User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/23/2002 Time: 13:56:17

Sample: AE06424
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/23/02 13:56 Ended: 4/23/02 13:56 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		85		10.0

Comments for Sample AE06424 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-23-2002 Time: 13:56:53

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\APR1202\6424.D Vial: 9
Acq On : 15 Apr 2002 3:54 pm Operator:
Sample : re-extract Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 16 15:17 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.23	152	521924	20.00	ug/l	0.00
10) Naphthalene-d8	15.87	136	1906539	20.00	ug/l	0.00
17) Acenaphthene-d10	21.17	164	1090732	20.00	ug/l	0.00
30) Phenanthrene-d10	25.61	188	1626750	20.00	ug/l	0.00
39) Chrysene-d12	33.67	240	1027007	20.00	ug/l	0.00
45) Perylene-d12	37.90	264	663740	20.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	23.31	209	46655	8.53	ug/L	-0.02
Spiked Amount 10.000			Recovery = 85.30%			
38) 2,4-DDD	0.00	235	0	0.00	ug/mL	
Spiked Amount 5.000			Recovery = 0.00%			
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	15.92	128	203	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	0.00	165	0	N.D.		
25) Diethylphthalate	22.65	149	486	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
32) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1202\6424.D Vial: 9
Acq On : 15 Apr 2002 3:54 pm Operator:
Sample : re-extract Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 16 15:17 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.61	178	575	N.D.	
35)	Anthracene	25.61	178	575	N.D.	
36)	Di-n-butylphthalate	27.58	149	5009	N.D.	
37)	Fluoranthene	0.00	202	0	N.D.	
40)	Pyrene	0.00	202	0	N.D.	
41)	Butylbenzylphthalate	32.11	149	104	N.D.	
42)	Benzo(a)anthracene	33.67	228	2191	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.88	149	3865	N.D.	
44)	Chrysene	33.67	228	2192	N.D.	
46)	Di-n-Octylphthalate	0.00	149	0	N.D.	
47)	Benzo(b)fluoranthene	36.72	252	102	N.D.	
48)	Benzo(k)fluoranthene	36.72	252	102	N.D.	
49)	Benzo(a)pyrene	37.90	252	2549	N.D.	
50)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

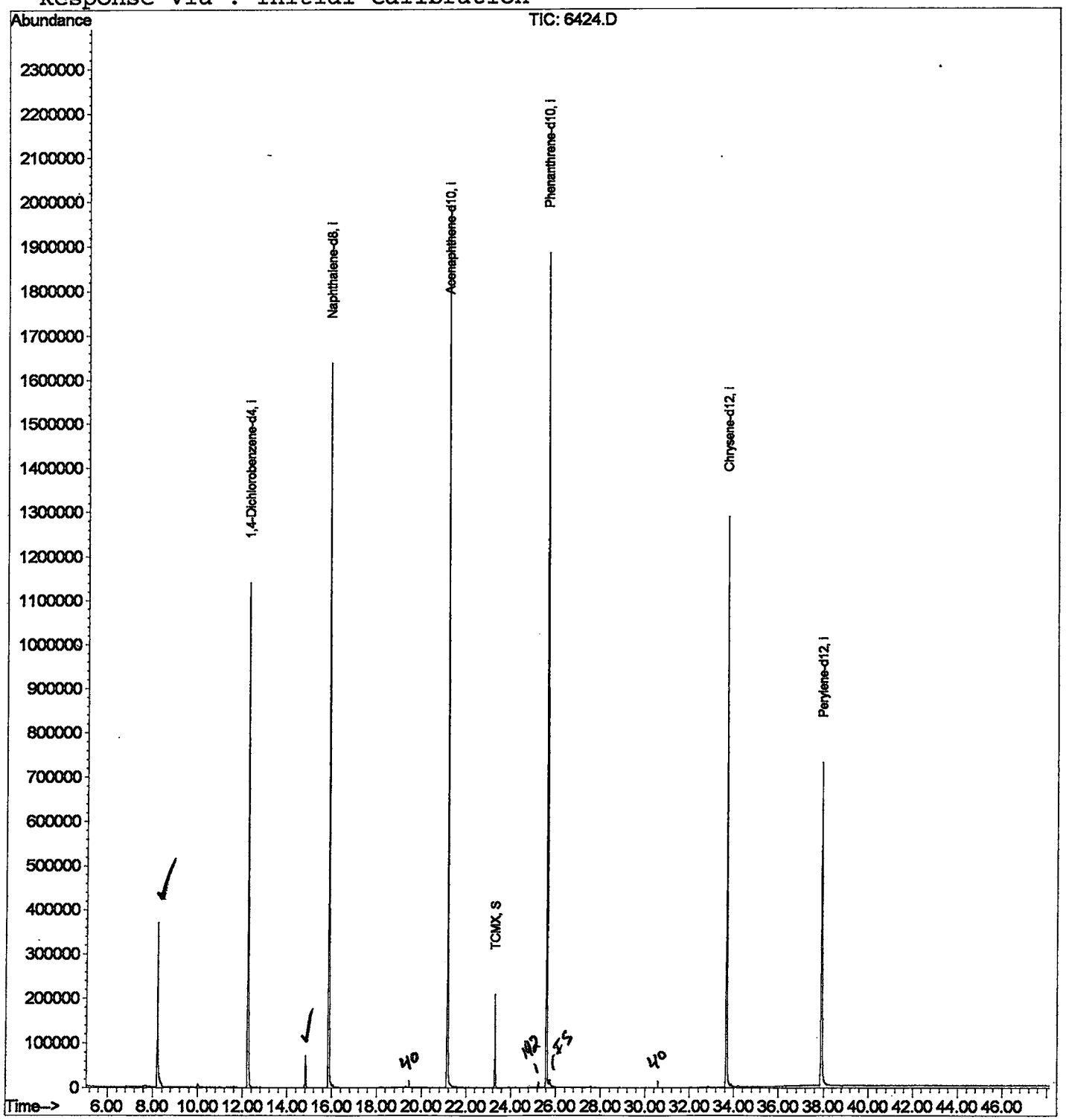
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1202\6424.D
Acq On : 15 Apr 2002 3:54 pm
Sample : re-extract
Misc :
MS Integration Params: GOOFY.P
Quant Time: Apr 16 15:17 2002

