User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/04/2002 Time: 08:41:55

Sample: AE04418
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/4/02 08:41 Ended: 4/4/02 08:41 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		122		5.0

Comments for Sample AE04418 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-04-2002 Time: 08:42:14

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:04 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.27	152	575042	20.00	ug/l	-0.09
10) Naphthalene-d8	15.90	136	2247762	20.00	ug/l	-0.09
17) Acenaphthene-d10	21.22	164	1205308	20.00	ug/l	-0.09
29) Phenanthrene-d10	25.66	188	1830991	20.00	ug/l	-0.10
38) Chrysene-d12	33.72	240	1151083	20.00	ug/l	-0.12
44) Perylene-d12	37.97	264	704265	20.00	ug/l	-0.15
System Monitoring Compounds						
37) 2,4-DDD	30.73	235	81057	6.09	ug/mL	0.23
Spiked Amount 5.000			Recovery = 121.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.96	128	193	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.55	165	375	N.D.		
25) Diethylphthalate	22.70	149	561	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:04 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

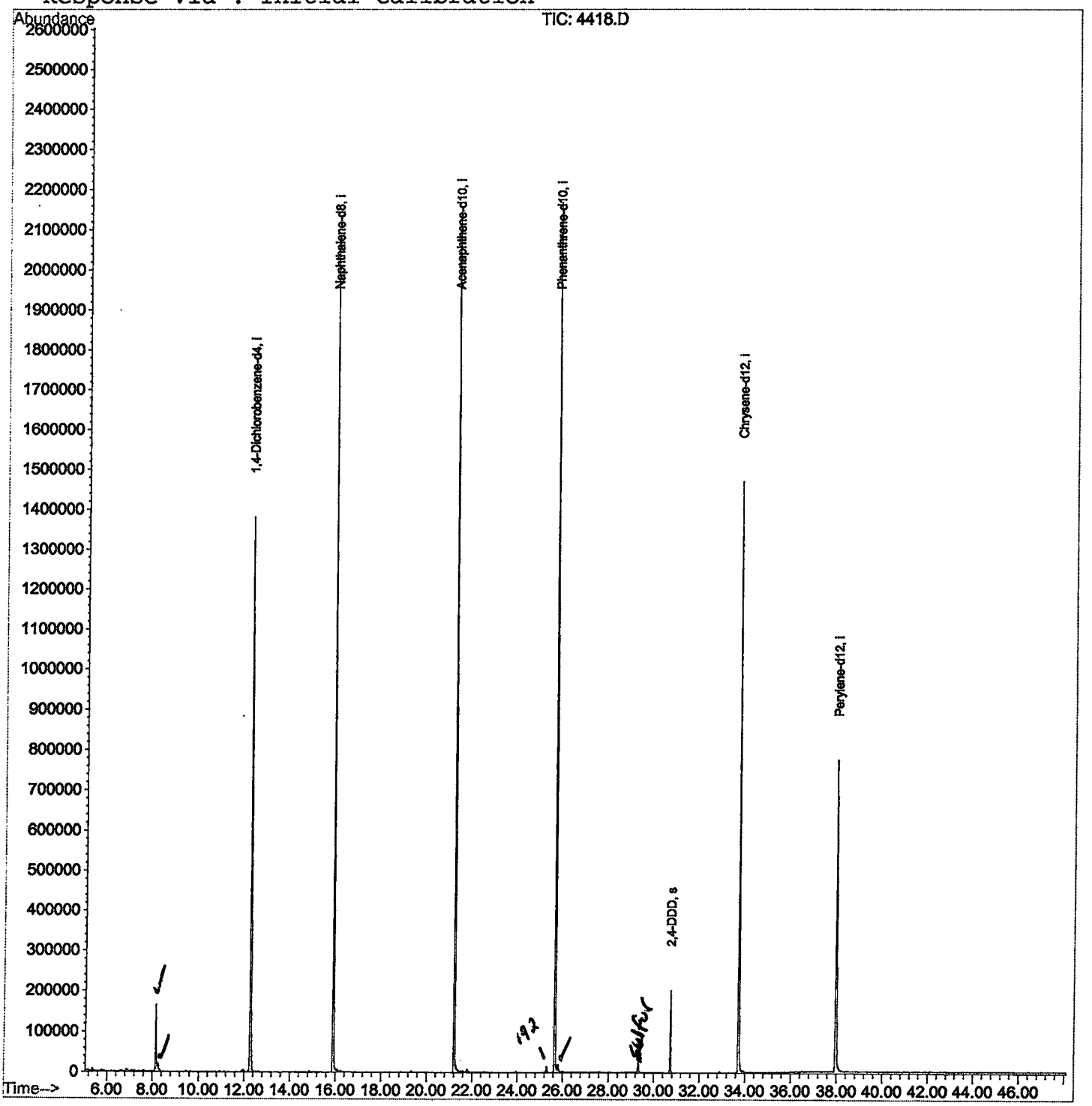
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.66	178	546	N.D.	
34)	Anthracene	25.66	178	546	N.D.	
35)	Di-n-butylphthalate	27.63	149	2054	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.72	228	2944	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.93	149	2218	N.D.	
43)	Chrysene	33.72	228	2945	N.D.	
45)	Di-n-Octylphthalate	35.68	149	209	N.D.	
46)	Benzo(b)fluoranthene	36.77	252	415	N.D.	
47)	Benzo(k)fluoranthene	36.84	252	470	N.D.	
48)	Benzo(a)pyrene	37.77	252	216	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:04 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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

