HamptonClarke-Veritech

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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: 3/5/2010

Report Date: 3/26/2010

Deliverables: NYDOH-CatB

Lab ID: AC50199

Lab Project No: 0030558

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

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)	

HAMPTONCLARKE·VERITECH

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HC·V
HAMPTONCLARKE·VERITECH

SDG Narrative

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

Hampton-Clarke/Veritech (HC·V) received the following samples on March 5, 2010:

Client ID	HCV Sample ID	Matrix	Analysis
PI-01-TP-RAS1030410SO1	AC50199-001	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAS3030410SO1	AC50199-002	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAS4030410SO1	AC50199-003	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU1030510SO1	AC50199-004	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU2030510SO1	AC50199-005	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU3030510SO1	AC50199-006	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAS2030510SO1	AC50199-007	Soil	VO (8260B), BNA (8270C)

Volatile Organic Analysis:

The recovery of Bromofluorobenzene surrogate is biased low, outside QC limits in sample AC50199-003. The sample was reanalyzed confirming low recovery due to matrix interference.

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
Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

3/26/10
Date

Reporting Limit Definitions

HC-V
HAMPTONCLARKE·VERITECH

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#: AC50199-001 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS1030410SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**74**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**2**	**mg/kg**	**NA**	**350J**
1,2,4-Trichlorobenzene	2	mg/kg	0.18	ND
1,2-Diphenylhydrazine	2	mg/kg	0.18	ND
2,4,5-Trichlorophenol	2	mg/kg	0.18	ND
2,4,6-Trichlorophenol	2	mg/kg	0.18	ND
2,4-Dichlorophenol	2	mg/kg	0.18	ND
2,4-Dimethylphenol	2	mg/kg	0.18	ND
2,4-Dinitrophenol	2	mg/kg	0.90	ND
2,4-Dinitrotoluene	2	mg/kg	0.18	ND
2,6-Dinitrotoluene	2	mg/kg	0.18	ND
2-Chloronaphthalene	2	mg/kg	0.18	ND
2-Chlorophenol	2	mg/kg	0.18	ND
2-Methylnaphthalene	**2**	**mg/kg**	**0.18**	**0.67**
2-Methylphenol	2	mg/kg	0.18	ND
2-Nitroaniline	2	mg/kg	0.18	ND
2-Nitrophenol	2	mg/kg	0.18	ND
3&4-Methylphenol	2	mg/kg	0.18	ND
3,3'-Dichlorobenzidine	2	mg/kg	0.18	ND
3-Nitroaniline	2	mg/kg	0.18	ND
4,6-Dinitro-2-methylphenol	2	mg/kg	0.90	ND
4-Bromophenyl-phenylether	2	mg/kg	0.18	ND
4-Chloro-3-methylphenol	2	mg/kg	0.18	ND
4-Chloroaniline	2	mg/kg	0.18	ND
4-Chlorophenyl-phenylether	2	mg/kg	0.18	ND
4-Nitroaniline	2	mg/kg	0.18	ND
4-Nitrophenol	2	mg/kg	0.18	ND
Acenaphthene	**2**	**mg/kg**	**0.18**	**0.35**
Acenaphthylene	2	mg/kg	0.18	ND
Aniline	2	mg/kg	0.18	ND
Anthracene	**2**	**mg/kg**	**0.18**	**0.56**
Benzidine	2	mg/kg	0.90	ND
Benzo[a]anthracene	**2**	**mg/kg**	**0.18**	**0.63**
Benzo[a]pyrene	**2**	**mg/kg**	**0.18**	**0.50**
Benzo[b]fluoranthene	**2**	**mg/kg**	**0.18**	**0.30**
Benzo[g,h,i]perylene	**2**	**mg/kg**	**0.18**	**0.36**
Benzo[k]fluoranthene	2	mg/kg	0.18	ND
Benzoic acid	2	mg/kg	0.90	ND
bis(2-Chloroethoxy)methane	2	mg/kg	0.18	ND
bis(2-Chloroethyl)ether	2	mg/kg	0.18	ND
bis(2-Chloroisopropyl)ether	2	mg/kg	0.18	ND
bis(2-Ethylhexyl)phthalate	2	mg/kg	0.18	ND
Butylbenzylphthalate	2	mg/kg	0.18	ND
Carbazole	2	mg/kg	0.18	ND
Chrysene	**2**	**mg/kg**	**0.18**	**0.97**
Dibenzo[a,h]anthracene	2	mg/kg	0.18	ND
Dibenzofuran	2	mg/kg	0.18	ND
Diethylphthalate	2	mg/kg	0.18	ND
Dimethylphthalate	2	mg/kg	0.18	ND
Di-n-butylphthalate	2	mg/kg	0.18	ND
Di-n-octylphthalate	2	mg/kg	0.18	ND
Fluoranthene	**2**	**mg/kg**	**0.18**	**0.50**
Fluorene	**2**	**mg/kg**	**0.18**	**0.36**
Hexachlorobenzene	2	mg/kg	0.18	ND
Hexachlorobutadiene	2	mg/kg	0.18	ND
Hexachlorocyclopentadiene	2	mg/kg	0.90	ND
Hexachloroethane	2	mg/kg	0.18	ND
Indeno[1,2,3-cd]pyrene	**2**	**mg/kg**	**0.18**	**0.21**
Isophorone	2	mg/kg	0.18	ND
Naphthalene	2	mg/kg	0.18	ND
Nitrobenzene	2	mg/kg	0.18	ND
N-Nitrosodimethylamine	2	mg/kg	0.18	ND
N-Nitroso-di-n-propylamine	2	mg/kg	0.18	ND
N-Nitrosodiphenylamine	2	mg/kg	0.18	ND
Pentachlorophenol	2	mg/kg	0.90	ND
Phenanthrene	**2**	**mg/kg**	**0.18**	**1.4**
Phenol	2	mg/kg	0.18	ND
Pyrene	**2**	**mg/kg**	**0.18**	**1.9**

Lab#: AC50199-001 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS1030410SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**0.982**	**mg/kg**	**NA**	**1.6J**
1,1,1-Trichloroethane	0.982	mg/kg	0.0066	ND
1,1,2,2-Tetrachloroethane	0.982	mg/kg	0.0066	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.982	mg/kg	0.0066	ND
1,1,2-Trichloroethane	0.982	mg/kg	0.0066	ND
1,1-Dichloroethane	0.982	mg/kg	0.0066	ND
1,1-Dichloroethene	0.982	mg/kg	0.0066	ND
1,2,3-Trichloropropane	0.982	mg/kg	0.0066	ND
1,2,4-Trimethylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.064**
1,2-Dichlorobenzene	0.982	mg/kg	0.0066	ND
1,2-Dichloroethane	0.982	mg/kg	0.0066	ND
1,2-Dichloropropane	0.982	mg/kg	0.0066	ND
1,3,5-Trimethylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.023**
1,3-Dichlorobenzene	0.982	mg/kg	0.0066	ND
1,3-Dichloropropane	0.982	mg/kg	0.0066	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0066	ND
1,4-Dioxane	0.982	mg/kg	0.33	ND
2-Butanone	0.982	mg/kg	0.0066	ND
2-Chloroethylvinylether	0.982	mg/kg	0.0066	ND
2-Hexanone	0.982	mg/kg	0.0066	ND
4-Isopropyltoluene	**0.982**	**mg/kg**	**0.0013**	**0.0084**
4-Methyl-2-pentanone	0.982	mg/kg	0.0066	ND
Acetone	0.982	mg/kg	0.033	ND
Acrolein	0.982	mg/kg	0.033	ND
Acrylonitrile	0.982	mg/kg	0.0066	ND
Benzene	0.982	mg/kg	0.0013	ND
Bromodichloromethane	0.982	mg/kg	0.0066	ND
Bromoform	0.982	mg/kg	0.0066	ND
Bromomethane	0.982	mg/kg	0.0066	ND
Carbon disulfide	0.982	mg/kg	0.0066	ND
Carbon tetrachloride	0.982	mg/kg	0.0066	ND
Chlorobenzene	0.982	mg/kg	0.0066	ND
Chloroethane	0.982	mg/kg	0.0066	ND
Chloroform	0.982	mg/kg	0.0066	ND
Chloromethane	0.982	mg/kg	0.0066	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0066	ND
cis-1,3-Dichloropropene	0.982	mg/kg	0.0066	ND
Dibromochloromethane	0.982	mg/kg	0.0066	ND
Dichlorodifluoromethane	0.982	mg/kg	0.0066	ND
Ethylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.0098**
Isopropylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.0081**
m&p-Xylenes	**0.982**	**mg/kg**	**0.0013**	**0.052**
Methylene chloride	0.982	mg/kg	0.0066	ND
Methyl-t-butyl ether	0.982	mg/kg	0.0013	ND
n-Butylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.0065**
n-Propylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.0094**
o-Xylene	**0.982**	**mg/kg**	**0.0013**	**0.026**
sec-Butylbenzene	**0.982**	**mg/kg**	**0.0013**	**0.0097**
Styrene	0.982	mg/kg	0.0066	ND
t-Butyl Alcohol	0.982	mg/kg	0.033	ND
t-Butylbenzene	0.982	mg/kg	0.0013	ND
Tetrachloroethene	0.982	mg/kg	0.0066	ND
Toluene	**0.982**	**mg/kg**	**0.0013**	**0.0079**
trans-1,2-Dichloroethene	0.982	mg/kg	0.0066	ND
trans-1,3-Dichloropropene	0.982	mg/kg	0.0066	ND
Trichloroethene	0.982	mg/kg	0.0066	ND
Trichlorofluoromethane	0.982	mg/kg	0.0066	ND
Vinyl chloride	0.982	mg/kg	0.0066	ND
Xylenes (Total)	**0.982**	**mg/kg**	**0.0013**	**0.078**

Lab#: AC50199-002 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS3030410SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**56**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**1**	**mg/kg**	**NA**	**380J**
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	0.60	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**	**0.62**
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	0.60	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	ND
Acenaphthylene	1	mg/kg	0.12	ND
Aniline	1	mg/kg	0.12	ND
Anthracene	1	mg/kg	0.12	ND
Benzidine	1	mg/kg	0.60	ND
Benzo[a]anthracene	1	mg/kg	0.12	ND
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	0.60	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	ND
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**	**0.18**
Fluorene	1	mg/kg	0.12	ND
Hexachlorobenzene	1	mg/kg	0.12	ND
Hexachlorobutadiene	1	mg/kg	0.12	ND
Hexachlorocyclopentadiene	1	mg/kg	0.60	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**	**0.16**
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	0.60	ND
Phenanthrene	**1**	**mg/kg**	**0.12**	**0.32**
Phenol	1	mg/kg	0.12	ND
Pyrene	**1**	**mg/kg**	**0.12**	**0.14**

Lab#: AC50199-002 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS3030410SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**0.992**	**mg/kg**	**NA**	**0.78J**
1,1,1-Trichloroethane	0.992	mg/kg	0.0089	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0089	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0089	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0089	ND
1,1-Dichloroethane	0.992	mg/kg	0.0089	ND
1,1-Dichloroethene	0.992	mg/kg	0.0089	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0089	ND
1,2,4-Trimethylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.028**
1,2-Dichlorobenzene	0.992	mg/kg	0.0089	ND
1,2-Dichloroethane	0.992	mg/kg	0.0089	ND
1,2-Dichloropropane	0.992	mg/kg	0.0089	ND
1,3,5-Trimethylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.012**
1,3-Dichlorobenzene	0.992	mg/kg	0.0089	ND
1,3-Dichloropropane	0.992	mg/kg	0.0089	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0089	ND
1,4-Dioxane	0.992	mg/kg	0.44	ND
2-Butanone	**0.992**	**mg/kg**	**0.0089**	**0.035**
2-Chloroethylvinylether	0.992	mg/kg	0.0089	ND
2-Hexanone	0.992	mg/kg	0.0089	ND
4-Isopropyltoluene	**0.992**	**mg/kg**	**0.0018**	**0.010**
4-Methyl-2-pentanone	0.992	mg/kg	0.0089	ND
Acetone	**0.992**	**mg/kg**	**0.044**	**0.29**
Acrolein	0.992	mg/kg	0.044	ND
Acrylonitrile	0.992	mg/kg	0.0089	ND
Benzene	0.992	mg/kg	0.0018	ND
Bromodichloromethane	0.992	mg/kg	0.0089	ND
Bromoform	0.992	mg/kg	0.0089	ND
Bromomethane	0.992	mg/kg	0.0089	ND
Carbon disulfide	**0.992**	**mg/kg**	**0.0089**	**0.039**
Carbon tetrachloride	0.992	mg/kg	0.0089	ND
Chlorobenzene	0.992	mg/kg	0.0089	ND
Chloroethane	0.992	mg/kg	0.0089	ND
Chloroform	0.992	mg/kg	0.0089	ND
Chloromethane	0.992	mg/kg	0.0089	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0089	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0089	ND
Dibromochloromethane	0.992	mg/kg	0.0089	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0089	ND
Ethylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.0034**
Isopropylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.0055**
m&p-Xylenes	**0.992**	**mg/kg**	**0.0018**	**0.010**
Methylene chloride	0.992	mg/kg	0.0089	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0018	ND
n-Butylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.0050**
n-Propylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.0072**
o-Xylene	**0.992**	**mg/kg**	**0.0018**	**0.0084**
sec-Butylbenzene	**0.992**	**mg/kg**	**0.0018**	**0.0026**
Styrene	0.992	mg/kg	0.0089	ND
t-Butyl Alcohol	0.992	mg/kg	0.044	ND
t-Butylbenzene	0.992	mg/kg	0.0018	ND
Tetrachloroethene	0.992	mg/kg	0.0089	ND
Toluene	**0.992**	**mg/kg**	**0.0018**	**0.0032**
trans-1,2-Dichloroethene	0.992	mg/kg	0.0089	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0089	ND
Trichloroethene	0.992	mg/kg	0.0089	ND
Trichlorofluoromethane	0.992	mg/kg	0.0089	ND
Vinyl chloride	0.992	mg/kg	0.0089	ND
Xylenes (Total)	**0.992**	**mg/kg**	**0.0018**	**0.0184**

Lab#: AC50199-003 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS4030410SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**74**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**3**	**mg/kg**	**NA**	**340J**
1,2,4-Trichlorobenzene	3	mg/kg	0.27	ND
1,2-Diphenylhydrazine	3	mg/kg	0.27	ND
2,4,5-Trichlorophenol	3	mg/kg	0.27	ND
2,4,6-Trichlorophenol	3	mg/kg	0.27	ND
2,4-Dichlorophenol	3	mg/kg	0.27	ND
2,4-Dimethylphenol	3	mg/kg	0.27	ND
2,4-Dinitrophenol	3	mg/kg	1.4	ND
2,4-Dinitrotoluene	3	mg/kg	0.27	ND
2,6-Dinitrotoluene	3	mg/kg	0.27	ND
2-Chloronaphthalene	3	mg/kg	0.27	ND
2-Chlorophenol	3	mg/kg	0.27	ND
2-Methylnaphthalene	**3**	**mg/kg**	**0.27**	**0.37**
2-Methylphenol	3	mg/kg	0.27	ND
2-Nitroaniline	3	mg/kg	0.27	ND
2-Nitrophenol	3	mg/kg	0.27	ND
3&4-Methylphenol	3	mg/kg	0.27	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.27	ND
3-Nitroaniline	3	mg/kg	0.27	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	1.4	ND
4-Bromophenyl-phenylether	3	mg/kg	0.27	ND
4-Chloro-3-methylphenol	3	mg/kg	0.27	ND
4-Chloroaniline	3	mg/kg	0.27	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.27	ND
4-Nitroaniline	3	mg/kg	0.27	ND
4-Nitrophenol	3	mg/kg	0.27	ND
Acenaphthene	**3**	**mg/kg**	**0.27**	**0.47**
Acenaphthylene	3	mg/kg	0.27	ND
Aniline	3	mg/kg	0.27	ND
Anthracene	3	mg/kg	0.27	ND
Benzidine	3	mg/kg	1.4	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.27**	**1.4**
Benzo[a]pyrene	**3**	**mg/kg**	**0.27**	**0.87**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.27**	**0.60**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.27**	**0.46**
Benzo[k]fluoranthene	3	mg/kg	0.27	ND
Benzoic acid	3	mg/kg	1.4	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.27	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.27	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.27	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.27	ND
Butylbenzylphthalate	3	mg/kg	0.27	ND
Carbazole	3	mg/kg	0.27	ND
Chrysene	**3**	**mg/kg**	**0.27**	**2.0**
Dibenzo[a,h]anthracene	3	mg/kg	0.27	ND
Dibenzofuran	3	mg/kg	0.27	ND
Diethylphthalate	3	mg/kg	0.27	ND
Dimethylphthalate	3	mg/kg	0.27	ND
Di-n-butylphthalate	3	mg/kg	0.27	ND
Di-n-octylphthalate	3	mg/kg	0.27	ND
Fluoranthene	**3**	**mg/kg**	**0.27**	**0.88**
Fluorene	3	mg/kg	0.27	ND
Hexachlorobenzene	3	mg/kg	0.27	ND
Hexachlorobutadiene	3	mg/kg	0.27	ND
Hexachlorocyclopentadiene	3	mg/kg	1.4	ND
Hexachloroethane	3	mg/kg	0.27	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.27	ND
Isophorone	3	mg/kg	0.27	ND
Naphthalene	**3**	**mg/kg**	**0.27**	**0.60**
Nitrobenzene	3	mg/kg	0.27	ND
N-Nitrosodimethylamine	3	mg/kg	0.27	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.27	ND
N-Nitrosodiphenylamine	3	mg/kg	0.27	ND
Pentachlorophenol	3	mg/kg	1.4	ND
Phenanthrene	**3**	**mg/kg**	**0.27**	**0.56**
Phenol	3	mg/kg	0.27	ND
Pyrene	**3**	**mg/kg**	**0.27**	**2.5**

Lab#: AC50199-003 Collection Date: 3/4/2010
Sample ID: PI-01-TP-RAS4030410SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**1**	**mg/kg**	**NA**	**6.6J**
1,1,1-Trichloroethane	1	mg/kg	0.0068	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0068	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0068	ND
1,1,2-Trichloroethane	1	mg/kg	0.0068	ND
1,1-Dichloroethane	1	mg/kg	0.0068	ND
1,1-Dichloroethene	1	mg/kg	0.0068	ND
1,2,3-Trichloropropane	1	mg/kg	0.0068	ND
1,2,4-Trimethylbenzene	1	mg/kg	0.0014	ND
1,2-Dichlorobenzene	1	mg/kg	0.0068	ND
1,2-Dichloroethane	1	mg/kg	0.0068	ND
1,2-Dichloropropane	1	mg/kg	0.0068	ND
1,3,5-Trimethylbenzene	1	mg/kg	0.0014	ND
1,3-Dichlorobenzene	1	mg/kg	0.0068	ND
1,3-Dichloropropane	1	mg/kg	0.0068	ND
1,4-Dichlorobenzene	1	mg/kg	0.0068	ND
1,4-Dioxane	1	mg/kg	0.34	ND
2-Butanone	1	mg/kg	0.0068	ND
2-Chloroethylvinylether	1	mg/kg	0.0068	ND
2-Hexanone	1	mg/kg	0.0068	ND
4-Isopropyltoluene	1	mg/kg	0.0014	ND
4-Methyl-2-pentanone	1	mg/kg	0.0068	ND
Acetone	1	mg/kg	0.034	ND
Acrolein	1	mg/kg	0.034	ND
Acrylonitrile	1	mg/kg	0.0068	ND
Benzene	1	mg/kg	0.0014	ND
Bromodichloromethane	1	mg/kg	0.0068	ND
Bromoform	1	mg/kg	0.0068	ND
Bromomethane	1	mg/kg	0.0068	ND
Carbon disulfide	**1**	**mg/kg**	**0.0068**	**0.017**
Carbon tetrachloride	1	mg/kg	0.0068	ND
Chlorobenzene	1	mg/kg	0.0068	ND
Chloroethane	1	mg/kg	0.0068	ND
Chloroform	1	mg/kg	0.0068	ND
Chloromethane	1	mg/kg	0.0068	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0068	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0068	ND
Dibromochloromethane	1	mg/kg	0.0068	ND
Dichlorodifluoromethane	1	mg/kg	0.0068	ND
Ethylbenzene	1	mg/kg	0.0014	ND
Isopropylbenzene	1	mg/kg	0.0014	ND
m&p-Xylenes	1	mg/kg	0.0014	ND
Methylene chloride	1	mg/kg	0.0068	ND
Methyl-t-butyl ether	1	mg/kg	0.0014	ND
n-Butylbenzene	1	mg/kg	0.0014	ND
n-Propylbenzene	1	mg/kg	0.0014	ND
o-Xylene	1	mg/kg	0.0014	ND
sec-Butylbenzene	**1**	**mg/kg**	**0.0014**	**0.0096**
Styrene	1	mg/kg	0.0068	ND
t-Butyl Alcohol	1	mg/kg	0.034	ND
t-Butylbenzene	1	mg/kg	0.0014	ND
Tetrachloroethene	1	mg/kg	0.0068	ND
Toluene	1	mg/kg	0.0014	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0068	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0068	ND
Trichloroethene	1	mg/kg	0.0068	ND
Trichlorofluoromethane	1	mg/kg	0.0068	ND
Vinyl chloride	1	mg/kg	0.0068	ND
Xylenes (Total)	1	mg/kg	0.0014	ND

Lab#: AC50199-004 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU1030510SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**63**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**3**	**mg/kg**	**NA**	**310J**
1,2,4-Trichlorobenzene	3	mg/kg	0.32	ND
1,2-Diphenylhydrazine	3	mg/kg	0.32	ND
2,4,5-Trichlorophenol	3	mg/kg	0.32	ND
2,4,6-Trichlorophenol	3	mg/kg	0.32	ND
2,4-Dichlorophenol	3	mg/kg	0.32	ND
2,4-Dimethylphenol	3	mg/kg	0.32	ND
2,4-Dinitrophenol	3	mg/kg	1.6	ND
2,4-Dinitrotoluene	3	mg/kg	0.32	ND
2,6-Dinitrotoluene	3	mg/kg	0.32	ND
2-Chloronaphthalene	3	mg/kg	0.32	ND
2-Chlorophenol	3	mg/kg	0.32	ND
2-Methylnaphthalene	**3**	**mg/kg**	**0.32**	**0.48**
2-Methylphenol	3	mg/kg	0.32	ND
2-Nitroaniline	3	mg/kg	0.32	ND
2-Nitrophenol	3	mg/kg	0.32	ND
3&4-Methylphenol	3	mg/kg	0.32	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.32	ND
3-Nitroaniline	3	mg/kg	0.32	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	1.6	ND
4-Bromophenyl-phenylether	3	mg/kg	0.32	ND
4-Chloro-3-methylphenol	3	mg/kg	0.32	ND
4-Chloroaniline	3	mg/kg	0.32	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.32	ND
4-Nitroaniline	3	mg/kg	0.32	ND
4-Nitrophenol	3	mg/kg	0.32	ND
Acenaphthene	**3**	**mg/kg**	**0.32**	**0.33**
Acenaphthylene	3	mg/kg	0.32	ND
Aniline	3	mg/kg	0.32	ND
Anthracene	3	mg/kg	0.32	ND
Benzidine	3	mg/kg	1.6	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.32**	**1.1**
Benzo[a]pyrene	**3**	**mg/kg**	**0.32**	**0.70**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.32**	**0.40**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.32**	**0.60**
Benzo[k]fluoranthene	3	mg/kg	0.32	ND
Benzoic acid	3	mg/kg	1.6	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.32	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.32	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.32	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.32	ND
Butylbenzylphthalate	3	mg/kg	0.32	ND
Carbazole	3	mg/kg	0.32	ND
Chrysene	**3**	**mg/kg**	**0.32**	**1.6**
Dibenzo[a,h]anthracene	3	mg/kg	0.32	ND
Dibenzofuran	3	mg/kg	0.32	ND
Diethylphthalate	3	mg/kg	0.32	ND
Dimethylphthalate	3	mg/kg	0.32	ND
Di-n-butylphthalate	3	mg/kg	0.32	ND
Di-n-octylphthalate	3	mg/kg	0.32	ND
Fluoranthene	**3**	**mg/kg**	**0.32**	**1.3**
Fluorene	3	mg/kg	0.32	ND
Hexachlorobenzene	3	mg/kg	0.32	ND
Hexachlorobutadiene	3	mg/kg	0.32	ND
Hexachlorocyclopentadiene	3	mg/kg	1.6	ND
Hexachloroethane	3	mg/kg	0.32	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.32	ND
Isophorone	3	mg/kg	0.32	ND
Naphthalene	**3**	**mg/kg**	**0.32**	**0.32**
Nitrobenzene	3	mg/kg	0.32	ND
N-Nitrosodimethylamine	3	mg/kg	0.32	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.32	ND
N-Nitrosodiphenylamine	3	mg/kg	0.32	ND
Pentachlorophenol	3	mg/kg	1.6	ND
Phenanthrene	**3**	**mg/kg**	**0.32**	**1.9**
Phenol	3	mg/kg	0.32	ND
Pyrene	**3**	**mg/kg**	**0.32**	**6.1**

Lab#: AC50199-004 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU1030510SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**0.956**	**mg/kg**	**NA**	**0.71J**
1,1,1-Trichloroethane	0.956	mg/kg	0.0076	ND
1,1,2,2-Tetrachloroethane	0.956	mg/kg	0.0076	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.956	mg/kg	0.0076	ND
1,1,2-Trichloroethane	0.956	mg/kg	0.0076	ND
1,1-Dichloroethane	0.956	mg/kg	0.0076	ND
1,1-Dichloroethene	0.956	mg/kg	0.0076	ND
1,2,3-Trichloropropane	0.956	mg/kg	0.0076	ND
1,2,4-Trimethylbenzene	0.956	mg/kg	0.0015	ND
1,2-Dichlorobenzene	0.956	mg/kg	0.0076	ND
1,2-Dichloroethane	0.956	mg/kg	0.0076	ND
1,2-Dichloropropane	0.956	mg/kg	0.0076	ND
1,3,5-Trimethylbenzene	0.956	mg/kg	0.0015	ND
1,3-Dichlorobenzene	0.956	mg/kg	0.0076	ND
1,3-Dichloropropane	0.956	mg/kg	0.0076	ND
1,4-Dichlorobenzene	0.956	mg/kg	0.0076	ND
1,4-Dioxane	0.956	mg/kg	0.38	ND
2-Butanone	0.956	mg/kg	0.0076	ND
2-Chloroethylvinylether	0.956	mg/kg	0.0076	ND
2-Hexanone	0.956	mg/kg	0.0076	ND
4-Isopropyltoluene	0.956	mg/kg	0.0015	ND
4-Methyl-2-pentanone	0.956	mg/kg	0.0076	ND
Acetone	0.956	mg/kg	0.038	ND
Acrolein	0.956	mg/kg	0.038	ND
Acrylonitrile	0.956	mg/kg	0.0076	ND
Benzene	0.956	mg/kg	0.0015	ND
Bromodichloromethane	0.956	mg/kg	0.0076	ND
Bromoform	0.956	mg/kg	0.0076	ND
Bromomethane	0.956	mg/kg	0.0076	ND
Carbon disulfide	**0.956**	**mg/kg**	**0.0076**	**0.011**
Carbon tetrachloride	0.956	mg/kg	0.0076	ND
Chlorobenzene	0.956	mg/kg	0.0076	ND
Chloroethane	0.956	mg/kg	0.0076	ND
Chloroform	0.956	mg/kg	0.0076	ND
Chloromethane	0.956	mg/kg	0.0076	ND
cis-1,2-Dichloroethene	0.956	mg/kg	0.0076	ND
cis-1,3-Dichloropropene	0.956	mg/kg	0.0076	ND
Dibromochloromethane	0.956	mg/kg	0.0076	ND
Dichlorodifluoromethane	0.956	mg/kg	0.0076	ND
Ethylbenzene	0.956	mg/kg	0.0015	ND
Isopropylbenzene	0.956	mg/kg	0.0015	ND
m&p-Xylenes	0.956	mg/kg	0.0015	ND
Methylene chloride	0.956	mg/kg	0.0076	ND
Methyl-t-butyl ether	0.956	mg/kg	0.0015	ND
n-Butylbenzene	0.956	mg/kg	0.0015	ND
n-Propylbenzene	0.956	mg/kg	0.0015	ND
o-Xylene	0.956	mg/kg	0.0015	ND
sec-Butylbenzene	**0.956**	**mg/kg**	**0.0015**	**0.0023**
Styrene	0.956	mg/kg	0.0076	ND
t-Butyl Alcohol	0.956	mg/kg	0.038	ND
t-Butylbenzene	0.956	mg/kg	0.0015	ND
Tetrachloroethene	0.956	mg/kg	0.0076	ND
Toluene	0.956	mg/kg	0.0015	ND
trans-1,2-Dichloroethene	0.956	mg/kg	0.0076	ND
trans-1,3-Dichloropropene	0.956	mg/kg	0.0076	ND
Trichloroethene	0.956	mg/kg	0.0076	ND
Trichlorofluoromethane	0.956	mg/kg	0.0076	ND
Vinyl chloride	0.956	mg/kg	0.0076	ND
Xylenes (Total)	0.956	mg/kg	0.0015	ND

Lab#: AC50199-005 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU2030510SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent		72
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	1	mg/kg	NA	170J
1,2,4-Trichlorobenzene	1	mg/kg	0.093	ND
1,2-Diphenylhydrazine	1	mg/kg	0.093	ND
2,4,5-Trichlorophenol	1	mg/kg	0.093	ND
2,4,6-Trichlorophenol	1	mg/kg	0.093	ND
2,4-Dichlorophenol	1	mg/kg	0.093	ND
2,4-Dimethylphenol	1	mg/kg	0.093	ND
2,4-Dinitrophenol	1	mg/kg	0.46	ND
2,4-Dinitrotoluene	1	mg/kg	0.093	ND
2,6-Dinitrotoluene	1	mg/kg	0.093	ND
2-Chloronaphthalene	1	mg/kg	0.093	ND
2-Chlorophenol	1	mg/kg	0.093	ND
2-Methylnaphthalene	1	mg/kg	0.093	ND
2-Methylphenol	1	mg/kg	0.093	ND
2-Nitroaniline	1	mg/kg	0.093	ND
2-Nitrophenol	1	mg/kg	0.093	ND
3&4-Methylphenol	1	mg/kg	0.093	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.093	ND
3-Nitroaniline	1	mg/kg	0.093	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.46	ND
4-Bromophenyl-phenylether	1	mg/kg	0.093	ND
4-Chloro-3-methylphenol	1	mg/kg	0.093	ND
4-Chloroaniline	1	mg/kg	0.093	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.093	ND
4-Nitroaniline	1	mg/kg	0.093	ND
4-Nitrophenol	1	mg/kg	0.093	ND
Acenaphthene	1	mg/kg	0.093	ND
Acenaphthylene	1	mg/kg	0.093	ND
Aniline	1	mg/kg	0.093	ND
Anthracene	1	mg/kg	0.093	ND
Benzidine	1	mg/kg	0.46	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.093**	**0.18**
Benzo[a]pyrene	**1**	**mg/kg**	**0.093**	**0.14**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.093**	**0.21**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.093**	**0.10**
Benzo[k]fluoranthene	1	mg/kg	0.093	ND
Benzoic acid	1	mg/kg	0.46	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.093	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.093	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.093	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.093	ND
Butylbenzylphthalate	1	mg/kg	0.093	ND
Carbazole	1	mg/kg	0.093	ND
Chrysene	**1**	**mg/kg**	**0.093**	**0.20**
Dibenzo[a,h]anthracene	1	mg/kg	0.093	ND
Dibenzofuran	1	mg/kg	0.093	ND
Diethylphthalate	1	mg/kg	0.093	ND
Dimethylphthalate	1	mg/kg	0.093	ND
Di-n-butylphthalate	1	mg/kg	0.093	ND
Di-n-octylphthalate	1	mg/kg	0.093	ND
Fluoranthene	**1**	**mg/kg**	**0.093**	**0.34**
Fluorene	1	mg/kg	0.093	ND
Hexachlorobenzene	1	mg/kg	0.093	ND
Hexachlorobutadiene	1	mg/kg	0.093	ND
Hexachlorocyclopentadiene	1	mg/kg	0.46	ND
Hexachloroethane	1	mg/kg	0.093	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.093	ND
Isophorone	1	mg/kg	0.093	ND
Naphthalene	1	mg/kg	0.093	ND
Nitrobenzene	1	mg/kg	0.093	ND
N-Nitrosodimethylamine	1	mg/kg	0.093	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.093	ND
N-Nitrosodiphenylamine	1	mg/kg	0.093	ND
Pentachlorophenol	1	mg/kg	0.46	ND
Phenanthrene	**1**	**mg/kg**	**0.093**	**0.27**
Phenol	1	mg/kg	0.093	ND
Pyrene	**1**	**mg/kg**	**0.093**	**0.32**

Lab#: AC50199-005 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU2030510SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	0.98	mg/kg	NA	ND
1,1,1-Trichloroethane	0.98	mg/kg	0.0068	ND
1,1,2,2-Tetrachloroethane	0.98	mg/kg	0.0068	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	mg/kg	0.0068	ND
1,1,2-Trichloroethane	0.98	mg/kg	0.0068	ND
1,1-Dichloroethane	0.98	mg/kg	0.0068	ND
1,1-Dichloroethene	0.98	mg/kg	0.0068	ND
1,2,3-Trichloropropane	0.98	mg/kg	0.0068	ND
1,2,4-Trimethylbenzene	0.98	mg/kg	0.0014	ND
1,2-Dichlorobenzene	0.98	mg/kg	0.0068	ND
1,2-Dichloroethane	0.98	mg/kg	0.0068	ND
1,2-Dichloropropane	0.98	mg/kg	0.0068	ND
1,3,5-Trimethylbenzene	0.98	mg/kg	0.0014	ND
1,3-Dichlorobenzene	0.98	mg/kg	0.0068	ND
1,3-Dichloropropane	0.98	mg/kg	0.0068	ND
1,4-Dichlorobenzene	0.98	mg/kg	0.0068	ND
1,4-Dioxane	0.98	mg/kg	0.34	ND
2-Butanone	0.98	mg/kg	0.0068	ND
2-Chloroethylvinylether	0.98	mg/kg	0.0068	ND
2-Hexanone	0.98	mg/kg	0.0068	ND
4-Isopropyltoluene	0.98	mg/kg	0.0014	ND
4-Methyl-2-pentanone	0.98	mg/kg	0.0068	ND
Acetone	0.98	mg/kg	0.034	ND
Acrolein	0.98	mg/kg	0.034	ND
Acrylonitrile	0.98	mg/kg	0.0068	ND
Benzene	0.98	mg/kg	0.0014	ND
Bromodichloromethane	0.98	mg/kg	0.0068	ND
Bromoform	0.98	mg/kg	0.0068	ND
Bromomethane	0.98	mg/kg	0.0068	ND
Carbon disulfide	0.98	mg/kg	0.0068	ND
Carbon tetrachloride	0.98	mg/kg	0.0068	ND
Chlorobenzene	0.98	mg/kg	0.0068	ND
Chloroethane	0.98	mg/kg	0.0068	ND
Chloroform	0.98	mg/kg	0.0068	ND
Chloromethane	0.98	mg/kg	0.0068	ND
cis-1,2-Dichloroethene	0.98	mg/kg	0.0068	ND
cis-1,3-Dichloropropene	0.98	mg/kg	0.0068	ND
Dibromochloromethane	0.98	mg/kg	0.0068	ND
Dichlorodifluoromethane	0.98	mg/kg	0.0068	ND
Ethylbenzene	0.98	mg/kg	0.0014	ND
Isopropylbenzene	0.98	mg/kg	0.0014	ND
m&p-Xylenes	0.98	mg/kg	0.0014	ND
Methylene chloride	0.98	mg/kg	0.0068	ND
Methyl-t-butyl ether	0.98	mg/kg	0.0014	ND
n-Butylbenzene	0.98	mg/kg	0.0014	ND
n-Propylbenzene	0.98	mg/kg	0.0014	ND
o-Xylene	0.98	mg/kg	0.0014	ND
sec-Butylbenzene	0.98	mg/kg	0.0014	ND
Styrene	0.98	mg/kg	0.0068	ND
t-Butyl Alcohol	0.98	mg/kg	0.034	ND
t-Butylbenzene	0.98	mg/kg	0.0014	ND
Tetrachloroethene	0.98	mg/kg	0.0068	ND
Toluene	0.98	mg/kg	0.0014	ND
trans-1,2-Dichloroethene	0.98	mg/kg	0.0068	ND
trans-1,3-Dichloropropene	0.98	mg/kg	0.0068	ND
Trichloroethene	0.98	mg/kg	0.0068	ND
Trichlorofluoromethane	0.98	mg/kg	0.0068	ND
Vinyl chloride	0.98	mg/kg	0.0068	ND
Xylenes (Total)	0.98	mg/kg	0.0014	ND

Lab#: AC50199-006 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU3030510SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**69**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**1**	**mg/kg**	**NA**	**310J**
1,2,4-Trichlorobenzene	1	mg/kg	0.097	ND
1,2-Diphenylhydrazine	1	mg/kg	0.097	ND
2,4,5-Trichlorophenol	1	mg/kg	0.097	ND
2,4,6-Trichlorophenol	1	mg/kg	0.097	ND
2,4-Dichlorophenol	1	mg/kg	0.097	ND
2,4-Dimethylphenol	1	mg/kg	0.097	ND
2,4-Dinitrophenol	1	mg/kg	0.48	ND
2,4-Dinitrotoluene	1	mg/kg	0.097	ND
2,6-Dinitrotoluene	1	mg/kg	0.097	ND
2-Chloronaphthalene	1	mg/kg	0.097	ND
2-Chlorophenol	1	mg/kg	0.097	ND
2-Methylnaphthalene	**1**	**mg/kg**	**0.097**	**0.27**
2-Methylphenol	1	mg/kg	0.097	ND
2-Nitroaniline	1	mg/kg	0.097	ND
2-Nitrophenol	1	mg/kg	0.097	ND
3&4-Methylphenol	1	mg/kg	0.097	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.097	ND
3-Nitroaniline	1	mg/kg	0.097	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.48	ND
4-Bromophenyl-phenylether	1	mg/kg	0.097	ND
4-Chloro-3-methylphenol	1	mg/kg	0.097	ND
4-Chloroaniline	1	mg/kg	0.097	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.097	ND
4-Nitroaniline	1	mg/kg	0.097	ND
4-Nitrophenol	1	mg/kg	0.097	ND
Acenaphthene	1	mg/kg	0.097	ND
Acenaphthylene	1	mg/kg	0.097	ND
Aniline	1	mg/kg	0.097	ND
Anthracene	1	mg/kg	0.097	ND
Benzidine	1	mg/kg	0.48	ND
Benzo[a]anthracene	1	mg/kg	0.097	ND
Benzo[a]pyrene	1	mg/kg	0.097	ND
Benzo[b]fluoranthene	1	mg/kg	0.097	ND
Benzo[g,h,i]perylene	1	mg/kg	0.097	ND
Benzo[k]fluoranthene	1	mg/kg	0.097	ND
Benzoic acid	1	mg/kg	0.48	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.097	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.097	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.097	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.097	ND
Butylbenzylphthalate	1	mg/kg	0.097	ND
Carbazole	1	mg/kg	0.097	ND
Chrysene	**1**	**mg/kg**	**0.097**	**0.14**
Dibenzo[a,h]anthracene	1	mg/kg	0.097	ND
Dibenzofuran	1	mg/kg	0.097	ND
Diethylphthalate	1	mg/kg	0.097	ND
Dimethylphthalate	1	mg/kg	0.097	ND
Di-n-butylphthalate	1	mg/kg	0.097	ND
Di-n-octylphthalate	1	mg/kg	0.097	ND
Fluoranthene	1	mg/kg	0.097	ND
Fluorene	1	mg/kg	0.097	ND
Hexachlorobenzene	1	mg/kg	0.097	ND
Hexachlorobutadiene	1	mg/kg	0.097	ND
Hexachlorocyclopentadiene	1	mg/kg	0.48	ND
Hexachloroethane	1	mg/kg	0.097	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.097	ND
Isophorone	1	mg/kg	0.097	ND
Naphthalene	**1**	**mg/kg**	**0.097**	**0.20**
Nitrobenzene	1	mg/kg	0.097	ND
N-Nitrosodimethylamine	1	mg/kg	0.097	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.097	ND
N-Nitrosodiphenylamine	1	mg/kg	0.097	ND
Pentachlorophenol	1	mg/kg	0.48	ND
Phenanthrene	**1**	**mg/kg**	**0.097**	**0.20**
Phenol	1	mg/kg	0.097	ND
Pyrene	**1**	**mg/kg**	**0.097**	**0.15**

Lab#: AC50199-006 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAU3030510SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	0.992	mg/kg	NA	ND
1,1,1-Trichloroethane	0.992	mg/kg	0.0072	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0072	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0072	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0072	ND
1,1-Dichloroethane	0.992	mg/kg	0.0072	ND
1,1-Dichloroethene	0.992	mg/kg	0.0072	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0072	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0014	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0072	ND
1,2-Dichloroethane	0.992	mg/kg	0.0072	ND
1,2-Dichloropropane	0.992	mg/kg	0.0072	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0014	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0072	ND
1,3-Dichloropropane	0.992	mg/kg	0.0072	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0072	ND
1,4-Dioxane	0.992	mg/kg	0.36	ND
2-Butanone	0.992	mg/kg	0.0072	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0072	ND
2-Hexanone	0.992	mg/kg	0.0072	ND
4-Isopropyltoluene	0.992	mg/kg	0.0014	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0072	ND
Acetone	0.992	mg/kg	0.036	ND
Acrolein	0.992	mg/kg	0.036	ND
Acrylonitrile	0.992	mg/kg	0.0072	ND
Benzene	0.992	mg/kg	0.0014	ND
Bromodichloromethane	0.992	mg/kg	0.0072	ND
Bromoform	0.992	mg/kg	0.0072	ND
Bromomethane	0.992	mg/kg	0.0072	ND
Carbon disulfide	0.992	mg/kg	0.0072	ND
Carbon tetrachloride	0.992	mg/kg	0.0072	ND
Chlorobenzene	0.992	mg/kg	0.0072	ND
Chloroethane	0.992	mg/kg	0.0072	ND
Chloroform	0.992	mg/kg	0.0072	ND
Chloromethane	0.992	mg/kg	0.0072	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0072	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0072	ND
Dibromochloromethane	0.992	mg/kg	0.0072	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0072	ND
Ethylbenzene	0.992	mg/kg	0.0014	ND
Isopropylbenzene	0.992	mg/kg	0.0014	ND
m&p-Xylenes	0.992	mg/kg	0.0014	ND
Methylene chloride	0.992	mg/kg	0.0072	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0014	ND
n-Butylbenzene	0.992	mg/kg	0.0014	ND
n-Propylbenzene	0.992	mg/kg	0.0014	ND
o-Xylene	0.992	mg/kg	0.0014	ND
sec-Butylbenzene	0.992	mg/kg	0.0014	ND
Styrene	0.992	mg/kg	0.0072	ND
t-Butyl Alcohol	0.992	mg/kg	0.036	ND
t-Butylbenzene	0.992	mg/kg	0.0014	ND
Tetrachloroethene	0.992	mg/kg	0.0072	ND
Toluene	0.992	mg/kg	0.0014	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0072	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0072	ND
Trichloroethene	0.992	mg/kg	0.0072	ND
Trichlorofluoromethane	0.992	mg/kg	0.0072	ND
Vinyl chloride	0.992	mg/kg	0.0072	ND
Xylenes (Total)	0.992	mg/kg	0.0014	ND

Lab#: AC50199-007 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAS2030510SO1

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**77**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**2**	**mg/kg**	**NA**	**310J**
1,2,4-Trichlorobenzene	2	mg/kg	0.17	ND
1,2-Diphenylhydrazine	2	mg/kg	0.17	ND
2,4,5-Trichlorophenol	2	mg/kg	0.17	ND
2,4,6-Trichlorophenol	2	mg/kg	0.17	ND
2,4-Dichlorophenol	2	mg/kg	0.17	ND
2,4-Dimethylphenol	2	mg/kg	0.17	ND
2,4-Dinitrophenol	2	mg/kg	0.87	ND
2,4-Dinitrotoluene	2	mg/kg	0.17	ND
2,6-Dinitrotoluene	2	mg/kg	0.17	ND
2-Chloronaphthalene	2	mg/kg	0.17	ND
2-Chlorophenol	2	mg/kg	0.17	ND
2-Methylnaphthalene	**2**	**mg/kg**	**0.17**	**0.88**
2-Methylphenol	2	mg/kg	0.17	ND
2-Nitroaniline	2	mg/kg	0.17	ND
2-Nitrophenol	2	mg/kg	0.17	ND
3&4-Methylphenol	2	mg/kg	0.17	ND
3,3'-Dichlorobenzidine	2	mg/kg	0.17	ND
3-Nitroaniline	2	mg/kg	0.17	ND
4,6-Dinitro-2-methylphenol	2	mg/kg	0.87	ND
4-Bromophenyl-phenylether	2	mg/kg	0.17	ND
4-Chloro-3-methylphenol	2	mg/kg	0.17	ND
4-Chloroaniline	2	mg/kg	0.17	ND
4-Chlorophenyl-phenylether	2	mg/kg	0.17	ND
4-Nitroaniline	2	mg/kg	0.17	ND
4-Nitrophenol	2	mg/kg	0.17	ND
Acenaphthene	**2**	**mg/kg**	**0.17**	**0.21**
Acenaphthylene	2	mg/kg	0.17	ND
Aniline	2	mg/kg	0.17	ND
Anthracene	**2**	**mg/kg**	**0.17**	**0.28**
Benzidine	2	mg/kg	0.87	ND
Benzo[a]anthracene	**2**	**mg/kg**	**0.17**	**0.23**
Benzo[a]pyrene	**2**	**mg/kg**	**0.17**	**0.18**
Benzo[b]fluoranthene	2	mg/kg	0.17	ND
Benzo[g,h,i]perylene	2	mg/kg	0.17	ND
Benzo[k]fluoranthene	2	mg/kg	0.17	ND
Benzoic acid	2	mg/kg	0.87	ND
bis(2-Chloroethoxy)methane	2	mg/kg	0.17	ND
bis(2-Chloroethyl)ether	2	mg/kg	0.17	ND
bis(2-Chloroisopropyl)ether	2	mg/kg	0.17	ND
bis(2-Ethylhexyl)phthalate	2	mg/kg	0.17	ND
Butylbenzylphthalate	2	mg/kg	0.17	ND
Carbazole	2	mg/kg	0.17	ND
Chrysene	**2**	**mg/kg**	**0.17**	**0.33**
Dibenzo[a,h]anthracene	2	mg/kg	0.17	ND
Dibenzofuran	2	mg/kg	0.17	ND
Diethylphthalate	2	mg/kg	0.17	ND
Dimethylphthalate	2	mg/kg	0.17	ND
Di-n-butylphthalate	2	mg/kg	0.17	ND
Di-n-octylphthalate	2	mg/kg	0.17	ND
Fluoranthene	**2**	**mg/kg**	**0.17**	**0.20**
Fluorene	**2**	**mg/kg**	**0.17**	**0.32**
Hexachlorobenzene	2	mg/kg	0.17	ND
Hexachlorobutadiene	2	mg/kg	0.17	ND
Hexachlorocyclopentadiene	2	mg/kg	0.87	ND
Hexachloroethane	2	mg/kg	0.17	ND
Indeno[1,2,3-cd]pyrene	2	mg/kg	0.17	ND
Isophorone	2	mg/kg	0.17	ND
Naphthalene	2	mg/kg	0.17	ND
Nitrobenzene	2	mg/kg	0.17	ND
N-Nitrosodimethylamine	2	mg/kg	0.17	ND
N-Nitroso-di-n-propylamine	2	mg/kg	0.17	ND
N-Nitrosodiphenylamine	2	mg/kg	0.17	ND
Pentachlorophenol	2	mg/kg	0.87	ND
Phenanthrene	**2**	**mg/kg**	**0.17**	**1.1**
Phenol	2	mg/kg	0.17	ND
Pyrene	**2**	**mg/kg**	**0.17**	**0.95**

Lab#: AC50199-007 Collection Date: 3/5/2010
Sample ID: PI-01-TP-RAS2030510SO1

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**0.99**	**mg/kg**	**NA**	**3.1J**
1,1,1-Trichloroethane	0.99	mg/kg	0.0064	ND
1,1,2,2-Tetrachloroethane	0.99	mg/kg	0.0064	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.99	mg/kg	0.0064	ND
1,1,2-Trichloroethane	0.99	mg/kg	0.0064	ND
1,1-Dichloroethane	0.99	mg/kg	0.0064	ND
1,1-Dichloroethene	0.99	mg/kg	0.0064	ND
1,2,3-Trichloropropane	0.99	mg/kg	0.0064	ND
1,2,4-Trimethylbenzene	**0.99**	**mg/kg**	**0.0013**	**0.011**
1,2-Dichlorobenzene	0.99	mg/kg	0.0064	ND
1,2-Dichloroethane	0.99	mg/kg	0.0064	ND
1,2-Dichloropropane	0.99	mg/kg	0.0064	ND
1,3,5-Trimethylbenzene	0.99	mg/kg	0.0013	ND
1,3-Dichlorobenzene	0.99	mg/kg	0.0064	ND
1,3-Dichloropropane	0.99	mg/kg	0.0064	ND
1,4-Dichlorobenzene	0.99	mg/kg	0.0064	ND
1,4-Dioxane	0.99	mg/kg	0.32	ND
2-Butanone	0.99	mg/kg	0.0064	ND
2-Chloroethylvinylether	0.99	mg/kg	0.0064	ND
2-Hexanone	0.99	mg/kg	0.0064	ND
4-Isopropyltoluene	**0.99**	**mg/kg**	**0.0013**	**0.0026**
4-Methyl-2-pentanone	0.99	mg/kg	0.0064	ND
Acetone	0.99	mg/kg	0.032	ND
Acrolein	0.99	mg/kg	0.032	ND
Acrylonitrile	0.99	mg/kg	0.0064	ND
Benzene	0.99	mg/kg	0.0013	ND
Bromodichloromethane	0.99	mg/kg	0.0064	ND
Bromoform	0.99	mg/kg	0.0064	ND
Bromomethane	0.99	mg/kg	0.0064	ND
Carbon disulfide	0.99	mg/kg	0.0064	ND
Carbon tetrachloride	0.99	mg/kg	0.0064	ND
Chlorobenzene	0.99	mg/kg	0.0064	ND
Chloroethane	0.99	mg/kg	0.0064	ND
Chloroform	0.99	mg/kg	0.0064	ND
Chloromethane	0.99	mg/kg	0.0064	ND
cis-1,2-Dichloroethene	0.99	mg/kg	0.0064	ND
cis-1,3-Dichloropropene	0.99	mg/kg	0.0064	ND
Dibromochloromethane	0.99	mg/kg	0.0064	ND
Dichlorodifluoromethane	0.99	mg/kg	0.0064	ND
Ethylbenzene	0.99	mg/kg	0.0013	ND
Isopropylbenzene	**0.99**	**mg/kg**	**0.0013**	**0.0078**
m&p-Xylenes	0.99	mg/kg	0.0013	ND
Methylene chloride	0.99	mg/kg	0.0064	ND
Methyl-t-butyl ether	0.99	mg/kg	0.0013	ND
n-Butylbenzene	**0.99**	**mg/kg**	**0.0013**	**0.016**
n-Propylbenzene	**0.99**	**mg/kg**	**0.0013**	**0.011**
o-Xylene	**0.99**	**mg/kg**	**0.0013**	**0.0021**
sec-Butylbenzene	**0.99**	**mg/kg**	**0.0013**	**0.0069**
Styrene	0.99	mg/kg	0.0064	ND
t-Butyl Alcohol	0.99	mg/kg	0.032	ND
t-Butylbenzene	0.99	mg/kg	0.0013	ND
Tetrachloroethene	0.99	mg/kg	0.0064	ND
Toluene	0.99	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.99	mg/kg	0.0064	ND
trans-1,3-Dichloropropene	0.99	mg/kg	0.0064	ND
Trichloroethene	0.99	mg/kg	0.0064	ND
Trichlorofluoromethane	0.99	mg/kg	0.0064	ND
Vinyl chloride	0.99	mg/kg	0.0064	ND
Xylenes (Total)	**0.99**	**mg/kg**	**0.0013**	**0.0021**

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-001
Client Id: PI-01-TP-RAS1030410SO1
Data File: 1M54945.D
Analysis Date: 03/10/10 12:54
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0066	U	56-23-5	Carbon Tetrachloride	0.0066	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0066	U	108-90-7	Chlorobenzene	0.0066	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0066	U	75-00-3	Chloroethane	0.0066	U
79-00-5	1,1,2-Trichloroethane	0.0066	U	67-66-3	Chloroform	0.0066	U
75-34-3	1,1-Dichloroethane	0.0066	U	74-87-3	Chloromethane	0.0066	U
75-35-4	1,1-Dichloroethene	0.0066	U	156-59-2	cis-1,2-Dichloroethene	0.0066	U
96-18-4	1,2,3-Trichloropropane	0.0066	U	10061-01-5	cis-1,3-Dichloropropene	0.0066	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0013**	**0.064**	124-48-1	Dibromochloromethane	0.0066	U
95-50-1	1,2-Dichlorobenzene	0.0066	U	75-71-8	Dichlorodifluoromethane	0.0066	U
107-06-2	1,2-Dichloroethane	0.0066	U	**100-41-4**	**Ethylbenzene**	**0.0013**	**0.0098**
78-87-5	1,2-Dichloropropane	0.0066	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.0081**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0013**	**0.023**	**136777612**	**m&p-Xylenes**	**0.0013**	**0.052**
541-73-1	1,3-Dichlorobenzene	0.0066	U	75-09-2	Methylene Chloride	0.0066	U
142-28-9	1,3-Dichloropropane	0.0066	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
106-46-7	1,4-Dichlorobenzene	0.0066	U	**104-51-8**	**n-Butylbenzene**	**0.0013**	**0.0065**
123-91-1	1,4-Dioxane	0.33	U	**103-65-1**	**n-Propylbenzene**	**0.0013**	**0.0094**
78-93-3	2-Butanone	0.0066	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.026**
110-75-8	2-Chloroethylvinylether	0.0066	U	**135-98-8**	**sec-Butylbenzene**	**0.0013**	**0.0097**
591-78-6	2-Hexanone	0.0066	U	100-42-5	Styrene	0.0066	U
99-87-6	**4-Isopropyltoluene**	**0.0013**	**0.0084**	75-65-0	t-Butyl Alcohol	0.033	U
108-10-1	4-Methyl-2-Pentanone	0.0066	U	98-06-6	t-Butylbenzene	0.0013	U
67-64-1	Acetone	0.033	U	127-18-4	Tetrachloroethene	0.0066	U
107-02-8	Acrolein	0.033	U	**108-88-3**	**Toluene**	**0.0013**	**0.0079**
107-13-1	Acrylonitrile	0.0066	U	156-60-5	trans-1,2-Dichloroethene	0.0066	U
71-43-2	Benzene	0.0013	U	10061-02-6	trans-1,3-Dichloropropene	0.0066	U
75-27-4	Bromodichloromethane	0.0066	U	79-01-6	Trichloroethene	0.0066	U
75-25-2	Bromoform	0.0066	U	75-69-4	Trichlorofluoromethane	0.0066	U
74-83-9	Bromomethane	0.0066	U	75-01-4	Vinyl Chloride	0.0066	U
75-15-0	Carbon Disulfide	0.0066	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.078**

Worksheet #: 145101

Total Target Concentration 0.22

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: AC50199-001
Client Id: PI-01-TP-RAS1030410
Data File: 1M54945.D
Analysis Date: 03/10/10 12:54
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 74
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	0.15 J
2	124-18-5	Decane	7.35	0.29 J
3	2847-72-5	Decane, 4-methyl-	7.53	0.15 J
4	74630-13-0	3,7-Decadiene, 2,9-dimethyl-	7.77	0.26 J
5	620-14-4	Benzene, 1-ethyl-3-methyl-	7.89	0.099 J
6	527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.22	0.10 J
7	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.30	0.14 J
8	2958-76-1	Naphthalene, decahydro-2-methyl-	8.52	0.092 J
9	112-40-3	Dodecane	8.77	0.094 J
10	17301-23-4	Undecane, 2,6-dimethyl-	8.88	0.19 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 1.6

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: AC50199-002
Client Id: PI-01-TP-RAS3030410SO1
Data File: 1M54914.D
Analysis Date: 03/09/10 18:30
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0089	U	56-23-5	Carbon Tetrachloride	0.0089	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0089	U	108-90-7	Chlorobenzene	0.0089	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0089	U	75-00-3	Chloroethane	0.0089	U
79-00-5	1,1,2-Trichloroethane	0.0089	U	67-66-3	Chloroform	0.0089	U
75-34-3	1,1-Dichloroethane	0.0089	U	74-87-3	Chloromethane	0.0089	U
75-35-4	1,1-Dichloroethene	0.0089	U	156-59-2	cis-1,2-Dichloroethene	0.0089	U
96-18-4	1,2,3-Trichloropropane	0.0089	U	10061-01-5	cis-1,3-Dichloropropene	0.0089	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0018**	**0.028**	124-48-1	Dibromochloromethane	0.0089	U
95-50-1	1,2-Dichlorobenzene	0.0089	U	75-71-8	Dichlorodifluoromethane	0.0089	U
107-06-2	1,2-Dichloroethane	0.0089	U	**100-41-4**	**Ethylbenzene**	**0.0018**	**0.0034**
78-87-5	1,2-Dichloropropane	0.0089	U	**98-82-8**	**Isopropylbenzene**	**0.0018**	**0.0055**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0018**	**0.012**	**136777612**	**m&p-Xylenes**	**0.0018**	**0.010**
541-73-1	1,3-Dichlorobenzene	0.0089	U	75-09-2	Methylene Chloride	0.0089	U
142-28-9	1,3-Dichloropropane	0.0089	U	1634-04-4	Methyl-t-butyl ether	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.0089	U	**104-51-8**	**n-Butylbenzene**	**0.0018**	**0.0050**
123-91-1	1,4-Dioxane	0.44	U	**103-65-1**	**n-Propylbenzene**	**0.0018**	**0.0072**
78-93-3	**2-Butanone**	**0.0089**	**0.035**	**95-47-6**	**o-Xylene**	**0.0018**	**0.0084**
110-75-8	2-Chloroethylvinylether	0.0089	U	**135-98-8**	**sec-Butylbenzene**	**0.0018**	**0.0026**
591-78-6	2-Hexanone	0.0089	U	100-42-5	Styrene	0.0089	U
99-87-6	**4-Isopropyltoluene**	**0.0018**	**0.010**	75-65-0	t-Butyl Alcohol	0.044	U
108-10-1	4-Methyl-2-Pentanone	0.0089	U	98-06-6	t-Butylbenzene	0.0018	U
67-64-1	**Acetone**	**0.044**	**0.29**	127-18-4	Tetrachloroethene	0.0089	U
107-02-8	Acrolein	0.044	U	**108-88-3**	**Toluene**	**0.0018**	**0.0032**
107-13-1	Acrylonitrile	0.0089	U	156-60-5	trans-1,2-Dichloroethene	0.0089	U
71-43-2	Benzene	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.0089	U
75-27-4	Bromodichloromethane	0.0089	U	79-01-6	Trichloroethene	0.0089	U
75-25-2	Bromoform	0.0089	U	75-69-4	Trichlorofluoromethane	0.0089	U
74-83-9	Bromomethane	0.0089	U	75-01-4	Vinyl Chloride	0.0089	U
75-15-0	**Carbon Disulfide**	**0.0089**	**0.039**	**1330-20-7**	**Xylenes (Total)**	**0.0018**	**0.0184**

Worksheet #: 145101 ***Total Target Concentration*** 0.46 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: AC50199-002
Client Id: PI-01-TP-RAS3030410
Data File: 1M54914.D
Analysis Date: 03/09/10 18:30
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 56
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	79-92-5	Camphene	7.23	0.051 J
2	20536-40-7	ENDOISOCAMPHANE	7.47	0.050 J
3	933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	8.29	0.063 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.088 J
5	3290-53-7	Benzene, (2-methyl-2-propenyl)-	8.78	0.066 J
6	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.89	0.11 J
7	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.09	0.12 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.20	0.094 J
9	91-20-3	Naphthalene	9.33	0.085 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.68	0.055 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 0.78

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: AC50199-003(5X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 1M54988.D
Analysis Date: 03/11/10 11:35
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 1g
Final Vol: NA
Dilution: 5.00
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.034	U	56-23-5	Carbon Tetrachloride	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	0.034	U	108-90-7	Chlorobenzene	0.034	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.034	U	75-00-3	Chloroethane	0.034	U
79-00-5	1,1,2-Trichloroethane	0.034	U	67-66-3	Chloroform	0.034	U
75-34-3	1,1-Dichloroethane	0.034	U	74-87-3	Chloromethane	0.034	U
75-35-4	1,1-Dichloroethene	0.034	U	156-59-2	cis-1,2-Dichloroethene	0.034	U
96-18-4	1,2,3-Trichloropropane	0.034	U	10061-01-5	cis-1,3-Dichloropropene	0.034	U
95-63-6	1,2,4-Trimethylbenzene	0.0068	U	124-48-1	Dibromochloromethane	0.034	U
95-50-1	1,2-Dichlorobenzene	0.034	U	75-71-8	Dichlorodifluoromethane	0.034	U
107-06-2	1,2-Dichloroethane	0.034	U	100-41-4	Ethylbenzene	0.0068	U
78-87-5	1,2-Dichloropropane	0.034	U	98-82-8	Isopropylbenzene	0.0068	U
108-67-8	1,3,5-Trimethylbenzene	0.0068	U	136777612	m&p-Xylenes	0.0068	U
541-73-1	1,3-Dichlorobenzene	0.034	U	75-09-2	Methylene Chloride	0.034	U
142-28-9	1,3-Dichloropropane	0.034	U	1634-04-4	Methyl-t-butyl ether	0.0068	U
106-46-7	1,4-Dichlorobenzene	0.034	U	104-51-8	n-Butylbenzene	0.0068	U
123-91-1	1,4-Dioxane	1.7	U	103-65-1	n-Propylbenzene	0.0068	U
78-93-3	2-Butanone	0.034	U	95-47-6	o-Xylene	0.0068	U
110-75-8	2-Chloroethylvinylether	0.034	U	**135-98-8**	**sec-Butylbenzene**	**0.0068**	**0.052**
591-78-6	2-Hexanone	0.034	U	100-42-5	Styrene	0.034	U
99-87-6	4-Isopropyltoluene	0.0068	U	75-65-0	t-Butyl Alcohol	0.17	U
108-10-1	4-Methyl-2-Pentanone	0.034	U	98-06-6	t-Butylbenzene	0.0068	U
67-64-1	Acetone	0.17	U	127-18-4	Tetrachloroethene	0.034	U
107-02-8	Acrolein	0.17	U	**108-88-3**	**Toluene**	**0.0068**	**0.0074**
107-13-1	Acrylonitrile	0.034	U	156-60-5	trans-1,2-Dichloroethene	0.034	U
71-43-2	Benzene	0.0068	U	10061-02-6	trans-1,3-Dichloropropene	0.034	U
75-27-4	Bromodichloromethane	0.034	U	79-01-6	Trichloroethene	0.034	U
75-25-2	Bromoform	0.034	U	75-69-4	Trichlorofluoromethane	0.034	U
74-83-9	Bromomethane	0.034	U	75-01-4	Vinyl Chloride	0.034	U
75-15-0	Carbon Disulfide	0.034	U	1330-20-7	Xylenes (Total)	0.0068	U

Worksheet #: 145100 ***Total Target Concentration*** 0.059 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:	AC50199-003(5X)	Matrix:	Soil
Client Id:	PI-01-TP-RAS4030410	Initial Vol:	1g
Data File:	1M54988.D	Final Vol:	NA
Analysis Date:	03/11/10 11:35	Dilution:	5.00
Date Rec/Extracted:	03/05/10-NA	Solids:	74
		Method:	EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	5911-04-6	Nonane, 3-methyl-	6.85	1.8 J
2	14676-29-0	Heptane, 3-ethyl-2-methyl-	6.94	2.1 J
3		unknown	7.32	1.6 J
4		unknown	7.39	2.6 J
5	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.76	2.6 J
6	81983-71-3	1,1-DIMETHYL-2-PROPYLCYCLOHEX	7.97	2.1 J
7	61886-66-6	3-Eicosyne	8.10	2.6 J
8		unknown	8.21	1.6 J
9	630-06-8	Hexatriacontane	8.29	1.8 J
10	17301-28-9	Undecane, 3,6-dimethyl-	8.87	1.7 J

Worksheet #: 145100

Total Tentativelv Identified Concentration 20

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: AC50199-003(5X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 1M54949.D
Analysis Date: 03/10/10 13:58
Date Rec/Extracted: 03/05/10-NA
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: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0068	U	56-23-5	Carbon Tetrachloride	0.0068	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0068	U	108-90-7	Chlorobenzene	0.0068	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0068	U	75-00-3	Chloroethane	0.0068	U
79-00-5	1,1,2-Trichloroethane	0.0068	U	67-66-3	Chloroform	0.0068	U
75-34-3	1,1-Dichloroethane	0.0068	U	74-87-3	Chloromethane	0.0068	U
75-35-4	1,1-Dichloroethene	0.0068	U	156-59-2	cis-1,2-Dichloroethene	0.0068	U
96-18-4	1,2,3-Trichloropropane	0.0068	U	10061-01-5	cis-1,3-Dichloropropene	0.0068	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U	124-48-1	Dibromochloromethane	0.0068	U
95-50-1	1,2-Dichlorobenzene	0.0068	U	75-71-8	Dichlorodifluoromethane	0.0068	U
107-06-2	1,2-Dichloroethane	0.0068	U	100-41-4	Ethylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0068	U	98-82-8	Isopropylbenzene	0.0014	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U	136777612	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0068	U	75-09-2	Methylene Chloride	0.0068	U
142-28-9	1,3-Dichloropropane	0.0068	U	1634-04-4	Methyl-t-butyl ether	0.0014	U
106-46-7	1,4-Dichlorobenzene	0.0068	U	104-51-8	n-Butylbenzene	0.0014	U
123-91-1	1,4-Dioxane	0.34	U	103-65-1	n-Propylbenzene	0.0014	U
78-93-3	2-Butanone	0.0068	U	95-47-6	o-Xylene	0.0014	U
110-75-8	2-Chloroethylvinylether	0.0068	U	**135-98-8**	**sec-Butylbenzene**	**0.0014**	**0.0096**
591-78-6	2-Hexanone	0.0068	U	100-42-5	Styrene	0.0068	U
99-87-6	4-Isopropyltoluene	0.0014	U	75-65-0	t-Butyl Alcohol	0.034	U
108-10-1	4-Methyl-2-Pentanone	0.0068	U	98-06-6	t-Butylbenzene	0.0014	U
67-64-1	Acetone	0.034	U	127-18-4	Tetrachloroethene	0.0068	U
107-02-8	Acrolein	0.034	U	108-88-3	Toluene	0.0014	U
107-13-1	Acrylonitrile	0.0068	U	156-60-5	trans-1,2-Dichloroethene	0.0068	U
71-43-2	Benzene	0.0014	U	10061-02-6	trans-1,3-Dichloropropene	0.0068	U
75-27-4	Bromodichloromethane	0.0068	U	79-01-6	Trichloroethene	0.0068	U
75-25-2	Bromoform	0.0068	U	75-69-4	Trichlorofluoromethane	0.0068	U
74-83-9	Bromomethane	0.0068	U	75-01-4	Vinyl Chloride	0.0068	U
75-15-0	**Carbon Disulfide**	**0.0068**	**0.017**	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101 ***Total Target Concentration*** 0.027 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:	AC50199-003(5X)	Matrix:	Soil
Client Id:	PI-01-TP-RAS4030410	Initial Vol:	5g
Data File:	1M54949.D	Final Vol:	NA
Analysis Date:	03/10/10 13:58	Dilution:	1.00
Date Rec/Extracted:	03/05/10-NA	Solids:	74
		Method:	EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	14676-29-0	Heptane, 3-ethyl-2-methyl-	6.94	0.50 J
2		unknown	7.33	0.47 J
3		unknown	7.39	0.81 J
4		unknown	7.48	0.45 J
5		unknown	7.68	0.43 J
6	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.76	0.91 J
7		unknown	7.98	0.86 J
8	176-63-6	Spiro[4.5]decane	8.11	0.91 J
9	61142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	8.21	0.60 J
10		unknown	8.29	0.69 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 6.6

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: AC50199-004
Client Id: PI-01-TP-RAU1030510SO1
Data File: 1M54915.D
Analysis Date: 03/09/10 18:46
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.23g
Final Vol: NA
Dilution: 0.956
Solids: 63

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0076	U	56-23-5	Carbon Tetrachloride	0.0076	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0076	U	108-90-7	Chlorobenzene	0.0076	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0076	U	75-00-3	Chloroethane	0.0076	U
79-00-5	1,1,2-Trichloroethane	0.0076	U	67-66-3	Chloroform	0.0076	U
75-34-3	1,1-Dichloroethane	0.0076	U	74-87-3	Chloromethane	0.0076	U
75-35-4	1,1-Dichloroethene	0.0076	U	156-59-2	cis-1,2-Dichloroethene	0.0076	U
96-18-4	1,2,3-Trichloropropane	0.0076	U	10061-01-5	cis-1,3-Dichloropropene	0.0076	U
95-63-6	1,2,4-Trimethylbenzene	0.0015	U	124-48-1	Dibromochloromethane	0.0076	U
95-50-1	1,2-Dichlorobenzene	0.0076	U	75-71-8	Dichlorodifluoromethane	0.0076	U
107-06-2	1,2-Dichloroethane	0.0076	U	100-41-4	Ethylbenzene	0.0015	U
78-87-5	1,2-Dichloropropane	0.0076	U	98-82-8	Isopropylbenzene	0.0015	U
108-67-8	1,3,5-Trimethylbenzene	0.0015	U	136777612	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0076	U	75-09-2	Methylene Chloride	0.0076	U
142-28-9	1,3-Dichloropropane	0.0076	U	1634-04-4	Methyl-t-butyl ether	0.0015	U
106-46-7	1,4-Dichlorobenzene	0.0076	U	104-51-8	n-Butylbenzene	0.0015	U
123-91-1	1,4-Dioxane	0.38	U	103-65-1	n-Propylbenzene	0.0015	U
78-93-3	2-Butanone	0.0076	U	95-47-6	o-Xylene	0.0015	U
110-75-8	2-Chloroethylvinylether	0.0076	U	**135-98-8**	**sec-Butylbenzene**	**0.0015**	**0.0023**
591-78-6	2-Hexanone	0.0076	U	100-42-5	Styrene	0.0076	U
99-87-6	4-Isopropyltoluene	0.0015	U	75-65-0	t-Butyl Alcohol	0.038	U
108-10-1	4-Methyl-2-Pentanone	0.0076	U	98-06-6	t-Butylbenzene	0.0015	U
67-64-1	Acetone	0.038	U	127-18-4	Tetrachloroethene	0.0076	U
107-02-8	Acrolein	0.038	U	108-88-3	Toluene	0.0015	U
107-13-1	Acrylonitrile	0.0076	U	156-60-5	trans-1,2-Dichloroethene	0.0076	U
71-43-2	Benzene	0.0015	U	10061-02-6	trans-1,3-Dichloropropene	0.0076	U
75-27-4	Bromodichloromethane	0.0076	U	79-01-6	Trichloroethene	0.0076	U
75-25-2	Bromoform	0.0076	U	75-69-4	Trichlorofluoromethane	0.0076	U
74-83-9	Bromomethane	0.0076	U	75-01-4	Vinyl Chloride	0.0076	U
75-15-0	**Carbon Disulfide**	**0.0076**	**0.011**	1330-20-7	Xylenes (Total)	0.0015	U

Worksheet #: 145101 ***Total Target Concentration*** 0.013 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: AC50199-004
Client Id: PI-01-TP-RAU1030510
Data File: 1M54915.D
Analysis Date: 03/09/10 18:46
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.23g
Final Vol: NA
Dilution: 0.956
Solids: 63
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	0.052 J
2	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.77	0.056 J
3	150-84-5	Citronellyl acetate	8.11	0.095 J
4		unknown	8.30	0.077 J
5		unknown	8.43	0.094 J
6	2958-76-1	Naphthalene, decahydro-2-methyl-	8.52	0.099 J
7	17301-28-9	Undecane, 3,6-dimethyl-	8.88	0.076 J
8		unknown	9.03	0.056 J
9		unknown	9.14	0.055 J
10		unknown	9.60	0.054 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 0.71

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: AC50199-005
Client Id: PI-01-TP-RAU2030510SO1
Data File: 1M54943.D
Analysis Date: 03/10/10 12:21
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 72

Units: mg/Kg

Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0068	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0068	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0068	U
79-00-5	1,1,2-Trichloroethane	0.0068	U
75-34-3	1,1-Dichloroethane	0.0068	U
75-35-4	1,1-Dichloroethene	0.0068	U
96-18-4	1,2,3-Trichloropropane	0.0068	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U
95-50-1	1,2-Dichlorobenzene	0.0068	U
107-06-2	1,2-Dichloroethane	0.0068	U
78-87-5	1,2-Dichloropropane	0.0068	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0068	U
142-28-9	1,3-Dichloropropane	0.0068	U
106-46-7	1,4-Dichlorobenzene	0.0068	U
123-91-1	1,4-Dioxane	0.34	U
78-93-3	2-Butanone	0.0068	U
110-75-8	2-Chloroethylvinylether	0.0068	U
591-78-6	2-Hexanone	0.0068	U
99-87-6	4-Isopropyltoluene	0.0014	U
108-10-1	4-Methyl-2-Pentanone	0.0068	U
67-64-1	Acetone	0.034	U
107-02-8	Acrolein	0.034	U
107-13-1	Acrylonitrile	0.0068	U
71-43-2	Benzene	0.0014	U
75-27-4	Bromodichloromethane	0.0068	U
75-25-2	Bromoform	0.0068	U
74-83-9	Bromomethane	0.0068	U
75-15-0	Carbon Disulfide	0.0068	U

Cas #	Compound	RL	Conc
56-23-5	Carbon Tetrachloride	0.0068	U
108-90-7	Chlorobenzene	0.0068	U
75-00-3	Chloroethane	0.0068	U
67-66-3	Chloroform	0.0068	U
74-87-3	Chloromethane	0.0068	U
156-59-2	cis-1,2-Dichloroethene	0.0068	U
10061-01-5	cis-1,3-Dichloropropene	0.0068	U
124-48-1	Dibromochloromethane	0.0068	U
75-71-8	Dichlorodifluoromethane	0.0068	U
100-41-4	Ethylbenzene	0.0014	U
98-82-8	Isopropylbenzene	0.0014	U
136777612	m&p-Xylenes	0.0014	U
75-09-2	Methylene Chloride	0.0068	U
1634-04-4	Methyl-t-butyl ether	0.0014	U
104-51-8	n-Butylbenzene	0.0014	U
103-65-1	n-Propylbenzene	0.0014	U
95-47-6	o-Xylene	0.0014	U
135-98-8	sec-Butylbenzene	0.0014	U
100-42-5	Styrene	0.0068	U
75-65-0	t-Butyl Alcohol	0.034	U
98-06-6	t-Butylbenzene	0.0014	U
127-18-4	Tetrachloroethene	0.0068	U
108-88-3	Toluene	0.0014	U
156-60-5	trans-1,2-Dichloroethene	0.0068	U
10061-02-6	trans-1,3-Dichloropropene	0.0068	U
79-01-6	Trichloroethene	0.0068	U
75-69-4	Trichlorofluoromethane	0.0068	U
75-01-4	Vinyl Chloride	0.0068	U
1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101 ***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: AC50199-005
Client Id: PI-01-TP-RAU2030510
Data File: 1M54943.D
Analysis Date: 03/10/10 12:21
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 72
Method: EPA 8260B

Units: mg/Kg

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

Worksheet #: 145101

Total Tentativelv 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.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-006
Client Id: PI-01-TP-RAU3030510SO1
Data File: 1M54944.D
Analysis Date: 03/10/10 12:38
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0072	U	56-23-5	Carbon Tetrachloride	0.0072	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0072	U	108-90-7	Chlorobenzene	0.0072	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0072	U	75-00-3	Chloroethane	0.0072	U
79-00-5	1,1,2-Trichloroethane	0.0072	U	67-66-3	Chloroform	0.0072	U
75-34-3	1,1-Dichloroethane	0.0072	U	74-87-3	Chloromethane	0.0072	U
75-35-4	1,1-Dichloroethene	0.0072	U	156-59-2	cis-1,2-Dichloroethene	0.0072	U
96-18-4	1,2,3-Trichloropropane	0.0072	U	10061-01-5	cis-1,3-Dichloropropene	0.0072	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U	124-48-1	Dibromochloromethane	0.0072	U
95-50-1	1,2-Dichlorobenzene	0.0072	U	75-71-8	Dichlorodifluoromethane	0.0072	U
107-06-2	1,2-Dichloroethane	0.0072	U	100-41-4	Ethylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0072	U	98-82-8	Isopropylbenzene	0.0014	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U	136777612	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0072	U	75-09-2	Methylene Chloride	0.0072	U
142-28-9	1,3-Dichloropropane	0.0072	U	1634-04-4	Methyl-t-butyl ether	0.0014	U
106-46-7	1,4-Dichlorobenzene	0.0072	U	104-51-8	n-Butylbenzene	0.0014	U
123-91-1	1,4-Dioxane	0.36	U	103-65-1	n-Propylbenzene	0.0014	U
78-93-3	2-Butanone	0.0072	U	95-47-6	o-Xylene	0.0014	U
110-75-8	2-Chloroethylvinylether	0.0072	U	135-98-8	sec-Butylbenzene	0.0014	U
591-78-6	2-Hexanone	0.0072	U	100-42-5	Styrene	0.0072	U
99-87-6	4-Isopropyltoluene	0.0014	U	75-65-0	t-Butyl Alcohol	0.036	U
108-10-1	4-Methyl-2-Pentanone	0.0072	U	98-06-6	t-Butylbenzene	0.0014	U
67-64-1	Acetone	0.036	U	127-18-4	Tetrachloroethene	0.0072	U
107-02-8	Acrolein	0.036	U	108-88-3	Toluene	0.0014	U
107-13-1	Acrylonitrile	0.0072	U	156-60-5	trans-1,2-Dichloroethene	0.0072	U
71-43-2	Benzene	0.0014	U	10061-02-6	trans-1,3-Dichloropropene	0.0072	U
75-27-4	Bromodichloromethane	0.0072	U	79-01-6	Trichloroethene	0.0072	U
75-25-2	Bromoform	0.0072	U	75-69-4	Trichlorofluoromethane	0.0072	U
74-83-9	Bromomethane	0.0072	U	75-01-4	Vinyl Chloride	0.0072	U
75-15-0	Carbon Disulfide	0.0072	U	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101

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: AC50199-006
Client Id: PI-01-TP-RAU3030510
Data File: 1M54944.D
Analysis Date: 03/10/10 12:38
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 69
Method: EPA 8260B

Units: mg/Kg

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

Worksheet #: 145101

Total Tentativelv 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.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-007
Client Id: PI-01-TP-RAS2030510SO1
Data File: 1M54947.D
Analysis Date: 03/10/10 13:26
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.05g
Final Vol: NA
Dilution: 0.990
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0064	U	56-23-5	Carbon Tetrachloride	0.0064	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0064	U	108-90-7	Chlorobenzene	0.0064	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0064	U	75-00-3	Chloroethane	0.0064	U
79-00-5	1,1,2-Trichloroethane	0.0064	U	67-66-3	Chloroform	0.0064	U
75-34-3	1,1-Dichloroethane	0.0064	U	74-87-3	Chloromethane	0.0064	U
75-35-4	1,1-Dichloroethene	0.0064	U	156-59-2	cis-1,2-Dichloroethene	0.0064	U
96-18-4	1,2,3-Trichloropropane	0.0064	U	10061-01-5	cis-1,3-Dichloropropene	0.0064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0013**	**0.011**	124-48-1	Dibromochloromethane	0.0064	U
95-50-1	1,2-Dichlorobenzene	0.0064	U	75-71-8	Dichlorodifluoromethane	0.0064	U
107-06-2	1,2-Dichloroethane	0.0064	U	100-41-4	Ethylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0064	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.0078**
108-67-8	1,3,5-Trimethylbenzene	0.0013	U	136777612	m&p-Xylenes	0.0013	U
541-73-1	1,3-Dichlorobenzene	0.0064	U	75-09-2	Methylene Chloride	0.0064	U
142-28-9	1,3-Dichloropropane	0.0064	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
106-46-7	1,4-Dichlorobenzene	0.0064	U	**104-51-8**	**n-Butylbenzene**	**0.0013**	**0.016**
123-91-1	1,4-Dioxane	0.32	U	**103-65-1**	**n-Propylbenzene**	**0.0013**	**0.011**
78-93-3	2-Butanone	0.0064	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.0021**
110-75-8	2-Chloroethylvinylether	0.0064	U	**135-98-8**	**sec-Butylbenzene**	**0.0013**	**0.0069**
591-78-6	2-Hexanone	0.0064	U	100-42-5	Styrene	0.0064	U
99-87-6	**4-Isopropyltoluene**	**0.0013**	**0.0026**	75-65-0	t-Butyl Alcohol	0.032	U
108-10-1	4-Methyl-2-Pentanone	0.0064	U	98-06-6	t-Butylbenzene	0.0013	U
67-64-1	Acetone	0.032	U	127-18-4	Tetrachloroethene	0.0064	U
107-02-8	Acrolein	0.032	U	108-88-3	Toluene	0.0013	U
107-13-1	Acrylonitrile	0.0064	U	156-60-5	trans-1,2-Dichloroethene	0.0064	U
71-43-2	Benzene	0.0013	U	10061-02-6	trans-1,3-Dichloropropene	0.0064	U
75-27-4	Bromodichloromethane	0.0064	U	79-01-6	Trichloroethene	0.0064	U
75-25-2	Bromoform	0.0064	U	75-69-4	Trichlorofluoromethane	0.0064	U
74-83-9	Bromomethane	0.0064	U	75-01-4	Vinyl Chloride	0.0064	U
75-15-0	Carbon Disulfide	0.0064	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.0021**

Worksheet #: 145101 ***Total Target Concentration*** 0.057 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: AC50199-007
Client Id: PI-01-TP-RAS2030510
Data File: 1M54947.D
Analysis Date: 03/10/10 13:26
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.05g
Final Vol: NA
Dilution: 0.990
Solids: 77
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	5502-88-5	Cyclohexene, 1-methyl-4-(1-methylethyl)	7.39	0.25 J
2	7058-01-7	Cyclohexane, (1-methylpropyl)-	7.77	0.34 J
3	53366-38-4	Cyclopentane, (2-methylbutyl)-	7.98	0.20 J
4	176-63-6	Spiro[4.5]decane	8.11	0.45 J
5		unknown	8.22	0.23 J
6	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.29	0.40 J
7	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.41 J
8		unknown	8.52	0.25 J
9	17301-23-4	Undecane, 2,6-dimethyl-	8.88	0.31 J
10	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.20	0.25 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 3.1

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 SEMIVOLATILE REPORT

Sample Number: AC50199-001(2X)
Client Id: PI-01-TP-RAS1030410SO1
Data File: 9M23666.D
Analysis Date: 03/10/10 16:59
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.18	U
122-66-7	1,2-Diphenylhydrazine	0.18	U
95-95-4	2,4,5-Trichlorophenol	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.18	U
120-83-2	2,4-Dichlorophenol	0.18	U
105-67-9	2,4-Dimethylphenol	0.18	U
51-28-5	2,4-Dinitrophenol	0.90	U
121-14-2	2,4-Dinitrotoluene	0.18	U
606-20-2	2,6-Dinitrotoluene	0.18	U
91-58-7	2-Chloronaphthalene	0.18	U
95-57-8	2-Chlorophenol	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.18**	**0.67**
95-48-7	2-Methylphenol	0.18	U
88-74-4	2-Nitroaniline	0.18	U
88-75-5	2-Nitrophenol	0.18	U
106-44-5	3&4-Methylphenol	0.18	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U
99-09-2	3-Nitroaniline	0.18	U
534-52-1	4,6-Dinitro-2-methylphenol	0.90	U
101-55-3	4-Bromophenyl-phenylether	0.18	U
59-50-7	4-Chloro-3-methylphenol	0.18	U
106-47-8	4-Chloroaniline	0.18	U
7005-72-3	4-Chlorophenyl-phenylether	0.18	U
100-01-6	4-Nitroaniline	0.18	U
100-02-7	4-Nitrophenol	0.18	U
83-32-9	**Acenaphthene**	**0.18**	**0.35**
208-96-8	Acenaphthylene	0.18	U
62-53-3	Aniline	0.18	U
120-12-7	**Anthracene**	**0.18**	**0.56**
92-87-5	Benzidine	0.90	U
56-55-3	**Benzo[a]anthracene**	**0.18**	**0.63**
50-32-8	**Benzo[a]pyrene**	**0.18**	**0.50**
205-99-2	**Benzo[b]fluoranthene**	**0.18**	**0.30**
191-24-2	**Benzo[g,h,i]perylene**	**0.18**	**0.36**
207-08-9	Benzo[k]fluoranthene	0.18	U
65-85-0	Benzoic Acid	0.90	U
111-91-1	bis(2-Chloroethoxy)methan	0.18	U
111-44-4	bis(2-Chloroethyl)ether	0.18	U
108-60-1	bis(2-chloroisopropyl)ether	0.18	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.18	U
85-68-7	Butylbenzylphthalate	0.18	U
86-74-8	Carbazole	0.18	U
218-01-9	**Chrysene**	**0.18**	**0.97**
53-70-3	Dibenzo[a,h]anthracene	0.18	U
132-64-9	Dibenzofuran	0.18	U
84-66-2	Diethylphthalate	0.18	U
131-11-3	Dimethylphthalate	0.18	U
84-74-2	Di-n-butylphthalate	0.18	U
117-84-0	Di-n-octylphthalate	0.18	U
206-44-0	**Fluoranthene**	**0.18**	**0.50**
86-73-7	**Fluorene**	**0.18**	**0.36**
118-74-1	Hexachlorobenzene	0.18	U
87-68-3	Hexachlorobutadiene	0.18	U
77-47-4	Hexachlorocyclopentadiene	0.90	U
67-72-1	Hexachloroethane	0.18	U
193-39-5	**Indeno[1,2,3-cd]pyrene**	**0.18**	**0.21**
78-59-1	Isophorone	0.18	U
91-20-3	Naphthalene	0.18	U
98-95-3	Nitrobenzene	0.18	U
62-75-9	N-Nitrosodimethylamine	0.18	U
621-64-7	N-Nitroso-di-n-propylamine	0.18	U
86-30-6	n-Nitrosodiphenylamine	0.18	U
87-86-5	Pentachlorophenol	0.90	U
85-01-8	**Phenanthrene**	**0.18**	**1.4**
108-95-2	Phenol	0.18	U
129-00-0	**Pyrene**	**0.18**	**1.9**

Worksheet #: 145370

Total Target Concentration 8.7

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: AC50199-001(2X)
Client Id: PI-01-TP-RAS1030410
Data File: 9M23666.D
Analysis Date: 03/10/10 16:59
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 74
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.54	280 JAB
2	575-43-9	Naphthalene, 1,6-dimethyl-	7.18	2.0 J
3	581-40-8	Naphthalene, 2,3-dimethyl-	7.24	2.2 J
4	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.60	2.1 J
5	2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.78	1.9 J
6	629-50-5	Tridecane	8.10	2.0 J
7	1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	8.35	3.6 J
8	613-33-2	1,1'-Biphenyl, 4,4'-dimethyl-	8.53	2.0 J
9	16587-52-3	Dibenzothiophene, 3-methyl-	9.24	3.1 J
10	613-12-7	Anthracene, 2-methyl-	9.42	3.4 J
11	613-12-7	Anthracene, 2-methyl-	9.45	2.6 J
12	832-64-4	Phenanthrene, 4-methyl-	9.54	3.2 J
13	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.92	2.8 J
14	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.96	3.0 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.04	6.6 J
16	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.08	3.0 J
17	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.13	2.6 J
18	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.28	2.6 J
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.52	2.8 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.56	4.2 J
21		unknown	10.73	1.9 J
22		unknown	10.86	2.9 J
23	2381-21-7	Pyrene, 1-methyl-	11.09	2.0 J
24	64401-21-4	Pyrene, 1,3-dimethyl-	11.58	2.1 J
25	84258-70-8	6-Methylbenzo[b]naphtho[1,2-d]thiophen	12.00	1.8 J

Worksheet #: 145370

Total Tentativelv Identified Concentration 350

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: AC50199-002
Client Id: PI-01-TP-RAS3030410SO1
Data File: 9M23667.D
Analysis Date: 03/10/10 17:22
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U
95-95-4	2,4,5-Trichlorophenol	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U
120-83-2	2,4-Dichlorophenol	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U
51-28-5	2,4-Dinitrophenol	0.60	U
121-14-2	2,4-Dinitrotoluene	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U
95-57-8	2-Chlorophenol	0.12	U
91-57-6	**2-Methylnaphthalene**	**0.12**	**0.62**
95-48-7	2-Methylphenol	0.12	U
88-74-4	2-Nitroaniline	0.12	U
88-75-5	2-Nitrophenol	0.12	U
106-44-5	3&4-Methylphenol	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U
99-09-2	3-Nitroaniline	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.60	U
101-55-3	4-Bromophenyl-phenylether	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U
106-47-8	4-Chloroaniline	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U
100-01-6	4-Nitroaniline	0.12	U
100-02-7	4-Nitrophenol	0.12	U
83-32-9	Acenaphthene	0.12	U
208-96-8	Acenaphthylene	0.12	U
62-53-3	Aniline	0.12	U
120-12-7	Anthracene	0.12	U
92-87-5	Benzidine	0.60	U
56-55-3	Benzo[a]anthracene	0.12	U
50-32-8	Benzo[a]pyrene	0.12	U
205-99-2	Benzo[b]fluoranthene	0.12	U
191-24-2	Benzo[g,h,i]perylene	0.12	U
207-08-9	Benzo[k]fluoranthene	0.12	U
65-85-0	Benzoic Acid	0.60	U
111-91-1	bis(2-Chloroethoxy)methan	0.12	U
111-44-4	bis(2-Chloroethyl)ether	0.12	U
108-60-1	bis(2-chloroisopropyl)ether	0.12	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
85-68-7	Butylbenzylphthalate	0.12	U
86-74-8	Carbazole	0.12	U
218-01-9	Chrysene	0.12	U
53-70-3	Dibenzo[a,h]anthracene	0.12	U
132-64-9	Dibenzofuran	0.12	U
84-66-2	Diethylphthalate	0.12	U
131-11-3	Dimethylphthalate	0.12	U
84-74-2	Di-n-butylphthalate	0.12	U
117-84-0	Di-n-octylphthalate	0.12	U
206-44-0	**Fluoranthene**	**0.12**	**0.18**
86-73-7	Fluorene	0.12	U
118-74-1	Hexachlorobenzene	0.12	U
87-68-3	Hexachlorobutadiene	0.12	U
77-47-4	Hexachlorocyclopentadiene	0.60	U
67-72-1	Hexachloroethane	0.12	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.12	U
78-59-1	Isophorone	0.12	U
91-20-3	**Naphthalene**	**0.12**	**0.16**
98-95-3	Nitrobenzene	0.12	U
62-75-9	N-Nitrosodimethylamine	0.12	U
621-64-7	N-Nitroso-di-n-propylamine	0.12	U
86-30-6	n-Nitrosodiphenylamine	0.12	U
87-86-5	Pentachlorophenol	0.60	U
85-01-8	**Phenanthrene**	**0.12**	**0.32**
108-95-2	Phenol	0.12	U
129-00-0	**Pyrene**	**0.12**	**0.14**

Worksheet #: 145846

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: AC50199-002
Client Id: PI-01-TP-RAS3030410
Data File: 9M23667.D
Analysis Date: 03/10/10 17:22
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	2.55	1.7 J
2	141-79-7	3-Penten-2-one, 4-methyl-	2.66	1.5 JAB
3		unknown	3.18	1.1 JB
4	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.62	350 JAB
5		unknown	4.31	0.73 JB
6	5131-66-8	2-Propanol, 1-butoxy-	4.54	0.48 J
7		unknown	5.09	0.94 J
8	90-12-0	Naphthalene, 1-methyl-	6.77	0.65 J
9	939-27-5	Naphthalene, 2-ethyl-	7.12	0.35 J
10		unknown	7.17	1.1 J
11	575-41-7	Naphthalene, 1,3-dimethyl-	7.23	0.50 J
12	60212-30-8	3-Undecyne	9.80	0.86 J
13	67315-82-6	cis-3-methoxy-2-(phenylthio)-3-cyclohex	9.83	0.38 J
14		unknown	9.93	6.2 J
15	112-95-8	Eicosane	10.15	0.36 J
16	76319-77-2	10-Methoxybenz[a]azulen-1,4-dione	10.28	7.1 J
17	16914-12-8	(E,E)-2,5-Diphenyl-2,4-hexadiene	10.81	2.4 J
18	593-45-3	Octadecane	11.01	0.41 J
19	2236-60-4	4(1H)-Pteridinone, 2-amino-	11.71	1.6 J
20	88344-61-0	Dimethyl diester of 2-(3,4-dimethoxyphe	12.69	0.67 J
21		unknown	13.85	0.40 J
22		unknown	14.56	0.35 J
23	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	14.92	1.6 J
24		unknown	15.41	0.46 J
25		unknown	15.50	0.40 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 380

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: AC50199-003(3X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 9M23699.D
Analysis Date: 03/11/10 17:29
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.27	U
122-66-7	1,2-Diphenylhydrazine	0.27	U
95-95-4	2,4,5-Trichlorophenol	0.27	U
88-06-2	2,4,6-Trichlorophenol	0.27	U
120-83-2	2,4-Dichlorophenol	0.27	U
105-67-9	2,4-Dimethylphenol	0.27	U
51-28-5	2,4-Dinitrophenol	1.4	U
121-14-2	2,4-Dinitrotoluene	0.27	U
606-20-2	2,6-Dinitrotoluene	0.27	U
91-58-7	2-Chloronaphthalene	0.27	U
95-57-8	2-Chlorophenol	0.27	U
91-57-6	**2-Methylnaphthalene**	**0.27**	**0.37**
95-48-7	2-Methylphenol	0.27	U
88-74-4	2-Nitroaniline	0.27	U
88-75-5	2-Nitrophenol	0.27	U
106-44-5	3&4-Methylphenol	0.27	U
91-94-1	3,3'-Dichlorobenzidine	0.27	U
99-09-2	3-Nitroaniline	0.27	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
101-55-3	4-Bromophenyl-phenylether	0.27	U
59-50-7	4-Chloro-3-methylphenol	0.27	U
106-47-8	4-Chloroaniline	0.27	U
7005-72-3	4-Chlorophenyl-phenylether	0.27	U
100-01-6	4-Nitroaniline	0.27	U
100-02-7	4-Nitrophenol	0.27	U
83-32-9	**Acenaphthene**	**0.27**	**0.47**
208-96-8	Acenaphthylene	0.27	U
62-53-3	Aniline	0.27	U
120-12-7	Anthracene	0.27	U
92-87-5	Benzidine	1.4	U
56-55-3	**Benzo[a]anthracene**	**0.27**	**1.4**
50-32-8	**Benzo[a]pyrene**	**0.27**	**0.87**
205-99-2	**Benzo[b]fluoranthene**	**0.27**	**0.60**
191-24-2	**Benzo[g,h,i]perylene**	**0.27**	**0.46**
207-08-9	Benzo[k]fluoranthene	0.27	U
65-85-0	Benzoic Acid	1.4	U
111-91-1	bis(2-Chloroethoxy)methan	0.27	U
111-44-4	bis(2-Chloroethyl)ether	0.27	U
108-60-1	bis(2-chloroisopropyl)ether	0.27	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.27	U
85-68-7	Butylbenzylphthalate	0.27	U
86-74-8	Carbazole	0.27	U
218-01-9	**Chrysene**	**0.27**	**2.0**
53-70-3	Dibenzo[a,h]anthracene	0.27	U
132-64-9	Dibenzofuran	0.27	U
84-66-2	Diethylphthalate	0.27	U
131-11-3	Dimethylphthalate	0.27	U
84-74-2	Di-n-butylphthalate	0.27	U
117-84-0	Di-n-octylphthalate	0.27	U
206-44-0	**Fluoranthene**	**0.27**	**0.88**
86-73-7	Fluorene	0.27	U
118-74-1	Hexachlorobenzene	0.27	U
87-68-3	Hexachlorobutadiene	0.27	U
77-47-4	Hexachlorocyclopentadiene	1.4	U
67-72-1	Hexachloroethane	0.27	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.27	U
78-59-1	Isophorone	0.27	U
91-20-3	**Naphthalene**	**0.27**	**0.60**
98-95-3	Nitrobenzene	0.27	U
62-75-9	N-Nitrosodimethylamine	0.27	U
621-64-7	N-Nitroso-di-n-propylamine	0.27	U
86-30-6	n-Nitrosodiphenylamine	0.27	U
87-86-5	Pentachlorophenol	1.4	U
85-01-8	**Phenanthrene**	**0.27**	**0.56**
108-95-2	Phenol	0.27	U
129-00-0	**Pyrene**	**0.27**	**2.5**

Worksheet #: 145846

Total Target Concentration 11

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: AC50199-003(3X)
Client Id: PI-01-TP-RAS4030410
Data File: 9M23699.D
Analysis Date: 03/11/10 17:29
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 74
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.47	260 JA B lk 3.23.10
2		unknown	6.54	3.2 J
3	54965-05-8	Cyclohexane, 1,1,3-trimethyl-2-(3-methy	7.00	2.2 J
4	829-26-5	Naphthalene, 2,3,6-trimethyl-	7.74	2.5 J
5	69258-18-0	2-Allyl-1-methylnaphthalene	8.26	2.3 J
6	1430-97-3	9H-Fluorene, 2-methyl-	8.46	2.6 J
7	613-33-2	1,1'-Biphenyl, 4,4'-dimethyl-	8.49	2.8 J
8	33788-22-6	4-HYDROXYMELLEIN	8.97	2.2 J
9	101-77-9	Benzenamine, 4,4'-methylenebis-	9.39	2.6 J
10	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	9.64	3.5 J
11	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	9.70	2.7 J
12	1207-15-4	2,8-Dimethyldibenzothiophene	9.73	2.7 J
13	89816-53-5	1,7-Dimethyldibenzothiophene	9.82	2.7 J
14	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.00	6.3 J
15	1576-67-6	Phenanthrene, 3,6-dimethyl-	10.03	3.4 J
16	29385-11-3	Phenol, (1-methylethyl)dinitro-	10.14	3.0 J
17	61649-69-2	Ferrocenyldimethylborane	10.23	3.4 J
18	71185-29-0	2-Ethyl-1,3,4,5,8-pentamethylnaphthale	10.36	2.7 J
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	5.1 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.52	6.3 J
21		unknown	10.69	2.2 J
22	243-17-4	11H-Benzo[b]fluorene	10.81	4.5 J
23	2381-21-7	Pyrene, 1-methyl-	11.04	2.7 J
24		unknown	11.13	2.5 J
25		unknown	13.98	2.9 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 340

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: AC50199-004(3X)
Client Id: PI-01-TP-RAU1030510SO1
Data File: 5M56038.D
Analysis Date: 03/16/10 16:24
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 63

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.32	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.32**	**0.60**
122-66-7	1,2-Diphenylhydrazine	0.32	U	207-08-9	Benzo[k]fluoranthene	0.32	U
95-95-4	2,4,5-Trichlorophenol	0.32	U	65-85-0	Benzoic Acid	1.6	U
88-06-2	2,4,6-Trichlorophenol	0.32	U	111-91-1	bis(2-Chloroethoxy)methan	0.32	U
120-83-2	2,4-Dichlorophenol	0.32	U	111-44-4	bis(2-Chloroethyl)ether	0.32	U
105-67-9	2,4-Dimethylphenol	0.32	U	108-60-1	bis(2-chloroisopropyl)ether	0.32	U
51-28-5	2,4-Dinitrophenol	1.6	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.32	U
121-14-2	2,4-Dinitrotoluene	0.32	U	85-68-7	Butylbenzylphthalate	0.32	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.32	U
91-58-7	2-Chloronaphthalene	0.32	U	**218-01-9**	**Chrysene**	**0.32**	**1.6**
95-57-8	2-Chlorophenol	0.32	U	53-70-3	Dibenzo[a,h]anthracene	0.32	U
91-57-6	**2-Methylnaphthalene**	**0.32**	**0.48**	132-64-9	Dibenzofuran	0.32	U
95-48-7	2-Methylphenol	0.32	U	84-66-2	Diethylphthalate	0.32	U
88-74-4	2-Nitroaniline	0.32	U	131-11-3	Dimethylphthalate	0.32	U
88-75-5	2-Nitrophenol	0.32	U	84-74-2	Di-n-butylphthalate	0.32	U
106-44-5	3&4-Methylphenol	0.32	U	117-84-0	Di-n-octylphthalate	0.32	U
91-94-1	3,3'-Dichlorobenzidine	0.32	U	**206-44-0**	**Fluoranthene**	**0.32**	**1.3**
99-09-2	3-Nitroaniline	0.32	U	86-73-7	Fluorene	0.32	U
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U	118-74-1	Hexachlorobenzene	0.32	U
101-55-3	4-Bromophenyl-phenylether	0.32	U	87-68-3	Hexachlorobutadiene	0.32	U
59-50-7	4-Chloro-3-methylphenol	0.32	U	77-47-4	Hexachlorocyclopentadiene	1.6	U
106-47-8	4-Chloroaniline	0.32	U	67-72-1	Hexachloroethane	0.32	U
7005-72-3	4-Chlorophenyl-phenylether	0.32	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.32	U
100-01-6	4-Nitroaniline	0.32	U	78-59-1	Isophorone	0.32	U
100-02-7	4-Nitrophenol	0.32	U	**91-20-3**	**Naphthalene**	**0.32**	**0.32**
83-32-9	**Acenaphthene**	**0.32**	**0.33**	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.32	U	62-75-9	N-Nitrosodimethylamine	0.32	U
62-53-3	Aniline	0.32	U	621-64-7	N-Nitroso-di-n-propylamine	0.32	U
120-12-7	Anthracene	0.32	U	86-30-6	n-Nitrosodiphenylamine	0.32	U
92-87-5	Benzidine	1.6	U	87-86-5	Pentachlorophenol	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.32**	**1.1**	**85-01-8**	**Phenanthrene**	**0.32**	**1.9**
50-32-8	**Benzo[a]pyrene**	**0.32**	**0.70**	108-95-2	Phenol	0.32	U
205-99-2	**Benzo[b]fluoranthene**	**0.32**	**0.40**	**129-00-0**	**Pyrene**	**0.32**	**6.1**

Worksheet #: 145846 ***Total Target Concentration*** 15 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:	AC50199-004(3X)	Matrix:	Soil
Client Id:	PI-01-TP-RAU1030510	Initial Vol:	30g
Data File:	5M56038.D	Final Vol:	1ml
Analysis Date:	03/16/10 16:24	Dilution:	3
Date Rec/Extracted:	03/05/10-03/12/10	Solids:	63
		Method:	EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.20	210 JAB
2	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.34	3.2 J
3	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.41	3.5 J
4	2131-41-1	Naphthalene, 1,4,5-trimethyl-	8.49	3.6 J
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.62	3.0 J
6	529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	8.99	3.8 J
7	1430-97-3	9H-Fluorene, 2-methyl-	9.16	4.0 J
8	4612-63-9	9H-Fluorene, 2,3-dimethyl-	9.22	3.5 J
9	611-43-8	1,1'-Biphenyl, 2,3'-dimethyl-	9.32	3.1 J
10	4612-63-9	9H-Fluorene, 2,3-dimethyl-	9.70	3.7 J
11	57768-52-2	(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	10.14	4.5 J
12	613-12-7	Anthracene, 2-methyl-	10.22	3.0 J
13	57768-52-2	(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	10.26	7.0 J
14	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	10.47	3.9 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.64	5.0 J
16	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.76	8.7 J
17	3674-65-5	Phenanthrene, 2,3-dimethyl-	10.79	4.7 J
18	3674-65-5	Phenanthrene, 2,3-dimethyl-	10.86	3.8 J
19		unknown	11.01	4.3 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.17	2.9 J
21	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.24	4.2 J
22	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.29	5.5 J
23	3442-78-2	Pyrene, 2-methyl-	11.72	5.5 J
24	3353-12-6	Pyrene, 4-methyl-	11.83	4.8 J
25	2381-21-7	Pyrene, 1-methyl-	11.87	4.4 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 310

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: AC50199-005
Client Id: PI-01-TP-RAU2030510SO1
Data File: 5M56039.D
Analysis Date: 03/16/10 16:47
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 72

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.093	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.093**	**0.10**
122-66-7	1,2-Diphenylhydrazine	0.093	U	207-08-9	Benzo[k]fluoranthene	0.093	U
95-95-4	2,4,5-Trichlorophenol	0.093	U	65-85-0	Benzoic Acid	0.46	U
88-06-2	2,4,6-Trichlorophenol	0.093	U	111-91-1	bis(2-Chloroethoxy)methan	0.093	U
120-83-2	2,4-Dichlorophenol	0.093	U	111-44-4	bis(2-Chloroethyl)ether	0.093	U
105-67-9	2,4-Dimethylphenol	0.093	U	108-60-1	bis(2-chloroisopropyl)ether	0.093	U
51-28-5	2,4-Dinitrophenol	0.46	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.093	U
121-14-2	2,4-Dinitrotoluene	0.093	U	85-68-7	Butylbenzylphthalate	0.093	U
606-20-2	2,6-Dinitrotoluene	0.093	U	86-74-8	Carbazole	0.093	U
91-58-7	2-Chloronaphthalene	0.093	U	**218-01-9**	**Chrysene**	**0.093**	**0.20**
95-57-8	2-Chlorophenol	0.093	U	53-70-3	Dibenzo[a,h]anthracene	0.093	U
91-57-6	2-Methylnaphthalene	0.093	U	132-64-9	Dibenzofuran	0.093	U
95-48-7	2-Methylphenol	0.093	U	84-66-2	Diethylphthalate	0.093	U
88-74-4	2-Nitroaniline	0.093	U	131-11-3	Dimethylphthalate	0.093	U
88-75-5	2-Nitrophenol	0.093	U	84-74-2	Di-n-butylphthalate	0.093	U
106-44-5	3&4-Methylphenol	0.093	U	117-84-0	Di-n-octylphthalate	0.093	U
91-94-1	3,3'-Dichlorobenzidine	0.093	U	**206-44-0**	**Fluoranthene**	**0.093**	**0.34**
99-09-2	3-Nitroaniline	0.093	U	86-73-7	Fluorene	0.093	U
534-52-1	4,6-Dinitro-2-methylphenol	0.46	U	118-74-1	Hexachlorobenzene	0.093	U
101-55-3	4-Bromophenyl-phenylether	0.093	U	87-68-3	Hexachlorobutadiene	0.093	U
59-50-7	4-Chloro-3-methylphenol	0.093	U	77-47-4	Hexachlorocyclopentadiene	0.46	U
106-47-8	4-Chloroaniline	0.093	U	67-72-1	Hexachloroethane	0.093	U
7005-72-3	4-Chlorophenyl-phenylether	0.093	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.093	U
100-01-6	4-Nitroaniline	0.093	U	78-59-1	Isophorone	0.093	U
100-02-7	4-Nitrophenol	0.093	U	91-20-3	Naphthalene	0.093	U
83-32-9	Acenaphthene	0.093	U	98-95-3	Nitrobenzene	0.093	U
208-96-8	Acenaphthylene	0.093	U	62-75-9	N-Nitrosodimethylamine	0.093	U
62-53-3	Aniline	0.093	U	621-64-7	N-Nitroso-di-n-propylamine	0.093	U
120-12-7	Anthracene	0.093	U	86-30-6	n-Nitrosodiphenylamine	0.093	U
92-87-5	Benzidine	0.46	U	87-86-5	Pentachlorophenol	0.46	U
56-55-3	**Benzo[a]anthracene**	**0.093**	**0.18**	**85-01-8**	**Phenanthrene**	**0.093**	**0.27**
50-32-8	**Benzo[a]pyrene**	**0.093**	**0.14**	108-95-2	Phenol	0.093	U
205-99-2	**Benzo[b]fluoranthene**	**0.093**	**0.21**	**129-00-0**	**Pyrene**	**0.093**	**0.32**

Worksheet #: 145370 ***Total Target Concentration*** 1.8 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: AC50199-005
Client Id: PI-01-TP-RAU2030510
Data File: 5M56039.D
Analysis Date: 03/16/10 16:47
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 72
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	2.63	0.19 J
2	141-79-7	3-Penten-2-one, 4-methyl-	3.60	1.3 JAB
3		unknown	3.85	0.23 JB
4		unknown	3.92	1.1 JB
5	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.27	170 JAB
6	111-76-2	Ethanol, 2-butoxy-	4.79	0.20 J
7		unknown	4.89	0.58 JB
8	5131-66-8	2-Propanol, 1-butoxy-	5.11	0.26 J
9	526-73-8	Benzene, 1,2,3-trimethyl-	5.55	0.24 J
10		unknown	6.67	0.52 JB
11	629-50-5	Tridecane	8.98	0.26 J

Worksheet #: 145370

Total Tentatively Identified Concentration 170

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: AC50199-006
Client Id: PI-01-TP-RAU3030510SO1
Data File: 9M23729.D
Analysis Date: 03/12/10 20:13
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.097	U
122-66-7	1,2-Diphenylhydrazine	0.097	U
95-95-4	2,4,5-Trichlorophenol	0.097	U
88-06-2	2,4,6-Trichlorophenol	0.097	U
120-83-2	2,4-Dichlorophenol	0.097	U
105-67-9	2,4-Dimethylphenol	0.097	U
51-28-5	2,4-Dinitrophenol	0.48	U
121-14-2	2,4-Dinitrotoluene	0.097	U
606-20-2	2,6-Dinitrotoluene	0.097	U
91-58-7	2-Chloronaphthalene	0.097	U
95-57-8	2-Chlorophenol	0.097	U
91-57-6	**2-Methylnaphthalene**	**0.097**	**0.27**
95-48-7	2-Methylphenol	0.097	U
88-74-4	2-Nitroaniline	0.097	U
88-75-5	2-Nitrophenol	0.097	U
106-44-5	3&4-Methylphenol	0.097	U
91-94-1	3,3'-Dichlorobenzidine	0.097	U
99-09-2	3-Nitroaniline	0.097	U
534-52-1	4,6-Dinitro-2-methylphenol	0.48	U
101-55-3	4-Bromophenyl-phenylether	0.097	U
59-50-7	4-Chloro-3-methylphenol	0.097	U
106-47-8	4-Chloroaniline	0.097	U
7005-72-3	4-Chlorophenyl-phenylether	0.097	U
100-01-6	4-Nitroaniline	0.097	U
100-02-7	4-Nitrophenol	0.097	U
83-32-9	Acenaphthene	0.097	U
208-96-8	Acenaphthylene	0.097	U
62-53-3	Aniline	0.097	U
120-12-7	Anthracene	0.097	U
92-87-5	Benzidine	0.48	U
56-55-3	Benzo[a]anthracene	0.097	U
50-32-8	Benzo[a]pyrene	0.097	U
205-99-2	Benzo[b]fluoranthene	0.097	U
191-24-2	Benzo[g,h,i]perylene	0.097	U
207-08-9	Benzo[k]fluoranthene	0.097	U
65-85-0	Benzoic Acid	0.48	U
111-91-1	bis(2-Chloroethoxy)methan	0.097	U
111-44-4	bis(2-Chloroethyl)ether	0.097	U
108-60-1	bis(2-chloroisopropyl)ether	0.097	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.097	U
85-68-7	Butylbenzylphthalate	0.097	U
86-74-8	Carbazole	0.097	U
218-01-9	**Chrysene**	**0.097**	**0.14**
53-70-3	Dibenzo[a,h]anthracene	0.097	U
132-64-9	Dibenzofuran	0.097	U
84-66-2	Diethylphthalate	0.097	U
131-11-3	Dimethylphthalate	0.097	U
84-74-2	Di-n-butylphthalate	0.097	U
117-84-0	Di-n-octylphthalate	0.097	U
206-44-0	Fluoranthene	0.097	U
86-73-7	Fluorene	0.097	U
118-74-1	Hexachlorobenzene	0.097	U
87-68-3	Hexachlorobutadiene	0.097	U
77-47-4	Hexachlorocyclopentadiene	0.48	U
67-72-1	Hexachloroethane	0.097	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.097	U
78-59-1	Isophorone	0.097	U
91-20-3	**Naphthalene**	**0.097**	**0.20**
98-95-3	Nitrobenzene	0.097	U
62-75-9	N-Nitrosodimethylamine	0.097	U
621-64-7	N-Nitroso-di-n-propylamine	0.097	U
86-30-6	n-Nitrosodiphenylamine	0.097	U
87-86-5	Pentachlorophenol	0.48	U
85-01-8	**Phenanthrene**	**0.097**	**0.20**
108-95-2	Phenol	0.097	U
129-00-0	**Pyrene**	**0.097**	**0.15**

Worksheet #: 145846

Total Target Concentration 0.96

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: AC50199-006
Client Id: PI-01-TP-RAU3030510
Data File: 9M23729.D
Analysis Date: 03/12/10 20:13
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 69
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.55	1.2 JAB
2		unknown	3.12	1.3 JB
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.56	300 JAB
4		unknown	4.25	0.62 JB
5	3944-37-4	1-Propanol, 2-isopropoxy-	4.48	0.26 J
6	95-63-6	Benzene, 1,2,4-trimethyl-	4.93	0.26 J
7	5911-04-6	Nonane, 3-methyl-	6.45	0.25 J
8	90-12-0	Naphthalene, 1-methyl-	6.71	0.27 J
9	575-41-7	Naphthalene, 1,3-dimethyl-	7.17	0.23 J
10	13703-52-1	Benzene, (1,4-cyclohexadien-1-yl)-	7.19	0.26 J
11	571-58-4	Naphthalene, 1,4-dimethyl-	7.27	0.27 J
12	829-26-5	Naphthalene, 2,3,6-trimethyl-	7.78	0.28 J
13	3218-36-8	[1,1'-Biphenyl]-4-carboxaldehyde	8.06	0.23 J
14	1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	8.28	0.60 J
15		unknown	8.57	0.32 J
16	629-59-4	Tetradecane	8.72	0.22 J
17	629-92-5	Nonadecane	9.18	0.25 J
18	87221-28-1	(E)-6-Ethylidene-6H-dibenzo[b,d]thiopyr	9.34	0.25 J
19	613-12-7	Anthracene, 2-methyl-	9.37	0.35 J
20	613-12-7	Anthracene, 2-methyl-	9.45	0.25 J
21	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.96	0.31 J
22		unknown	10.77	0.28 J
23		unknown	10.89	0.23 J
24	544-76-3	Hexadecane	11.35	0.25 J
25	629-62-9	Pentadecane	11.75	0.32 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 310

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: AC50199-007(2X)
Client Id: PI-01-TP-RAS2030510SO1
Data File: 9M23730.D
Analysis Date: 03/12/10 20:36
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.17	U	191-24-2	Benzo[g,h,i]perylene	0.17	U
122-66-7	1,2-Diphenylhydrazine	0.17	U	207-08-9	Benzo[k]fluoranthene	0.17	U
95-95-4	2,4,5-Trichlorophenol	0.17	U	65-85-0	Benzoic Acid	0.87	U
88-06-2	2,4,6-Trichlorophenol	0.17	U	111-91-1	bis(2-Chloroethoxy)methan	0.17	U
120-83-2	2,4-Dichlorophenol	0.17	U	111-44-4	bis(2-Chloroethyl)ether	0.17	U
105-67-9	2,4-Dimethylphenol	0.17	U	108-60-1	bis(2-chloroisopropyl)ether	0.17	U
51-28-5	2,4-Dinitrophenol	0.87	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.17	U
121-14-2	2,4-Dinitrotoluene	0.17	U	85-68-7	Butylbenzylphthalate	0.17	U
606-20-2	2,6-Dinitrotoluene	0.17	U	86-74-8	Carbazole	0.17	U
91-58-7	2-Chloronaphthalene	0.17	U	**218-01-9**	**Chrysene**	**0.17**	**0.33**
95-57-8	2-Chlorophenol	0.17	U	53-70-3	Dibenzo[a,h]anthracene	0.17	U
91-57-6	**2-Methylnaphthalene**	**0.17**	**0.88**	132-64-9	Dibenzofuran	0.17	U
95-48-7	2-Methylphenol	0.17	U	84-66-2	Diethylphthalate	0.17	U
88-74-4	2-Nitroaniline	0.17	U	131-11-3	Dimethylphthalate	0.17	U
88-75-5	2-Nitrophenol	0.17	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.17	U	117-84-0	Di-n-octylphthalate	0.17	U
91-94-1	3,3'-Dichlorobenzidine	0.17	U	**206-44-0**	**Fluoranthene**	**0.17**	**0.20**
99-09-2	3-Nitroaniline	0.17	U	**86-73-7**	**Fluorene**	**0.17**	**0.32**
534-52-1	4,6-Dinitro-2-methylphenol	0.87	U	118-74-1	Hexachlorobenzene	0.17	U
101-55-3	4-Bromophenyl-phenylether	0.17	U	87-68-3	Hexachlorobutadiene	0.17	U
59-50-7	4-Chloro-3-methylphenol	0.17	U	77-47-4	Hexachlorocyclopentadiene	0.87	U
106-47-8	4-Chloroaniline	0.17	U	67-72-1	Hexachloroethane	0.17	U
7005-72-3	4-Chlorophenyl-phenylether	0.17	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.17	U
100-01-6	4-Nitroaniline	0.17	U	78-59-1	Isophorone	0.17	U
100-02-7	4-Nitrophenol	0.17	U	91-20-3	Naphthalene	0.17	U
83-32-9	**Acenaphthene**	**0.17**	**0.21**	98-95-3	Nitrobenzene	0.17	U
208-96-8	Acenaphthylene	0.17	U	62-75-9	N-Nitrosodimethylamine	0.17	U
62-53-3	Aniline	0.17	U	621-64-7	N-Nitroso-di-n-propylamine	0.17	U
120-12-7	**Anthracene**	**0.17**	**0.28**	86-30-6	n-Nitrosodiphenylamine	0.17	U
92-87-5	Benzidine	0.87	U	87-86-5	Pentachlorophenol	0.87	U
56-55-3	**Benzo[a]anthracene**	**0.17**	**0.23**	**85-01-8**	**Phenanthrene**	**0.17**	**1.1**
50-32-8	**Benzo[a]pyrene**	**0.17**	**0.18**	108-95-2	Phenol	0.17	U
205-99-2	Benzo[b]fluoranthene	0.17	U	**129-00-0**	**Pyrene**	**0.17**	**0.95**

Worksheet #: 145846

Total Target Concentration 4.7

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: AC50199-007(2X)
Client Id: PI-01-TP-RAS2030510
Data File: 9M23730.D
Analysis Date: 03/12/10 20:36
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 77
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.56	1.1 JAB
2		unknown	2.99	1.4 J B 143.23.10
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.48	280 JAB
4	90-12-0	Naphthalene, 1-methyl-	6.71	1.6 J
5	1127-76-0	Naphthalene, 1-ethyl-	7.06	1.1 J
6	581-42-0	Naphthalene, 2,6-dimethyl-	7.12	1.6 J
7	569-41-5	Naphthalene, 1,8-dimethyl-	7.17	1.9 J
8	582-16-1	Naphthalene, 2,7-dimethyl-	7.19	1.3 J
9	575-41-7	Naphthalene, 1,3-dimethyl-	7.27	0.93 J
10	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.53	1.4 J
11	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	1.3 J
12	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.71	0.81 J
13	2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.79	1.0 J
14	1430-97-3	9H-Fluorene, 2-methyl-	8.42	0.77 J
15	7372-88-5	Dibenzothiophene, 4-methyl-	9.15	0.79 J
16	832-64-4	Phenanthrene, 4-methyl-	9.34	1.0 J
17	613-12-7	Anthracene, 2-methyl-	9.37	1.3 J
18	832-64-4	Phenanthrene, 4-methyl-	9.46	1.2 J
19		unknown	9.84	2.1 J
20	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.88	1.7 J
21	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.96	1.6 J
22		unknown	10.20	0.80 J
23	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	0.76 J
24	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	1.1 J
25		unknown	10.77	0.93 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 310

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 #: 0030558

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC50199-001	PI-01-TP-RAS103	Soil	**1**	**74**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-002	PI-01-TP-RAS303	Soil	**1**	**56**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-003	PI-01-TP-RAS403	Soil	**1**	**74**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-004	PI-01-TP-RAU103	Soil	**1**	**63**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-005	PI-01-TP-RAU203	Soil	**1**	**72**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-006	PI-01-TP-RAU303	Soil	**1**	**69**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-007	PI-01-TP-RAS203	Soil	**1**	**77**	**Percent**			03/08/10	03/05/10	03/05/10

Chain of Custody Forms

Veritech/Division of Hampton-Clarke

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

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

CHAIN OF CUSTODY RECORD

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

Project#(Lab Use Only) 0030558

Customer Information

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

Project Information

2a) Project: Port Ivory Site 1 RA
2b) Project Manager: Rob Trepp
2c) Location (City/State): Staten Island, NY
2d) Quote#/PO# (If Applicable):

3) Reporting Requirements(please circle)

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

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

FOR LAB USE ONLY
Batch# AC50199

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

Lab Sample#	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite(C)	Grab(G)	TCL VOCs+10	TCL SVOCs+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-RAS1030410S01	S	3/4/10	9AM		✓	✓	✓									2	RS							
-002	PI-01-TP-RAS3030410S01	S	3/4/10	11AM		✓	✓	✓																	
-003	PI-01-TP-RAS4030410S01	S	3/4/10	1PM		✓	✓	✓																	
-004	PI-01-TP-RAU1030510S01	S	3/5/10	1pm		✓	✓	✓																	
-005	PI-01-TP-RAU2030510S01	S	3/5/10	1pm		✓	✓	✓																	
-006	PI-01-TP-RAU3030510S01	S	3/5/10	1pm		✓	✓	✓																	
-007	PI-01-TP-RAS2030510S01	S	3/5/10	9Am		✓	✓	✓																	

10) Relinquished By:	Accepted By	Date	Time
R Trepp	[illegible]	3/5/10	1545
[illegible]	[illegible]	03/05/10	1710

Comments, Notes, Special Requirements, HAZARDS

* Port Authority pricing
* NYS Cat B deliverables
* Standard T.A.T

11) Sampler: R Trepp Date: 3/5/10

Cooler Tmp 3.4

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 AC50199 | Entered By: ricardo
Date Entered 3/5/2010 7:16:00 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) 3.4C
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	NA	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
AC50199-001	03/05/10 17:10	RICAR	0	M	Received
AC50199-001	03/05/10 19:16	RICAR	0	M	Login
AC50199-001	03/08/10 11:15	R21	1	A	NONE
AC50199-001	03/08/10 13:05	SG	1	A	VOA
AC50199-001	03/08/10 13:47	R21	1	A	NONE
AC50199-001	03/09/10 11:59	SG	1	A	VOA
AC50199-001	03/09/10 12:13	R21	1	A	NONE
AC50199-001	03/10/10 09:28	WP	1	A	VOA
AC50199-001	03/10/10 10:09	R21	1	A	NONE
AC50199-001	03/05/10 19:23	R12	2	A	NONE
AC50199-001	03/08/10 07:11	PA	2	A	mixing
AC50199-001	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-001	03/08/10 14:34	R12	2	A	NONE
AC50199-001	03/10/10 09:25	RAK	2	A	BN
AC50199-001	03/10/10 11:07	R12	2	A	NONE
AC50199-001	03/08/10 13:46	SG	3	A	VOA
AC50199-001	03/08/10 13:47	R21	3	A	NONE
AC50199-001	03/09/10 08:44	R21	3	A	NONE
AC50199-001	03/09/10 08:44	SG	3	A	VOA
AC50199-001	03/10/10 08:58	R21	4	A	NONE
AC50199-002	03/05/10 17:10	RICAR	0	M	Received
AC50199-002	03/05/10 19:16	RICAR	0	M	Login
AC50199-002	03/08/10 11:15	R21	1	A	NONE
AC50199-002	03/08/10 13:05	SG	1	A	VOA
AC50199-002	03/08/10 13:47	R21	1	A	NONE
AC50199-002	03/09/10 11:59	SG	1	A	VOA
AC50199-002	03/09/10 12:13	R21	1	A	NONE
AC50199-002	03/05/10 19:23	R12	2	A	NONE
AC50199-002	03/08/10 07:11	PA	2	A	mixing
AC50199-002	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-002	03/08/10 14:34	R12	2	A	NONE
AC50199-002	03/10/10 09:25	RAK	2	A	BN
AC50199-002	03/10/10 11:07	R12	2	A	NONE
AC50199-002	03/08/10 13:46	SG	3	A	VOA
AC50199-002	03/08/10 13:47	R21	3	A	NONE
AC50199-002	03/09/10 08:44	SG	3	A	VOA
AC50199-002	03/09/10 08:44	R21	3	A	NONE
AC50199-003	03/05/10 17:10	RICAR	0	M	Received
AC50199-003	03/05/10 19:16	RICAR	0	M	Login
AC50199-003	03/08/10 11:15	R21	1	A	NONE
AC50199-003	03/08/10 13:05	SG	1	A	VOA
AC50199-003	03/08/10 13:47	R21	1	A	NONE
AC50199-003	03/09/10 11:59	SG	1	A	VOA
AC50199-003	03/09/10 12:13	R21	1	A	NONE
AC50199-003	03/10/10 09:28	WP	1	A	VOA
AC50199-003	03/10/10 10:09	R21	1	A	NONE
AC50199-003	03/11/10 08:49	SG	1	A	VOA
AC50199-003	03/11/10 08:58	R21	1	A	NONE
AC50199-003	03/05/10 19:23	R12	2	A	NONE
AC50199-003	03/08/10 07:11	PA	2	A	mixing
AC50199-003	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-003	03/08/10 14:34	R12	2	A	NONE
AC50199-003	03/10/10 09:25	RAK	2	A	BN
AC50199-003	03/10/10 11:07	R12	2	A	NONE
AC50199-003	03/08/10 13:46	SG	3	A	VOA
AC50199-003	03/08/10 13:47	R21	3	A	NONE
AC50199-003	03/09/10 08:44	R21	3	A	NONE
AC50199-003	03/09/10 08:44	SG	3	A	VOA
AC50199-003	03/10/10 08:58	R21	4	A	NONE
AC50199-004	03/05/10 17:10	RICAR	0	M	Received
AC50199-004	03/05/10 19:16	RICAR	0	M	Login
AC50199-004	03/08/10 11:15	R21	1	A	NONE
AC50199-004	03/08/10 13:05	SG	1	A	VOA
AC50199-004	03/08/10 13:47	R21	1	A	NONE
AC50199-004	03/09/10 11:59	SG	1	A	VOA
AC50199-004	03/09/10 12:13	R21	1	A	NONE
AC50199-004	03/05/10 19:23	R12	2	A	NONE
AC50199-004	03/08/10 07:11	PA	2	A	mixing
AC50199-004	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-004	03/08/10 14:34	R12	2	A	NONE
AC50199-004	03/12/10 09:08	RAK	2	A	BN
AC50199-004	03/12/10 15:41	R12	2	A	NONE
AC50199-004	03/08/10 13:46	SG	3	A	VOA
AC50199-004	03/08/10 13:47	R21	3	A	NONE
AC50199-004	03/09/10 08:44	SG	3	A	VOA
AC50199-004	03/09/10 08:44	R21	3	A	NONE
AC50199-005	03/05/10 17:10	RICAR	0	M	Received
AC50199-005	03/05/10 19:16	RICAR	0	M	Login
AC50199-005	03/08/10 11:15	R21	1	A	NONE
AC50199-005	03/08/10 13:05	SG	1	A	VOA
AC50199-005	03/08/10 13:47	R21	1	A	NONE
AC50199-005	03/09/10 11:59	SG	1	A	VOA
AC50199-005	03/09/10 12:13	R21	1	A	NONE
AC50199-005	03/10/10 09:28	WP	1	A	VOA
AC50199-005	03/10/10 10:09	R21	1	A	NONE
AC50199-005	03/05/10 19:23	R12	2	A	NONE
AC50199-005	03/08/10 07:11	PA	2	A	mixing
AC50199-005	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-005	03/08/10 14:34	R12	2	A	NONE
AC50199-005	03/12/10 09:08	RAK	2	A	BN
AC50199-005	03/12/10 15:41	R12	2	A	NONE
AC50199-005	03/08/10 13:46	SG	3	A	VOA
AC50199-005	03/08/10 13:47	R21	3	A	NONE
AC50199-005	03/09/10 08:44	R21	3	A	NONE
AC50199-005	03/09/10 08:44	SG	3	A	VOA
AC50199-006	03/05/10 17:10	RICAR	0	M	Received
AC50199-006	03/05/10 19:16	RICAR	0	M	Login
AC50199-006	03/08/10 11:15	R21	1	A	NONE
AC50199-006	03/08/10 13:05	SG	1	A	VOA
AC50199-006	03/08/10 13:47	R21	1	A	NONE
AC50199-006	03/09/10 11:59	SG	1	A	VOA
AC50199-006	03/09/10 12:33	R21	1	A	NONE
AC50199-006	03/10/10 09:28	WP	1	A	VOA
AC50199-006	03/10/10 10:09	R21	1	A	NONE
AC50199-006	03/05/10 19:23	R12	2	A	NONE
AC50199-006	03/08/10 07:11	PA	2	A	mixing
AC50199-006	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-006	03/08/10 14:34	R12	2	A	NONE
AC50199-006	03/12/10 09:08	RAK	2	A	BN
AC50199-006	03/12/10 15:41	R12	2	A	NONE
AC50199-006	03/08/10 13:46	SG	3	A	VOA
AC50199-006	03/08/10 13:47	R21	3	A	NONE
AC50199-006	03/09/10 08:44	SG	3	A	VOA
AC50199-006	03/09/10 08:44	R21	3	A	NONE
AC50199-007	03/05/10 17:10	RICAR	0	M	Received
AC50199-007	03/05/10 19:16	RICAR	0	M	Login
AC50199-007	03/08/10 11:15	R21	1	A	NONE
AC50199-007	03/08/10 13:05	SG	1	A	VOA
AC50199-007	03/08/10 13:47	R21	1	A	NONE
AC50199-007	03/09/10 11:59	SG	1	A	VOA
AC50199-007	03/09/10 12:33	R21	1	A	NONE
AC50199-007	03/10/10 09:28	WP	1	A	VOA
AC50199-007	03/10/10 10:09	R21	1	A	NONE
AC50199-007	03/05/10 19:23	R12	2	A	NONE
AC50199-007	03/08/10 07:11	PA	2	A	mixing
AC50199-007	03/08/10 14:03	BCT	2	M	%SOLIDS
AC50199-007	03/08/10 14:34	R12	2	A	NONE
AC50199-007	03/12/10 09:08	RAK	2	A	BN
AC50199-007	03/12/10 15:41	R12	2	A	NONE
AC50199-007	03/08/10 13:46	SG	3	A	VOA
AC50199-007	03/08/10 13:47	R21	3	A	NONE
AC50199-007	03/09/10 08:44	SG	3	A	VOA
AC50199-007	03/09/10 08:44	R21	3	A	NONE
AC50199-007	03/10/10 08:58	R21	4	A	NONE

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/Tim	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M54899.D	DAILY BLANK	Soil	03/09/10 14:27	1		104	107	87	95		
1M54927.D	DAILY BLANK	Soil	03/10/10 07:55	1		108	109	89	90		
1M54976.D	DAILY BLANK	Soil	03/11/10 08:16	1		104	104	92	93		
1M54945.D	AC50199-001	Soil	03/10/10 12:54	1		100	106	96	97		
1M54914.D	AC50199-002	Soil	03/09/10 18:30	1		103	104	89	97		
1M54949.D	AC50199-003(	Soil	03/10/10 13:58	1		102	105	110	55 *		
1M54988.D	AC50199-003(	Soil	03/11/10 11:35	1		100	111	113	49 *		
1M54915.D	AC50199-004	Soil	03/09/10 18:46	1		104	109	91	97		
1M54943.D	AC50199-005	Soil	03/10/10 12:21	1		106	106	91	94		
1M54944.D	AC50199-006	Soil	03/10/10 12:38	1		105	115	88	98		
1M54947.D	AC50199-007	Soil	03/10/10 13:26	1		99	106	99	101		
1M54900.D	MBS15228	Soil	03/09/10 14:43	1		103	100	95	97		
1M54930.D	MBS15235	Soil	03/10/10 08:51	1		105	105	94	95		
1M54957.D	MBS15244	Soil	03/10/10 16:27	1		106	112	98	96		
1M54964.D	AC50199-005(	Soil	03/10/10 18:20	1		102	106	102	98		
1M54965.D	AC50199-005(	Soil	03/10/10 18:36	1		100	107	98	99		
1M54977.D	MBS15251	Soil	03/11/10 08:37	1		106	101	99	97		
1M54987.D	MBS15256	Soil	03/11/10 11:19	1		100	108	96	100		
1M55005.D	MBS15259	Soil	03/11/10 16:10	1		105	111	95	95		

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

					1M54900.D			1M54930.D			1M54977.D			1M54987.D			1M55005.D		
				Data/Batch/Sample ID:==>	MBS15228-So			MBS15235-So			MBS15251-So			MBS15256-So			MBS15259-So		
				Date/Time:==>	03/09/10 14:43			03/10/10 08:51			03/11/10 08:37			03/11/10 11:19			03/11/10 16:10		
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	42.39	50	85	34.14	50	68	42.06	50	84	42.23	50	84	39.63	50	79
1,1-Dichloroethene	8-114		1	0	33.87	50	68	28.26	50	57	34.63	50	69	33.23	50	66	31.63	50	63
1,2-Dichlorobenzen	19-113		1	0	41.66	50	83	30.88	50	62	37.68	50	75	38.53	50	77	36.08	50	72
1,2-Dichloroethane	18-130		1	0	46.21	50	92	36.52	50	73	42.82	50	86	44.61	50	89	43	50	86
1,4-Dichlorobenzen	20-110		1	0	40.46	50	81	30.65	50	61	37.84	50	76	39.97	50	80	34.7	50	69
2-Butanone	4-141		1	0	46.02	50	92	32.76	50	66	42.97	50	86	53.48	50	107	43.7	50	87
Benzene	21-122		1	0	53.88	50	108	42.93	50	86	51.63	50	103	53.71	50	107	50.68	50	101
Carbon Tetrachlorid	19-122		1	0	46.58	50	93	40.46	50	81	45.71	50	91	44.4	50	89	44.86	50	90
Chlorobenzene	21-117		1	0	42.85	50	86	34.09	50	68	40.34	50	81	39.61	50	79	37.96	50	76
Chloroform	26-119		1	0	47.97	50	96	38.96	50	78	47.18	50	94	46.63	50	93	44.28	50	89
n-Propylbenzene	16-122		1	0	42.72	50	85	31.88	50	64	43.34	50	87	45.83	50	92	41.37	50	83
sec-Butylbenzene	9-125		1	0	45.35	50	91	33.41	50	67	44.79	50	90	46.17	50	92	42.64	50	85
Tetrachloroethene	18-116		1	0	41.75	50	83	34.67	50	69	40.43	50	81	38.02	50	76	36.6	50	73
Toluene	19-128		1	0	49.81	50	100	40.07	50	80	48.91	50	98	49.49	50	99	48.04	50	96
Trichloroethene	21-116		1	0	45.95	50	92	38.05	50	76	43.85	50	88	43.95	50	88	41.57	50	83
Vinyl Chloride	6-117		1	0	33.78	50	68	29.36	50	59	42.54	50	85	34.31	50	69	33.12	50	66

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

FORM 3
Spike Recovery

Batch Number: MBS15244
Mbs Name: MBS15244
Ns Name: AC50199-005
Ms Name: AC50199-005(MS)
Msd Name: AC50199-005(MSD

Mbs File: 1M54957.D
Non Spk'd File: 1M54943.D
Spike File: 1M54964.D
Spike Dup File: 1M54965.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 03/10/10 16:27
Non Spk'd Date: 03/10/10 12:21
Spike Date : 03/10/10 18:20
Spike Dup Date: 03/10/10 18:36

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	9	1	0	50	6	117	53	28.37	0.00	18.76	23.75	57	38	47	23
1,1-Dichloroethene	22	1	0	50	8	114	53	23.67	0.00	19.67	20.63	47	39	41	4.8
1,1-Dichloroethane	25	1	0	50	14	127	44	29.82	0.00	27.00	27.89	60	54	56	3.2
Chloroform	32	1	0	50	26	119	39	32.80	0.00	28.61	29.30	66	57	59	2.4
1,2-Dichloroethane	36	1	0	50	18	130	37	32.49	0.00	26.76	26.50	65	54	53	0.98
2-Butanone	37	1	0	50	4	141	59	33.66	0.00	31.22	37.53	67	62	75	18
Carbon Tetrachloride	39	1	0	50	19	122	40	32.45	0.00	28.27	30.00	65	57	60	5.9
Trichloroethene	45	1	0	50	21	116	39	30.02	0.00	22.31	23.61	60	45	47	5.7
Benzene	46	1	0	50	21	122	38	38.40	0.00	31.73	33.25	77	63	67	4.7
Tetrachloroethene	58	1	0	50	18	116	37	28.31	0.00	19.91	21.97	57	40	44	9.8
Toluene	60	1	0	50	19	128	35	37.34	0.00	28.40	29.51	75	57	59	3.8
Chlorobenzene	62	1	0	50	21	117	37	30.86	0.00	19.52	20.63	62	39	41	5.5
1,4-Dichlorobenzene	73	1	0	50	20	110	41	29.23	0.00	13.65	15.39	58	27	31	12
1,2-Dichlorobenzene	74	1	0	50	19	113	42	30.27	0.00	14.84	16.05	61	30	32	7.8
n-Propylbenzene	81	1	0	50	16	122	42	32.44	0.00	18.98	21.58	65	38	43	13
sec-Butylbenzene	86	1	0	50	9	125	48	33.21	0.00	17.29	20.89	66	35	42	19

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: 1M54899.D
Matrix: Soil

Blank Analysis Date: 03/09/10 14:27
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC50199-002	1M54914.D	03/09/10 18:30
AC50199-004	1M54915.D	03/09/10 18:46
MBS15228	1M54900.D	03/09/10 14:43

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M54927.D
Matrix: Soil

Blank Analysis Date: 03/10/10 07:55
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC50199-001	1M54945.D	03/10/10 12:54
AC50199-003(5X)	1M54949.D	03/10/10 13:58
AC50199-005	1M54943.D	03/10/10 12:21
AC50199-006	1M54944.D	03/10/10 12:38
AC50199-007	1M54947.D	03/10/10 13:26
MBS15244	1M54957.D	03/10/10 16:27
AC50199-005(MS)	1M54964.D	03/10/10 18:20
AC50199-005(MSD	1M54965.D	03/10/10 18:36
MBS15235	1M54930.D	03/10/10 08:51

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M54976.D
Matrix: Soil

Blank Analysis Date: 03/11/10 08:16
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC50199-003(5X)	1M54988.D	03/11/10 11:35
MBS15251	1M54977.D	03/11/10 08:37
MBS15256	1M54987.D	03/11/10 11:19
MBS15259	1M55005.D	03/11/10 16:10

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54441.D
Analysis Date: 02/23/10 10:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.472 to 4.502 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.8	6923	PASS
75	95	30	60	48.6	15449	PASS
95	95	100	100	100.0	31811	PASS
96	95	5	9	8.2	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.5	24984	PASS
175	174	5	9	7.5	1873	PASS
176	174	95	101	97.5	24370	PASS
177	176	5	9	7.2	1744	PASS

Data File	Sample Number	Analysis Date:
1M54442.D	50 PPB	02/23/10 10:47
1M54443.D	BLK	02/23/10 11:04
1M54444.D	CAL @ 500 PPB	02/23/10 11:20
1M54445.D	CAL @ 250 PPB	02/23/10 11:36
1M54446.D	CAL @ 100 PPB	02/23/10 11:52
1M54447.D	CAL @ 50 PPB	02/23/10 12:08
1M54448.D	CAL @ 20 PPB	02/23/10 12:24
1M54449.D	CAL @ 10 PPB	02/23/10 12:41
1M54450.D	CAL @ 5 PPB	02/23/10 12:57
1M54451.D	BLK	02/23/10 13:13
1M54452.D	CAL @ 0.5 PPB	02/23/10 13:29
1M54453.D	CAL @ 1 PPB	02/23/10 13:45
1M54454.D	ICV	02/23/10 14:09
1M54455.D	STD	02/23/10 14:25
1M54456.D	BLK	02/23/10 14:41
1M54457.D	DAILY BLANK	02/23/10 14:57
1M54458.D	BLK	02/23/10 15:13
1M54459.D	MBS15066	02/23/10 15:29
1M54460.D	AC49929-002(MS)	02/23/10 15:46
1M54461.D	AC49929-002(MSD	02/23/10 16:02
1M54462.D	BLK	02/23/10 16:18
1M54463.D	AC49962-001	02/23/10 16:36
1M54464.D	AC49962-002	02/23/10 16:52
1M54465.D	AC49962-003	02/23/10 17:08
1M54466.D	AC49962-004	02/23/10 17:24
1M54467.D	AC49962-005	02/23/10 17:41
1M54468.D	AC49962-006	02/23/10 17:57
1M54469.D	AC49962-007	02/23/10 18:13
1M54470.D	AC49961-001	02/23/10 18:29
1M54471.D	AC49961-002	02/23/10 18:45
1M54472.D	AC49961-003	02/23/10 19:01
1M54473.D	AC49961-004	02/23/10 19:17
1M54474.D	BLK	02/23/10 19:33
1M54475.D	BLK	02/23/10 19:49

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54896.D
Analysis Date: 03/09/10 13:33
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.534 to 4.553 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.6	6491	PASS
75	95	30	60	50.5	15193	PASS
95	95	100	100	100.0	30104	PASS
96	95	5	9	8.0	2421	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	24445	PASS
175	174	5	9	7.6	1849	PASS
176	174	95	101	98.4	24053	PASS
177	176	5	9	7.9	1900	PASS

Data File	Sample Number	Analysis Date:
1M54897.D	CAL @ 50 PPB	03/09/10 13:49
1M54898.D	BLK	03/09/10 14:11
1M54899.D	DAILY BLANK	03/09/10 14:27
1M54900.D	MBS15228	03/09/10 14:43
1M54901.D	BLK	03/09/10 15:00
1M54902.D	AC50117-038	03/09/10 15:16
1M54903.D	AC50117-037	03/09/10 15:32
1M54904.D	AC50117-027	03/09/10 15:48
1M54905.D	AC50117-044	03/09/10 16:04
1M54906.D	AC50117-043	03/09/10 16:20
1M54907.D	AC50117-045	03/09/10 16:37
1M54908.D	AC50117-042	03/09/10 16:53
1M54909.D	AC50117-029	03/09/10 17:09
1M54910.D	AC50133-003	03/09/10 17:25
1M54911.D	AC50133-002	03/09/10 17:42
1M54912.D	AC50117-040	03/09/10 17:58
1M54913.D	AC50117-041	03/09/10 18:14
1M54914.D	AC50199-002	03/09/10 18:30
1M54915.D	AC50199-004	03/09/10 18:46
1M54916.D	AC50199-005	03/09/10 19:02
1M54917.D	AC50199-006	03/09/10 19:18
1M54918.D	BLK	03/09/10 19:35
1M54919.D	BLK	03/09/10 19:51
1M54920.D	AC50217-001	03/09/10 20:07
1M54921.D	AC50217-001(MS)	03/09/10 20:23
1M54922.D	AC50217-001(MSD	03/09/10 20:39

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54924.D
Analysis Date: 03/10/10 06:41
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.447 to 4.487 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	10967	PASS
75	95	30	60	49.9	25439	PASS
95	95	100	100	100.0	51029	PASS
96	95	5	9	7.7	3923	PASS
173	174	0.00	2	0.3	122	PASS
174	95	50	100	79.4	40514	PASS
175	174	5	9	7.6	3071	PASS
176	174	95	101	98.0	39707	PASS
177	176	5	9	7.2	2858	PASS

Data File	Sample Number	Analysis Date:
1M54925.D	CAL @ 50 PPB	03/10/10 07:13
1M54926.D	BLK	03/10/10 07:39
1M54927.D	DAILY BLANK	03/10/10 07:55
1M54928.D	BLK	03/10/10 08:18
1M54929.D	AC50117-043	03/10/10 08:35
1M54930.D	MBS15235	03/10/10 08:51
1M54931.D	BLK	03/10/10 09:07
1M54932.D	AC50229-001	03/10/10 09:24
1M54933.D	BLK	03/10/10 09:40
1M54934.D	AC50133-001	03/10/10 09:56
1M54935.D	AC50117-042	03/10/10 10:12
1M54936.D	AC50117-040	03/10/10 10:28
1M54937.D	AC50117-041	03/10/10 10:45
1M54938.D	AC50117-026	03/10/10 11:01
1M54939.D	AC50133-002	03/10/10 11:17
1M54940.D	AC50117-046	03/10/10 11:33
1M54941.D	AC50117-036	03/10/10 11:49
1M54942.D	AC50217-003	03/10/10 12:05
1M54943.D	AC50199-005	03/10/10 12:21
1M54944.D	AC50199-006	03/10/10 12:38
1M54945.D	AC50199-001	03/10/10 12:54
1M54946.D	AC50217-005	03/10/10 13:10
1M54947.D	AC50199-007	03/10/10 13:26
1M54948.D	AC50217-007	03/10/10 13:42
1M54949.D	AC50199-003(5X)	03/10/10 13:58
1M54950.D	AC50217-009	03/10/10 14:15
1M54951.D	AC50217-011	03/10/10 14:31
1M54952.D	BLK	03/10/10 14:43
1M54953.D	MBS15242	03/10/10 14:53
1M54954.D	MBS15243	03/10/10 15:36
1M54955.D	BLK	03/10/10 15:55
1M54956.D	BLK	03/10/10 16:11
1M54957.D	MBS15244	03/10/10 16:27
1M54958.D	AC50217-017	03/10/10 16:43
1M54959.D	AC50217-019	03/10/10 17:00
1M54960.D	AC50217-021	03/10/10 17:16
1M54961.D	AC50217-023	03/10/10 17:32
1M54962.D	AC50217-025	03/10/10 17:48
1M54963.D	AC50217-013	03/10/10 18:04
1M54964.D	AC50199-005(MS)	03/10/10 18:20
1M54965.D	AC50199-005(MSD	03/10/10 18:36
1M54966.D	AC50233-001	03/10/10 18:52
1M54967.D	BLK	03/10/10 19:08
1M54968.D	BLK	03/10/10 19:24
1M54969.D	BLK	03/10/10 19:41
1M54970.D	BLK	03/10/10 19:57

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54973.D
Analysis Date: 03/11/10 07:30
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.412 to 4.452 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.6	8034	PASS
75	95	30	60	50.7	17248	PASS
95	95	100	100	100.0	33994	PASS
96	95	5	9	7.8	2643	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.7	23345	PASS
175	174	5	9	8.1	1901	PASS
176	174	95	101	96.0	22417	PASS
177	176	5	9	7.9	1773	PASS

Data File	Sample Number	Analysis Date:
1M54974.D	CAL @ 50 PPB	03/11/10 07:40
1M54975.D	BLK	03/11/10 08:00
1M54976.D	DAILY BLANK	03/11/10 08:16
1M54977.D	MBS15251	03/11/10 08:37
1M54978.D	AC50217-015	03/11/10 08:53
1M54979.D	AC50176-004	03/11/10 09:09
1M54980.D	AC50176-003	03/11/10 09:26
1M54981.D	AC50176-001	03/11/10 09:42
1M54982.D	AC50165-007	03/11/10 09:58
1M54983.D	AC50165-003	03/11/10 10:14
1M54984.D	AC50165-009	03/11/10 10:30
1M54985.D	AC50165-004	03/11/10 10:46
1M54986.D	AC50199-003(5X)	03/11/10 11:03
1M54987.D	MBS15256	03/11/10 11:19
1M54988.D	AC50199-003(5X)	03/11/10 11:35
1M54989.D	AC50217-023(MS)	03/11/10 11:51
1M54990.D	AC50217-023(MSD	03/11/10 12:07
1M54991.D	AC50217-005	03/11/10 12:23
1M54992.D	AC50217-007	03/11/10 12:40
1M54993.D	AC50101-001	03/11/10 12:56
1M54994.D	AC50101-004	03/11/10 13:12
1M54995.D	AC50146-001	03/11/10 13:28
1M54996.D	AC50217-009	03/11/10 13:44
1M54997.D	BLK	03/11/10 14:00
1M54998.D	AC50155-008	03/11/10 14:17
1M54999.D	AC50155-007	03/11/10 14:33
1M55000.D	AC50155-006	03/11/10 14:49
1M55001.D	AC50155-005	03/11/10 15:05
1M55002.D	AC50155-004	03/11/10 15:21
1M55003.D	AC50155-003	03/11/10 15:37
1M55004.D	AC50155-002	03/11/10 15:54
1M55005.D	MBS15259	03/11/10 16:10
1M55006.D	AC50217-025(MS)	03/11/10 16:26
1M55007.D	AC50217-025(MSD	03/11/10 16:42
1M55008.D	BLK	03/11/10 16:58
1M55009.D	AC50155-007	03/11/10 17:14
1M55010.D	AC50101-004	03/11/10 17:30
1M55011.D	BLK	03/11/10 17:46
1M55012.D	AC50165-004	03/11/10 18:02
1M55013.D	BLK	03/11/10 18:18
1M55014.D	BLK	03/11/10 18:34
1M55015.D	BLK	03/11/10 18:51
1M55016.D	BLK	03/11/10 19:07

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M54448.D   Method: EPA 8260B

Analysis Date/Time: 02/23/10 12:24

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:	171085	4.61	125528	6.45	74734	7.87						
Eval File Area Limit:	85542-342170		62764-251056		37367-149468							
Eval File Rt Limit:	4.11-5.11		5.95-6.95		7.37-8.37							

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
1M54442.D	50 PPB	165789	4.61	126068	6.45	74391	7.87						
1M54443.D	BLK	155398	4.62	119860	6.45	66863	7.87						
1M54444.D	CAL @ 500 P	165816	4.62	124453	6.45	62415	7.87						
1M54445.D	CAL @ 250 P	170328	4.61	127708	6.45	69405	7.87						
1M54446.D	CAL @ 100 P	163642	4.62	122646	6.45	72160	7.87						
1M54447.D	CAL @ 50 PP	174638	4.62	131337	6.45	74780	7.87						
1M54448.D	CAL @ 20 PP	171085	4.61	125528	6.45	74734	7.87						
1M54449.D	CAL @ 10 PP	175599	4.62	129130	6.45	76437	7.87						
1M54450.D	CAL @ 5 PPE	173817	4.61	127337	6.45	76167	7.87						
1M54451.D	BLK	157001	4.62	119525	6.45	65873	7.87						
1M54452.D	CAL @ 0.5 P	165344	4.61	124287	6.45	70751	7.87						
1M54453.D	CAL @ 1 PPE	159490	4.61	123308	6.45	71915	7.87						
1M54454.D	ICV	165618	4.61	123343	6.45	72428	7.87						
1M54455.D	STD	161242	4.62	124551	6.45	73483	7.87						
1M54456.D	BLK	155998	4.62	120462	6.45	70253	7.88						
1M54457.D	DAILY BLANK	162701	4.62	126561	6.45	70334	7.87						
1M54458.D	BLK	153150	4.62	119236	6.45	67678	7.88						
1M54459.D	MBS15066	156160	4.62	120510	6.45	72324	7.87						
1M54460.D	AC49929-002	174579	4.61	121631	6.45	68871	7.87						
1M54461.D	AC49929-002	173596	4.62	126694	6.45	72553	7.87						
1M54462.D	BLK	155322	4.62	121065	6.45	66626	7.87						
1M54463.D	AC49962-001	147782	4.61	114002	6.45	62185	7.88						
1M54464.D	AC49962-002	157928	4.62	123113	6.45	66564	7.87						
1M54465.D	AC49962-003	155301	4.61	119402	6.45	66448	7.87						
1M54466.D	AC49962-004	147471	4.62	115279	6.46	61980	7.89						
1M54467.D	AC49962-005	161740	4.61	131875	6.45	73718	7.87						
1M54468.D	AC49962-006	145904	4.62	112492	6.45	61921	7.87						
1M54469.D	AC49962-007	152443	4.61	119505	6.45	64399	7.87						
1M54470.D	AC49961-001	143968	4.62	111956	6.45	59218	7.87						
1M54471.D	AC49961-002	153383	4.61	118809	6.45	63195	7.87						
1M54472.D	AC49961-003	139121	4.62	109292	6.45	58659	7.87						
1M54473.D	AC49961-004	145170	4.61	118451	6.45	63091	7.87						
1M54474.D	BLK	146963	4.62	116924	6.45	63660	7.87						
1M54475.D	BLK	145663	4.61	112663	6.45	62499	7.87						

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.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the 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.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M54897.D Method: EPA 8260B

Analysis Date/Time: 03/09/10 13:49

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:	234519	4.60	194814	6.44	118232	7.86						
Eval File Area Limit:	117260-469038		97407-389628		59116-236464							
Eval File Rt Limit:	4.1-5.1		5.94-6.94		7.36-8.360001							

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT
1M54898.D	BLK	219742	4.61	192187	6.44	113700	7.86
1M54899.D	DAILY BLANK	243033	4.60	212213	6.44	120511	7.87
1M54900.D	MBS15228	241478	4.60	199052	6.44	123603	7.87
1M54901.D	BLK	226331	4.61	195253	6.44	116578	7.86
1M54902.D	AC50117-038	209564	4.61	165221	6.45	74260	7.87
1M54903.D	AC50117-037	244401	4.60	208553	6.44	107595	7.86
1M54904.D	AC50117-027	229549	4.61	198809	6.44	104419	7.86
1M54905.D	AC50117-044	255271	4.61	196113	6.44	98181	7.87
1M54906.D	AC50117-043	223689	4.61	181770	6.44	91441	7.86
1M54907.D	AC50117-045	266798	4.61	219966	6.44	124551	7.86
1M54908.D	AC50117-042	246247	4.60	206616	6.44	107532	7.86
1M54909.D	AC50117-029	263572	4.60	205721	6.44	103752	7.86
1M54910.D	AC50133-003	245541	4.61	201883	6.44	112123	7.86
1M54911.D	AC50133-002	168517	4.60	122733	6.44	71870	7.87
1M54912.D	AC50117-040	243899	4.61	117614	6.44	56808 A	7.86
1M54913.D	AC50117-041	224695	4.60	162870	6.44	42402 A	7.86
1M54914.D	AC50199-002	234321	4.61	202255	6.44	112683	7.86
1M54915.D	AC50199-004	235031	4.60	211530	6.44	123971	7.86
1M54916.D	AC50199-005	244278	4.60	202602	6.44	110137	7.86
1M54917.D	AC50199-006	220430	4.61	187386	6.44	99406	7.86
1M54918.D	BLK	235722	4.60	210359	6.44	125989	7.86
1M54919.D	BLK	229287	4.61	201751	6.44	120846	7.86
1M54920.D	AC50217-001	225943	4.60	198459	6.44	114897	7.86
1M54921.D	AC50217-001	253635	4.61	210949	6.44	130643	7.86
1M54922.D	AC50217-001	243907	4.61	201362	6.44	123244	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: 1M54925.D Method: EPA 8260B

Analysis Date/Time: 03/10/10 07:13

Lab File ID: CAL @ 50 PPB

	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
Eval File Area/RT:	209838	4.61	172217	6.44	106806	7.86						
Eval File Area Limit:	104919-419676		86108-344434		53403-213612							
Eval File Rt Limit:	4.11-5.11		5.94-6.94		7.36-8.360001							

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT
1M54926.D	BLK	193561	4.60	166397	6.44	98748	7.86
1M54927.D	DAILY BLANK	197837	4.61	170036	6.44	99812	7.86
1M54928.D	BLK	203302	4.61	172282	6.44	97158	7.86
1M54929.D	AC50117-043	172071	4.60	124939	6.44	47475 A	7.86
1M54930.D	MBS15235	230325	4.61	185729	6.44	115735	7.86
1M54931.D	BLK	195417	4.60	160341	6.44	92193	7.86
1M54932.D	AC50229-001	217202	4.61	186090	6.44	108572	7.86
1M54933.D	BLK	208877	4.61	175733	6.44	102819	7.87
1M54934.D	AC50133-001	204132	4.61	166074	6.44	82343	7.86
1M54935.D	AC50117-042	217505	4.61	176727	6.44	93781	7.86
1M54936.D	AC50117-040	225874	4.61	172181	6.44	84940	7.86
1M54937.D	AC50117-041	204106	4.61	134260	6.44	56220	7.86
1M54938.D	AC50117-026	156037	4.61	167386	6.44	85300	7.86
1M54939.D	AC50133-002	235171	4.61	186165	6.44	106787	7.86
1M54940.D	AC50117-046	163803	4.60	172928	6.44	85777	7.86
1M54941.D	AC50117-036	212318	4.60	197756	6.44	122798	7.86
1M54942.D	AC50217-003	220451	4.61	195294	6.44	116757	7.86
1M54943.D	AC50199-005	219262	4.60	184777	6.44	98355	7.86
1M54944.D	AC50199-006	230550	4.61	196670	6.44	107574	7.86
1M54945.D	AC50199-001	244538	4.61	199196	6.44	105404	7.86
1M54946.D	AC50217-005	259246	4.60	221058	6.44	121865	7.86
1M54947.D	AC50199-007	242741	4.61	184522	6.44	89535	7.86
1M54948.D	AC50217-007	254690	4.60	217159	6.44	130050	7.86
1M54949.D	AC50199-003	221701	4.61	148437	6.44	109811	7.86
1M54950.D	AC50217-009	219266	4.61	190923	6.44	111799	7.86
1M54951.D	AC50217-011	232737	4.60	213275	6.44	121756	7.86
1M54952.D	BLK	17286 A	4.46	0 A	0.00 R	0 A	0.00 R
1M54953.D	MBS15242	232228	4.60	198987	6.44	68393	7.86
1M54954.D	MBS15243	241069	4.61	207961	6.44	125240	7.86
1M54955.D	BLK	149124	4.61	121545	6.44	70988	7.86
1M54956.D	BLK	146051	4.61	118846	6.44	69025	7.86
1M54957.D	MBS15244	178804	4.60	136786	6.44	78074	7.86
1M54958.D	AC50217-017	155364	4.61	127561	6.44	70686	7.86
1M54959.D	AC50217-019	141676	4.61	116513	6.44	66899	7.86
1M54960.D	AC50217-021	129655	4.61	104755	6.44	58218	7.86
1M54961.D	AC50217-023	154419	4.61	123515	6.44	69106	7.86
1M54962.D	AC50217-025	156332	4.61	127724	6.44	71430	7.86
1M54963.D	AC50217-013	163196	4.60	132452	6.44	73584	7.86
1M54964.D	AC50199-005	171577	4.61	131391	6.44	75858	7.86
1M54965.D	AC50199-005	171061	4.60	132543	6.44	75009	7.86
1M54966.D	AC50233-001	160810	4.61	131428	6.44	71826	7.86
1M54967.D	BLK	148823	4.60	119643	6.44	65055	7.86
1M54968.D	BLK	152733	4.61	126671	6.44	73768	7.86
1M54969.D	BLK	151124	4.61	124879	6.44	68990	7.86
1M54970.D	BLK	140201	4.61	113270	6.44	62056	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: 1M54974.D   Method: EPA 8260B

Analysis Date/Time: 03/11/10 07:40

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:	136850	4.61	104251	6.44	60622	7.86						
Eval File Area Limit:	68425-273700		52126-208502		30311-121244							
Eval File Rt Limit:	4.11-5.11		5.94-6.94		7.36-8.360001							

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT
1M54975.D	BLK	153126	4.61	123779	6.44	68104	7.86
1M54976.D	DAILY BLANK	148317	4.61	118974	6.44	68105	7.86
1M54977.D	MBS15251	159452	4.60	123216	6.44	71605	7.86
1M54978.D	AC50217-015	143574	4.61	111218	6.44	64191	7.86
1M54979.D	AC50176-004	140452	4.61	111299	6.44	60269	7.86
1M54980.D	AC50176-003	153008	4.61	123407	6.43	67925	7.86
1M54981.D	AC50176-001	139816	4.60	104237	6.44	48686	7.86
1M54982.D	AC50165-007	149963	4.61	125684	6.43	70861	7.86
1M54983.D	AC50165-003	148304	4.61	126050	6.43	62824	7.86
1M54984.D	AC50165-009	156865	4.60	112349	6.44	59242	7.86
1M54985.D	AC50165-004	121785	4.69	41772 A	6.44	13128 A	7.86
1M54986.D	AC50199-003	134104	4.61	84921	6.43	33809	7.83
1M54987.D	MBS15256	148563	4.61	121275	6.44	66162	7.86
1M54988.D	AC50199-003	136520	4.61	87710	6.44	69116	7.86
1M54989.D	AC50217-023	156272	4.60	124393	6.44	64931	7.86
1M54990.D	AC50217-023	157718	4.61	127089	6.43	71210	7.86
1M54991.D	AC50217-005	148675	4.61	128548	6.43	71268	7.86
1M54992.D	AC50217-007	153540	4.60	128937	6.44	73289	7.86
1M54993.D	AC50101-001	154526	4.61	111909	6.44	48212	7.86
1M54994.D	AC50101-004	168618	4.61	122417	6.44	49013	7.86
1M54995.D	AC50146-001	145213	4.60	104637	6.44	42546	7.86
1M54996.D	AC50217-009	158277	4.61	128195	6.44	71432	7.86
1M54997.D	BLK	171484	4.60	142088	6.44	77832	7.86
1M54998.D	AC50155-008	159534	4.61	122730	6.44	56279	7.86
1M54999.D	AC50155-007	143069	4.60	107777	6.44	41797	7.86
1M55000.D	AC50155-006	152335	4.60	114628	6.44	49790	7.86
1M55001.D	AC50155-005	164588	4.61	132678	6.44	68876	7.86
1M55002.D	AC50155-004	158953	4.60	127627	6.44	72643	7.86
1M55003.D	AC50155-003	158075	4.61	126083	6.44	58319	7.86
1M55004.D	AC50155-002	161015	4.61	132470	6.43	64370	7.86
1M55005.D	MBS15259	166119	4.61	132784	6.44	76763	7.86
1M55006.D	AC50217-025	161790	4.61	132889	6.44	77915	7.86
1M55007.D	AC50217-025	145872	4.61	111135	6.43	66375	7.86
1M55008.D	BLK	141477	4.60	118586	6.44	66735	7.87
1M55009.D	AC50155-007	125293	4.61	85975	6.43	33831	7.86
1M55010.D	AC50101-004	154106	4.61	118038	6.43	53511	7.86
1M55011.D	BLK	164467	4.61	135324	6.44	73387	7.86
1M55012.D	AC50165-004	99166	4.60	34520 A	6.44	13317 A	7.86
1M55013.D	BLK	153694	4.61	131812	6.43	74113	7.86
1M55014.D	BLK	151672	4.61	129774	6.44	74268	7.86
1M55015.D	BLK	159925	4.60	128331	6.44	74992	7.86
1M55016.D	BLK	135034	4.61	106699	6.44	60388	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.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-001
Client Id: PI-01-TP-RAS1030410SO1
Data File: 1M54945.D
Analysis Date: 03/10/10 12:54
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0066	U	56-23-5	Carbon Tetrachloride	0.0066	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0066	U	108-90-7	Chlorobenzene	0.0066	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0066	U	75-00-3	Chloroethane	0.0066	U
79-00-5	1,1,2-Trichloroethane	0.0066	U	67-66-3	Chloroform	0.0066	U
75-34-3	1,1-Dichloroethane	0.0066	U	74-87-3	Chloromethane	0.0066	U
75-35-4	1,1-Dichloroethene	0.0066	U	156-59-2	cis-1,2-Dichloroethene	0.0066	U
96-18-4	1,2,3-Trichloropropane	0.0066	U	10061-01-5	cis-1,3-Dichloropropene	0.0066	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0013**	**0.064**	124-48-1	Dibromochloromethane	0.0066	U
95-50-1	1,2-Dichlorobenzene	0.0066	U	75-71-8	Dichlorodifluoromethane	0.0066	U
107-06-2	1,2-Dichloroethane	0.0066	U	**100-41-4**	**Ethylbenzene**	**0.0013**	**0.0098**
78-87-5	1,2-Dichloropropane	0.0066	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.0081**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0013**	**0.023**	**136777612**	**m&p-Xylenes**	**0.0013**	**0.052**
541-73-1	1,3-Dichlorobenzene	0.0066	U	75-09-2	Methylene Chloride	0.0066	U
142-28-9	1,3-Dichloropropane	0.0066	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
106-46-7	1,4-Dichlorobenzene	0.0066	U	**104-51-8**	**n-Butylbenzene**	**0.0013**	**0.0065**
123-91-1	1,4-Dioxane	0.33	U	**103-65-1**	**n-Propylbenzene**	**0.0013**	**0.0094**
78-93-3	2-Butanone	0.0066	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.026**
110-75-8	2-Chloroethylvinylether	0.0066	U	**135-98-8**	**sec-Butylbenzene**	**0.0013**	**0.0097**
591-78-6	2-Hexanone	0.0066	U	100-42-5	Styrene	0.0066	U
99-87-6	**4-Isopropyltoluene**	**0.0013**	**0.0084**	75-65-0	t-Butyl Alcohol	0.033	U
108-10-1	4-Methyl-2-Pentanone	0.0066	U	98-06-6	t-Butylbenzene	0.0013	U
67-64-1	Acetone	0.033	U	127-18-4	Tetrachloroethene	0.0066	U
107-02-8	Acrolein	0.033	U	**108-88-3**	**Toluene**	**0.0013**	**0.0079**
107-13-1	Acrylonitrile	0.0066	U	156-60-5	trans-1,2-Dichloroethene	0.0066	U
71-43-2	Benzene	0.0013	U	10061-02-6	trans-1,3-Dichloropropene	0.0066	U
75-27-4	Bromodichloromethane	0.0066	U	79-01-6	Trichloroethene	0.0066	U
75-25-2	Bromoform	0.0066	U	75-69-4	Trichlorofluoromethane	0.0066	U
74-83-9	Bromomethane	0.0066	U	75-01-4	Vinyl Chloride	0.0066	U
75-15-0	Carbon Disulfide	0.0066	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.078**

Worksheet #: 145101

Total Target Concentration 0.22

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: AC50199-001
Client Id: PI-01-TP-RAS1030410
Data File: 1M54945.D
Analysis Date: 03/10/10 12:54
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.09g
Final Vol: NA
Dilution: 0.982
Solids: 74
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	0.15 J
2	124-18-5	Decane	7.35	0.29 J
3	2847-72-5	Decane, 4-methyl-	7.53	0.15 J
4	74630-13-0	3,7-Decadiene, 2,9-dimethyl-	7.77	0.26 J
5	620-14-4	Benzene, 1-ethyl-3-methyl-	7.89	0.099 J
6	527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.22	0.10 J
7	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.30	0.14 J
8	2958-76-1	Naphthalene, decahydro-2-methyl-	8.52	0.092 J
9	112-40-3	Dodecane	8.77	0.094 J
10	17301-23-4	Undecane, 2,6-dimethyl-	8.88	0.19 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 1.6

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 : AC50199-001
Data File: 1M54945.D
Acq On : 03/10/10 12:54

Operator : WP
Sam Mult : 1 Vial# : 63
Misc : S,5G!5

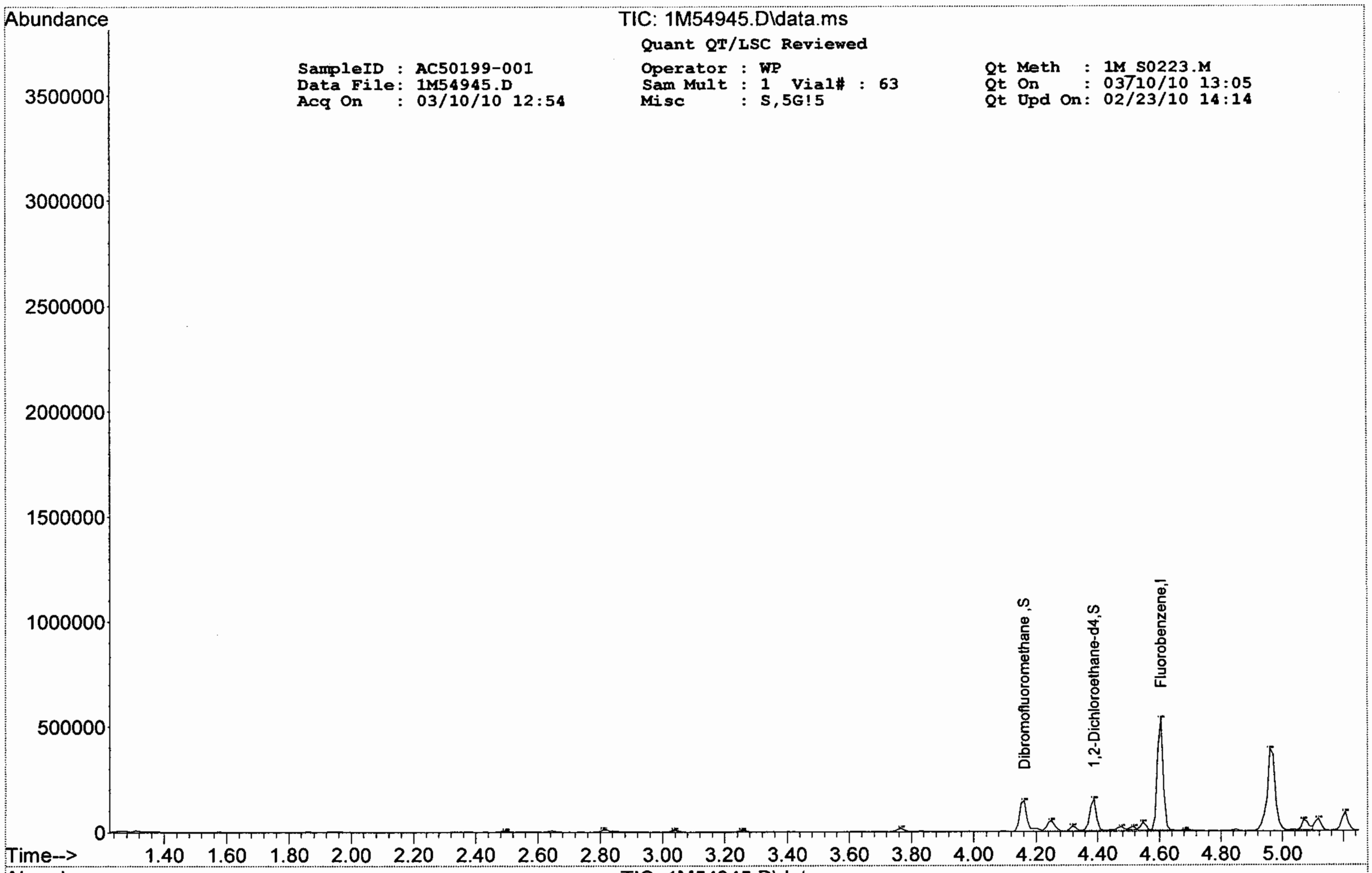
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 13:05
Qt Upd On: 02/23/10 14:14

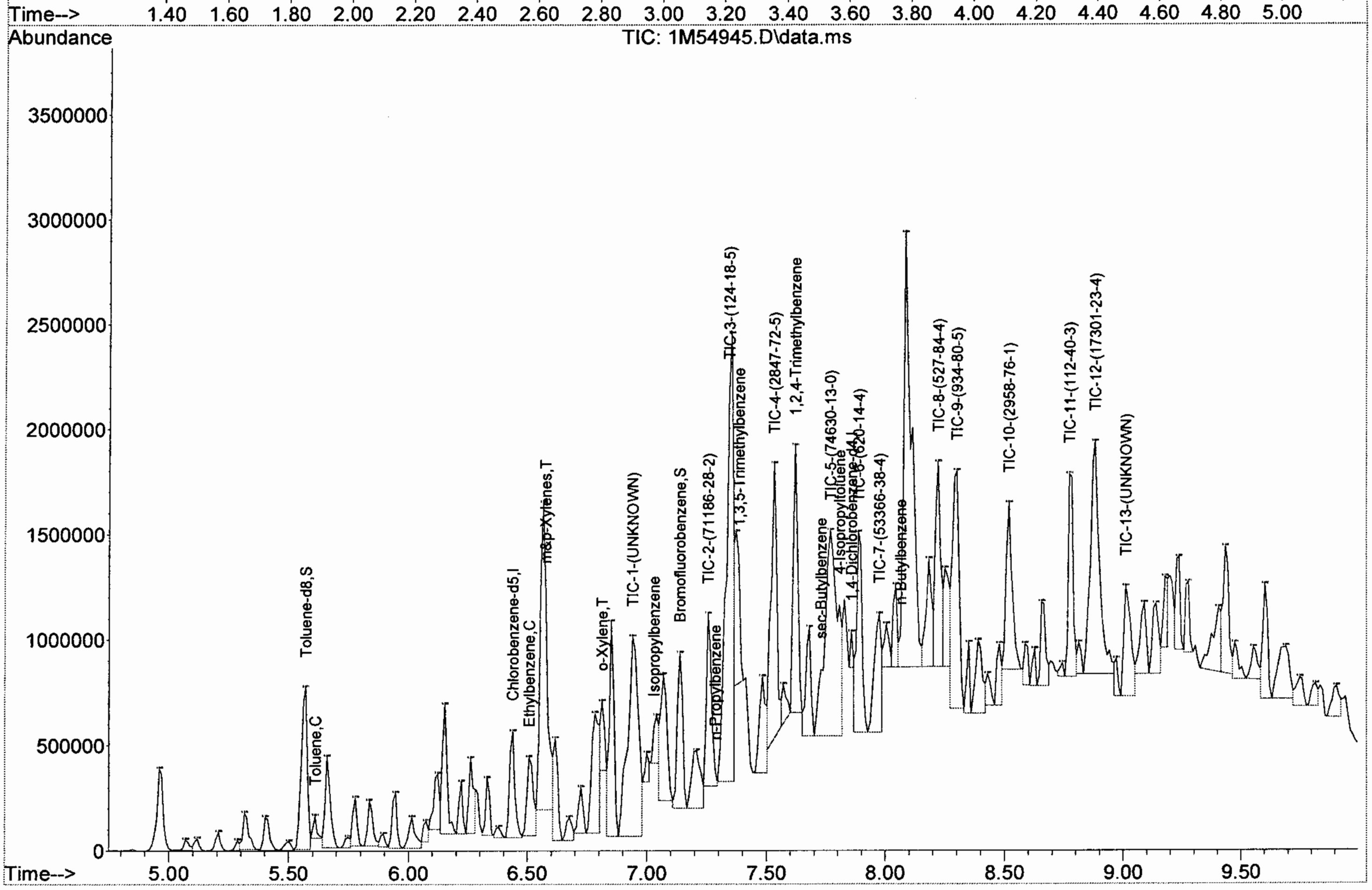
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

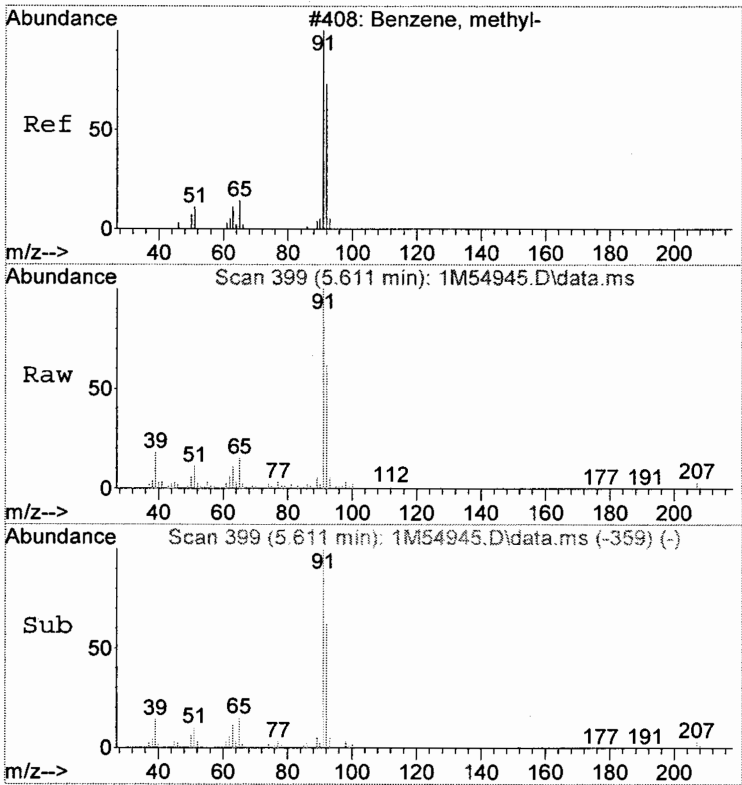
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	244538	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.438	117	199196	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	105404	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.162	111	65804	29.88	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.60%		
35) 1,2-Dichloroethane-d4	4.388	102	12659	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.70%		
59) Toluene-d8	5.571	100	171826	28.74	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.80%		
67) Bromofluorobenzene	7.138	174	90575	28.98	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.60%		
Target Compounds						Qvalue
60) Toluene	5.611	92	41277	5.92	ug/l	90
65) Ethylbenzene	6.507	106	25740	7.38	ug/l	98
69) m&p-Xylenes	6.576	106	207395	39.23	ug/l	98
70) o-Xylene	6.813	106	98038	19.59	ug/l	80
75) Isopropylbenzene	7.030	105	83108	6.11	ug/l	92
81) n-Propylbenzene	7.286	91	120507	7.08	ug/l	97
83) 1,3,5-Trimethylbenzene	7.385	105	203572	16.95	ug/l	97
85) 1,2,4-Trimethylbenzene	7.621	105	566690	48.25	ug/l	84
86) sec-Butylbenzene	7.729	105	106985	7.31	ug/l	87
87) 4-Isopropyltoluene	7.808	119	77341	6.31	ug/l	90
88) n-Butylbenzene	8.065	91	74123m	4.91	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.605		698306	30.00	ug/l	--
2) Chlorobenzene-d5	6.438		782198	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.858		603262m	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.940		2997634	114.97	ug/l	--
2) 71186-28-2	7.260		1250452	62.18	ug/l	72
3) 124-18-5	7.350		4435274	220.57	ug/l	81
4) 2847-72-5	7.530		2281429	113.46	ug/l	90
5) 74630-13-0	7.770		3864621	192.19	ug/l	53
6) 620-14-4	7.890		1503079	74.75	ug/l	60
7) 53366-38-4	7.980		1222521	60.80	ug/l	52
8) 527-84-4	8.220		1533313	76.25	ug/l	60
9) 934-80-5	8.300		2185518	108.69	ug/l	86
10) 2958-76-1	8.520		1387907	69.02	ug/l	58
11) 112-40-3	8.770		1424714	70.85	ug/l	72
12) 17301-23-4	8.880		2916501	145.04	ug/l	86
13) UNKNOWN	9.010		1134919	56.44	ug/l	--

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

Ua

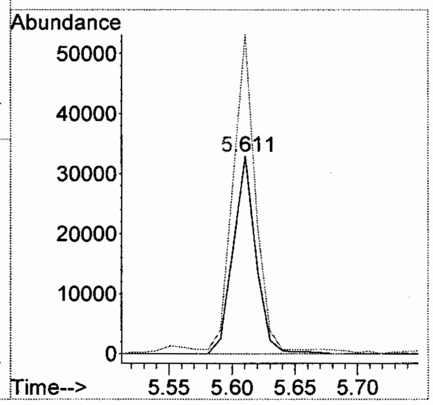

Abundance
TIC: 1M54945.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-001
Data File: 1M54945.D
Acq On : 03/10/10 12:54
Operator : WP
Sam Mult : 1 Vial# : 63
Misc : S,5G!5
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 13:05
Qt Upd On: 02/23/10 14:14
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->

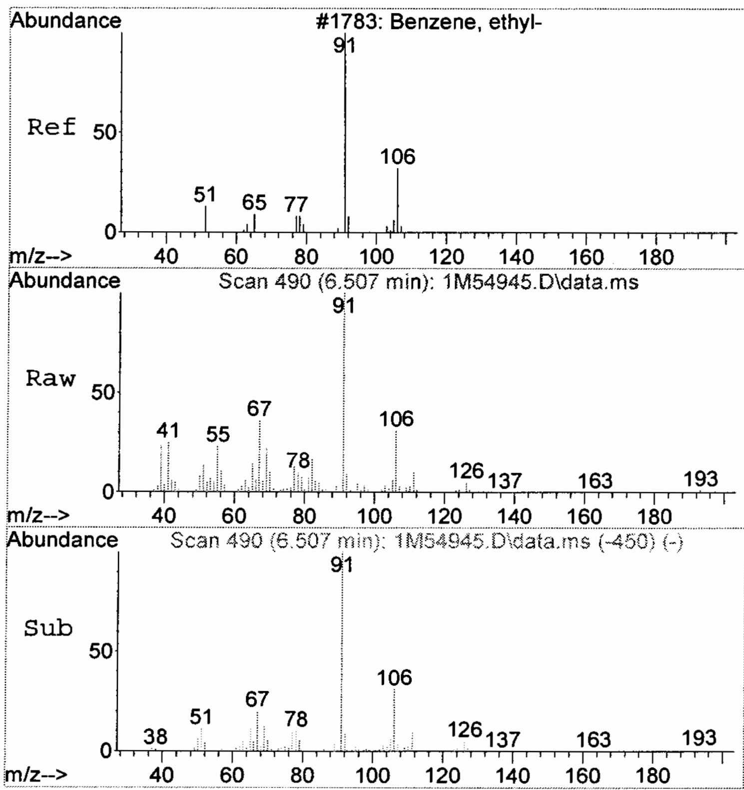

Abundance
TIC: 1M54945.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
TIC-1-(UNKNOWN)
Isopropylbenzene
Bromofluorobenzene,S
TIC-2-(71186-28-2)
n-Propylbenzene
TIC-3-(124-18-5)
1,3,5-Trimethylbenzene
TIC-4-(2847-72-5)
1,2,4-Trimethylbenzene
sec-Butylbenzene
TIC-5-(74630-13-0)
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
TIC-6-(620-14-4)
TIC-7-(53366-38-4)
n-Butylbenzene
TIC-8-(527-84-4)
TIC-9-(934-80-5)
TIC-10-(2958-76-1)
TIC-11-(112-40-3)
TIC-12-(17301-23-4)
TIC-13-(UNKNOWN)
Time-->



#60
Toluene
Concen: 5.92 ug/l
RT: 5.611 min Scan# 399
Delta R.T. -0.008 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

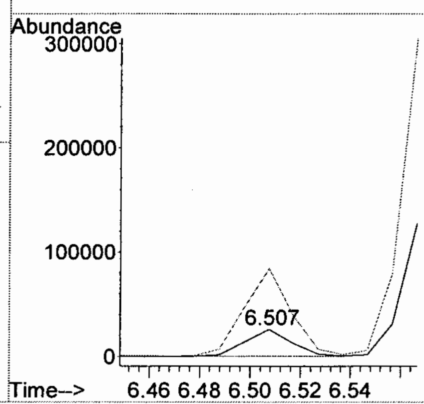
Tgt Ion: 92	Resp:	41277	
Ion	Ratio	Lower	Upper
92	100		
91	159.8	104.1	242.9

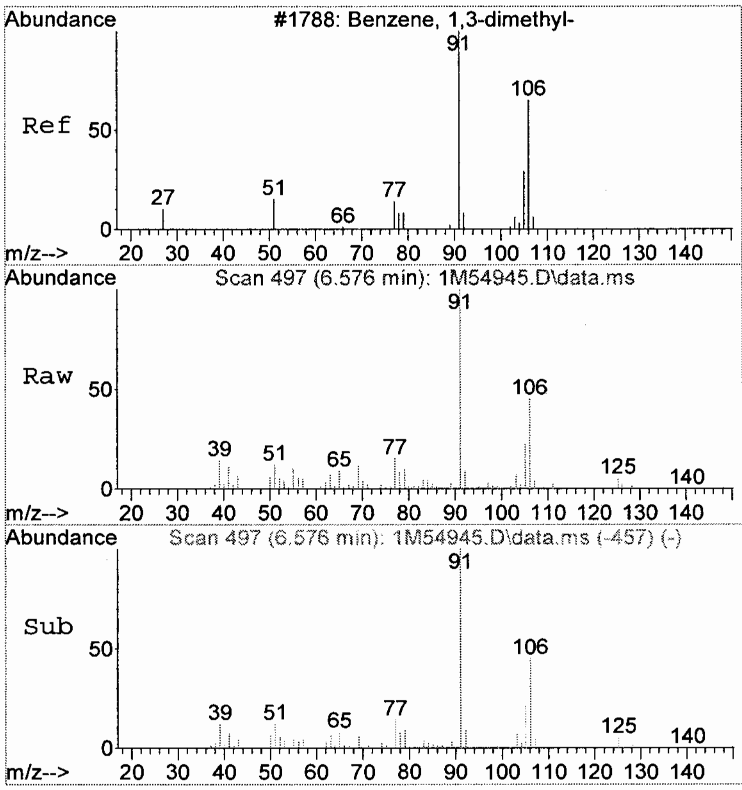




#65
Ethylbenzene
Concen: 7.38 ug/l
RT: 6.507 min Scan# 490
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:106	Resp:	25740	
Ion	Ratio	Lower	Upper
106	100		
91	323.5	191.5	446.7

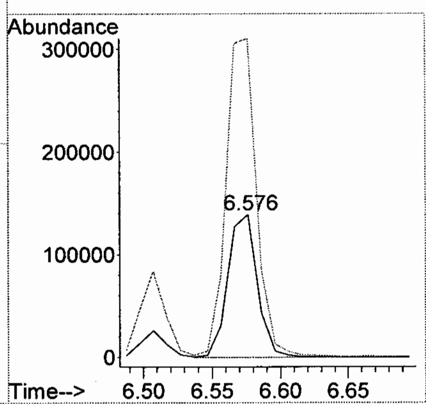


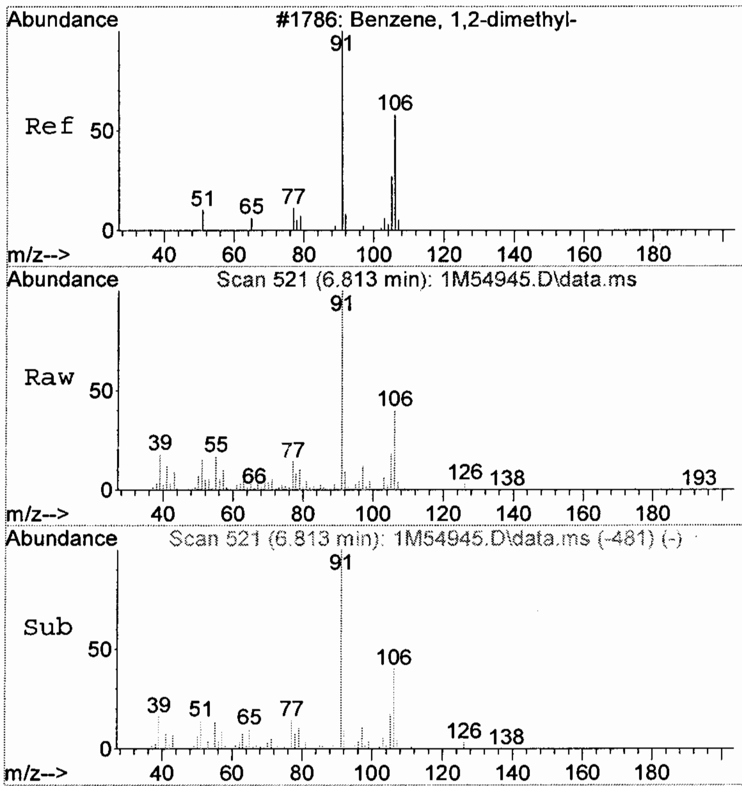


#69
m&p-Xylenes
Concen: 39.23 ug/l
RT: 6.576 min Scan# 497
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:106 Resp: 207395

Ion	Ratio	Lower	Upper
106	100		
91	223.0	132.0	308.0

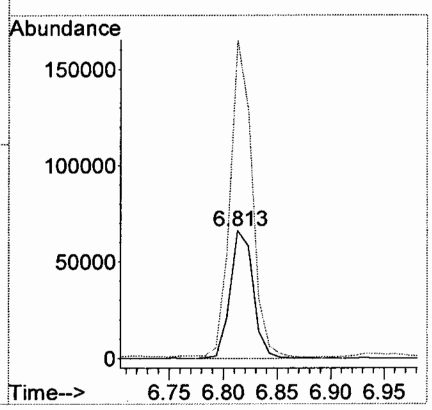


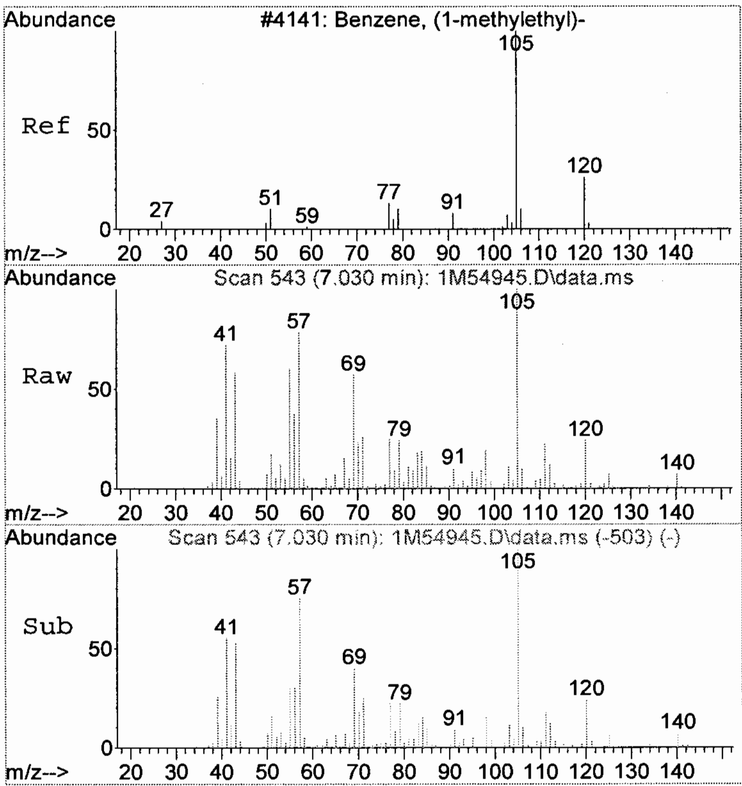


#70
o-Xylene
Concen: 19.59 ug/l
RT: 6.813 min Scan# 521
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:106 Resp: 98038

Ion	Ratio	Lower	Upper
106	100		
91	247.6	129.1	301.1

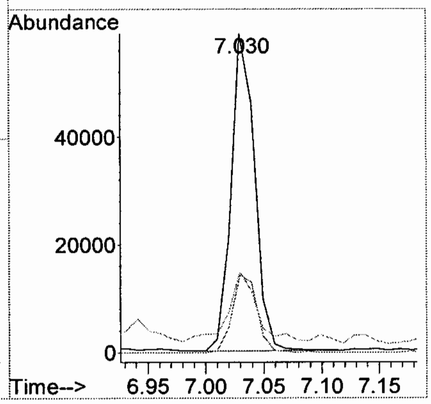


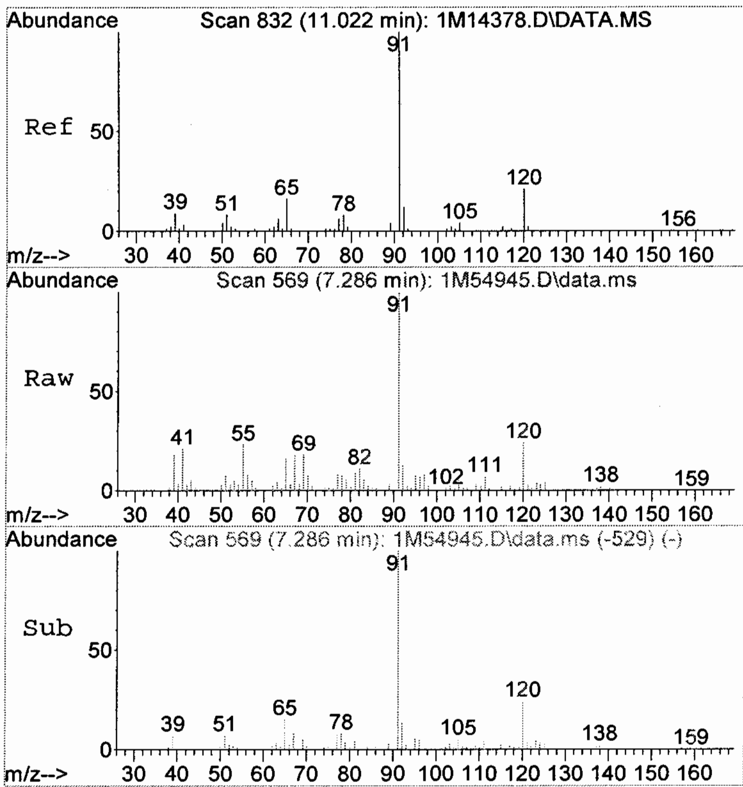


#75
Isopropylbenzene
Concen: 6.11 ug/l
RT: 7.030 min Scan# 543
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:105 Resp: 83108

Ion	Ratio	Lower	Upper
105	100		
120	25.9	0.0	66.9
77	26.3	0.0	58.3

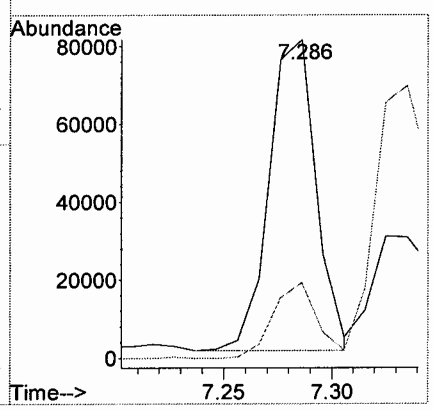


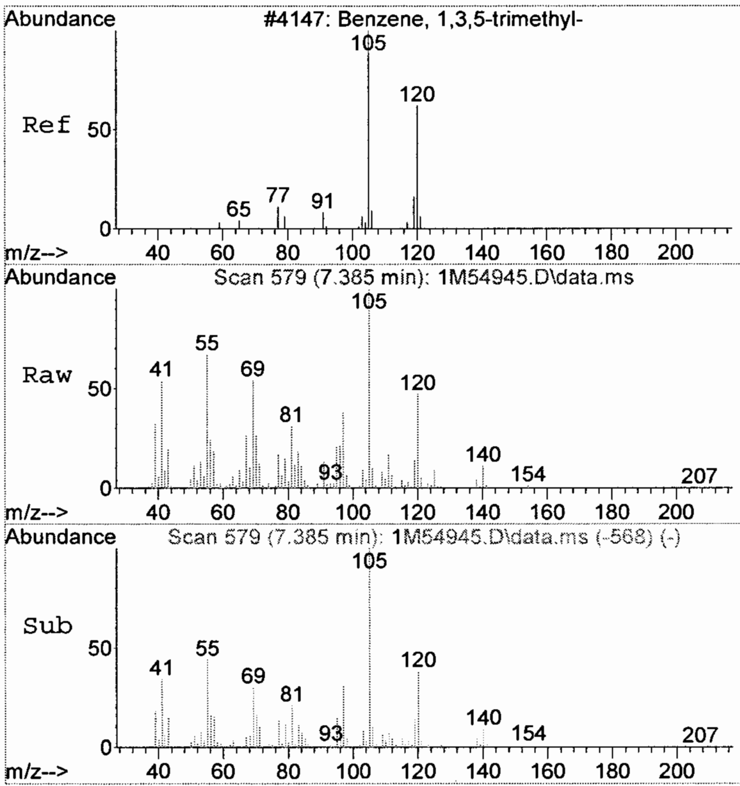


#81
n-Propylbenzene
Concen: 7.08 ug/l
RT: 7.286 min Scan# 569
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion: 91 Resp: 120507

Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	61.6

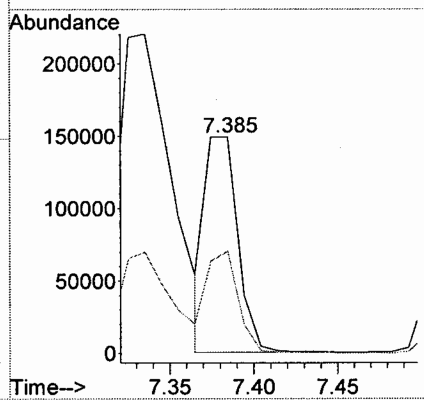


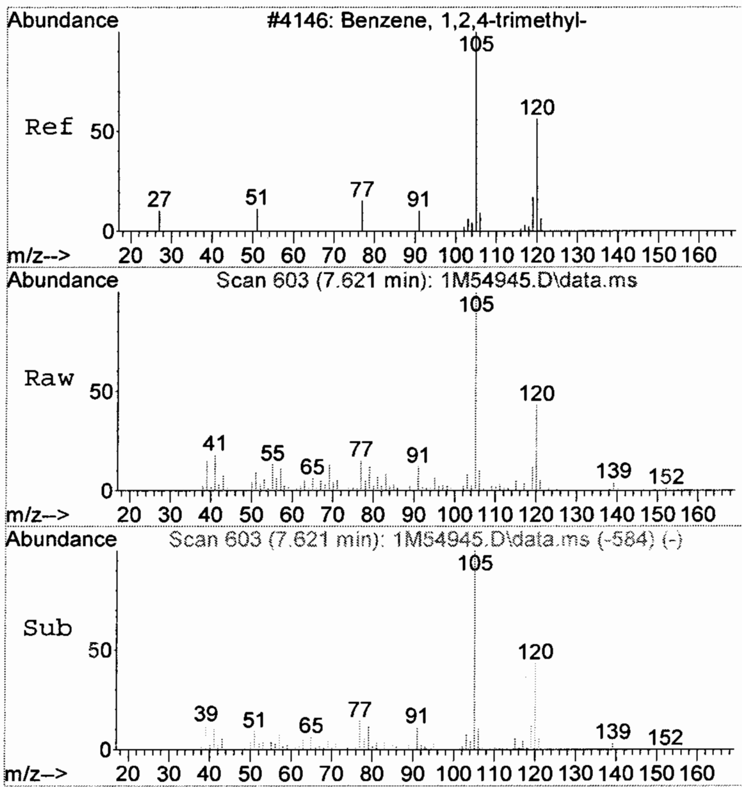


#83
1,3,5-Trimethylbenzene
Concen: 16.95 ug/l
RT: 7.385 min Scan# 579
Delta R.T. -0.008 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:105 Resp: 203572

Ion	Ratio	Lower	Upper
105	100		
120	46.0	0.0	94.0

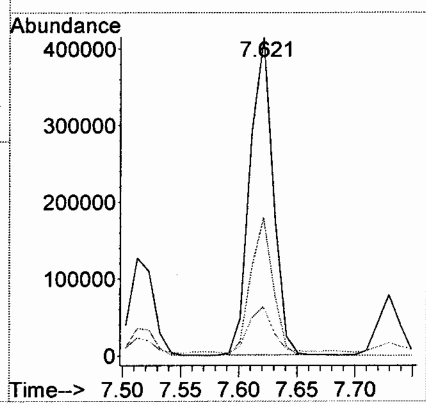


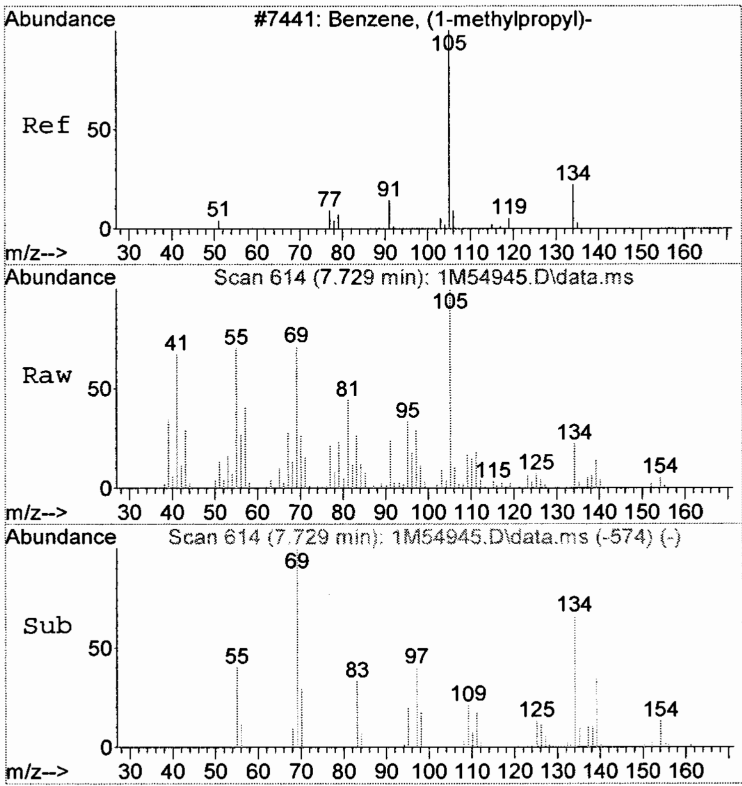


#85
1,2,4-Trimethylbenzene
Concen: 48.25 ug/l
RT: 7.621 min Scan# 603
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:105 Resp: 566690

Ion	Ratio	Lower	Upper
105	100		
120	42.3	12.2	92.2
77	15.8	0.0	66.0

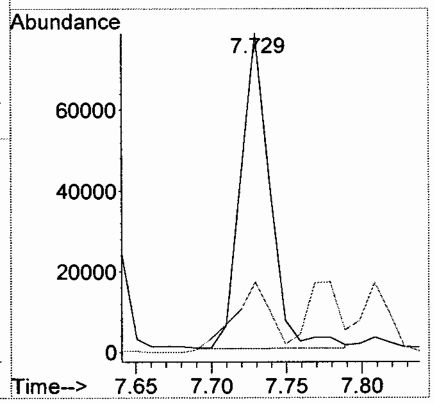


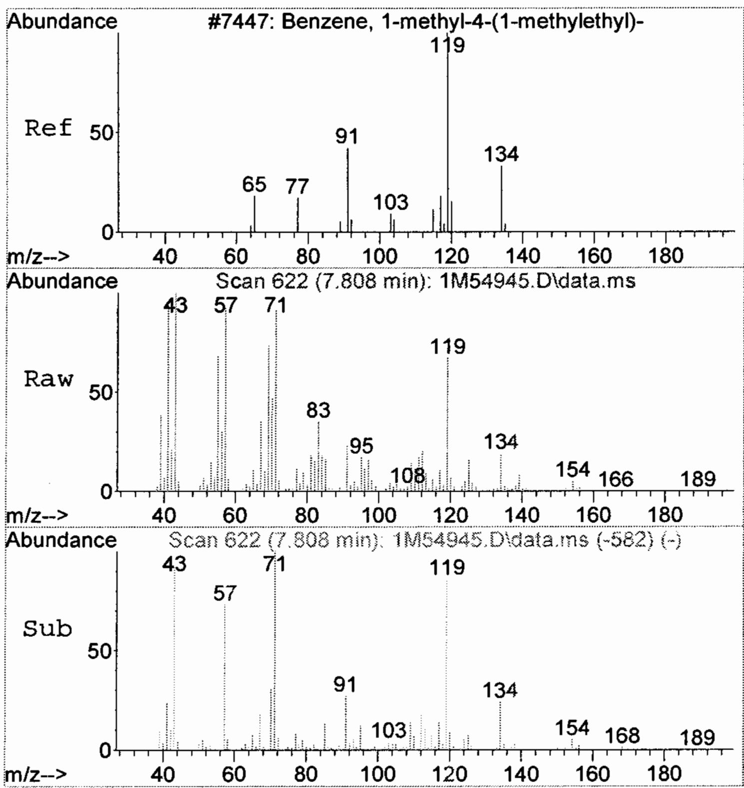


#86
sec-Butylbenzene
Concen: 7.31 ug/l
RT: 7.729 min Scan# 614
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:105 Resp: 106985

Ion	Ratio	Lower	Upper
105	100		
134	28.2	0.0	61.8

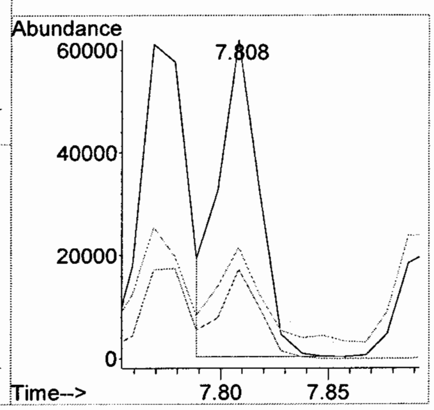


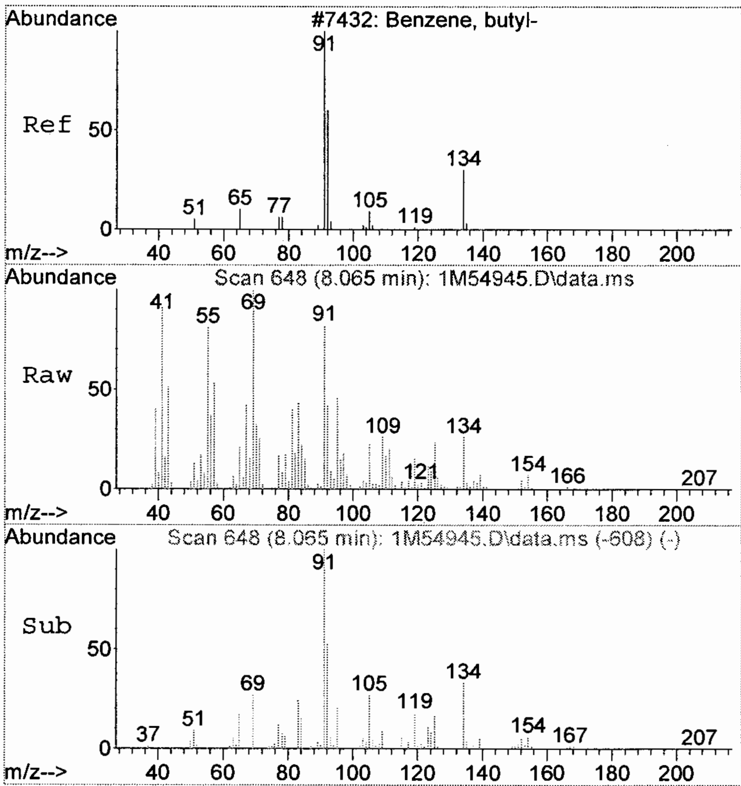


#87
4-Isopropyltoluene
Concen: 6.31 ug/l
RT: 7.808 min Scan# 622
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion:119 Resp: 77341

Ion	Ratio	Lower	Upper
119	100		
134	22.0	0.0	66.7
91	31.8	0.0	66.3

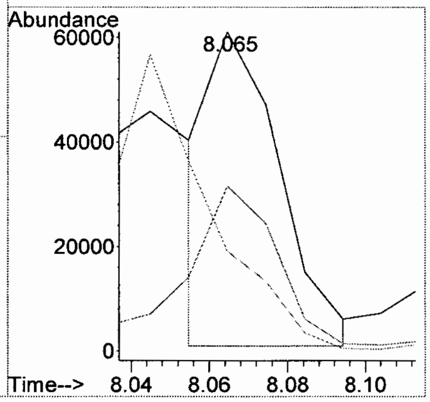




#88
n-Butylbenzene
Concen: 4.91 ug/l m
RT: 8.065 min Scan# 648
Delta R.T. -0.009 min
Lab File: 1M54945.D
Acq: 10 Mar 2010 12:54

Tgt Ion: 91 Resp: 74123

Ion	Ratio	Lower	Upper
91	100		
92	62.1	8.4	88.4
134	125.7	3.6	83.6#



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54945.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.496	79	83	86	rBV2	5397	11829	0.25%	0.017%
2	2.811	111	115	117	rBV2	11769	19885	0.42%	0.028%
3	3.038	135	138	145	rBV3	7769	13965	0.29%	0.020%
4	3.255	157	160	164	rVB3	6551	11218	0.24%	0.016%
5	3.767	208	212	215	rVB	15070	23456	0.50%	0.033%
6	4.162	248	252	255	rBV	145232	229109	4.84%	0.320%
7	4.250	258	261	265	rVB2	49076	86527	1.83%	0.121%
8	4.319	265	268	271	rBV	23471	32571	0.69%	0.046%
9	4.388	271	275	278	rVV	148930	212504	4.49%	0.297%
10	4.477	279	284	286	rBV3	16803	32640	0.69%	0.046%
11	4.517	286	288	289	rVV	13714	18053	0.38%	0.025%
12	4.546	289	291	294	rVB	37751	46424	0.98%	0.065%
13	4.605	294	297	300	rBV	529449	692273	14.62%	0.968%
14	4.684	302	305	312	rVB6	4968	15299	0.32%	0.021%
15	4.960	327	333	339	rBV	388426	711772	15.03%	0.995%
16	5.068	342	344	347	rBV2	45953	75178	1.59%	0.105%
17	5.118	347	349	353	rVB	55239	75452	1.59%	0.106%
18	5.206	353	358	362	rBV	87007	126843	2.68%	0.177%
19	5.285	362	366	367	rBV	45201	59725	1.26%	0.084%
20	5.315	367	369	375	rVB2	173101	299310	6.32%	0.419%
21	5.404	375	378	384	rVB	154954	258730	5.46%	0.362%
22	5.502	384	388	390	rBV3	38631	75530	1.59%	0.106%
23	5.571	390	395	397	rBV2	767407	1364013	28.80%	1.907%
24	5.611	397	399	402	rBV	104848	112365	2.37%	0.157%
25	5.660	402	404	410	rVB	429466	645857	13.64%	0.903%
26	5.748	410	413	414	rBV2	47548	86371	1.82%	0.121%
27	5.778	414	416	419	rVB	226581	288601	6.09%	0.404%
28	5.837	419	422	426	rBV2	212121	325440	6.87%	0.455%
29	5.896	426	428	430	rVB2	59343	79442	1.68%	0.111%
30	5.946	430	433	436	rVB	259202	368460	7.78%	0.515%
31	6.015	436	440	444	rBV	143931	294544	6.22%	0.412%
32	6.074	444	446	447	rBV	95732	139623	2.95%	0.195%
33	6.123	447	451	452	rBV2	261882	454257	9.59%	0.635%
34	6.153	452	454	459	rVB	612224	834881	17.63%	1.168%
35	6.222	459	461	463	rBV	245575	272067	5.75%	0.380%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	6.261	463	465	467	rBV	353443	550399	11.62%	0.770%
37	6.330	470	472	475	rVB	268236	313301	6.62%	0.438%
38	6.379	475	477	480	rVB2	49515	76398	1.61%	0.107%
39	6.438	480	483	487	rBV	502376	782198	16.52%	1.094%
40	6.507	487	490	493	rBV2	370429	726616	15.34%	1.016%
41	6.567	493	496	500	rBV3	1452747	2872017	60.65%	4.016%
42	6.616	500	501	504	rVB2	480960	534071	11.28%	0.747%
43	6.675	504	507	509	rBV2	106998	199599	4.21%	0.279%
44	6.724	509	512	514	rVB	214525	287346	6.07%	0.402%
45	6.783	514	518	520	rBV2	566002	1350645	28.52%	1.889%
46	6.813	520	521	523	rVB	325552	305114	6.44%	0.427%
47	6.852	523	525	528	rVB	1015783	1347346	28.45%	1.884%
48	6.941	528	534	538	rBV4	944781	2997634	63.30%	4.192%
49	7.000	538	540	541	rBV2	135272	159397	3.37%	0.223%
50	7.040	541	544	545	rBV3	222818	345542	7.30%	0.483%
51	7.069	545	547	551	rVB	596121	1072929	22.66%	1.500%
52	7.138	551	554	557	rVB2	734262	1132431	23.91%	1.584%
53	7.207	557	561	564	rBV4	270416	740210	15.63%	1.035%
54	7.256	564	566	570	rBV3	813835	1250452	26.41%	1.749%
55	7.355	570	576	577	rBV2	2125898	4435274	93.66%	6.202%
56	7.375	577	578	581	rVB	703641	844659	17.84%	1.181%
57	7.483	585	589	591	rBV3	454830	913254	19.29%	1.277%
58	7.532	591	594	597	rVV2	1329994	2281429	48.18%	3.190%
59	7.572	597	598	601	rVB3	175697	234077	4.94%	0.327%
60	7.621	601	603	606	rVB	1264352	1661401	35.08%	2.323%
61	7.680	606	609	611	rVB	514025	738748	15.60%	1.033%
62	7.769	611	618	623	rBV9	974280	3864621	81.61%	5.404%
63	7.858	626	627	628	rBV	166824	121528	2.57%	0.170%
64	7.887	628	630	634	rVB	947903	1503079	31.74%	2.102%
65	7.976	634	639	640	rBV2	559319	1222521	25.82%	1.710%
66	8.005	640	642	644	rVV2	203523	296683	6.27%	0.415%
67	8.045	644	646	647	rVV2	388247	474894	10.03%	0.664%
68	8.084	647	650	657	rVV3	2065052	4735453	100.00%	6.622%
69	8.183	657	660	662	rVV3	510527	915317	19.33%	1.280%
70	8.222	662	664	666	rVV	969011	1533313	32.38%	2.144%
71	8.252	666	667	669	rVV2	464403	742041	15.67%	1.038%
72	8.301	669	672	675	rVB2	1125266	2185518	46.15%	3.056%
73	8.350	675	677	678	rVB	333290	287318	6.07%	0.402%
74	8.390	678	681	684	rBV4	343869	738934	15.60%	1.033%
75	8.429	684	685	688	rVB2	148026	175709	3.71%	0.246%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	8.479	688	690	691	rBV2	290163	408448	8.63%	0.571%
77	8.518	691	694	700	rVB3	787276	1387907	29.31%	1.941%
78	8.587	700	701	703	rVB	194696	223366	4.72%	0.312%
79	8.626	703	705	706	rVB2	172305	165669	3.50%	0.232%
80	8.656	706	708	711	rBV2	395132	622283	13.14%	0.870%
81	8.745	715	717	718	rVB3	64017	63289	1.34%	0.089%
82	8.774	718	720	723	rBV2	959670	1424714	30.09%	1.992%
83	8.814	723	724	726	rVB2	147887	150574	3.18%	0.211%
84	8.883	726	731	739	rBV3	1100400	2916501	61.59%	4.079%
85	8.971	739	740	742	rVB2	175797	129031	2.72%	0.180%
86	9.011	742	744	748	rBV3	517921	1134919	23.97%	1.587%
87	9.090	748	752	754	rVB3	333824	596392	12.59%	0.834%
88	9.139	754	757	759	rBV3	331102	646742	13.66%	0.904%
89	9.178	759	761	762	rBV	333689	472398	9.98%	0.661%
90	9.237	765	767	769	rVB	438076	538234	11.37%	0.753%
91	9.277	769	771	773	rVB2	333893	421461	8.90%	0.589%
92	9.405	776	784	785	rBV7	291804	839213	17.72%	1.174%
93	9.435	785	787	790	rVV2	598238	976726	20.63%	1.366%
94	9.474	790	791	796	rVB4	171291	251166	5.30%	0.351%
95	9.553	796	799	802	rBV5	151193	292819	6.18%	0.409%
96	9.602	802	804	807	rVB3	539574	767201	16.20%	1.073%
97	9.691	807	813	816	rBV6	246210	865396	18.27%	1.210%
98	9.750	816	819	822	rVB3	136238	296506	6.26%	0.415%
99	9.819	822	826	827	rBV2	105122	213925	4.52%	0.299%
100	9.908	831	835	837	rBV4	148573	359553	7.59%	0.503%

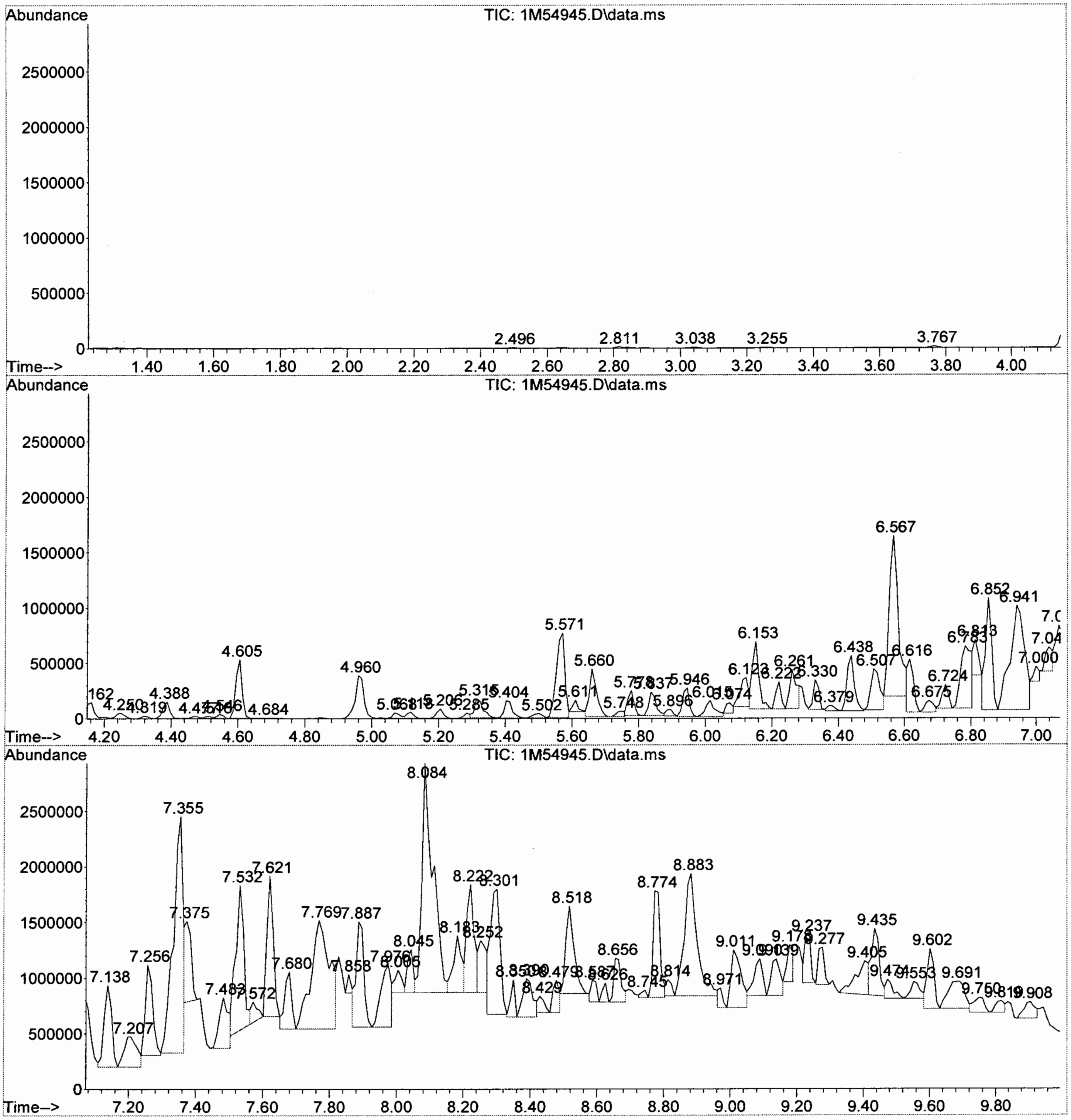
Sum of corrected areas: 71508063

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

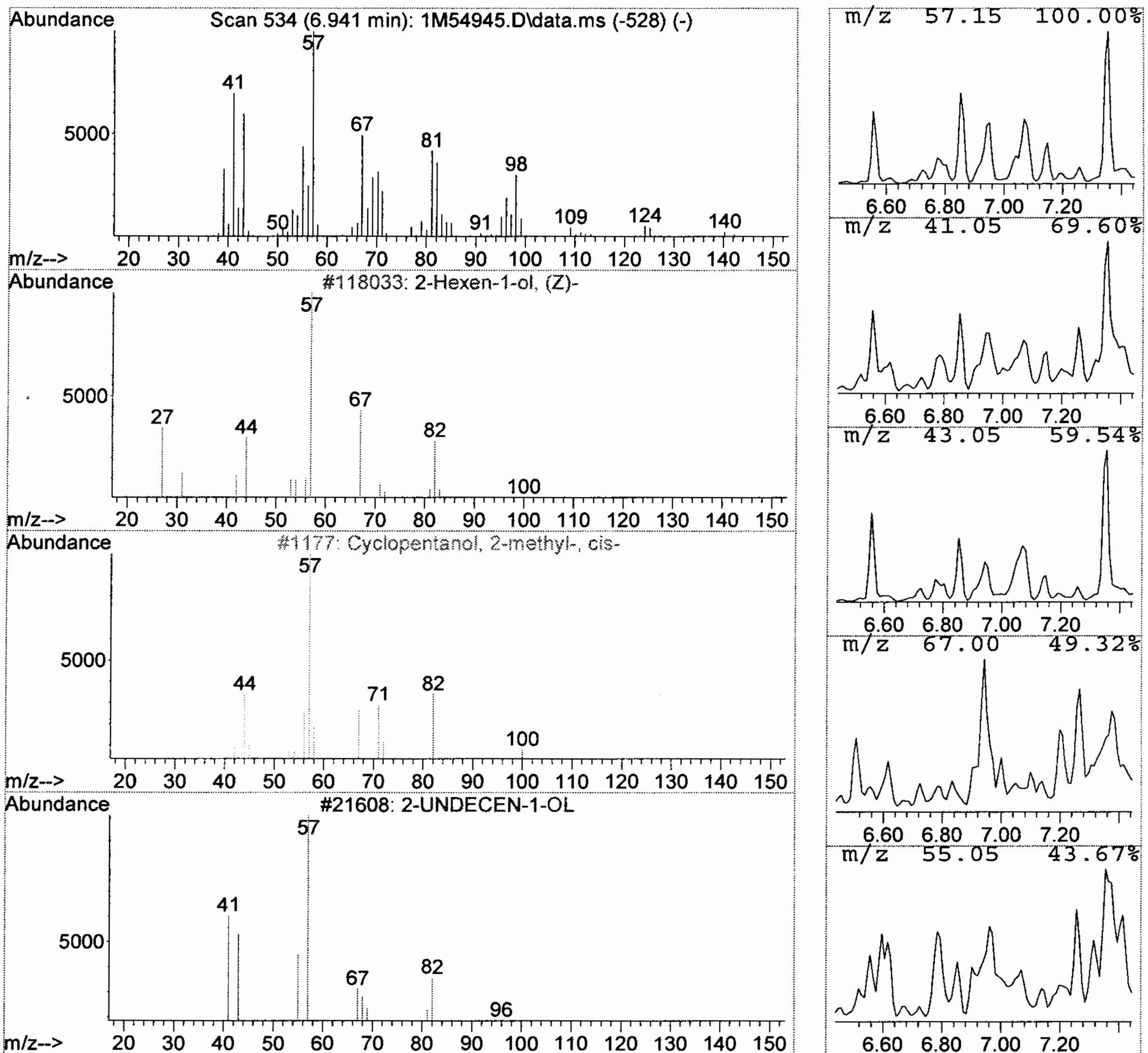
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

****
Peak Number 1 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	114.97 ug/l	2997634	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexen-1-ol, (Z)-	100	C6H12O	000928-94-9	38
2	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	32
3	2-UNDECEN-1-OL	170	C11H22O	000000-00-0	12
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	30
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	25



Library Search Compound Report

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Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

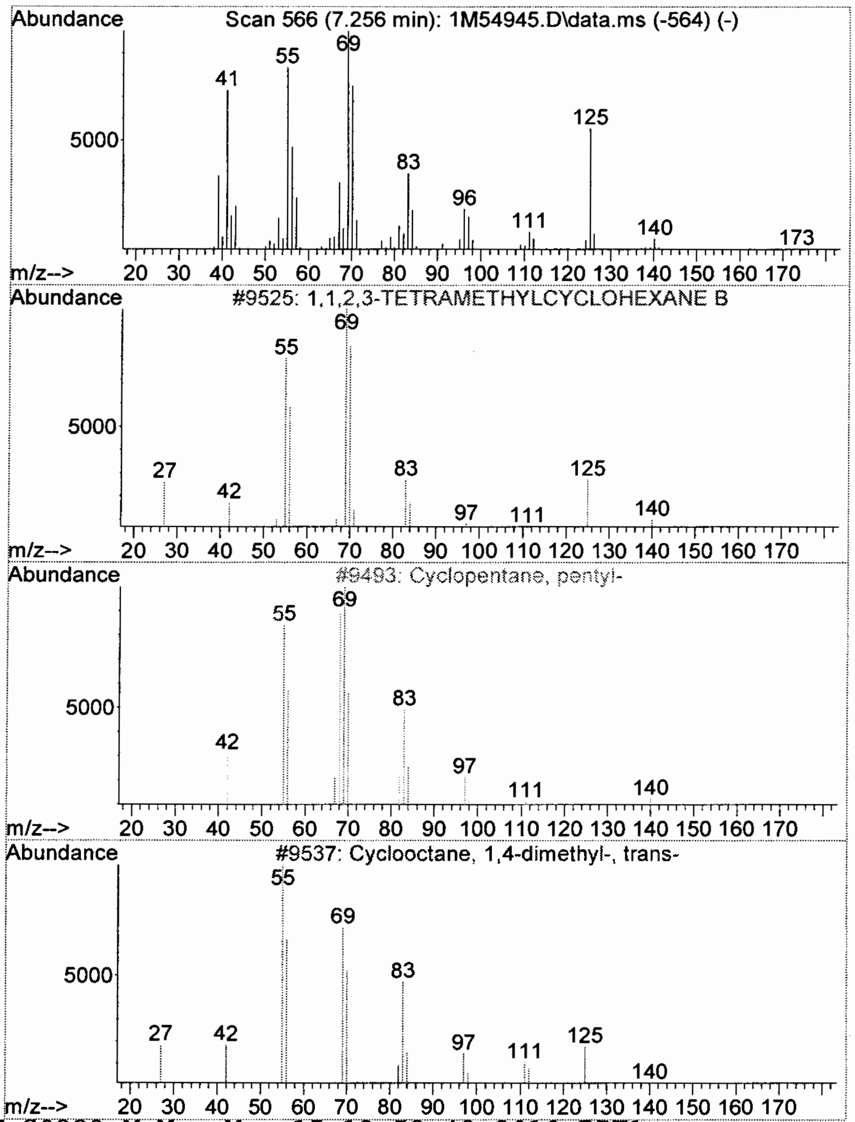
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

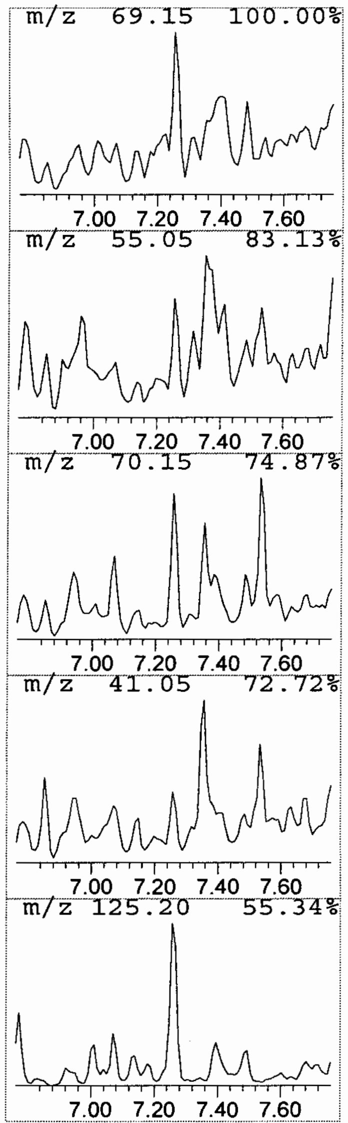
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,1,2,3-TETRAMETHYLCYCLOHEX... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	62.18 ug/l	1250452	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,2,3-TETRAMETHYLCYCLOHEXANE B	140	C10H20	071186-28-2	72
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	11
3	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	27
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	42
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	22





Library Search Compound Report

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Data File : 1M54945.D
Acq On    : 10 Mar 2010  12:54
Operator  : WP
Sample    : AC50199-001
Misc      : S,5G!5
ALS Vial  : 63   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

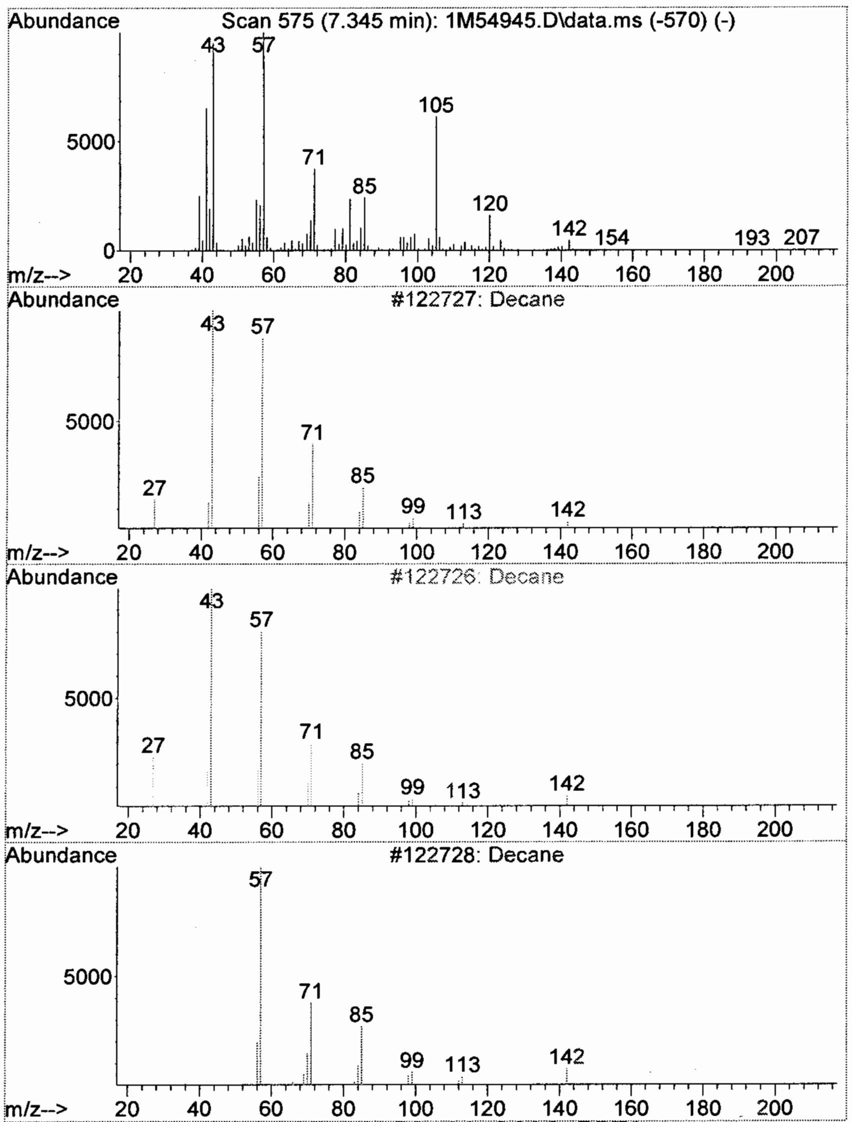
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

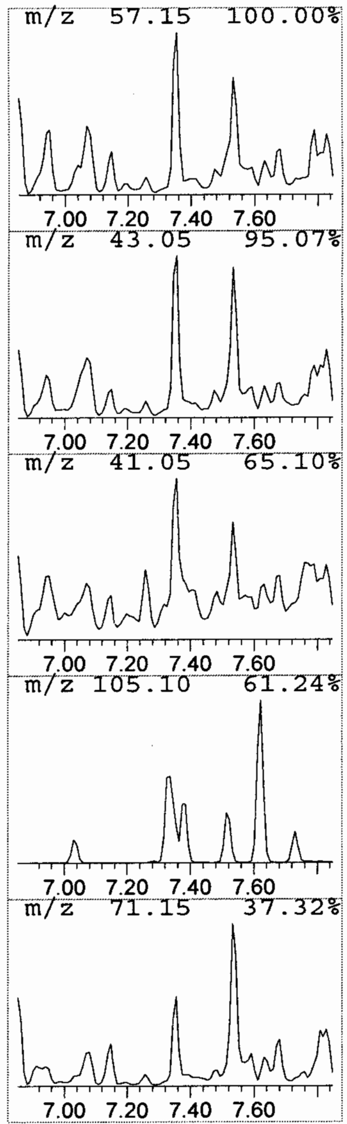
****

Peak Number 3 Decane   Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	220.57 ug/l	4435274	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	81
2	Decane	142	C10H22	000124-18-5	89
3	Decane	142	C10H22	000124-18-5	93
4	Decane	142	C10H22	000124-18-5	46
5	Decane	142	C10H22	000124-18-5	64





Library Search Compound Report

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Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

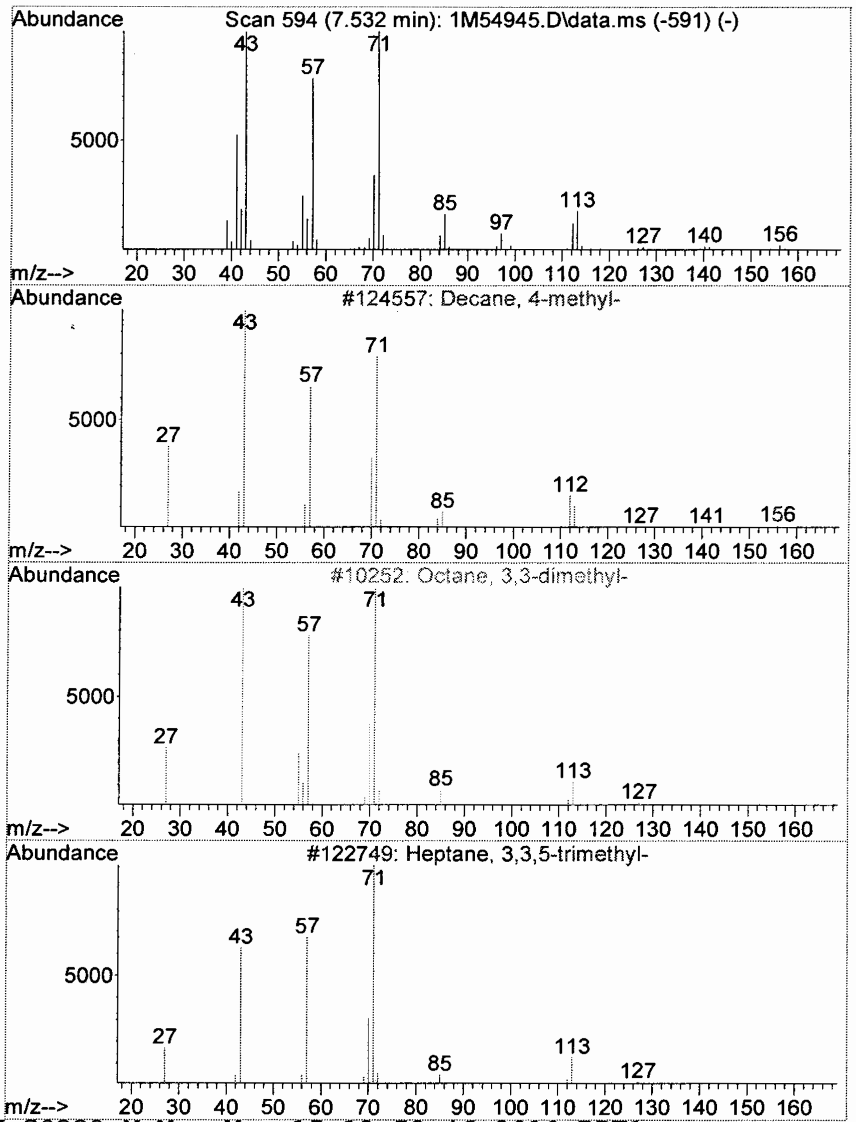
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

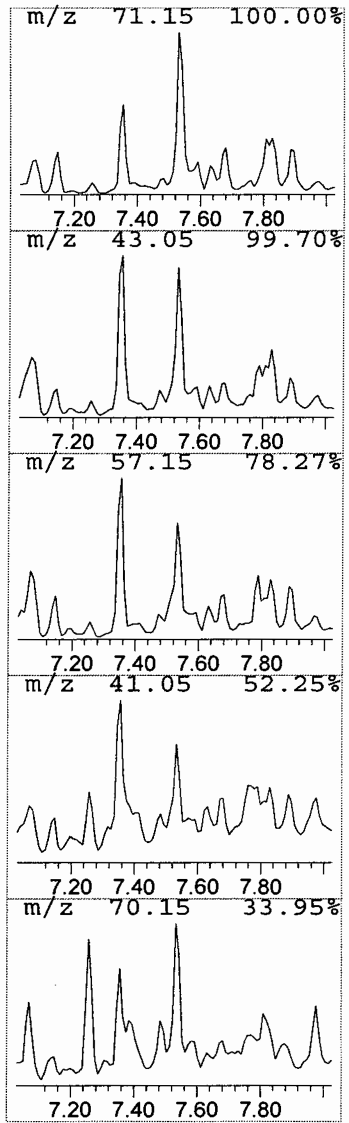
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Decane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	113.46 ug/l	2281429	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	87
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

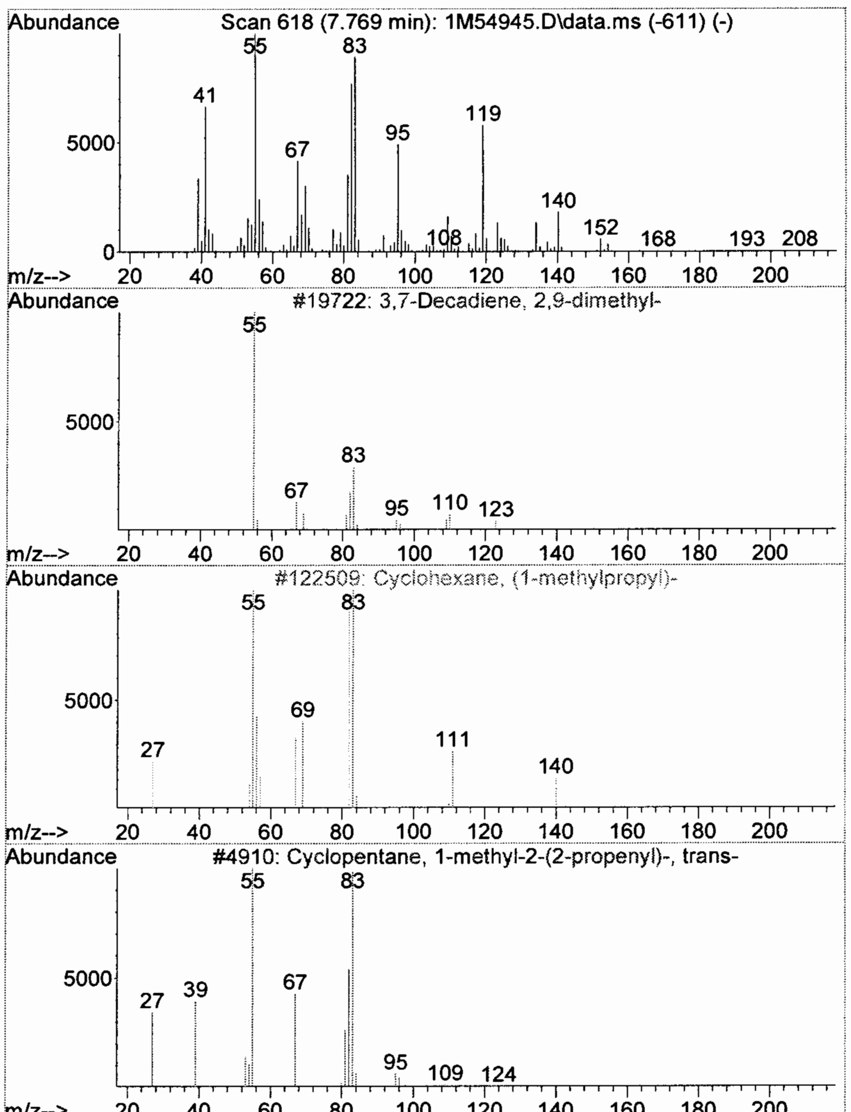
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

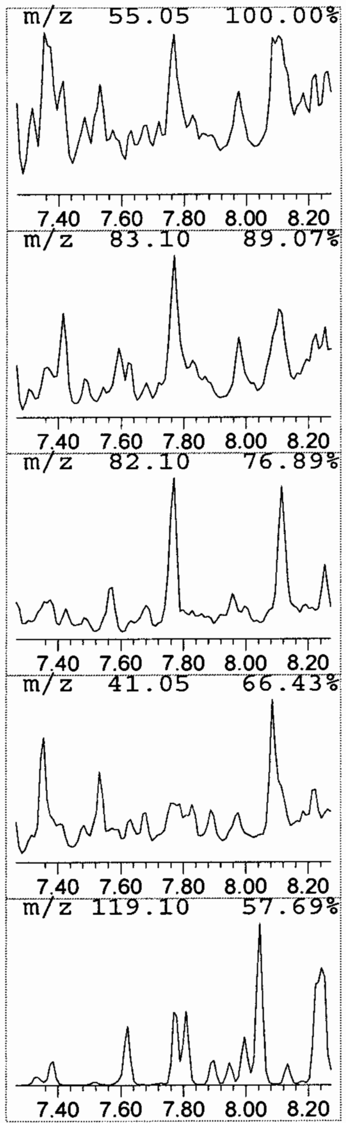
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3,7-Decadiene, 2,9-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	192.19 ug/l	3864621	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	53
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	38
4	Cyclohexanone, 2,2,5,5-tetrameth...	166	C11H18O	035505-97-6	38
5	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	55





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

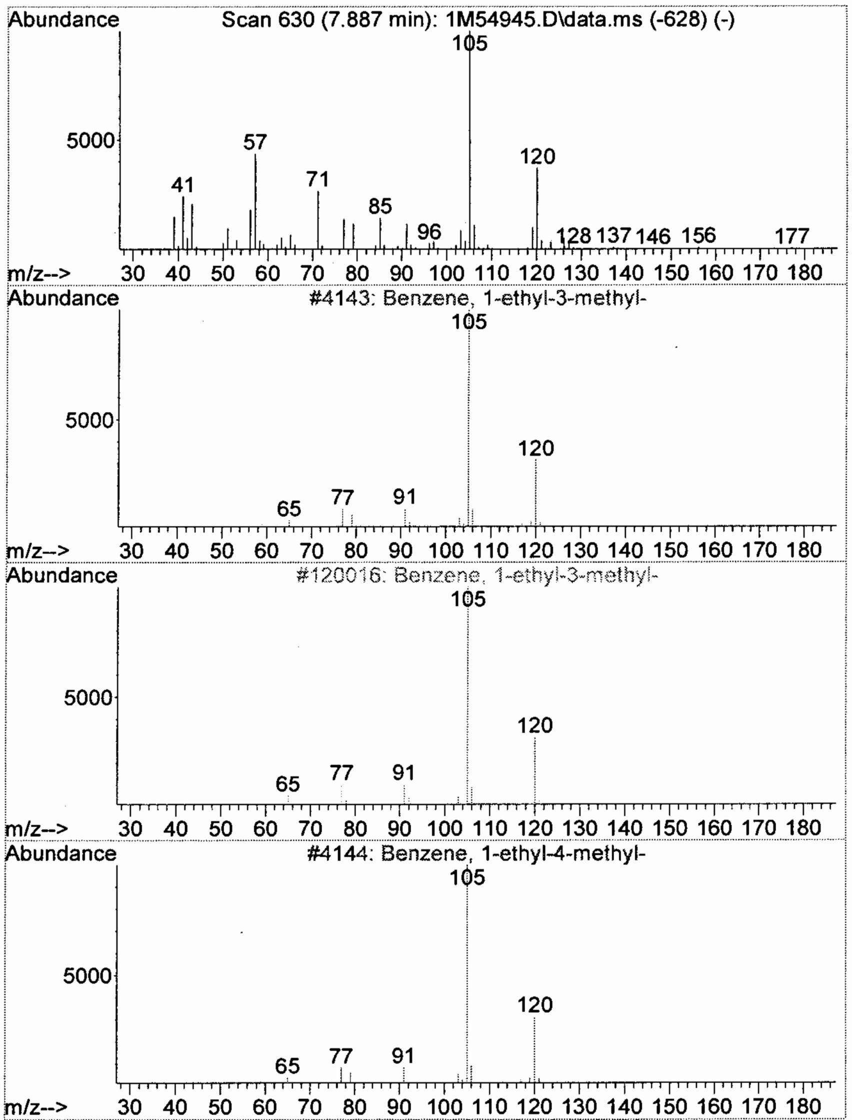
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

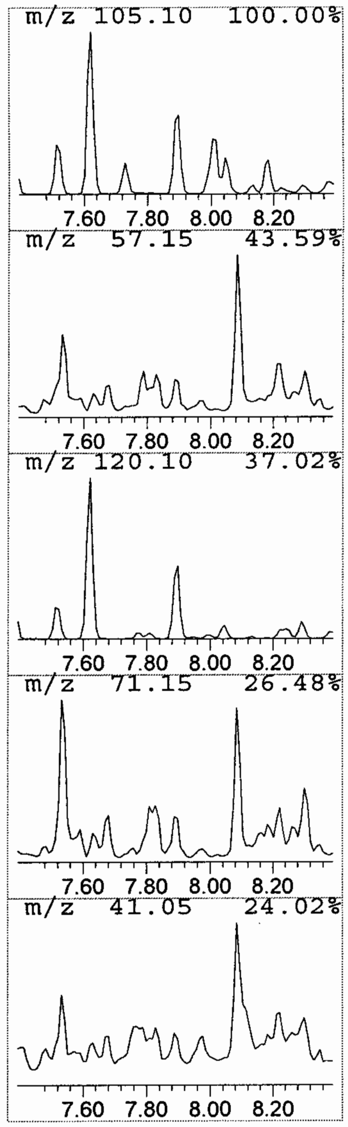
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	74.75 ug/l	1503079	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	53
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	60
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

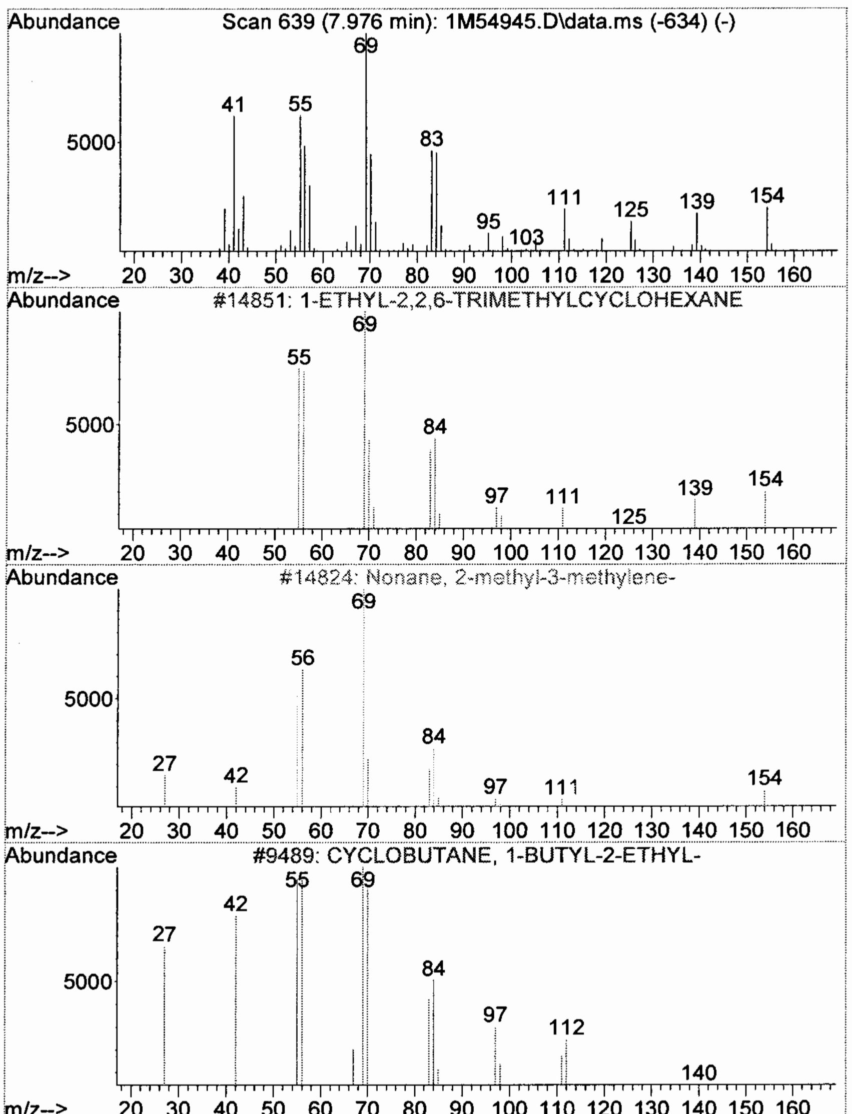
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

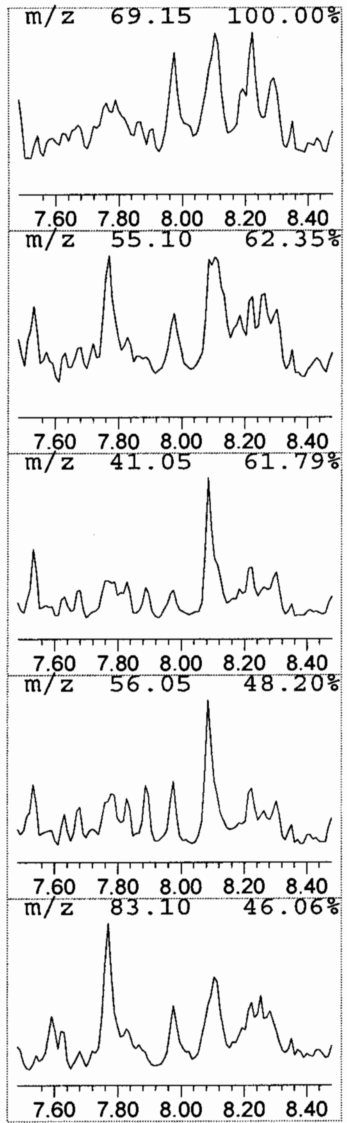
****

Peak Number 7 Cyclopentane, (2-methylbutyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	60.80 ug/l	1222521	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	74
2	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	22
3	CYCLOBUTANE, 1-BUTYL-2-ETHYL-	140	C10H20	000000-00-0	35
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
5	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	38





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On    : 10 Mar 2010  12:54
Operator  : WP
Sample    : AC50199-001
Misc      : S,5G!5
ALS Vial  : 63   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

*********************************************************************
Peak Number  8  Benzene, 1-methyl-2-(1-meth...  Concentration Rank  7
```
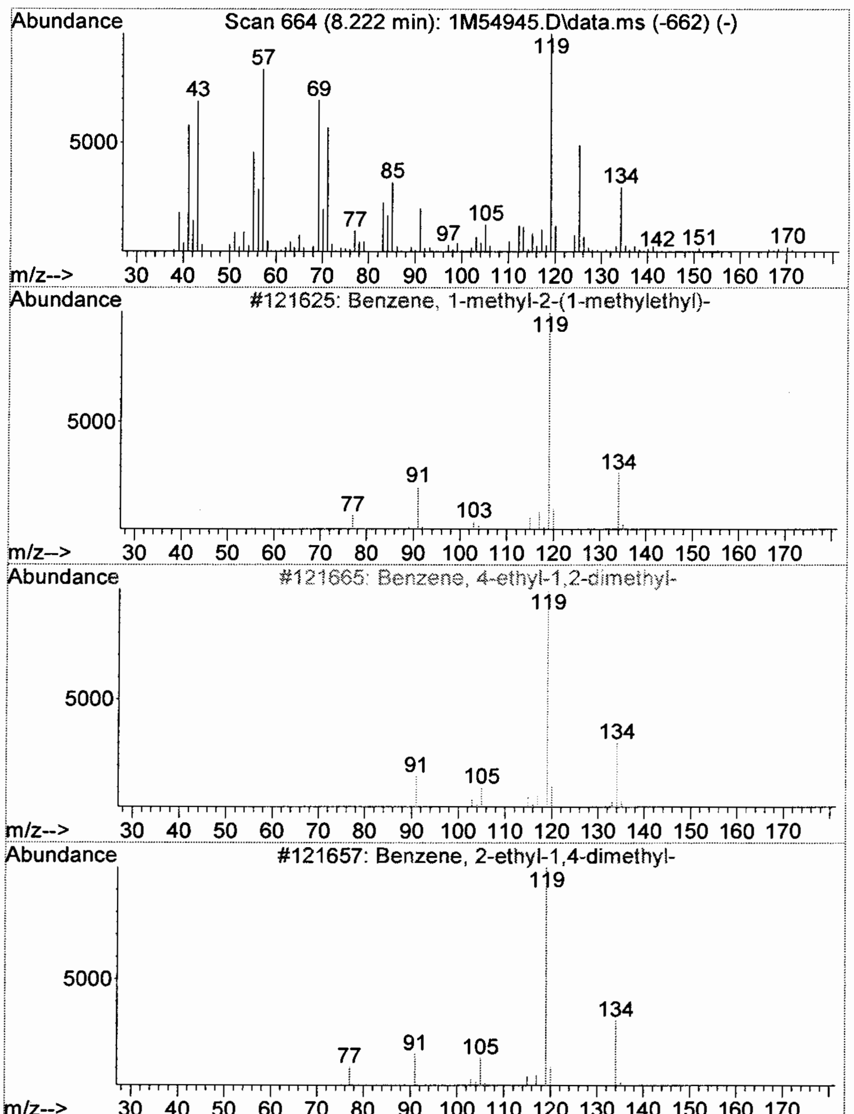
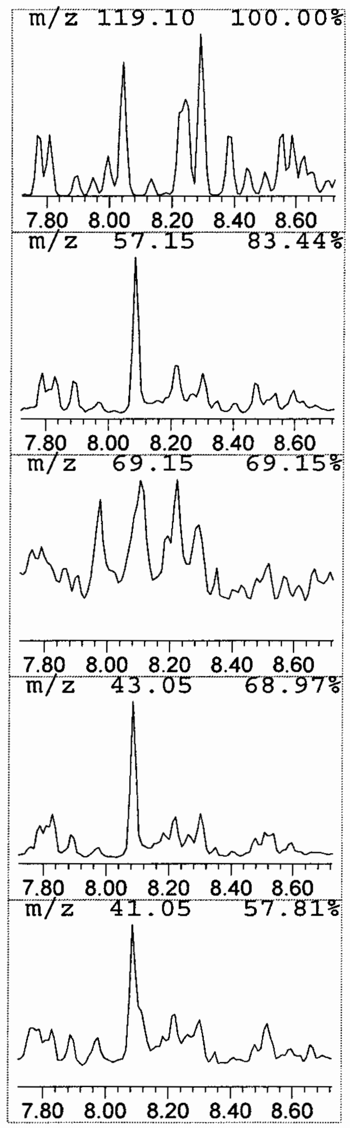

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	76.25 ug/l	1533313	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	83





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

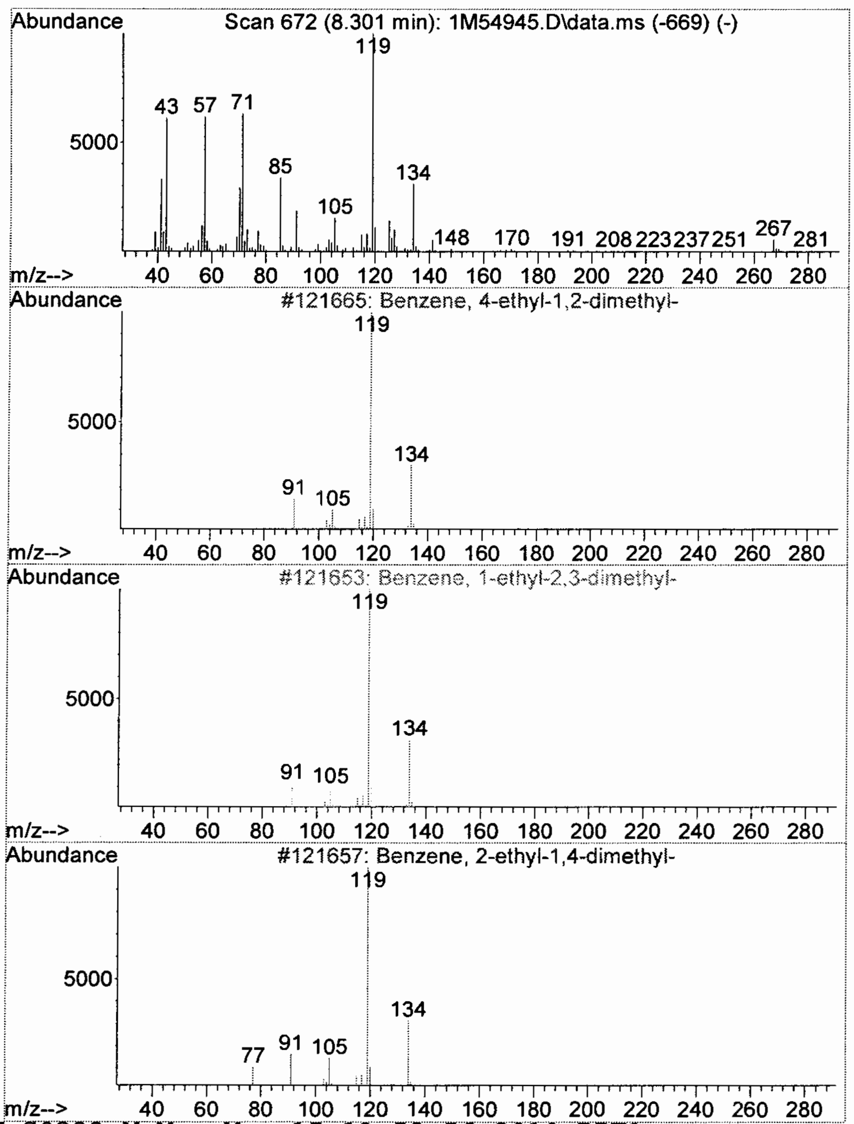
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

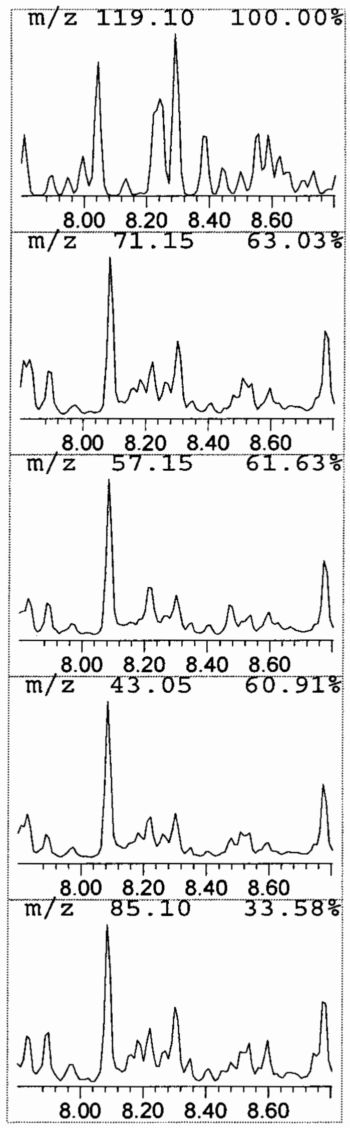
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	108.69 ug/l	2185518	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

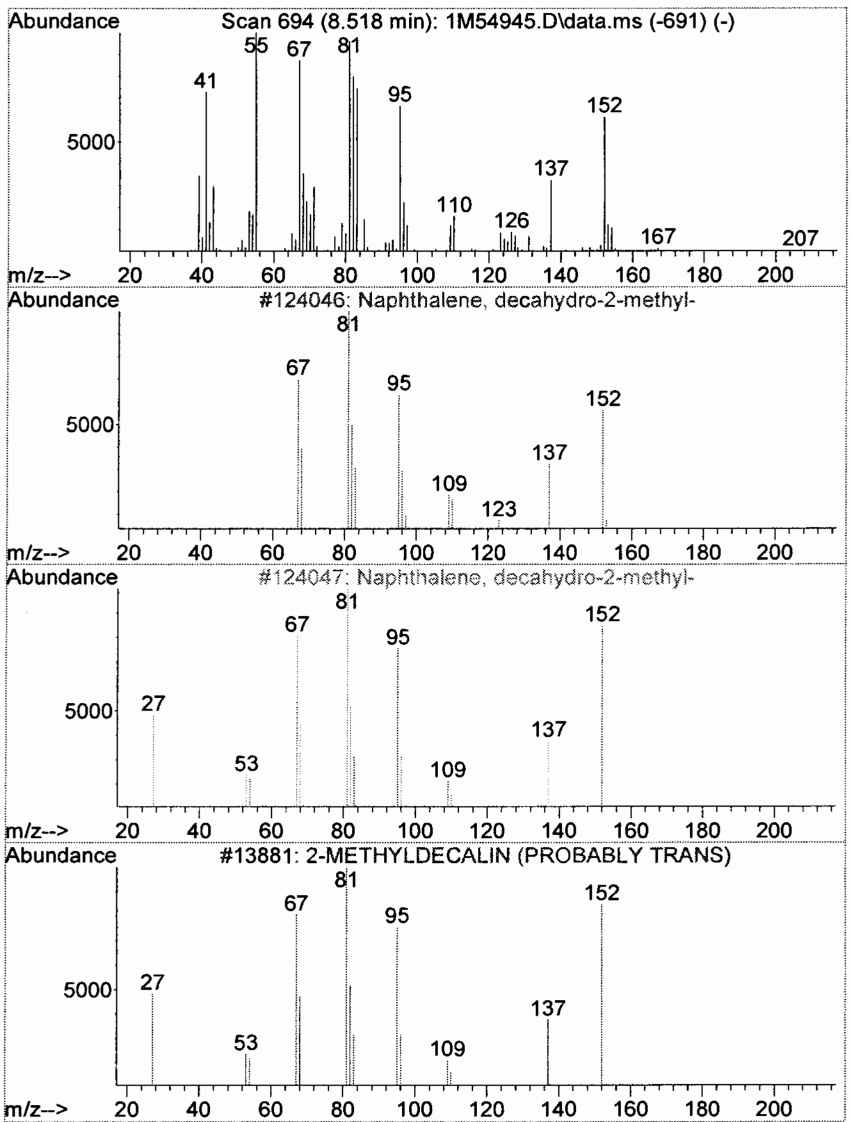
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

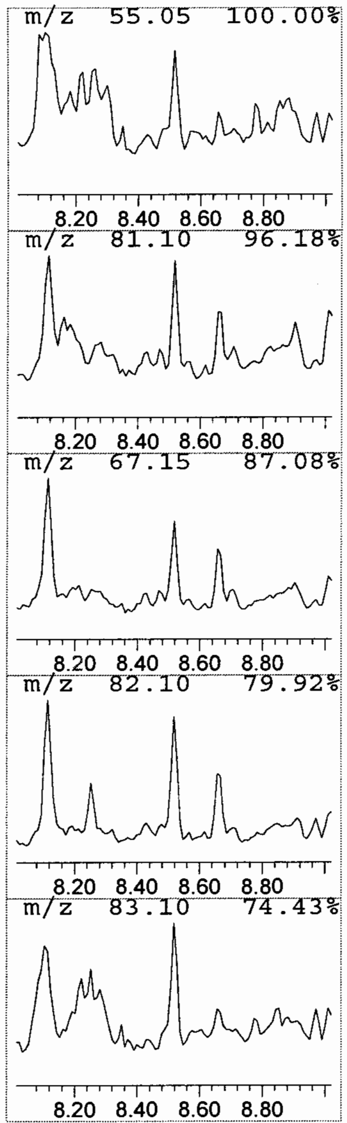
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	69.02 ug/l	1387907	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
3	2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	46
4	2-allyl-2-methylcyclohexanone	152	C10H16O	016178-87-3	43
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	30





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On    : 10 Mar 2010  12:54
Operator  : WP
Sample    : AC50199-001
Misc      : S,5G!5
ALS Vial  : 63   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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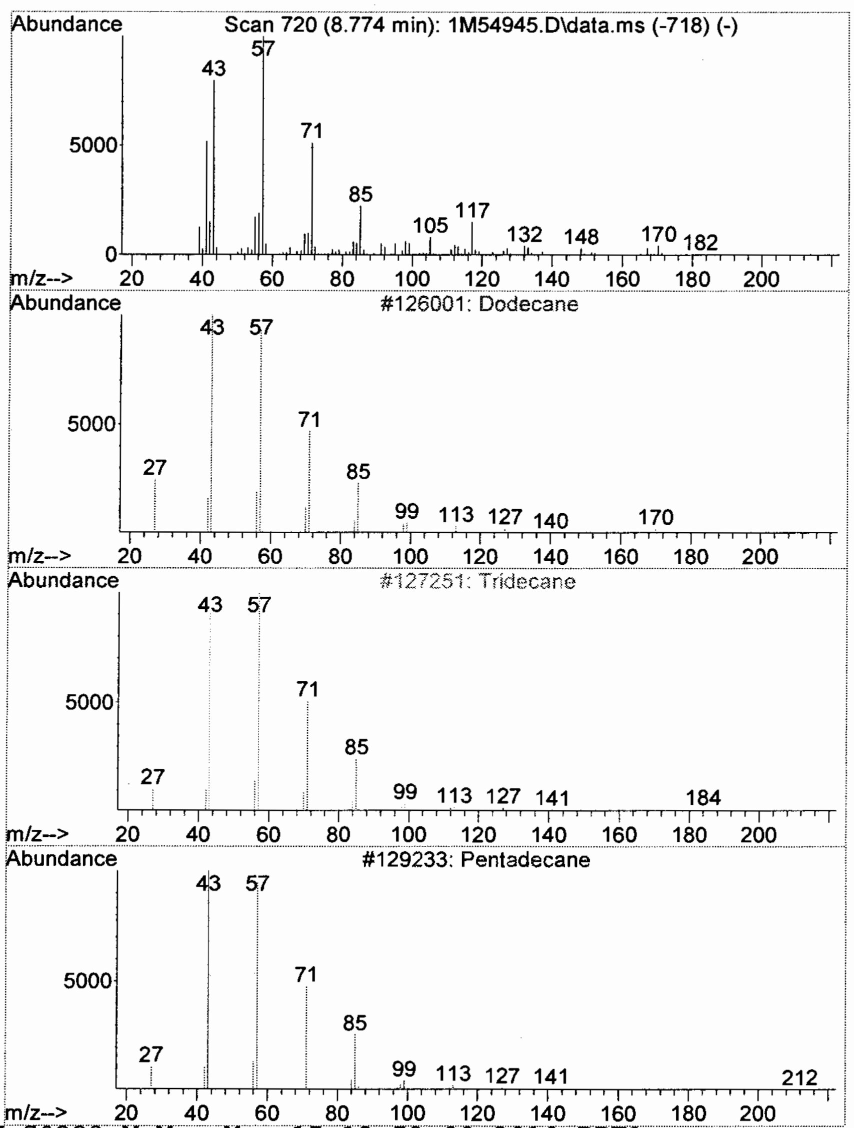
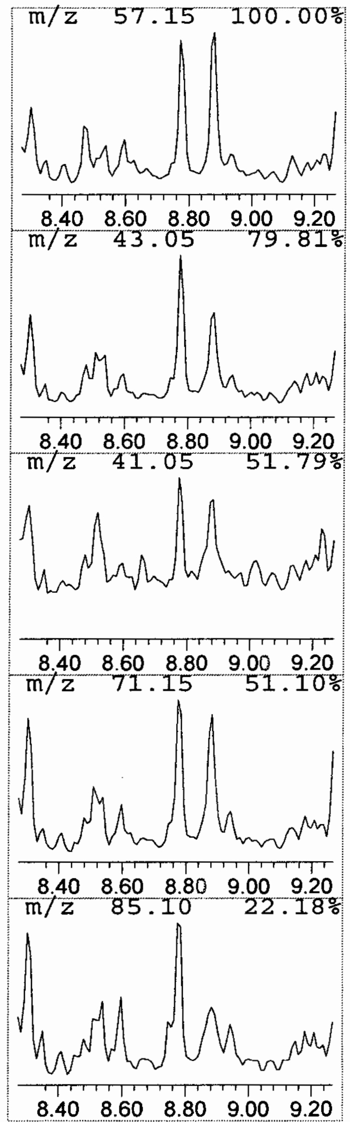
****

Peak Number 11 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	70.85 ug/l	1424714	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	72
2	Tridecane	184	C13H28	000629-50-5	72
3	Pentadecane	212	C15H32	000629-62-9	72
4	Dodecane	170	C12H26	000112-40-3	94
5	Hexadecane	226	C16H34	000544-76-3	72





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

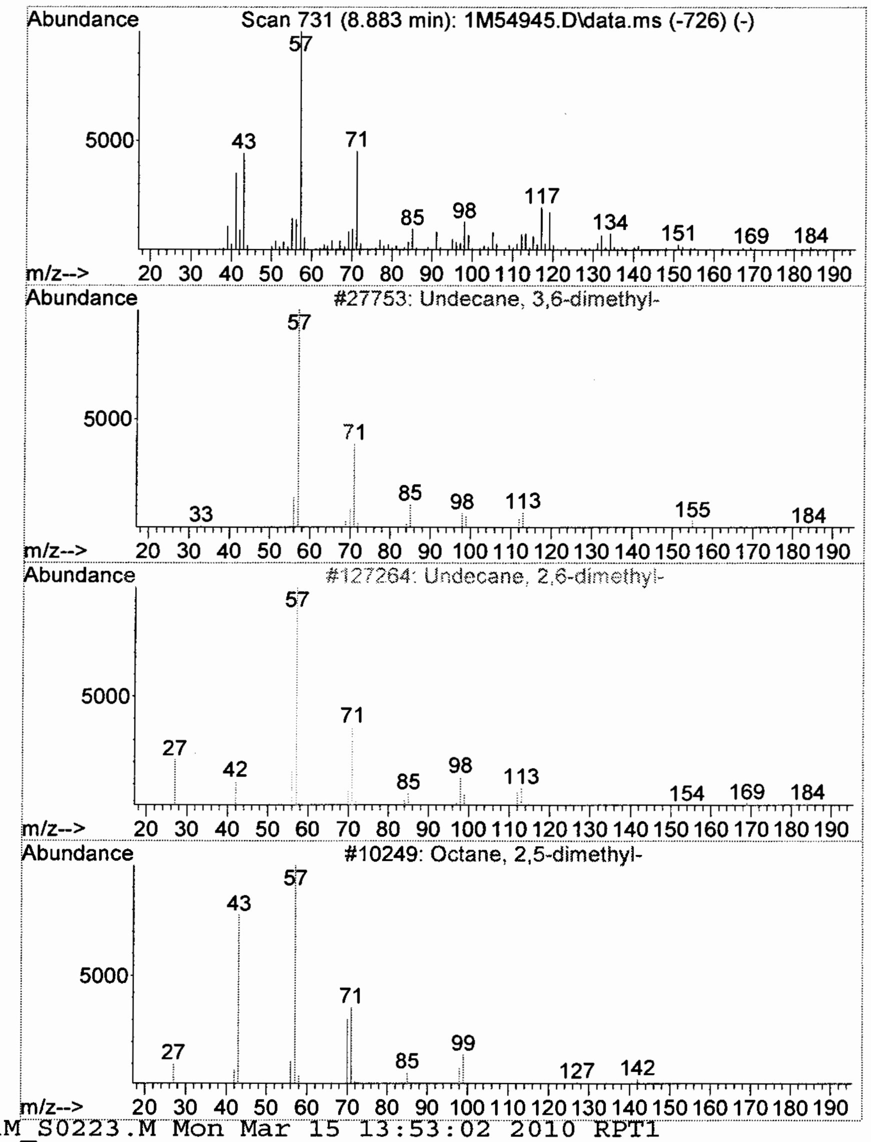
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

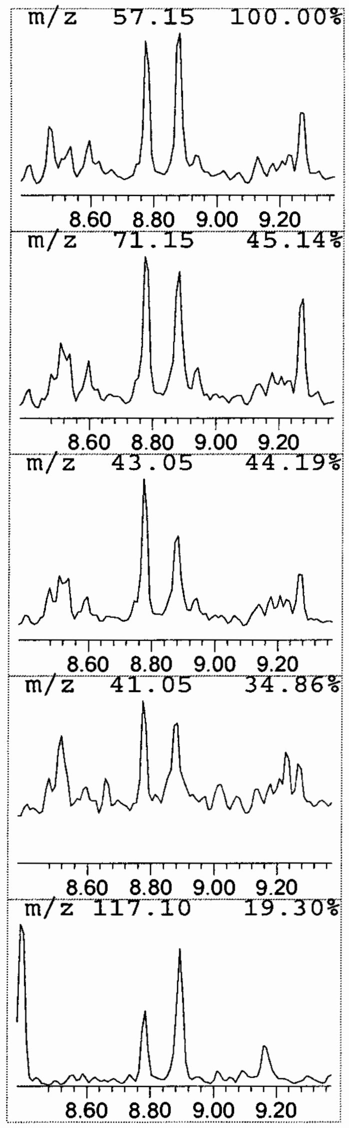
****

Peak Number 12 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	145.04 ug/l	2916501	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	46
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	52



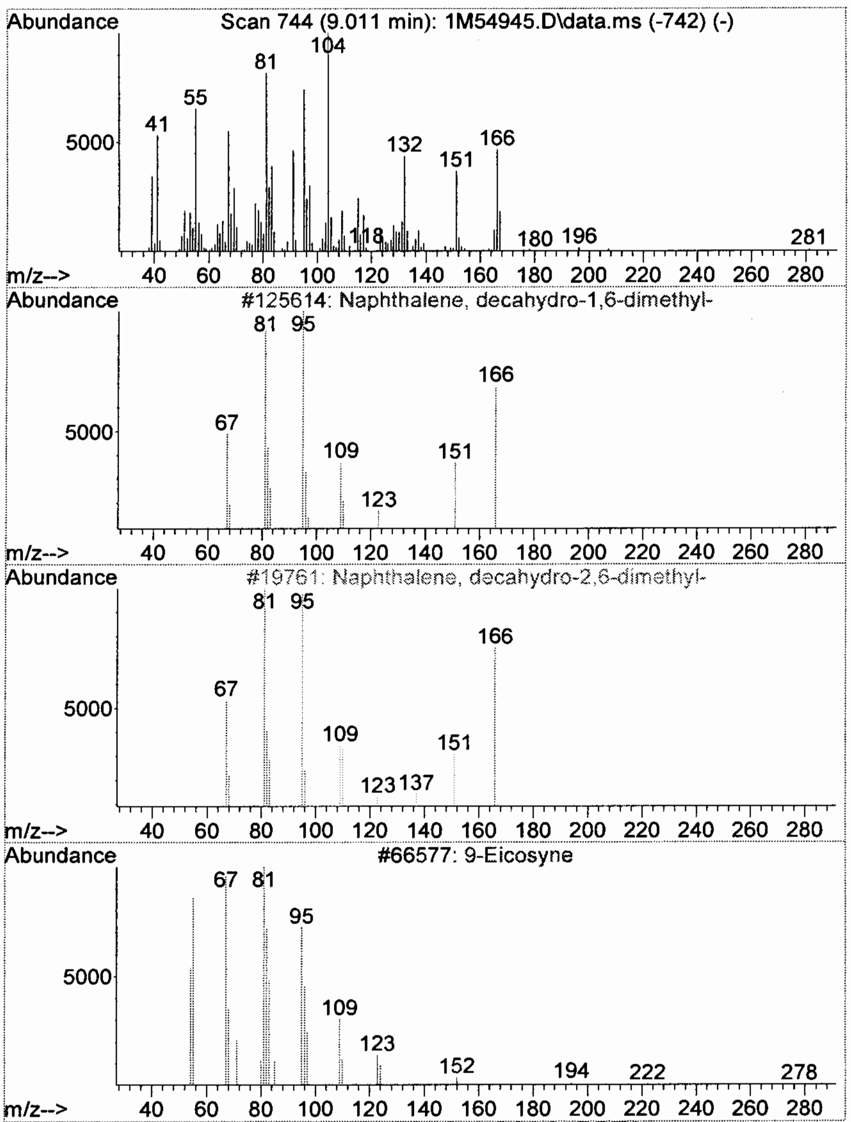


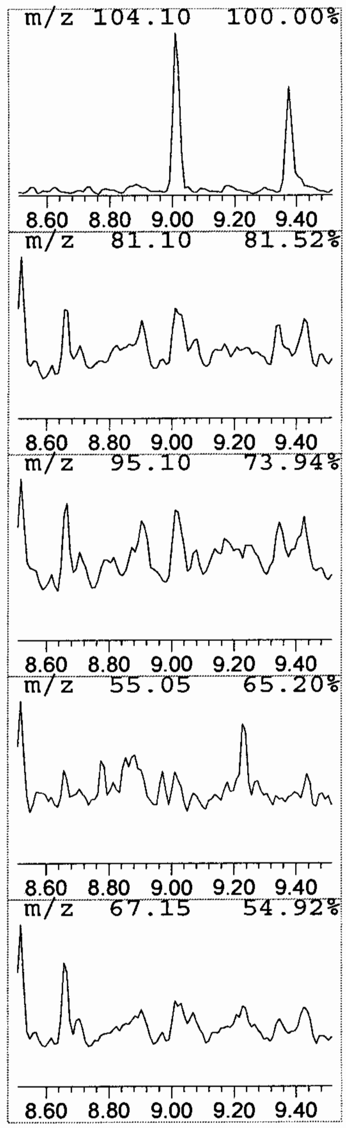
Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On    : 10 Mar 2010  12:54
Operator  : WP
Sample    : AC50199-001
Misc      : S,5G!5
ALS Vial  : 63   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

*********************************************************************
Peak Number 13  unknown                     Concentration Rank 13
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	56.44 ug/l	1134919	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	30
2	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	38
3	9-Eicosyne	278	C20H38	071899-38-2	10
4	5-Eicosyne	278	C20H38	074685-31-7	25
5	7-Heptadecyne, 1-chloro-	270	C17H31Cl	056554-74-6	27





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54945.D
Acq On : 10 Mar 2010 12:54
Operator : WP
Sample : AC50199-001
Misc : S,5G!5
ALS Vial : 63 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
unknown	6.94	115.0	ug/l	2997634	2	6.44	6.44	782198	30.0
1,1,2,3-TETRAMETH...	7.26	62.2	ug/l	1250452	3	7.86	7.86	603262	30.0
Decane	7.35	220.6	ug/l	4435274	3	7.86	7.86	603262	30.0
Decane, 4-methyl-	7.53	113.5	ug/l	2281429	3	7.86	7.86	603262	30.0
3,7-Decadiene, 2,...	7.77	192.2	ug/l	3864621	3	7.86	7.86	603262	30.0
Benzene, 1-ethyl-...	7.89	74.7	ug/l	1503079	3	7.86	7.86	603262	30.0
Cyclopentane, (2-...	7.98	60.8	ug/l	1222521	3	7.86	7.86	603262	30.0
Benzene, 1-methyl...	8.22	76.3	ug/l	1533313	3	7.86	7.86	603262	30.0
Benzene, 4-ethyl-...	8.30	108.7	ug/l	2185518	3	7.86	7.86	603262	30.0
Naphthalene, deca...	8.52	69.0	ug/l	1387907	3	7.86	7.86	603262	30.0
Dodecane	8.77	70.9	ug/l	1424714	3	7.86	7.86	603262	30.0
Undecane, 2,6-dim...	8.88	145.0	ug/l	2916501	3	7.86	7.86	603262	30.0
unknown	9.01	56.4	ug/l	1134919	3	7.86	7.86	603262	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-002
Client Id: PI-01-TP-RAS3030410SO1
Data File: 1M54914.D
Analysis Date: 03/09/10 18:30
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0089	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0089	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0089	U
79-00-5	1,1,2-Trichloroethane	0.0089	U
75-34-3	1,1-Dichloroethane	0.0089	U
75-35-4	1,1-Dichloroethene	0.0089	U
96-18-4	1,2,3-Trichloropropane	0.0089	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0018**	**0.028**
95-50-1	1,2-Dichlorobenzene	0.0089	U
107-06-2	1,2-Dichloroethane	0.0089	U
78-87-5	1,2-Dichloropropane	0.0089	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.0018**	**0.012**
541-73-1	1,3-Dichlorobenzene	0.0089	U
142-28-9	1,3-Dichloropropane	0.0089	U
106-46-7	1,4-Dichlorobenzene	0.0089	U
123-91-1	1,4-Dioxane	0.44	U
78-93-3	**2-Butanone**	**0.0089**	**0.035**
110-75-8	2-Chloroethylvinylether	0.0089	U
591-78-6	2-Hexanone	0.0089	U
99-87-6	**4-Isopropyltoluene**	**0.0018**	**0.010**
108-10-1	4-Methyl-2-Pentanone	0.0089	U
67-64-1	**Acetone**	**0.044**	**0.29**
107-02-8	Acrolein	0.044	U
107-13-1	Acrylonitrile	0.0089	U
71-43-2	Benzene	0.0018	U
75-27-4	Bromodichloromethane	0.0089	U
75-25-2	Bromoform	0.0089	U
74-83-9	Bromomethane	0.0089	U
75-15-0	**Carbon Disulfide**	**0.0089**	**0.039**
56-23-5	Carbon Tetrachloride	0.0089	U
108-90-7	Chlorobenzene	0.0089	U
75-00-3	Chloroethane	0.0089	U
67-66-3	Chloroform	0.0089	U
74-87-3	Chloromethane	0.0089	U
156-59-2	cis-1,2-Dichloroethene	0.0089	U
10061-01-5	cis-1,3-Dichloropropene	0.0089	U
124-48-1	Dibromochloromethane	0.0089	U
75-71-8	Dichlorodifluoromethane	0.0089	U
100-41-4	**Ethylbenzene**	**0.0018**	**0.0034**
98-82-8	**Isopropylbenzene**	**0.0018**	**0.0055**
136777612	**m&p-Xylenes**	**0.0018**	**0.010**
75-09-2	Methylene Chloride	0.0089	U
1634-04-4	Methyl-t-butyl ether	0.0018	U
104-51-8	**n-Butylbenzene**	**0.0018**	**0.0050**
103-65-1	**n-Propylbenzene**	**0.0018**	**0.0072**
95-47-6	**o-Xylene**	**0.0018**	**0.0084**
135-98-8	**sec-Butylbenzene**	**0.0018**	**0.0026**
100-42-5	Styrene	0.0089	U
75-65-0	t-Butyl Alcohol	0.044	U
98-06-6	t-Butylbenzene	0.0018	U
127-18-4	Tetrachloroethene	0.0089	U
108-88-3	**Toluene**	**0.0018**	**0.0032**
156-60-5	trans-1,2-Dichloroethene	0.0089	U
10061-02-6	trans-1,3-Dichloropropene	0.0089	U
79-01-6	Trichloroethene	0.0089	U
75-69-4	Trichlorofluoromethane	0.0089	U
75-01-4	Vinyl Chloride	0.0089	U
1330-20-7	**Xylenes (Total)**	**0.0018**	**0.0184**

Worksheet #: 145101

Total Target Concentration 0.46

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: AC50199-002
Client Id: PI-01-TP-RAS3030410
Data File: 1M54914.D
Analysis Date: 03/09/10 18:30
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 56
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	79-92-5	Camphene	7.23	0.051 J
2	20536-40-7	ENDOISOCAMPHANE	7.47	0.050 J
3	933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	8.29	0.063 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.088 J
5	3290-53-7	Benzene, (2-methyl-2-propenyl)-	8.78	0.066 J
6	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.89	0.11 J
7	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.09	0.12 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.20	0.094 J
9	91-20-3	Naphthalene	9.33	0.085 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.68	0.055 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 0.78

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)

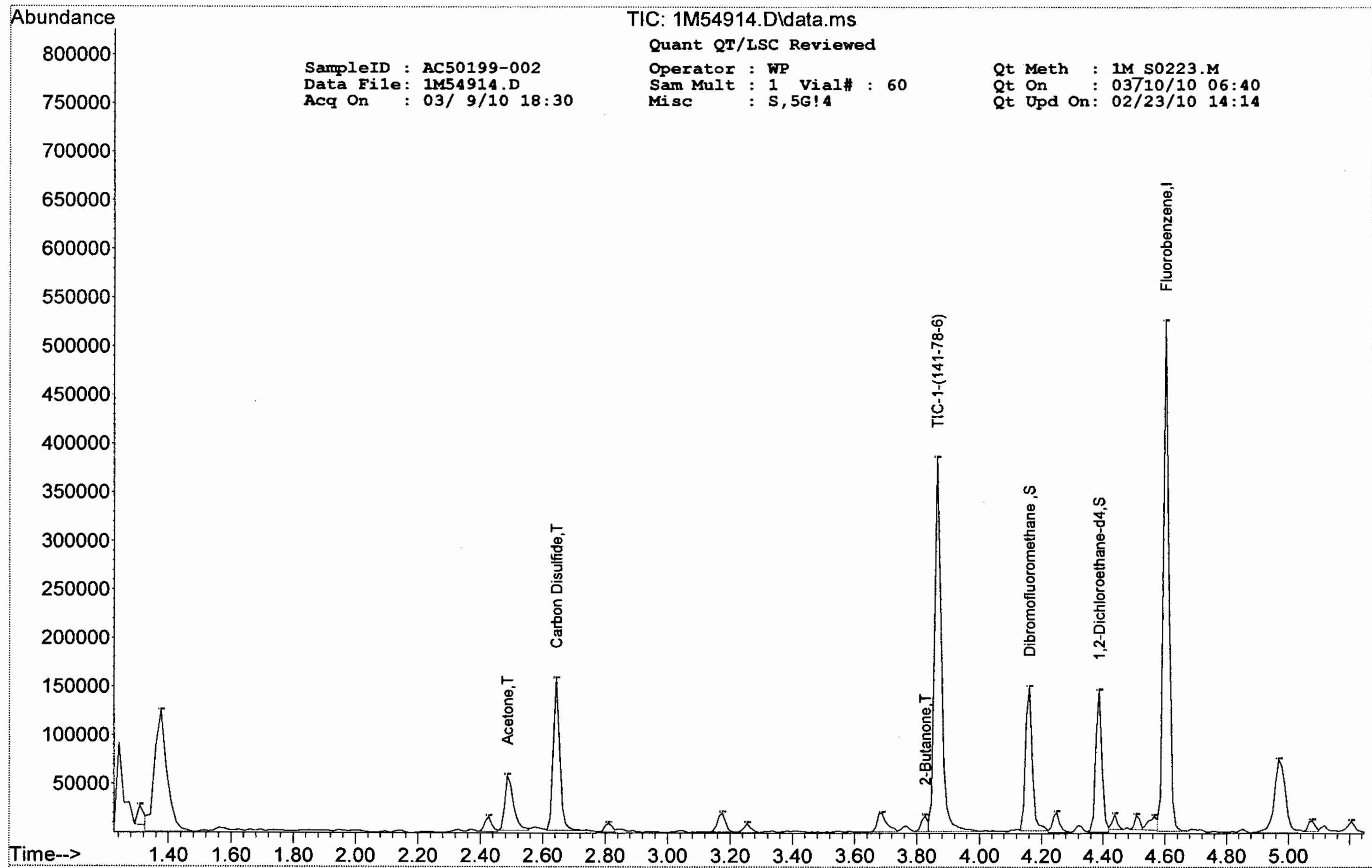
SampleID : AC50199-002 Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54914.D Sam Mult : 1 Vial# : 60 Qt On : 03/10/10 06:40
Acq On : 03/ 9/10 18:30 Misc : S,5G!4 Qt Upd On: 02/23/10 14:14

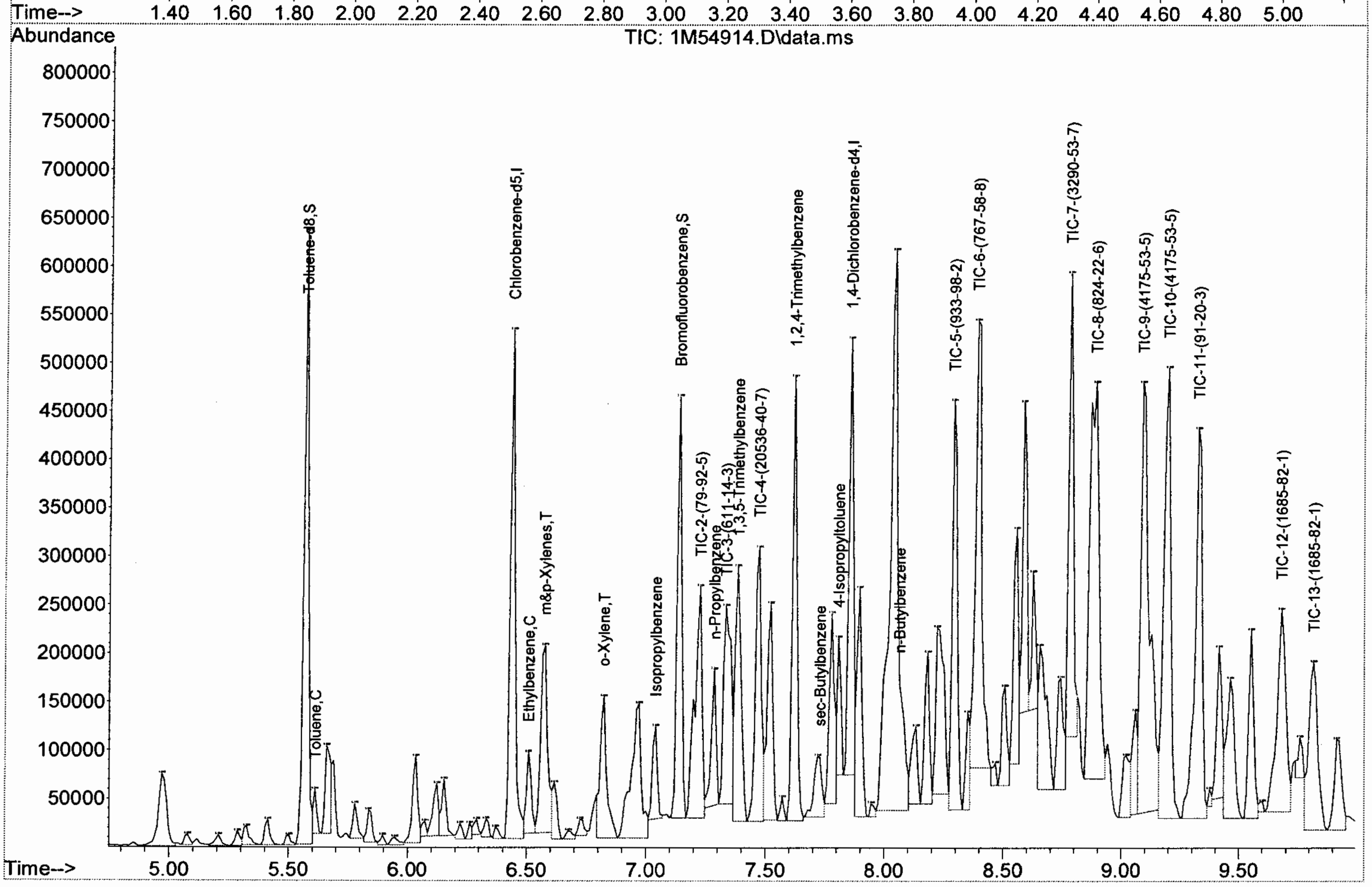
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

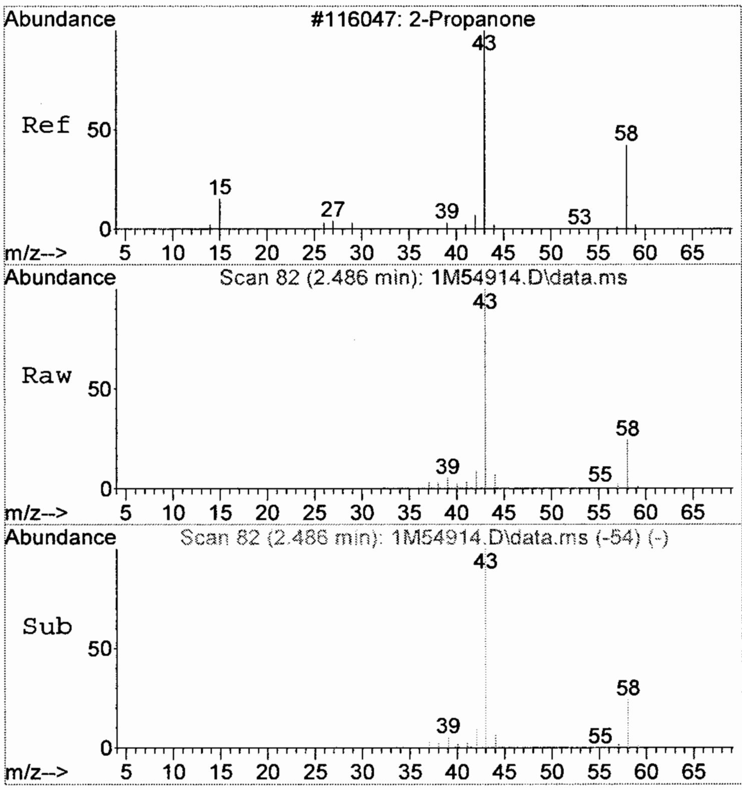
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	234321	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	202255	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	112683	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.162	111	65317	30.95 ug/l	0.00
Spiked Amount 30.000			Recovery =	103.17%	
35) 1,2-Dichloroethane-d4	4.388	102	11952	31.25 ug/l	0.00
Spiked Amount 30.000			Recovery =	104.17%	
59) Toluene-d8	5.571	100	161770	26.65 ug/l	0.00
Spiked Amount 30.000			Recovery =	88.83%	
67) Bromofluorobenzene	7.138	174	97201	29.09 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.97%	
Target Compounds					Qvalue
17) Acetone	2.486	43	81970	163.31 ug/l	98
18) Carbon Disulfide	2.644	76	162800	22.02 ug/l	100
37) 2-Butanone	3.826	43	16413m	19.62 ug/l	
60) Toluene	5.610	92	12620	1.78 ug/l	86
65) Ethylbenzene	6.507	106	7146	1.92 ug/l	100
69) m&p-Xylenes	6.576	106	31736	5.62 ug/l	91
70) o-Xylene	6.823	106	25282	4.73 ug/l	85
75) Isopropylbenzene	7.039	105	45554	3.13 ug/l	96
81) n-Propylbenzene	7.286	91	74043	4.07 ug/l	98
83) 1,3,5-Trimethylbenzene	7.384	105	87434	6.81 ug/l	97
85) 1,2,4-Trimethylbenzene	7.621	105	201518	16.05 ug/l	82
86) sec-Butylbenzene	7.729	105	22550	1.44 ug/l	73
87) 4-Isopropyltoluene	7.808	119	76785m	5.86 ug/l	
88) n-Butylbenzene	8.064	91	45781m	2.84 ug/l	
Library Search Internal Standards TIC Results					
1) Fluorobenzene	4.605		681554	30.00 ug/l	--
2) Chlorobenzene-d5	6.438		752945	30.00 ug/l	--
3) 1,4-Dichlorobenzene-d4	7.857		532989m	30.00 ug/l	--
Library Search Compounds					
1) 141-78-6	3.870		577105	25.40 ug/l	90
2) 79-92-5	7.230		510289	28.72 ug/l	95
3) 611-14-3	7.340		469039	26.40 ug/l	94
4) 20536-40-7	7.470		497841	28.02 ug/l	94
5) 933-98-2	8.290		631391	35.54 ug/l	90
6) 767-58-8	8.390		880404	49.55 ug/l	58
7) 3290-53-7	8.780		664396	37.40 ug/l	60
8) 824-22-6	8.890		1147784	64.60 ug/l	87
9) 4175-53-5	9.090		1153935	64.95 ug/l	93
10) 4175-53-5	9.200		945414	53.21 ug/l	91
11) 91-20-3	9.330		853895	48.06 ug/l	91
12) 1685-82-1	9.680		550510	30.99 ug/l	94
13) 1685-82-1	9.820		460388	25.91 ug/l	76

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

lc


Abundance
TIC: 1M54914.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-002
Data File: 1M54914.D
Acq On : 03/ 9/10 18:30
Operator : WP
Sam Mult : 1 Vial# : 60
Misc : S,5G!4
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 06:40
Qt Upd On: 02/23/10 14:14
Acetone,T
Carbon Disulfide,T
2-Butanone,T
TIC-1-(141-78-6)
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->

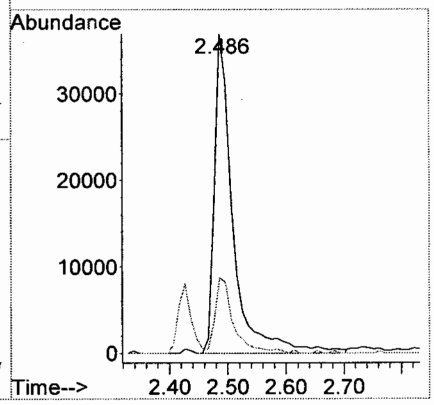

Abundance
TIC: 1M54914.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
TIC-2-(79-92-5)
n-Propylbenzene
TIC-3-(611-14-3)
1,3,5-Trimethylbenzene
TIC-4-(20536-40-7)
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
TIC-5-(933-98-2)
TIC-6-(767-58-8)
TIC-7-(3290-53-7)
TIC-8-(824-22-6)
TIC-9-(4175-53-5)
TIC-10-(4175-53-5)
TIC-11-(91-20-3)
TIC-12-(1685-82-1)
TIC-13-(1685-82-1)
Time-->

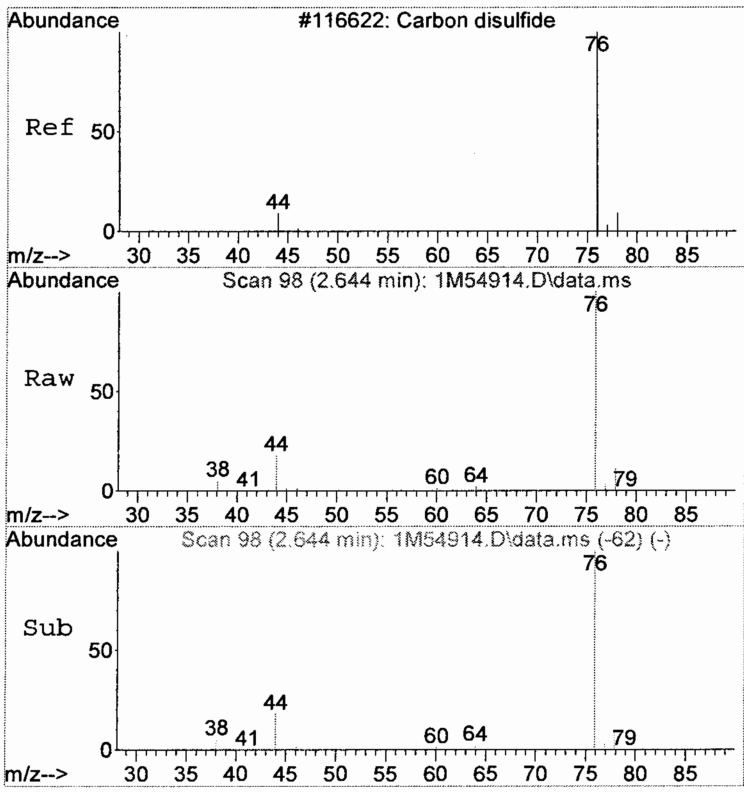


#17
Acetone
Concen: 163.31 ug/l
RT: 2.486 min Scan# 82
Delta R.T. -0.019 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 43 Resp: 81970

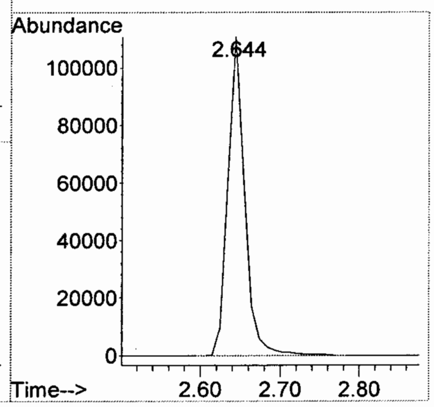
Ion	Ratio	Lower	Upper
43	100		
58	23.6	0.0	64.8

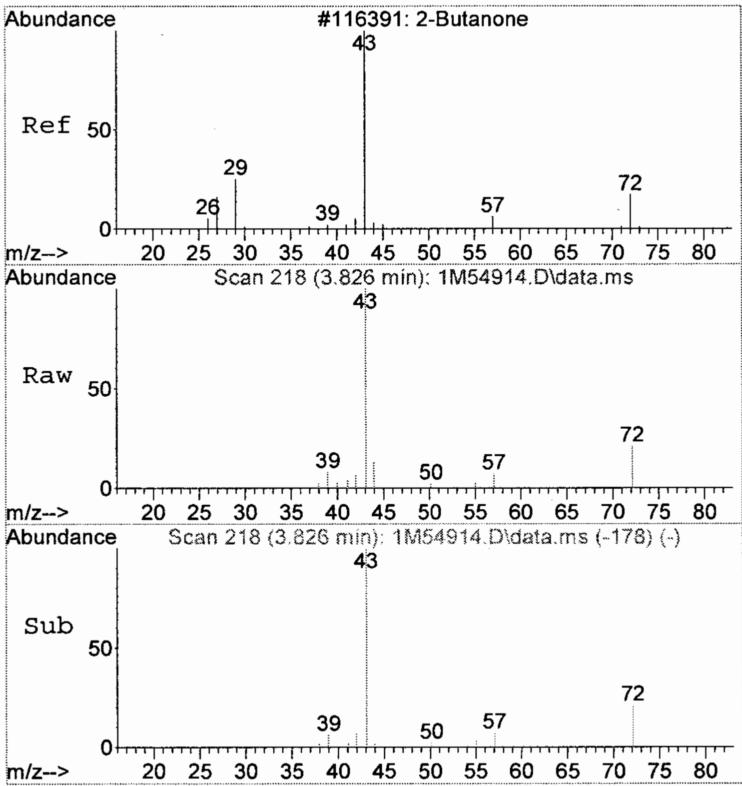




#18
Carbon Disulfide
Concen: 22.02 ug/l
RT: 2.644 min Scan# 98
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 76 Resp: 162800

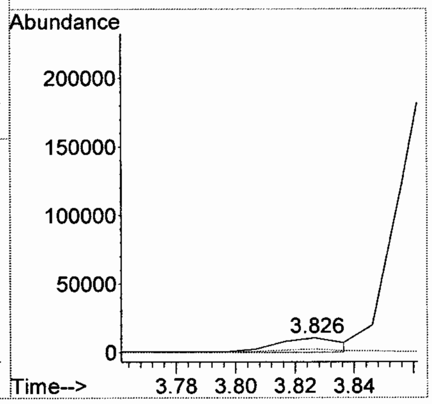


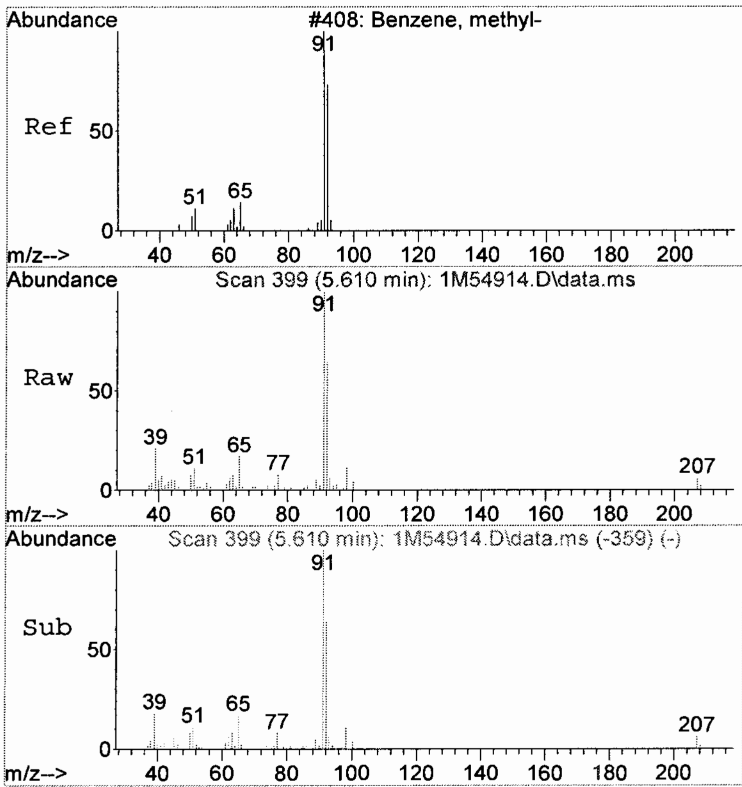


#37
2-Butanone
Concen: 19.62 ug/l m
RT: 3.826 min Scan# 218
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 43 Resp: 16413

Ion	Ratio	Lower	Upper
43	100		
72	21.5	0.0	66.2

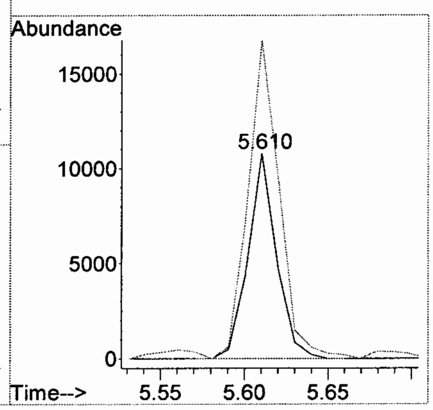


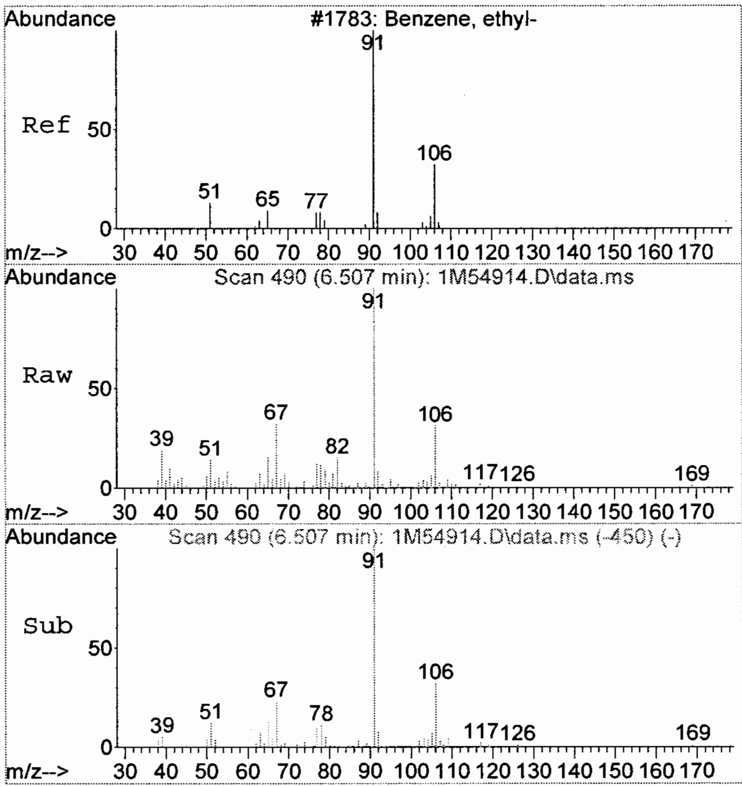


#60
Toluene
Concen: 1.78 ug/l
RT: 5.610 min Scan# 399
Delta R.T. -0.009 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 92 Resp: 12620

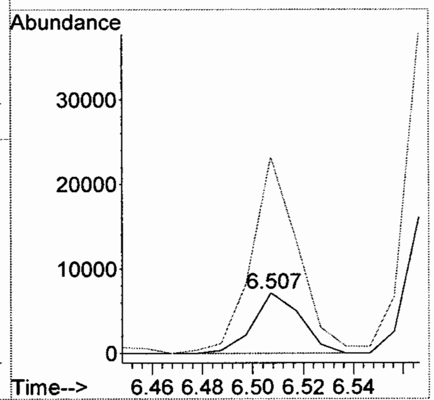
Ion	Ratio	Lower	Upper
92	100		
91	153.5	104.1	242.9

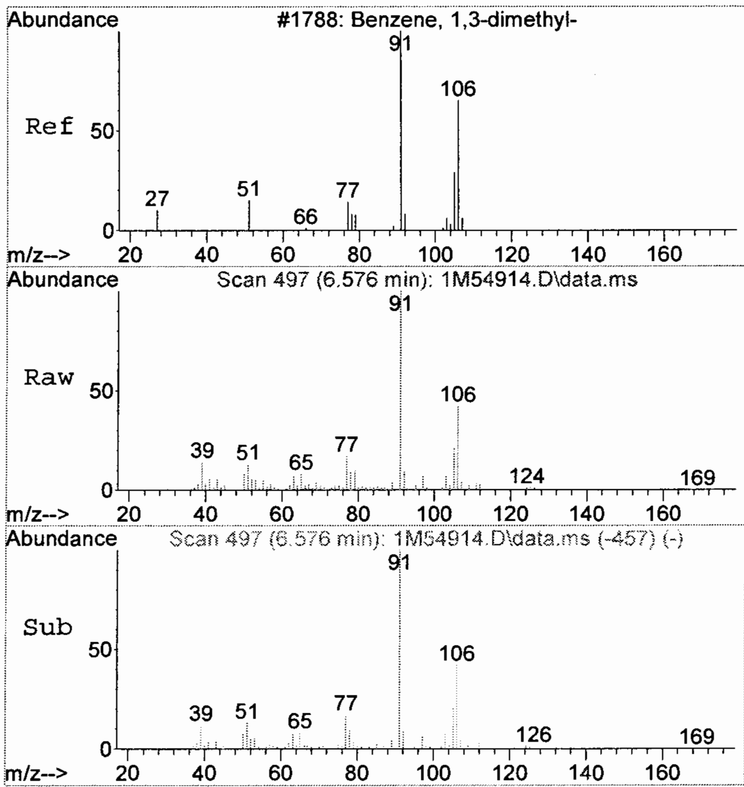




#65
Ethylbenzene
Concen: 1.92 ug/l
RT: 6.507 min Scan# 490
Delta R.T. -0.009 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

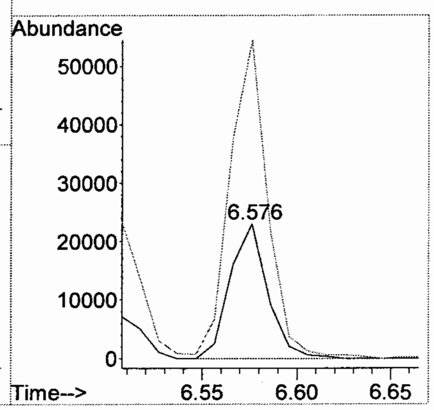
Tgt	Ion:106	Resp:	7146
Ion	Ratio	Lower	Upper
106	100		
91	319.6	191.5	446.7

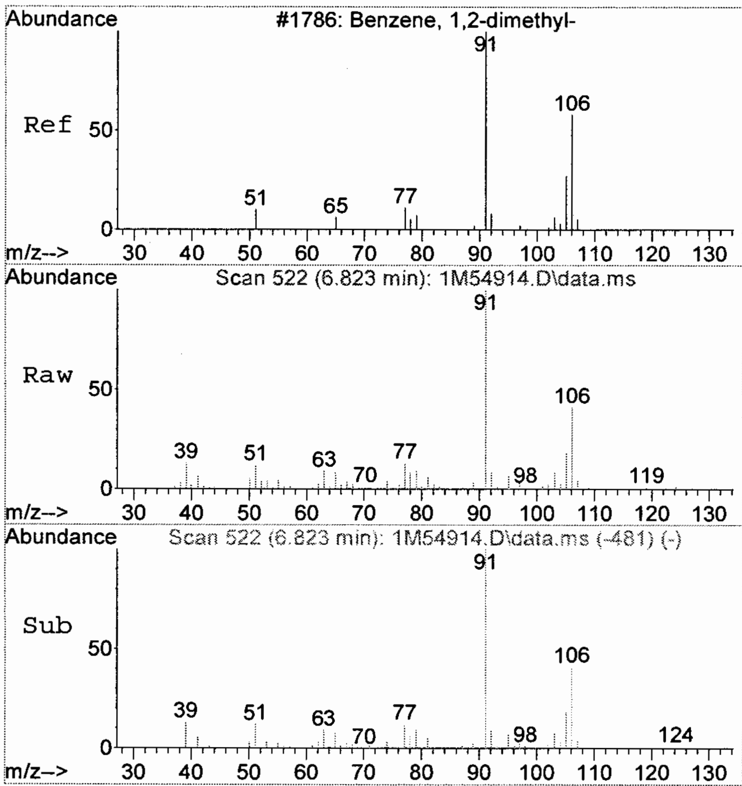




#69
m&p-Xylenes
Concen: 5.62 ug/l
RT: 6.576 min Scan# 497
Delta R.T. -0.009 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

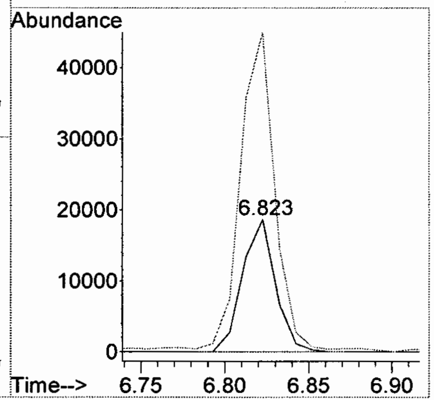
Tgt	Ion:106	Resp:	31736
Ion	Ratio	Lower	Upper
106	100		
91	234.2	132.0	308.0

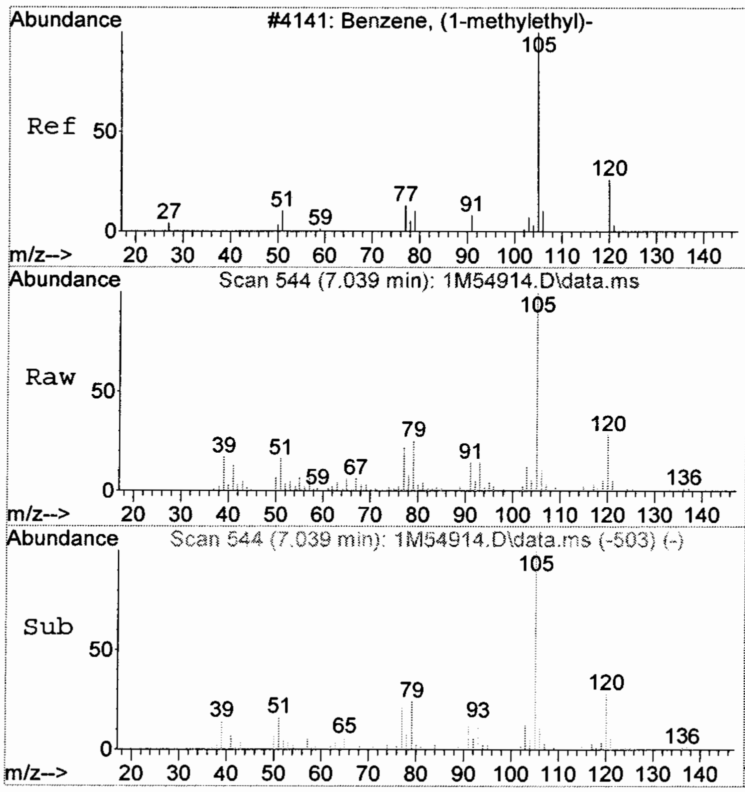




#70
o-Xylene
Concen: 4.73 ug/l
RT: 6.823 min Scan# 522
Delta R.T. 0.001 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

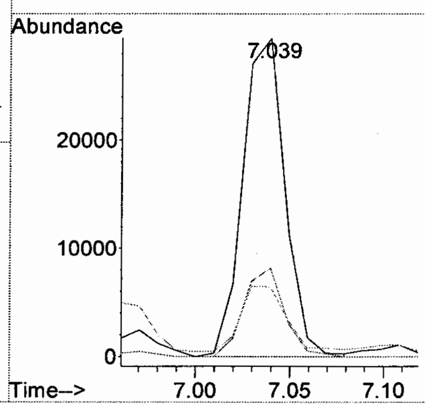
Tgt	Ion:106	Resp:	25282
Ion	Ratio	Lower	Upper
106	100		
91	239.4	129.1	301.1

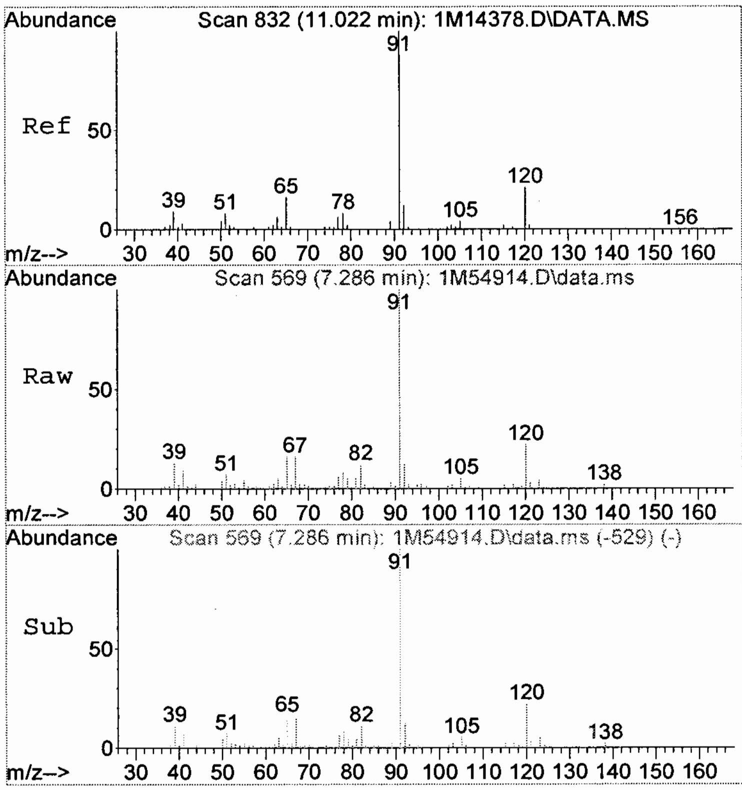




#75
Isopropylbenzene
Concen: 3.13 ug/l
RT: 7.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt	Ion:105	Resp:	45554
Ion	Ratio	Lower	Upper
105	100		
120	26.6	0.0	66.9
77	22.1	0.0	58.3

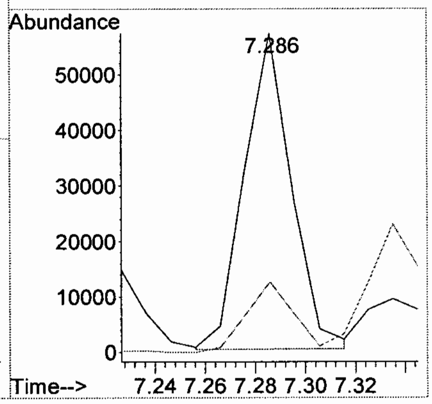


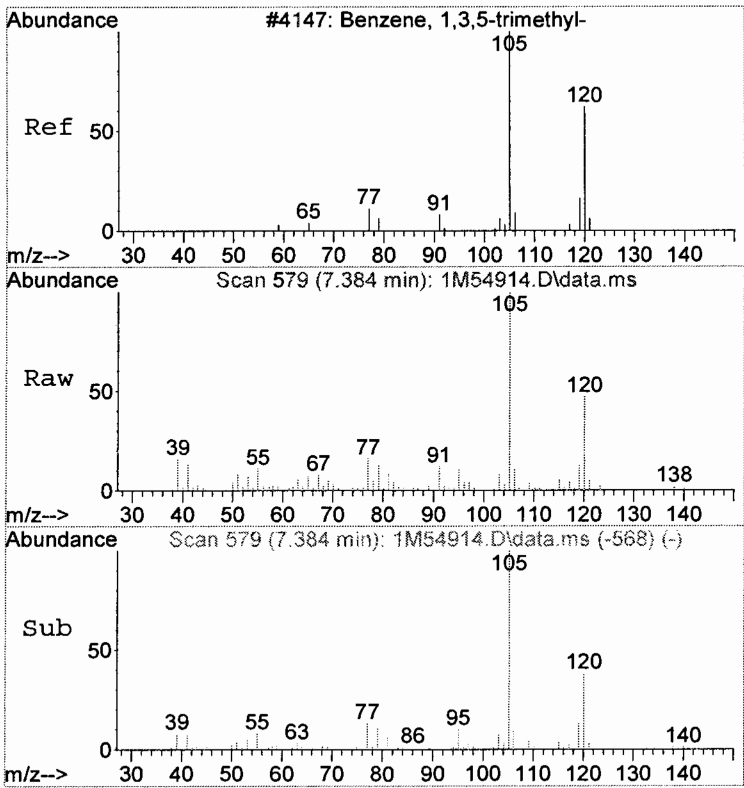


#81
n-Propylbenzene
Concen: 4.07 ug/l
RT: 7.286 min Scan# 569
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 91 Resp: 74043

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	61.6

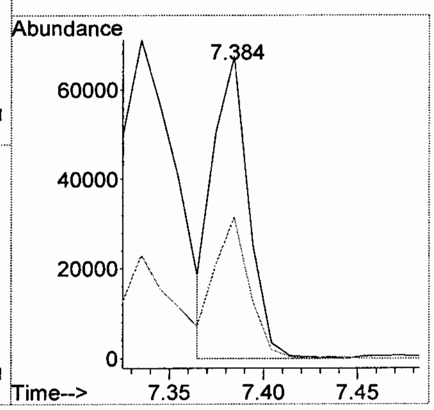


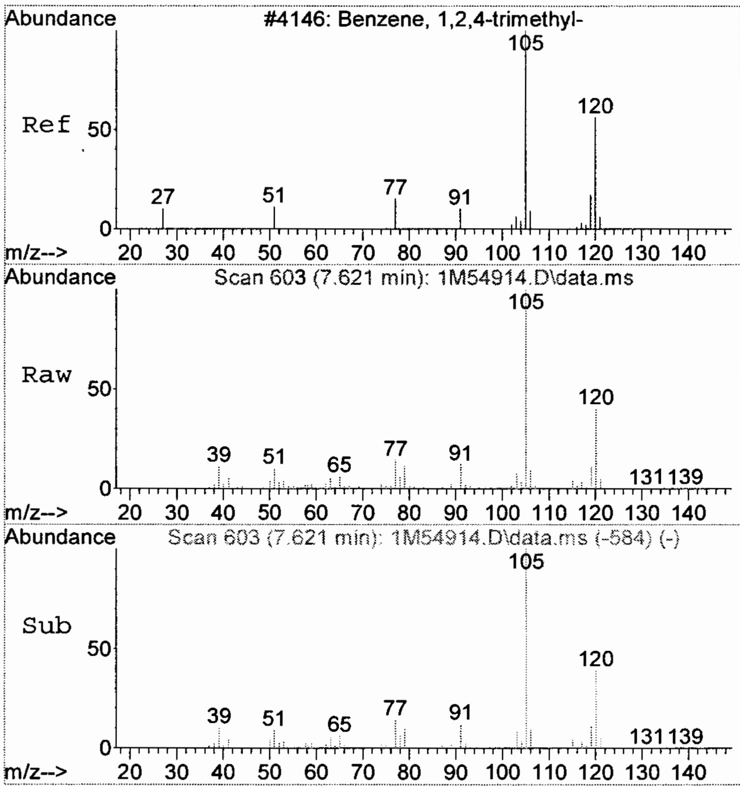


#83
1,3,5-Trimethylbenzene
Concen: 6.81 ug/l
RT: 7.384 min Scan# 579
Delta R.T. -0.009 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion:105 Resp: 87434

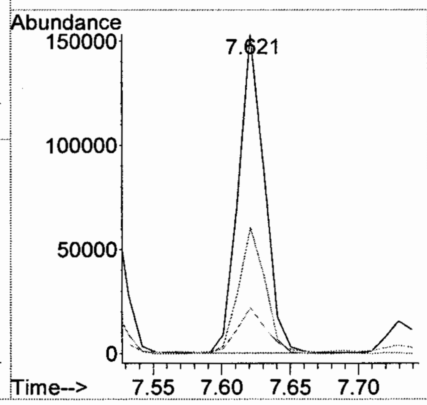
Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	94.0

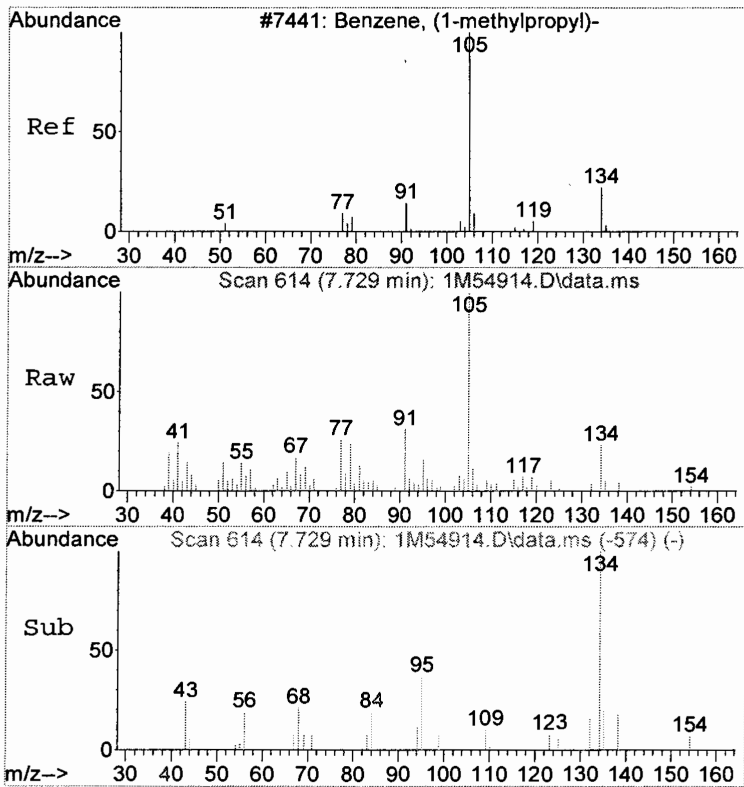




#85
1,2,4-Trimethylbenzene
Concen: 16.05 ug/l
RT: 7.621 min Scan# 603
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

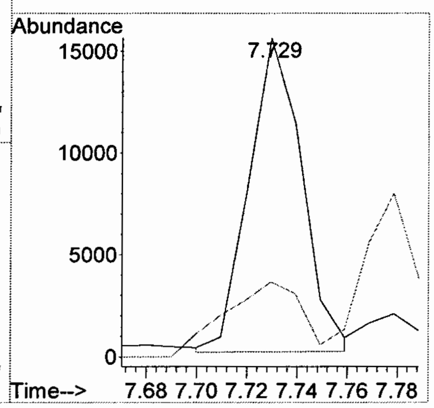
Tgt	Ion:105	Resp:	201518
Ion	Ratio	Lower	Upper
105	100		
120	40.4	12.2	92.2
77	15.6	0.0	66.0

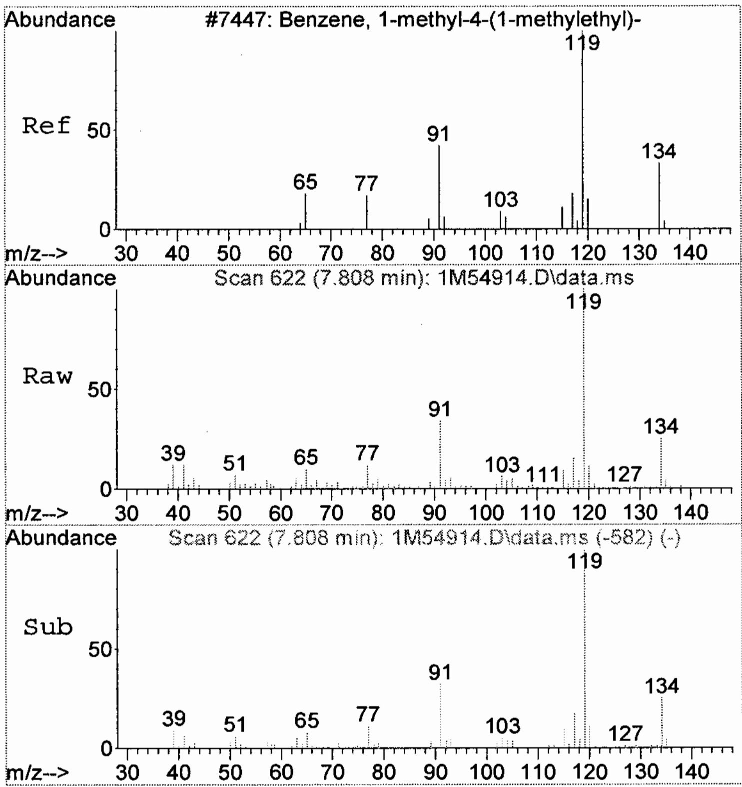




#86
sec-Butylbenzene
Concen: 1.44 ug/l
RT: 7.729 min Scan# 614
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt	Ion:105	Resp:	22550
Ion	Ratio	Lower	Upper
105	100		
134	34.8	0.0	61.8

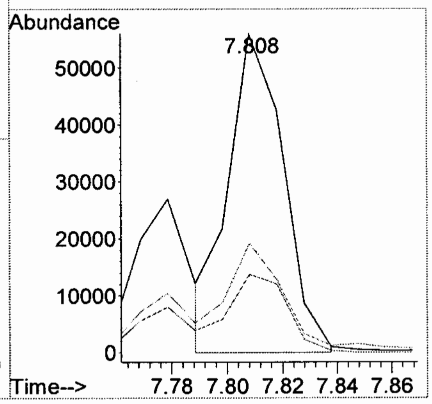


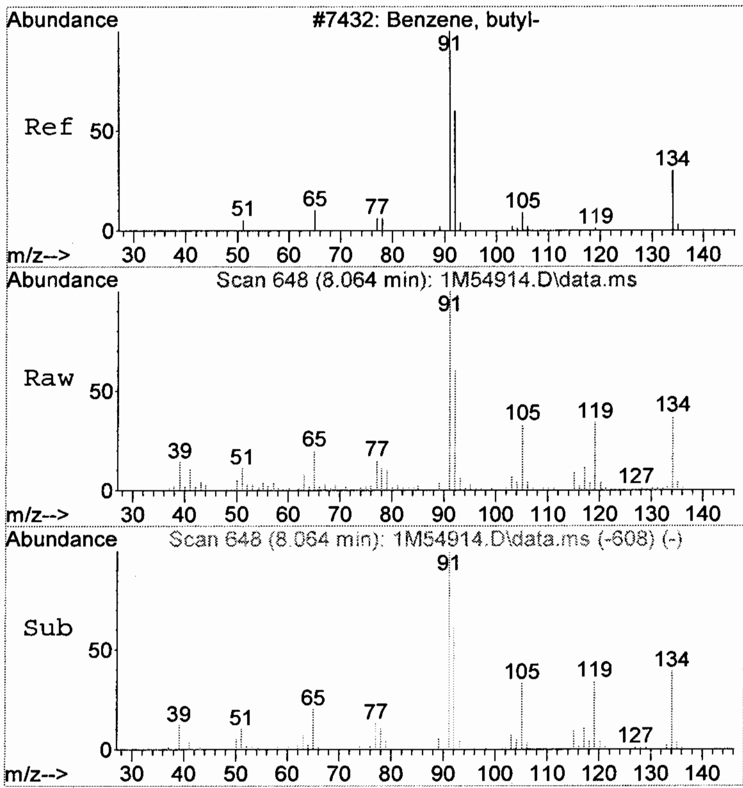


#87
4-Isopropyltoluene
Concen: 5.86 ug/l m
RT: 7.808 min Scan# 622
Delta R.T. -0.009 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion:119 Resp: 76785

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	66.7
91	49.3	0.0	66.3

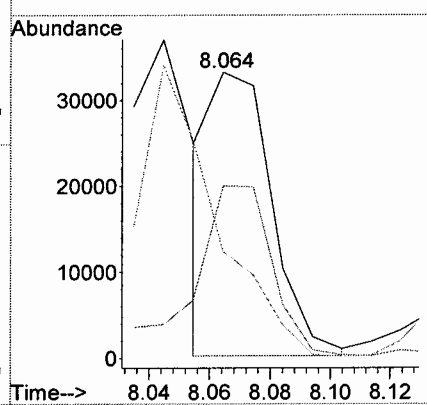




#88
n-Butylbenzene
Concen: 2.84 ug/l m
RT: 8.064 min Scan# 648
Delta R.T. -0.010 min
Lab File: 1M54914.D
Acq: 9 Mar 2010 18:30

Tgt Ion: 91 Resp: 45781

Ion	Ratio	Lower	Upper
91	100		
92	76.7	8.4	88.4
134	128.3	3.6	83.6#



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54914.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.309	5	6	7	rBV	19095	28367	1.87%	0.115%
2	1.376	7	10	16	rVB	124120	339514	22.41%	1.371%
3	2.427	73	76	79	rBV	15085	23956	1.58%	0.097%
4	2.486	79	82	89	rVV	56072	106717	7.04%	0.431%
5	2.644	95	98	106	rVB	155509	221166	14.60%	0.893%
6	2.811	112	115	117	rBV2	8423	14176	0.94%	0.057%
7	3.176	148	152	157	rBV	19437	34983	2.31%	0.141%
8	3.255	157	160	164	rVB	8718	12989	0.86%	0.052%
9	3.688	200	204	209	rBV2	18552	40751	2.69%	0.165%
10	3.826	215	218	219	rBV	15933	23167	1.53%	0.094%
11	3.866	219	222	236	rVB	383442	577105	38.09%	2.330%
12	4.162	249	252	258	rVB	146814	218716	14.43%	0.883%
13	4.250	258	261	266	rVB2	19917	32319	2.13%	0.130%
14	4.388	271	275	278	rBV	144870	200896	13.26%	0.811%
15	4.437	278	280	283	rVB	15088	16636	1.10%	0.067%
16	4.506	285	287	289	rBV2	14260	17317	1.14%	0.070%
17	4.566	289	293	294	rVV3	13727	28851	1.90%	0.116%
18	4.605	294	297	304	rVB	523392	649155	42.84%	2.620%
19	4.970	325	334	340	rBV3	74662	185020	12.21%	0.747%
20	5.078	342	345	347	rBV2	10841	17247	1.14%	0.070%
21	5.206	354	358	363	rVB4	10825	19380	1.28%	0.078%
22	5.285	363	366	368	rBV3	15072	23042	1.52%	0.093%
23	5.325	368	370	376	rVB2	19112	33421	2.21%	0.135%
24	5.413	376	379	385	rBV2	26141	39723	2.62%	0.160%
25	5.502	385	388	391	rBV4	10193	17346	1.14%	0.070%
26	5.571	391	395	398	rBV	632264	835860	55.16%	3.374%
27	5.610	398	399	402	rVB	45222	40133	2.65%	0.162%
28	5.660	402	404	406	rBV	90368	156007	10.30%	0.630%
29	5.778	414	416	420	rBV2	35627	48307	3.19%	0.195%
30	5.837	420	422	426	rVB2	33154	49872	3.29%	0.201%
31	5.896	426	428	430	rVB2	9802	11369	0.75%	0.046%
32	5.945	430	433	437	rBV5	8012	18550	1.22%	0.075%
33	6.034	437	442	444	rBV	89118	144316	9.52%	0.583%
34	6.074	444	446	447	rVV	15364	19065	1.26%	0.077%
35	6.123	447	451	452	rVV2	53617	88342	5.83%	0.357%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	6.152	452	454	459	rVB	57938	73584	4.86%	0.297%
37	6.221	459	461	463	rVB3	16116	21008	1.39%	0.085%
38	6.261	463	465	466	rBV	16201	18926	1.25%	0.076%
39	6.290	466	468	470	rVV2	15519	19038	1.26%	0.077%
40	6.330	470	472	475	rVB2	18549	26593	1.75%	0.107%
41	6.369	475	476	480	rVB3	11909	16178	1.07%	0.065%
42	6.438	480	483	488	rBV	525232	757200	49.97%	3.057%
43	6.507	488	490	493	rVV	82915	119928	7.91%	0.484%
44	6.576	493	497	500	rVV2	192517	394374	26.03%	1.592%
45	6.616	500	501	504	rVB2	57964	67449	4.45%	0.272%
46	6.675	504	507	510	rBV4	8369	17437	1.15%	0.070%
47	6.724	510	512	515	rBV2	16665	28567	1.89%	0.115%
48	6.823	519	522	528	rVB	145351	274604	18.12%	1.109%
49	6.970	528	537	541	rBV4	138216	423574	27.95%	1.710%
50	7.039	541	544	547	rVV	93891	137387	9.07%	0.555%
51	7.138	551	554	557	rVB	434591	568602	37.52%	2.295%
52	7.227	557	563	565	rBV2	238126	510289	33.68%	2.060%
53	7.286	565	569	571	rVB	142150	194012	12.80%	0.783%
54	7.335	571	574	577	rBV2	203266	469039	30.95%	1.893%
55	7.384	577	579	583	rVB2	262180	436829	28.83%	1.763%
56	7.473	583	588	590	rBV	281681	497841	32.85%	2.010%
57	7.522	590	593	596	rVB	222441	354782	23.41%	1.432%
58	7.572	596	598	600	rVB2	23699	26267	1.73%	0.106%
59	7.621	600	603	607	rBV	457970	612889	40.45%	2.474%
60	7.719	607	613	616	rBV2	62348	148663	9.81%	0.600%
61	7.779	616	619	621	rBV	195250	315742	20.84%	1.275%
62	7.808	621	622	624	rVB	140709	135096	8.92%	0.545%
63	7.857	624	627	629	rBV	449685	599151	39.54%	2.419%
64	7.897	629	631	635	rVB	234560	328599	21.69%	1.326%
65	7.946	635	636	638	rBV2	13203	18043	1.19%	0.073%
66	8.045	638	646	652	rBV4	578100	1515285	100.00%	6.117%
67	8.133	652	655	657	rVB3	79499	137507	9.07%	0.555%
68	8.183	657	660	662	rBV	155415	221339	14.61%	0.893%
69	8.222	662	664	669	rBV	171346	411456	27.15%	1.661%
70	8.291	669	671	675	rVB	421440	631391	41.67%	2.549%
71	8.350	675	677	678	rBV	99831	134523	8.88%	0.543%
72	8.390	678	681	687	rVB2	461357	880404	58.10%	3.554%
73	8.469	687	689	690	rVB	22374	24255	1.60%	0.098%
74	8.508	690	693	695	rBV	101255	163562	10.79%	0.660%
75	8.557	695	698	699	rBV	241349	346690	22.88%	1.400%

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	8.587	699	701	703	rVV	318237	387719	25.59%	1.565%
77	8.626	703	705	707	rVV	139371	161067	10.63%	0.650%
78	8.656	707	708	714	rVB3	147378	326116	21.52%	1.316%
79	8.744	714	717	719	rBV2	114402	228369	15.07%	0.922%
80	8.784	719	721	724	rBV2	478750	664396	43.85%	2.682%
81	8.892	727	732	736	rBV2	408097	1147784	75.75%	4.633%
82	9.020	742	745	747	rBV3	62918	157772	10.41%	0.637%
83	9.060	747	749	750	rVV	106693	158968	10.49%	0.642%
84	9.089	750	752	759	rVV3	443619	1153935	76.15%	4.658%
85	9.198	759	763	769	rVB2	464231	945414	62.39%	3.816%
86	9.326	769	776	780	rBV	401282	853895	56.35%	3.447%
87	9.375	780	781	782	rBV	16968	16595	1.10%	0.067%
88	9.415	782	785	787	rVV	154804	249511	16.47%	1.007%
89	9.464	787	790	796	rVB3	143073	324336	21.40%	1.309%
90	9.553	796	799	802	rBV	193074	296837	19.59%	1.198%
91	9.602	802	804	805	rVB2	10028	11815	0.78%	0.048%
92	9.681	805	812	816	rBV3	207420	550510	36.33%	2.222%
93	9.760	818	820	822	rVB	40998	52614	3.47%	0.212%
94	9.819	822	826	832	rVB2	172069	460388	30.38%	1.858%
95	9.917	832	836	840	rBV	92945	212372	14.02%	0.857%

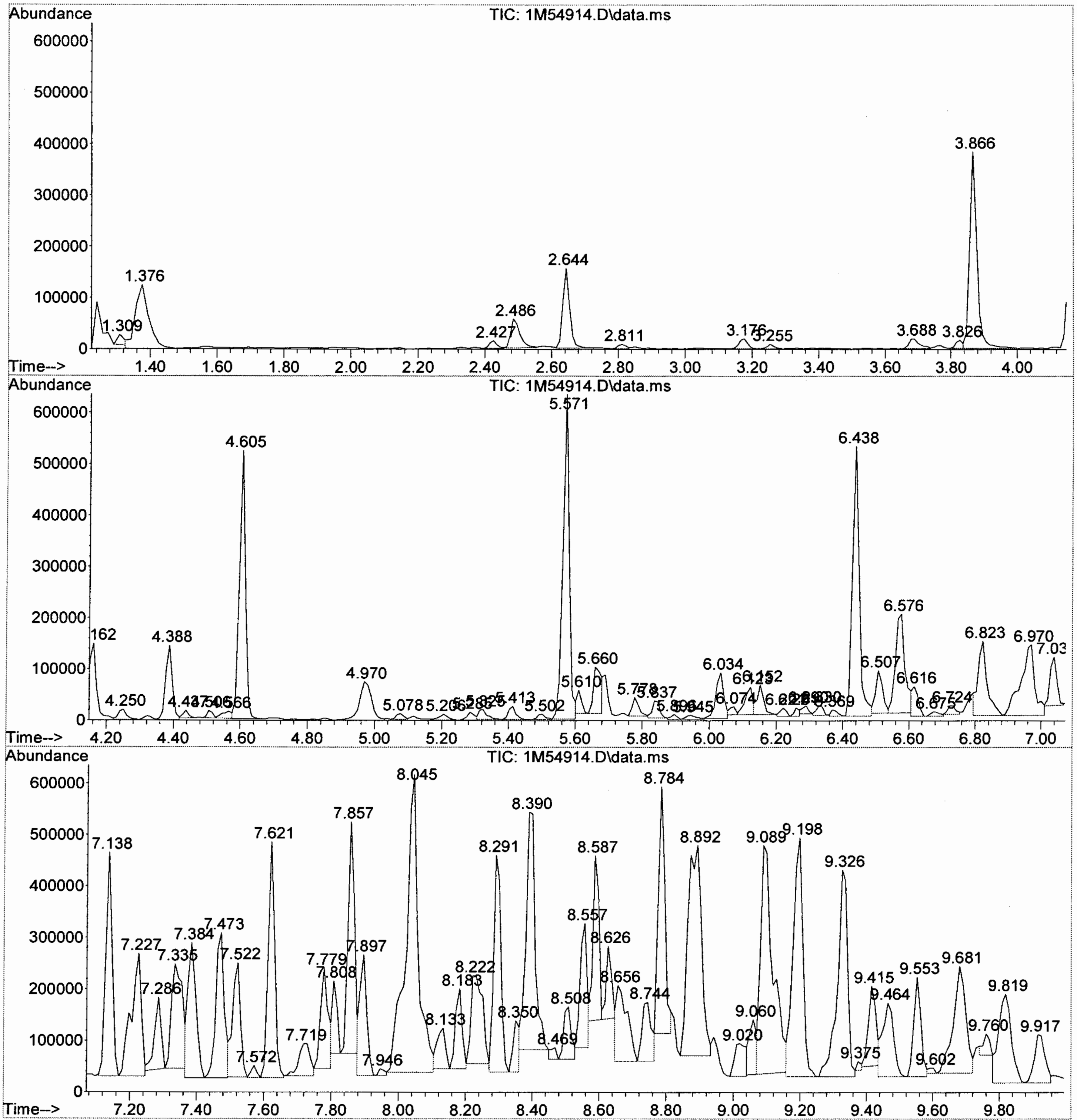
Sum of corrected areas: 24772297

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

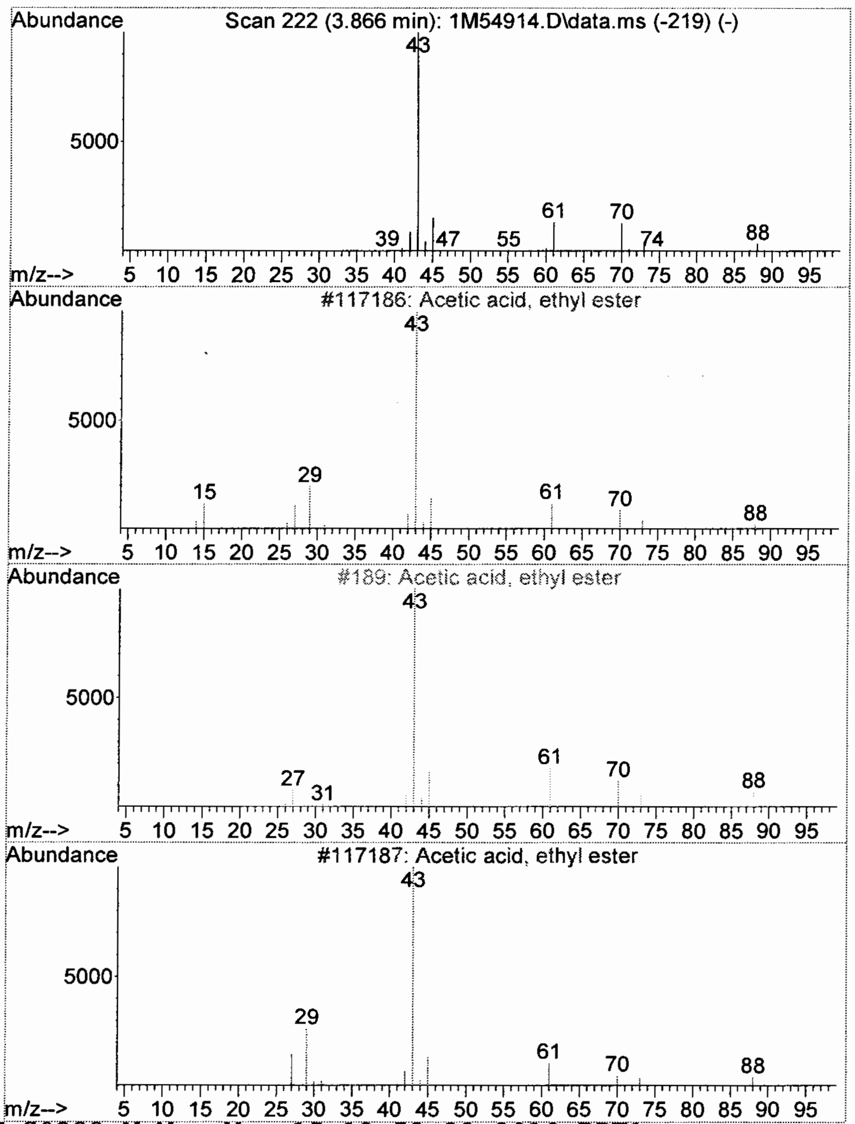


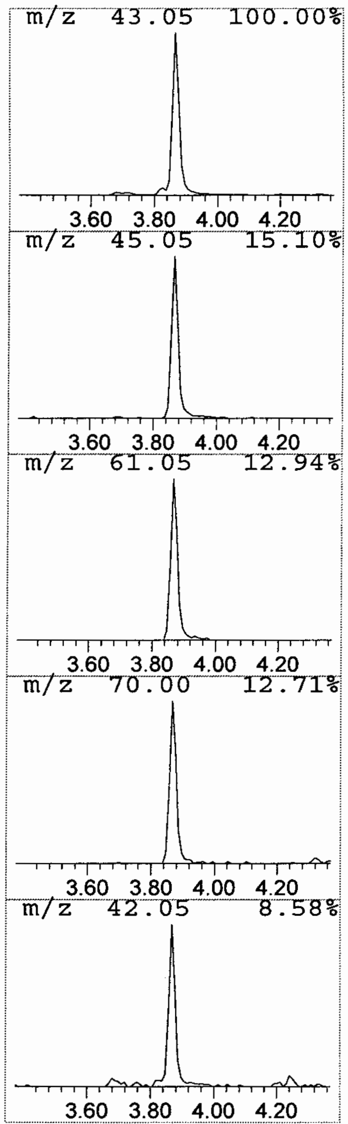
Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On    :  9 Mar 2010  18:30
Operator  : WP
Sample    : AC50199-002
Misc      : S,5G!4
ALS Vial  : 60   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

**********************************************************************
Peak Number  1  Acetic acid, ethyl ester       Concentration Rank 13
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	25.40 ug/l	577105	LibIS-Fluorobenzene	4.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, ethyl ester	88	C4H8O2	000141-78-6	90
2	Acetic acid, ethyl ester	88	C4H8O2	000141-78-6	50
3	Acetic acid, ethyl ester	88	C4H8O2	000141-78-6	86
4	Acetic acid, ethyl ester	88	C4H8O2	000141-78-6	86
5	Acetic acid, ethyl ester	88	C4H8O2	000141-78-6	5





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

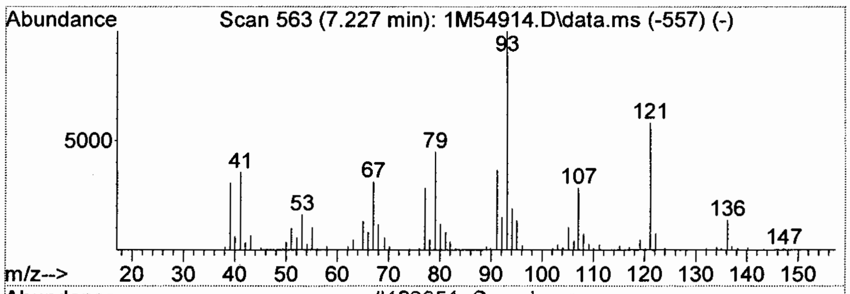
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

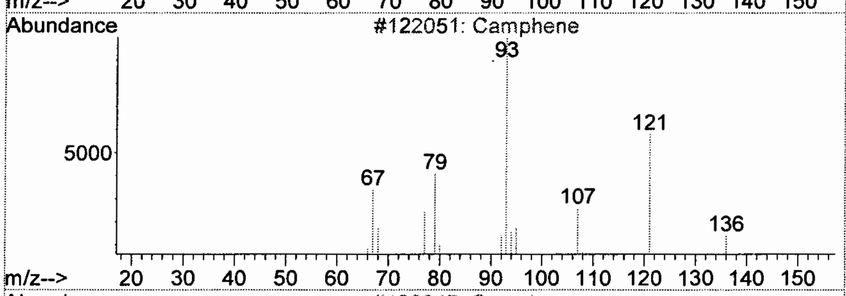
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

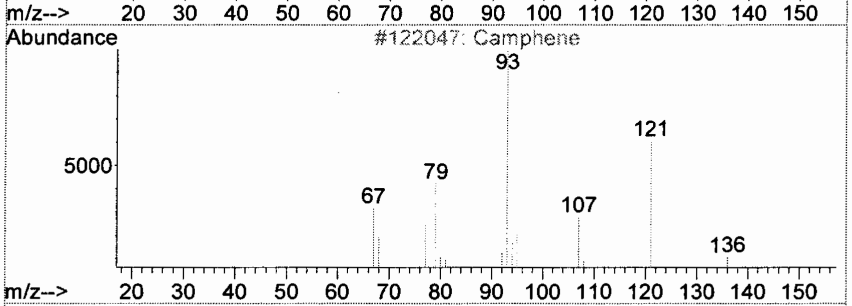
****
Peak Number 2 Camphene Concentration Rank 9

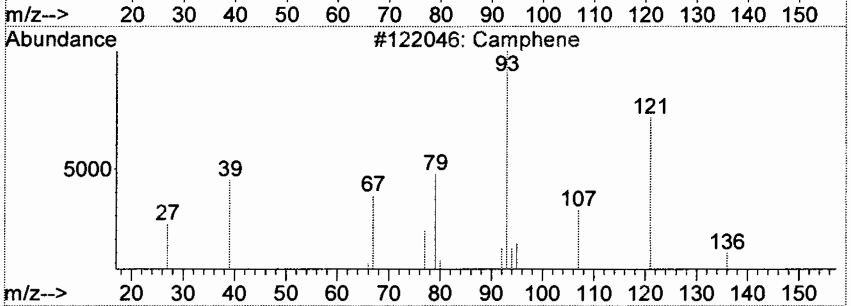
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	28.72 ug/l	510289	LibIS-1,4-Dichlorobenzene-d4	7.86

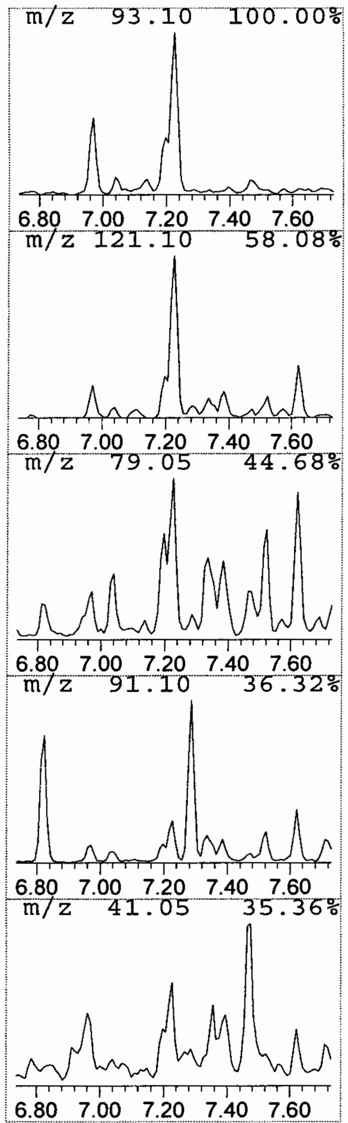
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	95
2	Camphene	136	C10H16	000079-92-5	91
3	Camphene	136	C10H16	000079-92-5	96
4	Camphene	136	C10H16	000079-92-5	49
5	Camphene	136	C10H16	000079-92-5	64











Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

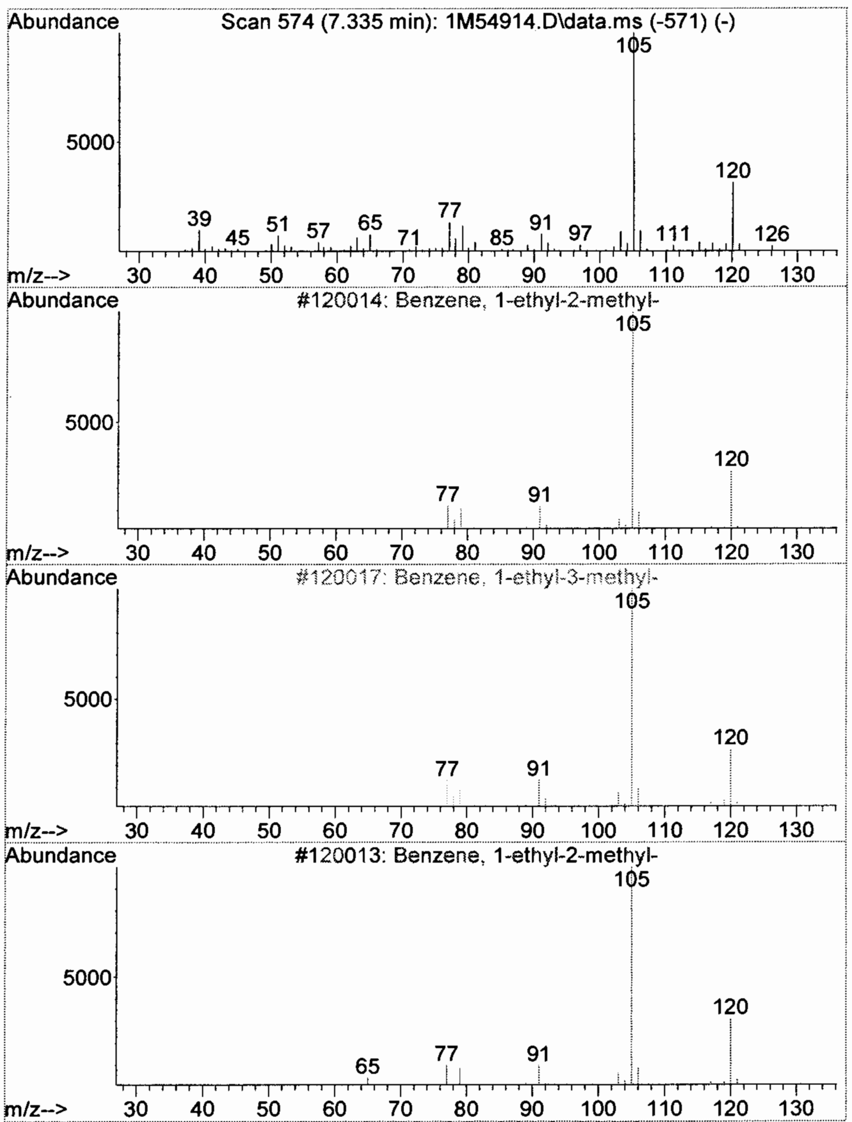
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

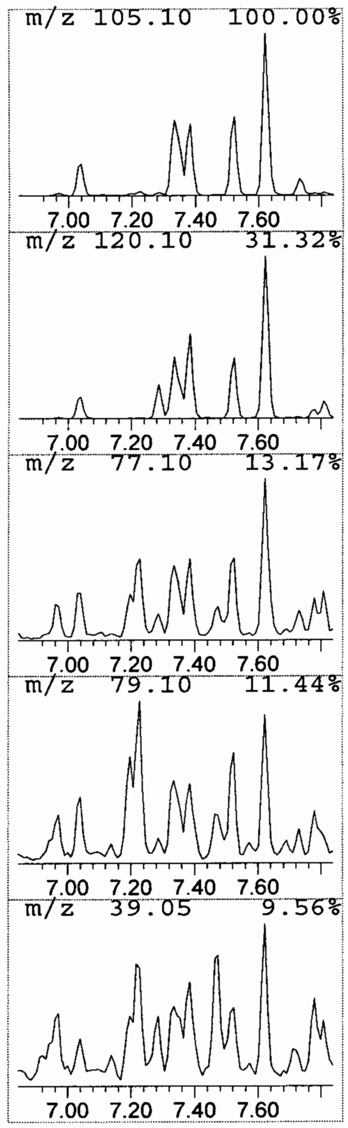
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	26.40 ug/l	469039	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
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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Sample    : AC50199-002
Misc      : S,5G!4
ALS Vial  : 60   Sample Multiplier: 1

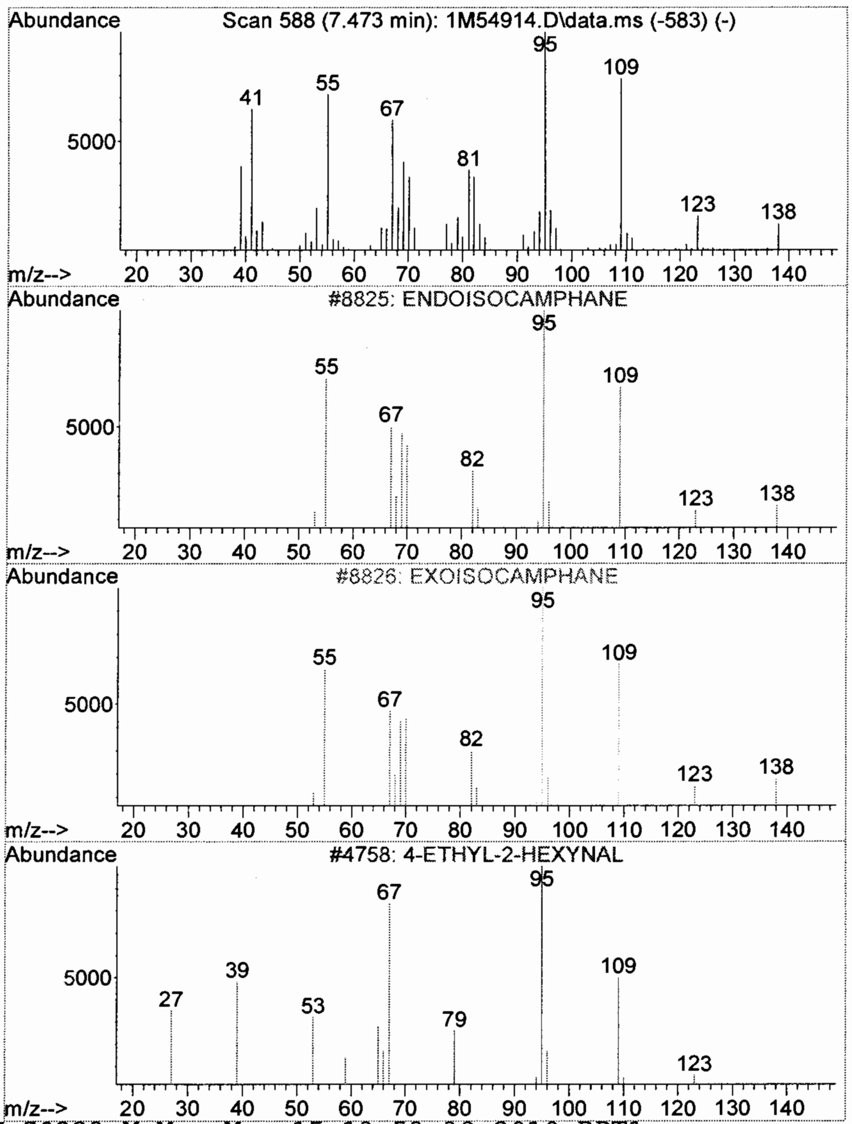
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

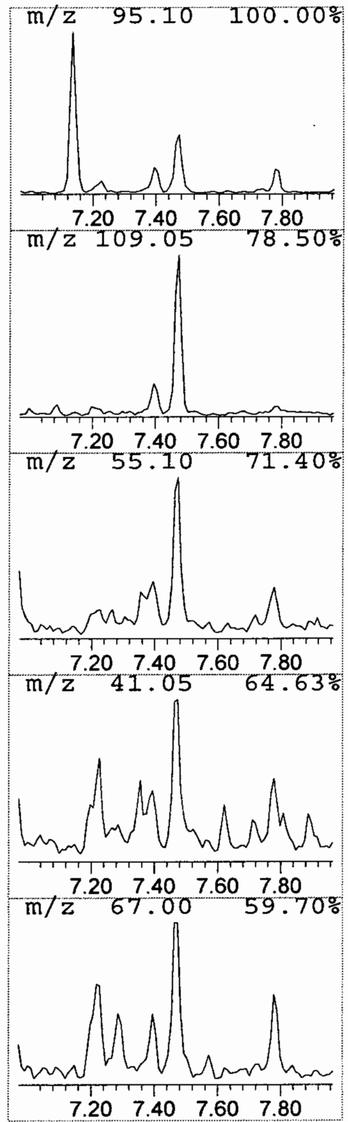
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number  4  ENDOISOCAMPHANE                 Concentration Rank 10
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	28.02 ug/l	497841	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ENDOISOCAMPHANE	138	C10H18	020536-40-7	94
2	EXOISOCAMPHANE	138	C10H18	020536-41-8	68
3	4-ETHYL-2-HEXYNAL	124	C8H12O	071932-97-3	27
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	22
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	22





Library Search Compound Report

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Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

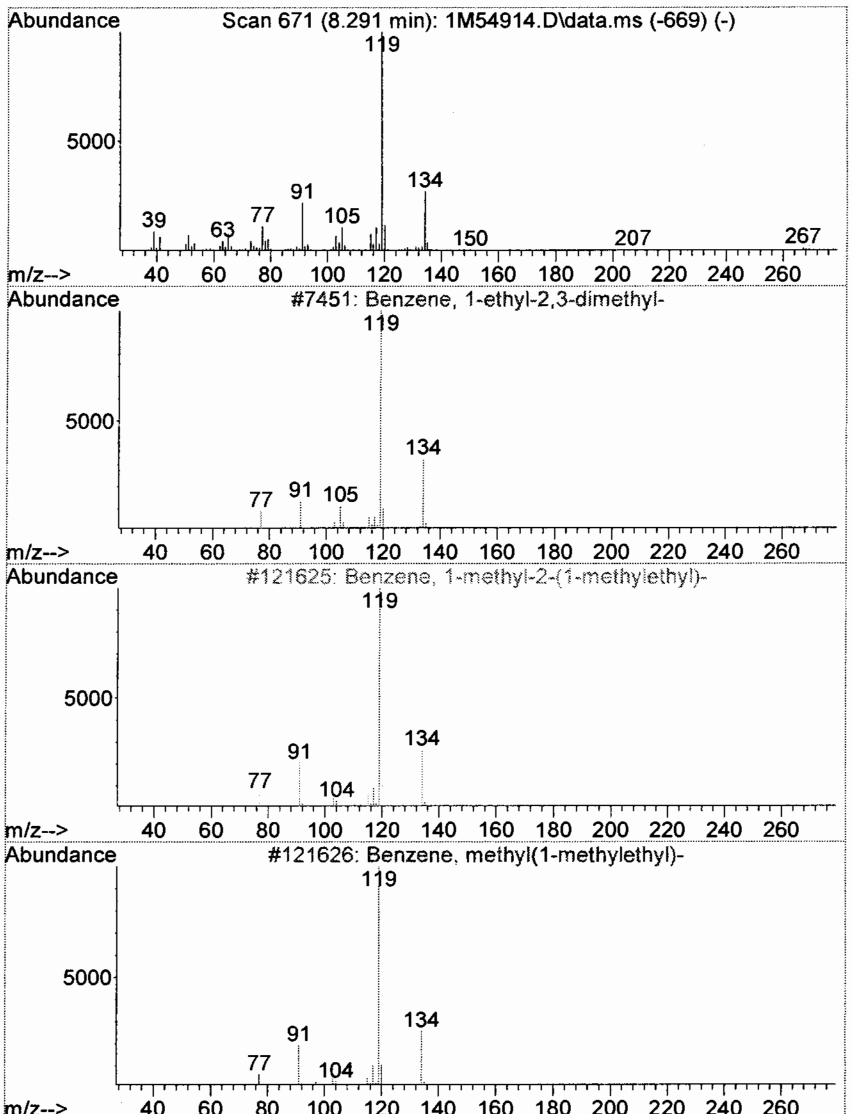
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

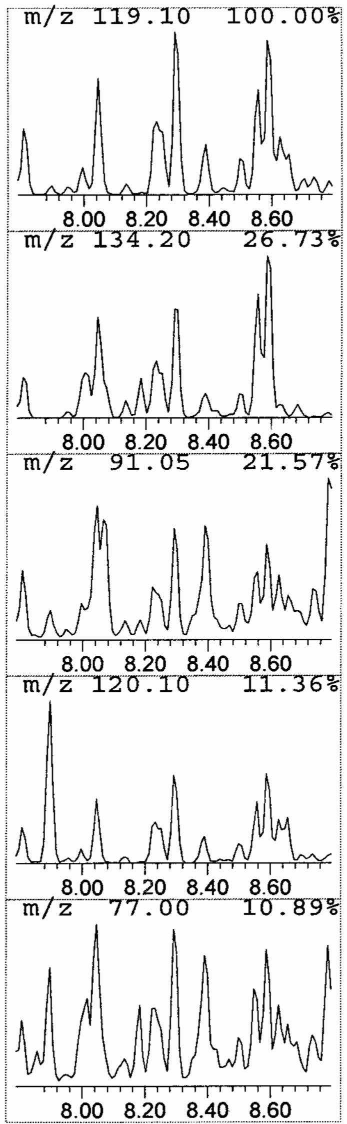
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	35.54 ug/l	631391	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94





Library Search Compound Report

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Operator  : WP
Sample    : AC50199-002
Misc      : S,5G!4
ALS Vial  : 60   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  4
```
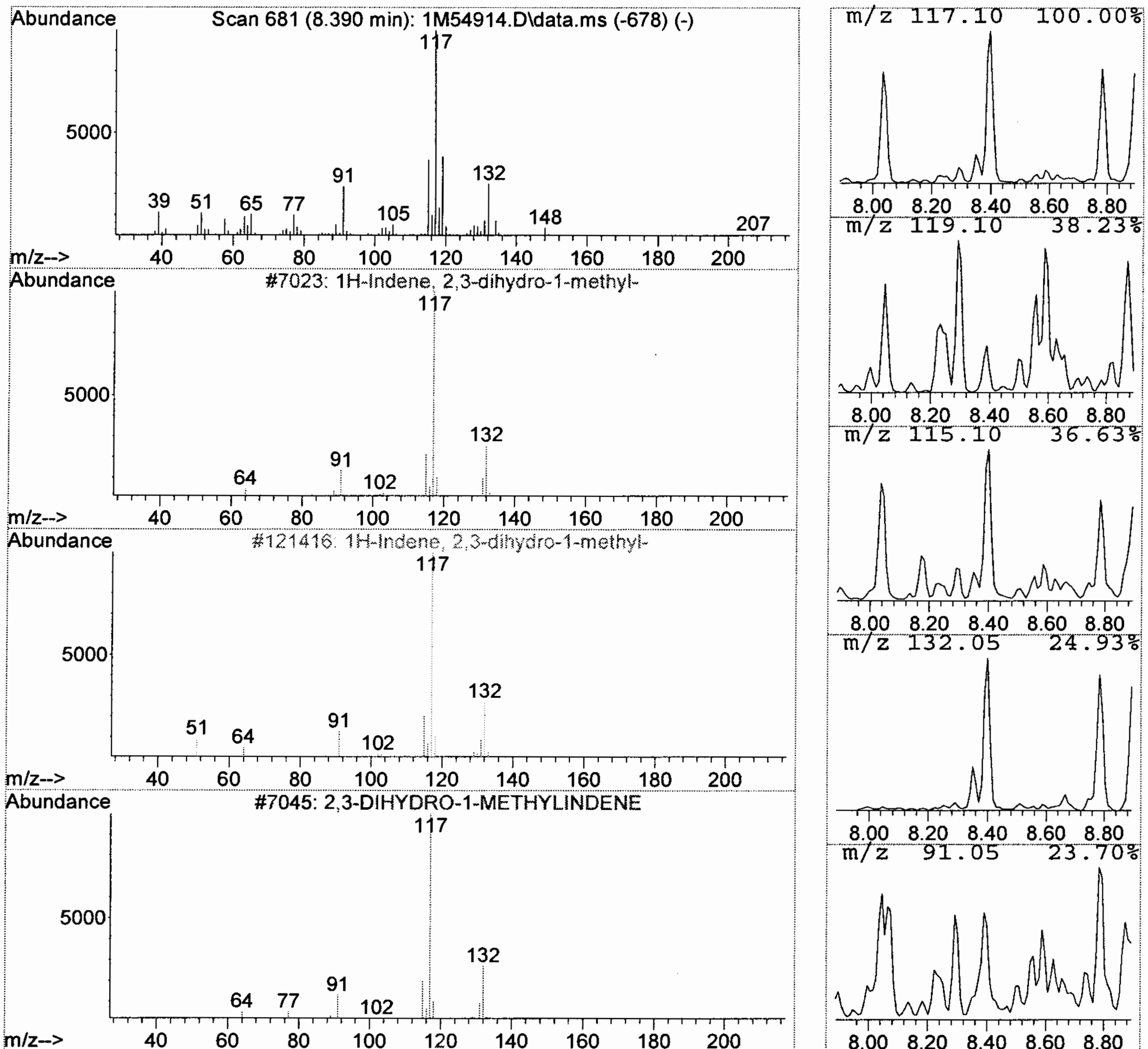

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	49.55 ug/l	880404	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	58
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	70
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	62
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	58
5	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	35



Library Search Compound Report

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Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

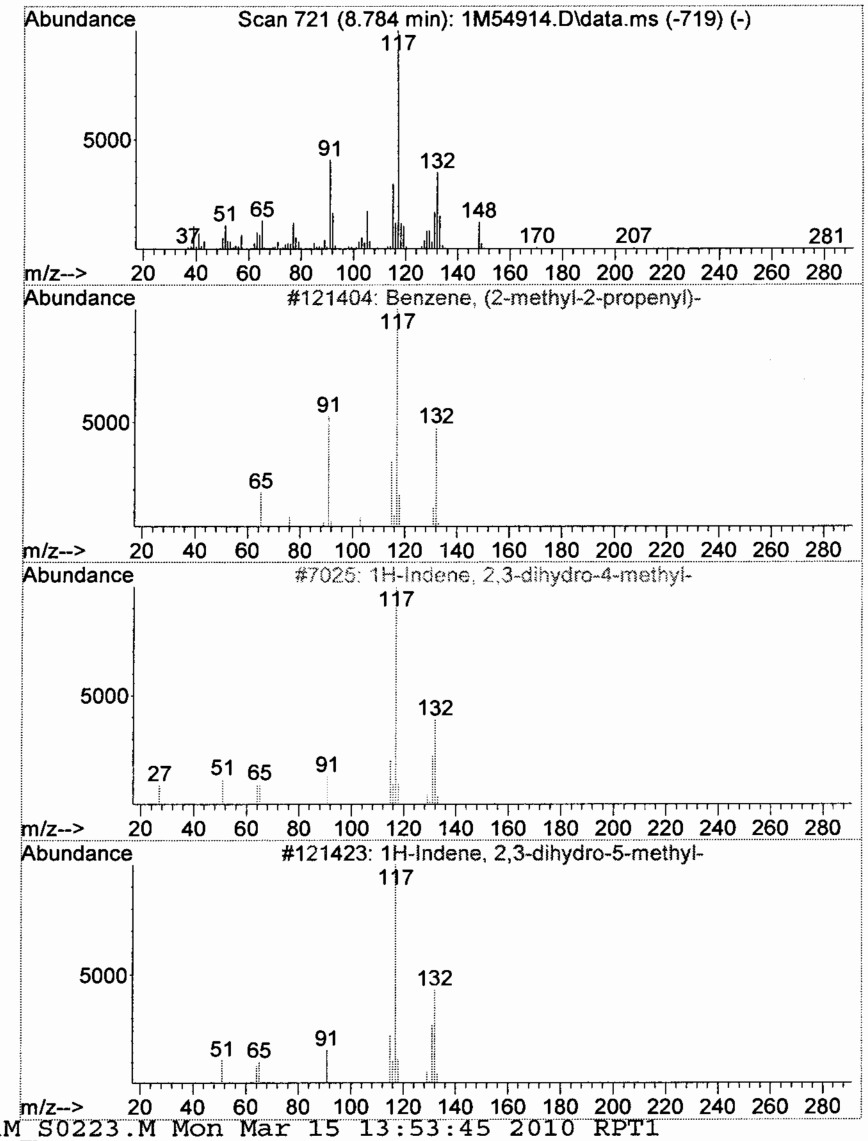
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

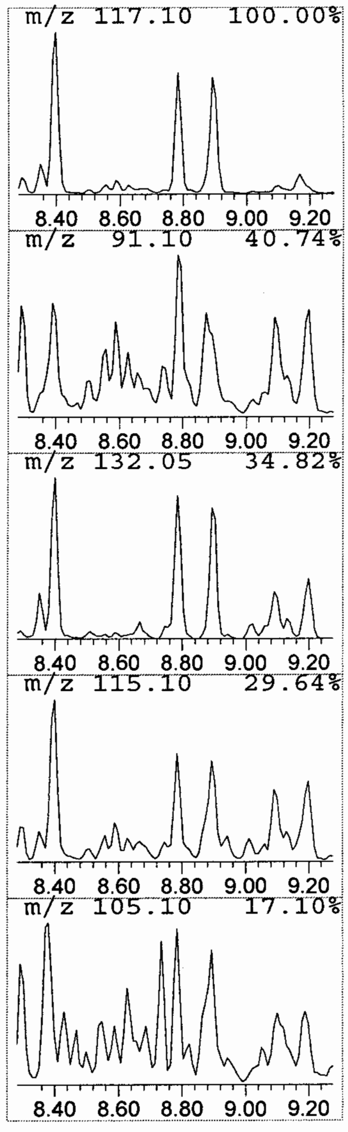
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (2-methyl-2-propen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	37.40 ug/l	664396	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	60
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	43
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	43
5	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

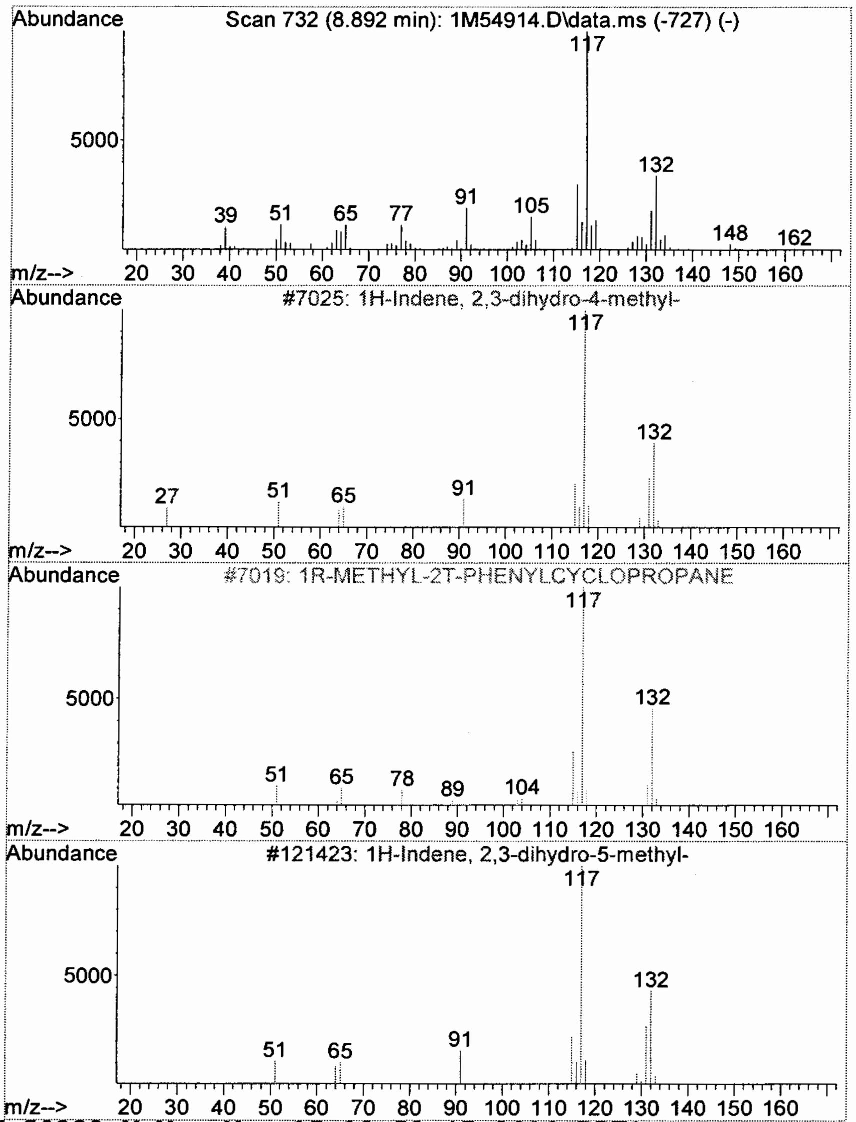
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

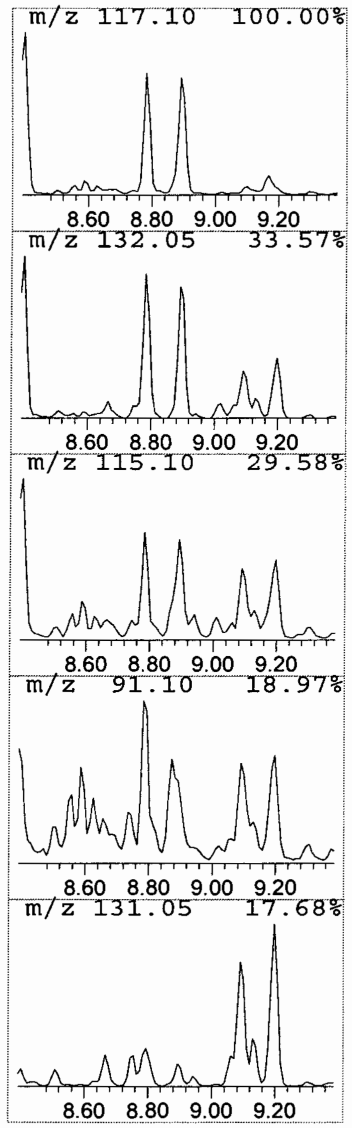
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	64.60 ug/l	1147784	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	60
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Library Search Compound Report

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Acq On    :  9 Mar 2010  18:30
Operator  : WP
Sample    : AC50199-002
Misc      : S,5G!4
ALS Vial  : 60   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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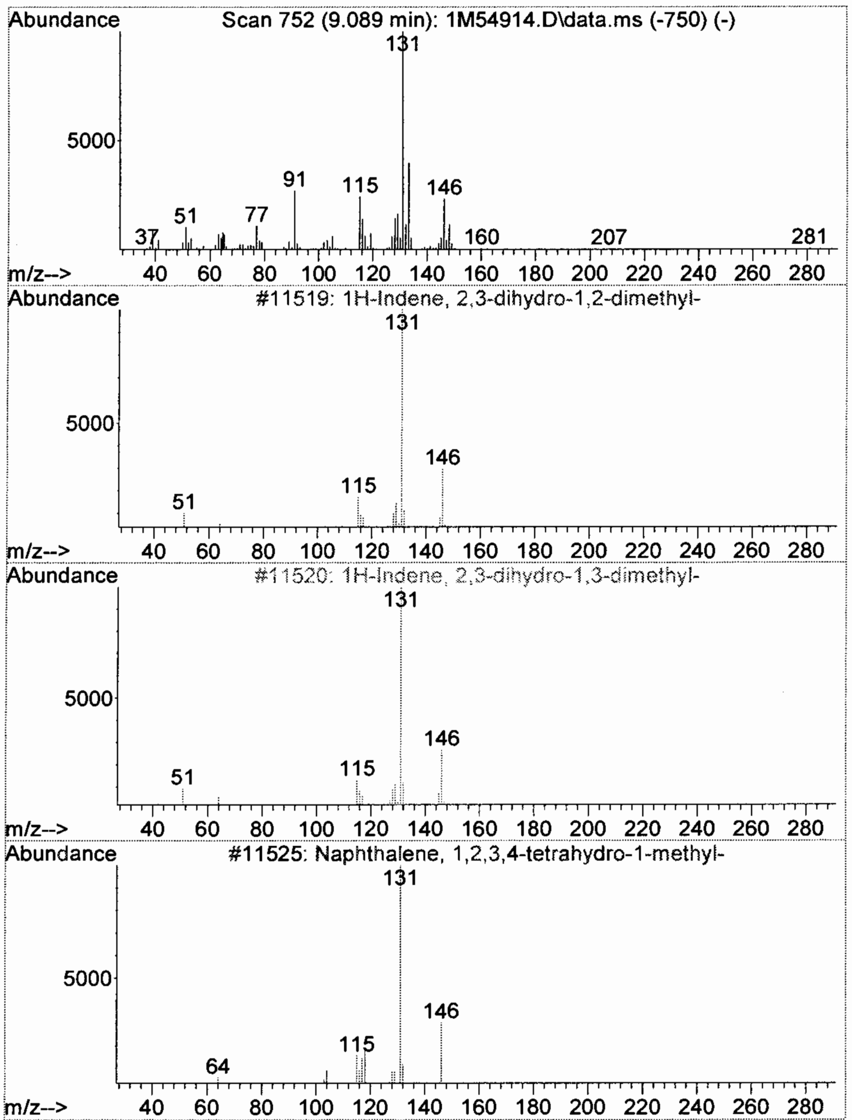
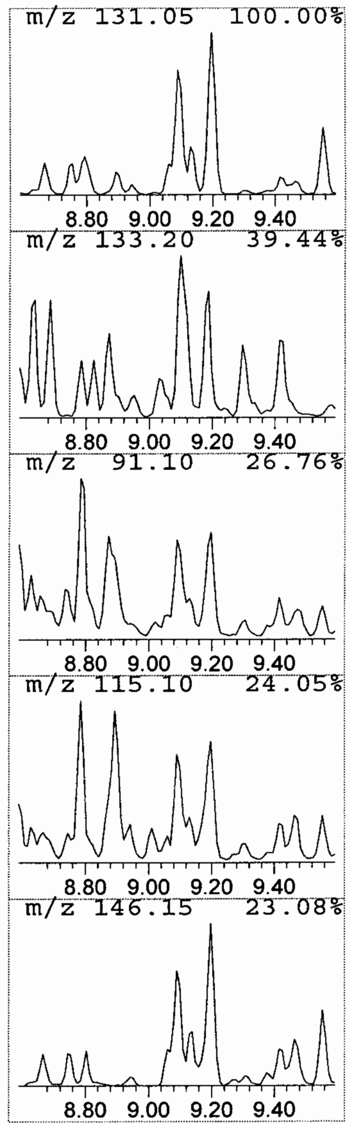
Peak Number 9 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	64.95 ug/l	1153935	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	38
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43





Library Search Compound Report

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Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

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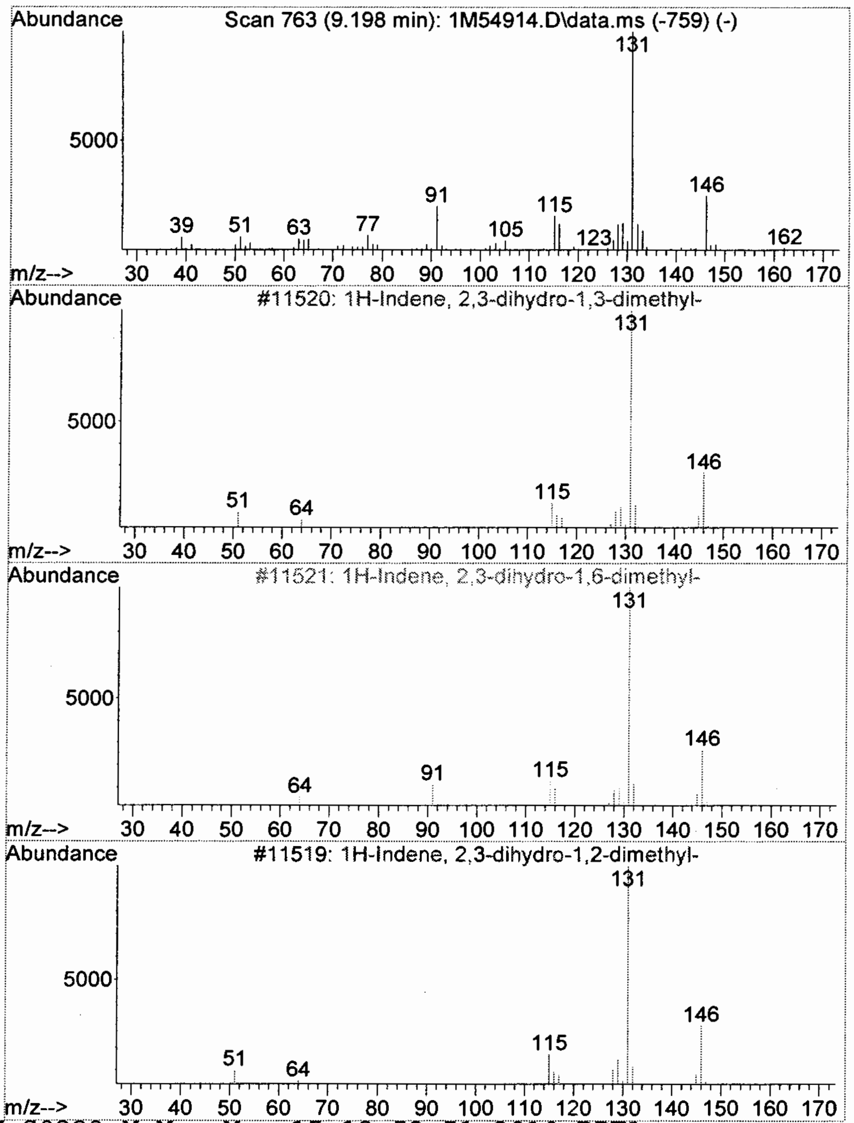
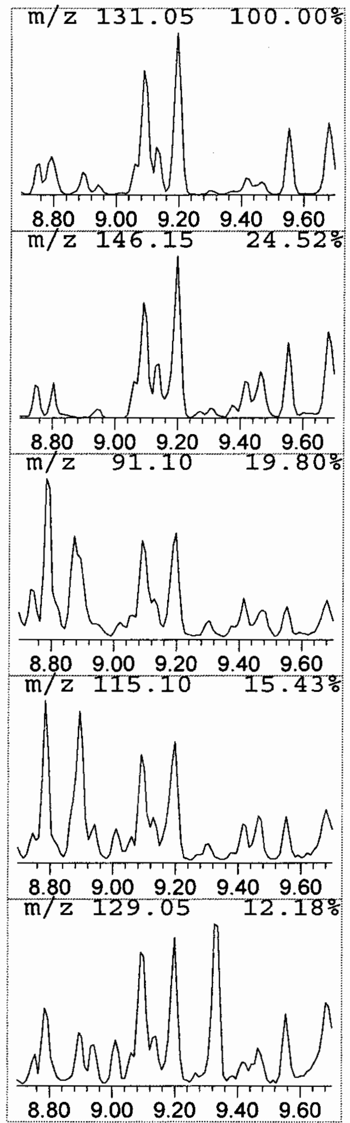
Peak Number 10 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	53.21 ug/l	945414	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	78
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	78





Library Search Compound Report

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Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

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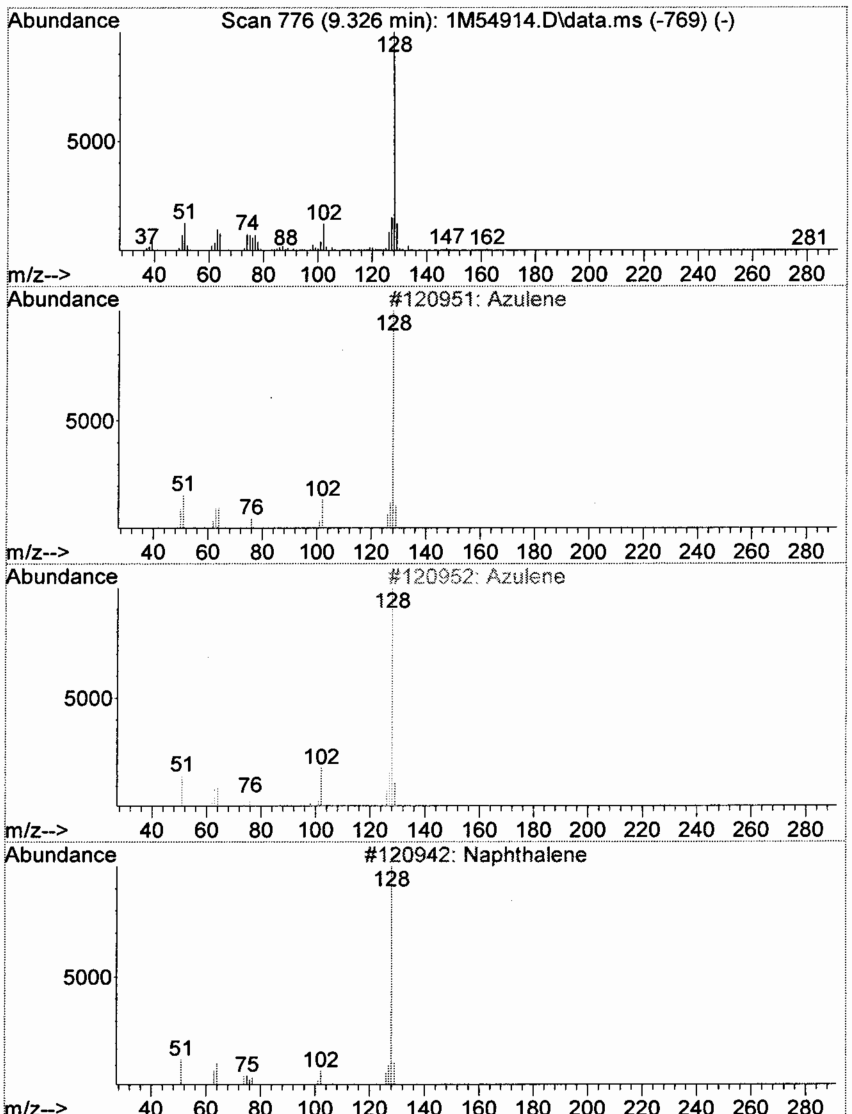
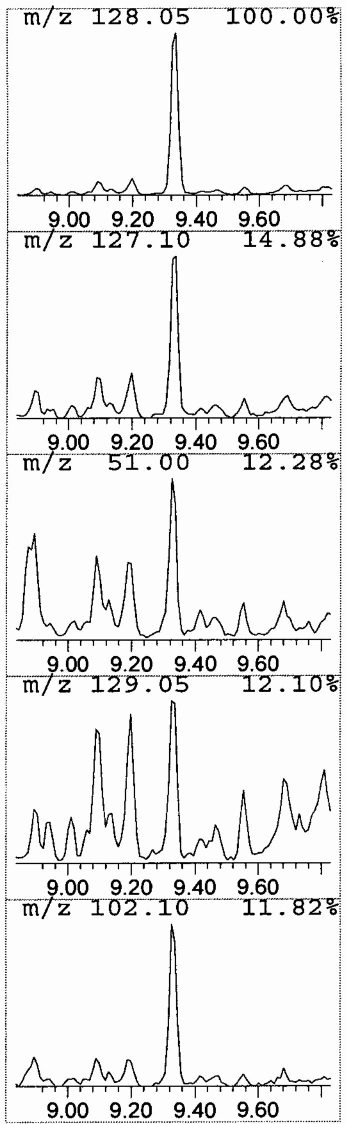
Peak Number 11 Naphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	48.06 ug/l	853895	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	58
2	Azulene	128	C10H8	000275-51-4	93
3	Naphthalene	128	C10H8	000091-20-3	91
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	58
5	Naphthalene	128	C10H8	000091-20-3	94





Library Search Compound Report

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Acq On    :  9 Mar 2010  18:30
Operator  : WP
Sample    : AC50199-002
Misc      : S,5G!4
ALS Vial  : 60   Sample Multiplier: 1

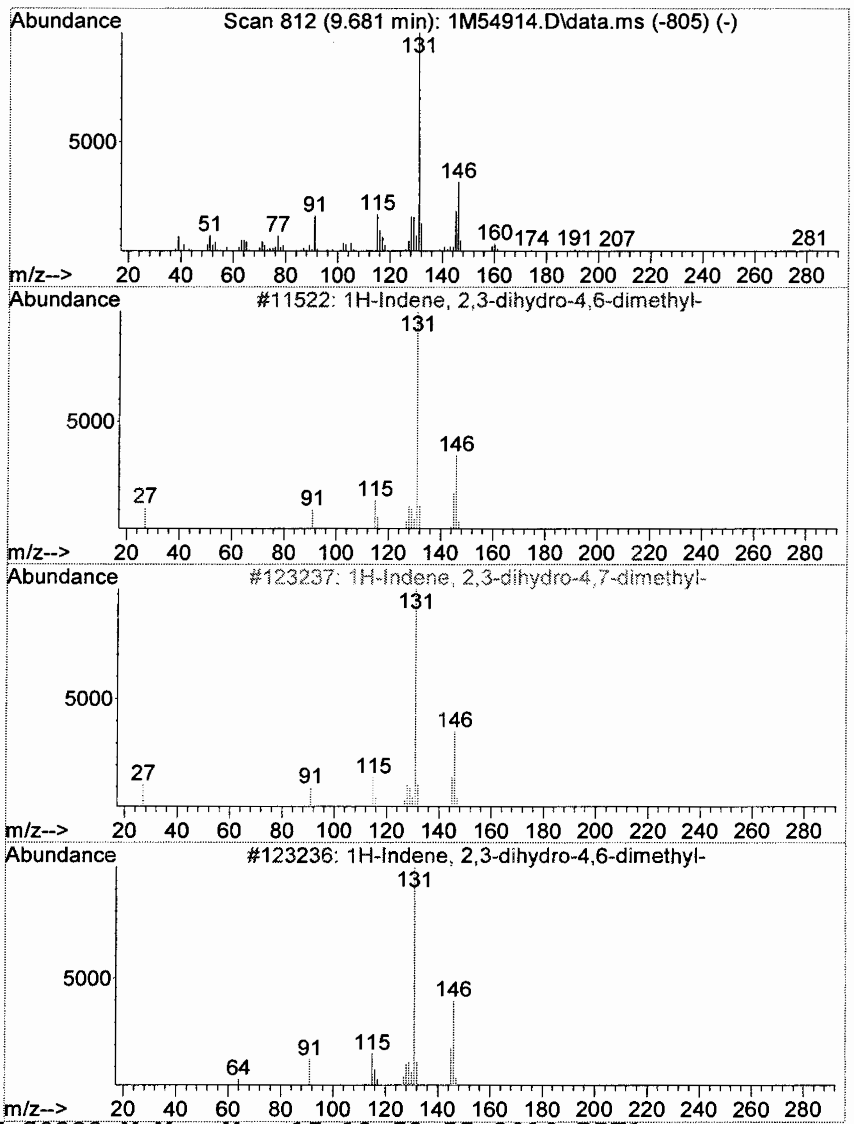
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

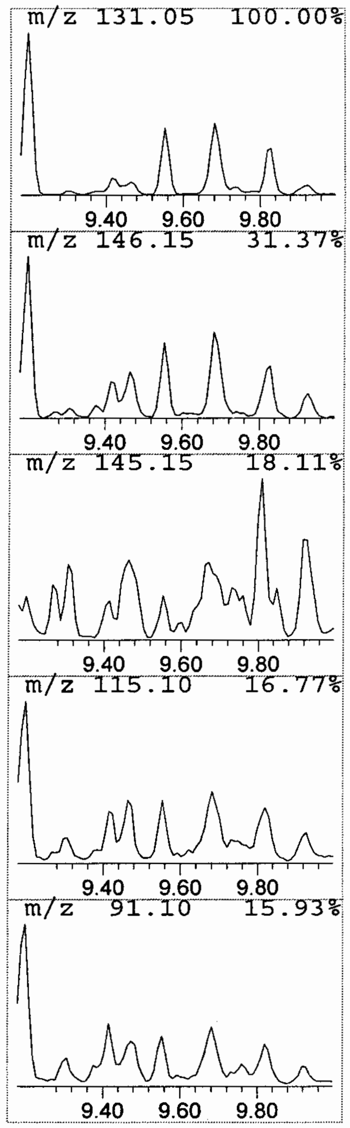
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number 12  1H-Indene, 2,3-dihydro-4,6-...  Concentration Rank  8
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	30.99 ug/l	550510	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	97
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	Indan, 5,6-dimethyl-	146	C11H14	001075-22-5	95





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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-4,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	25.91 ug/l	460388	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	76
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	68
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
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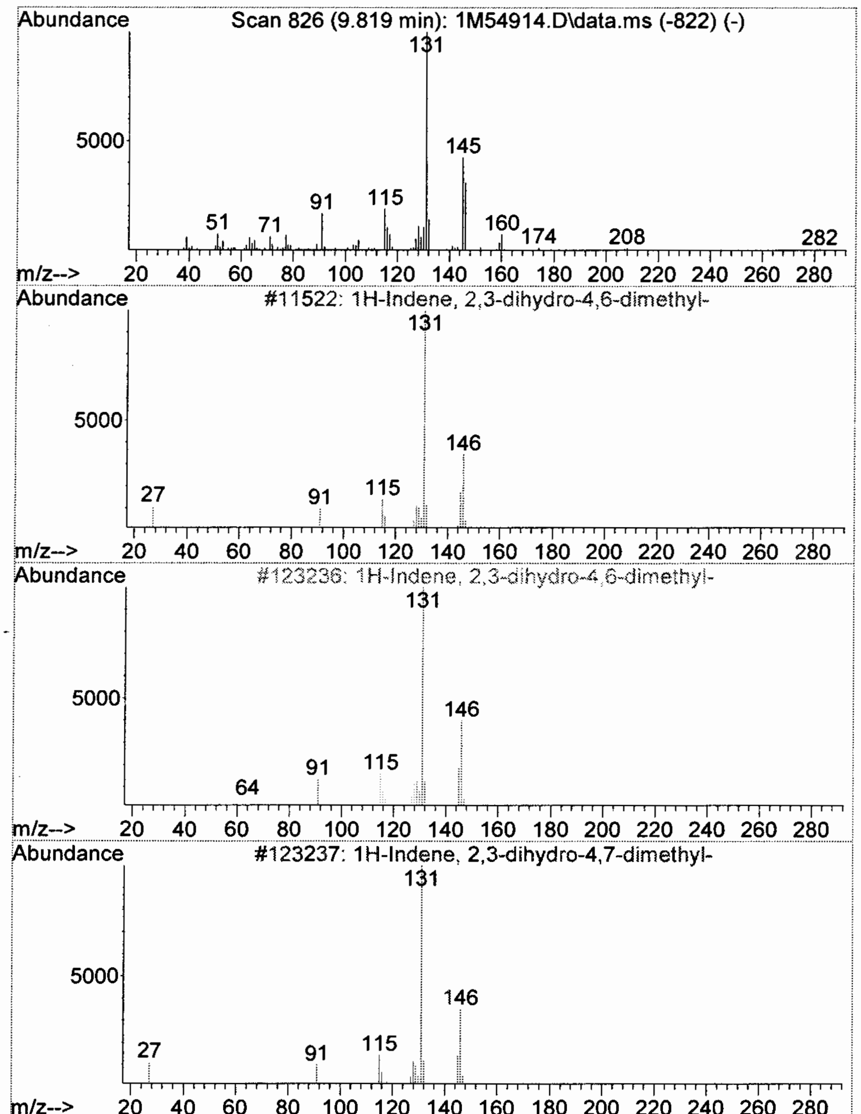
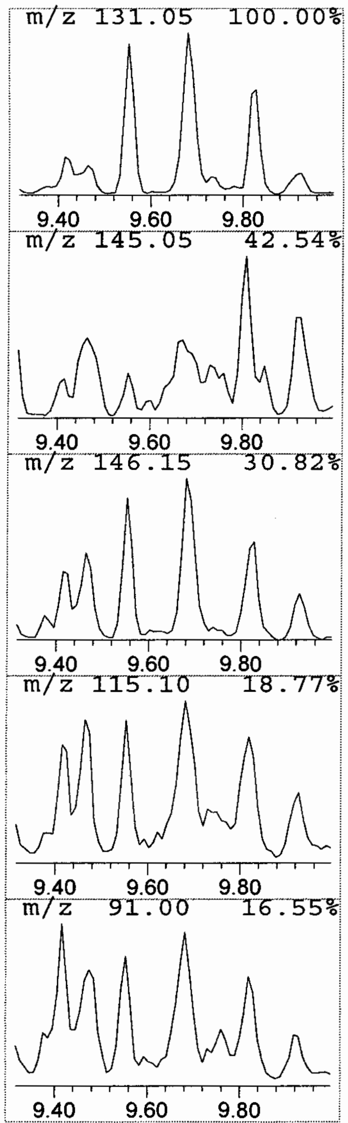




Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54914.D
Acq On : 9 Mar 2010 18:30
Operator : WP
Sample : AC50199-002
Misc : S,5G!4
ALS Vial : 60 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
Acetic acid, ethy...	3.87	25.4	ug/l	577105	1	4.61	4.61	681554	30.0
Camphene	7.23	28.7	ug/l	510289	3	7.86	7.86	532989	30.0
Benzene, 1-ethyl-...	7.34	26.4	ug/l	469039	3	7.86	7.86	532989	30.0
ENDOISOCAMPHANE	7.47	28.0	ug/l	497841	3	7.86	7.86	532989	30.0
Benzene, 1-ethyl-...	8.29	35.5	ug/l	631391	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	8.39	49.6	ug/l	880404	3	7.86	7.86	532989	30.0
Benzene, (2-methy...	8.78	37.4	ug/l	664396	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	8.89	64.6	ug/l	1147784	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	9.09	65.0	ug/l	1153935	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	9.20	53.2	ug/l	945414	3	7.86	7.86	532989	30.0
Naphthalene	9.33	48.1	ug/l	853895	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	9.68	31.0	ug/l	550510	3	7.86	7.86	532989	30.0
1H-Indene, 2,3-di...	9.82	25.9	ug/l	460388	3	7.86	7.86	532989	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-003(5X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 1M54988.D
Analysis Date: 03/11/10 11:35
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 1g
Final Vol: NA
Dilution: 5.00
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.034	U	56-23-5	Carbon Tetrachloride	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	0.034	U	108-90-7	Chlorobenzene	0.034	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.034	U	75-00-3	Chloroethane	0.034	U
79-00-5	1,1,2-Trichloroethane	0.034	U	67-66-3	Chloroform	0.034	U
75-34-3	1,1-Dichloroethane	0.034	U	74-87-3	Chloromethane	0.034	U
75-35-4	1,1-Dichloroethene	0.034	U	156-59-2	cis-1,2-Dichloroethene	0.034	U
96-18-4	1,2,3-Trichloropropane	0.034	U	10061-01-5	cis-1,3-Dichloropropene	0.034	U
95-63-6	1,2,4-Trimethylbenzene	0.0068	U	124-48-1	Dibromochloromethane	0.034	U
95-50-1	1,2-Dichlorobenzene	0.034	U	75-71-8	Dichlorodifluoromethane	0.034	U
107-06-2	1,2-Dichloroethane	0.034	U	100-41-4	Ethylbenzene	0.0068	U
78-87-5	1,2-Dichloropropane	0.034	U	98-82-8	Isopropylbenzene	0.0068	U
108-67-8	1,3,5-Trimethylbenzene	0.0068	U	136777612	m&p-Xylenes	0.0068	U
541-73-1	1,3-Dichlorobenzene	0.034	U	75-09-2	Methylene Chloride	0.034	U
142-28-9	1,3-Dichloropropane	0.034	U	1634-04-4	Methyl-t-butyl ether	0.0068	U
106-46-7	1,4-Dichlorobenzene	0.034	U	104-51-8	n-Butylbenzene	0.0068	U
123-91-1	1,4-Dioxane	1.7	U	103-65-1	n-Propylbenzene	0.0068	U
78-93-3	2-Butanone	0.034	U	95-47-6	o-Xylene	0.0068	U
110-75-8	2-Chloroethylvinylether	0.034	U	**135-98-8**	**sec-Butylbenzene**	**0.0068**	**0.052**
591-78-6	2-Hexanone	0.034	U	100-42-5	Styrene	0.034	U
99-87-6	4-Isopropyltoluene	0.0068	U	75-65-0	t-Butyl Alcohol	0.17	U
108-10-1	4-Methyl-2-Pentanone	0.034	U	98-06-6	t-Butylbenzene	0.0068	U
67-64-1	Acetone	0.17	U	127-18-4	Tetrachloroethene	0.034	U
107-02-8	Acrolein	0.17	U	**108-88-3**	**Toluene**	**0.0068**	**0.0074**
107-13-1	Acrylonitrile	0.034	U	156-60-5	trans-1,2-Dichloroethene	0.034	U
71-43-2	Benzene	0.0068	U	10061-02-6	trans-1,3-Dichloropropene	0.034	U
75-27-4	Bromodichloromethane	0.034	U	79-01-6	Trichloroethene	0.034	U
75-25-2	Bromoform	0.034	U	75-69-4	Trichlorofluoromethane	0.034	U
74-83-9	Bromomethane	0.034	U	75-01-4	Vinyl Chloride	0.034	U
75-15-0	Carbon Disulfide	0.034	U	1330-20-7	Xylenes (Total)	0.0068	U

Worksheet #: 145100

Total Target Concentration 0.059

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: AC50199-003(5X)	Matrix: Soil
Client Id: PI-01-TP-RAS4030410	Initial Vol: 1g
Data File: 1M54988.D	Final Vol: NA
Analysis Date: 03/11/10 11:35	Dilution: 5.00
Date Rec/Extracted: 03/05/10-NA	Solids: 74
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	5911-04-6	Nonane, 3-methyl-	6.85	1.8 J
2	14676-29-0	Heptane, 3-ethyl-2-methyl-	6.94	2.1 J
3		unknown	7.32	1.6 J
4		unknown	7.39	2.6 J
5	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.76	2.6 J
6	81983-71-3	1,1-DIMETHYL-2-PROPYLCYCLOHEX	7.97	2.1 J
7	61886-66-6	3-Eicosyne	8.10	2.6 J
8		unknown	8.21	1.6 J
9	630-06-8	Hexatriacontane	8.29	1.8 J
10	17301-28-9	Undecane, 3,6-dimethyl-	8.87	1.7 J

Worksheet #: 145100

Total Tentativelv Identified Concentration 20

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)

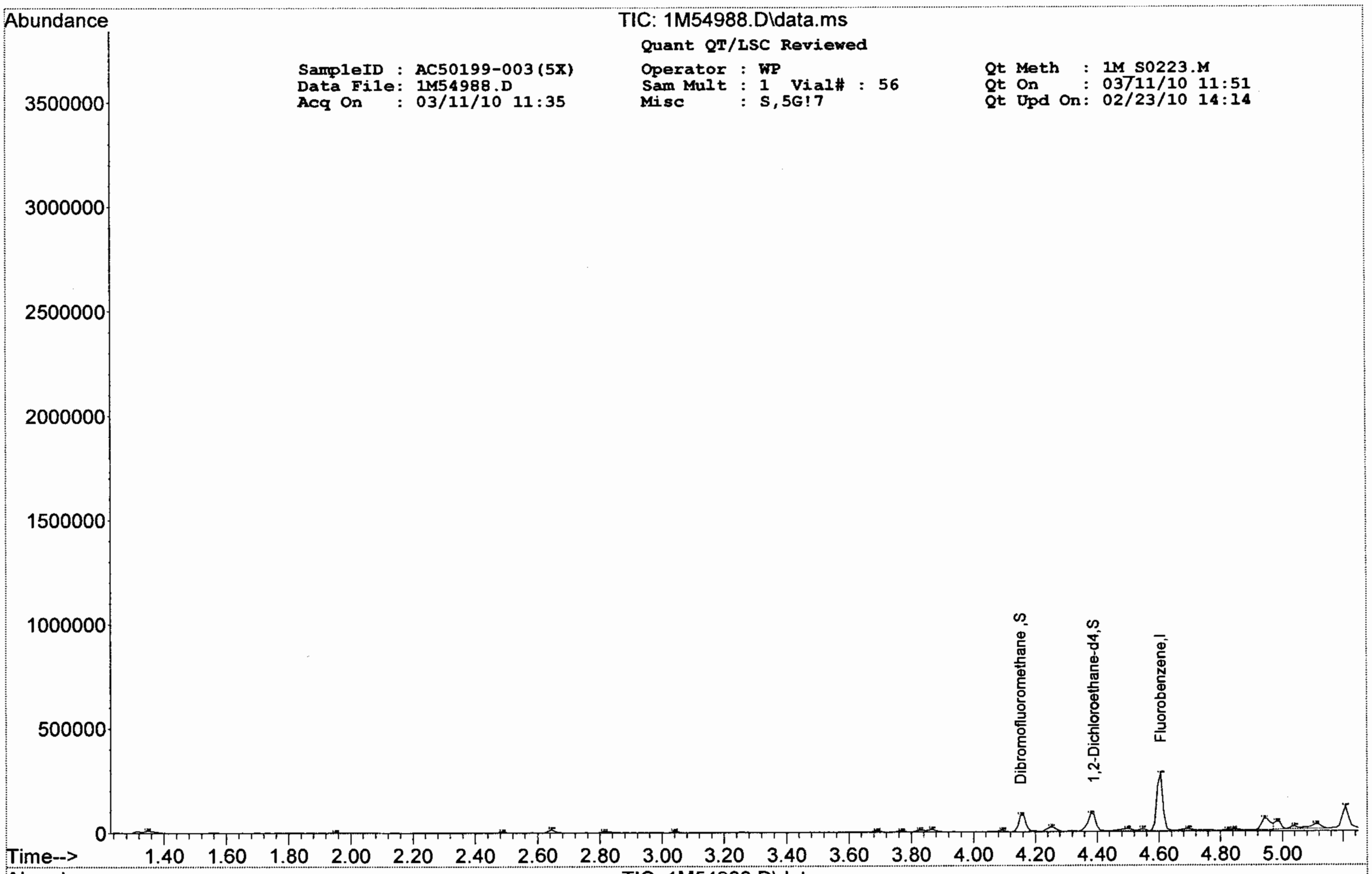
SampleID : AC50199-003(5X)   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54988.D   Sam Mult : 1 Vial# : 56   Qt On : 03/11/10 11:51
Acq On : 03/11/10 11:35   Misc : S,5G!7   Qt Upd On: 02/23/10 14:14

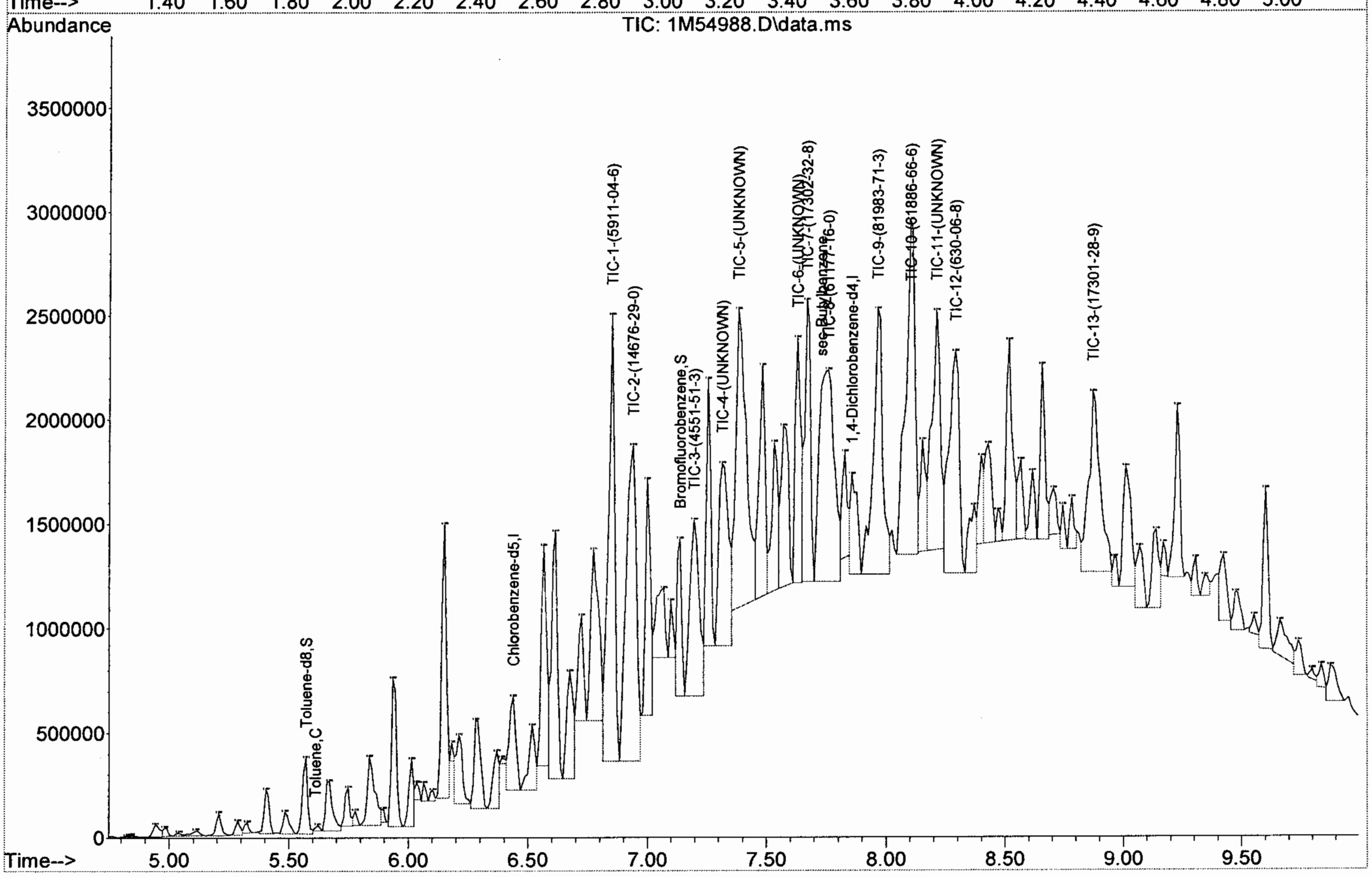
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