Vial: 9
Operator:
Inst : 209
Multiplr: 1.00
Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1202\6424.D Vial: 9
Acq On : 15 Apr 2002 3:54 pm Operator:
Sample : re-extract Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.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

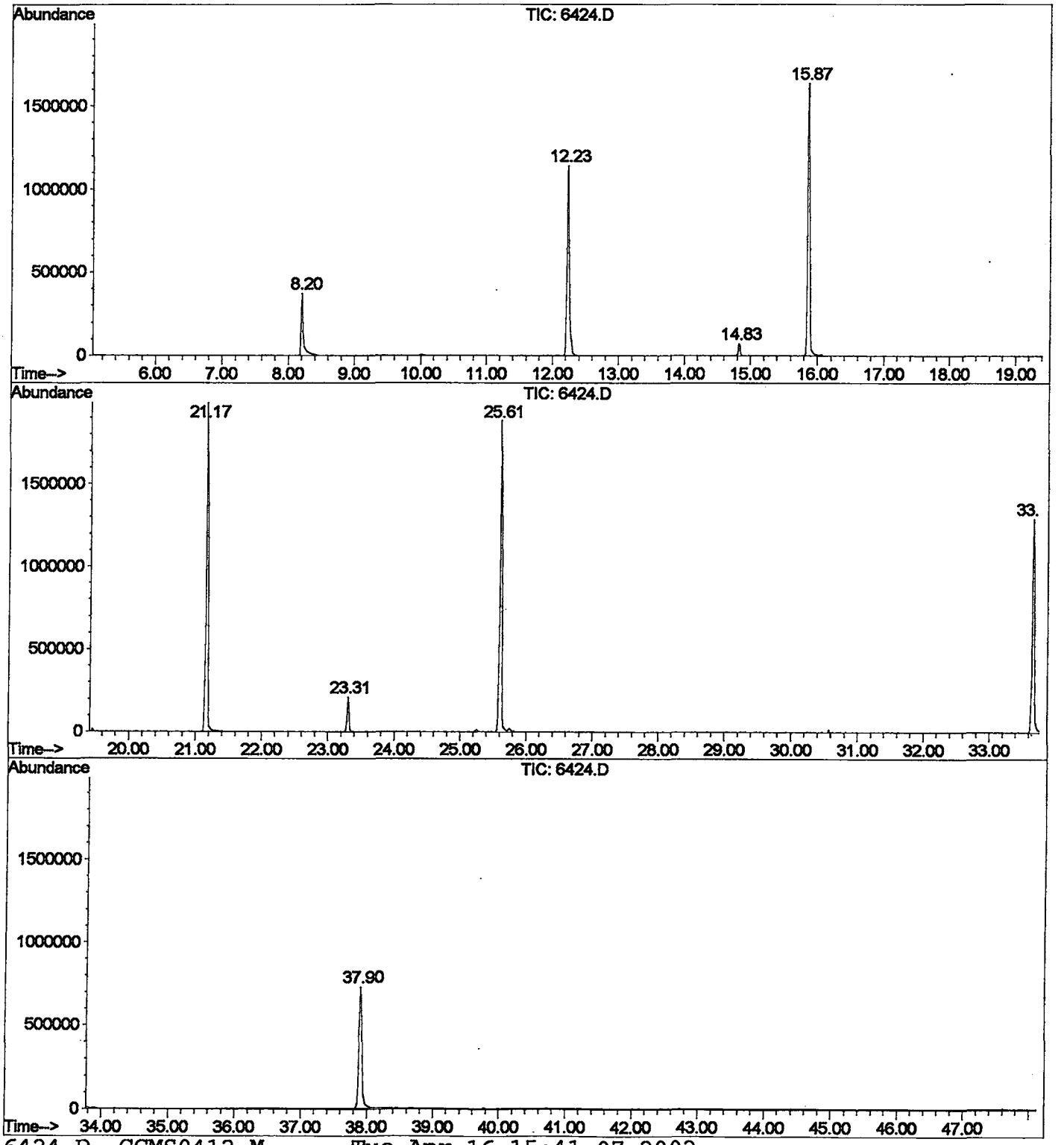
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.204	340	344	364	rBV	369377	858252	20.73%	4.041%
2	12.234	777	783	799	rBV	1140073	2791241	67.41%	13.141%
3	14.832	1061	1066	1073	rVB	71628	140752	3.40%	0.663%
4	15.869	1173	1179	1195	rBV	1636786	3580568	86.47%	16.857%
5	21.166	1750	1756	1770	rBV	1990499	4140625	100.00%	19.494%
6	23.305	1983	1989	1999	rVB	208482	413469	9.99%	1.947%
7	25.609	2233	2240	2251	rBV2	1884674	4078975	98.51%	19.204%