Signal : TIC

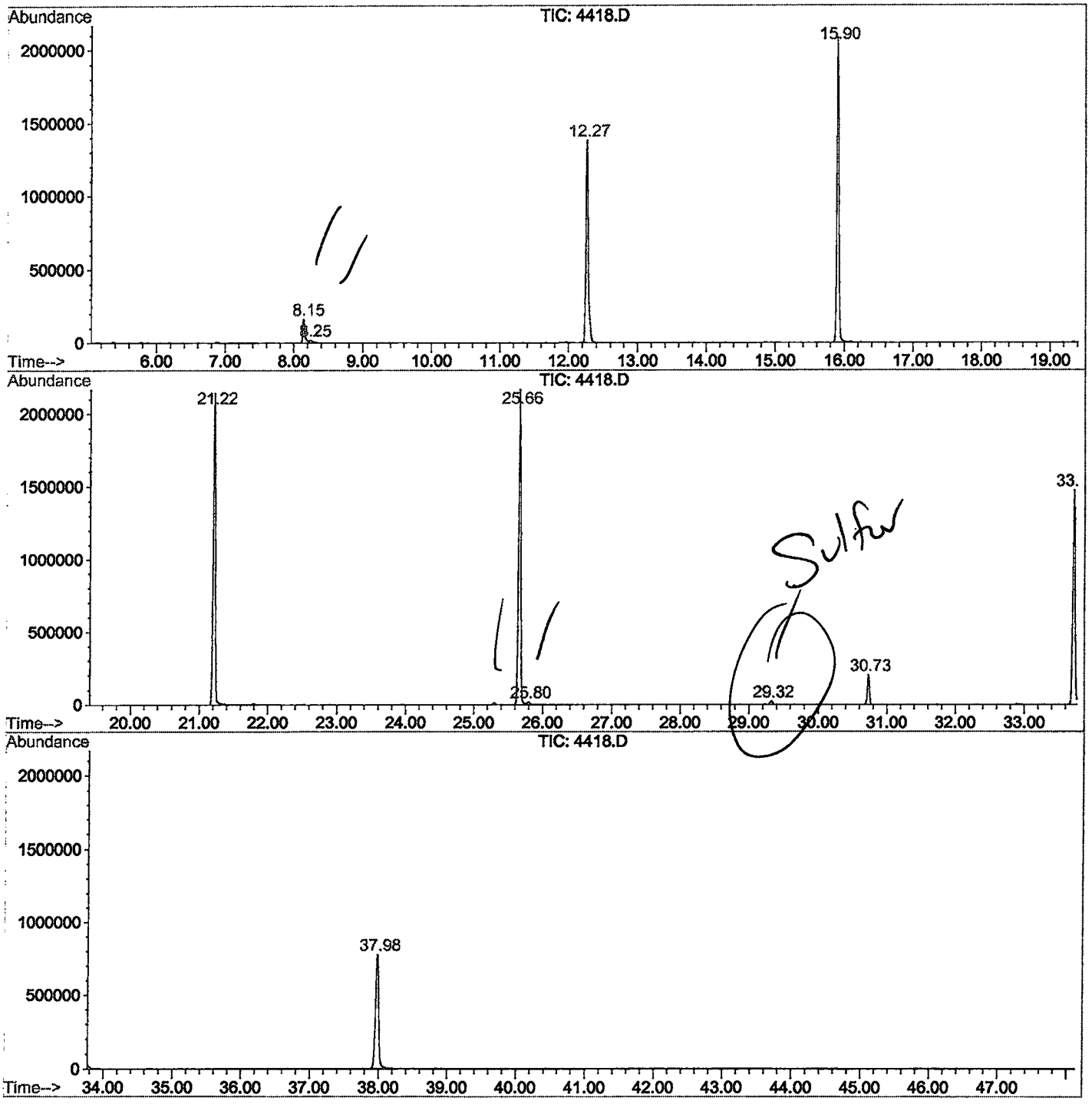
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.146	333	338	346	rBV	163976	378144	8.16%	1.617%
2	8.247	346	349	363	rVB	18951	64271	1.39%	0.275%
3	12.268	781	787	801	rVB	1380174	3143531	67.79%	13.440%
4	15.903	1177	1183	1200	rBV	2084661	4245936	91.57%	18.154%
5	21.219	1755	1762	1781	rBV	2144336	4636950	100.00%	19.825%
6	25.662	2239	2246	2257	rBV2	2169136	4594246	99.08%	19.643%
7	25.800	2257	2261	2270	rVB	18159	47417	1.02%	0.203%
8	29.325	2639	2645	2651	rVB	22310	52545	1.13%	0.225%
9	30.730	2793	2798	2804	rBV	202735	403519	8.70%	1.725%
10	33.722	3117	3124	3142	rBV2	1471475	3375006	72.79%	14.430%
11	37.982	3578	3588	3603	rBV2	773430	2447369	52.78%	10.464%