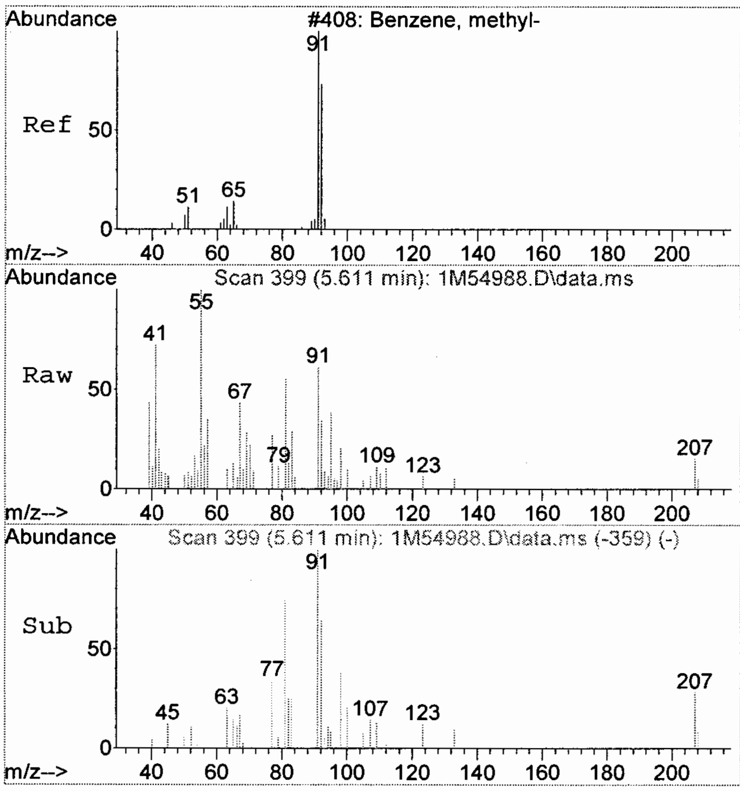
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.606	96	136520	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.439	117	87710	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	69116	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.153	111	36885	30.00	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	100.00%	
35) 1,2-Dichloroethane-d4	4.389	102	7449	33.42	ug/l	0.00
Spiked Amount 30.000			Recovery	=	111.40%	
59) Toluene-d8	5.572	100	89083	33.84	ug/l	0.00
Spiked Amount 30.000			Recovery	=	112.80%	
67) Bromofluorobenzene	7.139	174	29901m	14.59	ug/l	0.00
Spiked Amount 30.000			Recovery	=	48.63%	
Target Compounds						Qvalue
60) Toluene	5.611	92	3384	1.10	ug/l	95
86) sec-Butylbenzene	7.730	105	73699	7.68	ug/l	70
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.606		372078	30.00	ug/l	--
2) Chlorobenzene-d5	6.439		436751m	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.858		345575m	30.00	ug/l	--
Library Search Compounds						
1) 5911-04-6	6.850		3949360	271.28	ug/l	93
2) 14676-29-0	6.940		4540013	311.85	ug/l	49
3) 4551-51-3	7.200		2339084	203.06	ug/l	50
4) UNKNOWN	7.320		2644718	229.59	ug/l	--
5) UNKNOWN	7.390		4351783	377.79	ug/l	--
6) UNKNOWN	7.630		2037988	176.92	ug/l	--
7) 17302-32-8	7.670		2124855	184.46	ug/l	50
8) 61177-16-0	7.760		4514317	391.90	ug/l	59
9) 81983-71-3	7.970		3510830	304.78	ug/l	70
10) 61886-66-6	8.100		4398739	381.86	ug/l	49
11) UNKNOWN	8.210		2795395	242.67	ug/l	--
12) 630-06-8	8.290		3129125	271.64	ug/l	53
13) 17301-28-9	8.870		2840578	246.60	ug/l	58

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

lw


Abundance
TIC: 1M54988.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-003(5X)
Data File: 1M54988.D
Acq On : 03/11/10 11:35
Operator : WP
Sam Mult : 1 Vial# : 56
Misc : S,5G!7
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 11:51
Qt Upd On: 02/23/10 14:14
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->
1.40 1.60 1.80 2.00 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00

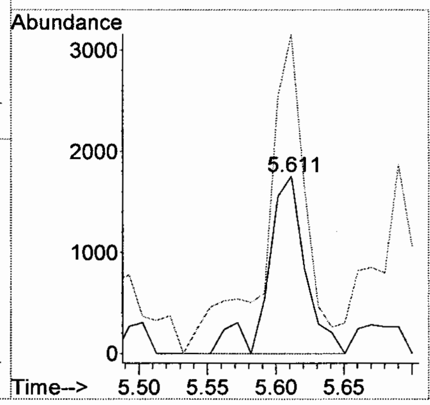

Abundance
TIC: 1M54988.D\data.ms
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Toluene,C
Toluene-d8,S
Chlorobenzene-d5,I
TIC-1-(5911-04-6)
TIC-2-(14676-29-0)
Bromofluorobenzene,S
TIC-3-(4551-51-3)
TIC-4-(UNKNOWN)
TIC-5-(UNKNOWN)
TIC-6-(UNKNOWN)
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
TIC-9-(81983-71-3)
TIC-10-(61886-66-6)
TIC-11-(UNKNOWN)
TIC-12-(630-06-8)
TIC-13-(17301-28-9)
Time-->
5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50

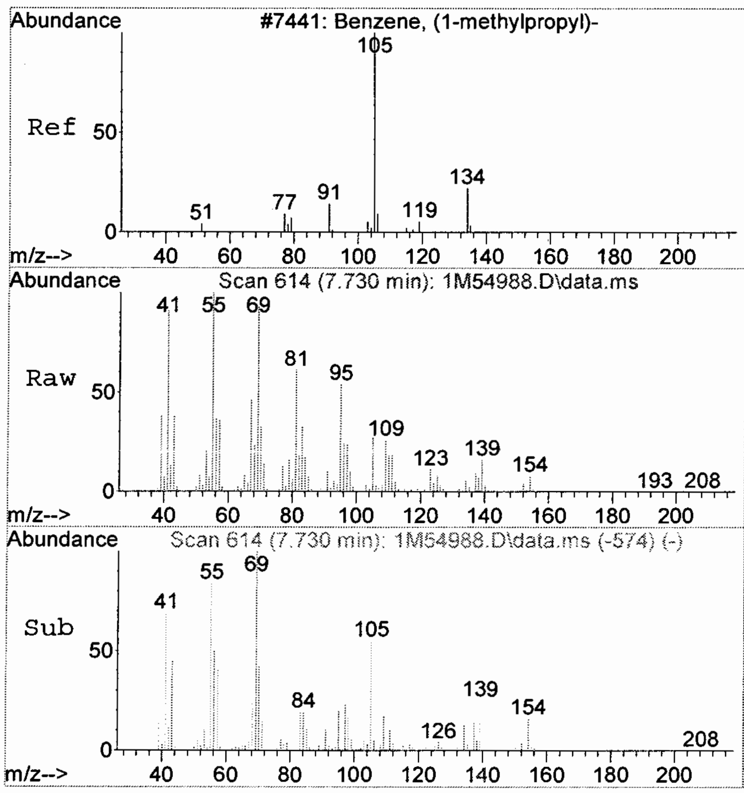


#60
Toluene
Concen: 1.10 ug/l
RT: 5.611 min Scan# 399
Delta R.T. -0.008 min
Lab File: 1M54988.D
Acq: 11 Mar 2010 11:35

Tgt Ion: 92 Resp: 3384

Ion	Ratio	Lower	Upper
92	100		
91	166.4	104.1	242.9

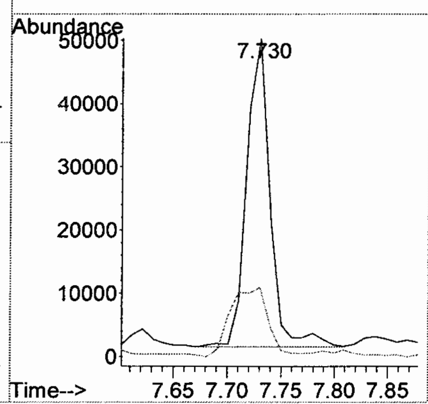




#86
sec-Butylbenzene
Concen: 7.68 ug/l
RT: 7.730 min Scan# 614
Delta R.T. -0.009 min
Lab File: 1M54988.D
Acq: 11 Mar 2010 11:35

Tgt Ion:105 Resp: 73699

Ion	Ratio	Lower	Upper
105	100		
134	36.2	0.0	61.8



LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   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\2010\GCMS_1\MethodQt\1M_S0223.M
Title     : @GCMS_1,ug,624,8260

Signal     : TIC: 1M54988.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.347	4	8	13	rVB2	12203	45140	0.99%	0.050%
2	1.950	42	44	53	rVB3	2679	12190	0.27%	0.013%
3	2.487	79	82	88	rBV3	3515	7686	0.17%	0.008%
4	2.645	94	98	102	rVB	15769	22206	0.49%	0.024%
5	2.812	112	115	121	rBV3	6504	16470	0.36%	0.018%
6	3.039	135	138	143	rVB	5513	8944	0.20%	0.010%
7	3.689	201	204	208	rBV2	5858	11382	0.25%	0.013%
8	3.768	208	212	215	rVV3	4014	7622	0.17%	0.008%
9	3.827	215	218	220	rVV3	9063	18243	0.40%	0.020%
10	3.867	220	222	226	rVB	13175	19692	0.43%	0.022%
11	4.093	242	245	248	rVB2	7161	10233	0.23%	0.011%
12	4.153	248	251	255	rBV	78633	127539	2.81%	0.141%
13	4.251	258	261	266	rVB2	22214	43612	0.96%	0.048%
14	4.379	270	274	281	rBV2	84488	157858	3.48%	0.174%
15	4.498	281	286	289	rVV4	10038	27339	0.60%	0.030%
16	4.547	289	291	293	rVB	10317	13060	0.29%	0.014%
17	4.606	293	297	300	rBV	273466	370353	8.16%	0.408%
18	4.695	302	306	309	rBV4	9091	21026	0.46%	0.023%
19	4.823	315	319	320	rBV2	5247	10528	0.23%	0.012%
20	4.842	320	321	325	rVB2	6102	10377	0.23%	0.011%
21	4.941	327	331	334	rBV2	56704	123605	2.72%	0.136%
22	4.980	334	335	338	rVV	37956	49871	1.10%	0.055%
23	5.040	338	341	343	rVV	13536	23026	0.51%	0.025%
24	5.109	343	348	352	rVB3	22106	58329	1.28%	0.064%
25	5.207	352	358	363	rBV	105685	166671	3.67%	0.184%
26	5.286	363	366	368	rBV	65646	100232	2.21%	0.110%
27	5.325	368	370	373	rVB	46417	61398	1.35%	0.068%
28	5.404	375	378	381	rVB	208354	316823	6.98%	0.349%
29	5.483	384	386	391	rVB3	102844	184225	4.06%	0.203%
30	5.572	391	395	398	rBV	359534	552818	12.18%	0.609%
31	5.621	398	400	402	rVB3	24749	31796	0.70%	0.035%
32	5.670	402	405	410	rBV2	233807	486867	10.72%	0.537%
33	5.749	410	413	415	rBV	181069	268379	5.91%	0.296%
34	5.779	415	416	418	rVB	67339	57379	1.26%	0.063%
35	5.838	418	422	427	rBV3	325418	734903	16.19%	0.810%

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	5.897	427	428	430	rVB	60284	38839	0.86%	0.043%
37	5.936	430	432	436	rVB	708048	1072307	23.62%	1.182%
38	6.015	436	440	441	rBV	320515	468859	10.33%	0.517%
39	6.035	441	442	444	rVB2	79705	83628	1.84%	0.092%
40	6.065	444	445	447	rVB	84932	83073	1.83%	0.092%
41	6.104	447	449	450	rBV2	51203	66914	1.47%	0.074%
42	6.153	450	454	456	rBV	1306019	1908446	42.04%	2.103%
43	6.183	456	457	458	rBV	86897	62371	1.37%	0.069%
44	6.212	458	460	465	rVB3	325178	576762	12.70%	0.636%
45	6.281	465	467	472	rVB3	421365	799575	17.61%	0.881%
46	6.370	472	476	477	rBV3	271235	513095	11.30%	0.565%
47	6.390	477	478	480	rBV2	25884	39388	0.87%	0.043%
48	6.439	480	483	486	rVB3	446297	857380	18.88%	0.945%
49	6.518	486	491	493	rBV3	306591	594818	13.10%	0.656%
50	6.567	493	496	498	rBV3	1050244	1760506	38.78%	1.940%
51	6.617	498	501	504	rVB2	1178446	1944377	42.83%	2.143%
52	6.676	504	507	509	rBV3	510030	1043966	22.99%	1.151%
53	6.725	509	512	514	rVB2	500084	772432	17.01%	0.851%
54	6.774	514	517	521	rBV5	815687	1939429	42.72%	2.137%
55	6.853	521	525	528	rVB2	2136415	3949360	86.99%	4.353%
56	6.942	528	534	537	rBV4	1508247	4540013	100.00%	5.004%
57	7.001	537	540	542	rBV	1127535	1707957	37.62%	1.882%
58	7.070	542	547	549	rVB3	327812	883748	19.47%	0.974%
59	7.099	549	550	552	rBV	269687	274356	6.04%	0.302%
60	7.139	552	554	556	rVB	748396	993771	21.89%	1.095%
61	7.198	556	560	564	rBV5	838838	2339084	51.52%	2.578%
62	7.257	564	566	569	rVB	1276377	1613935	35.55%	1.779%
63	7.316	569	572	576	rBV3	870487	2644718	58.25%	2.915%
64	7.385	576	579	586	rVV5	1405127	4351783	95.85%	4.796%
65	7.484	586	589	591	rVV4	1101546	1932175	42.56%	2.129%
66	7.533	591	594	596	rVV	703872	1328279	29.26%	1.464%
67	7.573	596	598	602	rVB4	754614	1611013	35.48%	1.776%
68	7.632	602	604	606	rBV2	1175236	2037988	44.89%	2.246%
69	7.671	606	608	611	rVB	1349904	2124855	46.80%	2.342%
70	7.760	611	617	622	rBV6	1016294	4514317	99.43%	4.975%
71	7.829	622	624	626	rVV2	494771	792602	17.46%	0.874%
72	7.858	626	627	631	rVB3	477545	864453	19.04%	0.953%
73	7.967	631	638	643	rBV3	1271851	3510830	77.33%	3.869%
74	8.105	646	652	655	rBV3	1607882	4398739	96.89%	4.848%
75	8.154	655	657	659	rVV2	535074	912568	20.10%	1.006%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	8.213	659	663	666	rVV5	1148482	2795395	61.57%	3.081%
77	8.292	666	671	675	rVB7	1063900	3129125	68.92%	3.449%
78	8.371	675	679	680	rBV4	322575	750215	16.52%	0.827%
79	8.400	680	682	683	rVV2	421072	611586	13.47%	0.674%
80	8.430	683	685	688	rVV4	473838	923614	20.34%	1.018%
81	8.469	688	689	691	rVV2	148102	194505	4.28%	0.214%
82	8.519	691	694	697	rVV2	958740	1800910	39.67%	1.985%
83	8.568	697	699	701	rVV3	376521	551969	12.16%	0.608%
84	8.617	701	704	706	rVB3	326813	467173	10.29%	0.515%
85	8.657	706	708	711	rBV2	838837	1247531	27.48%	1.375%
86	8.706	711	713	716	rVV4	217209	382709	8.43%	0.422%
87	8.745	716	717	719	rVB	209678	186018	4.10%	0.205%
88	8.785	719	721	723	rBV	245984	337459	7.43%	0.372%
89	8.873	725	730	738	rVB3	862771	2840578	62.57%	3.131%
90	8.962	738	739	741	rVB	143306	166594	3.67%	0.184%
91	9.011	741	744	748	rBV5	575573	1350916	29.76%	1.489%
92	9.071	748	750	753	rVB4	295813	535348	11.79%	0.590%
93	9.140	753	757	759	rBV3	376361	805239	17.74%	0.887%
94	9.169	759	760	762	rVV2	162982	171618	3.78%	0.189%
95	9.228	762	766	769	rVB2	825234	1316336	28.99%	1.451%
96	9.307	772	774	776	rVB2	183349	223543	4.92%	0.246%
97	9.347	776	778	780	rBV3	98660	187401	4.13%	0.207%
98	9.425	784	786	789	rVB3	318171	547949	12.07%	0.604%
99	9.475	789	791	795	rVB5	182095	368484	8.12%	0.406%
100	9.554	797	799	801	rVV3	85064	115892	2.55%	0.128%
101	9.603	801	804	807	rVV2	765763	1125795	24.80%	1.241%
102	9.662	807	810	816	rVV7	170404	534720	11.78%	0.589%
103	9.741	816	818	822	rVB3	165571	288823	6.36%	0.318%
104	9.800	822	824	826	rVV3	53440	65022	1.43%	0.072%
105	9.839	826	828	830	rVV2	112737	148301	3.27%	0.163%
106	9.879	830	832	838	rVB5	172060	432952	9.54%	0.477%

Sum of corrected areas: 90734251

LSC Report - Integrated Chromatogram

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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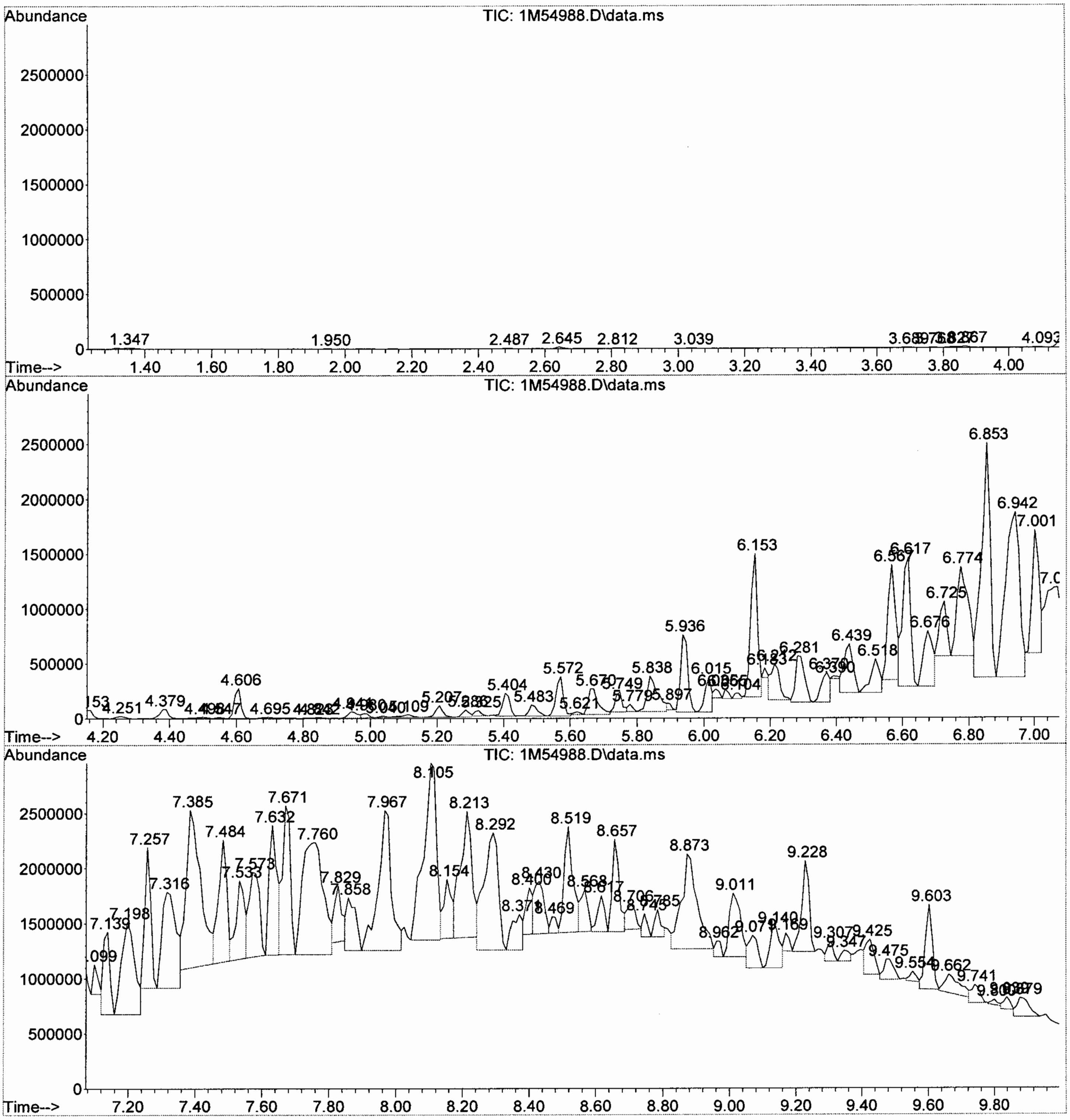


Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

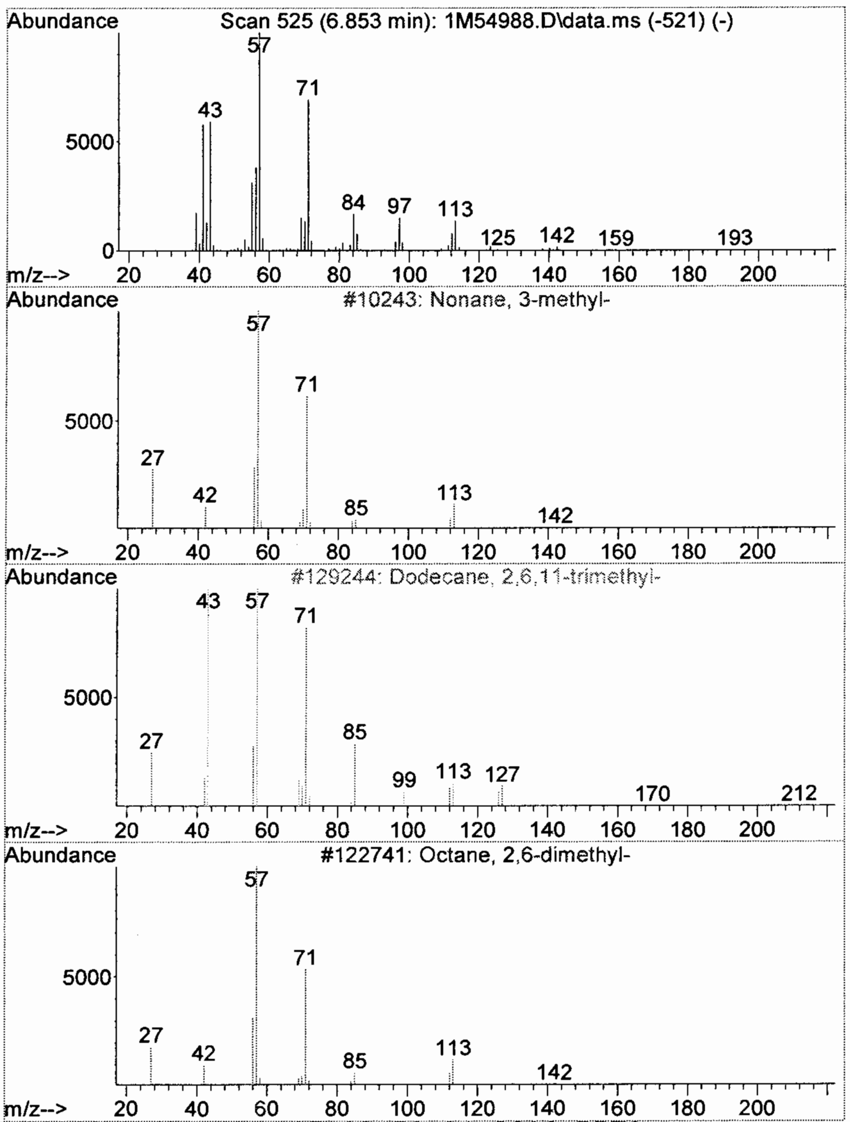
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

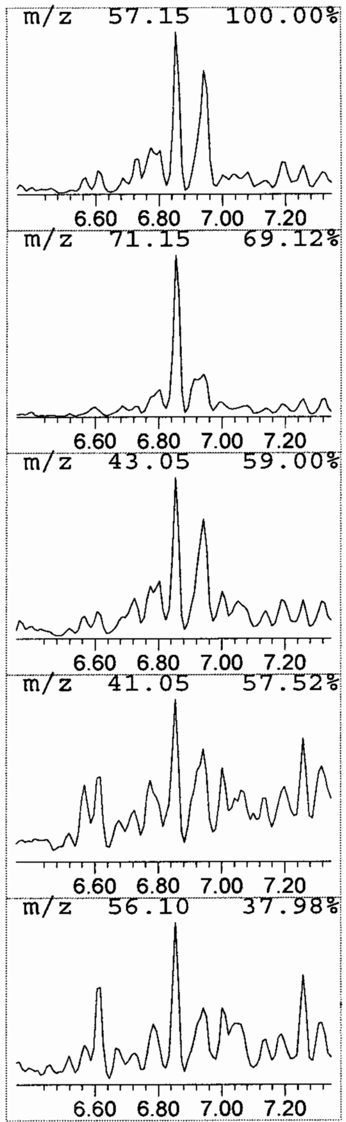
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	271.28 ug/l	3949360	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	93
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	45
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	45





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

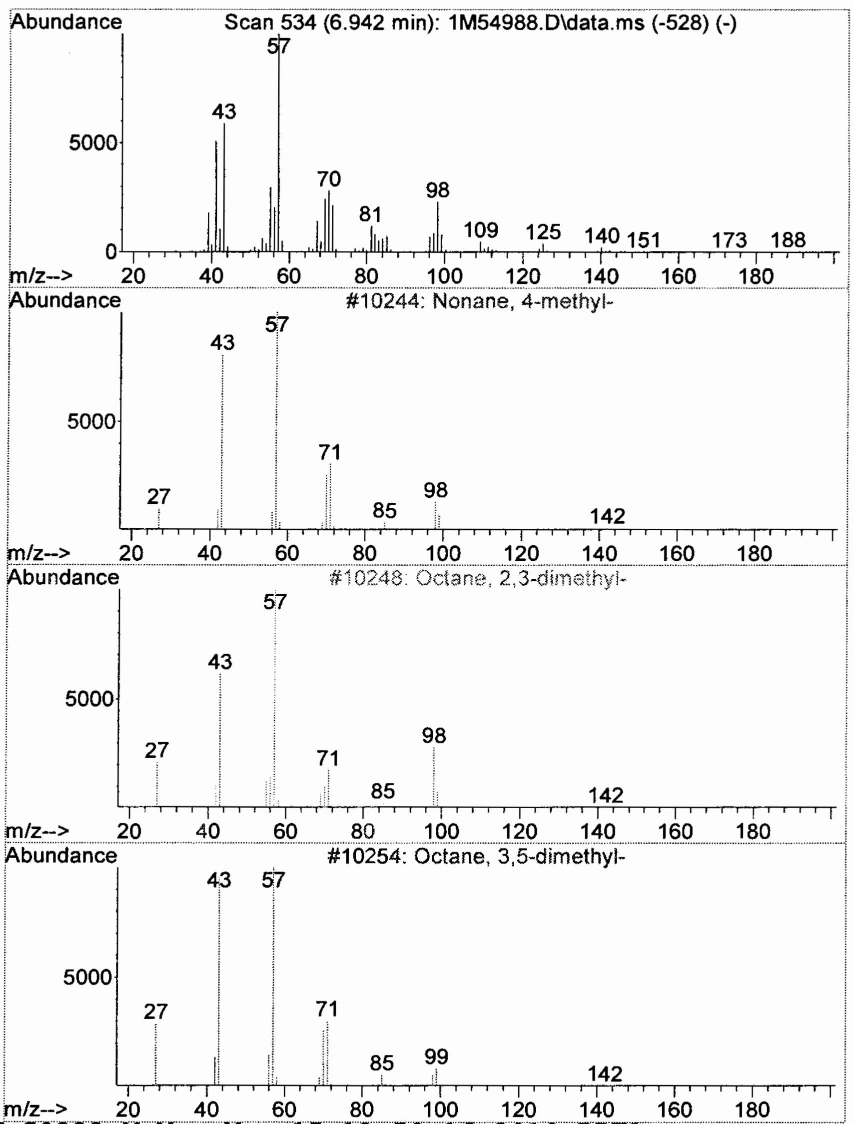
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

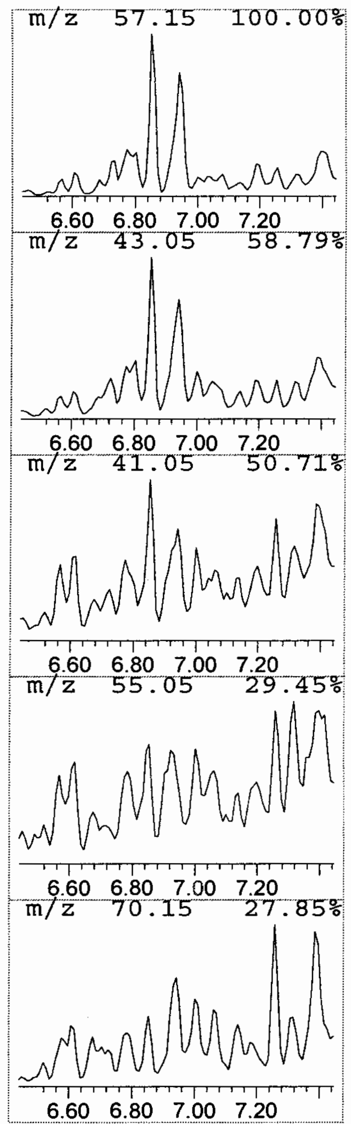
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number  2  Heptane, 3-ethyl-2-methyl-      Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	311.85 ug/l	4540013	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	27
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	25





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

*********************************************************************
Peak Number  3  1H-Indene, octahydro-, cis-     Concentration Rank 11
```
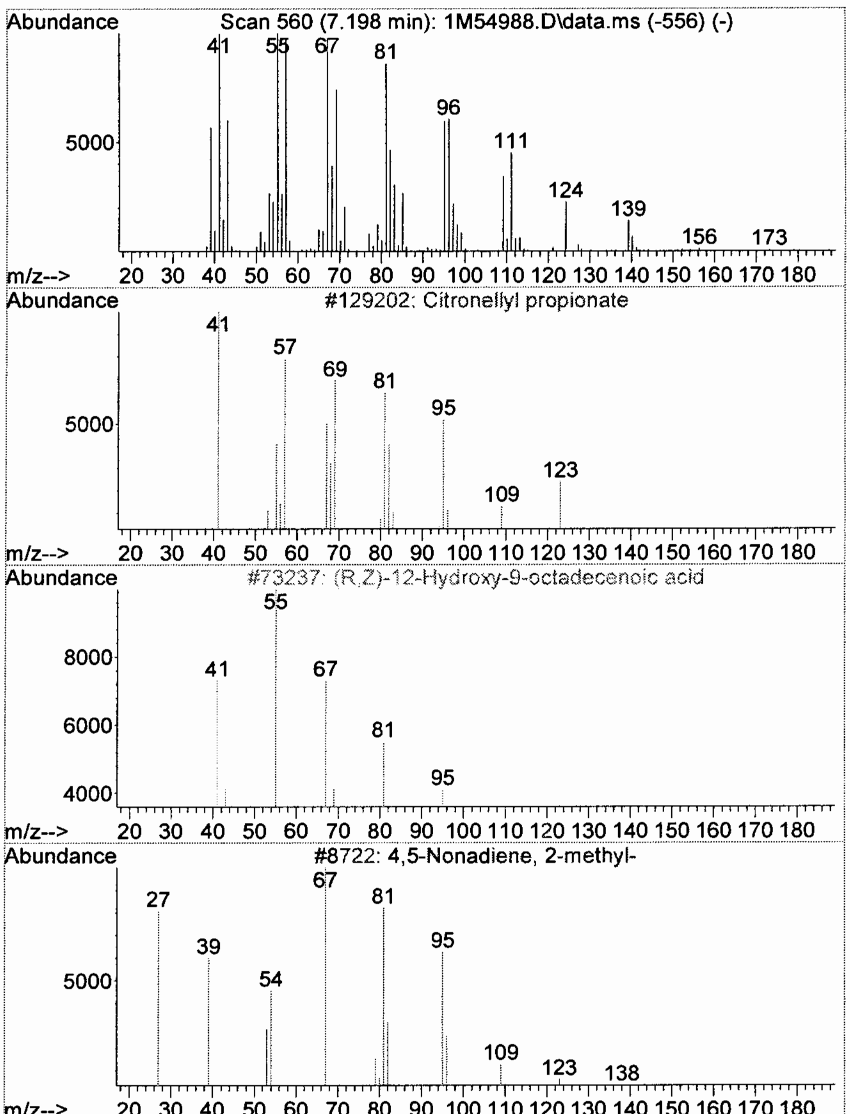
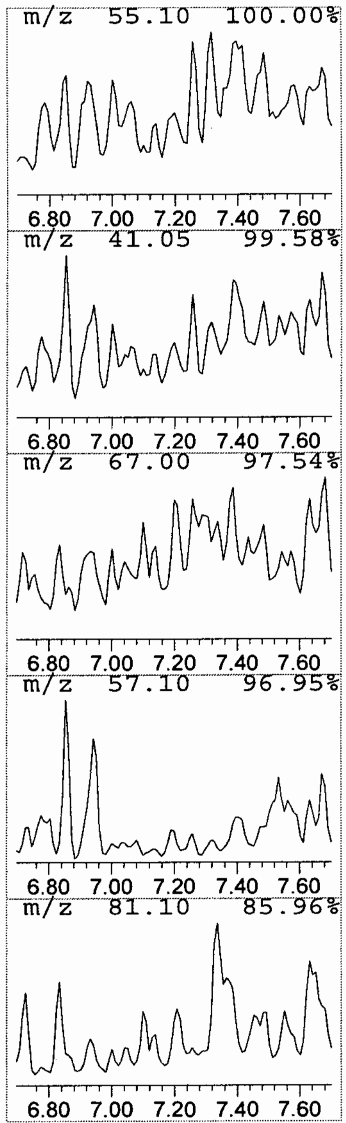

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	203.06 ug/l	2339084	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Citronellyl propionate	212	C13H24O2	000141-14-0	47
2	(R,Z)-12-Hydroxy-9-octadecenoic ...	298	C18H34O3	000000-00-0	14
3	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	38
4	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	11





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

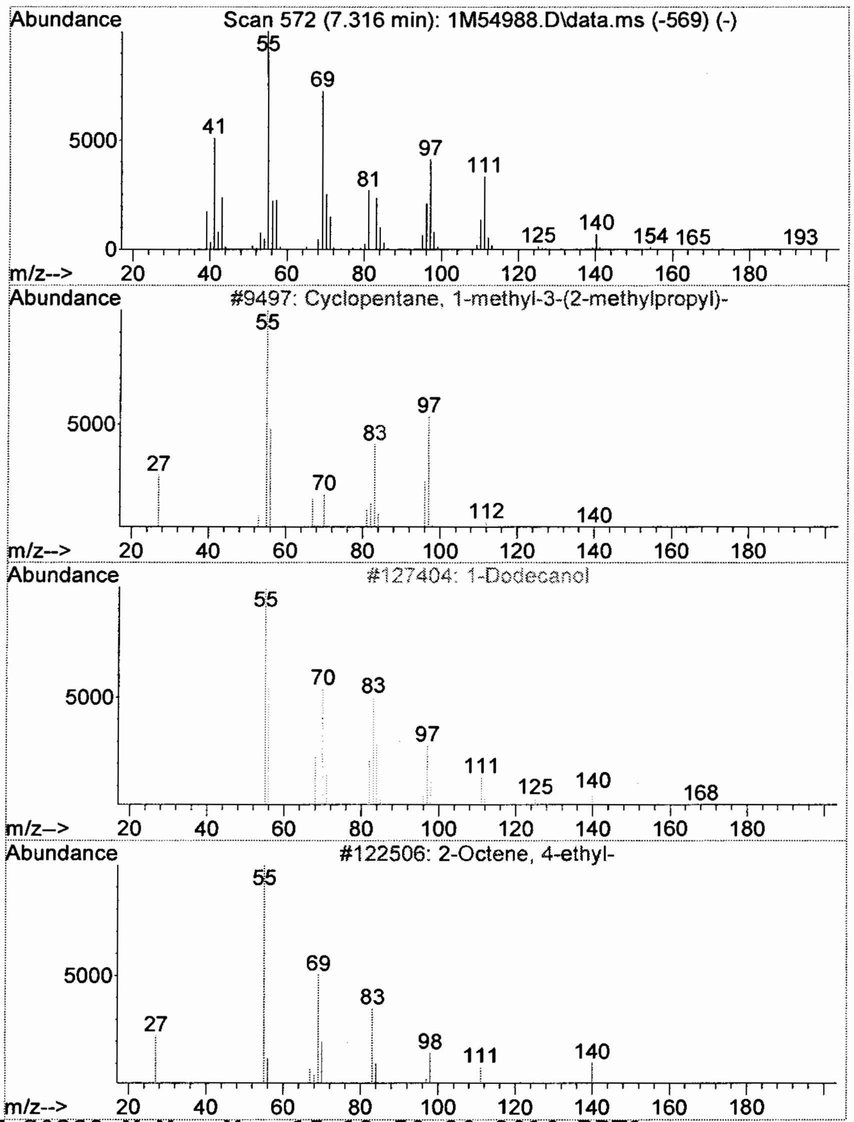
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

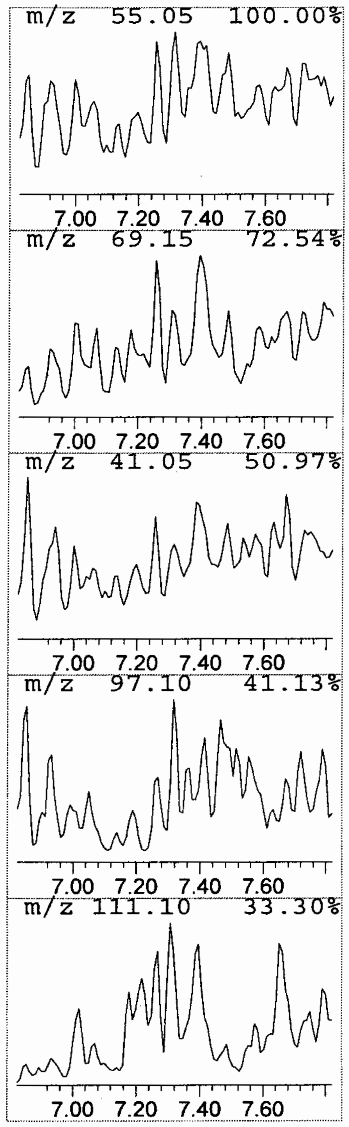
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	229.59 ug/l	2644718	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
2	1-Dodecanol	186	C12H26O	000112-53-8	32
3	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	22
4	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	35
5	1-Hexadecene	224	C16H32	000629-73-2	25





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

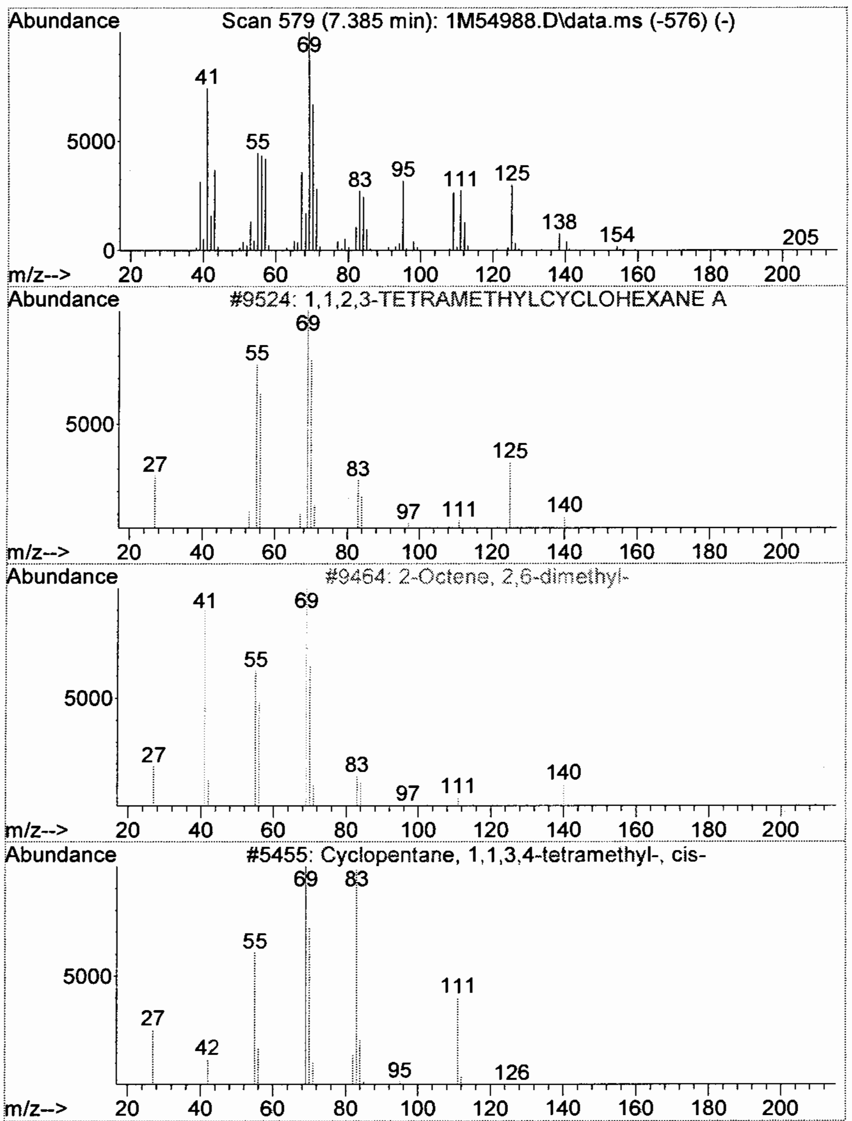
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

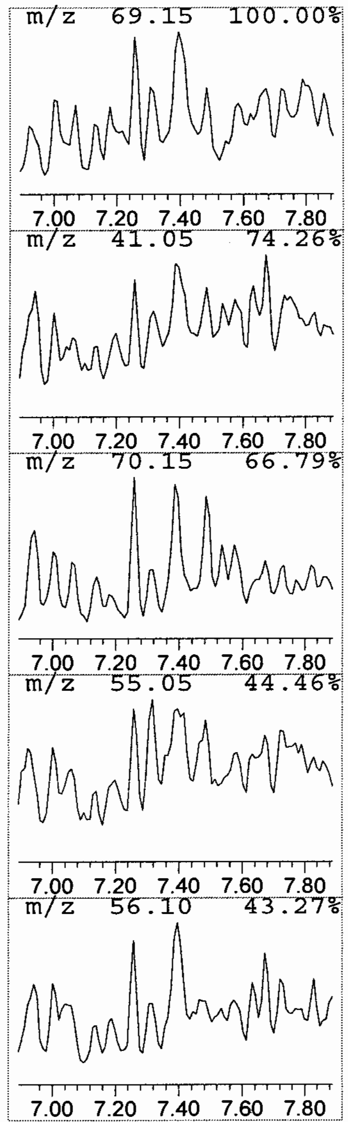
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	377.79 ug/l	4351783	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,2,3-TETRAMETHYLCYCLOHEXANE A	140	C10H20	006783-92-2	42
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	38
3	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	37
4	1,1,2,3-TETRAMETHYLCYCLOHEXANE	140	C10H20	071186-28-2	32
5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	37





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

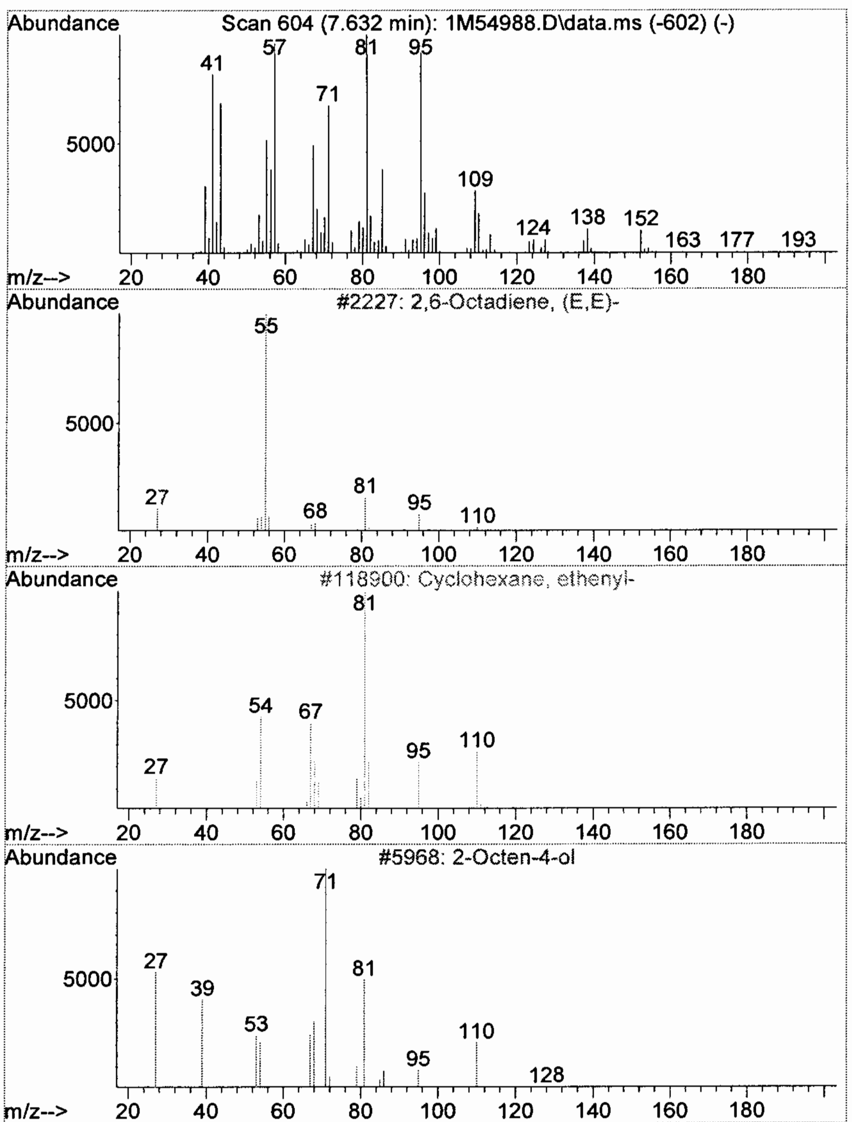
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

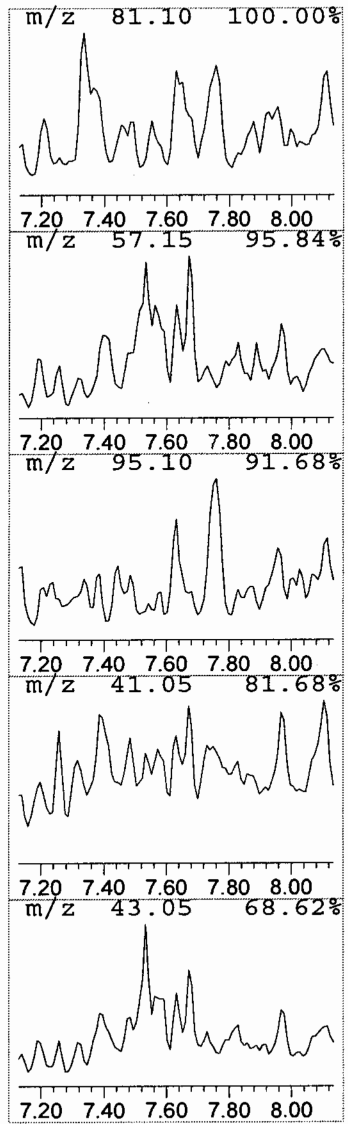
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	176.92 ug/l	2037988	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadiene, (E,E)-	110	C8H14	018152-31-3	35
2	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	25
3	2-Octen-4-ol	128	C8H16O	004798-61-2	11
4	CIS-DIMETHYL-ISOPROPYLIDENE CYCL...	110	C8H14	000000-00-0	11
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	30





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

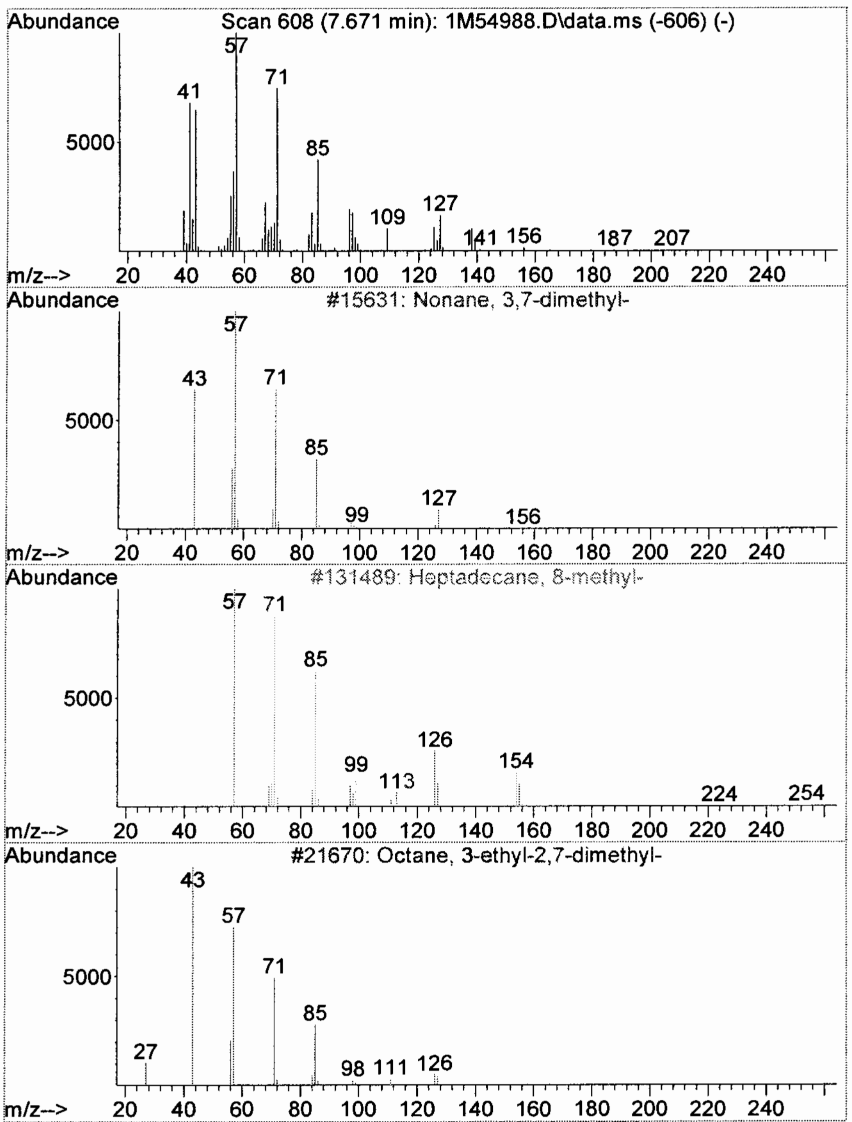
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

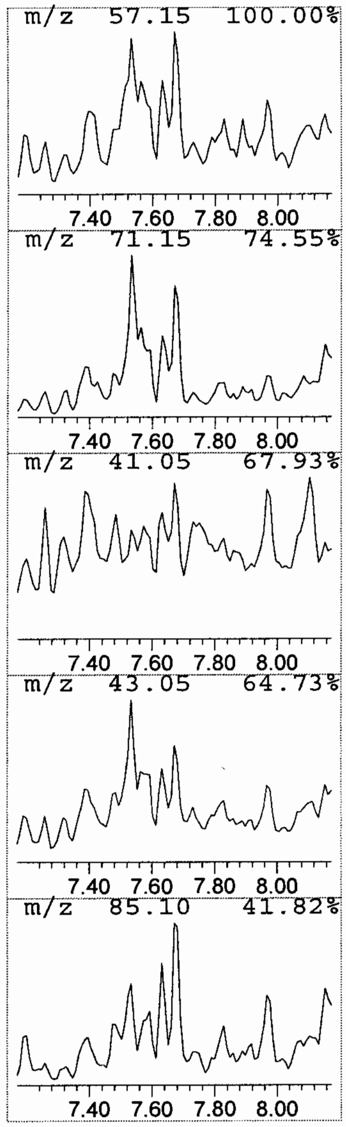
****

Peak Number 7 Nonane, 3,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	184.46 ug/l	2124855	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	50
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	38
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	32
5	Decane, 3-methyl-	156	C11H24	013151-34-3	43





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

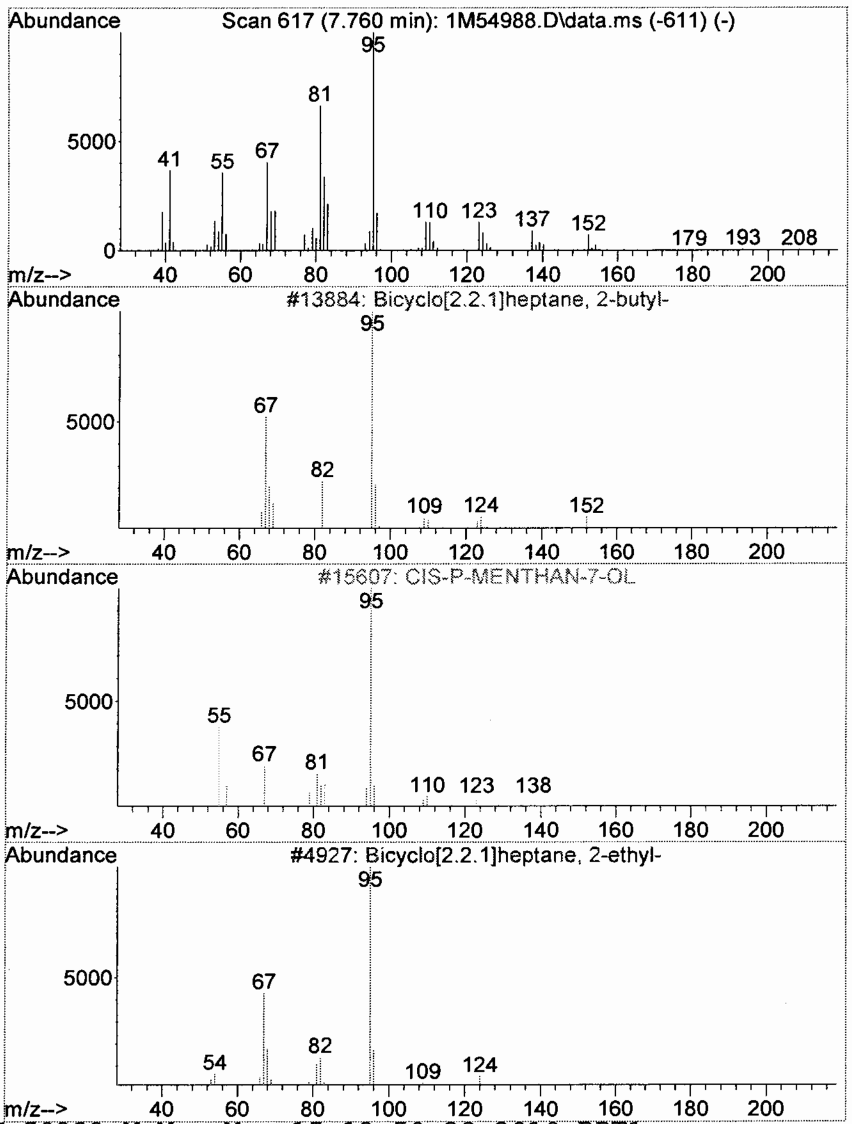
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

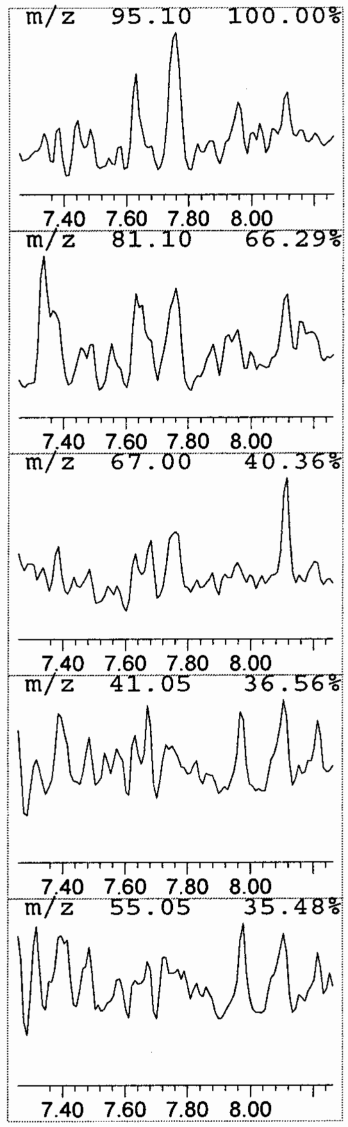
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number  8  Bicyclo[2.2.1]heptane, 2-bu...   Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	391.90 ug/l	4514317	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-butyl-	152	$C_{11}H_{20}$	061177-16-0	59
2	CIS-P-MENTHAN-7-OL	156	$C_{10}H_{20}O$	013828-37-0	42
3	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C_9H_{16}	002146-41-0	53
4	Cyclohexene, 3-methyl-6-(1-methy...	138	$C_{10}H_{18}$	005256-65-5	50
5	CYCLOPENTANE, 1,2-DIMETHYL-3-MET...	110	C_8H_{14}	000000-00-0	25





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

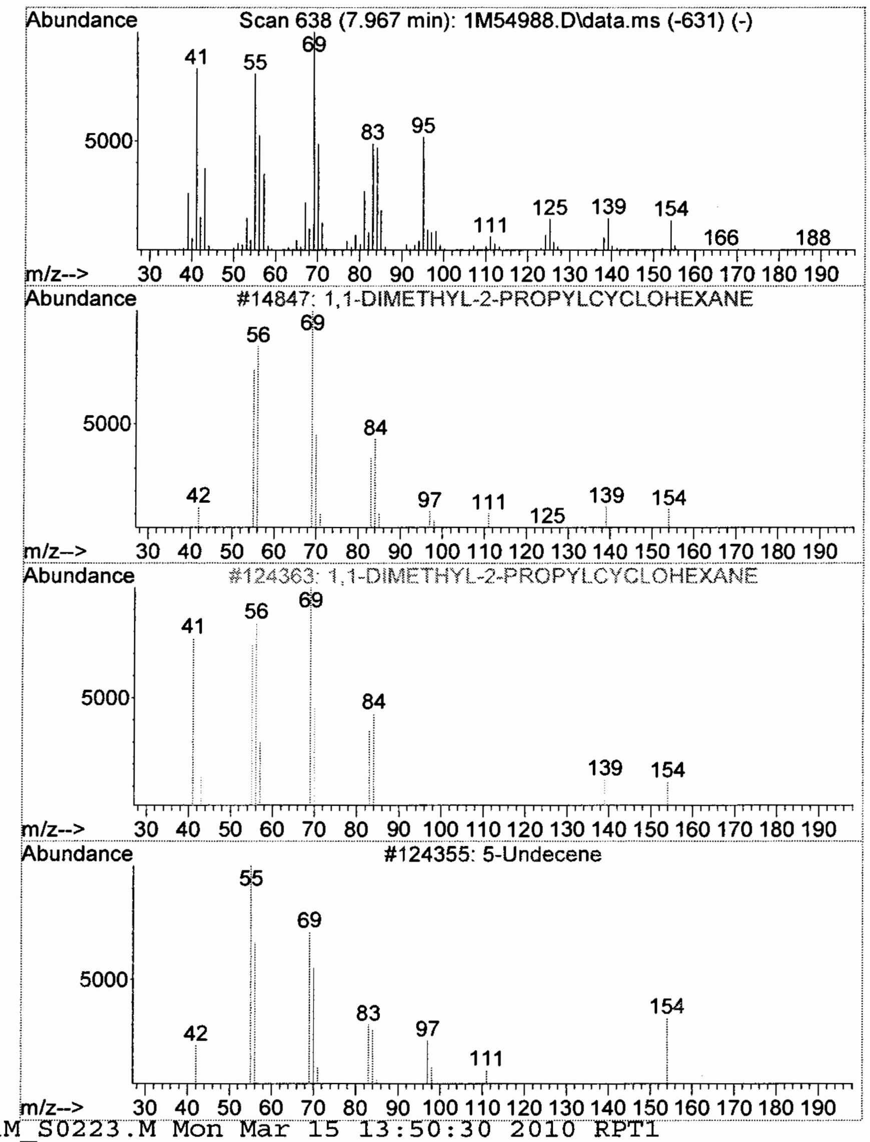
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

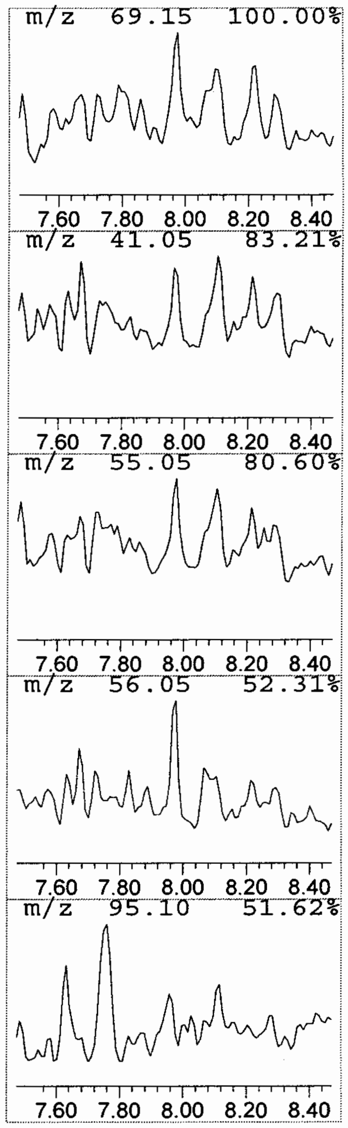
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1-DIMETHYL-2-PROPYLCYCLOH... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	304.78 ug/l	3510830	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	154	C11H22	081983-71-3	70
2	1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	154	C11H22	081983-71-3	83
3	5-Undecene	154	C11H22	004941-53-1	10
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	11
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	10





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

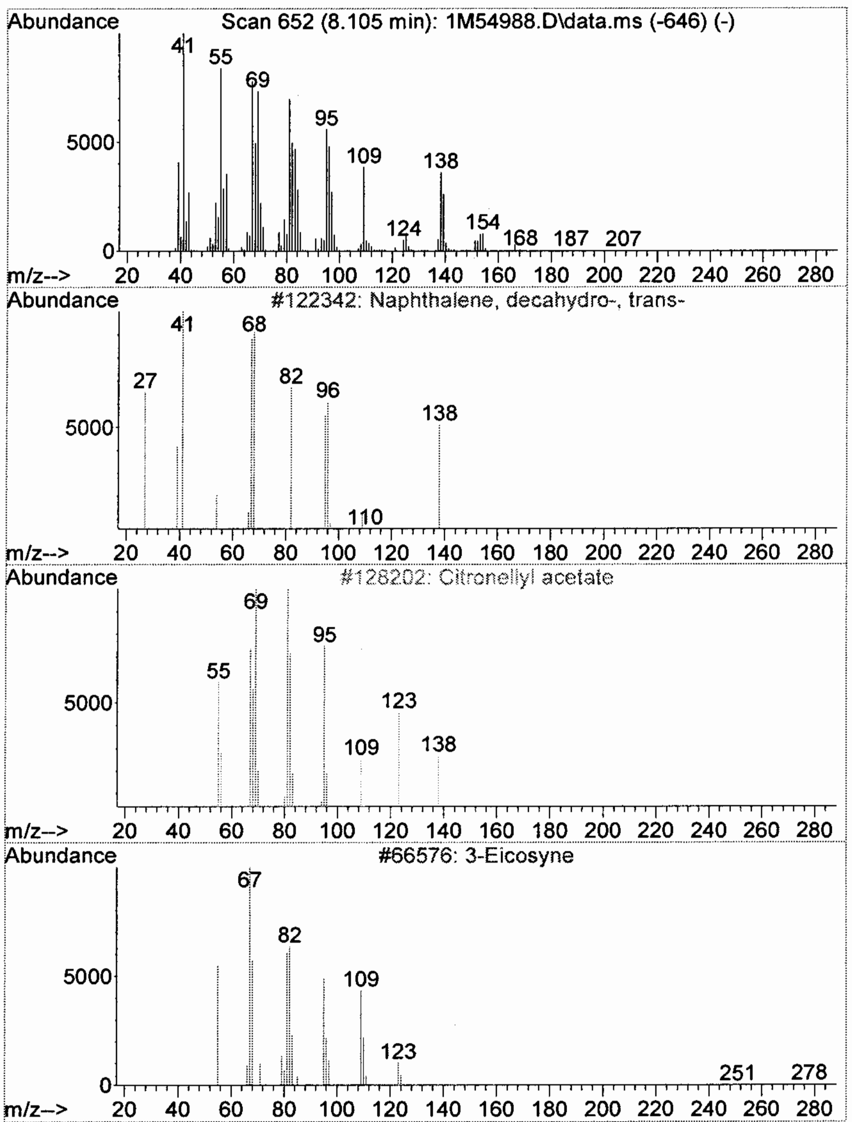
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

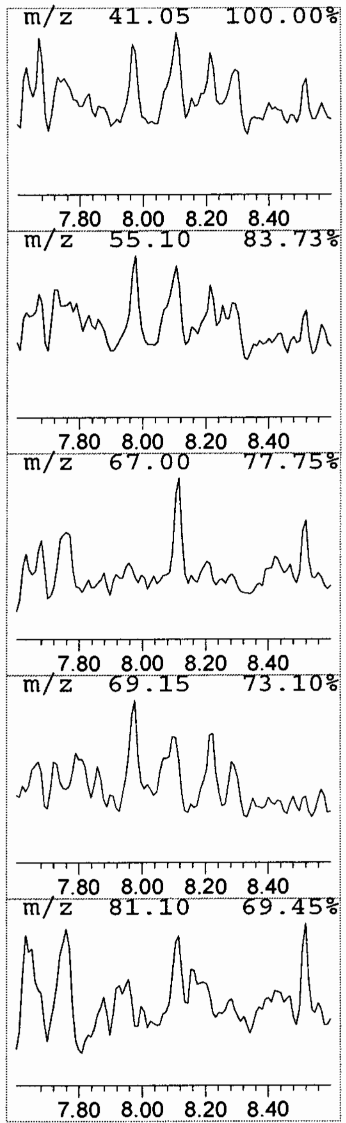
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 3-Eicosyne Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	381.86 ug/l	4398739	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	38
2	Citronellyl acetate	198	C12H22O2	000150-84-5	35
3	3-Eicosyne	278	C20H38	061886-66-6	49
4	3-Octadecyne	250	C18H34	061886-64-4	49
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60





Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

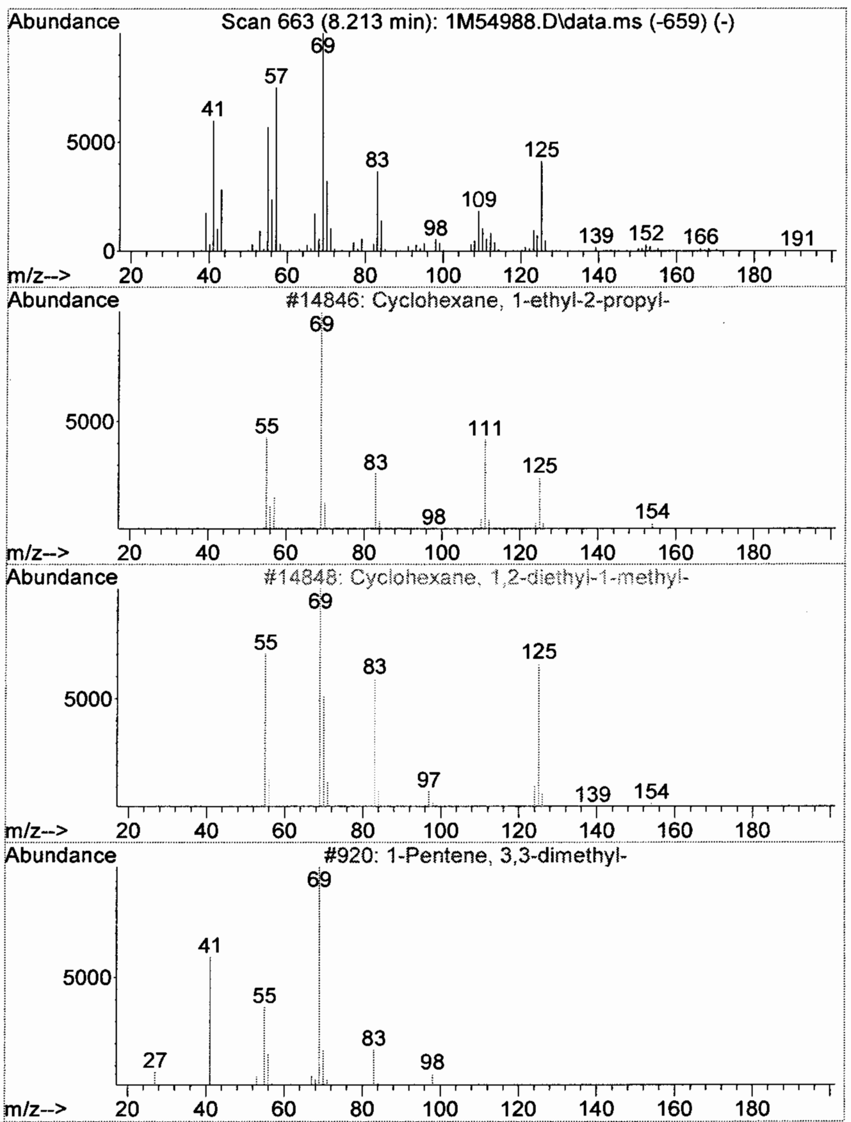
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

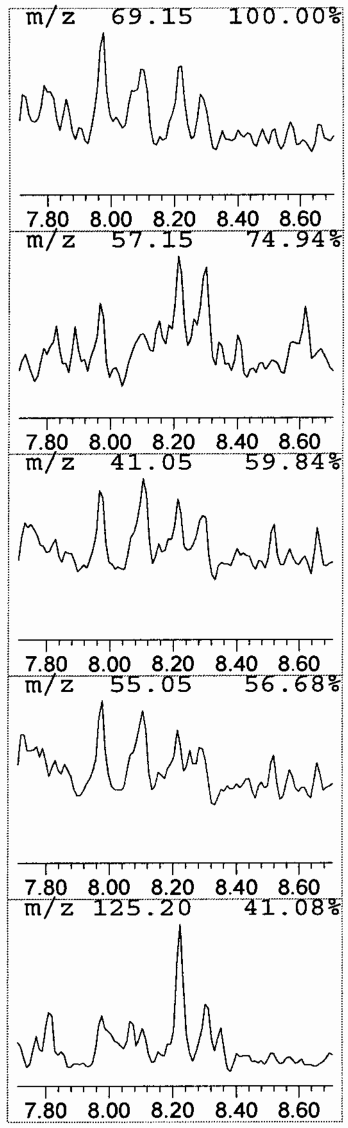
****

Peak Number 11 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	242.67 ug/l	2795395	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	40
2	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	27
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	9
4	Heptane, 4-methylene-	112	C8H16	015918-08-8	32
5	CITRONELLA	154	C10H18O	000106-23-0	32





Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

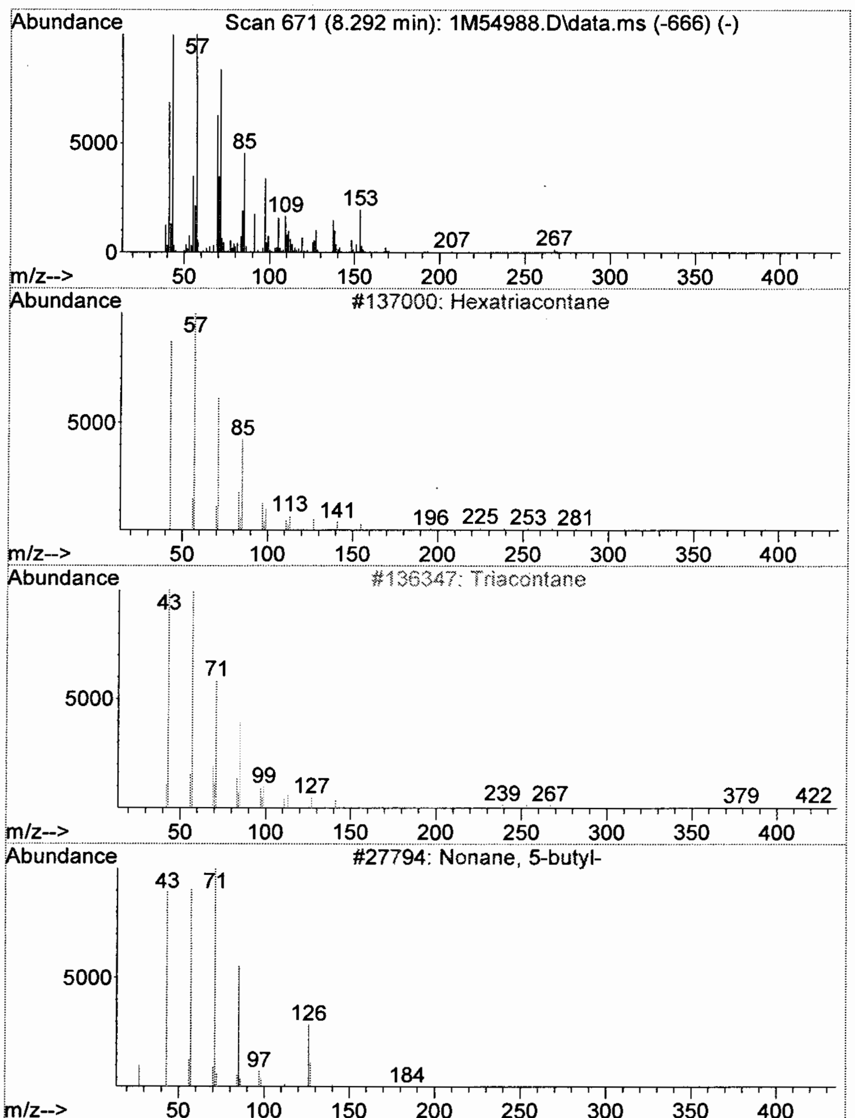
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

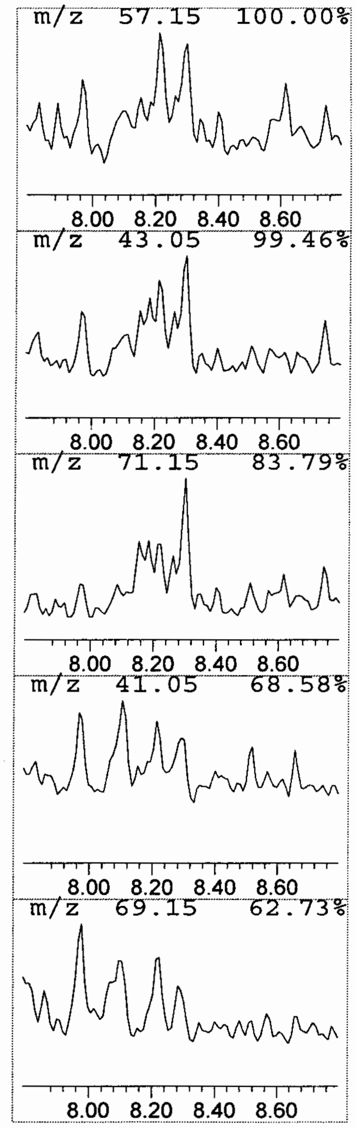
****

Peak Number 12 Hexatriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	271.64 ug/l	3129125	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	53
2	Triacontane	422	C30H62	000638-68-6	50
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	47
4	Heptadecane	240	C17H36	000629-78-7	49
5	Hexadecane	226	C16H34	000544-76-3	47





Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On    : 11 Mar 2010  11:35
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!7
ALS Vial  : 56   Sample Multiplier: 1

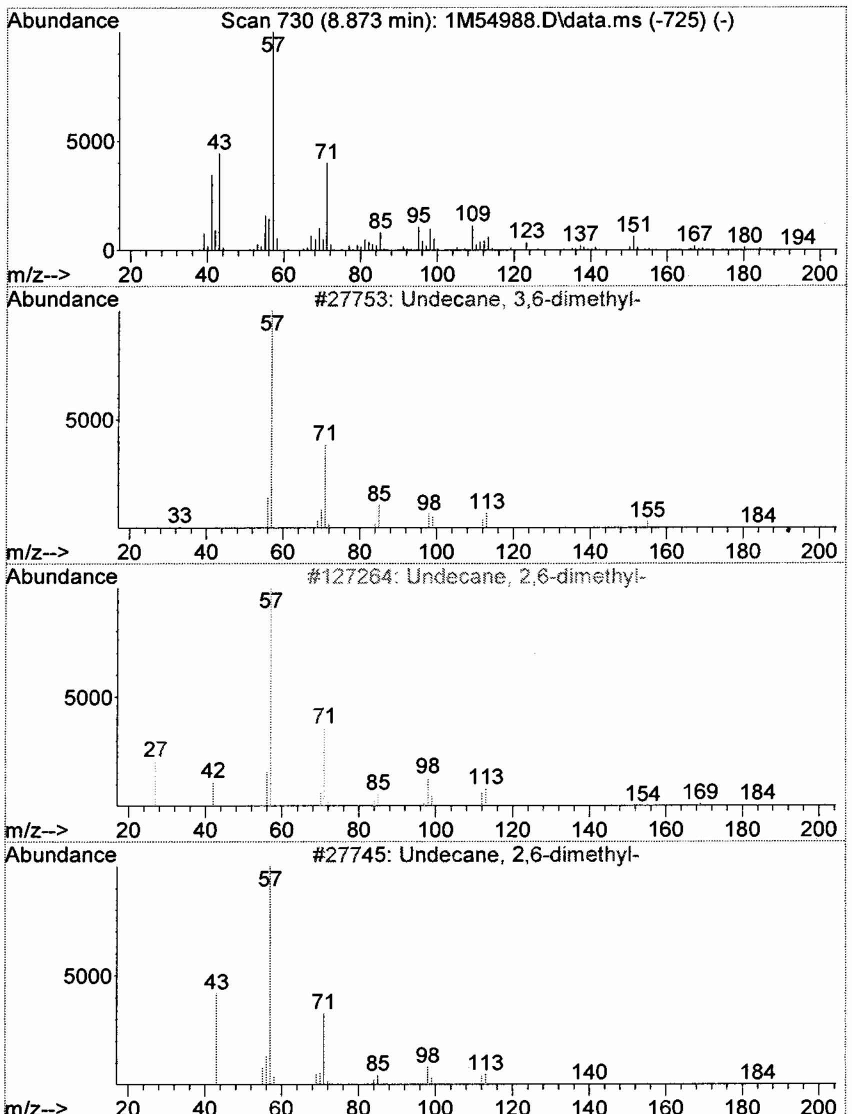
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

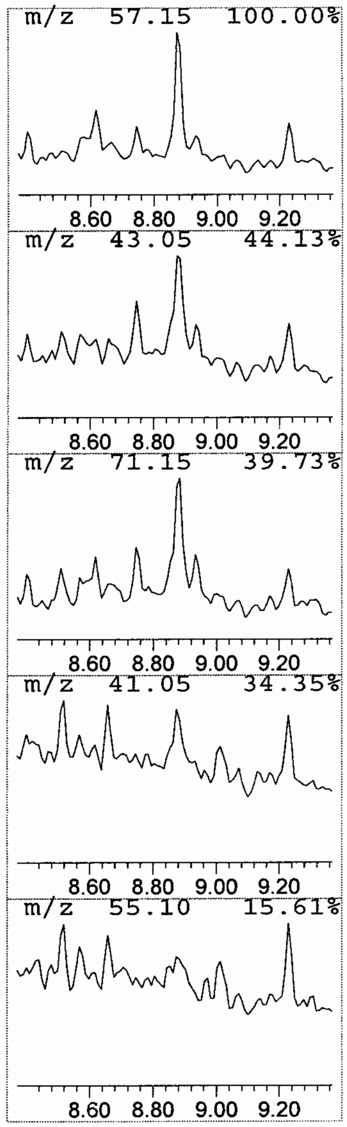
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

Peak Number 13 Undecane, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	246.60 ug/l	2840578	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	46
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	49





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54988.D
Acq On : 11 Mar 2010 11:35
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!7
ALS Vial : 56 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
Nonane, 3-methyl-	6.85	271.3	ug/l	3949360	2	6.44	6.44	436751	30.0
Heptane, 3-ethyl-...	6.94	311.8	ug/l	4540013	2	6.44	6.44	436751	30.0
1H-Indene, octahy...	7.20	203.1	ug/l	2339084	3	7.86	7.86	345575	30.0
unknown	7.32	229.6	ug/l	2644718	3	7.86	7.86	345575	30.0
unknown	7.39	377.8	ug/l	4351783	3	7.86	7.86	345575	30.0
unknown	7.63	176.9	ug/l	2037988	3	7.86	7.86	345575	30.0
Nonane, 3,7-dimet...	7.67	184.5	ug/l	2124855	3	7.86	7.86	345575	30.0
Bicyclo[2.2.1]hep...	7.76	391.9	ug/l	4514317	3	7.86	7.86	345575	30.0
1,1-DIMETHYL-2-PR...	7.97	304.8	ug/l	3510830	3	7.86	7.86	345575	30.0
3-Eicosyne	8.10	381.9	ug/l	4398739	3	7.86	7.86	345575	30.0
unknown	8.21	242.7	ug/l	2795395	3	7.86	7.86	345575	30.0
Hexatriacontane	8.29	271.6	ug/l	3129125	3	7.86	7.86	345575	30.0
Undecane, 3,6-dim...	8.87	246.6	ug/l	2840578	3	7.86	7.86	345575	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-003(5X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 1M54949.D
Analysis Date: 03/10/10 13:58
Date Rec/Extracted: 03/05/10-NA
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: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0068	U	56-23-5	Carbon Tetrachloride	0.0068	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0068	U	108-90-7	Chlorobenzene	0.0068	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0068	U	75-00-3	Chloroethane	0.0068	U
79-00-5	1,1,2-Trichloroethane	0.0068	U	67-66-3	Chloroform	0.0068	U
75-34-3	1,1-Dichloroethane	0.0068	U	74-87-3	Chloromethane	0.0068	U
75-35-4	1,1-Dichloroethene	0.0068	U	156-59-2	cis-1,2-Dichloroethene	0.0068	U
96-18-4	1,2,3-Trichloropropane	0.0068	U	10061-01-5	cis-1,3-Dichloropropene	0.0068	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U	124-48-1	Dibromochloromethane	0.0068	U
95-50-1	1,2-Dichlorobenzene	0.0068	U	75-71-8	Dichlorodifluoromethane	0.0068	U
107-06-2	1,2-Dichloroethane	0.0068	U	100-41-4	Ethylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0068	U	98-82-8	Isopropylbenzene	0.0014	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U	136777612	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0068	U	75-09-2	Methylene Chloride	0.0068	U
142-28-9	1,3-Dichloropropane	0.0068	U	1634-04-4	Methyl-t-butyl ether	0.0014	U
106-46-7	1,4-Dichlorobenzene	0.0068	U	104-51-8	n-Butylbenzene	0.0014	U
123-91-1	1,4-Dioxane	0.34	U	103-65-1	n-Propylbenzene	0.0014	U
78-93-3	2-Butanone	0.0068	U	95-47-6	o-Xylene	0.0014	U
110-75-8	2-Chloroethylvinylether	0.0068	U	**135-98-8**	**sec-Butylbenzene**	**0.0014**	**0.0096**
591-78-6	2-Hexanone	0.0068	U	100-42-5	Styrene	0.0068	U
99-87-6	4-Isopropyltoluene	0.0014	U	75-65-0	t-Butyl Alcohol	0.034	U
108-10-1	4-Methyl-2-Pentanone	0.0068	U	98-06-6	t-Butylbenzene	0.0014	U
67-64-1	Acetone	0.034	U	127-18-4	Tetrachloroethene	0.0068	U
107-02-8	Acrolein	0.034	U	108-88-3	Toluene	0.0014	U
107-13-1	Acrylonitrile	0.0068	U	156-60-5	trans-1,2-Dichloroethene	0.0068	U
71-43-2	Benzene	0.0014	U	10061-02-6	trans-1,3-Dichloropropene	0.0068	U
75-27-4	Bromodichloromethane	0.0068	U	79-01-6	Trichloroethene	0.0068	U
75-25-2	Bromoform	0.0068	U	75-69-4	Trichlorofluoromethane	0.0068	U
74-83-9	Bromomethane	0.0068	U	75-01-4	Vinyl Chloride	0.0068	U
75-15-0	**Carbon Disulfide**	**0.0068**	**0.017**	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101 ***Total Target Concentration*** 0.027 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: AC50199-003(5X)
Client Id: PI-01-TP-RAS4030410
Data File: 1M54949.D
Analysis Date: 03/10/10 13:58
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 74
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	14676-29-0	Heptane, 3-ethyl-2-methyl-	6.94	0.50 J
2		unknown	7.33	0.47 J
3		unknown	7.39	0.81 J
4		unknown	7.48	0.45 J
5		unknown	7.68	0.43 J
6	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.76	0.91 J
7		unknown	7.98	0.86 J
8	176-63-6	Spiro[4.5]decane	8.11	0.91 J
9	61142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	8.21	0.60 J
10		unknown	8.29	0.69 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 6.6

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)

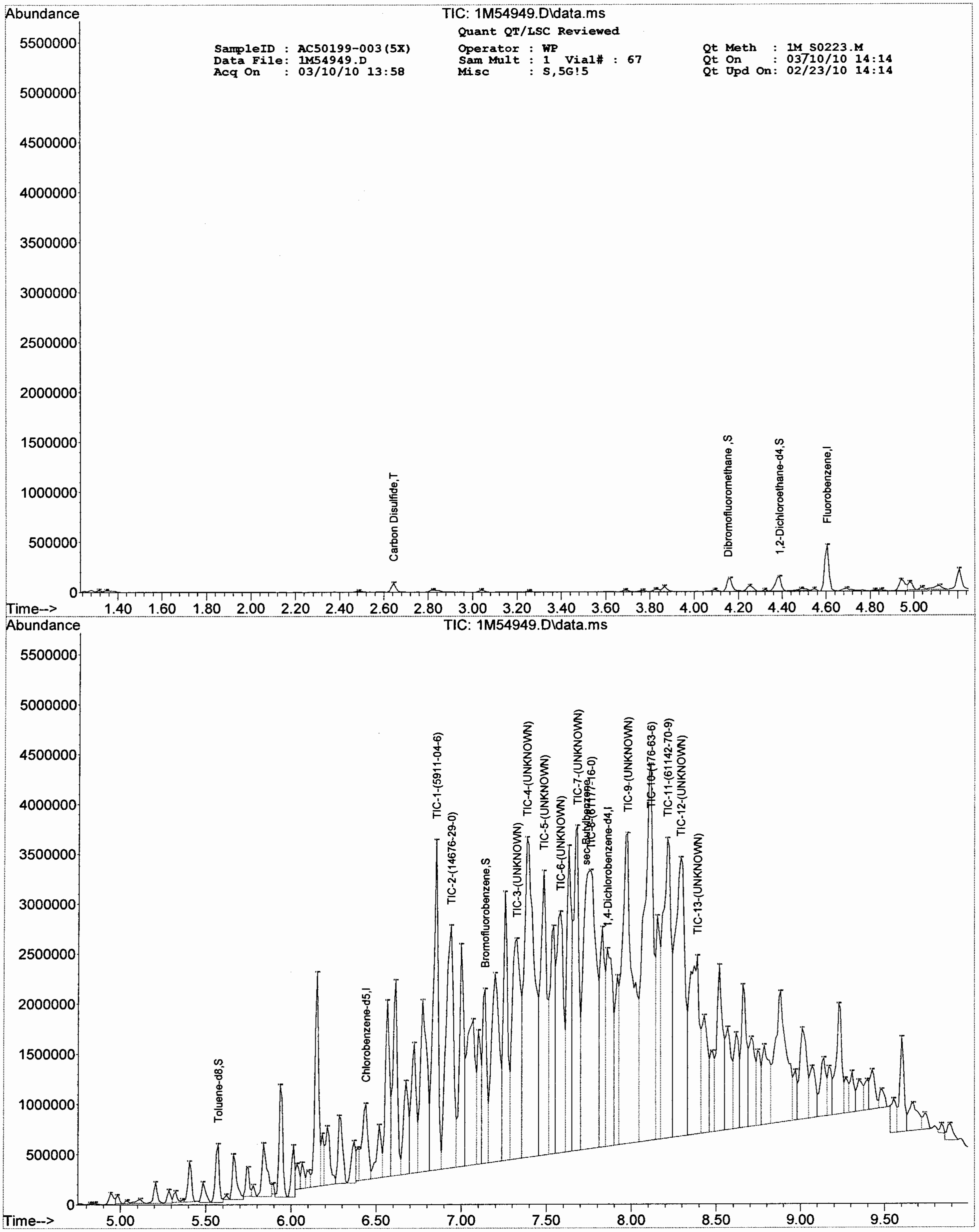
SampleID : AC50199-003(5X)	Operator : WP	Qt Meth : 1M_S0223.M
Data File: 1M54949.D	Sam Mult : 1 Vial# : 67	Qt On : 03/10/10 14:14
Acq On : 03/10/10 13:58	Misc : S,5G!5	Qt Upd On: 02/23/10 14:14

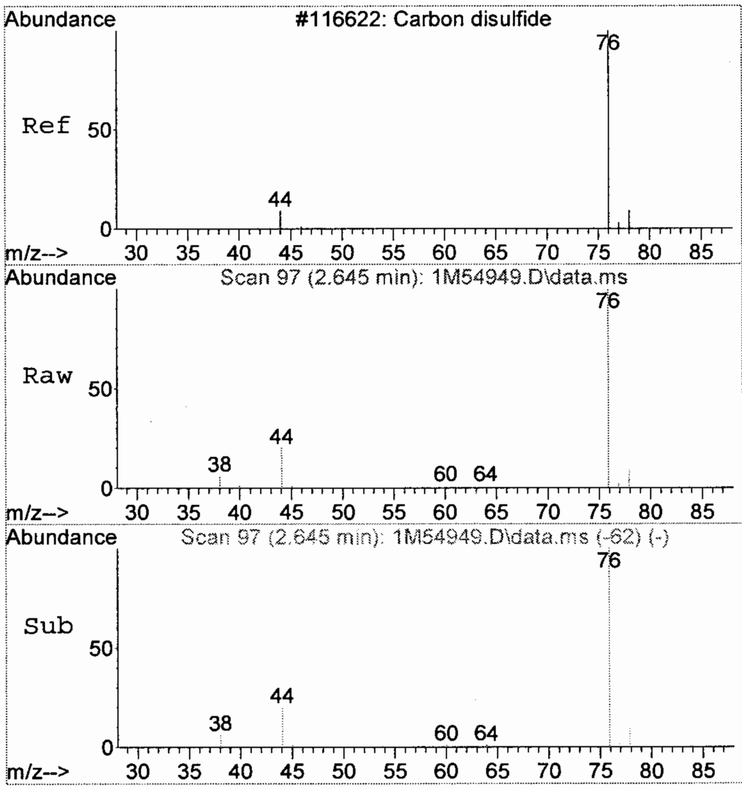
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.606	96	221701	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.439	117	148437	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	109811	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.152	111	60902	30.50	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	101.67%	
35) 1,2-Dichloroethane-d4	4.389	102	11356	31.38	ug/l	0.00
Spiked Amount 30.000			Recovery	=	104.60%	
59) Toluene-d8	5.572	100	146535	32.89	ug/l	0.00
Spiked Amount 30.000			Recovery	=	109.63%	
67) Bromofluorobenzene	7.139	174	53806m	16.53	ug/l	0.00
Spiked Amount 30.000			Recovery	=	55.10%	
Target Compounds						Qvalue
18) Carbon Disulfide	2.645	76	88717	12.68	ug/l	100
86) sec-Butylbenzene	7.730	105	108770	7.13	ug/l	66
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.606		598696	30.00	ug/l	--
2) Chlorobenzene-d5	6.439		617254m	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.858		666706m	30.00	ug/l	--
Library Search Compounds						
1) 5911-04-6	6.850		6486771	315.27	ug/l	93
2) 14676-29-0	6.940		7557233	367.30	ug/l	53
3) UNKNOWN	7.330		7679315	345.55	ug/l	--
4) UNKNOWN	7.390		13315977	599.18	ug/l	--
5) UNKNOWN	7.480		7331206	329.88	ug/l	--
6) UNKNOWN	7.580		6901127	310.53	ug/l	--
7) UNKNOWN	7.680		7054202	317.42	ug/l	--
8) 61177-16-0	7.760		14917804	671.26	ug/l	64
9) UNKNOWN	7.980		14142192	636.36	ug/l	--
10) 176-63-6	8.110		14965124	673.39	ug/l	68
11) 61142-70-9	8.210		9945502	447.52	ug/l	50
12) UNKNOWN	8.290		11273074	507.26	ug/l	--
13) UNKNOWN	8.390		7032037	316.42	ug/l	--

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

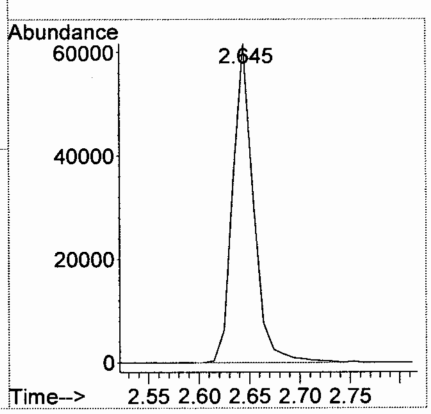
lw

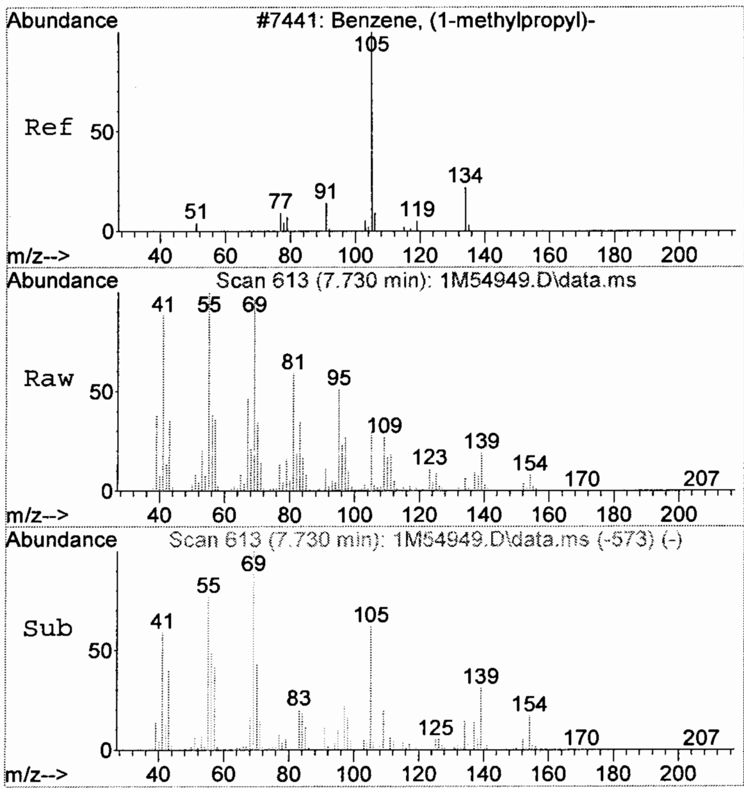

Abundance
TIC: 1M54949.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-003(5X)
Data File: 1M54949.D
Acq On : 03/10/10 13:58
Operator : WP
Sam Mult : 1 Vial# : 67
Misc : S,5G!5
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 14:14
Qt Upd On: 02/23/10 14:14
Carbon Disulfide,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->
Abundance
TIC: 1M54949.D\data.ms
Toluene-d8,S
Chlorobenzene-d5,I
TIC-1-(5911-04-6)
TIC-2-(14676-29-0)
Bromofluorobenzene,S
TIC-3-(UNKNOWN)
TIC-4-(UNKNOWN)
TIC-5-(UNKNOWN)
TIC-6-(UNKNOWN)
TIC-7-(UNKNOWN)
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
TIC-9-(UNKNOWN)
TIC-11-(61142-70-9)
TIC-12-(UNKNOWN)
TIC-13-(UNKNOWN)
Time-->



#18
Carbon Disulfide
Concen: 12.68 ug/l
RT: 2.645 min Scan# 97
Delta R.T. -0.009 min
Lab File: 1M54949.D
Acq: 10 Mar 2010 13:58

Tgt Ion: 76 Resp: 88717

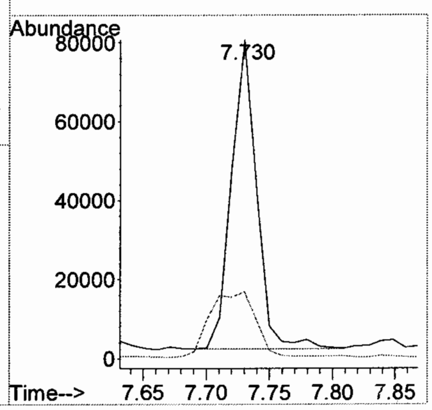




#86
sec-Butylbenzene
Concen: 7.13 ug/l
RT: 7.730 min Scan# 613
Delta R.T. -0.009 min
Lab File: 1M54949.D
Acq: 10 Mar 2010 13:58

Tgt Ion:105 Resp: 108770

Ion	Ratio	Lower	Upper
105	100		
134	37.9	0.0	61.8



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54949.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.314	5	6	7	rBV	18030	23268	0.16%	0.009%
2	1.348	7	8	13	rVB	17008	49991	0.33%	0.019%
3	2.487	78	81	85	rVB2	10962	19065	0.13%	0.007%
4	2.645	94	97	104	rVB	86219	120382	0.80%	0.046%
5	2.822	112	115	120	rBV5	20111	55877	0.37%	0.021%
6	3.039	130	137	143	rBV	19098	35146	0.23%	0.013%
7	3.256	155	159	163	rVB3	8360	13104	0.09%	0.005%
8	3.689	199	203	207	rBV2	14272	28910	0.19%	0.011%
9	3.768	207	211	214	rVV	12593	23619	0.16%	0.009%
10	3.827	214	217	219	rVV	23884	47512	0.32%	0.018%
11	3.867	219	221	229	rVB	50049	74861	0.50%	0.028%
12	4.093	237	244	247	rBV3	16277	35699	0.24%	0.014%
13	4.162	247	251	257	rVV	127213	219094	1.46%	0.083%
14	4.251	257	260	264	rVB2	53164	109226	0.73%	0.041%
15	4.320	264	267	269	rBV	13700	17126	0.11%	0.006%
16	4.389	269	274	277	rBV2	139345	260931	1.74%	0.099%
17	4.488	280	284	288	rBV4	20151	53475	0.36%	0.020%
18	4.547	288	290	293	rVB2	22692	28063	0.19%	0.011%
19	4.606	293	296	299	rBV	452853	597571	3.99%	0.226%
20	4.695	301	305	309	rBV4	24652	66412	0.44%	0.025%
21	4.823	315	318	319	rBV	9990	14658	0.10%	0.006%
22	4.852	319	321	326	rVB2	12738	19352	0.13%	0.007%
23	4.941	326	330	333	rBV2	109085	234979	1.57%	0.089%
24	4.980	333	334	337	rVB	76848	96296	0.64%	0.036%
25	5.039	337	340	342	rBV	25164	37905	0.25%	0.014%
26	5.118	342	348	352	rVB5	39358	104423	0.70%	0.040%
27	5.207	352	357	362	rBV	203849	316244	2.11%	0.120%
28	5.286	362	365	367	rBV	127696	191465	1.28%	0.073%
29	5.325	367	369	372	rVV	103137	149461	1.00%	0.057%
30	5.365	372	373	374	rVV	20794	23253	0.16%	0.009%
31	5.404	374	377	380	rVB	395259	582520	3.89%	0.221%
32	5.483	383	385	390	rVB3	195982	338014	2.26%	0.128%
33	5.572	390	394	397	rBV	575589	907552	6.06%	0.344%
34	5.621	397	399	401	rVB3	42965	51934	0.35%	0.020%
35	5.660	401	403	409	rBV2	443330	824701	5.51%	0.312%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	5.749	409	412	414	rVV	284667	454921	3.04%	0.172%
37	5.779	414	415	417	rVB	110724	96195	0.64%	0.036%
38	5.838	417	421	426	rBV4	524441	1194122	7.98%	0.452%
39	5.897	426	427	428	rVB	98656	58306	0.39%	0.022%
40	5.936	428	431	435	rVB	1112705	1693545	11.32%	0.641%
41	6.015	435	439	440	rBV	510016	744779	4.98%	0.282%
42	6.035	440	441	443	rVV2	247743	339118	2.27%	0.128%
43	6.064	443	444	446	rVV	251630	321783	2.15%	0.122%
44	6.104	446	448	449	rVV2	169384	268415	1.79%	0.102%
45	6.153	449	453	455	rVV	2136274	3390664	22.66%	1.284%
46	6.183	455	456	457	rVV	512590	537139	3.59%	0.203%
47	6.212	457	459	464	rVV3	581097	1124443	7.51%	0.426%
48	6.281	464	466	471	rVB3	671295	1254990	8.39%	0.475%
49	6.370	471	475	476	rBV3	414333	779472	5.21%	0.295%
50	6.390	476	477	478	rVV	326180	378495	2.53%	0.143%
51	6.439	478	482	485	rVV3	756916	1780203	11.90%	0.674%
52	6.518	485	490	492	rVV3	527921	1113947	7.44%	0.422%
53	6.567	492	495	497	rVV2	1753505	3268027	21.84%	1.238%
54	6.616	497	500	503	rVV2	1944814	3455119	23.09%	1.309%
55	6.676	503	506	508	rVV3	926485	1972552	13.18%	0.747%
56	6.725	508	511	513	rVV3	1293650	2676607	17.89%	1.014%
57	6.774	513	516	520	rVV5	1708583	4773625	31.90%	1.808%
58	6.853	520	524	527	rVV3	3295139	6486771	43.35%	2.457%
59	6.942	527	533	536	rVV4	2418932	7557233	50.50%	2.862%
60	7.001	536	539	541	rVV2	2212432	4016155	26.84%	1.521%
61	7.070	541	546	548	rVV4	1449185	5095609	34.05%	1.930%
62	7.099	548	549	551	rVV	1326045	2073667	13.86%	0.785%
63	7.139	551	553	555	rVV	1731248	2947631	19.70%	1.116%
64	7.198	555	559	563	rVV4	1877516	6371723	42.58%	2.413%
65	7.257	563	565	568	rVV2	2675413	4915285	32.84%	1.862%
66	7.326	568	572	575	rVV4	2193038	7679315	51.31%	2.909%
67	7.385	575	578	585	rVV5	3188178	13315977	88.98%	5.043%
68	7.484	585	588	591	rVV3	2831963	7331206	48.99%	2.777%
69	7.543	591	594	595	rVV2	2269652	4735784	31.65%	1.794%
70	7.582	595	598	601	rVV3	2398998	6901127	46.11%	2.614%
71	7.632	601	603	605	rVV	3048415	6046163	40.40%	2.290%
72	7.681	605	608	610	rVV3	3240179	7054202	47.14%	2.672%
73	7.760	610	616	621	rVV6	2777268	14917804	99.68%	5.650%
74	7.829	621	623	625	rVV3	2185843	4567222	30.52%	1.730%
75	7.858	625	626	630	rVV3	1962759	5133158	34.30%	1.944%

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	7.917	630	632	633	rVV2	1683061	2790627	18.65%	1.057%
77	7.977	633	638	645	rVV2	3090689	14142192	94.50%	5.356%
78	8.114	645	652	655	rVV4	3761353	14965124	100.00%	5.668%
79	8.154	655	656	658	rVV2	2225432	3661448	24.47%	1.387%
80	8.213	658	662	665	rVV5	2989765	9945502	66.46%	3.767%
81	8.292	665	670	674	rVV7	2775851	11273074	75.33%	4.270%
82	8.390	674	680	682	rVV4	1771524	7032037	46.99%	2.663%
83	8.430	682	684	687	rVV4	1163646	2888657	19.30%	1.094%
84	8.479	687	689	690	rVV2	800222	1376390	9.20%	0.521%
85	8.519	690	693	696	rVV2	1646536	4089005	27.32%	1.549%
86	8.568	696	698	701	rVV3	1013557	2513055	16.79%	0.952%
87	8.617	701	703	705	rVV3	945518	1955848	13.07%	0.741%
88	8.657	705	707	710	rVV	1415204	3109301	20.78%	1.178%
89	8.706	710	712	715	rVV3	879155	2297067	15.35%	0.870%
90	8.745	715	716	718	rVV	742935	1212696	8.10%	0.459%
91	8.785	718	720	724	rVV4	782213	2370153	15.84%	0.898%
92	8.883	724	730	737	rVV3	1290671	6162661	41.18%	2.334%
93	8.972	737	739	740	rVV	492853	782079	5.23%	0.296%
94	9.011	740	743	747	rVV4	895344	2691562	17.99%	1.019%
95	9.070	747	749	752	rVV3	503403	1209496	8.08%	0.458%
96	9.139	752	756	758	rVV4	573560	1477795	9.87%	0.560%
97	9.169	758	759	761	rVV2	478963	772744	5.16%	0.293%
98	9.228	761	765	768	rVV3	1089453	2619150	17.50%	0.992%
99	9.268	768	769	771	rVV2	340423	568856	3.80%	0.215%
100	9.307	771	773	775	rVV2	398801	711090	4.75%	0.269%
101	9.346	775	777	780	rVV4	298893	802654	5.36%	0.304%
102	9.396	780	782	783	rVV2	297785	509570	3.41%	0.193%
103	9.425	783	785	789	rVV4	382724	835338	5.58%	0.316%
104	9.484	789	791	795	rVB4	175535	365756	2.44%	0.139%
105	9.553	796	798	800	rVV3	332008	694921	4.64%	0.263%
106	9.603	800	803	806	rVV2	938645	1693622	11.32%	0.641%
107	9.672	806	810	815	rVV8	265859	1071311	7.16%	0.406%
108	9.741	815	817	821	rVB3	153630	318974	2.13%	0.121%
109	9.839	825	827	829	rVV3	87534	119774	0.80%	0.045%
110	9.889	829	832	837	rVB5	160700	399093	2.67%	0.151%

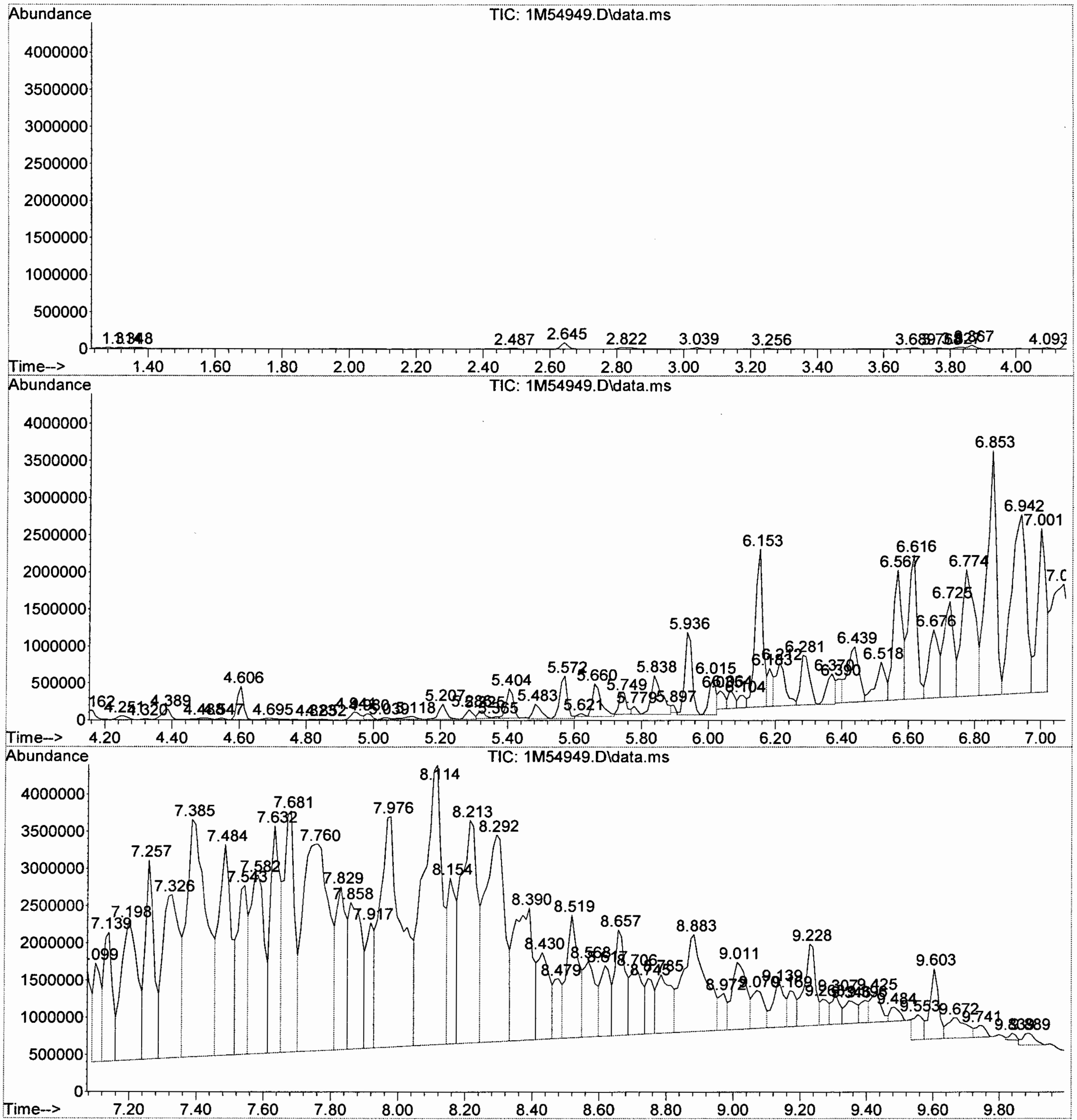
Sum of corrected areas: 264023210

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
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Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

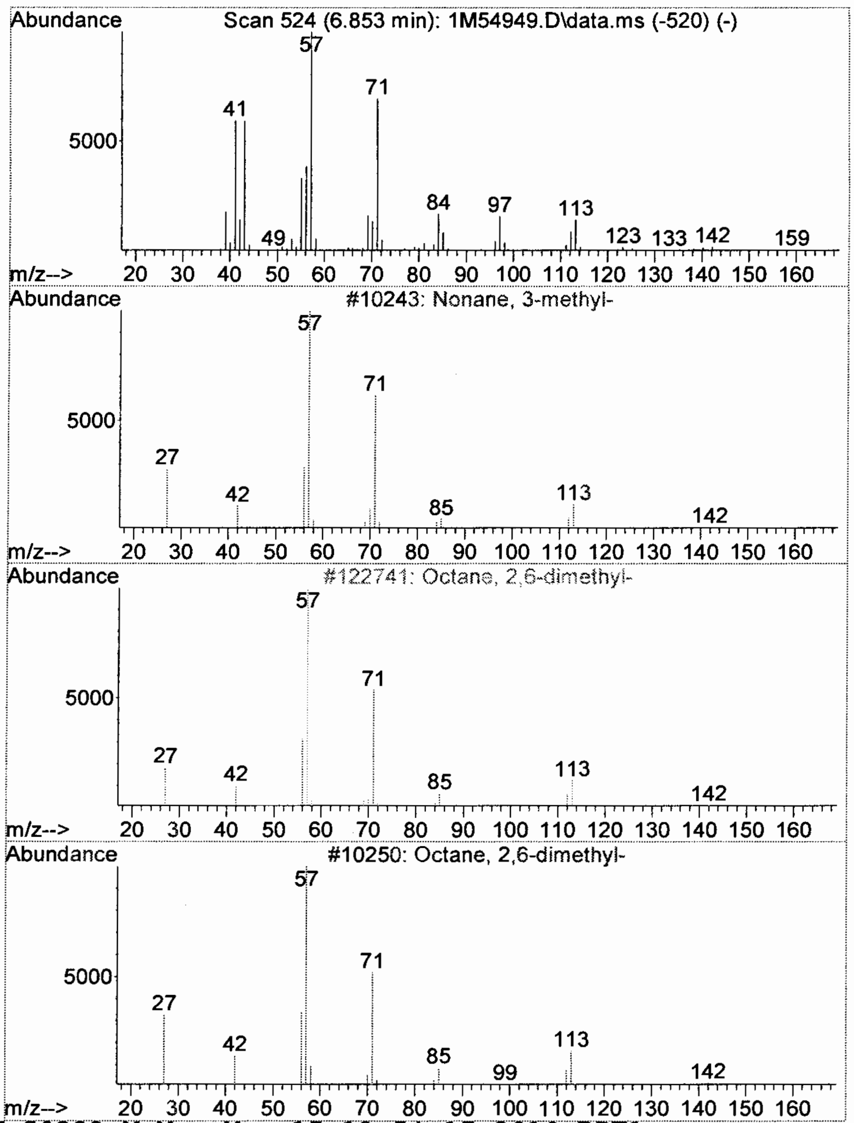
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

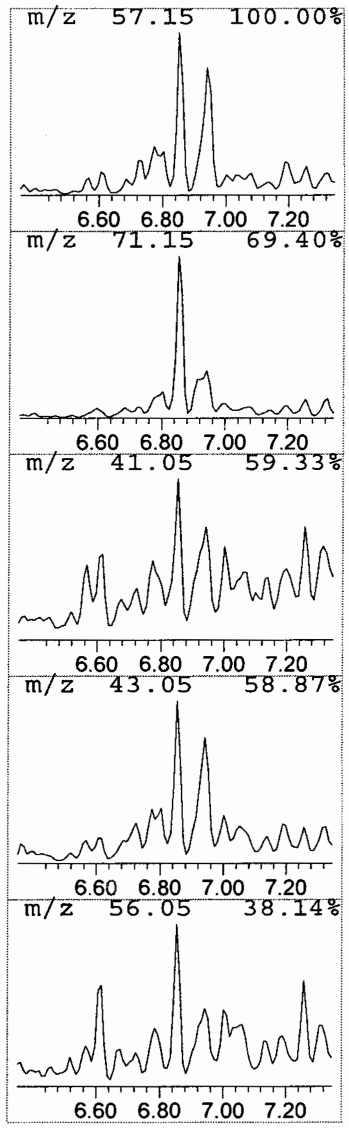
****

Peak Number 1 Nonane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	315.27 ug/l	6486771	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	93
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	59





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

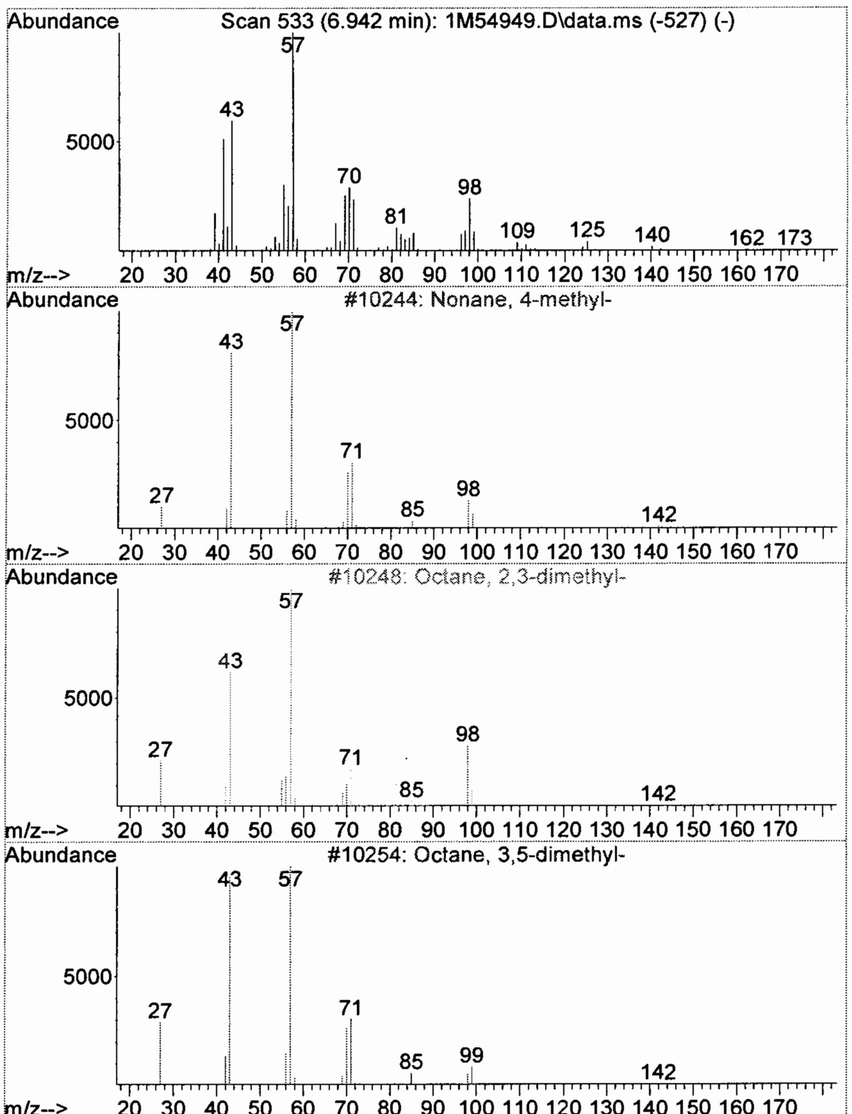
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

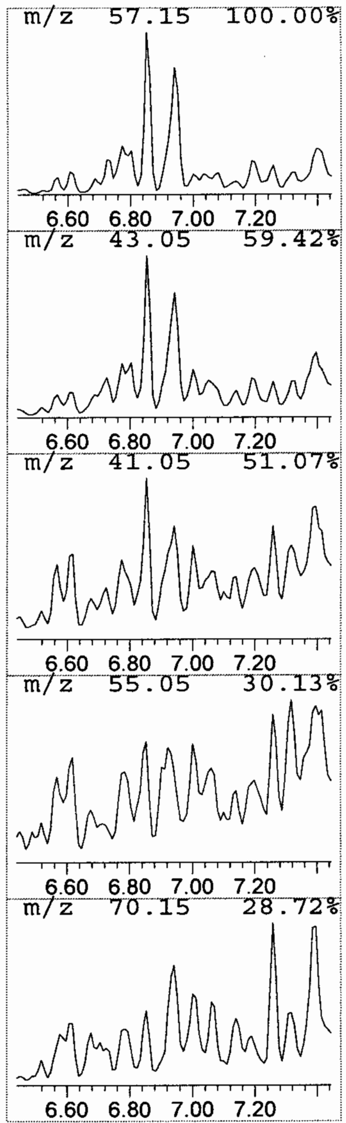
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	367.30 ug/l	7557233	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	27
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	35
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
5	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	35





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On    : 10 Mar 2010  13:58
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!5
ALS Vial  : 67   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

*********************************************************************
Peak Number  3  unknown                      Concentration Rank  8
```
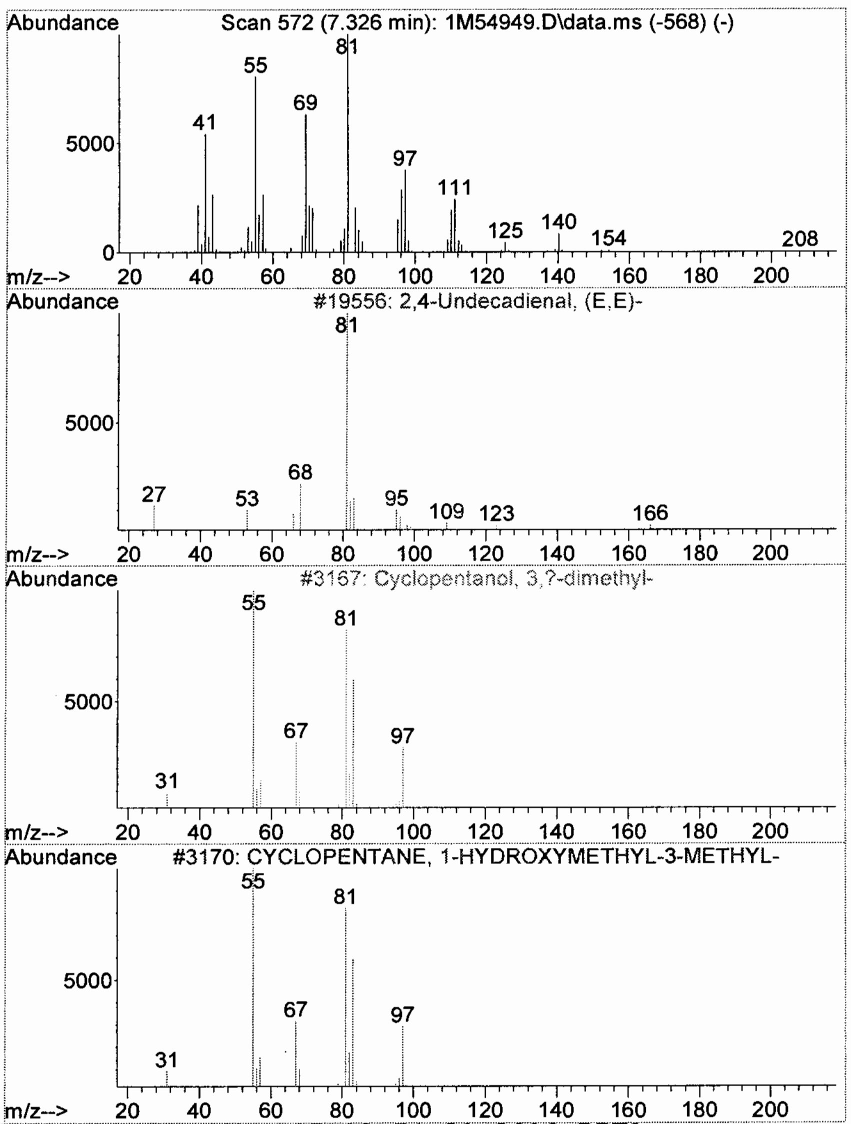
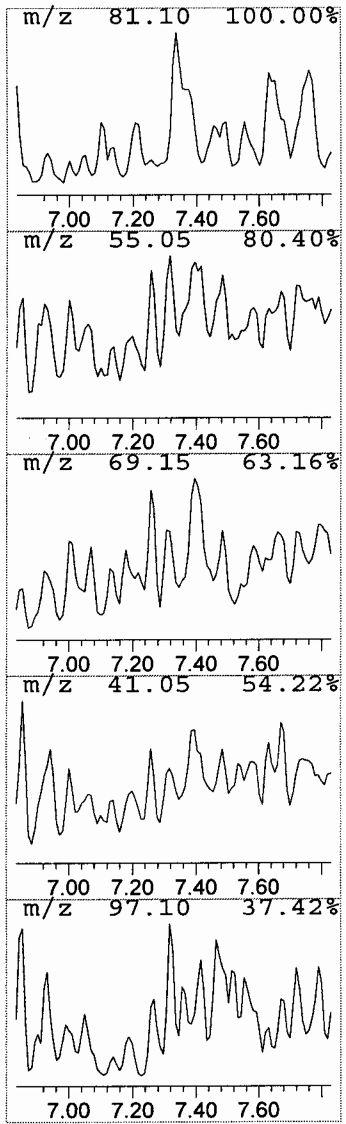

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	345.55 ug/l	7679315	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Undecadienal, (E,E)-	166	C11H18O	030361-29-6	32
2	Cyclopentanol, 3,?-dimethyl-	114	C7H14O	074664-15-6	32
3	CYCLOPENTANE, 1-HYDROXYMETHYL-3-...	114	C7H14O	000000-00-0	32
4	Fenchone	152	C10H16O	001195-79-5	16
5	2-Aziridinone, 1-tert-butyl-3-(1...	223	C14H25NO	026944-18-3	9





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

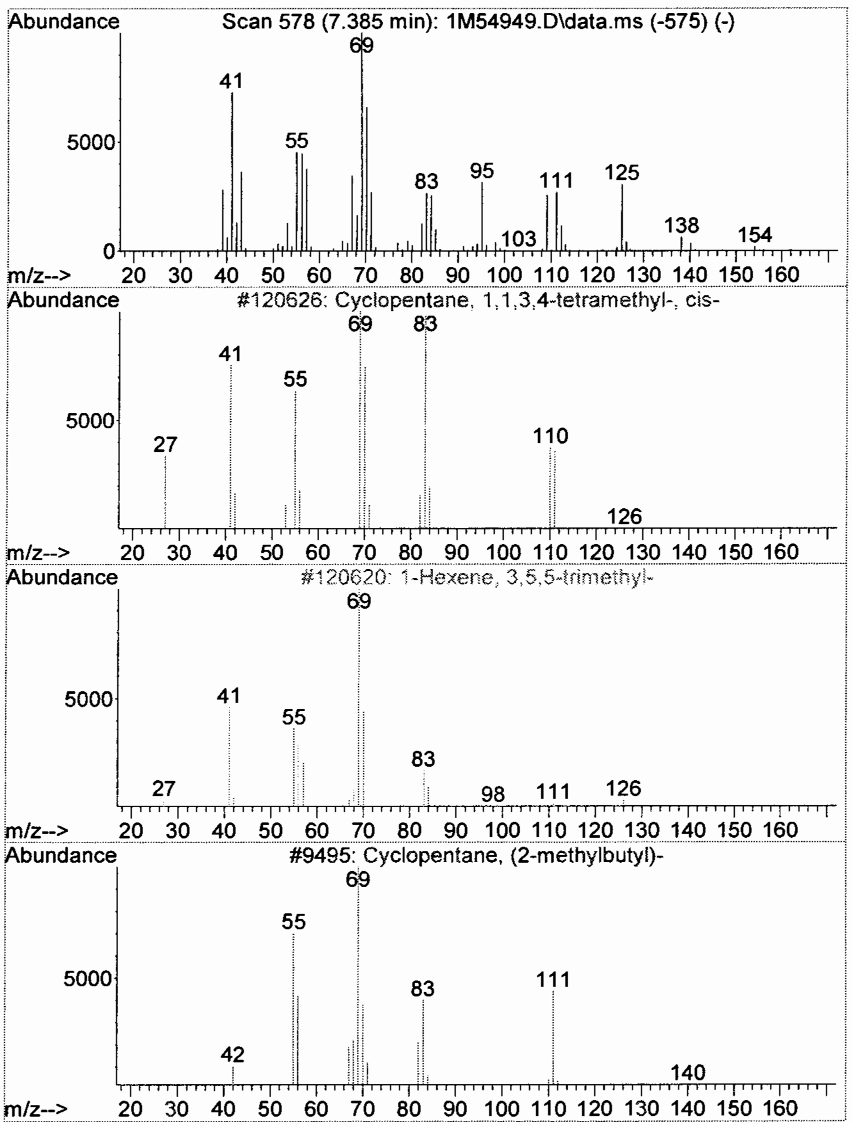
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

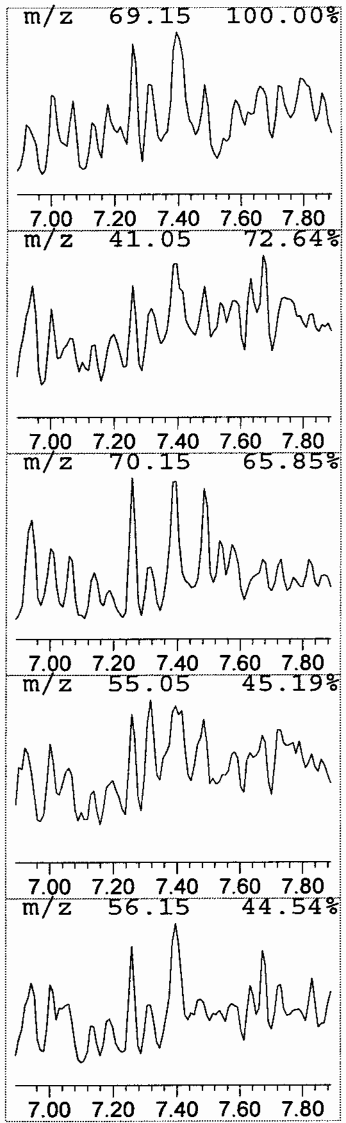
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	599.18 ug/l	13315977	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	37
2	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	43
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	10
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	37
5	CYCLOBUTANE, 1-BUTYL-2-ETHYL-	140	C10H20	000000-00-0	38





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

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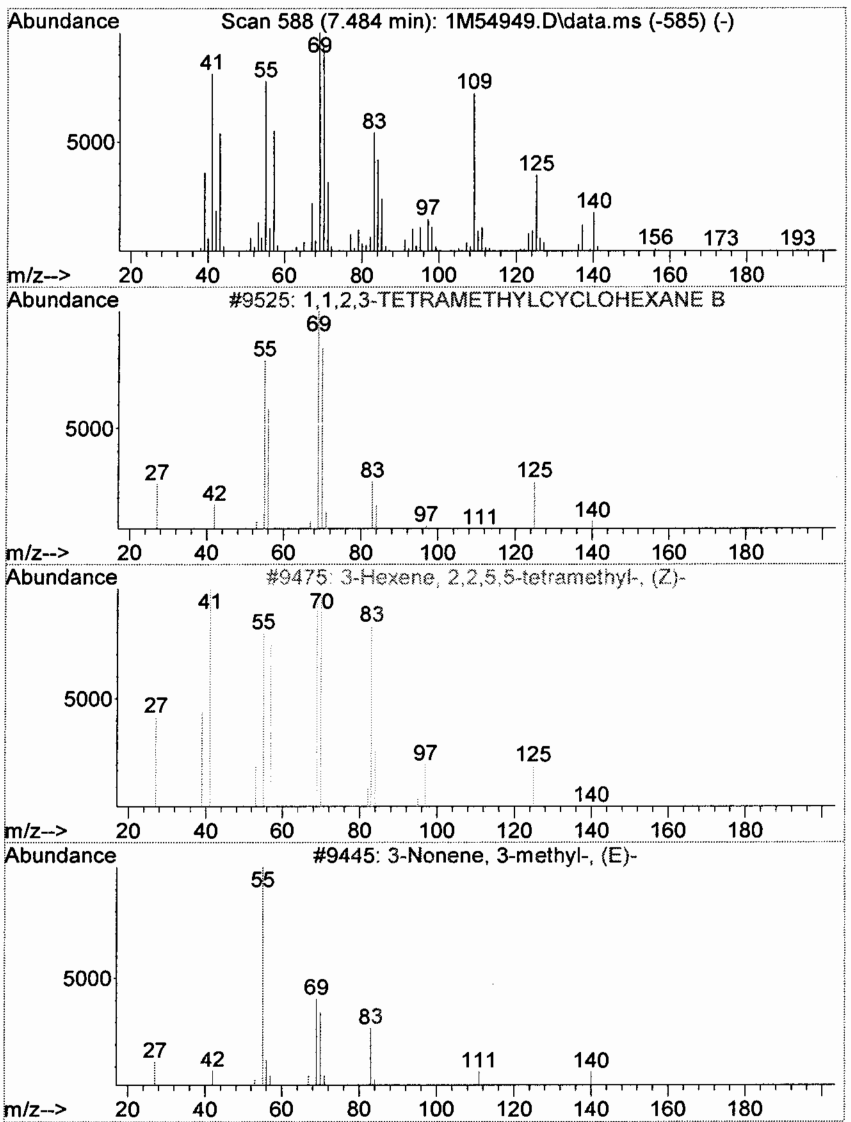
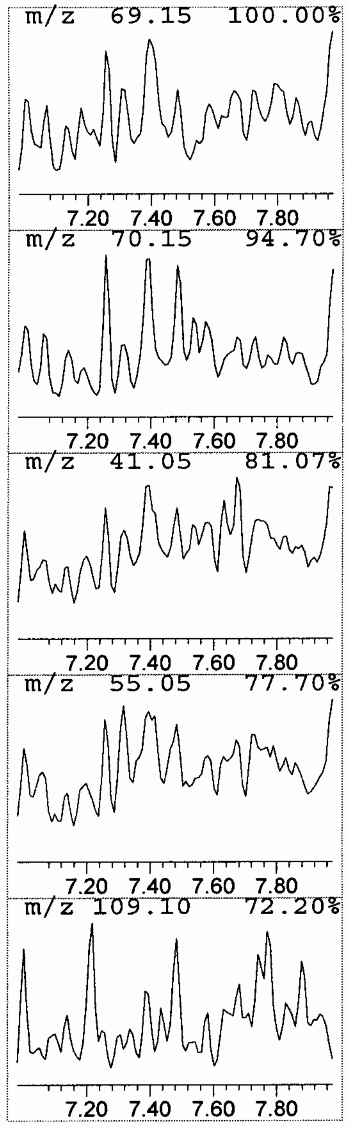
Peak Number 5 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	329.88 ug/l	7331206	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,2,3-TETRAMETHYLCYCLOHEXANE B	140	C10H20	071186-28-2	47
2	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	14
3	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	38
4	1,1,2,3-TETRAMETHYLCYCLOHEXANE	140	C10H20	071186-28-2	43
5	3-DECENE, CIS/TRANS	140	C10H20	019398-37-9	46





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

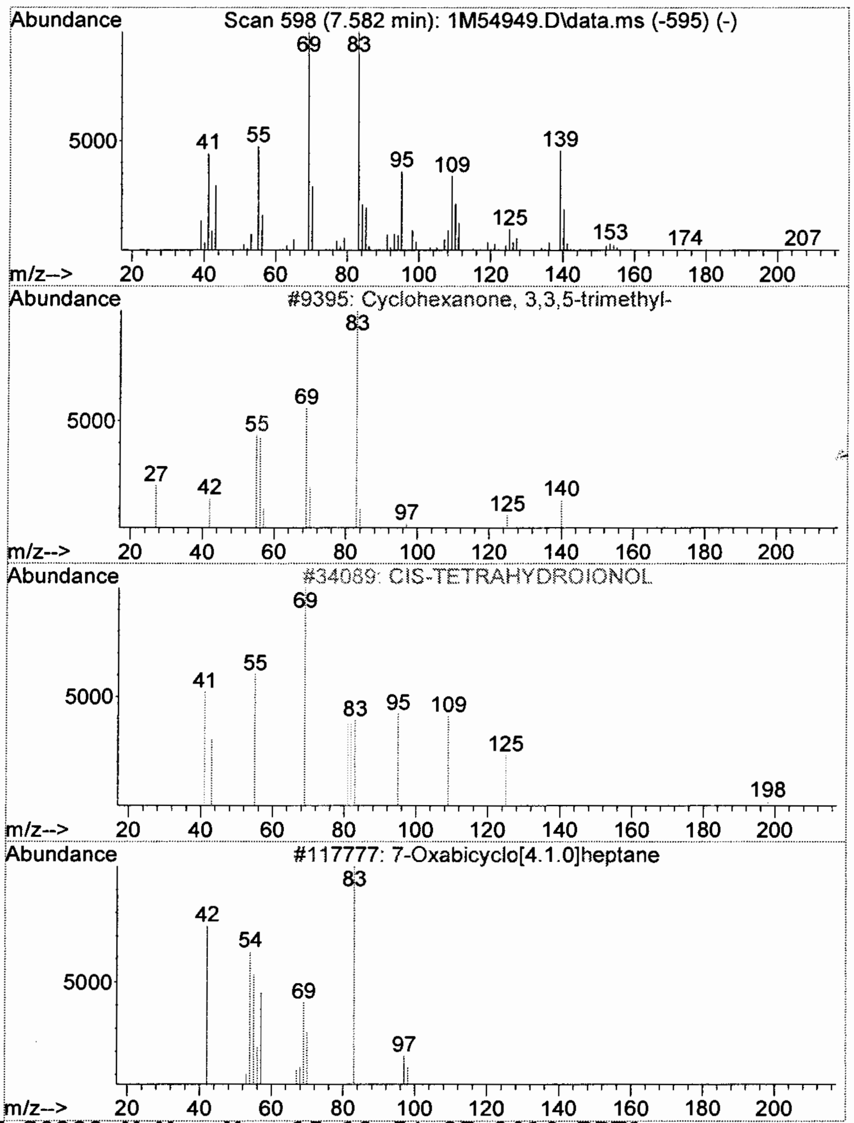
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

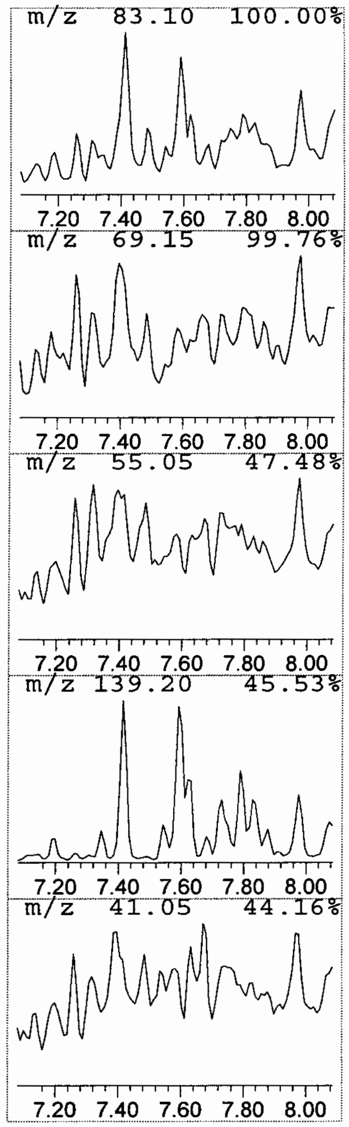
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	310.53 ug/l	6901127	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	12
2	CIS-TETRAHYDROIONOL	198	C13H26O	004361-23-3	16
3	7-Oxabicyclo[4.1.0]heptane	98	C6H10O	000286-20-4	10
4	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	8
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	12





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

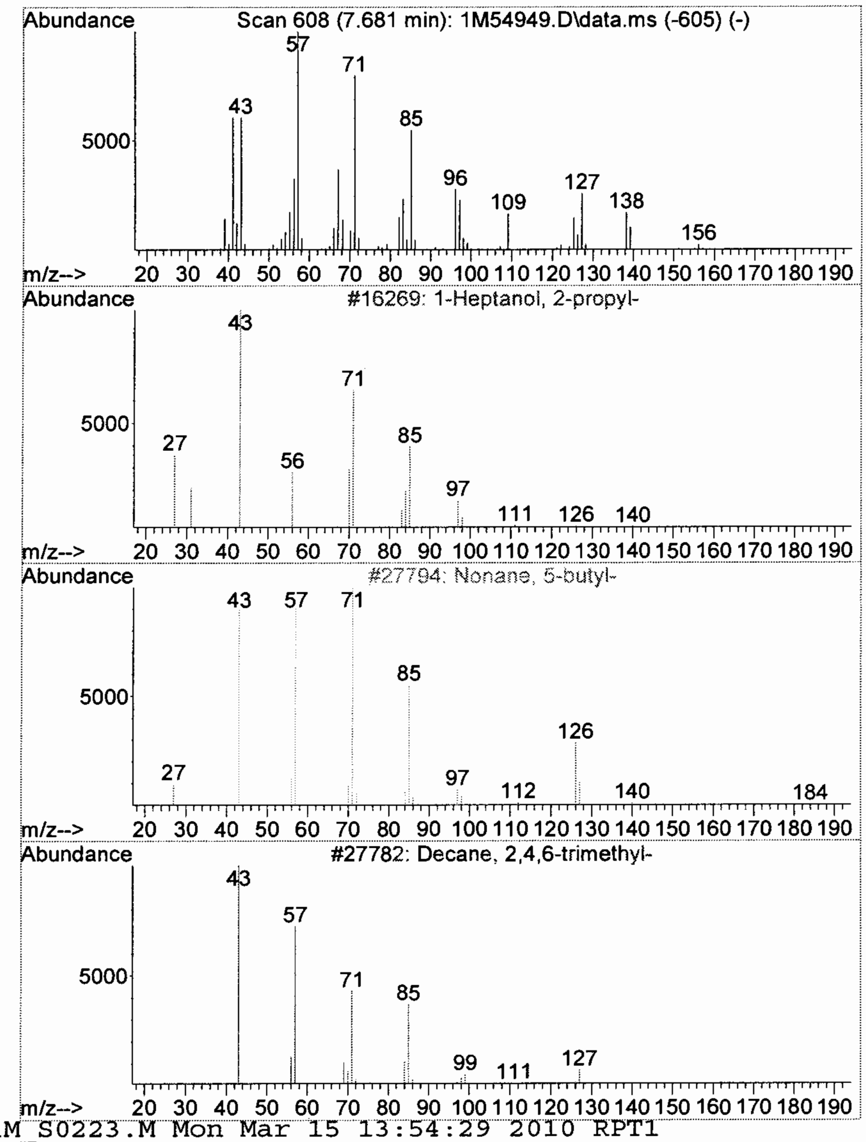
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

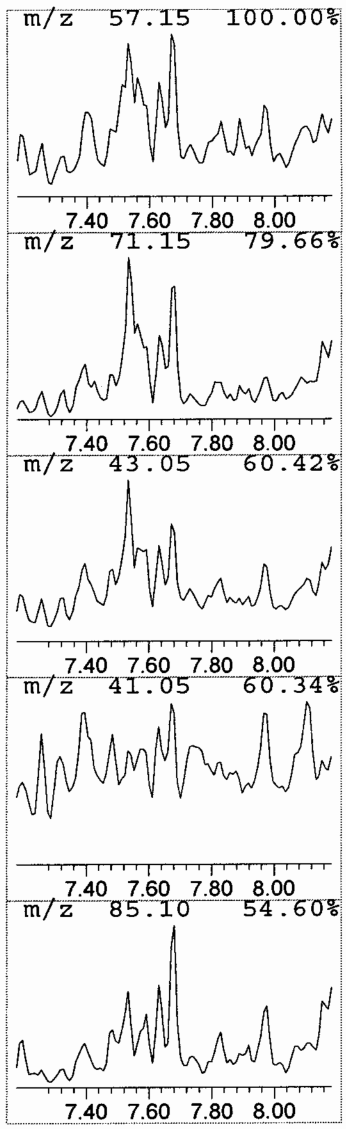
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	317.42 ug/l	7054202	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	38
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	37
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	37
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	35
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	43





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

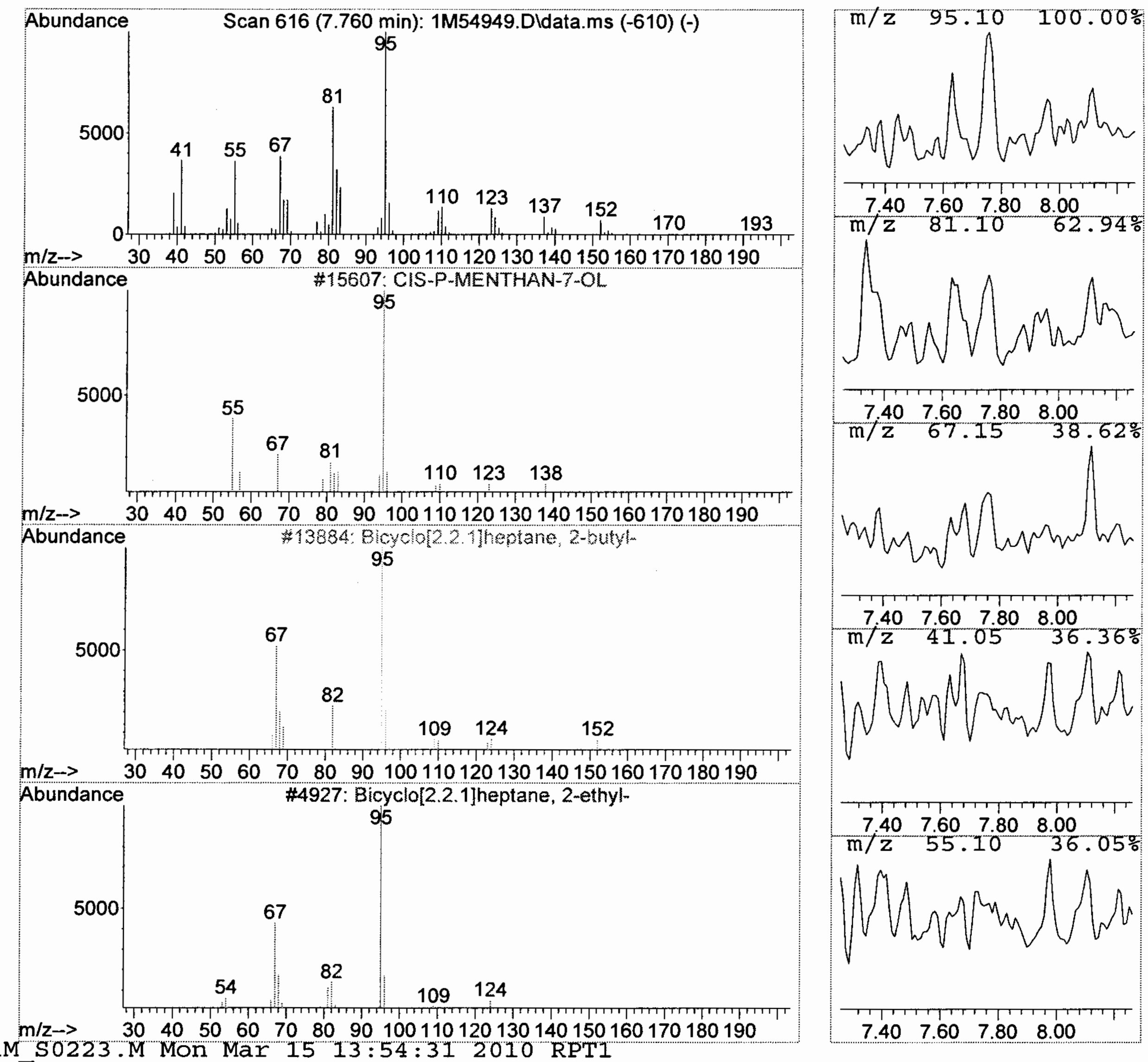
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

****
Peak Number 8 Bicyclo[2.2.1]heptane, 2-bu... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	671.26 ug/l	14917804	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CIS-P-MENTHAN-7-OL	156	C10H20O	013828-37-0	45
2	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	64
3	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	53
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	14
5	Bicyclo[2.2.1]heptane, 2-(1-meth...	152	C11H20	074663-93-7	42



Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On    : 10 Mar 2010  13:58
Operator  : WP
Sample    : AC50199-003(5X)
Misc      : S,5G!5
ALS Vial  : 67   Sample Multiplier: 1

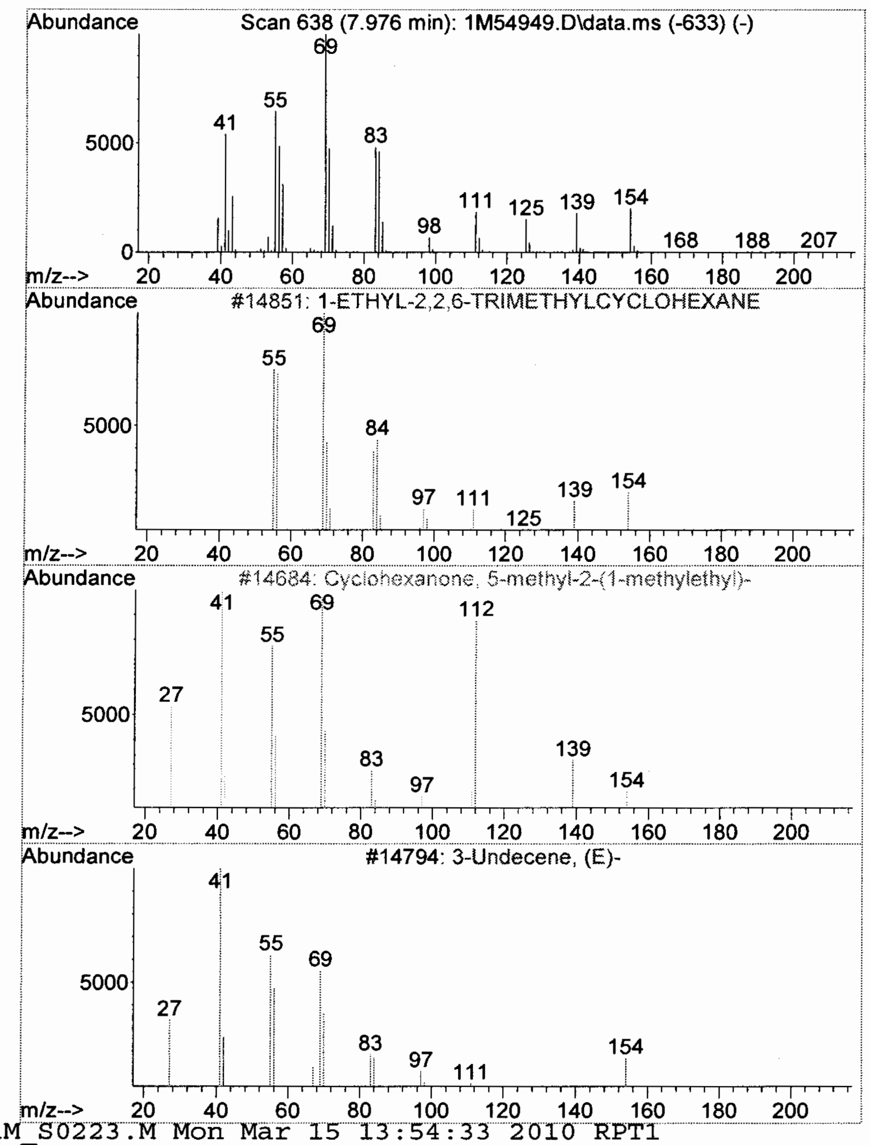
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

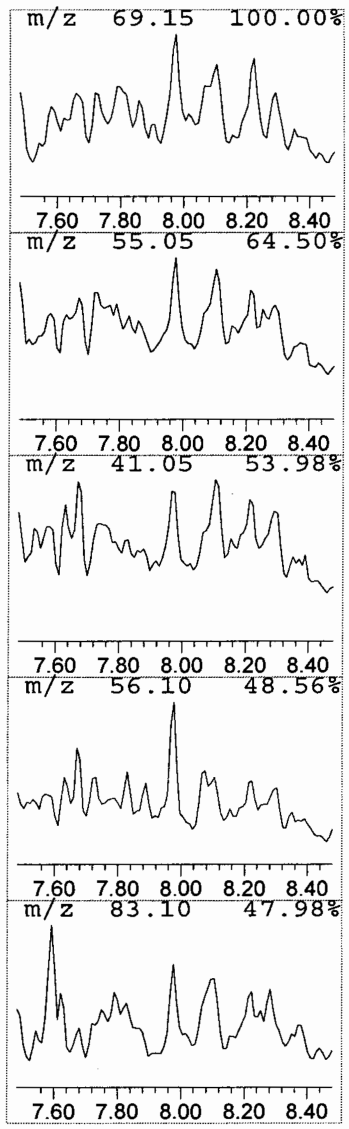
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

********************************************************************
Peak Number  9  unknown                    Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	636.36 ug/l	14142192	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	80
2	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	42
3	3-Undecene, (E)-	154	C11H22	001002-68-2	25
4	Acetic acid, trifluoro-, octyl e...	226	C10H17F3O2	002561-21-9	25
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	16





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

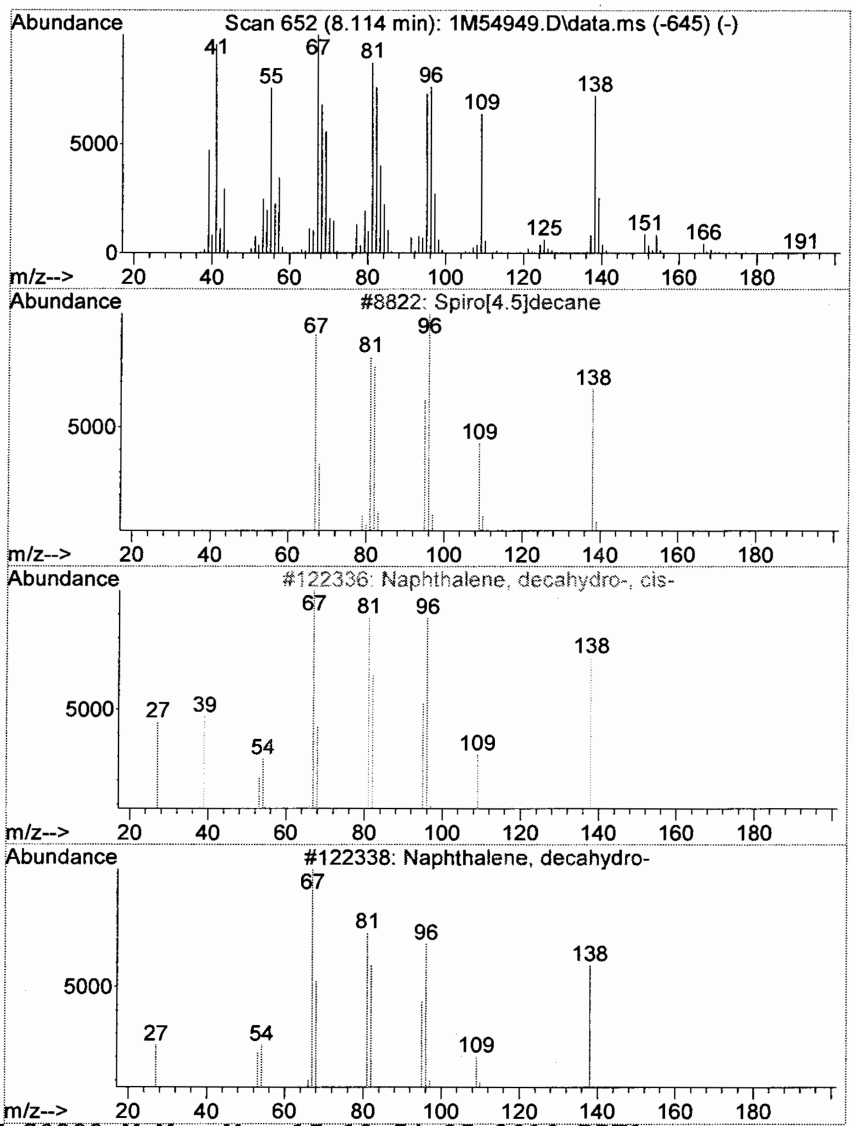
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

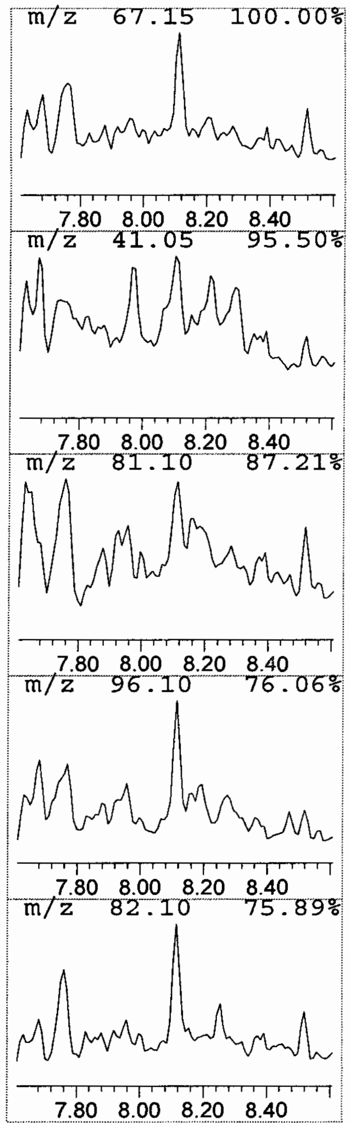
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Spiro[4.5]decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	673.39 ug/l	14965124	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4.5]decane	138	C10H18	000176-63-6	68
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	49





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

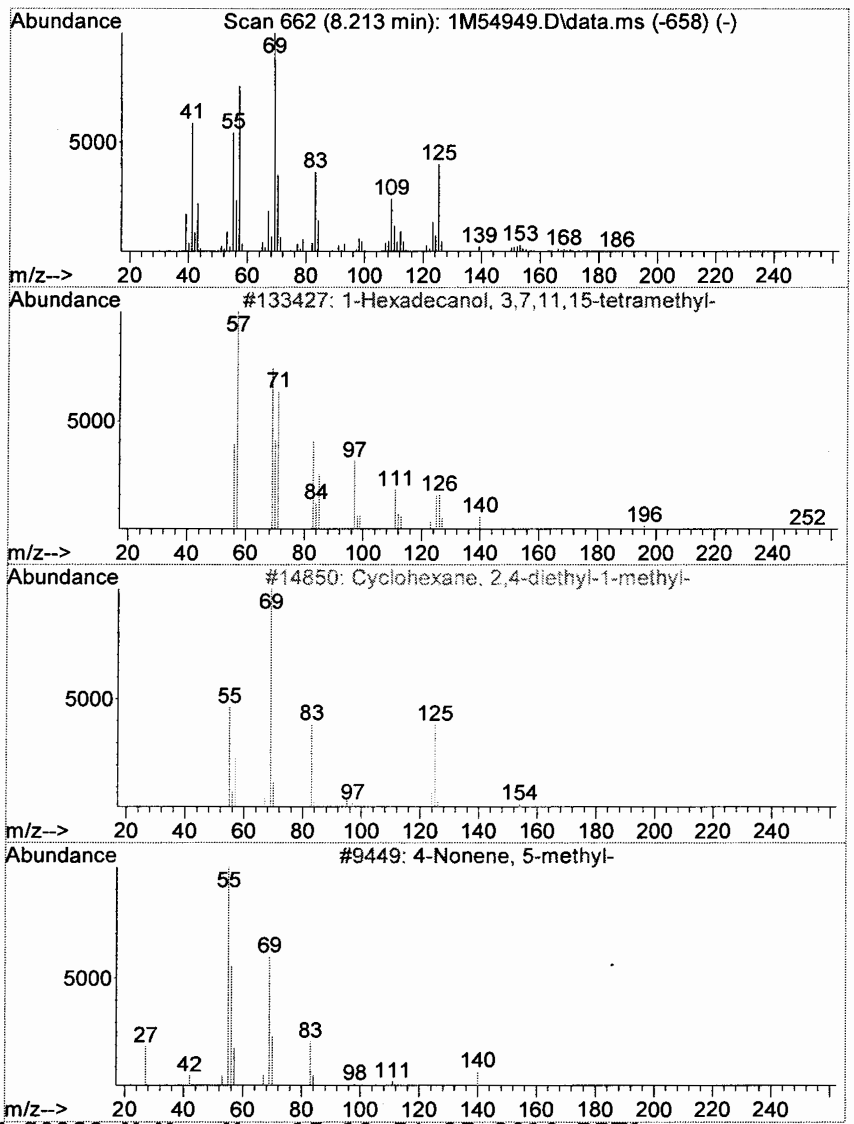
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

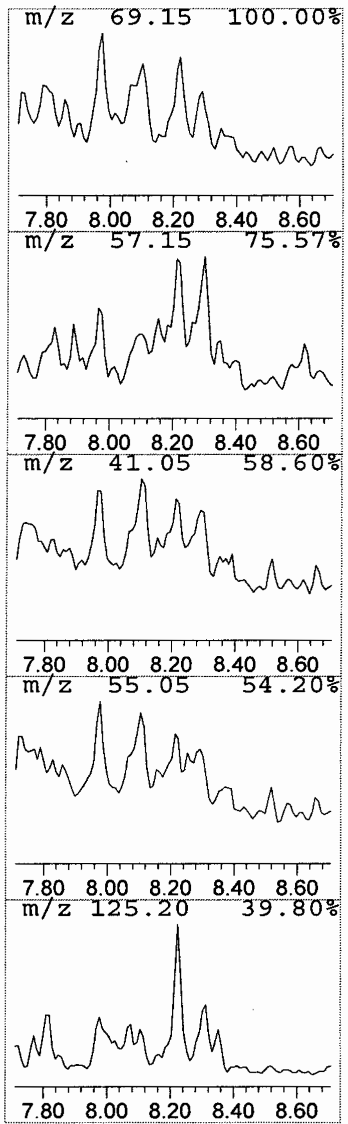
****

Peak Number 11 Cyclohexane, 2,4-diethyl-1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	447.52 ug/l	9945502	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol, 3,7,11,15-tetrame...	298	C20H42O	000645-72-7	16
2	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	50
3	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	37
4	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	40
5	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	46





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

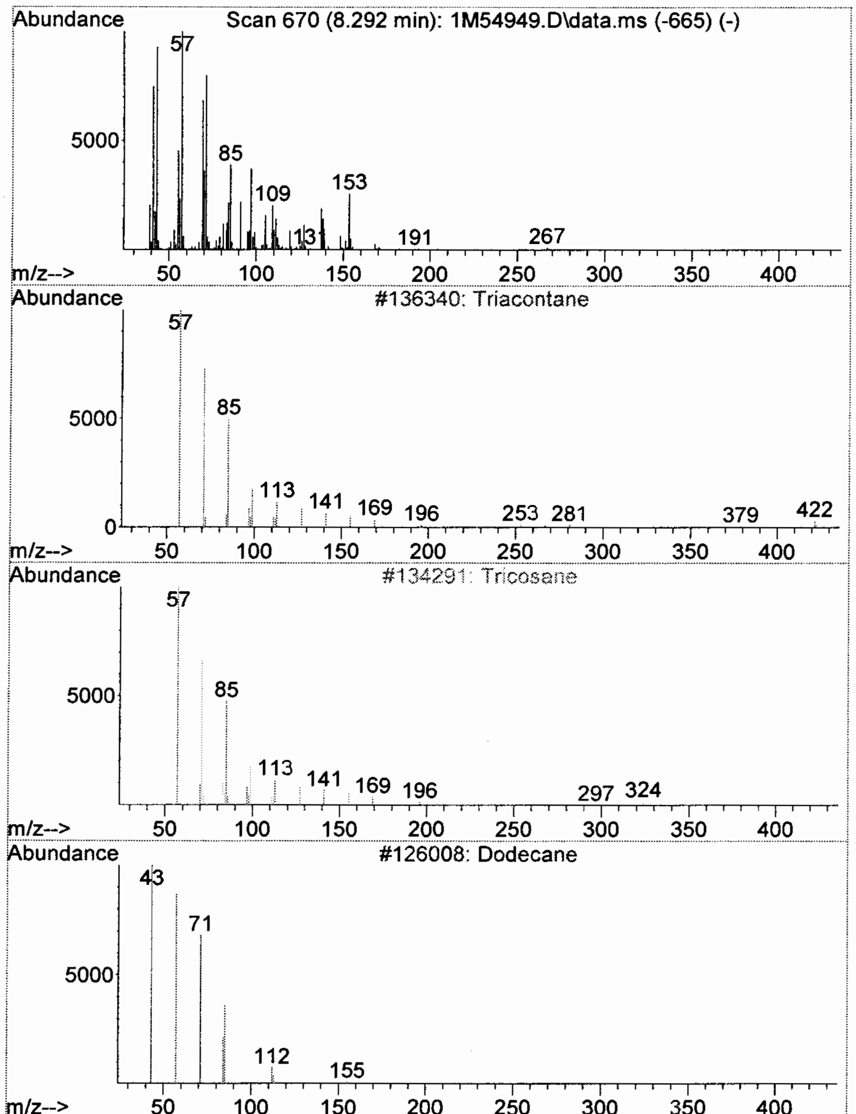
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

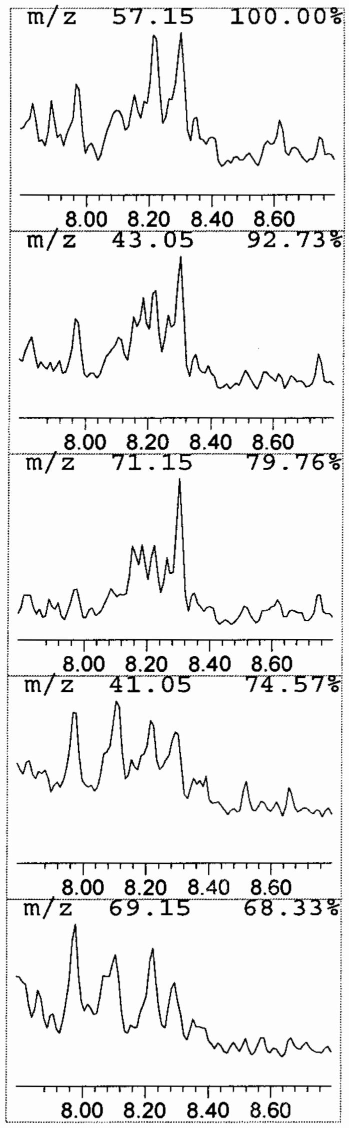
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	507.26 ug/l	11273074	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	47
2	Tricosane	324	C23H48	000638-67-5	47
3	Dodecane	170	C12H26	000112-40-3	46
4	Octadecane, 4-methyl-	268	C19H40	010544-95-3	46
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	46





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

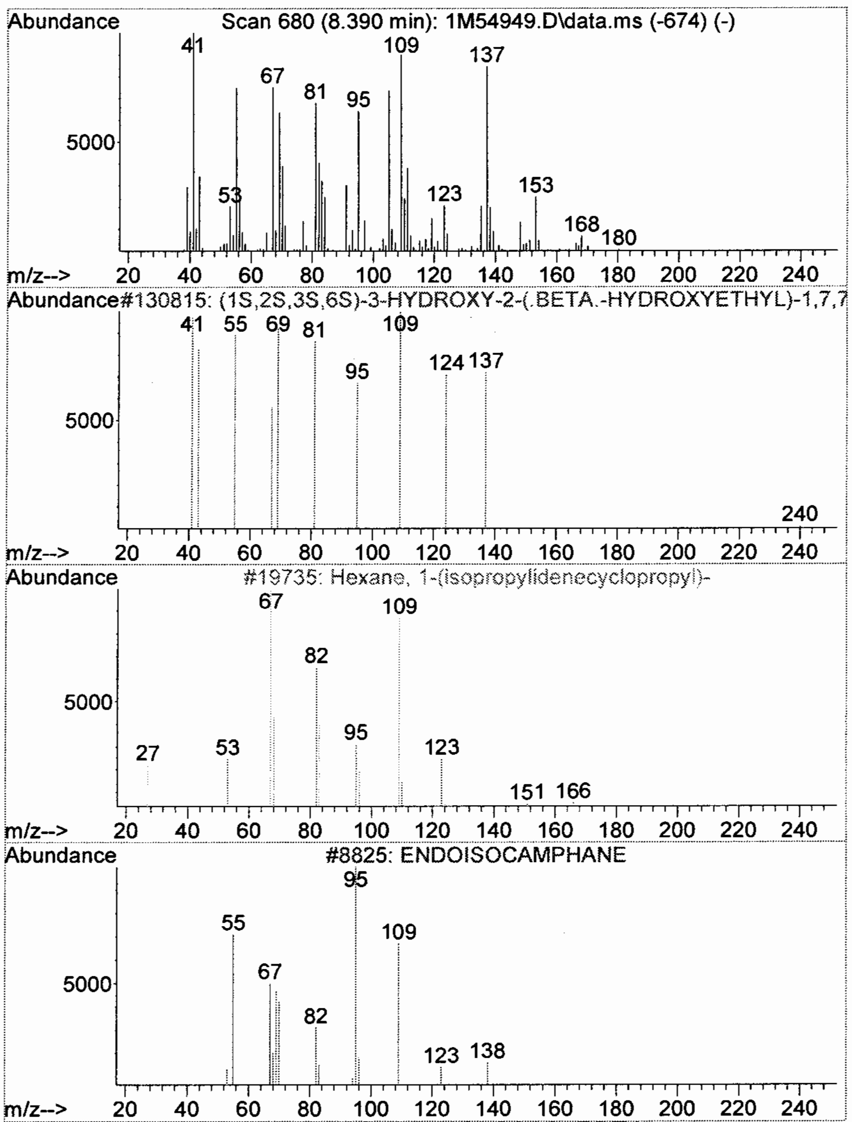
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

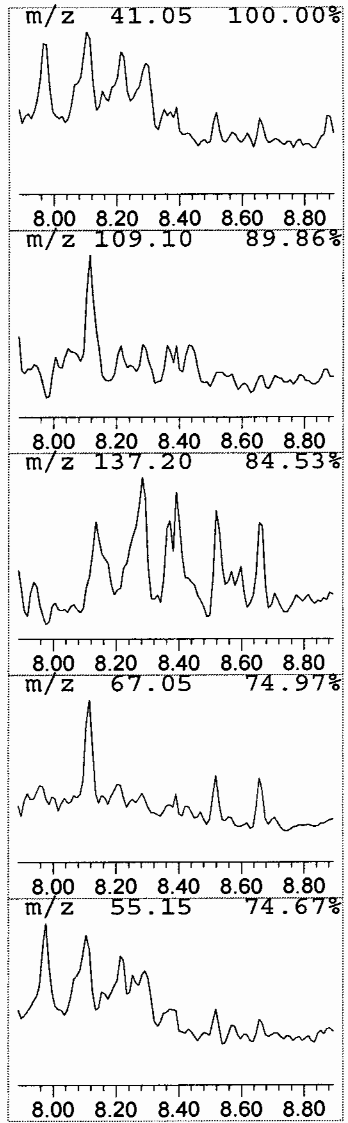
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	316.42 ug/l	7032037	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S,2S,3S,6S)-3-HYDROXY-2-(.BETA...	240	C15H28O2	060113-31-7	32
2	Hexane, 1-(isopropylidenecyclopr...	166	C12H22	024524-53-6	38
3	ENDOISOCAMPHANE	138	C10H18	020536-40-7	43
4	Iridomyrmecin	168	C10H16O2	000485-43-8	46
5	EXOISOCAMPHANE	138	C10H18	020536-41-8	43





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54949.D
Acq On : 10 Mar 2010 13:58
Operator : WP
Sample : AC50199-003(5X)
Misc : S,5G!5
ALS Vial : 67 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard------ #	ExpRT	ActRt	Resp	Conc
Nonane, 3-methyl-	6.85	315.3	ug/l	6486771	2	6.44	6.44	617254	30.0
Heptane, 3-ethyl-...	6.94	367.3	ug/l	7557233	2	6.44	6.44	617254	30.0
unknown	7.33	345.5	ug/l	7679315	3	7.86	7.86	666706	30.0
unknown	7.39	599.2	ug/l	13315977	3	7.86	7.86	666706	30.0
unknown	7.48	329.9	ug/l	7331206	3	7.86	7.86	666706	30.0
unknown	7.58	310.5	ug/l	6901127	3	7.86	7.86	666706	30.0
unknown	7.68	317.4	ug/l	7054202	3	7.86	7.86	666706	30.0
Bicyclo[2.2.1]hep...	7.76	671.3	ug/l	14917804	3	7.86	7.86	666706	30.0
unknown	7.98	636.4	ug/l	14142192	3	7.86	7.86	666706	30.0
Spiro[4.5]decane	8.11	673.4	ug/l	14965124	3	7.86	7.86	666706	30.0
Cyclohexane, 2,4-...	8.21	447.5	ug/l	9945502	3	7.86	7.86	666706	30.0
unknown	8.29	507.3	ug/l	11273074	3	7.86	7.86	666706	30.0
unknown	8.39	316.4	ug/l	7032037	3	7.86	7.86	666706	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-004
Client Id: PI-01-TP-RAU1030510SO1
Data File: 1M54915.D
Analysis Date: 03/09/10 18:46
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.23g
Final Vol: NA
Dilution: 0.956
Solids: 63

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0076	U	56-23-5	Carbon Tetrachloride	0.0076	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0076	U	108-90-7	Chlorobenzene	0.0076	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0076	U	75-00-3	Chloroethane	0.0076	U
79-00-5	1,1,2-Trichloroethane	0.0076	U	67-66-3	Chloroform	0.0076	U
75-34-3	1,1-Dichloroethane	0.0076	U	74-87-3	Chloromethane	0.0076	U
75-35-4	1,1-Dichloroethene	0.0076	U	156-59-2	cis-1,2-Dichloroethene	0.0076	U
96-18-4	1,2,3-Trichloropropane	0.0076	U	10061-01-5	cis-1,3-Dichloropropene	0.0076	U
95-63-6	1,2,4-Trimethylbenzene	0.0015	U	124-48-1	Dibromochloromethane	0.0076	U
95-50-1	1,2-Dichlorobenzene	0.0076	U	75-71-8	Dichlorodifluoromethane	0.0076	U
107-06-2	1,2-Dichloroethane	0.0076	U	100-41-4	Ethylbenzene	0.0015	U
78-87-5	1,2-Dichloropropane	0.0076	U	98-82-8	Isopropylbenzene	0.0015	U
108-67-8	1,3,5-Trimethylbenzene	0.0015	U	136777612	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0076	U	75-09-2	Methylene Chloride	0.0076	U
142-28-9	1,3-Dichloropropane	0.0076	U	1634-04-4	Methyl-t-butyl ether	0.0015	U
106-46-7	1,4-Dichlorobenzene	0.0076	U	104-51-8	n-Butylbenzene	0.0015	U
123-91-1	1,4-Dioxane	0.38	U	103-65-1	n-Propylbenzene	0.0015	U
78-93-3	2-Butanone	0.0076	U	95-47-6	o-Xylene	0.0015	U
110-75-8	2-Chloroethylvinylether	0.0076	U	**135-98-8**	**sec-Butylbenzene**	**0.0015**	**0.0023**
591-78-6	2-Hexanone	0.0076	U	100-42-5	Styrene	0.0076	U
99-87-6	4-Isopropyltoluene	0.0015	U	75-65-0	t-Butyl Alcohol	0.038	U
108-10-1	4-Methyl-2-Pentanone	0.0076	U	98-06-6	t-Butylbenzene	0.0015	U
67-64-1	Acetone	0.038	U	127-18-4	Tetrachloroethene	0.0076	U
107-02-8	Acrolein	0.038	U	108-88-3	Toluene	0.0015	U
107-13-1	Acrylonitrile	0.0076	U	156-60-5	trans-1,2-Dichloroethene	0.0076	U
71-43-2	Benzene	0.0015	U	10061-02-6	trans-1,3-Dichloropropene	0.0076	U
75-27-4	Bromodichloromethane	0.0076	U	79-01-6	Trichloroethene	0.0076	U
75-25-2	Bromoform	0.0076	U	75-69-4	Trichlorofluoromethane	0.0076	U
74-83-9	Bromomethane	0.0076	U	75-01-4	Vinyl Chloride	0.0076	U
75-15-0	**Carbon Disulfide**	**0.0076**	**0.011**	1330-20-7	Xylenes (Total)	0.0015	U

Worksheet #: 145101 ***Total Target Concentration*** 0.013 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: AC50199-004
Client Id: PI-01-TP-RAU1030510
Data File: 1M54915.D
Analysis Date: 03/09/10 18:46
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.23g
Final Vol: NA
Dilution: 0.956
Solids: 63
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	0.052 J
2	61177-16-0	Bicyclo[2.2.1]heptane, 2-butyl-	7.77	0.056 J
3	150-84-5	Citronellyl acetate	8.11	0.095 J
4		unknown	8.30	0.077 J
5		unknown	8.43	0.094 J
6	2958-76-1	Naphthalene, decahydro-2-methyl-	8.52	0.099 J
7	17301-28-9	Undecane, 3,6-dimethyl-	8.88	0.076 J
8		unknown	9.03	0.056 J
9		unknown	9.14	0.055 J
10		unknown	9.60	0.054 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 0.71

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 : AC50199-004
Data File: 1M54915.D
Acq On : 03/ 9/10 18:46

Operator : WP
Sam Mult : 1 Vial# : 61
Misc : S,5G!4

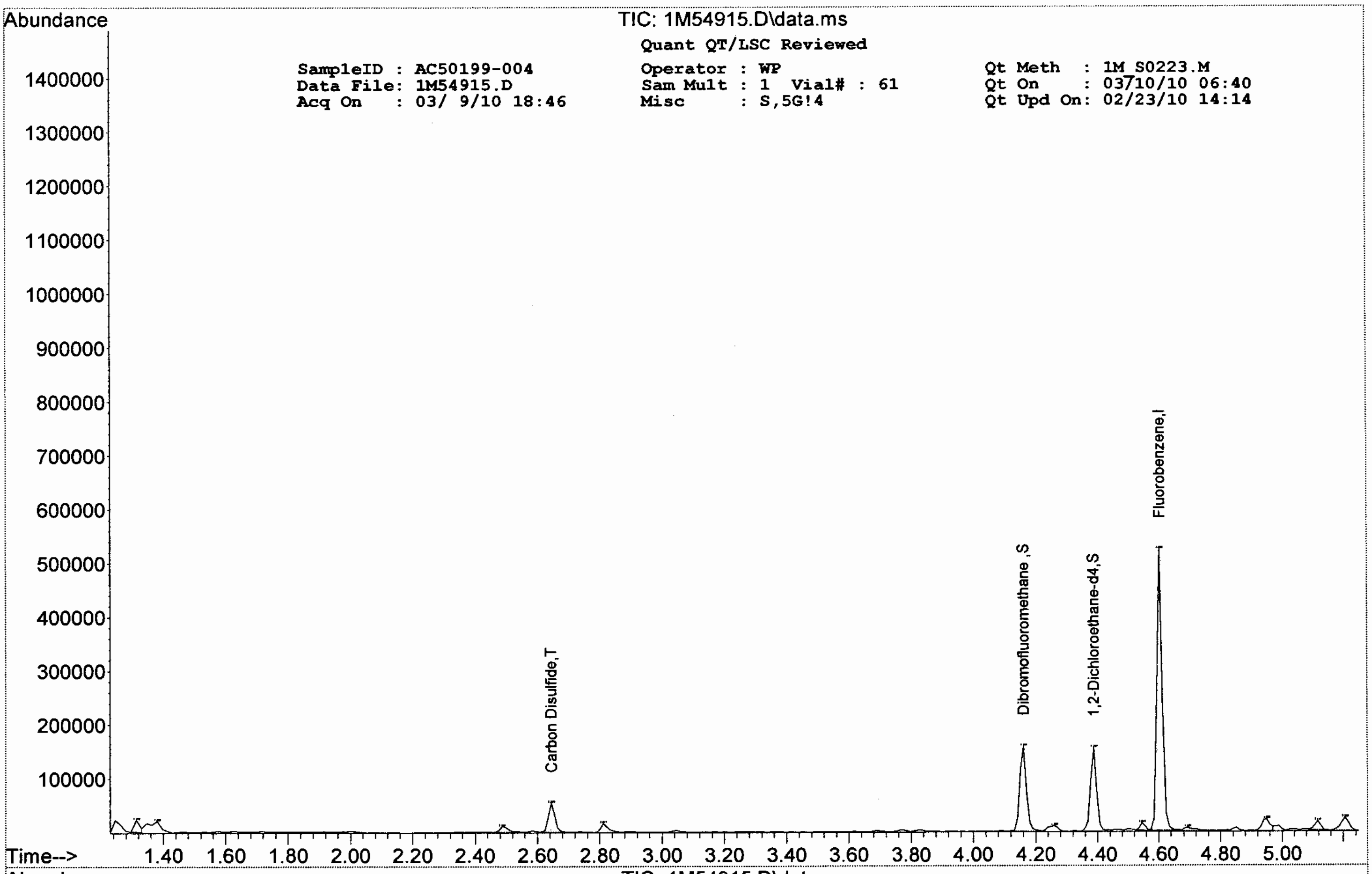
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 06:40
Qt Upd On: 02/23/10 14:14

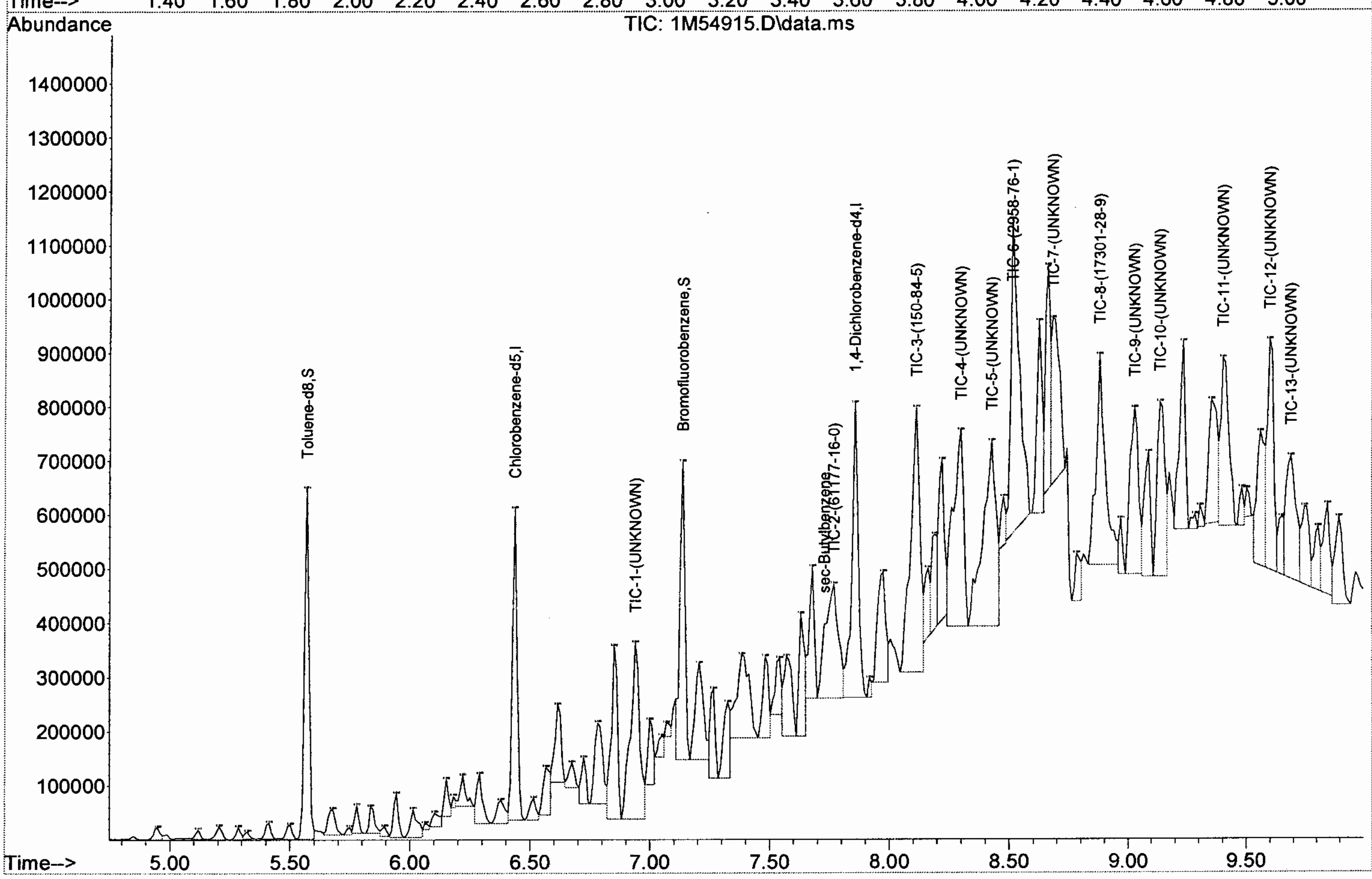
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

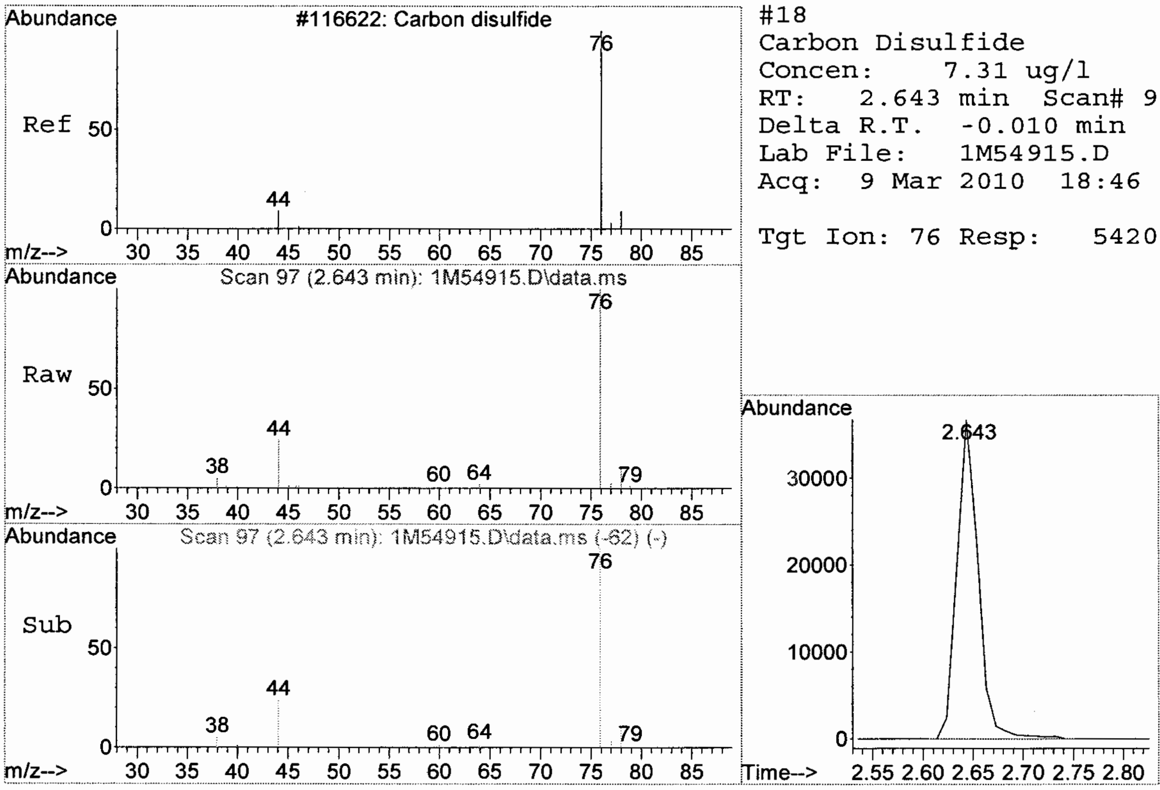
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	235031	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.438	117	211530	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	123971	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	66249	31.30	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	104.33%	
35) 1,2-Dichloroethane-d4	4.388	102	12571	32.76	ug/l	0.00
Spiked Amount 30.000			Recovery	=	109.20%	
59) Toluene-d8	5.571	100	173495	27.32	ug/l	0.00
Spiked Amount 30.000			Recovery	=	91.07%	
67) Bromofluorobenzene	7.138	174	107361	29.21	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	97.37%	
Target Compounds						Qvalue
18) Carbon Disulfide	2.643	76	54203	7.31	ug/l	100
86) sec-Butylbenzene	7.729	105	25590	1.49	ug/l	85
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.605		619843	30.00	ug/l	--
2) Chlorobenzene-d5	6.438		784253	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.857		646577m	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.940		892674	34.15	ug/l	--
2) 61177-16-0	7.770		802297	37.23	ug/l	49
3) 150-84-5	8.110		1350432	62.66	ug/l	49
4) UNKNOWN	8.300		1098203	50.95	ug/l	--
5) UNKNOWN	8.430		1337832	62.07	ug/l	--
6) 2958-76-1	8.520		1409836	65.41	ug/l	94
7) UNKNOWN	8.680		657146	30.49	ug/l	--
8) 17301-28-9	8.880		1078388	50.04	ug/l	81
9) UNKNOWN	9.030		801324	37.18	ug/l	--
10) UNKNOWN	9.140		786292	36.48	ug/l	--
11) UNKNOWN	9.400		722889	33.54	ug/l	--
12) UNKNOWN	9.600		773555	35.89	ug/l	--
13) UNKNOWN	9.690		683137	31.70	ug/l	--

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

lle

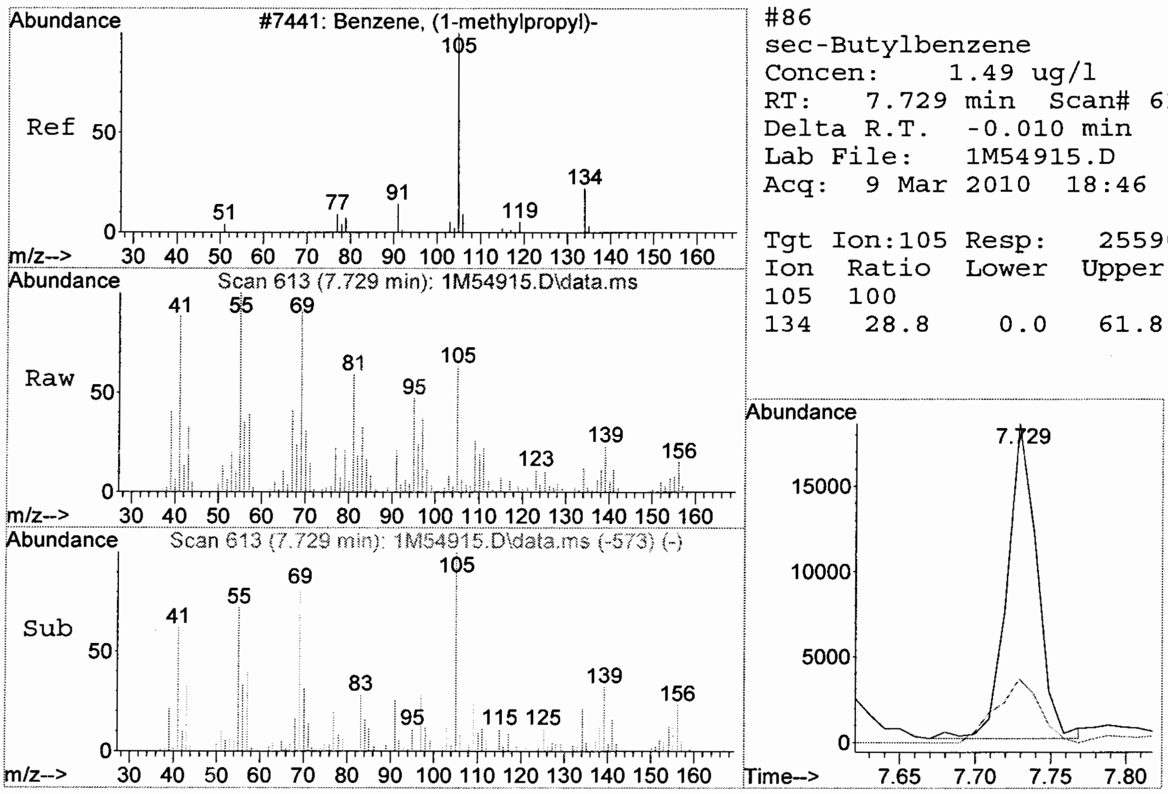

Abundance
TIC: 1M54915.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-004
Data File: 1M54915.D
Acq On : 03/ 9/10 18:46
Operator : WP
Sam Mult : 1 Vial# : 61
Misc : S,5G!4
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 06:40
Qt Upd On: 02/23/10 14:14
Carbon Disulfide,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 1M54915.D\data.ms
Toluene-d8,S
Chlorobenzene-d5,I
TIC-1-(UNKNOWN)
Bromofluorobenzene,S
sec-Butylbenzene
TIC-2-(61177-16-0)
1,4-Dichlorobenzene-d4,I
TIC-3-(150-84-5)
TIC-4-(UNKNOWN)
TIC-5-(UNKNOWN)
TIC-6-(2958-76-1)
TIC-7-(UNKNOWN)
TIC-8-(17301-28-9)
TIC-9-(UNKNOWN)
TIC-10-(UNKNOWN)
TIC-11-(UNKNOWN)
TIC-12-(UNKNOWN)
TIC-13-(UNKNOWN)
Time-->



#18
Carbon Disulfide
Concen: 7.31 ug/l
RT: 2.643 min Scan# 97
Delta R.T. -0.010 min
Lab File: 1M54915.D
Acq: 9 Mar 2010 18:46

Tgt Ion: 76 Resp: 54203



#86
sec-Butylbenzene
Concen: 1.49 ug/l
RT: 7.729 min Scan# 613
Delta R.T. -0.010 min
Lab File: 1M54915.D
Acq: 9 Mar 2010 18:46

Tgt Ion:105 Resp: 25590

Ion	Ratio	Lower	Upper
105	100		
134	28.8	0.0	61.8

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54915.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.313	5	6	7	rBV	21657	29057	2.06%	0.096%
2	1.380	7	10	13	rVB3	21243	62280	4.42%	0.205%
3	2.486	78	81	89	rVB	9844	21173	1.50%	0.070%
4	2.643	94	97	102	rVB	53057	75403	5.35%	0.249%
5	2.811	111	114	120	rVB3	16039	26686	1.89%	0.088%
6	4.161	247	251	257	rVV	156791	227681	16.15%	0.751%
7	4.260	257	261	266	rVB4	10288	24136	1.71%	0.080%
8	4.388	270	274	278	rBV	154572	211424	15.00%	0.697%
9	4.546	288	290	293	rBV	13671	16457	1.17%	0.054%
10	4.605	293	296	303	rVV	522382	623074	44.19%	2.055%
11	4.693	303	305	312	rVB2	6151	13125	0.93%	0.043%
12	4.950	327	331	333	rBV2	21599	42589	3.02%	0.140%
13	5.117	345	348	351	rVB2	17182	23109	1.64%	0.076%
14	5.206	352	357	361	rVB4	24171	45448	3.22%	0.150%
15	5.285	361	365	367	rBV3	22383	33114	2.35%	0.109%
16	5.324	367	369	373	rVB	12410	16660	1.18%	0.055%
17	5.413	374	378	381	rVB	29164	46818	3.32%	0.154%
18	5.502	383	387	390	rVB3	25822	45139	3.20%	0.149%
19	5.571	390	394	397	rBV	646907	849856	60.28%	2.804%
20	5.679	401	405	409	rVB3	46502	100255	7.11%	0.331%
21	5.748	409	412	413	rBV2	13138	18638	1.32%	0.061%
22	5.777	413	415	419	rVB2	50374	62650	4.44%	0.207%
23	5.837	419	421	425	rBV4	48087	77767	5.52%	0.257%
24	5.896	425	427	429	rVB2	17466	23469	1.66%	0.077%
25	5.945	429	432	435	rVB	79891	113541	8.05%	0.375%
26	6.014	435	439	443	rBV2	51091	114478	8.12%	0.378%
27	6.063	443	444	446	rBV2	11370	15868	1.13%	0.052%
28	6.103	446	448	451	rBV3	24973	59035	4.19%	0.195%
29	6.152	451	453	455	rBV	68594	87821	6.23%	0.290%
30	6.182	455	456	457	rBV	20883	20000	1.42%	0.066%
31	6.221	457	460	465	rVB4	55241	88996	6.31%	0.294%
32	6.290	465	467	472	rVB3	90735	148919	10.56%	0.491%
33	6.379	472	476	479	rBV3	42326	110363	7.83%	0.364%
34	6.438	479	482	486	rVB	574525	784253	55.63%	2.587%
35	6.517	486	490	492	rBV2	40034	75850	5.38%	0.250%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	6.566	492	495	497	rBV3	87444	190316	13.50%	0.628%
37	6.615	497	500	503	rVB3	142133	255520	18.12%	0.843%
38	6.674	503	506	509	rVB3	45392	77418	5.49%	0.255%
39	6.724	509	511	514	rVB2	84341	116542	8.27%	0.384%
40	6.783	514	517	521	rBV4	149308	363436	25.78%	1.199%
41	6.852	521	524	527	rVB2	318684	551175	39.09%	1.818%
42	6.940	527	533	537	rBV3	324976	892674	63.32%	2.945%
43	7.000	537	539	541	rBV3	118797	191105	13.56%	0.630%
44	7.049	541	544	545	rBV2	38163	69379	4.92%	0.229%
45	7.069	545	546	548	rBV2	24338	38422	2.73%	0.127%
46	7.138	550	553	556	rVB	549836	788263	55.91%	2.600%
47	7.207	556	560	564	rBV3	177422	443387	31.45%	1.463%
48	7.266	564	566	568	rVB	163878	223964	15.89%	0.739%
49	7.325	568	572	573	rBV2	139044	283271	20.09%	0.934%
50	7.384	573	578	585	rVB7	153861	558997	39.65%	1.844%
51	7.483	585	588	590	rBV4	149472	261585	18.55%	0.863%
52	7.542	590	594	595	rBV2	103553	186650	13.24%	0.616%
53	7.571	595	597	601	rVB5	147784	336545	23.87%	1.110%
54	7.630	601	603	605	rBV	225848	381178	27.04%	1.257%
55	7.680	605	608	610	rVB2	242046	355424	25.21%	1.172%
56	7.768	610	617	621	rBV7	209559	802297	56.91%	2.647%
57	7.857	621	626	631	rVB	543649	991578	70.33%	3.271%
58	7.916	631	632	633	rBV	34714	36877	2.62%	0.122%
59	7.975	633	638	640	rBV3	202533	488978	34.68%	1.613%
60	8.113	645	652	655	rBV3	489726	1350432	95.79%	4.455%
61	8.163	655	657	658	rVV2	134965	205001	14.54%	0.676%
62	8.192	658	660	661	rVV2	180433	307762	21.83%	1.015%
63	8.222	661	663	665	rVV	300781	474090	33.63%	1.564%
64	8.301	665	671	674	rVB6	361912	1098203	77.90%	3.623%
65	8.429	674	684	687	rBV8	341996	1337832	94.89%	4.413%
66	8.478	687	689	690	rVV2	90479	126040	8.94%	0.416%
67	8.517	690	693	700	rVV2	561822	1409836	100.00%	4.651%
68	8.626	700	704	706	rBV	357129	592996	42.06%	1.956%
69	8.665	706	708	709	rVV	410906	616093	43.70%	2.032%
70	8.685	709	710	715	rVB4	281285	657146	46.61%	2.168%
71	8.783	718	720	722	rBV2	88002	155246	11.01%	0.512%
72	8.882	725	730	738	rBV3	389413	1078388	76.49%	3.557%
73	8.971	738	739	741	rVB	102026	81215	5.76%	0.268%
74	9.030	741	745	748	rBV4	307865	801324	56.84%	2.643%
75	9.089	748	751	753	rVB3	229861	410916	29.15%	1.356%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	9.138	753	756	759	rBV3	323159	786292	55.77%	2.594%
77	9.237	762	766	768	rVB3	347859	584904	41.49%	1.930%
78	9.286	768	771	772	rBV3	27346	42776	3.03%	0.141%
79	9.306	772	773	775	rBV2	39512	44086	3.13%	0.145%
80	9.355	775	778	781	rVV3	229398	612730	43.46%	2.021%
81	9.404	781	783	789	rVB6	311393	722889	51.27%	2.385%
82	9.483	789	791	792	rBV2	70241	90888	6.45%	0.300%
83	9.503	792	793	795	rVB2	51224	56600	4.01%	0.187%
84	9.562	796	799	801	rVV3	247601	605786	42.97%	1.998%
85	9.601	801	803	806	rVV2	428192	773555	54.87%	2.552%
86	9.651	806	808	809	rVV2	107101	184483	13.09%	0.609%
87	9.690	809	812	816	rVV5	230170	683137	48.46%	2.254%
88	9.749	816	818	821	rVV3	148725	328475	23.30%	1.084%
89	9.808	821	824	825	rVV2	119251	213570	15.15%	0.705%
90	9.848	825	828	830	rVV3	170257	314989	22.34%	1.039%
91	9.897	830	833	838	rVB4	161918	345663	24.52%	1.140%

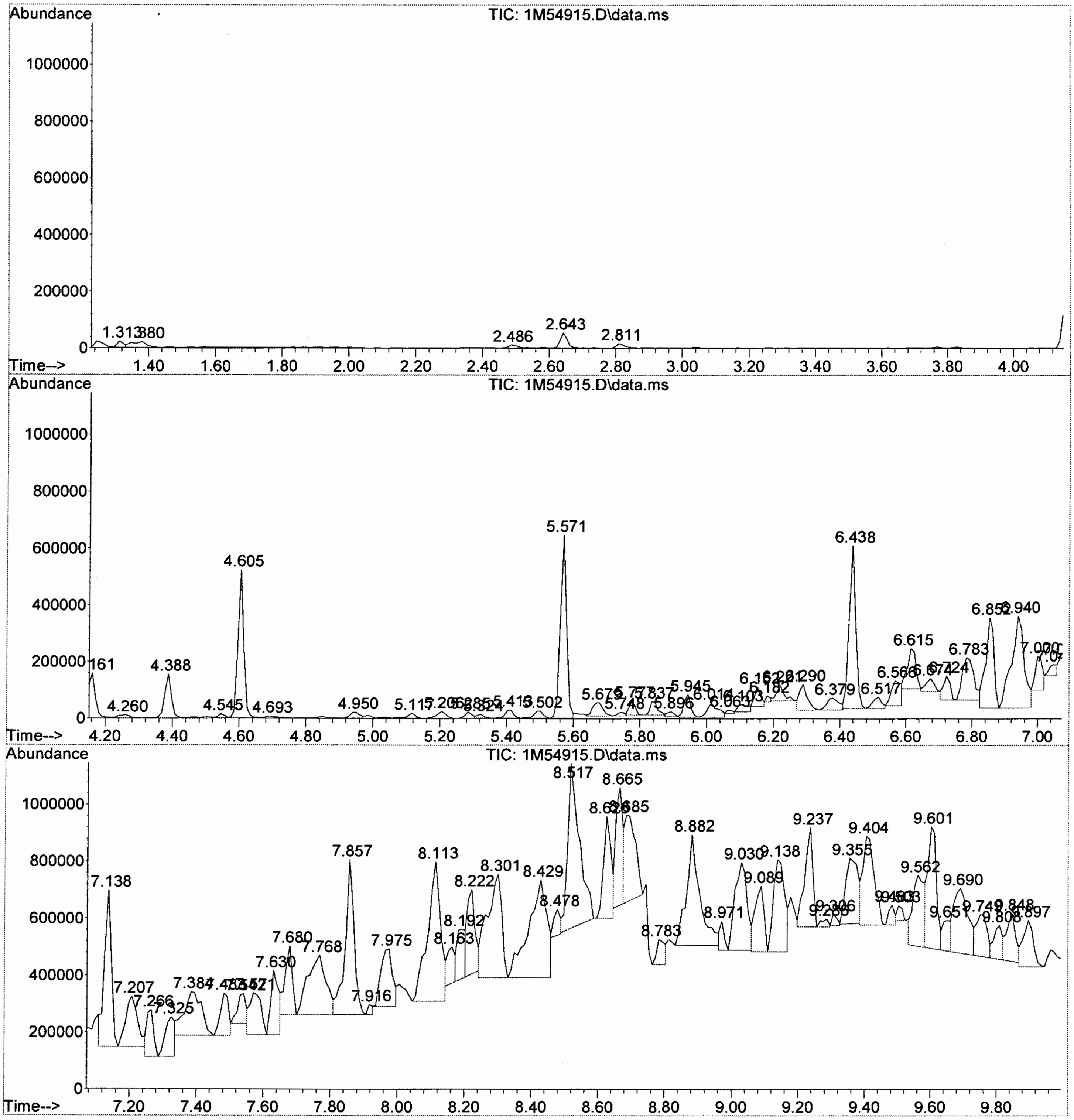
Sum of corrected areas: 30313456

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

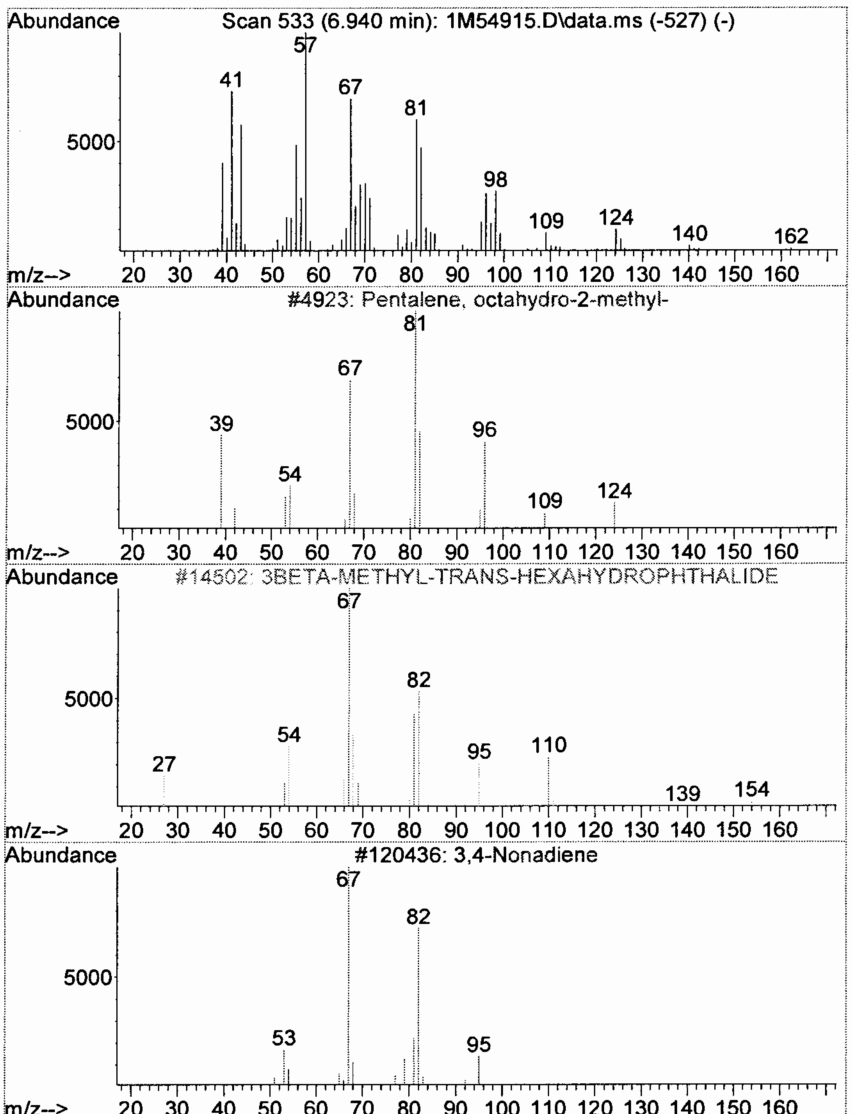
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

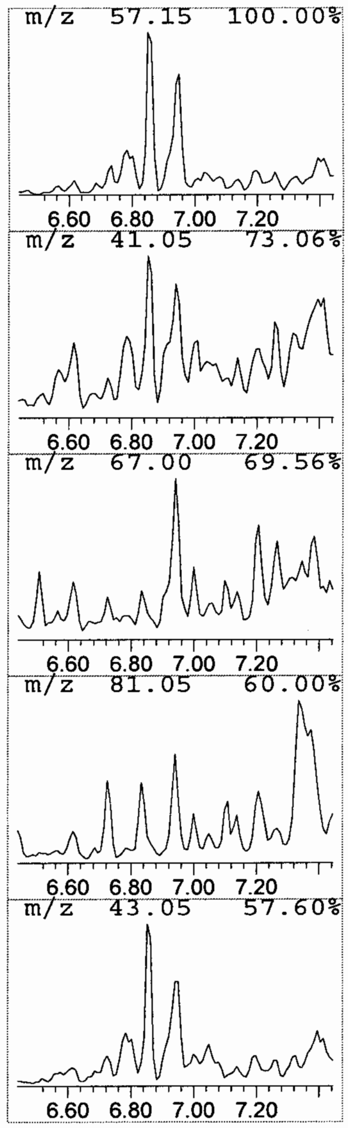
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	34.15 ug/l	892674	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43
2	3BETA-METHYL-TRANS-HEXAHYDROPHTH...	154	C9H14O2	002205-25-6	27
3	3,4-Nonadiene	124	C9H16	037050-03-6	35
4	Bicyclo[7.1.0]decane	138	C10H18	000286-76-0	27
5	3-Octyne, 7-methyl-	124	C9H16	037050-06-9	27





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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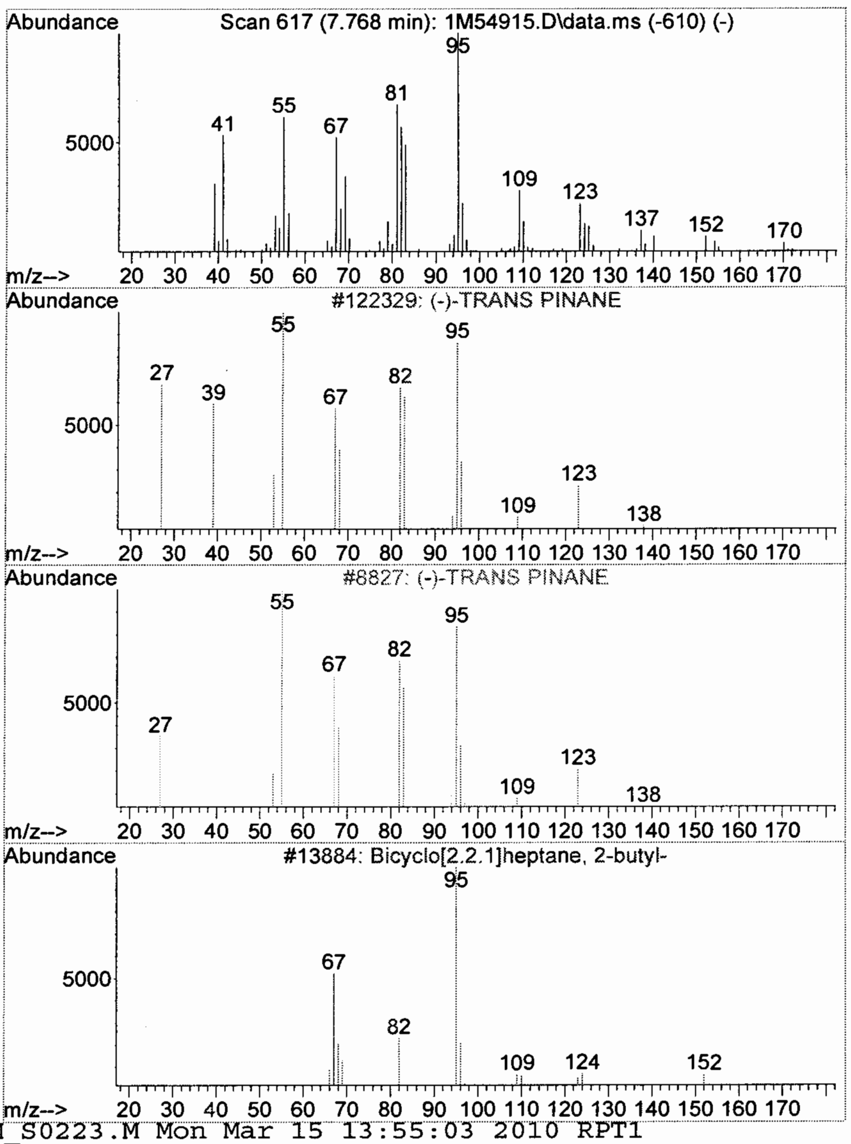
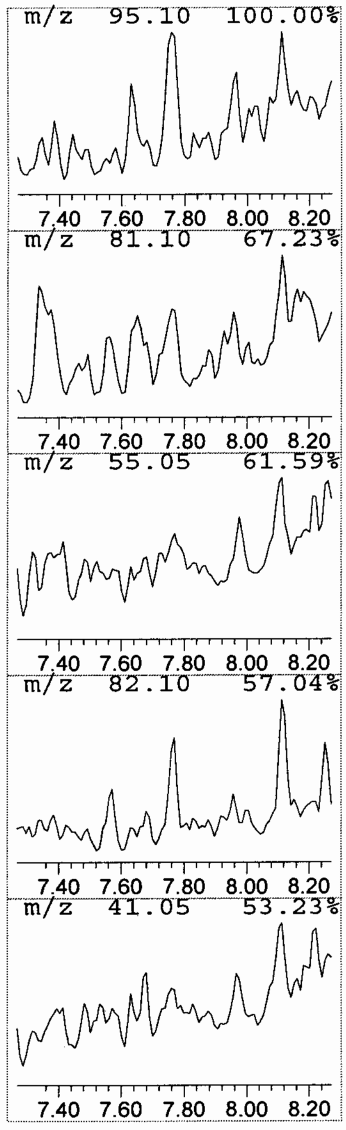

****

Peak Number 2 Bicyclo[2.2.1]heptane, 2-bu... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	37.23 ug/l	802297	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-TRANS PINANE	138	C10H18	000473-55-2	38
2	(-)-TRANS PINANE	138	C10H18	000473-55-2	35
3	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	49
4	Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	43
5	d-Isothujone	152	C10H16O	000471-15-8	14





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

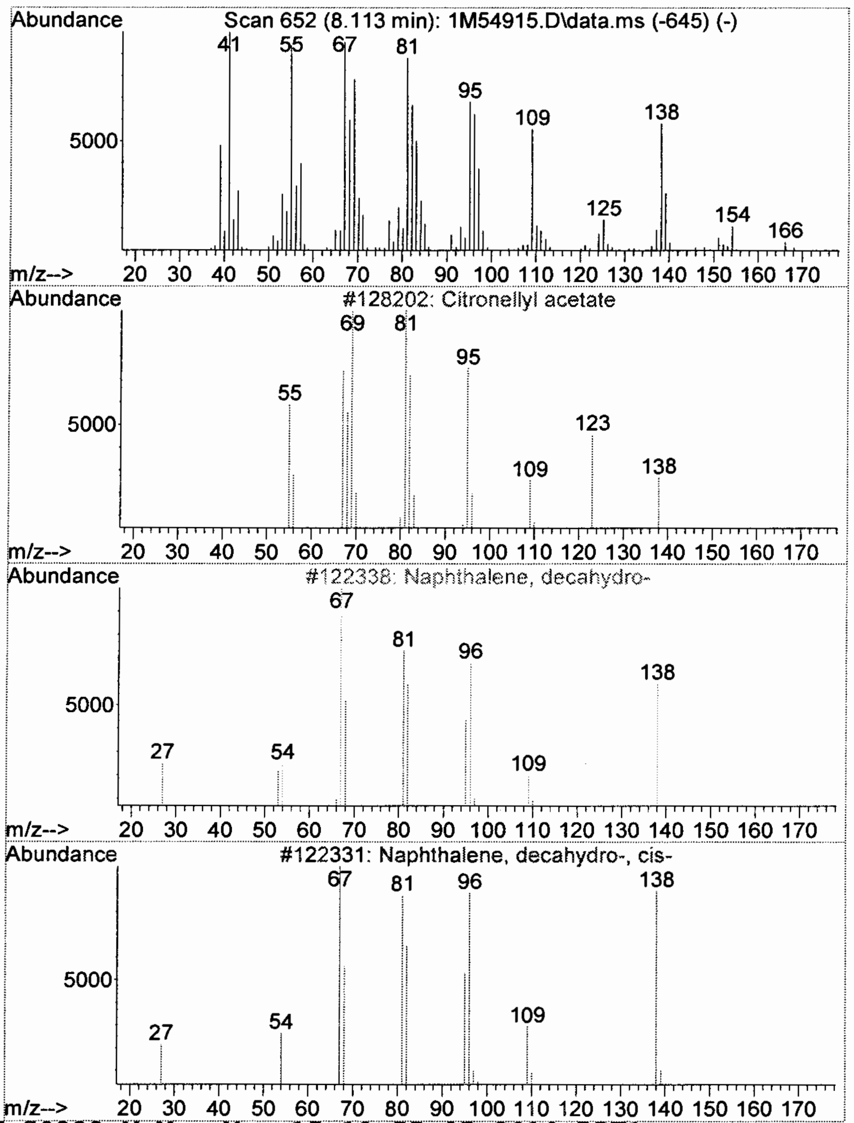
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

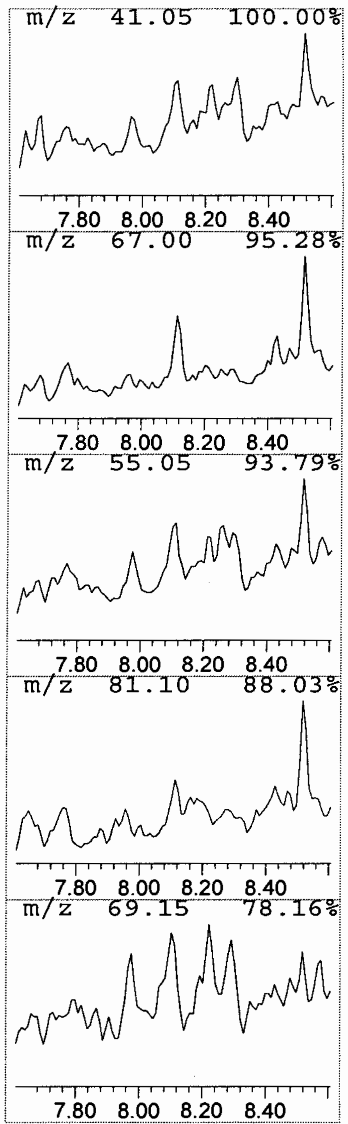
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Citronellyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	62.66 ug/l	1350432	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Citronellyl acetate	198	C12H22O2	000150-84-5	49
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	64
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	38
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	53





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

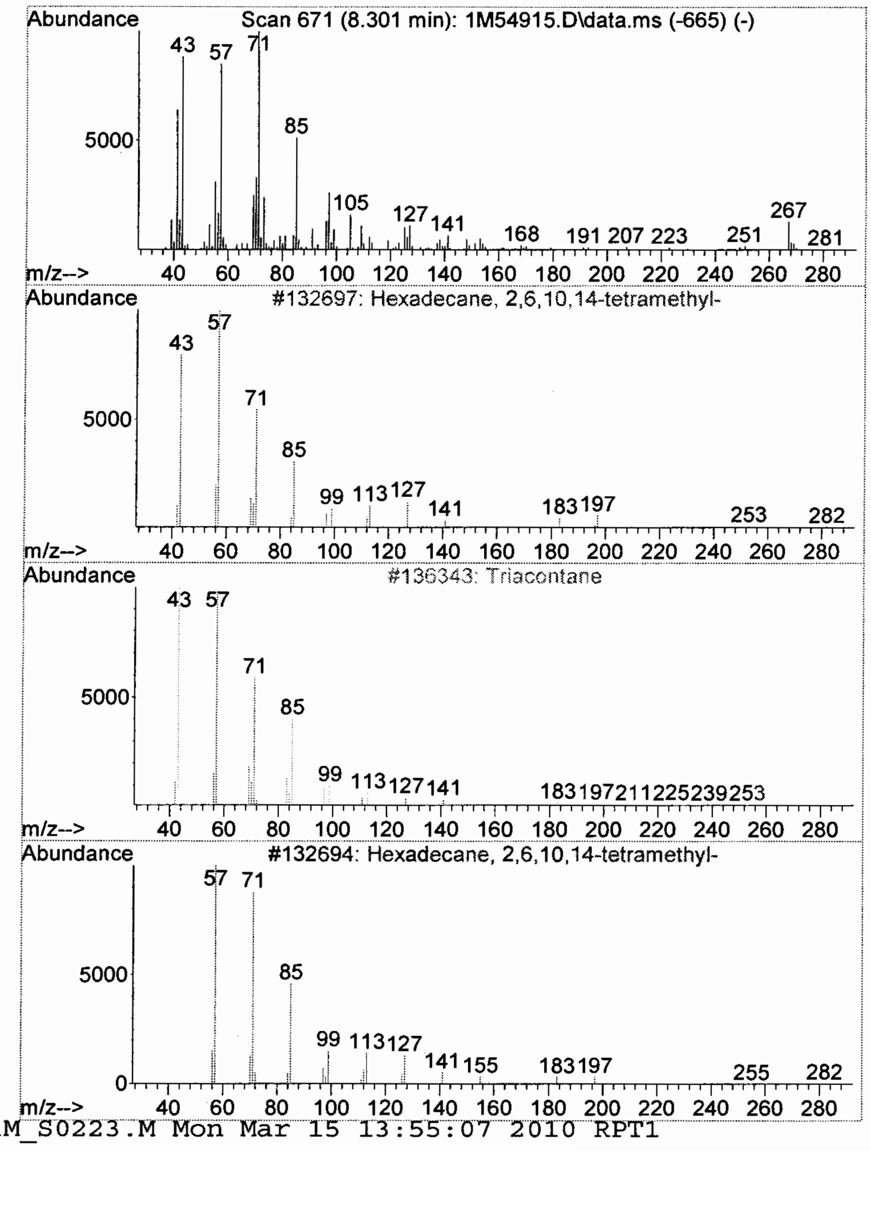
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

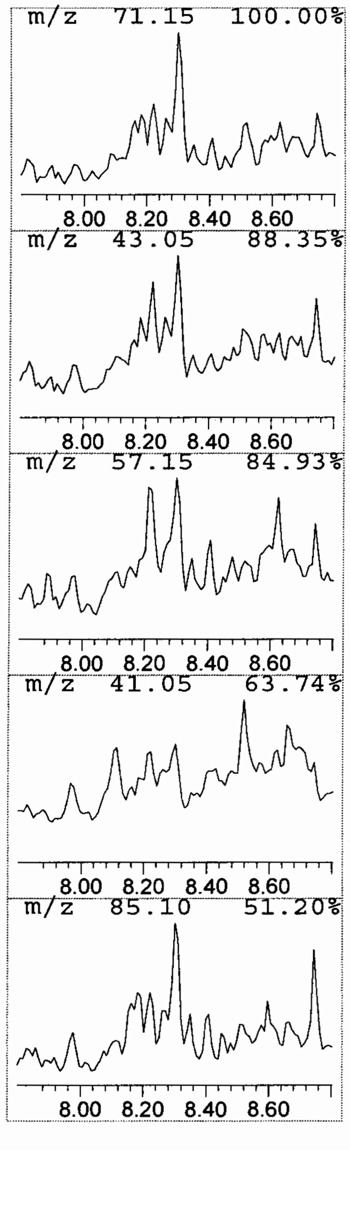
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number  4  unknown                       Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	50.95 ug/l	1098203	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	22
2	Triacontane	422	C30H62	000638-68-6	35
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	47
4	Tricosane	324	C23H48	000638-67-5	35
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	35





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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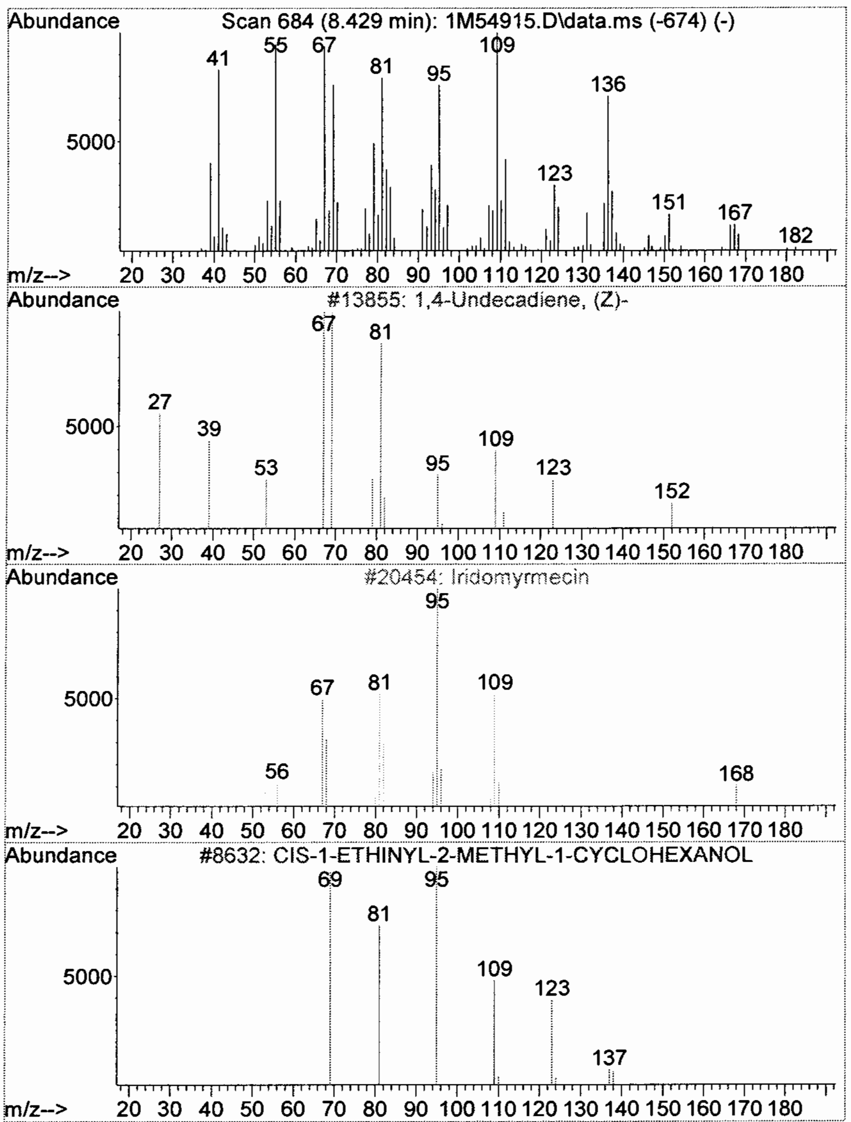
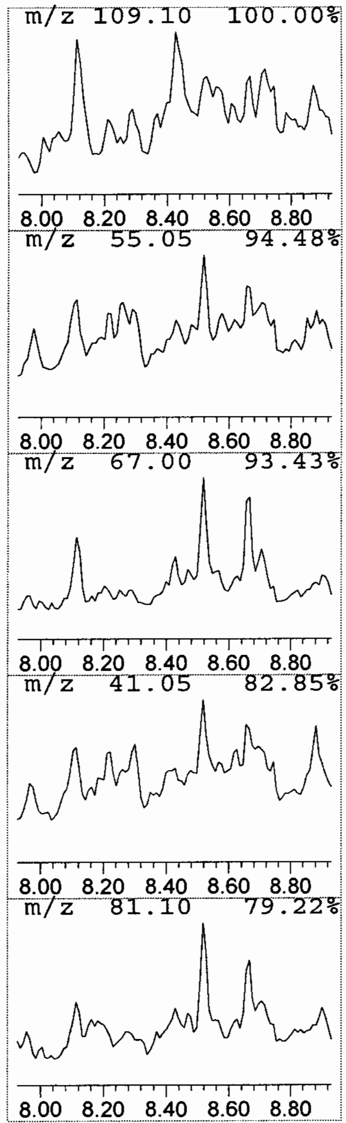

****

Peak Number 5 unknown   Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	62.07 ug/l	1337832	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Undecadiene, (Z)-	152	C11H20	055976-14-2	38
2	Iridomyrmecin	168	C10H16O2	000485-43-8	35
3	CIS-1-ETHINYL-2-METHYL-1-CYCLOHE...	138	C9H14O	036144-41-9	46
4	CYCLOPENTANE, 1,2-DIMETHYL-3-MET...	110	C8H14	000000-00-0	11
5	Methylenecyclononane	138	C10H18	056133-38-1	38



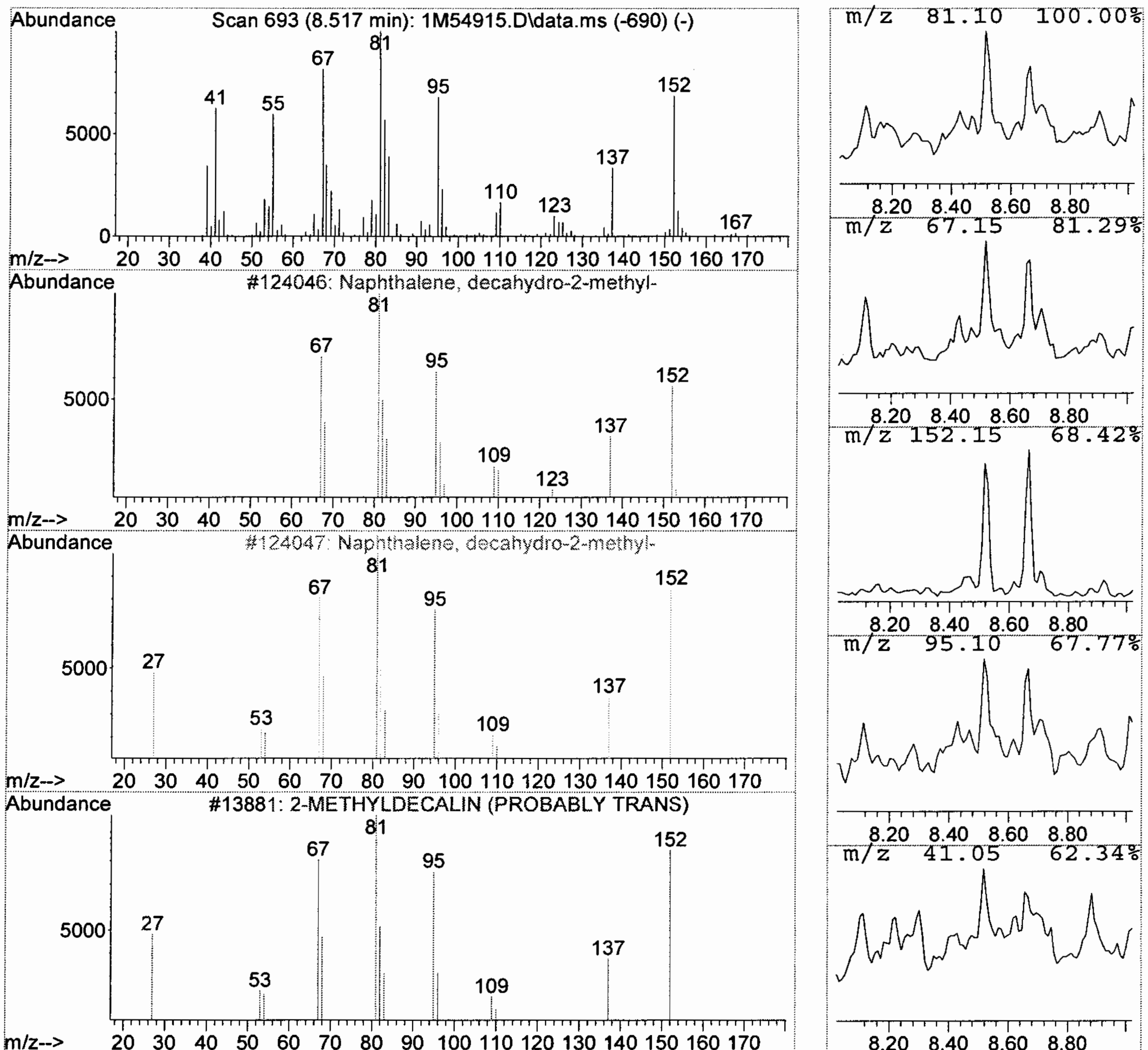


Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	65.41 ug/l	1409836	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
3	2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	55
4	(-)-TRANS-CARANON-(3)	152	C10H16O	004176-04-9	59
5	Pulegone	152	C10H16O	000089-82-7	58



Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

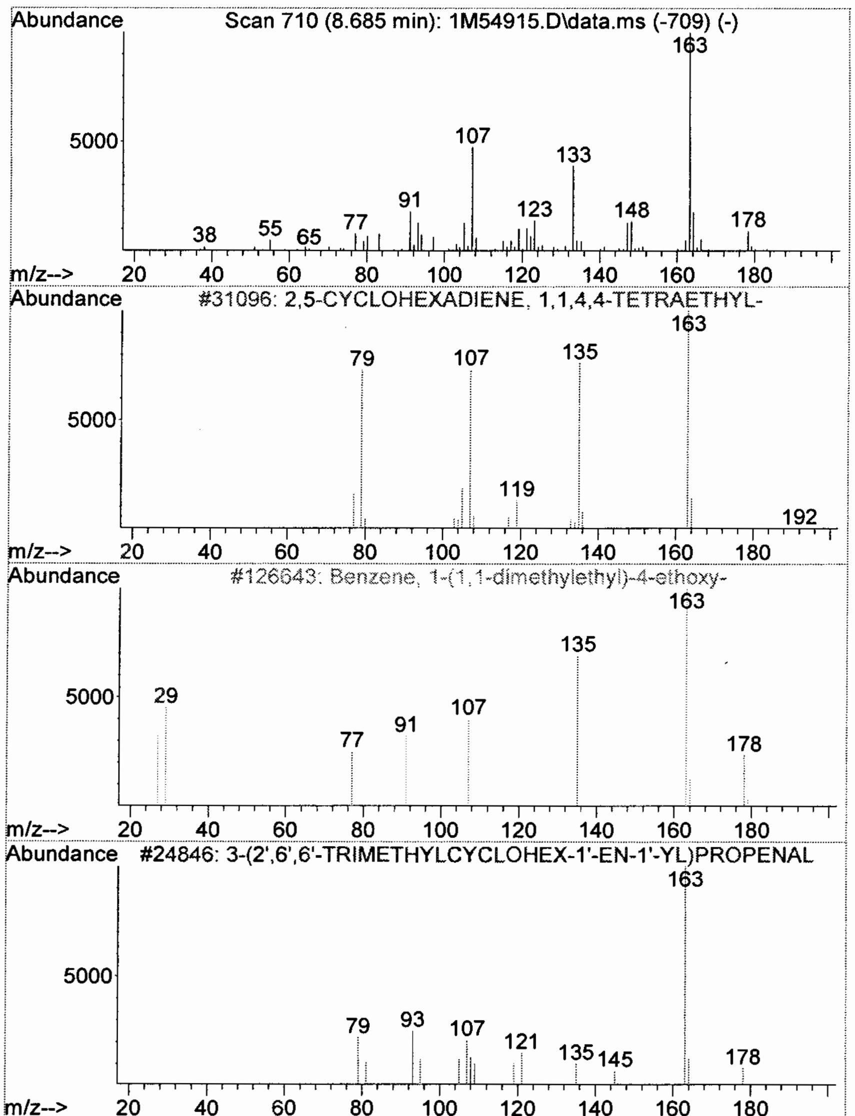
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

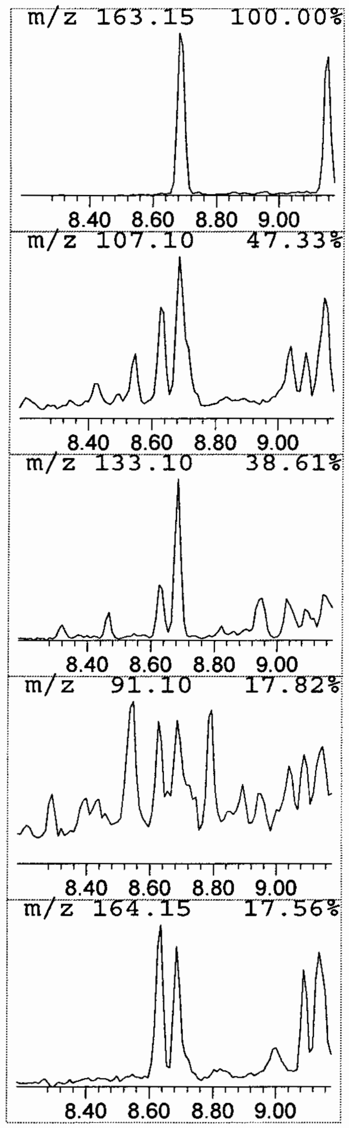
****

Peak Number 7 unknown   Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	30.49 ug/l	657146	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-CYCLOHEXADIENE, 1,1,4,4-TETR...	192	C14H24	000000-00-0	25
2	Benzene, 1-(1,1-dimethylethyl)-4...	178	C12H18O	017269-94-2	25
3	3-(2',6',6'-TRIMETHYLCYCLOHEX-1'...	178	C12H18O	053018-97-6	25
4	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	25
5	1,1,2,3,5,6-Hexamethyl-4-neopent...	234	C17H30	075948-84-4	23





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On    :  9 Mar 2010  18:46
Operator  : WP
Sample    : AC50199-004
Misc      : S,5G!4
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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

**********************************************************************
Peak Number  8  Undecane, 3,6-dimethyl-        Concentration Rank  5

  R.T.   EstConc          Area       Relative to ISTD         R.T.
----------------------------------------------------------------------
  8.88   50.04 ug/l      1078388    LibIS-1,4-Dichlorobenzene-d4   7.86

 Hit# of  5    Tentative ID                MW  MolForm        CAS#       Qual
----------------------------------------------------------------------
 1 Undecane, 3,6-dimethyl-                184 C13H28         017301-28-9 81
 2 Undecane, 2,6-dimethyl-                184 C13H28         017301-23-4 55
 3 Undecane, 2,5-dimethyl-                184 C13H28         017301-22-3 22
 4 Undecane, 2,6-dimethyl-                184 C13H28         017301-23-4 59
 5 Dodecane, 6-methyl-                    184 C13H28         006044-71-9 38
```
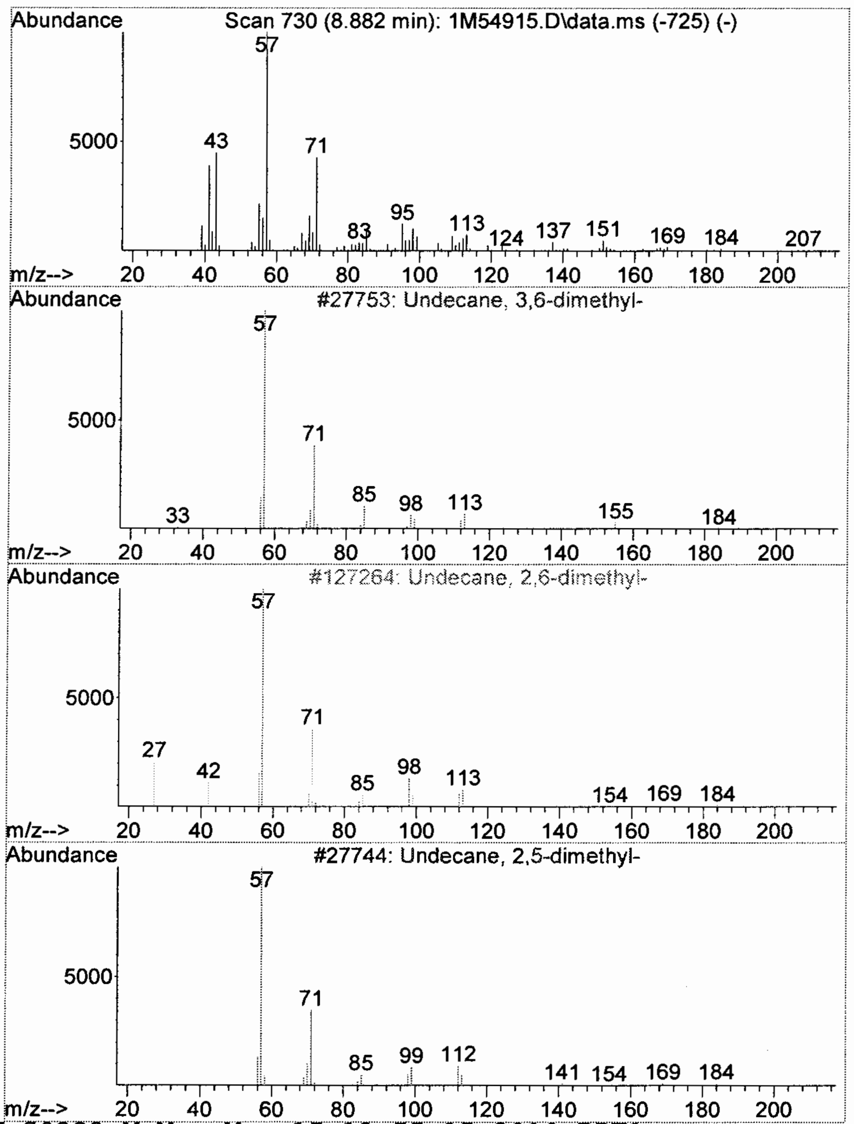
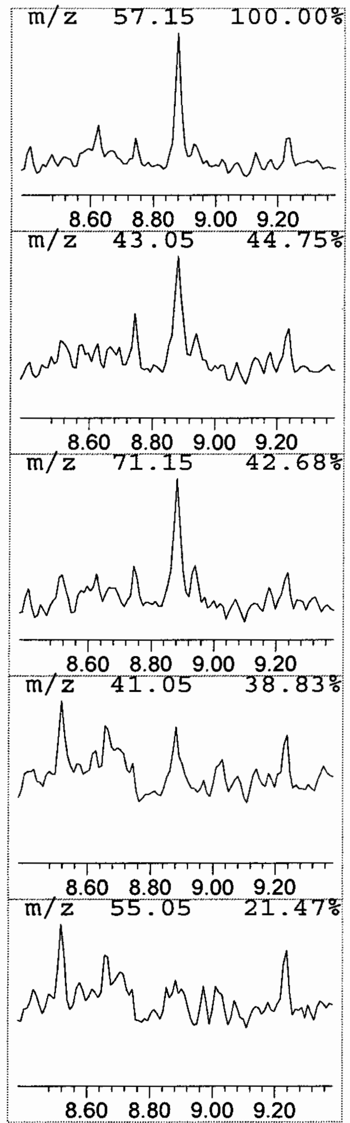





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

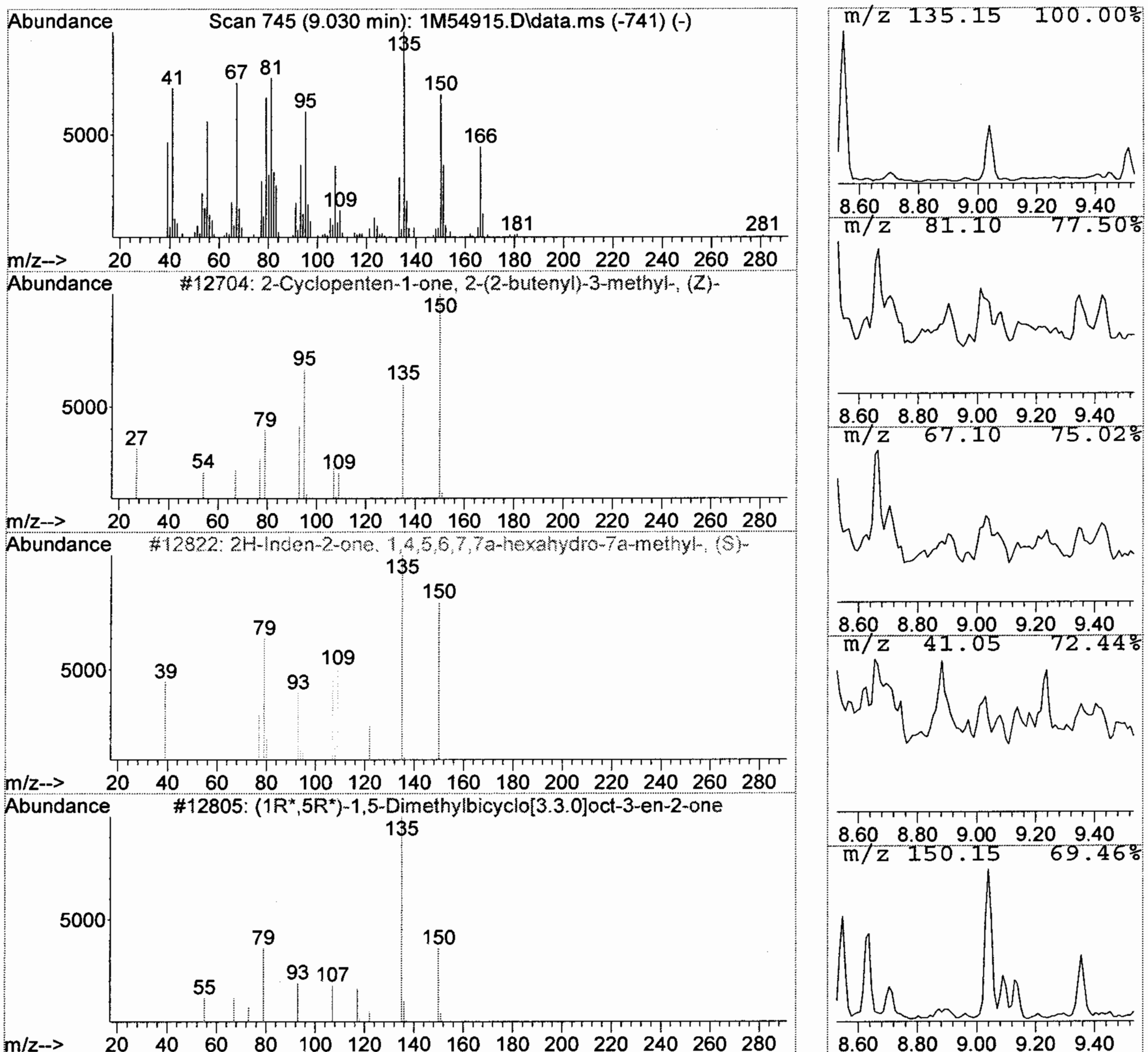
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 9 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	37.18 ug/l	801324	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2-(2-buteny...	150	C10H14O	017190-71-5	18
2	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	150	C10H14O	054725-16-5	47
3	(1R*,5R*)-1,5-Dimethylbicyclo[3....	150	C10H14O	000000-00-0	10
4	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	38
5	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	18



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

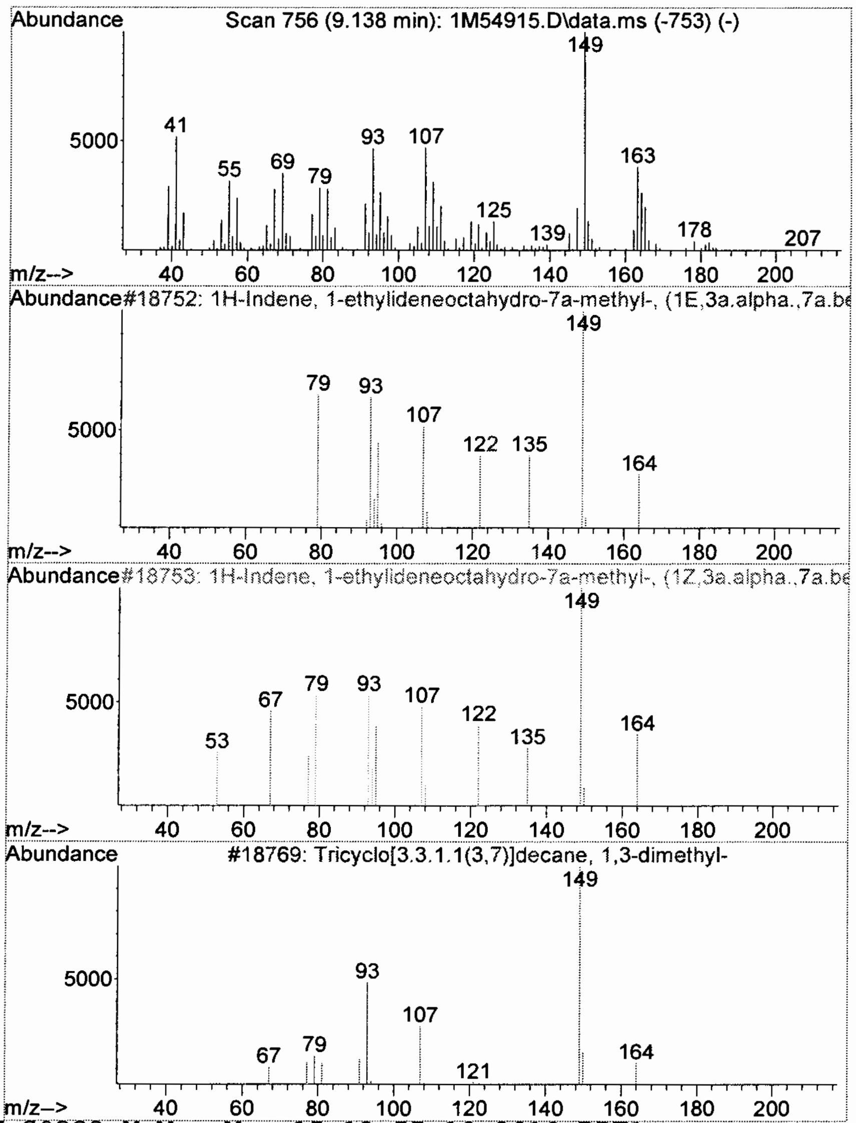
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

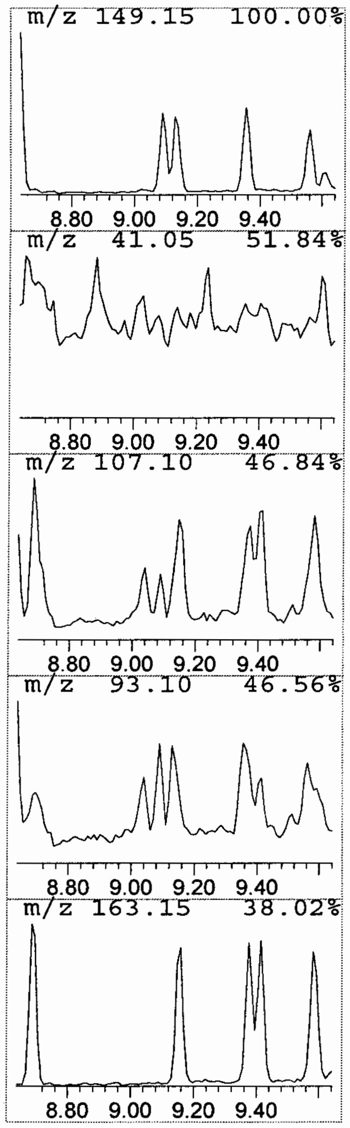
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	36.48 ug/l	786292	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylideneoctahydro...	164	C12H20	056324-68-6	38
2	1H-Indene, 1-ethylideneoctahydro...	164	C12H20	056324-69-7	27
3	Tricyclo[3.3.1.1(3,7)]decane, 1,...	164	C12H20	000702-79-4	11
4	Tricyclo[4.3.1.1(3,8)]undecane, ...	228	C11H17Br	021898-96-4	27
5	Pyridinium, 1-(acetylamino)-2,6-...	164	C9H12N2O	031020-35-6	16





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

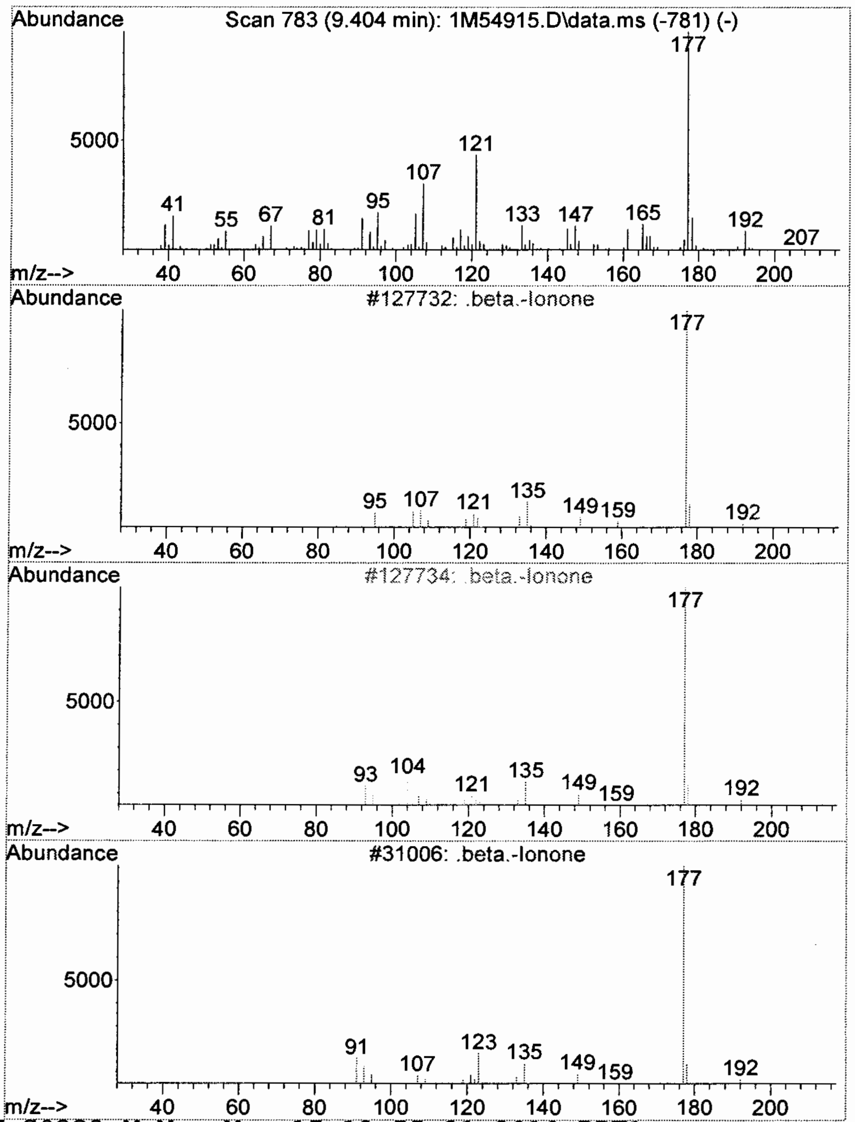
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

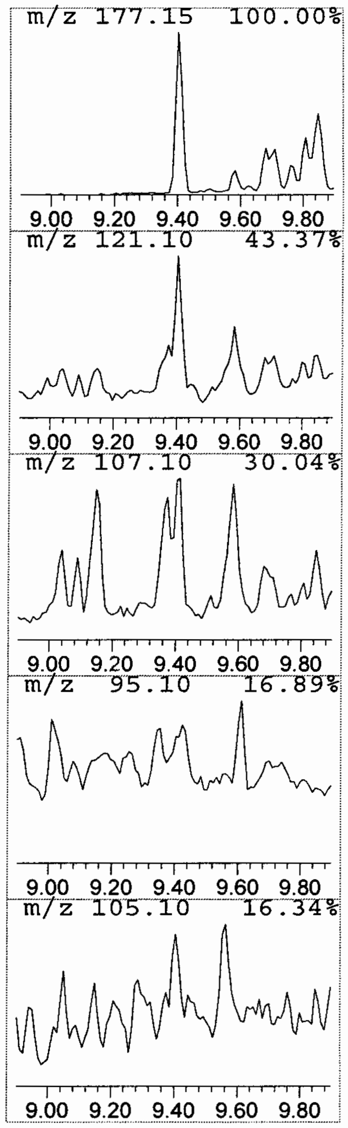
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	33.54 ug/l	722889	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Ionone	192	C13H20O	014901-07-6	33
2	.beta.-Ionone	192	C13H20O	014901-07-6	33
3	.beta.-Ionone	192	C13H20O	014901-07-6	33
4	trans-.beta.-Ionone	192	C13H20O	000079-77-6	33
5	7-amino-3-methylpyrimido(4,5-c)p...	177	C7H7N5O	074482-47-6	33





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

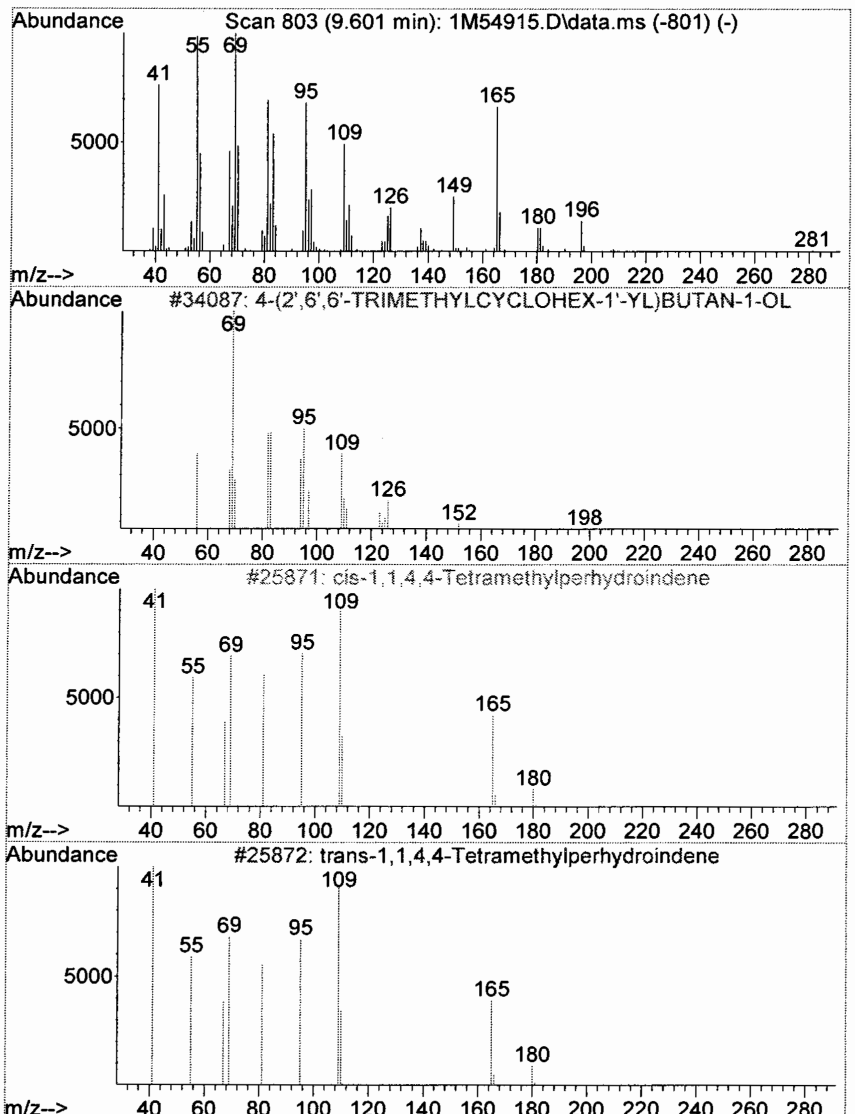
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

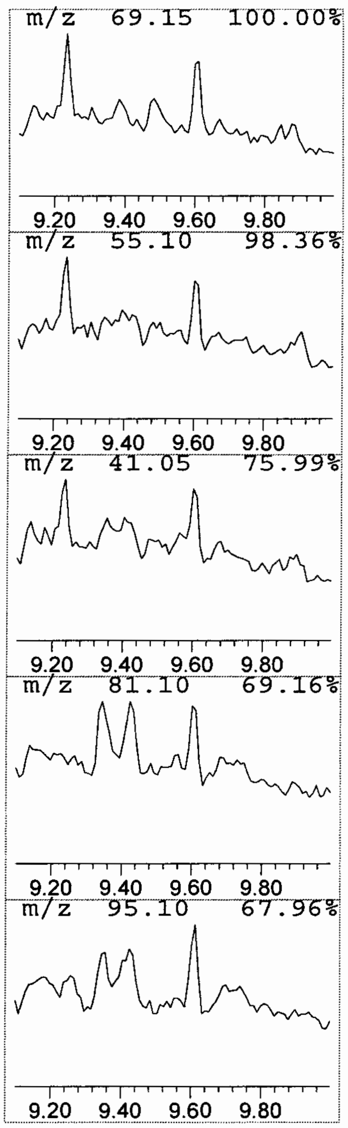
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	35.89 ug/l	773555	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(2',6',6'-TRIMETHYLCYCLOHEX-1'...	198	C13H26O	054344-86-4	58
2	cis-1,1,4,4-Tetramethylperhydroi...	180	C13H24	085329-79-9	38
3	trans-1,1,4,4-Tetramethylperhydr...	180	C13H24	085329-80-2	38
4	Isomer A of 1,1,6-Trimethyldecah...	180	C13H24	081983-73-5	18
5	Isomer B of 1,1,6-Trimethyldecah...	180	C13H24	081983-74-6	11





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

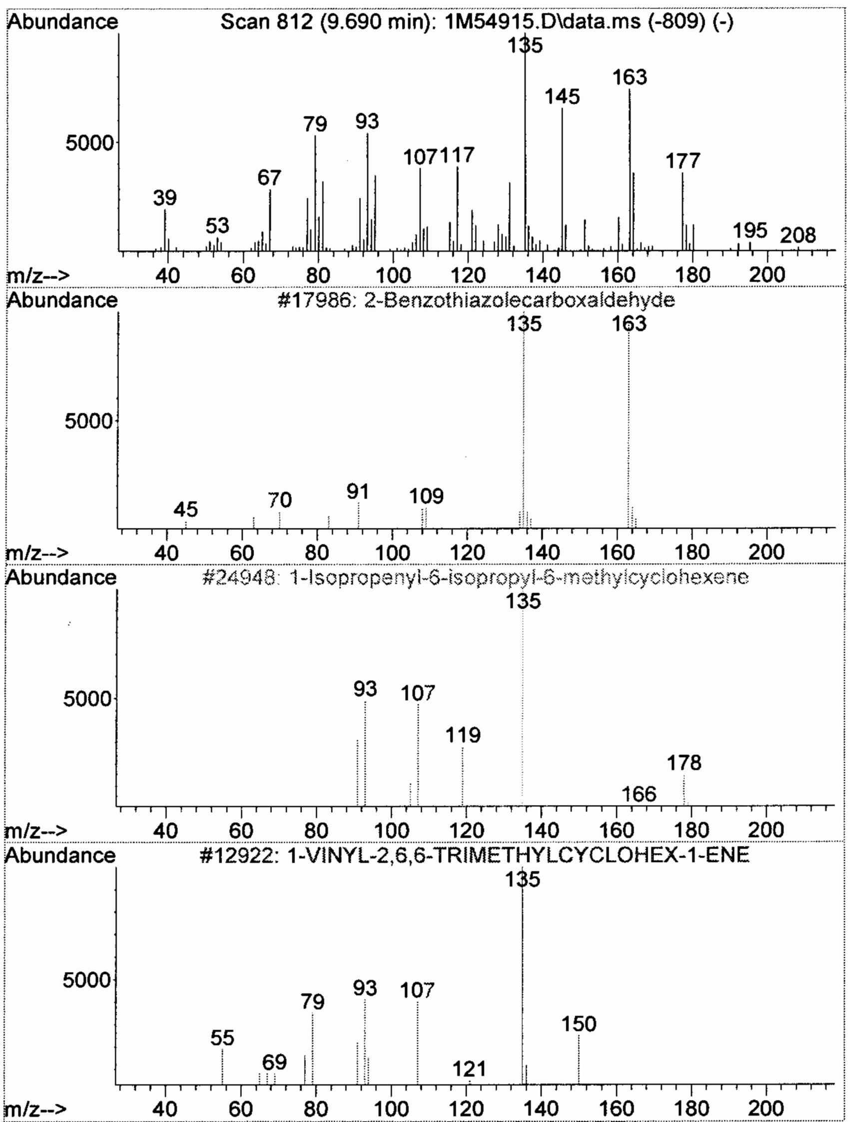
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

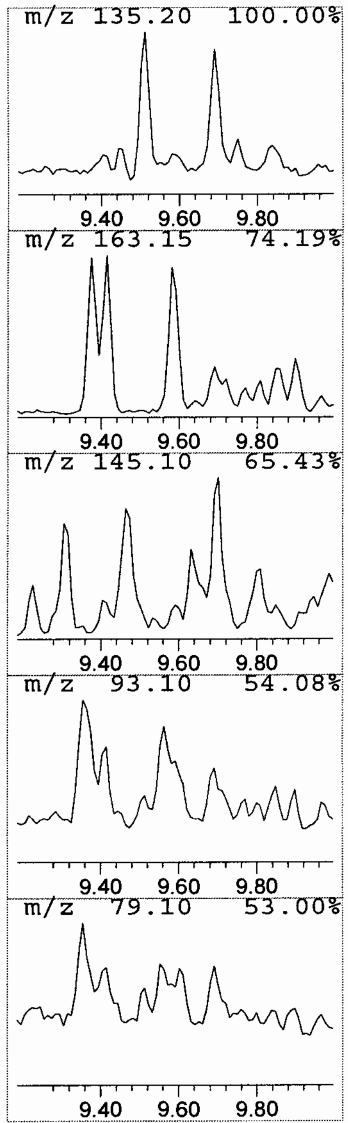
****

Peak Number 13 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	31.70 ug/l	683137	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiazolecarboxaldehyde	163	C8H5NOS	006639-57-2	30
2	1-Isopropenyl-6-isopropyl-6-meth...	178	C13H22	081535-27-5	22
3	1-VINYL-2,6,6-TRIMETHYLCYCLOHEX-...	150	C11H18	005293-90-3	22
4	7-Formyl[4.3.1]propellane	164	C11H16O	000000-00-0	22
5	Pyridinium, 1-(acetylamino)-2-me...	150	C8H10N2O	007584-27-2	14





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54915.D
Acq On : 9 Mar 2010 18:46
Operator : WP
Sample : AC50199-004
Misc : S,5G!4
ALS Vial : 61 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
unknown	6.94	34.1	ug/l	892674	2	6.44	6.44	784253	30.0
Bicyclo[2.2.1]hep...	7.77	37.2	ug/l	802297	3	7.86	7.86	646577	30.0
Citronellyl acetate	8.11	62.7	ug/l	1350432	3	7.86	7.86	646577	30.0
unknown	8.30	51.0	ug/l	1098203	3	7.86	7.86	646577	30.0
unknown	8.43	62.1	ug/l	1337832	3	7.86	7.86	646577	30.0
Naphthalene, deca...	8.52	65.4	ug/l	1409836	3	7.86	7.86	646577	30.0
unknown	8.68	30.5	ug/l	657146	3	7.86	7.86	646577	30.0
Undecane, 3,6-dim...	8.88	50.0	ug/l	1078388	3	7.86	7.86	646577	30.0
unknown	9.03	37.2	ug/l	801324	3	7.86	7.86	646577	30.0
unknown	9.14	36.5	ug/l	786292	3	7.86	7.86	646577	30.0
unknown	9.40	33.5	ug/l	722889	3	7.86	7.86	646577	30.0
unknown	9.60	35.9	ug/l	773555	3	7.86	7.86	646577	30.0
unknown	9.69	31.7	ug/l	683137	3	7.86	7.86	646577	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-005
Client Id: PI-01-TP-RAU2030510SO1
Data File: 1M54943.D
Analysis Date: 03/10/10 12:21
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 72

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0068	U	56-23-5	Carbon Tetrachloride	0.0068	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0068	U	108-90-7	Chlorobenzene	0.0068	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0068	U	75-00-3	Chloroethane	0.0068	U
79-00-5	1,1,2-Trichloroethane	0.0068	U	67-66-3	Chloroform	0.0068	U
75-34-3	1,1-Dichloroethane	0.0068	U	74-87-3	Chloromethane	0.0068	U
75-35-4	1,1-Dichloroethene	0.0068	U	156-59-2	cis-1,2-Dichloroethene	0.0068	U
96-18-4	1,2,3-Trichloropropane	0.0068	U	10061-01-5	cis-1,3-Dichloropropene	0.0068	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U	124-48-1	Dibromochloromethane	0.0068	U
95-50-1	1,2-Dichlorobenzene	0.0068	U	75-71-8	Dichlorodifluoromethane	0.0068	U
107-06-2	1,2-Dichloroethane	0.0068	U	100-41-4	Ethylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0068	U	98-82-8	Isopropylbenzene	0.0014	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U	136777612	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0068	U	75-09-2	Methylene Chloride	0.0068	U
142-28-9	1,3-Dichloropropane	0.0068	U	1634-04-4	Methyl-t-butyl ether	0.0014	U
106-46-7	1,4-Dichlorobenzene	0.0068	U	104-51-8	n-Butylbenzene	0.0014	U
123-91-1	1,4-Dioxane	0.34	U	103-65-1	n-Propylbenzene	0.0014	U
78-93-3	2-Butanone	0.0068	U	95-47-6	o-Xylene	0.0014	U
110-75-8	2-Chloroethylvinylether	0.0068	U	135-98-8	sec-Butylbenzene	0.0014	U
591-78-6	2-Hexanone	0.0068	U	100-42-5	Styrene	0.0068	U
99-87-6	4-Isopropyltoluene	0.0014	U	75-65-0	t-Butyl Alcohol	0.034	U
108-10-1	4-Methyl-2-Pentanone	0.0068	U	98-06-6	t-Butylbenzene	0.0014	U
67-64-1	Acetone	0.034	U	127-18-4	Tetrachloroethene	0.0068	U
107-02-8	Acrolein	0.034	U	108-88-3	Toluene	0.0014	U
107-13-1	Acrylonitrile	0.0068	U	156-60-5	trans-1,2-Dichloroethene	0.0068	U
71-43-2	Benzene	0.0014	U	10061-02-6	trans-1,3-Dichloropropene	0.0068	U
75-27-4	Bromodichloromethane	0.0068	U	79-01-6	Trichloroethene	0.0068	U
75-25-2	Bromoform	0.0068	U	75-69-4	Trichlorofluoromethane	0.0068	U
74-83-9	Bromomethane	0.0068	U	75-01-4	Vinyl Chloride	0.0068	U
75-15-0	Carbon Disulfide	0.0068	U	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101

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: AC50199-005
Client Id: PI-01-TP-RAU2030510
Data File: 1M54943.D
Analysis Date: 03/10/10 12:21
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 72
Method: EPA 8260B

Units: mg/Kg

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

Worksheet #: 145101

Total Tentativelv 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 (QT Reviewed)

SampleID : AC50199-005
Data File: 1M54943.D
Acq On : 03/10/10 12:21

Operator : WP
Sam Mult : 1 Vial# : 61
Misc : S,5G!7

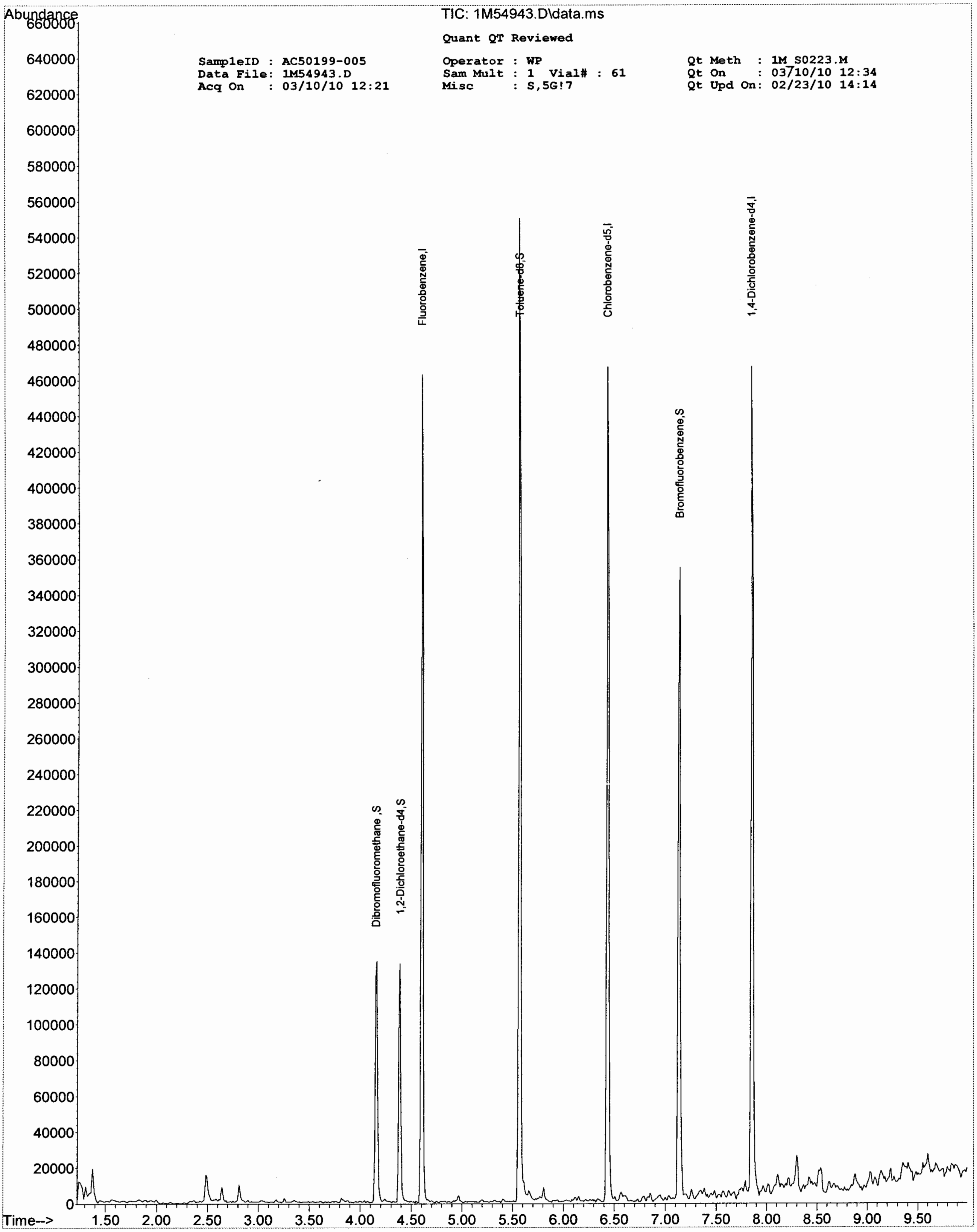
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 12:34
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	219262	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	184777	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	98355	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.151	111	62996	31.90 ug/l	-0.02
Spiked Amount 30.000			Recovery =	106.33%	
35) 1,2-Dichloroethane-d4	4.388	102	11335	31.67 ug/l	0.00
Spiked Amount 30.000			Recovery =	105.57%	
59) Toluene-d8	5.571	100	152080	27.42 ug/l	0.00
Spiked Amount 30.000			Recovery =	91.40%	
67) Bromofluorobenzene	7.138	174	81991	28.12 ug/l	0.00
Spiked Amount 30.000			Recovery =	93.73%	
Target Compounds					Qvalue
No Library Search Compounds Found					

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

lw



Abundance
TIC: 1M54943.D\data.ms
Quant QT Reviewed
SampleID : AC50199-005
Data File: 1M54943.D
Acq On : 03/10/10 12:21
Operator : WP
Sam Mult : 1 Vial# : 61
Misc : S,5G!7
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 12:34
Qt Upd On: 02/23/10 14:14
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\2010\GCMS_1\Data\03-10-10\
Data File : 1M54943.D
Acq On : 10 Mar 2010 12:21
Operator : WP
Sample : AC50199-005
Misc : S,5G!7
ALS Vial : 61 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.377	7	10	13	rVB	19038	38051	5.40%	0.953%
2	2.486	78	82	89	rBV	15055	31832	4.52%	0.798%
3	2.644	94	98	101	rVB	7766	11030	1.57%	0.276%
4	2.811	110	115	121	rVB2	9596	15231	2.16%	0.382%
5	4.161	248	252	257	rBV	134414	211596	30.04%	5.302%
6	4.388	271	275	278	rBV	132680	184906	26.25%	4.633%
7	4.605	293	297	300	rBV	462574	577878	82.03%	14.479%
8	5.571	391	395	398	rBV	549647	704455	100.00%	17.650%
9	5.807	417	419	427	rVB	8027	13202	1.87%	0.331%
10	6.438	479	483	489	rBV	466324	657442	93.33%	16.472%
11	6.951	528	535	538	rBV3	3817	11847	1.68%	0.297%
12	7.138	550	554	558	rBV	352240	523418	74.30%	13.114%
13	7.345	569	575	577	rBV4	4834	13985	1.99%	0.350%
14	7.749	611	616	618	rBV4	6539	19881	2.82%	0.498%
15	7.857	623	627	634	rVB	463422	653684	92.79%	16.378%
16	7.966	634	638	640	rBV3	5490	11834	1.68%	0.297%
17	8.015	640	643	646	rVB3	5650	9925	1.41%	0.249%
18	8.084	646	650	651	rBV3	5167	10484	1.49%	0.263%
19	8.114	651	653	655	rVB3	7244	10336	1.47%	0.259%
20	8.301	668	672	676	rVB3	20406	40784	5.79%	1.022%
21	8.537	692	696	701	rVB4	13756	35997	5.11%	0.902%
22	8.616	701	704	707	rBV4	6216	12715	1.80%	0.319%
23	8.882	728	731	738	rVB5	9231	24993	3.55%	0.626%
24	9.030	742	746	749	rBV6	8700	19187	2.72%	0.481%
25	9.139	754	757	760	rBV5	8622	21658	3.07%	0.543%
26	9.237	762	767	768	rBV4	7578	11773	1.67%	0.295%
27	9.355	776	779	783	rBV5	9551	29372	4.17%	0.736%
28	9.405	783	784	789	rVB4	10217	20211	2.87%	0.506%
29	9.602	800	804	807	rVB5	10561	20223	2.87%	0.507%
30	9.681	809	812	816	rBV6	5272	11133	1.58%	0.279%
31	9.799	821	824	827	rBV5	5679	12694	1.80%	0.318%
32	9.878	831	832	838	rVB7	7403	19454	2.76%	0.487%

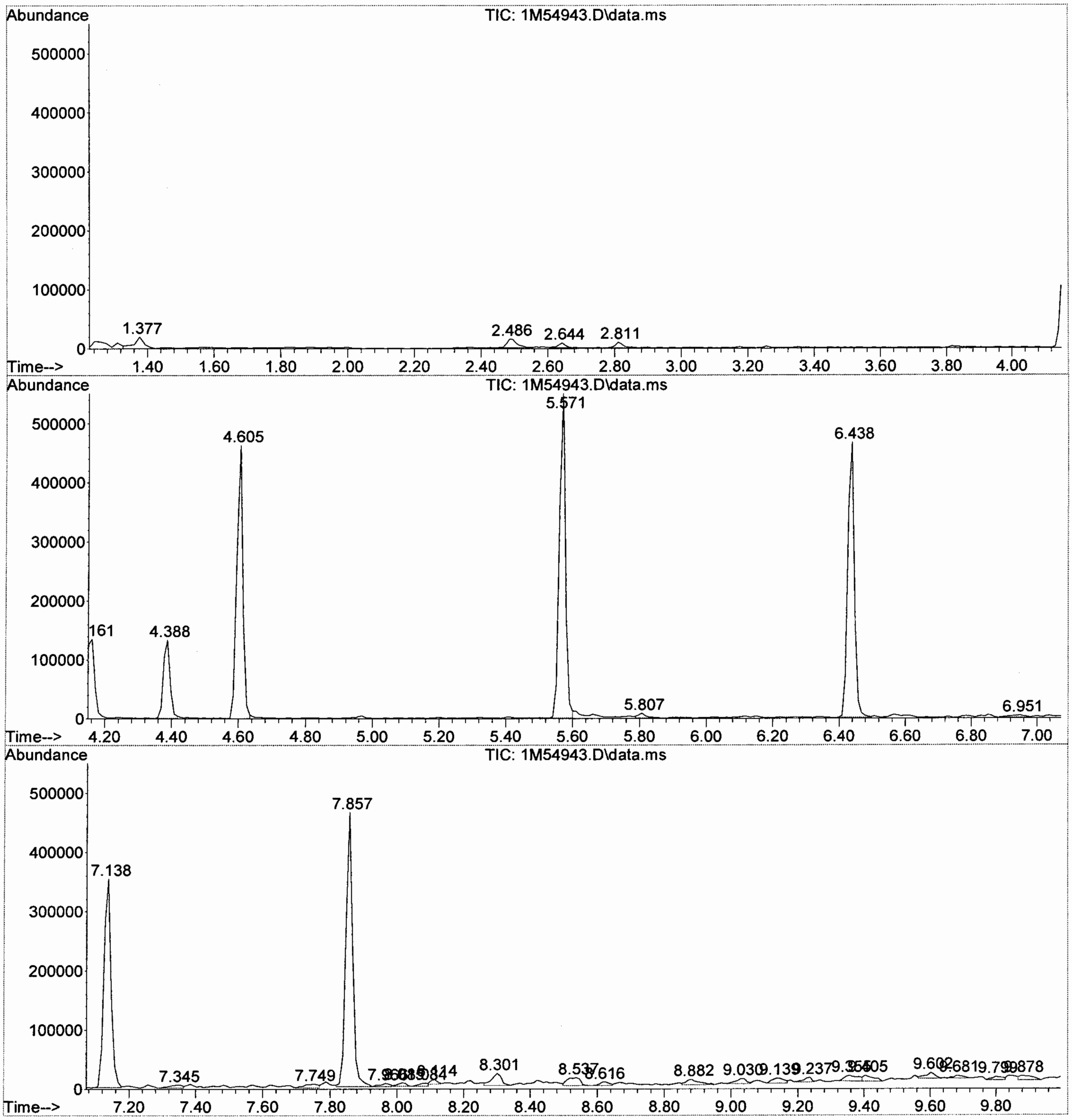
Sum of corrected areas: 3991211

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54943.D
Acq On : 10 Mar 2010 12:21
Operator : WP
Sample : AC50199-005
Misc : S,5G!7
ALS Vial : 61 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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\2010\GCMS_1\Data\03-10-10\
Data File : 1M54943.D
Acq On    : 10 Mar 2010  12:21
Operator  : WP
Sample    : AC50199-005
Misc      : S,5G!7
ALS Vial  : 61   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
  **********************************************************************
```

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-006
Client Id: PI-01-TP-RAU3030510SO1
Data File: 1M54944.D
Analysis Date: 03/10/10 12:38
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0072	U	56-23-5	Carbon Tetrachloride	0.0072	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0072	U	108-90-7	Chlorobenzene	0.0072	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0072	U	75-00-3	Chloroethane	0.0072	U
79-00-5	1,1,2-Trichloroethane	0.0072	U	67-66-3	Chloroform	0.0072	U
75-34-3	1,1-Dichloroethane	0.0072	U	74-87-3	Chloromethane	0.0072	U
75-35-4	1,1-Dichloroethene	0.0072	U	156-59-2	cis-1,2-Dichloroethene	0.0072	U
96-18-4	1,2,3-Trichloropropane	0.0072	U	10061-01-5	cis-1,3-Dichloropropene	0.0072	U
95-63-6	1,2,4-Trimethylbenzene	0.0014	U	124-48-1	Dibromochloromethane	0.0072	U
95-50-1	1,2-Dichlorobenzene	0.0072	U	75-71-8	Dichlorodifluoromethane	0.0072	U
107-06-2	1,2-Dichloroethane	0.0072	U	100-41-4	Ethylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0072	U	98-82-8	Isopropylbenzene	0.0014	U
108-67-8	1,3,5-Trimethylbenzene	0.0014	U	136777612	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0072	U	75-09-2	Methylene Chloride	0.0072	U
142-28-9	1,3-Dichloropropane	0.0072	U	1634-04-4	Methyl-t-butyl ether	0.0014	U
106-46-7	1,4-Dichlorobenzene	0.0072	U	104-51-8	n-Butylbenzene	0.0014	U
123-91-1	1,4-Dioxane	0.36	U	103-65-1	n-Propylbenzene	0.0014	U
78-93-3	2-Butanone	0.0072	U	95-47-6	o-Xylene	0.0014	U
110-75-8	2-Chloroethylvinylether	0.0072	U	135-98-8	sec-Butylbenzene	0.0014	U
591-78-6	2-Hexanone	0.0072	U	100-42-5	Styrene	0.0072	U
99-87-6	4-Isopropyltoluene	0.0014	U	75-65-0	t-Butyl Alcohol	0.036	U
108-10-1	4-Methyl-2-Pentanone	0.0072	U	98-06-6	t-Butylbenzene	0.0014	U
67-64-1	Acetone	0.036	U	127-18-4	Tetrachloroethene	0.0072	U
107-02-8	Acrolein	0.036	U	108-88-3	Toluene	0.0014	U
107-13-1	Acrylonitrile	0.0072	U	156-60-5	trans-1,2-Dichloroethene	0.0072	U
71-43-2	Benzene	0.0014	U	10061-02-6	trans-1,3-Dichloropropene	0.0072	U
75-27-4	Bromodichloromethane	0.0072	U	79-01-6	Trichloroethene	0.0072	U
75-25-2	Bromoform	0.0072	U	75-69-4	Trichlorofluoromethane	0.0072	U
74-83-9	Bromomethane	0.0072	U	75-01-4	Vinyl Chloride	0.0072	U
75-15-0	Carbon Disulfide	0.0072	U	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 145101

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:	AC50199-006	Matrix:	Soil
Client Id:	PI-01-TP-RAU3030510	Initial Vol:	5.04g
Data File:	1M54944.D	Final Vol:	NA
Analysis Date:	03/10/10 12:38	Dilution:	0.992
Date Rec/Extracted:	03/05/10-NA	Solids:	69
		Method:	EPA 8260B

Units: mg/Kg

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

Worksheet #: 145101

Total Tentativelv 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 (QT Reviewed)

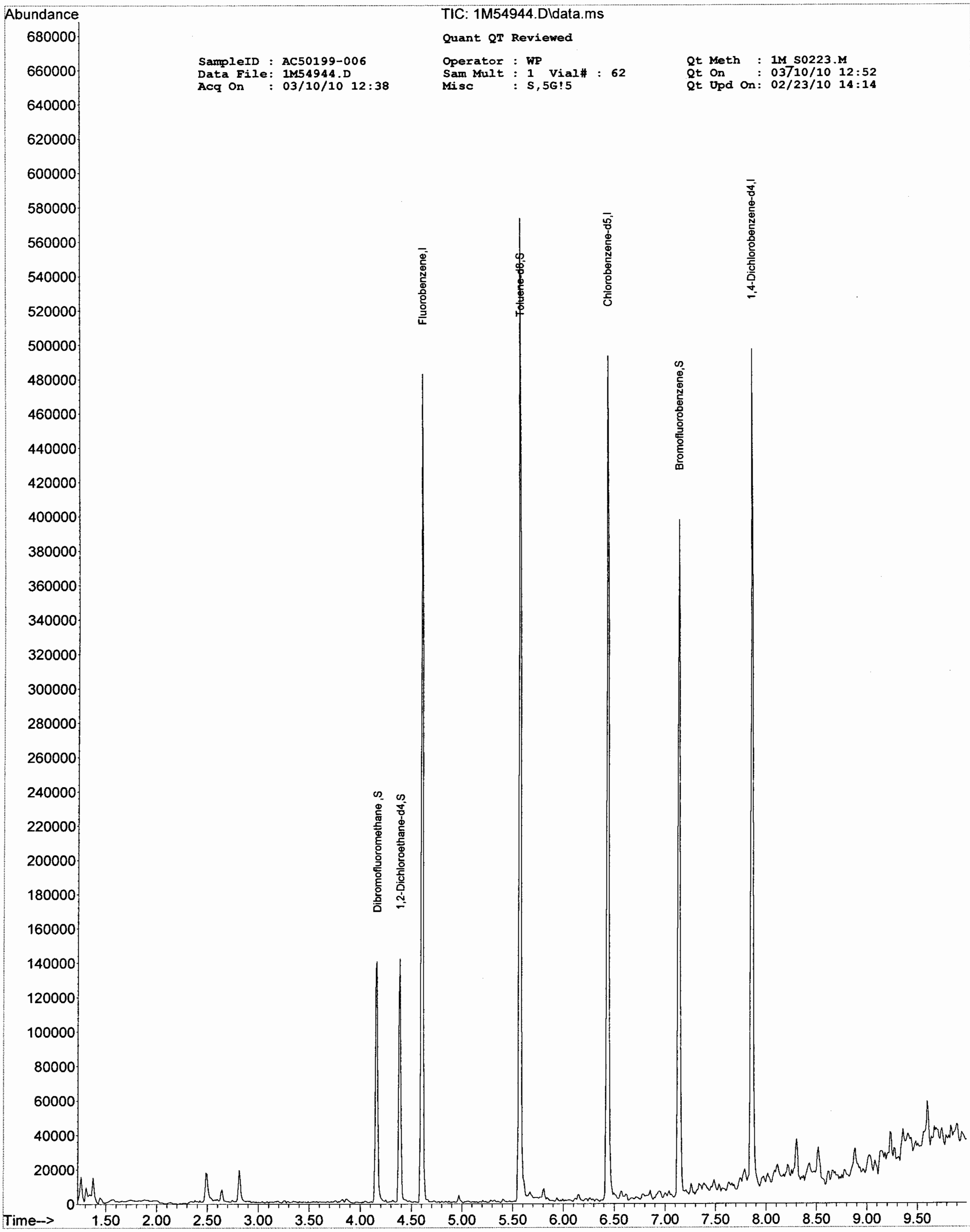
SampleID : AC50199-006 Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54944.D Sam Mult : 1 Vial# : 62 Qt On : 03/10/10 12:52
Acq On : 03/10/10 12:38 Misc : S,5G!5 Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.606	96	230550	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	196670	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	107574	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.162	111	65632	31.61 ug/l	0.00
Spiked Amount 30.000			Recovery =	105.37%	
35) 1,2-Dichloroethane-d4	4.389	102	12947	34.40 ug/l	0.00
Spiked Amount 30.000			Recovery =	114.67%	
59) Toluene-d8	5.572	100	156133	26.45 ug/l	0.00
Spiked Amount 30.000			Recovery =	88.17%	
67) Bromofluorobenzene	7.139	174	93388	29.28 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.60%	
Target Compounds					Qvalue
No Library Search Compounds Found					

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

lw


Abundance
TIC: 1M54944.D\data.ms
Quant QT Reviewed
SampleID : AC50199-006
Data File: 1M54944.D
Acq On : 03/10/10 12:38
Operator : WP
Sam Mult : 1 Vial# : 62
Misc : S,5G!5
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 12:52
Qt Upd On: 02/23/10 14:14
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
1,4-Dichlorobenzene-d4,I
Bromofluorobenzene,S
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54944.D
Acq On : 10 Mar 2010 12:38
Operator : WP
Sample : AC50199-006
Misc : S,5G!5
ALS Vial : 62 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54944.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	9	rBV	8427	20636	2.80%	0.464%
2	1.377	9	10	13	rVB	14966	20231	2.75%	0.455%
3	2.487	79	82	89	rBV	17074	36213	4.92%	0.815%
4	2.812	112	115	122	rVB	18252	29058	3.95%	0.654%
5	4.162	248	252	260	rBV	139976	226841	30.81%	5.102%
6	4.389	271	275	278	rBV	141293	195298	26.53%	4.393%
7	4.606	293	297	300	rBV	482336	603511	81.97%	13.575%
8	5.572	391	395	398	rBV	572427	736236	100.00%	16.561%
9	6.439	479	483	488	rBV	490651	706064	95.90%	15.882%
10	6.942	528	534	537	rBV4	5036	16320	2.22%	0.367%
11	7.139	550	554	558	rBV	393575	591285	80.31%	13.300%
12	7.336	570	574	577	rBV5	6160	15484	2.10%	0.348%
13	7.484	584	589	592	rBV4	6184	11937	1.62%	0.269%
14	7.750	611	616	617	rBV3	6579	14044	1.91%	0.316%
15	7.789	617	620	623	rVV4	10817	25497	3.46%	0.574%
16	7.858	623	627	635	rVB	487573	715982	97.25%	16.105%
17	7.976	635	639	641	rBV4	5890	14251	1.94%	0.321%
18	8.085	647	650	651	rBV2	7022	12678	1.72%	0.285%
19	8.114	651	653	657	rVB5	7822	14732	2.00%	0.331%
20	8.213	660	663	666	rBV5	7230	12079	1.64%	0.272%
21	8.302	668	672	676	rVB3	24001	45305	6.15%	1.019%
22	8.430	680	685	688	rBV7	10427	30793	4.18%	0.693%
23	8.518	691	694	698	rVB3	18219	34038	4.62%	0.766%
24	8.617	701	704	706	rBV3	7768	13993	1.90%	0.315%
25	8.666	706	709	712	rVV4	5728	14673	1.99%	0.330%
26	8.883	725	731	737	rBV5	16472	51059	6.94%	1.149%
27	9.021	741	745	749	rBV6	10593	29812	4.05%	0.671%
28	9.080	749	751	754	rVB4	8435	14327	1.95%	0.322%
29	9.139	754	757	760	rBV5	13926	41678	5.66%	0.937%
30	9.228	765	766	769	rVB3	14227	17853	2.42%	0.402%
31	9.356	776	779	781	rBV4	18649	38141	5.18%	0.858%
32	9.563	798	800	801	rBV2	8440	12832	1.74%	0.289%
33	9.603	801	804	807	rVB2	26014	42658	5.79%	0.960%
34	9.750	817	819	822	rVB4	9999	15466	2.10%	0.348%
35	9.898	830	834	837	rVB5	10527	24706	3.36%	0.556%

LSC Area Percent Report

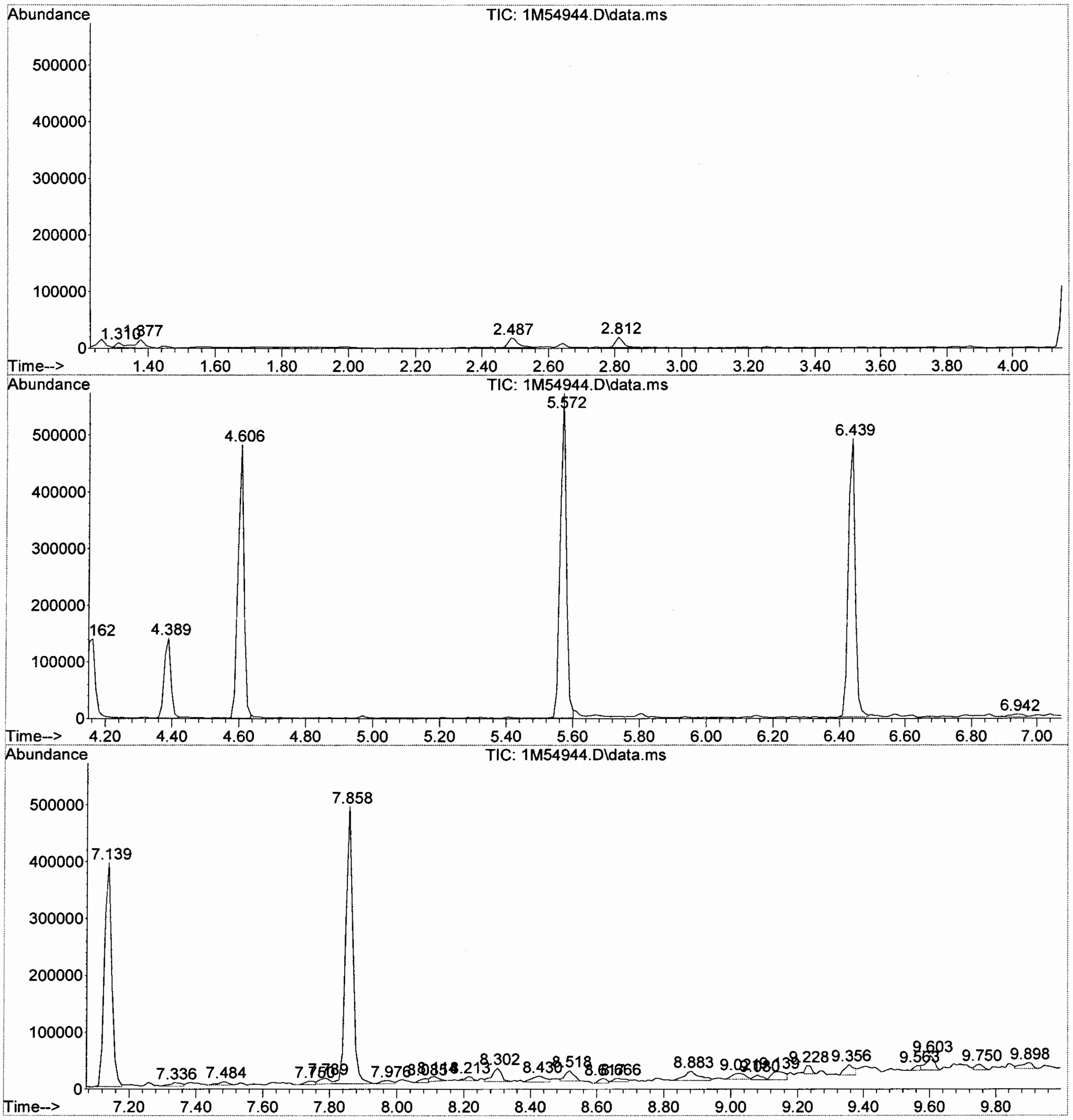
```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54944.D
Acq On    : 10 Mar 2010  12:38
Operator  : WP
Sample    : AC50199-006
Misc      : S,5G!5
ALS Vial  : 62   Sample Multiplier: 1

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\2010\GCMS_1\MethodQt\1M_S0223.M
Title     : @GCMS_1,ug,624,8260


                      Sum of corrected areas:     4445711
```

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54944.D
Acq On : 10 Mar 2010 12:38
Operator : WP
Sample : AC50199-006
Misc : S,5G!5
ALS Vial : 62 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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\2010\GCMS_1\Data\03-10-10\
Data File : 1M54944.D
Acq On : 10 Mar 2010 12:38
Operator : WP
Sample : AC50199-006
Misc : S,5G!5
ALS Vial : 62 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

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

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC50199-007
Client Id: PI-01-TP-RAS2030510SO1
Data File: 1M54947.D
Analysis Date: 03/10/10 13:26
Date Rec/Extracted: 03/05/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.05g
Final Vol: NA
Dilution: 0.990
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0064	U	56-23-5	Carbon Tetrachloride	0.0064	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0064	U	108-90-7	Chlorobenzene	0.0064	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0064	U	75-00-3	Chloroethane	0.0064	U
79-00-5	1,1,2-Trichloroethane	0.0064	U	67-66-3	Chloroform	0.0064	U
75-34-3	1,1-Dichloroethane	0.0064	U	74-87-3	Chloromethane	0.0064	U
75-35-4	1,1-Dichloroethene	0.0064	U	156-59-2	cis-1,2-Dichloroethene	0.0064	U
96-18-4	1,2,3-Trichloropropane	0.0064	U	10061-01-5	cis-1,3-Dichloropropene	0.0064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0013**	**0.011**	124-48-1	Dibromochloromethane	0.0064	U
95-50-1	1,2-Dichlorobenzene	0.0064	U	75-71-8	Dichlorodifluoromethane	0.0064	U
107-06-2	1,2-Dichloroethane	0.0064	U	100-41-4	Ethylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0064	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.0078**
108-67-8	1,3,5-Trimethylbenzene	0.0013	U	136777612	m&p-Xylenes	0.0013	U
541-73-1	1,3-Dichlorobenzene	0.0064	U	75-09-2	Methylene Chloride	0.0064	U
142-28-9	1,3-Dichloropropane	0.0064	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
106-46-7	1,4-Dichlorobenzene	0.0064	U	**104-51-8**	**n-Butylbenzene**	**0.0013**	**0.016**
123-91-1	1,4-Dioxane	0.32	U	**103-65-1**	**n-Propylbenzene**	**0.0013**	**0.011**
78-93-3	2-Butanone	0.0064	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.0021**
110-75-8	2-Chloroethylvinylether	0.0064	U	**135-98-8**	**sec-Butylbenzene**	**0.0013**	**0.0069**
591-78-6	2-Hexanone	0.0064	U	100-42-5	Styrene	0.0064	U
99-87-6	**4-Isopropyltoluene**	**0.0013**	**0.0026**	75-65-0	t-Butyl Alcohol	0.032	U
108-10-1	4-Methyl-2-Pentanone	0.0064	U	98-06-6	t-Butylbenzene	0.0013	U
67-64-1	Acetone	0.032	U	127-18-4	Tetrachloroethene	0.0064	U
107-02-8	Acrolein	0.032	U	108-88-3	Toluene	0.0013	U
107-13-1	Acrylonitrile	0.0064	U	156-60-5	trans-1,2-Dichloroethene	0.0064	U
71-43-2	Benzene	0.0013	U	10061-02-6	trans-1,3-Dichloropropene	0.0064	U
75-27-4	Bromodichloromethane	0.0064	U	79-01-6	Trichloroethene	0.0064	U
75-25-2	Bromoform	0.0064	U	75-69-4	Trichlorofluoromethane	0.0064	U
74-83-9	Bromomethane	0.0064	U	75-01-4	Vinyl Chloride	0.0064	U
75-15-0	Carbon Disulfide	0.0064	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.0021**

Worksheet #: 145101

Total Target Concentration 0.057

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: AC50199-007
Client Id: PI-01-TP-RAS2030510
Data File: 1M54947.D
Analysis Date: 03/10/10 13:26
Date Rec/Extracted: 03/05/10-NA

Matrix: Soil
Initial Vol: 5.05g
Final Vol: NA
Dilution: 0.990
Solids: 77
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	5502-88-5	Cyclohexene, 1-methyl-4-(1-methylethyl)	7.39	0.25 J
2	7058-01-7	Cyclohexane, (1-methylpropyl)-	7.77	0.34 J
3	53366-38-4	Cyclopentane, (2-methylbutyl)-	7.98	0.20 J
4	176-63-6	Spiro[4.5]decane	8.11	0.45 J
5		unknown	8.22	0.23 J
6	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.29	0.40 J
7	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.41 J
8		unknown	8.52	0.25 J
9	17301-23-4	Undecane, 2,6-dimethyl-	8.88	0.31 J
10	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.20	0.25 J

Worksheet #: 145101

Total Tentativelv Identified Concentration 3.1

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)

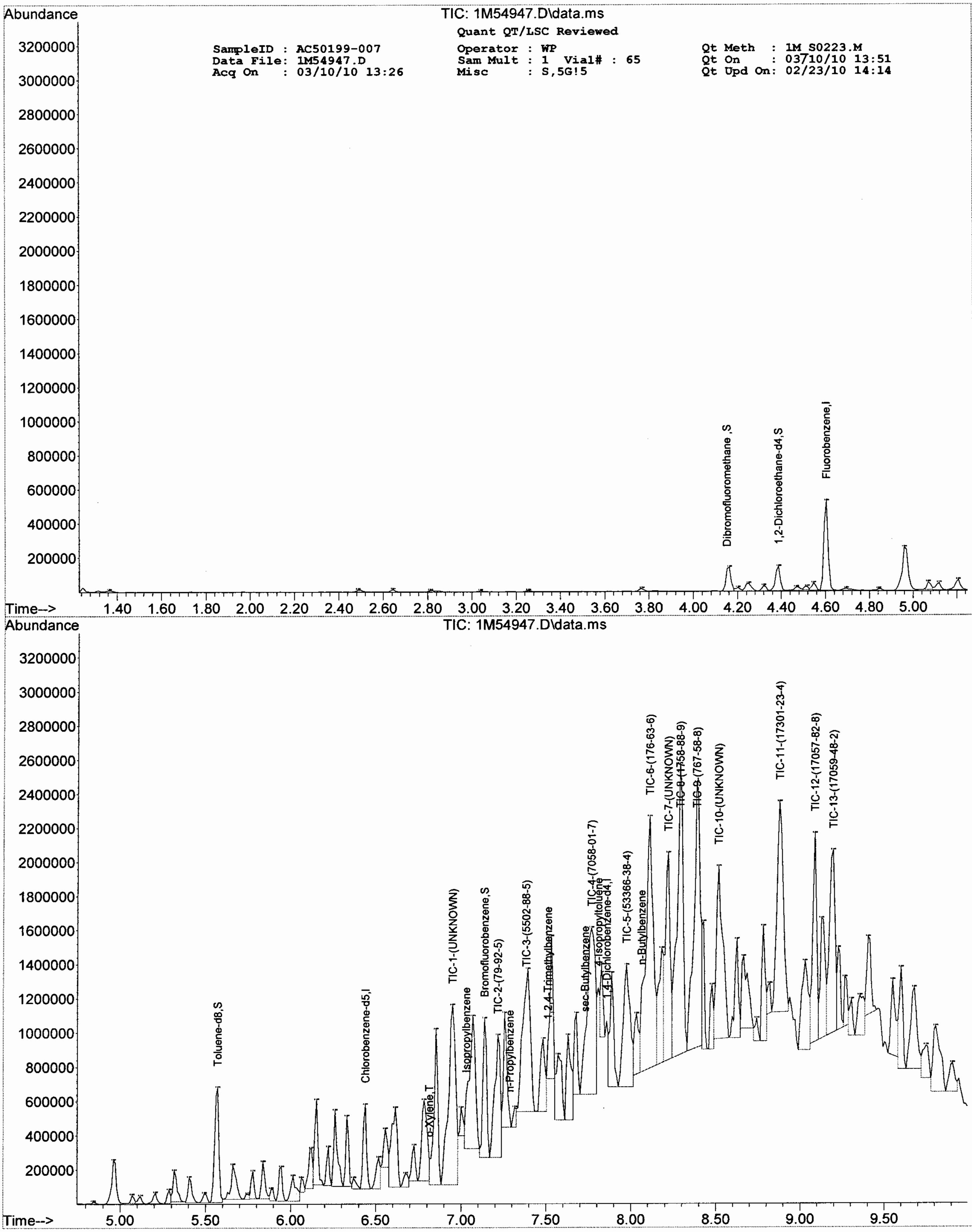
SampleID : AC50199-007 Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54947.D Sam Mult : 1 Vial# : 65 Qt On : 03/10/10 13:51
Acq On : 03/10/10 13:26 Misc : S,5G!5 Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

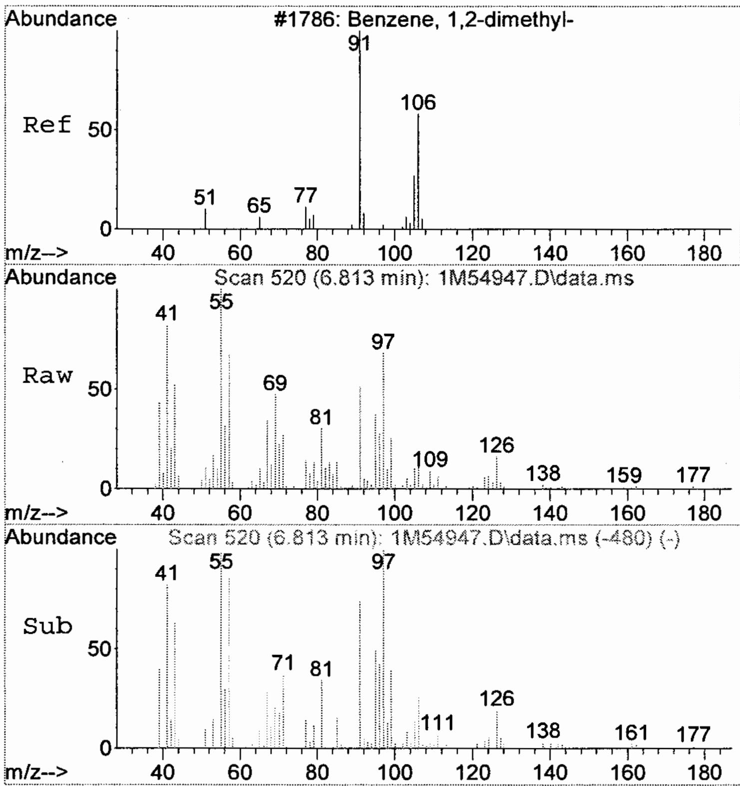
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.606	96	242741	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	184522	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	89535	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.152	111	64784	29.64 ug/l	-0.02
Spiked Amount 30.000			Recovery =	98.80%	
35) 1,2-Dichloroethane-d4	4.389	102	12656	31.94 ug/l	0.00
Spiked Amount 30.000			Recovery =	106.47%	
59) Toluene-d8	5.572	100	165065	29.80 ug/l	0.00
Spiked Amount 30.000			Recovery =	99.33%	
67) Bromofluorobenzene	7.139	174	80661	30.38 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.27%	
Target Compounds					Qvalue
70) o-Xylene	6.813	106	6806	1.60 ug/l	79
75) Isopropylbenzene	7.030	105	69974	6.05 ug/l	91
81) n-Propylbenzene	7.287	91	124041	8.57 ug/l	95
85) 1,2,4-Trimethylbenzene	7.513	105	83500	8.37 ug/l	76
86) sec-Butylbenzene	7.730	105	66627	5.36 ug/l	74
87) 4-Isopropyltoluene	7.809	119	20949m	2.01 ug/l	
88) n-Butylbenzene	8.065	91	155604m	12.14 ug/l	
Library Search Internal Standards TIC Results					
1) Fluorobenzene	4.606		688677	30.00 ug/l	--
2) Chlorobenzene-d5	6.439		696125	30.00 ug/l	--
3) 1,4-Dichlorobenzene-d4	7.858		399865m	30.00 ug/l	--
Library Search Compounds					
1) UNKNOWN	6.950		3167576	136.51 ug/l	--
2) 79-92-5	7.220		1690444	126.83 ug/l	89
3) 5502-88-5	7.390		2620029	196.57 ug/l	68
4) 7058-01-7	7.770		3525314	264.49 ug/l	38
5) 53366-38-4	7.980		2116163	158.77 ug/l	52
6) 176-63-6	8.110		4648609	348.76 ug/l	94
7) UNKNOWN	8.220		2341574	175.68 ug/l	--
8) 1758-88-9	8.290		4153951	311.65 ug/l	94
9) 767-58-8	8.390		4260208	319.62 ug/l	81
10) UNKNOWN	8.520		2634131	197.63 ug/l	--
11) 17301-23-4	8.880		3237343	242.88 ug/l	50
12) 17057-82-8	9.090		1995843	149.74 ug/l	78
13) 17059-48-2	9.200		2541172	190.65 ug/l	58

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

Ww



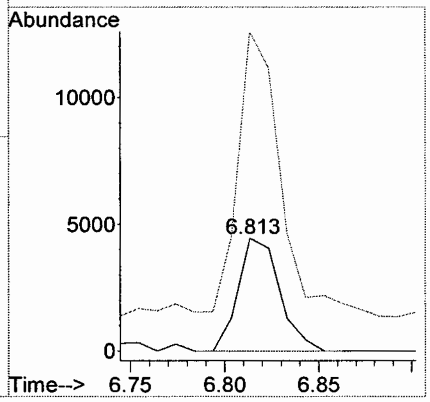
Abundance
TIC: 1M54947.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-007
Data File: 1M54947.D
Acq On : 03/10/10 13:26
Operator : WP
Sam Mult : 1 Vial# : 65
Misc : S,5G!5
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 13:51
Qt Upd On: 02/23/10 14:14
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->
Toluene-d8,S
Chlorobenzene-d5,I
p-Xylene,T
TIC-1-(UNKNOWN)
Isopropylbenzene
Bromofluorobenzene,S
TIC-2-(79-92-5)
n-Propylbenzene
TIC-3-(5502-88-5)
1,2,4-Trimethylbenzene
sec-Butylbenzene
TIC-4-(7058-01-7)
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
TIC-5-(53366-38-4)
n-Butylbenzene
TIC-6-(176-63-6)
TIC-7-(UNKNOWN)
TIC-8-(1758-88-9)
TIC-9-(767-58-8)
TIC-10-(UNKNOWN)
TIC-11-(17301-23-4)
TIC-12-(17057-82-8)
TIC-13-(17059-48-2)

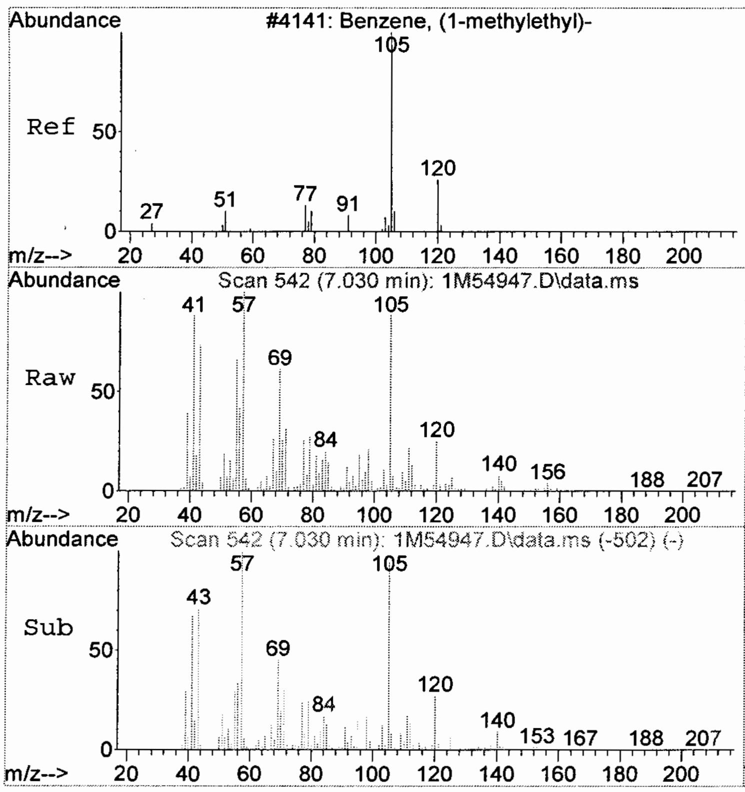


#70
o-Xylene
Concen: 1.60 ug/l
RT: 6.813 min Scan# 520
Delta R.T. -0.009 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion:106 Resp: 6806

Ion	Ratio	Lower	Upper
106	100		
91	248.6	129.1	301.1

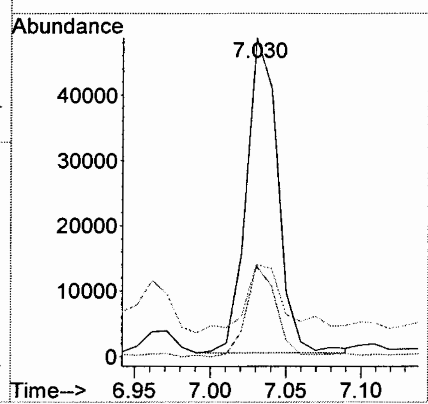


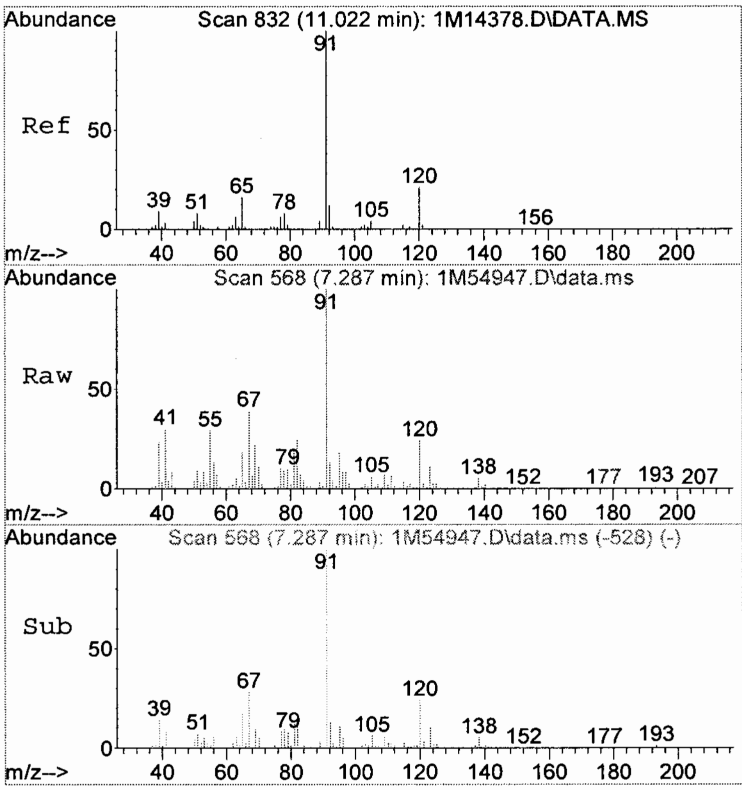


#75
Isopropylbenzene
Concen: 6.05 ug/l
RT: 7.030 min Scan# 542
Delta R.T. -0.009 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion:105 Resp: 69974

Ion	Ratio	Lower	Upper
105	100		
120	27.1	0.0	66.9
77	28.3	0.0	58.3

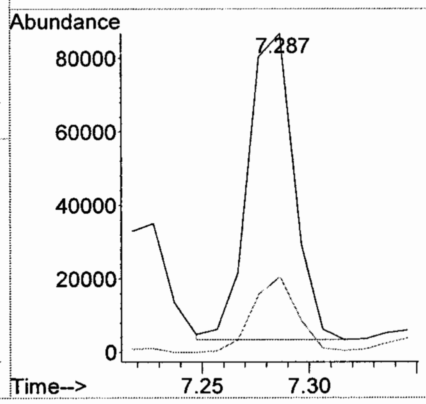


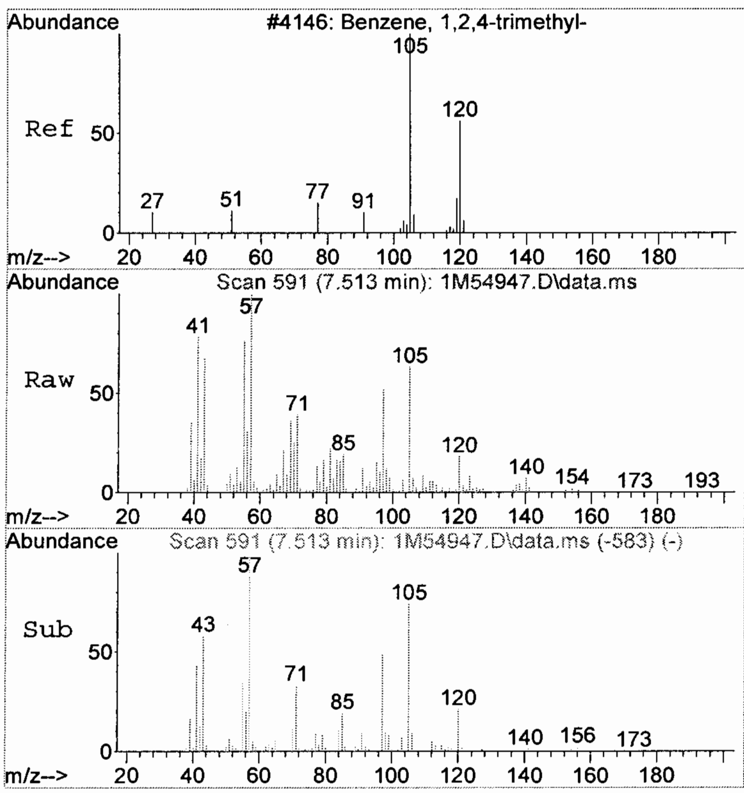


#81
n-Propylbenzene
Concen: 8.57 ug/l
RT: 7.287 min Scan# 568
Delta R.T. -0.009 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion: 91 Resp: 124041

Ion	Ratio	Lower	Upper
91	100		
120	24.0	0.0	61.6

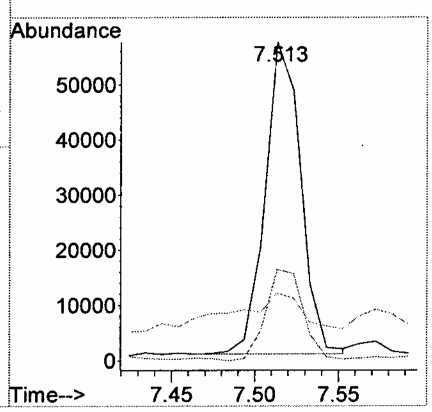


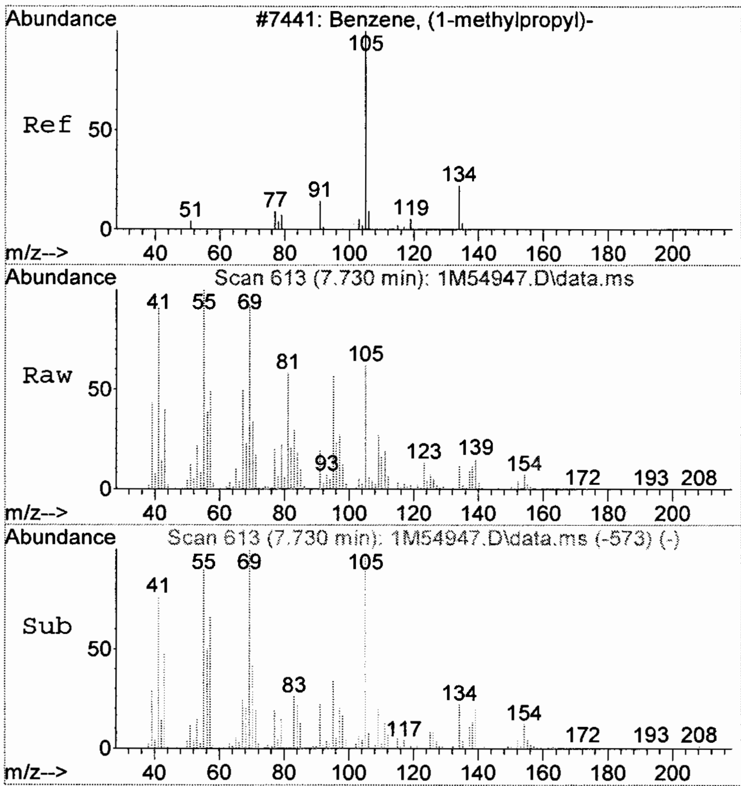


#85
1,2,4-Trimethylbenzene
Concen: 8.37 ug/l
RT: 7.513 min Scan# 591
Delta R.T. -0.117 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion:105 Resp: 83500

Ion	Ratio	Lower	Upper
105	100		
120	30.9	12.2	92.2
77	19.5	0.0	66.0

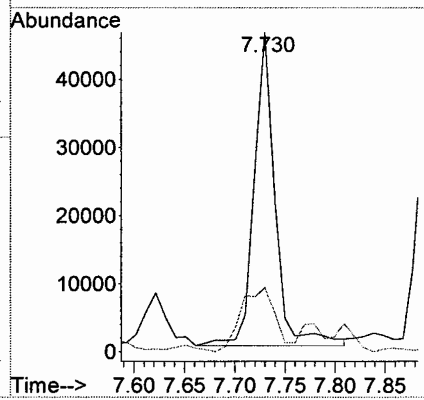


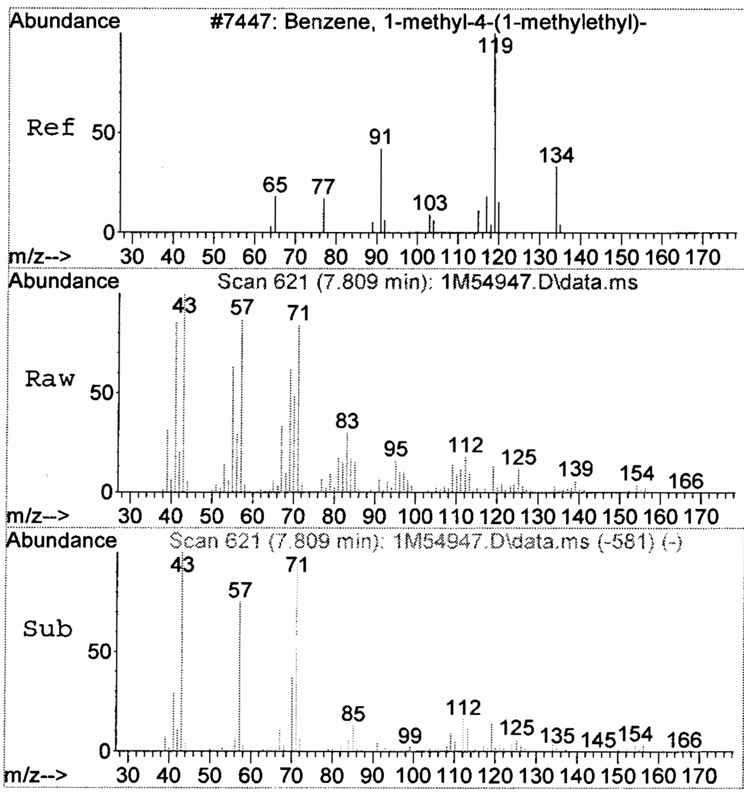


#86
sec-Butylbenzene
Concen: 5.36 ug/l
RT: 7.730 min Scan# 613
Delta R.T. -0.009 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion:105 Resp: 66627

Ion	Ratio	Lower	Upper
105	100		
134	34.0	0.0	61.8

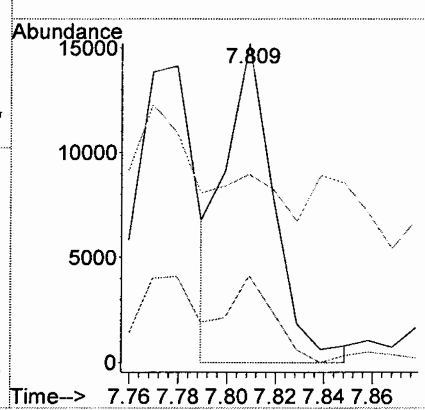


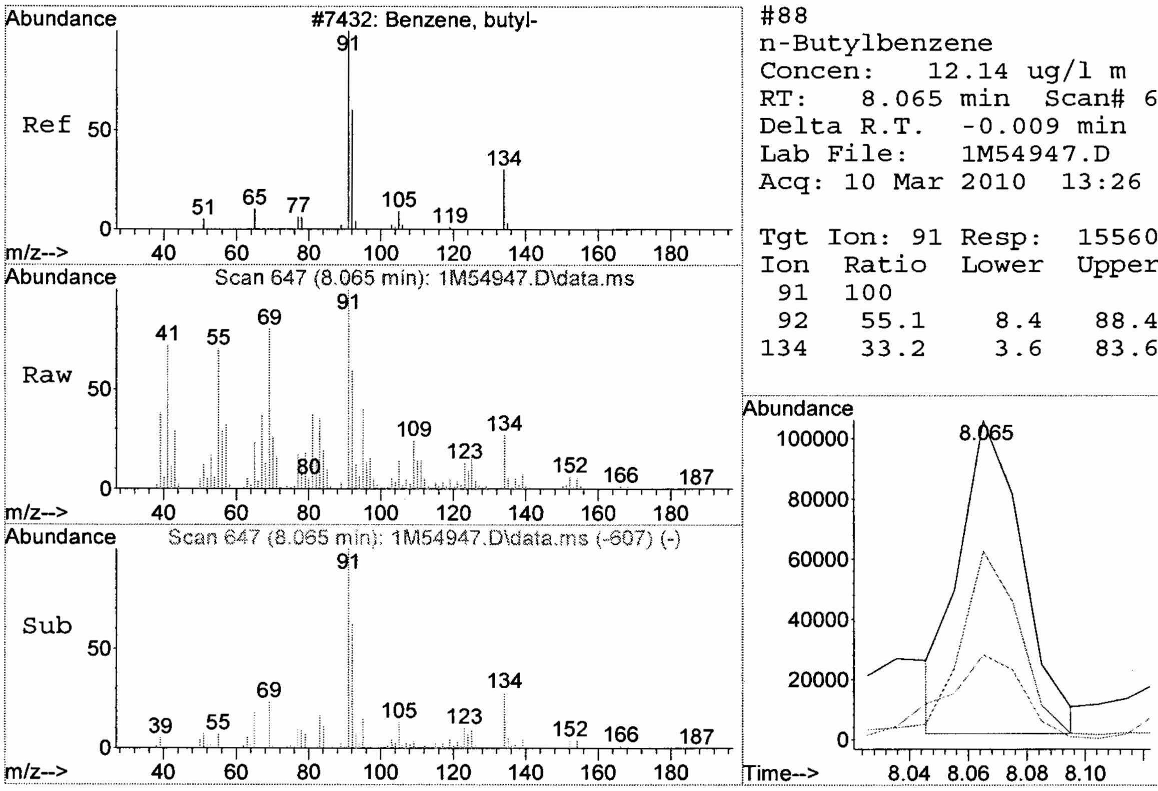


#87
4-Isopropyltoluene
Concen: 2.01 ug/l m
RT: 7.809 min Scan# 621
Delta R.T. -0.008 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion:119 Resp: 20949

Ion	Ratio	Lower	Upper
119	100		
134	17.1	0.0	66.7
91	55.7	0.0	66.3





#88
n-Butylbenzene
Concen: 12.14 ug/l m
RT: 8.065 min Scan# 647
Delta R.T. -0.009 min
Lab File: 1M54947.D
Acq: 10 Mar 2010 13:26

Tgt Ion: 91 Resp: 155604

Ion	Ratio	Lower	Upper
91	100		
92	55.1	8.4	88.4
134	33.2	3.6	83.6

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.364	7	9	13	rVB	9878	24508	0.53%	0.030%
2	2.487	77	81	87	rBV2	12040	23851	0.51%	0.030%
3	2.644	94	97	101	rVB	13053	17286	0.37%	0.021%
4	2.812	111	114	116	rBV2	7308	13177	0.28%	0.016%
5	3.039	132	137	141	rBV2	5766	9680	0.21%	0.012%
6	3.256	155	159	162	rBV2	5624	9377	0.20%	0.012%
7	3.768	207	211	215	rBV	15359	25569	0.55%	0.032%
8	4.162	247	251	253	rBV	138995	218097	4.69%	0.270%
9	4.202	253	255	257	rVV	20217	27410	0.59%	0.034%
10	4.251	257	260	264	rVB2	43753	83912	1.81%	0.104%
11	4.320	264	267	270	rBV	30824	42722	0.92%	0.053%
12	4.389	270	274	277	rVB	140737	207965	4.47%	0.257%
13	4.468	277	282	285	rBV4	19653	41171	0.89%	0.051%
14	4.517	285	287	288	rVV	20801	27809	0.60%	0.034%
15	4.547	288	290	293	rVB	42136	52222	1.12%	0.065%
16	4.606	293	296	299	rBV	522898	686748	14.77%	0.850%
17	4.694	301	305	311	rVB2	12175	29197	0.63%	0.036%
18	4.842	319	320	323	rVB	11501	15410	0.33%	0.019%
19	4.961	327	332	338	rBV	253441	487063	10.48%	0.603%
20	5.069	341	343	345	rBV	44179	57262	1.23%	0.071%
21	5.118	345	348	352	rVB2	42827	63611	1.37%	0.079%
22	5.207	352	357	361	rBV2	59998	102895	2.21%	0.127%
23	5.286	361	365	366	rBV	76763	107650	2.32%	0.133%
24	5.315	366	368	375	rVB2	179003	296012	6.37%	0.366%
25	5.404	375	377	383	rVB	144068	229540	4.94%	0.284%
26	5.493	383	386	389	rBV3	51776	91811	1.98%	0.114%
27	5.572	389	394	397	rBV2	668433	1182783	25.44%	1.464%
28	5.660	397	403	409	rVB3	198081	434067	9.34%	0.537%
29	5.749	409	412	413	rBV	30065	52841	1.14%	0.065%
30	5.779	413	415	418	rVB	158051	194949	4.19%	0.241%
31	5.838	418	421	425	rBV2	212909	311323	6.70%	0.385%
32	5.887	425	426	429	rVB2	66754	88288	1.90%	0.109%
33	5.946	429	432	435	rVB	197340	297315	6.40%	0.368%
34	6.015	435	439	443	rBV3	144630	343705	7.39%	0.426%
35	6.064	443	444	446	rBV2	81676	103193	2.22%	0.128%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

36	6.124	446	450	451	rBV2	231062	419314	9.02%	0.519%
37	6.153	451	453	457	rVB	494344	645575	13.89%	0.799%
38	6.222	457	460	462	rVB2	222107	253152	5.45%	0.313%
39	6.262	462	464	469	rVB2	441146	665205	14.31%	0.824%
40	6.331	469	471	474	rBV	407160	488480	10.51%	0.605%
41	6.370	474	475	479	rVB3	60400	84293	1.81%	0.104%
42	6.439	479	482	485	rVB	489870	696125	14.97%	0.862%
43	6.518	485	490	491	rBV2	181796	330803	7.12%	0.410%
44	6.557	491	494	496	rBV2	220496	359205	7.73%	0.445%
45	6.616	496	500	503	rVB3	460320	1092276	23.50%	1.352%
46	6.675	503	506	508	rBV3	76998	159034	3.42%	0.197%
47	6.725	508	511	513	rVB	206755	292183	6.29%	0.362%
48	6.784	513	517	520	rBV2	470611	1089938	23.45%	1.349%
49	6.853	520	524	527	rVB2	906088	1475969	31.75%	1.827%
50	6.951	527	534	537	rBV3	1046763	3167576	68.14%	3.922%
51	7.001	537	539	541	rBV3	160819	205682	4.42%	0.255%
52	7.070	541	546	550	rVB3	771113	2044133	43.97%	2.531%
53	7.139	550	553	556	rVB2	808858	1276088	27.45%	1.580%
54	7.218	556	561	563	rBV3	711578	1690444	36.36%	2.093%
55	7.257	563	565	569	rVB2	663410	965068	20.76%	1.195%
56	7.316	569	571	572	rBV2	114901	168204	3.62%	0.208%
57	7.395	572	579	584	rVB6	830364	2620029	56.36%	3.244%
58	7.484	584	588	590	rBV3	422968	845957	18.20%	1.047%
59	7.533	590	593	595	rBV2	830745	1171735	25.21%	1.451%
60	7.572	595	597	601	rVB5	379908	855347	18.40%	1.059%
61	7.631	601	603	606	rBV3	492453	1019450	21.93%	1.262%
62	7.681	606	608	610	rVB	470763	615428	13.24%	0.762%
63	7.769	610	617	620	rBV4	970637	3525314	75.84%	4.365%
64	7.829	622	623	625	rVB2	421365	366164	7.88%	0.453%
65	7.888	627	629	633	rVB	663783	976850	21.01%	1.209%
66	7.976	633	638	642	rBV3	711425	2116163	45.52%	2.620%
67	8.036	642	644	646	rVV2	356583	677180	14.57%	0.838%
68	8.114	646	652	656	rVV4	1488684	4648609	100.00%	5.755%
69	8.183	656	659	660	rVV	675052	1325295	28.51%	1.641%
70	8.223	660	663	665	rVV	1215981	2341574	50.37%	2.899%
71	8.292	665	670	674	rVV3	1707920	4153951	89.36%	5.143%
72	8.390	674	680	683	rVV3	1560978	4260208	91.64%	5.275%
73	8.430	683	684	686	rVB2	745900	499119	10.74%	0.618%
74	8.479	686	689	690	rBV2	375569	525430	11.30%	0.651%
75	8.519	690	693	699	rVB3	1007514	2634131	56.66%	3.261%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

76	8.627	699	704	706	rBV2	576112	928553	19.97%	1.150%
77	8.666	706	708	714	rVB4	421857	1125700	24.22%	1.394%
78	8.745	714	716	718	rVB2	132775	160425	3.45%	0.199%
79	8.785	718	720	722	rBV	671608	1043178	22.44%	1.292%
80	8.824	722	724	725	rVV	169292	209935	4.52%	0.260%
81	8.883	725	730	735	rVV4	1232013	3237343	69.64%	4.008%
82	9.031	741	745	748	rBV4	518954	1496929	32.20%	1.853%
83	9.090	748	751	753	rVV	1228644	1995843	42.93%	2.471%
84	9.130	753	755	758	rVV3	702118	1462514	31.46%	1.811%
85	9.199	758	762	764	rVV2	1073101	2541172	54.67%	3.146%
86	9.228	764	765	768	rVV	475308	595049	12.80%	0.737%
87	9.268	768	769	771	rVV2	284621	380004	8.17%	0.470%
88	9.307	771	773	775	rVB	212374	270615	5.82%	0.335%
89	9.356	775	778	781	rBV4	234654	681645	14.66%	0.844%
90	9.406	781	783	788	rVB6	433394	824148	17.73%	1.020%
91	9.553	795	798	801	rBV3	430738	879973	18.93%	1.089%
92	9.603	801	803	806	rVB3	593531	848524	18.25%	1.051%
93	9.681	806	811	815	rBV4	475523	1287447	27.70%	1.594%
94	9.750	815	818	821	rVB4	191925	468926	10.09%	0.581%
95	9.810	821	824	830	rVB4	381910	1152741	24.80%	1.427%
96	9.908	830	834	837	rBV5	168769	431663	9.29%	0.534%

Sum of corrected areas: 80769427

LSC Report - Integrated Chromatogram

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Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On    : 10 Mar 2010  13:26
Operator  : WP
Sample    : AC50199-007
Misc      : S,5G!5
ALS Vial  : 65   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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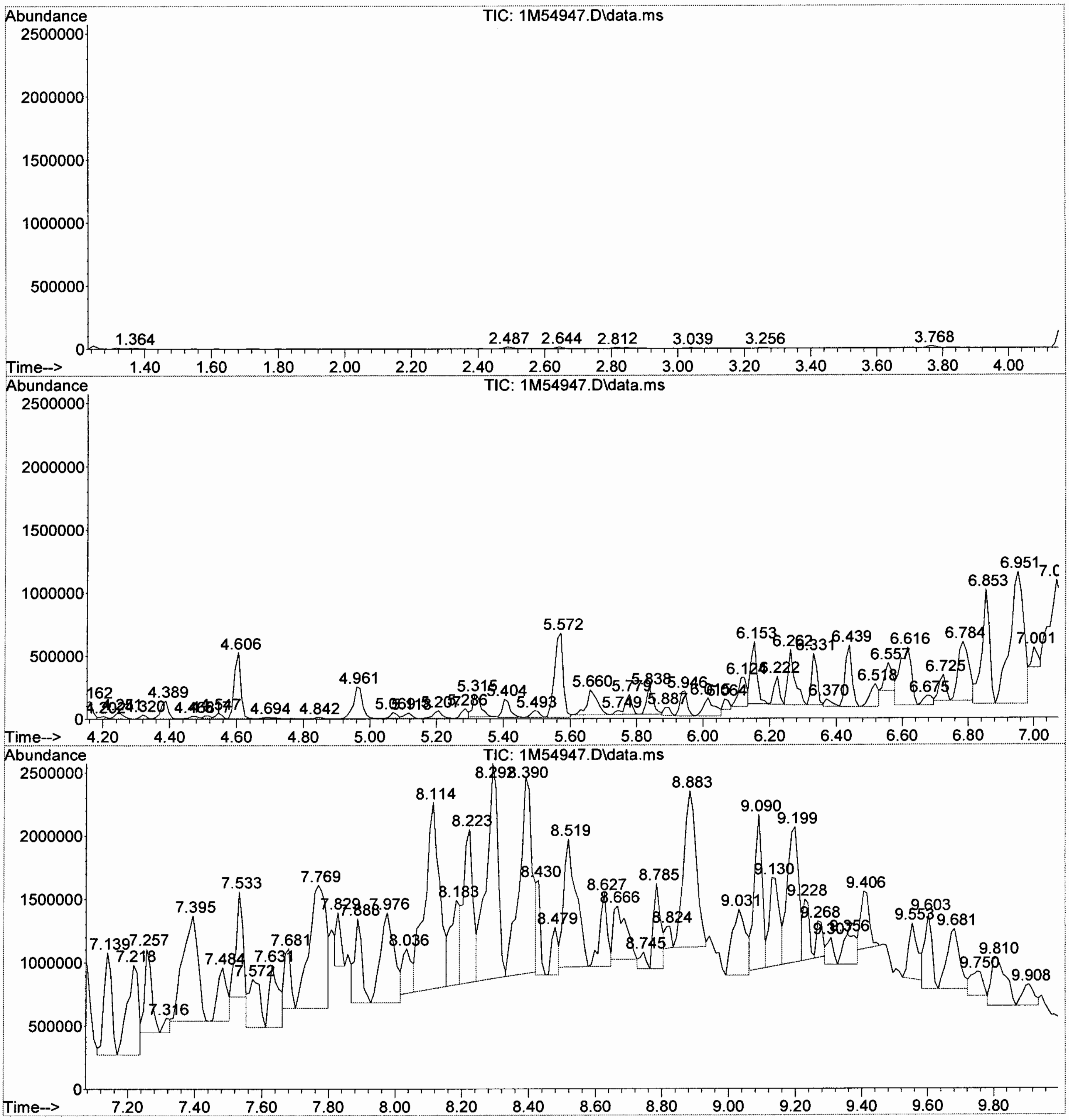


Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

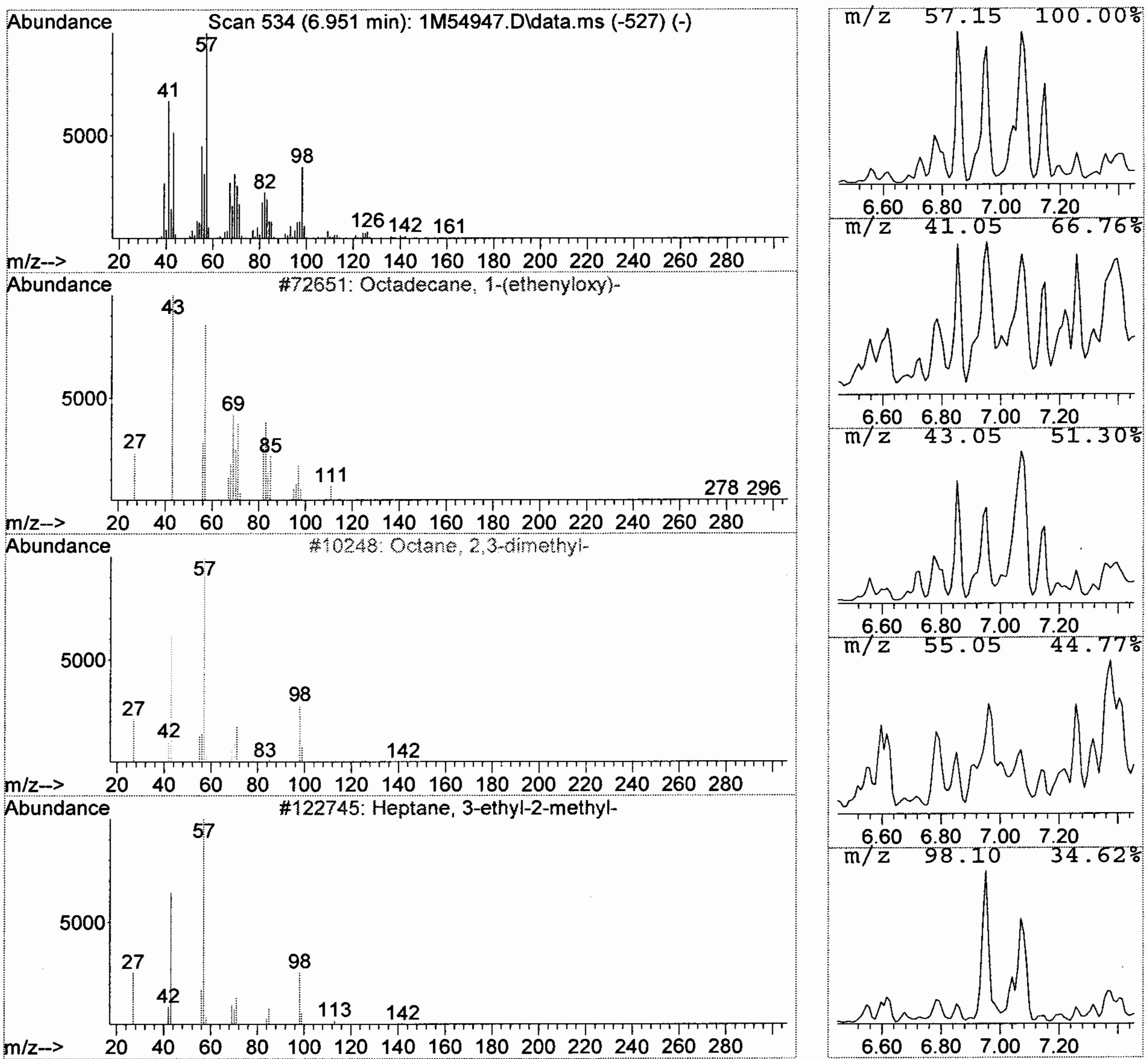
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

Peak Number 1 unknown — Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	136.51 ug/l	3167576	LibIS-Chlorobenzene-d5	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	27
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	27
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27
4	1-Eicosanol	298	C20H42O	000629-96-9	14
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	11



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

****
Peak Number 2 Camphene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	126.83 ug/l	1690444	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	89
2	Camphene	136	C10H16	000079-92-5	93
3	Camphene	136	C10H16	000079-92-5	90
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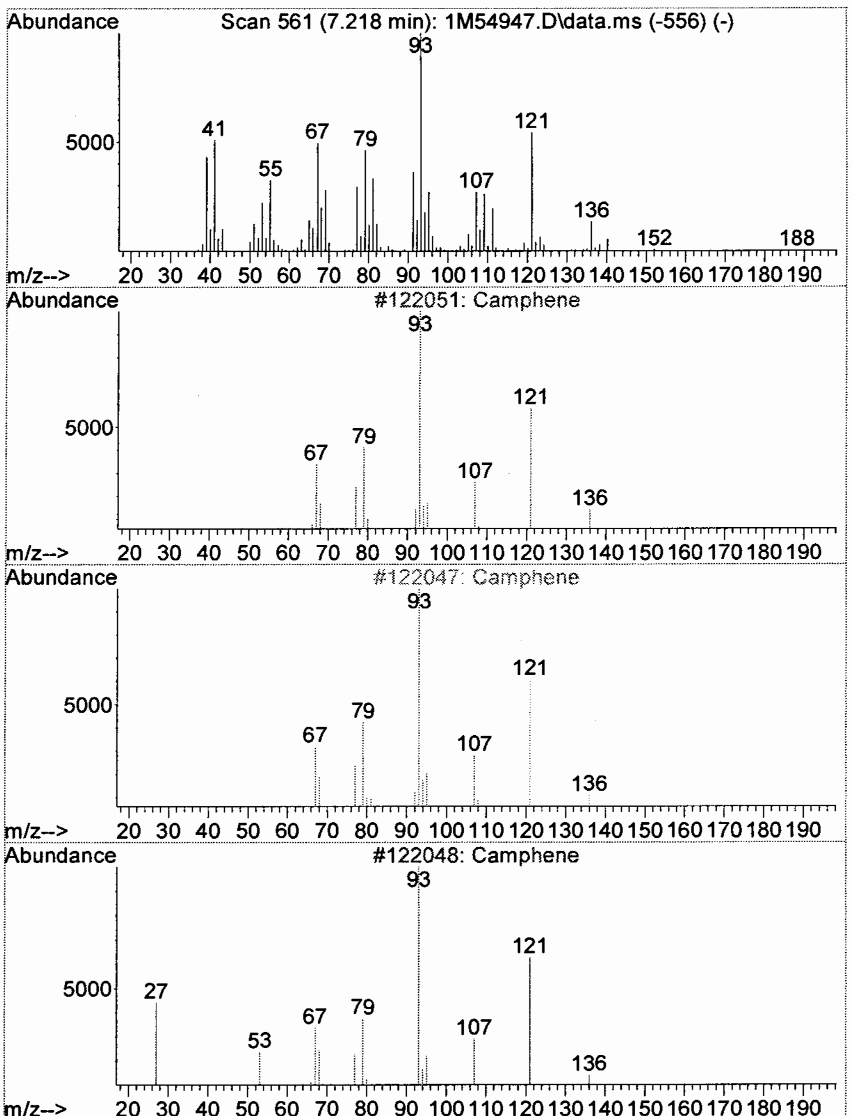
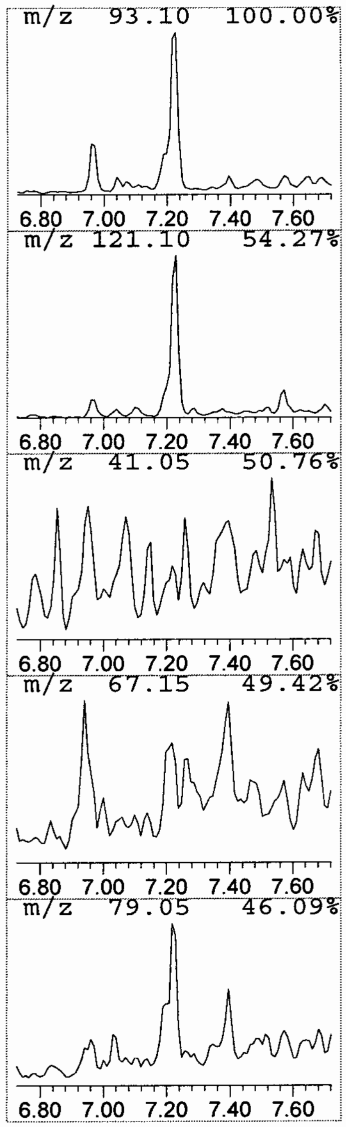
5	Camphene	136	C10H16	000079-92-5	64





Library Search Compound Report

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Data File : 1M54947.D
Acq On    : 10 Mar 2010  13:26
Operator  : WP
Sample    : AC50199-007
Misc      : S,5G!5
ALS Vial  : 65   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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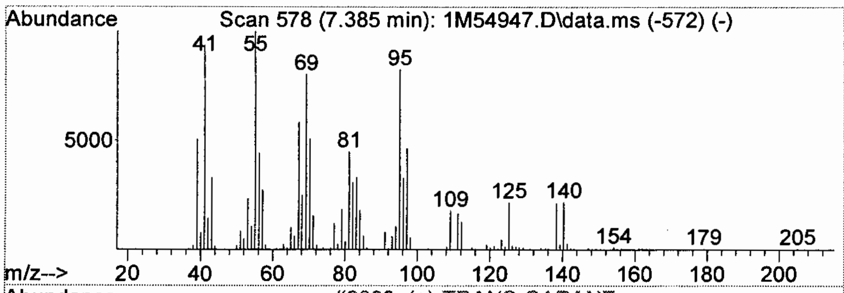
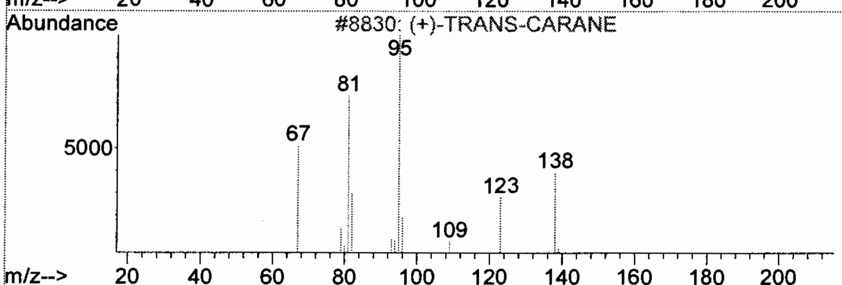
****

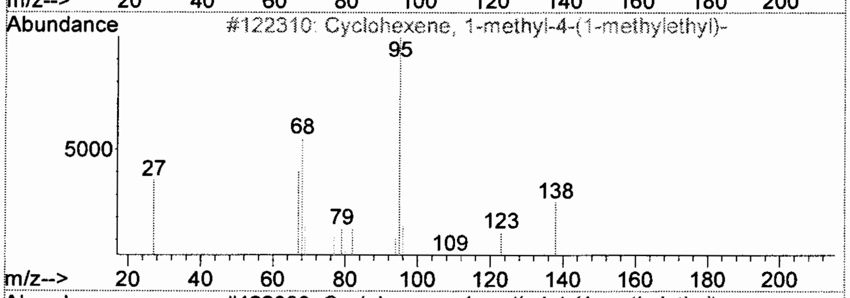
Peak Number 3 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 7

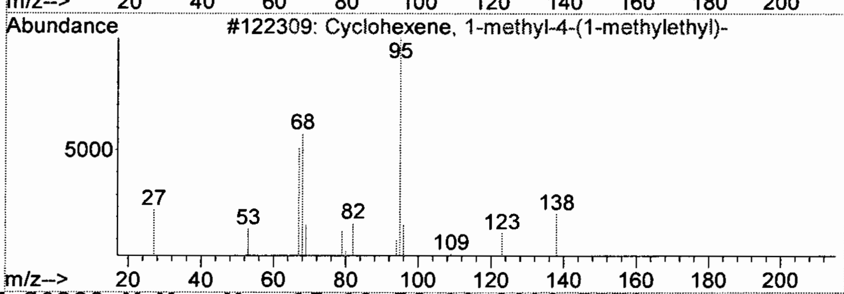
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	196.57 ug/l	2620029	LibIS-1,4-Dichlorobenzene-d4	7.86

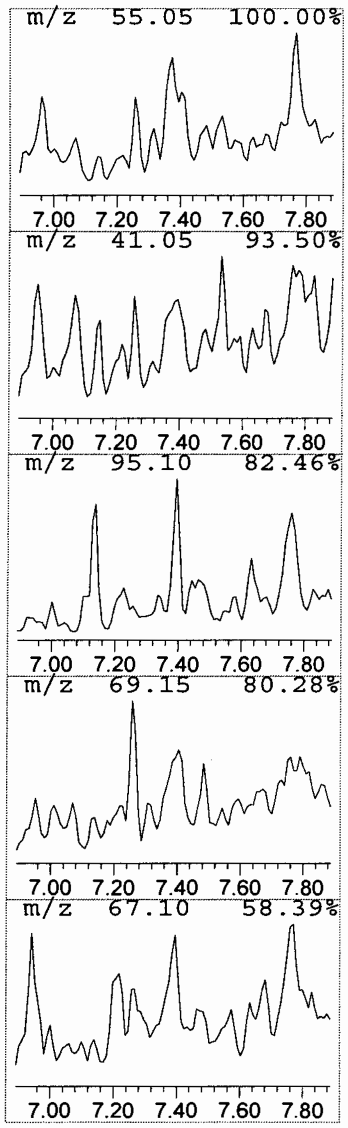
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-TRANS-CARANE	138	C10H18	018968-23-5	45
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	68
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	64
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	43
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	72











Library Search Compound Report

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Data File : 1M54947.D
Acq On    : 10 Mar 2010  13:26
Operator  : WP
Sample    : AC50199-007
Misc      : S,5G!5
ALS Vial  : 65   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title  : @GCMS_1,ug,624,8260

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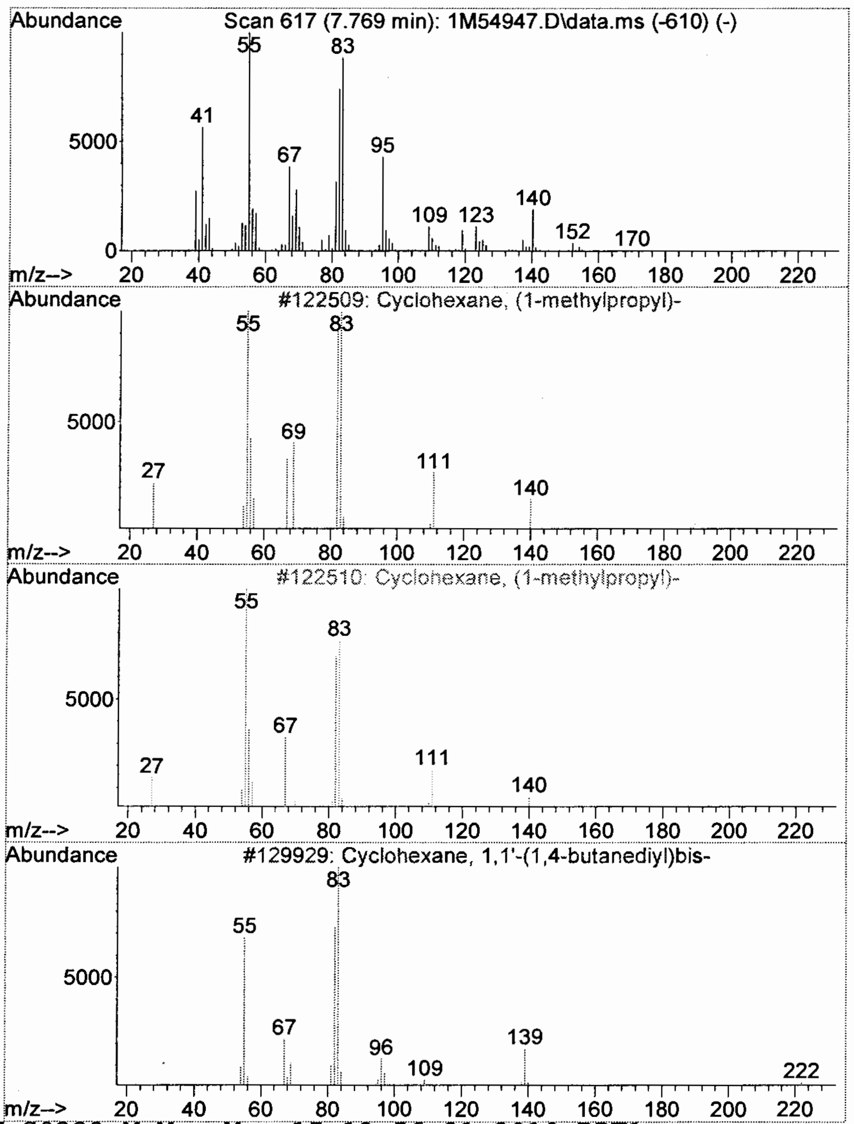
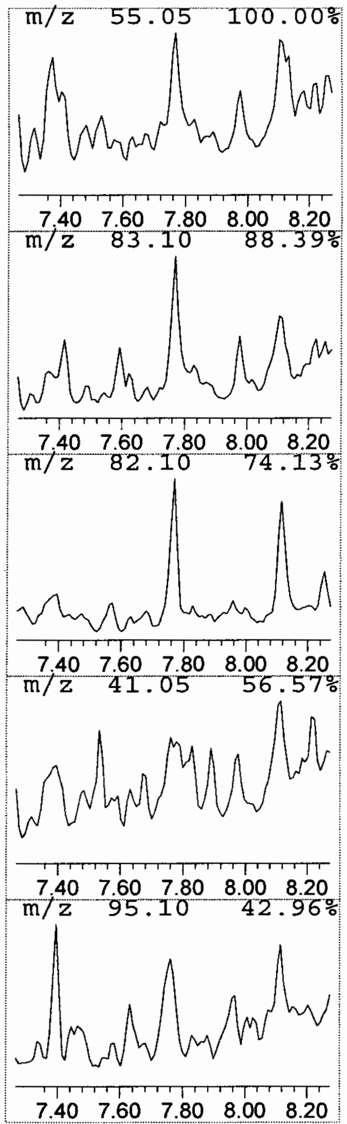
****

Peak Number 4 Cyclohexane, (1-methylpropyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	264.49 ug/l	3525314	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	53
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
4	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	38
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	40





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

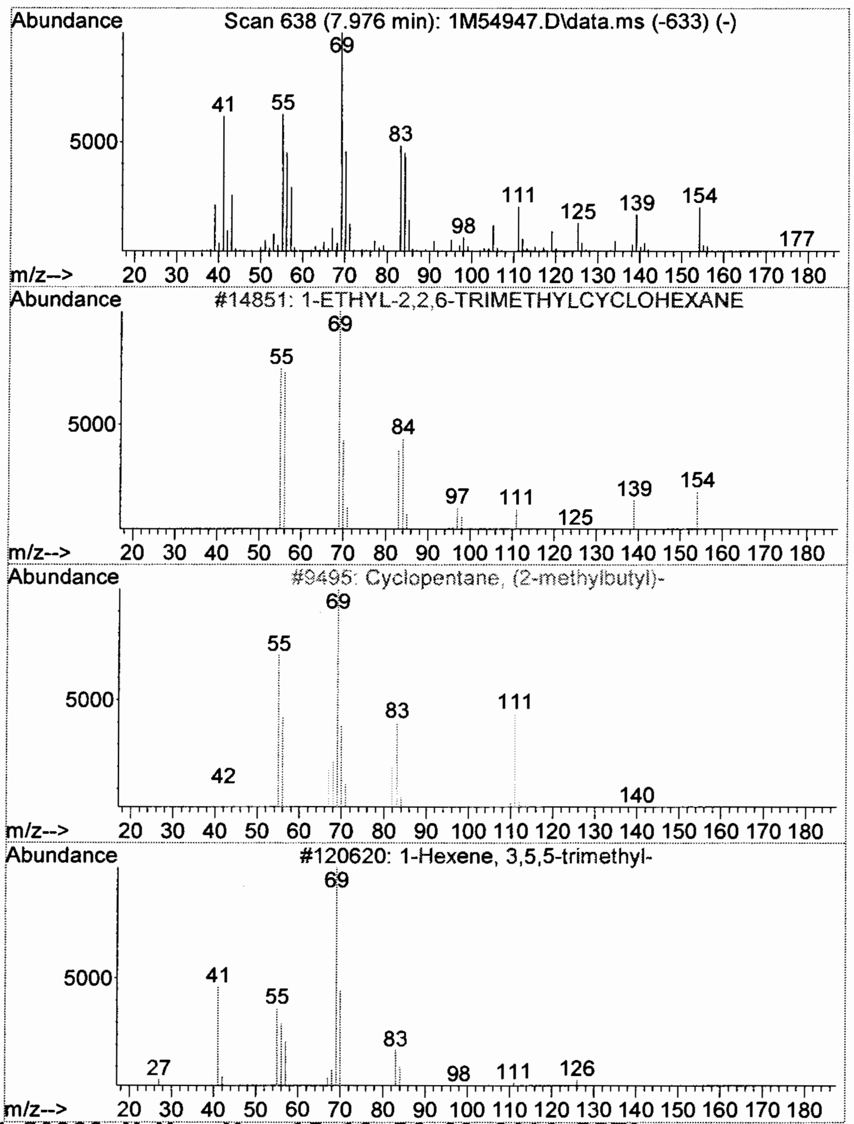
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

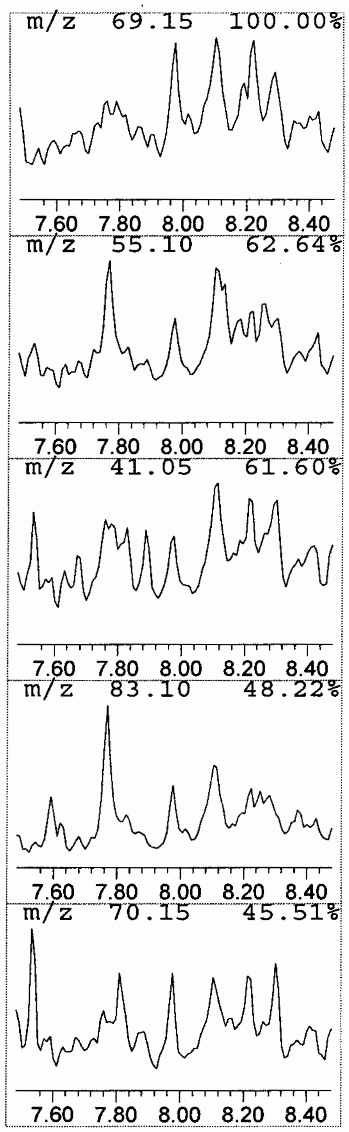
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopentane, (2-methylbutyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	158.77 ug/l	2116163	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	72
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
3	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	38
4	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	38
5	3-UNDECENE, 8-METHYL-, CIS/TRANS	168	C12H24	000000-00-0	47





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
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Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

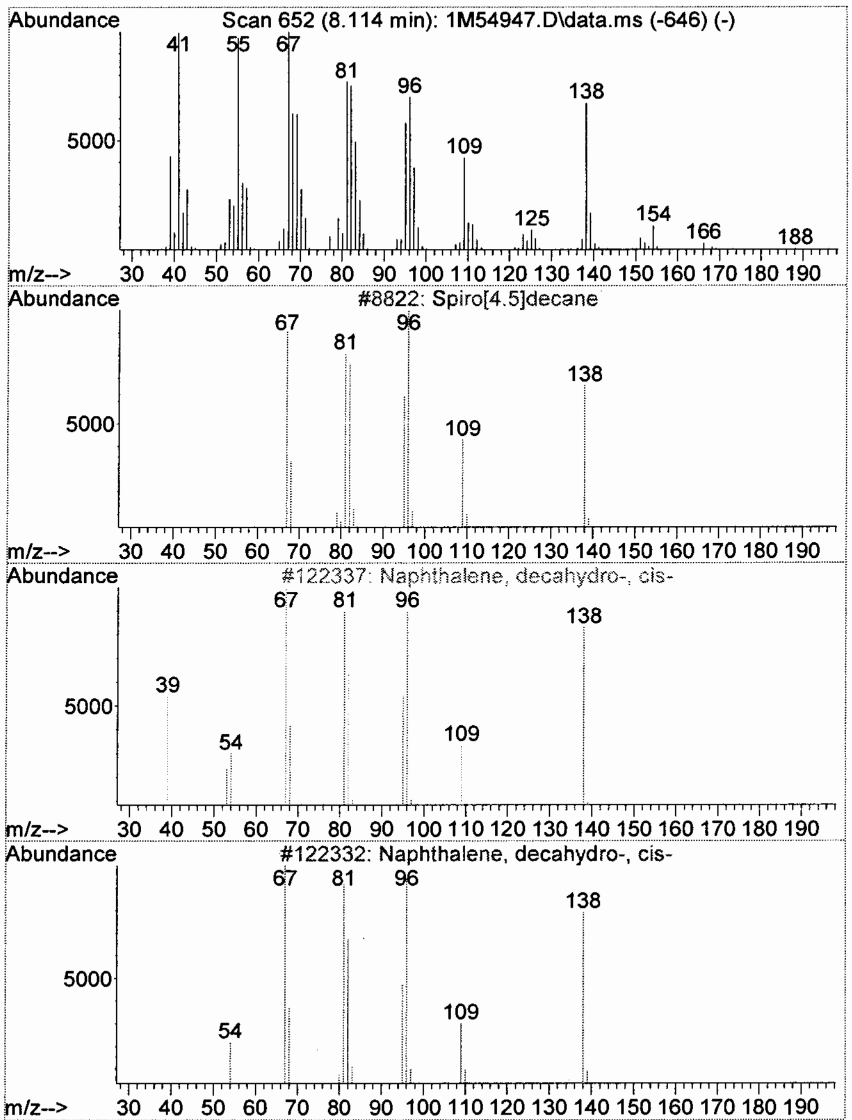
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

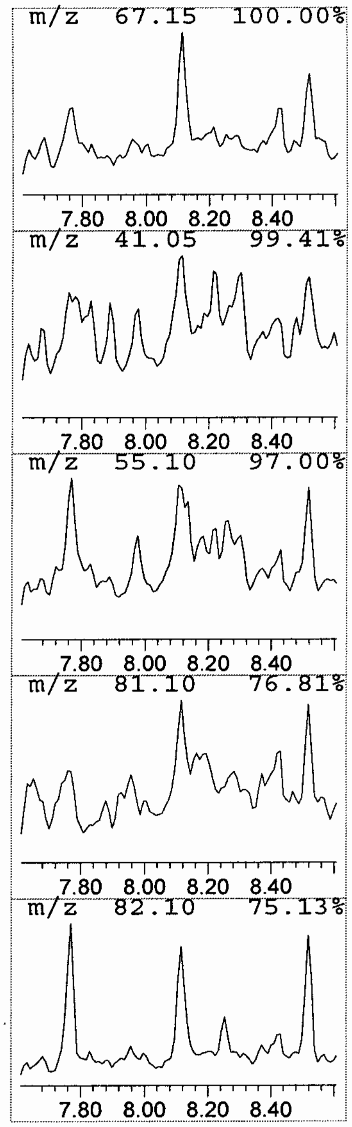
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Spiro[4.5]decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	348.76 ug/l	4648609	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4.5]decane	138	C10H18	000176-63-6	94
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	60
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	60





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

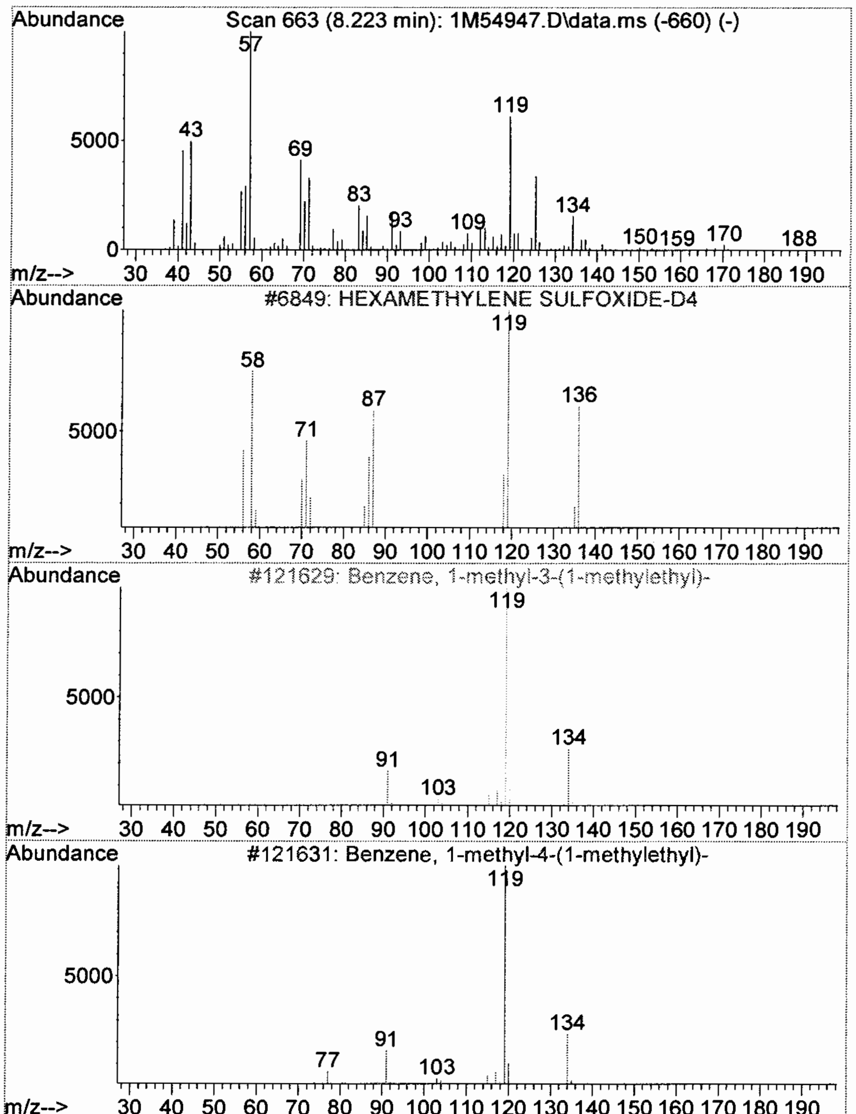
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

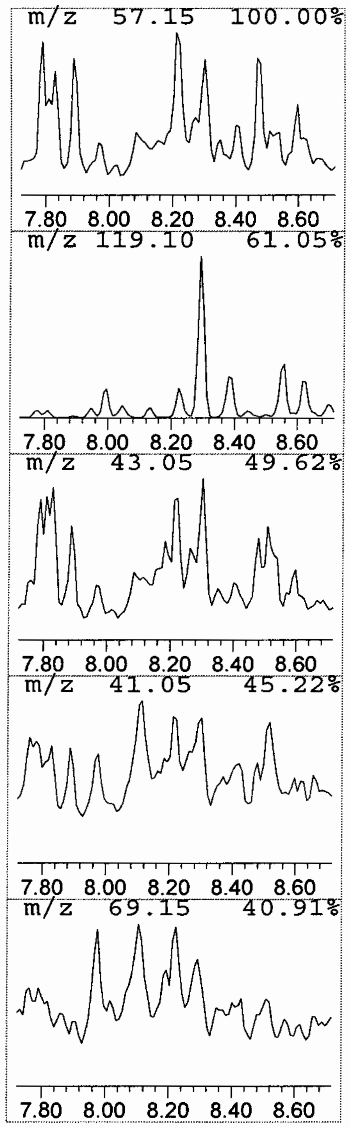
****

Peak Number 7 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	175.68 ug/l	2341574	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	HEXAMETHYLENE SULFOXIDE-D4	132	C6H8D4OS	000000-00-0	50
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	25
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25
5	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	25





Library Search Compound Report

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Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

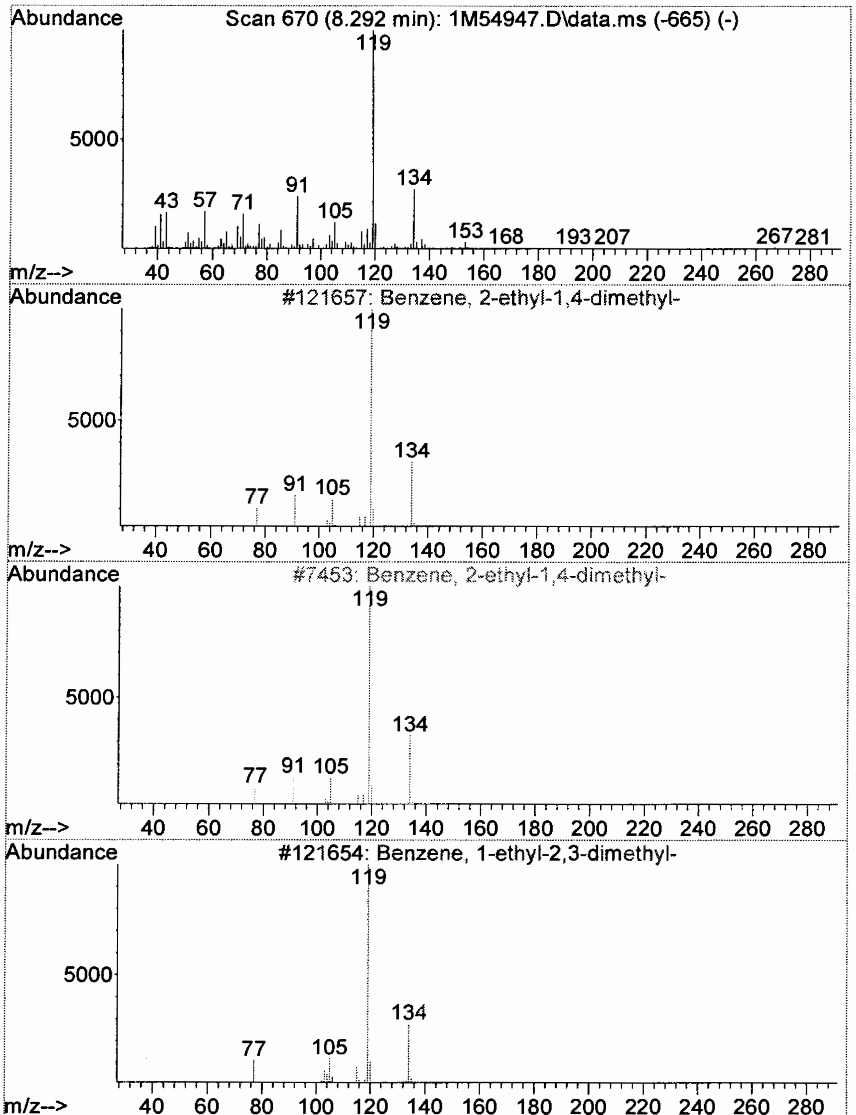
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

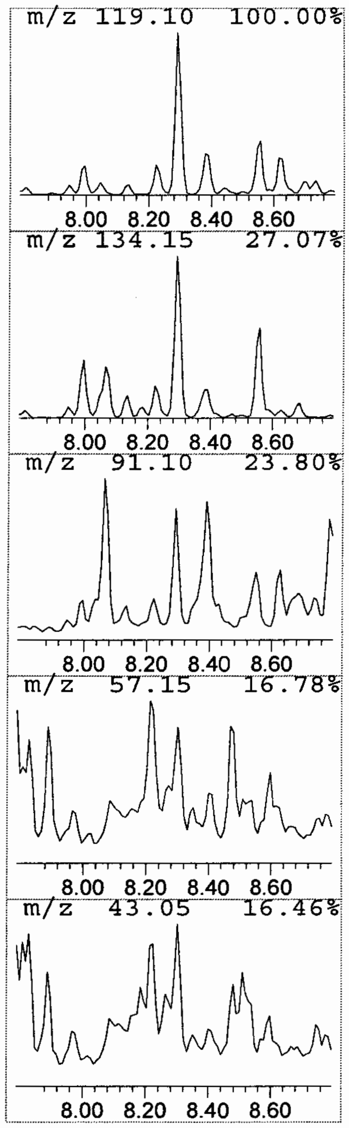
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	311.65 ug/l	4153951	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

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Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

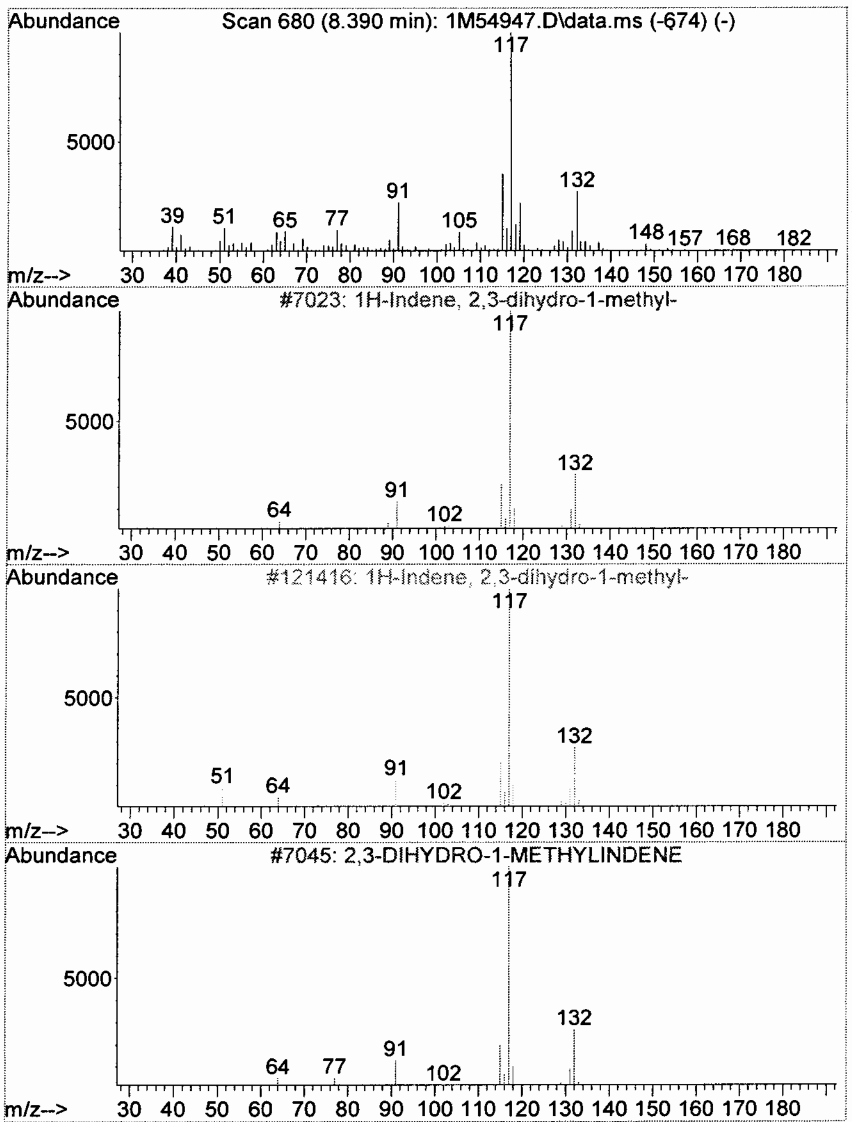
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

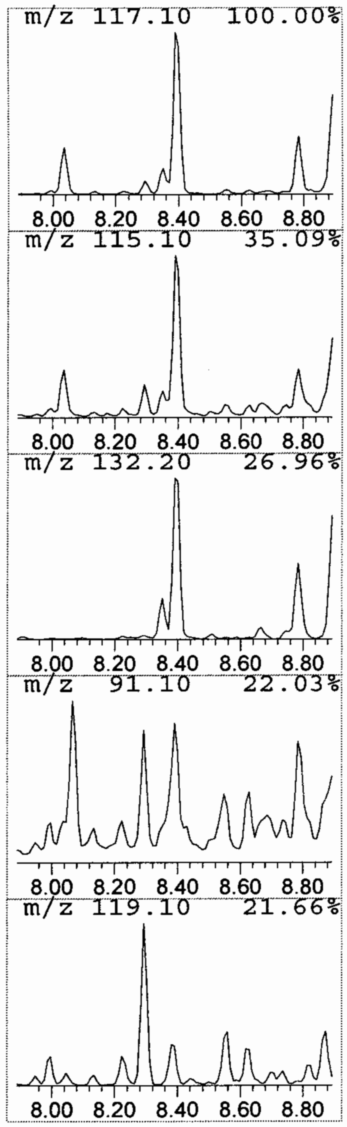
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	319.62 ug/l	4260208	LibIS-1,4-Dichlorobenzene-d4	7.86

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	76
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	68
5	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	49





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

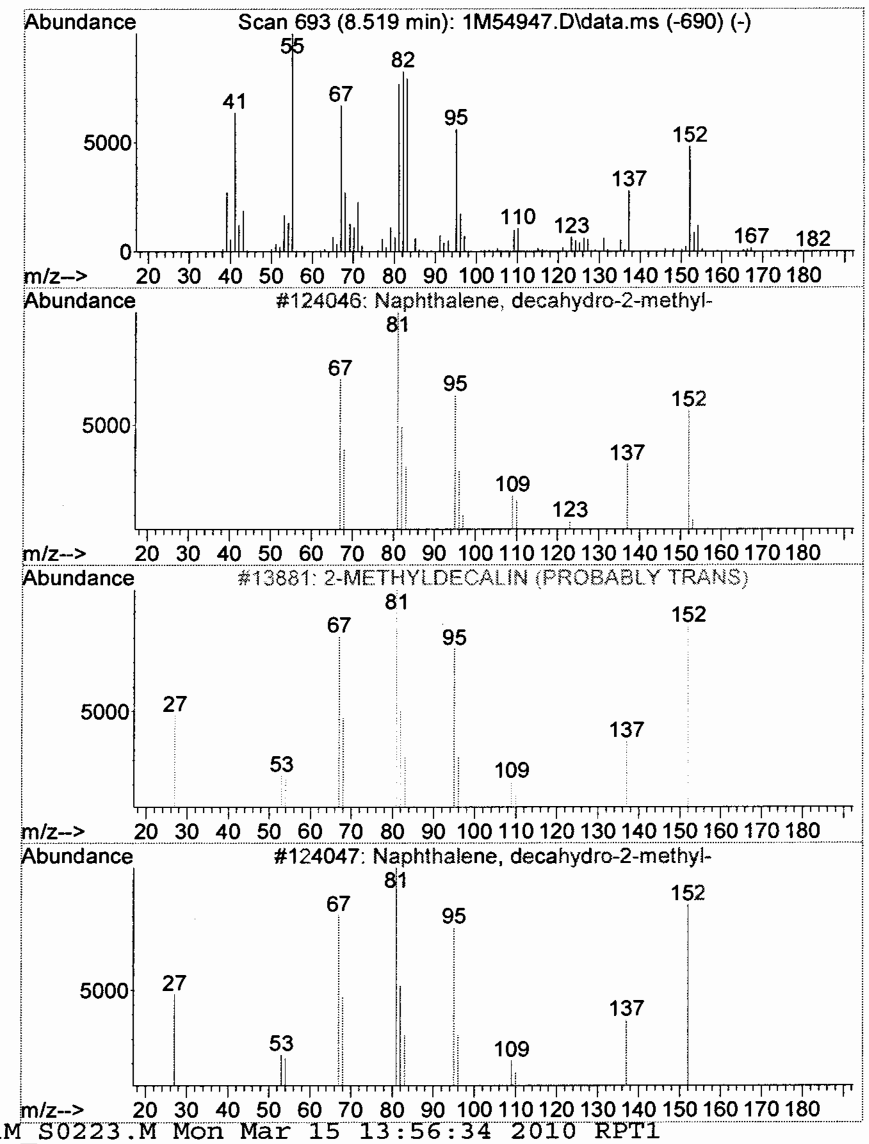
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

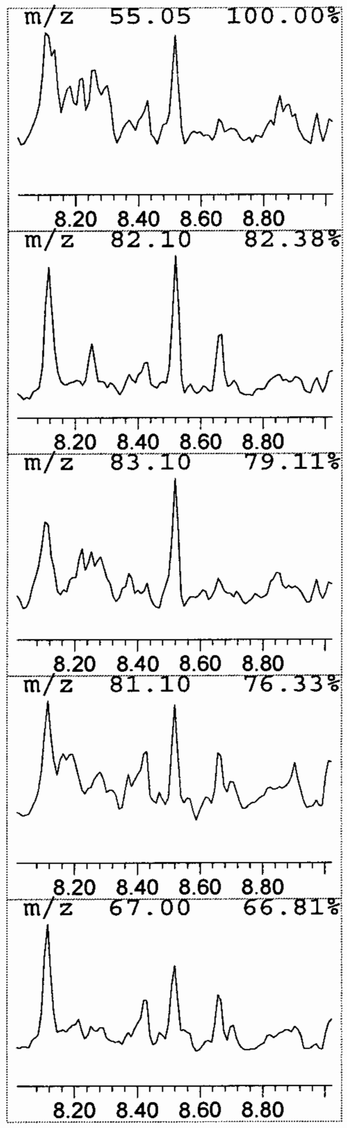
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	197.63 ug/l	2634131	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	35
2	2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	25
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	25
4	Cyclohexaneethanol	128	C8H16O	004442-79-9	43
5	5-Hexadecyne	222	C16H30	071899-37-1	38





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

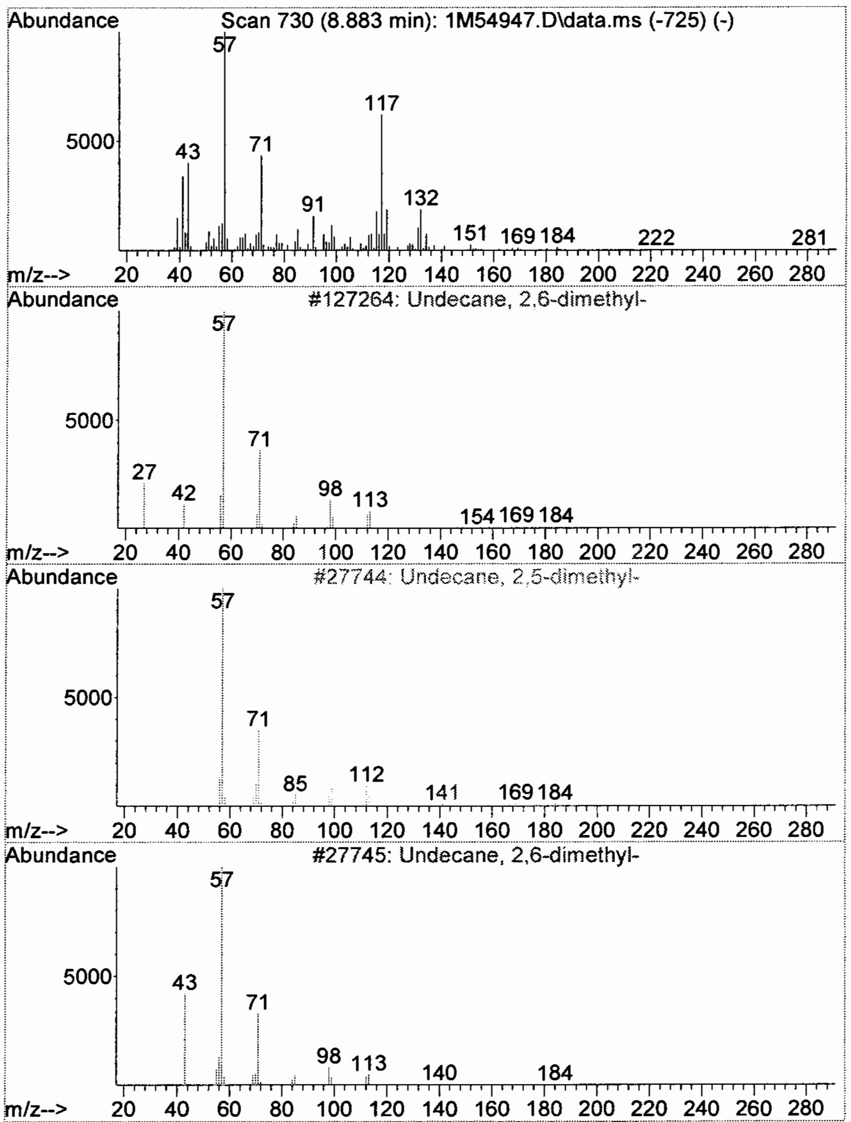
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

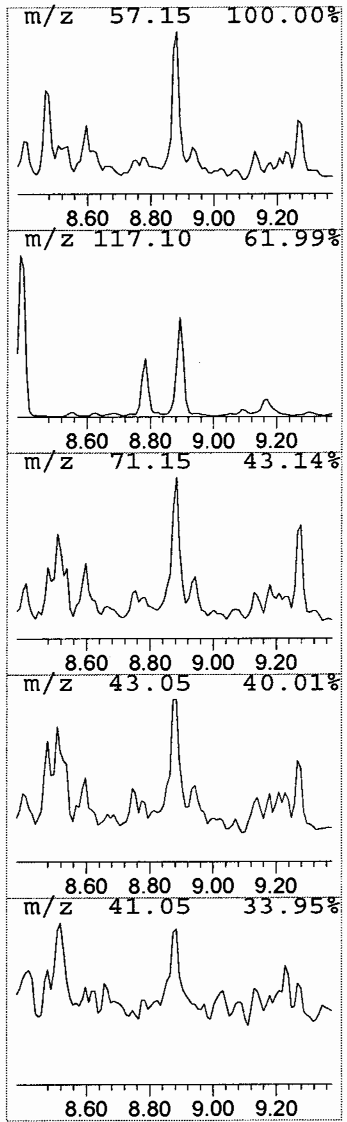
****

Peak Number 11 Undecane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	242.88 ug/l	3237343	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	35
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	35
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

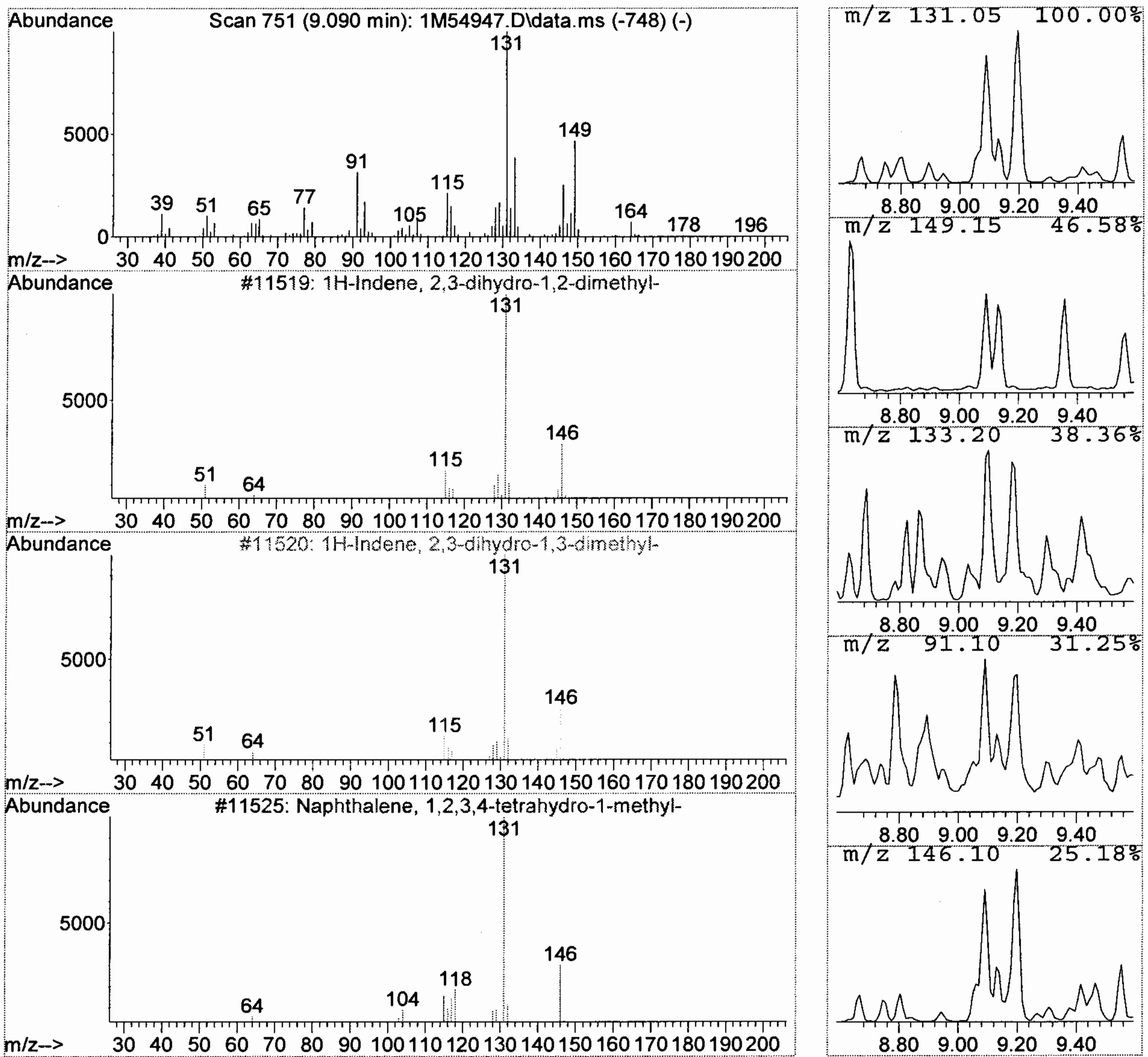
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 12 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	149.74 ug/l	1995843	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	78
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

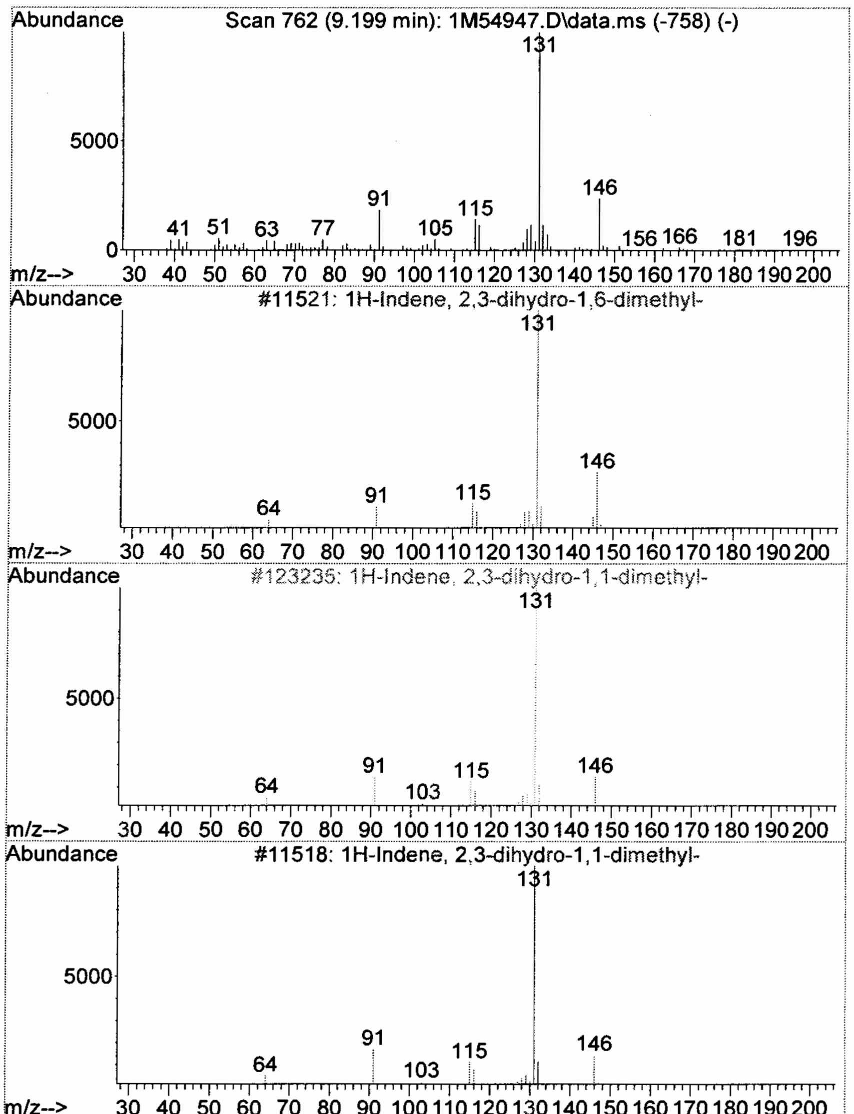
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

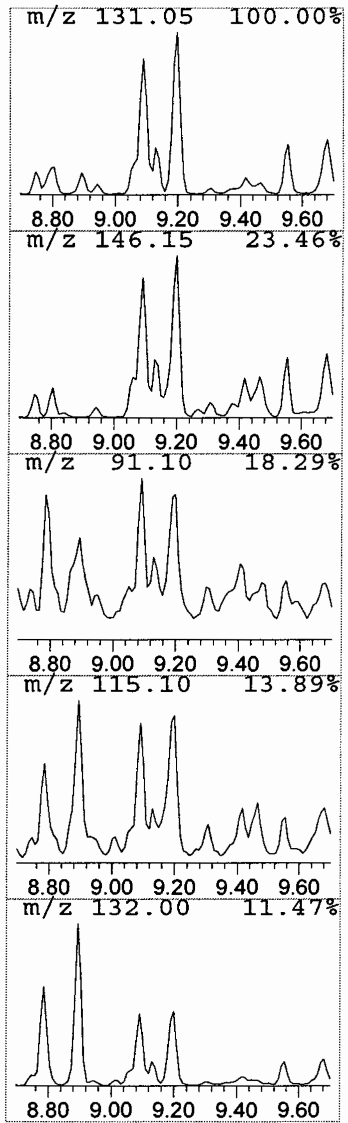
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	190.65 ug/l	2541172	LibIS-1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	86
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	72
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	47
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54947.D
Acq On : 10 Mar 2010 13:26
Operator : WP
Sample : AC50199-007
Misc : S,5G!5
ALS Vial : 65 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
unknown	6.95	136.5	ug/l	3167576	2	6.44	6.44	696125	30.0
Camphene	7.22	126.8	ug/l	1690444	3	7.86	7.86	399865	30.0
Cyclohexene, 1-me...	7.39	196.6	ug/l	2620029	3	7.86	7.86	399865	30.0
Cyclohexane, (1-m...	7.77	264.5	ug/l	3525314	3	7.86	7.86	399865	30.0
Cyclopentane, (2-...	7.98	158.8	ug/l	2116163	3	7.86	7.86	399865	30.0
Spiro[4.5]decane	8.11	348.8	ug/l	4648609	3	7.86	7.86	399865	30.0
unknown	8.22	175.7	ug/l	2341574	3	7.86	7.86	399865	30.0
Benzene, 2-ethyl-...	8.29	311.7	ug/l	4153951	3	7.86	7.86	399865	30.0
1H-Indene, 2,3-di...	8.39	319.6	ug/l	4260208	3	7.86	7.86	399865	30.0
unknown	8.52	197.6	ug/l	2634131	3	7.86	7.86	399865	30.0
Undecane, 2,6-dim...	8.88	242.9	ug/l	3237343	3	7.86	7.86	399865	30.0
1H-Indene, 2,3-di...	9.09	149.7	ug/l	1995843	3	7.86	7.86	399865	30.0
1H-Indene, 2,3-di...	9.20	190.7	ug/l	2541172	3	7.86	7.86	399865	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	1M54448.	CAL @ 20 PPB	02/23/10 12:24	2	1M54450.	CAL @ 5 PPB	02/23/10 12:57
3	1M54449.	CAL @ 10 PPB	02/23/10 12:41	4	1M54447.	CAL @ 50 PPB	02/23/10 12:08
5	1M54446.	CAL @ 100 PPB	02/23/10 11:52	6	1M54445.	CAL @ 250 PPB	02/23/10 11:36
7	1M54444.	CAL @ 500 PPB	02/23/10 11:20	8	1M54453.	CAL @ 1 PPB	02/23/10 13:45
9	1M54452.	CAL @ 0.5 PPB	02/23/10 13:29				

																			Calibration Level Concentrations							
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.6281	0.7507	0.6417	0.5703	0.5562	0.5676	0.4758	-----	-----	0.599	1.39	0.992	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dichlorodifluoromethan	1	0	Avg	0.3456	0.3326	0.3487	0.3268	0.3576	0.3904	0.3476	-----	-----	0.350	1.39	0.996	0.999	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.4433	0.4960	0.4572	0.4191	0.4094	0.3381	0.3463	-----	-----	0.416	1.51	0.998	0.998	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.1653	0.1680	0.1883	0.1681	0.1715	0.1395	0.1247	-----	-----	0.161	1.83	0.994	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2996	0.3154	0.3163	0.2839	0.2732	0.2577	0.2271	-----	-----	0.282	1.59	0.996	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1682	0.1714	0.1739	0.1653	0.1696	0.1499	0.1391	-----	-----	0.163	1.90	0.998	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	Avg	0.6547	0.6397	0.6931	0.6118	0.6477	0.5262	0.4974	-----	-----	0.610	2.10	0.997	0.999	12		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	0.3313	0.3604	0.3421	0.3227	0.3217	0.2762	0.2439	-----	-----	0.314	2.48	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.3813	0.4420	0.3991	0.3540	0.3468	0.3060	0.2840	-----	-----	0.359	2.83	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0354	0.0367	0.0355	0.0364	0.0359	0.0326	0.0314	-----	-----	0.0349	2.40	0.999	1.00	5.9		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0758	0.0835	0.0821	0.0799	0.0834	0.0768	0.0704	-----	-----	0.0789	3.00	0.997	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	0.5468	0.5286	0.5333	0.5223	0.5264	0.4771	0.4306	-----	-----	0.509	2.59	0.997	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Lin	0.0659	0.0781	0.0711	0.0603	0.0600	0.0529	0.0495	-----	-----	0.0626	2.51	0.998	1.00	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.0059	1.0206	1.0062	0.9481	0.9838	0.8706	0.7917	-----	-----	0.947	2.65	0.997	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0092	0.0072	0.0081	0.0094	0.0091	0.0083	0.0087	-----	-----	0.00862	2.90	0.999	0.999	9.1		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.5222	0.4848	0.5341	0.5406	0.5682	0.5091	0.4519	-----	-----	0.516	3.27	0.995	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	1.3835	1.2669	1.3790	1.3600	1.3474	1.1581	1.0219	-----	-----	1.27	3.43	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.7608	0.7288	0.7642	0.7235	0.7411	0.6375	0.5706	-----	-----	0.704	2.48	0.995	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1872	0.2130	0.2004	0.1822	0.1829	0.1588	0.1496	-----	-----	0.182	2.75	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.4825	0.4989	0.4878	0.4877	0.4876	0.4245	0.3765	0.5599	-----	0.476	3.05	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.8029	0.7884	0.8174	0.7625	0.7788	0.6922	0.6350	-----	-----	0.754	3.37	0.997	1.00	8.8	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroether	1	0	Avg	0.3801	0.3810	0.3714	0.3557	0.3556	0.3031	0.2650	-----	-----	0.345	3.05	0.993	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.7727	0.7648	0.7810	0.7446	0.7525	0.6402	0.5584	-----	-----	0.716	3.84	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.3632	0.4030	0.3929	0.3430	0.3361	0.2972	0.2843	-----	-----	0.346	4.00	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.4853	0.4614	0.4753	0.4788	0.5044	0.4405	0.4009	-----	-----	0.464	3.85	0.996	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0017	0.0019	0.0017	0.0018	0.0019	0.0017	0.0015	-----	-----	0.00178	5.05	0.995	1.00	8.8		1000.	250.0	500.0	2500.	5000.	1250	2500		
1,1-Dichloropropene	1	0	Avg	0.6547	0.6324	0.6343	0.6103	0.6102	0.4902	-----	-----	-----	0.605	4.31	0.990	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0			
Chloroform	1	0	Avg	0.7006	0.7104	0.7188	0.6721	0.6730	0.5958	0.5400	-----	-----	0.659	4.06	0.997	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2549	0.2661	0.2703	0.2742	0.2725	0.2574	0.2685	0.2825	0.2846	0.270	4.17	-1	-1	3.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.8340	0.7379	0.7561	0.8202	0.8401	0.7320	0.6329	-----	-----	0.765	4.26	0.992	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.0474	0.0489	0.0515	0.0480	0.0484	0.0494	0.0445	0.0490	0.0531	0.0490	4.40	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.5516	0.5974	0.5964	0.5108	0.4970	0.4123	-----	-----	-----	0.528	4.45	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0			
2-Butanone	1	0	Avg	0.1141	0.1009	0.1333	0.1092	0.1091	0.0975	0.0854	-----	-----	0.107	3.84	0.994	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.5903	0.5734	0.5596	0.5655	0.5752	0.5022	0.4544	-----	-----	0.546	4.21	0.996	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.5465	0.5397	0.5405	0.4960	0.5014	0.4255	0.3552	-----	-----	0.486	4.32	0.989	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	1.1812	1.1805	1.1739	1.1537	1.1530	1.0126	0.9173	-----	-----	1.11	3.42	0.996	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.5531	0.5860	0.5697	0.5474	0.5495	0.4810	0.4297	-----	-----	0.531	5.14	0.995	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	Avg	0.7411	0.6456	0.7008	0.7007	0.6940	0.5638	-----	-----	-----	0.674	4.98	0.991	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0			
Dibromomethane	1	0	Avg	0.2574	0.2545	0.2666	0.2343	0.2342	0.2035	0.1826	-----	-----	0.233	5.05	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.4384	0.3952	0.4444	0.4057	0.3982	0.3217	-----	-----	-----	0.401	4.98	0.991	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0			
Trichloroethene	1	0	Avg	0.4434	0.4385	0.4549	0.4318	0.4252	0.3602	0.3090	-----	-----	0.409	4.84	0.991	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		

Avg Rsd: 10.2

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.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_1

0235

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M54448.	CAL @ 20 PPB	02/23/10 12:24	2	1M54450.	CAL @ 5 PPB	02/23/10 12:57
3	1M54449.	CAL @ 10 PPB	02/23/10 12:41	4	1M54447.	CAL @ 50 PPB	02/23/10 12:08
5	1M54446.	CAL @ 100 PPB	02/23/10 11:52	6	1M54445.	CAL @ 250 PPB	02/23/10 11:36
7	1M54444.	CAL @ 500 PPB	02/23/10 11:20	8	1M54453.	CAL @ 1 PPB	02/23/10 13:45
9	1M54452.	CAL @ 0.5 PPB	02/23/10 13:29				

																			Calibration Level Concentrations								
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	LinF	1.5599	1.5372	1.6040	1.4443	1.3946	1.1202	-----	1.9825	-----	1.52	4.45	0.990	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
tert-Amyl methyl ether	1	0	Avg	0.4879	0.4457	0.4703	0.4649	0.4713	0.4207	0.3780	-----	-----	0.448	4.51	0.996	1.00	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.4674	0.4433	0.4813	0.4473	0.4479	0.4066	0.3749	-----	-----	0.438	6.09	0.998	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	Avg	0.1961	0.1747	0.1927	0.2135	0.2334	0.2222	0.2082	-----	-----	0.206	5.30	0.998	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.7741	0.6628	0.7295	0.7701	0.7983	0.7244	0.6466	-----	-----	0.729	5.40	0.996	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.6009	0.5760	0.5483	0.6100	0.6361	0.5908	0.5446	-----	-----	0.587	5.73	0.998	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.3472	0.3466	0.3602	0.3280	0.3190	0.2851	0.2610	-----	-----	0.321	5.85	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.3516	0.3483	0.3559	0.3394	0.3421	0.3044	0.2853	-----	-----	0.332	6.17	0.998	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3-Dichloropropane	1	0	Avg	0.6651	0.7209	0.6722	0.6144	0.6115	0.4999	-----	-----	-----	0.631	5.95	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0			
4-Methyl-2-Pentanone	1	0	Avg	0.3203	0.2930	0.3005	0.3250	0.3397	0.3111	0.2900	-----	-----	0.311	5.48	0.998	1.00	5.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.2185	0.2084	0.1912	0.2243	0.2287	0.2083	0.1902	-----	-----	0.210	5.97	0.997	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.6066	0.5913	0.6020	0.5452	0.5260	0.4252	-----	-----	-----	0.549	5.96	0.991	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0			
Toluene-d8	1	0	Avg	0.9005	0.8917	0.9436	0.9026	0.9125	0.9179	0.9240	0.8424	0.8688	0.900	5.58	-1	-1	3.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	LinF	1.3408	1.3476	1.3585	1.2476	1.2158	1.0138	-----	1.7531	-----	1.33	5.62	0.994	1.00	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,1,2-Tetrachloroetha	1	0	Avg	0.4630	0.4786	0.4679	0.4496	0.4329	0.3632	-----	-----	-----	0.443	6.51	0.994	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0			
Chlorobenzene	1	0	Avg	1.4300	1.5045	1.4452	1.3336	1.3180	1.1068	-----	-----	-----	1.36	6.47	0.994	1.00	10	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0			
Bromoform	1	0	Avg	0.5185	0.5210	0.5105	0.5219	0.5170	0.5189	0.5265	-----	-----	0.519	6.96	1.00	1.00	0.95	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	1.0976	1.0209	1.0571	0.9594	0.9216	0.7797	-----	1.1088	-----	0.992	6.52	0.994	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroetha	1	0	Avg	0.6348	0.7167	0.7010	0.6375	0.5928	0.5889	0.5910	-----	-----	0.638	7.20	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	0.8540	0.8650	0.8653	0.8734	0.8842	0.9794	1.0615	0.8053	0.8170	0.890	7.15	-1	-1	9.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.4825	2.3420	2.3957	2.4561	2.2830	1.8811	-----	-----	-----	2.31	6.83	0.992	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0			
m&p-Xylenes	1	0	Avg	1.5972	1.5257	1.6243	1.4958	1.3796	1.1082	-----	1.7176	1.5888	1.50	6.59	0.989	1.00	13		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.5746	1.3481	1.5539	1.4607	1.3915	1.1712	-----	1.4713	-----	1.42	6.82	0.994	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	Avg	0.2289	0.2521	0.2847	0.2621	0.2555	0.2519	0.2464	-----	-----	0.255	7.23	1.00	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	2.0298	2.1793	2.1758	1.9286	1.8103	1.4923	-----	-----	-----	1.94	7.83	0.993	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0			
1,4-Dichlorobenzene	1	0	Avg	2.0029	2.1676	2.1299	1.9454	1.8584	1.6719	1.4352	-----	-----	1.89	7.89	0.993	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	1.7354	1.8481	1.8710	1.7137	1.6345	1.4833	1.2969	-----	-----	1.65	8.12	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	4.3458	3.7604	4.1317	4.1910	4.0870	3.5281	2.9920	3.9446	-----	3.87	7.04	0.990	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0177	0.0213	0.0184	0.0183	0.0190	0.0189	0.0188	-----	-----	0.0190	7.11	1.00	1.00	6.0		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
1,2,3-Trichloropropane	1	0	Avg	0.8944	0.9041	0.8568	0.8589	0.8525	0.8092	0.7639	-----	-----	0.849	7.25	0.999	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Qua	2.7900	2.8982	2.9391	2.5398	2.4011	1.7829	1.2605	-----	-----	2.37	7.36	0.951	0.998	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
p-Ethyltoluene	1	0	Avg	4.8892	4.7868	4.9620	4.4031	4.4698	3.3470	-----	-----	-----	4.48	7.35	0.983	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0			
4-Chlorotoluene	1	0	Avg	2.5842	2.5957	2.5991	2.3602	2.4116	1.8944	-----	-----	-----	2.41	7.42	0.988	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0			
n-Propylbenzene	1	0	Avg	5.2725	4.9431	5.2035	5.1722	4.8944	4.2207	3.5321	5.5373	-----	4.85	7.30	0.989	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.4431	2.3950	2.5153	2.4088	2.3725	2.1793	1.9623	-----	-----	2.33	7.26	0.997	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzene	1	0	Avg	3.5063	3.5445	3.5815	3.6626	3.0285	2.7657	-----	3.8416	-----	3.42	7.39	0.996	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	3.5068	3.3103	3.4411	3.4818	3.3081	2.8617	2.3540	3.2238	-----	3.19	7.60	0.987	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	3.7327	3.5342	3.7273	3.6528	3.4158	2.9204	2.4102	3.3472	-----	3.34	7.63	0.987	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	4.6873	4.0722	4.6470	4.6330	4.3971	3.7821	3.0566	4.0668	-----	4.17	7.74	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	3.8305	3.4819	3.6703	3.6905	3.4814	2.8554	-----	3.4111	-----	3.49	7.82	0.991	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	4.7578	4.3121	4.6839	4.6700	4.4444	3.7420	2.9774	4.7664	-----	4.29	8.07	0.982	1.00	15		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: 10.2
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 8260B

Form 6
Initial Calibration

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M54448.	CAL @ 20 PPB	02/23/10 12:24	2	1M54450.	CAL @ 5 PPB	02/23/10 12:57
3	1M54449.	CAL @ 10 PPB	02/23/10 12:41	4	1M54447.	CAL @ 50 PPB	02/23/10 12:08
5	1M54446.	CAL @ 100 PPB	02/23/10 11:52	6	1M54445.	CAL @ 250 PPB	02/23/10 11:36
7	1M54444.	CAL @ 500 PPB	02/23/10 11:20	8	1M54453.	CAL @ 1 PPB	02/23/10 13:45
9	1M54452.	CAL @ 0.5 PPB	02/23/10 13:29				

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	2.5186	2.1500	2.3548	2.5095	2.3835	2.0115	1.5664	-----	-----	2.21	8.06	0.978	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2,4,5-Tetramethylber	1	0	Avg	3.6168	2.8756	3.2267	3.7781	3.6219	3.1585	2.5831	-----	-----	3.27	8.57	0.986	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chlorop	1	0	Avg	0.1207	0.1396	0.1412	0.1212	0.1260	0.1214	0.1176	-----	-----	0.127	8.62	1.00	1.00	7.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Hexachlorobutadiene	1	0	Avg	1.2954	1.2513	1.2376	1.2896	1.2393	1.1011	0.9645	-----	-----	1.20	9.27	0.994	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzene	1	0	Avg	1.4116	1.2803	1.3163	1.3797	1.3607	1.2492	1.1341	-----	-----	1.30	9.17	0.997	1.00	7.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2,3-Trichlorobenzene	1	0	Avg	1.3259	1.2769	1.2728	1.2140	1.2255	1.1054	0.9838	-----	-----	1.20	9.49	0.996	1.00	9.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	1.8044	1.4659	1.6516	1.7888	1.7968	1.6458	1.5056	1.6177	-----	1.66	9.34	0.997	1.00	7.9	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: 10.2
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: 1M54448.D
Acq On : 02/23/10 12:24