8	33.670	3110	3118	3138	rBV2	1288838	2977943	71.92%	14.020%
9	37.902	3569	3579	3596	rBV2	727724	2258949	54.56%	10.635%

Sum of corrected areas: 21240774

6424.D GCMS0412.M Tue Apr 16 15:41:06 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1202\6424.D
Operator :
Acquired : 15 Apr 2002 3:54 pm using AcqMethod GCMS0412
Instrument : 209
Sample Name: re-extract
Misc Info :
Vial Number: 9
Quant File :GCMS0412.RES (RTE Integrator)



6424.D GCMS0412.M Tue Apr 16 15:41:07 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1202\6424.D Vial: 9
Acq On : 15 Apr 2002 3:54 pm Operator:
Sample : re-extract Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

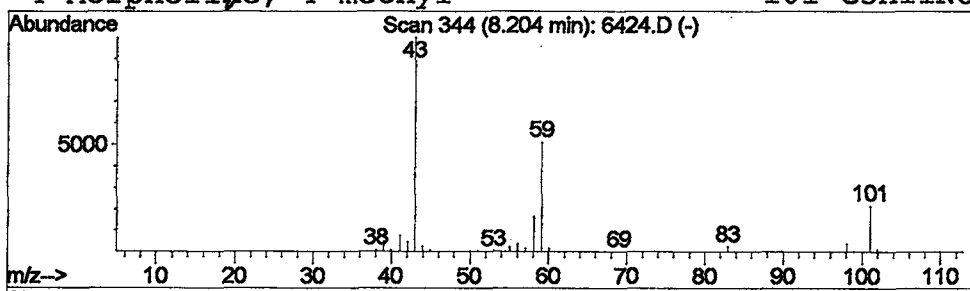
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