Sum of corrected areas: 23388934

4418.D GCMS0308.M Fri Mar 22 09:40:00 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2102\4418.D
Operator :
Acquired : 21 Mar 2002 7:09 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/1
Misc Info :
Vial Number: 9
Quant File :GCMS0308.RES (RTE Integrator)



4418.D GCMS0308.M Fri Mar 22 09:40:06 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

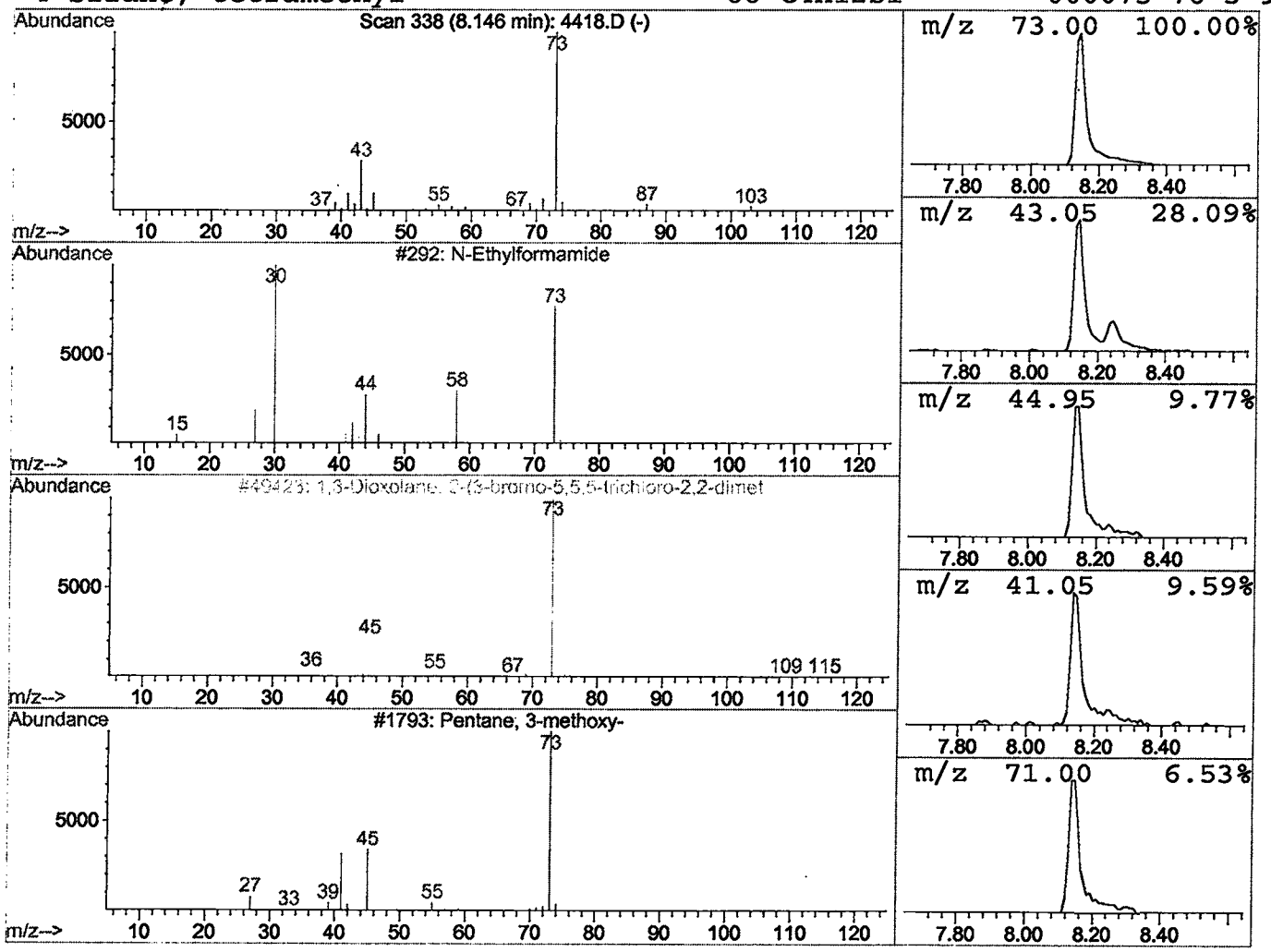
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	2.41 ug/l	378144	1,4-Dichlorobenzene-d4	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D
Acq On : 21 Mar 2002 7:09 pm
Sample : gc/ms scan 3/1
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator:
Inst : GC/MS 209
Multiplr: 1.00