Operator : WP
Sam Mult : 1 Vial# : 36
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:01
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.615	96	171085	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	125528	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	74734	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.171	111	43623	27.26 ug/l	0.00
Spiked Amount 30.000			Recovery =	90.87%	
35) 1,2-Dichloroethane-d4	4.398	102	8121	28.10 ug/l	0.00
Spiked Amount 30.000			Recovery =	93.67%	
59) Toluene-d8	5.580	100	113046	32.34 ug/l	0.00
Spiked Amount 30.000			Recovery =	107.80%	
67) Bromofluorobenzene	7.148	174	63826	29.36 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.87%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.393	51	71641	19.38 ug/l	1
6) Dichlorodifluoromethane	1.393	85	39418	13.59 ug/l	96
7) Chloromethane	1.511	50	50566	19.99 ug/l	98
8) Bromomethane	1.829	94	18864	17.82 ug/l	95
9) Vinyl Chloride	1.594	62	34176	18.52 ug/l	94
10) Chloroethane	1.896	64	19189	17.06 ug/l	93
11) Trichlorofluoromethane	2.097	101	74674	18.14 ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.476	101	37791	18.00 ug/l	95
13) Methylene Chloride	2.831	84	43491	18.62 ug/l	99
14) Acrolein	2.397	56	20230	91.59 ug/l	91
15) Acrylonitrile	2.998	53	8648	17.07 ug/l	100
16) Iodomethane	2.594	142	62377	19.13 ug/l	71
17) Acetone	2.506	43	37595	95.08 ug/l	95
18) Carbon Disulfide	2.653	76	114738	18.38 ug/l	100
19) t-Butyl Alcohol	2.900	59	5294	93.46 ug/l	92
20) n-Hexane	3.274	57	59563	16.47 ug/l	96
21) Di-isopropyl-ether	3.432	45	157806	19.03 ug/l	92
22) 1,1-Dichloroethene	2.476	61	86779	18.82 ug/l	88
23) Methyl Acetate	2.752	43	21361	18.55 ug/l	100
24) Methyl-t-butyl ether	3.048	73	55039	18.06 ug/l	67
25) 1,1-Dichloroethane	3.373	63	91582	18.80 ug/l	100
26) trans-1,2-Dichloroethene	3.048	96	43361	20.11 ug/l	87
27) cis-1,2-Dichloroethene	3.836	61	88132	19.38 ug/l	90
28) Bromochloromethane	4.004	49	41426	19.04 ug/l	68
29) 2,2-Dichloropropane	3.846	77	55356	18.32 ug/l	93
30) 1,4-Dioxane	5.048	88	10046	902.02 ug/l	54
31) 1,1-Dichloropropene	4.309	75	74674	20.01 ug/l	97
32) Chloroform	4.063	83	79916	19.19 ug/l	100
34) Cyclohexane	4.260	56	95130	18.38 ug/l	88
36) 1,2-Dichloroethane	4.447	62	62921	19.34 ug/l	99
37) 2-Butanone	3.836	43	13017	18.70 ug/l	91
38) 1,1,1-Trichloroethane	4.211	97	67329	19.27 ug/l	97
39) Carbon Tetrachloride	4.319	117	62334	20.29 ug/l	95
40) Vinyl Acetate	3.422	43	134732	18.91 ug/l	100
41) Bromodichloromethane	5.137	83	63090	18.98 ug/l	95
42) Methylcyclohexane	4.979	83	84537	19.95 ug/l	81
43) Dibromomethane	5.048	174	29360	20.52 ug/l	95
44) 1,2-Dichloropropane	4.979	63	50005	19.81 ug/l	91
45) Trichloroethene	4.841	130	50582	19.59 ug/l	90
46) Benzene	4.447	78	177922	19.30 ug/l	100
47) tert-Amyl methyl ether	4.506	73	55648	19.40 ug/l	88
49) Dibromochloromethane	6.093	129	39117	22.48 ug/l	95
50) 2-Chloroethylvinylether	5.305	63	16412	20.01 ug/l	91
51) cis-1,3-Dichloropropene	5.403	75	64786	21.87 ug/l	94
52) trans-1,3-Dichloropropene	5.728	75	50288	21.47 ug/l	97
53) 1,1,2-Trichloroethane	5.847	97	29062	22.90 ug/l	91
54) 1,2-Dibromoethane	6.172	107	29424	22.17 ug/l	93
55) 1,3-Dichloropropane	5.945	76	55667	23.79 ug/l	94
56) 4-Methyl-2-Pentanone	5.482	43	26811	20.99 ug/l	95
57) 2-Hexanone	5.975	43	18287	21.07 ug/l	95
58) Tetrachloroethene	5.955	164	50770	24.57 ug/l	100
60) Toluene	5.620	92	112210	22.62 ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.507	133	38751	23.61 ug/l	90
62) Chlorobenzene	6.468	112	119672	23.42 ug/l	99
64) Bromoform	6.960	173	25836	21.93 ug/l	90
65) Ethylbenzene	6.517	106	54688	27.18 ug/l	99
66) 1,1,2,2-Tetrachloroethane	7.197	83	31630	21.38 ug/l	86
68) Styrene	6.832	104	123688	25.27 ug/l	94
69) m&p-Xylenes	6.586	106	159161	47.46 ug/l	96

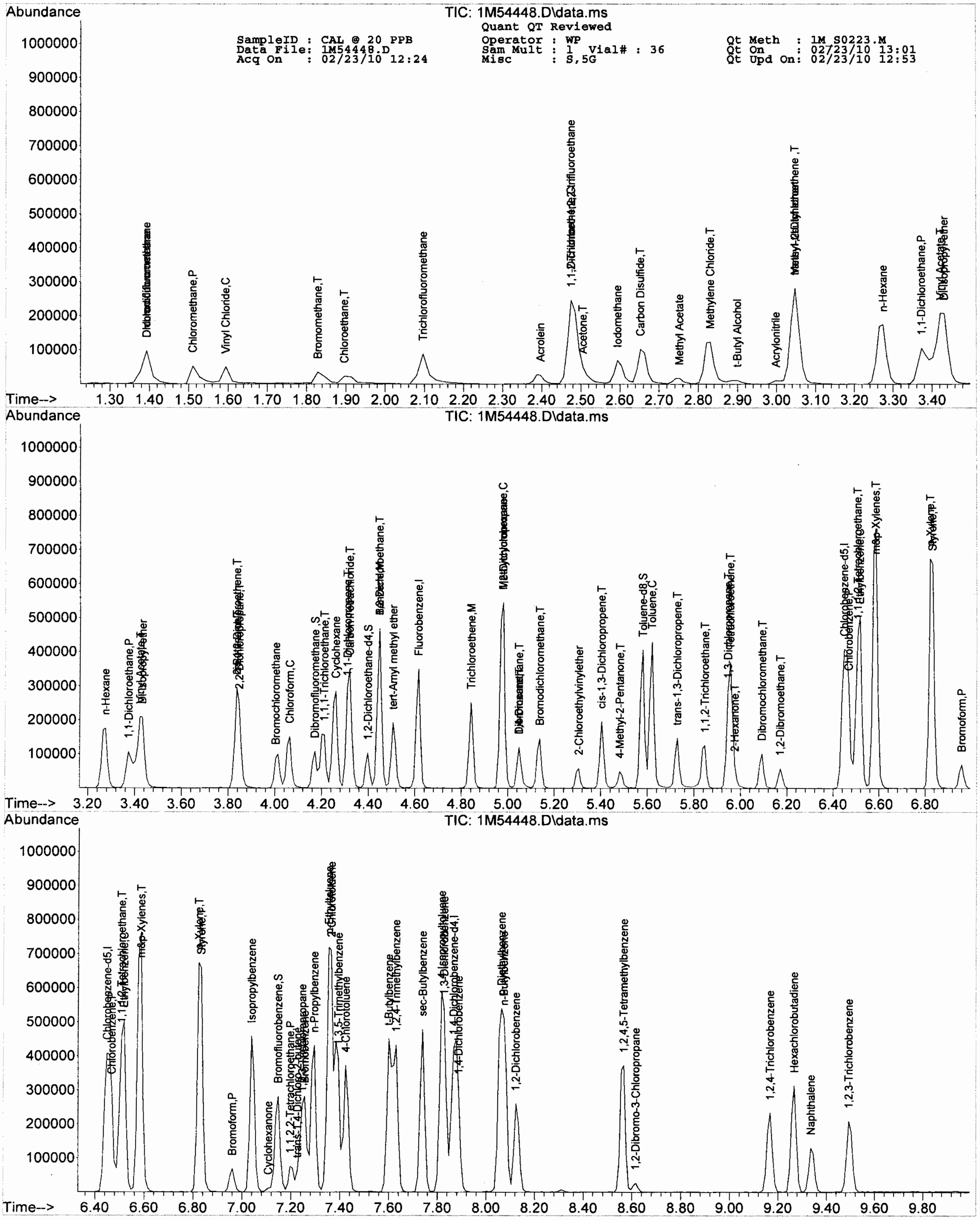
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54448.D   Sam Mult : 1 Vial# : 36   Qt On : 02/23/10 13:01
Acq On : 02/23/10 12:24   Misc : S,5G   Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.822	106	78455	25.68	ug/l	79
71)	trans-1,4-Dichloro-2-b...	7.226	53	11405	19.57	ug/l	95
72)	1,3-Dichlorobenzene	7.828	146	101133	24.29	ug/l	92
73)	1,4-Dichlorobenzene	7.887	146	99792	23.69	ug/l	92
74)	1,2-Dichlorobenzene	8.123	146	86465	22.79	ug/l	94
75)	Isopropylbenzene	7.039	105	216521	25.11	ug/l	98
76)	Cyclohexanone	7.108	55	4424	106.91	ug/l	95
77)	1,2,3-Trichloropropane	7.246	75	44566	23.21	ug/l	90
78)	2-Chlorotoluene	7.364	91	139008	26.33	ug/l	98
79)	p-Ethyltoluene	7.355	105	243596	22.68	ug/l	96
80)	4-Chlorotoluene	7.424	91	128752	23.82	ug/l	95
81)	n-Propylbenzene	7.295	91	262692	24.21	ug/l	97
82)	Bromobenzene	7.256	77	121725	22.68	ug/l	86
83)	1,3,5-Trimethylbenzene	7.394	105	174695m	27.56	ug/l	
84)	t-Butylbenzene	7.601	119	174720	24.73	ug/l	88
85)	1,2,4-Trimethylbenzene	7.630	105	185973	24.86	ug/l	96
86)	sec-Butylbenzene	7.739	105	233537	24.25	ug/l	98
87)	4-Isopropyltoluene	7.818	119	190846	25.22	ug/l	94
88)	n-Butylbenzene	8.074	91	237051	23.95	ug/l	100
89)	p-Diethylbenzene	8.064	119	125484	25.01	ug/l	97
90)	1,2,4,5-Tetramethylben...	8.567	119	180201	24.07	ug/l	99
91)	1,2-Dibromo-3-Chloropr...	8.616	157	6014	21.55	ug/l	67
92)	Hexachlorobutadiene	9.267	225	64542	21.25	ug/l	97
93)	1,2,4-Trichlorobenzene	9.168	180	70331	22.48	ug/l	98
94)	1,2,3-Trichlorobenzene	9.493	180	66063	23.32	ug/l	97
95)	Naphthalene	9.336	128	89902	22.72	ug/l	100

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


TIC: 1M54448.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M54448.D
Acq On : 02/23/10 12:24
Operator : WP
Sam Mult : 1 Vial# : 36
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:01
Qt Upd On: 02/23/10 12:53
Abundance
Time-->

SampleID : CAL @ 5 PPB
Data File: 1M54450.D
Acq On : 02/23/10 12:57
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:19
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.614	96	173817	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.447	117	127337	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	76167	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.171	111	46266	28.46 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.87%	
35) 1,2-Dichloroethane-d4	4.397	102	8501	28.95 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.50%	
59) Toluene-d8	5.580	100	113553	32.03 ug/l	0.00
Spiked Amount 30.000			Recovery =	106.77%	
67) Bromofluorobenzene	7.147	174	65886	29.74 ug/l	0.00
Spiked Amount 30.000			Recovery =	99.13%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.393	51	21750	5.79 ug/l	1
6) Dichlorodifluoromethane	1.393	85	9637	3.27 ug/l	96
7) Chloromethane	1.511	50	14370	5.59 ug/l	93
8) Bromomethane	1.829	94	4867	4.53 ug/l	98
9) Vinyl Chloride	1.594	62	9137	4.87 ug/l	100
10) Chloroethane	1.896	64	4967	4.35 ug/l	95
11) Trichlorofluoromethane	2.097	101	18532	4.43 ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.476	101	10441	4.89 ug/l	90
13) Methylene Chloride	2.830	84	12805	5.40 ug/l	88
14) Acrolein	2.397	56	5324	23.73 ug/l	79
15) Acrylonitrile	3.008	53	2421	4.70 ug/l	99
16) Iodomethane	2.594	142	15315	4.62 ug/l	74
17) Acetone	2.505	43	11320	28.18 ug/l	94
18) Carbon Disulfide	2.663	76	29567	4.66 ug/l	100
19) t-Butyl Alcohol	2.889	59	1046	18.18 ug/l	30
20) n-Hexane	3.274	57	14046	3.82 ug/l	90
21) Di-isopropyl-ether	3.432	45	36703	4.36 ug/l	90
22) 1,1-Dichloroethene	2.476	61	21113	4.51 ug/l	95
23) Methyl Acetate	2.751	43	6171	5.27 ug/l	100
24) Methyl-t-butyl ether	3.047	73	14455	4.67 ug/l	72
25) 1,1-Dichloroethane	3.372	63	22842	4.62 ug/l	94
26) trans-1,2-Dichloroethene	3.047	96	11039	5.04 ug/l	88
27) cis-1,2-Dichloroethene	3.836	61	22156	4.80 ug/l	85
28) Bromochloromethane	4.013	49	11675	5.28 ug/l	83
29) 2,2-Dichloropropane	3.845	77	13369	4.36 ug/l	89
30) 1,4-Dioxane	5.058	88	2855	252.32 ug/l	83
31) 1,1-Dichloropropene	4.309	75	18321	4.83 ug/l	95
32) Chloroform	4.062	83	20582	4.86 ug/l	85
34) Cyclohexane	4.259	56	21378	4.07 ug/l	86
36) 1,2-Dichloroethane	4.447	62	17308	5.24 ug/l	98
37) 2-Butanone	3.836	43	2923	4.13 ug/l	91
38) 1,1,1-Trichloroethane	4.210	97	16612	4.68 ug/l	98
39) Carbon Tetrachloride	4.319	117	15635	5.01 ug/l	99
40) Vinyl Acetate	3.422	43	34201	4.73 ug/l	100
41) Bromodichloromethane	5.137	83	16977	5.03 ug/l	94
42) Methylcyclohexane	4.979	83	18704	4.34 ug/l	84
43) Dibromomethane	5.048	174	7375	5.07 ug/l	91
44) 1,2-Dichloropropane	4.979	63	11451	4.46 ug/l	73
45) Trichloroethene	4.841	130	12703	4.84 ug/l	90
46) Benzene	4.447	78	44533	4.76 ug/l	100
47) tert-Amyl methyl ether	4.506	73	12914	4.43 ug/l	78
49) Dibromochloromethane	6.093	129	9408	5.33 ug/l	85
50) 2-Chloroethylvinylether	5.304	63	3709	4.46 ug/l	97
51) cis-1,3-Dichloropropene	5.403	75	14068	4.68 ug/l	97
52) trans-1,3-Dichloropropene	5.728	75	12225	5.14 ug/l	96
53) 1,1,2-Trichloroethane	5.846	97	7356	5.71 ug/l	95
54) 1,2-Dibromoethane	6.171	107	7393	5.49 ug/l	91
55) 1,3-Dichloropropane	5.945	76	15300	6.45 ug/l	93
56) 4-Methyl-2-Pentanone	5.482	43	6219	4.80 ug/l	94
57) 2-Hexanone	5.974	43	4423	5.02 ug/l	90
58) Tetrachloroethene	5.955	164	12549	5.99 ug/l	98
60) Toluene	5.620	92	28601	5.68 ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.507	133	10159	6.10 ug/l	99
62) Chlorobenzene	6.467	112	31930	6.16 ug/l	98
64) Bromoform	6.960	173	6615	5.51 ug/l	96
65) Ethylbenzene	6.516	106	12961	6.32 ug/l	95
66) 1,1,2,2-Tetrachloroethane	7.196	83	9099	6.04 ug/l	81
68) Styrene	6.832	104	29731	5.96 ug/l	93
69) m&p-Xylenes	6.585	106	38736	11.33 ug/l	88

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 1M54450.D
Acq On : 02/23/10 12:57

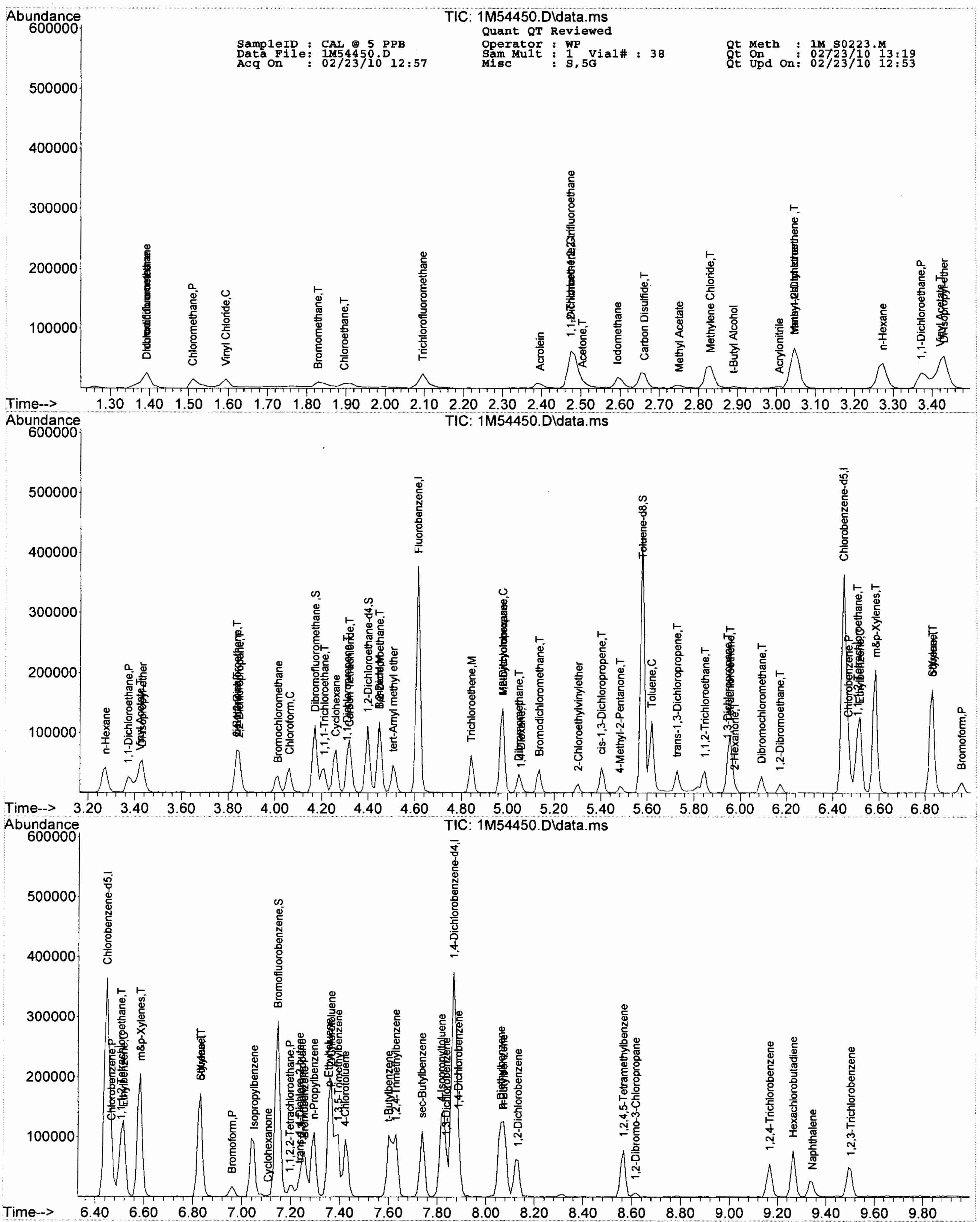
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:19
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.832	106	17114	5.50	ug/l	68
71)	trans-1,4-Dichloro-2-b...	7.236	53	3201m	5.39	ug/l	
72)	1,3-Dichlorobenzene	7.837	146	27666	6.52	ug/l	90
73)	1,4-Dichlorobenzene	7.886	146	27517	6.41	ug/l	81
74)	1,2-Dichlorobenzene	8.133	146	23461	6.07	ug/l	93
75)	Isopropylbenzene	7.049	105	47737	5.43	ug/l	96
76)	Cyclohexanone	7.108	55	1356m	32.15	ug/l	
77)	1,2,3-Trichloropropane	7.246	75	11478	5.87	ug/l	89
78)	2-Chlorotoluene	7.364	91	36792	6.84	ug/l	97
79)	p-Ethyltoluene	7.354	105	60767	5.55	ug/l	90
80)	4-Chlorotoluene	7.423	91	32952	5.98	ug/l	92
81)	n-Propylbenzene	7.295	91	62751	5.67	ug/l	97
82)	Bromobenzene	7.256	77	30404	5.56	ug/l	90
83)	1,3,5-Trimethylbenzene	7.394	105	44996m	6.97	ug/l	
84)	t-Butylbenzene	7.601	119	42023	5.84	ug/l	92
85)	1,2,4-Trimethylbenzene	7.630	105	44866	5.89	ug/l	96
86)	sec-Butylbenzene	7.738	105	51695	5.27	ug/l	98
87)	4-Isopropyltoluene	7.817	119	44201	5.73	ug/l	94
88)	n-Butylbenzene	8.074	91	54740	5.43	ug/l	98
89)	p-Diethylbenzene	8.064	119	27294	5.34	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.566	119	36505	4.78	ug/l	95
91)	1,2-Dibromo-3-Chloropr...	8.616	157	1773	6.23	ug/l	91
92)	Hexachlorobutadiene	9.266	225	15885	5.13	ug/l	99
93)	1,2,4-Trichlorobenzene	9.168	180	16253	5.10	ug/l	99
94)	1,2,3-Trichlorobenzene	9.503	180	16210	5.61	ug/l	97
95)	Naphthalene	9.345	128	18609	4.62	ug/l	100

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



TIC: 1M54450.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 1M54450.D
Acq On : 02/23/10 12:57
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:19
Qt Upd On: 02/23/10 12:53
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
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Naphthalene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54449.D   Sam Mult : 1 Vial# : 37   Qt On : 02/23/10 13:02
Acq On : 02/23/10 12:41   Misc : S,5G   Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.615	96	175599	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	129130	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	76437	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.172	111	47465	28.90 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.33%	
35) 1,2-Dichloroethane-d4	4.398	102	9059	30.54 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.80%	
59) Toluene-d8	5.581	100	121858	33.89 ug/l	0.00
Spiked Amount 30.000			Recovery =	112.97%	
67) Bromofluorobenzene	7.148	174	66142	29.75 ug/l	0.00
Spiked Amount 30.000			Recovery =	99.17%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.393	51	37565	9.90 ug/l	1
6) Dichlorodifluoromethane	1.393	85	20416	6.86 ug/l	95
7) Chloromethane	1.510	50	26761	10.31 ug/l	98
8) Bromomethane	1.828	94	11023	10.15 ug/l	97
9) Vinyl Chloride	1.594	62	18519	9.78 ug/l	97
10) Chloroethane	1.912	64	10184	8.82 ug/l	90
11) Trichlorofluoromethane	2.097	101	40573	9.60 ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.476	101	20024	9.29 ug/l	94
13) Methylene Chloride	2.831	84	23361	9.75 ug/l	92
14) Acrolein	2.398	56	10407	45.91 ug/l	98
15) Acrylonitrile	2.999	53	4808	9.25 ug/l	80
16) Iodomethane	2.595	142	31218	9.33 ug/l	75
17) Acetone	2.506	43	20819	51.30 ug/l	99
18) Carbon Disulfide	2.654	76	58899	9.19 ug/l	100
19) t-Butyl Alcohol	2.890	59	2394	41.18 ug/l	6
20) n-Hexane	3.275	57	31267	8.43 ug/l	89
21) Di-isopropyl-ether	3.423	45	80721	9.48 ug/l	81
22) 1,1-Dichloroethene	2.476	61	44733	9.45 ug/l	94
23) Methyl Acetate	2.742	43	11730	9.92 ug/l	100
24) Methyl-t-butyl ether	3.048	73	28555	9.13 ug/l	65
25) 1,1-Dichloroethane	3.373	63	47849	9.57 ug/l	100
26) trans-1,2-Dichloroethene	3.048	96	21740	9.82 ug/l	85
27) cis-1,2-Dichloroethene	3.836	61	45715	9.79 ug/l	89
28) Bromochloromethane	4.004	49	22998	10.30 ug/l	65
29) 2,2-Dichloropropane	3.846	77	27824	8.97 ug/l	93
30) 1,4-Dioxane	5.049	88	4979	435.57 ug/l	58
31) 1,1-Dichloropropene	4.310	75	37130	9.69 ug/l	98
32) Chloroform	4.063	83	42074	9.84 ug/l	98
34) Cyclohexane	4.260	56	44259	8.33 ug/l	90
36) 1,2-Dichloroethane	4.448	62	34911	10.46 ug/l	99
37) 2-Butanone	3.836	43	7805	10.93 ug/l	88
38) 1,1,1-Trichloroethane	4.211	97	32758	9.13 ug/l	96
39) Carbon Tetrachloride	4.319	117	31640	10.04 ug/l	91
40) Vinyl Acetate	3.423	43	68716	9.40 ug/l	100
41) Bromodichloromethane	5.137	83	33351	9.77 ug/l	96
42) Methylcyclohexane	4.980	83	41024	9.43 ug/l	83
43) Dibromomethane	5.049	174	15608	10.63 ug/l	96
44) 1,2-Dichloropropane	4.980	63	26016	10.04 ug/l	89
45) Trichloroethene	4.842	130	26631	10.05 ug/l	89
46) Benzene	4.448	78	93888	9.92 ug/l	100
47) tert-Amyl methyl ether	4.507	73	27530	9.35 ug/l	83
49) Dibromochloromethane	6.093	129	20720	11.57 ug/l	100
50) 2-Chloroethylvinylether	5.305	63	8297	9.83 ug/l	97
51) cis-1,3-Dichloropropene	5.404	75	31401	10.31 ug/l	94
52) trans-1,3-Dichloropropene	5.729	75	23604	9.80 ug/l	93
53) 1,1,2-Trichloroethane	5.847	97	15508	11.88 ug/l	95
54) 1,2-Dibromoethane	6.172	107	15320	11.22 ug/l	93
55) 1,3-Dichloropropane	5.946	76	28935	12.02 ug/l	100
56) 4-Methyl-2-Pentanone	5.482	43	12935	9.85 ug/l	98
57) 2-Hexanone	5.975	43	8231	9.22 ug/l	91
58) Tetrachloroethene	5.955	164	25915	12.19 ug/l	98
60) Toluene	5.620	92	58476	11.46 ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.507	133	20142	11.93 ug/l	94
62) Chlorobenzene	6.468	112	62208	11.83 ug/l	98
64) Bromoform	6.961	173	13008	10.80 ug/l	90
65) Ethylbenzene	6.517	106	26936	13.09 ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.207	83	17863	11.81 ug/l	78
68) Styrene	6.833	104	61042	12.19 ug/l	94
69) m&p-Xylenes	6.586	106	82775	24.13 ug/l	96

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB
Data File: 1M54449.D
Acq On : 02/23/10 12:41

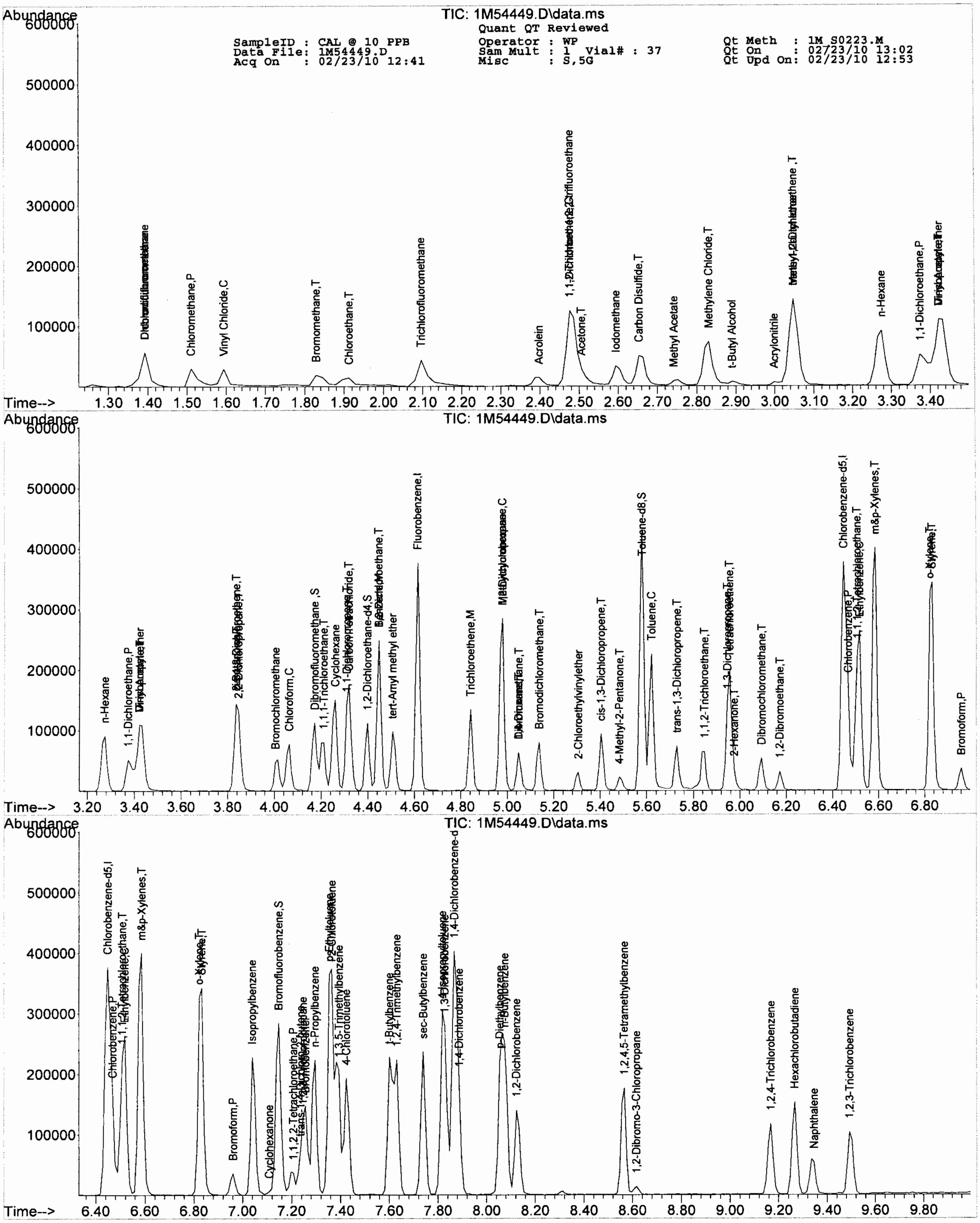
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:02
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.823	106	39592	12.67 ug/l	80
71)	trans-1,4-Dichloro-2-b...	7.237	53	7256	12.18 ug/l	60
72)	1,3-Dichlorobenzene	7.828	146	55438	13.02 ug/l	93
73)	1,4-Dichlorobenzene	7.887	146	54269	12.59 ug/l	89
74)	1,2-Dichlorobenzene	8.124	146	47672	12.29 ug/l	94
75)	Isopropylbenzene	7.040	105	105274	11.94 ug/l	95
76)	Cyclohexanone	7.109	55	2356m	55.67 ug/l	
77)	1,2,3-Trichloropropane	7.247	75	21832	11.12 ug/l	94
78)	2-Chlorotoluene	7.365	91	74887	13.87 ug/l	98
79)	p-Ethyltoluene	7.355	105	126428	11.51 ug/l	96
80)	4-Chlorotoluene	7.424	91	66224	11.98 ug/l	96
81)	n-Propylbenzene	7.296	91	132580	11.95 ug/l	99
82)	Bromobenzene	7.256	77	64088	11.68 ug/l	86
83)	1,3,5-Trimethylbenzene	7.394	105	91253m	14.08 ug/l	
84)	t-Butylbenzene	7.601	119	87678	12.13 ug/l	89
85)	1,2,4-Trimethylbenzene	7.631	105	94969	12.41 ug/l	97
86)	sec-Butylbenzene	7.739	105	118401	12.02 ug/l	98
87)	4-Isopropyltoluene	7.818	119	93517	12.08 ug/l	91
88)	n-Butylbenzene	8.074	91	119343	11.79 ug/l	98
89)	p-Diethylbenzene	8.055	119	60000	11.69 ug/l	99
90)	1,2,4,5-Tetramethylben...	8.567	119	82215	10.74 ug/l	98
91)	1,2-Dibromo-3-Chloropr...	8.617	157	3598	12.61 ug/l	98
92)	Hexachlorobutadiene	9.267	225	31535	10.15 ug/l	97
93)	1,2,4-Trichlorobenzene	9.168	180	33540	10.48 ug/l	96
94)	1,2,3-Trichlorobenzene	9.494	180	32430	11.19 ug/l	96
95)	Naphthalene	9.346	128	42081	10.40 ug/l	100

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



TIC: 1M54449.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 1M54449.D
Acq On : 02/23/10 12:41
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:02
Qt Upd On: 02/23/10 12:53
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54447.D
Acq On : 02/23/10 12:08

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

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:59
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.615	96	174638	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	131337	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.868	152	74780	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.172	111	47902	29.33 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.77%	
35) 1,2-Dichloroethane-d4	4.398	102	8398	28.47 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.90%	
59) Toluene-d8	5.581	100	118552	32.42 ug/l	0.00
Spiked Amount 30.000			Recovery =	108.07%	
67) Bromofluorobenzene	7.148	174	65318	30.03 ug/l	0.00
Spiked Amount 30.000			Recovery =	100.10%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.393	51	166003	43.99 ug/l	1
6) Dichlorodifluoromethane	1.393	85	95145	32.14 ug/l	96
7) Chloromethane	1.510	50	122007	47.26 ug/l	98
8) Bromomethane	1.828	94	48951	45.31 ug/l	97
9) Vinyl Chloride	1.594	62	82637	43.86 ug/l	99
10) Chloroethane	1.895	64	48138	41.93 ug/l	100
11) Trichlorofluoromethane	2.096	101	178084	42.39 ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.476	101	93948	43.83 ug/l	95
13) Methylene Chloride	2.831	84	103044	43.23 ug/l	99
14) Acrolein	2.388	56	53005	235.10 ug/l	100
15) Acrylonitrile	2.999	53	23280	45.03 ug/l	95
16) Iodomethane	2.595	142	152031	45.68 ug/l	74
17) Acetone	2.496	43	87867	217.70 ug/l	96
18) Carbon Disulfide	2.654	76	275963	43.31 ug/l	100
19) t-Butyl Alcohol	2.900	59	13810	238.84 ug/l	86
20) n-Hexane	3.275	57	157351	42.63 ug/l	92
21) Di-isopropyl-ether	3.423	45	395869	46.77 ug/l	87
22) 1,1-Dichloroethene	2.476	61	210604	44.75 ug/l	91
23) Methyl Acetate	2.743	43	53054	45.14 ug/l	100
24) Methyl-t-butyl ether	3.048	73	141957	45.64 ug/l	71
25) 1,1-Dichloroethane	3.373	63	221952	44.64 ug/l	100
26) trans-1,2-Dichloroethene	3.048	96	103546	47.05 ug/l	86
27) cis-1,2-Dichloroethene	3.837	61	216726	46.68 ug/l	90
28) Bromochloromethane	4.014	49	99839	44.96 ug/l	81
29) 2,2-Dichloropropane	3.846	77	139366	45.19 ug/l	92
30) 1,4-Dioxane	5.059	88	27344	2405.25 ug/l	72
31) 1,1-Dichloropropene	4.319	75	177638	46.63 ug/l	93
32) Chloroform	4.063	83	195635	46.01 ug/l	99
34) Cyclohexane	4.260	56	238744	45.19 ug/l	87
36) 1,2-Dichloroethane	4.448	62	148692	44.78 ug/l	96
37) 2-Butanone	3.837	43	31785	44.74 ug/l	93
38) 1,1,1-Trichloroethane	4.211	97	164617	46.16 ug/l	97
39) Carbon Tetrachloride	4.329	117	144385	46.05 ug/l	90
40) Vinyl Acetate	3.423	43	335799	46.17 ug/l	100
41) Bromodichloromethane	5.138	83	159349	46.95 ug/l	94
42) Methylcyclohexane	4.980	83	203966	47.16 ug/l	83
43) Dibromomethane	5.049	174	68215	46.71 ug/l	94
44) 1,2-Dichloropropane	4.980	63	118101	45.82 ug/l	86
45) Trichloroethene	4.842	130	125683	47.69 ug/l	89
46) Benzene	4.448	78	420400	44.68 ug/l	100
47) tert-Amyl methyl ether	4.507	73	135321	46.22 ug/l	88
49) Dibromochloromethane	6.094	129	97911	53.77 ug/l	98
50) 2-Chloroethylvinylether	5.305	63	46744	54.47 ug/l	90
51) cis-1,3-Dichloropropene	5.404	75	168580	54.40 ug/l	96
52) trans-1,3-Dichloropropene	5.729	75	133533	54.49 ug/l	96
53) 1,1,2-Trichloroethane	5.847	97	71798	54.06 ug/l	97
54) 1,2-Dibromoethane	6.172	107	74297	53.51 ug/l	93
55) 1,3-Dichloropropane	5.946	76	134489	54.94 ug/l	95
56) 4-Methyl-2-Pentanone	5.482	43	71142	53.24 ug/l	98
57) 2-Hexanone	5.975	43	49118	54.08 ug/l	91
58) Tetrachloroethene	5.965	164	119344	55.19 ug/l	98
60) Toluene	5.620	92	273105	52.62 ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.507	133	98427	57.31 ug/l	96
62) Chlorobenzene	6.468	112	291937	54.60 ug/l	100
64) Bromoform	6.961	173	65050	55.19 ug/l	97
65) Ethylbenzene	6.517	106	119576	59.39 ug/l	88
66) 1,1,2,2-Tetrachloroethane	7.207	83	79460	53.69 ug/l	84
68) Styrene	6.833	104	306115	62.51 ug/l	85
69) m&p-Xylenes	6.586	106	372853	111.11 ug/l	95

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54447.D
Acq On : 02/23/10 12:08

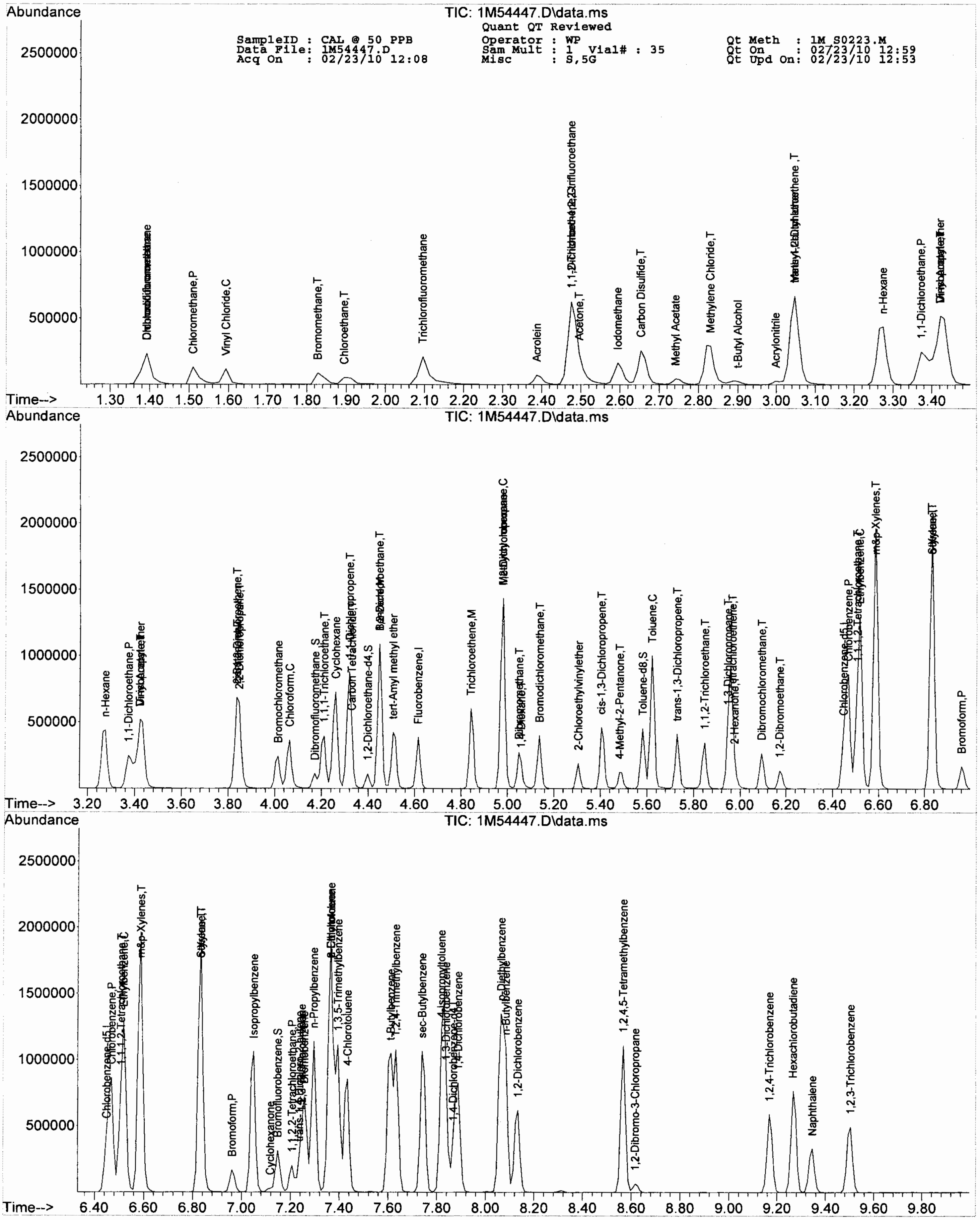
Operator : WP
Sam Mult : 1 Vial# : 35
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:59
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.833	106	182054	59.55 ug/l	82
71)	trans-1,4-Dichloro-2-b...	7.237	53	32669	56.04 ug/l	71
72)	1,3-Dichlorobenzene	7.838	146	240378	57.70 ug/l	93
73)	1,4-Dichlorobenzene	7.887	146	242468	57.51 ug/l	93
74)	1,2-Dichlorobenzene	8.134	146	213586	56.27 ug/l	94
75)	Isopropylbenzene	7.050	105	522348	60.54 ug/l	98
76)	Cyclohexanone	7.119	55	11419	275.78 ug/l	96
77)	1,2,3-Trichloropropane	7.247	75	107049	55.73 ug/l	91
78)	2-Chlorotoluene	7.365	91	316555	59.93 ug/l	94
79)	p-Ethyltoluene	7.365	105	548780	51.07 ug/l	100
80)	4-Chlorotoluene	7.434	91	294165	54.39 ug/l	98
81)	n-Propylbenzene	7.296	91	644637	59.38 ug/l	97
82)	Bromobenzene	7.257	77	300227	55.91 ug/l	85
83)	1,3,5-Trimethylbenzene	7.394	105	456484m	71.98 ug/l	
84)	t-Butylbenzene	7.611	119	433956	61.38 ug/l	89
85)	1,2,4-Trimethylbenzene	7.631	105	455266	60.83 ug/l	97
86)	sec-Butylbenzene	7.739	105	577436	59.91 ug/l	99
87)	4-Isopropyltoluene	7.818	119	459968	60.75 ug/l	94
88)	n-Butylbenzene	8.084	91	582046	58.77 ug/l	100
89)	p-Diethylbenzene	8.065	119	312779	62.30 ug/l	97
90)	1,2,4,5-Tetramethylben...	8.567	119	470885	62.86 ug/l	97
91)	1,2-Dibromo-3-Chloropr...	8.617	157	15106	54.11 ug/l	80
92)	Hexachlorobutadiene	9.267	225	160735	52.89 ug/l	98
93)	1,2,4-Trichlorobenzene	9.169	180	171963	54.93 ug/l	99
94)	1,2,3-Trichlorobenzene	9.504	180	151312	53.38 ug/l	94
95)	Naphthalene	9.346	128	222954	56.32 ug/l	100

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


Abundance
TIC: 1M54447.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M54447.D
Acq On : 02/23/10 12:08
Operator : WP
Sam Mult : 1 Vial# : 35
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:59
Qt Upd On: 02/23/10 12:53
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
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
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
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 (QT Reviewed)

SampleID : CAL @ 100 PPB	Operator : WP	Qt Meth : 1M_S0223.M
Data File: 1M54446.D	Sam Mult : 1 Vial# : 34	Qt On : 02/23/10 12:57
Acq On : 02/23/10 11:52	Misc : S,5G	Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.616	96	163642	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.449	117	122646	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.869	152	72160	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.173	111	44601	29.14 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.13%	
35) 1,2-Dichloroethane-d4	4.399	102	7926	28.67 ug/l	0.00
Spiked Amount 30.000			Recovery =	95.57%	
59) Toluene-d8	5.582	100	111921	32.77 ug/l	0.00
Spiked Amount 30.000			Recovery =	109.23%	
67) Bromofluorobenzene	7.149	174	63804	30.40 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.33%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.393	51	303422	85.80 ug/l	1
6) Dichlorodifluoromethane	1.376	85	195059	70.32 ug/l	93
7) Chloromethane	1.510	50	223368	92.33 ug/l	99
8) Bromomethane	1.829	94	93560	92.41 ug/l	99
9) Vinyl Chloride	1.594	62	149073	84.44 ug/l	99
10) Chloroethane	1.896	64	92551	86.03 ug/l	95
11) Trichlorofluoromethane	2.097	101	353339	89.75 ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.478	101	175487	87.36 ug/l	95
13) Methylene Chloride	2.822	84	189219	84.72 ug/l	90
14) Acrolein	2.389	56	98119	464.44 ug/l	99
15) Acrylonitrile	3.000	53	45494	93.91 ug/l	92
16) Iodomethane	2.596	142	287163	92.08 ug/l	72
17) Acetone	2.497	43	163798	433.11 ug/l	98
18) Carbon Disulfide	2.655	76	536674	89.88 ug/l	100
19) t-Butyl Alcohol	2.891	59	24895	459.49 ug/l	85
20) n-Hexane	3.266	57	309957	89.62 ug/l	91
21) Di-isopropyl-ether	3.424	45	734989	92.67 ug/l	87
22) 1,1-Dichloroethene	2.478	61	404258	91.66 ug/l	91
23) Methyl Acetate	2.744	43	99774	90.59 ug/l	100
24) Methyl-t-butyl ether	3.049	73	265993	91.27 ug/l	70
25) 1,1-Dichloroethane	3.374	63	424837	91.20 ug/l	100
26) trans-1,2-Dichloroethene	3.049	96	194022	94.08 ug/l	83
27) cis-1,2-Dichloroethene	3.838	61	410469	94.36 ug/l	91
28) Bromochloromethane	4.005	49	183354	88.11 ug/l	69
29) 2,2-Dichloropropane	3.847	77	275136	95.20 ug/l	92
30) 1,4-Dioxane	5.050	88	52797	4956.22 ug/l	74
31) 1,1-Dichloropropene	4.311	75	332874	93.24 ug/l	99
32) Chloroform	4.054	83	367109	92.15 ug/l	100
34) Cyclohexane	4.252	56	458290	92.57 ug/l	87
36) 1,2-Dichloroethane	4.449	62	271125	87.14 ug/l	99
37) 2-Butanone	3.838	43	59560	89.48 ug/l	91
38) 1,1,1-Trichloroethane	4.202	97	313769	93.89 ug/l	96
39) Carbon Tetrachloride	4.321	117	273528	93.10 ug/l	93
40) Vinyl Acetate	3.424	43	628976	92.30 ug/l	100
41) Bromodichloromethane	5.139	83	299761	94.26 ug/l	96
42) Methylcyclohexane	4.971	83	378610	93.42 ug/l	83
43) Dibromomethane	5.050	174	127758	93.36 ug/l	94
44) 1,2-Dichloropropane	4.971	63	217258	89.96 ug/l	92
45) Trichloroethene	4.843	130	231974	93.94 ug/l	95
46) Benzene	4.449	78	760746	86.29 ug/l	100
47) tert-Amyl methyl ether	4.508	73	257082	93.71 ug/l	91
49) Dibromochloromethane	6.095	129	183137	107.70 ug/l	100
50) 2-Chloroethylvinylether	5.296	63	95439	119.10 ug/l	89
51) cis-1,3-Dichloropropene	5.405	75	326361	112.78 ug/l	97
52) trans-1,3-Dichloropropene	5.730	75	260056	113.63 ug/l	93
53) 1,1,2-Trichloroethane	5.838	97	130448	105.18 ug/l	91
54) 1,2-Dibromoethane	6.173	107	139871	107.87 ug/l	95
55) 1,3-Dichloropropane	5.947	76	250016	109.38 ug/l	96
56) 4-Methyl-2-Pentanone	5.484	43	138908	111.31 ug/l	99
57) 2-Hexanone	5.976	43	93510	110.25 ug/l	95
58) Tetrachloroethene	5.957	164	215072	106.51 ug/l	100
60) Toluene	5.621	92	497078	102.56 ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.499	133	176993	110.36 ug/l	92
62) Chlorobenzene	6.459	112	538827	107.92 ug/l	99
64) Bromoform	6.962	173	124357	109.34 ug/l	94
65) Ethylbenzene	6.518	106	221696	114.10 ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.198	83	142611	99.86 ug/l	92
68) Styrene	6.834	104	549140	116.20 ug/l	96
69) m&p-Xylenes	6.587	106	663711	204.96 ug/l	100

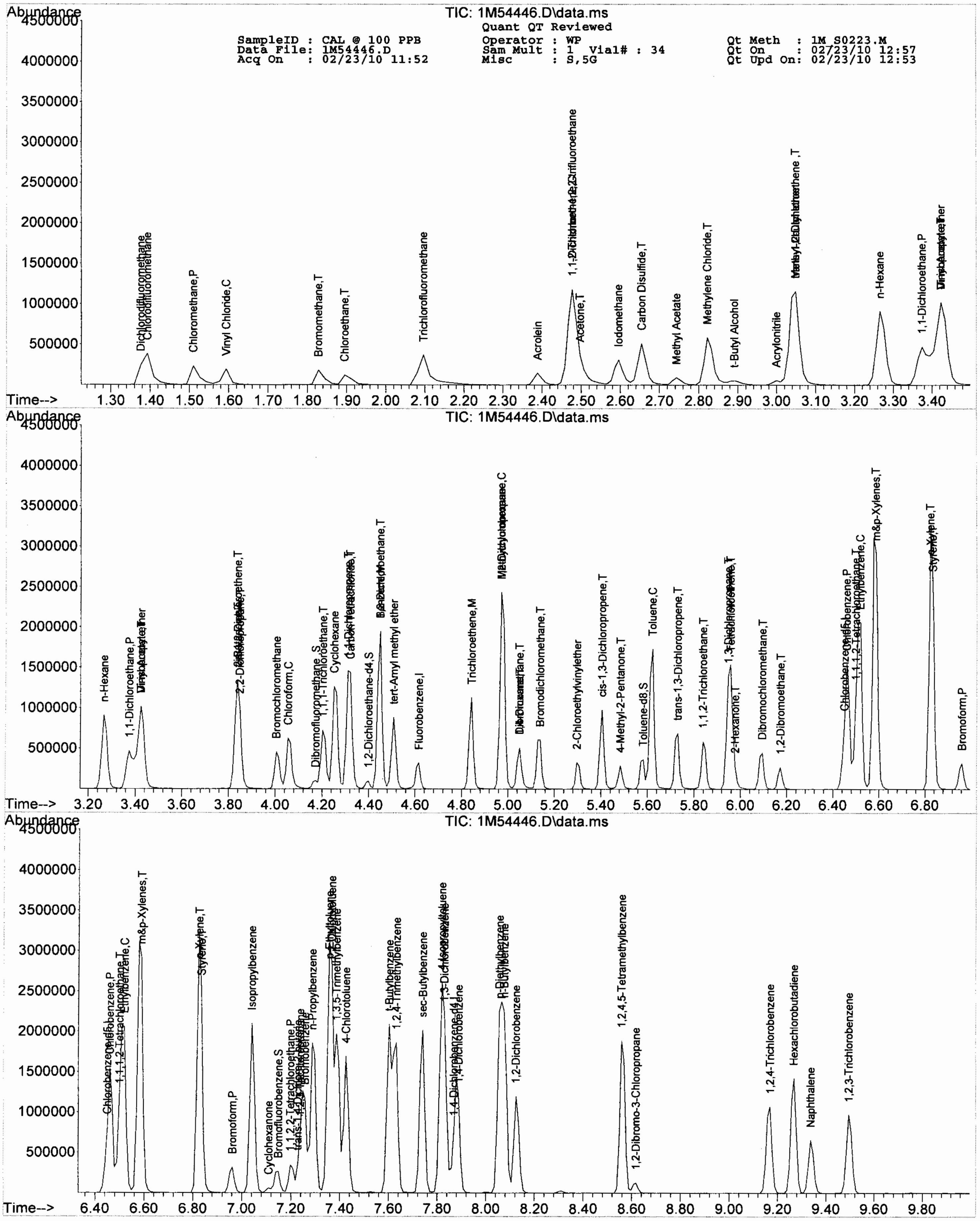
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54446.D   Sam Mult : 1 Vial# : 34   Qt On : 02/23/10 12:57
Acq On : 02/23/10 11:52   Misc : S,5G   Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.824	106	334704	113.46	ug/l	83
71)	trans-1,4-Dichloro-2-b...	7.228	53	61466	109.26	ug/l	74
72)	1,3-Dichlorobenzene	7.829	146	435454	108.32	ug/l	92
73)	1,4-Dichlorobenzene	7.888	146	447017	109.88	ug/l	94
74)	1,2-Dichlorobenzene	8.125	146	393157	107.34	ug/l	93
75)	Isopropylbenzene	7.041	105	983076	118.08	ug/l	98
76)	Cyclohexanone	7.110	55	22908	573.33	ug/l	98
77)	1,2,3-Trichloropropane	7.238	75	205071	110.63	ug/l	90
78)	2-Chlorotoluene	7.366	91	577551	113.31	ug/l	97
79)	p-Ethyltoluene	7.356	105	1075155	103.69	ug/l	96
80)	4-Chlorotoluene	7.425	91	580082	111.14	ug/l	96
81)	n-Propylbenzene	7.287	91	1177282	112.38	ug/l	97
82)	Bromobenzene	7.258	77	570677	110.14	ug/l	85
83)	1,3,5-Trimethylbenzene	7.386	105	728475	119.03	ug/l	97
84)	t-Butylbenzene	7.603	119	795716	116.64	ug/l	89
85)	1,2,4-Trimethylbenzene	7.632	105	821614	113.76	ug/l	96
86)	sec-Butylbenzene	7.740	105	1057657	113.73	ug/l	99
87)	4-Isopropyltoluene	7.819	119	837406	114.62	ug/l	94
88)	n-Butylbenzene	8.076	91	1069047	111.86	ug/l	99
89)	p-Diethylbenzene	8.056	119	573332	118.34	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.559	119	871189	120.52	ug/l	98
91)	1,2-Dibromo-3-Chloropr...	8.618	157	30317	112.53	ug/l	89
92)	Hexachlorobutadiene	9.268	225	298098	101.64	ug/l	98
93)	1,2,4-Trichlorobenzene	9.170	180	327313	108.36	ug/l	97
94)	1,2,3-Trichlorobenzene	9.495	180	294787	107.76	ug/l	97
95)	Naphthalene	9.337	128	432198	113.14	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 100 PPB
Data File: 1M54446.D
Acq On : 02/23/10 11:52
Operator : WP
Sam Mult : 1 Vial# : 34
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:57
Qt Upd On: 02/23/10 12:53
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
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
Ethylbenzene,C
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-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

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB
Data File: 1M54445.D
Acq On : 02/23/10 11:36

Operator : WP
Sam Mult : 1 Vial# : 33
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:55
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.614	96	170328	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	127708	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	69405	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.171	111	43856	27.53 ug/l	0.00
Spiked Amount 30.000			Recovery =	91.77%	
35) 1,2-Dichloroethane-d4	4.398	102	8425	29.28 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.60%	
59) Toluene-d8	5.580	100	117224	32.97 ug/l	0.00
Spiked Amount 30.000			Recovery =	109.90%	
67) Bromofluorobenzene	7.147	174	67981	33.68 ug/l	0.00
Spiked Amount 30.000			Recovery =	112.27%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
5) Chlorodifluoromethane	1.382	51	805709	218.90 ug/l	1
6) Dichlorodifluoromethane	1.382	85	554180	191.95 ug/l	95
7) Chloromethane	1.517	50	479893	190.58 ug/l	100
8) Bromomethane	1.835	94	198060	187.95 ug/l	98
9) Vinyl Chloride	1.584	62	365851	199.10 ug/l	96
10) Chloroethane	1.902	64	212892	190.13 ug/l	96
11) Trichlorofluoromethane	2.086	101	746892	182.27 ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.476	101	392146	187.56 ug/l	95
13) Methylene Chloride	2.821	84	434366	186.84 ug/l	87
14) Acrolein	2.387	56	231523	1052.88 ug/l	99
15) Acrylonitrile	2.998	53	109082	216.33 ug/l	99
16) Iodomethane	2.594	142	677230	208.64 ug/l	73
17) Acetone	2.495	43	375954	955.06 ug/l	99
18) Carbon Disulfide	2.653	76	1235837	198.84 ug/l	100
19) t-Butyl Alcohol	2.890	59	58886	1044.21 ug/l	86
20) n-Hexane	3.264	57	722744	200.78 ug/l	89
21) Di-isopropyl-ether	3.422	45	1643843	199.12 ug/l	86
22) 1,1-Dichloroethene	2.476	61	904937	197.13 ug/l	91
23) Methyl Acetate	2.742	43	225400	196.62 ug/l	100
24) Methyl-t-butyl ether	3.047	73	602637	198.67 ug/l	70
25) 1,1-Dichloroethane	3.373	63	982594	202.64 ug/l	99
26) trans-1,2-Dichloroethene	3.047	96	430343	200.49 ug/l	87
27) cis-1,2-Dichloroethene	3.836	61	908696	200.69 ug/l	89
28) Bromochloromethane	4.003	49	421940	194.81 ug/l	66
29) 2,2-Dichloropropane	3.846	77	625374	207.90 ug/l	93
30) 1,4-Dioxane	5.048	88	121676	10973.76 ug/l	65
31) 1,1-Dichloropropene	4.309	75	695905	187.28 ug/l	97
32) Chloroform	4.062	83	845811	203.97 ug/l	100
34) Cyclohexane	4.260	56	1039109	201.64 ug/l	86
36) 1,2-Dichloroethane	4.447	62	585216	180.71 ug/l	98
37) 2-Butanone	3.836	43	138387	199.74 ug/l	91
38) 1,1,1-Trichloroethane	4.210	97	712851	204.94 ug/l	96
39) Carbon Tetrachloride	4.319	117	604033	197.51 ug/l	92
40) Vinyl Acetate	3.422	43	1437318	202.64 ug/l	100
41) Bromodichloromethane	5.137	83	682756	206.26 ug/l	96
42) Methylcyclohexane	4.979	83	800390	189.73 ug/l	85
43) Dibromomethane	5.048	174	288908	202.84 ug/l	95
44) 1,2-Dichloropropane	4.979	63	456669	181.68 ug/l	90
45) Trichloroethene	4.841	130	511298	198.93 ug/l	90
46) Benzene	4.447	78	1590120	173.29 ug/l	100
47) tert-Amyl methyl ether	4.506	73	597211	209.14 ug/l	93
49) Dibromochloromethane	6.093	129	432725	244.39 ug/l	100
50) 2-Chloroethylvinylether	5.304	63	236486	283.41 ug/l	91
51) cis-1,3-Dichloropropene	5.403	75	770935	255.85 ug/l	98
52) trans-1,3-Dichloropropene	5.728	75	628791	263.85 ug/l	95
53) 1,1,2-Trichloroethane	5.846	97	303408	234.95 ug/l	98
54) 1,2-Dibromoethane	6.172	107	324014	239.98 ug/l	93
55) 1,3-Dichloropropane	5.945	76	532035	223.53 ug/l	96
56) 4-Methyl-2-Pentanone	5.482	43	331115	254.82 ug/l	100
57) 2-Hexanone	5.974	43	221759	251.10 ug/l	98
58) Tetrachloroethene	5.955	164	452510	215.21 ug/l	98
60) Toluene	5.620	92	1078990	213.79 ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.507	133	386574	231.48 ug/l	98
62) Chlorobenzene	6.467	112	1177913	226.57 ug/l	97
64) Bromoform	6.960	173	300140	274.37 ug/l	96
65) Ethylbenzene	6.517	106	450990	241.33 ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.206	83	340622	247.97 ug/l	91
68) Styrene	6.832	104	1088011	239.37 ug/l	84
69) m&p-Xylenes	6.585	106	1282006	411.62 ug/l	99

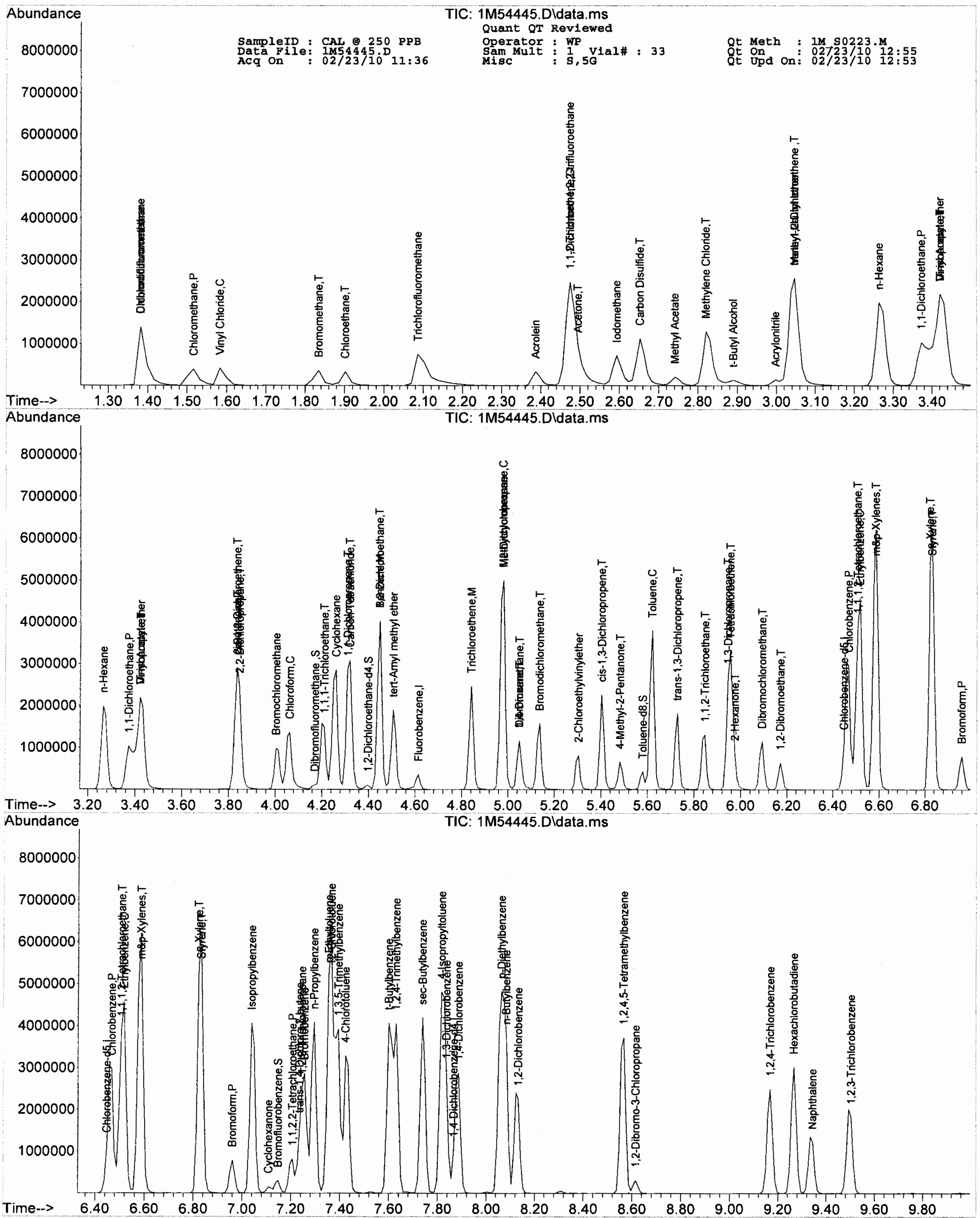
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54445.D   Sam Mult : 1 Vial# : 33   Qt On : 02/23/10 12:55
Acq On : 02/23/10 11:36   Misc : S,5G   Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.822	106	677436	238.76 ug/l	83
71) trans-1,4-Dichloro-2-b...	7.236	53	145698	269.27 ug/l	69
72) 1,3-Dichlorobenzene	7.837	146	863120	223.22 ug/l	90
73) 1,4-Dichlorobenzene	7.886	146	967033	247.15 ug/l	93
74) 1,2-Dichlorobenzene	8.133	146	857907	243.51 ug/l	92
75) Isopropylbenzene	7.039	105	2040568	254.83 ug/l	96
76) Cyclohexanone	7.108	55	54671	1422.59 ug/l	99
77) 1,2,3-Trichloropropane	7.246	75	468052	262.52 ug/l	89
78) 2-Chlorotoluene	7.364	91	1031217	210.35 ug/l	93
79) p-Ethyltoluene	7.354	105	1935845	194.10 ug/l	93
80) 4-Chlorotoluene	7.423	91	1095680	218.26 ug/l	96
81) n-Propylbenzene	7.295	91	2441196	242.28 ug/l	95
82) Bromobenzene	7.256	77	1260465	252.93 ug/l	84
83) 1,3,5-Trimethylbenzene	7.394	105	1599643m	271.76 ug/l	
84) t-Butylbenzene	7.601	119	1655172	252.25 ug/l	87
85) 1,2,4-Trimethylbenzene	7.630	105	1689124	243.16 ug/l	96
86) sec-Butylbenzene	7.739	105	2187479	244.55 ug/l	100
87) 4-Isopropyltoluene	7.817	119	1651531	235.03 ug/l	92
88) n-Butylbenzene	8.084	91	2164323	235.46 ug/l	99
89) p-Diethylbenzene	8.064	119	1163442	249.68 ug/l	95
90) 1,2,4,5-Tetramethylben...	8.567	119	1826806	262.74 ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.616	157	70215	270.98 ug/l	85
92) Hexachlorobutadiene	9.266	225	636873	225.78 ug/l	97
93) 1,2,4-Trichlorobenzene	9.168	180	722531	248.69 ug/l	97
94) 1,2,3-Trichlorobenzene	9.503	180	639339	242.99 ug/l	97
95) Naphthalene	9.345	128	951900	259.09 ug/l	100

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



Abundance
TIC: 1M54445.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 1M54445.D
Acq On : 02/23/10 11:36
Operator : WP
Sam Mult : 1 Vial# : 33
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:55
Qt Upd On: 02/23/10 12:53
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
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
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
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 @ 500 PPB
Data File: 1M54444.D
Acq On : 02/23/10 11:20

Operator : WP
Sam Mult : 1 Vial# : 32
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:53
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.615	96	165816	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	124453	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.868	152	62415	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.172	111	44522	28.71 ug/l	0.00
Spiked Amount 30.000			Recovery =	95.70%	
35) 1,2-Dichloroethane-d4	4.398	102	7394	26.40 ug/l	0.00
Spiked Amount 30.000			Recovery =	88.00%	
59) Toluene-d8	5.581	100	114994	33.19 ug/l	0.00
Spiked Amount 30.000			Recovery =	110.63%	
67) Bromofluorobenzene	7.148	174	66257	36.50 ug/l	0.00
Spiked Amount 30.000			Recovery =	121.67%	

Compound	R.T.	QIon	Response	Conc Units	Qvalue
Target Compounds					
5) Chlorodifluoromethane	1.393	51	1314959	366.98 ug/l	1
6) Dichlorodifluoromethane	1.376	85	960863	341.87 ug/l	96
7) Chloromethane	1.510	50	957235	390.49 ug/l	100
8) Bromomethane	1.829	94	344643	335.96 ug/l	98
9) Vinyl Chloride	1.594	62	627871	350.99 ug/l	98
10) Chloroethane	1.896	64	384671	352.89 ug/l	95
11) Trichlorofluoromethane	2.097	101	1374746	344.61 ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.477	101	674187	331.23 ug/l	93
13) Methylene Chloride	2.822	84	785032	346.87 ug/l	89
14) Acrolein	2.388	56	433977	2027.27 ug/l	99
15) Acrylonitrile	2.999	53	194590	396.40 ug/l	99
16) Iodomethane	2.595	142	1190181	376.64 ug/l	74
17) Acetone	2.496	43	683988	1784.85 ug/l	98
18) Carbon Disulfide	2.654	76	2188133	361.65 ug/l	100
19) t-Butyl Alcohol	2.890	59	120307	2191.42 ug/l	92
20) n-Hexane	3.265	57	1249086	356.44 ug/l	91
21) Di-isopropyl-ether	3.423	45	2824336	351.42 ug/l	87
22) 1,1-Dichloroethene	2.477	61	1577127	352.91 ug/l	91
23) Methyl Acetate	2.743	43	413638	370.63 ug/l	100
24) Methyl-t-butyl ether	3.048	73	1040600	352.38 ug/l	70
25) 1,1-Dichloroethane	3.373	63	1755030	371.80 ug/l	100
26) trans-1,2-Dichloroethene	3.048	96	732580	350.58 ug/l	87
27) cis-1,2-Dichloroethene	3.837	61	1543313	350.12 ug/l	89
28) Bromochloromethane	4.004	49	785928	372.73 ug/l	69
29) 2,2-Dichloropropane	3.847	77	1108184	378.43 ug/l	92
30) 1,4-Dioxane	5.049	88	210728	19522.36 ug/l	65
31) 1,1-Dichloropropene	4.310	75	1123759	310.66 ug/l	97
32) Chloroform	4.063	83	1492486	369.72 ug/l	98
34) Cyclohexane	4.260	56	1749342	348.70 ug/l	87
36) 1,2-Dichloroethane	4.448	62	957564	303.73 ug/l	95
37) 2-Butanone	3.837	43	236178	350.16 ug/l	90
38) 1,1,1-Trichloroethane	4.201	97	1255842	370.87 ug/l	96
39) Carbon Tetrachloride	4.329	117	981691	329.74 ug/l	89
40) Vinyl Acetate	3.423	43	2535083	367.14 ug/l	100
41) Bromodichloromethane	5.138	83	1187657	368.55 ug/l	94
42) Methylcyclohexane	4.980	83	1247063	303.66 ug/l	87
43) Dibromomethane	5.049	174	504725	364.01 ug/l	95
44) 1,2-Dichloropropane	4.980	63	722487	295.25 ug/l	90
45) Trichloroethene	4.842	130	854068	341.32 ug/l	91
46) Benzene	4.448	78	2553027	285.80 ug/l	100
47) tert-Amyl methyl ether	4.507	73	1044682	375.80 ug/l	93
49) Dibromochloromethane	6.094	129	777723	450.72 ug/l	98
50) 2-Chloroethylvinylether	5.305	63	431927	531.18 ug/l	92
51) cis-1,3-Dichloropropene	5.404	75	1341358	456.80 ug/l	100
52) trans-1,3-Dichloropropene	5.729	75	1129625	486.41 ug/l	94
53) 1,1,2-Trichloroethane	5.847	97	541434	430.23 ug/l	99
54) 1,2-Dibromoethane	6.172	107	591804	449.79 ug/l	94
55) 1,3-Dichloropropane	5.946	76	869451	374.84 ug/l	98
56) 4-Methyl-2-Pentanone	5.483	43	601695	475.17 ug/l	94
57) 2-Hexanone	5.975	43	394708	458.62 ug/l	98
58) Tetrachloroethene	5.956	164	702840	343.01 ug/l	99
60) Toluene	5.621	92	1760897	358.03 ug/l	88
61) 1,1,1,2-Tetrachloroethane	6.508	133	620594	381.33 ug/l	100
62) Chlorobenzene	6.468	112	1918914	378.76 ug/l	97
64) Bromoform	6.961	173	547717	556.76 ug/l	96
65) Ethylbenzene	6.517	106	658799	392.02 ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.207	83	614830	497.73 ug/l	90
68) Styrene	6.833	104	1583889	387.50 ug/l	77
69) m&p-Xylenes	6.586	106	1814179	647.72 ug/l	100

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB
Data File: 1M54444.D
Acq On : 02/23/10 11:20

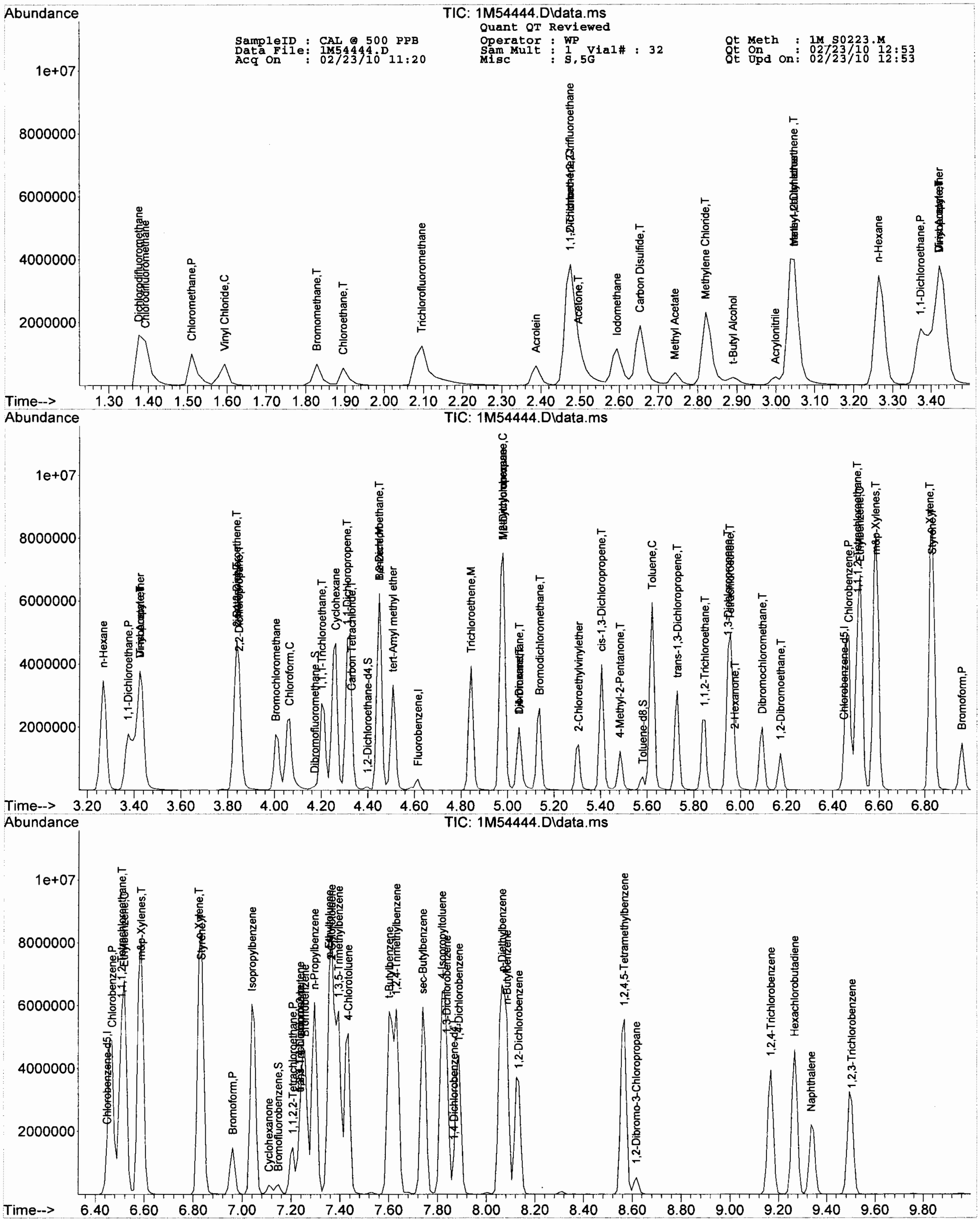
Operator : WP
Sam Mult : 1 Vial# : 32
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:53
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.823	106	976275	382.62 ug/l	84
71) trans-1,4-Dichloro-2-b...	7.237	53	256331	526.78 ug/l	65
72) 1,3-Dichlorobenzene	7.838	146	1241365	357.00 ug/l	90
73) 1,4-Dichlorobenzene	7.887	146	1493028	424.31 ug/l	92
74) 1,2-Dichlorobenzene	8.134	146	1349111	425.83 ug/l	91
75) Isopropylbenzene	7.040	105	3112426	432.21 ug/l	95
76) Cyclohexanone	7.109	55	97912	2833.08 ug/l	98
77) 1,2,3-Trichloropropane	7.237	75	794656	495.63 ug/l	88
78) 2-Chlorotoluene	7.365	91	1311326	297.44 ug/l	92
79) p-Ethyltoluene	7.355	105	2669784	297.67 ug/l	90
80) 4-Chlorotoluene	7.434	91	1682655	372.72 ug/l	96
81) n-Propylbenzene	7.296	91	3674264	405.50 ug/l	94
82) Bromobenzene	7.257	77	2041312	455.49 ug/l	84
83) 1,3,5-Trimethylbenzene	7.395	105	2383435	450.26 ug/l	46
84) t-Butylbenzene	7.602	119	2448777	414.99 ug/l	85
85) 1,2,4-Trimethylbenzene	7.631	105	2507299	401.36 ug/l	96
86) sec-Butylbenzene	7.740	105	3179677	395.28 ug/l	100
87) 4-Isopropyltoluene	7.818	119	2282003	361.12 ug/l	90
88) n-Butylbenzene	8.084	91	3097247	374.69 ug/l	98
89) p-Diethylbenzene	8.065	119	1629493	388.87 ug/l	95
90) 1,2,4,5-Tetramethylben...	8.567	119	2687158	429.76 ug/l	100
91) 1,2-Dibromo-3-Chloropr...	8.617	157	122370	525.14 ug/l	84
92) Hexachlorobutadiene	9.267	225	1003343	395.53 ug/l	97
93) 1,2,4-Trichlorobenzene	9.169	180	1179767	451.54 ug/l	97
94) 1,2,3-Trichlorobenzene	9.504	180	1023408	432.52 ug/l	95
95) Naphthalene	9.336	128	1566245	474.05 ug/l	100

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



TIC: 1M54444.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 1M54444.D
Acq On : 02/23/10 11:20
Operator : WP
Sam Mult : 1 Vial# : 32
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 12:53
Qt Upd On: 02/23/10 12:53
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
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,1-Dichloropropene,T
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
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
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 @ 1 PPB
Data File: 1M54453.D
Acq On : 02/23/10 13:45

Operator : WP
Sam Mult : 1 Vial# : 41
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 14:04
Qt Upd On: 02/23/10 14:02

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.614	96	159490	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	123308	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	71915	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.171	111	45065	31.38 ug/l	0.00
Spiked Amount 30.000			Recovery	= 104.60%	
35) 1,2-Dichloroethane-d4	4.398	102	7821	30.04 ug/l	0.00
Spiked Amount 30.000			Recovery	= 100.13%	
59) Toluene-d8	5.580	100	103882	27.84 ug/l	0.00
Spiked Amount 30.000			Recovery	= 92.80%	
67) Bromofluorobenzene	0.000	174	0d	0.00 ug/l	
Spiked Amount 30.000			Recovery	= 0.00%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D. d	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D.	
15) Acrylonitrile	0.000		0	N.D.	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D.	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	3.047	73	2977	1.18 ug/l #	54
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	0.000		0	N.D. d	
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	0.000		0	N.D. d	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.447	78	10540	1.37 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	0.000		0	N.D. d	
50) 2-Chloroethylvinylether	0.000		0	N.D.	
51) cis-1,3-Dichloropropene	0.000		0	N.D. d	
52) trans-1,3-Dichloropropene	0.000		0	N.D. d	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D.	
58) Tetrachloroethene	0.000		0	N.D. d	
60) Toluene	5.620	92	7206	1.47 ug/l	89
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	6.517	106	2658	1.17 ug/l	92
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.586	106	8235	2.39 ug/l	87

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB
Data File: 1M54453.D
Acq On : 02/23/10 13:45

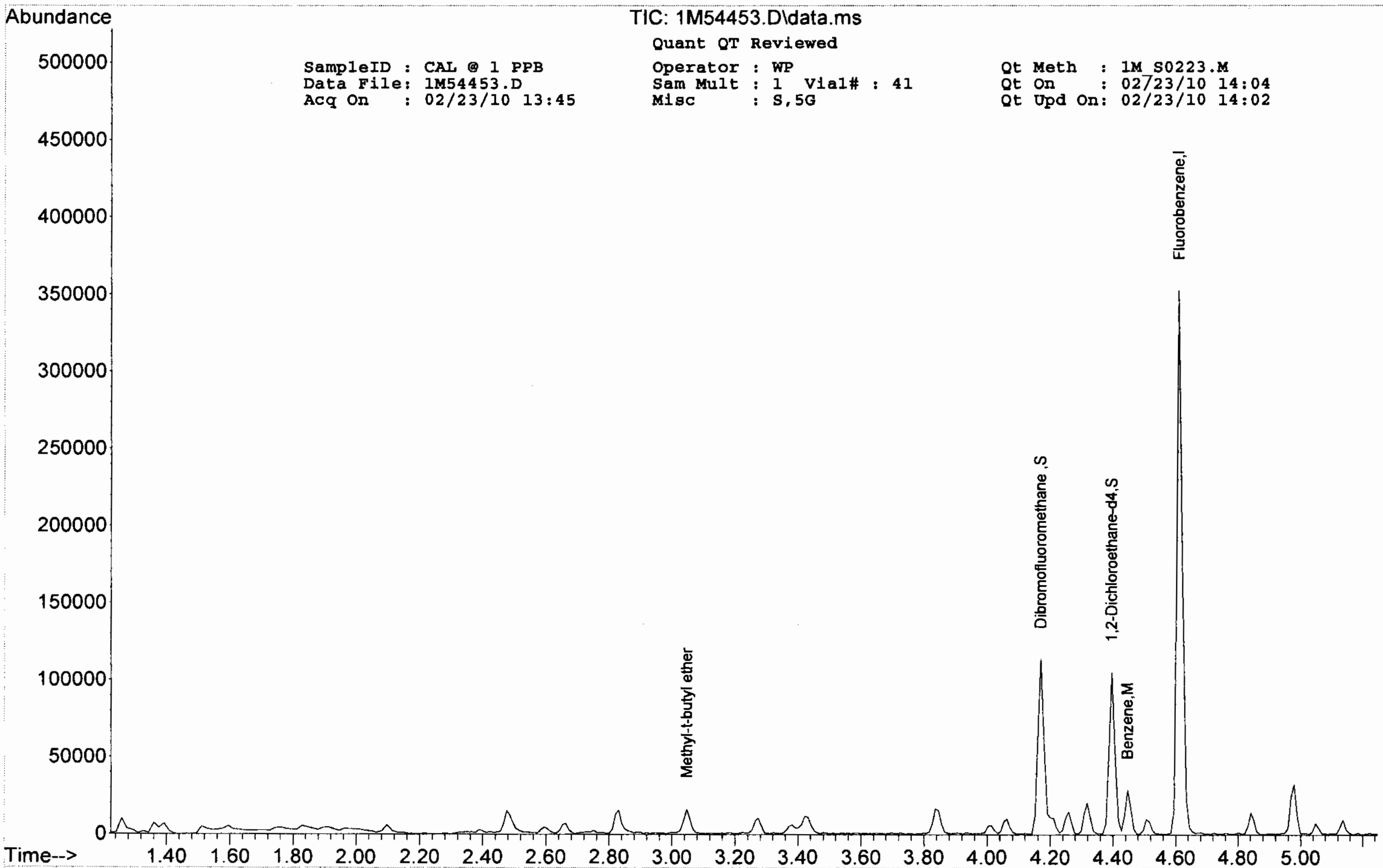
Operator : WP
Sam Mult : 1 Vial# : 41
Misc : S,5G

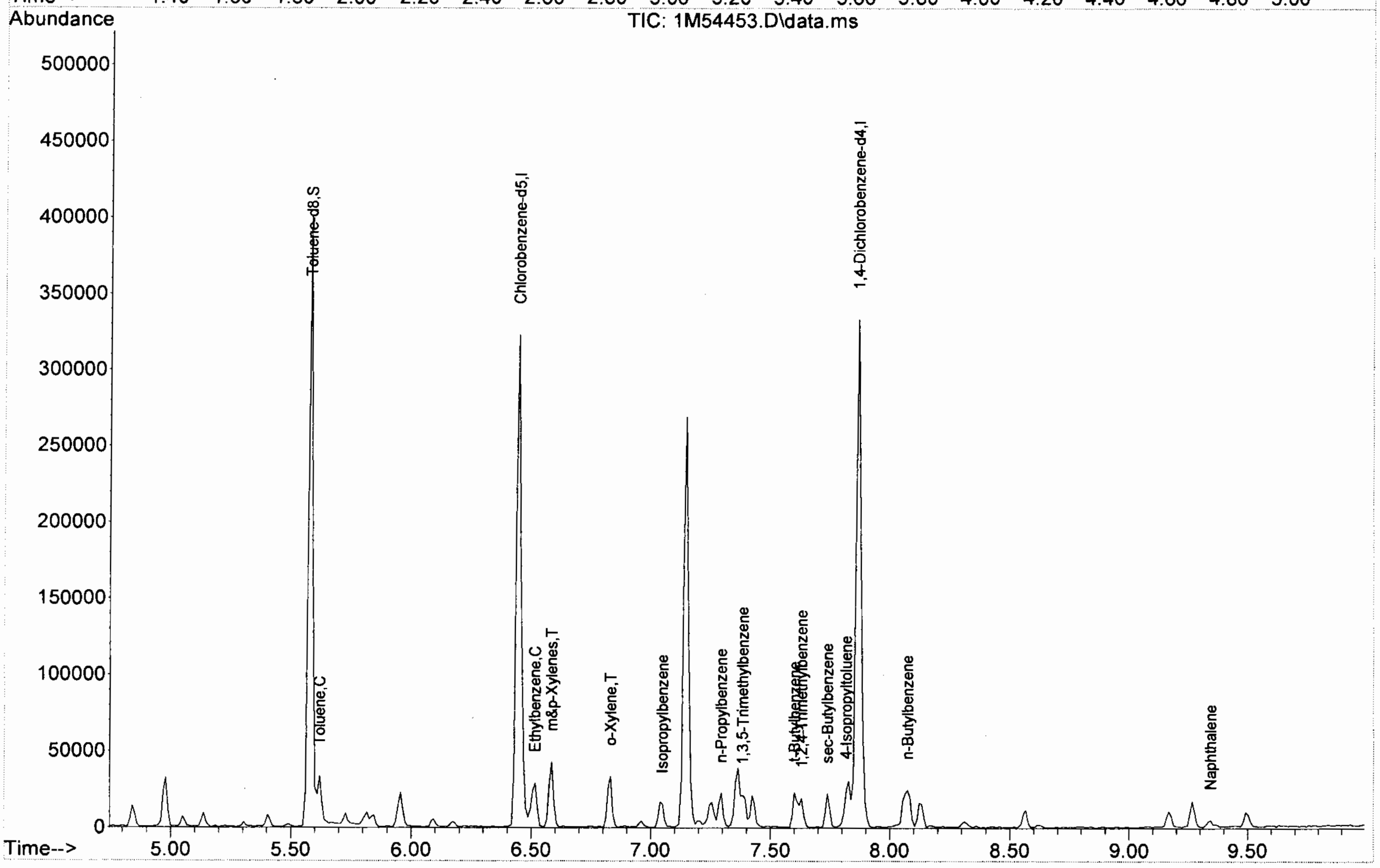
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 14:04
Qt Upd On: 02/23/10 14:02

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.832	106	3527	1.08 ug/l	81
71)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
72)	1,3-Dichlorobenzene	0.000		0	N.D. d	
73)	1,4-Dichlorobenzene	0.000		0	N.D. d	
74)	1,2-Dichlorobenzene	0.000		0	N.D. d	
75)	Isopropylbenzene	7.049	105	9456	1.02 ug/l	97
76)	Cyclohexanone	0.000		0	N.D.	
77)	1,2,3-Trichloropropane	0.000		0	N.D. d	
78)	2-Chlorotoluene	0.000		0	N.D. d	
79)	p-Ethyltoluene	0.000		0	N.D. d	
80)	4-Chlorotoluene	0.000		0	N.D. d	
81)	n-Propylbenzene	7.295	91	13274	1.14 ug/l	100
82)	Bromobenzene	0.000		0	N.D. d	
83)	1,3,5-Trimethylbenzene	7.384	105	9209m	1.17 ug/l	
84)	t-Butylbenzene	7.601	119	7728	1.01 ug/l	81
85)	1,2,4-Trimethylbenzene	7.630	105	8024	1.00 ug/l	92
86)	sec-Butylbenzene	7.739	105	9749	0.98 ug/l	92
87)	4-Isopropyltoluene	7.817	119	8177	1.03 ug/l	88
88)	n-Butylbenzene	8.074	91	11426	1.11 ug/l	98
89)	p-Diethylbenzene	0.000		0	N.D. d	
90)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
91)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
92)	Hexachlorobutadiene	0.000		0	N.D. d	
93)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
94)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
95)	Naphthalene	9.345	128	3878	0.97 ug/l	100

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


Abundance
TIC: 1M54453.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 1M54453.D
Acq On : 02/23/10 13:45
Operator : WP
Sam Mult : 1 Vial# : 41
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 14:04
Qt Upd On: 02/23/10 14:02
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Time-->


Abundance
TIC: 1M54453.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
n-Propylbenzene
1,3,5-Trimethylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Naphthalene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB
Data File: 1M54452.D
Acq On : 02/23/10 13:29

Operator : WP
Sam Mult : 1 Vial# : 40
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:46
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.615	96	165344	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.448	117	124287	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	70751	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.171	111	47060	30.43 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.43%	
35) 1,2-Dichloroethane-d4	4.398	102	8793	31.48 ug/l	0.00
Spiked Amount 30.000			Recovery =	104.93%	
59) Toluene-d8	5.581	100	107983	31.20 ug/l	0.00
Spiked Amount 30.000			Recovery =	104.00%	
67) Bromofluorobenzene	7.148	174	57808	28.09 ug/l	0.00
Spiked Amount 30.000			Recovery =	93.63%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D.	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D. d	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D.	
15) Acrylonitrile	0.000		0	N.D.	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D.	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D.	
24) Methyl-t-butyl ether	0.000		0	N.D. d	
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D.	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	0.000		0	N.D. d	
37) 2-Butanone	0.000		0	N.D.	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	0.000		0	N.D. d	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D.	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	0.000		0	N.D. d	
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	0.000		0	N.D. d	
50) 2-Chloroethylvinylether	0.000		0	N.D.	
51) cis-1,3-Dichloropropene	0.000		0	N.D. d	
52) trans-1,3-Dichloropropene	0.000		0	N.D. d	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D.	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D.	
58) Tetrachloroethene	0.000		0	N.D. d	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D.	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.586	106	3747	1.18 ug/l	78

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB
Data File: 1M54452.D
Acq On : 02/23/10 13:29

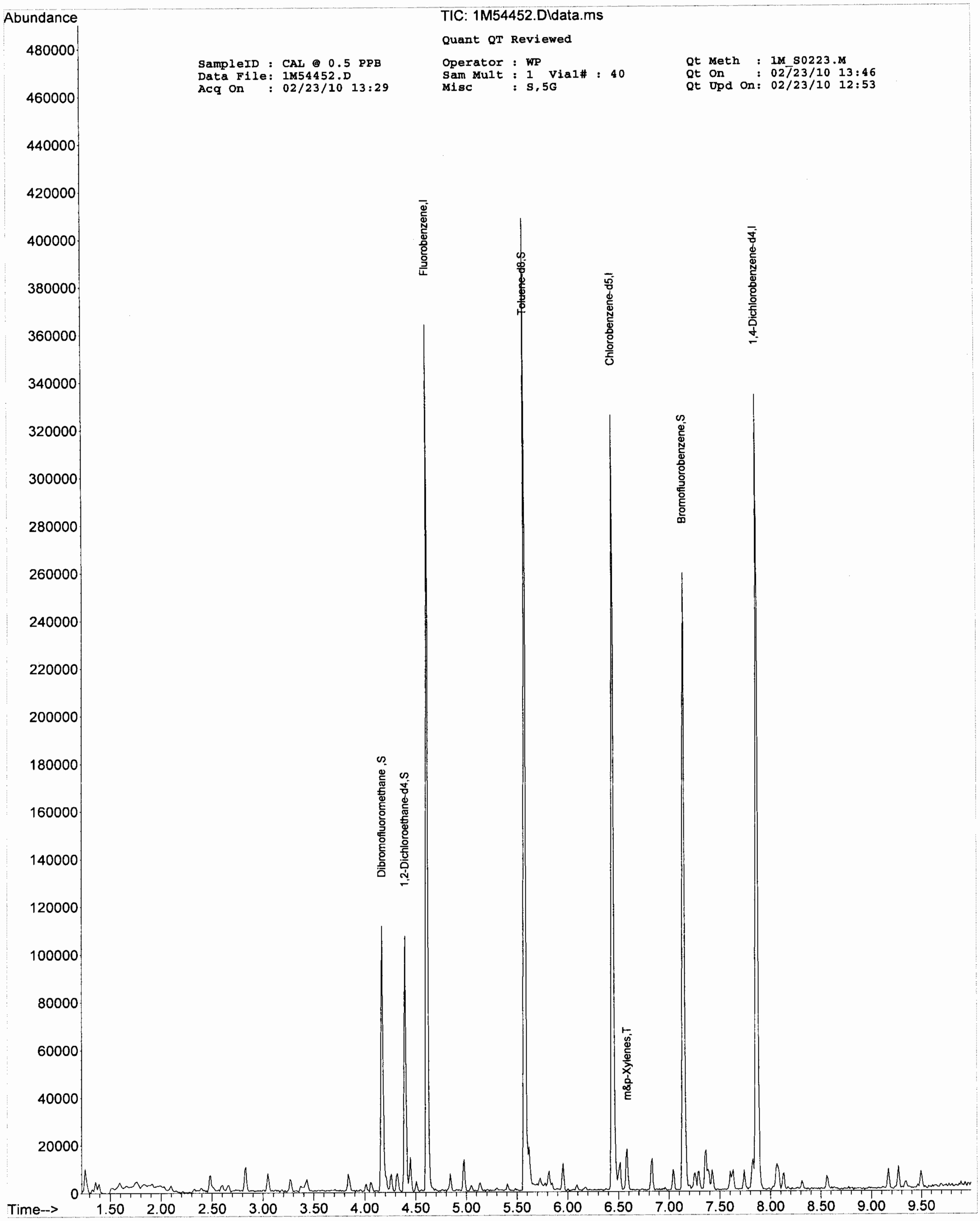
Operator : WP
Sam Mult : 1 Vial# : 40
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:46
Qt Upd On: 02/23/10 12:53

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	0.000		0	N.D. d	
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
72) 1,3-Dichlorobenzene	0.000		0	N.D. d	
73) 1,4-Dichlorobenzene	0.000		0	N.D. d	
74) 1,2-Dichlorobenzene	0.000		0	N.D. d	
75) Isopropylbenzene	0.000		0	N.D. d	
76) Cyclohexanone	0.000		0	N.D.	
77) 1,2,3-Trichloropropane	0.000		0	N.D. d	
78) 2-Chlorotoluene	0.000		0	N.D. d	
79) p-Ethyltoluene	0.000		0	N.D. d	
80) 4-Chlorotoluene	0.000		0	N.D. d	
81) n-Propylbenzene	0.000		0	N.D. d	
82) Bromobenzene	0.000		0	N.D. d	
83) 1,3,5-Trimethylbenzene	0.000		0	N.D. d	
84) t-Butylbenzene	0.000		0	N.D. d	
85) 1,2,4-Trimethylbenzene	0.000		0	N.D. d	
86) sec-Butylbenzene	0.000		0	N.D. d	
87) 4-Isopropyltoluene	0.000		0	N.D. d	
88) n-Butylbenzene	0.000		0	N.D. d	
89) p-Diethylbenzene	0.000		0	N.D. d	
90) 1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
91) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
92) Hexachlorobutadiene	0.000		0	N.D. d	
93) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
94) 1,2,3-Trichlorobenzene	0.000		0	N.D. d	
95) Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 1M54452.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 1M54452.D
Acq On : 02/23/10 13:29
Operator : WP
Sam Mult : 1 Vial# : 40
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 02/23/10 13:46
Qt Upd On: 02/23/10 12:53
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
1,4-Dichlorobenzene-d4,I
Bromofluorobenzene,S
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
m&p-Xylenes,T
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M54897.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2010 1:49:00 PM 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	64.26				0.599			
Dichlorodifluoromethane	1	0		1.38	56.21	50			0.350	0.393	12.42	
Chloromethane	1	0	CP	1.50	39.64	50	0.1		0.416	0.330	20.72	
Bromomethane	1	0		1.83	36.99	50			0.161	0.119	26.02	
Vinyl Chloride	1	0	CC	1.58	43.77	50	20		0.282	0.247	12.46	
Chloroethane	1	0		1.90	40.71	50			0.163	0.132	18.58	
Trichlorofluoromethane	1	0		2.08	53.02	50			0.610	0.647	6.04	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.47	54.12	50			0.314	0.340	8.24	
Methylene Chloride	1	0		2.81	48.87	50			0.359	0.351	2.26	
Acrolein	1	0		2.38	242.25	250			0.035	0.034	3.10	
Acrylonitrile	1	0		2.99	51.11	50			0.079	0.081	2.22	
Iodomethane	1	0		2.58	50.73	50			0.509	0.517	1.46	
Acetone	1	0		2.49	271.51	250			0.063	0.063	8.60	
Carbon Disulfide	1	0		2.64	46.30	50			0.947	0.877	7.40	
t-Butyl Alcohol	1	0		2.88	256.79	250			0.009	0.009	2.72	
n-Hexane	1	0		3.25	58.47	50			0.516	0.603	16.94	
Di-isopropyl-ether	1	0		3.41	52.97	50			1.274	1.349	5.94	
1.1-Dichloroethene	1	0	CC	2.47	52.24	50	20		0.704	0.735	4.48	
Methyl Acetate	1	0		2.73	48.42	50			0.182	0.176	3.16	
Methyl-t-butyl ether	1	0		3.04	51.48	50			0.476	0.490	2.96	
1.1-Dichloroethane	1	0	CP	3.36	51.33	50	0.1		0.754	0.774	2.66	
trans-1.2-Dichloroethene	1	0		3.04	52.08	50			0.345	0.359	4.16	
cis-1.2-Dichloroethene	1	0		3.83	50.60	50			0.716	0.725	1.20	
Bromochloromethane	1	0		3.99	49.55	50			0.346	0.343	0.90	
2.2-Dichloropropane	1	0		3.84	50.45	50			0.464	0.468	0.90	
1.4-Dioxane	1	0		5.05	2771.73	2500			0.002	0.002	10.87	
1.1-Dichloropropene	1	0		4.31	51.45	50			0.605	0.623	2.90	
Chloroform	1	0	CC	4.05	52.20	50	20		0.659	0.688	4.40	
Dibromofluoromethane	1	0	S	4.16	30.14	75			0.270	0.271	0.47	
Cyclohexane	1	0		4.25	55.18	50			0.765	0.844	10.36	
1.2-Dichloroethane-d4	1	0	S	4.39	30.88	75			0.049	0.050	2.93	
1.2-Dichloroethane	1	0		4.44	49.28	50			0.528	0.520	1.44	
2-Butanone	1	0		3.83	53.30	50			0.107	0.114	6.60	
1.1.1-Trichloroethane	1	0		4.20	52.44	50			0.546	0.572	4.88	
Carbon Tetrachloride	1	0		4.32	52.07	50			0.486	0.507	4.14	
Vinyl Acetate	1	0		3.41	50.32	50			1.110	1.117	0.64	
Bromodichloromethane	1	0		5.13	51.42	50			0.531	0.546	2.84	
Methylcyclohexane	1	0		4.97	57.87	50			0.674	0.781	15.74	
Dibromomethane	1	0		5.04	55.01	50			0.233	0.257	10.02	
1.2-Dichloropropane	1	0	CC	4.97	49.53	50	20		0.401	0.397	0.94	
Trichloroethene	1	0		4.83	53.42	50			0.409	0.437	6.84	
Benzene	1	0		4.44	60.86	50			1.520	1.425	21.72	
tert-Amyl methyl ether	1	0		4.50	50.96	50			0.448	0.457	1.92	
Chlorobenzene-d5	1	0	I	6.44	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.08	49.54	50			0.438	0.434	0.92	
2-Chloroethylvinylether	1	0		5.29	50.40	50			0.206	0.208	0.80	
cis-1.3-Dichloropropene	1	0		5.39	47.76	50			0.729	0.697	4.48	
trans-1.3-Dichloropropene	1	0		5.72	46.82	50			0.587	0.549	6.36	
1.1.2-Trichloroethane	1	0		5.84	47.80	50			0.321	0.307	4.40	
1.2-Dibromoethane	1	0		6.16	49.79	50			0.332	0.331	0.42	
1.3-Dichloropropane	1	0		5.94	45.36	50			0.631	0.572	9.28	
4-Methyl-2-Pentanone	1	0		5.47	48.17	50			0.311	0.300	3.66	
2-Hexanone	1	0		5.96	48.51	50			0.210	0.204	2.98	
Tetrachloroethene	1	0		5.96	47.77	50			0.549	0.525	4.46	
Toluene-d8	1	0	S	5.57	28.06	75			0.900	0.842	6.47	
Toluene	1	0	CC	5.61	53.88	50	20		1.325	1.132	7.76	
1.1.1.2-Tetrachloroethane	1	0		6.50	47.76	50			0.443	0.423	4.48	
Chlorobenzene	1	0	CP	6.46	45.19	50	0.3		1.356	1.226	9.62	
1.4-Dichlorobenzene-d4	1	0	I	7.86	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.95	44.33	50	0.1		0.519	0.460	11.34	
Ethylbenzene	1	0	CC	6.51	43.94	50	20		0.992	0.872	12.12	
1.1.2.2-Tetrachloroethane	1	0	CP	7.20	41.65	50	0.3		0.638	0.531	16.70	
Bromofluorobenzene	1	0	S	7.14	29.07	75			0.890	0.862	3.10	
Styrene	1	0		6.82	45.42	50			2.307	2.095	9.16	
m&p-Xylenes	1	0		6.58	87.17	100			1.505	1.312	12.83	
o-Xylene	1	0		6.82	44.64	50			1.425	1.272	10.72	
trans-1.4-Dichloro-2-butene	1	0		7.23	47.54	50			0.255	0.242	4.92	
1.3-Dichlorobenzene	1	0		7.83	43.77	50			1.936	1.695	12.46	
1.4-Dichlorobenzene	1	0		7.88	44.99	50			1.887	1.698	10.02	

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. **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:** 1M54897.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/9/2010 1:49:00 PM 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	44.43	50			1.655	1.470	11.14	
Isopropylbenzene	1	0		7.04	48.05	50			3.873	3.721	3.90	
Cyclohexanone	1	0		7.11	234.85				0.019			
1.2.3-Trichloropropane	1	0		7.24	42.12	50			0.849	0.715	15.76	
2-Chlorotoluene	1	0		7.35	47.98	50			2.373	2.243	4.04	
p-Ethyltoluene	1	0		7.35	53.88				4.476			
4-Chlorotoluene	1	0		7.42	42.87	50			2.408	2.064	14.26	
n-Propylbenzene	1	0		7.29	46.55	50			4.847	4.512	6.90	
Bromobenzene	1	0		7.25	42.64	50			2.325	1.983	14.72	
1.3.5-Trimethylbenzene	1	0		7.35	70.55	50			3.419	4.824	41.10	
t-Butylbenzene	1	0		7.60	47.65	50			3.186	3.036	4.70	
1.2.4-Trimethylbenzene	1	0		7.62	46.51	50			3.343	3.109	6.98	
sec-Butylbenzene	1	0		7.73	48.42	50			4.168	4.036	3.16	
4-Isopropyltoluene	1	0		7.81	46.64	50			3.489	3.255	6.72	
n-Butylbenzene	1	0		8.07	47.72	50			4.294	4.099	4.56	
p-Diethylbenzene	1	0		8.05	52.33				2.214			
1.2.4.5-Tetramethylbenzene	1	0		8.56	51.89				3.266			
1.2-Dibromo-3-Chloropropane	1	0		8.61	36.77	50			0.127	0.093	26.46	
Hexachlorobutadiene	1	0		9.26	46.60	50			1.197	1.116	6.80	
1.2.4-Trichlorobenzene	1	0		9.16	44.92	50			1.305	1.172	10.16	
1.2.3-Trichlorobenzene	1	0		9.49	41.71	50			1.201	1.002	16.58	
Naphthalene	1	0		9.34	42.06	50			1.660	1.396	15.88	
1.2-Dioxane	1	1E		0.00	0.00	5000				0.000	100.00	
Freon 113	1	1E		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. **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 (Not Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54897.D
Acq On : 03/ 9/10 13:49

Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4

Qt Meth : 1M_S0223.M
Qt On : 03/09/10 14:08
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	234519	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	194814	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	118232	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.161	111	63650	30.14 ug/l	0.00
Spiked Amount 30.000			Recovery =	100.47%	
35) 1,2-Dichloroethane-d4	4.388	102	11822	30.88 ug/l	0.00
Spiked Amount 30.000			Recovery =	102.93%	
59) Toluene-d8	5.571	100	164077	28.06 ug/l	0.00
Spiked Amount 30.000			Recovery =	93.53%	
67) Bromofluorobenzene	7.138	174	101906	29.07 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.90%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
5) Chlorodifluoromethane	1.378	51	300723	64.26 ug/l	1
6) Dichlorodifluoromethane	1.378	85	153770	56.21 ug/l	95
7) Chloromethane	1.496	50	128822	39.64 ug/l	96
8) Bromomethane	1.831	94	46498	36.99 ug/l	98
9) Vinyl Chloride	1.579	62	96460	43.77 ug/l	98
10) Chloroethane	1.898	64	51735	40.71 ug/l	94
11) Trichlorofluoromethane	2.082	101	252866	53.02 ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.466	101	132868	54.12 ug/l	96
13) Methylene Chloride	2.811	84	137183	48.87 ug/l	89
14) Acrolein	2.377	56	66069	242.25 ug/l	97
15) Acrylonitrile	2.989	53	31519	51.11 ug/l	98
16) Iodomethane	2.584	142	201992	50.73 ug/l	73
17) Acetone	2.486	43	123648	271.51 ug/l	97
18) Carbon Disulfide	2.644	76	342649	46.30 ug/l	100
19) t-Butyl Alcohol	2.880	59	17294	256.79 ug/l	83
20) n-Hexane	3.255	57	235797	58.47 ug/l	90
21) Di-isopropyl-ether	3.412	45	527463	52.97 ug/l	88
22) 1,1-Dichloroethene	2.466	61	287428	52.24 ug/l	90
23) Methyl Acetate	2.732	43	68904	48.42 ug/l	100
24) Methyl-t-butyl ether	3.038	73	191440	51.48 ug/l	69
25) 1,1-Dichloroethane	3.363	63	302511	51.33 ug/l	99
26) trans-1,2-Dichloroethene	3.038	96	140314	52.08 ug/l	83
27) cis-1,2-Dichloroethene	3.826	61	283344	50.60 ug/l	93
28) Bromochloromethane	3.994	49	133897	49.55 ug/l	69
29) 2,2-Dichloropropane	3.836	77	182930	50.45 ug/l	93
30) 1,4-Dioxane	5.048	88	38655	2771.73 ug/l	78
31) 1,1-Dichloropropene	4.309	75	243504	51.45 ug/l	94
32) Chloroform	4.053	83	268775	52.20 ug/l	100
34) Cyclohexane	4.250	56	329900	55.18 ug/l	91
36) 1,2-Dichloroethane	4.437	62	203267	49.28 ug/l	98
37) 2-Butanone	3.826	43	44623	53.30 ug/l	88
38) 1,1,1-Trichloroethane	4.201	97	223745	52.44 ug/l	99
39) Carbon Tetrachloride	4.319	117	198019	52.07 ug/l	88
40) Vinyl Acetate	3.412	43	436778	50.32 ug/l	100
41) Bromodichloromethane	5.127	83	213437	51.42 ug/l	97
42) Methylcyclohexane	4.970	83	305111	57.87 ug/l	81
43) Dibromomethane	5.039	174	100351	55.01 ug/l	95
44) 1,2-Dichloropropane	4.970	63	155134	49.53 ug/l	90
45) Trichloroethene	4.832	130	170811	53.42 ug/l	92
46) Benzene	4.437	78	556846	60.86 ug/l	100
47) tert-Amyl methyl ether	4.497	73	178633	50.96 ug/l	83
49) Dibromochloromethane	6.083	129	141032	49.54 ug/l	98
50) 2-Chloroethylvinylether	5.295	63	67384	50.40 ug/l	92
51) cis-1,3-Dichloropropene	5.393	75	226209	47.76 ug/l	98
52) trans-1,3-Dichloropropene	5.719	75	178388	46.82 ug/l	95
53) 1,1,2-Trichloroethane	5.837	97	99655	47.80 ug/l	98
54) 1,2-Dibromoethane	6.162	107	107487	49.79 ug/l	96
55) 1,3-Dichloropropane	5.935	76	185793	45.36 ug/l	97
56) 4-Methyl-2-Pentanone	5.472	43	97409	48.17 ug/l	100
57) 2-Hexanone	5.965	43	66155	48.51 ug/l	96
58) Tetrachloroethene	5.955	164	170426	47.77 ug/l	96
60) Toluene	5.610	92	367640	53.88 ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.497	133	137261	47.76 ug/l	97
62) Chlorobenzene	6.458	112	398050	45.19 ug/l	99
64) Bromoform	6.951	173	90711	44.33 ug/l	96
65) Ethylbenzene	6.507	106	171840	43.94 ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.197	83	104654	41.65 ug/l	90
68) Styrene	6.822	104	412919	45.42 ug/l	93
69) m&p-Xylenes	6.576	106	516925	87.17 ug/l	99

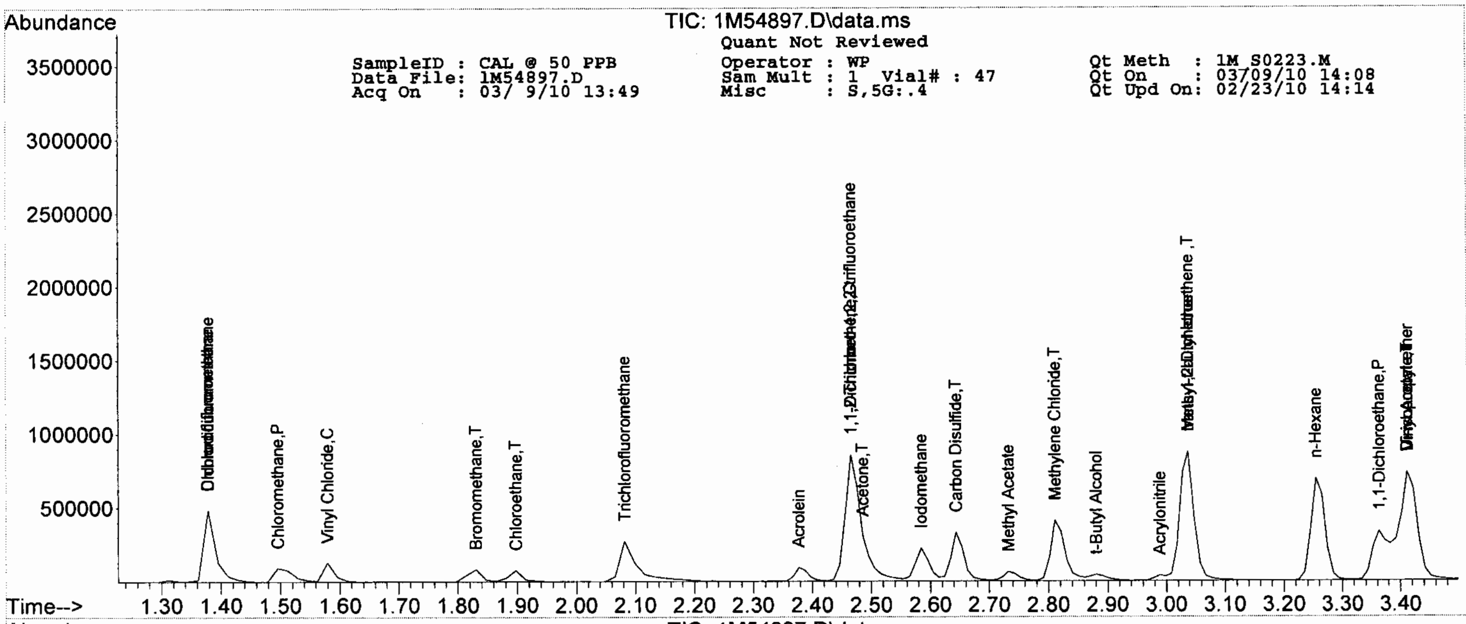
Quantitation Report (Not Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54897.D
Acq On : 03/ 9/10 13:49
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4
Qt Meth : 1M_S0223.M
Qt On : 03/09/10 14:08
Qt Upd On: 02/23/10 14:14

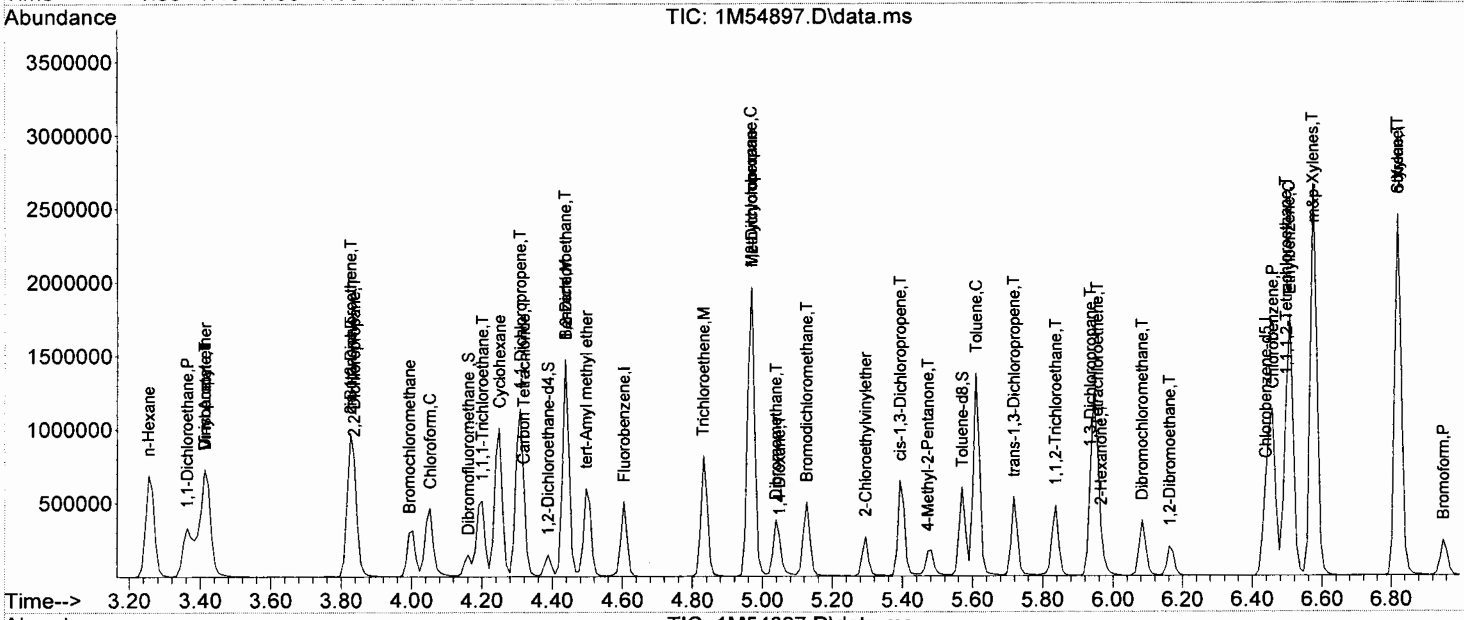
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.822	106	250626	44.64	ug/l	89
71)	trans-1,4-Dichloro-2-b...	7.227	53	47694	47.54	ug/l	58
72)	1,3-Dichlorobenzene	7.828	146	333957	43.77	ug/l	94
73)	1,4-Dichlorobenzene	7.877	146	334650	44.99	ug/l	95
74)	1,2-Dichlorobenzene	8.123	146	289714	44.43	ug/l	95
75)	Isopropylbenzene	7.039	105	733300	48.05	ug/l	98
76)	Cyclohexanone	7.108	55	17548	234.85	ug/l	91
77)	1,2,3-Trichloropropane	7.236	75	140851	42.12	ug/l	94
78)	2-Chlorotoluene	7.355	91	441923	47.98	ug/l	95
79)	p-Ethyltoluene	7.355	105	950597	53.88	ug/l	99
80)	4-Chlorotoluene	7.424	91	406734	42.87	ug/l	98
81)	n-Propylbenzene	7.286	91	889185	46.55	ug/l	97
82)	Bromobenzene	7.246	77	390775	42.64	ug/l	88
83)	1,3,5-Trimethylbenzene	7.355	105	950597	70.55	ug/l	69
84)	t-Butylbenzene	7.601	119	598341	47.65	ug/l	92
85)	1,2,4-Trimethylbenzene	7.621	105	612682	46.51	ug/l	98
86)	sec-Butylbenzene	7.729	105	795378	48.42	ug/l	100
87)	4-Isopropyltoluene	7.808	119	641343	46.64	ug/l	96
88)	n-Butylbenzene	8.074	91	807662	47.72	ug/l	98
89)	p-Diethylbenzene	8.054	119	456518	52.33	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.557	119	667833	51.89	ug/l	100
91)	1,2-Dibromo-3-Chloropr...	8.606	157	18383	36.77	ug/l	81
92)	Hexachlorobutadiene	9.257	225	219838	46.60	ug/l	99
93)	1,2,4-Trichlorobenzene	9.158	180	230949	44.92	ug/l	99
94)	1,2,3-Trichlorobenzene	9.493	180	197384	41.71	ug/l	96
95)	Naphthalene	9.336	128	275077	42.06	ug/l	100

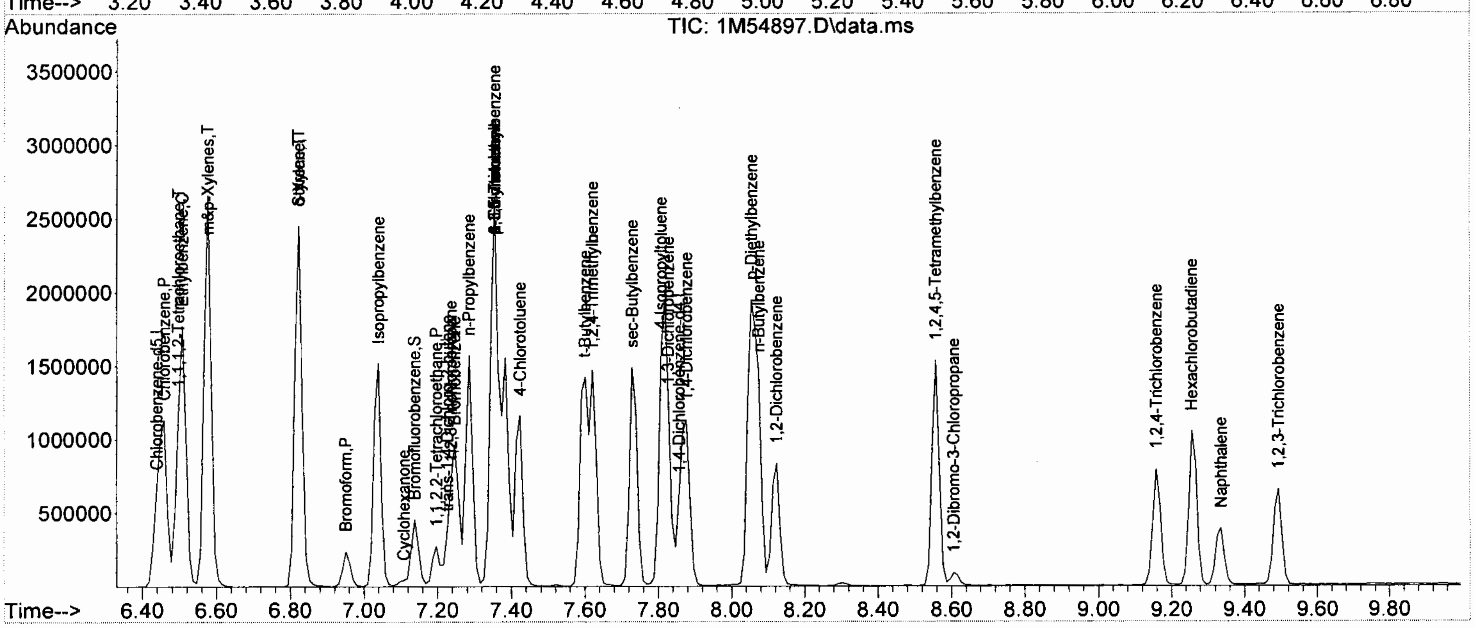
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Abundance
TIC: 1M54897.D\data.ms
Quant Not Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M54897.D
Acq On : 03/ 9/10 13:49
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4
Qt Meth : 1M_S0223.M
Qt On : 03/09/10 14:08
Qt Upd On: 02/23/10 14:14
3500000
3000000
2500000
2000000
1500000
1000000
500000
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-->
1.30 1.40 1.50 1.60 1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00 3.10 3.20 3.30 3.40



Abundance
TIC: 1M54897.D\data.ms
3500000
3000000
2500000
2000000
1500000
1000000
500000
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
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->
3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60 5.80 6.00 6.20 6.40 6.60 6.80



Abundance
TIC: 1M54897.D\data.ms
3500000
3000000
2500000
2000000
1500000
1000000
500000
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->
6.40 6.60 6.80 7.00 7.20 7.40 7.60 7.80 8.00 8.20 8.40 8.60 8.80 9.00 9.20 9.40 9.60 9.80

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M54925.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/10/2010 7:13:00 A 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	4.61	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.38	53.63				0.599			
Dichlorodifluoromethane	1	0		1.38	42.03	50			0.350	0.294	15.94	
Chloromethane	1	0	CP	1.49	37.96	50	0.1		0.416	0.316	24.08	
Bromomethane	1	0		1.83	39.35	50			0.161	0.127	21.30	
Vinvl Chloride	1	0	CC	1.58	43.55	50	20		0.282	0.246	12.90	
Chloroethane	1	0		1.90	45.90	50			0.163	0.149	8.20	
Trichlorofluoromethane	1	0		2.08	49.25	50			0.610	0.601	1.50	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.47	59.49	50			0.314	0.374	18.98	
Methvlene Chloride	1	0		2.81	51.31	50			0.359	0.368	2.62	
Acrolein	1	0		2.38	237.56	250			0.035	0.033	4.98	
Acrvlonitrile	1	0		2.99	51.77	50			0.079	0.082	3.54	
Iodomethane	1	0		2.59	51.45	50			0.509	0.524	2.90	
Acetone	1	0		2.49	268.28	250			0.063	0.063	7.31	
Carbon Disulfide	1	0		2.64	49.35	50			0.947	0.935	1.30	
t-Butvl Alcohol	1	0		2.88	218.19	250			0.009	0.008	12.72	
n-Hexane	1	0		3.26	62.00	50			0.516	0.640	24.00	
Di-isopropvl-ether	1	0		3.41	53.77	50			1.274	1.370	7.54	
1.1-Dichloroethene	1	0	CC	2.47	55.46	50	20		0.704	0.781	10.92	
Methvl Acetate	1	0		2.73	46.31	50			0.182	0.169	7.38	
Methvl-t-butvl ether	1	0		3.03	49.80	50			0.476	0.474	0.40	
1.1-Dichloroethane	1	0	CP	3.36	55.10	50	0.1		0.754	0.831	10.20	
trans-1.2-Dichloroethene	1	0		3.03	56.80	50			0.345	0.392	13.60	
cis-1.2-Dichloroethene	1	0		3.82	54.83	50			0.716	0.786	9.66	
Bromochloromethane	1	0		3.99	49.22	50			0.346	0.340	1.56	
2.2-Dichloropropane	1	0		3.83	57.43	50			0.464	0.533	14.86	
1.4-Dioxane	1	0		5.04	2767.01	2500			0.002	0.002	10.68	
1.1-Dichloropropene	1	0		4.30	57.91	50			0.605	0.701	15.82	
Chloroform	1	0	CC	4.04	56.32	50	20		0.659	0.742	12.64	
Dibromofluoromethane	1	0	S	4.15	29.27	75			0.270	0.264	2.43	
Cvclohexane	1	0		4.24	60.49	50			0.765	0.925	20.98	
1.2-Dichloroethane-d4	1	0	S	4.39	30.53	75			0.049	0.050	1.77	
1.2-Dichloroethane	1	0		4.44	51.59	50			0.528	0.544	3.18	
2-Butanone	1	0		3.83	50.49	50			0.107	0.108	0.98	
1.1.1-Trichloroethane	1	0		4.19	57.42	50			0.546	0.627	14.84	
Carbon Tetrachloride	1	0		4.31	59.40	50			0.486	0.578	18.80	
Vinvl Acetate	1	0		3.41	51.50	50			1.110	1.144	3.00	
Bromodichloromethane	1	0		5.13	56.03	50			0.531	0.595	12.06	
Methvlcvclohexane	1	0		4.97	63.56	50			0.674	0.857	27.12	
Dibromomethane	1	0		5.04	56.64	50			0.233	0.264	13.28	
1.2-Dichloropropane	1	0	CC	4.96	50.34	50	20		0.401	0.403	0.68	
Trichloroethene	1	0		4.83	61.55	50			0.409	0.504	23.10	
Benzene	1	0		4.44	66.77	50			1.520	1.563	33.54	
tert-Amvl methvl ether	1	0		4.50	48.04	50			0.448	0.431	3.92	
Chlorobenzene-d5	1	0	I	6.44	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.08	50.32	50			0.438	0.441	0.64	
2-Chloroethvlvinvlether	1	0		5.30	50.91	50			0.206	0.210	1.82	
cis-1.3-Dichloropropene	1	0		5.39	50.30	50			0.729	0.734	0.60	
trans-1.3-Dichloropropene	1	0		5.72	48.87	50			0.587	0.573	2.26	
1.1.2-Trichloroethane	1	0		5.83	47.99	50			0.321	0.308	4.02	
1.2-Dibromoethane	1	0		6.16	50.57	50			0.332	0.336	1.14	
1.3-Dichloropropane	1	0		5.94	46.67	50			0.631	0.589	6.66	
4-Methvl-2-Pentanone	1	0		5.47	45.91	50			0.311	0.286	8.18	
2-Hexanone	1	0		5.97	44.86	50			0.210	0.188	10.28	
Tetrachloroethene	1	0		5.95	55.27	50			0.549	0.607	10.54	
Toluene-d8	1	0	S	5.57	28.31	75			0.900	0.850	5.63	
Toluene	1	0	CC	5.61	59.71	50	20		1.325	1.255	19.42	
1.1.1.2-Tetrachloroethane	1	0		6.50	51.34	50			0.443	0.454	2.68	
Chlorobenzene	1	0	CP	6.45	50.73	50	0.3		1.356	1.376	1.46	
1.4-Dichlorobenzene-d4	1	0	I	7.86	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.95	43.78	50	0.1		0.519	0.455	12.44	
Ethvlbenzene	1	0	CC	6.51	49.09	50	20		0.992	0.974	1.82	
1.1.2.2-Tetrachloroethane	1	0	CP	7.19	39.21	50	0.3		0.638	0.500	21.58	
Bromofluorobenzene	1	0	S	7.14	28.68	75			0.890	0.851	4.40	
Stvrene	1	0		6.82	48.03	50			2.307	2.216	3.94	
m&p-Xvlenes	1	0		6.58	94.47	100			1.505	1.421	5.53	
o-Xvlene	1	0		6.81	48.48	50			1.425	1.381	3.04	
trans-1.4-Dichloro-2-butene	1	0		7.22	45.31	50			0.255	0.231	9.38	
1.3-Dichlorobenzene	1	0		7.82	47.43	50			1.936	1.837	5.14	
1.4-Dichlorobenzene	1	0		7.88	47.95	50			1.887	1.810	4.10	

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

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M54925.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/10/2010 7:13:00 A 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		8.11	47.64	50			1.655	1.577	4.72	
Isopropylbenzene	1	0		7.03	52.41	50			3.873	4.059	4.82	
Cyclohexanone	1	0		7.10	181.44				0.019			
1.2.3-Trichloropropane	1	0		7.24	41.86	50			0.849	0.710	16.28	
2-Chlorotoluene	1	0		7.36	50.04	50			2.373	2.334	0.08	
p-Ethyltoluene	1	0		7.35	51.09				4.476			
4-Chlorotoluene	1	0		7.41	48.01	50			2.408	2.312	3.98	
n-Propylbenzene	1	0		7.29	49.78	50			4.847	4.825	0.44	
Bromobenzene	1	0		7.25	45.45	50			2.325	2.114	9.10	
1.3.5-Trimethylbenzene	1	0		7.38	45.68	50			3.419	3.123	8.64	
t-Butylbenzene	1	0		7.59	52.46	50			3.186	3.343	4.92	
1.2.4-Trimethylbenzene	1	0		7.62	50.12	50			3.343	3.351	0.24	
sec-Butylbenzene	1	0		7.73	53.49	50			4.168	4.458	6.98	
4-Isopropyltoluene	1	0		7.81	51.34	50			3.489	3.582	2.68	
n-Butylbenzene	1	0		8.07	51.44	50			4.294	4.418	2.88	
p-Diethylbenzene	1	0		8.05	57.22				2.214			
1.2.4.5-Tetramethylbenzene	1	0		8.55	53.99				3.266			
1.2-Dibromo-3-Chloropropane	1	0		8.61	38.65	50			0.127	0.098	22.70	
Hexachlorobutadiene	1	0		9.26	50.47	50			1.197	1.208	0.94	
1.2.4-Trichlorobenzene	1	0		9.16	45.74	50			1.305	1.193	8.52	
1.2.3-Trichlorobenzene	1	0		9.48	42.06	50			1.201	1.010	15.88	
Naphthalene	1	0		9.33	40.08	50			1.660	1.330	19.84	
1.2-Dioxane	1	1E		0.00	0.00	5000				0.000	100.00	
Freon 113	1	1E		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - 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. **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
Data File: 1M54925.D
Acq On : 03/10/10 07:13

Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4

Qt Meth : 1M_S0223.M
Qt On : 03/10/10 07:28
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.606	96	209838	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	172217	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	106806	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.152	111	55306	29.27 ug/l	-0.02
Spiked Amount 30.000			Recovery =	97.57%	
35) 1,2-Dichloroethane-d4	4.389	102	10458	30.53 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.77%	
59) Toluene-d8	5.572	100	146346	28.31 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.37%	
67) Bromofluorobenzene	7.139	174	90839	28.68 ug/l	0.00
Spiked Amount 30.000			Recovery =	95.60%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.376	51	224581	53.63 ug/l	1
6) Dichlorodifluoromethane	1.376	85	102874	42.03 ug/l	99
7) Chloromethane	1.493	50	110369	37.96 ug/l	97
8) Bromomethane	1.829	94	44260	39.35 ug/l	94
9) Vinyl Chloride	1.577	62	85879	43.55 ug/l	97
10) Chloroethane	1.896	64	52192	45.90 ug/l	96
11) Trichlorofluoromethane	2.080	101	210180	49.25 ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.467	101	130683	59.49 ug/l	95
13) Methylene Chloride	2.812	84	128872	51.31 ug/l	97
14) Acrolein	2.378	56	57971	237.56 ug/l	92
15) Acrylonitrile	2.989	53	28562	51.77 ug/l	94
16) Iodomethane	2.585	142	183313	51.45 ug/l	69
17) Acetone	2.487	43	109522	268.28 ug/l	98
18) Carbon Disulfide	2.644	76	326835	49.35 ug/l	100
19) t-Butyl Alcohol	2.881	59	13148	218.19 ug/l	74
20) n-Hexane	3.255	57	223708	62.00 ug/l	90
21) Di-isopropyl-ether	3.413	45	479120	53.77 ug/l	89
22) 1,1-Dichloroethene	2.467	61	273045	55.46 ug/l	93
23) Methyl Acetate	2.733	43	58967	46.31 ug/l	100
24) Methyl-t-butyl ether	3.029	73	165719	49.80 ug/l	68
25) 1,1-Dichloroethane	3.364	63	290588	55.10 ug/l	100
26) trans-1,2-Dichloroethene	3.029	96	136927	56.80 ug/l	88
27) cis-1,2-Dichloroethene	3.817	61	274724	54.83 ug/l	88
28) Bromochloromethane	3.995	49	119005	49.22 ug/l	78
29) 2,2-Dichloropropane	3.827	77	186328	57.43 ug/l	93
30) 1,4-Dioxane	5.039	88	34528	2767.01 ug/l	69
31) 1,1-Dichloropropene	4.300	75	245204	57.91 ug/l	98
32) Chloroform	4.044	83	259508	56.32 ug/l	99
34) Cyclohexane	4.241	56	323587	60.49 ug/l	90
36) 1,2-Dichloroethane	4.438	62	190400	51.59 ug/l	96
37) 2-Butanone	3.827	43	37825	50.49 ug/l	92
38) 1,1,1-Trichloroethane	4.192	97	219237	57.42 ug/l	98
39) Carbon Tetrachloride	4.310	117	202109	59.40 ug/l	92
40) Vinyl Acetate	3.413	43	400010	51.50 ug/l	100
41) Bromodichloromethane	5.128	83	208088	56.03 ug/l	96
42) Methylcyclohexane	4.970	83	299805	63.56 ug/l	81
43) Dibromomethane	5.039	174	92448	56.64 ug/l	94
44) 1,2-Dichloropropane	4.960	63	141077	50.34 ug/l	89
45) Trichloroethene	4.832	130	176096	61.55 ug/l	96
46) Benzene	4.438	78	546637	66.77 ug/l	100
47) tert-Amyl methyl ether	4.497	73	150683	48.04 ug/l	77
49) Dibromochloromethane	6.084	129	126639	50.32 ug/l	98
50) 2-Chloroethylvinylether	5.296	63	60169	50.91 ug/l	94
51) cis-1,3-Dichloropropene	5.394	75	210631	50.30 ug/l	95
52) trans-1,3-Dichloropropene	5.719	75	164592	48.87 ug/l	97
53) 1,1,2-Trichloroethane	5.828	97	88440	47.99 ug/l	91
54) 1,2-Dibromoethane	6.163	107	96513	50.57 ug/l	98
55) 1,3-Dichloropropane	5.936	76	168961	46.67 ug/l	97
56) 4-Methyl-2-Pentanone	5.473	43	82076	45.91 ug/l	96
57) 2-Hexanone	5.966	43	54080	44.86 ug/l	98
58) Tetrachloroethene	5.946	164	174313	55.27 ug/l	96
60) Toluene	5.611	92	360158	59.71 ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.498	133	130447	51.34 ug/l	100
62) Chlorobenzene	6.449	112	394996	50.73 ug/l	99
64) Bromoform	6.951	173	80935	43.78 ug/l	91
65) Ethylbenzene	6.508	106	173417	49.09 ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.188	83	89009	39.21 ug/l	90
68) Styrene	6.823	104	394449	48.03 ug/l	97
69) m&p-Xylenes	6.577	106	506056	94.47 ug/l	99

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54925.D
Acq On : 03/10/10 07:13

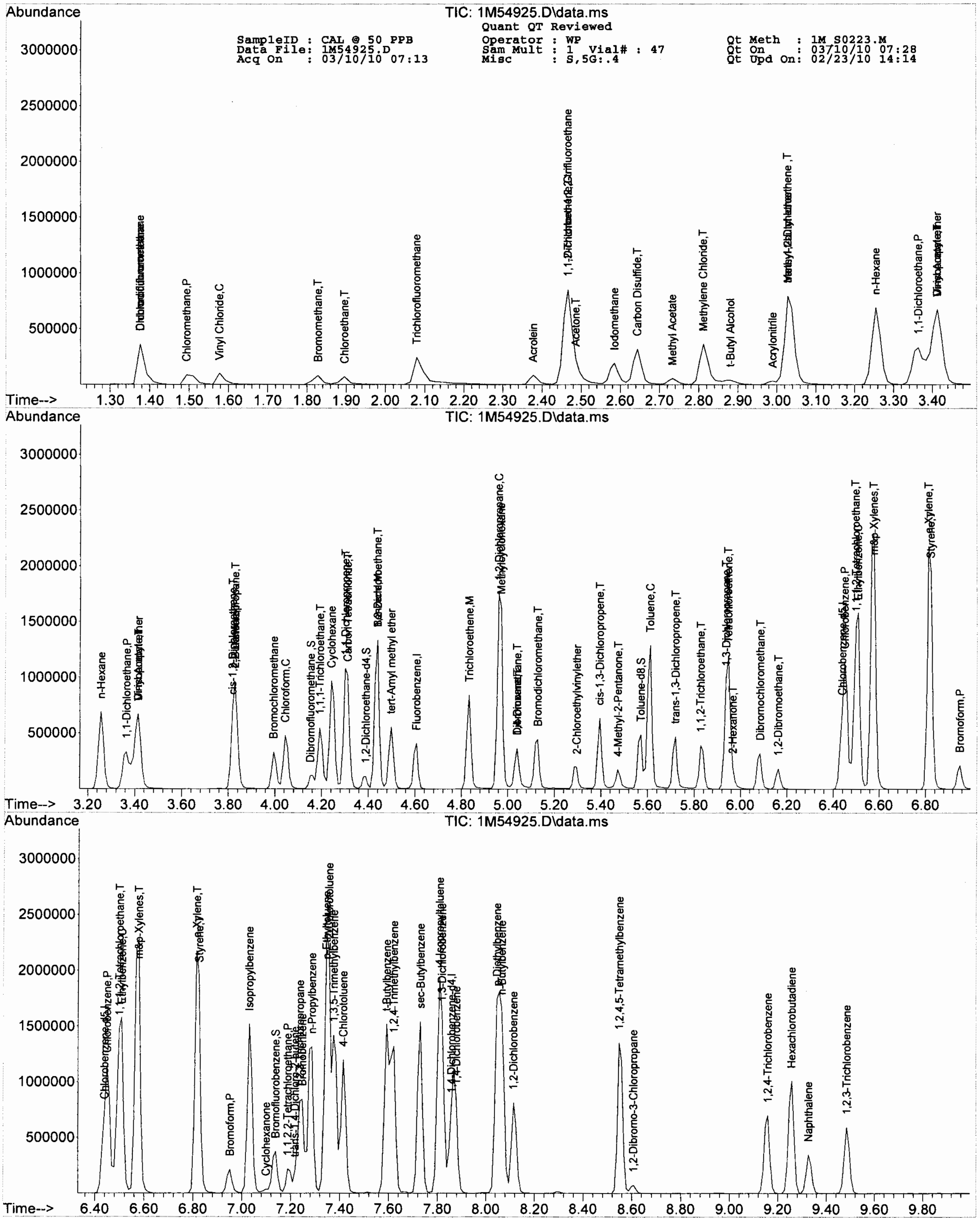
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4

Qt Meth : 1M_S0223.M
Qt On : 03/10/10 07:28
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.813	106	245877	48.48	ug/l	85
71) trans-1,4-Dichloro-2-b...	7.217	53	41059	45.31	ug/l	63
72) 1,3-Dichlorobenzene	7.819	146	326955	47.43	ug/l	95
73) 1,4-Dichlorobenzene	7.878	146	322225	47.95	ug/l	96
74) 1,2-Dichlorobenzene	8.114	146	280677	47.64	ug/l	97
75) Isopropylbenzene	7.030	105	722562	52.41	ug/l	98
76) Cyclohexanone	7.099	55	12247	181.44	ug/l	98
77) 1,2,3-Trichloropropane	7.237	75	126455	41.86	ug/l	93
78) 2-Chlorotoluene	7.355	91	415501	50.04	ug/l	99
79) p-Ethyltoluene	7.346	105	814280	51.09	ug/l	97
80) 4-Chlorotoluene	7.415	91	411520	48.01	ug/l	97
81) n-Propylbenzene	7.286	91	858970	49.78	ug/l	95
82) Bromobenzene	7.247	77	376285	45.45	ug/l	89
83) 1,3,5-Trimethylbenzene	7.375	105	555969m	45.68	ug/l	
84) t-Butylbenzene	7.592	119	595087	52.46	ug/l	94
85) 1,2,4-Trimethylbenzene	7.622	105	596454	50.12	ug/l	98
86) sec-Butylbenzene	7.730	105	793624	53.49	ug/l	99
87) 4-Isopropyltoluene	7.809	119	637654	51.34	ug/l	96
88) n-Butylbenzene	8.065	91	786416	51.44	ug/l	97
89) p-Diethylbenzene	8.045	119	450930	57.22	ug/l	98
90) 1,2,4,5-Tetramethylben...	8.548	119	627733	53.99	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.607	157	17453	38.65	ug/l	87
92) Hexachlorobutadiene	9.258	225	215091	50.47	ug/l	99
93) 1,2,4-Trichlorobenzene	9.159	180	212434	45.74	ug/l	97
94) 1,2,3-Trichlorobenzene	9.484	180	179795	42.06	ug/l	97
95) Naphthalene	9.327	128	236835	40.08	ug/l	100

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


Abundance
TIC: 1M54925.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M54925.D
Acq On : 03/10/10 07:13
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 07:28
Qt Upd On: 02/23/10 14:14
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
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
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
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

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M54974.D **Instrument:** GCMS I

Cont Calibration Date/Time 3/11/2010 7:40:00 A 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	4.61	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.38	25.90				0.599			
Dichlorodifluoromethane	1	0		1.37	28.27	50			0.350	0.198	43.46	
Chloromethane	1	0	CP	1.50	43.14	50	0.1		0.416	0.359	13.72	
Bromomethane	1	0		1.82	53.05	50			0.161	0.171	6.10	
Vinvl Chloride	1	0	CC	1.58	44.65	50	20		0.282	0.252	10.70	
Chloroethane	1	0		1.88	56.83	50			0.163	0.185	13.66	
Trichlorofluoromethane	1	0		2.09	48.24	50			0.610	0.589	3.52	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.46	55.30	50			0.314	0.347	10.60	
Methvlene Chloride	1	0		2.81	53.11	50			0.359	0.381	6.22	
Acrolein	1	0		2.38	252.16	250			0.035	0.035	0.86	
Acrvlonitrile	1	0		2.99	53.23	50			0.079	0.084	6.46	
Iodomethane	1	0		2.59	50.58	50			0.509	0.515	1.16	
Acetone	1	0		2.49	288.77	250			0.063	0.067	15.51	
Carbon Disulfide	1	0		2.64	47.33	50			0.947	0.896	5.34	
t-Butvl Alcohol	1	0		2.88	244.66	250			0.009	0.008	2.14	
n-Hexane	1	0		3.26	59.82	50			0.516	0.617	19.64	
Di-isopropvl-ether	1	0		3.41	55.58	50			1.274	1.416	11.16	
1.1-Dichloroethene	1	0	CC	2.47	54.23	50	20		0.704	0.763	8.46	
Methvl Acetate	1	0		2.73	50.57	50			0.182	0.184	1.14	
Methvl-t-butvl ether	1	0		3.03	51.58	50			0.476	0.491	3.16	
1.1-Dichloroethane	1	0	CP	3.35	55.28	50	0.1		0.754	0.834	10.56	
trans-1.2-Dichloroethene	1	0		3.03	56.24	50			0.345	0.388	12.48	
cis-1.2-Dichloroethene	1	0		3.82	55.82	50			0.716	0.800	11.64	
Bromochloromethane	1	0		3.99	51.65	50			0.346	0.357	3.30	
2.2-Dichloropropane	1	0		3.83	54.34	50			0.464	0.504	8.68	
1.4-Dioxane	1	0		5.04	2752.12	2500			0.002	0.002	10.08	
1.1-Dichloropropene	1	0		4.30	52.35	50			0.605	0.634	4.70	
Chloroform	1	0	CC	4.04	56.67	50	20		0.659	0.747	13.34	
Dibromofluoromethane	1	0	S	4.15	30.76	75			0.270	0.277	2.53	
Cvclohexane	1	0		4.24	57.62	50			0.765	0.881	15.24	
1.2-Dichloroethane-d4	1	0	S	4.39	30.62	75			0.049	0.050	2.07	
1.2-Dichloroethane	1	0		4.44	51.27	50			0.528	0.541	2.54	
2-Butanone	1	0		3.82	53.93	50			0.107	0.116	7.86	
1.1.1-Trichloroethane	1	0		4.19	54.48	50			0.546	0.595	8.96	
Carbon Tetrachloride	1	0		4.31	55.99	50			0.486	0.545	11.98	
Vinvl Acetate	1	0		3.41	53.57	50			1.110	1.190	7.14	
Bromodichloromethane	1	0		5.13	51.86	50			0.531	0.551	3.72	
Methvlcvclohexane	1	0		4.96	58.32	50			0.674	0.787	16.64	
Dibromomethane	1	0		5.04	52.77	50			0.233	0.246	5.54	
1.2-Dichloropropane	1	0	CC	4.96	50.39	50	20		0.401	0.404	0.78	
Trichloroethene	1	0		4.83	54.19	50			0.409	0.443	8.38	
Benzene	1	0		4.44	64.87	50			1.520	1.519	29.74	
tert-Amvl methvl ether	1	0		4.50	48.90	50			0.448	0.439	2.20	
Chlorobenzene-d5	1	0	I	6.44	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.08	48.87	50			0.438	0.428	2.26	
2-Chloroethvlvinvlether	1	0		5.30	52.61	50			0.206	0.217	5.22	
cis-1.3-Dichloropropene	1	0		5.39	51.34	50			0.729	0.749	2.68	
trans-1.3-Dichloropropene	1	0		5.72	49.02	50			0.587	0.575	1.96	
1.1.2-Trichloroethane	1	0		5.83	47.80	50			0.321	0.307	4.40	
1.2-Dibromoethane	1	0		6.16	48.02	50			0.332	0.319	3.96	
1.3-Dichloropropane	1	0		5.94	47.29	50			0.631	0.597	5.42	
4-Methvl-2-Pentanone	1	0		5.47	50.45	50			0.311	0.314	0.90	
2-Hexanone	1	0		5.97	50.93	50			0.210	0.214	1.86	
Tetrachloroethene	1	0		5.95	49.75	50			0.549	0.547	0.50	
Toluene-d8	1	0	S	5.57	29.12	75			0.900	0.874	2.93	
Toluene	1	0	CC	5.61	57.65	50	20		1.325	1.211	15.30	
1.1.1.2-Tetrachloroethane	1	0		6.49	48.73	50			0.443	0.431	2.54	
Chlorobenzene	1	0	CP	6.45	46.66	50	0.3		1.356	1.266	6.68	
1.4-Dichlorobenzene-d4	1	0	I	7.86	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.95	47.81	50	0.1		0.519	0.496	4.38	
Ethvlbenzene	1	0	CC	6.51	48.92	50	20		0.992	0.971	2.16	
1.1.2.2-Tetrachloroethane	1	0	CP	7.19	44.00	50	0.3		0.638	0.561	12.00	
Bromofluorobenzene	1	0	S	7.14	30.33	75			0.890	0.899	1.10	
Stvrene	1	0		6.81	50.07	50			2.307	2.310	0.14	
m&p-Xvlenes	1	0		6.57	100.24	100			1.505	1.508	0.24	
o-Xvlene	1	0		6.81	51.53	50			1.425	1.468	3.06	
trans-1.4-Dichloro-2-butene	1	0		7.22	53.49	50			0.255	0.272	6.98	
1.3-Dichlorobenzene	1	0		7.82	45.41	50			1.936	1.758	9.18	
1.4-Dichlorobenzene	1	0		7.87	44.75	50			1.887	1.689	10.50	

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:** 1M54974.D **Instrument:** GCMS 1

Cont Calibration Date/Time 3/11/2010 7:40:00 A 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		8.11	44.14	50			1.655	1.461	11.72	
Isopropylbenzene	1	0		7.03	55.24	50			3.873	4.278	10.48	
Cyclohexanone	1	0		7.10	228.65				0.019			
1.2.3-Trichloropropane	1	0		7.23	46.30	50			0.849	0.786	7.40	
2-Chlorotoluene	1	0		7.36	52.97	50			2.373	2.463	5.94	
p-Ethyltoluene	1	0		7.35	56.83				4.476			
4-Chlorotoluene	1	0		7.41	51.38	50			2.408	2.474	2.76	
n-Propylbenzene	1	0		7.28	53.42	50			4.847	5.178	6.84	
Bromobenzene	1	0		7.25	48.99	50			2.325	2.278	2.02	
1.3.5-Trimethylbenzene	1	0		7.38	45.70	50			3.419	3.125	8.60	
t-Butylbenzene	1	0		7.59	51.18	50			3.186	3.261	2.36	
1.2.4-Trimethylbenzene	1	0		7.62	50.39	50			3.343	3.369	0.78	
sec-Butylbenzene	1	0		7.73	52.57	50			4.168	4.382	5.14	
4-Isopropyltoluene	1	0		7.81	50.46	50			3.489	3.521	0.92	
n-Butylbenzene	1	0		8.07	53.17	50			4.294	4.566	6.34	
p-Diethylbenzene	1	0		8.05	56.24				2.214			
1.2.4.5-Tetramethylbenzene	1	0		8.55	54.08				3.266			
1.2-Dibromo-3-Chloropropane	1	0		8.61	33.87	50			0.127	0.086	32.26	
Hexachlorobutadiene	1	0		9.26	49.54	50			1.197	1.186	0.92	
1.2.4-Trichlorobenzene	1	0		9.16	45.83	50			1.305	1.196	8.34	
1.2.3-Trichlorobenzene	1	0		9.48	42.50	50			1.201	1.021	15.00	
Naphthalene	1	0		9.33	42.76	50			1.660	1.419	14.48	
1.2-Dioxane	1	1E		0.00	0.00	5000				0.000	100.00	
Freon 113	1	1E		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. **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
Data File: 1M54974.D
Acq On : 03/11/10 07:40
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 07:50
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.606	96	136850	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.439	117	104251	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	60622	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.152	111	37904	30.76	ug/l	-0.02
Spiked Amount 30.000			Recovery =	102.53%		
35) 1,2-Dichloroethane-d4	4.389	102	6841	30.62	ug/l	0.00
Spiked Amount 30.000			Recovery =	102.07%		
59) Toluene-d8	5.572	100	91110	29.12	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.07%		
67) Bromofluorobenzene	7.139	174	54509	30.33	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Chlorodifluoromethane	1.382	51	70738	25.90	ug/l	1
6) Dichlorodifluoromethane	1.365	85	45134	28.27	ug/l	92
7) Chloromethane	1.499	50	81804	43.14	ug/l	99
8) Bromomethane	1.818	94	38912	53.05	ug/l	98
9) Vinyl Chloride	1.583	62	57423	44.65	ug/l	98
10) Chloroethane	1.885	64	42142	56.83	ug/l	100
11) Trichlorofluoromethane	2.086	101	134273	48.24	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.457	101	79224	55.30	ug/l	95
13) Methylene Chloride	2.812	84	86994	53.11	ug/l	96
14) Acrolein	2.378	56	40130	252.16	ug/l	93
15) Acrylonitrile	2.989	53	19153	53.23	ug/l	93
16) Iodomethane	2.585	142	117531	50.58	ug/l	70
17) Acetone	2.487	43	76024	288.77	ug/l	97
18) Carbon Disulfide	2.644	76	204422	47.33	ug/l	100
19) t-Butyl Alcohol	2.881	59	9615	244.66	ug/l	80
20) n-Hexane	3.256	57	140773	59.82	ug/l	90
21) Di-isopropyl-ether	3.413	45	322964	55.58	ug/l	87
22) 1,1-Dichloroethene	2.467	61	174116	54.23	ug/l	96
23) Methyl Acetate	2.733	43	41993	50.57	ug/l	100
24) Methyl-t-butyl ether	3.029	73	111924	51.58	ug/l	66
25) 1,1-Dichloroethane	3.354	63	190125	55.28	ug/l	97
26) trans-1,2-Dichloroethene	3.029	96	88415	56.24	ug/l	88
27) cis-1,2-Dichloroethene	3.817	61	182401	55.82	ug/l	88
28) Bromochloromethane	3.995	49	81452	51.65	ug/l	75
29) 2,2-Dichloropropane	3.827	77	114984	54.34	ug/l	94
30) 1,4-Dioxane	5.039	88	22397	2752.12	ug/l	70
31) 1,1-Dichloropropene	4.300	75	144573	52.35	ug/l	96
32) Chloroform	4.044	83	170272	56.67	ug/l	96
34) Cyclohexane	4.241	56	201031	57.62	ug/l	90
36) 1,2-Dichloroethane	4.438	62	123391	51.27	ug/l	98
37) 2-Butanone	3.817	43	26349	53.93	ug/l	90
38) 1,1,1-Trichloroethane	4.192	97	135643	54.48	ug/l	95
39) Carbon Tetrachloride	4.310	117	124234	55.99	ug/l	93
40) Vinyl Acetate	3.413	43	271357	53.57	ug/l	100
41) Bromodichloromethane	5.128	83	125605	51.86	ug/l	94
42) Methylcyclohexane	4.961	83	179412	58.32	ug/l	81
43) Dibromomethane	5.039	174	56169	52.77	ug/l	93
44) 1,2-Dichloropropane	4.961	63	92093	50.39	ug/l	88
45) Trichloroethene	4.832	130	101114	54.19	ug/l	94
46) Benzene	4.438	78	346370	64.87	ug/l	100
47) tert-Amyl methyl ether	4.497	73	100028	48.90	ug/l	75
49) Dibromochloromethane	6.084	129	74448	48.87	ug/l	100
50) 2-Chloroethylvinylether	5.296	63	37640	52.61	ug/l	95
51) cis-1,3-Dichloropropene	5.394	75	130132	51.34	ug/l	95
52) trans-1,3-Dichloropropene	5.719	75	99937	49.02	ug/l	95
53) 1,1,2-Trichloroethane	5.828	97	53332	47.80	ug/l	91
54) 1,2-Dibromoethane	6.163	107	55482	48.02	ug/l	93
55) 1,3-Dichloropropane	5.936	76	103657	47.29	ug/l	94
56) 4-Methyl-2-Pentanone	5.473	43	54592	50.45	ug/l	99
57) 2-Hexanone	5.966	43	37166	50.93	ug/l	98
58) Tetrachloroethene	5.946	164	94979	49.75	ug/l	98
60) Toluene	5.611	92	210476	57.65	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.488	133	74953	48.73	ug/l	97
62) Chlorobenzene	6.449	112	219938	46.66	ug/l	100
64) Bromoform	6.951	173	50162	47.81	ug/l	95
65) Ethylbenzene	6.508	106	98080	48.92	ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.188	83	56688	44.00	ug/l	90
68) Styrene	6.813	104	233388	50.07	ug/l	81
69) m&p-Xylenes	6.567	106	304783	100.24	ug/l	93

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M54974.D
Acq On : 03/11/10 07:40

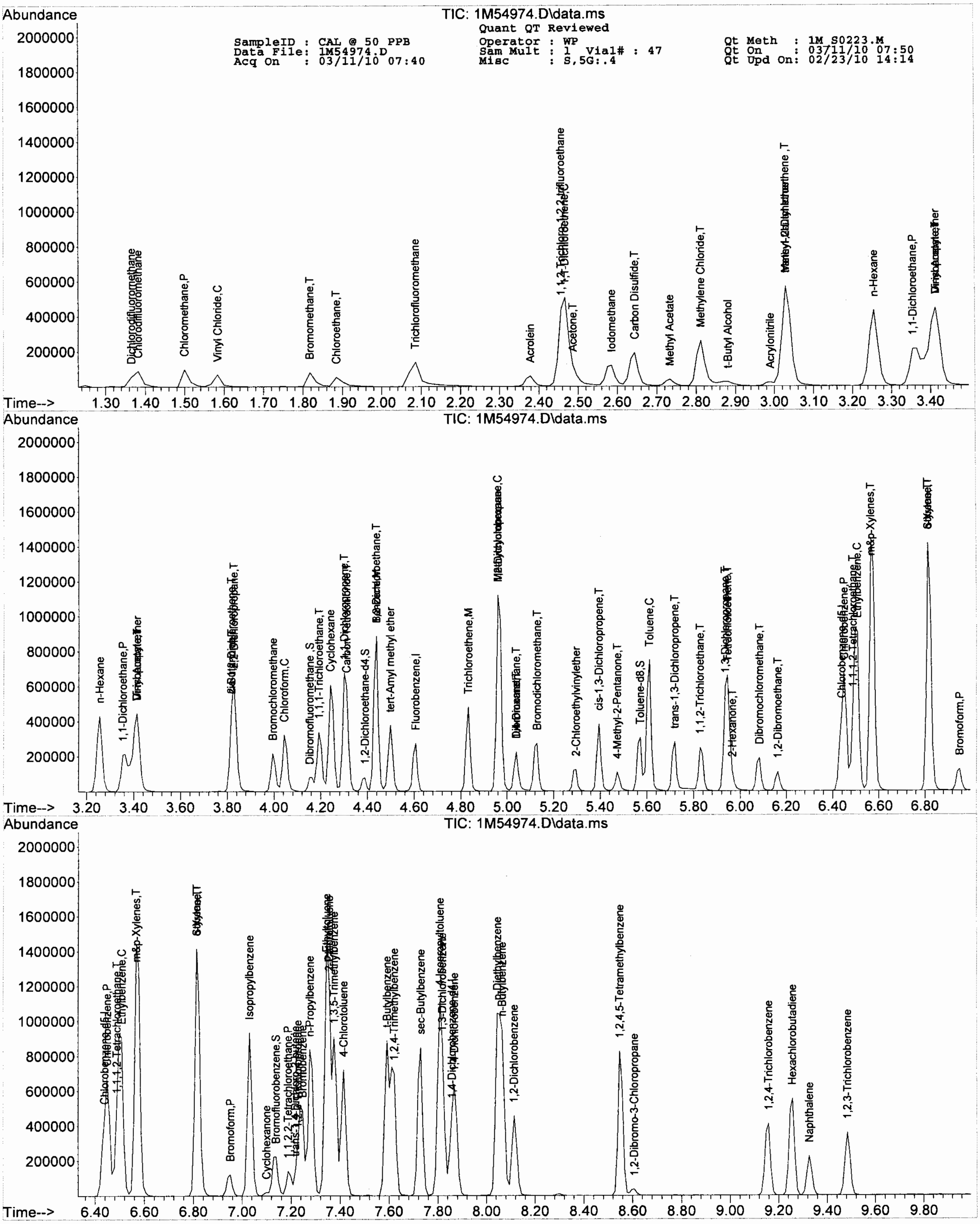
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 07:50
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.813	106	148337	51.53	ug/l	83
71)	trans-1,4-Dichloro-2-b...	7.218	53	27516	53.49	ug/l	55
72)	1,3-Dichlorobenzene	7.819	146	177663	45.41	ug/l	93
73)	1,4-Dichlorobenzene	7.868	146	170659	44.75	ug/l	93
74)	1,2-Dichlorobenzene	8.114	146	147584	44.14	ug/l	94
75)	Isopropylbenzene	7.030	105	432266	55.24	ug/l	98
76)	Cyclohexanone	7.099	55	8760	228.65	ug/l	97
77)	1,2,3-Trichloropropane	7.227	75	79387	46.30	ug/l	93
78)	2-Chlorotoluene	7.356	91	248896	52.97	ug/l	98
79)	p-Ethyltoluene	7.346	105	514036	56.83	ug/l	96
80)	4-Chlorotoluene	7.415	91	249984	51.38	ug/l	96
81)	n-Propylbenzene	7.277	91	523187	53.42	ug/l	98
82)	Bromobenzene	7.247	77	230190	48.99	ug/l	86
83)	1,3,5-Trimethylbenzene	7.375	105	315729m	45.70	ug/l	
84)	t-Butylbenzene	7.592	119	329488	51.18	ug/l	89
85)	1,2,4-Trimethylbenzene	7.622	105	340395	50.39	ug/l	96
86)	sec-Butylbenzene	7.730	105	442719	52.57	ug/l	99
87)	4-Isopropyltoluene	7.809	119	355728	50.46	ug/l	94
88)	n-Butylbenzene	8.065	91	461376	53.17	ug/l	99
89)	p-Diethylbenzene	8.045	119	251543	56.24	ug/l	95
90)	1,2,4,5-Tetramethylben...	8.548	119	356908	54.08	ug/l	99
91)	1,2-Dibromo-3-Chloropr...	8.607	157	8681	33.87	ug/l	76
92)	Hexachlorobutadiene	9.258	225	119841	49.54	ug/l	99
93)	1,2,4-Trichlorobenzene	9.159	180	120807	45.83	ug/l	98
94)	1,2,3-Trichlorobenzene	9.484	180	103117	42.50	ug/l	96
95)	Naphthalene	9.327	128	143404	42.76	ug/l	100

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



Abundance
TIC: 1M54974.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M54974.D
Acq On : 03/11/10 07:40
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : S,5G:.4
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 07:50
Qt Upd On: 02/23/10 14:14
Time-->
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
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
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-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

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54441.D
Analysis Date: 02/23/10 10:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.472 to 4.502 min

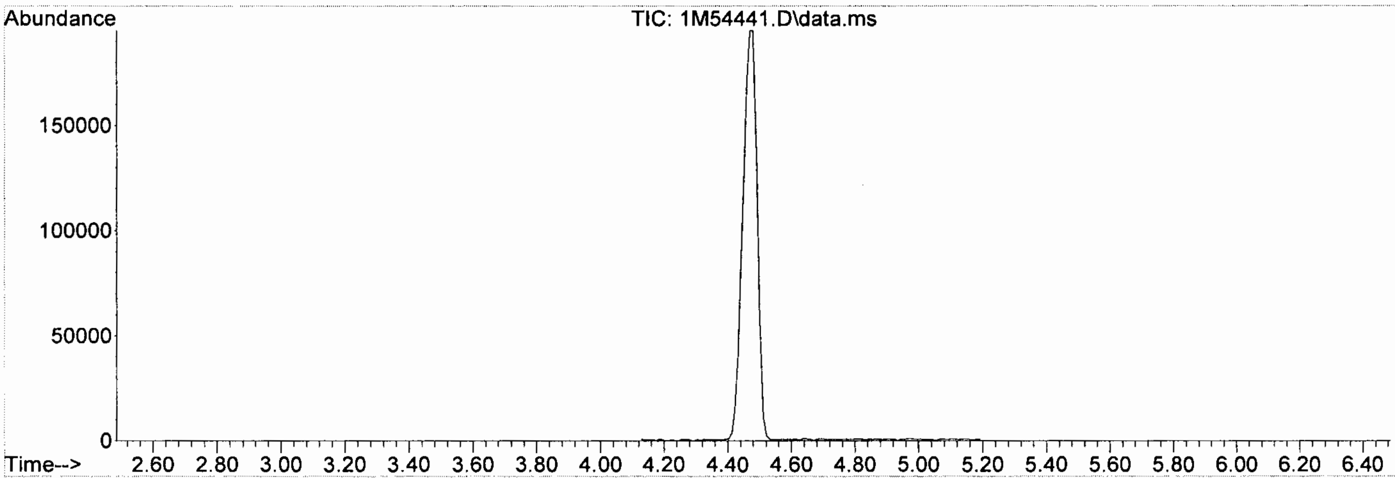
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.8	6923	PASS
75	95	30	60	48.6	15449	PASS
95	95	100	100	100.0	31811	PASS
96	95	5	9	8.2	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.5	24984	PASS
175	174	5	9	7.5	1873	PASS
176	174	95	101	97.5	24370	PASS
177	176	5	9	7.2	1744	PASS

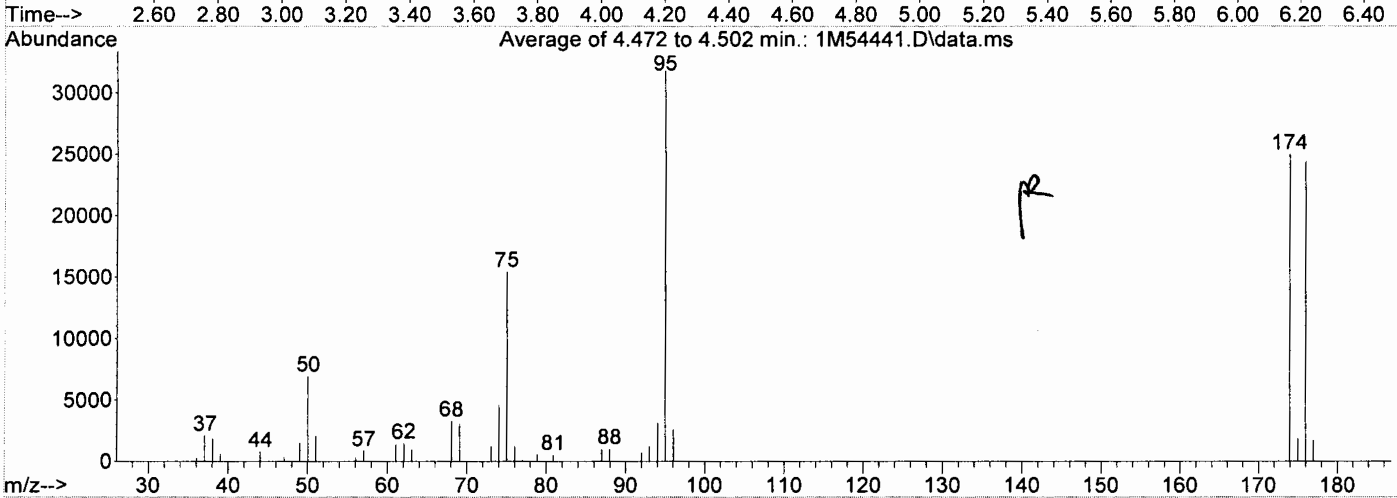
Data File	Sample Number	Analysis Date:
1M54442.D	50 PPB	02/23/10 10:47
1M54443.D	BLK	02/23/10 11:04
1M54444.D	CAL @ 500 PPB	02/23/10 11:20
1M54445.D	CAL @ 250 PPB	02/23/10 11:36
1M54446.D	CAL @ 100 PPB	02/23/10 11:52
1M54447.D	CAL @ 50 PPB	02/23/10 12:08
1M54448.D	CAL @ 20 PPB	02/23/10 12:24
1M54449.D	CAL @ 10 PPB	02/23/10 12:41
1M54450.D	CAL @ 5 PPB	02/23/10 12:57
1M54451.D	BLK	02/23/10 13:13
1M54452.D	CAL @ 0.5 PPB	02/23/10 13:29
1M54453.D	CAL @ 1 PPB	02/23/10 13:45
1M54454.D	ICV	02/23/10 14:09
1M54455.D	STD	02/23/10 14:25
1M54456.D	BLK	02/23/10 14:41
1M54457.D	DAILY BLANK	02/23/10 14:57
1M54458.D	BLK	02/23/10 15:13
1M54459.D	MBS15066	02/23/10 15:29
1M54460.D	AC49929-002(MS)	02/23/10 15:46
1M54461.D	AC49929-002(MSD	02/23/10 16:02
1M54462.D	BLK	02/23/10 16:18
1M54463.D	AC49962-001	02/23/10 16:36
1M54464.D	AC49962-002	02/23/10 16:52
1M54465.D	AC49962-003	02/23/10 17:08
1M54466.D	AC49962-004	02/23/10 17:24
1M54467.D	AC49962-005	02/23/10 17:41
1M54468.D	AC49962-006	02/23/10 17:57
1M54469.D	AC49962-007	02/23/10 18:13
1M54470.D	AC49961-001	02/23/10 18:29
1M54471.D	AC49961-002	02/23/10 18:45
1M54472.D	AC49961-003	02/23/10 19:01
1M54473.D	AC49961-004	02/23/10 19:17
1M54474.D	BLK	02/23/10 19:33
1M54475.D	BLK	02/23/10 19:49

Data Path : G:\GcMsData\2010\GCMS_1\Data\02-23-10\
Data File : 1M54441.D
Acq On : 23 Feb 2010 10:38
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 32 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0212.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Feb 12 12:21:36 2010





Spectrum Information: Average of 4.472 to 4.502 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	6923	PASS
75	95	30	60	48.6	15449	PASS
95	95	100	100	100.0	31811	PASS
96	95	5	9	8.2	2617	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.5	24984	PASS
175	174	5	9	7.5	1873	PASS
176	174	95	101	97.5	24370	PASS
177	176	5	9	7.2	1744	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54896.D
Analysis Date: 03/09/10 13:33
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.534 to 4.553 min

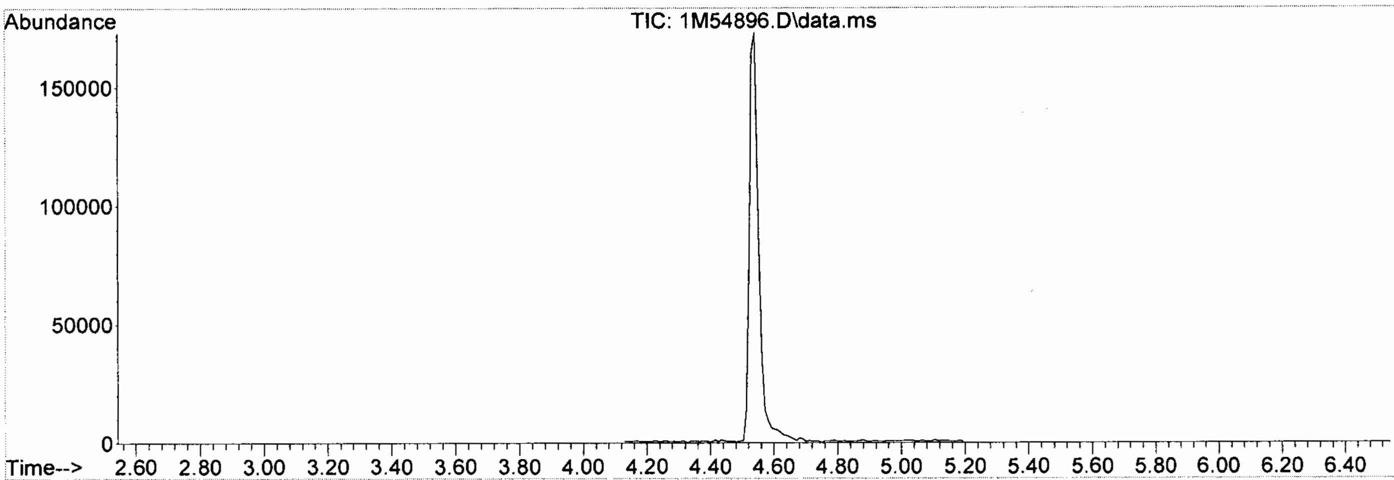
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.6	6491	PASS
75	95	30	60	50.5	15193	PASS
95	95	100	100	100.0	30104	PASS
96	95	5	9	8.0	2421	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	24445	PASS
175	174	5	9	7.6	1849	PASS
176	174	95	101	98.4	24053	PASS
177	176	5	9	7.9	1900	PASS

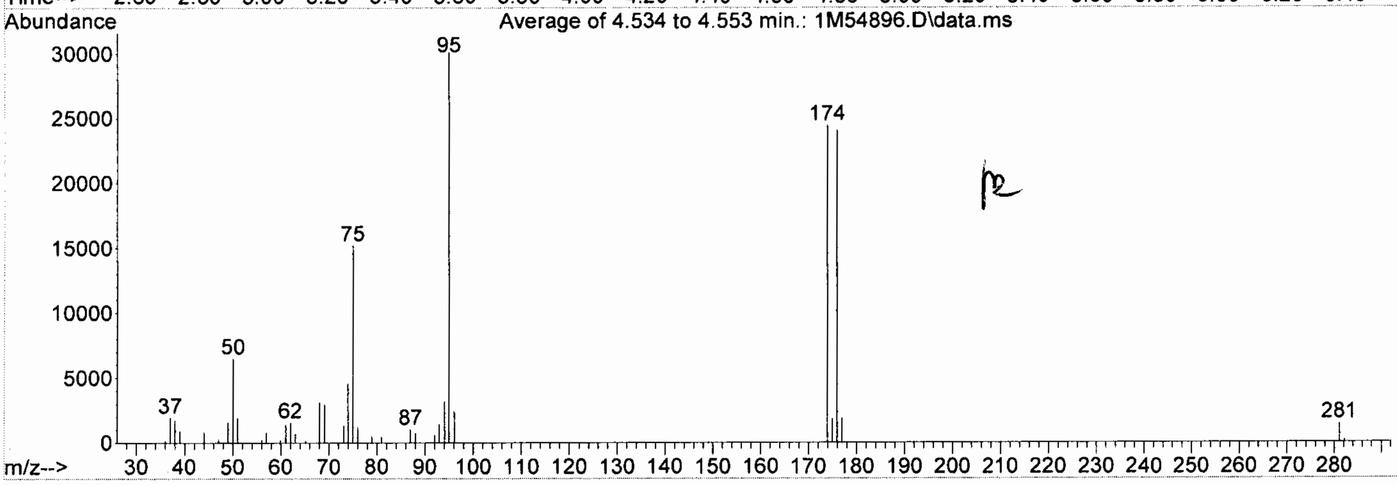
Data File	Sample Number	Analysis Date:
1M54897.D	CAL @ 50 PPB	03/09/10 13:49
1M54898.D	BLK	03/09/10 14:11
1M54899.D	DAILY BLANK	03/09/10 14:27
1M54900.D	MBS15228	03/09/10 14:43
1M54901.D	BLK	03/09/10 15:00
1M54902.D	AC50117-038	03/09/10 15:16
1M54903.D	AC50117-037	03/09/10 15:32
1M54904.D	AC50117-027	03/09/10 15:48
1M54905.D	AC50117-044	03/09/10 16:04
1M54906.D	AC50117-043	03/09/10 16:20
1M54907.D	AC50117-045	03/09/10 16:37
1M54908.D	AC50117-042	03/09/10 16:53
1M54909.D	AC50117-029	03/09/10 17:09
1M54910.D	AC50133-003	03/09/10 17:25
1M54911.D	AC50133-002	03/09/10 17:42
1M54912.D	AC50117-040	03/09/10 17:58
1M54913.D	AC50117-041	03/09/10 18:14
1M54914.D	AC50199-002	03/09/10 18:30
1M54915.D	AC50199-004	03/09/10 18:46
1M54916.D	AC50199-005	03/09/10 19:02
1M54917.D	AC50199-006	03/09/10 19:18
1M54918.D	BLK	03/09/10 19:35
1M54919.D	BLK	03/09/10 19:51
1M54920.D	AC50217-001	03/09/10 20:07
1M54921.D	AC50217-001(MS)	03/09/10 20:23
1M54922.D	AC50217-001(MSD	03/09/10 20:39

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54896.D
Acq On : 9 Mar 2010 13:33
Operator : WP
Sample : BFB TUNE
Misc : S,5G!8
ALS Vial : 46 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Feb 23 14:05:53 2010





Spectrum Information: Average of 4.534 to 4.553 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	6491	PASS
75	95	30	60	50.5	15193	PASS
95	95	100	100	100.0	30104	PASS
96	95	5	9	8.0	2421	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	24445	PASS
175	174	5	9	7.6	1849	PASS
176	174	95	101	98.4	24053	PASS
177	176	5	9	7.9	1900	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M54924.D
Instrument: GCMS 1 **Analysis Date:** 03/10/10 06:41
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.447 to 4.487 min

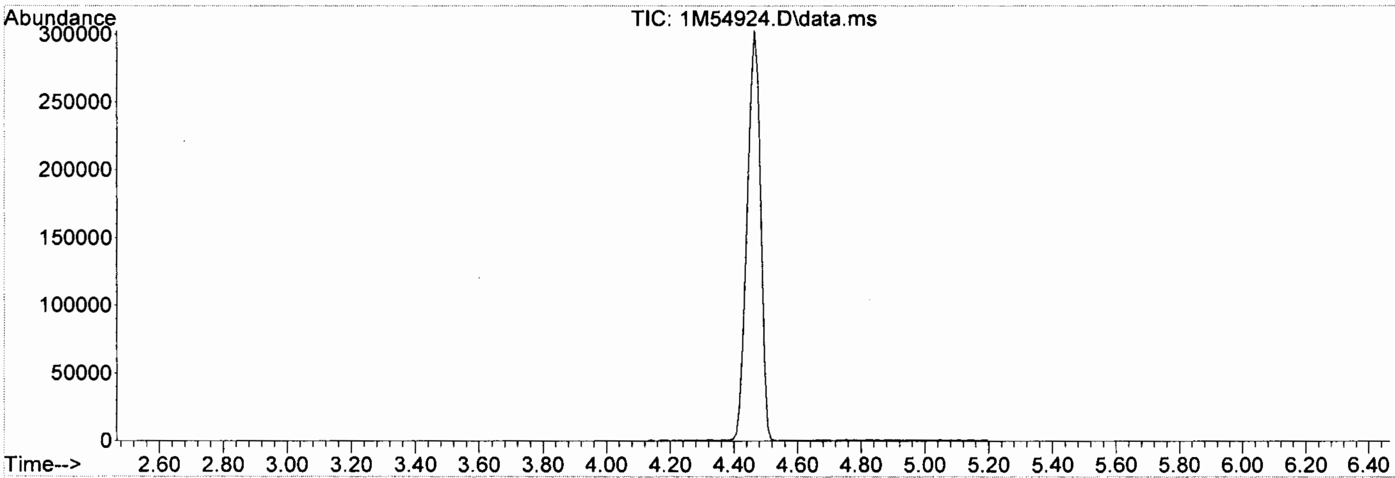
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	10967	PASS
75	95	30	60	49.9	25439	PASS
95	95	100	100	100.0	51029	PASS
96	95	5	9	7.7	3923	PASS
173	174	0.00	2	0.3	122	PASS
174	95	50	100	79.4	40514	PASS
175	174	5	9	7.6	3071	PASS
176	174	95	101	98.0	39707	PASS
177	176	5	9	7.2	2858	PASS

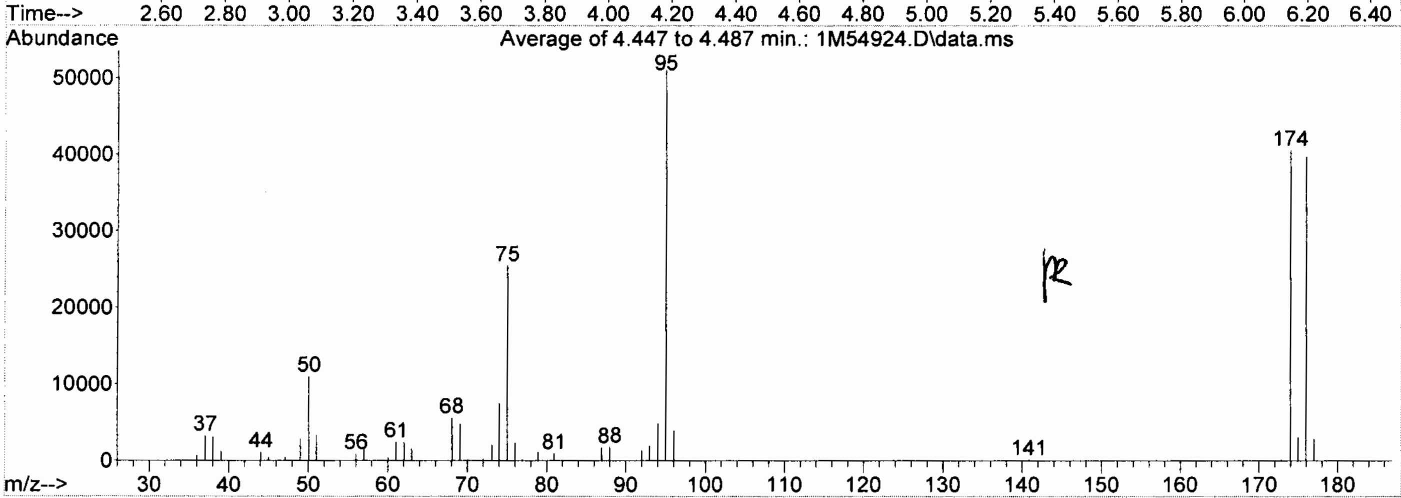
Data File	Sample Number	Analysis Date:
1M54925.D	CAL @ 50 PPB	03/10/10 07:13
1M54926.D	BLK	03/10/10 07:39
1M54927.D	DAILY BLANK	03/10/10 07:55
1M54928.D	BLK	03/10/10 08:18
1M54929.D	AC50117-043	03/10/10 08:35
1M54930.D	MBS15235	03/10/10 08:51
1M54931.D	BLK	03/10/10 09:07
1M54932.D	AC50229-001	03/10/10 09:24
1M54933.D	BLK	03/10/10 09:40
1M54934.D	AC50133-001	03/10/10 09:56
1M54935.D	AC50117-042	03/10/10 10:12
1M54936.D	AC50117-040	03/10/10 10:28
1M54937.D	AC50117-041	03/10/10 10:45
1M54938.D	AC50117-026	03/10/10 11:01
1M54939.D	AC50133-002	03/10/10 11:17
1M54940.D	AC50117-046	03/10/10 11:33
1M54941.D	AC50117-036	03/10/10 11:49
1M54942.D	AC50217-003	03/10/10 12:05
1M54943.D	AC50199-005	03/10/10 12:21
1M54944.D	AC50199-006	03/10/10 12:38
1M54945.D	AC50199-001	03/10/10 12:54
1M54946.D	AC50217-005	03/10/10 13:10
1M54947.D	AC50199-007	03/10/10 13:26
1M54948.D	AC50217-007	03/10/10 13:42
1M54949.D	AC50199-003(5X)	03/10/10 13:58
1M54950.D	AC50217-009	03/10/10 14:15
1M54951.D	AC50217-011	03/10/10 14:31
1M54952.D	BLK	03/10/10 14:43
1M54953.D	MBS15242	03/10/10 14:53
1M54954.D	MBS15243	03/10/10 15:36
1M54955.D	BLK	03/10/10 15:55
1M54956.D	BLK	03/10/10 16:11
1M54957.D	MBS15244	03/10/10 16:27
1M54958.D	AC50217-017	03/10/10 16:43
1M54959.D	AC50217-019	03/10/10 17:00
1M54960.D	AC50217-021	03/10/10 17:16
1M54961.D	AC50217-023	03/10/10 17:32
1M54962.D	AC50217-025	03/10/10 17:48
1M54963.D	AC50217-013	03/10/10 18:04
1M54964.D	AC50199-005(MS)	03/10/10 18:20
1M54965.D	AC50199-005(MSD	03/10/10 18:36
1M54966.D	AC50233-001	03/10/10 18:52
1M54967.D	BLK	03/10/10 19:08
1M54968.D	BLK	03/10/10 19:24
1M54969.D	BLK	03/10/10 19:41
1M54970.D	BLK	03/10/10 19:57

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54924.D
Acq On : 10 Mar 2010 6:41
Operator : WP
Sample : BFB TUNE
Misc : S,5G!8
ALS Vial : 48 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Feb 23 14:05:53 2010





Spectrum Information: Average of 4.447 to 4.487 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	10967	PASS
75	95	30	60	49.9	25439	PASS
95	95	100	100	100.0	51029	PASS
96	95	5	9	7.7	3923	PASS
173	174	0.00	2	0.3	122	PASS
174	95	50	100	79.4	40514	PASS
175	174	5	9	7.6	3071	PASS
176	174	95	101	98.0	39707	PASS
177	176	5	9	7.2	2858	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M54973.D
Analysis Date: 03/11/10 07:30
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.412 to 4.452 min

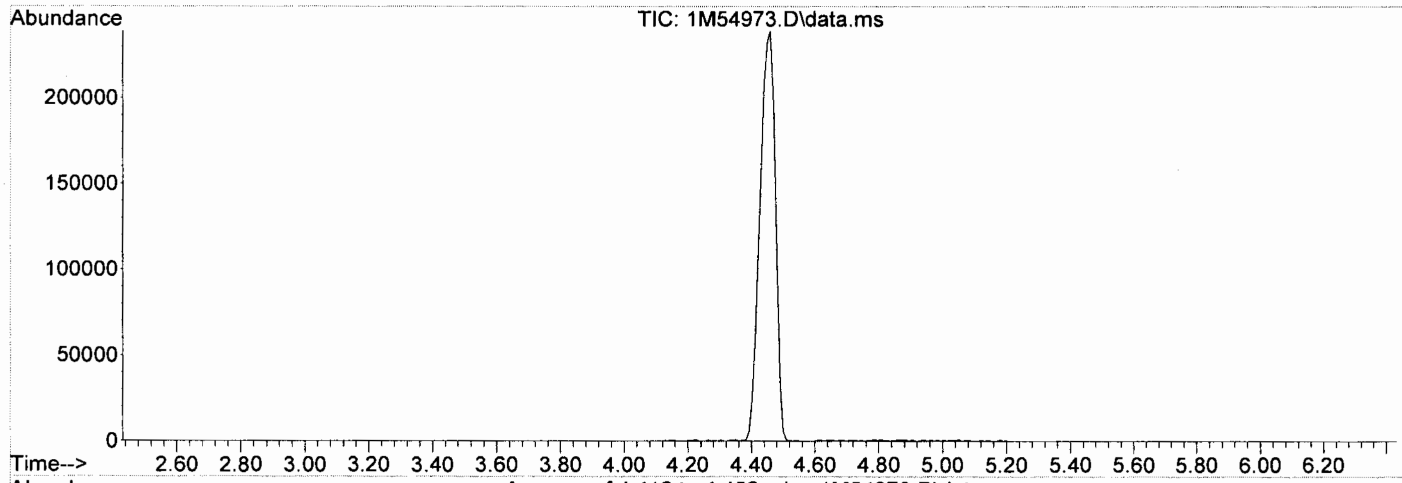
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.6	8034	PASS
75	95	30	60	50.7	17248	PASS
95	95	100	100	100.0	33994	PASS
96	95	5	9	7.8	2643	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.7	23345	PASS
175	174	5	9	8.1	1901	PASS
176	174	95	101	96.0	22417	PASS
177	176	5	9	7.9	1773	PASS

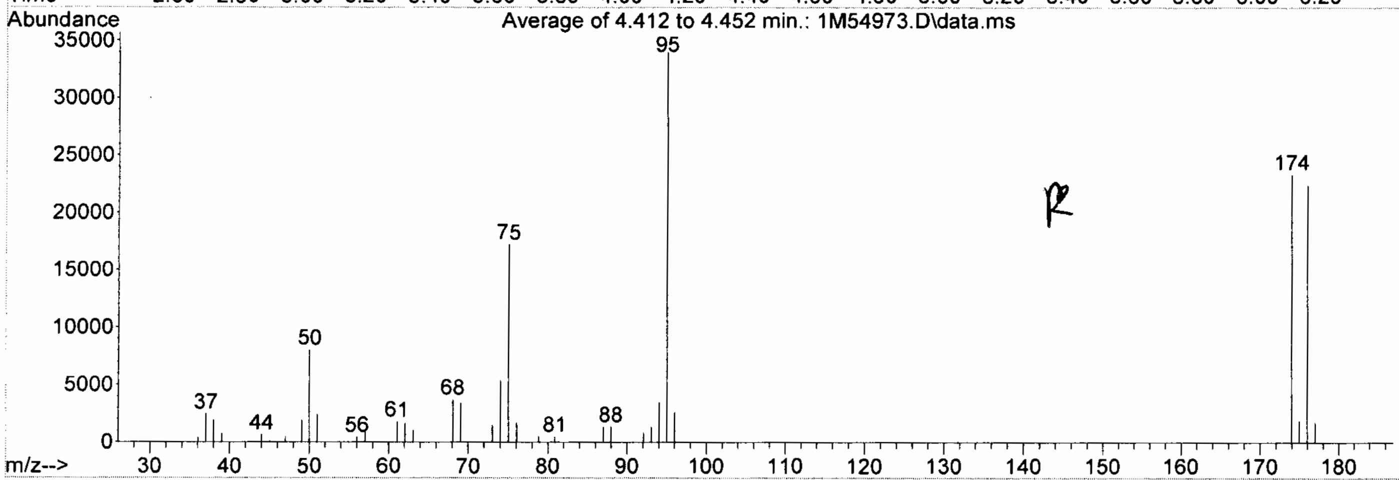
Data File	Sample Number	Analysis Date:
1M54974.D	CAL @ 50 PPB	03/11/10 07:40
1M54975.D	BLK	03/11/10 08:00
1M54976.D	DAILY BLANK	03/11/10 08:16
1M54977.D	MBS15251	03/11/10 08:37
1M54978.D	AC50217-015	03/11/10 08:53
1M54979.D	AC50176-004	03/11/10 09:09
1M54980.D	AC50176-003	03/11/10 09:26
1M54981.D	AC50176-001	03/11/10 09:42
1M54982.D	AC50165-007	03/11/10 09:58
1M54983.D	AC50165-003	03/11/10 10:14
1M54984.D	AC50165-009	03/11/10 10:30
1M54985.D	AC50165-004	03/11/10 10:46
1M54986.D	AC50199-003(5X)	03/11/10 11:03
1M54987.D	MBS15256	03/11/10 11:19
1M54988.D	AC50199-003(5X)	03/11/10 11:35
1M54989.D	AC50217-023(MS)	03/11/10 11:51
1M54990.D	AC50217-023(MSD	03/11/10 12:07
1M54991.D	AC50217-005	03/11/10 12:23
1M54992.D	AC50217-007	03/11/10 12:40
1M54993.D	AC50101-001	03/11/10 12:56
1M54994.D	AC50101-004	03/11/10 13:12
1M54995.D	AC50146-001	03/11/10 13:28
1M54996.D	AC50217-009	03/11/10 13:44
1M54997.D	BLK	03/11/10 14:00
1M54998.D	AC50155-008	03/11/10 14:17
1M54999.D	AC50155-007	03/11/10 14:33
1M55000.D	AC50155-006	03/11/10 14:49
1M55001.D	AC50155-005	03/11/10 15:05
1M55002.D	AC50155-004	03/11/10 15:21
1M55003.D	AC50155-003	03/11/10 15:37
1M55004.D	AC50155-002	03/11/10 15:54
1M55005.D	MBS15259	03/11/10 16:10
1M55006.D	AC50217-025(MS)	03/11/10 16:26
1M55007.D	AC50217-025(MSD	03/11/10 16:42
1M55008.D	BLK	03/11/10 16:58
1M55009.D	AC50155-007	03/11/10 17:14
1M55010.D	AC50101-004	03/11/10 17:30
1M55011.D	BLK	03/11/10 17:46
1M55012.D	AC50165-004	03/11/10 18:02
1M55013.D	BLK	03/11/10 18:18
1M55014.D	BLK	03/11/10 18:34
1M55015.D	BLK	03/11/10 18:51
1M55016.D	BLK	03/11/10 19:07

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54973.D
Acq On : 11 Mar 2010 7:30
Operator : WP
Sample : BFB TUNE
Misc : S,5G!8
ALS Vial : 49 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Feb 23 14:05:53 2010





Spectrum Information: Average of 4.412 to 4.452 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	8034	PASS
75	95	30	60	50.7	17248	PASS
95	95	100	100	100.0	33994	PASS
96	95	5	9	7.8	2643	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.7	23345	PASS
175	174	5	9	8.1	1901	PASS
176	174	95	101	96.0	22417	PASS
177	176	5	9	7.9	1773	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M54899.D
Analysis Date: 03/09/10 14:27
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 #: 145101 ***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
Client Id:
Data File: 1M54899.D
Analysis Date: 03/09/10 14:27
Date Rec/Extracted:

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

Units: mg/Kg

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

Worksheet #: 145101

Total Tentativelv 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 (QT Reviewed)

```
SampleID : DAILY BLANK          Operator : WP                  Qt Meth   : 1M_S0223.M
Data File: 1M54899.D            Sam Mult : 1  Vial# : 49       Qt On     : 03/09/10 14:37
Acq On   : 03/ 9/10 14:27       Misc     : S,5G                Qt Upd On: 02/23/10 14:14

Data Path    : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path      : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration
```

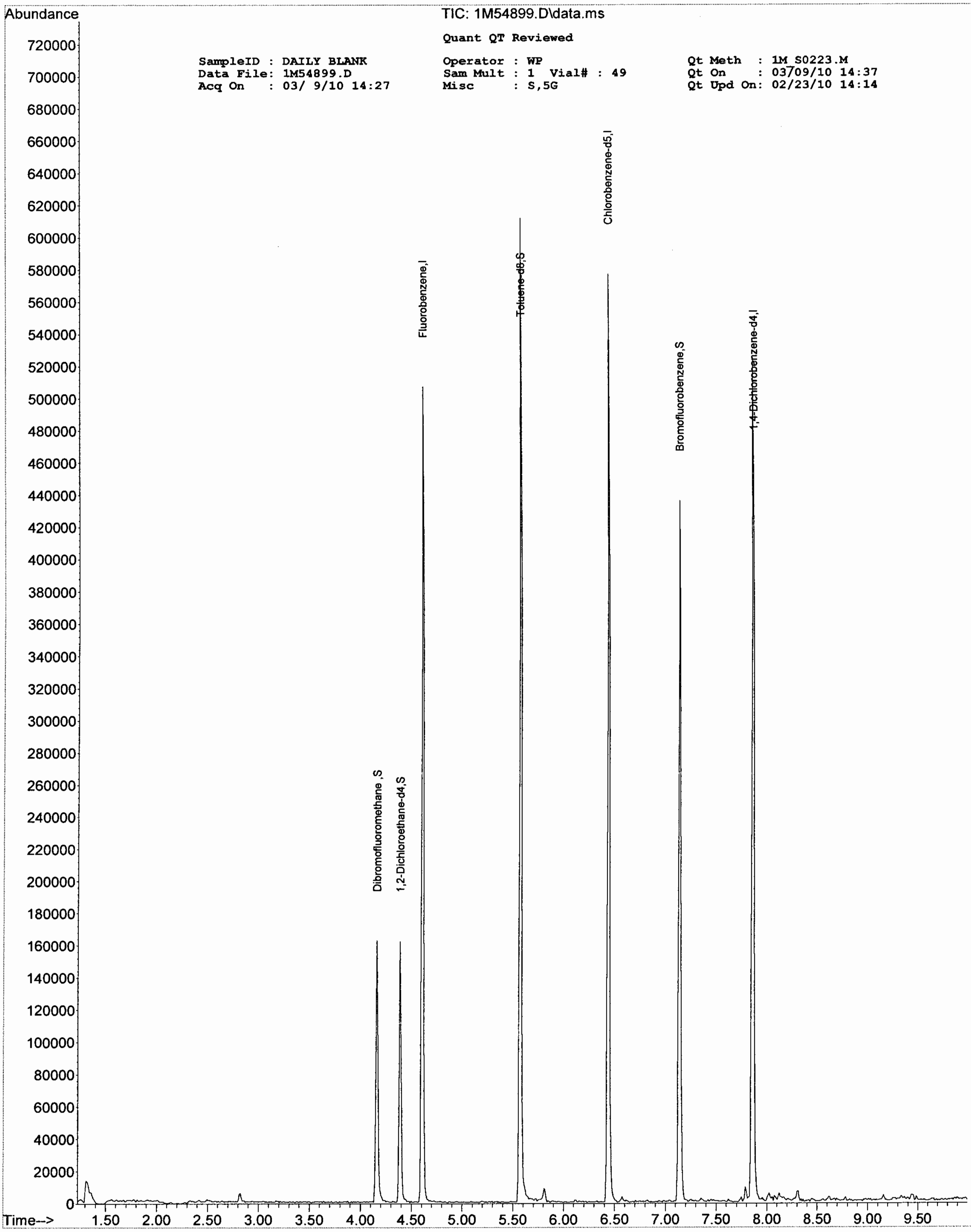
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	243033	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	212213	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.867	152	120511	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.161	111	68545	31.32 ug/l	0.00
Spiked Amount 30.000			Recovery =	104.40%	
35) 1,2-Dichloroethane-d4	4.388	102	12697	32.00 ug/l	0.00
Spiked Amount 30.000			Recovery =	106.67%	
59) Toluene-d8	5.571	100	165604	26.00 ug/l	0.00
Spiked Amount 30.000			Recovery =	86.67%	
67) Bromofluorobenzene	7.138	174	101341	28.36 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.53%	

Target Compounds Qvalue

No Library Search Compounds Found

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

lle



Abundance
TIC: 1M54899.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M54899.D
Acq On : 03/ 9/10 14:27
Operator : WP
Sam Mult : 1 Vial# : 49
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/09/10 14:37
Qt Upd On: 02/23/10 14:14
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\2010\GCMS_1\Data\03-0910\
Data File : 1M54899.D
Acq On : 9 Mar 2010 14:27
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54899.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.309	5	6	16	rVB2	14539	48289	6.04%	1.166%
2	4.161	249	252	259	rBV	162213	234582	29.33%	5.666%
3	4.388	272	275	282	rBV	161508	212619	26.58%	5.136%
4	4.605	294	297	304	rBV	506377	636749	79.61%	15.380%
5	5.571	392	395	404	rBV	611092	788342	98.57%	19.042%
6	5.807	415	419	422	rVB	8525	15467	1.93%	0.374%
7	6.438	480	483	492	rVB	576622	756297	94.56%	18.268%
8	7.138	550	554	560	rBV	435084	621081	77.65%	15.002%
9	7.788	617	620	623	rBV	9053	13485	1.69%	0.326%
10	7.857	624	627	635	rVB	523411	799797	100.00%	19.318%
11	8.310	670	673	679	rVB2	6731	13371	1.67%	0.323%

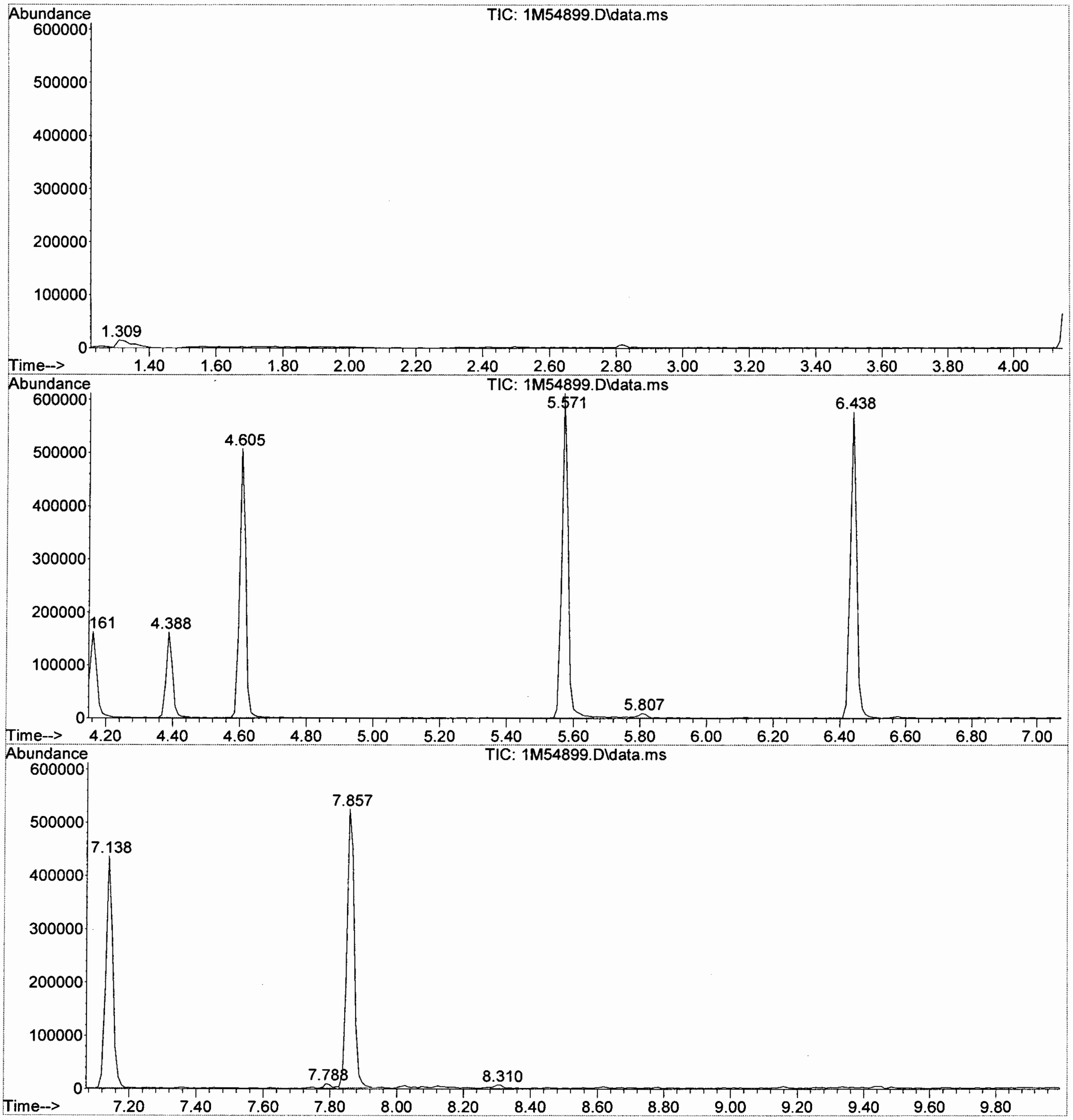
Sum of corrected areas: 4140079

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Data File : 1M54899.D
Acq On : 9 Mar 2010 14:27
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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\2010\GCMS_1\Data\03-0910\
Data File : 1M54899.D
Acq On    :  9 Mar 2010  14:27
Operator  : WP
Sample    : DAILY BLANK
Misc      : S,5G
ALS Vial  : 49   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M54927.D
Analysis Date: 03/10/10 07:55
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 #: 145101 ***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
Client Id:
Data File: 1M54927.D
Analysis Date: 03/10/10 07:55
Date Rec/Extracted:

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

Units: mg/Kg

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

Worksheet #: 145101

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 (QT Reviewed)

SampleID : DAILY BLANK
Data File: 1M54927.D
Acq On : 03/10/10 07:55
Operator : WP
Sam Mult : 1 Vial# : 49
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 08:09
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

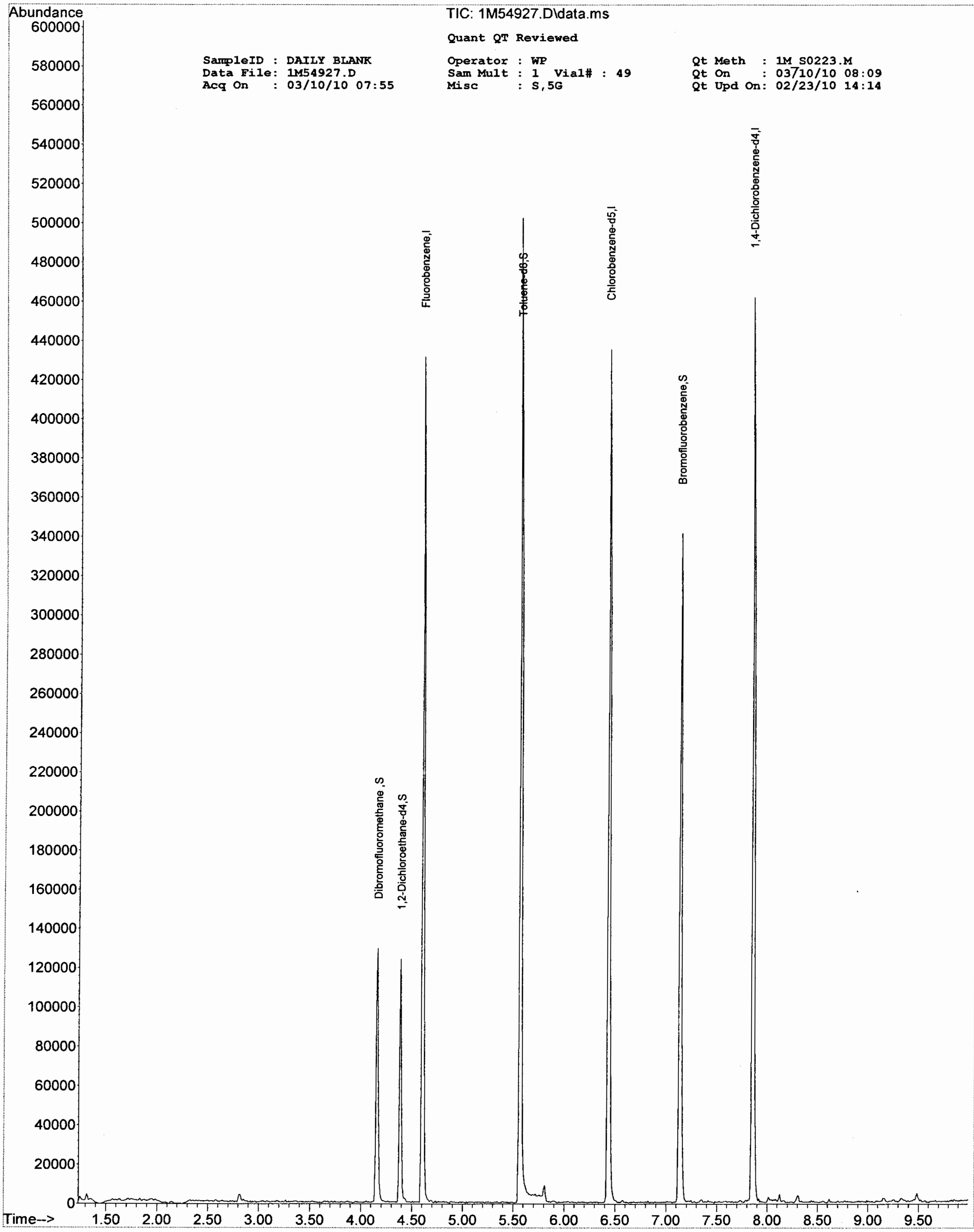
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.606	96	197837	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	170036	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	99812	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.162	111	57975	32.54 ug/l	0.00
Spiked Amount 30.000			Recovery =	108.47%	
35) 1,2-Dichloroethane-d4	4.389	102	10521	32.58 ug/l	0.00
Spiked Amount 30.000			Recovery =	108.60%	
59) Toluene-d8	5.571	100	136027	26.65 ug/l	0.00
Spiked Amount 30.000			Recovery =	88.83%	
67) Bromofluorobenzene	7.138	174	79841	26.98 ug/l	0.00
Spiked Amount 30.000			Recovery =	89.93%	

Target Compounds Qvalue

No Library Search Compounds Found

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

Ve


Abundance
TIC: 1M54927.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M54927.D
Acq On : 03/10/10 07:55
Operator : WP
Sam Mult : 1 Vial# : 49
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 08:09
Qt Upd On: 02/23/10 14:14
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\2010\GCMS_1\Data\03-10-10\
Data File : 1M54927.D
Acq On : 10 Mar 2010 7:55
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 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\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54927.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.162	247	251	260	rVB	129160	198532	29.64%	5.983%
2	4.389	270	274	277	rBV	123788	163799	24.46%	4.936%
3	4.606	293	296	299	rBV	431259	520035	77.64%	15.672%
4	5.571	390	394	405	rBV	502090	669775	100.00%	20.184%
5	5.808	416	418	420	rVB	8234	10577	1.58%	0.319%
6	6.439	478	482	491	rVB	434963	609430	90.99%	18.366%
7	7.139	549	553	559	rVB	340720	495331	73.95%	14.927%
8	7.858	622	626	633	rVB	461345	640549	95.64%	19.303%
9	9.484	783	791	797	rVB4	4470	10280	1.53%	0.310%

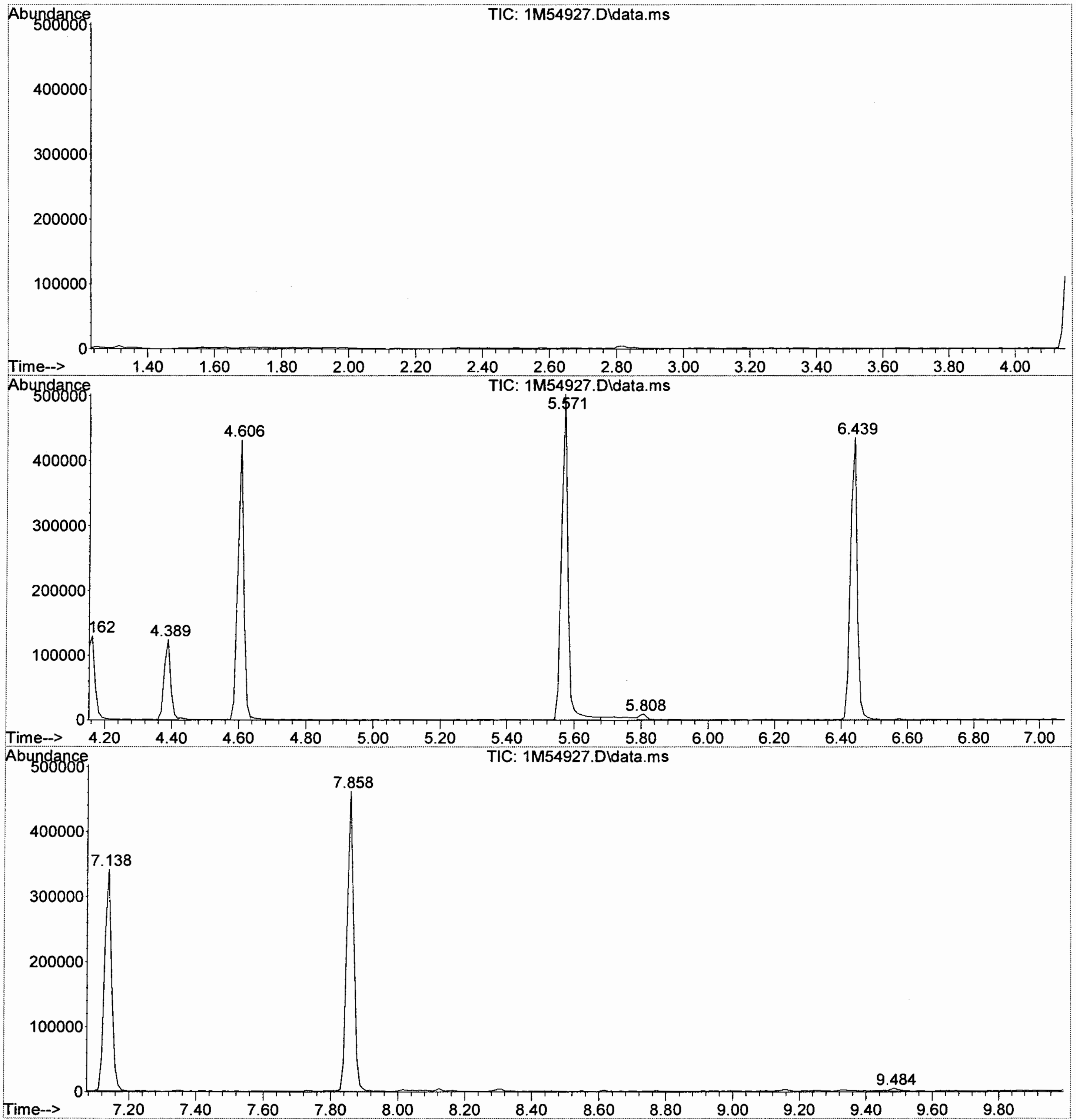
Sum of corrected areas: 3318308

LSC Report - Integrated Chromatogram

```
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Data File : 1M54927.D
Acq On    : 10 Mar 2010   7:55
Operator  : WP
Sample    : DAILY BLANK
Misc      : S,5G
ALS Vial  : 49   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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\2010\GCMS_1\Data\03-10-10\
Data File : 1M54927.D
Acq On    : 10 Mar 2010   7:55
Operator  : WP
Sample    : DAILY BLANK
Misc      : S,5G
ALS Vial  : 49   Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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
 *********************************************************************
```

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M54976.D
Analysis Date: 03/11/10 08:16
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 #: 145100

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:	1M54976.D	Final Vol:	NA
Analysis Date:	03/11/10 08:16	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 #: 145100

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 (QT Reviewed)

SampleID : DAILY BLANK
Data File: 1M54976.D
Acq On : 03/11/10 08:16

Operator : WP
Sam Mult : 1 Vial# : 49
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 08:28
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

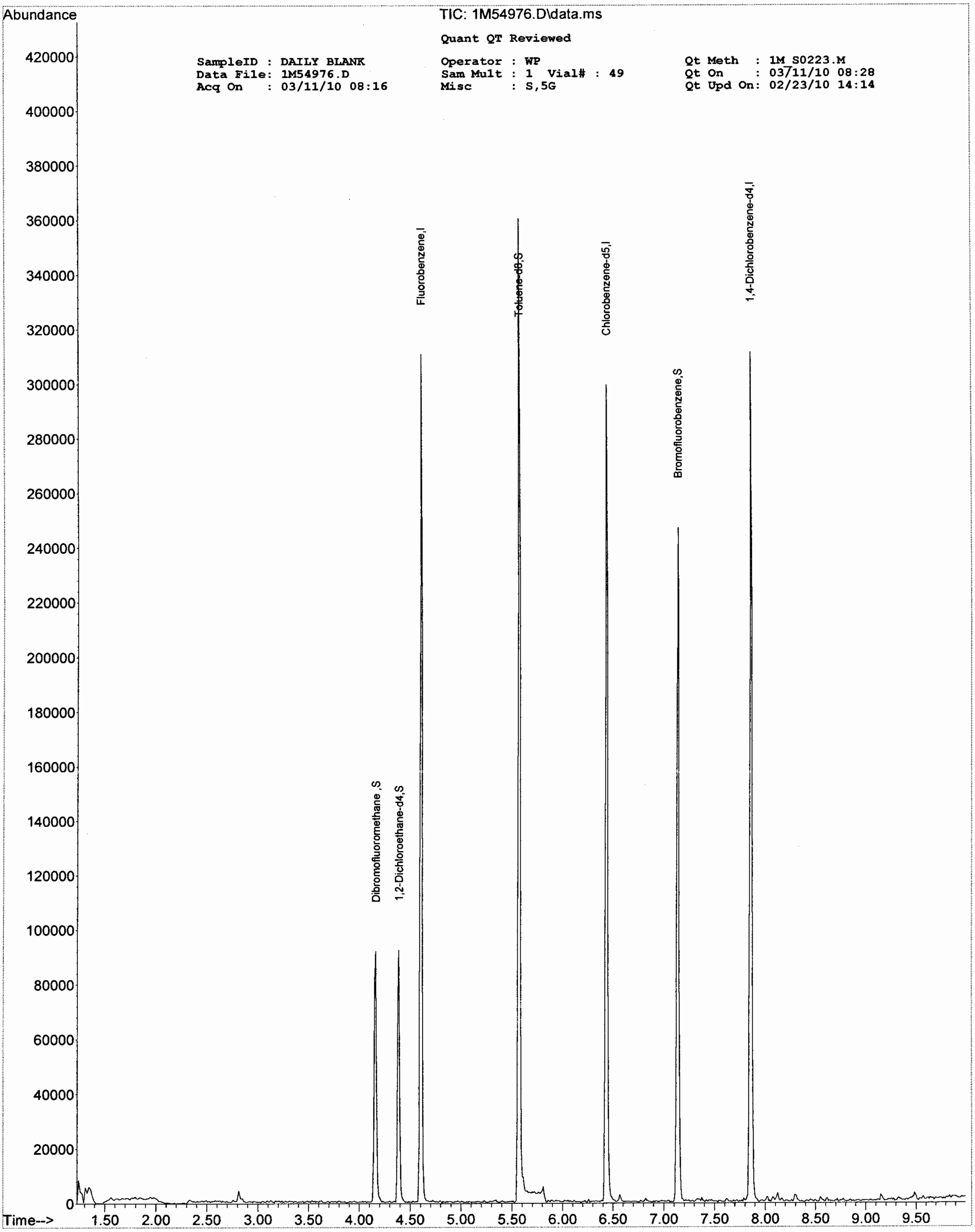
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	148317	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	118974	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	68105	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.162	111	41467	31.05 ug/l	0.00
Spiked Amount 30.000			Recovery =	103.50%	
35) 1,2-Dichloroethane-d4	4.388	102	7548	31.17 ug/l	0.00
Spiked Amount 30.000			Recovery =	103.90%	
59) Toluene-d8	5.571	100	99072	27.74 ug/l	0.00
Spiked Amount 30.000			Recovery =	92.47%	
67) Bromofluorobenzene	7.138	174	56379	27.92 ug/l	0.00
Spiked Amount 30.000			Recovery =	93.07%	

Target Compounds Qvalue

No Library Search Compounds Found

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

W


Abundance
TIC: 1M54976.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M54976.D
Acq On : 03/11/10 08:16
Operator : WP
Sam Mult : 1 Vial# : 49
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 08:28
Qt Upd On: 02/23/10 14:14
420000
400000
380000
360000
340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
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

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54976.D
Acq On : 11 Mar 2010 8:16
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M54976.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.343	7	8	13	rVB	6069	15121	3.23%	0.634%
2	4.162	248	252	258	rVB	91668	141868	30.32%	5.950%
3	4.388	272	275	282	rVB	92174	127416	27.23%	5.344%
4	4.605	294	297	300	rBV	310024	384711	82.22%	16.135%
5	5.571	391	395	398	rBV	360026	467921	100.00%	19.624%
6	5.807	416	419	423	rVB	5679	10428	2.23%	0.437%
7	6.438	479	483	492	rVB	299060	432501	92.43%	18.139%
8	7.138	550	554	560	rVB	246612	354522	75.77%	14.868%
9	7.857	623	627	635	rVB	311240	442494	94.57%	18.558%
10	9.484	785	792	796	rVB3	2928	7407	1.58%	0.311%

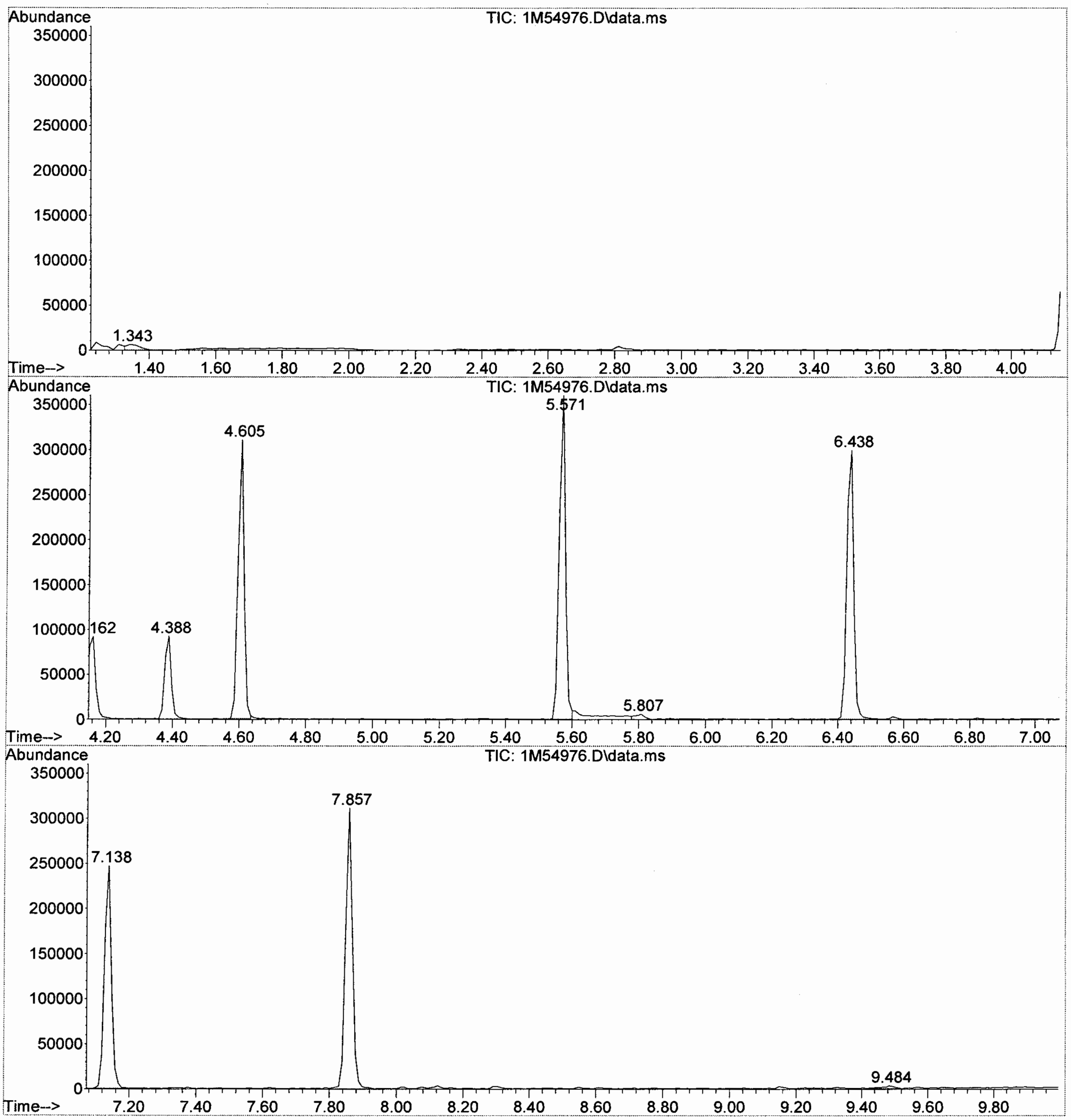
Sum of corrected areas: 2384389

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Data File : 1M54976.D
Acq On : 11 Mar 2010 8:16
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.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\2010\GCMS_1\Data\03-11-10\
Data File : 1M54976.D
Acq On : 11 Mar 2010 8:16
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 49 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0223.M
Quant Title : @GCMS_1,ug,624,8260

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

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

No Library Search Compounds Detected
****

Form3

MBS Data

Method: 8260

					Data File:==>	1M54900.D			1M54930.D			1M54977.D			1M54987.D			1M55005.D		
					Data/Batch/Sample ID:==>	MBS15228-So			MBS15235-So			MBS15251-So			MBS15256-So			MBS15259-So		
					Date/Time:==>	03/09/10 14:43			03/10/10 08:51			03/11/10 08:37			03/11/10 11:19			03/11/10 16:10		
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		42.39	50	85	34.14	50	68	42.06	50	84	42.23	50	84	39.63	50	79
1,1-Dichloroethene	8-114		1	0		33.87	50	68	28.26	50	57	34.63	50	69	33.23	50	66	31.63	50	63
1,2-Dichlorobenzen	19-113		1	0		41.66	50	83	30.88	50	62	37.68	50	75	38.53	50	77	36.08	50	72
1,2-Dichloroethane	18-130		1	0		46.21	50	92	36.52	50	73	42.82	50	86	44.61	50	89	43	50	86
1,4-Dichlorobenzen	20-110		1	0		40.46	50	81	30.65	50	61	37.84	50	76	39.97	50	80	34.7	50	69
2-Butanone	4-141		1	0		46.02	50	92	32.76	50	66	42.97	50	86	53.48	50	107	43.7	50	87
Benzene	21-122		1	0		53.88	50	108	42.93	50	86	51.63	50	103	53.71	50	107	50.68	50	101
Carbon Tetrachlorid	19-122		1	0		46.58	50	93	40.46	50	81	45.71	50	91	44.4	50	89	44.86	50	90
Chlorobenzene	21-117		1	0		42.85	50	86	34.09	50	68	40.34	50	81	39.61	50	79	37.96	50	76
Chloroform	26-119		1	0		47.97	50	96	38.96	50	78	47.18	50	94	46.63	50	93	44.28	50	89
n-Propylbenzene	16-122		1	0		42.72	50	85	31.88	50	64	43.34	50	87	45.83	50	92	41.37	50	83
sec-Butylbenzene	9-125		1	0		45.35	50	91	33.41	50	67	44.79	50	90	46.17	50	92	42.64	50	85
Tetrachloroethene	18-116		1	0		41.75	50	83	34.67	50	69	40.43	50	81	38.02	50	76	36.6	50	73
Toluene	19-128		1	0		49.81	50	100	40.07	50	80	48.91	50	98	49.49	50	99	48.04	50	96
Trichloroethene	21-116		1	0		45.95	50	92	38.05	50	76	43.85	50	88	43.95	50	88	41.57	50	83
Vinyl Chloride	6-117		1	0		33.78	50	68	29.36	50	59	42.54	50	85	34.31	50	69	33.12	50	66

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

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54900.D
Acq On : 03/ 9/10 14:43

Operator : WP
Sam Mult : 1 Vial# : 50
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/09/10 15:13
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.604	96	241478	30.00 ug/l	-0.01
48) Chlorobenzene-d5	6.437	117	199052	30.00 ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.867	152	123603	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.161	111	66956	30.79 ug/l	-0.01
Spiked Amount 30.000			Recovery =	102.63%	
35) 1,2-Dichloroethane-d4	4.387	102	11770	29.86 ug/l	-0.01
Spiked Amount 30.000			Recovery =	99.53%	
59) Toluene-d8	5.570	100	170968	28.61 ug/l	-0.01
Spiked Amount 30.000			Recovery =	95.37%	
67) Bromofluorobenzene	7.137	174	106139	28.96 ug/l	-0.01
Spiked Amount 30.000			Recovery =	96.53%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.377	51	267264	55.46 ug/l	1
6) Dichlorodifluoromethane	1.377	85	76264	27.07 ug/l	100
7) Chloromethane	1.511	50	96818	28.94 ug/l	98
8) Bromomethane	1.830	94	36703	28.36 ug/l	99
9) Vinyl Chloride	1.578	62	76661	33.78 ug/l	99
10) Chloroethane	1.897	64	42295	32.32 ug/l	98
11) Trichlorofluoromethane	2.081	101	207438	42.24 ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.466	101	115863	45.83 ug/l	97
13) Methylene Chloride	2.820	84	119756	41.44 ug/l	93
14) Acrolein	2.377	56	52927	188.47 ug/l	95
15) Acrylonitrile	2.988	53	27744	43.69 ug/l	98
16) Iodomethane	2.584	142	164847	40.21 ug/l	70
17) Acetone	2.495	43	110785	229.76 ug/l	99
18) Carbon Disulfide	2.643	76	323174	42.41 ug/l	100
19) t-Butyl Alcohol	2.880	59	16966	244.66 ug/l	72
20) n-Hexane	3.264	57	186752	44.97 ug/l	91
21) Di-isopropyl-ether	3.412	45	459327	44.80 ug/l	88
22) 1,1-Dichloroethene	2.466	61	191908	33.87 ug/l	92
23) Methyl Acetate	2.732	43	62074	42.36 ug/l	100
24) Methyl-t-butyl ether	3.037	73	169378	44.23 ug/l	71
25) 1,1-Dichloroethane	3.362	63	257237	42.39 ug/l	99
26) trans-1,2-Dichloroethene	3.037	96	120824	43.56 ug/l	79
27) cis-1,2-Dichloroethene	3.826	61	245968	42.66 ug/l	93
28) Bromochloromethane	4.003	49	115830	41.63 ug/l	83
29) 2,2-Dichloropropane	3.836	77	158119	42.35 ug/l	93
30) 1,4-Dioxane	5.048	88	38875	2707.17 ug/l	76
31) 1,1-Dichloropropene	4.309	75	209098	42.91 ug/l	97
32) Chloroform	4.052	83	254322	47.97 ug/l	98
34) Cyclohexane	4.250	56	278344	45.21 ug/l	93
36) 1,2-Dichloroethane	4.437	62	196258	46.21 ug/l	95
37) 2-Butanone	3.826	43	39678	46.02 ug/l	96
38) 1,1,1-Trichloroethane	4.200	97	202823	46.16 ug/l	98
39) Carbon Tetrachloride	4.319	117	182401	46.58 ug/l	87
40) Vinyl Acetate	3.412	43	357576	40.01 ug/l	100
41) Bromodichloromethane	5.127	83	202262	47.33 ug/l	94
42) Methylcyclohexane	4.969	83	258458	47.61 ug/l	80
43) Dibromomethane	5.048	174	90456	48.16 ug/l	90
44) 1,2-Dichloropropane	4.969	63	144390	44.77 ug/l	87
45) Trichloroethene	4.831	130	151305	45.95 ug/l	90
46) Benzene	4.437	78	507584	53.88 ug/l	100
47) tert-Amyl methyl ether	4.506	73	147182	40.78 ug/l	81
49) Dibromochloromethane	6.083	129	136451	46.91 ug/l	99
50) 2-Chloroethylvinylether	5.294	63	52536	38.46 ug/l	93
51) cis-1,3-Dichloropropene	5.403	75	194840	40.26 ug/l	98
52) trans-1,3-Dichloropropene	5.718	75	160700	41.28 ug/l	100
53) 1,1,2-Trichloroethane	5.836	97	96560	45.33 ug/l	97
54) 1,2-Dibromoethane	6.162	107	99476	45.10 ug/l	99
55) 1,3-Dichloropropane	5.935	76	181331	43.33 ug/l	96
56) 4-Methyl-2-Pentanone	5.481	43	82065	39.72 ug/l	93
57) 2-Hexanone	5.964	43	56784	40.75 ug/l	92
58) Tetrachloroethene	5.955	164	152209	41.75 ug/l	98
60) Toluene	5.610	92	347209	49.81 ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.497	133	139952	47.66 ug/l	98
62) Chlorobenzene	6.457	112	385595	42.85 ug/l	100
64) Bromoform	6.950	173	84453	39.48 ug/l	95
65) Ethylbenzene	6.506	106	158400	38.75 ug/l	92
66) 1,1,2,2-Tetrachloroethane	7.196	83	98676	37.56 ug/l	92
68) Styrene	6.822	104	391209	41.16 ug/l	89
69) m&p-Xylenes	6.575	106	498500	80.41 ug/l	94

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54900.D
Acq On : 03/ 9/10 14:43

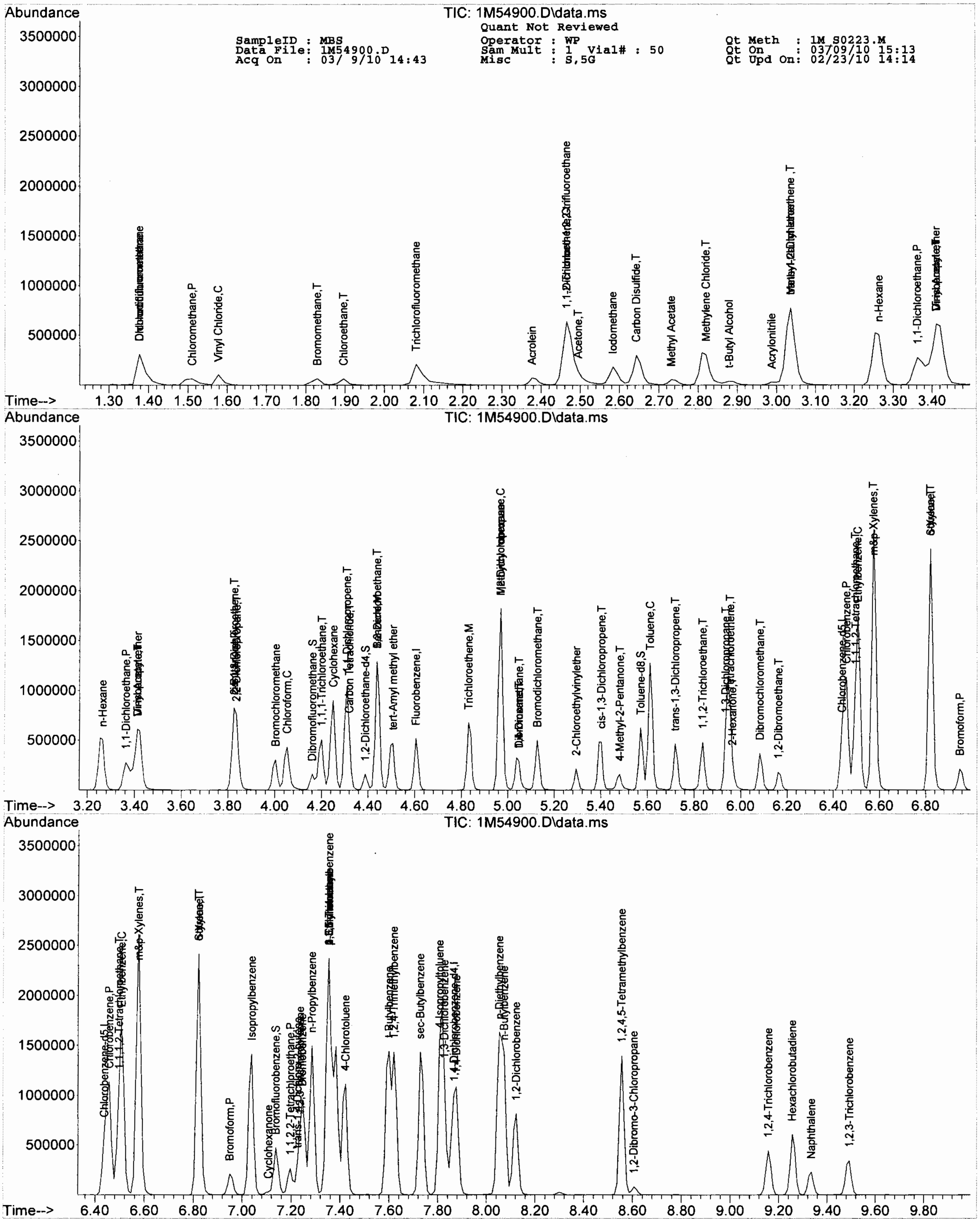
Operator : WP
Sam Mult : 1 Vial# : 50
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/09/10 15:13
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-0910\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.822	106	251025	42.77 ug/l	88
71)	trans-1,4-Dichloro-2-b...	7.226	53	39969	38.11 ug/l	76
72)	1,3-Dichlorobenzene	7.827	146	320774	40.21 ug/l	95
73)	1,4-Dichlorobenzene	7.876	146	314604	40.46 ug/l	96
74)	1,2-Dichlorobenzene	8.123	146	284010	41.66 ug/l	96
75)	Isopropylbenzene	7.039	105	681102	42.69 ug/l	98
76)	Cyclohexanone	7.108	55	12567	160.88 ug/l	97
77)	1,2,3-Trichloropropane	7.236	75	137063	39.20 ug/l	96
78)	2-Chlorotoluene	7.354	91	412032	42.55 ug/l	95
79)	p-Ethyltoluene	7.354	105	658109	35.68 ug/l	99
80)	4-Chlorotoluene	7.423	91	389376	39.25 ug/l	99
81)	n-Propylbenzene	7.285	91	853213	42.72 ug/l	96
82)	Bromobenzene	7.246	77	387129	40.41 ug/l	88
83)	1,3,5-Trimethylbenzene	7.354	105	658109	46.72 ug/l	76
84)	t-Butylbenzene	7.600	119	596614	45.45 ug/l	91
85)	1,2,4-Trimethylbenzene	7.620	105	611942	44.43 ug/l	96
86)	sec-Butylbenzene	7.729	105	778807	45.35 ug/l	99
87)	4-Isopropyltoluene	7.807	119	625006	43.48 ug/l	95
88)	n-Butylbenzene	8.074	91	739613	41.80 ug/l	99
89)	p-Diethylbenzene	8.054	119	375786	41.20 ug/l	99
90)	1,2,4,5-Tetramethylben...	8.556	119	587524	43.66 ug/l	100
91)	1,2-Dibromo-3-Chloropr...	8.606	157	17596	33.67 ug/l	79
92)	Hexachlorobutadiene	9.256	225	125661	25.48 ug/l	99
93)	1,2,4-Trichlorobenzene	9.158	180	122154	22.73 ug/l	98
94)	1,2,3-Trichlorobenzene	9.493	180	105662	21.36 ug/l	95
95)	Naphthalene	9.335	128	155730	22.78 ug/l	100

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


TIC: 1M54900.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M54900.D
Acq On : 03/ 9/10 14:43
Operator : WP
Sam Mult : 1 Vial# : 50
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/09/10 15:13
Qt Upd On: 02/23/10 14:14
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
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
Chlorobenzene-d5,I
Chlorobenzene,P
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 (Not Reviewed)

SampleID : MBS
Data File: 1M54930.D
Acq On : 03/10/10 08:51

Operator : WP
Sam Mult : 1 Vial# : 52
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/10/10 09:02
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	230325	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	185729	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	115735	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.162	111	65512	31.58 ug/l	0.00
Spiked Amount 30.000			Recovery =	105.27%	
35) 1,2-Dichloroethane-d4	4.389	102	11835	31.48 ug/l	0.00
Spiked Amount 30.000			Recovery =	104.93%	
59) Toluene-d8	5.571	100	157945	28.33 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.43%	
67) Bromofluorobenzene	7.138	174	98187	28.61 ug/l	0.00
Spiked Amount 30.000			Recovery =	95.37%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
5) Chlorodifluoromethane	1.376	51	193063	42.00 ug/l	1
6) Dichlorodifluoromethane	1.376	85	65251	24.29 ug/l	95
7) Chloromethane	1.510	50	74445	23.33 ug/l	98
8) Bromomethane	1.829	94	30029	24.32 ug/l	95
9) Vinyl Chloride	1.577	62	63555	29.36 ug/l	95
10) Chloroethane	1.896	64	35314	28.30 ug/l	99
11) Trichlorofluoromethane	2.080	101	177525	37.90 ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.467	101	97559	40.46 ug/l	96
13) Methylene Chloride	2.812	84	89505	32.47 ug/l	98
14) Acrolein	2.378	56	38755	144.69 ug/l	96
15) Acrylonitrile	2.989	53	13952	23.04 ug/l	97
16) Iodomethane	2.585	142	133880	34.24 ug/l	69
17) Acetone	2.486	43	77348	154.77 ug/l	96
18) Carbon Disulfide	2.644	76	256171	35.24 ug/l	100
19) t-Butyl Alcohol	2.881	59	10229	154.65 ug/l	68
20) n-Hexane	3.255	57	148243	37.43 ug/l	90
21) Di-isopropyl-ether	3.413	45	317853	32.50 ug/l	91
22) 1,1-Dichloroethene	2.467	61	152713	28.26 ug/l	93
23) Methyl Acetate	2.733	43	41174	29.46 ug/l	100
24) Methyl-t-butyl ether	3.038	73	114071	31.23 ug/l	69
25) 1,1-Dichloroethane	3.364	63	197594	34.14 ug/l	97
26) trans-1,2-Dichloroethene	3.038	96	93880	35.48 ug/l	76
27) cis-1,2-Dichloroethene	3.827	61	188926	34.35 ug/l	96
28) Bromochloromethane	3.994	49	82370	31.03 ug/l	75
29) 2,2-Dichloropropane	3.837	77	131838	37.02 ug/l	93
30) 1,4-Dioxane	5.039	88	25004	1825.54 ug/l	70
31) 1,1-Dichloropropene	4.300	75	162026	34.86 ug/l	98
32) Chloroform	4.053	83	197048	38.96 ug/l	99
34) Cyclohexane	4.251	56	212807	36.24 ug/l	92
36) 1,2-Dichloroethane	4.438	62	147940	36.52 ug/l	97
37) 2-Butanone	3.827	43	26938	32.76 ug/l	94
38) 1,1,1-Trichloroethane	4.191	97	160907	38.40 ug/l	99
39) Carbon Tetrachloride	4.310	117	151109	40.46 ug/l	88
40) Vinyl Acetate	3.413	43	258641	30.34 ug/l	100
41) Bromodichloromethane	5.128	83	153621	37.68 ug/l	95
42) Methylcyclohexane	4.970	83	195941	37.84 ug/l	80
43) Dibromomethane	5.039	174	67176	37.50 ug/l	93
44) 1,2-Dichloropropane	4.970	63	105907	34.43 ug/l	91
45) Trichloroethene	4.832	130	119497	38.05 ug/l	92
46) Benzene	4.438	78	385775	42.93 ug/l	100
47) tert-Amyl methyl ether	4.497	73	98322	28.56 ug/l	76
49) Dibromochloromethane	6.084	129	97083	35.77 ug/l	98
50) 2-Chloroethylvinylether	5.295	63	34726	27.25 ug/l	92
51) cis-1,3-Dichloropropene	5.394	75	143819	31.85 ug/l	95
52) trans-1,3-Dichloropropene	5.719	75	116166	31.98 ug/l	99
53) 1,1,2-Trichloroethane	5.837	97	67627	34.02 ug/l	98
54) 1,2-Dibromoethane	6.163	107	69215	33.63 ug/l	92
55) 1,3-Dichloropropane	5.936	76	130011	33.30 ug/l	96
56) 4-Methyl-2-Pentanone	5.473	43	51428	26.67 ug/l	98
57) 2-Hexanone	5.965	43	33260	25.58 ug/l	98
58) Tetrachloroethene	5.946	164	117926	34.67 ug/l	99
60) Toluene	5.611	92	260621	40.07 ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.498	133	102987	37.59 ug/l	99
62) Chlorobenzene	6.458	112	286240	34.09 ug/l	99
64) Bromoform	6.951	173	57782	28.85 ug/l	97
65) Ethylbenzene	6.508	106	124968	32.65 ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.188	83	64047	26.04 ug/l	86
68) Styrene	6.823	104	275306	30.94 ug/l	92
69) m&p-Xylenes	6.577	106	370863	63.89 ug/l	98

R

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54930.D
Acq On : 03/10/10 08:51

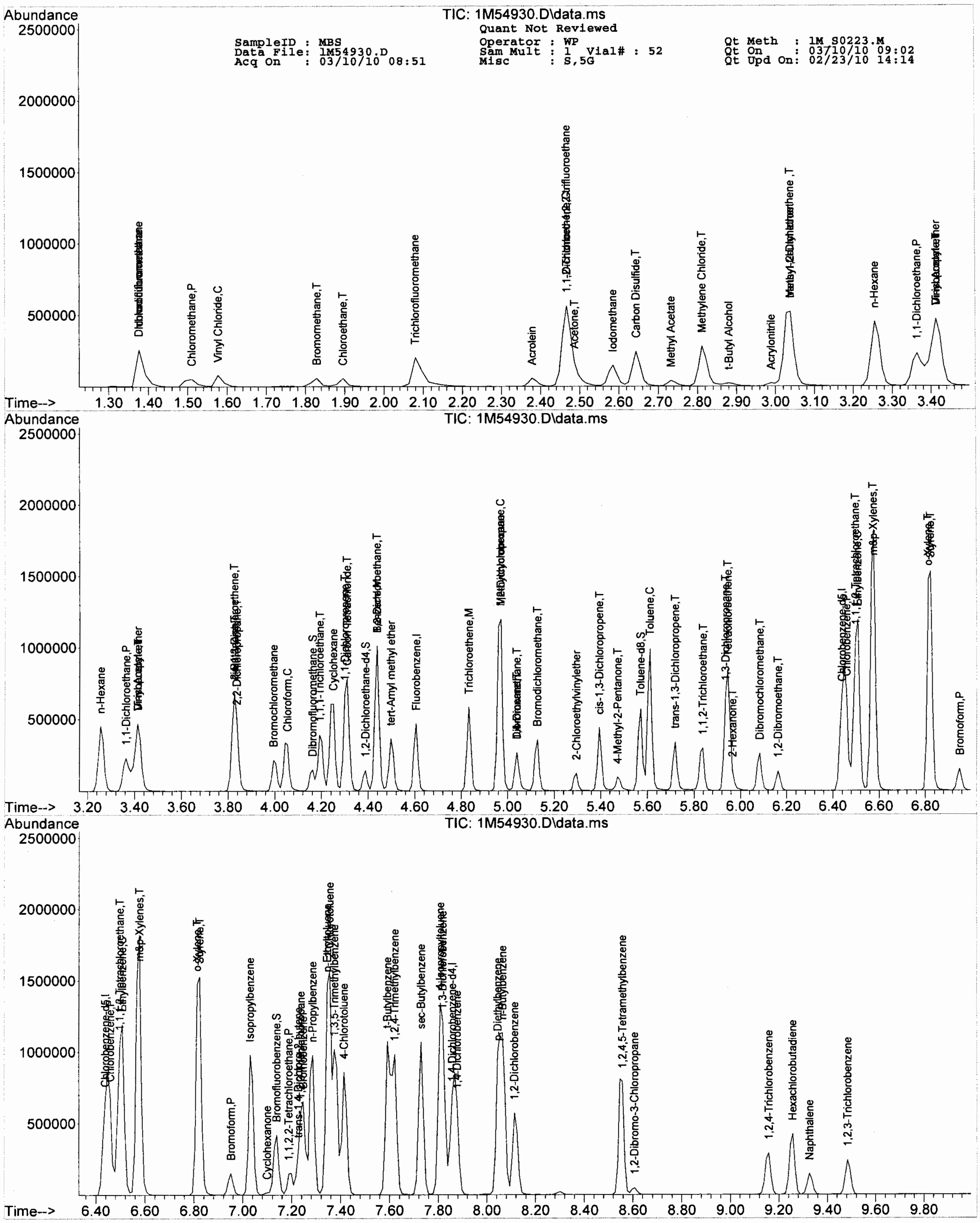
Operator : WP
Sam Mult : 1 Vial# : 52
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/10/10 09:02
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.813	106	180383	32.82	ug/l	84
71)	trans-1,4-Dichloro-2-b...	7.227	53	29732	30.28	ug/l	62
72)	1,3-Dichlorobenzene	7.818	146	232891	31.18	ug/l	93
73)	1,4-Dichlorobenzene	7.877	146	223159	30.65	ug/l	95
74)	1,2-Dichlorobenzene	8.114	146	197099	30.88	ug/l	95
75)	Isopropylbenzene	7.030	105	478715	32.04	ug/l	98
76)	Cyclohexanone	7.099	55	7434	101.64	ug/l	93
77)	1,2,3-Trichloropropane	7.237	75	91201	27.86	ug/l	95
78)	2-Chlorotoluene	7.355	91	316992	34.68	ug/l	97
79)	p-Ethyltoluene	7.345	105	506605	29.34	ug/l	95
80)	4-Chlorotoluene	7.414	91	296128	31.88	ug/l	96
81)	n-Propylbenzene	7.286	91	596175	31.88	ug/l	94
82)	Bromobenzene	7.247	77	270684	30.18	ug/l	90
83)	1,3,5-Trimethylbenzene	7.375	105	401989	30.48	ug/l	41
84)	t-Butylbenzene	7.592	119	412788	33.58	ug/l	92
85)	1,2,4-Trimethylbenzene	7.621	105	436262	33.83	ug/l	96
86)	sec-Butylbenzene	7.730	105	537200	33.41	ug/l	99
87)	4-Isopropyltoluene	7.809	119	433943	32.24	ug/l	95
88)	n-Butylbenzene	8.065	91	518212	31.28	ug/l	98
89)	p-Diethylbenzene	8.045	119	257485	30.15	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.558	119	392910	31.19	ug/l	99
91)	1,2-Dibromo-3-Chloropr...	8.607	157	10875	22.22	ug/l	72
92)	Hexachlorobutadiene	9.257	225	87687	18.99	ug/l	98
93)	1,2,4-Trichlorobenzene	9.159	180	87197	17.33	ug/l	100
94)	1,2,3-Trichlorobenzene	9.484	180	71875	15.52	ug/l	97
95)	Naphthalene	9.326	128	95373	14.90	ug/l	100

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


Abundance
TIC: 1M54930.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M54930.D
Acq On : 03/10/10 08:51
Operator : WP
Sam Mult : 1 Vial# : 52
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 09:02
Qt Upd On: 02/23/10 14:14
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-->

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54977.D
Acq On : 03/11/10 08:37

Operator : WP
Sam Mult : 1 Vial# : 50
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 09:14
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	159452	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	123216	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	71605	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.152	111	45789	31.89 ug/l	-0.02
Spiked Amount 30.000			Recovery =	106.30%	
35) 1,2-Dichloroethane-d4	4.378	102	7910	30.39 ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.30%	
59) Toluene-d8	5.561	100	110330	29.83 ug/l	-0.02
Spiked Amount 30.000			Recovery =	99.43%	
67) Bromofluorobenzene	7.138	174	61707	29.06 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.87%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.377	51	100808	31.68 ug/l	1
6) Dichlorodifluoromethane	1.377	85	35539	19.11 ug/l	96
7) Chloromethane	1.494	50	81971	37.10 ug/l	99
8) Bromomethane	1.813	94	33596	39.31 ug/l	94
9) Vinyl Chloride	1.578	62	63747	42.54 ug/l	99
10) Chloroethane	1.880	64	38746	44.84 ug/l	98
11) Trichlorofluoromethane	2.081	101	125770	38.78 ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	79950	47.89 ug/l	95
13) Methylene Chloride	2.811	84	78059	40.90 ug/l	98
14) Acrolein	2.377	56	35932	193.77 ug/l	98
15) Acrylonitrile	2.989	53	17459	41.64 ug/l	85
16) Iodomethane	2.575	142	105205	38.86 ug/l	70
17) Acetone	2.486	43	70517	219.68 ug/l	95
18) Carbon Disulfide	2.634	76	217423	43.21 ug/l	100
19) t-Butyl Alcohol	2.870	59	8617	188.19 ug/l	80
20) n-Hexane	3.255	57	134032	48.88 ug/l	90
21) Di-isopropyl-ether	3.412	45	297540	43.94 ug/l	90
22) 1,1-Dichloroethene	2.456	61	129560	34.63 ug/l	89
23) Methyl Acetate	2.732	43	43158	44.60 ug/l	100
24) Methyl-t-butyl ether	3.028	73	104501	41.33 ug/l	68
25) 1,1-Dichloroethane	3.353	63	168557	42.06 ug/l	99
26) trans-1,2-Dichloroethene	3.028	96	81192	44.33 ug/l	85
27) cis-1,2-Dichloroethene	3.816	61	166972	43.86 ug/l	90
28) Bromochloromethane	3.994	49	74558	40.58 ug/l	80
29) 2,2-Dichloropropane	3.826	77	111937	45.40 ug/l	92
30) 1,4-Dioxane	5.039	88	20904	2204.56 ug/l	80
31) 1,1-Dichloropropene	4.299	75	131798	40.96 ug/l	96
32) Chloroform	4.043	83	165169	47.18 ug/l	100
34) Cyclohexane	4.240	56	188735	46.43 ug/l	89
36) 1,2-Dichloroethane	4.428	62	120089	42.82 ug/l	99
37) 2-Butanone	3.816	43	24463	42.97 ug/l	95
38) 1,1,1-Trichloroethane	4.191	97	131316	45.26 ug/l	96
39) Carbon Tetrachloride	4.309	117	118192	45.71 ug/l	90
40) Vinyl Acetate	3.402	43	241735	40.96 ug/l	100
41) Bromodichloromethane	5.117	83	122819	43.52 ug/l	98
42) Methylcyclohexane	4.960	83	168189	46.92 ug/l	81
43) Dibromomethane	5.039	174	52030	41.95 ug/l	92
44) 1,2-Dichloropropane	4.960	63	89525	42.04 ug/l	88
45) Trichloroethene	4.832	130	95324	43.85 ug/l	96
46) Benzene	4.437	78	321177	51.63 ug/l	100
47) tert-Amyl methyl ether	4.497	73	86428	36.26 ug/l	75
49) Dibromochloromethane	6.083	129	76632	42.56 ug/l	100
50) 2-Chloroethylvinylether	5.285	63	32295	38.19 ug/l	87
51) cis-1,3-Dichloropropene	5.393	75	123161	41.11 ug/l	98
52) trans-1,3-Dichloropropene	5.719	75	99336	41.22 ug/l	98
53) 1,1,2-Trichloroethane	5.827	97	55556	42.13 ug/l	92
54) 1,2-Dibromoethane	6.162	107	55091	40.35 ug/l	86
55) 1,3-Dichloropropane	5.935	76	105211	40.62 ug/l	97
56) 4-Methyl-2-Pentanone	5.472	43	48712	38.08 ug/l	100
57) 2-Hexanone	5.965	43	32805	38.04 ug/l	99
58) Tetrachloroethene	5.945	164	91235	40.43 ug/l	96
60) Toluene	5.610	92	211073	48.91 ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.487	133	77981	42.90 ug/l	96
62) Chlorobenzene	6.448	112	224709	40.34 ug/l	100
64) Bromoform	6.951	173	44427	35.85 ug/l	94
65) Ethylbenzene	6.507	106	94104	39.74 ug/l	99
66) 1,1,2,2-Tetrachloroethane	7.187	83	54076	35.53 ug/l	87
68) Styrene	6.822	104	223389	40.57 ug/l	95
69) m&p-Xylenes	6.576	106	296312	82.50 ug/l	100

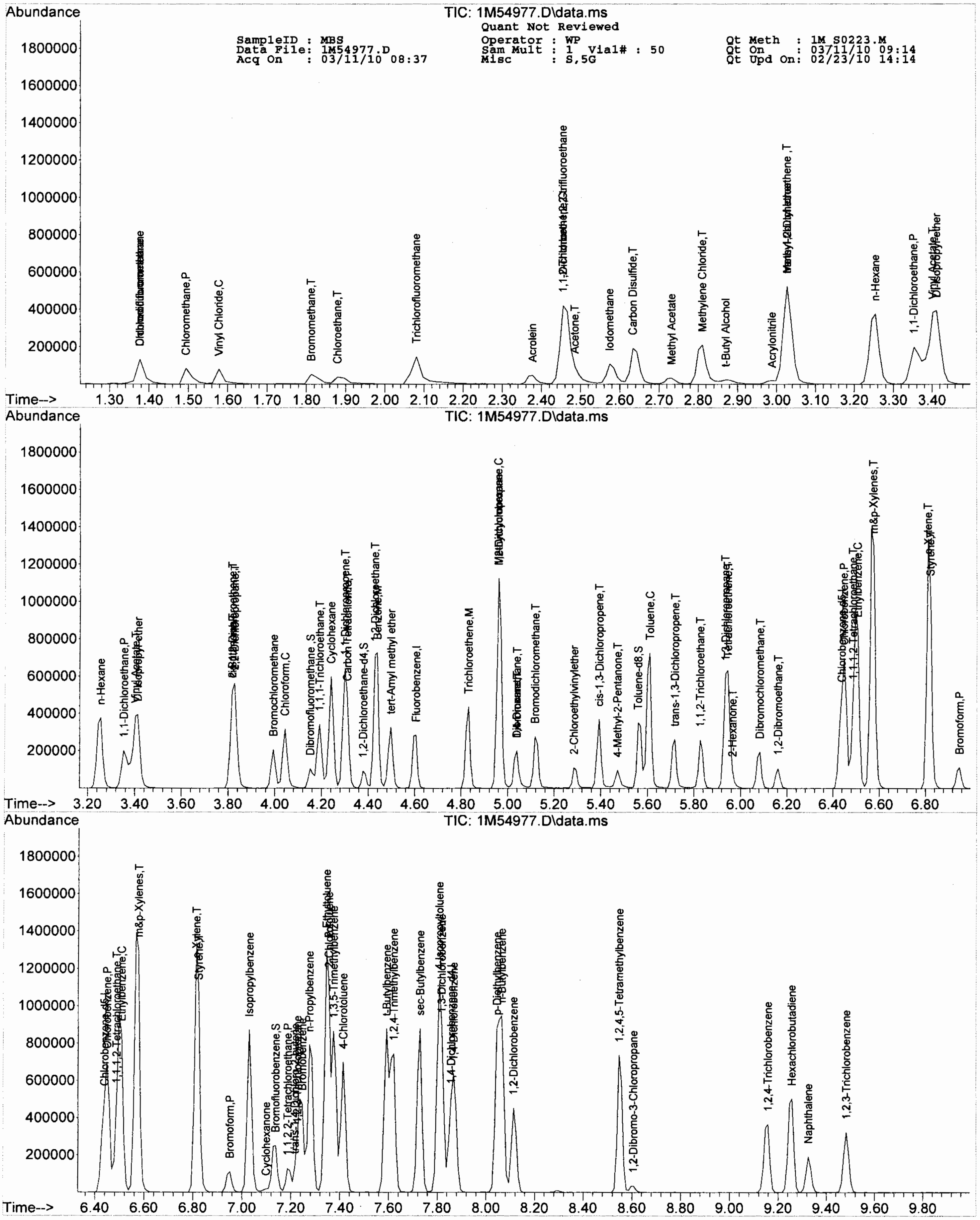
Quantitation Report (Not Reviewed)

SampleID : MBS	Operator : WP	Qt Meth : 1M_S0223.M
Data File: 1M54977.D	Sam Mult : 1 Vial# : 50	Qt On : 03/11/10 09:14
Acq On : 03/11/10 08:37	Misc : S,5G	Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.813	106	141022	41.48	ug/l	81
71)	trans-1,4-Dichloro-2-b...	7.217	53	24992	41.13	ug/l	63
72)	1,3-Dichlorobenzene	7.818	146	179815	38.91	ug/l	94
73)	1,4-Dichlorobenzene	7.867	146	170442	37.84	ug/l	93
74)	1,2-Dichlorobenzene	8.114	146	148827	37.68	ug/l	95
75)	Isopropylbenzene	7.029	105	393178	42.54	ug/l	98
76)	Cyclohexanone	7.098	55	6908	152.65	ug/l	91
77)	1,2,3-Trichloropropane	7.227	75	77365	38.20	ug/l	92
78)	2-Chlorotoluene	7.355	91	238784	42.57	ug/l	98
79)	p-Ethyltoluene	7.345	105	421790	39.48	ug/l	96
80)	4-Chlorotoluene	7.414	91	239872	41.74	ug/l	96
81)	n-Propylbenzene	7.276	91	501448	43.34	ug/l	96
82)	Bromobenzene	7.246	77	221482	39.91	ug/l	87
83)	1,3,5-Trimethylbenzene	7.374	105	304589	37.33	ug/l	32
84)	t-Butylbenzene	7.591	119	332125	43.68	ug/l	91
85)	1,2,4-Trimethylbenzene	7.621	105	342744	42.96	ug/l	96
86)	sec-Butylbenzene	7.729	105	445570	44.79	ug/l	99
87)	4-Isopropyltoluene	7.808	119	355450	42.69	ug/l	94
88)	n-Butylbenzene	8.064	91	440411	42.97	ug/l	98
89)	p-Diethylbenzene	8.045	119	213472	40.40	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.547	119	328220	42.11	ug/l	98
91)	1,2-Dibromo-3-Chloropr...	8.606	157	8471	27.98	ug/l	82
92)	Hexachlorobutadiene	9.257	225	112600	39.41	ug/l	98
93)	1,2,4-Trichlorobenzene	9.158	180	111252	35.73	ug/l	98
94)	1,2,3-Trichlorobenzene	9.484	180	91689	31.99	ug/l	95
95)	Naphthalene	9.326	128	124467	31.42	ug/l	100

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



TIC: 1M54977.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M54977.D
Acq On : 03/11/10 08:37
Operator : WP
Sam Mult : 1 Vial# : 50
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 09:14
Qt Upd On: 02/23/10 14:14
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
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
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

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54987.D
Acq On : 03/11/10 11:19

Operator : WP
Sam Mult : 1 Vial# : 57
Misc : S,5G!4

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 11:31
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	148563	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	121275	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	66162	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.161	111	39960	29.87 ug/l	0.00
Spiked Amount 30.000			Recovery =	99.57%	
35) 1,2-Dichloroethane-d4	4.388	102	7871	32.45 ug/l	0.00
Spiked Amount 30.000			Recovery =	108.17%	
59) Toluene-d8	5.571	100	105053	28.86 ug/l	0.00
Spiked Amount 30.000			Recovery =	96.20%	
67) Bromofluorobenzene	7.138	174	58937	30.04 ug/l	0.00
Spiked Amount 30.000			Recovery =	100.13%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.377	51	208847	70.44 ug/l	1
6) Dichlorodifluoromethane	1.377	85	26795	15.46 ug/l	95
7) Chloromethane	1.511	50	53679	26.08 ug/l	99
8) Bromomethane	1.829	94	25442	31.95 ug/l	98
9) Vinyl Chloride	1.578	62	47897	34.31 ug/l	100
10) Chloroethane	1.896	64	27944	34.71 ug/l	92
11) Trichlorofluoromethane	2.081	101	115550	38.24 ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.466	101	65349	42.02 ug/l	93
13) Methylene Chloride	2.811	84	70791	39.81 ug/l	94
14) Acrolein	2.378	56	36881	213.47 ug/l	100
15) Acrylonitrile	2.989	53	19165	49.06 ug/l	96
16) Iodomethane	2.585	142	94275	37.38 ug/l	69
17) Acetone	2.486	43	70699	240.19 ug/l	96
18) Carbon Disulfide	2.644	76	185745	39.62 ug/l	100
19) t-Butyl Alcohol	2.880	59	9835	230.53 ug/l	88
20) n-Hexane	3.255	57	116843	45.74 ug/l	87
21) Di-isopropyl-ether	3.412	45	296796	47.05 ug/l	89
22) 1,1-Dichloroethene	2.466	61	115822	33.23 ug/l	89
23) Methyl Acetate	2.732	43	46586	51.67 ug/l	100
24) Methyl-t-butyl ether	3.038	73	112749	47.86 ug/l	72
25) 1,1-Dichloroethane	3.363	63	157655	42.23 ug/l	99
26) trans-1,2-Dichloroethene	3.038	96	72133	42.27 ug/l	76
27) cis-1,2-Dichloroethene	3.826	61	154656	43.60 ug/l	92
28) Bromochloromethane	3.994	49	73015	42.65 ug/l	69
29) 2,2-Dichloropropane	3.836	77	102466	44.61 ug/l	94
30) 1,4-Dioxane	5.048	88	24478	2770.69 ug/l	80
31) 1,1-Dichloropropene	4.299	75	129446	43.18 ug/l	96
32) Chloroform	4.053	83	152108	46.63 ug/l	97
34) Cyclohexane	4.250	56	178118	47.03 ug/l	87
36) 1,2-Dichloroethane	4.437	62	116555	44.61 ug/l	96
37) 2-Butanone	3.826	43	28366	53.48 ug/l	95
38) 1,1,1-Trichloroethane	4.191	97	122220	45.22 ug/l	100
39) Carbon Tetrachloride	4.309	117	106946	44.40 ug/l	93
40) Vinyl Acetate	3.412	43	239535	43.56 ug/l	100
41) Bromodichloromethane	5.127	83	114384	43.50 ug/l	96
42) Methylcyclohexane	4.970	83	157331	47.11 ug/l	81
43) Dibromomethane	5.039	174	49727	43.03 ug/l	95
44) 1,2-Dichloropropane	4.970	63	92922	46.83 ug/l	91
45) Trichloroethene	4.832	130	89035	43.95 ug/l	90
46) Benzene	4.437	78	311299	53.71 ug/l	100
47) tert-Amyl methyl ether	4.497	73	92639	41.72 ug/l	80
49) Dibromochloromethane	6.083	129	71956	40.60 ug/l	93
50) 2-Chloroethylvinylether	5.295	63	37824	45.45 ug/l	91
51) cis-1,3-Dichloropropene	5.393	75	118086	40.05 ug/l	96
52) trans-1,3-Dichloropropene	5.719	75	95364	40.21 ug/l	95
53) 1,1,2-Trichloroethane	5.837	97	57083	43.98 ug/l	95
54) 1,2-Dibromoethane	6.162	107	59553	44.31 ug/l	92
55) 1,3-Dichloropropane	5.936	76	114053	44.73 ug/l	98
56) 4-Methyl-2-Pentanone	5.472	43	59813	47.51 ug/l	99
57) 2-Hexanone	5.965	43	41248	48.59 ug/l	98
58) Tetrachloroethene	5.945	164	84451	38.02 ug/l	99
60) Toluene	5.610	92	210187	49.49 ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.497	133	74279	41.52 ug/l	96
62) Chlorobenzene	6.458	112	217211	39.61 ug/l	99
64) Bromoform	6.951	173	45845	40.04 ug/l	98
65) Ethylbenzene	6.507	106	97716	44.66 ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.197	83	57469	40.87 ug/l	88
68) Styrene	6.823	104	227941	44.81 ug/l	94
69) m&p-Xylenes	6.576	106	286801	86.43 ug/l	93

WP

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54987.D
Acq On : 03/11/10 11:19

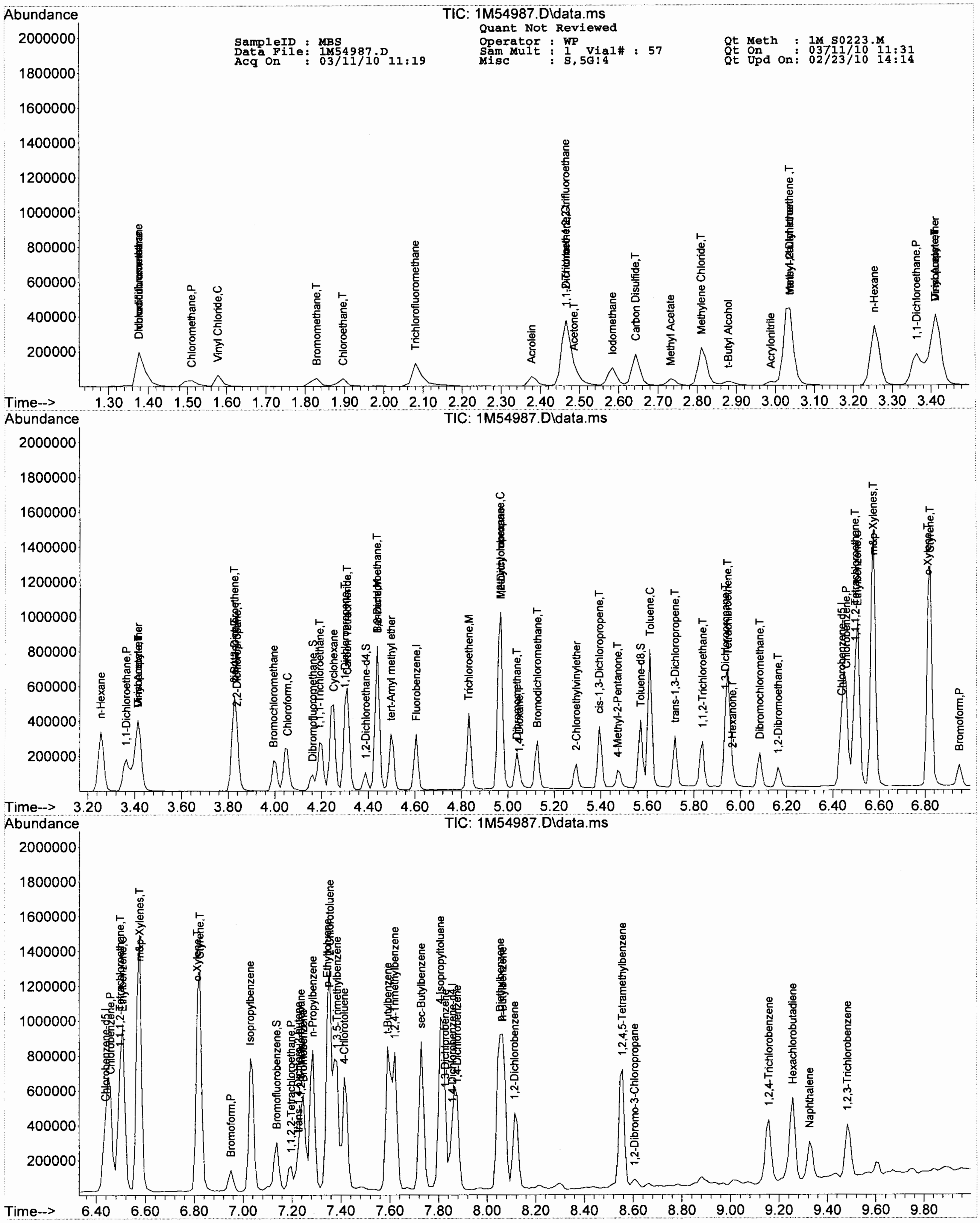
Operator : WP
Sam Mult : 1 Vial# : 57
Misc : S,5G!4

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 11:31
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.813	106	138994	44.24	ug/l	80
71)	trans-1,4-Dichloro-2-b...	7.227	53	26259	46.78	ug/l	63
72)	1,3-Dichlorobenzene	7.828	146	164076	38.43	ug/l	90
73)	1,4-Dichlorobenzene	7.877	146	166363	39.97	ug/l	94
74)	1,2-Dichlorobenzene	8.114	146	140596	38.53	ug/l	89
75)	Isopropylbenzene	7.030	105	383104	44.86	ug/l	98
77)	1,2,3-Trichloropropane	7.236	75	81191	43.38	ug/l	95
78)	2-Chlorotoluene	7.355	91	254928	49.54	ug/l	95
79)	p-Ethyltoluene	7.345	105	386038	39.10	ug/l	92
80)	4-Chlorotoluene	7.414	91	224418	42.27	ug/l	93
81)	n-Propylbenzene	7.286	91	489911	45.83	ug/l	99
82)	Bromobenzene	7.246	77	226981	44.26	ug/l	84
83)	1,3,5-Trimethylbenzene	7.384	105	314603	41.73	ug/l	46
84)	t-Butylbenzene	7.591	119	315613	44.92	ug/l	88
85)	1,2,4-Trimethylbenzene	7.621	105	334224	45.34	ug/l	95
86)	sec-Butylbenzene	7.729	105	424354	46.17	ug/l	97
87)	4-Isopropyltoluene	7.808	119	336053	43.68	ug/l	94
88)	n-Butylbenzene	8.064	91	417239	44.06	ug/l	97
89)	p-Diethylbenzene	8.055	119	203292	41.64	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.557	119	318947	44.28	ug/l	99
91)	1,2-Dibromo-3-Chloropr...	8.606	157	10749	38.43	ug/l	87
92)	Hexachlorobutadiene	9.257	225	100539	38.08	ug/l	98
93)	1,2,4-Trichlorobenzene	9.158	180	103782	36.07	ug/l	97
94)	1,2,3-Trichlorobenzene	9.484	180	87819	33.17	ug/l	96
95)	Naphthalene	9.326	128	145542	39.76	ug/l	100

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



Abundance
TIC: 1M54987.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M54987.D
Acq On : 03/11/10 11:19
Operator : WP
Sam Mult : 1 Vial# : 57
Misc : S,5G!4
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 11:31
Qt Upd On: 02/23/10 14:14
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-->
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
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
Isopropylbenzene
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	Operator : WP	Qt Meth : 1M_S0223.M
Data File: 1M55005.D	Sam Mult : 1 Vial# : 68	Qt On : 03/11/10 16:29
Acq On : 03/11/10 16:10	Misc : S,5G!4	Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.606	96	166119	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.439	117	132784	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	76763	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.152	111	47184	31.54	ug/l	-0.02
Spiked Amount 30.000			Recovery =	105.13%		
35) 1,2-Dichloroethane-d4	4.389	102	9031	33.30	ug/l	0.00
Spiked Amount 30.000			Recovery =	111.00%		
59) Toluene-d8	5.562	100	113787	28.55	ug/l	-0.02
Spiked Amount 30.000			Recovery =	95.17%		
67) Bromofluorobenzene	7.139	174	65183	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.47%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.379	51	222247	67.04	ug/l	1
6) Dichlorodifluoromethane	1.379	85	24360	12.57	ug/l	95
7) Chloromethane	1.497	50	61759	26.83	ug/l	100
8) Bromomethane	1.815	94	27505	30.89	ug/l	93
9) Vinyl Chloride	1.580	62	51713	33.12	ug/l	99
10) Chloroethane	1.882	64	32025	35.58	ug/l	99
11) Trichlorofluoromethane	2.083	101	134013	39.67	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.467	101	73754	42.41	ug/l	94
13) Methylene Chloride	2.812	84	75510	37.98	ug/l	98
14) Acrolein	2.378	56	35125	181.82	ug/l	94
15) Acrylonitrile	2.989	53	19079	43.68	ug/l	91
16) Iodomethane	2.585	142	101779	36.09	ug/l	71
17) Acetone	2.487	43	73021	218.05	ug/l	92
18) Carbon Disulfide	2.645	76	203258	38.77	ug/l	100
19) t-Butyl Alcohol	2.881	59	11558	242.28	ug/l	97
20) n-Hexane	3.256	57	114725	40.16	ug/l	88
21) Di-isopropyl-ether	3.413	45	295370	41.87	ug/l	91
22) 1,1-Dichloroethene	2.467	61	123273	31.63	ug/l	93
23) Methyl Acetate	2.733	43	42577	42.24	ug/l	100
24) Methyl-t-butyl ether	3.029	73	110797	42.06	ug/l	70
25) 1,1-Dichloroethane	3.354	63	165441	39.63	ug/l	99
26) trans-1,2-Dichloroethene	3.029	96	78759	41.27	ug/l	87
27) cis-1,2-Dichloroethene	3.817	61	161087	40.61	ug/l	88
28) Bromochloromethane	3.995	49	73691	38.50	ug/l	78
29) 2,2-Dichloropropane	3.827	77	105759	41.18	ug/l	93
30) 1,4-Dioxane	5.039	88	25598	2591.25	ug/l	75
31) 1,1-Dichloropropene	4.300	75	135454	40.41	ug/l	95
32) Chloroform	4.044	83	161526	44.28	ug/l	99
34) Cyclohexane	4.241	56	183121	43.24	ug/l	89
36) 1,2-Dichloroethane	4.428	62	125621	43.00	ug/l	100
37) 2-Butanone	3.817	43	25916	43.70	ug/l	96
38) 1,1,1-Trichloroethane	4.192	97	134197	44.40	ug/l	98
39) Carbon Tetrachloride	4.310	117	120830	44.86	ug/l	90
40) Vinyl Acetate	3.413	43	236877	38.53	ug/l	100
41) Bromodichloromethane	5.118	83	125783	42.78	ug/l	98
42) Methylcyclohexane	4.961	83	167016	44.72	ug/l	79
43) Dibromomethane	5.039	174	54884	42.48	ug/l	93
44) 1,2-Dichloropropane	4.961	63	95512	43.05	ug/l	89
45) Trichloroethene	4.833	130	94153	41.57	ug/l	94
46) Benzene	4.438	78	328455	50.68	ug/l	100
47) tert-Amyl methyl ether	4.497	73	91851	36.99	ug/l	77
49) Dibromochloromethane	6.084	129	79263	40.85	ug/l	100
50) 2-Chloroethylvinylether	5.286	63	33724	37.01	ug/l	86
51) cis-1,3-Dichloropropene	5.394	75	126150	39.07	ug/l	93
52) trans-1,3-Dichloropropene	5.720	75	101679	39.16	ug/l	100
53) 1,1,2-Trichloroethane	5.828	97	60097	42.29	ug/l	92
54) 1,2-Dibromoethane	6.163	107	59343	40.33	ug/l	95
55) 1,3-Dichloropropane	5.936	76	113121	40.52	ug/l	97
56) 4-Methyl-2-Pentanone	5.473	43	54660	39.66	ug/l	98
57) 2-Hexanone	5.966	43	36541	39.31	ug/l	96
58) Tetrachloroethene	5.946	164	88998	36.60	ug/l	99
60) Toluene	5.611	92	223426	48.04	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.488	133	79834	40.75	ug/l	99
62) Chlorobenzene	6.449	112	227909	37.96	ug/l	100
64) Bromoform	6.952	173	47999	36.13	ug/l	93
65) Ethylbenzene	6.508	106	98760	38.90	ug/l	97
66) 1,1,2,2-Tetrachloroethane	7.188	83	60757	37.24	ug/l	89
68) Styrene	6.814	104	234927	39.80	ug/l	82
69) m&p-Xylenes M	6.567	106	307646	79.90	ug/l	93

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M55005.D
Acq On : 03/11/10 16:10

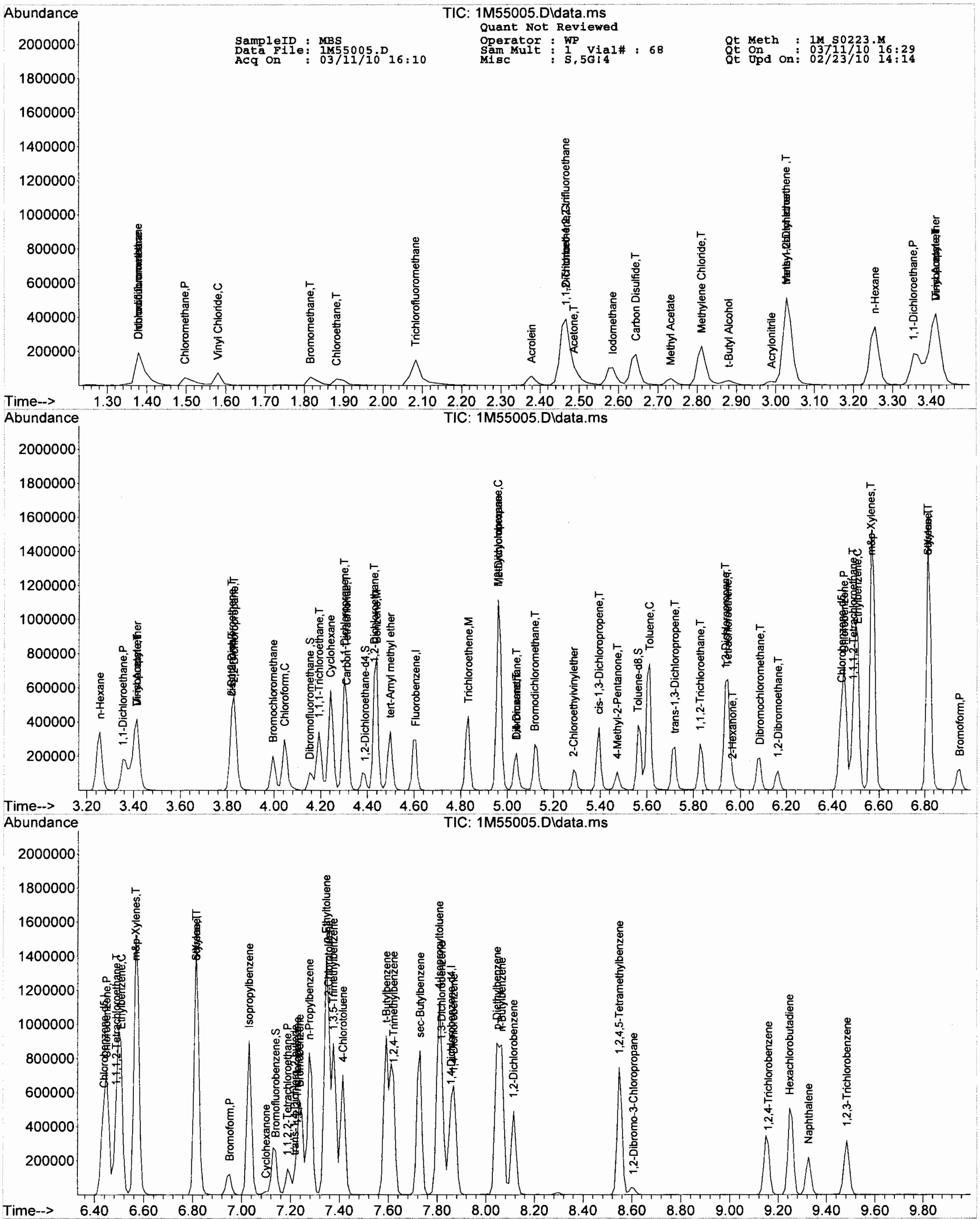
Operator : WP
Sam Mult : 1 Vial# : 68
Misc : S,5G!4

Qt Meth : 1M_S0223.M
Qt On : 03/11/10 16:29
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-11-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.814	106	151309	41.51 ug/l	82
71) trans-1,4-Dichloro-2-b...	7.218	53	26751	41.07 ug/l	66
72) 1,3-Dichlorobenzene	7.819	146	176867	35.70 ug/l	93
73) 1,4-Dichlorobenzene	7.868	146	167588	34.70 ug/l	92
74) 1,2-Dichlorobenzene	8.114	146	152763	36.08 ug/l	92
75) Isopropylbenzene	7.030	105	404647	40.84 ug/l	98
76) Cyclohexanone	7.099	55	8790	181.19 ug/l	93
77) 1,2,3-Trichloropropane	7.227	75	84923	39.11 ug/l	94
78) 2-Chlorotoluene	7.356	91	236928	39.27 ug/l	97
79) p-Ethyltoluene	7.346	105	441120	38.51 ug/l	96
80) 4-Chlorotoluene	7.415	91	244288	39.65 ug/l	96
81) n-Propylbenzene	7.277	91	513079	41.37 ug/l	99
82) Bromobenzene	7.237	77	227960	38.31 ug/l	87
83) 1,3,5-Trimethylbenzene	7.375	105	298604	34.14 ug/l	99
84) t-Butylbenzene	7.592	119	343387	42.12 ug/l	89
85) 1,2,4-Trimethylbenzene	7.622	105	353563	41.34 ug/l	95
86) sec-Butylbenzene	7.730	105	454764	42.64 ug/l	98
87) 4-Isopropyltoluene	7.809	119	347084	38.88 ug/l	93
88) n-Butylbenzene	8.065	91	429346	39.07 ug/l	98
89) p-Diethylbenzene	8.045	119	204875	36.17 ug/l	97
90) 1,2,4,5-Tetramethylben...	8.548	119	322298	38.57 ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.607	157	10580	32.60 ug/l	86
92) Hexachlorobutadiene	9.248	225	107894	35.23 ug/l	98
93) 1,2,4-Trichlorobenzene	9.159	180	101111	30.29 ug/l	98
94) 1,2,3-Trichlorobenzene	9.484	180	90191	29.36 ug/l	97
95) Naphthalene	9.327	128	138116	32.52 ug/l	100

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


TIC: 1M55005.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M55005.D
Acq On : 03/11/10 16:10
Operator : WP
Sam Mult : 1 Vial# : 68
Misc : S,5G14
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 16:29
Qt Upd On: 02/23/10 14:14
Abundance
Time-->

FORM 3

Spike Recovery

Batch Number: MBS15244
Mbs Name: MBS15244
Ns Name: AC50199-005
Ms Name: AC50199-005(MS)
Msd Name: AC50199-005(MSD

Mbs File: 1M54957.D
Non Spk'd File: 1M54943.D
Spike File: 1M54964.D
Spike Dup File: 1M54965.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 03/10/10 16:27
Non Spk'd Date: 03/10/10 12:21
Spike Date : 03/10/10 18:20
Spike Dup Date: 03/10/10 18:36

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	9	1	0	50	6	117	53	28.37	0.00	18.76	23.75	57	38	47	23
1,1-Dichloroethene	22	1	0	50	8	114	53	23.67	0.00	19.67	20.63	47	39	41	4.8
1,1-Dichloroethane	25	1	0	50	14	127	44	29.82	0.00	27.00	27.89	60	54	56	3.2
Chloroform	32	1	0	50	26	119	39	32.80	0.00	28.61	29.30	66	57	59	2.4
1,2-Dichloroethane	36	1	0	50	18	130	37	32.49	0.00	26.76	26.50	65	54	53	0.98
2-Butanone	37	1	0	50	4	141	59	33.66	0.00	31.22	37.53	67	62	75	18
Carbon Tetrachloride	39	1	0	50	19	122	40	32.45	0.00	28.27	30.00	65	57	60	5.9
Trichloroethene	45	1	0	50	21	116	39	30.02	0.00	22.31	23.61	60	45	47	5.7
Benzene	46	1	0	50	21	122	38	38.40	0.00	31.73	33.25	77	63	67	4.7
Tetrachloroethene	58	1	0	50	18	116	37	28.31	0.00	19.91	21.97	57	40	44	9.8
Toluene	60	1	0	50	19	128	35	37.34	0.00	28.40	29.51	75	57	59	3.8
Chlorobenzene	62	1	0	50	21	117	37	30.86	0.00	19.52	20.63	62	39	41	5.5
1,4-Dichlorobenzene	73	1	0	50	20	110	41	29.23	0.00	13.65	15.39	58	27	31	12
1,2-Dichlorobenzene	74	1	0	50	19	113	42	30.27	0.00	14.84	16.05	61	30	32	7.8
n-Propylbenzene	81	1	0	50	16	122	42	32.44	0.00	18.98	21.58	65	38	43	13
sec-Butylbenzene	86	1	0	50	9	125	48	33.21	0.00	17.29	20.89	66	35	42	19

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	Operator : WP	Qt Meth : 1M_S0223.M
Data File: 1M54957.D	Sam Mult : 1 Vial# : 74	Qt On : 03/10/10 16:42
Acq On : 03/10/10 16:27	Misc : S,5G	Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	178804	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.438	117	136786	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	78074	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.152	111	51422	31.94	ug/l	-0.02
Spiked Amount 30.000			Recovery =	106.47%		
35) 1,2-Dichloroethane-d4	4.388	102	9808	33.60	ug/l	0.00
Spiked Amount 30.000			Recovery =	112.00%		
59) Toluene-d8	5.571	100	120702	29.40	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.00%		
67) Bromofluorobenzene	7.138	174	66758	28.84	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.13%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Chlorodifluoromethane	1.377	51	189616	53.14	ug/l	1
6) Dichlorodifluoromethane	1.377	85	28551	13.69	ug/l	99
7) Chloromethane	1.494	50	61285	24.74	ug/l	98
8) Bromomethane	1.813	94	23939	24.98	ug/l	100
9) Vinyl Chloride	1.578	62	47679	28.37	ug/l	95
10) Chloroethane	1.880	64	25964	26.80	ug/l	94
11) Trichlorofluoromethane	2.081	101	113987	31.35	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	60680	32.42	ug/l	94
13) Methylene Chloride	2.811	84	60391	28.22	ug/l	93
14) Acrolein	2.377	56	29704	142.85	ug/l	90
15) Acrylonitrile	2.989	53	15309	32.56	ug/l	98
16) Iodomethane	2.575	142	85710	28.23	ug/l	69
17) Acetone	2.486	43	61574	159.98	ug/l	94
18) Carbon Disulfide	2.644	76	173588	30.76	ug/l	100
19) t-Butyl Alcohol	2.880	59	8755	170.51	ug/l	84
20) n-Hexane	3.255	57	103278	33.59	ug/l	87
21) Di-isopropyl-ether	3.412	45	247669	32.62	ug/l	91
22) 1,1-Dichloroethene	2.466	61	99306	23.67	ug/l	97
23) Methyl Acetate	2.732	43	34247	31.56	ug/l	100
24) Methyl-t-butyl ether	3.028	73	96144	33.91	ug/l	72
25) 1,1-Dichloroethane	3.353	63	133987	29.82	ug/l	97
26) trans-1,2-Dichloroethene	3.028	96	62329	30.35	ug/l	81
27) cis-1,2-Dichloroethene	3.816	61	131268	30.75	ug/l	91
28) Bromochloromethane	3.994	49	62735	30.45	ug/l	75
29) 2,2-Dichloropropane	3.826	77	86486	31.28	ug/l	91
30) 1,4-Dioxane	5.039	88	23014	2164.40	ug/l	77
31) 1,1-Dichloropropene	4.299	75	110176	30.54	ug/l	98
32) Chloroform	4.043	83	128775	32.80	ug/l	97
34) Cyclohexane	4.240	56	151878	33.32	ug/l	89
36) 1,2-Dichloroethane	4.428	62	102166	32.49	ug/l	98
37) 2-Butanone	3.816	43	21486	33.66	ug/l	87
38) 1,1,1-Trichloroethane	4.191	97	103988	31.96	ug/l	98
39) Carbon Tetrachloride	4.309	117	94071	32.45	ug/l	90
40) Vinyl Acetate	3.412	43	202652	30.62	ug/l	100
41) Bromodichloromethane	5.117	83	97379	30.77	ug/l	95
42) Methylcyclohexane	4.960	83	131119	32.62	ug/l	81
43) Dibromomethane	5.039	174	42704	30.71	ug/l	95
44) 1,2-Dichloropropane	4.960	63	76346	31.97	ug/l	88
45) Trichloroethene	4.832	130	73188	30.02	ug/l	93
46) Benzene	4.437	78	267878	38.40	ug/l	100
47) tert-Amyl methyl ether	4.497	73	84117	31.47	ug/l	86
49) Dibromochloromethane	6.083	129	65374	32.70	ug/l	98
50) 2-Chloroethylvinylether	5.295	63	29025	30.92	ug/l	92
51) cis-1,3-Dichloropropene	5.393	75	102142	30.71	ug/l	95
52) trans-1,3-Dichloropropene	5.719	75	82805	30.95	ug/l	97
53) 1,1,2-Trichloroethane	5.827	97	48749	33.30	ug/l	90
54) 1,2-Dibromoethane	6.162	107	47237	31.16	ug/l	91
55) 1,3-Dichloropropane	5.935	76	92600	32.20	ug/l	95
56) 4-Methyl-2-Pentanone	5.472	43	45868	32.30	ug/l	99
57) 2-Hexanone	5.965	43	31262	32.65	ug/l	96
58) Tetrachloroethene	5.945	164	70927	28.31	ug/l	95
60) Toluene	5.610	92	178900	37.34	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.487	133	66155	32.78	ug/l	91
62) Chlorobenzene	6.448	112	190822	30.86	ug/l	99
64) Bromoform	6.951	173	38954	28.83	ug/l	97
65) Ethylbenzene	6.507	106	81048	31.39	ug/l	95
66) 1,1,2,2-Tetrachloroethane	7.187	83	48552	29.26	ug/l	88
68) Styrene	6.822	104	189598	31.58	ug/l	96
69) m&p-Xylenes	6.576	106	236633	60.43	ug/l	94

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M54957.D
Acq On : 03/10/10 16:27

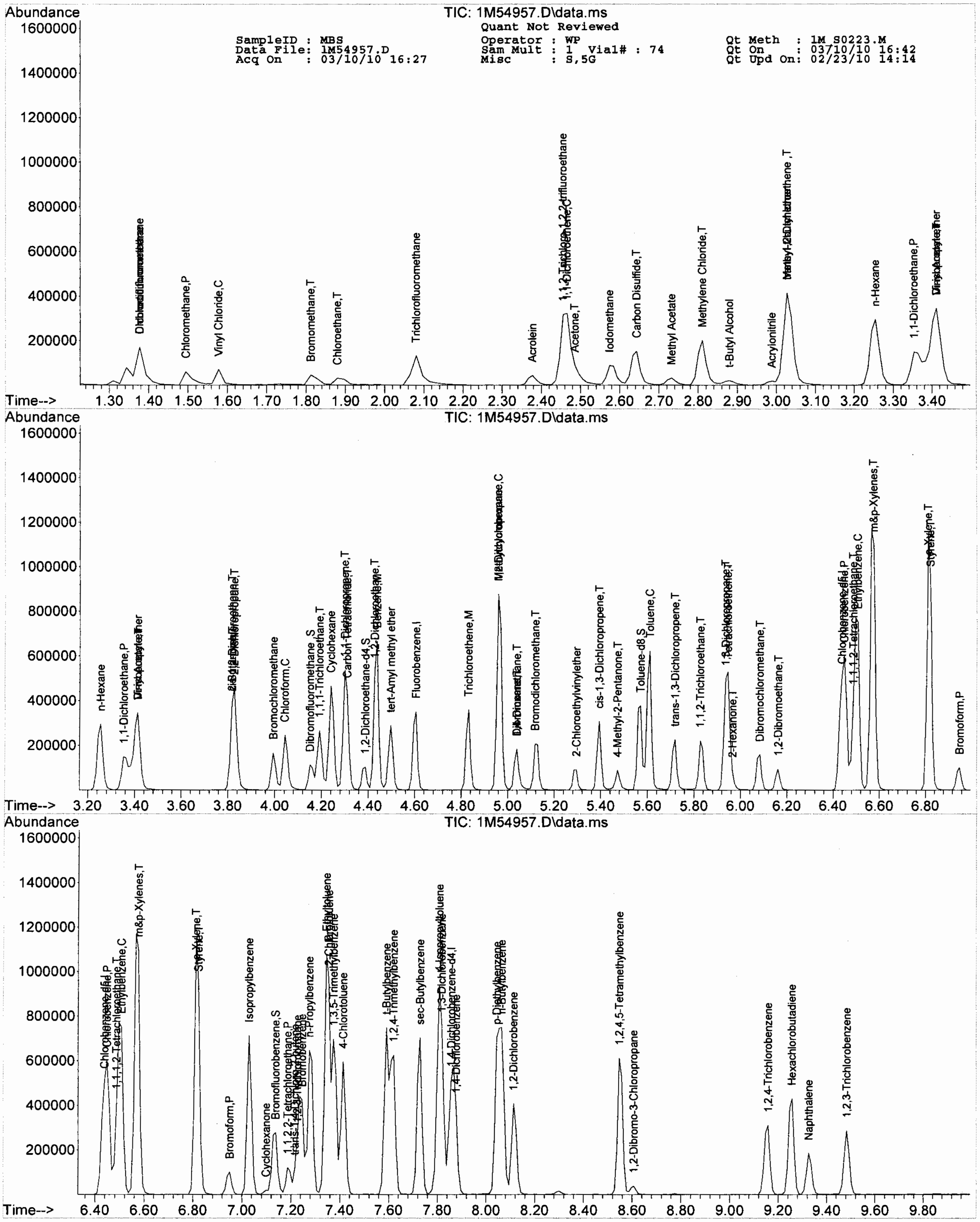
Operator : WP
Sam Mult : 1 Vial# : 74
Misc : S,5G

Qt Meth : 1M_S0223.M
Qt On : 03/10/10 16:42
Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.813	106	120162	32.41	ug/l	80
71)	trans-1,4-Dichloro-2-b...	7.217	53	21763	32.85	ug/l	65
72)	1,3-Dichlorobenzene	7.818	146	149999	29.77	ug/l	91
73)	1,4-Dichlorobenzene	7.877	146	143550	29.23	ug/l	90
74)	1,2-Dichlorobenzene	8.114	146	130344	30.27	ug/l	93
75)	Isopropylbenzene	7.029	105	320117	31.76	ug/l	98
76)	Cyclohexanone	7.098	55	7272	147.38	ug/l	93
77)	1,2,3-Trichloropropane	7.227	75	68386	30.97	ug/l	93
78)	2-Chlorotoluene	7.355	91	210176	34.07	ug/l	98
79)	p-Ethyltoluene	7.345	105	341144	29.28	ug/l	95
80)	4-Chlorotoluene	7.414	91	207296	33.08	ug/l	95
81)	n-Propylbenzene	7.276	91	409171	32.44	ug/l	98
82)	Bromobenzene	7.246	77	196230	32.43	ug/l	84
83)	1,3,5-Trimethylbenzene	7.374	105	253562	28.50	ug/l	36
84)	t-Butylbenzene	7.591	119	275198	33.19	ug/l	90
85)	1,2,4-Trimethylbenzene	7.621	105	288692	33.19	ug/l	96
86)	sec-Butylbenzene	7.729	105	360179	33.21	ug/l	98
87)	4-Isopropyltoluene	7.808	119	286932	31.60	ug/l	93
88)	n-Butylbenzene	8.064	91	355704	31.83	ug/l	97
89)	p-Diethylbenzene	8.045	119	169724	29.46	ug/l	96
90)	1,2,4,5-Tetramethylben...	8.547	119	281802	33.16	ug/l	98
91)	1,2-Dibromo-3-Chloropr...	8.606	157	8298	25.14	ug/l	73
92)	Hexachlorobutadiene	9.257	225	91335	29.32	ug/l	98
93)	1,2,4-Trichlorobenzene	9.158	180	94214	27.75	ug/l	99
94)	1,2,3-Trichlorobenzene	9.484	180	80358	25.72	ug/l	96
95)	Naphthalene	9.326	128	120404	27.88	ug/l	100

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


Abundance
TIC: 1M54957.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M54957.D
Acq On : 03/10/10 16:27
Operator : WP
Sam Mult : 1 Vial# : 74
Misc : S,5G
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 16:42
Qt Upd On: 02/23/10 14:14
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-->
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,I
Dibromochloromethane,T
1,2-Dibromoethane,T
Ethylbenzene,C
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

Quantitation Report (QT Reviewed)

SampleID : AC50199-005 Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54943.D Sam Mult : 1 Vial# : 61 Qt On : 03/10/10 12:34
Acq On : 03/10/10 12:21 Misc : S,5G!7 Qt Upd On: 02/23/10 14:14

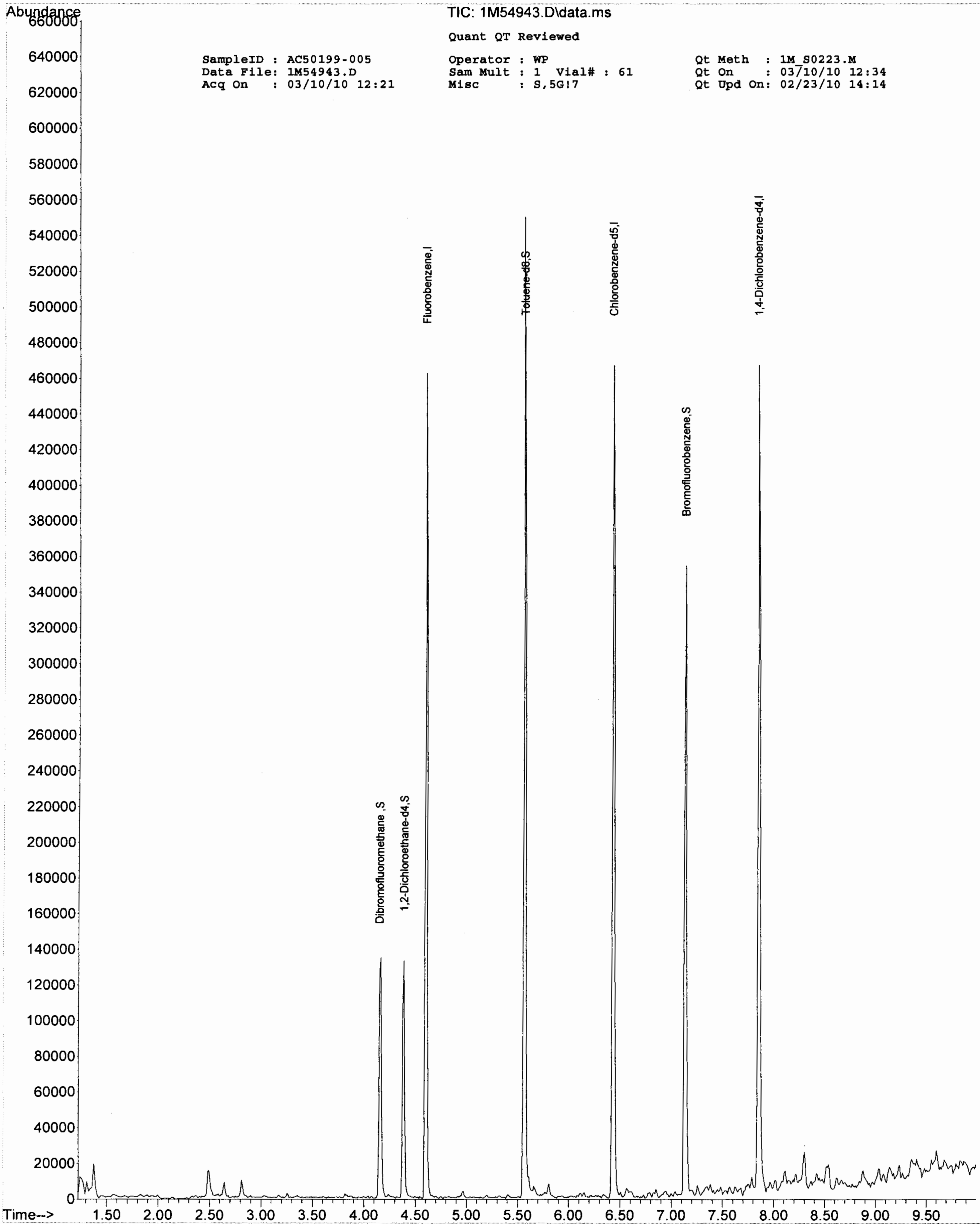
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	219262	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.438	117	184777	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	98355	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.151	111	62996	31.90	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	106.33%	
35) 1,2-Dichloroethane-d4	4.388	102	11335	31.67	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.57%	
59) Toluene-d8	5.571	100	152080	27.42	ug/l	0.00
Spiked Amount 30.000			Recovery	=	91.40%	
67) Bromofluorobenzene	7.138	174	81991	28.12	ug/l	0.00
Spiked Amount 30.000			Recovery	=	93.73%	

Target Compounds Qvalue

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

R



Abundance
TIC: 1M54943.D\data.ms
Quant QT Reviewed
SampleID : AC50199-005
Data File: 1M54943.D
Acq On : 03/10/10 12:21
Operator : WP
Sam Mult : 1 Vial# : 61
Misc : S,5G!7
Qt Meth : 1M_S0223.M
Qt On : 03/10/10 12:34
Qt Upd On: 02/23/10 14:14
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
1,4-Dichlorobenzene-d4,I
Bromofluorobenzene,S
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC50199-005(MS)　Operator : WP　Qt Meth : 1M_S0223.M
Data File: 1M54964.D　Sam Mult : 1 Vial# : 81　Qt On : 03/11/10 06:54
Acq On : 03/10/10 18:20　Misc : S,5G!5　Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	171577	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.439	117	131391	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.858	152	75858	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.152	111	47194	30.54 ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.80%	
35) 1,2-Dichloroethane-d4	4.379	102	8894	31.75 ug/l	-0.02
Spiked Amount 30.000			Recovery =	105.83%	
59) Toluene-d8	5.571	100	120081	30.45 ug/l	0.00
Spiked Amount 30.000			Recovery =	101.50%	
67) Bromofluorobenzene	7.138	174	65839	29.27 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.57%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
5) Chlorodifluoromethane	1.381	51	162722	47.52 ug/l	1
6) Dichlorodifluoromethane	1.364	85	23291	11.64 ug/l	98
7) Chloromethane	1.498	50	45422	19.11 ug/l	98
8) Bromomethane	1.816	94	19142	20.81 ug/l	95
9) Vinyl Chloride	1.582	62	30244	18.76 ug/l	98
10) Chloroethane	1.883	64	23397	25.17 ug/l	89
11) Trichlorofluoromethane	2.084	101	101527	29.10 ug/l	94
12) 1,1,2-Trichloro-1,2,2-...	2.457	101	52904	29.45 ug/l	96
13) Methylene Chloride	2.812	84	49402	24.06 ug/l	96
14) Acrolein	2.378	56	1032	5.17 ug/l	80
15) Acrylonitrile	2.989	53	12319	27.31 ug/l	97
16) Iodomethane	2.575	142	59902	20.56 ug/l	73
17) Acetone	2.486	43	60591	165.33 ug/l	96
18) Carbon Disulfide	2.634	76	130807	24.16 ug/l	100
19) t-Butyl Alcohol	2.881	59	8920	181.04 ug/l	74
20) n-Hexane	3.255	57	59789	20.26 ug/l	86
21) Di-isopropyl-ether	3.413	45	216565	29.72 ug/l	94
22) 1,1-Dichloroethene	2.457	61	79165	19.67 ug/l	90
23) Methyl Acetate	2.733	43	32869	31.57 ug/l	100
24) Methyl-t-butyl ether	3.029	73	79004	29.04 ug/l	69
25) 1,1-Dichloroethane	3.354	63	116432	27.00 ug/l	94
26) trans-1,2-Dichloroethene	3.029	96	41206	20.91 ug/l	84
27) cis-1,2-Dichloroethene	3.817	61	94612	23.09 ug/l	90
28) Bromochloromethane	3.994	49	46190	23.36 ug/l	78
29) 2,2-Dichloropropane	3.827	77	70571	26.60 ug/l	92
30) 1,4-Dioxane	5.039	88	22698	2224.60 ug/l	71
31) 1,1-Dichloropropene	4.300	75	75800	21.89 ug/l	94
32) Chloroform	4.044	83	107769	28.61 ug/l	98
34) Cyclohexane	4.241	56	109556	25.05 ug/l	91
36) 1,2-Dichloroethane	4.428	62	80763	26.76 ug/l	100
37) 2-Butanone	3.817	43	19126	31.22 ug/l	89
38) 1,1,1-Trichloroethane	4.191	97	86862	27.82 ug/l	94
39) Carbon Tetrachloride	4.310	117	78637	28.27 ug/l	86
40) Vinyl Acetate	3.413	43	140307	22.09 ug/l	100
41) Bromodichloromethane	5.118	83	78871	25.97 ug/l	98
42) Methylcyclohexane	4.960	83	81195	21.05 ug/l	80
43) Dibromomethane	5.039	174	30525	22.87 ug/l	93
44) 1,2-Dichloropropane	4.960	63	63838	27.86 ug/l	91
45) Trichloroethene	4.832	130	52181	22.31 ug/l	97
46) Benzene	4.438	78	212400	31.73 ug/l	100
47) tert-Amyl methyl ether	4.497	73	64682	25.22 ug/l	77
49) Dibromochloromethane	6.084	129	45555	23.72 ug/l	95
50) 2-Chloroethylvinylether	5.285	63	17566	19.48 ug/l	84
51) cis-1,3-Dichloropropene	5.394	75	63195	19.78 ug/l	99
52) trans-1,3-Dichloropropene	5.719	75	44218	17.21 ug/l	95
53) 1,1,2-Trichloroethane	5.828	97	37894	26.95 ug/l	90
54) 1,2-Dibromoethane	6.163	107	31236	21.45 ug/l	95
55) 1,3-Dichloropropane	5.936	76	67782	24.54 ug/l	97
56) 4-Methyl-2-Pentanone	5.473	43	35790	26.24 ug/l	96
57) 2-Hexanone	5.966	43	22572	24.54 ug/l	95
58) Tetrachloroethene	5.946	164	47909	19.91 ug/l	99
60) Toluene	5.611	92	130671	28.40 ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.488	133	51315	26.47 ug/l	99
62) Chlorobenzene	6.448	112	115930	19.52 ug/l	95
64) Bromoform	6.951	173	24617	18.75 ug/l	96
65) Ethylbenzene	6.508	106	53848	21.46 ug/l	93
66) 1,1,2,2-Tetrachloroethane	7.188	83	34825	21.60 ug/l	83
68) Styrene	6.823	104	105831	18.14 ug/l	96
69) m&p-Xylenes	6.577	106	157176	41.31 ug/l	98

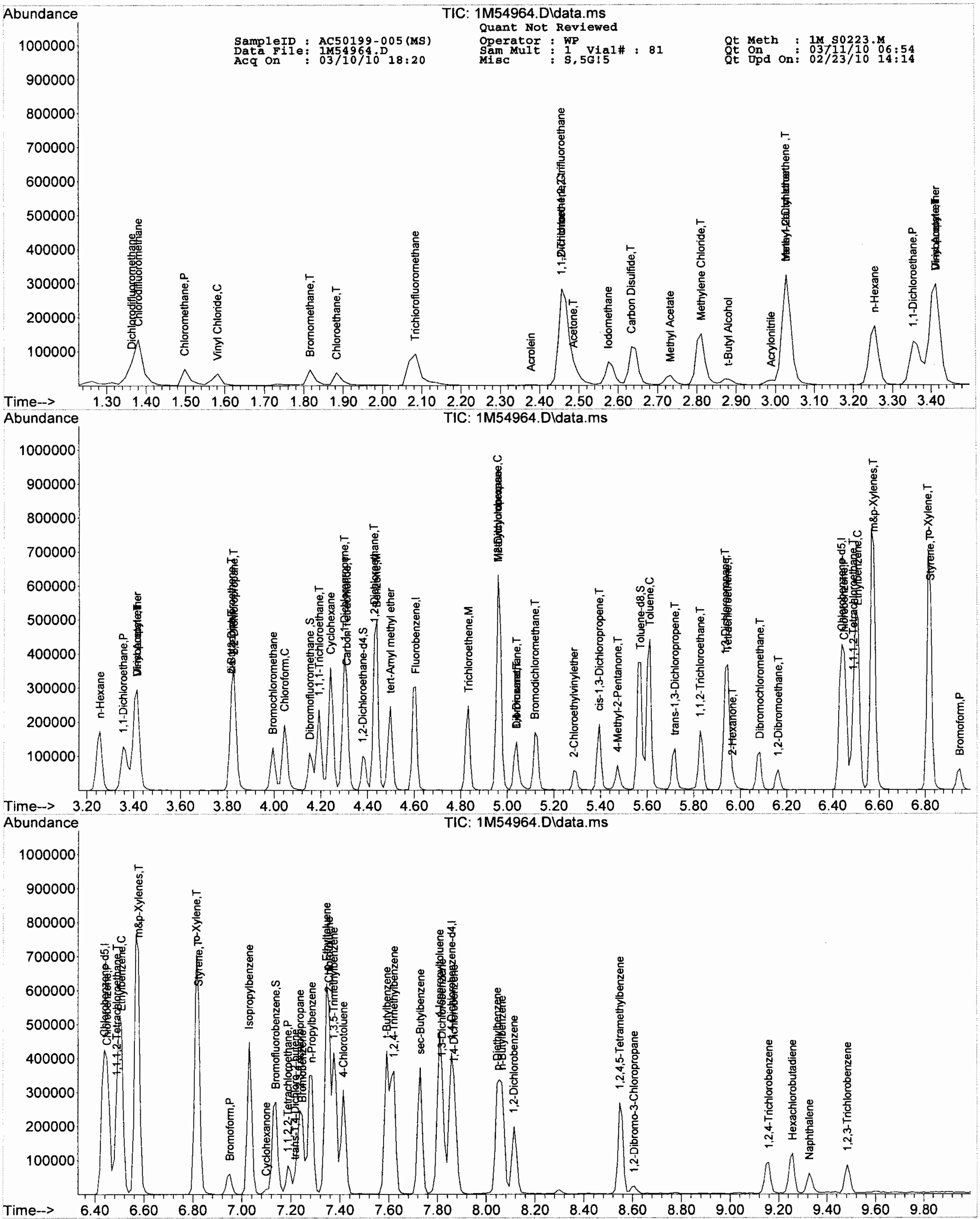
Quantitation Report (Not Reviewed)

SampleID : AC50199-005(MS)   Operator : WP   Qt Meth : 1M_S0223.M
Data File: 1M54964.D   Sam Mult : 1 Vial# : 81   Qt On : 03/11/10 06:54
Acq On : 03/10/10 18:20   Misc : S,5G!5   Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.813	106	83897	23.29 ug/l	81
71) trans-1,4-Dichloro-2-b...	7.217	53	10275	15.96 ug/l	89
72) 1,3-Dichlorobenzene	7.818	146	71204	14.54 ug/l	92
73) 1,4-Dichlorobenzene	7.868	146	65129	13.65 ug/l	88
74) 1,2-Dichlorobenzene	8.114	146	62107	14.84 ug/l	94
75) Isopropylbenzene	7.030	105	201879	20.62 ug/l	97
76) Cyclohexanone	7.099	55	6557	136.77 ug/l	89
77) 1,2,3-Trichloropropane	7.237	75	43180	20.12 ug/l	98
78) 2-Chlorotoluene	7.355	91	119728	19.69 ug/l	98
79) p-Ethyltoluene	7.345	105	199917	17.66 ug/l	94
80) 4-Chlorotoluene	7.414	91	106720	17.53 ug/l	94
81) n-Propylbenzene	7.286	91	232677	18.98 ug/l	98
82) Bromobenzene	7.247	77	106590	18.13 ug/l	85
83) 1,3,5-Trimethylbenzene	7.375	105	154151	17.83 ug/l	40
84) t-Butylbenzene	7.592	119	159240	19.77 ug/l	92
85) 1,2,4-Trimethylbenzene	7.621	105	165569	19.59 ug/l	96
86) sec-Butylbenzene	7.730	105	182174	17.29 ug/l	97
87) 4-Isopropyltoluene	7.809	119	146257	16.58 ug/l	93
88) n-Butylbenzene	8.065	91	151623	13.96 ug/l	98
89) p-Diethylbenzene	8.045	119	78145	13.96 ug/l	96
90) 1,2,4,5-Tetramethylben...	8.548	119	120404	14.58 ug/l	97
91) 1,2-Dibromo-3-Chloropr...	8.607	157	5085	15.85 ug/l	77
92) Hexachlorobutadiene	9.257	225	25018	8.27 ug/l	97
93) 1,2,4-Trichlorobenzene	9.159	180	28002	8.49 ug/l	97
94) 1,2,3-Trichlorobenzene	9.484	180	23716	7.81 ug/l	96
95) Naphthalene	9.326	128	39298	9.36 ug/l	100

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



TIC: 1M54964.D\data.ms
Quant Not Reviewed
SampleID : AC50199-005(MS)
Data File: 1M54964.D
Acq On : 03/10/10 18:20
Operator : WP
Sam Mult : 1 Vial# : 81
Misc : S,5G!5
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 06:54
Qt Upd On: 02/23/10 14:14
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
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
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 : AC50199-005(MSD) Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54965.D Sam Mult : 1 Vial# : 82 Qt On : 03/11/10 06:54
Acq On : 03/10/10 18:36 Misc : S,5G!6 Qt Upd On: 02/23/10 14:14

Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.605	96	171061	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.438	117	132543	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.857	152	75009	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.151	111	46367	30.10 ug/l	-0.02
Spiked Amount 30.000			Recovery =	100.33%	
35) 1,2-Dichloroethane-d4	4.388	102	8973	32.13 ug/l	0.00
Spiked Amount 30.000			Recovery =	107.10%	
59) Toluene-d8	5.571	100	117523	29.54 ug/l	0.00
Spiked Amount 30.000			Recovery =	98.47%	
67) Bromofluorobenzene	7.138	174	66146	29.74 ug/l	0.00
Spiked Amount 30.000			Recovery =	99.13%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.377	51	163256	47.82 ug/l	1
6) Dichlorodifluoromethane	1.377	85	23206	11.63 ug/l	92
7) Chloromethane	1.494	50	49794	21.01 ug/l	96
8) Bromomethane	1.812	94	18986	20.71 ug/l	97
9) Vinyl Chloride	1.578	62	38175	23.75 ug/l	98
10) Chloroethane	1.896	64	22653	24.44 ug/l	99
11) Trichlorofluoromethane	2.080	101	97666	28.07 ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.466	101	54678	30.53 ug/l	95
13) Methylene Chloride	2.811	84	51327	25.07 ug/l	97
14) Acrolein	2.377	56	1814	9.12 ug/l	78
15) Acrylonitrile	2.988	53	9540	21.21 ug/l	93
16) Iodomethane	2.575	142	63363	21.82 ug/l	71
17) Acetone	2.486	43	74113	214.19 ug/l	100
18) Carbon Disulfide	2.644	76	122184	22.63 ug/l	100
19) t-Butyl Alcohol	2.880	59	9507	193.53 ug/l	96
20) n-Hexane	3.255	57	64252	21.84 ug/l	88
21) Di-isopropyl-ether	3.412	45	223737	30.80 ug/l	91
22) 1,1-Dichloroethene	2.466	61	82813	20.63 ug/l	92
23) Methyl Acetate	2.732	43	33518	32.29 ug/l	100
24) Methyl-t-butyl ether	3.028	73	84877	31.29 ug/l	69
25) 1,1-Dichloroethane	3.353	63	119881	27.89 ug/l	97
26) trans-1,2-Dichloroethene	3.028	96	45575	23.19 ug/l	86
27) cis-1,2-Dichloroethene	3.816	61	97984	23.99 ug/l	89
28) Bromochloromethane	3.994	49	45483	23.07 ug/l	77
29) 2,2-Dichloropropane	3.826	77	73833	27.92 ug/l	93
30) 1,4-Dioxane	5.038	88	26600	2614.89 ug/l	69
31) 1,1-Dichloropropene	4.299	75	79170	22.94 ug/l	97
32) Chloroform	4.043	83	110069	29.30 ug/l	99
34) Cyclohexane	4.240	56	116597	26.74 ug/l	88
36) 1,2-Dichloroethane	4.437	62	79737	26.50 ug/l	99
37) 2-Butanone	3.816	43	22919	37.53 ug/l	90
38) 1,1,1-Trichloroethane	4.191	97	94079	30.23 ug/l	100
39) Carbon Tetrachloride	4.309	117	83219	30.00 ug/l	94
40) Vinyl Acetate	3.412	43	149720	23.65 ug/l	100
41) Bromodichloromethane	5.127	83	79755	26.34 ug/l	92
42) Methylcyclohexane	4.960	83	88236	22.95 ug/l	82
43) Dibromomethane	5.038	174	30052	22.59 ug/l	92
44) 1,2-Dichloropropane	4.960	63	65299	28.58 ug/l	95
45) Trichloroethene	4.832	130	55065	23.61 ug/l	93
46) Benzene	4.437	78	221920	33.25 ug/l	100
47) tert-Amyl methyl ether	4.496	73	70745	27.67 ug/l	79
49) Dibromochloromethane	6.083	129	46696	24.11 ug/l	98
50) 2-Chloroethylvinylether	5.295	63	17285	19.00 ug/l	93
51) cis-1,3-Dichloropropene	5.393	75	62732	19.47 ug/l	96
52) trans-1,3-Dichloropropene	5.719	75	43699	16.86 ug/l	97
53) 1,1,2-Trichloroethane	5.827	97	38138	26.89 ug/l	91
54) 1,2-Dibromoethane	6.162	107	30436	20.72 ug/l	90
55) 1,3-Dichloropropane	5.935	76	67380	24.18 ug/l	97
56) 4-Methyl-2-Pentanone	5.472	43	37953	27.58 ug/l	94
57) 2-Hexanone	5.965	43	24808	26.74 ug/l	90
58) Tetrachloroethene	5.945	164	53342	21.97 ug/l	99
60) Toluene	5.610	92	136983	29.51 ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.497	133	52543	26.87 ug/l	93
62) Chlorobenzene	6.458	112	123620	20.63 ug/l	99
64) Bromoform	6.950	173	24499	18.87 ug/l	91
65) Ethylbenzene	6.507	106	61352	24.73 ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.187	83	36665	23.00 ug/l	83
68) Styrene	6.822	104	116627	20.22 ug/l	94
69) m&p-Xylenes	6.576	106	175712	46.70 ug/l	99

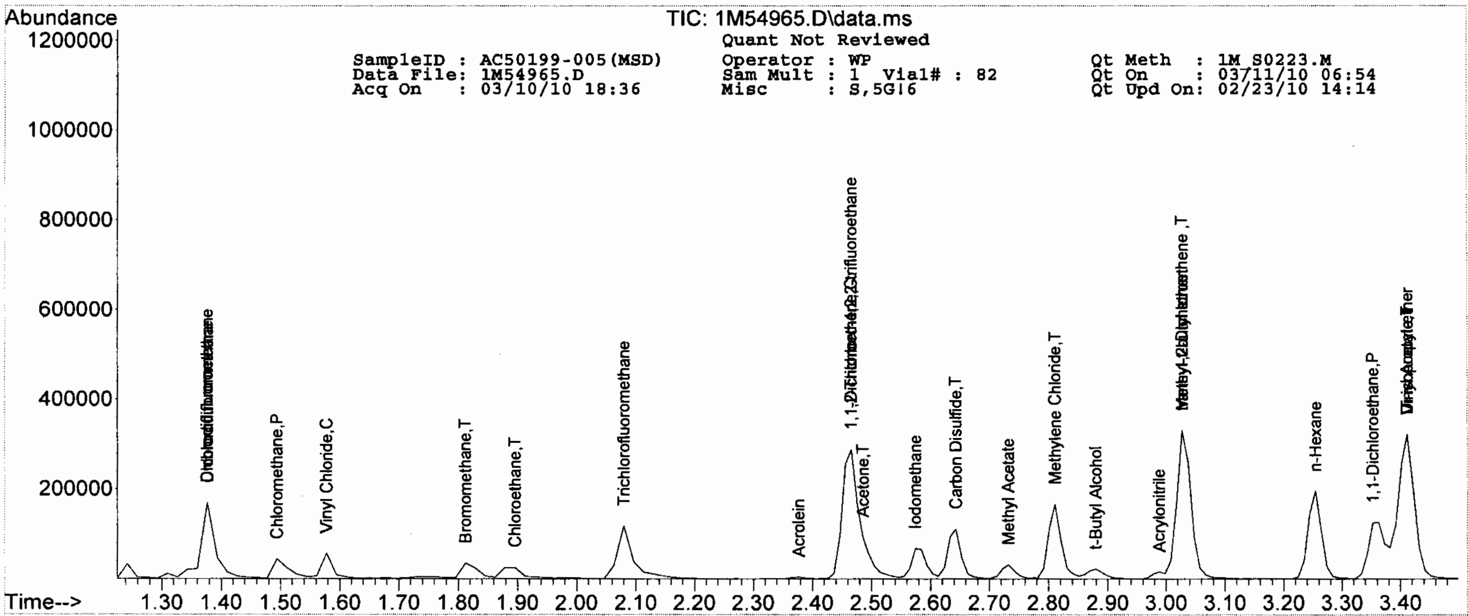
Quantitation Report (Not Reviewed)

SampleID : AC50199-005(MSD) Operator : WP Qt Meth : 1M_S0223.M
Data File: 1M54965.D Sam Mult : 1 Vial# : 82 Qt On : 03/11/10 06:54
Acq On : 03/10/10 18:36 Misc : S,5G!6 Qt Upd On: 02/23/10 14:14

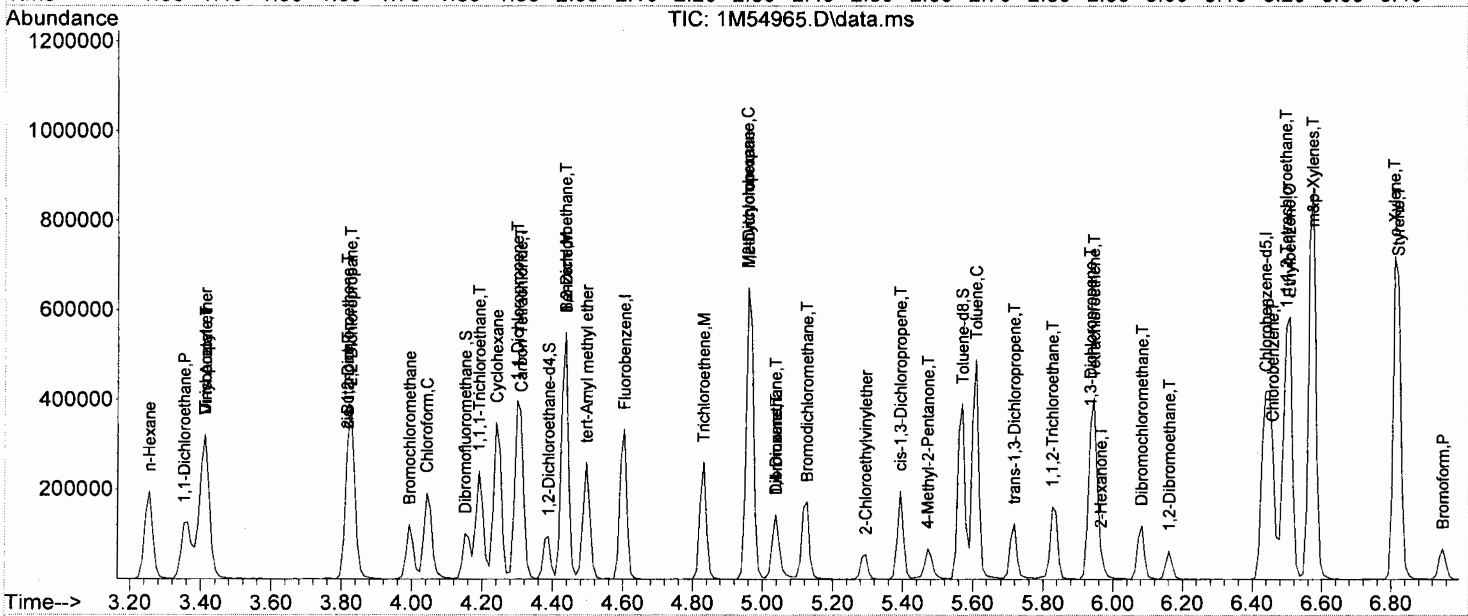
Data Path : G:\GcMsData\2010\GCMS_1\Data\03-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.813	106	90208	25.33	ug/l	81
71) trans-1,4-Dichloro-2-b...	7.217	53	9948	15.63	ug/l	74
72) 1,3-Dichlorobenzene	7.818	146	76457	15.79	ug/l	92
73) 1,4-Dichlorobenzene	7.877	146	72619	15.39	ug/l	91
74) 1,2-Dichlorobenzene	8.113	146	66390	16.05	ug/l	94
75) Isopropylbenzene	7.029	105	231953	23.96	ug/l	97
76) Cyclohexanone	7.098	55	9269	195.53	ug/l	81
77) 1,2,3-Trichloropropane	7.236	75	45961	21.66	ug/l	97
78) 2-Chlorotoluene	7.355	91	131392	21.90	ug/l	98
79) p-Ethyltoluene	7.345	105	216717	19.36	ug/l	95
80) 4-Chlorotoluene	7.414	91	113976	18.93	ug/l	94
81) n-Propylbenzene	7.286	91	261489	21.58	ug/l	97
82) Bromobenzene	7.246	77	113487	19.52	ug/l	84
83) 1,3,5-Trimethylbenzene	7.374	105	173987	20.35	ug/l	41
84) t-Butylbenzene	7.591	119	179297	22.51	ug/l	88
85) 1,2,4-Trimethylbenzene	7.621	105	186702	22.34	ug/l	96
86) sec-Butylbenzene	7.729	105	217687	20.89	ug/l	98
87) 4-Isopropyltoluene	7.808	119	169232	19.40	ug/l	92
88) n-Butylbenzene	8.064	91	180716	16.83	ug/l	98
89) p-Diethylbenzene	8.044	119	90922	16.43	ug/l	97
90) 1,2,4,5-Tetramethylben...	8.547	119	140451	17.20	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	8.606	157	4824	15.21	ug/l	60
92) Hexachlorobutadiene	9.257	225	33815	11.30	ug/l	99
93) 1,2,4-Trichlorobenzene	9.158	180	30975	9.50	ug/l	97
94) 1,2,3-Trichlorobenzene	9.483	180	26454	8.81	ug/l	96
95) Naphthalene	9.326	128	45453	10.95	ug/l	100

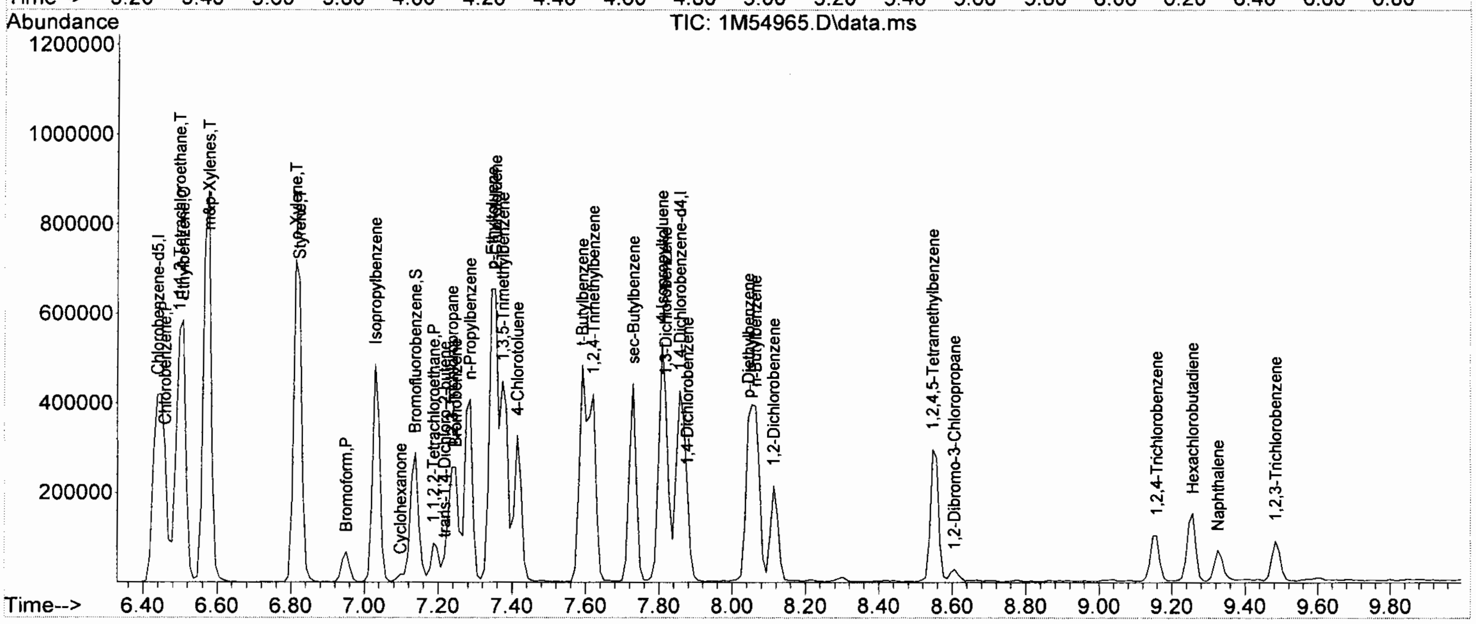
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Abundance
TIC: 1M54965.D\data.ms
Quant Not Reviewed
SampleID : AC50199-005(MSD)
Data File: 1M54965.D
Acq On : 03/10/10 18:36
Operator : WP
Sam Mult : 1 Vial# : 82
Misc : S,5G16
Qt Meth : 1M_S0223.M
Qt On : 03/11/10 06:54
Qt Upd On: 02/23/10 14:14
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: 1M54965.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
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,I
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Time-->



Abundance
TIC: 1M54965.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Cyclohexanone
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

GC/MS Volatile Data
Logbook Data

1-1-1M54441

RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M54441.	BFB TUNE		V-77129,V-77957, V-~~81313~~ V-81304 9/17/10	DB						02/23 10:38
1M54442.	50 PPB	CnSdAnc	-	DB		Soil	0.4	1	8260	02/23 10:47
1M54443.	BLK	CnSdAnc	-	DB		Soil	0.4	1	8260	02/23 11:04
1M54444.	CAL @ 500 PPB	Oc	B-7221	DB		Soil	1	1	624 8260	02/23 11:20
1M54445.	CAL @ 250 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 11:36
1M54446.	CAL @ 100 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 11:52
1M54447.	CAL @ 50 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 12:08
1M54448.	CAL @ 20 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 12:24
1M54449.	CAL @ 10 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 12:41
1M54450.	CAL @ 5 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 12:57
1M54451.	BLK	Is	-	DB		Soil	1	1	8260	02/23 13:13
1M54452.	CAL @ 0.5 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 13:29
1M54453.	CAL @ 1 PPB		B-7221	DB		Soil	1	1	624 8260	02/23 13:45
1M54454.	ICV	Sd	V-81613	DB		Soil	2.5	1	8260	02/23 14:09
1M54455.	STD	Sd	-	DB		Soil	2.5	1	8260	02/23 14:25
1M54456.	BLK		-	DB		Soil	1	1	8260	02/23 14:41
1M54457.	DAILY BLANK		OK	DB		Soil	1	1	8260	02/23 14:57
1M54458.	BLK		-	DB		Soil	1	1	8260	02/23 15:13
1M54459.	MBS15066		OK MBS15066	DB		Soil	1	1	8260	02/23 15:29
1M54460.	AC49929-002(MS)		OK MBS15066	DB	VO15-8260	Soil	1	1	8260	02/23 15:46
1M54461.	AC49929-002(MSD)		OK MBS15066	DB	VO15-8260	Soil	1	1	8260	02/23 16:02
1M54462.	BLK		-	DB		Soil	1	1	8260	02/23 16:18
1M54463.	AC49962-001		OK	DB	VO10-8260	Soil	1	1	8260	02/23 16:36
1M54464.	AC49962-002		OK	DB	VO10-8260	Soil	1	1	8260	02/23 16:52
1M54465.	AC49962-003		OK	DB	VO10-8260	Soil	1	1	8260	02/23 17:08
1M54466.	AC49962-004		OK	DB	VO10-8260	Soil	1	1	8260	02/23 17:24
1M54467.	AC49962-005		OK	DB	VO10-8260	Soil	1	1	8260	02/23 17:41
1M54468.	AC49962-006		OK	DB	VO10-8260	Soil	1	1	8260	02/23 17:57
1M54469.	AC49962-007		OK	DB	VO10-8260	Soil	1	1	8260	02/23 18:13
1M54470.	AC49961-001		OK	DB	VO10-8260	Soil	1	1	8260	02/23 18:29
1M54471.	AC49961-002		OK	DB	VO10-8260	Soil	1	1	8260	02/23 18:45
1M54472.	AC49961-003		OK	DB	VO10-8260	Soil	1	1	8260	02/23 19:01
1M54473.	AC49961-004		OK	DB	VO10-8260	Soil	1	1	8260	02/23 19:17
1M54474.	BLK		-	DB		Soil	1	1	8260	02/23 19:33
1M54475.	BLK		-	DB		Soil	1	1	8260	02/23 19:49

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	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
Eha	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/updates modcheckprepunda	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

1-1-1M54896

RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M54896.	BFB TUNE		V-77129,V-82415,V-77957, V-81927	DB						03/09 13:33
1M54897.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	03/09 13:49
1M54898.	BLK		-	DB		Soil	1	1	8260	03/09 14:11
1M54899.	DAILY BLANK		OK	DB		Soil	1	1	8260	03/09 14:27
1M54900.	MBS15228		OK MBS15228	DB		Soil	1	1	8260	03/09 14:43
1M54901.	BLK		-	DB		Soil	1	1	8260	03/09 15:00
1M54902.	AC50117-038		OK	DB	VO10-8260	Soil	1	1	8260	03/09 15:16
1M54903.	AC50117-037		OK	DB	VO10-8260	Soil	1	1	8260	03/09 15:32
1M54904.	AC50117-027		OK	DB	VO10-8260	Soil	1	1	8260	03/09 15:48
1M54905.	AC50117-044		OK	DB	VO10-8260	Soil	1	1	8260	03/09 16:04
1M54906.	AC50117-043	S8	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/09 16:20
1M54907.	AC50117-045		OK	DB	VO10-8260	Soil	1	1	8260	03/09 16:37
1M54908.	AC50117-042		OK	DB	VO10-8260	Soil	1	1	8260	03/09 16:53
1M54909.	AC50117-029		OK	DB	VO10-8260	Soil	1	1	8260	03/09 17:09
1M54910.	AC50133-003		OK	DB	VO10-8260	Soil	1	1	8260	03/09 17:25
1M54911.	AC50133-002	S8	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/09 17:42
1M54912.	AC50117-040	Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/09 17:58
1M54913.	AC50117-041	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/09 18:14
1M54914.	AC50199-002		OK	DB	VO10-8260	Soil	1	1	8260	03/09 18:30
1M54915.	AC50199-004		OK	DB	VO10-8260	Soil	1	1	8260	03/09 18:46
1M54916.	AC50199-005		RR-5g - TIC CO	DB	VO10-8260	Soil	1	1	8260	03/09 19:02
1M54917.	AC50199-006		RR-5g - TIC CO	DB	VO10-8260	Soil	1	1	8260	03/09 19:18
1M54918.	BLK		-	DB		Soil	1	1	8260	03/09 19:35
1M54919.	BLK		-	DB		Soil	1	1	8260	03/09 19:51
1M54920.	AC50217-001		OK MBS15228	DB	VO-8260	Soil	1	1	8260	03/09 20:07
1M54921.	AC50217-001(MS)		OK MBS15228	DB	VO-8260	Soil	1	1	8260	03/09 20:23
1M54922.	AC50217-001(MSD)		OK MBS15228	DB	VO-8260	Soil	1	1	8260	03/09 20:39

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	Eto	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	Evm	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R28	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hh	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.I28	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	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	M18.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
Emo	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

1-1-1M54924

Instrument: GCMS_1 Year: 2010
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M54924.	BFB TUNE		V-77129,V-82460,V-77957, V-81927	DB						03/10 06:41
1M54925.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	03/10 07:13
1M54926.	BLK		-	DB		Soil	1	1	8260	03/10 07:39
1M54927.	DAILY BLANK		OK	DB		Soil	1	1	8260	03/10 07:55
1M54928.	BLK		-	DB		Soil	1	1	8260	03/10 08:18
1M54929.	AC50117-043	Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	03/10 08:35
1M54930.	MBS15235		OK MBS15235	DB		Soil	1	1	8260	03/10 08:51
1M54931.	BLK		-	DB		Soil	1	1	8260	03/10 09:07
1M54932.	AC50229-001		OK	DB	VO10-8260	Soil	1	1	8260	03/10 09:24
1M54933.	BLK		-	DB		Soil	1	1	8260	03/10 09:40
1M54934.	AC50133-001		OK	DB	VO10-8260	Soil	1	1	8260	03/10 09:56
1M54935.	AC50117-042		OK	DB	VO10-8260	Soil	1	1	8260	03/10 10:12
1M54936.	AC50117-040		OK	DB	VO10-8260	Soil	1	1	8260	03/10 10:28
1M54937.	AC50117-041		OK	DB	VO10-8260	Soil	1	1	8260	03/10 10:45
1M54938.	AC50117-026	S8	2ND RUN	DB	VO10-8260	Soil	1	1	8260	03/10 11:01
1M54939.	AC50133-002		OK	DB	VO10-8260	Soil	1	1	8260	03/10 11:17
1M54940.	AC50117-046	S8	2ND RUN	DB	VO10-8260	Soil	1	1	8260	03/10 11:33
1M54941.	AC50117-036		OK	DB	VO10-8260	Soil	1	1	8260	03/10 11:49
1M54942.	AC50217-003		OK	DB	VO-8260	Soil	1	1	8260	03/10 12:05
1M54943.	AC50199-005		OK MBS15244	DB	VO10-8260	Soil	1	1	8260	03/10 12:21
1M54944.	AC50199-006		OK	DB	VO10-8260	Soil	1	1	8260	03/10 12:38
1M54945.	AC50199-001		OK	DB	VO10-8260	Soil	1	1	8260	03/10 12:54
1M54946.	AC50217-005		RR-5g	DB	VO-8260	Soil	1	1	8260	03/10 13:10
1M54947.	AC50199-007		OK	DB	VO10-8260	Soil	1	1	8260	03/10 13:26
1M54948.	AC50217-007		RR-5g	DB	VO-8260	Soil	1	1	8260	03/10 13:42
1M54949.	AC50199-003(5X)	S8	RR-1g	DB	VO10-8260	Soil	1	5	8260	03/10 13:58
1M54950.	AC50217-009		RR-5g	DB	VO-8260	Soil	1	1	8260	03/10 14:15
1M54951.	AC50217-011		OK	DB	VO-8260	Soil	1	1	8260	03/10 14:31
1M54952.	BLK	S8AoRo	-	DB		Soil	1	1	8260	03/10 14:43
1M54953.	MBS15242	S8	- MBS15242	DB		Soil	1	1	8260	03/10 14:53
1M54954.	MBS15243		- MBS15243	DB		Soil	1	1	8260	03/10 15:36
1M54955.	BLK					Soil	1	1	8260	03/10 15:55
1M54956.	BLK		OK	DB		Soil	1	1	8260	03/10 16:11
1M54957.	MBS15244		OK MBS15244	DB		Soil	1	1	8260	03/10 16:27
1M54958.	AC50217-017		OK	DB	VO-8260	Soil	1	1	8260	03/10 16:43
1M54959.	AC50217-019		OK	DB	VO-8260	Soil	1	1	8260	03/10 17:00
1M54960.	AC50217-021		OK	DB	VO-8260	Soil	1	1	8260	03/10 17:16
1M54961.	AC50217-023		OK	DB	VO-8260	Soil	1	1	8260	03/10 17:32
1M54962.	AC50217-025		OK	DB	VO-8260	Soil	1	1	8260	03/10 17:48
1M54963.	AC50217-013		OK	DB	VO-8260	Soil	1	1	8260	03/10 18:04
1M54964.	AC50199-005(MS)		OK MBS15244	DB	VO10-8260	Soil	1	1	8260	03/10 18:20
1M54965.	AC50199-005(MSD)		OK MBS15244	DB	VO10-8260	Soil	1	1	8260	03/10 18:36
1M54966.	AC50233-001	Ti8	RR-5g - within 12hr clk	DB	VO-8260	Soil	1	1	8260	03/10 18:52
1M54967.	BLK	Ti8	-	DB		Soil	1	1	8260	03/10 19:08
1M54968.	BLK	Ti8	-	DB		Soil	1	1	8260	03/10 19:24
1M54969.	BLK	Ti8	-	DB		Soil	1	1	8260	03/10 19:41
1M54970.	BLK	Ti8	-	DB		Soil	1	1	8260	03/10 19:57

Anc	Area Not Checked	Ep	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	Evm	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	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
Emo	Problem Checking Prep/rundates modcheckprepund…	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

1-1-1M54973

Instrument: GCMS_1 Year: 2010
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M54973.	BFB TUNE		V-77129,V-82508,V-77957, V-81927	DB						03/11 07:30
1M54974.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	03/11 07:40
1M54975.	BLK		-	DB		Soil	1	1	8260	03/11 08:00
1M54976.	DAILY BLANK		OK	DB		Soil	1	1	8260	03/11 08:16
1M54977.	MBS15251		OK MBS15251	DB		Soil	1	1	8260	03/11 08:37
1M54978.	AC50217-015		OK	DB	VO-8260	Soil	1	1	8260	03/11 08:53
1M54979.	AC50176-004		OK	DB	VO10-8260	Soil	1	1	8260	03/11 09:09
1M54980.	AC50176-003		OK	DB	VO10-8260	Soil	1	1	8260	03/11 09:26
1M54981.	AC50176-001		OK	DB	VO10-8260	Soil	1	1	8260	03/11 09:42
1M54982.	AC50165-007		OK	DB	VO10-8260	Soil	1	1	8260	03/11 09:58
1M54983.	AC50165-003		OK	DB	VO10-8260	Soil	1	1	8260	03/11 10:14
1M54984.	AC50165-009		OK	DB	VO10-8260	Soil	1	1	8260	03/11 10:30
1M54985.	AC50165-004	S8Ao	RR-5g - DIRTY	DB	VO10-8260	Soil	1	1	8260	03/11 10:46
1M54986.	AC50199-003(5X)	S8	-	DB	VO10-8260	Soil	1	5	8260	03/11 11:03
1M54987.	MBS15256		OK MBS15256	DB		Soil	1	1	8260	03/11 11:19
1M54988.	AC50199-003(5X)	S8	2ND RUN	DB	VO10-8260	Soil	1	5	8260	03/11 11:35
1M54989.	AC50217-023(MS)		OK MBS15256	DB	VO-8260	Soil	1	1	8260	03/11 11:51
1M54990.	AC50217-023(MSD)		OK MBS15256	DB	VO-8260	Soil	1	1	8260	03/11 12:07
1M54991.	AC50217-005		OK	DB	VO-8260	Soil	1	1	8260	03/11 12:23
1M54992.	AC50217-007		OK	DB	VO-8260	Soil	1	1	8260	03/11 12:40
1M54993.	AC50101-001		OK	DB	VO10-8260	Soil	1	1	8260	03/11 12:56
1M54994.	AC50101-004	S8	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/11 13:12
1M54995.	AC50146-001		OK	DB	VO15-8260	Soil	1	1	8260	03/11 13:28
1M54996.	AC50217-009		OK	DB	VO-8260	Soil	1	1	8260	03/11 13:44
1M54997.	BLK		-	DB		Soil	1	1	8260	03/11 14:00
1M54998.	AC50155-008		OK	DB	VO10-8260	Soil	1	1	8260	03/11 14:17
1M54999.	AC50155-007	S8	RR-5g	DB	VO10-8260	Soil	1	1	8260	03/11 14:33
1M55000.	AC50155-006		OK	DB	VO10-8260	Soil	1	1	8260	03/11 14:49
1M55001.	AC50155-005		OK	DB	VO10-8260	Soil	1	1	8260	03/11 15:05
1M55002.	AC50155-004		OK	DB	VO10-8260	Soil	1	1	8260	03/11 15:21
1M55003.	AC50155-003		OK	DB	VO10-8260	Soil	1	1	8260	03/11 15:37
1M55004.	AC50155-002		OK	DB	VO10-8260	Soil	1	1	8260	03/11 15:54
1M55005.	MBS15259		OK MBS15259	DB		Soil	1	1	8260	03/11 16:10
1M55006.	AC50217-025(MS)		OK MBS15259	DB	VO-8260	Soil	1	1	8260	03/11 16:26
1M55007.	AC50217-025(MSD)		OK MBS15259	DB	VO-8260	Soil	1	1	8260	03/11 16:42
1M55008.	BLK		-	DB		Soil	1	1	8260	03/11 16:58
1M55009.	AC50155-007	S8	2ND RUN	DB	VO10-8260	Soil	1	1	8260	03/11 17:14
1M55010.	AC50101-004		OK	DB	VO10-8260	Soil	1	1	8260	03/11 17:30
1M55011.	BLK		-	DB		Soil	1	1	8260	03/11 17:46
1M55012.	AC50165-004	S8AoOc	2ND RUN	DB	VO10-8260	Soil	1	1	8260	03/11 18:02
1M55013.	BLK		-	DB		Soil	1	1	8260	03/11 18:18
1M55014.	BLK		-	DB		Soil	1	1	8260	03/11 18:34
1M55015.	BLK		-	DB		Soil	1	1	8260	03/11 18:51
1M55016.	BLK		-	DB		Soil	1	1	8260	03/11 19:07

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	Evm	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) 800 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 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 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

Veritech Internally Prepared Standard Log

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
3661	Fluorobenzene	150 mg	NEAT	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
3741	Methanol	100 ml	neat neat	

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 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 Internally Prepared Standard Log

Veritech Lot Number: V-77957

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

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-80241

Prepared By:	Batelli, Daniel	Department: Organics	ApprovedBy: DAN
Description:	VOA ADD MIX	BatchNumber:	ApproveDate: 01/26/10
Prep Date:	1/25/2010	Concentration: 5000 ppm	Checked: Yes
Expiration Date:	12/31/2010	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
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-80242

Prepared By:	Batelli, Daniel	Department: Organics	ApprovedBy: DAN
Description:	VOA ADD MIX(2nd Source)	BatchNumber:	ApproveDate: 01/26/10
Prep Date:	1/25/2010	Concentration: 5000 ppm	Checked: Yes
Expiration Date:	12/31/2010	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
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-81304

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	MBS	BatchNumber:	ApproveDate: 02/19/10
Prep Date:	2/17/2010	Concentration: 100 ppm	Checked: Yes
Expiration Date:	5/13/2010	Final Volume: 1 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4616	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
4285	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4608	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4575	CUSTOM VOA MIX	50 ul	2000 ppm	various ppm
V-80242	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 Internally Prepared Standard Log

Veritech Lot Number: V-81926

Prepared By: Previlon, Wilner	Department: Organics	ApprovedBy: DAN	
Description: 200ppm VOA Working Std	BatchNumber:	ApproveDate: 03/02/10	
Prep Date: 3/2/2010	Concentration: VARIOUS pp	Checked: Yes	
Expiration Date: 5/4/2010	Final Volume: 1 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
1230	METHANOL	360 ul	NEAT	neat
4574	CUSTOM VOA MIX	100 ul	2000 ppm	various ppm
4599	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
4600	GASES	100 ul	2000 ppm	200 ppm
4515	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-65724	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm

Veritech Lot Number: V-81927

Prepared By: Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description: MBS	BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/2/2010	Concentration: 100 ppm	Checked: Yes
Expiration Date: 5/13/2010	Final Volume: 1 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4616	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
4285	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4608	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4575	CUSTOM VOA MIX	50 ul	2000 ppm	various ppm
V-80242	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-82415

Prepared By: Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description: CAL @ 50 PPB	BatchNumber:	ApproveDate: 03/10/10
Prep Date: 3/9/2010	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date: 3/10/2010	Final Volume: 5 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81926	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4601	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-82460

Prepared By: Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description: CAL @ 50 PPB	BatchNumber:	ApproveDate: 03/10/10
Prep Date: 3/10/2010	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date: 3/11/2010	Final Volume: 5 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81926	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4601	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82508

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	CAL @ 50 PPB	BatchNumber:	ApproveDate: 03/11/10
Prep Date:	3/11/2010	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/12/2010	Final Volume: 5 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81926	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4601	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: 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 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-12866/06201DB	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 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 Standard Receipt Log

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: 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: 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: 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: 4515

Description
tert-Amyl Methyl Ether

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:
RESTEK	30629	A056353	11/12/09	11/30/12	Revolus, Jean	1	1ml	2000	PPM

Veritech Control/Receipt Number: 4516

Description
502/524 VOA CAL MIX

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	LVOC-1JM	431-84A	11/12/09	10/31/10	Revolus, Jean	3	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4574

Description
CUSTOM VOA MIX

ApprovedBy: jean
ApproveDate: 12/17/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209121195	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 4575

Description
CUSTOM VOA MIX

ApprovedBy: jean
ApproveDate: 12/17/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209121205	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 4599

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 01/08/10
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	209091009-02	01/08/10	05/04/10	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4600

Description
GASES

ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	01/08/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 4601

Description
CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 01/08/10
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	209121020	01/08/10	12/02/19	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 4608

Description
VOA COMP MIX #6(GASES)

ApprovedBy: DAN
ApproveDate: 01/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB72461	01/11/10	03/31/11	Batelli, Daniel	4	1mL	2000	PPM

Veritech Control/Receipt Number: 4616

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 01/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB64417	01/12/10	01/31/11	Revolus, Jean	1	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
10M10414.D	SMB4435	Soil	03/09/10 15:19	1		89	91	88	86	91	93
10M10443.D	SMB4436	Soil	03/10/10 15:54	1		95	100	83	83	89	90
5M55991.D	SMB4438	Soil	03/15/10 11:22	1		65	67	85	90	91	97
9M23664.D	SMB4436	Soil	03/10/10 15:30	1		103	102	88	84	150	89
9M23717.D	SMB4438	Soil	03/12/10 15:40	1		102	107	96	85	150	95
9M23666.D	AC50199-001(	Soil	03/10/10 16:59	2		92	97	83	77	148	88
9M23667.D	AC50199-002	Soil	03/10/10 17:22	1		100	109	81	83	155	86
9M23699.D	AC50199-003(	Soil	03/11/10 17:29	3		88	94	85	76	141	83
5M56038.D	AC50199-004(	Soil	03/16/10 16:24	3		64	67	84	89	96	87
5M56039.D	AC50199-005	Soil	03/16/10 16:47	1		67	71	85	89	113	93
9M23729.D	AC50199-006	Soil	03/12/10 20:13	1		87	94	77	76	145	80
9M23730.D	AC50199-007(	Soil	03/12/10 20:36	2		88	101	83	79	149	84
10M10436.D	SMB4435(MS)	Soil	03/10/10 10:30	1		93	98	87	87	91	92
10M10437.D	AC50217-010	Soil	03/10/10 10:52	1		86	91	84	82	87	85
10M10438.D	AC50217-010(	Soil	03/10/10 11:15	1		92	96	86	84	89	91
10M10439.D	AC50217-010(	Soil	03/10/10 11:37	1		80	84	78	75	78	77
10M10442.D	SMB4436(MS)	Soil	03/10/10 15:32	1		97	104	91	91	97	97
5M55996.D	SMB4438(MS)	Soil	03/15/10 13:14	1		62	66	82	84	102	93
5M56002.D	AC50233-002(	Soil	03/15/10 15:30	1		68	71	89	92	113	106
5M56003.D	AC50233-002(	Soil	03/15/10 15:52	1		67	69	88	90	108	110
5M56029.D	AC50233-002	Soil	03/16/10 12:02	1		68	72	87	90	114	97

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

Form3

MBS Data

Method: 8270

		Data File:===>			10M10442.D														
		Data/Batch/Sample ID:===>			SMB4436(MS)-So														
		Date/Time:===>			03/10/10 15:32														
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
1,2,4-Trichlorobenz	40-129		1	0	46	50	92												
1,4-Dichlorobenzen	26-128		1	0	43.67	50	87												
2,4-Dimethylphenol	47-135		1	0	97.34	100	97												
2,4-Dinitrotoluene	30-139		1	0	46.67	50	93												
2-Chlorophenol	43-131		1	0	97.39	100	97												
2-Methylphenol	40-137		1	0	99.97	100	100												
4-Chloro-3-methylph	45-142		1	0	102.0	100	102												
4-Nitrophenol	35-146		1	0	82.17	100	82												
Acenaphthene	47-137		1	0	45.95	50	92												
Butylbenzylphthalat	45-157		1	0	46.05	50	92												
Fluorene	42-135		1	0	49.58	50	99												
Naphthalene	44-132		1	0	45.96	50	92												
N-Nitroso-di-n-propy	23-147		1	0	49.09	50	98												
Pentachlorophenol	38-132		1	0	50.57	100	51												
Phenol	35-130		1	0	89.13	100	89												
Pyrene	45-167		1	0	47.17	50	94												

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

FORM 3

Spike Recovery

Batch Number:	SMB4435	Mbs File:	10M10436.D	Mbs Date:	03/10/10 10:30
Mbs Name:	SMB4435(MS)	Non Spk'd File:	10M10437.D	Non Spk'd Date:	03/10/10 10:52
Ns Name:	AC50217-010	Spike File:	10M10438.D	Spike Date :	03/10/10 11:15
Ms Name:	AC50217-010(MS)	Spike Dup File:	10M10439.D	Spike Dup Date:	03/10/10 11:37
Msd Name:	AC50217-010(MSD	Matrix:	Soil		
		Method:	EPA 8270C		

Compound	C#	Co	Mr	Conc Exp	Lo LIm	Hi Lim	Rpd LIm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	16	1	0	100	35	130	31	83.38	0.00	81.66	72.27	83	82	72	12
2-Chlorophenol	17	1	0	100	43	131	32	92.92	0.00	90.91	78.12	93	91	78	15
1,4-Dichlorobenzene	20	1	0	50	26	128	41	40.13	0.00	39.30	35.43	80	79	71	10
2-Methylphenol	24	1	0	100	40	137	32	93.29	0.00	92.15	79.84	93	92	80	14
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	45.38	0.00	46.18	40.04	91	92	80	14
2,4-Dimethylphenol	34	1	0	100	47	135	32	87.09	0.00	91.85	81.40	87	92	81	12
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	41.88	0.00	28.22	27.31	84	56	55	3.3
Naphthalene	39	1	0	50	44	132	41	42.33	0.00	41.80	38.02	85	84	76	9.5
4-Chloro-3-methylphe	43	1	0	100	45	142	32	92.20	0.00	94.07	83.04	92	94	83	12
Acenaphthene	61	1	0	50	47	137	58	43.20	0.00	41.67	36.88	86	83	74	12
2,4-Dinitrotoluene	65	1	0	50	30	139	47	45.39	0.00	42.92	37.80	91	86	76	13
4-Nitrophenol	66	1	0	100	35	146	36	80.99	0.00	82.64	72.17	81	83	72	14
Fluorene	68	1	0	50	42	135	43	46.76	0.00	45.41	40.29	94	91	81	12
Pentachlorophenol	81	1	0	100	38	132	37	93.64	0.00	80.97	75.32	94	81	75	7.2
Pyrene	88	1	0	50	45	167	53	44.25	2.94	43.25	37.88	88	81	70	13
Butylbenzylphthalate	94	1	0	50	45	157	40	42.78	0.00	44.30	37.82	86	89	76	16

Note:

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

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

FORM 3
Spike Recovery

Batch Number: SMB4438	Mbs File: 5M55996.D	Mbs Date: 03/15/10 13:14
Mbs Name: SMB4438(MS)	Non Spk'd File: 5M56029.D	Non Spk'd Date: 03/16/10 12:02
Ns Name: AC50233-002	Spike File: 5M56002.D	Spike Date : 03/15/10 15:30
Ms Name: AC50233-002(MS)	Spike Dup File: 5M56003.D	Spike Dup Date: 03/15/10 15:52
Msd Name: AC50233-002(MSD	Matrix: Soil	
	Method: EPA 8270C	

Compound	C#	Co	Mr	Conc Exp	Lo LIm	Hi Lim	Rpd LIm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	16	1	0	100	35	130	31	59.76	0.00	67.11	66.58	60	67	67	0.79
2-Chlorophenol	17	1	0	100	43	131	32	74.41	0.00	85.38	84.47	74	85	84	1.1
1,4-Dichlorobenzene	20	1	0	50	26	128	41	39.80	0.00	43.43	45.20	80	87	90	4
2-Methylphenol	24	1	0	100	40	137	32	70.56	0.00	80.15	78.58	71	80	79	2
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	35.78	0.00	41.22	41.16	72	82	82	0.15
2,4-Dimethylphenol	34	1	0	100	47	135	32	77.02	0.00	91.24	88.46	77	91	88	3.1
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	44.17	0.00	49.74	50.84	88	99	102	2.2
Naphthalene	39	1	0	50	44	132	41	40.80	0.00	46.34	46.55	82	93	93	0.45
4-Chloro-3-methylphe	43	1	0	100	45	142	32	79.55	0.00	88.63	86.59	80	89	87	2.3
Acenaphthene	61	1	0	50	47	137	58	41.47	0.00	46.76	46.35	83	94	93	0.88
2,4-Dinitrotoluene	65	1	0	50	30	139	47	39.12	0.00	42.86	42.15	78	86	84	1.7
4-Nitrophenol	66	1	0	100	35	146	36	66.21	0.00	73.60	71.00	66	74	71	3.6
Fluorene	68	1	0	50	42	135	43	43.41	0.00	46.85	47.07	87	94	94	0.47
Pentachlorophenol	81	1	0	100	38	132	37	81.79	0.00	95.25	90.04	82	95	90	5.6
Pyrene	88	1	0	50	45	167	53	44.35	0.00	52.08	54.15	89	104	108	3.9
Butylbenzylphthalate	94	1	0	50	45	157	40	41.73	0.00	49.79	52.42	83	100	105	5.1

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: SMB4435
Blank Data File: 10M10414.D
Matrix: Soil

Blank Analysis Date: 03/09/10 15:19
Blank Extraction Date: 03/09/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC50217-010(MS)	10M10438.D	03/10/10 11:15
AC50217-010	10M10437.D	03/10/10 10:52
SMB4435(MS)	10M10436.D	03/10/10 10:30
AC50217-010(MSD	10M10439.D	03/10/10 11:37

FORM 4
Blank Summary

Blank Number: SMB4436
Blank Data File: 9M23664.D
Matrix: Soil

Blank Analysis Date: 03/10/10 15:30
Blank Extraction Date: 03/10/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC50199-001(2X)	9M23666.D	03/10/10 16:59
AC50199-002	9M23667.D	03/10/10 17:22
AC50199-003(3X)	9M23699.D	03/11/10 17:29

FORM 4
Blank Summary

Blank Number: SMB4436
Blank Data File: 10M10443.D
Matrix: Soil

Blank Analysis Date: 03/10/10 15:54
Blank Extraction Date: NA 3/10/10 RR
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
SMB4436(MS)	10M10442.D	03/10/10 15:32

FORM 4
Blank Summary

Blank Number: SMB4438
Blank Data File: 9M23717.D
Matrix: Soil

Blank Analysis Date: 03/12/10 15:40
Blank Extraction Date: 03/12/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC50199-006	9M23729.D	03/12/10 20:13
AC50199-007(2X)	9M23730.D	03/12/10 20:36

FORM 4
Blank Summary

Blank Number: SMB4438
Blank Data File: 5M55991.D
Matrix: Soil

Blank Analysis Date: 03/15/10 11:22
Blank Extraction Date: 03/12/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC50199-004(3X)	5M56038.D	03/16/10 16:24
AC50199-005	5M56039.D	03/16/10 16:47
SMB4438(MS)	5M55996.D	03/15/10 13:14
AC50233-002	5M56029.D	03/16/10 12:02
AC50233-002(MSD	5M56003.D	03/15/10 15:52
AC50233-002(MS)	5M56002.D	03/15/10 15:30

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10007.D
Analysis Date: 02/17/10 08:45
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.739 to 9.750 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	44.5	12439	PASS
68	69	0.00	2	1.3	152	PASS
69	198	0.00	100	40.8	11425	PASS
70	69	0.00	2	0.4	51	PASS
127	198	40	60	49.2	13755	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27970	PASS
199	198	5	9	6.5	1827	PASS
275	198	10	30	19.6	5487	PASS
365	198	1	100	1.9	518	PASS
441	443	0.01	100	72.3	2344	PASS
442	198	40	100	58.0	16227	PASS
443	442	17	23	20.0	3241	PASS

Data File	Sample Number	Analysis Date:
10M10008.D	CAL BNA@50PPM	02/17/10 09:10
10M10009.D	CAL BNA@2PPM	02/17/10 09:32
10M10010.D	CAL BNA@10PPM	02/17/10 09:57
10M10011.D	CAL BNA@20PPM	02/17/10 10:19
10M10012.D	CAL BNA@80PPM	02/17/10 10:41
10M10013.D	CAL BNA@120PP	02/17/10 11:03
10M10014.D	CAL BNA@160PP	02/17/10 11:25
10M10015.D	CAL BNA@196PP	02/17/10 11:47
10M10016.D	CAL BNA@2PPM	02/17/10 12:57
10M10017.D	CAL BNA@50PPM	02/17/10 13:23
10M10018.D	ICV BNA@50PPM	02/17/10 13:45
10M10019.D	SMB4418	02/17/10 15:08
10M10020.D	SMB4418(MS)	02/17/10 15:30
10M10021.D	AC49768-001	02/17/10 15:53
10M10022.D	SMB4417	02/17/10 16:15
10M10023.D	AC49773-026	02/17/10 16:37
10M10024.D	AC49773-027	02/17/10 17:00

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M55791.D
Analysis Date: 03/01/10 08:13
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.028 to 10.044 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.7	15485	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.5	17675	PASS
70	69	0.00	2	0.6	104	PASS
127	198	40	60	47.6	21889	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45963	PASS
199	198	5	9	6.7	3094	PASS
275	198	10	30	20.4	9380	PASS
365	198	1	100	1.9	877	PASS
441	443	0.01	100	83.2	3470	PASS
442	198	40	100	47.3	21730	PASS
443	442	17	23	19.2	4170	PASS

Data File	Sample Number	Analysis Date:
5M55792.D	CAL BNA@50PPM	03/01/10 08:37
5M55793.D	CAL BNA@50PPM	03/01/10 09:02
5M55794.D	CAL BNA@2PPM	03/01/10 09:27
5M55795.D	CAL BNA@10PPM	03/01/10 09:49
5M55796.D	CAL BNA@20PPM	03/01/10 10:11
5M55797.D	CAL BNA@80PPM	03/01/10 10:57
5M55798.D	CAL BNA@120PP	03/01/10 11:19
5M55799.D	CAL BNA@160PP	03/01/10 11:41
5M55800.D	CAL BNA@196PP	03/01/10 12:04
5M55801.D	CAL BNA@20PPM	03/01/10 12:34
5M55802.D	CAL BNA@10PPM	03/01/10 13:17
5M55803.D	CAL BNA@50PPM	03/01/10 13:39
5M55804.D	CAL BNA@80PPM	03/01/10 14:29
5M55805.D	ICV BNA@50PPM	03/01/10 14:51

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23467.D
Analysis Date: 03/01/10 08:42
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.363 to 9.373 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.1	8304	PASS
68	69	0.00	2	1.4	143	PASS
69	198	0.00	100	51.7	10189	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.7	11178	PASS
197	198	0.00	1	0.4	79	PASS
198	198	100	100	100.0	19703	PASS
199	198	5	9	6.8	1332	PASS
275	198	10	30	26.6	5235	PASS
365	198	1	100	3.0	598	PASS
441	443	0.01	100	93.2	1780	PASS
442	198	40	100	47.4	9343	PASS
443	442	17	23	20.4	1910	PASS

Data File	Sample Number	Analysis Date:
9M23468.D	CAL BNA@50PPM	03/01/10 09:05
9M23469.D	CAL BNA@2PPM	03/01/10 09:34
9M23470.D	CAL BNA@10PPM	03/01/10 09:57
9M23471.D	CAL BNA@20PPM	03/01/10 10:20
9M23472.D	CAL BNA@80PPM	03/01/10 10:43
9M23473.D	CAL BNA@120PP	03/01/10 11:05
9M23474.D	CAL BNA@160PP	03/01/10 11:28
9M23475.D	CAL BNA@196PP	03/01/10 11:51
9M23476.D	CAL BNA@50PPM	03/01/10 12:44
9M23477.D	ICV BNA@50PPM	03/01/10 13:06
9M23478.D	SMB4427(MS)	03/01/10 13:45
9M23479.D	SMB4427	03/01/10 14:08
9M23480.D	OMB1357	03/01/10 14:30
9M23481.D	OMB1357(MS)	03/01/10 14:53
9M23482.D	SMB4425	03/01/10 15:15
9M23483.D	AC50015-006(2X)	03/01/10 15:38
9M23484.D	AC49952-001(5X)	03/01/10 16:01
9M23485.D	AC49987-013	03/01/10 16:23
9M23486.D	AC49987-014	03/01/10 16:46
9M23487.D	AC49987-015	03/01/10 17:08
9M23488.D	AC49987-016	03/01/10 17:31
9M23489.D	AC49987-024	03/01/10 17:53
9M23490.D	AC49987-028	03/01/10 18:16
9M23491.D	AC49987-029	03/01/10 18:39
9M23492.D	AC49968-001(3X)(	03/01/10 19:01
9M23493.D	AC49995-001(2X)	03/01/10 19:24
9M23494.D	AC50048-002(20X)	03/01/10 19:47
9M23495.D	AC50049-001(20X)	03/01/10 20:10
9M23496.D	AC50049-002(20X)	03/01/10 20:32
9M23497.D	AC50049-003(20X)	03/01/10 20:55

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10399.D
Analysis Date: 03/09/10 08:53
Method: EPA 8270C

Tune Scan/Time Range: Scan 1403

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.1	39608	PASS
68	69	0.00	2	1.4	536	PASS
69	198	0.00	100	38.5	37128	PASS
70	69	0.00	2	0.6	210	PASS
127	198	40	60	49.0	47248	PASS
197	198	0.00	1	0.6	603	PASS
198	198	100	100	100.0	96464	PASS
199	198	5	9	6.9	6617	PASS
275	198	10	30	18.6	17936	PASS
365	198	1	100	1.8	1718	PASS
441	443	0.01	100	75.6	7356	PASS
442	198	40	100	52.0	50160	PASS
443	442	17	23	19.4	9728	PASS

Data File	Sample Number	Analysis Date:
10M10400.D	CAL BNA@50PPM	03/09/10 09:21
10M10401.D	WMB4433	03/09/10 09:48
10M10402.D	WMB4433(MS)	03/09/10 10:10
10M10403.D	AC50102-001(T)	03/09/10 10:32
10M10404.D	AC50102-001(MS)(	03/09/10 10:55
10M10405.D	AC50102-001(MSD	03/09/10 11:17
10M10406.D	AC50088-002	03/09/10 11:40
10M10407.D	WMB4433	03/09/10 12:02
10M10408.D	AC50105-001(R)	03/09/10 12:24
10M10409.D	AC50105-002(R)	03/09/10 12:47
10M10410.D	AC50105-003(R)	03/09/10 13:09
10M10411.D	AC50105-004(R)	03/09/10 13:31
10M10412.D	TEST	03/09/10 14:16
10M10413.D	SMB4435(MS)	03/09/10 14:57
10M10414.D	SMB4435	03/09/10 15:19
10M10415.D	WMB4434(MS)	03/09/10 15:41
10M10416.D	WMB4434	03/09/10 16:10
10M10417.D	AC50177-006	03/09/10 16:32
10M10418.D	AC50177-006(MS)	03/09/10 16:55
10M10419.D	AC50177-006(MSD	03/09/10 17:17
10M10420.D	AC50177-001	03/09/10 17:39
10M10421.D	AC49930-022	03/09/10 18:02
10M10422.D	AC50177-002	03/09/10 18:24
10M10423.D	AC50177-003	03/09/10 18:46
10M10424.D	AC50177-004	03/09/10 19:08
10M10425.D	AC50177-005	03/09/10 19:30
10M10426.D	AC50177-007	03/09/10 19:52
10M10427.D	AC50177-008	03/09/10 20:14
10M10428.D	AC50179-001	03/09/10 20:36
10M10429.D	AC50179-002	03/09/10 20:58
10M10430.D	AC50181-002	03/09/10 21:20

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M23651.D
Analysis Date: 03/10/10 08:31
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.198 to 9.204 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	58.9	25288	PASS
68	69	0.00	2	2.0	486	PASS
69	198	0.00	100	57.5	24684	PASS
70	69	0.00	2	1.2	304	PASS
127	198	40	60	54.7	23508	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	42948	PASS
199	198	5	9	7.1	3039	PASS
275	198	10	30	28.1	12067	PASS
365	198	1	100	3.0	1305	PASS
441	443	0.01	100	78.0	3693	PASS
442	198	40	100	51.9	22280	PASS
443	442	17	23	21.2	4732	PASS

Data File	Sample Number	Analysis Date:
9M23652.D	CAL BNA@50PPM	03/10/10 08:56
9M23653.D	TEST	03/10/10 09:18
9M23654.D	AC50217-008	03/10/10 09:41
9M23655.D	AC50217-014	03/10/10 10:04
9M23656.D	AC50217-012	03/10/10 10:27
9M23657.D	AC50176-001	03/10/10 10:50
9M23658.D	AC50176-004	03/10/10 11:13
9M23659.D	AC50083-001	03/10/10 11:35
9M23660.D	AC50069-004	03/10/10 11:58
9M23661.D	AC50176-003	03/10/10 12:21
9M23662.D	AC50083-001(10X)	03/10/10 12:44
9M23663.D	AC50069-004(20X)	03/10/10 13:06
9M23664.D	SMB4436	03/10/10 15:30
9M23665.D	MBS TEST	03/10/10 15:53
9M23666.D	AC50199-001(2X)	03/10/10 16:59
9M23667.D	AC50199-002	03/10/10 17:22
9M23668.D	AC50217-002	03/10/10 17:45
9M23669.D	AC50217-004	03/10/10 18:08
9M23670.D	AC50217-006	03/10/10 18:30
9M23671.D	AC50217-022	03/10/10 18:53
9M23672.D	AC50217-020	03/10/10 19:16
9M23673.D	AC50217-024	03/10/10 19:39
9M23674.D	AC50217-026	03/10/10 20:02
9M23675.D	AC50199-003(10X)	03/10/10 20:25

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10431.D
Analysis Date: 03/10/10 08:38
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.680 to 9.696 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.9	31192	PASS
68	69	0.00	2	1.3	379	PASS
69	198	0.00	100	41.4	29426	PASS
70	69	0.00	2	0.4	110	PASS
127	198	40	60	50.5	35896	PASS
197	198	0.00	1	0.5	344	PASS
198	198	100	100	100.0	71080	PASS
199	198	5	9	6.6	4711	PASS
275	198	10	30	19.7	14029	PASS
365	198	1	100	1.9	1381	PASS
441	443	0.01	100	72.7	5651	PASS
442	198	40	100	55.9	39707	PASS
443	442	17	23	19.6	7774	PASS

Data File	Sample Number	Analysis Date:
10M10432.D	CAL BNA@50PPM	03/10/10 09:00
10M10433.D	AC50140-002(T)	03/10/10 09:23
10M10434.D	AC50140-004(T)	03/10/10 09:45
10M10435.D	AC50137-002	03/10/10 10:08
10M10436.D	SMB4435(MS)	03/10/10 10:30
10M10437.D	AC50217-010	03/10/10 10:52
10M10438.D	AC50217-010(MS)	03/10/10 11:15
10M10439.D	AC50217-010(MSD	03/10/10 11:37
10M10440.D	AC50069-003	03/10/10 11:59
10M10441.D	AC50122-005	03/10/10 12:22
10M10442.D	SMB4436(MS)	03/10/10 15:32
10M10443.D	SMB4436	03/10/10 15:54
10M10444.D	WMB4435(MS)	03/10/10 16:16
10M10445.D	WMB4435	03/10/10 16:38
10M10446.D	AC50149-001(R)	03/10/10 17:01
10M10447.D	AC50147-001	03/10/10 17:23
10M10448.D	AC50147-001(MS)	03/10/10 17:45
10M10449.D	AC50147-001(MSD	03/10/10 18:08
10M10450.D	AC50217-016	03/10/10 18:30
10M10451.D	AC50217-018	03/10/10 18:52
10M10452.D	AC50196-004	03/10/10 19:15
10M10453.D	AC50196-005	03/10/10 19:37
10M10454.D	AC50165-006	03/10/10 20:00
10M10455.D	AC50166-001	03/10/10 20:22
10M10456.D	AC50166-002	03/10/10 20:45
10M10457.D	AC50166-003	03/10/10 21:07
10M10458.D	AC50166-004	03/10/10 21:30
10M10459.D	AC50166-005	03/10/10 21:52
10M10460.D	AC50166-006	03/10/10 22:15
10M10461.D	AC50166-007	03/10/10 22:38
10M10462.D	AC50166-008	03/10/10 23:00

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23676.D
Analysis Date: 03/11/10 08:36
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.188 to 9.198 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	53.8	20509	PASS
68	69	0.00	2	0.7	142	PASS
69	198	0.00	100	53.0	20181	PASS
70	69	0.00	2	0.3	68	PASS
127	198	40	60	52.6	20065	PASS
197	198	0.00	1	0.6	223	PASS
198	198	100	100	100.0	38111	PASS
199	198	5	9	6.8	2578	PASS
275	198	10	30	28.0	10685	PASS
365	198	1	100	3.4	1293	PASS
441	443	0.01	100	83.6	4053	PASS
442	198	40	100	66.8	25476	PASS
443	442	17	23	19.0	4849	PASS

Data File	Sample Number	Analysis Date:
9M23677.D	BNA@50PPM	03/11/10 09:00
9M23678.D	CAL BNA@50PPM	03/11/10 09:30
9M23679.D	OMB1363	03/11/10 09:53
9M23680.D	OMB1363(MS)	03/11/10 10:16
9M23681.D	AC50188-001	03/11/10 10:39
9M23682.D	AC50188-002	03/11/10 11:02
9M23683.D	AC50188-003	03/11/10 11:25
9M23684.D	AC50188-004	03/11/10 11:47
9M23685.D	AC50188-005	03/11/10 12:10
9M23686.D	AC50188-006	03/11/10 12:33
9M23687.D	AC50188-007	03/11/10 12:55
9M23688.D	AC50188-008	03/11/10 13:18
9M23689.D	AC50259-003	03/11/10 13:41
9M23690.D	SMB4437(MS)	03/11/10 14:03
9M23691.D	SMB4437	03/11/10 14:26
9M23692.D	AC50259-004	03/11/10 14:48
9M23693.D	AC50259-005	03/11/10 15:11
9M23694.D	AC50259-006	03/11/10 15:34
9M23695.D	AC50259-007	03/11/10 15:57
9M23696.D	AC50259-008	03/11/10 16:20
9M23697.D	AC50259-007(3X)	03/11/10 16:43
9M23698.D	AC50090-005(20X)	03/11/10 17:06
9M23699.D	AC50199-003(3X)	03/11/10 17:29
9M23700.D	AC50090-005(2X)	03/11/10 17:51
9M23701.D	AC50259-003(MS)	03/11/10 18:13
9M23702.D	AC50259-003(MSD	03/11/10 18:36
9M23703.D	AC50188-009	03/11/10 18:59
9M23704.D	AC50188-007(MS)	03/11/10 19:21
9M23705.D	AC50188-007(MSD	03/11/10 19:43

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23706.D
Analysis Date: 03/12/10 09:43
Method: EPA 8270C

Tune Scan/Time Range: Scan 1368

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.0	33720	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.8	32984	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.8	31224	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59136	PASS
199	198	5	9	6.4	3795	PASS
275	198	10	30	28.9	17088	PASS
365	198	1	100	3.9	2334	PASS
441	443	0.01	100	75.0	6730	PASS
442	198	40	100	69.3	40960	PASS
443	442	17	23	21.9	8979	PASS

Data File	Sample Number	Analysis Date:
9M23707.D	CAL BNA@50PPM	03/12/10 10:37
9M23708.D	AC50259-003(MS)	03/12/10 11:40
9M23709.D	AC50259-003(MSD	03/12/10 12:02
9M23710.D	OMB1365(MS)	03/12/10 13:00
9M23711.D	OMB1365	03/12/10 13:23
9M23712.D	AC50262-001	03/12/10 13:46
9M23713.D	AC50262-002	03/12/10 14:09
9M23714.D	AC50262-003	03/12/10 14:32
9M23715.D	AC50262-004	03/12/10 14:54
9M23716.D	SMB4438(MS)	03/12/10 15:17
9M23717.D	SMB4438	03/12/10 15:40
9M23718.D	SMB4438(MS)	03/12/10 16:03
9M23719.D	AC50233-002	03/12/10 16:26
9M23720.D	AC50261-001(3X)	03/12/10 16:48
9M23721.D	AC50101-001	03/12/10 17:11
9M23722.D	AC50101-004	03/12/10 17:34
9M23723.D	AC50133-003	03/12/10 17:57
9M23724.D	AC50088-004	03/12/10 18:19
9M23725.D	AC50233-002(MS)	03/12/10 18:42
9M23726.D	AC50233-002(MSD	03/12/10 19:05
9M23727.D	AC50199-004(2X)	03/12/10 19:28
9M23728.D	AC50199-005	03/12/10 19:50
9M23729.D	AC50199-006	03/12/10 20:13
9M23730.D	AC50199-007(2X)	03/12/10 20:36
9M23731.D	AC50233-001	03/12/10 20:59
9M23732.D	AC50233-004	03/12/10 21:21

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M55987.D
Analysis Date: 03/15/10 09:46
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.879 to 9.895 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.9	5469	PASS
68	69	0.00	2	0.8	47	PASS
69	198	0.00	100	34.8	6166	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.3	8368	PASS
197	198	0.00	1	0.2	38	PASS
198	198	100	100	100.0	17708	PASS
199	198	5	9	7.1	1261	PASS
275	198	10	30	21.4	3781	PASS
365	198	1	100	2.0	356	PASS
441	443	0.01	100	74.9	1212	PASS
442	198	40	100	47.5	8418	PASS
443	442	17	23	19.2	1618	PASS

Data File	Sample Number	Analysis Date:
5M55988.D	CAL BNA@50PPM	03/15/10 10:11
5M55989.D	SMB4439	03/15/10 10:37
5M55990.D	SMB4439(MS)	03/15/10 11:00
5M55991.D	SMB4438	03/15/10 11:22
5M55992.D	AC50293-001(20X)	03/15/10 11:44
5M55993.D	AC50293-011(10X)	03/15/10 12:07
5M55994.D	AC50293-002(10X)	03/15/10 12:30
5M55995.D	AC50293-003(10X)	03/15/10 12:52
5M55996.D	SMB4438(MS)	03/15/10 13:14
5M55997.D	AC50293-006(5X)	03/15/10 13:37
5M55998.D	AC50293-007(5X)	03/15/10 14:00
5M55999.D	AC50293-008(10X)	03/15/10 14:22
5M56000.D	AC50293-009(10X)	03/15/10 14:45
5M56001.D	AC50293-010(10X)	03/15/10 15:08
5M56002.D	AC50233-002(MS)	03/15/10 15:30
5M56003.D	AC50233-002(MSD	03/15/10 15:52
5M56004.D	AC50233-001	03/15/10 16:15
5M56005.D	AC50233-004	03/15/10 16:37
5M56006.D	OMB1368(MS)	03/15/10 17:00
5M56007.D	OMB1368(MS)DUP	03/15/10 17:22
5M56008.D	OMB1368	03/15/10 17:44
5M56009.D	OMB1366	03/15/10 18:45
5M56010.D	OMB1366(MS)	03/15/10 19:07
5M56011.D	AC50293-011(10X)	03/15/10 19:30
5M56012.D	AC50293-011(10X)	03/15/10 19:52
5M56013.D	AC50188-011	03/15/10 20:14
5M56014.D	AC50188-011(MS)	03/15/10 20:36
5M56015.D	AC50188-011(MSD	03/15/10 20:59
5M56016.D	AC50291-004	03/15/10 21:21
5M56017.D	AC50327-002	03/15/10 21:43
5M56018.D	AC50327-003	03/15/10 22:05
5M56019.D	AC50327-001(3X)	03/15/10 22:28
5M56020.D	AC50126-016	03/15/10 22:50

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M56021.D
Analysis Date: 03/16/10 08:58
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.868 to 9.884 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.3	7693	PASS
68	69	0.00	2	0.6	53	PASS
69	198	0.00	100	35.1	8922	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.0	11935	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	25399	PASS
199	198	5	9	7.0	1773	PASS
275	198	10	30	20.8	5282	PASS
365	198	1	100	1.8	457	PASS
441	443	0.01	100	66.8	1405	PASS
442	198	40	100	42.4	10758	PASS
443	442	17	23	19.6	2103	PASS

Data File	Sample Number	Analysis Date:
5M56022.D	CAL BNA@50PPM	03/16/10 09:26
5M56023.D	SMB4441	03/16/10 09:48
5M56024.D	SMB4440	03/16/10 10:10
5M56025.D	SMB4441(MS)	03/16/10 10:33
5M56026.D	AC50327-003	03/16/10 10:55
5M56027.D	AC50327-001(2X)	03/16/10 11:17
5M56028.D	AC50327-002(3X)	03/16/10 11:40
5M56029.D	AC50233-002	03/16/10 12:02
5M56030.D	AC50282-001	03/16/10 13:14
5M56031.D	AC50173-005	03/16/10 13:35
5M56032.D	AC50165-009	03/16/10 13:58
5M56033.D	AC50173-003	03/16/10 14:20
5M56034.D	AC50254-002	03/16/10 14:54
5M56035.D	AC50254-003	03/16/10 15:16
5M56036.D	AC50254-004	03/16/10 15:39
5M56037.D	AC50254-005	03/16/10 16:02
5M56038.D	AC50199-004(3X)	03/16/10 16:24
5M56039.D	AC50199-005	03/16/10 16:47
5M56040.D	AC50313-012	03/16/10 17:09
5M56041.D	AC50313-014	03/16/10 17:32
5M56042.D	AC50313-015	03/16/10 17:54
5M56043.D	AC50313-016	03/16/10 18:17
5M56044.D	AC50313-017	03/16/10 18:39
5M56045.D	AC50313-018	03/16/10 19:01
5M56046.D	AC50313-019	03/16/10 19:24
5M56047.D	AC50165-004(20X)	03/16/10 19:46
5M56048.D	AC50173-002(10X)	03/16/10 20:08

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M10017.D Method: EPA 8270C

Analysis Date/Time: 02/17/10 13:23

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:	61127	5.60	230955	6.62	123597	8.01	203154	9.44	158669	12.46	171069	14.05
Eval File Area Limit:	30564-122254		115478-461910		61798-247194		101577-406308		79334-317338		85534-342138	
Eval File Rt Limit:	5.1-6.1		6.12-7.12		7.51-8.51		8.94-9.94		11.96-12.96		13.55-14.55	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
10M10010.	CAL BNA@1C	56593	5.60	215295	6.62	114425	8.01	192174	9.44	152184	12.46	168357	14.05
10M10011.	CAL BNA@2C	57873	5.60	222479	6.62	118440	8.01	197557	9.44	156790	12.46	172339	14.05
10M10012.	CAL BNA@8C	54880	5.60	214395	6.62	115020	8.01	189084	9.44	149103	12.47	163003	14.06
10M10013.	CAL BNA@12	56198	5.60	222586	6.62	116456	8.01	193235	9.44	147890	12.47	165876	14.06
10M10014.	CAL BNA@16	56657	5.60	217528	6.62	117652	8.01	195524	9.44	146169	12.47	163266	14.06
10M10015.	CAL BNA@19	55650	5.60	214286	6.62	113792	8.01	189620	9.44	141271	12.47	157447	14.06
10M10016.	CAL BNA@2F	49391	5.60	189594	6.62	100532	8.01	163914	9.43	127968	12.46	131810	14.05
10M10017.	CAL BNA@5C	61127	5.60	230955	6.62	123597	8.01	203154	9.44	158669	12.46	171069	14.05
10M10018.	ICV BNA@50	54658	5.60	210025	6.62	111930	8.01	185331	9.44	142459	12.46	154741	14.05
10M10019.	SMB4418	80080	5.60	295528	6.62	153090	8.01	245570	9.44	177034	12.46	186359	14.05
10M10020.	SMB4418(MS.	66401	5.60	248734	6.62	131751	8.01	217085	9.43	152492	12.46	153785	14.04
10M10021.	AC49768-001	73210	5.60	274629	6.62	147241	8.01	228516	9.43	157483	12.46	154118	14.05
10M10022.	SMB4417	58560	5.60	218193	6.62	115244	8.01	186297	9.43	134851	12.46	145635	14.05
10M10023.	AC49773-026	66204	5.60	247961	6.62	131961	8.01	210560	9.43	149939	12.46	157873	14.05
10M10024.	AC49773-027	70152	5.60	267961	6.62	141794	8.01	220357	9.43	147682	12.46	150381	14.05

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: 9M23476.D Method: EPA 8270C

Analysis Date/Time: 03/01/10 12:44

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:	31691	5.27	115191	6.29	62279	7.65	107264	9.04	91604	12.06	96501	13.66
Eval File Area Limit:	15846-63382		57596-230382		31140-124558		53632-214528		45802-183208		48250-193002	
Eval File Rt Limit:	4.77-5.77		5.79-6.79		7.15-8.15		8.54-9.54		11.56-12.56		13.16-14.16	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
9M23469.D	CAL BNA@2F	26897	5.27	107296	6.29	61399	7.65	102767	9.05	92700	12.06	96192	13.66
9M23470.D	CAL BNA@1C	28973	5.27	105273	6.29	59705	7.64	103563	9.04	91929	12.06	98227	13.66
9M23471.D	CAL BNA@2C	27463	5.27	102284	6.29	57313	7.64	96624	9.04	82834	12.06	86113	13.66
9M23472.D	CAL BNA@8C	26446	5.27	95956	6.29	52846	7.65	91318	9.05	78190	12.06	82204	13.66
9M23473.D	CAL BNA@12	27421	5.27	97857	6.29	56362	7.65	93802	9.05	82354	12.07	85759	13.66
9M23474.D	CAL BNA@16	27851	5.27	101155	6.29	56718	7.65	96597	9.05	82050	12.07	88342	13.66
9M23475.D	CAL BNA@19	27647	5.27	105816	6.29	59899	7.65	101572	9.05	79056	12.07	84861	13.66
9M23476.D	CAL BNA@5C	31691	5.27	115191	6.29	62279	7.65	107264	9.04	91604	12.06	96501	13.66
9M23477.D	ICV BNA@50	26472	5.27	97785	6.29	56503	7.64	91978	9.04	82667	12.06	83451	13.65
9M23478.D	SMB4427(MS	33285	5.27	120209	6.29	65844	7.65	109112	9.05	89438	12.05	82726	13.65
9M23479.D	SMB4427	31867	5.27	121314	6.29	65366	7.64	106424	9.04	91067	12.05	90717	13.65
9M23480.D	OMB1357	27721	5.27	101214	6.29	55698	7.64	95876	9.04	82405	12.05	84929	13.65
9M23481.D	OMB1357(MS	26776	5.27	100325	6.29	59350	7.64	96384	9.04	87414	12.05	90148	13.65
9M23482.D	SMB4425	34216	5.27	125730	6.29	68664	7.64	109250	9.04	94932	12.05	95557	13.65
9M23483.D	AC50015-006	31214	5.27	115275	6.29	63020	7.64	102027	9.04	85978	12.05	90191	13.65
9M23484.D	AC49952-001	31789	5.27	124916	6.29	72896	7.64	121298	9.04	95385	12.05	91361	13.65
9M23485.D	AC49987-013	31788	5.27	120904	6.29	65128	7.64	93915	9.04	56829	12.08	61017	13.69
9M23486.D	AC49987-014	33379	5.27	131385	6.29	75077	7.64	120366	9.04	83625	12.05	82095	13.65
9M23487.D	AC49987-015	31457	5.27	122757	6.29	66785	7.64	106301	9.04	81582	12.05	86930	13.65
9M23488.D	AC49987-016	32562	5.27	122278	6.29	68433	7.64	111724	9.04	92804	12.05	92529	13.65
9M23489.D	AC49987-024	39179	5.27	130437	6.29	55351	7.65	70879	9.06	46050	12.17	75739	13.78
9M23490.D	AC49987-028	34590	5.27	130477	6.29	76010	7.65	126365	9.04	87025	12.06	82241	13.65
9M23491.D	AC49987-029	33780	5.27	132071	6.29	75828	7.64	124304	9.05	84974	12.06	85918	13.66
9M23492.D	AC49968-001	37354	5.29	131252	6.30	92141	7.64	147140	9.04	100927	12.05	93764	13.65
9M23493.D	AC49995-001	36629	5.27	142557	6.29	76050	7.65	126457	9.06	99363	12.06	99908	13.66
9M23494.D	AC50048-002	34344	5.27	129613	6.29	76030	7.65	112528	9.05	89996	12.06	95049	13.66
9M23495.D	AC50049-001	35308	5.27	142771	6.29	80863	7.64	129330	9.04	92378	12.06	96020	13.66
9M23496.D	AC50049-002	35693	5.27	139612	6.29	82251	7.65	136879	9.05	93186	12.06	96459	13.66
9M23497.D	AC50049-003	34898	5.27	127868	6.29	76451	7.65	132156	9.05	93733	12.06	94925	13.66

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: 5M55803.D Method: EPA 8270C

Analysis Date/Time: 03/01/10 13:39

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:	50691	5.80	201082	6.81	114396	8.25	214251	9.71	178915	12.78	182794	14.40
Eval File Area Limit:	25346-101382		100541-402164		57198-228792		107126-428502		89458-357830		91397-365588	
Eval File Rt Limit:	5.3-6.3		6.31-7.31		7.75-8.75		9.21-10.21		12.28-13.28		13.9-14.9	

Data File	Sample												
5M55794.D	CAL BNA@2F	44122	5.82	170878	6.83	96068	8.27	171634	9.74	157885	12.81	157771	14.44
5M55798.D	CAL BNA@12	46409	5.82	189086	6.83	110244	8.27	212970	9.74	164776	12.81	178620	14.44
5M55799.D	CAL BNA@16	44825	5.82	181058	6.84	107183	8.27	205100	9.74	155505	12.81	166069	14.44
5M55800.D	CAL BNA@19	43501	5.82	175337	6.84	103098	8.27	191633	9.74	144088	12.82	157967	14.44
5M55801.D	CAL BNA@2C	51094	5.80	188775	6.82	102955	8.25	185259	9.71	163728	12.78	164954	14.40
5M55802.D	CAL BNA@1C	55466	5.80	206969	6.82	113557	8.25	206411	9.72	180798	12.78	180146	14.41
5M55803.D	CAL BNA@5C	50691	5.80	201082	6.81	114396	8.25	214251	9.71	178915	12.78	182794	14.40
5M55804.D	CAL BNA@8C	51398	5.80	203168	6.82	117274	8.25	216894	9.71	172706	12.78	179788	14.41
5M55805.D	ICV BNA@50	48503	5.80	189328	6.81	108239	8.25	198535	9.71	170922	12.78	166405	14.40

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: 10M10400.D Method: EPA 8270C

Analysis Date/Time: 03/09/10 09:21

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:	69877	5.57	285620	6.58	160832	7.96	270599	9.39	206555	12.41	219046	14.00
Eval File Area Limit:	34938-139754		142810-571240		80416-321664		135300-541198		103278-413110		109523-438092	
Eval File Rt Limit:	5.07-6.07		6.08-7.08		7.46-8.46		8.89-9.89		11.91-12.91		13.5-14.5	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
10M10401.	WMB4433	56896	5.57	228242	6.58	126753	7.96	212150	9.39	152743	12.40	156476	13.99
10M10402.	WMB4433(MS	60563	5.57	247561	6.58	142882	7.96	242511	9.39	175410	12.41	190282	14.00
10M10403.	AC50102-001(	58383	5.57	233176	6.58	130368	7.96	225662	9.39	172142	12.40	174132	13.99
10M10404.	AC50102-001(	63233	5.57	245596	6.58	140037	7.96	231996	9.39	169098	12.41	170006	14.00
10M10405.	AC50102-001(	59398	5.57	237939	6.58	134243	7.96	227072	9.39	169140	12.41	177323	14.00
10M10407.	WMB4433	62781	5.57	250979	6.58	143327	7.96	242782	9.39	187286	12.40	189632	13.99
10M10412.	TEST	55768	5.57	229547	6.58	130600	7.96	222237	9.39	165386	12.41	177504	14.00
10M10413.	SMB4435(MS.	61202	5.57	243844	6.58	141465	7.96	243200	9.39	188708	12.40	203658	13.99
10M10414.	SMB4435	71661	5.57	278184	6.58	155867	7.96	261563	9.39	196204	12.40	202028	13.99
10M10415.	WMB4434(MS	68026	5.57	269008	6.58	153621	7.96	262768	9.39	197990	12.41	210346	14.00
10M10416.	WMB4434	71530	5.56	291485	6.58	166259	7.96	282916	9.39	212262	12.40	214873	13.99
10M10418.	AC50177-006(	62402	5.57	253700	6.58	144305	7.96	245236	9.39	181318	12.41	196712	14.00
10M10419.	AC50177-006(	68845	5.57	279648	6.58	161199	7.96	268499	9.39	197008	12.41	207642	14.00
10M10421.	AC49930-022	73660	5.57	294159	6.58	167691	7.96	279012	9.39	207831	12.40	194185	13.99

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: 10M10432.D Method: EPA 8270C

Analysis Date/Time: 03/10/10 09:00

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:	42983	5.56	176552	6.57	99602	7.96	176832	9.38	140209	12.40	152748	13.99
Eval File Area Limit:	21492-85966		88276-353104		49801-199204		88416-353664		70104-280418		76374-305496	
Eval File Rt Limit:	5.06-6.06		6.07-7.07		7.46-8.46		8.88-9.88		11.9-12.9		13.49-14.49	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
10M10433.	AC50140-002(	54805	5.56	217447	6.57	122960	7.96	199802	9.38	147587	12.40	157411	13.99
10M10434.	AC50140-004(	51440	5.56	208749	6.57	115820	7.96	198509	9.38	156333	12.40	166725	13.99
10M10436.	SMB4435(MS.	53481	5.56	220365	6.57	123941	7.96	216824	9.38	170759	12.40	183389	13.99
10M10437.	AC50217-010	62984	5.56	244702	6.57	140646	7.96	236091	9.38	183484	12.40	193680	13.99
10M10438.	AC50217-010(	51879	5.56	211006	6.57	121497	7.96	207353	9.38	159212	12.40	172184	13.99
10M10439.	AC50217-010(	61335	5.56	242663	6.57	140619	7.96	240523	9.38	184882	12.40	196704	13.99
10M10440.	AC50069-003	54695	5.56	206837	6.58	122301	7.96	201624	9.39	164560	12.40	176133	13.99
10M10441.	AC50122-005	54065	5.56	219002	6.57	124825	7.96	213214	9.38	171103	12.40	181807	13.99
10M10442.	SMB4436(MS.	52118	5.56	214943	6.57	122321	7.96	211579	9.38	167040	12.40	179847	13.99
10M10443.	SMB4436	48722	5.56	206183	6.57	117337	7.96	205199	9.38	167851	12.40	179697	13.99
10M10444.	WMB4435(MS	51244	5.56	212320	6.57	123119	7.96	207455	9.38	163101	12.40	177330	13.99
10M10445.	WMB4435	46593	5.56	187627	6.57	108029	7.96	185933	9.38	154913	12.40	170012	13.99
10M10448.	AC50147-001(	49012	5.56	201331	6.58	114011	7.96	198377	9.38	154103	12.40	169536	13.99
10M10449.	AC50147-001(	55217	5.56	229959	6.58	131155	7.96	220983	9.39	169303	12.40	183174	13.99
10M10450.	AC50217-016	44169	5.56	174447	6.57	99384	7.96	166307	9.38	140808	12.40	154598	13.99
10M10451.	AC50217-018	57955	5.56	242282	6.57	140875	7.96	245046	9.38	198997	12.40	212115	13.99
10M10454.	AC50165-006	47381	5.56	194112	6.57	111396	7.96	185449	9.38	149922	12.40	159417	13.99

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: 9M23652.D Method: EPA 8270C

Analysis Date/Time: 03/10/10 08:56

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:	31146	5.14	117927	6.17	64718	7.51	105434	8.88	102774	11.88	119240	13.47
Eval File Area Limit:	15573-62292		58964-235854		32359-129436		52717-210868		51387-205548		59620-238480	
Eval File Rt Limit:	4.64-5.64		5.67-6.67		7.01-8.01		8.38-9.38		11.38-12.38		12.97-13.97	

Data File	Sample												
9M23653.D	TEST	34281	5.14	126123	6.17	64155	7.50	106641	8.88	93145	11.87	102429	13.46
9M23654.D	AC50217-008	26520	5.14	104707	6.17	55577	7.50	89771	8.88	86255	11.87	98716	13.46
9M23655.D	AC50217-014	33834	5.14	126658	6.17	69349	7.50	107383	8.88	90715	11.87	99088	13.47
9M23656.D	AC50217-012	44373	5.14	159948	6.17	82017	7.50	128573	8.88	94908	11.88	105244	13.47
9M23657.D	AC50176-001	30107	5.14	119444	6.17	68777	7.50	108854	8.88	90539	11.88	98047	13.47
9M23658.D	AC50176-004	30386	5.14	115804	6.17	61924	7.50	100262	8.88	90117	11.87	106714	13.47
9M23659.D	AC50083-001	33717	5.15	104681	6.18	80256	7.55	114539	8.94	123588	11.89	130352	13.47
9M23660.D	AC50069-004	35977	5.15	106498	6.18	65546	7.56	93734	8.93	100494	11.88	122643	13.47
9M23661.D	AC50176-003	29369	5.14	119451	6.17	65646	7.50	113986	8.88	107036	11.87	104721	13.47
9M23662.D	AC50083-001(	29148	5.14	114505	6.17	66697	7.51	107712	8.89	112617	11.87	124034	13.47
9M23663.D	AC50069-004(	30266	5.14	120654	6.17	68692	7.51	112107	8.88	103131	11.87	110066	13.47
9M23664.D	SMB4436	28635	5.14	115317	6.17	65269	7.51	112316	8.88	112052	11.87	114908	13.47
9M23665.D	MBS TEST	28027	5.14	106277	6.17	56260	7.51	92491	8.88	79525	11.88	92102	13.47
9M23666.D	AC50199-001(	25794	5.14	113641	6.17	67164	7.51	113496	8.89	100896	11.89	102873	13.49
9M23667.D	AC50199-002	28385	5.14	123056	6.17	67973	7.50	116808	8.88	110524	11.88	113538	13.48
9M23668.D	AC50217-002	26071	5.14	108961	6.17	64573	7.50	114852	8.88	109856	11.87	111447	13.47
9M23669.D	AC50217-004	25658	5.14	105266	6.17	60403	7.50	110823	8.88	107200	11.87	104958	13.47
9M23670.D	AC50217-006	27256	5.14	113602	6.17	66613	7.50	115062	8.88	105945	11.87	102759	13.47
9M23671.D	AC50217-022	22279	5.14	97910	6.17	59204	7.50	101490	8.88	97558	11.87	93051	13.47
9M23672.D	AC50217-020	26113	5.14	112364	6.17	66405	7.50	116837	8.88	112887	11.87	111571	13.47
9M23673.D	AC50217-024	24951	5.14	106545	6.17	62519	7.50	109981	8.88	101561	11.87	97546	13.47
9M23674.D	AC50217-026	23192	5.14	100064	6.17	59719	7.50	107232	8.88	103067	11.87	104004	13.47
9M23675.D	AC50199-003(	21458	5.14	89618	6.17	54539	7.50	93293	8.88	90457	11.88	89578	13.47

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: 9M23678.D Method: EPA 8270C

Analysis Date/Time: 03/11/10 09:30

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:	33148	5.10	132678	6.14	74482	7.48	125177	8.85	122320	11.84	142800	13.43
Eval File Area Limit:	16574-66296		66339-265356		37241-148964		62588-250354		61160-244640		71400-285600	
Eval File Rt Limit:	4.6-5.6		5.64-6.64		6.98-7.98		8.35-9.35		11.34-12.34		12.93-13.93	

Data File	Sample												
9M23677.D	BNA@50PPM	28921	5.13	114494	6.16	61480	7.49	108865	8.87	113037	11.86	137624	13.46
9M23679.D	OMB1363	32812	5.10	131952	6.13	74908	7.47	125183	8.84	124064	11.83	145674	13.42
9M23680.D	OMB1363(MS	31130	5.10	117093	6.14	66303	7.47	110054	8.84	107728	11.83	127147	13.42
9M23681.D	AC50188-001	32215	5.10	127118	6.13	71207	7.47	117987	8.84	117242	11.82	137084	13.42
9M23682.D	AC50188-002	33052	5.10	129351	6.13	71745	7.47	121354	8.84	120509	11.83	140037	13.42
9M23683.D	AC50188-003	32526	5.10	125618	6.13	69605	7.47	116729	8.84	121081	11.83	141345	13.42
9M23684.D	AC50188-004	33471	5.10	137721	6.13	78689	7.47	122768	8.84	122085	11.83	148545	13.42
9M23685.D	AC50188-005	27686	5.10	114215	6.13	64906	7.47	108572	8.84	111928	11.82	134283	13.42
9M23686.D	AC50188-006	29866	5.10	116324	6.13	66487	7.47	107462	8.84	107544	11.83	120783	13.42
9M23687.D	AC50188-007	32498	5.10	125023	6.13	68315	7.47	114171	8.84	113671	11.83	128515	13.42
9M23688.D	AC50188-008	34310	5.10	133340	6.13	72619	7.47	121253	8.84	114831	11.82	129022	13.42
9M23689.D	AC50259-003	31312	5.11	122286	6.13	65575	7.47	98367	8.84	89472	11.83	110883	13.42
9M23690.D	SMB4437(MS.	35865	5.11	137910	6.14	73166	7.47	113319	8.84	92725	11.82	104719	13.42
9M23691.D	SMB4437	34879	5.11	133969	6.13	73380	7.47	115977	8.84	93552	11.82	106690	13.42
9M23692.D	AC50259-004	37074	5.11	138623	6.13	69589	7.47	108972	8.84	87236	11.82	110635	13.42
9M23693.D	AC50259-005	32558	5.11	118948	6.14	67418	7.47	108426	8.84	94967	11.83	109726	13.42
9M23694.D	AC50259-006	34744	5.11	140505	6.13	76207	7.47	125149	8.84	104246	11.83	128484	13.43
9M23695.D	AC50259-007	31835	5.12	120991	6.14	72577	7.47	114358	8.84	96394	11.83	114897	13.42
9M23696.D	AC50259-008	32321	5.11	128109	6.14	71100	7.47	115272	8.84	94719	11.83	116750	13.42
9M23697.D	AC50259-007(	32248	5.11	123904	6.14	69941	7.47	115508	8.84	103537	11.83	121790	13.42
9M23698.D	AC50090-005(	32385	5.10	129784	6.13	76920	7.47	124639	8.84	105296	11.83	119367	13.43
9M23699.D	AC50199-003(	33252	5.10	132148	6.14	71810	7.47	116952	8.84	96127	11.84	112901	13.44
9M23700.D	AC50090-005(	35623	5.11	131982	6.14	78074	7.47	124960	8.84	92741	11.85	105621	13.48
9M23701.D	AC50259-003(	40553	5.11	154992	6.14	78581	7.47	117540	8.84	101691	11.83	123600	13.43
9M23702.D	AC50259-003(	37738	5.11	148756	6.14	78966	7.47	119170	8.84	104936	11.83	128251	13.43
9M23703.D	AC50188-009	36651	5.11	145597	6.14	81397	7.47	133809	8.84	111616	11.83	130967	13.43
9M23704.D	AC50188-007(	34428	5.10	135964	6.14	77526	7.47	124425	8.84	108794	11.83	122475	13.42
9M23705.D	AC50188-007(	31408	5.10	131602	6.14	76956	7.47	127567	8.84	107007	11.83	123553	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: 9M23707.D Method: EPA 8270C

Analysis Date/Time: 03/12/10 10:37

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:	26388	5.08	102796	6.11	56196	7.44	94249	8.81	89139	11.80	105829	13.38
Eval File Area Limit:	13194-52776		51398-205592		28098-112392		47124-188498		44570-178278		52914-211658	
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	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
9M23708.D	AC50259-003(	39289	5.08	165437	6.12	91937	7.44	139328	8.81	111599	11.80	135603	13.39
9M23709.D	AC50259-003(	37034	5.08	147980	6.11	83341	7.44	130051	8.81	105608	11.79	126679	13.39
9M23710.D	OMB1365(MS	26420	5.08	107358	6.11	63343	7.44	110268	8.81	95745	11.79	103848	13.38
9M23711.D	OMB1365	24556	5.08	104208	6.11	60110	7.44	103855	8.81	96249	11.79	102469	13.38
9M23712.D	AC50262-001	27260	5.08	113778	6.11	64229	7.44	109401	8.81	94807	11.79	108570	13.39
9M23713.D	AC50262-002	29411	5.08	124520	6.11	72018	7.44	121119	8.81	96267	11.80	105463	13.40
9M23714.D	AC50262-003	29268	5.08	122323	6.11	70864	7.44	122099	8.81	105948	11.79	114065	13.38
9M23715.D	AC50262-004	30435	5.08	122848	6.11	72761	7.44	124428	8.81	107829	11.79	116206	13.38
9M23716.D	SMB4438(MS.	29594	5.08	118294	6.11	65566	7.44	107712	8.81	90487	11.79	101923	13.38
9M23717.D	SMB4438	33338	5.08	130659	6.11	71820	7.44	116414	8.81	93543	11.79	101833	13.38
9M23718.D	SMB4438(MS.	34086	5.08	136633	6.11	77270	7.44	122998	8.81	96171	11.79	110706	13.38
9M23719.D	AC50233-002	27022	5.08	112371	6.11	62249	7.44	106288	8.81	89930	11.79	101670	13.38
9M23720.D	AC50261-001(	26163	5.08	108366	6.11	62852	7.44	103676	8.81	84884	11.80	98478	13.39
9M23721.D	AC50101-001	28012	5.08	116946	6.11	68847	7.44	111807	8.81	86651	11.80	100956	13.40
9M23722.D	AC50101-004	29925	5.08	125859	6.11	70123	7.44	114136	8.81	89863	11.80	106351	13.39
9M23723.D	AC50133-003	31166	5.08	121312	6.11	66824	7.44	97212	8.81	73780	11.81	91717	13.41
9M23724.D	AC50088-004	33463	5.08	122763	6.12	61690	7.45	106239	8.82	91814	11.79	113396	13.38
9M23725.D	AC50233-002(	28164	5.08	118804	6.12	71146	7.44	117112	8.81	92487	11.79	107011	13.38
9M23726.D	AC50233-002(	30043	5.08	118721	6.12	67386	7.44	107473	8.81	82852	11.79	103874	13.38
9M23727.D	AC50199-004(	30307	5.08	121087	6.11	65029	7.44	107499	8.81	86640	11.81	107087	13.41
9M23728.D	AC50199-005	31499	5.08	128494	6.11	73106	7.44	119584	8.81	92142	11.80	110444	13.39
9M23729.D	AC50199-006	33237	5.08	134861	6.11	74530	7.44	119862	8.81	99275	11.80	118770	13.39
9M23730.D	AC50199-007(	30879	5.08	125638	6.11	71121	7.44	111801	8.81	92687	11.80	111198	13.40
9M23731.D	AC50233-001	26725	5.08	111813	6.11	65797	7.44	104157	8.81	83010	11.79	100784	13.38
9M23732.D	AC50233-004	25537	5.08	104311	6.11	59047	7.44	94274	8.81	78301	11.79	93185	13.38

I1 = 1.4-Dichlorobenzene-d4
I2 = Naphthalene-d8
I3 = Acenaphthene-d10
I4 = Phenanthrene-d10
I5 = Chrysene-d12
I6 = Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
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: 5M55988.D Method: EPA 8270C

Analysis Date/Time: 03/15/10 10:11

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:	35438	5.70	132292	6.72	73456	8.14	135807	9.59	115572	12.64	111814	14.25
Eval File Area Limit:	17719-70876		66146-264584		36728-146912		67904-271614		57786-231144		55907-223628	
Eval File Rt Limit:	5.2-6.2		6.22-7.22		7.64-8.64		9.09-10.09		12.14-13.14		13.75-14.75	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
5M55989.D	SMB4439	31231	5.70	119328	6.72	69832	8.13	127131	9.58	107730	12.64	102078	14.25
5M55990.D	SMB4439(MS.	36242	5.70	132696	6.72	79184	8.13	143326	9.59	116349	12.64	107841	14.25
5M55991.D	SMB4438	43239	5.70	164280	6.72	95227	8.13	168818	9.58	129948	12.64	114579	14.25
5M55992.D	AC50293-001(	35523	5.70	124851	6.72	65362	8.13	112957	9.58	96019	12.65	94418	14.26
5M55993.D	AC50293-011(	38532	5.70	148015	6.72	84929	8.13	137875	9.58	120552	12.66	123073	14.27
5M55994.D	AC50293-002(	34432	5.70	124261	6.72	66818	8.13	117791	9.59	98512	12.65	96890	14.26
5M55995.D	AC50293-003(	33229	5.70	120790	6.72	66307	8.13	111169	9.59	92034	12.65	93291	14.26
5M55996.D	SMB4438(MS.	38518	5.70	143480	6.72	85089	8.13	148110	9.58	107071	12.64	97542	14.25
5M55997.D	AC50293-006(	34947	5.70	123141	6.72	66475	8.13	117243	9.59	97264	12.65	97035	14.26
5M55998.D	AC50293-007(	35922	5.70	126802	6.72	74609	8.13	132011	9.58	100044	12.64	95793	14.26
5M55999.D	AC50293-008(	43971	5.70	165250	6.72	93096	8.13	171531	9.59	138904	12.65	134367	14.26
5M56000.D	AC50293-009(	36928	5.70	132044	6.72	71803	8.13	125549	9.58	98609	12.65	96135	14.26
5M56001.D	AC50293-010(	37877	5.70	141393	6.72	76748	8.13	128758	9.58	98790	12.65	94672	14.26
5M56002.D	AC50233-002(	39950	5.70	148308	6.72	86959	8.13	142200	9.58	90286	12.64	87440	14.25
5M56003.D	AC50233-002(	43433	5.71	159386	6.72	91796	8.13	145702	9.58	85234	12.64	81100	14.25
5M56004.D	AC50233-001	39213	5.70	148108	6.72	85617	8.13	143062	9.58	87971	12.64	84796	14.25
5M56005.D	AC50233-004	37760	5.70	143594	6.72	81911	8.13	135505	9.58	90906	12.64	84800	14.25
5M56006.D	OMB1368(MS	47179	5.71	172030	6.72	100295	8.13	158753	9.58	104061	12.64	99999	14.25
5M56007.D	OMB1368(MS	50084	5.71	182435	6.72	107902	8.13	173938	9.58	106490	12.64	101754	14.25
5M56008.D	OMB1368	46098	5.70	172393	6.72	96367	8.13	153486	9.58	99325	12.64	99173	14.25
5M56009.D	OMB1366	39940	5.70	150723	6.72	85190	8.13	141029	9.59	102943	12.64	101607	14.25
5M56010.D	OMB1366(MS	42465	5.70	156922	6.72	93508	8.13	153753	9.58	91127	12.64	87991	14.25
5M56011.D	AC50293-011(	48724	5.70	190388	6.72	107483	8.13	172914	9.59	145220	12.66	145787	14.28
5M56012.D	AC50293-011(	38863	5.70	155009	6.72	87794	8.13	143379	9.59	109251	12.66	109079	14.27
5M56013.D	AC50188-011	38310	5.70	131841	6.72	67945	8.13	108496	9.58	90136	12.65	80780	14.26
5M56014.D	AC50188-011(	38559	5.70	135121	6.72	73001	8.13	115530	9.58	101258	12.65	91146	14.26
5M56015.D	AC50188-011(	36352	5.71	128416	6.72	69141	8.13	113745	9.58	100428	12.65	80002	14.26
5M56016.D	AC50291-004	43231	5.70	155298	6.72	85940	8.13	137716	9.58	103230	12.64	97732	14.25
5M56017.D	AC50327-002	40947	5.70	153750	6.72	84710	8.13	135687	9.59	98115	12.65	97301	14.27
5M56018.D	AC50327-003	35177	5.70	130822	6.72	72902	8.13	118544	9.59	89254	12.64	85680	14.25
5M56019.D	AC50327-001(	38618	5.70	143454	6.72	84513	8.13	141610	9.58	101233	12.64	97298	14.26
5M56020.D	AC50126-016	41894	5.70	139912	6.72	68131	8.14	109825	9.59	89494	12.65	93034	14.28

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: 5M56022.D Method: EPA 8270C

Analysis Date/Time: 03/16/10 09:26

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:	29881	5.70	114120	6.71	65212	8.13	125256	9.58	116017	12.64	116522	14.25
Eval File Area Limit:	14940-59762		57060-228240		32606-130424		62628-250512		58008-232034		58261-233044	
Eval File Rt Limit:	5.2-6.2		6.21-7.21		7.63-8.63		9.08-10.08		12.14-13.14		13.75-14.75	

Data File	Sample	I1 Area	I1 RT	I2 Area	I2 RT	I3 Area	I3 RT	I4 Area	I4 RT	I5 Area	I5 RT	I6 Area	I6 RT
5M56023.D	SMB4441	30670	5.70	121912	6.71	74349	8.13	137422	9.58	125081	12.63	119986	14.24
5M56024.D	SMB4440	34833	5.70	134935	6.71	81003	8.13	147968	9.58	131333	12.63	122322	14.24
5M56025.D	SMB4441(MS.	30853	5.70	118502	6.71	73228	8.13	137605	9.58	123421	12.63	119532	14.24
5M56026.D	AC50327-003	33500	5.70	129246	6.71	77608	8.13	139238	9.58	110490	12.63	103614	14.24
5M56027.D	AC50327-001(	32930	5.70	129542	6.71	78101	8.13	142193	9.58	106785	12.63	102488	14.25
5M56028.D	AC50327-002(	32186	5.70	128890	6.71	78468	8.13	141160	9.58	102491	12.64	96938	14.25
5M56029.D	AC50233-002	29031	5.70	115404	6.71	69228	8.13	124801	9.58	93300	12.63	86842	14.24
5M56030.D	AC50282-001	26568	5.70	85726	6.71	47329	8.13	89918	9.59	88770	12.64	86132	14.25
5M56031.D	AC50173-005	30592	5.70	115298	6.71	68588	8.13	125702	9.58	93467	12.64	89461	14.25
5M56032.D	AC50165-009	33503	5.70	121163	6.71	69954	8.13	114494	9.58	90512	12.66	96990	14.30
5M56033.D	AC50173-003	32975	5.70	125422	6.71	74239	8.13	127488	9.58	97408	12.64	94654	14.25
5M56034.D	AC50254-002	30234	5.70	106735	6.71	64000	8.13	120103	9.58	97045	12.64	90552	14.25
5M56035.D	AC50254-003	31277	5.70	120547	6.71	72276	8.13	132703	9.58	104764	12.63	94656	14.25
5M56036.D	AC50254-004	25735	5.70	87358	6.71	57132	8.13	106059	9.58	99135	12.63	92387	14.24
5M56037.D	AC50254-005	27726	5.71	75194	6.72	65736	8.13	124020	9.58	114954	12.64	108861	14.24
5M56038.D	AC50199-004(	32495	5.70	122292	6.71	68427	8.13	115838	9.58	100208	12.64	102339	14.25
5M56039.D	AC50199-005	29583	5.70	117885	6.71	70044	8.13	124432	9.58	98098	12.64	95477	14.25
5M56040.D	AC50313-012	28489	5.70	109214	6.71	65447	8.13	118363	9.58	93587	12.63	88217	14.24
5M56041.D	AC50313-014	29018	5.70	112925	6.71	67170	8.13	122544	9.58	99188	12.63	91484	14.24
5M56042.D	AC50313-015	28685	5.70	110943	6.71	65359	8.13	121560	9.58	95779	12.63	87119	14.24
5M56043.D	AC50313-016	30888	5.70	120338	6.71	70183	8.13	120389	9.58	89313	12.64	86880	14.25
5M56044.D	AC50313-017	30532	5.70	117717	6.71	69510	8.13	123252	9.58	93114	12.63	86968	14.24
5M56045.D	AC50313-018	31658	5.70	121666	6.71	70880	8.13	124542	9.58	94584	12.63	89330	14.25
5M56046.D	AC50313-019	30579	5.70	118139	6.71	70121	8.13	125743	9.58	97263	12.63	92070	14.24
5M56047.D	AC50165-004(	31022	5.70	120699	6.71	70837	8.13	119072	9.58	86670	12.64	88231	14.26
5M56048.D	AC50173-002(	31730	5.70	120756	6.71	72895	8.13	130836	9.58	94960	12.63	91515	14.25

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: AC50199-001(2X)
Client Id: PI-01-TP-RAS1030410SO1
Data File: 9M23666.D
Analysis Date: 03/10/10 16:59
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.18	U
122-66-7	1,2-Diphenylhydrazine	0.18	U
95-95-4	2,4,5-Trichlorophenol	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.18	U
120-83-2	2,4-Dichlorophenol	0.18	U
105-67-9	2,4-Dimethylphenol	0.18	U
51-28-5	2,4-Dinitrophenol	0.90	U
121-14-2	2,4-Dinitrotoluene	0.18	U
606-20-2	2,6-Dinitrotoluene	0.18	U
91-58-7	2-Chloronaphthalene	0.18	U
95-57-8	2-Chlorophenol	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.18**	**0.67**
95-48-7	2-Methylphenol	0.18	U
88-74-4	2-Nitroaniline	0.18	U
88-75-5	2-Nitrophenol	0.18	U
106-44-5	3&4-Methylphenol	0.18	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U
99-09-2	3-Nitroaniline	0.18	U
534-52-1	4,6-Dinitro-2-methylphenol	0.90	U
101-55-3	4-Bromophenyl-phenylether	0.18	U
59-50-7	4-Chloro-3-methylphenol	0.18	U
106-47-8	4-Chloroaniline	0.18	U
7005-72-3	4-Chlorophenyl-phenylether	0.18	U
100-01-6	4-Nitroaniline	0.18	U
100-02-7	4-Nitrophenol	0.18	U
83-32-9	**Acenaphthene**	**0.18**	**0.35**
208-96-8	Acenaphthylene	0.18	U
62-53-3	Aniline	0.18	U
120-12-7	**Anthracene**	**0.18**	**0.56**
92-87-5	Benzidine	0.90	U
56-55-3	**Benzo[a]anthracene**	**0.18**	**0.63**
50-32-8	**Benzo[a]pyrene**	**0.18**	**0.50**
205-99-2	**Benzo[b]fluoranthene**	**0.18**	**0.30**
191-24-2	**Benzo[g,h,i]perylene**	**0.18**	**0.36**
207-08-9	Benzo[k]fluoranthene	0.18	U
65-85-0	Benzoic Acid	0.90	U
111-91-1	bis(2-Chloroethoxy)methan	0.18	U
111-44-4	bis(2-Chloroethyl)ether	0.18	U
108-60-1	bis(2-chloroisopropyl)ether	0.18	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.18	U
85-68-7	Butylbenzylphthalate	0.18	U
86-74-8	Carbazole	0.18	U
218-01-9	**Chrysene**	**0.18**	**0.97**
53-70-3	Dibenzo[a,h]anthracene	0.18	U
132-64-9	Dibenzofuran	0.18	U
84-66-2	Diethylphthalate	0.18	U
131-11-3	Dimethylphthalate	0.18	U
84-74-2	Di-n-butylphthalate	0.18	U
117-84-0	Di-n-octylphthalate	0.18	U
206-44-0	**Fluoranthene**	**0.18**	**0.50**
86-73-7	**Fluorene**	**0.18**	**0.36**
118-74-1	Hexachlorobenzene	0.18	U
87-68-3	Hexachlorobutadiene	0.18	U
77-47-4	Hexachlorocyclopentadiene	0.90	U
67-72-1	Hexachloroethane	0.18	U
193-39-5	**Indeno[1,2,3-cd]pyrene**	**0.18**	**0.21**
78-59-1	Isophorone	0.18	U
91-20-3	Naphthalene	0.18	U
98-95-3	Nitrobenzene	0.18	U
62-75-9	N-Nitrosodimethylamine	0.18	U
621-64-7	N-Nitroso-di-n-propylamine	0.18	U
86-30-6	n-Nitrosodiphenylamine	0.18	U
87-86-5	Pentachlorophenol	0.90	U
85-01-8	**Phenanthrene**	**0.18**	**1.4**
108-95-2	Phenol	0.18	U
129-00-0	**Pyrene**	**0.18**	**1.9**

Worksheet #: 145370

Total Target Concentration 8.7

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: AC50199-001(2X)
Client Id: PI-01-TP-RAS1030410
Data File: 9M23666.D
Analysis Date: 03/10/10 16:59
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 74
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.54	280 JAB
2	575-43-9	Naphthalene, 1,6-dimethyl-	7.18	2.0 J
3	581-40-8	Naphthalene, 2,3-dimethyl-	7.24	2.2 J
4	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.60	2.1 J
5	2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.78	1.9 J
6	629-50-5	Tridecane	8.10	2.0 J
7	1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	8.35	3.6 J
8	613-33-2	1,1'-Biphenyl, 4,4'-dimethyl-	8.53	2.0 J
9	16587-52-3	Dibenzothiophene, 3-methyl-	9.24	3.1 J
10	613-12-7	Anthracene, 2-methyl-	9.42	3.4 J
11	613-12-7	Anthracene, 2-methyl-	9.45	2.6 J
12	832-64-4	Phenanthrene, 4-methyl-	9.54	3.2 J
13	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.92	2.8 J
14	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.96	3.0 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.04	6.6 J
16	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.08	3.0 J
17	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.13	2.6 J
18	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.28	2.6 J
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.52	2.8 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.56	4.2 J
21		unknown	10.73	1.9 J
22		unknown	10.86	2.9 J
23	2381-21-7	Pyrene, 1-methyl-	11.09	2.0 J
24	64401-21-4	Pyrene, 1,3-dimethyl-	11.58	2.1 J
25	84258-70-8	6-Methylbenzo[b]naphtho[1,2-d]thiophen	12.00	1.8 J

Worksheet #: 145370

Total Tentatively Identified Concentration 350

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.

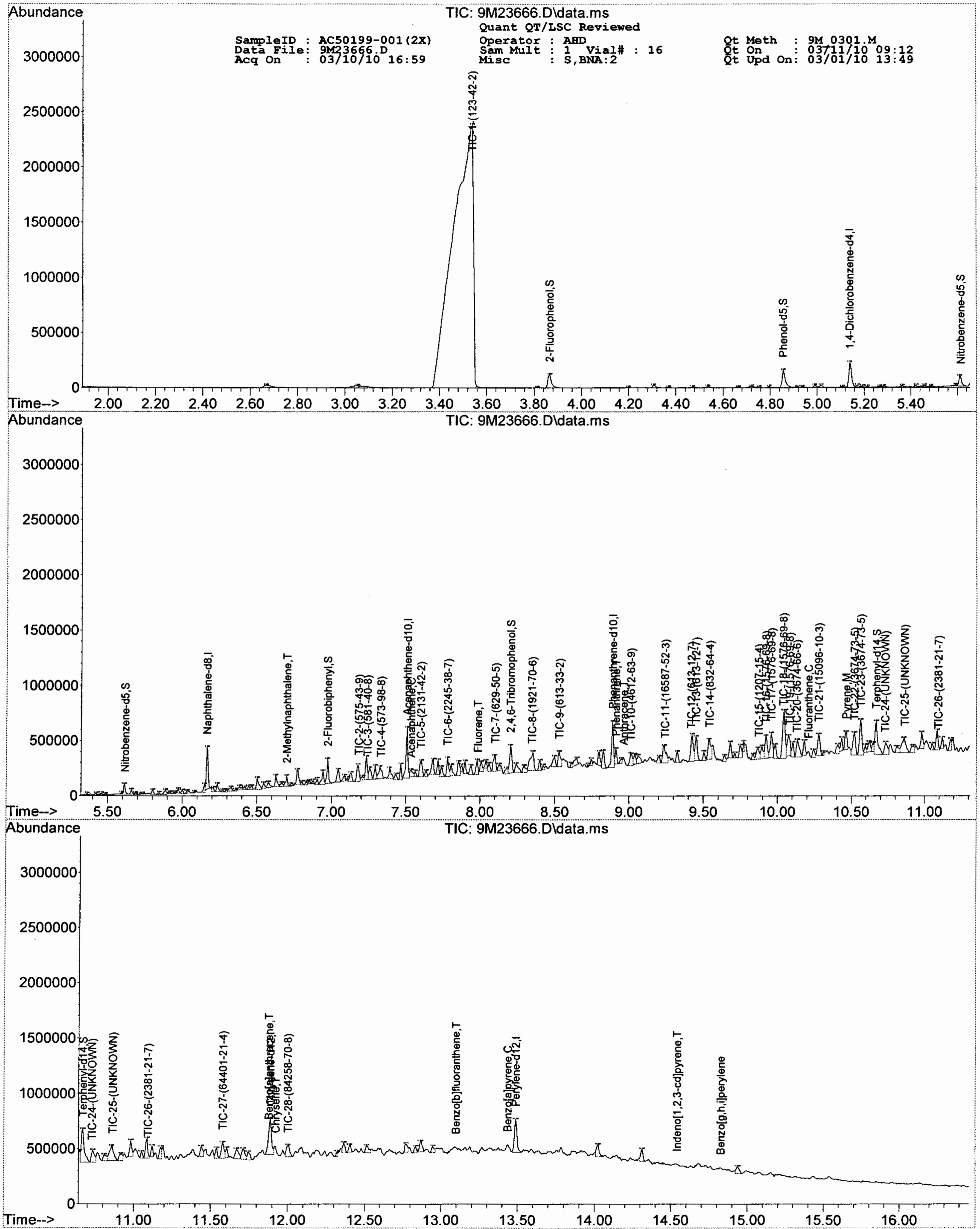
Quantitation Report (QT/LSC Reviewed)

SampleID : AC50199-001(2X)   Operator : AHD   Qt Meth : 9M_0301.M
Data File: 9M23666.D   Sam Mult : 1 Vial# : 16   Qt On : 03/11/10 09:12
Acq On : 03/10/10 16:59   Misc : S,BNA:2   Qt Upd On: 03/01/10 13:49

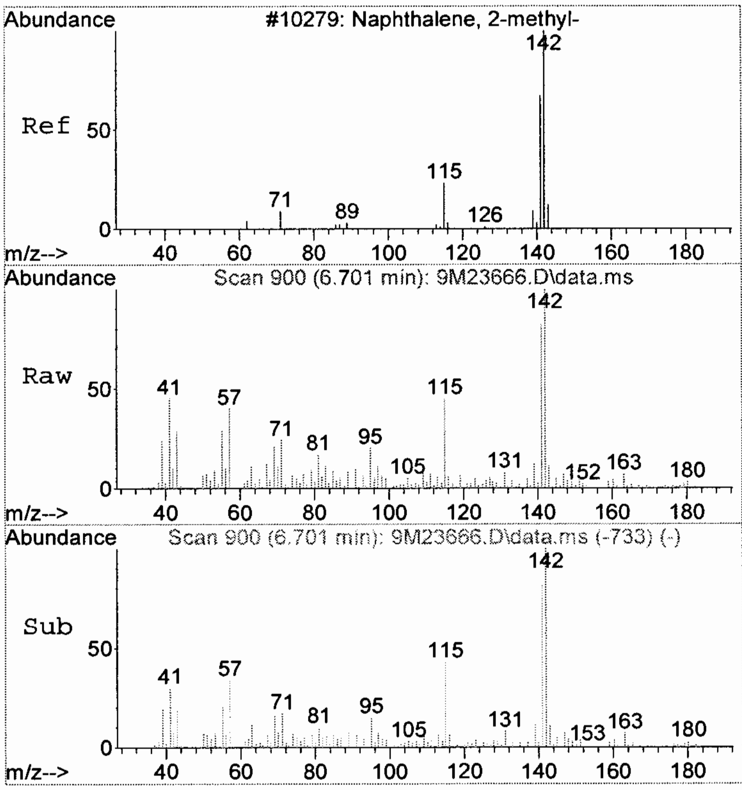
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.139	152	25794	40.00 ng	-0.13
29) Naphthalene-d8	6.166	136	113641	40.00 ng	-0.13
47) Acenaphthene-d10	7.508	164	67164	40.00 ng	-0.14
73) Phenanthrene-d10	8.888	188	113496	40.00 ng	-0.15
87) Chrysene-d12	11.889	240	100896	40.00 ng	-0.17
102) Perylene-d12	13.488	264	102873	40.00 ng	-0.17
System Monitoring Compounds					
10) 2-Fluorophenol	3.866	112	31836	45.90 ng	-0.14
Spiked Amount 100.000			Recovery =	45.90%	
15) Phenol-d5	4.855	99	43825	48.46 ng	-0.12
Spiked Amount 100.000			Recovery =	48.46%	
30) Nitrobenzene-d5	5.615	128	9921	20.83 ng	-0.12
Spiked Amount 50.000			Recovery =	41.66%	
52) 2-Fluorobiphenyl	6.973	172	44351	19.30 ng	-0.12
Spiked Amount 50.000			Recovery =	38.60%	
76) 2,4,6-Tribromophenol	8.204	330	15610	73.99 ng	-0.15
Spiked Amount 100.000			Recovery =	73.99%	
90) Terphenyl-d14	10.669	244	63615	21.97 ng	-0.16
Spiked Amount 50.000			Recovery =	43.94%	
Target Compounds					Qvalue
44) 2-Methylnaphthalene	6.701	142	14631	7.41 ng	96
61) Acenaphthene	7.535	153	7810	3.91 ng	83
68) Fluorene	7.984	166	8964	4.04 ng	83
82) Phenanthrene	8.910	178	50901	15.40 ng	94
83) Anthracene	8.963	178	21133	6.23 ng	75
86) Fluoranthene	10.209	202	20160	5.60 ng	89
88) Pyrene	10.466	202	86166	21.22 ng	90
99) Benzo[a]anthracene	11.878	228	25724	7.02 ng	90
100) Chrysene	11.921	228	37664	10.74 ng	89
104) Benzo[b]fluoranthene	13.098	252	11384m	3.32 ng	
106) Benzo[a]pyrene	13.435	252	17932	5.60 ng	81
107) Indeno[1,2,3-cd]pyrene	14.542	276	7498m	2.32 ng	
109) Benzo[g,h,i]perylene	14.825	276	11107	3.95 ng	86
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.139		178133	40.00 ng	--
2) Naphthalene-d8	6.166		284858m	40.00 ng	--
3) Acenaphthene-d10	7.508		309237m	40.00 ng	--
4) Phenanthrene-d10	8.888		299879m	40.00 ng	--
5) Chrysene-d12	11.889		307971m	40.00 ng	--
6) Perylene-d12	13.488		344592	40.00 ng	--
Library Search Compounds					
1) 123-42-2	3.540		13797614	3098.27 ng	72
2) 575-43-9	7.180		174879	22.62 ng	96
3) 581-40-8	7.240		186351	24.10 ng	97
4) 573-98-8	7.330		151749	19.63 ng	96
5) 2131-42-2	7.600		177144	22.91 ng	89
6) 2245-38-7	7.780		161284	20.86 ng	97
7) 629-50-5	8.100		171191	22.14 ng	89
8) 1921-70-6	8.350		295717	39.44 ng	91
9) 613-33-2	8.530		164377	21.93 ng	64
10) 4612-63-9	9.010		148403	19.80 ng	87
11) 16587-52-3	9.240		255600	34.09 ng	93
12) 613-12-7	9.420		283763	37.85 ng	90
13) 613-12-7	9.450		213408	28.47 ng	93
14) 832-64-4	9.540		266396	35.53 ng	70
15) 1207-15-4	9.870		147936	19.73 ng	90
16) 1576-69-8	9.920		230734	30.78 ng	94
17) 1576-69-8	9.960		251593	33.56 ng	93
18) 1576-69-8	10.040		546478	72.89 ng	97
19) 1576-69-8	10.080		246308	32.85 ng	81
20) 3674-66-6	10.130		216598	28.89 ng	93
21) 15096-10-3	10.280		220097	29.36 ng	53
22) 3674-73-5	10.520		242741	31.53 ng	90
23) 3674-73-5	10.560		357299	46.41 ng	89
24) UNKNOWN	10.730		164680	21.39 ng	--
25) UNKNOWN	10.860		250456	32.53 ng	--
26) 2381-21-7	11.090		173338	22.51 ng	89
27) 64401-21-4	11.580		183047	23.77 ng	95
28) 84258-70-8	12.000		156696	20.35 ng	78

lle



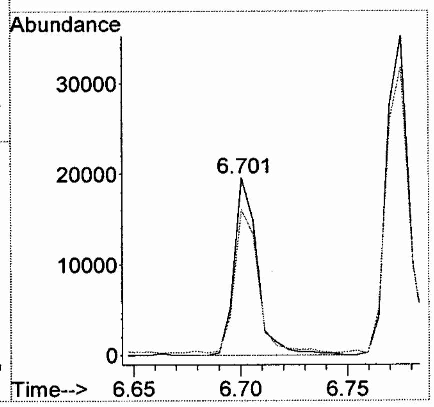
Abundance
TIC: 9M23666.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-001(2X)
Data File: 9M23666.D
Acq On : 03/10/10 16:59
Operator : AHD
Sam Mult : 1 Vial# : 16
Misc : S,BNA:2
Qt Meth : 9M_0301.M
Qt On : 03/11/10 09:12
Qt Upd On: 03/01/10 13:49
TIC-1-(123-42-2)
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->
Abundance
TIC: 9M23666.D\data.ms
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
TIC-2-(575-43-9)
TIC-3-(581-40-8)
TIC-4-(573-98-8)
Acenaphthene-d10,I
Acenaphthene,T
TIC-5-(2131-42-2)
TIC-6-(2245-38-7)
Fluorene,T
TIC-7-(629-50-5)
2,4,6-Tribromophenol,S
TIC-8-(1921-70-6)
TIC-9-(613-33-2)
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
TIC-10-(4612-63-9)
TIC-11-(16587-52-3)
TIC-14-(832-64-4)
Fluoranthene,C
TIC-21-(15096-10-3)
Pyrene,M
Terphenyl-d14,S
TIC-24-(UNKNOWN)
TIC-25-(UNKNOWN)
TIC-26-(2381-21-7)
Time-->
Abundance
TIC: 9M23666.D\data.ms
Terphenyl-d14,S
TIC-24-(UNKNOWN)
TIC-25-(UNKNOWN)
TIC-26-(2381-21-7)
TIC-27-(64401-21-4)
Chrysene,T
TIC-28-(84258-70-8)
Benzo[b]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

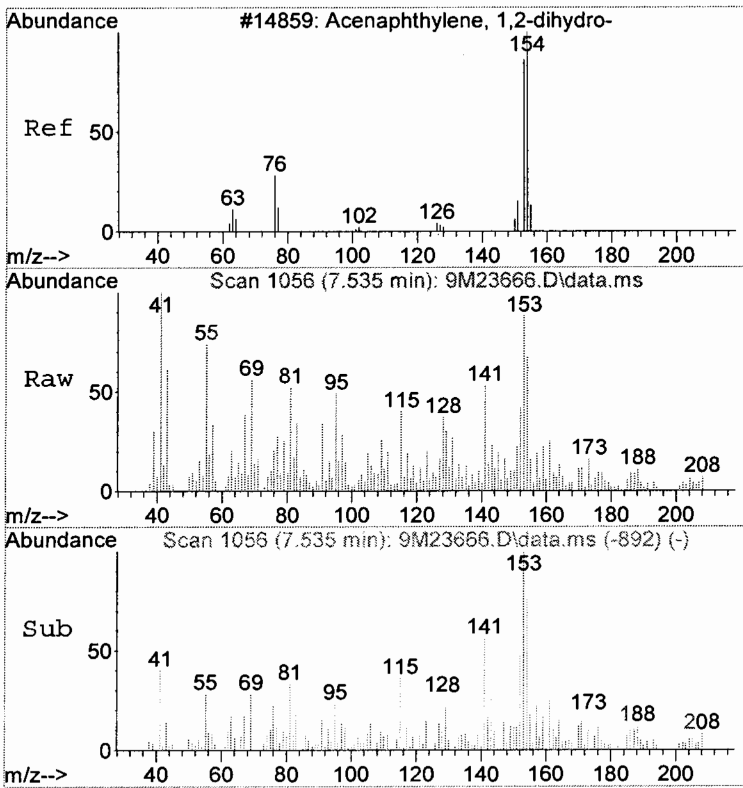


#44
2-Methylnaphthalene
Concen: 7.41 ng
RT: 6.701 min Scan# 900
Delta R.T. -0.121 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:142 Resp: 14631

Ion	Ratio	Lower	Upper
142	100		
141	80.5	44.6	124.6

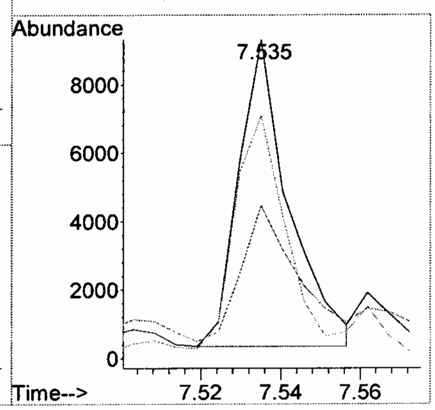


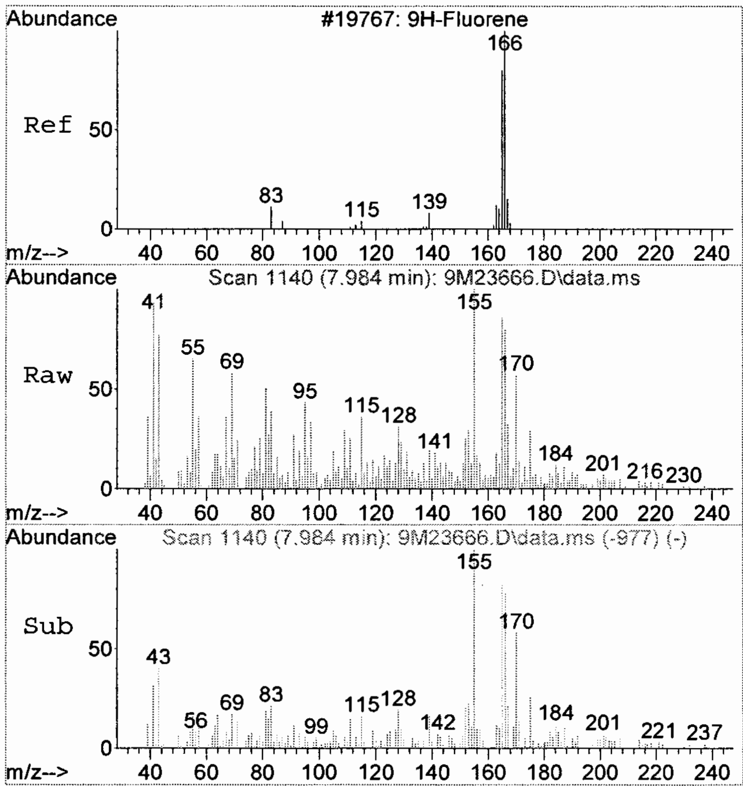


#61
Acenaphthene
Concen: 3.91 ng
RT: 7.535 min Scan# 1056
Delta R.T. -0.137 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:153 Resp: 7810

Ion	Ratio	Lower	Upper
153	100		
152	44.2	10.0	90.0
154	76.1	57.5	137.5

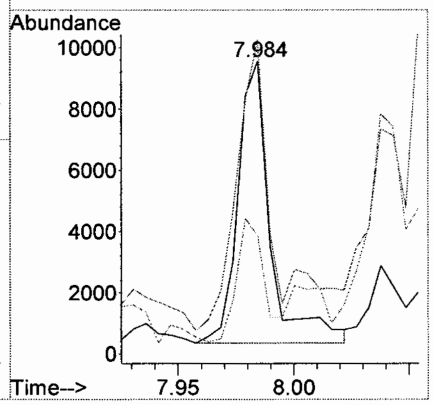


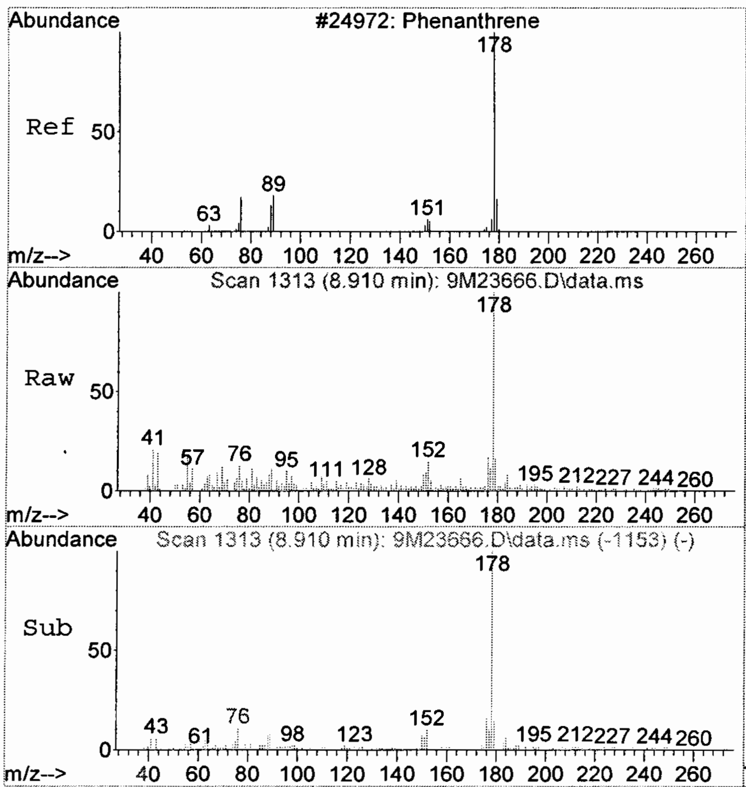


#68
Fluorene
Concen: 4.04 ng
RT: 7.984 min Scan# 1140
Delta R.T. -0.143 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:166 Resp: 8964

Ion	Ratio	Lower	Upper
166	100		
165	102.9	0.0	292.6
167	36.0	0.0	213.2

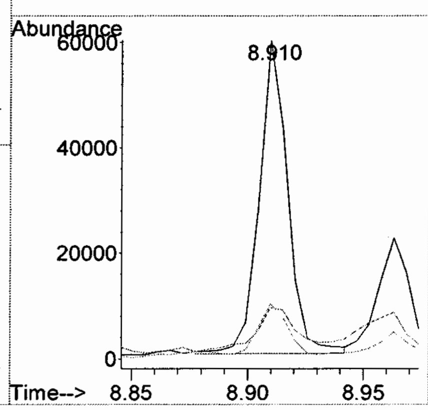


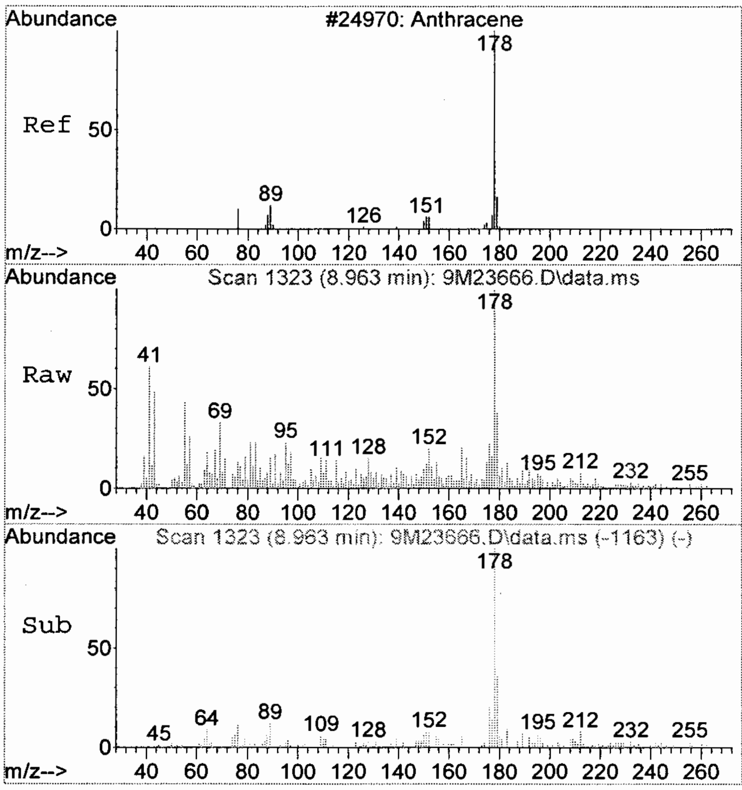


#82
Phenanthrene
Concen: 15.40 ng
RT: 8.910 min Scan# 1313
Delta R.T. -0.159 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:178 Resp: 50901

Ion	Ratio	Lower	Upper
178	100		
179	14.2	0.0	55.5
176	15.6	0.0	59.3

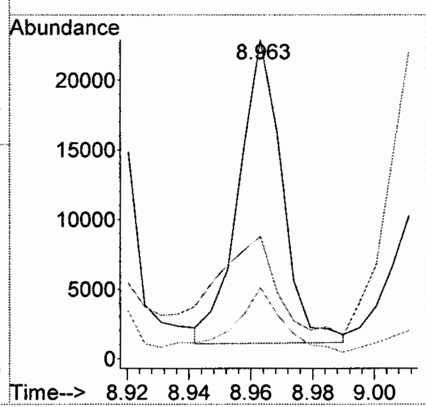


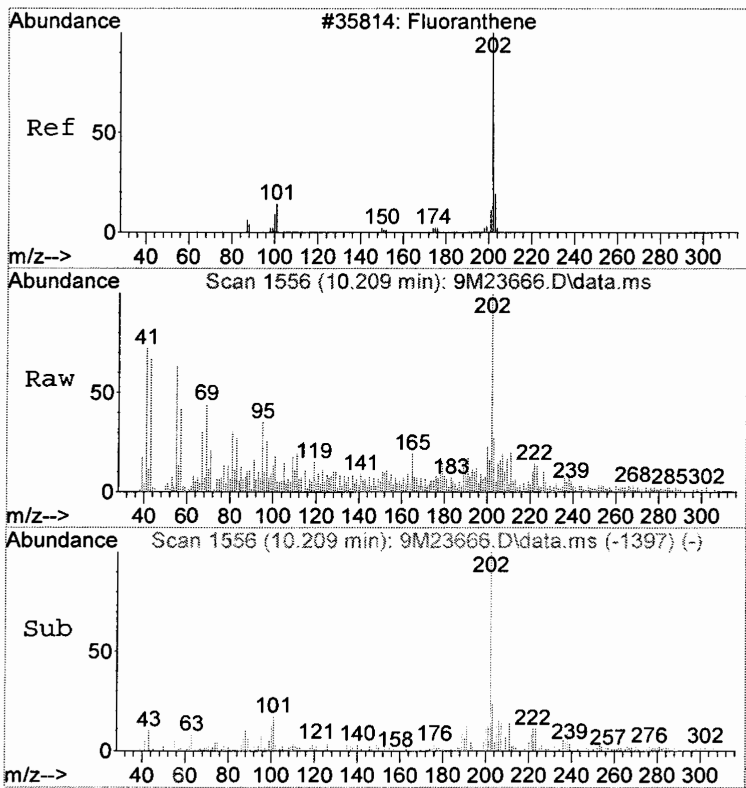


#83
Anthracene
Concen: 6.23 ng
RT: 8.963 min Scan# 1323
Delta R.T. -0.159 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:178 Resp: 21133

Ion	Ratio	Lower	Upper
178	100		
179	33.8	0.0	55.2
176	21.9	0.0	58.1

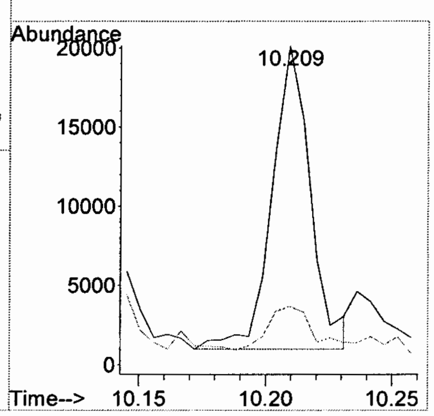


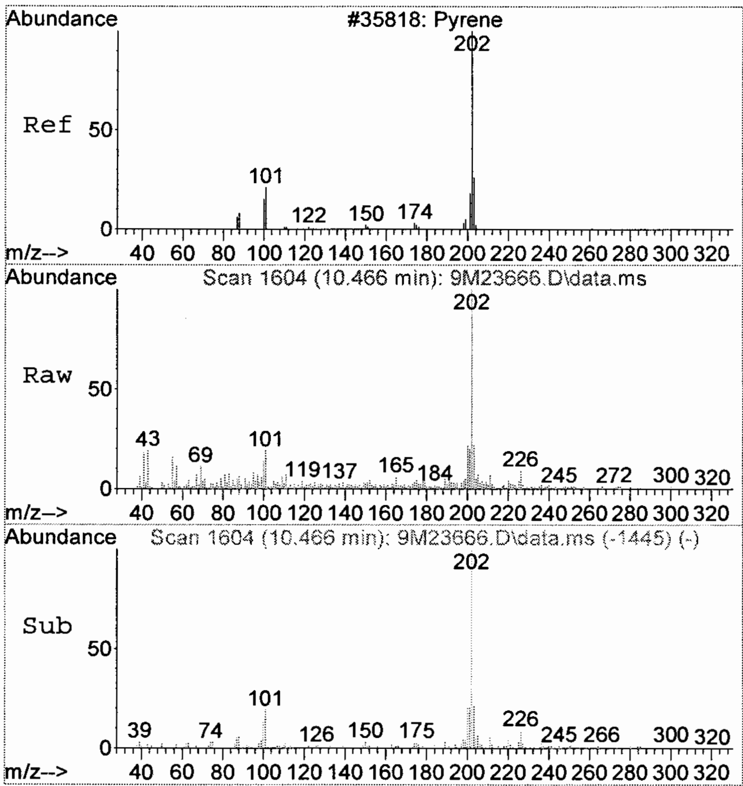


#86
Fluoranthene
Concen: 5.60 ng
RT: 10.209 min Scan# 1556
Delta R.T. -0.164 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:202 Resp: 20160

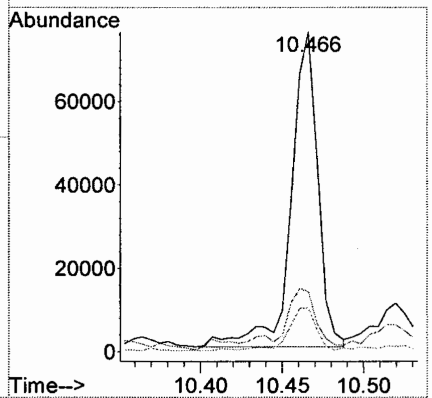
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	57.6

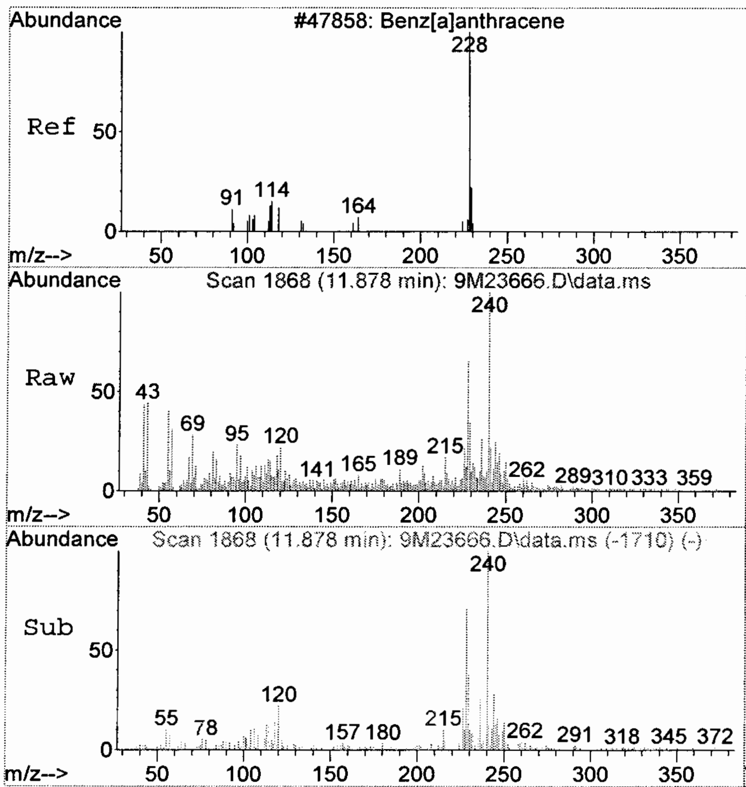




#88
Pyrene
Concen: 21.22 ng
RT: 10.466 min Scan# 1604
Delta R.T. -0.164 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

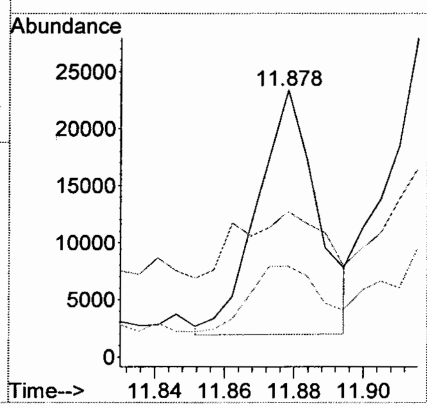
Tgt Ion:202	Resp:		86166
Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	62.2
100	13.3	0.0	57.8

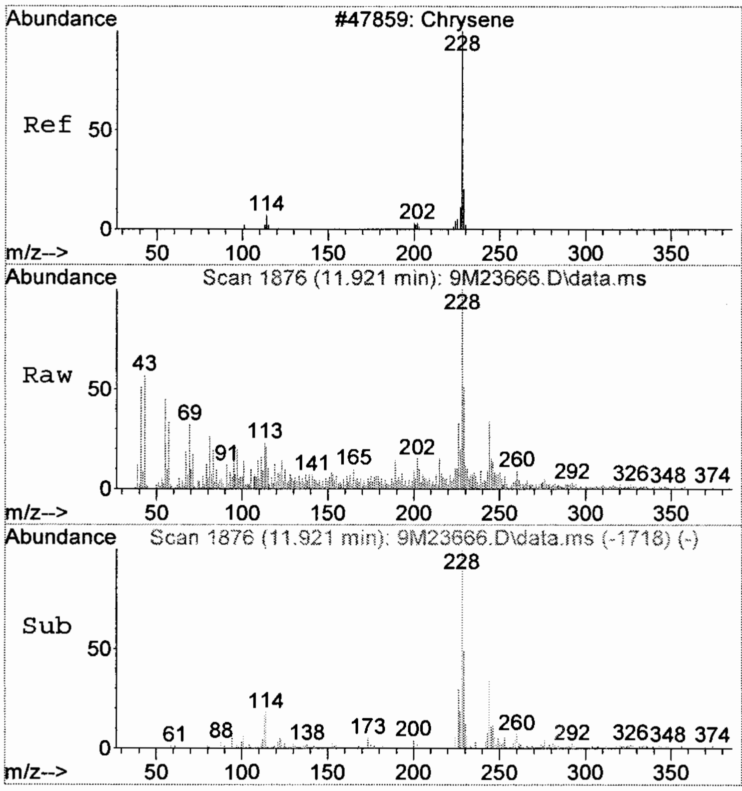




#99
Benzo[a]anthracene
Concen: 7.02 ng
RT: 11.878 min Scan# 1868
Delta R.T. -0.169 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

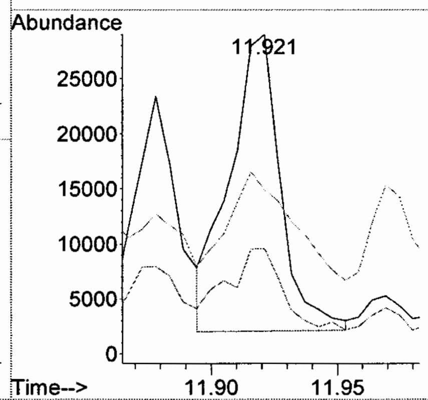
Tgt Ion:228	Resp:		25724
Ion	Ratio	Lower	Upper
228	100		
229	28.2	0.0	59.5
226	27.7	0.0	66.0

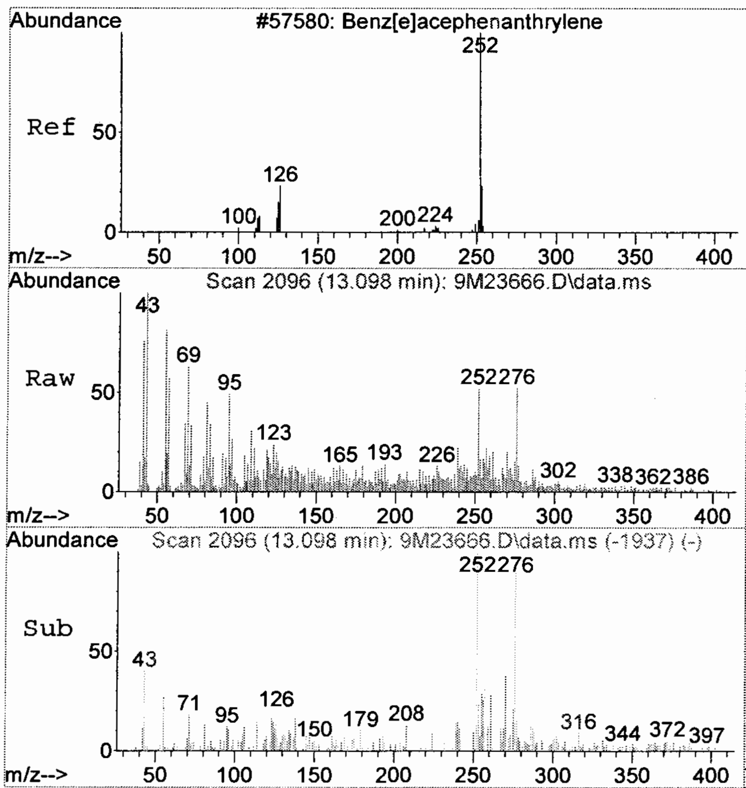




#100
Chrysene
Concen: 10.74 ng
RT: 11.921 min Scan# 1876
Delta R.T. -0.169 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

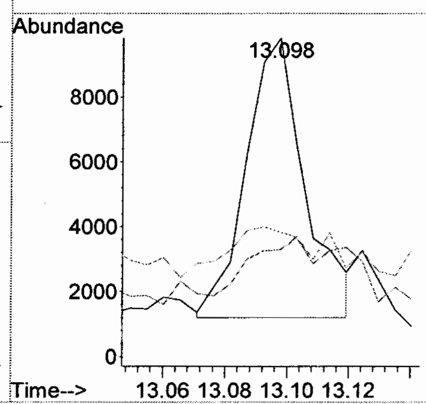
Tgt	Ion:228	Resp:	37664
Ion	Ratio	Lower	Upper
228	100		
226	28.6	9.5	49.5
229	31.6	0.0	60.2

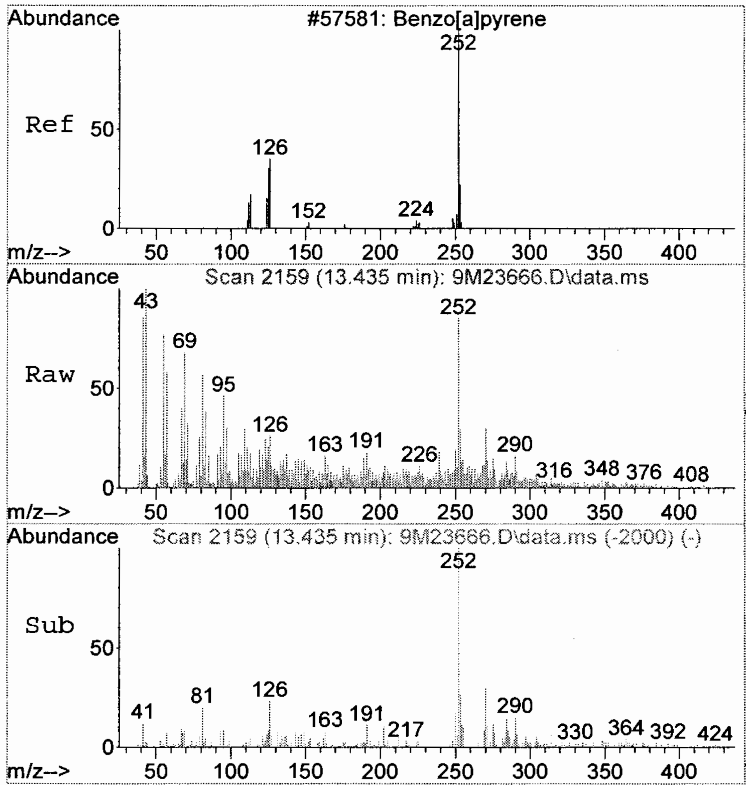




#104
Benzo[b]fluoranthene
Concen: 3.32 ng m
RT: 13.098 min Scan# 2096
Delta R.T. -0.164 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt	Ion:252	Resp:	11384
Ion	Ratio	Lower	Upper
252	100		
253	33.4	0.0	62.3
125	39.1	0.0	58.4

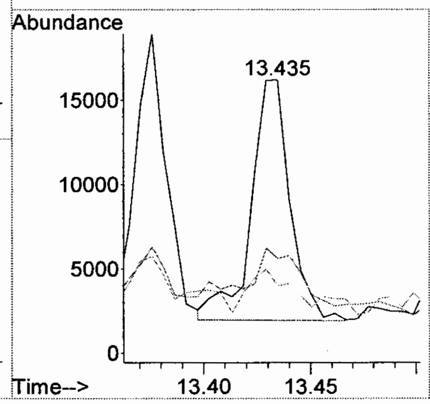


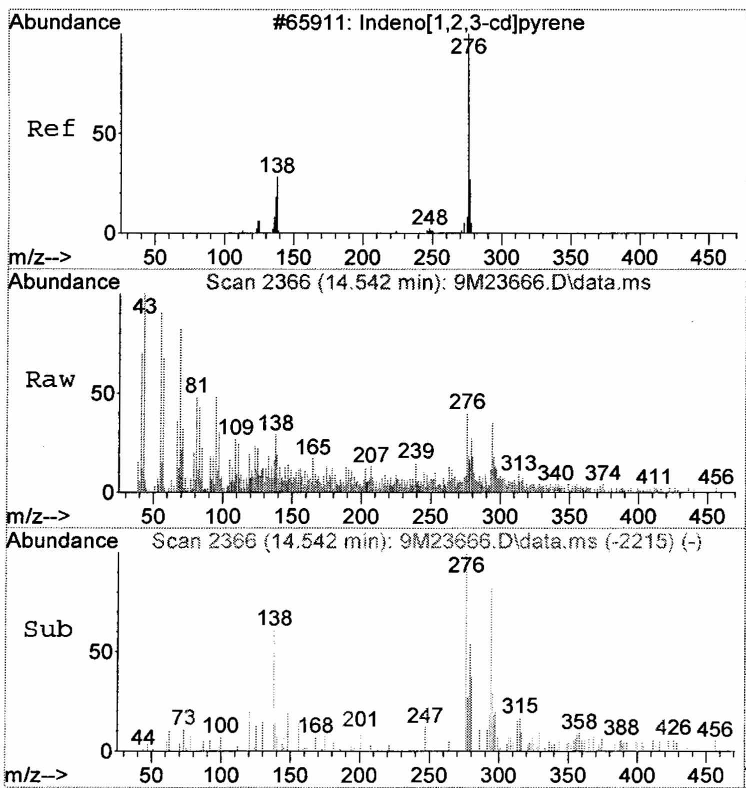


#106
Benzo[a]pyrene
Concen: 5.60 ng
RT: 13.435 min Scan# 2159
Delta R.T. -0.164 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:252 Resp: 17932

Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	62.4
125	5.6	0.0	60.9

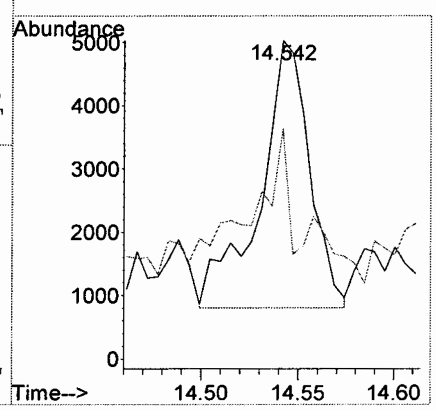


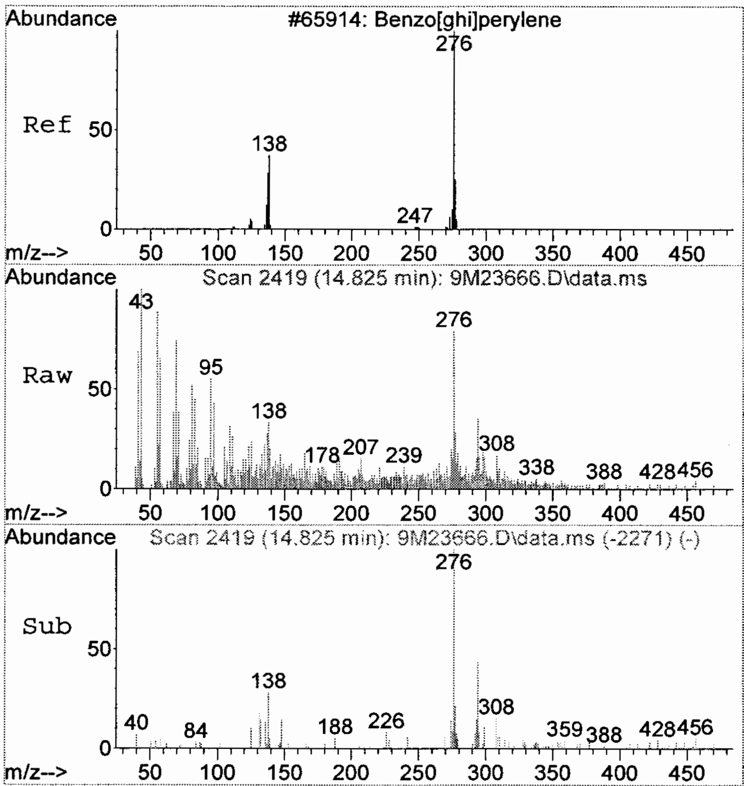


#107
Indeno[1,2,3-cd]pyrene
Concen: 2.32 ng m
RT: 14.542 min Scan# 2366
Delta R.T. -0.207 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:276 Resp: 7498

Ion	Ratio	Lower	Upper
276	100		
138	72.3	0.0	78.9

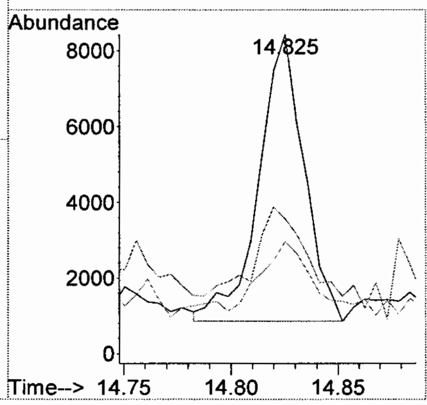




#109
Benzo[g,h,i]perylene
Concen: 3.95 ng
RT: 14.825 min Scan# 2419
Delta R.T. -0.223 min
Lab File: 9M23666.D
Acq: 10 Mar 2010 16:59

Tgt Ion:276 Resp: 11107

Ion	Ratio	Lower	Upper
276	100		
138	44.5	0.0	140.0
277	32.9	0.0	120.0



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23666.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.668	138	146	158	rBV3	22107	51133	0.37%	0.159%
2	3.053	211	218	219	rBV4	17347	35182	0.25%	0.109%
3	3.540	276	309	312	rBV	2379958	13797614	100.00%	42.859%
4	3.812	356	360	366	rVB2	3452	5192	0.04%	0.016%
5	3.866	366	370	384	rBV	117119	125652	0.91%	0.390%
6	4.198	429	432	436	rBV	5246	6025	0.04%	0.019%
7	4.305	450	452	460	rBV	22220	24397	0.18%	0.076%
8	4.369	460	464	470	rVB4	4344	5782	0.04%	0.018%
9	4.470	479	483	489	rVB3	7599	10760	0.08%	0.033%
10	4.535	489	495	503	rBV3	12911	16355	0.12%	0.051%
11	4.663	515	519	523	rVB3	3753	5224	0.04%	0.016%
12	4.722	523	530	533	rBV3	12929	18803	0.14%	0.058%
13	4.754	533	536	540	rVB3	7070	8849	0.06%	0.027%
14	4.797	540	544	548	rBV2	9542	10213	0.07%	0.032%
15	4.855	552	555	564	rVB	155003	143643	1.04%	0.446%
16	4.914	564	566	568	rVV2	5283	5628	0.04%	0.017%
17	4.936	568	570	577	rVB5	6920	7646	0.06%	0.024%
18	4.989	577	580	583	rBV	17261	16769	0.12%	0.052%
19	5.016	583	585	588	rVB	20013	15256	0.11%	0.047%
20	5.107	598	602	605	rBV3	5629	7711	0.06%	0.024%
21	5.139	605	608	612	rVV	225841	182050	1.32%	0.565%
22	5.171	612	614	616	rVV2	17953	12831	0.09%	0.040%
23	5.192	616	618	620	rVB2	9642	6468	0.05%	0.020%
24	5.214	620	622	625	rBV4	7704	5569	0.04%	0.017%
25	5.267	628	632	633	rBV3	7119	7499	0.05%	0.023%
26	5.283	633	635	641	rVB5	12057	14079	0.10%	0.044%
27	5.364	648	650	652	rBV2	10338	7559	0.05%	0.023%
28	5.422	658	661	662	rBV	15127	11559	0.08%	0.036%
29	5.460	662	668	671	rVV6	15100	22311	0.16%	0.069%
30	5.487	671	673	677	rVB4	9121	10842	0.08%	0.034%
31	5.594	690	693	694	rBV2	10492	7083	0.05%	0.022%
32	5.610	694	696	703	rVB	91806	78579	0.57%	0.244%
33	5.658	703	705	708	rBV	43790	30378	0.22%	0.094%
34	5.684	708	710	713	rVB3	14359	12479	0.09%	0.039%
35	5.711	713	715	717	rBV3	7106	6119	0.04%	0.019%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	5.733	717	719	724	rBV5	5138	8841	0.06%	0.027%
37	5.802	729	732	736	rVB4	37617	33663	0.24%	0.105%
38	5.845	736	740	743	rVB4	16976	15423	0.11%	0.048%
39	5.888	743	748	750	rBV4	38543	44107	0.32%	0.137%
40	5.920	750	754	756	rVB4	14204	18971	0.14%	0.059%
41	5.952	756	760	761	rBV4	14226	15022	0.11%	0.047%
42	5.973	761	764	766	rBV3	36645	27897	0.20%	0.087%
43	6.000	766	769	773	rVB4	27499	25203	0.18%	0.078%
44	6.032	773	775	776	rBV2	21493	16863	0.12%	0.052%
45	6.080	782	784	785	rBV2	10216	6854	0.05%	0.021%
46	6.150	792	797	798	rBV2	75100	64257	0.47%	0.200%
47	6.166	798	800	804	rVB	375193	307846	2.23%	0.956%
48	6.209	806	808	810	rVB2	34638	26299	0.19%	0.082%
49	6.235	810	813	818	rBV3	69591	55531	0.40%	0.172%
50	6.273	818	820	822	rVB2	18790	12270	0.09%	0.038%
51	6.294	822	824	826	rBV2	19825	20550	0.15%	0.064%
52	6.326	826	830	834	rVB7	33092	43565	0.32%	0.135%
53	6.358	834	836	838	rBV3	13383	12766	0.09%	0.040%
54	6.385	838	841	843	rBV3	33332	34492	0.25%	0.107%
55	6.417	845	847	850	rVB4	19980	21135	0.15%	0.066%
56	6.444	850	852	854	rBV2	30490	25083	0.18%	0.078%
57	6.465	854	856	859	rVB4	28647	26050	0.19%	0.081%
58	6.503	861	863	869	rBV4	98885	110618	0.80%	0.344%
59	6.546	869	871	875	rVV4	46413	48947	0.35%	0.152%
60	6.578	875	877	882	rVB6	43227	49178	0.36%	0.153%
61	6.626	883	886	890	rBV4	96105	84065	0.61%	0.261%
62	6.669	891	894	896	rVV4	31646	37638	0.27%	0.117%
63	6.701	896	900	902	rVB3	92277	77498	0.56%	0.241%
64	6.722	902	904	906	rBV2	17635	11744	0.09%	0.036%
65	6.744	906	908	909	rBV2	11233	5548	0.04%	0.017%
66	6.770	911	913	917	rBV	128728	127012	0.92%	0.395%
67	6.802	917	919	922	rVB3	27091	19732	0.14%	0.061%
68	6.834	922	925	926	rBV3	27760	25413	0.18%	0.079%
69	6.850	926	928	930	rVV3	26909	21512	0.16%	0.067%
70	6.877	930	933	935	rVV3	29651	21385	0.15%	0.066%
71	6.904	935	938	940	rVB4	54532	42741	0.31%	0.133%
72	6.941	940	945	948	rBV4	123057	129113	0.94%	0.401%
73	6.973	948	951	956	rVB	216693	161506	1.17%	0.502%
74	7.043	960	964	967	rBV2	109512	117411	0.85%	0.365%
75	7.086	967	972	974	rVV4	52203	53964	0.39%	0.168%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

76	7.107	974	976	977	rVV2	29503	17556	0.13%	0.055%
77	7.129	977	980	984	rVB2	78420	89286	0.65%	0.277%
78	7.177	984	989	992	rBV	149515	174879	1.27%	0.543%
79	7.209	992	995	997	rVV4	29484	35763	0.26%	0.111%
80	7.236	997	1000	1002	rVV	206952	186351	1.35%	0.579%
81	7.257	1002	1004	1008	rVV3	100350	113576	0.82%	0.353%
82	7.294	1008	1011	1013	rVV	116887	97198	0.70%	0.302%
83	7.327	1013	1017	1022	rVB3	104227	151749	1.10%	0.471%
84	7.391	1025	1029	1034	rBV3	89114	97575	0.71%	0.303%
85	7.433	1034	1037	1040	rVB4	48386	51295	0.37%	0.159%
86	7.466	1040	1043	1045	rBV	139075	95958	0.70%	0.298%
87	7.508	1045	1051	1054	rBV	452550	410600	2.98%	1.275%
88	7.535	1054	1056	1060	rVV4	56383	78580	0.57%	0.244%
89	7.562	1060	1061	1064	rVB2	49737	32591	0.24%	0.101%
90	7.605	1064	1069	1072	rBV2	142055	177144	1.28%	0.550%
91	7.637	1072	1075	1077	rBV2	48473	45984	0.33%	0.143%
92	7.685	1079	1084	1087	rVB3	131140	143039	1.04%	0.444%
93	7.717	1087	1090	1092	rVB	130013	92749	0.67%	0.288%
94	7.738	1092	1094	1099	rVB4	85505	88323	0.64%	0.274%
95	7.781	1099	1102	1105	rBV	164848	161284	1.17%	0.501%
96	7.808	1105	1107	1113	rVB	92277	85470	0.62%	0.265%
97	7.856	1113	1116	1118	rBV3	123929	140847	1.02%	0.438%
98	7.877	1118	1120	1122	rVB2	60225	37667	0.27%	0.117%
99	7.899	1122	1124	1128	rVB2	109193	82763	0.60%	0.257%
100	7.936	1128	1131	1135	rVB4	78053	78206	0.57%	0.243%
101	7.979	1135	1139	1141	rBV3	128364	120090	0.87%	0.373%
102	8.006	1141	1144	1147	rBV2	83879	90529	0.66%	0.281%
103	8.038	1148	1150	1152	rVV3	64216	50275	0.36%	0.156%
104	8.059	1152	1154	1157	rVB2	69430	62246	0.45%	0.193%
105	8.097	1157	1161	1164	rBV4	138116	171191	1.24%	0.532%
106	8.129	1164	1167	1168	rBV3	54638	49831	0.36%	0.155%
107	8.177	1172	1176	1178	rBV5	51041	70222	0.51%	0.218%
108	8.204	1178	1181	1185	rVB5	247301	259886	1.88%	0.807%
109	8.241	1185	1188	1195	rBV5	76899	119225	0.86%	0.370%
110	8.295	1195	1198	1202	rBV5	57780	86876	0.63%	0.270%
111	8.353	1202	1209	1214	rVB2	167654	295717	2.14%	0.919%
112	8.402	1214	1218	1220	rBV2	88589	78420	0.57%	0.244%
113	8.423	1220	1222	1224	rBV3	38090	32142	0.23%	0.100%
114	8.498	1232	1236	1239	rVB3	88077	106308	0.77%	0.330%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

115	8.530	1239	1242	1245	rBV2	132069	164377	1.19%	0.511%
116	8.610	1255	1257	1259	rBV2	40094	40328	0.29%	0.125%
117	8.648	1259	1264	1266	rVV5	56916	94201	0.68%	0.293%
118	8.722	1276	1278	1279	rBV2	23109	12344	0.09%	0.038%
119	8.744	1280	1282	1284	rBV2	59727	46925	0.34%	0.146%
120	8.797	1289	1292	1295	rBV3	115790	120881	0.88%	0.375%
121	8.824	1295	1297	1301	rVB	154797	142131	1.03%	0.441%
122	8.888	1303	1309	1311	rBV	414511	391261	2.84%	1.215%
123	8.910	1311	1313	1316	rVB	133950	101637	0.74%	0.316%
124	8.947	1316	1320	1321	rBV4	42537	43492	0.32%	0.135%
125	9.011	1328	1332	1335	rBV3	108671	148403	1.08%	0.461%
126	9.038	1335	1337	1339	rVV2	86117	83699	0.61%	0.260%
127	9.059	1339	1341	1347	rVB6	64032	105762	0.77%	0.329%
128	9.204	1364	1368	1370	rVB4	57103	67170	0.49%	0.209%
129	9.236	1370	1374	1379	rBV3	154280	255600	1.85%	0.794%
130	9.327	1387	1391	1394	rVB2	92956	89100	0.65%	0.277%
131	9.423	1405	1409	1412	rBV2	240087	283763	2.06%	0.881%
132	9.450	1412	1414	1421	rVB	214338	213408	1.55%	0.663%
133	9.503	1421	1424	1427	rBV	77779	71352	0.52%	0.222%
134	9.535	1427	1430	1434	rBV2	176127	266396	1.93%	0.827%
135	9.642	1447	1450	1452	rBV4	53252	60170	0.44%	0.187%
136	9.680	1454	1457	1461	rVB2	140780	130652	0.95%	0.406%
137	9.712	1461	1463	1467	rBV3	41541	31257	0.23%	0.097%
138	9.749	1467	1470	1472	rBV2	110765	128157	0.93%	0.398%
139	9.771	1472	1474	1475	rBV	90525	61104	0.44%	0.190%
140	9.835	1483	1486	1488	rBV2	47404	47306	0.34%	0.147%
141	9.867	1488	1492	1495	rVV4	98180	147936	1.07%	0.460%
142	9.894	1495	1497	1500	rVV	110344	126069	0.91%	0.392%
143	9.921	1500	1502	1506	rVV2	198971	230734	1.67%	0.717%
144	9.958	1506	1509	1512	rVV	219441	251593	1.82%	0.782%
145	9.985	1512	1514	1520	rVB	123225	120281	0.87%	0.374%
146	10.044	1520	1525	1528	rBV	436057	546478	3.96%	1.698%
147	10.076	1528	1531	1534	rVV4	180627	246308	1.79%	0.765%
148	10.102	1534	1536	1539	rVB2	127858	114976	0.83%	0.357%
149	10.135	1539	1542	1548	rBV4	151543	216598	1.57%	0.673%
150	10.183	1548	1551	1554	rBV	129996	119396	0.87%	0.371%
151	10.242	1560	1562	1565	rBV4	65676	77825	0.56%	0.242%
152	10.279	1565	1569	1573	rVB3	190599	220097	1.60%	0.684%
153	10.311	1573	1575	1576	rBV2	30871	22740	0.16%	0.071%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

154	10.407	1589	1593	1595	rBV2	81495	105721	0.77%	0.328%
155	10.434	1595	1598	1600	rVV3	114173	99718	0.72%	0.310%
156	10.466	1600	1604	1606	rVV	155536	162934	1.18%	0.506%
157	10.520	1610	1614	1618	rVB	199385	242741	1.76%	0.754%
158	10.562	1618	1622	1626	rBV2	317511	357299	2.59%	1.110%
159	10.595	1626	1628	1630	rVV3	67240	53064	0.38%	0.165%
160	10.621	1630	1633	1636	rVV2	87605	112525	0.82%	0.350%
161	10.648	1636	1638	1639	rVV	74397	62476	0.45%	0.194%
162	10.669	1639	1642	1650	rVB	297811	391229	2.84%	1.215%
163	10.734	1650	1654	1658	rBV6	107523	164680	1.19%	0.512%
164	10.808	1665	1668	1672	rBV4	54087	87873	0.64%	0.273%
165	10.857	1672	1677	1684	rVB7	128961	250456	1.82%	0.778%
166	10.921	1684	1689	1691	rBV6	59977	100641	0.73%	0.313%
167	10.980	1697	1700	1703	rBV2	144312	141154	1.02%	0.438%
168	11.049	1711	1713	1716	rVB3	56235	47696	0.35%	0.148%
169	11.087	1716	1720	1723	rBV	177936	173338	1.26%	0.538%
170	11.119	1723	1726	1728	rBV2	96384	75716	0.55%	0.235%
171	11.178	1733	1737	1738	rBV3	106048	111488	0.81%	0.346%
172	11.440	1783	1786	1789	rBV3	89276	110471	0.80%	0.343%
173	11.541	1802	1805	1808	rVB	89656	78924	0.57%	0.245%
174	11.579	1808	1812	1815	rBV2	139176	183047	1.33%	0.569%
175	11.605	1815	1817	1820	rVB2	84033	73060	0.53%	0.227%
176	11.670	1825	1829	1834	rBV5	81376	143443	1.04%	0.446%
177	11.712	1834	1837	1841	rVV2	92084	133718	0.97%	0.415%
178	11.744	1841	1843	1848	rVB5	68124	87944	0.64%	0.273%
179	11.889	1864	1870	1874	rBV2	323190	439061	3.18%	1.364%
180	12.001	1888	1891	1897	rVB3	101453	156696	1.14%	0.487%
181	12.322	1949	1951	1952	rBV2	42196	31891	0.23%	0.099%
182	12.365	1957	1959	1963	rVB	91998	90890	0.66%	0.282%
183	12.402	1964	1966	1970	rVV2	61772	62106	0.45%	0.193%
184	12.515	1984	1987	1992	rBV4	60773	99150	0.72%	0.308%
185	12.771	2032	2035	2038	rBV5	77641	103354	0.75%	0.321%
186	12.836	2044	2047	2049	rBV	55479	58303	0.42%	0.181%
187	12.868	2050	2053	2057	rVB3	90803	119013	0.86%	0.370%
188	12.948	2065	2068	2071	rBV5	54073	68556	0.50%	0.213%
189	13.488	2165	2169	2175	rVB	295438	341427	2.47%	1.061%
190	14.023	2266	2269	2273	rVB5	108821	130204	0.94%	0.404%
191	14.312	2320	2323	2327	rVB2	107405	109558	0.79%	0.340%
192	14.938	2437	2440	2445	rVB7	62887	89103	0.65%	0.277%

LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On    : 10 Mar 2010  16:59
Operator  : AHD
Sample    : AC50199-001(2X)
Misc      : S,BNA:2
ALS Vial  : 16   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\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270
```

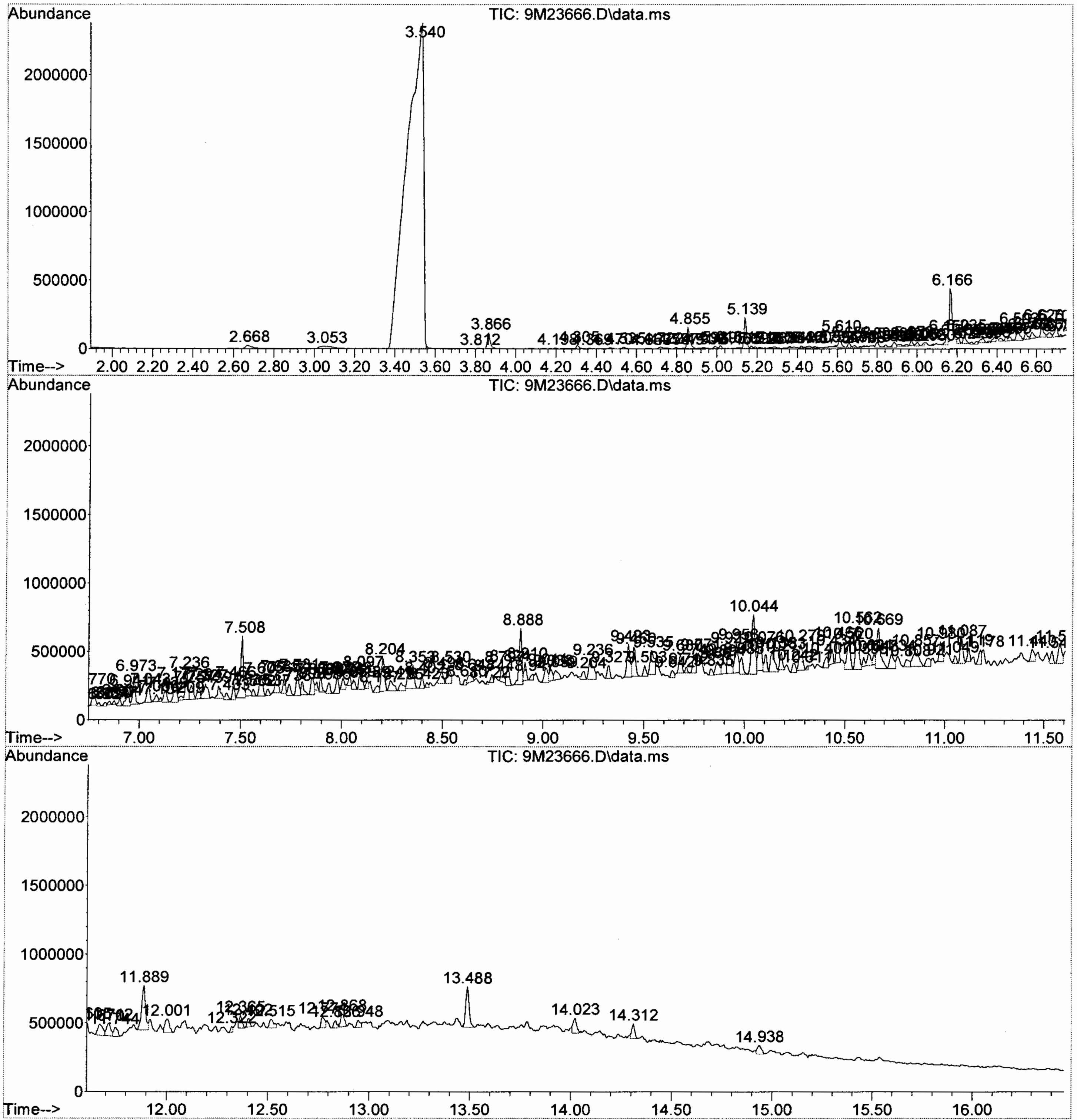
Sum of corrected areas: 32192918

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

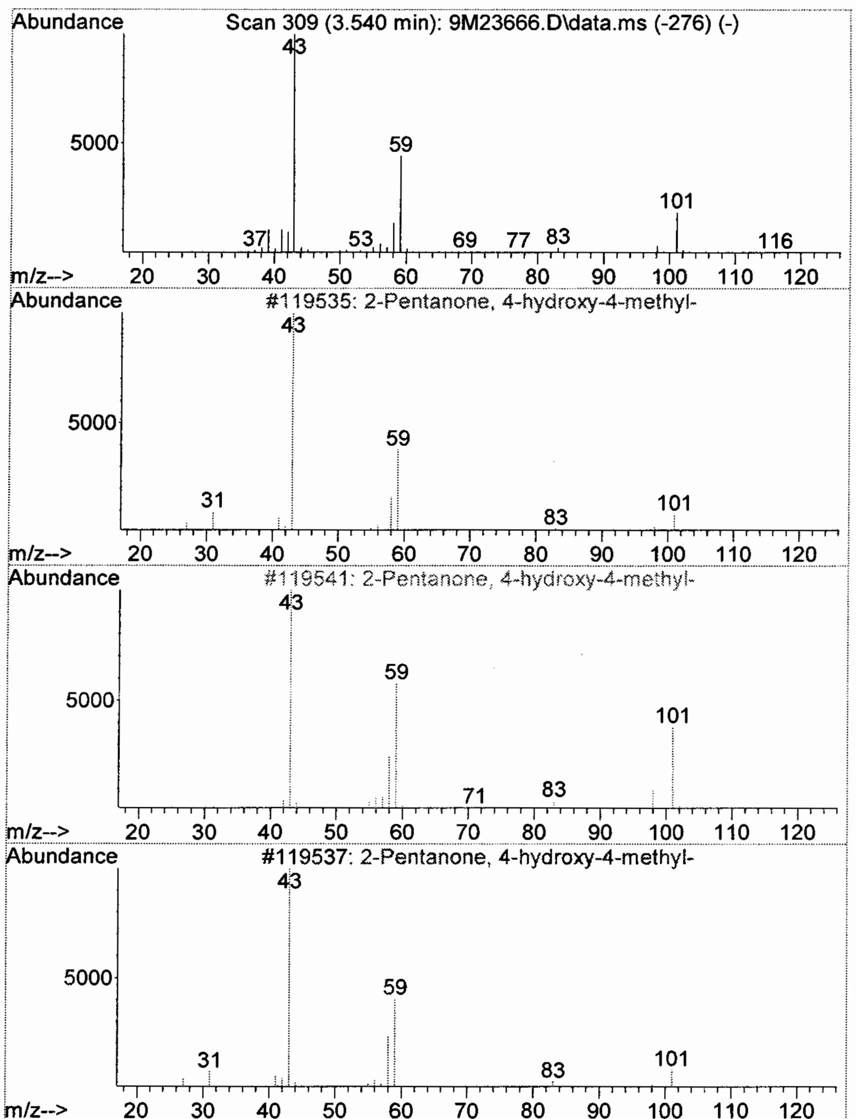
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

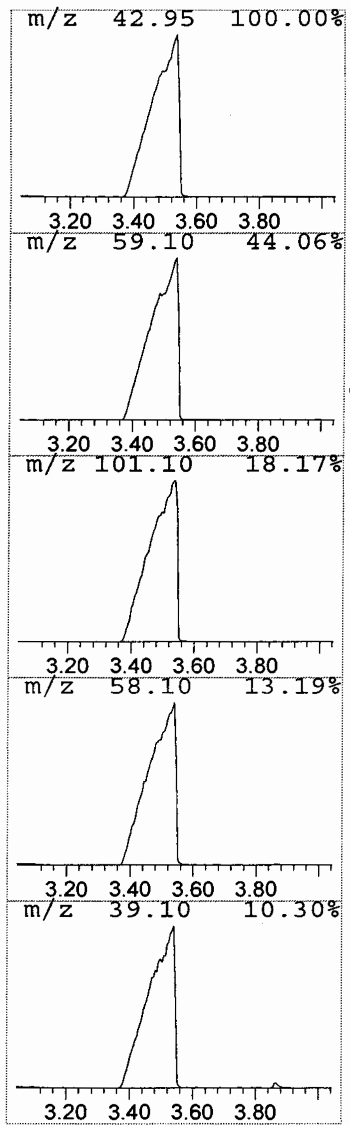
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	3098.27 ng	13797614	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
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	32





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On    : 10 Mar 2010  16:59
Operator  : AHD
Sample    : AC50199-001(2X)
Misc      : S,BNA:2
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

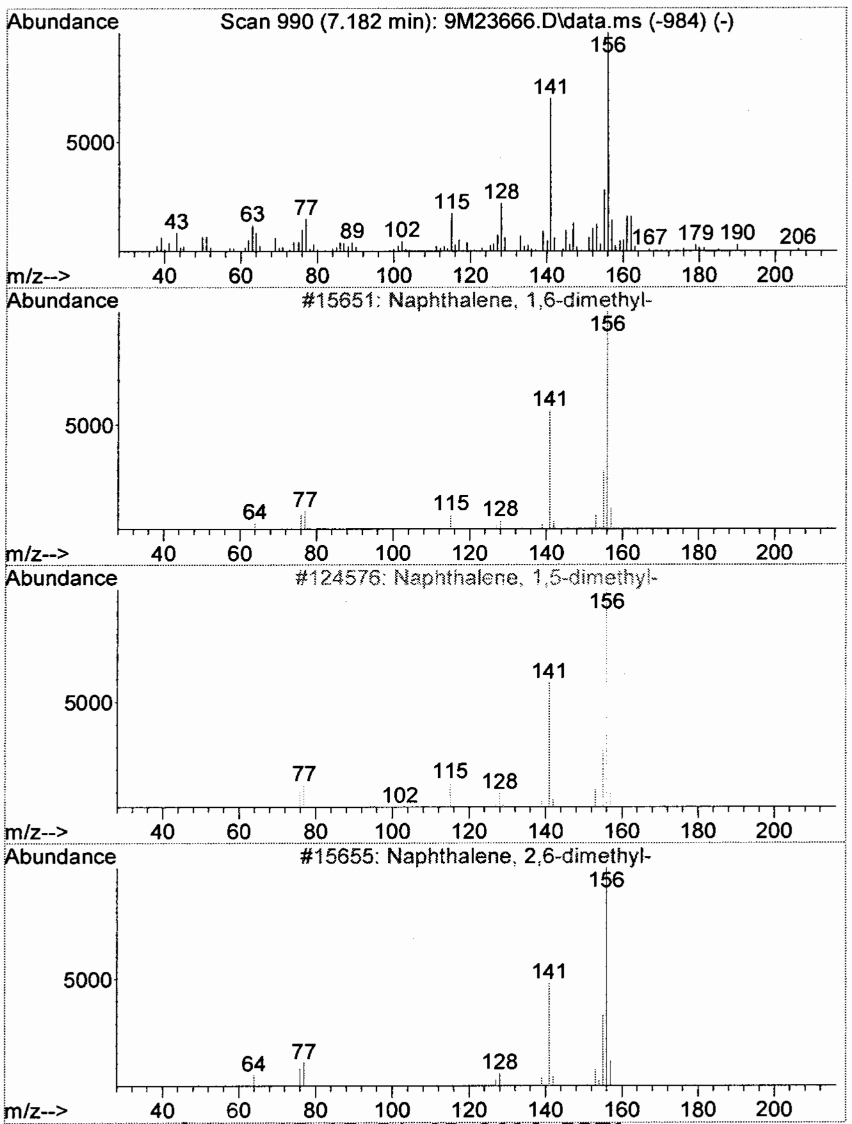
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

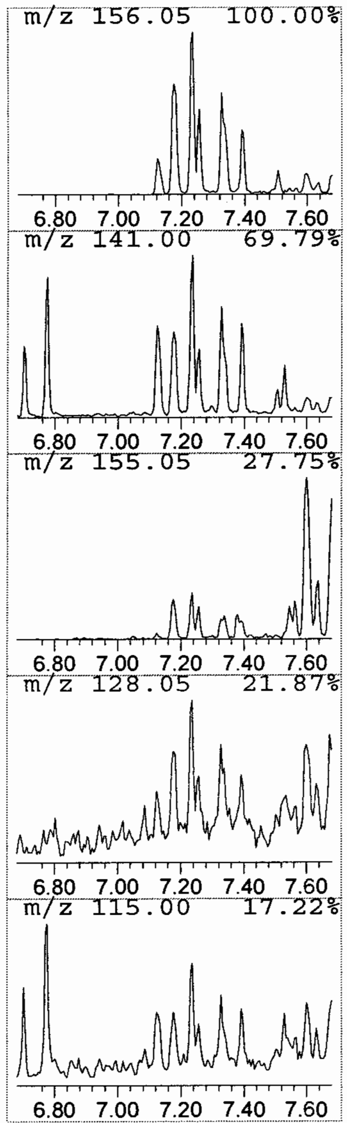
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	22.62 ng	174879	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

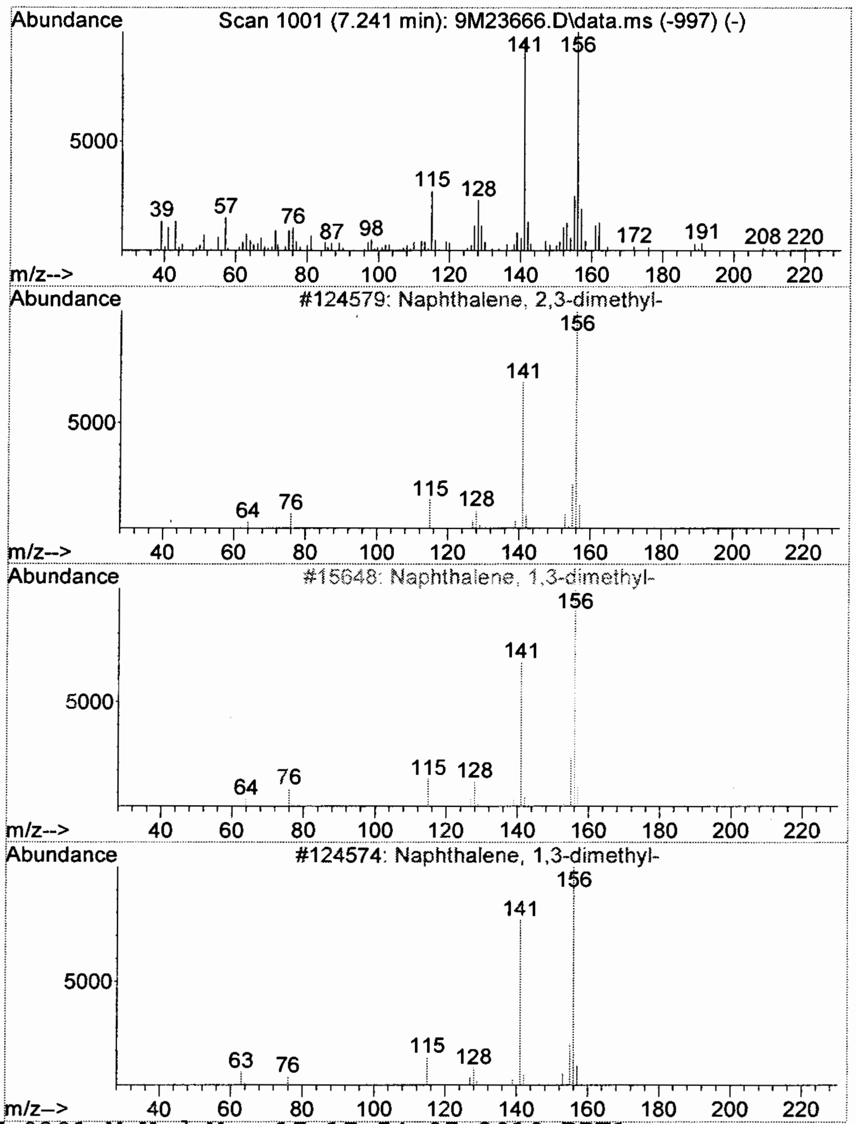
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

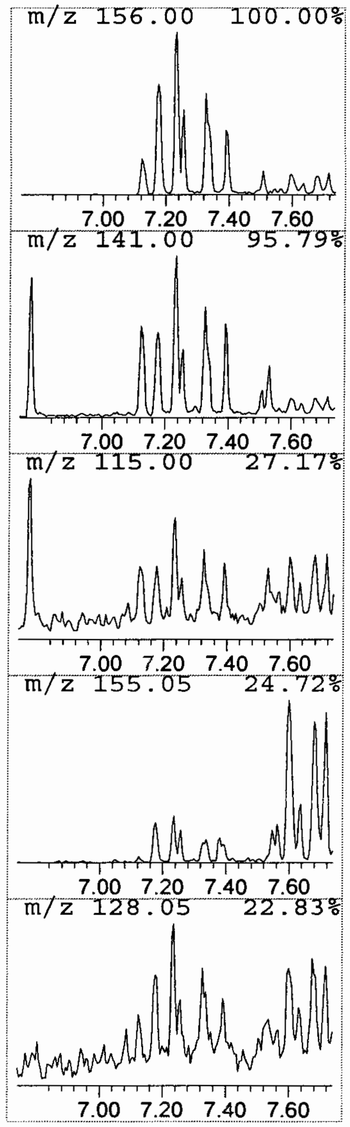
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	24.10 ng	186351	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On    : 10 Mar 2010  16:59
Operator  : AHD
Sample    : AC50199-001(2X)
Misc      : S,BNA:2
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

*********************************************************************
Peak Number  4  Naphthalene, 1,2-dimethyl-      Concentration Rank 28
```
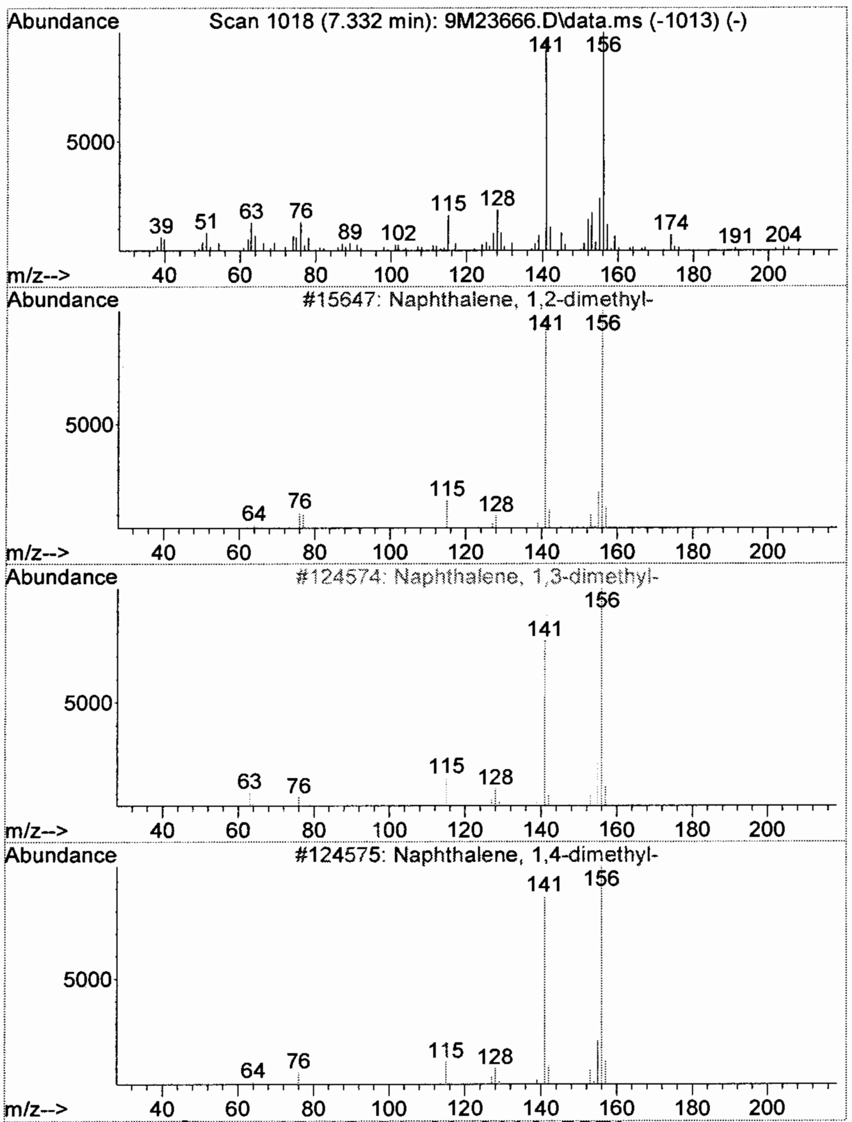
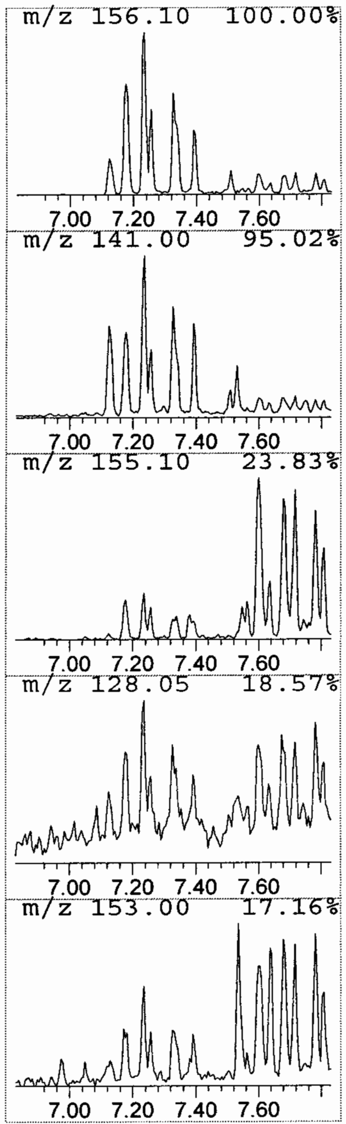

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	19.63 ng	151749	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	92
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

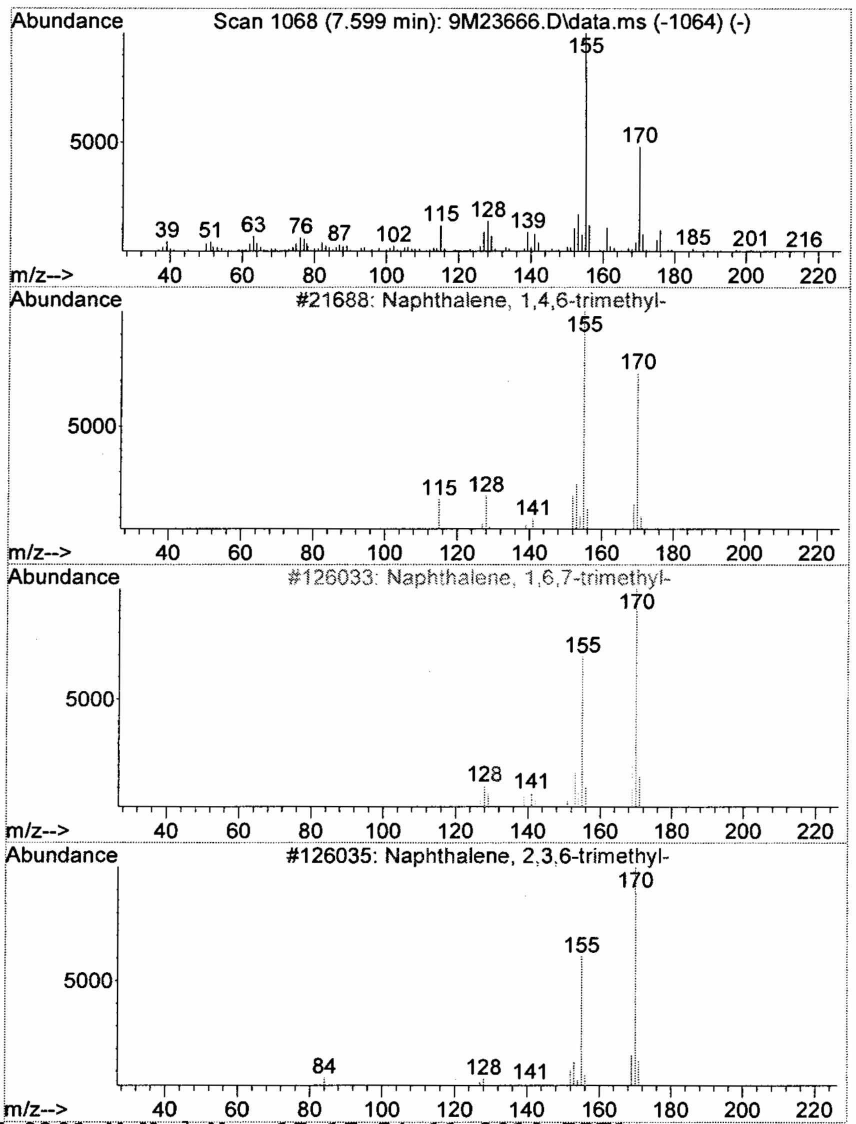
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

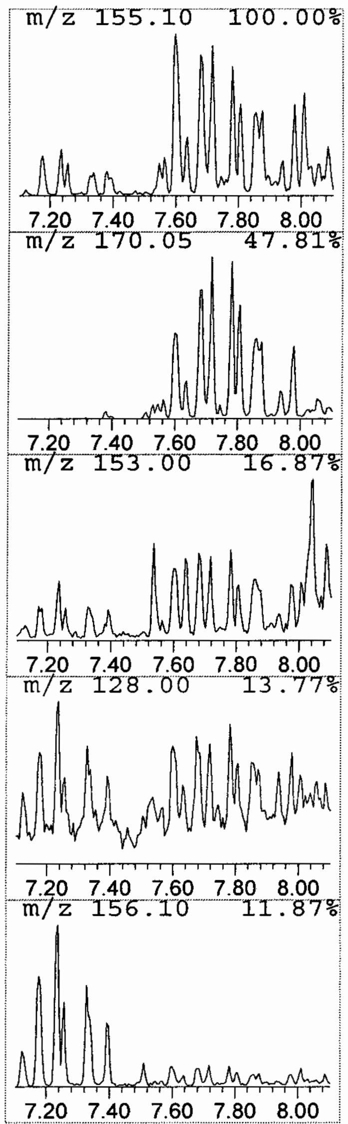
****

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	22.91 ng	177144	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5	9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	76





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ALS Vial  : 16   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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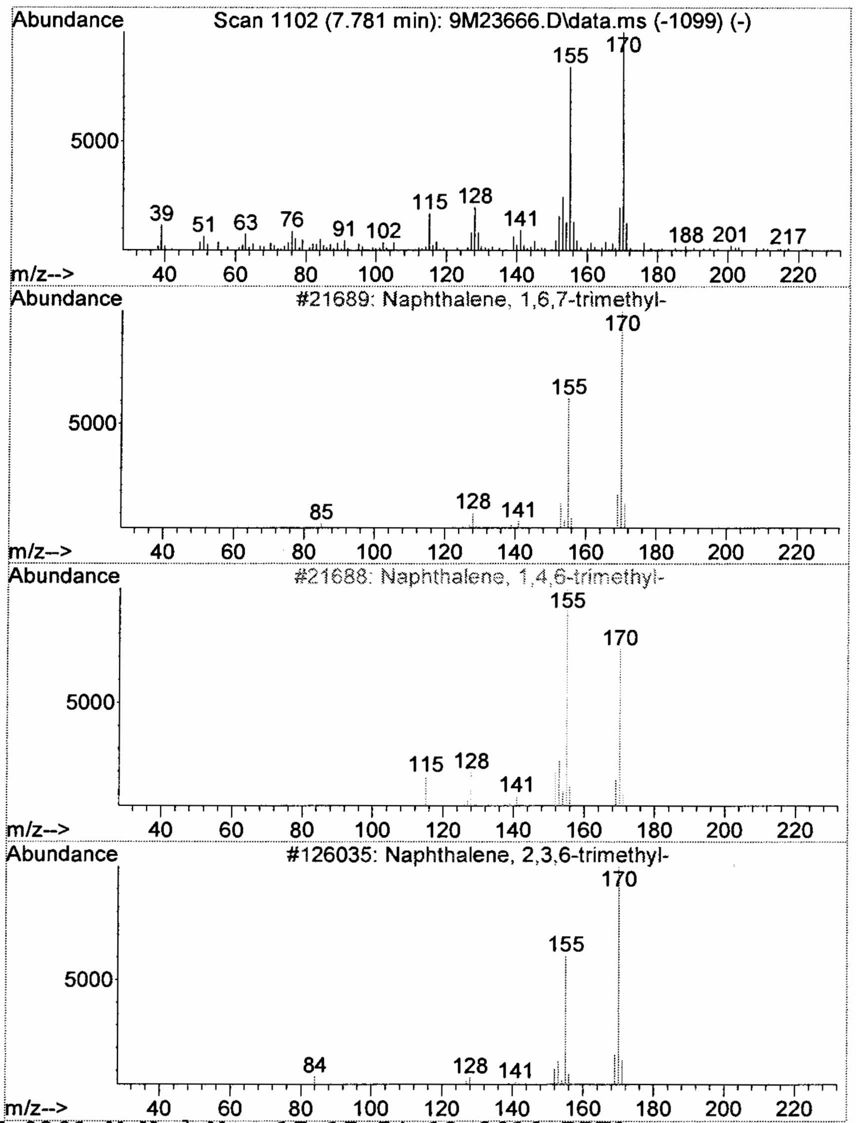
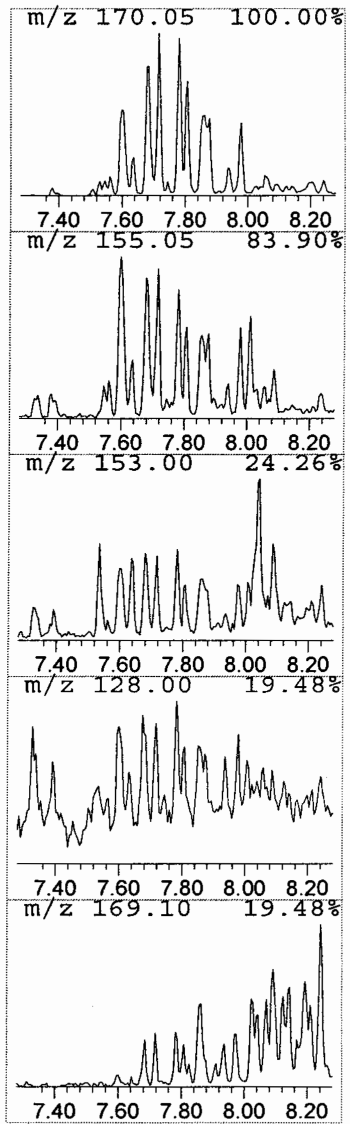
Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	20.86 ng	161284	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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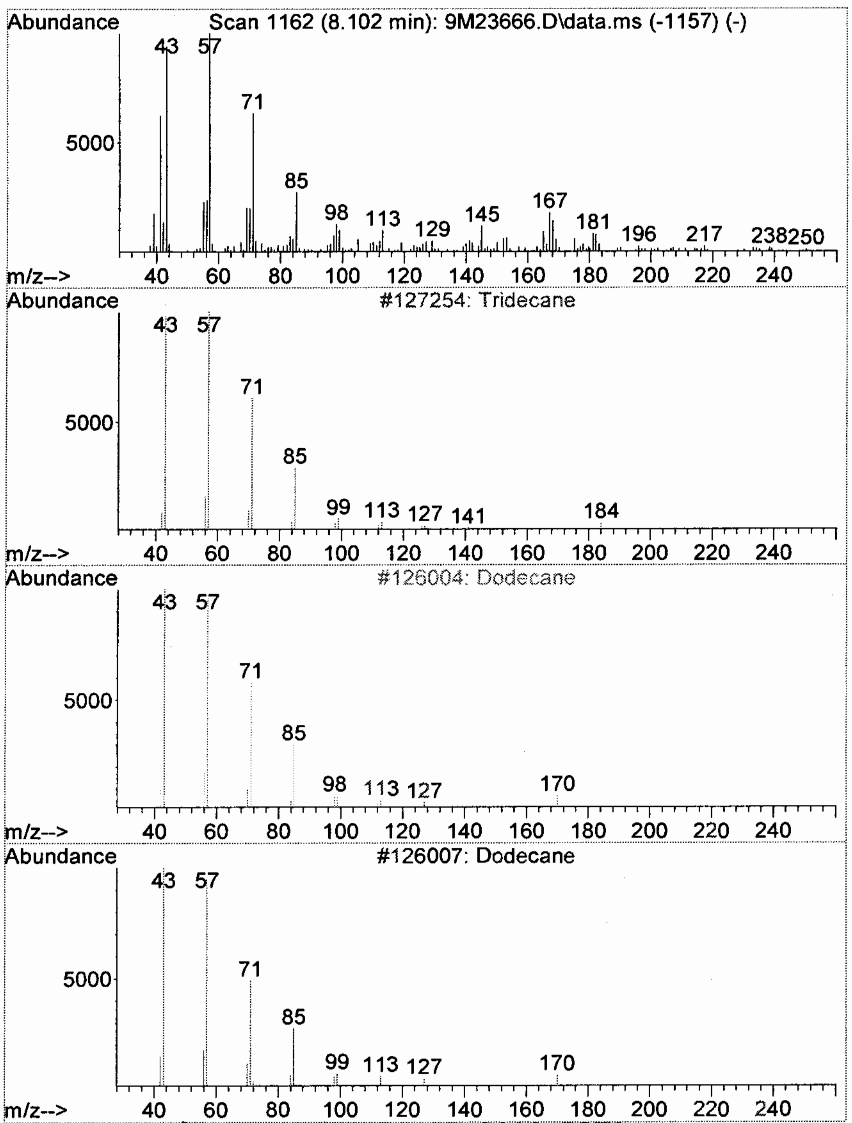
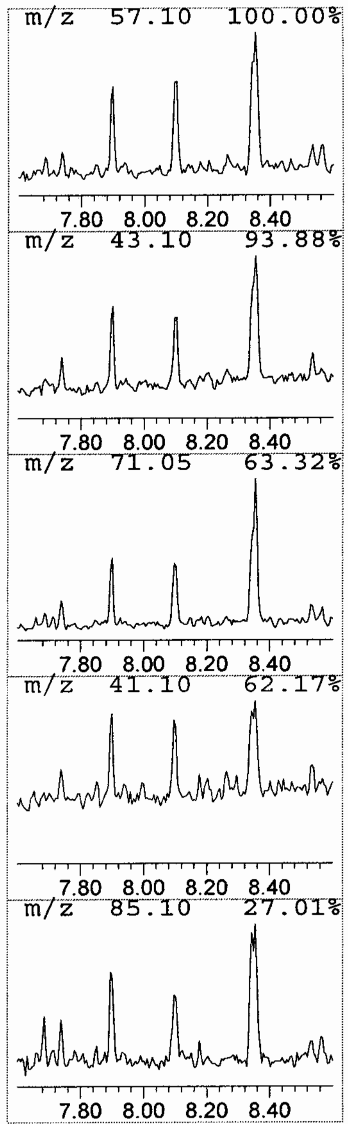
Peak Number 7 Tridecane — Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	22.14 ng	171191	LibIS-Acenaphthene-d10	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	89
2	Dodecane	170	C12H26	000112-40-3	87
3	Dodecane	170	C12H26	000112-40-3	55
4	Tridecane	184	C13H28	000629-50-5	55
5	Tridecane	184	C13H28	000629-50-5	55





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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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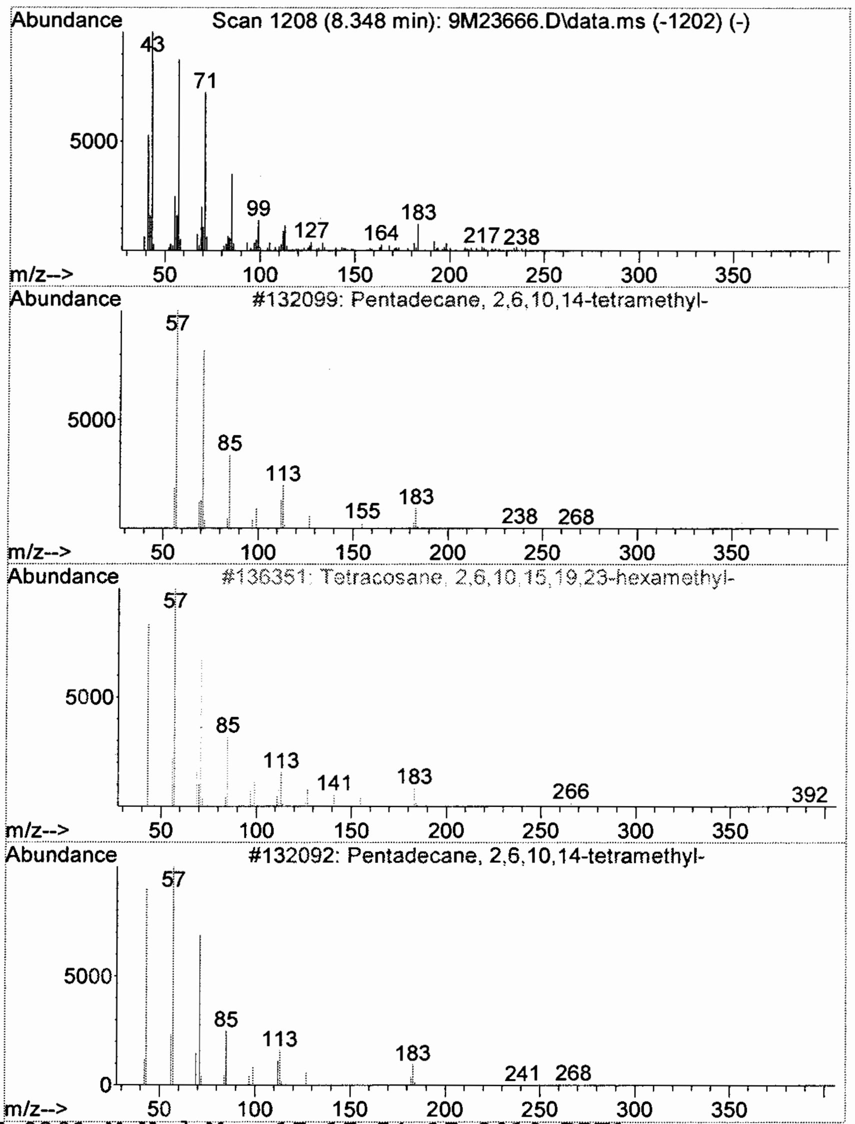
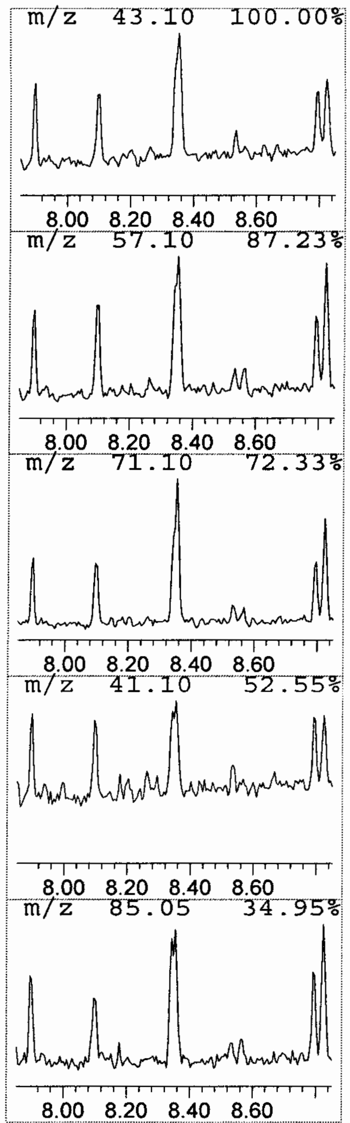
Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	39.44 ng	295717	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Tetracosane, 2,6,10,15,19,23-hex...	422	C30H62	000111-01-3	91
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	86





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ALS Vial  : 16   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

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

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Peak Number  9  1,1'-Biphenyl, 4,4'-dimethyl-   Concentration Rank 22
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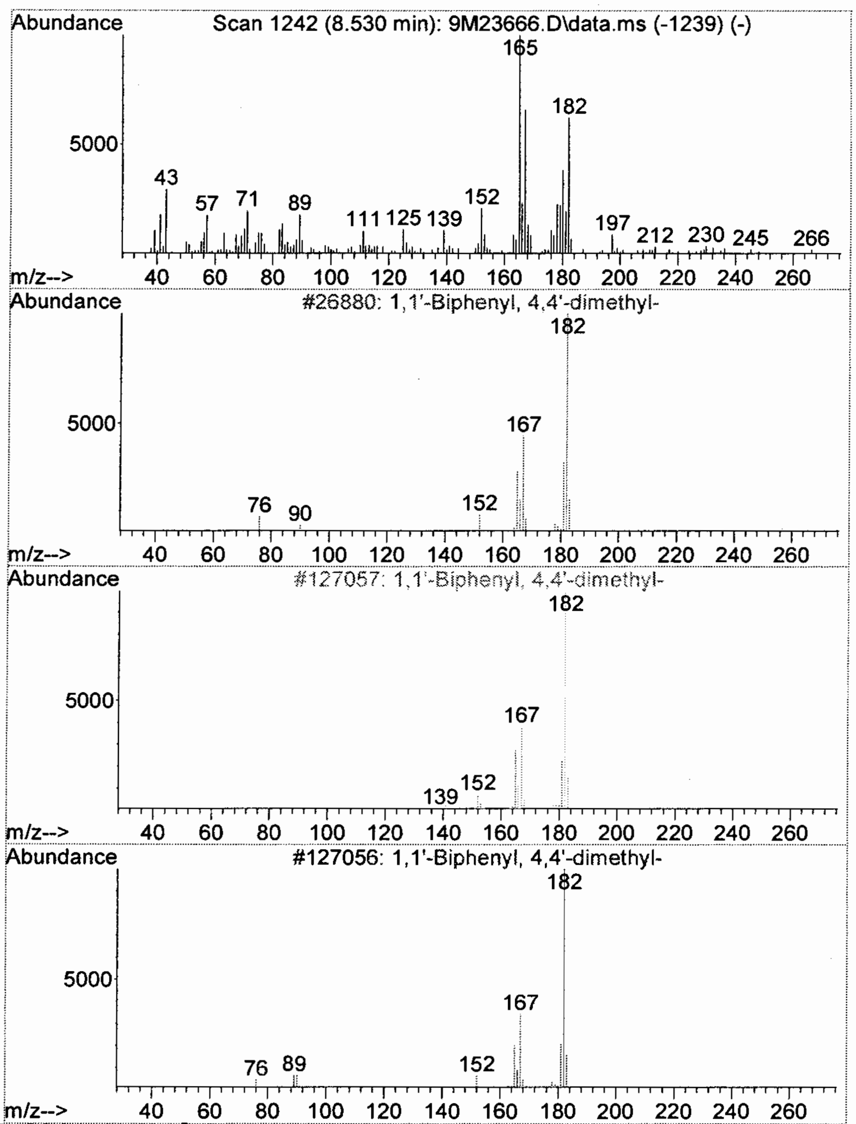
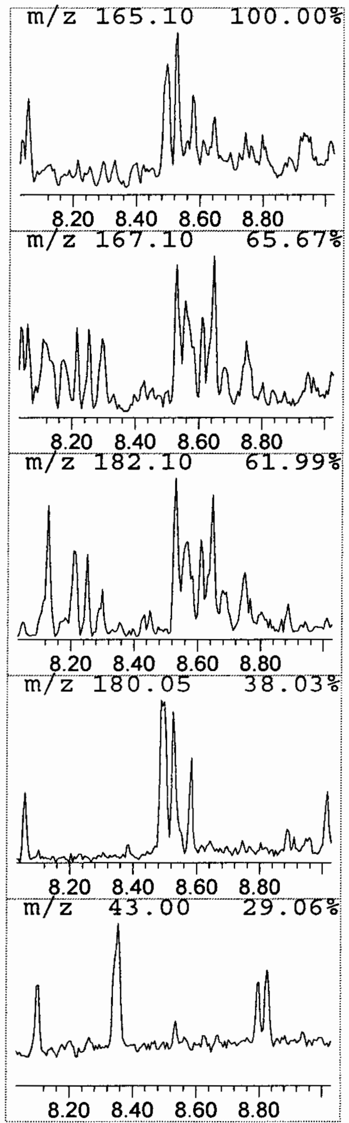
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	21.93 ng	164377	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dimethyl-	182	$C_{14}H_{14}$	000613-33-2	64
2	1,1'-Biphenyl, 4,4'-dimethyl-	182	$C_{14}H_{14}$	000613-33-2	60
3	1,1'-Biphenyl, 4,4'-dimethyl-	182	$C_{14}H_{14}$	000613-33-2	47
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	$C_{14}H_{14}$	000611-43-8	46
5	9H-Fluorene, 2-methyl-	180	$C_{14}H_{12}$	001430-97-3	45





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Quant Title : @GCMS_9,mg,625,8270

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

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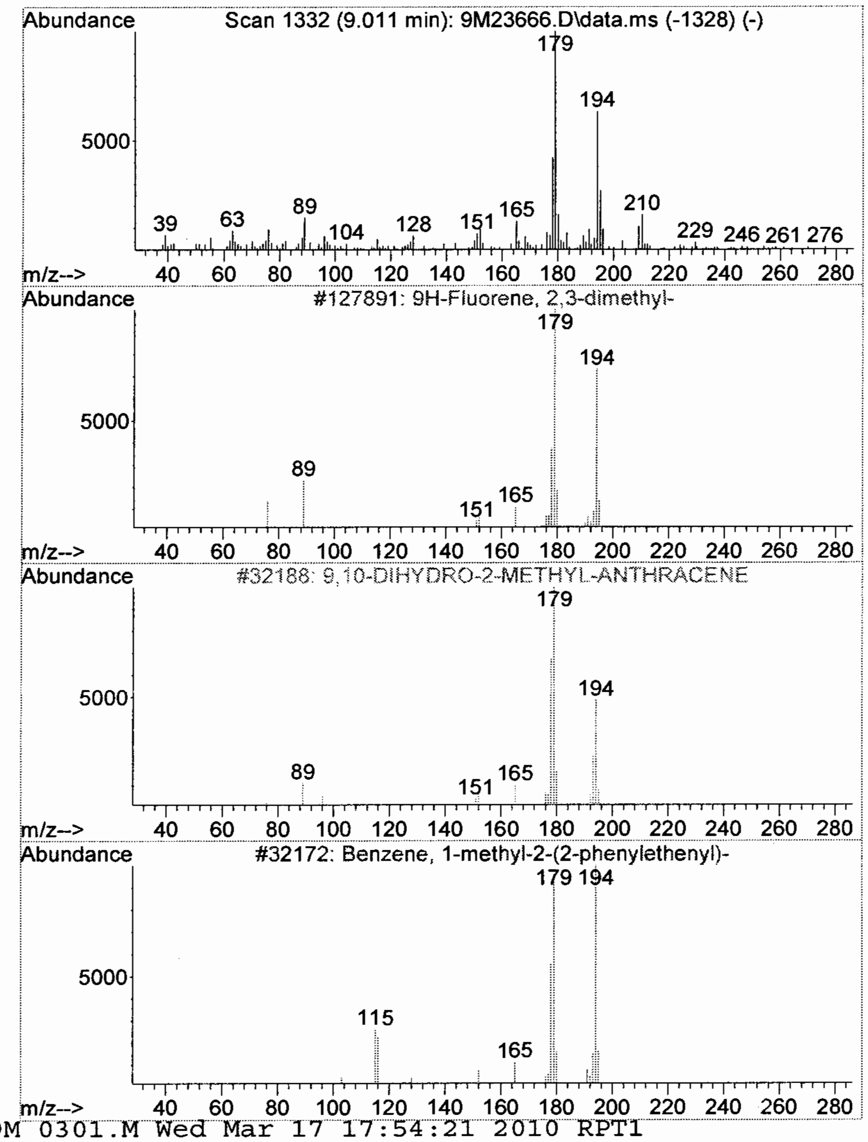
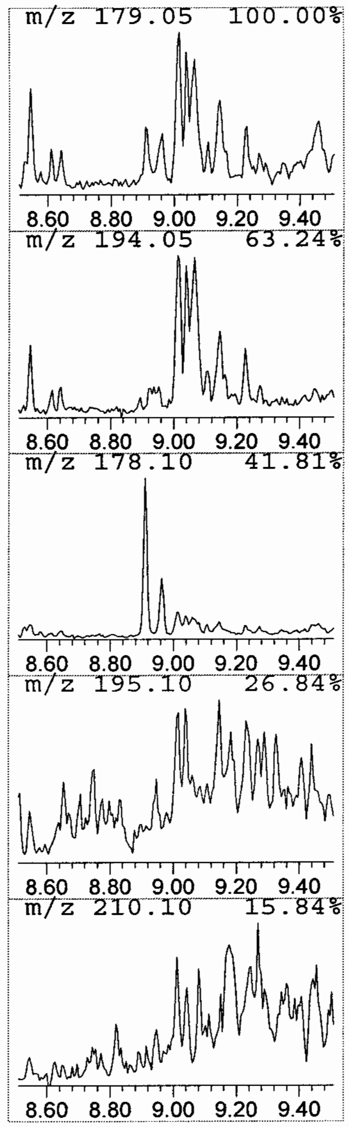
Peak Number 10 9H-Fluorene, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	19.80 ng	148403	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	87
2	9,10-DIHYDRO-2-METHYL-ANTHRACENE	194	C15H14	000000-00-0	78
3	Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	74
4	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	60
5	9H-Fluorene, 9-butyl-9-methyl-	236	C18H20	042348-92-5	60





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

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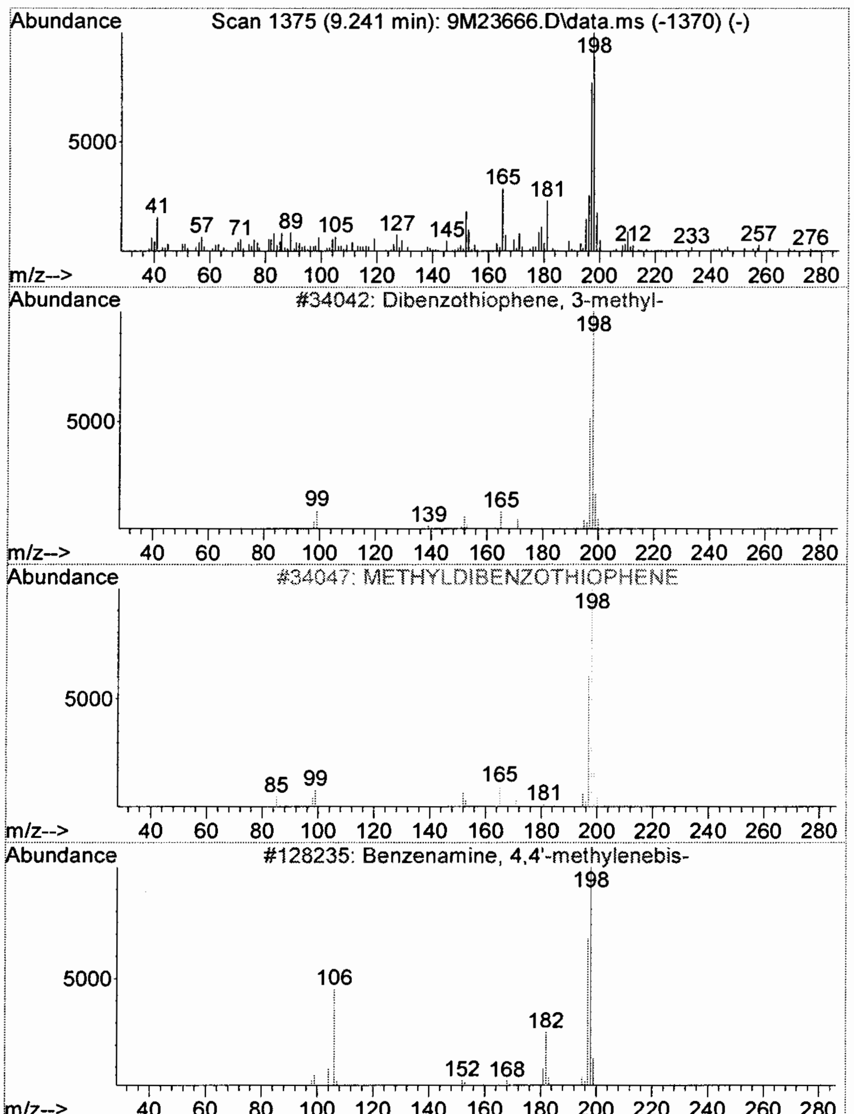
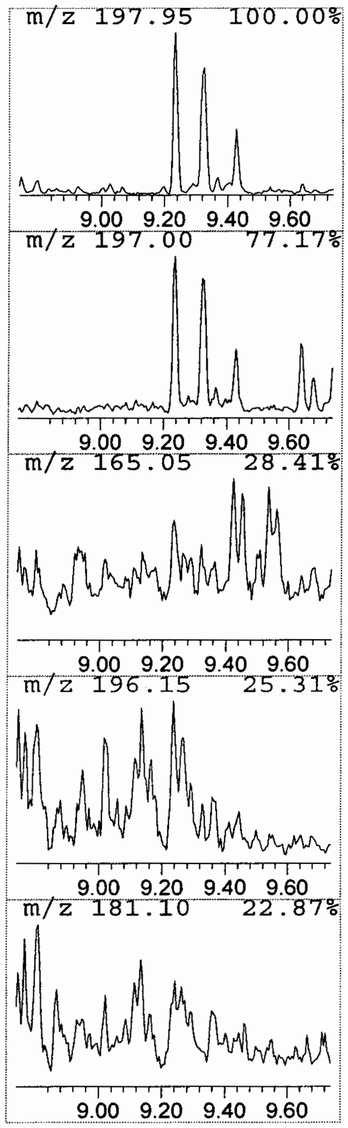
Peak Number 11 Dibenzothiophene, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	34.09 ng	255600	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	METHYLDIBENZOTHIOPHENE	198	C13H10S	030995-64-3	91
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	81
4	8-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-36-6	72
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72





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Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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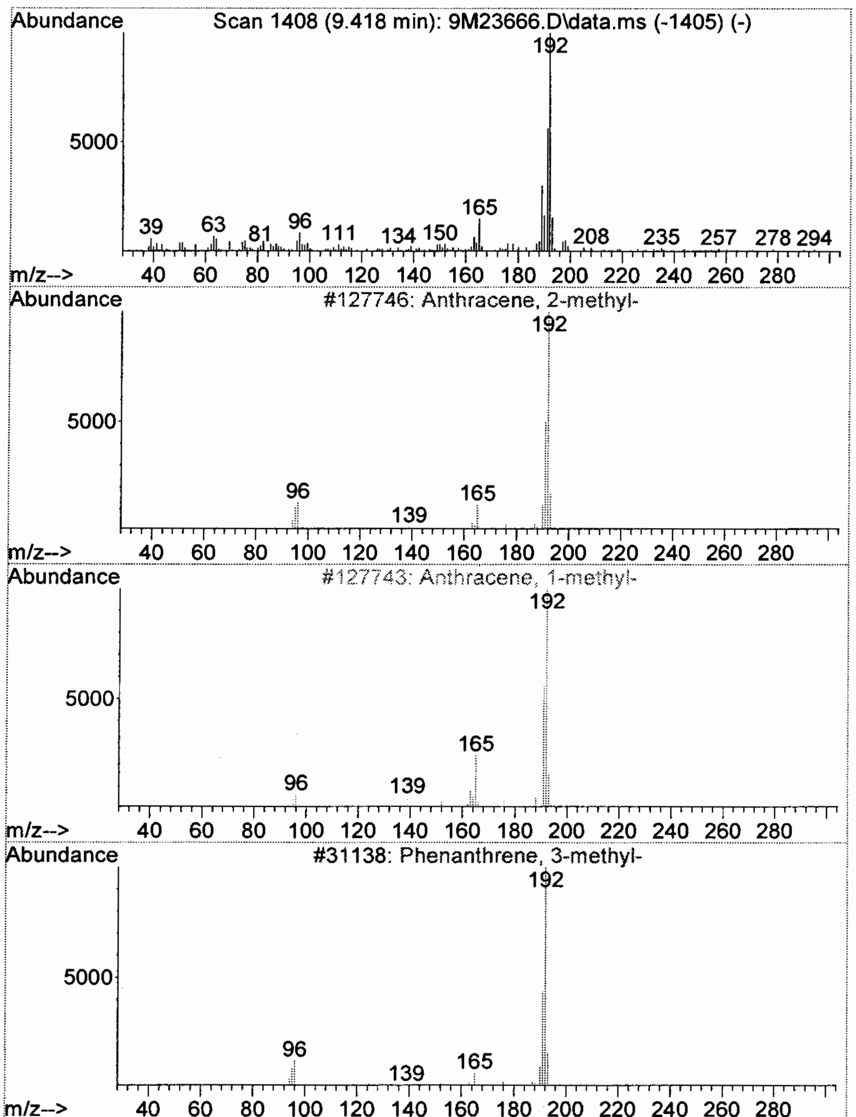
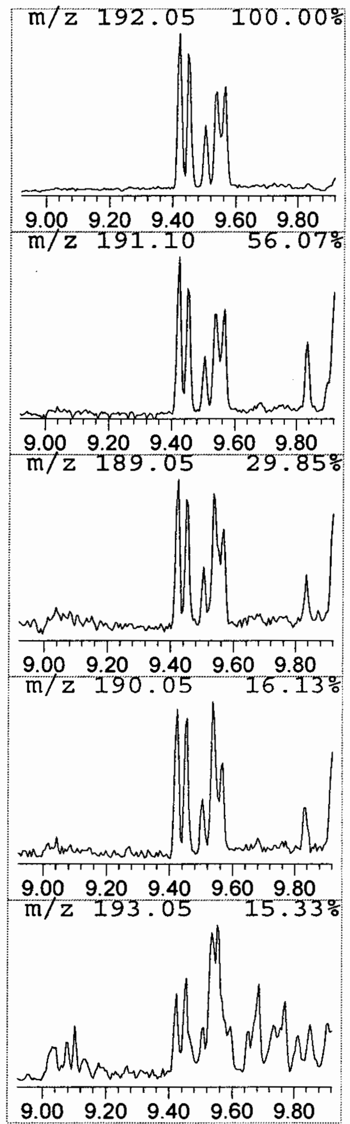
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	37.85 ng	283763	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
4	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	81
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81





Library Search Compound Report

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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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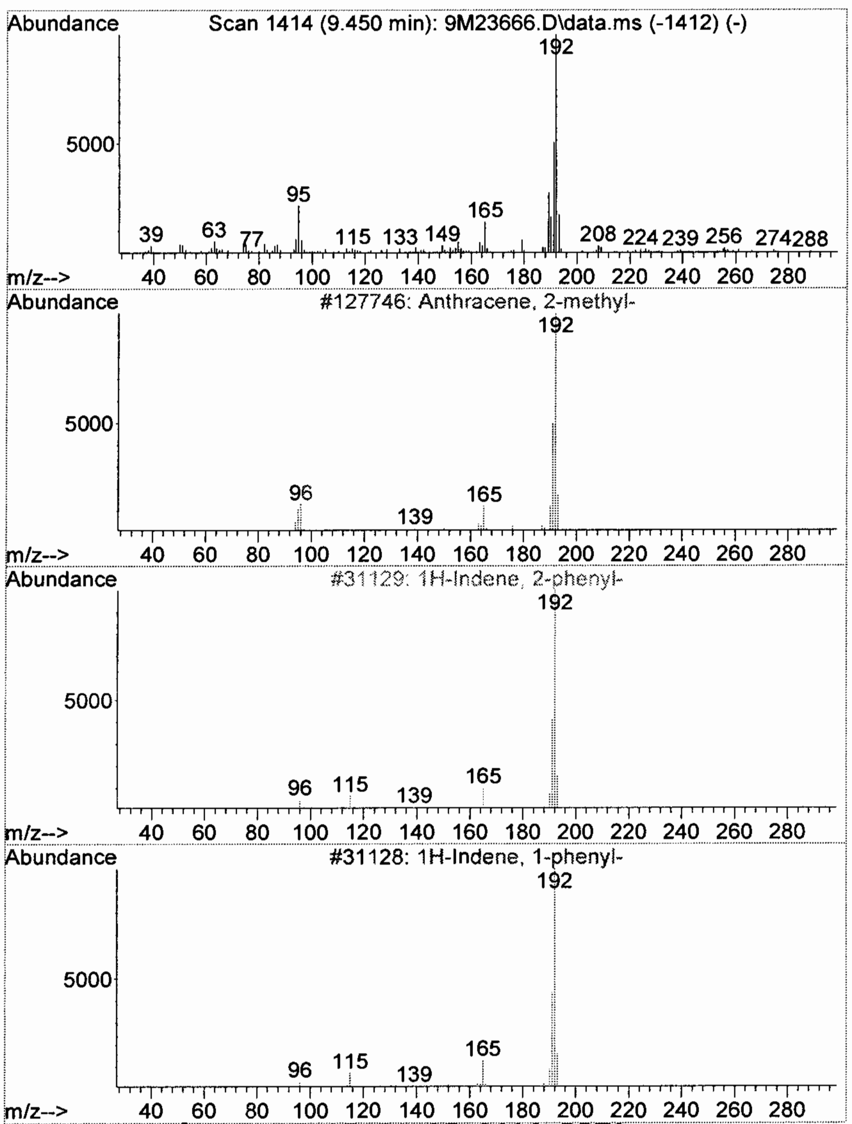
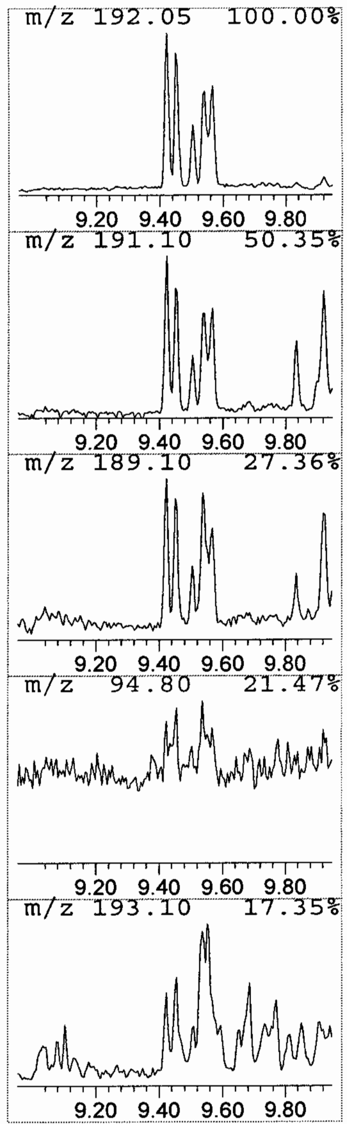
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	28.47 ng	213408	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	89
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	89
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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Quant Title  : @GCMS_9,mg,625,8270

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

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Peak Number 14  Phenanthrene, 4-methyl-        Concentration Rank  6
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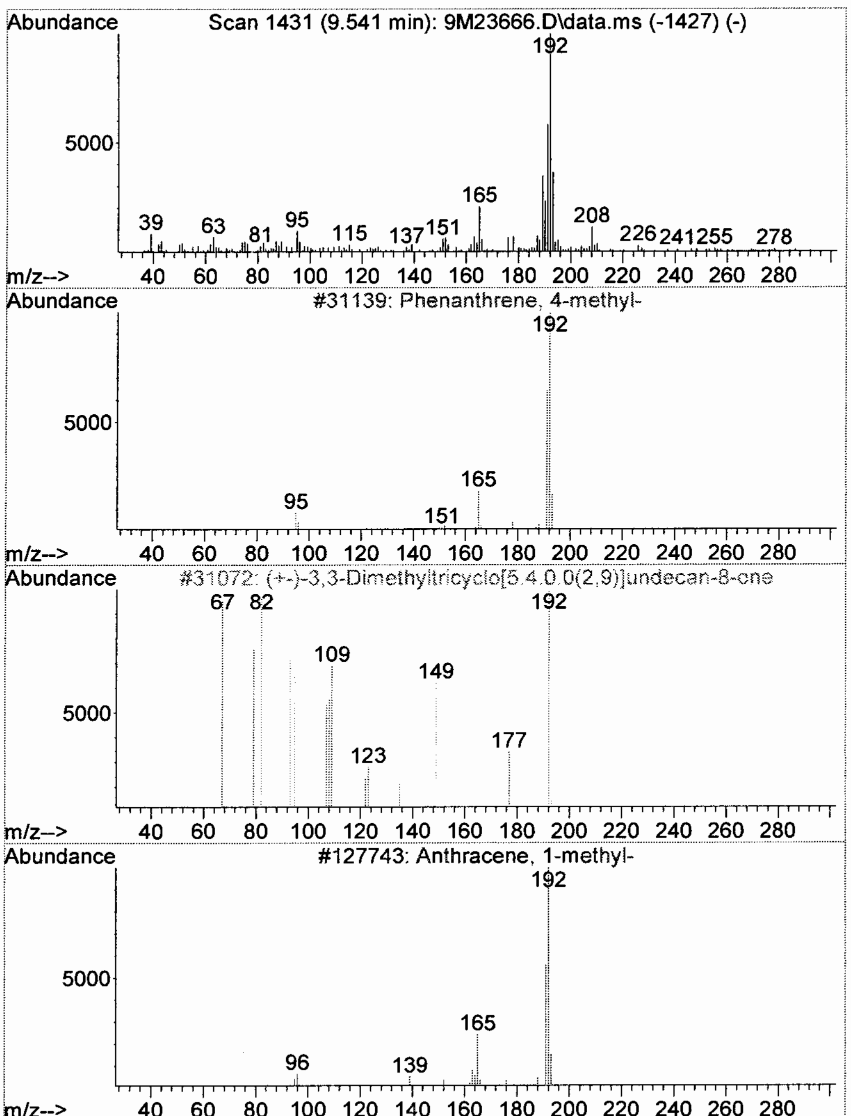
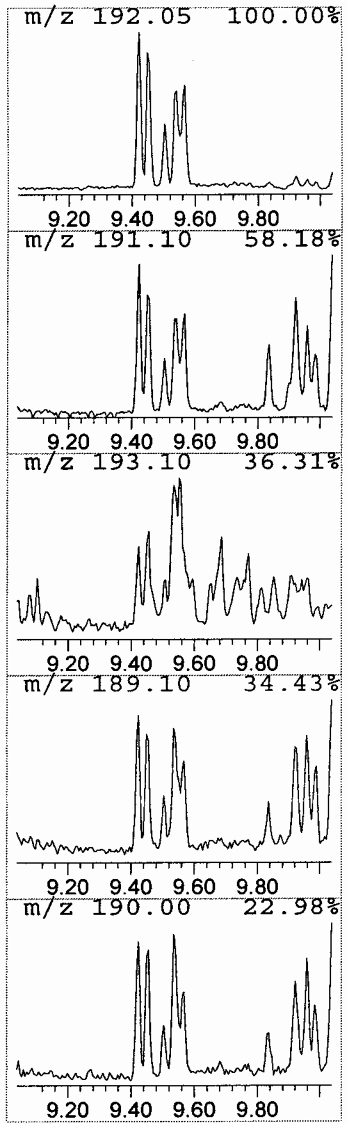
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	35.53 ng	266396	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
2	(+-)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	53
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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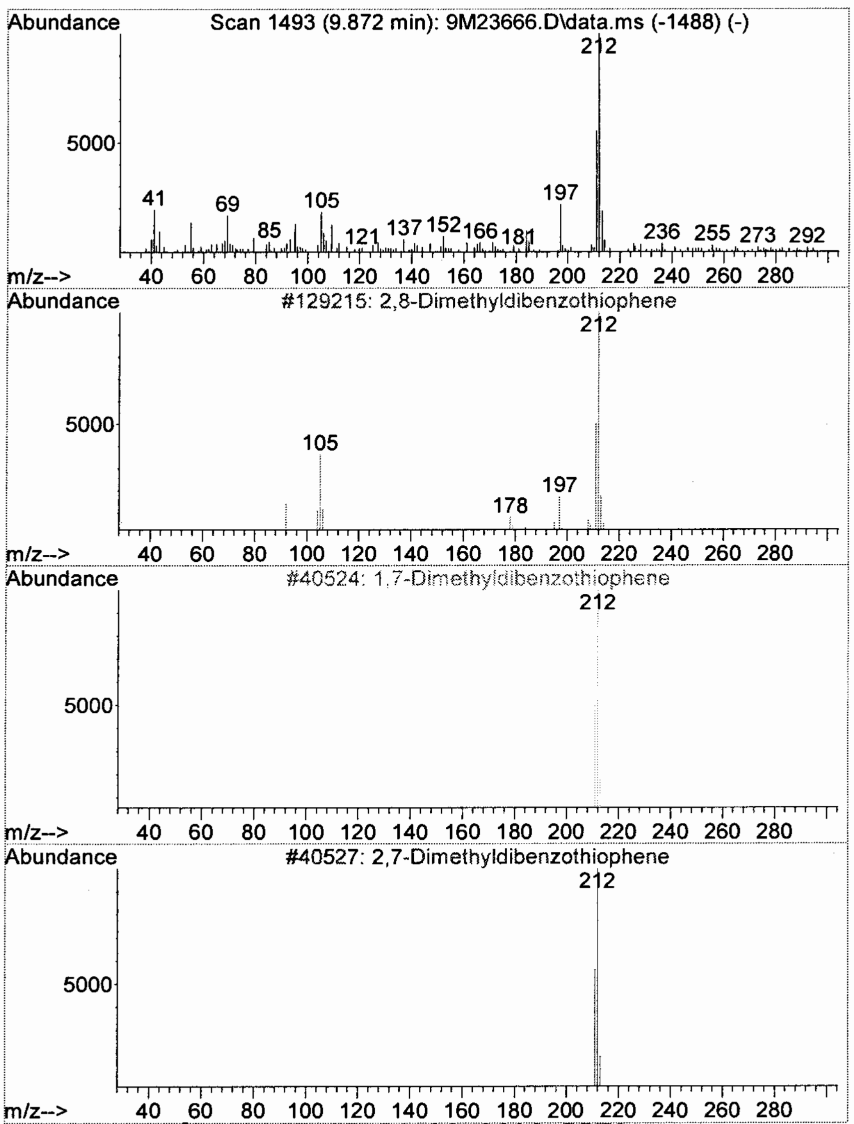
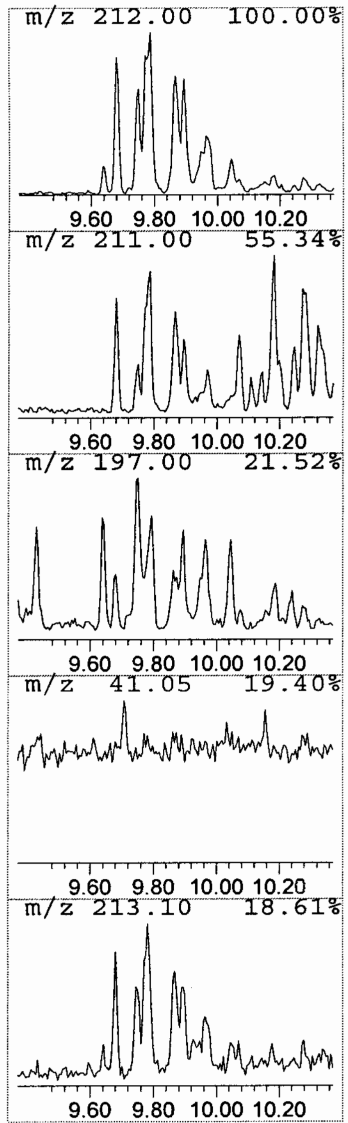
Peak Number 15 2,8-Dimethyldibenzothiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	19.73 ng	147936	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzothiophene	212	C14H12S	001207-15-4	90
2	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	83
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	83
5	1,6-Dimethyldibenzothiophene	212	C14H12S	089816-70-6	83





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Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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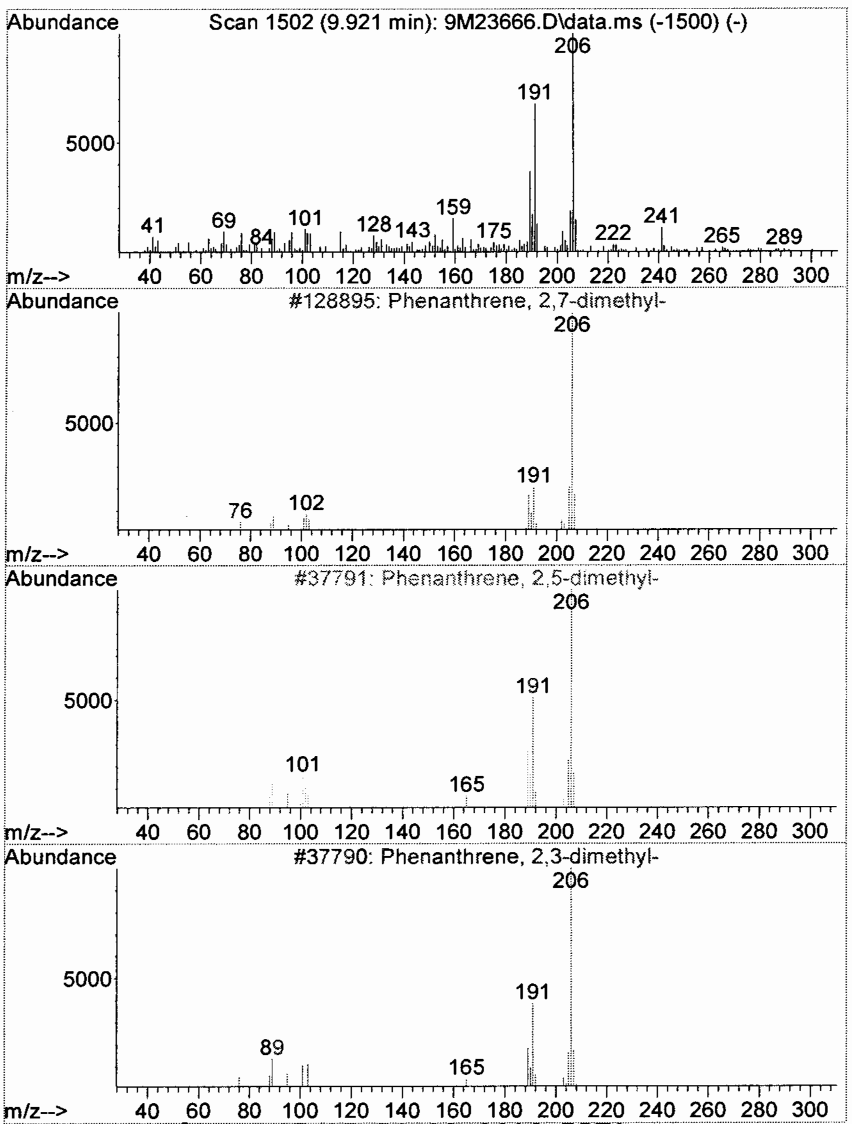
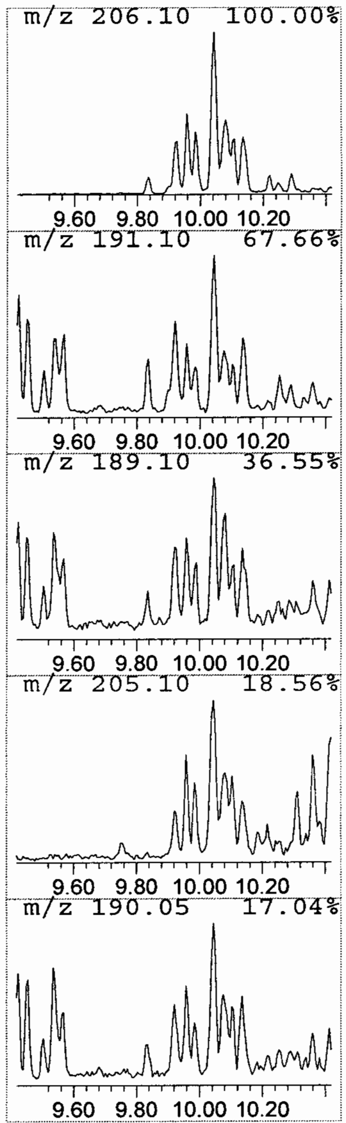
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	30.78 ng	230734	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
5	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	86





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Sample : AC50199-001(2X)
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Quant Title : @GCMS_9,mg,625,8270

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

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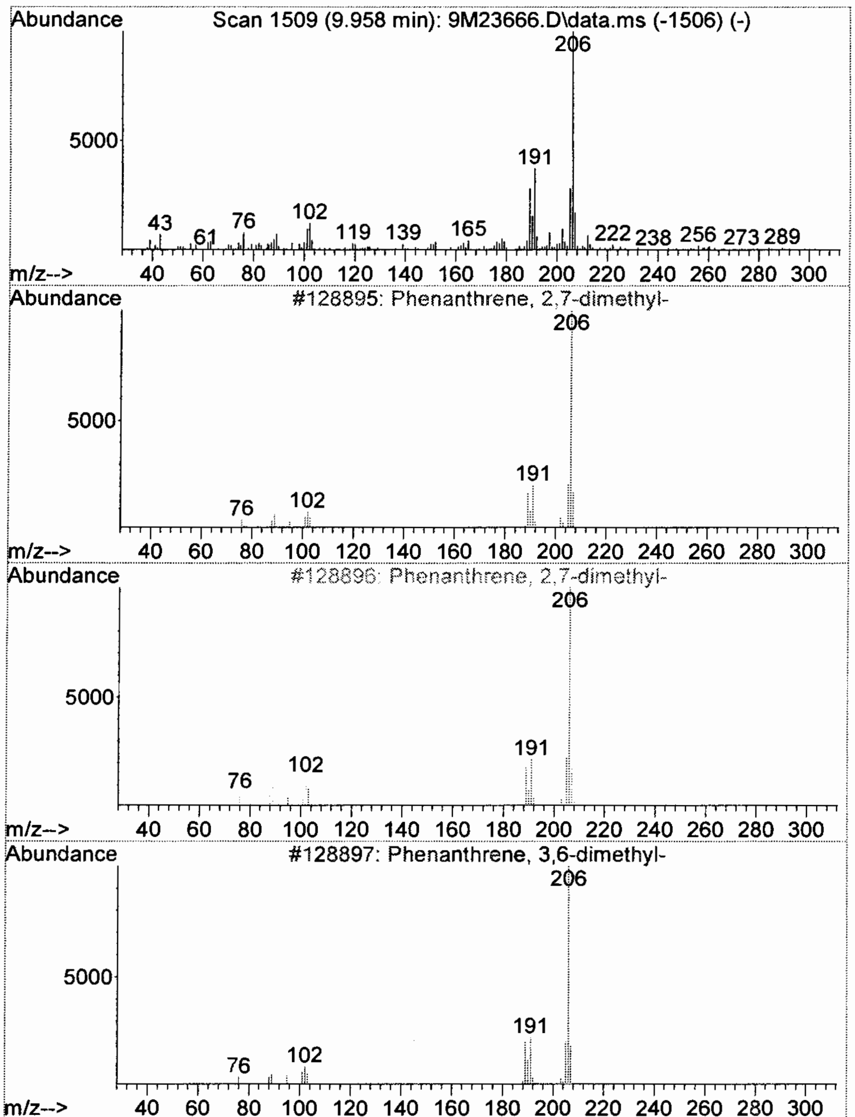
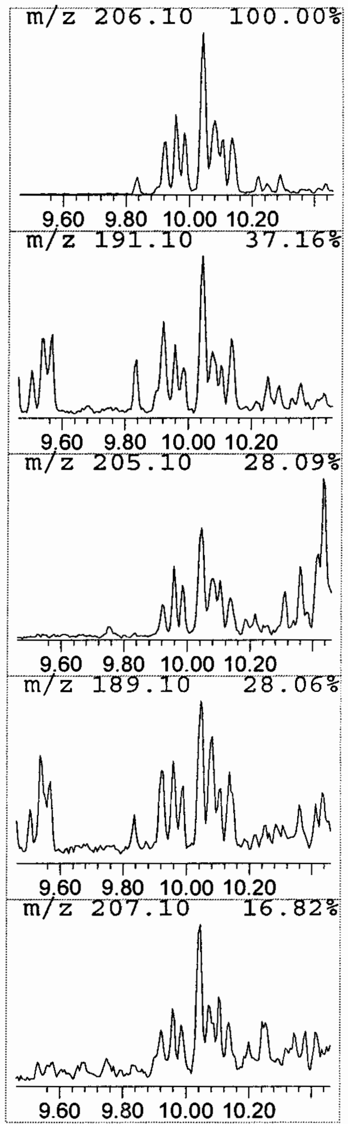
Peak Number 17 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	33.56 ng	251593	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89





Library Search Compound Report

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Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

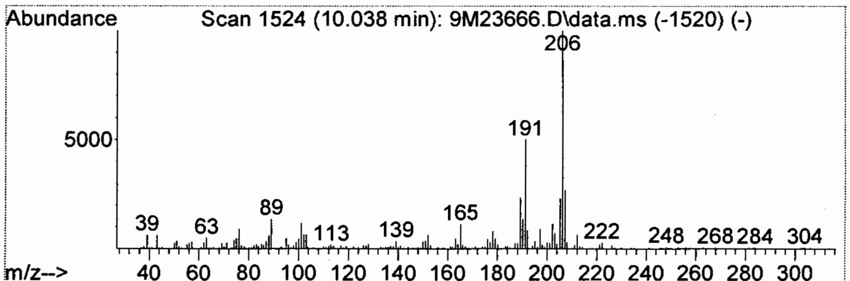
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

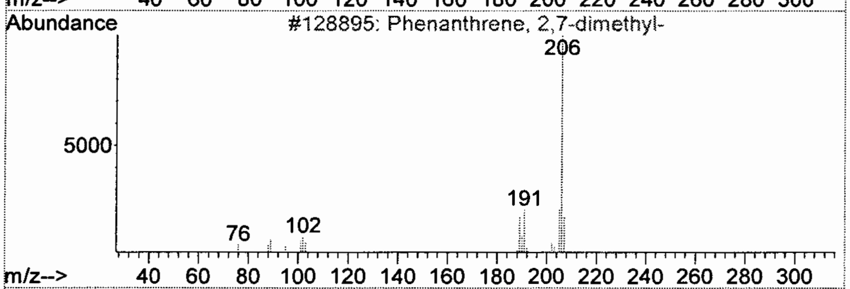
****

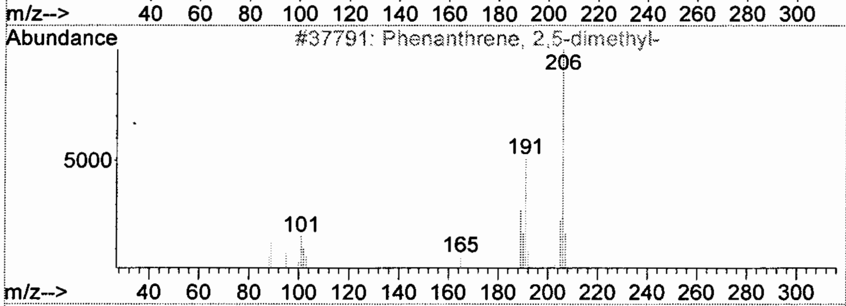
Peak Number 18 Phenanthrene, 2,7-dimethyl- Concentration Rank 2

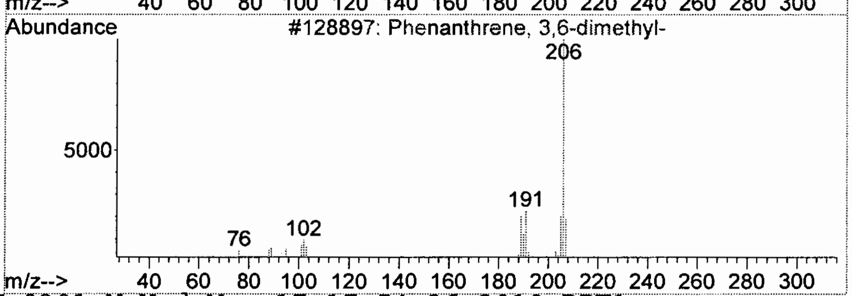
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	72.89 ng	546478	LibIS-Phenanthrene-d10	8.89

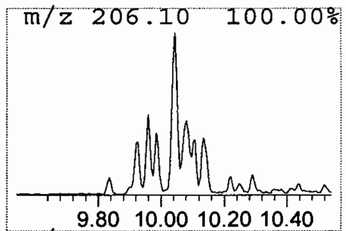
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
4	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93

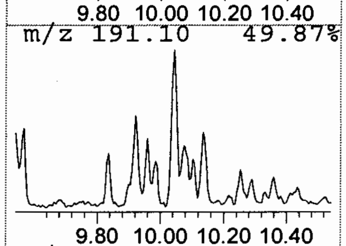


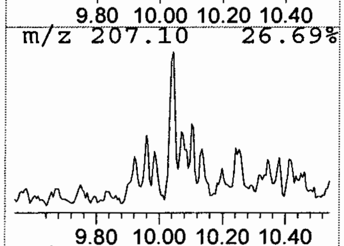


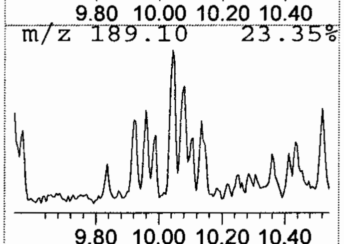


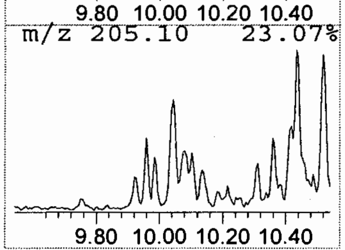












Library Search Compound Report

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Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

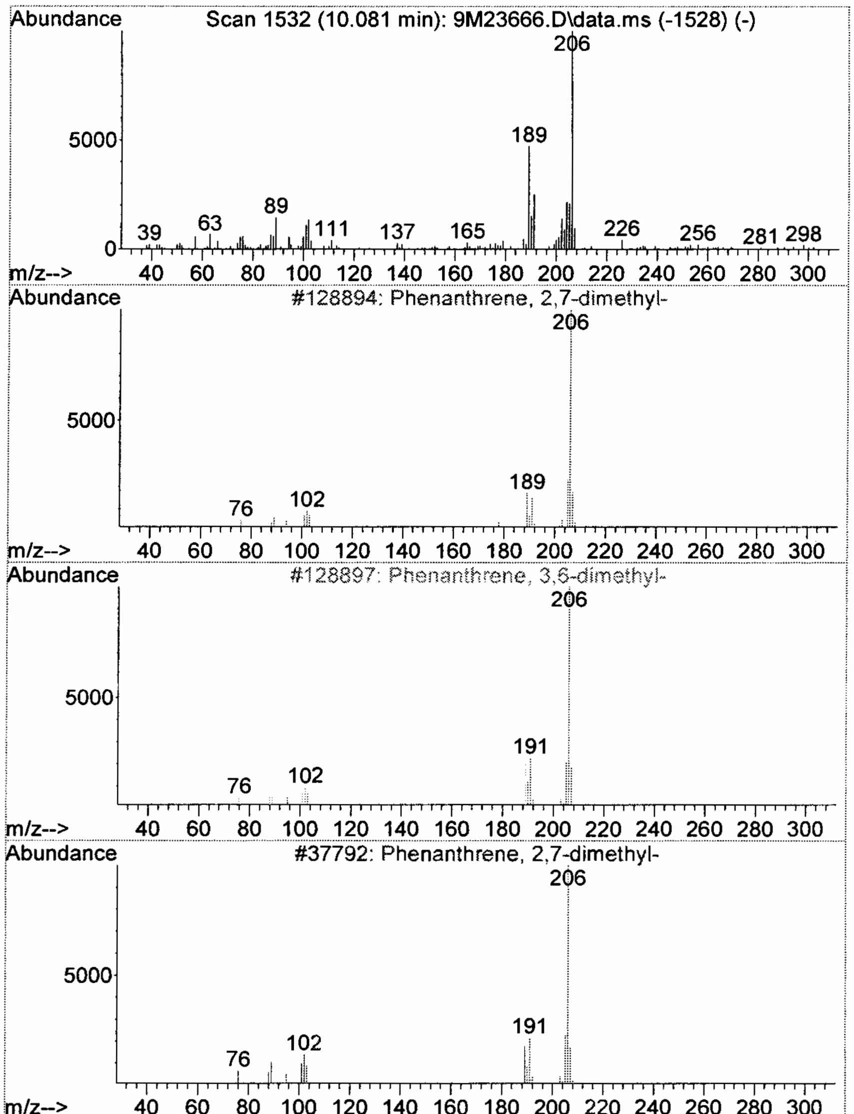
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

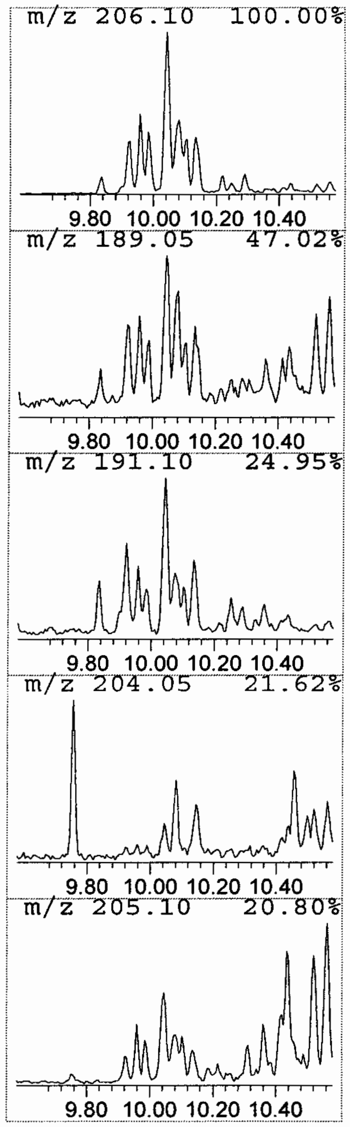
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	32.85 ng	246308	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





Library Search Compound Report

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Operator  : AHD
Sample    : AC50199-001(2X)
Misc      : S,BNA:2
ALS Vial  : 16   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

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

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Peak Number 20  Phenanthrene, 2,5-dimethyl-     Concentration Rank 14
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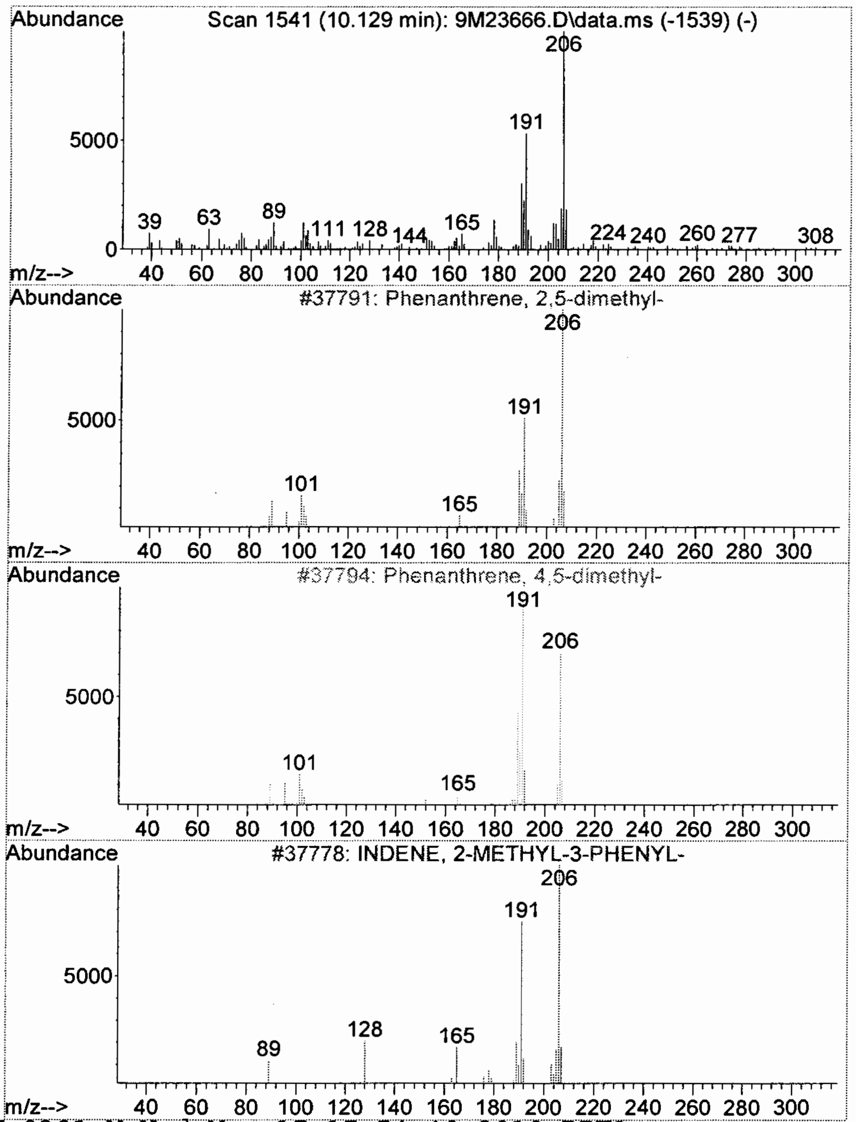
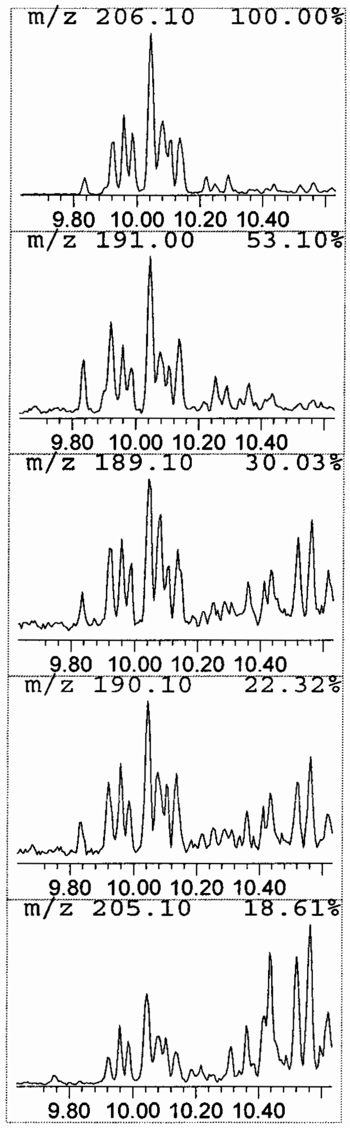
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	28.89 ng	216598	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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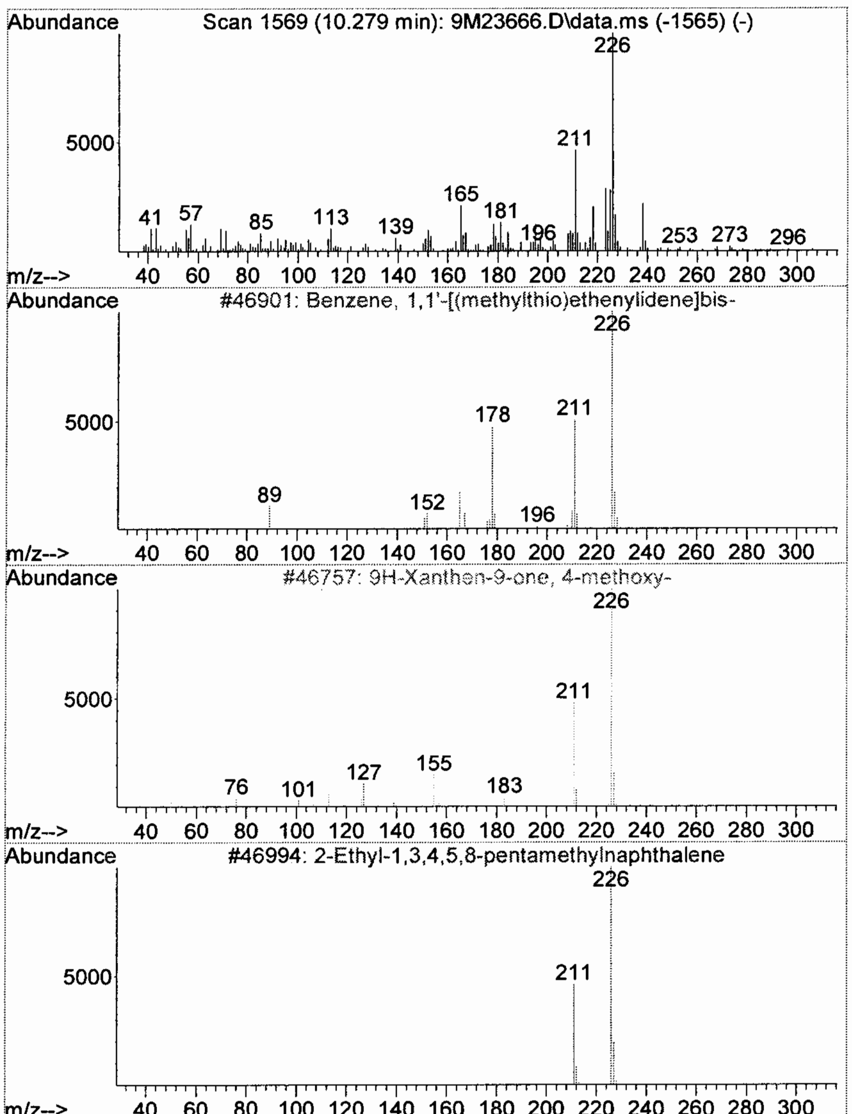
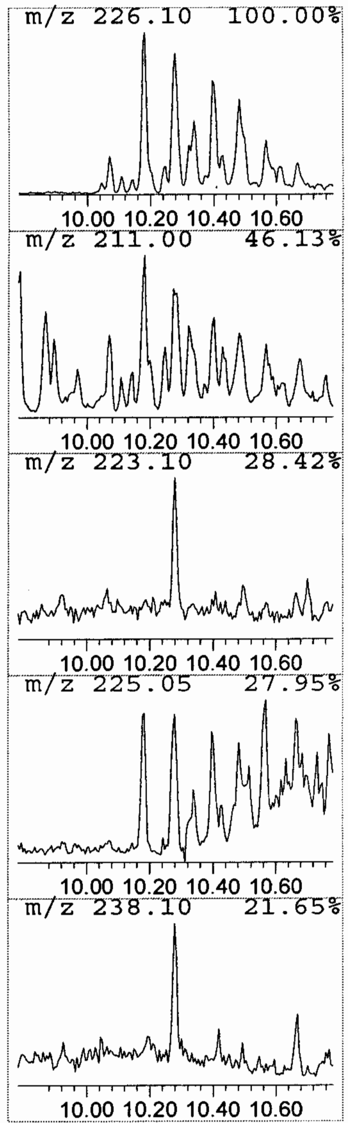
Peak Number 21 Benzene, 1,1'-[(methylthio)... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	29.36 ng	220097	LibIS-Phenanthrene-d10	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	53
2	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	49
3	2-Ethyl-1,3,4,5,8-pentamethylnap...	226	C17H22	071185-29-0	47
4	1-Propene-2-thiol, 1,1-diphenyl-	226	C15H14S	074630-83-4	47
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	43





Library Search Compound Report

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Operator  : AHD
Sample    : AC50199-001(2X)
Misc      : S,BNA:2
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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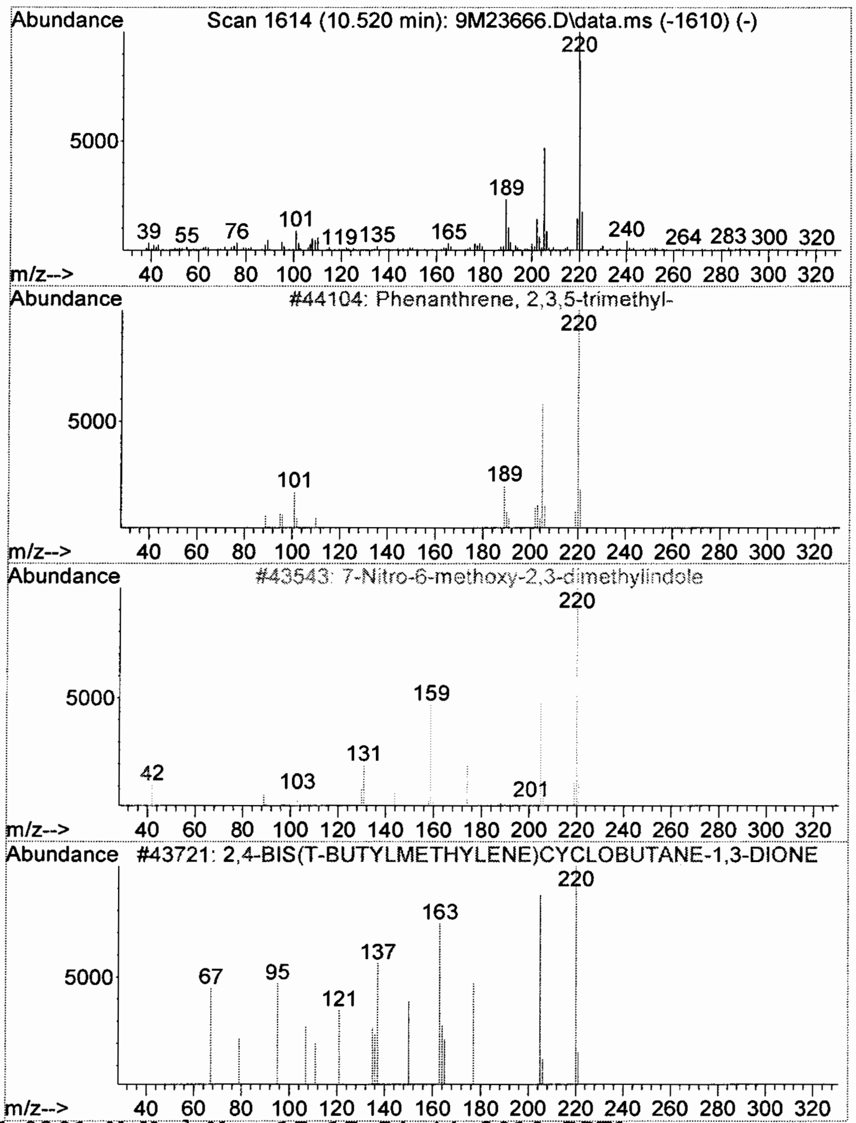
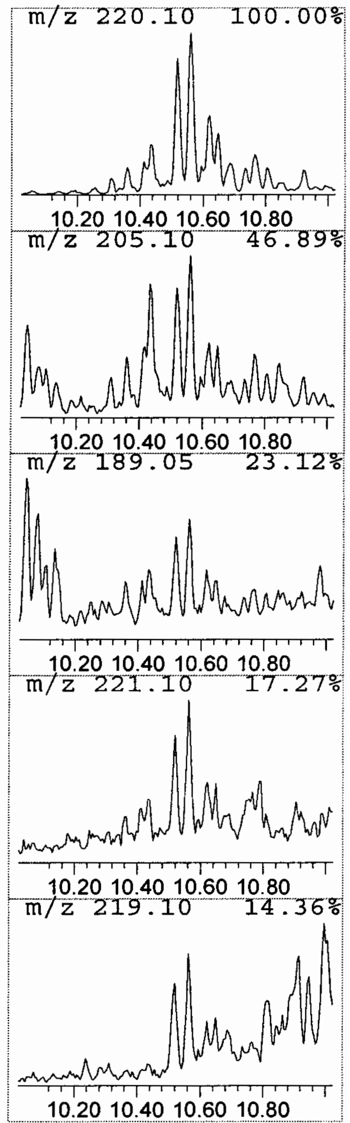
Peak Number 22 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	31.53 ng	242741	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
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	53
4	EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	53
5	5-Hydroxy-6-methoxy-4,8-dimethyl...	220	C13H16O3	062192-87-4	53





Library Search Compound Report

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Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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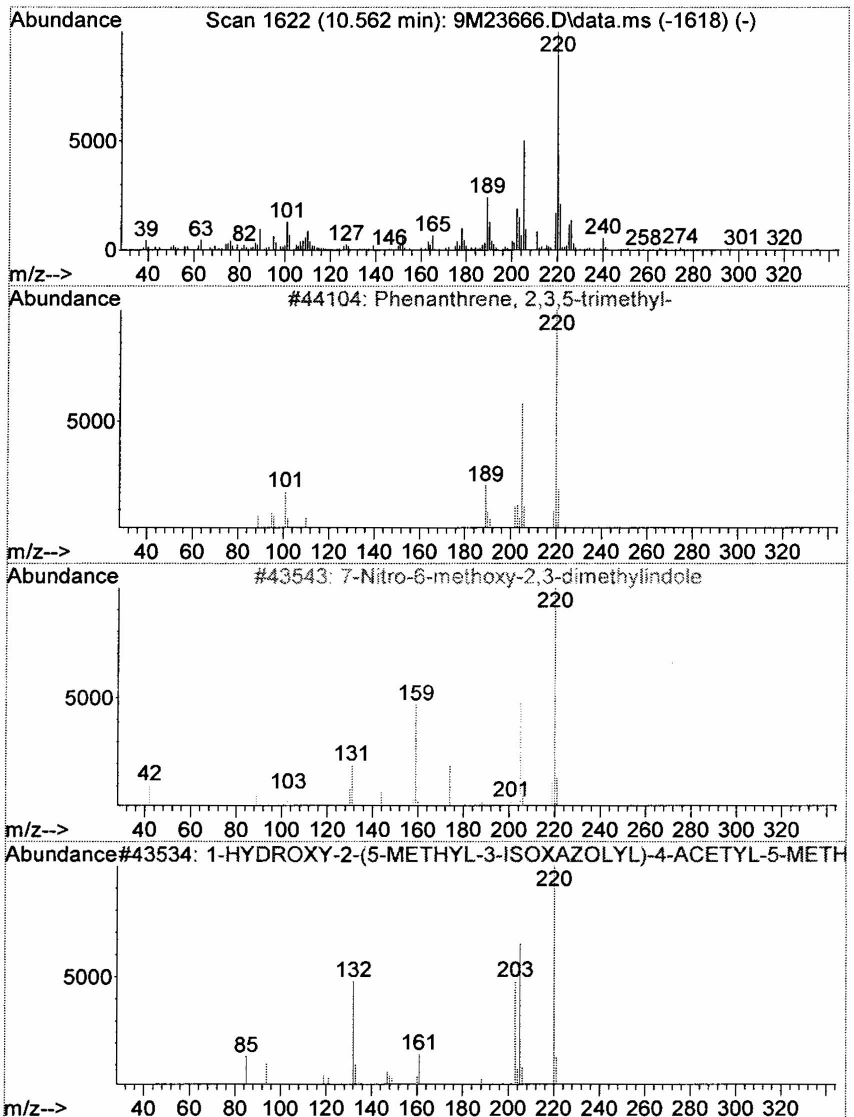
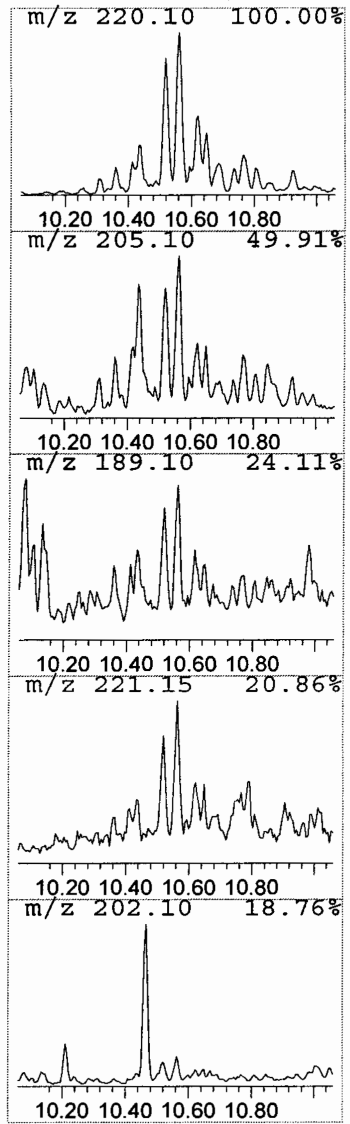
Peak Number 23 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	46.41 ng	357299	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	89
2	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
3	1-HYDROXY-2-(5-METHYL-3-ISOXAZOL...	220	C11H12N2O3	068576-19-2	50
4	4-O-TOLYL-5-METHYLIMINO-4,5-DIHY...	220	C10H12N4S	055695-42-6	43
5	1H-Pyrazole, 3,4-diphenyl-	220	C15H12N2	024567-08-6	43





Library Search Compound Report

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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

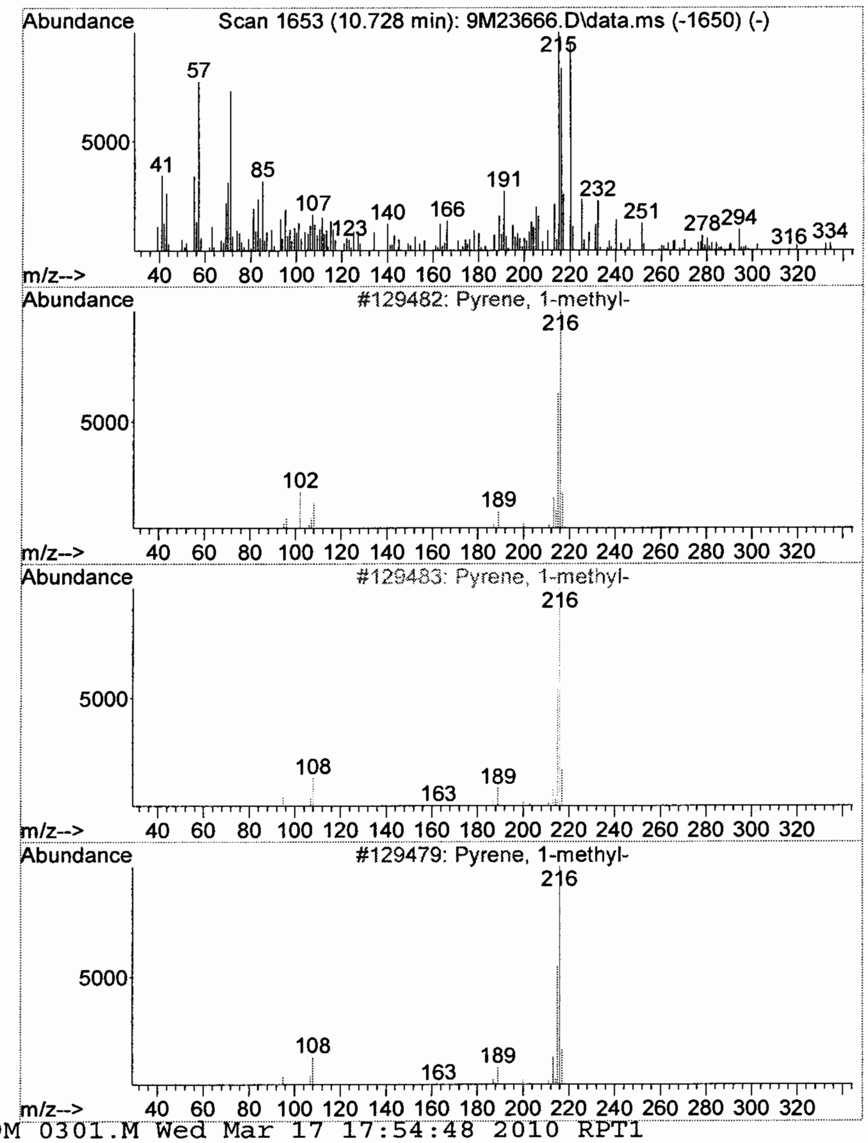
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

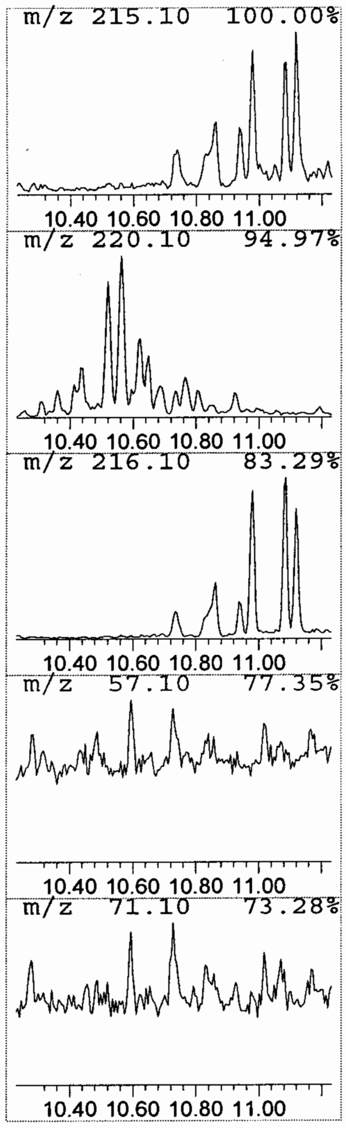
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 unknown Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	21.39 ng	164680	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
4	4-Acetyl-4,5-dichlorocyclohexene...	220	C8H6Cl2O3	079755-93-4	27
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	22





Library Search Compound Report

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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

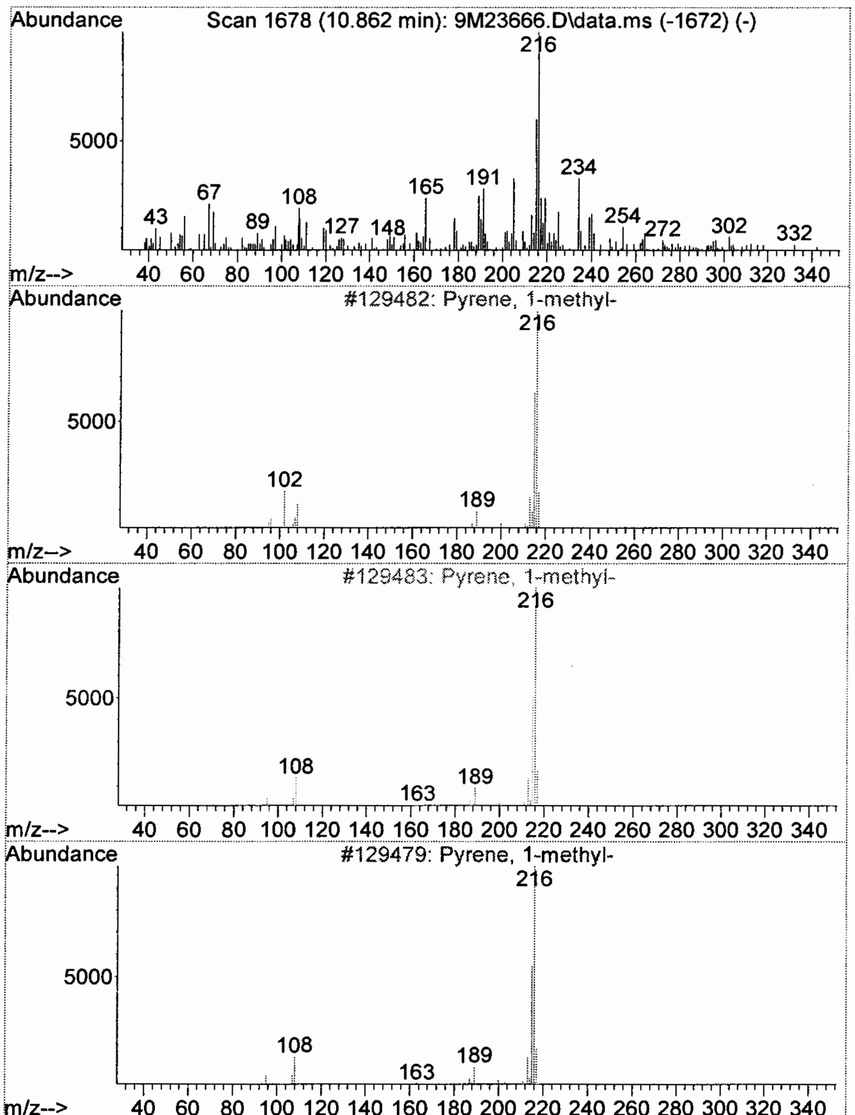
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

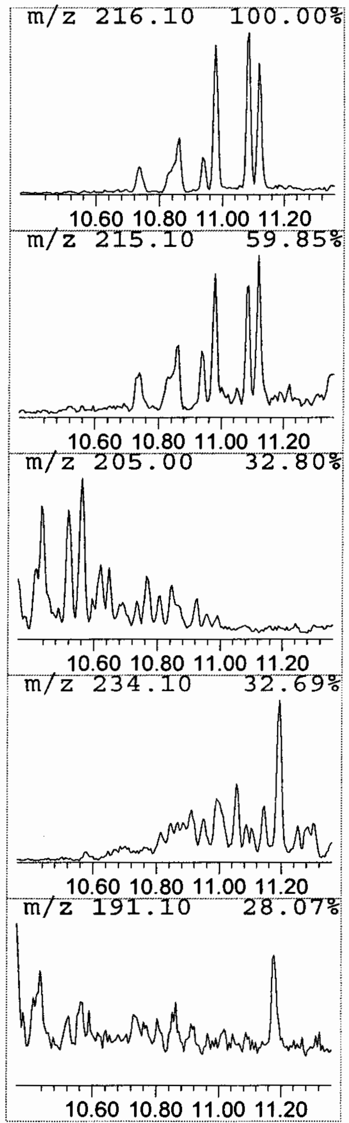
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	32.53 ng	250456	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	35
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	30





Library Search Compound Report

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Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

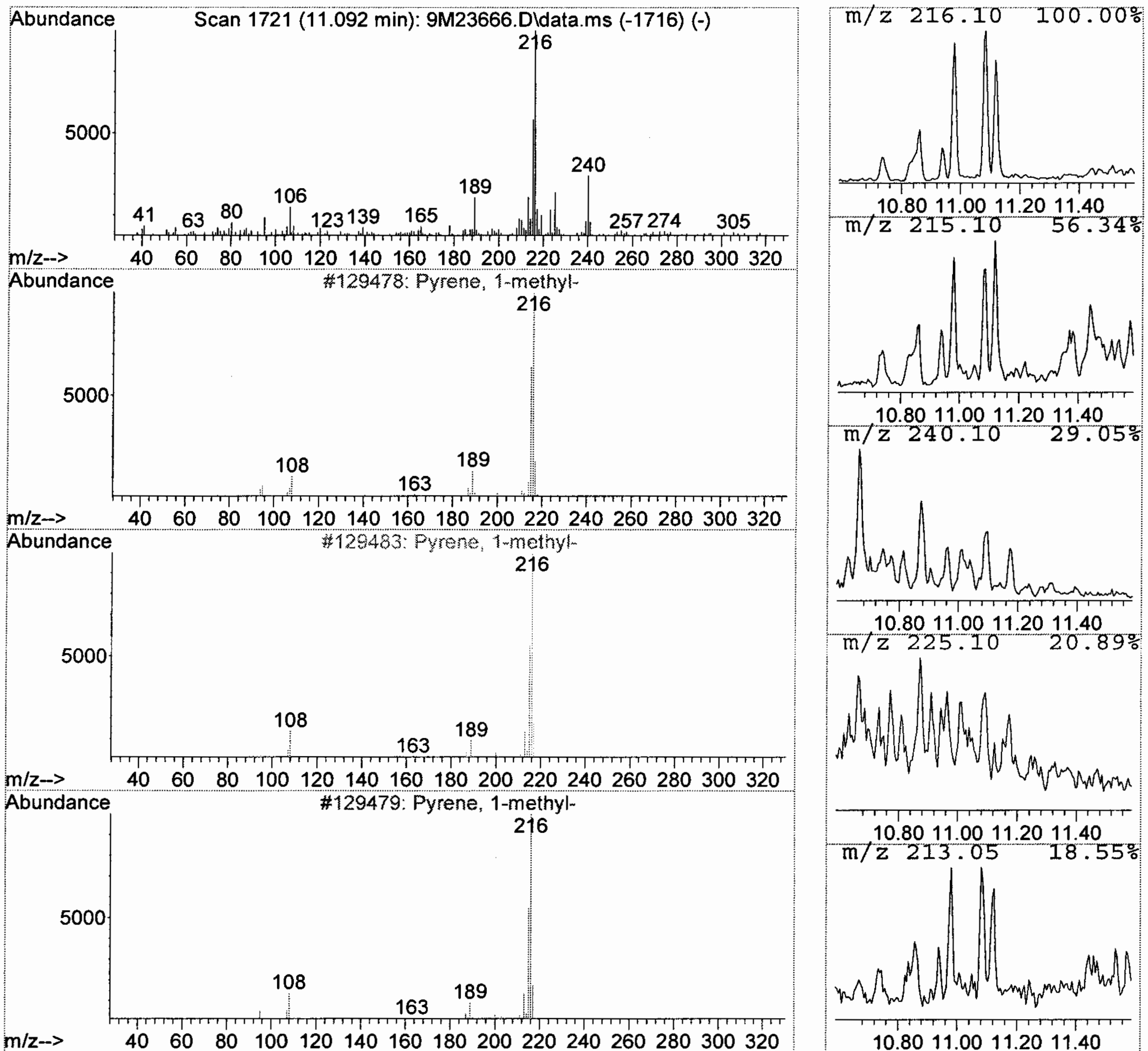
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

Peak Number 26 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	22.51 ng	173338	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Library Search Compound Report

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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

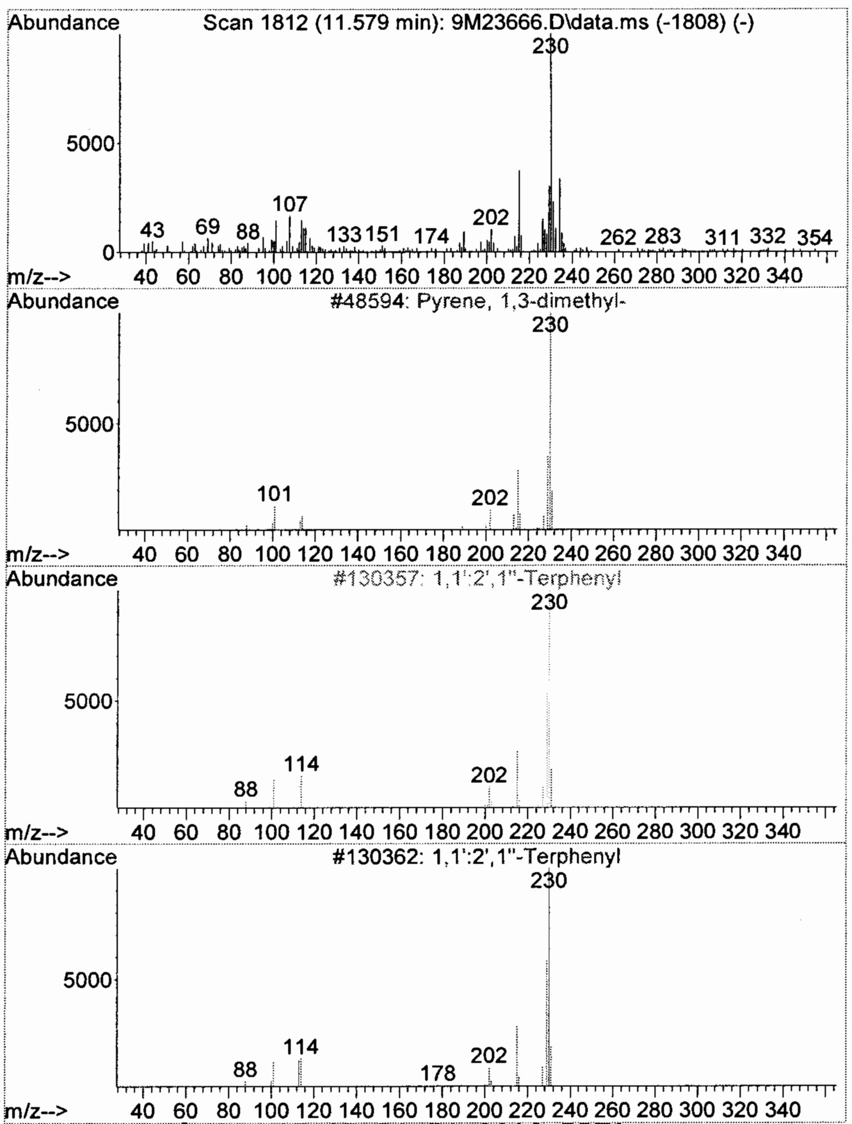
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

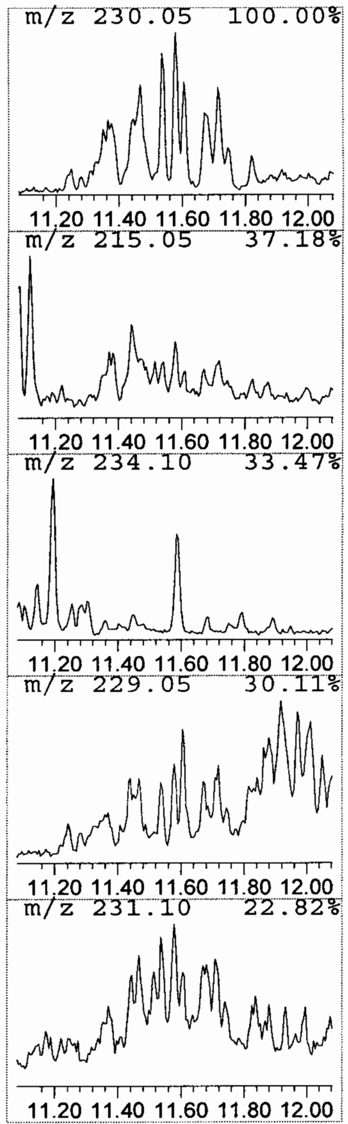
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Pyrene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	23.77 ng	183047	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	95
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	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	78
5	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	64





Library Search Compound Report

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Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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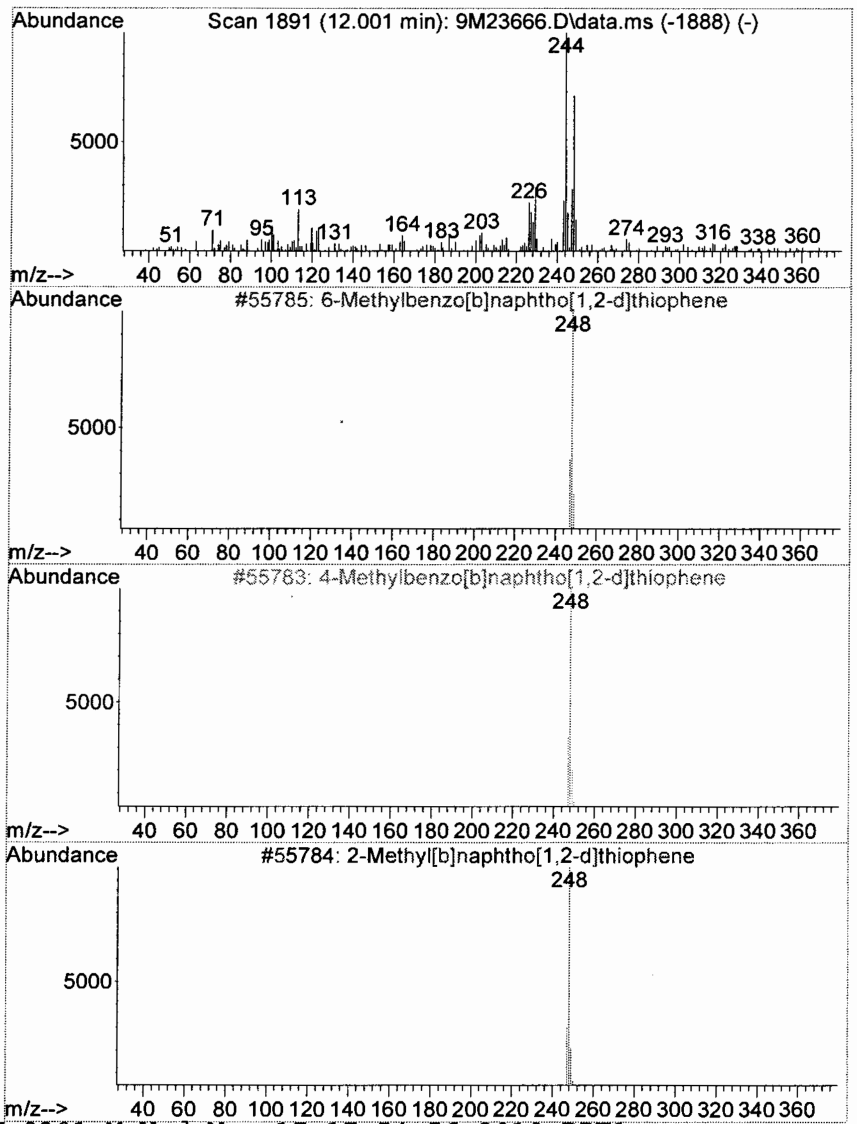
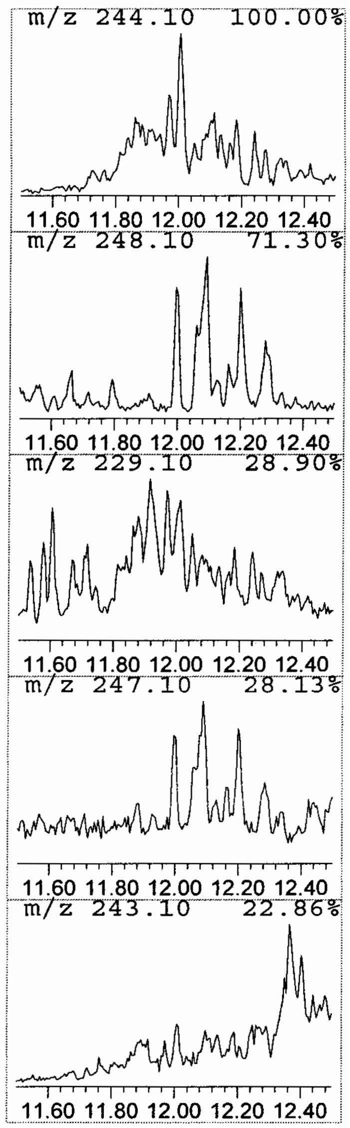
Peak Number 28 6-Methylbenzo[b]naphtho[1,2... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	20.35 ng	156696	LibIS-Chrysene-d12	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methylbenzo[b]naphtho[1,2-d]th...	248	C17H12S	084258-70-8	78
2	4-Methylbenzo[b]naphtho[1,2-d]th...	248	C17H12S	084258-61-7	64
3	2-Methyl[b]naphtho[1,2-d]thiophene	248	C17H12S	084258-64-0	64
4	8-Methylbenzo[b]naphtho[1,2-d]th...	248	C17H12S	084258-72-0	64
5	10-Methylbenzo[b]naphthpo[1,2-d]...	248	C17H12S	084258-74-2	64





Tentatively Identified Compound (LSC) summary

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Data File : 9M23666.D
Acq On : 10 Mar 2010 16:59
Operator : AHD
Sample : AC50199-001(2X)
Misc : S,BNA:2
ALS Vial : 16 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,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...	3.54	3098.3	ng	13797614	1	5.14	5.14	178133	40.0
Naphthalene, 1,6-...	7.18	22.6	ng	174879	3	7.51	7.51	309237	40.0
Naphthalene, 2,3-...	7.24	24.1	ng	186351	3	7.51	7.51	309237	40.0
Naphthalene, 1,2-...	7.33	19.6	ng	151749	3	7.51	7.51	309237	40.0
Naphthalene, 1,4,...	7.60	22.9	ng	177144	3	7.51	7.51	309237	40.0
Naphthalene, 1,6,...	7.78	20.9	ng	161284	3	7.51	7.51	309237	40.0
Tridecane	8.10	22.1	ng	171191	3	7.51	7.51	309237	40.0
Pentadecane, 2,6,...	8.35	39.4	ng	295717	4	8.89	8.89	299879	40.0
1,1'-Biphenyl, 4,...	8.53	21.9	ng	164377	4	8.89	8.89	299879	40.0
9H-Fluorene, 2,3-...	9.01	19.8	ng	148403	4	8.89	8.89	299879	40.0
Dibenzothiophene,...	9.24	34.1	ng	255600	4	8.89	8.89	299879	40.0
Anthracene, 2-met...	9.42	37.9	ng	283763	4	8.89	8.89	299879	40.0
Anthracene, 2-met...	9.45	28.5	ng	213408	4	8.89	8.89	299879	40.0
Phenanthrene, 4-m...	9.54	35.5	ng	266396	4	8.89	8.89	299879	40.0
2,8-Dimethyldiben...	9.87	19.7	ng	147936	4	8.89	8.89	299879	40.0
Phenanthrene, 2,7...	9.92	30.8	ng	230734	4	8.89	8.89	299879	40.0
Phenanthrene, 2,7...	9.96	33.6	ng	251593	4	8.89	8.89	299879	40.0
Phenanthrene, 2,7...	10.04	72.9	ng	546478	4	8.89	8.89	299879	40.0
Phenanthrene, 2,7...	10.08	32.9	ng	246308	4	8.89	8.89	299879	40.0
Phenanthrene, 2,5...	10.13	28.9	ng	216598	4	8.89	8.89	299879	40.0
Benzene, 1,1'-[(m...	10.28	29.4	ng	220097	4	8.89	8.89	299879	40.0
Phenanthrene, 2,3...	10.52	31.5	ng	242741	5	11.89	11.89	307971	40.0
Phenanthrene, 2,3...	10.56	46.4	ng	357299	5	11.89	11.89	307971	40.0
unknown	10.73	21.4	ng	164680	5	11.89	11.89	307971	40.0
unknown	10.86	32.5	ng	250456	5	11.89	11.89	307971	40.0
Pyrene, 1-methyl-	11.09	22.5	ng	173338	5	11.89	11.89	307971	40.0
Pyrene, 1,3-dimet...	11.58	23.8	ng	183047	5	11.89	11.89	307971	40.0
6-Methylbenzo[b]n...	12.00	20.4	ng	156696	5	11.89	11.89	307971	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-002
Client Id: PI-01-TP-RAS3030410SO1
Data File: 9M23667.D
Analysis Date: 03/10/10 17:22
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U	191-24-2	Benzo[g,h,i]perylene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.12	U
95-95-4	2,4,5-Trichlorophenol	0.12	U	65-85-0	Benzoic Acid	0.60	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	0.60	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	U
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**	**0.62**	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**	**0.18**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.60	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	0.60	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**	**0.16**
83-32-9	Acenaphthene	0.12	U	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	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
92-87-5	Benzidine	0.60	U	87-86-5	Pentachlorophenol	0.60	U
56-55-3	Benzo[a]anthracene	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.32**
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**	**0.14**

Worksheet #: 145846

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: AC50199-002
Client Id: PI-01-TP-RAS3030410
Data File: 9M23667.D
Analysis Date: 03/10/10 17:22
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	2.55	1.7 J
2	141-79-7	3-Penten-2-one, 4-methyl-	2.66	1.5 JAB
3		unknown	3.18	1.1 JB
4	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.62	350 JAB
5		unknown	4.31	0.73 JB
6	5131-66-8	2-Propanol, 1-butoxy-	4.54	0.48 J
7		unknown	5.09	0.94 J
8	90-12-0	Naphthalene, 1-methyl-	6.77	0.65 J
9	939-27-5	Naphthalene, 2-ethyl-	7.12	0.35 J
10		unknown	7.17	1.1 J
11	575-41-7	Naphthalene, 1,3-dimethyl-	7.23	0.50 J
12	60212-30-8	3-Undecyne	9.80	0.86 J
13	67315-82-6	cis-3-methoxy-2-(phenylthio)-3-cyclohex	9.83	0.38 J
14		unknown	9.93	6.2 J
15	112-95-8	Eicosane	10.15	0.36 J
16	76319-77-2	10-Methoxybenz[a]azulen-1,4-dione	10.28	7.1 J
17	16914-12-8	(E,E)-2,5-Diphenyl-2,4-hexadiene	10.81	2.4 J
18	593-45-3	Octadecane	11.01	0.41 J
19	2236-60-4	4(1H)-Pteridinone, 2-amino-	11.71	1.6 J
20	88344-61-0	Dimethyl diester of 2-(3,4-dimethoxyphe	12.69	0.67 J
21		unknown	13.85	0.40 J
22		unknown	14.56	0.35 J
23	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	14.92	1.6 J
24		unknown	15.41	0.46 J
25		unknown	15.50	0.40 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 380

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)

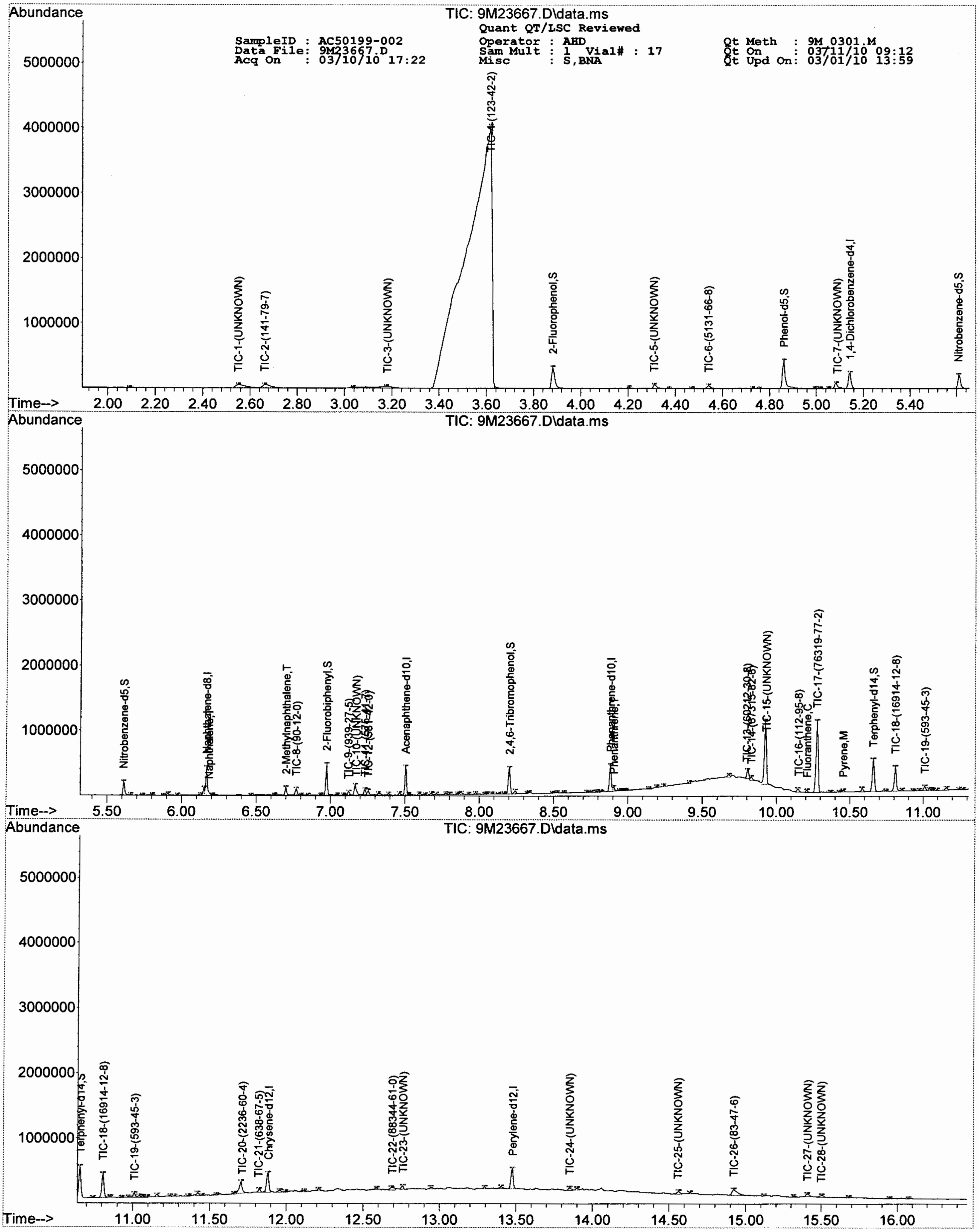
SampleID : AC50199-002 Operator : AHD Qt Meth : 9M_0301.M
Data File: 9M23667.D Sam Mult : 1 Vial# : 17 Qt On : 03/11/10 09:12
Acq On : 03/10/10 17:22 Misc : S,BNA Qt Upd On: 03/01/10 13:59

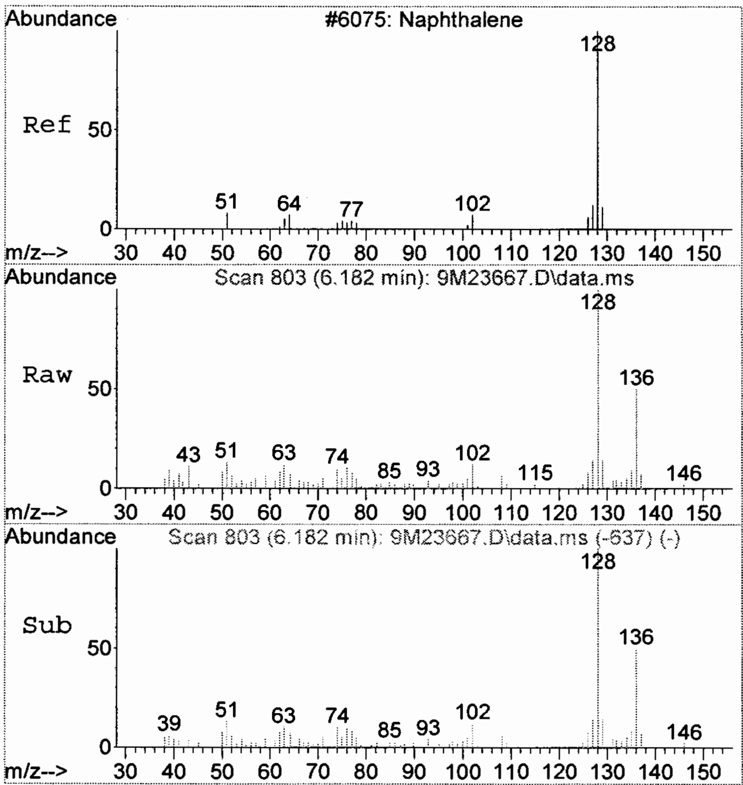
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.144	152	28385	40.00 ng	-0.12
29) Naphthalene-d8	6.166	136	123056	40.00 ng	-0.13
47) Acenaphthene-d10	7.503	164	67973	40.00 ng	-0.14
73) Phenanthrene-d10	8.883	188	116808	40.00 ng	-0.16
87) Chrysene-d12	11.884	240	110524	40.00 ng	-0.17
102) Perylene-d12	13.477	264	113538	40.00 ng	-0.18
System Monitoring Compounds					
10) 2-Fluorophenol	3.882	112	75993	99.57 ng	-0.13
Spiked Amount 100.000			Recovery =	99.57%	
15) Phenol-d5	4.861	99	108764	109.28 ng	-0.12
Spiked Amount 100.000			Recovery =	109.28%	
30) Nitrobenzene-d5	5.610	128	20926	40.57 ng	-0.13
Spiked Amount 50.000			Recovery =	81.14%	
52) 2-Fluorobiphenyl	6.973	172	96952	41.69 ng	-0.12
Spiked Amount 50.000			Recovery =	83.38%	
76) 2,4,6-Tribromophenol	8.204	330	33668	155.06 ng	-0.15
Spiked Amount 100.000			Recovery =	155.06%	
90) Terphenyl-d14	10.659	244	136056	42.90 ng	-0.17
Spiked Amount 50.000			Recovery =	85.80%	
Target Compounds					Qvalue
39) Naphthalene	6.182	128	8456	2.70 ng	94
44) 2-Methylnaphthalene	6.701	142	22292	10.43 ng	96
82) Phenanthrene	8.904	178	18329	5.39 ng	97
86) Fluoranthene	10.209	202	11077	2.99 ng	97
88) Pyrene	10.455	202	10652	2.39 ng	91
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.144		198823	40.00 ng	--
2) Naphthalene-d8	6.166		306512m	40.00 ng	--
3) Acenaphthene-d10	7.503		354535m	40.00 ng	--
4) Phenanthrene-d10	8.883		360300m	40.00 ng	--
5) Chrysene-d12	11.884		356660	40.00 ng	--
6) Perylene-d12	13.477		336485	40.00 ng	--
Library Search Compounds					
1) UNKNOWN	2.550		144136	29.00 ng	--
2) 141-79-7	2.660		122304	24.61 ng	91
3) UNKNOWN	3.180		92469	18.60 ng	--
4) 123-42-2	3.620		29580663	5951.16 ng	50
5) UNKNOWN	4.310		60932	12.26 ng	--
6) 5131-66-8	4.540		40255	8.10 ng	53
7) UNKNOWN	5.090		78818	15.86 ng	--
8) 90-12-0	6.770		83709	10.92 ng	93
9) 939-27-5	7.120		51544	5.82 ng	83
10) UNKNOWN	7.170		157118	17.73 ng	--
11) 575-41-7	7.230		73770	8.32 ng	94
12) 581-42-0	7.250		50841	5.74 ng	90
13) 60212-30-8	9.800		130780	14.52 ng	53
14) 67315-82-6	9.830		57577	6.39 ng	50
15) UNKNOWN	9.930		942001	104.58 ng	--
16) 112-95-8	10.150		53946	5.99 ng	80
17) 76319-77-2	10.280		1073910	119.22 ng	91
18) 16914-12-8	10.810		360355	40.41 ng	91
19) 593-45-3	11.010		61154	6.86 ng	76
20) 2236-60-4	11.710		241940	27.13 ng	50
21) 638-67-5	11.820		50198	5.63 ng	86
22) 88344-61-0	12.690		94383	11.22 ng	53
23) UNKNOWN	12.760		48161	5.73 ng	--
24) UNKNOWN	13.850		56739	6.74 ng	--
25) UNKNOWN	14.560		49954	5.94 ng	--
26) 83-47-6	14.920		222561	26.46 ng	81
27) UNKNOWN	15.410		65284	7.76 ng	--
28) UNKNOWN	15.500		56069	6.67 ng	--

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

lle

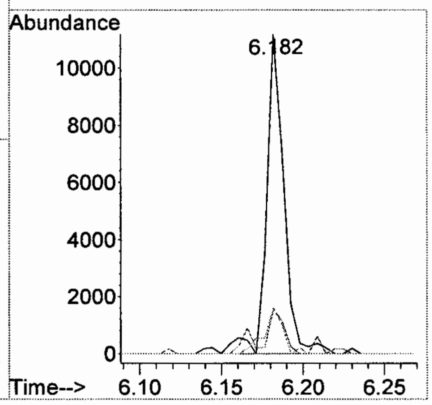

Abundance
TIC: 9M23667.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-002
Data File: 9M23667.D
Acq On : 03/10/10 17:22
Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : S,BNA
Qt Meth : 9M_0301.M
Qt On : 03/11/10 09:12
Qt Upd On: 03/01/10 13:59
TIC-1-(UNKNOWN)
TIC-2-(141-79-7)
TIC-3-(UNKNOWN)
TIC-4-(123-42-2)
2-Fluorophenol,S
TIC-5-(UNKNOWN)
TIC-6-(5131-66-8)
Phenol-d5,S
TIC-7-(UNKNOWN)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
TIC-8-(90-12-0)
2-Fluorobiphenyl,S
TIC-9-(939-27-5)
TIC-10-(UNKNOWN)
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
TIC-15-(UNKNOWN)
TIC-16-(112-95-8)
Fluoranthene,C
TIC-17-(76319-77-2)
Pyrene,M
Terphenyl-d14,S
TIC-18-(16914-12-8)
TIC-19-(593-45-3)
Terphenyl-d14,S
TIC-18-(16914-12-8)
TIC-19-(593-45-3)
TIC-20-(2236-60-4)
TIC-21-(638-67-5)
Chrysene-d12,I
TIC-22-(88344-61-0)
TIC-23-(UNKNOWN)
Perylene-d12,I
TIC-24-(UNKNOWN)
TIC-25-(UNKNOWN)
TIC-26-(83-47-6)
TIC-27-(UNKNOWN)
TIC-28-(UNKNOWN)

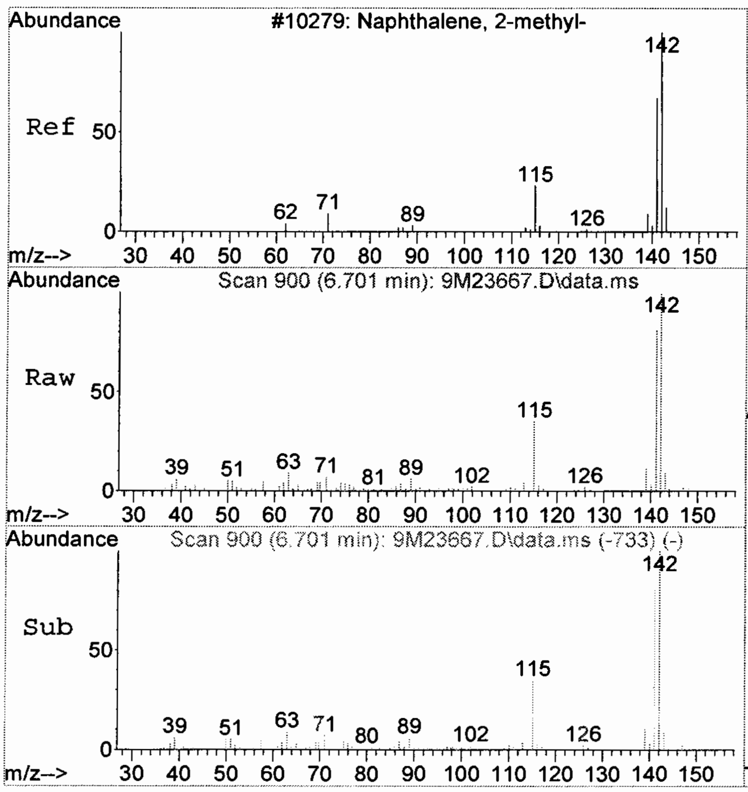


#39
Naphthalene
Concen: 2.70 ng
RT: 6.182 min Scan# 803
Delta R.T. -0.127 min
Lab File: 9M23667.D
Acq: 10 Mar 2010 17:22

Tgt Ion:128 Resp: 8456

Ion	Ratio	Lower	Upper
128	100		
129	13.9	0.0	50.9
127	14.1	0.0	52.4

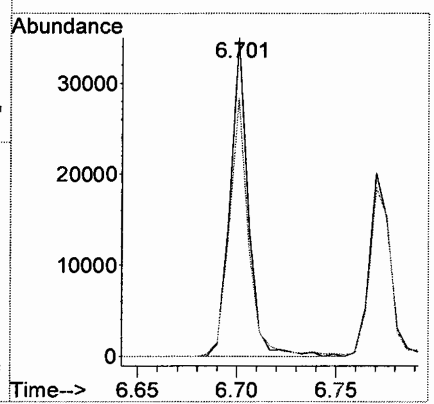


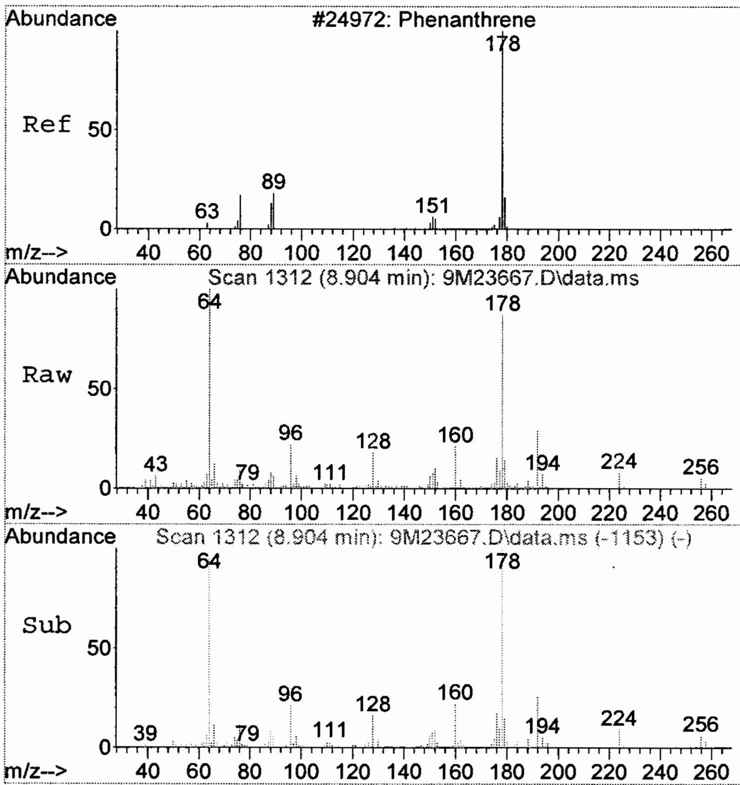


#44
2-Methylnaphthalene
Concen: 10.43 ng
RT: 6.701 min Scan# 900
Delta R.T. -0.121 min
Lab File: 9M23667.D
Acq: 10 Mar 2010 17:22

Tgt Ion:142 Resp: 22292

Ion	Ratio	Lower	Upper
142	100		
141	81.1	44.6	124.6

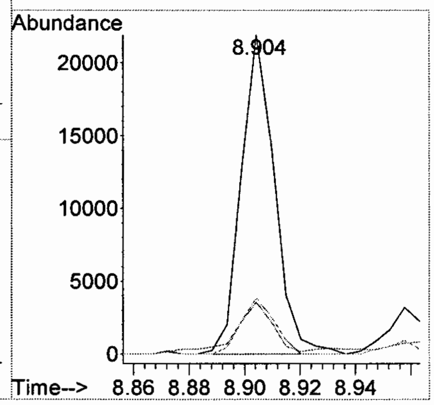


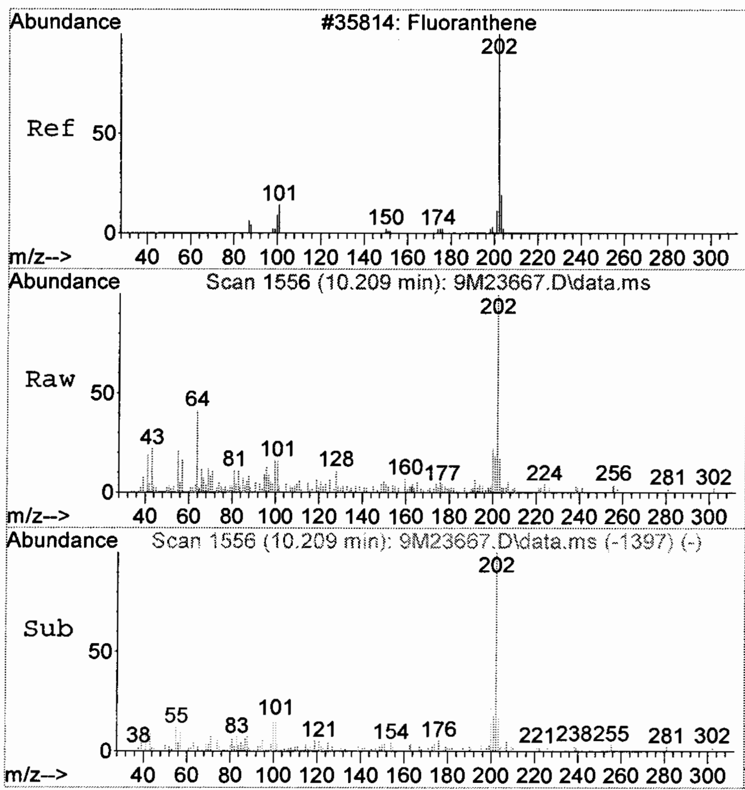


#82
Phenanthrene
Concen: 5.39 ng
RT: 8.904 min Scan# 1312
Delta R.T. -0.164 min
Lab File: 9M23667.D
Acq: 10 Mar 2010 17:22

Tgt Ion:178 Resp: 18329

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	55.5
176	17.5	0.0	59.3

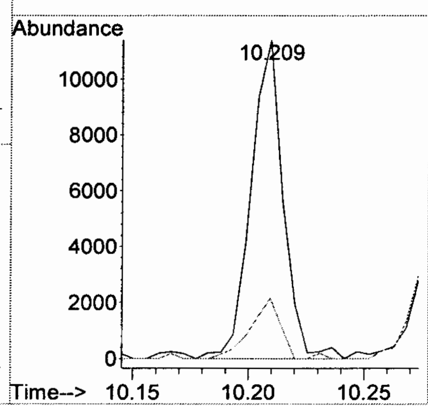


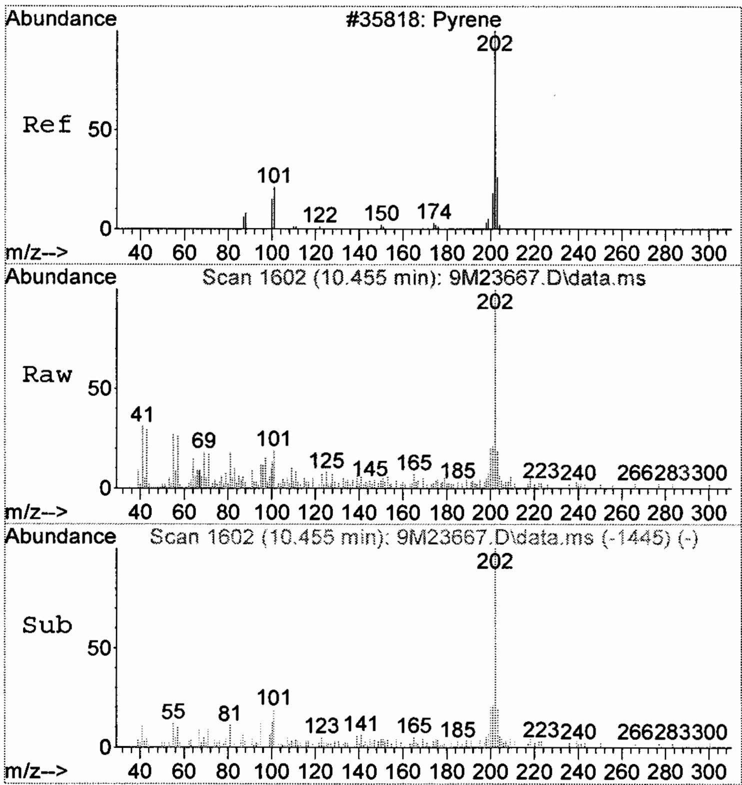


#86
Fluoranthene
Concen: 2.99 ng
RT: 10.209 min Scan# 1556
Delta R.T. -0.164 min
Lab File: 9M23667.D
Acq: 10 Mar 2010 17:22

Tgt Ion:202 Resp: 11077

Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	57.6

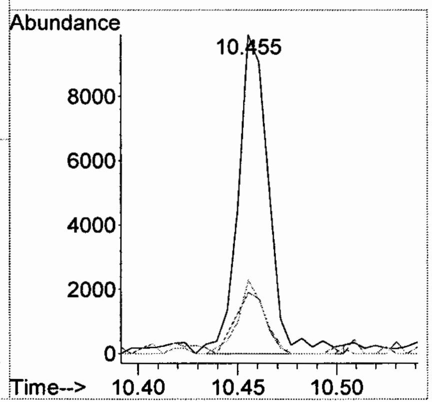




#88
Pyrene
Concen: 2.39 ng
RT: 10.455 min Scan# 1602
Delta R.T. -0.175 min
Lab File: 9M23667.D
Acq: 10 Mar 2010 17:22

Tgt Ion:202 Resp: 10652

Ion	Ratio	Lower	Upper
202	100		
101	19.6	0.0	62.2
100	23.5	0.0	57.8



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23667.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.090	36	38	45	rVB2	4494	6513	0.02%	0.016%
2	2.550	119	124	139	rBV3	49652	144136	0.49%	0.359%
3	2.662	140	145	162	rVB3	49570	122304	0.41%	0.305%
4	3.037	209	215	217	rBV2	14313	24305	0.08%	0.061%
5	3.176	234	241	256	rVB2	30012	92469	0.31%	0.231%
6	3.620	276	324	327	rBV	4031699	29580663	100.00%	73.749%
7	3.882	370	373	385	rVB	324728	297786	1.01%	0.742%
8	4.203	428	433	440	rBV	21305	21815	0.07%	0.054%
9	4.310	450	453	463	rBV	57088	60932	0.21%	0.152%
10	4.374	463	465	470	rVB2	5950	5886	0.02%	0.015%
11	4.470	478	483	488	rVB2	8081	12717	0.04%	0.032%
12	4.540	493	496	503	rVB	46170	40255	0.14%	0.100%
13	4.727	528	531	534	rBV2	7188	6739	0.02%	0.017%
14	4.754	534	536	542	rVB2	5190	6082	0.02%	0.015%
15	4.861	552	556	572	rBV	433844	399365	1.35%	0.996%
16	4.994	578	581	583	rBV	11518	10007	0.03%	0.025%
17	5.016	583	585	589	rVV4	6688	7120	0.02%	0.018%
18	5.053	589	592	595	rVB2	6542	6017	0.02%	0.015%
19	5.085	595	598	605	rBV	78072	78818	0.27%	0.197%
20	5.144	605	609	616	rVB	241634	199738	0.68%	0.498%
21	5.610	694	696	702	rVV	206061	161999	0.55%	0.404%
22	5.658	702	705	710	rVB	14921	10834	0.04%	0.027%
23	5.738	715	720	724	rBV3	6357	7468	0.03%	0.019%
24	5.802	729	732	734	rVB2	11412	7957	0.03%	0.020%
25	5.877	737	746	749	rBV6	3859	7983	0.03%	0.020%
26	5.909	749	752	757	rVB	26752	25989	0.09%	0.065%
27	5.973	761	764	767	rBV3	10457	10477	0.04%	0.026%
28	6.128	788	793	794	rBV2	17139	18907	0.06%	0.047%
29	6.150	794	797	798	rVV	119984	85487	0.29%	0.213%
30	6.166	798	800	806	rVV	435223	338941	1.15%	0.845%
31	6.209	806	808	817	rVB6	11934	22980	0.08%	0.057%
32	6.465	853	856	858	rBV2	8472	7783	0.03%	0.019%
33	6.626	884	886	888	rVB2	9856	5999	0.02%	0.015%
34	6.701	896	900	905	rBV	123438	87659	0.30%	0.219%
35	6.770	909	913	917	rBV2	97097	83709	0.28%	0.209%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	6.802	917	919	922	rVB4	7160	6108	0.02%	0.015%
37	6.850	926	928	930	rVB3	7678	5512	0.02%	0.014%
38	6.936	940	944	947	rBV3	8832	10463	0.04%	0.026%
39	6.973	947	951	954	rBV	476668	321259	1.09%	0.801%
40	7.043	961	964	966	rBV3	10627	9654	0.03%	0.024%
41	7.086	968	972	976	rBV7	6249	10147	0.03%	0.025%
42	7.123	976	979	983	rVB	50592	51544	0.17%	0.129%
43	7.166	983	987	992	rBV2	157304	157118	0.53%	0.392%
44	7.230	996	999	1001	rBV	86805	73770	0.25%	0.184%
45	7.252	1001	1003	1007	rVB	68064	50841	0.17%	0.127%
46	7.321	1013	1016	1022	rBV3	28662	38203	0.13%	0.095%
47	7.391	1022	1029	1034	rVB3	23305	27665	0.09%	0.069%
48	7.460	1039	1042	1046	rBV3	36427	35582	0.12%	0.089%
49	7.503	1046	1050	1053	rVV	437152	348653	1.18%	0.869%
50	7.524	1053	1054	1060	rVB6	15550	20945	0.07%	0.052%
51	7.594	1064	1067	1071	rBV	26045	35006	0.12%	0.087%
52	7.637	1073	1075	1077	rVB3	8655	6377	0.02%	0.016%
53	7.680	1077	1083	1086	rBV3	24994	27683	0.09%	0.069%
54	7.712	1086	1089	1092	rVV2	16333	14672	0.05%	0.037%
55	7.776	1098	1101	1104	rBV4	21655	24997	0.08%	0.062%
56	7.803	1104	1106	1108	rVB3	10125	7720	0.03%	0.019%
57	7.856	1111	1116	1118	rBV6	16362	23771	0.08%	0.059%
58	7.877	1118	1120	1125	rVB4	29931	38560	0.13%	0.096%
59	7.931	1125	1130	1133	rBV7	11389	15784	0.05%	0.039%
60	7.974	1135	1138	1141	rBV4	25177	26296	0.09%	0.066%
61	8.038	1145	1150	1151	rBV4	11238	11524	0.04%	0.029%
62	8.054	1151	1153	1156	rVV4	13264	12051	0.04%	0.030%
63	8.091	1156	1160	1163	rVV6	10429	11746	0.04%	0.029%
64	8.129	1163	1167	1171	rBV6	8109	10842	0.04%	0.027%
65	8.166	1171	1174	1176	rBV3	16182	14479	0.05%	0.036%
66	8.204	1176	1181	1185	rVV	401759	369841	1.25%	0.922%
67	8.241	1185	1188	1193	rVB	47705	44719	0.15%	0.111%
68	8.321	1199	1203	1204	rBV3	21402	20465	0.07%	0.051%
69	8.337	1204	1206	1207	rVB	13255	9048	0.03%	0.023%
70	8.492	1232	1235	1236	rBV3	11775	10905	0.04%	0.027%
71	8.525	1239	1241	1243	rVB3	12009	8749	0.03%	0.022%
72	8.573	1247	1250	1254	rVB6	13466	14553	0.05%	0.036%
73	8.722	1276	1278	1281	rBV4	11687	13451	0.05%	0.034%
74	8.760	1283	1285	1286	rVB2	11053	6145	0.02%	0.015%
75	8.792	1288	1291	1293	rBV3	14329	12359	0.04%	0.031%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

76	8.824	1293	1297	1299	rVV4	10605	12454	0.04%	0.031%
77	8.883	1304	1308	1311	rBV	407385	372845	1.26%	0.930%
78	8.904	1311	1312	1316	rVV	63557	39435	0.13%	0.098%
79	8.942	1316	1319	1321	rVV4	13709	14465	0.05%	0.036%
80	8.963	1321	1323	1325	rVV3	8347	8451	0.03%	0.021%
81	8.985	1325	1327	1330	rVV4	7978	8693	0.03%	0.022%
82	9.140	1352	1356	1360	rBV5	14891	30006	0.10%	0.075%
83	9.193	1364	1366	1368	rBV2	15240	9617	0.03%	0.024%
84	9.241	1373	1375	1379	rVB3	17641	14716	0.05%	0.037%
85	9.412	1404	1407	1409	rBV3	26864	34037	0.12%	0.085%
86	9.680	1454	1457	1459	rBV4	36081	38993	0.13%	0.097%
87	9.803	1477	1480	1483	rVV2	129671	130780	0.44%	0.326%
88	9.830	1483	1485	1491	rVB5	56624	57577	0.19%	0.144%
89	9.926	1498	1503	1507	rVB	980407	942001	3.18%	2.349%
90	10.145	1541	1544	1548	rVB	50855	53946	0.18%	0.134%
91	10.209	1553	1556	1561	rVB	33364	34392	0.12%	0.086%
92	10.279	1563	1569	1573	rBV	1100928	1073910	3.63%	2.677%
93	10.370	1583	1586	1589	rVB5	8525	8905	0.03%	0.022%
94	10.429	1594	1597	1599	rBV4	7984	9103	0.03%	0.023%
95	10.455	1599	1602	1607	rVB2	28080	32949	0.11%	0.082%
96	10.584	1623	1626	1629	rVB2	54966	48243	0.16%	0.120%
97	10.659	1635	1640	1645	rVB	491555	474573	1.60%	1.183%
98	10.744	1653	1656	1661	rVB7	16478	21635	0.07%	0.054%
99	10.808	1663	1668	1673	rBV	373191	360355	1.22%	0.898%
100	10.857	1673	1677	1679	rVB5	19165	20524	0.07%	0.051%
101	10.931	1689	1691	1693	rBV3	9889	11090	0.04%	0.028%
102	10.974	1696	1699	1701	rBV3	12452	10387	0.04%	0.026%
103	11.012	1703	1706	1709	rBV	63332	61154	0.21%	0.152%
104	11.044	1709	1712	1714	rVV4	26451	25405	0.09%	0.063%
105	11.065	1714	1716	1720	rVB5	17904	21137	0.07%	0.053%
106	11.097	1720	1722	1724	rBV3	12105	6929	0.02%	0.017%
107	11.161	1730	1734	1737	rBV6	33595	38008	0.13%	0.095%
108	11.247	1747	1750	1753	rVB4	17083	15250	0.05%	0.038%
109	11.274	1753	1755	1759	rVB5	14055	14728	0.05%	0.037%
110	11.365	1769	1772	1775	rBV5	14426	17362	0.06%	0.043%
111	11.424	1780	1783	1786	rVB4	45534	44847	0.15%	0.112%
112	11.450	1786	1788	1791	rBV4	11085	12703	0.04%	0.032%
113	11.547	1800	1806	1808	rBV7	20500	36513	0.12%	0.091%
114	11.659	1824	1827	1829	rBV4	18905	25921	0.09%	0.065%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

115	11.707	1830	1836	1842	rVB	179894	241940	0.82%	0.603%
116	11.825	1855	1858	1861	rVB2	52427	50198	0.17%	0.125%
117	11.884	1864	1869	1872	rBV	301987	331460	1.12%	0.826%
118	11.958	1880	1883	1888	rVB6	29361	37515	0.13%	0.094%
119	11.996	1888	1890	1893	rBV4	17280	19166	0.06%	0.048%
120	12.119	1907	1913	1916	rBV8	24109	46255	0.16%	0.115%
121	12.210	1928	1930	1936	rVB4	34259	45789	0.15%	0.114%
122	12.590	1997	2001	2003	rBV5	28712	32147	0.11%	0.080%
123	12.686	2015	2019	2024	rBV8	44358	94383	0.32%	0.235%
124	12.761	2029	2033	2035	rVB4	50681	48161	0.16%	0.120%
125	12.943	2065	2067	2072	rVB5	27823	29120	0.10%	0.073%
126	13.296	2131	2133	2137	rVB4	32047	27718	0.09%	0.069%
127	13.403	2151	2153	2158	rVB6	36195	39270	0.13%	0.098%
128	13.477	2162	2167	2171	rVB	311839	339331	1.15%	0.846%
129	13.852	2234	2237	2242	rBV6	41954	56739	0.19%	0.141%
130	13.900	2243	2246	2250	rVV6	26092	33288	0.11%	0.083%
131	14.563	2366	2370	2374	rBV7	44268	49954	0.17%	0.125%
132	14.638	2381	2384	2387	rBV5	20632	21417	0.07%	0.053%
133	14.922	2432	2437	2450	rVB7	91001	222561	0.75%	0.555%
134	15.119	2473	2474	2475	rBV	13429	6390	0.02%	0.016%
135	15.317	2508	2511	2517	rBV8	19759	31811	0.11%	0.079%
136	15.408	2524	2528	2534	rBV9	39186	65284	0.22%	0.163%
137	15.505	2541	2546	2551	rVB8	32027	56069	0.19%	0.140%
138	15.681	2577	2579	2580	rBV2	11808	7192	0.02%	0.018%
139	15.948	2627	2629	2633	rBV5	7876	8350	0.03%	0.021%
140	16.077	2650	2653	2654	rBV3	7487	7354	0.02%	0.018%

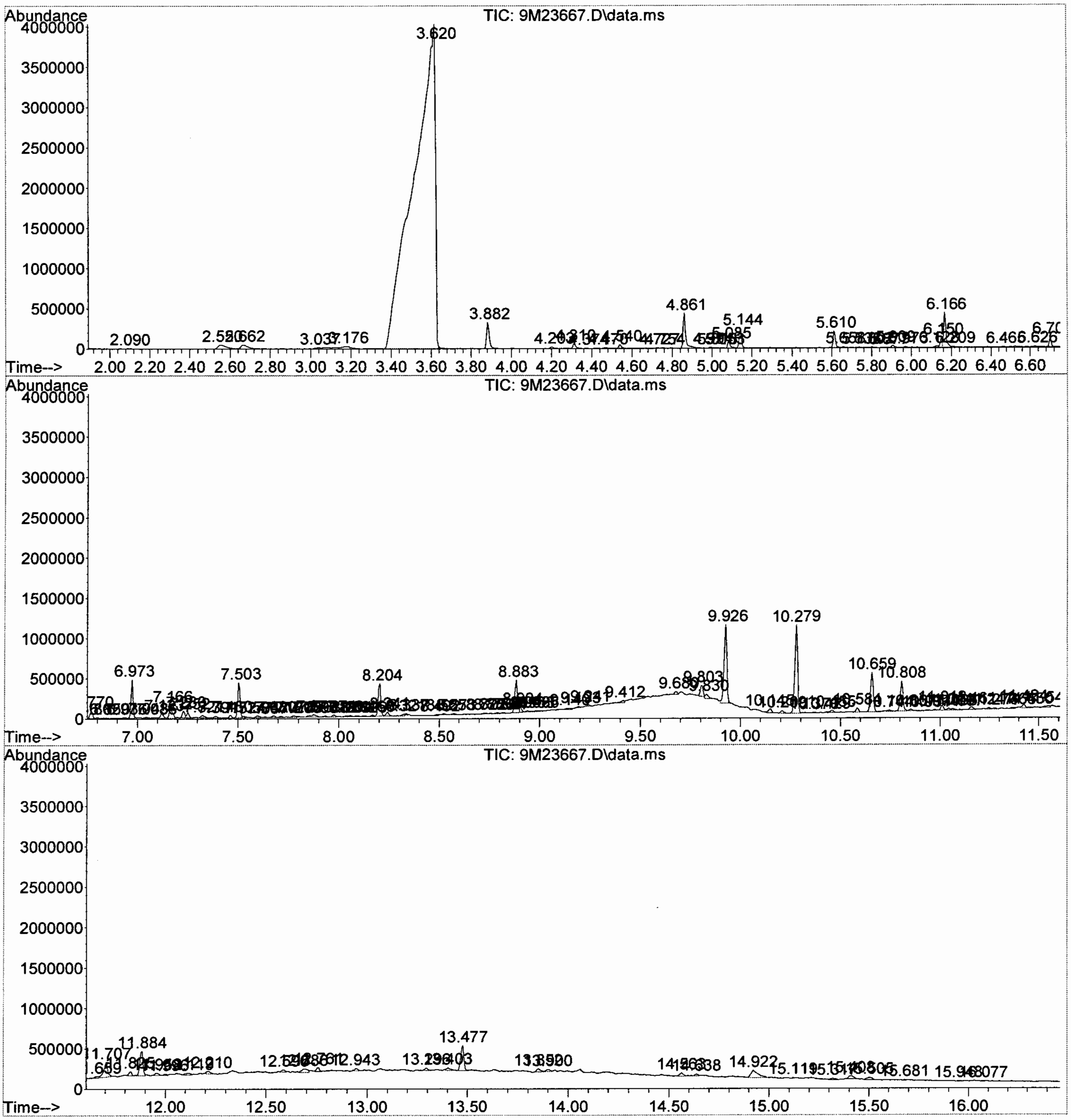
Sum of corrected areas: 40109947

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

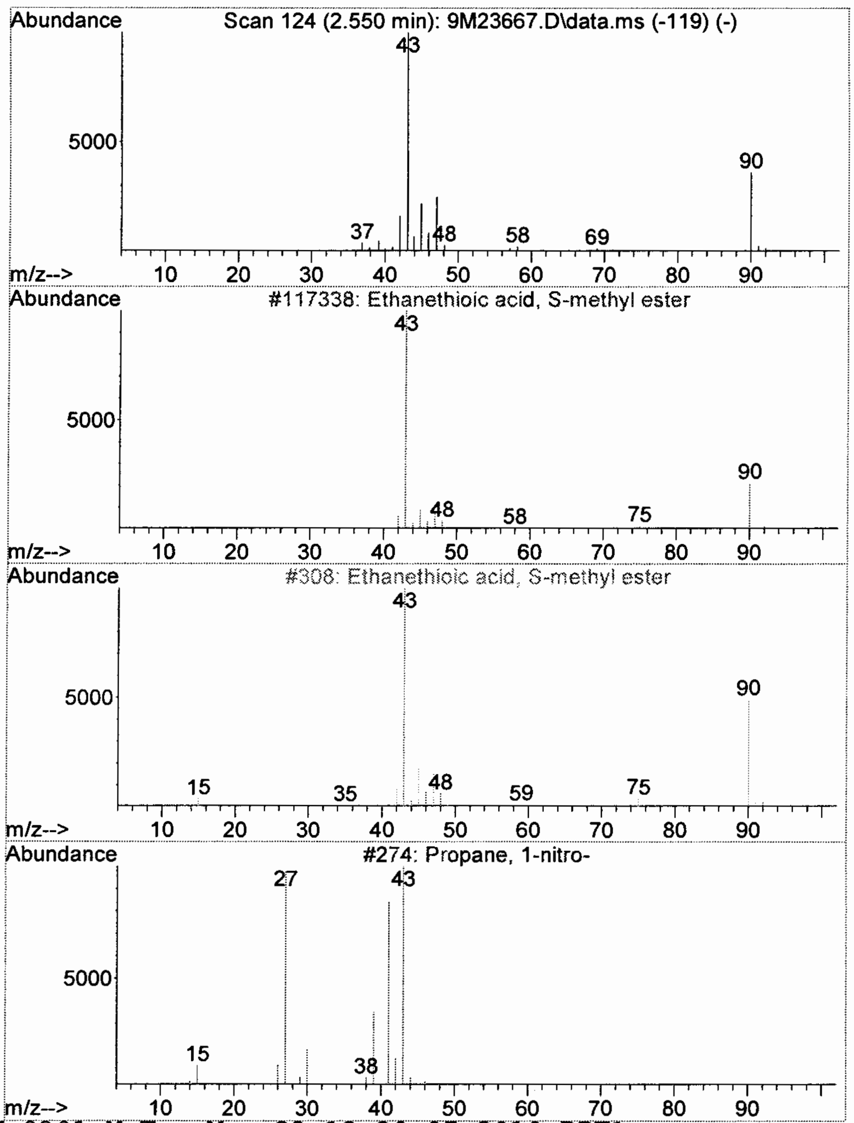
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

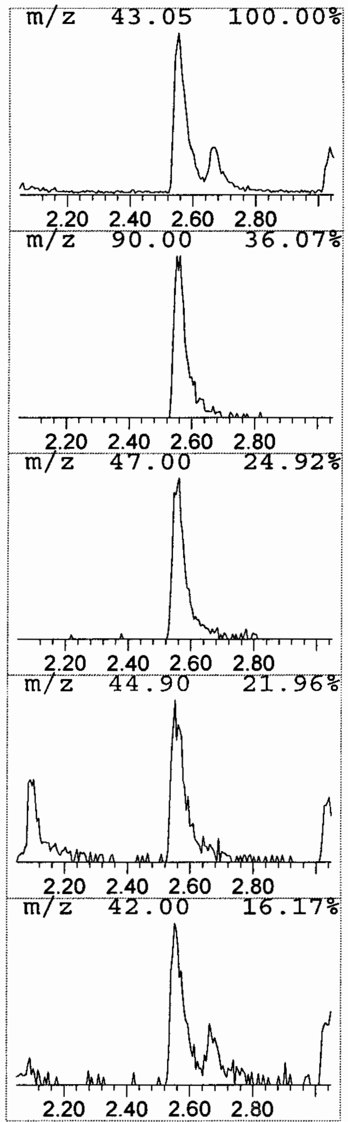
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	29.00 ng	144136	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethioic acid, S-methyl ester	90	C3H6OS	001534-08-3	38
2	Ethanethioic acid, S-methyl ester	90	C3H6OS	001534-08-3	9
3	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
4	3-Fluoro-2-butanone	90	C4H7FO	000814-79-9	5
5	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	4





Library Search Compound Report

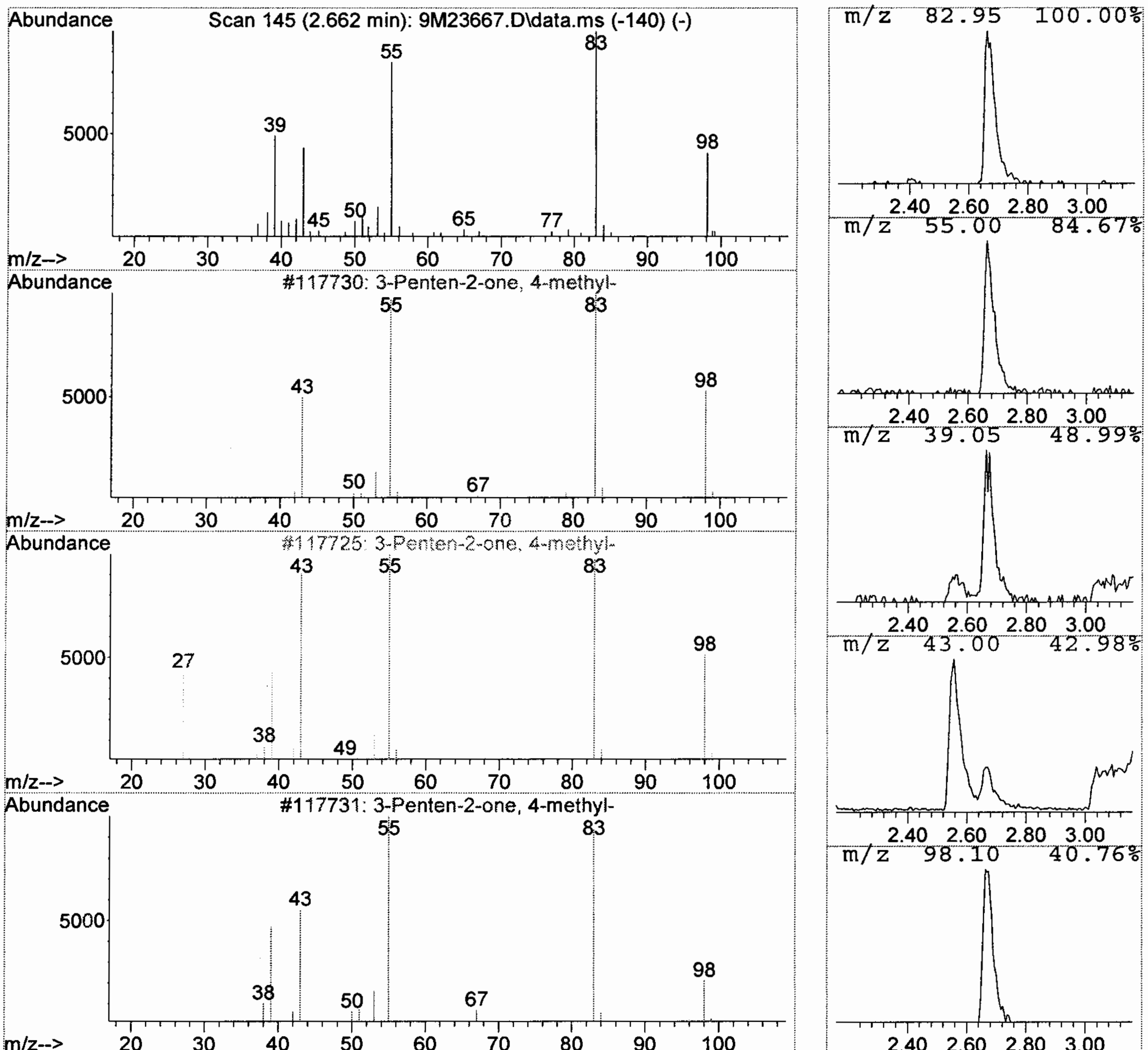
```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.66	24.61 ng	122304	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	86
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78

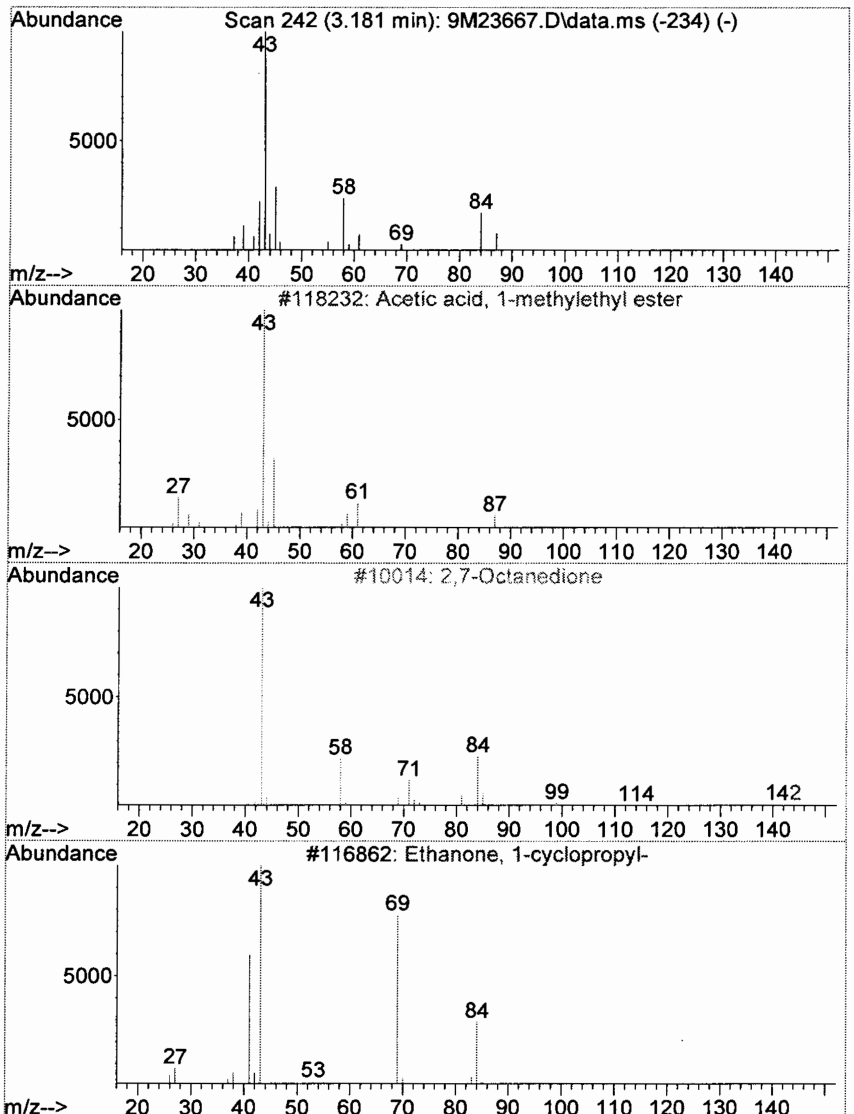


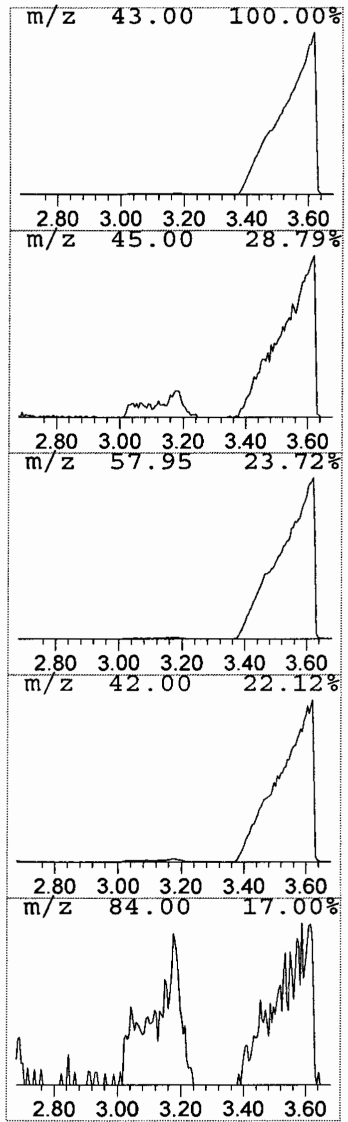
Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number  3  unknown                          Concentration Rank  9
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	18.60 ng	92469	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	9
2	2,7-Octanedione	142	C8H14O2	001626-09-1	9
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	7
4	Butane	58	C4H10	000106-97-8	5
5	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	4





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

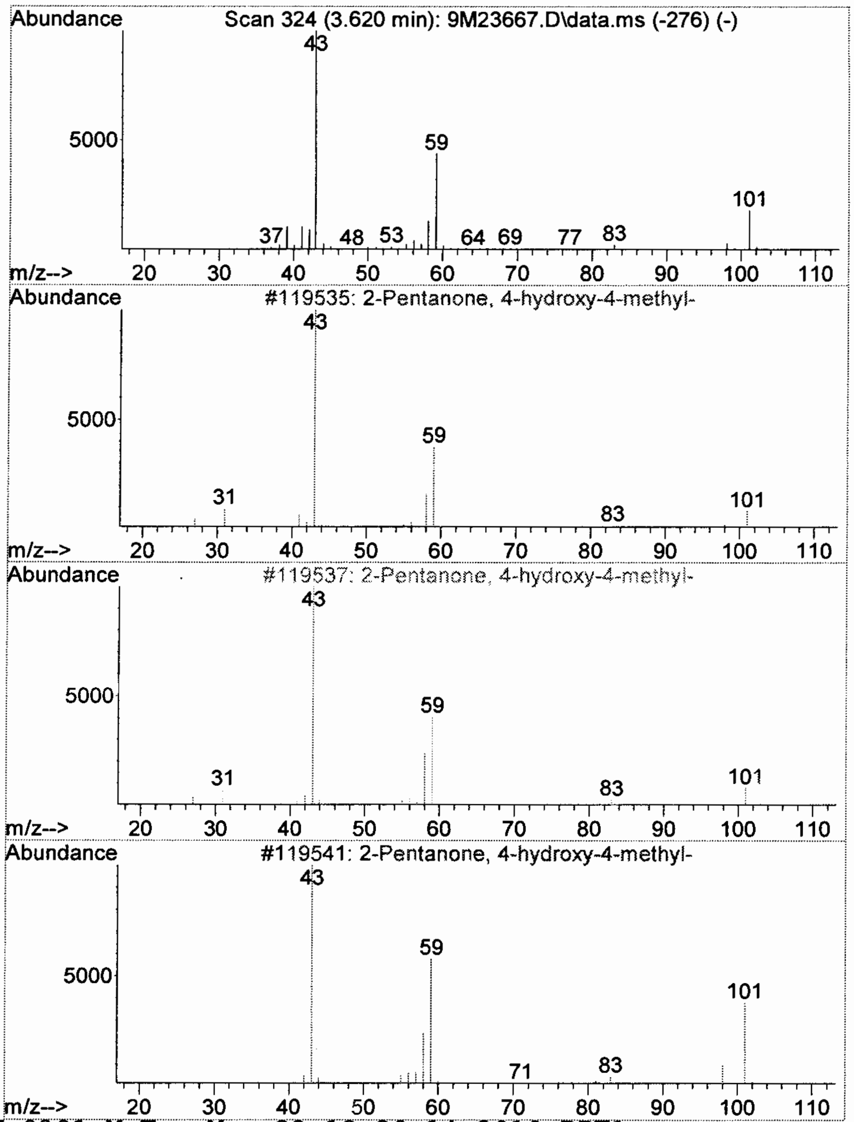
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

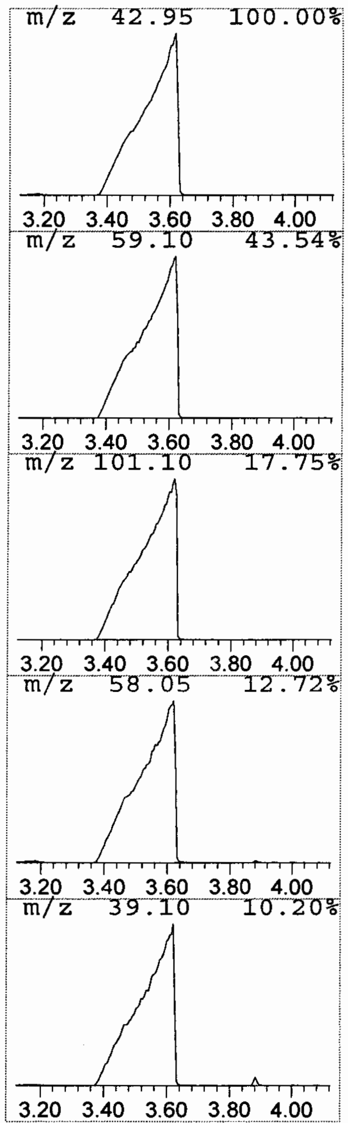
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	5951.16 ng	29580663	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
5	1-Propanamine	59	C3H9N	000107-10-8	40





Library Search Compound Report

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Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

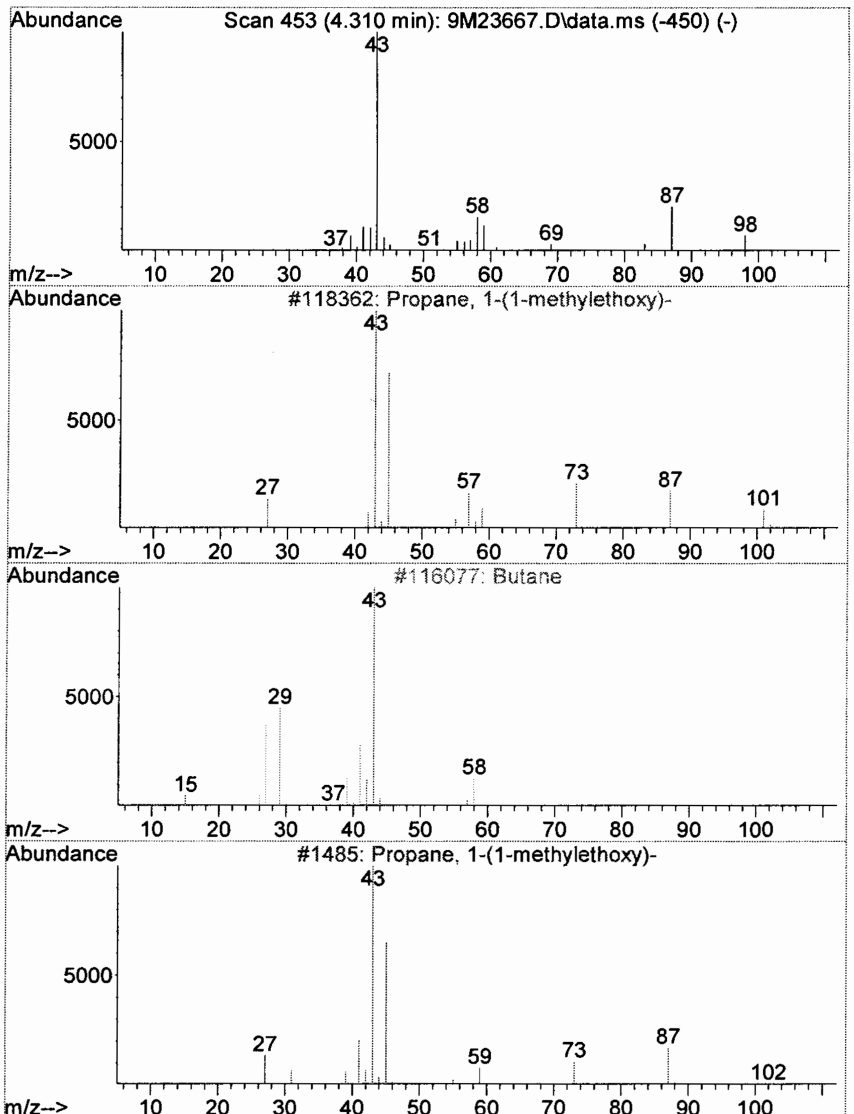
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

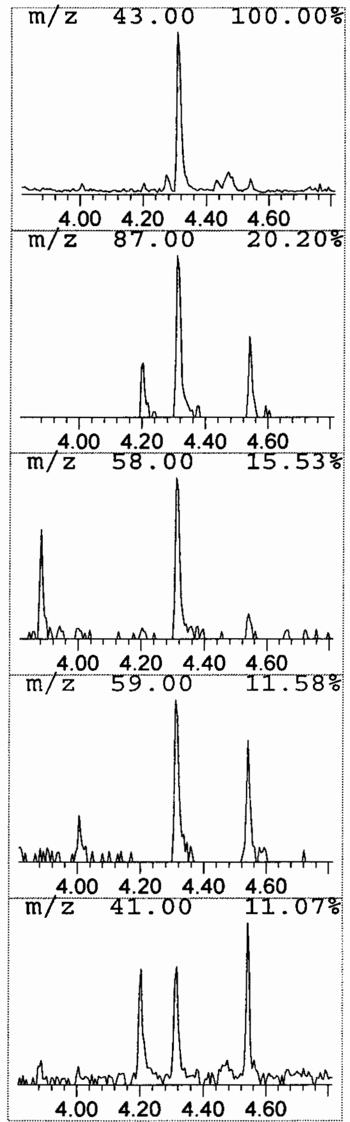
****

Peak Number 5 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	12.26 ng	60932	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	38
2	Butane	58	C4H10	000106-97-8	38
3	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	36
4	Butane	58	C4H10	000106-97-8	35
5	Butane	58	C4H10	000106-97-8	9





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ALS Vial : 17 Sample Multiplier: 1

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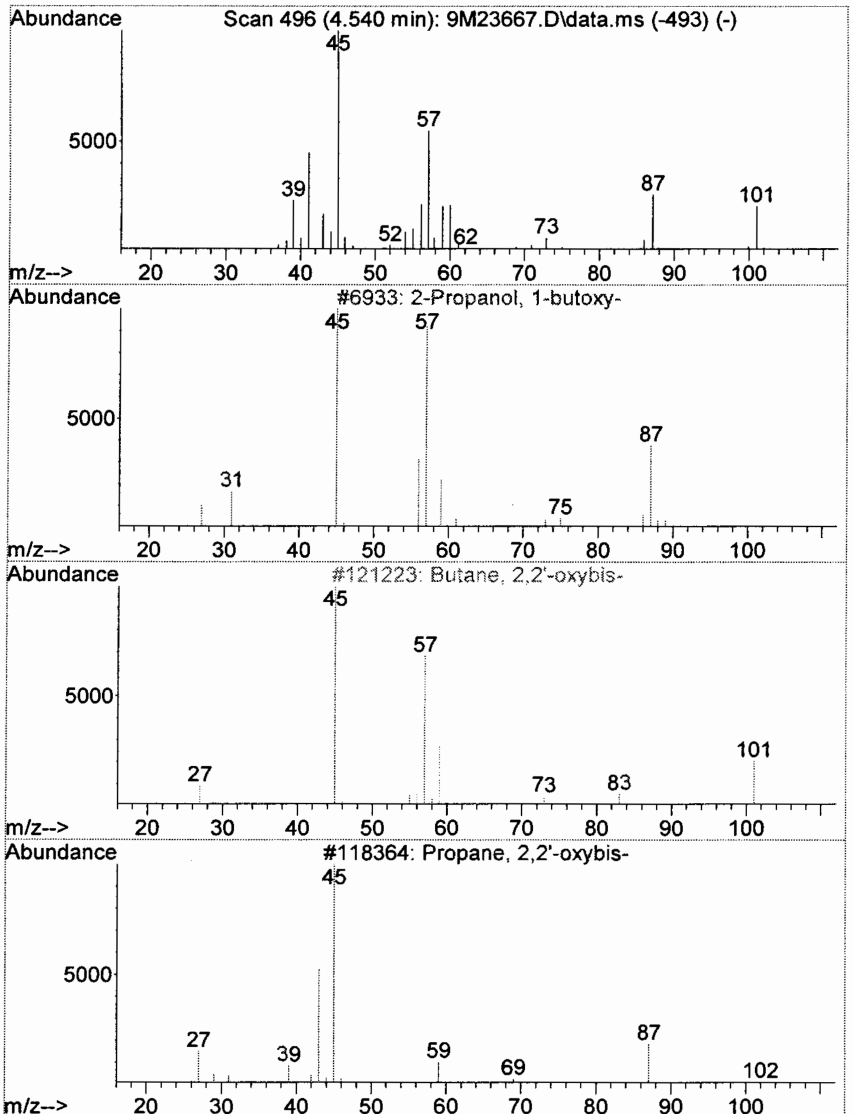
Quant Title : @GCMS_9,mg,625,8270

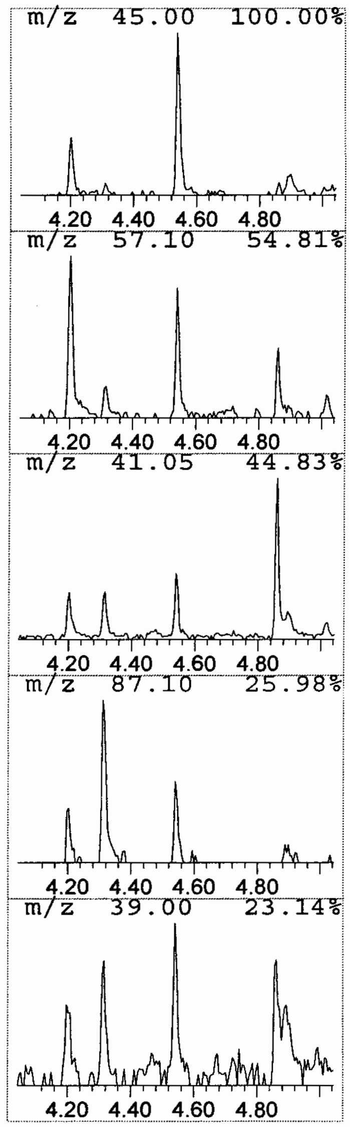
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Propanol, 1-butoxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	8.10 ng	40255	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	53
2	Butane, 2,2'-oxybis-	130	C8H18O	006863-58-7	50
3	Propane, 2,2'-oxybis-	102	C6H14O	000108-20-3	47
4	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	40
5	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	28





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Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

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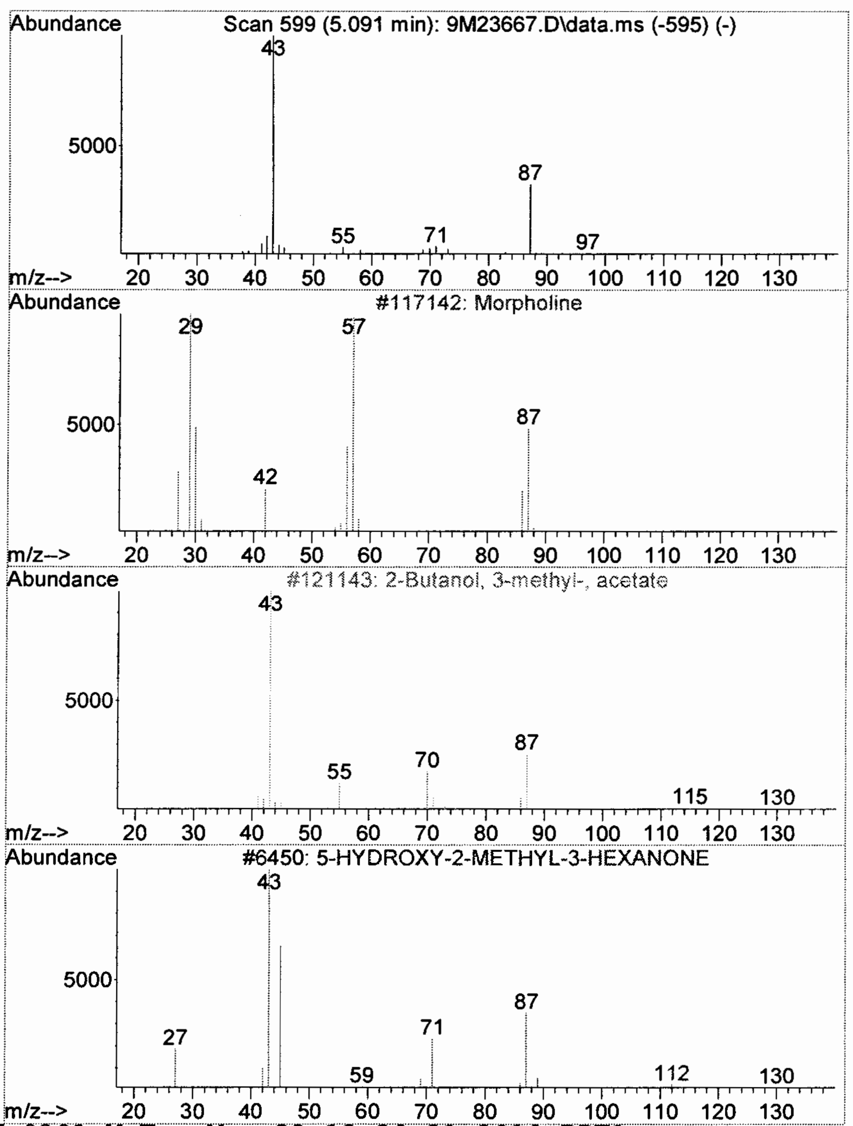
Quant Title : @GCMS_9,mg,625,8270

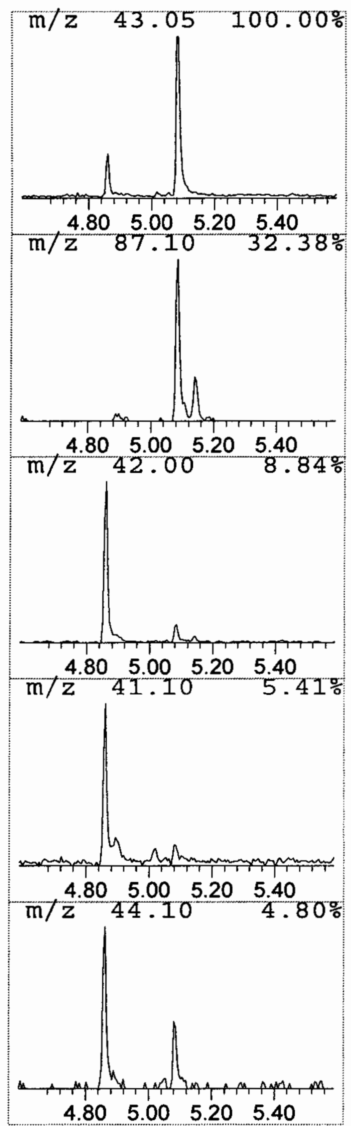
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	15.86 ng	78818	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine	87	C4H9NO	000110-91-8	9
2	2-Butanol, 3-methyl-, acetate	130	C7H14O2	005343-96-4	9
3	5-HYDROXY-2-METHYL-3-HEXANONE	130	C7H14O2	000000-00-0	9
4	1,4-Butanediamine	88	C4H12N2	000110-60-1	7
5	Morpholine	87	C4H9NO	000110-91-8	5





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Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

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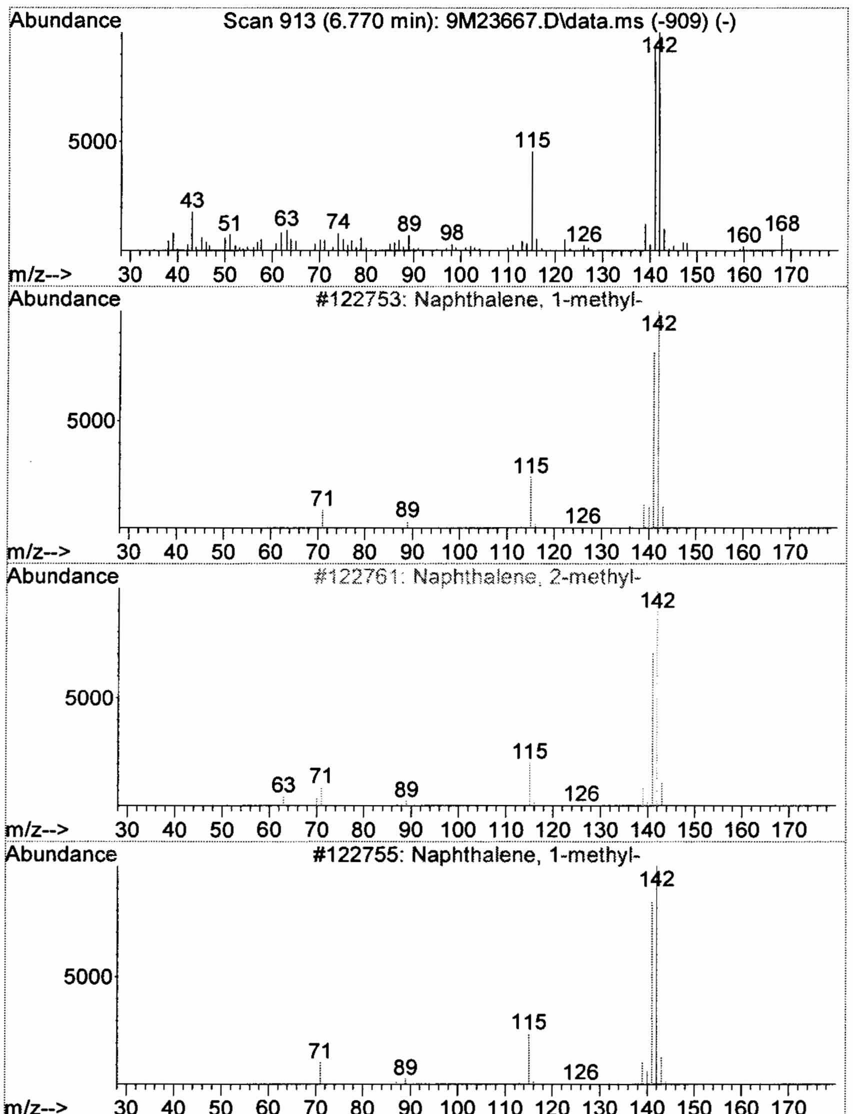
Quant Title : @GCMS_9,mg,625,8270

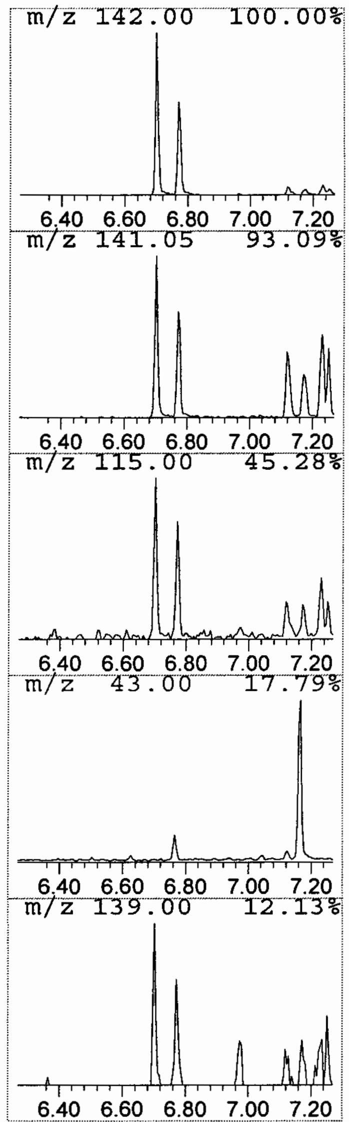
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	10.92 ng	83709	LibIS-Naphthalene-d8	6.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





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Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

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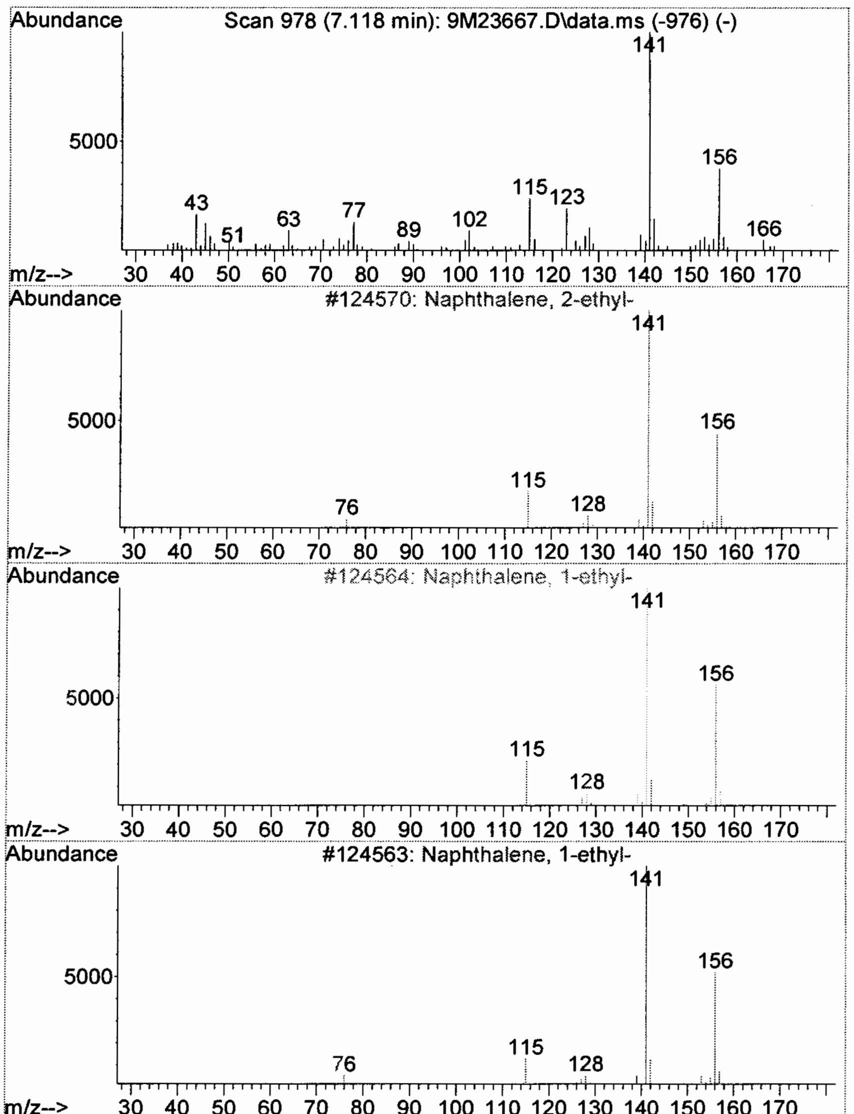
Quant Title : @GCMS_9,mg,625,8270

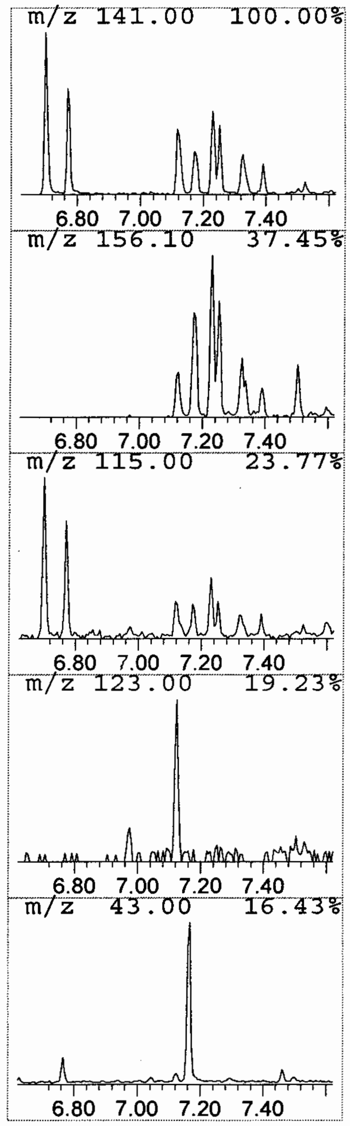
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	5.82 ng	51544	LibIS-Acenaphthene-d10	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	83
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	64
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	60
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	58
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	58





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Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

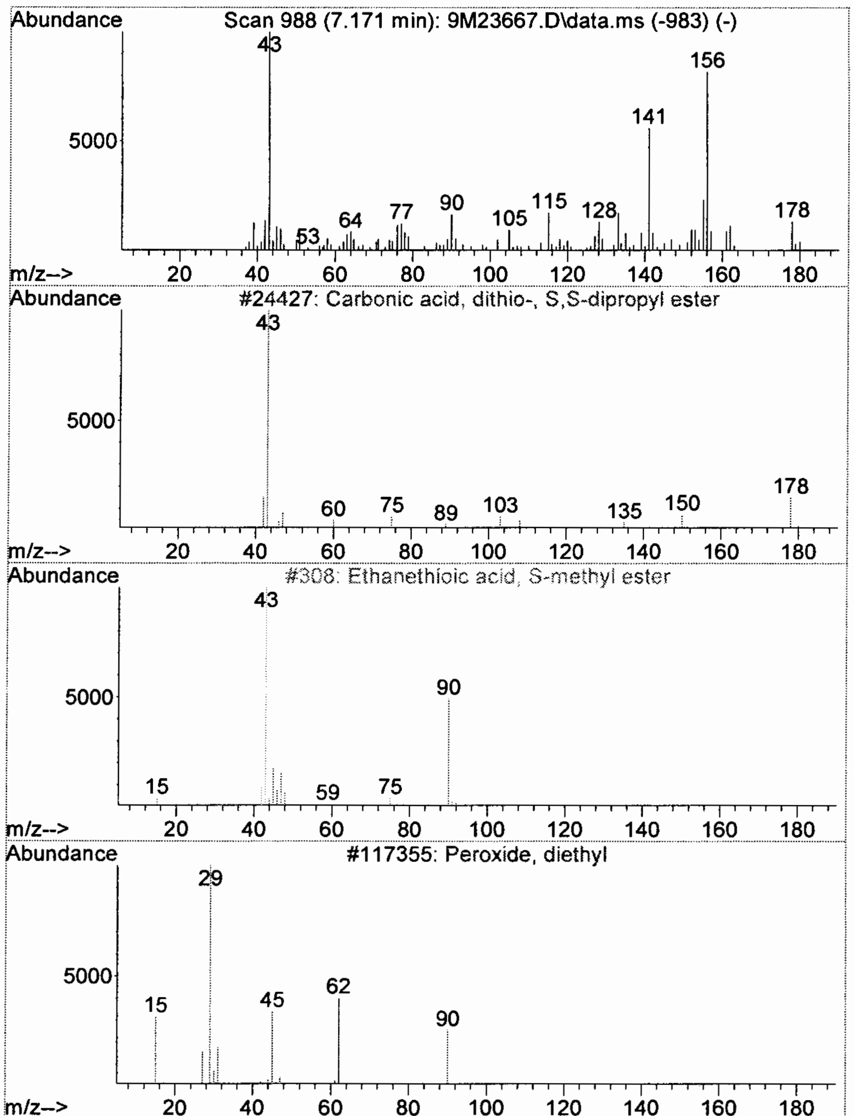
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

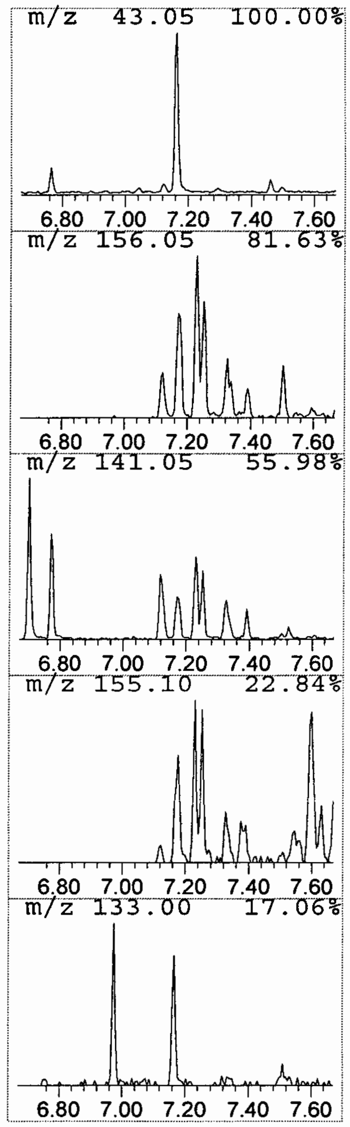
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	17.73 ng	157118	LibIS-Acenaphthene-d10	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, dithio-, S,S-dipr...	178	C7H14OS2	010596-56-2	9
2	Ethanethioic acid, S-methyl ester	90	C3H6OS	001534-08-3	9
3	Peroxide, diethyl	90	C4H10O2	000628-37-5	9
4	Disulfide, pentyl propyl	178	C8H18S2	067727-99-5	9
5	1,3-Dimethyl-2-ethoxy-2-oxo-1,3,...	178	C6H15N2O2P	000000-00-0	7





Library Search Compound Report

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Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

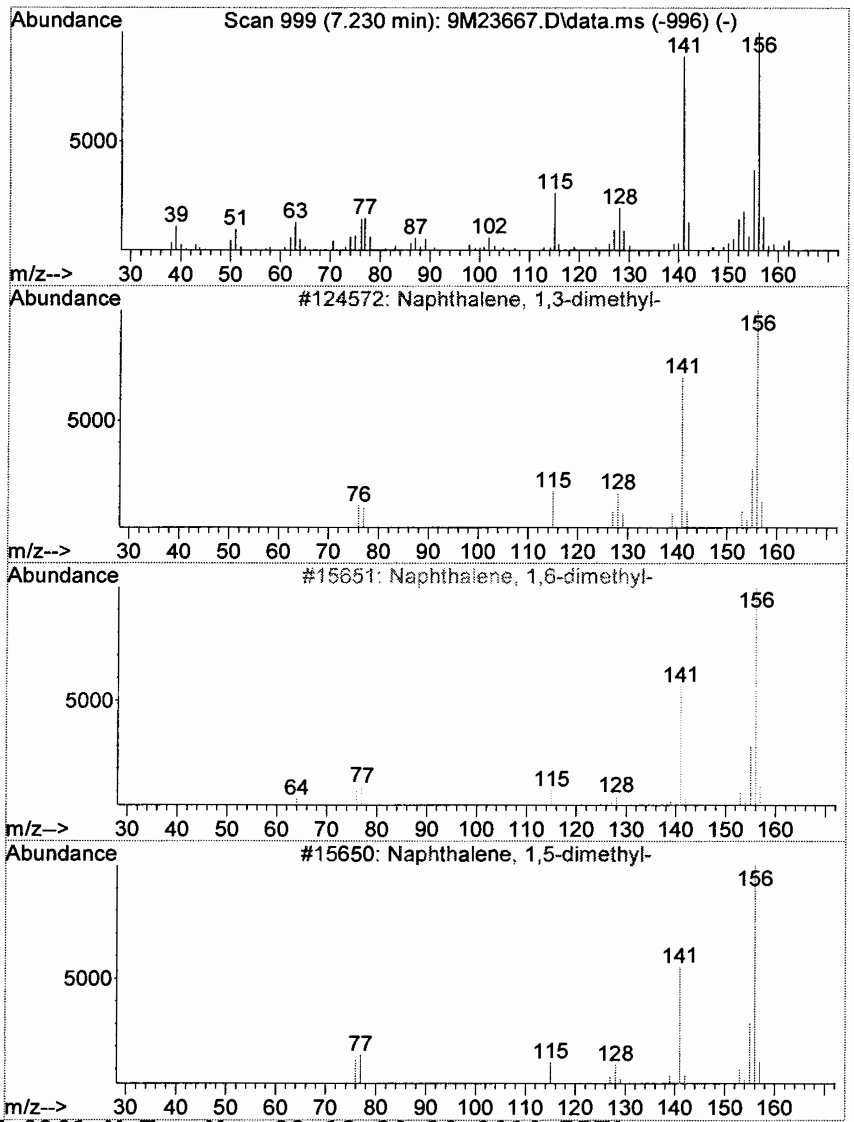
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

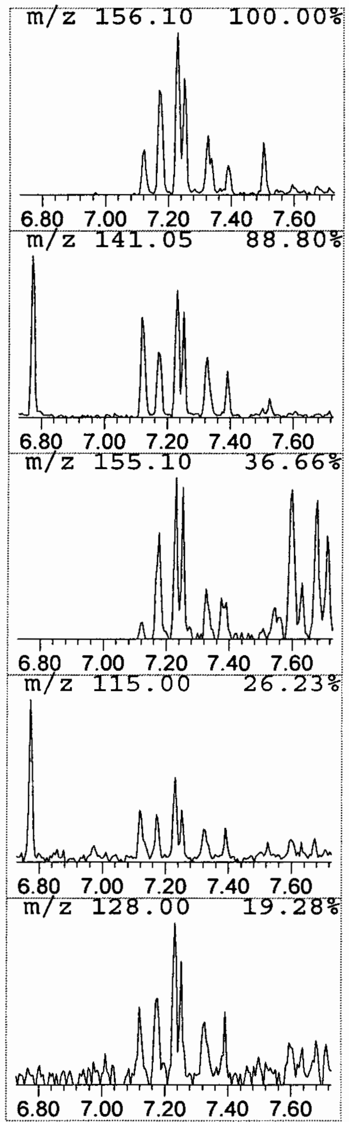
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	8.32 ng	73770	LibIS-Acenaphthene-d10	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Library Search Compound Report

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Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

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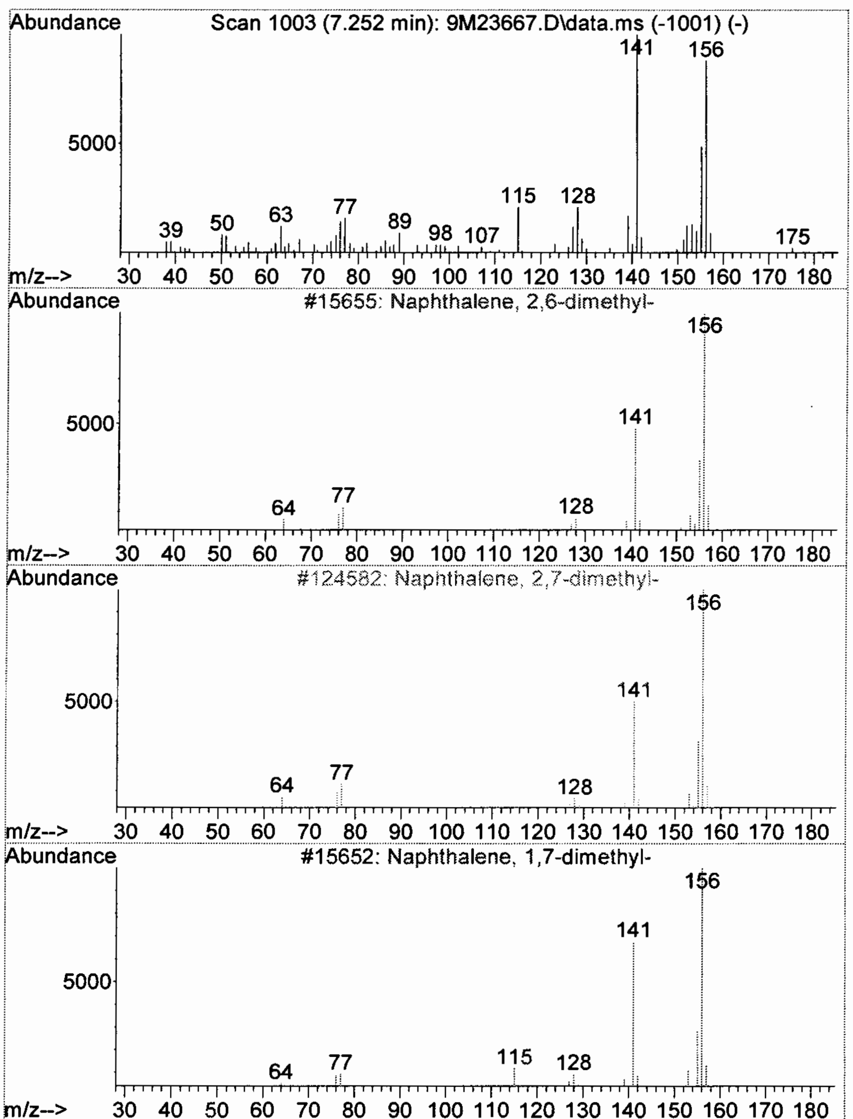
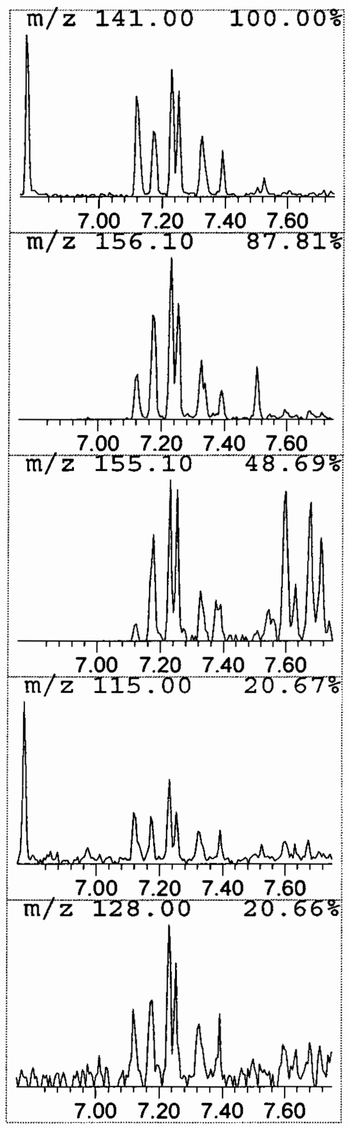
Peak Number 12  Naphthalene, 2,6-dimethyl-      Concentration Rank 26
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	5.74 ng	50841	LibIS-Acenaphthene-d10	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	81
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	80
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	80
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	74





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Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

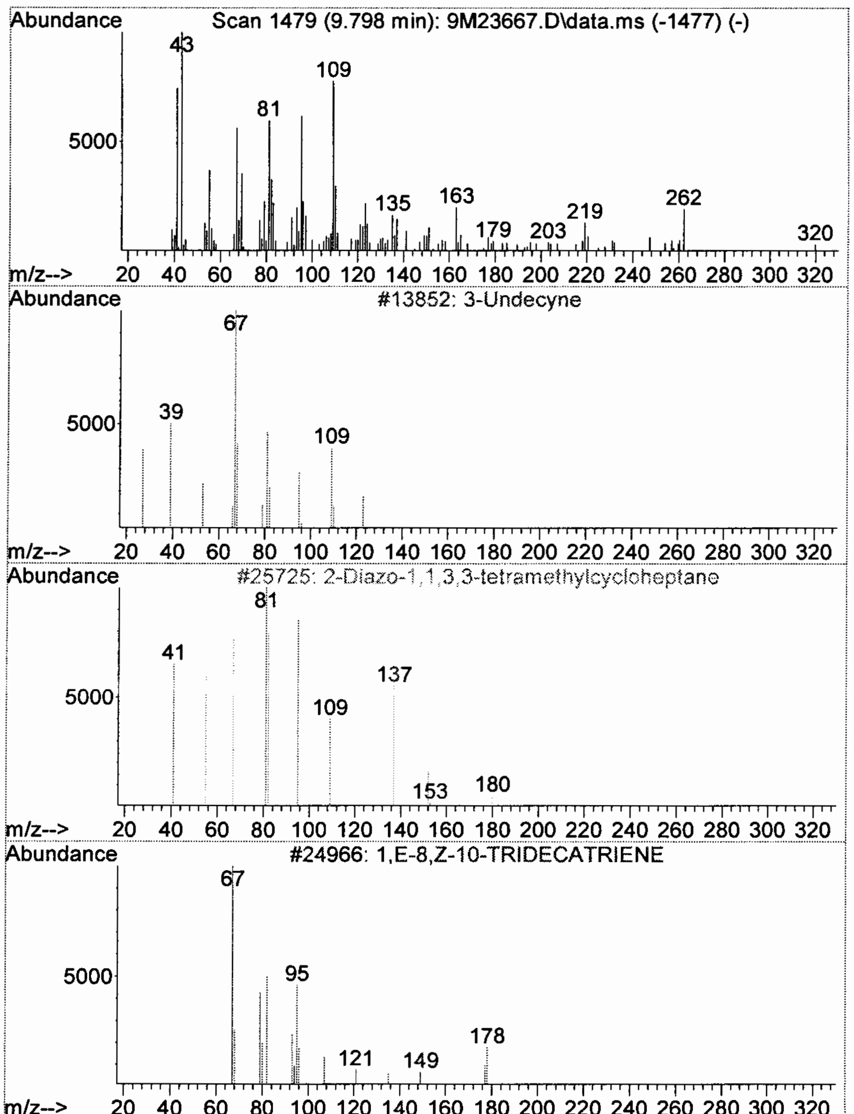
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

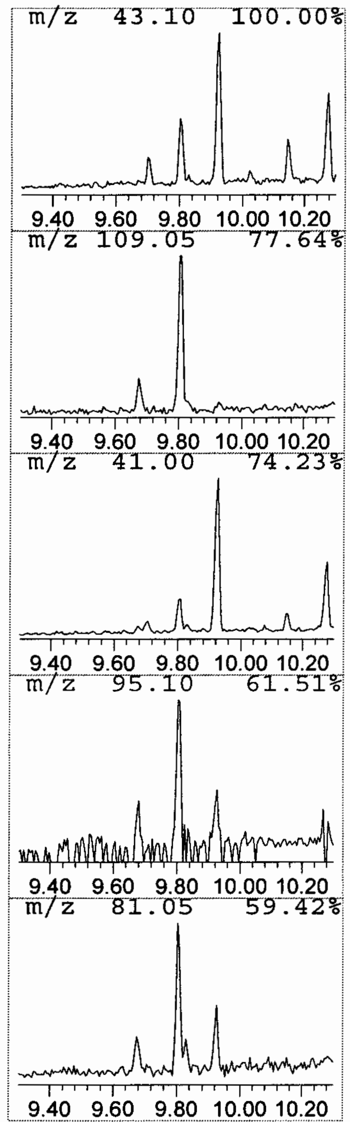
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 3-Undecyne Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	14.52 ng	130780	LibIS-Phenanthrene-d10	8.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecyne	152	C11H20	060212-30-8	53
2	2-Diazo-1,1,3,3-tetramethylcyclo...	180	C11H20N2	000000-00-0	47
3	1,E-8,Z-10-TRIDECATRIENE	178	C13H22	080625-30-5	45
4	.delta.-Fenchane	138	C10H18	006248-88-0	38
5	3ALPHA-METHYL-CIS-HEXAHYDROPHTHA...	154	C9H14O2	058648-38-7	38





Library Search Compound Report

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Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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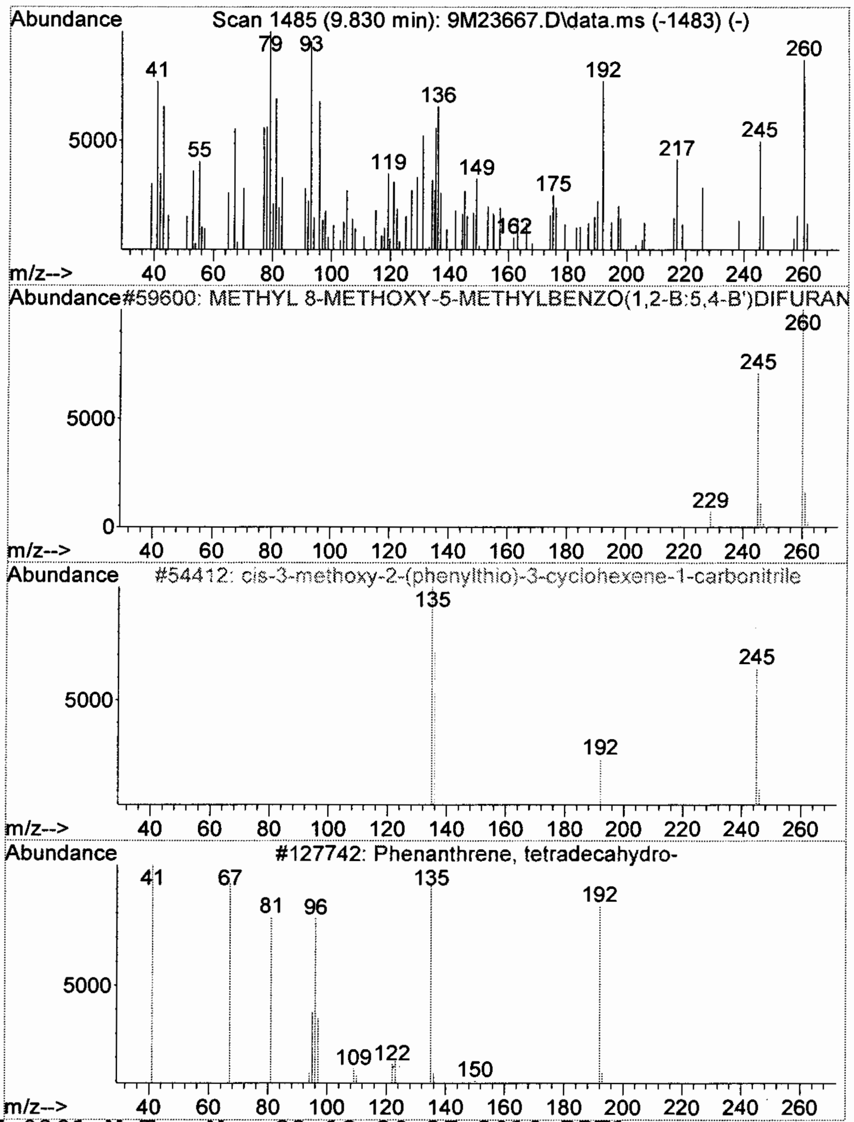
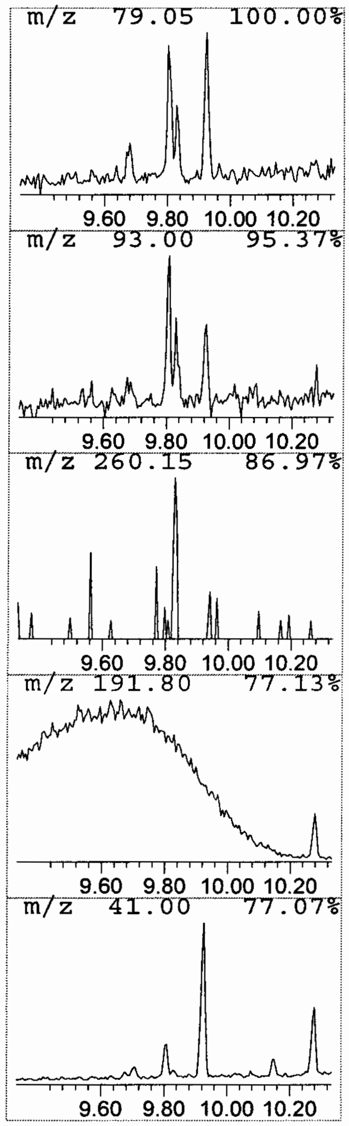
Peak Number 14 cis-3-methoxy-2-(phenylthio... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	6.39 ng	57577	LibIS-Phenanthrene-d10	8.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL 8-METHOXY-5-METHYLBENZO(1...	260	C14H12O5	068454-43-3	83
2	cis-3-methoxy-2-(phenylthio)-3-c...	245	C14H15NOS	067315-82-6	50
3	Phenanthrene, tetradecahydro-	192	C14H24	005743-97-5	38
4	1-NITROSOADAMANTANE	165	C10H15NO	022734-10-7	27
5	Anthracene, tetradecahydro-, (4a...	192	C14H24	001755-19-7	20





Library Search Compound Report

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Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number 15   unknown                         Concentration Rank  3

  R.T.   EstConc           Area       Relative to ISTD          R.T.
----------------------------------------------------------------------
  9.93  104.58 ng        942001    LibIS-Phenanthrene-d10        8.88

 Hit# of  5    Tentative ID                MW  MolForm          CAS#        Qual
----------------------------------------------------------------------
 1 1H-Benz[de]isoquinoline-1,3(2H)-... 241 C14H11NO3         055133-82-9 25
 2 2-HENDECENOIC ACID 1TMS             256 C14H28O2Si        000000-00-0 25
 3 2,5-BIS[(TRIMETHYLSILYL)OXY]-PYR... 256 C10H20N2O2Si2     000000-00-0 22
 4 1,3-DIMETHYL-5-DEAZA-ALLOXAZINE     241 C13H11N3O2        000000-00-0 16
 5 8-Nitro-2,3-dimethylpyrrolo-[2,3... 241 C13H11N3O2        072793-32-9 14
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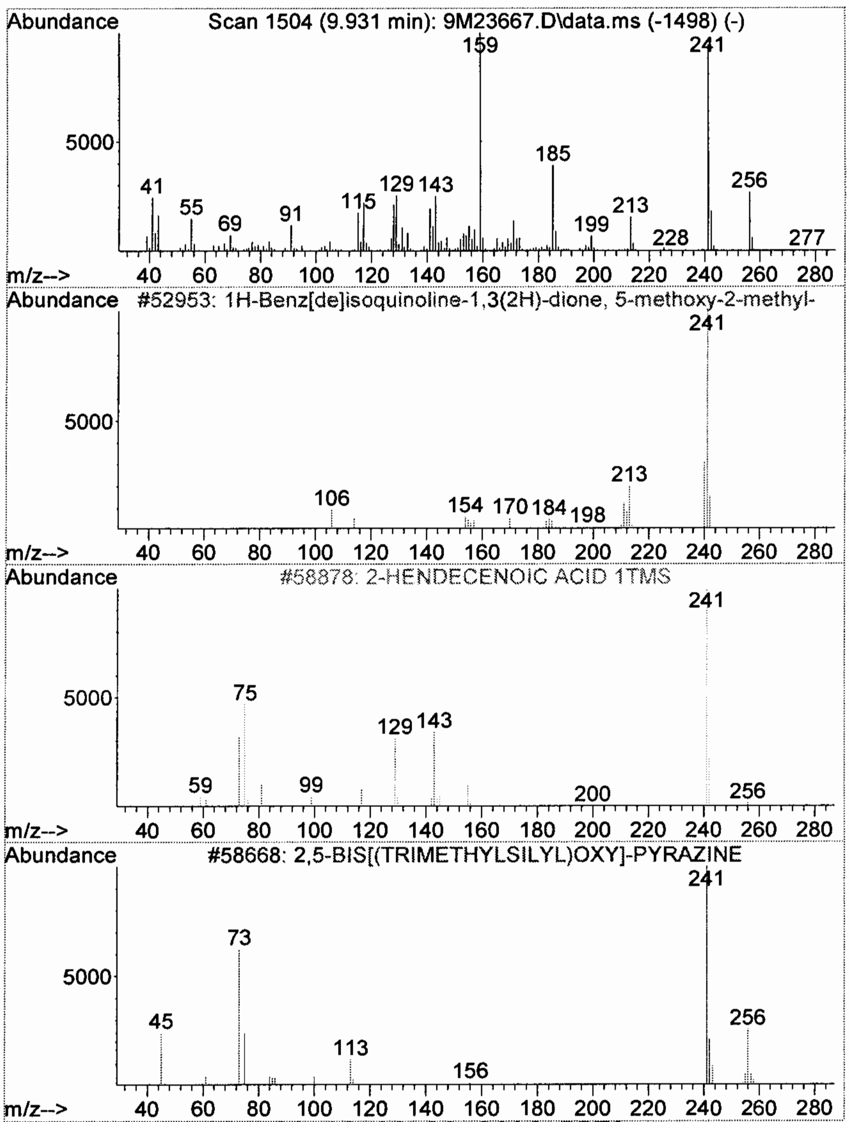

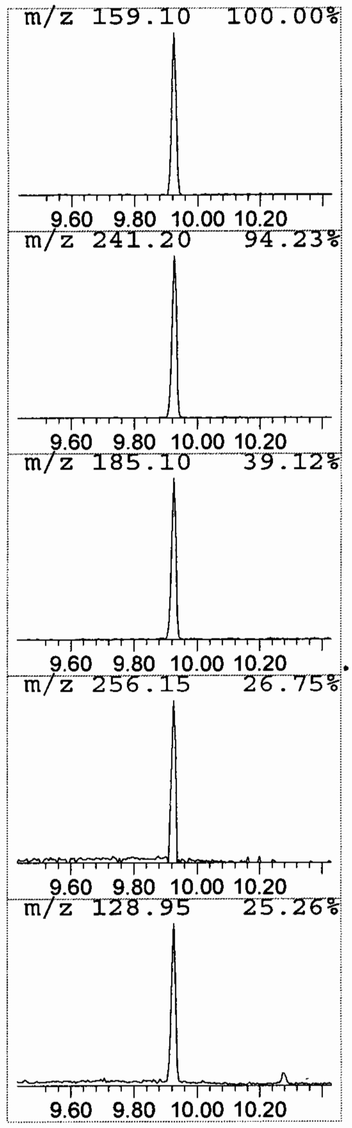

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Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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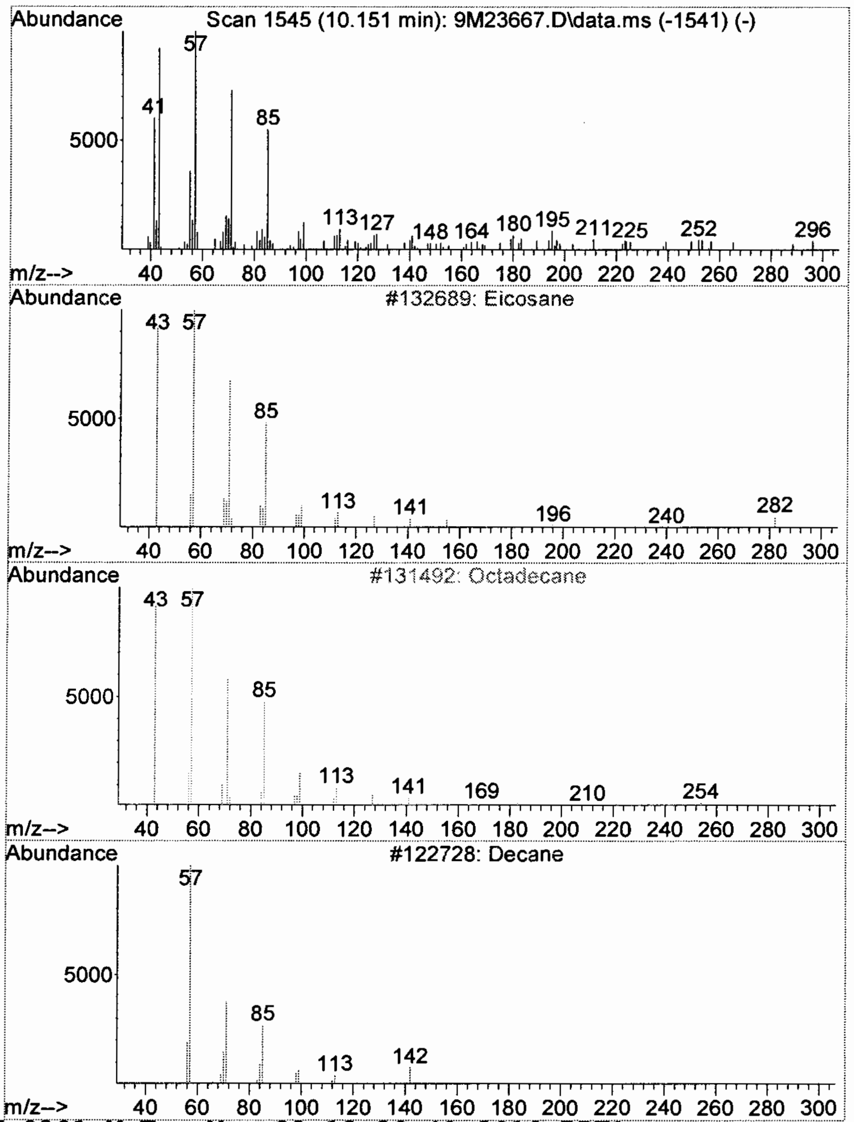
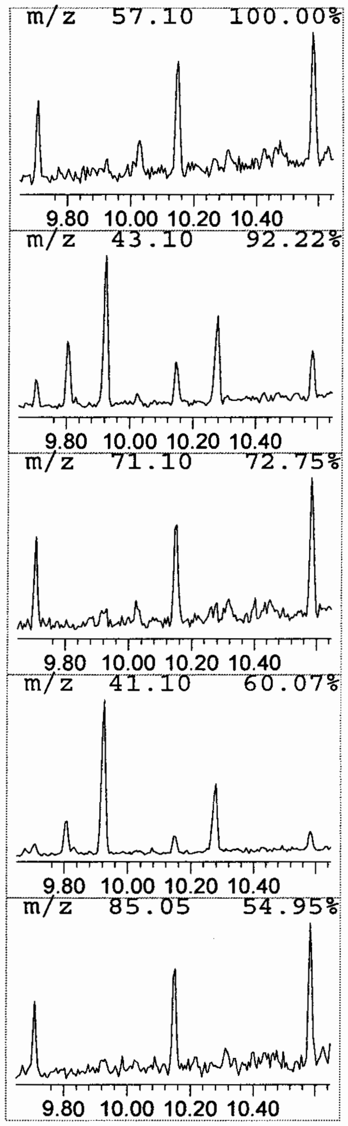
Peak Number 16 Eicosane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	5.99 ng	53946	LibIS-Phenanthrene-d10	8.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Octadecane	254	C18H38	000593-45-3	80
3	Decane	142	C10H22	000124-18-5	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	58





Library Search Compound Report

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Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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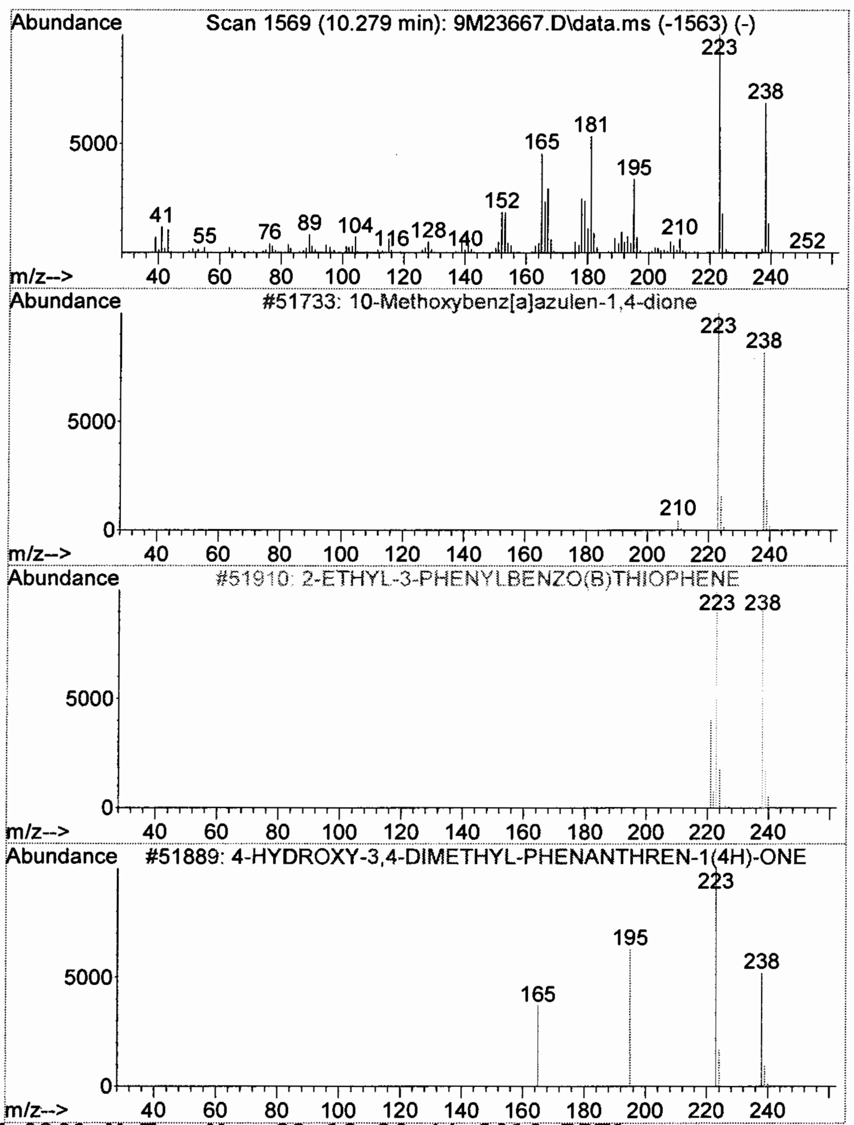
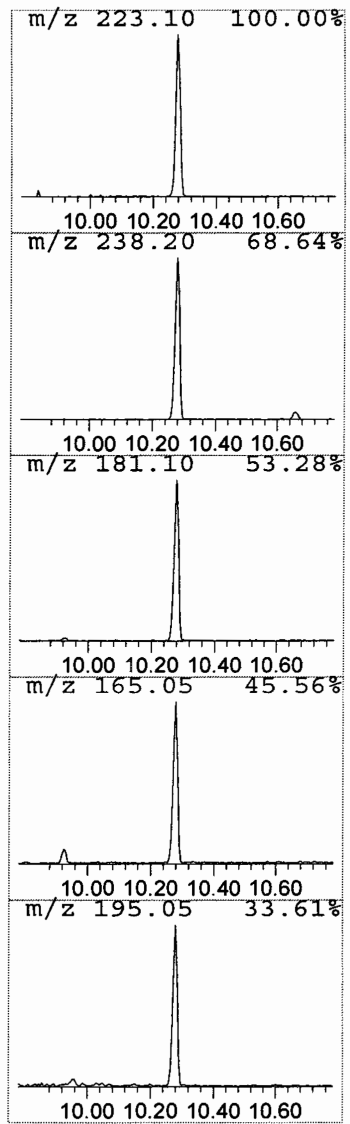
Peak Number 17 10-Methoxybenz[a]azulen-1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	119.22 ng	1073910	LibIS-Phenanthrene-d10	8.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methoxybenz[a]azulen-1,4-dione	238	C15H10O3	076319-77-2	91
2	2-ETHYL-3-PHENYLBENZO(B)THIOPHENE	238	C16H14S	059855-99-1	83
3	4-HYDROXY-3,4-DIMETHYL-PHENANTHR...	238	C16H14O2	060505-33-1	53
4	6-CYANOMETHOXY-N-METHOXYMETHYL-N...	238	C9H14N6O2	078927-31-8	43
5	MONOSILYLATED ACETOVANILLONE	238	C12H18O3Si	000000-00-0	42





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
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Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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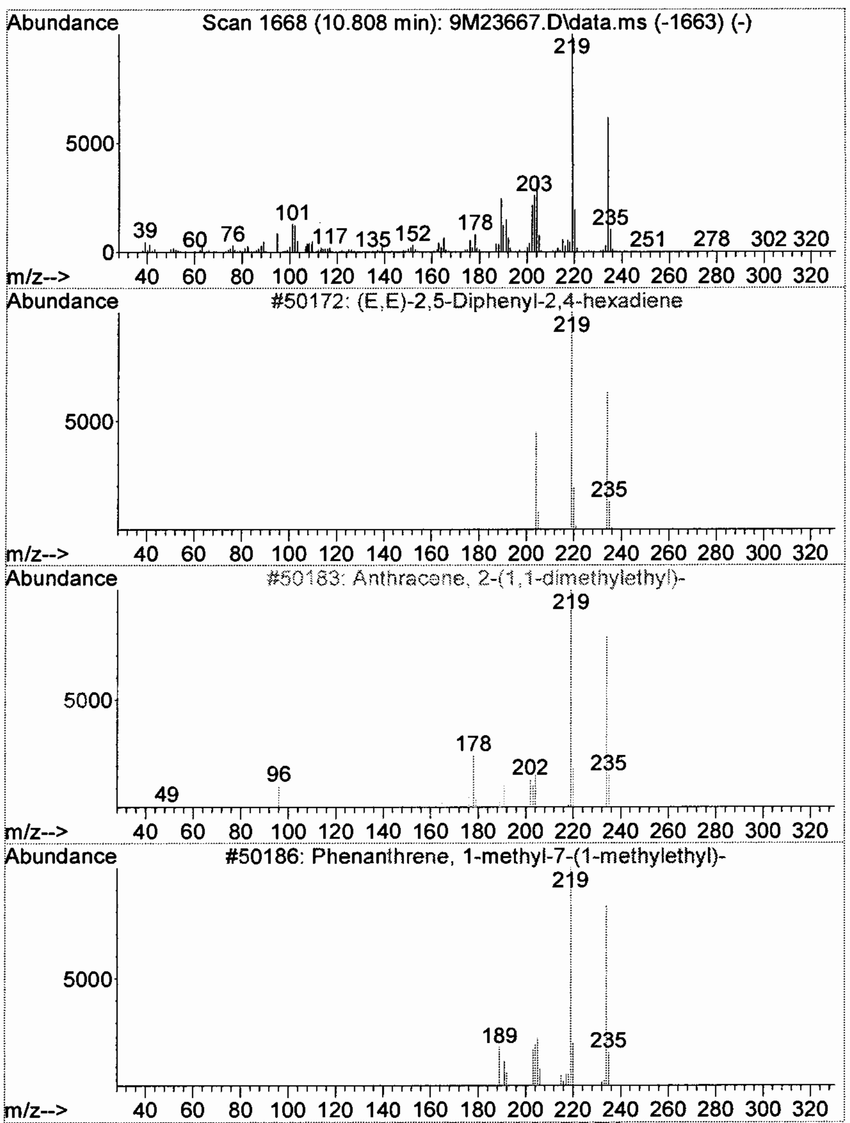
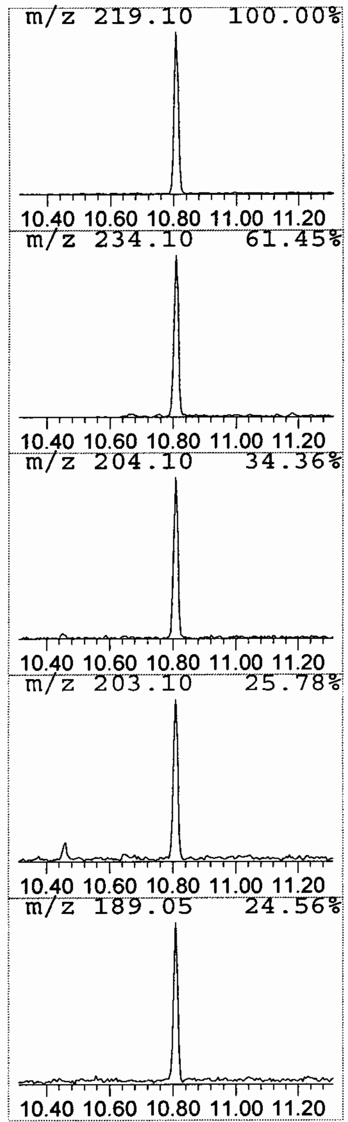
Peak Number 18 (E,E)-2,5-Diphenyl-2,4-hexa... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	40.41 ng	360355	LibIS-Chrysene-d12	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E,E)-2,5-Diphenyl-2,4-hexadiene	234	C18H18	016914-12-8	91
2	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	83
3	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	60
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	58
5	1,1-DI-D3-METHYL-4A-METHYL-1,2,3...	228	C17H18D6	055836-55-0	49





Library Search Compound Report

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Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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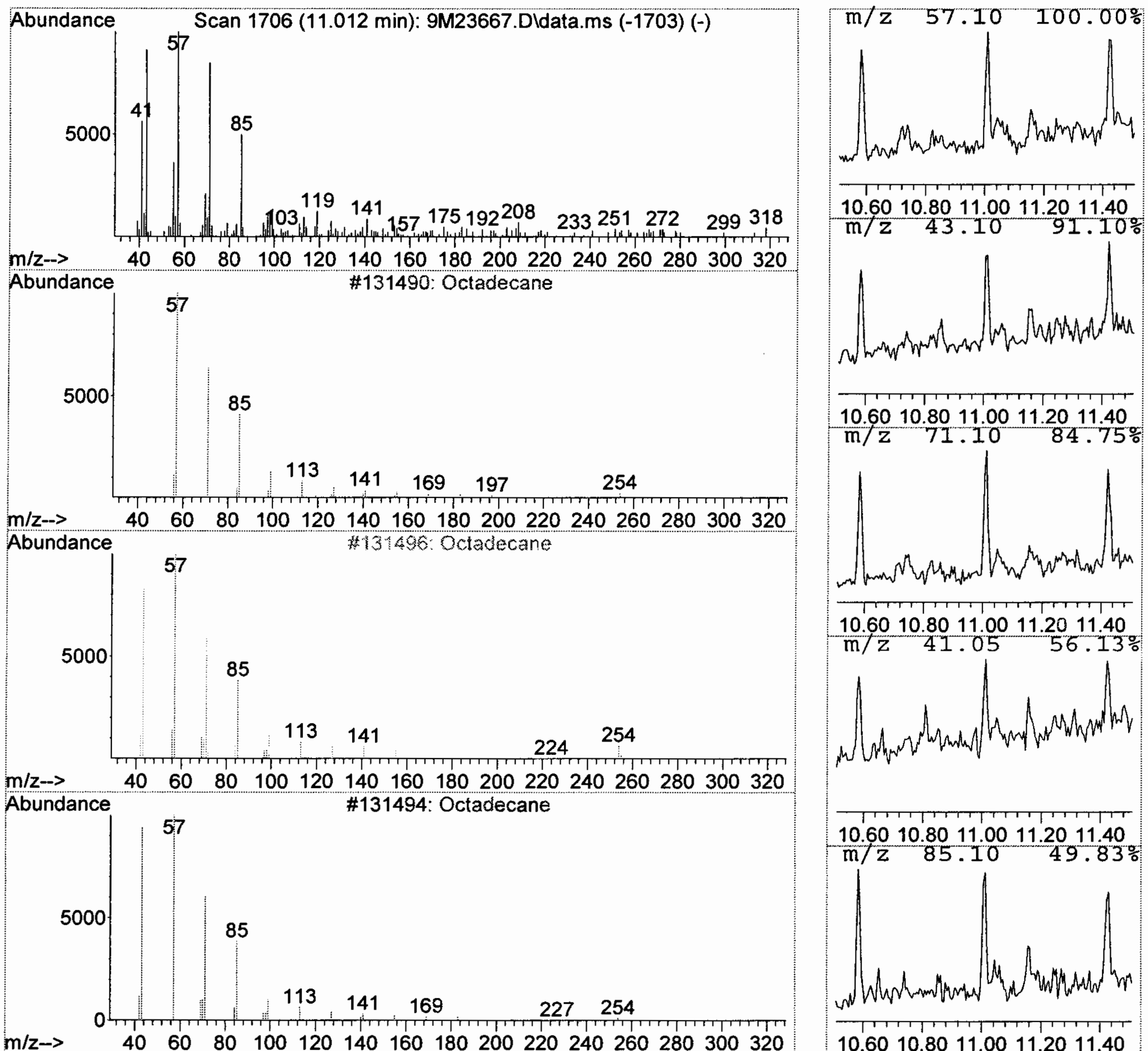
Peak Number 19   Octadecane   Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	6.86 ng	61154	LibIS-Chrysene-d12	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	76
2	Octadecane	254	C18H38	000593-45-3	70
3	Octadecane	254	C18H38	000593-45-3	70
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	70
5	Tetradecane	198	C14H30	000629-59-4	62



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Sample : AC50199-002
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ALS Vial : 17 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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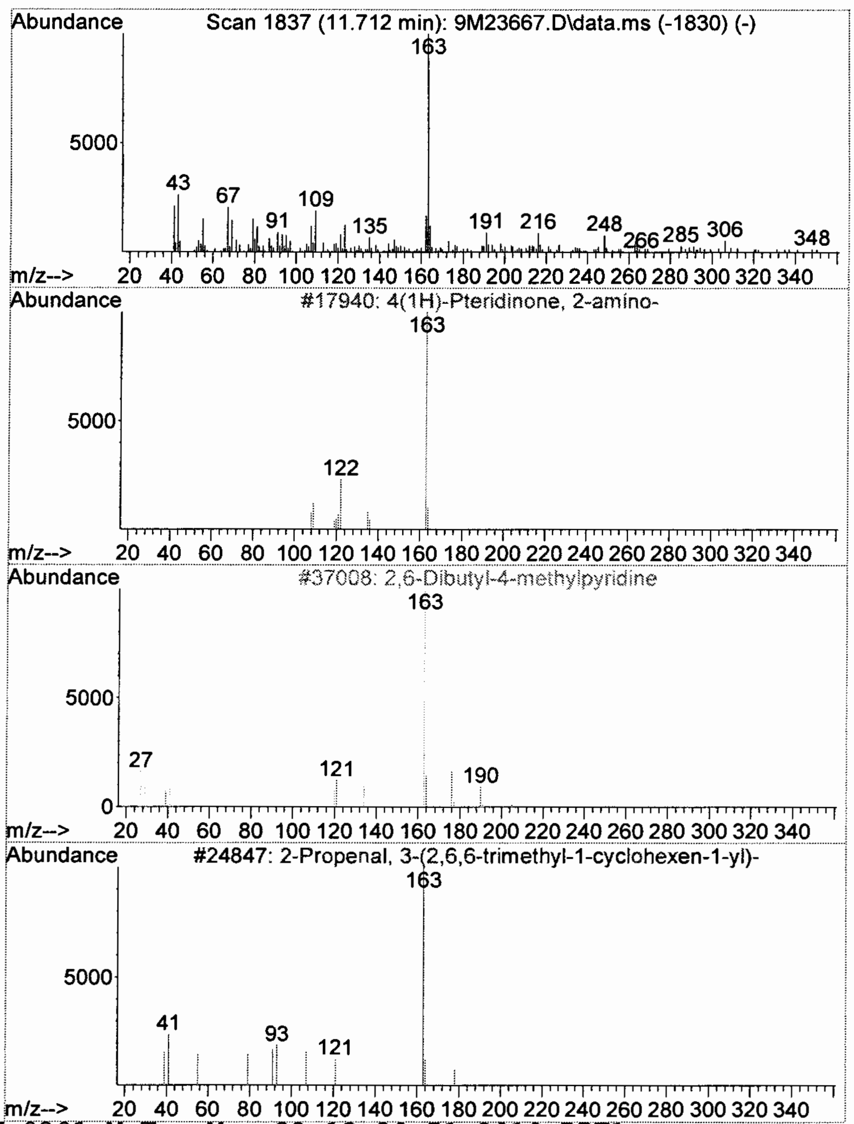
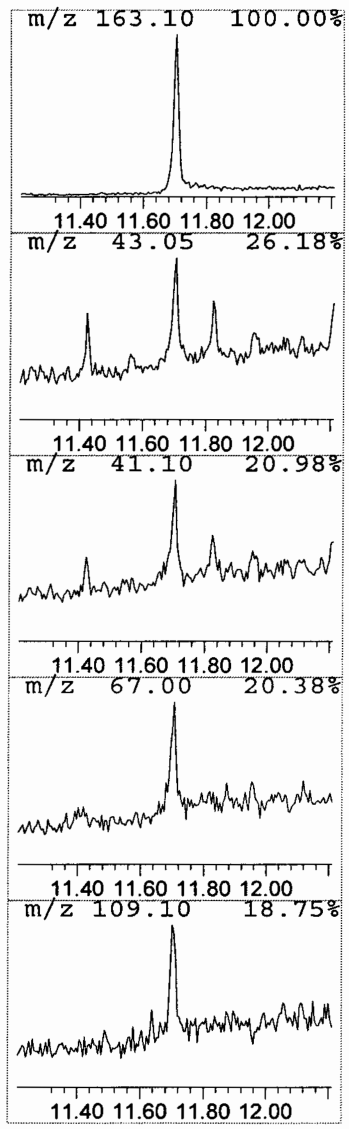
Peak Number 20 4(1H)-Pteridinone, 2-amino- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	27.13 ng	241940	LibIS-Chrysene-d12	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pteridinone, 2-amino-	163	C6H5N5O	002236-60-4	50
2	2,6-Dibutyl-4-methylpyridine	205	C14H23N	037520-52-8	50
3	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	50
4	Phenol, 2,6-bis(1-methylethyl)-	178	C12H18O	002078-54-8	50
5	1-Oxaspiro[4.5]dec-3-en-6-ol, 6,...	238	C14H22O3	054345-70-9	47





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Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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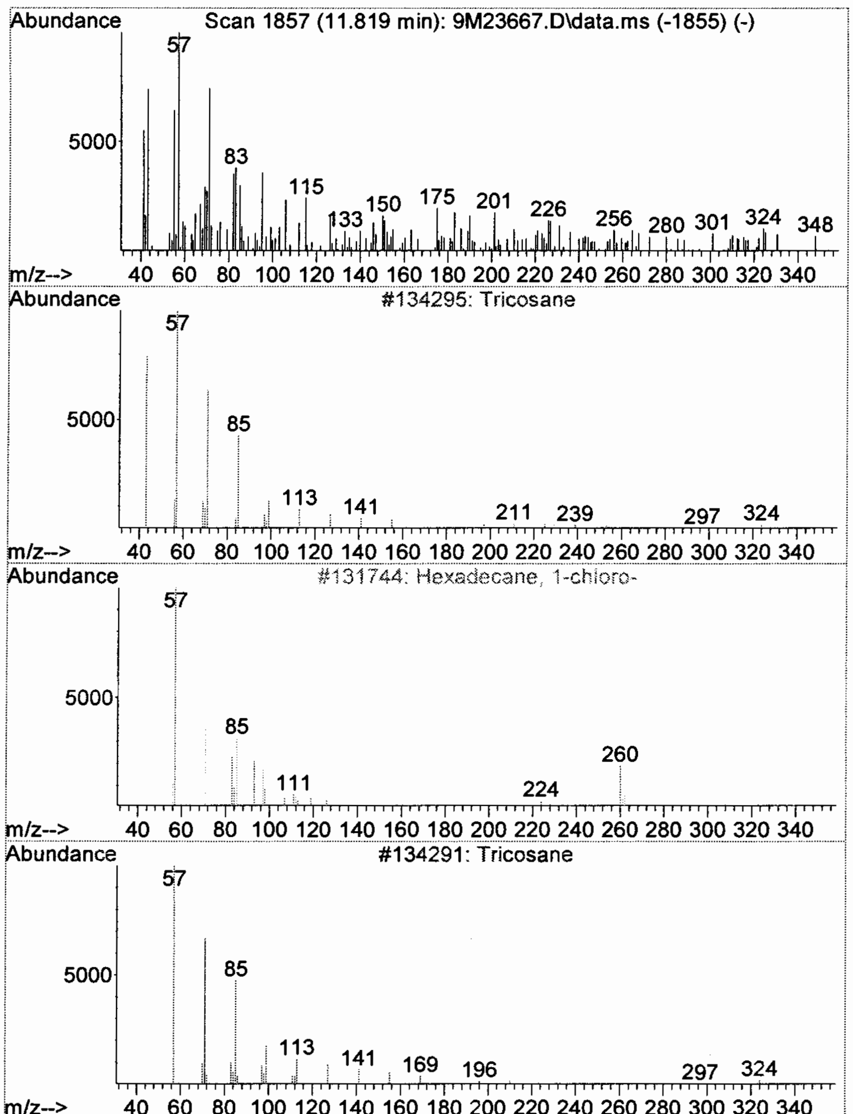
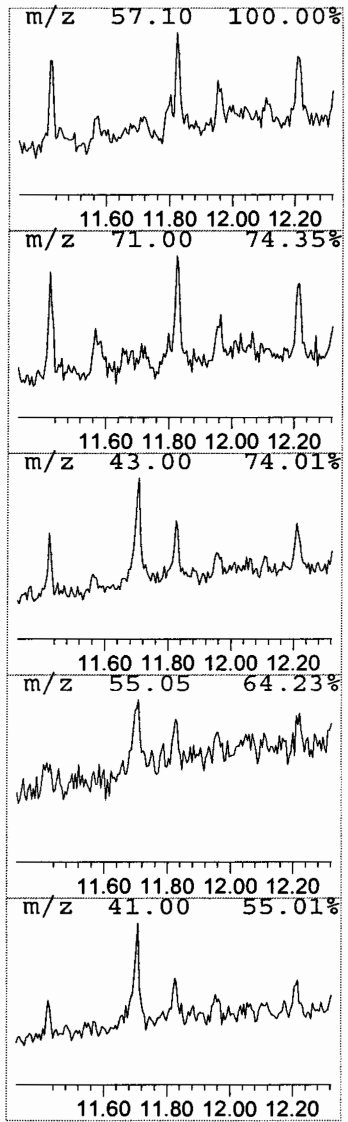
Peak Number 21 Tricosane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.63 ng	50198	LibIS-Chrysene-d12	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	86
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	72
3	Tricosane	324	C23H48	000638-67-5	70
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	64
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	59





Library Search Compound Report

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Operator  : AHD
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Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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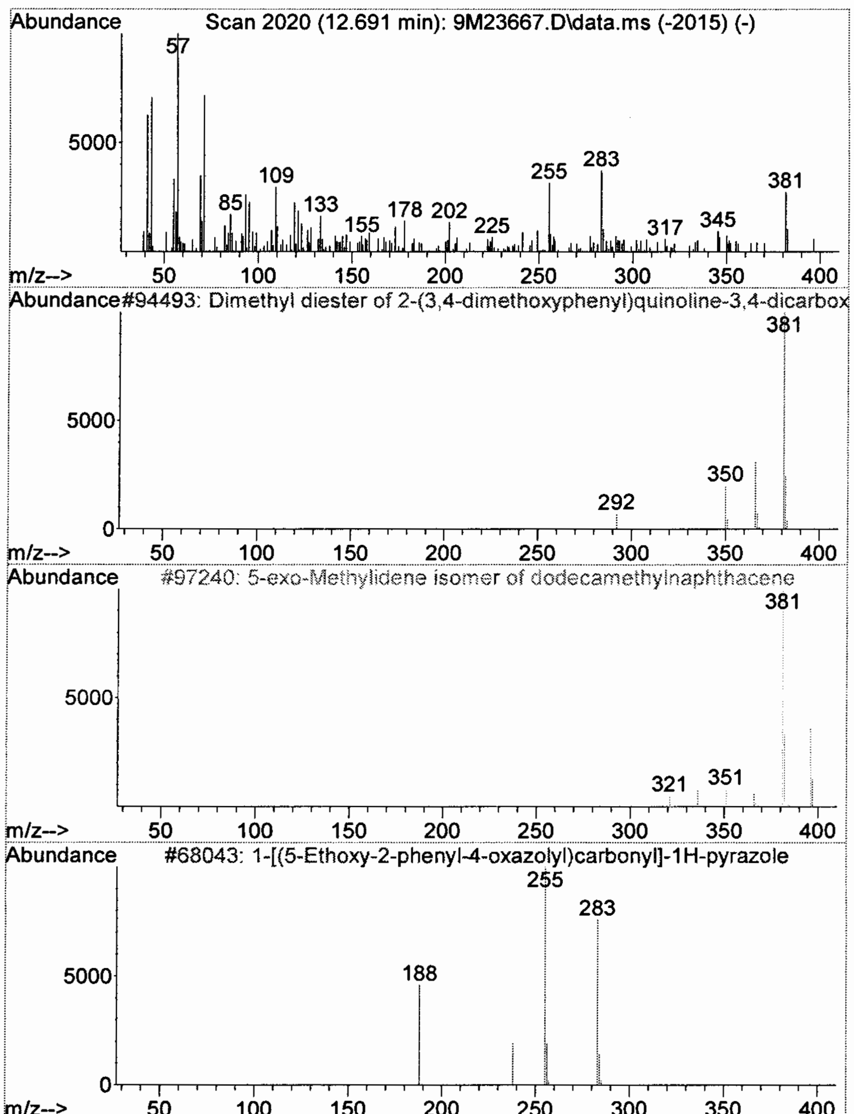
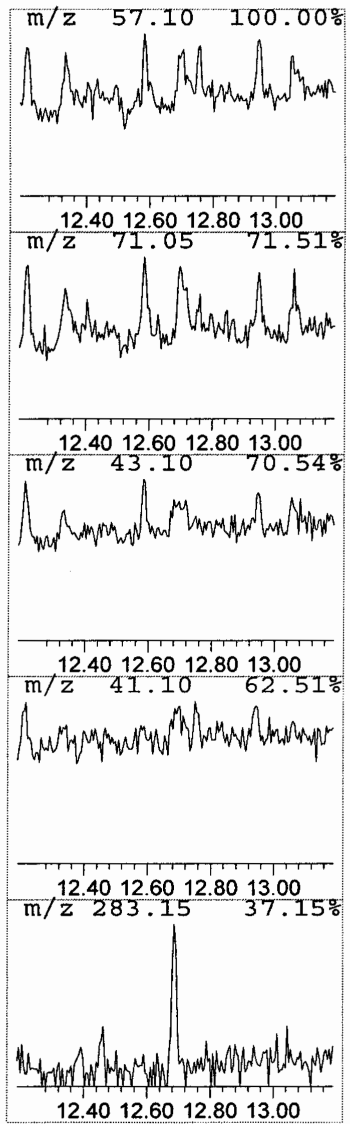
Peak Number 22 Dimethyl diester of 2-(3,4-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	11.22 ng	94383	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl diester of 2-(3,4-dimet...	381	C21H19NO6	088344-61-0	53
2	5-exo-Methylidene isomer of dode...	396	C30H36	068185-80-8	45
3	1-[(5-Ethoxy-2-phenyl-4-oxazolyl...	283	C15H13N3O3	054643-97-9	38
4	Ethyl ester of 5-(1H-pyrazol-1-y...	283	C15H13N3O3	054644-04-1	32
5	1-(ETHOXY-2,2,2-D3)-9,10-ANTHRAQ...	252	C16H9D3O3	027715-49-7	27





Library Search Compound Report

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Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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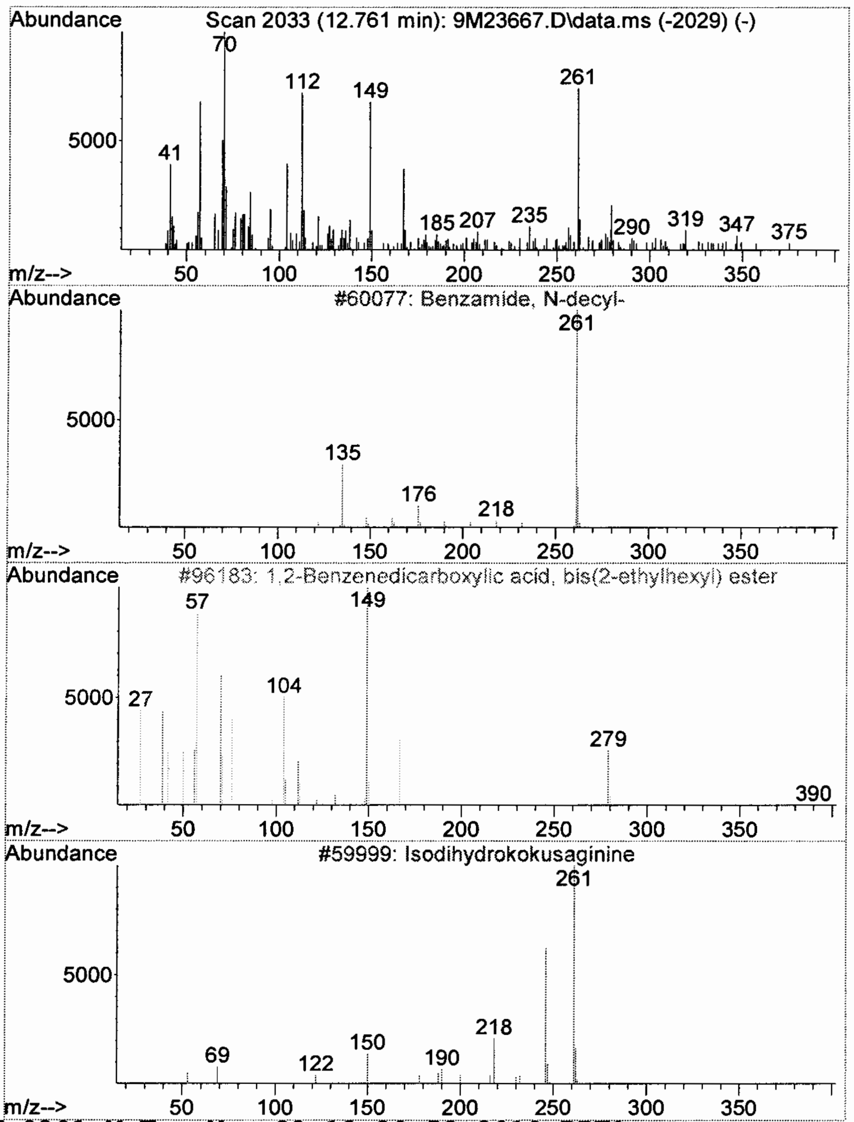
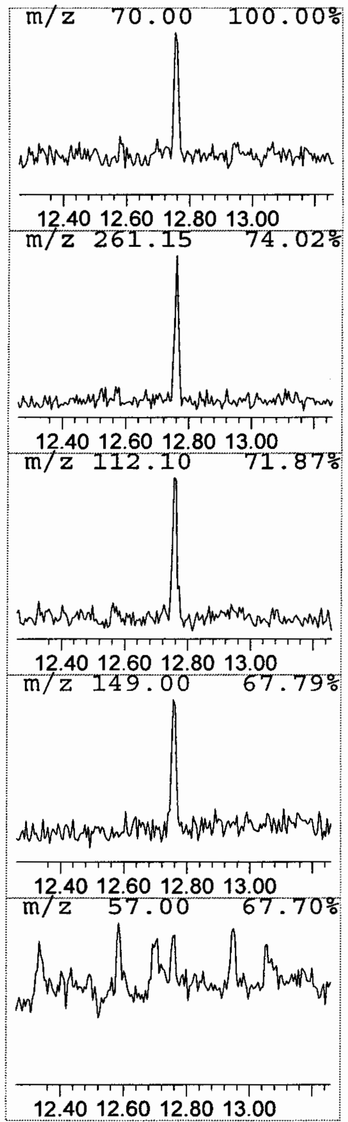
Peak Number 23 unknown Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	5.73 ng	48161	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-decyl-	261	C17H27NO	053044-19-2	27
2	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	16
3	Isodihydrokokusaginine	261	C14H15NO4	062595-68-0	15
4	Aspidofractinine-3-methanol, (2....	310	C20H26N2O	002656-44-2	14
5	3-Piperidinone, 1-acetyl-6-methyl-	155	C8H13NO2	054751-97-2	12





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
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Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

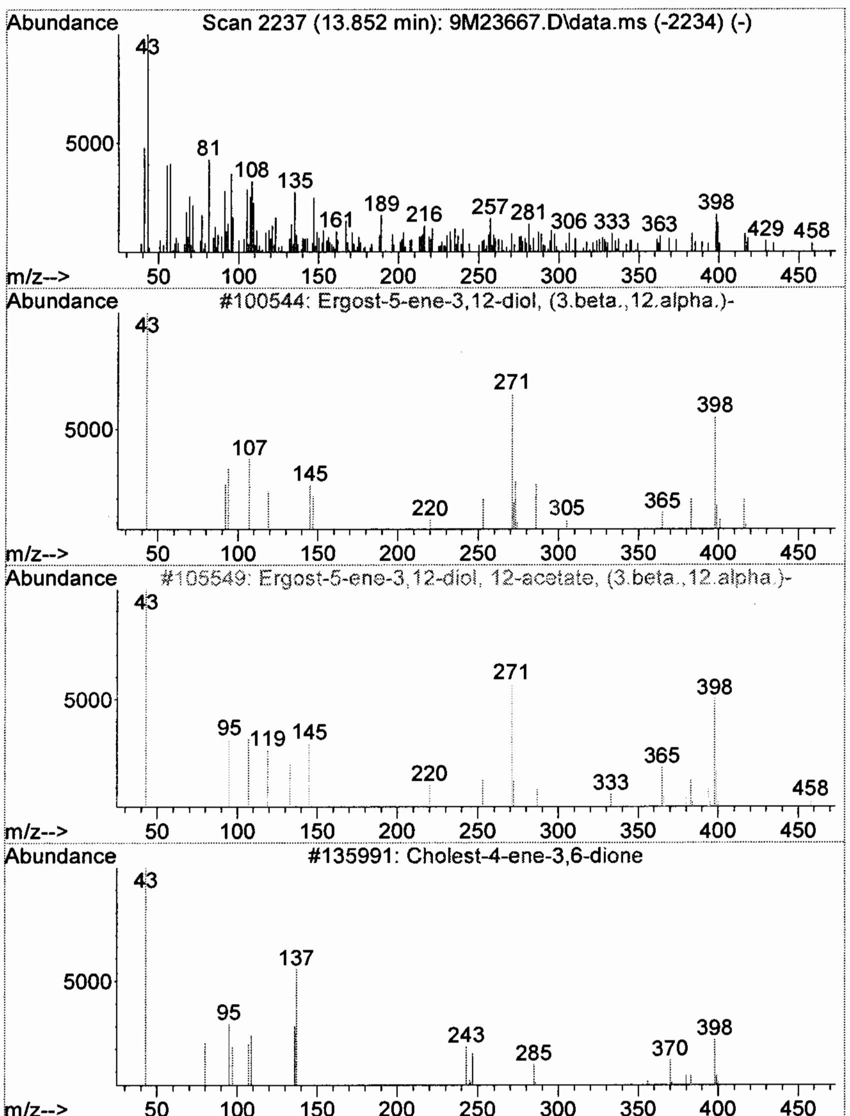
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

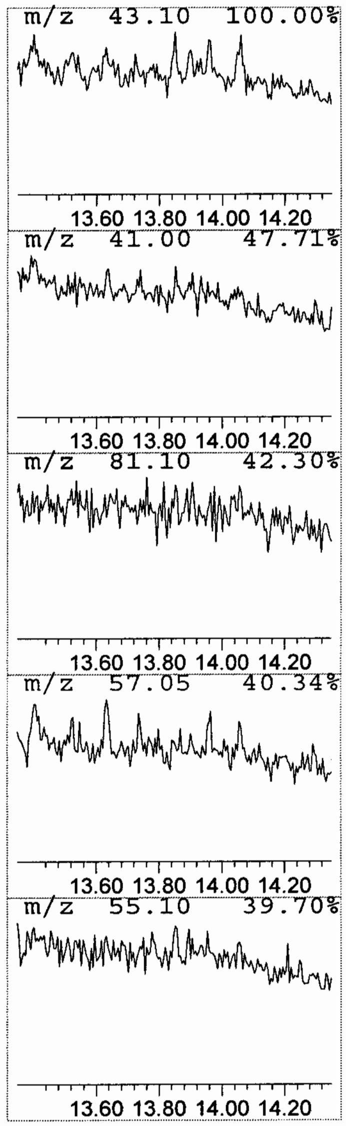
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.74 ng	56739	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ergost-5-ene-3,12-diol, (3.beta....	416	C28H48O2	056052-10-9	27
2	Ergost-5-ene-3,12-diol, 12-aceta...	458	C30H50O3	056052-09-6	14
3	Cholest-4-ene-3,6-dione	398	C27H42O2	000984-84-9	10
4	Cholest-4-ene-3,6-dione	398	C27H42O2	000984-84-9	10
5	Ergosta-5,7-dien-3-ol, (3.beta.)-	398	C28H46O	000516-79-0	10





Library Search Compound Report

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Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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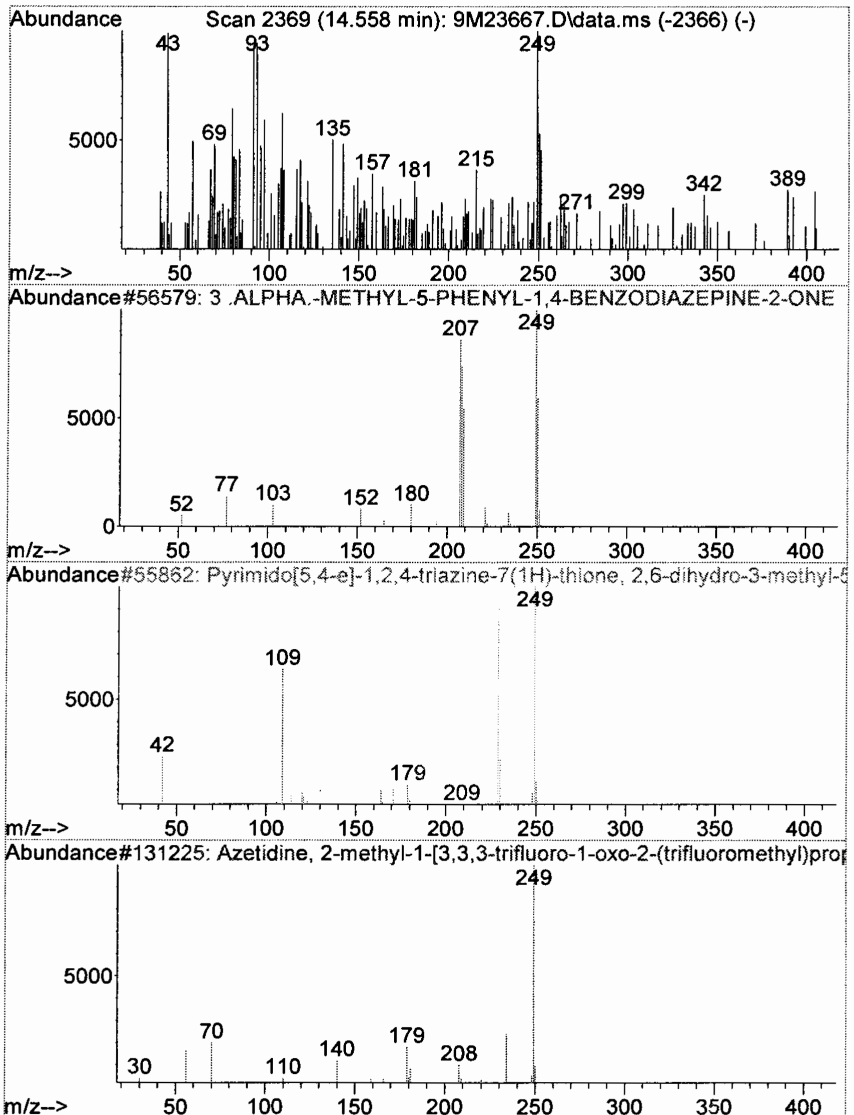
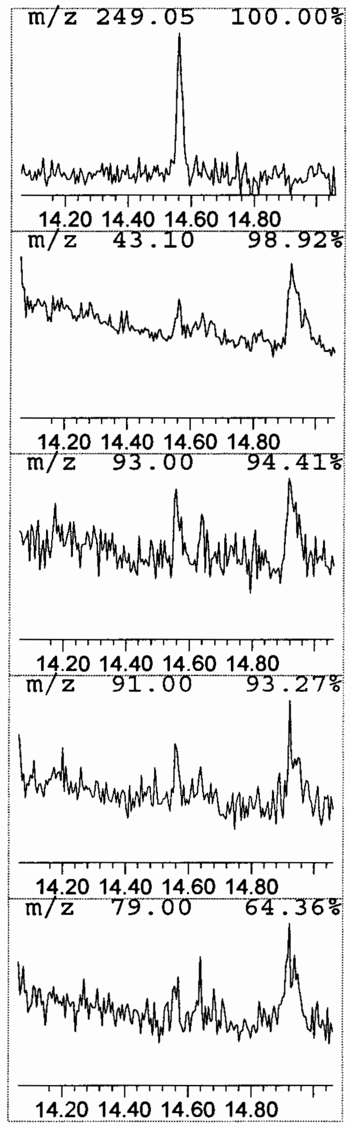
Peak Number 25 unknown Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	5.94 ng	49954	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3 .ALPHA.-METHYL-5-PHENYL-1,4-BE...	250	C16H14N2O	034099-62-2	37
2	Pyrimido[5,4-e]-1,2,4-triazine-7...	249	C7H6F3N5S	032709-35-6	22
3	Azetidine, 2-methyl-1-[3,3,3-tri...	249	C8H9F6NO	050837-79-1	18
4	7-Chloro-4-(3,5-dimethylpyrazol-...	249	C9H8ClN7	085732-78-1	14
5	1H-3-Benzazepine-2-carboxylic ac...	249	C13H15NO4	017639-49-5	12





Library Search Compound Report

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Data File : 9M23667.D
Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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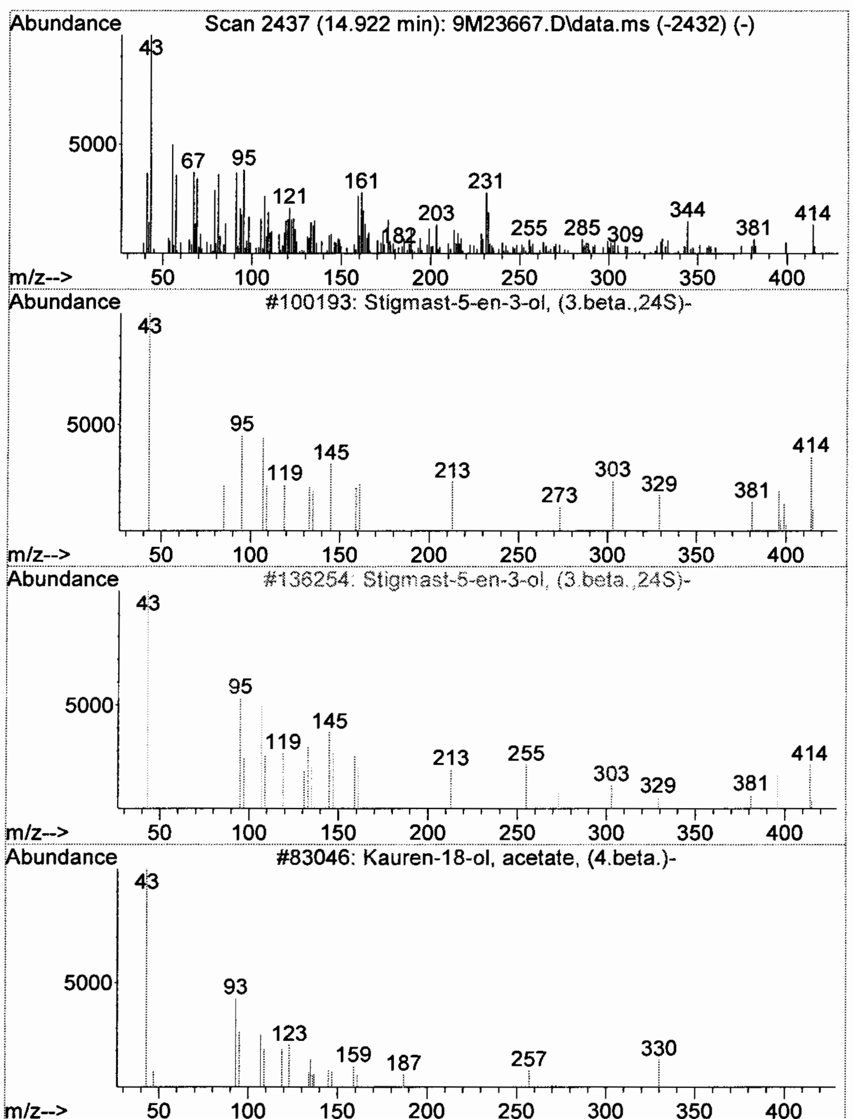
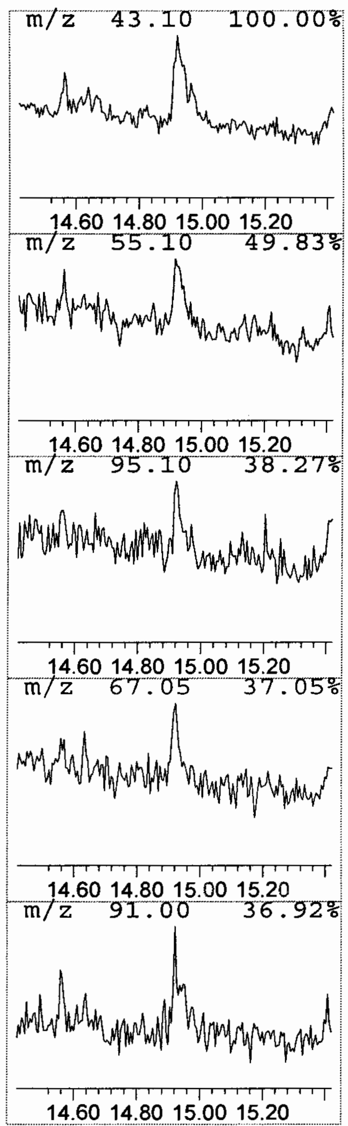
Peak Number 26 Stigmast-5-en-3-ol, (3.beta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	26.46 ng	222561	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	81
2	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	46
3	Kauren-18-ol, acetate, (4.beta.)-	330	C22H34O2	072150-74-4	10
4	KAUREN-19-YL-ACETATE	330	C22H34O2	000000-00-0	10
5	Ingenol triacetate	474	C26H34O8	030220-45-2	9





Library Search Compound Report

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Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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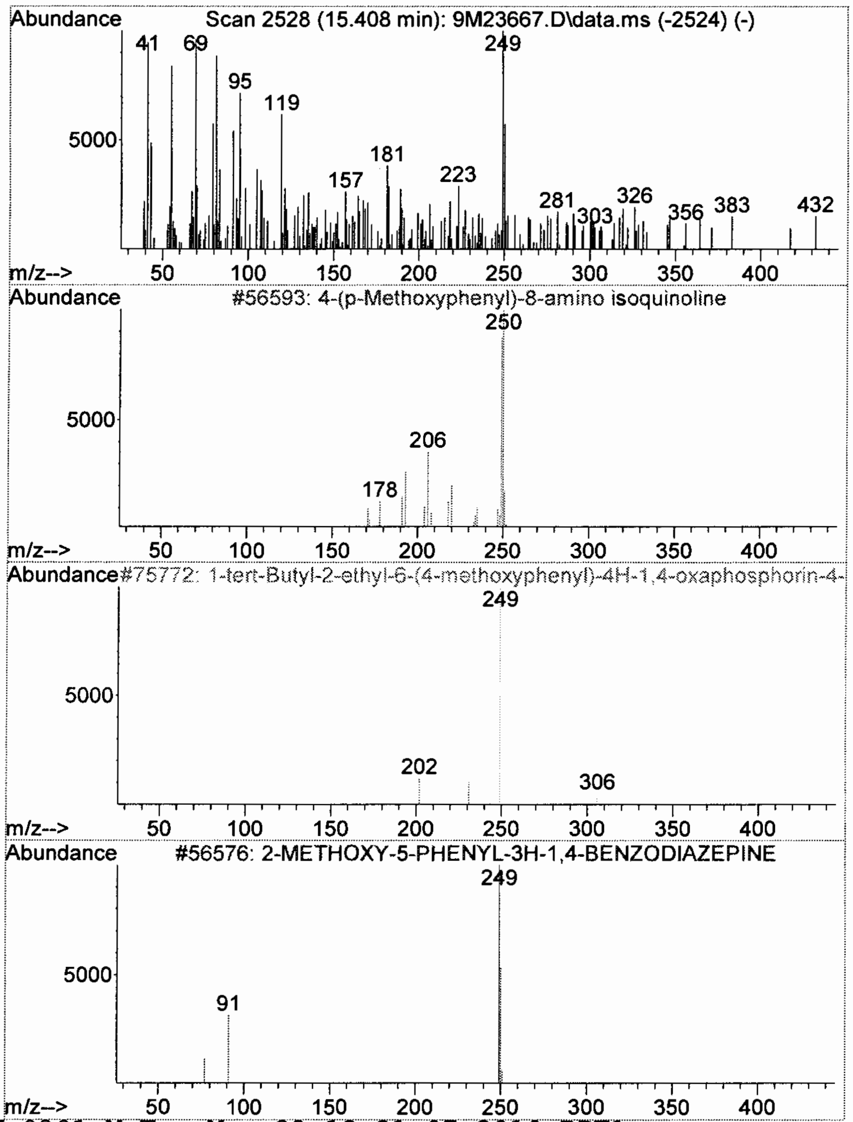
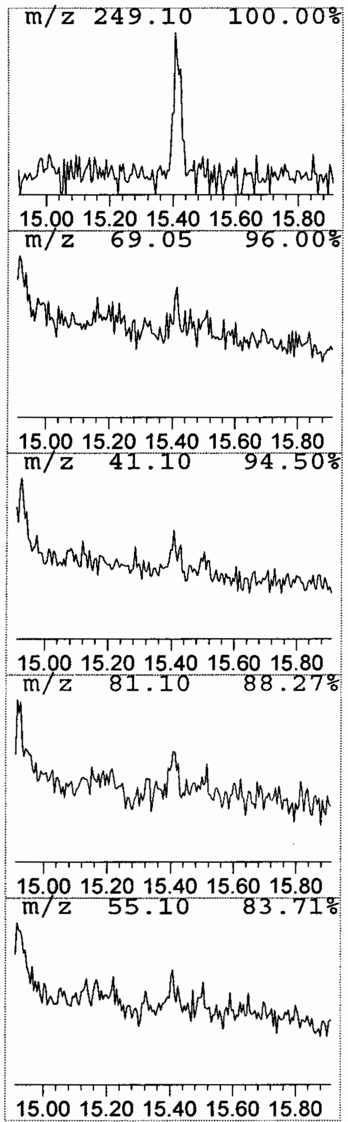
Peak Number 27 unknown Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	7.76 ng	65284	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(p-Methoxyphenyl)-8-amino isoq...	250	C16H14N2O	000000-00-0	25
2	1-tert-Butyl-2-ethyl-6-(4-methox...	306	C17H23O3P	086299-72-1	25
3	2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	22
4	1-Benzoyl-2-methyl-5,6,7,8-tetra...	250	C18H18O	082669-96-3	22
5	2(1H)-Pteridinethione, 3,4-dihyd...	250	C7H5F3N4OS	032706-28-8	15





Library Search Compound Report

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Data File : 9M23667.D
Acq On    : 10 Mar 2010  17:22
Operator  : AHD
Sample    : AC50199-002
Misc      : S,BNA
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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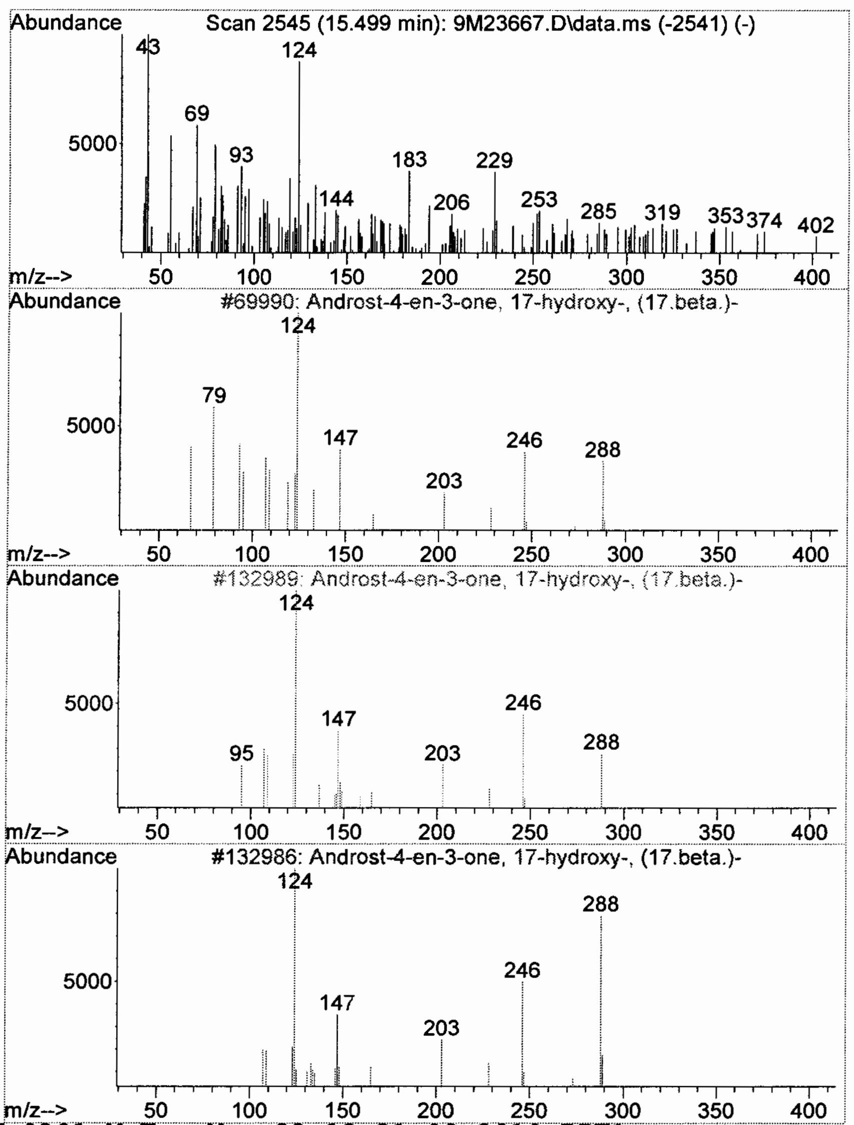
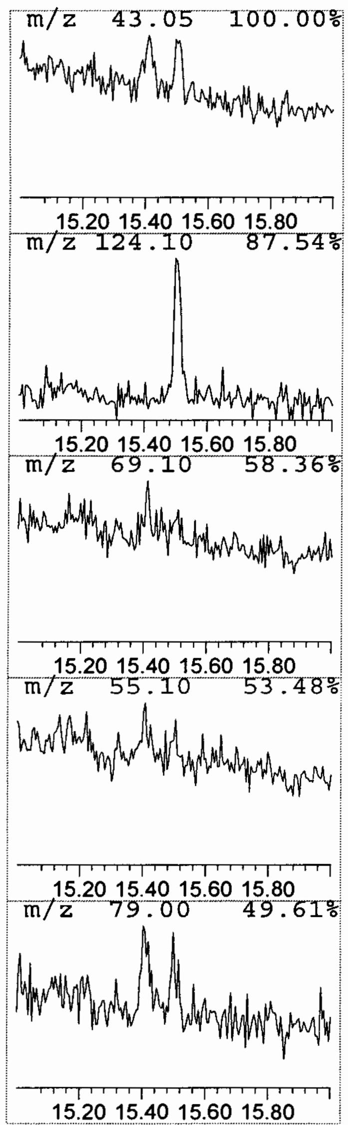
Peak Number 28   unknown   Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	6.67 ng	56069	LibIS-Perylene-d12	13.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000058-22-0	38
2	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000058-22-0	30
3	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000058-22-0	16
4	Cyclobuta[1,2:3,4]dicyclooctene-...	248	C16H24O2	069926-83-6	14
5	Tricyclo[8.6.0.0(2,9)]hexadeca-8...	248	C16H24O2	000000-00-0	14





Tentatively Identified Compound (LSC) summary

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Data File : 9M23667.D
Acq On : 10 Mar 2010 17:22
Operator : AHD
Sample : AC50199-002
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

					-----Internal Standard------				
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3-Penten-2-one, 4...	2.66	24.6	ng	122304	1	5.14	5.14	198823	40.0
unknown	3.18	18.6	ng	92469	1	5.14	5.14	198823	40.0
2-Pentanone, 4-hy...	3.62	5951.2	ng	29580663	1	5.14	5.14	198823	40.0
unknown	4.31	12.3	ng	60932	1	5.14	5.14	198823	40.0
2-Propanol, 1-but...	4.54	8.1	ng	40255	1	5.14	5.14	198823	40.0
unknown	5.09	15.9	ng	78818	1	5.14	5.14	198823	40.0
Naphthalene, 1-me...	6.77	10.9	ng	83709	2	6.17	6.17	306512	40.0
Naphthalene, 2-et...	7.12	5.8	ng	51544	3	7.50	7.50	354535	40.0
unknown	7.17	17.7	ng	157118	3	7.50	7.50	354535	40.0
Naphthalene, 1,3-...	7.23	8.3	ng	73770	3	7.50	7.50	354535	40.0
Naphthalene, 2,6-...	7.25	5.7	ng	50841	3	7.50	7.50	354535	40.0
3-Undecyne	9.80	14.5	ng	130780	4	8.88	8.88	360300	40.0
cis-3-methoxy-2-(...	9.83	6.4	ng	57577	4	8.88	8.88	360300	40.0
unknown	9.93	104.6	ng	942001	4	8.88	8.88	360300	40.0
Eicosane	10.15	6.0	ng	53946	4	8.88	8.88	360300	40.0
10-Methoxybenz[a]...	10.28	119.2	ng	1073910	4	8.88	8.88	360300	40.0
(E,E)-2,5-Dipheny...	10.81	40.4	ng	360355	5	11.88	11.88	356660	40.0
Octadecane	11.01	6.9	ng	61154	5	11.88	11.88	356660	40.0
4(1H)-Pteridinone...	11.71	27.1	ng	241940	5	11.88	11.88	356660	40.0
Tricosane	11.82	5.6	ng	50198	5	11.88	11.88	356660	40.0
Dimethyl diester ...	12.69	11.2	ng	94383	6	13.48	13.48	336485	40.0
unknown	12.76	5.7	ng	48161	6	13.48	13.48	336485	40.0
unknown	13.85	6.7	ng	56739	6	13.48	13.48	336485	40.0
unknown	14.56	5.9	ng	49954	6	13.48	13.48	336485	40.0
Stigmast-5-en-3-o...	14.92	26.5	ng	222561	6	13.48	13.48	336485	40.0
unknown	15.41	7.8	ng	65284	6	13.48	13.48	336485	40.0
unknown	15.50	6.7	ng	56069	6	13.48	13.48	336485	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-003(3X)
Client Id: PI-01-TP-RAS4030410SO1
Data File: 9M23699.D
Analysis Date: 03/11/10 17:29
Date Rec/Extracted: 03/05/10-03/10/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.27	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.27**	**0.46**
122-66-7	1,2-Diphenylhydrazine	0.27	U	207-08-9	Benzo[k]fluoranthene	0.27	U
95-95-4	2,4,5-Trichlorophenol	0.27	U	65-85-0	Benzoic Acid	1.4	U
88-06-2	2,4,6-Trichlorophenol	0.27	U	111-91-1	bis(2-Chloroethoxy)methan	0.27	U
120-83-2	2,4-Dichlorophenol	0.27	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.27	U	108-60-1	bis(2-chloroisopropyl)ether	0.27	U
51-28-5	2,4-Dinitrophenol	1.4	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.27	U
121-14-2	2,4-Dinitrotoluene	0.27	U	85-68-7	Butylbenzylphthalate	0.27	U
606-20-2	2,6-Dinitrotoluene	0.27	U	86-74-8	Carbazole	0.27	U
91-58-7	2-Chloronaphthalene	0.27	U	**218-01-9**	**Chrysene**	**0.27**	**2.0**
95-57-8	2-Chlorophenol	0.27	U	53-70-3	Dibenzo[a,h]anthracene	0.27	U
91-57-6	**2-Methylnaphthalene**	**0.27**	**0.37**	132-64-9	Dibenzofuran	0.27	U
95-48-7	2-Methylphenol	0.27	U	84-66-2	Diethylphthalate	0.27	U
88-74-4	2-Nitroaniline	0.27	U	131-11-3	Dimethylphthalate	0.27	U
88-75-5	2-Nitrophenol	0.27	U	84-74-2	Di-n-butylphthalate	0.27	U
106-44-5	3&4-Methylphenol	0.27	U	117-84-0	Di-n-octylphthalate	0.27	U
91-94-1	3,3'-Dichlorobenzidine	0.27	U	**206-44-0**	**Fluoranthene**	**0.27**	**0.88**
99-09-2	3-Nitroaniline	0.27	U	86-73-7	Fluorene	0.27	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.27	U	87-68-3	Hexachlorobutadiene	0.27	U
59-50-7	4-Chloro-3-methylphenol	0.27	U	77-47-4	Hexachlorocyclopentadiene	1.4	U
106-47-8	4-Chloroaniline	0.27	U	67-72-1	Hexachloroethane	0.27	U
7005-72-3	4-Chlorophenyl-phenylether	0.27	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.27	U
100-01-6	4-Nitroaniline	0.27	U	78-59-1	Isophorone	0.27	U
100-02-7	4-Nitrophenol	0.27	U	**91-20-3**	**Naphthalene**	**0.27**	**0.60**
83-32-9	**Acenaphthene**	**0.27**	**0.47**	98-95-3	Nitrobenzene	0.27	U
208-96-8	Acenaphthylene	0.27	U	62-75-9	N-Nitrosodimethylamine	0.27	U
62-53-3	Aniline	0.27	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.27	U	86-30-6	n-Nitrosodiphenylamine	0.27	U
92-87-5	Benzidine	1.4	U	87-86-5	Pentachlorophenol	1.4	U
56-55-3	**Benzo[a]anthracene**	**0.27**	**1.4**	**85-01-8**	**Phenanthrene**	**0.27**	**0.56**
50-32-8	**Benzo[a]pyrene**	**0.27**	**0.87**	108-95-2	Phenol	0.27	U
205-99-2	**Benzo[b]fluoranthene**	**0.27**	**0.60**	**129-00-0**	**Pyrene**	**0.27**	**2.5**

Worksheet #: 145846

Total Target Concentration 11

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: AC50199-003(3X)
Client Id: PI-01-TP-RAS4030410
Data File: 9M23699.D
Analysis Date: 03/11/10 17:29
Date Rec/Extracted: 03/05/10-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 74
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.47	260 JA B IL 3.23.10
2		unknown	6.54	3.2 J
3	54965-05-8	Cyclohexane, 1,1,3-trimethyl-2-(3-methy	7.00	2.2 J
4	829-26-5	Naphthalene, 2,3,6-trimethyl-	7.74	2.5 J
5	69258-18-0	2-Allyl-1-methylnaphthalene	8.26	2.3 J
6	1430-97-3	9H-Fluorene, 2-methyl-	8.46	2.6 J
7	613-33-2	1,1'-Biphenyl, 4,4'-dimethyl-	8.49	2.8 J
8	33788-22-6	4-HYDROXYMELLEIN	8.97	2.2 J
9	101-77-9	Benzenamine, 4,4'-methylenebis-	9.39	2.6 J
10	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	9.64	3.5 J
11	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	9.70	2.7 J
12	1207-15-4	2,8-Dimethyldibenzothiophene	9.73	2.7 J
13	89816-53-5	1,7-Dimethyldibenzothiophene	9.82	2.7 J
14	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.00	6.3 J
15	1576-67-6	Phenanthrene, 3,6-dimethyl-	10.03	3.4 J
16	29385-11-3	Phenol, (1-methylethyl)dinitro-	10.14	3.0 J
17	61649-69-2	Ferrocenyldimethylborane	10.23	3.4 J
18	71185-29-0	2-Ethyl-1,3,4,5,8-pentamethylnaphthale	10.36	2.7 J
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	5.1 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.52	6.3 J
21		unknown	10.69	2.2 J
22	243-17-4	11H-Benzo[b]fluorene	10.81	4.5 J
23	2381-21-7	Pyrene, 1-methyl-	11.04	2.7 J
24		unknown	11.13	2.5 J
25		unknown	13.98	2.9 J

Worksheet #: 145846

Total Tentatively Identified Concentration 340

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)

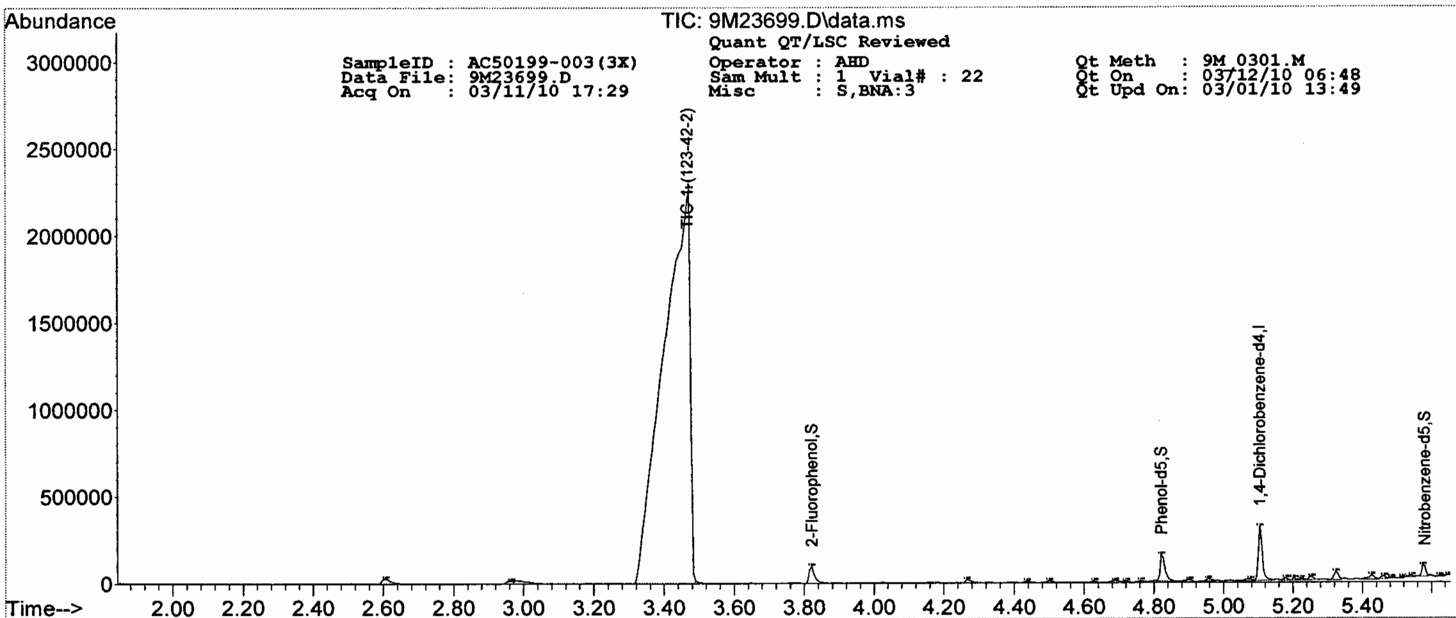
SampleID : AC50199-003(3X) Operator : AHD Qt Meth : 9M_0301.M
Data File: 9M23699.D Sam Mult : 1 Vial# : 22 Qt On : 03/12/10 06:48
Acq On : 03/11/10 17:29 Misc : S,BNA:3 Qt Upd On: 03/01/10 13:49

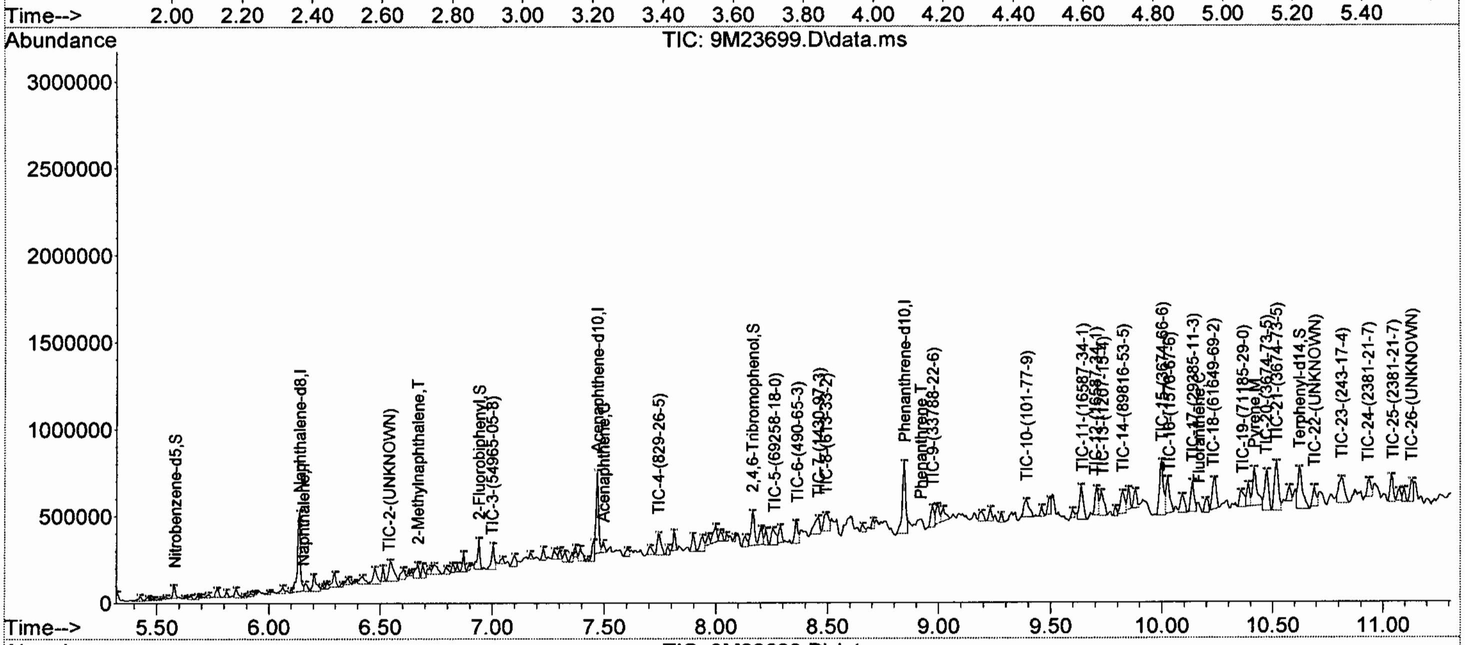
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

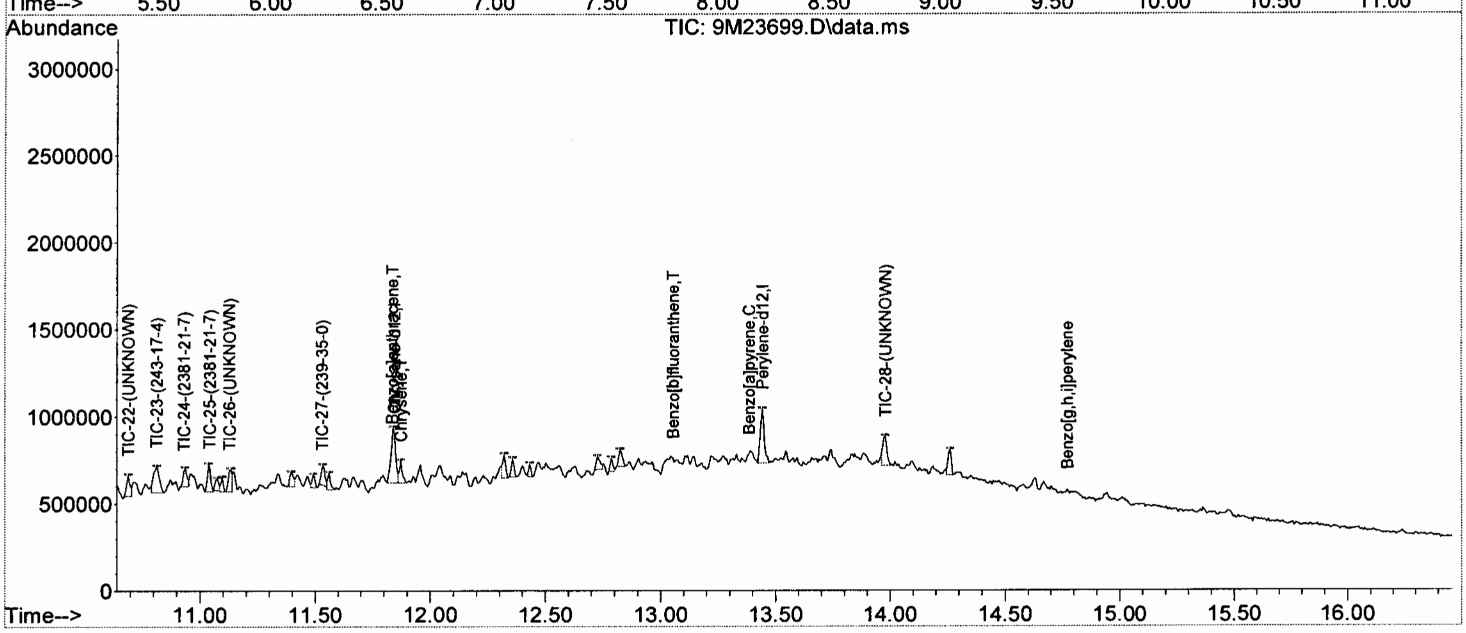
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.105	152	33252	40.00 ng	-0.16
29) Naphthalene-d8	6.137	136	132148	40.00 ng	-0.16
47) Acenaphthene-d10	7.469	164	71810	40.00 ng	-0.18
73) Phenanthrene-d10	8.843	188	116952	40.00 ng	-0.20
87) Chrysene-d12	11.844	240	96127	40.00 ng	-0.21
102) Perylene-d12	13.443	264	112901	40.00 ng	-0.21
System Monitoring Compounds					
10) 2-Fluorophenol	3.821	112	26264	29.38 ng	-0.19
Spiked Amount 100.000			Recovery =	29.38%	
15) Phenol-d5	4.821	99	36500	31.31 ng	-0.16
Spiked Amount 100.000			Recovery =	31.31%	
30) Nitrobenzene-d5	5.581	128	7851	14.17 ng	-0.16
Spiked Amount 50.000			Recovery =	28.34%	
52) 2-Fluorobiphenyl	6.939	172	31095	12.66 ng	-0.16
Spiked Amount 50.000			Recovery =	25.32%	
76) 2,4,6-Tribromophenol	8.164	330	10200	46.92 ng	-0.19
Spiked Amount 100.000			Recovery =	46.92%	
90) Terphenyl-d14	10.619	244	38346	13.90 ng	-0.21
Spiked Amount 50.000			Recovery =	27.80%	
Target Compounds					Qvalue
39) Naphthalene	6.153	128	14994	4.46 ng	95
44) 2-Methylnaphthalene	6.667	142	6256	2.72 ng	95
61) Acenaphthene	7.496	153	7374	3.46 ng	82
82) Phenanthrene	8.918	178	14121m	4.15 ng	
86) Fluoranthene	10.165	202	24264	6.54 ng	98
88) Pyrene	10.416	202	72865	18.83 ng	93
99) Benzo[a]anthracene	11.833	228	36261	10.38 ng	80
100) Chrysene	11.871	228	48865	14.62 ng	88
104) Benzo[b]fluoranthene	13.053	252	16653m	4.42 ng	
106) Benzo[a]pyrene	13.384	252	22740	6.47 ng	87
109) Benzo[g,h,i]perylene	14.770	276	10486m	3.40 ng	
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.105		245553	40.00 ng	--
2) Naphthalene-d8	6.137		300511m	40.00 ng	--
3) Acenaphthene-d10	7.469		309510m	40.00 ng	--
4) Phenanthrene-d10	8.843		341586m	40.00 ng	--
5) Chrysene-d12	11.839		309015m	40.00 ng	--
6) Perylene-d12	13.443		376957	40.00 ng	--
Library Search Compounds					
1) 123-42-2	3.470		11842042	1929.04 ng	45
2) UNKNOWN	6.540		176091	23.44 ng	--
3) 54965-05-8	7.000		128128	16.56 ng	86
4) 829-26-5	7.740		145603	18.82 ng	95
5) 69258-18-0	8.260		145554	17.04 ng	58
6) 490-65-3	8.360		136348	15.97 ng	86
7) 1430-97-3	8.460		163852	19.19 ng	86
8) 613-33-2	8.490		178944	20.95 ng	90
9) 33788-22-6	8.970		141540	16.57 ng	90
10) 101-77-9	9.390		163144	19.10 ng	60
11) 16587-34-1	9.640		222738	26.08 ng	89
12) 16587-34-1	9.700		171651	20.10 ng	78
13) 1207-15-4	9.730		170246	19.94 ng	72
14) 89816-53-5	9.820		173504	20.32 ng	83
15) 3674-66-6	10.000		399033	46.73 ng	93
16) 1576-67-6	10.030		213983	25.06 ng	55
17) 29385-11-3	10.140		189346	22.17 ng	60
18) 61649-69-2	10.230		214705	25.14 ng	72
19) 71185-29-0	10.360		154376	19.98 ng	72
20) 3674-73-5	10.470		289373	37.46 ng	90
21) 3674-73-5	10.520		358221	46.37 ng	93
22) UNKNOWN	10.690		127469	16.50 ng	--
23) 243-17-4	10.810		257848	33.38 ng	76
24) 2381-21-7	10.930		122936	15.91 ng	90
25) 2381-21-7	11.040		155163	20.08 ng	93
26) UNKNOWN	11.130		142087	18.39 ng	--
27) 239-35-0	11.530		125281	16.22 ng	70
28) UNKNOWN	13.980		204156	21.66 ng	--

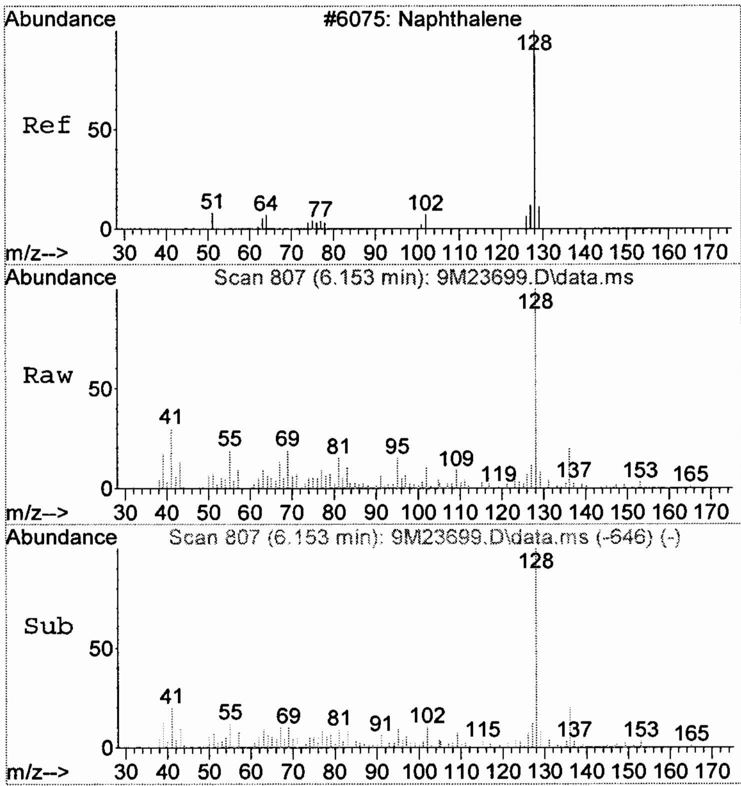
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ku


Abundance
TIC: 9M23699.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-003(3X)
Data File: 9M23699.D
Acq On : 03/11/10 17:29
Operator : AHD
Sam Mult : 1 Vial# : 22
Misc : S,BNA:3
Qt Meth : 9M_0301.M
Qt On : 03/12/10 06:48
Qt Upd On: 03/01/10 13:49
TIC-1-(123-42-2)
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->


Abundance
TIC: 9M23699.D\data.ms
Nitrobenzene-d5,S
Naphthalene-d8,I
TIC-2-(UNKNOWN)
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
TIC-4-(829-26-5)
2,4,6-Tribromophenol,S
TIC-5-(69258-18-0)
TIC-6-(490-65-3)
Phenanthrene-d10,I
Phenanthrene,T
TIC-10-(101-77-9)
TIC-14-(89816-53-5)
TIC-18-(61649-69-2)
Terphenyl-d14,S
TIC-22-(UNKNOWN)
TIC-23-(243-17-4)
TIC-24-(2381-21-7)
TIC-25-(2381-21-7)
TIC-26-(UNKNOWN)
Time-->

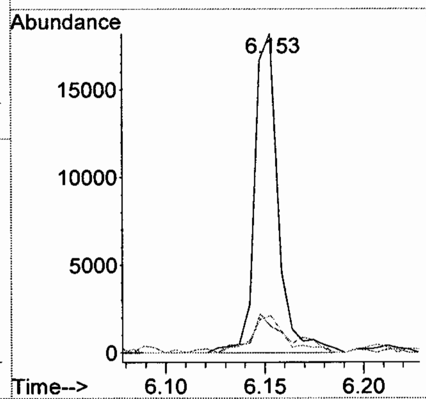

Abundance
TIC: 9M23699.D\data.ms
TIC-22-(UNKNOWN)
TIC-23-(243-17-4)
TIC-24-(2381-21-7)
TIC-25-(2381-21-7)
TIC-26-(UNKNOWN)
TIC-27-(239-35-0)
Benzo[b]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
TIC-28-(UNKNOWN)
Benzo[g,h,i]perylene
Time-->

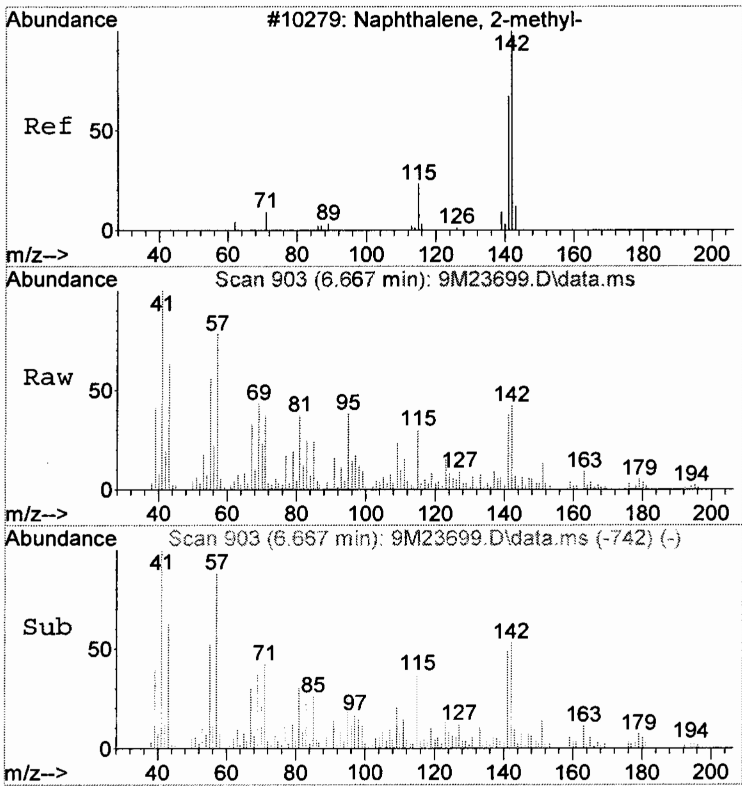


#39
Naphthalene
Concen: 4.46 ng
RT: 6.153 min Scan# 807
Delta R.T. -0.155 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:128 Resp: 14994

Ion	Ratio	Lower	Upper
128	100		
129	8.2	0.0	50.9
127	11.5	0.0	52.4

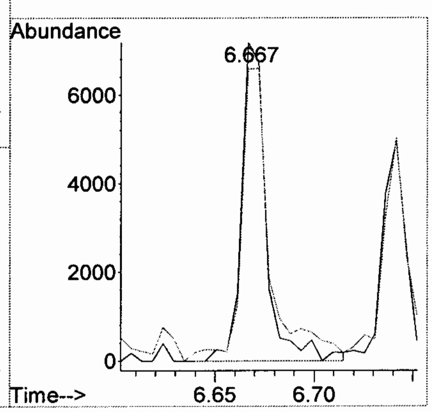


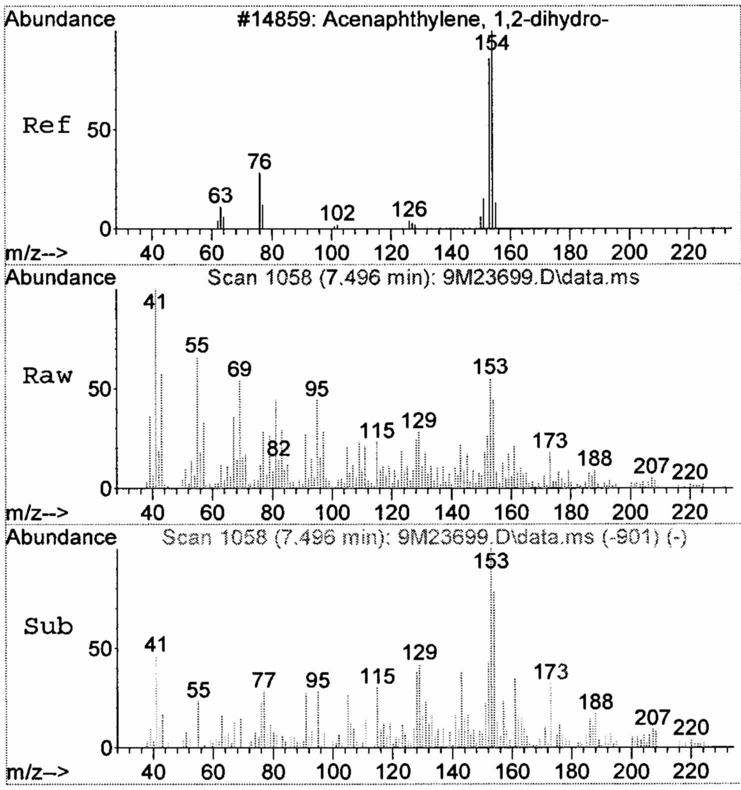


#44
2-Methylnaphthalene
Concen: 2.72 ng
RT: 6.667 min Scan# 903
Delta R.T. -0.155 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:142 Resp: 6256

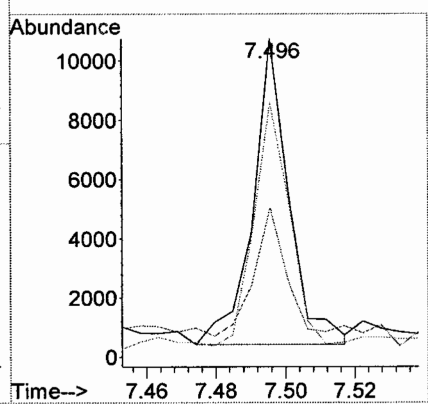
Ion	Ratio	Lower	Upper
142	100		
141	89.1	44.6	124.6

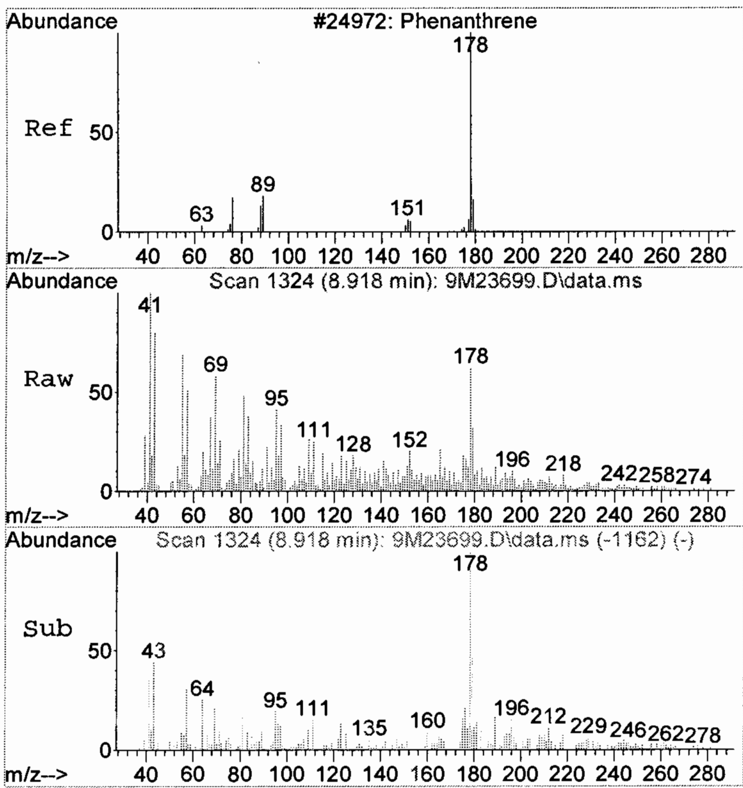




#61
Acenaphthene
Concen: 3.46 ng
RT: 7.496 min   Scan# 1058
Delta R.T.   -0.177 min
Lab File: 9M23699.D
Acq: 11 Mar 2010   17:29

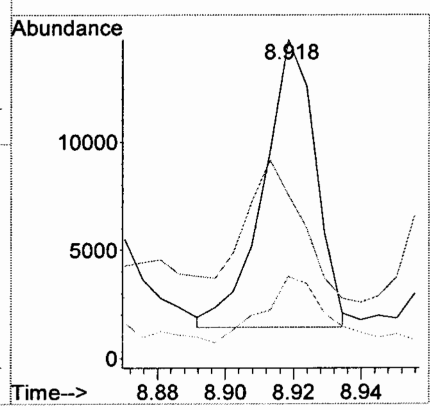
Tgt Ion:153	Resp:		7374
Ion	Ratio	Lower	Upper
153	100		
152	39.5	10.0	90.0
154	78.6	57.5	137.5

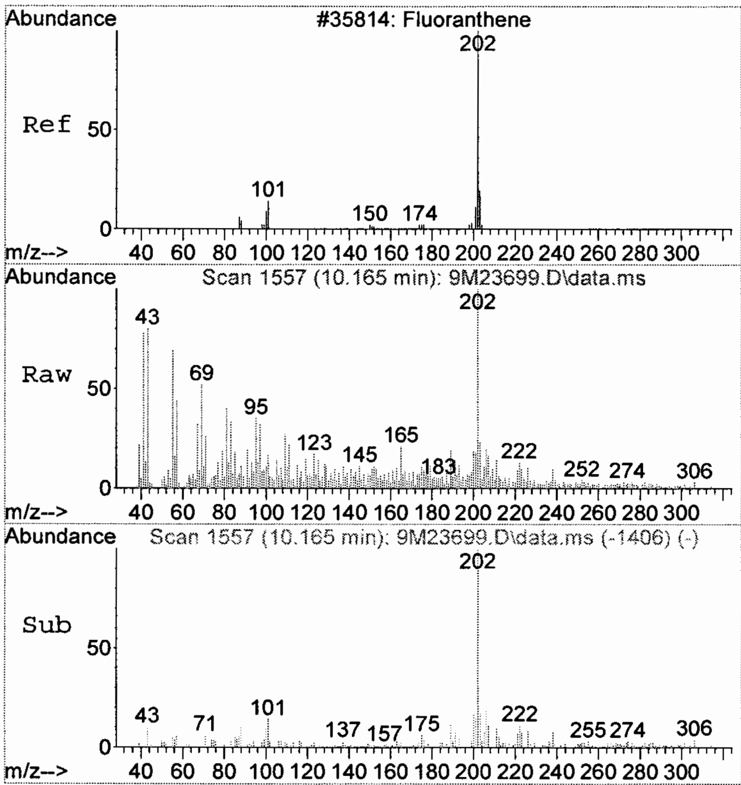




#82
Phenanthrene
Concen: 4.15 ng m
RT: 8.918 min   Scan# 1324
Delta R.T.   -0.150 min
Lab File: 9M23699.D
Acq: 11 Mar 2010   17:29

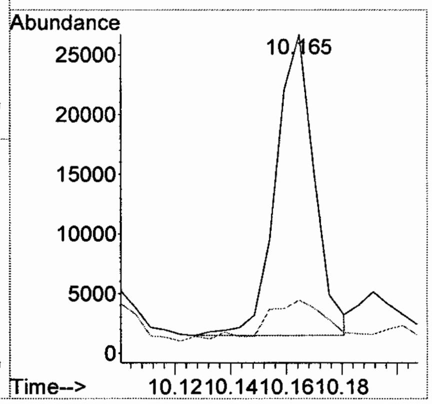
Tgt Ion:178	Resp:		14121
Ion	Ratio	Lower	Upper
178	100		
179	51.3	0.0	55.5
176	25.5	0.0	59.3

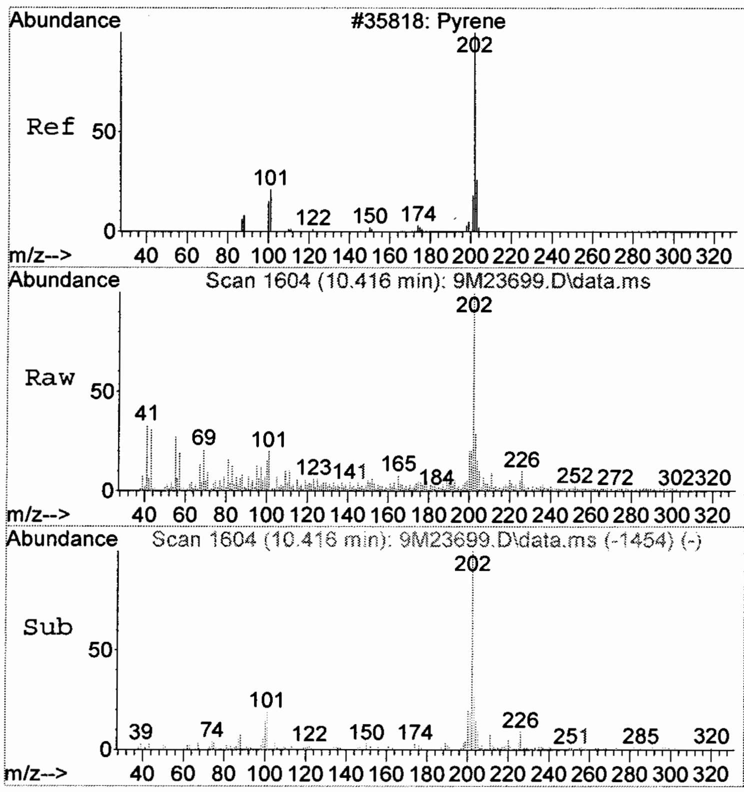




#86
Fluoranthene
Concen: 6.54 ng
RT: 10.165 min Scan# 1557
Delta R.T. -0.209 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

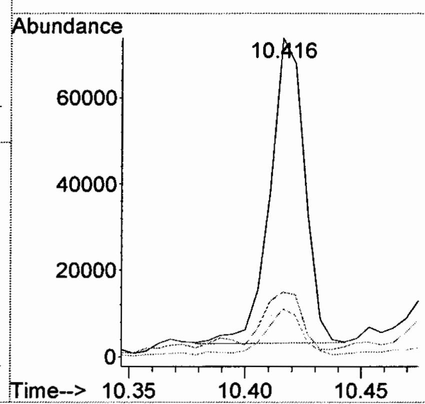
Tgt Ion:202	Resp:		24264
Ion	Ratio	Lower	Upper
202	100		
101	18.4	0.0	57.6

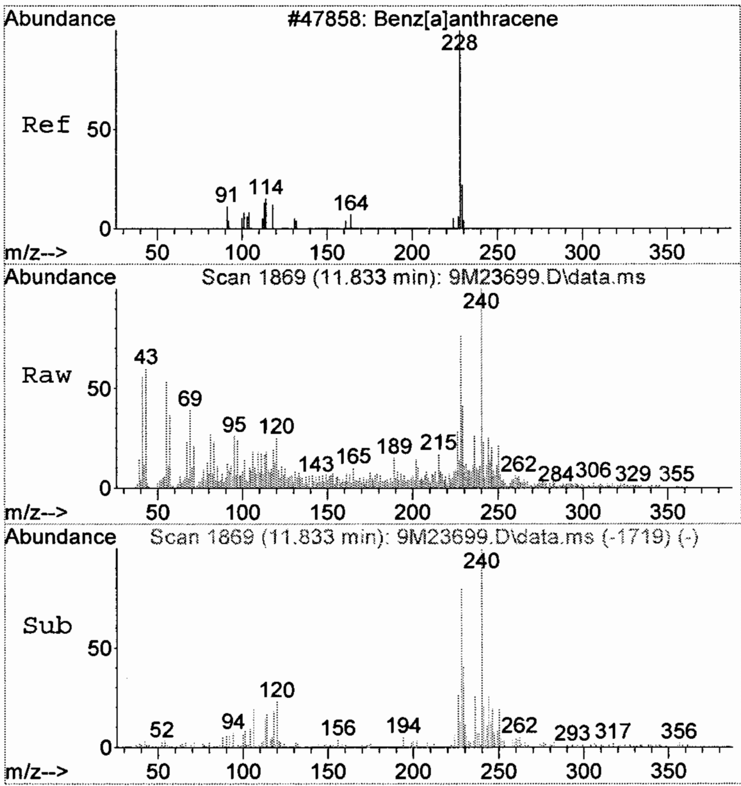




#88
Pyrene
Concen: 18.83 ng
RT: 10.416 min Scan# 1604
Delta R.T. -0.214 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:202	Resp:		72865
Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	62.2
100	15.0	0.0	57.8

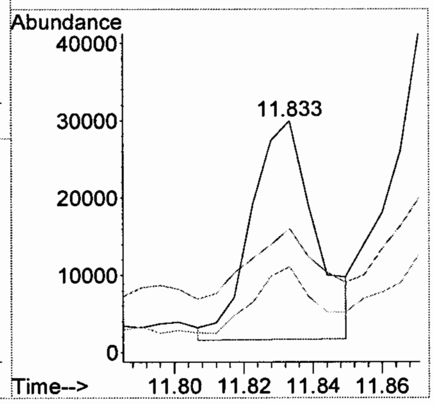


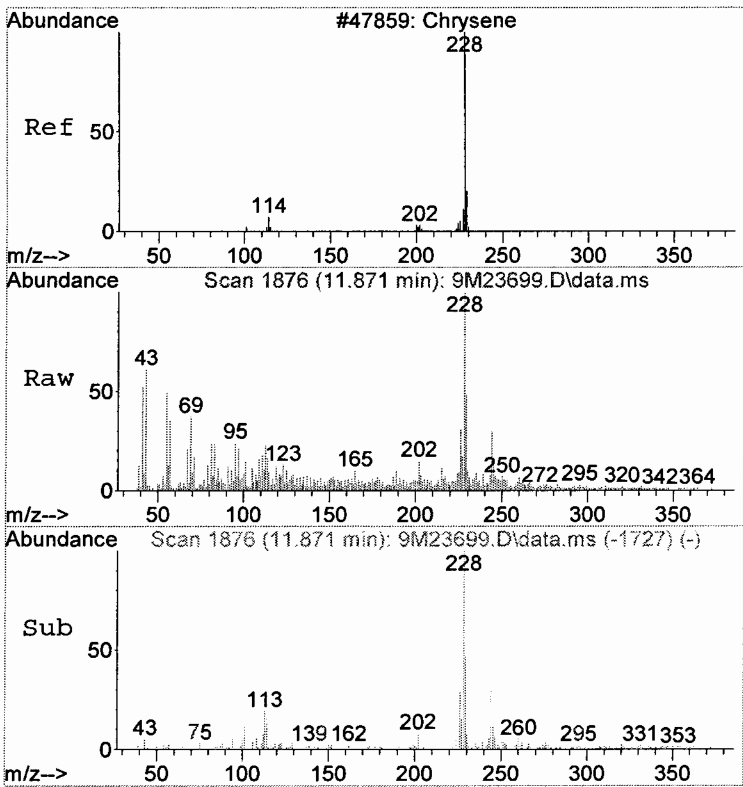


#99
Benzo[a]anthracene
Concen: 10.38 ng
RT: 11.833 min Scan# 1869
Delta R.T. -0.214 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:228 Resp: 36261

Ion	Ratio	Lower	Upper
228	100		
229	33.9	0.0	59.5
226	31.9	0.0	66.0

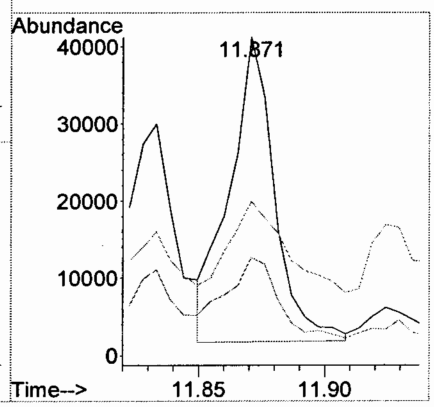


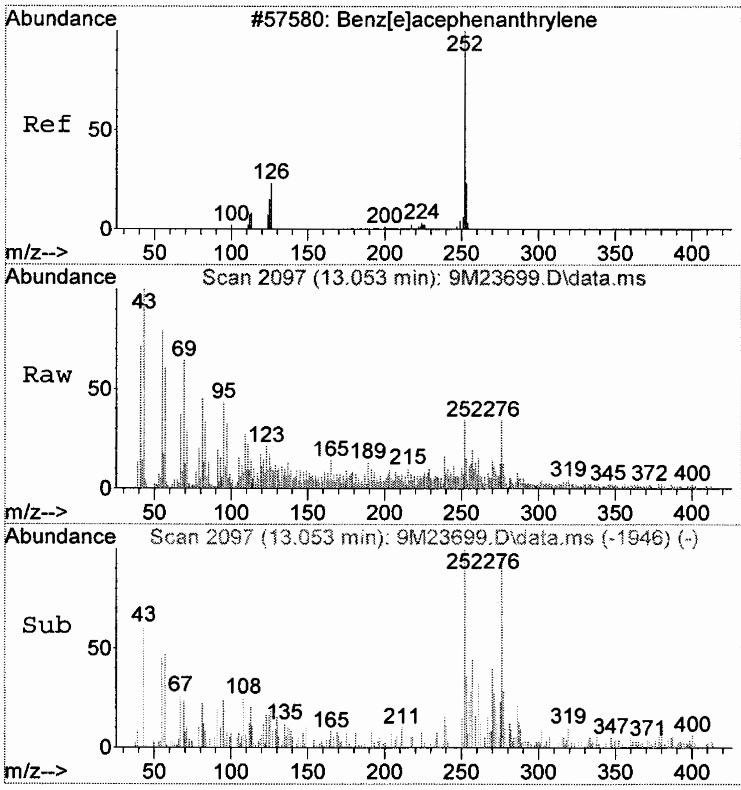


#100
Chrysene
Concen: 14.62 ng
RT: 11.871 min Scan# 1876
Delta R.T. -0.220 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:228 Resp: 48865

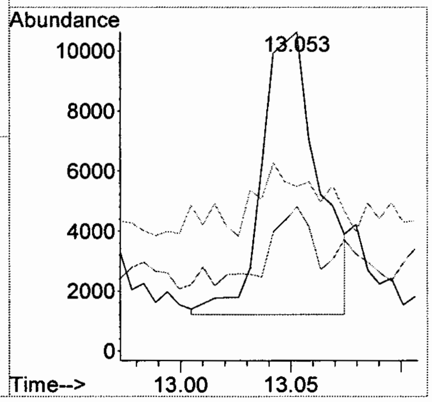
Ion	Ratio	Lower	Upper
228	100		
226	27.1	9.5	49.5
229	30.7	0.0	60.2

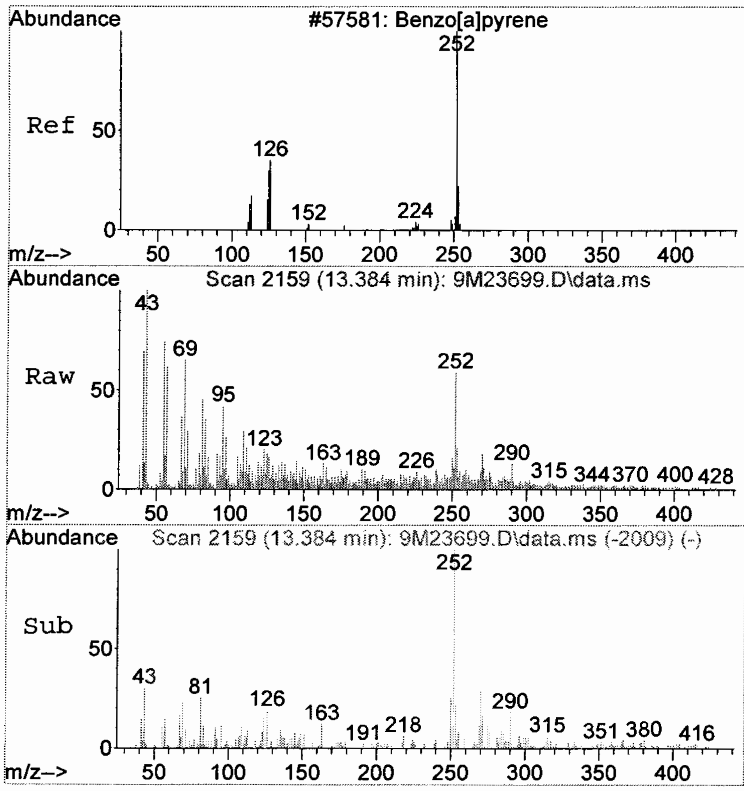




#104
Benzo[b]fluoranthene
Concen: 4.42 ng m
RT: 13.053 min Scan# 2097
Delta R.T. -0.209 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

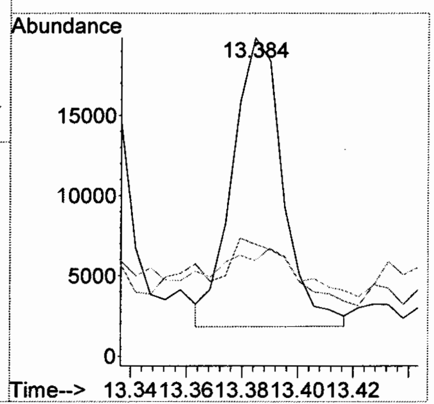
Tgt	Ion:252	Resp:	16653
Ion	Ratio	Lower	Upper
252	100		
253	45.2	0.0	62.3
125	51.7	0.0	58.4

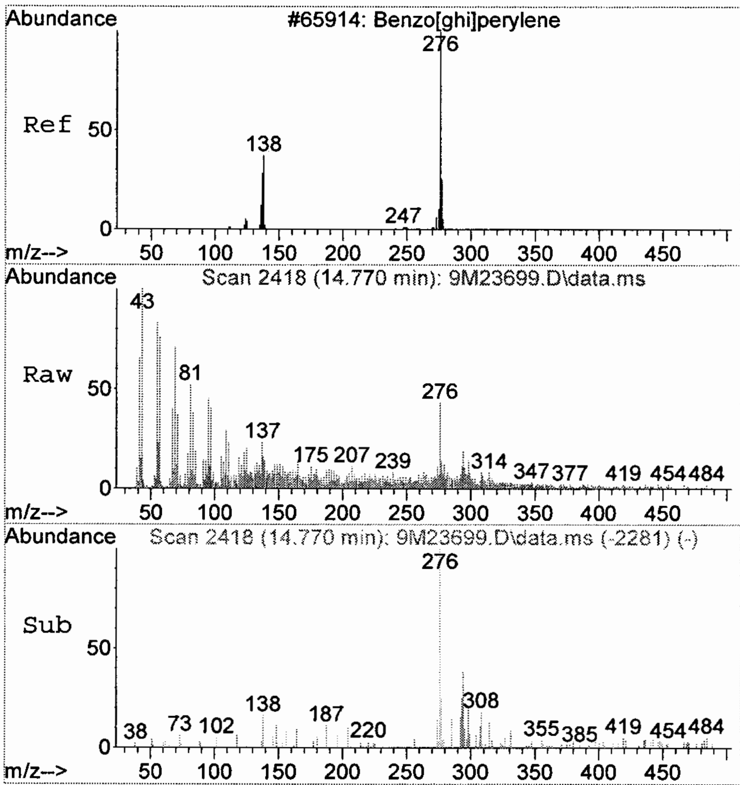




#106
Benzo[a]pyrene
Concen: 6.47 ng
RT: 13.384 min Scan# 2159
Delta R.T. -0.214 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt	Ion:252	Resp:	22740
Ion	Ratio	Lower	Upper
252	100		
253	20.5	0.0	62.4
125	10.7	0.0	60.9

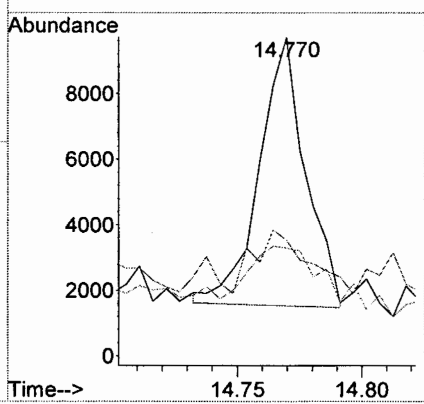




#109
Benzo[g,h,i]perylene
Concen: 3.40 ng m
RT: 14.770 min Scan# 2418
Delta R.T. -0.278 min
Lab File: 9M23699.D
Acq: 11 Mar 2010 17:29

Tgt Ion:276 Resp: 10486

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	140.0
277	0.0	0.0	120.0



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23699.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.607	139	144	155	rBV2	28235	48669	0.41%	0.184%
2	2.965	206	211	212	rBV2	15136	20663	0.17%	0.078%
3	3.473	275	306	309	rBV	2266764	11842042	100.00%	44.711%
4	3.821	368	371	381	rBV	97660	105249	0.89%	0.397%
5	4.265	452	454	463	rVB	18115	21737	0.18%	0.082%
6	4.436	483	486	491	rVB3	8784	10731	0.09%	0.041%
7	4.500	491	498	503	rBV4	11319	15473	0.13%	0.058%
8	4.629	519	522	525	rBV2	7970	7552	0.06%	0.029%
9	4.688	528	533	536	rBV5	10602	15505	0.13%	0.059%
10	4.720	536	539	544	rVB2	8187	8880	0.07%	0.034%
11	4.762	544	547	549	rBV	8736	7750	0.07%	0.029%
12	4.821	555	558	567	rVV	153621	143875	1.21%	0.543%
13	4.902	567	573	576	rVB5	13162	20788	0.18%	0.078%
14	4.955	581	583	587	rBV	15190	16496	0.14%	0.062%
15	5.078	597	606	608	rBV8	10823	20702	0.17%	0.078%
16	5.105	608	611	618	rVV	311142	246495	2.08%	0.931%
17	5.180	622	625	628	rVB3	13717	10226	0.09%	0.039%
18	5.201	628	629	631	rBV2	11265	7471	0.06%	0.028%
19	5.222	631	633	636	rVV3	8672	6982	0.06%	0.026%
20	5.255	636	639	642	rVB3	17045	16206	0.14%	0.061%
21	5.324	649	652	655	rBV2	47479	41371	0.35%	0.156%
22	5.426	665	671	675	rBV7	28820	36788	0.31%	0.139%
23	5.463	675	678	680	rBV3	15727	15592	0.13%	0.059%
24	5.485	680	682	685	rVB4	7265	6859	0.06%	0.026%
25	5.517	685	688	689	rBV3	8819	8325	0.07%	0.031%
26	5.543	689	693	694	rVV4	10826	9934	0.08%	0.038%
27	5.575	696	699	702	rBV	66540	54669	0.46%	0.206%
28	5.624	706	708	711	rBV4	7309	9617	0.08%	0.036%
29	5.650	711	713	716	rVB3	15291	15960	0.13%	0.060%
30	5.682	716	719	720	rBV3	22211	17636	0.15%	0.067%
31	5.698	720	722	724	rVB3	10514	7715	0.07%	0.029%
32	5.731	724	728	730	rBV4	18053	18435	0.16%	0.070%
33	5.768	732	735	739	rVB3	46693	49691	0.42%	0.188%
34	5.811	740	743	746	rBV2	34821	24561	0.21%	0.093%
35	5.854	749	751	756	rVB4	49104	49827	0.42%	0.188%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	5.891	756	758	760	rBV3	11991	11206	0.09%	0.042%
37	5.918	760	763	766	rBV5	16069	19918	0.17%	0.075%
38	5.939	766	767	768	rBV	13154	7471	0.06%	0.028%
39	6.003	775	779	780	rBV4	15061	17967	0.15%	0.068%
40	6.062	785	790	792	rBV6	36269	39404	0.33%	0.149%
41	6.100	796	797	798	rBV	20122	11933	0.10%	0.045%
42	6.137	798	804	808	rVV	461114	431989	3.65%	1.631%
43	6.164	808	809	813	rVB4	44382	38318	0.32%	0.145%
44	6.201	813	816	822	rBV5	87040	115725	0.98%	0.437%
45	6.239	822	823	825	rVB2	19151	11657	0.10%	0.044%
46	6.260	825	827	829	rBV2	32651	31099	0.26%	0.117%
47	6.298	829	834	837	rVB4	80161	82739	0.70%	0.312%
48	6.330	837	840	841	rBV3	19485	17110	0.14%	0.065%
49	6.356	841	845	848	rBV5	33217	39437	0.33%	0.149%
50	6.383	848	850	851	rBV2	10391	9462	0.08%	0.036%
51	6.421	853	857	862	rVB6	42578	70981	0.60%	0.268%
52	6.474	862	867	872	rBV8	90102	119199	1.01%	0.450%
53	6.511	872	874	876	rBV2	82548	50931	0.43%	0.192%
54	6.544	876	880	887	rBV6	114141	176091	1.49%	0.665%
55	6.602	887	891	893	rBV5	58382	73787	0.62%	0.279%
56	6.624	893	895	896	rVV2	20369	14579	0.12%	0.055%
57	6.640	896	898	899	rVV2	27695	17533	0.15%	0.066%
58	6.667	899	903	905	rVB4	80636	85823	0.72%	0.324%
59	6.688	905	907	910	rBV3	73733	62666	0.53%	0.237%
60	6.720	910	913	914	rBV3	36469	36654	0.31%	0.138%
61	6.741	914	917	924	rVB9	53464	85463	0.72%	0.323%
62	6.795	924	927	930	rBV5	37055	45710	0.39%	0.173%
63	6.822	930	932	934	rBV2	45178	35399	0.30%	0.134%
64	6.843	934	936	938	rVB2	43532	26071	0.22%	0.098%
65	6.870	938	941	944	rBV2	109802	75759	0.64%	0.286%
66	6.897	944	946	947	rBV2	30336	24038	0.20%	0.091%
67	6.939	950	954	957	rVB	170491	132909	1.12%	0.502%
68	7.004	961	966	968	rBV2	141645	128128	1.08%	0.484%
69	7.046	971	974	976	rVB4	30476	29930	0.25%	0.113%
70	7.100	980	984	986	rBV4	61986	72197	0.61%	0.273%
71	7.169	995	997	1000	rVB4	34830	26290	0.22%	0.099%
72	7.228	1005	1008	1011	rBV5	68480	55126	0.47%	0.208%
73	7.276	1015	1017	1020	rBV3	52296	51525	0.44%	0.195%
74	7.303	1020	1022	1024	rVB3	58511	37574	0.32%	0.142%
75	7.324	1024	1026	1029	rVB4	54568	48856	0.41%	0.184%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

76	7.357	1029	1032	1033	rBV2	41822	39527	0.33%	0.149%
77	7.373	1033	1035	1037	rVB2	59739	42102	0.36%	0.159%
78	7.394	1037	1039	1043	rVB5	76789	76637	0.65%	0.289%
79	7.426	1043	1045	1046	rVB2	19849	10403	0.09%	0.039%
80	7.453	1046	1050	1051	rBV3	115934	114581	0.97%	0.433%
81	7.469	1051	1053	1056	rVV	466900	352797	2.98%	1.332%
82	7.496	1056	1058	1061	rVB4	59957	48819	0.41%	0.184%
83	7.603	1075	1078	1080	rBV4	42098	51346	0.43%	0.194%
84	7.704	1094	1097	1101	rBV6	45417	58752	0.50%	0.222%
85	7.742	1101	1104	1109	rVB4	120113	145603	1.23%	0.550%
86	7.784	1109	1112	1114	rBV4	46706	40813	0.34%	0.154%
87	7.811	1115	1117	1120	rVV2	106865	79385	0.67%	0.300%
88	7.897	1130	1133	1136	rVB4	95313	87972	0.74%	0.332%
89	7.940	1136	1141	1143	rBV5	85523	111636	0.94%	0.421%
90	7.966	1143	1146	1148	rVV3	57533	55121	0.47%	0.208%
91	7.998	1148	1152	1154	rVV4	95959	109000	0.92%	0.412%
92	8.020	1154	1156	1159	rVB4	55896	55297	0.47%	0.209%
93	8.047	1159	1161	1163	rBV2	41408	32429	0.27%	0.122%
94	8.084	1166	1168	1169	rBV2	33385	23877	0.20%	0.090%
95	8.132	1174	1177	1179	rBV4	59204	67140	0.57%	0.253%
96	8.164	1180	1183	1187	rVV3	193816	210425	1.78%	0.794%
97	8.202	1187	1190	1192	rVV3	98744	101647	0.86%	0.384%
98	8.223	1192	1194	1197	rVB3	88313	66794	0.56%	0.252%
99	8.255	1197	1200	1204	rBV5	93369	145554	1.23%	0.550%
100	8.287	1204	1206	1209	rVB2	93807	83462	0.70%	0.315%
101	8.357	1216	1219	1222	rBV	123797	136348	1.15%	0.515%
102	8.458	1231	1238	1240	rBV7	97161	163852	1.38%	0.619%
103	8.490	1240	1244	1248	rBV5	99890	178944	1.51%	0.676%
104	8.656	1273	1275	1278	rBV4	41739	43668	0.37%	0.165%
105	8.704	1281	1284	1285	rBV3	53407	42021	0.35%	0.159%
106	8.843	1304	1310	1313	rBV2	412794	445546	3.76%	1.682%
107	8.972	1330	1334	1336	rBV2	122454	141540	1.20%	0.534%
108	8.993	1336	1338	1341	rVV3	107127	121941	1.03%	0.460%
109	9.020	1341	1343	1349	rVB7	68862	90692	0.77%	0.342%
110	9.191	1372	1375	1379	rVB5	54043	71907	0.61%	0.271%
111	9.229	1379	1382	1385	rBV5	76013	71154	0.60%	0.269%
112	9.277	1389	1391	1394	rBV3	48853	41874	0.35%	0.158%
113	9.389	1408	1412	1419	rVB4	95838	163144	1.38%	0.616%
114	9.459	1423	1425	1428	rBV3	57883	44022	0.37%	0.166%

LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On    : 11 Mar 2010  17:29
Operator  : AHD
Sample    : AC50199-003(3X)
Misc      : S,BNA:3
ALS Vial  : 22   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\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270
```