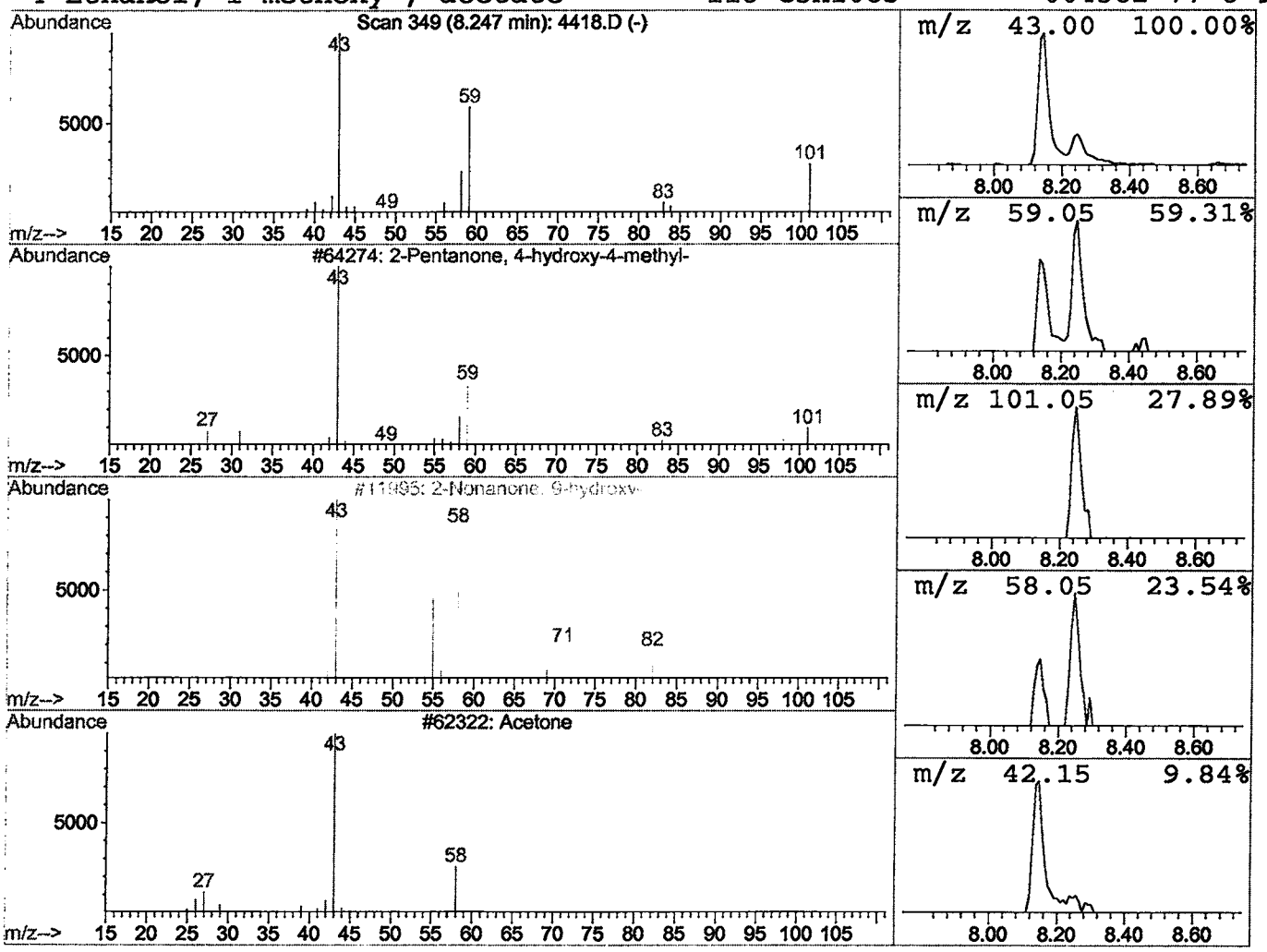
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	0.41 ug/l	64271	1,4-Dichlorobenzene-d4	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28
3	Acetone	58	C3H6O	000067-64-1	16
4	Ethanol, 1-methoxy-, acetate	118	C5H10O3	004382-77-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D
Acq On : 21 Mar 2002 7:09 pm
Sample : gc/ms scan 3/1
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator:
Inst : GC/MS 209
Multiplr: 1.00