115	9.496	1429	1432	1433	rBV2	92802	102525	0.87%	0.387%
116	9.598	1449	1451	1453	rBV2	48519	40245	0.34%	0.152%
117	9.635	1455	1458	1463	rVB2	194294	222738	1.88%	0.841%
118	9.705	1468	1471	1473	rBV2	160726	171651	1.45%	0.648%
119	9.726	1473	1475	1480	rVB2	138941	170246	1.44%	0.643%
120	9.790	1485	1487	1489	rBV2	51325	46112	0.39%	0.174%
121	9.822	1489	1493	1496	rVV4	125965	173504	1.47%	0.655%
122	9.849	1496	1498	1501	rVV2	119806	98106	0.83%	0.370%
123	9.881	1501	1504	1507	rVV	102683	108129	0.91%	0.408%
124	9.999	1522	1526	1529	rBV	313278	399033	3.37%	1.507%
125	10.026	1529	1531	1536	rVB3	200151	213983	1.81%	0.808%
126	10.090	1540	1543	1547	rVB2	102006	130713	1.10%	0.494%
127	10.138	1548	1552	1555	rBV	177096	189346	1.60%	0.715%
128	10.197	1560	1563	1566	rBV4	75029	93941	0.79%	0.355%
129	10.234	1567	1570	1574	rVB3	171667	214705	1.81%	0.811%
130	10.357	1590	1593	1597	rBV2	91837	154376	1.30%	0.583%
131	10.389	1597	1599	1601	rVV4	131772	118897	1.00%	0.449%
132	10.416	1601	1604	1611	rVV2	217352	301289	2.54%	1.138%
133	10.475	1611	1615	1619	rVB	230314	289373	2.44%	1.093%
134	10.518	1619	1623	1627	rBV	280857	358221	3.02%	1.353%
135	10.576	1631	1634	1636	rBV2	84476	85970	0.73%	0.325%
136	10.619	1640	1642	1651	rVB2	237532	355111	3.00%	1.341%
137	10.689	1652	1655	1658	rBV5	114996	127469	1.08%	0.481%
138	10.812	1674	1678	1684	rVB5	144689	257848	2.18%	0.974%
139	10.935	1698	1701	1704	rBV	100847	122936	1.04%	0.464%
140	11.036	1717	1720	1724	rBV2	152114	155163	1.31%	0.586%
141	11.074	1724	1727	1729	rBV2	62302	69024	0.58%	0.261%
142	11.095	1729	1731	1734	rVB2	78073	58211	0.49%	0.220%
143	11.133	1734	1738	1739	rBV3	124621	142087	1.20%	0.536%
144	11.395	1784	1787	1790	rBV4	76079	99471	0.84%	0.376%
145	11.491	1803	1805	1808	rVB2	73348	66502	0.56%	0.251%
146	11.534	1810	1813	1816	rBV2	105625	125281	1.06%	0.473%
147	11.561	1816	1818	1823	rVB2	91988	80512	0.68%	0.304%
148	11.839	1865	1870	1874	rBV2	314313	432253	3.65%	1.632%
149	11.871	1874	1876	1881	rVB2	122334	106617	0.90%	0.403%
150	12.320	1958	1960	1963	rVB2	130874	109070	0.92%	0.412%
151	12.358	1965	1967	1970	rVB	102762	77563	0.65%	0.293%
152	12.432	1979	1981	1983	rVB2	70951	48071	0.41%	0.181%
153	12.727	2034	2036	2040	rBV5	71809	88772	0.75%	0.335%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

154	12.785	2045	2047	2050	rBV2	73519	59797	0.50%	0.226%
155	12.823	2052	2054	2058	rVB3	92651	95686	0.81%	0.361%
156	13.443	2166	2170	2176	rVB2	309963	376957	3.18%	1.423%
157	13.978	2267	2270	2275	rVB5	166114	204156	1.72%	0.771%
158	14.262	2320	2323	2326	rVB2	142427	146985	1.24%	0.555%

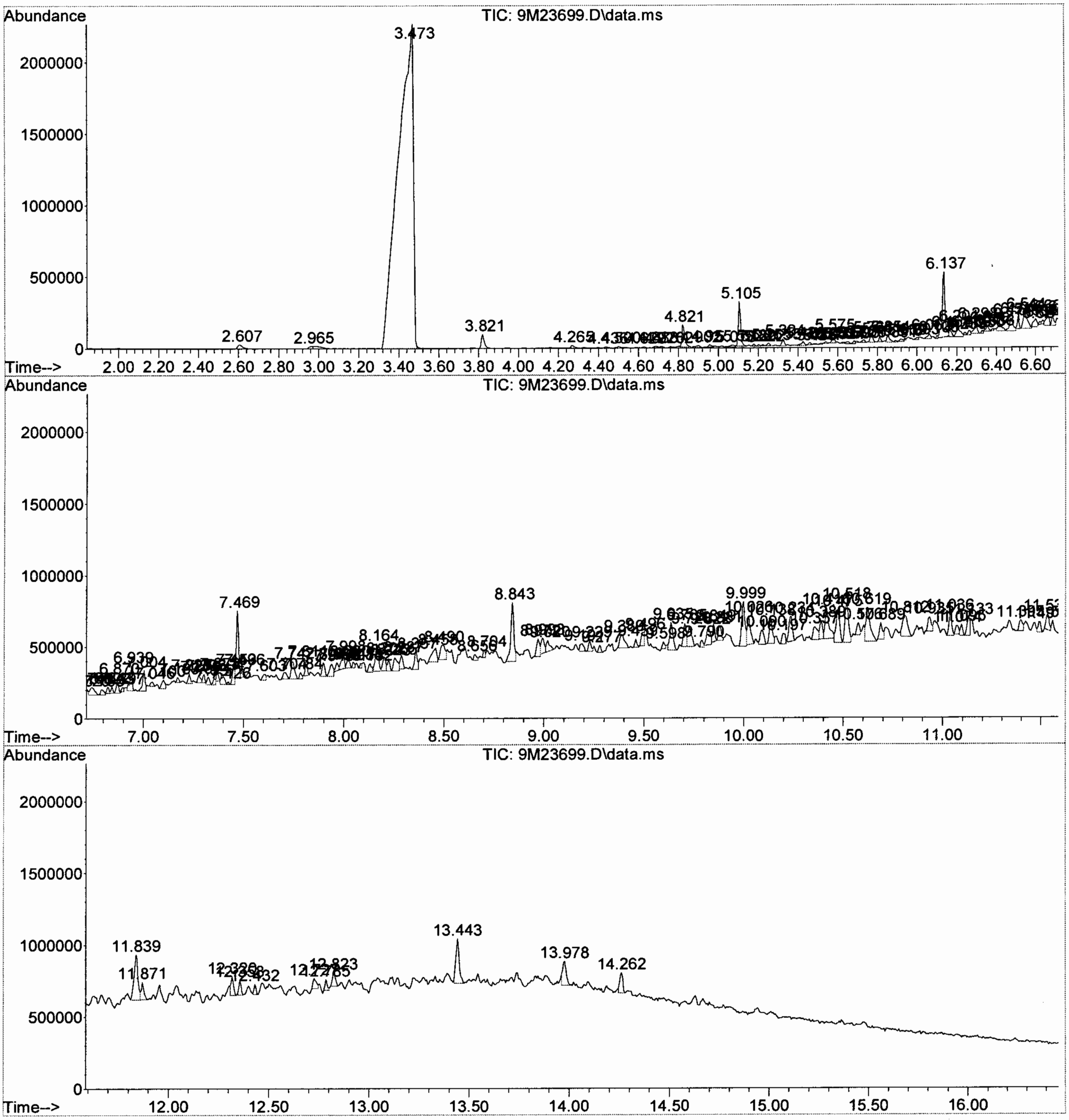
Sum of corrected areas: 26485543

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

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Data File : 9M23699.D
Acq On    : 11 Mar 2010  17:29
Operator  : AHD
Sample    : AC50199-003(3X)
Misc      : S,BNA:3
ALS Vial  : 22   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,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
```
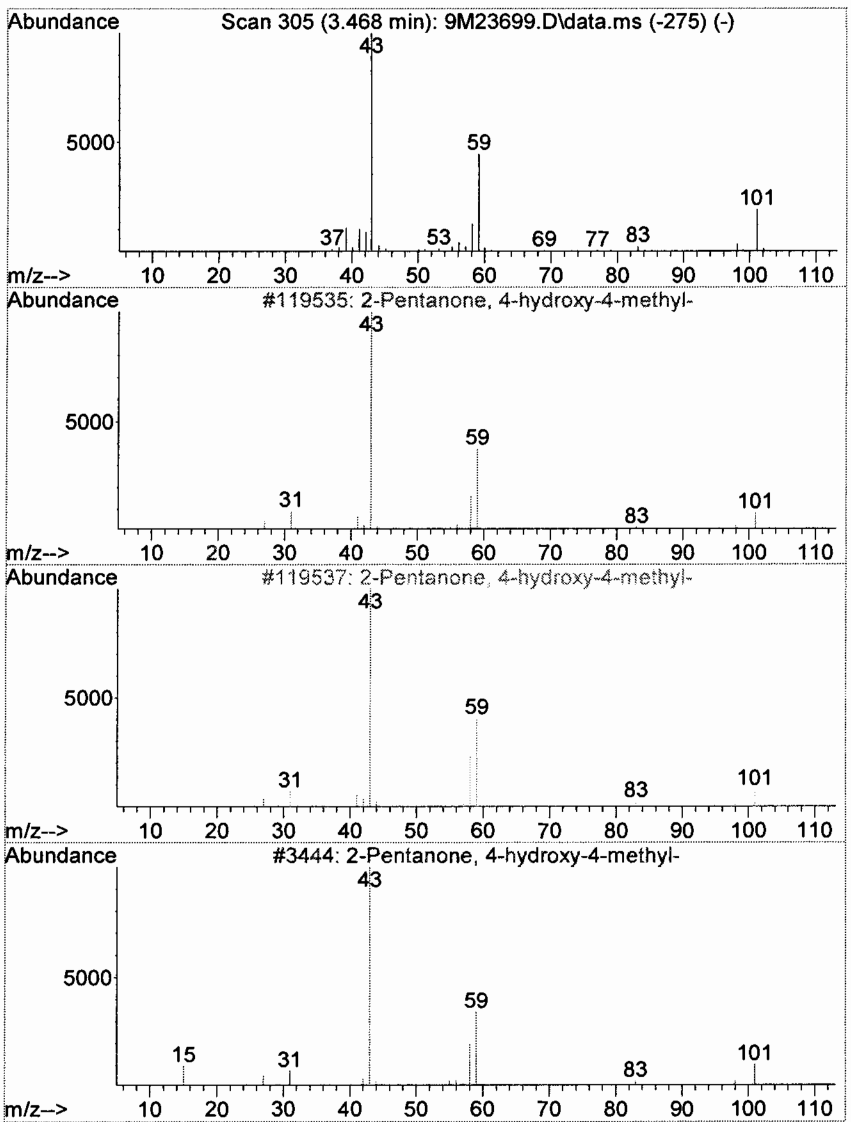
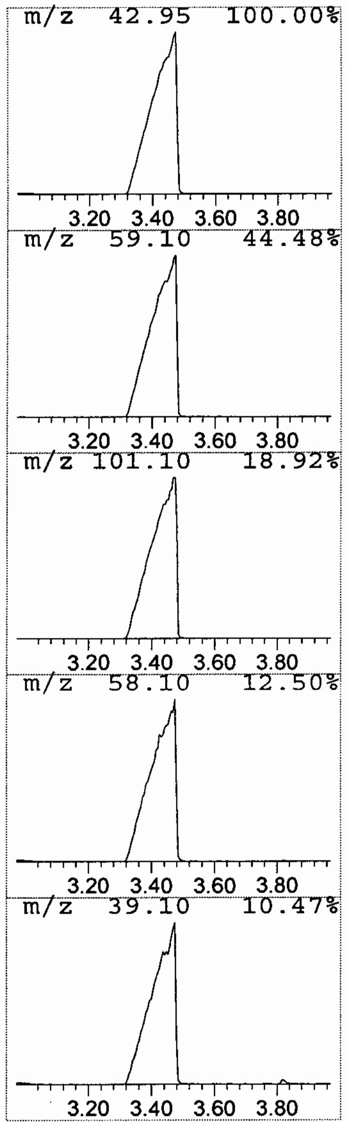

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	1929.04 ng	11842042	LibIS-1,4-Dichlorobenzene-d4	5.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38





Library Search Compound Report

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Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

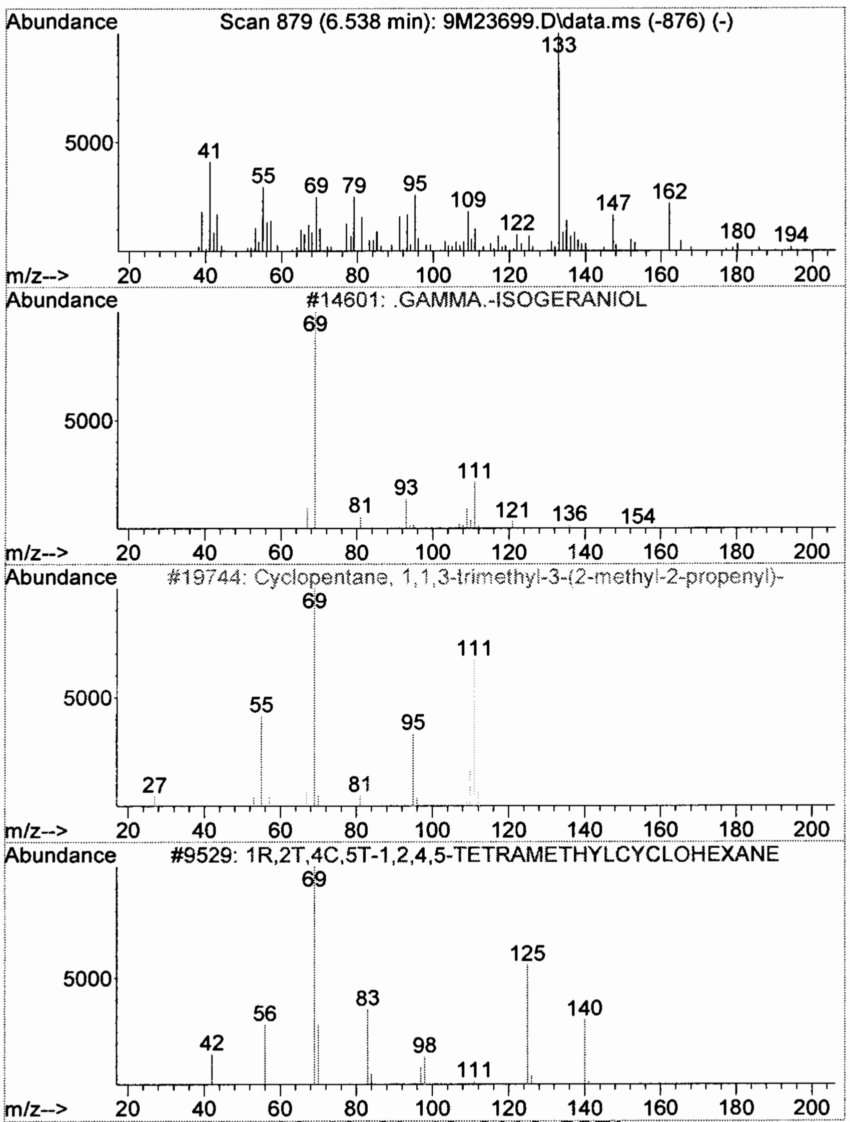
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

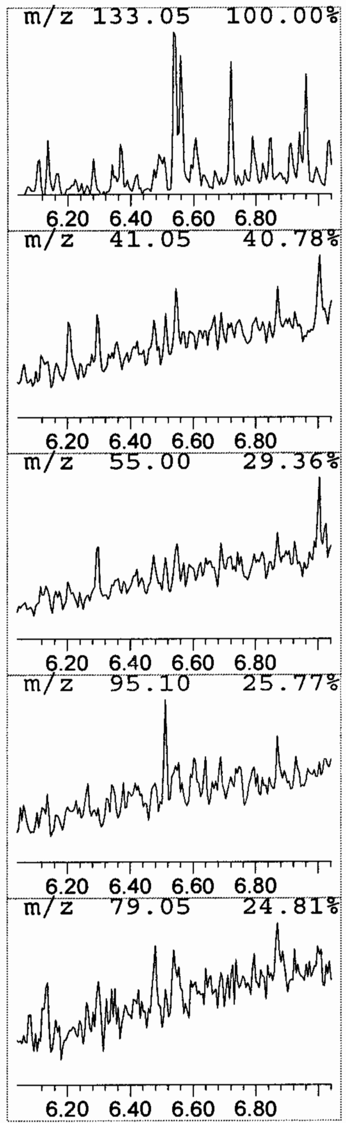
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	23.44 ng	176091	LibIS-Naphthalene-d8	6.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.GAMMA.-ISOGERANIOL	154	C10H18O	013066-51-8	43
2	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	43
3	1R,2T,4C,5T-1,2,4,5-TETRAMETHYLC...	140	C10H20	019899-41-3	41
4	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	38
5	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	38





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

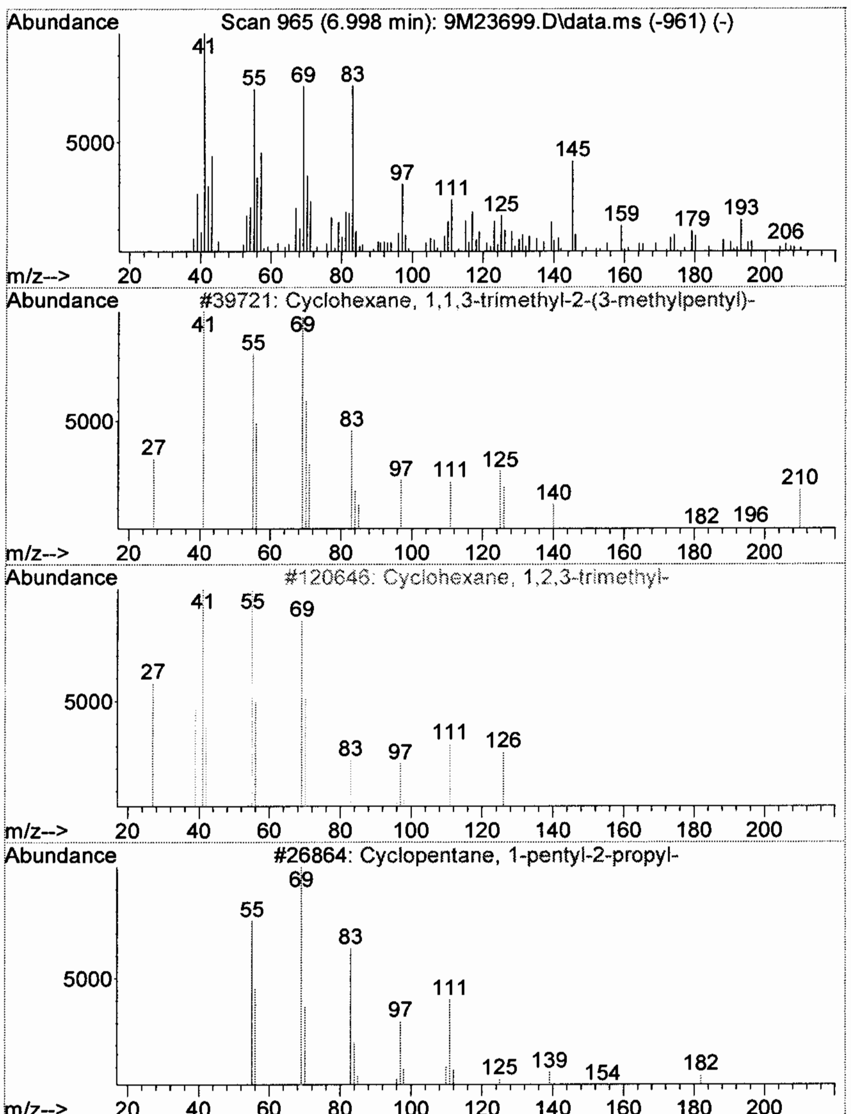
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

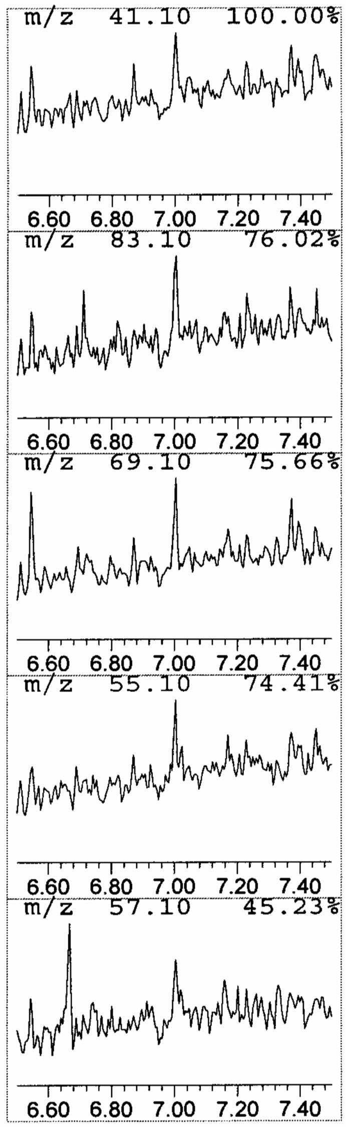
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,3-trimethy... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	16.56 ng	128128	LibIS-Acenaphthene-d10	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-2-(...	210	C15H30	054965-05-8	86
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	76
3	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	64
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	59
5	Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	59





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On    : 11 Mar 2010  17:29
Operator  : AHD
Sample    : AC50199-003(3X)
Misc      : S,BNA:3
ALS Vial  : 22   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

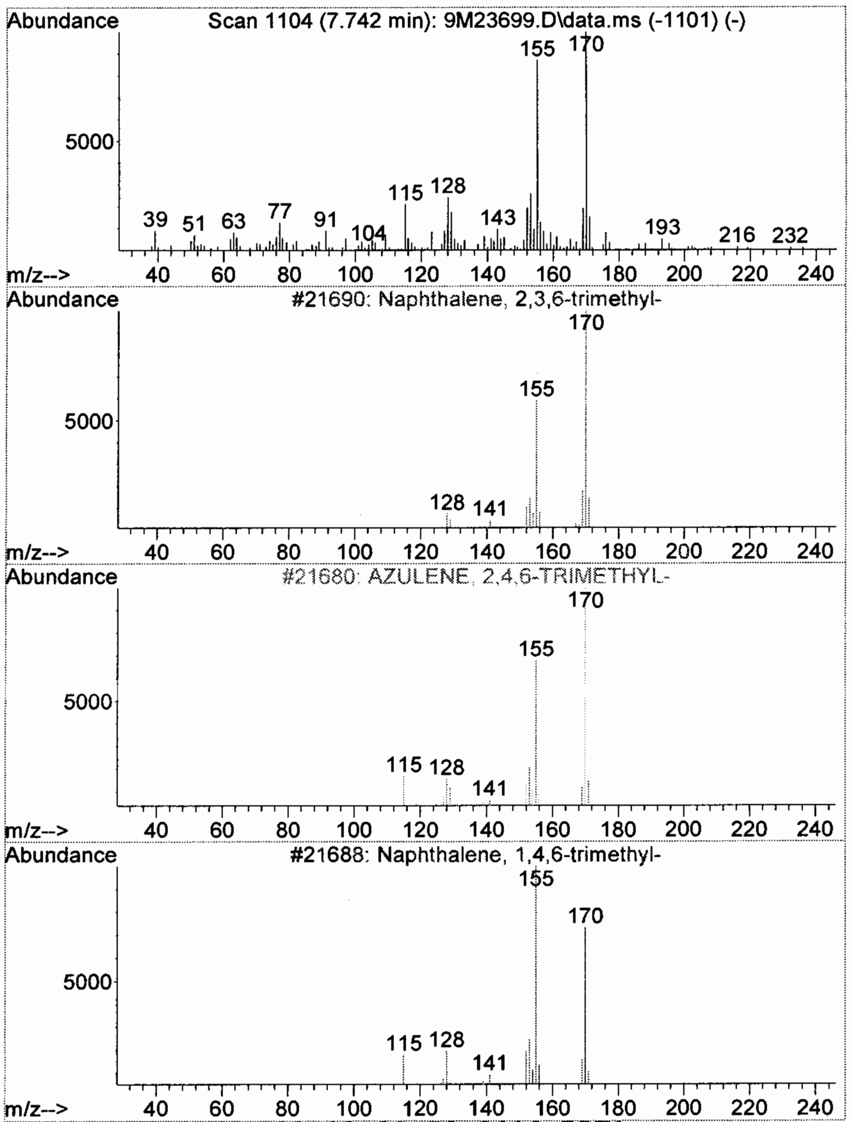
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

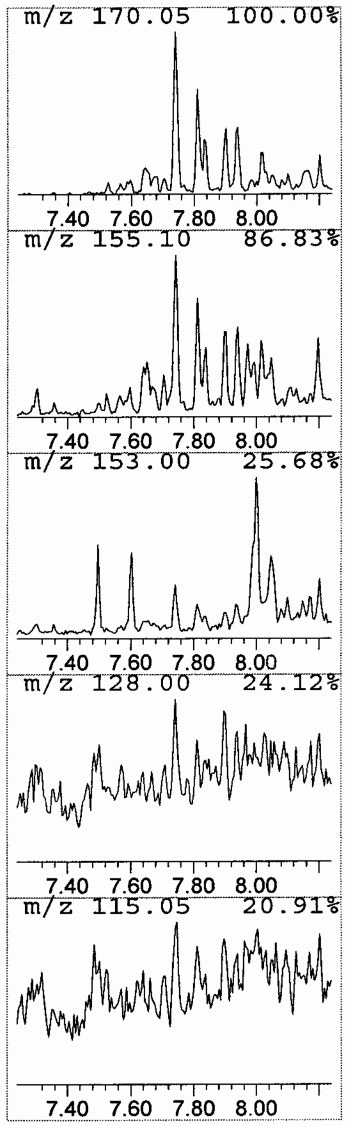
****

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	18.82 ng	145603	LibIS-Acenaphthene-d10	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

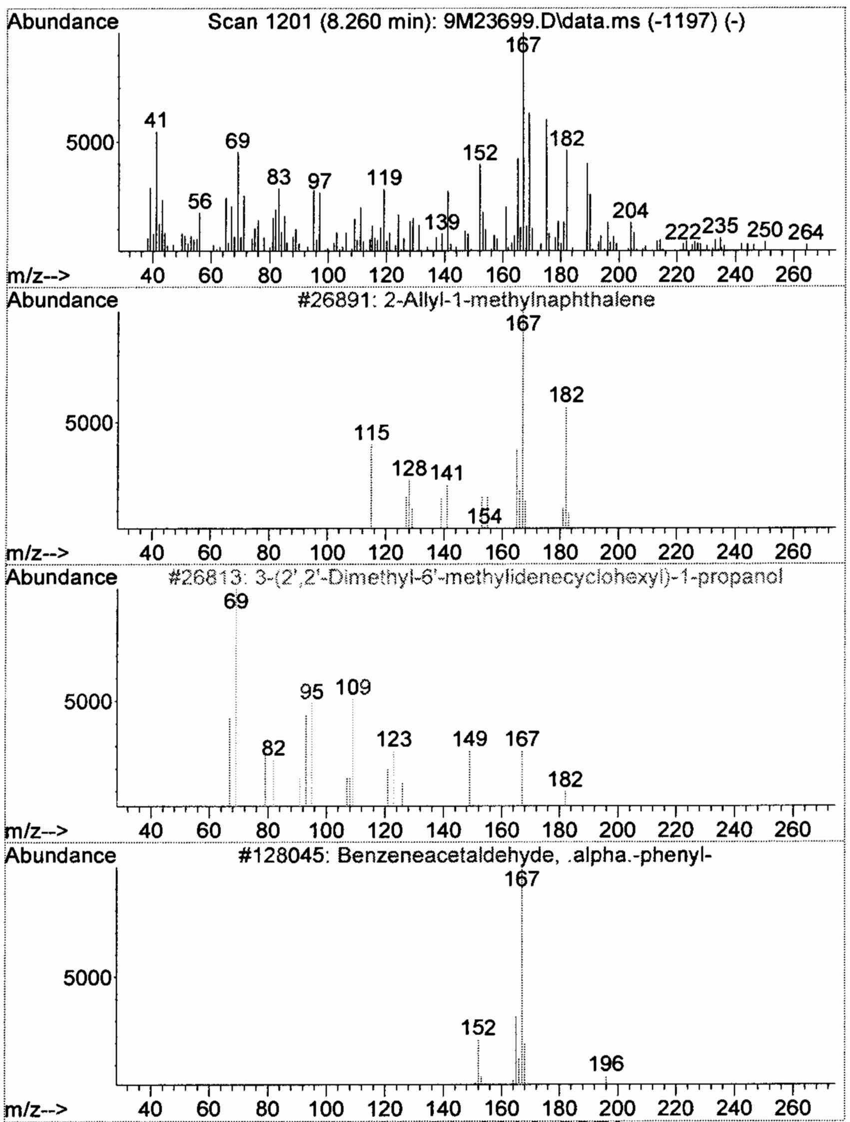
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

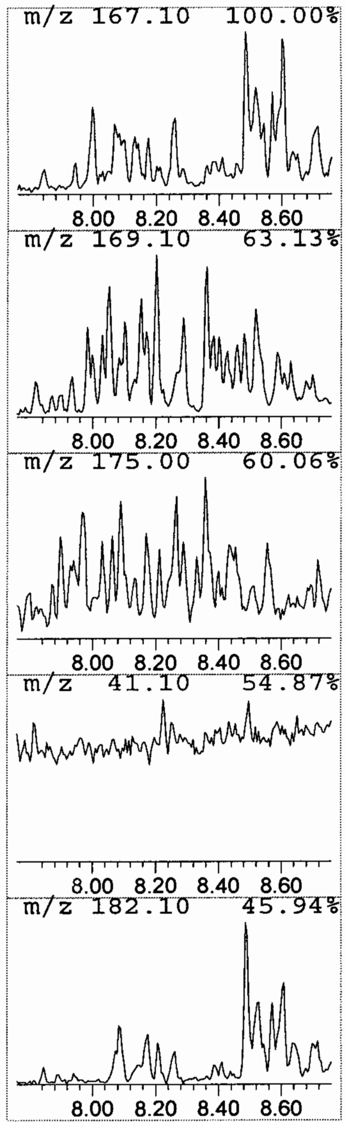
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Allyl-1-methylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	17.04 ng	145554	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Allyl-1-methylnaphthalene	182	C14H14	069258-18-0	58
2	3-(2',2'-Dimethyl-6'-methylidene...	182	C12H22O	095452-04-3	45
3	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	43
4	1,1'-Biphenyl, 2,2'-dimethyl-	182	C14H14	000605-39-0	42
5	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	42





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

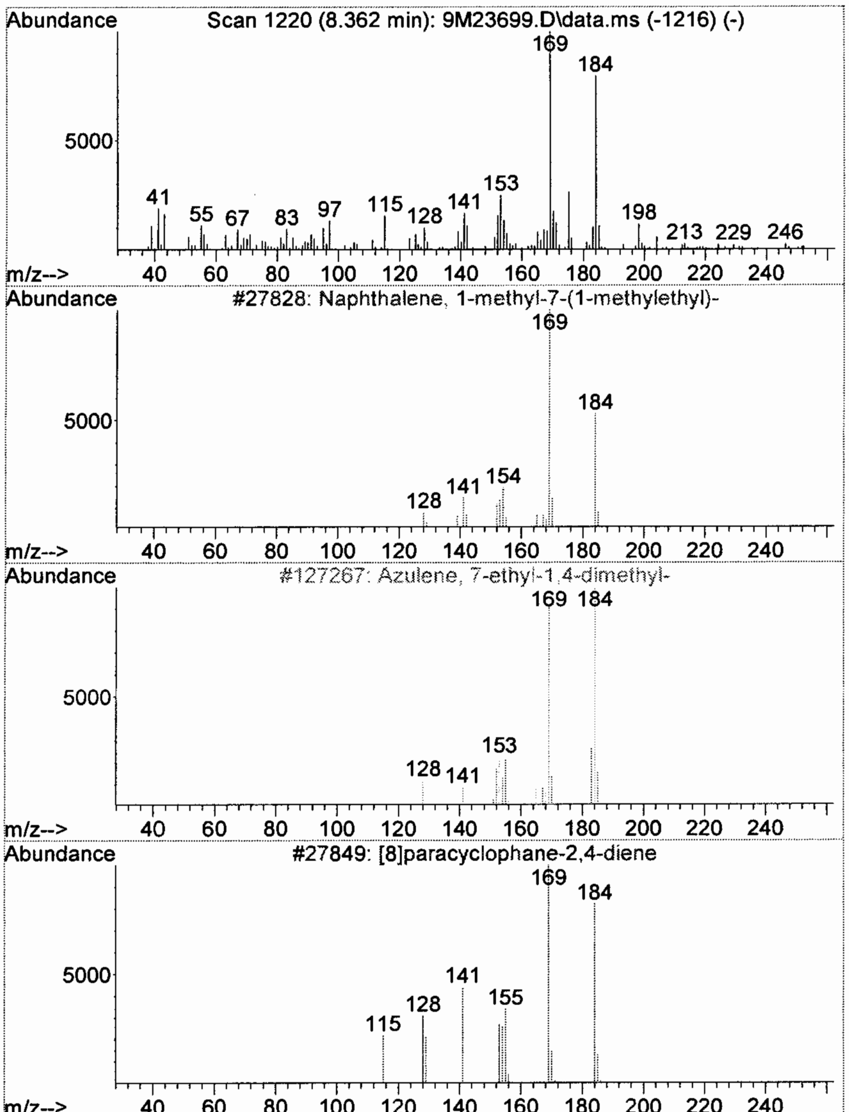
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

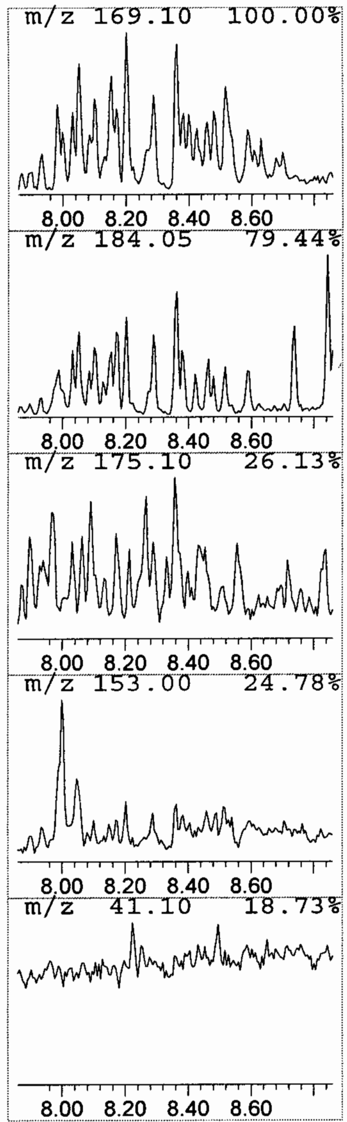
****

Peak Number 6 Naphthalene, 1-methyl-7-(1-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	15.97 ng	136348	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	86
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	68
3	[8]paracyclophane-2,4-diene	184	C14H16	089507-22-2	53
4	2-Isopropyl-1-methylnaphthalene	184	C14H16	061994-26-1	50
5	1-Isopropyl-2-methylnaphthalene	184	C14H16	032114-79-7	50





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

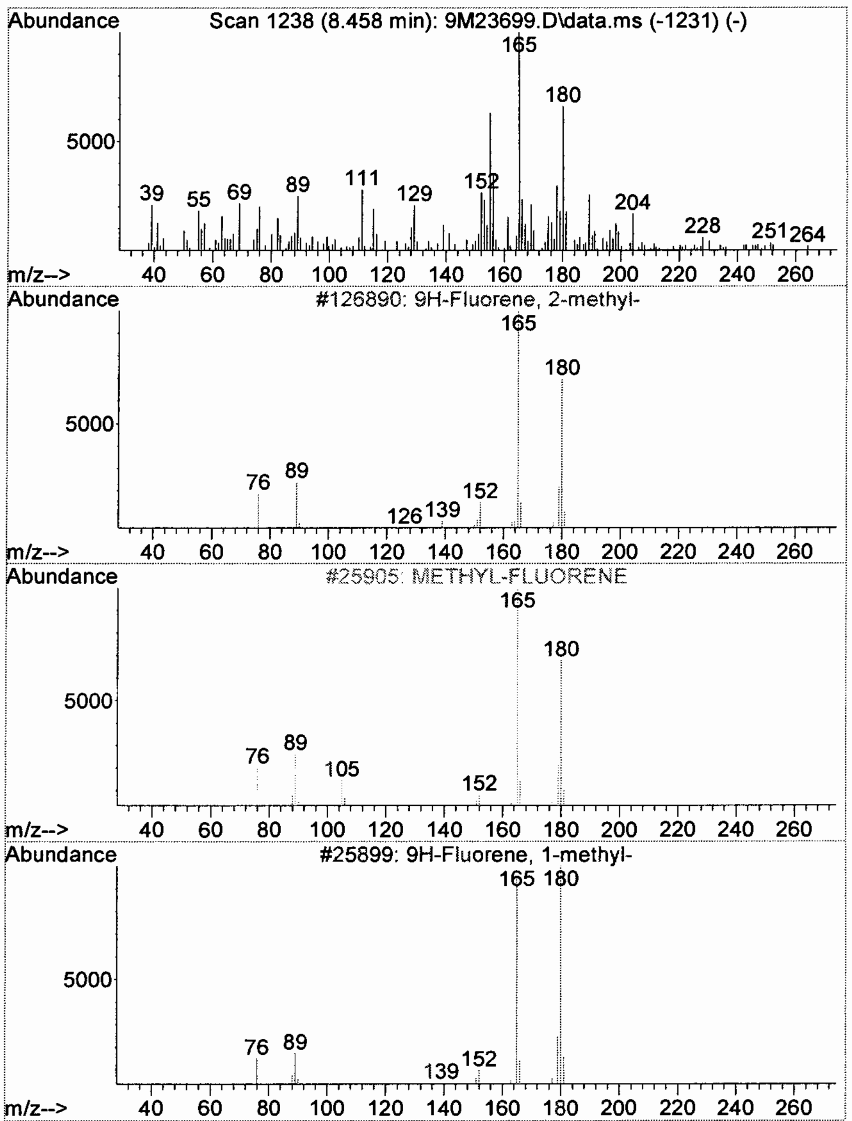
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

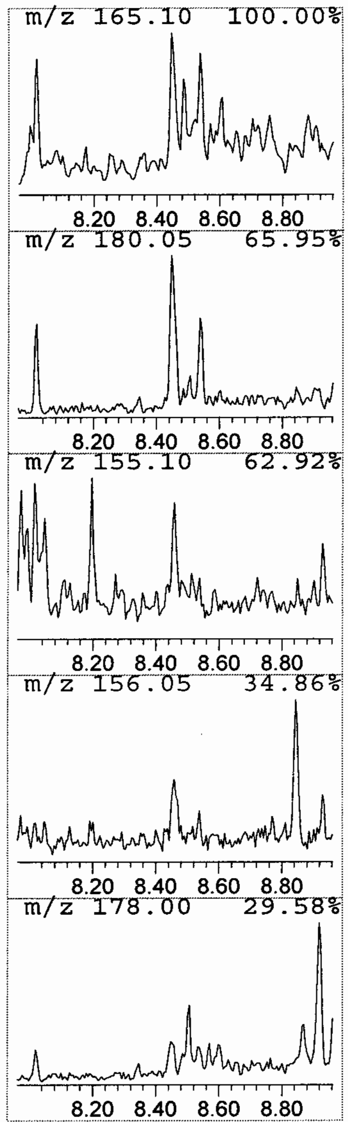
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	19.19 ng	163852	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	METHYL-FLUORENE	180	C14H12	000000-00-0	60
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	46
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	41





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 8 1,1'-Biphenyl, 4,4'-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	20.95 ng	178944	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dimethyl-	182	C14H14	000613-33-2	90
2	1,1'-Biphenyl, 4,4'-dimethyl-	182	C14H14	000613-33-2	87
3	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	83
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	80
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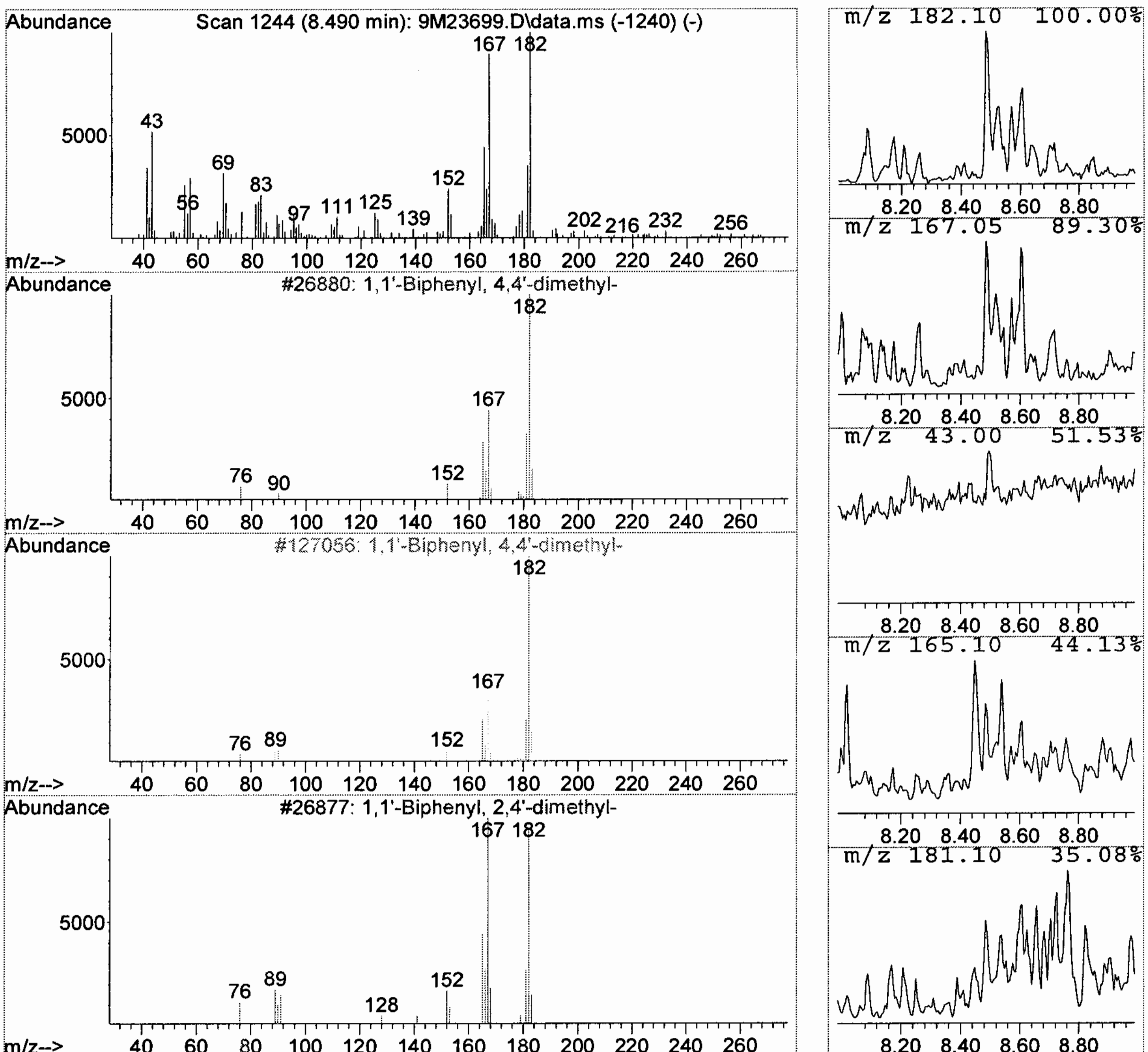


Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

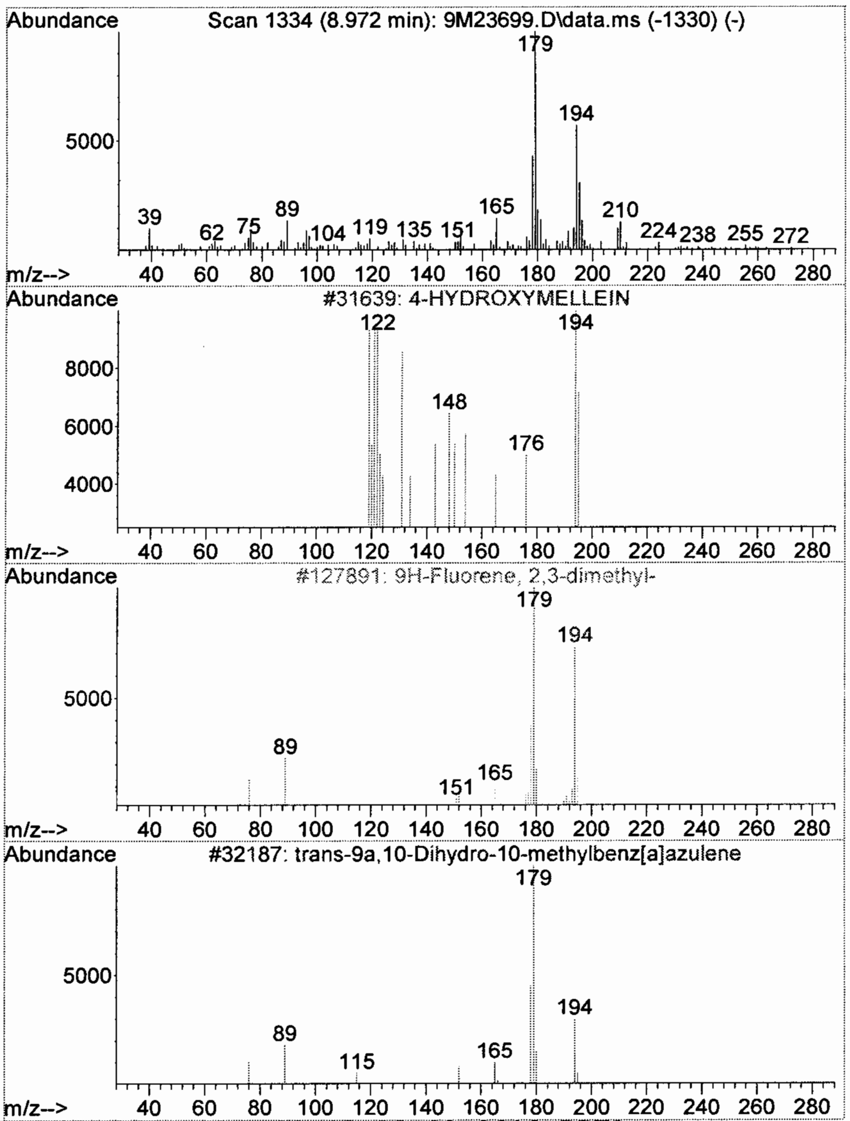
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

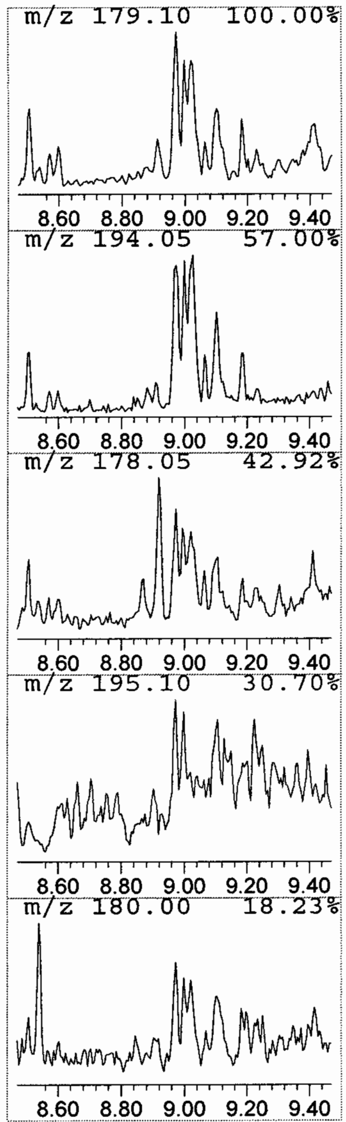
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4-HYDROXYMELLEIN Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	16.57 ng	141540	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-HYDROXYMELLEIN	194	C10H10O4	033788-22-6	90
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	70
3	trans-9a,10-Dihydro-10-methylben...	194	C15H14	069139-17-9	59
4	9,10-DIHYDRO-2-METHYL-ANTHRACENE	194	C15H14	000000-00-0	55
5	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	55





Library Search Compound Report

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Data File : 9M23699.D
Acq On    : 11 Mar 2010  17:29
Operator  : AHD
Sample    : AC50199-003(3X)
Misc      : S,BNA:3
ALS Vial  : 22   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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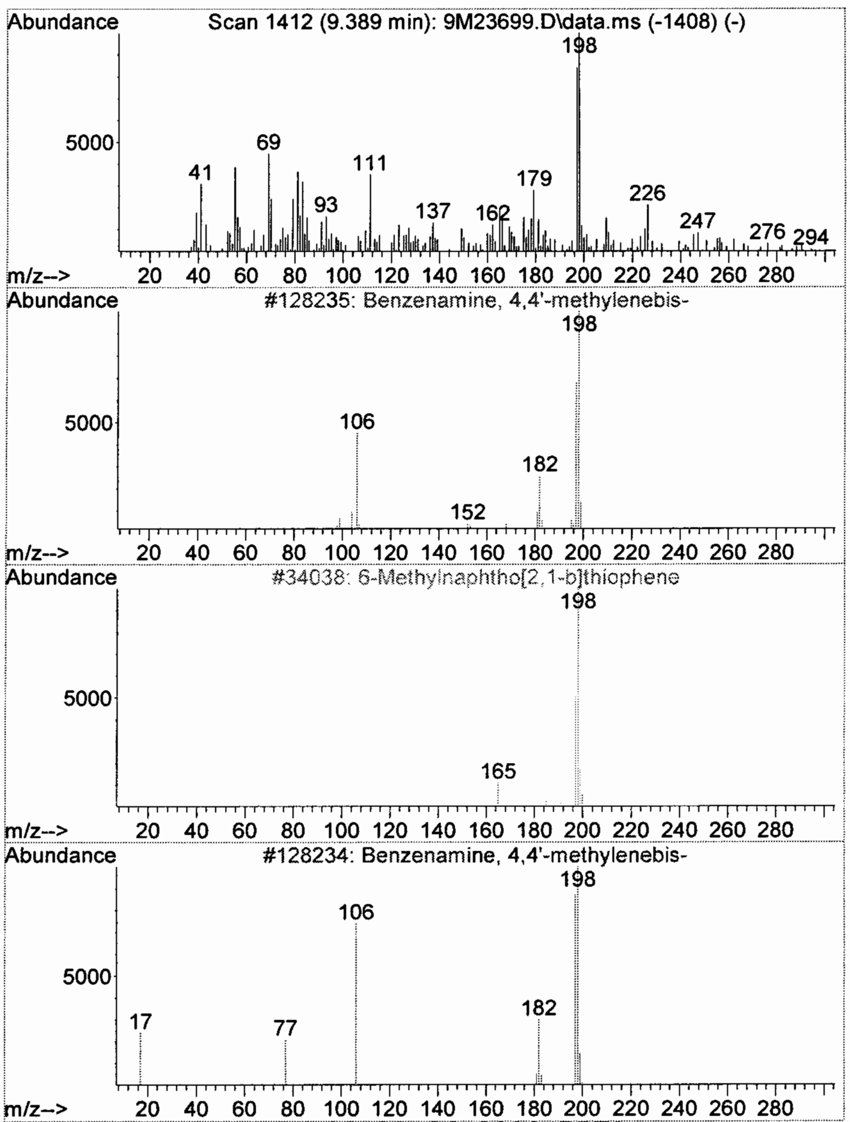
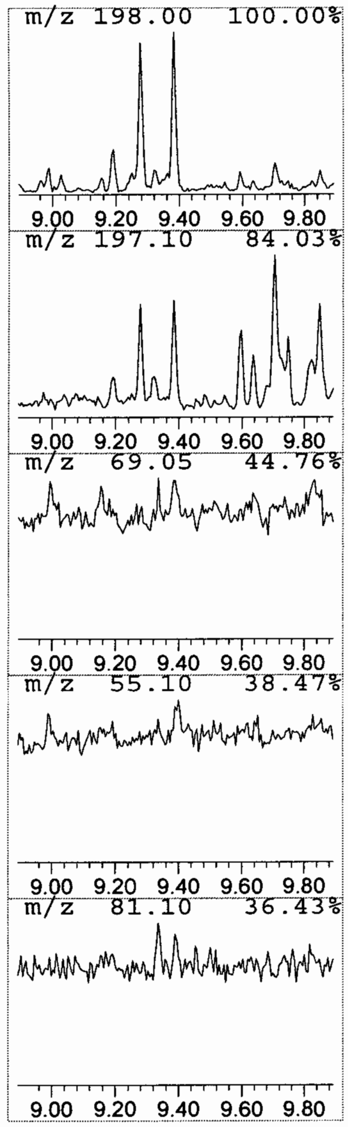
****

Peak Number 10 Benzenamine, 4,4'-methylene... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	19.10 ng	163144	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	60
2	6-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-37-7	58
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	47
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	41
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	38





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

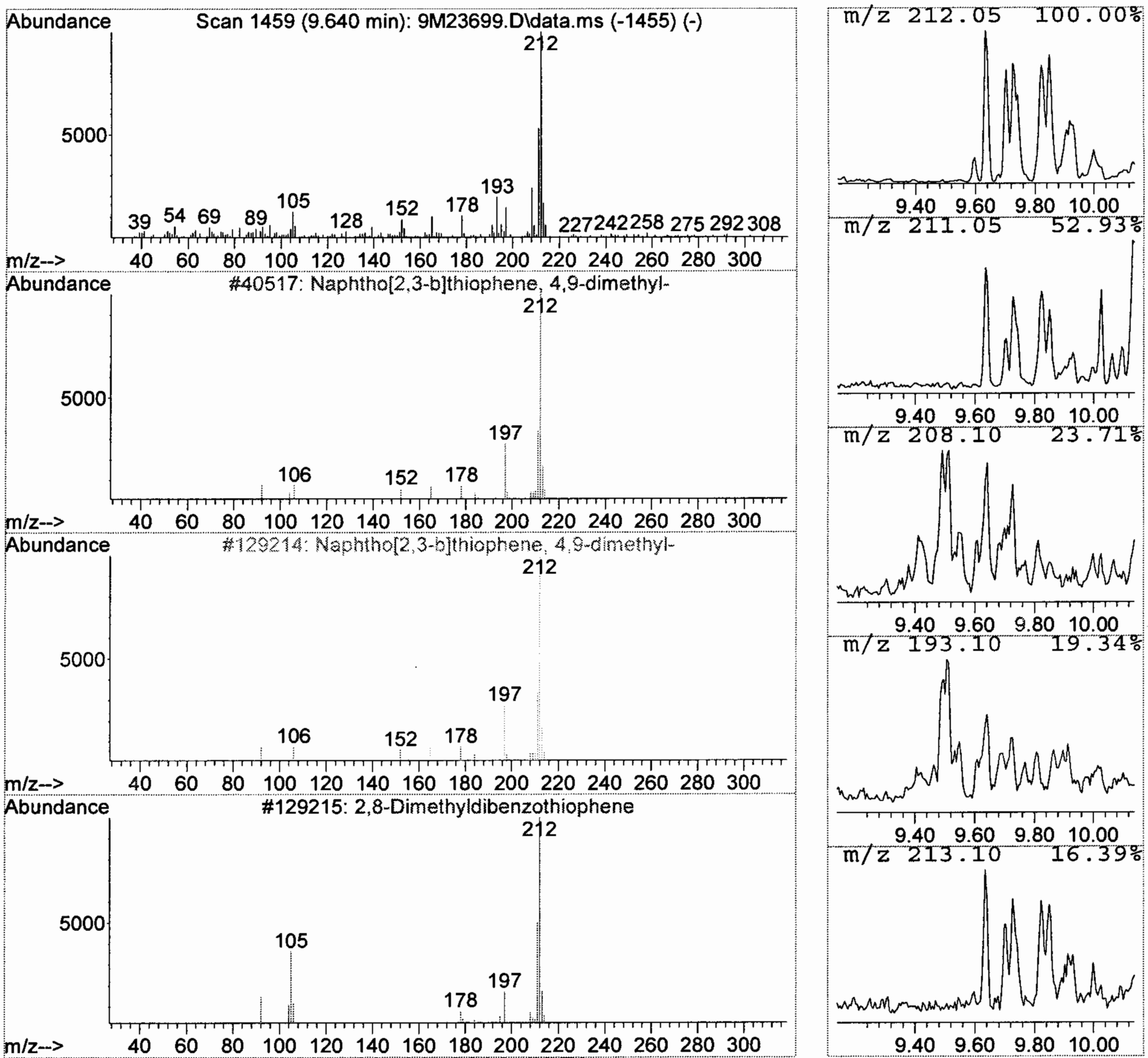
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 11 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	26.08 ng	222738	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	89
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	89
3	2,8-Dimethyldibenzothiophene	212	C14H12S	001207-15-4	87
4	1,6-Dimethyldibenzothiophene	212	C14H12S	089816-70-6	83
5	3,6-Dimethyldibenzothiophene	212	C14H12S	031613-04-4	83



Library Search Compound Report

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Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

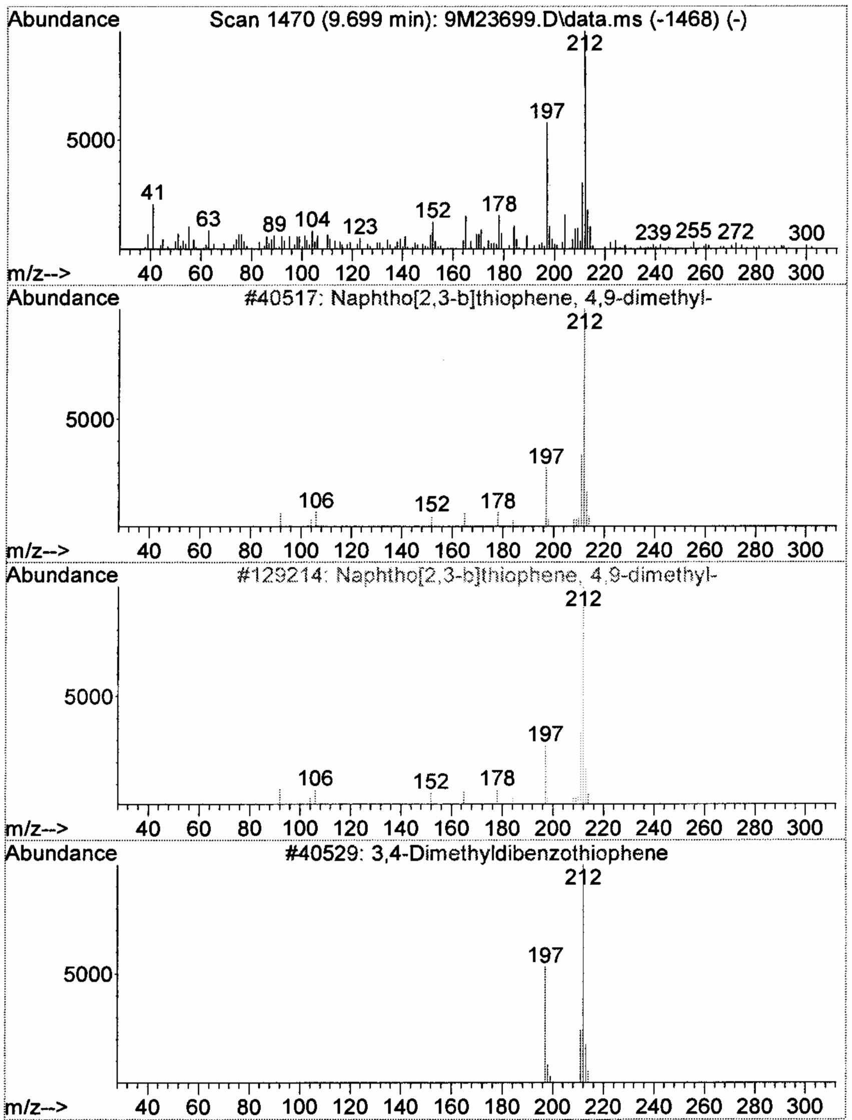
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

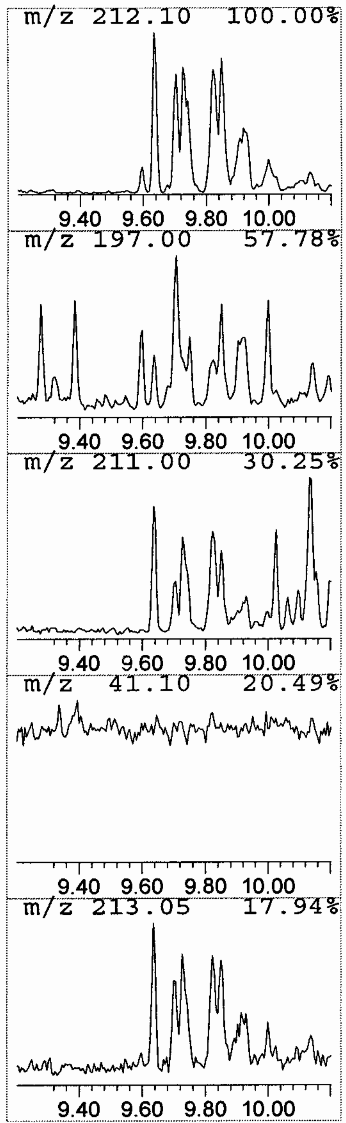
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	20.10 ng	171651	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	78
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	78
3	3,4-Dimethyldibenzothiophene	212	C14H12S	023654-30-0	64
4	1,2-Dimethyldibenzothiophene	212	C14H12S	031317-14-3	52
5	2,3-Dimethyldibenzothiophene	212	C14H12S	031317-17-6	52





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ALS Vial : 22 Sample Multiplier: 1

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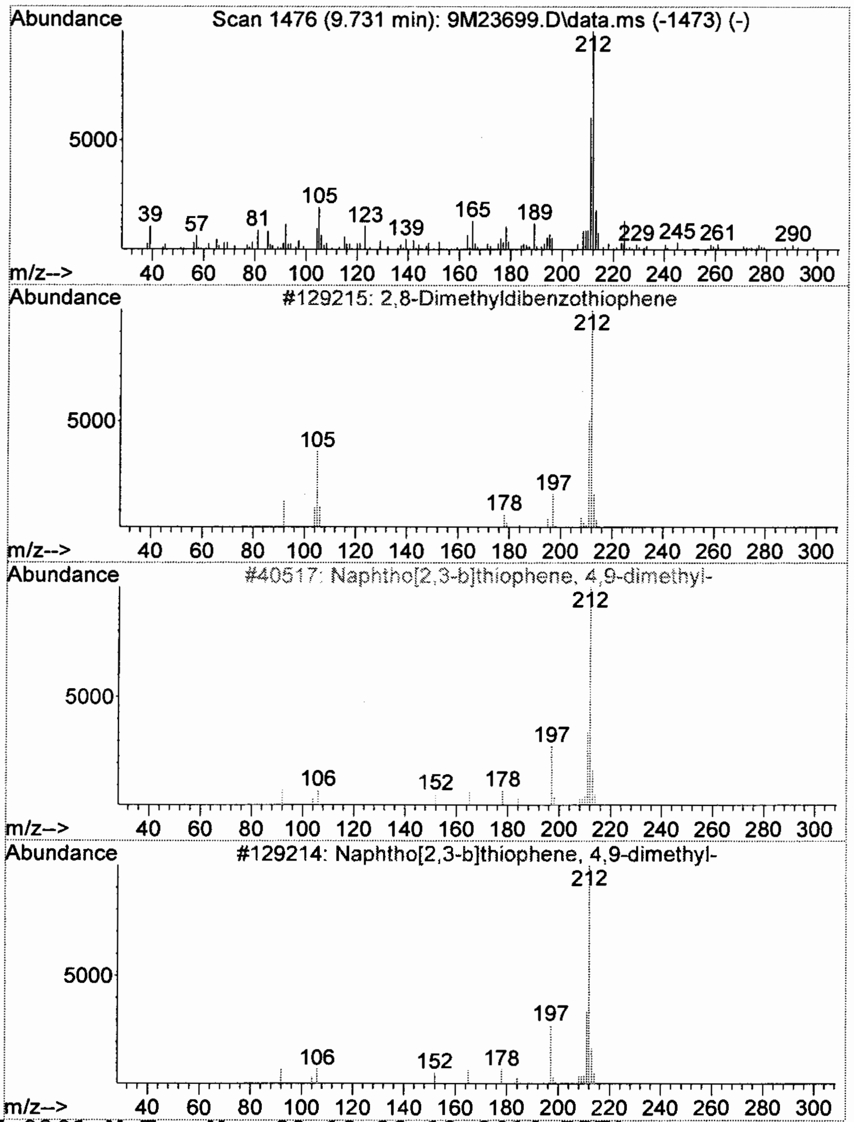
Quant Title : @GCMS_9,mg,625,8270

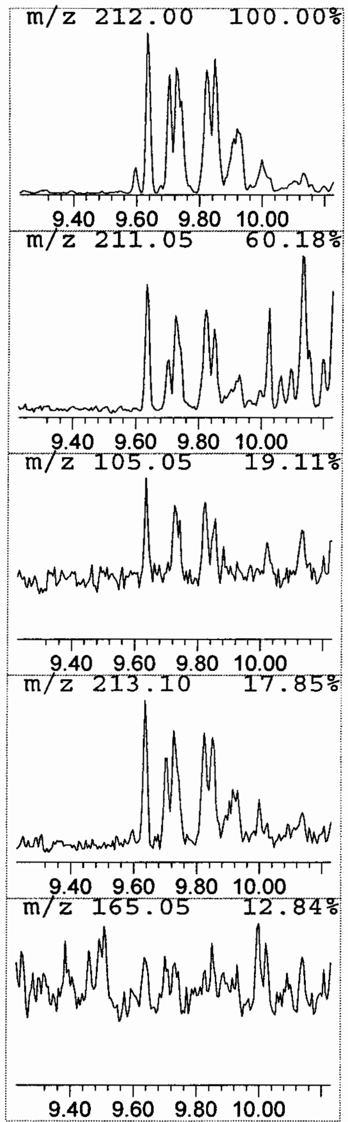
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2,8-Dimethyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	19.94 ng	170246	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzothiophene	212	C14H12S	001207-15-4	72
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	58
3	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	58
4	Fluoranthene, 1,2,3,6b,7,8,9,10,...	212	C16H20	092082-63-8	55
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	47





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ALS Vial : 22 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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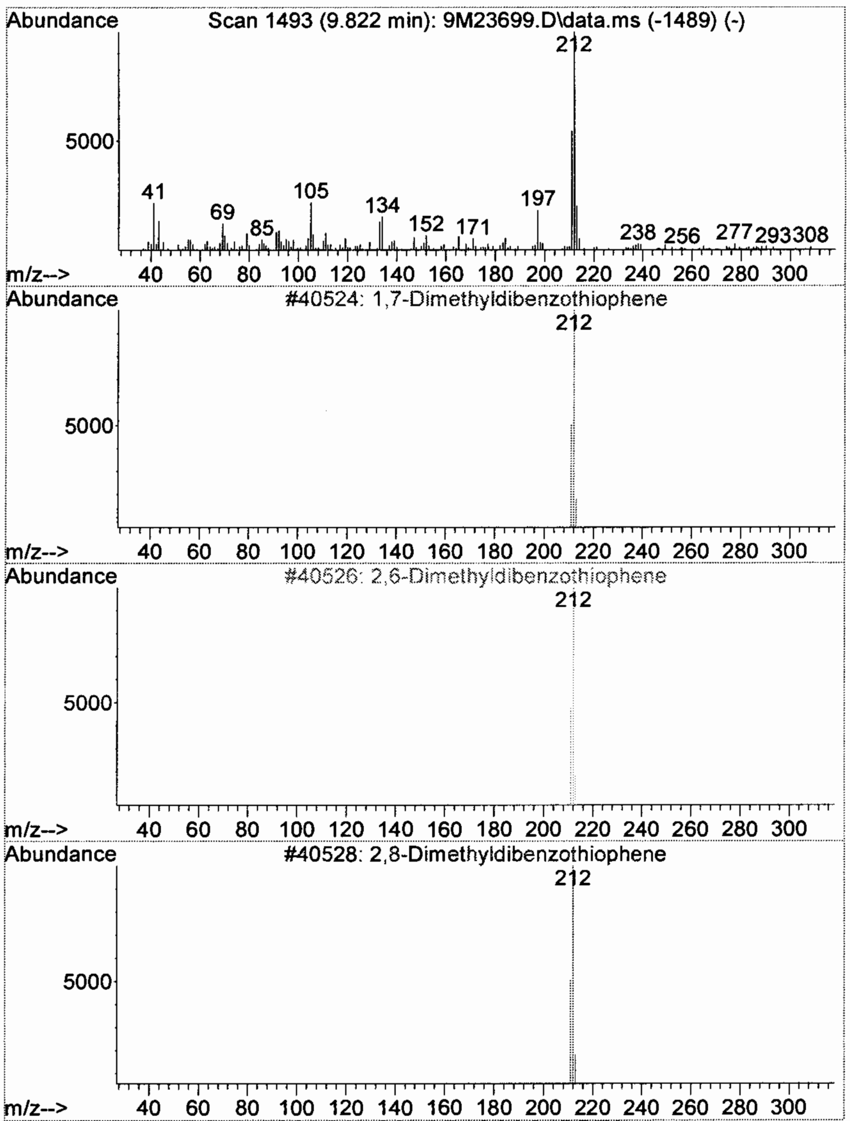
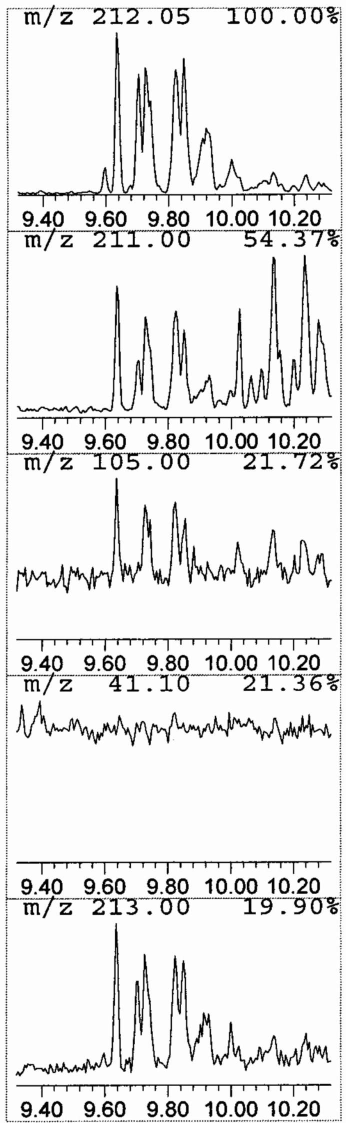
Peak Number 14 1,7-Dimethyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	20.32 ng	173504	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyldibenzothiophene	212	$C_{14}H_{12}S$	089816-53-5	83
2	2,6-Dimethyldibenzothiophene	212	$C_{14}H_{12}S$	089816-75-1	83
3	2,8-Dimethyldibenzothiophene	212	$C_{14}H_{12}S$	001207-15-4	83
4	1,6-Dimethyldibenzothiophene	212	$C_{14}H_{12}S$	089816-70-6	83
5	4,6-Dimethyldibenzothiophene	212	$C_{14}H_{12}S$	001207-12-1	83





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ALS Vial : 22 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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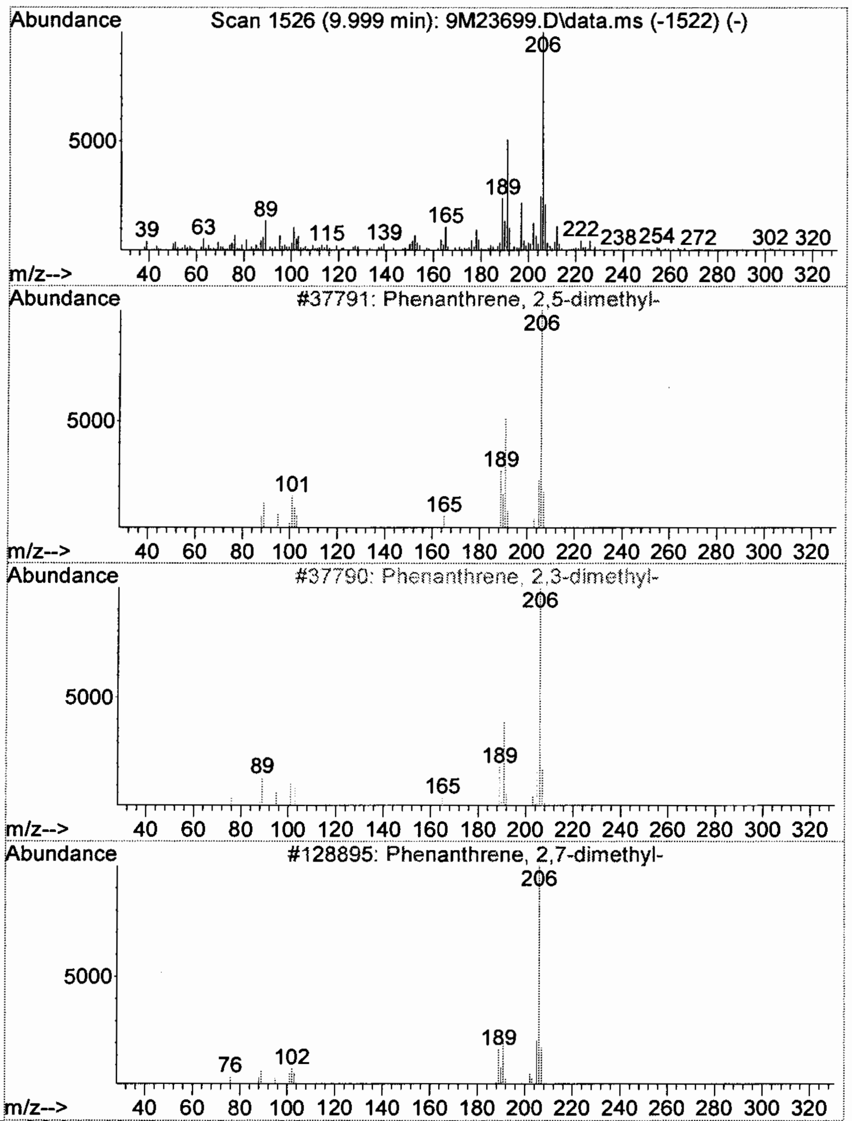
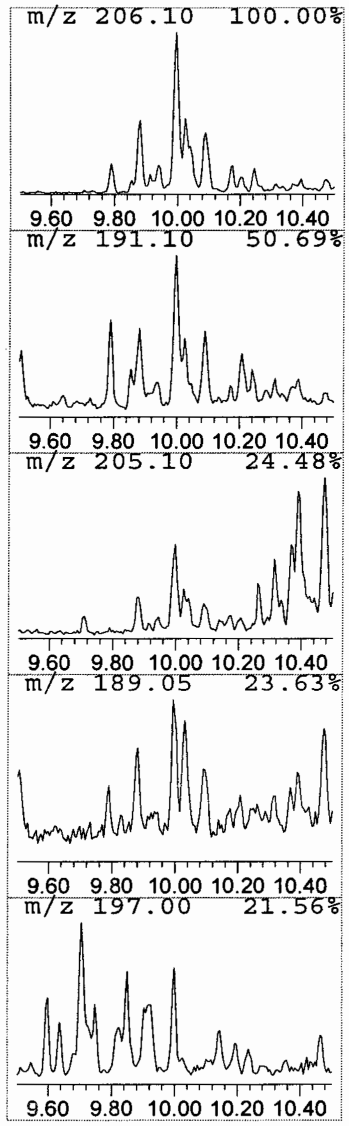
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	46.73 ng	399033	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	92
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
5	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	90





Library Search Compound Report

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Misc      : S,BNA:3
ALS Vial  : 22   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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Peak Number 16   Phenanthrene, 3,6-dimethyl-   Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	25.06 ng	213983	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35
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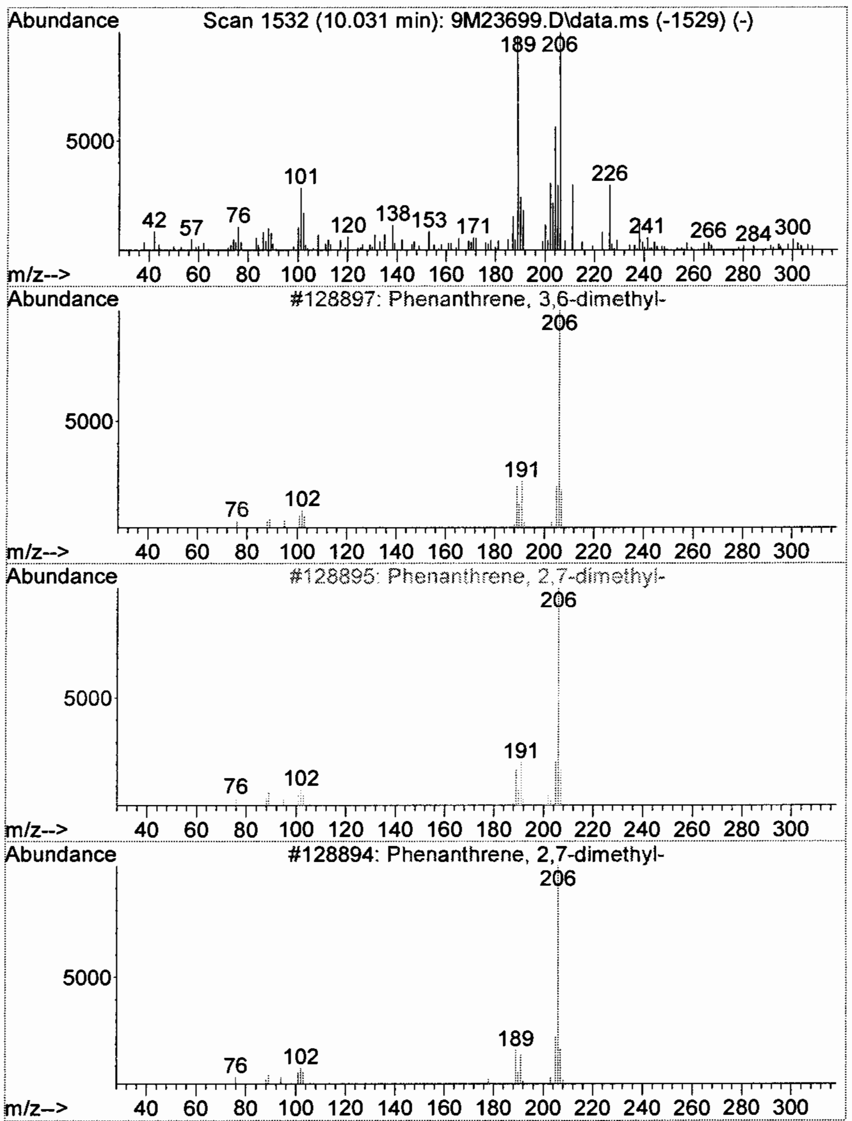

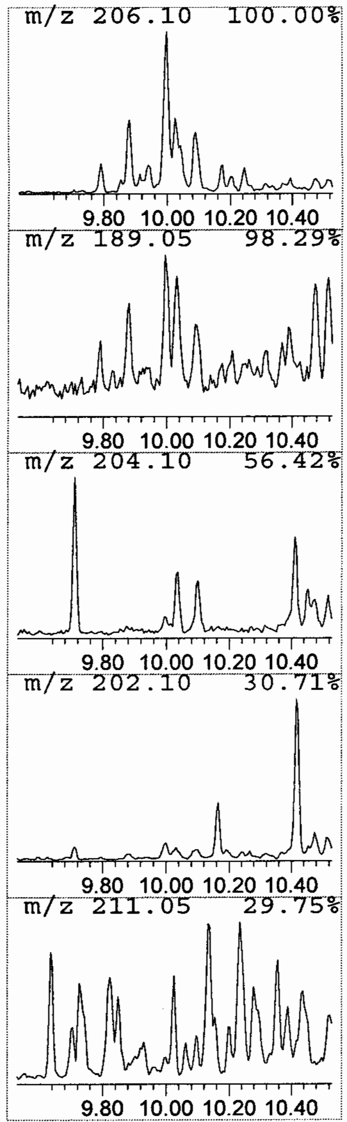

Library Search Compound Report

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Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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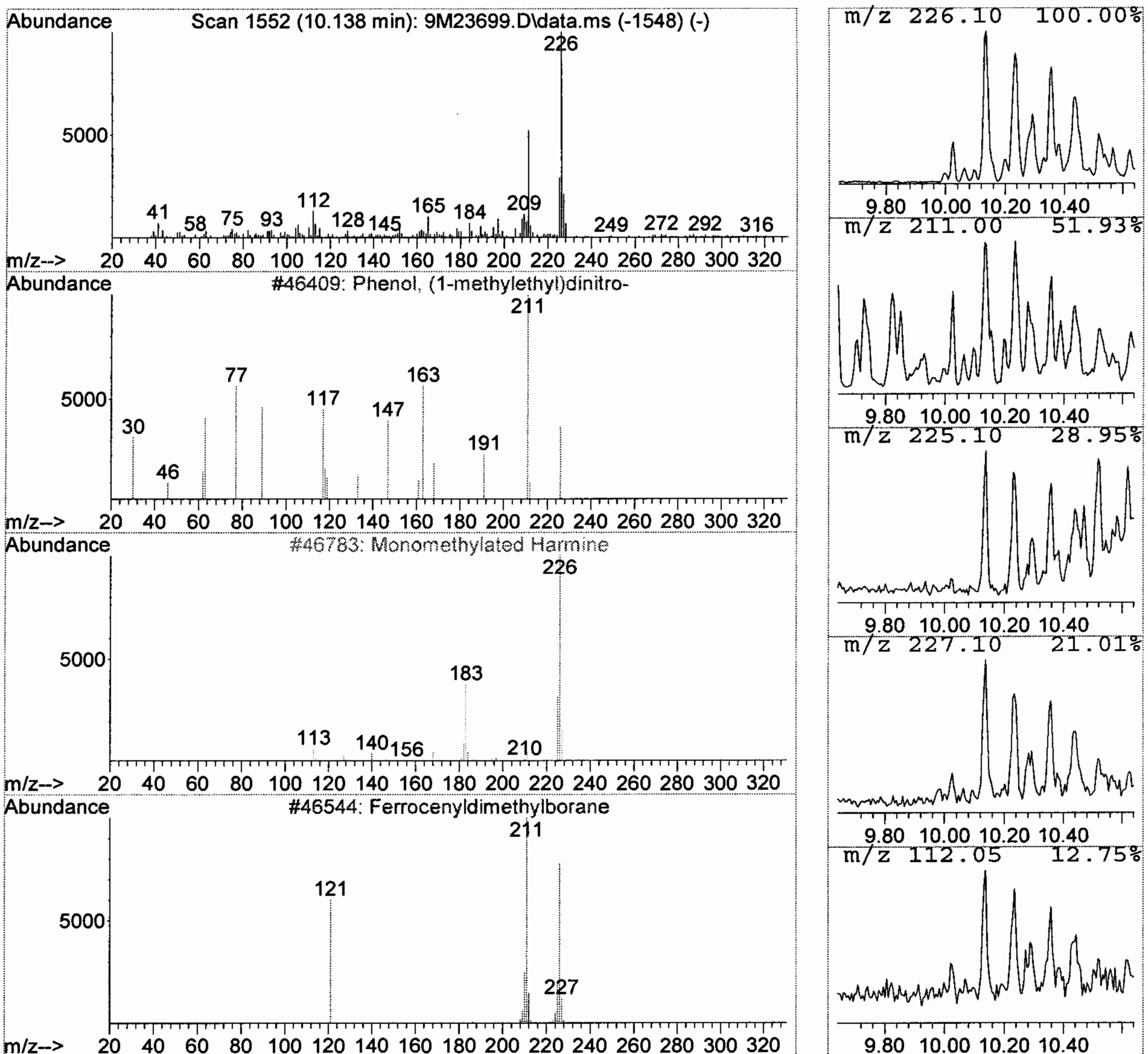
Peak Number 17 Phenol, (1-methylethyl)dini... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	22.17 ng	189346	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, (1-methylethyl)dinitro-	226	C9H10N2O5	029385-11-3	60
2	Monomethylated Harmine	226	C14H14N2O	000000-00-0	50
3	Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	50
4	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	50
5	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	50



Library Search Compound Report

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Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

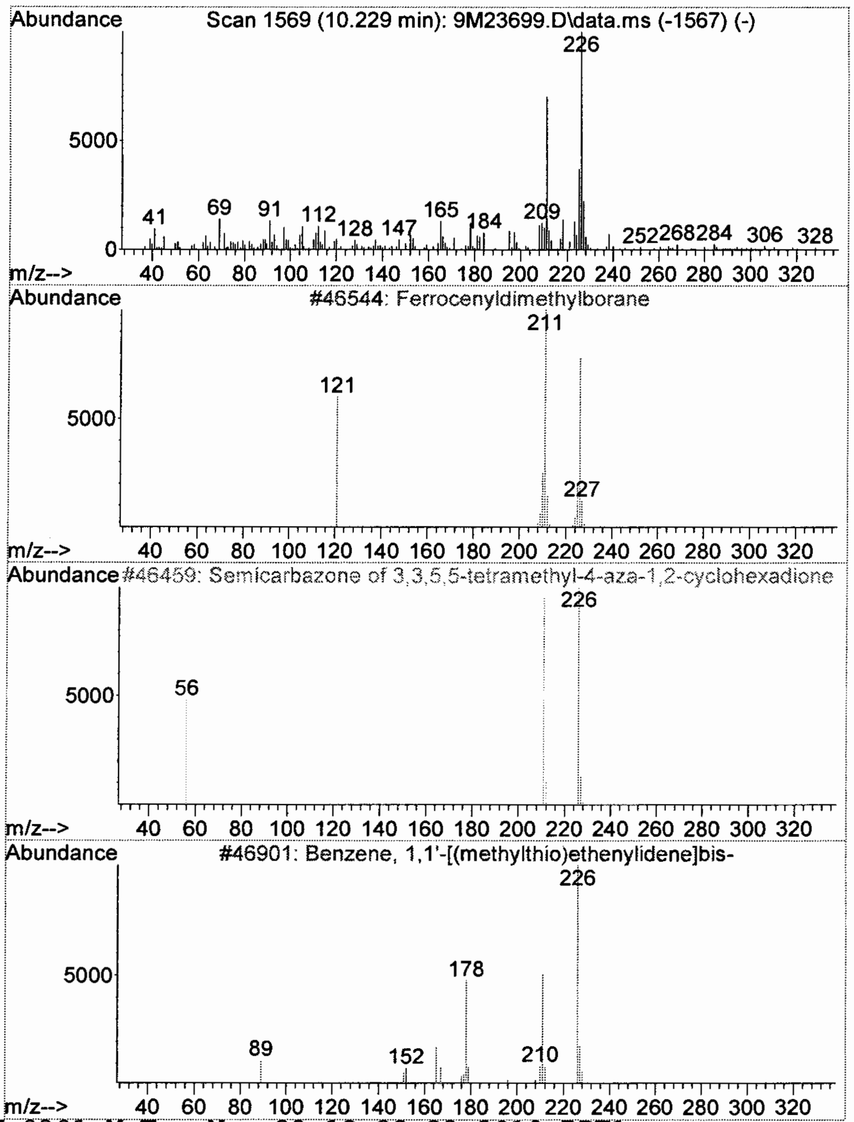
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

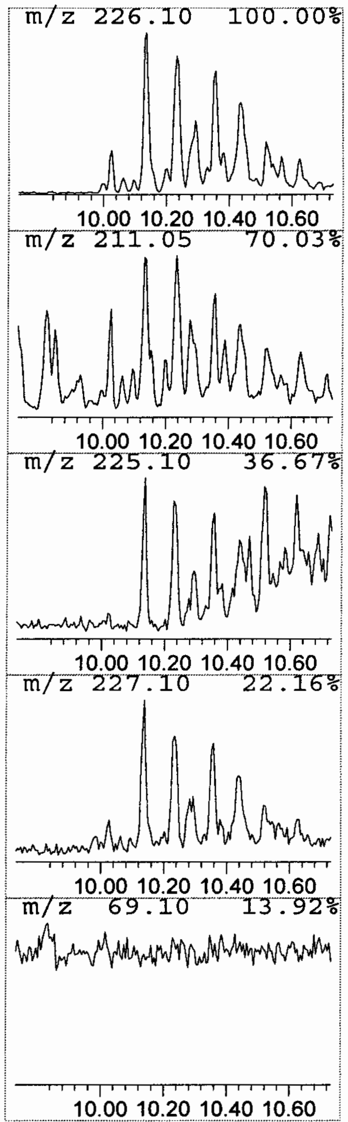
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Ferrocenyldimethylborane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	25.14 ng	214705	LibIS-Phenanthrene-d10	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	72
2	Semicarbazone of 3,3,5,5-tetrame...	226	C10H18N4O2	070510-25-7	53
3	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	46
4	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	42
5	Monomethylated Harmine	226	C14H14N2O	000000-00-0	38





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Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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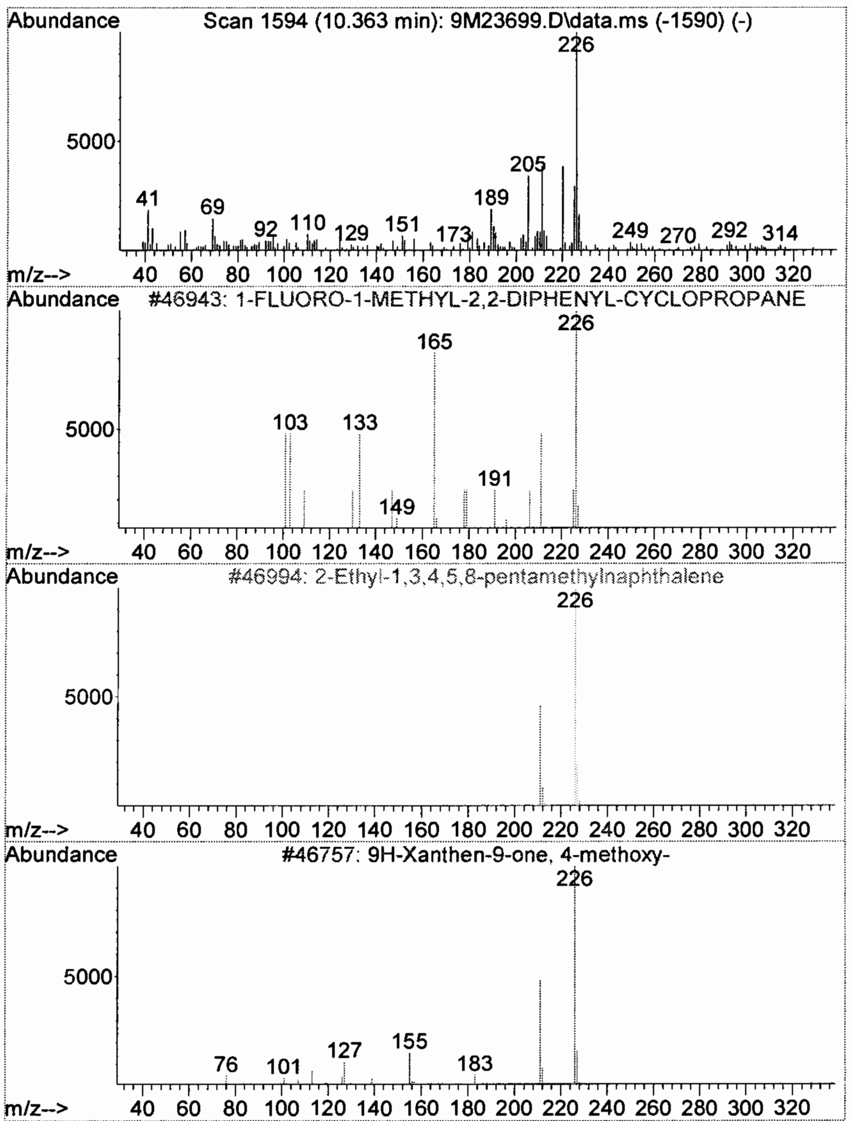
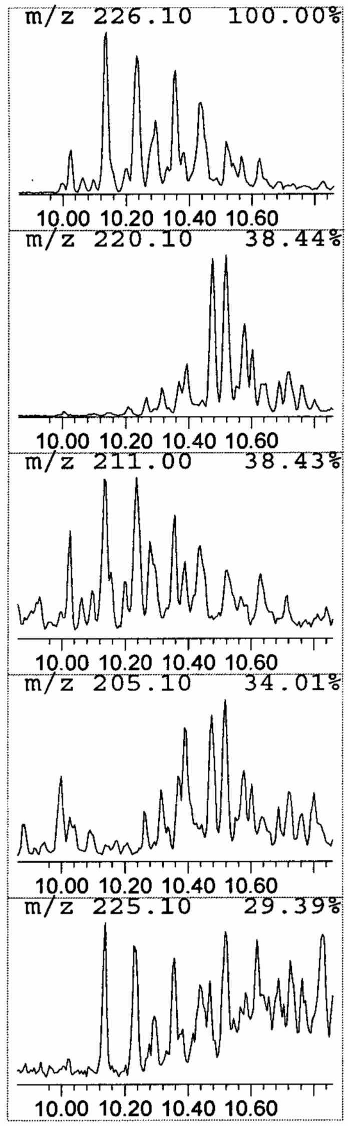
Peak Number 19 2-Ethyl-1,3,4,5,8-pentameth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	19.98 ng	154376	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-FLUORO-1-METHYL-2,2-DIPHENYL-C...	226	C16H15F	000000-00-0	93
2	2-Ethyl-1,3,4,5,8-pentamethylnap...	226	C17H22	071185-29-0	72
3	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	64
4	Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	56
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	50





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Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

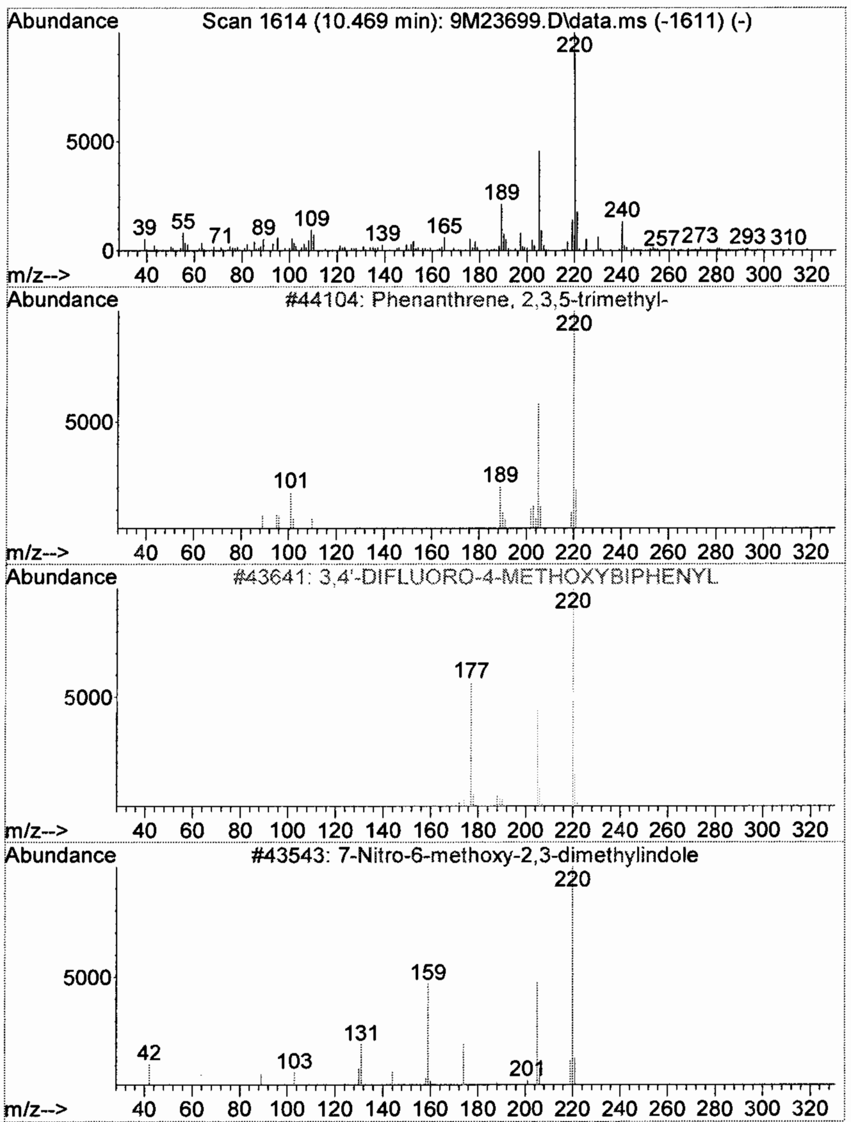
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

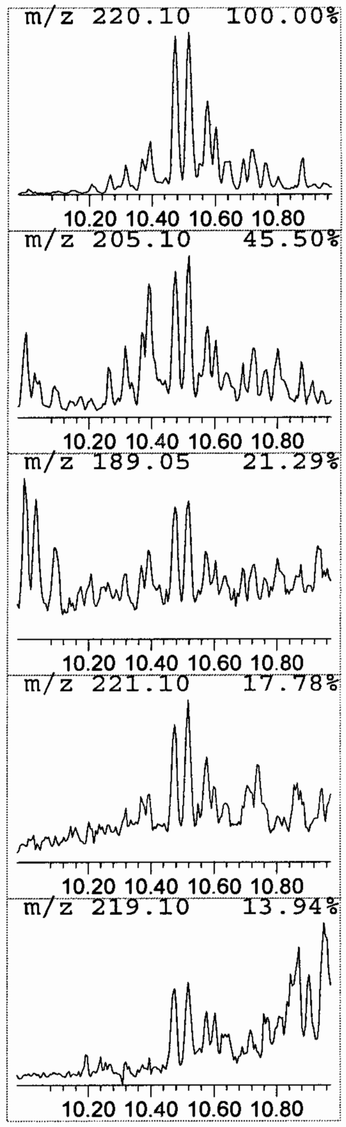
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	37.46 ng	289373	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	58
3	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
4	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	53
5	5-Hydroxy-6-methoxy-4,8-dimethyl...	220	C13H16O3	062192-87-4	53





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Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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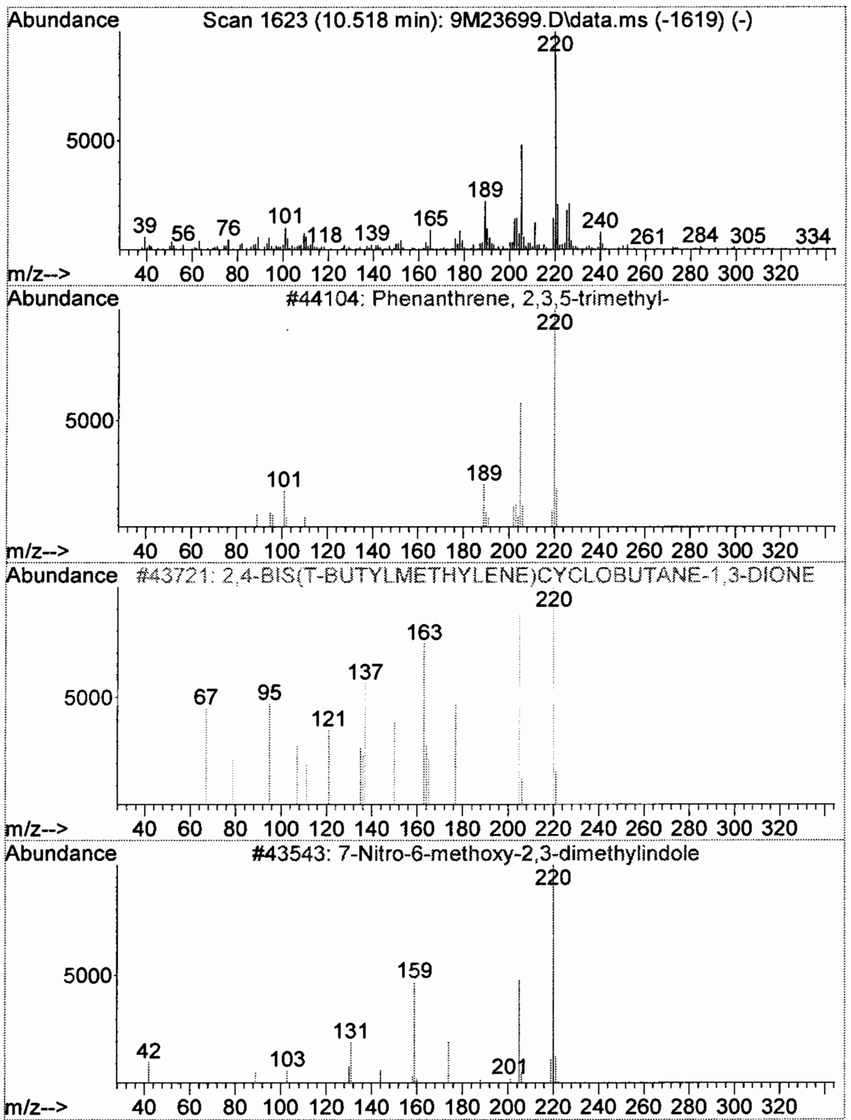
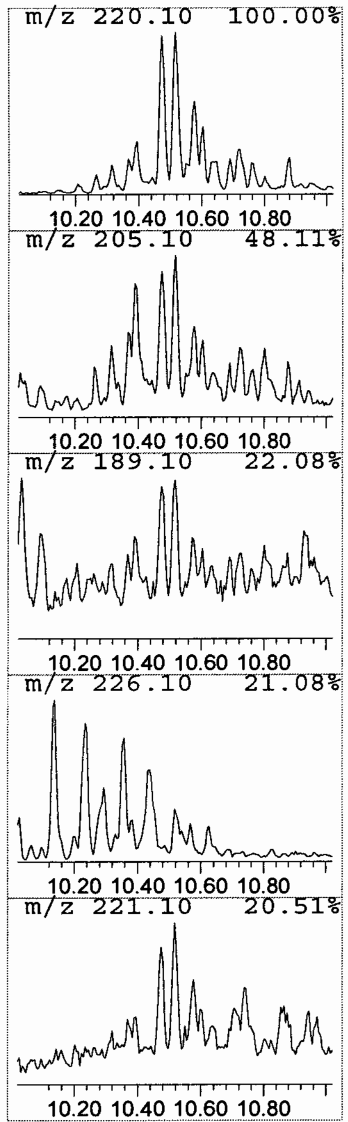
Peak Number 21 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	46.37 ng	358221	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2	2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	52
3	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	52
4	5-Hydroxy-6-methoxy-4,8-dimethyl...	220	C13H16O3	062192-87-4	50
5	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	50





Library Search Compound Report

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Quant Title : @GCMS_9,mg,625,8270

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

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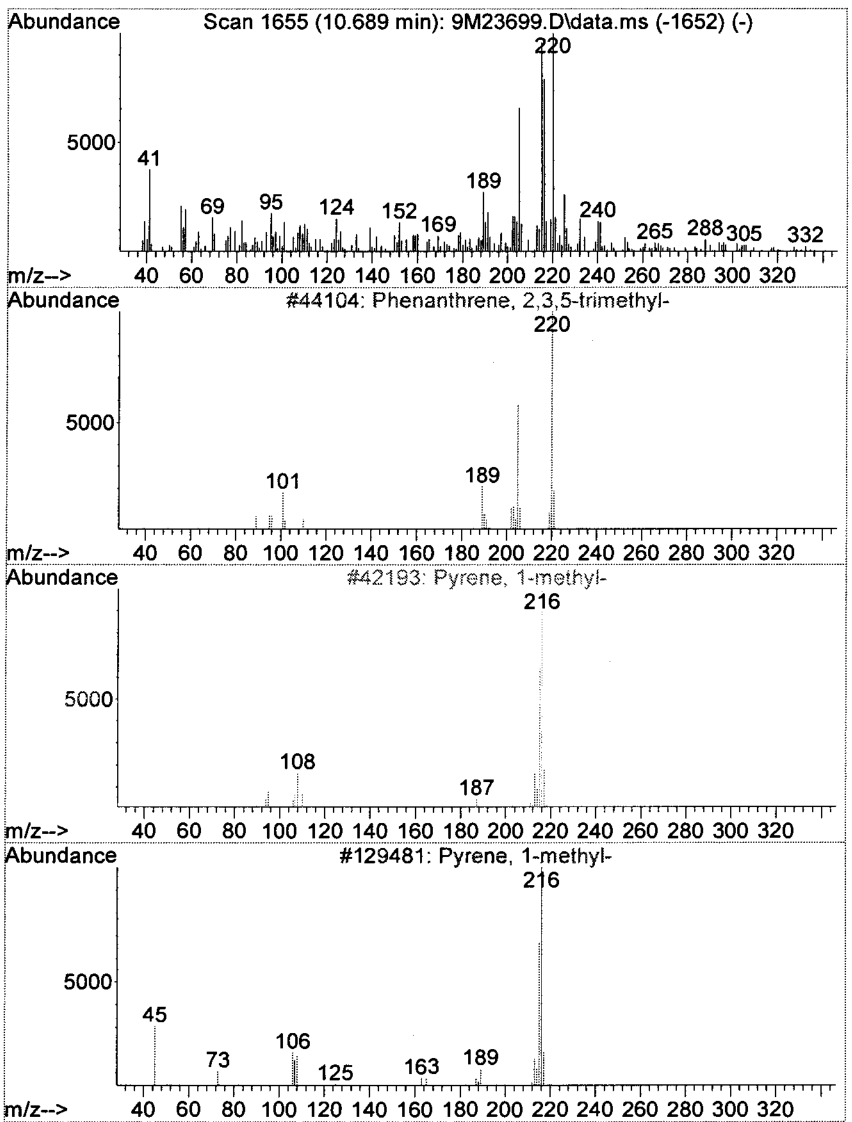
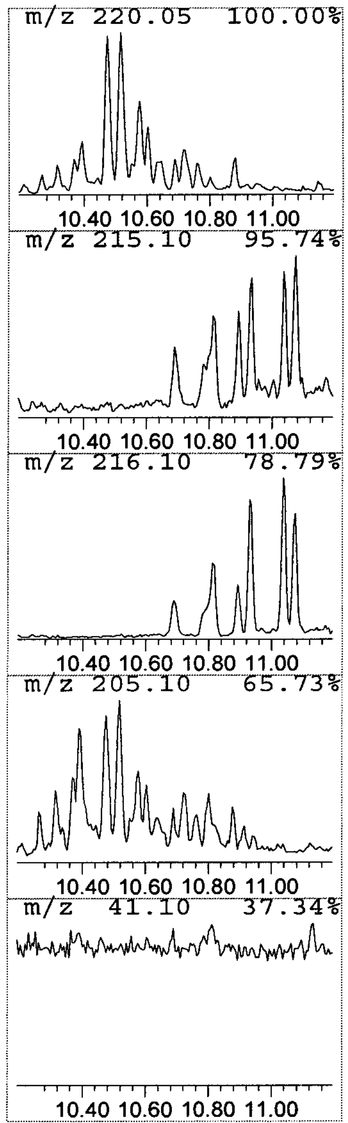
Peak Number 22 unknown Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	16.50 ng	127469	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	42
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	35
4	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	25
5	1-HYDROXY-2-(5-METHYL-3-ISOXAZOL...	220	C11H12N2O3	068576-19-2	25





Library Search Compound Report

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Sample    : AC50199-003(3X)
Misc      : S,BNA:3
ALS Vial  : 22   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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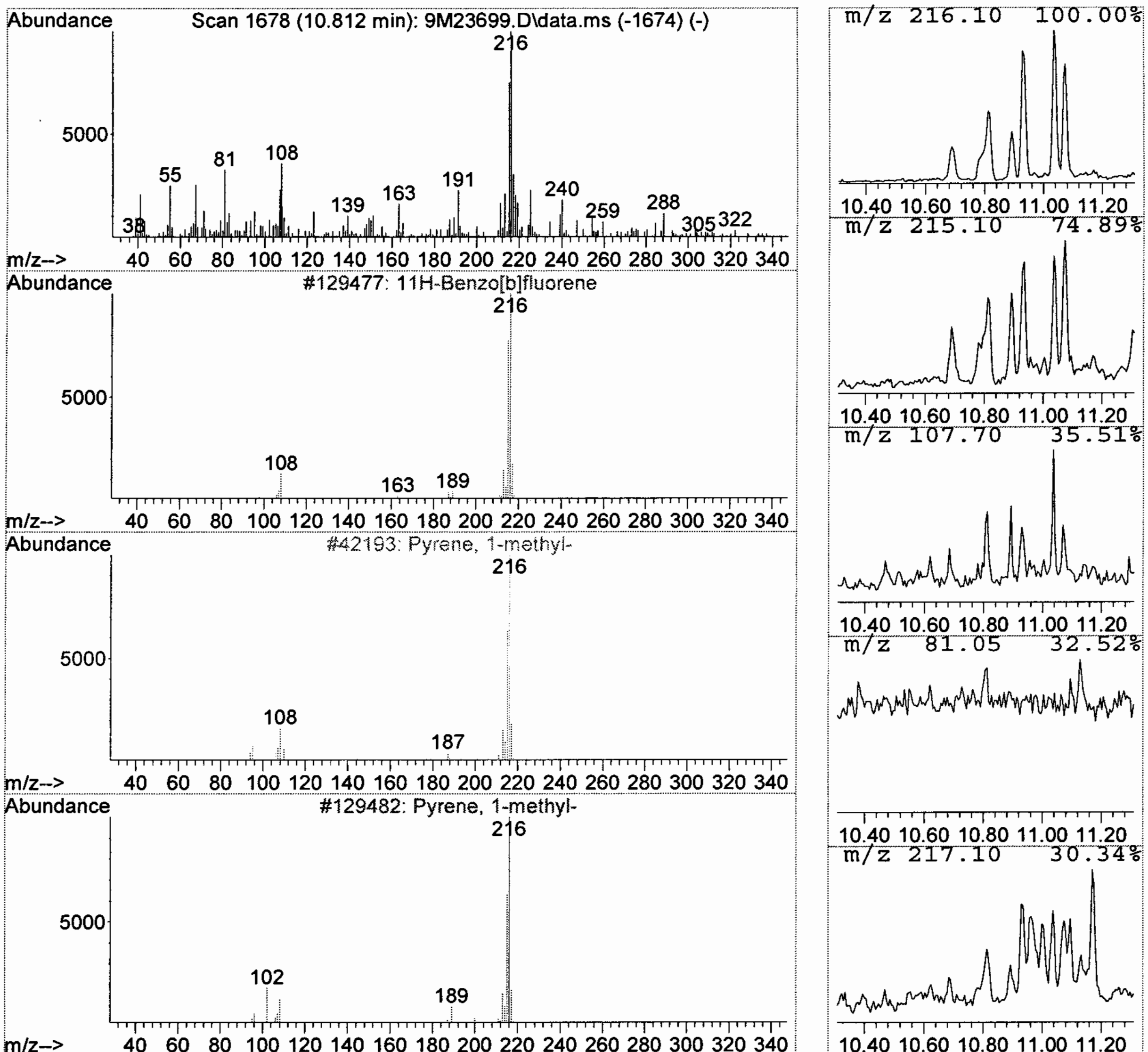
Peak Number 23   11H-Benzo[b]fluorene   Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	33.38 ng	257848	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	50
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49



Library Search Compound Report

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Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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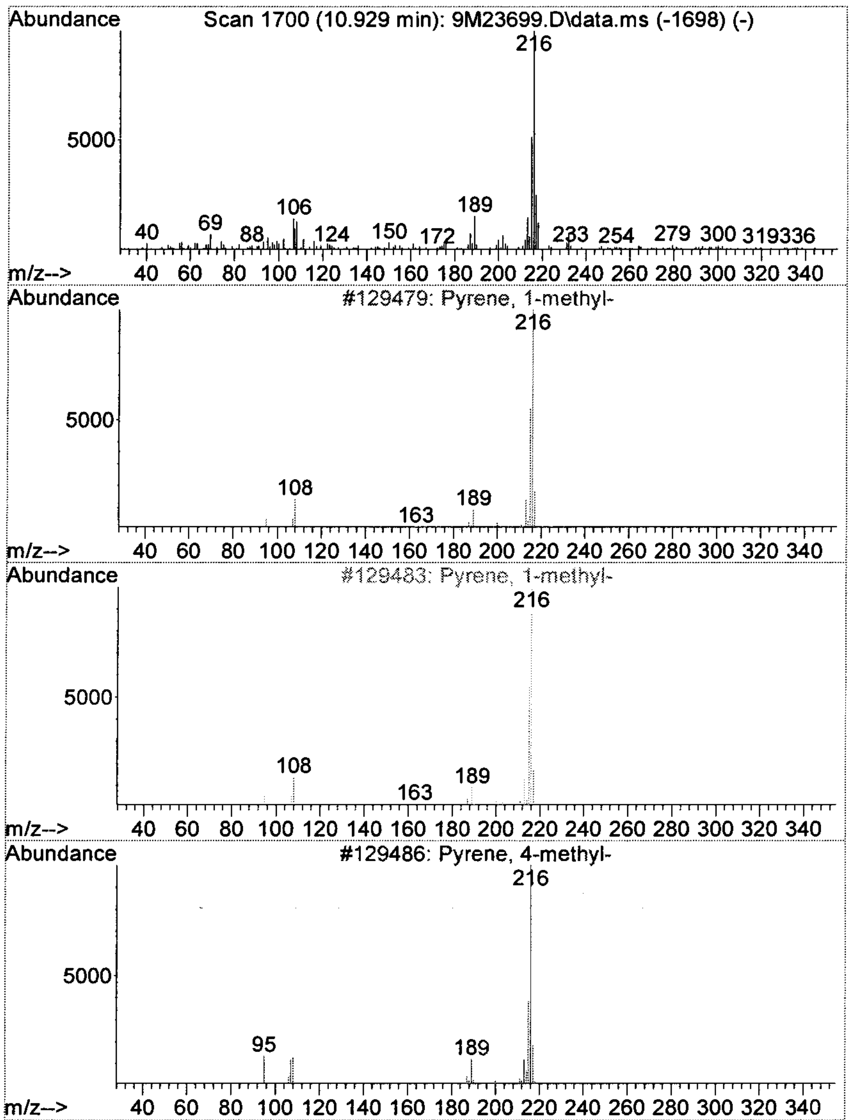
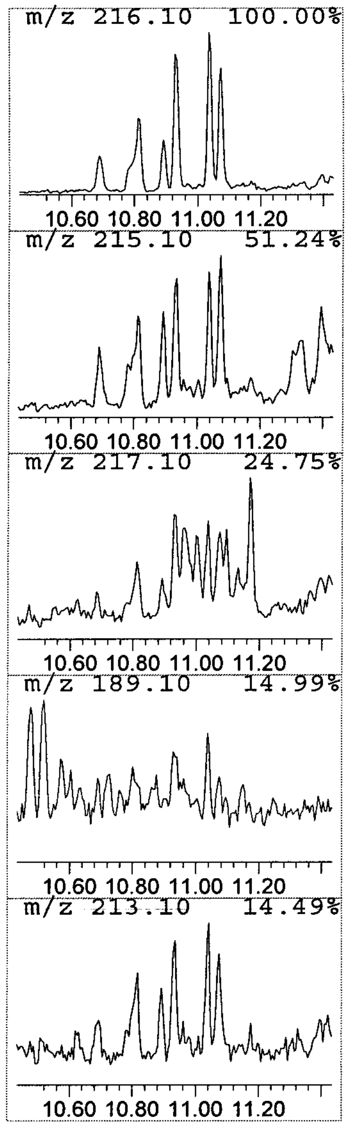
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	15.91 ng	122936	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74





Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

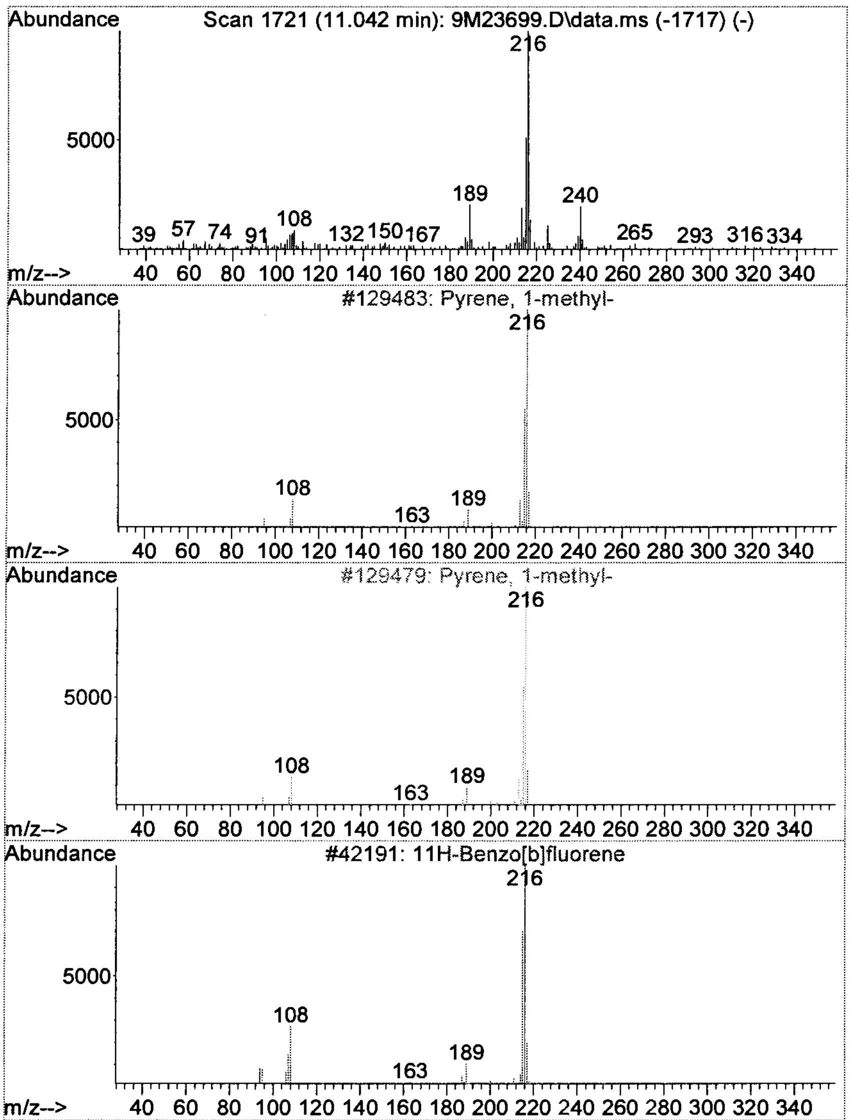
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

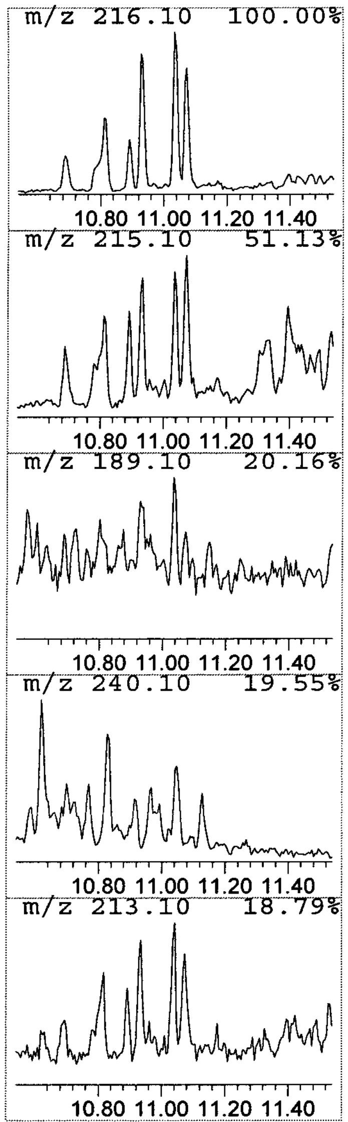
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	20.08 ng	155163	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

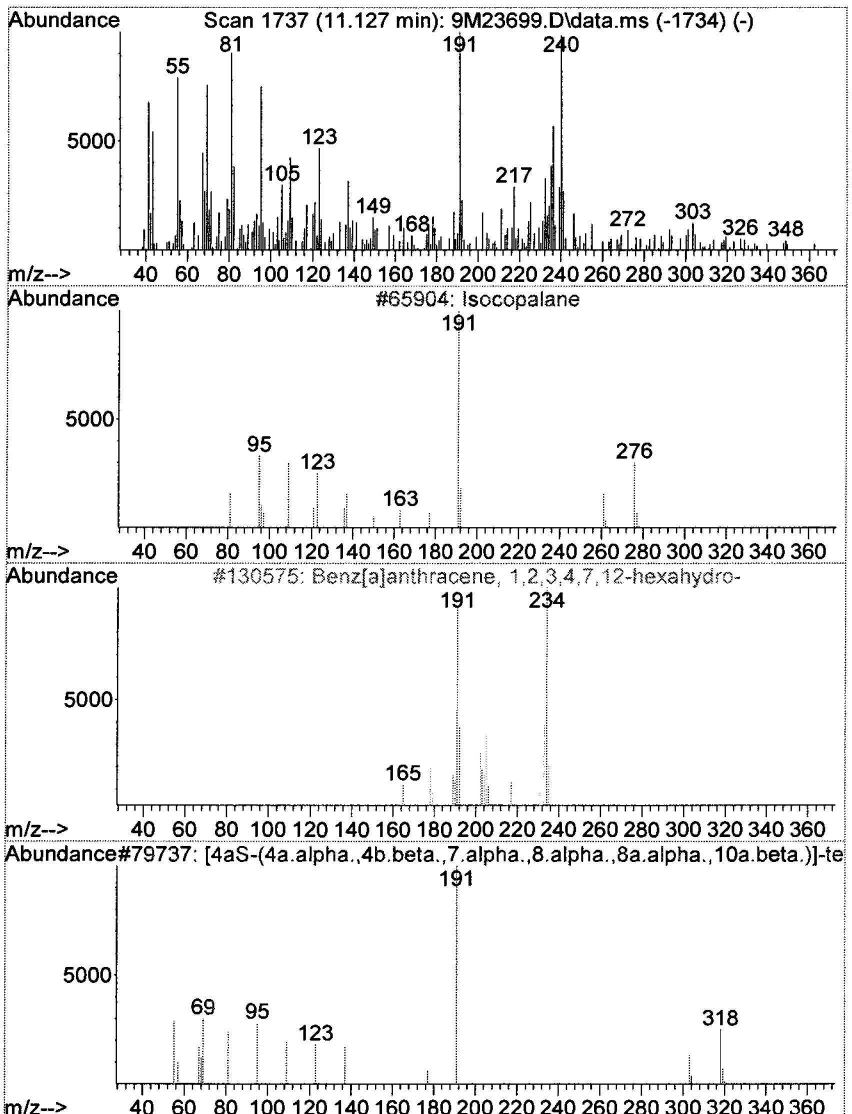
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

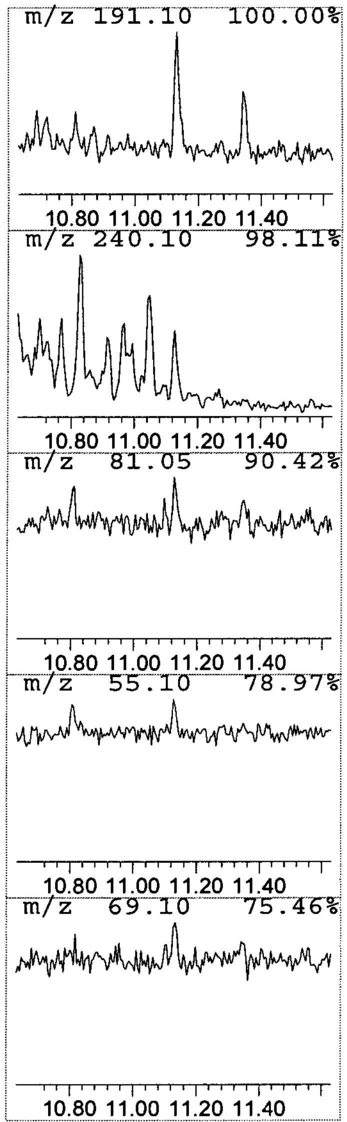
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 unknown Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	18.39 ng	142087	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isocopalane	276	C20H36	079191-19-8	38
2	Benz[a]anthracene, 1,2,3,4,7,12-...	234	C18H18	016434-62-1	38
3	[4aS-(4a.alpha.,4b.beta.,7.alpha...	318	C23H42	087953-46-6	38
4	Anthracene, 9-butyl-	234	C18H18	001498-69-7	27
5	5H-Dibenzo[a,d]cycloheptene-5-ca...	235	C16H13NO	010423-37-7	27





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

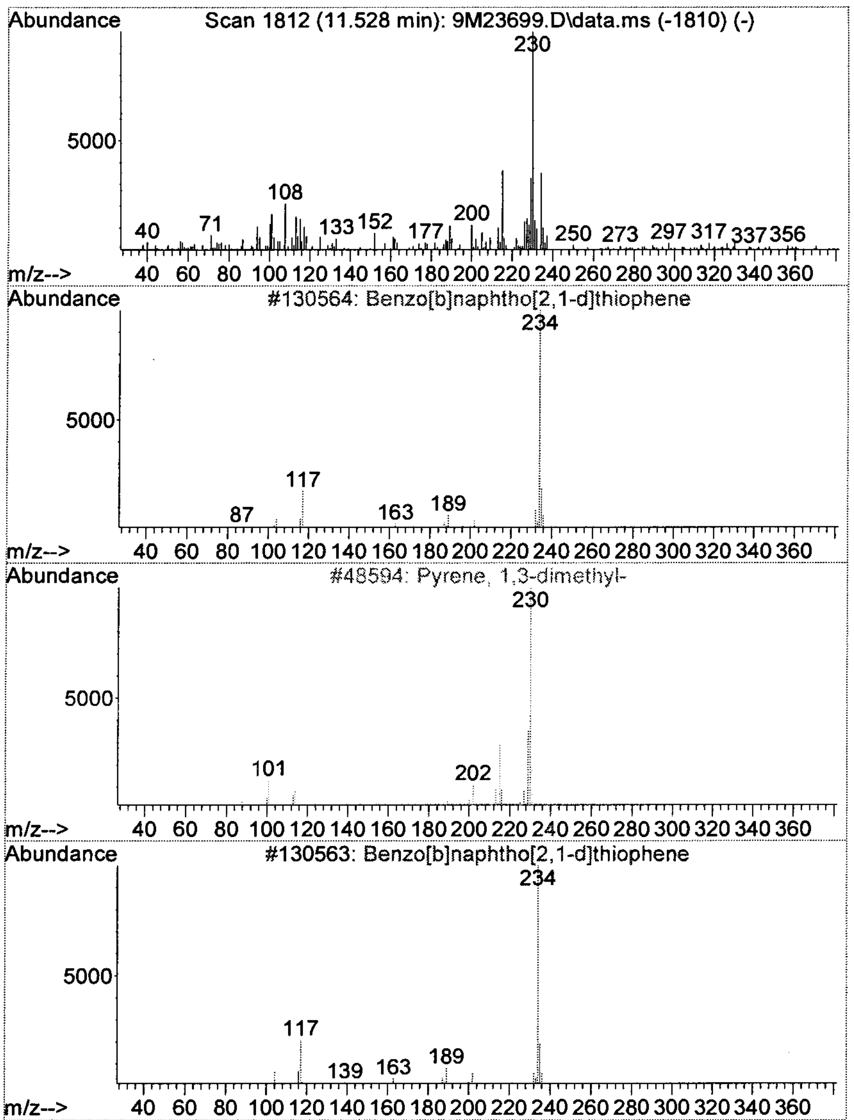
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

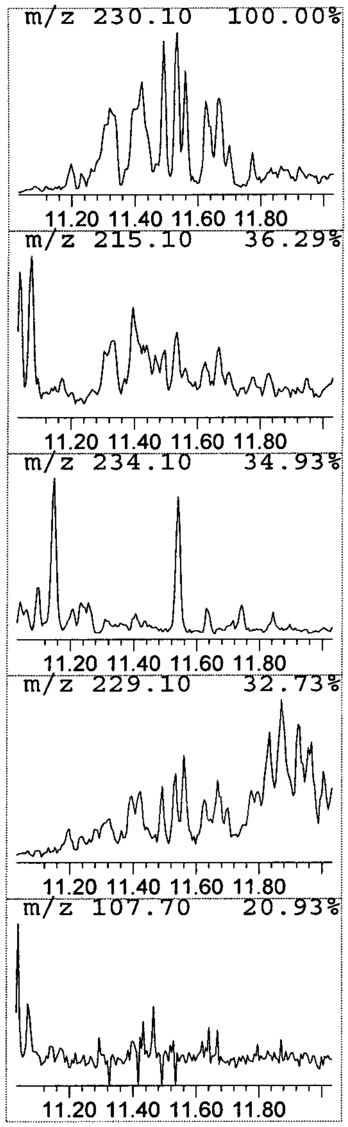
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	16.22 ng	125281	LibIS-Chrysene-d12	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
2	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	49
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	47
4	STILBENE, 4,4'-DICYANO-	230	C16H10N2	000000-00-0	45
5	Benzonitrile, 4,4'-(1,2-ethenedi...	230	C16H10N2	006292-62-2	45





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

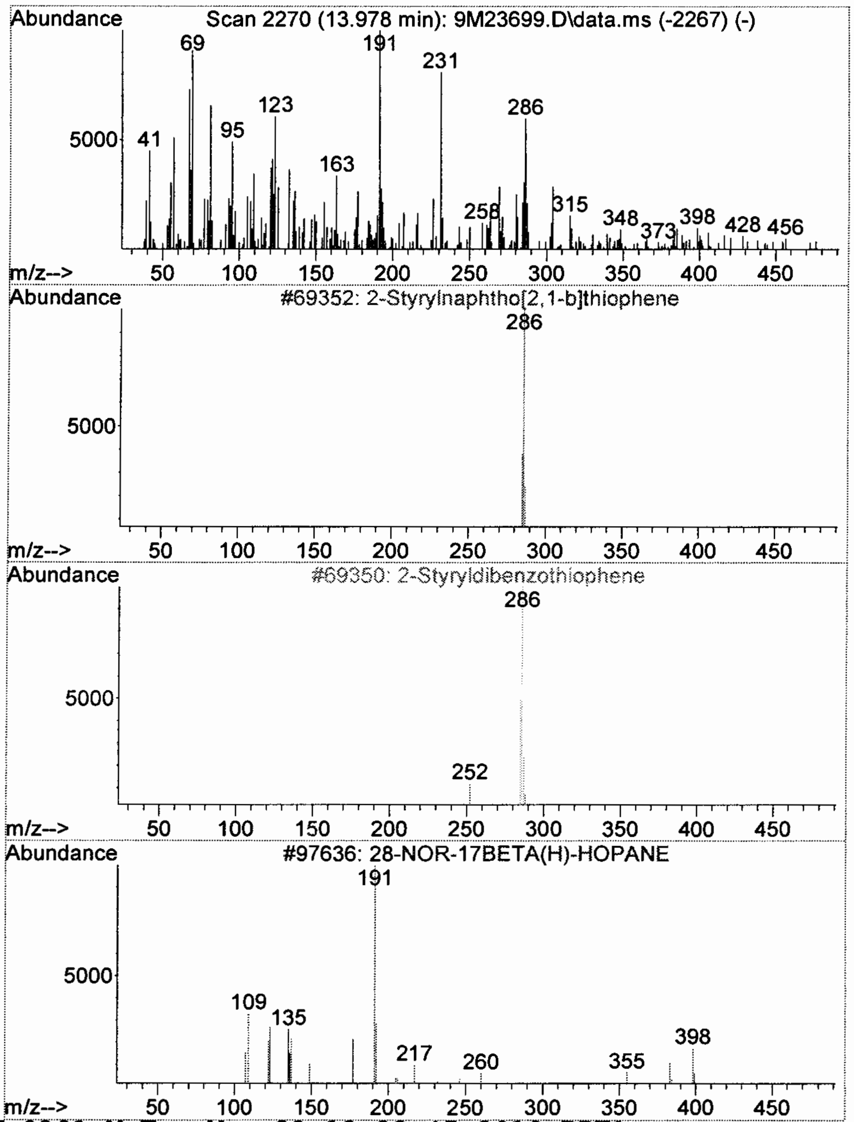
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

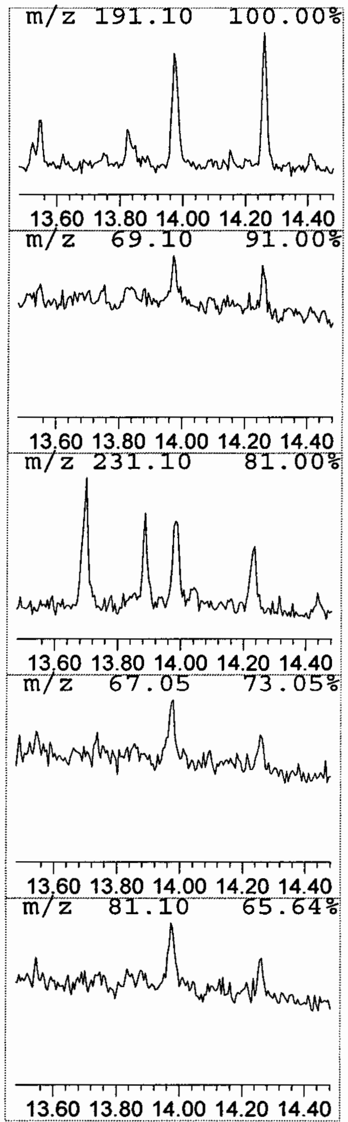
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	21.66 ng	204156	LibIS-Perylene-d12	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Styrylnaphtho[2,1-b]thiophene	286	C20H14S	088220-28-4	47
2	2-Styryldibenzothiophene	286	C20H14S	087660-03-5	38
3	28-NOR-17BETA(H)-HOPANE	398	C29H50	036728-72-0	35
4	1.BETA.,2.BETA.-EPOXY-15,16-DIME...	315	C18H21NO4	070644-03-0	27
5	Isozonarol	314	C21H30O2	039707-55-6	25





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23699.D
Acq On : 11 Mar 2010 17:29
Operator : AHD
Sample : AC50199-003(3X)
Misc : S,BNA:3
ALS Vial : 22 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.47	1929.0	ng	11842042	1	5.10	5.10	245553	40.0
unknown	6.54	23.4	ng	176091	2	6.14	6.14	300511	40.0
Cyclohexane, 1,1,...	7.00	16.6	ng	128128	3	7.47	7.47	309510	40.0
Naphthalene, 2,3,...	7.74	18.8	ng	145603	3	7.47	7.47	309510	40.0
2-Allyl-1-methyln...	8.26	17.0	ng	145554	4	8.84	8.84	341586	40.0
Naphthalene, 1-me...	8.36	16.0	ng	136348	4	8.84	8.84	341586	40.0
9H-Fluorene, 2-me...	8.46	19.2	ng	163852	4	8.84	8.84	341586	40.0
1,1'-Biphenyl, 4,...	8.49	21.0	ng	178944	4	8.84	8.84	341586	40.0
4-HYDROXYMELLEIN	8.97	16.6	ng	141540	4	8.84	8.84	341586	40.0
Benzenamine, 4,4'...	9.39	19.1	ng	163144	4	8.84	8.84	341586	40.0
Naphtho[2,3-b]thi...	9.64	26.1	ng	222738	4	8.84	8.84	341586	40.0
Naphtho[2,3-b]thi...	9.70	20.1	ng	171651	4	8.84	8.84	341586	40.0
2,8-Dimethyldiben...	9.73	19.9	ng	170246	4	8.84	8.84	341586	40.0
1,7-Dimethyldiben...	9.82	20.3	ng	173504	4	8.84	8.84	341586	40.0
Phenanthrene, 2,5...	10.00	46.7	ng	399033	4	8.84	8.84	341586	40.0
Phenanthrene, 3,6...	10.03	25.1	ng	213983	4	8.84	8.84	341586	40.0
Phenol, (1-methyl...	10.14	22.2	ng	189346	4	8.84	8.84	341586	40.0
Ferrocenyldimethy...	10.23	25.1	ng	214705	4	8.84	8.84	341586	40.0
2-Ethyl-1,3,4,5,8...	10.36	20.0	ng	154376	5	11.84	11.84	309015	40.0
Phenanthrene, 2,3...	10.47	37.5	ng	289373	5	11.84	11.84	309015	40.0
Phenanthrene, 2,3...	10.52	46.4	ng	358221	5	11.84	11.84	309015	40.0
unknown	10.69	16.5	ng	127469	5	11.84	11.84	309015	40.0
11H-Benzo[b]fluorene	10.81	33.4	ng	257848	5	11.84	11.84	309015	40.0
Pyrene, 1-methyl-	10.93	15.9	ng	122936	5	11.84	11.84	309015	40.0
Pyrene, 1-methyl-	11.04	20.1	ng	155163	5	11.84	11.84	309015	40.0
unknown	11.13	18.4	ng	142087	5	11.84	11.84	309015	40.0
Benzo[b]naphtho[2...	11.53	16.2	ng	125281	5	11.84	11.84	309015	40.0
unknown	13.98	21.7	ng	204156	6	13.44	13.44	376957	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-004(3X)
Client Id: PI-01-TP-RAU1030510SO1
Data File: 5M56038.D
Analysis Date: 03/16/10 16:24
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 63

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.32	U
122-66-7	1,2-Diphenylhydrazine	0.32	U
95-95-4	2,4,5-Trichlorophenol	0.32	U
88-06-2	2,4,6-Trichlorophenol	0.32	U
120-83-2	2,4-Dichlorophenol	0.32	U
105-67-9	2,4-Dimethylphenol	0.32	U
51-28-5	2,4-Dinitrophenol	1.6	U
121-14-2	2,4-Dinitrotoluene	0.32	U
606-20-2	2,6-Dinitrotoluene	0.32	U
91-58-7	2-Chloronaphthalene	0.32	U
95-57-8	2-Chlorophenol	0.32	U
91-57-6	**2-Methylnaphthalene**	**0.32**	**0.48**
95-48-7	2-Methylphenol	0.32	U
88-74-4	2-Nitroaniline	0.32	U
88-75-5	2-Nitrophenol	0.32	U
106-44-5	3&4-Methylphenol	0.32	U
91-94-1	3,3'-Dichlorobenzidine	0.32	U
99-09-2	3-Nitroaniline	0.32	U
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U
101-55-3	4-Bromophenyl-phenylether	0.32	U
59-50-7	4-Chloro-3-methylphenol	0.32	U
106-47-8	4-Chloroaniline	0.32	U
7005-72-3	4-Chlorophenyl-phenylether	0.32	U
100-01-6	4-Nitroaniline	0.32	U
100-02-7	4-Nitrophenol	0.32	U
83-32-9	**Acenaphthene**	**0.32**	**0.33**
208-96-8	Acenaphthylene	0.32	U
62-53-3	Aniline	0.32	U
120-12-7	Anthracene	0.32	U
92-87-5	Benzidine	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.32**	**1.1**
50-32-8	**Benzo[a]pyrene**	**0.32**	**0.70**
205-99-2	**Benzo[b]fluoranthene**	**0.32**	**0.40**
191-24-2	**Benzo[g,h,i]perylene**	**0.32**	**0.60**
207-08-9	Benzo[k]fluoranthene	0.32	U
65-85-0	Benzoic Acid	1.6	U
111-91-1	bis(2-Chloroethoxy)methan	0.32	U
111-44-4	bis(2-Chloroethyl)ether	0.32	U
108-60-1	bis(2-chloroisopropyl)ether	0.32	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.32	U
85-68-7	Butylbenzylphthalate	0.32	U
86-74-8	Carbazole	0.32	U
218-01-9	**Chrysene**	**0.32**	**1.6**
53-70-3	Dibenzo[a,h]anthracene	0.32	U
132-64-9	Dibenzofuran	0.32	U
84-66-2	Diethylphthalate	0.32	U
131-11-3	Dimethylphthalate	0.32	U
84-74-2	Di-n-butylphthalate	0.32	U
117-84-0	Di-n-octylphthalate	0.32	U
206-44-0	**Fluoranthene**	**0.32**	**1.3**
86-73-7	Fluorene	0.32	U
118-74-1	Hexachlorobenzene	0.32	U
87-68-3	Hexachlorobutadiene	0.32	U
77-47-4	Hexachlorocyclopentadiene	1.6	U
67-72-1	Hexachloroethane	0.32	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.32	U
78-59-1	Isophorone	0.32	U
91-20-3	**Naphthalene**	**0.32**	**0.32**
98-95-3	Nitrobenzene	0.32	U
62-75-9	N-Nitrosodimethylamine	0.32	U
621-64-7	N-Nitroso-di-n-propylamine	0.32	U
86-30-6	n-Nitrosodiphenylamine	0.32	U
87-86-5	Pentachlorophenol	1.6	U
85-01-8	**Phenanthrene**	**0.32**	**1.9**
108-95-2	Phenol	0.32	U
129-00-0	**Pyrene**	**0.32**	**6.1**

Worksheet #: 145846 ***Total Target Concentration*** 15 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: AC50199-004(3X)
Client Id: PI-01-TP-RAU1030510
Data File: 5M56038.D
Analysis Date: 03/16/10 16:24
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 63
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.20	210 JAB
2	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.34	3.2 J
3	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.41	3.5 J
4	2131-41-1	Naphthalene, 1,4,5-trimethyl-	8.49	3.6 J
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.62	3.0 J
6	529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	8.99	3.8 J
7	1430-97-3	9H-Fluorene, 2-methyl-	9.16	4.0 J
8	4612-63-9	9H-Fluorene, 2,3-dimethyl-	9.22	3.5 J
9	611-43-8	1,1'-Biphenyl, 2,3'-dimethyl-	9.32	3.1 J
10	4612-63-9	9H-Fluorene, 2,3-dimethyl-	9.70	3.7 J
11	57768-52-2	(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	10.14	4.5 J
12	613-12-7	Anthracene, 2-methyl-	10.22	3.0 J
13	57768-52-2	(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	10.26	7.0 J
14	16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	10.47	3.9 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.64	5.0 J
16	3674-66-6	Phenanthrene, 2,5-dimethyl-	10.76	8.7 J
17	3674-65-5	Phenanthrene, 2,3-dimethyl-	10.79	4.7 J
18	3674-65-5	Phenanthrene, 2,3-dimethyl-	10.86	3.8 J
19		unknown	11.01	4.3 J
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.17	2.9 J
21	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.24	4.2 J
22	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	11.29	5.5 J
23	3442-78-2	Pyrene, 2-methyl-	11.72	5.5 J
24	3353-12-6	Pyrene, 4-methyl-	11.83	4.8 J
25	2381-21-7	Pyrene, 1-methyl-	11.87	4.4 J

Worksheet #: 145846

Total Tentativelv Identified Concentration 310

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)

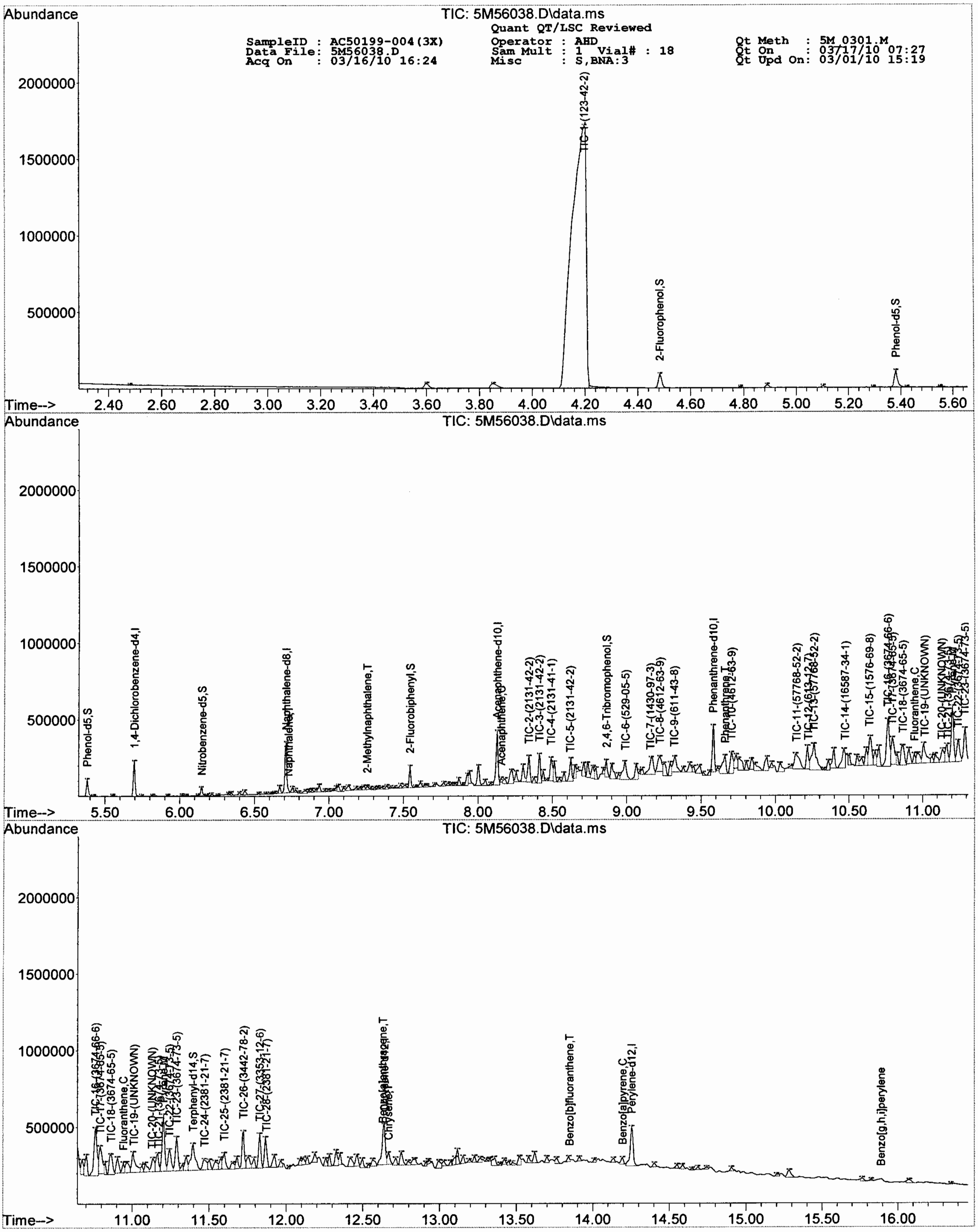
SampleID : AC50199-004(3X)   Operator : AHD   Qt Meth : 5M_0301.M
Data File: 5M56038.D   Sam Mult : 1 Vial# : 18   Qt On : 03/17/10 07:27
Acq On : 03/16/10 16:24   Misc : S,BNA:3   Qt Upd On: 03/01/10 15:19

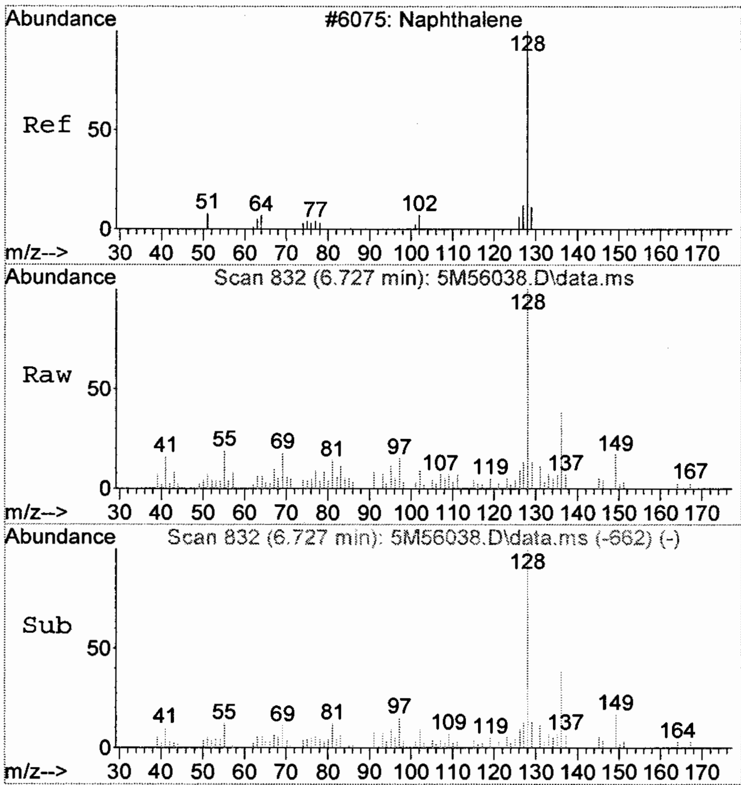
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.696	152	32495	40.00 ng	-0.11
29) Naphthalene-d8	6.711	136	122292	40.00 ng	-0.10
47) Acenaphthene-d10	8.127	164	68427	40.00 ng	-0.12
73) Phenanthrene-d10	9.580	188	115838	40.00 ng	-0.13
87) Chrysene-d12	12.641	240	100208	40.00 ng	-0.14
102) Perylene-d12	14.254	264	102339	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.483	112	24811	21.31 ng	-0.11
Spiked Amount 100.000			Recovery =	21.31%	
15) Phenol-d5	5.381	99	36090	22.38 ng	-0.10
Spiked Amount 100.000			Recovery =	22.38%	
30) Nitrobenzene-d5	6.150	128	7300	13.97 ng	-0.10
Spiked Amount 50.000			Recovery =	27.94%	
52) 2-Fluorobiphenyl	7.544	172	33386	14.80 ng	-0.11
Spiked Amount 50.000			Recovery =	29.60%	
76) 2,4,6-Tribromophenol	8.864	330	5751	31.87 ng	-0.12
Spiked Amount 100.000			Recovery =	31.87%	
90) Terphenyl-d14	11.396	244	39913	14.45 ng	-0.13
Spiked Amount 50.000			Recovery =	28.90%	
Target Compounds					Qvalue
39) Naphthalene	6.727	128	6279	2.00 ng	97
44) 2-Methylnaphthalene	7.256	142	6409	3.01 ng	96
61) Acenaphthene	8.153	153	4019	2.06 ng	95
82) Phenanthrene	9.660	178	39599	12.03 ng	92
86) Fluoranthene	10.942	202	29662	8.05 ng	87
88) Pyrene	11.204	202	155466	38.30 ng	81
99) Benzo[a]anthracene	12.630	228	27160	7.22 ng	76
100) Chrysene	12.667	228	35703	10.27 ng	83
104) Benzo[b]fluoranthene	13.848	252	8284m	2.49 ng	
106) Benzo[a]pyrene	14.195	252	14267	4.44 ng	81
109) Benzo[g,h,i]perylene	15.889	276	10278	3.78 ng	84
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.696		188506	40.00 ng	--
2) Naphthalene-d8	6.711		283818	40.00 ng	--
3) Acenaphthene-d10	8.127		326188	40.00 ng	--
4) Phenanthrene-d10	9.580		340740m	40.00 ng	--
5) Chrysene-d12	12.641		304512m	40.00 ng	--
6) Perylene-d12	14.254		347535	40.00 ng	--
Library Search Compounds					
1) 123-42-2	4.200		6375325	1352.81 ng	56
2) 2131-42-2	8.340		163570	20.06 ng	97
3) 2131-42-2	8.410		179458	22.01 ng	97
4) 2131-41-1	8.490		182952	22.44 ng	92
5) 2131-42-2	8.620		152619	18.72 ng	94
6) 529-05-5	8.990		204661	24.03 ng	91
7) 1430-97-3	9.160		212504	24.95 ng	96
8) 4612-63-9	9.220		186593	21.90 ng	87
9) 611-43-8	9.320		167622	19.68 ng	50
10) 4612-63-9	9.700		197186	23.15 ng	94
11) 57768-52-2	10.140		243484	28.58 ng	64
12) 613-12-7	10.220		162760	19.11 ng	96
13) 57768-52-2	10.260		375701	44.10 ng	56
14) 16587-34-1	10.470		210605	24.72 ng	52
15) 1576-69-8	10.640		266761	31.32 ng	70
16) 3674-66-6	10.760		467788	54.91 ng	97
17) 3674-65-5	10.790		252530	29.64 ng	60
18) 3674-65-5	10.860		205629	24.14 ng	90
19) UNKNOWN	11.010		229101	26.89 ng	--
20) UNKNOWN	11.130		131857	17.32 ng	--
21) 3674-73-5	11.170		138950	18.25 ng	58
22) 3674-73-5	11.240		201619	26.48 ng	64
23) 3674-73-5	11.290		261790	34.39 ng	95
24) 2381-21-7	11.470		131909	17.33 ng	53
25) 2381-21-7	11.600		131009	17.21 ng	70
26) 3442-78-2	11.720		264250	34.71 ng	96
27) 3353-12-6	11.830		229315	30.12 ng	91
28) 2381-21-7	11.870		209316	27.50 ng	96

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

ll

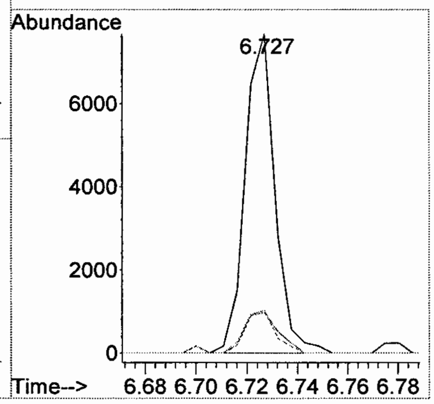

TIC: 5M56038.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-004(3X)
Data File: 5M56038.D
Acq On : 03/16/10 16:24
Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : S,BNA:3
Qt Meth : 5M_0301.M
Qt On : 03/17/10 07:27
Qt Upd On: 03/01/10 15:19
Abundance
Time-->
TIC-1-(123-42-2)
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
TIC-2-(2131-42-2)
TIC-3-(2131-42-2)
TIC-4-(2131-41-1)
TIC-5-(2131-42-2)
2,4,6-Tribromophenol,S
TIC-6-(529-05-5)
TIC-7-(1430-97-3)
TIC-8-(4612-63-9)
TIC-9-(611-43-8)
Phenanthrene-d10,I
TIC-10-(4612-63-9)
TIC-11-(57768-52-2)
TIC-14-(16587-34-1)
TIC-15-(1576-69-8)
TIC-18-(3674-65-5)
Fluoranthene,C
TIC-19-(UNKNOWN)
TIC-20-(UNKNOWN)
TIC-23-(3674-73-5)
Terphenyl-d14,S
TIC-24-(2381-21-7)
TIC-25-(2381-21-7)
TIC-26-(3442-78-2)
TIC-28-(2381-21-7)
Chrysene
Benzo[b]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

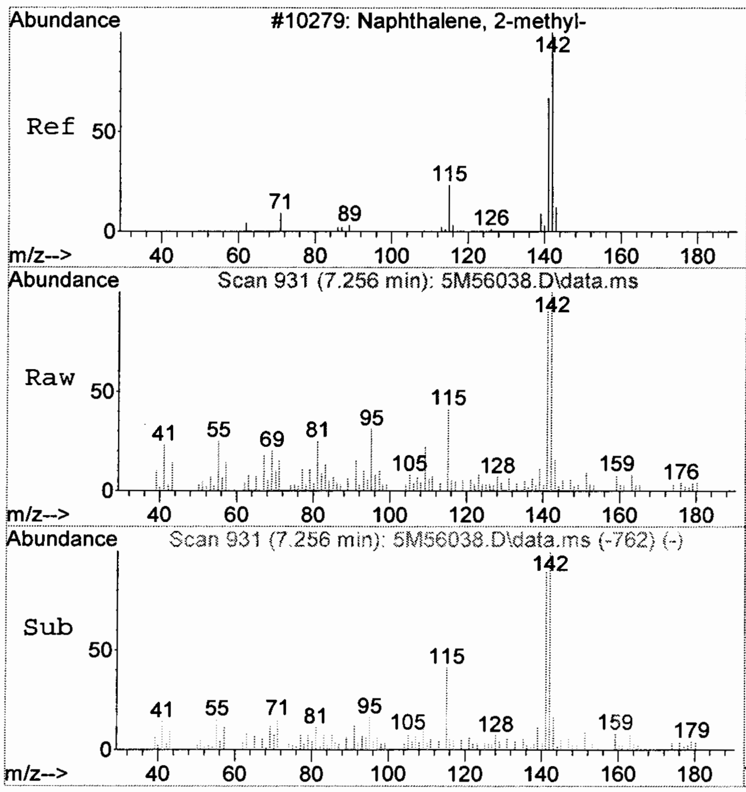


#39
Naphthalene
Concen: 2.00 ng
RT: 6.727 min Scan# 832
Delta R.T. -0.107 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:128 Resp: 6279

Ion	Ratio	Lower	Upper
128	100		
129	12.7	0.0	50.9
127	13.2	0.0	52.4

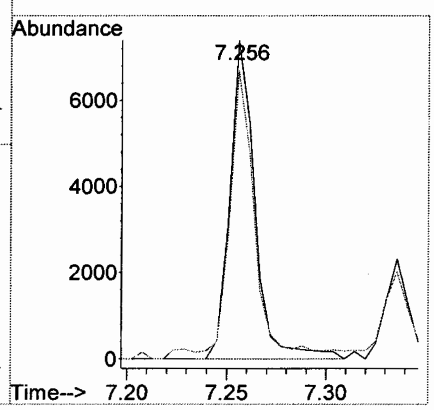


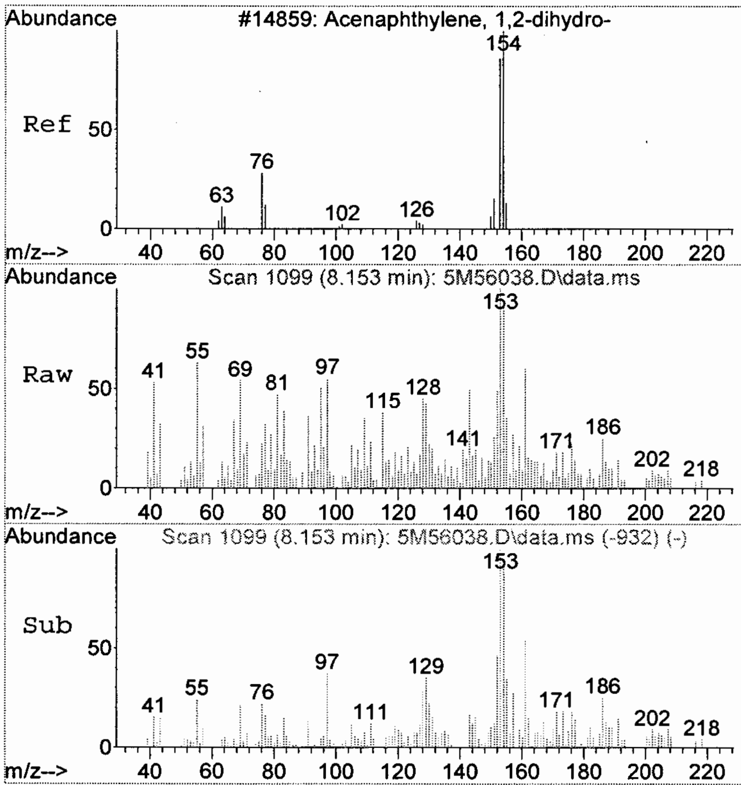


#44
2-Methylnaphthalene
Concen: 3.01 ng
RT: 7.256 min Scan# 931
Delta R.T. -0.112 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:142 Resp: 6409

Ion	Ratio	Lower	Upper
142	100		
141	88.4	44.6	124.6

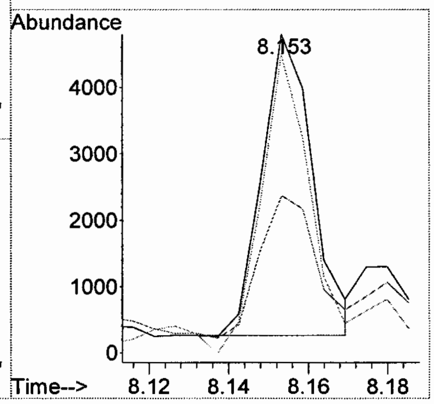


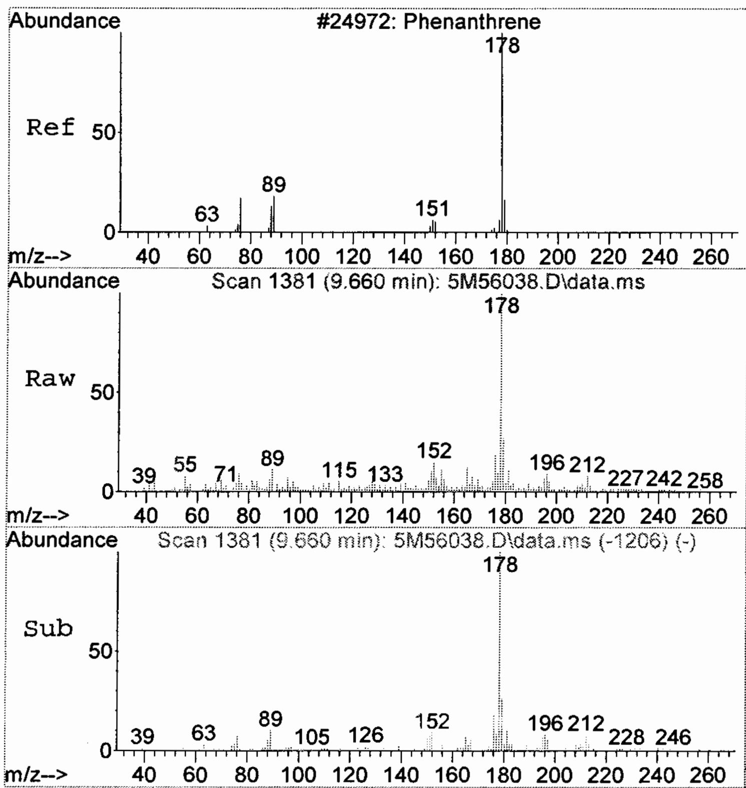


#61
Acenaphthene
Concen: 2.06 ng
RT: 8.153 min Scan# 1099
Delta R.T. -0.123 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:153 Resp: 4019

Ion	Ratio	Lower	Upper
153	100		
152	45.6	10.0	90.0
154	92.7	57.5	137.5

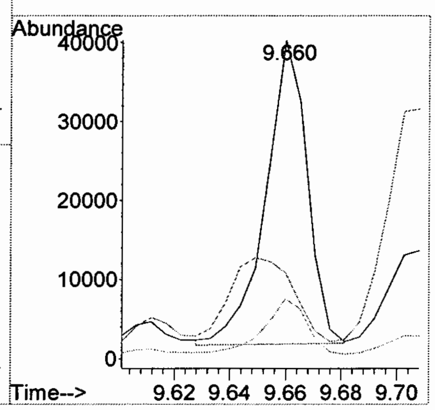


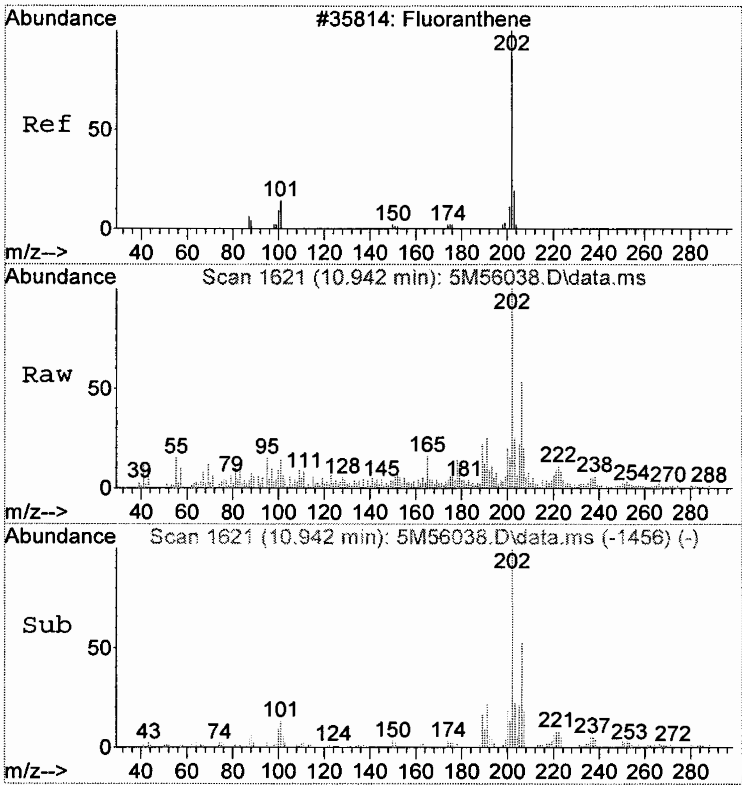


#82
Phenanthrene
Concen: 12.03 ng
RT: 9.660 min Scan# 1381
Delta R.T. -0.080 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:178 Resp: 39599

Ion	Ratio	Lower	Upper
178	100		
179	22.1	0.0	55.5
176	18.2	0.0	59.3

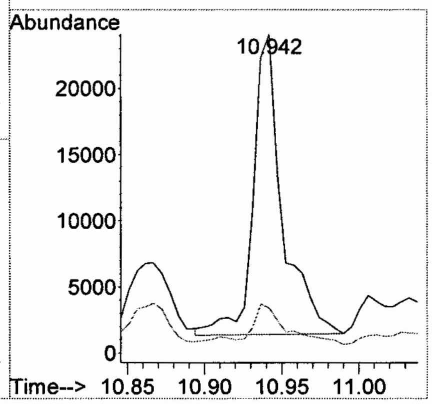


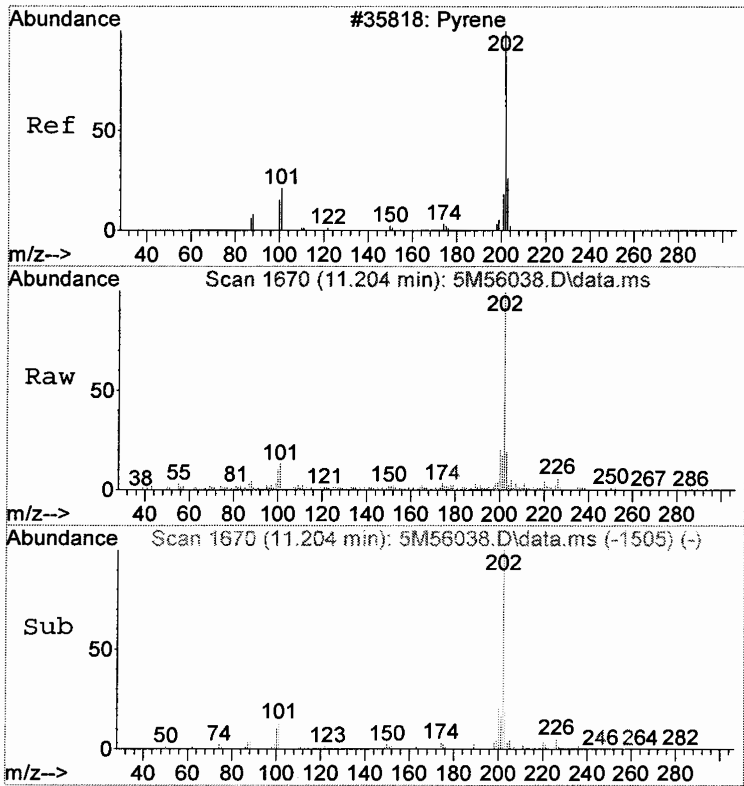


#86
Fluoranthene
Concen: 8.05 ng
RT: 10.942 min Scan# 1621
Delta R.T. -0.133 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:202 Resp: 29662

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	57.6

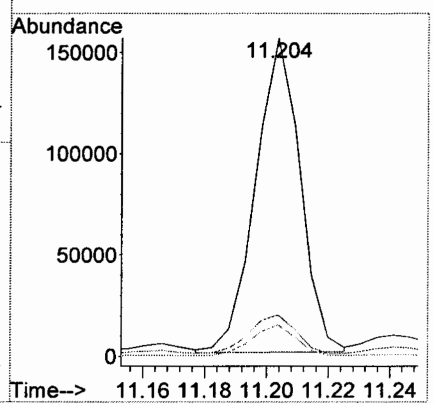


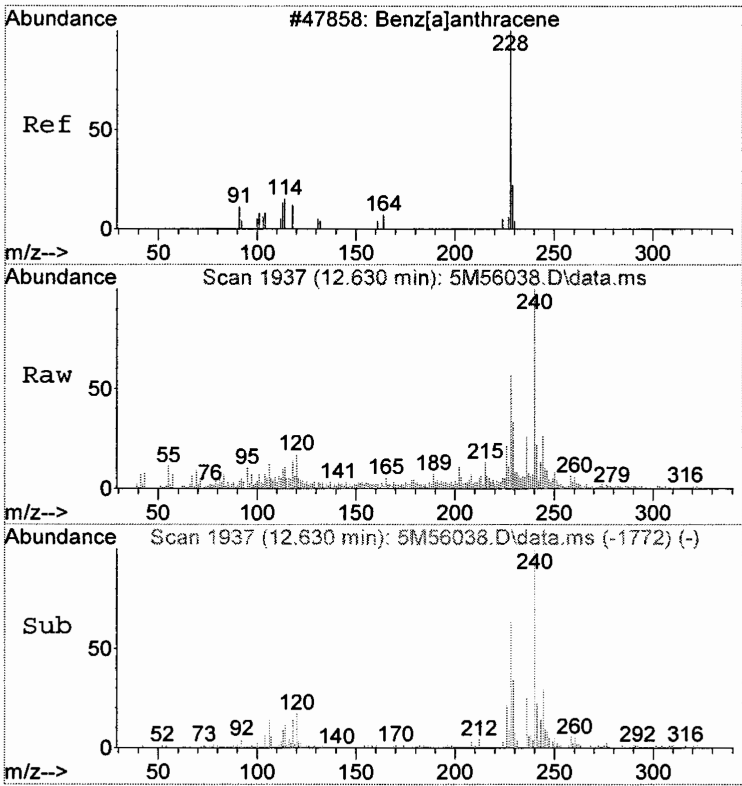


#88
Pyrene
Concen: 38.30 ng
RT: 11.204 min Scan# 1670
Delta R.T. -0.133 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:202 Resp: 155466

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	62.2
100	9.9	0.0	57.8

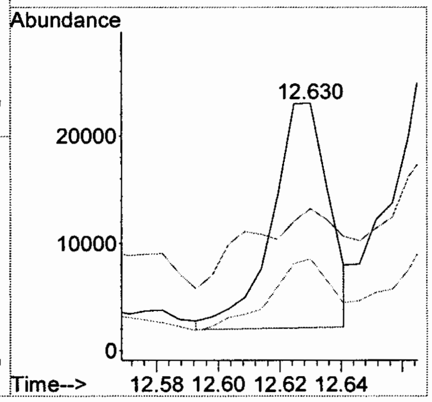


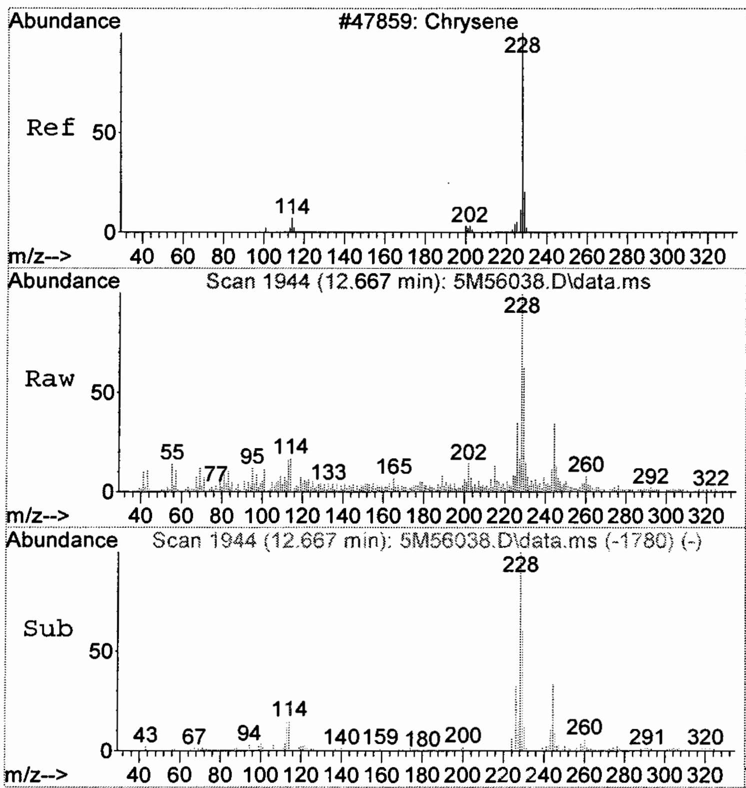


#99
Benzo[a]anthracene
Concen: 7.22 ng
RT: 12.630 min Scan# 1937
Delta R.T. -0.133 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:228 Resp: 27160

Ion	Ratio	Lower	Upper
228	100		
229	36.8	0.0	59.5
226	33.0	0.0	66.0

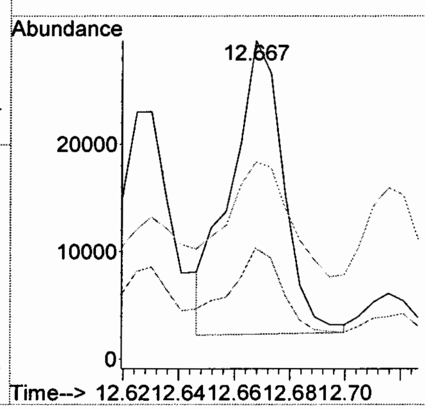


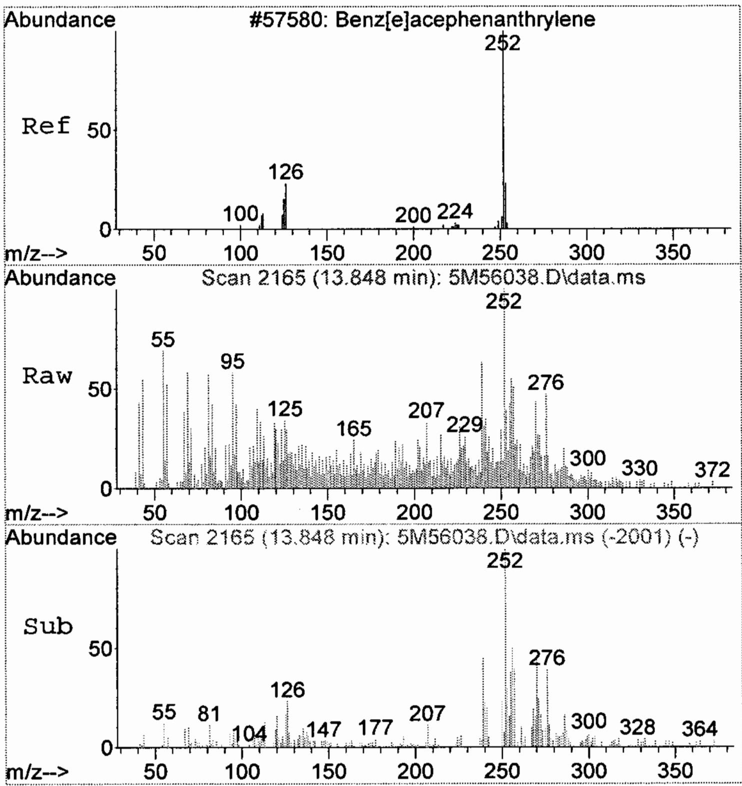


#100
Chrysene
Concen: 10.27 ng
RT: 12.667 min Scan# 1944
Delta R.T. -0.139 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:228 Resp: 35703

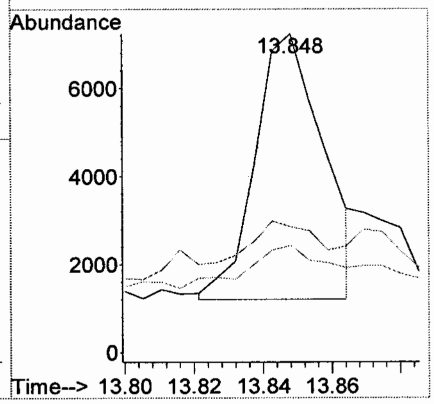
Ion	Ratio	Lower	Upper
228	100		
226	29.7	9.5	49.5
229	39.8	0.0	60.2

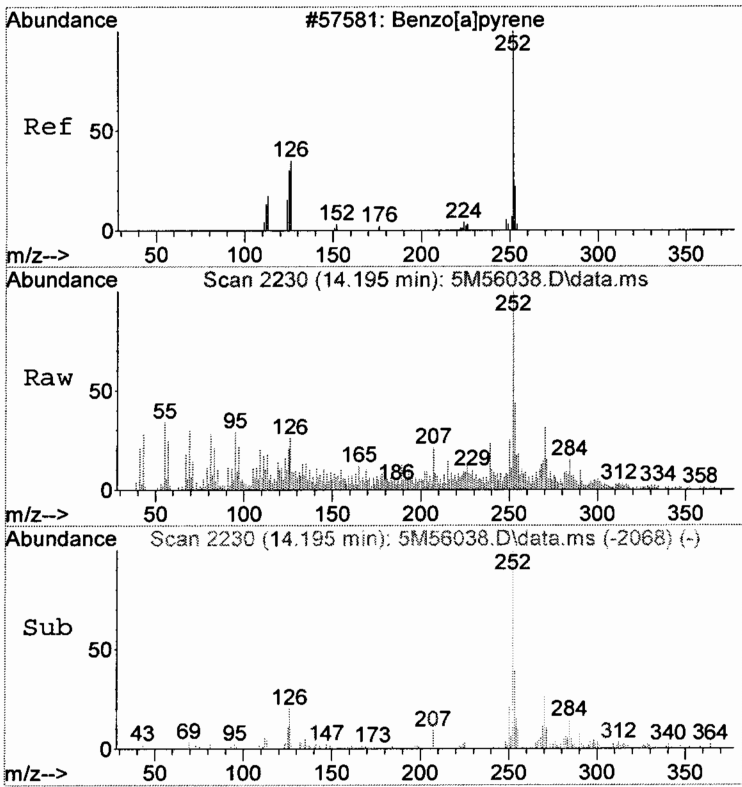




#104
Benzo[b]fluoranthene
Concen: 2.49 ng m
RT: 13.848 min Scan# 2165
Delta R.T. -0.139 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

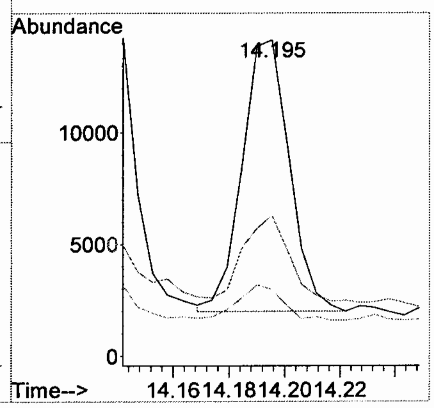
Tgt Ion:252	Resp:		8284
Ion	Ratio	Lower	Upper
252	100		
253	39.4	0.0	62.3
125	33.6	0.0	58.4

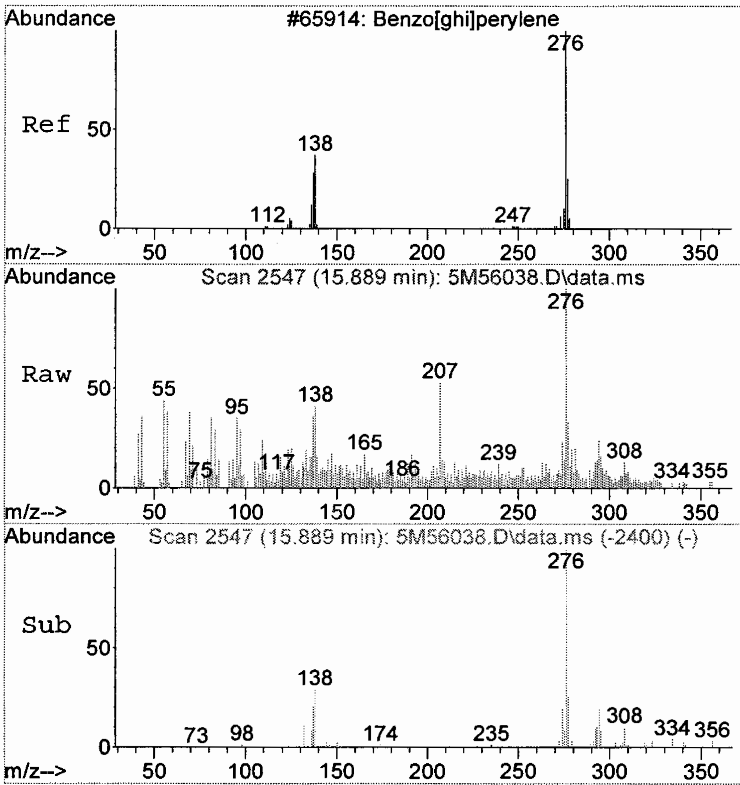




#106
Benzo[a]pyrene
Concen: 4.44 ng
RT: 14.195 min Scan# 2230
Delta R.T. -0.149 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:252	Resp:		14267
Ion	Ratio	Lower	Upper
252	100		
253	31.3	0.0	62.4
125	11.4	0.0	60.9

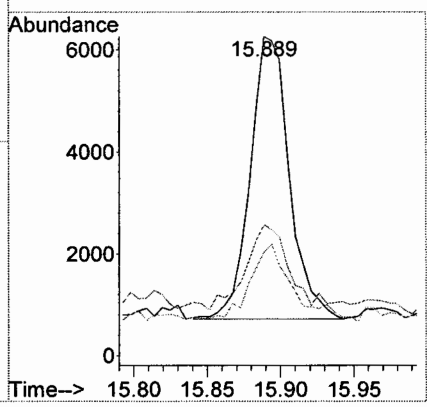




#109
Benzo[g,h,i]perylene
Concen: 3.78 ng
RT: 15.889 min Scan# 2547
Delta R.T. -0.224 min
Lab File: 5M56038.D
Acq: 16 Mar 2010 16:24

Tgt Ion:276 Resp: 10278

Ion	Ratio	Lower	Upper
276	100		
138	27.3	0.0	140.0
277	23.6	0.0	120.0



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Filtering: 5
Sampling : 1
Min Area: 500 Area counts
Start Thrs: 0.05
Max Peaks: 250
Stop Thrs : 0
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M56038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.480	35	37	43	rVB4	3040	3586	0.06%	0.015%
2	3.602	243	247	254	rBV	29558	36072	0.57%	0.151%
3	3.853	290	294	305	rVB	28593	51095	0.80%	0.214%
4	4.200	340	359	362	rBV	1713809	6375325	100.00%	26.675%
5	4.483	408	412	421	rVB	90714	78560	1.23%	0.329%
6	4.788	466	469	473	rBV	7192	5490	0.09%	0.023%
7	4.889	485	488	495	rVB	19633	16164	0.25%	0.068%
8	5.103	524	528	532	rBV	11580	9007	0.14%	0.038%
9	5.295	562	564	567	rBV	4833	3922	0.06%	0.016%
10	5.381	577	580	586	rBV	108373	91589	1.44%	0.383%
11	5.423	586	588	595	rVB5	2406	3555	0.06%	0.015%
12	5.552	607	612	619	rBV4	6418	9928	0.16%	0.042%
13	5.696	635	639	646	rVB	227544	188506	2.96%	0.789%
14	5.744	646	648	652	rBV3	3855	4944	0.08%	0.021%
15	5.819	659	662	665	rBV3	3582	4040	0.06%	0.017%
16	5.920	677	681	686	rVB3	5548	6445	0.10%	0.027%
17	6.016	695	699	702	rBV4	6508	7198	0.11%	0.030%
18	6.043	702	704	709	rVB4	3666	3615	0.06%	0.015%
19	6.123	715	719	720	rBV3	5991	6545	0.10%	0.027%
20	6.145	720	723	729	rVV	50590	50080	0.79%	0.210%
21	6.182	729	730	733	rVB2	5382	3368	0.05%	0.014%
22	6.214	733	736	740	rBV3	10428	11146	0.17%	0.047%
23	6.257	740	744	746	rBV4	5293	7220	0.11%	0.030%
24	6.326	754	757	758	rBV3	9431	7179	0.11%	0.030%
25	6.342	758	760	764	rVB2	15455	12526	0.20%	0.052%
26	6.401	766	771	774	rBV	14686	16326	0.26%	0.068%
27	6.433	774	777	782	rVB3	23705	26260	0.41%	0.110%
28	6.529	790	795	797	rBV4	8547	9302	0.15%	0.039%
29	6.577	801	804	808	rBV4	5651	5920	0.09%	0.025%
30	6.609	808	810	813	rBV4	5265	6691	0.10%	0.028%
31	6.636	813	815	817	rBV3	7497	5157	0.08%	0.022%
32	6.668	818	821	824	rBV	45200	35427	0.56%	0.148%
33	6.711	824	829	834	rVV	326906	285716	4.48%	1.195%
34	6.754	834	837	839	rVV2	30959	23825	0.37%	0.100%
35	6.775	839	841	844	rVB2	16469	11992	0.19%	0.050%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.05 Max Peaks: 250
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

36	6.796	844	845	848	rVB3	7807	5325	0.08%	0.022%
37	6.844	848	854	856	rBV4	16854	27154	0.43%	0.114%
38	6.866	856	858	860	rBV	14063	8076	0.13%	0.034%
39	6.887	860	862	864	rBV	16872	11963	0.19%	0.050%
40	6.914	864	867	868	rBV	16693	15439	0.24%	0.065%
41	6.935	868	871	876	rVB3	42291	41572	0.65%	0.174%
42	6.973	876	878	880	rBV3	10499	7365	0.12%	0.031%
43	6.999	880	883	886	rBV3	11400	14015	0.22%	0.059%
44	7.026	886	888	890	rBV3	5554	3790	0.06%	0.016%
45	7.047	890	892	893	rBV2	24100	17382	0.27%	0.073%
46	7.063	893	895	899	rVB2	37843	31371	0.49%	0.131%
47	7.095	899	901	903	rBV	22437	22257	0.35%	0.093%
48	7.128	904	907	912	rVV5	27093	39863	0.63%	0.167%
49	7.181	912	917	919	rVV4	15011	19692	0.31%	0.082%
50	7.208	919	922	924	rVV3	11799	15026	0.24%	0.063%
51	7.234	924	927	929	rVV4	21708	25310	0.40%	0.106%
52	7.256	929	931	935	rVV3	21483	22372	0.35%	0.094%
53	7.282	935	936	938	rVB2	12564	6266	0.10%	0.026%
54	7.309	938	941	943	rBV3	12210	12564	0.20%	0.053%
55	7.331	943	945	947	rVV3	13112	11679	0.18%	0.049%
56	7.357	947	950	952	rVB4	12226	13010	0.20%	0.054%
57	7.389	952	956	958	rBV4	21673	23401	0.37%	0.098%
58	7.411	958	960	963	rVV3	9520	10665	0.17%	0.045%
59	7.443	963	966	968	rVV4	8601	9056	0.14%	0.038%
60	7.480	968	973	975	rVV6	21328	24267	0.38%	0.102%
61	7.512	975	979	982	rVV5	16270	23131	0.36%	0.097%
62	7.544	982	985	990	rVV	138034	105059	1.65%	0.440%
63	7.582	990	992	994	rBV3	7465	7524	0.12%	0.031%
64	7.614	994	998	1001	rVV4	30808	34480	0.54%	0.144%
65	7.640	1001	1003	1004	rVV2	11696	9514	0.15%	0.040%
66	7.656	1004	1006	1010	rVB5	10550	13921	0.22%	0.058%
67	7.710	1013	1016	1017	rBV2	15575	15751	0.25%	0.066%
68	7.769	1023	1027	1030	rBV4	22038	27067	0.42%	0.113%
69	7.801	1030	1033	1035	rVV3	15085	16065	0.25%	0.067%
70	7.822	1035	1037	1039	rVB2	11087	8413	0.13%	0.035%
71	7.843	1039	1041	1044	rBV3	13508	12260	0.19%	0.051%
72	7.870	1044	1046	1050	rBV3	42895	38995	0.61%	0.163%
73	7.897	1050	1051	1053	rVB2	8320	4241	0.07%	0.018%
74	7.929	1053	1057	1058	rBV2	70092	73447	1.15%	0.307%
75	7.945	1058	1060	1063	rVB	73228	56615	0.89%	0.237%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.05 Max Peaks: 250
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

76	8.004	1065	1071	1074	rBV	125905	129855	2.04%	0.543%
77	8.046	1074	1079	1082	rVB2	31563	35940	0.56%	0.150%
78	8.084	1082	1086	1088	rBV5	11969	11245	0.18%	0.047%
79	8.127	1088	1094	1097	rBV	348244	326188	5.12%	1.365%
80	8.153	1097	1099	1101	rBV3	25265	21703	0.34%	0.091%
81	8.180	1101	1104	1107	rVB3	30124	35021	0.55%	0.147%
82	8.223	1107	1112	1115	rBV	86865	132338	2.08%	0.554%
83	8.255	1115	1118	1122	rVB2	64519	56345	0.88%	0.236%
84	8.303	1122	1127	1131	rBV	107077	113309	1.78%	0.474%
85	8.340	1131	1134	1138	rVB	167288	163570	2.57%	0.684%
86	8.378	1138	1141	1144	rVB3	31834	29821	0.47%	0.125%
87	8.410	1144	1147	1150	rBV	187461	179458	2.81%	0.751%
88	8.436	1150	1152	1155	rVB	65022	44921	0.70%	0.188%
89	8.463	1155	1157	1159	rVB3	10308	6907	0.11%	0.029%
90	8.490	1159	1162	1165	rBV	148012	182952	2.87%	0.765%
91	8.511	1165	1166	1170	rVB	128978	90248	1.42%	0.378%
92	8.543	1170	1172	1175	rBV3	22024	21683	0.34%	0.091%
93	8.575	1175	1178	1182	rVB2	53928	55468	0.87%	0.232%
94	8.623	1182	1187	1190	rBV2	147602	152619	2.39%	0.639%
95	8.650	1190	1192	1194	rBV	80296	81688	1.28%	0.342%
96	8.671	1194	1196	1199	rVB	16748	17989	0.28%	0.075%
97	8.709	1201	1203	1206	rVB2	82874	78130	1.23%	0.327%
98	8.736	1206	1208	1212	rVV	93027	99787	1.57%	0.418%
99	8.773	1212	1215	1217	rVV3	78086	91677	1.44%	0.384%
100	8.794	1217	1219	1221	rVB	72148	54899	0.86%	0.230%
101	8.842	1225	1228	1230	rBV2	35166	30416	0.48%	0.127%
102	8.864	1230	1232	1236	rVB3	106890	91163	1.43%	0.381%
103	8.901	1236	1239	1245	rVB4	93604	132184	2.07%	0.553%
104	8.944	1245	1247	1249	rBV	32854	30194	0.47%	0.126%
105	8.987	1249	1255	1263	rVB2	115981	204661	3.21%	0.856%
106	9.061	1263	1269	1272	rBV3	97130	124467	1.95%	0.521%
107	9.088	1272	1274	1275	rBV	19349	14946	0.23%	0.063%
108	9.104	1275	1277	1280	rVB	37992	31440	0.49%	0.132%
109	9.163	1280	1288	1293	rBV4	108635	212504	3.33%	0.889%
110	9.222	1293	1299	1303	rVV4	96445	186593	2.93%	0.781%
111	9.248	1303	1304	1309	rVB4	81844	100843	1.58%	0.422%
112	9.291	1309	1312	1314	rBV	85521	87116	1.37%	0.364%
113	9.323	1314	1318	1326	rVB5	97282	167622	2.63%	0.701%
114	9.382	1326	1329	1332	rVB3	29491	26948	0.42%	0.113%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

115	9.425	1332	1337	1340	rBV4	58341	81401	1.28%	0.341%
116	9.451	1340	1342	1344	rVB2	35567	27811	0.44%	0.116%
117	9.489	1344	1349	1353	rVB2	48798	75041	1.18%	0.314%
118	9.516	1353	1354	1358	rVB4	19248	13063	0.20%	0.055%
119	9.558	1358	1362	1363	rBV2	26644	28989	0.45%	0.121%
120	9.580	1363	1366	1370	rBV	300669	277774	4.36%	1.162%
121	9.612	1370	1372	1374	rBV2	21276	18103	0.28%	0.076%
122	9.660	1374	1381	1385	rVB2	115143	193822	3.04%	0.811%
123	9.703	1385	1389	1392	rBV2	134728	197186	3.09%	0.825%
124	9.735	1392	1395	1397	rVV2	86332	105918	1.66%	0.443%
125	9.751	1397	1398	1405	rVB2	78886	136003	2.13%	0.569%
126	9.804	1405	1408	1411	rBV3	54486	56634	0.89%	0.237%
127	9.836	1411	1414	1417	rBV4	67676	87713	1.38%	0.367%
128	9.863	1417	1419	1428	rVB7	46171	85430	1.34%	0.357%
129	9.943	1428	1434	1436	rBV2	88643	127728	2.00%	0.534%
130	9.975	1436	1440	1442	rBV3	32378	28898	0.45%	0.121%
131	10.028	1447	1450	1456	rBV2	56511	90467	1.42%	0.379%
132	10.103	1460	1464	1466	rBV4	16415	21792	0.34%	0.091%
133	10.135	1466	1470	1481	rVB5	99796	243484	3.82%	1.019%
134	10.215	1481	1485	1488	rBV	148694	162760	2.55%	0.681%
135	10.258	1488	1493	1504	rVB2	167761	375701	5.89%	1.572%
136	10.328	1504	1506	1508	rVB3	9197	6277	0.10%	0.026%
137	10.360	1508	1512	1514	rBV2	63214	70910	1.11%	0.297%
138	10.397	1514	1519	1523	rVB	124284	141345	2.22%	0.591%
139	10.466	1523	1532	1534	rBV3	123653	210605	3.30%	0.881%
140	10.499	1537	1538	1542	rVB2	64214	51320	0.80%	0.215%
141	10.552	1545	1548	1551	rBV	66202	72474	1.14%	0.303%
142	10.584	1551	1554	1557	rVV	49411	60470	0.95%	0.253%
143	10.616	1557	1560	1562	rVV	112211	119933	1.88%	0.502%
144	10.643	1562	1565	1569	rVV2	186775	266761	4.18%	1.116%
145	10.675	1569	1571	1573	rVV2	90195	91855	1.44%	0.384%
146	10.702	1573	1576	1580	rVB2	130260	136487	2.14%	0.571%
147	10.760	1580	1587	1591	rBV	306704	467788	7.34%	1.957%
148	10.792	1591	1593	1598	rVV3	174620	252530	3.96%	1.057%
149	10.824	1598	1599	1602	rVB2	76376	44910	0.70%	0.188%
150	10.862	1602	1606	1611	rBV3	126408	205629	3.23%	0.860%
151	10.905	1611	1614	1618	rVV2	98215	117104	1.84%	0.490%
152	10.942	1618	1621	1623	rVV2	63136	63691	1.00%	0.266%
153	10.963	1623	1625	1630	rVV5	66002	114428	1.79%	0.479%

LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On    : 16 Mar 2010  16:24
Operator  : AHD
Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF                              Filtering: 5
Sampling  : 1                                 Min Area: 500 Area counts
Start Thrs: 0.05                             Max Peaks: 250
Stop Thrs : 0                            Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method    : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title     : @GCMS_5,mg,625,8270
```

154	11.006	1630	1633	1642	rVV3	128201	229101	3.59%	0.959%
155	11.065	1642	1644	1646	rVV	45353	38724	0.61%	0.162%
156	11.086	1646	1648	1653	rVV2	55716	75911	1.19%	0.318%
157	11.134	1653	1657	1660	rVV3	85576	131857	2.07%	0.552%
158	11.166	1660	1663	1666	rVV2	115363	138950	2.18%	0.581%
159	11.204	1666	1670	1674	rVV	364329	417588	6.55%	1.747%
160	11.241	1674	1677	1682	rVV2	137706	201619	3.16%	0.844%
161	11.289	1682	1686	1690	rVV	216924	261790	4.11%	1.095%
162	11.327	1690	1693	1694	rVV2	40586	36849	0.58%	0.154%
163	11.353	1694	1698	1700	rVV2	87385	112592	1.77%	0.471%
164	11.396	1700	1706	1715	rVV3	167488	338344	5.31%	1.416%
165	11.471	1715	1720	1724	rVV4	65262	131909	2.07%	0.552%
166	11.503	1724	1726	1729	rVV2	60080	61693	0.97%	0.258%
167	11.540	1729	1733	1737	rVV5	50093	93299	1.46%	0.390%
168	11.578	1737	1740	1741	rVV	71599	74069	1.16%	0.310%
169	11.599	1741	1744	1750	rVB2	99625	131009	2.05%	0.548%
170	11.658	1750	1755	1757	rBV3	40435	69560	1.09%	0.291%
171	11.679	1757	1759	1763	rVV3	72602	75523	1.18%	0.316%
172	11.722	1763	1767	1770	rVV	238625	264250	4.14%	1.106%
173	11.754	1770	1773	1777	rVV4	72926	115186	1.81%	0.482%
174	11.791	1777	1780	1783	rVB2	62856	64764	1.02%	0.271%
175	11.829	1783	1787	1791	rBV	219562	229315	3.60%	0.959%
176	11.866	1791	1794	1799	rVV	192228	209316	3.28%	0.876%
177	11.925	1799	1805	1808	rVV3	75402	99929	1.57%	0.418%
178	11.968	1809	1813	1815	rBV	39758	48682	0.76%	0.204%
179	12.021	1820	1823	1824	rBV3	13341	15061	0.24%	0.063%
180	12.090	1833	1836	1838	rBV2	35601	40244	0.63%	0.168%
181	12.112	1838	1840	1843	rVV	41441	48452	0.76%	0.203%
182	12.139	1843	1845	1848	rVB3	45199	39449	0.62%	0.165%
183	12.187	1850	1854	1857	rBV	58481	72438	1.14%	0.303%
184	12.256	1864	1867	1870	rBV2	46219	52238	0.82%	0.219%
185	12.283	1870	1872	1875	rVB	70949	61029	0.96%	0.255%
186	12.326	1876	1880	1883	rBV2	97192	117962	1.85%	0.494%
187	12.352	1883	1885	1888	rVB	69348	56992	0.89%	0.238%
188	12.416	1894	1897	1902	rBV3	54754	90325	1.42%	0.378%
189	12.459	1902	1905	1909	rVV3	69494	86816	1.36%	0.363%
190	12.497	1909	1912	1917	rVB3	55922	60211	0.94%	0.252%
191	12.539	1917	1920	1921	rBV2	20026	17328	0.27%	0.073%
192	12.566	1921	1925	1930	rBV4	42801	69757	1.09%	0.292%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

193	12.641	1930	1939	1942	rVV2	260181	396553	6.22%	1.659%
194	12.667	1942	1944	1949	rVB	72704	81113	1.27%	0.339%
195	12.716	1949	1953	1956	rVB3	44180	50451	0.79%	0.211%
196	12.753	1956	1960	1966	rBV5	81610	104909	1.65%	0.439%
197	12.796	1966	1968	1971	rBV2	25101	29152	0.46%	0.122%
198	12.838	1972	1976	1981	rVB5	37185	65106	1.02%	0.272%
199	12.913	1987	1990	1991	rBV3	23947	23423	0.37%	0.098%
200	12.929	1991	1993	1996	rVV	21895	27783	0.44%	0.116%
201	12.999	2001	2006	2009	rBV4	46481	79956	1.25%	0.335%
202	13.031	2009	2012	2017	rVB6	29483	35398	0.56%	0.148%
203	13.073	2017	2020	2021	rBV	29240	28063	0.44%	0.117%
204	13.100	2022	2025	2026	rVV3	47256	54755	0.86%	0.229%
205	13.116	2026	2028	2031	rVV2	94706	89205	1.40%	0.373%
206	13.154	2031	2035	2038	rVB2	43077	51491	0.81%	0.215%
207	13.191	2040	2042	2045	rBV4	16196	18524	0.29%	0.078%
208	13.228	2046	2049	2052	rVB2	38926	36468	0.57%	0.153%
209	13.266	2052	2056	2058	rBV2	28771	36924	0.58%	0.154%
210	13.303	2062	2063	2065	rBV2	15167	10154	0.16%	0.042%
211	13.325	2065	2067	2069	rVV	17983	11816	0.19%	0.049%
212	13.357	2069	2073	2077	rVB3	51158	76787	1.20%	0.321%
213	13.394	2077	2080	2082	rBV4	13677	15831	0.25%	0.066%
214	13.421	2082	2085	2088	rBV3	30881	32809	0.51%	0.137%
215	13.447	2088	2090	2093	rVB3	24243	22557	0.35%	0.094%
216	13.474	2093	2095	2100	rBV5	19379	23833	0.37%	0.100%
217	13.522	2100	2104	2106	rBV	54863	75065	1.18%	0.314%
218	13.581	2112	2115	2119	rBV	39112	42624	0.67%	0.178%
219	13.618	2119	2122	2127	rVB	65785	70408	1.10%	0.295%
220	13.699	2134	2137	2140	rBV	36961	42442	0.67%	0.178%
221	13.763	2147	2149	2154	rVB2	34868	37442	0.59%	0.157%
222	13.843	2160	2164	2166	rBV3	31182	34407	0.54%	0.144%
223	13.912	2174	2177	2180	rBV3	25473	26963	0.42%	0.113%
224	14.008	2193	2195	2198	rBV4	18624	23421	0.37%	0.098%
225	14.137	2215	2219	2222	rVB	25423	29045	0.46%	0.122%
226	14.195	2226	2230	2233	rVB	41537	48438	0.76%	0.203%
227	14.254	2234	2241	2248	rVB	255536	342702	5.38%	1.434%
228	14.404	2266	2269	2272	rBV4	23910	26871	0.42%	0.112%
229	14.553	2294	2297	2300	rVB	23779	24593	0.39%	0.103%
230	14.585	2300	2303	2307	rVB	26447	29483	0.46%	0.123%
231	14.649	2312	2315	2318	rVB3	11850	13971	0.22%	0.058%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

232	14.687	2320	2322	2327	rVB4	18662	18707	0.29%	0.078%
233	14.746	2329	2333	2335	rBV4	14569	19464	0.31%	0.081%
234	14.906	2360	2363	2366	rBV2	24294	27964	0.44%	0.117%
235	15.200	2416	2418	2422	rBV5	13513	21436	0.34%	0.090%
236	15.285	2429	2434	2442	rVB2	46252	84422	1.32%	0.353%
237	15.766	2522	2524	2530	rVB3	21464	25350	0.40%	0.106%
238	15.825	2532	2535	2538	rVB4	10849	10633	0.17%	0.044%
239	16.076	2578	2582	2590	rVB10	20543	39799	0.62%	0.167%
240	16.354	2631	2634	2636	rBV4	6435	7192	0.11%	0.030%

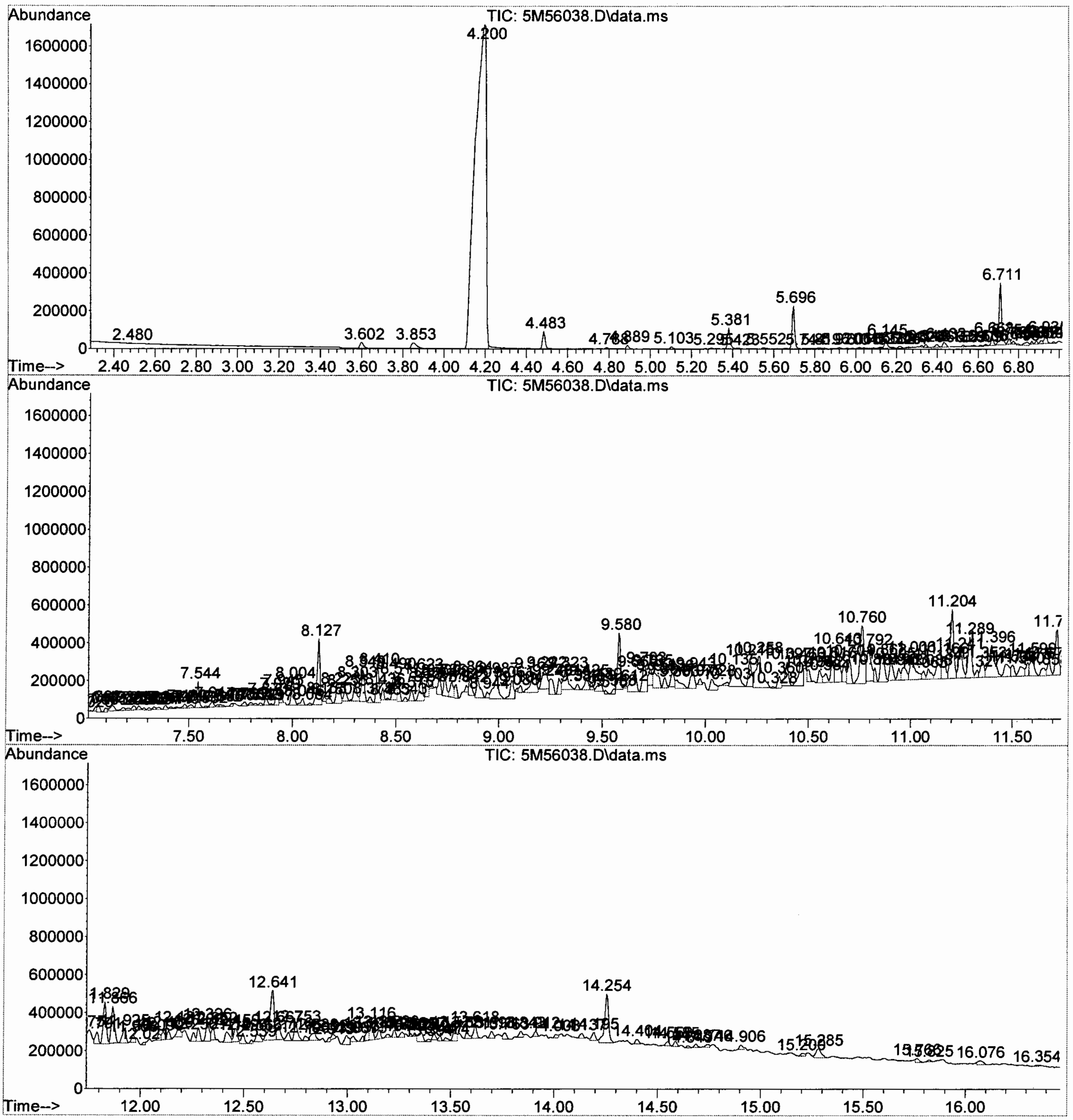
Sum of corrected areas: 23900211

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

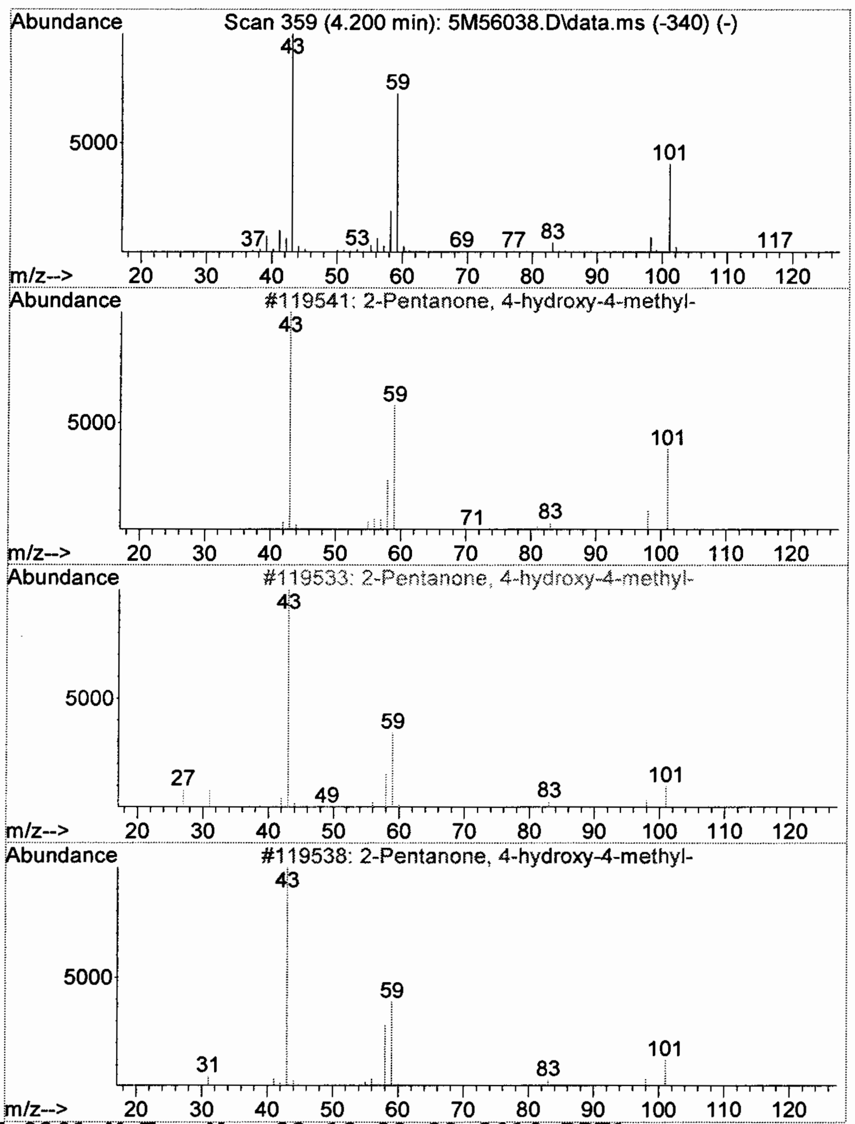
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

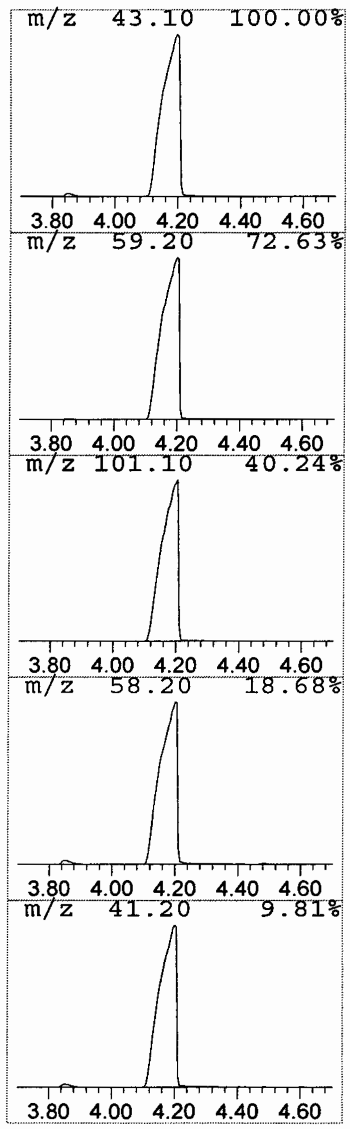
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	1352.81 ng	6375325	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
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	36
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	32





Library Search Compound Report

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Data File : 5M56038.D
Acq On    : 16 Mar 2010  16:24
Operator  : AHD
Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

**********************************************************************
Peak Number  2  Naphthalene, 1,4,6-trimethyl-   Concentration Rank 21
```
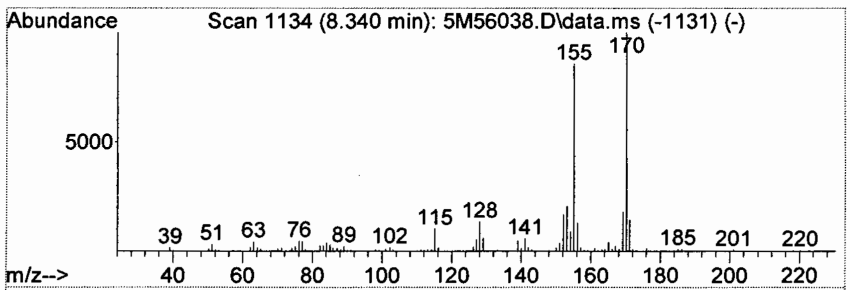
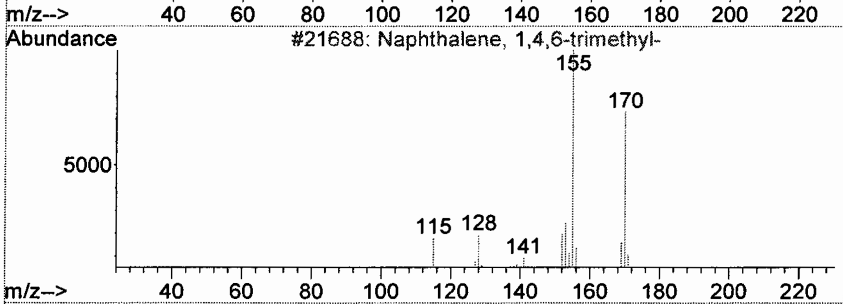
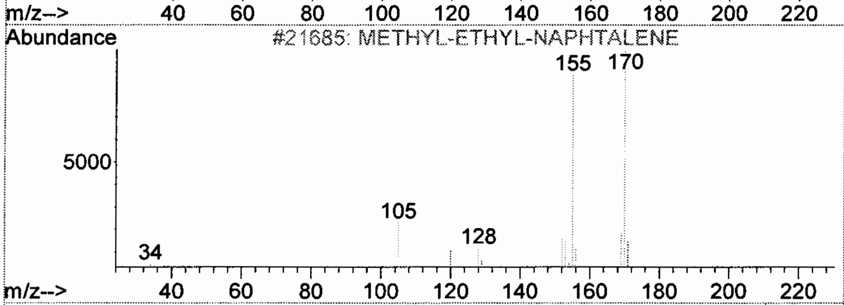
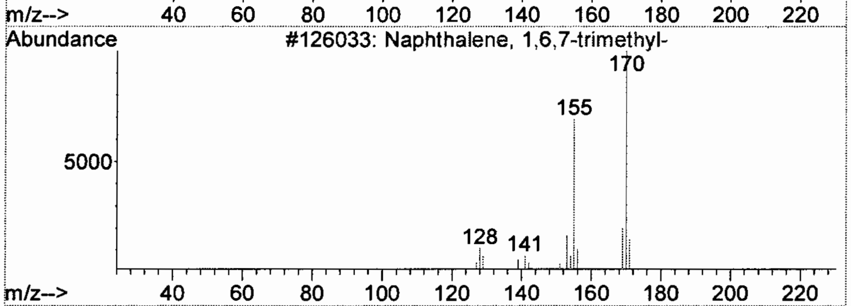

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	20.06 ng	163570	LibIS-Acenaphthene-d10	8.13

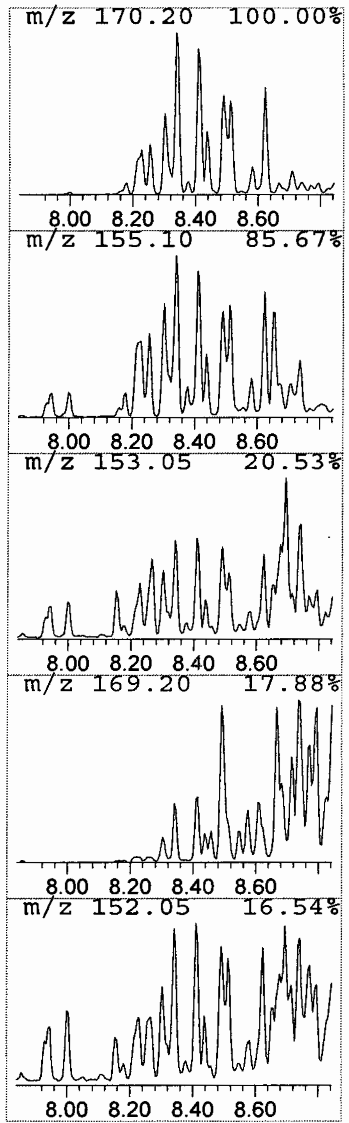
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91











Library Search Compound Report

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Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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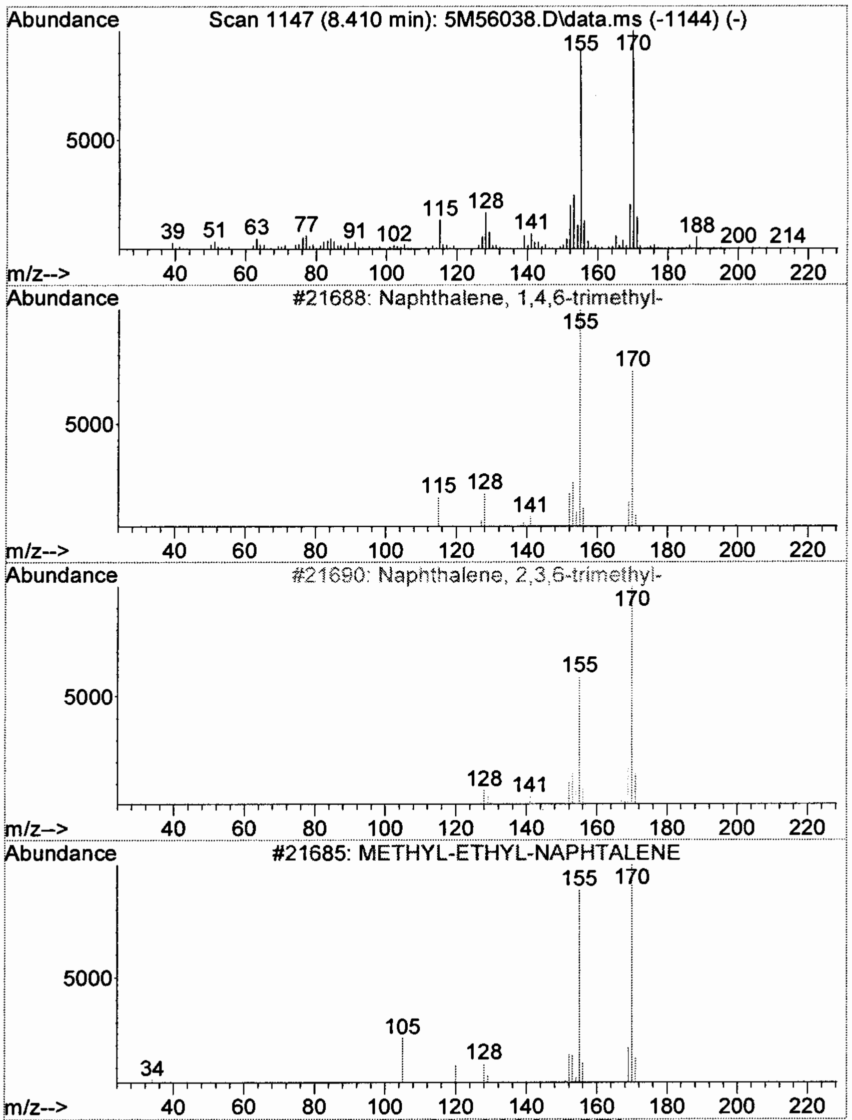
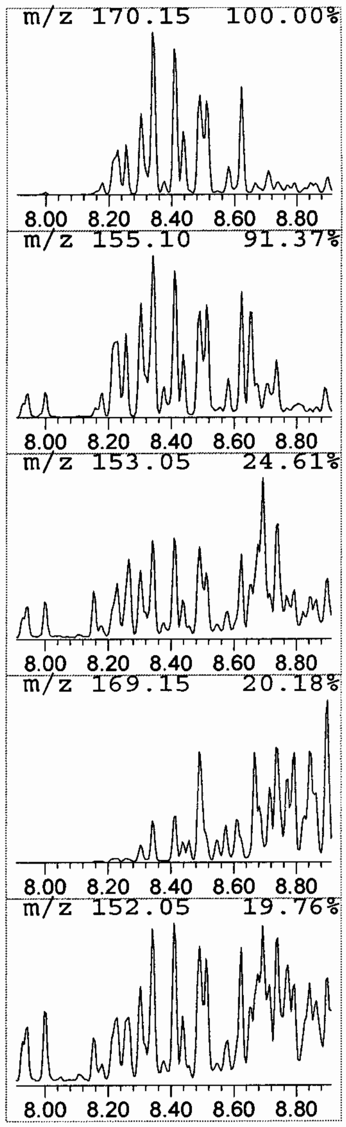
Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	22.01 ng	179458	LibIS-Acenaphthene-d10	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	94





Library Search Compound Report

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Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

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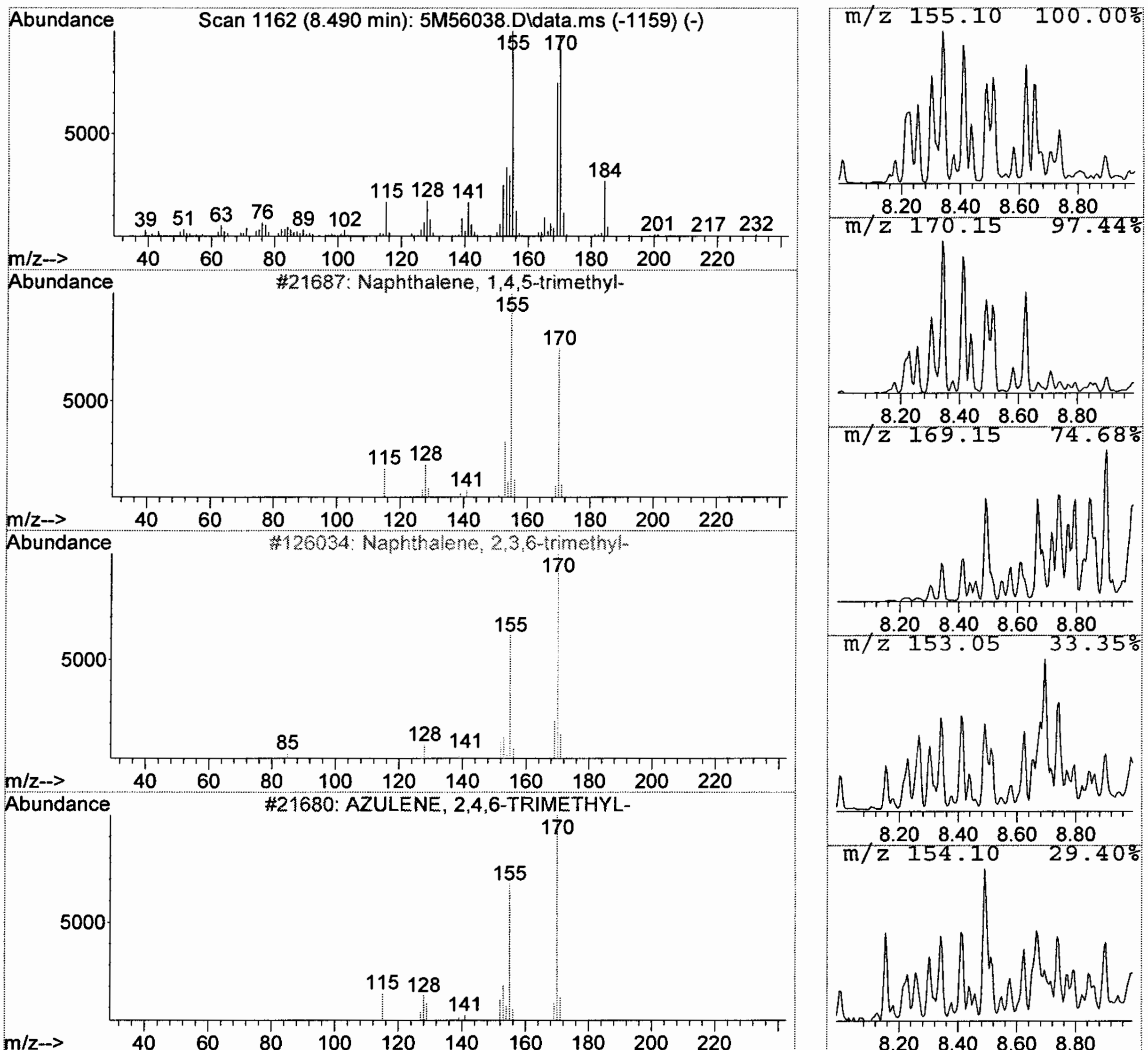
Peak Number  4  Naphthalene, 1,4,5-trimethyl-   Concentration Rank 18
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	22.44 ng	182952	LibIS-Acenaphthene-d10	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	70
4	2-Methylimino-3-methyl-4-isoprop...	170	C8H14N2S	080232-91-3	68
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64



Library Search Compound Report

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Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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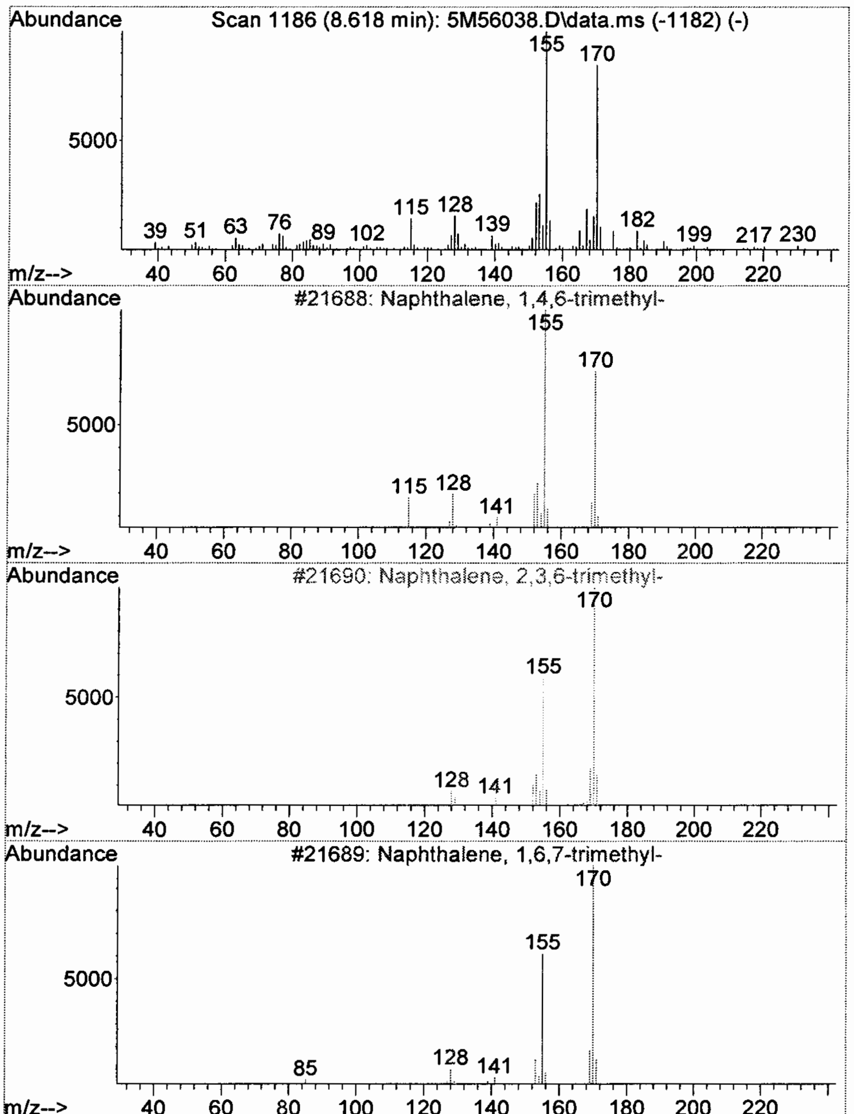
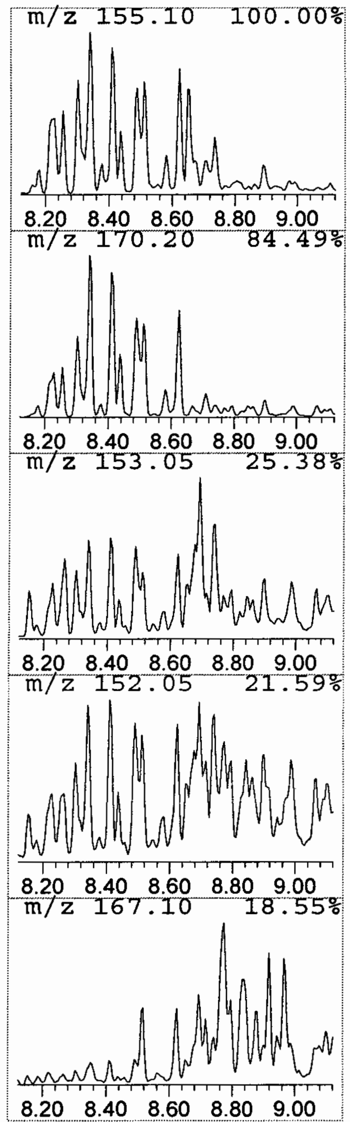
Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	18.72 ng	152619	LibIS-Acenaphthene-d10	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	90
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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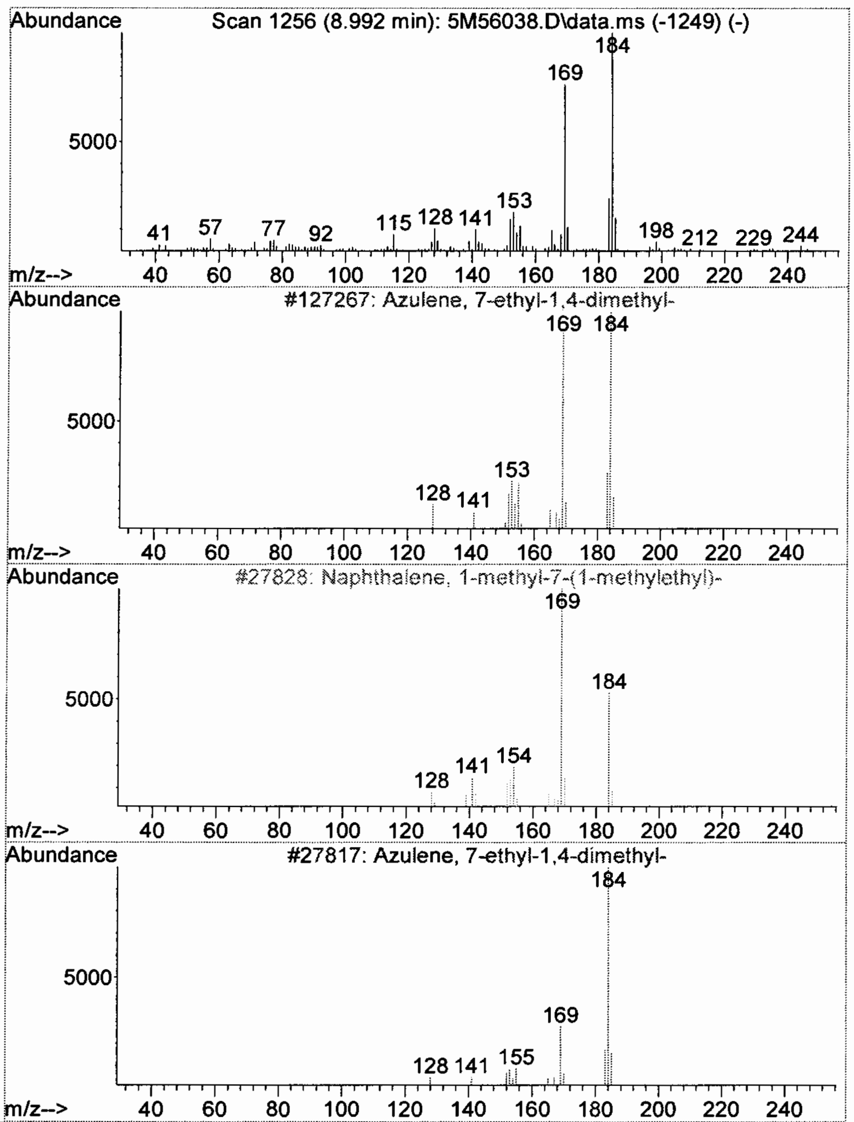
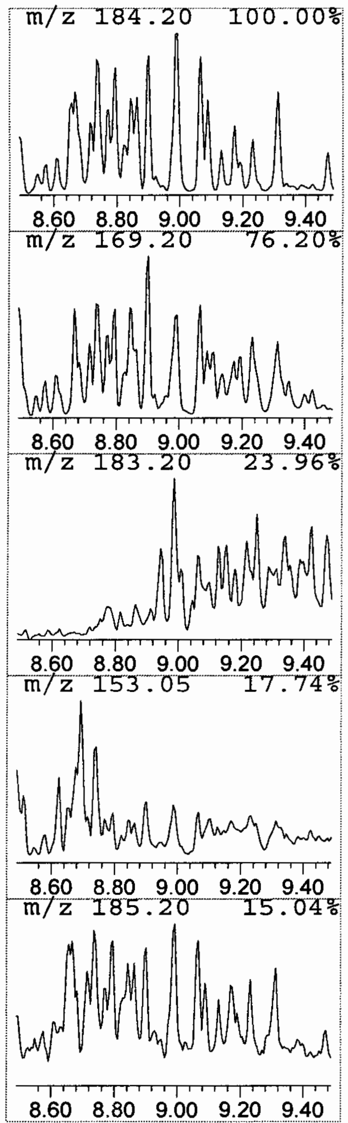
Peak Number 6 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	24.03 ng	204661	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	91
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	70
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	64
4	1,2-DIMETHYL-4-METHYLENE-3-PHENY...	184	C14H16	000000-00-0	62
5	1,5,5-Trimethyl-4-phenyl-cyclope...	184	C14H16	033930-85-7	62





Library Search Compound Report

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Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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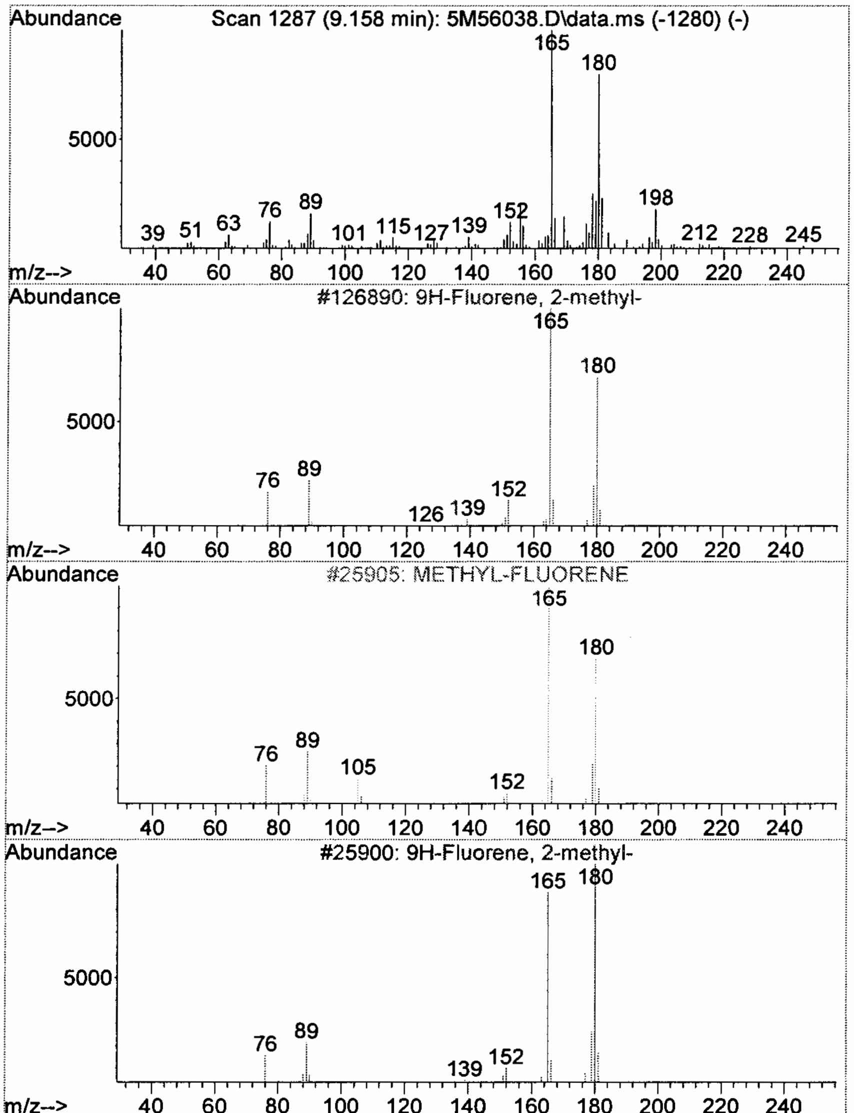
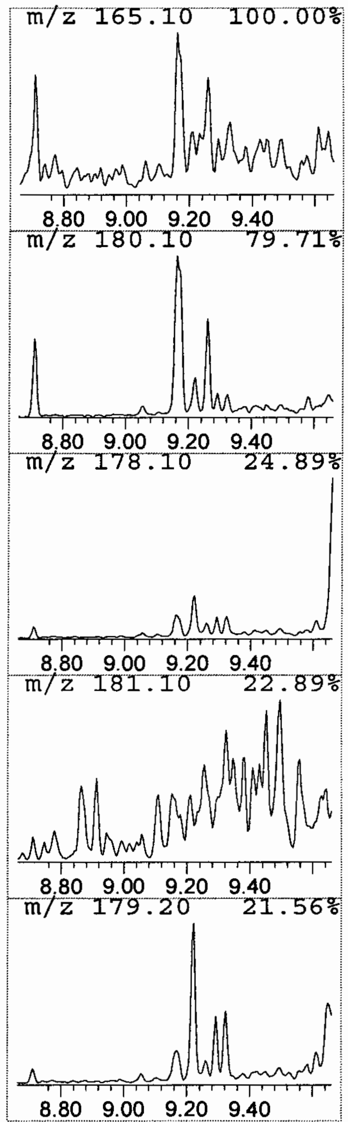
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	24.95 ng	212504	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	METHYL-FLUORENE	180	C14H12	000000-00-0	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86





Library Search Compound Report

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Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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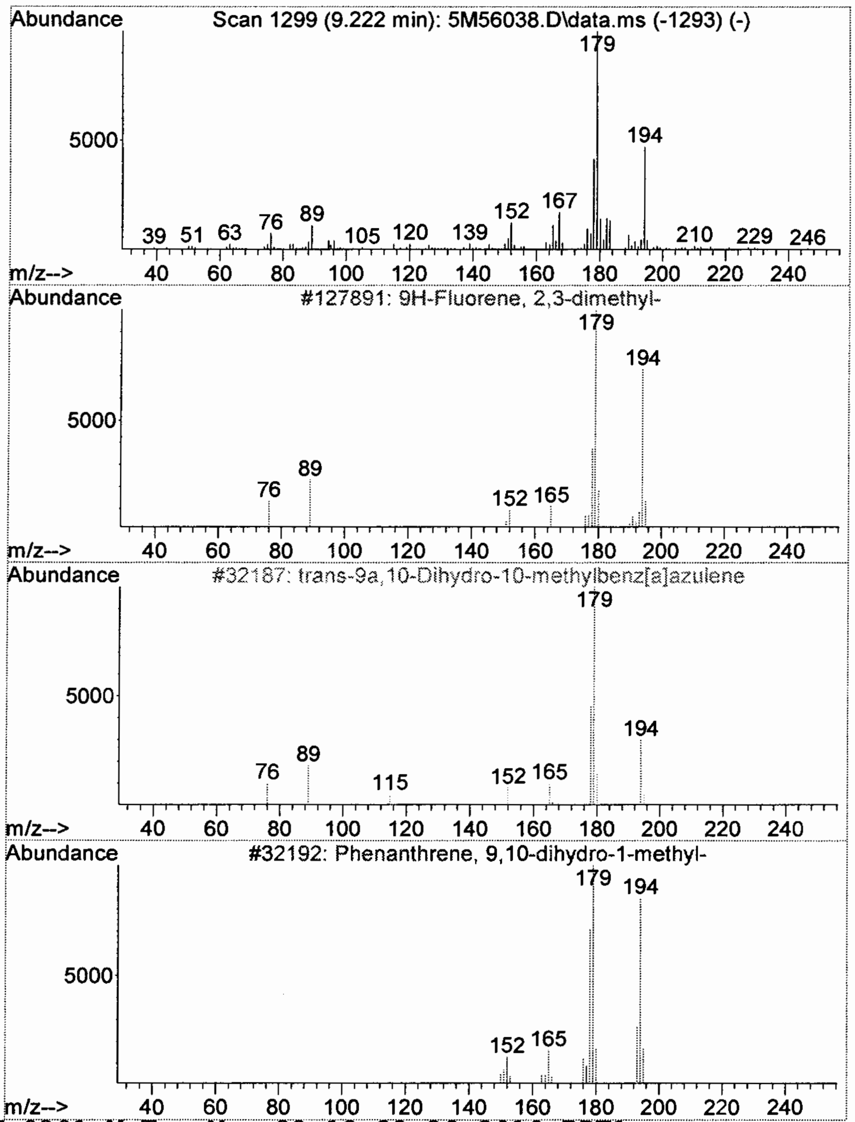
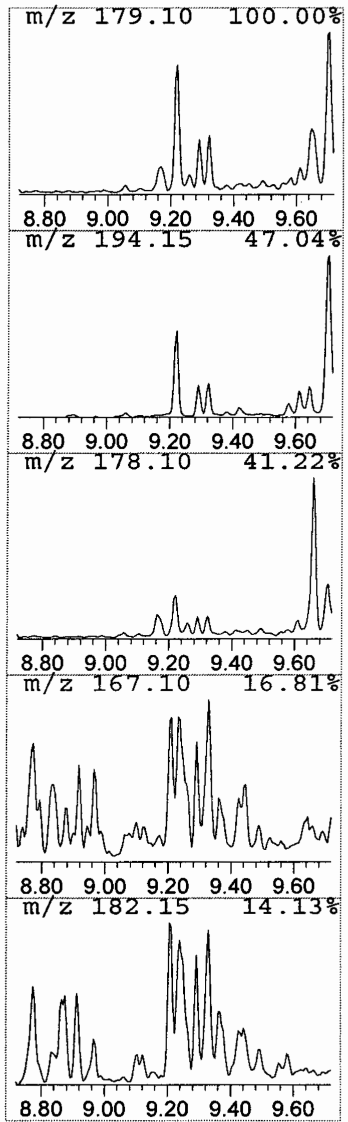
Peak Number 8 9H-Fluorene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	21.90 ng	186593	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	87
2	trans-9a,10-Dihydro-10-methylben...	194	C15H14	069139-17-9	64
3	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	64
4	9,10-DIHYDRO-2-METHYL-ANTHRACENE	194	C15H14	000000-00-0	58
5	9-ACETYL-9,10-DIHYDRO-ANTHRACENE	222	C16H14O	000000-00-0	47





Library Search Compound Report

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Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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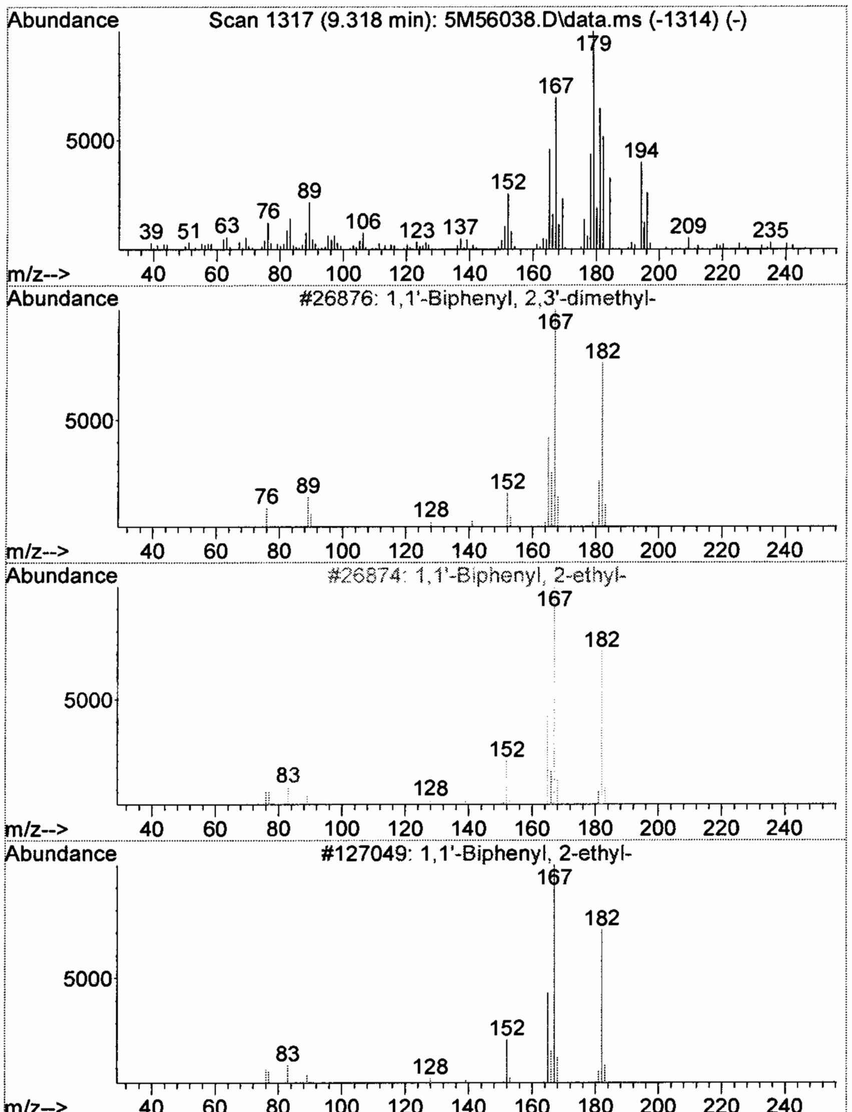
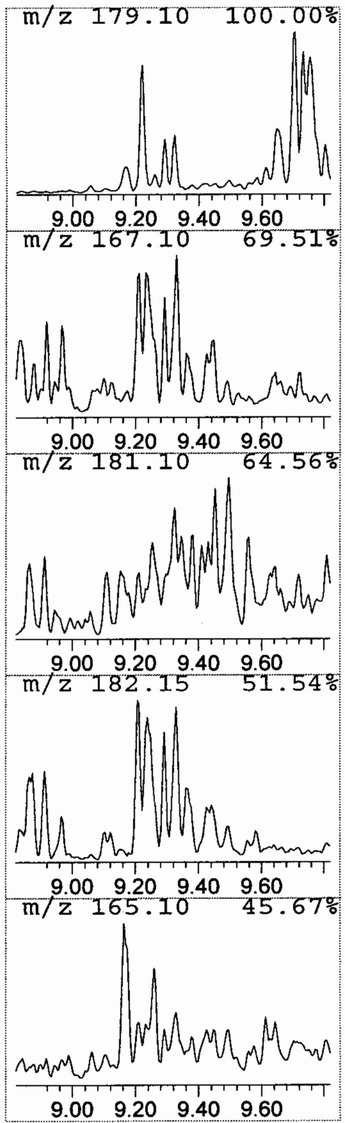
Peak Number 9 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	19.68 ng	167622	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	50
2	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	46
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	46
4	1,1'-Biphenyl, 4,4'-dimethyl-	182	C14H14	000613-33-2	45
5	1,1'-Biphenyl, 4,4'-dimethyl-	182	C14H14	000613-33-2	43





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
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Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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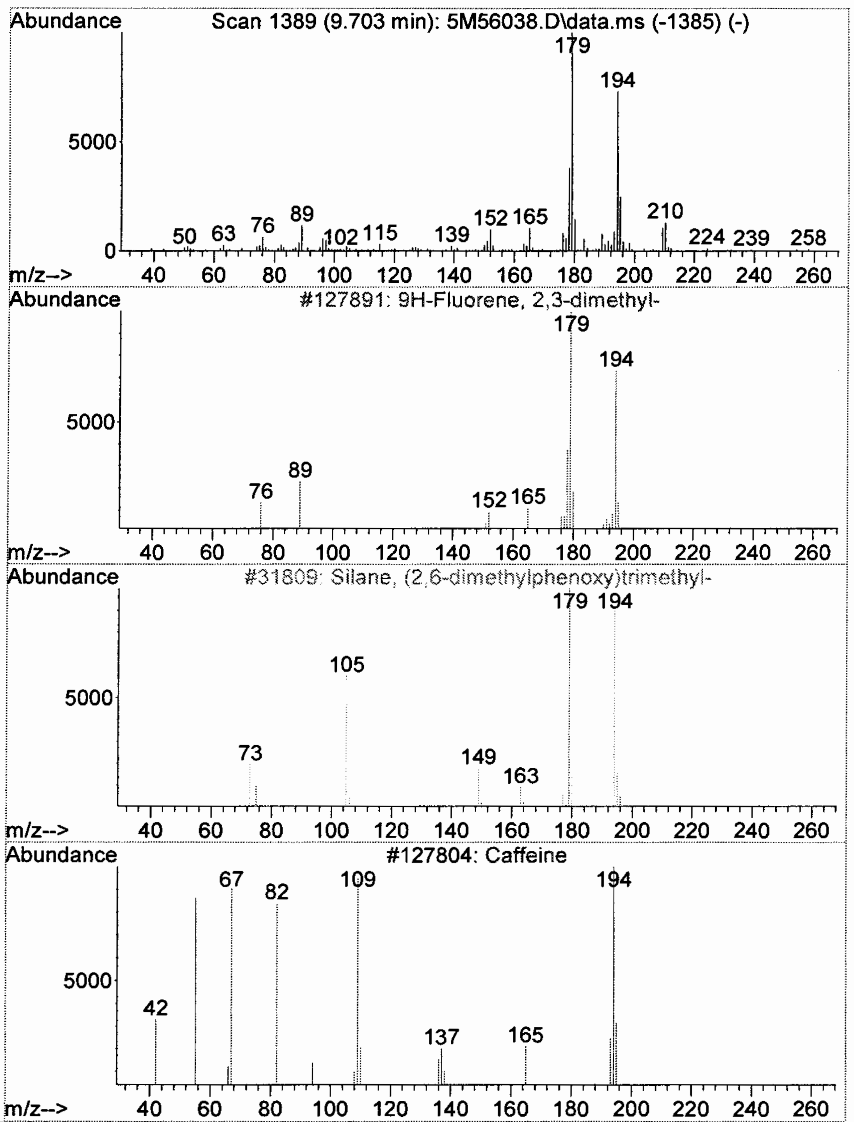
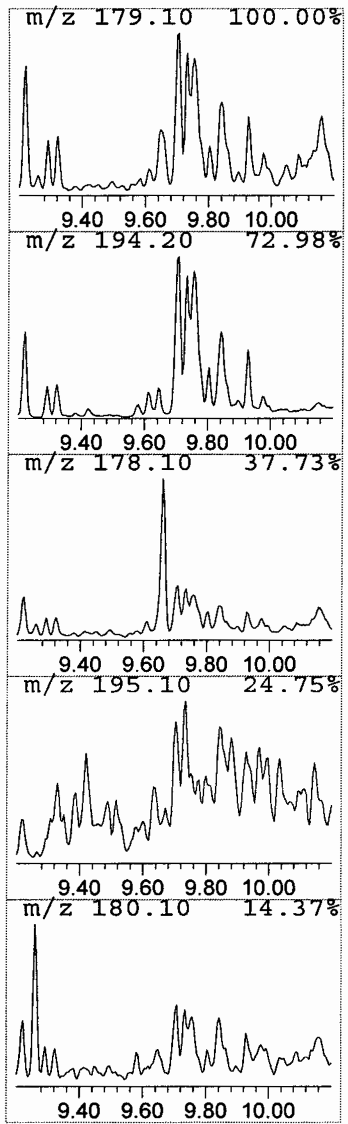
Peak Number 10 9H-Fluorene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	23.15 ng	197186	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	94
2	Silane, (2,6-dimethylphenoxy)tri...	194	C11H18OSi	016286-54-7	58
3	Caffeine	194	C8H10N4O2	000058-08-2	53
4	Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	53
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	52





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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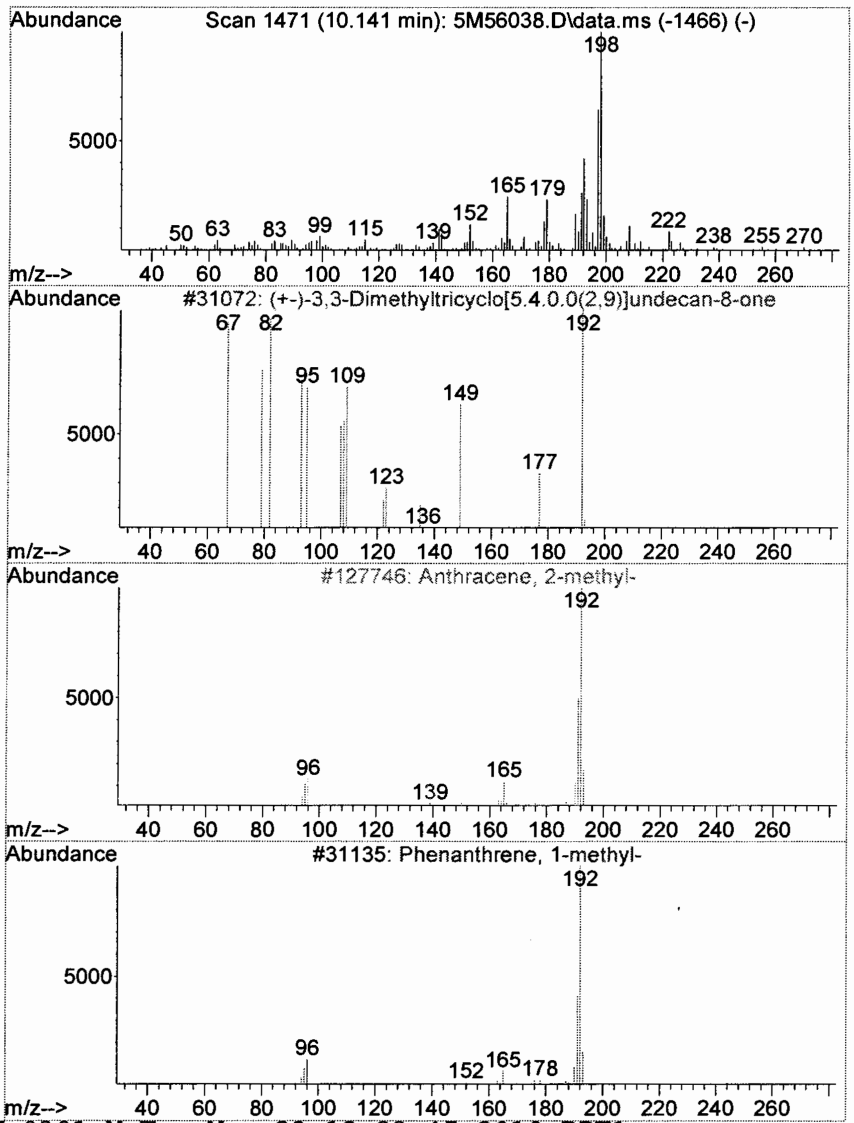
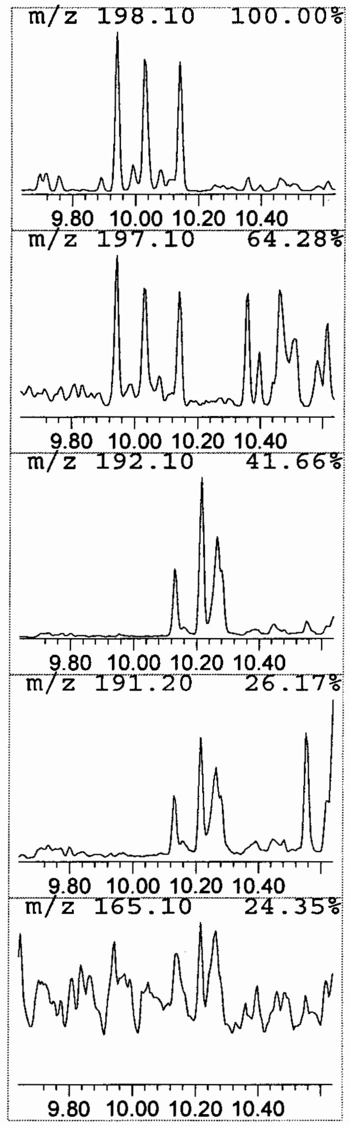
Peak Number 11 (+-)-3,3-Dimethyltricyclo[5... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	28.58 ng	243484	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+-)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	64
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	49
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49





Library Search Compound Report

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Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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Peak Number 12   Anthracene, 2-methyl-   Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	19.11 ng	162760	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
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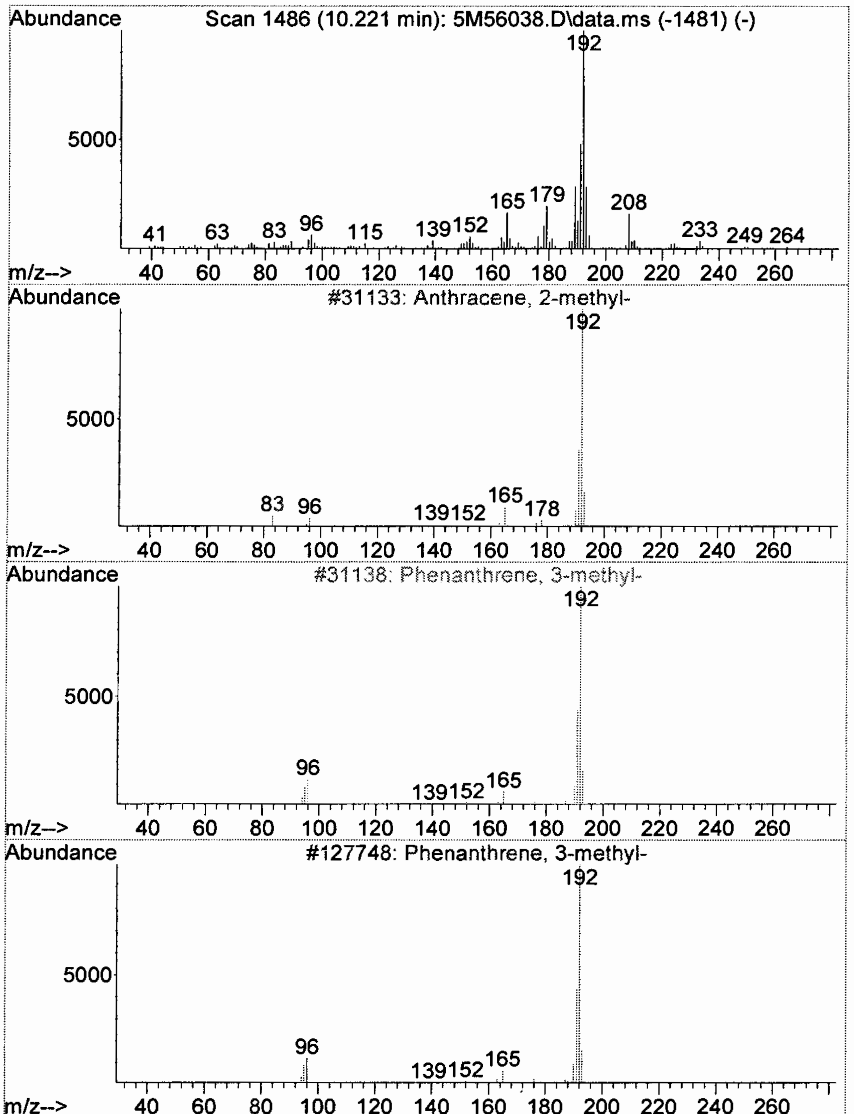

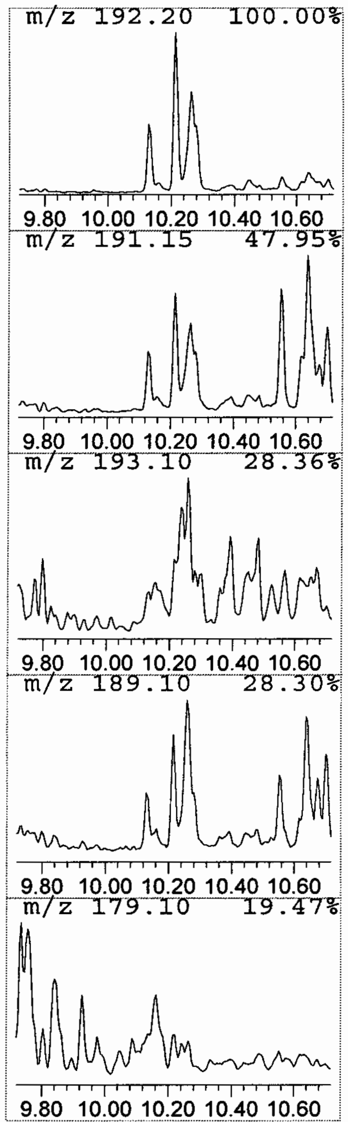

Library Search Compound Report

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Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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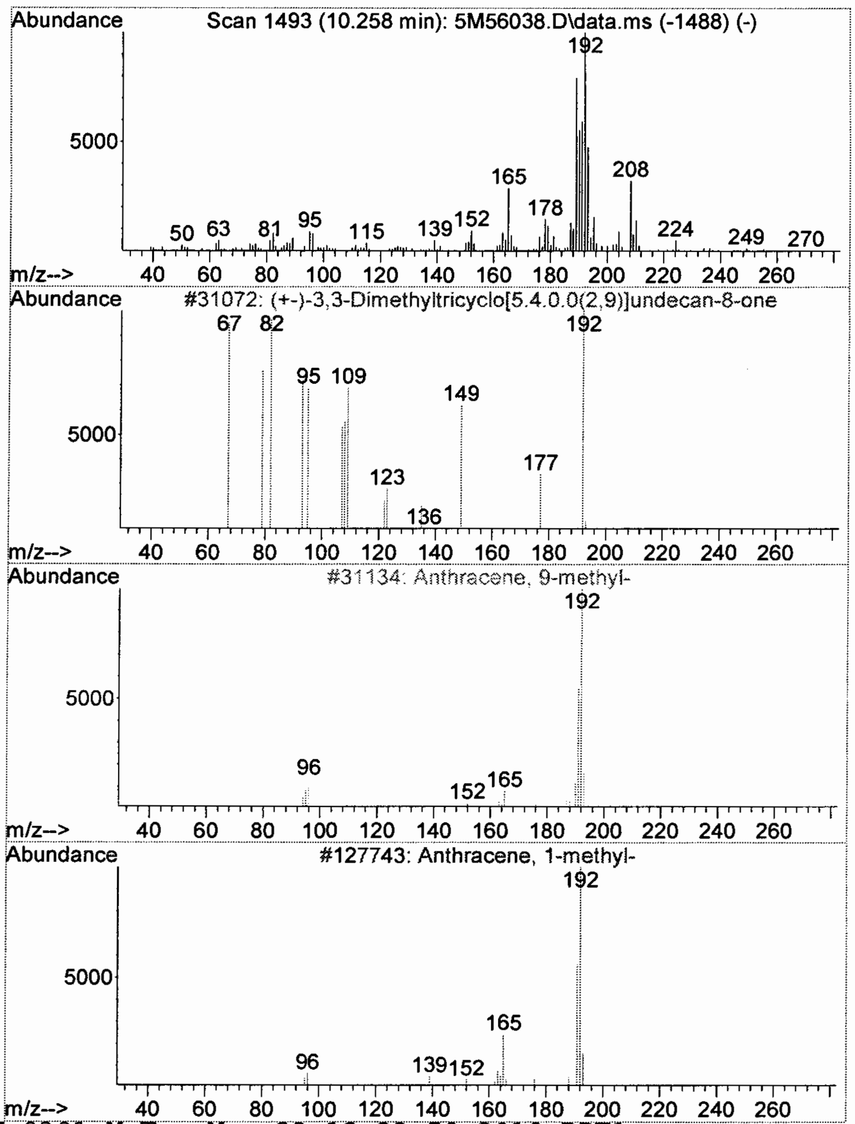
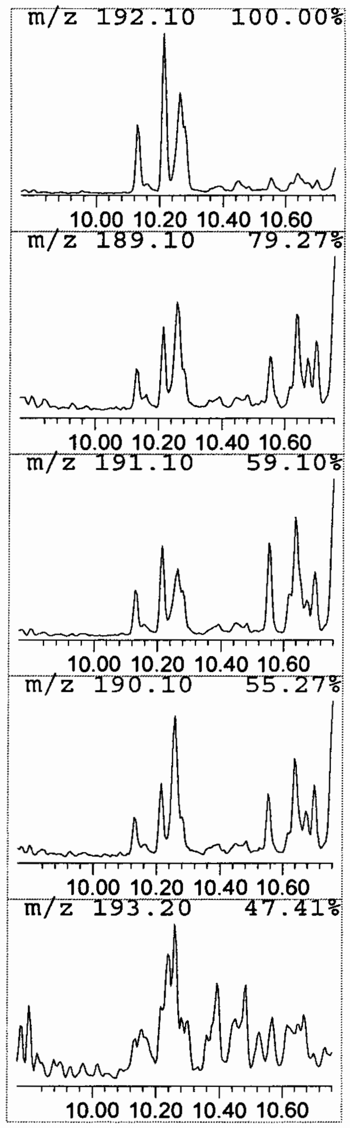
Peak Number 13 (+-)-3,3-Dimethyltricyclo[5... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	44.10 ng	375701	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+-)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	56
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

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Quant Title : @GCMS_5,mg,625,8270

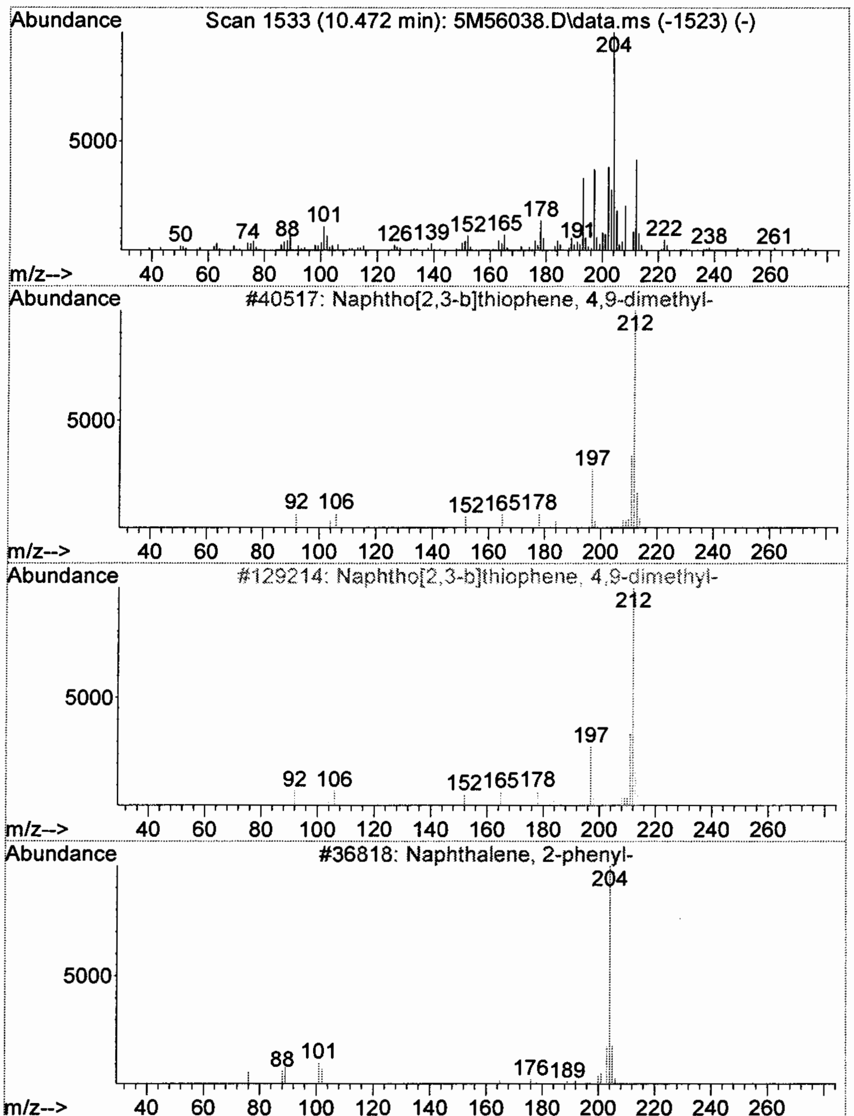
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

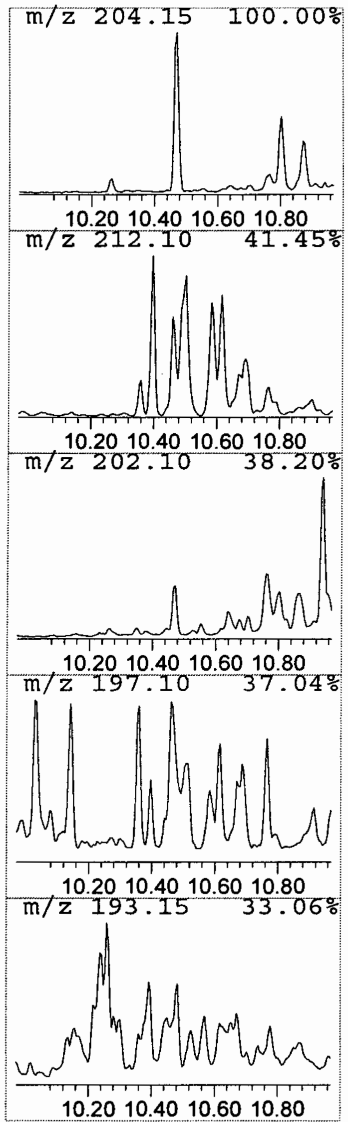
****

Peak Number 14 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	24.72 ng	210605	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	52
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4	3,4-Dimethyldibenzothiophene	212	C14H12S	023654-30-0	30
5	2-PHENYLNAPHTHALENE	204	C16H12	035465-71-5	30





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Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

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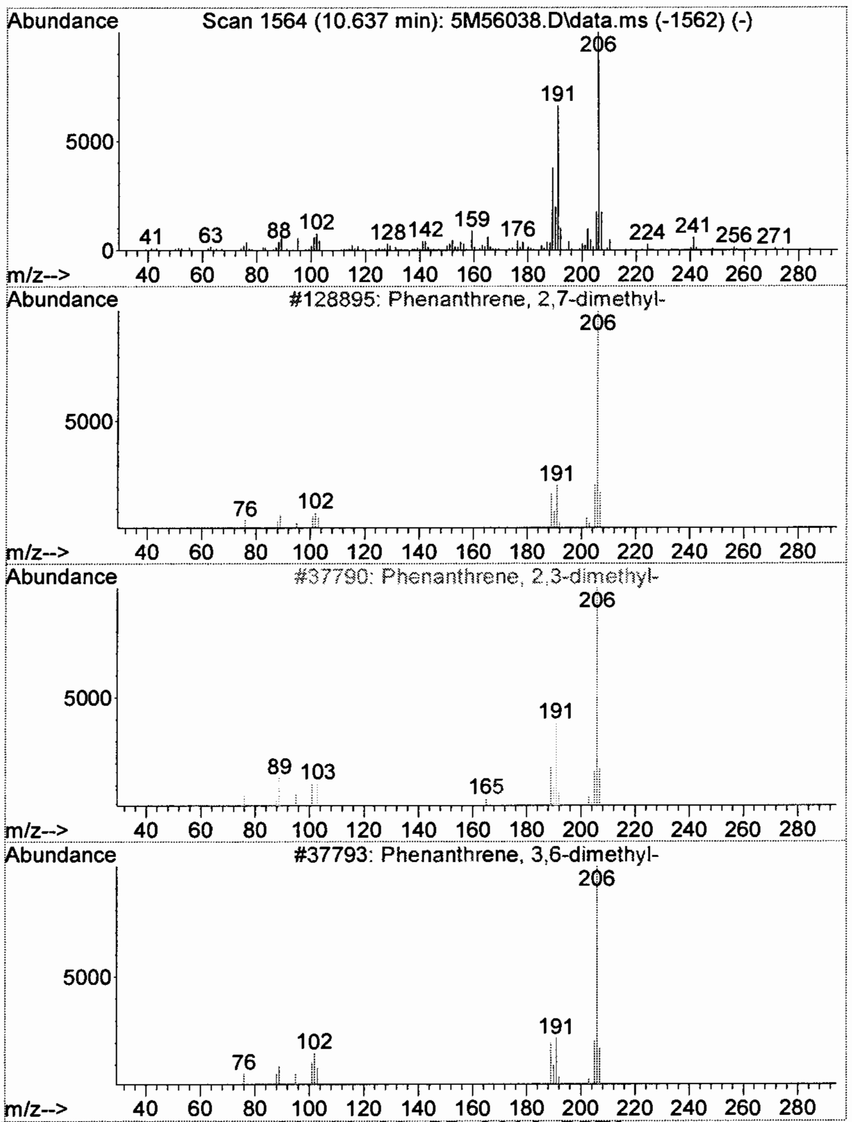
Quant Title : @GCMS_5,mg,625,8270

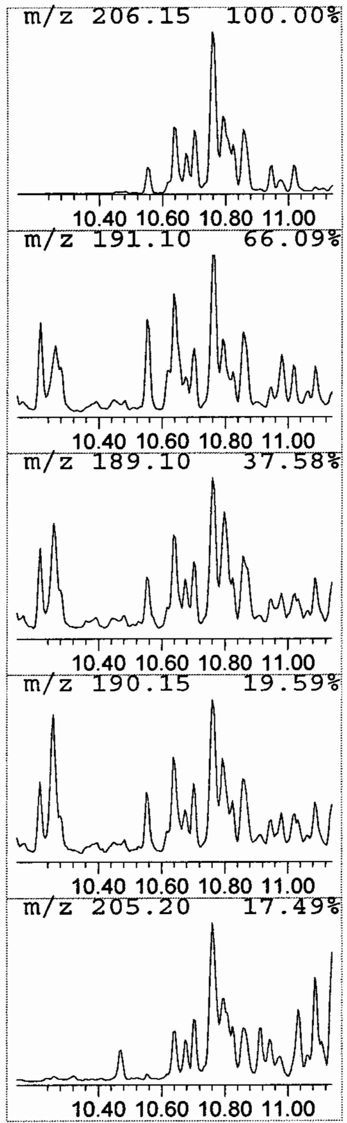
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	31.32 ng	266761	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	62
5	INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	62





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ALS Vial : 18 Sample Multiplier: 1

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Quant Title : @GCMS_5,mg,625,8270

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

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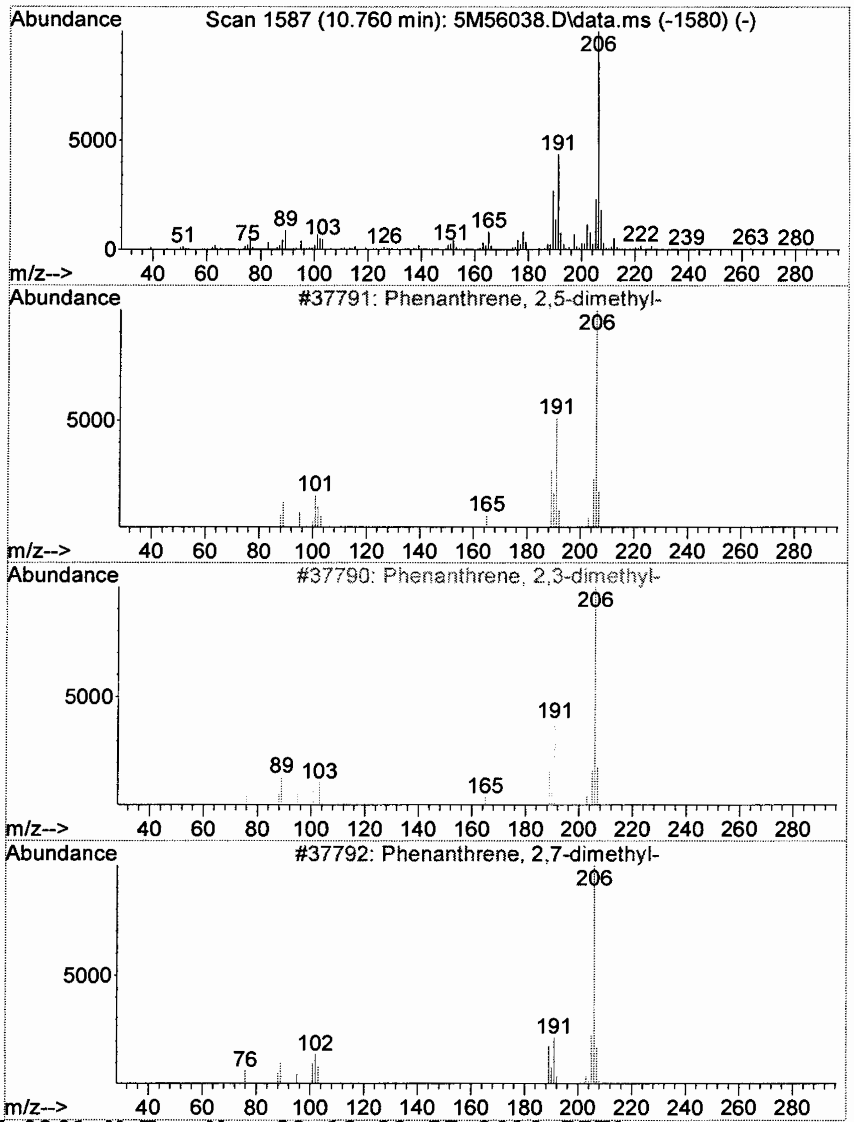
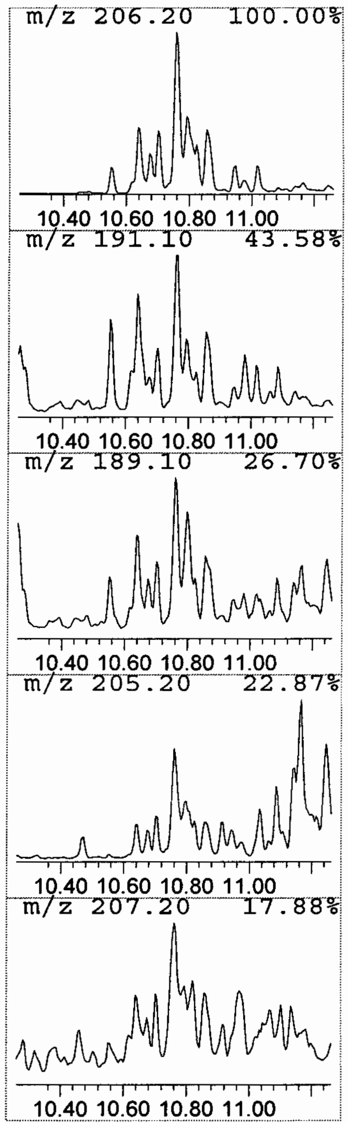
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	54.91 ng	467788	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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ALS Vial  : 18   Sample Multiplier: 1

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Quant Title  : @GCMS_5,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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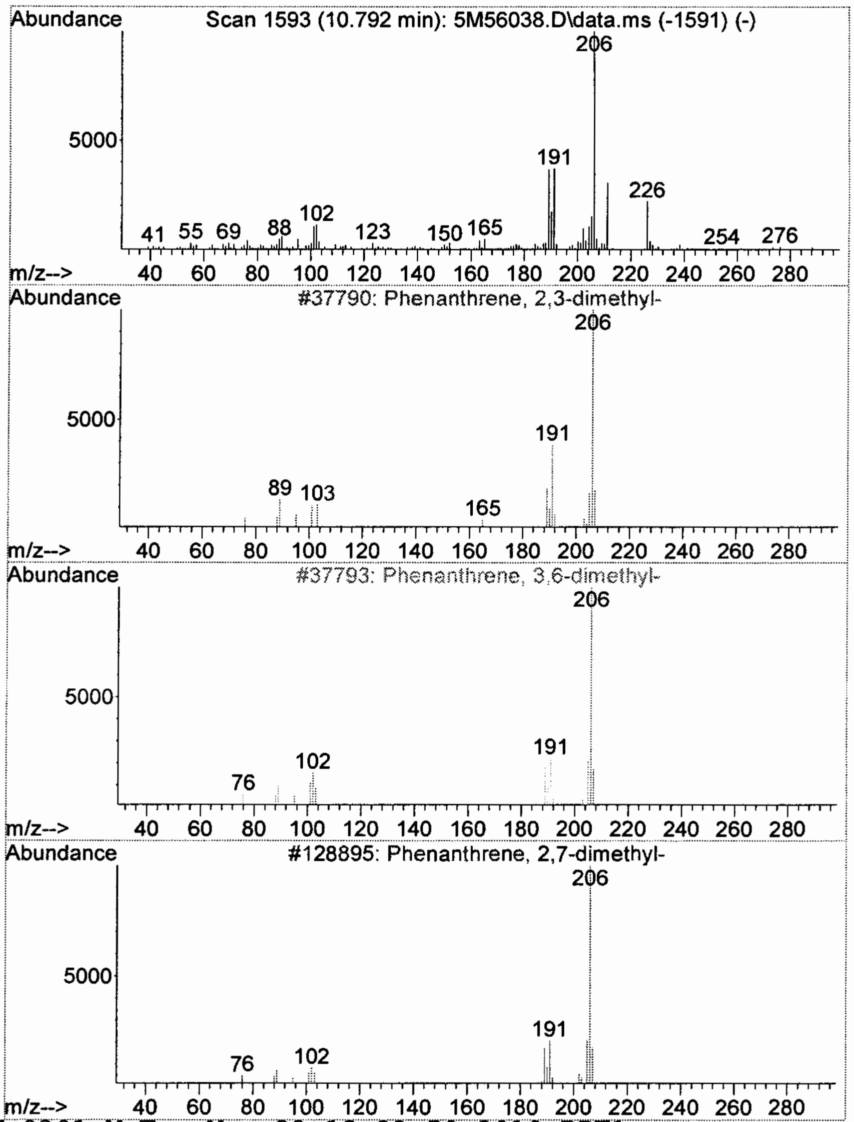
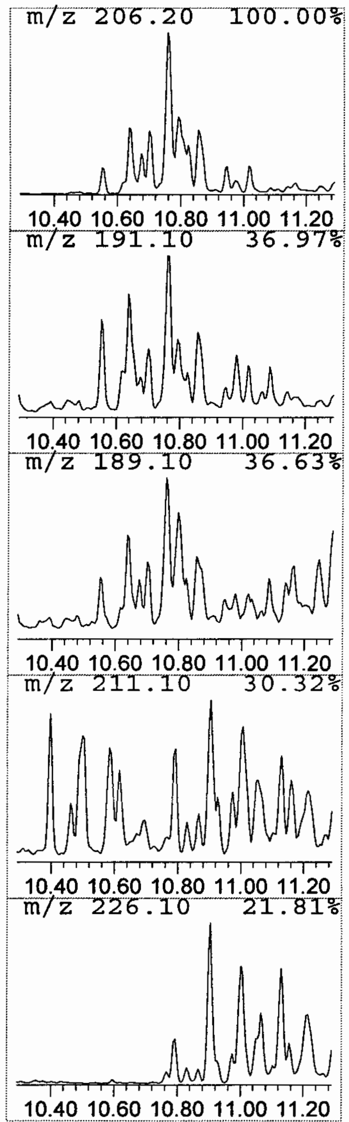
Peak Number 17   Phenanthrene, 2,3-dimethyl-   Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	29.64 ng	252530	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	50
5	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	49





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ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	24.14 ng	205629	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	86
4	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	86
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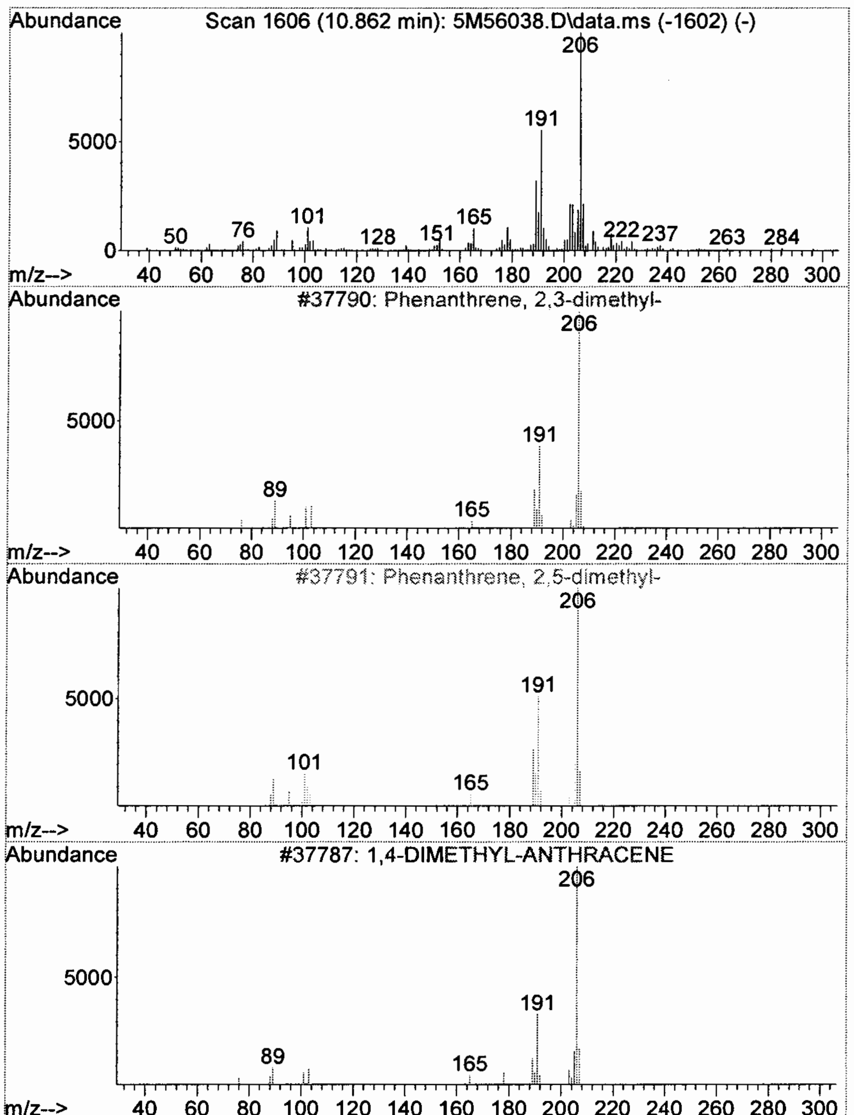

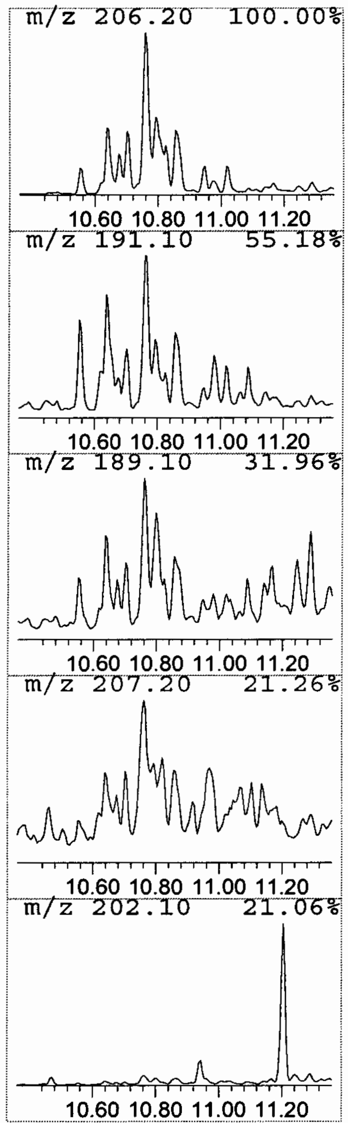

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Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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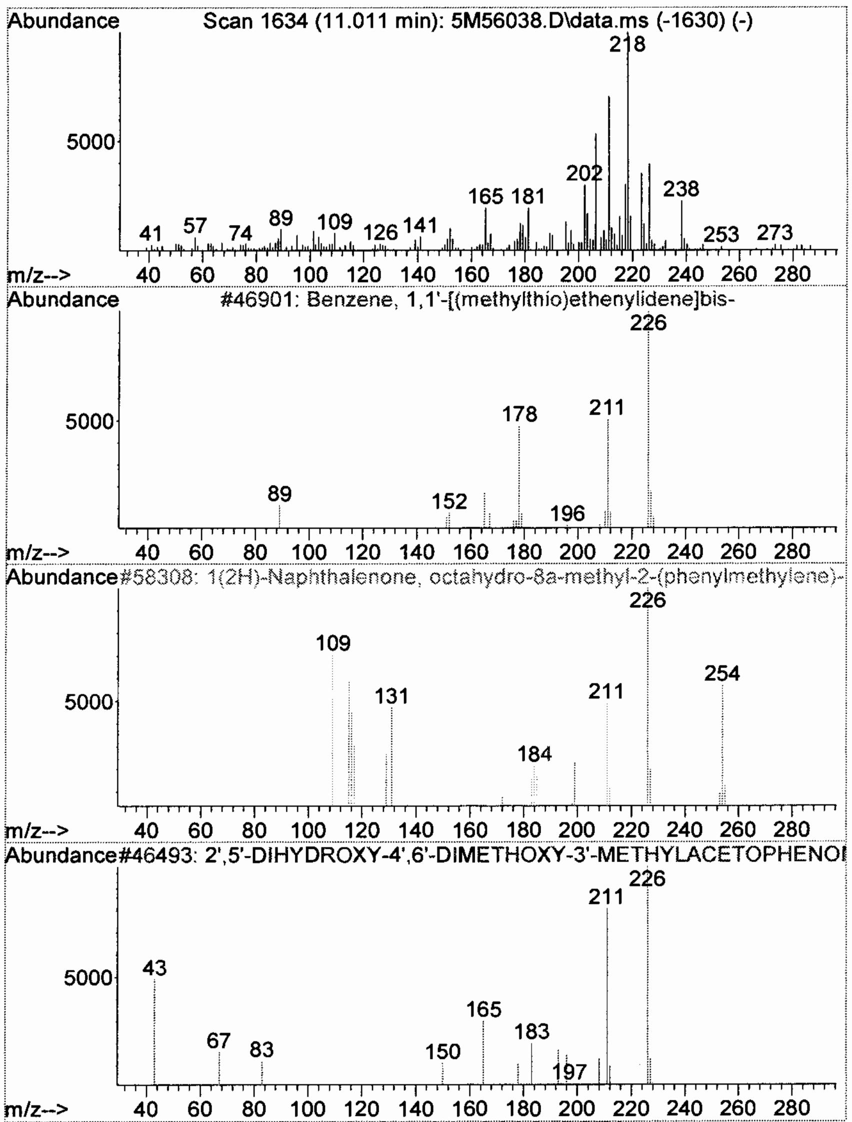
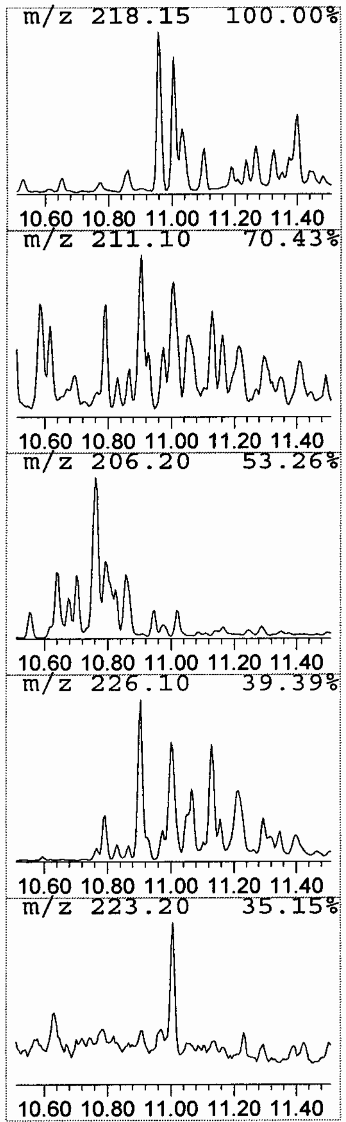
Peak Number 19 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	26.89 ng	229101	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	38
2	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	35
3	2',5'-DIHYDROXY-4',6'-DIMETHOXY-...	226	C11H14O5	000000-00-0	30
4	Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	25
5	Semicarbazone of 3,3,5,5-tetrame...	226	C10H18N4O2	070510-25-7	22





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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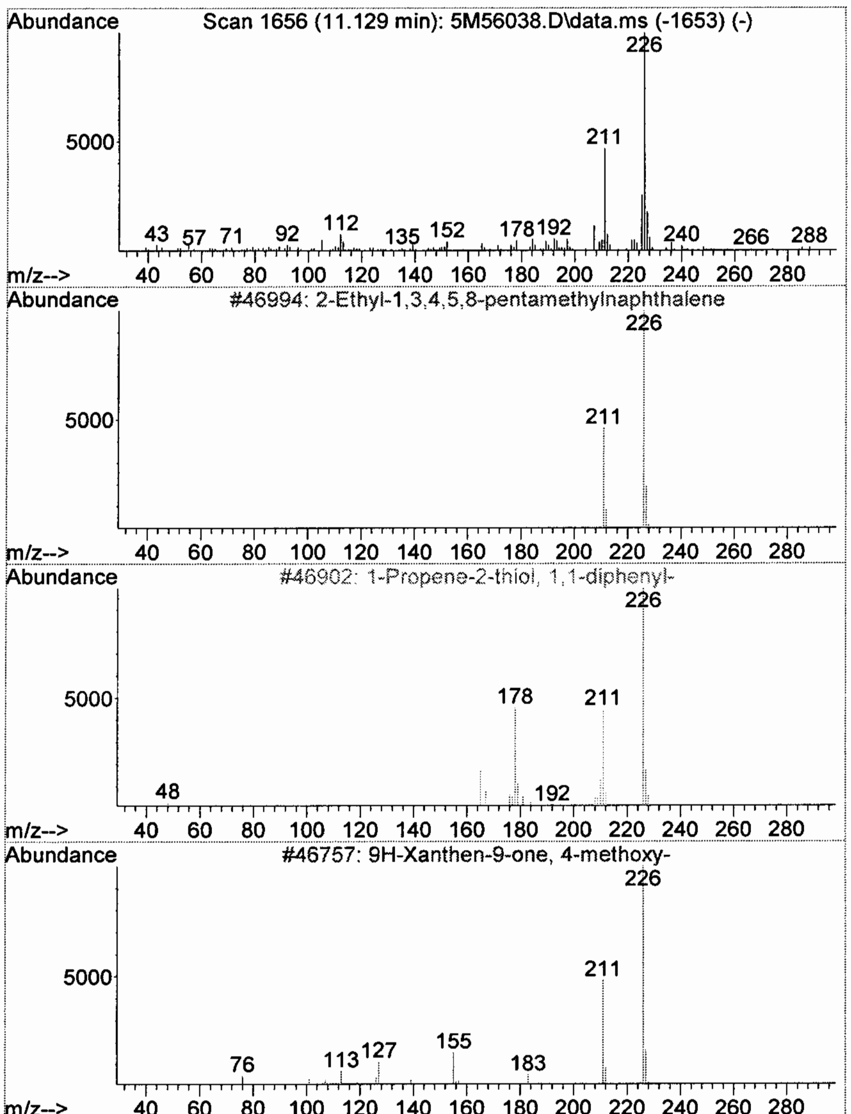
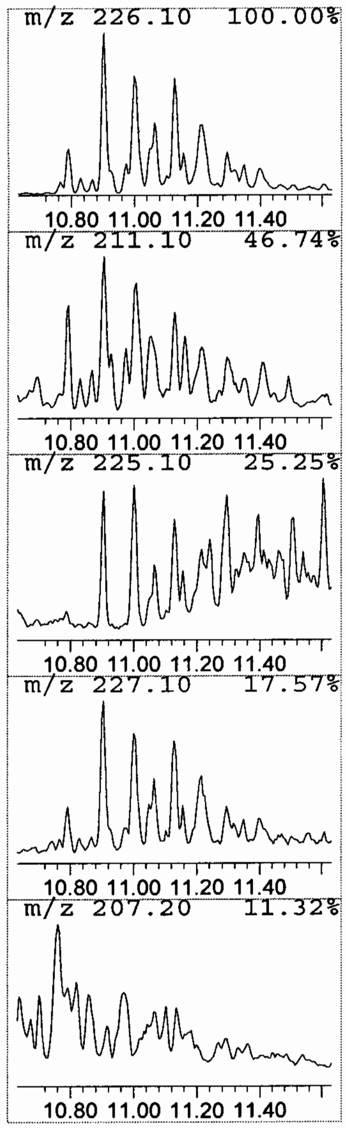
Peak Number 20 unknown Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	17.32 ng	131857	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1,3,4,5,8-pentamethylnap...	226	C17H22	071185-29-0	47
2	1-Propene-2-thiol, 1,1-diphenyl-	226	C15H14S	074630-83-4	27
3	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	27
4	9,10-Dihydro-7,8-dimethyl-4H-ben...	226	C15H14O2	081093-24-5	22
5	2(3H)-Naphthalenone, 4,4a,5,6,7,...	226	C16H18O	018943-13-0	18





Library Search Compound Report

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Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

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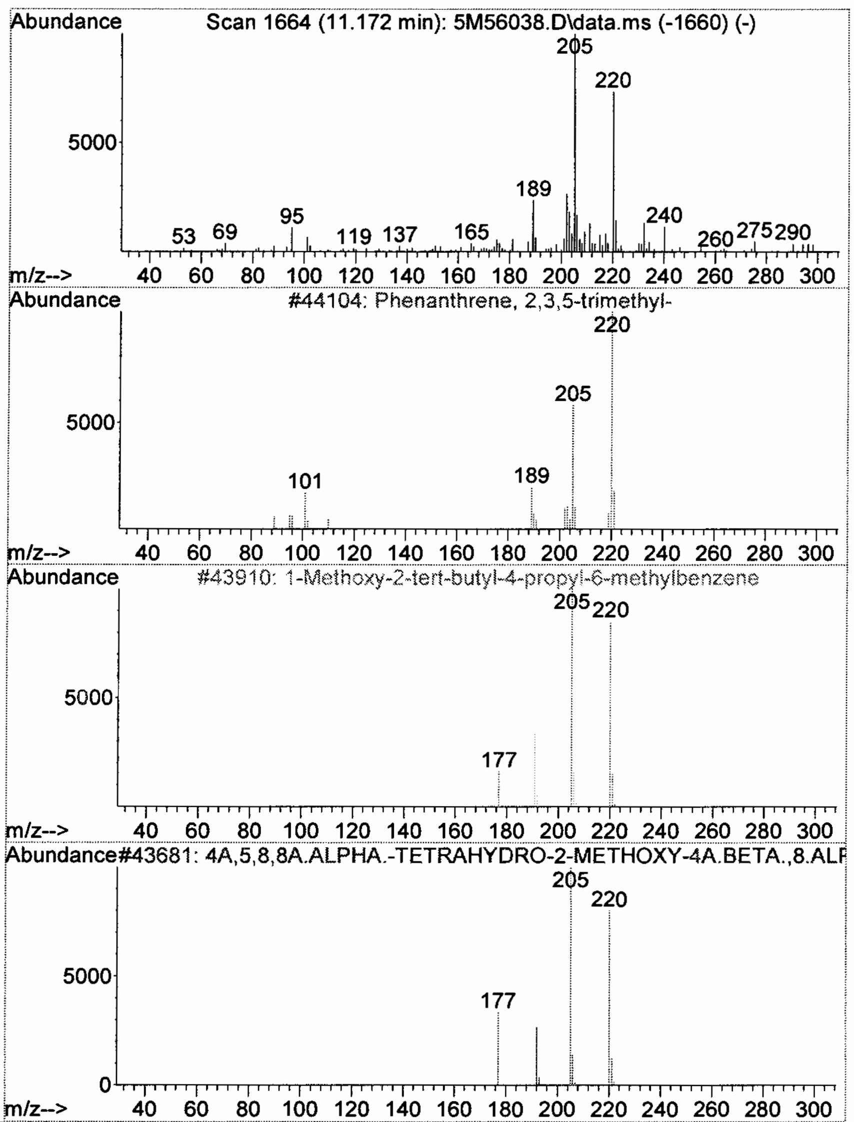
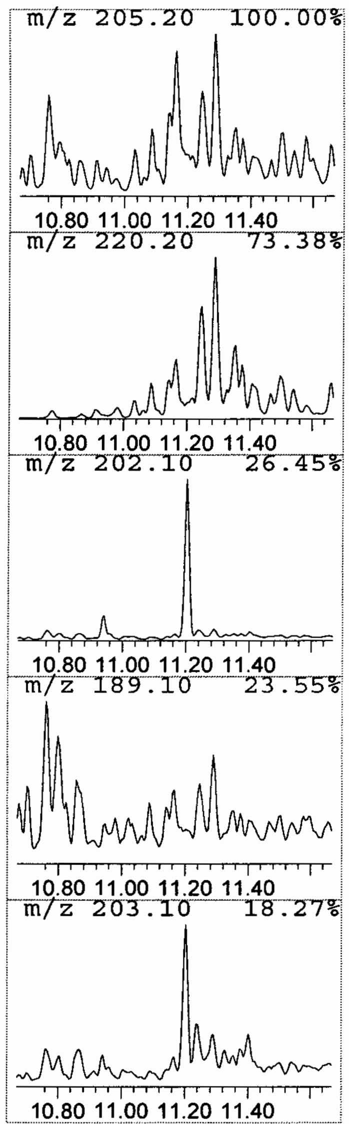
Peak Number 21 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	18.25 ng	138950	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	58
2	1-Methoxy-2-tert-butyl-4-propyl-...	220	C15H24O	086392-37-2	58
3	4A,5,8,8A.ALPHA.-TETRAHYDRO-2-ME...	220	C13H16O3	058822-92-7	58
4	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	58
5	EXO-6-PHENYL-ENDO-5-METHYLBENZOB...	220	C17H16	067457-00-5	53





Library Search Compound Report

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Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

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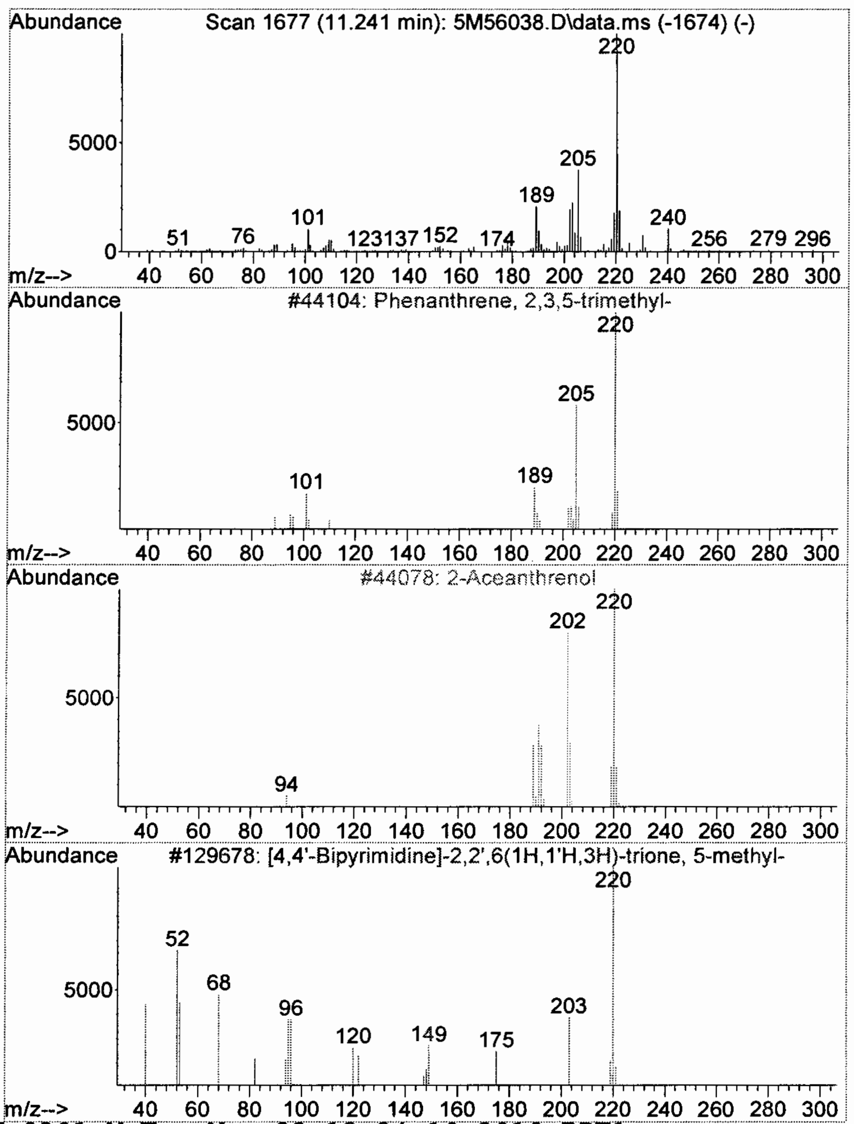
Quant Title : @GCMS_5,mg,625,8270

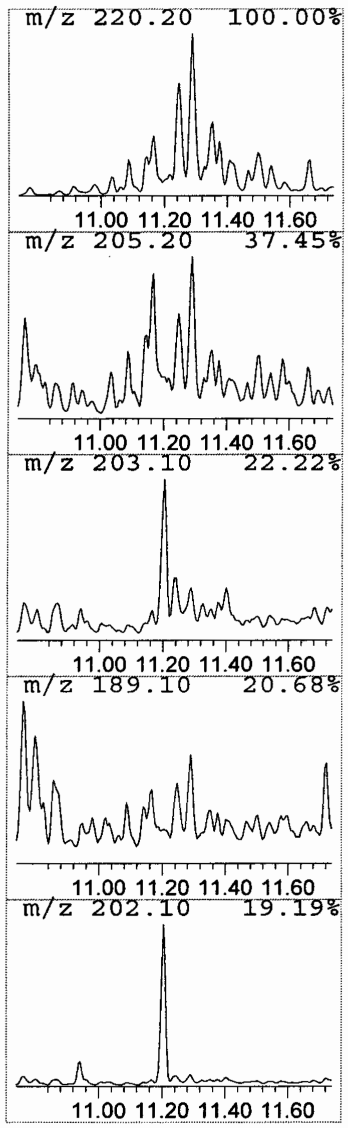
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	26.48 ng	201619	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	64
2	2-Aceanthrenol	220	C16H12O	090047-30-6	58
3	[4,4'-Bipyrimidine]-2,2',6(1H,1'...	220	C9H8N4O3	018694-06-9	50
4	2,5-Difluoro-2'-methoxybiphenyl	220	C13H10F2O	066175-44-8	49
5	2,5-Difluoro-3'-methoxybiphenyl	220	C13H10F2O	066175-45-9	43





Library Search Compound Report

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ALS Vial  : 18   Sample Multiplier: 1

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TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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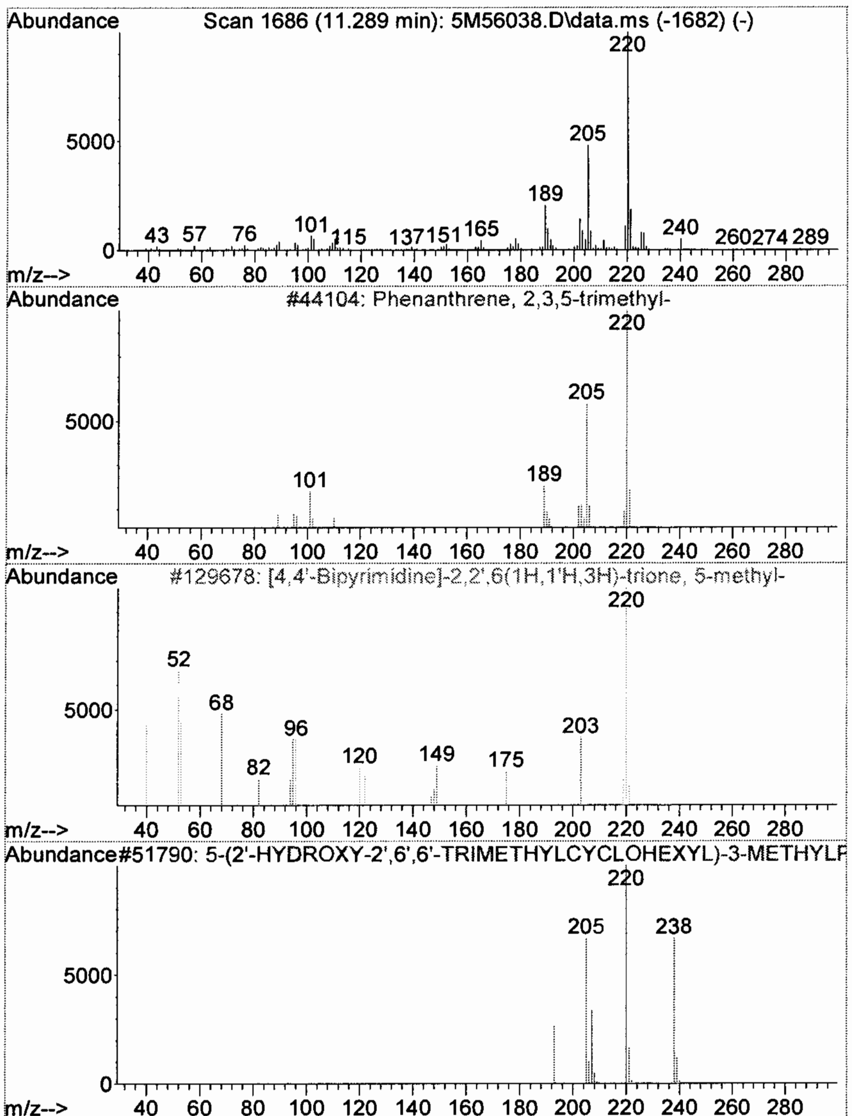
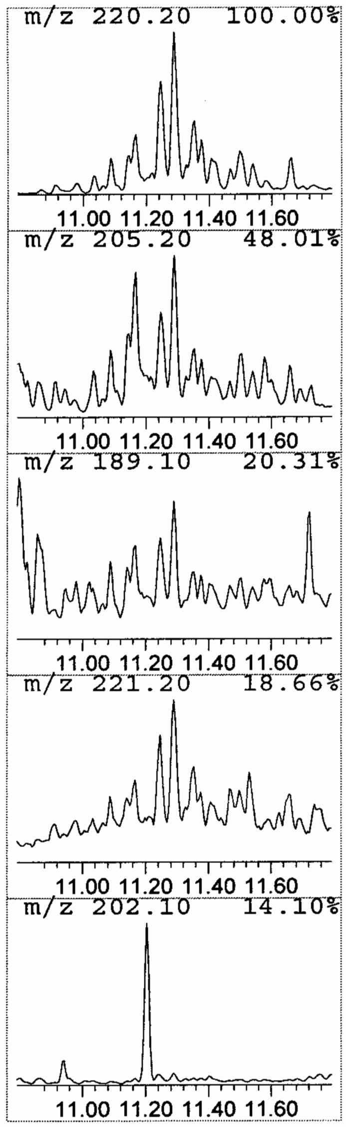
Peak Number 23   Phenanthrene, 2,3,5-trimethyl-   Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	34.39 ng	261790	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	95
2	[4,4'-Bipyrimidine]-2,2',6(1H,1'...	220	C9H8N4O3	018694-06-9	86
3	5-(2'-HYDROXY-2',6',6'-TRIMETHYL...	238	C15H26O2	069774-17-0	64
4	EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	58
5	3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	58





Library Search Compound Report

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ALS Vial : 18 Sample Multiplier: 1

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Quant Title : @GCMS_5,mg,625,8270

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

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Peak Number 24 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	17.33 ng	131909	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	47
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46
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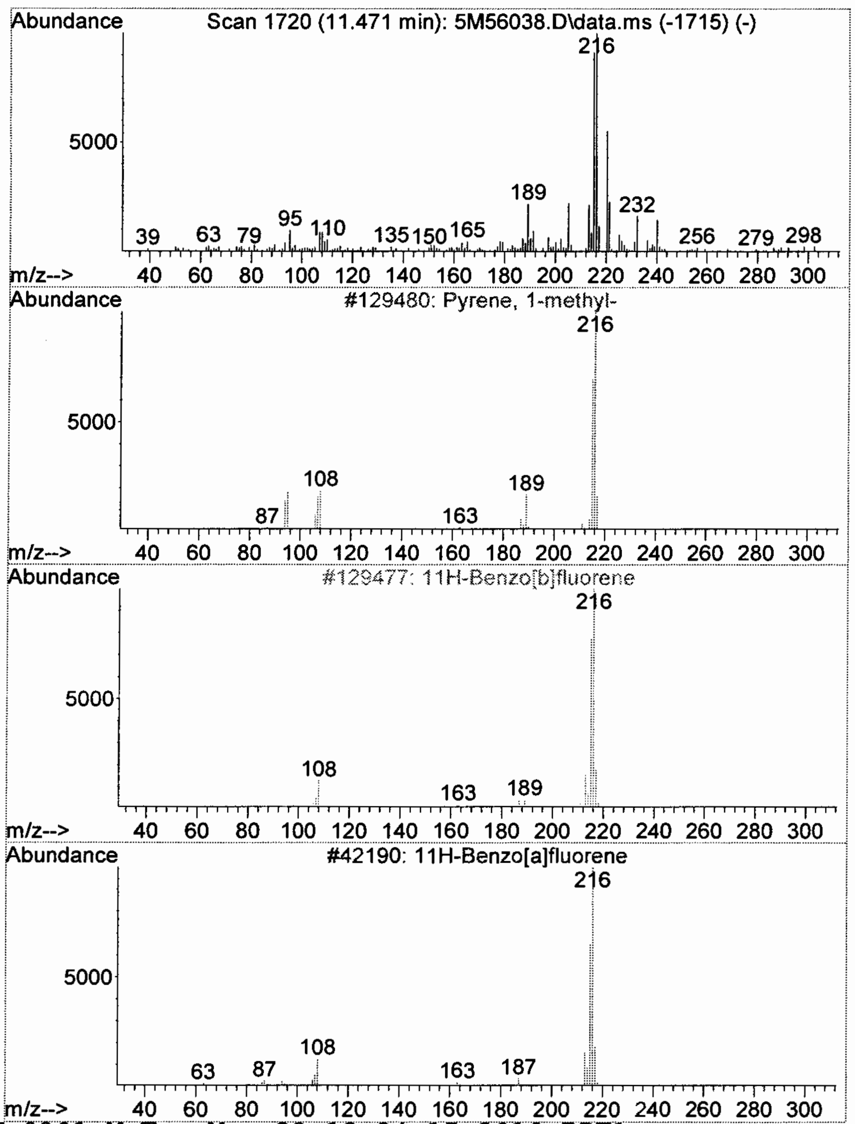

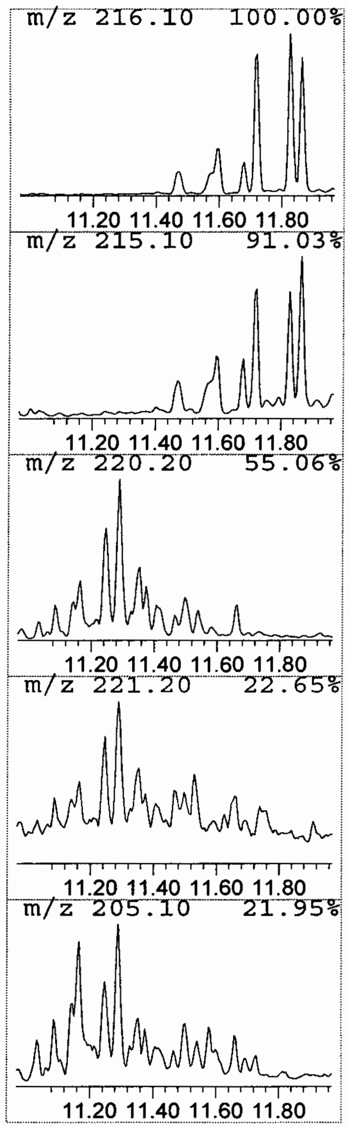

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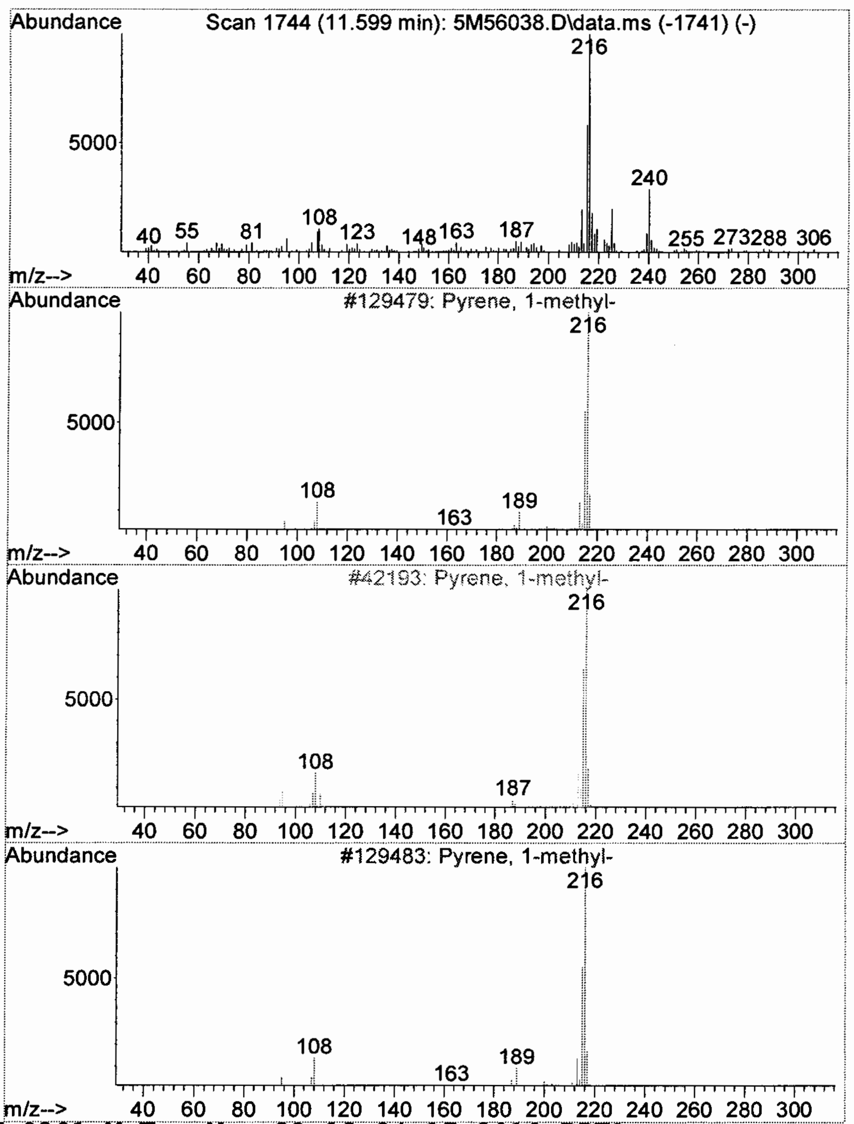
Quant Title : @GCMS_5,mg,625,8270

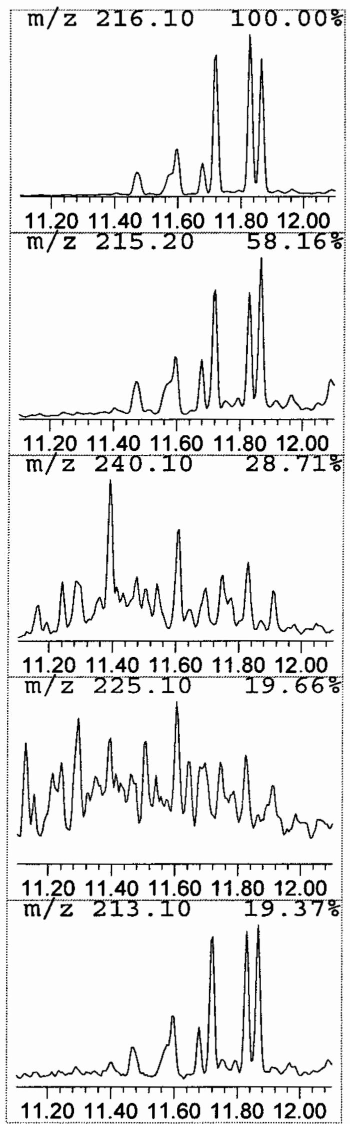
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	17.21 ng	131009	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

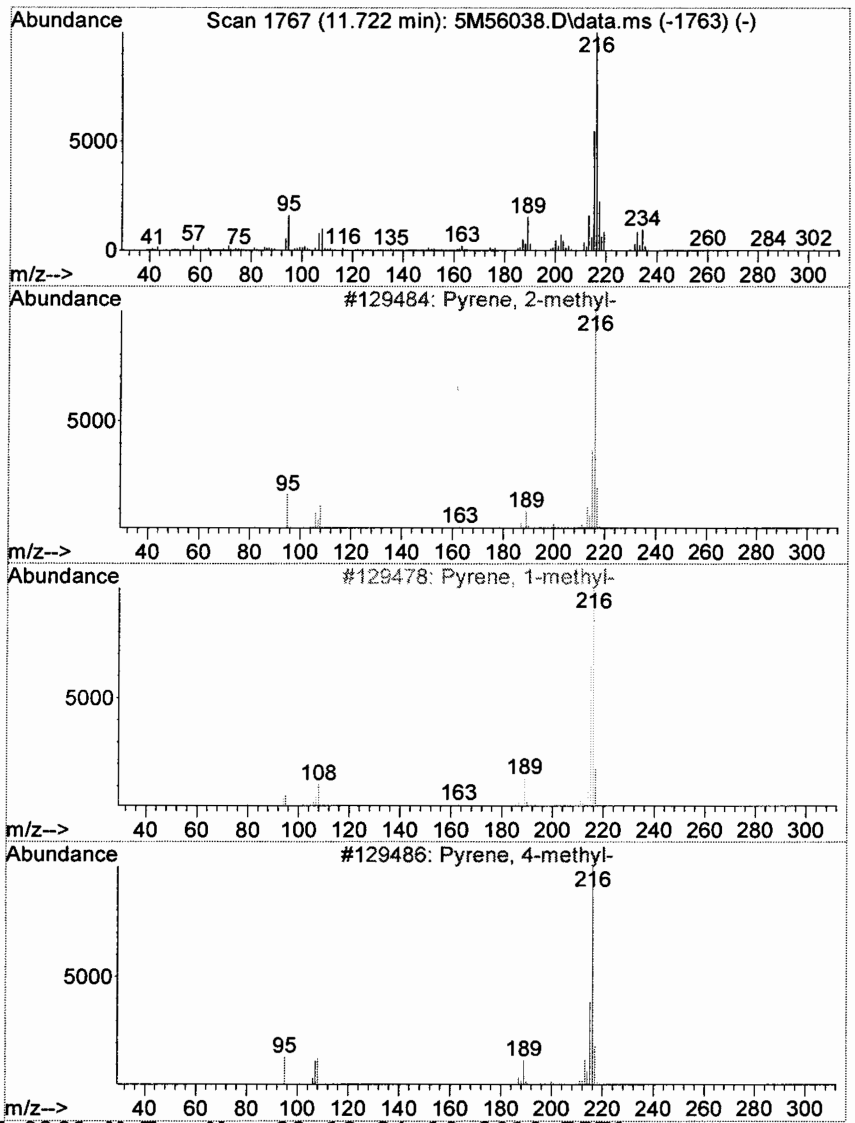
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

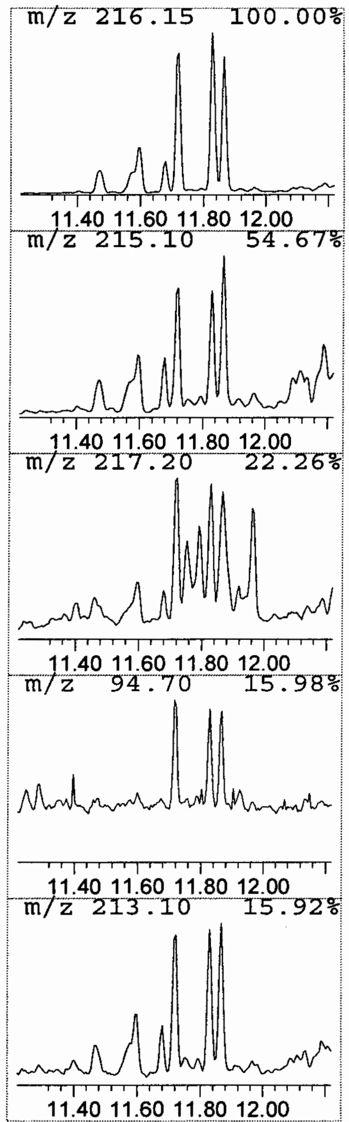
****

Peak Number 26 Pyrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	34.71 ng	264250	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On    : 16 Mar 2010  16:24
Operator  : AHD
Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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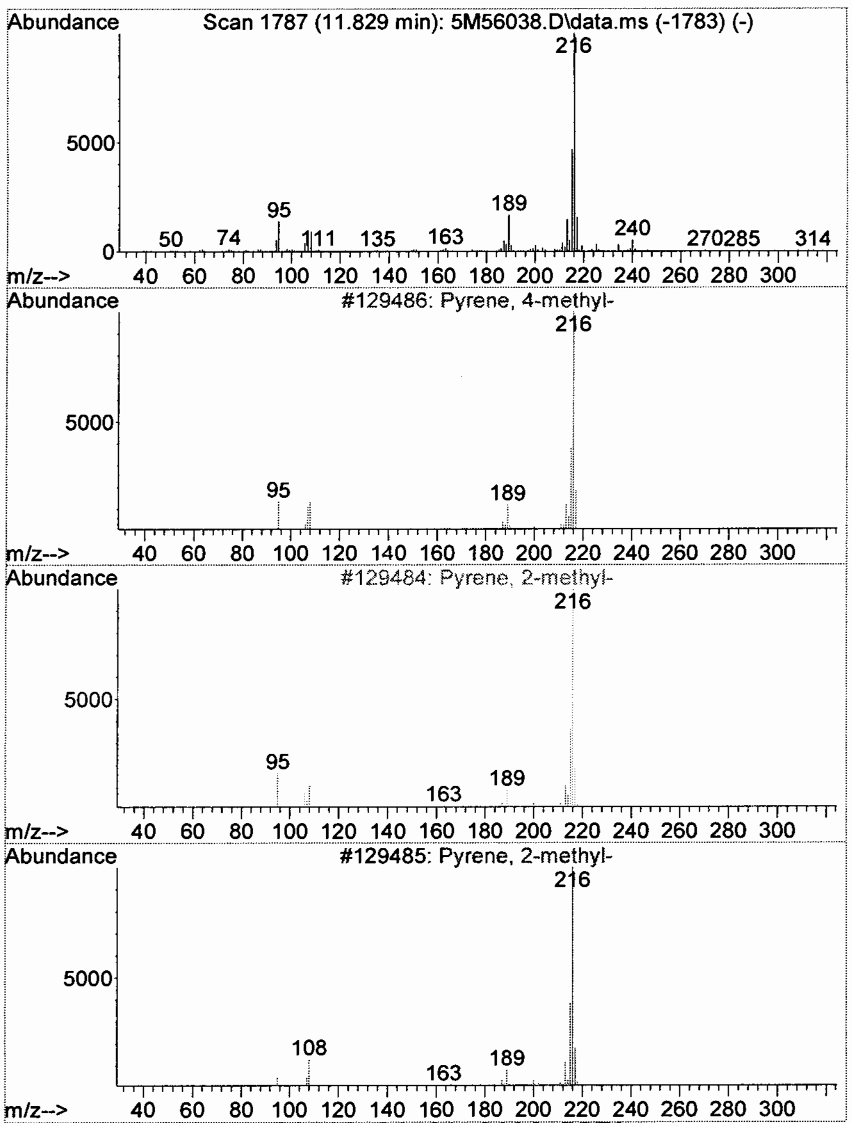
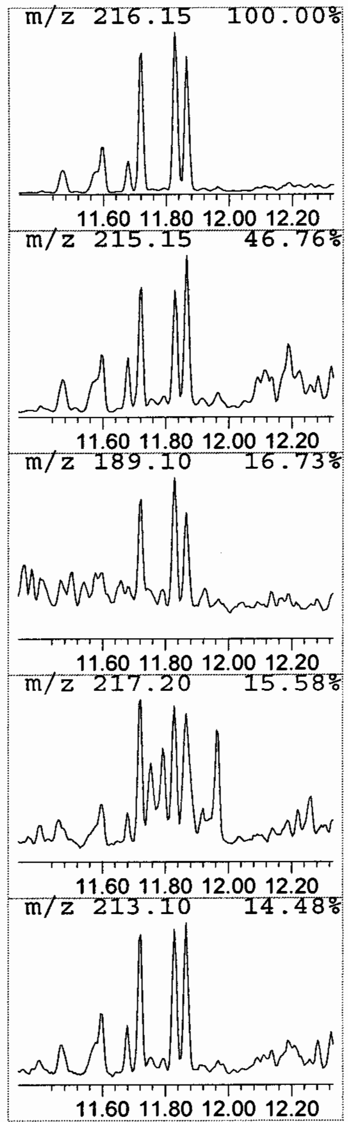

****

Peak Number 27 Pyrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	30.12 ng	229315	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





Library Search Compound Report

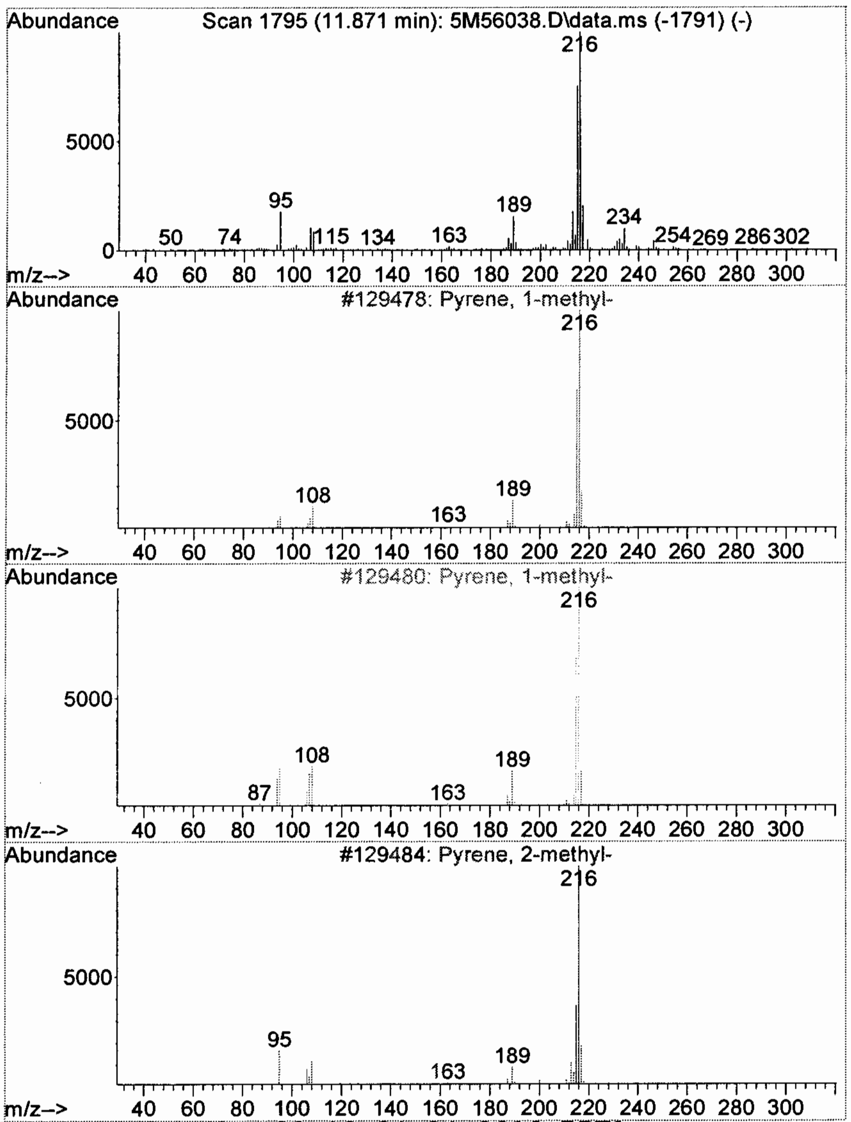
```
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On    : 16 Mar 2010  16:24
Operator  : AHD
Sample    : AC50199-004(3X)
Misc      : S,BNA:3
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

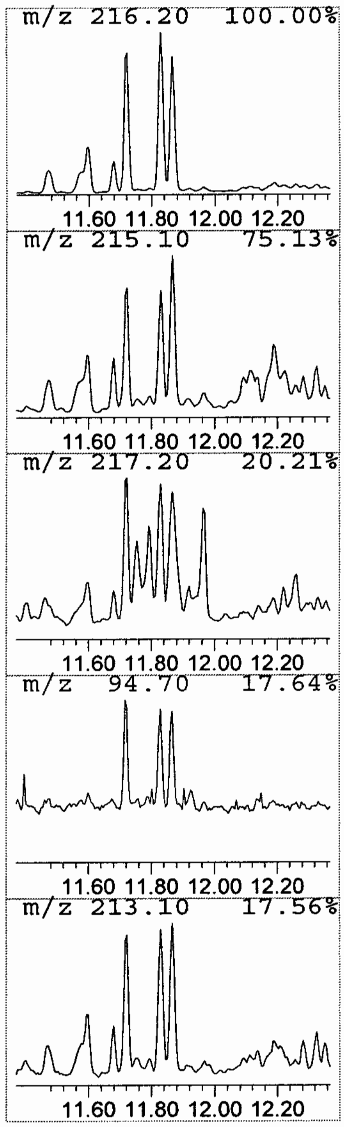
****

Peak Number 28   Pyrene, 1-methyl-   Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	27.50 ng	209316	LibIS-Chrysene-d12	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56038.D
Acq On : 16 Mar 2010 16:24
Operator : AHD
Sample : AC50199-004(3X)
Misc : S,BNA:3
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	4.20	1352.8	ng	6375325	1	5.70	5.70	188506	40.0
Naphthalene, 1,4,...	8.34	20.1	ng	163570	3	8.13	8.13	326188	40.0
Naphthalene, 1,4,...	8.41	22.0	ng	179458	3	8.13	8.13	326188	40.0
Naphthalene, 1,4,...	8.49	22.4	ng	182952	3	8.13	8.13	326188	40.0
Naphthalene, 1,4,...	8.62	18.7	ng	152619	3	8.13	8.13	326188	40.0
Azulene, 7-ethyl-...	8.99	24.0	ng	204661	4	9.58	9.58	340740	40.0
9H-Fluorene, 2-me...	9.16	24.9	ng	212504	4	9.58	9.58	340740	40.0
9H-Fluorene, 2,3-...	9.22	21.9	ng	186593	4	9.58	9.58	340740	40.0
1,1'-Biphenyl, 2,...	9.32	19.7	ng	167622	4	9.58	9.58	340740	40.0
9H-Fluorene, 2,3-...	9.70	23.1	ng	197186	4	9.58	9.58	340740	40.0
(+-)-3,3-Dimethyl...	10.14	28.6	ng	243484	4	9.58	9.58	340740	40.0
Anthracene, 2-met...	10.22	19.1	ng	162760	4	9.58	9.58	340740	40.0
(+-)-3,3-Dimethyl...	10.26	44.1	ng	375701	4	9.58	9.58	340740	40.0
Naphtho[2,3-b]thi...	10.47	24.7	ng	210605	4	9.58	9.58	340740	40.0
Phenanthrene, 2,7...	10.64	31.3	ng	266761	4	9.58	9.58	340740	40.0
Phenanthrene, 2,5...	10.76	54.9	ng	467788	4	9.58	9.58	340740	40.0
Phenanthrene, 2,3...	10.79	29.6	ng	252530	4	9.58	9.58	340740	40.0
Phenanthrene, 2,3...	10.86	24.1	ng	205629	4	9.58	9.58	340740	40.0
unknown	11.01	26.9	ng	229101	4	9.58	9.58	340740	40.0
unknown	11.13	17.3	ng	131857	5	12.64	12.64	304512	40.0
Phenanthrene, 2,3...	11.17	18.3	ng	138950	5	12.64	12.64	304512	40.0
Phenanthrene, 2,3...	11.24	26.5	ng	201619	5	12.64	12.64	304512	40.0
Phenanthrene, 2,3...	11.29	34.4	ng	261790	5	12.64	12.64	304512	40.0
Pyrene, 1-methyl-	11.47	17.3	ng	131909	5	12.64	12.64	304512	40.0
Pyrene, 1-methyl-	11.60	17.2	ng	131009	5	12.64	12.64	304512	40.0
Pyrene, 2-methyl-	11.72	34.7	ng	264250	5	12.64	12.64	304512	40.0
Pyrene, 4-methyl-	11.83	30.1	ng	229315	5	12.64	12.64	304512	40.0
Pyrene, 1-methyl-	11.87	27.5	ng	209316	5	12.64	12.64	304512	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-005
Client Id: PI-01-TP-RAU2030510SO1
Data File: 5M56039.D
Analysis Date: 03/16/10 16:47
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 72

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.093	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.093**	**0.10**
122-66-7	1,2-Diphenylhydrazine	0.093	U	207-08-9	Benzo[k]fluoranthene	0.093	U
95-95-4	2,4,5-Trichlorophenol	0.093	U	65-85-0	Benzoic Acid	0.46	U
88-06-2	2,4,6-Trichlorophenol	0.093	U	111-91-1	bis(2-Chloroethoxy)methan	0.093	U
120-83-2	2,4-Dichlorophenol	0.093	U	111-44-4	bis(2-Chloroethyl)ether	0.093	U
105-67-9	2,4-Dimethylphenol	0.093	U	108-60-1	bis(2-chloroisopropyl)ether	0.093	U
51-28-5	2,4-Dinitrophenol	0.46	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.093	U
121-14-2	2,4-Dinitrotoluene	0.093	U	85-68-7	Butylbenzylphthalate	0.093	U
606-20-2	2,6-Dinitrotoluene	0.093	U	86-74-8	Carbazole	0.093	U
91-58-7	2-Chloronaphthalene	0.093	U	**218-01-9**	**Chrysene**	**0.093**	**0.20**
95-57-8	2-Chlorophenol	0.093	U	53-70-3	Dibenzo[a,h]anthracene	0.093	U
91-57-6	2-Methylnaphthalene	0.093	U	132-64-9	Dibenzofuran	0.093	U
95-48-7	2-Methylphenol	0.093	U	84-66-2	Diethylphthalate	0.093	U
88-74-4	2-Nitroaniline	0.093	U	131-11-3	Dimethylphthalate	0.093	U
88-75-5	2-Nitrophenol	0.093	U	84-74-2	Di-n-butylphthalate	0.093	U
106-44-5	3&4-Methylphenol	0.093	U	117-84-0	Di-n-octylphthalate	0.093	U
91-94-1	3,3'-Dichlorobenzidine	0.093	U	**206-44-0**	**Fluoranthene**	**0.093**	**0.34**
99-09-2	3-Nitroaniline	0.093	U	86-73-7	Fluorene	0.093	U
534-52-1	4,6-Dinitro-2-methylphenol	0.46	U	118-74-1	Hexachlorobenzene	0.093	U
101-55-3	4-Bromophenyl-phenylether	0.093	U	87-68-3	Hexachlorobutadiene	0.093	U
59-50-7	4-Chloro-3-methylphenol	0.093	U	77-47-4	Hexachlorocyclopentadiene	0.46	U
106-47-8	4-Chloroaniline	0.093	U	67-72-1	Hexachloroethane	0.093	U
7005-72-3	4-Chlorophenyl-phenylether	0.093	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.093	U
100-01-6	4-Nitroaniline	0.093	U	78-59-1	Isophorone	0.093	U
100-02-7	4-Nitrophenol	0.093	U	91-20-3	Naphthalene	0.093	U
83-32-9	Acenaphthene	0.093	U	98-95-3	Nitrobenzene	0.093	U
208-96-8	Acenaphthylene	0.093	U	62-75-9	N-Nitrosodimethylamine	0.093	U
62-53-3	Aniline	0.093	U	621-64-7	N-Nitroso-di-n-propylamine	0.093	U
120-12-7	Anthracene	0.093	U	86-30-6	n-Nitrosodiphenylamine	0.093	U
92-87-5	Benzidine	0.46	U	87-86-5	Pentachlorophenol	0.46	U
56-55-3	**Benzo[a]anthracene**	**0.093**	**0.18**	**85-01-8**	**Phenanthrene**	**0.093**	**0.27**
50-32-8	**Benzo[a]pyrene**	**0.093**	**0.14**	108-95-2	Phenol	0.093	U
205-99-2	**Benzo[b]fluoranthene**	**0.093**	**0.21**	**129-00-0**	**Pyrene**	**0.093**	**0.32**

Worksheet #: 145370

Total Target Concentration 1.8

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: AC50199-005
Client Id: PI-01-TP-RAU2030510
Data File: 5M56039.D
Analysis Date: 03/16/10 16:47
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 72
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	2.63	0.19 J
2	141-79-7	3-Penten-2-one, 4-methyl-	3.60	1.3 JAB
3		unknown	3.85	0.23 JB
4		unknown	3.92	1.1 JB
5	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.27	170 JAB
6	111-76-2	Ethanol, 2-butoxy-	4.79	0.20 J
7		unknown	4.89	0.58 JB
8	5131-66-8	2-Propanol, 1-butoxy-	5.11	0.26 J
9	526-73-8	Benzene, 1,2,3-trimethyl-	5.55	0.24 J
10		unknown	6.67	0.52 JB
11	629-50-5	Tridecane	8.98	0.26 J

Worksheet #: 145370

Total Tentativelv Identified Concentration 170

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 : AC50199-005
Data File: 5M56039.D
Acq On : 03/16/10 16:47

Operator : AHD
Sam Mult : 1 Vial# : 19
Misc : S,BNA

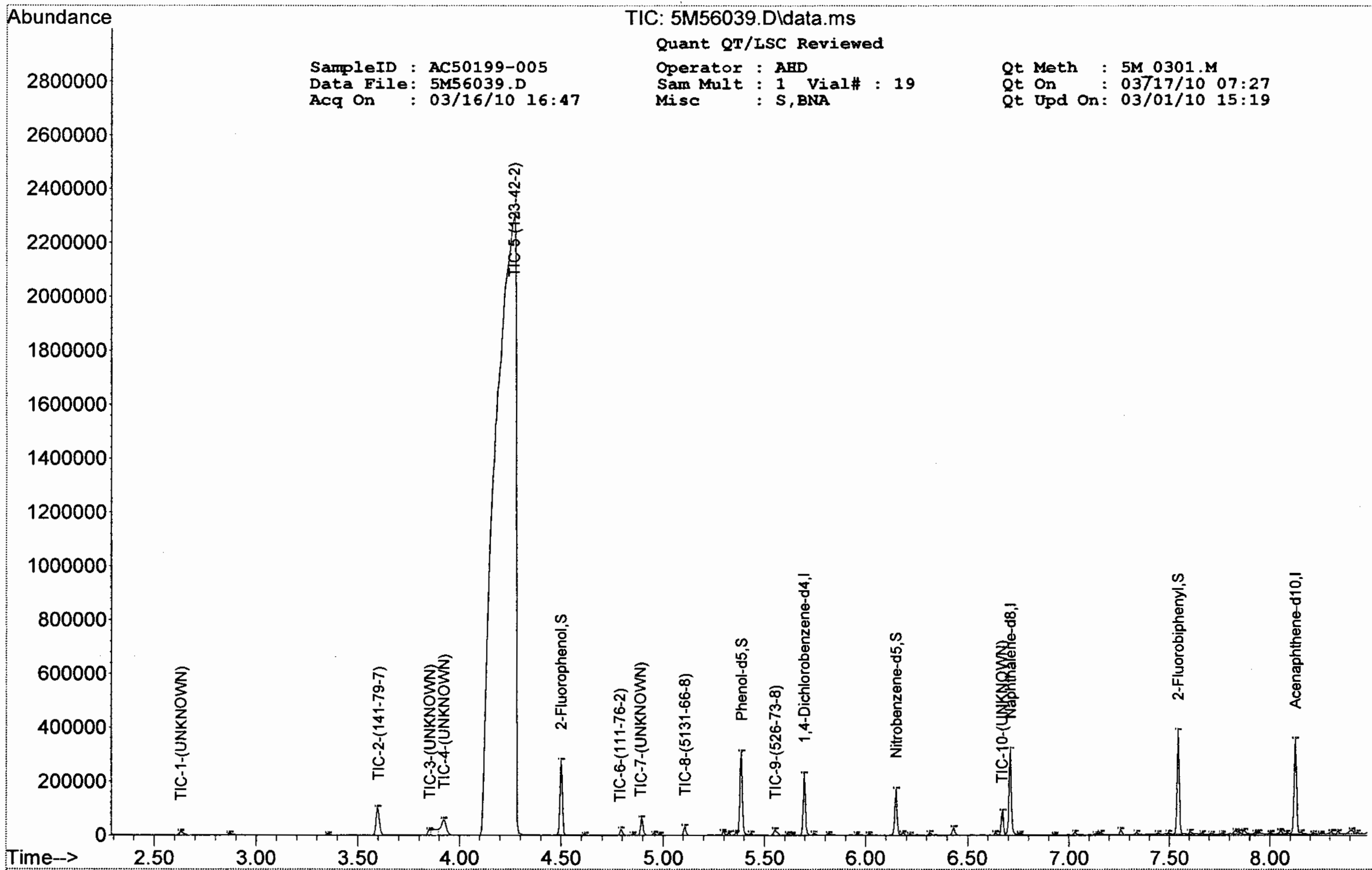
Qt Meth : 5M_0301.M
Qt On : 03/17/10 07:27
Qt Upd On: 03/01/10 15:19

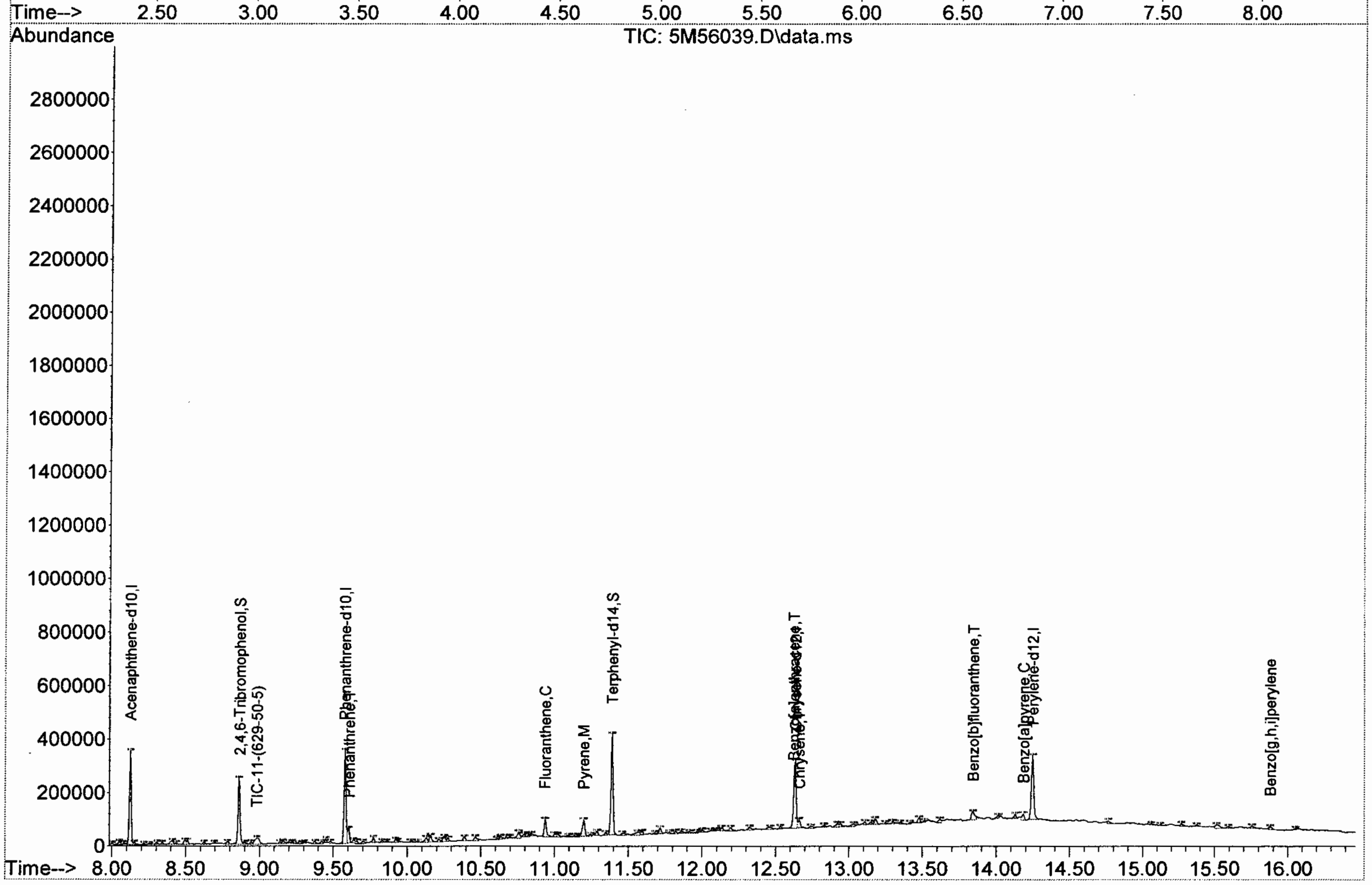
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

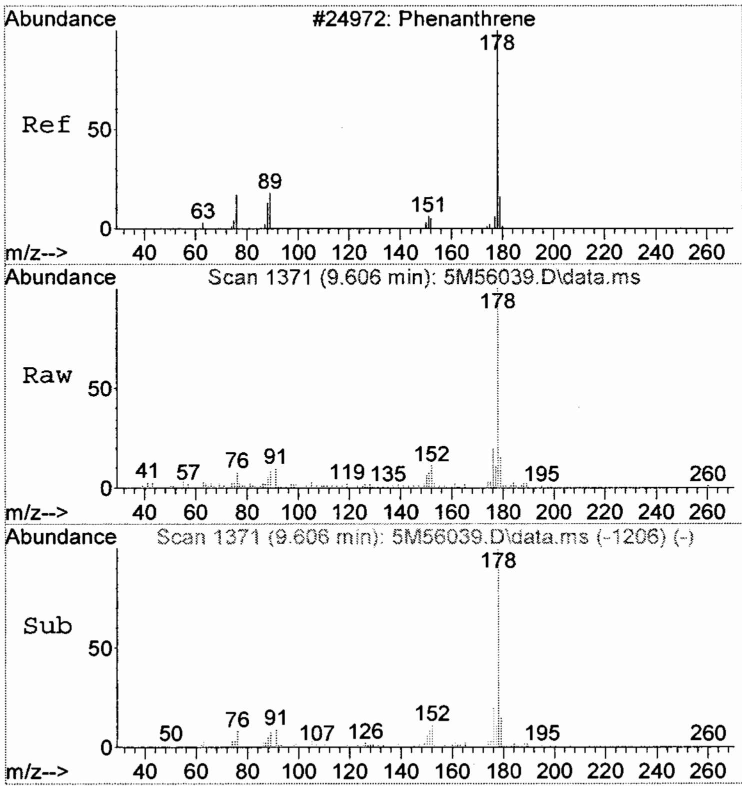
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.696	152	29583	40.00 ng	-0.11
29) Naphthalene-d8	6.711	136	117885	40.00 ng	-0.10
47) Acenaphthene-d10	8.126	164	70044	40.00 ng	-0.12
73) Phenanthrene-d10	9.579	188	124432	40.00 ng	-0.13
87) Chrysene-d12	12.635	240	98098	40.00 ng	-0.14
102) Perylene-d12	14.249	264	95477	40.00 ng	-0.16
System Monitoring Compounds					
10) 2-Fluorophenol	4.499	112	71339	67.30 ng	-0.09
Spiked Amount 100.000			Recovery =	67.30%	
15) Phenol-d5	5.386	99	103638	70.58 ng	-0.10
Spiked Amount 100.000			Recovery =	70.58%	
30) Nitrobenzene-d5	6.150	128	21296	42.28 ng	-0.10
Spiked Amount 50.000			Recovery =	84.56%	
52) 2-Fluorobiphenyl	7.544	172	102215	44.27 ng	-0.11
Spiked Amount 50.000			Recovery =	88.54%	
76) 2,4,6-Tribromophenol	8.864	330	21834	112.63 ng	-0.12
Spiked Amount 100.000			Recovery =	112.63%	
90) Terphenyl-d14	11.390	244	125643	46.48 ng	-0.13
Spiked Amount 50.000			Recovery =	92.96%	
Target Compounds					Qvalue
82) Phenanthrene	9.606	178	20330	5.75 ng	99
86) Fluoranthene	10.936	202	28785	7.28 ng	88
88) Pyrene	11.198	202	27267	6.86 ng	82
99) Benzo[a]anthracene	12.624	228	14046	3.82 ng	99
100) Chrysene	12.662	228	14562	4.28 ng	96
104) Benzo[b]fluoranthene	13.843	252	14413m	4.64 ng	
106) Benzo[a]pyrene	14.184	252	8954	2.98 ng	89
109) Benzo[g,h,i]perylene	15.878	276	5730	2.26 ng	75
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.696		173160	40.00 ng	--
2) Naphthalene-d8	6.711		245460	40.00 ng	--
3) Acenaphthene-d10	8.126		293803	40.00 ng	--
4) Phenanthrene-d10	9.579		374638	40.00 ng	--
5) Chrysene-d12	12.635		303765	40.00 ng	--
6) Perylene-d12	14.249		294033	40.00 ng	--
Library Search Compounds					
1) UNKNOWN	2.630		17459	4.03 ng	--
2) 141-79-7	3.600		117545	27.15 ng	91
3) UNKNOWN	3.850		21404	4.94 ng	--
4) UNKNOWN	3.920		106089	24.51 ng	--
5) 123-42-2	4.270		15948765	3684.17 ng	74
6) 111-76-2	4.790		18509	4.28 ng	86
7) UNKNOWN	4.890		54468	12.58 ng	--
8) 5131-66-8	5.110		24675	5.70 ng	83
9) 526-73-8	5.550		22347	5.16 ng	95
10) UNKNOWN	6.670		69056	11.25 ng	--
11) 629-50-5	8.980		52980	5.66 ng	78

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

lu


Abundance
TIC: 5M56039.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-005
Data File: 5M56039.D
Acq On : 03/16/10 16:47
Operator : AHD
Sam Mult : 1 Vial# : 19
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/17/10 07:27
Qt Upd On: 03/01/10 15:19
TIC-1-(UNKNOWN)
TIC-2-(141-79-7)
TIC-3-(UNKNOWN)
TIC-4-(UNKNOWN)
TIC-5-(123-42-2)
2-Fluorophenol,S
TIC-6-(111-76-2)
TIC-7-(UNKNOWN)
TIC-8-(5131-66-8)
Phenol-d5,S
TIC-9-(526-73-8)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
TIC-10-(UNKNOWN)
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Time-->
2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00

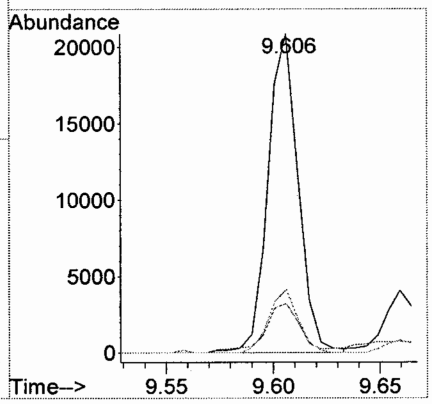

Abundance
TIC: 5M56039.D\data.ms
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
TIC-11-(629-50-5)
Phenanthrene-d10,I
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[b]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

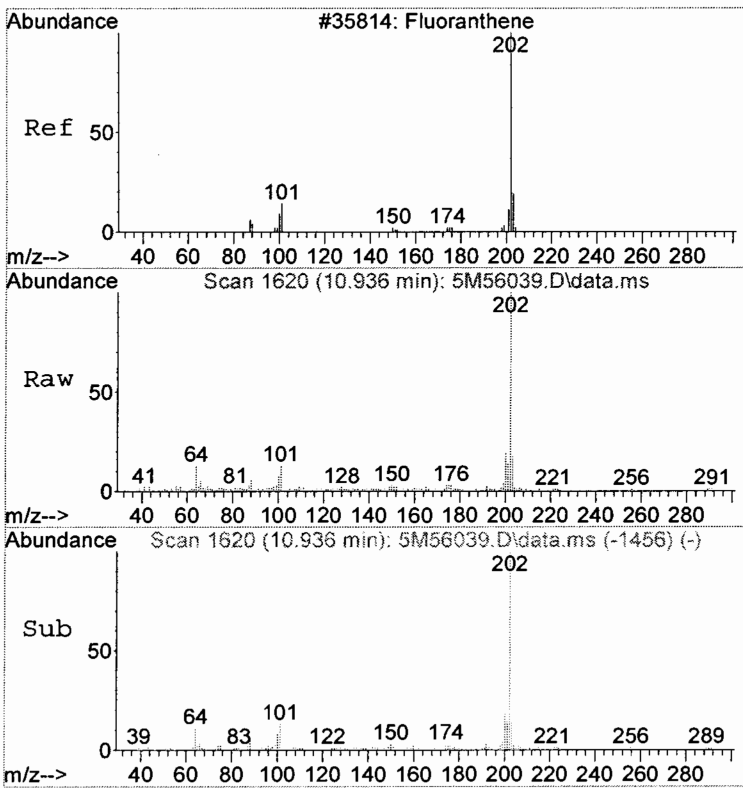


#82
Phenanthrene
Concen: 5.75 ng
RT: 9.606 min Scan# 1371
Delta R.T. -0.134 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:178 Resp: 20330

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	55.5
176	19.8	0.0	59.3

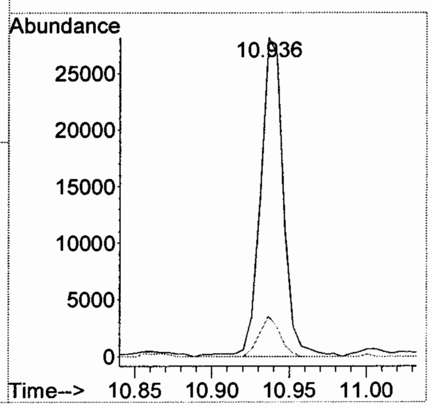


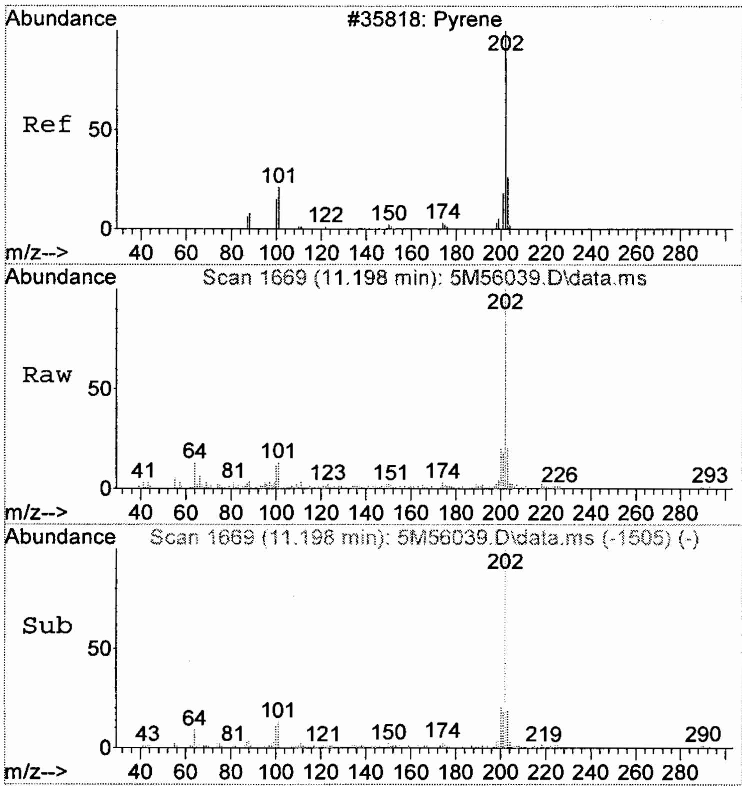


#86
Fluoranthene
Concen: 7.28 ng
RT: 10.936 min Scan# 1620
Delta R.T. -0.139 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:202 Resp: 28785

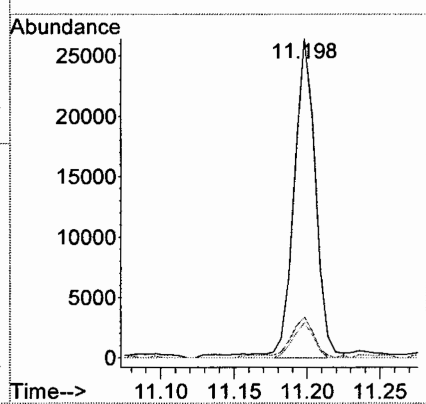
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	57.6

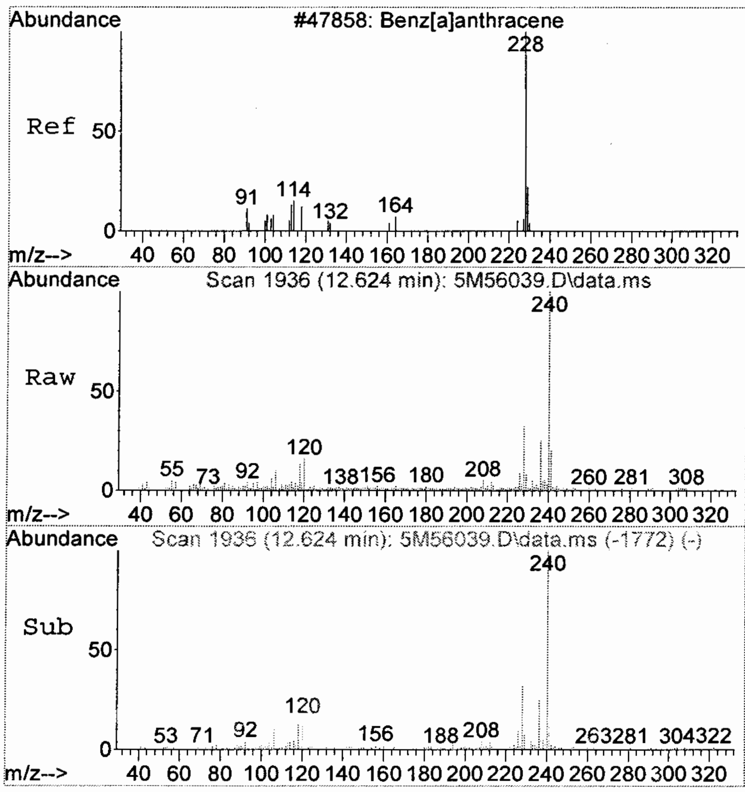




#88
Pyrene
Concen: 6.86 ng
RT: 11.198 min Scan# 1669
Delta R.T. -0.139 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

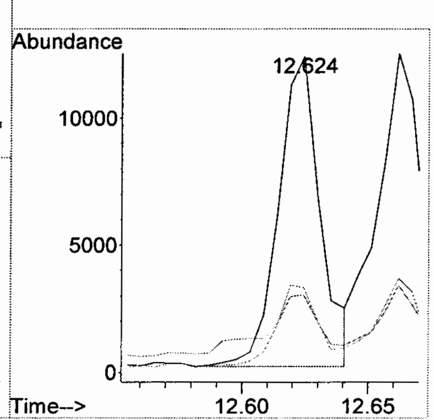
Tgt	Ion:202	Resp:	27267
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	62.2
100	10.9	0.0	57.8

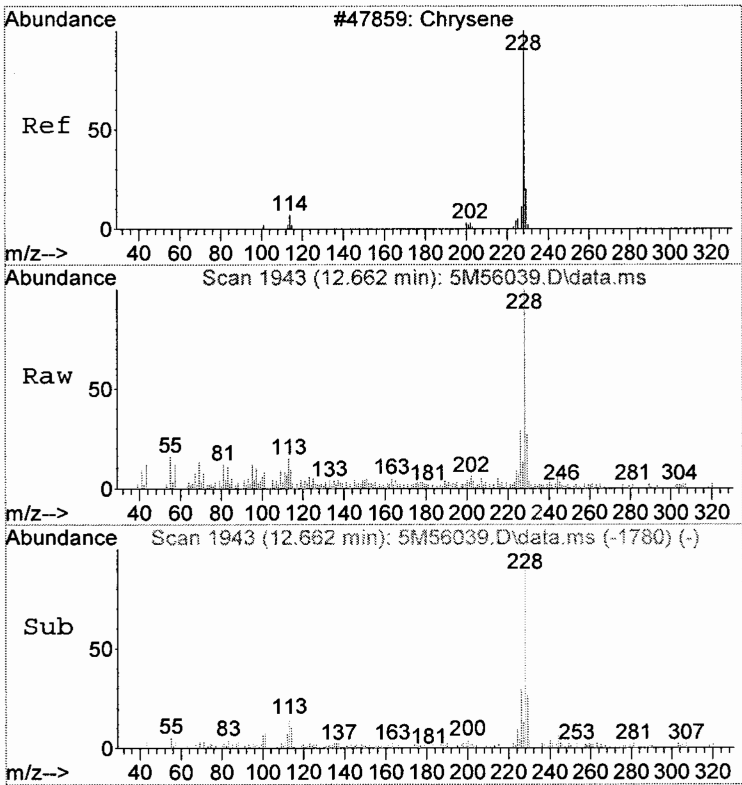




#99
Benzo[a]anthracene
Concen: 3.82 ng
RT: 12.624 min Scan# 1936
Delta R.T. -0.139 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt	Ion:228	Resp:	14046
Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	59.5
226	25.6	0.0	66.0

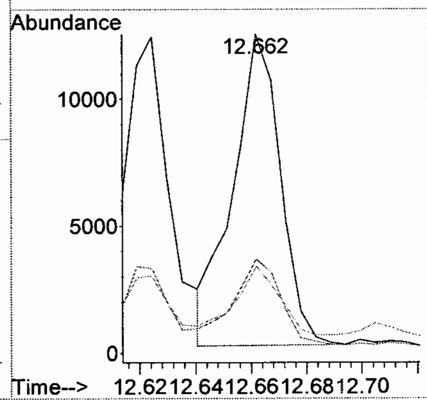


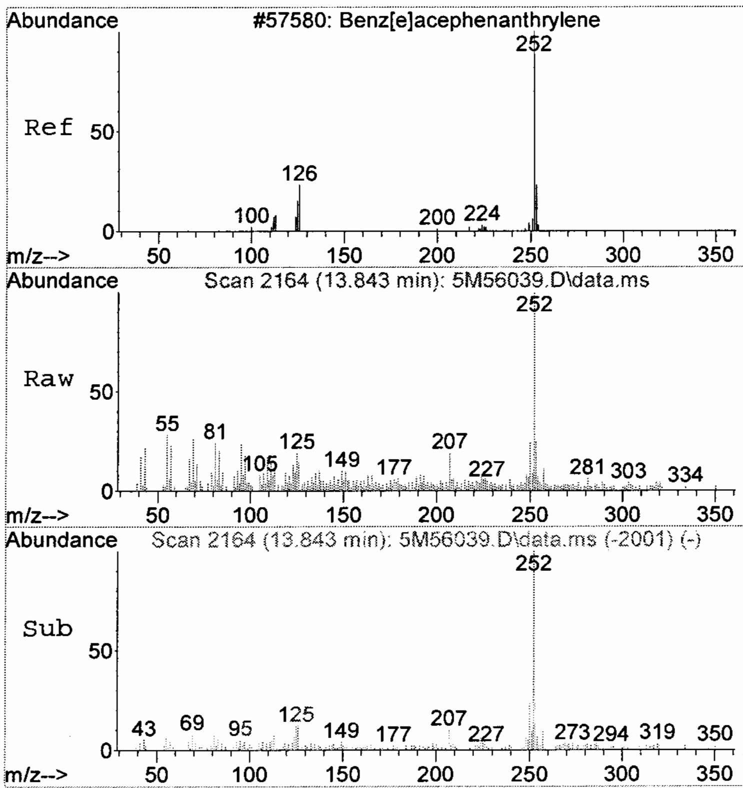


#100
Chrysene
Concen: 4.28 ng
RT: 12.662 min Scan# 1943
Delta R.T. -0.144 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:228 Resp: 14562

Ion	Ratio	Lower	Upper
228	100		
226	27.7	9.5	49.5
229	21.9	0.0	60.2

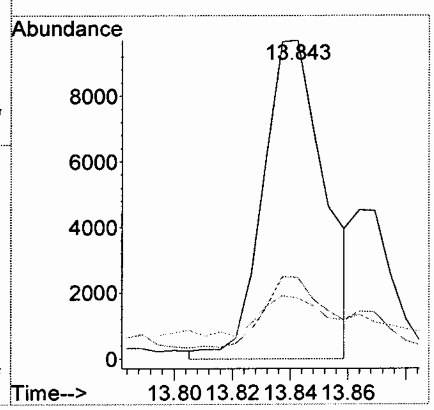


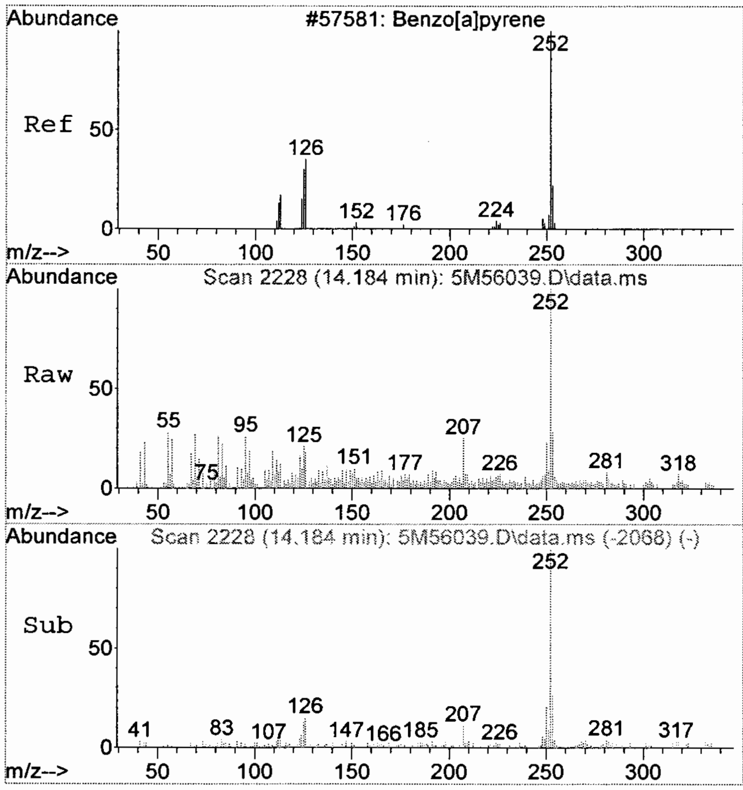


#104
Benzo[b]fluoranthene
Concen: 4.64 ng m
RT: 13.843 min Scan# 2164
Delta R.T. -0.144 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:252 Resp: 14413

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	62.3
125	19.0	0.0	58.4

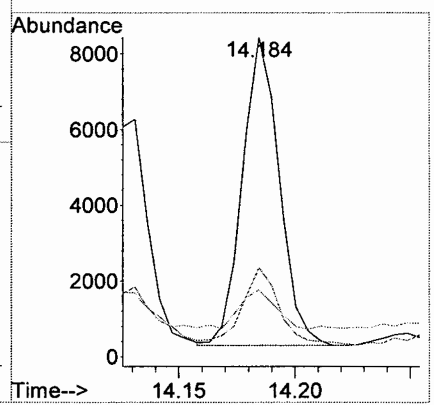


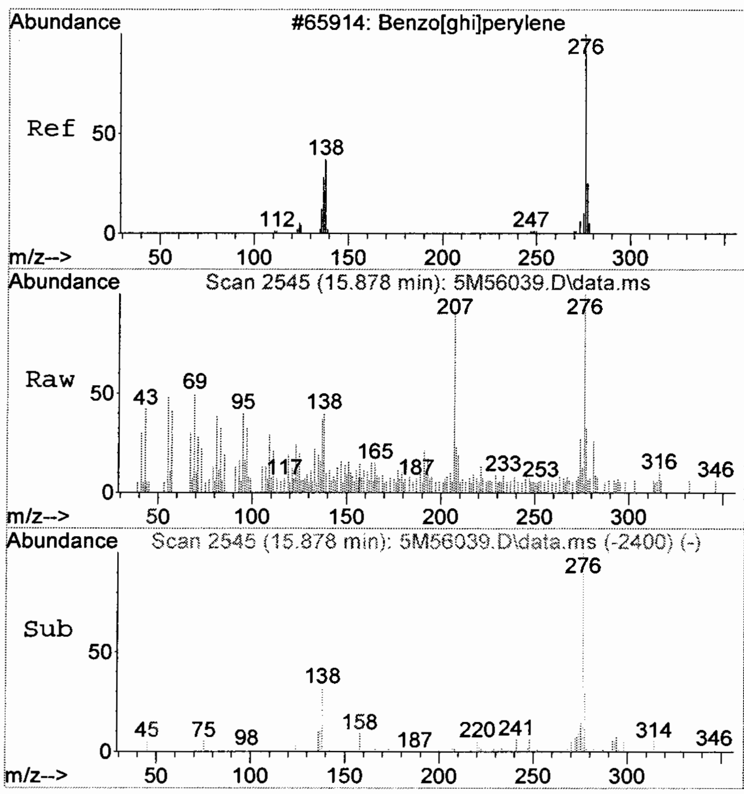


#106
Benzo[a]pyrene
Concen: 2.98 ng
RT: 14.184 min Scan# 2228
Delta R.T. -0.160 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:252 Resp: 8954

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	62.4
125	12.5	0.0	60.9

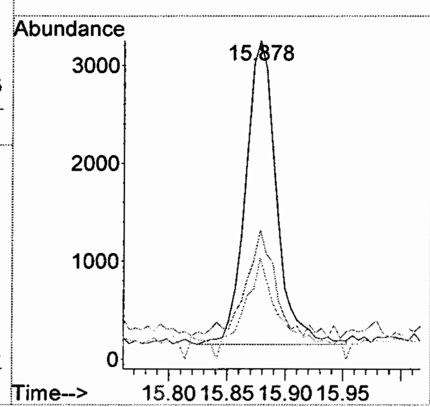




#109
Benzo[g,h,i]perylene
Concen: 2.26 ng
RT: 15.878 min Scan# 2545
Delta R.T. -0.235 min
Lab File: 5M56039.D
Acq: 16 Mar 2010 16:47

Tgt Ion:276 Resp: 5730

Ion	Ratio	Lower	Upper
276	100		
138	29.9	0.0	140.0
277	39.2	0.0	120.0



LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF                          Filtering: 5
Sampling  : 1                             Min Area: 500 Area counts
Start Thrs: 0.05                         Max Peaks: 250
Stop Thrs : 0                        Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method    : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title     : @GCMS_5,mg,625,8270

Signal     : TIC: 5M56039.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.629	61	65	75	rVB	12898	17459	0.11%	0.082%
2	2.870	107	110	118	rBV	5296	8962	0.06%	0.042%
3	3.356	198	201	205	rVB	3720	3775	0.02%	0.018%
4	3.596	242	246	253	rBV	102434	117545	0.74%	0.552%
5	3.853	290	294	295	rBV	19905	21404	0.13%	0.100%
6	3.922	302	307	320	rVB	57942	106089	0.67%	0.498%
7	4.275	340	373	376	rBV	2304557	15948765	100.00%	74.837%
8	4.499	411	415	419	rBV	273653	223616	1.40%	1.049%
9	4.616	433	437	441	rVB	3504	3003	0.02%	0.014%
10	4.793	467	470	477	rVB	22615	18509	0.12%	0.087%
11	4.852	477	481	486	rBV	5056	4364	0.03%	0.020%
12	4.894	486	489	498	rVV	64466	54468	0.34%	0.256%
13	4.958	498	501	503	rBV	7197	5675	0.04%	0.027%
14	4.985	503	506	510	rVB	3640	3455	0.02%	0.016%
15	5.108	526	529	533	rBV	32971	24675	0.15%	0.116%
16	5.295	562	564	567	rBV	13449	11406	0.07%	0.054%
17	5.322	567	569	573	rVB	7981	6252	0.04%	0.029%
18	5.359	573	576	577	rBV	9949	7942	0.05%	0.037%
19	5.386	577	581	588	rVV	308253	263017	1.65%	1.234%
20	5.434	588	590	593	rVB	6769	4642	0.03%	0.022%
21	5.551	606	612	618	rBV2	20104	22347	0.14%	0.105%
22	5.615	621	624	626	rBV	5447	4149	0.03%	0.019%
23	5.637	626	628	634	rVB3	3251	3449	0.02%	0.016%
24	5.696	636	639	646	rVB	227083	172338	1.08%	0.809%
25	5.744	646	648	656	rVV2	8073	8201	0.05%	0.038%
26	5.818	656	662	664	rVV4	5583	7283	0.05%	0.034%
27	5.957	685	688	691	rBV3	4878	4627	0.03%	0.022%
28	6.016	697	699	703	rBV2	5020	4786	0.03%	0.022%
29	6.150	715	724	728	rBV	170028	134344	0.84%	0.630%
30	6.182	728	730	733	rVV	9410	7756	0.05%	0.036%
31	6.219	733	737	741	rVB2	3532	3784	0.02%	0.018%
32	6.315	750	755	758	rBV	9605	7998	0.05%	0.038%
33	6.433	771	777	781	rBV	28200	23594	0.15%	0.111%
34	6.636	813	815	818	rBV	8740	5776	0.04%	0.027%
35	6.673	818	822	824	rVV	87953	69056	0.43%	0.324%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.05 Max Peaks: 250
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

36	6.711	824	829	834	rVV	315984	254178	1.59%	1.193%
37	6.759	834	838	843	rVB2	5994	8989	0.06%	0.042%
38	6.930	864	870	876	rBV4	3064	4259	0.03%	0.020%
39	7.031	885	889	893	rBV2	8646	8779	0.06%	0.041%
40	7.133	904	908	911	rBV3	2688	3036	0.02%	0.014%
41	7.159	911	913	916	rVB	8011	5427	0.03%	0.025%
42	7.256	929	931	935	rBV	17958	13532	0.08%	0.063%
43	7.336	943	946	949	rBV	8173	6891	0.04%	0.032%
44	7.443	964	966	970	rVB	6065	4801	0.03%	0.023%
45	7.496	974	976	981	rVB2	7136	4665	0.03%	0.022%
46	7.544	981	985	989	rBV	383487	288228	1.81%	1.352%
47	7.603	994	996	1000	rBV	9426	9985	0.06%	0.047%
48	7.667	1004	1008	1010	rVB2	4694	5103	0.03%	0.024%
49	7.710	1012	1016	1020	rBV3	3568	4160	0.03%	0.020%
50	7.763	1023	1026	1031	rBV2	4758	6016	0.04%	0.028%
51	7.833	1035	1039	1041	rBV2	10810	13318	0.08%	0.062%
52	7.849	1041	1042	1044	rVV	7576	3907	0.02%	0.018%
53	7.875	1044	1047	1054	rVB5	12895	14840	0.09%	0.070%
54	7.929	1054	1057	1058	rBV	6458	5640	0.04%	0.026%
55	7.945	1058	1060	1063	rVB3	6051	3894	0.02%	0.018%
56	8.003	1067	1071	1074	rVB3	4796	4976	0.03%	0.023%
57	8.052	1074	1080	1083	rBV2	12226	12872	0.08%	0.060%
58	8.084	1083	1086	1088	rVV2	5824	5279	0.03%	0.025%
59	8.126	1088	1094	1098	rVV	351280	299526	1.88%	1.405%
60	8.153	1098	1099	1108	rVB4	9019	9795	0.06%	0.046%
61	8.217	1108	1111	1114	rBV4	4595	5532	0.03%	0.026%
62	8.255	1114	1118	1122	rVB6	2709	3876	0.02%	0.018%
63	8.308	1122	1128	1131	rBV4	7986	9204	0.06%	0.043%
64	8.340	1131	1134	1139	rBV3	7412	7319	0.05%	0.034%
65	8.409	1141	1147	1150	rBV2	13020	18229	0.11%	0.086%
66	8.436	1150	1152	1154	rVB	6325	4170	0.03%	0.020%
67	8.495	1158	1163	1165	rBV3	15508	19916	0.12%	0.093%
68	8.511	1165	1166	1170	rVB2	14518	9187	0.06%	0.043%
69	8.623	1183	1187	1191	rBV4	7824	8086	0.05%	0.038%
70	8.693	1198	1200	1205	rVV4	4213	3265	0.02%	0.015%
71	8.783	1213	1217	1221	rVB3	9680	12001	0.08%	0.056%
72	8.858	1226	1231	1236	rVV	247345	240259	1.51%	1.127%
73	8.896	1236	1238	1244	rVV5	6869	10294	0.06%	0.048%
74	8.944	1244	1247	1249	rVV3	8880	9431	0.06%	0.044%
75	8.981	1249	1254	1262	rVB5	23908	52980	0.33%	0.249%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.05 Max Peaks: 250
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

76	9.136	1280	1283	1285	rBV	7591	6942	0.04%	0.033%
77	9.157	1285	1287	1292	rVV3	9828	11620	0.07%	0.055%
78	9.200	1292	1295	1297	rVV3	5325	5324	0.03%	0.025%
79	9.227	1297	1300	1303	rVB3	6477	5698	0.04%	0.027%
80	9.264	1303	1307	1309	rVB4	3189	4155	0.03%	0.019%
81	9.291	1309	1312	1313	rBV3	4047	3733	0.02%	0.018%
82	9.307	1313	1315	1317	rBV2	3803	4048	0.03%	0.019%
83	9.376	1325	1328	1332	rVB2	7605	8628	0.05%	0.040%
84	9.419	1332	1336	1339	rBV5	7990	11137	0.07%	0.052%
85	9.451	1339	1342	1345	rVB	14056	11464	0.07%	0.054%
86	9.483	1346	1348	1352	rVB4	7036	6254	0.04%	0.029%
87	9.579	1362	1366	1369	rBV	346842	327469	2.05%	1.537%
88	9.606	1369	1371	1374	rVV	55469	45438	0.28%	0.213%
89	9.638	1374	1377	1379	rVV	11733	11996	0.08%	0.056%
90	9.660	1379	1381	1384	rVB	10021	8339	0.05%	0.039%
91	9.702	1384	1389	1392	rBV2	8717	12126	0.08%	0.057%
92	9.772	1399	1402	1405	rVB	18291	15697	0.10%	0.074%
93	9.831	1410	1413	1417	rBV2	6818	8704	0.05%	0.041%
94	9.863	1417	1419	1423	rVB5	4670	5770	0.04%	0.027%
95	9.921	1426	1430	1432	rBV3	11947	12303	0.08%	0.058%
96	9.937	1432	1433	1438	rVB3	5959	6417	0.04%	0.030%
97	10.023	1446	1449	1453	rBV4	3848	4267	0.03%	0.020%
98	10.071	1456	1458	1462	rVB4	3740	3337	0.02%	0.016%
99	10.130	1462	1469	1472	rBV2	17918	23483	0.15%	0.110%
100	10.162	1472	1475	1480	rVB	24292	26072	0.16%	0.122%
101	10.215	1480	1485	1488	rBV3	8727	11870	0.07%	0.056%
102	10.253	1488	1492	1495	rVV	19145	25386	0.16%	0.119%
103	10.279	1495	1497	1500	rVB	11354	10863	0.07%	0.051%
104	10.391	1514	1518	1522	rVB4	15060	17345	0.11%	0.081%
105	10.466	1525	1532	1536	rBV	15542	24135	0.15%	0.113%
106	10.610	1556	1559	1561	rBV4	4776	5023	0.03%	0.024%
107	10.637	1561	1564	1568	rVV3	10148	11773	0.07%	0.055%
108	10.675	1568	1571	1574	rVV2	7505	6703	0.04%	0.031%
109	10.701	1574	1576	1578	rBV3	6996	5037	0.03%	0.024%
110	10.760	1578	1587	1590	rBV2	22924	32995	0.21%	0.155%
111	10.797	1590	1594	1597	rBV3	9911	10629	0.07%	0.050%
112	10.824	1597	1599	1601	rBV2	6486	6327	0.04%	0.030%
113	10.846	1601	1603	1607	rVV3	7849	9257	0.06%	0.043%
114	10.936	1617	1620	1629	rVB	64339	71007	0.45%	0.333%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

115	11.000	1629	1632	1635	rVV2	11839	14919	0.09%	0.070%
116	11.022	1635	1636	1641	rVB5	9406	9414	0.06%	0.044%
117	11.097	1646	1650	1654	rVB6	4411	6495	0.04%	0.030%
118	11.139	1654	1658	1660	rVB5	3646	3939	0.02%	0.018%
119	11.161	1660	1662	1664	rBV3	5281	5942	0.04%	0.028%
120	11.198	1664	1669	1673	rVB	60635	67903	0.43%	0.319%
121	11.246	1673	1678	1680	rBV5	6353	9734	0.06%	0.046%
122	11.289	1682	1686	1689	rVB3	14360	15425	0.10%	0.072%
123	11.348	1693	1697	1699	rBV5	10576	11713	0.07%	0.055%
124	11.390	1700	1705	1710	rVV	374469	358477	2.25%	1.682%
125	11.460	1715	1718	1723	rBV4	7972	14294	0.09%	0.067%
126	11.567	1729	1738	1741	rBV4	11489	28454	0.18%	0.134%
127	11.593	1741	1743	1747	rVB2	11382	11281	0.07%	0.053%
128	11.684	1756	1760	1762	rBV4	5126	6704	0.04%	0.031%
129	11.716	1762	1766	1770	rVV2	21168	24363	0.15%	0.114%
130	11.780	1776	1778	1781	rVB4	6905	5801	0.04%	0.027%
131	11.823	1781	1786	1789	rBV	10106	12923	0.08%	0.061%
132	11.861	1790	1793	1797	rVV3	8267	11338	0.07%	0.053%
133	11.919	1797	1804	1809	rVB3	4601	9667	0.06%	0.045%
134	11.967	1809	1813	1815	rBV5	4915	5605	0.04%	0.026%
135	12.005	1817	1820	1824	rVB3	7536	7708	0.05%	0.036%
136	12.064	1828	1831	1832	rBV3	3487	3003	0.02%	0.014%
137	12.096	1832	1837	1838	rBV5	5234	7553	0.05%	0.035%
138	12.133	1841	1844	1848	rVB4	12167	11714	0.07%	0.055%
139	12.197	1850	1856	1863	rVB	12689	20480	0.13%	0.096%
140	12.325	1875	1880	1883	rBV4	11144	15343	0.10%	0.072%
141	12.464	1900	1906	1910	rBV2	9685	19868	0.12%	0.093%
142	12.534	1916	1919	1922	rBV4	9000	9955	0.06%	0.047%
143	12.635	1930	1938	1941	rBV	251794	296399	1.86%	1.391%
144	12.662	1941	1943	1948	rVB	30054	27777	0.17%	0.130%
145	12.742	1954	1958	1963	rBV8	7714	14836	0.09%	0.070%
146	12.833	1971	1975	1978	rBV6	6803	8773	0.06%	0.041%
147	12.924	1987	1992	1994	rBV6	12996	19939	0.13%	0.094%
148	12.945	1994	1996	2000	rVB5	11937	11794	0.07%	0.055%
149	13.036	2007	2013	2015	rBV7	10208	17047	0.11%	0.080%
150	13.111	2025	2027	2030	rVB	11573	9821	0.06%	0.046%
151	13.153	2032	2035	2037	rBV3	8384	9078	0.06%	0.043%
152	13.180	2037	2040	2045	rVB2	21860	25168	0.16%	0.118%
153	13.250	2051	2053	2057	rBV5	5457	6668	0.04%	0.031%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0
Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

154	13.298	2060	2062	2068	rBV4	7866	10495	0.07%	0.049%
155	13.351	2070	2072	2076	rVB5	6149	6881	0.04%	0.032%
156	13.415	2082	2084	2086	rBV3	5392	5359	0.03%	0.025%
157	13.479	2092	2096	2099	rBV2	18526	20409	0.13%	0.096%
158	13.511	2100	2102	2104	rBV3	5391	4487	0.03%	0.021%
159	13.618	2118	2122	2124	rBV4	12863	16591	0.10%	0.078%
160	13.843	2160	2164	2168	rBV2	28889	47039	0.29%	0.221%
161	14.013	2192	2196	2197	rBV3	9654	10606	0.07%	0.050%
162	14.131	2214	2218	2221	rBV	14078	14230	0.09%	0.067%
163	14.184	2225	2228	2232	rVB	23900	23913	0.15%	0.112%
164	14.249	2234	2240	2247	rBV	237575	281203	1.76%	1.319%
165	14.767	2335	2337	2344	rVB7	10484	11651	0.07%	0.055%
166	15.061	2390	2392	2394	rBV3	4422	3398	0.02%	0.016%
167	15.125	2402	2404	2408	rVB5	5113	4354	0.03%	0.020%
168	15.269	2429	2431	2438	rVB7	9863	12054	0.08%	0.057%
169	15.376	2449	2451	2455	rVB5	5705	5340	0.03%	0.025%
170	15.515	2474	2477	2486	rVB2	13608	27756	0.17%	0.130%
171	15.595	2490	2492	2497	rVB6	6205	7843	0.05%	0.037%
172	15.755	2519	2522	2527	rVB7	7944	9197	0.06%	0.043%
173	15.878	2542	2545	2552	rVB2	10091	16469	0.10%	0.077%
174	16.054	2574	2578	2579	rBV4	4732	5677	0.04%	0.027%

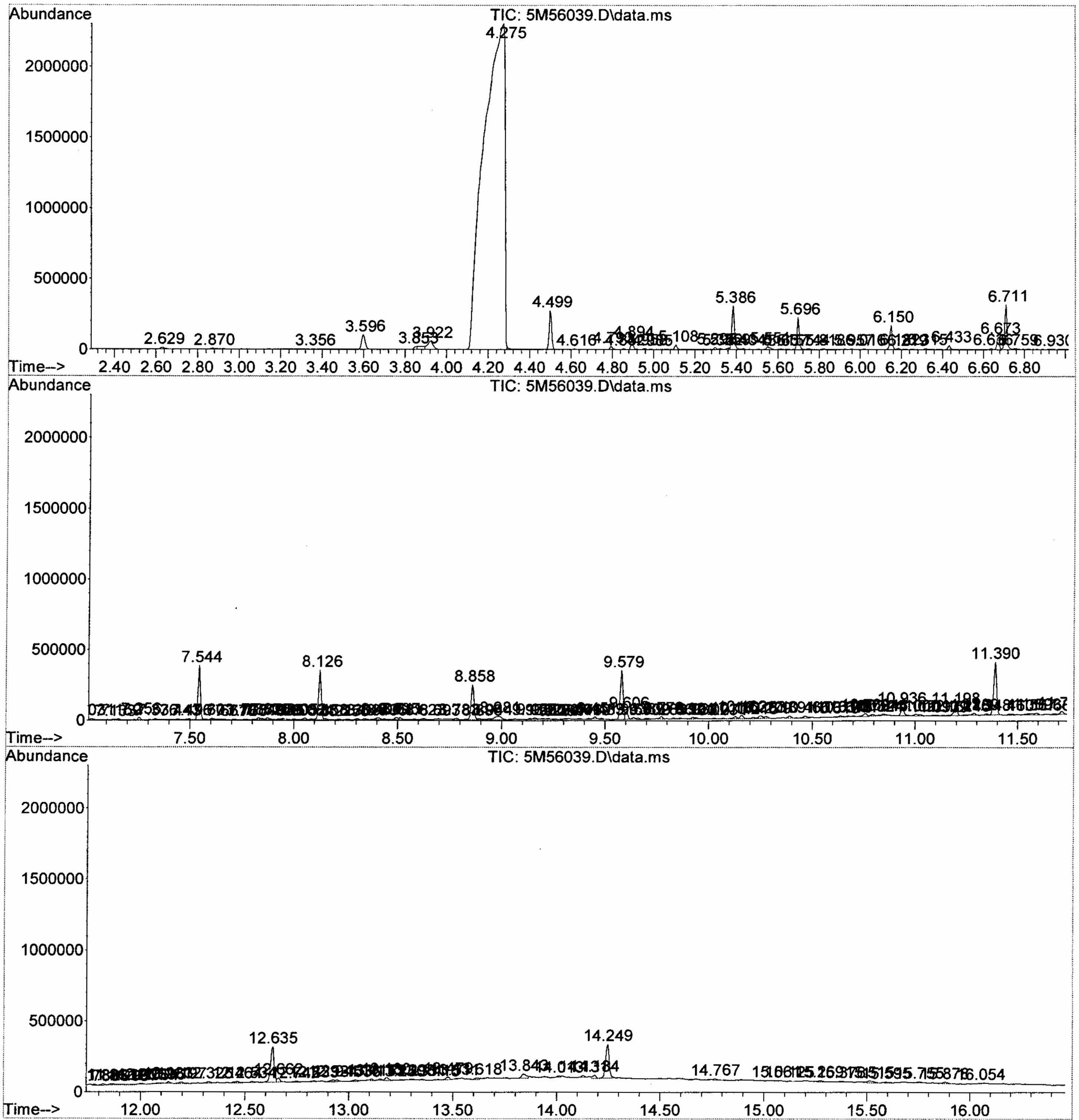
Sum of corrected areas: 21311394

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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



Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

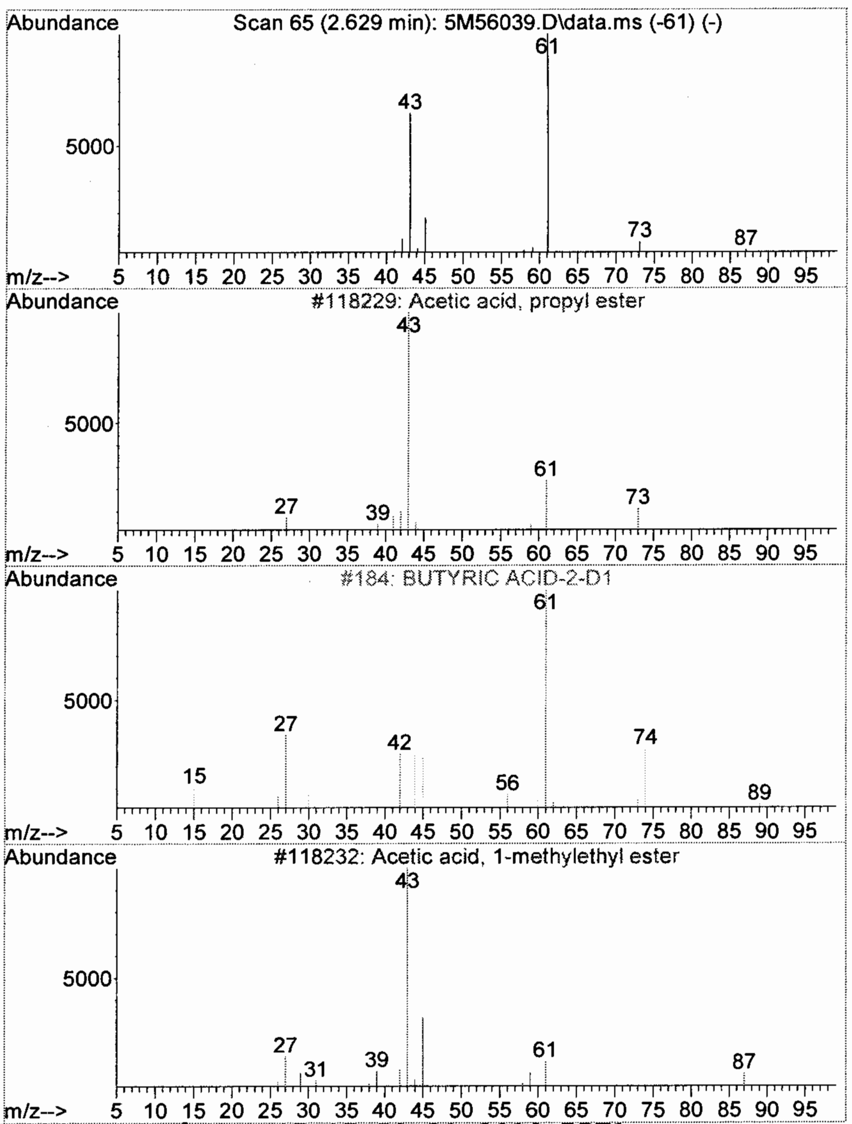
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

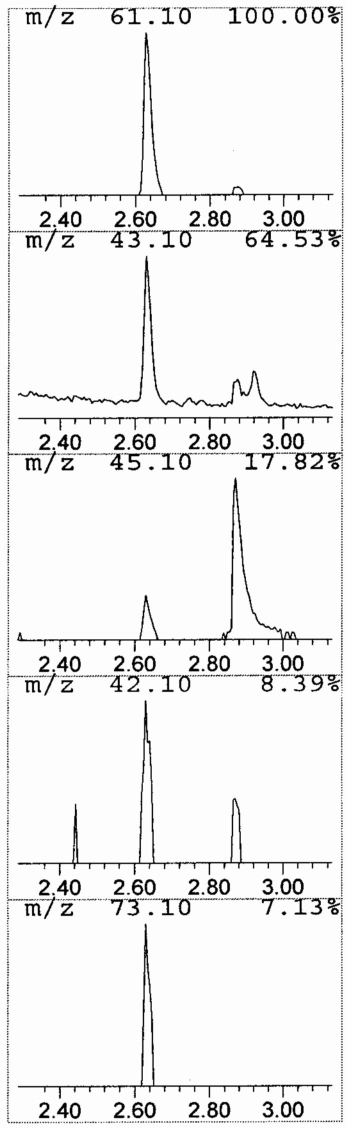
****

Peak Number 1 unknown — Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.63	4.03 ng	17459	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, propyl ester	102	C5H10O2	000109-60-4	9
2	BUTYRIC ACID-2-D1	88	C4H7DO2	000000-00-0	9
3	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	7
4	Ethanol, 2-amino-	61	C2H7NO	000141-43-5	4
5	Acetic acid, propyl ester	102	C5H10O2	000109-60-4	4





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

********************************************************************
Peak Number  2  3-Penten-2-one, 4-methyl-      Concentration Rank  2
```
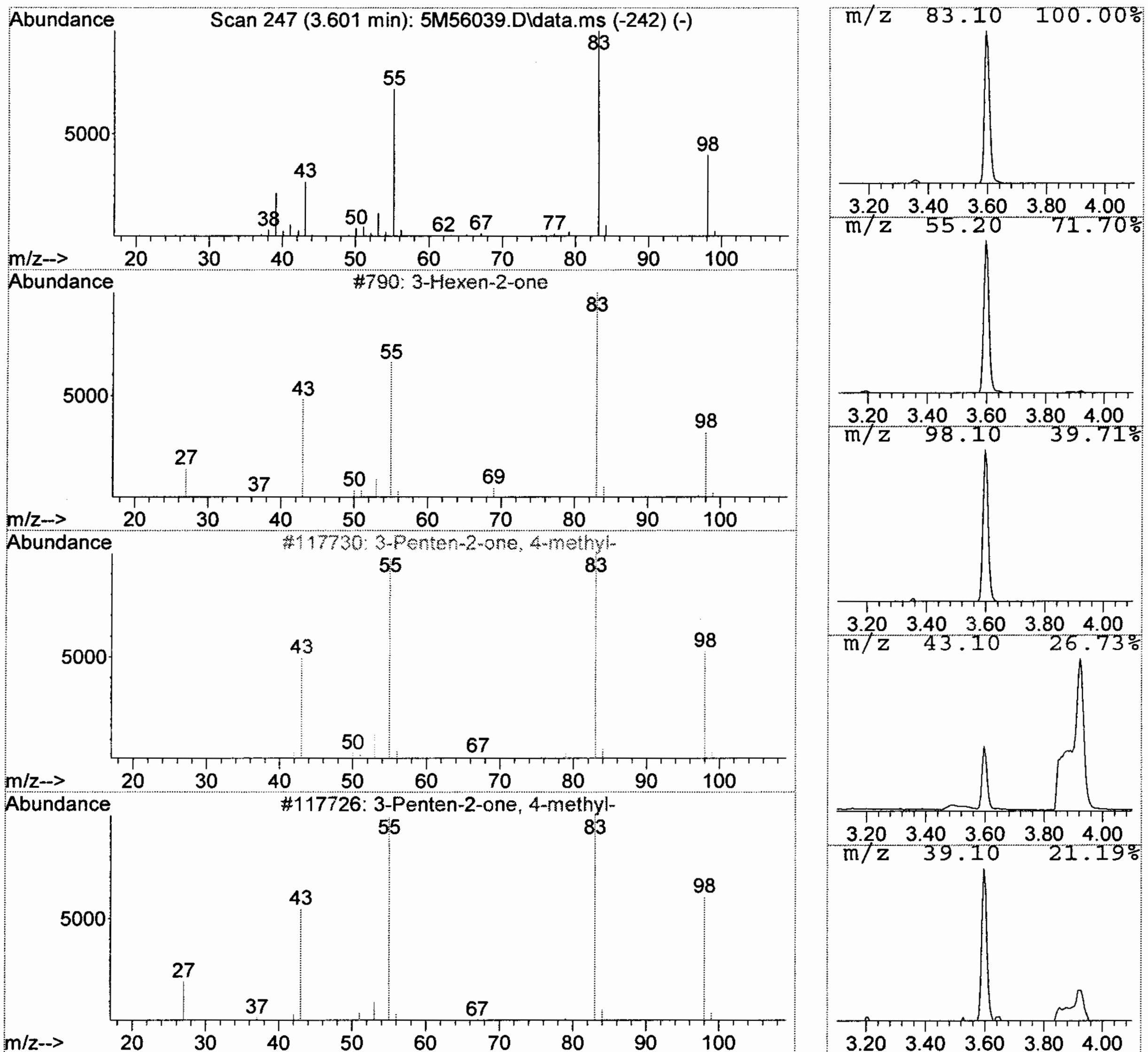

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	27.15 ng	117545	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	86



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

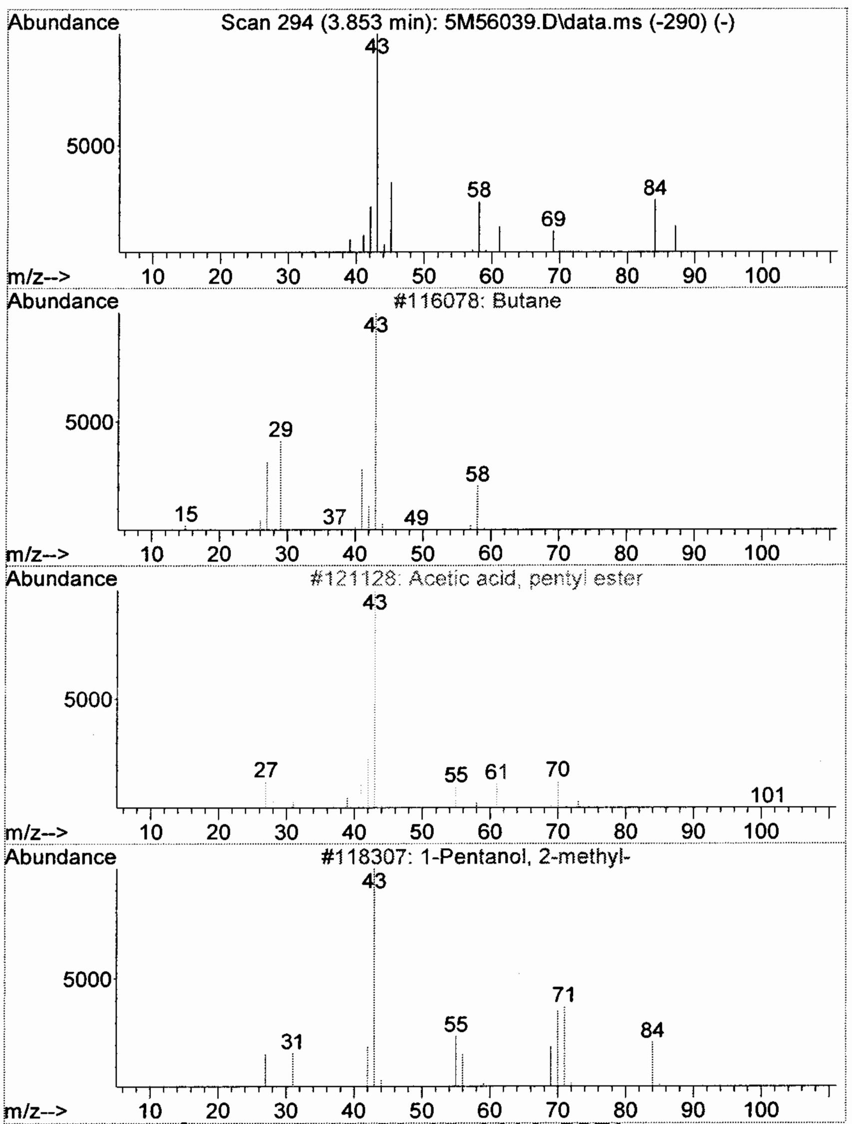
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

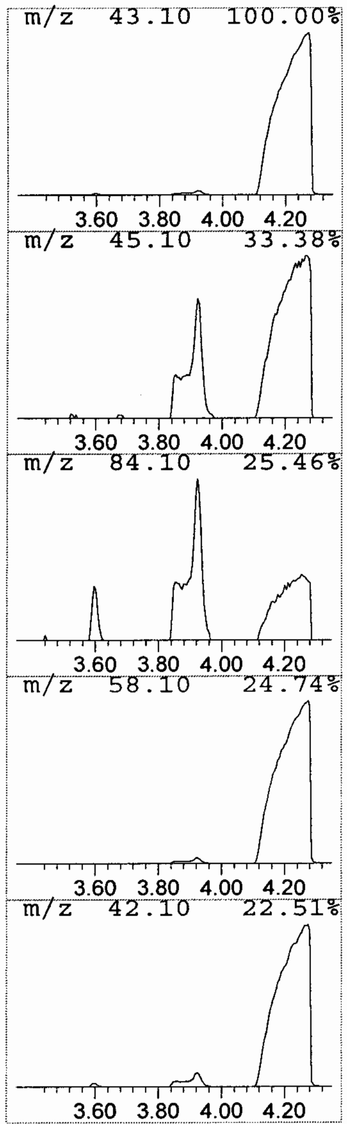
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	4.94 ng	21404	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	9
2	Acetic acid, pentyl ester	130	C7H14O2	000628-63-7	9
3	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	9
4	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	9
5	2,7-Octanedione	142	C8H14O2	001626-09-1	9





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

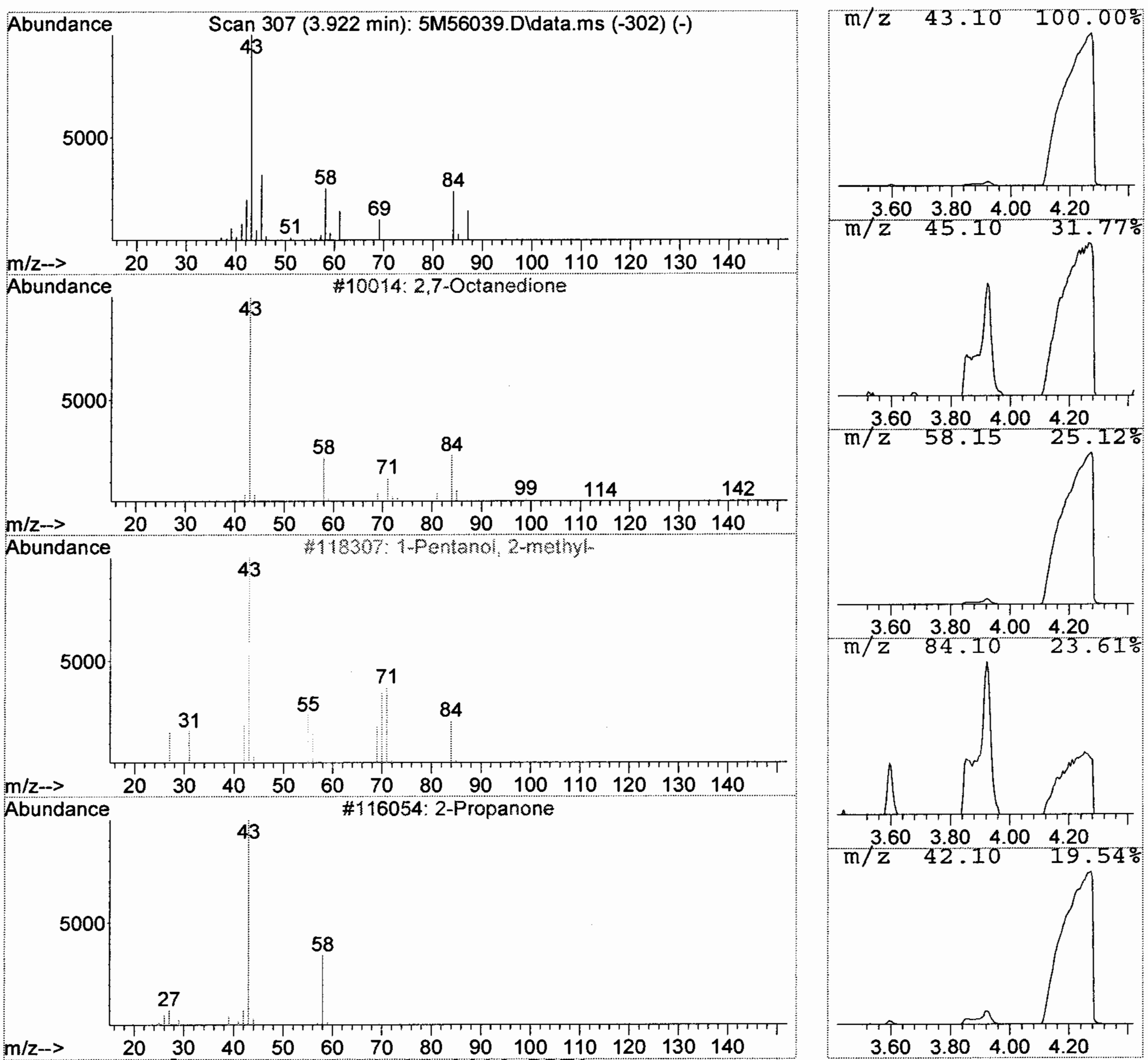
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 4 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	24.51 ng	106089	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Octanedione	142	C8H14O2	001626-09-1	25
2	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	17
3	2-Propanone	58	C3H6O	000067-64-1	9
4	2-Propanone	58	C3H6O	000067-64-1	9
5	2-Propanone	58	C3H6O	000067-64-1	9



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

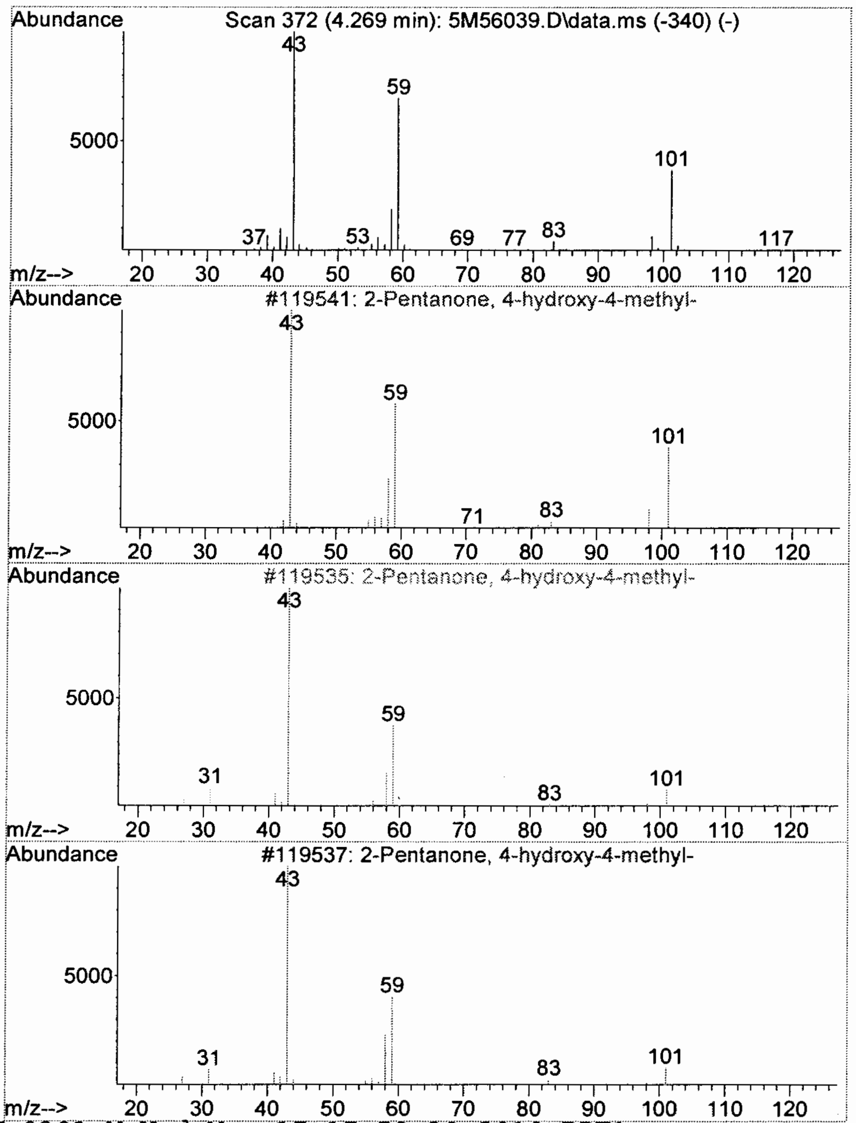
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

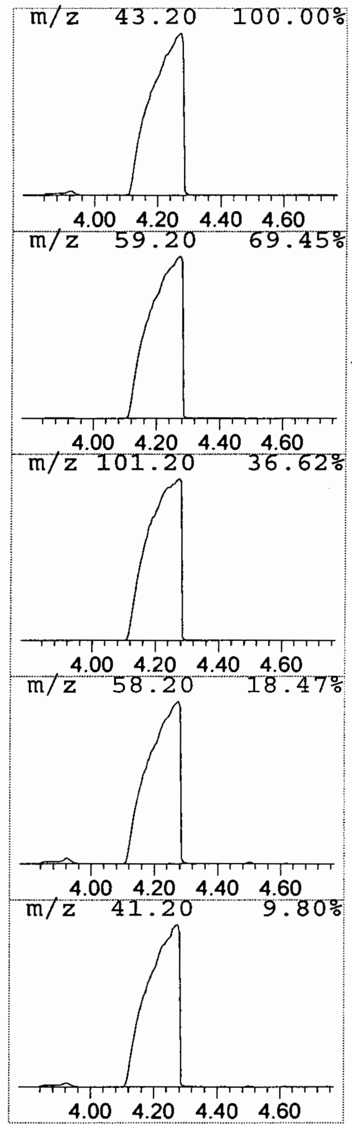
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	3684.17 ng	15948765	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	74
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

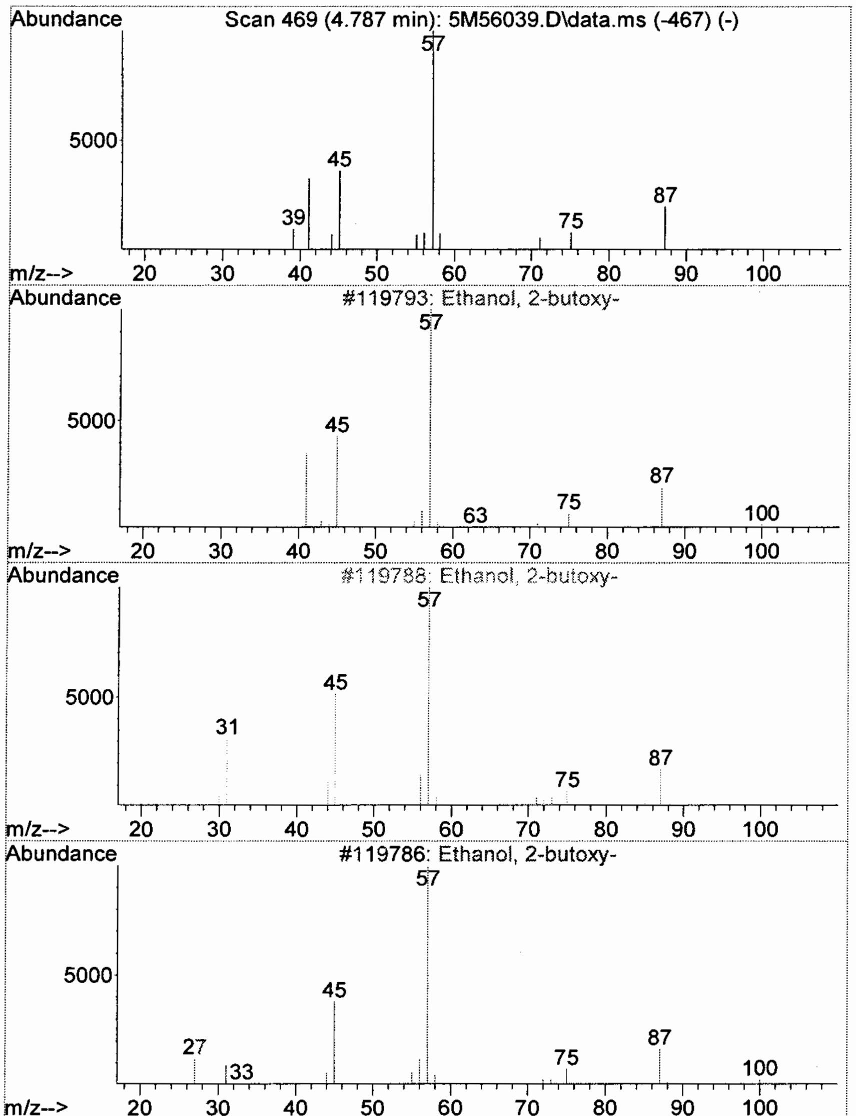
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

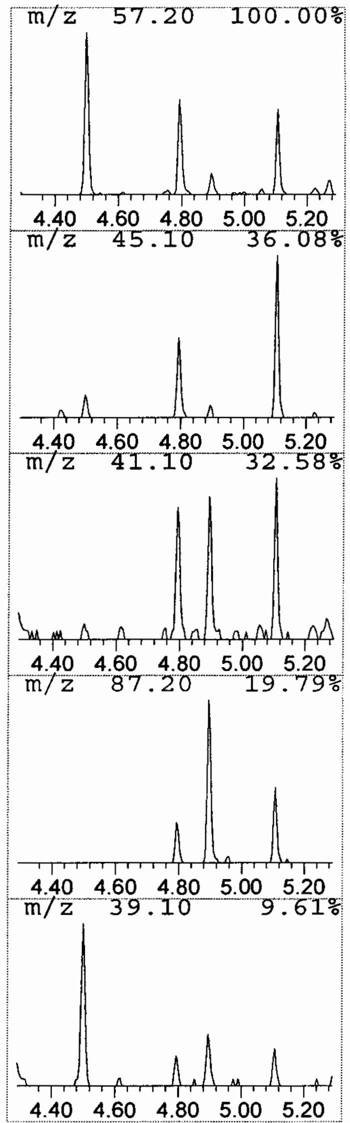
****

Peak Number 6 Ethanol, 2-butoxy- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	4.28 ng	18509	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	86
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	53
5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	50





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

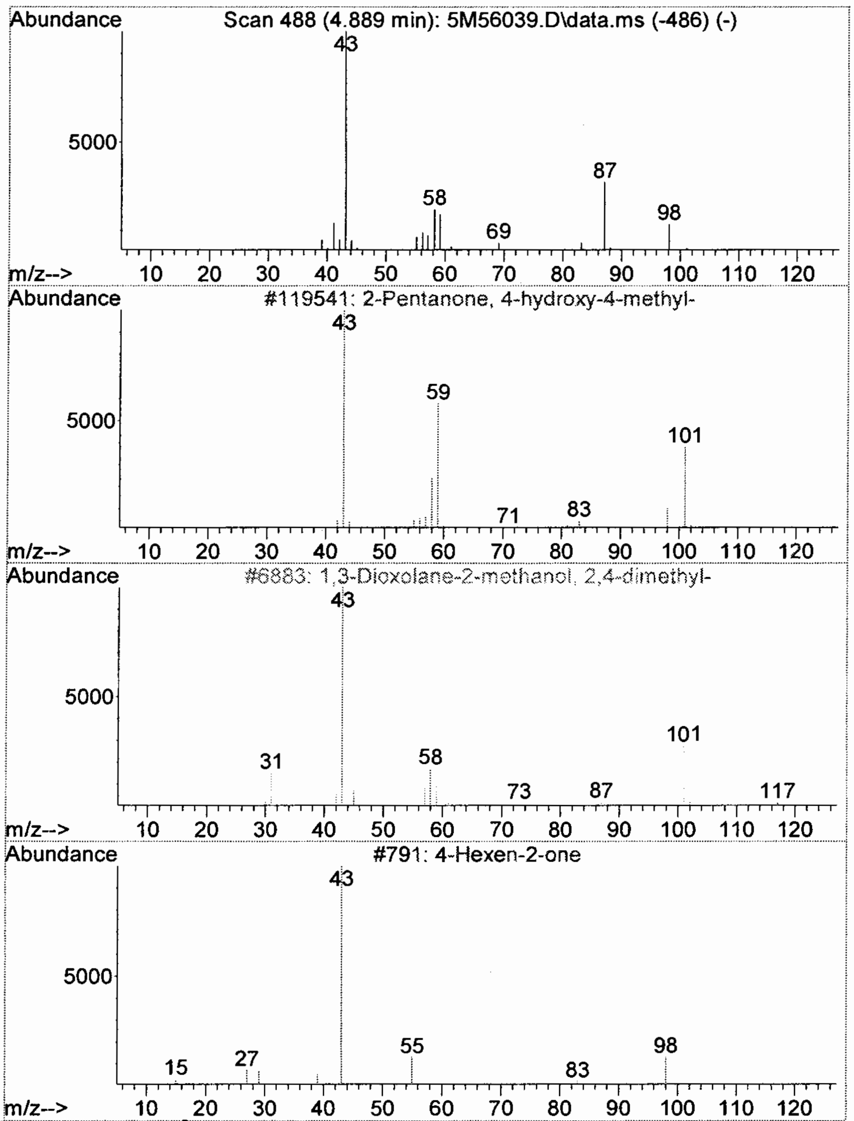
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

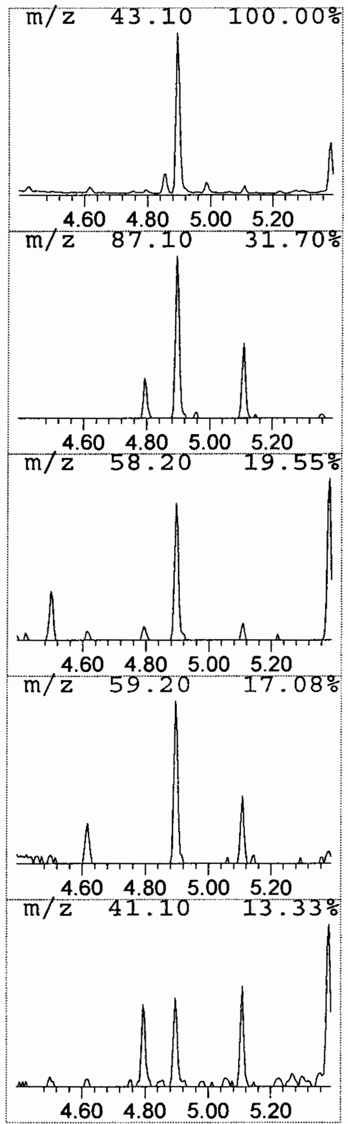
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	12.58 ng	54468	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	23
3	4-Hexen-2-one	98	C6H10O	025659-22-7	9
4	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	9
5	2H-Pyran, 3,4-dihydro-6-methyl-	98	C6H10O	016015-11-5	9





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

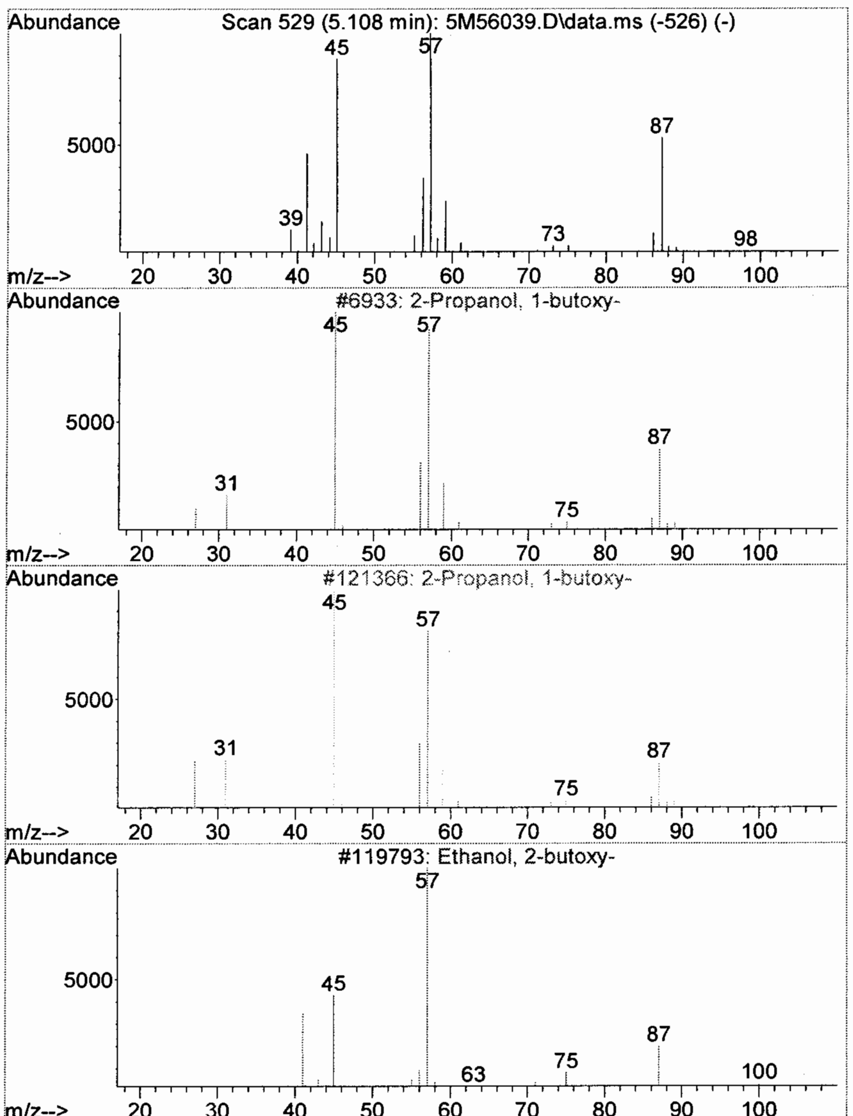
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

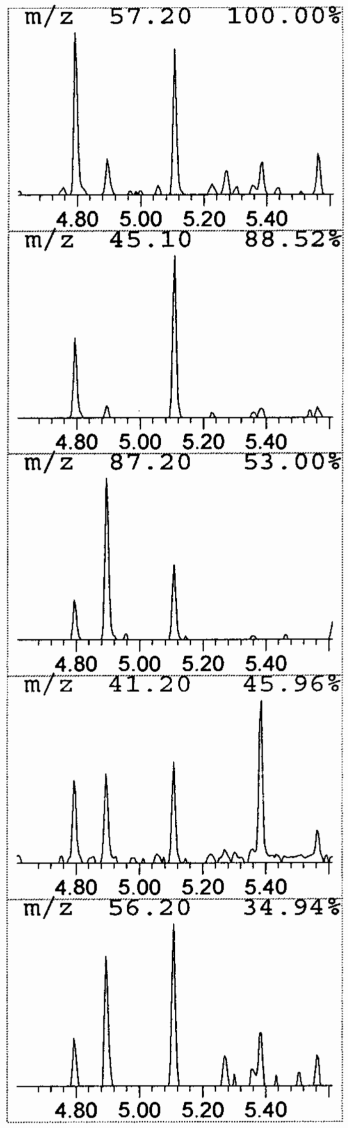
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2-Propanol, 1-butoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	5.70 ng	24675	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	83
2	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	72
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	53
4	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	36
5	2-Butanol, 3,3-dimethyl-	102	C6H14O	000464-07-3	36





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

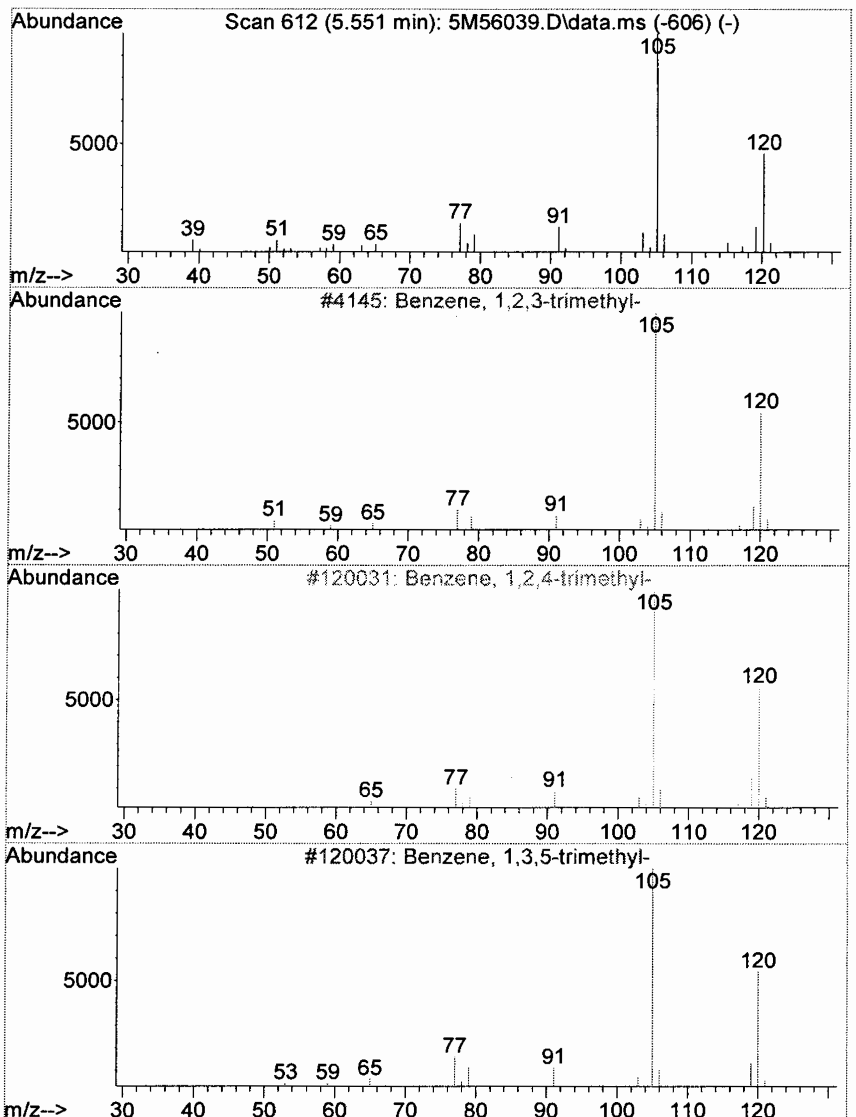
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

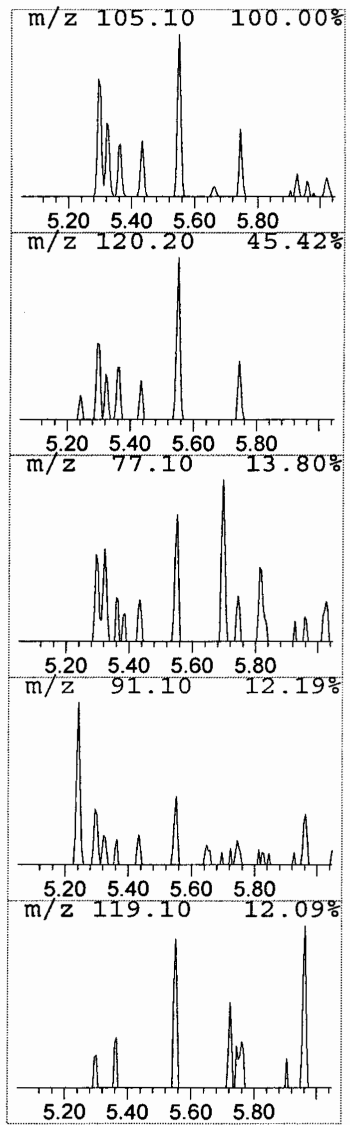
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	5.16 ng	22347	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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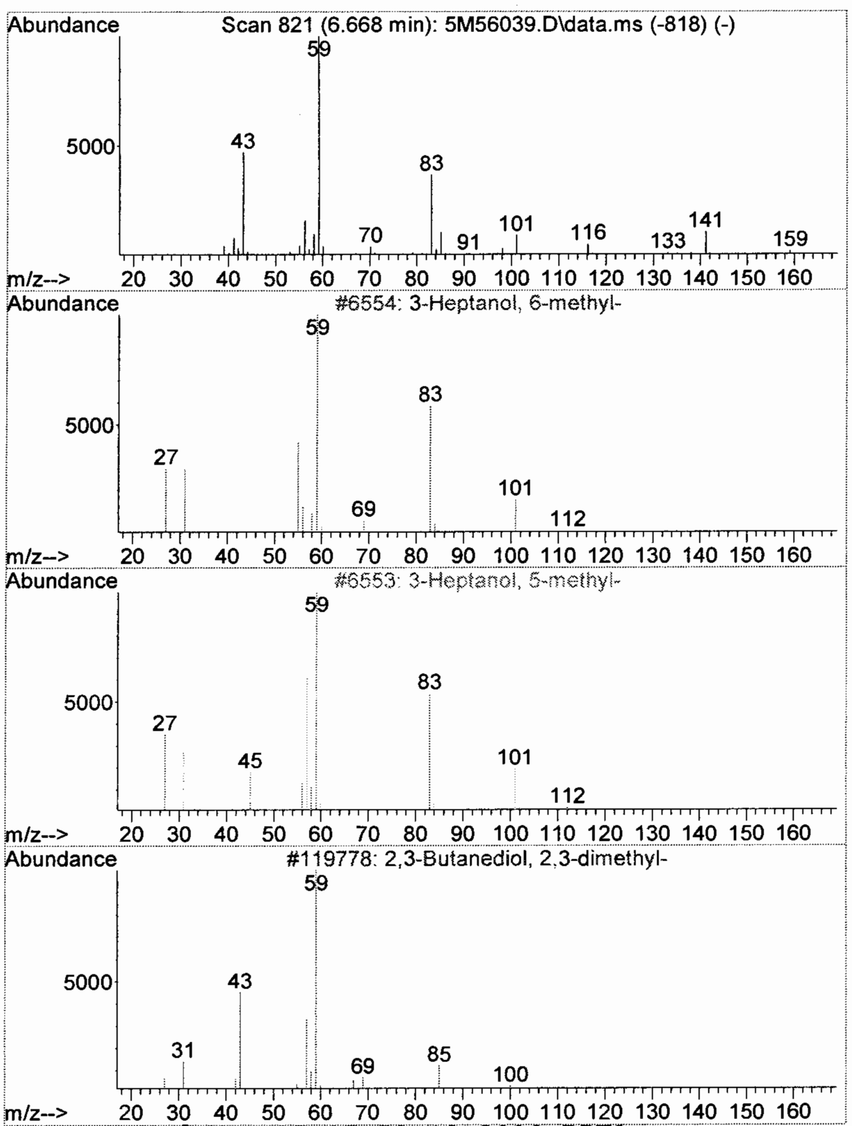
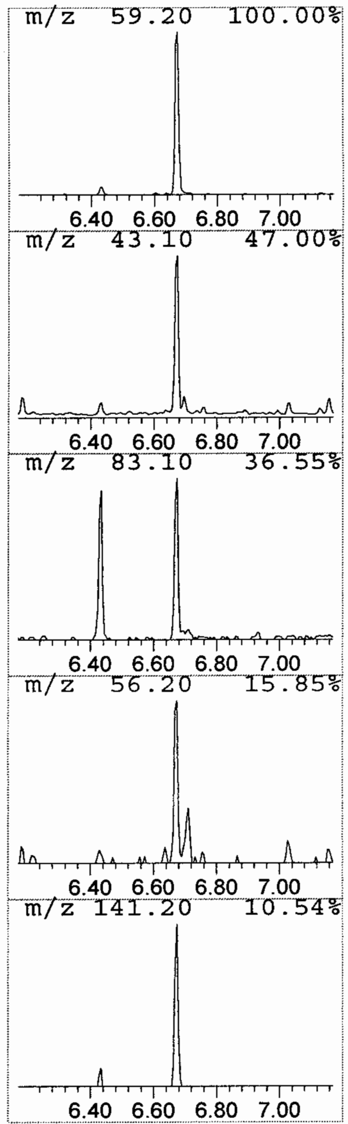

****

Peak Number 10 unknown — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	11.25 ng	69056	LibIS-Naphthalene-d8	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	64
2	3-Heptanol, 5-methyl-	130	C8H18O	018720-65-5	47
3	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	43
4	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	38
5	3-Octanol	130	C8H18O	000589-98-0	37





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On    : 16 Mar 2010  16:47
Operator  : AHD
Sample    : AC50199-005
Misc      : S,BNA
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

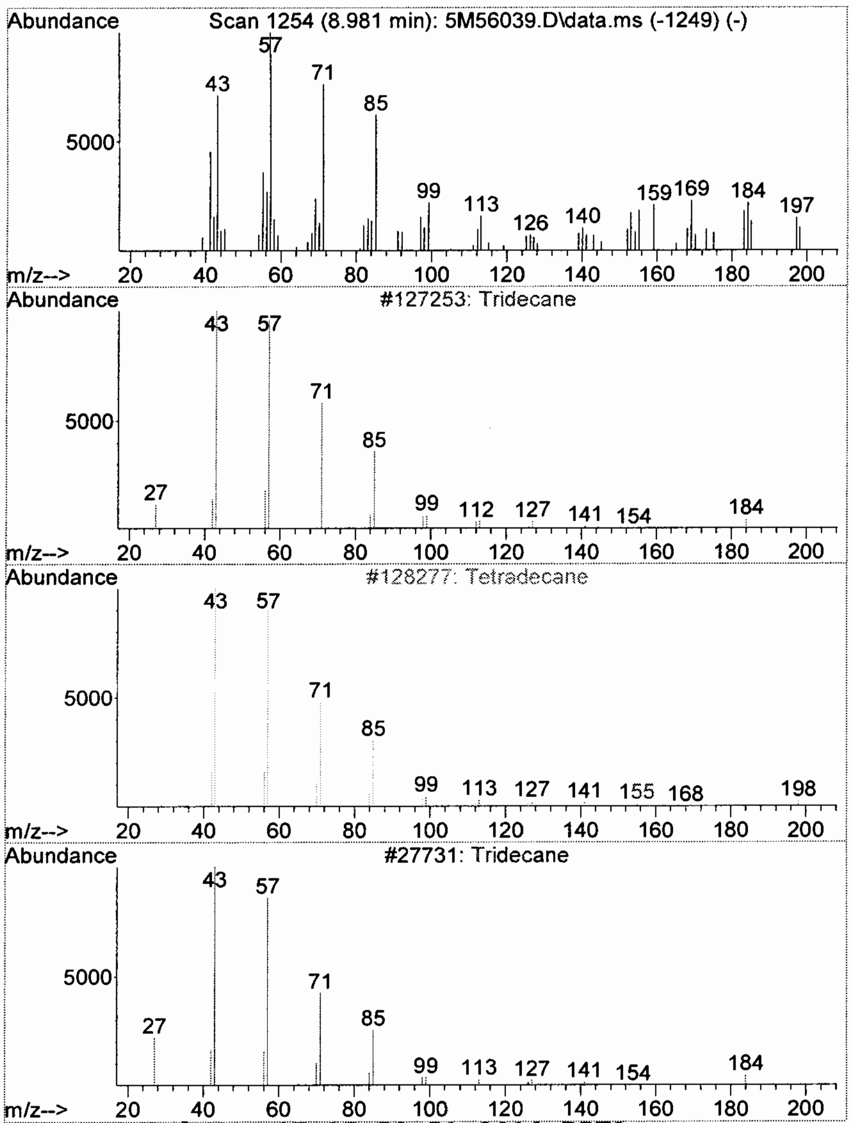
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

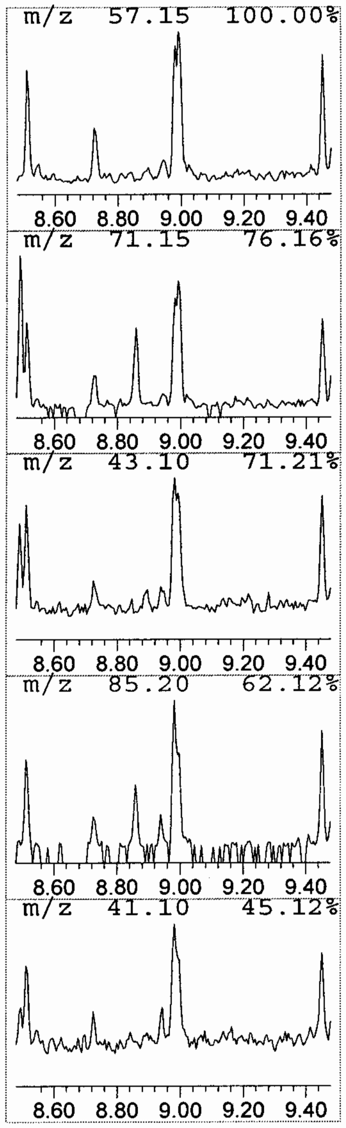
****

Peak Number 11 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	5.66 ng	52980	LibIS-Phenanthrene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	78
2	Tetradecane	198	C14H30	000629-59-4	70
3	Tridecane	184	C13H28	000629-50-5	60
4	Tridecane	184	C13H28	000629-50-5	60
5	Tetradecane	198	C14H30	000629-59-4	55





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56039.D
Acq On : 16 Mar 2010 16:47
Operator : AHD
Sample : AC50199-005
Misc : S,BNA
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,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
unknown	2.63	4.0	ng	17459	1	5.70	5.70	173160	40.0
3-Penten-2-one, 4...	3.60	27.2	ng	117545	1	5.70	5.70	173160	40.0
unknown	3.85	4.9	ng	21404	1	5.70	5.70	173160	40.0
unknown	3.92	24.5	ng	106089	1	5.70	5.70	173160	40.0
2-Pentanone, 4-hy...	4.27	3684.2	ng	15948765	1	5.70	5.70	173160	40.0
Ethanol, 2-butoxy-	4.79	4.3	ng	18509	1	5.70	5.70	173160	40.0
unknown	4.89	12.6	ng	54468	1	5.70	5.70	173160	40.0
2-Propanol, 1-but...	5.11	5.7	ng	24675	1	5.70	5.70	173160	40.0
Benzene, 1,2,3-tr...	5.55	5.2	ng	22347	1	5.70	5.70	173160	40.0
unknown	6.67	11.3	ng	69056	2	6.71	6.71	245460	40.0
Tridecane	8.98	5.7	ng	52980	4	9.58	9.58	374638	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-006
Client Id: PI-01-TP-RAU3030510SO1
Data File: 9M23729.D
Analysis Date: 03/12/10 20:13
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.097	U
122-66-7	1,2-Diphenylhydrazine	0.097	U
95-95-4	2,4,5-Trichlorophenol	0.097	U
88-06-2	2,4,6-Trichlorophenol	0.097	U
120-83-2	2,4-Dichlorophenol	0.097	U
105-67-9	2,4-Dimethylphenol	0.097	U
51-28-5	2,4-Dinitrophenol	0.48	U
121-14-2	2,4-Dinitrotoluene	0.097	U
606-20-2	2,6-Dinitrotoluene	0.097	U
91-58-7	2-Chloronaphthalene	0.097	U
95-57-8	2-Chlorophenol	0.097	U
91-57-6	**2-Methylnaphthalene**	**0.097**	**0.27**
95-48-7	2-Methylphenol	0.097	U
88-74-4	2-Nitroaniline	0.097	U
88-75-5	2-Nitrophenol	0.097	U
106-44-5	3&4-Methylphenol	0.097	U
91-94-1	3,3'-Dichlorobenzidine	0.097	U
99-09-2	3-Nitroaniline	0.097	U
534-52-1	4,6-Dinitro-2-methylphenol	0.48	U
101-55-3	4-Bromophenyl-phenylether	0.097	U
59-50-7	4-Chloro-3-methylphenol	0.097	U
106-47-8	4-Chloroaniline	0.097	U
7005-72-3	4-Chlorophenyl-phenylether	0.097	U
100-01-6	4-Nitroaniline	0.097	U
100-02-7	4-Nitrophenol	0.097	U
83-32-9	Acenaphthene	0.097	U
208-96-8	Acenaphthylene	0.097	U
62-53-3	Aniline	0.097	U
120-12-7	Anthracene	0.097	U
92-87-5	Benzidine	0.48	U
56-55-3	Benzo[a]anthracene	0.097	U
50-32-8	Benzo[a]pyrene	0.097	U
205-99-2	Benzo[b]fluoranthene	0.097	U
191-24-2	Benzo[g,h,i]perylene	0.097	U
207-08-9	Benzo[k]fluoranthene	0.097	U
65-85-0	Benzoic Acid	0.48	U
111-91-1	bis(2-Chloroethoxy)methan	0.097	U
111-44-4	bis(2-Chloroethyl)ether	0.097	U
108-60-1	bis(2-chloroisopropyl)ether	0.097	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.097	U
85-68-7	Butylbenzylphthalate	0.097	U
86-74-8	Carbazole	0.097	U
218-01-9	**Chrysene**	**0.097**	**0.14**
53-70-3	Dibenzo[a,h]anthracene	0.097	U
132-64-9	Dibenzofuran	0.097	U
84-66-2	Diethylphthalate	0.097	U
131-11-3	Dimethylphthalate	0.097	U
84-74-2	Di-n-butylphthalate	0.097	U
117-84-0	Di-n-octylphthalate	0.097	U
206-44-0	Fluoranthene	0.097	U
86-73-7	Fluorene	0.097	U
118-74-1	Hexachlorobenzene	0.097	U
87-68-3	Hexachlorobutadiene	0.097	U
77-47-4	Hexachlorocyclopentadiene	0.48	U
67-72-1	Hexachloroethane	0.097	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.097	U
78-59-1	Isophorone	0.097	U
91-20-3	**Naphthalene**	**0.097**	**0.20**
98-95-3	Nitrobenzene	0.097	U
62-75-9	N-Nitrosodimethylamine	0.097	U
621-64-7	N-Nitroso-di-n-propylamine	0.097	U
86-30-6	n-Nitrosodiphenylamine	0.097	U
87-86-5	Pentachlorophenol	0.48	U
85-01-8	**Phenanthrene**	**0.097**	**0.20**
108-95-2	Phenol	0.097	U
129-00-0	**Pyrene**	**0.097**	**0.15**

Worksheet #: 145846

Total Target Concentration 0.96

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: AC50199-006
Client Id: PI-01-TP-RAU3030510
Data File: 9M23729.D
Analysis Date: 03/12/10 20:13
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 69
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.55	1.2 JAB
2		unknown	3.12	1.3 JB
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.56	300 JAB
4		unknown	4.25	0.62 JB
5	3944-37-4	1-Propanol, 2-isopropoxy-	4.48	0.26 J
6	95-63-6	Benzene, 1,2,4-trimethyl-	4.93	0.26 J
7	5911-04-6	Nonane, 3-methyl-	6.45	0.25 J
8	90-12-0	Naphthalene, 1-methyl-	6.71	0.27 J
9	575-41-7	Naphthalene, 1,3-dimethyl-	7.17	0.23 J
10	13703-52-1	Benzene, (1,4-cyclohexadien-1-yl)-	7.19	0.26 J
11	571-58-4	Naphthalene, 1,4-dimethyl-	7.27	0.27 J
12	829-26-5	Naphthalene, 2,3,6-trimethyl-	7.78	0.28 J
13	3218-36-8	[1,1'-Biphenyl]-4-carboxaldehyde	8.06	0.23 J
14	1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	8.28	0.60 J
15		unknown	8.57	0.32 J
16	629-59-4	Tetradecane	8.72	0.22 J
17	629-92-5	Nonadecane	9.18	0.25 J
18	87221-28-1	(E)-6-Ethylidene-6H-dibenzo[b,d]thiopyr	9.34	0.25 J
19	613-12-7	Anthracene, 2-methyl-	9.37	0.35 J
20	613-12-7	Anthracene, 2-methyl-	9.45	0.25 J
21	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.96	0.31 J
22		unknown	10.77	0.28 J
23		unknown	10.89	0.23 J
24	544-76-3	Hexadecane	11.35	0.25 J
25	629-62-9	Pentadecane	11.75	0.32 J

Worksheet #: 145846

Total Tentatively Identified Concentration 310

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.

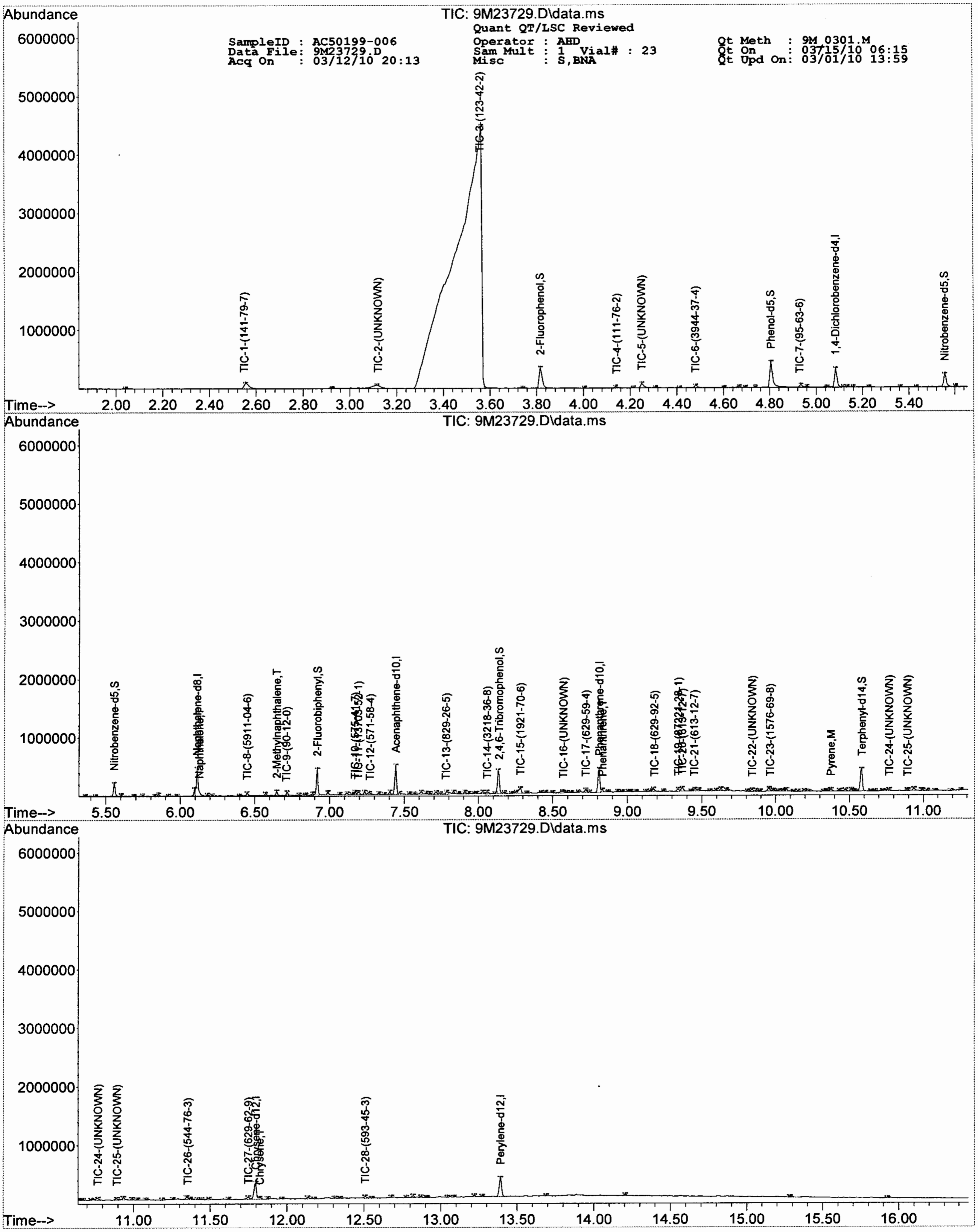
Quantitation Report (QT/LSC Reviewed)

SampleID : AC50199-006 Operator : AHD Qt Meth : 9M_0301.M
Data File: 9M23729.D Sam Mult : 1 Vial# : 23 Qt On : 03/15/10 06:15
Acq On : 03/12/10 20:13 Misc : S,BNA Qt Upd On: 03/01/10 13:59

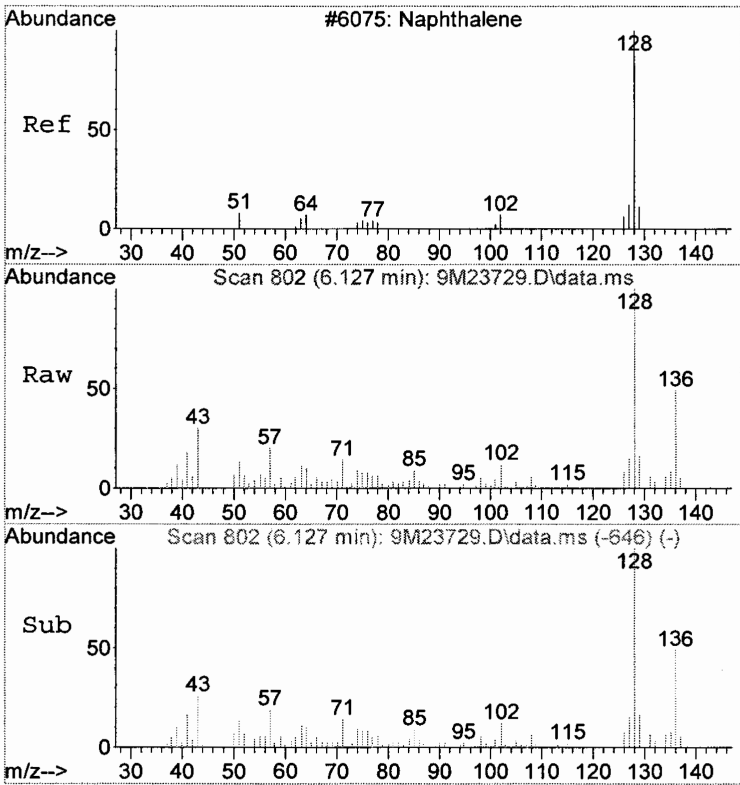
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.084	152	33237	40.00	ng	-0.18
29) Naphthalene-d8	6.111	136	134861	40.00	ng	-0.18
47) Acenaphthene-d10	7.442	164	74530	40.00	ng	-0.20
73) Phenanthrene-d10	8.812	188	119862	40.00	ng	-0.23
87) Chrysene-d12	11.796	240	99275	40.00	ng	-0.26
102) Perylene-d12	13.390	264	118770	40.00	ng	-0.27
System Monitoring Compounds						
10) 2-Fluorophenol	3.816	112	77762	87.01	ng	-0.19
Spiked Amount 100.000			Recovery =	87.01%		
15) Phenol-d5	4.805	99	110079	94.46	ng	-0.17
Spiked Amount 100.000			Recovery =	94.46%		
30) Nitrobenzene-d5	5.554	128	21766	38.51	ng	-0.18
Spiked Amount 50.000			Recovery =	77.02%		
52) 2-Fluorobiphenyl	6.918	172	96856	37.99	ng	-0.18
Spiked Amount 50.000			Recovery =	75.98%		
76) 2,4,6-Tribromophenol	8.138	330	32397	145.41	ng	-0.22
Spiked Amount 100.000			Recovery =	145.41%		
90) Terphenyl-d14	10.582	244	113268	39.77	ng	-0.25
Spiked Amount 50.000			Recovery =	79.54%		
Target Compounds						Qvalue
39) Naphthalene	6.127	128	14230	4.15	ng	90
44) 2-Methylnaphthalene	6.645	142	13115	5.60	ng	96
82) Phenanthrene	8.833	178	14726	4.22	ng	97
88) Pyrene	10.373	202	12333	3.09	ng	91
100) Chrysene	11.823	228	9672	2.80	ng	94
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.084		229780	40.00	ng	--
2) Naphthalene-d8	6.111		323664m	40.00	ng	--
3) Acenaphthene-d10	7.442		376410m	40.00	ng	--
4) Phenanthrene-d10	8.812		366305m	40.00	ng	--
5) Chrysene-d12	11.796		341050m	40.00	ng	--
6) Perylene-d12	13.390		361427m	40.00	ng	--
Library Search Compounds						
1) 141-79-7	2.550		137809	23.99	ng	91
2) UNKNOWN	3.120		149438	26.01	ng	--
3) 123-42-2	3.560		35204868	6128.45	ng	64
4) 111-76-2	4.140		25556	4.45	ng	83
5) UNKNOWN	4.250		73865	12.86	ng	--
6) 3944-37-4	4.480		31159	5.42	ng	50
7) 95-63-6	4.930		30937	5.39	ng	94
8) 5911-04-6	6.450		41434	5.12	ng	72
9) 90-12-0	6.710		45986	5.68	ng	94
10) 575-41-7	7.170		44557	4.73	ng	96
11) 13703-52-1	7.190		51189	5.44	ng	64
12) 571-58-4	7.270		51829	5.51	ng	95
13) 829-26-5	7.780		54840	5.83	ng	91
14) 3218-36-8	8.060		44490	4.73	ng	81
15) 1921-70-6	8.280		112932	12.33	ng	91
16) UNKNOWN	8.570		60867	6.65	ng	--
17) 629-59-4	8.720		42120	4.60	ng	80
18) 629-92-5	9.180		47770	5.22	ng	93
19) 87221-28-1	9.340		46930	5.12	ng	64
20) 613-12-7	9.370		66310	7.24	ng	58
21) 613-12-7	9.450		46935	5.13	ng	81
22) UNKNOWN	9.840		41636	4.55	ng	--
23) 1576-69-8	9.960		58970	6.44	ng	92
24) UNKNOWN	10.770		49188	5.77	ng	--
25) UNKNOWN	10.890		39854	4.67	ng	--
26) 544-76-3	11.350		43706	5.13	ng	64
27) 629-62-9	11.750		56374	6.61	ng	78
28) 593-45-3	12.510		37571	4.41	ng	89

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



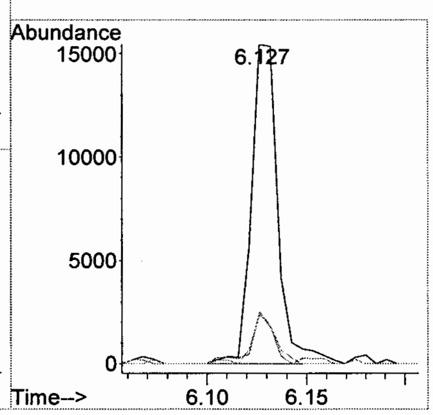
Abundance
TIC: 9M23729.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-006
Data File: 9M23729.D
Acq On : 03/12/10 20:13
Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : S,BNA
Qt Meth : 9M_0301.M
Qt On : 03/15/10 06:15
Qt Upd On: 03/01/10 13:59
TIC-1-(141-79-7)
TIC-2-(UNKNOWN)
TIC-3-(123-42-2)
2-Fluorophenol,S
TIC-4-(111-76-2)
TIC-5-(UNKNOWN)
TIC-6-(3944-37-4)
Phenol-d5,S
TIC-7-(95-63-6)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->
Naphthalene-d8,I
TIC-8-(5911-04-6)
2-Methylnaphthalene,T
TIC-9-(90-12-0)
2-Fluorobiphenyl,S
TIC-12-(571-58-4)
Acenaphthene-d10,I
TIC-13-(829-26-5)
TIC-14-(3218-36-8)
2,4,6-Tribromophenol,S
TIC-15-(1921-70-6)
TIC-16-(UNKNOWN)
TIC-17-(629-59-4)
Phenanthrene-d10,I
TIC-18-(629-92-5)
TIC-21-(613-12-7)
TIC-22-(UNKNOWN)
TIC-23-(1576-69-8)
Pyrene,M
Terphenyl-d14,S
TIC-24-(UNKNOWN)
TIC-25-(UNKNOWN)
TIC-26-(544-76-3)
TIC-27-(629-62-9)
Chrysene-d12,I
TIC-28-(593-45-3)
Perylene-d12,I

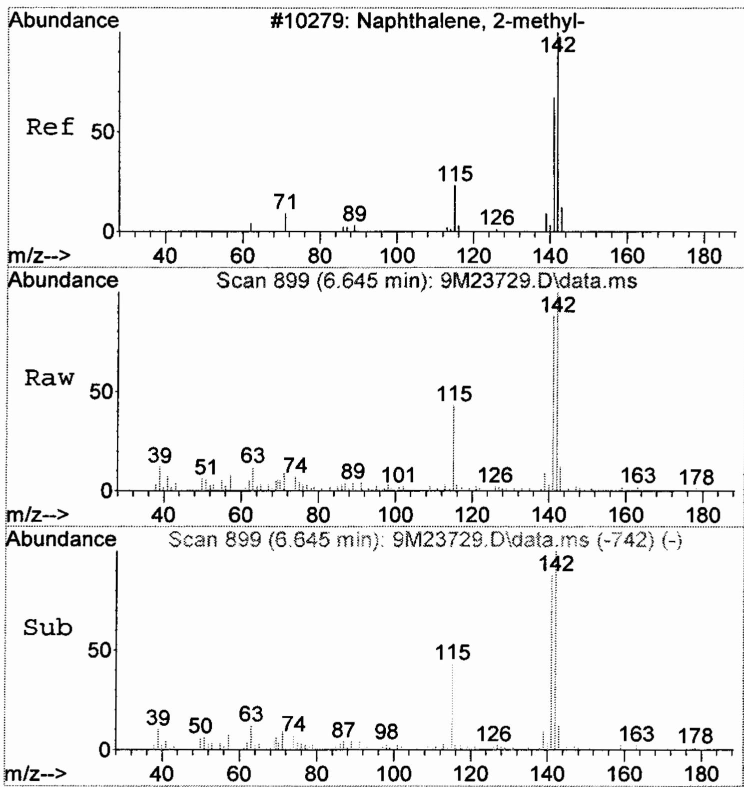


#39
Naphthalene
Concen: 4.15 ng
RT: 6.127 min Scan# 802
Delta R.T. -0.182 min
Lab File: 9M23729.D
Acq: 12 Mar 2010 20:13

Tgt Ion:128 Resp: 14230

Ion	Ratio	Lower	Upper
128	100		
129	16.0	0.0	50.9
127	15.3	0.0	52.4

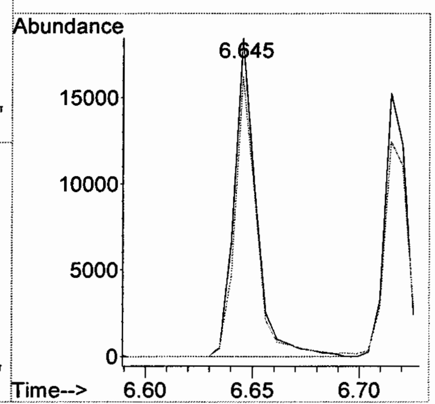


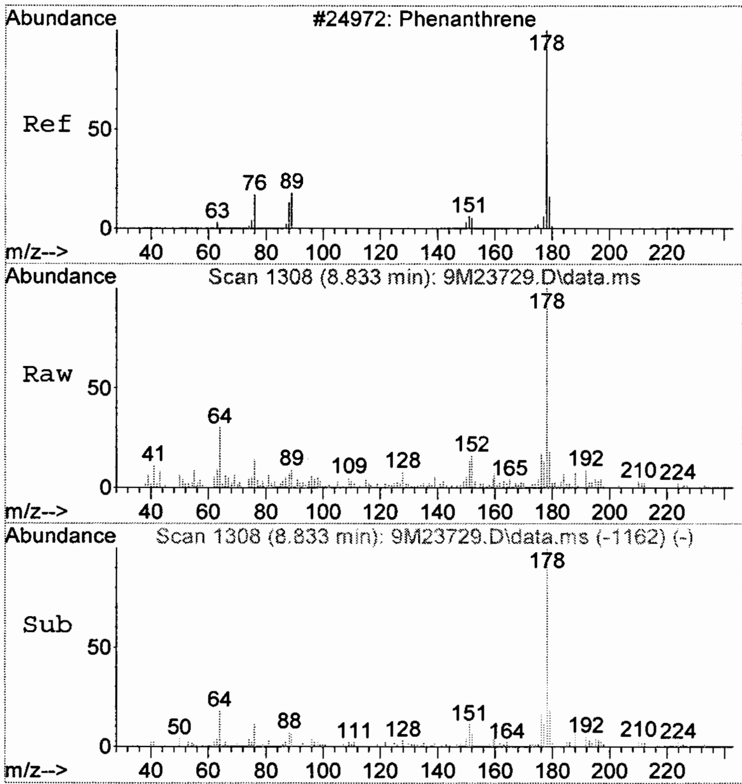


#44
2-Methylnaphthalene
Concen: 5.60 ng
RT: 6.645 min Scan# 899
Delta R.T. -0.177 min
Lab File: 9M23729.D
Acq: 12 Mar 2010 20:13

Tgt Ion:142 Resp: 13115

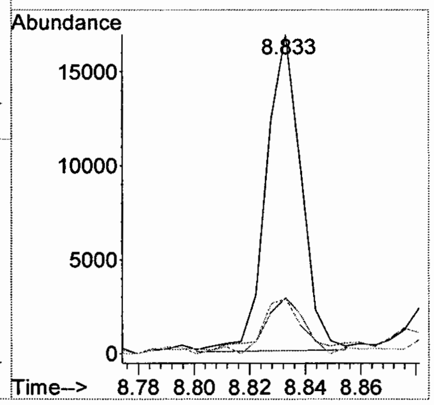
Ion	Ratio	Lower	Upper
142	100		
141	88.1	44.6	124.6

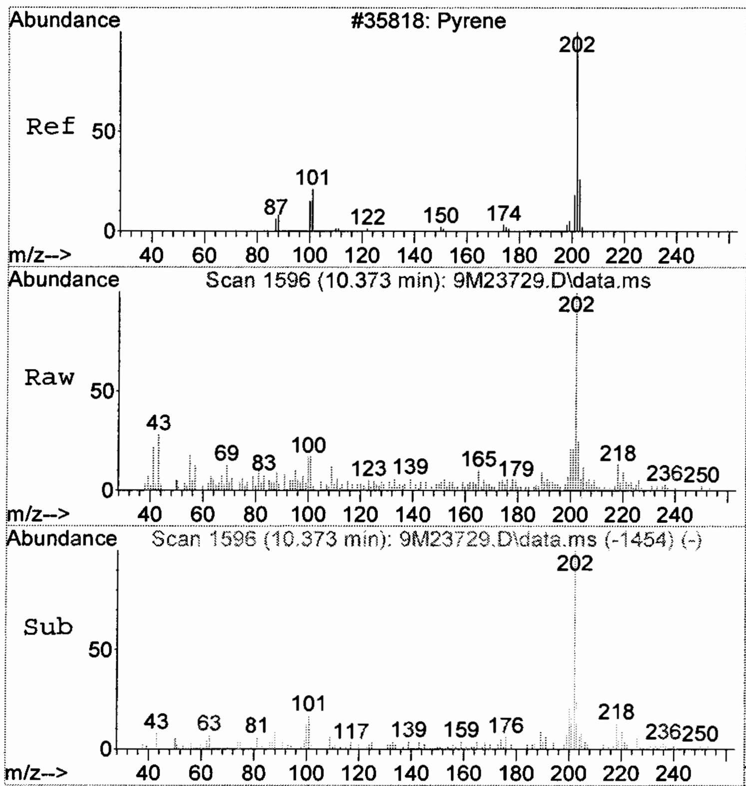




#82
Phenanthrene
Concen: 4.22 ng
RT: 8.833 min Scan# 1308
Delta R.T. -0.235 min
Lab File: 9M23729.D
Acq: 12 Mar 2010 20:13

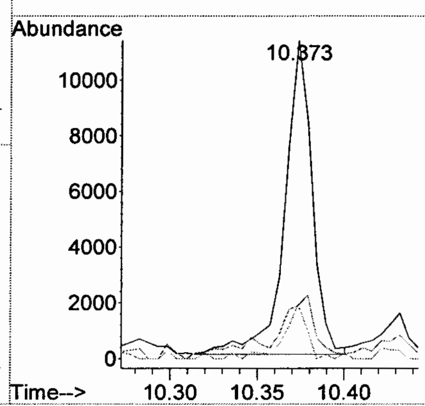
Tgt	Ion:178	Resp:	14726
Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	55.5
176	17.5	0.0	59.3

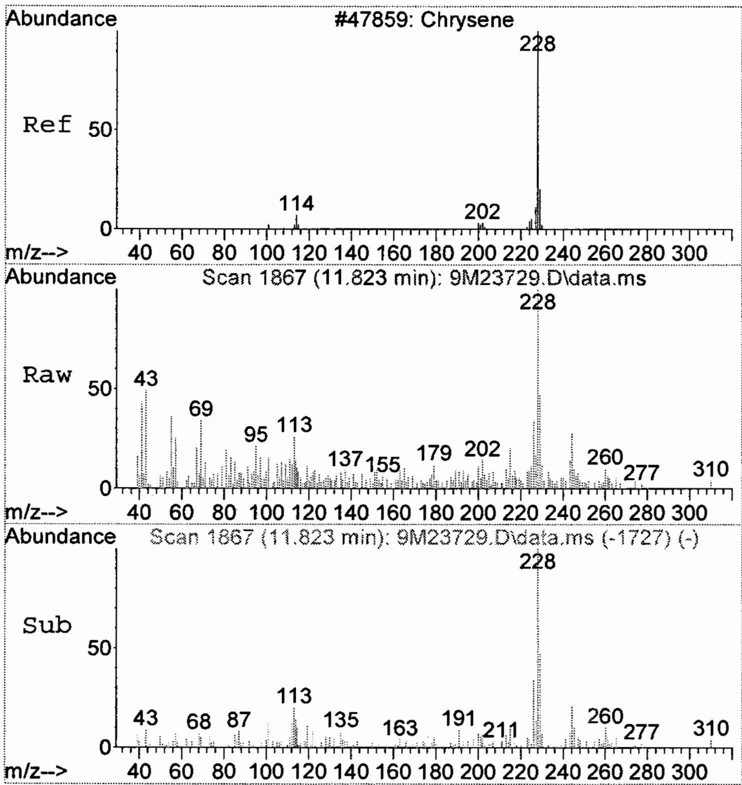




#88
Pyrene
Concen: 3.09 ng
RT: 10.373 min Scan# 1596
Delta R.T. -0.257 min
Lab File: 9M23729.D
Acq: 12 Mar 2010 20:13

Tgt	Ion:202	Resp:	12333
Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	62.2
100	17.2	0.0	57.8

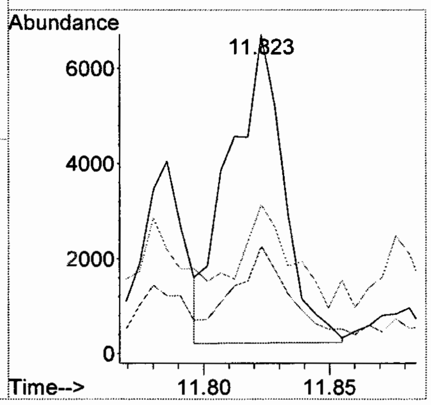




#100
Chrysene
Concen: 2.80 ng
RT: 11.823 min Scan# 1867
Delta R.T. -0.268 min
Lab File: 9M23729.D
Acq: 12 Mar 2010 20:13

Tgt Ion:228 Resp: 9672

Ion	Ratio	Lower	Upper
228	100		
226	27.4	9.5	49.5
229	24.7	0.0	60.2



LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On    : 12 Mar 2010  20:13
Operator  : AHD
Sample    : AC50199-006
Misc      : S,BNA
ALS Vial  : 23   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\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270

Signal     : TIC: 9M23729.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.040	34	38	39	rBV2	7916	8783	0.02%	0.020%
2	2.554	130	134	144	rBV	89163	137809	0.39%	0.316%
3	2.923	198	203	204	rBV2	9147	10590	0.03%	0.024%
4	3.115	229	239	251	rVB	55978	149438	0.42%	0.343%
5	3.565	267	323	325	rBV	4487755	35204868	100.00%	80.834%
6	3.741	350	356	362	rBV3	8824	13412	0.04%	0.031%
7	3.816	367	370	385	rVB	346448	321108	0.91%	0.737%
8	4.003	399	405	409	rBV3	8646	8772	0.02%	0.020%
9	4.137	427	430	438	rBV	23797	25556	0.07%	0.059%
10	4.212	441	444	449	rBV	8882	7934	0.02%	0.018%
11	4.249	449	451	459	rVV	77885	73865	0.21%	0.170%
12	4.308	459	462	469	rVB5	12931	17654	0.05%	0.041%
13	4.410	477	481	486	rVB4	5832	9804	0.03%	0.023%
14	4.479	492	494	500	rVB	34948	31159	0.09%	0.072%
15	4.602	512	517	521	rBV2	7943	9916	0.03%	0.023%
16	4.666	525	529	532	rBV	18499	18537	0.05%	0.043%
17	4.693	532	534	537	rVB2	11624	8896	0.03%	0.020%
18	4.736	539	542	547	rBV2	16710	14117	0.04%	0.032%
19	4.805	552	555	563	rBV	435632	373937	1.06%	0.859%
20	4.934	576	579	582	rBV	42672	30937	0.09%	0.071%
21	4.961	582	584	590	rVB	20952	16292	0.05%	0.037%
22	5.046	594	600	604	rBV4	9844	17043	0.05%	0.039%
23	5.084	604	607	611	rVV	320375	235714	0.67%	0.541%
24	5.116	611	613	615	rVV	16220	13245	0.04%	0.030%
25	5.132	615	616	619	rVV	15654	11581	0.03%	0.027%
26	5.158	619	621	624	rVB	12681	10003	0.03%	0.023%
27	5.228	632	634	641	rVB4	10454	12104	0.03%	0.028%
28	5.362	657	659	663	rBV4	9071	8167	0.02%	0.019%
29	5.431	669	672	677	rVB4	5133	6541	0.02%	0.015%
30	5.554	693	695	701	rVB	215962	173235	0.49%	0.398%
31	5.602	701	704	707	rBV	21869	14514	0.04%	0.033%
32	5.688	716	720	726	rBV7	7501	14408	0.04%	0.033%
33	5.747	728	731	734	rVB3	15659	15342	0.04%	0.035%
34	5.827	741	746	748	rBV4	8600	7692	0.02%	0.018%
35	5.854	748	751	756	rVB	31759	24223	0.07%	0.056%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	5.918	761	763	766	rBV3	8679	6338	0.02%	0.015%
37	5.977	770	774	782	rVB7	7144	11658	0.03%	0.027%
38	6.094	790	796	797	rBV	117830	86545	0.25%	0.199%
39	6.111	797	799	810	rVB	466047	407711	1.16%	0.936%
40	6.180	810	812	815	rBV	20870	12546	0.04%	0.029%
41	6.217	816	819	821	rVB3	7300	6349	0.02%	0.015%
42	6.394	849	852	854	rBV2	6283	7019	0.02%	0.016%
43	6.447	858	862	868	rBV	47313	41434	0.12%	0.095%
44	6.570	883	885	890	rVB	33638	27543	0.08%	0.063%
45	6.645	895	899	904	rVB	72155	55110	0.16%	0.127%
46	6.715	909	912	915	rBV	57688	45986	0.13%	0.106%
47	6.795	922	927	929	rBV5	18277	16768	0.05%	0.039%
48	6.838	933	935	939	rVB3	14825	14097	0.04%	0.032%
49	6.886	939	944	946	rBV	30449	23268	0.07%	0.053%
50	6.918	946	950	955	rVB	440038	324886	0.92%	0.746%
51	6.988	960	963	968	rBV2	49529	39321	0.11%	0.090%
52	7.068	975	978	982	rBV3	17552	18922	0.05%	0.043%
53	7.116	984	987	990	rBV	27981	29304	0.08%	0.067%
54	7.153	990	994	995	rVV4	12176	12264	0.03%	0.028%
55	7.170	995	997	999	rVV	53966	44557	0.13%	0.102%
56	7.191	999	1001	1006	rVV4	43401	51189	0.15%	0.118%
57	7.234	1006	1009	1011	rVV	49672	39324	0.11%	0.090%
58	7.266	1011	1015	1023	rVB3	30405	51829	0.15%	0.119%
59	7.330	1023	1027	1032	rBV3	25901	23014	0.07%	0.053%
60	7.367	1032	1034	1037	rVB3	11585	8104	0.02%	0.019%
61	7.405	1037	1041	1043	rBV	56105	41035	0.12%	0.094%
62	7.442	1043	1048	1051	rBV	493937	391773	1.11%	0.900%
63	7.469	1051	1053	1057	rVB4	25902	28127	0.08%	0.065%
64	7.533	1061	1065	1069	rBV6	17485	22716	0.06%	0.052%
65	7.571	1069	1072	1075	rBV4	13040	17331	0.05%	0.040%
66	7.613	1077	1080	1083	rVB3	41189	37390	0.11%	0.086%
67	7.651	1083	1087	1089	rVB2	25024	21285	0.06%	0.049%
68	7.672	1089	1091	1095	rVB4	22874	18359	0.05%	0.042%
69	7.715	1095	1099	1102	rBV4	38019	39312	0.11%	0.090%
70	7.742	1102	1104	1108	rVB5	19472	19719	0.06%	0.045%
71	7.785	1108	1112	1115	rBV3	42110	54840	0.16%	0.126%
72	7.833	1119	1121	1123	rVB	36975	25728	0.07%	0.059%
73	7.865	1124	1127	1132	rVB6	16595	22276	0.06%	0.051%
74	7.908	1132	1135	1138	rBV3	38499	31646	0.09%	0.073%
75	7.934	1138	1140	1144	rBV4	18166	20378	0.06%	0.047%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

76	7.972	1144	1147	1148	rVV3	11282	9551	0.03%	0.022%
77	7.988	1148	1150	1153	rVB3	14904	11887	0.03%	0.027%
78	8.031	1153	1158	1160	rBV2	33501	33829	0.10%	0.078%
79	8.057	1160	1163	1168	rVB4	37507	44490	0.13%	0.102%
80	8.111	1168	1173	1174	rBV5	9708	12488	0.04%	0.029%
81	8.132	1174	1177	1182	rVV	393956	362029	1.03%	0.831%
82	8.175	1182	1185	1190	rVB6	26996	28484	0.08%	0.065%
83	8.223	1190	1194	1195	rBV4	10995	10298	0.03%	0.024%
84	8.255	1195	1200	1201	rVV5	22411	26629	0.08%	0.061%
85	8.282	1201	1205	1209	rVB	88857	112932	0.32%	0.259%
86	8.325	1209	1213	1215	rBV4	16392	18879	0.05%	0.043%
87	8.421	1227	1231	1235	rBV6	15572	23457	0.07%	0.054%
88	8.453	1235	1237	1239	rBV3	14773	12542	0.04%	0.029%
89	8.501	1244	1246	1249	rVB4	18120	15127	0.04%	0.035%
90	8.566	1251	1258	1262	rBV9	29513	60867	0.17%	0.140%
91	8.598	1262	1264	1266	rVB3	14184	9149	0.03%	0.021%
92	8.624	1266	1269	1272	rBV5	11576	12846	0.04%	0.029%
93	8.673	1274	1278	1279	rBV4	20800	22243	0.06%	0.051%
94	8.721	1284	1287	1290	rVB3	47638	42120	0.12%	0.097%
95	8.747	1290	1292	1298	rVB6	25553	25660	0.07%	0.059%
96	8.812	1298	1304	1306	rBV	412060	389488	1.11%	0.894%
97	8.833	1306	1308	1310	rVB	43232	32547	0.09%	0.075%
98	8.870	1312	1315	1317	rBV4	10495	10639	0.03%	0.024%
99	8.935	1325	1327	1330	rBV4	18542	16743	0.05%	0.038%
100	8.967	1330	1333	1334	rBV3	6197	6387	0.02%	0.015%
101	9.004	1338	1340	1342	rBV3	11066	8801	0.02%	0.020%
102	9.020	1342	1343	1347	rVB4	11986	10157	0.03%	0.023%
103	9.058	1348	1350	1355	rVB5	8937	11213	0.03%	0.026%
104	9.122	1360	1362	1365	rVB4	11946	9453	0.03%	0.022%
105	9.154	1365	1368	1369	rBV3	21926	19618	0.06%	0.045%
106	9.175	1369	1372	1376	rVB	48495	47770	0.14%	0.110%
107	9.245	1381	1385	1389	rBV6	19832	28392	0.08%	0.065%
108	9.341	1398	1403	1405	rBV2	43925	46930	0.13%	0.108%
109	9.368	1405	1408	1413	rVB3	57050	66310	0.19%	0.152%
110	9.427	1415	1419	1421	rBV4	11417	11659	0.03%	0.027%
111	9.453	1421	1424	1427	rBV4	38706	46935	0.13%	0.108%
112	9.480	1427	1429	1432	rVB3	27849	26185	0.07%	0.060%
113	9.555	1441	1443	1446	rBV4	9555	6443	0.02%	0.015%
114	9.598	1446	1451	1454	rBV7	19067	23781	0.07%	0.055%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

115	9.630	1454	1457	1461	rVB	43594	35494	0.10%	0.081%
116	9.667	1461	1464	1467	rBV4	25721	35050	0.10%	0.080%
117	9.806	1488	1490	1492	rBV3	12197	12875	0.04%	0.030%
118	9.838	1492	1496	1500	rVV6	30550	41636	0.12%	0.096%
119	9.871	1500	1502	1506	rVV4	26299	30569	0.09%	0.070%
120	9.897	1506	1507	1510	rVB2	17534	11003	0.03%	0.025%
121	9.956	1514	1518	1521	rBV	53963	58970	0.17%	0.135%
122	9.983	1521	1523	1528	rVV6	21452	27334	0.08%	0.063%
123	10.020	1528	1530	1532	rVB2	16991	12192	0.03%	0.028%
124	10.052	1532	1536	1538	rBV5	23314	29607	0.08%	0.068%
125	10.074	1538	1540	1543	rVB2	35601	29176	0.08%	0.067%
126	10.122	1546	1549	1552	rVB3	16465	21664	0.06%	0.050%
127	10.149	1552	1554	1559	rBV6	18296	20808	0.06%	0.048%
128	10.197	1559	1563	1566	rBV6	27596	34680	0.10%	0.080%
129	10.224	1566	1568	1571	rBV4	9006	7133	0.02%	0.016%
130	10.325	1583	1587	1589	rBV5	10517	13703	0.04%	0.031%
131	10.347	1589	1591	1593	rVV3	19272	18295	0.05%	0.042%
132	10.373	1593	1596	1602	rVB3	38507	44532	0.13%	0.102%
133	10.432	1603	1607	1611	rVV6	22078	29767	0.08%	0.068%
134	10.470	1611	1614	1618	rVB2	32045	33456	0.10%	0.077%
135	10.512	1618	1622	1624	rBV	38566	37207	0.11%	0.085%
136	10.534	1624	1626	1628	rVV3	12488	10955	0.03%	0.025%
137	10.582	1628	1635	1641	rVB	379616	400102	1.14%	0.919%
138	10.646	1644	1647	1649	rBV4	11737	13655	0.04%	0.031%
139	10.673	1649	1652	1657	rVB7	16077	21521	0.06%	0.049%
140	10.726	1660	1662	1663	rBV2	9909	9430	0.03%	0.022%
141	10.769	1666	1670	1676	rVB8	32516	49188	0.14%	0.113%
142	10.892	1688	1693	1696	rBV3	26973	39854	0.11%	0.092%
143	10.935	1698	1701	1704	rBV	36739	36579	0.10%	0.084%
144	10.988	1708	1711	1715	rVB4	24863	26335	0.07%	0.060%
145	11.026	1715	1718	1720	rBV3	14593	15096	0.04%	0.035%
146	11.079	1725	1728	1731	rBV5	9342	13035	0.04%	0.030%
147	11.186	1746	1748	1749	rBV2	12056	6997	0.02%	0.016%
148	11.256	1759	1761	1763	rBV3	13854	12500	0.04%	0.029%
149	11.347	1775	1778	1781	rBV4	44378	43706	0.12%	0.100%
150	11.368	1781	1782	1789	rVB5	22229	26817	0.08%	0.062%
151	11.416	1789	1791	1794	rBV4	8934	8129	0.02%	0.019%
152	11.443	1794	1796	1800	rVB5	16270	16370	0.05%	0.038%
153	11.491	1800	1805	1807	rBV6	22779	35881	0.10%	0.082%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

154	11.620	1827	1829	1834	rVB6	19238	21380	0.06%	0.049%
155	11.748	1847	1853	1856	rBV2	42089	56374	0.16%	0.129%
156	11.796	1857	1862	1865	rVV	287460	323302	0.92%	0.742%
157	11.823	1865	1867	1873	rVB5	29310	36084	0.10%	0.083%
158	11.876	1874	1877	1879	rBV4	18854	17173	0.05%	0.039%
159	11.967	1889	1894	1897	rBV7	11975	19992	0.06%	0.046%
160	12.133	1922	1925	1931	rVB6	31969	34718	0.10%	0.080%
161	12.176	1931	1933	1939	rBV6	8759	11308	0.03%	0.026%
162	12.310	1956	1958	1960	rVB3	15101	10337	0.03%	0.024%
163	12.347	1961	1965	1967	rBV5	10319	12983	0.04%	0.030%
164	12.507	1992	1995	1999	rVB5	34021	37571	0.11%	0.086%
165	12.550	2002	2003	2005	rBV2	10695	6981	0.02%	0.016%
166	12.679	2024	2027	2029	rBV4	16400	15364	0.04%	0.035%
167	12.775	2041	2045	2048	rBV6	18555	21357	0.06%	0.049%
168	12.818	2050	2053	2056	rBV4	33205	32529	0.09%	0.075%
169	12.871	2060	2063	2066	rVB4	24022	30318	0.09%	0.070%
170	12.909	2066	2070	2074	rBV7	13764	24645	0.07%	0.057%
171	13.042	2094	2095	2097	rBV2	11269	8679	0.02%	0.020%
172	13.085	2101	2103	2104	rBV2	9619	6356	0.02%	0.015%
173	13.219	2125	2128	2133	rBV7	24986	27379	0.08%	0.063%
174	13.272	2136	2138	2142	rVB5	16188	17848	0.05%	0.041%
175	13.390	2156	2160	2167	rBV	323686	357054	1.01%	0.820%
176	13.690	2214	2216	2221	rBV6	13147	13061	0.04%	0.030%
177	14.203	2309	2312	2318	rVB7	24161	30513	0.09%	0.070%
178	15.283	2511	2514	2522	rVB10	18646	27713	0.08%	0.064%
179	15.925	2633	2634	2637	rBV3	9554	10398	0.03%	0.024%

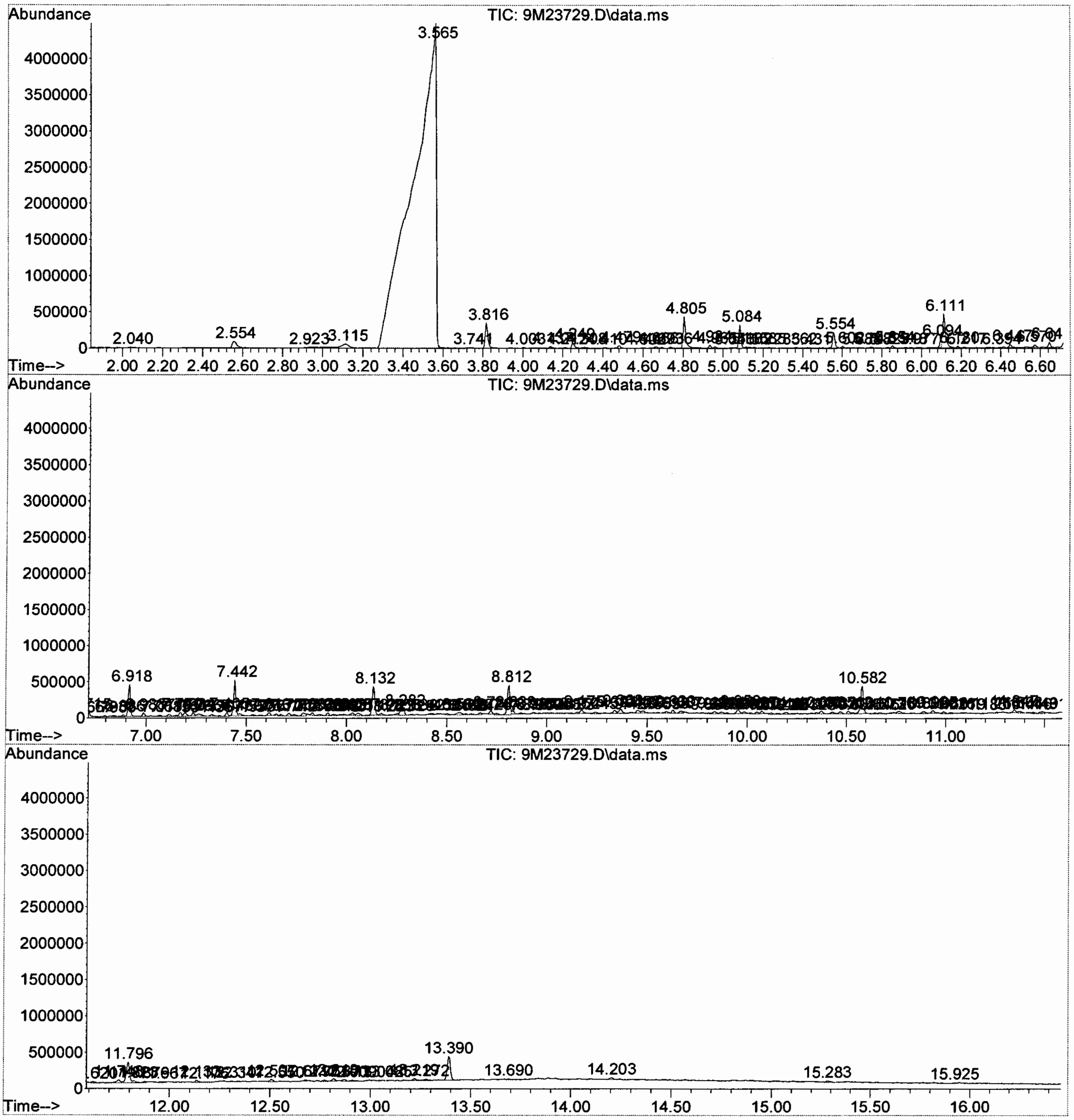
Sum of corrected areas: 43551873

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

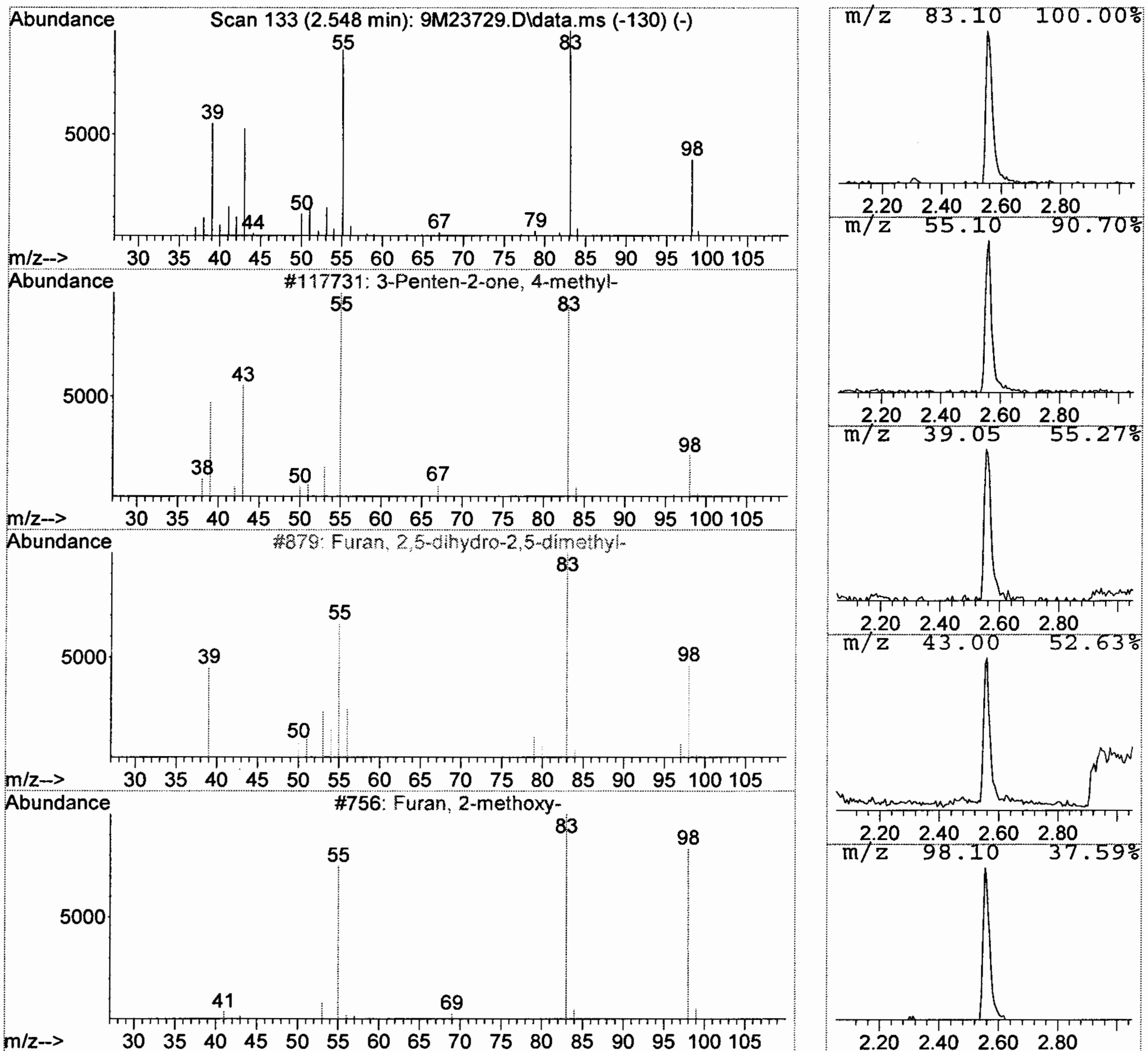
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	23.99 ng	137809	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	86
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	72
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	70
5	tert-Butylketene	98	C6H10O	059005-31-1	64



Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On    : 12 Mar 2010  20:13
Operator  : AHD
Sample    : AC50199-006
Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number  2  unknown                          Concentration Rank  2
```
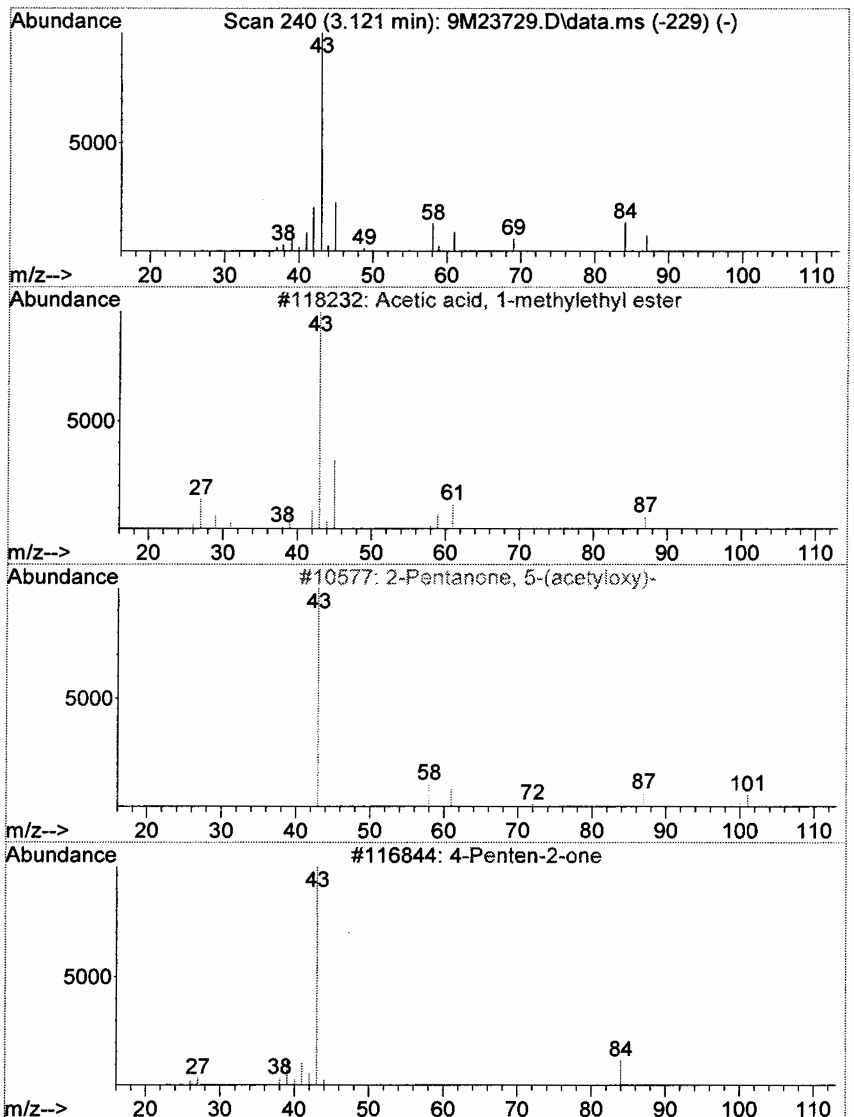
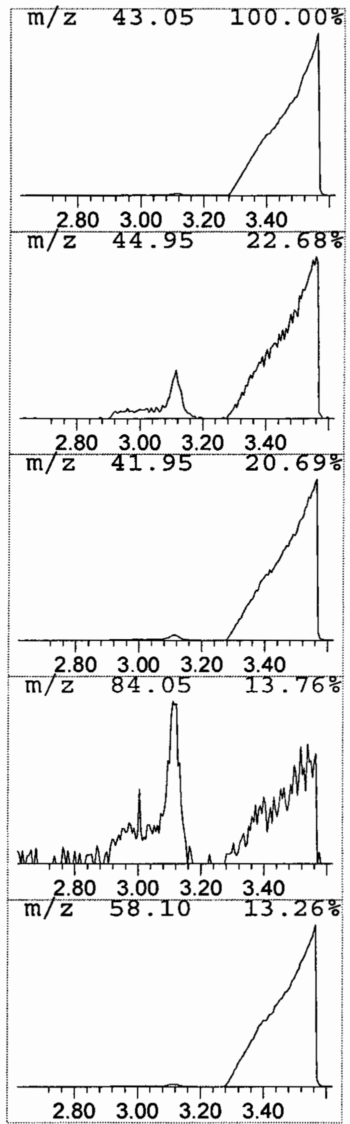

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	26.01 ng	149438	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	28
2	2-Pentanone, 5-(acetyloxy)-	144	C7H12O3	005185-97-7	25
3	4-Penten-2-one	84	C5H8O	013891-87-7	22
4	Butane	58	C4H10	000106-97-8	9
5	Butane	58	C4H10	000106-97-8	9





Library Search Compound Report

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Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

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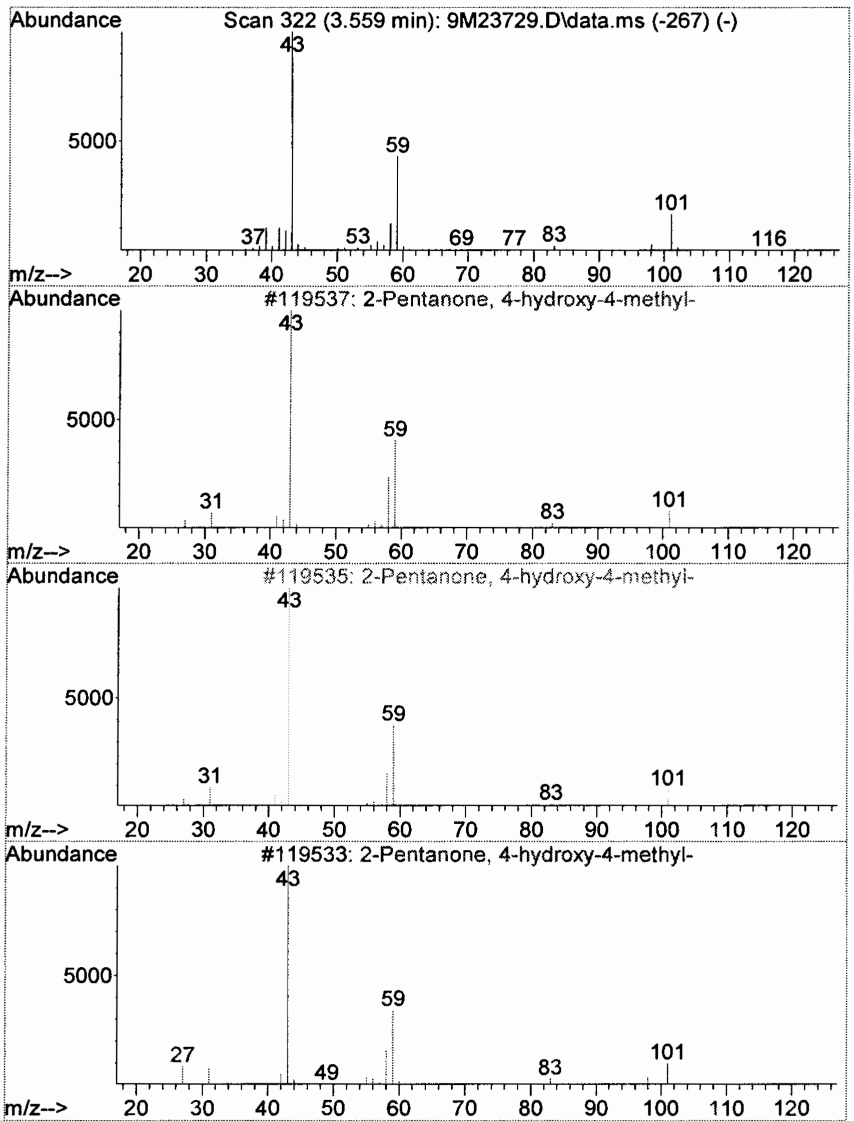
Quant Title : @GCMS_9,mg,625,8270

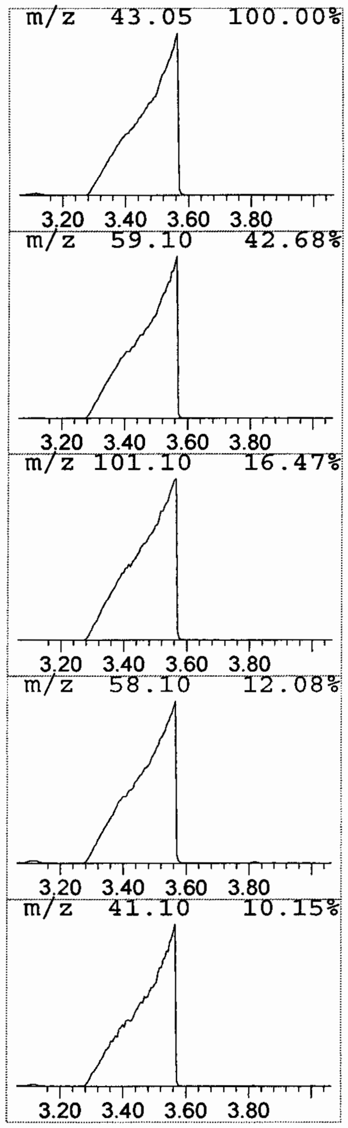
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	6128.45 ng	35204868	LibIS-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	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
5	1-Propanamine	59	C3H9N	000107-10-8	40





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Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	4.45 ng	25556	LibIS-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	72
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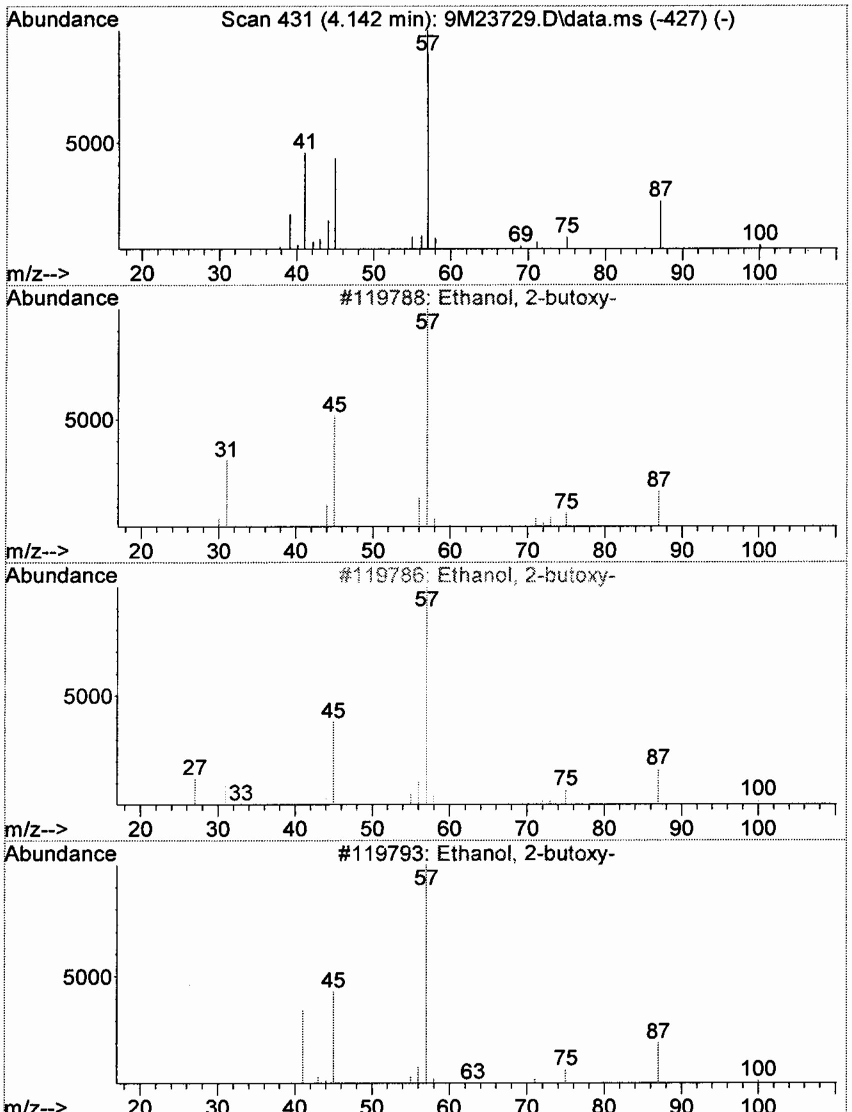

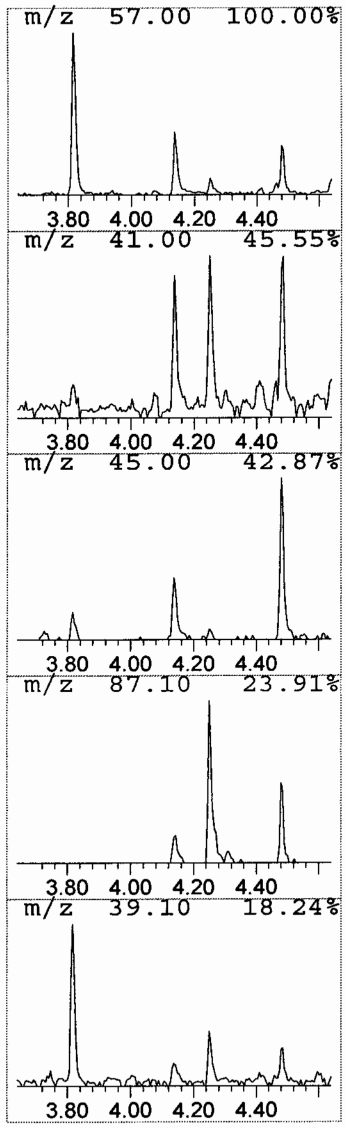

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ALS Vial : 23 Sample Multiplier: 1

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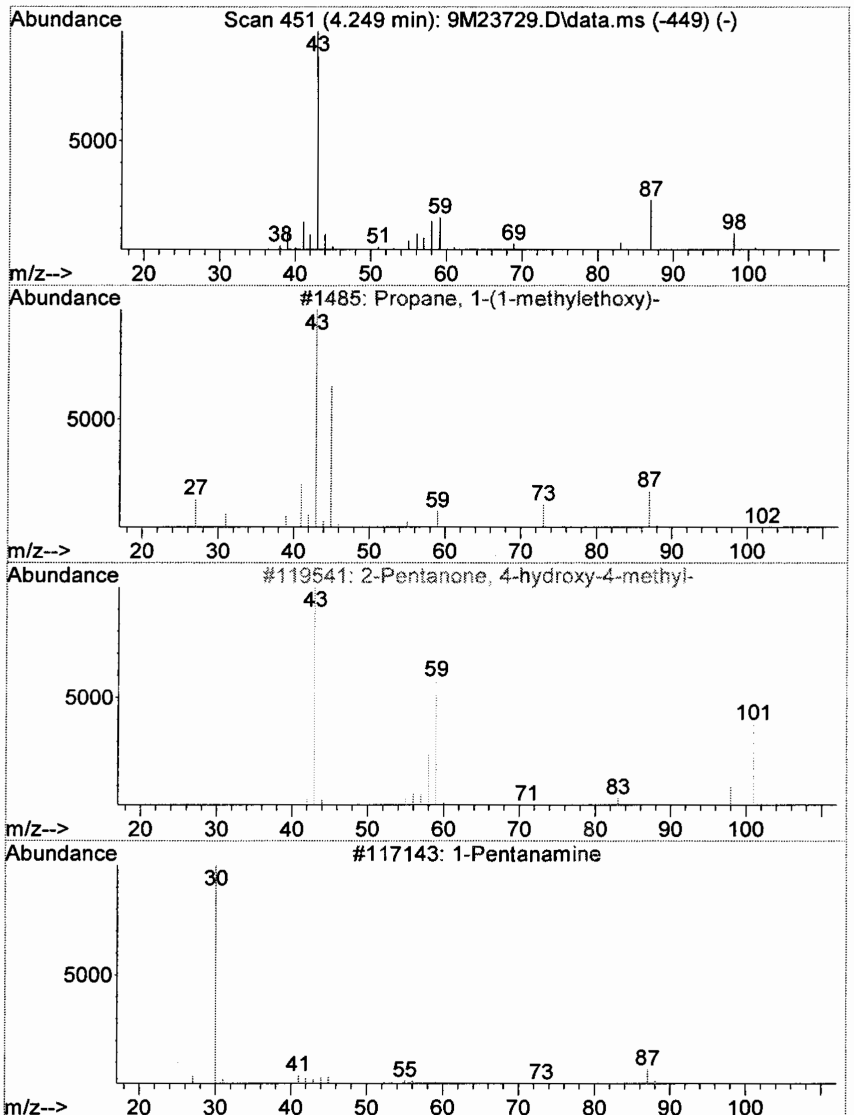
Quant Title : @GCMS_9,mg,625,8270

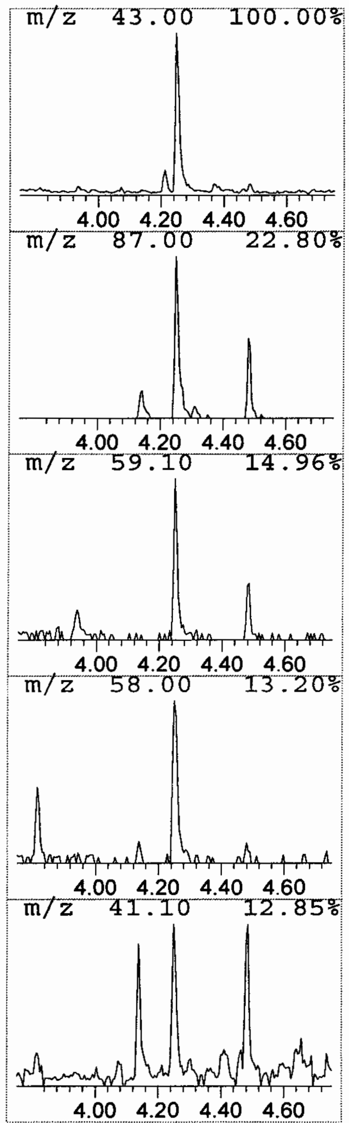
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	12.86 ng	73865	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	25
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
3	1-Pentanamine	87	C5H13N	000110-58-7	9
4	2,3-Octanedione	142	C8H14O2	000585-25-1	9
5	Acetic acid, 2-methylpropyl ester	116	C6H12O2	000110-19-0	9





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Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number  6  1-Propanol, 2-isopropoxy-       Concentration Rank 15
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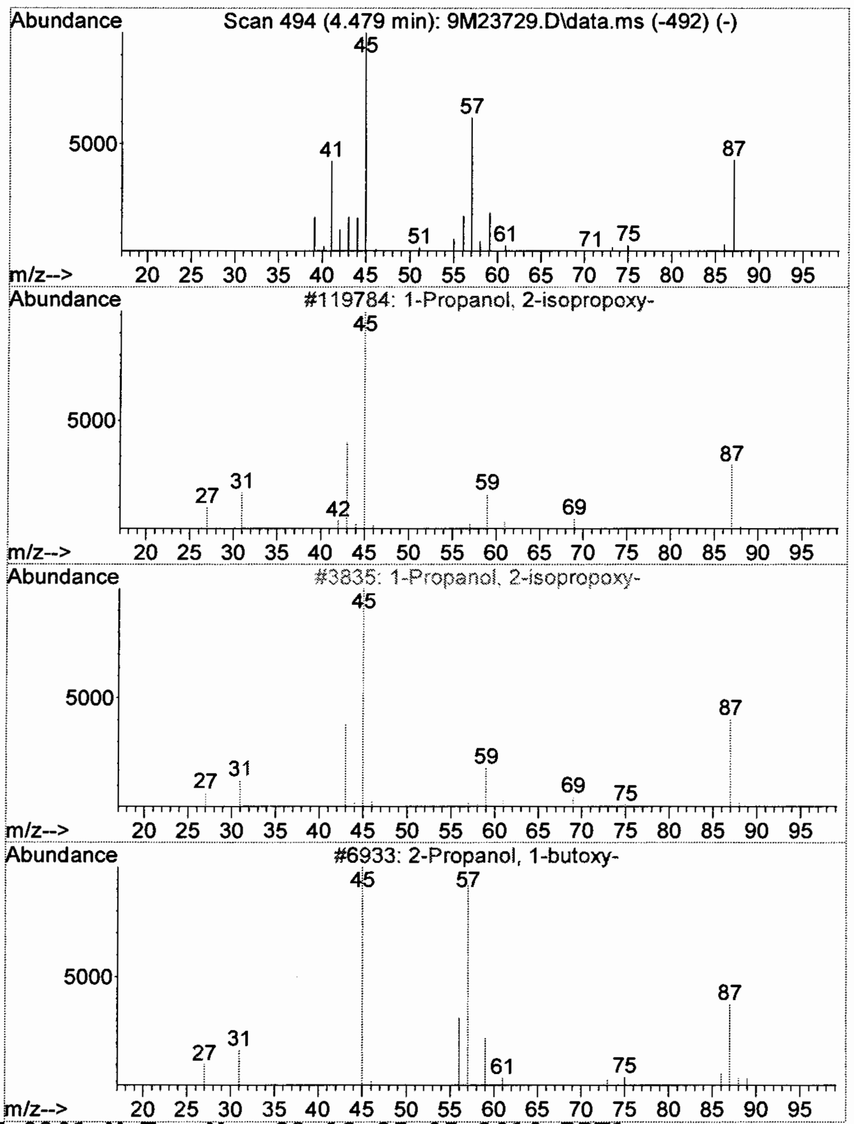
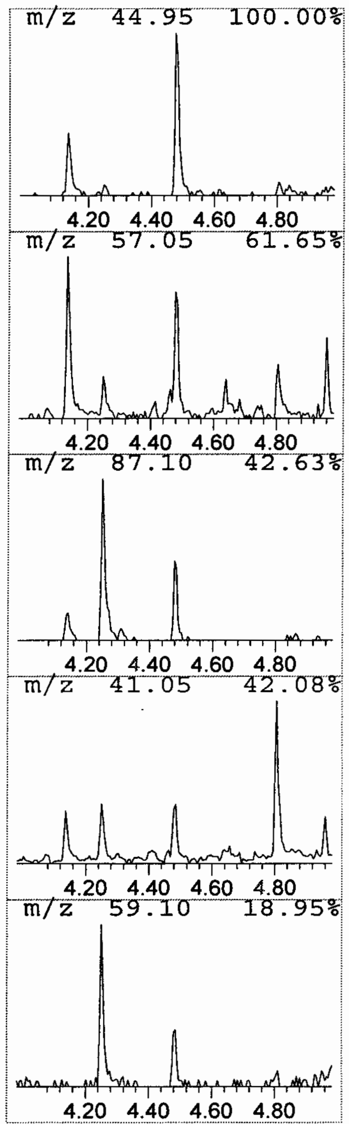
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	5.42 ng	31159	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	50
2	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	45
3	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	43
4	2-Butanol, 3,3-dimethyl-	102	C6H14O	000464-07-3	42
5	2-Butanol, 3,3-dimethyl-	102	C6H14O	000464-07-3	38





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ALS Vial  : 23   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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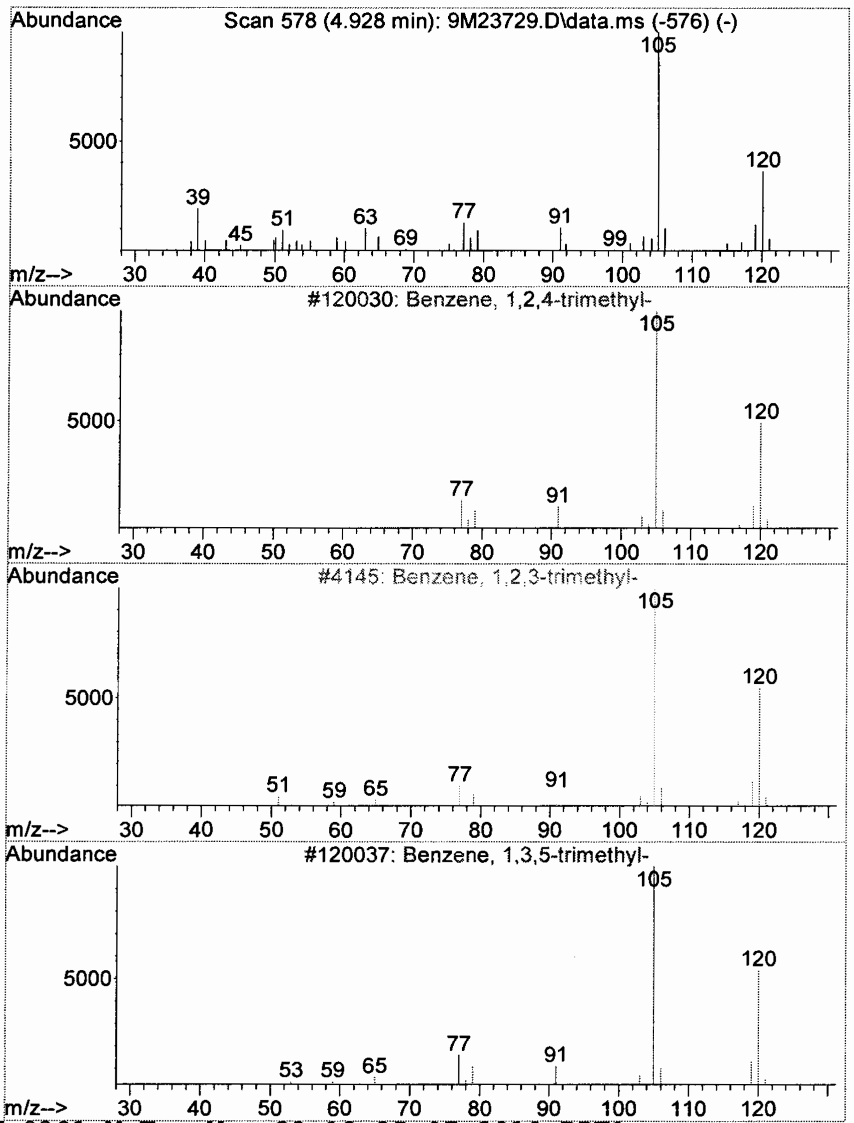
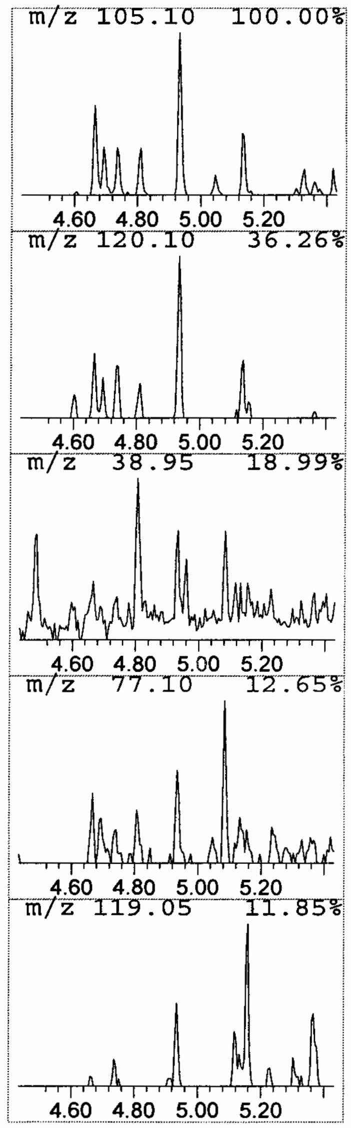
Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	5.39 ng	30937	LibIS-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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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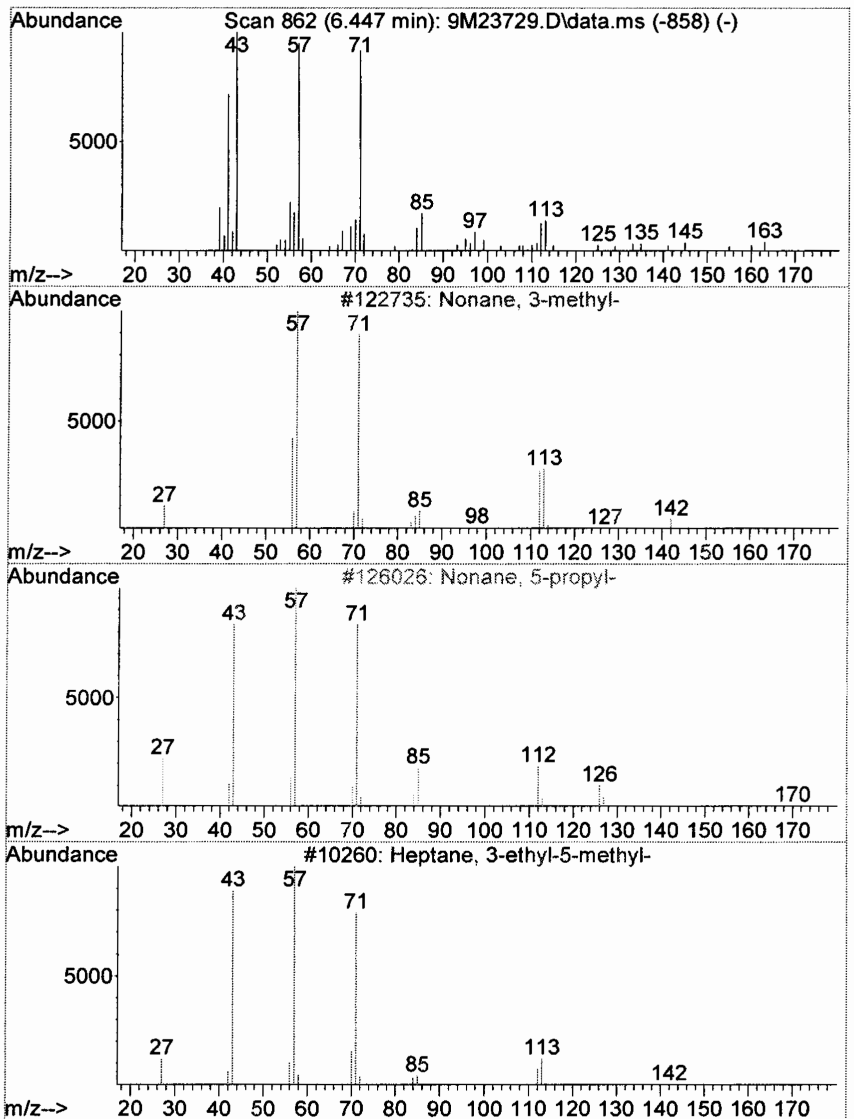
Quant Title : @GCMS_9,mg,625,8270

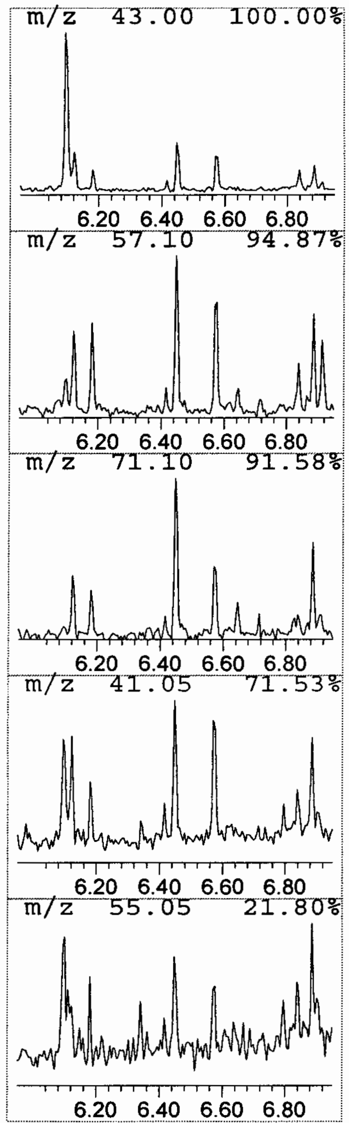
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Nonane, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	5.12 ng	41434	LibIS-Naphthalene-d8	6.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2	Nonane, 5-propyl-	170	C12H26	000998-35-6	64
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	50
5	Octane, 2-iodo-	240	C8H17I	000557-36-8	50





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Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	5.68 ng	45986	LibIS-Naphthalene-d8	6.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	BENZOCYCLOHEPTATRIENE	142	C11H10	000264-09-5	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
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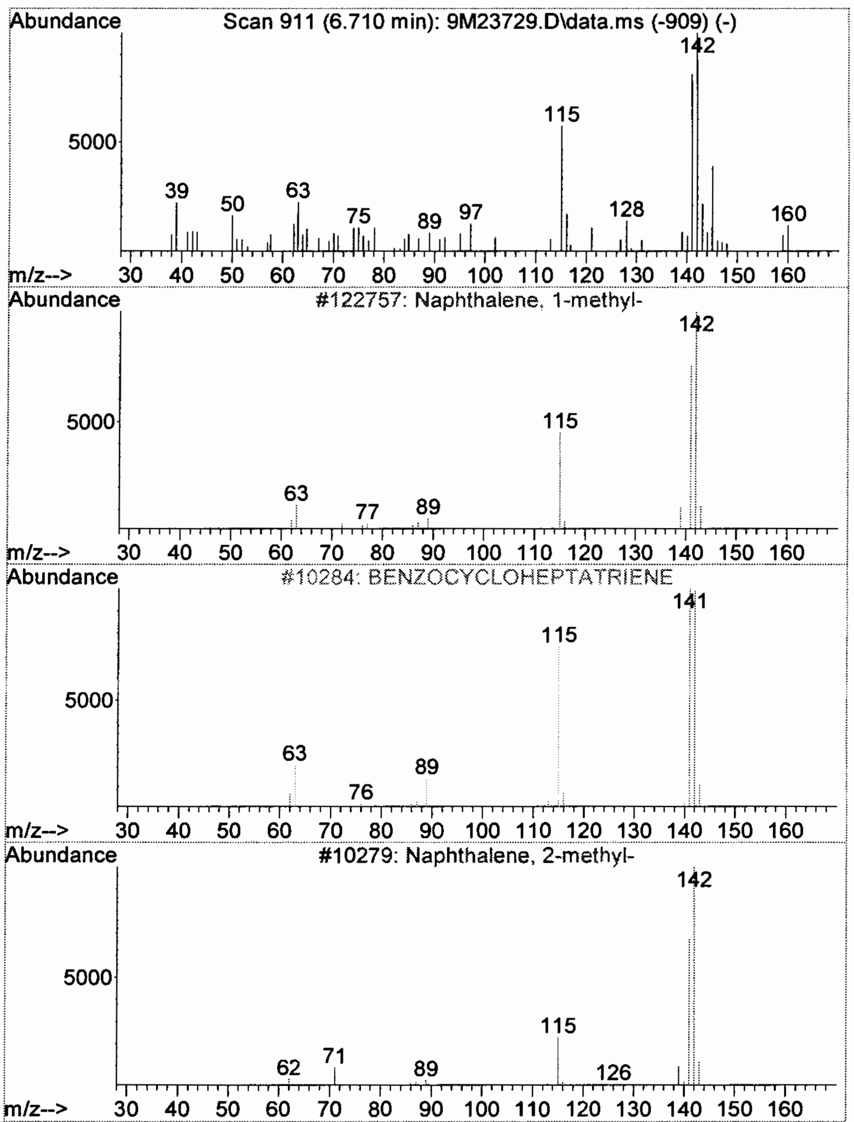

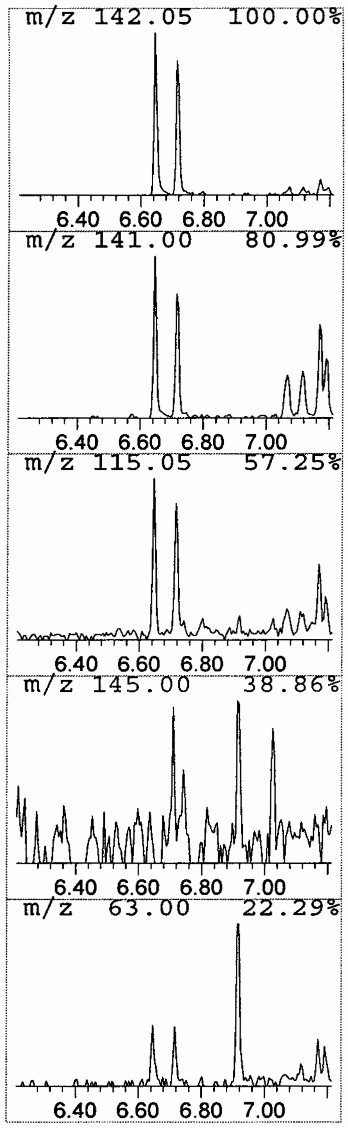

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Operator  : AHD
Sample    : AC50199-006
Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

Peak Number 10 Naphthalene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	4.73 ng	44557	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
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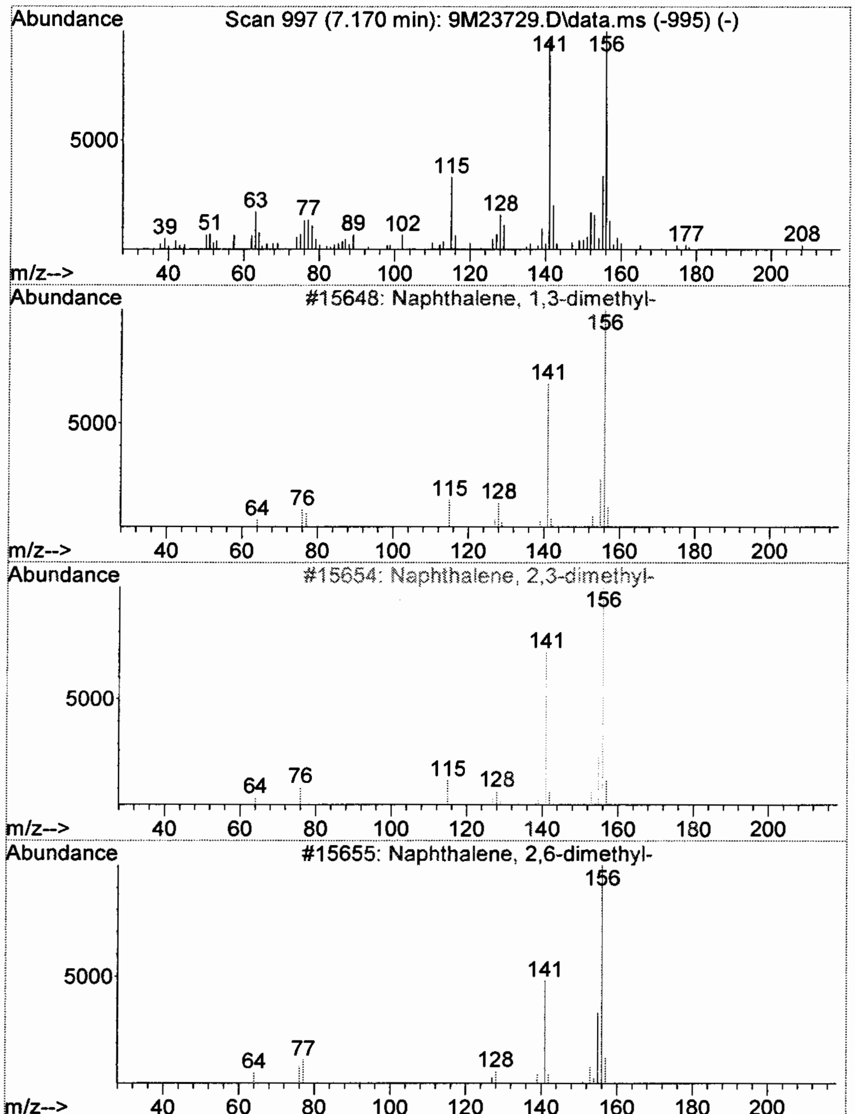

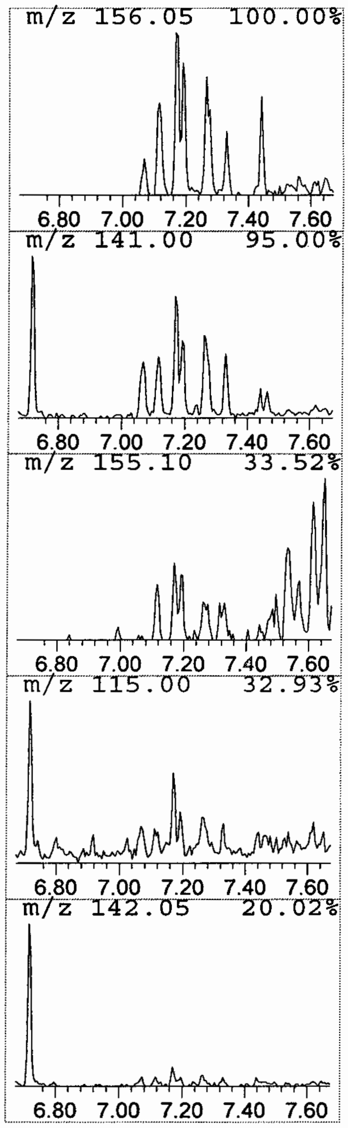

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Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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Peak Number 11 Benzene, (1,4-cyclohexadien... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	5.44 ng	51189	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	64
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
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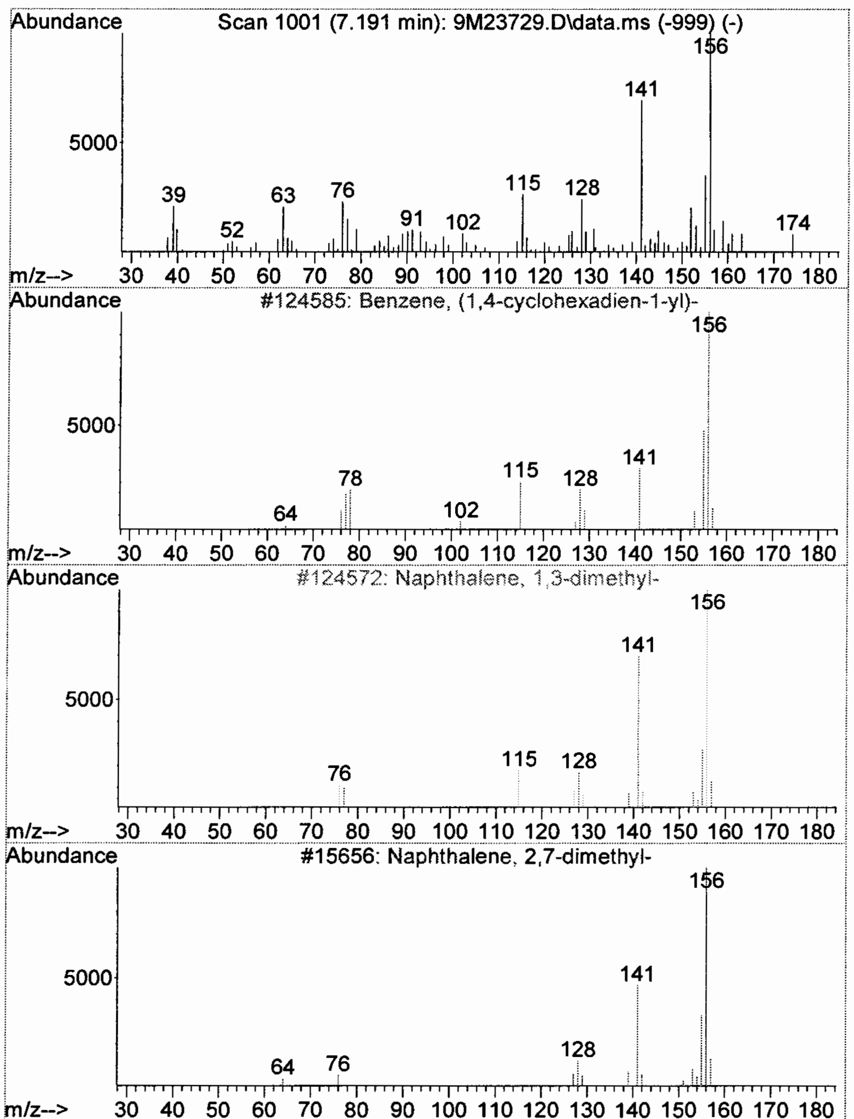

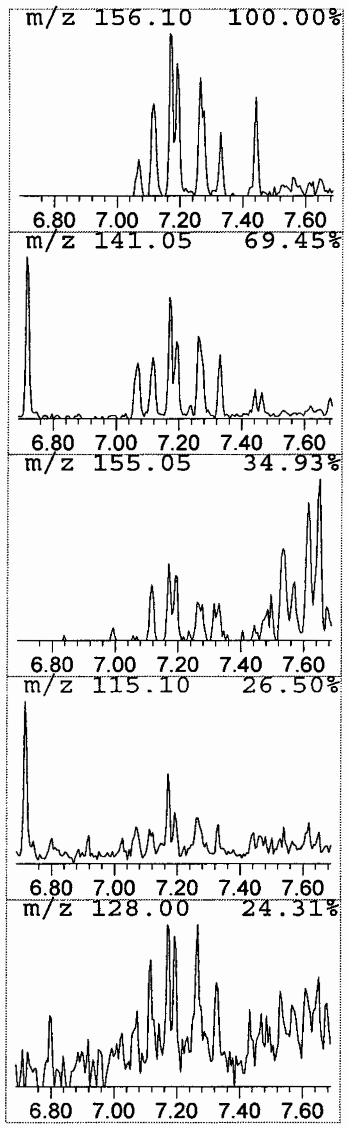

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Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 12 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	5.51 ng	51829	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
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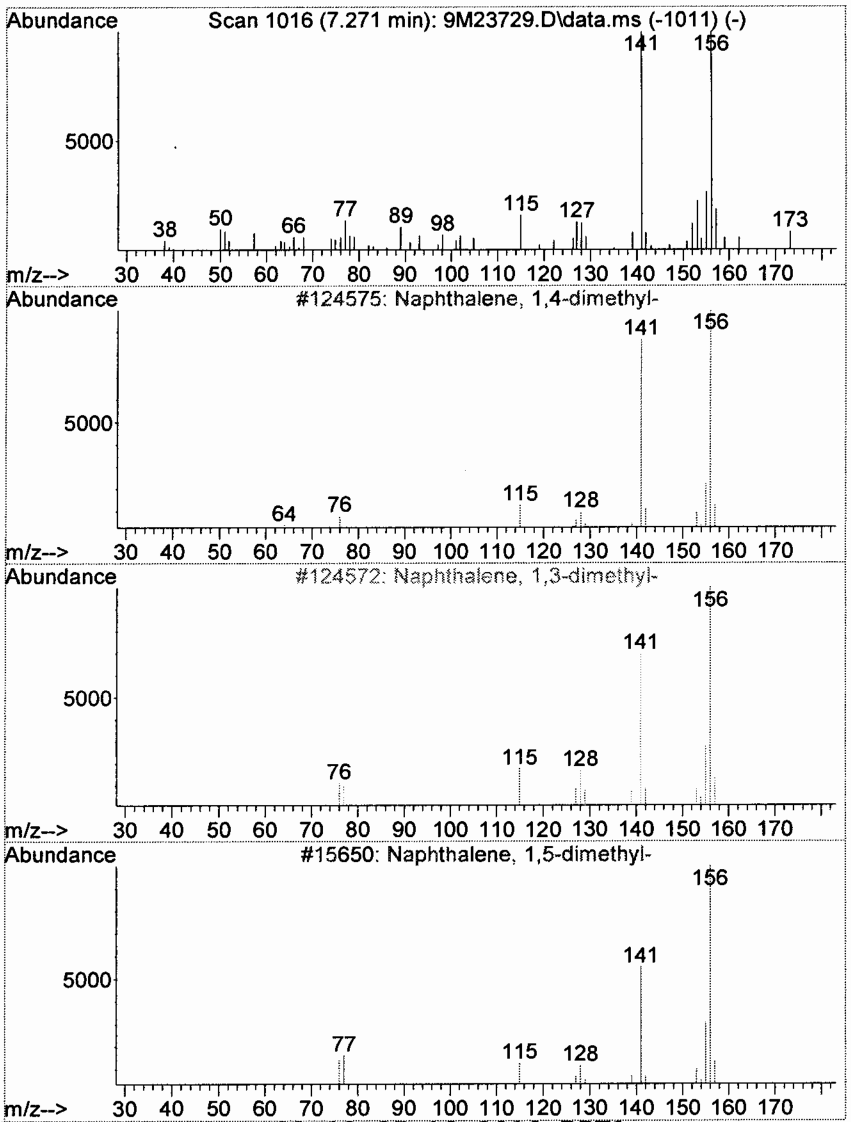

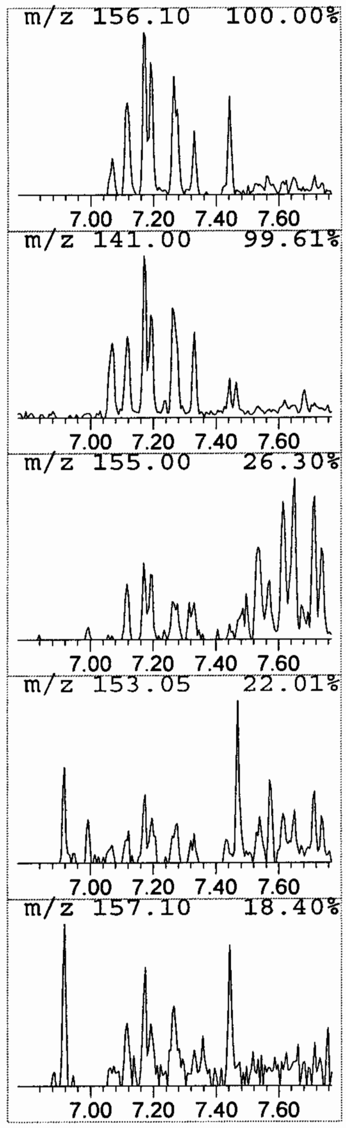

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Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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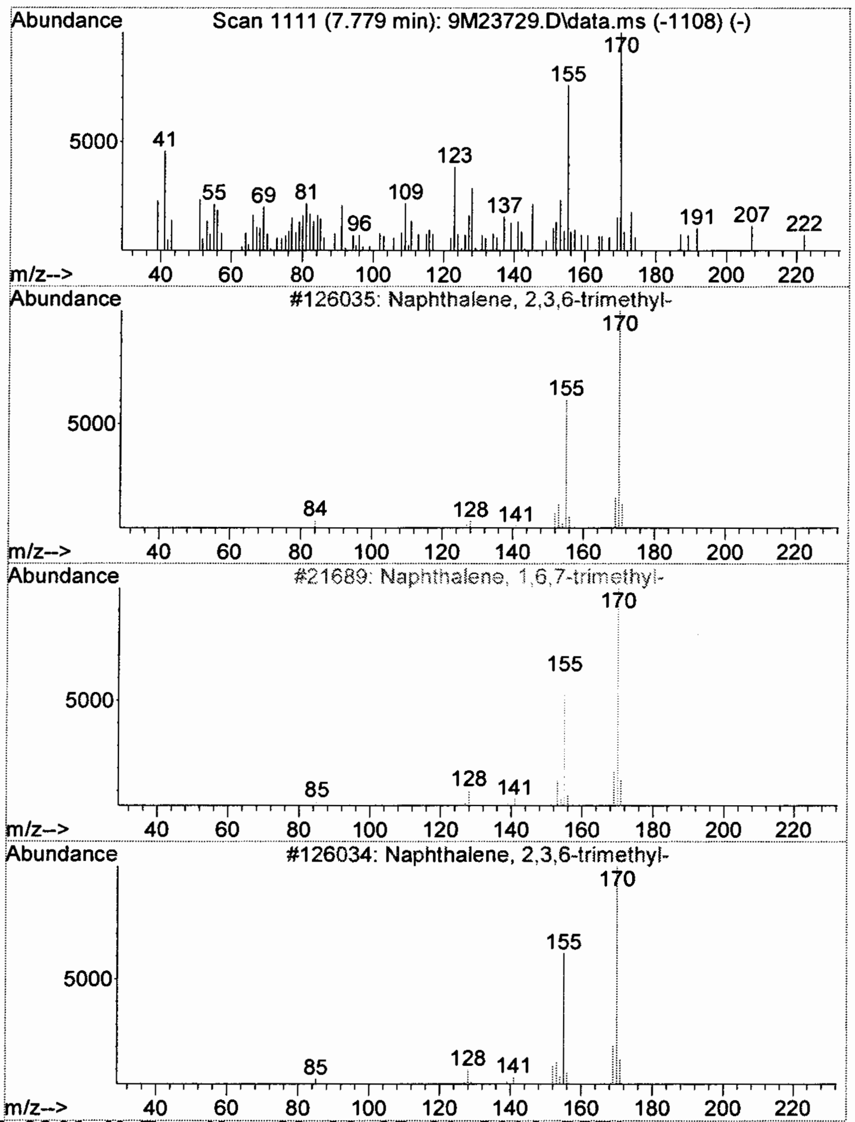
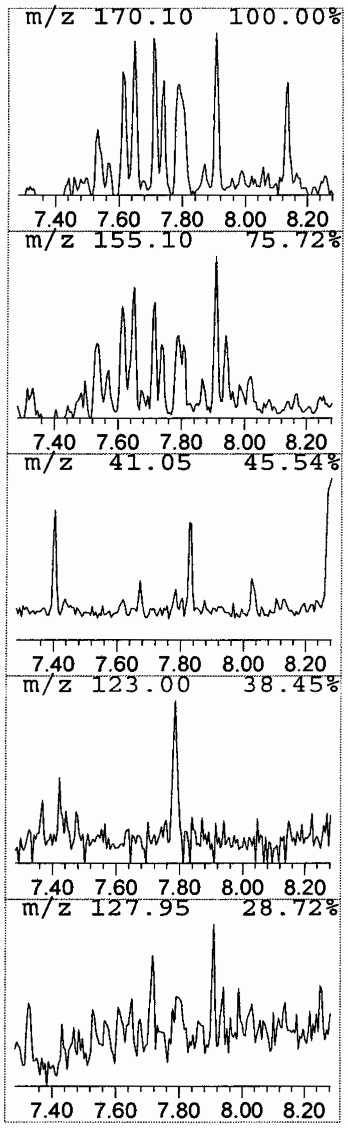
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	5.83 ng	54840	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	78
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60





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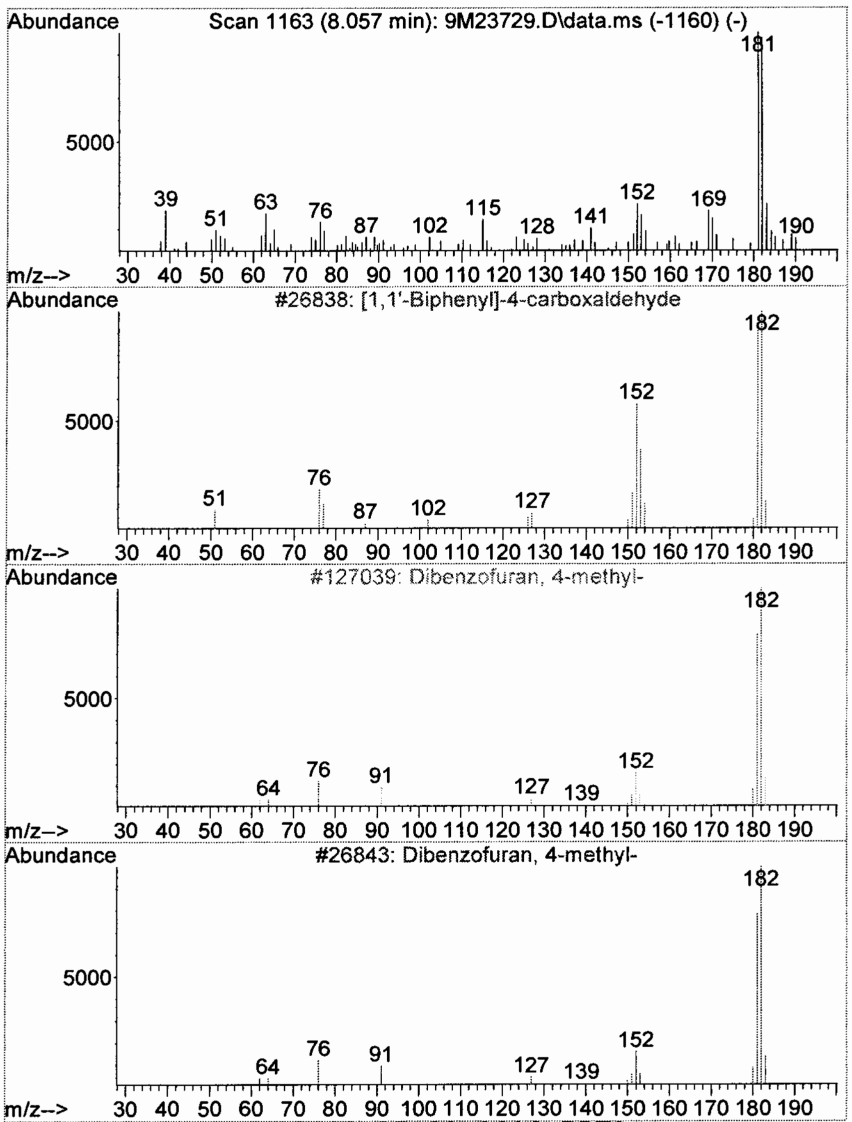
Quant Title : @GCMS_9,mg,625,8270

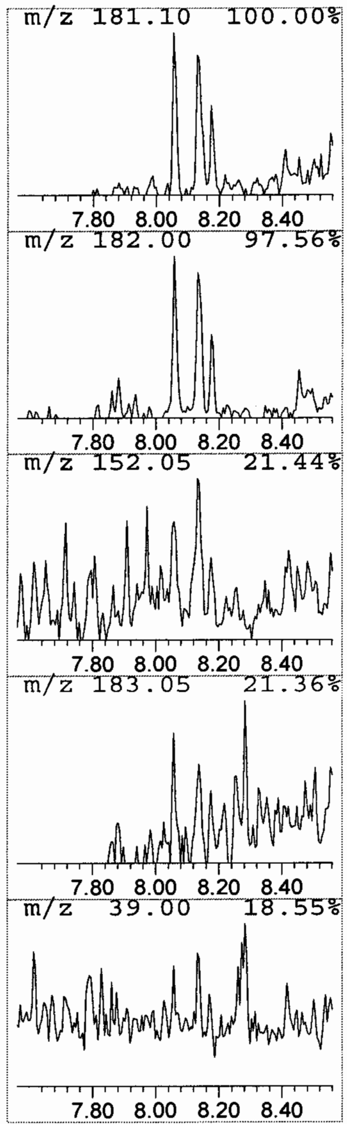
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	4.73 ng	44490	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
4	9-SILAFLUORENE	182	C12H10Si	000244-96-2	56
5	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	52





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Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

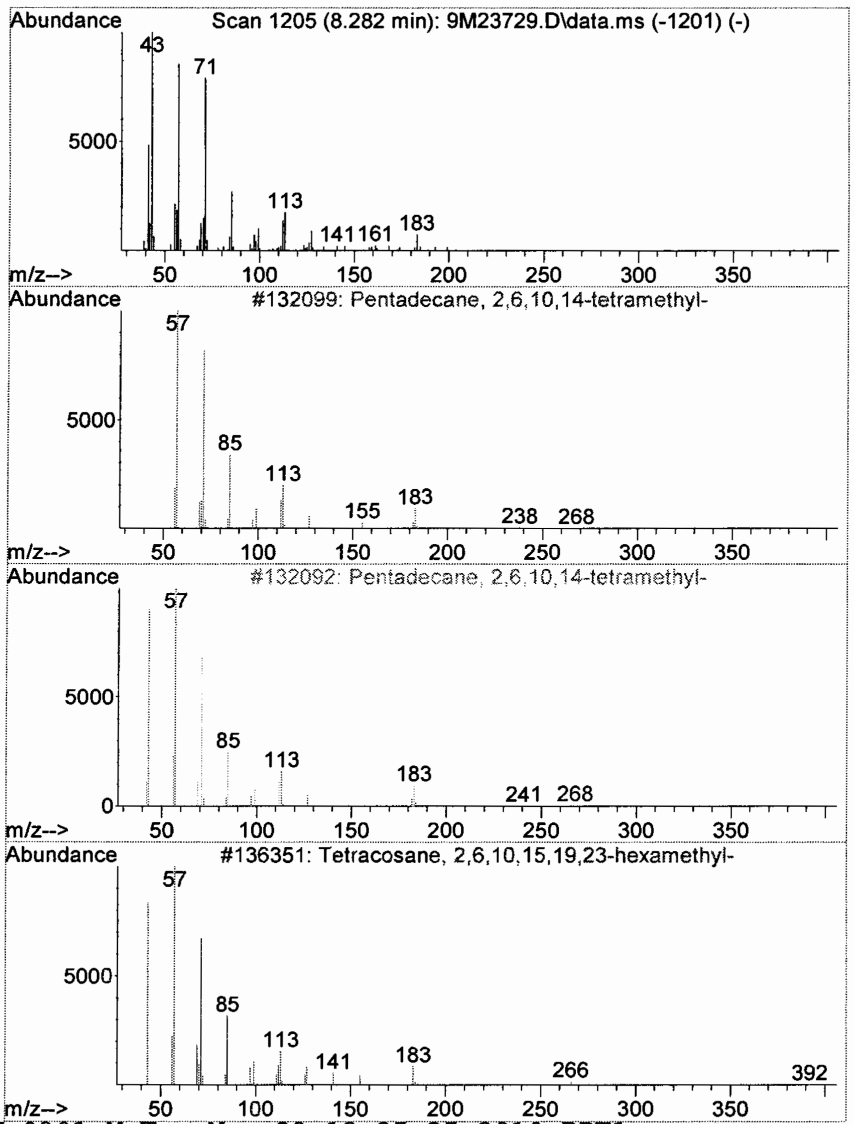
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

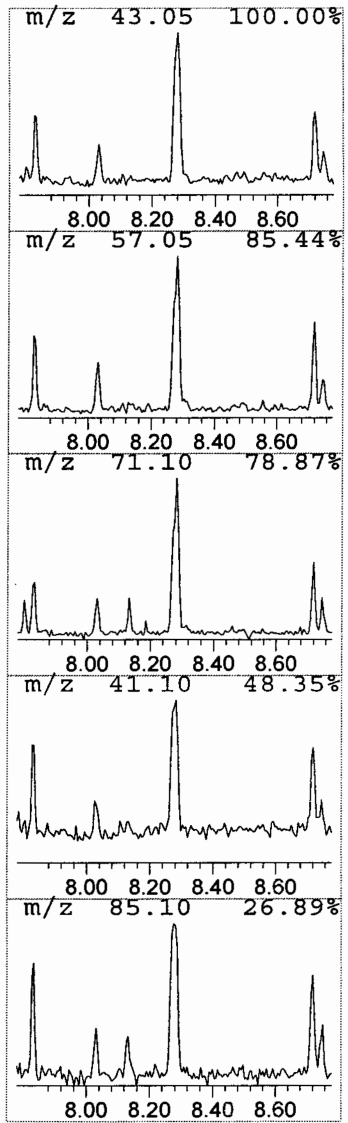
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	12.33 ng	112932	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
3	Tetracosane, 2,6,10,15,19,23-hex...	422	C30H62	000111-01-3	90
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	87





Library Search Compound Report

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Acq On    : 12 Mar 2010  20:13
Operator  : AHD
Sample    : AC50199-006
Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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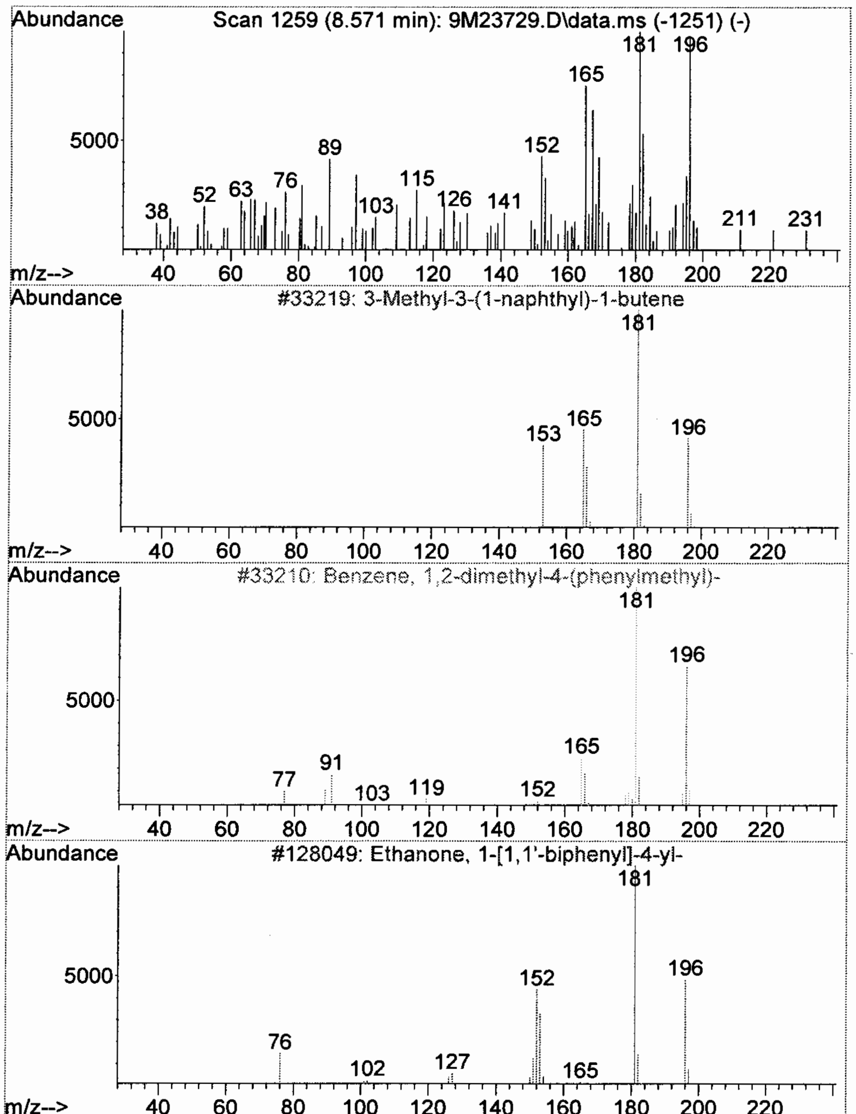
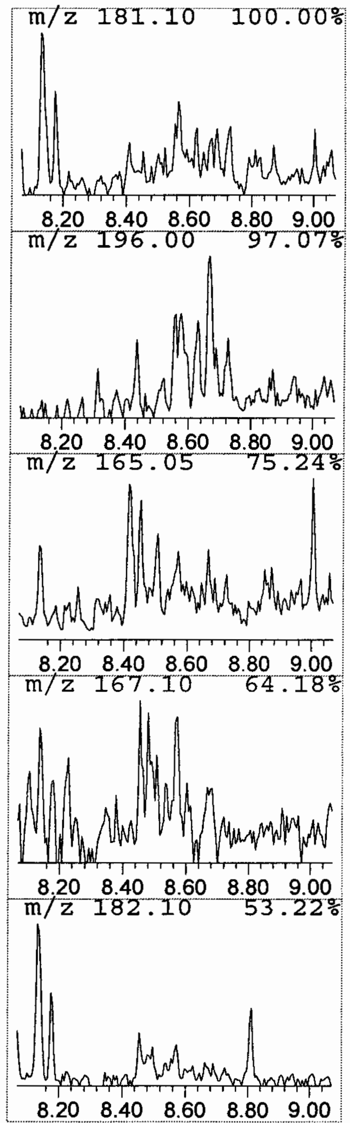
Peak Number 16 unknown — Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	6.65 ng	60867	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-3-(1-naphthyl)-1-butene	196	C15H16	081060-89-1	35
2	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	35
3	Ethanone, 1-[1,1'-biphenyl]-4-yl-	196	C14H12O	000092-91-1	30
4	2-Methyl-2-phenyl-1,3-dithiolane	196	C10H12S2	005769-02-8	27
5	5-Ethyl-1,3-dimethylbarbituric acid	184	C8H12N2O3	007391-61-9	25





Library Search Compound Report

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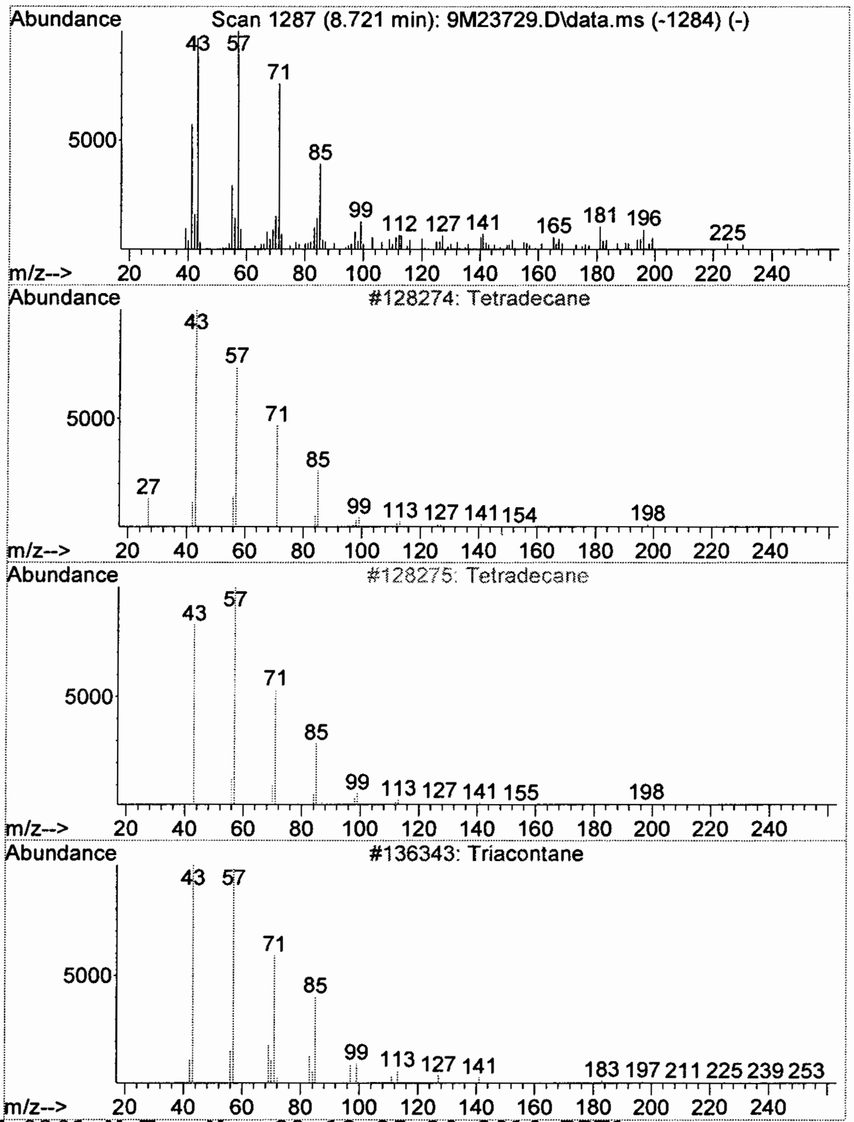
Quant Title : @GCMS_9,mg,625,8270

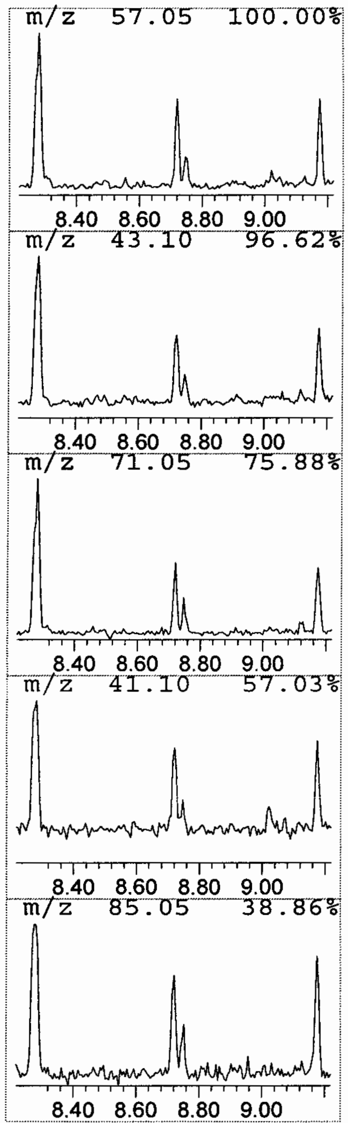
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Tetradecane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	4.60 ng	42120	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Tetradecane	198	C14H30	000629-59-4	76
3	Triacontane	422	C30H62	000638-68-6	74
4	Octacosane	394	C28H58	000630-02-4	74
5	Eicosane	282	C20H42	000112-95-8	72





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ALS Vial : 23 Sample Multiplier: 1

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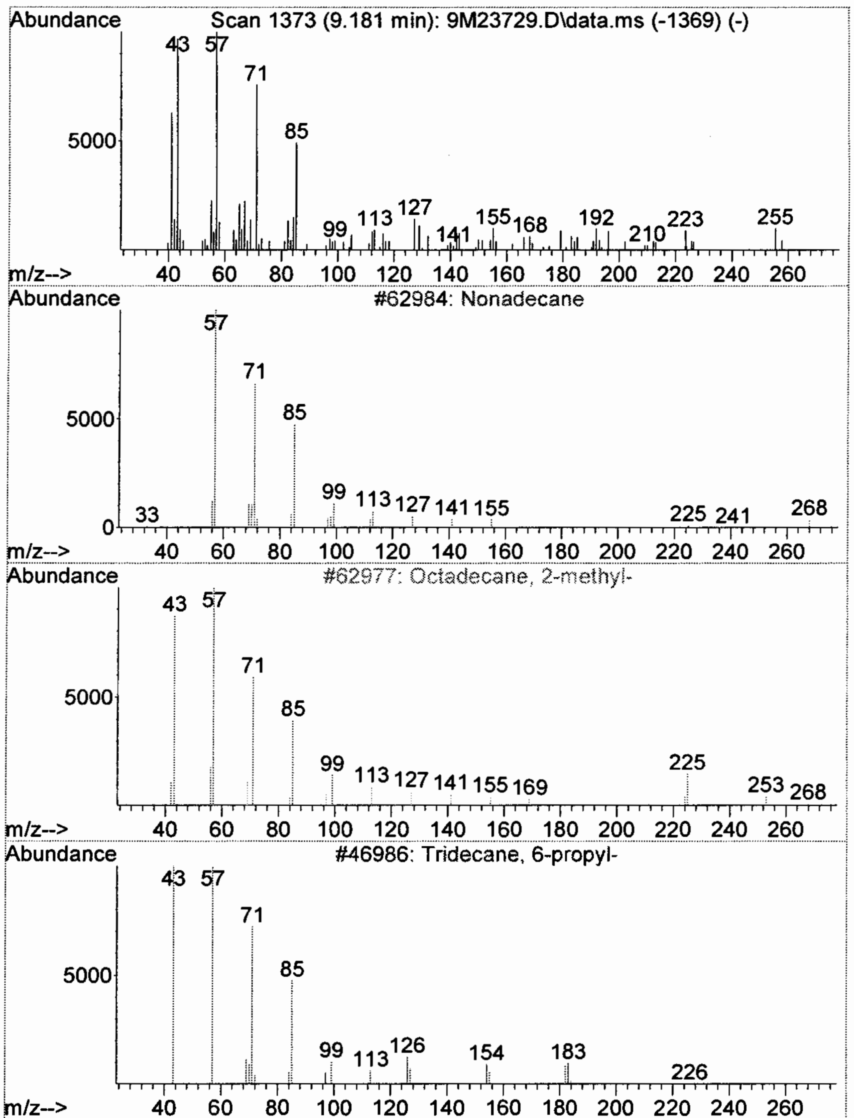
Quant Title : @GCMS_9,mg,625,8270

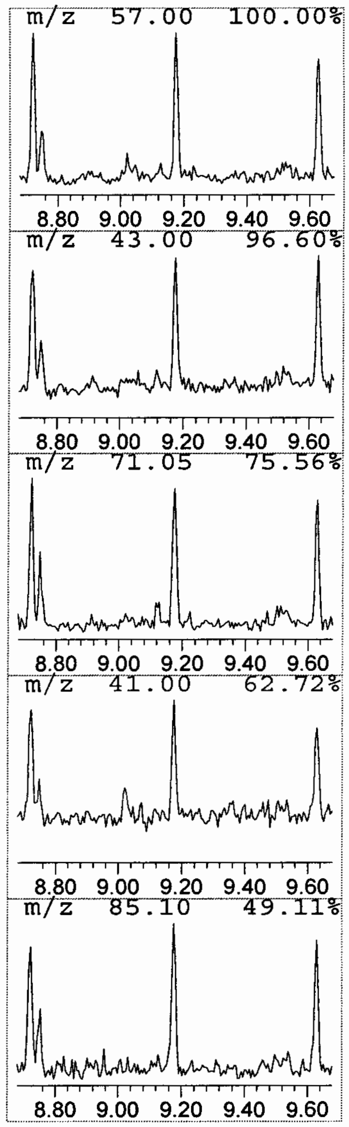
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	5.22 ng	47770	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
4	Nonadecane	268	C19H40	000629-92-5	87
5	Nonadecane	268	C19H40	000629-92-5	83





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Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

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Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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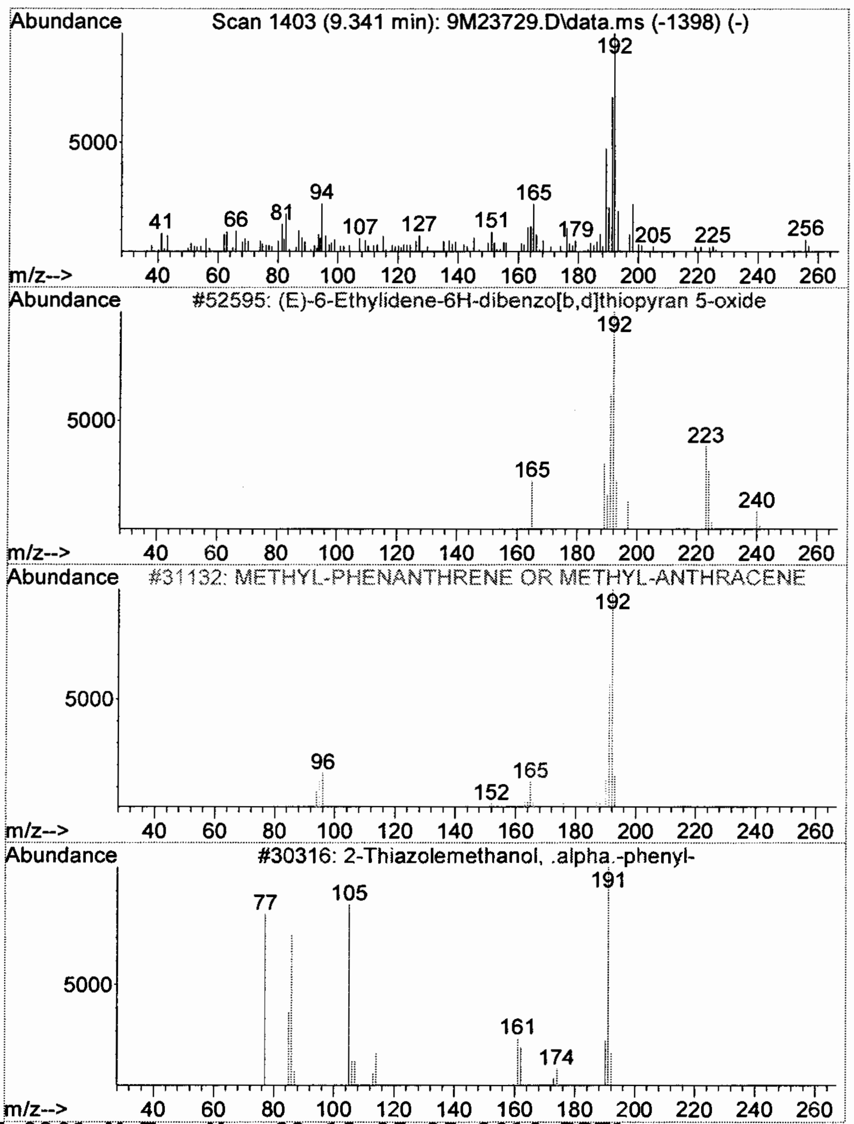
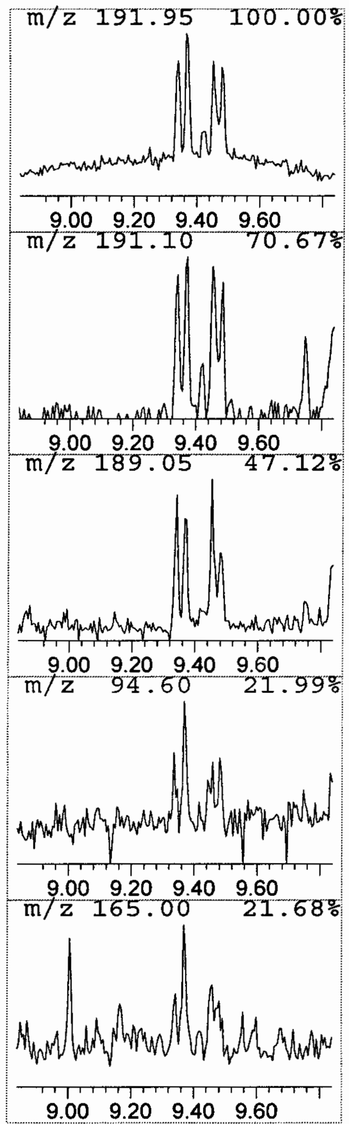
Peak Number 19   (E)-6-Ethylidene-6H-dibenzo...   Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	5.12 ng	46930	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	64
2	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	60
3	2-Thiazolemethanol, .alpha.-phenyl-	191	C10H9NOS	000879-52-7	53
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	47





Library Search Compound Report

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Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

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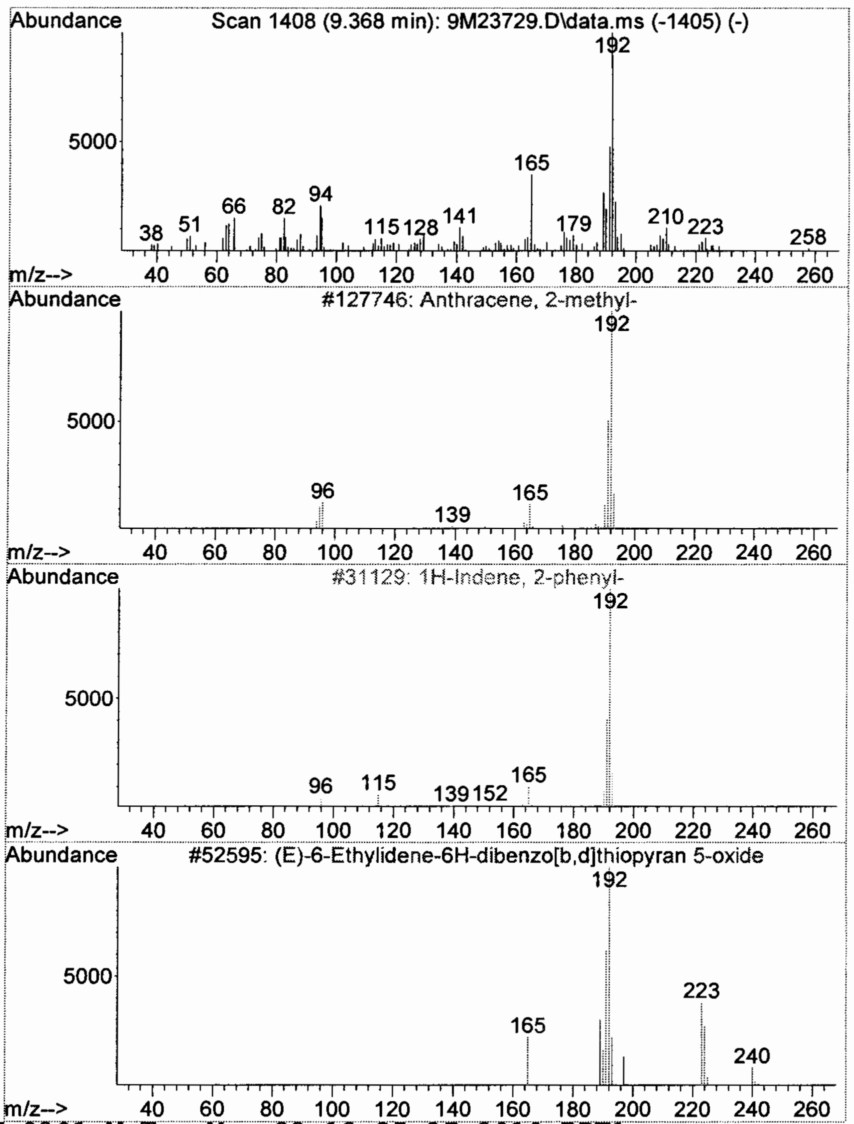
Quant Title : @GCMS_9,mg,625,8270

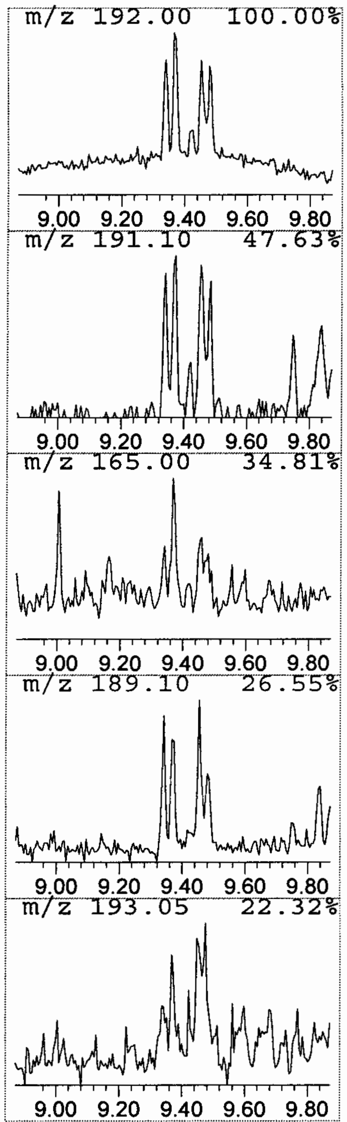
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	7.24 ng	66310	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	58
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	58
3	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	56
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	52
5	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	52





Library Search Compound Report

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Sample    : AC50199-006
Misc      : S,BNA
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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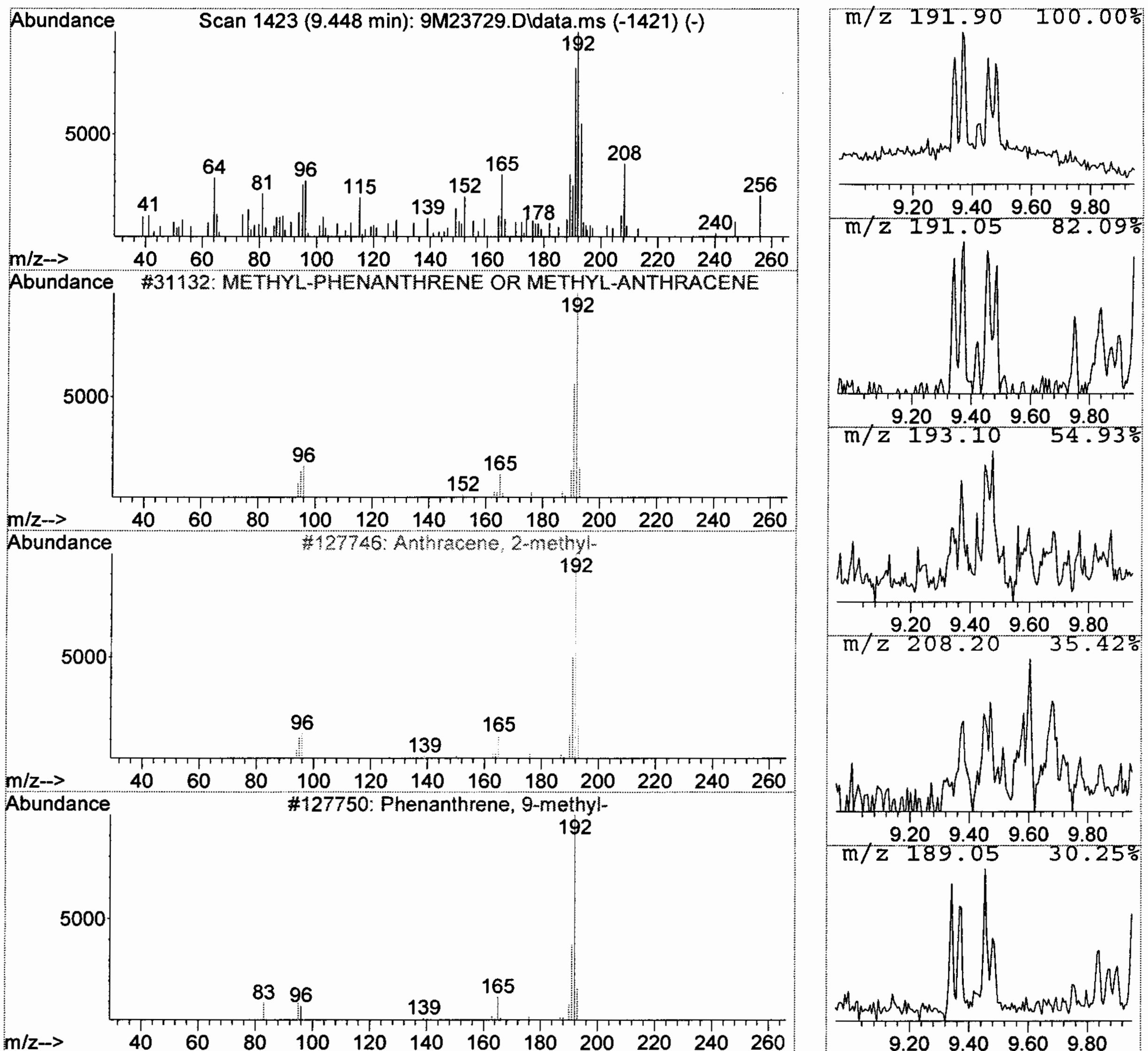
Peak Number 21 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	5.13 ng	46935	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81
4	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	74
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74



Library Search Compound Report

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Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

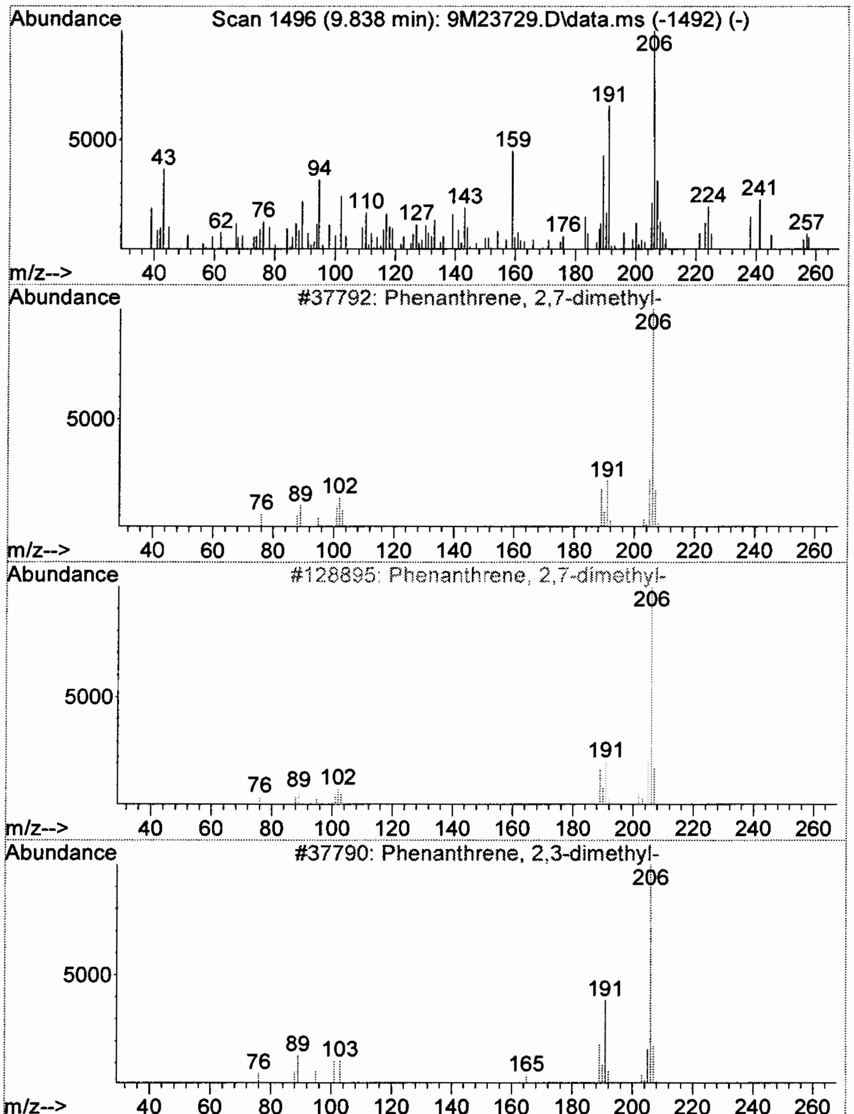
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

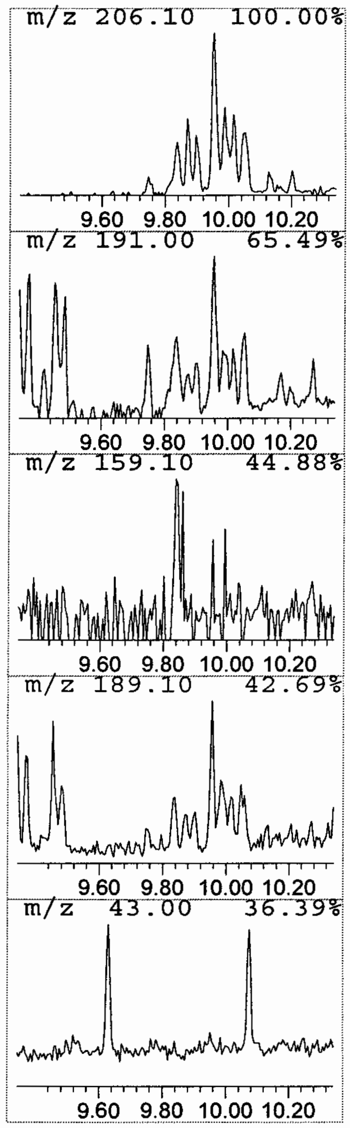
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 unknown Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	4.55 ng	41636	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	35





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Sample : AC50199-006
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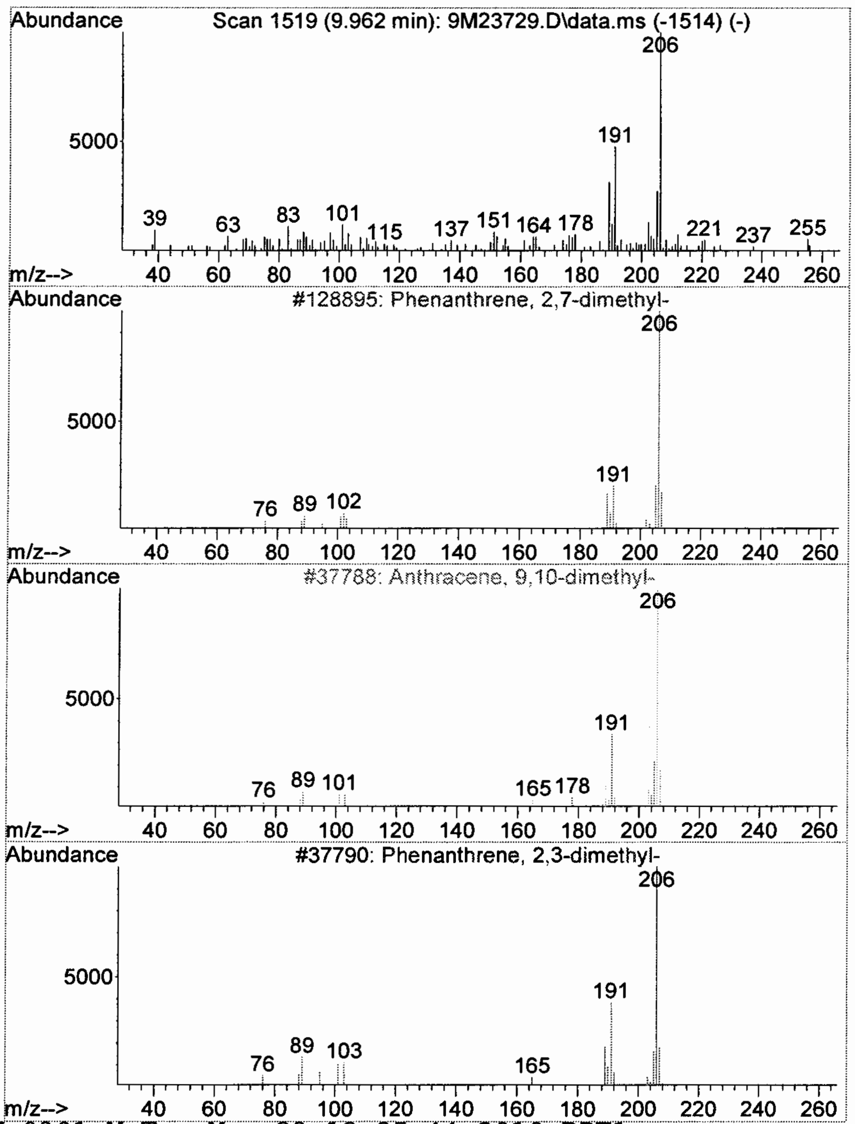
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

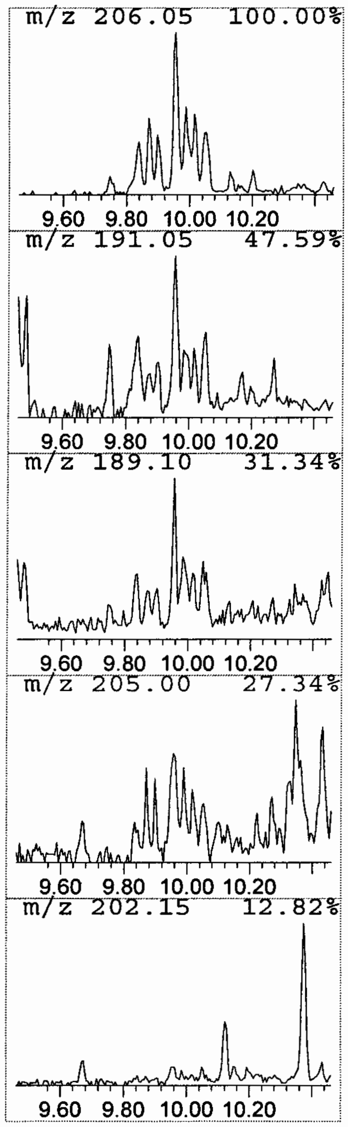
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	6.44 ng	58970	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	92
2	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	86
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80





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ALS Vial : 23 Sample Multiplier: 1

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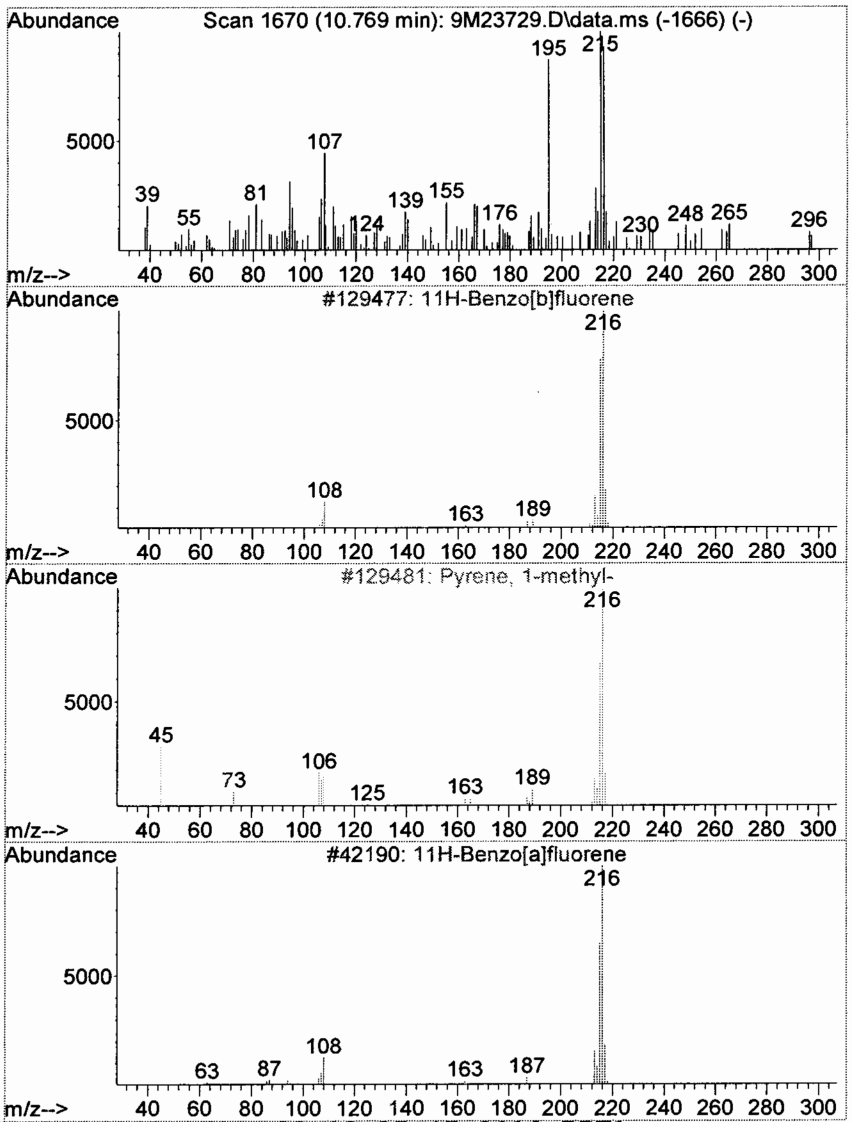
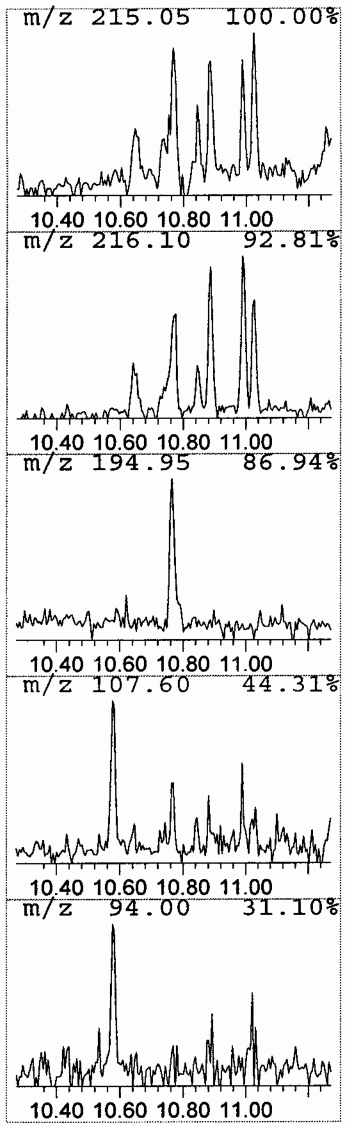
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	5.77 ng	49188	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	43
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	30
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	27
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	27
5	2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	25





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Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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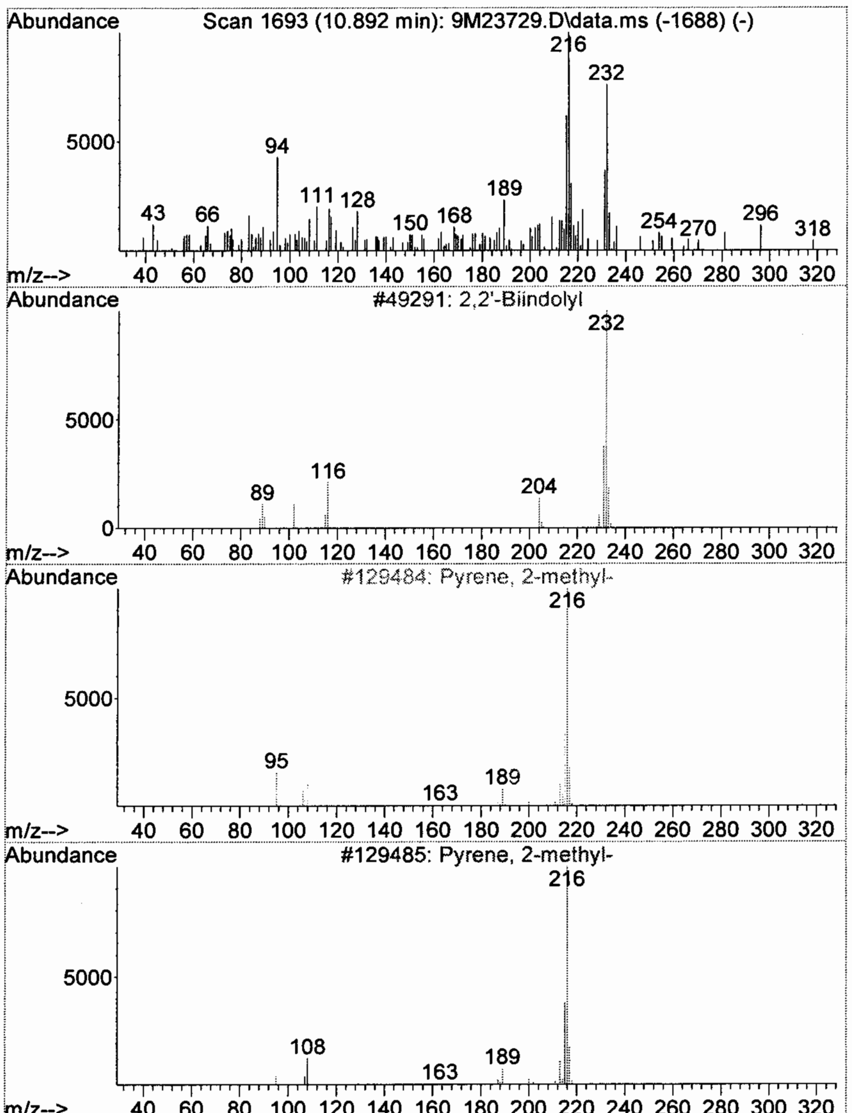
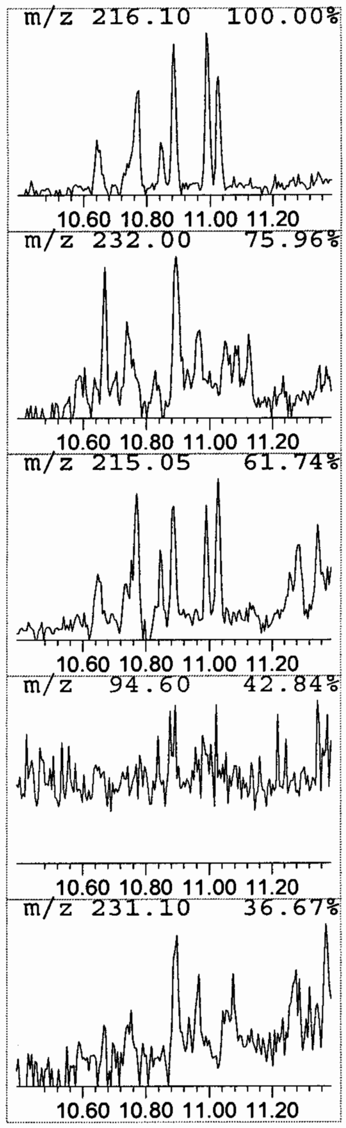
Peak Number 25 unknown Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	4.67 ng	39854	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Biindolyl	232	C16H12N2	040899-99-8	38
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	35
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	30
4	DIETHYLPHENYL-BOROXINE	216	C10H15B3O3	000000-00-0	30
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	30





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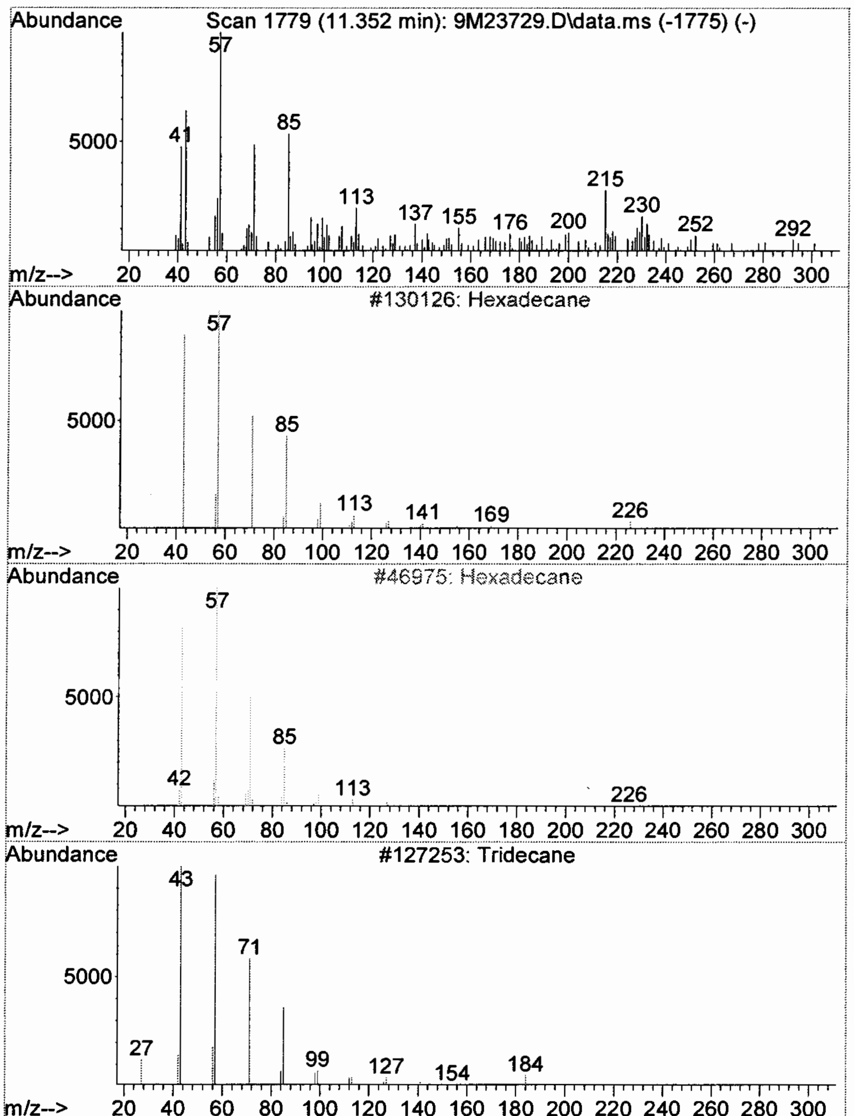
Quant Title : @GCMS_9,mg,625,8270

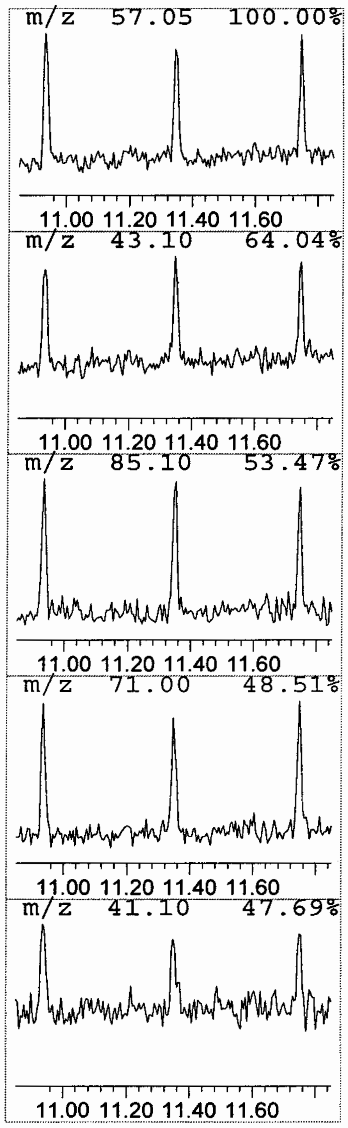
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	5.13 ng	43706	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Tridecane	184	C13H28	000629-50-5	50
4	Hexadecane	226	C16H34	000544-76-3	50
5	Hexadecane	226	C16H34	000544-76-3	45





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Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

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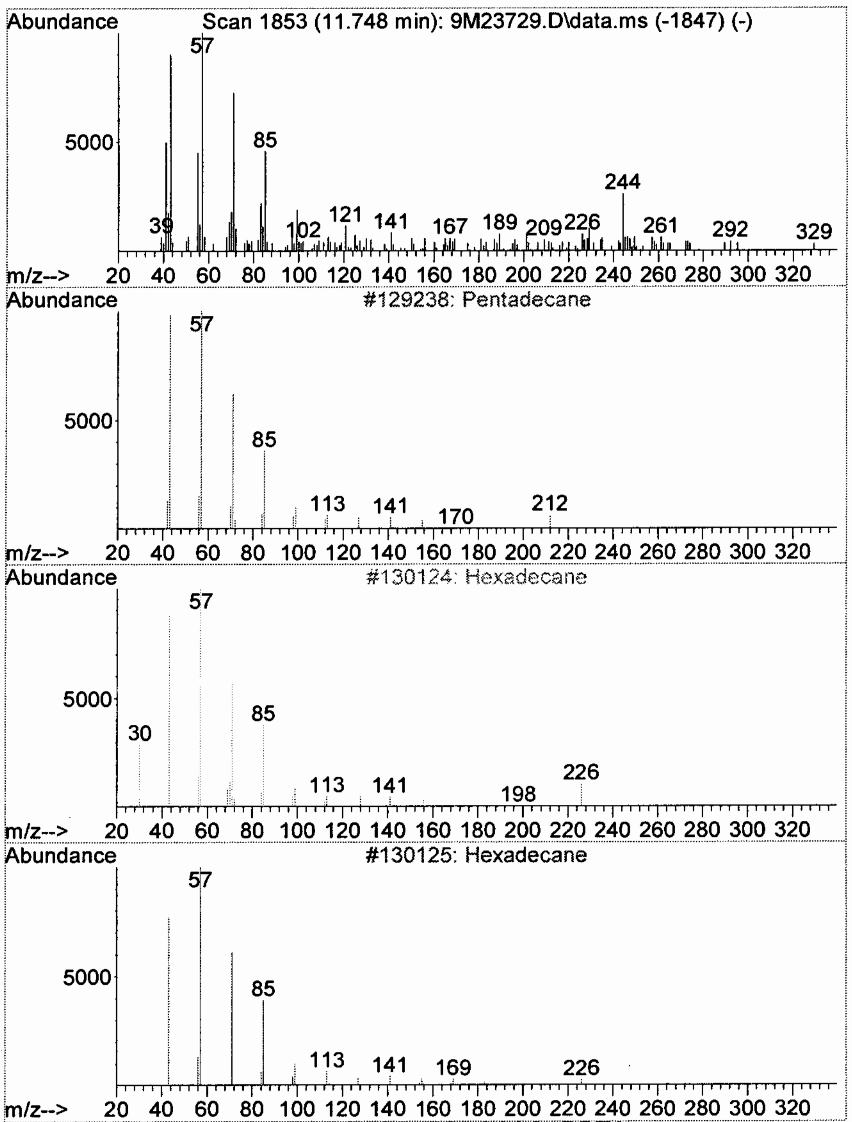
Quant Title : @GCMS_9,mg,625,8270

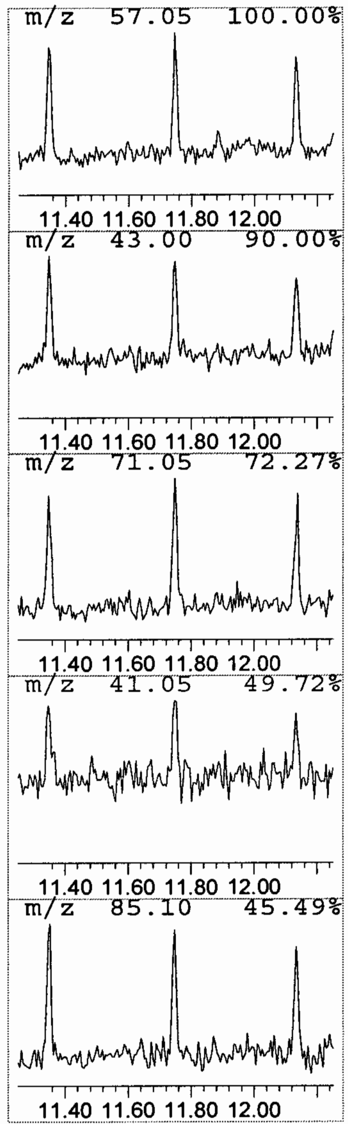
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	6.61 ng	56374	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	78
2	Hexadecane	226	C16H34	000544-76-3	60
3	Hexadecane	226	C16H34	000544-76-3	60
4	Hexadecane	226	C16H34	000544-76-3	53
5	Hexadecane	226	C16H34	000544-76-3	53





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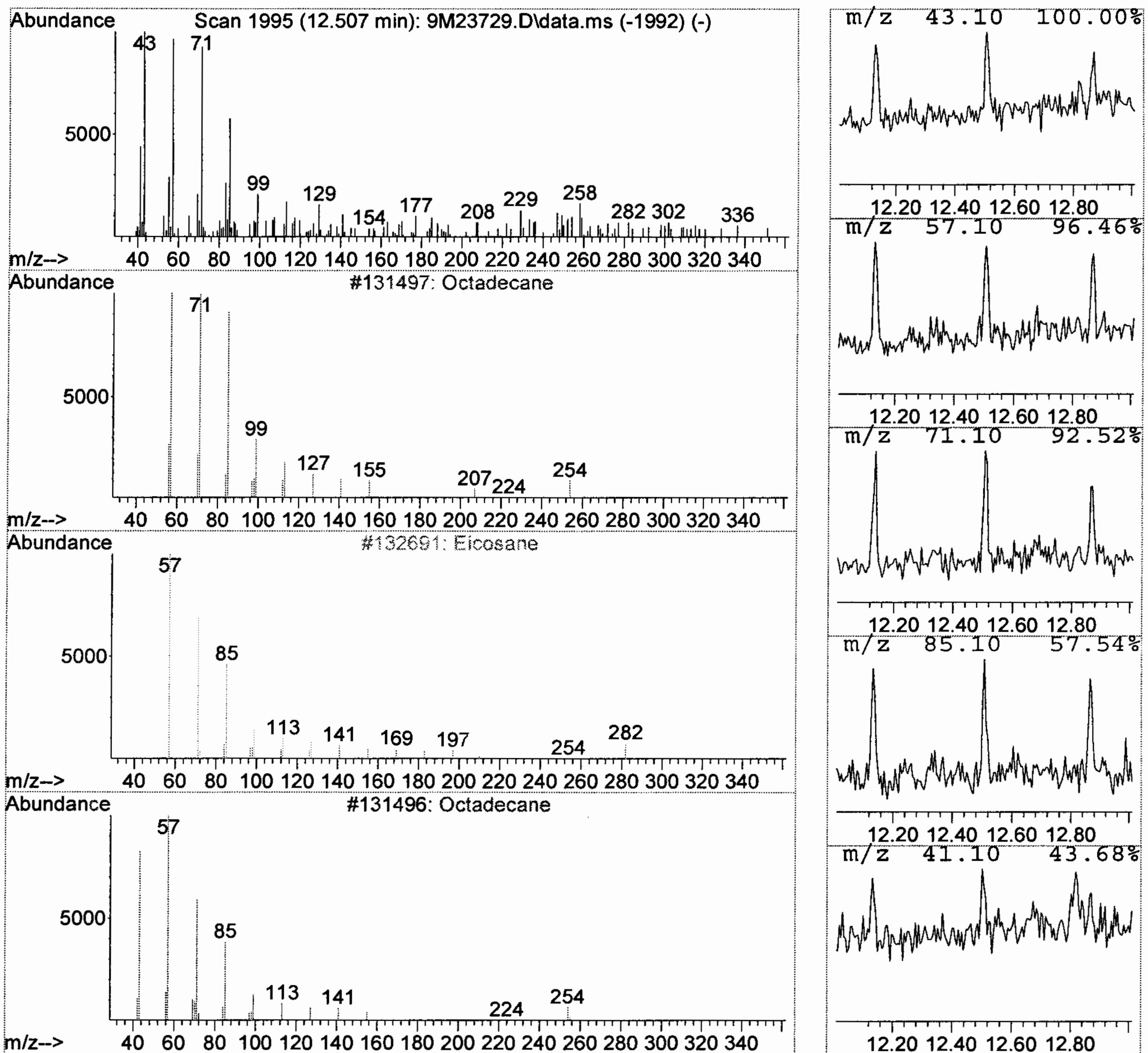
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 28 Octadecane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.41 ng	37571	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	89
2	Eicosane	282	C20H42	000112-95-8	83
3	Octadecane	254	C18H38	000593-45-3	76
4	Octadecane	254	C18H38	000593-45-3	70
5	Octadecane	254	C18H38	000593-45-3	70



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23729.D
Acq On : 12 Mar 2010 20:13
Operator : AHD
Sample : AC50199-006
Misc : S,BNA
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
3-Penten-2-one, 4...	2.55	24.0	ng	137809	1	5.08	5.08	229780	40.0
unknown	3.12	26.0	ng	149438	1	5.08	5.08	229780	40.0
2-Pentanone, 4-hy...	3.56	6128.4	ng	35204868	1	5.08	5.08	229780	40.0
Ethanol, 2-butoxy-	4.14	4.4	ng	25556	1	5.08	5.08	229780	40.0
unknown	4.25	12.9	ng	73865	1	5.08	5.08	229780	40.0
1-Propanol, 2-iso...	4.48	5.4	ng	31159	1	5.08	5.08	229780	40.0
Benzene, 1,2,4-tr...	4.93	5.4	ng	30937	1	5.08	5.08	229780	40.0
Nonane, 3-methyl-	6.45	5.1	ng	41434	2	6.11	6.11	323664	40.0
Naphthalene, 1-me...	6.71	5.7	ng	45986	2	6.11	6.11	323664	40.0
Naphthalene, 1,3-...	7.17	4.7	ng	44557	3	7.44	7.44	376410	40.0
Benzene, (1,4-cyc...	7.19	5.4	ng	51189	3	7.44	7.44	376410	40.0
Naphthalene, 1,4-...	7.27	5.5	ng	51829	3	7.44	7.44	376410	40.0
Naphthalene, 2,3,...	7.78	5.8	ng	54840	3	7.44	7.44	376410	40.0
[1,1'-Biphenyl]-4...	8.06	4.7	ng	44490	3	7.44	7.44	376410	40.0
Pentadecane, 2,6,...	8.28	12.3	ng	112932	4	8.81	8.81	366305	40.0
unknown	8.57	6.6	ng	60867	4	8.81	8.81	366305	40.0
Tetradecane	8.72	4.6	ng	42120	4	8.81	8.81	366305	40.0
Nonadecane	9.18	5.2	ng	47770	4	8.81	8.81	366305	40.0
(E)-6-Ethylidene-...	9.34	5.1	ng	46930	4	8.81	8.81	366305	40.0
Anthracene, 2-met...	9.37	7.2	ng	66310	4	8.81	8.81	366305	40.0
Anthracene, 2-met...	9.45	5.1	ng	46935	4	8.81	8.81	366305	40.0
unknown	9.84	4.5	ng	41636	4	8.81	8.81	366305	40.0
Phenanthrene, 2,7...	9.96	6.4	ng	58970	4	8.81	8.81	366305	40.0
unknown	10.77	5.8	ng	49188	5	11.80	11.80	341050	40.0
unknown	10.89	4.7	ng	39854	5	11.80	11.80	341050	40.0
Hexadecane	11.35	5.1	ng	43706	5	11.80	11.80	341050	40.0
Pentadecane	11.75	6.6	ng	56374	5	11.80	11.80	341050	40.0
Octadecane	12.51	4.4	ng	37571	5	11.80	11.80	341050	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC50199-007(2X)
Client Id: PI-01-TP-RAS2030510SO1
Data File: 9M23730.D
Analysis Date: 03/12/10 20:36
Date Rec/Extracted: 03/05/10-03/12/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.17	U	191-24-2	Benzo[g,h,i]perylene	0.17	U
122-66-7	1,2-Diphenylhydrazine	0.17	U	207-08-9	Benzo[k]fluoranthene	0.17	U
95-95-4	2,4,5-Trichlorophenol	0.17	U	65-85-0	Benzoic Acid	0.87	U
88-06-2	2,4,6-Trichlorophenol	0.17	U	111-91-1	bis(2-Chloroethoxy)methan	0.17	U
120-83-2	2,4-Dichlorophenol	0.17	U	111-44-4	bis(2-Chloroethyl)ether	0.17	U
105-67-9	2,4-Dimethylphenol	0.17	U	108-60-1	bis(2-chloroisopropyl)ether	0.17	U
51-28-5	2,4-Dinitrophenol	0.87	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.17	U
121-14-2	2,4-Dinitrotoluene	0.17	U	85-68-7	Butylbenzylphthalate	0.17	U
606-20-2	2,6-Dinitrotoluene	0.17	U	86-74-8	Carbazole	0.17	U
91-58-7	2-Chloronaphthalene	0.17	U	**218-01-9**	**Chrysene**	**0.17**	**0.33**
95-57-8	2-Chlorophenol	0.17	U	53-70-3	Dibenzo[a,h]anthracene	0.17	U
91-57-6	**2-Methylnaphthalene**	**0.17**	**0.88**	132-64-9	Dibenzofuran	0.17	U
95-48-7	2-Methylphenol	0.17	U	84-66-2	Diethylphthalate	0.17	U
88-74-4	2-Nitroaniline	0.17	U	131-11-3	Dimethylphthalate	0.17	U
88-75-5	2-Nitrophenol	0.17	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.17	U	117-84-0	Di-n-octylphthalate	0.17	U
91-94-1	3,3'-Dichlorobenzidine	0.17	U	**206-44-0**	**Fluoranthene**	**0.17**	**0.20**
99-09-2	3-Nitroaniline	0.17	U	**86-73-7**	**Fluorene**	**0.17**	**0.32**
534-52-1	4,6-Dinitro-2-methylphenol	0.87	U	118-74-1	Hexachlorobenzene	0.17	U
101-55-3	4-Bromophenyl-phenylether	0.17	U	87-68-3	Hexachlorobutadiene	0.17	U
59-50-7	4-Chloro-3-methylphenol	0.17	U	77-47-4	Hexachlorocyclopentadiene	0.87	U
106-47-8	4-Chloroaniline	0.17	U	67-72-1	Hexachloroethane	0.17	U
7005-72-3	4-Chlorophenyl-phenylether	0.17	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.17	U
100-01-6	4-Nitroaniline	0.17	U	78-59-1	Isophorone	0.17	U
100-02-7	4-Nitrophenol	0.17	U	91-20-3	Naphthalene	0.17	U
83-32-9	**Acenaphthene**	**0.17**	**0.21**	98-95-3	Nitrobenzene	0.17	U
208-96-8	Acenaphthylene	0.17	U	62-75-9	N-Nitrosodimethylamine	0.17	U
62-53-3	Aniline	0.17	U	621-64-7	N-Nitroso-di-n-propylamine	0.17	U
120-12-7	**Anthracene**	**0.17**	**0.28**	86-30-6	n-Nitrosodiphenylamine	0.17	U
92-87-5	Benzidine	0.87	U	87-86-5	Pentachlorophenol	0.87	U
56-55-3	**Benzo[a]anthracene**	**0.17**	**0.23**	**85-01-8**	**Phenanthrene**	**0.17**	**1.1**
50-32-8	**Benzo[a]pyrene**	**0.17**	**0.18**	108-95-2	Phenol	0.17	U
205-99-2	Benzo[b]fluoranthene	0.17	U	**129-00-0**	**Pyrene**	**0.17**	**0.95**

Worksheet #: 145846

Total Target Concentration 4.7

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: AC50199-007(2X)
Client Id: PI-01-TP-RAS2030510
Data File: 9M23730.D
Analysis Date: 03/12/10 20:36
Date Rec/Extracted: 03/05/10-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 2
Solids: 77
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	141-79-7	3-Penten-2-one, 4-methyl-	2.56	1.1 JAB	
2		unknown	2.99	1.4 J B	lk 3.23.10
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.48	280 JAB	
4	90-12-0	Naphthalene, 1-methyl-	6.71	1.6 J	
5	1127-76-0	Naphthalene, 1-ethyl-	7.06	1.1 J	
6	581-42-0	Naphthalene, 2,6-dimethyl-	7.12	1.6 J	
7	569-41-5	Naphthalene, 1,8-dimethyl-	7.17	1.9 J	
8	582-16-1	Naphthalene, 2,7-dimethyl-	7.19	1.3 J	
9	575-41-7	Naphthalene, 1,3-dimethyl-	7.27	0.93 J	
10	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.53	1.4 J	
11	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	1.3 J	
12	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.71	0.81 J	
13	2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.79	1.0 J	
14	1430-97-3	9H-Fluorene, 2-methyl-	8.42	0.77 J	
15	7372-88-5	Dibenzothiophene, 4-methyl-	9.15	0.79 J	
16	832-64-4	Phenanthrene, 4-methyl-	9.34	1.0 J	
17	613-12-7	Anthracene, 2-methyl-	9.37	1.3 J	
18	832-64-4	Phenanthrene, 4-methyl-	9.46	1.2 J	
19		unknown	9.84	2.1 J	
20	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.88	1.7 J	
21	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.96	1.6 J	
22		unknown	10.20	0.80 J	
23	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	0.76 J	
24	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	1.1 J	
25		unknown	10.77	0.93 J	

Worksheet #: 145846

Total Tentatively Identified Concentration 310

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)

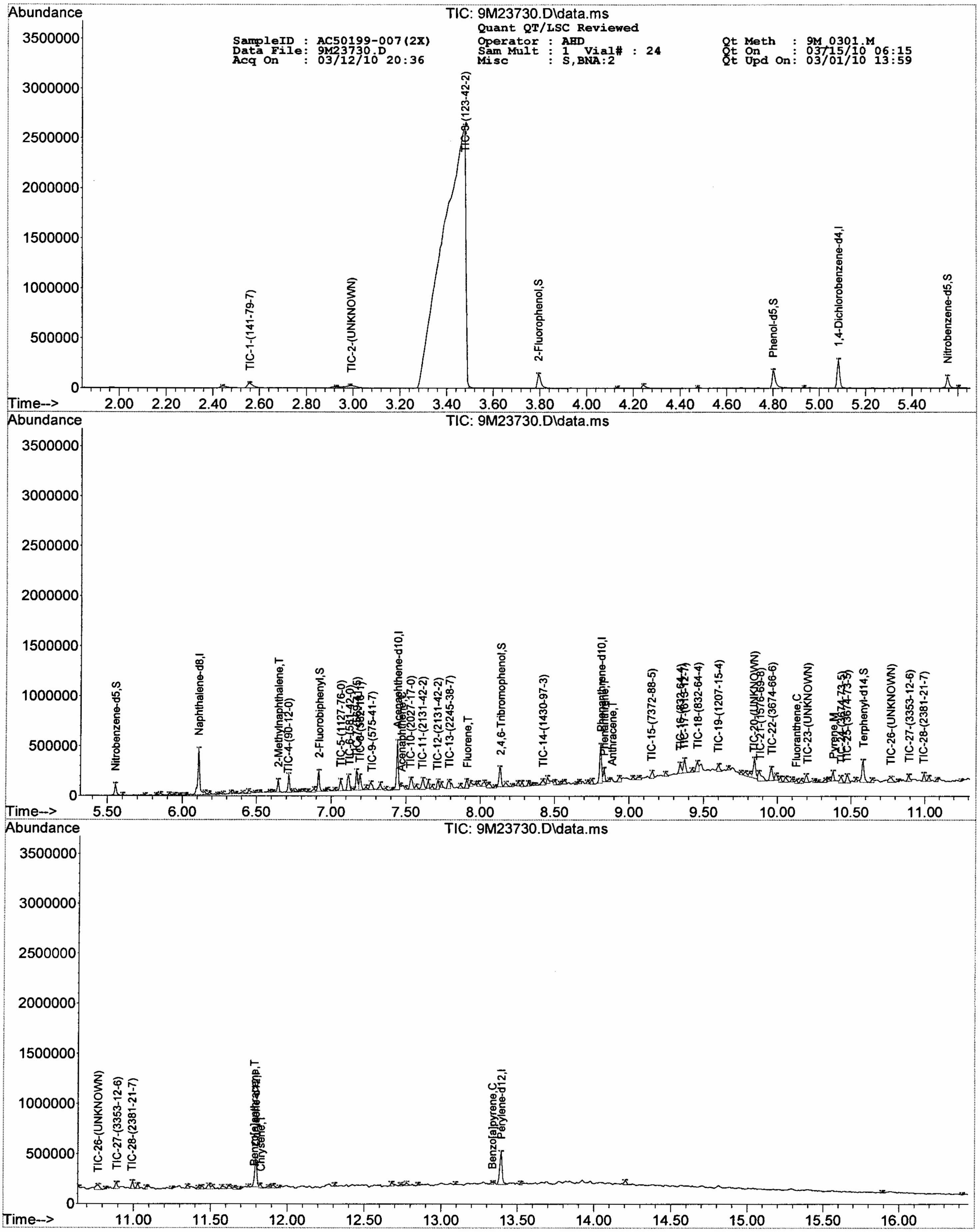
SampleID : AC50199-007(2X)
Data File: 9M23730.D
Acq On : 03/12/10 20:36
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : S,BNA:2
Qt Meth : 9M_0301.M
Qt On : 03/15/10 06:15
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

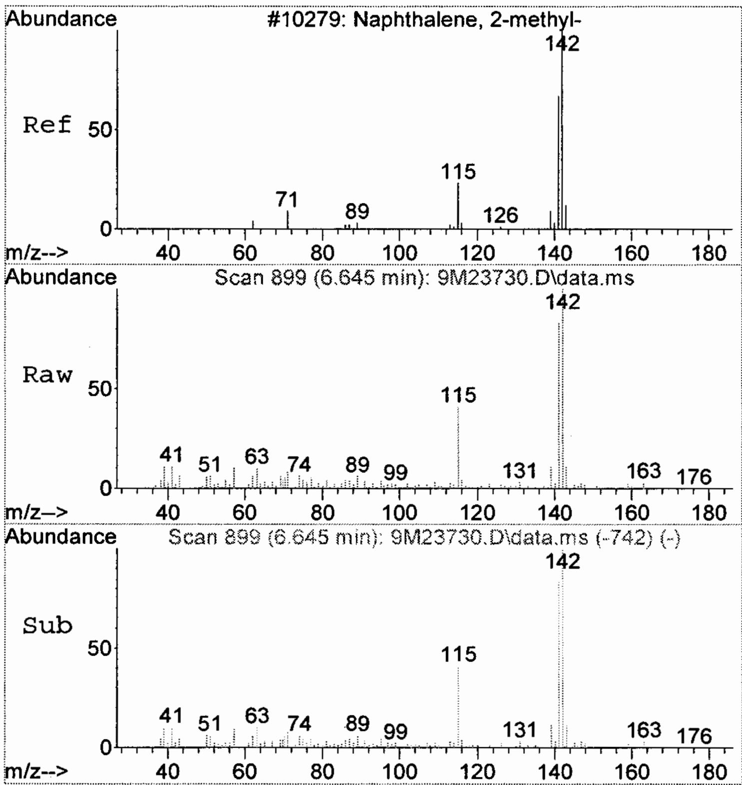
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.083	152	30879	40.00 ng	-0.18
29) Naphthalene-d8	6.110	136	125638	40.00 ng	-0.18
47) Acenaphthene-d10	7.442	164	71121	40.00 ng	-0.20
73) Phenanthrene-d10	8.811	188	111801	40.00 ng	-0.23
87) Chrysene-d12	11.796	240	92687	40.00 ng	-0.26
102) Perylene-d12	13.395	264	111198	40.00 ng	-0.26
System Monitoring Compounds					
10) 2-Fluorophenol	3.794	112	36363	43.80 ng	-0.21
Spiked Amount 100.000			Recovery =	43.80%	
15) Phenol-d5	4.800	99	54544	50.38 ng	-0.18
Spiked Amount 100.000			Recovery =	50.38%	
30) Nitrobenzene-d5	5.554	128	10910	20.72 ng	-0.18
Spiked Amount 50.000			Recovery =	41.44%	
52) 2-Fluorobiphenyl	6.918	172	47889	19.68 ng	-0.18
Spiked Amount 50.000			Recovery =	39.36%	
76) 2,4,6-Tribromophenol	8.137	330	15481	74.49 ng	-0.22
Spiked Amount 100.000			Recovery =	74.49%	
90) Terphenyl-d14	10.582	244	55569	20.90 ng	-0.25
Spiked Amount 50.000			Recovery =	41.80%	
Target Compounds					Qvalue
44) 2-Methylnaphthalene	6.645	142	22225	10.18 ng	98
61) Acenaphthene	7.469	153	5013	2.37 ng	89
68) Fluorene	7.913	166	8577	3.65 ng	88
82) Phenanthrene	8.833	178	40759	12.52 ng	98
83) Anthracene	8.886	178	10662	3.19 ng	88
86) Fluoranthene	10.127	202	8296	2.34 ng	95
88) Pyrene	10.379	202	41045	11.00 ng	91
99) Benzo[a]anthracene	11.785	228	8926	2.65 ng	75
100) Chrysene	11.828	228	12296	3.82 ng	94
106) Benzo[a]pyrene	13.336	252	7107	2.05 ng	81
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.083		219427	40.00 ng	--
2) Naphthalene-d8	6.110		311425m	40.00 ng	--
3) Acenaphthene-d10	7.442		344021m	40.00 ng	--
4) Phenanthrene-d10	8.811		351569m	40.00 ng	--
5) Chrysene-d12	11.796		311296m	40.00 ng	--
6) Perylene-d12	13.395		377110m	40.00 ng	--
Library Search Compounds					
1) 141-79-7	2.560		71698	13.07 ng	91
2) UNKNOWN	2.990		91598	16.70 ng	--
3) 123-42-2	3.480		17569864	3202.86 ng	45
4) 90-12-0	6.710		143283	18.40 ng	93
5) 1127-76-0	7.060		110808	12.88 ng	94
6) 581-42-0	7.120		163345	18.99 ng	97
7) 569-41-5	7.170		188410	21.91 ng	96
8) 582-16-1	7.190		125476	14.59 ng	94
9) 575-41-7	7.270		92339	10.74 ng	97
10) 2027-17-0	7.530		138126	16.06 ng	94
11) 2131-42-2	7.610		126372	14.69 ng	98
12) 2131-42-2	7.710		80915	9.41 ng	94
13) 2245-38-7	7.790		100033	11.63 ng	86
14) 1430-97-3	8.420		78265	8.90 ng	70
15) 7372-88-5	9.150		80513	9.16 ng	89
16) 832-64-4	9.340		103219	11.74 ng	81
17) 613-12-7	9.370		131788	14.99 ng	90
18) 832-64-4	9.460		121658	13.84 ng	49
19) 1207-15-4	9.600		73128	8.32 ng	78
20) UNKNOWN	9.840		211534	24.07 ng	--
21) 1576-69-8	9.880		167512	19.06 ng	83
22) 3674-66-6	9.960		161029	18.32 ng	91
23) UNKNOWN	10.200		81688	9.29 ng	--
24) 3674-73-5	10.430		68165	8.76 ng	87
25) 3674-73-5	10.470		99511	12.79 ng	74
26) UNKNOWN	10.770		84037	10.80 ng	--
27) 3353-12-6	10.890		66887	8.59 ng	93
28) 2381-21-7	10.990		67635	8.69 ng	93

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

lee

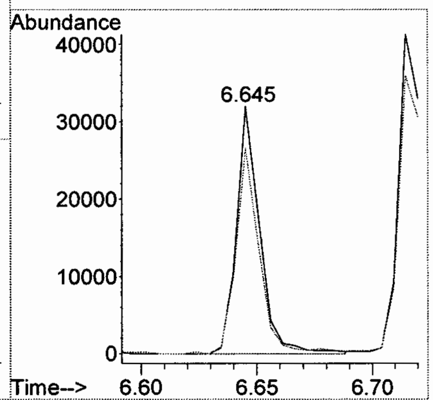


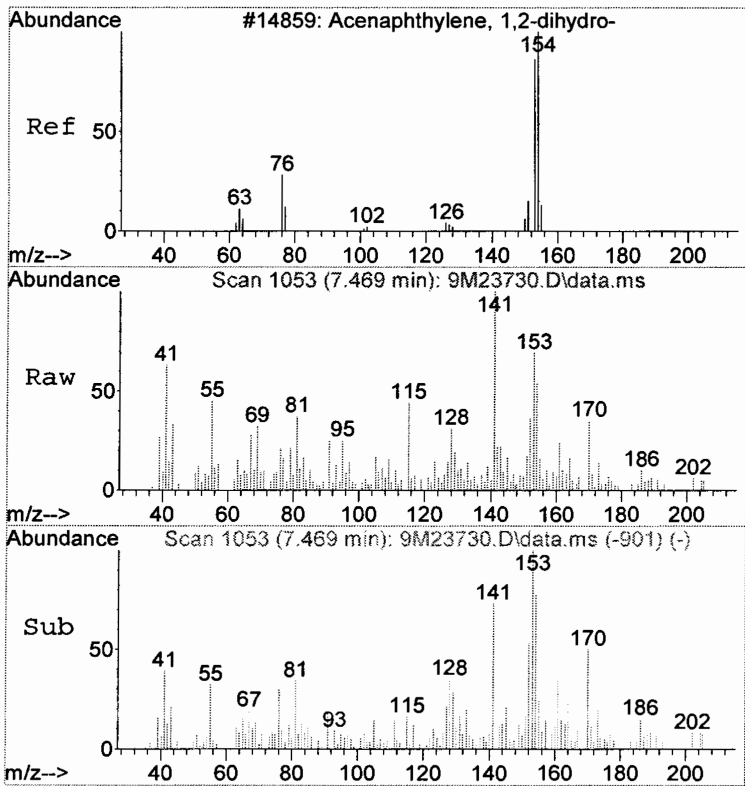
TIC: 9M23730.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC50199-007(2X)
Data File: 9M23730.D
Acq On : 03/12/10 20:36
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : S,BNA:2
Qt Meth : 9M_0301.M
Qt On : 03/15/10 06:15
Qt Upd On: 03/01/10 13:59
Abundance
Time-->



#44
2-Methylnaphthalene
Concen: 10.18 ng
RT: 6.645 min Scan# 899
Delta R.T. -0.177 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

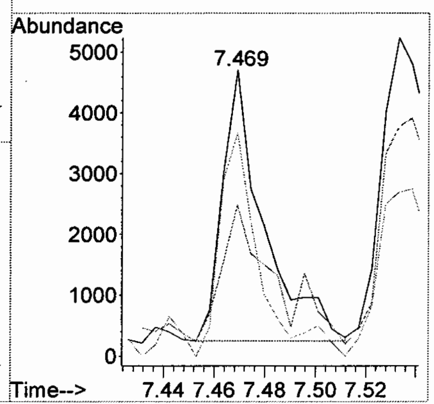
Tgt Ion:142	Resp:	22225	
Ion	Ratio	Lower	Upper
142	100		
141	82.3	44.6	124.6

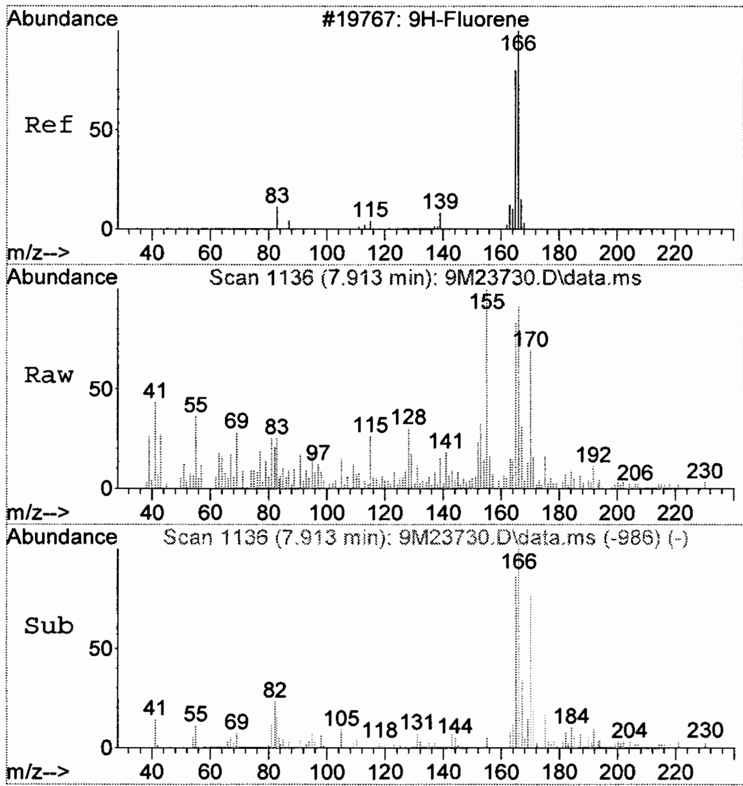




#61
Acenaphthene
Concen: 2.37 ng
RT: 7.469 min Scan# 1053
Delta R.T. -0.204 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:153	Resp:	5013	
Ion	Ratio	Lower	Upper
153	100		
152	51.2	10.0	90.0
154	82.1	57.5	137.5

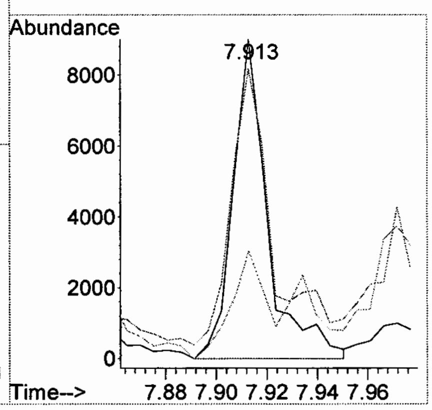


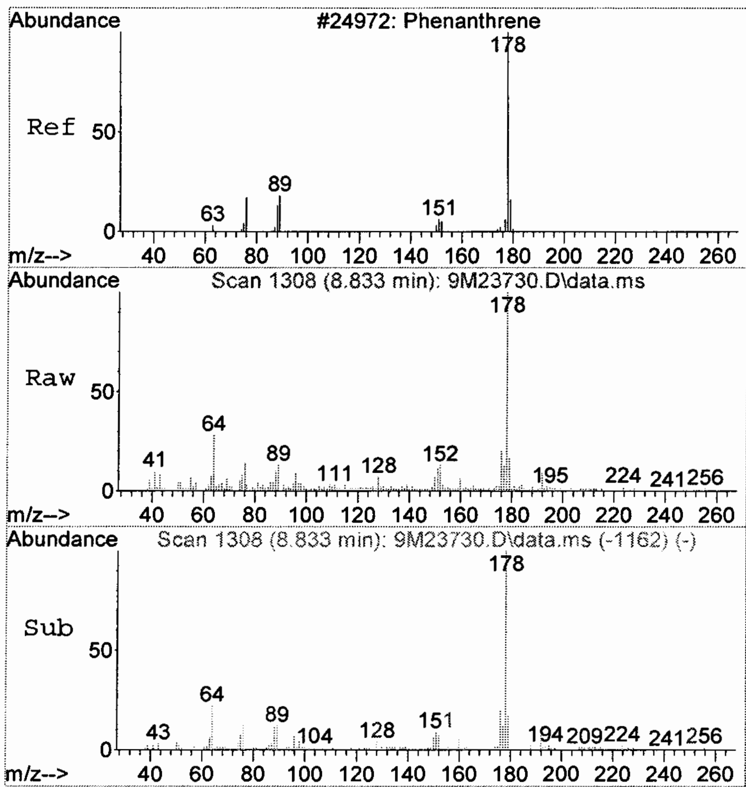


#68
Fluorene
Concen: 3.65 ng
RT: 7.913 min Scan# 1136
Delta R.T. -0.214 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:166 Resp: 8577

Ion	Ratio	Lower	Upper
166	100		
165	86.6	0.0	292.6
167	33.7	0.0	213.2

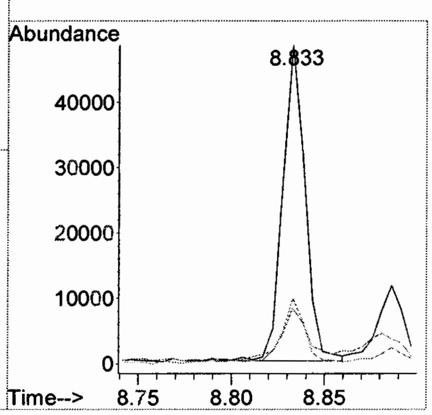


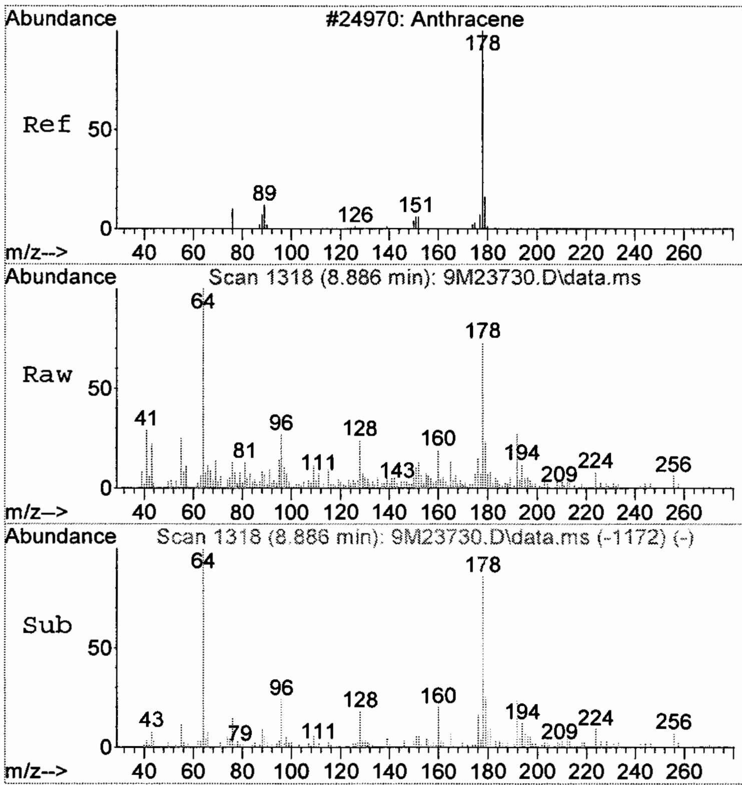


#82
Phenanthrene
Concen: 12.52 ng
RT: 8.833 min Scan# 1308
Delta R.T. -0.236 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:178 Resp: 40759

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	55.5
176	20.1	0.0	59.3

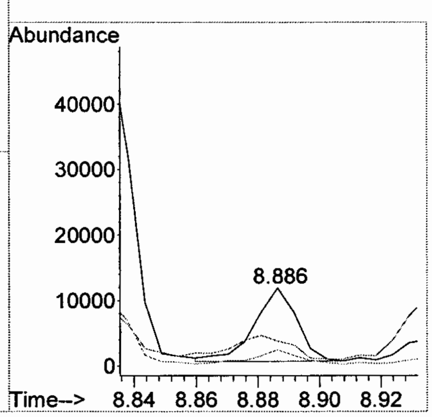


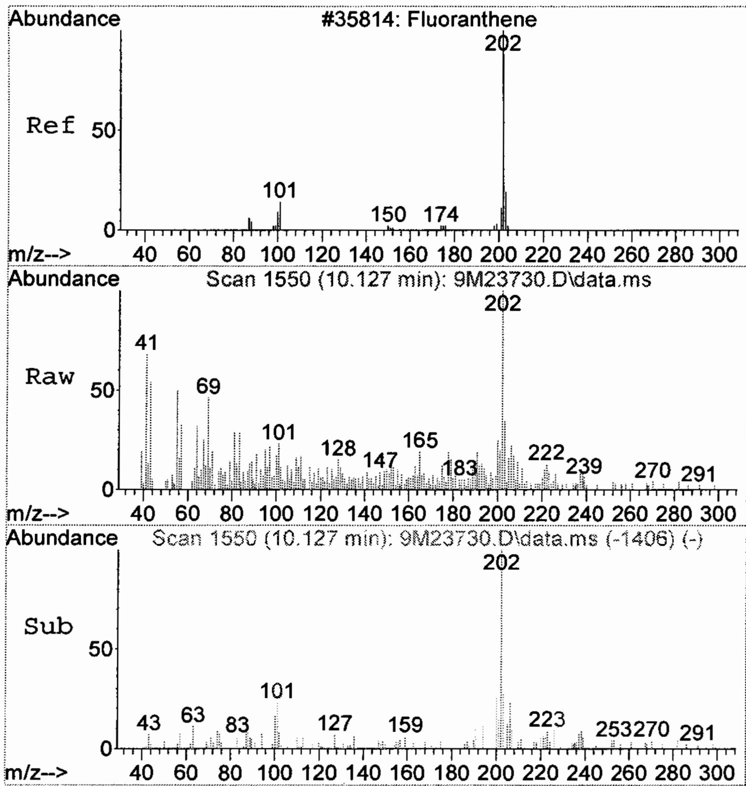


#83
Anthracene
Concen: 3.19 ng
RT: 8.886 min Scan# 1318
Delta R.T. -0.236 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:178 Resp: 10662

Ion	Ratio	Lower	Upper
178	100		
179	24.8	0.0	55.2
176	19.5	0.0	58.1

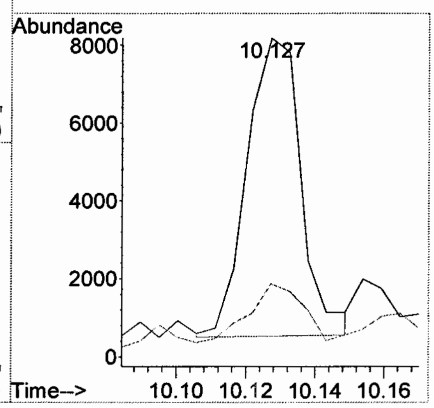


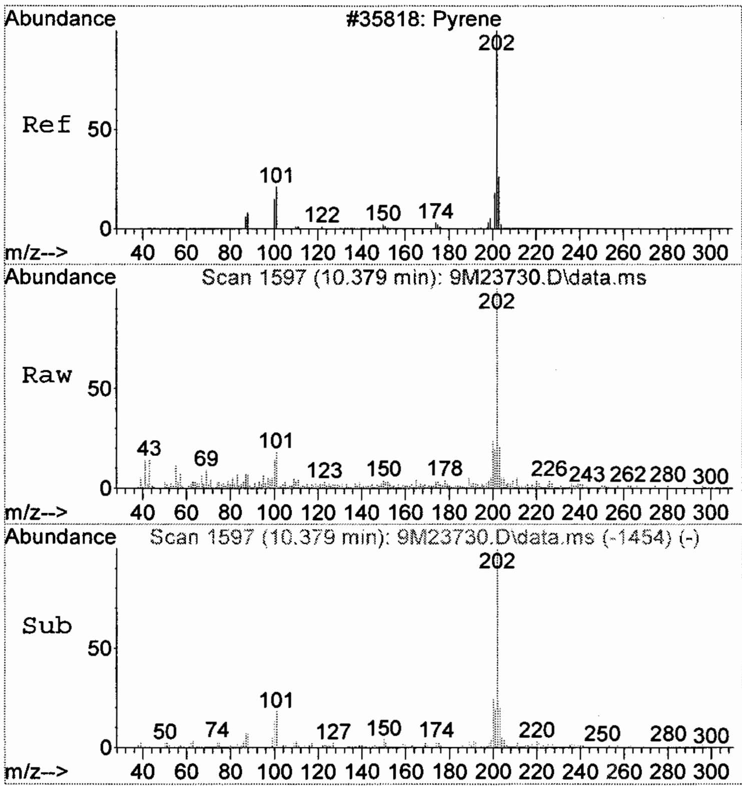


#86
Fluoranthene
Concen: 2.34 ng
RT: 10.127 min Scan# 1550
Delta R.T. -0.246 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:202 Resp: 8296

Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	57.6

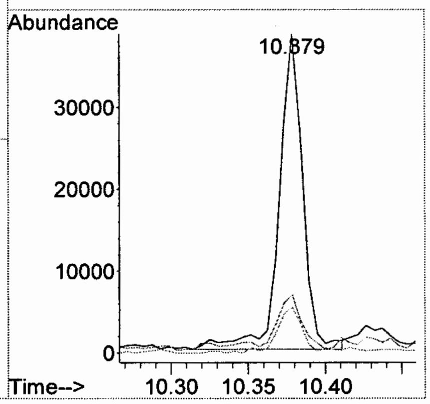


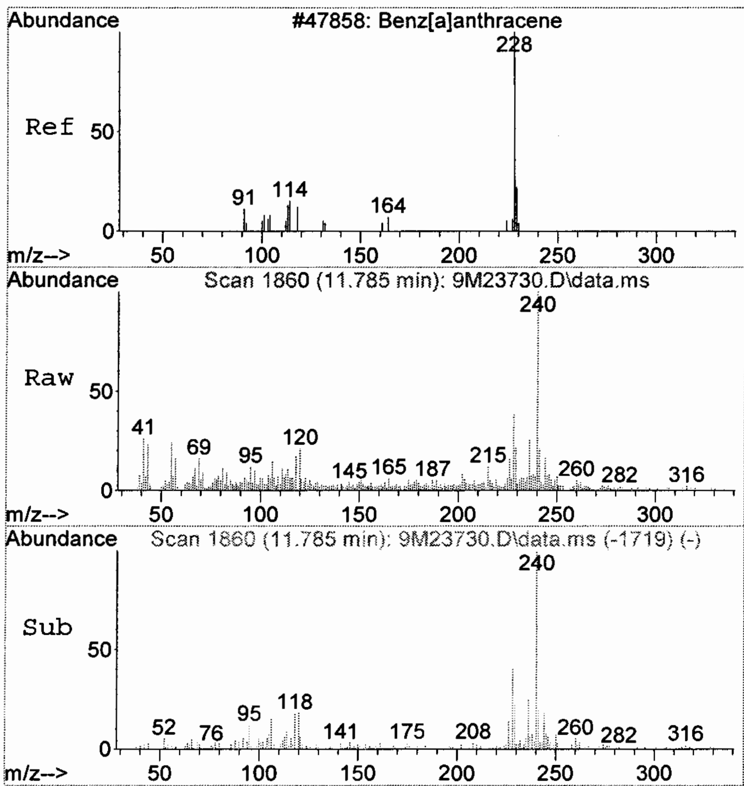


#88
Pyrene
Concen: 11.00 ng
RT: 10.379 min Scan# 1597
Delta R.T. -0.252 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:202 Resp: 41045

Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	62.2
100	14.5	0.0	57.8

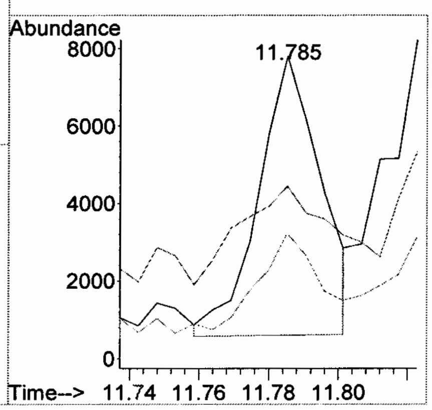


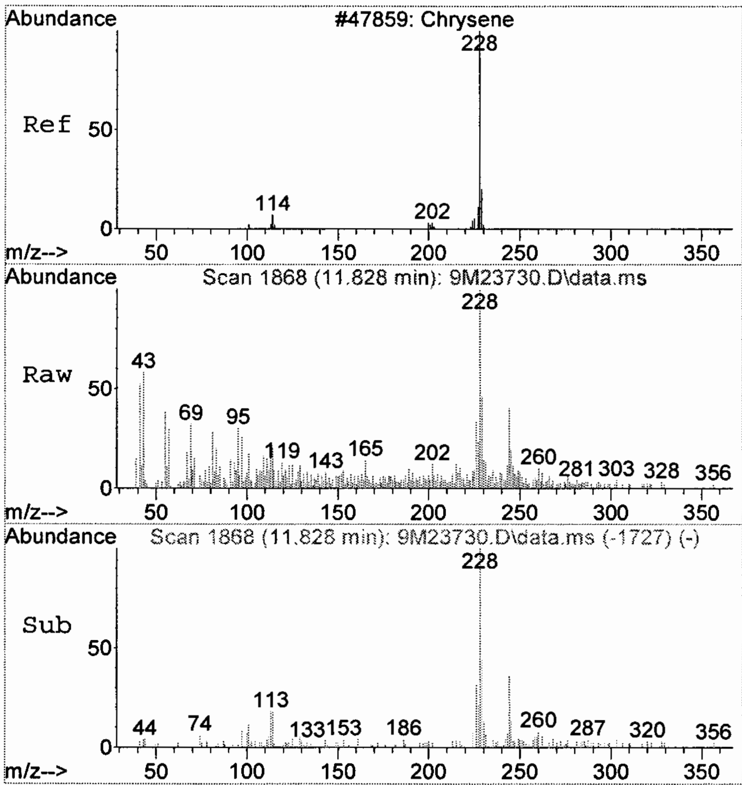


#99
Benzo[a]anthracene
Concen: 2.65 ng
RT: 11.785 min Scan# 1860
Delta R.T. -0.262 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:228 Resp: 8926

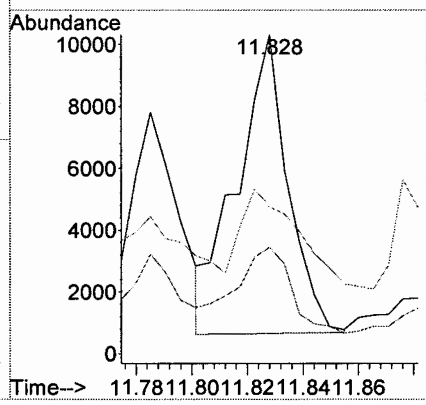
Ion	Ratio	Lower	Upper
228	100		
229	36.6	0.0	59.5
226	33.7	0.0	66.0

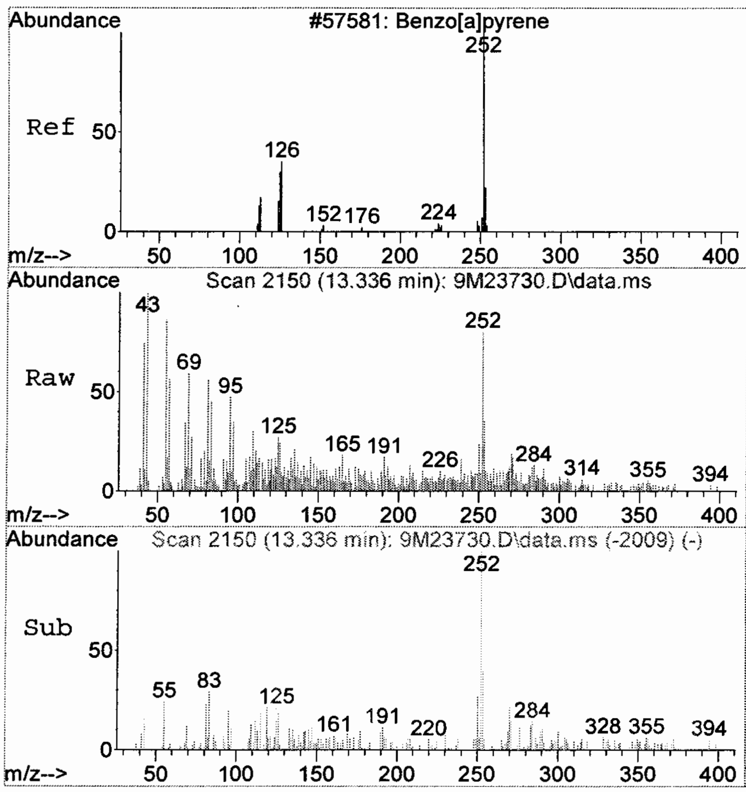




#100
Chrysene
Concen: 3.82 ng
RT: 11.828 min Scan# 1868
Delta R.T. -0.262 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

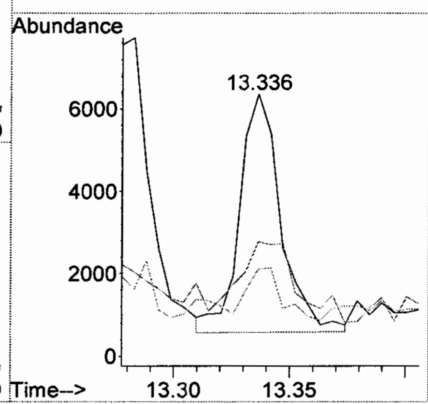
Tgt Ion:228	Resp:	12296	
Ion	Ratio	Lower	Upper
228	100		
226	29.1	9.5	49.5
229	26.2	0.0	60.2





#106
Benzo[a]pyrene
Concen: 2.05 ng
RT: 13.336 min Scan# 2150
Delta R.T. -0.262 min
Lab File: 9M23730.D
Acq: 12 Mar 2010 20:36

Tgt Ion:252	Resp:	7107	
Ion	Ratio	Lower	Upper
252	100		
253	35.0	0.0	62.4
125	15.9	0.0	60.9



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0
Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23730.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.441	109	113	126	rBV3	16956	35412	0.20%	0.130%
2	2.559	131	135	148	rBV	43372	71698	0.41%	0.262%
3	2.928	197	204	206	rBV3	12769	26714	0.15%	0.098%
4	2.987	206	215	235	rVB3	24401	91598	0.52%	0.335%
5	3.479	268	307	310	rBV	2626429	17569864	100.00%	64.307%
6	3.794	363	366	379	rBV	138525	146789	0.84%	0.537%
7	4.131	422	429	433	rBV	9995	11710	0.07%	0.043%
8	4.244	447	450	457	rBV	32485	35051	0.20%	0.128%
9	4.474	490	493	501	rVB2	13328	13484	0.08%	0.049%
10	4.800	551	554	563	rBV	177911	183791	1.05%	0.673%
11	4.934	576	579	582	rBV	11518	8525	0.05%	0.031%
12	5.083	604	607	612	rBV	281128	219118	1.25%	0.802%
13	5.554	693	695	702	rVB	112806	86061	0.49%	0.315%
14	5.602	702	704	706	rBV	12535	6798	0.04%	0.025%
15	5.752	729	732	735	rVB3	9791	8916	0.05%	0.033%
16	5.827	742	746	749	rBV4	10871	13010	0.07%	0.048%
17	5.854	749	751	756	rVB4	19246	18028	0.10%	0.066%
18	5.912	760	762	765	rBV2	16206	15114	0.09%	0.055%
19	5.950	765	769	772	rVB3	10425	12328	0.07%	0.045%
20	5.987	772	776	779	rBV6	8014	9875	0.06%	0.036%
21	6.025	781	783	784	rBV	9329	5923	0.03%	0.022%
22	6.110	791	799	805	rBV	463777	424567	2.42%	1.554%
23	6.153	805	807	810	rVV	30499	26659	0.15%	0.098%
24	6.180	810	812	817	rVB3	19866	22910	0.13%	0.084%
25	6.239	821	823	825	rBV2	9108	7427	0.04%	0.027%
26	6.276	828	830	833	rVB2	15734	11736	0.07%	0.043%
27	6.330	836	840	842	rBV2	21932	21792	0.12%	0.080%
28	6.362	844	846	850	rVB5	8175	8146	0.05%	0.030%
29	6.410	850	855	858	rBV5	19616	25925	0.15%	0.095%
30	6.447	858	862	865	rBV5	34280	40417	0.23%	0.148%
31	6.490	868	870	871	rBV2	11921	7853	0.04%	0.029%
32	6.522	873	876	881	rVB6	13317	14802	0.08%	0.054%
33	6.592	883	889	891	rBV7	14413	18421	0.10%	0.067%
34	6.608	891	892	895	rVB3	9381	6434	0.04%	0.024%
35	6.645	895	899	902	rBV	121172	83881	0.48%	0.307%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	6.715	908	912	916	rBV	180625	143283	0.82%	0.524%
37	6.747	916	918	920	rVB2	21760	17228	0.10%	0.063%
38	6.779	920	924	925	rBV4	10370	9576	0.05%	0.035%
39	6.795	925	927	929	rVB3	14825	10044	0.06%	0.037%
40	6.816	929	931	934	rVB3	18850	15096	0.09%	0.055%
41	6.843	934	936	939	rVB3	20558	16953	0.10%	0.062%
42	6.886	939	944	946	rBV6	41765	47100	0.27%	0.172%
43	6.918	946	950	955	rVB	204451	164691	0.94%	0.603%
44	6.961	955	958	959	rBV3	8247	7637	0.04%	0.028%
45	6.977	959	961	966	rVV6	21165	25107	0.14%	0.092%
46	7.025	966	970	972	rVV3	21472	20292	0.12%	0.074%
47	7.062	972	977	983	rVV	106889	110808	0.63%	0.406%
48	7.116	983	987	990	rVV	151375	163345	0.93%	0.598%
49	7.148	990	993	994	rVV3	17450	17786	0.10%	0.065%
50	7.169	994	997	1000	rVV	198650	188410	1.07%	0.690%
51	7.191	1000	1001	1006	rVV	145137	125476	0.71%	0.459%
52	7.234	1006	1009	1011	rVV2	33964	27290	0.16%	0.100%
53	7.266	1011	1015	1019	rVB	74189	92339	0.53%	0.338%
54	7.330	1022	1027	1031	rBV2	61771	59384	0.34%	0.217%
55	7.367	1031	1034	1038	rVB4	22225	21424	0.12%	0.078%
56	7.405	1038	1041	1042	rBV3	13338	8681	0.05%	0.032%
57	7.442	1042	1048	1051	rBV	489198	390080	2.22%	1.428%
58	7.464	1051	1052	1054	rBV2	22947	15527	0.09%	0.057%
59	7.496	1057	1058	1061	rVB3	22805	17050	0.10%	0.062%
60	7.533	1061	1065	1069	rBV	108551	138126	0.79%	0.506%
61	7.571	1069	1072	1075	rVB4	37746	39137	0.22%	0.143%
62	7.613	1075	1080	1084	rBV2	103639	126372	0.72%	0.463%
63	7.651	1084	1087	1089	rVB	75997	57783	0.33%	0.211%
64	7.678	1089	1092	1096	rVB5	37745	35424	0.20%	0.130%
65	7.715	1096	1099	1101	rBV	90432	80915	0.46%	0.296%
66	7.736	1101	1103	1106	rVB	43974	32421	0.18%	0.119%
67	7.790	1108	1113	1115	rBV4	75922	100033	0.57%	0.366%
68	7.865	1124	1127	1132	rVB6	36127	39912	0.23%	0.146%
69	7.908	1132	1135	1138	rBV3	82657	86528	0.49%	0.317%
70	7.934	1138	1140	1143	rBV2	45613	47187	0.27%	0.173%
71	7.972	1145	1147	1148	rBV	21848	11981	0.07%	0.044%
72	7.988	1148	1150	1153	rVB2	42318	34458	0.20%	0.126%
73	8.031	1153	1158	1160	rBV3	49596	58972	0.34%	0.216%
74	8.057	1160	1163	1168	rVB5	41867	68709	0.39%	0.251%
75	8.100	1168	1171	1173	rBV3	18956	22228	0.13%	0.081%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

76	8.132	1173	1177	1181	rVB3	192962	196013	1.12%	0.717%
77	8.175	1181	1185	1190	rVB7	39913	54346	0.31%	0.199%
78	8.218	1190	1193	1195	rBV4	19321	20888	0.12%	0.076%
79	8.255	1198	1200	1203	rBV3	39942	37516	0.21%	0.137%
80	8.282	1203	1205	1209	rVB2	47935	38993	0.22%	0.143%
81	8.325	1210	1213	1216	rBV4	40041	36008	0.20%	0.132%
82	8.351	1216	1218	1220	rVB3	15158	10155	0.06%	0.037%
83	8.373	1220	1222	1224	rBV3	10457	9028	0.05%	0.033%
84	8.421	1226	1231	1235	rBV5	50629	78265	0.45%	0.286%
85	8.453	1235	1237	1240	rBV4	62553	56954	0.32%	0.208%
86	8.501	1244	1246	1250	rVB4	38206	36904	0.21%	0.135%
87	8.539	1250	1253	1254	rBV3	21296	16071	0.09%	0.059%
88	8.565	1254	1258	1262	rBV6	32049	49877	0.28%	0.183%
89	8.651	1271	1274	1275	rBV3	15291	13905	0.08%	0.051%
90	8.667	1275	1277	1280	rBV3	27324	32441	0.18%	0.119%
91	8.720	1285	1287	1290	rBV4	21635	25926	0.15%	0.095%
92	8.753	1290	1293	1297	rVB2	45517	45121	0.26%	0.165%
93	8.811	1299	1304	1306	rBV	384737	350480	1.99%	1.283%
94	8.833	1306	1308	1311	rVB	129417	93528	0.53%	0.342%
95	8.870	1311	1315	1316	rBV4	26205	30876	0.18%	0.113%
96	8.934	1323	1327	1330	rBV4	48600	67317	0.38%	0.246%
97	9.025	1342	1344	1347	rVB4	27080	25037	0.14%	0.092%
98	9.068	1347	1352	1355	rBV7	27303	49954	0.28%	0.183%
99	9.154	1365	1368	1371	rBV3	67342	80513	0.46%	0.295%
100	9.245	1382	1385	1389	rBV4	34219	39288	0.22%	0.144%
101	9.341	1400	1403	1406	rBV2	99731	103219	0.59%	0.378%
102	9.373	1406	1409	1413	rVB	132458	131788	0.75%	0.482%
103	9.421	1416	1418	1421	rBV3	31771	29162	0.17%	0.107%
104	9.459	1421	1425	1427	rBV3	100062	121658	0.69%	0.445%
105	9.603	1449	1452	1456	rVB5	63080	73128	0.42%	0.268%
106	9.667	1462	1464	1467	rBV4	27143	24265	0.14%	0.089%
107	9.753	1478	1480	1483	rVV4	28761	28101	0.16%	0.103%
108	9.780	1483	1485	1489	rVV4	34641	52063	0.30%	0.191%
109	9.812	1489	1491	1494	rVV3	44137	54585	0.31%	0.200%
110	9.844	1494	1497	1501	rVV2	197366	211534	1.20%	0.774%
111	9.876	1501	1503	1513	rVB3	91890	167512	0.95%	0.613%
112	9.961	1514	1519	1522	rBV	128939	161029	0.92%	0.589%
113	9.993	1522	1525	1528	rVV4	59425	69504	0.40%	0.254%
114	10.020	1528	1530	1533	rVB3	47859	42962	0.24%	0.157%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

115	10.058	1533	1537	1541	rBV4	44566	60544	0.34%	0.222%
116	10.100	1542	1545	1548	rBV2	36855	30055	0.17%	0.110%
117	10.127	1548	1550	1553	rVB3	30634	31855	0.18%	0.117%
118	10.159	1553	1556	1559	rBV4	35810	44045	0.25%	0.161%
119	10.197	1559	1563	1567	rVB5	72004	81688	0.46%	0.299%
120	10.250	1571	1573	1576	rVB4	25944	21872	0.12%	0.080%
121	10.277	1576	1578	1583	rBV6	13756	16995	0.10%	0.062%
122	10.330	1583	1588	1589	rBV3	32590	41284	0.23%	0.151%
123	10.352	1589	1592	1594	rVV3	25885	24806	0.14%	0.091%
124	10.379	1594	1597	1600	rVV	91753	81892	0.47%	0.300%
125	10.432	1604	1607	1611	rVB2	61499	68165	0.39%	0.249%
126	10.475	1611	1615	1619	rBV	78542	99511	0.57%	0.364%
127	10.534	1623	1626	1628	rBV2	32208	29137	0.17%	0.107%
128	10.582	1631	1635	1641	rVB	217635	239288	1.36%	0.876%
129	10.646	1644	1647	1649	rBV4	35566	40261	0.23%	0.147%
130	10.774	1666	1671	1676	rVB9	45953	84037	0.48%	0.308%
131	10.823	1678	1680	1681	rBV2	13004	10367	0.06%	0.038%
132	10.892	1689	1693	1696	rBV2	59653	66887	0.38%	0.245%
133	10.994	1709	1712	1715	rVB2	76360	67635	0.38%	0.248%
134	11.026	1715	1718	1721	rBV	45102	47660	0.27%	0.174%
135	11.085	1725	1729	1730	rBV4	28915	30093	0.17%	0.110%
136	11.250	1758	1760	1761	rBV2	12192	7606	0.04%	0.028%
137	11.352	1776	1779	1782	rBV5	28051	35675	0.20%	0.131%
138	11.422	1789	1792	1794	rBV4	21632	24028	0.14%	0.088%
139	11.443	1794	1796	1801	rVB3	30245	30564	0.17%	0.112%
140	11.491	1801	1805	1807	rBV3	44192	58042	0.33%	0.212%
141	11.512	1807	1809	1813	rVB3	32383	36677	0.21%	0.134%
142	11.577	1818	1821	1827	rBV8	27145	43114	0.25%	0.158%
143	11.619	1827	1829	1834	rVB6	27323	37926	0.22%	0.139%
144	11.657	1834	1836	1841	rVB6	22015	30867	0.18%	0.113%
145	11.694	1841	1843	1844	rBV2	13483	8889	0.05%	0.033%
146	11.748	1851	1853	1855	rBV2	17443	9940	0.06%	0.036%
147	11.796	1857	1862	1866	rBV	276127	291848	1.66%	1.068%
148	11.823	1866	1867	1874	rVB3	36694	35531	0.20%	0.130%
149	11.882	1874	1878	1881	rBV6	17663	28287	0.16%	0.104%
150	11.908	1881	1883	1889	rVB6	29731	37498	0.21%	0.137%
151	11.951	1889	1891	1892	rBV2	14581	10844	0.06%	0.040%
152	12.309	1956	1958	1961	rBV2	23296	18545	0.11%	0.068%
153	12.678	2025	2027	2030	rBV4	32882	35528	0.20%	0.130%

LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   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\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270
```

154	12.737	2036	2038	2042	rBV5	18549	21991	0.13%	0.080%
155	12.775	2043	2045	2050	rVB3	27339	30743	0.17%	0.113%
156	12.850	2057	2059	2062	rBV3	16732	13055	0.07%	0.048%
157	13.096	2103	2105	2110	rBV5	18388	13821	0.08%	0.051%
158	13.342	2147	2151	2152	rBV4	20452	26983	0.15%	0.099%
159	13.395	2156	2161	2169	rBV	323640	365935	2.08%	1.339%
160	13.524	2183	2185	2187	rBV3	22120	20025	0.11%	0.073%
161	14.203	2310	2312	2316	rVB4	39009	42435	0.24%	0.155%
162	15.893	2626	2628	2632	rBV5	9574	9915	0.06%	0.036%
163	16.423	2725	2727	2728	rBV2	7687	6137	0.03%	0.022%

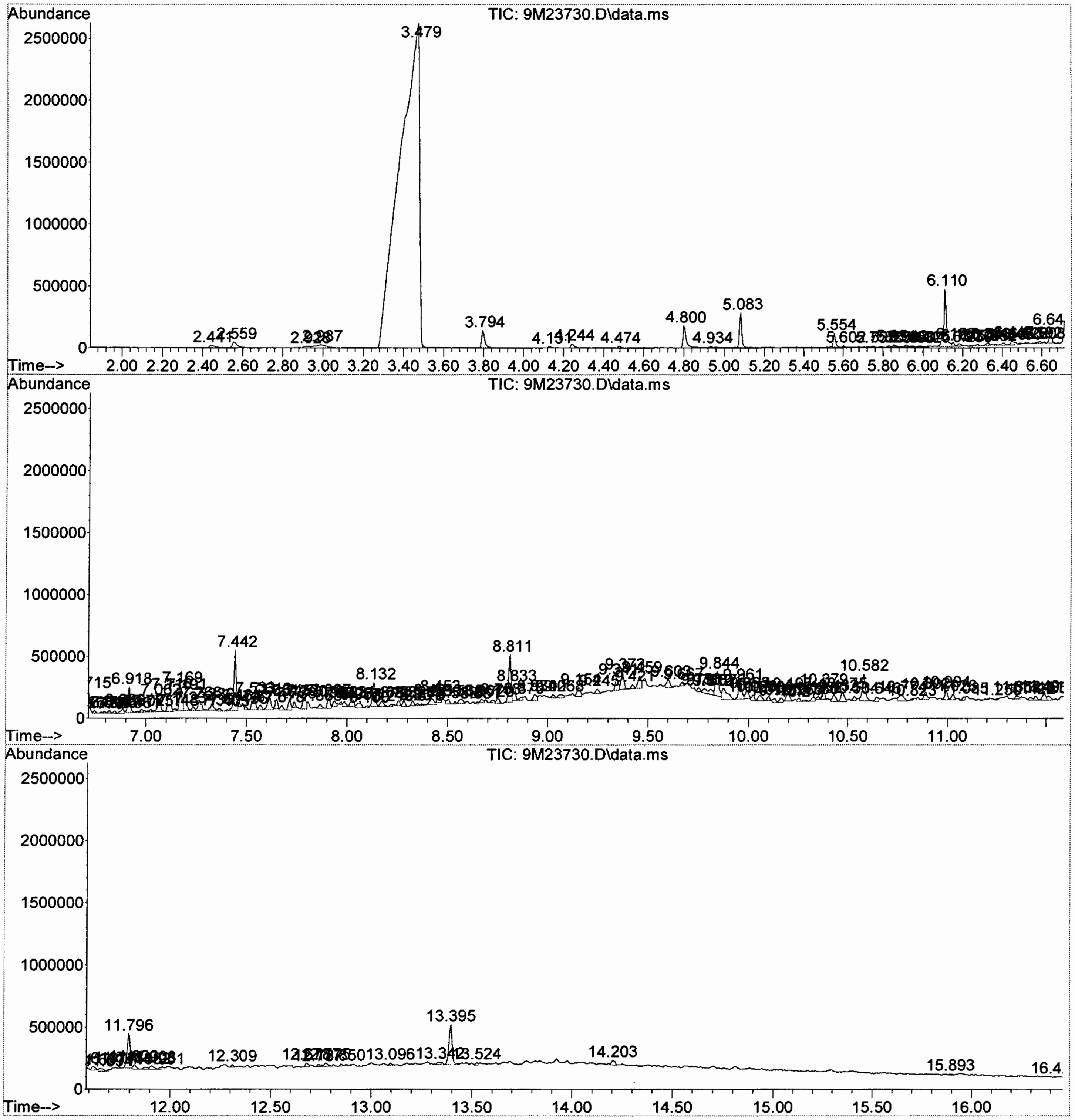
Sum of corrected areas: 27322010

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

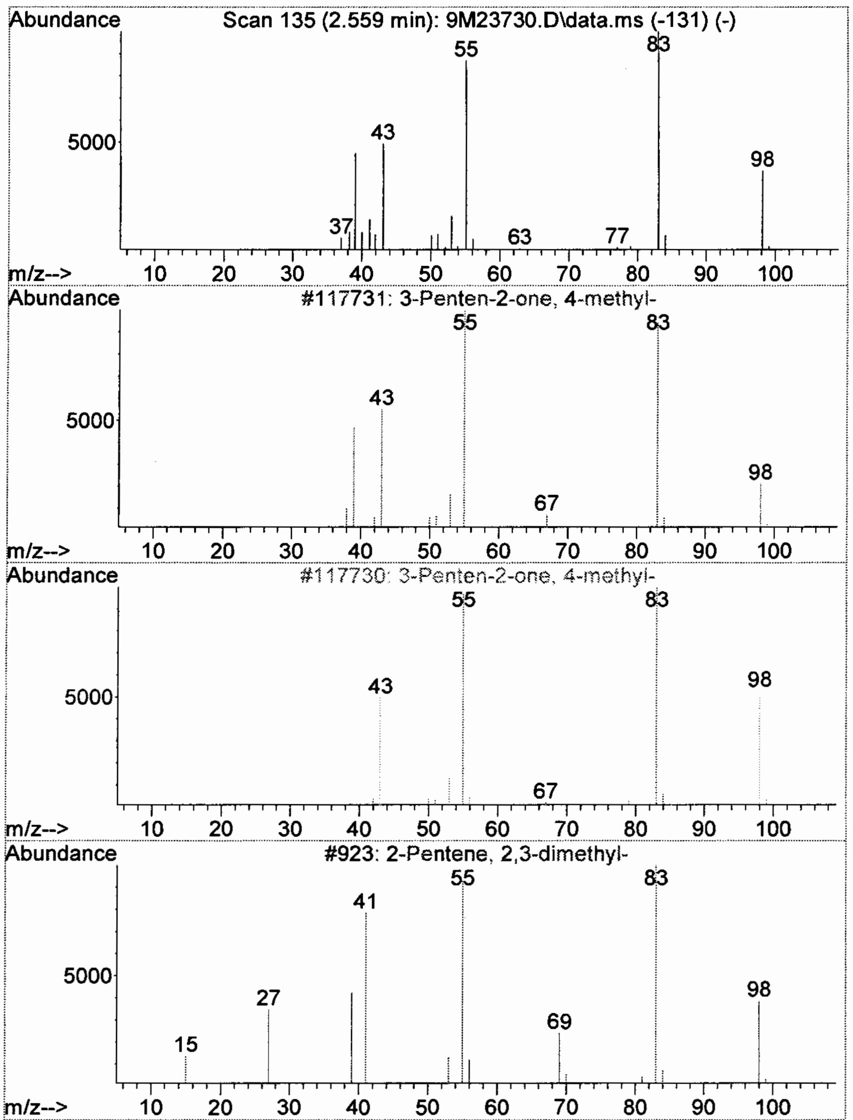
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

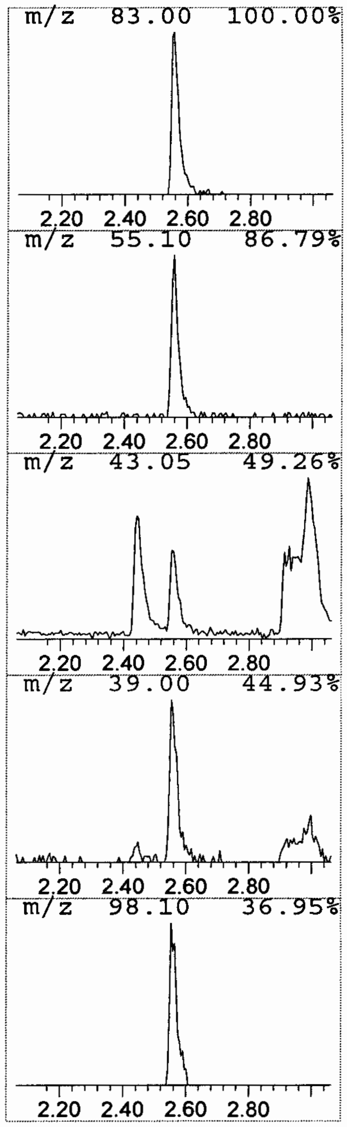
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.56	13.07 ng	71698	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	86
4	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	83
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	59





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

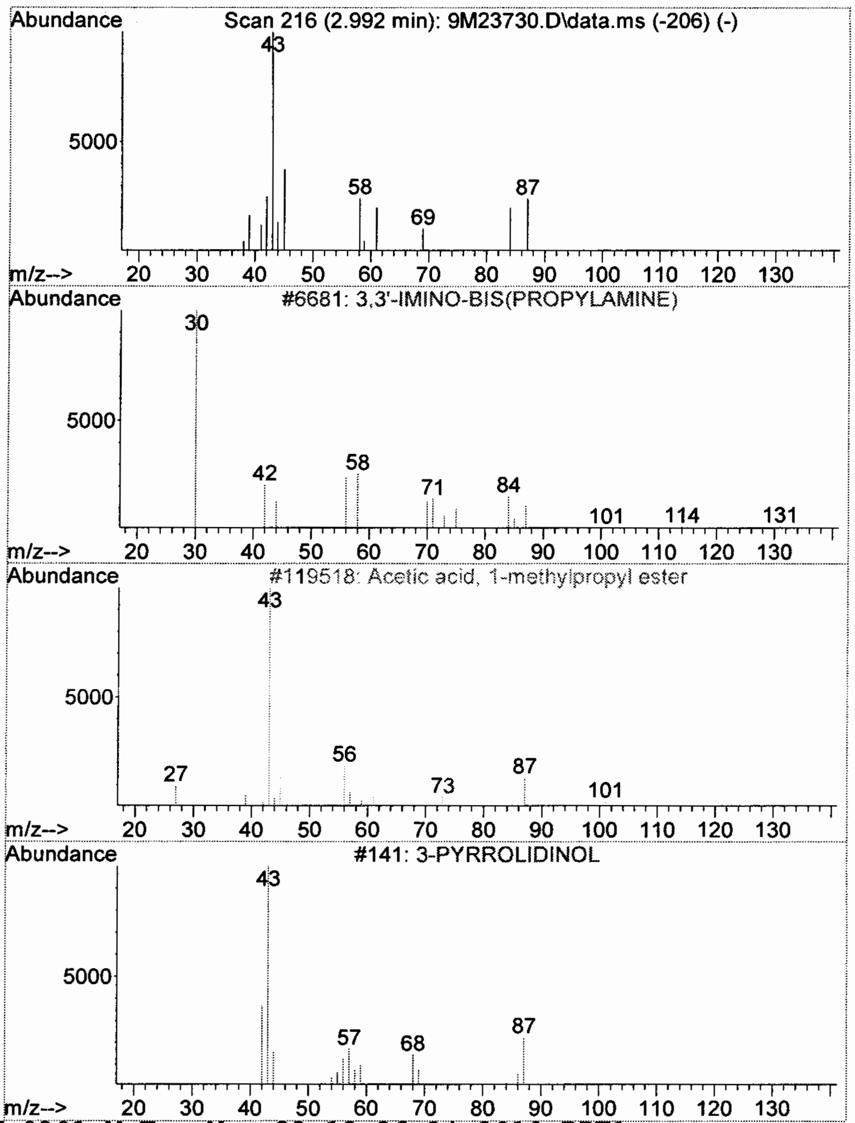
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

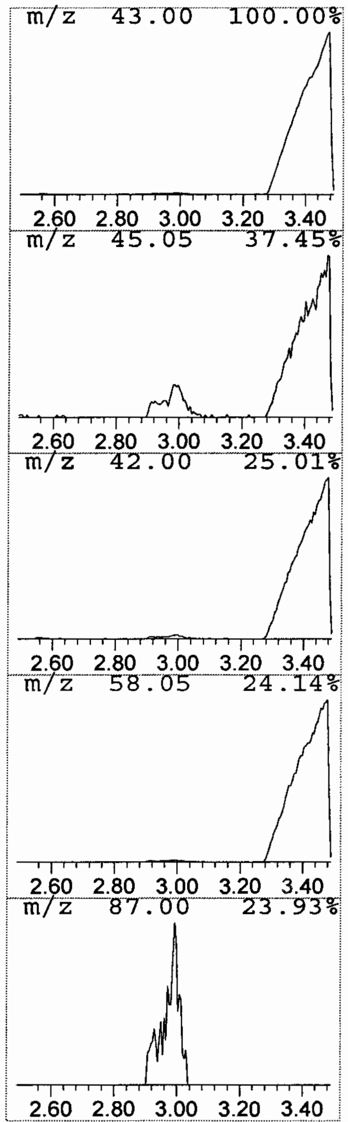
****

Peak Number 2 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	16.70 ng	91598	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-IMINO-BIS(PROPYLAMINE)	131	C6H17N3	000000-00-0	17
2	Acetic acid, 1-methylpropyl ester	116	C6H12O2	000105-46-4	12
3	3-PYRROLIDINOL	87	C4H9NO	040499-83-0	9
4	1-Pentanol, 2-methyl-, acetate	144	C8H16O2	007789-99-3	9
5	POTASSIUM 1,1-DINITROETHANE	158	C2H3KN2O4	000000-00-0	9





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number  3  2-Pentanone, 4-hydroxy-4-me...  Concentration Rank  1

  R.T.   EstConc           Area       Relative to ISTD         R.T.
----------------------------------------------------------------------
  3.48 3202.86 ng        17569864    LibIS-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 45
 2 2-Pentanone, 4-hydroxy-4-methyl-    116  C6H12O2        000123-42-2 45
 3 2-Pentanone, 4-hydroxy-4-methyl-    116  C6H12O2        000123-42-2 45
 4 1-Propanamine                        59  C3H9N          000107-10-8 40
 5 2-Pentanone, 4-hydroxy-4-methyl-    116  C6H12O2        000123-42-2 38
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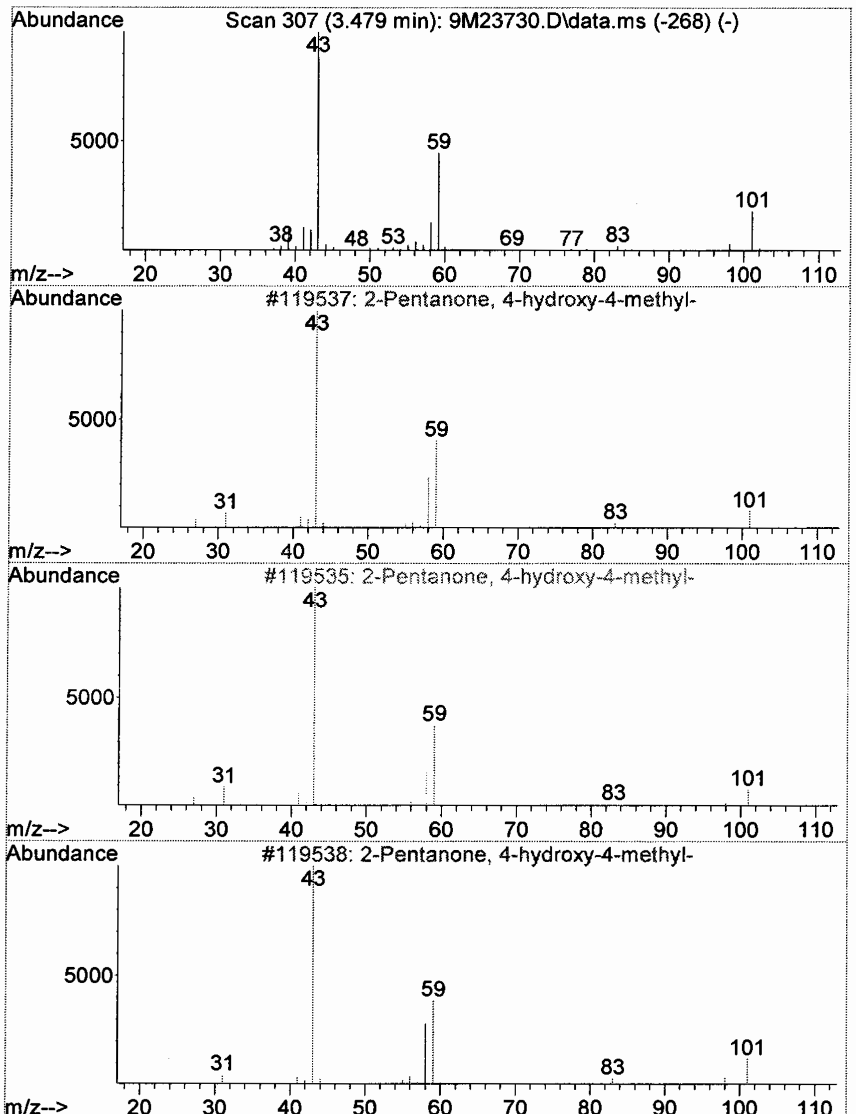

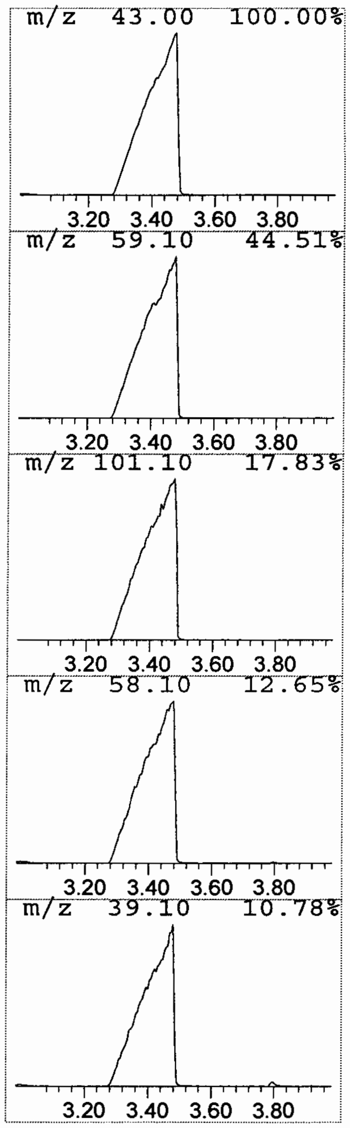

Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

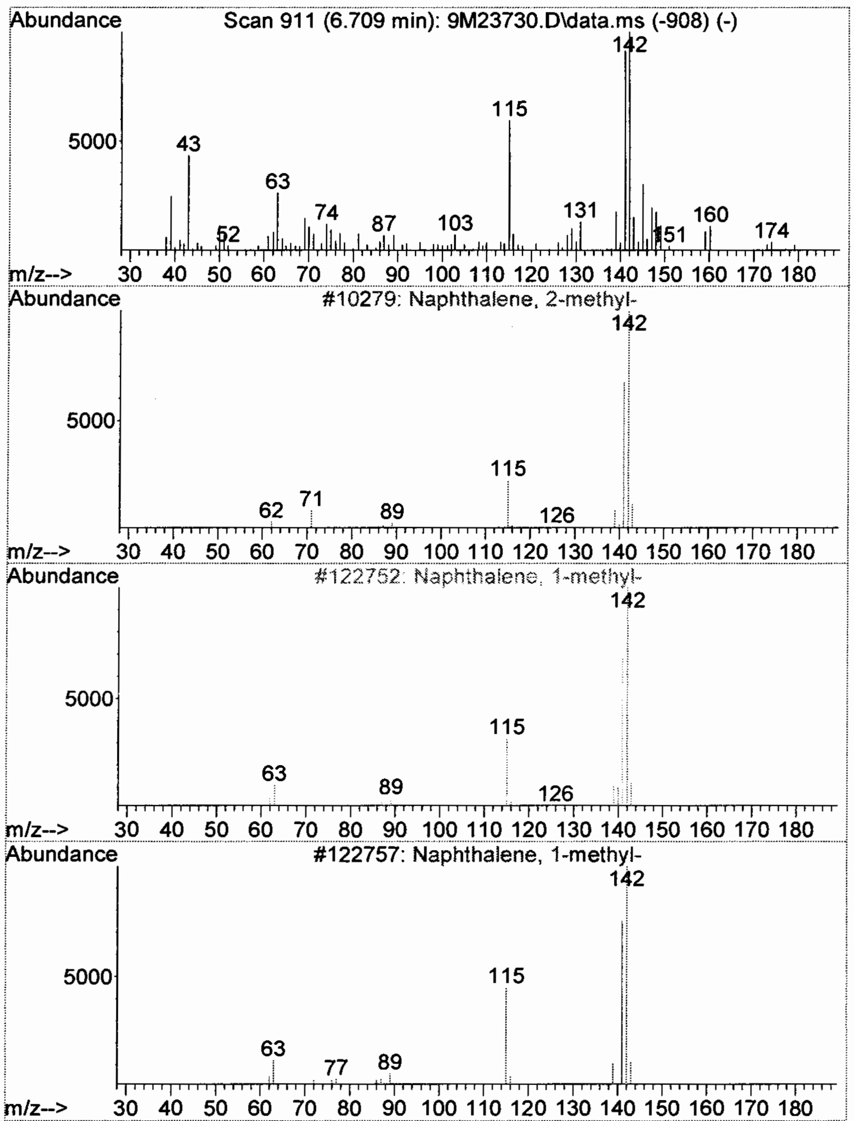
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

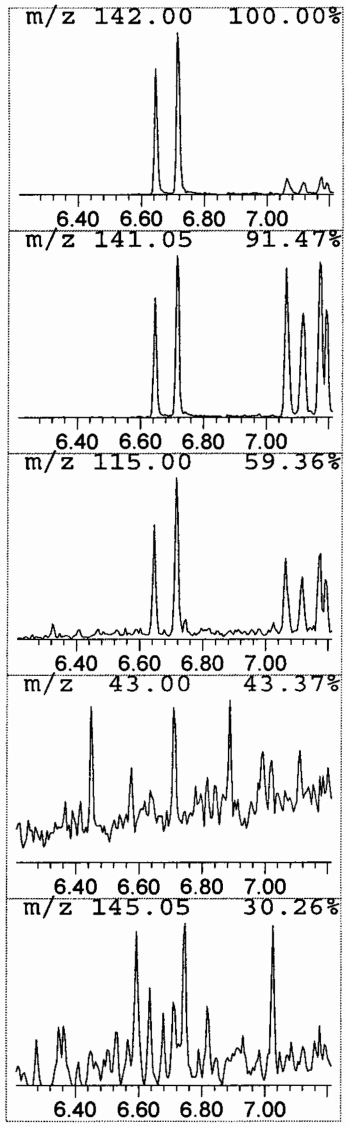
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	18.40 ng	143283	LibIS-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	93
4	7H-BENZOCYCLOHEPTENE	142	C11H10	000000-00-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	12.88 ng	110808	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
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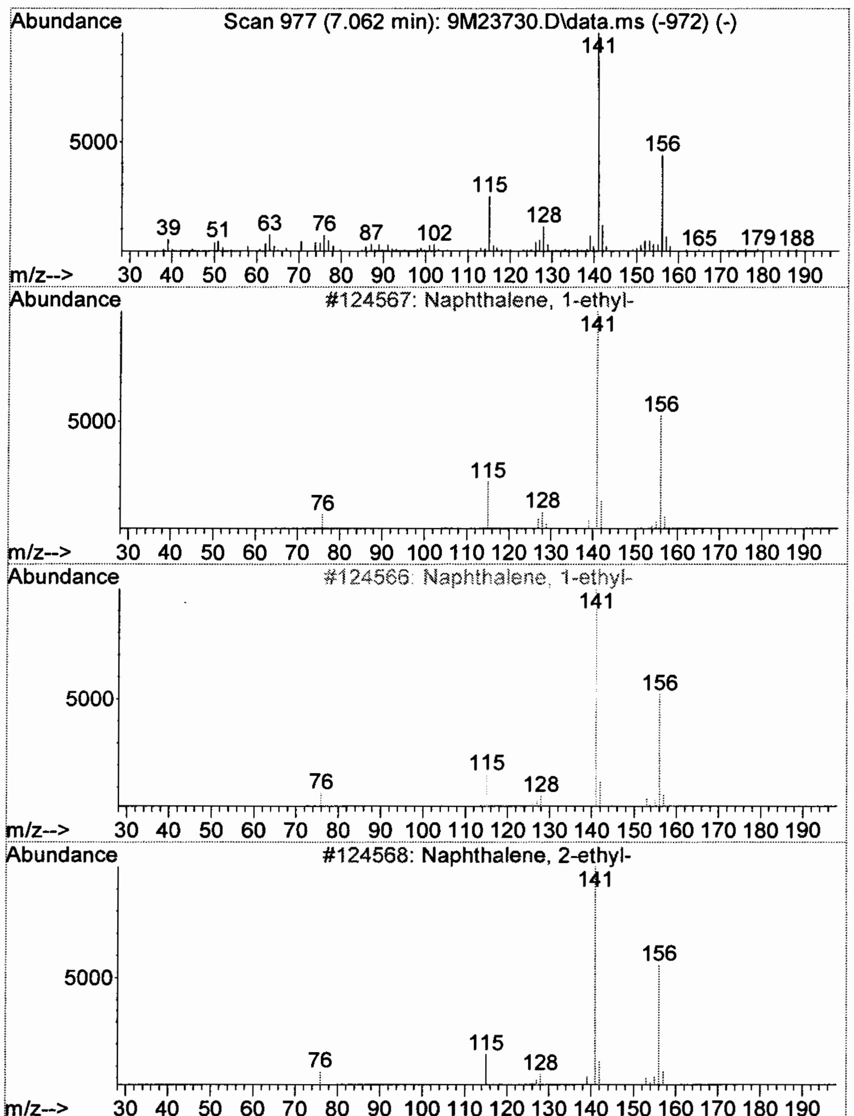

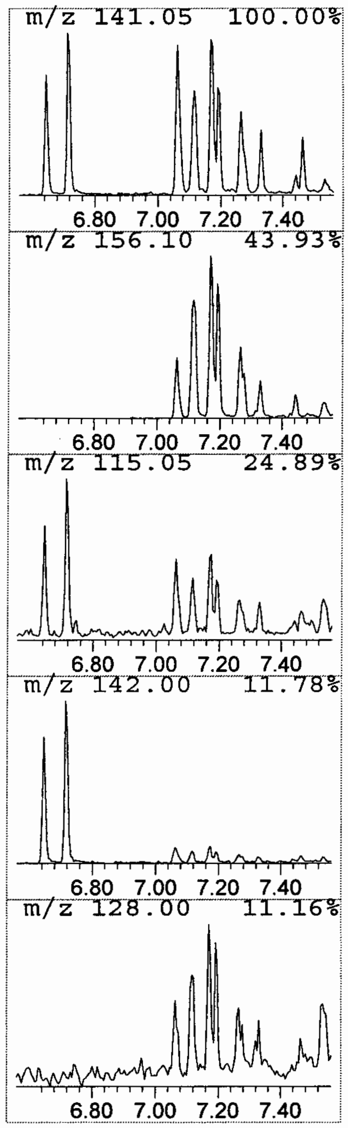

Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

**********************************************************************
Peak Number  6  Naphthalene, 2,6-dimethyl-      Concentration Rank  5
```
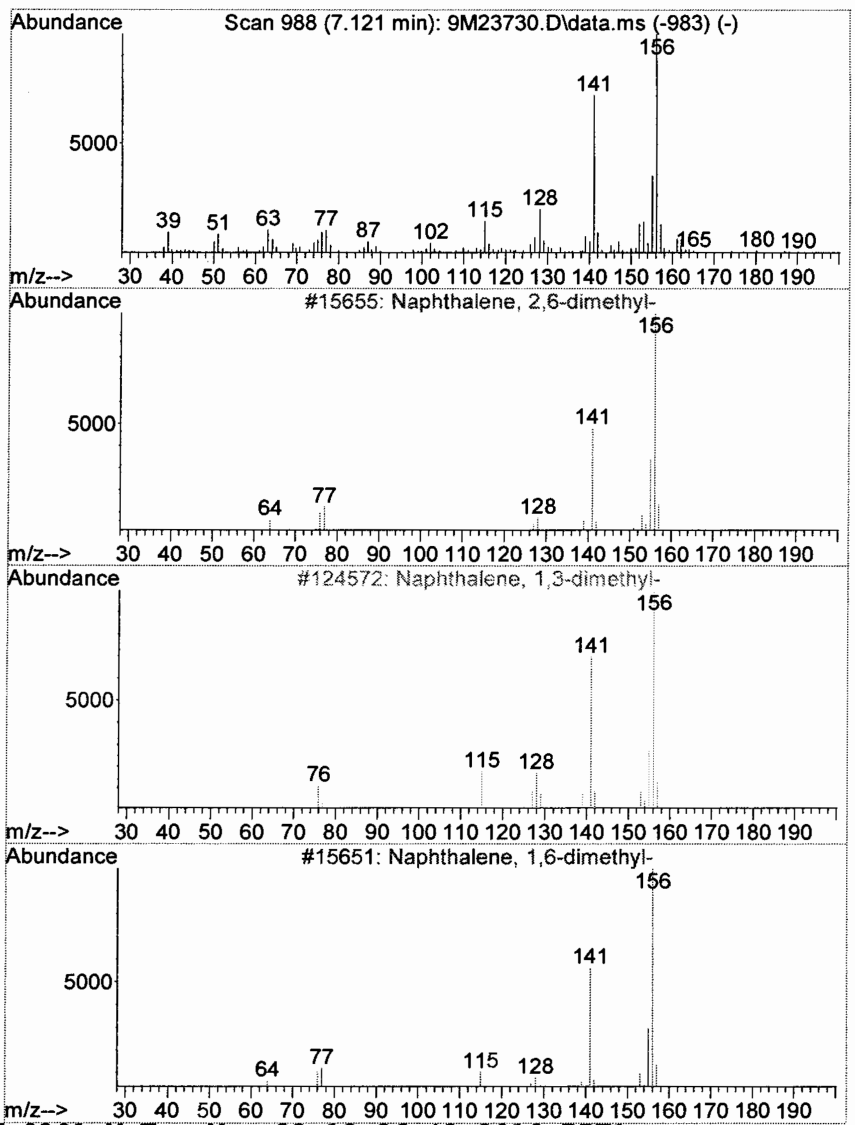
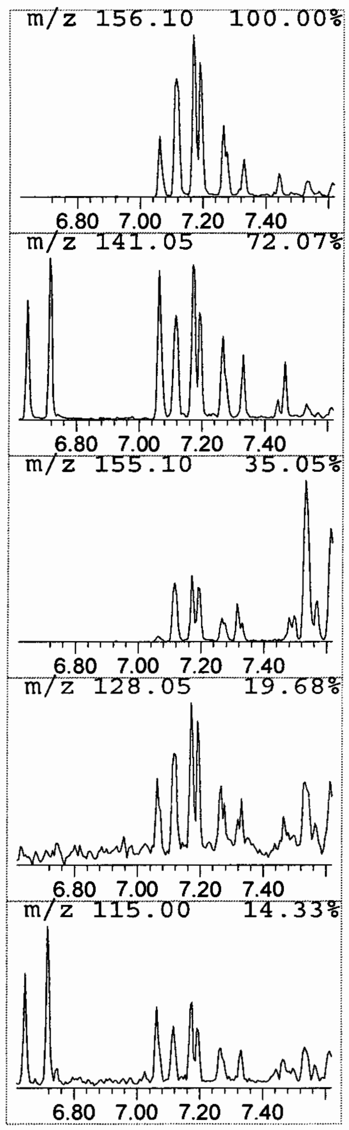

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	18.99 ng	163345	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

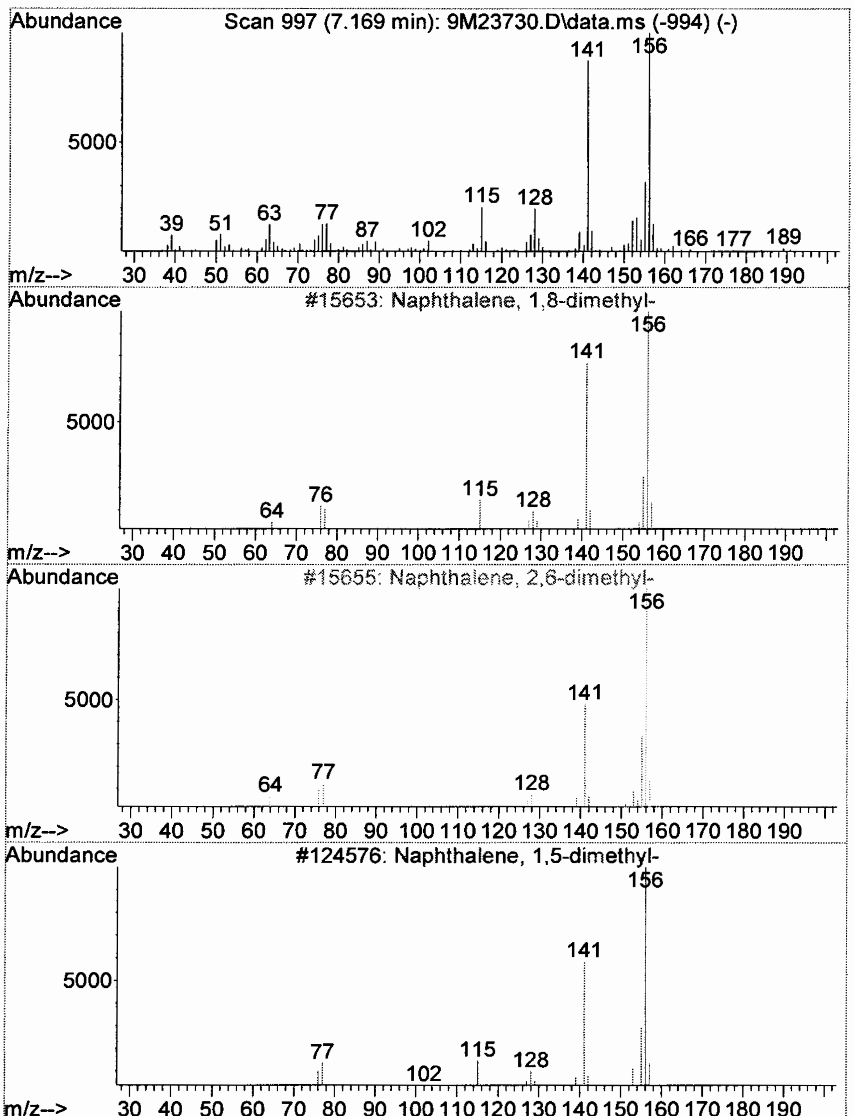
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

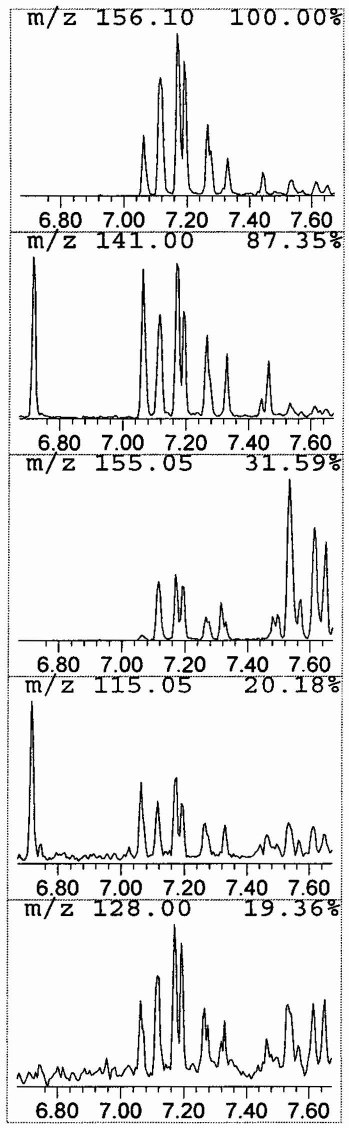
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number  7  Naphthalene, 1,8-dimethyl-     Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	21.91 ng	188410	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

*********************************************************************
Peak Number  8  Naphthalene, 2,7-dimethyl-     Concentration Rank 12
```
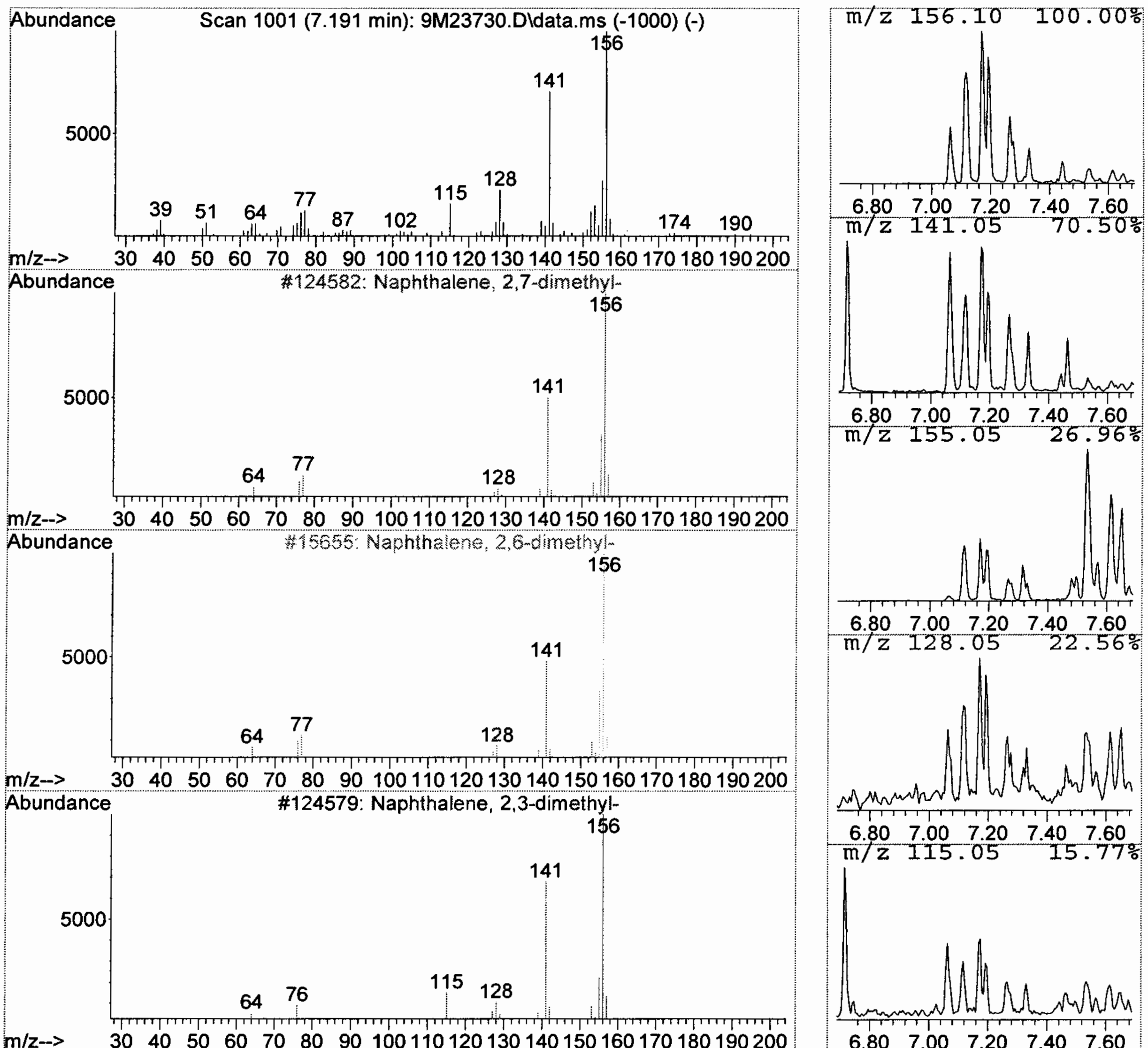

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	14.59 ng	125476	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4	DIMETHYL-NAPHTHALENE	156	C12H12	000000-00-0	91
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

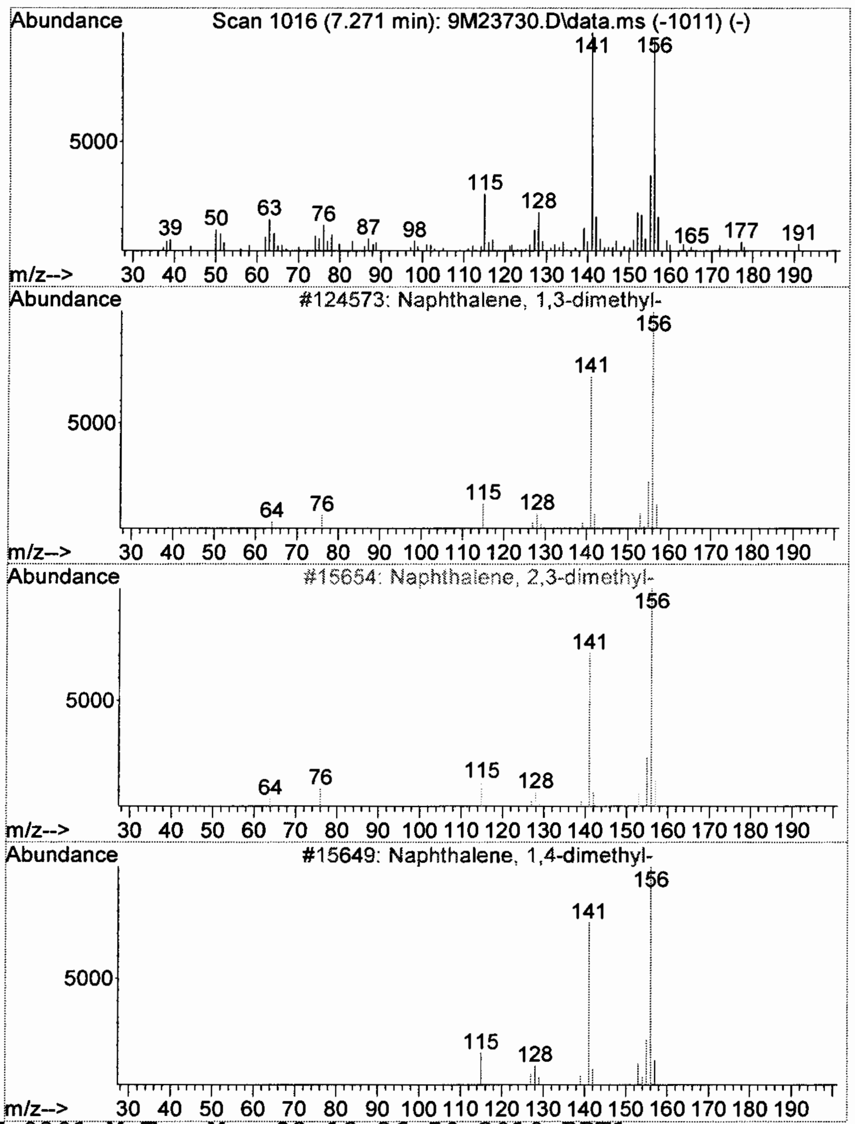
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

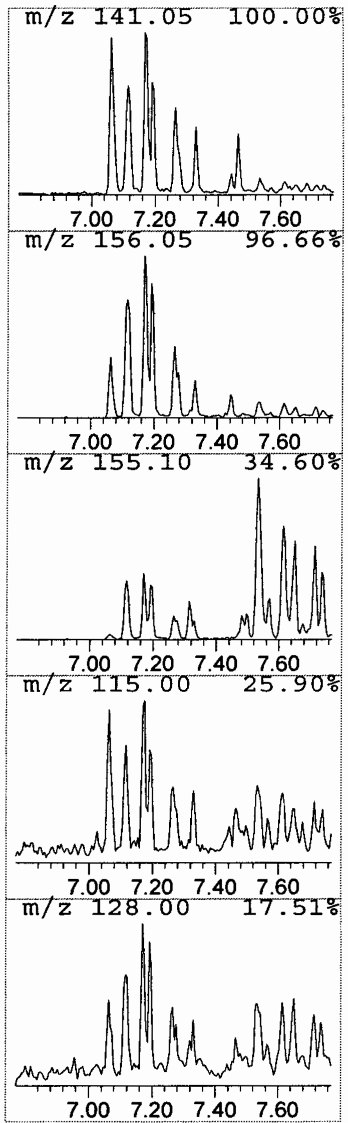
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	10.74 ng	92339	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

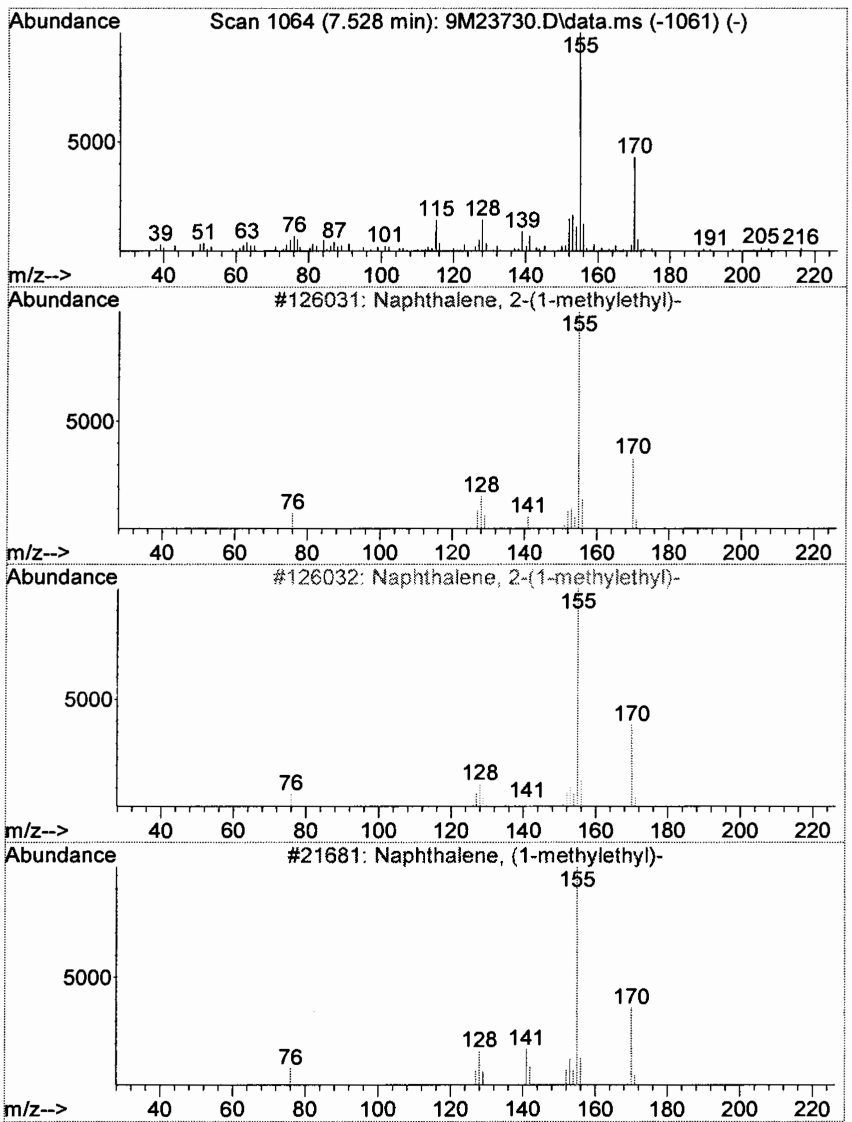
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

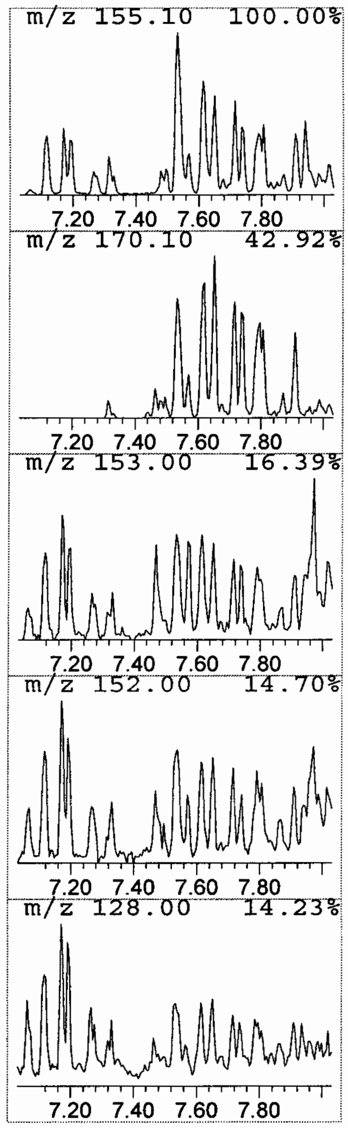
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number 10  Naphthalene, 2-(1-methyleth...  Concentration Rank  9
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	16.06 ng	138126	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, (1-methylethyl)-	170	C13H14	029253-36-9	91
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

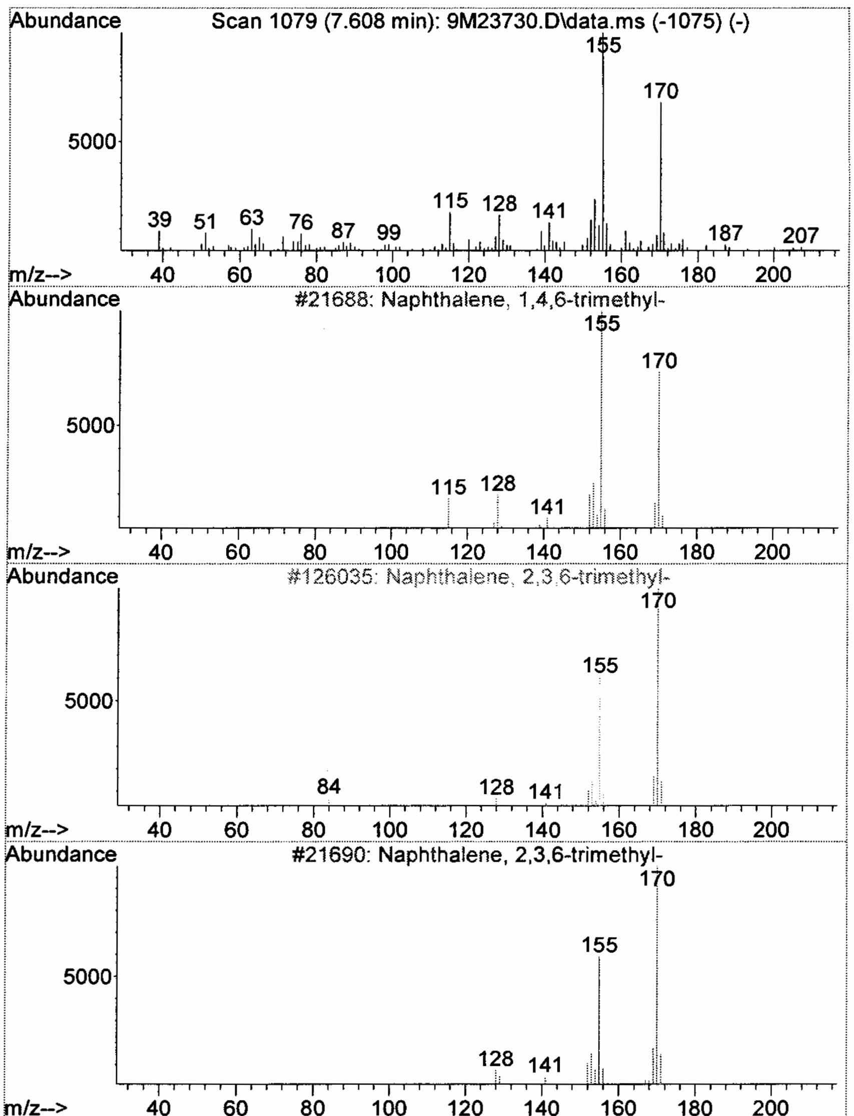
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

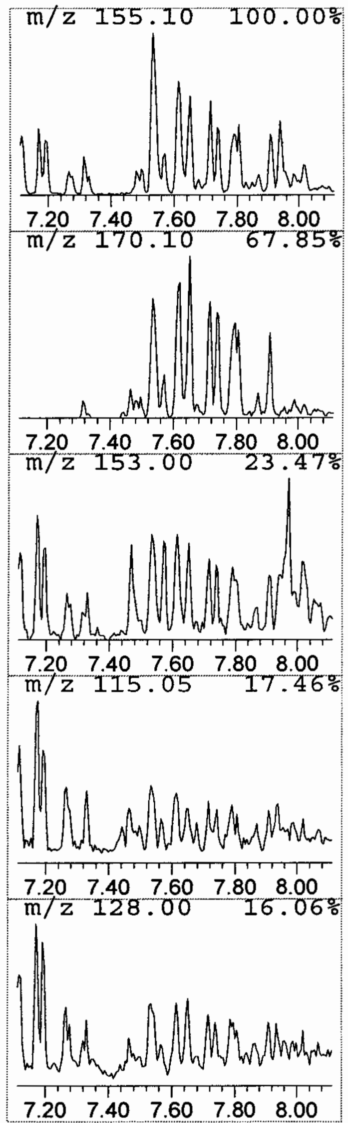
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	14.69 ng	126372	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On    : 12 Mar 2010  20:36
Operator  : AHD
Sample    : AC50199-007(2X)
Misc      : S,BNA:2
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

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

*********************************************************************
Peak Number 12  Naphthalene, 1,4,6-trimethyl-   Concentration Rank 21
```
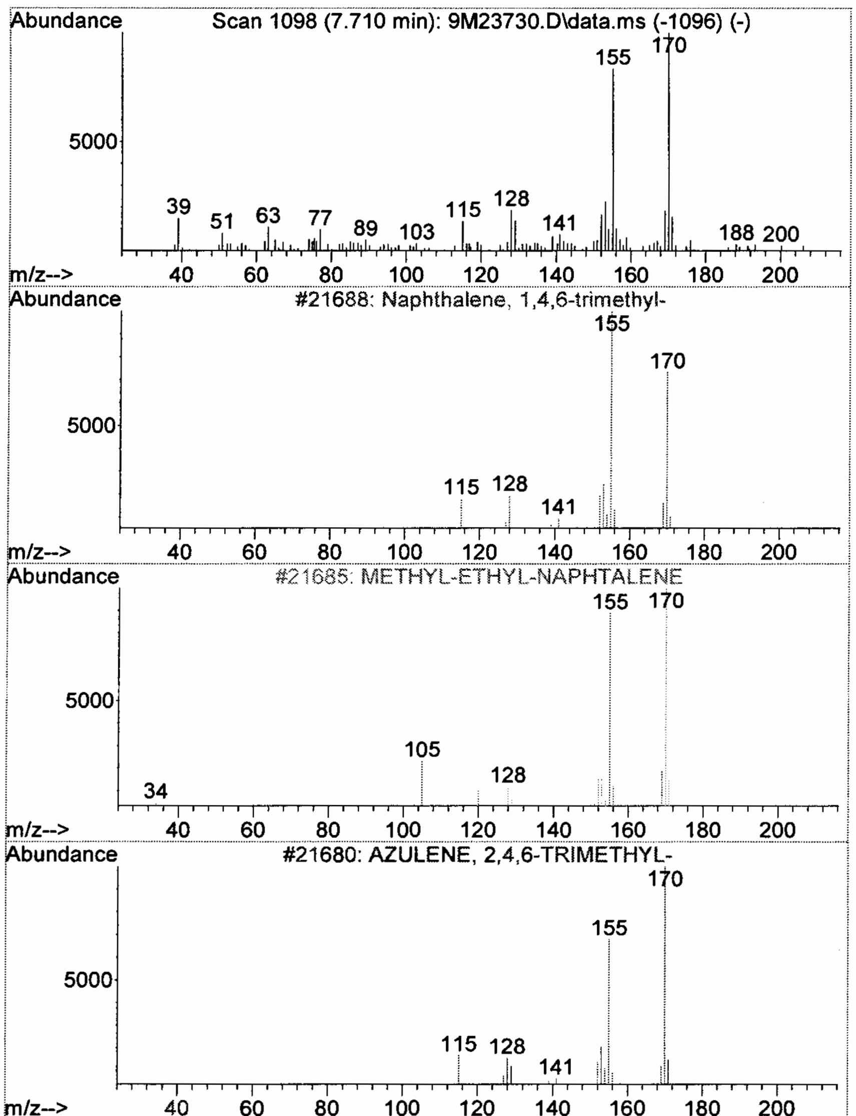
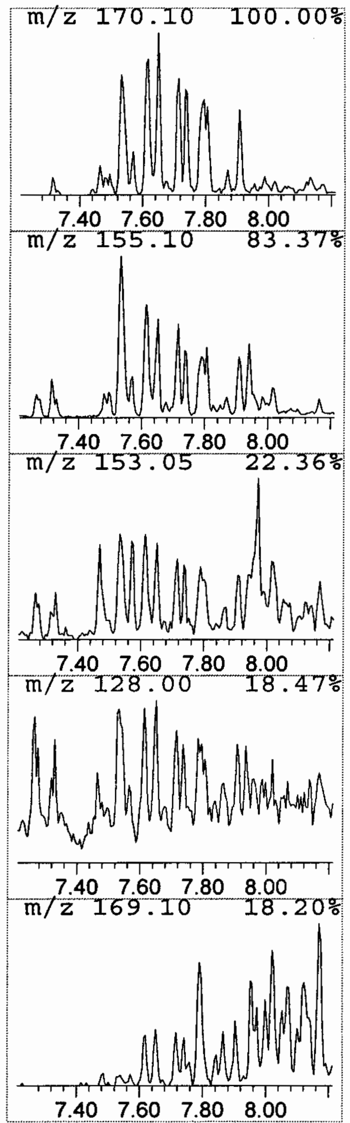

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	9.41 ng	80915	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	91
3	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	89
4	9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	87
5	3-Ethyl-1-methylnaphthalene	170	C13H14	017179-41-8	76





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Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

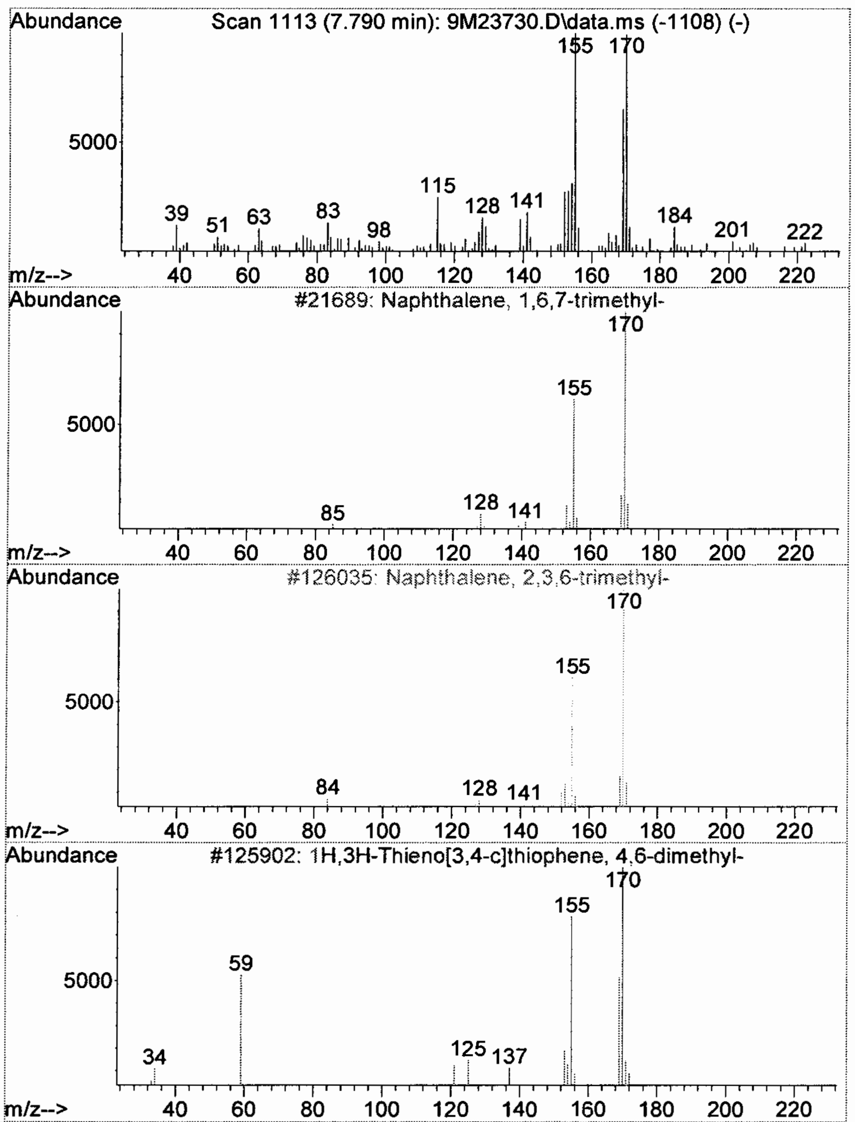
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

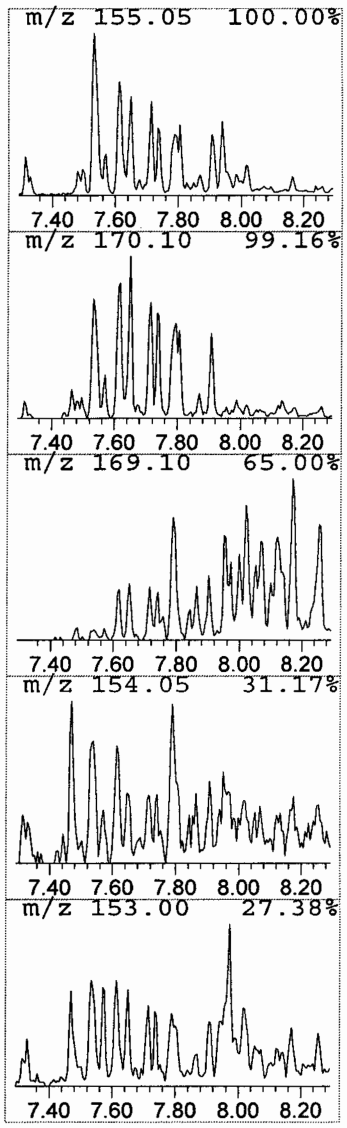
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	11.63 ng	100033	LibIS-Acenaphthene-d10	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76
3	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	72
4	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	72
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70





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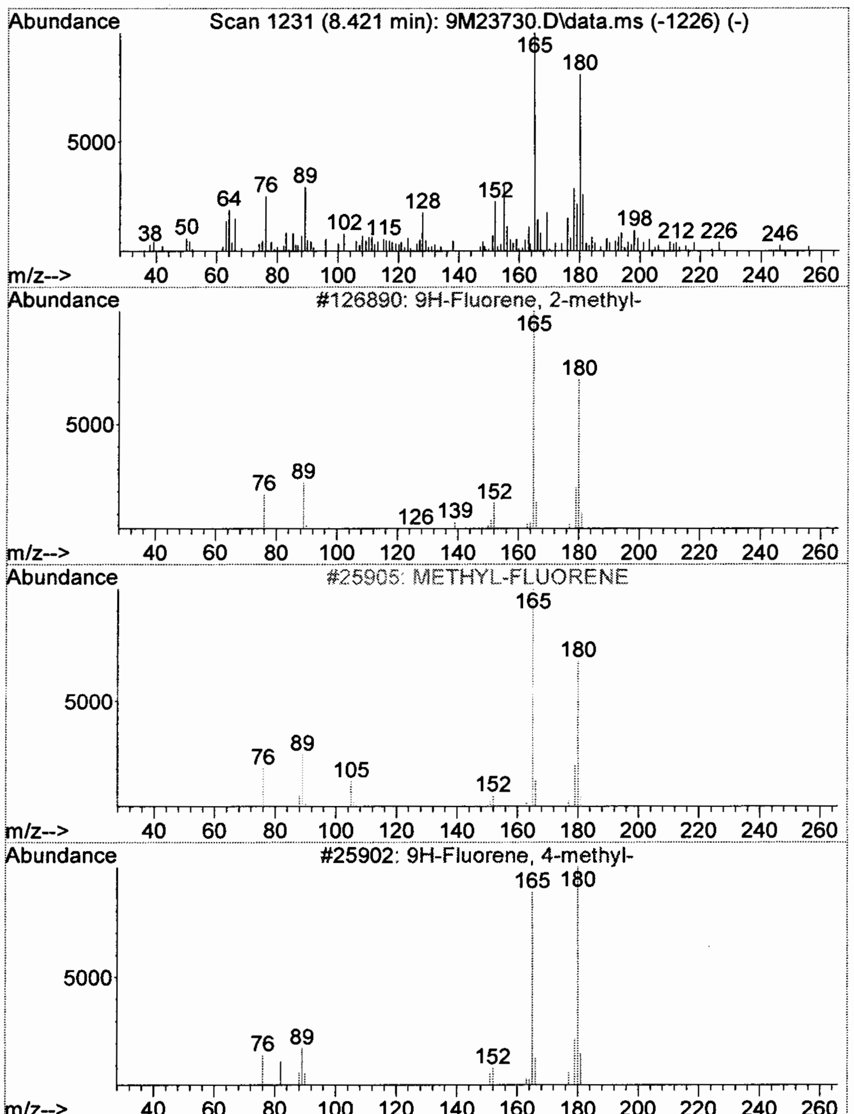
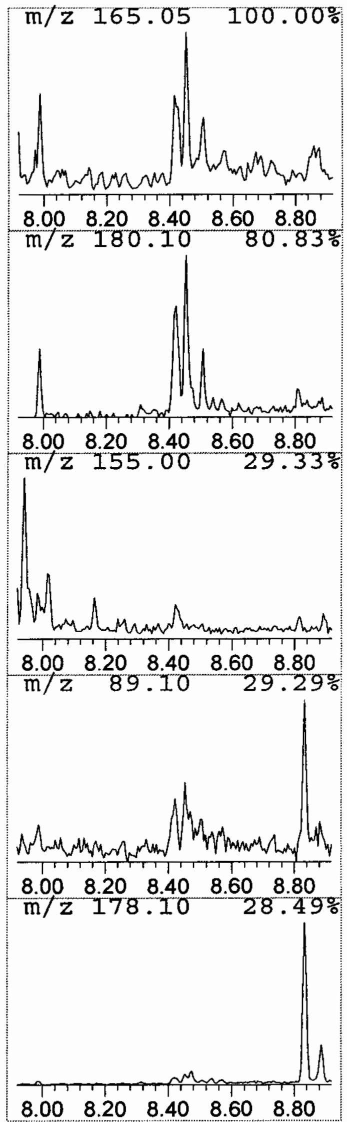
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9H-Fluorene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	8.90 ng	78265	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2	METHYL-FLUORENE	180	C14H12	000000-00-0	64
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	62
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62





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ALS Vial : 24 Sample Multiplier: 1

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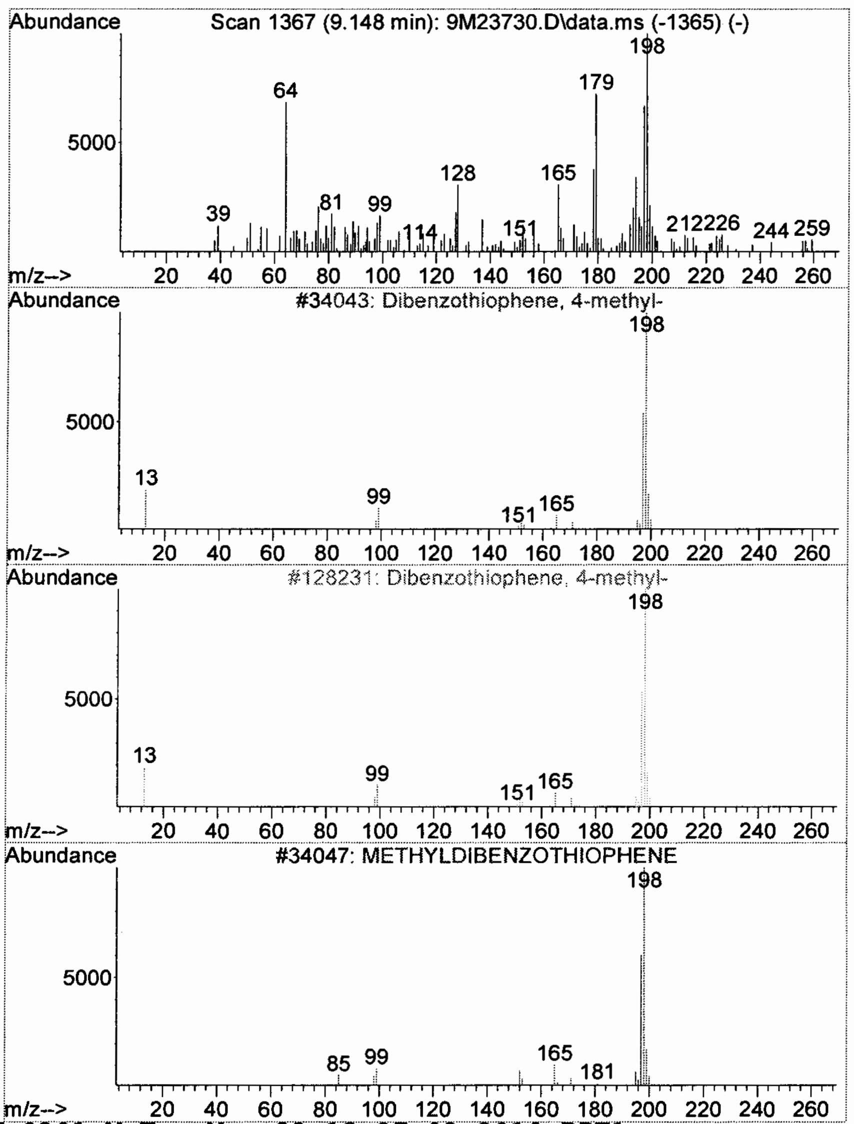
Quant Title : @GCMS_9,mg,625,8270

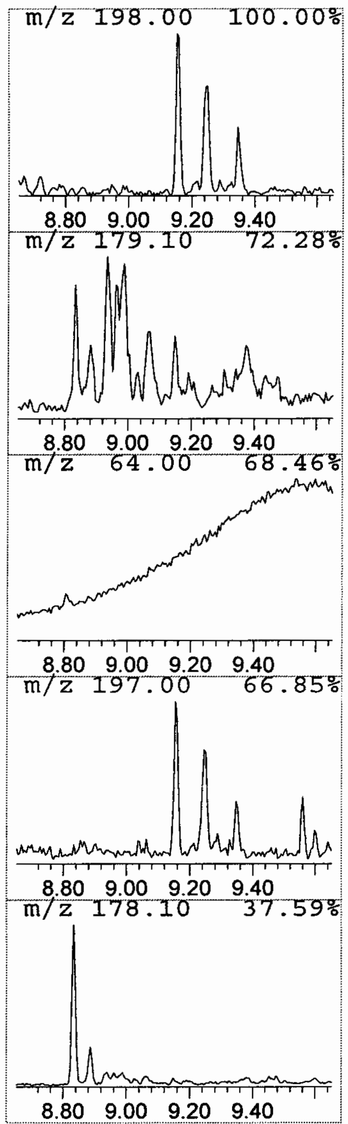
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Dibenzothiophene, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	9.16 ng	80513	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
3	METHYLDIBENZOTHIOPHENE	198	C13H10S	030995-64-3	70
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	62
5	2-Methylnaphtho[2,1-b]thiophene	198	C13H10S	016587-35-2	59





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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	11.74 ng	103219	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
4	10-Methylbenz[a]azulene	192	C15H12	078926-60-0	64
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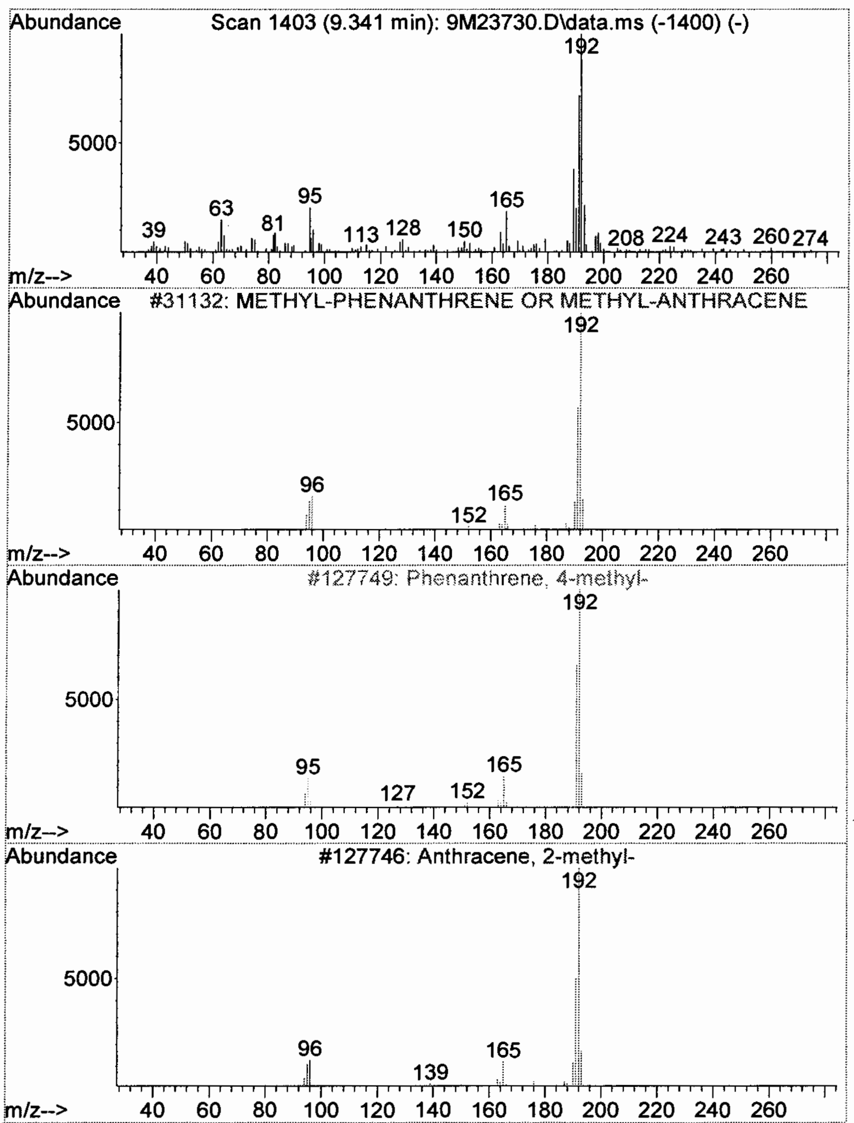

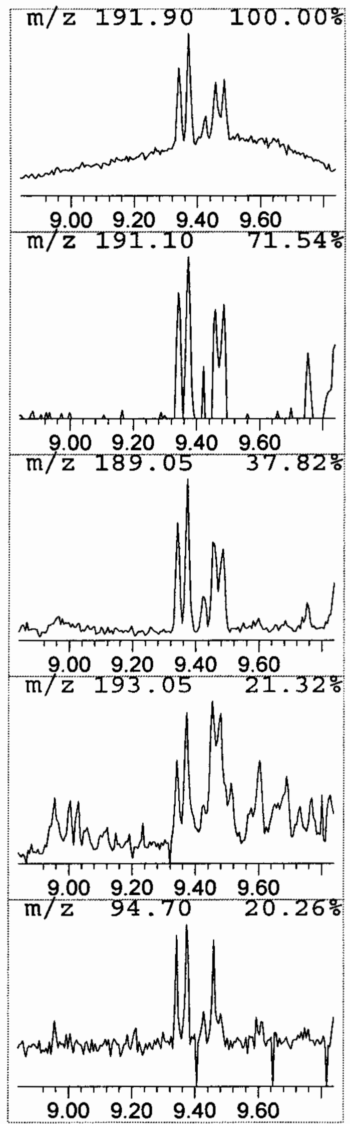

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Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

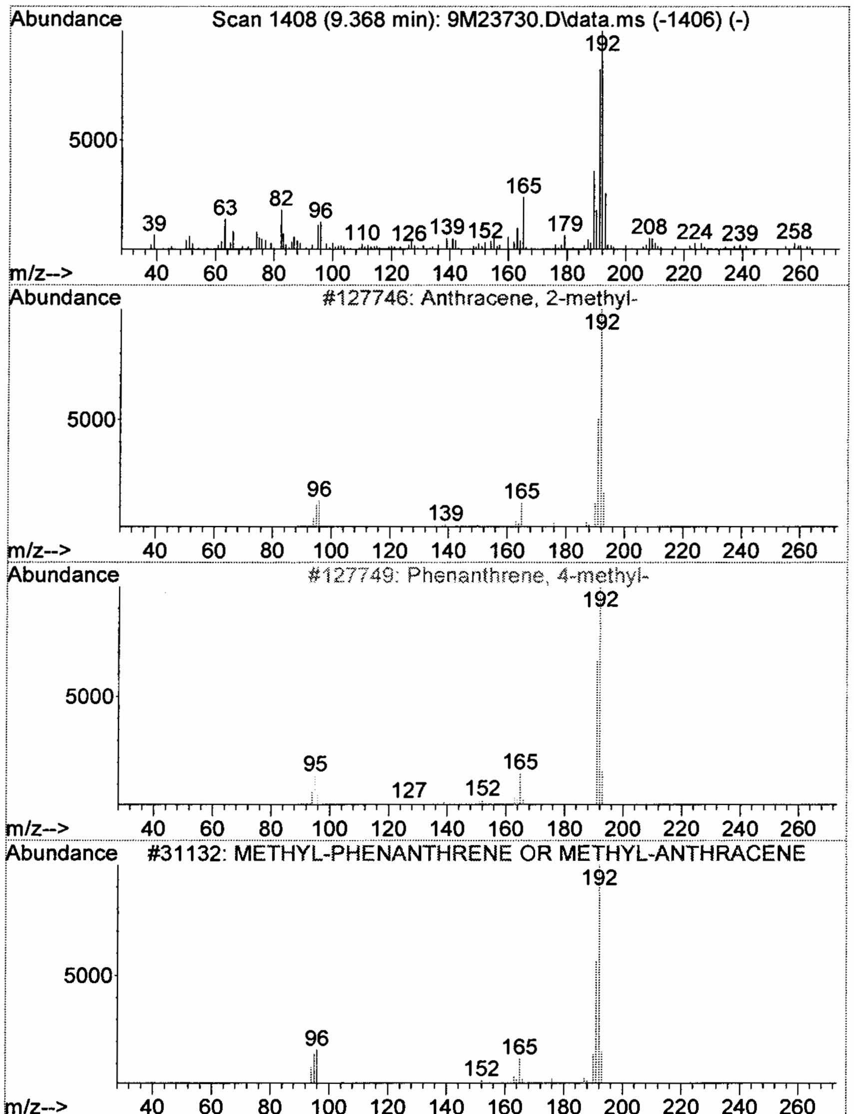
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

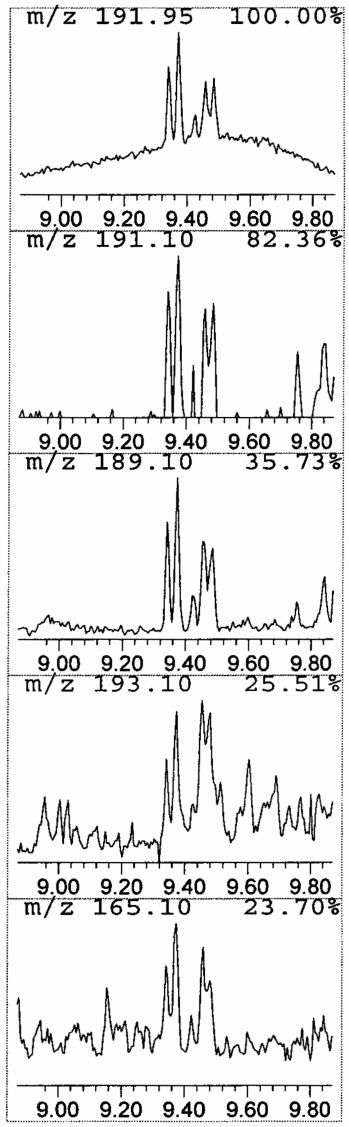
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	14.99 ng	131788	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	87
4	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	78
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76





Library Search Compound Report

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ALS Vial  : 24   Sample Multiplier: 1

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TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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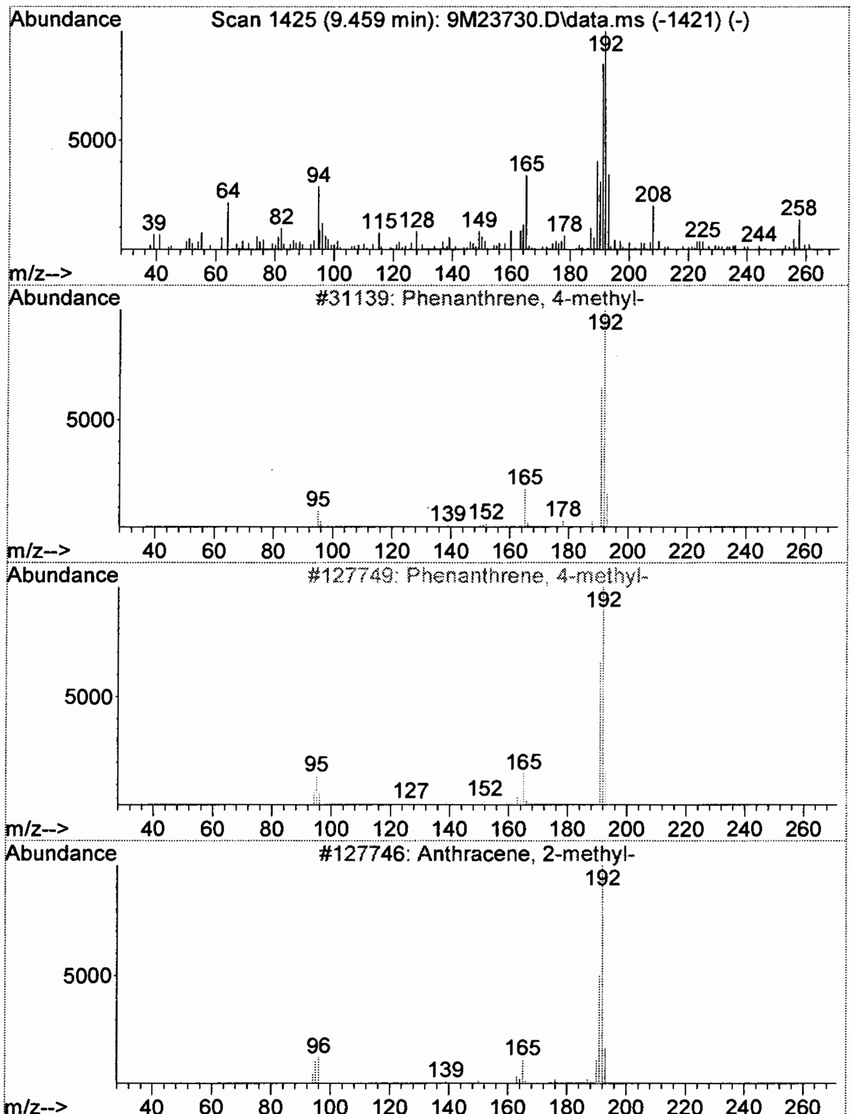
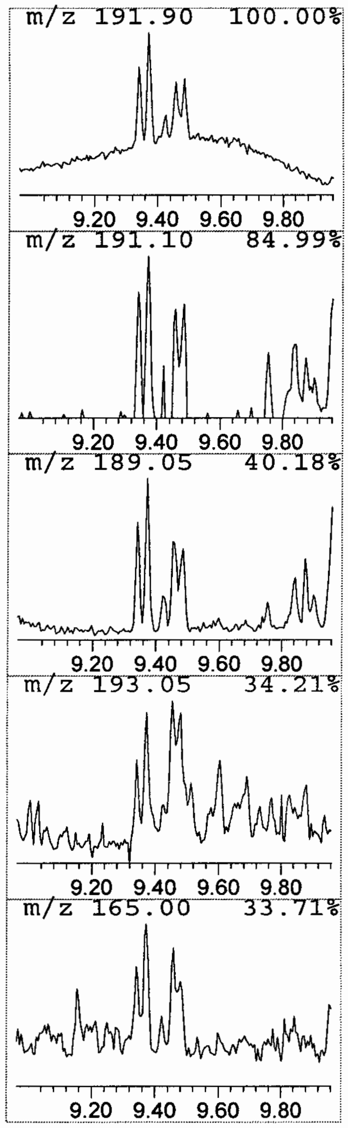
Peak Number 18 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	13.84 ng	121658	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	47
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	45
4	Dihydro-1H-trindenes	192	C15H12	073255-13-7	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41





Library Search Compound Report

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Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

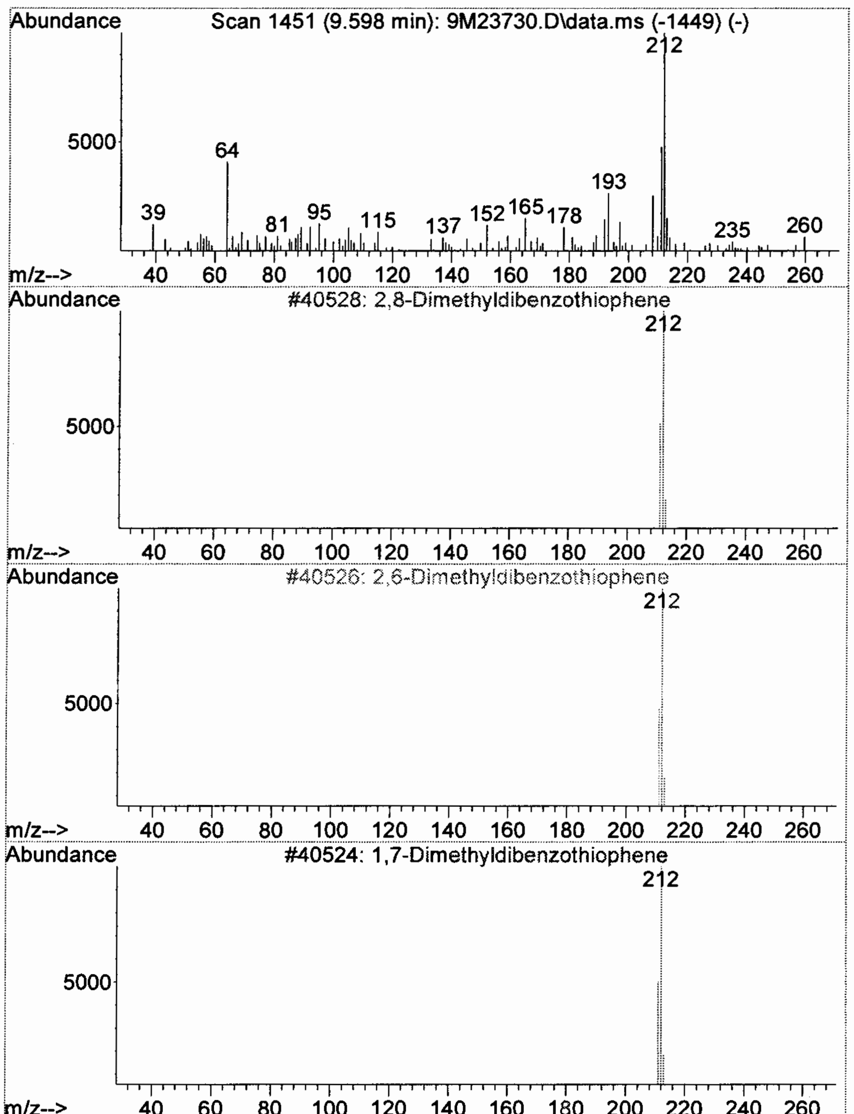
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

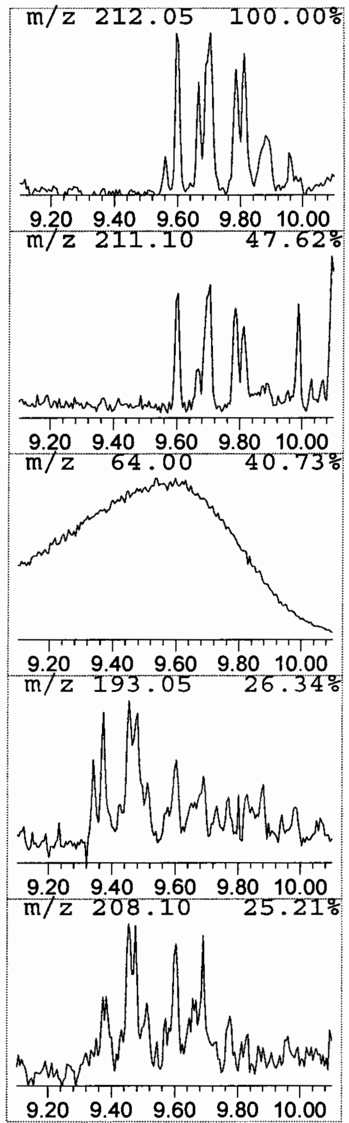
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2,8-Dimethyldibenzothiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	8.32 ng	73128	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzothiophene	212	C14H12S	001207-15-4	78
2	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	78
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	78
4	1,6-Dimethyldibenzothiophene	212	C14H12S	089816-70-6	78
5	4,6-Dimethyldibenzothiophene	212	C14H12S	001207-12-1	78





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Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

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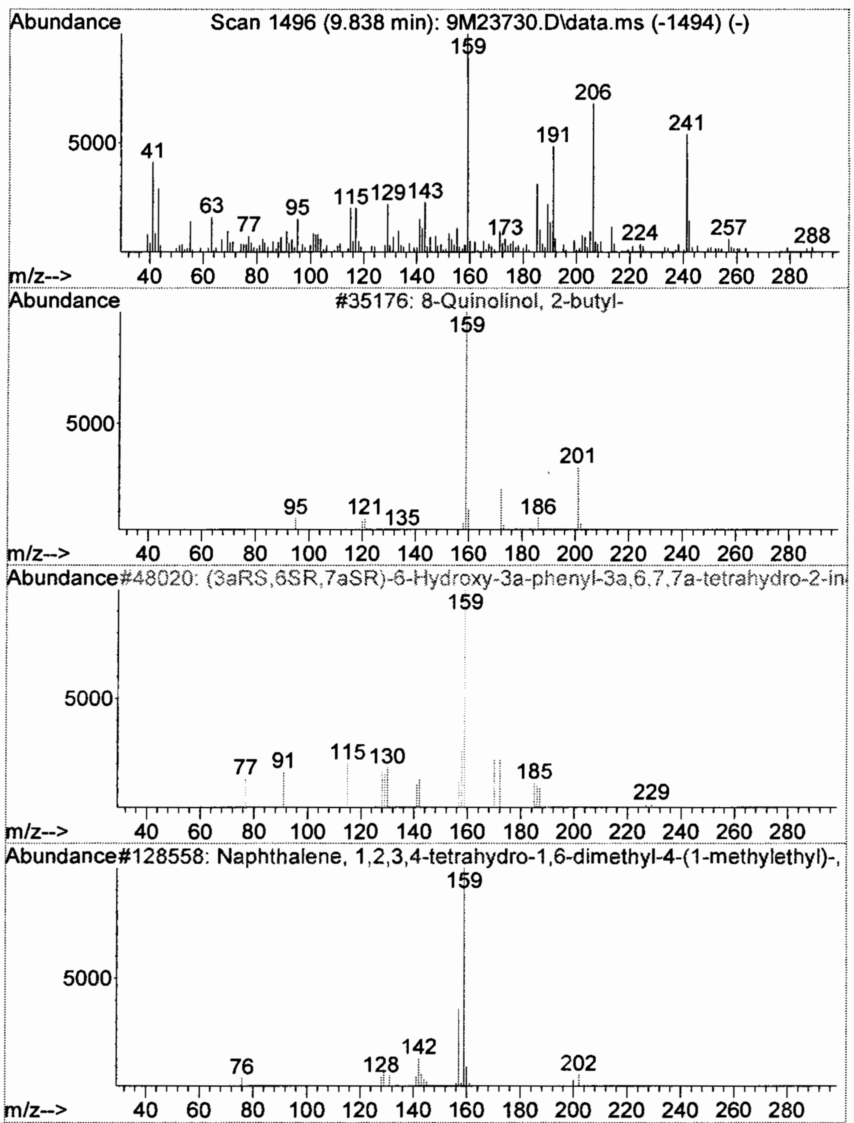
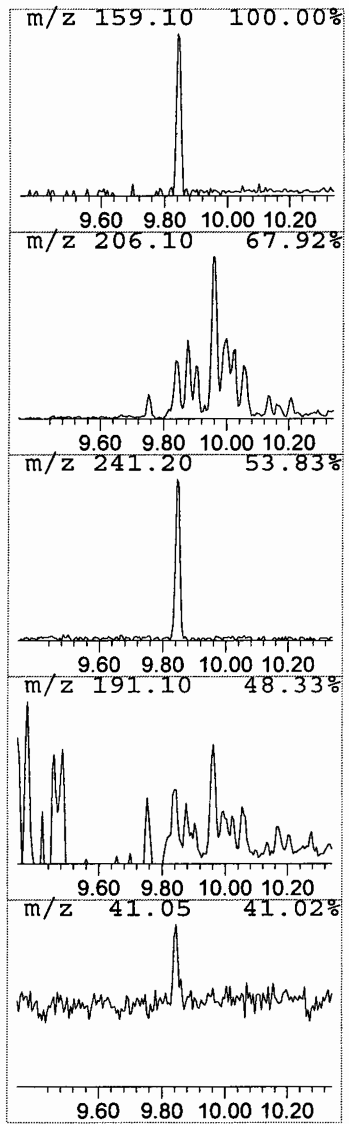
Peak Number 20 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	24.07 ng	211534	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Quinolinol, 2-butyl-	201	C13H15NO	029210-65-9	14
2	(3aRS,6SR,7aSR)-6-Hydroxy-3a-phe...	229	C14H15NO2	086983-23-5	12
3	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	12
4	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	11
5	Oxazole, 5-methyl-2-phenyl-	159	C10H9NO	005221-67-0	10





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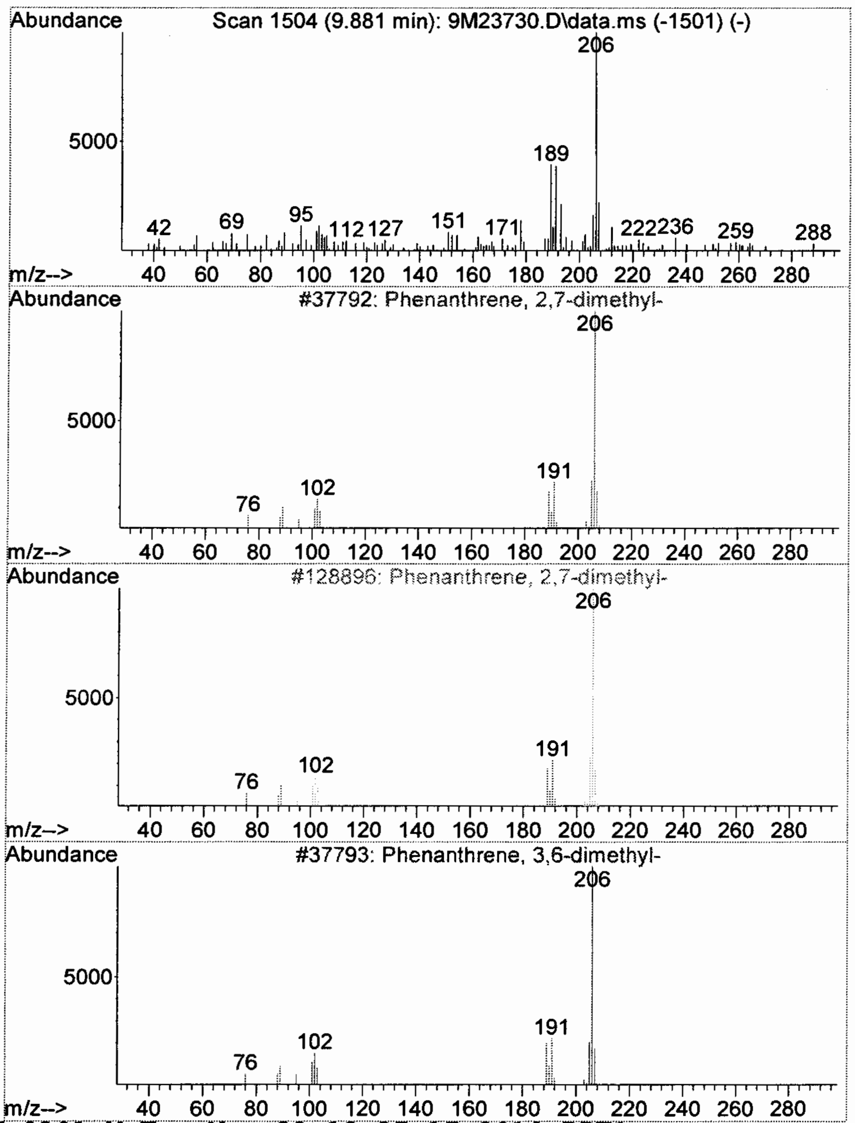
Quant Title : @GCMS_9,mg,625,8270

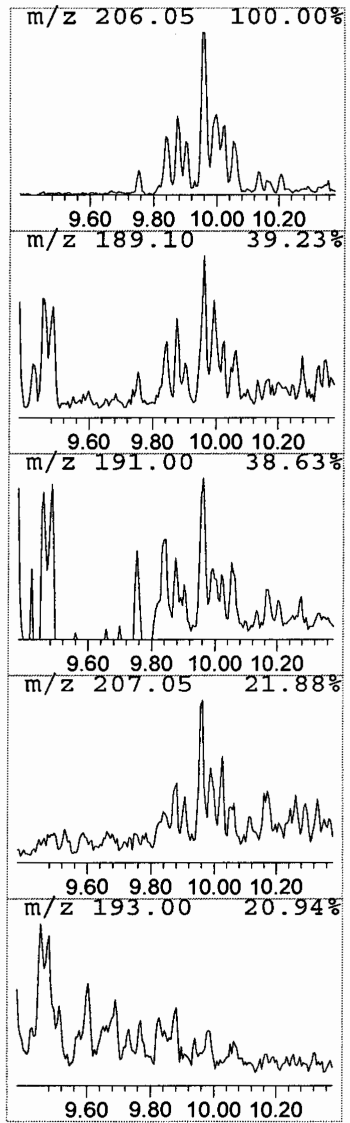
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Phenanthrene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	19.06 ng	167512	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
4	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	70
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

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

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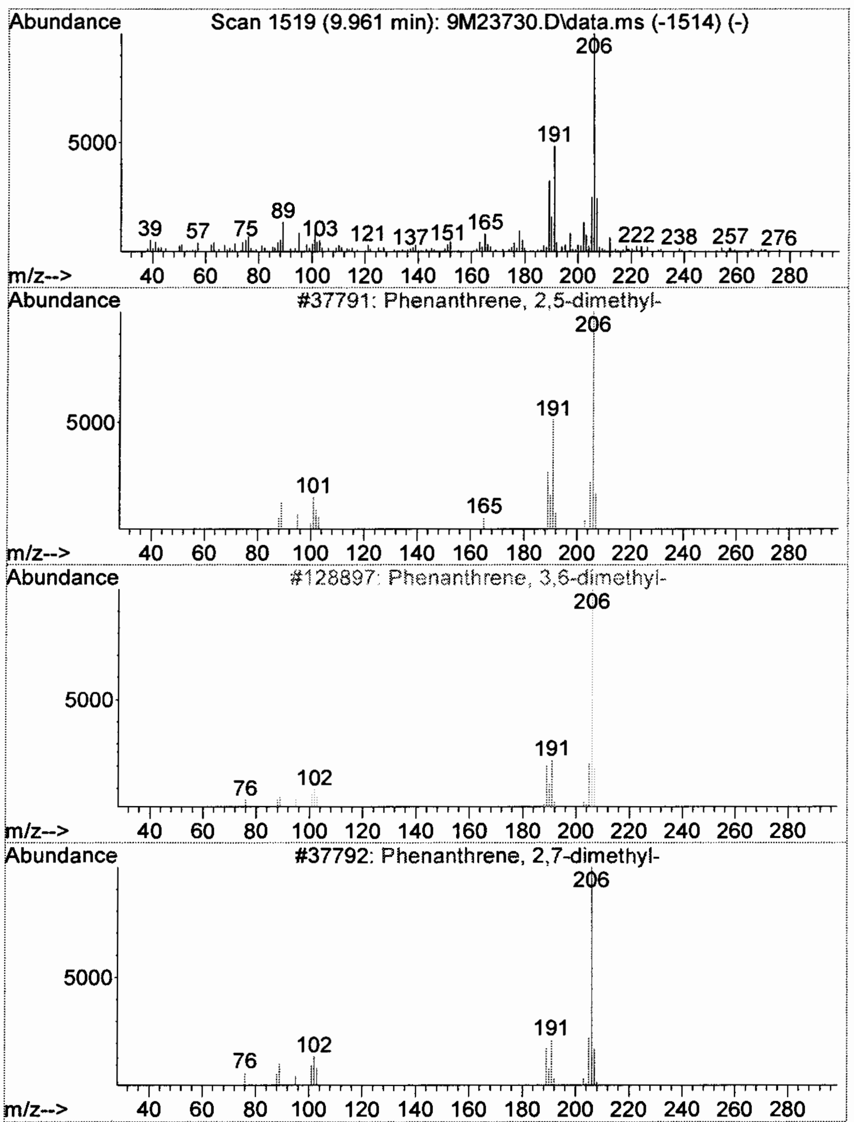
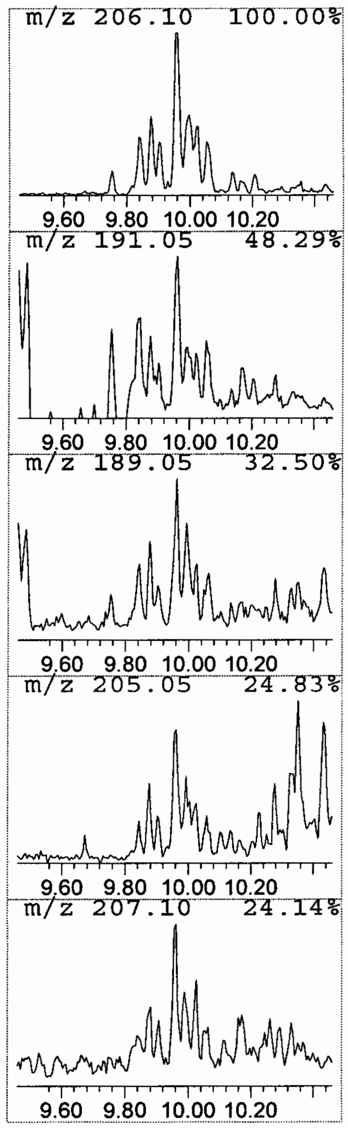
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	18.32 ng	161029	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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ALS Vial : 24 Sample Multiplier: 1

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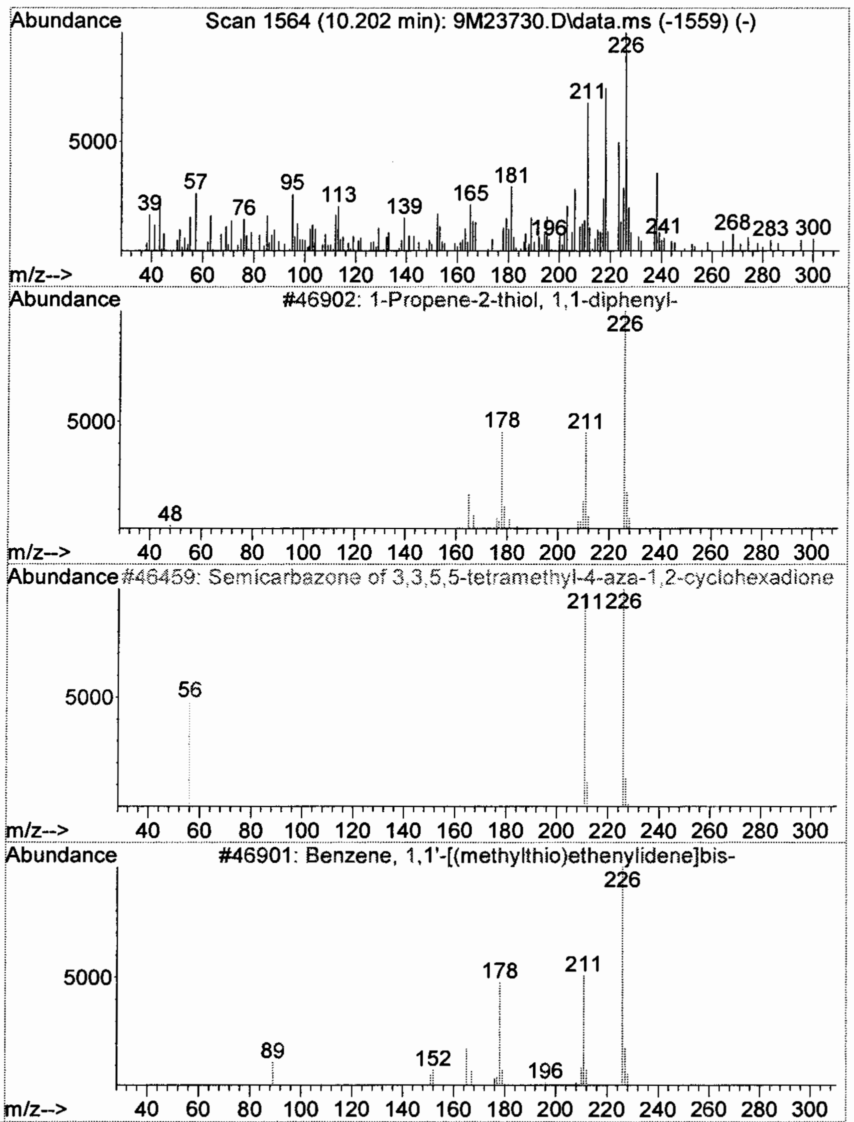
Quant Title : @GCMS_9,mg,625,8270

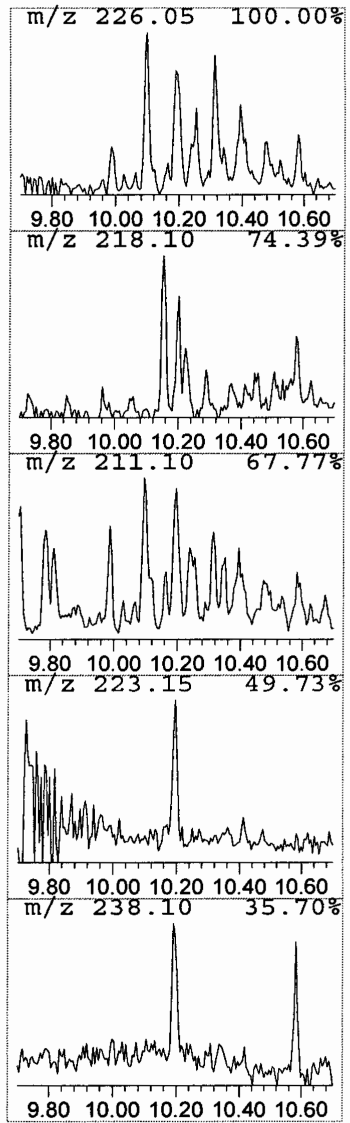
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 unknown Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	9.29 ng	81688	LibIS-Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene-2-thiol, 1,1-diphenyl-	226	C15H14S	074630-83-4	25
2	Semicarbazone of 3,3,5,5-tetrame...	226	C10H18N4O2	070510-25-7	22
3	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	18
4	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	16
5	3,4-DIMETHYL-NAPHTH(2.1-B)OXEPIN...	238	C16H14O2	060505-22-8	14





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Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

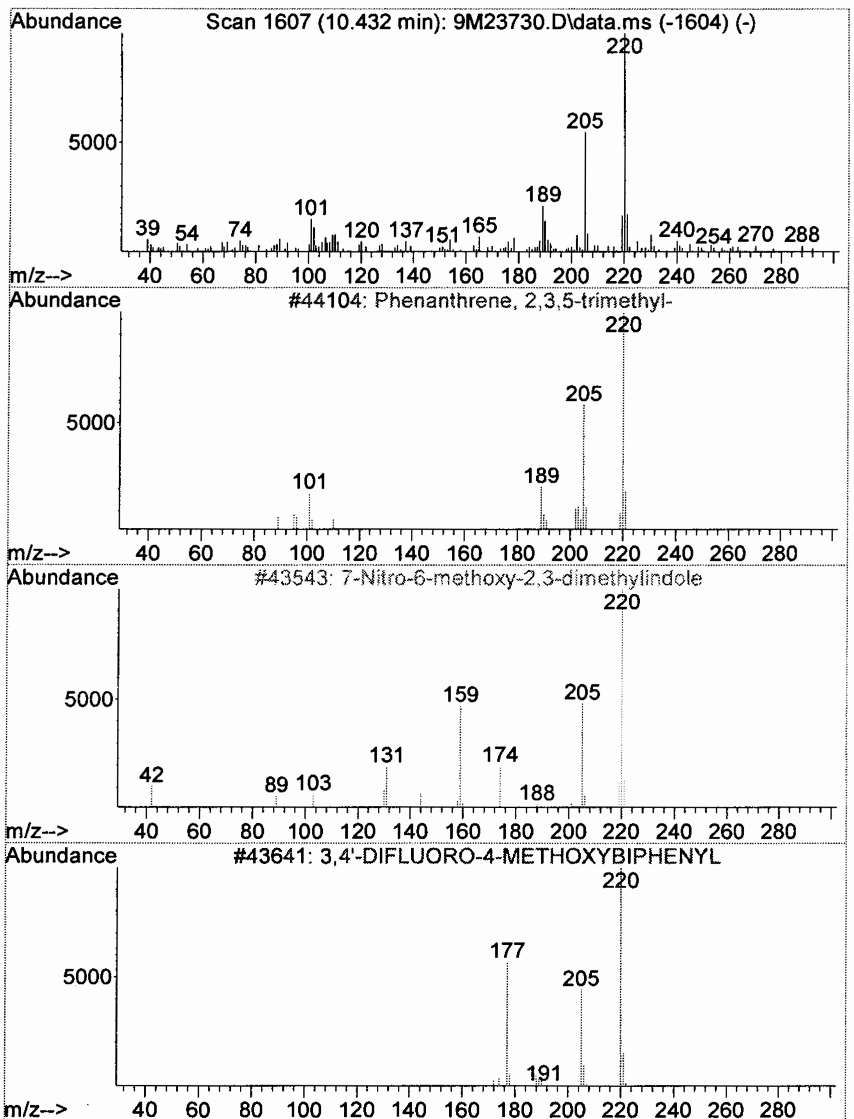
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

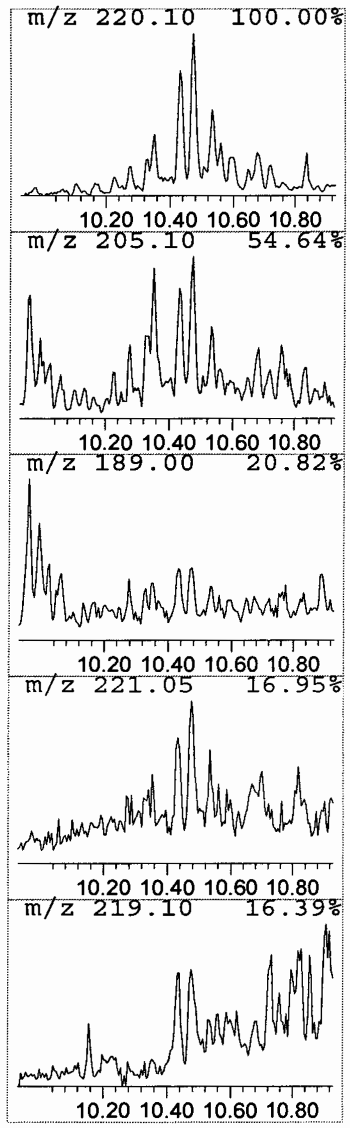
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	8.76 ng	68165	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	87
2	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	64
3	3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	58
4	3,4-Dimethoxy-6-isothiocyanatobe...	220	C10H8N2O2S	043091-89-0	53
5	EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	53





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

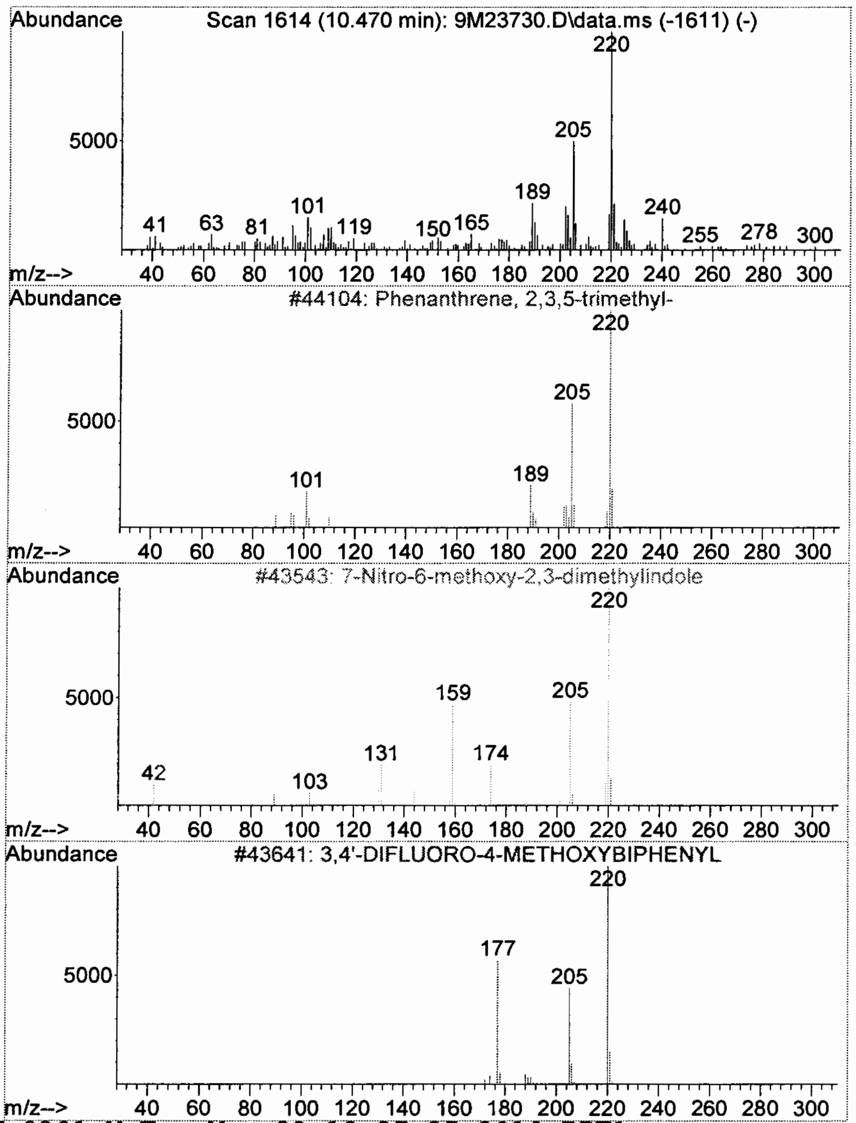
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

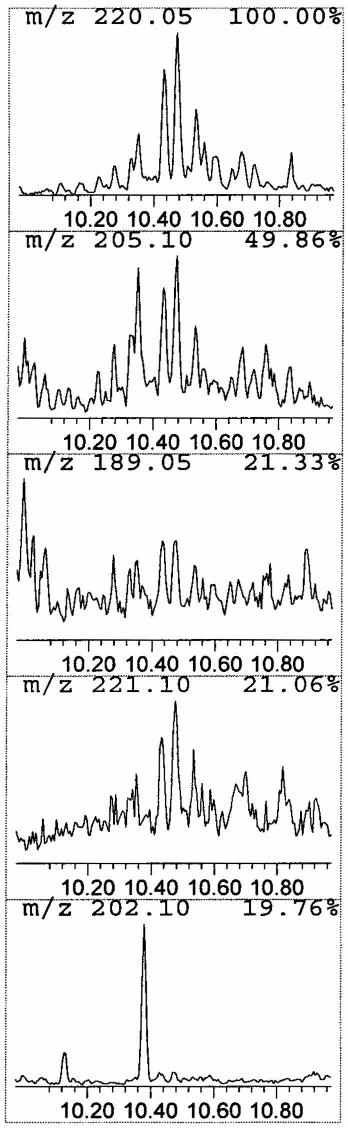
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	12.79 ng	99511	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	74
2	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
3	3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	53
4	CYCLOPENTADIENYL-HAPTO-4-HEPTA-1...	220	C12H17Co	000000-00-0	46
5	EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	42





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

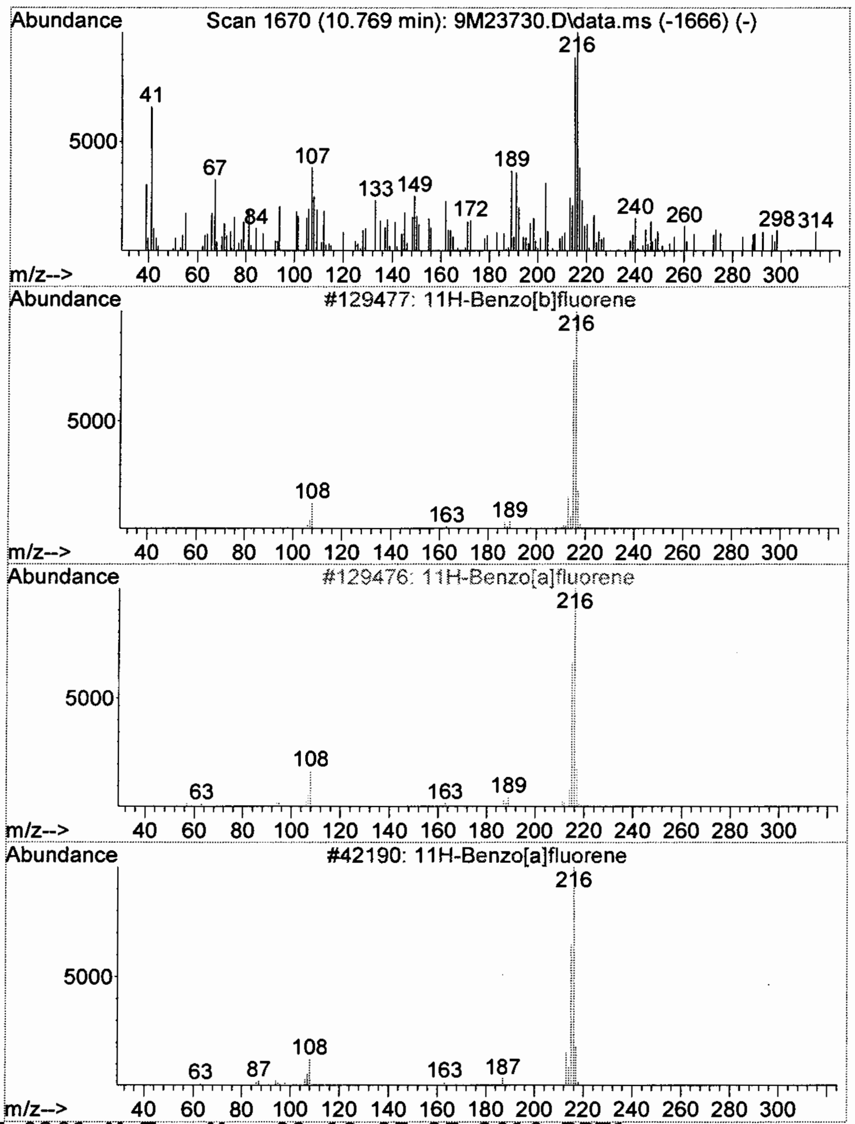
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

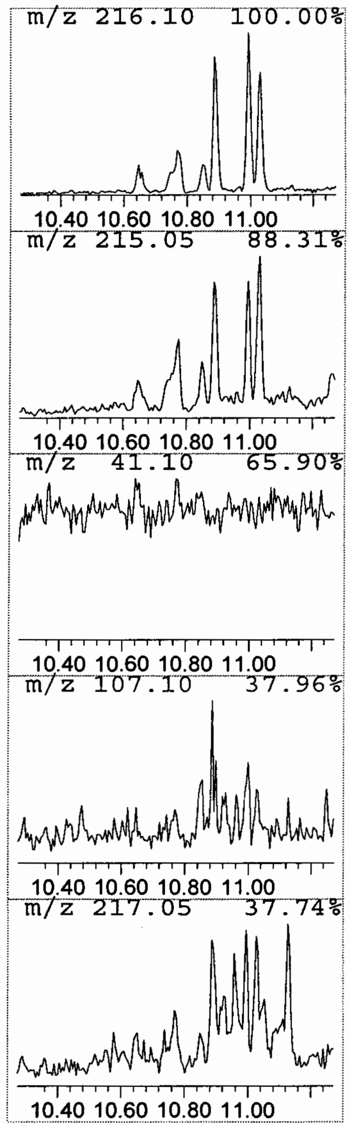
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	10.80 ng	84037	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	47
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	27
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	27
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	27
5	6-CHLORO-2H-1,2,4-BENZOTHIAZINE ...	216	C7H5ClN2O2S	019477-31-7	17





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

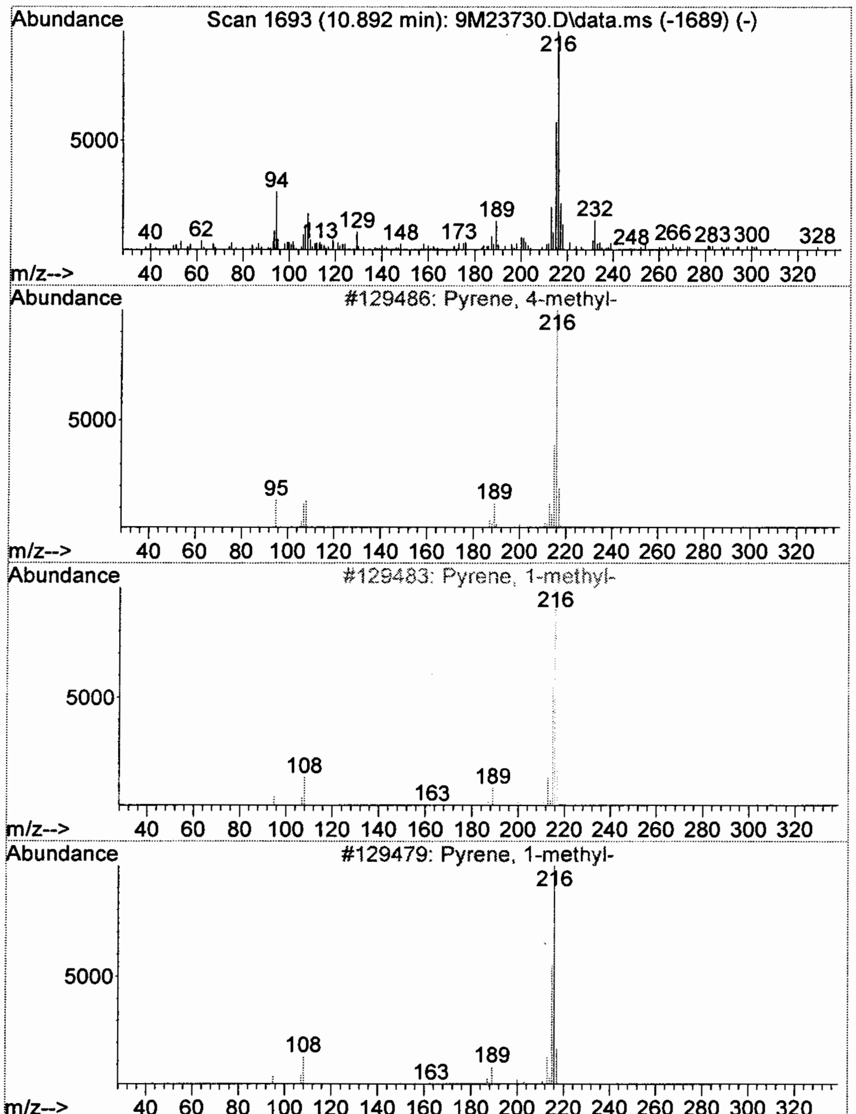
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

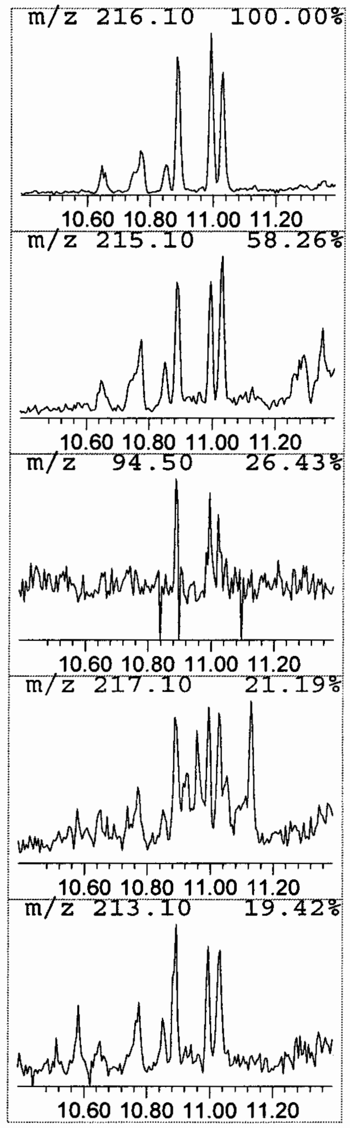
****

Peak Number 27 Pyrene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	8.59 ng	66887	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

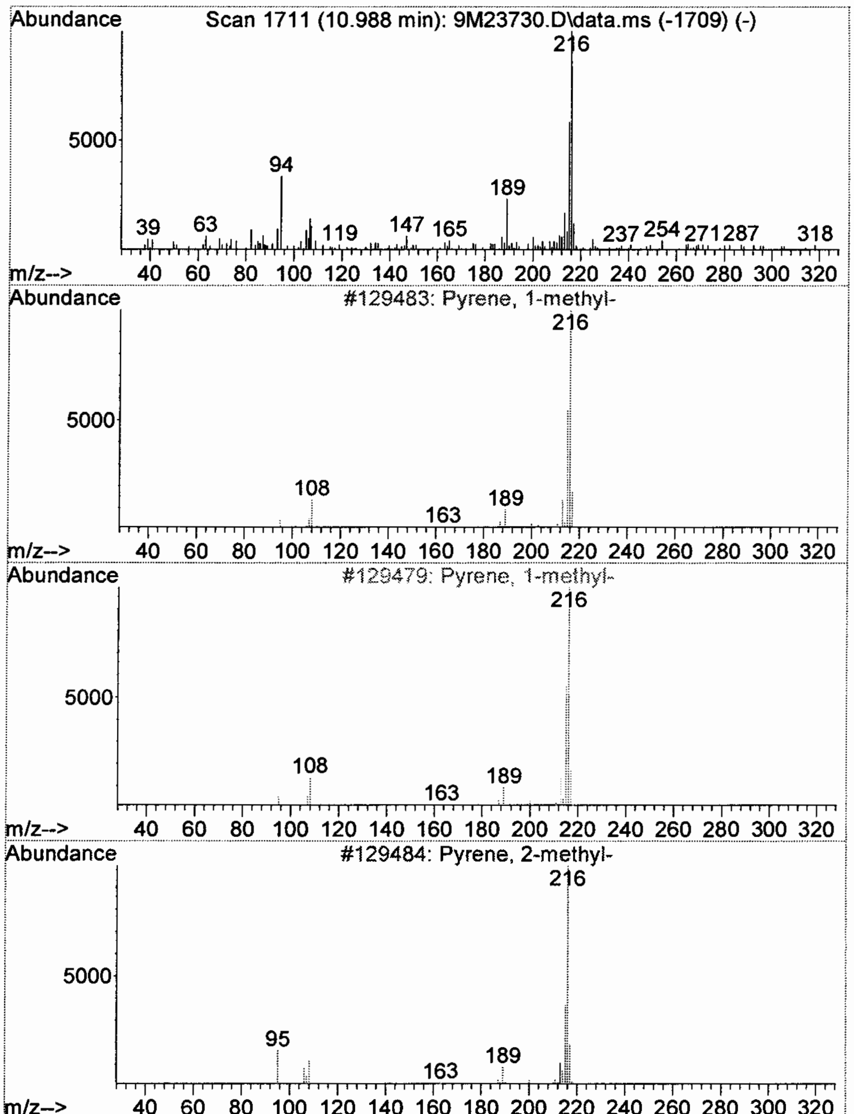
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

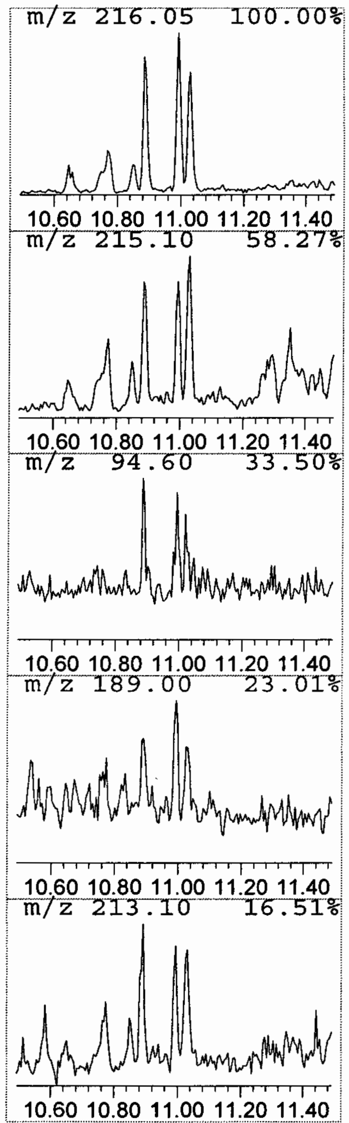
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	8.69 ng	67635	LibIS-Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23730.D
Acq On : 12 Mar 2010 20:36
Operator : AHD
Sample : AC50199-007(2X)
Misc : S,BNA:2
ALS Vial : 24 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,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
3-Penten-2-one, 4...	2.56	13.1	ng	71698	1	5.08	5.08	219427	40.0
unknown	2.99	16.7	ng	91598	1	5.08	5.08	219427	40.0
2-Pentanone, 4-hy...	3.48	3202.9	ng	17569864	1	5.08	5.08	219427	40.0
Naphthalene, 1-me...	6.71	18.4	ng	143283	2	6.11	6.11	311425	40.0
Naphthalene, 1-et...	7.06	12.9	ng	110808	3	7.44	7.44	344021	40.0
Naphthalene, 2,6-...	7.12	19.0	ng	163345	3	7.44	7.44	344021	40.0
Naphthalene, 1,8-...	7.17	21.9	ng	188410	3	7.44	7.44	344021	40.0
Naphthalene, 2,7-...	7.19	14.6	ng	125476	3	7.44	7.44	344021	40.0
Naphthalene, 1,3-...	7.27	10.7	ng	92339	3	7.44	7.44	344021	40.0
Naphthalene, 2-(1...	7.53	16.1	ng	138126	3	7.44	7.44	344021	40.0
Naphthalene, 1,4,...	7.61	14.7	ng	126372	3	7.44	7.44	344021	40.0
Naphthalene, 1,4,...	7.71	9.4	ng	80915	3	7.44	7.44	344021	40.0
Naphthalene, 1,6,...	7.79	11.6	ng	100033	3	7.44	7.44	344021	40.0
9H-Fluorene, 2-me...	8.42	8.9	ng	78265	4	8.81	8.81	351569	40.0
Dibenzothiophene,...	9.15	9.2	ng	80513	4	8.81	8.81	351569	40.0
Phenanthrene, 4-m...	9.34	11.7	ng	103219	4	8.81	8.81	351569	40.0
Anthracene, 2-met...	9.37	15.0	ng	131788	4	8.81	8.81	351569	40.0
Phenanthrene, 4-m...	9.46	13.8	ng	121658	4	8.81	8.81	351569	40.0
2,8-Dimethyldiben...	9.60	8.3	ng	73128	4	8.81	8.81	351569	40.0
unknown	9.84	24.1	ng	211534	4	8.81	8.81	351569	40.0
Phenanthrene, 2,7...	9.88	19.1	ng	167512	4	8.81	8.81	351569	40.0
Phenanthrene, 2,5...	9.96	18.3	ng	161029	4	8.81	8.81	351569	40.0
unknown	10.20	9.3	ng	81688	4	8.81	8.81	351569	40.0
Phenanthrene, 2,3...	10.43	8.8	ng	68165	5	11.80	11.80	311296	40.0
Phenanthrene, 2,3...	10.47	12.8	ng	99511	5	11.80	11.80	311296	40.0
unknown	10.77	10.8	ng	84037	5	11.80	11.80	311296	40.0
Pyrene, 4-methyl-	10.89	8.6	ng	66887	5	11.80	11.80	311296	40.0
Pyrene, 1-methyl-	10.99	8.7	ng	67635	5	11.80	11.80	311296	40.0

GC/MS Semi-Volatile Data
Standards Data

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	10M10017.	CAL BNA@50PPM	02/17/10 13:23	2	10M10016.	CAL BNA@2PPM	02/17/10 12:57
3	10M10010.	CAL BNA@10PPM	02/17/10 09:57	4	10M10011.	CAL BNA@20PPM	02/17/10 10:19
5	10M10012.	CAL BNA@80PPM	02/17/10 10:41	6	10M10013.	CAL BNA@120PPM	02/17/10 11:03
7	10M10014.	CAL BNA@160PPM	02/17/10 11:25	8	10M10015.	CAL BNA@196PPM	02/17/10 11:47

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	1.4130	1.2459	1.3841	1.2863	1.3873	1.3651	1.3453	1.3690	-----	1.35	2.73	1.00	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8129	0.6037	0.7673	0.7280	0.8028	0.7983	0.7819	0.7908	-----	0.761	2.67	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3014	1.2224	1.2569	1.2123	1.3241	1.3139	1.2800	1.3128	-----	1.28	4.42	1.00	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8998	0.9609	1.1323	1.0255	0.6304	0.3986	0.2915	-----	-----	0.763	5.22	0.822	0.994	43		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	1.9206	1.6614	1.8004	1.8411	1.8784	1.8176	1.6895	1.6080	-----	1.78	5.32	0.993	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.6733	0.6661	0.7238	0.6416	0.6756	0.6477	0.6260	0.6325	-----	0.661	5.36	0.999	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3111	1.3115	1.3396	1.2680	1.2813	1.2446	1.1937	1.2045	-----	1.27	5.39	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.6617	1.5646	1.6664	1.6064	1.6452	1.5893	1.4901	1.5004	-----	1.59	5.32	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.8491	1.7671	1.8634	1.8134	1.8472	1.7751	1.6794	1.6992	-----	1.79	5.33	0.998	0.999	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4107	1.3140	1.4143	1.3218	1.3963	1.3716	1.3430	1.3502	-----	1.37	5.43	1.00	1.00	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.3799	2.3344	2.4447	2.3118	2.3258	2.1726	2.0675	2.0277	-----	2.26	5.48	0.996	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	1.5573	1.4411	1.5653	1.5013	1.5506	1.4913	1.4298	1.4685	-----	1.50	5.56	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5943	1.5934	1.6374	1.5293	1.5903	1.5361	1.4799	1.5092	-----	1.56	5.62	0.999	0.999	3.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.4742	1.4233	1.4973	1.4196	1.4720	1.4222	1.3879	1.3889	-----	1.44	5.74	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9330	0.7989	0.9304	0.9098	0.9341	0.9217	0.8884	0.9060	-----	0.903	5.73	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.4060	2.4498	2.5919	2.4241	2.4135	2.2212	2.0999	2.0637	-----	2.33	5.84	0.996	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.2832	1.2228	1.3164	1.2390	1.2765	1.2275	1.1869	1.1926	-----	1.24	5.83	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	1.7983	1.7570	1.9504	1.7722	1.7562	1.6944	1.6284	1.6237	-----	1.75	5.94	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	0.5808	0.5478	0.6019	0.5555	0.6008	0.5724	0.5590	0.5619	-----	0.573	6.02	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	0.9490	0.8888	0.9897	0.9306	0.9370	0.8951	0.8593	0.8517	-----	0.913	5.94	0.998	1.00	5.2	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.3643	1.1718	1.3703	1.3015	1.3604	1.3084	1.2616	1.2696	-----	1.30	5.96	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1753	0.1571	0.1770	0.1694	0.1766	0.1701	0.1732	0.1760	-----	0.172	6.06	1.00	1.00	3.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3496	0.3268	0.3560	0.3376	0.3453	0.3325	0.3313	0.3346	-----	0.339	6.08	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6689	0.5886	0.6788	0.6407	0.6426	0.6173	0.6197	0.6286	-----	0.636	6.26	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1952	0.1422	0.1802	0.1751	0.1867	0.1848	0.1890	0.1915	-----	0.181	6.33	1.00	1.00	9.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3526	0.3111	0.3593	0.3475	0.3417	0.3293	0.3296	0.3342	-----	0.338	6.36	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.1507	-----	0.0766	0.0992	0.1711	0.2005	0.2208	0.2389	-----	0.165	6.44	0.986	1.00	37		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.4042	0.3836	0.4101	0.3897	0.3897	0.3804	0.3760	0.3777	-----	0.389	6.43	1.00	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2923	0.2481	0.2848	0.2711	0.2807	0.2762	0.2683	0.2766	-----	0.275	6.52	0.999	0.999	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3309	0.3034	0.3213	0.3075	0.3152	0.3018	0.2996	0.3021	-----	0.310	6.57	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0514	1.0182	1.0843	1.0374	1.0249	0.9738	0.9486	0.9582	-----	1.01	6.63	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Qua	0.4241	0.3615	0.3868	0.4002	0.3854	0.3355	0.3105	0.2754	-----	0.360	6.67	0.972	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1481	0.1448	0.1468	0.1430	0.1427	0.1390	0.1380	0.1386	-----	0.143	6.72	1.00	1.00	2.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1383	0.0961	0.1300	0.1265	0.1309	0.1289	0.1312	0.1323	-----	0.127	6.94	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3040	0.2666	0.3065	0.2882	0.2954	0.2901	0.2900	0.2919	-----	0.292	7.04	1.00	1.00	4.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7270	0.6556	0.7422	0.6845	0.6946	0.6519	0.6586	0.6545	-----	0.684	7.16	0.999	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7270	0.6556	0.7422	0.6845	0.6946	0.6519	0.6586	0.6545	-----	0.684	7.16	0.999	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.1173	1.0350	1.1351	1.0676	1.0416	0.9872	0.9671	0.9449	-----	1.04	7.52	0.998	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben:	1	0	Avg	0.5246	0.4635	0.5423	0.5137	0.5013	0.4868	0.4681	0.4719	-----	0.497	7.28	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2375	-----	0.1652	0.1865	0.2423	0.2511	0.2499	0.2575	-----	0.227	7.27	0.999	1.00	16	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3672	0.3185	0.3710	0.3518	0.3577	0.3532	0.3475	0.3519	-----	0.352	7.37	0.999	1.00	4.5	*(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: 6.63
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.