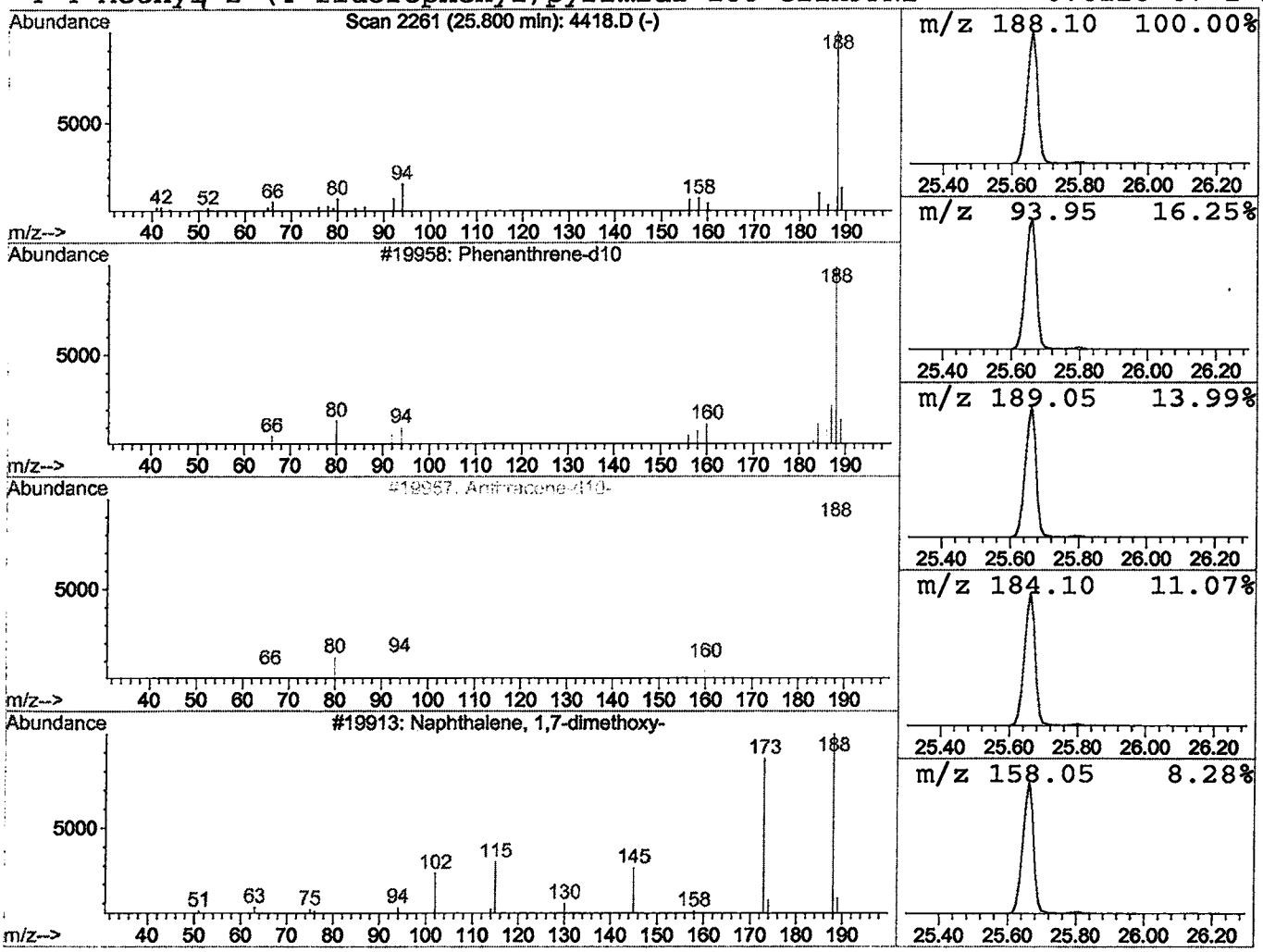
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Phenanthrene-d10 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.80	0.21 ug/l	47417	Phenanthrene-d10	25.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	64
2	Anthracene-d10-	188	C14D10	001719-06-8	50
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	38
4	4-Methyl-2-(4-fluorophenyl)pyrimidi	188	C11H9FN2	076128-67-1	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4418.D Vial: 9
Acq On : 21 Mar 2002 7:09 pm Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