0676

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	10M10017.	CAL BNA@50PPM	02/17/10 13:23	2	10M10016.	CAL BNA@2PPM	02/17/10 12:57
3	10M10010.	CAL BNA@10PPM	02/17/10 09:57	4	10M10011.	CAL BNA@20PPM	02/17/10 10:19
5	10M10012.	CAL BNA@80PPM	02/17/10 10:41	6	10M10013.	CAL BNA@120PPM	02/17/10 11:03
7	10M10014.	CAL BNA@160PPM	02/17/10 11:25	8	10M10015.	CAL BNA@196PPM	02/17/10 11:47

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	0.3964	0.3393	0.3894	0.3745	0.3743	0.3820	0.3807	0.3770	-----	0.377	7.42	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3557	1.2652	1.3819	1.3149	1.2930	1.2862	1.2615	1.2519	-----	1.30	7.44	0.999	1.00	3.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1576	1.1498	1.2307	1.1633	1.1194	1.1124	1.0706	1.0667	-----	1.13	7.54	0.999	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthaler	1	0	Avg	1.3685	1.3104	1.4477	1.3828	1.3145	1.2527	1.1533	1.1307	-----	1.30	7.81	0.994	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.3685	1.3104	1.4477	1.3828	1.3145	1.2527	1.1533	1.1307	-----	1.30	7.81	0.994	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8426	0.7812	0.8653	0.8094	0.7965	0.7799	0.7517	0.7426	-----	0.796	7.60	0.999	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4676	0.3821	0.4553	0.4330	0.4514	0.4539	0.4365	0.4478	-----	0.441	7.62	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0521	1.9128	2.0759	1.9737	1.9764	1.9501	1.8452	1.8375	-----	1.95	7.89	0.998	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3276	1.3090	1.3577	1.3038	1.2917	1.2781	1.2192	1.2207	-----	1.29	7.77	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.2900	0.2283	0.2951	0.2724	0.2845	0.2748	0.2565	0.2575	-----	0.270	7.82	0.997	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2520	1.2230	1.2960	1.2124	1.2007	1.1728	1.1314	1.1406	-----	1.20	8.04	0.999	1.00	4.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Qua	0.3789	0.2860	0.3338	0.3374	0.3584	0.3366	0.3106	0.3077	-----	0.331	7.96	0.994	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1295	-----	0.0694	0.0862	0.1356	0.1520	0.1576	0.1673	-----	0.128	8.05	0.995	0.999	29	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7078	1.6148	1.7549	1.6215	1.6302	1.6083	1.5204	1.5107	-----	1.62	8.19	0.998	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrotoluene	1	0	LinF	0.3938	0.2502	0.3574	0.3493	0.3875	0.3921	0.3828	0.3866	-----	0.363	8.17	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2739	0.1788	0.2714	0.2527	0.2754	0.2795	0.2739	0.2840	-----	0.261	8.13	0.999	1.00	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	LinF	0.2865	0.2381	0.2827	0.2696	0.2792	0.2872	0.2751	0.2817	-----	0.275	8.30	0.999	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3705	1.2851	1.4193	1.3671	1.3246	1.2722	1.2269	1.2151	-----	1.31	8.50	0.998	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5933	0.5743	0.6136	0.5749	0.5666	0.5524	0.5251	0.5244	-----	0.566	8.50	0.998	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3870	1.3343	1.4137	1.3614	1.3461	1.3263	1.3016	1.3291	-----	1.35	8.39	1.00	1.00	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4060	0.3185	0.3842	0.3905	0.4057	0.3915	0.3881	0.3989	-----	0.385	8.51	0.999	0.999	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3658	0.3244	0.3574	0.3507	0.3581	0.3531	0.3392	0.3454	-----	0.349	9.13	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1128	-----	0.0755	0.0835	0.1192	0.1238	0.1288	0.1335	-----	0.111	8.54	0.998	1.00	20		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7297	0.6616	0.7127	0.6807	0.6981	0.6734	0.6511	0.6507	-----	0.682	8.61	0.999	1.00	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.0827	0.0632	0.0786	0.0764	0.0804	0.0792	0.0788	0.0827	-----	0.0778	8.73	0.999	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.8639	0.8277	0.8592	0.8328	0.8325	0.8169	0.7861	0.7888	-----	0.826	8.65	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1966	0.1853	0.1949	0.1893	0.1850	0.1818	0.1779	0.1806	-----	0.186	8.97	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1878	0.1829	0.1862	0.1794	0.1756	0.1712	0.1661	0.1689	-----	0.177	9.04	0.998	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Qua	0.9183	0.8053	0.9271	0.8788	0.8688	0.8129	0.7499	0.7407	-----	0.838	9.32	0.994	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0919	-----	0.0564	0.0690	0.0968	0.1057	0.1065	0.1091	-----	0.0908	9.24	0.998	1.00	22	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2554	1.2452	1.2604	1.2076	1.2096	1.1645	1.1128	1.1201	-----	1.20	9.47	0.998	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2792	1.2312	1.2653	1.2305	1.2271	1.1731	1.1314	1.1438	-----	1.21	9.52	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2425	1.0854	1.2314	1.1788	1.1972	1.1499	1.0955	1.1195	-----	1.16	9.69	0.998	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4942	1.2848	1.4399	1.4041	1.4466	1.4283	1.3649	1.3683	-----	1.40	10.08	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2565	1.1004	1.2232	1.1818	1.2019	1.1694	1.1202	1.1207	-----	1.17	10.78	0.999	1.00	4.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.7449	1.5964	1.7016	1.6194	1.6595	1.6422	1.6244	1.6084	-----	1.65	11.04	1.00	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6883	0.5704	0.6186	0.6902	0.5326	0.3860	0.3302	-----	-----	0.545	10.94	0.909	0.993	26		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	1.0725	1.0140	1.0228	0.9848	1.0217	1.0478	1.0149	1.0489	-----	1.03	11.23	0.999	0.999	2.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.3054	0.2721	0.3082	0.2816	0.2930	0.2927	0.2830	0.2888	-----	0.291	11.17	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.0898	0.0844	0.0915	0.0834	0.0855	0.0863	0.0866	0.0890	-----	0.0871	11.48	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.5520	0.4827	0.5185	0.5048	0.5182	0.5237	0.5108	0.5222	-----	0.517	11.56	0.999	1.00	3.8		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: 6.63

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_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M10017.	CAL BNA@50PPM	02/17/10 13:23	2	10M10016.	CAL BNA@2PPM	02/17/10 12:57
3	10M10010.	CAL BNA@10PPM	02/17/10 09:57	4	10M10011.	CAL BNA@20PPM	02/17/10 10:19
5	10M10012.	CAL BNA@80PPM	02/17/10 10:41	6	10M10013.	CAL BNA@120PPM	02/17/10 11:03
7	10M10014.	CAL BNA@160PPM	02/17/10 11:25	8	10M10015.	CAL BNA@196PPM	02/17/10 11:47

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	0.8753	0.7731	0.8612	0.8094	0.8520	0.8625	0.8481	0.8716	-----	0.844	11.82	1.00	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0434	-----	0.0481	0.0428	0.0413	0.0402	0.0409	0.0401	-----	0.0424	11.48	1.00	1.00	6.6		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.4861	0.3643	0.4427	0.4264	0.4710	0.4696	0.4710	0.4702	-----	0.450	11.92	1.00	1.00	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0589	0.0467	0.0524	0.0546	0.0563	0.0572	0.0574	0.0574	-----	0.0551	12.39	1.00	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4715	0.4416	0.4257	0.4272	0.4139	0.3812	0.3559	0.3537	-----	0.409	12.43	0.991	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4741	1.4478	1.4875	1.3694	1.4063	1.4157	1.3767	1.4136	-----	1.42	12.45	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.4209	1.3303	1.4100	1.3502	1.3539	1.3318	1.3156	1.3247	-----	1.35	12.49	1.00	1.00	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.2239	1.0476	1.2918	1.1269	1.1976	1.1870	1.1652	1.1765	-----	1.18	12.52	1.00	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.9552	1.6960	2.1582	1.7914	1.9156	1.8747	1.8386	1.9060	-----	1.89	13.26	0.999	0.999	7.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2909	1.2112	1.3250	1.1651	1.2681	1.1836	1.2047	1.1995	-----	1.23	13.65	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	1.2759	1.2117	1.3434	1.2538	1.1659	1.2062	1.0850	1.1533	-----	1.21	13.69	0.996	0.997	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2250	1.1289	1.2705	1.1726	1.1892	1.1834	1.1394	1.1622	-----	1.18	13.99	0.999	1.00	3.9	*(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	1.3111	1.1751	1.3813	1.2400	1.2680	1.2511	1.1831	1.2317	-----	1.26	15.24	0.999	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.1027	0.9468	1.1441	1.0262	1.0417	1.0386	0.9687	0.9869	-----	1.03	15.26	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.1119	1.0100	1.1808	1.0661	1.0665	1.0647	1.0114	1.0518	-----	1.07	15.58	0.999	0.999	5.2		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: 6.63
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
Data File: 10M10017.D
Acq On : 02/17/10 13:23

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:31
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	61127	40.00 ng	0.00
29) Naphthalene-d8	6.615	136	230955	40.00 ng	0.00
47) Acenaphthene-d10	8.011	164	123597	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	203154	40.00 ng	0.00
87) Chrysene-d12	12.461	240	158669	40.00 ng	0.00
102) Perylene-d12	14.050	264	171069	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.422	112	99441	50.92 ng	0.00
Spiked Amount 100.000			Recovery	= 50.92%	
15) Phenol-d5	5.321	99	126972	52.24 ng	0.00
Spiked Amount 100.000			Recovery	= 52.24%	
30) Nitrobenzene-d5	6.059	128	25310	25.50 ng	0.00
Spiked Amount 50.000			Recovery	= 51.00%	
52) 2-Fluorobiphenyl	7.439	172	104730	26.05 ng	0.00
Spiked Amount 50.000			Recovery	= 52.10%	
76) 2,4,6-Tribromophenol	8.733	330	21016	53.19 ng	0.00
Spiked Amount 100.000			Recovery	= 53.19%	
90) Terphenyl-d14	11.231	244	106363	26.07 ng	0.00
Spiked Amount 50.000			Recovery	= 52.14%	
Target Compounds					Qvalue
8) Pyridine	2.727	79	107969	52.35 ng	95
9) N-Nitrosodimethylamine	2.668	74	62119	53.43 ng	87
11) Benzaldehyde	5.225	77	68757	56.33 ng	68
12) Aniline	5.321	93	146752	54.04 ng	75
13) Pentachloroethane	5.364	117	51453	50.95 ng	85
14) bis(2-Chloroethyl)ether	5.385	93	100181	51.65 ng	87
16) Phenol	5.332	94	141290	51.74 ng	98
17) 2-Chlorophenol	5.433	128	107791	51.66 ng	83
18) N-Decane	5.476	57	181849	52.70 ng	98
19) 1,3-Dichlorobenzene	5.556	146	118992	51.89 ng	97
20) 1,4-Dichlorobenzene	5.621	146	121823	51.14 ng	97
21) 1,2-Dichlorobenzene	5.744	146	112643	51.34 ng	98
22) Benzyl alcohol	5.728	108	71290	51.67 ng	67
23) bis(2-chloroisopropyl)...	5.840	45	183841	51.55 ng	93
24) 2-Methylphenol	5.829	108	98054	51.61 ng	93
25) Acetophenone	5.936	105	137411	51.45 ng	64
26) Hexachloroethane	6.022	117	44380	50.72 ng	85
27) N-Nitroso-di-n-propyla...	5.941	70	72519	51.99 ng	85
28) 3&4-Methylphenol	5.958	108	104250	52.43 ng	99
31) Nitrobenzene	6.075	77	100939	51.53 ng	77
32) Isophorone	6.262	82	193111	52.61 ng	85
33) 2-Nitrophenol	6.327	139	56362	54.04 ng	82
34) 2,4-Dimethylphenol	6.364	107	101817	52.14 ng	90
35) Benzoic Acid	6.444	105	43518m	51.00 ng	
36) bis(2-Chloroethoxy)met...	6.428	93	116714	51.97 ng	96
37) 2,4-Dichlorophenol	6.519	162	84386	53.19 ng	87
38) 1,2,4-Trichlorobenzene	6.573	180	95544	53.33 ng	98
39) Naphthalene	6.631	128	303549	51.94 ng	99
40) 4-Chloroaniline	6.669	127	122444	52.38 ng	98
41) Hexachlorobutadiene	6.722	225	42778	51.93 ng	96
42) Caprolactam	6.942	113	39929	54.54 ng	66
43) 4-Chloro-3-methylphenol	7.043	107	87785	52.13 ng	77
44) 2-Methylnaphthalene	7.156	142	209886	53.17 ng	98
45) Methylnaphthalenes (To...	7.156	142	209886	53.17 ng	98
46) 1,1'-Biphenyl	7.519	154	322581	53.87 ng	95
48) 1,2,4,5-Tetrachloroben...	7.284	216	81059	52.83 ng	99
49) Hexachlorocyclopentadiene	7.273	237	36697	52.67 ng	98
50) 2,4,6-Trichlorophenol	7.375	196	56737	52.11 ng	99
51) 2,4,5-Trichlorophenol	7.418	196	61244	52.61 ng	98
53) 2-Chloronaphthalene	7.541	162	178850	51.05 ng	92
54) 1,4-Dimethylnaphthalene	7.814	156	211436	52.84 ng	93
55) Dimethylnaphthalenes (...	7.814	156	211436	52.84 ng	93
56) Diphenyl Ether	7.605	170	130183	52.92 ng	78
57) 2-Nitroaniline	7.621	65	72244	53.02 ng	61
58) Acenaphthylene	7.888	152	317055	52.54 ng	100
59) Dimethylphthalate	7.765	163	205116	51.52 ng	99
60) 2,6-Dinitrotoluene	7.819	165	44816	53.73 ng	67
61) Acenaphthene	8.038	153	193429	52.01 ng	96
62) 3-Nitroaniline	7.963	138	58550	52.12 ng	72
63) 2,4-Dinitrophenol	8.054	184	20021	52.95 ng	44
64) Dibenzofuran	8.188	168	263858	52.68 ng	88
65) 2,4-Dinitrotoluene	8.167	165	60850	50.95 ng	69

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 10M10017.D
Acq On : 02/17/10 13:23

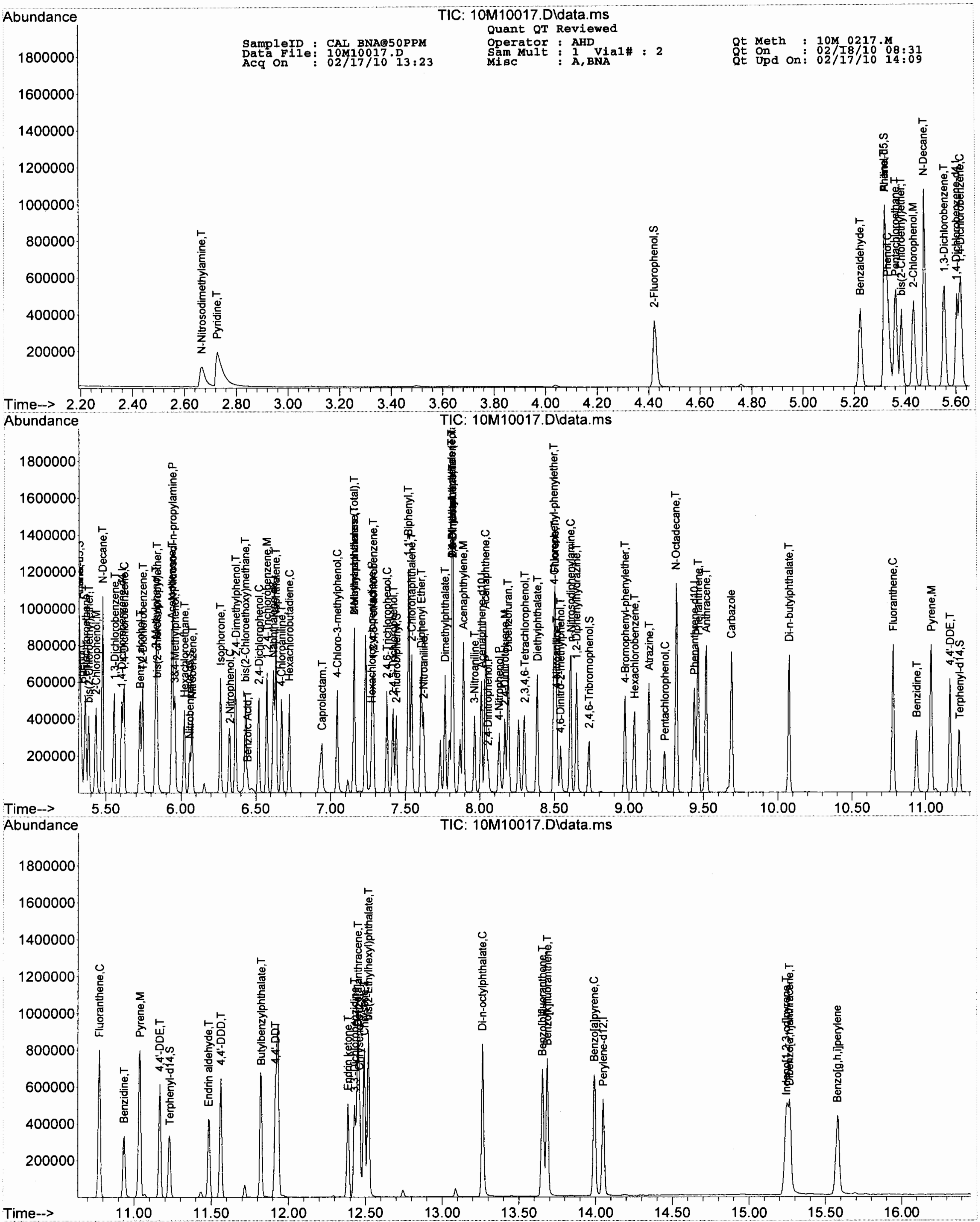
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:31
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.129	65	42321	50.51 ng	99
67)	2,3,4,6-Tetrachlorophenol	8.300	232	44270	51.05 ng	90
68)	Fluorene	8.503	166	211751	52.31 ng	99
69)	4-Chlorophenyl-phenyle...	8.498	204	91673	52.45 ng	89
70)	Diethylphthalate	8.386	149	214292	51.37 ng	97
71)	4-Nitroaniline	8.514	138	62735	52.67 ng	75
72)	Atrazine	9.135	200	56523	52.37 ng	98
74)	4,6-Dinitro-2-methylph...	8.541	198	28657	52.09 ng	54
75)	n-Nitrosodiphenylamine	8.610	169	185309	53.47 ng	97
77)	1,2-Diphenylhydrazine	8.648	77	219385	52.29 ng	84
78)	4-Bromophenyl-phenylether	8.974	248	49924	52.72 ng	91
79)	Hexachlorobenzene	9.038	284	47709	52.98 ng	77
80)	N-Octadecane	9.316	57	233217	51.84 ng	97
81)	Pentachlorophenol	9.242	266	23339	51.47 ng	94
82)	Phenanthrene	9.466	178	318811	52.44 ng	99
83)	Anthracene	9.520	178	324863	52.85 ng	99
84)	Carbazole	9.686	167	315534	53.44 ng	97
85)	Di-n-butylphthalate	10.076	149	379443	53.22 ng	97
86)	Fluoranthene	10.777	202	319099	53.62 ng	96
88)	Pyrene	11.039	202	346081	52.89 ng	91
89)	Benzidine	10.937	184	136528	58.14 ng	85
91)	4,4'-DDE	11.167	246	60582	52.55 ng	94
92)	Endrin	11.483	81	17821	51.57 ng	68
93)	4,4'-DDD	11.563	235	109497	53.43 ng	90
94)	Butylbenzylphthalate	11.825	149	173612	51.84 ng	67
95)	Endrin aldehyde	11.483	67	8622	51.21 ng	65
96)	4,4'-DDT	11.916	235	96429	54.00 ng	95
97)	Endrin ketone	12.387	317	11695	53.46 ng	97
98)	3,3'-Dichlorobenzidine	12.429	252	93532	54.79 ng	96
99)	Benzo[a]anthracene	12.451	228	292368	51.76 ng	99
100)	Chrysene	12.494	228	281819	52.44 ng	98
101)	bis(2-Ethylhexyl)phtha...	12.520	149	242747	51.99 ng	95
103)	Di-n-octylphthalate	13.264	149	418097	51.67 ng	100
104)	Benzo[b]fluoranthene	13.654	252	276047	52.43 ng	100
105)	Benzo[k]fluoranthene	13.686	252	272851	52.39 ng	97
106)	Benzo[a]pyrene	13.991	252	261949	51.73 ng	98
107)	Indeno[1,2,3-cd]pyrene	15.243	276	280377	52.23 ng	95
108)	Dibenzo[a,h]anthracene	15.264	278	235801	53.43 ng	98
109)	Benzo[g,h,i]perylene	15.580	276	237779	51.94 ng	96

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


Abundance
TIC: 10M10017.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M10017.D
Acq On : 02/17/10 13:23
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:31
Qt Upd On: 02/17/10 14:09
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Isophorone,T
2-Nitrophenol,C
Benzoic Acid,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
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
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
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10016.D Sam Mult : 1 Vial# : 3 Qt On : 02/18/10 08:30
Acq On : 02/17/10 12:57 Misc : A,BNA Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	49391	40.00 ng	0.00
29) Naphthalene-d8	6.616	136	189594	40.00 ng	0.00
47) Acenaphthene-d10	8.006	164	100532	40.00 ng	0.00
73) Phenanthrene-d10	9.434	188	163914	40.00 ng	0.00
87) Chrysene-d12	12.456	240	127968	40.00 ng	0.00
102) Perylene-d12	14.050	264	131810	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.428	112	3019	1.91 ng	0.00
Spiked Amount 100.000			Recovery	= 1.91%	
15) Phenol-d5	5.327	99	3864	1.97 ng	0.00
Spiked Amount 100.000			Recovery	= 1.97%	
30) Nitrobenzene-d5	6.059	128	745	0.91 ng	0.00
Spiked Amount 50.000			Recovery	= 1.82%	
52) 2-Fluorobiphenyl	7.434	172	3180	0.97 ng	0.00
Spiked Amount 50.000			Recovery	= 1.94%	
76) 2,4,6-Tribromophenol	8.728	330	518	1.62 ng	0.00
Spiked Amount 100.000			Recovery	= 1.62%	
90) Terphenyl-d14	11.226	244	3244	0.99 ng	0.00
Spiked Amount 50.000			Recovery	= 1.98%	
Target Compounds					Qvalue
8) Pyridine	2.791	79	3077m	1.85 ng	
9) N-Nitrosodimethylamine	2.695	74	1491m	1.59 ng	
11) Benzaldehyde	5.225	77	2373	1.77 ng	72
12) Aniline	5.321	93	4103	1.87 ng	80
13) Pentachloroethane	5.359	117	1645	2.02 ng	82
14) bis(2-Chloroethyl)ether	5.385	93	3239	2.07 ng	82
16) Phenol	5.337	94	4364	1.98 ng	93
17) 2-Chlorophenol	5.434	128	3245	1.92 ng	81
18) N-Decane	5.476	57	5765	2.07 ng	97
19) 1,3-Dichlorobenzene	5.551	146	3559	1.92 ng	97
20) 1,4-Dichlorobenzene	5.615	146	3935	2.04 ng	91
21) 1,2-Dichlorobenzene	5.744	146	3515	1.98 ng	91
22) Benzyl alcohol	5.728	108	1973	1.77 ng	54
23) bis(2-chloroisopropyl)...	5.835	45	6050	2.10 ng	95
24) 2-Methylphenol	5.829	108	3020	1.97 ng	91
25) Acetophenone	5.936	105	4339	2.01 ng	57
26) Hexachloroethane	6.017	117	1353	1.91 ng	91
27) N-Nitroso-di-n-propyla...	5.936	70	2195	1.95 ng	93
28) 3&4-Methylphenol	5.958	108	2894	1.80 ng	97
31) Nitrobenzene	6.070	77	3098	1.93 ng	76
32) Isophorone	6.263	82	5580	1.85 ng	72
33) 2-Nitrophenol	6.321	139	1348	1.57 ng	79
34) 2,4-Dimethylphenol	6.364	107	2950	1.84 ng	94
35) Benzoic Acid	6.402	105	373	0.69 ng	72
36) bis(2-Chloroethoxy)met...	6.428	93	3637	1.97 ng	97
37) 2,4-Dichlorophenol	6.519	162	2352	1.81 ng	86
38) 1,2,4-Trichlorobenzene	6.573	180	2877	1.96 ng	96
39) Naphthalene	6.632	128	9653	2.01 ng	97
40) 4-Chloroaniline	6.669	127	3427	1.60 ng	94
41) Hexachlorobutadiene	6.723	225	1373	2.03 ng	98
42) Caprolactam	6.910	113	911	1.52 ng	66
43) 4-Chloro-3-methylphenol	7.038	107	2528	1.83 ng	77
44) 2-Methylnaphthalene	7.150	142	6215	1.92 ng	89
45) Methylnaphthalenes (To...	7.150	142	6215	1.92 ng	89
46) 1,1'-Biphenyl	7.519	154	9812	2.00 ng	91
48) 1,2,4,5-Tetrachloroben...	7.284	216	2330	1.87 ng	93
49) Hexachlorocyclopentadiene	7.273	237	400	0.75 ng	85
50) 2,4,6-Trichlorophenol	7.375	196	1601	1.81 ng	94
51) 2,4,5-Trichlorophenol	7.413	196	1706	1.80 ng	98
53) 2-Chloronaphthalene	7.541	162	5780	2.03 ng	85
54) 1,4-Dimethylnaphthalene	7.814	156	6587	2.02 ng	92
55) Dimethylnaphthalenes (...	7.814	156	6587	2.02 ng	92
56) Diphenyl Ether	7.605	170	3927	1.96 ng	68
57) 2-Nitroaniline	7.616	65	1921	1.73 ng	47
58) Acenaphthylene	7.883	152	9615	1.96 ng	95
59) Dimethylphthalate	7.760	163	6580	2.03 ng	97
60) 2,6-Dinitrotoluene	7.814	165	1148	1.69 ng	83
61) Acenaphthene	8.033	153	6148	2.03 ng	96
62) 3-Nitroaniline	7.958	138	1438	1.49 ng	85
63) 2,4-Dinitrophenol	0.000		0	N.D.	
64) Dibenzofuran	8.188	168	8117	1.99 ng	83
65) 2,4-Dinitrotoluene	8.161	165	1258	1.30 ng	81

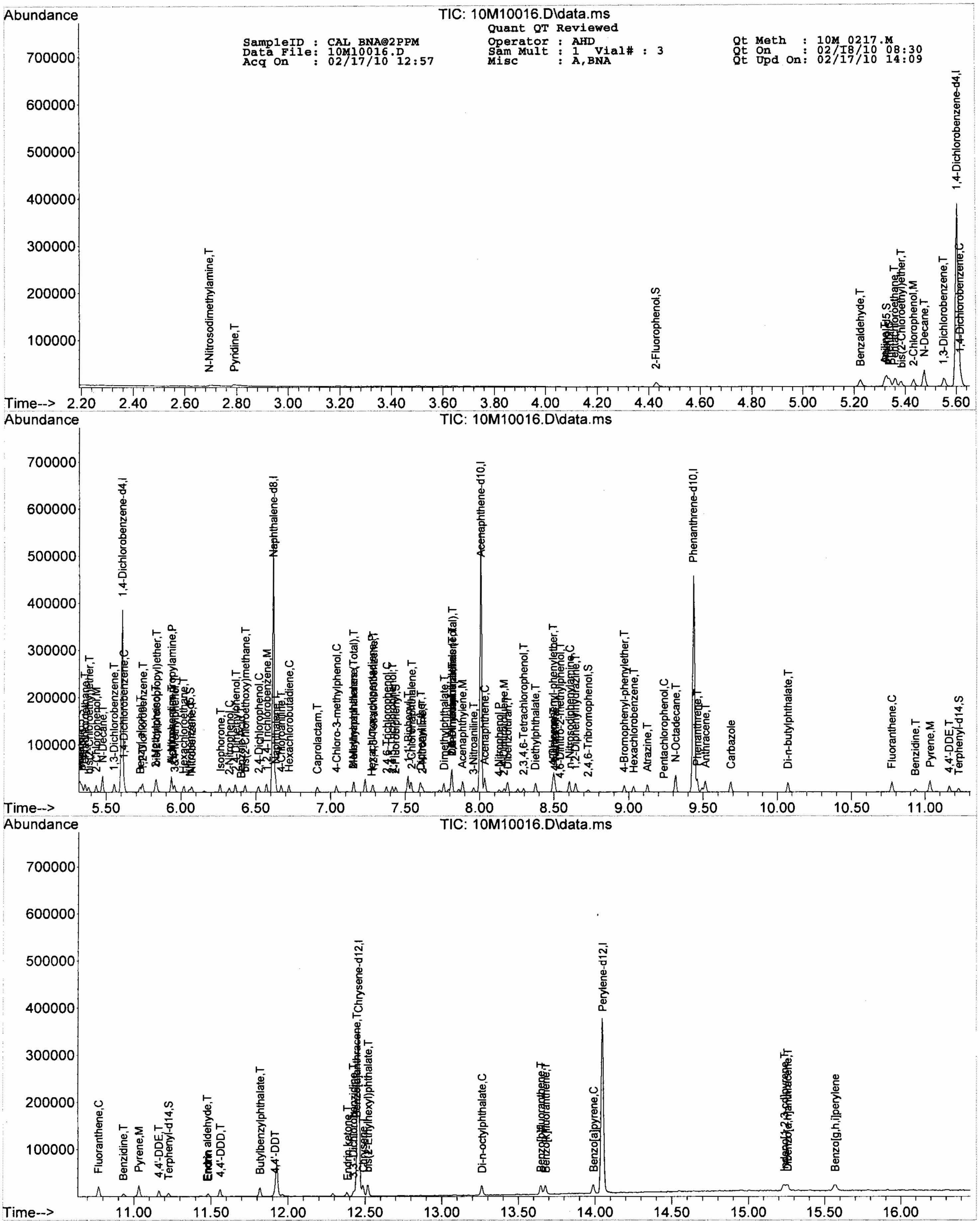
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10016.D Sam Mult : 1 Vial# : 3 Qt On : 02/18/10 08:30
Acq On : 02/17/10 12:57 Misc : A,BNA Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
66)	4-Nitrophenol	8.129	65	899	1.34 ng		95
67)	2,3,4,6-Tetrachlorophenol	8.295	232	1197	1.70 ng		81
68)	Fluorene	8.498	166	6460	1.96 ng		94
69)	4-Chlorophenyl-phenyle...	8.493	204	2887	2.03 ng		90
70)	Diethylphthalate	8.375	149	6707	1.98 ng		99
71)	4-Nitroaniline	8.509	138	1601	1.65 ng		78
72)	Atrazine	9.124	200	1631	1.86 ng		99
74)	4,6-Dinitro-2-methylph...	8.541	198	220	0.54 ng		56
75)	n-Nitrosodiphenylamine	8.605	169	5423	1.94 ng		98
77)	1,2-Diphenylhydrazine	8.643	77	6784	2.00 ng		82
78)	4-Bromophenyl-phenylether	8.969	248	1519	1.99 ng		99
79)	Hexachlorobenzene	9.033	284	1499	2.06 ng		74
80)	N-Octadecane	9.317	57	6600	1.71 ng		93
81)	Pentachlorophenol	9.236	266	131	0.39 ng	#	48
82)	Phenanthrene	9.461	178	10206	2.08 ng		97
83)	Anthracene	9.515	178	10091	2.03 ng		98
84)	Carbazole	9.686	167	8896	1.87 ng		98
85)	Di-n-butylphthalate	10.071	149	10530	1.83 ng		97
86)	Fluoranthene	10.771	202	9019	1.88 ng		99
88)	Pyrene	11.034	202	10215	1.94 ng		91
89)	Benzidine	10.932	184	3650	1.53 ng		90
91)	4,4'-DDE	11.162	246	1741	1.87 ng		92
92)	Endrin	11.483	81	540	1.94 ng		85
93)	4,4'-DDD	11.563	235	3089	1.87 ng		88
94)	Butylbenzylphthalate	11.820	149	4947	1.83 ng		67
95)	Endrin aldehyde	11.477	67	168m	1.24 ng		
96)	4,4'-DDT	11.916	235	2331	1.62 ng		92
97)	Endrin ketone	12.387	317	299	1.69 ng		68
98)	3,3'-Dichlorobenzidine	12.424	252	2826	2.09 ng		96
99)	Benzo[a]anthracene	12.446	228	9264	2.03 ng		97
100)	Chrysene	12.488	228	8512	1.96 ng		92
101)	bis(2-Ethylhexyl)phtha...	12.520	149	6703	1.78 ng		95
103)	Di-n-octylphthalate	13.264	149	11178	1.79 ng		97
104)	Benzo[b]fluoranthene	13.649	252	7983	1.97 ng		94
105)	Benzo[k]fluoranthene	13.681	252	7986	1.99 ng		94
106)	Benzo[a]pyrene	13.991	252	7440	1.91 ng		86
107)	Indeno[1,2,3-cd]pyrene	15.238	276	7745	1.87 ng		89
108)	Dibenzo[a,h]anthracene	15.259	278	6240	1.83 ng		99
109)	Benzo[g,h,i]perylene	15.569	276	6657	1.89 ng		95

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


Abundance
TIC: 10M10016.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M10016.D
Acq On : 02/17/10 12:57
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->
Naphthalene-d8,I
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene-d10,I
3-Nitroaniline,T
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-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@10PPM
Data File: 10M10010.D
Acq On : 02/17/10 09:57

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	56593	40.00 ng	0.00
29) Naphthalene-d8	6.616	136	215295	40.00 ng	0.00
47) Acenaphthene-d10	8.012	164	114425	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	192174	40.00 ng	0.00
87) Chrysene-d12	12.462	240	152184	40.00 ng	0.00
102) Perylene-d12	14.050	264	168357	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.428	112	17784	9.84 ng	0.00
Spiked Amount 100.000			Recovery =	9.84%	
15) Phenol-d5	5.327	99	23577	10.48 ng	0.00
Spiked Amount 100.000			Recovery =	10.48%	
30) Nitrobenzene-d5	6.059	128	4765	5.15 ng	0.00
Spiked Amount 50.000			Recovery =	10.30%	
52) 2-Fluorobiphenyl	7.439	172	19766	5.31 ng	0.00
Spiked Amount 50.000			Recovery =	10.62%	
76) 2,4,6-Tribromophenol	8.734	330	3780	10.11 ng	0.00
Spiked Amount 100.000			Recovery =	10.11%	
90) Terphenyl-d14	11.231	244	19458	4.97 ng	0.00
Spiked Amount 50.000			Recovery =	9.94%	
Target Compounds					Qvalue
8) Pyridine	2.754	79	19583	10.26 ng	98
9) N-Nitrosodimethylamine	2.679	74	10857	10.09 ng	90
11) Benzaldehyde	5.225	77	16021	10.90 ng	72
12) Aniline	5.321	93	25473	10.13 ng	78
13) Pentachloroethane	5.359	117	10241	10.95 ng	93
14) bis(2-Chloroethyl)ether	5.385	93	18953	10.55 ng	89
16) Phenol	5.337	94	26365	10.43 ng	93
17) 2-Chlorophenol	5.433	128	20011	10.36 ng	85
18) N-Decane	5.476	57	34589	10.83 ng	96
19) 1,3-Dichlorobenzene	5.556	146	22147	10.43 ng	96
20) 1,4-Dichlorobenzene	5.621	146	23167	10.50 ng	97
21) 1,2-Dichlorobenzene	5.744	146	21185	10.43 ng	96
22) Benzyl alcohol	5.722	108	13164	10.31 ng	70
23) bis(2-chloroisopropyl)...	5.835	45	36672	11.11 ng	94
24) 2-Methylphenol	5.829	108	18625	10.59 ng	93
25) Acetophenone	5.936	105	27595	11.16 ng	63
26) Hexachloroethane	6.022	117	8517	10.51 ng	85
27) N-Nitroso-di-n-propyla...	5.936	70	14003	10.84 ng	95
28) 3&4-Methylphenol	5.958	108	19388	10.53 ng	95
31) Nitrobenzene	6.070	77	19163	10.49 ng	79
32) Isophorone	6.263	82	36540	10.68 ng	84
33) 2-Nitrophenol	6.321	139	9704	9.98 ng	89
34) 2,4-Dimethylphenol	6.364	107	19342	10.63 ng	94
35) Benzoic Acid	6.412	105	4124	6.48 ng	84
36) bis(2-Chloroethoxy)met...	6.428	93	22073	10.54 ng	97
37) 2,4-Dichlorophenol	6.519	162	15329	10.36 ng	85
38) 1,2,4-Trichlorobenzene	6.573	180	17296	10.36 ng	97
39) Naphthalene	6.632	128	58364	10.71 ng	100
40) 4-Chloroaniline	6.669	127	20819	8.71 ng	99
41) Hexachlorobutadiene	6.723	225	7903	10.29 ng	91
42) Caprolactam	6.915	113	6999	10.25 ng	63
43) 4-Chloro-3-methylphenol	7.038	107	16502	10.51 ng	81
44) 2-Methylnaphthalene	7.156	142	39953	10.86 ng	100
45) Methylnaphthalenes (To...	7.156	142	39953	10.86 ng	100
46) 1,1'-Biphenyl	7.519	154	61100	10.95 ng	94
48) 1,2,4,5-Tetrachloroben...	7.284	216	15515	10.92 ng	99
49) Hexachlorocyclopentadiene	7.273	237	4726	7.71 ng	95
50) 2,4,6-Trichlorophenol	7.375	196	10614	10.53 ng	98
51) 2,4,5-Trichlorophenol	7.412	196	11140	10.34 ng	96
53) 2-Chloronaphthalene	7.541	162	35208	10.85 ng	91
54) 1,4-Dimethylnaphthalene	7.814	156	41415	11.18 ng	91
55) Dimethylnaphthalenes (...	7.814	156	41415	11.18 ng	91
56) Diphenyl Ether	7.605	170	24753	10.87 ng	80
57) 2-Nitroaniline	7.616	65	13027	10.33 ng	74
58) Acenaphthylene	7.888	152	59386	10.63 ng	100
59) Dimethylphthalate	7.760	163	38839	10.54 ng	98
60) 2,6-Dinitrotoluene	7.819	165	8442	10.93 ng	67
61) Acenaphthene	8.038	153	37076	10.77 ng	98
62) 3-Nitroaniline	7.963	138	9551	8.75 ng	73
63) 2,4-Dinitrophenol	8.054	184	1986	6.50 ng	52
64) Dibenzofuran	8.188	168	50201	10.83 ng	87
65) 2,4-Dinitrotoluene	8.167	165	10226	9.25 ng	64

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@10PPM
Data File: 10M10010.D
Acq On : 02/17/10 09:57

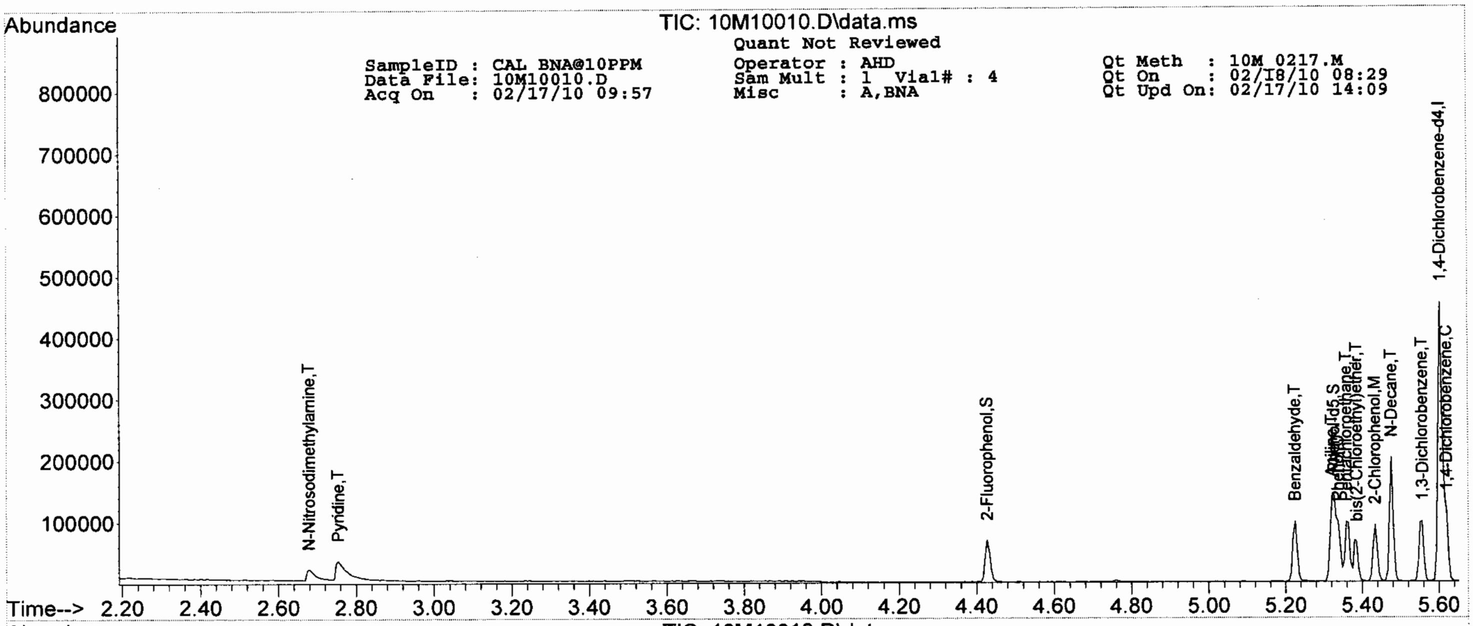
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

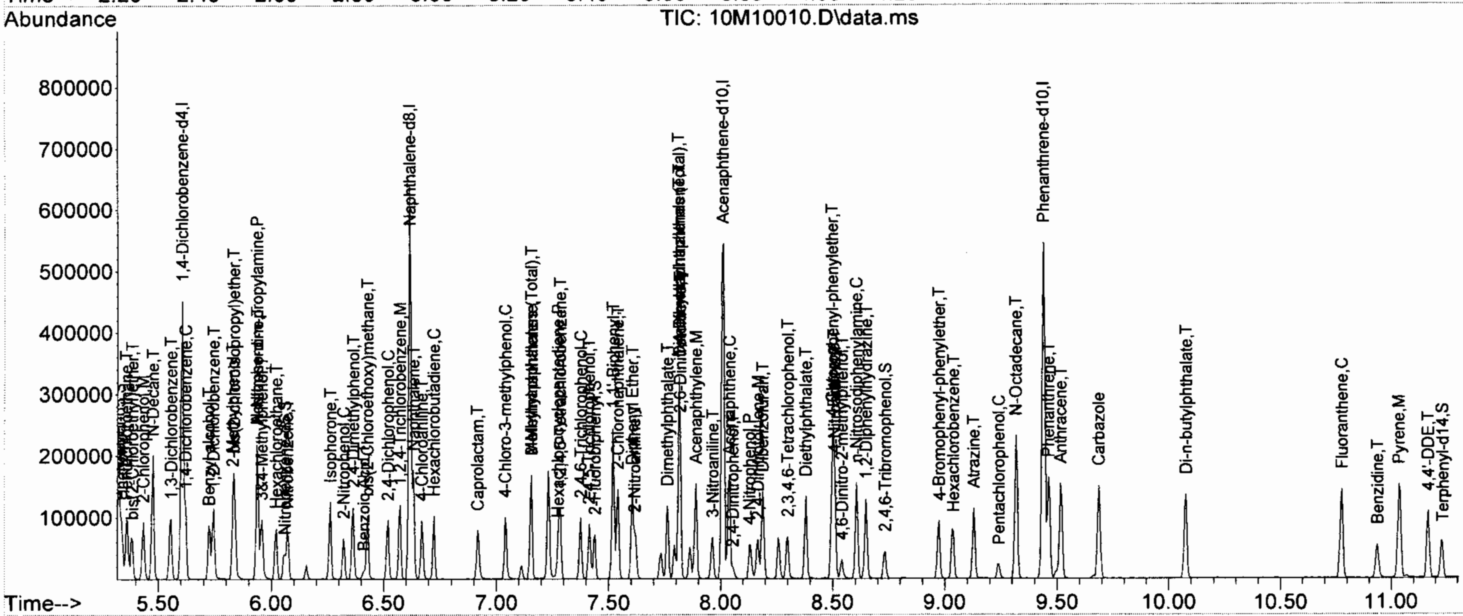
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

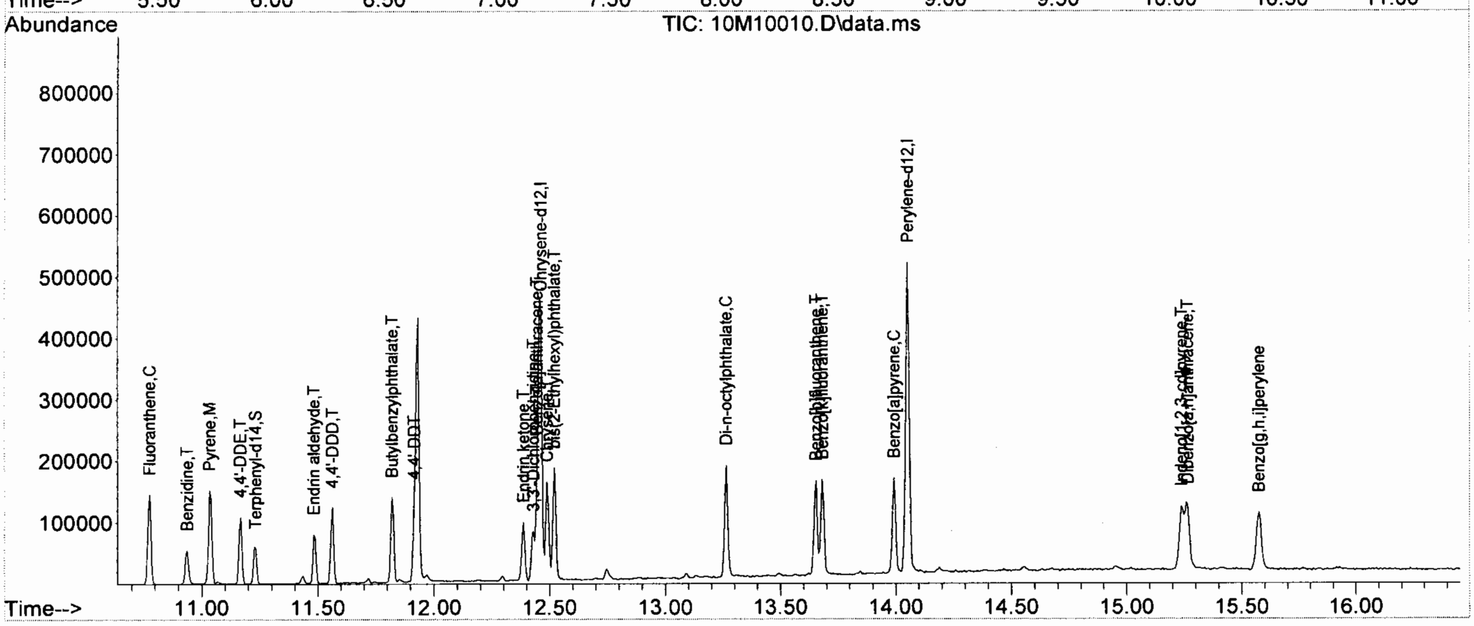
Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.129	65	7766	10.12 ng	98
67)	2,3,4,6-Tetrachlorophenol	8.300	232	8089	10.08 ng	89
68)	Fluorene	8.504	166	40601	10.83 ng	98
69)	4-Chlorophenyl-phenyle...	8.498	204	17554	10.85 ng	89
70)	Diethylphthalate	8.381	149	40442	10.47 ng	96
71)	4-Nitroaniline	8.509	138	10992	9.97 ng	75
72)	Atrazine	9.129	200	10226	10.23 ng	96
74)	4,6-Dinitro-2-methylph...	8.541	198	3628	7.56 ng	61
75)	n-Nitrosodiphenylamine	8.605	169	34245	10.45 ng	97
77)	1,2-Diphenylhydrazine	8.648	77	41280	10.40 ng	84
78)	4-Bromophenyl-phenylether	8.974	248	9366	10.45 ng	88
79)	Hexachlorobenzene	9.038	284	8947	10.50 ng	78
80)	N-Octadecane	9.317	57	44545	9.96 ng	95
81)	Pentachlorophenol	9.242	266	2712	6.86 ng	83
82)	Phenanthrene	9.461	178	60557	10.53 ng	99
83)	Anthracene	9.515	178	60791	10.46 ng	99
84)	Carbazole	9.686	167	59162	10.59 ng	97
85)	Di-n-butylphthalate	10.076	149	69181	10.26 ng	96
86)	Fluoranthene	10.777	202	58770	10.44 ng	95
88)	Pyrene	11.034	202	64742	10.32 ng	97
89)	Benzidine	10.937	184	23538	8.51 ng	91
91)	4,4'-DDE	11.167	246	11728	10.61 ng	92
92)	Endrin	11.483	81	3484	10.51 ng	80
93)	4,4'-DDD	11.563	235	19727	10.04 ng	87
94)	Butylbenzylphthalate	11.820	149	32768	10.20 ng	73
95)	Endrin aldehyde	11.483	67	1830	11.33 ng	58
96)	4,4'-DDT	11.916	235	16844	9.83 ng	94
97)	Endrin ketone	12.387	317	1997	9.52 ng	93
98)	3,3'-Dichlorobenzidine	12.430	252	16197	9.45 ng	95
99)	Benzo[a]anthracene	12.446	228	56597	10.45 ng	99
100)	Chrysene	12.488	228	53648	10.41 ng	97
101)	bis(2-Ethylhexyl)phtha...	12.520	149	49150	10.97 ng	96
103)	Di-n-octylphthalate	13.264	149	90841	11.41 ng	98
104)	Benzo[b]fluoranthene	13.654	252	55772	10.76 ng	97
105)	Benzo[k]fluoranthene	13.681	252	56546	11.03 ng	98
106)	Benzo[a]pyrene	13.991	252	53477	10.73 ng	98
107)	Indeno[1,2,3-cd]pyrene	15.238	276	58141	11.00 ng	98
108)	Dibenzo[a,h]anthracene	15.264	278	48155	11.09 ng	98
109)	Benzo[g,h,i]perylene	15.575	276	49701	11.03 ng	95

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


Abundance
TIC: 10M10010.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M10010.D
Acq On : 02/17/10 09:57
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->
2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60


Abundance
TIC: 10M10010.D\data.ms
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene,T
N-Decane,T
Isophorone,T
Naphthalene-d8,I
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene-d10,I
3-Nitroaniline,T
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-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00


Abundance
TIC: 10M10010.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@20PPM
Data File: 10M10011.D
Acq On : 02/17/10 10:19

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	57873	40.00 ng	0.00
29) Naphthalene-d8	6.616	136	222479	40.00 ng	0.00
47) Acenaphthene-d10	8.006	164	118440	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	197557	40.00 ng	0.00
87) Chrysene-d12	12.462	240	156790	40.00 ng	0.00
102) Perylene-d12	14.050	264	172339	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.428	112	35080	18.97 ng	0.00
Spiked Amount 100.000			Recovery =	18.97%	
15) Phenol-d5	5.327	99	46485	20.20 ng	0.00
Spiked Amount 100.000			Recovery =	20.20%	
30) Nitrobenzene-d5	6.059	128	9424	9.86 ng	0.00
Spiked Amount 50.000			Recovery =	19.72%	
52) 2-Fluorobiphenyl	7.439	172	38935	10.10 ng	0.00
Spiked Amount 50.000			Recovery =	20.20%	
76) 2,4,6-Tribromophenol	8.734	330	7550	19.65 ng	0.00
Spiked Amount 100.000			Recovery =	19.65%	
90) Terphenyl-d14	11.226	244	38603	9.58 ng	0.00
Spiked Amount 50.000			Recovery =	19.16%	
Target Compounds					Qvalue
8) Pyridine	2.743	79	37222	19.06 ng	98
9) N-Nitrosodimethylamine	2.674	74	21066	19.14 ng	86
11) Benzaldehyde	5.225	77	29677	20.80 ng	74
12) Aniline	5.321	93	53277	20.72 ng	77
13) Pentachloroethane	5.359	117	18567	19.42 ng	85
14) bis(2-Chloroethyl)ether	5.385	93	36694	19.98 ng	87
16) Phenol	5.337	94	52474	20.30 ng	89
17) 2-Chlorophenol	5.434	128	38251	19.36 ng	82
18) N-Decane	5.476	57	66897	20.48 ng	97
19) 1,3-Dichlorobenzene	5.557	146	43445	20.01 ng	99
20) 1,4-Dichlorobenzene	5.621	146	44254	19.62 ng	97
21) 1,2-Dichlorobenzene	5.744	146	41079	19.78 ng	97
22) Benzyl alcohol	5.722	108	26329	20.16 ng	70
23) bis(2-chloroisopropyl)...	5.835	45	70146	20.77 ng	92
24) 2-Methylphenol	5.829	108	35855	19.93 ng	97
25) Acetophenone	5.936	105	51283	20.28 ng	61
26) Hexachloroethane	6.022	117	16075	19.40 ng	80
27) N-Nitroso-di-n-propyla...	5.936	70	26931	20.39 ng	95
28) 3&4-Methylphenol	5.958	108	37663	20.01 ng	96
31) Nitrobenzene	6.070	77	37564	19.91 ng	81
32) Isophorone	6.263	82	71274	20.16 ng	83
33) 2-Nitrophenol	6.322	139	19482	19.39 ng	89
34) 2,4-Dimethylphenol	6.364	107	38657	20.55 ng	92
35) Benzoic Acid	6.423	105	11042	15.94 ng	84
36) bis(2-Chloroethoxy)met...	6.428	93	43350	20.04 ng	98
37) 2,4-Dichlorophenol	6.519	162	30163	19.74 ng	85
38) 1,2,4-Trichlorobenzene	6.573	180	34206	19.82 ng	97
39) Naphthalene	6.632	128	115408	20.50 ng	99
40) 4-Chloroaniline	6.669	127	44526	18.38 ng	100
41) Hexachlorobutadiene	6.723	225	15916	20.06 ng	97
42) Caprolactam	6.921	113	14072	19.95 ng	65
43) 4-Chloro-3-methylphenol	7.038	107	32063	19.77 ng	81
44) 2-Methylnaphthalene	7.156	142	76145	20.03 ng	96
45) Methylnaphthalenes (To...	7.156	142	76145	20.03 ng	96
46) 1,1'-Biphenyl	7.520	154	118769	20.59 ng	95
48) 1,2,4,5-Tetrachloroben...	7.284	216	30426	20.69 ng	96
49) Hexachlorocyclopentadiene	7.274	237	11047	17.22 ng	98
50) 2,4,6-Trichlorophenol	7.375	196	20835	19.97 ng	99
51) 2,4,5-Trichlorophenol	7.413	196	22178	19.88 ng	96
53) 2-Chloronaphthalene	7.541	162	68891	20.52 ng	91
54) 1,4-Dimethylnaphthalene	7.814	156	81892	21.35 ng	89
55) Dimethylnaphthalenes (...	7.814	156	81892	21.35 ng	89
56) Diphenyl Ether	7.605	170	47936	20.33 ng	78
57) 2-Nitroaniline	7.616	65	25643	19.64 ng	69
58) Acenaphthylene	7.889	152	116888	20.21 ng	99
59) Dimethylphthalate	7.760	163	77213	20.24 ng	99
60) 2,6-Dinitrotoluene	7.819	165	16136	20.19 ng	65
61) Acenaphthene	8.038	153	71802	20.15 ng	97
62) 3-Nitroaniline	7.964	138	19983	17.87 ng	72
63) 2,4-Dinitrophenol	8.054	184	5108	15.70 ng	47
64) Dibenzofuran	8.188	168	96029	20.01 ng	89
65) 2,4-Dinitrotoluene	8.167	165	20689	18.08 ng	66

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@20PPM
Data File: 10M10011.D
Acq On : 02/17/10 10:19

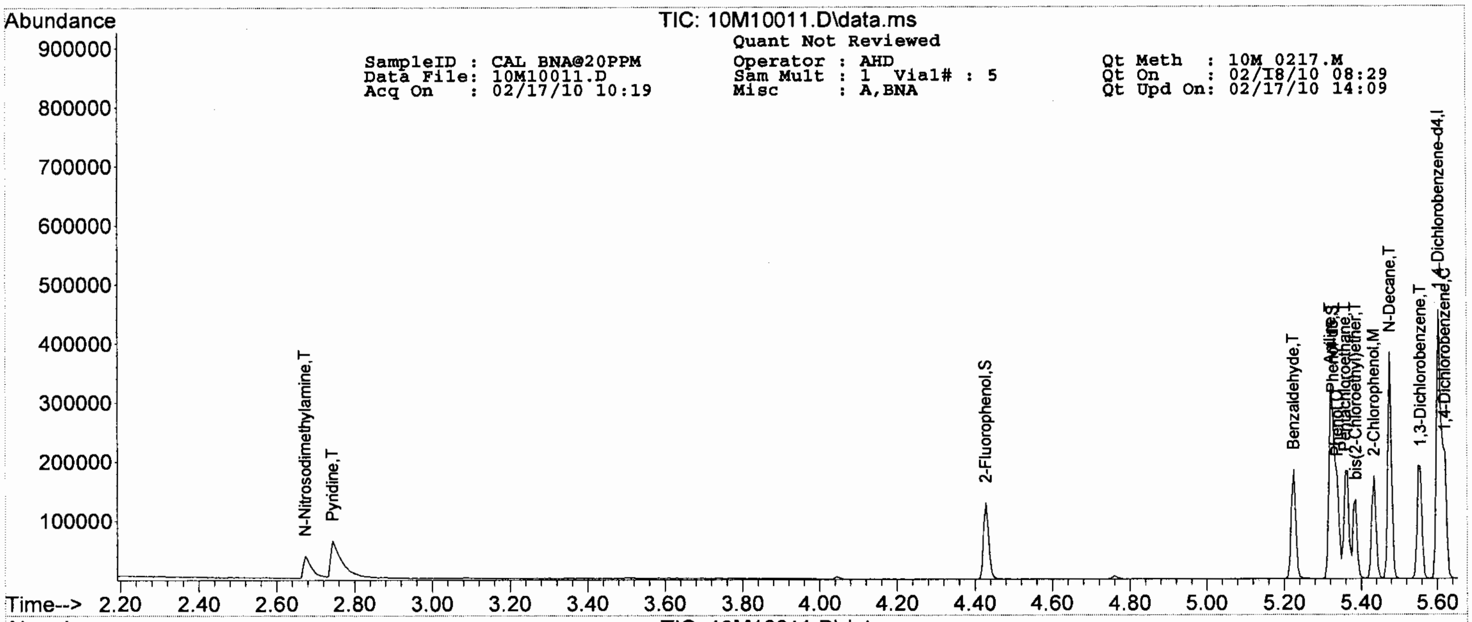
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

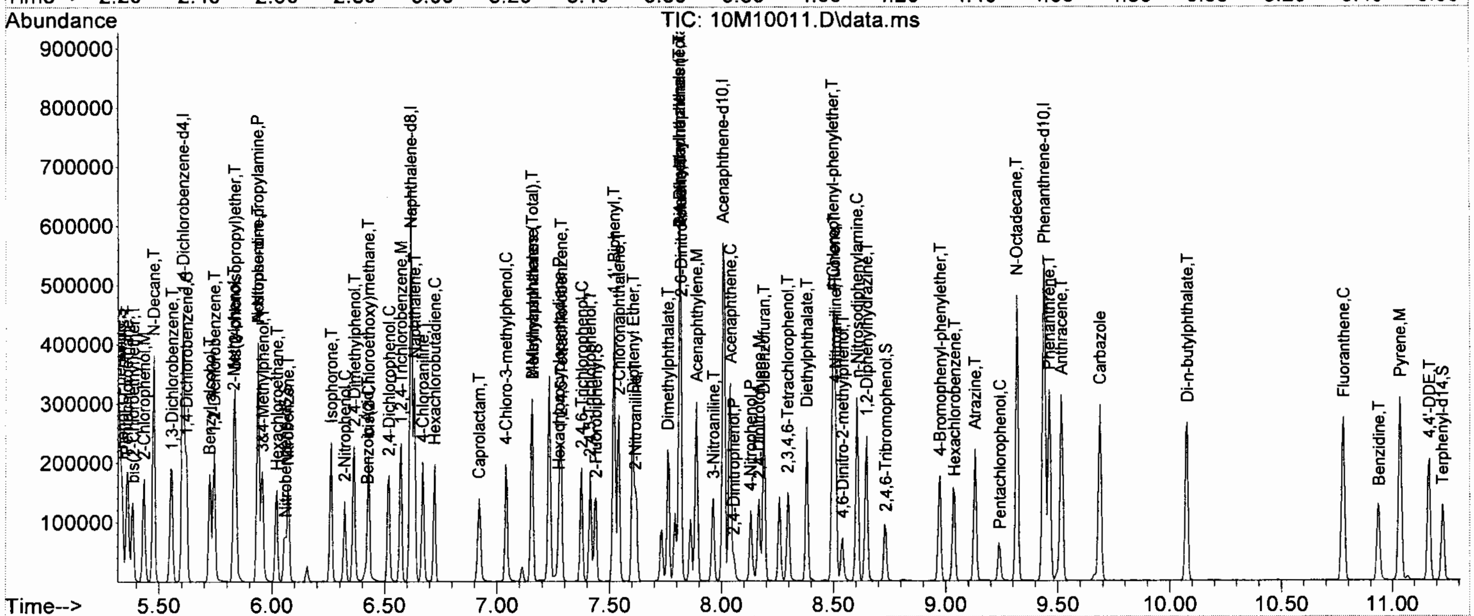
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

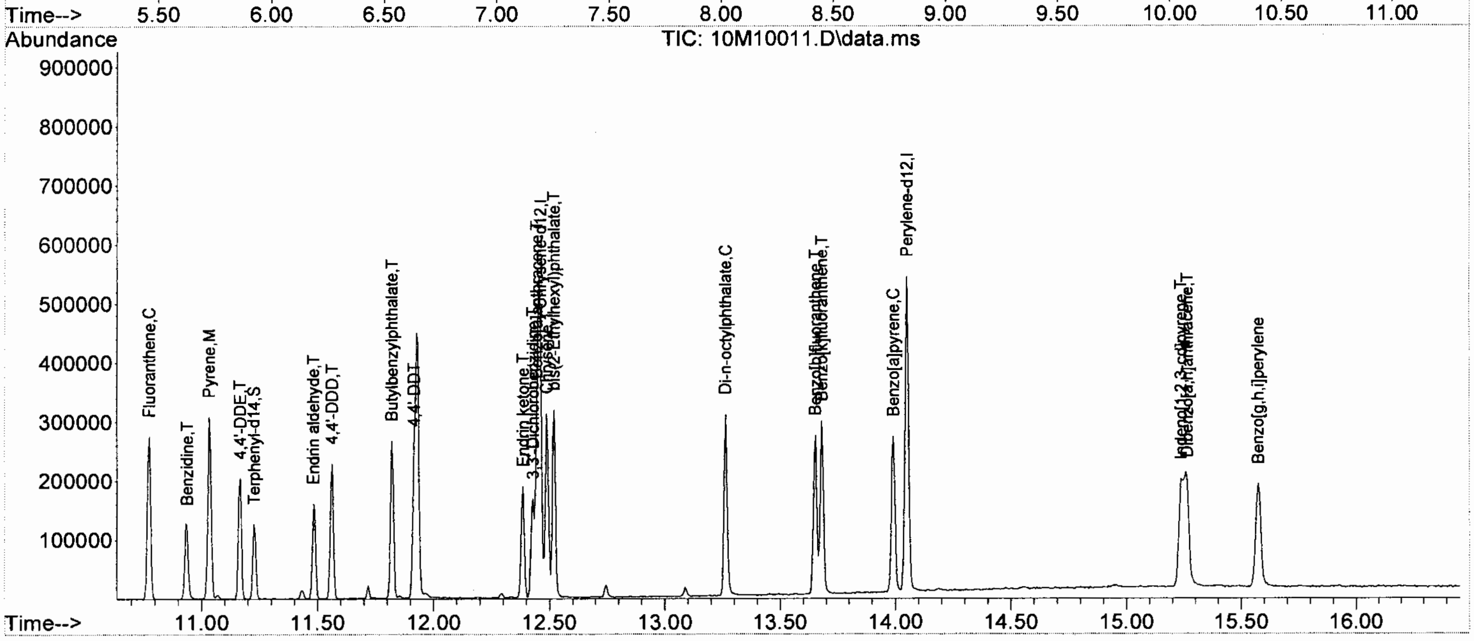
Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	8.129	65	14966	18.80 ng	95
67) 2,3,4,6-Tetrachlorophenol	8.295	232	15970	19.22 ng	88
68) Fluorene	8.504	166	80964	20.87 ng	97
69) 4-Chlorophenyl-phenyle...	8.498	204	34051	20.33 ng	87
70) Diethylphthalate	8.381	149	80625	20.17 ng	97
71) 4-Nitroaniline	8.509	138	23126	20.26 ng	73
72) Atrazine	9.130	200	20773	20.08 ng	100
74) 4,6-Dinitro-2-methylph...	8.541	198	8253	16.45 ng	67
75) n-Nitrosodiphenylamine	8.605	169	67247	19.96 ng	98
77) 1,2-Diphenylhydrazine	8.648	77	82269	20.17 ng	80
78) 4-Bromophenyl-phenylether	8.974	248	18705	20.31 ng	92
79) Hexachlorobenzene	9.039	284	17727	20.24 ng	73
80) N-Octadecane	9.317	57	86814	19.09 ng	97
81) Pentachlorophenol	9.242	266	6823	16.49 ng	99
82) Phenanthrene	9.461	178	119286	20.18 ng	97
83) Anthracene	9.515	178	121553	20.34 ng	99
84) Carbazole	9.686	167	116442	20.28 ng	97
85) Di-n-butylphthalate	10.076	149	138697	20.00 ng	97
86) Fluoranthene	10.777	202	116740	20.17 ng	93
88) Pyrene	11.034	202	126960	19.63 ng	95
89) Benzidine	10.937	184	54112	19.84 ng	86
91) 4,4'-DDE	11.167	246	22079	19.38 ng	95
92) Endrin	11.483	81	6545	19.17 ng	74
93) 4,4'-DDD	11.563	235	39578	19.54 ng	88
94) Butylbenzylphthalate	11.820	149	63453	19.18 ng	76
95) Endrin aldehyde	11.483	67	3355	20.16 ng	61
96) 4,4'-DDT	11.916	235	33429	18.94 ng	95
97) Endrin ketone	12.387	317	4280	19.80 ng	99
98) 3,3'-Dichlorobenzidine	12.430	252	33491	19.02 ng	99
99) Benzo[a]anthracene	12.446	228	107361	19.24 ng	99
100) Chrysene	12.488	228	105852	19.93 ng	99
101) bis(2-Ethylhexyl)phtha...	12.521	149	88349	19.15 ng	97
103) Di-n-octylphthalate	13.264	149	154364	18.94 ng	98
104) Benzo[b]fluoranthene	13.654	252	100398	18.93 ng	97
105) Benzo[k]fluoranthene	13.681	252	108047	20.59 ng	98
106) Benzo[a]pyrene	13.991	252	101042	19.81 ng	97
107) Indeno[1,2,3-cd]pyrene	15.238	276	106855	19.76 ng	93
108) Dibenzo[a,h]anthracene	15.264	278	88434	19.89 ng	99
109) Benzo[g,h,i]perylene	15.575	276	91867	19.92 ng	96

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


Abundance
TIC: 10M10011.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M10011.D
Acq On : 02/17/10 10:19
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->
900000
800000
700000
600000
500000
400000
300000
200000
100000
2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60


Abundance
TIC: 10M10011.D\data.ms
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Isophorone,T
2-Nitrophenol,C
Naphthalene-d8,I
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
3-Nitroaniline,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,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
Time-->
900000
800000
700000
600000
500000
400000
300000
200000
100000
5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00


Abundance
TIC: 10M10011.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
900000
800000
700000
600000
500000
400000
300000
200000
100000
11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 10M10012.D
Acq On : 02/17/10 10:41

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	54880	40.00 ng	0.00
29) Naphthalene-d8	6.615	136	214395	40.00 ng	0.00
47) Acenaphthene-d10	8.011	164	115020	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	189084	40.00 ng	0.00
87) Chrysene-d12	12.467	240	149103	40.00 ng	0.00
102) Perylene-d12	14.055	264	163003	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.428	112	145336	82.89 ng	0.00
Spiked Amount 100.000			Recovery =	82.89%	
15) Phenol-d5	5.321	99	180582	82.75 ng	0.00
Spiked Amount 100.000			Recovery =	82.75%	
30) Nitrobenzene-d5	6.059	128	37878	41.11 ng	0.00
Spiked Amount 50.000			Recovery =	82.22%	
52) 2-Fluorobiphenyl	7.439	172	148730	39.75 ng	0.00
Spiked Amount 50.000			Recovery =	79.50%	
76) 2,4,6-Tribromophenol	8.733	330	30425	82.74 ng	0.00
Spiked Amount 100.000			Recovery =	82.74%	
90) Terphenyl-d14	11.231	244	152338	39.74 ng	0.00
Spiked Amount 50.000			Recovery =	79.48%	
Target Compounds					Qvalue
8) Pyridine	2.732	79	152273	82.24 ng	97
9) N-Nitrosodimethylamine	2.674	74	88122	84.43 ng	90
11) Benzaldehyde	5.225	77	69197	68.83 ng	69
12) Aniline	5.321	93	206182	84.56 ng	76
13) Pentachloroethane	5.364	117	74164	81.79 ng	86
14) bis(2-Chloroethyl)ether	5.385	93	140643	80.76 ng	92
16) Phenol	5.332	94	202756	82.71 ng	96
17) 2-Chlorophenol	5.433	128	153268	81.82 ng	84
18) N-Decane	5.476	57	255290	82.40 ng	98
19) 1,3-Dichlorobenzene	5.556	146	170195	82.66 ng	98
20) 1,4-Dichlorobenzene	5.621	146	174561	81.62 ng	96
21) 1,2-Dichlorobenzene	5.744	146	161570	82.02 ng	96
22) Benzyl alcohol	5.728	108	102536	82.78 ng	67
23) bis(2-chloroisopropyl)...	5.840	45	264907	82.73 ng	92
24) 2-Methylphenol	5.835	108	140109	82.15 ng	95
25) Acetophenone	5.942	105	192768	80.40 ng	59
26) Hexachloroethane	6.022	117	65944	83.95 ng	87
27) N-Nitroso-di-n-propyla...	5.942	70	102850	82.13 ng	87
28) 3&4-Methylphenol	5.958	108	149320	83.65 ng	99
31) Nitrobenzene	6.075	77	148069	81.43 ng	78
32) Isophorone	6.262	82	275578	80.88 ng	85
33) 2-Nitrophenol	6.327	139	80095	82.73 ng	84
34) 2,4-Dimethylphenol	6.364	107	146517	80.83 ng	92
35) Benzoic Acid	6.450	105	73389m	81.52 ng	
36) bis(2-Chloroethoxy)met...	6.428	93	167112	80.16 ng	98
37) 2,4-Dichlorophenol	6.519	162	120363	81.72 ng	87
38) 1,2,4-Trichlorobenzene	6.573	180	135174	81.28 ng	97
39) Naphthalene	6.632	128	439503	81.01 ng	100
40) 4-Chloroaniline	6.669	127	165262	81.42 ng	99
41) Hexachlorobutadiene	6.722	225	61215	80.04 ng	96
42) Caprolactam	6.952	113	56152	82.62 ng	67
43) 4-Chloro-3-methylphenol	7.043	107	126691	81.05 ng	79
44) 2-Methylnaphthalene	7.156	142	297845	81.28 ng	97
45) Methylnaphthalenes (To...	7.156	142	297845	81.28 ng	97
46) 1,1'-Biphenyl	7.519	154	446627	80.35 ng	95
48) 1,2,4,5-Tetrachloroben...	7.284	216	115331	80.77 ng	97
49) Hexachlorocyclopentadiene	7.273	237	55746	83.16 ng	100
50) 2,4,6-Trichlorophenol	7.375	196	82304	81.22 ng	99
51) 2,4,5-Trichlorophenol	7.418	196	86108	79.49 ng	99
53) 2-Chloronaphthalene	7.541	162	257515	78.98 ng	93
54) 1,4-Dimethylnaphthalene	7.819	156	302390	81.20 ng	89
55) Dimethylnaphthalenes (...	7.819	156	302390	81.20 ng	89
56) Diphenyl Ether	7.605	170	183245	80.04 ng	81
57) 2-Nitroaniline	7.621	65	103839	81.89 ng	68
58) Acenaphthylene	7.894	152	454650	80.96 ng	99
59) Dimethylphthalate	7.771	163	297164	80.20 ng	98
60) 2,6-Dinitrotoluene	7.819	165	65450	84.32 ng	71
61) Acenaphthene	8.038	153	276227	79.81 ng	97
62) 3-Nitroaniline	7.969	138	82458	81.62 ng	68
63) 2,4-Dinitrophenol	8.060	184	31193	82.08 ng	37
64) Dibenzofuran	8.193	168	375030	80.45 ng	87
65) 2,4-Dinitrotoluene	8.172	165	89140	80.20 ng	66

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 10M10012.D
Acq On : 02/17/10 10:41

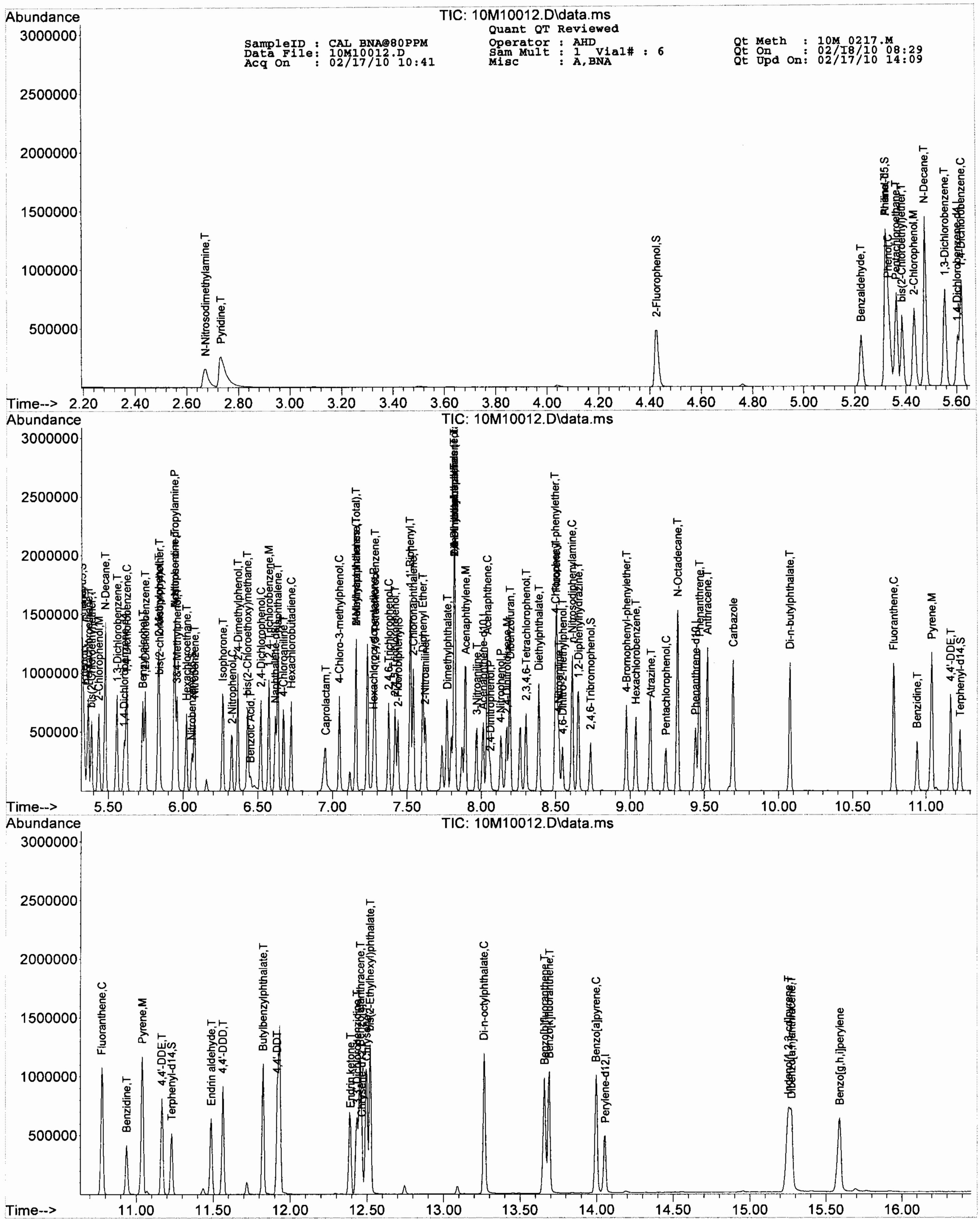
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.129	65	63358	80.59 ng	97
67)	2,3,4,6-Tetrachlorophenol	8.300	232	64227	79.59 ng	87
68)	Fluorene	8.504	166	304711	80.88 ng	99
69)	4-Chlorophenyl-phenyle...	8.498	204	130342	80.14 ng	89
70)	Diethylphthalate	8.386	149	309657	79.77 ng	97
71)	4-Nitroaniline	8.520	138	93344	84.21 ng	69
72)	Atrazine	9.140	200	82390	82.02 ng	97
74)	4,6-Dinitro-2-methylph...	8.546	198	45077	83.46 ng	59
75)	n-Nitrosodiphenylamine	8.610	169	264027	81.86 ng	98
77)	1,2-Diphenylhydrazine	8.653	77	314824	80.63 ng	80
78)	4-Bromophenyl-phenylether	8.974	248	69977	79.39 ng	96
79)	Hexachlorobenzene	9.038	284	66410	79.24 ng	81
80)	N-Octadecane	9.322	57	328583	81.39 ng	97
81)	Pentachlorophenol	9.242	266	36617	82.31 ng	97
82)	Phenanthrene	9.466	178	457433	80.84 ng	99
83)	Anthracene	9.520	178	464052	81.11 ng	99
84)	Carbazole	9.691	167	452745	82.38 ng	97
85)	Di-n-butylphthalate	10.076	149	547077	82.43 ng	97
86)	Fluoranthene	10.777	202	454550	82.06 ng	99
88)	Pyrene	11.039	202	494885	80.48 ng	94
89)	Benzidine	10.937	184	158840	79.99 ng	88
91)	4,4'-DDE	11.167	246	87379	80.66 ng	94
92)	Endrin	11.488	81	25514	78.57 ng	69
93)	4,4'-DDD	11.563	235	154542	80.24 ng	90
94)	Butylbenzylphthalate	11.825	149	254092	80.74 ng	73
95)	Endrin aldehyde	11.488	67	12337	77.97 ng	63
96)	4,4'-DDT	11.916	235	140454	83.70 ng	94
97)	Endrin ketone	12.392	317	16798	81.72 ng	99
98)	3,3'-Dichlorobenzidine	12.435	252	123455	79.70 ng	96
99)	Benzo[a]anthracene	12.456	228	419390	79.01 ng	100
100)	Chrysene	12.499	228	403769	79.96 ng	98
101)	bis(2-Ethylhexyl)phtha...	12.520	149	357156	81.40 ng	95
103)	Di-n-octylphthalate	13.264	149	624515	81.00 ng	100
104)	Benzo[b]fluoranthene	13.660	252	413411	82.41 ng	98
105)	Benzo[k]fluoranthene	13.692	252	380113	76.60 ng	96
106)	Benzo[a]pyrene	13.997	252	387699	80.36 ng	98
107)	Indeno[1,2,3-cd]pyrene	15.254	276	413395	80.82 ng	95
108)	Dibenzo[a,h]anthracene	15.275	278	339610	80.75 ng	99
109)	Benzo[g,h,i]perylene	15.590	276	347712	79.71 ng	95

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


TIC: 10M10012.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M10012.D
Acq On : 02/17/10 10:41
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:29
Qt Upd On: 02/17/10 14:09
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
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
Butylbenzylphthalate,T
4,4'-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
Data File: 10M10013.D
Acq On : 02/17/10 11:03

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.605	152	56198	40.00	ng	0.00
29) Naphthalene-d8	6.616	136	222586	40.00	ng	0.00
47) Acenaphthene-d10	8.012	164	116456	40.00	ng	0.00
73) Phenanthrene-d10	9.440	188	193235	40.00	ng	0.00
87) Chrysene-d12	12.467	240	147890	40.00	ng	0.00
102) Perylene-d12	14.056	264	165876	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.423	112	221517	123.37	ng	0.00
Spiked Amount 100.000			Recovery =	123.37%		
15) Phenol-d5	5.321	99	267956	119.91	ng	0.00
Spiked Amount 100.000			Recovery =	119.91%		
30) Nitrobenzene-d5	6.059	128	56801	59.39	ng	0.00
Spiked Amount 50.000			Recovery =	118.78%		
52) 2-Fluorobiphenyl	7.439	172	224679	59.30	ng	0.00
Spiked Amount 50.000			Recovery =	118.60%		
76) 2,4,6-Tribromophenol	8.739	330	45921	122.19	ng	0.00
Spiked Amount 100.000			Recovery =	122.19%		
90) Terphenyl-d14	11.231	244	232455	61.13	ng	0.00
Spiked Amount 50.000			Recovery =	122.26%		
Target Compounds						Qvalue
8) Pyridine	2.727	79	230162	121.39	ng	97
9) N-Nitrosodimethylamine	2.668	74	134601	125.93	ng	90
11) Benzaldehyde	5.225	77	67205	62.39	ng	71
12) Aniline	5.327	93	306439	122.73	ng	76
13) Pentachloroethane	5.364	117	109206	117.62	ng	84
14) bis(2-Chloroethyl)ether	5.391	93	209834	117.66	ng	87
16) Phenol	5.332	94	299281	119.22	ng	87
17) 2-Chlorophenol	5.434	128	231246	120.56	ng	86
18) N-Decane	5.476	57	366298	115.46	ng	98
19) 1,3-Dichlorobenzene	5.557	146	251434	119.25	ng	98
20) 1,4-Dichlorobenzene	5.621	146	258986	118.26	ng	97
21) 1,2-Dichlorobenzene	5.744	146	239778	118.87	ng	98
22) Benzyl alcohol	5.728	108	155404	122.52	ng	67
23) bis(2-chloroisopropyl)...	5.840	45	374493	114.21	ng	94
24) 2-Methylphenol	5.835	108	206963	118.50	ng	93
25) Acetophenone	5.942	105	285678	116.35	ng	62
26) Hexachloroethane	6.022	117	96511	119.98	ng	86
27) N-Nitroso-di-n-propyla...	5.947	70	150923	117.70	ng	83
28) 3&4-Methylphenol	5.958	108	220601	120.69	ng	99
31) Nitrobenzene	6.075	77	222072	117.63	ng	80
32) Isophorone	6.268	82	412232	116.54	ng	83
33) 2-Nitrophenol	6.327	139	123413	122.78	ng	84
34) 2,4-Dimethylphenol	6.364	107	219934	116.86	ng	91
35) Benzoic Acid	6.460	105	133948m	123.13	ng	
36) bis(2-Chloroethoxy)met...	6.434	93	254035	117.37	ng	96
37) 2,4-Dichlorophenol	6.519	162	184476	120.64	ng	87
38) 1,2,4-Trichlorobenzene	6.573	180	201550	116.74	ng	97
39) Naphthalene	6.632	128	650322	115.46	ng	99
40) 4-Chloroaniline	6.674	127	224050	115.78	ng	100
41) Hexachlorobutadiene	6.723	225	92878	116.98	ng	95
42) Caprolactam	6.963	113	86103	122.03	ng	67
43) 4-Chloro-3-methylphenol	7.049	107	193780	119.40	ng	74
44) 2-Methylnaphthalene	7.156	142	435324	114.43	ng	98
45) Methylnaphthalenes (To...	7.156	142	435324	114.43	ng	98
46) 1,1'-Biphenyl	7.525	154	659264	114.24	ng	94
48) 1,2,4,5-Tetrachloroben...	7.284	216	170080	117.64	ng	99
49) Hexachlorocyclopentadiene	7.273	237	87742	123.87	ng	97
50) 2,4,6-Trichlorophenol	7.375	196	123399	120.28	ng	99
51) 2,4,5-Trichlorophenol	7.423	196	133475	121.69	ng	99
53) 2-Chloronaphthalene	7.541	162	388646	117.73	ng	94
54) 1,4-Dimethylnaphthalene	7.819	156	437663	116.07	ng	92
55) Dimethylnaphthalenes (...	7.819	156	437663	116.07	ng	92
56) Diphenyl Ether	7.605	170	272499	117.55	ng	82
57) 2-Nitroaniline	7.626	65	158608	123.54	ng	57
58) Acenaphthylene	7.894	152	681328	119.83	ng	100
59) Dimethylphthalate	7.771	163	446533	119.03	ng	98
60) 2,6-Dinitrotoluene	7.824	165	96030	122.19	ng	63
61) Acenaphthene	8.038	153	409751	116.93	ng	97
62) 3-Nitroaniline	7.969	138	117628	120.51	ng	70
63) 2,4-Dinitrophenol	8.060	184	53130	124.61	ng	45
64) Dibenzofuran	8.193	168	561918	119.06	ng	88
65) 2,4-Dinitrotoluene	8.172	165	136994	121.74	ng	69

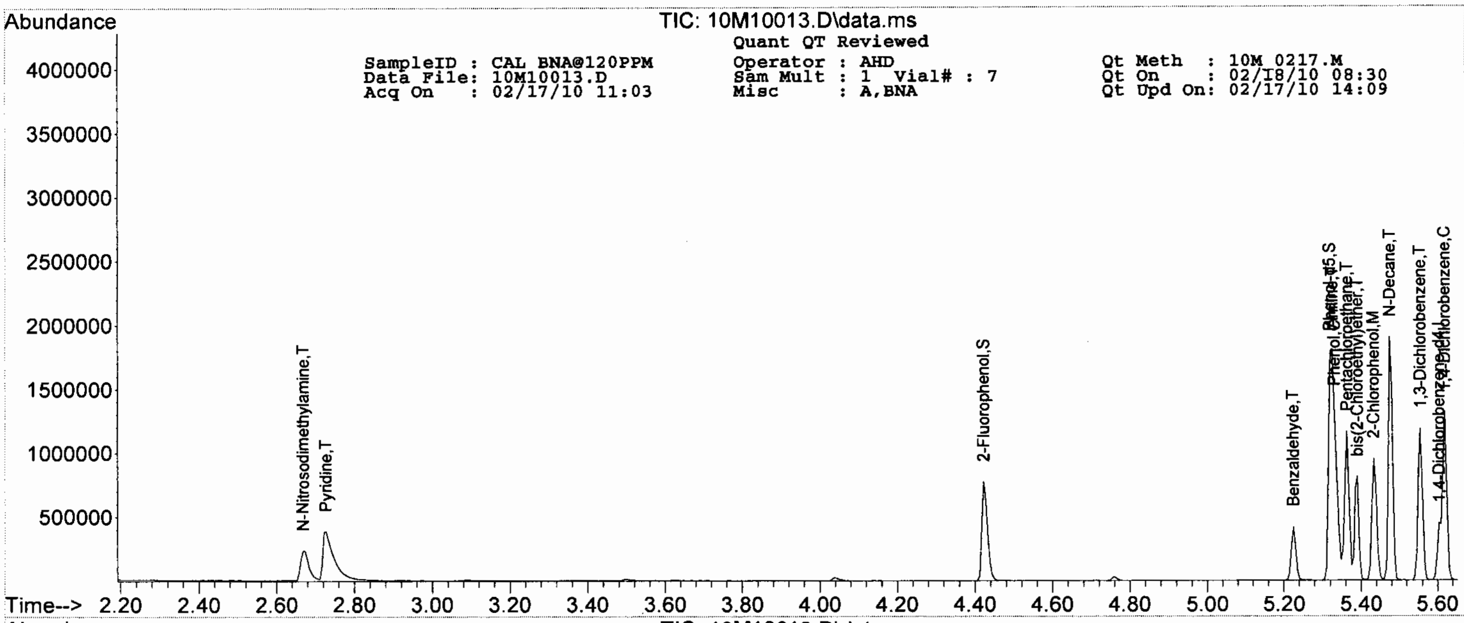
Quantitation Report (QT Reviewed)

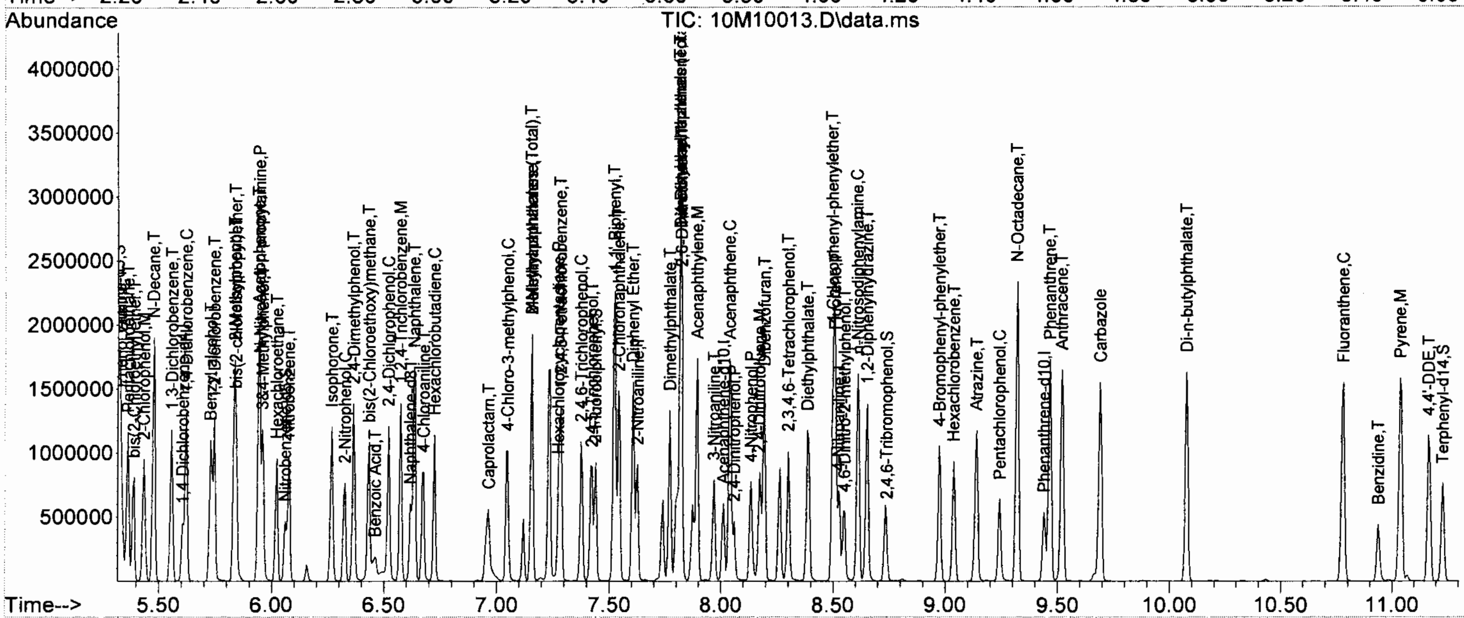
SampleID : CAL BNA@120PPM   Operator : AHD   Qt Meth : 10M_0217.M
Data File: 10M10013.D   Sam Mult : 1 Vial# : 7   Qt On : 02/18/10 08:30
Acq On : 02/17/10 11:03   Misc : A,BNA   Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.135	65	97681	121.37 ng	99
67)	2,3,4,6-Tetrachlorophenol	8.300	232	100356	122.82 ng	90
68)	Fluorene	8.509	166	444477	116.53 ng	100
69)	4-Chlorophenyl-phenyle...	8.498	204	193020	117.21 ng	91
70)	Diethylphthalate	8.386	149	463387	117.90 ng	97
71)	4-Nitroaniline	8.525	138	136808	121.90 ng	73
72)	Atrazine	9.140	200	123388	121.32 ng	99
74)	4,6-Dinitro-2-methylph...	8.552	198	71767	122.19 ng	63
75)	n-Nitrosodiphenylamine	8.611	169	390403	118.44 ng	98
77)	1,2-Diphenylhydrazine	8.653	77	473615	118.69 ng	81
78)	4-Bromophenyl-phenylether	8.974	248	105412	117.02 ng	96
79)	Hexachlorobenzene	9.039	284	99246	115.87 ng	85
80)	N-Octadecane	9.322	57	471273	120.04 ng	97
81)	Pentachlorophenol	9.242	266	61277	125.69 ng	98
82)	Phenanthrene	9.466	178	675111	116.75 ng	99
83)	Anthracene	9.520	178	680051	116.32 ng	99
84)	Carbazole	9.691	167	666630	118.70 ng	98
85)	Di-n-butylphthalate	10.076	149	828015	122.09 ng	97
86)	Fluoranthene	10.782	202	677944	119.76 ng	95
88)	Pyrene	11.039	202	728612	119.46 ng	95
89)	Benzidine	10.937	184	171287	93.28 ng	87
91)	4,4'-DDE	11.167	246	129881	120.87 ng	93
92)	Endrin	11.488	81	38320	118.97 ng	71
93)	4,4'-DDD	11.563	235	232379	121.65 ng	89
94)	Butylbenzylphthalate	11.825	149	382698	122.61 ng	73
95)	Endrin aldehyde	11.488	67	17869	113.86 ng	65
96)	4,4'-DDT	11.921	235	208349	125.18 ng	95
97)	Endrin ketone	12.392	317	25387	124.52 ng	99
98)	3,3'-Dichlorobenzidine	12.435	252	169136	116.28 ng	98
99)	Benzo[a]anthracene	12.456	228	628116	119.31 ng	99
100)	Chrysene	12.499	228	590885	117.97 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.520	149	526645	121.01 ng	97
103)	Di-n-octylphthalate	13.269	149	932942	118.91 ng	99
104)	Benzo[b]fluoranthene	13.665	252	589024	115.38 ng	98
105)	Benzo[k]fluoranthene	13.697	252	600266	118.87 ng	96
106)	Benzo[a]pyrene	14.002	252	588902	119.95 ng	97
107)	Indeno[1,2,3-cd]pyrene	15.259	276	622616	119.61 ng	73
108)	Dibenzo[a,h]anthracene	15.280	278	516864	120.77 ng	100
109)	Benzo[g,h,i]perylene	15.596	276	529838	119.36 ng	94

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


Abundance
TIC: 10M10013.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M10013.D
Acq On : 02/17/10 11:03
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
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
1,4-Dichlorobenzene,C
Time-->
2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60


Abundance
TIC: 10M10013.D\data.ms
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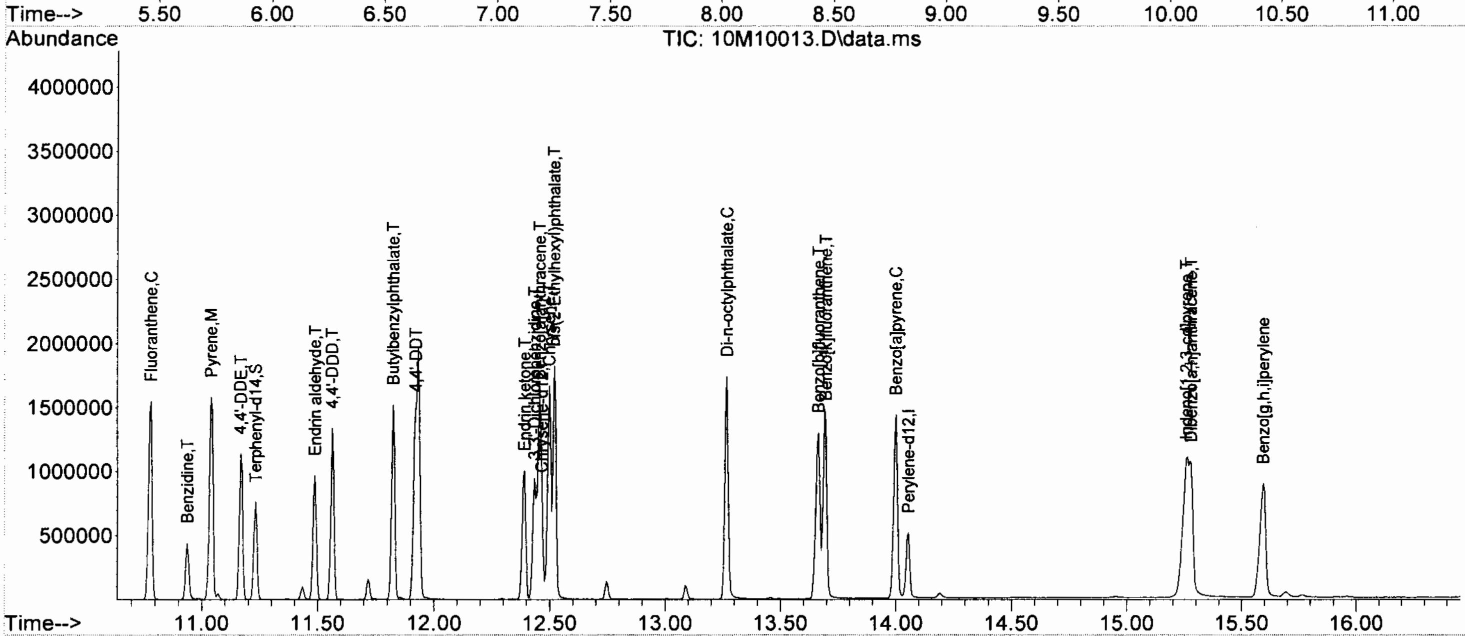
3500000
3000000
2500000
2000000
1500000
1000000
500000
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
1,1'-Biphenyl,T
2-Nitroaniline,T
Diphenyl Ether,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
n-Nitrosodiphenylamine,C
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
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00


Abundance
TIC: 10M10013.D\data.ms
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
Fluoranthene,C
Benzidine,T
Pyrene,M
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[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM
Data File: 10M10014.D
Acq On : 02/17/10 11:25

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	56657	40.00 ng	0.00
29) Naphthalene-d8	6.621	136	217528	40.00 ng	0.00
47) Acenaphthene-d10	8.011	164	117652	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	195524	40.00 ng	0.00
87) Chrysene-d12	12.467	240	146169	40.00 ng	0.00
102) Perylene-d12	14.055	264	163266	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.423	112	290103	160.26 ng	0.00
Spiked Amount 100.000			Recovery =	160.26%	
15) Phenol-d5	5.321	99	337717	149.90 ng	0.00
Spiked Amount 100.000			Recovery =	149.90%	
30) Nitrobenzene-d5	6.065	128	75365	80.63 ng	0.00
Spiked Amount 50.000			Recovery =	161.26%	
52) 2-Fluorobiphenyl	7.439	172	296837	77.55 ng	0.00
Spiked Amount 50.000			Recovery =	155.10%	
76) 2,4,6-Tribromophenol	8.739	330	61700	162.26 ng	0.00
Spiked Amount 100.000			Recovery =	162.26%	
90) Terphenyl-d14	11.231	244	296696	78.95 ng	0.00
Spiked Amount 50.000			Recovery =	157.90%	
Target Compounds					Qvalue
8) Pyridine	2.722	79	304889	159.50 ng	98
9) N-Nitrosodimethylamine	2.674	74	177200	164.45 ng	90
11) Benzaldehyde	5.225	77	66062	59.74 ng	70
12) Aniline	5.326	93	382892	152.11 ng	77
13) Pentachloroethane	5.364	117	141882	151.57 ng	86
14) bis(2-Chloroethyl)ether	5.391	93	270541	150.48 ng	90
16) Phenol	5.337	94	380604	150.39 ng	96
17) 2-Chlorophenol	5.433	128	304362	157.39 ng	85
18) N-Decane	5.482	57	468558	146.50 ng	97
19) 1,3-Dichlorobenzene	5.556	146	324032	152.44 ng	97
20) 1,4-Dichlorobenzene	5.621	146	335399	151.91 ng	97
21) 1,2-Dichlorobenzene	5.744	146	314553	154.68 ng	98
22) Benzyl alcohol	5.733	108	201341	157.45 ng	66
23) bis(2-chloroisopropyl)...	5.840	45	475903	143.97 ng	95
24) 2-Methylphenol	5.835	108	268995	152.76 ng	94
25) Acetophenone	5.942	105	369051	149.09 ng	63
26) Hexachloroethane	6.022	117	126697	156.23 ng	86
27) N-Nitroso-di-n-propyla...	5.947	70	194749	150.64 ng	83
28) 3&4-Methylphenol	5.963	108	285926	155.16 ng	97
31) Nitrobenzene	6.081	77	288349	156.29 ng	74
32) Isophorone	6.268	82	539243	155.99 ng	84
33) 2-Nitrophenol	6.327	139	164530	167.49 ng	87
34) 2,4-Dimethylphenol	6.369	107	286823	155.95 ng	91
35) Benzoic Acid	6.471	105	192203m	160.50 ng	
36) bis(2-Chloroethoxy)met...	6.434	93	327235	154.70 ng	96
37) 2,4-Dichlorophenol	6.519	162	233487	156.25 ng	90
38) 1,2,4-Trichlorobenzene	6.573	180	260710	154.51 ng	98
39) Naphthalene	6.637	128	825396	149.95 ng	100
40) 4-Chloroaniline	6.674	127	270235	162.60 ng	100
41) Hexachlorobutadiene	6.722	225	120146	154.84 ng	96
42) Caprolactam	6.974	113	114224	165.64 ng	66
43) 4-Chloro-3-methylphenol	7.049	107	252348	159.11 ng	79
44) 2-Methylnaphthalene	7.156	142	573093	154.15 ng	98
45) Methylnaphthalenes (To...	7.156	142	573093	154.15 ng	98
46) 1,1'-Biphenyl	7.525	154	841489	149.21 ng	95
48) 1,2,4,5-Tetrachloroben...	7.289	216	220291	150.82 ng	96
49) Hexachlorocyclopentadiene	7.279	237	117627	158.70 ng	98
50) 2,4,6-Trichlorophenol	7.380	196	163544	157.79 ng	98
51) 2,4,5-Trichlorophenol	7.423	196	179197	161.71 ng	98
53) 2-Chloronaphthalene	7.546	162	503843	151.08 ng	92
54) 1,4-Dimethylnaphthalene	7.819	156	542779	142.49 ng	94
55) Dimethylnaphthalenes (...	7.819	156	542779	142.49 ng	94
56) Diphenyl Ether	7.605	170	353785	151.07 ng	83
57) 2-Nitroaniline	7.626	65	205453	158.40 ng	60
58) Acenaphthylene	7.894	152	868381	151.17 ng	100
59) Dimethylphthalate	7.776	163	573792	151.40 ng	99
60) 2,6-Dinitrotoluene	7.824	165	120747	152.08 ng	69
61) Acenaphthene	8.044	153	532448	150.39 ng	97
62) 3-Nitroaniline	7.974	138	146177	154.76 ng	69
63) 2,4-Dinitrophenol	8.060	184	74186	159.47 ng	49
64) Dibenzofuran	8.193	168	715528	150.06 ng	89
65) 2,4-Dinitrotoluene	8.177	165	180174	158.48 ng	67

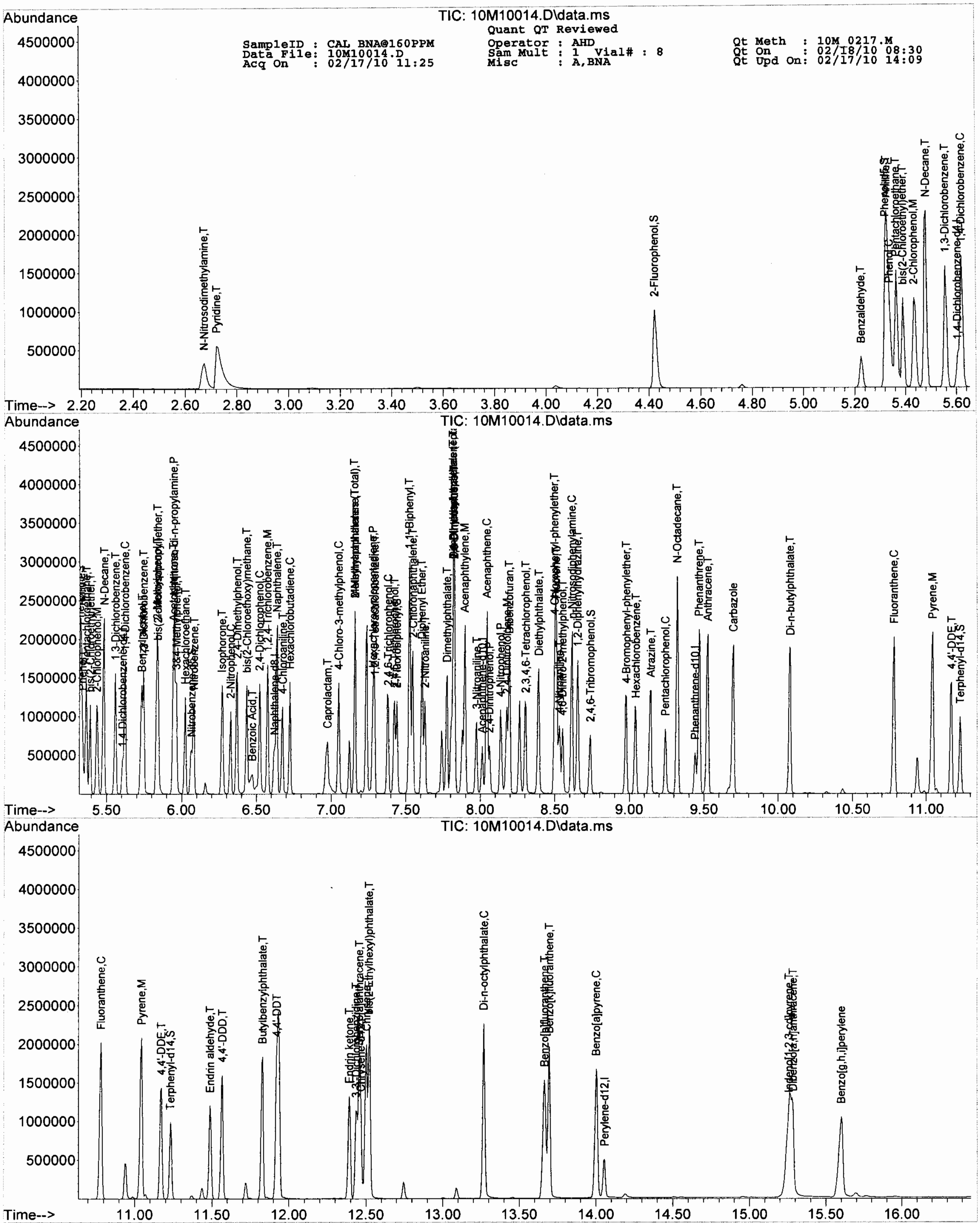
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM   Operator : AHD   Qt Meth : 10M_0217.M
Data File: 10M10014.D   Sam Mult : 1 Vial# : 8   Qt On : 02/18/10 08:30
Acq On : 02/17/10 11:25   Misc : A,BNA   Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.135	65	128926	157.05 ng	98
67)	2,3,4,6-Tetrachlorophenol	8.306	232	129507	156.89 ng	90
68)	Fluorene	8.509	166	577395	149.84 ng	99
69)	4-Chlorophenyl-phenyle...	8.498	204	247141	148.55 ng	94
70)	Diethylphthalate	8.391	149	612564	154.27 ng	97
71)	4-Nitroaniline	8.530	138	182662	161.11 ng	73
72)	Atrazine	9.145	200	159651	155.38 ng	99
74)	4,6-Dinitro-2-methylph...	8.552	198	100737	160.07 ng	52
75)	n-Nitrosodiphenylamine	8.616	169	509259	152.69 ng	99
77)	1,2-Diphenylhydrazine	8.653	77	614842	152.27 ng	82
78)	4-Bromophenyl-phenylether	8.980	248	139188	152.70 ng	89
79)	Hexachlorobenzene	9.044	284	129972	149.97 ng	77
80)	N-Octadecane	9.322	57	586561	154.73 ng	97
81)	Pentachlorophenol	9.242	266	83344	160.33 ng	97
82)	Phenanthrene	9.466	178	870325	148.75 ng	100
83)	Anthracene	9.525	178	884917	149.59 ng	100
84)	Carbazole	9.696	167	856786	150.77 ng	99
85)	Di-n-butylphthalate	10.081	149	1067535	155.56 ng	97
86)	Fluoranthene	10.782	202	876153	152.96 ng	97
88)	Pyrene	11.044	202	949754	157.55 ng	92
91)	4,4'-DDE	11.173	246	165471	155.80 ng	94
92)	Endrin	11.488	81	50680	159.19 ng	73
93)	4,4'-DDD	11.568	235	298667	158.19 ng	89
94)	Butylbenzylphthalate	11.830	149	495919	160.76 ng	69
95)	Endrin aldehyde	11.488	67	23929	154.27 ng	63
96)	4,4'-DDT	11.921	235	275383	167.40 ng	94
97)	Endrin ketone	12.392	317	33565	166.57 ng	98
98)	3,3'-Dichlorobenzidine	12.435	252	208087	153.63 ng	99
99)	Benzo[a]anthracene	12.456	228	804950	154.70 ng	100
100)	Chrysene	12.504	228	769245	155.39 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.520	149	681316	158.39 ng	97
103)	Di-n-octylphthalate	13.269	149	1200779	155.49 ng	100
104)	Benzo[b]fluoranthene	13.665	252	786802	156.58 ng	98
105)	Benzo[k]fluoranthene	13.697	252	708591	142.56 ng	97
106)	Benzo[a]pyrene	14.002	252	744147	153.99 ng	98
107)	Indeno[1,2,3-cd]pyrene	15.259	276	772671	150.81 ng	91
108)	Dibenzo[a,h]anthracene	15.286	278	632672	150.20 ng	99
109)	Benzo[g,h,i]perylene	15.601	276	660509	151.17 ng	94

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


TIC: 10M10014.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M10014.D
Acq On : 02/17/10 11:25
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,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
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

SampleID : CAL BNA@196PPM | Operator : AHD | Qt Meth : 10M_0217.M
Data File: 10M10015.D | Sam Mult : 1 Vial# : 9 | Qt On : 02/18/10 08:30
Acq On : 02/17/10 11:47 | Misc : A,BNA | Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.605	152	55650	40.00 ng	0.00
29) Naphthalene-d8	6.621	136	214286	40.00 ng	0.00
47) Acenaphthene-d10	8.011	164	113792	40.00 ng	0.00
73) Phenanthrene-d10	9.440	188	189620	40.00 ng	0.00
87) Chrysene-d12	12.472	240	141271	40.00 ng	0.01
102) Perylene-d12	14.055	264	157447	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.422	112	357988	201.34 ng	0.00
Spiked Amount 100.000			Recovery =	201.34%	
15) Phenol-d5	5.326	99	409148	184.89 ng	0.00
Spiked Amount 100.000			Recovery =	184.89%	
30) Nitrobenzene-d5	6.065	128	92416	100.36 ng	0.00
Spiked Amount 50.000			Recovery =	200.72%	
52) 2-Fluorobiphenyl	7.439	172	349018	94.28 ng	0.00
Spiked Amount 50.000			Recovery =	188.56%	
76) 2,4,6-Tribromophenol	8.739	330	76848	208.39 ng	0.00
Spiked Amount 100.000			Recovery =	208.39%	
90) Terphenyl-d14	11.237	244	355661	97.92 ng	0.00
Spiked Amount 50.000			Recovery =	195.84%	
Target Compounds					Qvalue
8) Pyridine	2.722	79	373309	198.83 ng	98
9) N-Nitrosodimethylamine	2.673	74	215644	203.74 ng	91
11) Benzaldehyde	5.225	77	71587	71.71 ng	71
12) Aniline	5.326	93	438501	177.35 ng	79
13) Pentachloroethane	5.364	117	172485	187.60 ng	87
14) bis(2-Chloroethyl)ether	5.391	93	328450	185.99 ng	90
16) Phenol	5.337	94	463348	186.39 ng	100
17) 2-Chlorophenol	5.439	128	368197	193.84 ng	82
18) N-Decane	5.482	57	552940	176.01 ng	98
19) 1,3-Dichlorobenzene	5.556	146	400451	191.80 ng	97
20) 1,4-Dichlorobenzene	5.621	146	411555	189.77 ng	96
21) 1,2-Dichlorobenzene	5.744	146	378758	189.62 ng	97
22) Benzyl alcohol	5.733	108	247067	196.70 ng	67
23) bis(2-chloroisopropyl)...	5.840	45	562760	173.32 ng	96
24) 2-Methylphenol	5.835	108	325205	188.03 ng	95
25) Acetophenone	5.947	105	442781	182.11 ng	60
26) Hexachloroethane	6.022	117	153243	192.38 ng	86
27) N-Nitroso-di-n-propyla...	5.952	70	232256	182.91 ng	81
28) 3&4-Methylphenol	5.963	108	346216	191.27 ng	100
31) Nitrobenzene	6.081	77	351424	193.36 ng	78
32) Isophorone	6.273	82	660051	193.82 ng	82
33) 2-Nitrophenol	6.327	139	201071	207.79 ng	89
34) 2,4-Dimethylphenol	6.369	107	350923	193.68 ng	91
35) Benzoic Acid	6.482	105	250871m	193.49 ng	
36) bis(2-Chloroethoxy)met...	6.434	93	396614	190.34 ng	97
37) 2,4-Dichlorophenol	6.524	162	290453	197.31 ng	86
38) 1,2,4-Trichlorobenzene	6.573	180	317300	190.89 ng	98
39) Naphthalene	6.637	128	1006192	185.56 ng	100
40) 4-Chloroaniline	6.674	127	289212	195.80 ng	100
41) Hexachlorobutadiene	6.722	225	145535	190.40 ng	97
42) Caprolactam	6.984	113	138917	204.50 ng	68
43) 4-Chloro-3-methylphenol	7.049	107	306506	196.18 ng	79
44) 2-Methylnaphthalene	7.156	142	687293	187.66 ng	99
45) Methylnaphthalenes (To...	7.156	142	687293	187.66 ng	99
46) 1,1'-Biphenyl	7.525	154	992172	178.59 ng	95
48) 1,2,4,5-Tetrachloroben...	7.289	216	263169	186.29 ng	98
49) Hexachlorocyclopentadiene	7.279	237	143622	193.63 ng	99
50) 2,4,6-Trichlorophenol	7.380	196	196262	195.78 ng	99
51) 2,4,5-Trichlorophenol	7.423	196	210242	196.17 ng	99
53) 2-Chloronaphthalene	7.546	162	594779	184.39 ng	92
54) 1,4-Dimethylnaphthalene	7.824	156	630479	171.12 ng	93
55) Dimethylnaphthalenes (...	7.824	156	630479	171.12 ng	93
56) Diphenyl Ether	7.610	170	414097	182.82 ng	78
57) 2-Nitroaniline	7.626	65	249687	199.03 ng	64
58) Acenaphthylene	7.899	152	1024601	184.41 ng	100
59) Dimethylphthalate	7.776	163	680682	185.70 ng	99
60) 2,6-Dinitrotoluene	7.830	165	143581	186.97 ng	59
61) Acenaphthene	8.044	153	636023	185.74 ng	98
62) 3-Nitroaniline	7.974	138	171575	199.21 ng	70
63) 2,4-Dinitrophenol	8.065	184	93311	193.43 ng	41
64) Dibenzofuran	8.193	168	842338	182.65 ng	91
65) 2,4-Dinitrotoluene	8.177	165	215609	196.09 ng	71

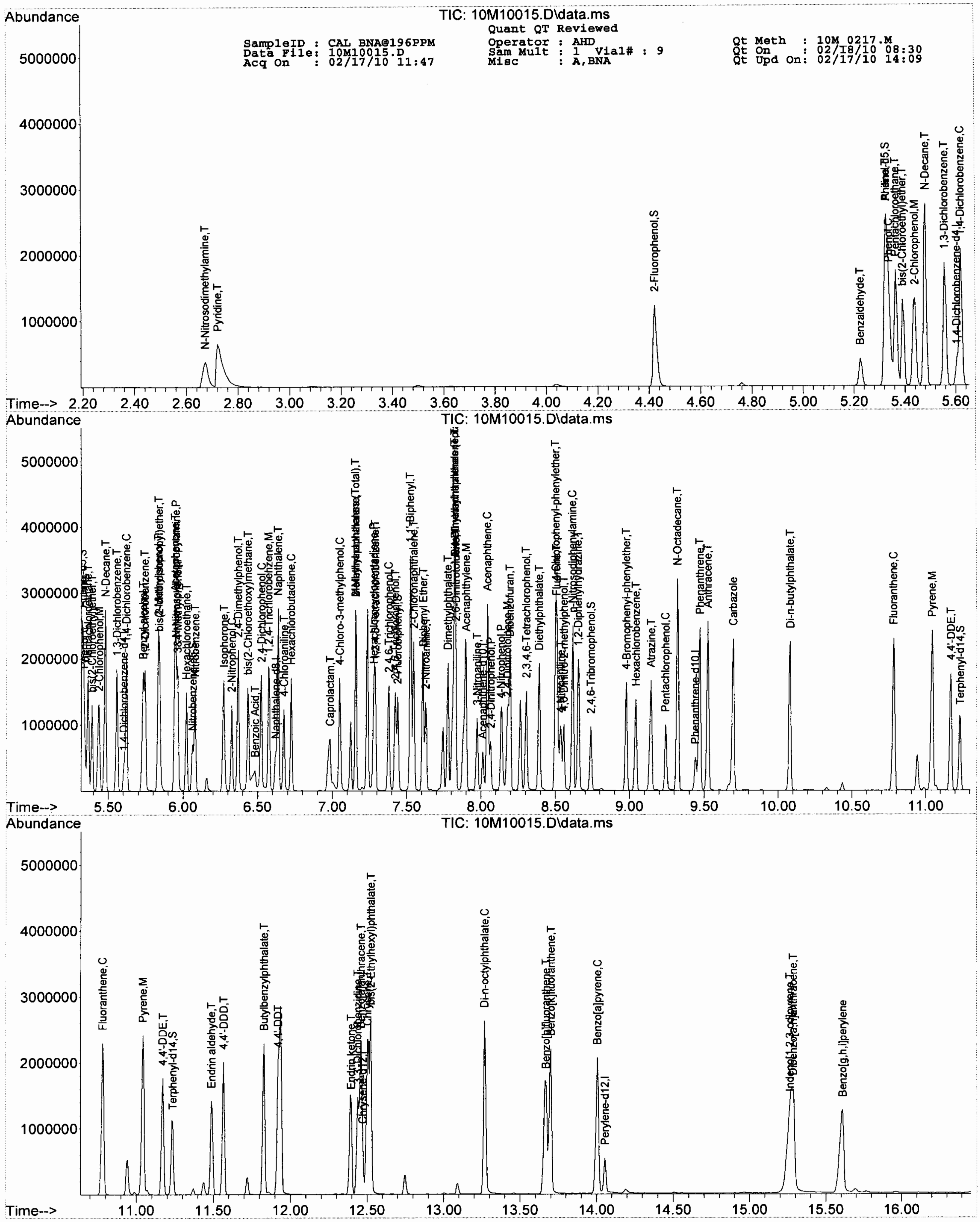
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM   Operator : AHD   Qt Meth : 10M_0217.M
Data File: 10M10015.D   Sam Mult : 1 Vial# : 9   Qt On : 02/18/10 08:30
Acq On : 02/17/10 11:47   Misc : A,BNA   Qt Upd On: 02/17/10 14:09

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.134	65	158357	197.33 ng	100
67)	2,3,4,6-Tetrachlorophenol	8.306	232	157118	196.79 ng	90
68)	Fluorene	8.509	166	677556	181.79 ng	98
69)	4-Chlorophenyl-phenyle...	8.504	204	292423	181.73 ng	90
70)	Diethylphthalate	8.391	149	741107	192.98 ng	98
71)	4-Nitroaniline	8.536	138	222452	202.86 ng	72
72)	Atrazine	9.145	200	192594	193.81 ng	99
74)	4,6-Dinitro-2-methylph...	8.557	198	124054	193.70 ng	58
75)	n-Nitrosodiphenylamine	8.616	169	604654	186.94 ng	98
77)	1,2-Diphenylhydrazine	8.653	77	732981	187.18 ng	84
78)	4-Bromophenyl-phenylether	8.980	248	167862	189.90 ng	92
79)	Hexachlorobenzene	9.044	284	156981	186.77 ng	81
80)	N-Octadecane	9.322	57	688210	199.55 ng	95
81)	Pentachlorophenol	9.242	266	101420	192.16 ng	97
82)	Phenanthrene	9.472	178	1040768	183.42 ng	99
83)	Anthracene	9.525	178	1062756	185.24 ng	99
84)	Carbazole	9.696	167	1040256	188.76 ng	98
85)	Di-n-butylphthalate	10.081	149	1271377	191.03 ng	97
86)	Fluoranthene	10.782	202	1041331	187.46 ng	99
88)	Pyrene	11.044	202	1113383	191.10 ng	94
91)	4,4'-DDE	11.172	246	199955	194.80 ng	93
92)	Endrin	11.488	81	61633	200.31 ng	72
93)	4,4'-DDD	11.568	235	361544	198.13 ng	90
94)	Butylbenzylphthalate	11.830	149	603382	202.37 ng	70
95)	Endrin aldehyde	11.488	67	27820	185.57 ng	65
96)	4,4'-DDT	11.921	235	325509	204.73 ng	94
97)	Endrin ketone	12.397	317	39746	204.08 ng	99
98)	3,3'-Dichlorobenzidine	12.440	252	244872	204.01 ng	98
99)	Benzo[a]anthracene	12.461	228	978538	194.58 ng	99
100)	Chrysene	12.504	228	916998	191.66 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.526	149	814416	195.90 ng	97
103)	Di-n-octylphthalate	13.269	149	1470525	197.46 ng	100
104)	Benzo[b]fluoranthene	13.670	252	925466	190.99 ng	98
105)	Benzo[k]fluoranthene	13.702	252	889820	185.64 ng	98
106)	Benzo[a]pyrene	14.007	252	896657	192.41 ng	97
107)	Indeno[1,2,3-cd]pyrene	15.264	276	950281	192.33 ng	92
108)	Dibenzo[a,h]anthracene	15.286	278	761426	187.44 ng	99
109)	Benzo[g,h,i]perylene	15.612	276	811507	192.60 ng	94

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



TIC: 10M10015.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M10015.D
Acq On : 02/17/10 11:47
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 02/18/10 08:30
Qt Upd On: 02/17/10 14:09
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
2-Chlorophenol,M
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene,C
Dimethylphthalate,T
Diethylphthalate,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

0702

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	9M23476.	CAL BNA@50PPM	03/01/10 12:44	2	9M23469.	CAL BNA@2PPM	03/01/10 09:34
3	9M23470.	CAL BNA@10PPM	03/01/10 09:57	4	9M23471.	CAL BNA@20PPM	03/01/10 10:20
5	9M23472.	CAL BNA@80PPM	03/01/10 10:43	6	9M23473.	CAL BNA@120PPM	03/01/10 11:05
7	9M23474.	CAL BNA@160PPM	03/01/10 11:28	8	9M23475.	CAL BNA@196PPM	03/01/10 11:51

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	1.1999	-----	1.0695	0.9468	1.1679	1.1851	1.1566	1.2577	-----	1.14	2.18	0.996	0.998	9.0		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.6832	0.4521	0.6285	0.6831	0.7103	0.7131	0.7140	0.7539	-----	0.667	2.14	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.1332	0.7971	0.9631	1.0092	1.1470	1.1393	1.1764	1.2386	-----	1.08	4.01	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.8669	0.8677	0.9585	0.9948	0.6601	0.3449	-----	-----	-----	0.782	4.88	0.687	0.998	31		50.00	2.00	10.00	20.00	80.00	120.0			
Aniline	1	0	Avg	1.6809	1.3495	1.4421	1.5830	1.6119	1.5219	1.5375	1.5641	-----	1.54	4.98	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4521	0.6268	0.4072	0.4231	0.4401	0.4200	0.4361	0.4535	-----	0.457	5.01	0.998	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.1245	1.3548	1.0239	1.0877	1.0683	1.0099	1.0352	1.1551	-----	1.11	5.05	0.993	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.3950	1.6247	1.3150	1.2970	1.3387	1.3753	1.3916	1.4827	-----	1.40	4.98	0.997	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.5605	1.4886	1.4630	1.4961	1.5705	1.5036	1.5343	1.6028	-----	1.53	4.99	0.999	0.999	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.2956	1.2938	1.2045	1.2161	1.3552	1.2890	1.3073	1.3653	-----	1.29	5.08	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	0.8390	1.1822	0.8138	0.8813	0.8305	0.8205	0.8122	0.8575	-----	0.880	5.14	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.4265	1.6485	1.3542	1.3878	1.4874	1.3577	1.3624	1.4296	-----	1.43	5.22	0.998	0.998	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.4248	1.5466	1.4359	1.4076	1.4388	1.4077	1.3828	1.4338	-----	1.43	5.28	0.999	0.999	3.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.3309	1.8202	1.3587	1.3428	1.3730	1.2753	1.2384	1.2779	-----	1.38	5.41	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.7575	0.5175	0.6723	0.7036	0.7497	0.7245	0.7278	0.7591	-----	0.702	5.40	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	1.1089	1.4693	1.1287	1.0907	1.1235	1.0725	1.0732	1.0949	-----	1.15	5.51	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.0213	1.3191	0.9776	1.0869	1.0286	1.0074	1.0256	1.0590	-----	1.07	5.51	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	1.5942	1.7912	1.7609	1.6453	1.6496	1.5346	1.5404	1.6261	-----	1.64	5.61	0.998	0.998	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6418	0.6744	0.6620	0.6458	0.6341	0.6321	0.6088	0.6312	-----	0.641	5.68	0.999	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	0.9048	1.1882	0.9776	0.9559	0.9029	0.8541	0.8862	0.9154	-----	0.948	5.62	0.998	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	1.1014	1.1860	1.1278	1.1352	1.0934	1.0720	1.0917	1.1441	-----	1.12	5.63	0.998	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1704	0.1502	0.1570	0.1633	0.1655	0.1838	0.1769	0.1737	-----	0.168	5.74	0.998	0.998	6.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3875	0.3931	0.3825	0.3572	0.3680	0.3703	0.3674	0.3685	-----	0.374	5.75	1.00	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6349	0.7754	0.6328	0.6213	0.6412	0.6394	0.6424	0.6679	-----	0.657	5.94	0.999	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1860	0.1528	0.1915	0.1799	0.1933	0.1891	0.1914	0.2003	-----	0.186	6.00	0.999	0.999	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3515	0.4031	0.3471	0.3313	0.3607	0.3521	0.3565	0.3552	-----	0.357	6.05	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.1510	-----	0.1057	0.1366	0.2230	0.2358	0.2470	0.2443	-----	0.192	6.15	0.991	0.995	31		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.3612	0.3996	0.3536	0.3537	0.3611	0.3531	0.3549	0.3673	-----	0.363	6.12	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2979	0.3228	0.2736	0.2830	0.2919	0.2875	0.2769	0.2835	-----	0.290	6.19	0.999	0.999	5.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3400	0.3646	0.3125	0.3318	0.3522	0.3331	0.3312	0.3208	-----	0.336	6.25	0.999	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0230	1.1008	1.0547	1.0017	1.0209	0.9976	0.9780	0.9684	-----	1.02	6.31	1.00	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Qua	0.4003	0.2525	0.3713	0.3924	0.3695	0.3043	0.2645	0.2261	-----	0.323	6.35	0.936	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1895	0.2359	0.1884	0.1845	0.1879	0.1884	0.1797	0.1798	-----	0.192	6.40	0.999	1.00	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1129	0.1179	0.1119	0.0957	0.1100	0.0942	0.0905	0.0951	-----	0.104	6.63	0.993	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.2853	0.3230	0.3096	0.2897	0.2977	0.2875	0.2938	0.3018	-----	0.299	6.73	0.999	1.00	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6789	0.8087	0.7394	0.6819	0.6722	0.6640	0.6638	0.6503	-----	0.695	6.82	1.00	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6789	0.8087	0.7394	0.6819	0.6722	0.6640	0.6638	0.6503	-----	0.695	6.82	1.00	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	0.8352	1.0371	0.9229	0.8335	0.8331	0.8368	0.8035	0.8013	-----	0.863	7.18	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.6105	0.7586	0.5778	0.5797	0.6061	0.5586	0.5649	0.5385	-----	0.599	6.95	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1262	-----	0.0330	0.0434	0.1419	0.1635	0.1924	0.2090	-----	0.130	6.93	0.981	0.998	53	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3715	0.3381	0.3590	0.3379	0.3553	0.3398	0.3408	0.3562	-----	0.350	7.04	0.999	0.999	3.6	*(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: 9.25
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.

0703

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	9M23476.	CAL BNA@50PPM	03/01/10 12:44	2	9M23469.	CAL BNA@2PPM	03/01/10 09:34
3	9M23470.	CAL BNA@10PPM	03/01/10 09:57	4	9M23471.	CAL BNA@20PPM	03/01/10 10:20
5	9M23472.	CAL BNA@80PPM	03/01/10 10:43	6	9M23473.	CAL BNA@120PPM	03/01/10 11:05
7	9M23474.	CAL BNA@160PPM	03/01/10 11:28	8	9M23475.	CAL BNA@196PPM	03/01/10 11:51

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	0.3751	0.3381	0.3888	0.3733	0.3760	0.3573	0.3830	0.3823	-----	0.372	7.07	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3857	1.5264	1.4451	1.3499	1.3764	1.2687	1.3200	1.2744	-----	1.37	7.09	0.998	0.999	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2075	1.2928	1.1860	1.1685	1.1660	1.1162	1.1310	1.0995	-----	1.17	7.20	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Qua	0.8776	1.2472	0.9031	0.9134	0.8671	0.8158	0.8255	0.8080	-----	0.907	7.46	0.999	1.00	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Qua	0.8776	1.2472	0.9031	0.9134	0.8671	0.8158	0.8255	0.8080	-----	0.907	7.46	0.999	1.00	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8640	0.9384	0.8054	0.8278	0.8218	0.7769	0.7707	0.7557	-----	0.820	7.26	0.998	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.3585	0.3560	0.3594	0.3368	0.3461	0.3291	0.3367	0.3317	-----	0.344	7.28	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9343	2.2156	1.9692	1.8635	1.8721	1.7493	1.7635	1.7039	-----	1.88	7.53	0.998	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3851	1.6795	1.4391	1.3754	1.3852	1.2874	1.3319	1.3141	-----	1.40	7.42	0.999	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3275	0.3244	0.2793	0.3024	0.3075	0.2936	0.2986	0.2977	-----	0.304	7.47	0.999	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2146	1.3420	1.1854	1.1892	1.2004	1.1280	1.1354	1.1116	-----	1.19	7.67	0.999	1.00	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3095	0.2957	0.3089	0.3265	0.3041	0.2608	0.2504	0.2407	-----	0.287	7.62	0.990	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1419	-----	0.1064	0.1014	0.1641	0.1595	0.1742	0.1858	-----	0.148	7.72	0.994	0.999	22	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6100	1.8410	1.7233	1.6567	1.5774	1.4849	1.5193	1.4708	-----	1.61	7.82	0.999	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrotoluene	1	0	Avg	0.4407	0.4706	0.4157	0.4383	0.4294	0.3880	0.3964	0.3971	-----	0.422	7.82	0.998	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.1918	0.1475	0.1806	0.1743	0.1989	0.1895	0.2128	0.2075	-----	0.188	7.77	0.998	0.999	11	**(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	0.2946	0.3224	0.3187	0.2873	0.2999	0.2836	0.3072	0.3075	-----	0.303	7.93	0.998	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.2905	1.7150	1.3254	1.2955	1.3337	1.2007	1.2330	1.1861	-----	1.32	8.13	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6214	0.8049	0.6297	0.6264	0.6376	0.5722	0.5784	0.5499	-----	0.628	8.13	0.997	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4296	1.5580	1.4998	1.4048	1.4525	1.3467	1.3891	1.3427	-----	1.43	8.03	0.999	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3321	0.3501	0.3589	0.3220	0.3368	0.3270	0.3296	0.3227	-----	0.335	8.16	1.00	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4100	0.5185	0.4162	0.3591	0.4035	0.3821	0.3822	0.3759	-----	0.406	8.76	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Avg	0.1405	-----	0.1112	0.1134	0.1469	0.1495	0.1478	0.1508	-----	0.137	8.19	1.00	1.00	13		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6711	0.8913	0.6997	0.6780	0.6683	0.6228	0.6512	0.6233	-----	0.688	8.24	0.999	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.0778	0.0655	0.0704	0.0812	0.0754	0.0739	0.0758	0.0744	-----	0.0744	8.36	1.00	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.9607	1.2342	0.9615	0.9757	0.9631	0.9541	0.9409	0.9275	-----	0.990	8.27	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2253	0.2738	0.2011	0.2231	0.2184	0.2138	0.2139	0.2123	-----	0.223	8.59	1.00	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2119	0.3001	0.1987	0.2159	0.2202	0.2113	0.2126	0.2052	-----	0.222	8.65	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.3520	0.4653	0.3456	0.3399	0.3491	0.3331	0.3401	0.3264	-----	0.356	8.94	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0906	-----	0.0568	0.0628	0.0984	0.0960	0.1027	0.1046	-----	0.0875	8.85	0.998	0.999	22	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1230	1.4142	1.1947	1.1430	1.1595	1.0973	1.1174	1.0675	-----	1.16	9.07	0.999	0.999	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1699	1.4965	1.2355	1.1501	1.1670	1.1337	1.1275	1.0887	-----	1.20	9.12	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1158	1.2562	1.1454	1.1103	1.1072	1.0602	1.0960	1.0456	-----	1.12	9.30	0.999	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4724	1.8173	1.5518	1.4161	1.4828	1.4261	1.4536	1.4088	-----	1.50	9.69	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2559	1.4765	1.2942	1.2311	1.2565	1.2209	1.2321	1.1803	-----	1.27	10.37	0.999	1.00	7.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5561	2.0243	1.5735	1.5509	1.5638	1.4775	1.5447	1.5893	-----	1.61	10.63	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5577	0.3946	0.5145	0.6238	0.3781	0.2266	-----	-----	-----	0.449	10.54	0.724	0.992	32		50.00	2.00	10.00	20.00	80.00	120.0			
Terphenyl-d14	1	0	Avg	1.1032	1.3238	1.0887	1.1059	1.1535	1.0817	1.1163	1.2081	-----	1.15	10.83	0.996	0.998	7.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.3363	0.3842	0.3278	0.3248	0.3439	0.3171	0.3351	0.3401	-----	0.339	10.76	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.1224	0.1598	0.1228	0.1061	0.1238	0.1160	0.1241	0.1279	-----	0.125	11.06	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.5616	0.5792	0.5397	0.5318	0.5599	0.5224	0.5509	0.5571	-----	0.550	11.16	0.999	0.999	3.3		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: 9.25
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_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M23476.	CAL BNA@50PPM	03/01/10 12:44	2	9M23469.	CAL BNA@2PPM	03/01/10 09:34
3	9M23470.	CAL BNA@10PPM	03/01/10 09:57	4	9M23471.	CAL BNA@20PPM	03/01/10 10:20
5	9M23472.	CAL BNA@80PPM	03/01/10 10:43	6	9M23473.	CAL BNA@120PPM	03/01/10 11:05
7	9M23474.	CAL BNA@160PPM	03/01/10 11:28	8	9M23475.	CAL BNA@196PPM	03/01/10 11:51

																			Calibration Level Concentrations								
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7767	0.8194	0.7596	0.7714	0.7950	0.7488	0.7976	0.8165	-----	0.786	11.43	0.998	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0315	0.0332	0.0302	0.0300	0.0296	0.0298	0.0285	0.0312	-----	0.0305	11.06	0.997	0.997	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	Avg	0.5144	0.5423	0.4973	0.4628	0.5240	0.4895	0.5060	0.5170	-----	0.507	11.51	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0553	-----	0.0592	0.0504	0.0460	0.0495	0.0508	0.0536	-----	0.0522	11.97	0.994	0.998	8.3		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4303	0.5549	0.4956	0.4701	0.3755	0.3352	0.3247	0.3108	-----	0.412	12.03	0.986	0.998	22		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4096	1.7663	1.4779	1.4134	1.4006	1.3481	1.4035	1.4063	-----	1.45	12.05	0.999	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.3214	1.8088	1.3946	1.3627	1.3570	1.2602	1.3135	1.3065	-----	1.39	12.09	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal:	1	0	Avg	1.1417	1.3751	1.1183	1.1059	1.1548	1.0459	1.1250	1.1553	-----	1.15	12.13	0.998	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.7923	1.8519	1.6889	1.7136	1.7920	1.7254	1.7578	1.8003	-----	1.77	12.88	0.999	1.00	3.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3311	1.4876	1.2915	1.2765	1.3362	1.2677	1.3455	1.3375	-----	1.33	13.26	0.999	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2016	1.4805	1.3066	1.2955	1.2315	1.1777	1.1539	1.1459	-----	1.25	13.29	0.999	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2193	1.4406	1.2926	1.2176	1.2173	1.1930	1.1810	1.2010	-----	1.25	13.60	1.00	1.00	6.9	*(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	1.2411	1.4030	1.2457	1.2287	1.2268	1.2258	1.2351	1.2357	-----	1.26	14.75	1.00	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.0005	1.2077	1.0870	0.9920	1.0031	1.0169	1.0049	1.0045	-----	1.04	14.76	1.00	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0917	1.2348	1.1071	1.0594	1.0684	1.0674	1.0463	1.0606	-----	1.09	15.05	1.00	1.00	5.6		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: 9.25

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 (Not Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23476.D
Acq On : 03/ 1/10 12:44

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 13:29
Qt Upd On: 03/01/10 13:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.266	152	31691	40.00 ng	0.00
29) Naphthalene-d8	6.293	136	115191	40.00 ng	0.00
47) Acenaphthene-d10	7.646	164	62279	40.00 ng	0.00
73) Phenanthrene-d10	9.042	188	107264	40.00 ng	0.00
87) Chrysene-d12	12.058	240	91604	40.00 ng	-0.01
102) Perylene-d12	13.658	264	96501	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.009	112	44891	52.68 ng	0.00
Spiked Amount 100.000			Recovery =	52.68%	
15) Phenol-d5	4.977	99	55261	49.73 ng	0.00
Spiked Amount 100.000			Recovery =	49.73%	
30) Nitrobenzene-d5	5.736	128	12273	25.42 ng	0.00
Spiked Amount 50.000			Recovery =	50.84%	
52) 2-Fluorobiphenyl	7.095	172	53941	25.32 ng	0.00
Spiked Amount 50.000			Recovery =	50.64%	
76) 2,4,6-Tribromophenol	8.357	330	10433	52.33 ng	0.00
Spiked Amount 100.000			Recovery =	52.33%	
90) Terphenyl-d14	10.828	244	63161	24.03 ng	0.00
Spiked Amount 50.000			Recovery =	48.06%	
Target Compounds					Qvalue
8) Pyridine	2.185	79	47535	52.61 ng	56
9) N-Nitrosodimethylamine	2.137	74	27066	51.19 ng	91
11) Benzaldehyde	4.880	77	34343	54.61 ng	96
12) Aniline	4.982	93	66589	54.70 ng	19
13) Pentachloroethane	5.014	117	17912	49.43 ng	80
14) bis(2-Chloroethyl)ether	5.052	93	44546	50.77 ng	81
16) Phenol	4.987	94	61818	51.08 ng	72
17) 2-Chlorophenol	5.084	128	51324	50.18 ng	81
18) N-Decane	5.143	57	33238	47.69 ng	59
19) 1,3-Dichlorobenzene	5.217	146	56510	49.82 ng	98
20) 1,4-Dichlorobenzene	5.282	146	56445	49.65 ng	97
21) 1,2-Dichlorobenzene	5.410	146	52723	48.32 ng	99
22) Benzyl alcohol	5.399	108	30010	53.99 ng	87
23) bis(2-chloroisopropyl)...	5.512	45	43929	48.41 ng	53
24) 2-Methylphenol	5.506	108	40461	47.92 ng	90
25) Acetophenone	5.613	105	63156	48.52 ng	68
26) Hexachloroethane	5.683	117	25427	50.04 ng	89
27) N-Nitroso-di-n-propyla...	5.619	70	35844	47.71 ng	80
28) 3&4-Methylphenol	5.635	108	43632	49.22 ng	93
31) Nitrobenzene	5.747	77	55808	51.77 ng	83
32) Isophorone	5.939	82	91426	48.33 ng	87
33) 2-Nitrophenol	6.004	139	26783	50.11 ng	97
34) 2,4-Dimethylphenol	6.046	107	50618	49.20 ng	90
35) Benzoic Acid	6.153	105	21747	37.97 ng	89
36) bis(2-Chloroethoxy)met...	6.116	93	52017	49.75 ng	98
37) 2,4-Dichlorophenol	6.191	162	42901	51.42 ng	88
38) 1,2,4-Trichlorobenzene	6.250	180	48959	50.63 ng	99
39) Naphthalene	6.309	128	147313	50.24 ng	98
40) 4-Chloroaniline	6.351	127	57638	51.36 ng	99
41) Hexachlorobutadiene	6.399	225	27295	49.41 ng	94
42) Caprolactam	6.635	113	16260	54.52 ng	56
43) 4-Chloro-3-methylphenol	6.726	107	41083	47.78 ng	73
44) 2-Methylnaphthalene	6.822	142	97758	48.85 ng	95
45) Methylnaphthalenes (To...	6.822	142	97758	48.85 ng	95
46) 1,1'-Biphenyl	7.175	154	120271	48.40 ng	95
48) 1,2,4,5-Tetrachloroben...	6.950	216	47527	50.93 ng	94
49) Hexachlorocyclopentadiene	6.934	237	9831	55.19 ng	97
50) 2,4,6-Trichlorophenol	7.041	196	28927	53.11 ng	97
51) 2,4,5-Trichlorophenol	7.073	196	29207	50.46 ng	96
53) 2-Chloronaphthalene	7.196	162	94006	51.56 ng	92
54) 1,4-Dimethylnaphthalene	7.458	156	68326	50.78 ng	99
55) Dimethylnaphthalenes (...	7.458	156	68326	50.78 ng	99
56) Diphenyl Ether	7.255	170	67263	52.67 ng	89
57) 2-Nitroaniline	7.277	65	27911	52.06 ng	69
58) Acenaphthylene	7.528	152	150585	51.34 ng	98
59) Dimethylphthalate	7.421	163	107830	49.48 ng	99
60) 2,6-Dinitrotoluene	7.475	165	25496	53.88 ng	69
61) Acenaphthene	7.672	153	94561	51.11 ng	95
62) 3-Nitroaniline	7.619	138	24101	53.91 ng	93
63) 2,4-Dinitrophenol	7.715	184	11052	49.43 ng	79
64) Dibenzofuran	7.822	168	125337	49.99 ng	92
65) 2,4-Dinitrotoluene	7.822	165	34315	52.22 ng	87

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23476.D
Acq On : 03/ 1/10 12:44

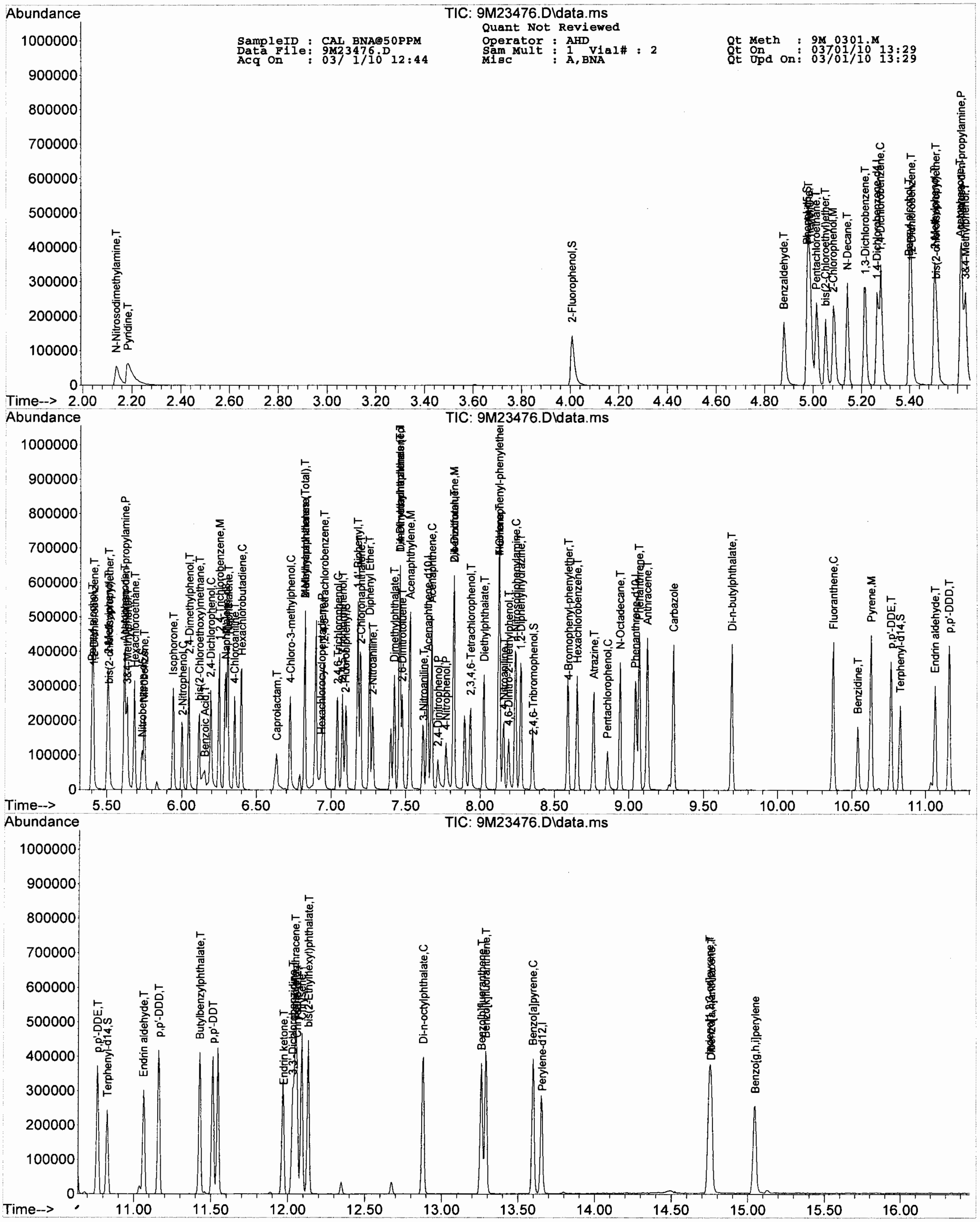
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 13:29
Qt Upd On: 03/01/10 13:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.769	65	14937	51.05 ng	68
67)	2,3,4,6-Tetrachlorophenol	7.935	232	22934	48.66 ng	87
68)	Fluorene	8.127	166	100466	48.79 ng	96
69)	4-Chlorophenyl-phenyle...	8.127	204	48378	49.51 ng	91
70)	Diethylphthalate	8.025	149	111298	50.06 ng	99
71)	4-Nitroaniline	8.159	138	25854	49.58 ng	89
72)	Atrazine	8.764	200	31920	50.50 ng	97
74)	4,6-Dinitro-2-methylph...	8.191	198	18845	51.22 ng	41
75)	n-Nitrosodiphenylamine	8.239	169	89986	48.76 ng	98
77)	1,2-Diphenylhydrazine	8.271	77	128820	48.54 ng	94
78)	4-Bromophenyl-phenylether	8.592	248	30218	50.59 ng	79
79)	Hexachlorobenzene	8.651	284	28414	47.72 ng	81
80)	N-Octadecane	8.940	57	47200	49.37 ng	62
81)	Pentachlorophenol	8.854	266	12156	52.34 ng	93
82)	Phenanthrene	9.068	178	150581	48.22 ng	98
83)	Anthracene	9.122	178	156864	48.90 ng	99
84)	Carbazole	9.298	167	149607	49.94 ng	97
85)	Di-n-butylphthalate	9.689	149	197428	48.96 ng	99
86)	Fluoranthene	10.374	202	168392	49.50 ng	86
88)	Pyrene	10.630	202	178182	48.33 ng	82
89)	Benzidine	10.539	184	63870	56.88 ng	82
91)	p,p'-DDE	10.764	246	38509	49.64 ng	89
92)	Endrin	11.063	81	14026	48.84 ng	78
93)	p,p'-DDD	11.160	235	64306	51.02 ng	90
94)	Butylbenzylphthalate	11.427	149	88939	49.43 ng	82
95)	Endrin aldehyde	11.063	67	3616	51.69 ng	62
96)	p,p'-DDT	11.513	235	58905	50.76 ng	94
97)	Endrin ketone	11.973	317	6337	53.05 ng	100
98)	3,3'-Dichlorobenzidine	12.032	252	49273	52.20 ng	96
99)	Benzo[a]anthracene	12.048	228	161412	48.50 ng	99
100)	Chrysene	12.090	228	151311	47.51 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.133	149	130738	49.52 ng	96
103)	Di-n-octylphthalate	12.882	149	216209	50.77 ng	96
104)	Benzo[b]fluoranthene	13.262	252	160565	49.88 ng	94
105)	Benzo[k]fluoranthene	13.289	252	144953	48.10 ng	94
106)	Benzo[a]pyrene	13.599	252	147086	48.96 ng	92
107)	Indeno[1,2,3-cd]pyrene	14.749	276	149712	49.44 ng	100
108)	Dibenzo[a,h]anthracene	14.759	278	120686	48.12 ng	89
109)	Benzo[g,h,i]perylene	15.048	276	131691	49.99 ng	84

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


TIC: 9M23476.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M23476.D
Acq On : 03/ 1/10 12:44
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 13:29
Qt Upd On: 03/01/10 13:29
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Isophorone,T
Caprolactan,T
4-Chloro-3-methylphenol,C
2-Nitroaniline,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
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
Endrin ketone,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
Data File: 9M23469.D
Acq On : 03/ 1/10 09:34

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:26
Qt Upd On: 03/01/10 12:24

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.266	152	26897	40.00 ng	0.00
29) Naphthalene-d8	6.287	136	107296	40.00 ng	0.00
47) Acenaphthene-d10	7.646	164	61399	40.00 ng	0.00
73) Phenanthrene-d10	9.047	188	102767	40.00 ng	0.00
87) Chrysene-d12	12.064	240	92700	40.00 ng	0.00
102) Perylene-d12	13.663	264	96192	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.035	112	1072m	1.47 ng	0.03
Spiked Amount 100.000			Recovery	= 1.47%	
15) Phenol-d5	4.987	99	2185	2.32 ng	0.01
Spiked Amount 100.000			Recovery	= 2.32%	
30) Nitrobenzene-d5	5.736	128	403	0.88 ng	0.00
Spiked Amount 50.000			Recovery	= 1.76%	
52) 2-Fluorobiphenyl	7.100	172	2343	1.11 ng	0.00
Spiked Amount 50.000			Recovery	= 2.22%	
76) 2,4,6-Tribromophenol	8.357	330	337	1.77 ng	0.00
Spiked Amount 100.000			Recovery	= 1.77%	
90) Terphenyl-d14	10.833	244	3068	1.15 ng	0.00
Spiked Amount 50.000			Recovery	= 2.30%	

Compound	R.T.	QIon	Response	Conc Units		Qvalue
Target Compounds						
8) Pyridine	2.292	79	1218m	1.63 ng		
9) N-Nitrosodimethylamine	2.206	74	608m	1.35 ng		
11) Benzaldehyde	4.896	77	1167	2.61 ng		87
12) Aniline	4.993	93	1815	1.76 ng		8
13) Pentachloroethane	5.014	117	843	2.73 ng		91
14) bis(2-Chloroethyl)ether	5.057	93	1822	2.44 ng		87
16) Phenol	4.998	94	2002	1.94 ng		82
17) 2-Chlorophenol	5.089	128	1740	2.00 ng		82
18) N-Decane	5.142	57	1590	2.67 ng		87
19) 1,3-Dichlorobenzene	5.217	146	2217	2.30 ng		98
20) 1,4-Dichlorobenzene	5.282	146	2080	2.14 ng		91
21) 1,2-Dichlorobenzene	5.410	146	2448	2.63 ng		94
22) Benzyl alcohol	5.410	108	696	1.46 ng		87
23) bis(2-chloroisopropyl)...	5.512	45	1976	2.54 ng		81
24) 2-Methylphenol	5.517	108	1774	2.46 ng		64
25) Acetophenone	5.619	105	2409	2.17 ng		76
26) Hexachloroethane	5.683	117	907	2.11 ng		95
27) N-Nitroso-di-n-propyla...	5.619	70	1598m	2.50 ng		
28) 3&4-Methylphenol	5.645	108	1595	2.10 ng		92
31) Nitrobenzene	5.752	77	2109	2.10 ng		73
32) Isophorone	5.939	82	4160	2.34 ng		83
33) 2-Nitrophenol	6.009	139	820	1.64 ng		85
34) 2,4-Dimethylphenol	6.046	107	2163	2.24 ng		82
35) Benzoic Acid	6.169	105	179	0.37 ng	#	8
36) bis(2-Chloroethoxy)met...	6.116	93	2144	2.19 ng		91
37) 2,4-Dichlorophenol	6.202	162	1732	2.23 ng		80
38) 1,2,4-Trichlorobenzene	6.250	180	1956	2.17 ng		77
39) Naphthalene	6.303	128	5906	2.15 ng		96
40) 4-Chloroaniline	6.362	127	1355	1.56 ng		81
41) Hexachlorobutadiene	6.399	225	1266	2.44 ng		76
42) Caprolactam	6.603	113	633	2.27 ng		42
43) 4-Chloro-3-methylphenol	6.726	107	1733	2.15 ng		67
44) 2-Methylnaphthalene	6.822	142	4339	2.31 ng		96
45) Methylnaphthalenes (To...	6.822	142	4339	2.31 ng		96
46) 1,1'-Biphenyl	7.175	154	5564	2.39 ng		87
48) 1,2,4,5-Tetrachloroben...	6.950	216	2329	2.53 ng		97
49) Hexachlorocyclopentadiene	0.000		0	N.D.		
50) 2,4,6-Trichlorophenol	7.079	196	1038	1.96 ng		88
51) 2,4,5-Trichlorophenol	7.079	196	1038	1.82 ng		87
53) 2-Chloronaphthalene	7.196	162	3969	2.21 ng		90
54) 1,4-Dimethylnaphthalene	7.453	156	3829	2.75 ng		80
55) Dimethylnaphthalenes (...	7.453	156	3829	2.75 ng		80
56) Diphenyl Ether	7.255	170	2881	2.30 ng		83
57) 2-Nitroaniline	7.277	65	1093	2.08 ng		77
58) Acenaphthylene	7.528	152	6802	2.35 ng		89
59) Dimethylphthalate	7.416	163	5156	2.38 ng		93
60) 2,6-Dinitrotoluene	7.474	165	996	2.13 ng		97
61) Acenaphthene	7.672	153	4120	2.26 ng		91
62) 3-Nitroaniline	7.619	138	908	2.05 ng		91
63) 2,4-Dinitrophenol	0.000		0	N.D.		
64) Dibenzofuran	7.822	168	5652	2.28 ng		93
65) 2,4-Dinitrotoluene	7.822	165	1445	2.22 ng		90

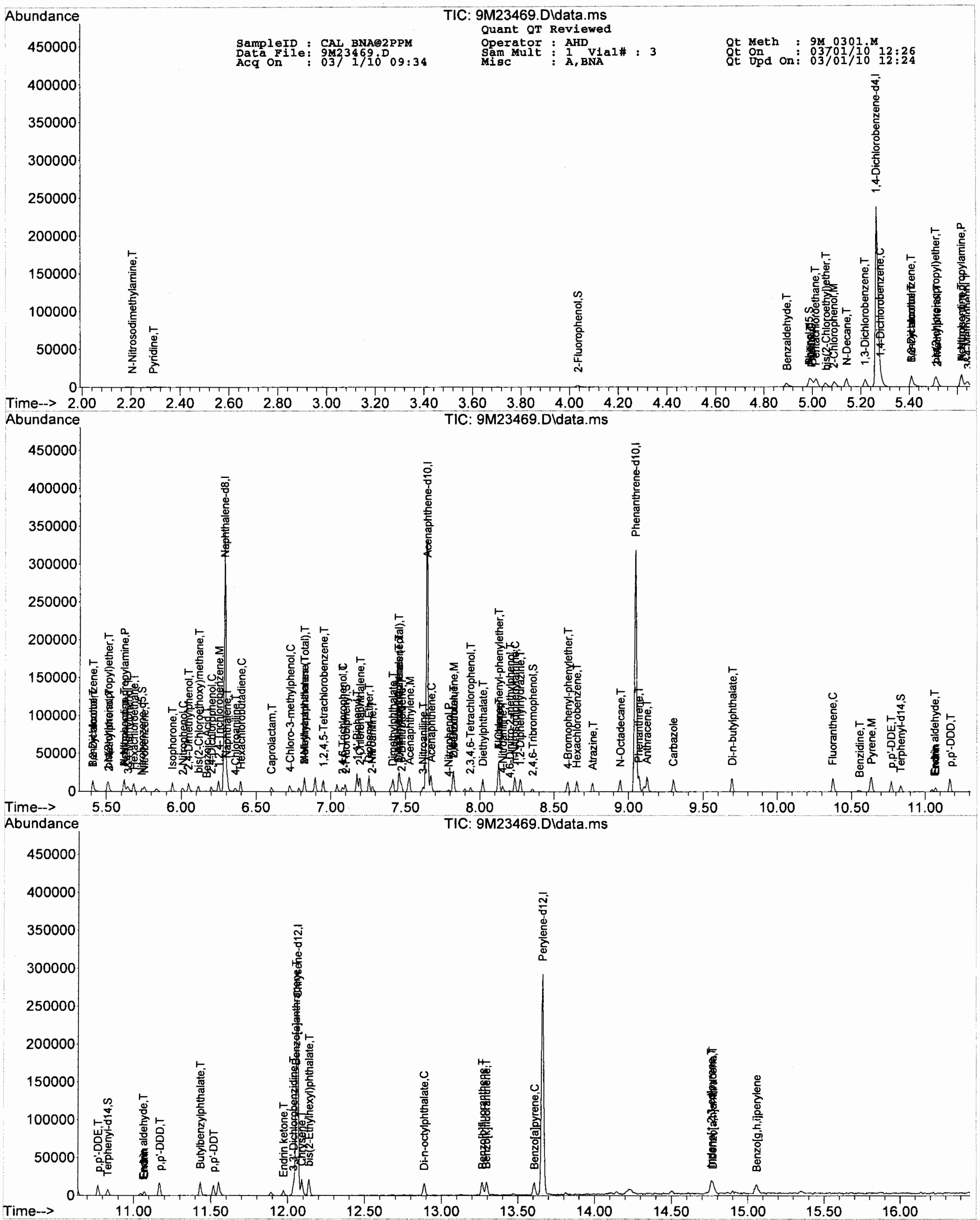
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0301.M
Data File: 9M23469.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/10 12:26
Acq On : 03/ 1/10 09:34 Misc : A,BNA Qt Upd On: 03/01/10 12:24

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.790	65	453	1.55 ng	59
67)	2,3,4,6-Tetrachlorophenol	7.934	232	990	2.11 ng	79
68)	Fluorene	8.127	166	5265	2.57 ng	98
69)	4-Chlorophenyl-phenyle...	8.127	204	2471	2.55 ng	90
70)	Diethylphthalate	8.020	149	4783	2.17 ng	98
71)	4-Nitroaniline	8.154	138	1075	2.06 ng	30
72)	Atrazine	8.758	200	1592	2.54 ng	94
74)	4,6-Dinitro-2-methylph...	8.202	198	283	0.86 ng	62
75)	n-Nitrosodiphenylamine	8.234	169	4580	2.58 ng	89
77)	1,2-Diphenylhydrazine	8.271	77	6342	2.49 ng	92
78)	4-Bromophenyl-phenylether	8.592	248	1407	2.45 ng	85
79)	Hexachlorobenzene	8.651	284	1542	2.69 ng	70
80)	N-Octadecane	8.945	57	2391	2.61 ng	55
81)	Pentachlorophenol	0.000		0	N.D.	
82)	Phenanthrene	9.068	178	7267	2.42 ng	94
83)	Anthracene	9.122	178	7690	2.50 ng	98
84)	Carbazole	9.298	167	6455	2.24 ng	98
85)	Di-n-butylphthalate	9.694	149	9338	2.41 ng	95
86)	Fluoranthene	10.373	202	7587	2.32 ng	89
88)	Pyrene	10.636	202	9383	2.52 ng	81
89)	Benzidine	10.555	184	1829	2.01 ng	64
91)	p,p'-DDE	10.769	246	1781	2.28 ng	87
92)	Endrin	11.069	81	741	2.56 ng	97
93)	p,p'-DDD	11.170	235	2685	2.11 ng	68
94)	Butylbenzylphthalate	11.432	149	3798	2.08 ng	78
95)	Endrin aldehyde	11.063	67	154m	2.21 ng	
96)	p,p'-DDT	11.518	235	2514	2.14 ng	85
97)	Endrin ketone	11.973	317	76	0.69 ng	55
98)	3,3'-Dichlorobenzidine	12.037	252	2572	2.66 ng	92
99)	Benzo[a]anthracene	12.053	228	8187	2.42 ng	92
100)	Chrysene	12.090	228	8384	2.60 ng	92
101)	bis(2-Ethylhexyl)phtha...	12.139	149	6374	2.39 ng	90
103)	Di-n-octylphthalate	12.887	149	8907	2.10 ng	92
104)	Benzo[b]fluoranthene	13.267	252	7155	2.22 ng	94
105)	Benzo[k]fluoranthene	13.294	252	7121	2.36 ng	95
106)	Benzo[a]pyrene	13.609	252	6929	2.31 ng	83
107)	Indeno[1,2,3-cd]pyrene	14.759	276	6748	2.22 ng	94
108)	Dibenzo[a,h]anthracene	14.770	278	5809	2.30 ng	76
109)	Benzo[g,h,i]perylene	15.059	276	5939	2.25 ng	90

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


TIC: 9M23469.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M23469.D
Acq On : 03/ 1/10 09:34
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:26
Qt Upd On: 03/01/10 12:24
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 9M23470.D
Acq On : 03/ 1/10 09:57

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:02
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.266	152	28973	40.00 ng	0.00
29) Naphthalene-d8	6.287	136	105273	40.00 ng	0.00
47) Acenaphthene-d10	7.640	164	59705	40.00 ng	0.00
73) Phenanthrene-d10	9.042	188	103563	40.00 ng	0.00
87) Chrysene-d12	12.058	240	91929	40.00 ng	0.00
102) Perylene-d12	13.658	264	98227	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.014	112	6976	7.76 ng	0.00
Spiked Amount 100.000			Recovery =	7.76%	
15) Phenol-d5	4.977	99	9525	7.13 ng	0.00
Spiked Amount 100.000			Recovery =	7.13%	
30) Nitrobenzene-d5	5.731	128	2067	4.48 ng	0.00
Spiked Amount 50.000			Recovery =	8.96%	
52) 2-Fluorobiphenyl	7.095	172	10785	5.18 ng	0.00
Spiked Amount 50.000			Recovery =	10.36%	
76) 2,4,6-Tribromophenol	8.352	330	1825	9.46 ng	0.00
Spiked Amount 100.000			Recovery =	9.46%	
90) Terphenyl-d14	10.828	244	12511	4.86 ng	0.00
Spiked Amount 50.000			Recovery =	9.72%	
Target Compounds					Qvalue
8) Pyridine	2.212	79	7747m	8.81 ng	
9) N-Nitrosodimethylamine	2.153	74	4553m	7.88 ng	
11) Benzaldehyde	4.881	77	6943	8.71 ng	80
12) Aniline	4.982	93	10446	7.23 ng	19
13) Pentachloroethane	5.014	117	2950	5.46 ng	77
14) bis(2-Chloroethyl)ether	5.046	93	7417	7.27 ng	77
16) Phenol	4.988	94	10597	7.44 ng	80
17) 2-Chlorophenol	5.084	128	8725	8.53 ng	74
18) N-Decane	5.137	57	5895m	3.96 ng	
19) 1,3-Dichlorobenzene	5.212	146	9809	9.01 ng	97
20) 1,4-Dichlorobenzene	5.282	146	10401	8.94 ng	98
21) 1,2-Dichlorobenzene	5.405	146	9842	9.51 ng	98
22) Benzyl alcohol	5.399	108	4870	7.46 ng	85
23) bis(2-chloroisopropyl)...	5.512	45	8176	5.15 ng	48
24) 2-Methylphenol	5.501	108	7081	7.26 ng	77
25) Acetophenone	5.613	105	12755	8.02 ng	61
26) Hexachloroethane	5.678	117	4795	10.11 ng	98
27) N-Nitroso-di-n-propyla...	5.613	70	7081	7.79 ng	84
28) 3&4-Methylphenol	5.635	108	8169	8.27 ng	94
31) Nitrobenzene	5.747	77	10067	8.39 ng	81
32) Isophorone	5.934	82	16655	7.89 ng	90
33) 2-Nitrophenol	5.998	139	5040	9.96 ng	98
34) 2,4-Dimethylphenol	6.041	107	9136	8.80 ng	94
35) Benzoic Acid	6.121	105	2783m	5.56 ng	
36) bis(2-Chloroethoxy)met...	6.111	93	9307	7.95 ng	79
37) 2,4-Dichlorophenol	6.191	162	7203	9.53 ng	87
38) 1,2,4-Trichlorobenzene	6.244	180	8225	9.27 ng	91
39) Naphthalene	6.303	128	27758	9.63 ng	97
40) 4-Chloroaniline	6.351	127	9773	11.03 ng	94
41) Hexachlorobutadiene	6.394	225	4959	9.91 ng	92
42) Caprolactam	6.603	113	2945	8.36 ng	49
43) 4-Chloro-3-methylphenol	6.720	107	8149	9.13 ng	63
44) 2-Methylnaphthalene	6.822	142	19461	10.16 ng	96
45) Methylnaphthalenes (To...	6.822	142	19461	10.16 ng	96
46) 1,1'-Biphenyl	7.175	154	24289	8.09 ng	92
48) 1,2,4,5-Tetrachloroben...	6.945	216	8625	9.42 ng	85
49) Hexachlorocyclopentadiene	6.934	237	493	2.65 ng	63
50) 2,4,6-Trichlorophenol	7.036	196	5359	10.49 ng	89
51) 2,4,5-Trichlorophenol	7.074	196	5804	10.52 ng	83
53) 2-Chloronaphthalene	7.191	162	17703	10.03 ng	94
54) 1,4-Dimethylnaphthalene	7.453	156	13480	6.56 ng	91
55) Dimethylnaphthalenes (...	7.453	156	13480	6.56 ng	91
56) Diphenyl Ether	7.255	170	12023	8.81 ng	81
57) 2-Nitroaniline	7.277	65	5365	7.04 ng	69
58) Acenaphthylene	7.523	152	29393	9.86 ng	98
59) Dimethylphthalate	7.416	163	21481	10.15 ng	100
60) 2,6-Dinitrotoluene	7.469	165	4169	8.86 ng	85
61) Acenaphthene	7.667	153	17694	9.26 ng	91
62) 3-Nitroaniline	7.614	138	4611	10.75 ng	78
63) 2,4-Dinitrophenol	7.721	184	1589	7.66 ng	52
64) Dibenzofuran	7.817	168	25723	10.07 ng	91
65) 2,4-Dinitrotoluene	7.817	165	6206	9.53 ng	92

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 9M23470.D
Acq On : 03/ 1/10 09:57

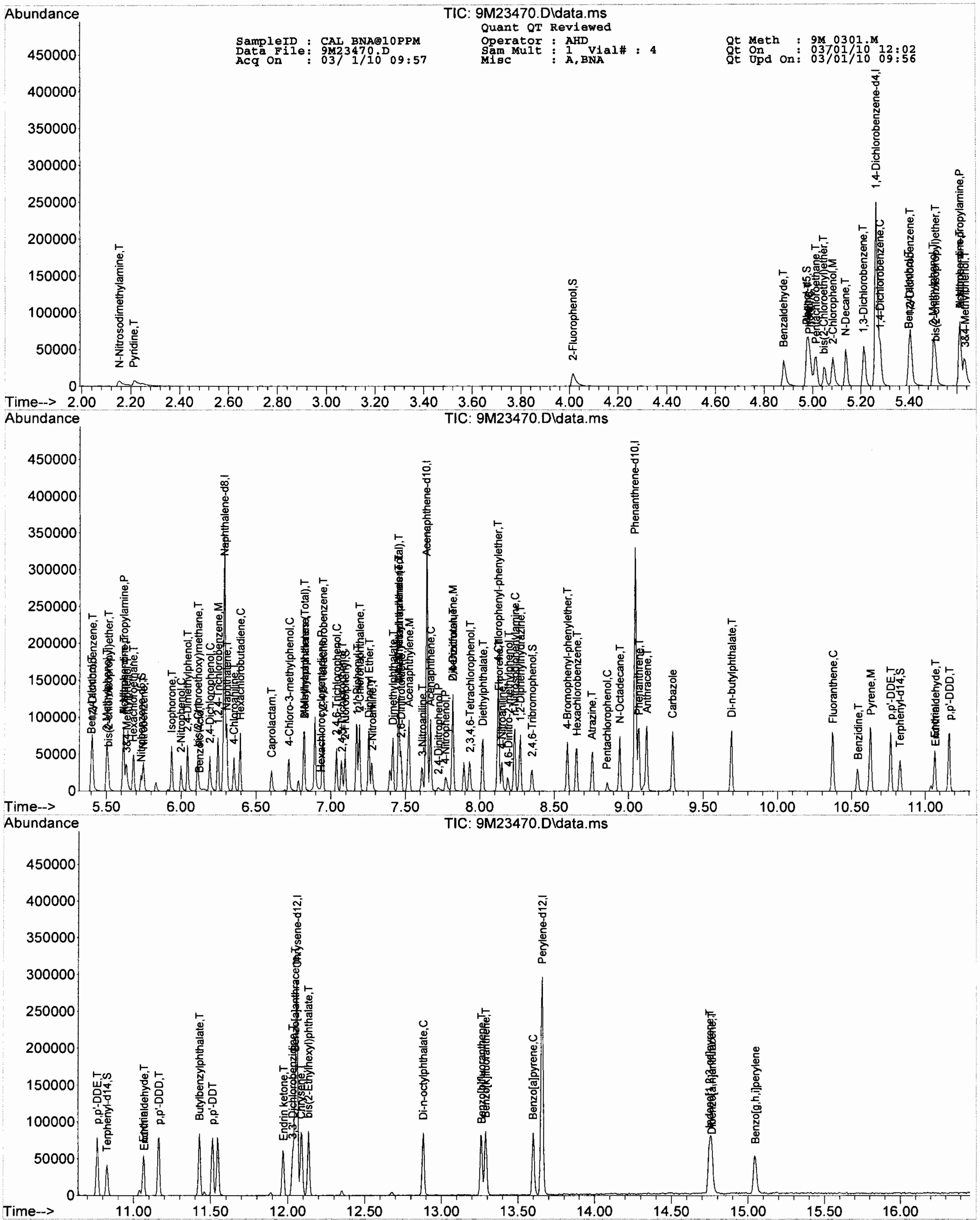
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:02
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.769	65	2697	7.18 ng	86
67)	2,3,4,6-Tetrachlorophenol	7.935	232	4758	10.75 ng	85
68)	Fluorene	8.127	166	19784	9.33 ng	95
69)	4-Chlorophenyl-phenyle...	8.122	204	9400	9.86 ng	96
70)	Diethylphthalate	8.020	149	22387	10.08 ng	96
71)	4-Nitroaniline	8.149	138	5357	10.16 ng	77
72)	Atrazine	8.753	200	6213	9.28 ng	91
74)	4,6-Dinitro-2-methylph...	8.191	198	2881	8.89 ng	67
75)	n-Nitrosodiphenylamine	8.234	169	18117	9.57 ng	93
77)	1,2-Diphenylhydrazine	8.272	77	24895	8.88 ng	89
78)	4-Bromophenyl-phenylether	8.587	248	5208	9.02 ng	91
79)	Hexachlorobenzene	8.651	284	5145	9.09 ng	74
80)	N-Octadecane	8.940	57	8949	4.19 ng	65
81)	Pentachlorophenol	8.855	266	1472	6.28 ng	97
82)	Phenanthrene	9.069	178	30933	9.60 ng	95
83)	Anthracene	9.122	178	31988	9.79 ng	99
84)	Carbazole	9.293	167	29656	9.38 ng	97
85)	Di-n-butylphthalate	9.689	149	40178	9.58 ng	97
86)	Fluoranthene	10.374	202	33510	9.74 ng	90
88)	Pyrene	10.630	202	36163	9.69 ng	85
89)	Benzidine	10.545	184	11826	9.96 ng	82
91)	p,p'-DDE	10.764	246	7535	8.96 ng	92
92)	Endrin	11.064	81	2824	10.51 ng	77
93)	p,p'-DDD	11.165	235	12405	9.04 ng	84
94)	Butylbenzylphthalate	11.427	149	17459	8.83 ng	89
95)	Endrin aldehyde	11.069	67	694m	7.83 ng	
96)	p,p'-DDT	11.513	235	11429	9.09 ng	91
97)	Endrin ketone	11.973	317	1362	11.65 ng	94
98)	3,3'-Dichlorobenzidine	12.032	252	11392	12.96 ng	96
99)	Benzo[a]anthracene	12.048	228	33966	9.83 ng	96
100)	Chrysene	12.085	228	32053	9.86 ng	93
101)	bis(2-Ethylhexyl)phtha...	12.133	149	25702	9.09 ng	97
103)	Di-n-octylphthalate	12.882	149	41474	8.44 ng	99
104)	Benzo[b]fluoranthene	13.262	252	31717	9.58 ng	92
105)	Benzo[k]fluoranthene	13.289	252	32088	10.29 ng	95
106)	Benzo[a]pyrene	13.599	252	31742	10.30 ng	87
107)	Indeno[1,2,3-cd]pyrene	14.749	276	30591	9.50 ng	85
108)	Dibenzo[a,h]anthracene	14.765	278	26695	10.34 ng	85
109)	Benzo[g,h,i]perylene	15.048	276	27189	9.91 ng	89

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


Abundance
TIC: 9M23470.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M23470.D
Acq On : 03/ 1/10 09:57
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M 0301.M
Qt On : 03/01/10 12:02
Qt Upd On: 03/01/10 09:56
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 9M23471.D
Acq On : 03/ 1/10 10:20

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.265	152	27463	40.00 ng	0.00
29) Naphthalene-d8	6.287	136	102284	40.00 ng	0.00
47) Acenaphthene-d10	7.640	164	57313	40.00 ng	0.00
73) Phenanthrene-d10	9.042	188	96624	40.00 ng	0.00
87) Chrysene-d12	12.058	240	82834	40.00 ng	0.00
102) Perylene-d12	13.657	264	86113	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.009	112	13859	16.26 ng	0.00
Spiked Amount 100.000			Recovery =	16.26%	
15) Phenol-d5	4.977	99	17810	14.06 ng	0.00
Spiked Amount 100.000			Recovery =	14.06%	
30) Nitrobenzene-d5	5.731	128	4177	9.31 ng	0.00
Spiked Amount 50.000			Recovery =	18.62%	
52) 2-Fluorobiphenyl	7.095	172	19342	9.67 ng	0.00
Spiked Amount 50.000			Recovery =	19.34%	
76) 2,4,6-Tribromophenol	8.352	330	3925	21.80 ng	0.00
Spiked Amount 100.000			Recovery =	21.80%	
90) Terphenyl-d14	10.828	244	22902	9.87 ng	0.00
Spiked Amount 50.000			Recovery =	19.74%	
Target Compounds					Qvalue
8) Pyridine	2.195	79	13001	15.60 ng	60
9) N-Nitrosodimethylamine	2.142	74	9381	17.13 ng	82
11) Benzaldehyde	4.880	77	13661	18.09 ng	88
12) Aniline	4.982	93	21737	15.88 ng	18
13) Pentachloroethane	5.014	117	5810	11.34 ng	78
14) bis(2-Chloroethyl)ether	5.046	93	14936	15.44 ng	81
16) Phenol	4.987	94	20544	15.22 ng	79
17) 2-Chlorophenol	5.084	128	16700	17.23 ng	76
18) N-Decane	5.137	57	12102	8.57 ng	61
19) 1,3-Dichlorobenzene	5.212	146	19057	18.47 ng	92
20) 1,4-Dichlorobenzene	5.282	146	19329	17.53 ng	93
21) 1,2-Dichlorobenzene	5.405	146	18439	18.80 ng	99
22) Benzyl alcohol	5.399	108	9662	15.62 ng	86
23) bis(2-chloroisopropyl)...	5.506	45	14978	9.96 ng	62
24) 2-Methylphenol	5.501	108	14926	16.15 ng	92
25) Acetophenone	5.608	105	22593	14.98 ng	66
26) Hexachloroethane	5.677	117	8869	19.73 ng	94
27) N-Nitroso-di-n-propyla...	5.613	70	13127	15.24 ng	81
28) 3&4-Methylphenol	5.629	108	15588	16.65 ng	79
31) Nitrobenzene	5.747	77	18269	15.67 ng	80
32) Isophorone	5.934	82	31777	15.50 ng	87
33) 2-Nitrophenol	5.998	139	9205	18.73 ng	91
34) 2,4-Dimethylphenol	6.041	107	16946	16.81 ng	91
35) Benzoic Acid	6.127	105	6988m	14.37 ng	
36) bis(2-Chloroethoxy)met...	6.111	93	18093	15.91 ng	97
37) 2,4-Dichlorophenol	6.191	162	14478	19.71 ng	85
38) 1,2,4-Trichlorobenzene	6.244	180	16970	19.69 ng	98
39) Naphthalene	6.303	128	51229	18.29 ng	98
40) 4-Chloroaniline	6.351	127	20070	23.31 ng	95
41) Hexachlorobutadiene	6.394	225	9437	19.42 ng	94
42) Caprolactam	6.608	113	4895	14.29 ng	55
43) 4-Chloro-3-methylphenol	6.720	107	14819	17.09 ng	75
44) 2-Methylnaphthalene	6.822	142	34874	18.75 ng	99
45) Methylnaphthalenes (To...	6.822	142	34874	18.75 ng	99
46) 1,1'-Biphenyl	7.175	154	42627	14.61 ng	92
48) 1,2,4,5-Tetrachloroben...	6.945	216	16614	18.91 ng	96
49) Hexachlorocyclopentadiene	6.934	237	1244	6.96 ng	95
50) 2,4,6-Trichlorophenol	7.036	196	9683	19.75 ng	90
51) 2,4,5-Trichlorophenol	7.068	196	10699	20.20 ng	95
53) 2-Chloronaphthalene	7.191	162	33485	19.77 ng	93
54) 1,4-Dimethylnaphthalene	7.453	156	26175	13.27 ng	98
55) Dimethylnaphthalenes (...	7.453	156	26175	13.27 ng	98
56) Diphenyl Ether	7.255	170	23723	18.10 ng	90
57) 2-Nitroaniline	7.271	65	9653	13.19 ng	67
58) Acenaphthylene	7.523	152	53404	18.66 ng	95
59) Dimethylphthalate	7.416	163	39415	19.40 ng	98
60) 2,6-Dinitrotoluene	7.469	165	8668	19.20 ng	72
61) Acenaphthene	7.667	153	34081	18.57 ng	96
62) 3-Nitroaniline	7.614	138	9358	22.74 ng	98
63) 2,4-Dinitrophenol	7.715	184	2907	14.60 ng	91
64) Dibenzofuran	7.817	168	47476	19.35 ng	95
65) 2,4-Dinitrotoluene	7.817	165	12562	20.10 ng	86

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 9M23471.D
Acq On : 03/ 1/10 10:20

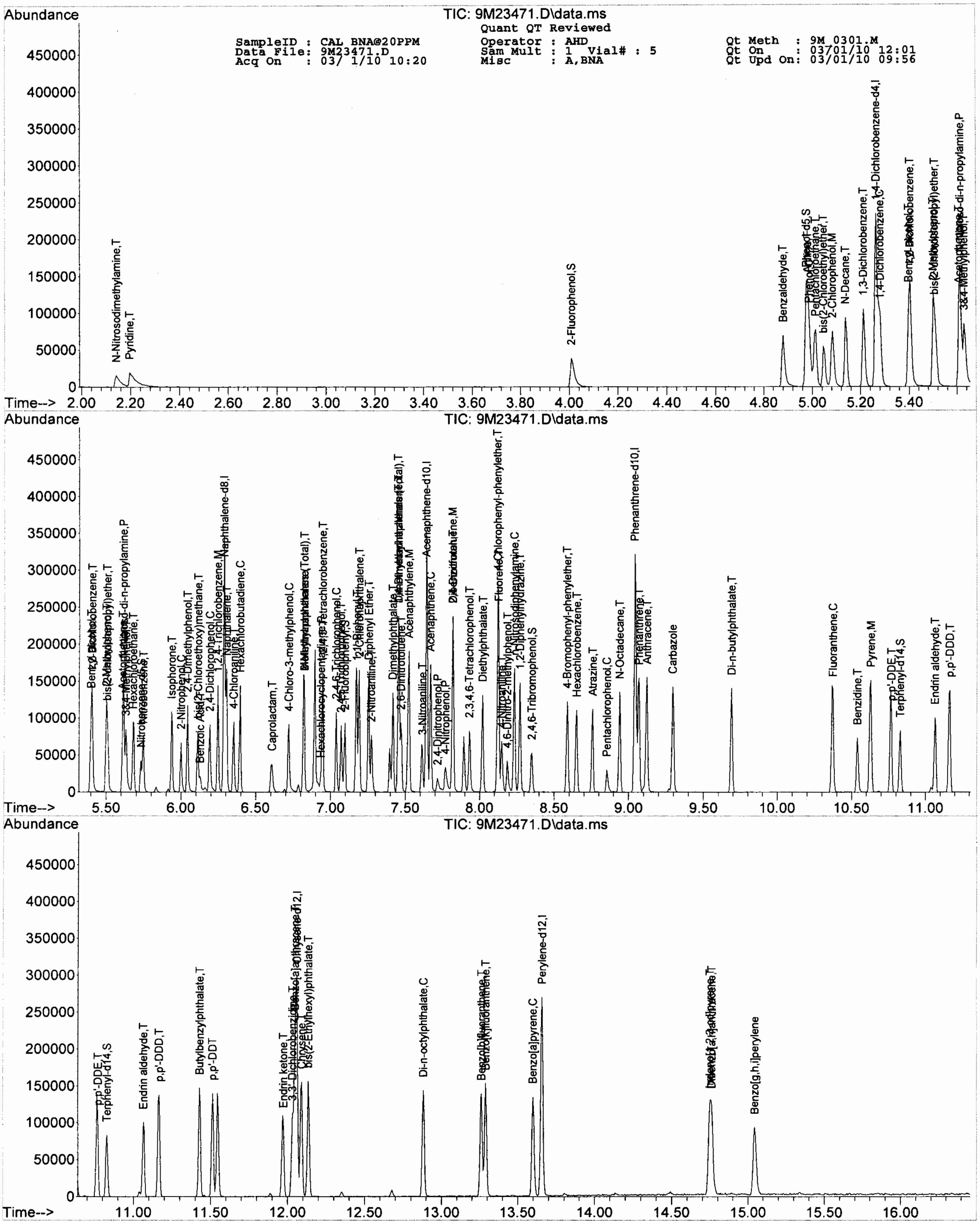
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.769	65	4996	13.85 ng	60
67)	2,3,4,6-Tetrachlorophenol	7.929	232	8234	19.38 ng	91
68)	Fluorene	8.127	166	37126	18.24 ng	99
69)	4-Chlorophenyl-phenyle...	8.122	204	17951	19.62 ng	97
70)	Diethylphthalate	8.020	149	40257	18.89 ng	100
71)	4-Nitroaniline	8.148	138	9229	18.24 ng	84
72)	Atrazine	8.758	200	10292	16.01 ng	94
74)	4,6-Dinitro-2-methylph...	8.186	198	5480	18.13 ng	63
75)	n-Nitrosodiphenylamine	8.234	169	32760	18.55 ng	99
77)	1,2-Diphenylhydrazine	8.271	77	47141	18.02 ng	94
78)	4-Bromophenyl-phenylether	8.587	248	10782	20.01 ng	91
79)	Hexachlorobenzene	8.651	284	10434	19.75 ng	76
80)	N-Octadecane	8.940	57	16423	8.24 ng	62
81)	Pentachlorophenol	8.854	266	3037	13.88 ng	87
82)	Phenanthrene	9.068	178	55222	18.36 ng	97
83)	Anthracene	9.122	178	55565	18.22 ng	98
84)	Carbazole	9.293	167	53645	18.20 ng	97
85)	Di-n-butylphthalate	9.689	149	68418	17.48 ng	99
86)	Fluoranthene	10.373	202	59481	18.52 ng	86
88)	Pyrene	10.630	202	64234	19.10 ng	86
89)	Benzidine	10.539	184	25838	24.15 ng	91
91)	p,p'-DDE	10.769	246	13456	17.76 ng	89
92)	Endrin	11.063	81	4395	18.16 ng	67
93)	p,p'-DDD	11.165	235	22028	17.81 ng	87
94)	Butylbenzylphthalate	11.427	149	31951	17.93 ng	86
95)	Endrin aldehyde	11.063	67	1243	15.56 ng	57
96)	p,p'-DDT	11.513	235	19170	16.92 ng	89
97)	Endrin ketone	11.973	317	2088	19.82 ng	86
98)	3,3'-Dichlorobenzidine	12.031	252	19471	24.59 ng	93
99)	Benzo[a]anthracene	12.048	228	58542	18.80 ng	99
100)	Chrysene	12.090	228	56441	19.27 ng	98
101)	bis(2-Ethylhexyl)phtha...	12.133	149	45803	17.98 ng	98
103)	Di-n-octylphthalate	12.882	149	73785	17.13 ng	99
104)	Benzo[b]fluoranthene	13.262	252	54965	18.93 ng	93
105)	Benzo[k]fluoranthene	13.288	252	55780	20.40 ng	92
106)	Benzo[a]pyrene	13.599	252	52426	19.41 ng	90
107)	Indeno[1,2,3-cd]pyrene	14.749	276	52906	18.73 ng	87
108)	Dibenzo[a,h]anthracene	14.759	278	42716	18.87 ng	87
109)	Benzo[g,h,i]perylene	15.043	276	45618	18.96 ng	90

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


TIC: 9M23471.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M23471.D
Acq On : 03/ 1/10 10:20
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Caprolactam,T
Acenaphthene-d10,I
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 9M23472.D
Acq On : 03/ 1/10 10:43

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.265	152	26446	40.00 ng	0.00
29) Naphthalene-d8	6.287	136	95956	40.00 ng	0.00
47) Acenaphthene-d10	7.646	164	52846	40.00 ng	0.00
73) Phenanthrene-d10	9.047	188	91318	40.00 ng	0.00
87) Chrysene-d12	12.064	240	78190	40.00 ng	0.00
102) Perylene-d12	13.657	264	82204	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.003	112	60672	73.94 ng	0.00
Spiked Amount 100.000			Recovery =	73.94%	
15) Phenol-d5	4.977	99	70811	58.06 ng	0.00
Spiked Amount 100.000			Recovery =	58.06%	
30) Nitrobenzene-d5	5.731	128	15887	37.75 ng	0.00
Spiked Amount 50.000			Recovery =	75.50%	
52) 2-Fluorobiphenyl	7.095	172	72737	39.44 ng	0.00
Spiked Amount 50.000			Recovery =	78.88%	
76) 2,4,6-Tribromophenol	8.357	330	13787	81.01 ng	0.00
Spiked Amount 100.000			Recovery =	81.01%	
90) Terphenyl-d14	10.833	244	90194	41.17 ng	0.00
Spiked Amount 50.000			Recovery =	82.34%	
Target Compounds					Qvalue
8) Pyridine	2.179	79	61773	76.98 ng	56
9) N-Nitrosodimethylamine	2.136	74	37570	71.25 ng	74
11) Benzaldehyde	4.880	77	34917	48.01 ng	86
12) Aniline	4.982	93	85261	64.68 ng	17
13) Pentachloroethane	5.014	117	23278	47.20 ng	78
14) bis(2-Chloroethyl)ether	5.051	93	56509	60.68 ng	82
16) Phenol	4.987	94	83071	63.93 ng	76
17) 2-Chlorophenol	5.084	128	71683	76.81 ng	73
18) N-Decane	5.142	57	43929	32.31 ng	61
19) 1,3-Dichlorobenzene	5.212	146	78673	79.18 ng	98
20) 1,4-Dichlorobenzene	5.281	146	76105	71.69 ng	99
21) 1,2-Dichlorobenzene	5.404	146	72623	76.89 ng	95
22) Benzyl alcohol	5.399	108	39654	66.56 ng	86
23) bis(2-chloroisopropyl)...	5.511	45	59426	41.04 ng	63
24) 2-Methylphenol	5.501	108	54406	61.12 ng	98
25) Acetophenone	5.613	105	87251	60.08 ng	64
26) Hexachloroethane	5.683	117	33542	77.49 ng	78
27) N-Nitroso-di-n-propyla...	5.618	70	47759	57.57 ng	84
28) 3&4-Methylphenol	5.634	108	57833	64.13 ng	93
31) Nitrobenzene	5.747	77	70629	64.56 ng	84
32) Isophorone	5.939	82	123067	63.98 ng	90
33) 2-Nitrophenol	5.998	139	37108	80.47 ng	93
34) 2,4-Dimethylphenol	6.046	107	69232	73.19 ng	99
35) Benzoic Acid	6.159	105	42809m	93.87 ng	
36) bis(2-Chloroethoxy)met...	6.116	93	69314	64.96 ng	94
37) 2,4-Dichlorophenol	6.191	162	56034	81.33 ng	87
38) 1,2,4-Trichlorobenzene	6.250	180	67606	83.61 ng	96
39) Naphthalene	6.303	128	195930	74.56 ng	99
40) 4-Chloroaniline	6.351	127	70924	87.79 ng	99
41) Hexachlorobutadiene	6.394	225	36077	79.13 ng	96
42) Caprolactam	6.645	113	21122	65.75 ng	57
43) 4-Chloro-3-methylphenol	6.726	107	57141	70.24 ng	76
44) 2-Methylnaphthalene	6.822	142	129004	73.91 ng	96
45) Methylnaphthalenes (To...	6.822	142	129004	73.91 ng	96
46) 1,1'-Biphenyl	7.175	154	159890	58.40 ng	94
48) 1,2,4,5-Tetrachloroben...	6.945	216	64069	79.09 ng	94
49) Hexachlorocyclopentadiene	6.934	237	15004	91.08 ng	98
50) 2,4,6-Trichlorophenol	7.036	196	37555	83.09 ng	99
51) 2,4,5-Trichlorophenol	7.073	196	39740	81.38 ng	97
53) 2-Chloronaphthalene	7.191	162	123239	78.90 ng	97
54) 1,4-Dimethylnaphthalene	7.458	156	91646	50.41 ng	96
55) Dimethylnaphthalenes (...	7.458	156	91646	50.41 ng	96
56) Diphenyl Ether	7.255	170	86864	71.88 ng	89
57) 2-Nitroaniline	7.276	65	36581	54.21 ng	63
58) Acenaphthylene	7.528	152	197875	75.00 ng	98
59) Dimethylphthalate	7.426	163	146409	78.14 ng	99
60) 2,6-Dinitrotoluene	7.474	165	32508	78.09 ng	76
61) Acenaphthene	7.672	153	126873	74.98 ng	95
62) 3-Nitroaniline	7.619	138	32146	84.70 ng	78
63) 2,4-Dinitrophenol	7.715	184	17344	94.48 ng	86
64) Dibenzofuran	7.822	168	166724	73.71 ng	95
65) 2,4-Dinitrotoluene	7.822	165	45394	78.79 ng	87

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 9M23472.D
Acq On : 03/ 1/10 10:43

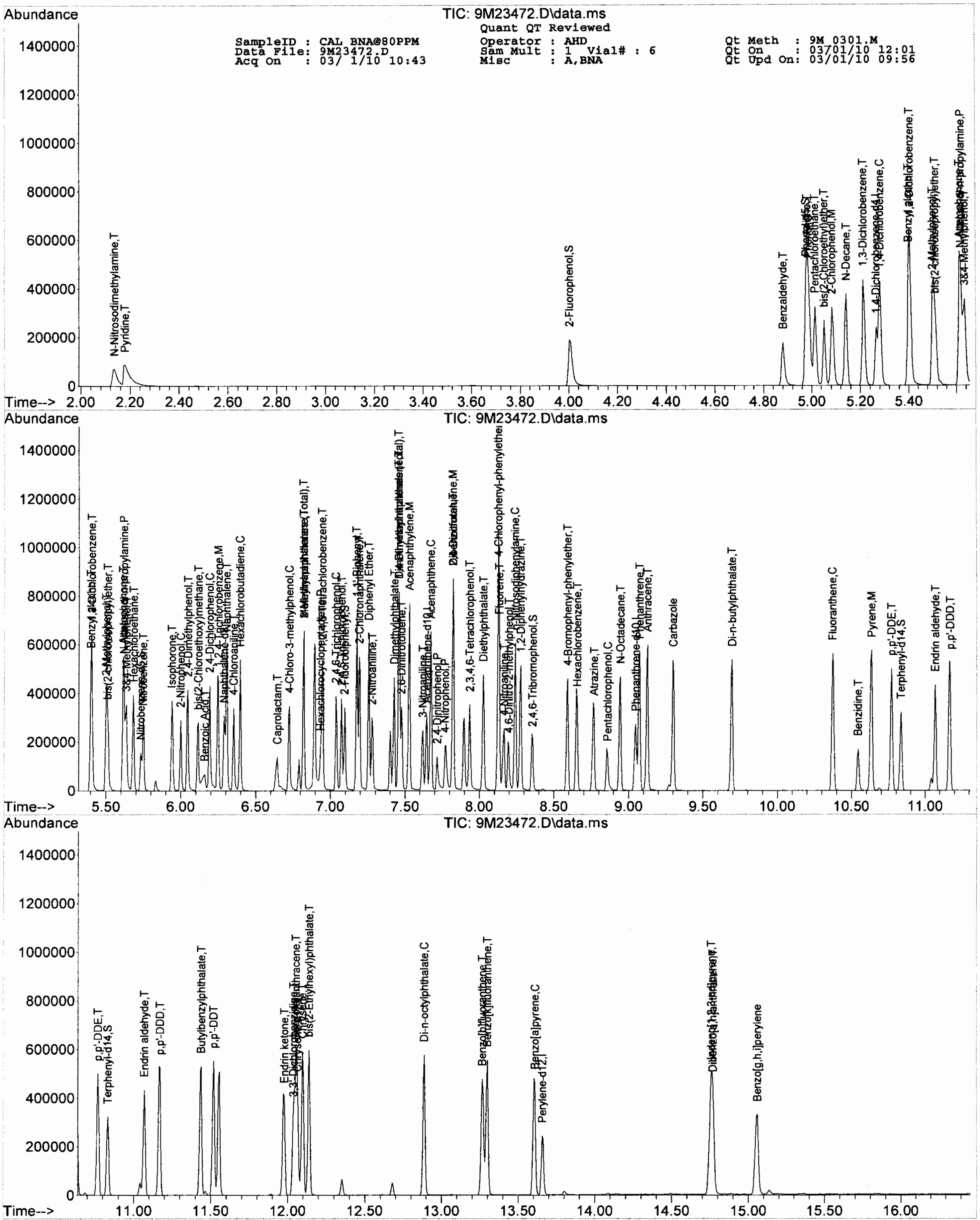
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.769	65	21023	63.20 ng	63
67)	2,3,4,6-Tetrachlorophenol	7.934	232	31699	80.90 ng	89
68)	Fluorene	8.132	166	140968	75.12 ng	99
69)	4-Chlorophenyl-phenyle...	8.127	204	67394	79.90 ng	89
70)	Diethylphthalate	8.025	149	153519	78.11 ng	99
71)	4-Nitroaniline	8.164	138	35604	76.30 ng	89
72)	Atrazine	8.769	200	42648	71.94 ng	93
74)	4,6-Dinitro-2-methylph...	8.196	198	26837	93.97 ng	60
75)	n-Nitrosodiphenylamine	8.239	169	122056	73.14 ng	98
77)	1,2-Diphenylhydrazine	8.277	77	175903	71.16 ng	91
78)	4-Bromophenyl-phenylether	8.592	248	39890	78.32 ng	91
79)	Hexachlorobenzene	8.656	284	40219	80.56 ng	69
80)	N-Octadecane	8.945	57	63772	33.84 ng	64
81)	Pentachlorophenol	8.860	266	17987	86.96 ng	96
82)	Phenanthrene	9.074	178	211778	74.51 ng	99
83)	Anthracene	9.127	178	213151	73.96 ng	99
84)	Carbazole	9.298	167	202219	72.57 ng	98
85)	Di-n-butylphthalate	9.694	149	270830	73.22 ng	98
86)	Fluoranthene	10.373	202	229482	75.61 ng	92
88)	Pyrene	10.635	202	244548	77.02 ng	85
89)	Benzidine	10.544	184	59127	58.54 ng	84
91)	p,p'-DDE	10.769	246	53784	75.19 ng	89
92)	Endrin	11.069	81	19371	84.77 ng	80
93)	p,p'-DDD	11.170	235	87566	75.01 ng	87
94)	Butylbenzylphthalate	11.438	149	124335	73.92 ng	83
95)	Endrin aldehyde	11.069	67	4639	61.51 ng	69
96)	p,p'-DDT	11.518	235	81951	76.63 ng	93
97)	Endrin ketone	11.978	317	7195	72.35 ng	87
98)	3,3'-Dichlorobenzidine	12.037	252	58733	78.57 ng	97
99)	Benzo[a]anthracene	12.053	228	219035	74.50 ng	98
100)	Chrysene	12.096	228	212221	76.75 ng	98
101)	bis(2-Ethylhexyl)phtha...	12.138	149	180600	75.10 ng	99
103)	Di-n-octylphthalate	12.887	149	294625	71.65 ng	99
104)	Benzo[b]fluoranthene	13.267	252	219692	79.26 ng	92
105)	Benzo[k]fluoranthene	13.299	252	202468	77.56 ng	91
106)	Benzo[a]pyrene	13.609	252	200149	77.61 ng	90
107)	Indeno[1,2,3-cd]pyrene	14.759	276	201697	74.81 ng	89
108)	Dibenzo[a,h]anthracene	14.770	278	164931	76.31 ng	90
109)	Benzo[g,h,i]perylene	15.059	276	175654	76.48 ng	87

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


Abundance
TIC: 9M23472.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M23472.D
Acq On : 03/ 1/10 10:43
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56
Time-->
Abundance
TIC: 9M23472.D\data.ms
Time-->
Abundance
TIC: 9M23472.D\data.ms
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0301.M
Data File: 9M23473.D Sam Mult : 1 Vial# : 7 Qt On : 03/01/10 12:01
Acq On : 03/ 1/10 11:05 Misc : A,BNA Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.265	152	27421	40.00	ng	0.00
29) Naphthalene-d8	6.292	136	97857	40.00	ng	0.00
47) Acenaphthene-d10	7.646	164	56362	40.00	ng	0.00
73) Phenanthrene-d10	9.047	188	93802	40.00	ng	0.00
87) Chrysene-d12	12.069	240	82354	40.00	ng	0.00
102) Perylene-d12	13.657	264	85759	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.003	112	93726	110.16	ng	0.00
Spiked Amount 100.000			Recovery	=	110.16%	
15) Phenol-d5	4.982	99	113142	89.47	ng	0.00
Spiked Amount 100.000			Recovery	=	89.47%	
30) Nitrobenzene-d5	5.736	128	26990	62.89	ng	0.00
Spiked Amount 50.000			Recovery	=	125.78%	
52) 2-Fluorobiphenyl	7.100	172	107260	54.53	ng	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
76) 2,4,6-Tribromophenol	8.357	330	20804	119.00	ng	0.00
Spiked Amount 100.000			Recovery	=	119.00%	
90) Terphenyl-d14	10.833	244	133627	57.91	ng	0.00
Spiked Amount 50.000			Recovery	=	115.82%	
Target Compounds						Qvalue
8) Pyridine	2.174	79	97497	117.17	ng	61
9) N-Nitrosodimethylamine	2.137	74	58667	107.30	ng	77
11) Benzaldehyde	4.880	77	28376	37.63	ng	85
12) Aniline	4.982	93	125199	91.60	ng	16
13) Pentachloroethane	5.014	117	34556	67.58	ng	78
14) bis(2-Chloroethyl)ether	5.057	93	83077	86.03	ng	82
16) Phenol	4.993	94	123695	91.80	ng	89
17) 2-Chlorophenol	5.089	128	106037	109.58	ng	72
18) N-Decane	5.142	57	67499	47.88	ng	54
19) 1,3-Dichlorobenzene	5.217	146	111689	108.41	ng	97
20) 1,4-Dichlorobenzene	5.282	146	115809	105.22	ng	98
21) 1,2-Dichlorobenzene	5.405	146	104911	107.13	ng	96
22) Benzyl alcohol	5.405	108	59603	96.49	ng	83
23) bis(2-chloroisopropyl)...	5.512	45	88234	58.76	ng	50
24) 2-Methylphenol	5.501	108	82877	89.80	ng	100
25) Acetophenone	5.618	105	126245	83.84	ng	65
26) Hexachloroethane	5.683	117	52003	115.86	ng	92
27) N-Nitroso-di-n-propyla...	5.624	70	70262	81.68	ng	78
28) 3&4-Methylphenol	5.635	108	88193	94.32	ng	90
31) Nitrobenzene	5.752	77	108734	97.47	ng	84
32) Isophorone	5.945	82	187727	95.69	ng	86
33) 2-Nitrophenol	6.004	139	55540	118.10	ng	90
34) 2,4-Dimethylphenol	6.046	107	103383	107.16	ng	98
35) Benzoic Acid	6.175	105	69243m	148.88	ng	
36) bis(2-Chloroethoxy)met...	6.116	93	103663	95.26	ng	94
37) 2,4-Dichlorophenol	6.196	162	84419	120.14	ng	85
38) 1,2,4-Trichlorobenzene	6.250	180	97810	118.61	ng	94
39) Naphthalene	6.308	128	292881	109.29	ng	98
40) 4-Chloroaniline	6.351	127	89349	108.44	ng	98
41) Hexachlorobutadiene	6.394	225	55313	118.96	ng	94
42) Caprolactam	6.661	113	27663	84.44	ng	53
43) 4-Chloro-3-methylphenol	6.726	107	84416	101.75	ng	78
44) 2-Methylnaphthalene	6.822	142	194949	109.53	ng	96
45) Methylnaphthalenes (To...	6.822	142	194949	109.53	ng	96
46) 1,1'-Biphenyl	7.175	154	245673	87.99	ng	95
48) 1,2,4,5-Tetrachloroben...	6.950	216	94455	109.33	ng	96
49) Hexachlorocyclopentadiene	6.934	237	27657	157.41	ng	95
50) 2,4,6-Trichlorophenol	7.041	196	57455	119.19	ng	97
51) 2,4,5-Trichlorophenol	7.073	196	60421	116.01	ng	98
53) 2-Chloronaphthalene	7.196	162	188739	113.30	ng	95
54) 1,4-Dimethylnaphthalene	7.458	156	137948	71.14	ng	97
55) Dimethylnaphthalenes (...	7.458	156	137948	71.14	ng	97
56) Diphenyl Ether	7.255	170	131370	101.92	ng	92
57) 2-Nitroaniline	7.282	65	55656	77.34	ng	61
58) Acenaphthylene	7.528	152	295791	105.12	ng	99
59) Dimethylphthalate	7.432	163	217692	108.94	ng	99
60) 2,6-Dinitrotoluene	7.480	165	49659	111.85	ng	67
61) Acenaphthene	7.678	153	190739	105.69	ng	94
62) 3-Nitroaniline	7.619	138	44107	108.97	ng	71
63) 2,4-Dinitrophenol	7.721	184	26972	137.76	ng	90
64) Dibenzofuran	7.822	168	251089	104.09	ng	93
65) 2,4-Dinitrotoluene	7.827	165	65611	106.77	ng	90

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM
Data File: 9M23473.D
Acq On : 03/ 1/10 11:05

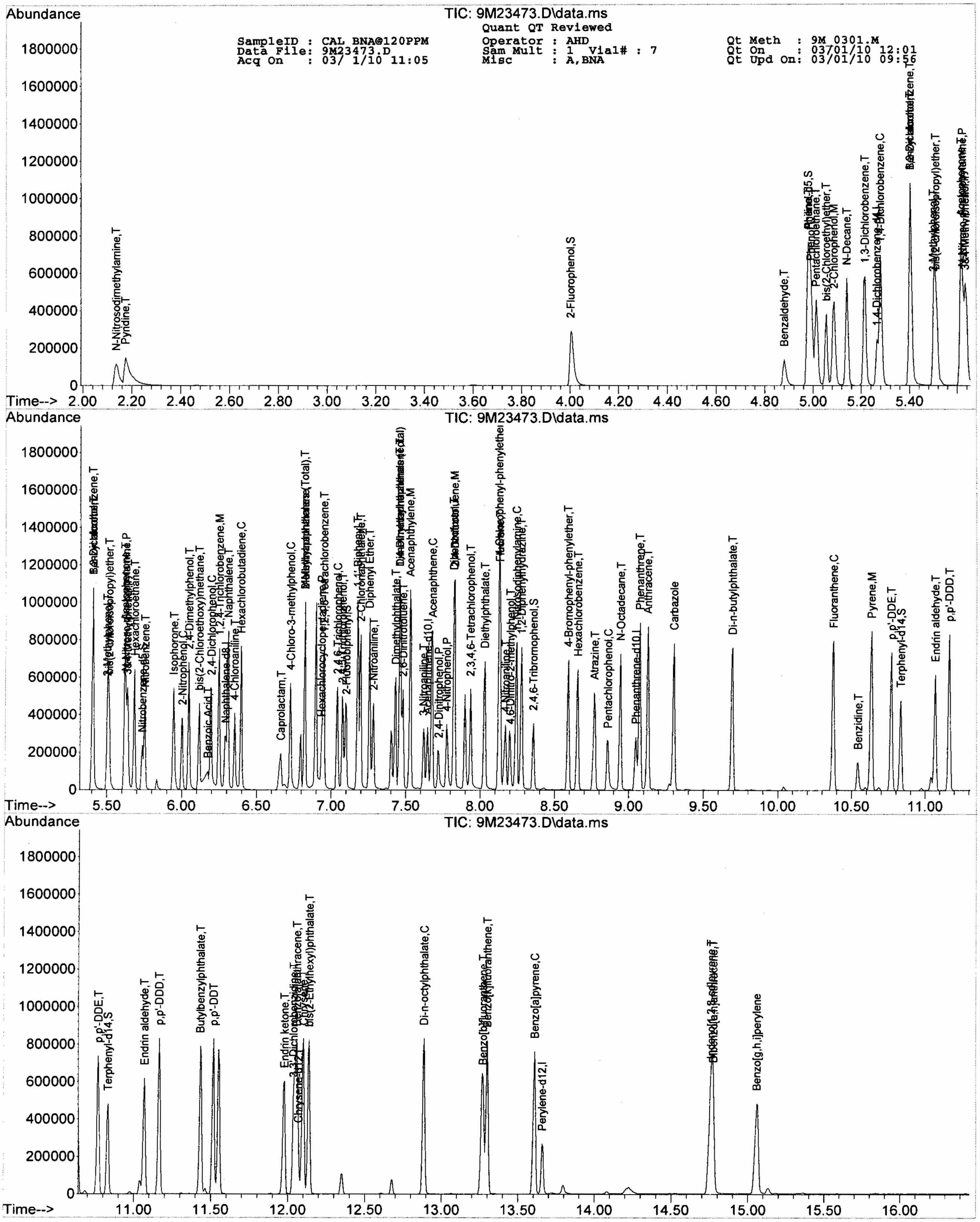
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.774	65	32057	90.36 ng	45
67)	2,3,4,6-Tetrachlorophenol	7.934	232	47965	114.77 ng	87
68)	Fluorene	8.132	166	203036	101.45 ng	98
69)	4-Chlorophenyl-phenyle...	8.127	204	96759	107.56 ng	92
70)	Diethylphthalate	8.031	149	227709	108.62 ng	98
71)	4-Nitroaniline	8.170	138	55298	111.11 ng	91
72)	Atrazine	8.769	200	64611	102.19 ng	95
74)	4,6-Dinitro-2-methylph...	8.202	198	42096	143.49 ng	55
75)	n-Nitrosodiphenylamine	8.245	169	175286	102.25 ng	96
77)	1,2-Diphenylhydrazine	8.277	77	268499	105.75 ng	94
78)	4-Bromophenyl-phenylether	8.592	248	60181	115.03 ng	94
79)	Hexachlorobenzene	8.657	284	59479	115.99 ng	82
80)	N-Octadecane	8.945	57	93749	48.43 ng	61
81)	Pentachlorophenol	8.860	266	27024	127.19 ng	95
82)	Phenanthrene	9.074	178	308813	105.77 ng	99
83)	Anthracene	9.127	178	319033	107.76 ng	99
84)	Carbazole	9.304	167	298355	104.24 ng	99
85)	Di-n-butylphthalate	9.694	149	401330	105.63 ng	98
86)	Fluoranthene	10.379	202	343591	110.20 ng	84
88)	Pyrene	10.636	202	365055	109.15 ng	83
89)	Benzidine	10.545	184	55986	52.63 ng	83
91)	p,p'-DDE	10.769	246	78352	103.99 ng	88
92)	Endrin	11.069	81	28660	119.08 ng	80
93)	p,p'-DDD	11.165	235	129065	104.97 ng	89
94)	Butylbenzylphthalate	11.432	149	185015	104.43 ng	84
95)	Endrin aldehyde	11.069	67	7378	92.88 ng	71
96)	p,p'-DDT	11.518	235	120936	107.36 ng	93
97)	Endrin ketone	11.978	317	12249	116.94 ng	97
98)	3,3'-Dichlorobenzidine	12.037	252	82817	105.19 ng	92
99)	Benzo[a]anthracene	12.058	228	333066	107.56 ng	99
100)	Chrysene	12.101	228	311357	106.91 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.138	149	258406	102.03 ng	98
103)	Di-n-octylphthalate	12.887	149	443917	103.47 ng	99
104)	Benzo[b]fluoranthene	13.272	252	326164	112.79 ng	92
105)	Benzo[k]fluoranthene	13.299	252	303011	111.27 ng	93
106)	Benzo[a]pyrene	13.609	252	306946	114.09 ng	92
107)	Indeno[1,2,3-cd]pyrene	14.759	276	315377	112.13 ng	90
108)	Dibenzo[a,h]anthracene	14.775	278	261628	116.03 ng	88
109)	Benzo[g,h,i]perylene	15.059	276	274626	114.62 ng	87

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



TIC: 9M23473.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M23473.D
Acq On : 03/ 1/10 11:05
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:01
Qt Upd On: 03/01/10 09:56
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM   Operator : AHD   Qt Meth : 9M_0301.M
Data File: 9M23474.D   Sam Mult : 1 Vial# : 8   Qt On : 03/01/10 12:02
Acq On : 03/ 1/10 11:28   Misc : A,BNA   Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.266	152	27851	40.00 ng	0.00
29) Naphthalene-d8	6.292	136	101155	40.00 ng	0.00
47) Acenaphthene-d10	7.646	164	56718	40.00 ng	0.00
73) Phenanthrene-d10	9.047	188	96597	40.00 ng	0.00
87) Chrysene-d12	12.069	240	82050	40.00 ng	0.00
102) Perylene-d12	13.663	264	88342	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.009	112	131064	151.67 ng	0.00
Spiked Amount 100.000			Recovery	= 151.67%	
15) Phenol-d5	4.987	99	155030	120.71 ng	0.01
Spiked Amount 100.000			Recovery	= 120.71%	
30) Nitrobenzene-d5	5.736	128	35793	80.69 ng	0.00
Spiked Amount 50.000			Recovery	= 161.38%	
52) 2-Fluorobiphenyl	7.100	172	149736	75.64 ng	0.00
Spiked Amount 50.000			Recovery	= 151.28%	
76) 2,4,6-Tribromophenol	8.362	330	29313	162.82 ng	0.00
Spiked Amount 100.000			Recovery	= 162.82%	
90) Terphenyl-d14	10.833	244	183189	79.69 ng	0.00
Spiked Amount 50.000			Recovery	= 159.38%	
Target Compounds					Qvalue
8) Pyridine	2.174	79	128851	152.46 ng	60
9) N-Nitrosodimethylamine	2.142	74	79551	143.26 ng	78
11) Benzaldehyde	4.880	77	30623	39.98 ng	86
12) Aniline	4.987	93	171294	123.39 ng	16
13) Pentachloroethane	5.014	117	48586	93.55 ng	80
14) bis(2-Chloroethyl)ether	5.057	93	115335	117.60 ng	82
16) Phenol	4.998	94	170933	124.90 ng	92
17) 2-Chlorophenol	5.089	128	145643	148.18 ng	75
18) N-Decane	5.143	57	90490	63.20 ng	60
19) 1,3-Dichlorobenzene	5.217	146	151786	145.05 ng	95
20) 1,4-Dichlorobenzene	5.282	146	154052	137.80 ng	97
21) 1,2-Dichlorobenzene	5.410	146	137967	138.71 ng	99
22) Benzyl alcohol	5.405	108	81088	129.24 ng	86
23) bis(2-chloroisopropyl)...	5.517	45	119565	78.40 ng	49
24) 2-Methylphenol	5.506	108	114263	121.90 ng	99
25) Acetophenone	5.619	105	171617	112.21 ng	69
26) Hexachloroethane	5.683	117	67827	148.78 ng	88
27) N-Nitroso-di-n-propyla...	5.629	70	98729	113.00 ng	75
28) 3&4-Methylphenol	5.640	108	121626	128.07 ng	95
31) Nitrobenzene	5.752	77	148686	128.93 ng	88
32) Isophorone	5.950	82	259939	128.18 ng	85
33) 2-Nitrophenol	6.004	139	77472	159.37 ng	98
34) 2,4-Dimethylphenol	6.052	107	144260	144.66 ng	99
35) Benzoic Acid	6.196	105	99947m	207.89 ng	
36) bis(2-Chloroethoxy)met...	6.121	93	143622	127.68 ng	96
37) 2,4-Dichlorophenol	6.196	162	112062	154.29 ng	85
38) 1,2,4-Trichlorobenzene	6.250	180	134034	157.24 ng	98
39) Naphthalene	6.309	128	395726	142.85 ng	99
40) 4-Chloroaniline	6.357	127	107028	125.67 ng	98
41) Hexachlorobutadiene	6.399	225	72727	151.31 ng	99
42) Caprolactam	6.678	113	36631	108.16 ng	57
43) 4-Chloro-3-methylphenol	6.731	107	118885	138.63 ng	78
44) 2-Methylnaphthalene	6.822	142	268600	145.99 ng	98
45) Methylnaphthalenes (To...	6.822	142	268600	145.99 ng	98
46) 1,1'-Biphenyl	7.180	154	325123	112.65 ng	94
48) 1,2,4,5-Tetrachloroben...	6.950	216	128180	147.43 ng	96
49) Hexachlorocyclopentadiene	6.940	237	43662	246.94 ng	99
50) 2,4,6-Trichlorophenol	7.041	196	77317	159.39 ng	98
51) 2,4,5-Trichlorophenol	7.079	196	86910	165.83 ng	95
53) 2-Chloronaphthalene	7.196	162	256601	153.07 ng	96
54) 1,4-Dimethylnaphthalene	7.464	156	187286	95.98 ng	97
55) Dimethylnaphthalenes (...	7.464	156	187286	95.98 ng	97
56) Diphenyl Ether	7.261	170	174869	134.82 ng	88
57) 2-Nitroaniline	7.287	65	76400	105.50 ng	58
58) Acenaphthylene	7.533	152	400106	141.30 ng	99
59) Dimethylphthalate	7.437	163	302172	150.27 ng	99
60) 2,6-Dinitrotoluene	7.485	165	67755	151.65 ng	73
61) Acenaphthene	7.678	153	257606	141.85 ng	94
62) 3-Nitroaniline	7.624	138	56812	139.47 ng	69
63) 2,4-Dinitrophenol	7.726	184	39522	200.59 ng	89
64) Dibenzofuran	7.828	168	344691	141.99 ng	91
65) 2,4-Dinitrotoluene	7.833	165	89936	145.44 ng	82

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM
Data File: 9M23474.D
Acq On : 03/ 1/10 11:28

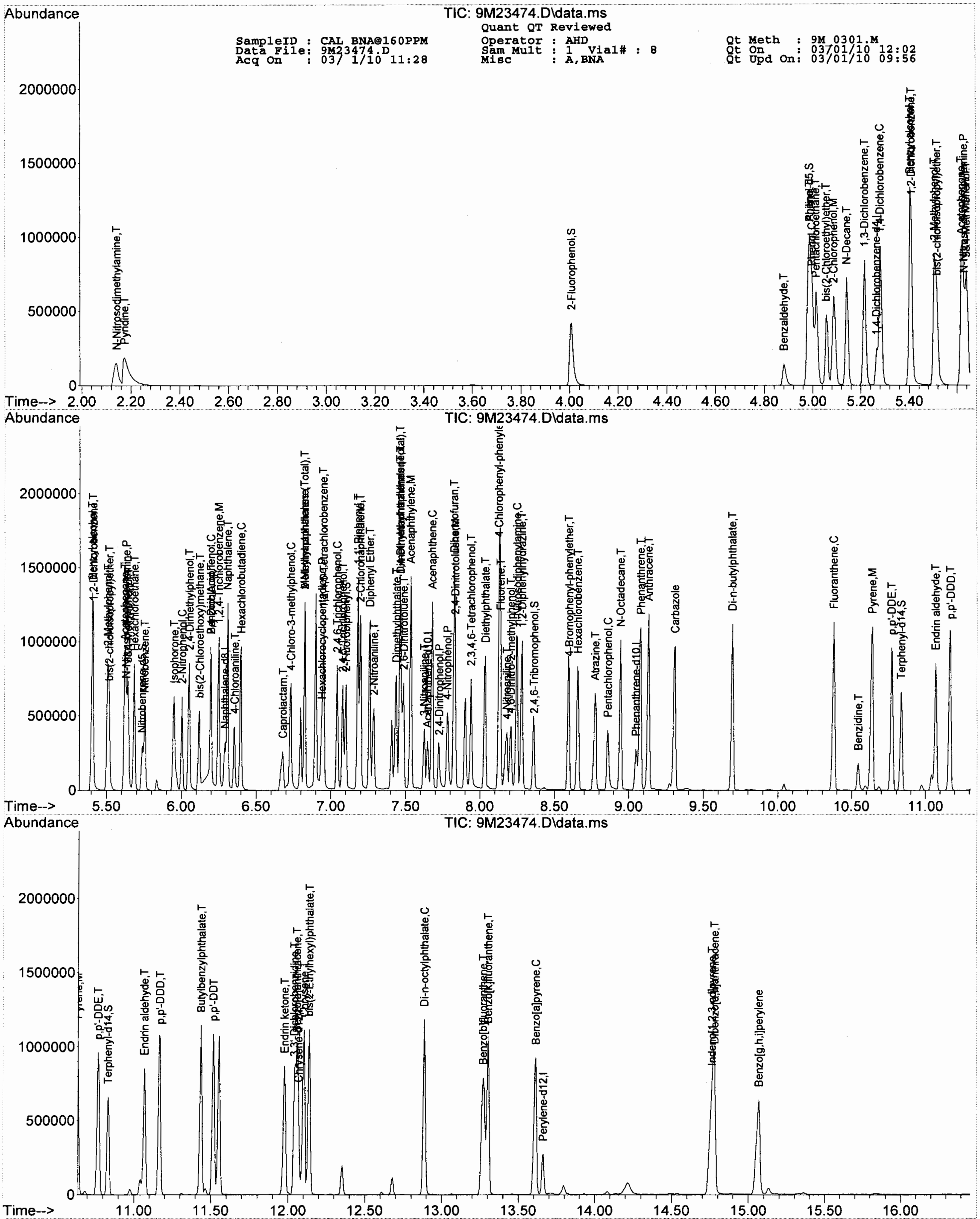
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:02
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.779	65	48292	135.27 ng	66
67)	2,3,4,6-Tetrachlorophenol	7.940	232	69707	165.75 ng	91
68)	Fluorene	8.138	166	279736	138.90 ng	99
69)	4-Chlorophenyl-phenyle...	8.127	204	131229	144.96 ng	96
70)	Diethylphthalate	8.036	149	315156	149.40 ng	99
71)	4-Nitroaniline	8.181	138	74778	149.31 ng	90
72)	Atrazine	8.774	200	86710	136.28 ng	99
74)	4,6-Dinitro-2-methylph...	8.207	198	57109	189.03 ng	36
75)	n-Nitrosodiphenylamine	8.250	169	251637	142.54 ng	99
77)	1,2-Diphenylhydrazine	8.282	77	363553	139.04 ng	93
78)	4-Bromophenyl-phenylether	8.598	248	82669	153.44 ng	90
79)	Hexachlorobenzene	8.657	284	82181	155.62 ng	78
80)	N-Octadecane	8.945	57	131447	65.94 ng	61
81)	Pentachlorophenol	8.860	266	39717	181.52 ng	97
82)	Phenanthrene	9.079	178	431777	143.61 ng	99
83)	Anthracene	9.133	178	435682	142.90 ng	98
84)	Carbazole	9.309	167	423507	143.69 ng	98
85)	Di-n-butylphthalate	9.694	149	561678	143.55 ng	99
86)	Fluoranthene	10.379	202	476094	148.28 ng	90
88)	Pyrene	10.641	202	506973	152.15 ng	84
89)	Benzidine	10.545	184	66632	62.87 ng	82
91)	p,p'-DDE	10.769	246	110002	146.54 ng	88
92)	Endrin	11.069	81	40729	169.85 ng	79
93)	p,p'-DDD	11.170	235	180836	147.62 ng	87
94)	Butylbenzylphthalate	11.438	149	261789	148.32 ng	84
95)	Endrin aldehyde	11.069	67	9377	118.48 ng	73
96)	p,p'-DDT	11.518	235	166071	147.98 ng	92
97)	Endrin ketone	11.978	317	16696	159.99 ng	94
98)	3,3'-Dichlorobenzidine	12.042	252	106591	135.89 ng	98
99)	Benzo[a]anthracene	12.058	228	460638	149.31 ng	100
100)	Chrysene	12.106	228	431108	148.57 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.139	149	369233	146.32 ng	99
103)	Di-n-octylphthalate	12.887	149	621150	140.55 ng	99
104)	Benzo[b]fluoranthene	13.272	252	475468	159.62 ng	93
105)	Benzo[k]fluoranthene	13.305	252	407779	145.36 ng	94
106)	Benzo[a]pyrene	13.615	252	417337	150.59 ng	91
107)	Indeno[1,2,3-cd]pyrene	14.765	276	436452	150.64 ng	89
108)	Dibenzo[a,h]anthracene	14.781	278	355124	152.89 ng	89
109)	Benzo[g,h,i]perylene	15.070	276	369751	149.81 ng	86

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



Abundance
TIC: 9M23474.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M23474.D
Acq On : 03/ 1/10 11:28
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:02
Qt Upd On: 03/01/10 09:56
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Naphthalene-d8,I
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Nitroaniline,T
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
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-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
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
Endrin ketone,T
Chrysene
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

SampleID : CAL BNA@196PPM   Operator : AHD   Qt Meth : 9M_0301.M
Data File: 9M23475.D   Sam Mult : 1 Vial# : 9   Qt On : 03/01/10 12:14
Acq On : 03/ 1/10 11:51   Misc : A,BNA   Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.265	152	27647	40.00 ng	0.00
29) Naphthalene-d8	6.292	136	105816	40.00 ng	0.00
47) Acenaphthene-d10	7.651	164	59899	40.00 ng	0.00
73) Phenanthrene-d10	9.047	188	101572	40.00 ng	0.00
87) Chrysene-d12	12.074	240	79056	40.00 ng	0.00
102) Perylene-d12	13.663	264	84861	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.009	112	167801	195.61 ng	0.00
Spiked Amount 100.000			Recovery =	195.61%	
15) Phenol-d5	4.987	99	200868	157.55 ng	0.01
Spiked Amount 100.000			Recovery =	157.55%	
30) Nitrobenzene-d5	5.742	128	45040	97.06 ng	0.01
Spiked Amount 50.000			Recovery =	194.12%	
52) 2-Fluorobiphenyl	7.100	172	187030	89.46 ng	0.00
Spiked Amount 50.000			Recovery =	178.92%	
76) 2,4,6-Tribromophenol	8.362	330	37038	195.65 ng	0.00
Spiked Amount 100.000			Recovery =	195.65%	
90) Terphenyl-d14	10.833	244	229235	103.50 ng	0.00
Spiked Amount 50.000			Recovery =	207.00%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
8) Pyridine	2.169	79	170381	203.09 ng	59
9) N-Nitrosodimethylamine	2.142	74	102131	185.28 ng	79
11) Benzaldehyde	4.880	77	33725	44.35 ng	79
12) Aniline	4.987	93	211891	153.77 ng	15
13) Pentachloroethane	5.014	117	61438	119.17 ng	82
14) bis(2-Chloroethyl)ether	5.062	93	156494	160.74 ng	80
16) Phenol	5.003	94	217134	159.83 ng	96
17) 2-Chlorophenol	5.089	128	184964	189.58 ng	76
18) N-Decane	5.142	57	116166	81.73 ng	65
19) 1,3-Dichlorobenzene	5.217	146	193680	186.45 ng	98
20) 1,4-Dichlorobenzene	5.282	146	194239	175.03 ng	96
21) 1,2-Dichlorobenzene	5.410	146	173129	175.35 ng	98
22) Benzyl alcohol	5.410	108	102836	165.11 ng	87
23) bis(2-chloroisopropyl)...	5.517	45	148326	97.98 ng	50
24) 2-Methylphenol	5.506	108	143467	154.18 ng	97
25) Acetophenone	5.624	105	220293	145.10 ng	65
26) Hexachloroethane	5.683	117	85514	188.97 ng	91
27) N-Nitroso-di-n-propyla...	5.635	70	124015	142.99 ng	76
28) 3&4-Methylphenol	5.645	108	155000	164.41 ng	96
31) Nitrobenzene	5.758	77	191080	158.40 ng	83
32) Isophorone	5.950	82	346303	163.25 ng	84
33) 2-Nitrophenol	6.004	139	103857	204.24 ng	95
34) 2,4-Dimethylphenol	6.057	107	184176	176.55 ng	98
35) Benzoic Acid	6.212	105	126714m	251.96 ng	
36) bis(2-Chloroethoxy)met...	6.121	93	190442	161.85 ng	97
37) 2,4-Dichlorophenol	6.201	162	146993	193.46 ng	86
38) 1,2,4-Trichlorobenzene	6.250	180	166370	186.58 ng	97
39) Naphthalene	6.308	128	502163	173.29 ng	99
40) 4-Chloroaniline	6.357	127	117257	131.61 ng	99
41) Hexachlorobutadiene	6.399	225	93239	185.44 ng	98
42) Caprolactam	6.688	113	49344	139.28 ng	58
43) 4-Chloro-3-methylphenol	6.731	107	156508	174.46 ng	83
44) 2-Methylnaphthalene	6.827	142	337219	175.21 ng	97
45) Methylnaphthalenes (To...	6.827	142	337219	175.21 ng	97
46) 1,1'-Biphenyl	7.180	154	415487	137.62 ng	95
48) 1,2,4,5-Tetrachloroben...	6.956	216	158062	172.14 ng	97
49) Hexachlorocyclopentadiene	6.940	237	61358	328.60 ng	97
50) 2,4,6-Trichlorophenol	7.041	196	104558	204.10 ng	96
51) 2,4,5-Trichlorophenol	7.079	196	112214	202.74 ng	99
53) 2-Chloronaphthalene	7.202	162	322711	182.28 ng	94
54) 1,4-Dimethylnaphthalene	7.464	156	237164	115.09 ng	96
55) Dimethylnaphthalenes (...	7.464	156	237164	115.09 ng	96
56) Diphenyl Ether	7.261	170	221828	161.94 ng	90
57) 2-Nitroaniline	7.287	65	97356	127.30 ng	63
58) Acenaphthylene	7.539	152	500107	167.24 ng	98
59) Dimethylphthalate	7.442	163	385697	181.62 ng	98
60) 2,6-Dinitrotoluene	7.491	165	87402	185.23 ng	65
61) Acenaphthene	7.683	153	326277	170.12 ng	95
62) 3-Nitroaniline	7.630	138	70661	164.26 ng	78
63) 2,4-Dinitrophenol	7.726	184	54552	262.17 ng	81
64) Dibenzofuran	7.827	168	431701	168.39 ng	93
65) 2,4-Dinitrotoluene	7.838	165	116552	178.47 ng	73

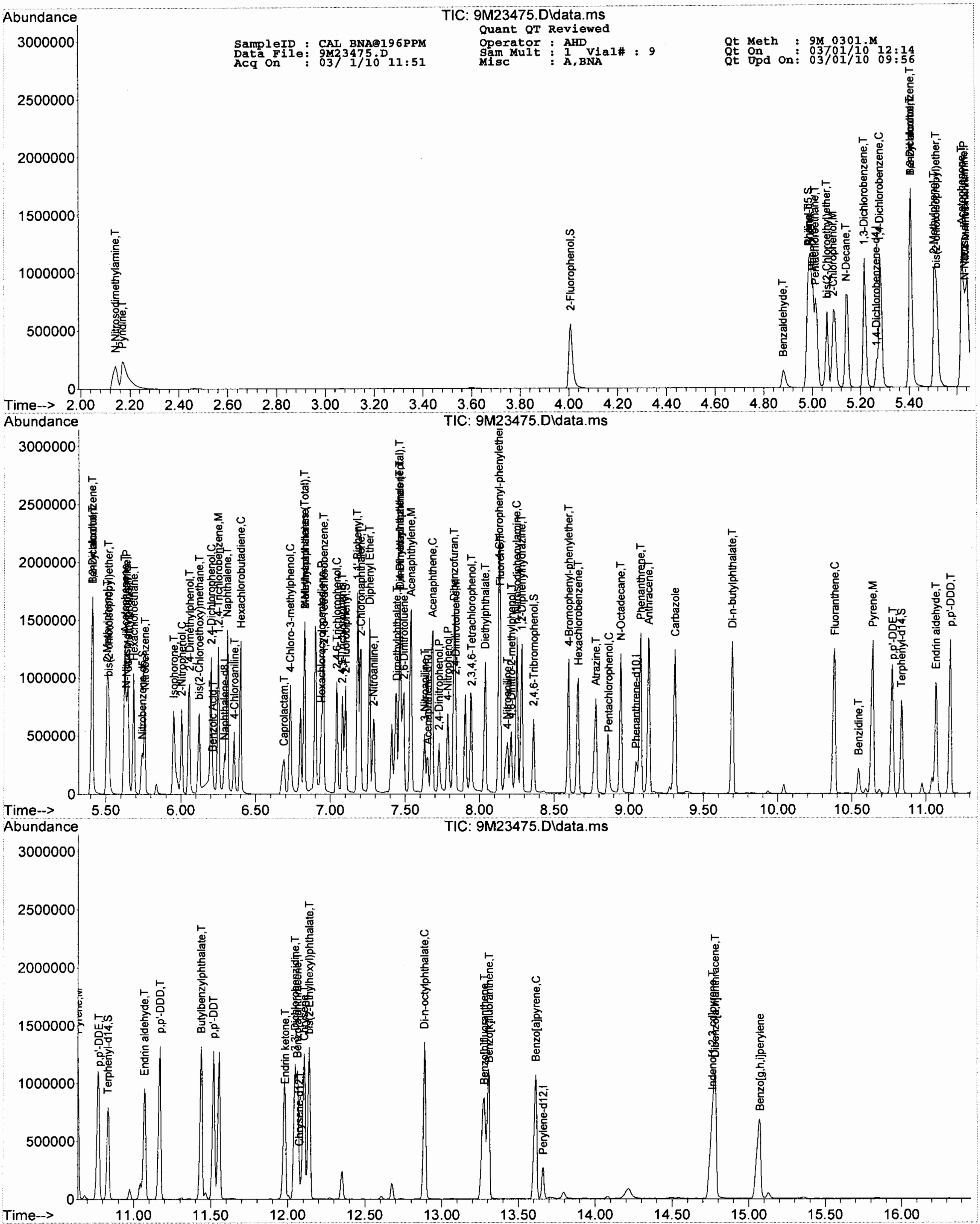
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
Operator : AHD
Qt Meth : 9M_0301.M
Data File: 9M23475.D
Sam Mult : 1 Vial# : 9
Qt On : 03/01/10 12:14
Acq On : 03/ 1/10 11:51
Misc : A,BNA
Qt Upd On: 03/01/10 09:56

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	4-Nitrophenol	7.785	65	60905	161.54	ng	67
67)	2,3,4,6-Tetrachlorophenol	7.945	232	90257	203.22	ng	91
68)	Fluorene	8.138	166	348142	163.68	ng	98
69)	4-Chlorophenyl-phenyle...	8.132	204	161418	168.84	ng	93
70)	Diethylphthalate	8.036	149	394097	176.90	ng	99
71)	4-Nitroaniline	8.186	138	94735	179.12	ng	90
72)	Atrazine	8.780	200	110343	164.22	ng	100
74)	4,6-Dinitro-2-methylph...	8.213	198	75053	236.26	ng	37
75)	n-Nitrosodiphenylamine	8.250	169	310263	167.14	ng	98
77)	1,2-Diphenylhydrazine	8.282	77	461642	167.91	ng	93
78)	4-Bromophenyl-phenylether	8.598	248	105701	186.58	ng	88
79)	Hexachlorobenzene	8.662	284	102134	183.93	ng	79
80)	N-Octadecane	8.945	57	162466	77.50	ng	66
81)	Pentachlorophenol	8.865	266	52093	226.42	ng	95
82)	Phenanthrene	9.079	178	531306	168.05	ng	100
83)	Anthracene	9.133	178	541847	169.02	ng	100
84)	Carbazole	9.309	167	520417	167.92	ng	98
85)	Di-n-butylphthalate	9.694	149	701200	170.43	ng	100
86)	Fluoranthene	10.384	202	587461	174.01	ng	85
88)	Pyrene	10.641	202	615653	191.76	ng	85
89)	Benzidine	10.545	184	77956	76.34	ng	82
91)	p,p'-DDE	10.775	246	131772	182.19	ng	89
92)	Endrin	11.069	81	49555	214.49	ng	79
93)	p,p'-DDD	11.170	235	215811	182.85	ng	87
94)	Butylbenzylphthalate	11.438	149	316311	185.99	ng	86
95)	Endrin aldehyde	11.069	67	12103	158.71	ng	73
96)	p,p'-DDT	11.518	235	200309	185.25	ng	92
97)	Endrin ketone	11.983	317	20772	206.59	ng	97
98)	3,3'-Dichlorobenzidine	12.048	252	120402	159.31	ng	95
99)	Benzo[a]anthracene	12.064	228	544769	183.27	ng	99
100)	Chrysene	12.106	228	506135	181.04	ng	99
101)	bis(2-Ethylhexyl)phtha...	12.138	149	447570	184.08	ng	98
103)	Di-n-octylphthalate	12.887	149	748633	176.35	ng	99
104)	Benzo[b]fluoranthene	13.278	252	556158	194.37	ng	93
105)	Benzo[k]fluoranthene	13.310	252	476505	176.83	ng	92
106)	Benzo[a]pyrene	13.615	252	499436	187.61	ng	93
107)	Indeno[1,2,3-cd]pyrene	14.765	276	513856	184.63	ng	90
108)	Dibenzo[a,h]anthracene	14.781	278	417721	187.22	ng	90
109)	Benzo[g,h,i]perylene	15.075	276	441033	186.02	ng	86

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


TIC: 9M23475.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M23475.D
Acq On : 03/ 1/10 11:51
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/01/10 12:14
Qt Upd On: 03/01/10 09:56
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,4-Dichlorobenzene-d4,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,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
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Endrin ketone,T
Chrysene-d12,I
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0729

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M55803.	CAL BNA@50PPM	03/01/10 13:39	2	5M55794.	CAL BNA@2PPM	03/01/10 09:27
3	5M55802.	CAL BNA@10PPM	03/01/10 13:17	4	5M55801.	CAL BNA@20PPM	03/01/10 12:34
5	5M55804.	CAL BNA@80PPM	03/01/10 14:29	6	5M55798.	CAL BNA@120PPM	03/01/10 11:19
7	5M55799.	CAL BNA@160PPM	03/01/10 11:41	8	5M55800.	CAL BNA@196PPM	03/01/10 12:04

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	1.8736	1.5883	1.6089	1.6053	1.9069	1.9302	1.9489	1.8989	-----	1.80	3.01	1.00	1.00	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1195	0.8753	0.9686	0.9538	1.1669	1.1612	1.1928	1.1893	-----	1.08	2.94	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.5255	1.2411	1.2879	1.2856	1.5444	1.5104	1.5489	1.5225	-----	1.43	4.59	0.999	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.2590	1.3181	1.2801	1.2343	0.8657	0.4991	-----	-----	-----	1.08	5.42	0.715	0.991	30		50.00	2.00	10.00	20.00	80.00	120.0			
Aniline	1	0	Avg	2.4824	1.7256	2.0138	2.1537	2.4109	2.3107	2.2205	2.0466	-----	2.17	5.51	0.992	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4698	0.5231	0.4358	0.4227	0.4588	0.4296	0.4309	0.4286	-----	0.450	5.56	0.999	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5364	1.5466	1.4644	1.3935	1.5118	1.4294	1.4091	1.3849	-----	1.46	5.58	0.999	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.1075	1.9409	1.8099	1.7777	2.0719	2.0520	2.0721	2.0512	-----	1.99	5.48	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.2924	2.0724	2.0010	1.9593	2.2245	2.1678	2.1302	2.0914	-----	2.12	5.49	0.999	1.00	5.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4990	1.4197	1.3467	1.3156	1.4559	1.4139	1.4089	1.4110	-----	1.41	5.62	1.00	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.5313	1.8036	1.5230	1.4775	1.4572	1.3819	1.3265	1.2881	-----	1.47	5.67	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.5970	1.6486	1.5313	1.4386	1.5515	1.4451	1.4309	1.4256	-----	1.51	5.75	0.998	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5754	1.7166	1.5248	1.5095	1.5361	1.4615	1.4506	1.4325	-----	1.53	5.81	0.999	1.00	6.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.4820	1.5901	1.4235	1.3668	1.4490	1.3588	1.3493	1.3357	-----	1.42	5.94	0.999	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0401	0.9147	0.9326	0.9005	1.0240	1.0125	1.0196	1.0019	-----	0.981	5.91	1.00	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e'	1	0	Avg	1.7666	2.0484	1.7486	1.6287	1.7020	1.6675	1.6295	1.5918	-----	1.72	6.03	0.999	1.00	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4145	1.3702	1.2794	1.2718	1.3738	1.3549	1.3543	1.3472	-----	1.35	6.01	1.00	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	1.9564	2.1658	1.9564	1.8194	1.8018	1.7454	1.6642	1.6094	-----	1.84	6.13	0.996	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5931	0.6169	0.5601	0.5372	0.5852	0.5566	0.5562	0.5665	-----	0.572	6.22	0.999	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.0696	1.2193	1.0681	0.9822	0.9760	0.9592	0.9084	0.8800	-----	1.01	6.13	0.996	1.00	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	1.4194	1.4958	1.3557	1.3010	1.3124	1.2715	1.2077	1.1689	-----	1.32	6.13	0.996	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1777	0.1486	0.1637	0.1691	0.1787	0.1724	0.1767	0.1800	-----	0.171	6.25	0.999	1.00	6.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3988	0.4169	0.3925	0.3781	0.3941	0.3753	0.3732	0.3741	-----	0.388	6.27	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7832	0.8732	0.7479	0.7281	0.7590	0.7430	0.7411	0.7526	-----	0.766	6.45	1.00	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1846	0.1351	0.1591	0.1584	0.1890	0.1843	0.1875	0.1918	-----	0.174	6.52	0.996	0.998	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3899	0.3874	0.3792	0.3628	0.3802	0.3637	0.3644	0.3660	-----	0.374	6.55	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.0915	-----	0.0285	0.1021	0.1499	0.1912	0.2583	0.2846	-----	0.158	6.61	0.958	0.998	59		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4557	0.4723	0.4537	0.4229	0.4402	0.4240	0.4190	0.4146	-----	0.438	6.62	0.999	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2890	0.2789	0.2750	0.2669	0.2885	0.2754	0.2733	0.2763	-----	0.278	6.70	0.999	1.00	2.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3410	0.3664	0.3512	0.3303	0.3384	0.3157	0.3143	0.3154	-----	0.334	6.77	0.999	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0715	1.1883	1.0776	1.0271	1.0212	0.9584	0.9487	0.9325	-----	1.03	6.83	0.998	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Qua	0.4301	0.3253	0.3683	0.4004	0.3775	0.3228	0.2875	0.2487	-----	0.345	6.87	0.951	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1853	0.2058	0.1856	0.1726	0.1799	0.1673	0.1698	0.1714	-----	0.180	6.92	0.999	0.999	7.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1369	0.1214	0.1239	0.1158	0.1397	0.1400	0.1424	0.1426	-----	0.133	7.14	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3423	0.3129	0.3098	0.2988	0.3389	0.3378	0.3415	0.3387	-----	0.328	7.23	1.00	1.00	5.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7343	0.7926	0.7255	0.6780	0.6961	0.6534	0.6544	0.6413	-----	0.697	7.37	0.999	0.999	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7343	0.7926	0.7255	0.6780	0.6961	0.6534	0.6544	0.6413	-----	0.697	7.37	0.999	0.999	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	0.8822	1.1006	0.8924	0.8272	0.8317	0.7941	0.7997	0.7852	-----	0.864	7.74	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben:	1	0	Avg	0.5800	0.6360	0.6052	0.5780	0.5568	0.5183	0.5038	0.4999	-----	0.560	7.50	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2779	-----	0.2050	0.2334	0.2851	0.2697	0.2793	0.2819	-----	0.262	7.49	0.999	0.999	12	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3766	0.3276	0.3555	0.3500	0.3791	0.3597	0.3600	0.3535	-----	0.358	7.59	0.999	0.999	4.5	*(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: 8.89
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_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M55803.	CAL BNA@50PPM	03/01/10 13:39	2	5M55794.	CAL BNA@2PPM	03/01/10 09:27
3	5M55802.	CAL BNA@10PPM	03/01/10 13:17	4	5M55801.	CAL BNA@20PPM	03/01/10 12:34
5	5M55804.	CAL BNA@80PPM	03/01/10 14:29	6	5M55798.	CAL BNA@120PPM	03/01/10 11:19
7	5M55799.	CAL BNA@160PPM	03/01/10 11:41	8	5M55800.	CAL BNA@196PPM	03/01/10 12:04

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	0.4160	0.3990	0.3860	0.3852	0.3917	0.3815	0.3885	0.3862	-----	0.392	7.62	1.00	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3507	1.5110	1.3940	1.2999	1.2891	1.2500	1.2239	1.2284	-----	1.32	7.66	0.998	1.00	7.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1633	1.3469	1.1896	1.1479	1.0698	1.0252	1.0044	0.9853	-----	1.12	7.77	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.8751	1.1281	0.9290	0.8684	0.8081	0.7684	0.7492	0.7294	-----	0.857	8.05	0.998	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8751	1.1281	0.9290	0.8684	0.8081	0.7684	0.7492	0.7294	-----	0.857	8.05	0.998	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8282	0.9992	0.8724	0.8135	0.7955	0.7515	0.7387	0.7235	-----	0.815	7.83	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4350	0.4353	0.4201	0.4087	0.4169	0.4132	0.4047	0.3964	-----	0.416	7.84	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9091	2.2567	1.9424	1.8454	1.8058	1.7054	1.6575	1.6372	-----	1.85	8.13	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3577	1.5501	1.3990	1.2942	1.2944	1.2560	1.2266	1.2304	-----	1.33	7.99	0.999	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.2961	0.2658	0.2890	0.2742	0.2714	0.2631	0.2540	0.2517	-----	0.271	8.05	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1827	1.3769	1.2103	1.1235	1.1007	1.0590	1.0396	1.0221	-----	1.14	8.28	0.999	1.00	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3471	0.2979	0.3297	0.3147	0.3248	0.2948	0.2740	0.2663	-----	0.306	8.20	0.991	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1297	-----	0.0603	0.0831	0.1462	0.1536	0.1622	0.1674	-----	0.129	8.29	0.997	0.999	32	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6972	2.0241	1.7557	1.6003	1.6001	1.5224	1.4602	1.4378	-----	1.64	8.43	0.997	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrotoluene	1	0	Avg	0.4137	0.2883	0.3650	0.3557	0.4066	0.4040	0.3991	0.4019	-----	0.379	8.40	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2431	0.1963	0.2111	0.2183	0.2383	0.2416	0.2445	0.2494	-----	0.230	8.32	1.00	1.00	8.4	**(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	0.3336	0.2556	0.3018	0.2895	0.3196	0.3149	0.3099	0.3125	-----	0.305	8.54	0.999	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3553	1.6575	1.4088	1.3088	1.2528	1.1869	1.1495	1.1456	-----	1.31	8.76	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6812	0.7798	0.7022	0.6376	0.6516	0.6237	0.6095	0.6168	-----	0.663	8.75	0.999	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3868	1.5526	1.3736	1.2774	1.3215	1.2962	1.2700	1.2571	-----	1.34	8.62	0.999	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3805	0.3480	0.3650	0.3472	0.3569	0.3445	0.3402	0.3436	-----	0.353	8.76	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4306	0.4194	0.3993	0.3843	0.4144	0.4064	0.4049	0.3951	-----	0.407	9.39	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.1110	-----	0.0711	0.0764	0.1192	0.1178	0.1204	0.1263	-----	0.106	8.79	0.999	0.999	21		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6292	0.7659	0.6752	0.6243	0.6034	0.5572	0.5412	0.5595	-----	0.620	8.86	0.998	0.998	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	Avg	0.0660	0.0525	0.0591	0.0595	0.0662	0.0632	0.0644	0.0672	-----	0.0623	8.99	0.999	0.999	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.8238	0.9916	0.8714	0.8090	0.7812	0.7222	0.7243	0.7111	-----	0.804	8.90	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2014	0.2318	0.2037	0.1926	0.1967	0.1848	0.1842	0.1906	-----	0.198	9.23	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1773	0.2075	0.1864	0.1719	0.1728	0.1611	0.1595	0.1644	-----	0.175	9.30	0.998	0.999	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.4875	0.5591	0.4885	0.4725	0.4433	0.4237	0.4027	0.3983	-----	0.459	9.58	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1064	-----	0.0638	0.0778	0.1113	0.1093	0.1142	0.1179	-----	0.100	9.50	0.999	0.999	21	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1482	1.4647	1.2509	1.1198	1.0905	1.0115	0.9962	1.0126	-----	1.14	9.74	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1486	1.3982	1.2221	1.1396	1.0897	1.0184	0.9945	1.0051	-----	1.13	9.79	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1097	1.2785	1.1293	1.0734	1.0458	0.9963	0.9681	0.9873	-----	1.07	9.96	0.999	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.3556	1.3728	1.2689	1.2183	1.3166	1.2566	1.2207	1.2447	-----	1.28	10.35	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.3484	1.4207	1.3042	1.2331	1.2787	1.2072	1.1876	1.1924	-----	1.27	11.08	0.999	0.999	6.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.6712	1.6835	1.6506	1.5360	1.6253	1.5904	1.5868	1.6195	-----	1.62	11.34	1.00	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6131	0.2833	0.4387	0.5757	0.4594	0.2878	-----	-----	-----	0.443	11.23	0.808	0.994	31		50.00	2.00	10.00	20.00	80.00	120.0			
Terphenyl-d14	1	0	Avg	1.0982	1.1317	1.0838	1.0267	1.1227	1.0865	1.1049	1.1630	-----	1.10	11.52	0.998	0.999	3.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.3011	0.3036	0.2926	0.2696	0.3050	0.2938	0.2966	0.3056	-----	0.296	11.46	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.0736	0.0755	0.0678	0.0643	0.0762	0.0764	0.0769	0.0774	-----	0.0735	11.79	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.5167	0.4999	0.4828	0.4565	0.5271	0.5103	0.5155	0.5319	-----	0.505	11.86	0.999	0.999	4.9		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: 8.89
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_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M55803.	CAL BNA@50PPM	03/01/10 13:39	2	5M55794.	CAL BNA@2PPM	03/01/10 09:27
3	5M55802.	CAL BNA@10PPM	03/01/10 13:17	4	5M55801.	CAL BNA@20PPM	03/01/10 12:34
5	5M55804.	CAL BNA@80PPM	03/01/10 14:29	6	5M55798.	CAL BNA@120PPM	03/01/10 11:19
7	5M55799.	CAL BNA@160PPM	03/01/10 11:41	8	5M55800.	CAL BNA@196PPM	03/01/10 12:04

																			Calibration Level Concentrations								
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7243	0.6551	0.6493	0.6263	0.7373	0.7358	0.7365	0.7634	-----	0.704	12.12	0.999	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0402	0.0452	0.0404	0.0354	0.0395	0.0392	0.0382	0.0388	-----	0.0396	11.79	1.00	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.4401	0.3529	0.3986	0.3759	0.4495	0.4430	0.4456	0.4616	-----	0.421	12.22	0.999	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0501	0.0435	0.0420	0.0415	0.0498	0.0488	0.0494	0.0518	-----	0.0472	12.70	0.999	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4247	0.4260	0.3997	0.3859	0.3873	0.3301	0.3121	0.3098	-----	0.372	12.74	0.988	0.996	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.5034	1.7397	1.5130	1.4260	1.4788	1.4353	1.4485	1.4625	-----	1.50	12.76	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.4030	1.6779	1.4635	1.3402	1.3631	1.2667	1.2940	1.2952	-----	1.39	12.81	0.999	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9242	0.9152	0.8353	0.8210	0.9063	0.8498	0.8383	0.8422	-----	0.867	12.82	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.6457	1.4005	1.3555	1.3699	1.6798	1.6257	1.6833	1.6781	-----	1.55	13.57	1.00	1.00	9.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3243	1.4164	1.2653	1.2183	1.3300	1.2661	1.2593	1.3301	-----	1.30	13.99	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3748	1.5198	1.4013	1.2926	1.2510	1.1463	1.1847	1.1165	-----	1.29	14.01	0.996	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.3076	1.3905	1.2558	1.1986	1.2773	1.1977	1.2158	1.2121	-----	1.26	14.34	0.999	0.999	5.3	*(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	1.3036	1.4200	1.2134	1.2330	1.2833	1.1820	1.1959	1.2235	-----	1.26	15.73	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	1.0591	1.1709	1.0215	1.0215	1.0456	0.9579	0.9589	0.9636	-----	1.02	15.76	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0693	1.2296	1.0547	1.0456	1.0635	1.0027	1.0151	1.0111	-----	1.06	16.11	1.00	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: 8.89
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
Data File: 5M55803.D
Acq On : 03/ 1/10 13:39

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:10
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.803	152	50691	40.00 ng	-0.05
29) Naphthalene-d8	6.812	136	201082	40.00 ng	-0.06
47) Acenaphthene-d10	8.249	164	114396	40.00 ng	-0.06
73) Phenanthrene-d10	9.713	188	214251	40.00 ng	-0.06
87) Chrysene-d12	12.779	240	178915	40.00 ng	-0.07
102) Perylene-d12	14.404	264	182794	40.00 ng	-0.07
System Monitoring Compounds					
10) 2-Fluorophenol	4.590	112	96666	51.62 ng	-0.06
Spiked Amount 100.000			Recovery =	51.62%	
15) Phenol-d5	5.482	99	133541	53.17 ng	-0.05
Spiked Amount 100.000			Recovery =	53.17%	
30) Nitrobenzene-d5	6.251	128	22338	29.00 ng	-0.06
Spiked Amount 50.000			Recovery =	58.00%	
52) 2-Fluorobiphenyl	7.656	172	96576	25.28 ng	-0.06
Spiked Amount 50.000			Recovery =	50.56%	
76) 2,4,6-Tribromophenol	8.986	330	17699	59.60 ng	-0.06
Spiked Amount 100.000			Recovery =	59.60%	
90) Terphenyl-d14	11.524	244	122811	24.73 ng	-0.07
Spiked Amount 50.000			Recovery =	49.46%	
Target Compounds					Qvalue
8) Pyridine	3.014	79	118722	46.78 ng	66
9) N-Nitrosodimethylamine	2.944	74	70937	46.49 ng	68
11) Benzaldehyde	5.423	77	79779	45.41 ng	77
12) Aniline	5.514	93	157297	62.87 ng	43
13) Pentachloroethane	5.562	117	29771	35.05 ng	83
14) bis(2-Chloroethyl)ether	5.578	93	97358	51.31 ng	79
16) Phenol	5.493	94	145255	56.44 ng	81
17) 2-Chlorophenol	5.616	128	94984	54.53 ng	85
18) N-Decane	5.669	57	97031	37.15 ng	79
19) 1,3-Dichlorobenzene	5.749	146	101197	52.42 ng	97
20) 1,4-Dichlorobenzene	5.813	146	99827	51.63 ng	96
21) 1,2-Dichlorobenzene	5.941	146	93908	51.75 ng	98
22) Benzyl alcohol	5.915	108	65910	52.37 ng	75
23) bis(2-chloroisopropyl)...	6.027	45	111944	45.14 ng	96
24) 2-Methylphenol	6.006	108	89633	52.51 ng	96
25) Acetophenone	6.128	105	123966	52.64 ng	81
26) Hexachloroethane	6.219	117	37581	51.88 ng	79
27) N-Nitroso-di-n-propyla...	6.134	70	67778	51.72 ng	62
28) 3&4-Methylphenol	6.128	108	89941	55.60 ng	98
31) Nitrobenzene	6.267	77	100257	52.16 ng	84
32) Isophorone	6.454	82	196876	48.70 ng	92
33) 2-Nitrophenol	6.518	139	46403	63.00 ng	89
34) 2,4-Dimethylphenol	6.545	107	98015	51.45 ng	98
35) Benzoic Acid	6.615	105	23019m	22.81 ng	
36) bis(2-Chloroethoxy)met...	6.620	93	114554	49.73 ng	97
37) 2,4-Dichlorophenol	6.700	162	72644	53.46 ng	90
38) 1,2,4-Trichlorobenzene	6.769	180	85729	51.16 ng	98
39) Naphthalene	6.834	128	269348	51.56 ng	100
40) 4-Chloroaniline	6.866	127	108106	70.60 ng	99
41) Hexachlorobutadiene	6.924	225	46583	53.52 ng	97
42) Caprolactam	7.138	113	34424	54.58 ng	69
43) 4-Chloro-3-methylphenol	7.229	107	86039	53.80 ng	88
44) 2-Methylnaphthalene	7.368	142	184574	53.35 ng	100
45) Methylnaphthalenes (To...	7.368	142	184574	53.35 ng	100
46) 1,1'-Biphenyl	7.742	154	221750	42.18 ng	97
48) 1,2,4,5-Tetrachloroben...	7.501	216	82937	52.24 ng	97
49) Hexachlorocyclopentadiene	7.491	237	39748	60.15 ng	98
50) 2,4,6-Trichlorophenol	7.587	196	53853	55.50 ng	100
51) 2,4,5-Trichlorophenol	7.619	196	59488	57.18 ng	99
53) 2-Chloronaphthalene	7.768	162	166354	52.83 ng	92
54) 1,4-Dimethylnaphthalene	8.046	156	125140	35.63 ng	93
55) Dimethylnaphthalenes (...	8.046	156	125140	35.63 ng	93
56) Diphenyl Ether	7.827	170	118434	51.39 ng	83
57) 2-Nitroaniline	7.843	65	62206	54.12 ng	55
58) Acenaphthylene	8.126	152	273003	52.68 ng	99
59) Dimethylphthalate	7.987	163	194157	52.43 ng	99
60) 2,6-Dinitrotoluene	8.046	165	42342	68.07 ng	70
61) Acenaphthene	8.276	153	169121	52.36 ng	97
62) 3-Nitroaniline	8.196	138	49643	69.97 ng	45
63) 2,4-Dinitrophenol	8.287	184	18560	95.53 ng	83
64) Dibenzofuran	8.431	168	242704	52.90 ng	89
65) 2,4-Dinitrotoluene	8.404	165	59162	68.91 ng	66

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 5M55803.D
Acq On : 03/ 1/10 13:39

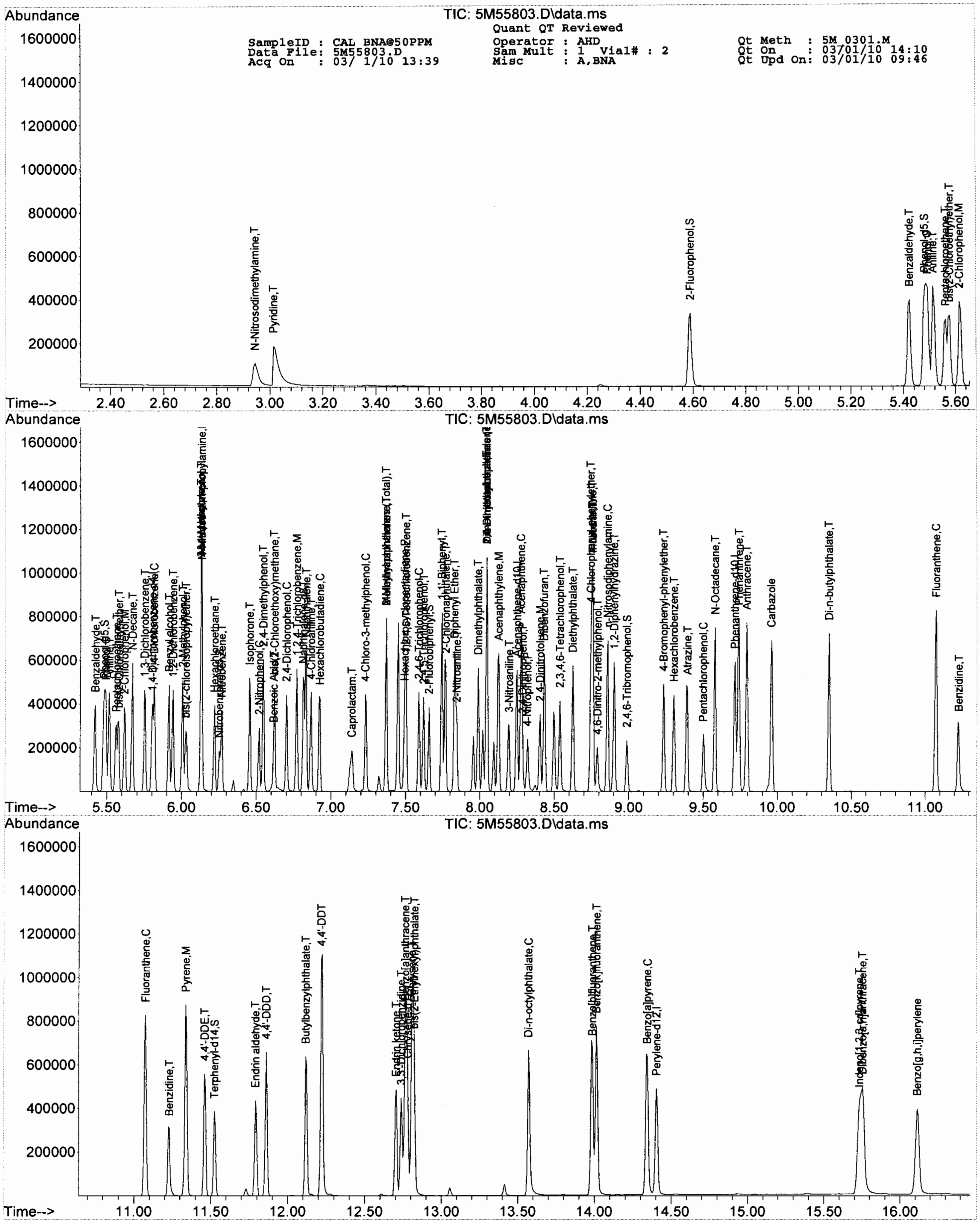
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:10
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.319	65	34765	57.51 ng	85
67)	2,3,4,6-Tetrachlorophenol	8.538	232	47708	59.77 ng	86
68)	Fluorene	8.757	166	193813	53.10 ng	99
69)	4-Chlorophenyl-phenyle...	8.746	204	97409	53.71 ng	86
70)	Diethylphthalate	8.623	149	198314	53.28 ng	97
71)	4-Nitroaniline	8.757	138	54414	61.88 ng	80
72)	Atrazine	9.393	200	61579	58.03 ng	95
74)	4,6-Dinitro-2-methylph...	8.789	198	29748	85.71 ng	60
75)	n-Nitrosodiphenylamine	8.858	169	168532	50.23 ng	99
77)	1,2-Diphenylhydrazine	8.901	77	220637	46.38 ng	86
78)	4-Bromophenyl-phenylether	9.232	248	53942	51.07 ng	94
79)	Hexachlorobenzene	9.302	284	47499	51.14 ng	82
80)	N-Octadecane	9.579	57	130561	38.02 ng	71
81)	Pentachlorophenol	9.499	266	28520	56.81 ng	99
82)	Phenanthrene	9.740	178	307509	50.58 ng	100
83)	Anthracene	9.793	178	307616	51.59 ng	100
84)	Carbazole	9.959	167	297193	51.42 ng	98
85)	Di-n-butylphthalate	10.349	149	363056	54.25 ng	98
86)	Fluoranthene	11.075	202	361125	54.92 ng	93
88)	Pyrene	11.337	202	373761	50.21 ng	92
89)	Benzidine	11.230	184	137115	69.24 ng	87
91)	4,4'-DDE	11.460	246	67342	46.95 ng	89
92)	Endrin	11.791	81	16475	48.15 ng	62
93)	4,4'-DDD	11.861	235	115565	49.51 ng	91
94)	Butylbenzylphthalate	12.117	149	162001	51.88 ng	96
95)	Endrin aldehyde	11.791	67	9007	37.71 ng	65
96)	4,4'-DDT	12.219	235	98437	57.20 ng	97
97)	Endrin ketone	12.705	317	11214	51.57 ng	96
98)	3,3'-Dichlorobenzidine	12.737	252	95002	68.54 ng	98
99)	Benzo[a]anthracene	12.763	228	336240	50.70 ng	99
100)	Chrysene	12.806	228	313772	51.99 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.822	149	206708	56.25 ng	94
103)	Di-n-octylphthalate	13.570	149	376042	55.60 ng	100
104)	Benzo[b]fluoranthene	13.987	252	302613	51.19 ng	95
105)	Benzo[k]fluoranthene	14.014	252	314139	54.84 ng	96
106)	Benzo[a]pyrene	14.345	252	298777	54.65 ng	93
107)	Indeno[1,2,3-cd]pyrene	15.734	276	297866	55.12 ng	93
108)	Dibenzo[a,h]anthracene	15.755	278	241998	55.28 ng	96
109)	Benzo[g,h,i]perylene	16.113	276	244342	53.53 ng	94

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


Abundance
TIC: 5M55803.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M55803.D
Acq On : 03/ 1/10 13:39
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:10
Qt Upd On: 03/01/10 09:46
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
Time-->
Abundance
TIC: 5M55803.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
2,4,6-Tribromophenol,S
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Time-->
Abundance
TIC: 5M55803.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-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
Data File: 5M55794.D
Acq On : 03/ 1/10 09:27

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 09:49
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.824	152	44122	40.00 ng	-0.03
29) Naphthalene-d8	6.834	136	170878	40.00 ng	-0.04
47) Acenaphthene-d10	8.271	164	96068	40.00 ng	-0.04
73) Phenanthrene-d10	9.740	188	171634	40.00 ng	-0.04
87) Chrysene-d12	12.806	240	157885	40.00 ng	-0.04
102) Perylene-d12	14.436	264	157771	40.00 ng	-0.04
System Monitoring Compounds					
10) 2-Fluorophenol	4.617	112	2738	1.68 ng	-0.03
Spiked Amount 100.000			Recovery =	1.68%	
15) Phenol-d5	5.498	99	4282	1.96 ng	-0.04
Spiked Amount 100.000			Recovery =	1.96%	
30) Nitrobenzene-d5	6.273	128	635	0.97 ng	-0.04
Spiked Amount 50.000			Recovery =	1.94%	
52) 2-Fluorobiphenyl	7.678	172	3629	1.13 ng	-0.04
Spiked Amount 50.000			Recovery =	2.26%	
76) 2,4,6-Tribromophenol	9.013	330	451	1.90 ng	-0.04
Spiked Amount 100.000			Recovery =	1.90%	
90) Terphenyl-d14	11.556	244	4467	1.02 ng	-0.04
Spiked Amount 50.000			Recovery =	2.04%	

Compound	R.T.	QIon	Response	Conc Units		Qvalue
Target Compounds						
8) Pyridine	3.148	79	3504m	1.59 ng		
9) N-Nitrosodimethylamine	3.014	74	1931	1.45 ng		78
11) Benzaldehyde	5.445	77	2908	1.90 ng		91
12) Aniline	5.536	93	3807	1.75 ng		48
13) Pentachloroethane	5.578	117	1154	1.56 ng		84
14) bis(2-Chloroethyl)ether	5.594	93	3412	2.07 ng		85
16) Phenol	5.514	94	4572	2.04 ng		81
17) 2-Chlorophenol	5.637	128	3132	2.07 ng		83
18) N-Decane	5.691	57	3979	1.75 ng		86
19) 1,3-Dichlorobenzene	5.771	146	3637	2.16 ng		96
20) 1,4-Dichlorobenzene	5.835	146	3787	2.25 ng		96
21) 1,2-Dichlorobenzene	5.963	146	3508	2.22 ng		98
22) Benzyl alcohol	5.936	108	2018	1.84 ng		85
23) bis(2-chloroisopropyl)...	6.048	45	4519	2.09 ng		96
24) 2-Methylphenol	6.027	108	3023	2.03 ng		97
25) Acetophenone	6.150	105	4778	2.33 ng		77
26) Hexachloroethane	6.241	117	1361	2.16 ng		72
27) N-Nitroso-di-n-propyla...	6.150	70	2690	2.36 ng		72
28) 3&4-Methylphenol	6.150	108	3300	2.34 ng		98
31) Nitrobenzene	6.289	77	3562	2.18 ng		84
32) Isophorone	6.476	82	7461	2.17 ng		88
33) 2-Nitrophenol	6.540	139	1155	1.85 ng		85
34) 2,4-Dimethylphenol	6.567	107	3310	2.04 ng		96
35) Benzoic Acid	6.834	105	296	0.35 ng	#	1
36) bis(2-Chloroethoxy)met...	6.641	93	4036	2.06 ng		96
37) 2,4-Dichlorophenol	6.722	162	2383	2.06 ng		86
38) 1,2,4-Trichlorobenzene	6.791	180	3131	2.20 ng		92
39) Naphthalene	6.850	128	10153	2.29 ng		99
40) 4-Chloroaniline	6.887	127	2780	2.14 ng		97
41) Hexachlorobutadiene	6.946	225	1759	2.38 ng		91
42) Caprolactam	7.133	113	1038	1.94 ng		70
43) 4-Chloro-3-methylphenol	7.250	107	2674	1.97 ng		80
44) 2-Methylnaphthalene	7.389	142	6772	2.30 ng		96
45) Methylnaphthalenes (To...	7.389	142	6772	2.30 ng		96
46) 1,1'-Biphenyl	7.763	154	9404	2.10 ng		95
48) 1,2,4,5-Tetrachloroben...	7.523	216	3055	2.29 ng		97
49) Hexachlorocyclopentadiene	7.512	237	520	0.94 ng		79
50) 2,4,6-Trichlorophenol	7.608	196	1574	1.93 ng		95
51) 2,4,5-Trichlorophenol	7.640	196	1917	2.19 ng		90
53) 2-Chloronaphthalene	7.790	162	6470	2.45 ng		90
54) 1,4-Dimethylnaphthalene	8.068	156	5419	1.84 ng		89
55) Dimethylnaphthalenes (...	8.068	156	5419	1.84 ng		89
56) Diphenyl Ether	7.849	170	4800	2.48 ng		81
57) 2-Nitroaniline	7.865	65	2091	2.17 ng		71
58) Acenaphthylene	8.148	152	10840	2.49 ng		97
59) Dimethylphthalate	8.004	163	7446	2.39 ng		96
60) 2,6-Dinitrotoluene	8.062	165	1277	2.44 ng		81
61) Acenaphthene	8.298	153	6614	2.44 ng		94
62) 3-Nitroaniline	8.217	138	1431	2.40 ng		34
63) 2,4-Dinitrophenol	0.000		0	N.D.		
64) Dibenzofuran	8.458	168	9723	2.52 ng		86
65) 2,4-Dinitrotoluene	8.426	165	1385	1.92 ng		76

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
Data File: 5M55794.D
Acq On : 03/ 1/10 09:27

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 09:49
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
66)	4-Nitrophenol	8.346	65	943	1.86 ng		95
67)	2,3,4,6-Tetrachlorophenol	8.565	232	1228	1.83 ng		83
68)	Fluorene	8.778	166	7962	2.60 ng		97
69)	4-Chlorophenyl-phenyle...	8.768	204	3746	2.46 ng		90
70)	Diethylphthalate	8.645	149	7458	2.39 ng		95
71)	4-Nitroaniline	8.778	138	1672	2.26 ng		80
72)	Atrazine	9.414	200	2015	2.26 ng		95
74)	4,6-Dinitro-2-methylph...	8.821	198	137	0.49 ng		56
75)	n-Nitrosodiphenylamine	8.880	169	6573	2.45 ng		95
77)	1,2-Diphenylhydrazine	8.923	77	8510	2.23 ng		87
78)	4-Bromophenyl-phenylether	9.259	248	1990	2.35 ng		94
79)	Hexachlorobenzene	9.329	284	1781	2.39 ng		76
80)	N-Octadecane	9.601	57	4798	1.74 ng		81
81)	Pentachlorophenol	9.537	266	50	0.12 ng	#	20
82)	Phenanthrene	9.761	178	12570	2.58 ng		99
83)	Anthracene	9.820	178	11999	2.51 ng		98
84)	Carbazole	9.991	167	10972	2.37 ng		94
85)	Di-n-butylphthalate	10.376	149	11781	2.20 ng		97
86)	Fluoranthene	11.102	202	12192	2.31 ng		93
88)	Pyrene	11.369	202	13290	2.02 ng		89
89)	Benzidine	11.257	184	2237	1.28 ng		88
91)	4,4'-DDE	11.487	246	2397	1.89 ng		88
92)	Endrin	11.823	81	596	1.97 ng		75
93)	4,4'-DDD	11.887	235	3947	1.92 ng		89
94)	Butylbenzylphthalate	12.144	149	5172	1.88 ng		94
95)	Endrin aldehyde	11.818	67	357m	1.69 ng		
96)	4,4'-DDT	12.251	235	2786	1.83 ng		95
97)	Endrin ketone	12.732	317	344m	1.79 ng		
98)	3,3'-Dichlorobenzidine	12.769	252	3363	2.75 ng		87
99)	Benzo[a]anthracene	12.790	228	13734	2.35 ng		99
100)	Chrysene	12.833	228	13246	2.49 ng		99
101)	bis(2-Ethylhexyl)phtha...	12.849	149	7225	2.23 ng		98
103)	Di-n-octylphthalate	13.597	149	11048	1.89 ng		100
104)	Benzo[b]fluoranthene	14.014	252	11174	2.19 ng		95
105)	Benzo[k]fluoranthene	14.040	252	11989	2.43 ng		94
106)	Benzo[a]pyrene	14.372	252	10969	2.32 ng		91
107)	Indeno[1,2,3-cd]pyrene	15.771	276	11202	2.40 ng		99
108)	Dibenzo[a,h]anthracene	15.798	278	9237	2.44 ng		92
109)	Benzo[g,h,i]perylene	16.151	276	9700	2.46 ng		96

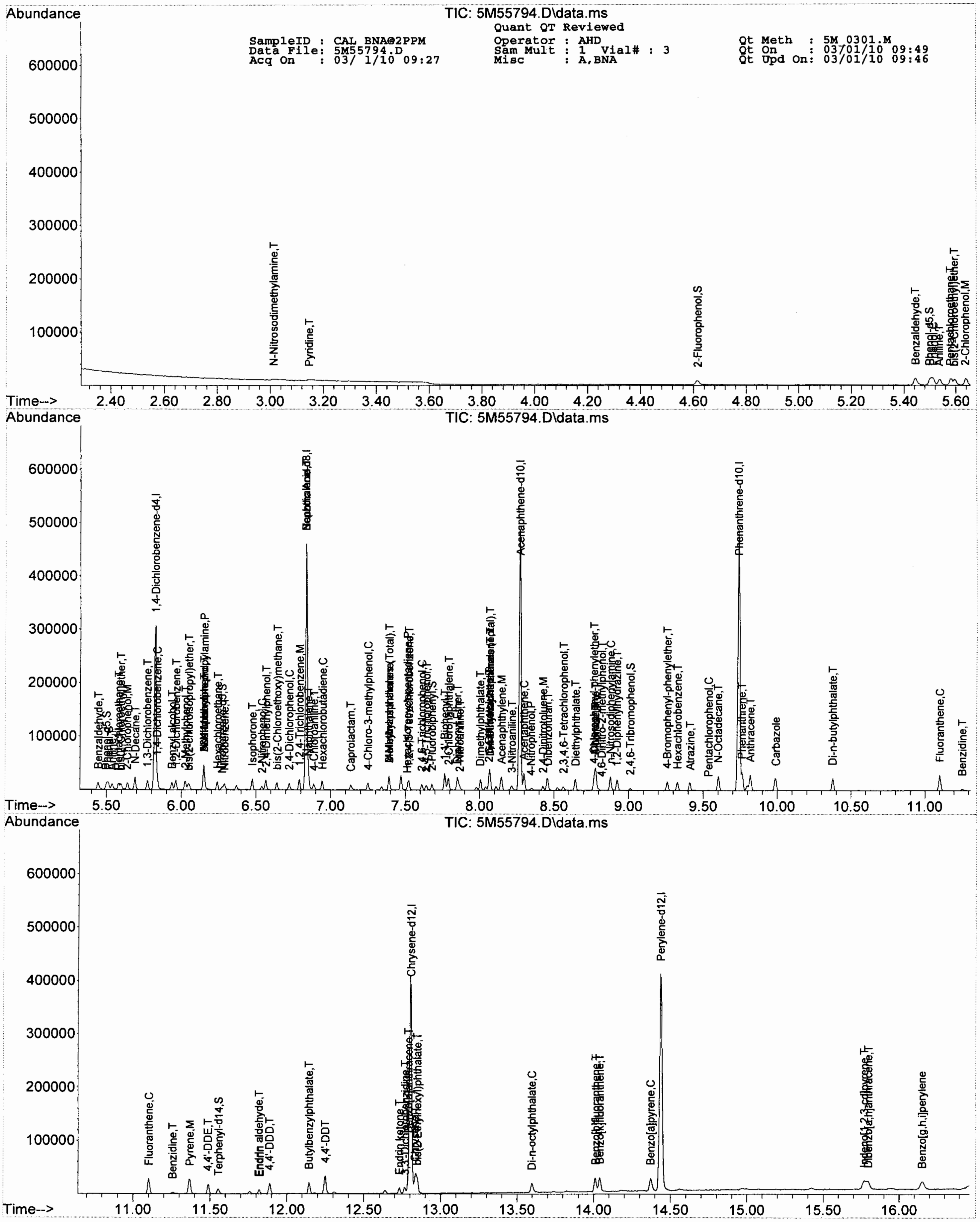
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant QT Reviewed

SampleID : CAL BNA@2PPM
Data File: 5M55794.D
Acq On : 03/ 1/10 09:27

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 09:49
Qt Upd On: 03/01/10 09:46



Quantitation Report (Not Reviewed)

SampleID : CAL BNA@10PPM
Data File: 5M55802.D
Acq On : 03/ 1/10 13:17

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:10
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.803	152	55466	40.00 ng	-0.05
29) Naphthalene-d8	6.818	136	206969	40.00 ng	-0.05
47) Acenaphthene-d10	8.249	164	113557	40.00 ng	-0.06
73) Phenanthrene-d10	9.718	188	206411	40.00 ng	-0.06
87) Chrysene-d12	12.779	240	180798	40.00 ng	-0.07
102) Perylene-d12	14.409	264	180146	40.00 ng	-0.07
System Monitoring Compounds					
10) 2-Fluorophenol	4.590	112	17859	8.72 ng	-0.06
Spiked Amount 100.000			Recovery =	8.72%	
15) Phenol-d5	5.482	99	25098	9.13 ng	-0.05
Spiked Amount 100.000			Recovery =	9.13%	
30) Nitrobenzene-d5	6.251	128	4236	5.34 ng	-0.06
Spiked Amount 50.000			Recovery =	10.68%	
52) 2-Fluorobiphenyl	7.662	172	19788	5.22 ng	-0.05
Spiked Amount 50.000			Recovery =	10.44%	
76) 2,4,6-Tribromophenol	8.992	330	3050	10.66 ng	-0.06
Spiked Amount 100.000			Recovery =	10.66%	
90) Terphenyl-d14	11.529	244	24494	4.88 ng	-0.06
Spiked Amount 50.000			Recovery =	9.76%	
Target Compounds					Qvalue
8) Pyridine	3.041	79	22311	8.03 ng	67
9) N-Nitrosodimethylamine	2.955	74	13432	8.05 ng	69
11) Benzaldehyde	5.423	77	17751	9.23 ng	77
12) Aniline	5.514	93	27925	10.20 ng	44
13) Pentachloroethane	5.562	117	6043	6.50 ng	84
14) bis(2-Chloroethyl)ether	5.578	93	20307	9.78 ng	81
16) Phenol	5.493	94	27747	9.85 ng	81
17) 2-Chlorophenol	5.621	128	18674	9.80 ng	81
18) N-Decane	5.669	57	21119	7.39 ng	83
19) 1,3-Dichlorobenzene	5.754	146	21234	10.05 ng	99
20) 1,4-Dichlorobenzene	5.819	146	21144	9.99 ng	99
21) 1,2-Dichlorobenzene	5.941	146	19739	9.94 ng	97
22) Benzyl alcohol	5.915	108	12932	9.39 ng	70
23) bis(2-chloroisopropyl)...	6.027	45	24247	8.94 ng	95
24) 2-Methylphenol	6.006	108	17742	9.50 ng	100
25) Acetophenone	6.128	105	27129	10.53 ng	80
26) Hexachloroethane	6.219	117	7767	9.80 ng	84
27) N-Nitroso-di-n-propyla...	6.128	70	14812	10.33 ng	67
28) 3&4-Methylphenol	6.128	108	18799	10.62 ng	100
31) Nitrobenzene	6.267	77	20313	10.27 ng	85
32) Isophorone	6.454	82	38698	9.30 ng	92
33) 2-Nitrophenol	6.518	139	8237	10.86 ng	91
34) 2,4-Dimethylphenol	6.545	107	19621	10.01 ng	98
35) Benzoic Acid	6.588	105	1477	1.42 ng	94
36) bis(2-Chloroethoxy)met...	6.620	93	23478	9.90 ng	99
37) 2,4-Dichlorophenol	6.705	162	14230	10.17 ng	86
38) 1,2,4-Trichlorobenzene	6.769	180	18172	10.54 ng	99
39) Naphthalene	6.834	128	55759	10.37 ng	99
40) 4-Chloroaniline	6.866	127	19060	12.09 ng	99
41) Hexachlorobutadiene	6.924	225	9607	10.72 ng	95
42) Caprolactam	7.117	113	6414	9.88 ng	70
43) 4-Chloro-3-methylphenol	7.229	107	16031	9.74 ng	88
44) 2-Methylnaphthalene	7.368	142	37539	10.54 ng	100
45) Methylnaphthalenes (To...	7.368	142	37539	10.54 ng	100
46) 1,1'-Biphenyl	7.747	154	46178	8.53 ng	96
48) 1,2,4,5-Tetrachloroben...	7.501	216	17183	10.90 ng	99
49) Hexachlorocyclopentadiene	7.496	237	5822	8.88 ng	99
50) 2,4,6-Trichlorophenol	7.592	196	10095	10.48 ng	99
51) 2,4,5-Trichlorophenol	7.619	196	10960	10.61 ng	98
53) 2-Chloronaphthalene	7.768	162	33774	10.80 ng	92
54) 1,4-Dimethylnaphthalene	8.046	156	26376	7.57 ng	93
55) Dimethylnaphthalenes (...	8.046	156	26376	7.57 ng	93
56) Diphenyl Ether	7.833	170	24768	10.83 ng	81
57) 2-Nitroaniline	7.843	65	11928	10.45 ng	51
58) Acenaphthylene	8.126	152	55145	10.72 ng	99
59) Dimethylphthalate	7.987	163	39718	10.80 ng	99
60) 2,6-Dinitrotoluene	8.046	165	8205	13.29 ng	70
61) Acenaphthene	8.276	153	34361	10.72 ng	95
62) 3-Nitroaniline	8.196	138	9361	13.29 ng	45
63) 2,4-Dinitrophenol	8.292	184	1714	8.89 ng	83
64) Dibenzofuran	8.436	168	49845	10.95 ng	87
65) 2,4-Dinitrotoluene	8.404	165	10363	12.16 ng	70

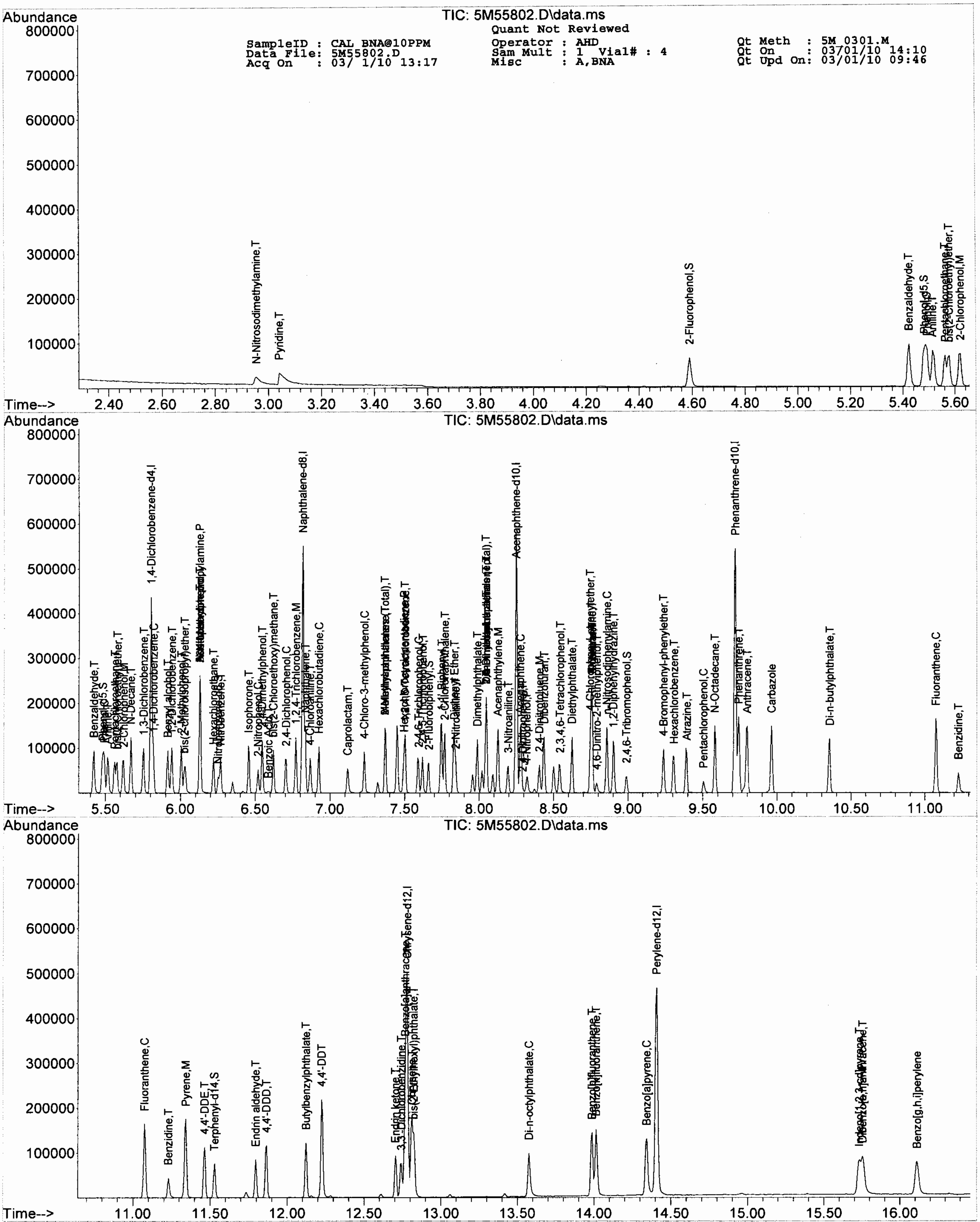
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55802.D Sam Mult : 1 Vial# : 4 Qt On : 03/01/10 14:10
Acq On : 03/ 1/10 13:17 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	4-Nitrophenol	8.319	65	5993	9.99	ng	93
67)	2,3,4,6-Tetrachlorophenol	8.543	232	8570	10.82	ng	85
68)	Fluorene	8.757	166	39995	11.04	ng	99
69)	4-Chlorophenyl-phenyle...	8.746	204	19936	11.07	ng	87
70)	Diethylphthalate	8.623	149	38998	10.55	ng	96
71)	4-Nitroaniline	8.757	138	10364	11.87	ng	78
72)	Atrazine	9.393	200	11338	10.76	ng	98
74)	4,6-Dinitro-2-methylph...	8.789	198	3670	10.98	ng	57
75)	n-Nitrosodiphenylamine	8.858	169	34846	10.78	ng	99
77)	1,2-Diphenylhydrazine	8.901	77	44967	9.81	ng	87
78)	4-Bromophenyl-phenylether	9.238	248	10516	10.33	ng	91
79)	Hexachlorobenzene	9.307	284	9620	10.75	ng	77
80)	N-Octadecane	9.579	57	25208	7.62	ng	79
81)	Pentachlorophenol	9.505	266	3293	6.81	ng	96
82)	Phenanthrene	9.740	178	64552	11.02	ng	98
83)	Anthracene	9.799	178	63066	10.98	ng	98
84)	Carbazole	9.964	167	58278	10.47	ng	98
85)	Di-n-butylphthalate	10.354	149	65479	10.16	ng	97
86)	Fluoranthene	11.075	202	67305	10.63	ng	94
88)	Pyrene	11.342	202	74607	9.92	ng	90
89)	Benzidine	11.230	184	19831	9.91	ng	85
91)	4,4'-DDE	11.465	246	13227	9.13	ng	91
92)	Endrin	11.797	81	3067	8.87	ng	66
93)	4,4'-DDD	11.866	235	21824	9.25	ng	90
94)	Butylbenzylphthalate	12.122	149	29351	9.30	ng	92
95)	Endrin aldehyde	11.797	67	1828	7.57	ng	55
96)	4,4'-DDT	12.224	235	18018	10.36	ng	96
97)	Endrin ketone	12.705	317	1902	8.66	ng	100
98)	3,3'-Dichlorobenzidine	12.742	252	18069	12.90	ng	97
99)	Benzo[a]anthracene	12.769	228	68391	10.21	ng	98
100)	Chrysene	12.812	228	66150	10.85	ng	98
101)	bis(2-Ethylhexyl)phtha...	12.822	149	37756	10.17	ng	94
103)	Di-n-octylphthalate	13.575	149	61051	9.16	ng	100
104)	Benzo[b]fluoranthene	13.987	252	56987	9.78	ng	96
105)	Benzo[k]fluoranthene	14.014	252	63111	11.18	ng	95
106)	Benzo[a]pyrene	14.345	252	56557	10.50	ng	94
107)	Indeno[1,2,3-cd]pyrene	15.734	276	54648	10.26	ng	92
108)	Dibenzo[a,h]anthracene	15.755	278	46008	10.67	ng	96
109)	Benzo[g,h,i]perylene	16.113	276	47503	10.56	ng	92

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



TIC: 5M55802.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M55802.D
Acq On : 03/ 1/10 13:17
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M 0301.M
Qt On : 03/01/10 14:10
Qt Upd On: 03/01/10 09:46
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
2-Chlorophenol,M
Naphthalene-d8,I
1,4-Dichlorobenzene-d4,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
1,2,4-Trichlorobenzene,M
2,4-Dichlorophenol,C
Isophorone,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrotoluene,M
Dibenzofuran,T
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
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Chrysene-d12,I
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@20PPM
Data File: 5M55801.D
Acq On : 03/ 1/10 12:34

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 12:58
Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.803	152	51094	40.00 ng	-0.05
29) Naphthalene-d8	6.818	136	188775	40.00 ng	-0.05
47) Acenaphthene-d10	8.249	164	102955	40.00 ng	-0.06
73) Phenanthrene-d10	9.713	188	185259	40.00 ng	-0.06
87) Chrysene-d12	12.779	240	163728	40.00 ng	-0.07
102) Perylene-d12	14.404	264	164954	40.00 ng	-0.07
System Monitoring Compounds					
10) 2-Fluorophenol	4.590	112	32844	17.40 ng	-0.06
Spiked Amount 100.000			Recovery =	17.40%	
15) Phenol-d5	5.482	99	45416	17.94 ng	-0.05
Spiked Amount 100.000			Recovery =	17.94%	
30) Nitrobenzene-d5	6.251	128	7982	11.04 ng	-0.06
Spiked Amount 50.000			Recovery =	22.08%	
52) 2-Fluorobiphenyl	7.656	172	33460	9.73 ng	-0.06
Spiked Amount 50.000			Recovery =	19.46%	
76) 2,4,6-Tribromophenol	8.986	330	5520	21.50 ng	-0.06
Spiked Amount 100.000			Recovery =	21.50%	
90) Terphenyl-d14	11.529	244	42025	9.25 ng	-0.06
Spiked Amount 50.000			Recovery =	18.50%	
Target Compounds					Qvalue
8) Pyridine	3.035	79	41013	16.03 ng	68
9) N-Nitrosodimethylamine	2.955	74	24368	15.85 ng	68
11) Benzaldehyde	5.423	77	31535	17.81 ng	80
12) Aniline	5.514	93	55021	21.82 ng	44
13) Pentachloroethane	5.562	117	10799	12.62 ng	82
14) bis(2-Chloroethyl)ether	5.578	93	35601	18.61 ng	80
16) Phenol	5.493	94	50055	19.30 ng	81
17) 2-Chlorophenol	5.621	128	33610	19.14 ng	80
18) N-Decane	5.669	57	37748	14.34 ng	81
19) 1,3-Dichlorobenzene	5.754	146	36754	18.89 ng	96
20) 1,4-Dichlorobenzene	5.819	146	38565	19.79 ng	95
21) 1,2-Dichlorobenzene	5.941	146	34918	19.09 ng	97
22) Benzyl alcohol	5.915	108	23007	18.14 ng	75
23) bis(2-chloroisopropyl)...	6.027	45	41609	16.65 ng	96
24) 2-Methylphenol	6.006	108	32492	18.88 ng	97
25) Acetophenone	6.128	105	46482	19.58 ng	80
26) Hexachloroethane	6.219	117	13726	18.80 ng	79
27) N-Nitroso-di-n-propyla...	6.128	70	25093	19.00 ng	69
28) 3&4-Methylphenol	6.128	108	33238	20.39 ng	99
31) Nitrobenzene	6.267	77	35689	19.78 ng	84
32) Isophorone	6.454	82	68726	18.11 ng	93
33) 2-Nitrophenol	6.518	139	14957	21.63 ng	91
34) 2,4-Dimethylphenol	6.545	107	34252	19.15 ng	99
35) Benzoic Acid	6.593	105	9644	10.18 ng	90
36) bis(2-Chloroethoxy)met...	6.620	93	39918	18.46 ng	98
37) 2,4-Dichlorophenol	6.700	162	25196	19.75 ng	90
38) 1,2,4-Trichlorobenzene	6.769	180	31179	19.82 ng	98
39) Naphthalene	6.834	128	96954	19.77 ng	99
40) 4-Chloroaniline	6.866	127	37798	26.29 ng	100
41) Hexachlorobutadiene	6.924	225	16296	19.94 ng	99
42) Caprolactam	7.122	113	10939	18.47 ng	68
43) 4-Chloro-3-methylphenol	7.229	107	28208	18.79 ng	88
44) 2-Methylnaphthalene	7.368	142	64001	19.70 ng	100
45) Methylnaphthalenes (To...	7.368	142	64001	19.70 ng	100
46) 1,1'-Biphenyl	7.742	154	78084	15.82 ng	97
48) 1,2,4,5-Tetrachloroben...	7.501	216	29756	20.83 ng	96
49) Hexachlorocyclopentadiene	7.491	237	12016	20.20 ng	99
50) 2,4,6-Trichlorophenol	7.587	196	18021	20.64 ng	98
51) 2,4,5-Trichlorophenol	7.619	196	19829	21.18 ng	98
53) 2-Chloronaphthalene	7.768	162	59093	20.85 ng	93
54) 1,4-Dimethylnaphthalene	8.046	156	44705	14.14 ng	92
55) Dimethylnaphthalenes (...	8.046	156	44705	14.14 ng	92
56) Diphenyl Ether	7.827	170	41877	20.19 ng	85
57) 2-Nitroaniline	7.838	65	21042	20.34 ng	72
58) Acenaphthylene	8.126	152	95001	20.37 ng	99
59) Dimethylphthalate	7.987	163	66624	19.99 ng	99
60) 2,6-Dinitrotoluene	8.046	165	14118	25.22 ng	71
61) Acenaphthene	8.276	153	57838	19.90 ng	97
62) 3-Nitroaniline	8.196	138	16200	25.37 ng	47
63) 2,4-Dinitrophenol	8.287	184	4282	24.49 ng	73
64) Dibenzofuran	8.431	168	82382	19.95 ng	88
65) 2,4-Dinitrotoluene	8.404	165	18315	23.70 ng	69

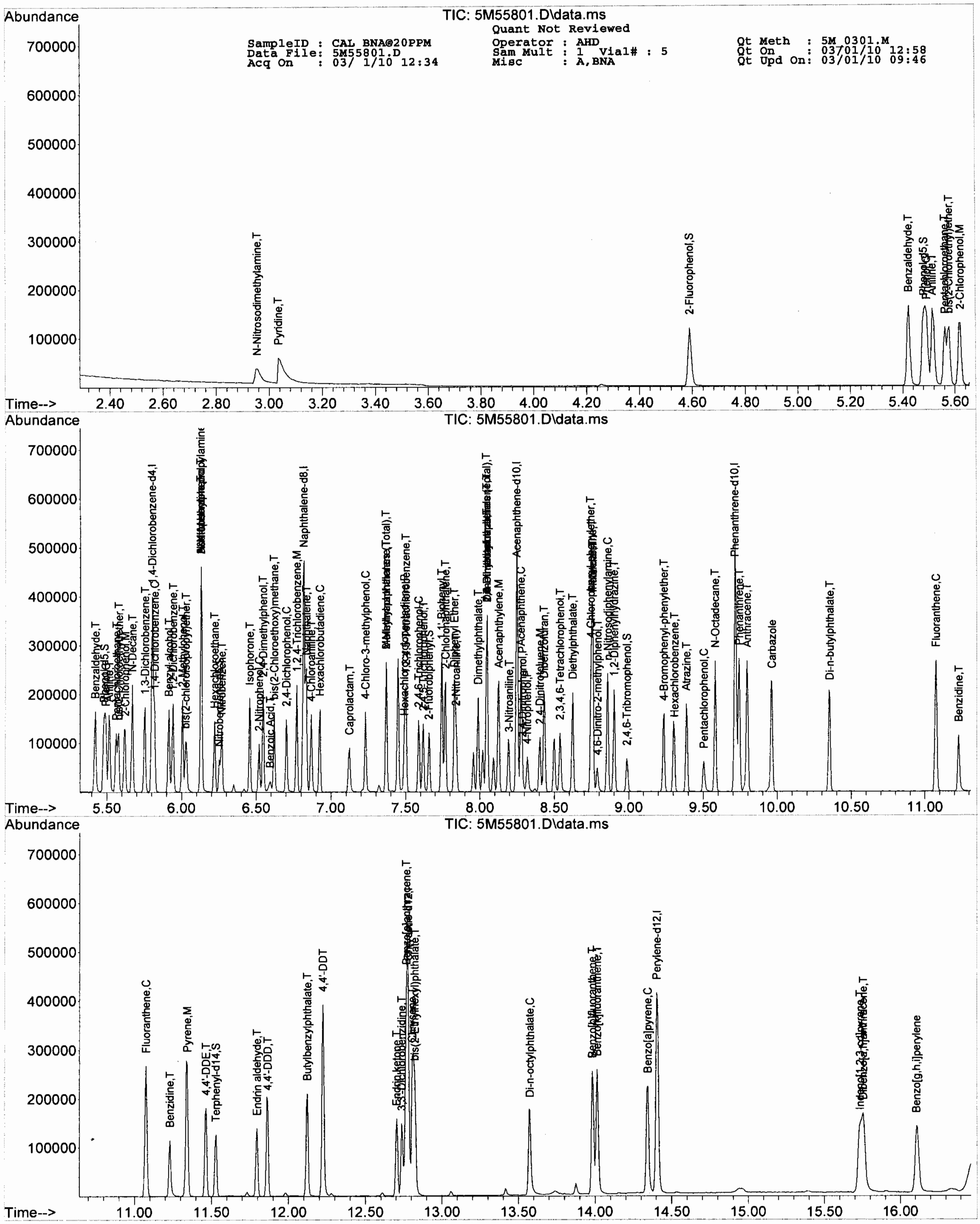
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55801.D Sam Mult : 1 Vial# : 5 Qt On : 03/01/10 12:58
Acq On : 03/ 1/10 12:34 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.319	65	11242	20.66 ng	86
67)	2,3,4,6-Tetrachlorophenol	8.538	232	14903	20.75 ng	84
68)	Fluorene	8.757	166	67376	20.51 ng	99
69)	4-Chlorophenyl-phenyle...	8.746	204	32826	20.11 ng	87
70)	Diethylphthalate	8.623	149	65762	19.63 ng	96
71)	4-Nitroaniline	8.757	138	17876	22.59 ng	77
72)	Atrazine	9.387	200	19785	20.72 ng	96
74)	4,6-Dinitro-2-methylph...	8.789	198	7078	23.59 ng	56
75)	n-Nitrosodiphenylamine	8.858	169	57834	19.93 ng	98
77)	1,2-Diphenylhydrazine	8.901	77	74944	18.22 ng	86
78)	4-Bromophenyl-phenylether	9.238	248	17849	19.54 ng	93
79)	Hexachlorobenzene	9.307	284	15924	19.83 ng	72
80)	N-Octadecane	9.579	57	43772	14.74 ng	74
81)	Pentachlorophenol	9.505	266	7213	16.62 ng	98
82)	Phenanthrene	9.740	178	103728	19.73 ng	99
83)	Anthracene	9.793	178	105562	20.47 ng	99
84)	Carbazole	9.964	167	99429	19.90 ng	98
85)	Di-n-butylphthalate	10.354	149	112859	19.50 ng	97
86)	Fluoranthene	11.075	202	114226	20.09 ng	94
88)	Pyrene	11.342	202	125747	18.46 ng	88
89)	Benzidine	11.230	184	47134	26.01 ng	87
91)	4,4'-DDE	11.465	246	22072	16.81 ng	89
92)	Endrin	11.797	81	5266	16.82 ng	64
93)	4,4'-DDD	11.866	235	37372	17.50 ng	91
94)	Butylbenzylphthalate	12.122	149	51274	17.94 ng	89
95)	Endrin aldehyde	11.797	67	2899	13.26 ng	62
96)	4,4'-DDT	12.224	235	30778	19.54 ng	96
97)	Endrin ketone	12.705	317	3398	17.08 ng	99
98)	3,3'-Dichlorobenzidine	12.737	252	31593	24.91 ng	97
99)	Benzo[a]anthracene	12.769	228	116743	19.24 ng	100
100)	Chrysene	12.806	228	109721	19.87 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.822	149	67213	19.99 ng	94
103)	Di-n-octylphthalate	13.575	149	112985	18.51 ng	100
104)	Benzo[b]fluoranthene	13.981	252	100484	18.84 ng	96
105)	Benzo[k]fluoranthene	14.014	252	106612	20.63 ng	95
106)	Benzo[a]pyrene	14.345	252	98864	20.04 ng	93
107)	Indeno[1,2,3-cd]pyrene	15.734	276	101698	20.85 ng	92
108)	Dibenzo[a,h]anthracene	15.755	278	84255	21.33 ng	96
109)	Benzo[g,h,i]perylene	16.108	276	86243	20.94 ng	94

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


TIC: 5M55801.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M55801.D
Acq On : 03/ 1/10 12:34
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 12:58
Qt Upd On: 03/01/10 09:46
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
Naphthalene-d8,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,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
Terphenyl-d14,S
Endrin aldehyde,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 5M55804.D
Acq On : 03/ 1/10 14:29

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:43
Qt Upd On: 03/01/10 14:21

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.803	152	51398	40.00 ng	0.00
29) Naphthalene-d8	6.818	136	203168	40.00 ng	0.00
47) Acenaphthene-d10	8.249	164	117274	40.00 ng	0.00
73) Phenanthrene-d10	9.713	188	216894	40.00 ng	0.00
87) Chrysene-d12	12.780	240	172706	40.00 ng	0.00
102) Perylene-d12	14.409	264	179788	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.590	112	158761	86.70 ng	0.00
Spiked Amount 100.000			Recovery =	86.70%	
15) Phenol-d5	5.482	99	212985	83.63 ng	0.00
Spiked Amount 100.000			Recovery =	83.63%	
30) Nitrobenzene-d5	6.257	128	36313	41.99 ng	0.00
Spiked Amount 50.000			Recovery =	83.98%	
52) 2-Fluorobiphenyl	7.656	172	151181	38.97 ng	0.00
Spiked Amount 50.000			Recovery =	77.94%	
76) 2,4,6-Tribromophenol	8.992	330	28719	84.92 ng	0.00
Spiked Amount 100.000			Recovery =	84.92%	
90) Terphenyl-d14	11.524	244	193898	40.84 ng	0.00
Spiked Amount 50.000			Recovery =	81.68%	
Target Compounds					Qvalue
8) Pyridine	3.009	79	196029	84.93 ng	67
9) N-Nitrosodimethylamine	2.944	74	119961	86.93 ng	68
11) Benzaldehyde	5.423	77	88995	71.85 ng	76
12) Aniline	5.519	93	247840	89.35 ng	43
13) Pentachloroethane	5.562	117	47163	81.77 ng	83
14) bis(2-Chloroethyl)ether	5.578	93	155415	83.14 ng	80
16) Phenol	5.493	94	228678	84.27 ng	84
17) 2-Chlorophenol	5.621	128	149668	82.73 ng	82
18) N-Decane	5.669	57	149802	78.74 ng	79
19) 1,3-Dichlorobenzene	5.754	146	159488	82.53 ng	97
20) 1,4-Dichlorobenzene	5.819	146	157909	80.60 ng	98
21) 1,2-Dichlorobenzene	5.941	146	148960	81.84 ng	99
22) Benzyl alcohol	5.915	108	105269	83.75 ng	75
23) bis(2-chloroisopropyl)...	6.032	45	174967	78.89 ng	97
24) 2-Methylphenol	6.006	108	141230	81.86 ng	97
25) Acetophenone	6.134	105	185222	78.15 ng	75
26) Hexachloroethane	6.219	117	60164	82.24 ng	80
27) N-Nitroso-di-n-propyla...	6.134	70	100329	77.19 ng	63
28) 3&4-Methylphenol	6.134	108	134919	79.71 ng	98
31) Nitrobenzene	6.267	77	160170	81.21 ng	85
32) Isophorone	6.460	82	308414	78.99 ng	88
33) 2-Nitrophenol	6.518	139	76804	87.78 ng	91
34) 2,4-Dimethylphenol	6.545	107	154508	81.19 ng	100
35) Benzoic Acid	6.625	105	60928m	90.41 ng	
36) bis(2-Chloroethoxy)met...	6.620	93	178892	80.13 ng	97
37) 2,4-Dichlorophenol	6.705	162	117233	83.31 ng	88
38) 1,2,4-Trichlorobenzene	6.769	180	137511	81.11 ng	97
39) Naphthalene	6.834	128	414963	79.33 ng	99
40) 4-Chloroaniline	6.866	127	153417	79.90 ng	99
41) Hexachlorobutadiene	6.924	225	73133	80.19 ng	97
42) Caprolactam	7.154	113	56766	84.07 ng	70
43) 4-Chloro-3-methylphenol	7.234	107	137720	82.69 ng	87
44) 2-Methylnaphthalene	7.368	142	282878	79.76 ng	100
45) Methylnaphthalenes (To...	7.368	142	282878	79.76 ng	100
46) 1,1'-Biphenyl	7.742	154	337960	76.69 ng	97
48) 1,2,4,5-Tetrachloroben...	7.501	216	130610	79.44 ng	97
49) Hexachlorocyclopentadiene	7.491	237	66870	86.03 ng	99
50) 2,4,6-Trichlorophenol	7.587	196	88927	84.99 ng	98
51) 2,4,5-Trichlorophenol	7.624	196	91890	79.95 ng	99
53) 2-Chloronaphthalene	7.769	162	250921	76.31 ng	94
54) 1,4-Dimethylnaphthalene	8.046	156	189545	74.98 ng	92
55) Dimethylnaphthalenes (...	8.046	156	189545	74.98 ng	92
56) Diphenyl Ether	7.827	170	186590	77.93 ng	83
57) 2-Nitroaniline	7.843	65	97786	79.93 ng	58
58) Acenaphthylene	8.126	152	423558	77.89 ng	99
59) Dimethylphthalate	7.993	163	303601	77.83 ng	98
60) 2,6-Dinitrotoluene	8.046	165	63674	79.92 ng	71
61) Acenaphthene	8.276	153	258179	76.95 ng	98
62) 3-Nitroaniline	8.196	138	76202	84.84 ng	43
63) 2,4-Dinitrophenol	8.287	184	34295	87.08 ng	78
64) Dibenzofuran	8.436	168	375312	77.75 ng	88
65) 2,4-Dinitrotoluene	8.404	165	95378	85.62 ng	71

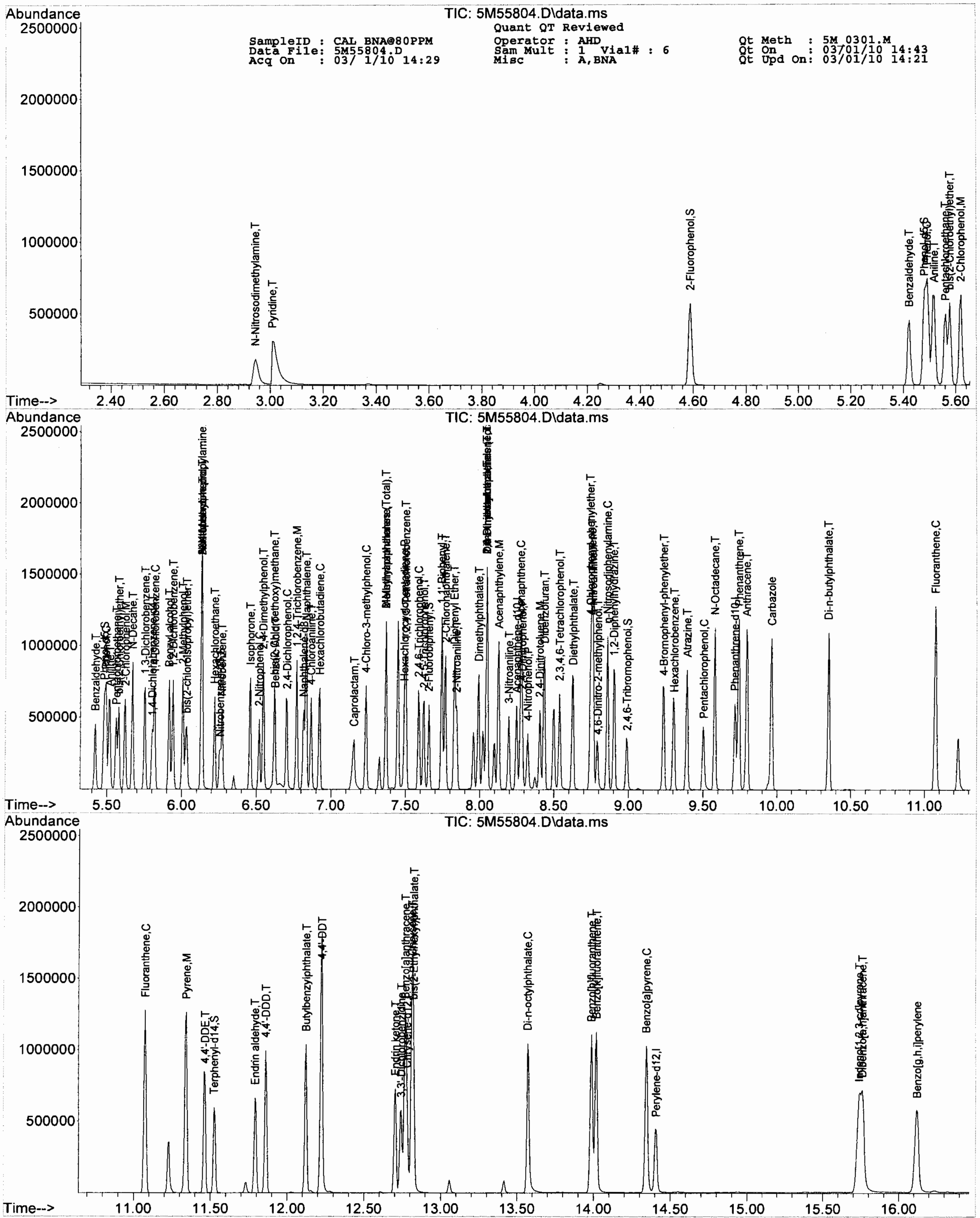
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55804.D Sam Mult : 1 Vial# : 6 Qt On : 03/01/10 14:43
Acq On : 03/ 1/10 14:29 Misc : A,BNA Qt Upd On: 03/01/10 14:21

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	8.324	65	55892	82.47 ng	83
67) 2,3,4,6-Tetrachlorophenol	8.538	232	74965	83.72 ng	84
68) Fluorene	8.757	166	293845	76.20 ng	100
69) 4-Chlorophenyl-phenyle...	8.746	204	152849	78.47 ng	86
70) Diethylphthalate	8.629	149	309955	78.45 ng	95
71) 4-Nitroaniline	8.762	138	83726	80.31 ng	81
72) Atrazine	9.393	200	97206	81.15 ng	97
74) 4,6-Dinitro-2-methylph...	8.794	198	51709	84.55 ng	67
75) n-Nitrosodiphenylamine	8.858	169	261763	77.86 ng	98
77) 1,2-Diphenylhydrazine	8.901	77	338902	77.45 ng	88
78) 4-Bromophenyl-phenylether	9.238	248	85352	79.41 ng	88
79) Hexachlorobenzene	9.307	284	74980	78.88 ng	75
80) N-Octadecane	9.580	57	192311	76.57 ng	70
81) Pentachlorophenol	9.505	266	48306	85.65 ng	96
82) Phenanthrene	9.740	178	473058	76.48 ng	100
83) Anthracene	9.793	178	472738	77.12 ng	99
84) Carbazole	9.964	167	453685	77.63 ng	98
85) Di-n-butylphthalate	10.349	149	571130	82.06 ng	98
86) Fluoranthene	11.075	202	554725	80.11 ng	95
88) Pyrene	11.342	202	561428	80.24 ng	89
91) 4,4'-DDE	11.465	246	105371	82.83 ng	89
92) Endrin	11.791	81	26337	83.35 ng	59
93) 4,4'-DDD	11.861	235	182067	83.77 ng	91
94) Butylbenzylphthalate	12.122	149	254685	84.10 ng	92
95) Endrin aldehyde	11.791	67	13649	79.66 ng	66
96) 4,4'-DDT	12.224	235	155271	85.80 ng	97
97) Endrin ketone	12.705	317	17214	84.66 ng	98
98) 3,3'-Dichlorobenzidine	12.742	252	133781	83.60 ng	97
99) Benzo[a]anthracene	12.769	228	510821	78.85 ng	99
100) Chrysene	12.812	228	470851	78.63 ng	99
101) bis(2-Ethylhexyl)phtha...	12.822	149	313057	83.84 ng	94
103) Di-n-octylphthalate	13.570	149	604038	86.70 ng	100
104) Benzo[b]fluoranthene	13.987	252	478270	82.10 ng	96
105) Benzo[k]fluoranthene	14.019	252	449858	77.60 ng	95
106) Benzo[a]pyrene	14.345	252	459306	81.41 ng	95
107) Indeno[1,2,3-cd]pyrene	15.739	276	461466	81.74 ng	94
108) Dibenzo[a,h]anthracene	15.761	278	375974	81.77 ng	96
109) Benzo[g,h,i]perylene	16.124	276	382439	80.05 ng	94

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


Abundance
TIC: 5M55804.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M55804.D
Acq On : 03/ 1/10 14:29
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 14:43
Qt Upd On: 03/01/10 14:21
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
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
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-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 : 5M_0301.M
Data File: 5M55798.D   Sam Mult : 1 Vial# : 7   Qt On : 03/01/10 11:37
Acq On : 03/ 1/10 11:19   Misc : A,BNA   Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.824	152	46409	40.00 ng	-0.03
29) Naphthalene-d8	6.834	136	189086	40.00 ng	-0.04
47) Acenaphthene-d10	8.271	164	110244	40.00 ng	-0.04
73) Phenanthrene-d10	9.740	188	212970	40.00 ng	-0.04
87) Chrysene-d12	12.812	240	164776	40.00 ng	-0.04
102) Perylene-d12	14.441	264	178620	40.00 ng	-0.04
System Monitoring Compounds					
10) 2-Fluorophenol	4.611	112	210299	122.66 ng	-0.04
Spiked Amount 100.000			Recovery =	122.66%	
15) Phenol-d5	5.504	99	285703	124.25 ng	-0.03
Spiked Amount 100.000			Recovery =	124.25%	
30) Nitrobenzene-d5	6.273	128	48911	67.53 ng	-0.04
Spiked Amount 50.000			Recovery =	135.06%	
52) 2-Fluorobiphenyl	7.678	172	206713	56.15 ng	-0.04
Spiked Amount 50.000			Recovery =	112.30%	
76) 2,4,6-Tribromophenol	9.019	330	40414	136.91 ng	-0.03
Spiked Amount 100.000			Recovery =	136.91%	
90) Terphenyl-d14	11.556	244	268545	58.72 ng	-0.04
Spiked Amount 50.000			Recovery =	117.44%	
Target Compounds					Qvalue
8) Pyridine	3.041	79	268748	115.66 ng	66
9) N-Nitrosodimethylamine	2.977	74	161670	115.74 ng	67
11) Benzaldehyde	5.439	77	69501	43.21 ng	81
12) Aniline	5.536	93	321712	140.45 ng	43
13) Pentachloroethane	5.584	117	59820	76.93 ng	84
14) bis(2-Chloroethyl)ether	5.600	93	199015	114.56 ng	80
16) Phenol	5.514	94	301816	128.09 ng	83
17) 2-Chlorophenol	5.642	128	196863	123.44 ng	81
18) N-Decane	5.691	57	192410	80.47 ng	76
19) 1,3-Dichlorobenzene	5.771	146	201204	113.84 ng	99
20) 1,4-Dichlorobenzene	5.835	146	203484	114.96 ng	97
21) 1,2-Dichlorobenzene	5.963	146	189192	113.87 ng	98
22) Benzyl alcohol	5.936	108	140973	122.36 ng	75
23) bis(2-chloroisopropyl)...	6.048	45	232170	102.26 ng	96
24) 2-Methylphenol	6.027	108	188643	120.71 ng	97
25) Acetophenone	6.155	105	243010	112.71 ng	74
26) Hexachloroethane	6.241	117	77498	116.85 ng	75
27) N-Nitroso-di-n-propyla...	6.155	70	133555	111.32 ng	62
28) 3&4-Methylphenol	6.150	108	177031	119.54 ng	95
31) Nitrobenzene	6.289	77	212935	117.82 ng	85
32) Isophorone	6.481	82	421480	110.88 ng	88
33) 2-Nitrophenol	6.540	139	104587	151.00 ng	89
34) 2,4-Dimethylphenol	6.567	107	206333	115.19 ng	100
35) Benzoic Acid	6.652	105	108473m	114.31 ng	
36) bis(2-Chloroethoxy)met...	6.641	93	240542	111.05 ng	98
37) 2,4-Dichlorophenol	6.722	162	156240	122.28 ng	91
38) 1,2,4-Trichlorobenzene	6.791	180	179108	113.66 ng	98
39) Naphthalene	6.855	128	543709	110.69 ng	100
40) 4-Chloroaniline	6.887	127	183110	127.17 ng	99
41) Hexachlorobutadiene	6.941	225	94924	115.97 ng	96
42) Caprolactam	7.181	113	79455	133.97 ng	70
43) 4-Chloro-3-methylphenol	7.256	107	191629	127.44 ng	89
44) 2-Methylnaphthalene	7.389	142	370655	113.92 ng	100
45) Methylnaphthalenes (To...	7.389	142	370655	113.92 ng	100
46) 1,1'-Biphenyl	7.763	154	450511	91.12 ng	97
48) 1,2,4,5-Tetrachloroben...	7.523	216	171422	112.05 ng	97
49) Hexachlorocyclopentadiene	7.512	237	89201	140.07 ng	99
50) 2,4,6-Trichlorophenol	7.614	196	118990	127.26 ng	100
51) 2,4,5-Trichlorophenol	7.646	196	126181	125.86 ng	99
53) 2-Chloronaphthalene	7.790	162	339089	111.74 ng	95
54) 1,4-Dimethylnaphthalene	8.073	156	254155	75.09 ng	90
55) Dimethylnaphthalenes (...	8.073	156	254155	75.09 ng	90
56) Diphenyl Ether	7.849	170	248558	111.92 ng	85
57) 2-Nitroaniline	7.865	65	136685	123.40 ng	64
58) Acenaphthylene	8.148	152	564061	112.94 ng	98
59) Dimethylphthalate	8.014	163	415416	116.40 ng	99
60) 2,6-Dinitrotoluene	8.068	165	87023	145.18 ng	73
61) Acenaphthene	8.303	153	350264	112.53 ng	96
62) 3-Nitroaniline	8.217	138	97528	142.65 ng	41
63) 2,4-Dinitrophenol	8.314	184	50811	271.38 ng	89
64) Dibenzofuran	8.458	168	503532	113.89 ng	90
65) 2,4-Dinitrotoluene	8.431	165	133647	161.53 ng	69

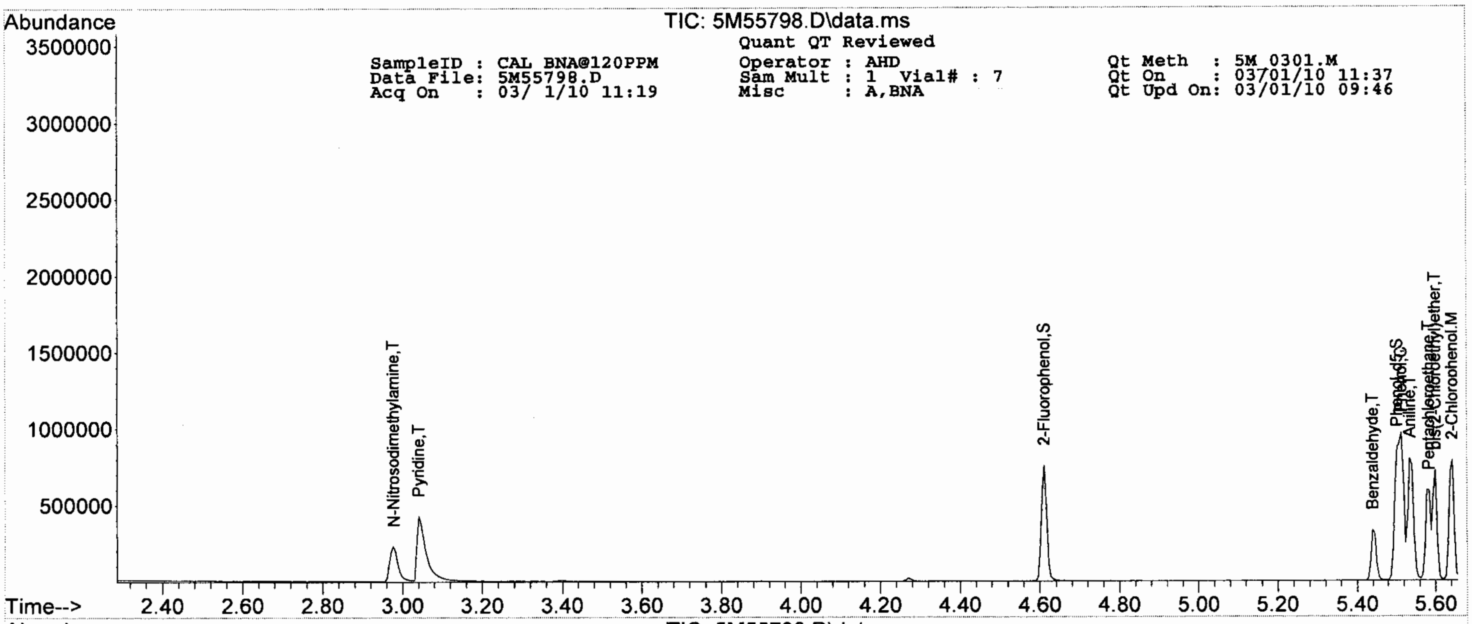
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55798.D Sam Mult : 1 Vial# : 7 Qt On : 03/01/10 11:37
Acq On : 03/ 1/10 11:19 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	8.351	65	79909	137.18 ng	83
67) 2,3,4,6-Tetrachlorophenol	8.565	232	104146	135.39 ng	84
68) Fluorene	8.784	166	392564	111.60 ng	99
69) 4-Chlorophenyl-phenyle...	8.773	204	206276	118.02 ng	83
70) Diethylphthalate	8.650	149	428722	119.52 ng	96
71) 4-Nitroaniline	8.794	138	113960	134.49 ng	81
72) Atrazine	9.419	200	134424	131.46 ng	97
74) 4,6-Dinitro-2-methylph...	8.821	198	75314	218.31 ng	62
75) n-Nitrosodiphenylamine	8.885	169	356047	106.76 ng	100
77) 1,2-Diphenylhydrazine	8.928	77	461481	97.60 ng	85
78) 4-Bromophenyl-phenylether	9.264	248	118099	112.49 ng	87
79) Hexachlorobenzene	9.334	284	102968	111.54 ng	75
80) N-Octadecane	9.601	57	270723	79.31 ng	70
81) Pentachlorophenol	9.532	266	69877	140.02 ng	98
82) Phenanthrene	9.767	178	646310	106.95 ng	100
83) Anthracene	9.825	178	650715	109.79 ng	99
84) Carbazole	9.991	167	636577	110.81 ng	98
85) Di-n-butylphthalate	10.376	149	802911	120.70 ng	98
86) Fluoranthene	11.108	202	771327	118.02 ng	93
88) Pyrene	11.369	202	786204	114.67 ng	92
89) Benzidine	11.257	184	142295	78.02 ng	90
91) 4,4'-DDE	11.492	246	145234	109.94 ng	89
92) Endrin	11.823	81	37765	119.85 ng	62
93) 4,4'-DDD	11.893	235	252282	117.35 ng	92
94) Butylbenzylphthalate	12.149	149	363763	126.50 ng	95
95) Endrin aldehyde	11.823	67	19387	88.13 ng	66
96) 4,4'-DDT	12.251	235	219007	138.17 ng	98
97) Endrin ketone	12.737	317	24156	120.63 ng	99
98) 3,3'-Dichlorobenzidine	12.769	252	163208	127.84 ng	98
99) Benzo[a]anthracene	12.801	228	709537	116.18 ng	99
100) Chrysene	12.844	228	626194	112.65 ng	99
101) bis(2-Ethylhexyl)phtha...	12.849	149	420103	124.13 ng	94
103) Di-n-octylphthalate	13.597	149	871148	131.80 ng	100
104) Benzo[b]fluoranthene	14.019	252	678479	117.45 ng	96
105) Benzo[k]fluoranthene	14.051	252	614289	109.75 ng	96
106) Benzo[a]pyrene	14.382	252	641835	120.14 ng	94
107) Indeno[1,2,3-cd]pyrene	15.787	276	633413	119.95 ng	96
108) Dibenzo[a,h]anthracene	15.809	278	513305	120.01 ng	96
109) Benzo[g,h,i]perylene	16.177	276	537352	120.47 ng	93

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


Abundance
TIC: 5M55798.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M55798.D
Acq On : 03/ 1/10 11:19
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 11:37
Qt Upd On: 03/01/10 09:46
3500000
3000000
2500000
2000000
1500000
1000000
500000
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
Time-->
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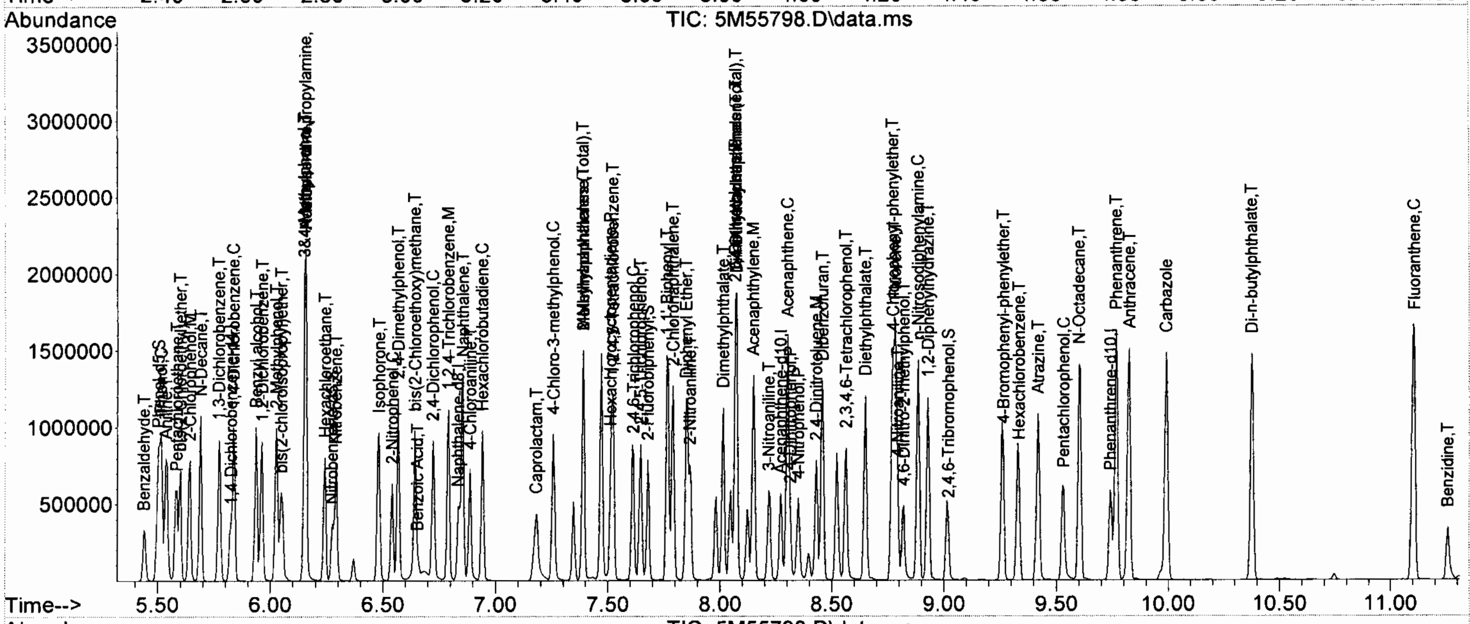
Abundance
TIC: 5M55798.D\data.ms
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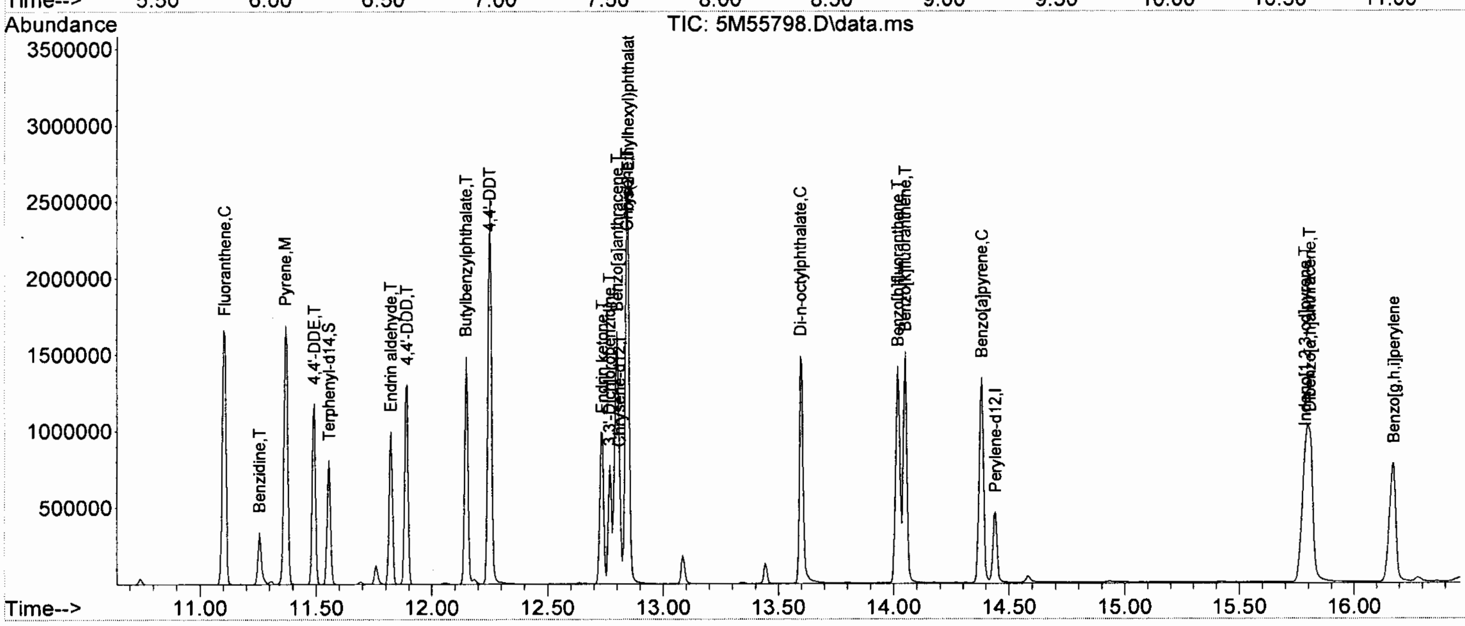
3000000
2500000
2000000
1500000
1000000
500000
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrotoluene,M
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
N-Nitrosodiphenylamine,C
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
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Time-->
5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00


Abundance
TIC: 5M55798.D\data.ms
3500000
3000000
2500000
2000000
1500000
1000000
500000
Fluoranthene,C
Benzidine,T
Pyrene,M
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
Benzo[a]anthracene,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55799.D Sam Mult : 1 Vial# : 8 Qt On : 03/01/10 11:59
Acq On : 03/ 1/10 11:41 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.824	152	44825	40.00 ng	-0.03
29) Naphthalene-d8	6.839	136	181058	40.00 ng	-0.03
47) Acenaphthene-d10	8.271	164	107183	40.00 ng	-0.04
73) Phenanthrene-d10	9.740	188	205100	40.00 ng	-0.04
87) Chrysene-d12	12.812	240	155505	40.00 ng	-0.04
102) Perylene-d12	14.441	264	166069	40.00 ng	-0.04
System Monitoring Compounds					
10) 2-Fluorophenol	4.611	112	277727	167.72 ng	-0.04
Spiked Amount 100.000			Recovery =	167.72%	
15) Phenol-d5	5.503	99	371534	167.28 ng	-0.03
Spiked Amount 100.000			Recovery =	167.28%	
30) Nitrobenzene-d5	6.278	128	64001	92.28 ng	-0.03
Spiked Amount 50.000			Recovery =	184.56%	
52) 2-Fluorobiphenyl	7.678	172	262374	73.30 ng	-0.04
Spiked Amount 50.000			Recovery =	146.60%	
76) 2,4,6-Tribromophenol	9.019	330	52884	186.03 ng	-0.03
Spiked Amount 100.000			Recovery =	186.03%	
90) Terphenyl-d14	11.556	244	343635	79.62 ng	-0.04
Spiked Amount 50.000			Recovery =	159.24%	
Target Compounds					Qvalue
8) Pyridine	3.041	79	349439	155.71 ng	66
9) N-Nitrosodimethylamine	2.977	74	213879	158.53 ng	69
11) Benzaldehyde	5.445	77	70308	45.25 ng	78
12) Aniline	5.541	93	398136	179.96 ng	39
13) Pentachloroethane	5.584	117	77267	102.88 ng	84
14) bis(2-Chloroethyl)ether	5.600	93	252664	150.58 ng	81
16) Phenol	5.519	94	381961	167.83 ng	83
17) 2-Chlorophenol	5.642	128	252616	164.00 ng	83
18) N-Decane	5.690	57	237854	103.00 ng	76
19) 1,3-Dichlorobenzene	5.776	146	256567	150.30 ng	97
20) 1,4-Dichlorobenzene	5.835	146	260092	152.13 ng	98
21) 1,2-Dichlorobenzene	5.963	146	241940	150.76 ng	99
22) Benzyl alcohol	5.936	108	182821	164.29 ng	77
23) bis(2-chloroisopropyl)...	6.048	45	292183	133.24 ng	98
24) 2-Methylphenol	6.027	108	242838	160.88 ng	97
25) Acetophenone	6.155	105	298405	143.30 ng	75
26) Hexachloroethane	6.241	117	99731	155.68 ng	76
27) N-Nitroso-di-n-propyla...	6.155	70	162882	140.57 ng	64
28) 3&4-Methylphenol	6.155	108	216544	151.38 ng	99
31) Nitrobenzene	6.294	77	270299	156.19 ng	82
32) Isophorone	6.481	82	536784	147.47 ng	90
33) 2-Nitrophenol	6.540	139	135860	204.85 ng	92
34) 2,4-Dimethylphenol	6.567	107	263973	153.90 ng	99
35) Benzoic Acid	6.663	105	187124m	205.94 ng	
36) bis(2-Chloroethoxy)met...	6.641	93	303482	146.32 ng	98
37) 2,4-Dichlorophenol	6.727	162	197934	161.78 ng	89
38) 1,2,4-Trichlorobenzene	6.791	180	227657	150.87 ng	97
39) Naphthalene	6.855	128	687117	146.08 ng	99
40) 4-Chloroaniline	6.887	127	208227	151.03 ng	99
41) Hexachlorobutadiene	6.946	225	123038	156.98 ng	97
42) Caprolactam	7.192	113	103162	181.65 ng	70
43) 4-Chloro-3-methylphenol	7.256	107	247343	171.78 ng	90
44) 2-Methylnaphthalene	7.389	142	473945	152.13 ng	99
45) Methylnaphthalenes (To...	7.389	142	473945	152.13 ng	99
46) 1,1'-Biphenyl	7.769	154	579203	122.34 ng	96
48) 1,2,4,5-Tetrachloroben...	7.523	216	216015	145.23 ng	98
49) Hexachlorocyclopentadiene	7.512	237	119745	193.40 ng	99
50) 2,4,6-Trichlorophenol	7.614	196	154354	169.79 ng	100
51) 2,4,5-Trichlorophenol	7.646	196	166570	170.89 ng	97
53) 2-Chloronaphthalene	7.790	162	430651	145.96 ng	95
54) 1,4-Dimethylnaphthalene	8.073	156	321234	97.62 ng	89
55) Dimethylnaphthalenes (...	8.073	156	321234	97.62 ng	89
56) Diphenyl Ether	7.854	170	316729	146.70 ng	80
57) 2-Nitroaniline	7.870	65	173522	161.13 ng	57
58) Acenaphthylene	8.153	152	710651	146.35 ng	99
59) Dimethylphthalate	8.020	163	525885	151.56 ng	98
60) 2,6-Dinitrotoluene	8.073	165	108933	186.92 ng	68
61) Acenaphthene	8.303	153	445750	147.30 ng	97
62) 3-Nitroaniline	8.223	138	117512	176.78 ng	43
63) 2,4-Dinitrophenol	8.313	184	69570	382.19 ng	82
64) Dibenzofuran	8.458	168	626046	145.64 ng	91
65) 2,4-Dinitrotoluene	8.436	165	171136	212.75 ng	66

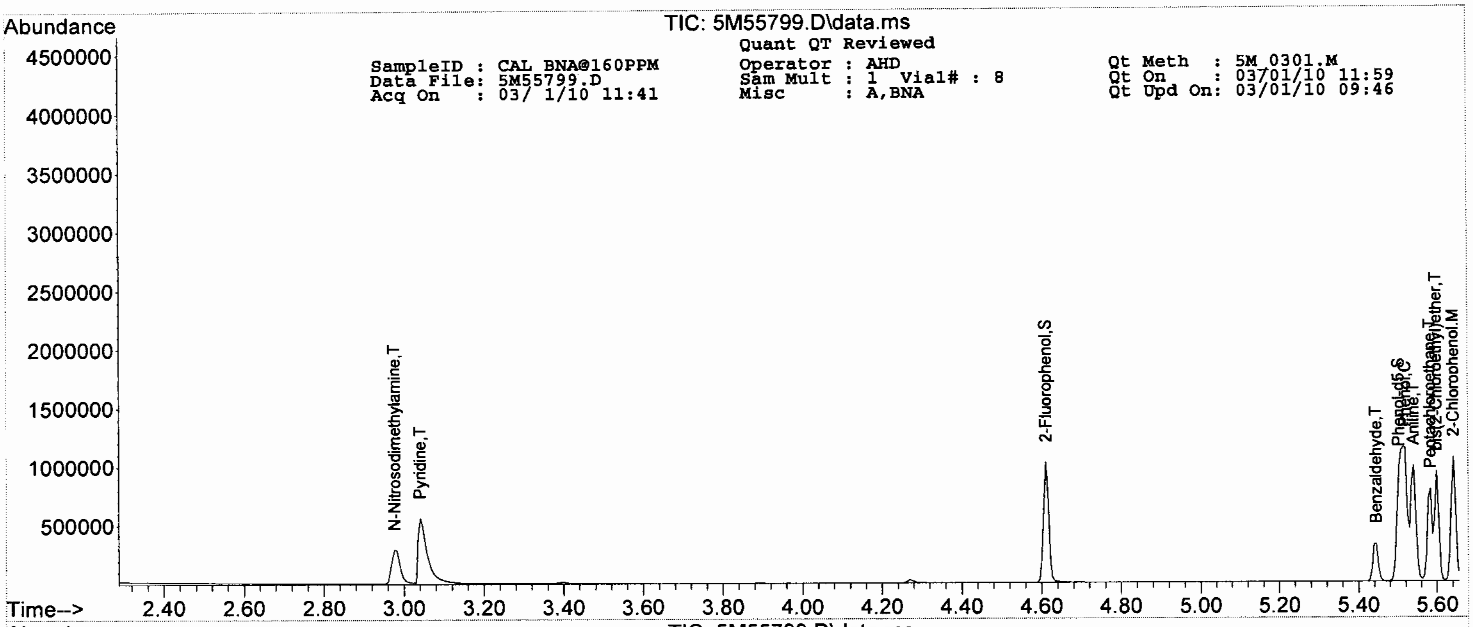
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55799.D Sam Mult : 1 Vial# : 8 Qt On : 03/01/10 11:59
Acq On : 03/ 1/10 11:41 Misc : A,BNA Qt Upd On: 03/01/10 09:46

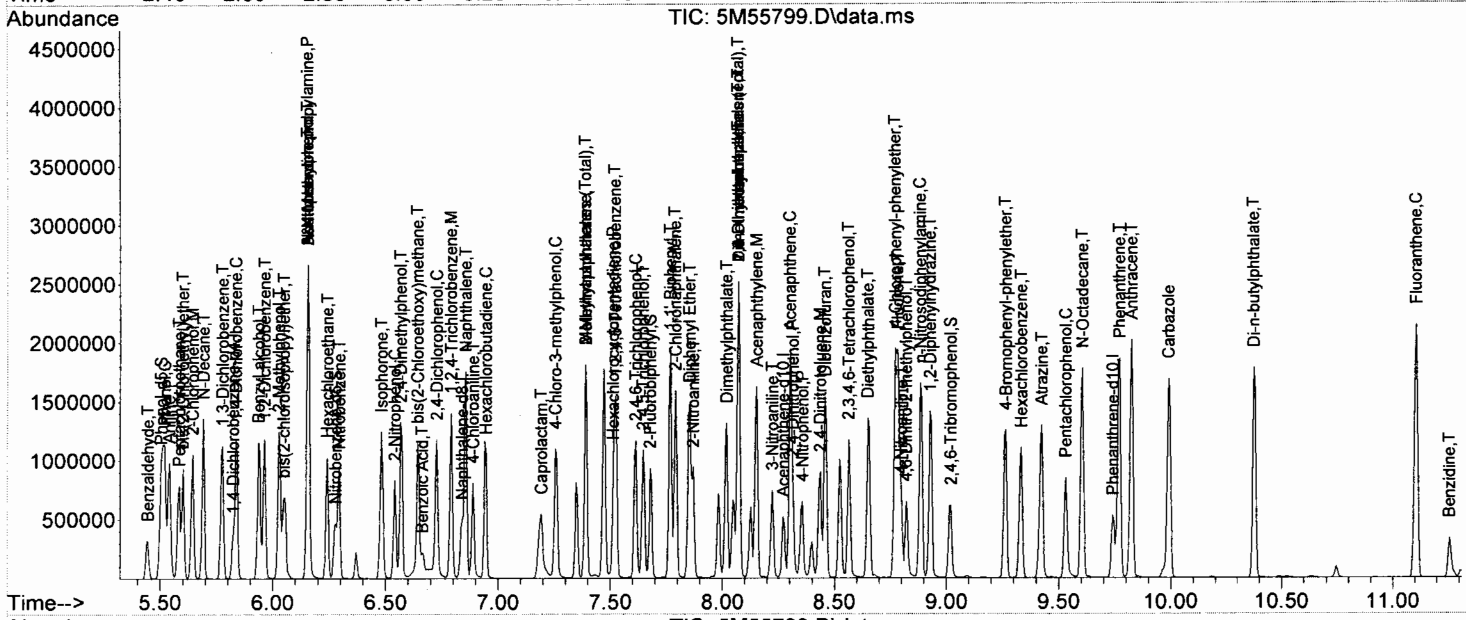
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	8.356	65	104849	185.13 ng	83
67) 2,3,4,6-Tetrachlorophenol	8.565	232	132864	177.65 ng	84
68) Fluorene	8.784	166	492859	144.11 ng	100
69) 4-Chlorophenyl-phenyle...	8.773	204	261339	153.79 ng	85
70) Diethylphthalate	8.650	149	544517	156.14 ng	96
71) 4-Nitroaniline	8.800	138	145862	177.05 ng	81
72) Atrazine	9.425	200	173599	174.62 ng	96
74) 4,6-Dinitro-2-methylph...	8.821	198	98811	297.41 ng	52
75) n-Nitrosodiphenylamine	8.885	169	444050	138.25 ng	99
77) 1,2-Diphenylhydrazine	8.928	77	594243	130.50 ng	86
78) 4-Bromophenyl-phenylether	9.264	248	151155	149.50 ng	89
79) Hexachlorobenzene	9.334	284	130928	147.27 ng	79
80) N-Octadecane	9.606	57	330386	100.50 ng	66
81) Pentachlorophenol	9.531	266	93713	194.99 ng	96
82) Phenanthrene	9.772	178	817297	140.44 ng	100
83) Anthracene	9.825	178	815922	142.95 ng	99
84) Carbazole	9.991	167	794307	143.57 ng	99
85) Di-n-butylphthalate	10.376	149	1001523	156.34 ng	98
86) Fluoranthene	11.107	202	974319	154.80 ng	93
88) Pyrene	11.375	202	987044	152.55 ng	89
89) Benzidine	11.257	184	145962	84.80 ng	88
91) 4,4'-DDE	11.492	246	184521	148.00 ng	89
92) Endrin	11.823	81	47839	160.87 ng	59
93) 4,4'-DDD	11.893	235	320663	158.06 ng	91
94) Butylbenzylphthalate	12.149	149	458130	168.81 ng	94
95) Endrin aldehyde	11.823	67	23795	114.62 ng	66
96) 4,4'-DDT	12.251	235	277187	185.30 ng	99
97) Endrin ketone	12.737	317	30757	162.75 ng	99
98) 3,3'-Dichlorobenzidine	12.774	252	194151	161.15 ng	96
99) Benzo[a]anthracene	12.801	228	901008	156.33 ng	99
100) Chrysene	12.849	228	804940	153.44 ng	98
101) bis(2-Ethylhexyl)phtha...	12.849	149	521457	163.27 ng	92
103) Di-n-octylphthalate	13.602	149	1118237	181.97 ng	100
104) Benzo[b]fluoranthene	14.024	252	836554	155.76 ng	95
105) Benzo[k]fluoranthene	14.056	252	787016	151.24 ng	94
106) Benzo[a]pyrene	14.388	252	807687	162.61 ng	93
107) Indeno[1,2,3-cd]pyrene	15.793	276	794415	161.81 ng	97
108) Dibenzo[a,h]anthracene	15.814	278	637028	160.19 ng	95
109) Benzo[g,h,i]perylene	16.183	276	674351	162.61 ng	94

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



TIC: 5M55799.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M55799.D
Acq On : 03/ 1/10 11:41
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 11:59
Qt Upd On: 03/01/10 09:46
Abundance
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
Time-->
2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M



Abundance
TIC: 5M55799.D\data.ms
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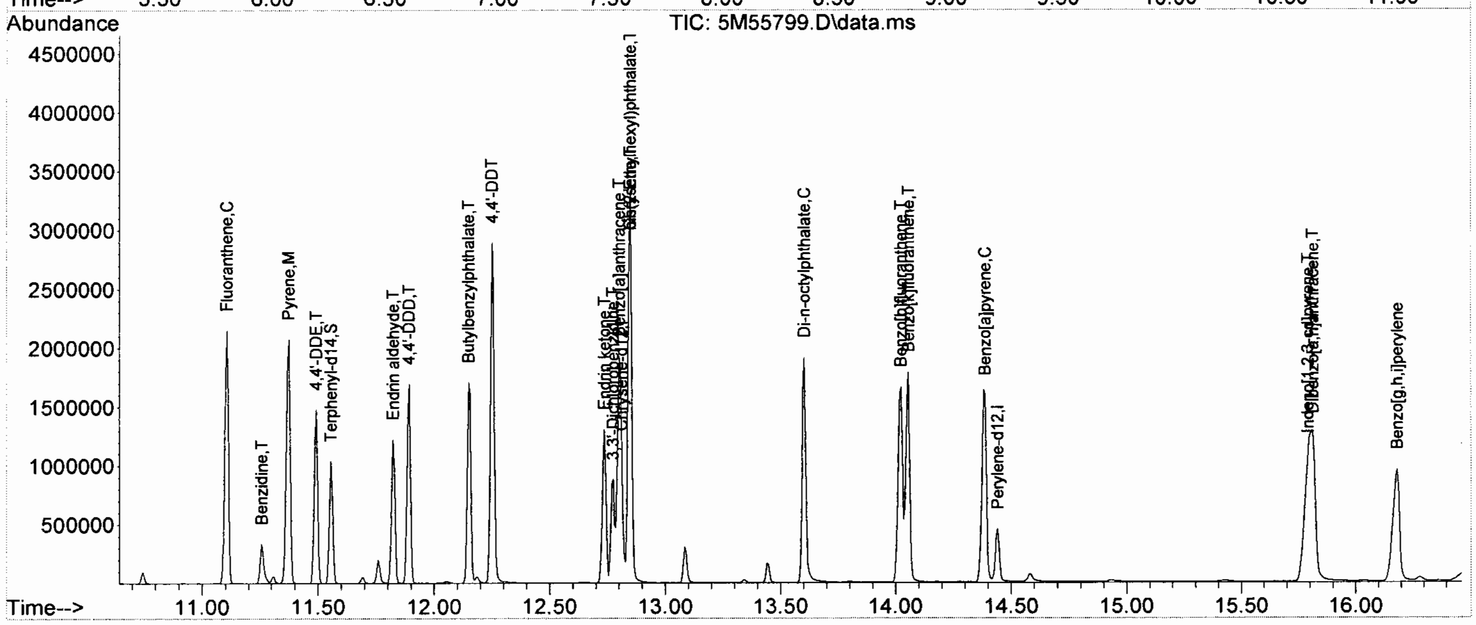
3000000
2500000
2000000
1500000
1000000
500000
Time-->
5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00
Benzaldehyde,T
1,3-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
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-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T



Abundance
TIC: 5M55799.D\data.ms
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
Time-->
11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55800.D Sam Mult : 1 Vial# : 9 Qt On : 03/01/10 12:57
Acq On : 03/ 1/10 12:04 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.824	152	43501	40.00 ng	-0.03
29) Naphthalene-d8	6.839	136	175337	40.00 ng	-0.03
47) Acenaphthene-d10	8.271	164	103098	40.00 ng	-0.04
73) Phenanthrene-d10	9.740	188	191633	40.00 ng	-0.04
87) Chrysene-d12	12.817	240	144088	40.00 ng	-0.03
102) Perylene-d12	14.441	264	157967	40.00 ng	-0.04
System Monitoring Compounds					
10) 2-Fluorophenol	4.611	112	324532	201.95 ng	-0.04
Spiked Amount 100.000			Recovery =	201.95%	
15) Phenol-d5	5.509	99	437225	202.85 ng	-0.03
Spiked Amount 100.000			Recovery =	202.85%	
30) Nitrobenzene-d5	6.278	128	77362	115.18 ng	-0.03
Spiked Amount 50.000			Recovery =	230.36%	
52) 2-Fluorobiphenyl	7.683	172	310286	90.13 ng	-0.03
Spiked Amount 50.000			Recovery =	180.26%	
76) 2,4,6-Tribromophenol	9.018	330	63185	237.89 ng	-0.03
Spiked Amount 100.000			Recovery =	237.89%	
90) Terphenyl-d14	11.556	244	402191	100.57 ng	-0.04
Spiked Amount 50.000			Recovery =	201.14%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
8) Pyridine	3.041	79	404776	185.85 ng	65
9) N-Nitrosodimethylamine	2.982	74	253524	193.63 ng	67
11) Benzaldehyde	5.439	77	71927	47.71 ng	83
12) Aniline	5.541	93	436258	203.19 ng	40
13) Pentachloroethane	5.583	117	91361	125.35 ng	83
14) bis(2-Chloroethyl)ether	5.599	93	295210	181.29 ng	82
16) Phenol	5.519	94	445798	201.85 ng	84
17) 2-Chlorophenol	5.642	128	300777	201.21 ng	83
18) N-Decane	5.690	57	274568	122.51 ng	76
19) 1,3-Dichlorobenzene	5.776	146	303892	183.44 ng	96
20) 1,4-Dichlorobenzene	5.835	146	305348	184.04 ng	98
21) 1,2-Dichlorobenzene	5.963	146	284717	182.82 ng	99
22) Benzyl alcohol	5.941	108	213565	197.76 ng	73
23) bis(2-chloroisopropyl)...	6.048	45	339314	159.45 ng	99
24) 2-Methylphenol	6.027	108	287175	196.04 ng	97
25) Acetophenone	6.155	105	343069	169.76 ng	75
26) Hexachloroethane	6.241	117	120763	194.25 ng	77
27) N-Nitroso-di-n-propyla...	6.160	70	187577	166.81 ng	62
28) 3&4-Methylphenol	6.155	108	249169	179.49 ng	98
31) Nitrobenzene	6.294	77	321413	191.79 ng	82
32) Isophorone	6.481	82	646634	183.45 ng	90
33) 2-Nitrophenol	6.540	139	164846	256.66 ng	92
34) 2,4-Dimethylphenol	6.572	107	314454	189.31 ng	99
35) Benzoic Acid	6.673	105	244561	277.93 ng	89
36) bis(2-Chloroethoxy)met...	6.647	93	356251	177.36 ng	97
37) 2,4-Dichlorophenol	6.727	162	237402	200.37 ng	91
38) 1,2,4-Trichlorobenzene	6.791	180	271035	185.48 ng	98
39) Naphthalene	6.855	128	801162	175.89 ng	99
40) 4-Chloroaniline	6.887	127	213715	160.07 ng	100
41) Hexachlorobutadiene	6.946	225	147268	194.03 ng	97
42) Caprolactam	7.197	113	122519	222.77 ng	70
43) 4-Chloro-3-methylphenol	7.261	107	291018	208.71 ng	86
44) 2-Methylnaphthalene	7.389	142	550990	182.63 ng	100
45) Methylnaphthalenes (To...	7.389	142	550990	182.63 ng	100
46) 1,1'-Biphenyl	7.768	154	674683	147.16 ng	95
48) 1,2,4,5-Tetrachloroben...	7.523	216	252575	176.54 ng	97
49) Hexachlorocyclopentadiene	7.517	237	142442	239.18 ng	100
50) 2,4,6-Trichlorophenol	7.613	196	178610	204.26 ng	99
51) 2,4,5-Trichlorophenol	7.651	196	195111	208.10 ng	99
53) 2-Chloronaphthalene	7.790	162	497793	175.40 ng	96
54) 1,4-Dimethylnaphthalene	8.073	156	368496	116.42 ng	89
55) Dimethylnaphthalenes (...	8.073	156	368496	116.42 ng	89
56) Diphenyl Ether	7.854	170	365509	176.00 ng	80
57) 2-Nitroaniline	7.870	65	200299	193.37 ng	59
58) Acenaphthylene	8.153	152	827128	177.09 ng	99
59) Dimethylphthalate	8.019	163	621589	186.24 ng	98
60) 2,6-Dinitrotoluene	8.073	165	127167	226.85 ng	69
61) Acenaphthene	8.303	153	516371	177.39 ng	97
62) 3-Nitroaniline	8.222	138	134562	210.45 ng	42
63) 2,4-Dinitrophenol	8.319	184	84587	483.10 ng	83
64) Dibenzofuran	8.463	168	726391	175.68 ng	88
65) 2,4-Dinitrotoluene	8.436	165	203052	262.43 ng	71

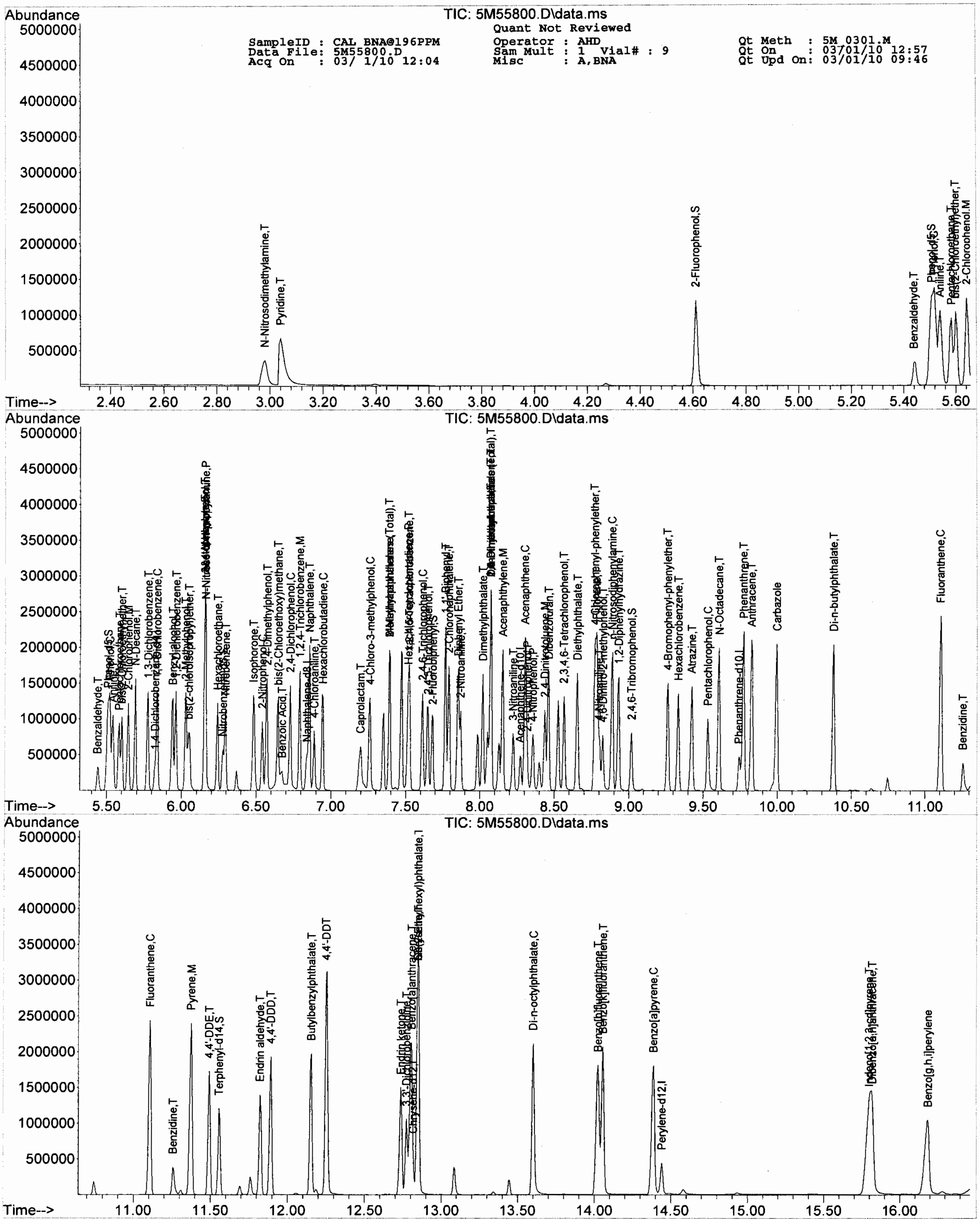
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55800.D Sam Mult : 1 Vial# : 9 Qt On : 03/01/10 12:57
Acq On : 03/ 1/10 12:04 Misc : A,BNA Qt Upd On: 03/01/10 09:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	8.356	65	126024	231.33 ng	85
67) 2,3,4,6-Tetrachlorophenol	8.564	232	157881	219.47 ng	84
68) Fluorene	8.783	166	578753	175.93 ng	100
69) 4-Chlorophenyl-phenyle...	8.773	204	311603	190.64 ng	84
70) Diethylphthalate	8.655	149	635093	189.32 ng	96
71) 4-Nitroaniline	8.799	138	173616	219.09 ng	82
72) Atrazine	9.425	200	199604	208.73 ng	97
74) 4,6-Dinitro-2-methylph...	8.826	198	118618	382.11 ng	60
75) n-Nitrosodiphenylamine	8.890	169	525448	175.09 ng	98
77) 1,2-Diphenylhydrazine	8.933	77	667734	156.94 ng	79
78) 4-Bromophenyl-phenylether	9.264	248	179048	189.53 ng	90
79) Hexachlorobenzene	9.334	284	154417	185.89 ng	79
80) N-Octadecane	9.606	57	374061	121.78 ng	66
81) Pentachlorophenol	9.531	266	110789	246.72 ng	97
82) Phenanthrene	9.772	178	950842	174.87 ng	100
83) Anthracene	9.825	178	943843	176.98 ng	99
84) Carbazole	9.996	167	927083	179.34 ng	99
85) Di-n-butylphthalate	10.381	149	1168785	195.27 ng	98
86) Fluoranthene	11.107	202	1119708	190.40 ng	93
88) Pyrene	11.374	202	1143456	190.73 ng	90
89) Benzidine	11.257	184	173096	108.54 ng	90
91) 4,4'-DDE	11.492	246	215820	186.83 ng	88
92) Endrin	11.823	81	54686	198.46 ng	56
93) 4,4'-DDD	11.893	235	375601	199.80 ng	92
94) Butylbenzylphthalate	12.154	149	539045	214.37 ng	90
95) Endrin aldehyde	11.823	67	27435	142.63 ng	67
96) 4,4'-DDT	12.251	235	325926	235.15 ng	100
97) Endrin ketone	12.737	317	36578	208.88 ng	99
98) 3,3'-Dichlorobenzidine	12.774	252	218791	195.99 ng	97
99) Benzo[a]anthracene	12.806	228	1032622	193.36 ng	100
100) Chrysene	12.849	228	914461	188.13 ng	99
101) bis(2-Ethylhexyl)phtha...	12.849	149	594639	200.93 ng	92
103) Di-n-octylphthalate	13.602	149	1298979	222.23 ng	100
104) Benzo[b]fluoranthene	14.024	252	1029559	201.53 ng	96
105) Benzo[k]fluoranthene	14.056	252	864216	174.59 ng	95
106) Benzo[a]pyrene	14.387	252	938269	198.59 ng	94
107) Indeno[1,2,3-cd]pyrene	15.798	276	947076	202.80 ng	96
108) Dibenzo[a,h]anthracene	15.819	278	745884	197.18 ng	94
109) Benzo[g,h,i]perylene	16.188	276	782689	198.42 ng	94

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


TIC: 5M55800.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M55800.D
Acq On : 03/ 1/10 12:04
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/01/10 12:57
Qt Upd On: 03/01/10 09:46
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,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-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
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M10400.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/9/2010 9:21:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
LibIS-1,4-Dichlorobenzene-d4	1	0		5.58	121.82					0.000		
LibIS-Naphthalene-d8	1	0		6.59	130.12					0.000		
LibIS-Acenaphthene-d10	1	0		7.96	63.02					0.000		
LibIS-Phenanthrene-d10	1	0		9.39	69.49					0.000		
LibIS-Chrysene-d12	1	0		12.40	225.25					0.000		
LibIS-Perylene-d12	1	0		14.00	70.20					0.000		
1,4-Dichlorobenzene-d4	1	0	I	5.57	40.00	40				0.000	0.00	
Pyridine	1	0		2.66	47.29	50			1.350	1.276	5.42	
N-Nitrosodimethylamine	1	0		2.60	50.66	50			0.761	0.771	1.32	
2-Fluorophenol	1	0	S	4.36	49.01	50			1.278	1.253	1.98	
Benzaldehyde	1	0		5.18	31.38	50			0.763	0.584	37.24	
Aniline	1	0		5.28	55.67	50			1.777	1.979	11.34	
Pentachloroethane	1	0		5.32	47.30	50			0.661	0.625	5.40	
bis(2-Chloroethyl)ether	1	0		5.35	50.44	50			1.269	1.281	0.88	
Phenol-d5	1	0	S	5.27	53.59	50			1.591	1.705	7.18	
Phenol	1	0	CC	5.28	49.61	50	20		1.787	1.773	0.78	
2-Chlorophenol	1	0		5.39	51.63	50			1.365	1.410	3.26	
N-Decane	1	0		5.44	46.83	50			2.258	2.115	6.34	
1,3-Dichlorobenzene	1	0		5.51	50.75	50			1.501	1.523	1.50	
1,4-Dichlorobenzene	1	0	CC	5.58	50.88	50	20		1.559	1.586	1.76	
1,2-Dichlorobenzene	1	0		5.71	51.28	50			1.436	1.473	2.56	
Benzyl alcohol	1	0		5.68	53.55	50			0.903	0.967	7.10	
bis(2-chloroisopropyl)ether	1	0		5.80	52.51	50			2.334	2.451	5.02	
2-Methylphenol	1	0		5.79	53.24	50			1.243	1.324	6.48	
Acetophenone	1	0		5.90	52.49	50			1.748	1.835	4.98	
Hexachloroethane	1	0		5.98	50.13	50			0.573	0.574	0.26	
N-Nitroso-di-n-propylamine	1	0	CP	5.90	53.73	50	0.05		0.913	0.981	7.46	
3&4-Methylphenol	1	0		5.91	53.71	50			1.301	1.398	7.42	
Naphthalene-d8	1	0	I	6.58	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.02	25.57	25			0.172	0.176	2.28	
Nitrobenzene	1	0		6.04	50.20	50			0.339	0.341	0.40	
Isophorone	1	0		6.23	51.66	50			0.636	0.657	3.32	
2-Nitrophenol	1	0	CC	6.29	51.23	50	20		0.181	0.185	2.46	
2,4-Dimethylphenol	1	0		6.32	50.31	50			0.338	0.340	0.62	
Benzoic Acid	1	0		6.41	48.38	50			0.165	0.140	3.24	
bis(2-Chloroethoxy)methane	1	0		6.40	50.49	50			0.389	0.393	0.98	
2,4-Dichlorophenol	1	0	CC	6.48	52.07	50	20		0.275	0.286	4.14	
1,2,4-Trichlorobenzene	1	0		6.54	50.36	50			0.310	0.312	0.72	
Naphthalene	1	0		6.59	50.46	50			1.012	1.022	0.92	
4-Chloroaniline	1	0		6.64	51.44	50			0.360	0.417	2.88	
Hexachlorobutadiene	1	0	CC	6.69	50.21	50	20		0.143	0.143	0.42	
Caprolactam	1	0		6.91	54.94	50			0.127	0.139	9.88	
4-Chloro-3-methylphenol	1	0	CC	7.00	53.09	50	20		0.292	0.310	6.18	
2-Methylnaphthalene	1	0		7.12	52.34	50			0.684	0.716	4.68	
Methylnaphthalenes	1	0		7.12	52.34	50	20			0.716	4.68	
1,1'-Biphenyl	1	0		7.48	51.92	50			1.037	1.077	3.84	
Acenaphthene-d10	1	0	I	7.96	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.25	49.16	50			0.497	0.488	1.68	
Hexachlorocyclopentadiene	1	0	CP	7.24	52.82	50	0.05		0.227	0.240	5.64	
2,4,6-Trichlorophenol	1	0	CC	7.34	50.00	50	20		0.352	0.352	0.00	
2,4,5-Trichlorophenol	1	0		7.37	50.13	50			0.377	0.378	0.26	
2-Fluorobiphenyl	1	0	S	7.40	24.34	25			1.301	1.267	2.64	
2-Chloronaphthalene	1	0		7.50	49.14	50			1.134	1.114	1.72	
1,4-Dimethylnaphthalene	1	0		7.78	50.02	50			1.295	1.296	0.04	
Dimethylnaphthalenes	1	0		7.78	50.02	50	20			1.296	0.04	
Diphenyl Ether	1	0		7.57	49.19	50			0.796	0.783	1.62	
2-Nitroaniline	1	0		7.58	51.97	50			0.441	0.458	3.94	
Acenaphthylene	1	0		7.85	50.15	50			1.953	1.959	0.30	
Dimethylphthalate	1	0		7.73	51.82	50			1.289	1.336	3.64	
2,6-Dinitrotoluene	1	0		7.78	55.28	50			0.270	0.298	10.56	
Acenaphthene	1	0	CC	8.00	50.38	50	20		1.204	1.213	0.76	
3-Nitroaniline	1	0		7.92	53.63	50			0.331	0.389	7.26	
2,4-Dinitrophenol	1	0	CP	8.01	58.08	50	0.05		0.128	0.144	16.16	
Dibenzofuran	1	0		8.15	50.78	50			1.621	1.646	1.56	
2,4-Dinitrotoluene	1	0		8.12	54.21	50			0.363	0.419	8.42	
4-Nitrophenol	1	0	CP	8.07	51.01	50	0.05		0.261	0.277	2.02	
2,3,4,6-Tetrachlorophenol	1	0		8.25	50.53	50			0.275	0.284	1.06	
Fluorene	1	0		8.46	51.78	50			1.310	1.357	3.56	
4-Chlorophenyl-phenylether	1	0		8.45	51.33	50			0.566	0.581	2.66	
Diethylphthalate	1	0		8.34	51.87	50			1.350	1.400	3.74	

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. **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:** 10M10400.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/9/2010 9:21:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
4-Nitroaniline	1	0		8.47	55.25	50			0.385	0.426	10.50	
Atrazine	1	0		9.09	52.28	50			0.349	0.365	4.56	
Phenanthrene-d10	1	0	I	9.39	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.50	59.47	50			0.111	0.130	18.94	
n-Nitrosodiphenylamine	1	0	CC	8.56	51.08	50	20		0.682	0.697	2.16	
2,4,6-Tribromophenol	1	0	S	8.69	52.05	50			0.078	0.081	4.10	
1,2-Diphenylhydrazine	1	0		8.61	50.70	50			0.826	0.838	1.40	
4-Bromophenyl-phenylether	1	0		8.93	50.91	50			0.186	0.190	1.82	
Hexachlorobenzene	1	0		8.99	50.90	50			0.177	0.180	1.80	
N-Octadecane	1	0		9.27	46.69	50			0.838	0.832	6.62	
Pentachlorophenol	1	0	CC	9.19	54.00	50	20		0.091	0.097	8.00	
Phenanthrene	1	0		9.41	50.52	50			1.197	1.209	1.04	
Anthracene	1	0		9.47	51.23	50			1.210	1.240	2.46	
Carbazole	1	0		9.64	52.31	50			1.163	1.216	4.62	
Di-n-butylphthalate	1	0		10.02	52.30	50			1.404	1.469	4.60	
Fluoranthene	1	0	CC	10.72	53.27	50	20		1.172	1.249	6.54	
Chrysene-d12	1	0	I	12.41	40.00	40				0.000	0.00	
Pyrene	1	0		10.99	52.47	50			1.650	1.731	4.94	
Benzidine	1	0		10.88	34.65	50			0.545	0.454	30.70	
Terphenyl-d14	1	0	S	11.18	26.11	25			1.028	1.074	4.44	
4,4'-DDE	1	0		11.11	53.09				0.291			
Endrin	1	0		11.43	51.01	50			0.087	0.089	2.02	
4,4'-DDD	1	0		11.51	52.91				0.517			
Butylbenzylphthalate	1	0		11.77	51.27	50			0.844	0.866	2.54	
Endrin aldehyde	1	0		11.43	52.53				0.042			
4,4'-DDT	1	0		11.86	55.34				0.450			
Endrin ketone	1	0		12.33	54.23				0.055			
3,3'-Dichlorobenzidine	1	0		12.38	52.68	50			0.409	0.455	5.36	
Benzo[a]anthracene	1	0		12.40	51.20	50			1.424	1.458	2.40	
Chrysene	1	0		12.44	51.84	50			1.355	1.405	3.68	
bis(2-Ethylhexyl)phthalate	1	0		12.47	52.02	50			1.177	1.225	4.04	
Perylene-d12	1	0	I	14.00	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.22	50.11	50	20		1.892	1.896	0.22	
Benzo[b]fluoranthene	1	0		13.61	50.93	50			1.231	1.254	1.86	
Benzo[k]fluoranthene	1	0		13.63	52.80	50			1.212	1.280	5.60	
Benzo[a]pyrene	1	0	CC	13.94	52.25	50	20		1.184	1.237	4.50	
Indeno[1,2,3-cd]pyrene	1	0		15.17	48.95	50			1.255	1.229	2.10	
Dibenzo[a,h]anthracene	1	0		15.19	48.50	50			1.032	1.001	3.00	
Benzo[g,h,i]perylene	1	0		15.51	48.26	50			1.070	1.033	3.48	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	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	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.684	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.295	0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	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
Data File: 10M10400.D
Acq On : 03/ 9/10 09:21

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 03/09/10 09:38
Qt Upd On: 02/22/10 07:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.567	152	69877	40.00 ng	-0.04
29) Naphthalene-d8	6.578	136	285620	40.00 ng	-0.04
47) Acenaphthene-d10	7.964	164	160832	40.00 ng	-0.05
73) Phenanthrene-d10	9.386	188	270599	40.00 ng	-0.05
87) Chrysene-d12	12.408	240	206555	40.00 ng	-0.05
102) Perylene-d12	13.997	264	219046	40.00 ng	-0.05
System Monitoring Compounds					
10) 2-Fluorophenol	4.364	112	109413	49.01 ng	-0.06
Spiked Amount 100.000			Recovery =	49.01%	
15) Phenol-d5	5.268	99	148906	53.59 ng	-0.05
Spiked Amount 100.000			Recovery =	53.59%	
30) Nitrobenzene-d5	6.022	128	31386	25.57 ng	-0.04
Spiked Amount 50.000			Recovery =	51.14%	
52) 2-Fluorobiphenyl	7.402	172	127355	24.34 ng	-0.04
Spiked Amount 50.000			Recovery =	48.68%	
76) 2,4,6-Tribromophenol	8.686	330	27393	52.05 ng	-0.05
Spiked Amount 100.000			Recovery =	52.05%	
90) Terphenyl-d14	11.178	244	138646	26.11 ng	-0.05
Spiked Amount 50.000			Recovery =	52.22%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
8) Pyridine	2.663	79	111492	47.29 ng	98
9) N-Nitrosodimethylamine	2.604	74	67329	50.66 ng	90
11) Benzaldehyde	5.182	77	51007	31.38 ng	69
12) Aniline	5.284	93	172823	55.67 ng	74
13) Pentachloroethane	5.321	117	54606	47.30 ng	85
14) bis(2-Chloroethyl)ether	5.348	93	111849	50.44 ng	88
16) Phenol	5.279	94	154844	49.61 ng	66
17) 2-Chlorophenol	5.385	128	123138	51.63 ng	86
18) N-Decane	5.439	57	184736	46.83 ng	96
19) 1,3-Dichlorobenzene	5.514	146	133039	50.75 ng	96
20) 1,4-Dichlorobenzene	5.578	146	138549	50.88 ng	95
21) 1,2-Dichlorobenzene	5.706	146	128625	51.28 ng	98
22) Benzyl alcohol	5.685	108	84456	53.55 ng	69
23) bis(2-chloroisopropyl)...	5.803	45	214096	52.51 ng	93
24) 2-Methylphenol	5.787	108	115629	53.24 ng	96
25) Acetophenone	5.899	105	160256	52.49 ng	63
26) Hexachloroethane	5.979	117	50145	50.13 ng	96
27) N-Nitroso-di-n-propyla...	5.904	70	85674	53.73 ng	86
28) 3&4-Methylphenol	5.915	108	122080	53.71 ng	98
31) Nitrobenzene	6.038	77	121610	50.20 ng	75
32) Isophorone	6.225	82	234502	51.66 ng	85
33) 2-Nitrophenol	6.289	139	66074	51.23 ng	83
34) 2,4-Dimethylphenol	6.321	107	121485	50.31 ng	93
35) Benzoic Acid	6.407	105	49889m	48.38 ng	
36) bis(2-Chloroethoxy)met...	6.396	93	140231	50.49 ng	96
37) 2,4-Dichlorophenol	6.477	162	102161	52.07 ng	86
38) 1,2,4-Trichlorobenzene	6.535	180	111563	50.36 ng	98
39) Naphthalene	6.594	128	364714	50.46 ng	100
40) 4-Chloroaniline	6.637	127	149019	51.44 ng	100
41) Hexachlorobutadiene	6.685	225	51156	50.21 ng	96
42) Caprolactam	6.910	113	49749	54.94 ng	66
43) 4-Chloro-3-methylphenol	7.001	107	110555	53.09 ng	80
44) 2-Methylnaphthalene	7.118	142	255480	52.34 ng	98
45) Methylnaphthalenes (To...	7.118	142	255480	52.34 ng	98
46) 1,1'-Biphenyl	7.482	154	384496	51.92 ng	94
48) 1,2,4,5-Tetrachloroben...	7.247	216	98155	49.16 ng	99
49) Hexachlorocyclopentadiene	7.236	237	48341	52.82 ng	96
50) 2,4,6-Trichlorophenol	7.338	196	70850	50.00 ng	98
51) 2,4,5-Trichlorophenol	7.370	196	75934	50.13 ng	99
53) 2-Chloronaphthalene	7.504	162	224018	49.14 ng	91
54) 1,4-Dimethylnaphthalene	7.776	156	260464	50.02 ng	90
55) Dimethylnaphthalenes (...	7.776	156	260464	50.02 ng	90
56) Diphenyl Ether	7.568	170	157466	49.19 ng	77
57) 2-Nitroaniline	7.578	65	92142	51.97 ng	69
58) Acenaphthylene	7.846	152	393832	50.15 ng	99
59) Dimethylphthalate	7.728	163	268491	51.82 ng	98
60) 2,6-Dinitrotoluene	7.776	165	59999	55.28 ng	71
61) Acenaphthene	7.996	153	243802	50.38 ng	97
62) 3-Nitroaniline	7.921	138	78255	53.63 ng	72
63) 2,4-Dinitrophenol	8.012	184	28980	58.08 ng	50
64) Dibenzofuran	8.145	168	330980	50.78 ng	87
65) 2,4-Dinitrotoluene	8.124	165	84240	54.21 ng	71

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 10M10400.D
Acq On : 03/ 9/10 09:21

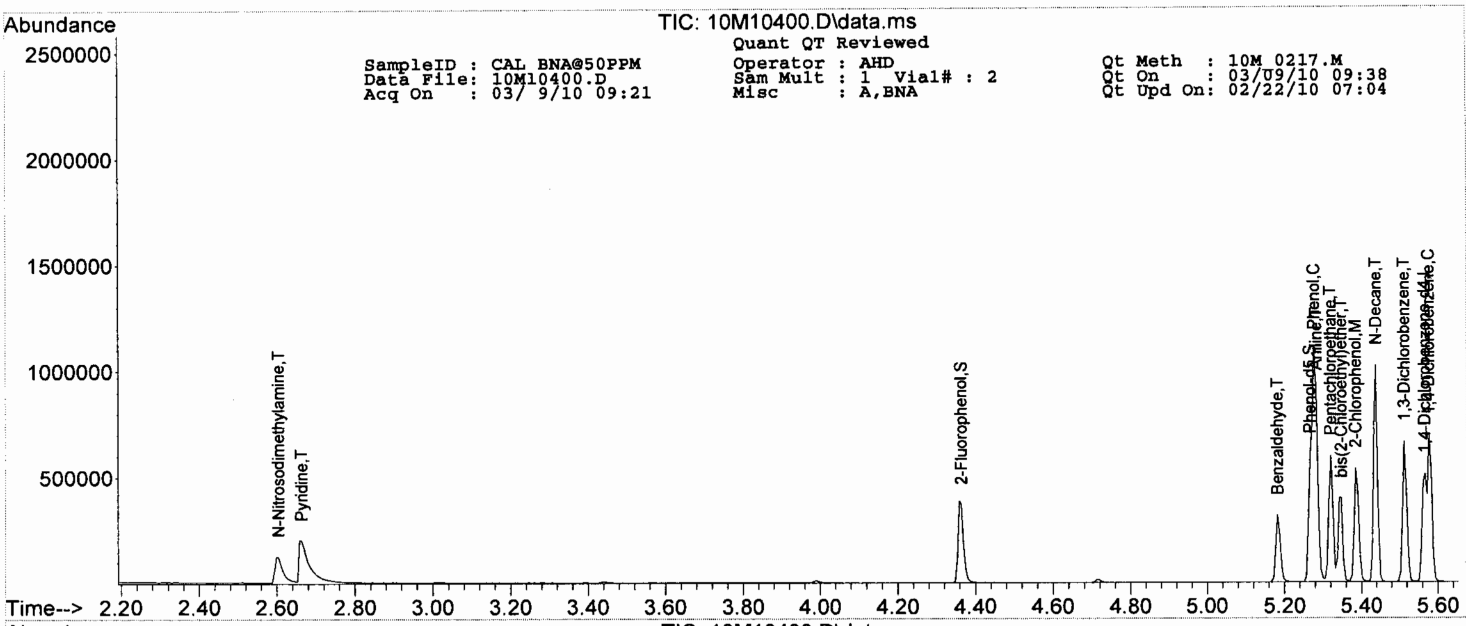
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 03/09/10 09:38
Qt Upd On: 02/22/10 07:04

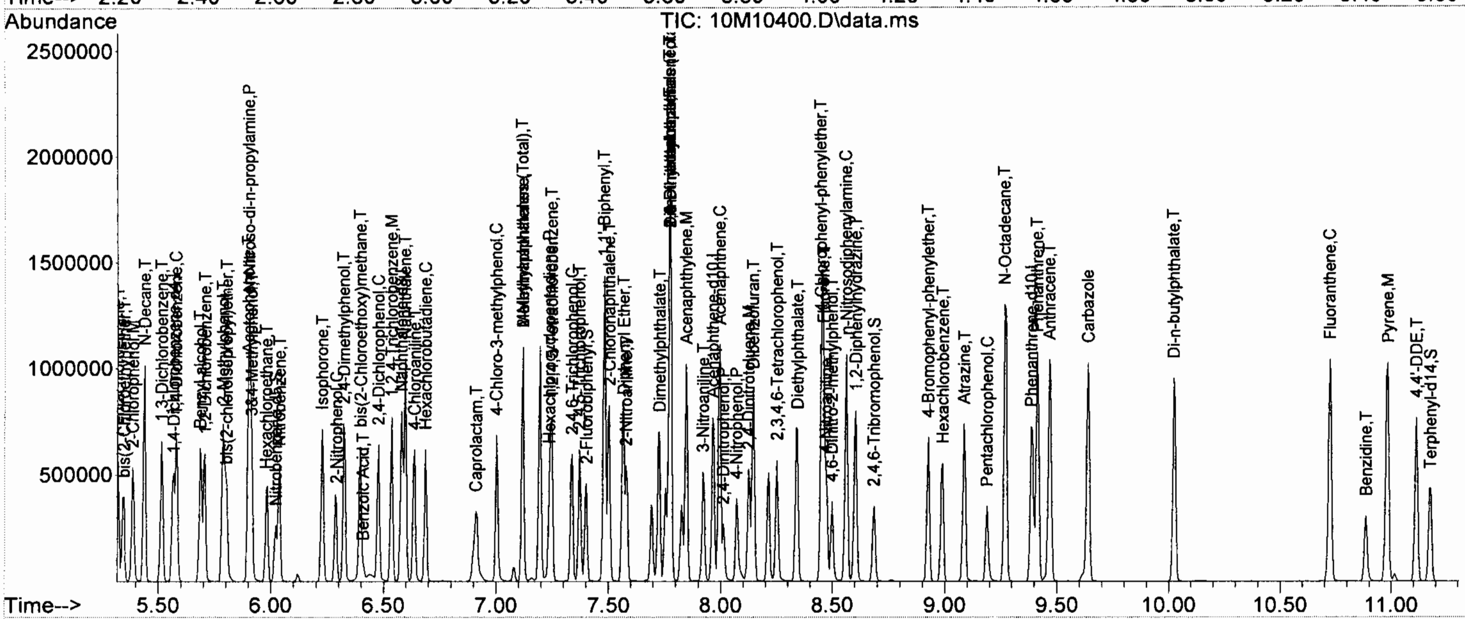
Data Path : G:\GcMsData\2010\GCMS_10\Data\03-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.070	65	55631	51.01 ng	98
67)	2,3,4,6-Tetrachlorophenol	8.252	232	57019	50.53 ng	91
68)	Fluorene	8.461	166	272764	51.78 ng	99
69)	4-Chlorophenyl-phenyle...	8.450	204	116735	51.33 ng	91
70)	Diethylphthalate	8.343	149	281554	51.87 ng	97
71)	4-Nitroaniline	8.472	138	85633	55.25 ng	71
72)	Atrazine	9.087	200	73424	52.28 ng	98
74)	4,6-Dinitro-2-methylph...	8.498	198	44141	59.47 ng	57
75)	n-Nitrosodiphenylamine	8.563	169	235763	51.08 ng	98
77)	1,2-Diphenylhydrazine	8.605	77	283294	50.70 ng	79
78)	4-Bromophenyl-phenylether	8.926	248	64224	50.91 ng	92
79)	Hexachlorobenzene	8.990	284	61047	50.90 ng	76
80)	N-Octadecane	9.269	57	281528	46.69 ng	97
81)	Pentachlorophenol	9.188	266	32760	54.00 ng	97
82)	Phenanthrene	9.413	178	409052	50.52 ng	99
83)	Anthracene	9.466	178	419452	51.23 ng	100
84)	Carbazole	9.638	167	411372	52.31 ng	99
85)	Di-n-butylphthalate	10.023	149	496727	52.30 ng	97
86)	Fluoranthene	10.723	202	422305	53.27 ng	97
88)	Pyrene	10.985	202	446937	52.47 ng	92
89)	Benzidine	10.884	184	117336	34.65 ng	88
91)	4,4'-DDE	11.114	246	79680	53.09 ng	94
92)	Endrin	11.429	81	22947	51.01 ng	73
93)	4,4'-DDD	11.510	235	141168	52.91 ng	89
94)	Butylbenzylphthalate	11.772	149	223516	51.27 ng	72
95)	Endrin aldehyde	11.429	67	11514	52.53 ng	65
96)	4,4'-DDT	11.863	235	128638	55.34 ng	94
97)	Endrin ketone	12.333	317	15442	54.23 ng	97
98)	3,3'-Dichlorobenzidine	12.376	252	117407	52.68 ng	99
99)	Benzo[a]anthracene	12.398	228	376459	51.20 ng	100
100)	Chrysene	12.440	228	362671	51.84 ng	99
101)	bis(2-Ethylhexyl)phtha...	12.467	149	316192	52.02 ng	96
103)	Di-n-octylphthalate	13.216	149	519195	50.11 ng	100
104)	Benzo[b]fluoranthene	13.606	252	343338	50.93 ng	96
105)	Benzo[k]fluoranthene	13.633	252	350416	52.80 ng	98
106)	Benzo[a]pyrene	13.943	252	338773	52.25 ng	96
107)	Indeno[1,2,3-cd]pyrene	15.173	276	336453	48.95 ng	92
108)	Dibenzo[a,h]anthracene	15.195	278	274112	48.50 ng	97
109)	Benzo[g,h,i]perylene	15.505	276	282904	48.26 ng	94

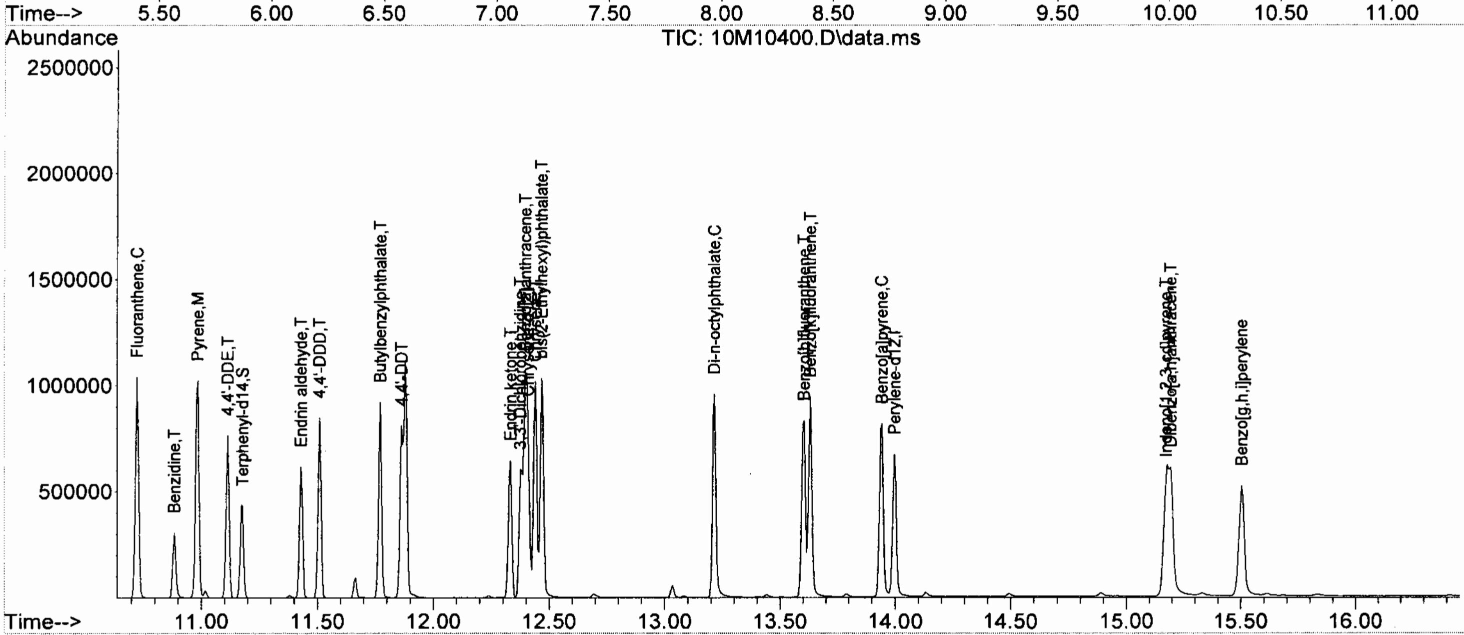
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Abundance
TIC: 10M10400.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M10400.D
Acq On : 03/ 9/10 09:21
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 03/09/10 09:38
Qt Upd On: 02/22/10 07:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->



Abundance
TIC: 10M10400.D\data.ms
N-Decane,T
1,3-Dichlorobenzene,T
Benzyl alcohol,T
N-Nitroso-di-n-propylamine,P
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
1,1'-Biphenyl,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,T
2,4-Dinitrotoluene,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
n-Nitrosodiphenylamine,C
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
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->



Abundance
TIC: 10M10400.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
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-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M23652.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/10/2010 8:56:00 A 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	5.14	40.00	40				0.000	0.00	
Pyridine	1	0		2.00	56.73	50			1.141	1.294	13.46	
N-Nitrosodimethylamine	1	0		1.97	61.16	50			0.667	0.816	22.32	
2-Fluorophenol	1	0	S	3.86	52.72	50			1.076	1.134	5.44	
Benzaldehyde	1	0		4.75	36.77	50			0.782	0.704	26.46	
Aniline	1	0		4.86	58.62	50			1.536	1.801	17.24	
Pentachloroethane	1	0		4.89	49.84	50			0.457	0.456	0.32	
bis(2-Chloroethyl)ether	1	0		4.93	53.16	50			1.107	1.177	6.32	
Phenol-d5	1	0	S	4.86	53.50	50			1.403	1.501	7.00	
Phenol	1	0	CC	4.87	54.03	50	20		1.527	1.651	8.06	
2-Chlorophenol	1	0		4.96	52.36	50			1.291	1.352	4.72	
N-Decane	1	0		5.02	59.63	50			0.880	1.049	19.26	
1,3-Dichlorobenzene	1	0		5.09	48.37	50			1.432	1.385	3.26	
1,4-Dichlorobenzene	1	0	CC	5.15	51.96	50	20		1.435	1.491	3.92	
1,2-Dichlorobenzene	1	0		5.28	50.71	50			1.377	1.397	1.42	
Benzyl alcohol	1	0		5.28	57.04	50			0.702	0.800	14.08	
bis(2-chloroisopropyl)ether	1	0		5.39	61.09	50			1.145	1.399	22.18	
2-Methylphenol	1	0		5.39	53.15	50			1.066	1.133	6.30	
Acetophenone	1	0		5.49	51.48	50			1.643	1.691	2.96	
Hexachloroethane	1	0		5.56	48.07	50			0.641	0.617	3.86	
N-Nitroso-di-n-propylamine	1	0	CP	5.50	52.32	50	0.05		0.948	0.992	4.64	
3&4-Methylphenol	1	0		5.52	52.64	50			1.119	1.178	5.28	
Naphthalene-d8	1	0	I	6.17	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.61	26.17	25			0.168	0.175	4.68	
Nitrobenzene	1	0		5.63	49.66	50			0.374	0.372	0.68	
Isophorone	1	0		5.82	48.40	50			0.657	0.636	3.20	
2-Nitrophenol	1	0	CC	5.88	50.19	50	20		0.186	0.186	0.38	
2,4-Dimethylphenol	1	0		5.93	47.41	50			0.357	0.339	5.18	
Benzoic Acid	1	0		6.04	48.63	50			0.192	0.177	2.74	
bis(2-Chloroethoxy)methane	1	0		6.00	49.32	50			0.363	0.358	1.36	
2,4-Dichlorophenol	1	0	CC	6.07	47.39	50	20		0.290	0.275	5.22	
1,2,4-Trichlorobenzene	1	0		6.13	46.83	50			0.336	0.315	6.34	
Naphthalene	1	0		6.19	50.07	50			1.018	1.020	0.14	
4-Chloroaniline	1	0		6.24	53.59	50			0.323	0.415	7.18	
Hexachlorobutadiene	1	0	CC	6.28	46.13	50	20		0.192	0.177	7.74	
Caprolactam	1	0		6.52	54.68	50			0.104	0.113	9.36	
4-Chloro-3-methylphenol	1	0	CC	6.61	50.83	50	20		0.299	0.304	1.66	
2-Methylnaphthalene	1	0		6.70	48.50	50			0.695	0.674	3.00	
Methylnaphthalenes	1	0		6.70	48.50	50	20			0.674	3.00	
1,1'-Biphenyl	1	0		7.05	46.27	50			0.863	0.799	7.46	
Acenaphthene-d10	1	0	I	7.51	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.83	45.44	50			0.599	0.545	9.12	
Hexachlorocyclopentadiene	1	0	CP	6.81	28.12	50	0.05		0.130	0.054	43.76	
2,4,6-Trichlorophenol	1	0	CC	6.92	48.67	50	20		0.350	0.341	2.66	
2,4,5-Trichlorophenol	1	0		6.95	46.70	50			0.372	0.347	6.60	
2-Fluorobiphenyl	1	0	S	6.97	24.34	25			1.368	1.332	2.64	
2-Chloronaphthalene	1	0		7.06	48.18	50			1.171	1.128	3.64	
1,4-Dimethylnaphthalene	1	0		7.33	49.22	50			0.907	0.851	1.56	
Dimethylnaphthalenes	1	0		7.33	49.22	50	20			0.851	1.56	
Diphenyl Ether	1	0		7.13	47.94	50			0.820	0.786	4.12	
2-Nitroaniline	1	0		7.15	52.66	50			0.344	0.363	5.32	
Acenaphthylene	1	0		7.39	48.72	50			1.884	1.836	2.56	
Dimethylphthalate	1	0		7.29	45.62	50			1.400	1.277	8.76	
2,6-Dinitrotoluene	1	0		7.35	50.40	50			0.304	0.306	0.80	
Acenaphthene	1	0	CC	7.53	50.34	50	20		1.188	1.196	0.68	
3-Nitroaniline	1	0		7.48	59.58	50			0.287	0.342	19.16	
2,4-Dinitrophenol	1	0	CP	7.58	45.64	50	0.05		0.148	0.130	8.72	
Dibenzofuran	1	0		7.68	47.75	50			1.610	1.538	4.50	
2,4-Dinitrotoluene	1	0		7.68	47.54	50			0.422	0.401	4.92	
4-Nitrophenol	1	0	CP	7.64	50.04	50	0.05		0.188	0.188	0.08	
2,3,4,6-Tetrachlorophenol	1	0		7.79	45.20	50			0.303	0.274	9.60	
Fluorene	1	0		7.98	47.90	50			1.323	1.267	4.20	
4-Chlorophenyl-phenylether	1	0		7.98	46.78	50			0.628	0.587	6.44	
Diethylphthalate	1	0		7.88	48.18	50			1.428	1.376	3.64	
4-Nitroaniline	1	0		8.01	50.74	50			0.335	0.340	1.48	
Atrazine	1	0		8.61	44.52	50			0.406	0.361	10.96	
Phenanthrene-d10	1	0	I	8.88	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.05	48.74	50			0.137	0.134	2.52	
n-Nitrosodiphenylamine	1	0	CC	8.09	50.00	50	20		0.688	0.688	0.00	
2,4,6-Tribromophenol	1	0	S	8.20	65.88	50			0.074	0.098	31.76	

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. **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:** 9M23652.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/10/2010 8:56:00 A 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		8.12	51.32	50			0.990	1.016	2.64	
4-Bromophenyl-phenylether	1	0		8.44	56.19	50			0.223	0.250	12.38	
Hexachlorobenzene	1	0		8.50	57.68	50			0.222	0.256	15.36	
N-Octadecane	1	0		8.79	60.43	50			0.356	0.431	20.86	
Pentachlorophenol	1	0	CC	8.70	52.41	50	20		0.087	0.091	4.82	
Phenanthrene	1	0		8.90	48.50	50			1.165	1.130	3.00	
Anthracene	1	0		8.96	49.04	50			1.196	1.173	1.92	
Carbazole	1	0		9.13	51.47	50			1.117	1.150	2.94	
Di-n-butylphthalate	1	0		9.53	49.12	50			1.504	1.477	1.76	
Fluoranthene	1	0	CC	10.20	47.90	50	20		1.268	1.215	4.20	
Chrysene-d12	1	0	I	11.88	40.00	40				0.000	0.00	
Pyrene	1	0		10.45	41.62	50			1.610	1.340	16.76	
Benzidine	1	0		10.37	37.87	50			0.449	0.432	24.26	
Terphenyl-d14	1	0	S	10.65	22.93	25			1.148	1.053	8.28	
p,p'-DDE	1	0		10.59	46.98				0.339			
Endrin	1	0		10.88	41.35	50			0.125	0.104	17.30	
p,p'-DDD	1	0		10.99	45.87				0.550			
Butylbenzylphthalate	1	0		11.26	45.49	50			0.786	0.715	9.02	
Endrin aldehyde	1	0		10.88	41.91				0.031			
p,p'-DDT	1	0		11.34	44.68				0.507			
Endrin ketone	1	0		11.79	58.35				0.052			
3,3'-Dichlorobenzidine	1	0		11.85	51.11	50			0.412	0.422	2.22	
Benzo[a]anthracene	1	0		11.87	44.07	50			1.453	1.281	11.86	
Chrysene	1	0		11.90	43.84	50			1.391	1.219	12.32	
bis(2-Ethylhexyl)phthalate	1	0		11.96	45.57	50			1.153	1.051	8.86	
Perylene-d12	1	0	I	13.47	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.71	43.10	50	20		1.765	1.522	13.80	
Benzo[b]fluoranthene	1	0		13.08	43.67	50			1.334	1.165	12.66	
Benzo[k]fluoranthene	1	0		13.10	46.82	50			1.249	1.170	6.36	
Benzo[a]pyrene	1	0	CC	13.41	44.99	50	20		1.245	1.120	10.02	
Indeno[1,2,3-cd]pyrene	1	0		14.52	50.87	50			1.255	1.277	1.74	
Dibenzo[a,h]anthracene	1	0		14.53	51.17	50			1.040	1.064	2.34	
Benzo[g,h,i]perylene	1	0		14.80	49.81	50			1.092	1.088	0.38	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.695	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	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.907	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	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	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. **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
Data File: 9M23652.D
Acq On : 03/10/10 08:56

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/10/10 09:13
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.139	152	31146	40.00 ng	-0.13
29) Naphthalene-d8	6.171	136	117927	40.00 ng	-0.12
47) Acenaphthene-d10	7.508	164	64718	40.00 ng	-0.14
73) Phenanthrene-d10	8.883	188	105434	40.00 ng	-0.16
87) Chrysene-d12	11.878	240	102774	40.00 ng	-0.18
102) Perylene-d12	13.467	264	119240	40.00 ng	-0.19
System Monitoring Compounds					
10) 2-Fluorophenol	3.855	112	44153	52.72 ng	-0.15
Spiked Amount 100.000			Recovery =	52.72%	
15) Phenol-d5	4.855	99	58428	53.50 ng	-0.12
Spiked Amount 100.000			Recovery =	53.50%	
30) Nitrobenzene-d5	5.615	128	12934	26.17 ng	-0.12
Spiked Amount 50.000			Recovery =	52.34%	
52) 2-Fluorobiphenyl	6.973	172	53883	24.34 ng	-0.12
Spiked Amount 50.000			Recovery =	48.68%	
76) 2,4,6-Tribromophenol	8.204	330	12912	65.88 ng	-0.15
Spiked Amount 100.000			Recovery =	65.88%	
90) Terphenyl-d14	10.653	244	67619	22.93 ng	-0.17
Spiked Amount 50.000			Recovery =	45.86%	
Target Compounds					Qvalue
8) Pyridine	2.004	79	50378	56.73 ng	71
9) N-Nitrosodimethylamine	1.967	74	31781	61.16 ng	86
11) Benzaldehyde	4.748	77	27402	36.77 ng	85
12) Aniline	4.855	93	70126	58.62 ng	17
13) Pentachloroethane	4.887	117	17749	49.84 ng	87
14) bis(2-Chloroethyl)ether	4.930	93	45839	53.16 ng	81
16) Phenol	4.866	94	64266	54.03 ng	93
17) 2-Chlorophenol	4.957	128	52626	52.36 ng	75
18) N-Decane	5.021	57	40847	59.63 ng	75
19) 1,3-Dichlorobenzene	5.091	146	53921	48.37 ng	97
20) 1,4-Dichlorobenzene	5.155	146	58046	51.96 ng	97
21) 1,2-Dichlorobenzene	5.283	146	54378	50.71 ng	94
22) Benzyl alcohol	5.278	108	31160	57.04 ng	82
23) bis(2-chloroisopropyl)...	5.390	45	54476	61.09 ng	63
24) 2-Methylphenol	5.390	108	44109	53.15 ng	93
25) Acetophenone	5.492	105	65847	51.48 ng	66
26) Hexachloroethane	5.556	117	24002	48.07 ng	98
27) N-Nitroso-di-n-propyla...	5.502	70	38630	52.32 ng	82
28) 3&4-Methylphenol	5.519	108	45861	52.64 ng	91
31) Nitrobenzene	5.631	77	54804	49.66 ng	82
32) Isophorone	5.823	82	93738	48.40 ng	90
33) 2-Nitrophenol	5.882	139	27462	50.19 ng	97
34) 2,4-Dimethylphenol	5.930	107	49932	47.41 ng	92
35) Benzoic Acid	6.037	105	26032m	48.63 ng	
36) bis(2-Chloroethoxy)met...	6.000	93	52798	49.32 ng	92
37) 2,4-Dichlorophenol	6.075	162	40474	47.39 ng	87
38) 1,2,4-Trichlorobenzene	6.128	180	46362	46.83 ng	99
39) Naphthalene	6.187	128	150308	50.07 ng	100
40) 4-Chloroaniline	6.235	127	61164	53.59 ng	98
41) Hexachlorobutadiene	6.278	225	26083	46.13 ng	96
42) Caprolactam	6.519	113	16694	54.68 ng	70
43) 4-Chloro-3-methylphenol	6.610	107	44744	50.83 ng	86
44) 2-Methylnaphthalene	6.701	142	99374	48.50 ng	99
45) Methylnaphthalenes (To...	6.701	142	99374	48.50 ng	99
46) 1,1'-Biphenyl	7.048	154	117712	46.27 ng	95
48) 1,2,4,5-Tetrachloroben...	6.829	216	44063	45.44 ng	99
49) Hexachlorocyclopentadiene	6.813	237	4329	28.12 ng	92
50) 2,4,6-Trichlorophenol	6.920	196	27548	48.67 ng	96
51) 2,4,5-Trichlorophenol	6.952	196	28093	46.70 ng	95
53) 2-Chloronaphthalene	7.064	162	91281	48.18 ng	98
54) 1,4-Dimethylnaphthalene	7.326	156	68861	49.22 ng	95
55) Dimethylnaphthalenes (...	7.326	156	68861	49.22 ng	95
56) Diphenyl Ether	7.128	170	63619	47.94 ng	89
57) 2-Nitroaniline	7.150	65	29335	52.66 ng	64
58) Acenaphthylene	7.391	152	148515	48.72 ng	97
59) Dimethylphthalate	7.294	163	103307	45.62 ng	98
60) 2,6-Dinitrotoluene	7.348	165	24782	50.40 ng	60
61) Acenaphthene	7.535	153	96793	50.34 ng	93
62) 3-Nitroaniline	7.481	138	27678	59.58 ng	79
63) 2,4-Dinitrophenol	7.583	184	10526	45.64 ng	78
64) Dibenzofuran	7.679	168	124414	47.75 ng	93
65) 2,4-Dinitrotoluene	7.685	165	32464	47.54 ng	84

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23652.D
Acq On : 03/10/10 08:56

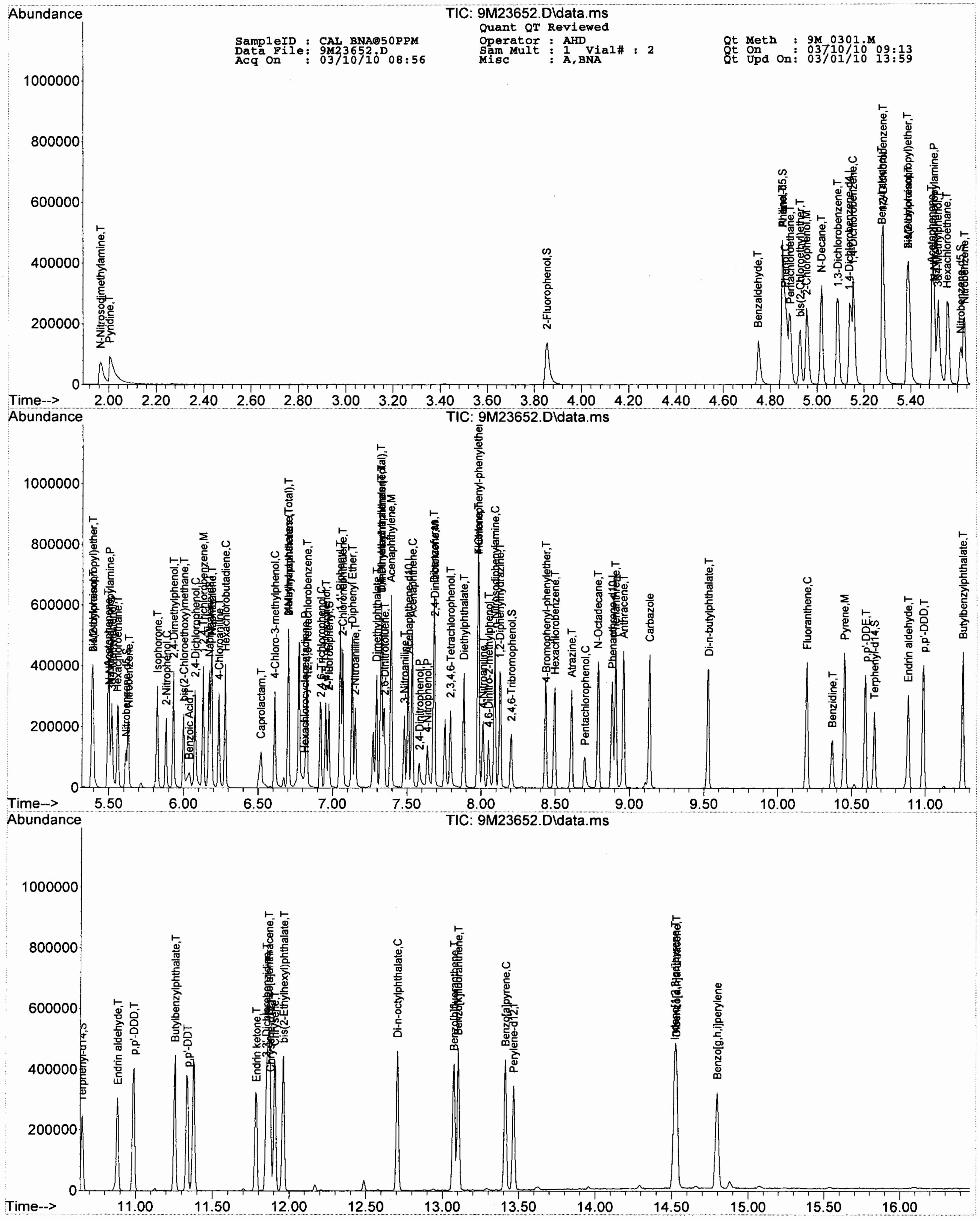
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/10/10 09:13
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 4-Nitrophenol	7.637	65	15213	50.04 ng	66
67) 2,3,4,6-Tetrachlorophenol	7.792	232	22135	45.20 ng	88
68) Fluorene	7.979	166	102490	47.90 ng	97
69) 4-Chlorophenyl-phenyle...	7.979	204	47504	46.78 ng	92
70) Diethylphthalate	7.883	149	111301	48.18 ng	99
71) 4-Nitroaniline	8.011	138	27496	50.74 ng	95
72) Atrazine	8.610	200	29244	44.52 ng	95
74) 4,6-Dinitro-2-methylph...	8.048	198	17627	48.74 ng	47
75) n-Nitrosodiphenylamine	8.091	169	90707	50.00 ng	100
77) 1,2-Diphenylhydrazine	8.123	77	133897	51.32 ng	98
78) 4-Bromophenyl-phenylether	8.439	248	32991	56.19 ng	85
79) Hexachlorobenzene	8.498	284	33756	57.68 ng	67
80) N-Octadecane	8.787	57	56783	60.43 ng	72
81) Pentachlorophenol	8.701	266	11966	52.41 ng	90
82) Phenanthrene	8.904	178	148875	48.50 ng	98
83) Anthracene	8.958	178	154605	49.04 ng	99
84) Carbazole	9.134	167	151558	51.47 ng	99
85) Di-n-butylphthalate	9.530	149	194696	49.12 ng	98
86) Fluoranthene	10.199	202	160149	47.90 ng	90
88) Pyrene	10.450	202	172180	41.62 ng	91
89) Benzidine	10.370	184	55520	37.87 ng	85
91) p,p'-DDE	10.594	246	40889	46.98 ng	94
92) Endrin	10.883	81	13324	41.35 ng	69
93) p,p'-DDD	10.990	235	64865	45.87 ng	93
94) Butylbenzylphthalate	11.258	149	91822	45.49 ng	79
95) Endrin aldehyde	10.883	67	3289	41.91 ng	77
96) p,p'-DDT	11.338	235	58172	44.68 ng	93
97) Endrin ketone	11.787	317	7820	58.35 ng	96
98) 3,3'-Dichlorobenzidine	11.851	252	54233	51.11 ng	94
99) Benzo[a]anthracene	11.867	228	164537	44.07 ng	96
100) Chrysene	11.905	228	156647	43.84 ng	99
101) bis(2-Ethylhexyl)phtha...	11.964	149	134976	45.57 ng	97
103) Di-n-octylphthalate	12.707	149	226820	43.10 ng	99
104) Benzo[b]fluoranthene	13.076	252	173698	43.67 ng	93
105) Benzo[k]fluoranthene	13.103	252	174365	46.82 ng	94
106) Benzo[a]pyrene	13.413	252	167009	44.99 ng	90
107) Indeno[1,2,3-cd]pyrene	14.520	276	190335	50.87 ng	96
108) Dibenzo[a,h]anthracene	14.531	278	158589	51.17 ng	86
109) Benzo[g,h,i]perylene	14.798	276	162156	49.81 ng	84

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


Abundance
TIC: 9M23652.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M23652.D
Acq On : 03/10/10 08:56
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/10/10 09:13
Qt Upd On: 03/01/10 13:59
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Hexachloroethane,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,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
Anthracene,T
Carbazole
Di-n-butylphthalate,T
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
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M10432.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/10/2010 9:00:00 A 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	5.56	40.00	40				0.000	0.00	
Pyridine	1	0		2.66	44.97	50			1.350	1.214	10.06	
N-Nitrosodimethylamine	1	0		2.60	49.39	50			0.761	0.752	1.22	
2-Fluorophenol	1	0	S	4.36	49.04	50			1.278	1.253	1.92	
Benzaldehyde	1	0		5.18	30.40	50			0.763	0.569	39.20	
Aniline	1	0		5.28	56.05	50			1.777	1.992	12.10	
Pentachloroethane	1	0		5.32	47.53	50			0.661	0.628	4.94	
bis(2-Chloroethyl)ether	1	0		5.34	49.61	50			1.269	1.259	0.78	
Phenol-d5	1	0	S	5.26	53.78	50			1.591	1.711	7.56	
Phenol	1	0	CC	5.27	50.19	50	20		1.787	1.794	0.38	
2-Chlorophenol	1	0		5.39	51.11	50			1.365	1.396	2.22	
N-Decane	1	0		5.43	46.59	50			2.258	2.104	6.82	
1,3-Dichlorobenzene	1	0		5.51	49.92	50			1.501	1.498	0.16	
1,4-Dichlorobenzene	1	0	CC	5.58	50.43	50	20		1.559	1.572	0.86	
1,2-Dichlorobenzene	1	0		5.70	51.26	50			1.436	1.472	2.52	
Benzyl alcohol	1	0		5.68	52.65	50			0.903	0.951	5.30	
bis(2-chloroisopropyl)ether	1	0		5.80	52.32	50			2.334	2.442	4.64	
2-Methylphenol	1	0		5.78	53.67	50			1.243	1.335	7.34	
Acetophenone	1	0		5.89	53.02	50			1.748	1.853	6.04	
Hexachloroethane	1	0		5.98	49.37	50			0.573	0.565	1.26	
N-Nitroso-di-n-propylamine	1	0	CP	5.90	54.43	50	0.05		0.913	0.994	8.86	
3&4-Methylphenol	1	0		5.91	53.50	50			1.301	1.392	7.00	
Naphthalene-d8	1	0	I	6.57	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.02	24.54	25			0.172	0.169	1.84	
Nitrobenzene	1	0		6.03	50.47	50			0.339	0.342	0.94	
Isophorone	1	0		6.22	51.69	50			0.636	0.657	3.38	
2-Nitrophenol	1	0	CC	6.28	51.19	50	20		0.181	0.185	2.38	
2,4-Dimethylphenol	1	0		6.32	51.46	50			0.338	0.348	2.92	
Benzoic Acid	1	0		6.39	35.91	50			0.165	0.098	28.18	
bis(2-Chloroethoxy)methane	1	0		6.39	50.64	50			0.389	0.394	1.28	
2,4-Dichlorophenol	1	0	CC	6.47	52.25	50	20		0.275	0.287	4.50	
1,2,4-Trichlorobenzene	1	0		6.53	51.42	50			0.310	0.319	2.84	
Naphthalene	1	0		6.59	51.40	50			1.012	1.041	2.80	
4-Chloroaniline	1	0		6.63	53.10	50			0.360	0.429	6.20	
Hexachlorobutadiene	1	0	CC	6.68	50.34	50	20		0.143	0.144	0.68	
Caprolactam	1	0		6.90	56.42	50			0.127	0.143	12.84	
4-Chloro-3-methylphenol	1	0	CC	7.00	51.82	50	20		0.292	0.302	3.64	
2-Methylnaphthalene	1	0		7.11	51.72	50			0.684	0.707	3.44	
Methylnaphthalenes	1	0		7.11	51.72	50	20			0.707	3.44	
1,1'-Biphenyl	1	0		7.48	52.69	50			1.037	1.093	5.38	
Acenaphthene-d10	1	0	I	7.96	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.24	49.52	50			0.497	0.492	0.96	
Hexachlorocyclopentadiene	1	0	CP	7.23	49.46	50	0.05		0.227	0.224	1.08	
2,4,6-Trichlorophenol	1	0	CC	7.33	49.52	50	20		0.352	0.349	0.96	
2,4,5-Trichlorophenol	1	0		7.36	49.66	50			0.377	0.374	0.68	
2-Fluorobiphenyl	1	0	S	7.40	24.85	25			1.301	1.294	0.60	
2-Chloronaphthalene	1	0		7.50	49.94	50			1.134	1.132	0.12	
1,4-Dimethylnaphthalene	1	0		7.77	51.01	50			1.295	1.321	2.02	
Dimethylnaphthalenes	1	0		7.77	51.01	50	20			1.321	2.02	
Diphenyl Ether	1	0		7.56	49.94	50			0.796	0.795	0.12	
2-Nitroaniline	1	0		7.57	51.47	50			0.441	0.454	2.94	
Acenaphthylene	1	0		7.84	51.39	50			1.953	2.007	2.78	
Dimethylphthalate	1	0		7.72	52.64	50			1.289	1.357	5.28	
2,6-Dinitrotoluene	1	0		7.77	55.71	50			0.270	0.301	11.42	
Acenaphthene	1	0	CC	7.98	50.28	50	20		1.204	1.210	0.56	
3-Nitroaniline	1	0		7.92	52.82	50			0.331	0.384	5.64	
2,4-Dinitrophenol	1	0	CP	8.01	56.10	50	0.05		0.128	0.138	12.20	
Dibenzofuran	1	0		8.14	51.41	50			1.621	1.667	2.82	
2,4-Dinitrotoluene	1	0		8.12	55.17	50			0.363	0.426	10.34	
4-Nitrophenol	1	0	CP	8.06	50.22	50	0.05		0.261	0.272	0.44	
2,3,4,6-Tetrachlorophenol	1	0		8.25	51.19	50			0.275	0.287	2.38	
Fluorene	1	0		8.45	52.78	50			1.310	1.383	5.56	
4-Chlorophenyl-phenylether	1	0		8.44	52.81	50			0.566	0.597	5.62	
Diethylphthalate	1	0		8.33	53.00	50			1.350	1.431	6.00	
4-Nitroaniline	1	0		8.46	56.40	50			0.385	0.435	12.80	
Atrazine	1	0		9.08	54.14	50			0.349	0.378	8.28	
Phenanthrene-d10	1	0	I	9.38	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.49	56.95	50			0.111	0.124	13.90	
n-Nitrosodiphenylamine	1	0	CC	8.56	49.80	50	20		0.682	0.680	0.40	
2,4,6-Tribromophenol	1	0	S	8.68	48.84	50			0.078	0.076	2.32	

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. **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:** 10M10432.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/10/2010 9:00:00 A 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		8.59	48.71	50			0.826	0.805	2.58	
4-Bromophenyl-phenylether	1	0		8.92	49.42	50			0.186	0.184	1.16	
Hexachlorobenzene	1	0		8.98	50.27	50			0.177	0.178	0.54	
N-Octadecane	1	0		9.26	46.55	50			0.838	0.830	6.90	
Pentachlorophenol	1	0	CC	9.18	50.73	50	20		0.091	0.090	1.46	
Phenanthrene	1	0		9.41	51.29	50			1.197	1.228	2.58	
Anthracene	1	0		9.46	51.56	50			1.210	1.248	3.12	
Carbazole	1	0		9.63	52.55	50			1.163	1.222	5.10	
Di-n-butylphthalate	1	0		10.02	51.06	50			1.404	1.434	2.12	
Fluoranthene	1	0	CC	10.72	51.87	50	20		1.172	1.216	3.74	
Chrysene-d12	1	0	I	12.40	40.00	40				0.000	0.00	
Pyrene	1	0		10.97	51.70	50			1.650	1.706	3.40	
Benzidine	1	0		10.88	35.65	50			0.545	0.466	28.70	
Terphenyl-d14	1	0	S	11.17	25.64	25			1.028	1.055	2.56	
4,4'-DDE	1	0		11.11	50.79				0.291			
Endrin	1	0		11.42	49.50	50			0.087	0.086	1.00	
4,4'-DDD	1	0		11.50	52.46				0.517			
Butylbenzylphthalate	1	0		11.76	50.73	50			0.844	0.856	1.46	
Endrin aldehyde	1	0		11.42	48.90				0.042			
4,4'-DDT	1	0		11.86	53.68				0.450			
Endrin ketone	1	0		12.33	54.42				0.055			
3,3'-Dichlorobenzidine	1	0		12.37	49.90	50			0.409	0.432	0.20	
Benzo[a]anthracene	1	0		12.39	50.37	50			1.424	1.434	0.74	
Chrysene	1	0		12.43	52.53	50			1.355	1.423	5.06	
bis(2-Ethylhexyl)phthalate	1	0		12.46	51.04	50			1.177	1.202	2.08	
Perylene-d12	1	0	I	13.99	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.20	48.24	50	20		1.892	1.826	3.52	
Benzo[b]fluoranthene	1	0		13.60	49.11	50			1.231	1.209	1.78	
Benzo[k]fluoranthene	1	0		13.62	54.52	50			1.212	1.322	9.04	
Benzo[a]pyrene	1	0	CC	13.93	51.48	50	20		1.184	1.219	2.96	
Indeno[1,2,3-cd]pyrene	1	0		15.16	52.02	50			1.255	1.306	4.04	
Dibenzo[a,h]anthracene	1	0		15.18	52.63	50			1.032	1.086	5.26	
Benzo[g,h,i]perylene	1	0		15.49	52.90	50			1.070	1.133	5.80	
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			0.684	0.000	100.00	
Toluene Diisocyanate	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	
2,4 Diaminotoluene	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/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. **625 limits are compared against the %DIFF.**

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

SampleID : CAL BNA@50PPM
Data File: 10M10432.D
Acq On : 03/10/10 09:00

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 03/10/10 09:14
Qt Upd On: 02/22/10 07:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	42983	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	176552	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	99602	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	176832	40.00 ng	-0.06
87) Chrysene-d12	12.397	240	140209	40.00 ng	-0.06
102) Perylene-d12	13.986	264	152748	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.358	112	67342	49.04 ng	-0.06
Spiked Amount 100.000			Recovery =	49.04%	
15) Phenol-d5	5.262	99	91917	53.78 ng	-0.06
Spiked Amount 100.000			Recovery =	53.78%	
30) Nitrobenzene-d5	6.016	128	18620	24.54 ng	-0.04
Spiked Amount 50.000			Recovery =	49.08%	
52) 2-Fluorobiphenyl	7.396	172	80534	24.85 ng	-0.04
Spiked Amount 50.000			Recovery =	49.70%	
76) 2,4,6-Tribromophenol	8.680	330	16796	48.84 ng	-0.05
Spiked Amount 100.000			Recovery =	48.84%	
90) Terphenyl-d14	11.167	244	92437	25.64 ng	-0.06
Spiked Amount 50.000			Recovery =	51.28%	
Target Compounds					Qvalue
8) Pyridine	2.663	79	65212	44.97 ng	97
9) N-Nitrosodimethylamine	2.599	74	40380	49.39 ng	94
11) Benzaldehyde	5.182	77	30560	30.40 ng	64
12) Aniline	5.278	93	107032	56.05 ng	74
13) Pentachloroethane	5.316	117	33752	47.53 ng	83
14) bis(2-Chloroethyl)ether	5.342	93	67665	49.61 ng	89
16) Phenol	5.273	94	96366	50.19 ng	73
17) 2-Chlorophenol	5.385	128	74982	51.11 ng	82
18) N-Decane	5.433	57	113057	46.59 ng	97
19) 1,3-Dichlorobenzene	5.514	146	80509	49.92 ng	96
20) 1,4-Dichlorobenzene	5.578	146	84467	50.43 ng	97
21) 1,2-Dichlorobenzene	5.701	146	79088	51.26 ng	97
22) Benzyl alcohol	5.685	108	51076	52.65 ng	64
23) bis(2-chloroisopropyl)...	5.797	45	131220	52.32 ng	93
24) 2-Methylphenol	5.781	108	71702	53.67 ng	94
25) Acetophenone	5.893	105	99567	53.02 ng	63
26) Hexachloroethane	5.979	117	30378	49.37 ng	78
27) N-Nitroso-di-n-propyla...	5.899	70	53386	54.43 ng	85
28) 3&4-Methylphenol	5.909	108	74797	53.50 ng	97
31) Nitrobenzene	6.032	77	75580	50.47 ng	78
32) Isophorone	6.220	82	145027	51.69 ng	82
33) 2-Nitrophenol	6.284	139	40815	51.19 ng	84
34) 2,4-Dimethylphenol	6.316	107	76823	51.46 ng	93
35) Benzoic Acid	6.391	105	21562m	35.91 ng	
36) bis(2-Chloroethoxy)met...	6.391	93	86938	50.64 ng	95
37) 2,4-Dichlorophenol	6.471	162	63371	52.25 ng	87
38) 1,2,4-Trichlorobenzene	6.530	180	70414	51.42 ng	98
39) Naphthalene	6.589	128	229640	51.40 ng	100
40) 4-Chloroaniline	6.631	127	94726	53.10 ng	99
41) Hexachlorobutadiene	6.680	225	31705	50.34 ng	97
42) Caprolactam	6.899	113	31576	56.42 ng	65
43) 4-Chloro-3-methylphenol	6.995	107	66702	51.82 ng	75
44) 2-Methylnaphthalene	7.113	142	156059	51.72 ng	98
45) Methylnaphthalenes (To...	7.113	142	156059	51.72 ng	98
46) 1,1'-Biphenyl	7.477	154	241197	52.69 ng	94
48) 1,2,4,5-Tetrachloroben...	7.241	216	61237	49.52 ng	98
49) Hexachlorocyclopentadiene	7.231	237	27934	49.46 ng	99
50) 2,4,6-Trichlorophenol	7.332	196	43456	49.52 ng	100
51) 2,4,5-Trichlorophenol	7.364	196	46583	49.66 ng	98
53) 2-Chloronaphthalene	7.498	162	140991	49.94 ng	92
54) 1,4-Dimethylnaphthalene	7.765	156	164506	51.01 ng	91
55) Dimethylnaphthalenes (...	7.765	156	164506	51.01 ng	91
56) Diphenyl Ether	7.557	170	99020	49.94 ng	83
57) 2-Nitroaniline	7.573	65	56522	51.47 ng	63
58) Acenaphthylene	7.840	152	249932	51.39 ng	99
59) Dimethylphthalate	7.717	163	168902	52.64 ng	98
60) 2,6-Dinitrotoluene	7.771	165	37445	55.71 ng	66
61) Acenaphthene	7.985	153	150703	50.28 ng	97
62) 3-Nitroaniline	7.915	138	47772	52.82 ng	71
63) 2,4-Dinitrophenol	8.006	184	17241	56.10 ng	43
64) Dibenzofuran	8.140	168	207538	51.41 ng	87
65) 2,4-Dinitrotoluene	8.118	165	53096	55.17 ng	65

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 10M10432.D
Acq On : 03/10/10 09:00

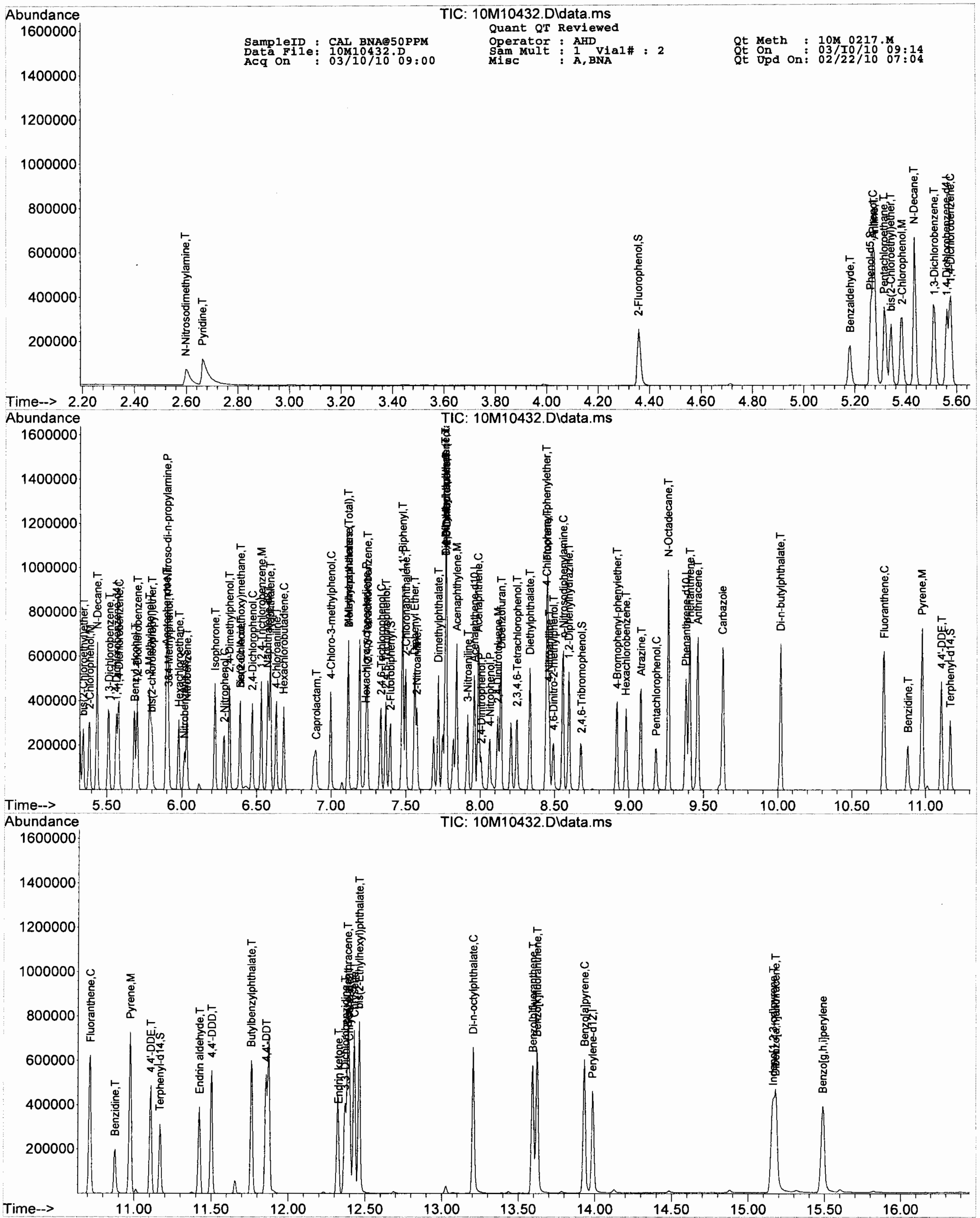
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 10M_0217.M
Qt On : 03/10/10 09:14
Qt Upd On: 02/22/10 07:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	8.065	65	33909	50.22 ng	98
67)	2,3,4,6-Tetrachlorophenol	8.247	232	35772	51.19 ng	88
68)	Fluorene	8.450	166	172190	52.78 ng	97
69)	4-Chlorophenyl-phenyle...	8.445	204	74376	52.81 ng	88
70)	Diethylphthalate	8.332	149	178153	53.00 ng	97
71)	4-Nitroaniline	8.461	138	54136	56.40 ng	72
72)	Atrazine	9.081	200	47093	54.14 ng	98
74)	4,6-Dinitro-2-methylph...	8.493	198	27503	56.95 ng	67
75)	n-Nitrosodiphenylamine	8.557	169	150213	49.80 ng	98
77)	1,2-Diphenylhydrazine	8.594	77	177877	48.71 ng	85
78)	4-Bromophenyl-phenylether	8.921	248	40739	49.42 ng	89
79)	Hexachlorobenzene	8.980	284	39404	50.27 ng	84
80)	N-Octadecane	9.263	57	183428	46.55 ng	96
81)	Pentachlorophenol	9.183	266	19997	50.73 ng	97
82)	Phenanthrene	9.407	178	271428	51.29 ng	99
83)	Anthracene	9.461	178	275882	51.56 ng	100
84)	Carbazole	9.627	167	270053	52.55 ng	98
85)	Di-n-butylphthalate	10.017	149	316916	51.06 ng	97
86)	Fluoranthene	10.718	202	268713	51.87 ng	95
88)	Pyrene	10.975	202	298944	51.70 ng	96
89)	Benzidine	10.878	184	81603	35.65 ng	85
91)	4,4'-DDE	11.108	246	51742	50.79 ng	93
92)	Endrin	11.424	81	15116	49.50 ng	72
93)	4,4'-DDD	11.504	235	95000	52.46 ng	89
94)	Butylbenzylphthalate	11.761	149	150103	50.73 ng	75
95)	Endrin aldehyde	11.424	67	7275	48.90 ng	66
96)	4,4'-DDT	11.857	235	84700	53.68 ng	94
97)	Endrin ketone	12.328	317	10519	54.42 ng	95
98)	3,3'-Dichlorobenzidine	12.371	252	75772	49.90 ng	96
99)	Benzo[a]anthracene	12.387	228	251407	50.37 ng	99
100)	Chrysene	12.429	228	249449	52.53 ng	98
101)	bis(2-Ethylhexyl)phtha...	12.461	149	210584	51.04 ng	96
103)	Di-n-octylphthalate	13.205	149	348557	48.24 ng	100
104)	Benzo[b]fluoranthene	13.595	252	230894	49.11 ng	98
105)	Benzo[k]fluoranthene	13.622	252	252340	54.52 ng	99
106)	Benzo[a]pyrene	13.932	252	232755	51.48 ng	98
107)	Indeno[1,2,3-cd]pyrene	15.163	276	249370	52.02 ng	92
108)	Dibenzo[a,h]anthracene	15.179	278	207422	52.63 ng	97
109)	Benzo[g,h,i]perylene	15.489	276	216253	52.90 ng	94

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


TIC: 10M10432.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M10432.D
Acq On : 03/10/10 09:00
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 09:14
Qt Upd On: 02/22/10 07:04
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Endrin aldehyde,T
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M23678.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/11/2010 9:30:00 A 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	5.10	40.00	40				0.000	0.00	
Pyridine	1	0		1.95	55.24	50			1.141	1.260	10.48	
N-Nitrosodimethylamine	1	0		1.91	60.53	50			0.667	0.808	21.06	
2-Fluorophenol	1	0	S	3.81	55.39	50			1.076	1.191	10.78	
Benzaldehyde	1	0		4.71	37.62	50			0.782	0.716	24.76	
Aniline	1	0		4.82	62.61	50			1.536	1.924	25.22	
Pentachloroethane	1	0		4.85	49.18	50			0.457	0.450	1.64	
bis(2-Chloroethyl)ether	1	0		4.90	55.68	50			1.107	1.233	11.36	
Phenol-d5	1	0	S	4.82	57.17	50			1.403	1.604	14.34	
Phenol	1	0	CC	4.83	57.21	50	20		1.527	1.748	14.42	
2-Chlorophenol	1	0		4.92	54.24	50			1.291	1.400	8.48	
N-Decane	1	0		4.99	58.72	50			0.880	1.033	17.44	
1,3-Dichlorobenzene	1	0		5.05	49.57	50			1.432	1.419	0.86	
1,4-Dichlorobenzene	1	0	CC	5.12	50.24	50	20		1.435	1.442	0.48	
1,2-Dichlorobenzene	1	0		5.25	49.52	50			1.377	1.364	0.96	
Benzyl alcohol	1	0		5.25	58.27	50			0.702	0.818	16.54	
bis(2-chloroisopropyl)ether	1	0		5.36	62.20	50			1.145	1.425	24.40	
2-Methylphenol	1	0		5.36	54.91	50			1.066	1.170	9.82	
Acetophenone	1	0		5.46	54.21	50			1.643	1.781	8.42	
Hexachloroethane	1	0		5.52	49.65	50			0.641	0.637	0.70	
N-Nitroso-di-n-propylamine	1	0	CP	5.47	54.49	50	0.05		0.948	1.033	8.98	
3&4-Methylphenol	1	0		5.49	58.39	50			1.119	1.307	16.78	
Naphthalene-d8	1	0	I	6.14	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.58	24.56	25			0.168	0.165	1.76	
Nitrobenzene	1	0		5.60	49.35	50			0.374	0.369	1.30	
Isophorone	1	0		5.79	50.15	50			0.657	0.659	0.30	
2-Nitrophenol	1	0	CC	5.85	50.33	50	20		0.186	0.187	0.66	
2,4-Dimethylphenol	1	0		5.90	50.97	50			0.357	0.364	1.94	
Benzoic Acid	1	0		6.01	54.01	50			0.192	0.199	8.02	
bis(2-Chloroethoxy)methane	1	0		5.97	52.38	50			0.363	0.380	4.76	
2,4-Dichlorophenol	1	0	CC	6.04	47.74	50	20		0.290	0.277	4.52	
1,2,4-Trichlorobenzene	1	0		6.10	46.80	50			0.336	0.314	6.40	
Naphthalene	1	0		6.15	49.46	50			1.018	1.007	1.08	
4-Chloroaniline	1	0		6.20	53.19	50			0.323	0.412	6.38	
Hexachlorobutadiene	1	0	CC	6.24	44.56	50	20		0.192	0.171	10.88	
Caprolactam	1	0		6.50	60.19	50			0.104	0.125	20.38	
4-Chloro-3-methylphenol	1	0	CC	6.58	49.77	50	20		0.299	0.297	0.46	
2-Methylnaphthalene	1	0		6.67	48.21	50			0.695	0.670	3.58	
Methylnaphthalenes	1	0		6.67	48.21	50	20			0.670	3.58	
1,1'-Biphenyl	1	0		7.02	47.78	50			0.863	0.825	4.44	
Acenaphthene-d10	1	0	I	7.48	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.80	46.12	50			0.599	0.553	7.76	
Hexachlorocyclopentadiene	1	0	CP	6.79	34.71	50	0.05		0.130	0.069	30.58	
2,4,6-Trichlorophenol	1	0	CC	6.89	47.09	50	20		0.350	0.330	5.82	
2,4,5-Trichlorophenol	1	0		6.93	48.90	50			0.372	0.364	2.20	
2-Fluorobiphenyl	1	0	S	6.94	22.70	25			1.368	1.242	9.20	
2-Chloronaphthalene	1	0		7.04	47.89	50			1.171	1.122	4.22	
1,4-Dimethylnaphthalene	1	0		7.30	48.69	50			0.907	0.842	2.62	
Dimethylnaphthalenes	1	0		7.30	48.69	50	20			0.842	2.62	
Diphenyl Ether	1	0		7.11	46.30	50			0.820	0.759	7.40	
2-Nitroaniline	1	0		7.13	52.51	50			0.344	0.362	5.02	
Acenaphthylene	1	0		7.36	48.40	50			1.884	1.824	3.20	
Dimethylphthalate	1	0		7.27	46.55	50			1.400	1.303	6.90	
2,6-Dinitrotoluene	1	0		7.32	48.17	50			0.304	0.293	3.66	
Acenaphthene	1	0	CC	7.51	48.10	50	20		1.188	1.143	3.80	
3-Nitroaniline	1	0		7.45	57.83	50			0.287	0.332	15.66	
2,4-Dinitrophenol	1	0	CP	7.55	50.73	50	0.05		0.148	0.146	1.46	
Dibenzofuran	1	0		7.65	47.45	50			1.610	1.528	5.10	
2,4-Dinitrotoluene	1	0		7.66	48.20	50			0.422	0.407	3.60	
4-Nitrophenol	1	0	CP	7.61	53.78	50	0.05		0.188	0.202	7.56	
2,3,4,6-Tetrachlorophenol	1	0		7.76	49.28	50			0.303	0.298	1.44	
Fluorene	1	0		7.95	48.61	50			1.323	1.286	2.78	
4-Chlorophenyl-phenylether	1	0		7.95	46.93	50			0.628	0.589	6.14	
Diethylphthalate	1	0		7.85	48.95	50			1.428	1.398	2.10	
4-Nitroaniline	1	0		7.98	51.91	50			0.335	0.348	3.82	
Atrazine	1	0		8.58	46.74	50			0.406	0.379	6.52	
Phenanthrene-d10	1	0	I	8.85	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.02	48.01	50			0.137	0.132	3.98	
n-Nitrosodiphenylamine	1	0	CC	8.06	50.49	50	20		0.688	0.695	0.98	
2,4,6-Tribromophenol	1	0	S	8.17	70.16	50			0.074	0.104	40.32	

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:** 9M23678.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/11/2010 9:30:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Diphenvlhvdrazine	1	0		8.09	49.24	50			0.990	0.975	1.52	
4-Bromophenvl-phenvlether	1	0		8.40	51.43	50			0.223	0.229	2.86	
Hexachlorobenzene	1	0		8.46	56.47	50			0.222	0.251	12.94	
N-Octadecane	1	0		8.76	58.53	50			0.356	0.417	17.06	
Pentachlorophenol	1	0	CC	8.67	55.06	50	20		0.087	0.096	10.12	
Phenanthrene	1	0		8.87	48.73	50			1.165	1.135	2.54	
Anthracene	1	0		8.92	48.55	50			1.196	1.161	2.90	
Carbazole	1	0		9.10	51.29	50			1.117	1.146	2.58	
Di-n-butvlphthalate	1	0		9.50	49.63	50			1.504	1.492	0.74	
Fluoranthene	1	0	CC	10.16	47.64	50	20		1.268	1.209	4.72	
Chrvsene-d12	1	0	I	11.84	40.00	40				0.000	0.00	
Pvrene	1	0		10.41	42.04	50			1.610	1.354	15.92	
Benzidine	1	0		10.33	34.11	50			0.449	0.398	31.78	
Terphenvl-d14	1	0	S	10.61	23.03	25			1.148	1.057	7.88	
p.p'-DDE	1	0		10.56	46.59				0.339			
Endrin	1	0		10.84	41.55	50			0.125	0.104	16.90	
p.p'-DDD	1	0		10.95	44.08				0.550			
Butvlbenzvlphthalate	1	0		11.22	46.29	50			0.786	0.727	7.42	
Endrin aldehvde	1	0		10.84	44.15				0.031			
p.p'-DDT	1	0		11.30	44.33				0.507			
Endrin ketone	1	0		11.74	60.58				0.052			
3.3'-Dichlorobenzidine	1	0		11.81	53.51	50			0.412	0.440	7.02	
Benzo[a]anthracene	1	0		11.82	44.23	50			1.453	1.286	11.54	
Chrvsene	1	0		11.87	44.29	50			1.391	1.232	11.42	
bis(2-Ethvlhexvl)phthalate	1	0		11.92	44.37	50			1.153	1.023	11.26	
Pervlene-d12	1	0	I	13.43	40.00	40				0.000	0.00	
Di-n-octvlphthalate	1	0	CC	12.67	42.34	50	20		1.765	1.495	15.32	
Benzo[b]fluoranthene	1	0		13.04	44.63	50			1.334	1.191	10.74	
Benzo[k]fluoranthene	1	0		13.06	46.35	50			1.249	1.158	7.30	
Benzo[a]pvrene	1	0	CC	13.37	44.57	50	20		1.245	1.110	10.86	
Indeno[1.2.3-cd]pvrene	1	0		14.47	50.06	50			1.255	1.257	0.12	
Dibenzo[a.h]anthracene	1	0		14.49	50.98	50			1.040	1.060	1.96	
Benzo[g.h.i]pervlene	1	0		14.75	48.25	50			1.092	1.054	3.50	
Toluene Diisocvanate	1	100		0.00	0.00	50				0.000	100.00	
Methvlnaphthalenes (Total)	1	100		0.00	0.00	50			0.695	0.000	100.00	
Methoxvchlor	1	100		0.00	0.00	10				0.000	100.00	
2.2'-oxvbis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Dimethvlnaphthalenes (Total)	1	100		0.00	0.00	50			0.907	0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
4-Methvlphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihvdrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	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**

SampleID : CAL BNA@50PPM
Data File: 9M23678.D
Acq On : 03/11/10 09:30

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/11/10 09:47
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.105	152	33148	40.00 ng	-0.16
29) Naphthalene-d8	6.137	136	132678	40.00 ng	-0.16
47) Acenaphthene-d10	7.480	164	74482	40.00 ng	-0.17
73) Phenanthrene-d10	8.849	188	125177	40.00 ng	-0.19
87) Chrysene-d12	11.839	240	122320	40.00 ng	-0.22
102) Perylene-d12	13.427	264	142800	40.00 ng	-0.23
System Monitoring Compounds					
10) 2-Fluorophenol	3.805	112	49366	55.39 ng	-0.20
Spiked Amount 100.000			Recovery =	55.39%	
15) Phenol-d5	4.821	99	66452	57.17 ng	-0.16
Spiked Amount 100.000			Recovery =	57.17%	
30) Nitrobenzene-d5	5.581	128	13659	24.56 ng	-0.16
Spiked Amount 50.000			Recovery =	49.12%	
52) 2-Fluorobiphenyl	6.945	172	57834	22.70 ng	-0.15
Spiked Amount 50.000			Recovery =	45.40%	
76) 2,4,6-Tribromophenol	8.170	330	16325	70.16 ng	-0.19
Spiked Amount 100.000			Recovery =	70.16%	
90) Terphenyl-d14	10.614	244	80833	23.03 ng	-0.21
Spiked Amount 50.000			Recovery =	46.06%	
Target Compounds					Qvalue
8) Pyridine	1.949	79	52211	55.24 ng	65
9) N-Nitrosodimethylamine	1.912	74	33473	60.53 ng	88
11) Benzaldehyde	4.714	77	29667	37.62 ng	82
12) Aniline	4.816	93	79716	62.61 ng	17
13) Pentachloroethane	4.848	117	18643	49.18 ng	88
14) bis(2-Chloroethyl)ether	4.896	93	51099	55.68 ng	79
16) Phenol	4.832	94	72419	57.21 ng	96
17) 2-Chlorophenol	4.923	128	58025	54.24 ng	79
18) N-Decane	4.987	57	42805	58.72 ng	69
19) 1,3-Dichlorobenzene	5.051	146	58815	49.57 ng	92
20) 1,4-Dichlorobenzene	5.121	146	59742	50.24 ng	97
21) 1,2-Dichlorobenzene	5.249	146	56518	49.52 ng	95
22) Benzyl alcohol	5.249	108	33877	58.27 ng	78
23) bis(2-chloroisopropyl)...	5.362	45	59030	62.20 ng	52
24) 2-Methylphenol	5.356	108	48498	54.91 ng	99
25) Acetophenone	5.463	105	73798	54.21 ng	63
26) Hexachloroethane	5.522	117	26385	49.65 ng	96
27) N-Nitroso-di-n-propyla...	5.469	70	42815	54.49 ng	93
28) 3&4-Methylphenol	5.490	108	54147	58.39 ng	100
31) Nitrobenzene	5.597	77	61275	49.35 ng	83
32) Isophorone	5.789	82	109270	50.15 ng	88
33) 2-Nitrophenol	5.848	139	30979	50.33 ng	97
34) 2,4-Dimethylphenol	5.902	107	60400	50.97 ng	98
35) Benzoic Acid	6.009	105	33026m	54.01 ng	
36) bis(2-Chloroethoxy)met...	5.966	93	63083	52.38 ng	99
37) 2,4-Dichlorophenol	6.041	162	45870	47.74 ng	88
38) 1,2,4-Trichlorobenzene	6.100	180	52129	46.80 ng	97
39) Naphthalene	6.153	128	167032	49.46 ng	98
40) 4-Chloroaniline	6.201	127	68383	53.19 ng	99
41) Hexachlorobutadiene	6.244	225	28348	44.56 ng	97
42) Caprolactam	6.495	113	20676	60.19 ng	65
43) 4-Chloro-3-methylphenol	6.581	107	49288	49.77 ng	80
44) 2-Methylnaphthalene	6.672	142	111135	48.21 ng	97
45) Methylnaphthalenes (To...	6.672	142	111135	48.21 ng	97
46) 1,1'-Biphenyl	7.020	154	136761	47.78 ng	94
48) 1,2,4,5-Tetrachloroben...	6.800	216	51479	46.12 ng	98
49) Hexachlorocyclopentadiene	6.790	237	6454	34.71 ng	84
50) 2,4,6-Trichlorophenol	6.891	196	30678	47.09 ng	96
51) 2,4,5-Trichlorophenol	6.929	196	33851	48.90 ng	93
53) 2-Chloronaphthalene	7.036	162	104415	47.89 ng	98
54) 1,4-Dimethylnaphthalene	7.298	156	78417	48.69 ng	96
55) Dimethylnaphthalenes (...	7.298	156	78417	48.69 ng	96
56) Diphenyl Ether	7.105	170	70704	46.30 ng	82
57) 2-Nitroaniline	7.127	65	33666	52.51 ng	54
58) Acenaphthylene	7.362	152	169781	48.40 ng	99
59) Dimethylphthalate	7.271	163	121327	46.55 ng	99
60) 2,6-Dinitrotoluene	7.319	165	27261	48.17 ng	71
61) Acenaphthene	7.506	153	106445	48.10 ng	99
62) 3-Nitroaniline	7.453	138	30919	57.83 ng	68
63) 2,4-Dinitrophenol	7.555	184	13599	50.73 ng	91
64) Dibenzofuran	7.651	168	142282	47.45 ng	94
65) 2,4-Dinitrotoluene	7.656	165	37886	48.20 ng	81

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23678.D
Acq On : 03/11/10 09:30

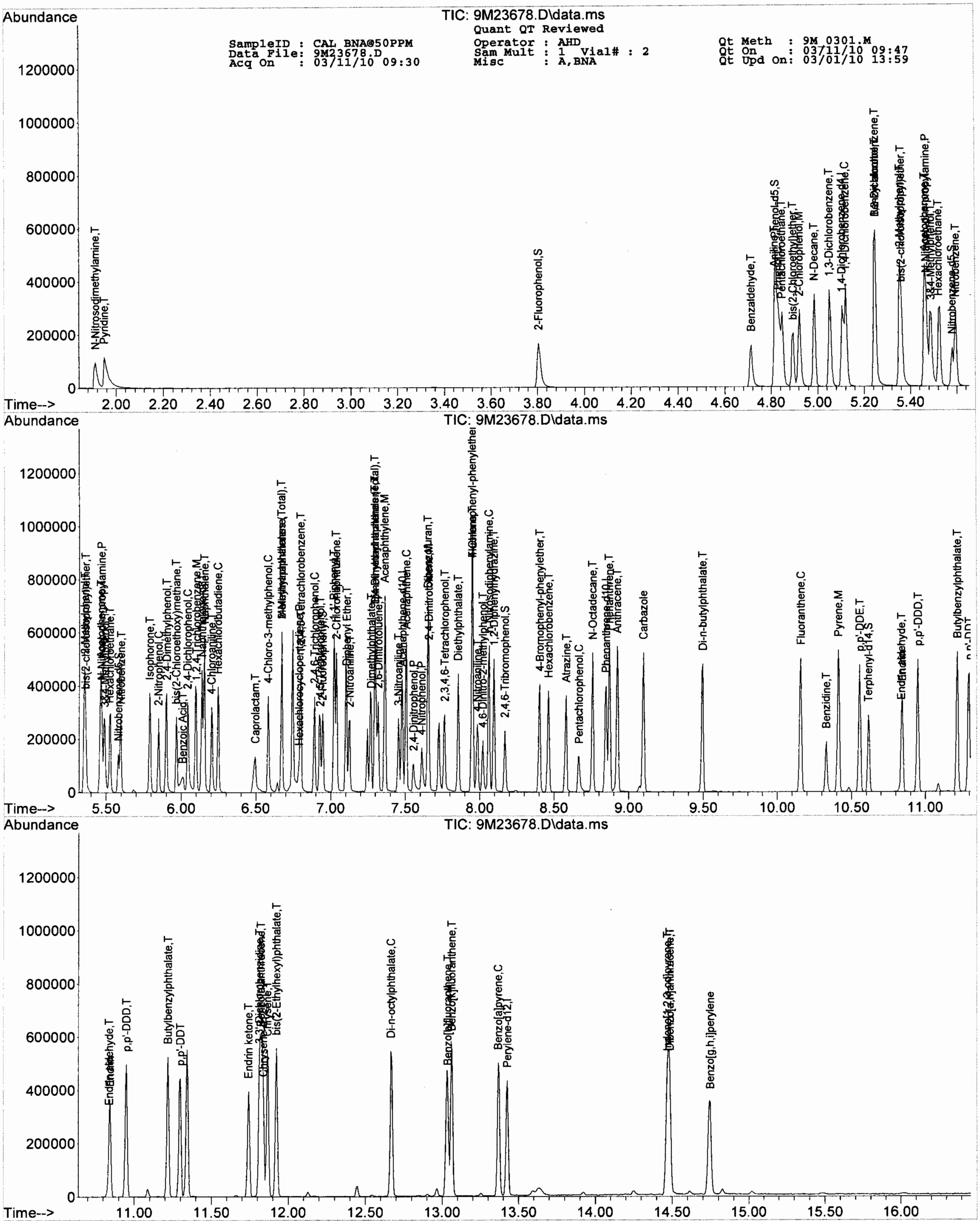
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/11/10 09:47
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.608	65	18818	53.78 ng	80
67)	2,3,4,6-Tetrachlorophenol	7.763	232	27778	49.28 ng	87
68)	Fluorene	7.950	166	119714	48.61 ng	99
69)	4-Chlorophenyl-phenyle...	7.950	204	54843	46.93 ng	90
70)	Diethylphthalate	7.854	149	130145	48.95 ng	99
71)	4-Nitroaniline	7.982	138	32376	51.91 ng	92
72)	Atrazine	8.581	200	35331	46.74 ng	96
74)	4,6-Dinitro-2-methylph...	8.020	198	20614	48.01 ng	44
75)	n-Nitrosodiphenylamine	8.063	169	108745	50.49 ng	97
77)	1,2-Diphenylhydrazine	8.095	77	152528	49.24 ng	95
78)	4-Bromophenyl-phenylether	8.405	248	35855	51.43 ng	87
79)	Hexachlorobenzene	8.464	284	39238	56.47 ng	67
80)	N-Octadecane	8.758	57	65300	58.53 ng	69
81)	Pentachlorophenol	8.667	266	14990	55.06 ng	83
82)	Phenanthrene	8.870	178	177602	48.73 ng	100
83)	Anthracene	8.924	178	181740	48.55 ng	98
84)	Carbazole	9.100	167	179296	51.29 ng	99
85)	Di-n-butylphthalate	9.496	149	233526	49.63 ng	98
86)	Fluoranthene	10.159	202	189130	47.64 ng	90
88)	Pyrene	10.411	202	206991	42.04 ng	92
89)	Benzidine	10.330	184	60928	34.11 ng	88
91)	p,p'-DDE	10.555	246	48259	46.59 ng	95
92)	Endrin	10.844	81	15933	41.55 ng	73
93)	p,p'-DDD	10.951	235	74193	44.08 ng	88
94)	Butylbenzylphthalate	11.218	149	111205	46.29 ng	85
95)	Endrin aldehyde	10.839	67	4124	44.15 ng	75
96)	p,p'-DDT	11.299	235	68684	44.33 ng	92
97)	Endrin ketone	11.742	317	9663	60.58 ng	96
98)	3,3'-Dichlorobenzidine	11.812	252	67279	53.51 ng	96
99)	Benzo[a]anthracene	11.823	228	196577	44.23 ng	98
100)	Chrysene	11.866	228	188352	44.29 ng	97
101)	bis(2-Ethylhexyl)phtha...	11.924	149	156411	44.37 ng	99
103)	Di-n-octylphthalate	12.668	149	266806	42.34 ng	99
104)	Benzo[b]fluoranthene	13.037	252	212594	44.63 ng	93
105)	Benzo[k]fluoranthene	13.064	252	206723	46.35 ng	93
106)	Benzo[a]pyrene	13.368	252	198148	44.57 ng	91
107)	Indeno[1,2,3-cd]pyrene	14.470	276	224325	50.06 ng	80
108)	Dibenzo[a,h]anthracene	14.486	278	189221	50.98 ng	87
109)	Benzo[g,h,i]perylene	14.748	276	188083	48.25 ng	83

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



TIC: 9M23678.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M23678.D
Acq On : 03/11/10 09:30
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/11/10 09:47
Qt Upd On: 03/01/10 13:59
Abundance
Time-->
TIC: 9M23678.D\data.ms
TIC: 9M23678.D\data.ms

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M23707.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/12/2010 10:37:00 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		1.92	60.82	50			1.141	1.387	21.64	
N-Nitrosodimethylamine	1	0		1.88	64.73	50			0.667	0.864	29.46	
2-Fluorophenol	1	0	S	3.77	54.84	50			1.076	1.180	9.68	
Benzaldehyde	1	0		4.69	40.49	50			0.782	0.756	19.02	
Aniline	1	0		4.79	65.81	50			1.536	2.022	31.62	
Pentachloroethane	1	0		4.82	46.91	50			0.457	0.429	6.18	
bis(2-Chloroethyl)ether	1	0		4.87	56.78	50			1.107	1.258	13.56	
Phenol-d5	1	0	S	4.80	59.03	50			1.403	1.656	18.06	
Phenol	1	0	CC	4.81	58.00	50	20		1.527	1.772	16.00	
2-Chlorophenol	1	0		4.90	52.82	50			1.291	1.364	5.64	
N-Decane	1	0		4.96	61.16	50			0.880	1.076	22.32	
1,3-Dichlorobenzene	1	0		5.03	49.01	50			1.432	1.404	1.98	
1,4-Dichlorobenzene	1	0	CC	5.09	51.56	50	20		1.435	1.480	3.12	
1,2-Dichlorobenzene	1	0		5.22	49.99	50			1.377	1.377	0.02	
Benzyl alcohol	1	0		5.22	62.57	50			0.702	0.878	25.14	
bis(2-chloroisopropyl)ether	1	0		5.33	67.13	50			1.145	1.538	34.26	
2-Methylphenol	1	0		5.33	55.82	50			1.066	1.190	11.64	
Acetophenone	1	0		5.44	54.60	50			1.643	1.794	9.20	
Hexachloroethane	1	0		5.50	46.88	50			0.641	0.601	6.24	
N-Nitroso-di-n-propylamine	1	0	CP	5.44	57.89	50	0.05		0.948	1.098	15.78	
3&4-Methylphenol	1	0		5.46	57.27	50			1.119	1.282	14.54	
Naphthalene-d8	1	0	I	6.11	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.55	25.95	25			0.168	0.174	3.80	
Nitrobenzene	1	0		5.57	52.25	50			0.374	0.391	4.50	
Isophorone	1	0		5.77	52.87	50			0.657	0.695	5.74	
2-Nitrophenol	1	0	CC	5.83	51.41	50	20		0.186	0.191	2.82	
2,4-Dimethylphenol	1	0		5.88	51.41	50			0.357	0.367	2.82	
Benzoic Acid	1	0		5.98	55.21	50			0.192	0.204	10.42	
bis(2-Chloroethoxy)methane	1	0		5.94	53.40	50			0.363	0.388	6.80	
2,4-Dichlorophenol	1	0	CC	6.02	47.12	50	20		0.290	0.273	5.76	
1,2,4-Trichlorobenzene	1	0		6.07	47.11	50			0.336	0.316	5.78	
Naphthalene	1	0		6.13	51.53	50			1.018	1.049	3.06	
4-Chloroaniline	1	0		6.18	51.59	50			0.323	0.402	3.18	
Hexachlorobutadiene	1	0	CC	6.22	44.52	50	20		0.192	0.171	10.96	
Caprolactam	1	0		6.46	57.80	50			0.104	0.120	15.60	
4-Chloro-3-methylphenol	1	0	CC	6.55	52.73	50	20		0.299	0.315	5.46	
2-Methylnaphthalene	1	0		6.65	48.46	50			0.695	0.674	3.08	
Methylnaphthalenes	1	0		6.65	48.46	50	20			0.674	3.08	
1,1'-Biphenyl	1	0		6.99	47.67	50			0.863	0.823	4.66	
Acenaphthene-d10	1	0	I	7.44	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.77	45.13	50			0.599	0.541	9.74	
Hexachlorocyclopentadiene	1	0	CP	6.76	29.41	50	0.05		0.130	0.057	41.18	
2,4,6-Trichlorophenol	1	0	CC	6.86	47.69	50	20		0.350	0.334	4.62	
2,4,5-Trichlorophenol	1	0		6.90	48.03	50			0.372	0.357	3.94	
2-Fluorobiphenyl	1	0	S	6.92	23.79	25			1.368	1.302	4.84	
2-Chloronaphthalene	1	0		7.01	48.71	50			1.171	1.141	2.58	
1,4-Dimethylnaphthalene	1	0		7.26	50.91	50			0.907	0.880	1.82	
Dimethylnaphthalenes	1	0		7.26	50.91	50	20			0.880	1.82	
Diphenyl Ether	1	0		7.07	49.16	50			0.820	0.806	1.68	
2-Nitroaniline	1	0		7.09	60.36	50			0.344	0.416	20.72	
Acenaphthylene	1	0		7.33	47.90	50			1.884	1.805	4.20	
Dimethylphthalate	1	0		7.23	47.51	50			1.400	1.330	4.98	
2,6-Dinitrotoluene	1	0		7.29	49.95	50			0.304	0.304	0.10	
Acenaphthene	1	0	CC	7.47	50.41	50	20		1.188	1.198	0.82	
3-Nitroaniline	1	0		7.42	57.55	50			0.287	0.330	15.10	
2,4-Dinitrophenol	1	0	CP	7.52	48.28	50	0.05		0.148	0.138	3.44	
Dibenzofuran	1	0		7.61	49.69	50			1.610	1.600	0.62	
2,4-Dinitrotoluene	1	0		7.62	49.69	50			0.422	0.420	0.62	
4-Nitrophenol	1	0	CP	7.58	56.45	50	0.05		0.188	0.212	12.90	
2,3,4,6-Tetrachlorophenol	1	0		7.73	47.97	50			0.303	0.290	4.06	
Fluorene	1	0		7.91	49.42	50			1.323	1.307	1.16	
4-Chlorophenyl-phenylether	1	0		7.91	48.00	50			0.628	0.602	4.00	
Diethylphthalate	1	0		7.82	49.00	50			1.428	1.399	2.00	
4-Nitroaniline	1	0		7.94	52.77	50			0.335	0.354	5.54	
Atrazine	1	0		8.54	46.00	50			0.406	0.374	8.00	
Phenanthrene-d10	1	0	I	8.81	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		7.98	50.72	50			0.137	0.139	1.44	
n-Nitrosodiphenylamine	1	0	CC	8.03	49.47	50	20		0.688	0.681	1.06	
2,4,6-Tribromophenol	1	0	S	8.13	79.89	50			0.074	0.119	59.78	

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:** 9M23707.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/12/2010 10:37:00 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	52.11	50			0.990	1.032	4.22	
4-Bromophenyl-phenylether	1	0		8.37	53.36	50			0.223	0.238	6.72	
Hexachlorobenzene	1	0		8.43	61.04	50			0.222	0.271	22.08	
N-Octadecane	1	0		8.72	66.81	50			0.356	0.476	33.62	
Pentachlorophenol	1	0	CC	8.63	55.40	50	20		0.087	0.096	10.80	
Phenanthrene	1	0		8.83	49.71	50			1.165	1.158	0.58	
Anthracene	1	0		8.89	48.89	50			1.196	1.170	2.22	
Carbazole	1	0		9.06	51.53	50			1.117	1.151	3.06	
Di-n-butylphthalate	1	0		9.45	50.34	50			1.504	1.514	0.68	
Fluoranthene	1	0	CC	10.12	48.87	50	20		1.268	1.240	2.26	
Chrysene-d12	1	0	I	11.80	40.00	40				0.000	0.00	
Pyrene	1	0		10.37	43.10	50			1.610	1.388	13.80	
Benzidine	1	0		10.29	34.55	50			0.449	0.403	30.90	
Terphenyl-d14	1	0	S	10.58	23.93	25			1.148	1.099	4.28	
p,p'-DDE	1	0		10.51	49.11				0.339			
Endrin	1	0		10.80	42.77	50			0.125	0.107	14.46	
p,p'-DDD	1	0		10.91	47.39				0.550			
Butylbenzylphthalate	1	0		11.18	46.01	50			0.786	0.723	7.98	
Endrin aldehyde	1	0		10.80	58.32				0.031			
p,p'-DDT	1	0		11.26	45.61				0.507			
Endrin ketone	1	0		11.70	70.08				0.052			
3,3'-Dichlorobenzidine	1	0		11.77	52.33	50			0.412	0.431	4.66	
Benzo[a]anthracene	1	0		11.78	43.74	50			1.453	1.271	12.52	
Chrysene	1	0		11.82	44.96	50			1.391	1.251	10.08	
bis(2-Ethylhexyl)phthalate	1	0		11.89	46.62	50			1.153	1.075	6.76	
Perylene-d12	1	0	I	13.38	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.63	42.94	50	20		1.765	1.516	14.12	
Benzo[b]fluoranthene	1	0		12.99	45.77	50			1.334	1.221	8.46	
Benzo[k]fluoranthene	1	0		13.02	45.61	50			1.249	1.140	8.78	
Benzo[a]pyrene	1	0	CC	13.33	45.86	50	20		1.245	1.142	8.28	
Indeno[1,2,3-cd]pyrene	1	0		14.42	50.13	50			1.255	1.258	0.26	
Dibenzo[a,h]anthracene	1	0		14.43	51.78	50			1.040	1.077	3.56	
Benzo[g,h,i]perylene	1	0		14.69	47.83	50			1.092	1.045	4.34	
Toluene Diisocyanate	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	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.695	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.907	0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	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/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

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23707.D
Acq On : 03/12/10 10:37

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/15/10 11:28
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.083	152	26388	40.00	ng	-0.18
29) Naphthalene-d8	6.110	136	102796	40.00	ng	-0.18
47) Acenaphthene-d10	7.442	164	56196	40.00	ng	-0.20
73) Phenanthrene-d10	8.806	188	94249	40.00	ng	-0.24
87) Chrysene-d12	11.796	240	89139	40.00	ng	-0.26
102) Perylene-d12	13.379	264	105829	40.00	ng	-0.28
System Monitoring Compounds						
10) 2-Fluorophenol	3.773	112	38911	54.84	ng	-0.24
Spiked Amount 100.000			Recovery =	54.84%		
15) Phenol-d5	4.800	99	54615	59.03	ng	-0.18
Spiked Amount 100.000			Recovery =	59.03%		
30) Nitrobenzene-d5	5.554	128	11180	25.95	ng	-0.18
Spiked Amount 50.000			Recovery =	51.90%		
52) 2-Fluorobiphenyl	6.918	172	45740	23.79	ng	-0.18
Spiked Amount 50.000			Recovery =	47.58%		
76) 2,4,6-Tribromophenol	8.132	330	13996	79.89	ng	-0.22
Spiked Amount 100.000			Recovery =	79.89%		
90) Terphenyl-d14	10.576	244	61206	23.93	ng	-0.25
Spiked Amount 50.000			Recovery =	47.86%		
Target Compounds						Qvalue
8) Pyridine	1.917	79	45761	60.82	ng	72
9) N-Nitrosodimethylamine	1.880	74	28494	64.73	ng	97
11) Benzaldehyde	4.688	77	24924	40.49	ng	88
12) Aniline	4.789	93	66702	65.81	ng	18
13) Pentachloroethane	4.821	117	14155	46.91	ng	82
14) bis(2-Chloroethyl)ether	4.869	93	41483	56.78	ng	82
16) Phenol	4.811	94	58444	58.00	ng	99
17) 2-Chlorophenol	4.896	128	44981	52.82	ng	83
18) N-Decane	4.960	57	35493	61.16	ng	76
19) 1,3-Dichlorobenzene	5.030	146	46295	49.01	ng	99
20) 1,4-Dichlorobenzene	5.094	146	48808	51.56	ng	99
21) 1,2-Dichlorobenzene	5.222	146	45422	49.99	ng	96
22) Benzyl alcohol	5.222	108	28957	62.57	ng	85
23) bis(2-chloroisopropyl)...	5.335	45	50716	67.13	ng	53
24) 2-Methylphenol	5.329	108	39243	55.82	ng	99
25) Acetophenone	5.436	105	59179	54.60	ng	65
26) Hexachloroethane	5.501	117	19836	46.88	ng	84
27) N-Nitroso-di-n-propyla...	5.442	70	36211	57.89	ng	93
28) 3&4-Methylphenol	5.463	108	42274	57.27	ng	92
31) Nitrobenzene	5.570	77	50272	52.25	ng	88
32) Isophorone	5.768	82	89259	52.87	ng	90
33) 2-Nitrophenol	5.827	139	24521	51.41	ng	95
34) 2,4-Dimethylphenol	5.875	107	47198	51.41	ng	97
35) Benzoic Acid	5.982	105	26243m	55.21	ng	
36) bis(2-Chloroethoxy)met...	5.945	93	49828	53.40	ng	98
37) 2,4-Dichlorophenol	6.019	162	35082	47.12	ng	86
38) 1,2,4-Trichlorobenzene	6.073	180	40656	47.11	ng	98
39) Naphthalene	6.126	128	134833	51.53	ng	100
40) 4-Chloroaniline	6.180	127	51629	51.59	ng	94
41) Hexachlorobutadiene	6.223	225	21947	44.52	ng	96
42) Caprolactam	6.463	113	15384	57.80	ng	71
43) 4-Chloro-3-methylphenol	6.554	107	40463	52.73	ng	90
44) 2-Methylnaphthalene	6.645	142	86542	48.46	ng	99
45) Methylnaphthalenes (To...	6.645	142	86542	48.46	ng	99
46) 1,1'-Biphenyl	6.993	154	105727	47.67	ng	95
48) 1,2,4,5-Tetrachloroben...	6.768	216	38000	45.13	ng	94
49) Hexachlorocyclopentadiene	6.758	237	3969	29.41	ng	83
50) 2,4,6-Trichlorophenol	6.859	196	23441	47.69	ng	97
51) 2,4,5-Trichlorophenol	6.897	196	25086	48.03	ng	97
53) 2-Chloronaphthalene	7.009	162	80125	48.71	ng	92
54) 1,4-Dimethylnaphthalene	7.260	156	61798	50.91	ng	96
55) Dimethylnaphthalenes (...	7.260	156	61798	50.91	ng	96
56) Diphenyl Ether	7.073	170	56639	49.16	ng	84
57) 2-Nitroaniline	7.095	65	29196	60.36	ng	67
58) Acenaphthylene	7.330	152	126792	47.90	ng	99
59) Dimethylphthalate	7.234	163	93431	47.51	ng	98
60) 2,6-Dinitrotoluene	7.287	165	21327	49.95	ng	66
61) Acenaphthene	7.469	153	84159	50.41	ng	91
62) 3-Nitroaniline	7.421	138	23213	57.55	ng	71
63) 2,4-Dinitrophenol	7.522	184	9718	48.28	ng	90
64) Dibenzofuran	7.613	168	112427	49.69	ng	96
65) 2,4-Dinitrotoluene	7.619	165	29468	49.69	ng	85

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M23707.D
Acq On : 03/12/10 10:37

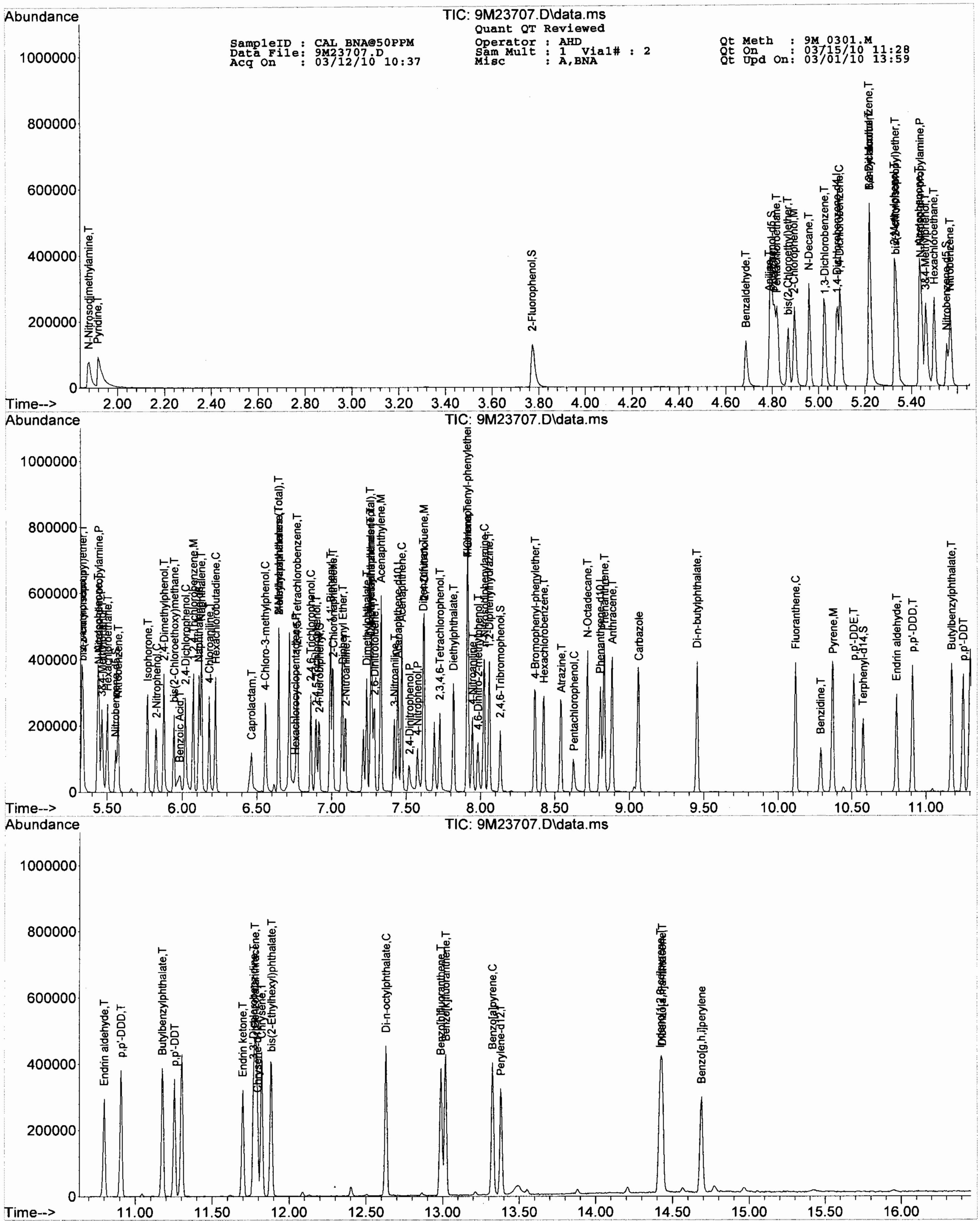
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0301.M
Qt On : 03/15/10 11:28
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	4-Nitrophenol	7.576	65	14902	56.45 ng	85
67)	2,3,4,6-Tetrachlorophenol	7.726	232	20401	47.97 ng	86
68)	Fluorene	7.913	166	91815	49.42 ng	98
69)	4-Chlorophenyl-phenyle...	7.913	204	42318	48.00 ng	96
70)	Diethylphthalate	7.817	149	98302	49.00 ng	99
71)	4-Nitroaniline	7.945	138	24832	52.77 ng	88
72)	Atrazine	8.544	200	26237	46.00 ng	99
74)	4,6-Dinitro-2-methylph...	7.982	198	16395	50.72 ng	41
75)	n-Nitrosodiphenylamine	8.025	169	80226	49.47 ng	99
77)	1,2-Diphenylhydrazine	8.057	77	121524	52.11 ng	97
78)	4-Bromophenyl-phenylether	8.367	248	28009	53.36 ng	88
79)	Hexachlorobenzene	8.426	284	31933	61.04 ng	66
80)	N-Octadecane	8.720	57	56117	66.81 ng	75
81)	Pentachlorophenol	8.630	266	11363	55.40 ng	94
82)	Phenanthrene	8.833	178	136402	49.71 ng	99
83)	Anthracene	8.886	178	137802	48.89 ng	100
84)	Carbazole	9.063	167	135643	51.53 ng	97
85)	Di-n-butylphthalate	9.453	149	178369	50.34 ng	98
86)	Fluoranthene	10.117	202	146060	48.87 ng	95
88)	Pyrene	10.373	202	154645	43.10 ng	88
89)	Benzidine	10.288	184	44857	34.55 ng	83
91)	p,p'-DDE	10.512	246	37066	49.11 ng	96
92)	Endrin	10.801	81	11953	42.77 ng	68
93)	p,p'-DDD	10.908	235	58122	47.39 ng	89
94)	Butylbenzylphthalate	11.176	149	80556	46.01 ng	89
95)	Endrin aldehyde	10.801	67	3970	58.32 ng	69
96)	p,p'-DDT	11.256	235	51500	45.61 ng	95
97)	Endrin ketone	11.700	317	8145	70.08 ng	96
98)	3,3'-Dichlorobenzidine	11.769	252	48051	52.33 ng	95
99)	Benzo[a]anthracene	11.780	228	141657	43.74 ng	98
100)	Chrysene	11.823	228	139344	44.96 ng	97
101)	bis(2-Ethylhexyl)phtha...	11.887	149	119765	46.62 ng	99
103)	Di-n-octylphthalate	12.630	149	200542	42.94 ng	98
104)	Benzo[b]fluoranthene	12.989	252	161586	45.77 ng	93
105)	Benzo[k]fluoranthene	13.021	252	150753	45.61 ng	92
106)	Benzo[a]pyrene	13.326	252	151117	45.86 ng	93
107)	Indeno[1,2,3-cd]pyrene	14.422	276	166472	50.13 ng	80
108)	Dibenzo[a,h]anthracene	14.433	278	142423	51.78 ng	85
109)	Benzo[g,h,i]perylene	14.690	276	138175	47.83 ng	81

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


TIC: 9M23707.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M23707.D
Acq On : 03/12/10 10:37
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0301.M
Qt On : 03/15/10 11:28
Qt Upd On: 03/01/10 13:59
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Nitrobenzene,T
Hexachloroethane,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,P
2-Nitroaniline,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
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
Anthracene,T
Carbazole
Di-n-butylphthalate,T
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
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M55988.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/15/2010 10:11:00 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	5.70	40.00	40				0.000	0.00	
Pyridine	1	0		2.85	35.63	50			1.795	1.279	28.74	
N-Nitrosodimethylamine	1	0		2.79	37.69	50			1.078	0.813	24.62	
2-Fluorophenol	1	0	S	4.48	43.98	50			1.433	1.261	12.04	
Benzaldehyde	1	0		5.32	27.33	50			1.076	0.746	45.34	
Aniline	1	0		5.42	45.95	50			2.171	1.995	8.10	
Pentachloroethane	1	0		5.46	45.68	50			0.450	0.411	8.64	
bis(2-Chloroethyl)ether	1	0		5.48	42.78	50			1.460	1.249	14.44	
Phenol-d5	1	0	S	5.38	42.96	50			1.985	1.706	14.08	
Phenol	1	0	CC	5.40	43.34	50	20		2.117	1.835	13.32	
2-Chlorophenol	1	0		5.52	47.53	50			1.409	1.339	4.94	
N-Decane	1	0		5.57	39.97	50			1.474	1.178	20.06	
1,3-Dichlorobenzene	1	0		5.65	48.04	50			1.509	1.450	3.92	
1,4-Dichlorobenzene	1	0	CC	5.72	50.32	50	20		1.526	1.536	0.64	
1,2-Dichlorobenzene	1	0		5.84	49.67	50			1.419	1.410	0.66	
Benzyl alcohol	1	0		5.82	45.69	50			0.981	0.896	8.62	
bis(2-chloroisopropyl)ether	1	0		5.93	37.33	50			1.723	1.286	25.34	
2-Methylphenol	1	0		5.91	46.74	50			1.346	1.258	6.52	
Acetophenone	1	0		6.03	47.92	50			1.840	1.763	4.16	
Hexachloroethane	1	0		6.12	46.10	50			0.572	0.527	7.80	
N-Nitroso-di-n-propylamine	1	0	CP	6.04	44.26	50	0.05		1.008	0.892	11.48	
3&4-Methylphenol	1	0		6.03	47.55	50			1.317	1.252	4.90	
Naphthalene-d8	1	0	I	6.72	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.16	24.24	25			0.171	0.166	3.04	
Nitrobenzene	1	0		6.17	47.04	50			0.388	0.365	5.92	
Isophorone	1	0		6.36	44.08	50			0.766	0.675	11.84	
2-Nitrophenol	1	0	CC	6.42	51.15	50	20		0.174	0.178	2.30	
2,4-Dimethylphenol	1	0		6.45	49.30	50			0.374	0.369	1.40	
Benzoic Acid	1	0		6.52	18.22	50			0.158	0.027	63.56	
bis(2-Chloroethoxy)methane	1	0		6.52	45.46	50			0.438	0.398	9.08	
2,4-Dichlorophenol	1	0	CC	6.60	51.01	50	20		0.278	0.284	2.02	
1,2,4-Trichlorobenzene	1	0		6.67	53.14	50			0.334	0.355	6.28	
Naphthalene	1	0		6.73	48.92	50			1.028	1.006	2.16	
4-Chloroaniline	1	0		6.77	50.46	50			0.345	0.409	0.92	
Hexachlorobutadiene	1	0	CC	6.82	55.54	50	20		0.180	0.200	11.08	
Caprolactam	1	0		7.04	43.03	50			0.133	0.114	13.94	
4-Chloro-3-methylphenol	1	0	CC	7.13	46.32	50	20		0.328	0.303	7.36	
2-Methylnaphthalene	1	0		7.26	48.73	50			0.697	0.679	2.54	
Methylnaphthalenes	1	0		7.26	48.73	50	20			0.679	2.54	
1,1'-Biphenyl	1	0		7.63	48.58	50			0.864	0.840	2.84	
Acenaphthene-d10	1	0	I	8.14	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.39	55.82	50			0.560	0.625	11.64	
Hexachlorocyclopentadiene	1	0	CP	7.39	52.76	50	0.05		0.262	0.280	5.52	
2,4,6-Trichlorophenol	1	0	CC	7.49	53.21	50	20		0.358	0.381	6.42	
2,4,5-Trichlorophenol	1	0		7.51	51.95	50			0.392	0.407	3.90	
2-Fluorobiphenyl	1	0	S	7.55	25.57	25			1.318	1.349	2.28	
2-Chloronaphthalene	1	0		7.66	51.08	50			1.117	1.141	2.16	
1,4-Dimethylnaphthalene	1	0		7.93	50.26	50			0.857	0.862	0.52	
Dimethylnaphthalenes	1	0		7.93	50.26	50	20			0.862	0.52	
Diphenyl Ether	1	0		7.72	50.75	50			0.815	0.828	1.50	
2-Nitroaniline	1	0		7.74	45.65	50			0.416	0.380	8.70	
Acenaphthylene	1	0		8.01	48.99	50			1.845	1.808	2.02	
Dimethylphthalate	1	0		7.88	51.46	50			1.326	1.365	2.92	
2,6-Dinitrotoluene	1	0		7.94	55.08	50			0.271	0.298	10.16	
Acenaphthene	1	0	CC	8.16	49.07	50	20		1.139	1.118	1.86	
3-Nitroaniline	1	0		8.08	53.55	50			0.306	0.328	7.10	
2,4-Dinitrophenol	1	0	CP	8.17	47.87	50	0.05		0.129	0.119	4.26	
Dibenzofuran	1	0		8.32	49.06	50			1.637	1.607	1.88	
2,4-Dinitrotoluene	1	0		8.29	53.05	50			0.379	0.403	6.10	
4-Nitrophenol	1	0	CP	8.21	43.69	50	0.05		0.230	0.201	12.62	
2,3,4,6-Tetrachlorophenol	1	0		8.43	54.17	50			0.305	0.330	8.34	
Fluorene	1	0		8.64	50.33	50			1.308	1.317	0.66	
4-Chlorophenyl-phenylether	1	0		8.63	51.42	50			0.663	0.682	2.84	
Diethylphthalate	1	0		8.51	50.45	50			1.342	1.354	0.90	
4-Nitroaniline	1	0		8.64	48.36	50			0.353	0.342	3.28	
Atrazine	1	0		9.27	51.81	50			0.407	0.422	3.62	
Phenanthrene-d10	1	0	I	9.59	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.67	48.31	50			0.106	0.107	3.38	
n-Nitrosodiphenylamine	1	0	CC	8.74	49.35	50	20		0.620	0.611	1.30	
2,4,6-Tribromophenol	1	0	S	8.87	55.83	50			0.062	0.070	11.66	

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. **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:** 5M55988.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/15/2010 10:11:00 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		8.78	43.18	50			0.804	0.695	13.64	
4-Bromophenyl-phenylether	1	0		9.11	51.85	50			0.198	0.206	3.70	
Hexachlorobenzene	1	0		9.18	53.35	50			0.175	0.187	6.70	
N-Octadecane	1	0		9.46	41.53	50			0.459	0.382	16.94	
Pentachlorophenol	1	0	CC	9.38	51.10	50	20		0.100	0.102	2.20	
Phenanthrene	1	0		9.61	48.93	50			1.137	1.113	2.14	
Anthracene	1	0		9.67	50.07	50			1.127	1.129	0.14	
Carbazole	1	0		9.84	46.96	50			1.074	1.008	6.08	
Di-n-butylphthalate	1	0		10.23	48.10	50			1.282	1.233	3.80	
Fluoranthene	1	0	CC	10.94	49.59	50	20		1.272	1.261	0.82	
Chrysene-d12	1	0	I	12.64	40.00	40				0.000	0.00	
Pyrene	1	0		11.21	48.41	50			1.620	1.569	3.18	
Benzidine	1	0		11.10	30.06	50			0.443	0.386	39.88	
Terphenyl-d14	1	0	S	11.40	24.76	25			1.102	1.092	0.96	
4,4'-DDE	1	0		11.33	51.55				0.296			
Endrin	1	0		11.66	39.98	50			0.074	0.059	20.04	
4,4'-DDD	1	0		11.73	50.46				0.505			
Butylbenzylphthalate	1	0		11.99	44.82	50			0.704	0.631	10.36	
Endrin aldehyde	1	0		11.66	38.63				0.040			
4,4'-DDT	1	0		12.09	52.37				0.421			
Endrin ketone	1	0		12.57	50.73				0.047			
3,3'-Dichlorobenzidine	1	0		12.61	50.37	50			0.372	0.388	0.74	
Benzo[a]anthracene	1	0		12.63	47.07	50			1.501	1.413	5.86	
Chrysene	1	0		12.67	48.58	50			1.388	1.349	2.84	
bis(2-Ethylhexyl)phthalate	1	0		12.69	46.58	50			0.867	0.807	6.84	
Perylene-d12	1	0	I	14.25	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.44	44.68	50	20		1.555	1.389	10.64	
Benzo[b]fluoranthene	1	0		13.85	46.92	50			1.301	1.221	6.16	
Benzo[k]fluoranthene	1	0		13.87	52.25	50			1.286	1.344	4.50	
Benzo[a]pyrene	1	0	CC	14.20	49.54	50	20		1.257	1.245	0.92	
Indeno[1,2,3-cd]pyrene	1	0		15.53	48.92	50			1.257	1.230	2.16	
Dibenzo[a,h]anthracene	1	0		15.55	49.67	50			1.025	1.018	0.66	
Benzo[g,h,i]perylene	1	0		15.89	48.83	50			1.062	1.037	2.34	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.857	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			0.697	0.000	100.00	
Toluene Diisocyanate	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	
2,4 Diaminotoluene	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/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

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55988.D Sam Mult : 1 Vial# : 2 Qt On : 03/15/10 10:26
Acq On : 03/15/10 10:11 Misc : A,BNA Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.701	152	35438	40.00 ng	-0.10
29) Naphthalene-d8	6.716	136	132292	40.00 ng	-0.10
47) Acenaphthene-d10	8.137	164	73456	40.00 ng	-0.11
73) Phenanthrene-d10	9.590	188	135807	40.00 ng	-0.12
87) Chrysene-d12	12.641	240	115572	40.00 ng	-0.14
102) Perylene-d12	14.254	264	111814	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.478	112	55847	43.98 ng	-0.11
Spiked Amount 100.000			Recovery =	43.98%	
15) Phenol-d5	5.380	99	75573	42.96 ng	-0.10
Spiked Amount 100.000			Recovery =	42.96%	
30) Nitrobenzene-d5	6.155	128	13699	24.24 ng	-0.10
Spiked Amount 50.000			Recovery =	48.48%	
52) 2-Fluorobiphenyl	7.549	172	61912	25.57 ng	-0.11
Spiked Amount 50.000			Recovery =	51.14%	
76) 2,4,6-Tribromophenol	8.869	330	11812	55.83 ng	-0.12
Spiked Amount 100.000			Recovery =	55.83%	
90) Terphenyl-d14	11.396	244	78865	24.76 ng	-0.13
Spiked Amount 50.000			Recovery =	49.52%	
Target Compounds					Qvalue
8) Pyridine	2.854	79	56669	35.63 ng	67
9) N-Nitrosodimethylamine	2.795	74	36016	37.69 ng	69
11) Benzaldehyde	5.322	77	33027	27.33 ng	72
12) Aniline	5.418	93	88367	45.95 ng	43
13) Pentachloroethane	5.455	117	18210	45.68 ng	75
14) bis(2-Chloroethyl)ether	5.477	93	55324	42.78 ng	78
16) Phenol	5.397	94	81297	43.34 ng	84
17) 2-Chlorophenol	5.519	128	59323	47.53 ng	78
18) N-Decane	5.573	57	52190	39.97 ng	73
19) 1,3-Dichlorobenzene	5.653	146	64214	48.04 ng	97
20) 1,4-Dichlorobenzene	5.717	146	68024	50.32 ng	98
21) 1,2-Dichlorobenzene	5.840	146	62457	49.67 ng	98
22) Benzyl alcohol	5.819	108	39698	45.69 ng	72
23) bis(2-chloroisopropyl)...	5.931	45	56983	37.33 ng	88
24) 2-Methylphenol	5.909	108	55735	46.74 ng	98
25) Acetophenone	6.032	105	78118	47.92 ng	76
26) Hexachloroethane	6.118	117	23341	46.10 ng	73
27) N-Nitroso-di-n-propyla...	6.038	70	39518	44.26 ng	62
28) 3&4-Methylphenol	6.032	108	55468	47.55 ng	94
31) Nitrobenzene	6.171	77	60350	47.04 ng	80
32) Isophorone	6.358	82	111688	44.08 ng	90
33) 2-Nitrophenol	6.422	139	29400	51.15 ng	86
34) 2,4-Dimethylphenol	6.449	107	61020	49.30 ng	98
35) Benzoic Acid	6.524	105	4402	18.22 ng	89
36) bis(2-Chloroethoxy)met...	6.524	93	65834	45.46 ng	97
37) 2,4-Dichlorophenol	6.604	162	46893	51.01 ng	89
38) 1,2,4-Trichlorobenzene	6.673	180	58723	53.14 ng	96
39) Naphthalene	6.732	128	166343	48.92 ng	99
40) 4-Chloroaniline	6.769	127	67656	50.46 ng	100
41) Hexachlorobutadiene	6.823	225	33021	55.54 ng	97
42) Caprolactam	7.042	113	18914	43.03 ng	67
43) 4-Chloro-3-methylphenol	7.133	107	50184	46.32 ng	86
44) 2-Methylnaphthalene	7.261	142	112323	48.73 ng	99
45) Methylnaphthalenes (To...	7.261	142	112323	48.73 ng	99
46) 1,1'-Biphenyl	7.635	154	138841	48.58 ng	94
48) 1,2,4,5-Tetrachloroben...	7.395	216	57385	55.82 ng	98
49) Hexachlorocyclopentadiene	7.389	237	25744	52.76 ng	96
50) 2,4,6-Trichlorophenol	7.485	196	34962	53.21 ng	98
51) 2,4,5-Trichlorophenol	7.512	196	37377	51.95 ng	96
53) 2-Chloronaphthalene	7.656	162	104735	51.08 ng	95
54) 1,4-Dimethylnaphthalene	7.934	156	79103	50.26 ng	94
55) Dimethylnaphthalenes (...	7.934	156	79103	50.26 ng	94
56) Diphenyl Ether	7.720	170	75993	50.75 ng	81
57) 2-Nitroaniline	7.736	65	34902	45.65 ng	45
58) Acenaphthylene	8.014	152	165984	48.99 ng	99
59) Dimethylphthalate	7.881	163	125321	51.46 ng	99
60) 2,6-Dinitrotoluene	7.939	165	27383	55.08 ng	64
61) Acenaphthene	8.164	153	102672	49.07 ng	98
62) 3-Nitroaniline	8.084	138	30115	53.55 ng	48
63) 2,4-Dinitrophenol	8.174	184	10911	47.87 ng	87
64) Dibenzofuran	8.319	168	147509	49.06 ng	89
65) 2,4-Dinitrotoluene	8.292	165	36958	53.05 ng	65

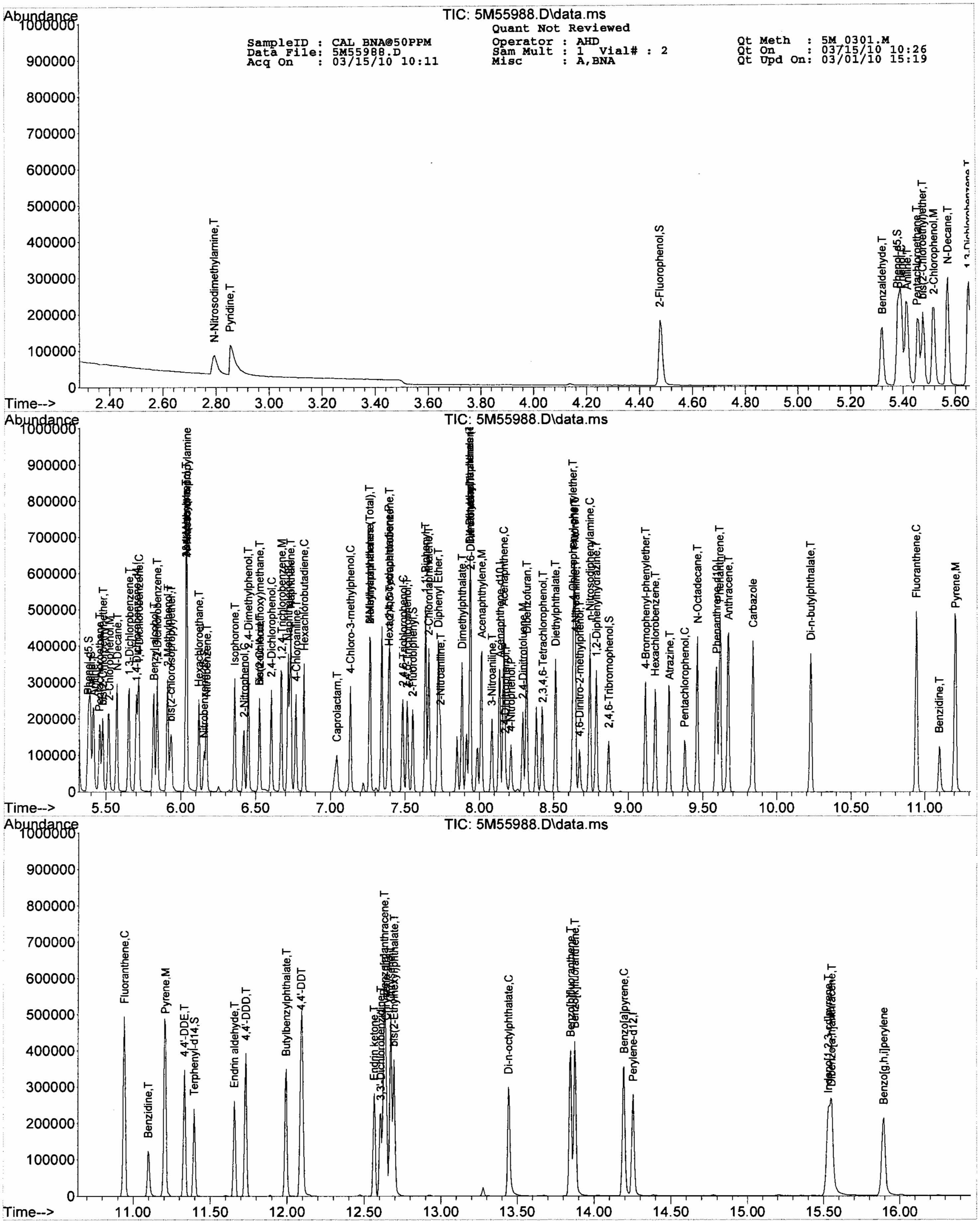
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55988.D Sam Mult : 1 Vial# : 2 Qt On : 03/15/10 10:26
Acq On : 03/15/10 10:11 Misc : A,BNA Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	4-Nitrophenol	8.212	65	18481	43.69	ng	72
67)	2,3,4,6-Tetrachlorophenol	8.426	232	30313	54.17	ng	83
68)	Fluorene	8.639	166	120921	50.33	ng	99
69)	4-Chlorophenyl-phenyle...	8.629	204	62592	51.42	ng	86
70)	Diethylphthalate	8.511	149	124331	50.45	ng	96
71)	4-Nitroaniline	8.645	138	31377	48.36	ng	80
72)	Atrazine	9.275	200	38706	51.81	ng	95
74)	4,6-Dinitro-2-methylph...	8.671	198	18101	48.31	ng	55
75)	n-Nitrosodiphenylamine	8.741	169	103805	49.35	ng	99
77)	1,2-Diphenylhydrazine	8.784	77	117931	43.18	ng	81
78)	4-Bromophenyl-phenylether	9.115	248	34909	51.85	ng	89
79)	Hexachlorobenzene	9.179	284	31727	53.35	ng	80
80)	N-Octadecane	9.462	57	64785	41.53	ng	64
81)	Pentachlorophenol	9.376	266	17333	51.10	ng	97
82)	Phenanthrene	9.612	178	188873	48.93	ng	99
83)	Anthracene	9.670	178	191596	50.07	ng	99
84)	Carbazole	9.836	167	171153	46.96	ng	98
85)	Di-n-butylphthalate	10.226	149	209337	48.10	ng	98
86)	Fluoranthene	10.942	202	214108	49.59	ng	89
88)	Pyrene	11.209	202	226670	48.41	ng	81
89)	Benzidine	11.097	184	55801	30.06	ng	85
91)	4,4'-DDE	11.332	246	44095	51.55	ng	90
92)	Endrin	11.658	81	8496	39.98	ng	35
93)	4,4'-DDD	11.732	235	73649	50.46	ng	93
94)	Butylbenzylphthalate	11.994	149	91100	44.82	ng	86
95)	Endrin aldehyde	11.658	67	4426	38.63	ng	71
96)	4,4'-DDT	12.090	235	63697	52.37	ng	98
97)	Endrin ketone	12.566	317	6912	50.73	ng	98
98)	3,3'-Dichlorobenzidine	12.609	252	56092	50.37	ng	95
99)	Benzo[a]anthracene	12.630	228	204129	47.07	ng	98
100)	Chrysene	12.673	228	194812	48.58	ng	99
101)	bis(2-Ethylhexyl)phtha...	12.694	149	116636	46.58	ng	93
103)	Di-n-octylphthalate	13.442	149	194193	44.68	ng	100
104)	Benzo[b]fluoranthene	13.848	252	170683	46.92	ng	93
105)	Benzo[k]fluoranthene	13.875	252	187828	52.25	ng	93
106)	Benzo[a]pyrene	14.195	252	174078	49.54	ng	90
107)	Indeno[1,2,3-cd]pyrene	15.531	276	171876	48.92	ng	82
108)	Dibenzo[a,h]anthracene	15.552	278	142315	49.67	ng	89
109)	Benzo[g,h,i]perylene	15.894	276	144885	48.83	ng	86

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


TIC: 5M55988.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M55988.D
Acq On : 03/15/10 10:11
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/15/10 10:26
Qt Upd On: 03/01/10 15:19
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
N-Decane,T
2-Chlorophenol,M
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
2,4,6-Tribromophenol,S
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,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
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M56022.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/16/2010 9:26:00 A 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	5.70	40.00	40				0.000	0.00	
Pyridine	1	0		2.85	34.44	50			1.795	1.236	31.12	
N-Nitrosodimethylamine	1	0		2.78	33.38	50			1.078	0.720	33.24	
2-Fluorophenol	1	0	S	4.48	43.81	50			1.433	1.256	12.38	
Benzaldehyde	1	0		5.32	25.87	50			1.076	0.710	48.26	
Aniline	1	0		5.41	45.14	50			2.171	1.960	9.72	
Pentachloroethane	1	0		5.46	44.61	50			0.450	0.401	10.78	
bis(2-Chloroethyl)ether	1	0		5.47	39.76	50			1.460	1.161	20.48	
Phenol-d5	1	0	S	5.38	42.25	50			1.985	1.678	15.50	
Phenol	1	0	CC	5.40	41.81	50	20		2.117	1.771	16.38	
2-Chlorophenol	1	0		5.51	48.86	50			1.409	1.377	2.28	
N-Decane	1	0		5.57	37.35	50			1.474	1.101	25.30	
1.3-Dichlorobenzene	1	0		5.65	47.60	50			1.509	1.436	4.80	
1.4-Dichlorobenzene	1	0	CC	5.71	50.31	50	20		1.526	1.535	0.62	
1.2-Dichlorobenzene	1	0		5.83	49.14	50			1.419	1.395	1.72	
Benzyl alcohol	1	0		5.81	45.59	50			0.981	0.894	8.82	
bis(2-chloroisopropyl)ether	1	0		5.93	35.04	50			1.723	1.208	29.92	
2-Methylphenol	1	0		5.91	46.36	50			1.346	1.248	7.28	
Acetophenone	1	0		6.03	49.36	50			1.840	1.816	1.28	
Hexachloroethane	1	0		6.11	46.40	50			0.572	0.530	7.20	
N-Nitroso-di-n-propylamine	1	0	CP	6.03	44.88	50	0.05		1.008	0.905	10.24	
3&4-Methylphenol	1	0		6.03	47.62	50			1.317	1.254	4.76	
Naphthalene-d8	1	0	I	6.71	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.15	24.61	25			0.171	0.168	1.56	
Nitrobenzene	1	0		6.17	45.01	50			0.388	0.349	9.98	
Isophorone	1	0		6.36	43.09	50			0.766	0.660	13.82	
2-Nitrophenol	1	0	CC	6.42	55.37	50	20		0.174	0.192	10.74	
2.4-Dimethylphenol	1	0		6.45	49.68	50			0.374	0.372	0.64	
Benzoic Acid	1	0		6.52	29.73	50			0.158	0.052	40.54	
bis(2-Chloroethoxy)methane	1	0		6.52	43.51	50			0.438	0.381	12.98	
2.4-Dichlorophenol	1	0	CC	6.60	51.81	50	20		0.278	0.288	3.62	
1.2.4-Trichlorobenzene	1	0		6.67	53.50	50			0.334	0.357	7.00	
Naphthalene	1	0		6.73	48.35	50			1.028	0.994	3.30	
4-Chloroaniline	1	0		6.76	50.93	50			0.345	0.412	1.86	
Hexachlorobutadiene	1	0	CC	6.82	56.62	50	20		0.180	0.204	13.24	
Caprolactam	1	0		7.04	46.45	50			0.133	0.123	7.10	
4-Chloro-3-methylphenol	1	0	CC	7.13	47.34	50	20		0.328	0.310	5.32	
2-Methylnaphthalene	1	0		7.26	48.76	50			0.697	0.680	2.48	
Methylnaphthalenes	1	0		7.26	48.76	50	20			0.680	2.48	
1.1'-Biphenyl	1	0		7.63	49.08	50			0.864	0.848	1.84	
Acenaphthene-d10	1	0	I	8.13	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.39	54.31	50			0.560	0.608	8.62	
Hexachlorocyclopentadiene	1	0	CP	7.38	52.42	50	0.05		0.262	0.279	4.84	
2.4.6-Trichlorophenol	1	0	CC	7.48	55.13	50	20		0.358	0.395	10.26	
2.4.5-Trichlorophenol	1	0		7.51	55.98	50			0.392	0.439	11.96	
2-Fluorobiphenyl	1	0	S	7.55	25.27	25			1.318	1.333	1.08	
2-Chloronaphthalene	1	0		7.66	49.83	50			1.117	1.113	0.34	
1.4-Dimethylnaphthalene	1	0		7.93	50.55	50			0.857	0.866	1.10	
Dimethylnaphthalenes	1	0		7.93	50.55	50	20			0.866	1.10	
Diphenyl Ether	1	0		7.72	50.66	50			0.815	0.826	1.32	
2-Nitroaniline	1	0		7.73	46.35	50			0.416	0.386	7.30	
Acenaphthylene	1	0		8.01	48.56	50			1.845	1.792	2.88	
Dimethylphthalate	1	0		7.88	51.14	50			1.326	1.356	2.28	
2.6-Dinitrotoluene	1	0		7.93	56.12	50			0.271	0.304	12.24	
Acenaphthene	1	0	CC	8.16	49.39	50	20		1.139	1.125	1.22	
3-Nitroaniline	1	0		8.08	53.74	50			0.306	0.329	7.48	
2.4-Dinitrophenol	1	0	CP	8.17	63.23	50	0.05		0.129	0.163	26.46	
Dibenzofuran	1	0		8.31	49.36	50			1.637	1.616	1.28	
2.4-Dinitrotoluene	1	0		8.29	55.48	50			0.379	0.421	10.96	
4-Nitrophenol	1	0	CP	8.22	49.32	50	0.05		0.230	0.227	1.36	
2.3.4.6-Tetrachlorophenol	1	0		8.42	55.78	50			0.305	0.340	11.56	
Fluorene	1	0		8.63	51.39	50			1.308	1.345	2.78	
4-Chlorophenyl-phenylether	1	0		8.62	52.32	50			0.663	0.694	4.64	
Diethylphthalate	1	0		8.51	51.48	50			1.342	1.382	2.96	
4-Nitroaniline	1	0		8.64	52.28	50			0.353	0.369	4.56	
Atrazine	1	0		9.27	54.18	50			0.407	0.441	8.36	
Phenanthrene-d10	1	0	I	9.58	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.67	56.48	50			0.106	0.126	12.96	
n-Nitrosodiphenylamine	1	0	CC	8.74	48.84	50	20		0.620	0.605	2.32	
2.4.6-Tribromophenol	1	0	S	8.86	59.43	50			0.062	0.074	18.86	

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:** 5M56022.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/16/2010 9:26:00 A 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		8.78	40.10	50			0.804	0.645	19.80	
4-Bromophenyl-phenylether	1	0		9.11	51.39	50			0.198	0.204	2.78	
Hexachlorobenzene	1	0		9.17	53.44	50			0.175	0.187	6.88	
N-Octadecane	1	0		9.46	38.62	50			0.459	0.355	22.76	
Pentachlorophenol	1	0	CC	9.38	46.03	50	20		0.100	0.091	7.94	
Phenanthrene	1	0		9.61	48.76	50			1.137	1.109	2.48	
Anthracene	1	0		9.66	49.76	50			1.127	1.122	0.48	
Carbazole	1	0		9.83	49.27	50			1.074	1.058	1.46	
Di-n-butylphthalate	1	0		10.22	50.51	50			1.282	1.295	1.02	
Fluoranthene	1	0	CC	10.94	51.82	50	20		1.272	1.318	3.64	
Chrysene-d12	1	0	I	12.64	40.00	40				0.000	0.00	
Pyrene	1	0		11.20	46.68	50			1.620	1.513	6.64	
Benzidine	1	0		11.10	39.12	50			0.443	0.486	21.76	
Terphenyl-d14	1	0	S	11.39	24.01	25			1.102	1.059	3.96	
4,4'-DDE	1	0		11.33	50.02				0.296			
Endrin	1	0		11.65	42.23	50			0.074	0.062	15.54	
4,4'-DDD	1	0		11.73	51.47				0.505			
Butylbenzylphthalate	1	0		11.99	46.97	50			0.704	0.661	6.06	
Endrin aldehyde	1	0		11.65	33.75				0.040			
4,4'-DDT	1	0		12.09	55.96				0.421			
Endrin ketone	1	0		12.56	54.22				0.047			
3,3'-Dichlorobenzidine	1	0		12.60	57.00	50			0.372	0.435	14.00	
Benzo[a]anthracene	1	0		12.62	48.04	50			1.501	1.442	3.92	
Chrysene	1	0		12.67	48.82	50			1.388	1.355	2.36	
bis(2-Ethylhexyl)phthalate	1	0		12.69	50.84	50			0.867	0.881	1.68	
Perylene-d12	1	0	I	14.25	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.44	50.91	50	20		1.555	1.583	1.82	
Benzo[b]fluoranthene	1	0		13.84	51.40	50			1.301	1.338	2.80	
Benzo[k]fluoranthene	1	0		13.87	47.73	50			1.286	1.227	4.54	
Benzo[a]pyrene	1	0	CC	14.19	48.46	50	20		1.257	1.218	3.08	
Indeno[1,2,3-cd]pyrene	1	0		15.53	49.31	50			1.257	1.240	1.38	
Dibenzo[a,h]anthracene	1	0		15.55	50.88	50			1.025	1.043	1.76	
Benzo[g,h,i]perylene	1	0		15.89	49.28	50			1.062	1.046	1.44	
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	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.697	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	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	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.857	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	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
Data File: 5M56022.D
Acq On : 03/16/10 09:26

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0301.M
Qt On : 03/16/10 09:41
Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.696	152	29881	40.00 ng	-0.11
29) Naphthalene-d8	6.711	136	114120	40.00 ng	-0.10
47) Acenaphthene-d10	8.132	164	65212	40.00 ng	-0.12
73) Phenanthrene-d10	9.585	188	125256	40.00 ng	-0.13
87) Chrysene-d12	12.641	240	116017	40.00 ng	-0.14
102) Perylene-d12	14.249	264	116522	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.478	112	46911	43.81 ng	-0.11
Spiked Amount 100.000			Recovery =	43.81%	
15) Phenol-d5	5.380	99	62659	42.25 ng	-0.10
Spiked Amount 100.000			Recovery =	42.25%	
30) Nitrobenzene-d5	6.150	128	12002	24.61 ng	-0.10
Spiked Amount 50.000			Recovery =	49.22%	
52) 2-Fluorobiphenyl	7.549	172	54324	25.27 ng	-0.11
Spiked Amount 50.000			Recovery =	50.54%	
76) 2,4,6-Tribromophenol	8.864	330	11598	59.43 ng	-0.12
Spiked Amount 100.000			Recovery =	59.43%	
90) Terphenyl-d14	11.391	244	76772	24.01 ng	-0.13
Spiked Amount 50.000			Recovery =	48.02%	
Target Compounds					Qvalue
8) Pyridine	2.848	79	46182	34.44 ng	65
9) N-Nitrosodimethylamine	2.779	74	26891	33.38 ng	68
11) Benzaldehyde	5.316	77	26529	25.87 ng	70
12) Aniline	5.413	93	73197	45.14 ng	73
13) Pentachloroethane	5.455	117	14993	44.61 ng	71
14) bis(2-Chloroethyl)ether	5.471	93	43349	39.76 ng	78
16) Phenol	5.397	94	66141	41.81 ng	85
17) 2-Chlorophenol	5.514	128	51428	48.86 ng	77
18) N-Decane	5.567	57	41120	37.35 ng	72
19) 1,3-Dichlorobenzene	5.648	146	53647	47.60 ng	98
20) 1,4-Dichlorobenzene	5.712	146	57343	50.31 ng	98
21) 1,2-Dichlorobenzene	5.835	146	52102	49.14 ng	97
22) Benzyl alcohol	5.813	108	33399	45.59 ng	75
23) bis(2-chloroisopropyl)...	5.925	45	45104	35.04 ng	89
24) 2-Methylphenol	5.909	108	46610	46.36 ng	96
25) Acetophenone	6.027	105	67836	49.36 ng	68
26) Hexachloroethane	6.112	117	19808	46.40 ng	70
27) N-Nitroso-di-n-propyla...	6.032	70	33791	44.88 ng	62
28) 3&4-Methylphenol	6.032	108	46835	47.62 ng	97
31) Nitrobenzene	6.166	77	49809	45.01 ng	79
32) Isophorone	6.358	82	94184	43.09 ng	82
33) 2-Nitrophenol	6.417	139	27452	55.37 ng	87
34) 2,4-Dimethylphenol	6.449	107	53046	49.68 ng	99
35) Benzoic Acid	6.518	105	7386m	29.73 ng	
36) bis(2-Chloroethoxy)met...	6.518	93	54349	43.51 ng	98
37) 2,4-Dichlorophenol	6.604	162	41080	51.81 ng	86
38) 1,2,4-Trichlorobenzene	6.668	180	50996	53.50 ng	97
39) Naphthalene	6.727	128	141849	48.35 ng	99
40) 4-Chloroaniline	6.764	127	58840	50.93 ng	100
41) Hexachlorobutadiene	6.818	225	29038	56.62 ng	96
42) Caprolactam	7.042	113	17611	46.45 ng	61
43) 4-Chloro-3-methylphenol	7.133	107	44248	47.34 ng	85
44) 2-Methylnaphthalene	7.261	142	96949	48.76 ng	97
45) Methylnaphthalenes (To...	7.261	142	96949	48.76 ng	97
46) 1,1'-Biphenyl	7.630	154	120998	49.08 ng	94
48) 1,2,4,5-Tetrachloroben...	7.389	216	49564	54.31 ng	99
49) Hexachlorocyclopentadiene	7.384	237	22703	52.42 ng	98
50) 2,4,6-Trichlorophenol	7.480	196	32162	55.13 ng	98
51) 2,4,5-Trichlorophenol	7.512	196	35755	55.98 ng	100
53) 2-Chloronaphthalene	7.656	162	90706	49.83 ng	93
54) 1,4-Dimethylnaphthalene	7.934	156	70621	50.55 ng	89
55) Dimethylnaphthalenes (...	7.934	156	70621	50.55 ng	89
56) Diphenyl Ether	7.715	170	67346	50.66 ng	81
57) 2-Nitroaniline	7.731	65	31462	46.35 ng	48
58) Acenaphthylene	8.009	152	146067	48.56 ng	99
59) Dimethylphthalate	7.875	163	110555	51.14 ng	98
60) 2,6-Dinitrotoluene	7.934	165	24767	56.12 ng	63
61) Acenaphthene	8.158	153	91738	49.39 ng	95
62) 3-Nitroaniline	8.084	138	26830	53.74 ng	51
63) 2,4-Dinitrophenol	8.174	184	13311	63.23 ng	77
64) Dibenzofuran	8.313	168	131759	49.36 ng	89
65) 2,4-Dinitrotoluene	8.287	165	34309	55.48 ng	67

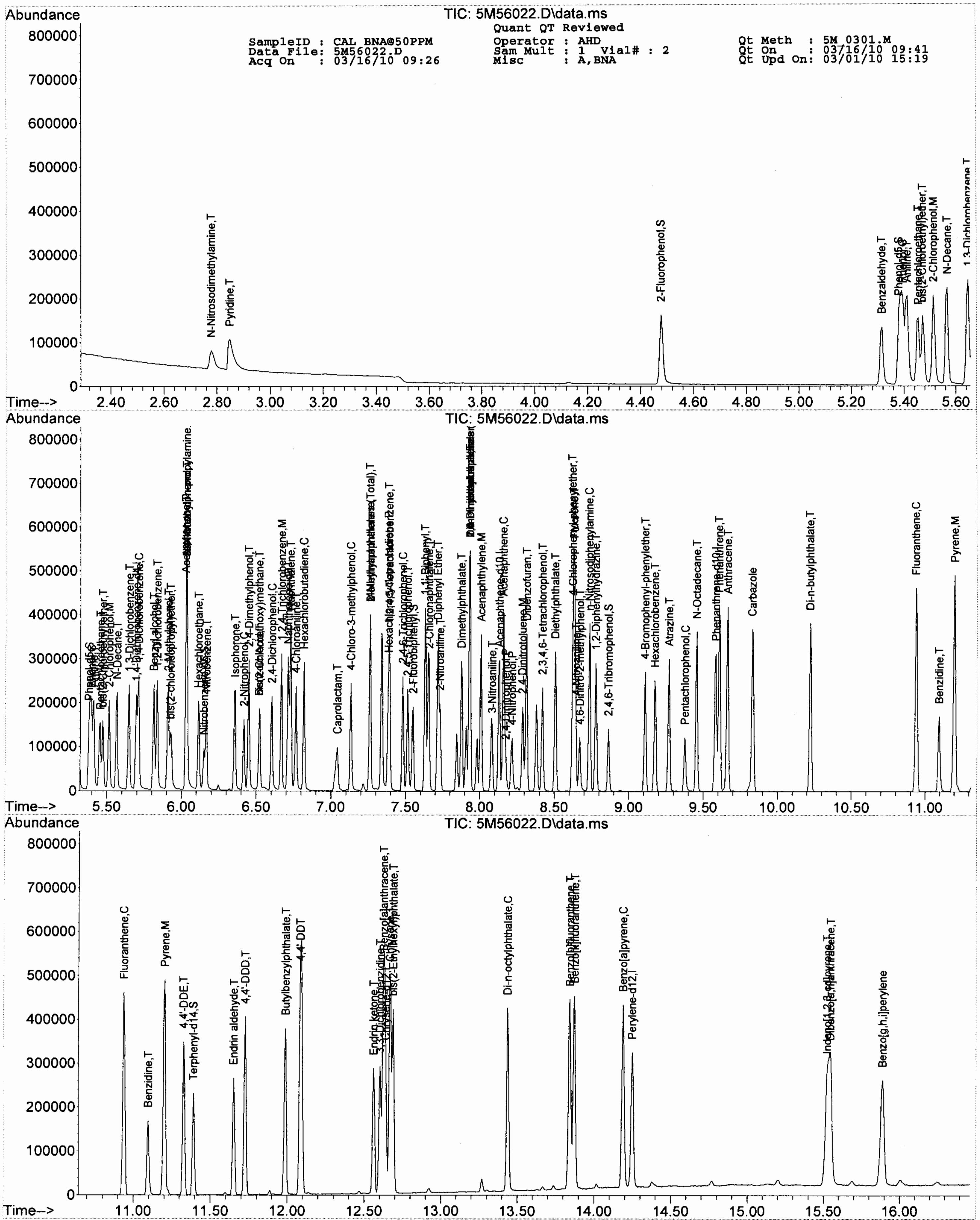
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM   Operator : AHD   Qt Meth : 5M_0301.M
Data File: 5M56022.D   Sam Mult : 1 Vial# : 2   Qt On : 03/16/10 09:41
Acq On : 03/16/10 09:26   Misc : A,BNA   Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	4-Nitrophenol	8.217	65	18524	49.32	ng	61
67)	2,3,4,6-Tetrachlorophenol	8.420	232	27708	55.78	ng	83
68)	Fluorene	8.634	166	109602	51.39	ng	100
69)	4-Chlorophenyl-phenyle...	8.623	204	56541	52.32	ng	86
70)	Diethylphthalate	8.506	149	112627	51.48	ng	96
71)	4-Nitroaniline	8.645	138	30114	52.28	ng	82
72)	Atrazine	9.270	200	35935	54.18	ng	95
74)	4,6-Dinitro-2-methylph...	8.671	198	19670	56.48	ng	58
75)	n-Nitrosodiphenylamine	8.735	169	94752	48.84	ng	99
77)	1,2-Diphenylhydrazine	8.778	77	101002	40.10	ng	79
78)	4-Bromophenyl-phenylether	9.109	248	31908	51.39	ng	90
79)	Hexachlorobenzene	9.173	284	29314	53.44	ng	80
80)	N-Octadecane	9.457	57	55564	38.62	ng	64
81)	Pentachlorophenol	9.376	266	14303	46.03	ng	99
82)	Phenanthrene	9.606	178	173592	48.76	ng	99
83)	Anthracene	9.665	178	175619	49.76	ng	99
84)	Carbazole	9.831	167	165634	49.27	ng	99
85)	Di-n-butylphthalate	10.221	149	202755	50.51	ng	98
86)	Fluoranthene	10.936	202	206346	51.82	ng	88
88)	Pyrene	11.204	202	219404	46.68	ng	81
89)	Benzidine	11.097	184	70443	39.12	ng	83
91)	4,4'-DDE	11.326	246	42943	50.02	ng	91
92)	Endrin	11.652	81	9009	42.23	ng	35
93)	4,4'-DDD	11.727	235	75405	51.47	ng	93
94)	Butylbenzylphthalate	11.989	149	95850	46.97	ng	84
95)	Endrin aldehyde	11.652	67	3881	33.75	ng	68
96)	4,4'-DDT	12.085	235	68322	55.96	ng	99
97)	Endrin ketone	12.560	317	7416	54.22	ng	98
98)	3,3'-Dichlorobenzidine	12.603	252	63093	57.00	ng	96
99)	Benzo[a]anthracene	12.625	228	209117	48.04	ng	100
100)	Chrysene	12.667	228	196537	48.82	ng	99
101)	bis(2-Ethylhexyl)phtha...	12.689	149	127777	50.84	ng	95
103)	Di-n-octylphthalate	13.437	149	230593	50.91	ng	99
104)	Benzo[b]fluoranthene	13.843	252	194834	51.40	ng	92
105)	Benzo[k]fluoranthene	13.875	252	178783	47.73	ng	90
106)	Benzo[a]pyrene	14.190	252	177448	48.46	ng	91
107)	Indeno[1,2,3-cd]pyrene	15.525	276	180551	49.31	ng	80
108)	Dibenzo[a,h]anthracene	15.547	278	151906	50.88	ng	90
109)	Benzo[g,h,i]perylene	15.889	276	152393	49.28	ng	85

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


TIC: 5M56022.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M56022.D
Acq On : 03/16/10 09:26
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0301.M
Qt On : 03/16/10 09:41
Qt Upd On: 03/01/10 15:19
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Dibenzofuran,T
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
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
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10007.D
Analysis Date: 02/17/10 08:45
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.739 to 9.750 min

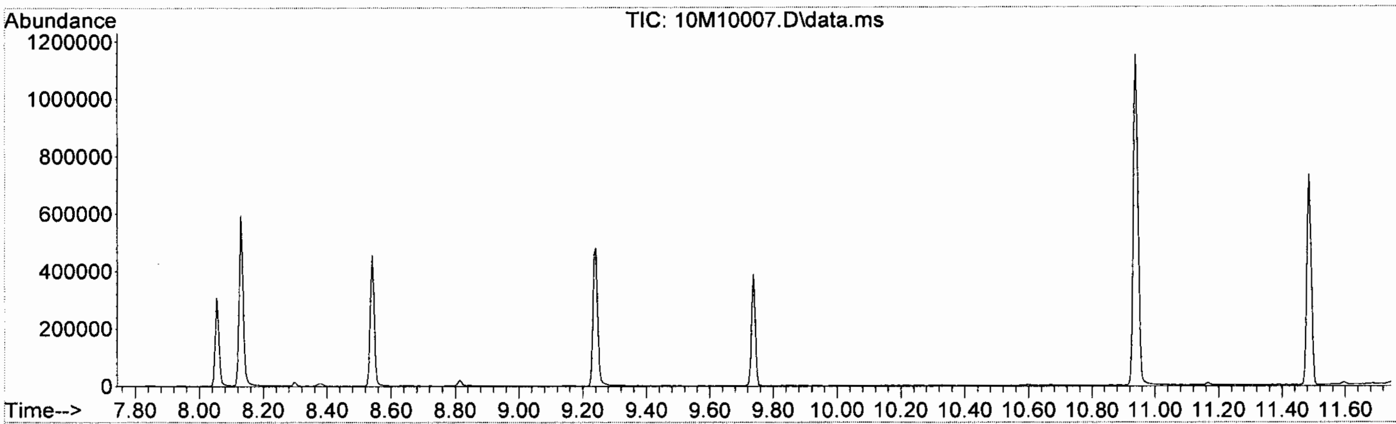
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	44.5	12439	PASS
68	69	0.00	2	1.3	152	PASS
69	198	0.00	100	40.8	11425	PASS
70	69	0.00	2	0.4	51	PASS
127	198	40	60	49.2	13755	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27970	PASS
199	198	5	9	6.5	1827	PASS
275	198	10	30	19.6	5487	PASS
365	198	1	100	1.9	518	PASS
441	443	0.01	100	72.3	2344	PASS
442	198	40	100	58.0	16227	PASS
443	442	17	23	20.0	3241	PASS

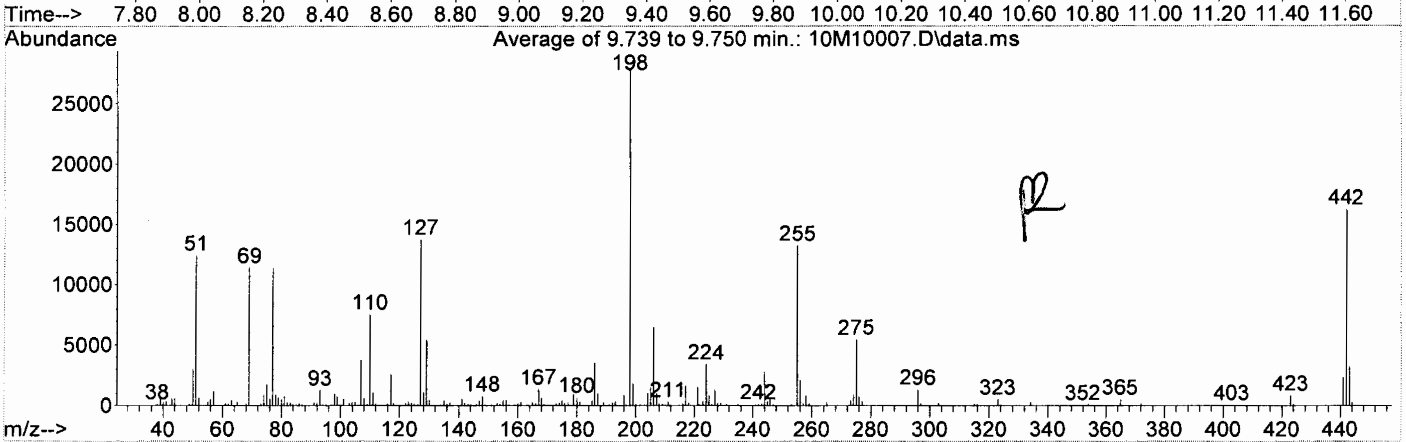
Data File	Sample Number	Analysis Date:
10M10008.D	CAL BNA@50PPM	02/17/10 09:10
10M10009.D	CAL BNA@2PPM	02/17/10 09:32
10M10010.D	CAL BNA@10PPM	02/17/10 09:57
10M10011.D	CAL BNA@20PPM	02/17/10 10:19
10M10012.D	CAL BNA@80PPM	02/17/10 10:41
10M10013.D	CAL BNA@120PP	02/17/10 11:03
10M10014.D	CAL BNA@160PP	02/17/10 11:25
10M10015.D	CAL BNA@196PP	02/17/10 11:47
10M10016.D	CAL BNA@2PPM	02/17/10 12:57
10M10017.D	CAL BNA@50PPM	02/17/10 13:23
10M10018.D	ICV BNA@50PPM	02/17/10 13:45
10M10019.D	SMB4418	02/17/10 15:08
10M10020.D	SMB4418(MS)	02/17/10 15:30
10M10021.D	AC49768-001	02/17/10 15:53
10M10022.D	SMB4417	02/17/10 16:15
10M10023.D	AC49773-026	02/17/10 16:37
10M10024.D	AC49773-027	02/17/10 17:00

Data Path : G:\GcMsData\2010\GCMS_10\Data\02-17-10\
Data File : 10M10007.D
Acq On : 17 Feb 2010 8:45
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_10\METHODQT\10M_0212.M
Title : @GCMS_10,mg,625,8270
Last Update : Fri Feb 12 15:25:58 2010





Spectrum Information: Average of 9.739 to 9.750 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.5	12439	PASS
68	69	0.00	2	1.3	152	PASS
69	198	0.00	100	40.8	11425	PASS
70	69	0.00	2	0.4	51	PASS
127	198	40	60	49.2	13755	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27970	PASS
199	198	5	9	6.5	1827	PASS
275	198	10	30	19.6	5487	PASS
365	198	1	100	1.9	518	PASS
441	443	0.01	100	72.3	2344	PASS
442	198	40	100	58.0	16227	PASS
443	442	17	23	20.0	3241	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M55791.D
Analysis Date: 03/01/10 08:13
Method: EPA 8270C

Tune Scan/Time Range: Average of 10.028 to 10.044 min

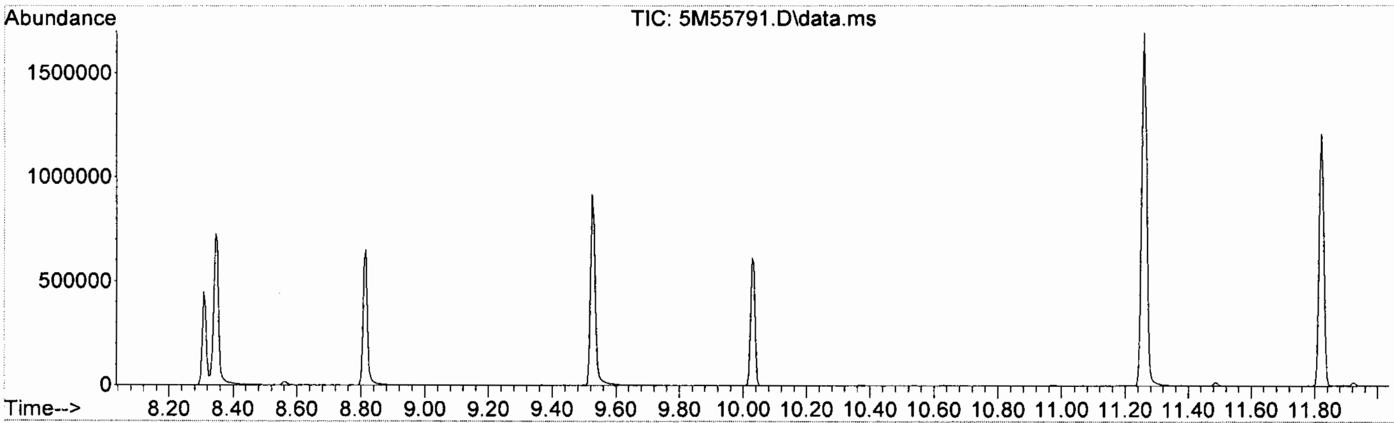
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.7	15485	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.5	17675	PASS
70	69	0.00	2	0.6	104	PASS
127	198	40	60	47.6	21889	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45963	PASS
199	198	5	9	6.7	3094	PASS
275	198	10	30	20.4	9380	PASS
365	198	1	100	1.9	877	PASS
441	443	0.01	100	83.2	3470	PASS
442	198	40	100	47.3	21730	PASS
443	442	17	23	19.2	4170	PASS

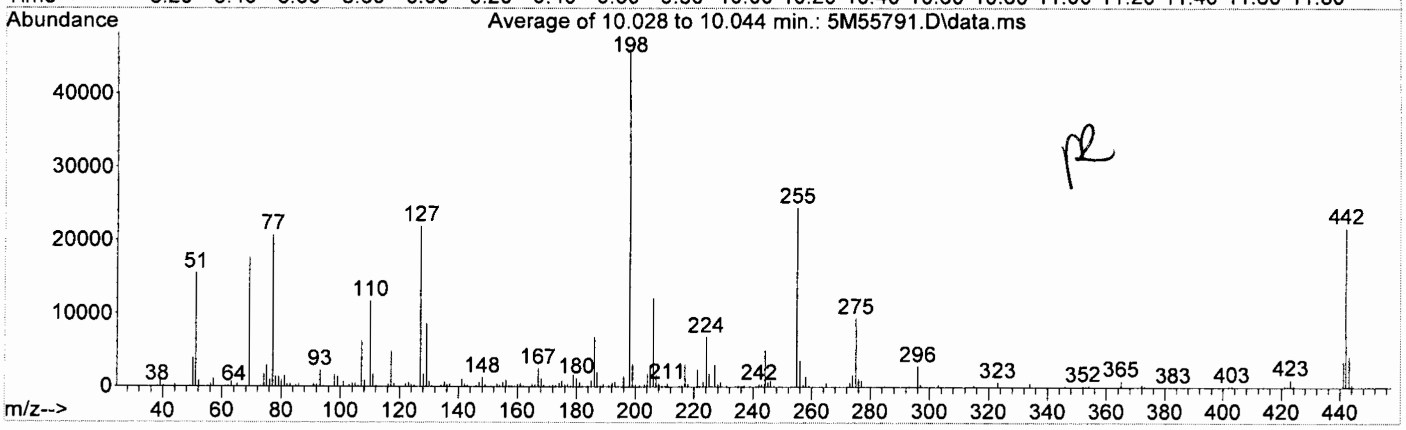
Data File	Sample Number	Analysis Date:
5M55792.D	CAL BNA@50PPM	03/01/10 08:37
5M55793.D	CAL BNA@50PPM	03/01/10 09:02
5M55794.D	CAL BNA@2PPM	03/01/10 09:27
5M55795.D	CAL BNA@10PPM	03/01/10 09:49
5M55796.D	CAL BNA@20PPM	03/01/10 10:11
5M55797.D	CAL BNA@80PPM	03/01/10 10:57
5M55798.D	CAL BNA@120PP	03/01/10 11:19
5M55799.D	CAL BNA@160PP	03/01/10 11:41
5M55800.D	CAL BNA@196PP	03/01/10 12:04
5M55801.D	CAL BNA@20PPM	03/01/10 12:34
5M55802.D	CAL BNA@10PPM	03/01/10 13:17
5M55803.D	CAL BNA@50PPM	03/01/10 13:39
5M55804.D	CAL BNA@80PPM	03/01/10 14:29
5M55805.D	ICV BNA@50PPM	03/01/10 14:51

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-01-10\
Data File : 5M55791.D
Acq On : 1 Mar 2010 8:13
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0212.M
Title : @GCMS_5,mg,625,8270
Last Update : Fri Feb 12 13:54:03 2010





Spectrum Information: Average of 10.028 to 10.044 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.7	15485	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.5	17675	PASS
70	69	0.00	2	0.6	104	PASS
127	198	40	60	47.6	21889	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45963	PASS
199	198	5	9	6.7	3094	PASS
275	198	10	30	20.4	9380	PASS
365	198	1	100	1.9	877	PASS
441	443	0.01	100	83.2	3470	PASS
442	198	40	100	47.3	21730	PASS
443	442	17	23	19.2	4170	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23467.D
Analysis Date: 03/01/10 08:42
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.363 to 9.373 min

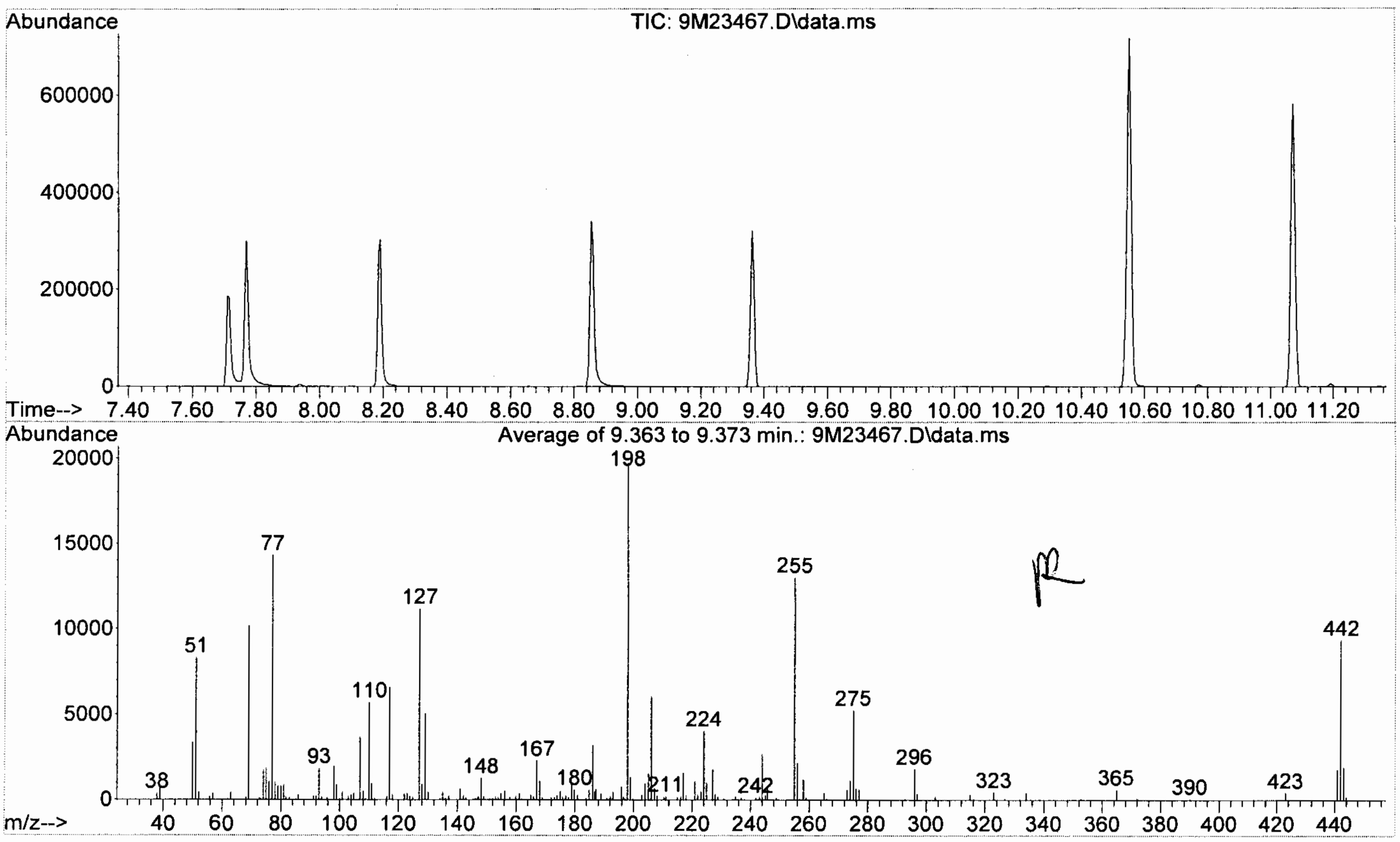
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.1	8304	PASS
68	69	0.00	2	1.4	143	PASS
69	198	0.00	100	51.7	10189	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.7	11178	PASS
197	198	0.00	1	0.4	79	PASS
198	198	100	100	100.0	19703	PASS
199	198	5	9	6.8	1332	PASS
275	198	10	30	26.6	5235	PASS
365	198	1	100	3.0	598	PASS
441	443	0.01	100	93.2	1780	PASS
442	198	40	100	47.4	9343	PASS
443	442	17	23	20.4	1910	PASS

Data File	Sample Number	Analysis Date:
9M23468.D	CAL BNA@50PPM	03/01/10 09:05
9M23469.D	CAL BNA@2PPM	03/01/10 09:34
9M23470.D	CAL BNA@10PPM	03/01/10 09:57
9M23471.D	CAL BNA@20PPM	03/01/10 10:20
9M23472.D	CAL BNA@80PPM	03/01/10 10:43
9M23473.D	CAL BNA@120PP	03/01/10 11:05
9M23474.D	CAL BNA@160PP	03/01/10 11:28
9M23475.D	CAL BNA@196PP	03/01/10 11:51
9M23476.D	CAL BNA@50PPM	03/01/10 12:44
9M23477.D	ICV BNA@50PPM	03/01/10 13:06
9M23478.D	SMB4427(MS)	03/01/10 13:45
9M23479.D	SMB4427	03/01/10 14:08
9M23480.D	OMB1357	03/01/10 14:30
9M23481.D	OMB1357(MS)	03/01/10 14:53
9M23482.D	SMB4425	03/01/10 15:15
9M23483.D	AC50015-006(2X)	03/01/10 15:38
9M23484.D	AC49952-001(5X)	03/01/10 16:01
9M23485.D	AC49987-013	03/01/10 16:23
9M23486.D	AC49987-014	03/01/10 16:46
9M23487.D	AC49987-015	03/01/10 17:08
9M23488.D	AC49987-016	03/01/10 17:31
9M23489.D	AC49987-024	03/01/10 17:53
9M23490.D	AC49987-028	03/01/10 18:16
9M23491.D	AC49987-029	03/01/10 18:39
9M23492.D	AC49968-001(3X)(	03/01/10 19:01
9M23493.D	AC49995-001(2X)	03/01/10 19:24
9M23494.D	AC50048-002(20X)	03/01/10 19:47
9M23495.D	AC50049-001(20X)	03/01/10 20:10
9M23496.D	AC50049-002(20X)	03/01/10 20:32
9M23497.D	AC50049-003(20X)	03/01/10 20:55

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-01-10\
Data File : 9M23467.D
Acq On : 1 Mar 2010 8:42
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0225.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Jan 26 13:16:11 2010



Spectrum Information: Average of 9.363 to 9.373 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	8304	PASS
68	69	0.00	2	1.4	143	PASS
69	198	0.00	100	51.7	10189	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.7	11178	PASS
197	198	0.00	1	0.4	79	PASS
198	198	100	100	100.0	19703	PASS
199	198	5	9	6.8	1332	PASS
275	198	10	30	26.6	5235	PASS
365	198	1	100	3.0	598	PASS
441	443	0.01	100	93.2	1780	PASS
442	198	40	100	47.4	9343	PASS
443	442	17	23	20.4	1910	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10399.D
Analysis Date: 03/09/10 08:53
Method: EPA 8270C

Tune Scan/Time Range: Scan 1403

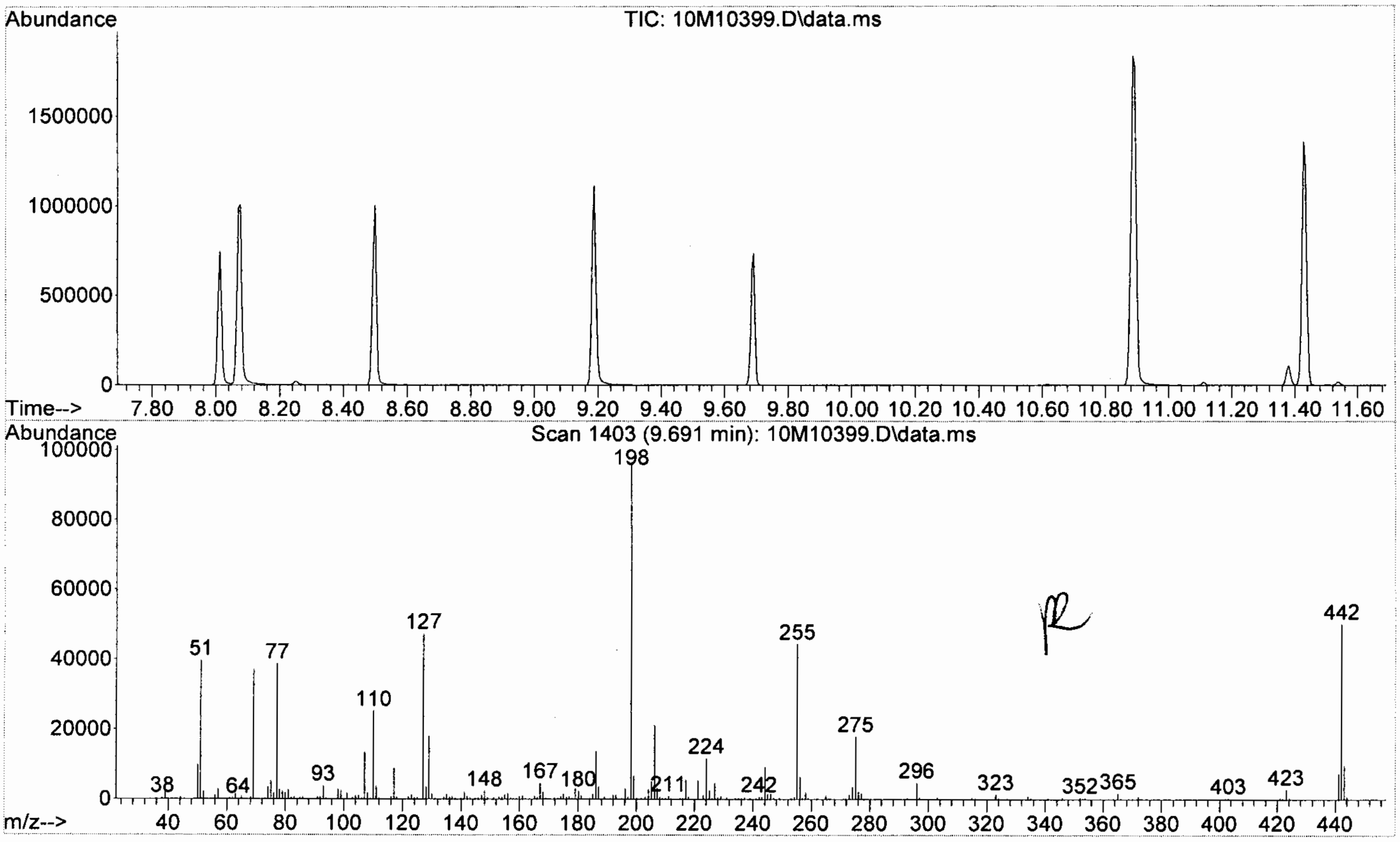
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.1	39608	PASS
68	69	0.00	2	1.4	536	PASS
69	198	0.00	100	38.5	37128	PASS
70	69	0.00	2	0.6	210	PASS
127	198	40	60	49.0	47248	PASS
197	198	0.00	1	0.6	603	PASS
198	198	100	100	100.0	96464	PASS
199	198	5	9	6.9	6617	PASS
275	198	10	30	18.6	17936	PASS
365	198	1	100	1.8	1718	PASS
441	443	0.01	100	75.6	7356	PASS
442	198	40	100	52.0	50160	PASS
443	442	17	23	19.4	9728	PASS

Data File	Sample Number	Analysis Date:
10M10400.D	CAL BNA@50PPM	03/09/10 09:21
10M10401.D	WMB4433	03/09/10 09:48
10M10402.D	WMB4433(MS)	03/09/10 10:10
10M10403.D	AC50102-001(T)	03/09/10 10:32
10M10404.D	AC50102-001(MS)(	03/09/10 10:55
10M10405.D	AC50102-001(MSD	03/09/10 11:17
10M10406.D	AC50088-002	03/09/10 11:40
10M10407.D	WMB4433	03/09/10 12:02
10M10408.D	AC50105-001(R)	03/09/10 12:24
10M10409.D	AC50105-002(R)	03/09/10 12:47
10M10410.D	AC50105-003(R)	03/09/10 13:09
10M10411.D	AC50105-004(R)	03/09/10 13:31
10M10412.D	TEST	03/09/10 14:16
10M10413.D	SMB4435(MS)	03/09/10 14:57
10M10414.D	SMB4435	03/09/10 15:19
10M10415.D	WMB4434(MS)	03/09/10 15:41
10M10416.D	WMB4434	03/09/10 16:10
10M10417.D	AC50177-006	03/09/10 16:32
10M10418.D	AC50177-006(MS)	03/09/10 16:55
10M10419.D	AC50177-006(MSD	03/09/10 17:17
10M10420.D	AC50177-001	03/09/10 17:39
10M10421.D	AC49930-022	03/09/10 18:02
10M10422.D	AC50177-002	03/09/10 18:24
10M10423.D	AC50177-003	03/09/10 18:46
10M10424.D	AC50177-004	03/09/10 19:08
10M10425.D	AC50177-005	03/09/10 19:30
10M10426.D	AC50177-007	03/09/10 19:52
10M10427.D	AC50177-008	03/09/10 20:14
10M10428.D	AC50179-001	03/09/10 20:36
10M10429.D	AC50179-002	03/09/10 20:58
10M10430.D	AC50181-002	03/09/10 21:20

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-09-10\
Data File : 10M10399.D
Acq On : 9 Mar 2010 8:53
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_10\METHODQT\10M_0217.M
Title : @GCMS_10,mg,625,8270
Last Update : Thu Feb 18 08:37:08 2010



Spectrum Information: Scan 1403

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.1	39608	PASS
68	69	0.00	2	1.4	536	PASS
69	198	0.00	100	38.5	37128	PASS
70	69	0.00	2	0.6	210	PASS
127	198	40	60	49.0	47248	PASS
197	198	0.00	1	0.6	603	PASS
198	198	100	100	100.0	96464	PASS
199	198	5	9	6.9	6617	PASS
275	198	10	30	18.6	17936	PASS
365	198	1	100	1.8	1718	PASS
441	443	0.01	100	75.6	7356	PASS
442	198	40	100	52.0	50160	PASS
443	442	17	23	19.4	9728	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23651.D
Analysis Date: 03/10/10 08:31
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.198 to 9.204 min

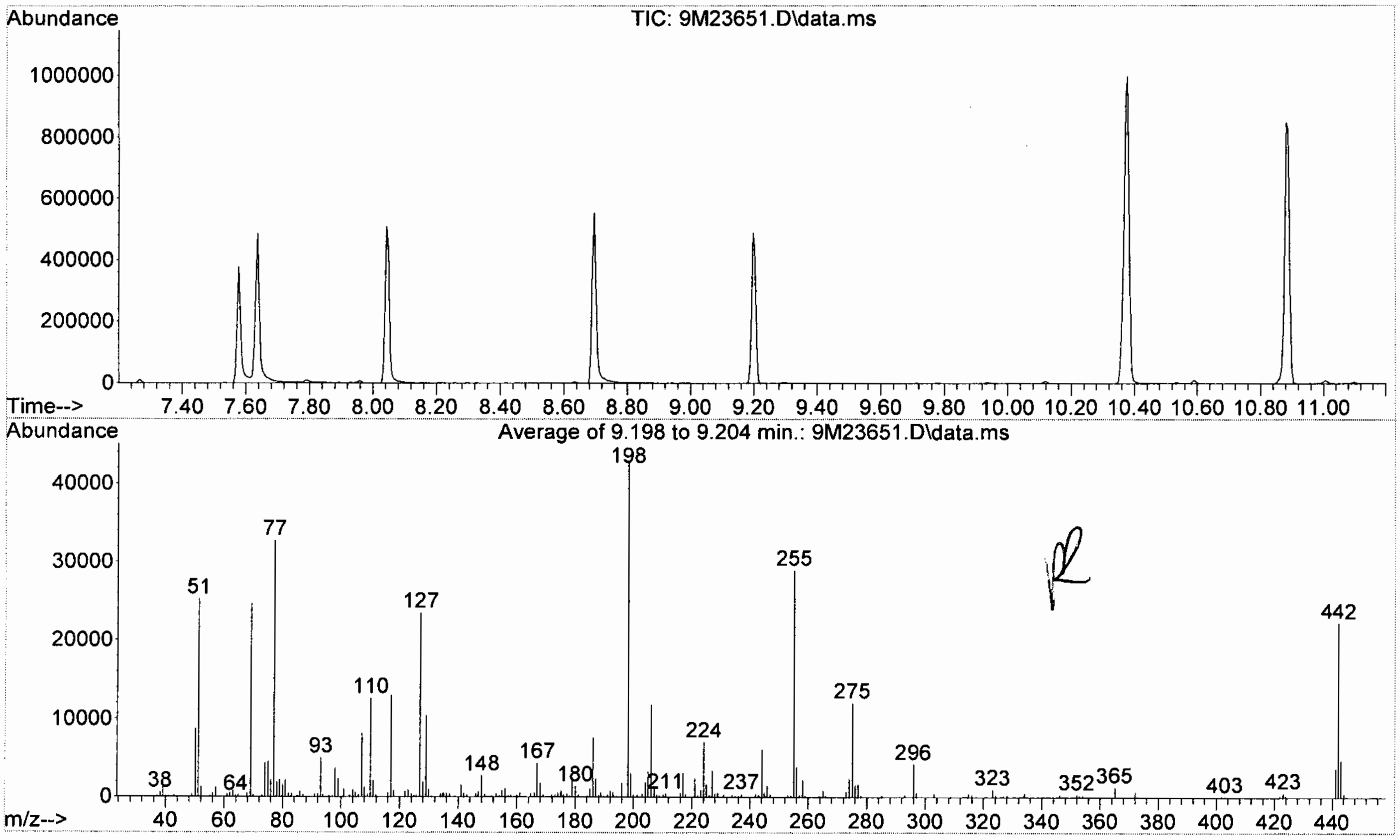
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	58.9	25288	PASS
68	69	0.00	2	2.0	486	PASS
69	198	0.00	100	57.5	24684	PASS
70	69	0.00	2	1.2	304	PASS
127	198	40	60	54.7	23508	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	42948	PASS
199	198	5	9	7.1	3039	PASS
275	198	10	30	28.1	12067	PASS
365	198	1	100	3.0	1305	PASS
441	443	0.01	100	78.0	3693	PASS
442	198	40	100	51.9	22280	PASS
443	442	17	23	21.2	4732	PASS

Data File	Sample Number	Analysis Date:
9M23652.D	CAL BNA@50PPM	03/10/10 08:56
9M23653.D	TEST	03/10/10 09:18
9M23654.D	AC50217-008	03/10/10 09:41
9M23655.D	AC50217-014	03/10/10 10:04
9M23656.D	AC50217-012	03/10/10 10:27
9M23657.D	AC50176-001	03/10/10 10:50
9M23658.D	AC50176-004	03/10/10 11:13
9M23659.D	AC50083-001	03/10/10 11:35
9M23660.D	AC50069-004	03/10/10 11:58
9M23661.D	AC50176-003	03/10/10 12:21
9M23662.D	AC50083-001(10X)	03/10/10 12:44
9M23663.D	AC50069-004(20X)	03/10/10 13:06
9M23664.D	SMB4436	03/10/10 15:30
9M23665.D	MBS TEST	03/10/10 15:53
9M23666.D	AC50199-001(2X)	03/10/10 16:59
9M23667.D	AC50199-002	03/10/10 17:22
9M23668.D	AC50217-002	03/10/10 17:45
9M23669.D	AC50217-004	03/10/10 18:08
9M23670.D	AC50217-006	03/10/10 18:30
9M23671.D	AC50217-022	03/10/10 18:53
9M23672.D	AC50217-020	03/10/10 19:16
9M23673.D	AC50217-024	03/10/10 19:39
9M23674.D	AC50217-026	03/10/10 20:02
9M23675.D	AC50199-003(10X)	03/10/10 20:25

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23651.D
Acq On : 10 Mar 2010 8:31
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Mar 01 13:49:45 2010



Spectrum Information: Average of 9.198 to 9.204 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	58.9	25288	PASS
68	69	0.00	2	2.0	486	PASS
69	198	0.00	100	57.5	24684	PASS
70	69	0.00	2	1.2	304	PASS
127	198	40	60	54.7	23508	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	42948	PASS
199	198	5	9	7.1	3039	PASS
275	198	10	30	28.1	12067	PASS
365	198	1	100	3.0	1305	PASS
441	443	0.01	100	78.0	3693	PASS
442	198	40	100	51.9	22280	PASS
443	442	17	23	21.2	4732	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M10431.D
Analysis Date: 03/10/10 08:38
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.680 to 9.696 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.9	31192	PASS
68	69	0.00	2	1.3	379	PASS
69	198	0.00	100	41.4	29426	PASS
70	69	0.00	2	0.4	110	PASS
127	198	40	60	50.5	35896	PASS
197	198	0.00	1	0.5	344	PASS
198	198	100	100	100.0	71080	PASS
199	198	5	9	6.6	4711	PASS
275	198	10	30	19.7	14029	PASS
365	198	1	100	1.9	1381	PASS
441	443	0.01	100	72.7	5651	PASS
442	198	40	100	55.9	39707	PASS
443	442	17	23	19.6	7774	PASS

Data File	Sample Number	Analysis Date:
10M10432.D	CAL BNA@50PPM	03/10/10 09:00
10M10433.D	AC50140-002(T)	03/10/10 09:23
10M10434.D	AC50140-004(T)	03/10/10 09:45
10M10435.D	AC50137-002	03/10/10 10:08
10M10436.D	SMB4435(MS)	03/10/10 10:30
10M10437.D	AC50217-010	03/10/10 10:52
10M10438.D	AC50217-010(MS)	03/10/10 11:15
10M10439.D	AC50217-010(MSD	03/10/10 11:37
10M10440.D	AC50069-003	03/10/10 11:59
10M10441.D	AC50122-005	03/10/10 12:22
10M10442.D	SMB4436(MS)	03/10/10 15:32
10M10443.D	SMB4436	03/10/10 15:54
10M10444.D	WMB4435(MS)	03/10/10 16:16
10M10445.D	WMB4435	03/10/10 16:38
10M10446.D	AC50149-001(R)	03/10/10 17:01
10M10447.D	AC50147-001	03/10/10 17:23
10M10448.D	AC50147-001(MS)	03/10/10 17:45
10M10449.D	AC50147-001(MSD	03/10/10 18:08
10M10450.D	AC50217-016	03/10/10 18:30
10M10451.D	AC50217-018	03/10/10 18:52
10M10452.D	AC50196-004	03/10/10 19:15
10M10453.D	AC50196-005	03/10/10 19:37
10M10454.D	AC50165-006	03/10/10 20:00
10M10455.D	AC50166-001	03/10/10 20:22
10M10456.D	AC50166-002	03/10/10 20:45
10M10457.D	AC50166-003	03/10/10 21:07
10M10458.D	AC50166-004	03/10/10 21:30
10M10459.D	AC50166-005	03/10/10 21:52
10M10460.D	AC50166-006	03/10/10 22:15
10M10461.D	AC50166-007	03/10/10 22:38
10M10462.D	AC50166-008	03/10/10 23:00

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Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Data File : 10M10431.D
Acq On    : 10 Mar 2010   8:38
Operator  : AHD
Sample    : CAL DFTPP
Misc      : A,BNA
ALS Vial  : 1   Sample Multiplier: 1

Integration File: RTEINT.P

Method    : G:\GCMSDATA\2010\GCMS_10\METHODQT\10M_0217.M
Title     : @GCMS_10,mg,625,8270
Last Update  : Thu Feb 18 08:37:08 2010
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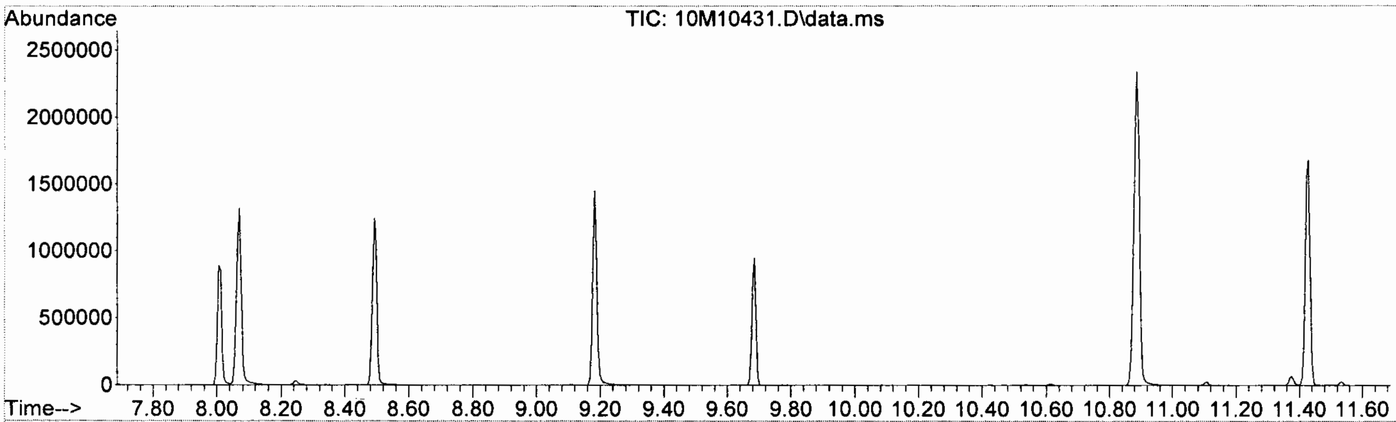

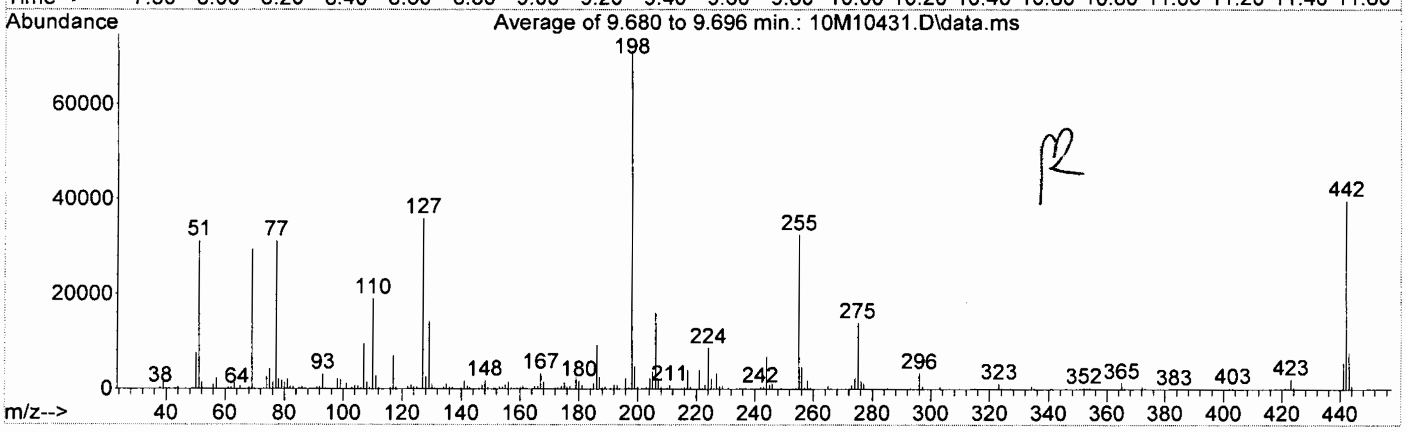

Spectrum Information: Average of 9.680 to 9.696 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.9	31192	PASS
68	69	0.00	2	1.3	379	PASS
69	198	0.00	100	41.4	29426	PASS
70	69	0.00	2	0.4	110	PASS
127	198	40	60	50.5	35896	PASS
197	198	0.00	1	0.5	344	PASS
198	198	100	100	100.0	71080	PASS
199	198	5	9	6.6	4711	PASS
275	198	10	30	19.7	14029	PASS
365	198	1	100	1.9	1381	PASS
441	443	0.01	100	72.7	5651	PASS
442	198	40	100	55.9	39707	PASS
443	442	17	23	19.6	7774	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M23676.D
Analysis Date: 03/11/10 08:36
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.188 to 9.198 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	53.8	20509	PASS
68	69	0.00	2	0.7	142	PASS
69	198	0.00	100	53.0	20181	PASS
70	69	0.00	2	0.3	68	PASS
127	198	40	60	52.6	20065	PASS
197	198	0.00	1	0.6	223	PASS
198	198	100	100	100.0	38111	PASS
199	198	5	9	6.8	2578	PASS
275	198	10	30	28.0	10685	PASS
365	198	1	100	3.4	1293	PASS
441	443	0.01	100	83.6	4053	PASS
442	198	40	100	66.8	25476	PASS
443	442	17	23	19.0	4849	PASS

Data File	Sample Number	Analysis Date:
9M23677.D	BNA@50PPM	03/11/10 09:00
9M23678.D	CAL BNA@50PPM	03/11/10 09:30
9M23679.D	OMB1363	03/11/10 09:53
9M23680.D	OMB1363(MS)	03/11/10 10:16
9M23681.D	AC50188-001	03/11/10 10:39
9M23682.D	AC50188-002	03/11/10 11:02
9M23683.D	AC50188-003	03/11/10 11:25
9M23684.D	AC50188-004	03/11/10 11:47
9M23685.D	AC50188-005	03/11/10 12:10
9M23686.D	AC50188-006	03/11/10 12:33
9M23687.D	AC50188-007	03/11/10 12:55
9M23688.D	AC50188-008	03/11/10 13:18
9M23689.D	AC50259-003	03/11/10 13:41
9M23690.D	SMB4437(MS)	03/11/10 14:03
9M23691.D	SMB4437	03/11/10 14:26
9M23692.D	AC50259-004	03/11/10 14:48
9M23693.D	AC50259-005	03/11/10 15:11
9M23694.D	AC50259-006	03/11/10 15:34
9M23695.D	AC50259-007	03/11/10 15:57
9M23696.D	AC50259-008	03/11/10 16:20
9M23697.D	AC50259-007(3X)	03/11/10 16:43
9M23698.D	AC50090-005(20X)	03/11/10 17:06
9M23699.D	AC50199-003(3X)	03/11/10 17:29
9M23700.D	AC50090-005(2X)	03/11/10 17:51
9M23701.D	AC50259-003(MS)	03/11/10 18:13
9M23702.D	AC50259-003(MSD	03/11/10 18:36
9M23703.D	AC50188-009	03/11/10 18:59
9M23704.D	AC50188-007(MS)	03/11/10 19:21
9M23705.D	AC50188-007(MSD	03/11/10 19:43

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-11-10\
Data File : 9M23676.D
Acq On    : 11 Mar 2010   8:36
Operator  : AHD
Sample    : CAL DFTPP
Misc      : A,BNA
ALS Vial  : 1   Sample Multiplier: 1

Integration File: RTEINT.P

Method    : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270
Last Update  : Mon Mar 01 13:49:45 2010
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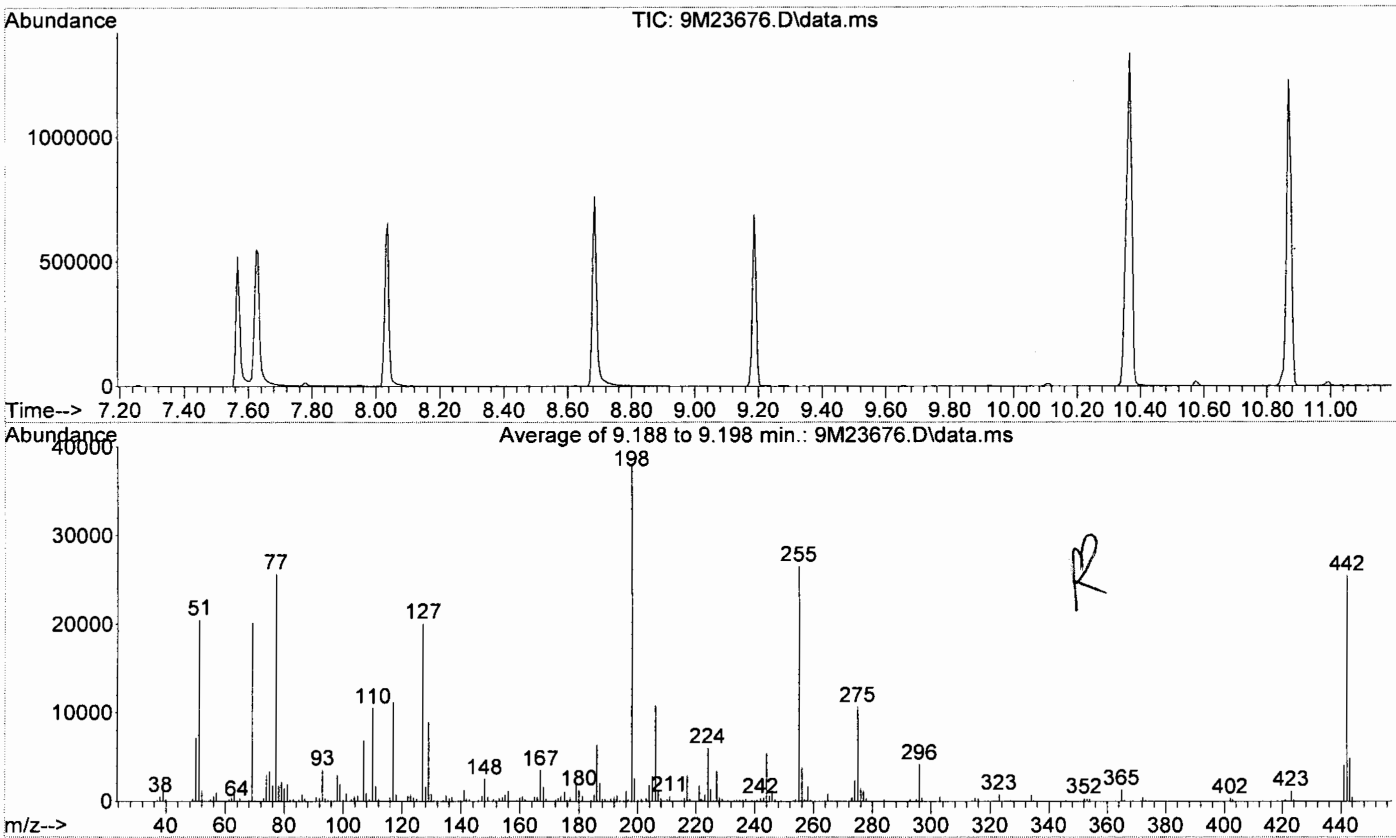


Spectrum Information: Average of 9.188 to 9.198 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.8	20509	PASS
68	69	0.00	2	0.7	142	PASS
69	198	0.00	100	53.0	20181	PASS
70	69	0.00	2	0.3	68	PASS
127	198	40	60	52.6	20065	PASS
197	198	0.00	1	0.6	223	PASS
198	198	100	100	100.0	38111	PASS
199	198	5	9	6.8	2578	PASS
275	198	10	30	28.0	10685	PASS
365	198	1	100	3.4	1293	PASS
441	443	0.01	100	83.6	4053	PASS
442	198	40	100	66.8	25476	PASS
443	442	17	23	19.0	4849	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M23706.D
Analysis Date: 03/12/10 09:43
Method: EPA 8270C

Tune Scan/Time Range: Scan 1368

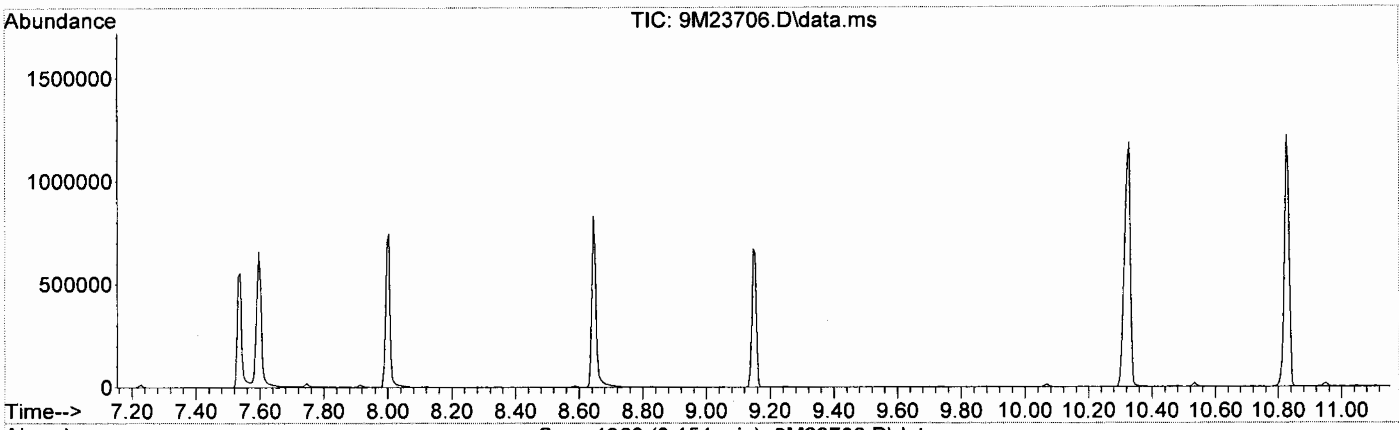
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.0	33720	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.8	32984	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.8	31224	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59136	PASS
199	198	5	9	6.4	3795	PASS
275	198	10	30	28.9	17088	PASS
365	198	1	100	3.9	2334	PASS
441	443	0.01	100	75.0	6730	PASS
442	198	40	100	69.3	40960	PASS
443	442	17	23	21.9	8979	PASS

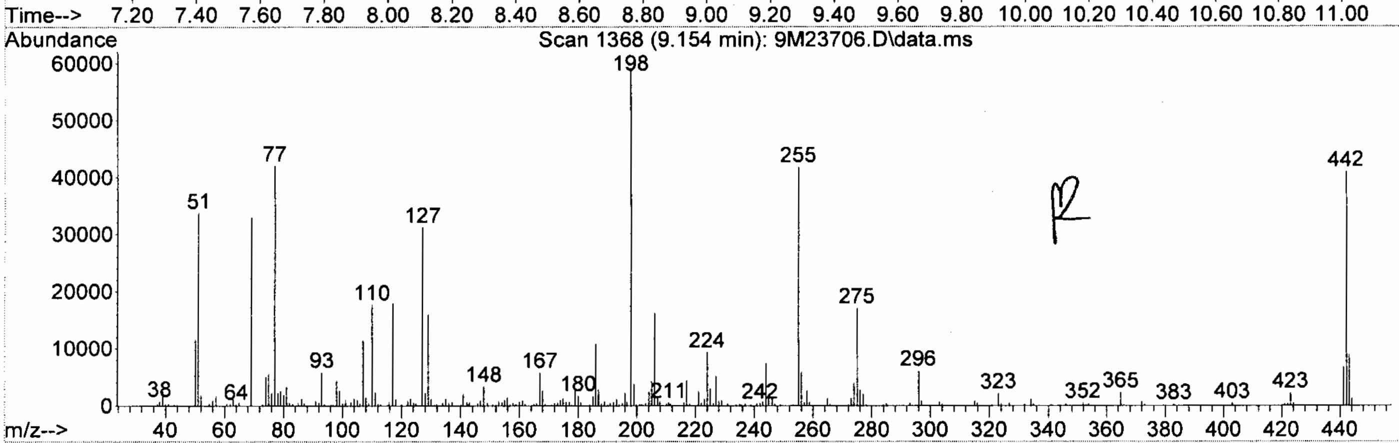
Data File	Sample Number	Analysis Date:
9M23707.D	CAL BNA@50PPM	03/12/10 10:37
9M23708.D	AC50259-003(MS)	03/12/10 11:40
9M23709.D	AC50259-003(MSD	03/12/10 12:02
9M23710.D	OMB1365(MS)	03/12/10 13:00
9M23711.D	OMB1365	03/12/10 13:23
9M23712.D	AC50262-001	03/12/10 13:46
9M23713.D	AC50262-002	03/12/10 14:09
9M23714.D	AC50262-003	03/12/10 14:32
9M23715.D	AC50262-004	03/12/10 14:54
9M23716.D	SMB4438(MS)	03/12/10 15:17
9M23717.D	SMB4438	03/12/10 15:40
9M23718.D	SMB4438(MS)	03/12/10 16:03
9M23719.D	AC50233-002	03/12/10 16:26
9M23720.D	AC50261-001(3X)	03/12/10 16:48
9M23721.D	AC50101-001	03/12/10 17:11
9M23722.D	AC50101-004	03/12/10 17:34
9M23723.D	AC50133-003	03/12/10 17:57
9M23724.D	AC50088-004	03/12/10 18:19
9M23725.D	AC50233-002(MS)	03/12/10 18:42
9M23726.D	AC50233-002(MSD	03/12/10 19:05
9M23727.D	AC50199-004(2X)	03/12/10 19:28
9M23728.D	AC50199-005	03/12/10 19:50
9M23729.D	AC50199-006	03/12/10 20:13
9M23730.D	AC50199-007(2X)	03/12/10 20:36
9M23731.D	AC50233-001	03/12/10 20:59
9M23732.D	AC50233-004	03/12/10 21:21

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23706.D
Acq On : 12 Mar 2010 9:43
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Mar 01 13:49:45 2010





Spectrum Information: Scan 1368

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.0	33720	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.8	32984	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.8	31224	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59136	PASS
199	198	5	9	6.4	3795	PASS
275	198	10	30	28.9	17088	PASS
365	198	1	100	3.9	2334	PASS
441	443	0.01	100	75.0	6730	PASS
442	198	40	100	69.3	40960	PASS
443	442	17	23	21.9	8979	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M55987.D
Instrument: GCMS 5 **Analysis Date:** 03/15/10 09:46
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.879 to 9.895 min

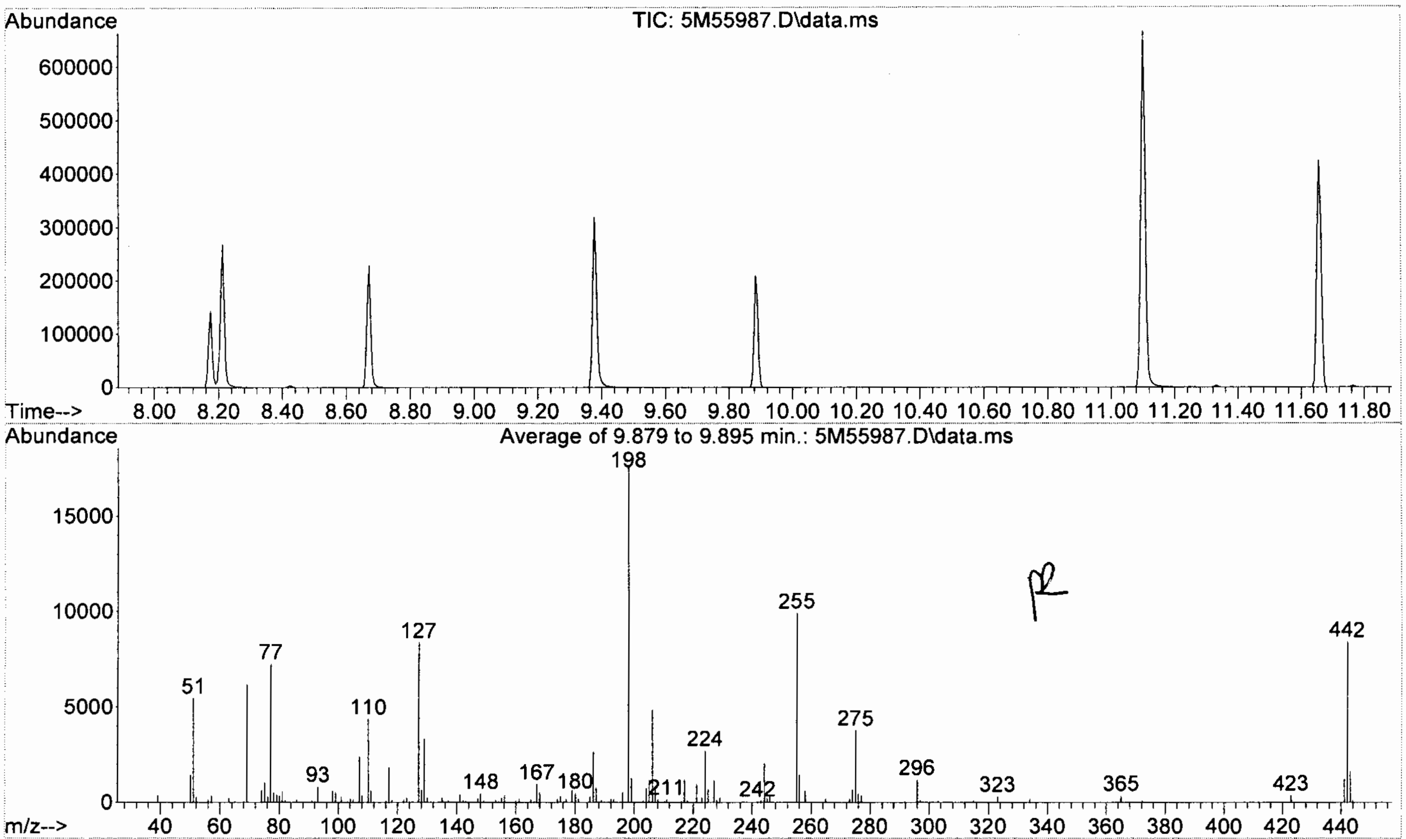
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.9	5469	PASS
68	69	0.00	2	0.8	47	PASS
69	198	0.00	100	34.8	6166	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.3	8368	PASS
197	198	0.00	1	0.2	38	PASS
198	198	100	100	100.0	17708	PASS
199	198	5	9	7.1	1261	PASS
275	198	10	30	21.4	3781	PASS
365	198	1	100	2.0	356	PASS
441	443	0.01	100	74.9	1212	PASS
442	198	40	100	47.5	8418	PASS
443	442	17	23	19.2	1618	PASS

Data File	Sample Number	Analysis Date:
5M55988.D	CAL BNA@50PPM	03/15/10 10:11
5M55989.D	SMB4439	03/15/10 10:37
5M55990.D	SMB4439(MS)	03/15/10 11:00
5M55991.D	SMB4438	03/15/10 11:22
5M55992.D	AC50293-001(20X)	03/15/10 11:44
5M55993.D	AC50293-011(10X)	03/15/10 12:07
5M55994.D	AC50293-002(10X)	03/15/10 12:30
5M55995.D	AC50293-003(10X)	03/15/10 12:52
5M55996.D	SMB4438(MS)	03/15/10 13:14
5M55997.D	AC50293-006(5X)	03/15/10 13:37
5M55998.D	AC50293-007(5X)	03/15/10 14:00
5M55999.D	AC50293-008(10X)	03/15/10 14:22
5M56000.D	AC50293-009(10X)	03/15/10 14:45
5M56001.D	AC50293-010(10X)	03/15/10 15:08
5M56002.D	AC50233-002(MS)	03/15/10 15:30
5M56003.D	AC50233-002(MSD	03/15/10 15:52
5M56004.D	AC50233-001	03/15/10 16:15
5M56005.D	AC50233-004	03/15/10 16:37
5M56006.D	OMB1368(MS)	03/15/10 17:00
5M56007.D	OMB1368(MS)DUP	03/15/10 17:22
5M56008.D	OMB1368	03/15/10 17:44
5M56009.D	OMB1366	03/15/10 18:45
5M56010.D	OMB1366(MS)	03/15/10 19:07
5M56011.D	AC50293-011(10X)	03/15/10 19:30
5M56012.D	AC50293-011(10X)	03/15/10 19:52
5M56013.D	AC50188-011	03/15/10 20:14
5M56014.D	AC50188-011(MS)	03/15/10 20:36
5M56015.D	AC50188-011(MSD	03/15/10 20:59
5M56016.D	AC50291-004	03/15/10 21:21
5M56017.D	AC50327-002	03/15/10 21:43
5M56018.D	AC50327-003	03/15/10 22:05
5M56019.D	AC50327-001(3X)	03/15/10 22:28
5M56020.D	AC50126-016	03/15/10 22:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55987.D
Acq On : 15 Mar 2010 9:46
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Mar 01 14:46:26 2010



Spectrum Information: Average of 9.879 to 9.895 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.9	5469	PASS
68	69	0.00	2	0.8	47	PASS
69	198	0.00	100	34.8	6166	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.3	8368	PASS
197	198	0.00	1	0.2	38	PASS
198	198	100	100	100.0	17708	PASS
199	198	5	9	7.1	1261	PASS
275	198	10	30	21.4	3781	PASS
365	198	1	100	2.0	356	PASS
441	443	0.01	100	74.9	1212	PASS
442	198	40	100	47.5	8418	PASS
443	442	17	23	19.2	1618	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M56021.D
Analysis Date: 03/16/10 08:58
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.868 to 9.884 min

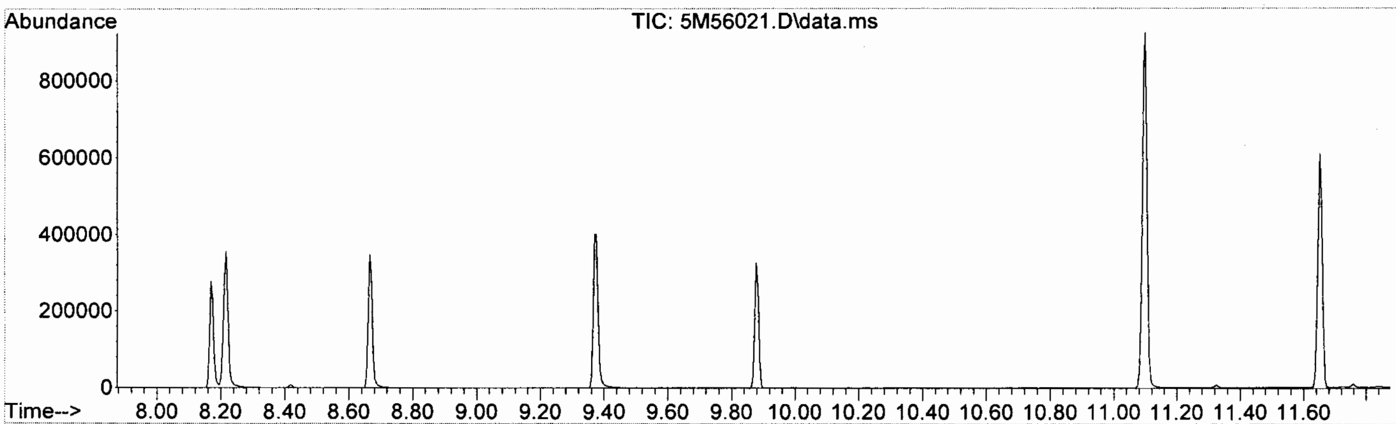
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.3	7693	PASS
68	69	0.00	2	0.6	53	PASS
69	198	0.00	100	35.1	8922	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.0	11935	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	25399	PASS
199	198	5	9	7.0	1773	PASS
275	198	10	30	20.8	5282	PASS
365	198	1	100	1.8	457	PASS
441	443	0.01	100	66.8	1405	PASS
442	198	40	100	42.4	10758	PASS
443	442	17	23	19.6	2103	PASS

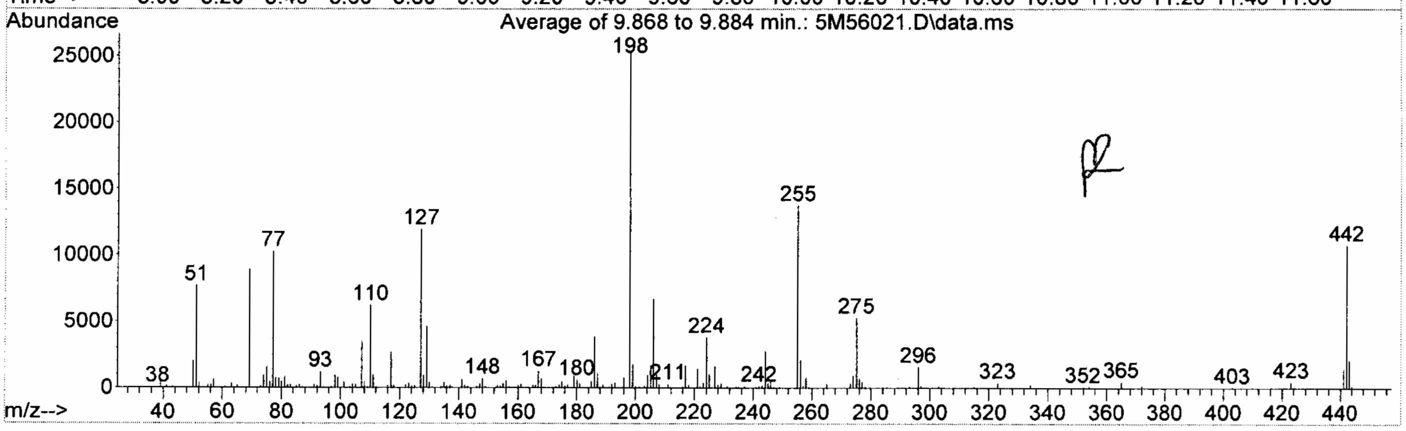
Data File	Sample Number	Analysis Date:
5M56022.D	CAL BNA@50PPM	03/16/10 09:26
5M56023.D	SMB4441	03/16/10 09:48
5M56024.D	SMB4440	03/16/10 10:10
5M56025.D	SMB4441(MS)	03/16/10 10:33
5M56026.D	AC50327-003	03/16/10 10:55
5M56027.D	AC50327-001(2X)	03/16/10 11:17
5M56028.D	AC50327-002(3X)	03/16/10 11:40
5M56029.D	AC50233-002	03/16/10 12:02
5M56030.D	AC50282-001	03/16/10 13:14
5M56031.D	AC50173-005	03/16/10 13:35
5M56032.D	AC50165-009	03/16/10 13:58
5M56033.D	AC50173-003	03/16/10 14:20
5M56034.D	AC50254-002	03/16/10 14:54
5M56035.D	AC50254-003	03/16/10 15:16
5M56036.D	AC50254-004	03/16/10 15:39
5M56037.D	AC50254-005	03/16/10 16:02
5M56038.D	AC50199-004(3X)	03/16/10 16:24
5M56039.D	AC50199-005	03/16/10 16:47
5M56040.D	AC50313-012	03/16/10 17:09
5M56041.D	AC50313-014	03/16/10 17:32
5M56042.D	AC50313-015	03/16/10 17:54
5M56043.D	AC50313-016	03/16/10 18:17
5M56044.D	AC50313-017	03/16/10 18:39
5M56045.D	AC50313-018	03/16/10 19:01
5M56046.D	AC50313-019	03/16/10 19:24
5M56047.D	AC50165-004(20X)	03/16/10 19:46
5M56048.D	AC50173-002(10X)	03/16/10 20:08

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Data File : 5M56021.D
Acq On : 16 Mar 2010 8:58
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Mar 01 14:46:26 2010





Spectrum Information: Average of 9.868 to 9.884 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.3	7693	PASS
68	69	0.00	2	0.6	53	PASS
69	198	0.00	100	35.1	8922	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.0	11935	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	25399	PASS
199	198	5	9	7.0	1773	PASS
275	198	10	30	20.8	5282	PASS
365	198	1	100	1.8	457	PASS
441	443	0.01	100	66.8	1405	PASS
442	198	40	100	42.4	10758	PASS
443	442	17	23	19.6	2103	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4436
Client Id:
Data File: 9M23664.D
Analysis Date: 03/10/10 15:30
Date Rec/Extracted: NA-03/10/10
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
120-82-1	1,2,4-Trichlorobenzene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U
95-95-4	2,4,5-Trichlorophenol	0.067	U
88-06-2	2,4,6-Trichlorophenol	0.067	U
120-83-2	2,4-Dichlorophenol	0.067	U
105-67-9	2,4-Dimethylphenol	0.067	U
51-28-5	2,4-Dinitrophenol	0.33	U
121-14-2	2,4-Dinitrotoluene	0.067	U
606-20-2	2,6-Dinitrotoluene	0.067	U
91-58-7	2-Chloronaphthalene	0.067	U
95-57-8	2-Chlorophenol	0.067	U
91-57-6	2-Methylnaphthalene	0.067	U
95-48-7	2-Methylphenol	0.067	U
88-74-4	2-Nitroaniline	0.067	U
88-75-5	2-Nitrophenol	0.067	U
106-44-5	3&4-Methylphenol	0.067	U
91-94-1	3,3'-Dichlorobenzidine	0.067	U
99-09-2	3-Nitroaniline	0.067	U
534-52-1	4,6-Dinitro-2-methylphenol	0.33	U
101-55-3	4-Bromophenyl-phenylether	0.067	U
59-50-7	4-Chloro-3-methylphenol	0.067	U
106-47-8	4-Chloroaniline	0.067	U
7005-72-3	4-Chlorophenyl-phenylether	0.067	U
100-01-6	4-Nitroaniline	0.067	U
100-02-7	4-Nitrophenol	0.067	U
83-32-9	Acenaphthene	0.067	U
208-96-8	Acenaphthylene	0.067	U
62-53-3	Aniline	0.067	U
120-12-7	Anthracene	0.067	U
92-87-5	Benzidine	0.33	U
56-55-3	Benzo[a]anthracene	0.067	U
50-32-8	Benzo[a]pyrene	0.067	U
205-99-2	Benzo[b]fluoranthene	0.067	U
191-24-2	Benzo[g,h,i]perylene	0.067	U
207-08-9	Benzo[k]fluoranthene	0.067	U
65-85-0	Benzoic Acid	0.33	U
111-91-1	bis(2-Chloroethoxy)methan	0.067	U
111-44-4	bis(2-Chloroethyl)ether	0.067	U
108-60-1	bis(2-chloroisopropyl)ether	0.067	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.067	U
85-68-7	Butylbenzylphthalate	0.067	U
86-74-8	Carbazole	0.067	U
218-01-9	Chrysene	0.067	U
53-70-3	Dibenzo[a,h]anthracene	0.067	U
132-64-9	Dibenzofuran	0.067	U
84-66-2	Diethylphthalate	0.067	U
131-11-3	Dimethylphthalate	0.067	U
84-74-2	Di-n-butylphthalate	0.067	U
117-84-0	Di-n-octylphthalate	0.067	U
206-44-0	Fluoranthene	0.067	U
86-73-7	Fluorene	0.067	U
118-74-1	Hexachlorobenzene	0.067	U
87-68-3	Hexachlorobutadiene	0.067	U
77-47-4	Hexachlorocyclopentadiene	0.33	U
67-72-1	Hexachloroethane	0.067	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.067	U
78-59-1	Isophorone	0.067	U
91-20-3	Naphthalene	0.067	U
98-95-3	Nitrobenzene	0.067	U
62-75-9	N-Nitrosodimethylamine	0.067	U
621-64-7	N-Nitroso-di-n-propylamine	0.067	U
86-30-6	n-Nitrosodiphenylamine	0.067	U
87-86-5	Pentachlorophenol	0.33	U
85-01-8	Phenanthrene	0.067	U
108-95-2	Phenol	0.067	U
129-00-0	Pyrene	0.067	U

Worksheet #: 145370

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: SMB4436
Client Id:
Data File: 9M23664.D
Analysis Date: 03/10/10 15:30
Date Rec/Extracted: NA-03/10/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.66	0.68 JA
2		unknown	3.16	0.61 J
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.61	180 JA
4		unknown	4.31	0.33 J

Worksheet #: 145370

Total Tentativelv Identified Concentration 180

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)

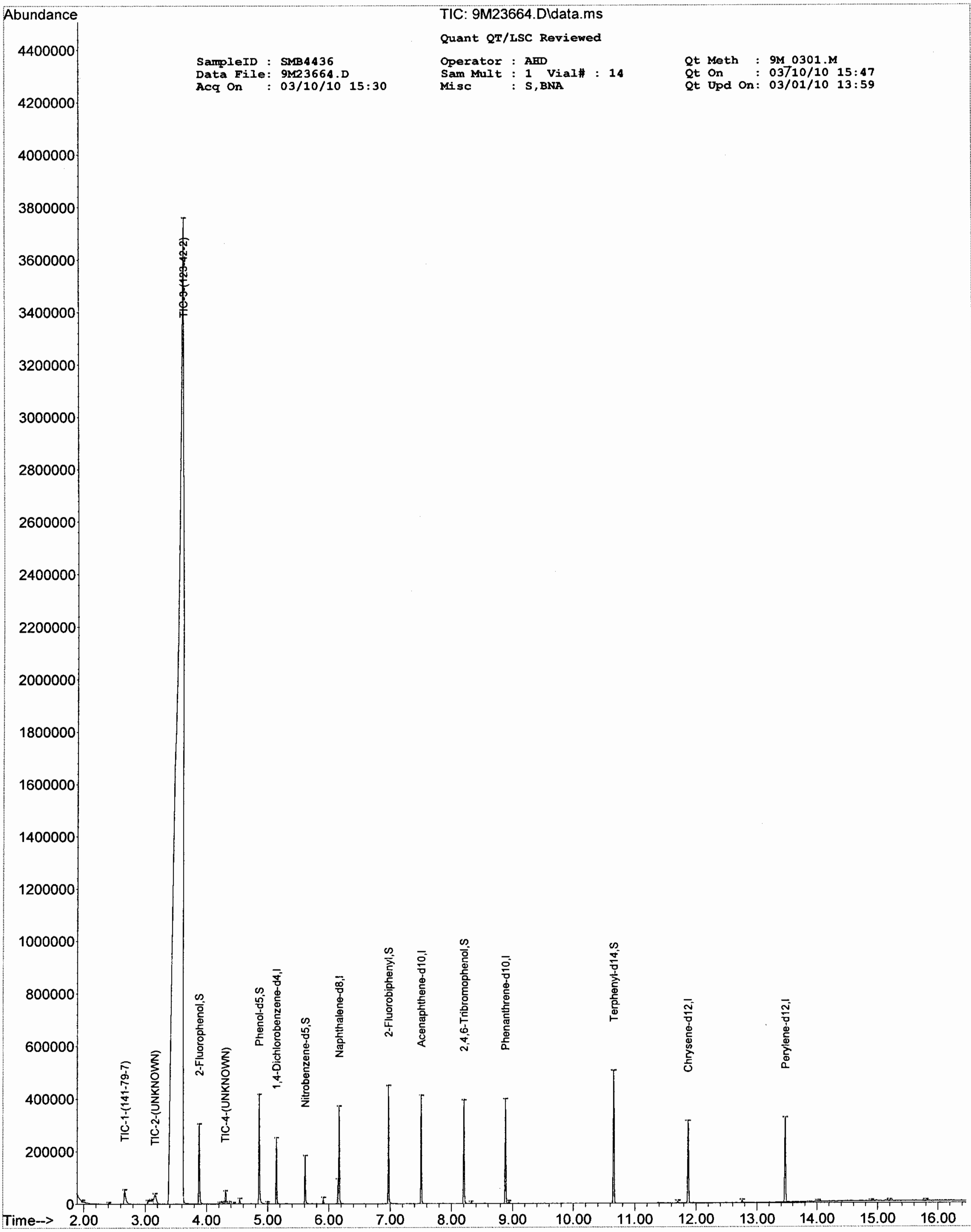
```
SampleID : SMB4436           Operator : AHD              Qt Meth   : 9M_0301.M
Data File: 9M23664.D         Sam Mult : 1  Vial# : 14    Qt On     : 03/10/10 15:47
Acq On   : 03/10/10 15:30    Misc     : S,BNA            Qt Upd On: 03/01/10 13:59

Data Path    : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Qt Path      : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration
```

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.144	152	28635	40.00	ng	-0.12
29) Naphthalene-d8	6.166	136	115317	40.00	ng	-0.13
47) Acenaphthene-d10	7.508	164	65269	40.00	ng	-0.14
73) Phenanthrene-d10	8.883	188	112316	40.00	ng	-0.16
87) Chrysene-d12	11.873	240	112052	40.00	ng	-0.19
102) Perylene-d12	13.472	264	114908	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	3.882	112	79068	102.69	ng	-0.13
Spiked Amount 100.000			Recovery =	102.69%		
15) Phenol-d5	4.861	99	102859	102.45	ng	-0.12
Spiked Amount 100.000			Recovery =	102.45%		
30) Nitrobenzene-d5	5.615	128	21237	43.94	ng	-0.12
Spiked Amount 50.000			Recovery =	87.88%		
52) 2-Fluorobiphenyl	6.973	172	93640	41.94	ng	-0.12
Spiked Amount 50.000			Recovery =	83.88%		
76) 2,4,6-Tribromophenol	8.204	330	31220	149.54	ng	-0.15
Spiked Amount 100.000			Recovery =	149.54%		
90) Terphenyl-d14	10.659	244	142824	44.42	ng	-0.17
Spiked Amount 50.000			Recovery =	88.84%		
Target Compounds						Qvalue
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.144		200327	40.00	ng	--
2) Naphthalene-d8	6.166		344906	40.00	ng	--
3) Acenaphthene-d10	7.508		317878	40.00	ng	--
4) Phenanthrene-d10	8.883		345700	40.00	ng	--
5) Chrysene-d12	11.873		325305	40.00	ng	--
6) Perylene-d12	13.472		360855	40.00	ng	--
Library Search Compounds						
1) 141-79-7	2.660		101441	20.26	ng	87
2) UNKNOWN	3.160		91702	18.31	ng	--
3) 123-42-2	3.610		26582213	5307.76	ng	56
4) UNKNOWN	4.310		50131	10.01	ng	--

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

le


Abundance
TIC: 9M23664.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4436
Data File: 9M23664.D
Acq On : 03/10/10 15:30
Operator : AHD
Sam Mult : 1 Vial# : 14
Misc : S,BNA
Qt Meth : 9M_0301.M
Qt On : 03/10/10 15:47
Qt Upd On: 03/01/10 13:59
4400000
4200000
4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
TIC-1-(141-79-7)
TIC-2-(UNKNOWN)
TIC-3-(123-42-2)
2-Fluorophenol,S
TIC-4-(UNKNOWN)
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
Time--> 2.00 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

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23664.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.983	15	18	20	rVB4	3456	3204	0.01%	0.010%
2	2.406	92	97	104	rVB3	2504	3840	0.01%	0.012%
3	2.662	141	145	159	rBV	50777	101441	0.38%	0.330%
4	3.042	214	216	217	rBV	10556	8422	0.03%	0.027%
5	3.101	223	227	229	rBV4	2855	3482	0.01%	0.011%
6	3.160	233	238	251	rVB3	34891	91702	0.34%	0.298%
7	3.609	277	322	325	rBV	3756095	26582213	100.00%	86.491%
8	3.882	369	373	386	rBV	299979	307360	1.16%	1.000%
9	4.213	432	435	442	rBV2	2488	3512	0.01%	0.011%
10	4.272	442	446	451	rBV	5193	4883	0.02%	0.016%
11	4.310	451	453	463	rVV	45956	50131	0.19%	0.163%
12	4.374	463	465	468	rVB2	4732	4196	0.02%	0.014%
13	4.438	473	477	482	rBV	1876	3424	0.01%	0.011%
14	4.540	494	496	503	rVB	17294	14808	0.06%	0.048%
15	4.861	553	556	568	rBV	413758	342705	1.29%	1.115%
16	4.994	578	581	583	rBV2	5041	4443	0.02%	0.014%
17	5.144	606	609	616	rVB	247898	199118	0.75%	0.648%
18	5.615	693	697	704	rBV	180170	157053	0.59%	0.511%
19	5.909	749	752	756	rBV	20773	14941	0.06%	0.049%
20	6.150	794	797	798	rBV	89888	56419	0.21%	0.184%
21	6.166	798	800	810	rVB	367512	281239	1.06%	0.915%
22	6.973	948	951	960	rBV	446089	309749	1.17%	1.008%
23	7.508	1047	1051	1060	rBV	408846	316857	1.19%	1.031%
24	8.204	1177	1181	1191	rBV	391200	332008	1.25%	1.080%
25	8.321	1198	1203	1206	rBV3	4457	4254	0.02%	0.014%
26	8.883	1304	1308	1315	rBV	394804	343536	1.29%	1.118%
27	8.936	1315	1318	1323	rVB2	6096	6139	0.02%	0.020%
28	10.659	1635	1640	1644	rBV	502653	473076	1.78%	1.539%
29	11.707	1832	1836	1838	rBV	6339	5479	0.02%	0.018%
30	11.873	1862	1867	1875	rVB	309917	324928	1.22%	1.057%
31	12.755	2028	2032	2035	rBV2	9089	9526	0.04%	0.031%
32	13.472	2160	2166	2171	rBV	319072	357444	1.34%	1.163%
33	14.018	2266	2268	2272	rBV5	2647	3098	0.01%	0.010%
34	14.895	2426	2432	2433	rBV5	2238	2877	0.01%	0.009%
35	15.194	2485	2488	2489	rBV3	3685	3117	0.01%	0.010%

LSC Area Percent Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On    : 10 Mar 2010  15:30
Operator  : AHD
Sample    : SMB4436
Misc      : S,BNA
ALS Vial  : 14   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\2010\GCMS_9\METHODQT\9M_0301.M
Title     : @GCMS_9,mg,625,8270

 36  15.799  2596 2601 2603 rBV5    3100      3493   0.01%   0.011%

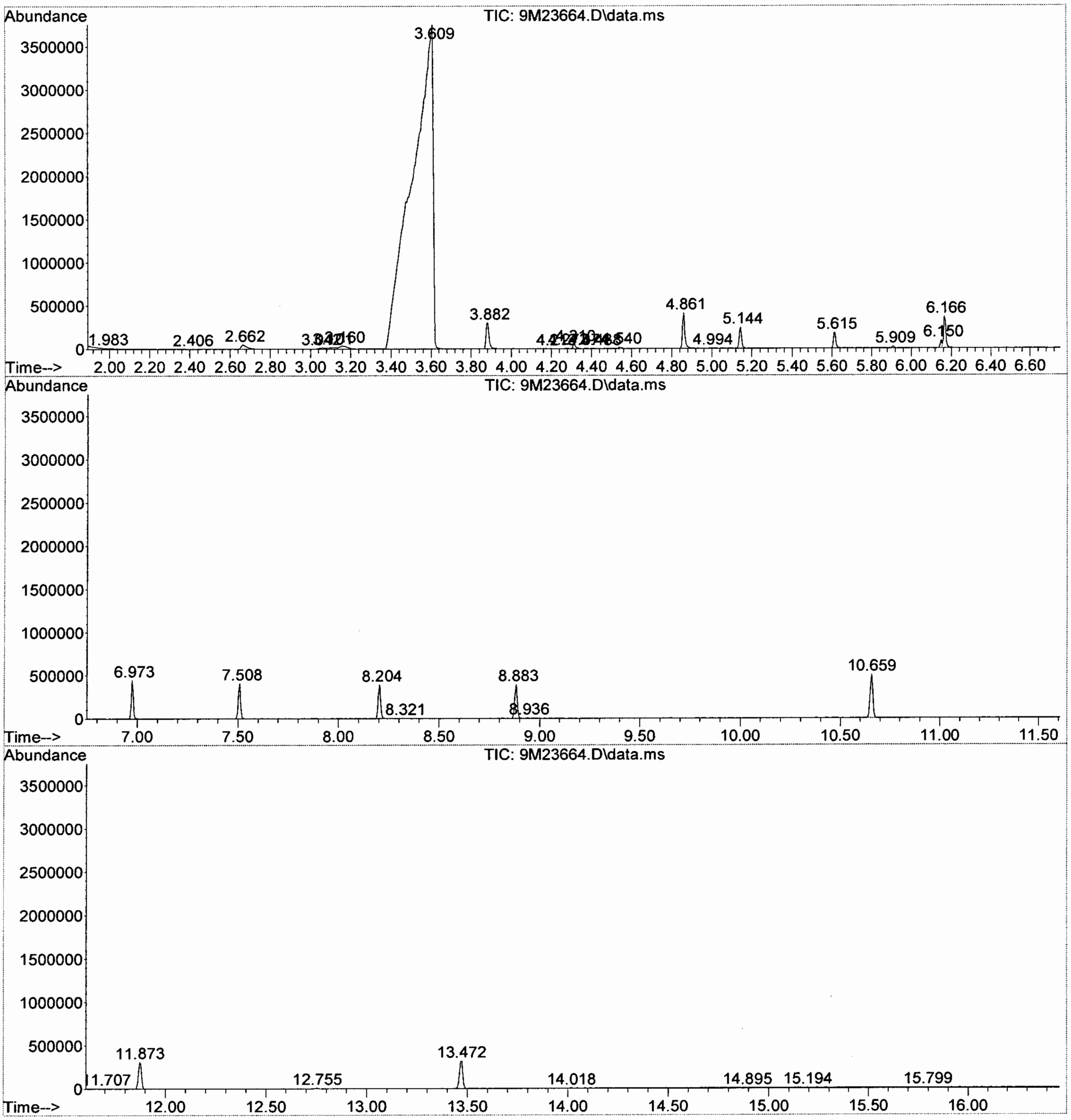
                      Sum of corrected areas:    30734117
```

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

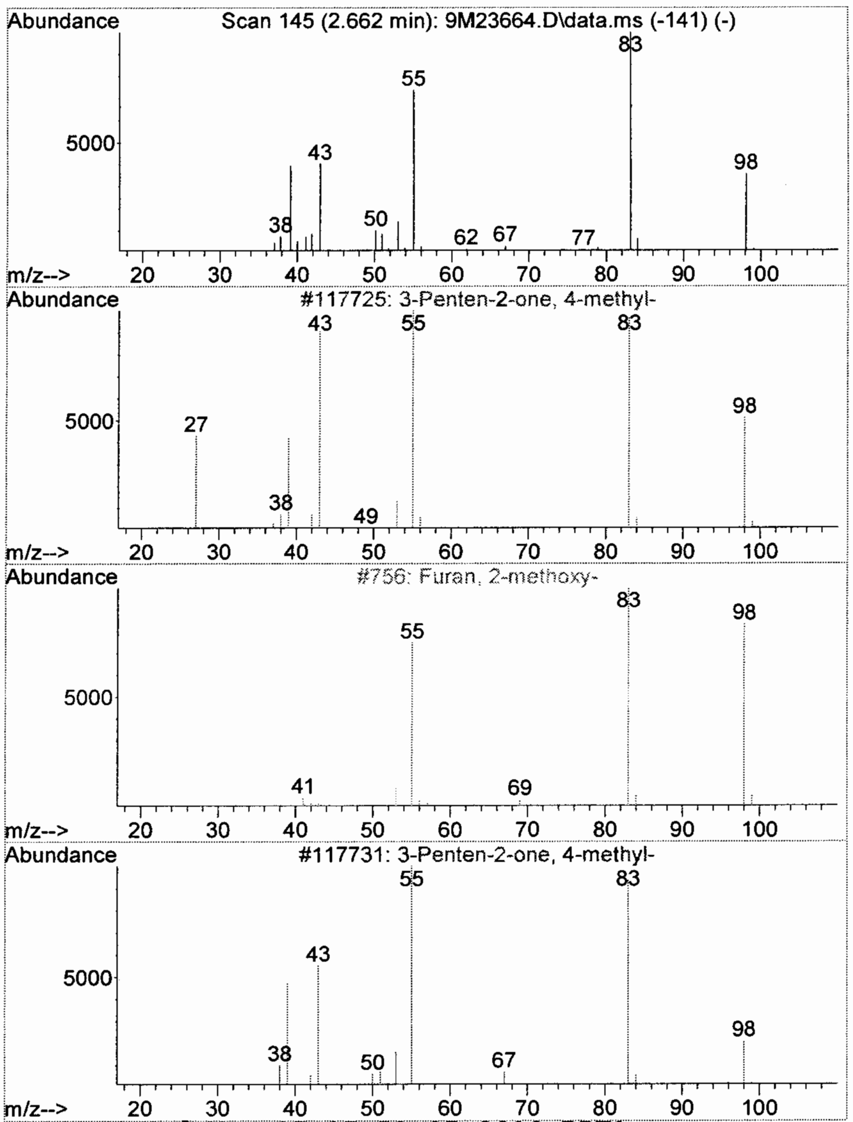
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

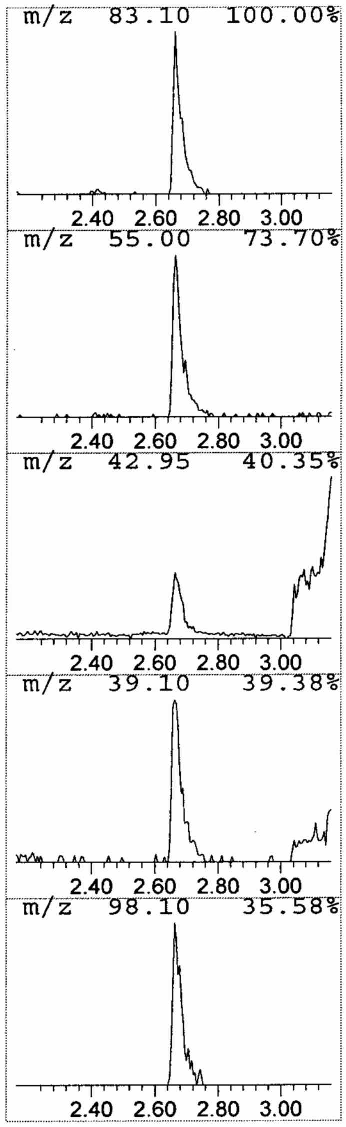
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.66	20.26 ng	101441	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	87
2	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	78
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	62
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	58





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

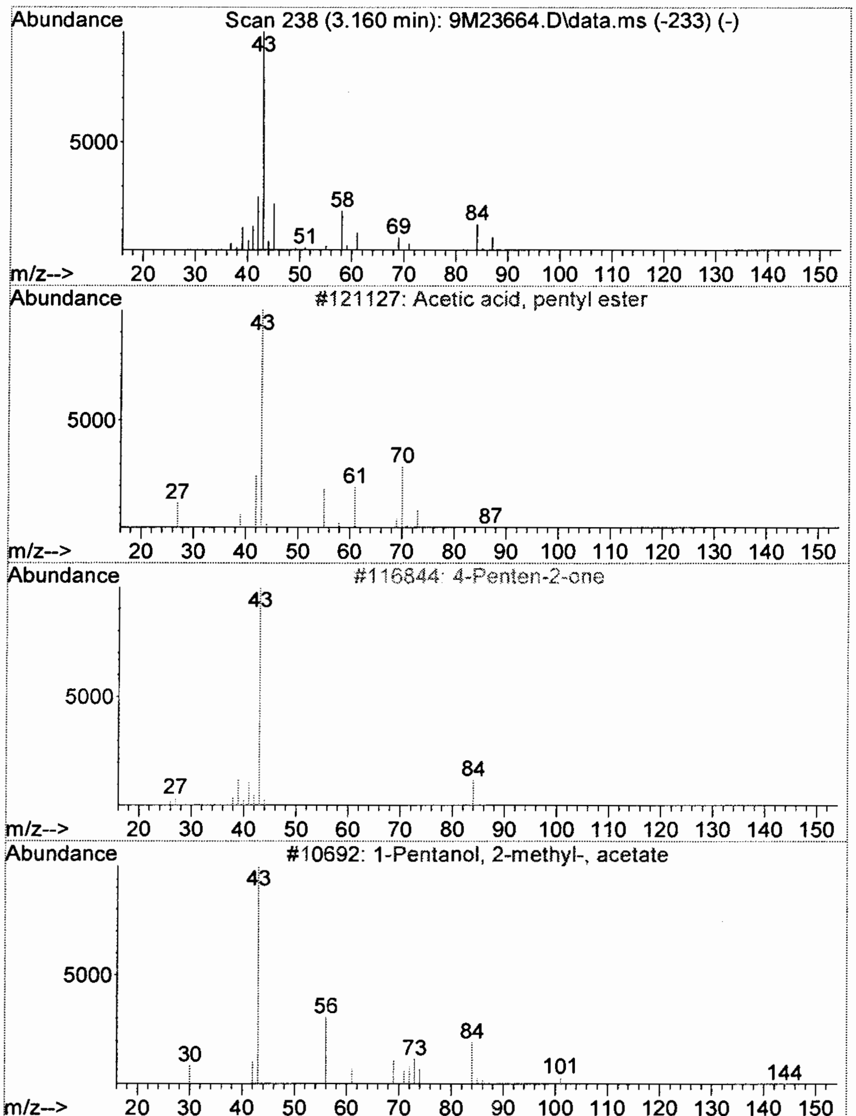
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

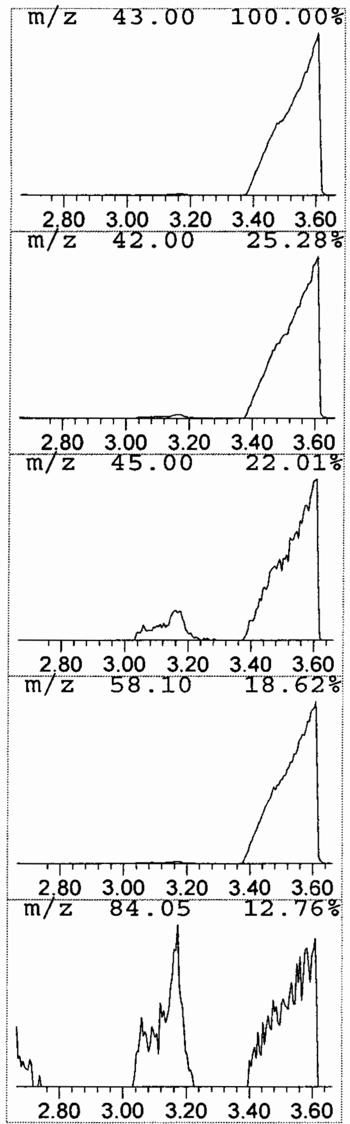
****

Peak Number 2 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	18.31 ng	91702	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, pentyl ester	130	C7H14O2	000628-63-7	17
2	4-Penten-2-one	84	C5H8O	013891-87-7	9
3	1-Pentanol, 2-methyl-, acetate	144	C8H16O2	007789-99-3	9
4	5-HYDROXYPENTAN-2-ONE	102	C5H10O2	001071-73-4	9
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9





Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On    : 10 Mar 2010  15:30
Operator  : AHD
Sample    : SMB4436
Misc      : S,BNA
ALS Vial  : 14   Sample Multiplier: 1

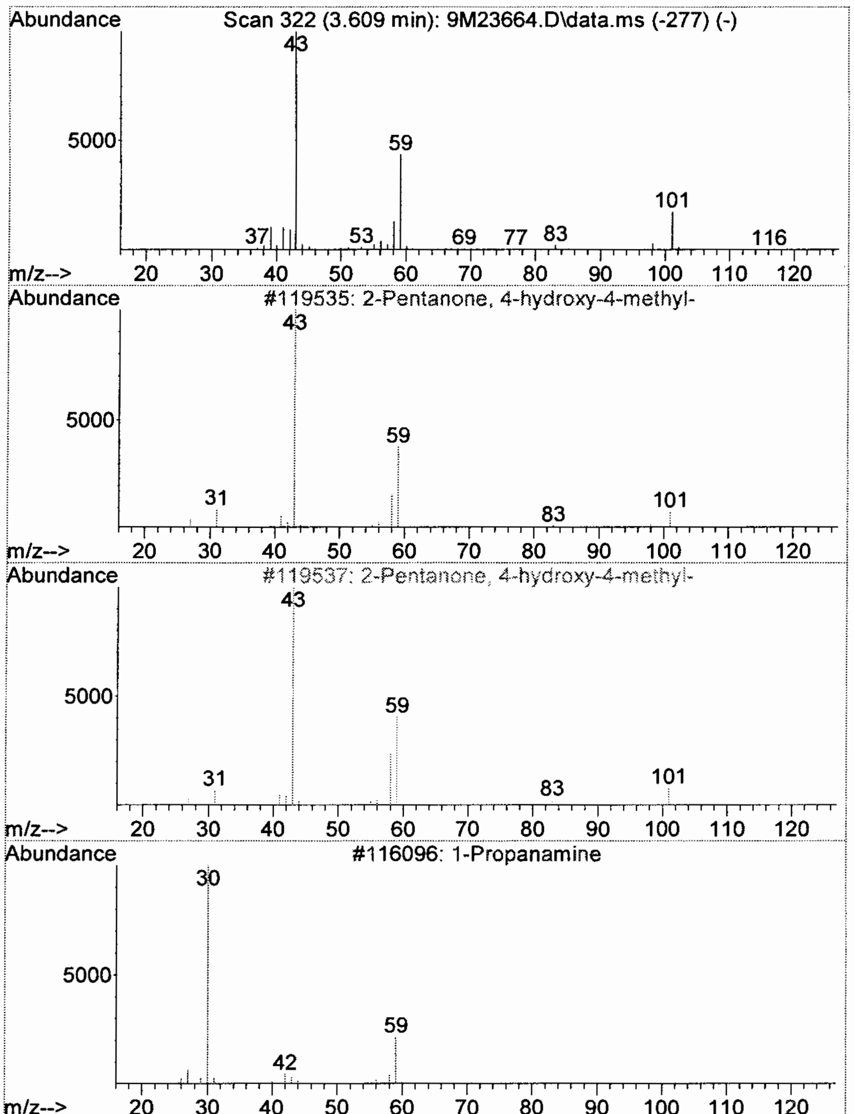
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title  : @GCMS_9,mg,625,8270

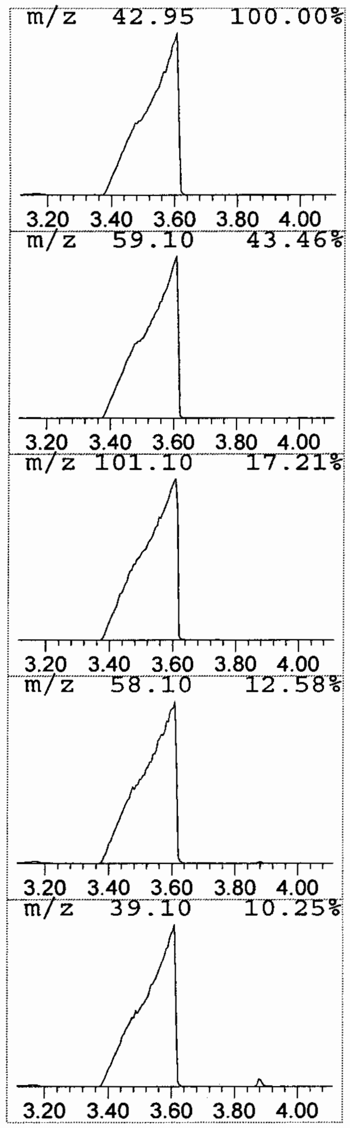
TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number  3  2-Pentanone, 4-hydroxy-4-me...  Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	5307.76 ng	26582213	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	1-Propanamine	59	C3H9N	000107-10-8	40
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

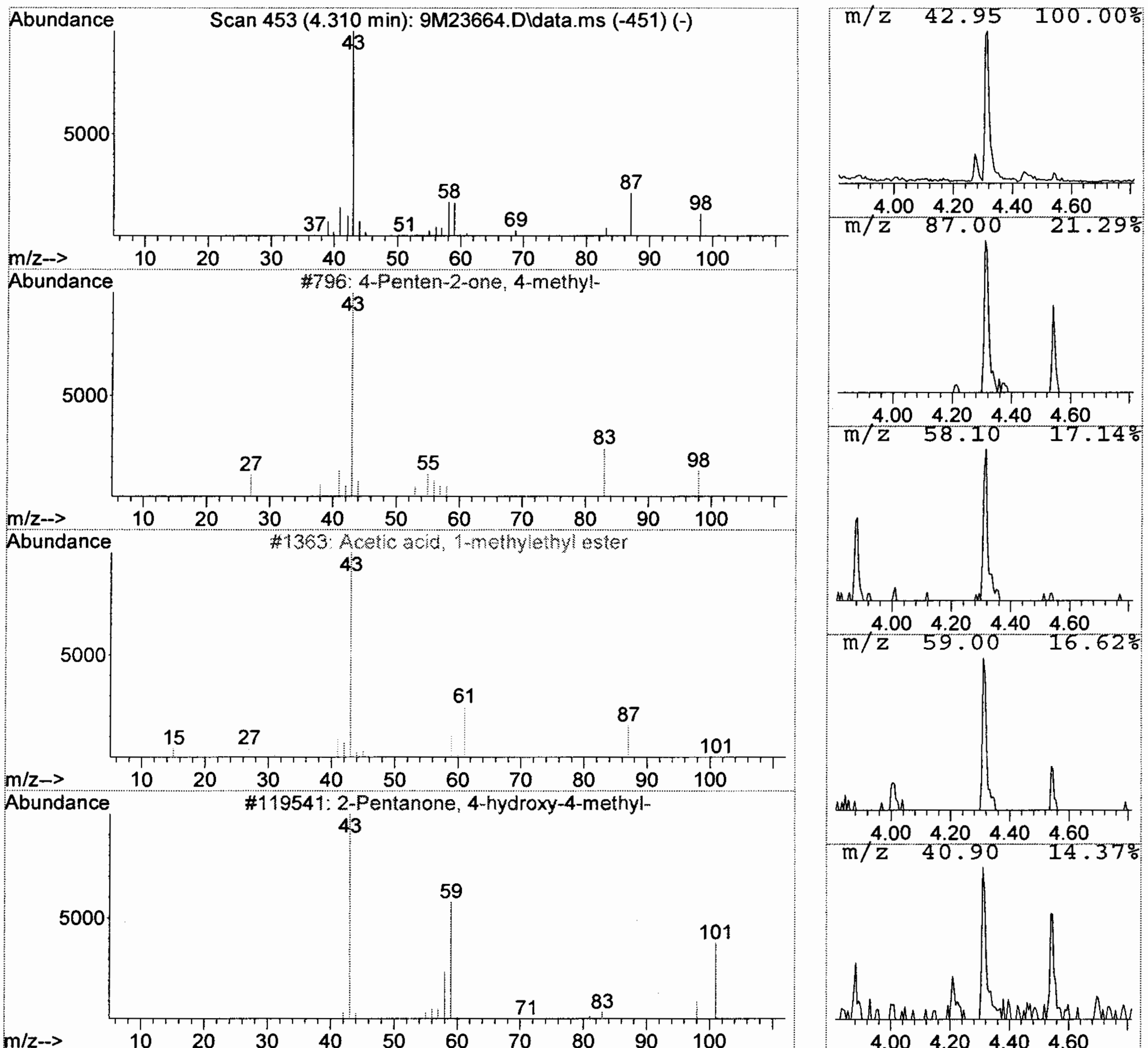
Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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

****
Peak Number 4 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	10.01 ng	50131	LibIS-1,4-Dichlorobenzene-d4	5.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	17
2	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	17
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	12
4	Ethanol, 2-(2-ethoxyethoxy)-, ac...	176	C8H16O4	000112-15-2	12
5	Butane	58	C4H10	000106-97-8	9



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-10-10\
Data File : 9M23664.D
Acq On : 10 Mar 2010 15:30
Operator : AHD
Sample : SMB4436
Misc : S,BNA
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,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
3-Penten-2-one, 4...	2.66	20.3	ng	101441	1	5.14	5.14	200327	40.0
unknown	3.16	18.3	ng	91702	1	5.14	5.14	200327	40.0
2-Pentanone, 4-hy...	3.61	5307.8	ng	26582213	1	5.14	5.14	200327	40.0
unknown	4.31	10.0	ng	50131	1	5.14	5.14	200327	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4438
Client Id:
Data File: 9M23717.D
Analysis Date: 03/12/10 15:40
Date Rec/Extracted: NA-03/12/10
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	191-24-2	Benzo[g,h,i]perylene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U	207-08-9	Benzo[k]fluoranthene	0.067	U
95-95-4	2,4,5-Trichlorophenol	0.067	U	65-85-0	Benzoic Acid	0.33	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

Worksheet #: 145370 ***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: SMB4438
Client Id:
Data File: 9M23717.D
Analysis Date: 03/12/10 15:40
Date Rec/Extracted: NA-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.56	0.79 JA
2		unknown	3.12	0.98 J
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.56	190 JA
4		unknown	4.25	0.41 J

Worksheet #: 145370

Total Tentativelv Identified Concentration 190

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 : SMB4438
Data File: 9M23717.D
Acq On : 03/12/10 15:40

Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : S,BNA

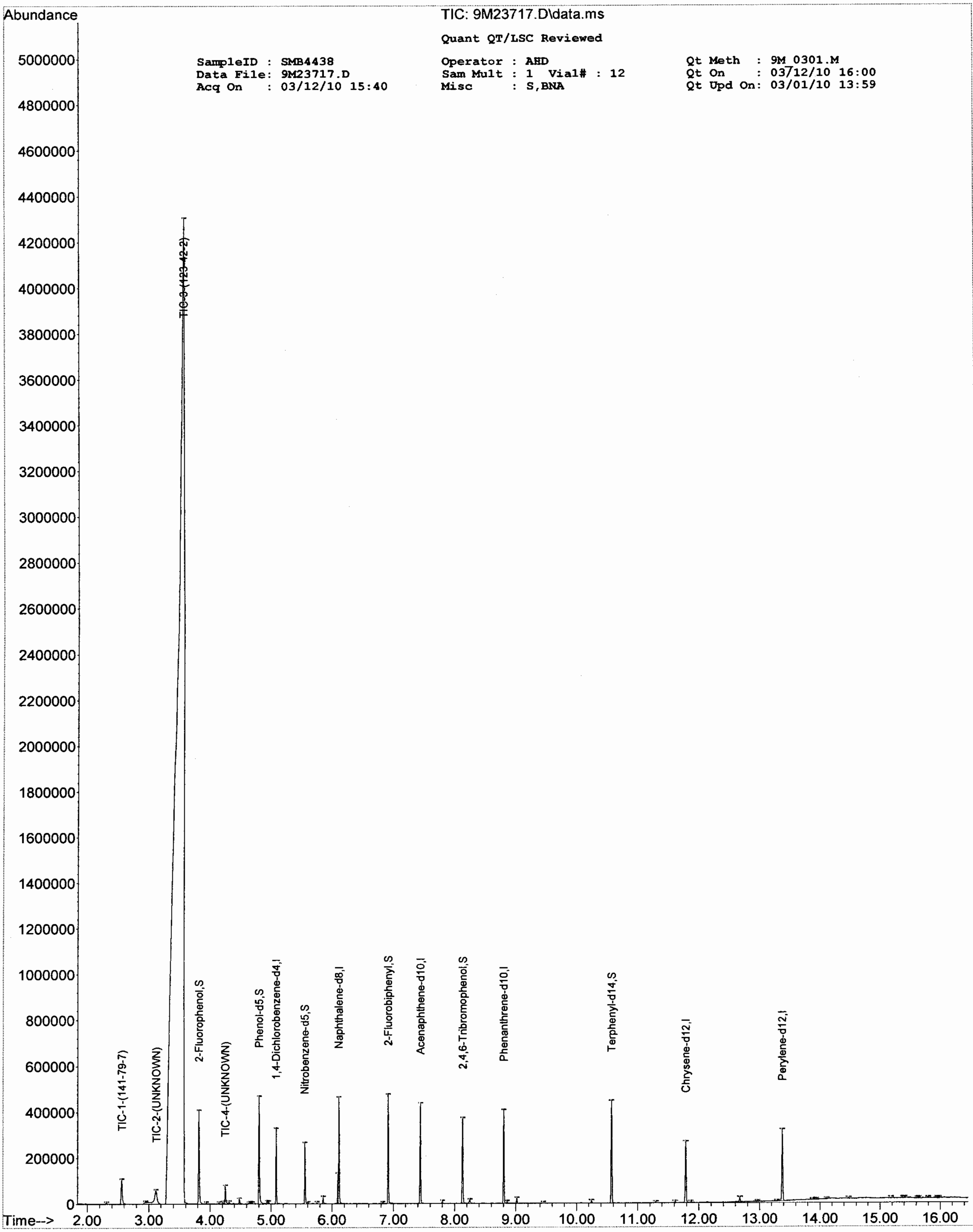
Qt Meth : 9M_0301.M
Qt On : 03/12/10 16:00
Qt Upd On: 03/01/10 13:59

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.084	152	33338	40.00 ng	-0.18
29) Naphthalene-d8	6.111	136	130659	40.00 ng	-0.18
47) Acenaphthene-d10	7.442	164	71820	40.00 ng	-0.20
73) Phenanthrene-d10	8.806	188	116414	40.00 ng	-0.24
87) Chrysene-d12	11.785	240	93543	40.00 ng	-0.27
102) Perylene-d12	13.379	264	101833	40.00 ng	-0.28
System Monitoring Compounds					
10) 2-Fluorophenol	3.816	112	91512	102.09 ng	-0.19
Spiked Amount 100.000			Recovery =	102.09%	
15) Phenol-d5	4.805	99	124519	106.52 ng	-0.17
Spiked Amount 100.000			Recovery =	106.52%	
30) Nitrobenzene-d5	5.554	128	26190	47.82 ng	-0.18
Spiked Amount 50.000			Recovery =	95.64%	
52) 2-Fluorobiphenyl	6.913	172	104241	42.43 ng	-0.18
Spiked Amount 50.000			Recovery =	84.86%	
76) 2,4,6-Tribromophenol	8.132	330	32480	150.10 ng	-0.22
Spiked Amount 100.000			Recovery =	150.10%	
90) Terphenyl-d14	10.577	244	127567	47.53 ng	-0.25
Spiked Amount 50.000			Recovery =	95.06%	
Target Compounds					Qvalue
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.084		239893	40.00 ng	--
2) Naphthalene-d8	6.111		406699	40.00 ng	--
3) Acenaphthene-d10	7.442		355303	40.00 ng	--
4) Phenanthrene-d10	8.806		357386m	40.00 ng	--
5) Chrysene-d12	11.785		273999m	40.00 ng	--
6) Perylene-d12	13.379		355547m	40.00 ng	--
Library Search Compounds					
1) 141-79-7	2.560		141624	23.61 ng	91
2) UNKNOWN	3.120		176318	29.40 ng	--
3) 123-42-2	3.560		34927689	5823.88 ng	72
4) UNKNOWN	4.250		72948	12.16 ng	--

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

lh



Abundance
TIC: 9M23717.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4438
Data File: 9M23717.D
Acq On : 03/12/10 15:40
Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : S,BNA
Qt Meth : 9M_0301.M
Qt On : 03/12/10 16:00
Qt Upd On: 03/01/10 13:59
TIC-1-(141-79-7)
TIC-2-(UNKNOWN)
TIC-3-(123-42-2)
2-Fluorophenol,S
TIC-4-(UNKNOWN)
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
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M23717.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.313	85	89	94	rVB5	4550	6025	0.02%	0.015%
2	2.559	130	135	145	rBV	104658	141624	0.41%	0.357%
3	2.949	202	208	209	rBV3	8168	15006	0.04%	0.038%
4	3.115	227	239	259	rVB2	58812	176318	0.50%	0.445%
5	3.565	268	323	326	rBV	4302204	34927689	100.00%	88.120%
6	3.816	367	370	381	rBV	404127	366343	1.05%	0.924%
7	3.939	391	393	398	rVB2	4000	4060	0.01%	0.010%
8	4.148	428	432	435	rBV	5268	5310	0.02%	0.013%
9	4.212	440	444	448	rBV	7507	6342	0.02%	0.016%
10	4.249	448	451	460	rVV	77670	72948	0.21%	0.184%
11	4.313	460	463	469	rVB	8181	8926	0.03%	0.023%
12	4.479	491	494	500	rBV	20542	19739	0.06%	0.050%
13	4.640	521	524	527	rBV	3911	3435	0.01%	0.009%
14	4.666	527	529	532	rVV	7010	5167	0.01%	0.013%
15	4.693	532	534	540	rVB	3835	3571	0.01%	0.009%
16	4.805	551	555	565	rBV	466241	414687	1.19%	1.046%
17	4.934	577	579	582	rBV	10180	7976	0.02%	0.020%
18	4.961	582	584	590	rVB	8189	5677	0.02%	0.014%
19	5.084	604	607	612	rBV	324827	233621	0.67%	0.589%
20	5.554	692	695	702	rBV	263582	197085	0.56%	0.497%
21	5.602	702	704	708	rVB	4456	4132	0.01%	0.010%
22	5.752	729	732	737	rVB	4563	3392	0.01%	0.009%
23	5.854	748	751	756	rBV	27827	19826	0.06%	0.050%
24	6.094	793	796	797	rBV	127874	81147	0.23%	0.205%
25	6.111	797	799	807	rVB	459609	317844	0.91%	0.802%
26	6.827	929	933	938	rBV2	3582	3556	0.01%	0.009%
27	6.913	946	949	953	rBV	473862	356676	1.02%	0.900%
28	7.442	1044	1048	1051	rBV	434691	352782	1.01%	0.890%
29	7.801	1110	1115	1119	rBV	9735	8149	0.02%	0.021%
30	8.132	1173	1177	1183	rBV	370019	341242	0.98%	0.861%
31	8.250	1193	1199	1208	rVB4	15356	21650	0.06%	0.055%
32	8.806	1298	1303	1308	rBV	404625	355563	1.02%	0.897%
33	8.860	1310	1313	1317	rVB	7623	6651	0.02%	0.017%
34	9.020	1338	1343	1347	rBV	21198	18557	0.05%	0.047%
35	9.453	1420	1424	1428	rBV2	2936	3470	0.01%	0.009%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 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\2010\GCMS_9\METHODQT\9M_0301.M
Title : @GCMS_9,mg,625,8270

36	10.245	1569	1572	1579	rVB	10314	9280	0.03%	0.023%
37	10.577	1629	1634	1638	rBV	443800	420648	1.20%	1.061%
38	11.299	1765	1769	1771	rVB3	3788	4019	0.01%	0.010%
39	11.614	1824	1828	1832	rBV2	5695	5946	0.02%	0.015%
40	11.785	1856	1860	1865	rBV	263822	263047	0.75%	0.664%
41	11.871	1871	1876	1882	rBV3	3972	6120	0.02%	0.015%
42	12.673	2022	2026	2031	rVB2	19341	19640	0.06%	0.050%
43	12.967	2076	2081	2083	rBV4	3034	3784	0.01%	0.010%
44	13.288	2138	2141	2145	rBV5	2113	3381	0.01%	0.009%
45	13.379	2153	2158	2164	rVB	309096	321958	0.92%	0.812%
46	13.882	2249	2252	2256	rBV5	2930	5211	0.01%	0.013%
47	13.941	2262	2263	2266	rBV3	4119	3744	0.01%	0.009%
48	14.112	2287	2295	2296	rBV8	3330	5922	0.02%	0.015%
49	14.476	2360	2363	2367	rBV6	3720	4597	0.01%	0.012%
50	15.182	2490	2495	2498	rBV7	2955	3833	0.01%	0.010%
51	15.380	2528	2532	2533	rVB4	4561	3988	0.01%	0.010%
52	15.406	2533	2537	2540	rBV6	5395	6860	0.02%	0.017%
53	15.620	2572	2577	2581	rBV7	4451	7099	0.02%	0.018%
54	15.647	2581	2582	2584	rBV2	4894	3520	0.01%	0.009%
55	15.802	2605	2611	2614	rVB8	3828	7290	0.02%	0.018%
56	15.952	2636	2639	2640	rVB3	4618	4135	0.01%	0.010%
57	15.973	2640	2643	2645	rBV4	4626	6095	0.02%	0.015%

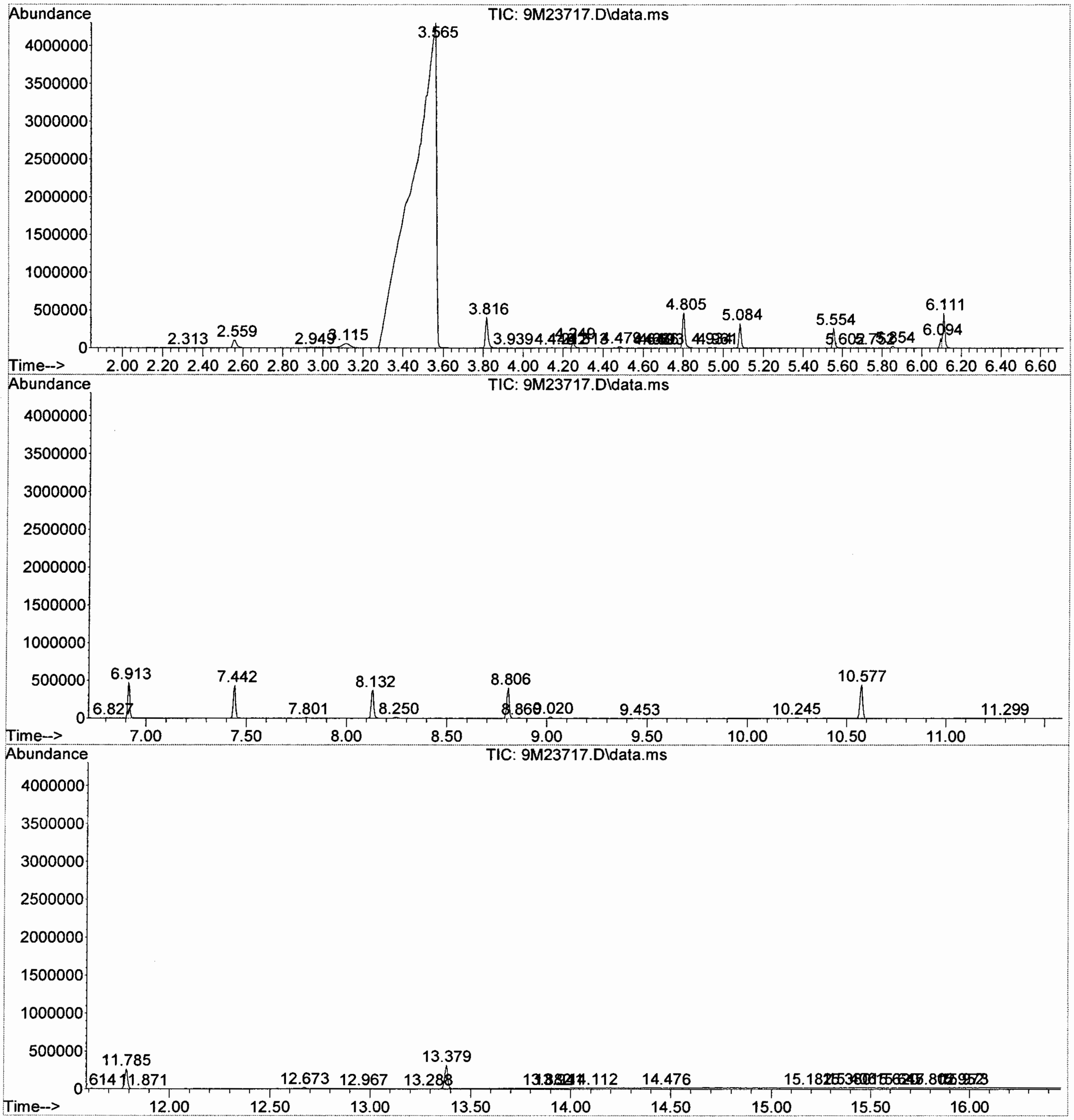
Sum of corrected areas: 39636303

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

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



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

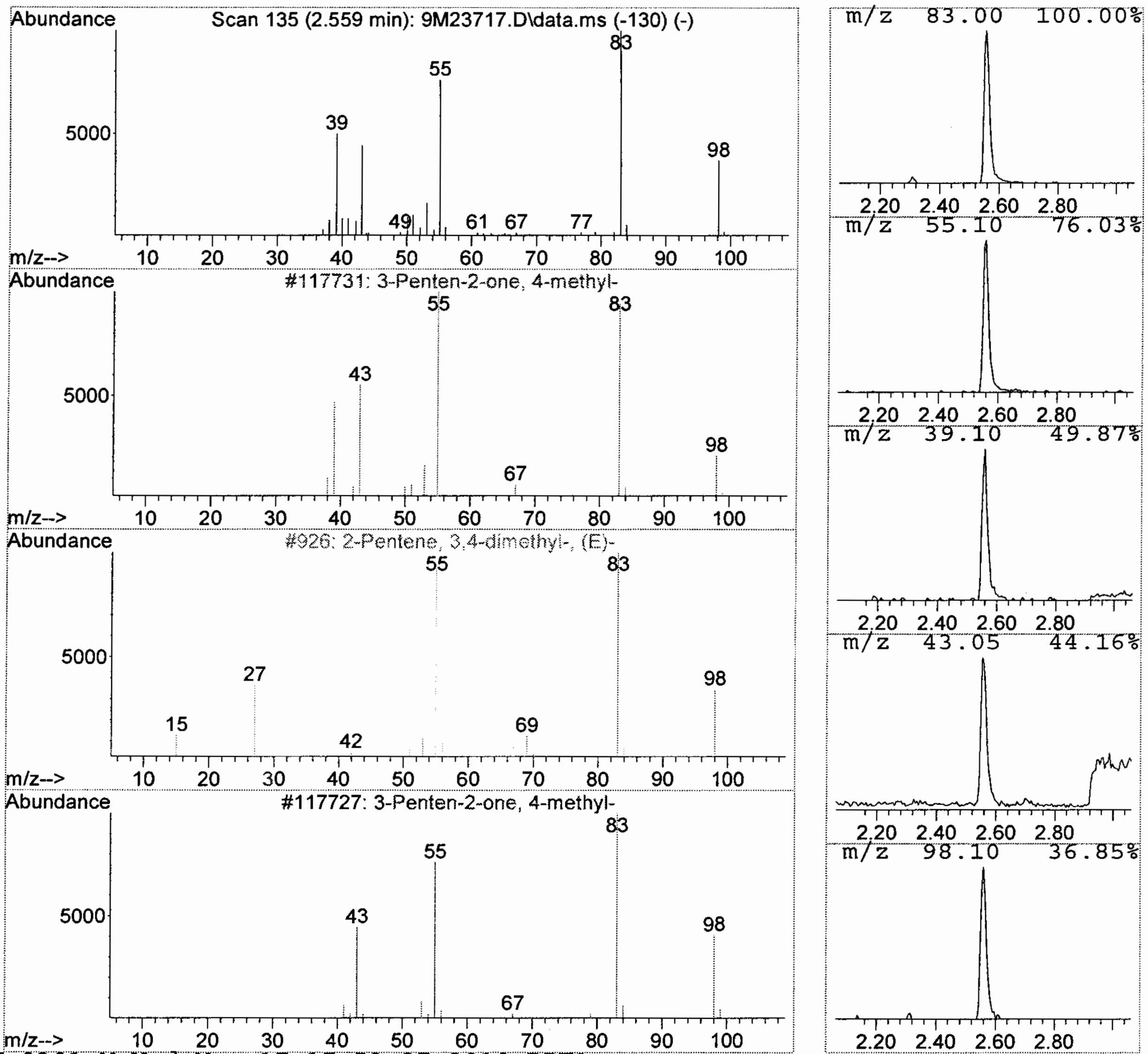
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.56	23.61 ng	141624	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	64
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	58
4	3-Hexen-2-one	98	C6H10O	000763-93-9	58
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	53



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

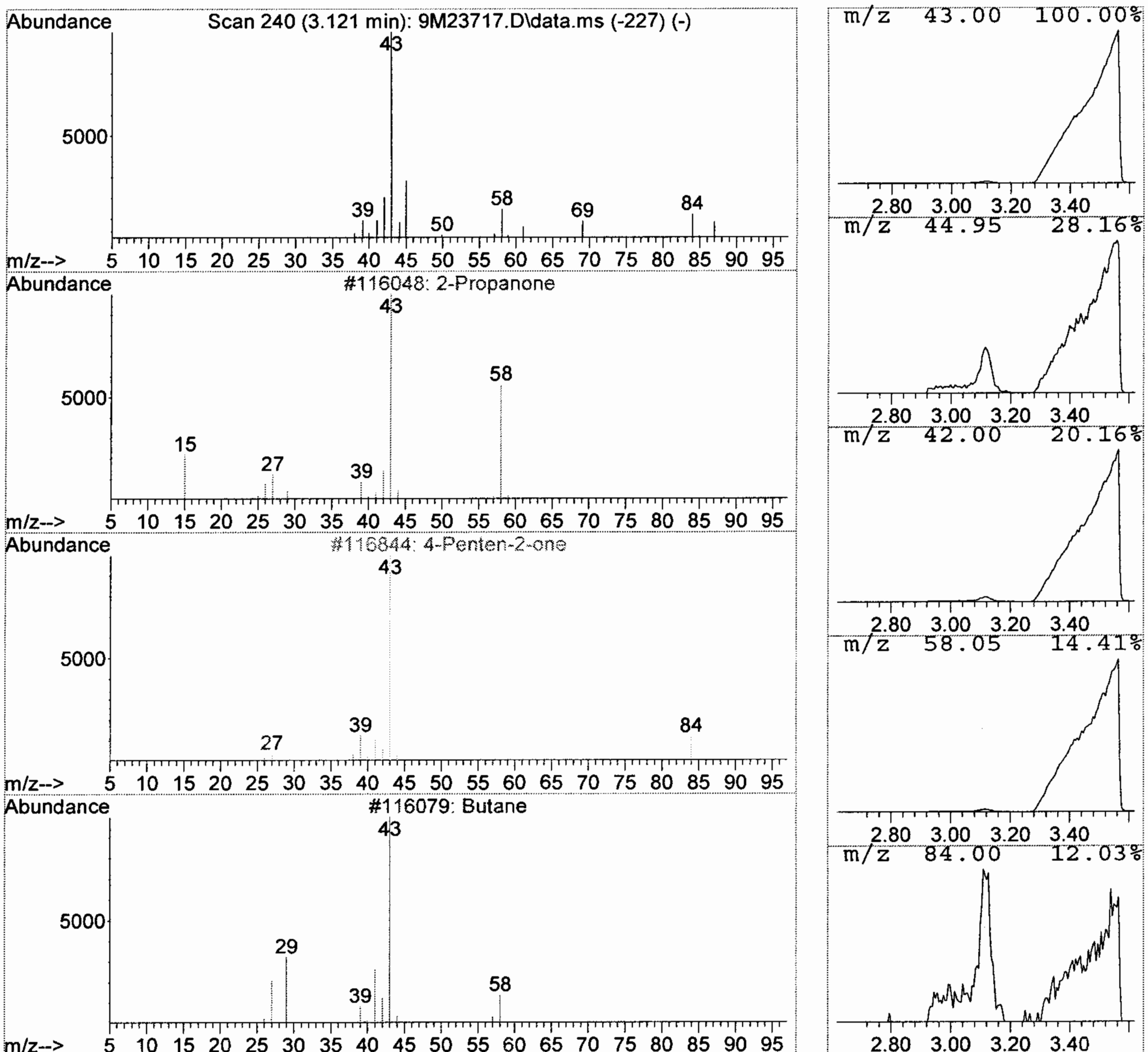
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 2 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	29.40 ng	176318	LibIS-1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone	58	C3H6O	000067-64-1	23
2	4-Penten-2-one	84	C5H8O	013891-87-7	16
3	Butane	58	C4H10	000106-97-8	9
4	Butane	58	C4H10	000106-97-8	9
5	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	9



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

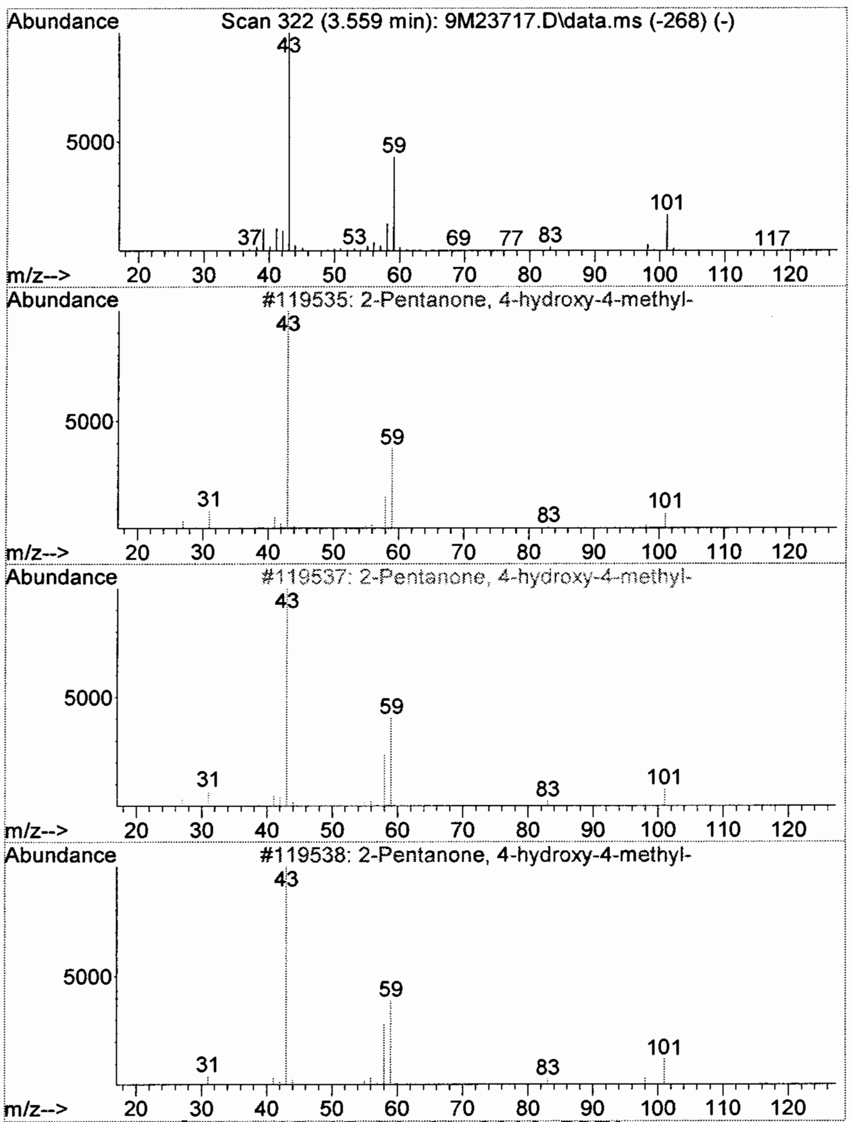
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

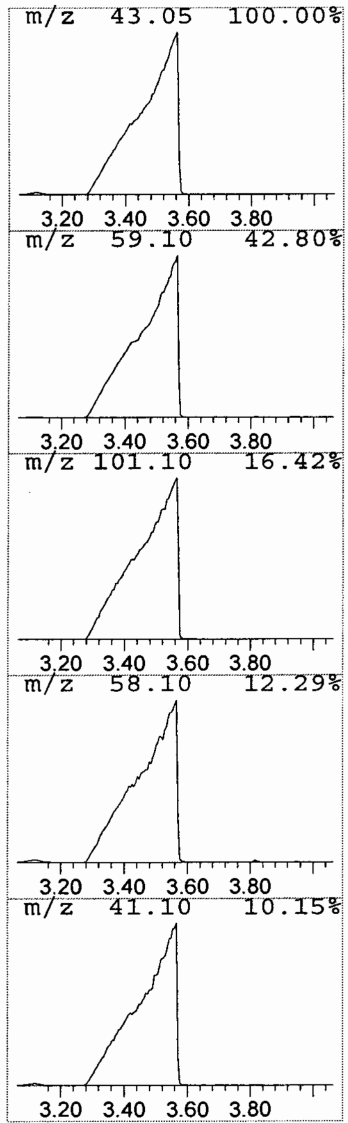
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	5823.88 ng	34927689	LibIS-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	72
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	1-Propanamine	59	C3H9N	000107-10-8	40
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,mg,625,8270

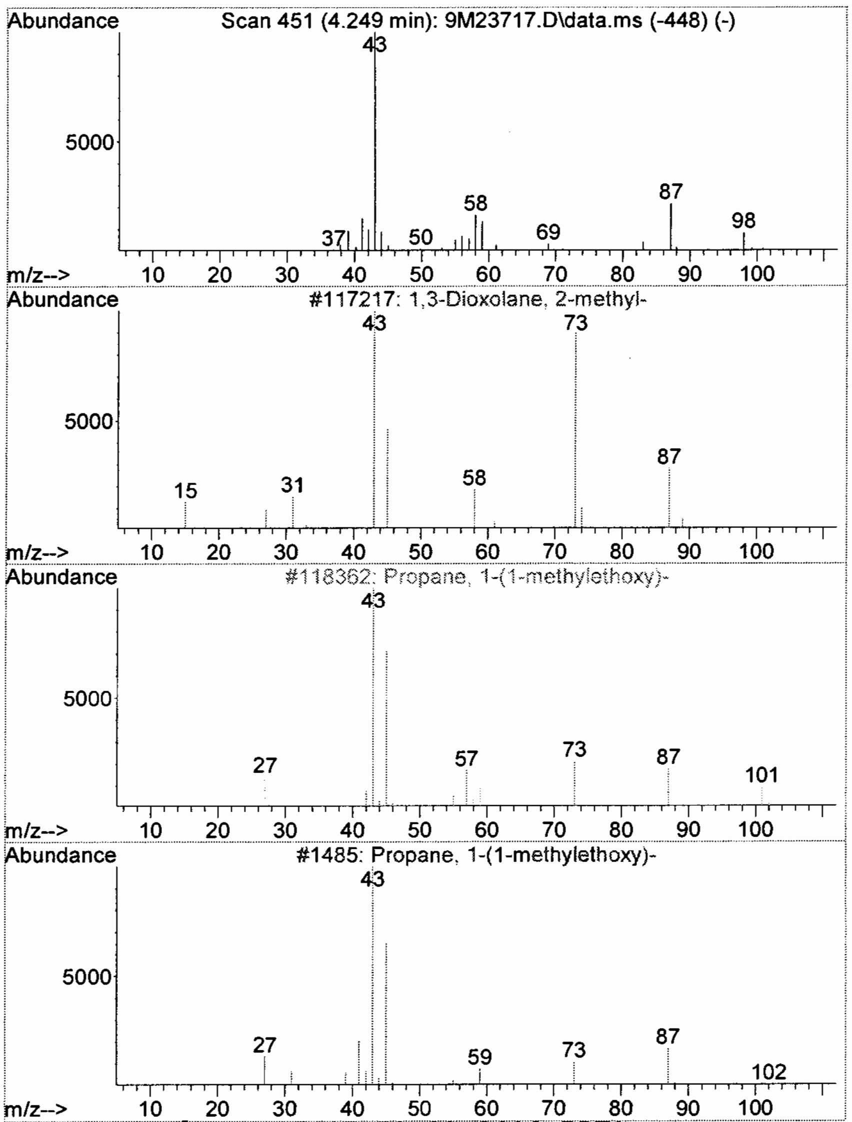
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

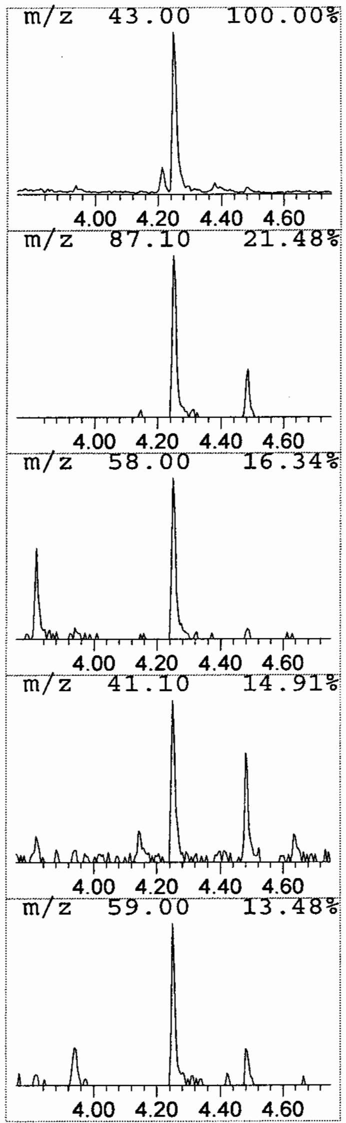
****

Peak Number 4 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	12.16 ng	72948	LibIS-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	38
2	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	38
3	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	36
4	1,3-Dioxane	88	C4H8O2	000505-22-6	16
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	10





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_9\Data\03-12-10\
Data File : 9M23717.D
Acq On : 12 Mar 2010 15:40
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0301.M
Quant Title : @GCMS_9,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
3-Penten-2-one, 4...	2.56	23.6	ng	141624	1	5.08	5.08	239893	40.0
unknown	3.12	29.4	ng	176318	1	5.08	5.08	239893	40.0
2-Pentanone, 4-hy...	3.56	5823.9	ng	34927689	1	5.08	5.08	239893	40.0
unknown	4.25	12.2	ng	72948	1	5.08	5.08	239893	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4438
Client Id:
Data File: 5M55991.D
Analysis Date: 03/15/10 11:22
Date Rec/Extracted: NA-03/12/10
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	191-24-2	Benzo[g,h,i]perylene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U	207-08-9	Benzo[k]fluoranthene	0.067	U
95-95-4	2,4,5-Trichlorophenol	0.067	U	65-85-0	Benzoic Acid	0.33	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

Worksheet #: 145370

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: SMB4438
Client Id:
Data File: 5M55991.D
Analysis Date: 03/15/10 11:22
Date Rec/Extracted: NA-03/12/10

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	3.61	0.86 JA
2		unknown	3.88	0.20 J
3		unknown	3.95	0.93 J
4	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.25	65 JA
5	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	8.1 JA
6		unknown	4.90	0.33 J
7		unknown	6.67	0.25 J

Worksheet #: 145370

Total Tentativelv Identified Concentration 76

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)

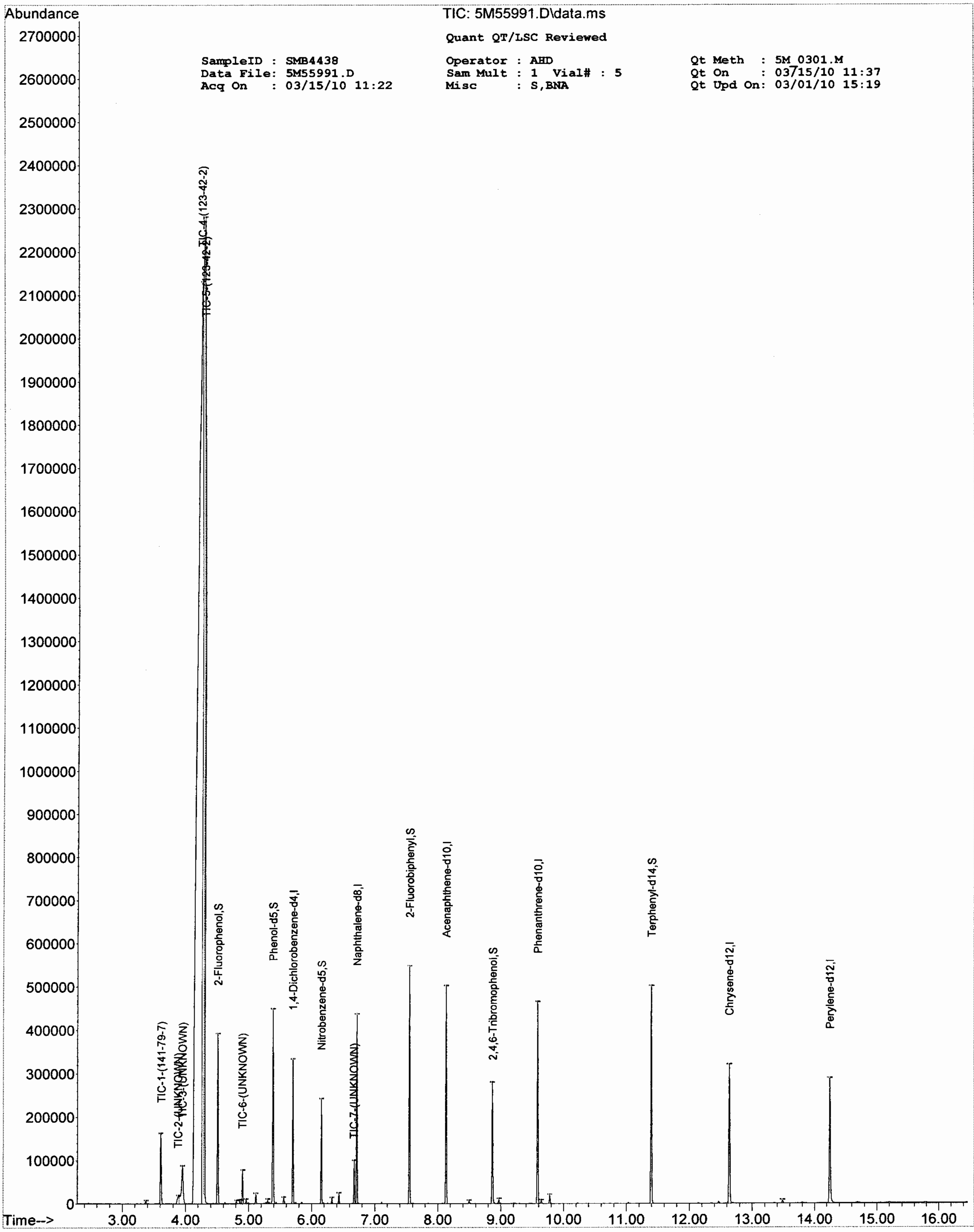
SampleID : SMB4438 Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M55991.D Sam Mult : 1 Vial# : 5 Qt On : 03/15/10 11:37
Acq On : 03/15/10 11:22 Misc : S,BNA Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.701	152	43239	40.00 ng	-0.10
29) Naphthalene-d8	6.716	136	164280	40.00 ng	-0.10
47) Acenaphthene-d10	8.132	164	95227	40.00 ng	-0.12
73) Phenanthrene-d10	9.585	188	168818	40.00 ng	-0.13
87) Chrysene-d12	12.635	240	129948	40.00 ng	-0.14
102) Perylene-d12	14.249	264	114579	40.00 ng	-0.16
System Monitoring Compounds					
10) 2-Fluorophenol	4.510	112	100652	64.96 ng	-0.08
Spiked Amount 100.000			Recovery =	64.96%	
15) Phenol-d5	5.386	99	144784	67.46 ng	-0.10
Spiked Amount 100.000			Recovery =	67.46%	
30) Nitrobenzene-d5	6.155	128	29826	42.49 ng	-0.10
Spiked Amount 50.000			Recovery =	84.98%	
52) 2-Fluorobiphenyl	7.549	172	141483	45.08 ng	-0.11
Spiked Amount 50.000			Recovery =	90.16%	
76) 2,4,6-Tribromophenol	8.869	330	24050	91.44 ng	-0.12
Spiked Amount 100.000			Recovery =	91.44%	
90) Terphenyl-d14	11.396	244	173981	48.59 ng	-0.13
Spiked Amount 50.000			Recovery =	97.18%	
Target Compounds					Qvalue
Library Search Internal Standards TIC Results					
1) 1,4-Dichlorobenzene-d4	5.701		249060	40.00 ng	--
2) Naphthalene-d8	6.716		337313	40.00 ng	--
3) Acenaphthene-d10	8.132		398171	40.00 ng	--
4) Phenanthrene-d10	9.585		425247	40.00 ng	--
5) Chrysene-d12	12.635		324171	40.00 ng	--
6) Perylene-d12	14.249		327931	40.00 ng	--
Library Search Compounds					
1) 141-79-7	3.610		160543	25.78 ng	90
2) UNKNOWN	3.880		37531	6.03 ng	--
3) UNKNOWN	3.950		173477	27.86 ng	--
4) 123-42-2	4.250		12091894	1942.00 ng	50
5) 123-42-2	4.300		1510914	242.66 ng	50
6) UNKNOWN	4.900		61684	9.91 ng	--
7) UNKNOWN	6.670		63261	7.50 ng	--

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

lw


Abundance
TIC: 5M55991.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4438
Data File: 5M55991.D
Acq On : 03/15/10 11:22
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/15/10 11:37
Qt Upd On: 03/01/10 15:19
TIC-1-(141-79-7)
TIC-2-(UNKNOWN)
TIC-3-(UNKNOWN)
TIC-5-(123-42-2)
TIC-4-(123-42-2)
2-Fluorophenol,S
TIC-6-(UNKNOWN)
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
TIC-7-(UNKNOWN)
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-->
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
0 100000 200000 300000 400000 500000 600000 700000 800000 900000 1000000 1100000 1200000 1300000 1400000 1500000 1600000 1700000 1800000 1900000 2000000 2100000 2200000 2300000 2400000 2500000 2600000 2700000

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On : 15 Mar 2010 11:22
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M55991.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.372	201	204	207	rVB	5545	5773	0.05%	0.032%
2	3.607	244	248	261	rVB	160437	160543	1.33%	0.878%
3	3.885	294	300	303	rBV2	17484	37531	0.31%	0.205%
4	3.949	303	312	324	rVB	85067	173477	1.43%	0.949%
5	4.253	342	369	370	rBV	2129503	12091894	100.00%	66.132%
6	4.301	376	378	380	rVB	2256996	1510914	12.50%	8.263%
7	4.510	413	417	427	rVB	389768	321403	2.66%	1.758%
8	4.809	470	473	477	rBV	5762	5126	0.04%	0.028%
9	4.862	480	483	487	rBV	6785	4886	0.04%	0.027%
10	4.905	487	491	499	rVV	75590	61684	0.51%	0.337%
11	4.964	499	502	506	rVB	8688	6588	0.05%	0.036%
12	5.113	528	530	535	rVB	21606	17200	0.14%	0.094%
13	5.306	563	566	568	rBV	8492	6317	0.05%	0.035%
14	5.386	577	581	589	rVB	445826	368710	3.05%	2.017%
15	5.557	609	613	615	rBV	12950	11197	0.09%	0.061%
16	5.701	637	640	644	rBV	331493	248157	2.05%	1.357%
17	6.155	721	725	728	rBV	239892	181239	1.50%	0.991%
18	6.321	754	756	760	rBV	12153	9182	0.08%	0.050%
19	6.433	774	777	781	rVB	22723	16133	0.13%	0.088%
20	6.673	819	822	826	rBV	96741	63261	0.52%	0.346%
21	6.716	826	830	833	rBV	434070	332884	2.75%	1.821%
22	7.549	982	986	990	rBV	546210	403718	3.34%	2.208%
23	8.132	1091	1095	1099	rBV	500704	397597	3.29%	2.175%
24	8.495	1160	1163	1166	rBV	5783	4602	0.04%	0.025%
25	8.864	1228	1232	1240	rBV	278369	252453	2.09%	1.381%
26	8.970	1249	1252	1256	rBV	9349	8133	0.07%	0.044%
27	9.585	1362	1367	1371	rBV	463481	425111	3.52%	2.325%
28	9.644	1373	1378	1382	rVB	6623	5992	0.05%	0.033%
29	9.777	1400	1403	1407	rBB	19218	15011	0.12%	0.082%
30	11.396	1701	1706	1717	rBV	500398	479286	3.96%	2.621%
31	12.635	1933	1938	1947	rBV	318649	324188	2.68%	1.773%
32	13.485	2094	2097	2101	rVB2	6479	6557	0.05%	0.036%
33	14.249	2233	2240	2258	rBV	286548	327598	2.71%	1.792%

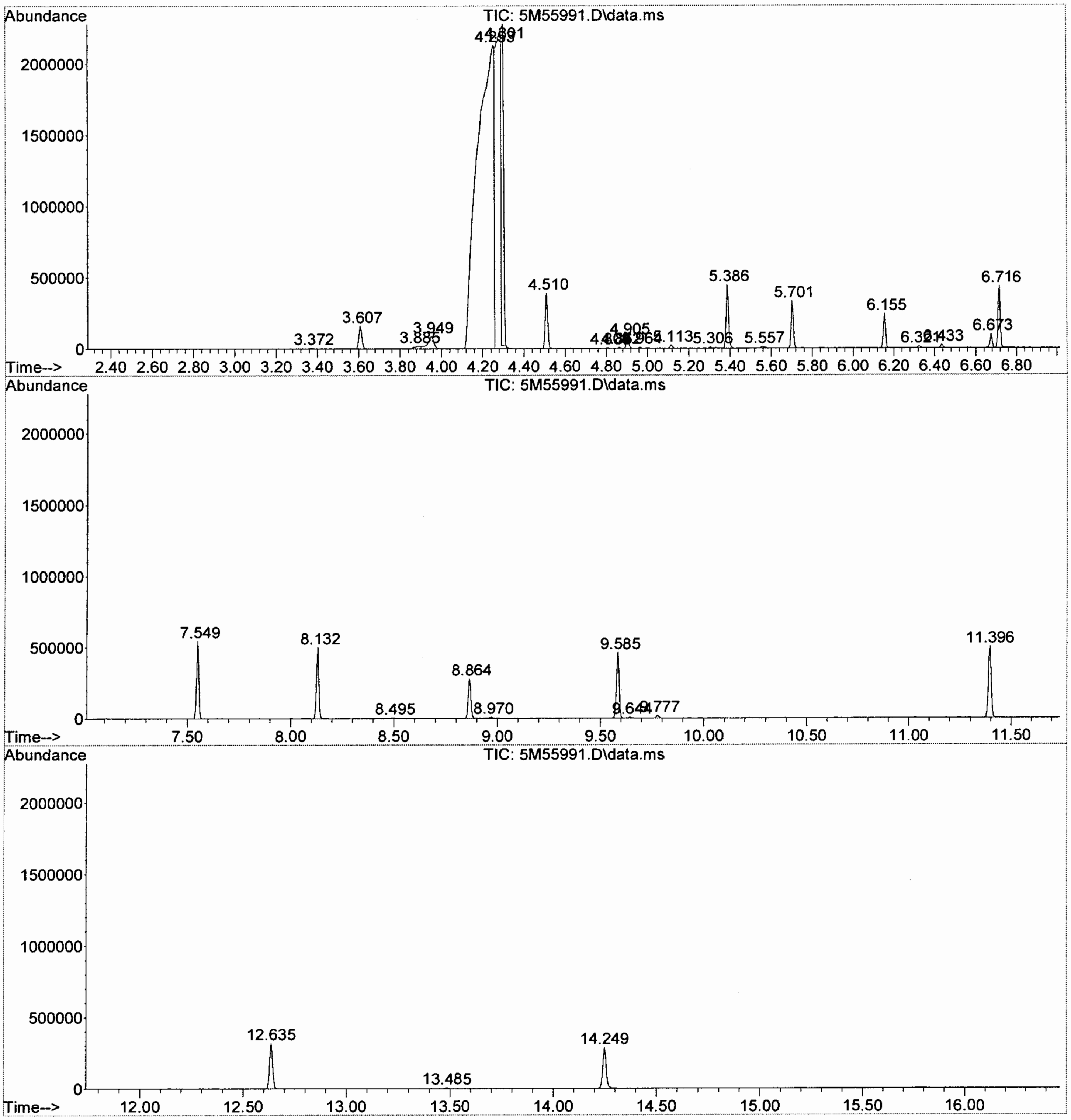
Sum of corrected areas: 18284345

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On : 15 Mar 2010 11:22
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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



Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On    : 15 Mar 2010  11:22
Operator  : AHD
Sample    : SMB4438
Misc      : S,BNA
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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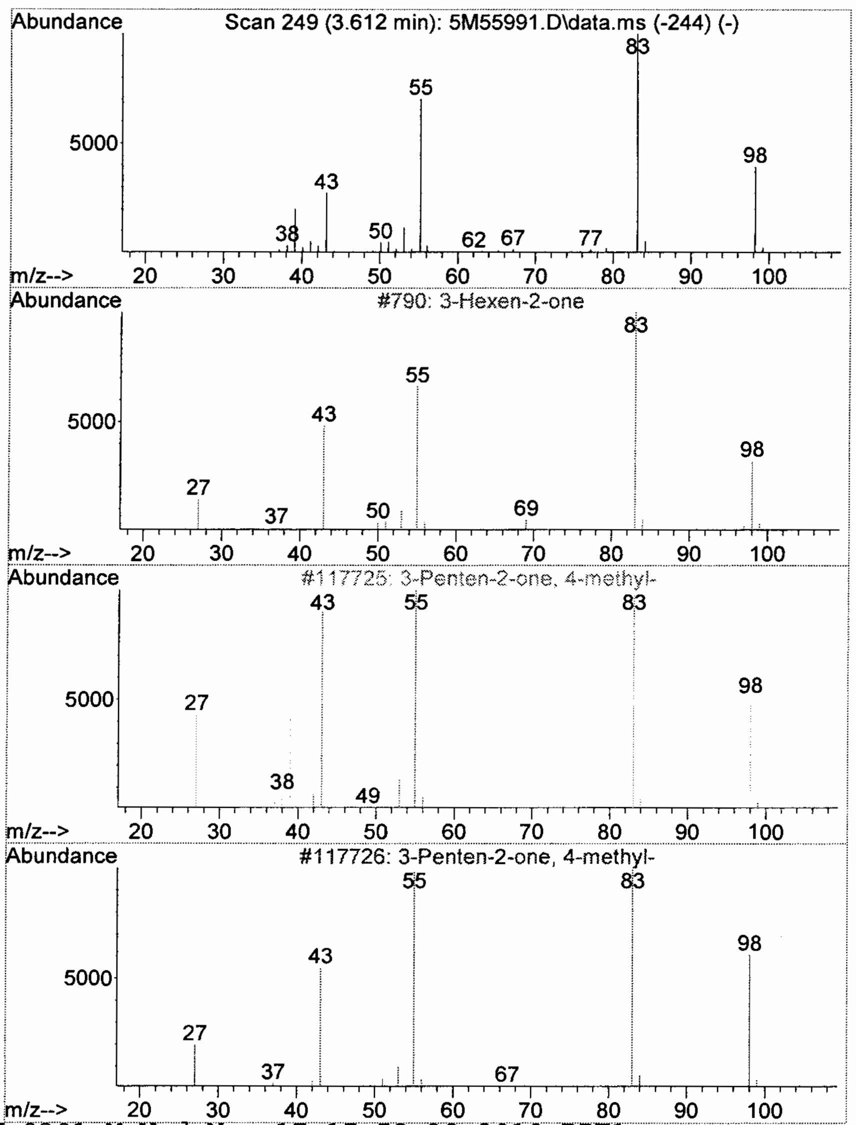
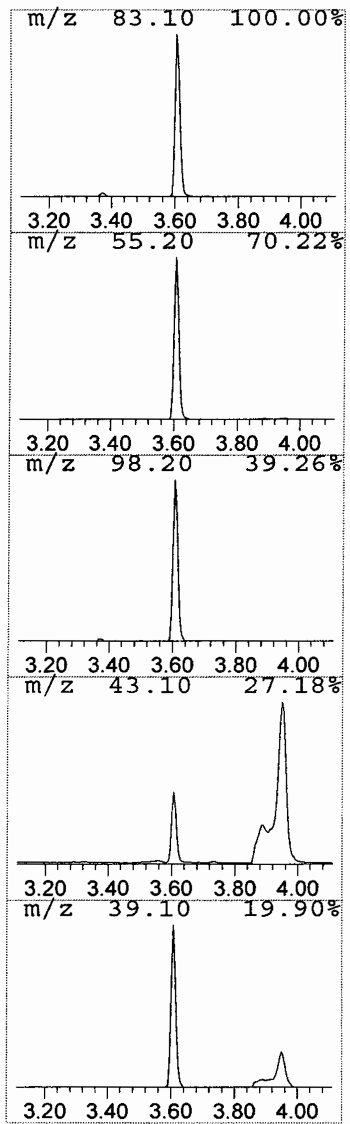

****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	25.78 ng	160543	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On    : 15 Mar 2010  11:22
Operator  : AHD
Sample    : SMB4438
Misc      : S,BNA
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

*********************************************************************
Peak Number  2  unknown                      Concentration Rank  7

  R.T.   EstConc          Area       Relative to ISTD         R.T.
---------------------------------------------------------------------
  3.88    6.03 ng         37531    LibIS-1,4-Dichlorobenzene-d4   5.70

 Hit# of  5    Tentative ID               MW  MolForm        CAS#        Qual
---------------------------------------------------------------------
 1 Acetic acid, 1-methylethyl ester     102 C5H10O2        000108-21-4 28
 2 Butane                                58 C4H10          000106-97-8 9
 3 Butane                                58 C4H10          000106-97-8 9
 4 1-Pentanol, 2-methyl-                102 C6H14O         000105-30-6 9
 5 1-Pentanol, 2-methyl-, acetate       144 C8H16O2        007789-99-3 9
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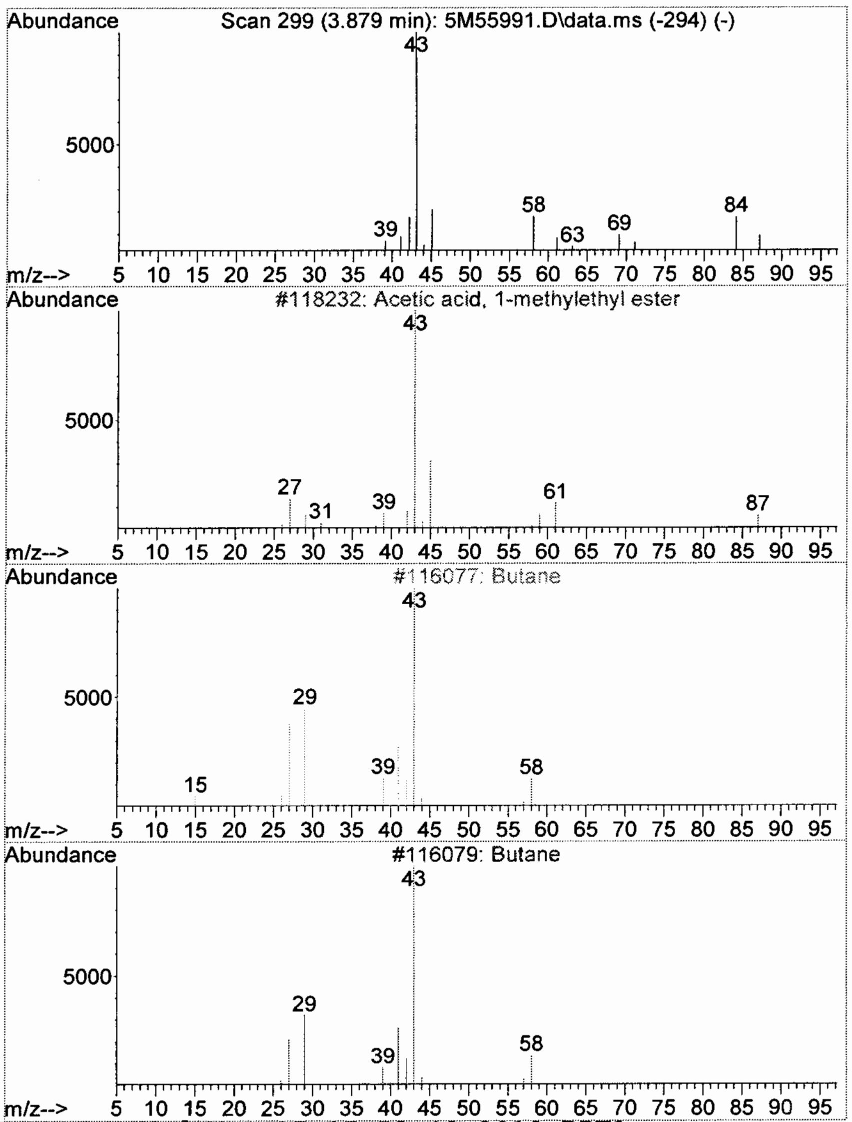

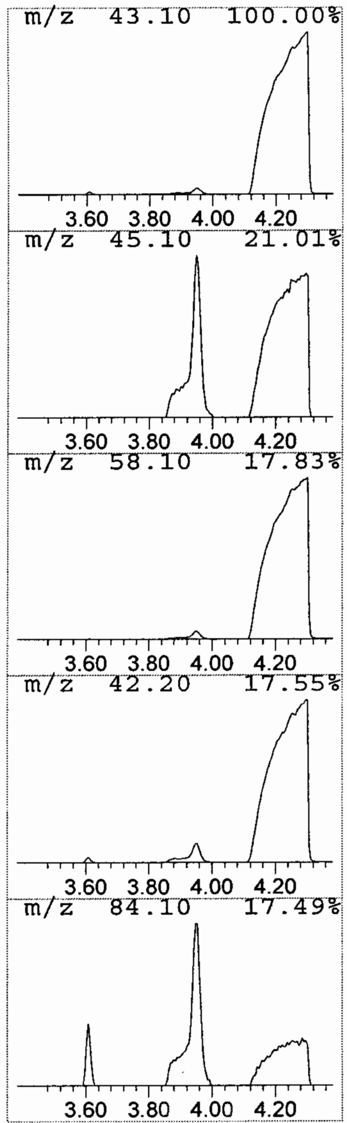

Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On    : 15 Mar 2010  11:22
Operator  : AHD
Sample    : SMB4438
Misc      : S,BNA
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

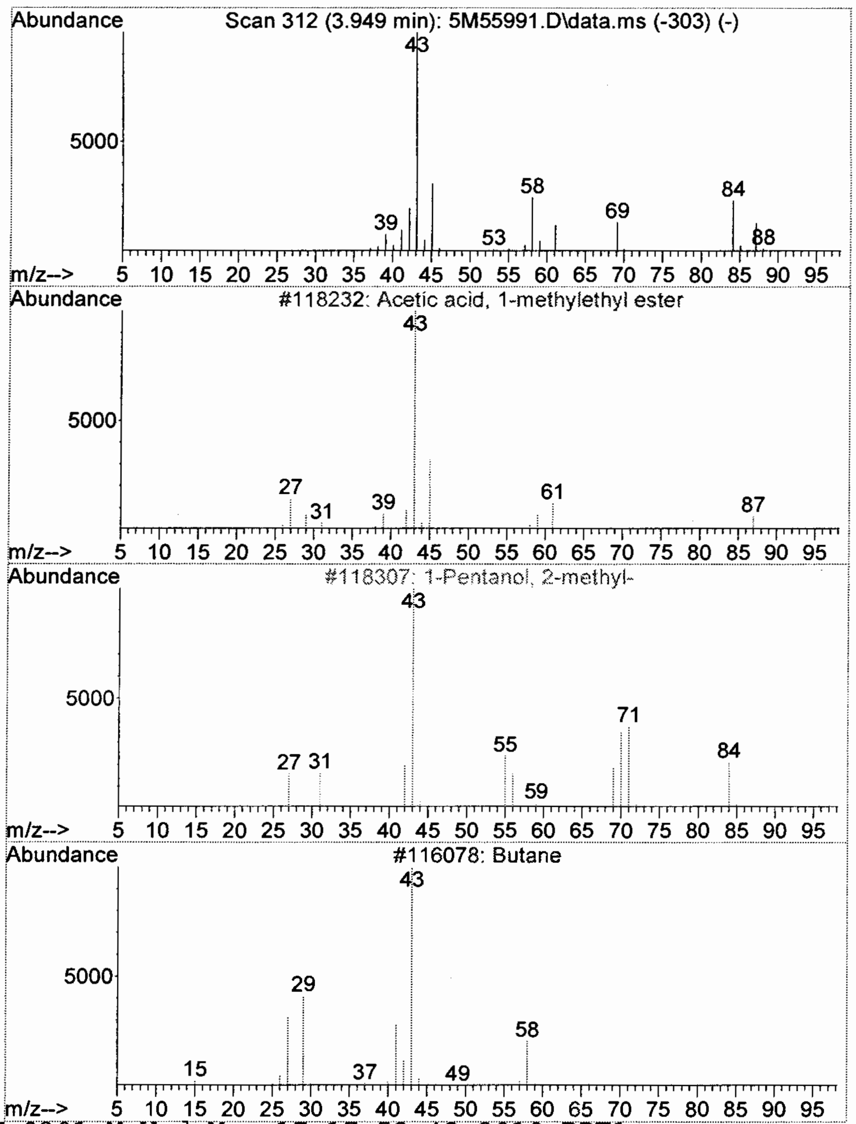
TIC Library    : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
```

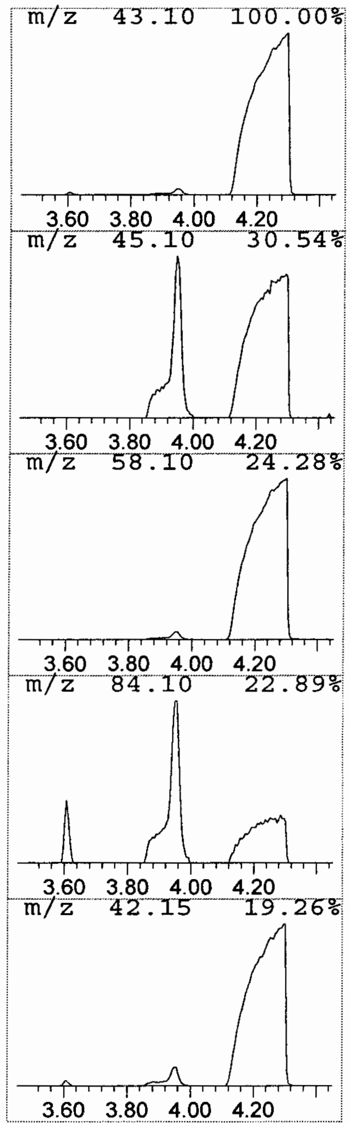
****

Peak Number 3 unknown   Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	27.86 ng	173477	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	32
2	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	23
3	Butane	58	C4H10	000106-97-8	12
4	Butane	58	C4H10	000106-97-8	9
5	2-Propanone	58	C3H6O	000067-64-1	9





Library Search Compound Report

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Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On    : 15 Mar 2010  11:22
Operator  : AHD
Sample    : SMB4438
Misc      : S,BNA
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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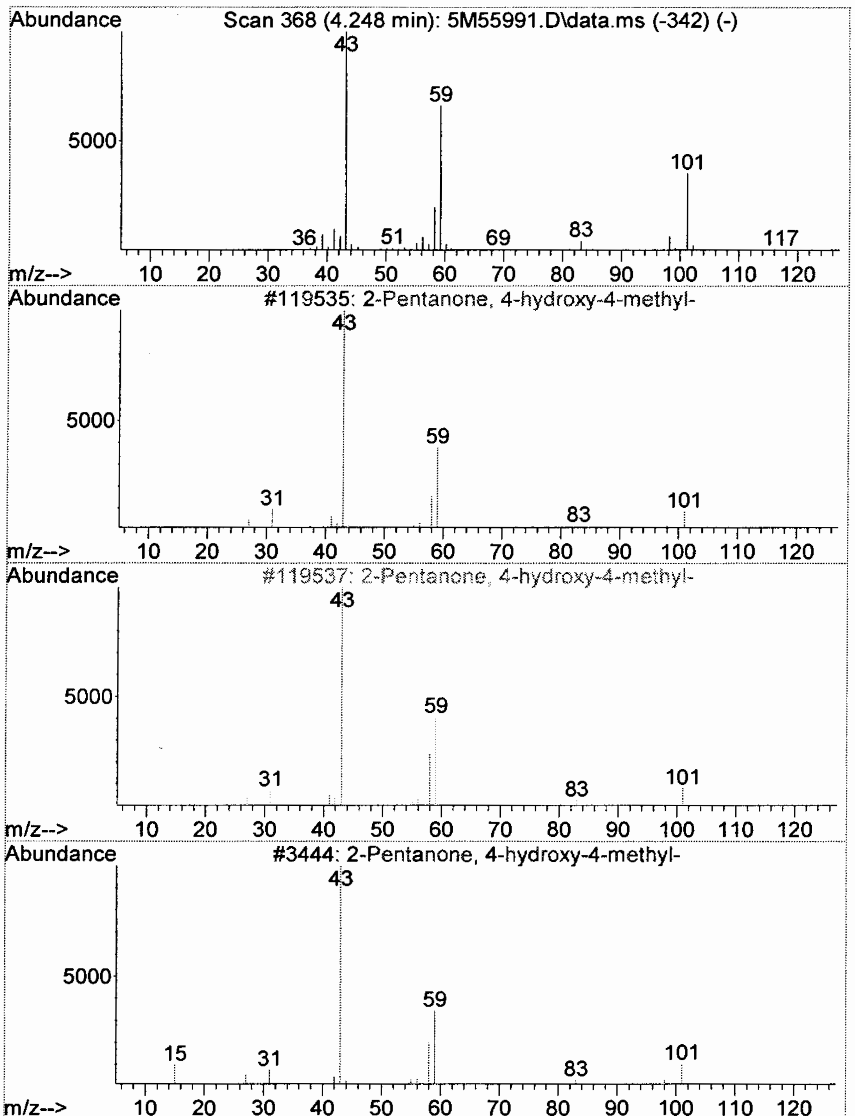
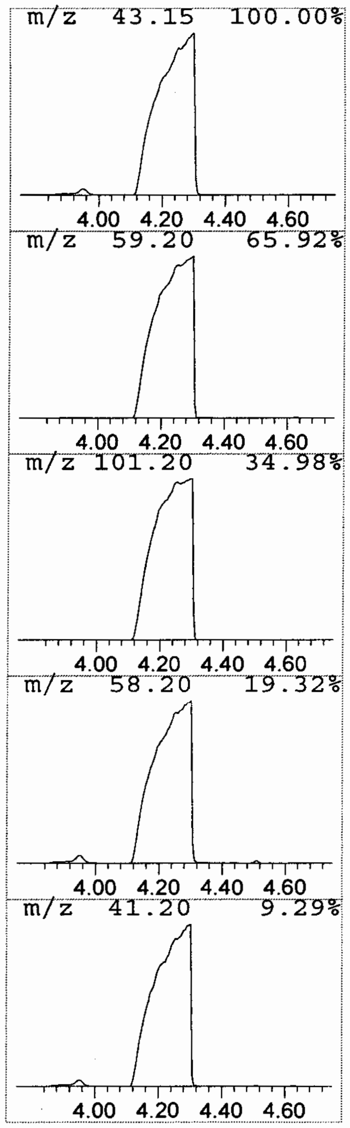

****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	1942.00 ng	12091894	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On : 15 Mar 2010 11:22
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

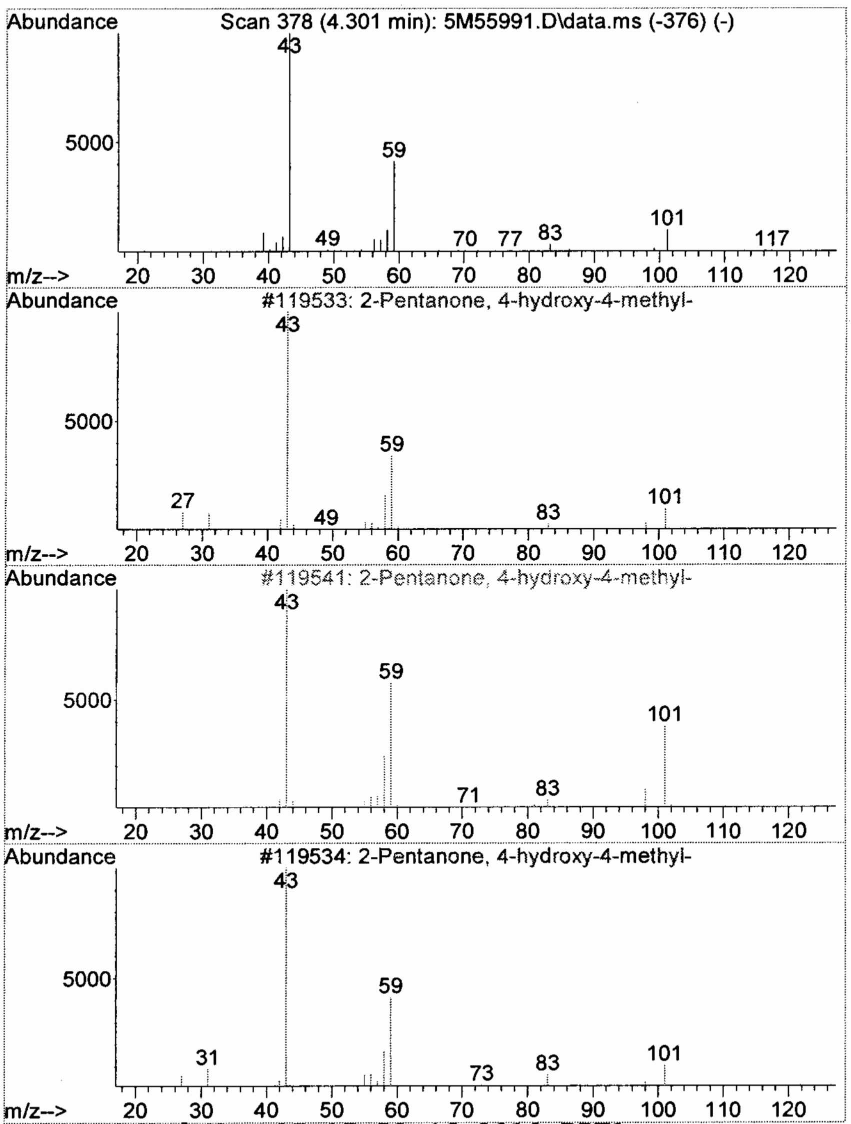
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

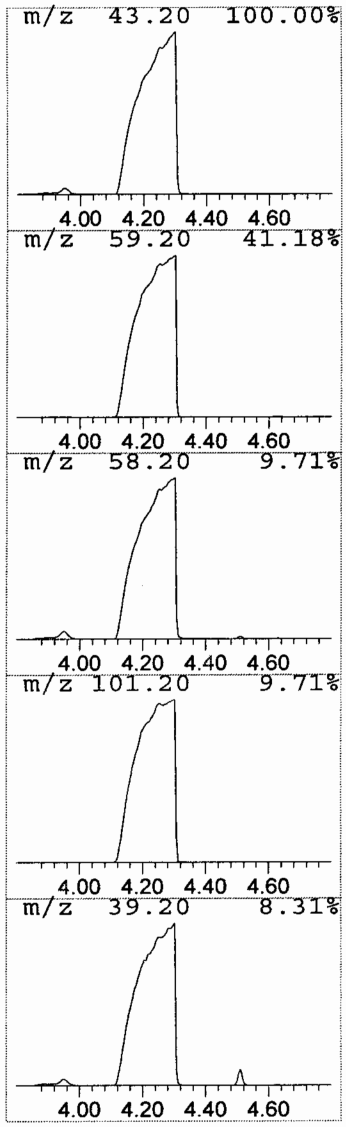
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	242.66 ng	1510914	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
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	39
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39





Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On : 15 Mar 2010 11:22
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

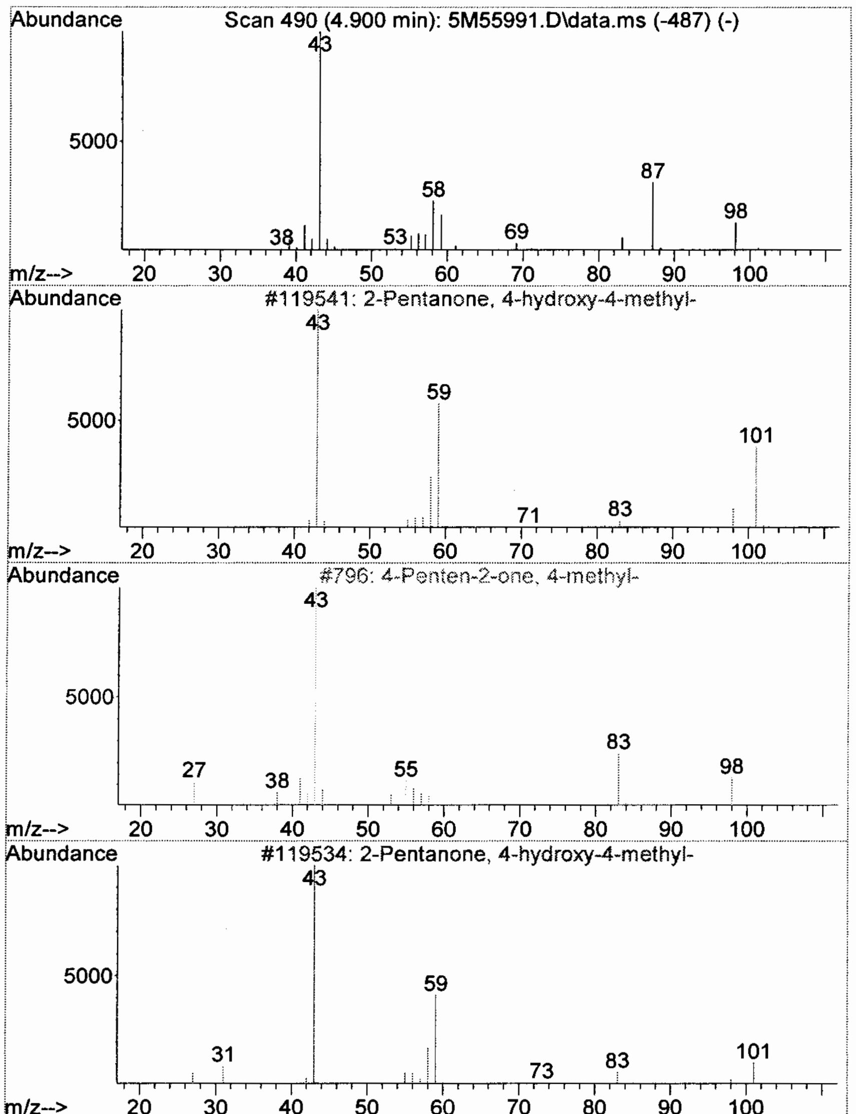
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

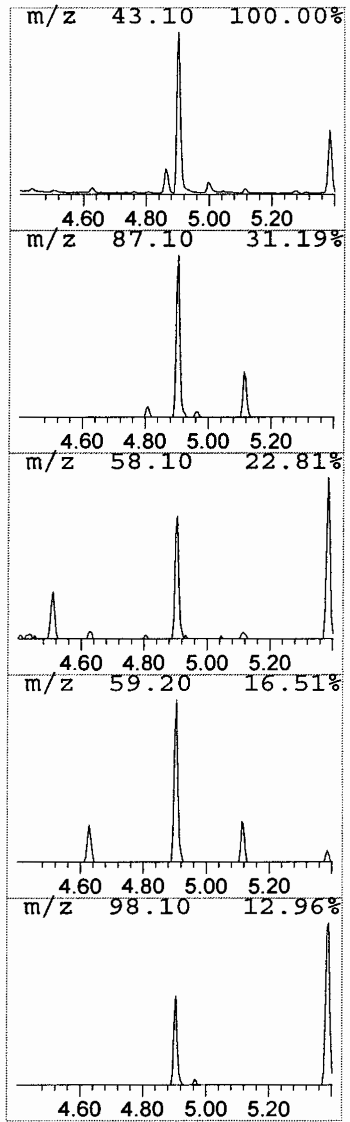
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	9.91 ng	61684	LibIS-1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	22
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
4	3-PYRROLIDINOL	87	C4H9NO	040499-83-0	9
5	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	9



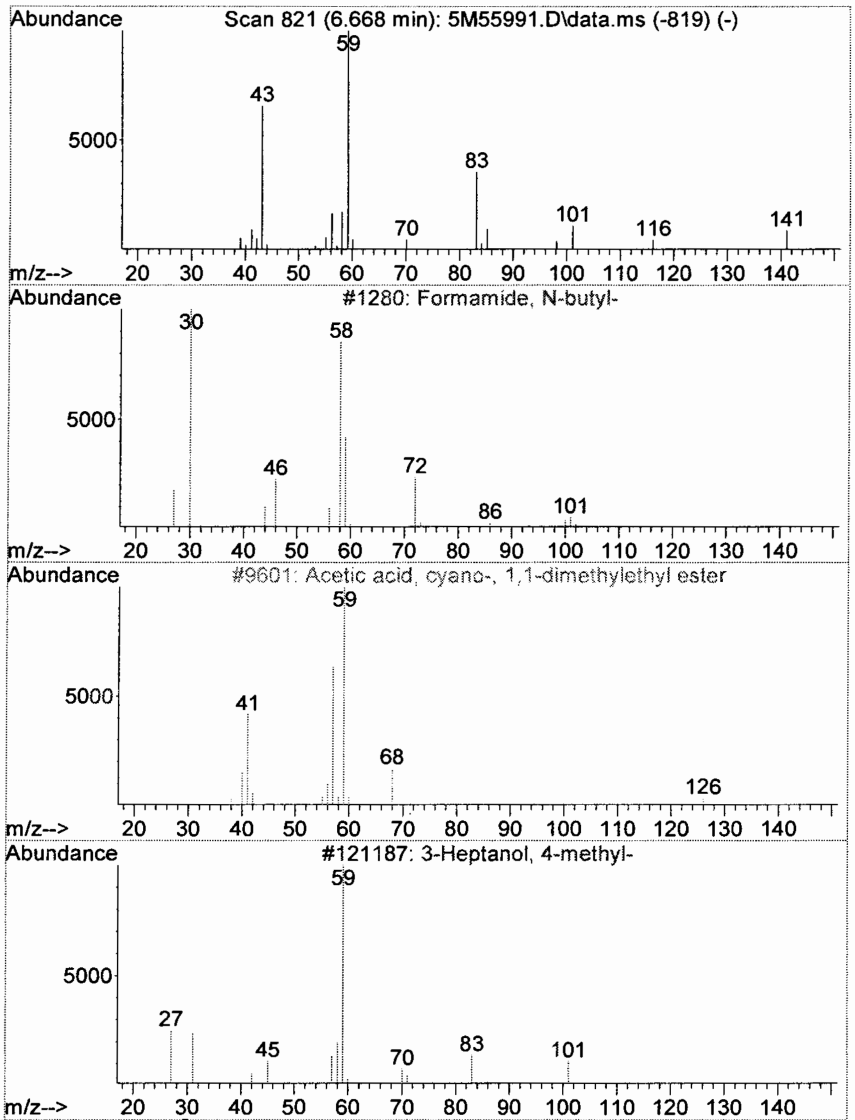


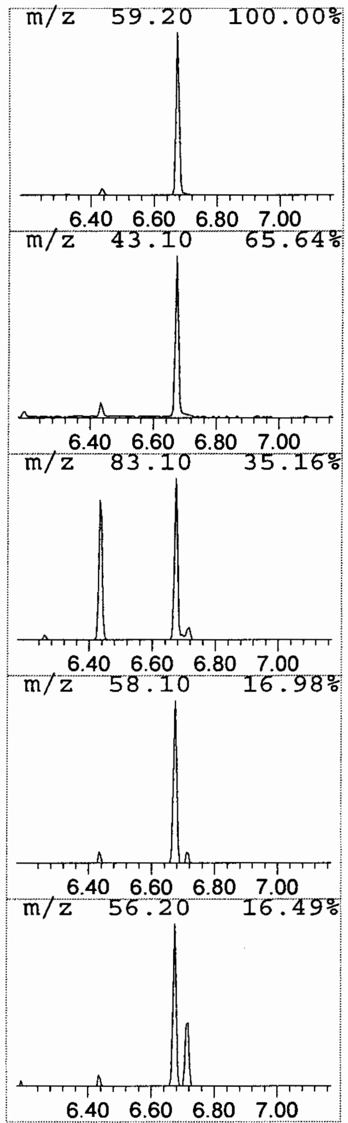
Library Search Compound Report

```
Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On    : 15 Mar 2010  11:22
Operator  : AHD
Sample    : SMB4438
Misc      : S,BNA
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title  : @GCMS_5,mg,625,8270

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

**********************************************************************
Peak Number  7  unknown                         Concentration Rank  6
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	7.50 ng	63261	LibIS-Naphthalene-d8	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-butyl-	101	C5H11NO	000871-71-6	38
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	38
3	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	36
4	Butanoic acid, 3-oxo-, 1,1-dimet...	158	C8H14O3	001694-31-1	33
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	33





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Data File : 5M55991.D
Acq On : 15 Mar 2010 11:22
Operator : AHD
Sample : SMB4438
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0301.M
Quant Title : @GCMS_5,mg,625,8270

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	ExpRT	ActRt	Resp	Conc
3-Penten-2-one, 4...	3.61	25.8	ng	160543	1	5.70	5.70	249060	40.0
unknown	3.88	6.0	ng	37531	1	5.70	5.70	249060	40.0
unknown	3.95	27.9	ng	173477	1	5.70	5.70	249060	40.0
2-Pentanone, 4-hy...	4.25	1942.0	ng	12091894	1	5.70	5.70	249060	40.0
2-Pentanone, 4-hy...	4.30	242.7	ng	1510914	1	5.70	5.70	249060	40.0
unknown	4.90	9.9	ng	61684	1	5.70	5.70	249060	40.0
unknown	6.67	7.5	ng	63261	2	6.72	6.72	337313	40.0

Form3

MBS Data

Method: 8270

Data File:====> 10M10442.D

Data/Batch/Sample ID:====> SMB4436(MS)-So

Date/Time:====> 03/10/10 15:32

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
1,2,4-Trichlorobenz	40-129		1	0	46	50	92												
1,4-Dichlorobenzen	26-128		1	0	43.67	50	87												
2,4-Dimethylphenol	47-135		1	0	97.34	100	97												
2,4-Dinitrotoluene	30-139		1	0	46.67	50	93												
2-Chlorophenol	43-131		1	0	97.39	100	97												
2-Methylphenol	40-137		1	0	99.97	100	100												
4-Chloro-3-methylph	45-142		1	0	102.0	100	102												
4-Nitrophenol	35-146		1	0	82.17	100	82												
Acenaphthene	47-137		1	0	45.95	50	92												
Butylbenzylphthalat	45-157		1	0	46.05	50	92												
Fluorene	42-135		1	0	49.58	50	99												
Naphthalene	44-132		1	0	45.96	50	92												
N-Nitroso-di-n-propy	23-147		1	0	49.09	50	98												
Pentachlorophenol	38-132		1	0	50.57	100	51												
Phenol	35-130		1	0	89.13	100	89												
Pyrene	45-167		1	0	47.17	50	94												

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

Quantitation Report (QT Reviewed)

SampleID : SMB4436(MS)
Data File: 10M10442.D
Acq On : 03/10/10 15:32

Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : S,BNA

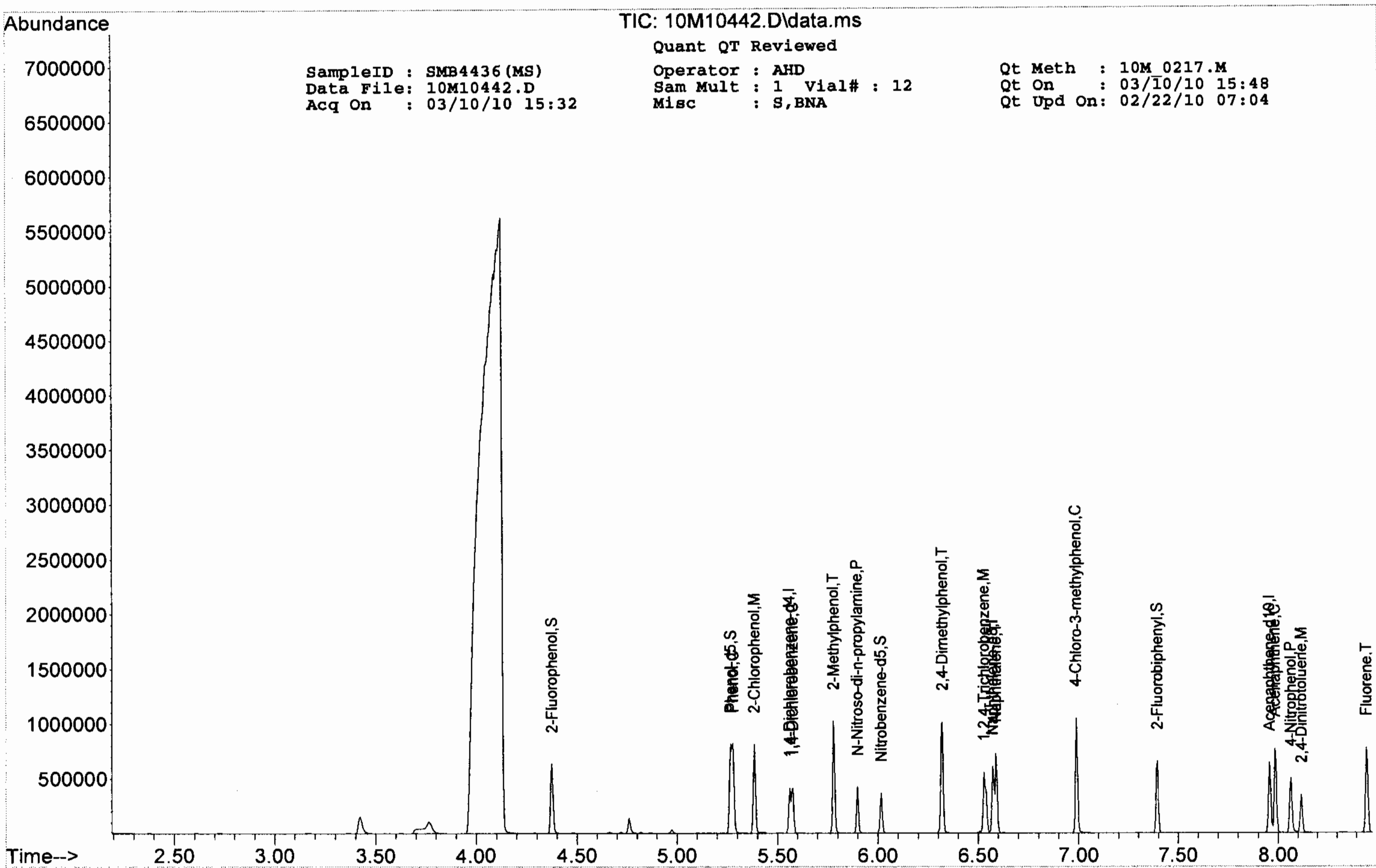
Qt Meth : 10M_0217.M
Qt On : 03/10/10 15:48
Qt Upd On: 02/22/10 07:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

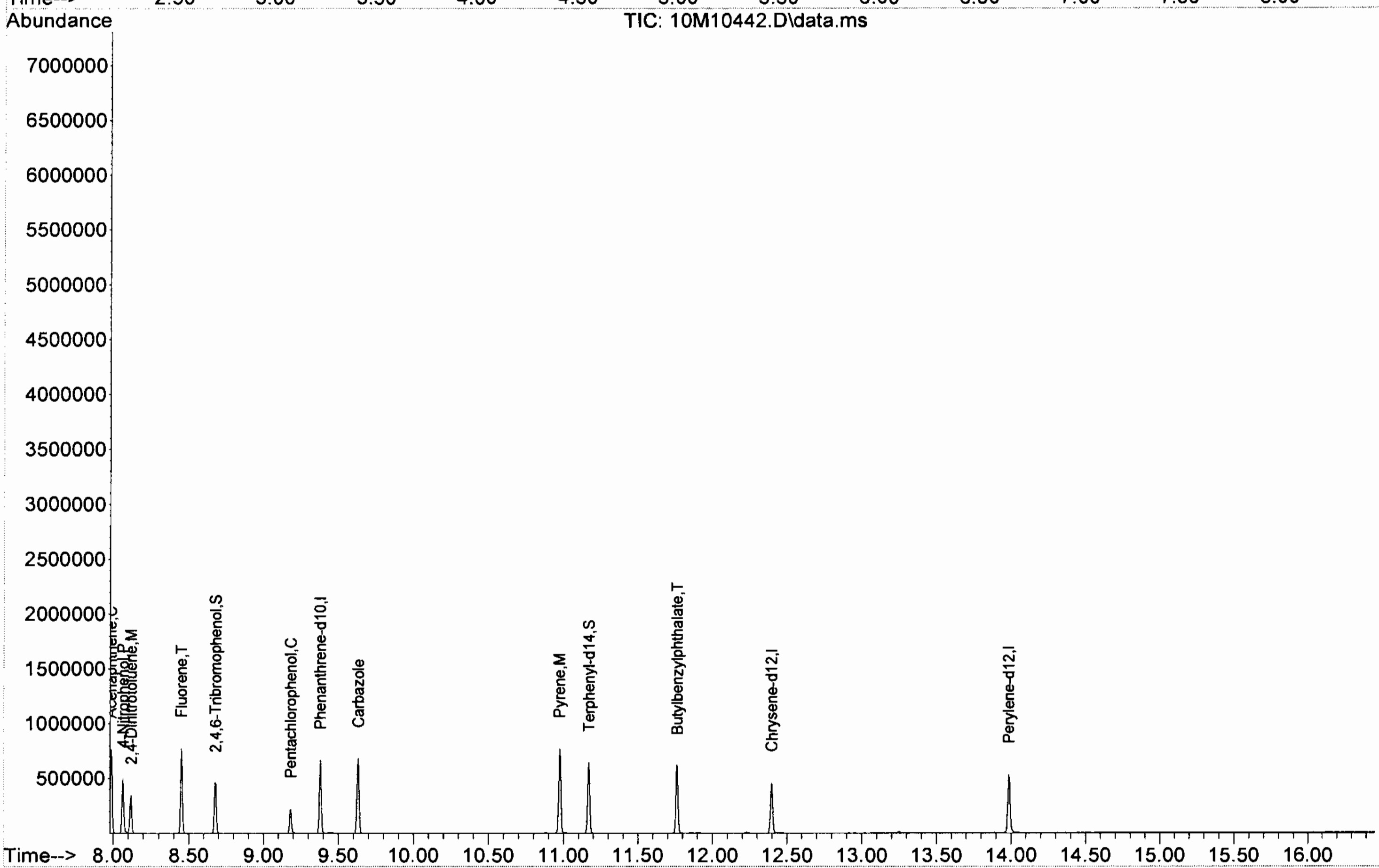
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	52118	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	214943	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	122321	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	211579	40.00 ng	-0.06
87) Chrysene-d12	12.397	240	167040	40.00 ng	-0.06
102) Perylene-d12	13.986	264	179847	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.374	112	161276	96.85 ng	-0.05
Spiked Amount 100.000			Recovery =	96.85%	
15) Phenol-d5	5.268	99	214957	103.72 ng	-0.05
Spiked Amount 100.000			Recovery =	103.72%	
30) Nitrobenzene-d5	6.016	128	41828	45.29 ng	-0.04
Spiked Amount 50.000			Recovery =	90.58%	
52) 2-Fluorobiphenyl	7.396	172	180532	45.37 ng	-0.04
Spiked Amount 50.000			Recovery =	90.74%	
76) 2,4,6-Tribromophenol	8.680	330	40045	97.32 ng	-0.05
Spiked Amount 100.000			Recovery =	97.32%	
90) Terphenyl-d14	11.173	244	208141	48.46 ng	-0.06
Spiked Amount 50.000			Recovery =	96.92%	
Target Compounds					Qvalue
16) Phenol	5.278	94	207498	89.13 ng	88
17) 2-Chlorophenol	5.385	128	173240	97.39 ng	83
20) 1,4-Dichlorobenzene	5.578	146	88698	43.67 ng	97
24) 2-Methylphenol	5.781	108	161935	99.97 ng	97
27) N-Nitroso-di-n-propyla...	5.899	70	58375	49.09 ng	85
34) 2,4-Dimethylphenol	6.321	107	176899	97.34 ng	91
38) 1,2,4-Trichlorobenzene	6.530	180	76696	46.00 ng	98
39) Naphthalene	6.589	128	249978	45.96 ng	100
43) 4-Chloro-3-methylphenol	6.990	107	159912	102.04 ng	78
61) Acenaphthene	7.985	153	169143	45.95 ng	98
65) 2,4-Dinitrotoluene	8.118	165	55160	46.67 ng	64
66) 4-Nitrophenol	8.065	65	68731	82.17 ng	95
68) Fluorene	8.450	166	198623	49.58 ng	98
81) Pentachlorophenol	9.183	266	23845	50.57 ng	95
84) Carbazole	9.632	167	293585	47.74 ng	98
88) Pyrene	10.975	202	324953	47.17 ng	96
94) Butylbenzylphthalate	11.766	149	162361	46.05 ng	69

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

R



Abundance
TIC: 10M10442.D\data.ms
Quant QT Reviewed
SampleID : SMB4436(MS)
Data File: 10M10442.D
Acq On : 03/10/10 15:32
Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : S,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 15:48
Qt Upd On: 02/22/10 07:04
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
Fluorene,T
Time-->



Abundance
TIC: 10M10442.D\data.ms
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-->

FORM 3
Spike Recovery

Batch Number: SMB4435
Mbs Name: SMB4435(MS)
Ns Name: AC50217-010
Ms Name: AC50217-010(MS)
Msd Name: AC50217-010(MSD

Mbs File: 10M10436.D
Non Spk'd File: 10M10437.D
Spike File: 10M10438.D
Spike Dup File: 10M10439.D
Matrix: Soil
Method: EPA 8270C

Mbs Date: 03/10/10 10:30
Non Spk'd Date: 03/10/10 10:52
Spike Date : 03/10/10 11:15
Spike Dup Date: 03/10/10 11:37

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	16	1	0	100	35	130	31	83.38	0.00	81.66	72.27	83	82	72	12
2-Chlorophenol	17	1	0	100	43	131	32	92.92	0.00	90.91	78.12	93	91	78	15
1,4-Dichlorobenzene	20	1	0	50	26	128	41	40.13	0.00	39.30	35.43	80	79	71	10
2-Methylphenol	24	1	0	100	40	137	32	93.29	0.00	92.15	79.84	93	92	80	14
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	45.38	0.00	46.18	40.04	91	92	80	14
2,4-Dimethylphenol	34	1	0	100	47	135	32	87.09	0.00	91.85	81.40	87	92	81	12
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	41.88	0.00	28.22	27.31	84	56	55	3.3
Naphthalene	39	1	0	50	44	132	41	42.33	0.00	41.80	38.02	85	84	76	9.5
4-Chloro-3-methylphe	43	1	0	100	45	142	32	92.20	0.00	94.07	83.04	92	94	83	12
Acenaphthene	61	1	0	50	47	137	58	43.20	0.00	41.67	36.88	86	83	74	12
2,4-Dinitrotoluene	65	1	0	50	30	139	47	45.39	0.00	42.92	37.80	91	86	76	13
4-Nitrophenol	66	1	0	100	35	146	36	80.99	0.00	82.64	72.17	81	83	72	14
Fluorene	68	1	0	50	42	135	43	46.76	0.00	45.41	40.29	94	91	81	12
Pentachlorophenol	81	1	0	100	38	132	37	93.64	0.00	80.97	75.32	94	81	75	7.2
Pyrene	88	1	0	50	45	167	53	44.25	2.94	43.25	37.88	88	81	70	13
Butylbenzylphthalate	94	1	0	50	45	157	40	42.78	0.00	44.30	37.82	86	89	76	16

Note:
Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**
^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

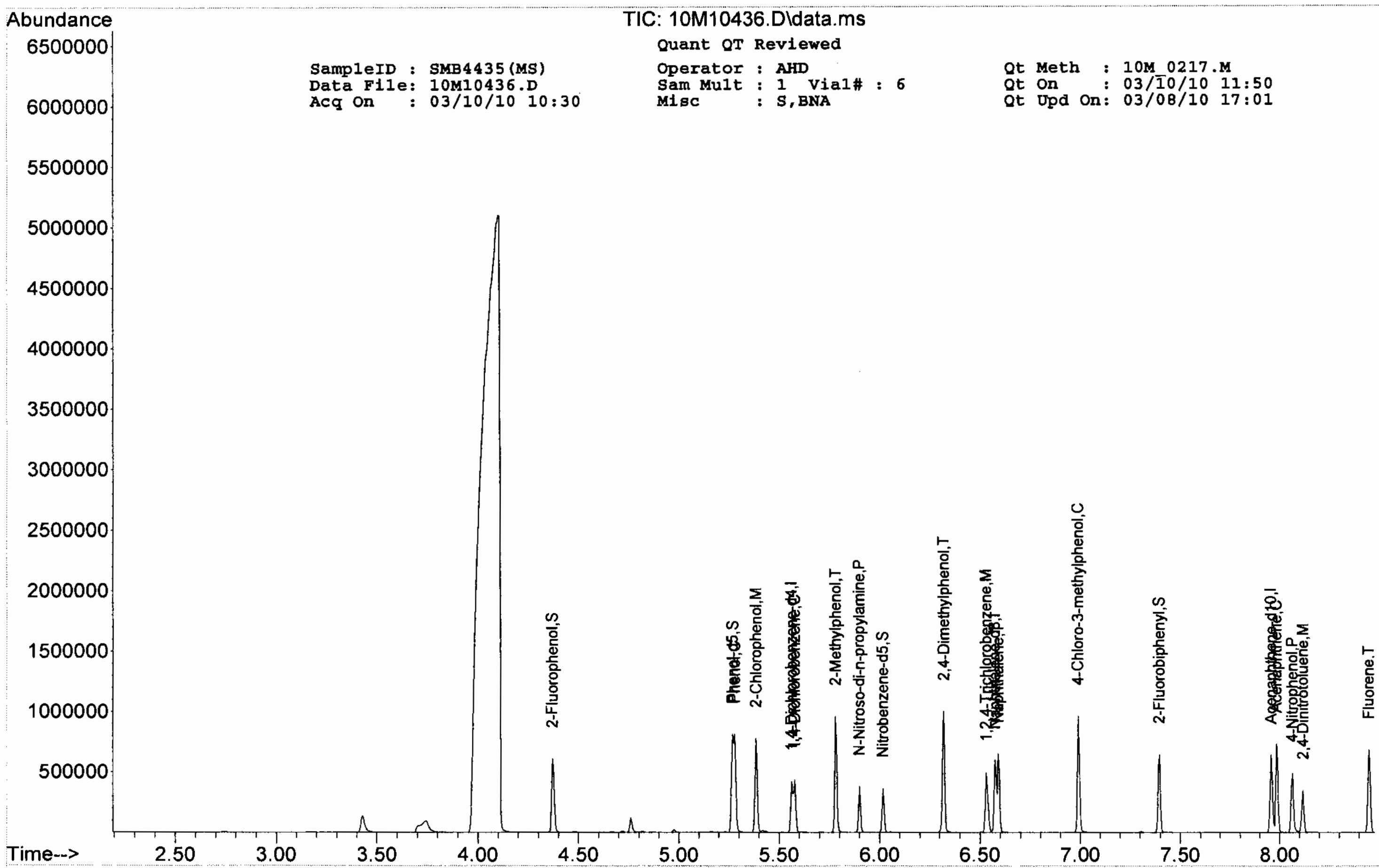
SampleID : SMB4435(MS) Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10436.D Sam Mult : 1 Vial# : 6 Qt On : 03/10/10 11:50
Acq On : 03/10/10 10:30 Misc : S,BNA Qt Upd On: 03/08/10 17:01

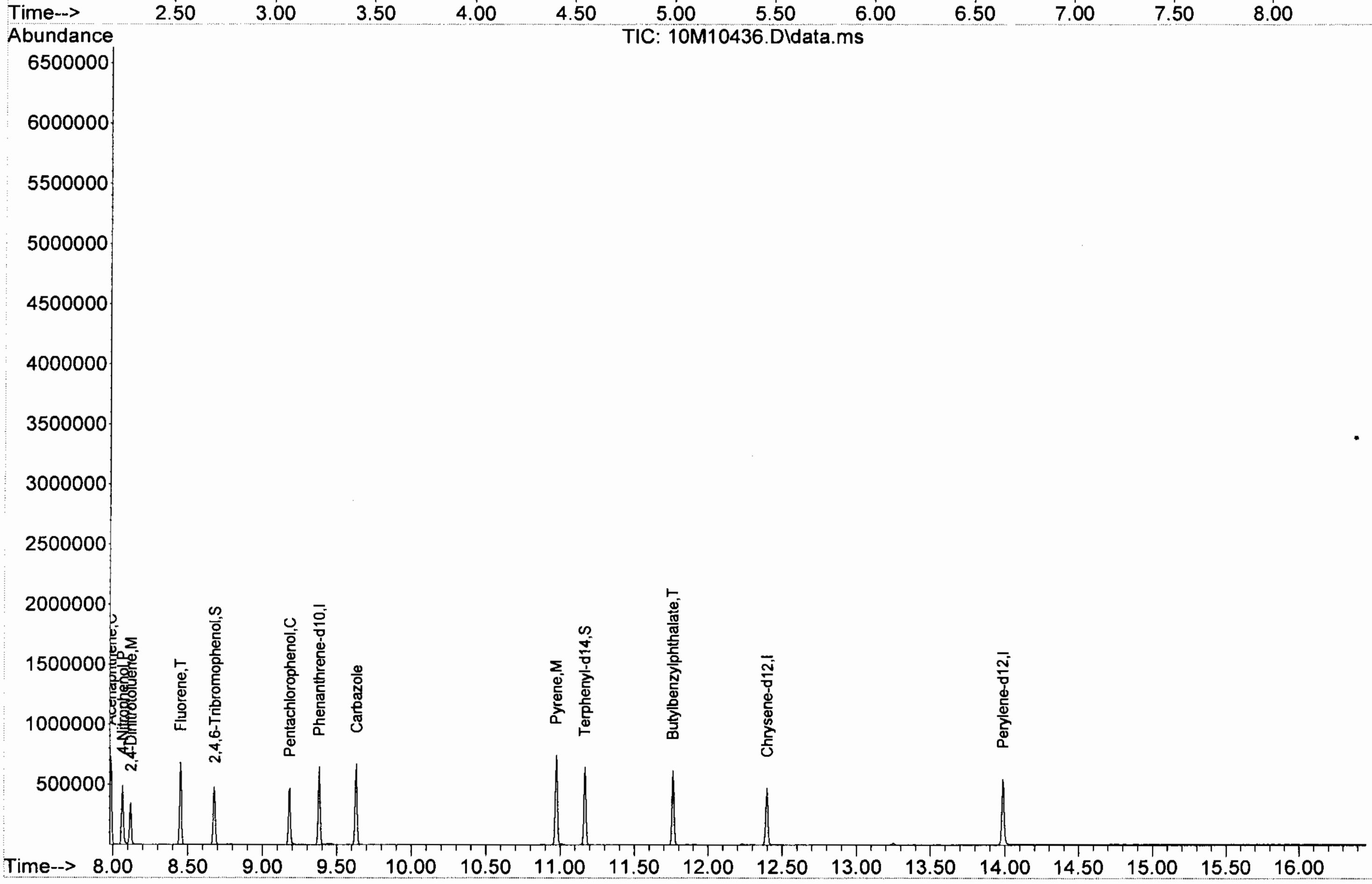
Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	53481	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	220365	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	123941	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	216824	40.00 ng	-0.06
87) Chrysene-d12	12.397	240	170759	40.00 ng	-0.06
102) Perylene-d12	13.986	264	183389	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.369	112	158466	92.74 ng	-0.05
Spiked Amount 100.000			Recovery =	92.74%	
15) Phenol-d5	5.268	99	209285	98.41 ng	-0.05
Spiked Amount 100.000			Recovery =	98.41%	
30) Nitrobenzene-d5	6.016	128	41049	43.35 ng	-0.04
Spiked Amount 50.000			Recovery =	86.70%	
52) 2-Fluorobiphenyl	7.396	172	175562	43.54 ng	-0.04
Spiked Amount 50.000			Recovery =	87.08%	
76) 2,4,6-Tribromophenol	8.680	330	38557	91.44 ng	-0.05
Spiked Amount 100.000			Recovery =	91.44%	
90) Terphenyl-d14	11.167	244	201214	45.83 ng	-0.06
Spiked Amount 50.000			Recovery =	91.66%	
Target Compounds					Qvalue
16) Phenol	5.278	94	199197	83.38 ng	89
17) 2-Chlorophenol	5.385	128	169622	92.92 ng	84
20) 1,4-Dichlorobenzene	5.578	146	83637	40.13 ng	98
24) 2-Methylphenol	5.781	108	155054	93.29 ng	96
27) N-Nitroso-di-n-propyla...	5.899	70	55383	45.38 ng	85
34) 2,4-Dimethylphenol	6.321	107	162260	87.09 ng	91
38) 1,2,4-Trichlorobenzene	6.530	180	71583	41.88 ng	98
39) Naphthalene	6.589	128	236015	42.33 ng	100
43) 4-Chloro-3-methylphenol	6.990	107	148134	92.20 ng	78
61) Acenaphthene	7.985	153	161120	43.20 ng	96
65) 2,4-Dinitrotoluene	8.118	165	54359	45.39 ng	63
66) 4-Nitrophenol	8.065	65	68625	80.99 ng	97
68) Fluorene	8.450	166	189843	46.76 ng	96
81) Pentachlorophenol	9.183	266	48675	93.64 ng	97
84) Carbazole	9.632	167	275491	43.72 ng	98
88) Pyrene	10.975	202	311621	44.25 ng	94
94) Butylbenzylphthalate	11.761	149	154176	42.78 ng	73

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

R


Abundance
TIC: 10M10436.D\data.ms
Quant QT Reviewed
SampleID : SMB4435(MS)
Data File: 10M10436.D
Acq On : 03/10/10 10:30
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 11:50
Qt Upd On: 03/08/10 17:01
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
1,2,4-Trichlorobenzene,M
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Fluorene,T
Time-->
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00


Abundance
TIC: 10M10436.D\data.ms
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
4-Nitrophenol,P
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-->
8.00
8.50
9.00
9.50
10.00
10.50
11.00
11.50
12.00
12.50
13.00
13.50
14.00
14.50
15.00
15.50
16.00

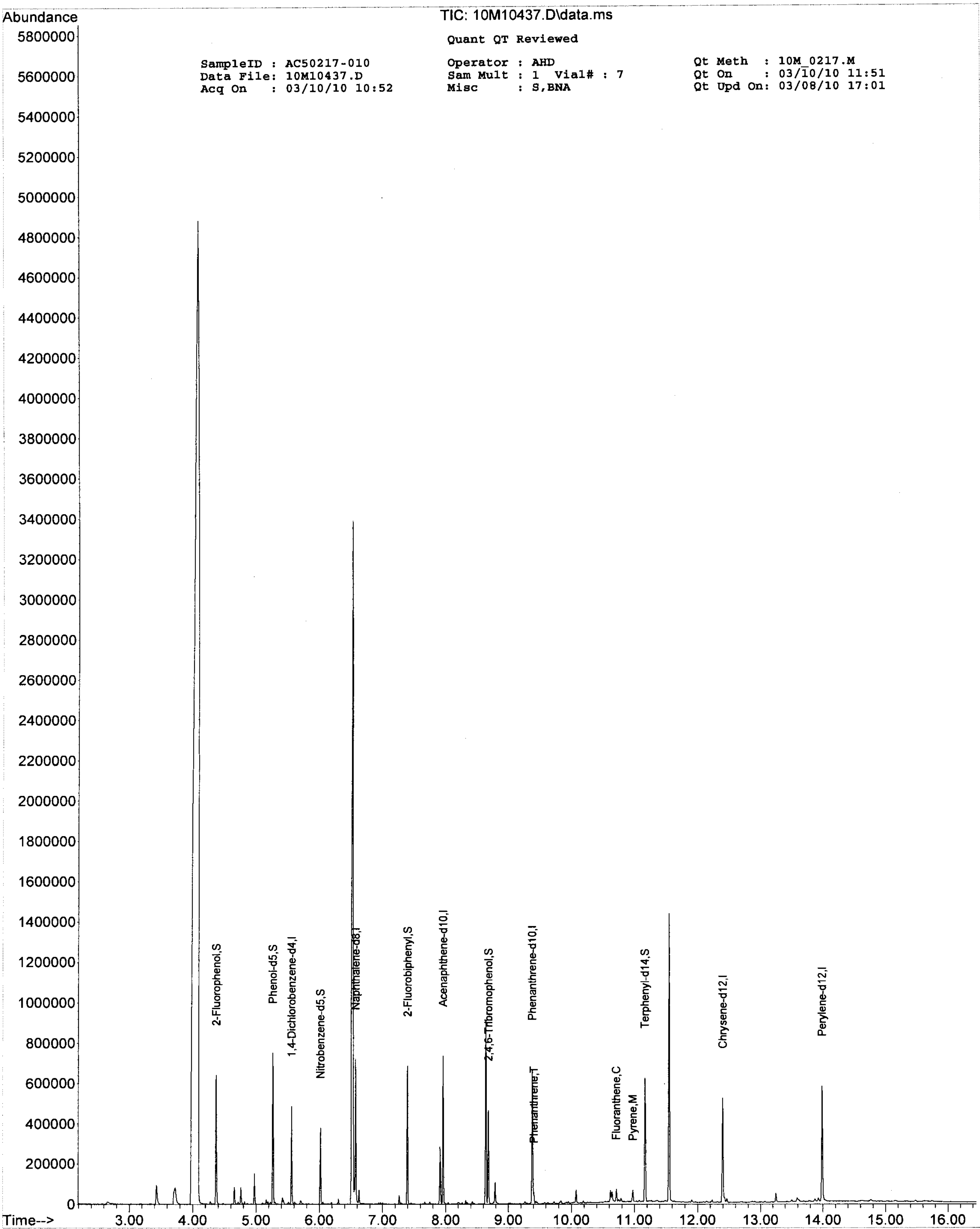
SampleID : AC50217-010 Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10437.D Sam Mult : 1 Vial# : 7 Qt On : 03/10/10 11:51
Acq On : 03/10/10 10:52 Misc : S,BNA Qt Upd On: 03/08/10 17:01

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	62984	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	244702	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	140646	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	236091	40.00 ng	-0.06
87) Chrysene-d12	12.398	240	183484	40.00 ng	-0.06
102) Perylene-d12	13.986	264	193680	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.369	112	173693	86.31 ng	-0.05
Spiked Amount 100.000			Recovery =	86.31%	
15) Phenol-d5	5.262	99	226909	90.60 ng	-0.06
Spiked Amount 100.000			Recovery =	90.60%	
30) Nitrobenzene-d5	6.017	128	43941	41.79 ng	-0.04
Spiked Amount 50.000			Recovery =	83.58%	
52) 2-Fluorobiphenyl	7.397	172	186615	40.78 ng	-0.04
Spiked Amount 50.000			Recovery =	81.56%	
76) 2,4,6-Tribromophenol	8.680	330	39731	86.53 ng	-0.05
Spiked Amount 100.000			Recovery =	86.53%	
90) Terphenyl-d14	11.167	244	199511	42.29 ng	-0.06
Spiked Amount 50.000			Recovery =	84.58%	
Target Compounds					Qvalue
82) Phenanthrene	9.408	178	21863	3.09 ng	97
86) Fluoranthene	10.713	202	24331	3.52 ng	98
88) Pyrene	10.975	202	22216	2.94 ng	94

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

R



Abundance
TIC: 10M10437.D\data.ms
Quant QT Reviewed
SampleID : AC50217-010
Data File: 10M10437.D
Acq On : 03/10/10 10:52
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : S,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 11:51
Qt Upd On: 03/08/10 17:01
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
Phenanthrene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

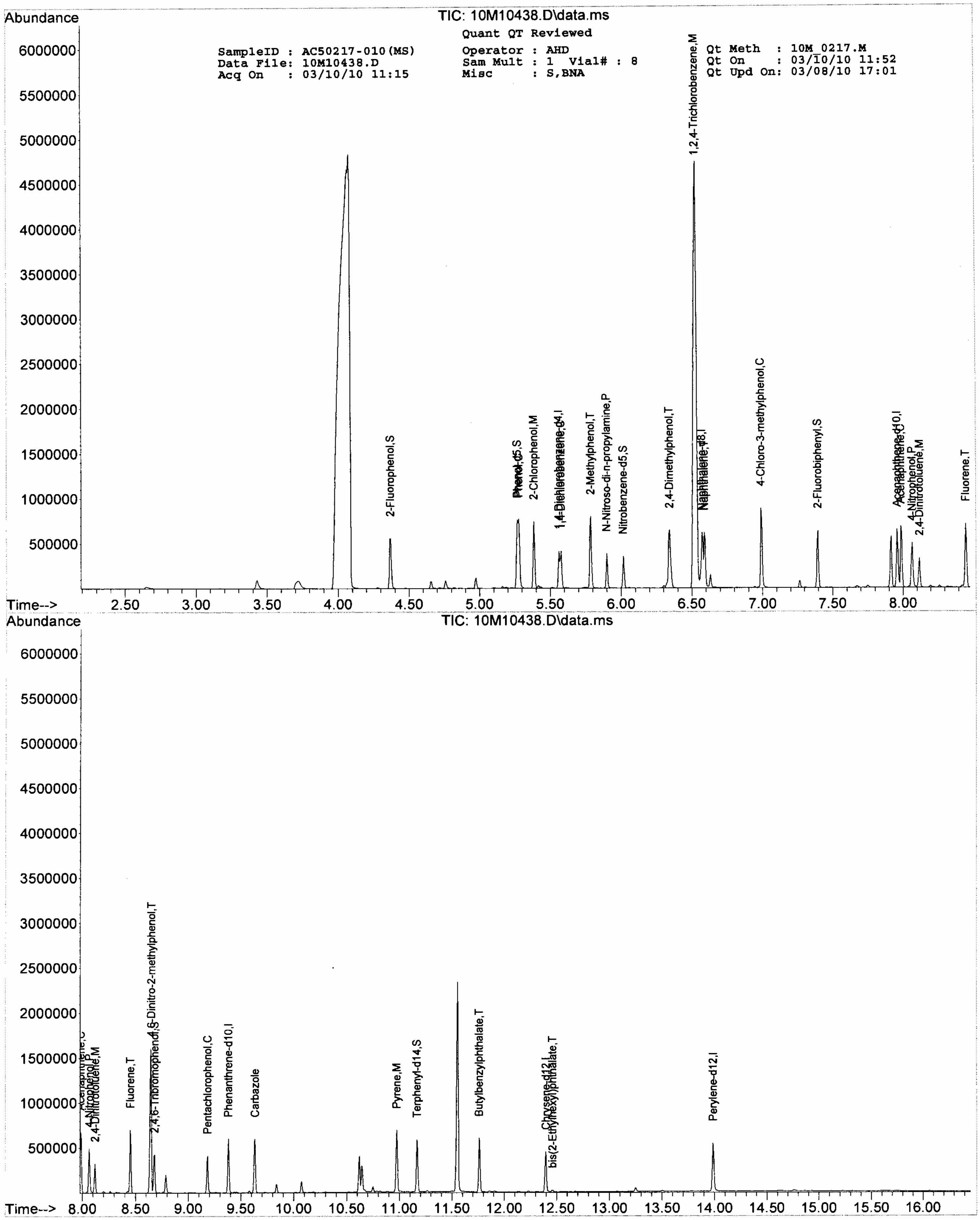
SampleID : AC50217-010(MS) Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10438.D Sam Mult : 1 Vial# : 8 Qt On : 03/10/10 11:52
Acq On : 03/10/10 11:15 Misc : S,BNA Qt Upd On: 03/08/10 17:01

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	51879	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	211006	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	121497	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	207353	40.00 ng	-0.06
87) Chrysene-d12	12.397	240	159212	40.00 ng	-0.06
102) Perylene-d12	13.986	264	172184	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.369	112	153102	92.37 ng	-0.05
Spiked Amount 100.000			Recovery =	92.37%	
15) Phenol-d5	5.268	99	197864	95.91 ng	-0.05
Spiked Amount 100.000			Recovery =	95.91%	
30) Nitrobenzene-d5	6.017	128	38784	42.77 ng	-0.04
Spiked Amount 50.000			Recovery =	85.54%	
52) 2-Fluorobiphenyl	7.396	172	165317	41.82 ng	-0.04
Spiked Amount 50.000			Recovery =	83.64%	
76) 2,4,6-Tribromophenol	8.680	330	35980	89.22 ng	-0.05
Spiked Amount 100.000			Recovery =	89.22%	
90) Terphenyl-d14	11.167	244	185402	45.29 ng	-0.06
Spiked Amount 50.000			Recovery =	90.58%	
Target Compounds					Qvalue
16) Phenol	5.278	94	189248	81.66 ng	88
17) 2-Chlorophenol	5.385	128	160980	90.91 ng	82
20) 1,4-Dichlorobenzene	5.578	146	79449	39.30 ng	98
24) 2-Methylphenol	5.787	108	148577	92.15 ng	95
27) N-Nitroso-di-n-propyla...	5.899	70	54664	46.18 ng	85
34) 2,4-Dimethylphenol	6.343	107	163869	91.85 ng	92
38) 1,2,4-Trichlorobenzene	6.530	180	46193	28.22 ng	96
39) Naphthalene	6.589	128	223162	41.80 ng	100
43) 4-Chloro-3-methylphenol	6.990	107	144724	94.07 ng	80
61) Acenaphthene	7.985	153	152341	41.67 ng	99
65) 2,4-Dinitrotoluene	8.119	165	50389	42.92 ng	64
66) 4-Nitrophenol	8.065	65	68665	82.64 ng	97
68) Fluorene	8.450	166	180725	45.41 ng	100
74) 4,6-Dinitro-2-methylph...	8.648	198	8511	16.17 ng	91
81) Pentachlorophenol	9.183	266	39415	80.97 ng	97
84) Carbazole	9.632	167	261379	43.37 ng	98
88) Pyrene	10.975	202	283994	43.25 ng	94
94) Butylbenzylphthalate	11.761	149	148872	44.30 ng	75
101) bis(2-Ethylhexyl)phtha...	12.462	149	5892	1.26 ng	95

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

R


TIC: 10M10438.D\data.ms
Quant QT Reviewed
SampleID : AC50217-010(MS)
Data File: 10M10438.D
Acq On : 03/10/10 11:15
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : S,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 11:52
Qt Upd On: 03/08/10 17:01
Abundance
Time-->
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
1,2,4-Trichlorobenzene,M
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
2,4-Dinitrotoluene,M
Fluorene,T
TIC: 10M10438.D\data.ms
Abundance
Time-->
Fluorene,T
4,6-Dinitro-2-methylphenol,T
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Perylene-d12,I

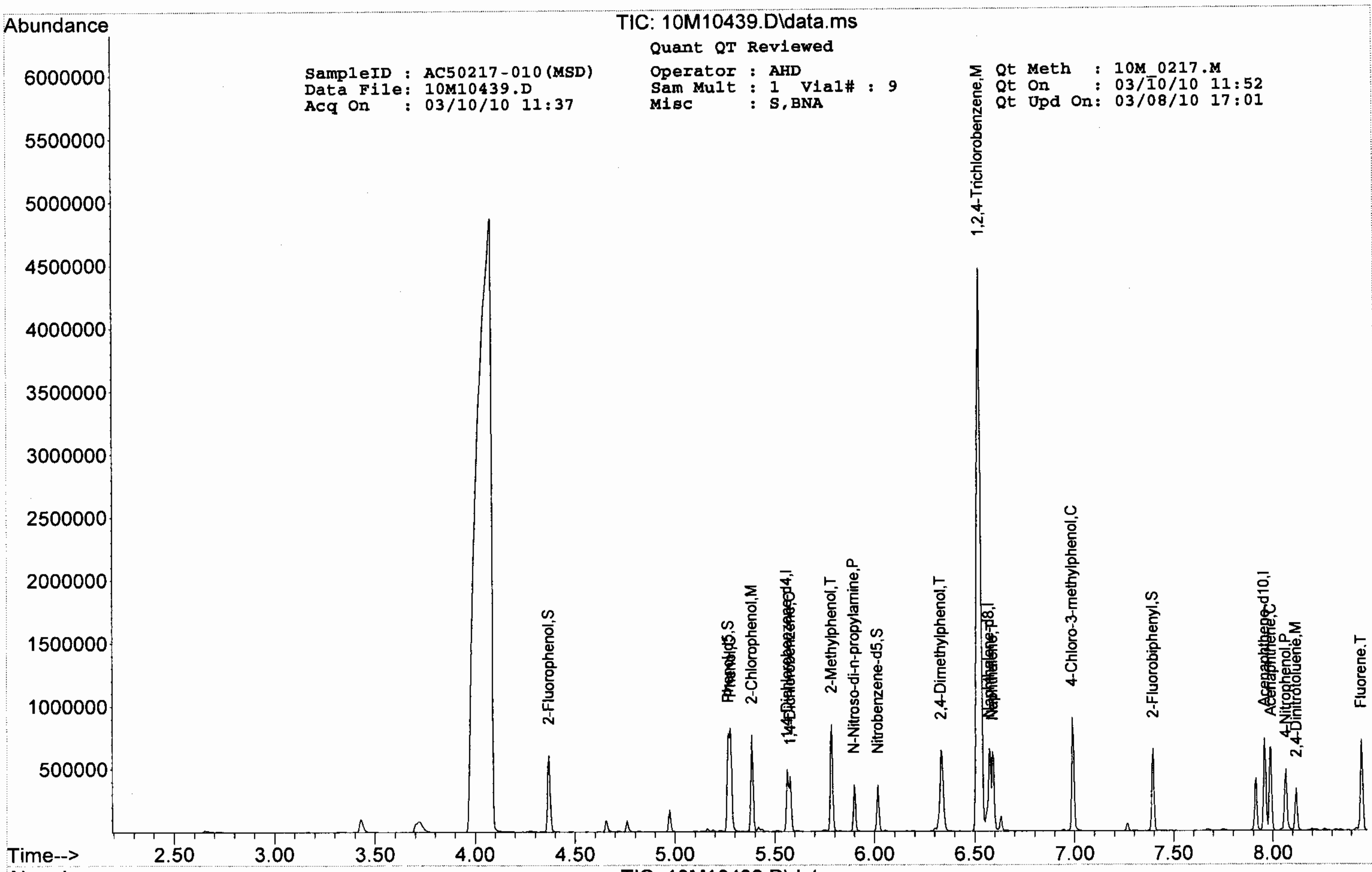
SampleID : AC50217-010(MSD) Operator : AHD Qt Meth : 10M_0217.M
Data File: 10M10439.D Sam Mult : 1 Vial# : 9 Qt On : 03/10/10 11:52
Acq On : 03/10/10 11:37 Misc : S,BNA Qt Upd On: 03/08/10 17:01

Data Path : G:\GcMsData\2010\GCMS_10\Data\03-10-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

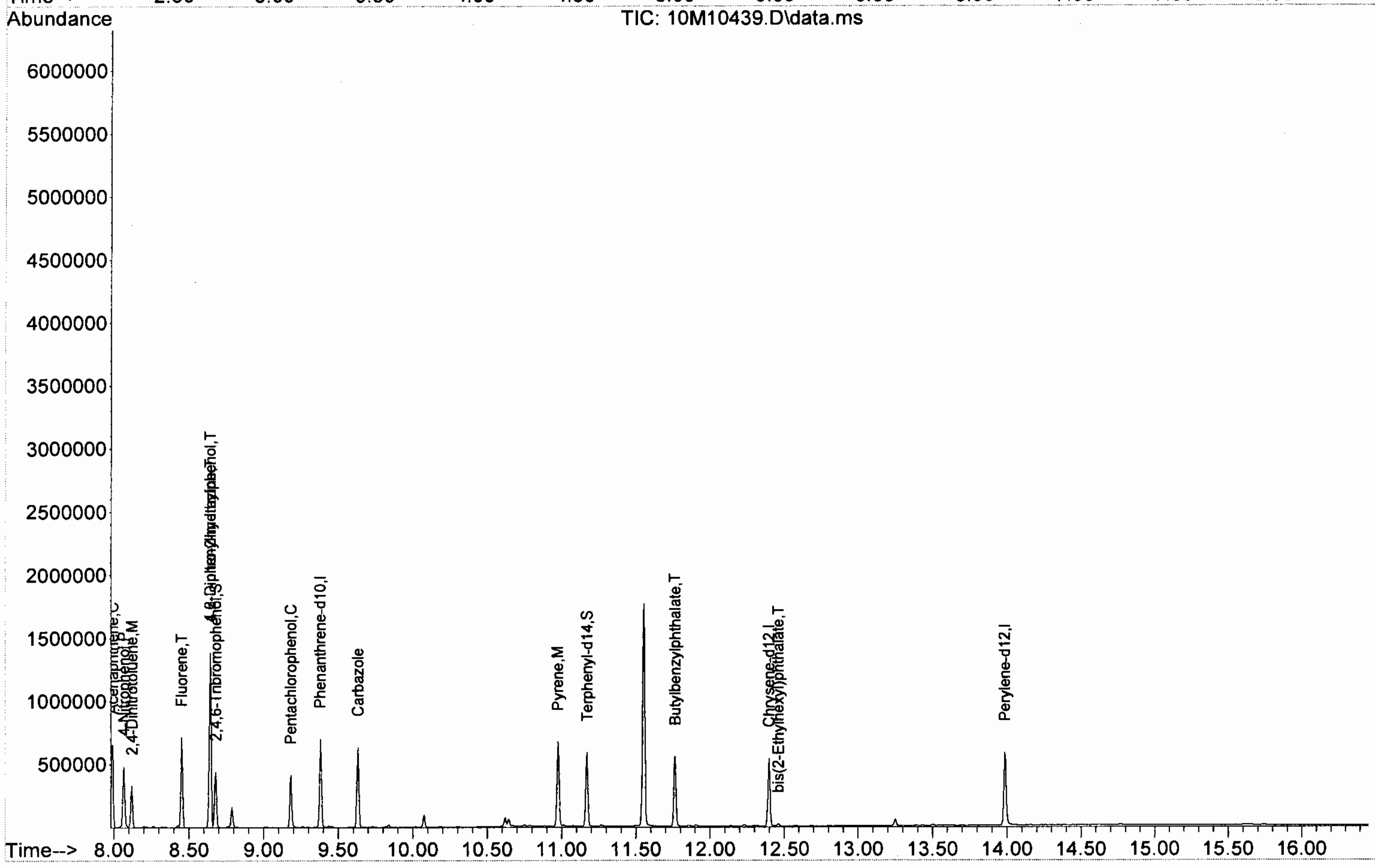
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.562	152	61335	40.00 ng	-0.04
29) Naphthalene-d8	6.573	136	242663	40.00 ng	-0.04
47) Acenaphthene-d10	7.958	164	140619	40.00 ng	-0.05
73) Phenanthrene-d10	9.381	188	240523	40.00 ng	-0.06
87) Chrysene-d12	12.397	240	184882	40.00 ng	-0.06
102) Perylene-d12	13.986	264	196704	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.369	112	157668	80.46 ng	-0.05
Spiked Amount 100.000			Recovery =	80.46%	
15) Phenol-d5	5.268	99	205242	84.15 ng	-0.05
Spiked Amount 100.000			Recovery =	84.15%	
30) Nitrobenzene-d5	6.016	128	40921	39.24 ng	-0.04
Spiked Amount 50.000			Recovery =	78.48%	
52) 2-Fluorobiphenyl	7.396	172	170847	37.35 ng	-0.04
Spiked Amount 50.000			Recovery =	74.70%	
76) 2,4,6-Tribromophenol	8.680	330	36438	77.90 ng	-0.05
Spiked Amount 100.000			Recovery =	77.90%	
90) Terphenyl-d14	11.172	244	182850	38.47 ng	-0.06
Spiked Amount 50.000			Recovery =	76.94%	
Target Compounds					Qvalue
16) Phenol	5.278	94	197999	72.27 ng	90
17) 2-Chlorophenol	5.385	128	163542	78.12 ng	83
20) 1,4-Dichlorobenzene	5.578	146	84683	35.43 ng	97
24) 2-Methylphenol	5.786	108	152197	79.84 ng	95
27) N-Nitroso-di-n-propyla...	5.899	70	56034	40.04 ng	88
34) 2,4-Dimethylphenol	6.332	107	167014	81.40 ng	92
38) 1,2,4-Trichlorobenzene	6.530	180	51412	27.31 ng	98
39) Naphthalene	6.589	128	233456	38.02 ng	100
43) 4-Chloro-3-methylphenol	6.990	107	146915	83.04 ng	81
61) Acenaphthene	7.990	153	156053	36.88 ng	97
65) 2,4-Dinitrotoluene	8.118	165	51364	37.80 ng	66
66) 4-Nitrophenol	8.065	65	69206	72.17 ng	98
68) Fluorene	8.450	166	185569	40.29 ng	99
74) 4,6-Dinitro-2-methylph...	8.643	198	6746	11.15 ng	92
77) 1,2-Diphenylhydrazine	8.643	77	8980	1.81 ng	70
81) Pentachlorophenol	9.183	266	42129	75.32 ng	97
84) Carbazole	9.632	167	261146	37.36 ng	97
88) Pyrene	10.975	202	288807	37.88 ng	96
94) Butylbenzylphthalate	11.766	149	147590	37.82 ng	68
101) bis(2-Ethylhexyl)phtha...	12.462	149	5618	1.03 ng	97

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

R



TIC: 10M10439.D\data.ms
Quant QT Reviewed
SampleID : AC50217-010(MSD)
Data File: 10M10439.D
Acq On : 03/10/10 11:37
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : S,BNA
Qt Meth : 10M_0217.M
Qt On : 03/10/10 11:52
Qt Upd On: 03/08/10 17:01
Abundance
Time-->
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
1,2,4-Trichlorobenzene,M
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Fluorene,T



TIC: 10M10439.D\data.ms
Abundance
Time-->
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Perylene-d12,I

FORM 3

Spike Recovery

Batch Number:	SMB4438	Mbs File:	5M55996.D	Mbs Date:	03/15/10 13:14
Mbs Name:	SMB4438(MS)	Non Spk'd File:	5M56029.D	Non Spk'd Date:	03/16/10 12:02
Ns Name:	AC50233-002	Spike File:	5M56002.D	Spike Date :	03/15/10 15:30
Ms Name:	AC50233-002(MS)	Spike Dup File:	5M56003.D	Spike Dup Date:	03/15/10 15:52
Msd Name:	AC50233-002(MSD	Matrix:	Soil		
		Method:	EPA 8270C		

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	16	1	0	100	35	130	31	59.76	0.00	67.11	66.58	60	67	67	0.79
2-Chlorophenol	17	1	0	100	43	131	32	74.41	0.00	85.38	84.47	74	85	84	1.1
1,4-Dichlorobenzene	20	1	0	50	26	128	41	39.80	0.00	43.43	45.20	80	87	90	4
2-Methylphenol	24	1	0	100	40	137	32	70.56	0.00	80.15	78.58	71	80	79	2
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	35.78	0.00	41.22	41.16	72	82	82	0.15
2,4-Dimethylphenol	34	1	0	100	47	135	32	77.02	0.00	91.24	88.46	77	91	88	3.1
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	44.17	0.00	49.74	50.84	88	99	102	2.2
Naphthalene	39	1	0	50	44	132	41	40.80	0.00	46.34	46.55	82	93	93	0.45
4-Chloro-3-methylphe	43	1	0	100	45	142	32	79.55	0.00	88.63	86.59	80	89	87	2.3
Acenaphthene	61	1	0	50	47	137	58	41.47	0.00	46.76	46.35	83	94	93	0.88
2,4-Dinitrotoluene	65	1	0	50	30	139	47	39.12	0.00	42.86	42.15	78	86	84	1.7
4-Nitrophenol	66	1	0	100	35	146	36	66.21	0.00	73.60	71.00	66	74	71	3.6
Fluorene	68	1	0	50	42	135	43	43.41	0.00	46.85	47.07	87	94	94	0.47
Pentachlorophenol	81	1	0	100	38	132	37	81.79	0.00	95.25	90.04	82	95	90	5.6
Pyrene	88	1	0	50	45	167	53	44.35	0.00	52.08	54.15	89	104	108	3.9
Butylbenzylphthalate	94	1	0	50	45	157	40	41.73	0.00	49.79	52.42	83	100	105	5.1

Note:

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

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

SampleID : SMB4438(MS)
Data File: 5M55996.D
Acq On : 03/15/10 13:14

Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : S,BNA

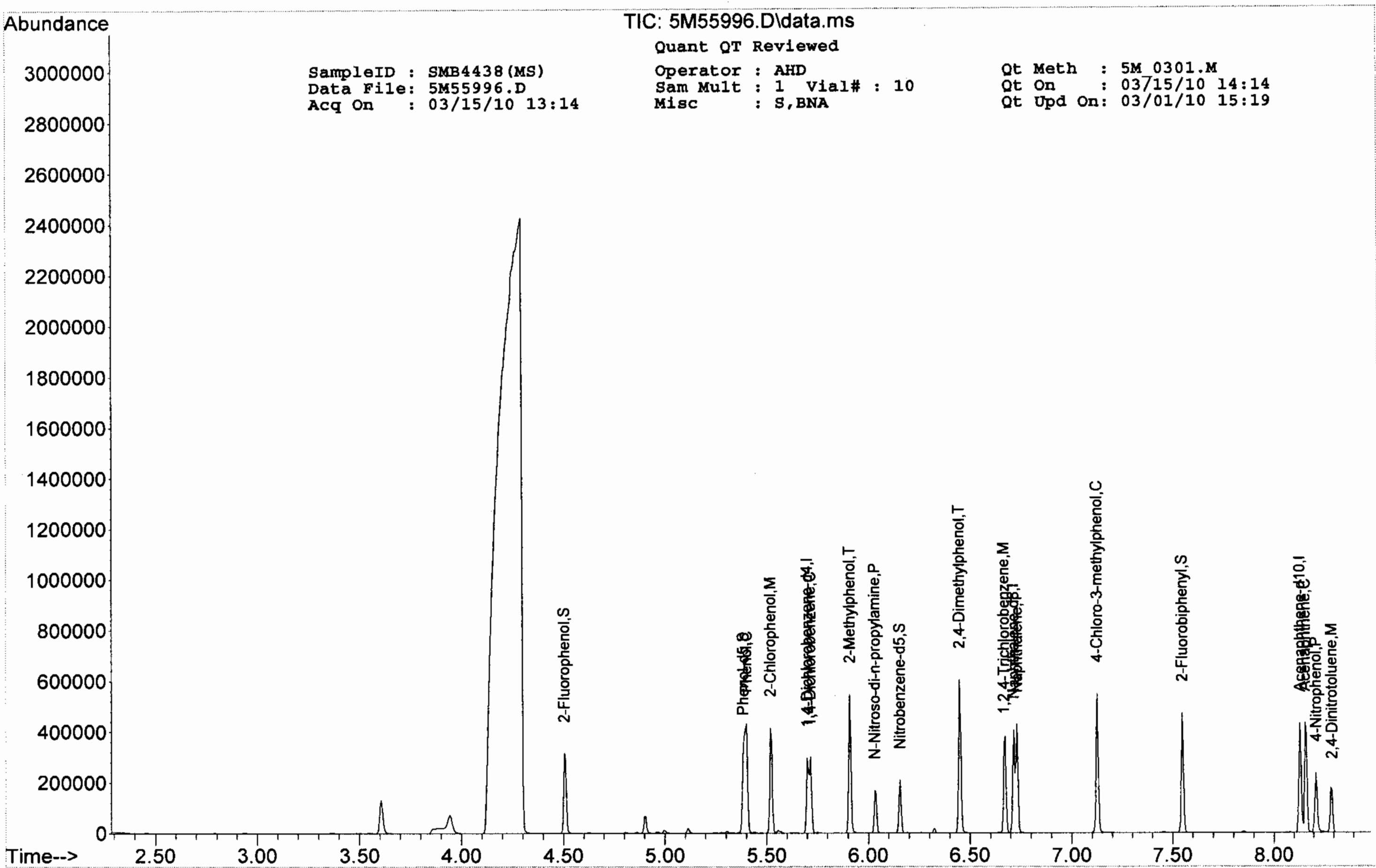
Qt Meth : 5M_0301.M
Qt On : 03/15/10 14:14
Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

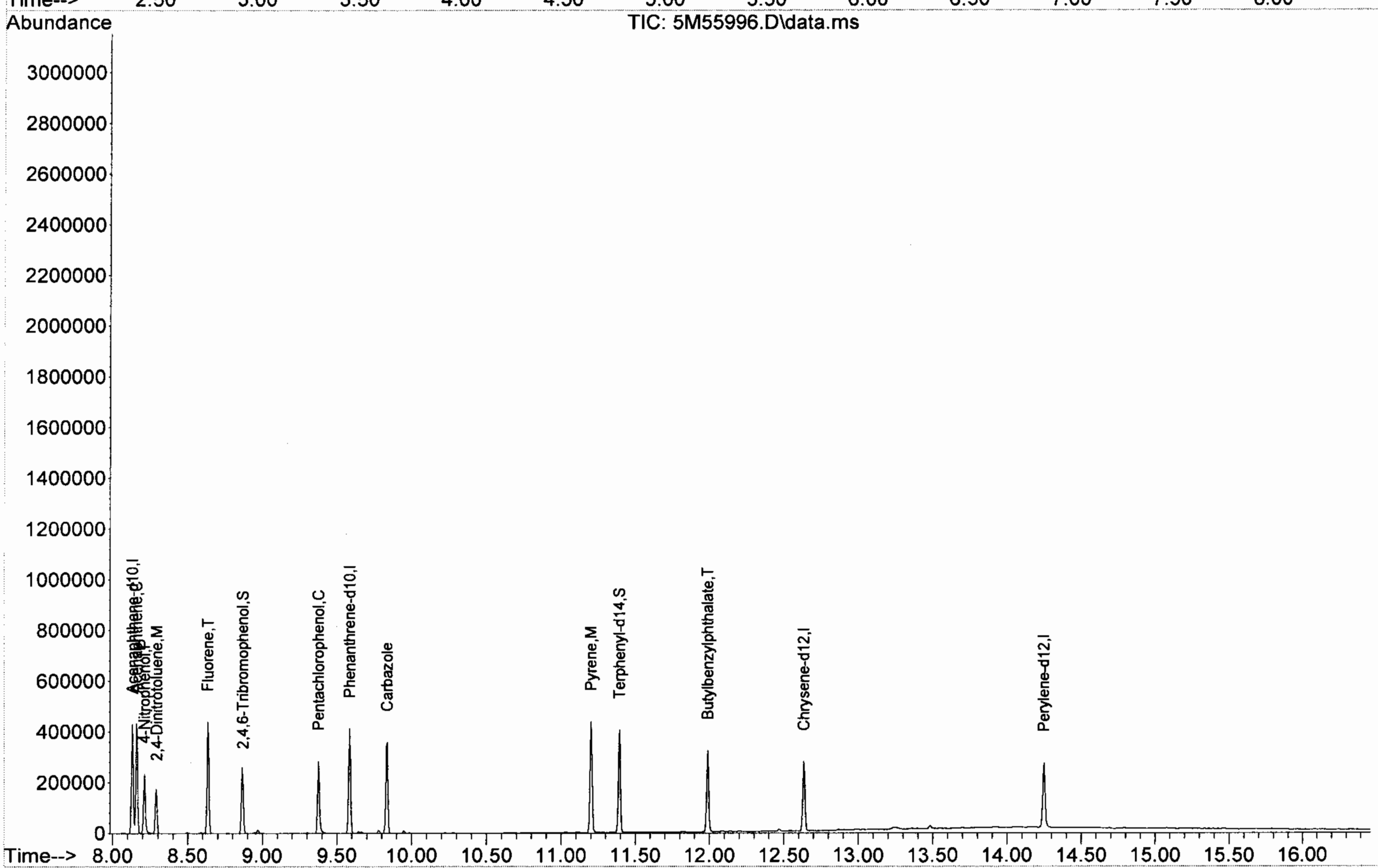
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.701	152	38518	40.00 ng	-0.10
29) Naphthalene-d8	6.716	136	143480	40.00 ng	-0.10
47) Acenaphthene-d10	8.132	164	85089	40.00 ng	-0.12
73) Phenanthrene-d10	9.585	188	148110	40.00 ng	-0.13
87) Chrysene-d12	12.635	240	107071	40.00 ng	-0.14
102) Perylene-d12	14.249	264	97542	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.504	112	85560	61.99 ng	-0.09
Spiked Amount 100.000			Recovery =	61.99%	
15) Phenol-d5	5.386	99	125907	65.85 ng	-0.10
Spiked Amount 100.000			Recovery =	65.85%	
30) Nitrobenzene-d5	6.155	128	25029	40.83 ng	-0.10
Spiked Amount 50.000			Recovery =	81.66%	
52) 2-Fluorobiphenyl	7.549	172	118482	42.25 ng	-0.11
Spiked Amount 50.000			Recovery =	84.50%	
76) 2,4,6-Tribromophenol	8.869	330	23526	101.95 ng	-0.12
Spiked Amount 100.000			Recovery =	101.95%	
90) Terphenyl-d14	11.396	244	136825	46.38 ng	-0.13
Spiked Amount 50.000			Recovery =	92.76%	
Target Compounds					Qvalue
16) Phenol	5.402	94	121849	59.76 ng	85
17) 2-Chlorophenol	5.519	128	100953	74.41 ng	79
20) 1,4-Dichlorobenzene	5.717	146	58484	39.80 ng	97
24) 2-Methylphenol	5.909	108	91447	70.56 ng	97
27) N-Nitroso-di-n-propyla...	6.032	70	34728	35.78 ng	66
34) 2,4-Dimethylphenol	6.449	107	103392	77.02 ng	99
38) 1,2,4-Trichlorobenzene	6.668	180	52941	44.17 ng	97
39) Naphthalene	6.732	128	150472	40.80 ng	100
43) 4-Chloro-3-methylphenol	7.127	107	93481	79.55 ng	84
61) Acenaphthene	8.158	153	100517	41.47 ng	97
65) 2,4-Dinitrotoluene	8.292	165	31570	39.12 ng	59
66) 4-Nitrophenol	8.212	65	32444	66.21 ng	67
68) Fluorene	8.634	166	120798	43.41 ng	99
81) Pentachlorophenol	9.376	266	31505	81.79 ng	98
84) Carbazole	9.836	167	157080	39.51 ng	98
88) Pyrene	11.204	202	192354	44.35 ng	83
94) Butylbenzylphthalate	11.989	149	78593	41.73 ng	87

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

R



Abundance
TIC: 5M55996.D\data.ms
Quant QT Reviewed
SampleID : SMB4438(MS)
Data File: 5M55996.D
Acq On : 03/15/10 13:14
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/15/10 14:14
Qt Upd On: 03/01/10 15:19
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
2,4-Dinitrotoluene,M
Time-->



Abundance
TIC: 5M55996.D\data.ms
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-->

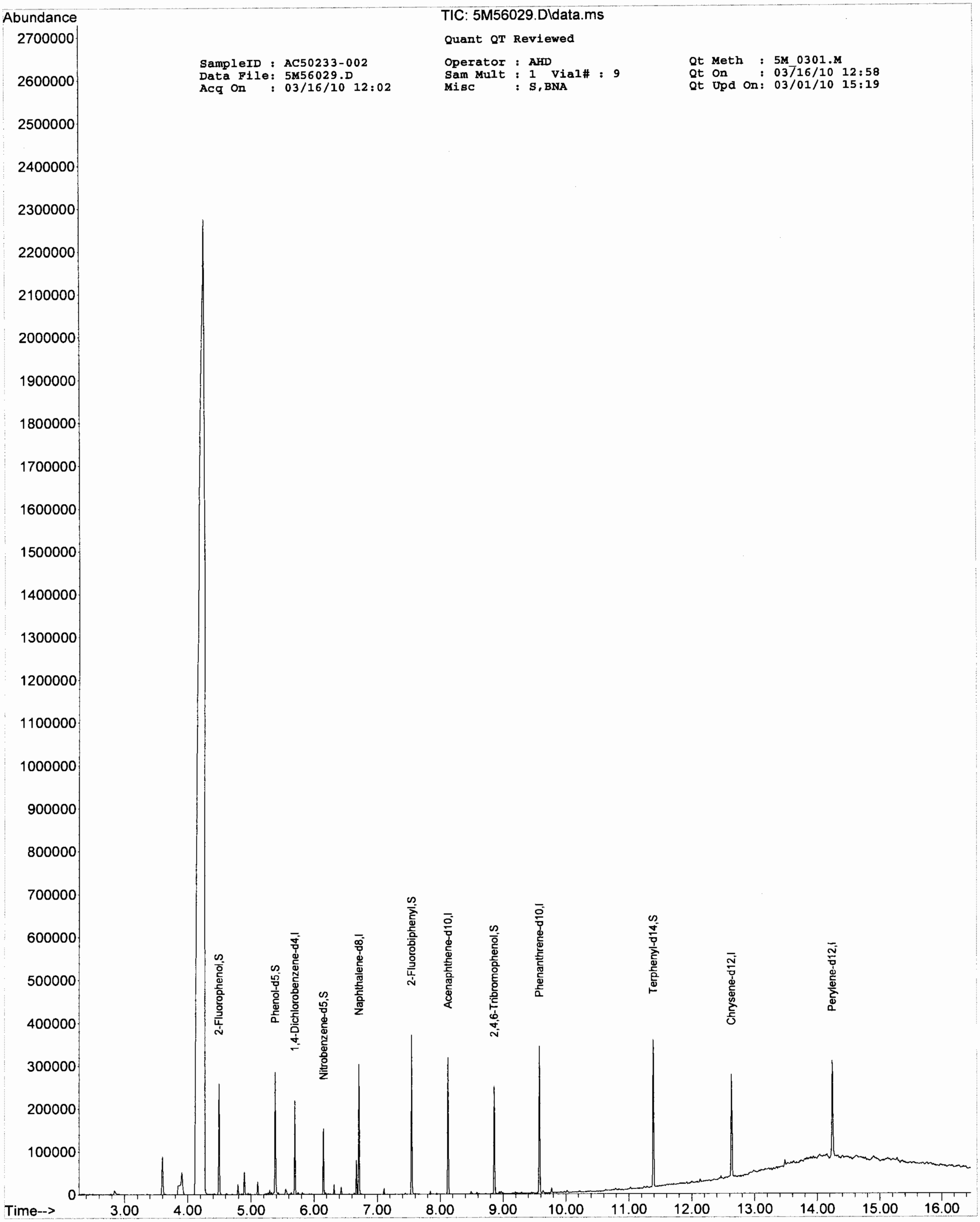
SampleID : AC50233-002
Data File: 5M56029.D
Acq On : 03/16/10 12:02
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/16/10 12:58
Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-16-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.696	152	29031	40.00 ng	-0.11
29) Naphthalene-d8	6.711	136	115404	40.00 ng	-0.10
47) Acenaphthene-d10	8.127	164	69228	40.00 ng	-0.12
73) Phenanthrene-d10	9.580	188	124801	40.00 ng	-0.13
87) Chrysene-d12	12.630	240	93300	40.00 ng	-0.15
102) Perylene-d12	14.243	264	86842	40.00 ng	-0.16
System Monitoring Compounds					
10) 2-Fluorophenol	4.494	112	70957	68.21 ng	-0.10
Spiked Amount 100.000			Recovery =	68.21%	
15) Phenol-d5	5.386	99	103456	71.80 ng	-0.10
Spiked Amount 100.000			Recovery =	71.80%	
30) Nitrobenzene-d5	6.150	128	21352	43.30 ng	-0.10
Spiked Amount 50.000			Recovery =	86.60%	
52) 2-Fluorobiphenyl	7.544	172	102496	44.92 ng	-0.11
Spiked Amount 50.000			Recovery =	89.84%	
76) 2,4,6-Tribromophenol	8.858	330	22098	113.65 ng	-0.13
Spiked Amount 100.000			Recovery =	113.65%	
90) Terphenyl-d14	11.391	244	125239	48.71 ng	-0.13
Spiked Amount 50.000			Recovery =	97.42%	
Target Compounds					Qvalue

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

pl


Abundance
TIC: 5M56029.D\data.ms
Quant QT Reviewed
SampleID : AC50233-002
Data File: 5M56029.D
Acq On : 03/16/10 12:02
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/16/10 12:58
Qt Upd On: 03/01/10 15:19
2700000
2600000
2500000
2400000
2300000
2200000
2100000
2000000
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
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
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

SampleID : AC50233-002(MS) Operator : AHD Qt Meth : 5M_0301.M
Data File: 5M56002.D Sam Mult : 1 Vial# : 16 Qt On : 03/16/10 07:21
Acq On : 03/15/10 15:30 Misc : S,BNA Qt Upd On: 03/01/10 14:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.701	152	39950	40.00 ng	-0.10
29) Naphthalene-d8	6.716	136	148308	40.00 ng	-0.10
47) Acenaphthene-d10	8.132	164	86959	40.00 ng	-0.12
73) Phenanthrene-d10	9.585	188	142200	40.00 ng	-0.13
87) Chrysene-d12	12.635	240	90286	40.00 ng	-0.14
102) Perylene-d12	14.249	264	87440	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.510	112	97225	67.92 ng	-0.08
Spiked Amount 100.000			Recovery =	67.92%	
15) Phenol-d5	5.391	99	140995	71.10 ng	-0.09
Spiked Amount 100.000			Recovery =	71.10%	
30) Nitrobenzene-d5	6.155	128	28284	44.63 ng	-0.10
Spiked Amount 50.000			Recovery =	89.26%	
52) 2-Fluorobiphenyl	7.549	172	131585	45.91 ng	-0.11
Spiked Amount 50.000			Recovery =	91.82%	
76) 2,4,6-Tribromophenol	8.869	330	25004	112.86 ng	-0.12
Spiked Amount 100.000			Recovery =	112.86%	
90) Terphenyl-d14	11.396	244	131333	52.79 ng	-0.13
Spiked Amount 50.000			Recovery =	105.58%	
Target Compounds					Qvalue
16) Phenol	5.402	94	141932	67.11 ng	87
17) 2-Chlorophenol	5.525	128	120142	85.38 ng	75
20) 1,4-Dichlorobenzene	5.717	146	66193	43.43 ng	99
24) 2-Methylphenol	5.909	108	107739	80.15 ng	98
27) N-Nitroso-di-n-propyla...	6.038	70	41489	41.22 ng	60
34) 2,4-Dimethylphenol	6.449	107	126598	91.24 ng	98
38) 1,2,4-Trichlorobenzene	6.673	180	61624	49.74 ng	96
39) Naphthalene	6.732	128	176647	46.34 ng	100
43) 4-Chloro-3-methylphenol	7.127	107	107662	88.63 ng	87
61) Acenaphthene	8.158	153	115826	46.76 ng	99
65) 2,4-Dinitrotoluene	8.292	165	35348	42.86 ng	60
66) 4-Nitrophenol	8.212	65	36859	73.60 ng	73
68) Fluorene	8.634	166	133232	46.85 ng	100
81) Pentachlorophenol	9.376	266	35835	95.25 ng	95
84) Carbazole	9.836	167	163000	42.71 ng	98
88) Pyrene	11.203	202	190485	52.08 ng	84
94) Butylbenzylphthalate	11.989	149	79065	49.79 ng	85

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

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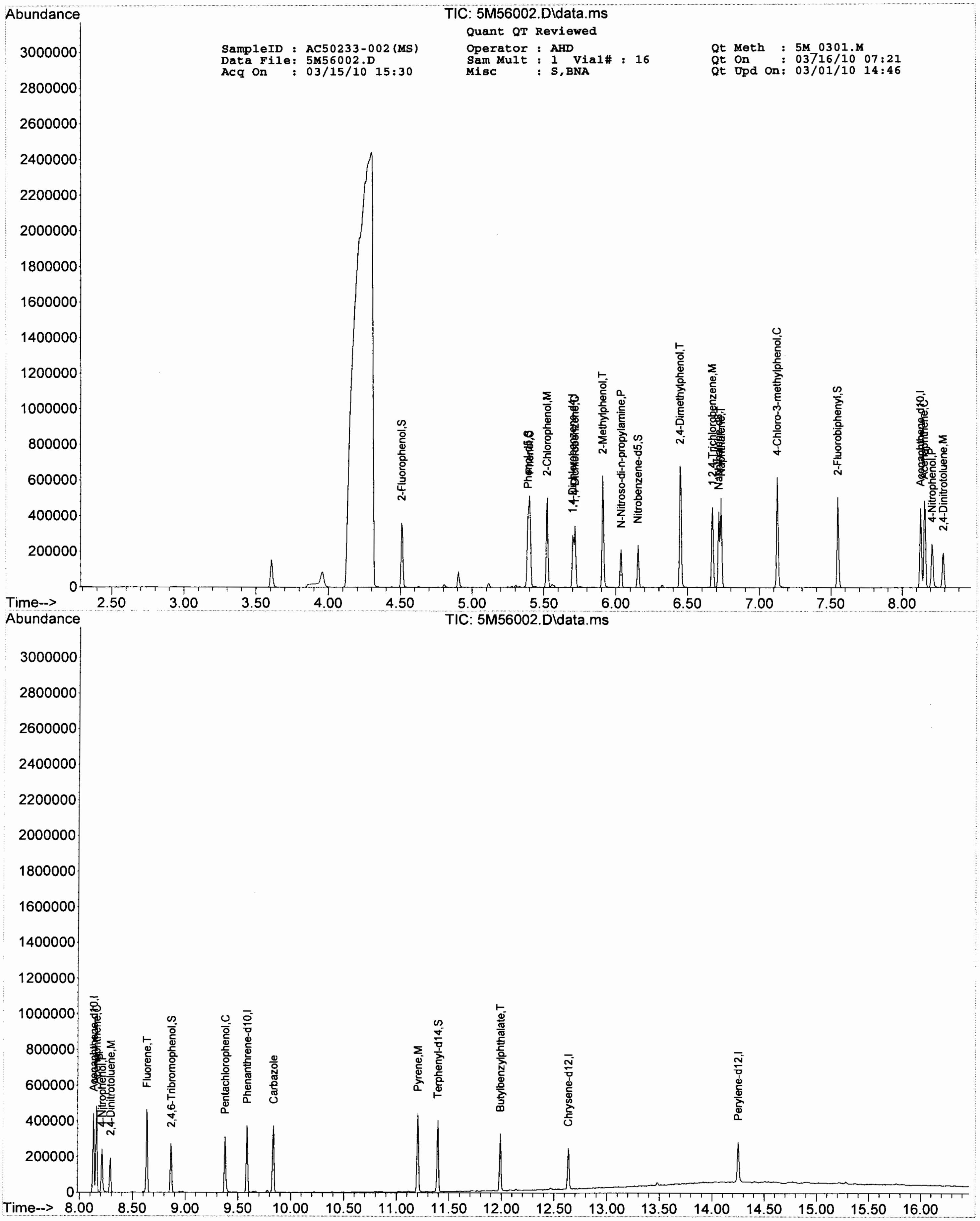

Abundance
TIC: 5M56002.D\data.ms
Quant QT Reviewed
SampleID : AC50233-002(MS)
Data File: 5M56002.D
Acq On : 03/15/10 15:30
Operator : AHD
Sam Mult : 1 Vial# : 16
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/16/10 07:21
Qt Upd On: 03/01/10 14:46
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
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: 5M56002.D\data.ms
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 : AC50233-002(MSD)
Data File: 5M56003.D
Acq On : 03/15/10 15:52

Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : S,BNA

Qt Meth : 5M_0301.M
Qt On : 03/16/10 07:21
Qt Upd On: 03/01/10 15:19

Data Path : G:\GcMsData\2010\GCMS_5\Data\03-15-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.707	152	43433	40.00 ng	-0.10
29) Naphthalene-d8	6.716	136	159386	40.00 ng	-0.10
47) Acenaphthene-d10	8.132	164	91796	40.00 ng	-0.12
73) Phenanthrene-d10	9.585	188	145702	40.00 ng	-0.13
87) Chrysene-d12	12.635	240	85234	40.00 ng	-0.14
102) Perylene-d12	14.249	264	81100	40.00 ng	-0.15
System Monitoring Compounds					
10) 2-Fluorophenol	4.515	112	103796	66.69 ng	-0.07
Spiked Amount 100.000			Recovery =	66.69%	
15) Phenol-d5	5.391	99	148669	68.96 ng	-0.09
Spiked Amount 100.000			Recovery =	68.96%	
30) Nitrobenzene-d5	6.155	128	29805	43.77 ng	-0.10
Spiked Amount 50.000			Recovery =	87.54%	
52) 2-Fluorobiphenyl	7.550	172	136643	45.16 ng	-0.11
Spiked Amount 50.000			Recovery =	90.32%	
76) 2,4,6-Tribromophenol	8.869	330	24557	108.18 ng	-0.12
Spiked Amount 100.000			Recovery =	108.18%	
90) Terphenyl-d14	11.396	244	129502	55.14 ng	-0.13
Spiked Amount 50.000			Recovery =	110.28%	
Target Compounds					Qvalue
16) Phenol	5.407	94	153066	66.58 ng	85
17) 2-Chlorophenol	5.525	128	129226	84.47 ng	77
20) 1,4-Dichlorobenzene	5.717	146	74888	45.20 ng	98
24) 2-Methylphenol	5.910	108	114832	78.58 ng	98
27) N-Nitroso-di-n-propyla...	6.038	70	45049	41.16 ng	61
34) 2,4-Dimethylphenol	6.454	107	131916	88.46 ng	98
38) 1,2,4-Trichlorobenzene	6.673	180	67688	50.84 ng	97
39) Naphthalene	6.732	128	190728	46.55 ng	99
43) 4-Chloro-3-methylphenol	7.128	107	113036	86.59 ng	85
61) Acenaphthene	8.164	153	121206	46.35 ng	97
65) 2,4-Dinitrotoluene	8.292	165	36698	42.15 ng	62
66) 4-Nitrophenol	8.212	65	37532	71.00 ng	75
68) Fluorene	8.634	166	141298	47.07 ng	98
81) Pentachlorophenol	9.377	266	34482	90.04 ng	96
84) Carbazole	9.836	167	167400	42.81 ng	98
88) Pyrene	11.204	202	186960	54.15 ng	84
94) Butylbenzylphthalate	11.989	149	78591	52.42 ng	86

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

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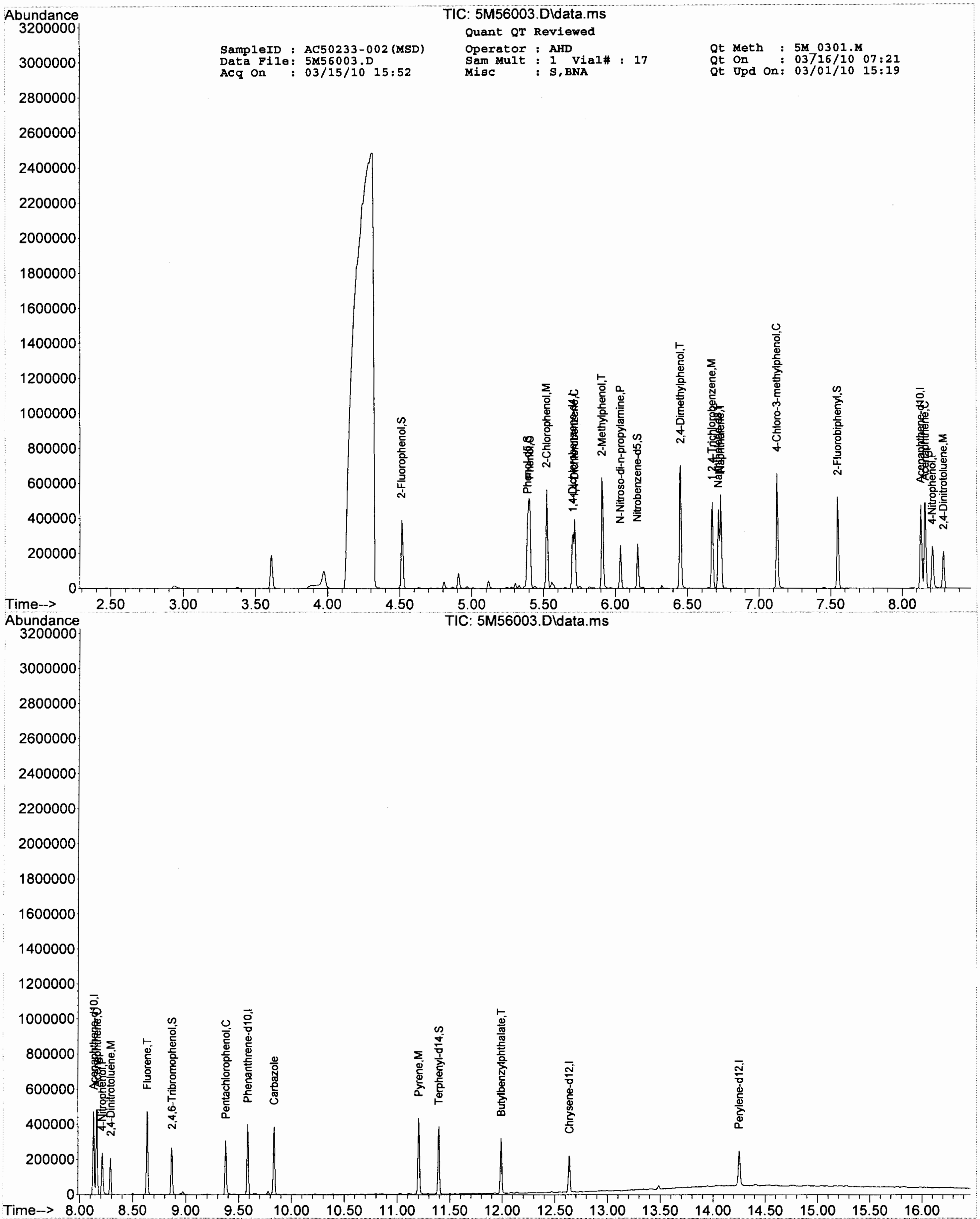

Abundance
TIC: 5M56003.D\data.ms
Quant QT Reviewed
SampleID : AC50233-002(MSD)
Data File: 5M56003.D
Acq On : 03/15/10 15:52
Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : S,BNA
Qt Meth : 5M_0301.M
Qt On : 03/16/10 07:21
Qt Upd On: 03/01/10 15:19
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
1,2,4-Trichlorobenzene,M
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
Acenaphthene-d10,I
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Time-->
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

GC/MS Semi-Volatile Data
Logbook Data

Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4435
Blank Spike (SMBS): 4434
Blank Spike (SMBS): 4435

Date: 3/9/10
Matrix Spike: 50198-002
Matrix Spike: 50217-010

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)________

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction BN	Fraction BNA	Fraction AE	Extracted By	Extract Appearance Color	Extract Appearance Clarity	Extract Appearance Sediment	Comments
MB 4435	X	30g	1.0ml		X		RAK				
MBS 4435	X										
50122-001	7										
50122-002	8										
50122-003	9										
50122-004	10										
50122-005	11										
50122-006	12										
50122-007	13										
50122-008	14										
50122-009	15										
50122-010	16										
50083-001	17			X			Bn				
50176-001	18				X						
50176-003	19										
50176-004	20										
MS50217-010	X										
MSD 50217-010	X										
50217-010	1										
50217-012	2										
50217-014	3										
50217-008	4										
50069-003	5			X							
50069-004	6										

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	various	v. 76014	BN. SPIKE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	v. 79284	BN. SURR

Reagent Lots: MeCL2 v.4698 Acetone v. 4435 Hexane ________ Na2SO4 v. 4615 Ether ______ MTBE ________ Other ________

Relinquished By: RAK / Bn Date: 3/9/10
Received By: ~~Bshot~~ Date: ~~3/9/10~~ 3/10/10

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Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4436
Blank Spike (SMBS): 4435
Blank Spike (SMBS): ______

Date: 3/10/10
Matrix Spike: 50217-010
Matrix Spike: ______

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)______

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction			Extracted By	Extract Appearance			Comments
				BN	BNA	AE		Color	Clarity	Sediment	
MB 4436	X	30g	1.0ml		X		RAK				
MBS 4436	X										
50199-001	7										
50199-002	8										
50199-003	9										
50217-002	10										
50217-004	11										
50217-006	12										
50217-016	13										
50217-018	14										
50217-020	15										
50217-022	16										
50217-024	17										
50217-026	18										

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	various	V. 76014	BN SPIKE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V. 79284	BN SURR

Reagent Lots: MeCL2 V.4698 Acetone V. 4435 Hexane ______ Na2SO4 V.4615 Ether ______ MTBE ______ Other ______

Relinquished By: RAK Date: 3/10/10
Received By: JP Date: 3/10/10

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Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4438
Blank Spike (SMBS): 4438
Blank Spike (SMBS): ____________

Date: 3/12/10
Matrix Spike: 50233 - 002
Matrix Spike: ____________

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)_______

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction			Extracted By	Extract Appearance			Comments
				BN	BNA	AE		Color	Clarity	Sediment	
MB 4438	x	30.0	1.0		x		RAK				
MBS 4438	x										
MS 50233-002	x										
MSD 50233-002	x										
50088-004	1			x							
50101-001	2										
50101-004	3										
50133-003	4										
50199-004	5				x						
50199-005	6										
50199-006	7										
50199-007	8										
50233-001	9										
50233-002	10										
50233-003	11										
50233-004	12										
50233-005	13										
50233-006	14										
50261-001	15										

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	various	V. 76014	BN SPIKE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V. 79284	BN. SURR

Reagent Lots: MeCL2 L698 Acetone HH35 Hexane ________ Na2SO4 V. 4615 Ether ______ MTBE _______ Other ______

Relinquished By: RAK Date: 3/12/10
Received By: [signature] Date: 03/12/10

T:\QC\FORMS\LOGBOOK FORMS\extractions\BN Soil Ext Log2009.doc

1-1-10M10007

RUN LOG

Instrument: GCMS_10Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1000	CAL DFTPP	Ed1=0.66:Oc	OK,V-81184	AHD		Aqueous	1	1		02/17 08:45
10M1000	CAL BNA@50PPM		NOT USED	AHD		Aqueous	1	1	625 8270	02/17 09:10
10M1000	CAL BNA@2PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	02/17 09:32
10M1001	CAL BNA@10PPM		OK,V-81173	AHD		Aqueous	1	1	625 8270	02/17 09:57
10M1001	CAL BNA@20PPM		OK,V-81174	AHD		Aqueous	1	1	625 8270	02/17 10:19
10M1001	CAL BNA@80PPM		OK,V-81176	AHD		Aqueous	1	1	625 8270	02/17 10:41
10M1001	CAL BNA@120PPM		OK,V-81177	AHD		Aqueous	1	1	625 8270	02/17 11:03
10M1001	CAL BNA@160PPM		OK,V-81178	AHD		Aqueous	1	1	625 8270	02/17 11:25
10M1001	CAL BNA@196PPM	Oc	OK,V-81179	AHD		Aqueous	1	1	625 8270	02/17 11:47
10M1001	CAL BNA@2PPM		OK,V-81181	AHD		Aqueous	1	1	625 8270	02/17 12:57
10M1001	CAL BNA@50PPM		OK,V-81175	AHD		Aqueous	1	1	625 8270	02/17 13:23
10M1001	ICV BNA@50PPM	Ivo	OK,V-81182	AHD		Aqueous	1	1	625 8270	02/17 13:45
10M1001	SMB4418		OK	AHD		Soil	1	1	8270	02/17 15:08
10M1002	SMB4418(MS)		OK SMB4418	AHD		Soil	1	1	8270	02/17 15:30
10M1002	AC49768-001		OK	AHD	BNPAH-8270	Soil	1	1	8270	02/17 15:53
10M1002	SMB4417		OK	AHD		Soil	1	1	8270	02/17 16:15
10M1002	AC49773-026		OK	AHD	BNA-8270	Soil	1	1	8270	02/17 16:37
10M1002	AC49773-027		OK	AHD	BNA-8270	Soil	1	1	8270	02/17 17:00

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	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	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/updates modcheckprepupda	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 800 ser Too many samples begin Calibration

RUN LOG

1-1-5M55791

Instrument: GCMS_5 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M55791.	CAL DFTPP	Ed1=1.7:Oc	OK,V-81184	AHD		Aqueous	1	1		03/01 08:13
5M55792.	CAL BNA@50PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 08:37
5M55793.	CAL BNA@50PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 09:02
5M55794.	CAL BNA@2PPM		OK,V-81948	AHD		Aqueous	1	1	625 8270	03/01 09:27
5M55795.	CAL BNA@10PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 09:49
5M55796.	CAL BNA@20PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 10:11
5M55797.	CAL BNA@80PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 10:57
5M55798.	CAL BNA@120PPM	Oc	OK,V-81944	AHD		Aqueous	1	1	625 8270	03/01 11:19
5M55799.	CAL BNA@160PPM	Oc	OK,V-81945	AHD		Aqueous	1	1	625 8270	03/01 11:41
5M55800.	CAL BNA@196PPM	Oc	OK,V-81946	AHD		Aqueous	1	1	625 8270	03/01 12:04
5M55801.	CAL BNA@20PPM		OK,V-81941	AHD		Aqueous	1	1	625 8270	03/01 12:34
5M55802.	CAL BNA@10PPM		OK,V-81940	AHD		Aqueous	1	1	625 8270	03/01 13:17
5M55803.	CAL BNA@50PPM		OK,V-81942	AHD		Aqueous	1	1	625 8270	03/01 13:39
5M55804.	CAL BNA@80PPM		OK,V-81943	AHD		Aqueous	1	1	625 8270	03/01 14:29
5M55805.	ICV BNA@50PPM	Islvo	OK,V-81950	AHD		Aqueous	1	1	625 8270	03/01 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	Evm	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	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 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 ser Too many samples begin Calibration

1-1-9M23467

RUN LOG

Instrument: GCMS_9 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M23467.	CAL DFTPP	Ed1=1.2:Oc	OK,V-81184	AHD		Aqueous	1	1		03/01 08:42
9M23468.	CAL BNA@50PPM	Is	NOT USED	AHD		Aqueous	1	1	625 8270	03/01 09:05
9M23469.	CAL BNA@2PPM		OK,V-81948	AHD		Aqueous	1	1	625 8270	03/01 09:34
9M23470.	CAL BNA@10PPM		OK,V-81940	AHD		Aqueous	1	1	625 8270	03/01 09:57
9M23471.	CAL BNA@20PPM		OK,V-81941	AHD		Aqueous	1	1	625 8270	03/01 10:20
9M23472.	CAL BNA@80PPM		OK,V-81943	AHD		Aqueous	1	1	625 8270	03/01 10:43
9M23473.	CAL BNA@120PPM		OK,V-81944	AHD		Aqueous	1	1	625 8270	03/01 11:05
9M23474.	CAL BNA@160PPM	Oc	OK,V-81945	AHD		Aqueous	1	1	625 8270	03/01 11:28
9M23475.	CAL BNA@196PPM	Oc	OK,V-81946	AHD		Aqueous	1	1	625 8270	03/01 11:51
9M23476.	CAL BNA@50PPM		OK,V-81942	AHD		Aqueous	1	1	625 8270	03/01 12:44
9M23477.	ICV BNA@50PPM	Ivo	OK,V-81950	AHD		Aqueous	1	1	625 8270	03/01 13:06
9M23478.	SMB4427(MS)		OK SMB4427	AHD		Soil	1	1	8270	03/01 13:45
9M23479.	SMB4427		OK	AHD		Soil	1	1	8270	03/01 14:08
9M23480.	OMB1357		OK	AHD		OIL/OTH	1	1	8270	03/01 14:30
9M23481.	OMB1357(MS)		OK OMB1357	AHD		OIL/OTH	1	1	8270	03/01 14:53
9M23482.	SMB4425		OK	AHD		Soil	1	1	8270	03/01 15:15
9M23483.	AC50015-006(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	03/01 15:38
9M23484.	AC49952-001(5X)		OK	AHD	BNA25-8270	Soil	5	5	8270	03/01 16:01
9M23485.	AC49987-013		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 16:23
9M23486.	AC49987-014		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 16:46
9M23487.	AC49987-015		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 17:08
9M23488.	AC49987-016		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 17:31
9M23489.	AC49987-024		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 17:53
9M23490.	AC49987-028		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 18:16
9M23491.	AC49987-029	Oc	RR 3X	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/01 18:39
9M23492.	AC49968-001(3X)(R)	Sd	OK,SURRO.CONFIRMED	AHD	BNA25-8270	Soil	6	3	8270	03/01 19:01
9M23493.	AC49995-001(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	03/01 19:24
9M23494.	AC50048-002(20X)	SdOc	RR 60X	AHD	BNA-8270	Soil	40	20	8270	03/01 19:47
9M23495.	AC50049-001(20X)	Sd	OK	AHD	BNA-8270	Soil	120	20	8270	03/01 20:10
9M23496.	AC50049-002(20X)	SdOc	RR 60X	AHD	BNA-8270	Soil	140	20	8270	03/01 20:32
9M23497.	AC50049-003(20X)	SdTi8Oc	RR 60X	AHD	BNA-8270	Soil	30	20	8270	03/01 20:55

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	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/pndates modcheckprepnunda	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

1-1-10M10399

Instrument: GCMS_10 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1039	CAL DFTPP	Ed1=1.7:Oc	OK,V-81184	AHD		Aqueous	1	1		03/09 08:53
10M1040	CAL BNA@50PPM		OK,V-81942,OK,V-81174	AHD		Aqueous	1	1	625 8270	03/09 09:21
10M1040	WMB4433		RR	AHD		Aqueous	1	1	625 8270	03/09 09:48
10M1040	WMB4433(MS)		OK WMB4433	AHD		Aqueous	1	1	625 8270	03/09 10:10
10M1040	AC50102-001(T)		OK WMB4433	AHD	BNATCLP-82	Aqueous	1	1	8270	03/09 10:32
10M1040	AC50102-001(MS)(T)		OK WMB4433	AHD	BNATCLP-82	Aqueous	1	1	625 8270	03/09 10:55
10M1040	AC50102-001(MSD)(T)		OK WMB4433	AHD	BNATCLP-82	Aqueous	1	1	625 8270	03/09 11:17
10M1040	AC50088-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 11:40
10M1040	WMB4433		OK	AHD		Aqueous	1	1	625 8270	03/09 12:02
10M1040	AC50105-001(R)		OK	AHD	BNA25-625	Aqueous	1	1	625	03/09 12:24
10M1040	AC50105-002(R)		OK	AHD	BNA25-625	Aqueous	1	1	625	03/09 12:47
10M1041	AC50105-003(R)		OK	AHD	BNA25-625	Aqueous	1	1	625	03/09 13:09
10M1041	AC50105-004(R)		OK	AHD	BNA25-625	Aqueous	1	1	625	03/09 13:31
10M1041	TEST		OK	AHD		Aqueous	1	1	625 8270	03/09 14:16
10M1041	SMB4435(MS)		OK	AHD		Soil	1	1	8270	03/09 14:57
10M1041	SMB4435		OK	AHD		Soil	1	1	8270	03/09 15:19
10M1041	WMB4434(MS)		OK WMB4434	AHD		Aqueous	1	1	625 8270	03/09 15:41
10M1041	WMB4434		OK	AHD		Aqueous	1	1	625 8270	03/09 16:10
10M1041	AC50177-006		OK WMB4434	AHD	BN15-625	Aqueous	1	1	625	03/09 16:32
10M1041	AC50177-006(MS)		OK WMB4434	AHD	BN15-625	Aqueous	1	1	625 8270	03/09 16:55
10M1041	AC50177-006(MSD)		OK WMB4434	AHD	BN15-625	Aqueous	1	1	625 8270	03/09 17:17
10M1042	AC50177-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 17:39
10M1042	AC49930-022		OK	AHD	BNA25-8270	Aqueous	1	1	8270	03/09 18:02
10M1042	AC50177-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 18:24
10M1042	AC50177-003		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 18:46
10M1042	AC50177-004		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 19:08
10M1042	AC50177-005		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 19:30
10M1042	AC50177-007		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 19:52
10M1042	AC50177-008		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 20:14
10M1042	AC50179-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 20:36
10M1042	AC50179-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 20:58
10M1043	AC50181-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/09 21:20

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 Data	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	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/updates modcheckprepupda	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

1-1-10M10431

RUN LOG

Instrument: GCMS_10 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1043	CAL DFTPP	Ed1=1.9:Oc	OK,V-81184	AHD		Aqueous	1	1		03/10 08:38
10M1043	CAL BNA@50PPM		OK,V-81174	AHD		Aqueous	1	1	625 8270	03/10 09:00
10M1043	AC50140-002(T)		OK	AHD	BNATCLP-82	Aqueous	1	1	8270	03/10 09:23
10M1043	AC50140-004(T)		OK	AHD	BNATCLP-82	Aqueous	1	1	8270	03/10 09:45
10M1043	AC50137-002		OK	AHD	BN-625	Aqueous	1	1	625	03/10 10:08
10M1043	SMB4435(MS)		OK SMB4435	AHD		Soil	1	1	8270	03/10 10:30
10M1043	AC50217-010		OK SMB4435	AHD	BNA-8270	Soil	1	1	8270	03/10 10:52
10M1043	AC50217-010(MS)		OK SMB4435	AHD	BNA-8270	Soil	1	1	8270	03/10 11:15
10M1043	AC50217-010(MSD)		OK SMB4435	AHD	BNA-8270	Soil	1	1	8270	03/10 11:37
10M1044	AC50069-003		OK	AHD	BN15-8270	Soil	1	1	8270	03/10 11:59
10M1044	AC50122-005		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/10 12:22
10M1044	SMB4436(MS)		OK SMB4436	AHD		Soil	1	1	8270	03/10 15:32
10M1044	SMB4436		OK	AHD		Soil	1	1	8270	03/10 15:54
10M1044	WMB4435(MS)		OK WMB4435	AHD		Aqueous	1	1	625 8270	03/10 16:16
10M1044	WMB4435		OK	AHD		Aqueous	1	1	625 8270	03/10 16:38
10M1044	AC50149-001(R)	Sb6Oc	SURRO.CONFIRMED	AHD	BN15-625	Aqueous	1	1	625	03/10 17:01
10M1044	AC50147-001		OK,RR	AHD	BNA25-625	Aqueous	1	1	625	03/10 17:23
10M1044	AC50147-001(MS)		OK WMB4435	AHD	BNA25-625	Aqueous	1	1	625 8270	03/10 17:45
10M1044	AC50147-001(MSD)		OK WMB4435	AHD	BNA25-625	Aqueous	1	1	625 8270	03/10 18:08
10M1045	AC50217-016		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 18:30
10M1045	AC50217-018		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 18:52
10M1045	AC50196-004		OK	AHD	BN15-625	Aqueous	1	1	625	03/10 19:15
10M1045	AC50196-005		OK	AHD	BN15-625	Aqueous	1	1	625	03/10 19:37
10M1045	AC50165-006	Sa6Sa8	ON HOLD	AHD	ERROR	Aqueous	1	1	625 8270	03/10 20:00
10M1045	AC50166-001		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 20:22
10M1045	AC50166-002		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 20:45
10M1045	AC50166-003		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 21:07
10M1045	AC50166-004		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 21:30
10M1045	AC50166-005		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 21:52
10M1046	AC50166-006		OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 22:15
10M1046	AC50166-007	Oc	OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 22:38
10M1046	AC50166-008	Oc	OK	AHD	BNA25-625	Aqueous	1	1	625	03/10 23:00

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	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	Prmb with calrnt.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 6000 series Tune time/Cal Time
Emo	Problem Checking Prep/updates 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

Instrument: GCMS_9 Year: 2010
Analyst: AHD

1-1-9M23651

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M23651.	CAL DFTPP	Ed1=1.7:Oc	OK,V-81184	AHD		Aqueous	1	1		03/10 08:31
9M23652.	CAL BNA@50PPM	C16	OK,V-81942	AHD		Aqueous	1	1	625 8270	03/10 08:56
9M23653.	TEST		OK	AHD		Soil	1	1	8270	03/10 09:18
9M23654.	AC50217-008		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 09:41
9M23655.	AC50217-014		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 10:04
9M23656.	AC50217-012		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 10:27
9M23657.	AC50176-001		OK	AHD	BNA25-8270	Soil	1	1	8270	03/10 10:50
9M23658.	AC50176-004		OK	AHD	BNA25-8270	Soil	1	1	8270	03/10 11:13
9M23659.	AC50083-001	Sb8Oc	RR 10X	AHD	BN-8270	Soil	1	1	8270	03/10 11:35
9M23660.	AC50069-004	Sb8Oc	RR 20X	AHD	BN15-8270	Soil	1	1	8270	03/10 11:58
9M23661.	AC50176-003		OK	AHD	BNA25-8270	Soil	1	1	8270	03/10 12:21
9M23662.	AC50083-001(10X)	Sd	OK,INTERFERING PEAK	AHD	BN-8270	Soil	10	10	8270	03/10 12:44
9M23663.	AC50069-004(20X)		OK	AHD	BN15-8270	Soil	20	20	8270	03/10 13:06
9M23664.	SMB4436		OK	AHD		Soil	1	1	8270	03/10 15:30
9M23665.	MBS TEST	C6fSa6Sa8	TEST MBS TEST	JB		Aqueous	1	1	625 8270	03/10 15:53
9M23666.	AC50199-001(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	03/10 16:59
9M23667.	AC50199-002		OK	AHD	BNA25-8270	Soil	1	1	8270	03/10 17:22
9M23668.	AC50217-002		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 17:45
9M23669.	AC50217-004		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 18:08
9M23670.	AC50217-006		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 18:30
9M23671.	AC50217-022		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 18:53
9M23672.	AC50217-020		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 19:16
9M23673.	AC50217-024		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 19:39
9M23674.	AC50217-026		OK	AHD	BNA-8270	Soil	1	1	8270	03/10 20:02
9M23675.	AC50199-003(10X)		RR 2X OR 3X	AHD	BNA25-8270	Soil	10	10	8270	03/10 20:25

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	Evm	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 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
Emn	Problem Checking Prep/updates modcheckprepounds	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

1-1-9M23676

RUN LOG

Instrument: GCMS_9 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M23676.	CAL DFTPP	Ed1=2.1:Oc	OK,V-81184	AHD		Aqueous	1	1		03/11 08:36
9M23677.	BNA@50PPM	CnAnc	OK,V-81184,NOT USED	AHD		Aqueous	1	1	625 8270	03/11 09:00
9M23678.	CAL BNA@50PPM	C16	OK,V-81942	AHD		Aqueous	1	1	625 8270	03/11 09:30
9M23679.	OMB1363		OK	AHD		OIL/OTH	1	1	8270	03/11 09:53
9M23680.	OMB1363(MS)		OK OMB1363	AHD		OIL/OTH	1	1	8270	03/11 10:16
9M23681.	AC50188-001		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 10:39
9M23682.	AC50188-002		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 11:02
9M23683.	AC50188-003		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 11:25
9M23684.	AC50188-004		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 11:47
9M23685.	AC50188-005		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 12:10
9M23686.	AC50188-006		SURRO,SPIKED DOUBLE	AHD	BNPAH-8270	OIL/OTH	0.5	1	8270	03/11 12:33
9M23687.	AC50188-007		OK OMB1363	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 12:55
9M23688.	AC50188-008		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/11 13:18
9M23689.	AC50259-003		OK SMB4437	AHD	BNA25-8270	Soil	1	1	8270	03/11 13:41
9M23690.	SMB4437(MS)		OK SMB4437	JB		Soil	1	1	8270	03/11 14:03
9M23691.	SMB4437		OK	JB		Soil	1	1	8270	03/11 14:26
9M23692.	AC50259-004		OK	JB	BNA25-8270	Soil	1	1	8270	03/11 14:48
9M23693.	AC50259-005		OK	JB	BNA25-8270	Soil	1	1	8270	03/11 15:11
9M23694.	AC50259-006		OK	JB	BNA25-8270	Soil	1	1	8270	03/11 15:34
9M23695.	AC50259-007	Oc	RR 3X	JB	BNA25-8270	Soil	1	1	8270	03/11 15:57
9M23696.	AC50259-008		OK	JB	BNA25-8270	Soil	1	1	8270	03/11 16:20
9M23697.	AC50259-007(3X)		OK	JB	BNA25-8270	Soil	3	3	8270	03/11 16:43
9M23698.	AC50090-005(20X)		RR 2X	JB	BNPAH-8270	Soil	20	20	8270	03/11 17:06
9M23699.	AC50199-003(3X)		OK	JB	BNA25-8270	Soil	3	3	8270	03/11 17:29
9M23700.	AC50090-005(2X)		OK	JB	BNPAH-8270	Soil	2	2	8270	03/11 17:51
9M23701.	AC50259-003(MS)	Sa8	NOT USED	JB	BNA25-8270	Soil	1	1	8270	03/11 18:13
9M23702.	AC50259-003(MSD)	Sa8	NOT USED	JB	BNA25-8270	Soil	1	1	8270	03/11 18:36
9M23703.	AC50188-009		OK	JB	BNPAH-8270	OIL/OTH	1	1	8270	03/11 18:59
9M23704.	AC50188-007(MS)		OK OMB1363	JB	BNPAH-8270	OIL/OTH	1	1	8270	03/11 19:21
9M23705.	AC50188-007(MSD)		OK OMB1363	JB	BNPAH-8270	OIL/OTH	1	1	8270	03/11 19:43

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	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	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/pupdates modcheckprepupda	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

1-1-9M23706

Instrument: GCMS_9 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M23706.	CAL DFTPP	Ed1=2.2:Oc	OK,V-81184	AHD		Aqueous	1	1		03/12 09:43
9M23707.	CAL BNA@50PPM	C16	OK,V-81942	AHD		Aqueous	1	1	625 8270	03/12 10:37
9M23708.	AC50259-003(MS)		OK	AHD	BNA25-8270	Soil	1	1	8270	03/12 11:40
9M23709.	AC50259-003(MSD)		OK	AHD	BNA25-8270	Soil	1	1	8270	03/12 12:02
9M23710.	OMB1365(MS)		OK OMB1365	AHD		OIL/OTH	1	1	8270	03/12 13:00
9M23711.	OMB1365		OK	AHD		OIL/OTH	1	1	8270	03/12 13:23
9M23712.	AC50262-001		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/12 13:46
9M23713.	AC50262-002		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/12 14:09
9M23714.	AC50262-003		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/12 14:32
9M23715.	AC50262-004		OK	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/12 14:54
9M23716.	SMB4438(MS)	Sa8	RR	AHD		Soil	1	1	8270	03/12 15:17
9M23717.	SMB4438		OK	AHD		Soil	1	1	8270	03/12 15:40
9M23718.	SMB4438(MS)		OK	AHD		Soil	1	1	8270	03/12 16:03
9M23719.	AC50233-002		OK	AHD	BNA-8270	Soil	1	1	8270	03/12 16:26
9M23720.	AC50261-001(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	03/12 16:48
9M23721.	AC50101-001		OK	AHD	BN15-8270	Soil	1	1	8270	03/12 17:11
9M23722.	AC50101-004		OK	AHD	BN15-8270	Soil	1	1	8270	03/12 17:34
9M23723.	AC50133-003		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/12 17:57
9M23724.	AC50088-004	Oc	OK	AHD	BN-8270	Soil	1	1	8270	03/12 18:19
9M23725.	AC50233-002(MS)	Sa8Mnc	RR	AHD	BNA-8270	Soil	1	1	8270	03/12 18:42
9M23726.	AC50233-002(MSD)	Sa8Mnc	RR	AHD	BNA-8270	Soil	1	1	8270	03/12 19:05
9M23727.	AC50199-004(2X)	Sd	RR 3X	AHD	BNA25-8270	Soil	2	2	8270	03/12 19:28
9M23728.	AC50199-005	Sa8	RR	AHD	BNA25-8270	Soil	1	1	8270	03/12 19:50
9M23729.	AC50199-006		OK	AHD	BNA25-8270	Soil	1	1	8270	03/12 20:13
9M23730.	AC50199-007(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	03/12 20:36
9M23731.	AC50233-001	Sa8	RR	AHD	BNA-8270	Soil	1	1	8270	03/12 20:59
9M23732.	AC50233-004	Sa8	RR	AHD	BNA-8270	Soil	1	1	8270	03/12 21:21

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	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	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 modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
Ep	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

1-1-5M55987

RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M55987.	CAL DFTPP	Ed1=0.98:Oc	OK,V-82586	AHD		Aqueous	1	1		03/15 09:46
5M55988.	CAL BNA@50PPM	C16	OK,V-81942	AHD		Aqueous	1	1	625 8270	03/15 10:11
5M55989.	SMB4439		OK	AHD		Soil	1	1	8270	03/15 10:37
5M55990.	SMB4439(MS)		OK SMB4439	AHD		Soil	1	1	8270	03/15 11:00
5M55991.	SMB4438		OK	AHD		Soil	1	1	8270	03/15 11:22
5M55992.	AC50293-001(20X)		OK	AHD	BN-PALOS82	Soil	20	20	8270	03/15 11:44
5M55993.	AC50293-011(10X)		OK SMB4439	AHD	BN-PALOS82	Soil	10	10	8270	03/15 12:07
5M55994.	AC50293-002(10X)		OK	AHD	BN-PALOS82	Soil	10	10	8270	03/15 12:30
5M55995.	AC50293-003(10X)		OK	AHD	BN-PALOS82	Soil	10	10	8270	03/15 12:52
5M55996.	SMB4438(MS)		OK SMB4438	AHD		Soil	1	1	8270	03/15 13:14
5M55997.	AC50293-006(5X)		SURRO. SPIKED DOUBLE,OK	AHD	BN-PALOS82	Soil	5	5	8270	03/15 13:37
5M55998.	AC50293-007(5X)		OK	AHD	BN-PALOS82	Soil	5	5	8270	03/15 14:00
5M55999.	AC50293-008(10X)		OK	AHD	BN-PALOS82	Soil	10	10	8270	03/15 14:22
5M56000.	AC50293-009(10X)		OK	AHD	BN-PALOS82	Soil	10	10	8270	03/15 14:45
5M56001.	AC50293-010(10X)		OK	AHD	BN-PALOS82	Soil	10	10	8270	03/15 15:08
5M56002.	AC50233-002(MS)		OK SMB4438	AHD	BNA-8270	Soil	1	1	8270	03/15 15:30
5M56003.	AC50233-002(MSD)		OK SMB4438	AHD	BNA-8270	Soil	1	1	8270	03/15 15:52
5M56004.	AC50233-001		OK	AHD	BNA-8270	Soil	1	1	8270	03/15 16:15
5M56005.	AC50233-004		OK	AHD	BNA-8270	Soil	1	1	8270	03/15 16:37
5M56006.	OMB1368(MS)		OK OMB1368	AHD		OIL/OTH	1	1	8270	03/15 17:00
5M56007.	OMB1368(MS)DUP		OK	AHD		OIL/OTH	1	1	8270	03/15 17:22
5M56008.	OMB1368		OK	AHD		OIL/OTH	1	1	8270	03/15 17:44
5M56009.	OMB1366		OK	AHD		OIL/OTH	1	1	8270	03/15 18:45
5M56010.	OMB1366(MS)		OK OMB1366	AHD		OIL/OTH	1	1	8270	03/15 19:07
5M56011.	AC50293-011(10X)(MS		OK SMB4439	AHD	BN-PALOS82	Soil	10	10	8270	03/15 19:30
5M56012.	AC50293-011(10X)(MS		OK SMB4439	AHD	BN-PALOS82	Soil	10	10	8270	03/15 19:52
5M56013.	AC50188-011		OK OMB1366	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/15 20:14
5M56014.	AC50188-011(MS)		OK OMB1366	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/15 20:36
5M56015.	AC50188-011(MSD)		OK OMB1366	AHD	BNPAH-8270	OIL/OTH	1	1	8270	03/15 20:59
5M56016.	AC50291-004		OK	AHD	BNA25-8270	Soil	1	1	8270	03/15 21:21
5M56017.	AC50327-002	Oc	RR 3X	AHD	BNA25-8270	OIL/OTH	1	1	8270	03/15 21:43
5M56018.	AC50327-003	Ti8	RR	AHD	BNA25-8270	OIL/OTH	1	1	8270	03/15 22:05
5M56019.	AC50327-001(3X)	Ti8	RR 2X	AHD	BNA25-8270	OIL/OTH	3	3	8270	03/15 22:28
5M56020.	AC50126-016	Ti8	RR	AHD	BN-8270	Soil	1	1	8270	03/15 22:50

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	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	Prnb 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	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/updates modcheckprepupda	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_5 Year: 2010
Analyst: AHD

1-1-5M56021

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M56021.	CAL DFTPP	Ed1=1.6:Oc	OK,V-82586	AHD		Aqueous	1	1		03/16 08:58
5M56022.	CAL BNA@50PPM	C16	OK,V-81942	AHD		Aqueous	1	1	625 8270	03/16 09:26
5M56023.	SMB4441		OK	AHD		Soil	1	1	8270	03/16 09:48
5M56024.	SMB4440		OK	AHD		Soil	1	1	8270	03/16 10:10
5M56025.	SMB4441(MS)		OK SMB4041	AHD		Soil	1	1	8270	03/16 10:33
5M56026.	AC50327-003		OK	AHD	BNA25-8270	Oil/Other	1	1	8270	03/16 10:55
5M56027.	AC50327-001(2X)		OK	AHD	BNA25-8270	Oil/Other	2	2	8270	03/16 11:17
5M56028.	AC50327-002(3X)		OK	AHD	BNA25-8270	Oil/Other	3	3	8270	03/16 11:40
5M56029.	AC50233-002		OK	AHD	BNA-8270	Soil	1	1	8270	03/16 12:02
5M56030.	AC50282-001		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 13:14
5M56031.	AC50173-005		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 13:35
5M56032.	AC50165-009		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 13:58
5M56033.	AC50173-003		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 14:20
5M56034.	AC50254-002		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 14:54
5M56035.	AC50254-003		OK	AHD	ERROR	Soil	1	1	8270	03/16 15:16
5M56036.	AC50254-004	Oc	RR 3X	AHD	BNPAH-8270	Soil	1	1	8270	03/16 15:39
5M56037.	AC50254-005	Sb8Oc	RR 10X	AHD	BNPAH-8270	Soil	1	1	8270	03/16 16:02
5M56038.	AC50199-004(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	03/16 16:24
5M56039.	AC50199-005		OK	AHD	BNA25-8270	Soil	1	1	8270	03/16 16:47
5M56040.	AC50313-012		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 17:09
5M56041.	AC50313-014		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 17:32
5M56042.	AC50313-015		OK	AHD	ERROR	Soil	1	1	8270	03/16 17:54
5M56043.	AC50313-016		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 18:17
5M56044.	AC50313-017		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 18:39
5M56045.	AC50313-018		OK	AHD	BNPAH-8270	Soil	1	1	8270	03/16 19:01
5M56046.	AC50313-019		OK	AHD	ERROR	Soil	1	1	8270	03/16 19:24
5M56047.	AC50165-004(20X)		OK	AHD	BNPAH-8270	Soil	20	20	8270	03/16 19:46
5M56048.	AC50173-002(10X)		RR 3X	AHD	BNPAH-8270	Soil	10	10	8270	03/16 20:08

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	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	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
Epp	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
Ep	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-62910

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: jean
Description: DFTPP STOCK STD. | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 3/24/2009 | Concentration: 2000 ppm | Checked: Yes
Expiration Date: 3/24/2010 | Final Volume: 5 ml

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 Lot Number: V-62912

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: jean
Description: BNA-5 MIX | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 3/24/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 3/24/2010 | Final Volume: 10 ml

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 | Department: Organics | ApprovedBy: jean
Description: Pyridine Stock Std. | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 3/26/2009 | Concentration: 10,000 ppm | Checked: Yes
Expiration Date: 3/26/2010 | Final Volume: 1 ml

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 | Department: Organics | ApprovedBy: jean
Description: BNA-6 MIX | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 3/27/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 3/27/2010 | Final Volume: 10 ml

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 Internally Prepared Standard Log

Veritech Lot Number: V-67466

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean	
Description: BNA Internal Std.	BatchNumber:	ApproveDate: 07/30/09	
Prep Date: 6/11/2009	Concentration: 2000 ppm	Checked: Yes	
Expiration Date: 6/11/2010	Final Volume: 500 ml		

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 Lot Number: V-73986

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean	
Description: BNA-Pest Mix	BatchNumber:	ApproveDate: 10/02/09	
Prep Date: 9/28/2009	Concentration: 1000 ppm	Checked: Yes	
Expiration Date: 9/27/2010	Final Volume: 10 ml		

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-79284

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean	
Description: BNA Surrog.Std.	BatchNumber:	ApproveDate: 01/08/10	
Prep Date: 1/6/2010	Concentration: 1000-2000 pp	Checked: Yes	
Expiration Date: 2/6/2011	Final Volume: 1000 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
3876	p-Terphenyl-d14	.3 g	NEAT neat	300 ppm
2930	p-Terphenyl-d14	.7 g	neat neat	700 ppm
3877	PHENOL-2,3,4,5,6-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
4583	Acetone	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-79288

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	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
4582	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-79292

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	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
4583	Acetone	10 ml	neat neat	

Veritech Lot Number: V-80196

Prepared By: Hamid, Akmal
Description: BNA STOCK Std.A
Prep Date: 1/25/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 01/26/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4504	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-79284	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
v-62912	BNA-5 MIX	60 ul	5000 ppm	250 ppm
4582	methylene chloride	90 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-80206

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA STOCK Std.B	BatchNumber:	ApproveDate: 01/26/10
Prep Date: 1/25/2010	Concentration: 250 ppm	Checked: Yes
Expiration Date: 3/26/2010	Final Volume: 1.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3173	Tcl PAH Mix	150 ul	2000 ppm	250 ppm
4507	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
4506	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4505	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-79284	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
4582	methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-81171

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA STOCK Std.	BatchNumber:	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 200 ppm	Checked: Yes
Expiration Date: 3/24/2010	Final Volume: 500 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
4698	METHYLENE CHLORIDE	90 ul	neat neat	
V-80196	BNA STOCK Std.A	400 ul	250 ppm	200 ppm

Veritech Lot Number: V-81173

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA 10 ppm curve	BatchNumber: B-7182	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 10 ppm	Checked: Yes
Expiration Date: 3/24/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	93 ul	neat neat	

Veritech Lot Number: V-81174

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA 20 ppm curve	BatchNumber: B-7182	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 20 ppm	Checked: Yes
Expiration Date: 3/24/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	88 ul	neat neat	

Veritech Lot Number: V-81175

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA 50 ppm curve	BatchNumber: B-7182	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date: 3/24/2010	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
4698	METHYLENE CHLORIDE	438 ul	neat neat	
V-81171	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81176

Prepared By: Hamid, Akmal
Description: BNA 80 ppm curve
Prep Date: 2/12/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber: B-7182
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	58 ul	neat neat	

Veritech Lot Number: V-81177

Prepared By: Hamid, Akmal
Description: BNA 120 ppm curve
Prep Date: 2/12/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber: B-7182
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	38 ul	neat neat	

Veritech Lot Number: V-81178

Prepared By: Hamid, Akmal
Description: BNA 160 ppm curve
Prep Date: 2/12/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber: B-7182
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	18 ul	neat neat	

Veritech Lot Number: V-81179

Prepared By: Hamid, Akmal
Description: BNA 196 ppm curve
Prep Date: 2/12/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber: B-7182
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	0	neat neat	

Veritech Lot Number: V-81180

Prepared By: Hamid, Akmal
Description: BNA 50 ppm curve
Prep Date: 2/12/2010
Expiration Date: 3/24/2010
Department: Organics
BatchNumber: B-7182
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81171	BNA STOCK Std.	25 ul	200 ppm	50 ppm
4698	METHYLENE CHLORIDE	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81181

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA 2 ppm curve	BatchNumber: B-7182	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 2 ppm	Checked: Yes
Expiration Date: 3/24/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81180	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4698	METHYLENE CHLORIDE	94 ul	neat neat	

Veritech Lot Number: V-81182

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA ICV CAL@50PPM	BatchNumber:	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date: 3/26/2010	Final Volume: 0.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4698	METHYLENE CHLORIDE	155 ul	neat neat	
V-80206	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-67466	BNA Internal Std.	4 ul	2000 ppm	40 ppm

Veritech Lot Number: V-81184

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: DFTPP Mix	BatchNumber:	ApproveDate: 02/16/10
Prep Date: 2/12/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date: 3/24/2010	Final Volume: 1 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-62910	DFTPP STOCK STD.	25 ul	2000 ppm	50 ppm
4427	DDT/ENDRIN MIX	200 ul	500 ppm	100 ppm
4507	TCL Phenols/Benzidines Mix	50 ul	2000 ppm	100 ppm
4434	METHYLENE CHLORIDE	725 ul	neat	

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA-5 MIX	BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010	Concentration: 5000 ppm	Checked: Yes
Expiration Date: 3/1/2011	Final Volume: 10 ml	

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
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA-6 MIX	BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010	Concentration: 5000 ppm	Checked: Yes
Expiration Date: 3/1/2011	Final Volume: 10 ml	

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
4005	n-Decane	.05 g	Neat 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
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81938

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA STOCK Std.A	BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010	Concentration: 250 ppm	Checked: Yes
Expiration Date: 9/1/2010	Final Volume: 1.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4504	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-79284	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
4715	Methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-81939

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA STOCK Std.	BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010	Concentration: 200 ppm	Checked: Yes
Expiration Date: 9/1/2010	Final Volume: 500 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
4715	Methylene chloride	90 ul	neat neat	
V-81938	BNA STOCK Std.A	400 ul	250 ppm	200 ppm

Veritech Lot Number: V-81940

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description: BNA 10 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date: 3/1/2010	Concentration: 10 ppm	Checked: Yes
Expiration Date: 6/11/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	93 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81941

Prepared By:	Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description:	BNA 20 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date:	3/1/2010	Concentration: 20 ppm	Checked: Yes
Expiration Date:	6/11/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	88 ul	neat neat	

Veritech Lot Number: V-81942

Prepared By:	Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description:	BNA 50 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date:	3/1/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date:	6/11/2010	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
V-81939	BNA STOCK Std.	150 ul	200 ppm	50 ppm
4715	Methylene chloride	438 ul	neat neat	

Veritech Lot Number: V-81943

Prepared By:	Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description:	BNA 80 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date:	3/1/2010	Concentration: 80 ppm	Checked: Yes
Expiration Date:	6/11/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	58 ul	neat neat	

Veritech Lot Number: V-81944

Prepared By:	Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description:	BNA 120 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date:	3/1/2010	Concentration: 120 ppm	Checked: Yes
Expiration Date:	6/11/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	38 ul	neat neat	

Veritech Lot Number: V-81945

Prepared By:	Hamid, Akmal	Department: Organics	ApprovedBy: jean
Description:	BNA 160 ppm curve	BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date:	3/1/2010	Concentration: 160 ppm	Checked: Yes
Expiration Date:	6/11/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	18 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81946

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean
Description: BNA 196 ppm curve		BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date: 3/1/2010		Concentration: 196 ppm	Checked: Yes
Expiration Date: 6/11/2010		Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	0	neat neat	

Veritech Lot Number: V-81947

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean
Description: BNA 50 ppm curve		BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date: 3/1/2010		Concentration: 50 ppm	Checked: Yes
Expiration Date: 6/11/2010		Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81939	BNA STOCK Std.	25 ul	200 ppm	50 ppm
4715	Methylene chloride	75 ul	neat neat	

Veritech Lot Number: V-81948

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean
Description: BNA 2 ppm curve		BatchNumber: B-7250	ApproveDate: 03/02/10
Prep Date: 3/1/2010		Concentration: 2 ppm	Checked: Yes
Expiration Date: 6/11/2010		Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-81947	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4715	Methylene chloride	94 ul	neat neat	

Veritech Lot Number: V-81949

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean
Description: BNA STOCK Std.B		BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010		Concentration: 250 ppm	Checked: Yes
Expiration Date: 3/26/2010		Final Volume: 1.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3173	Tcl PAH Mix	150 ul	2000 ppm	250 ppm
4507	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
4506	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4505	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-79284	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-63020	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
4715	Methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-81950

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean
Description: BNA ICV CAL@50PPM		BatchNumber:	ApproveDate: 03/02/10
Prep Date: 3/1/2010		Concentration: 50 ppm	Checked: Yes
Expiration Date: 3/26/2010		Final Volume: 0.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4715	Methylene chloride	155 ul	neat neat	
V-81949	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-67466	BNA Internal Std.	4 ul	2000 ppm	40 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean	
Description: DFTPP STOCK STD.	BatchNumber:	ApproveDate: 03/12/10	
Prep Date: 3/10/2010	Concentration: 2000 ppm	Checked: Yes	
Expiration Date: 3/10/2011	Final Volume: 5 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Lot Number: V-82586

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: jean	
Description: DFTPP Mix	BatchNumber:	ApproveDate: 03/12/10	
Prep Date: 3/10/2010	Concentration: 50 ppm	Checked: Yes	
Expiration Date: 10/31/2010	Final Volume: 5 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	125 ul	2000 ppm	50 ppm
4427	DDT/ENDRIN MIX	1000 ul	500 ppm	100 ppm
4507	TCL Phenols/Benzidines Mix	250 ul	2000 ppm	100 ppm
4713	Methylene Chloride	3625 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: 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: 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 Standard Receipt Log

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: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	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 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 Standard Receipt Log

Veritech Control/Receipt Number: 2930

ApprovedBy: jean
ApproveDate: 12/02/09
Checked: Yes

Description
p-Terphenyl-d14

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

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

Description
Tcl PAH Mix

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

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

Description
DFTPP

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: 3213

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

Description
DFTPP

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Control/Receipt Number: 3639

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

Description
4.4'-DDT

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

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

Description
4.4'-DDD

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 Control/Receipt Number: 3641

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

Description
4.4'-DDE

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 Standard Receipt Log

Veritech Control/Receipt Number: 3642

Description	ApprovedBy: jean
ENDRIN	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: 3798

Description	ApprovedBy: jean
ACETOPHENONE	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	ApprovedBy: jean
PYRIDINE	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	ApprovedBy: jean
1,4-Dimethylnaphthalene	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 Control/Receipt Number: 3876

Description	ApprovedBy: jean
p-Terphenyl-d14	ApproveDate: 01/14/10
	Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	364630-500	CX0564	01/27/09	01/27/13	Hamid, Akmal	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 3877

Description	ApprovedBy: jean
PHENOL-2,3,4,5,6-d5,	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	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3977

Description	ApprovedBy: jean
ATRAZINE	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	F2208	401-135A	03/11/09	04/30/11	Revolus, Jean	1	500m	NEAT	

Veritech Standard Receipt Log

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: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	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 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 Standard Receipt Log

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: 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 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: 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 Standard Receipt Log

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: 4504

Description
8270 MegaMix

ApprovedBy: akmal
ApproveDate: 11/05/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A070659	11/04/09	04/30/11	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 4505

Description
TCL Base-Neutral Mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4506

Description
TCL Hazardous Substances Mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	11/06/09	01/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4507

Description
TCL Phenols/Benzidines Mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	11/06/09	07/31/11	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4582

Description
methylene chloride

ApprovedBy: akmal
ApproveDate: 12/30/09
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	H45S00	12/29/09	02/27/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4583

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H15E22	12/29/09	07/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
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	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
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	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
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	H50S00	02/23/10	03/31/11	Lopez, Jose	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: 4435

Description
ACETONE

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	925403	H15E26	09/29/09	07/30/10	Okomeng, Maxwel	32	4LT	neat	

Veritech Control/Receipt Number: 4615

Description
Sodium Sulfate

ApprovedBy: jean
ApproveDate: 01/21/10
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	01/12/10	01/12/12	Okomeng, Maxwel	4	100L	neat	neat

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
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	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary

% Solids

TestGroupName: % Solids SM2540G   Project #: 0030558

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC50199-001	PI-01-TP-RAS103	Soil	**1**	**74**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-002	PI-01-TP-RAS303	Soil	**1**	**56**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-003	PI-01-TP-RAS403	Soil	**1**	**74**	**Percent**			03/08/10	03/05/10	03/04/10
AC50199-004	PI-01-TP-RAU103	Soil	**1**	**63**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-005	PI-01-TP-RAU203	Soil	**1**	**72**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-006	PI-01-TP-RAU303	Soil	**1**	**69**	**Percent**			03/08/10	03/05/10	03/05/10
AC50199-007	PI-01-TP-RAS203	Soil	**1**	**77**	**Percent**			03/08/10	03/05/10	03/05/10

Analysis Type: SOLIDS-S

Batch Number: SOLIDS-S-3558 **Units:** Percent

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC50188-001	NA	NA	5	95.86703	NA	0.21	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC50188-001	DUP		96			95.867	1.08	12.21	11.75			03/08/10	beena
AC50188-001	Sample		96			96.066	1.08	12.01	11.58			03/08/10	beena
AC50188-002	Sample		100			99.729	1.09	12.18	12.15			03/08/10	beena
AC50188-003	Sample		98			97.867	1.08	12.33	12.09			03/08/10	beena
AC50188-004	Sample		100			99.819	1.08	12.16	12.14			03/08/10	beena
AC50188-005	Sample		98			98.002	1.09	12.6	12.37			03/08/10	beena
AC50188-006	Sample		98			98.46	1.08	12.12	11.95			03/08/10	beena
AC50188-007	Sample		100			99.549	1.09	12.17	12.12			03/08/10	beena
AC50188-008	Sample		97			97.163	1.09	12.37	12.05			03/08/10	beena
AC50188-009	Sample		98			98.183	1.09	12.1	11.9			03/08/10	beena
AC50188-011	Sample		95			95.234	1.08	12.62	12.07			03/08/10	beena
AC50196-001	Sample		85			84.881	1.09	12.4	10.69			03/08/10	beena
AC50196-002	Sample		86			86.36	1.08	12.59	11.02			03/08/10	beena
AC50196-003	Sample		88			88.307	1.09	12.55	11.21			03/08/10	beena
AC50199-001	Sample		74			74.106	1.09	12.83	9.79			03/08/10	beena
AC50199-002	Sample		56			56.261	1.09	12.11	7.29			03/08/10	beena
AC50199-003	Sample		74			74.196	1.08	12.59	9.62			03/08/10	beena
AC50199-004	Sample		63			63.363	1.08	12.38	8.24			03/08/10	beena
AC50199-005	Sample		72			71.906	1.1	12.17	9.06			03/08/10	beena
AC50199-006	Sample		69			69.455	1.1	12.1	8.74			03/08/10	beena
AC50199-007	Sample		77			77.471	1.09	12.32	9.79			03/08/10	beena

BM
3/9/10

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