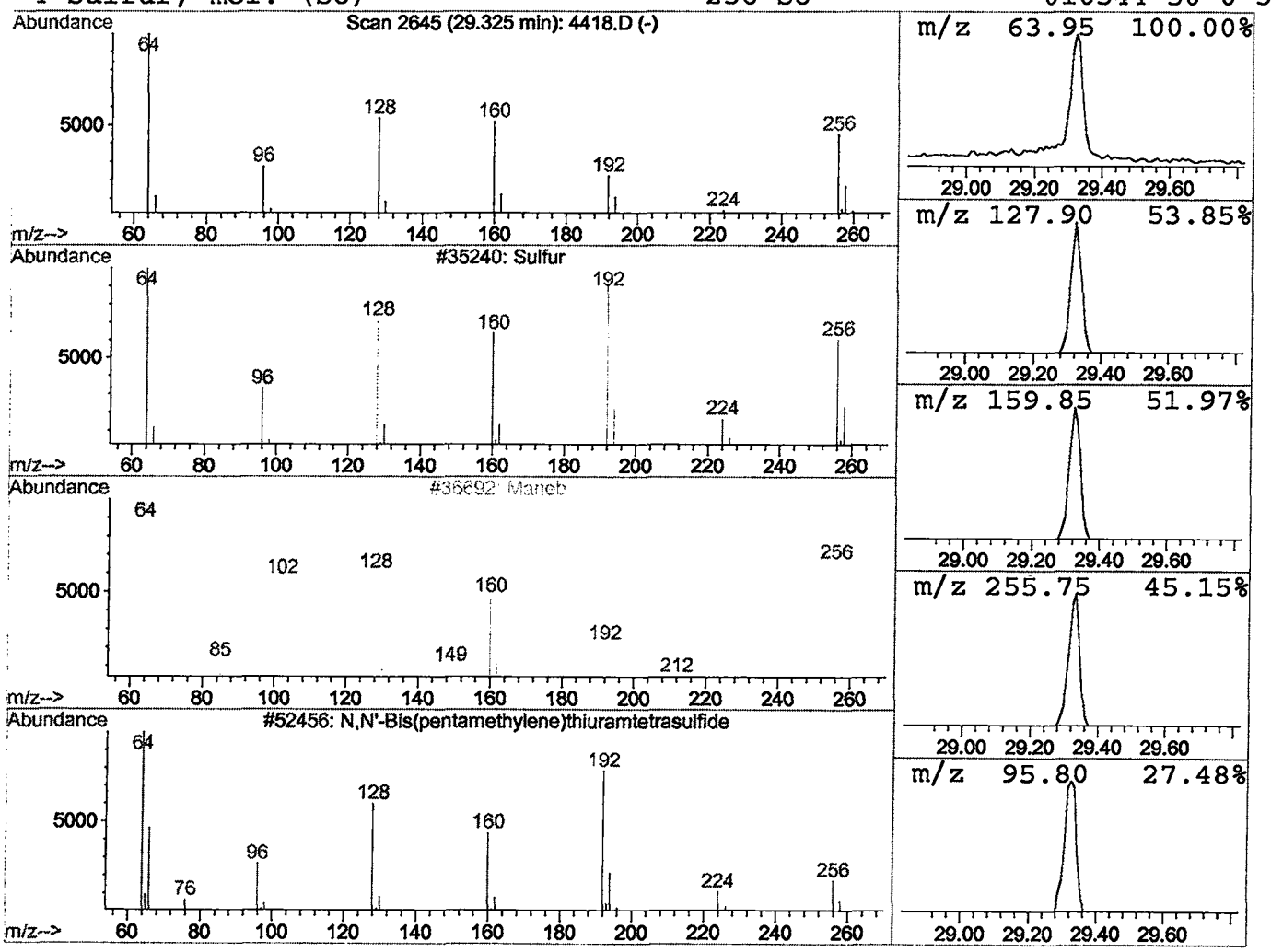
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Sulfur Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.33	0.23 ug/l	52545	Phenanthrene-d10	25.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur	256	S8	007704-34-9	93
2	Maneb	265	C4H6MnN2S4	012427-38-2	90
3	N,N'-Bis(pentamethylene)thiuramtetr	384	C12H20N2S6	000000-00-0	56
4	Sulfur, mol. (S8)	256	S8	010544-50-0	55



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 Mar 2002 7:09 pm
Data File: C:\HPCHEM\1\DATA\MAR2102\4418.D
Name: gc/ms scan 3/1
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
N-Ethylformamide	8.15	2.4	ug/l	378144	ISTD01	12.27	3143530	20.0
2-Pentanone, 4-hydro	8.25	0.4	ug/l	64271	ISTD01	12.27	3143530	20.0
Phenanthrene-d10	25.80	0.2	ug/l	47417	ISTD04	25.66	4594250	20.0
Sulfur	29.33	0.2	ug/l	52545	ISTD04	25.66	4594250	20.0

4418.D GCMS0308.M Fri Mar 22 09:40:29 2002