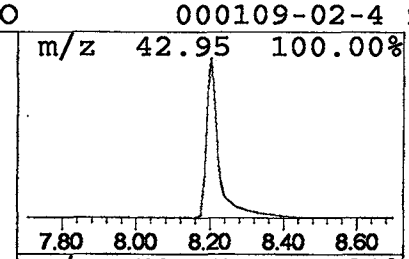
****

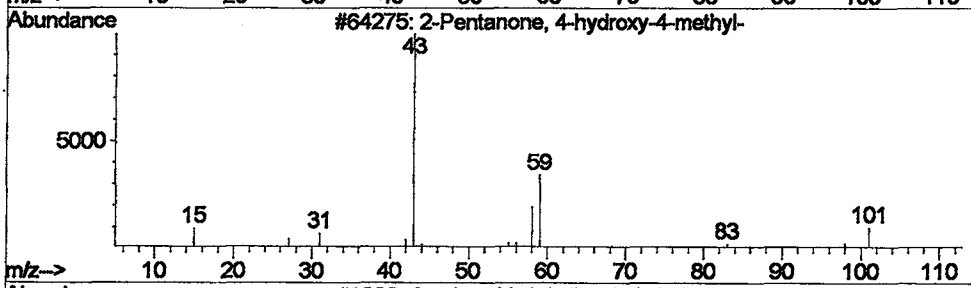
Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

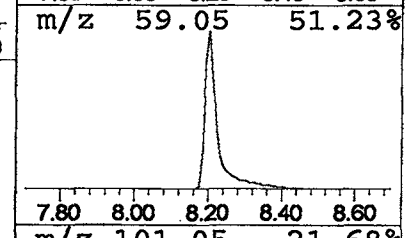
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	6.15 ug/l	858252	1,4-Dichlorobenzene-d4	12.23

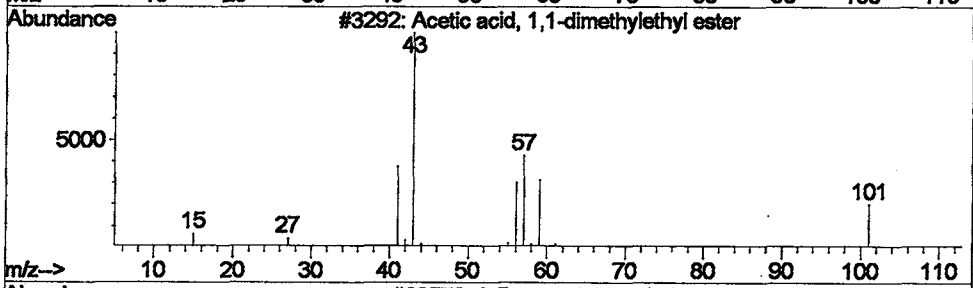
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	33
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

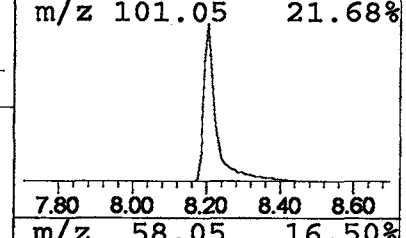


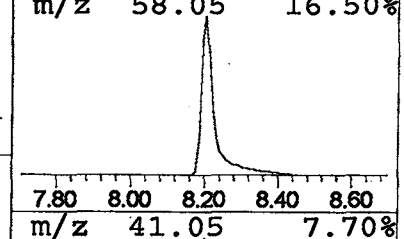


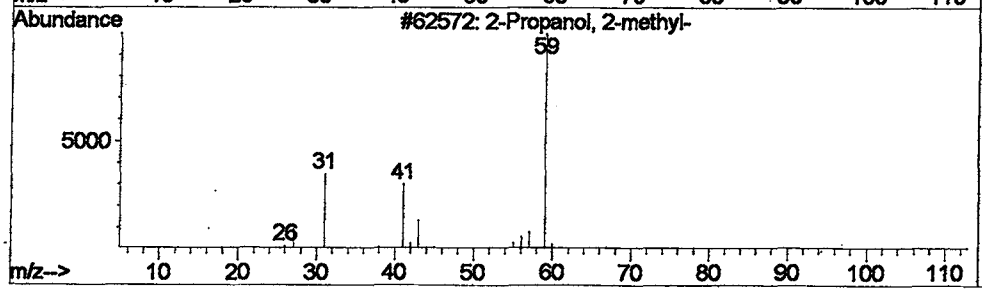


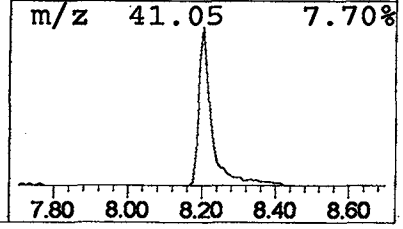












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1202\6424.D Vial: 9
Acq On : 15 Apr 2002 3:54 pm Operator:
Sample : re-extract Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

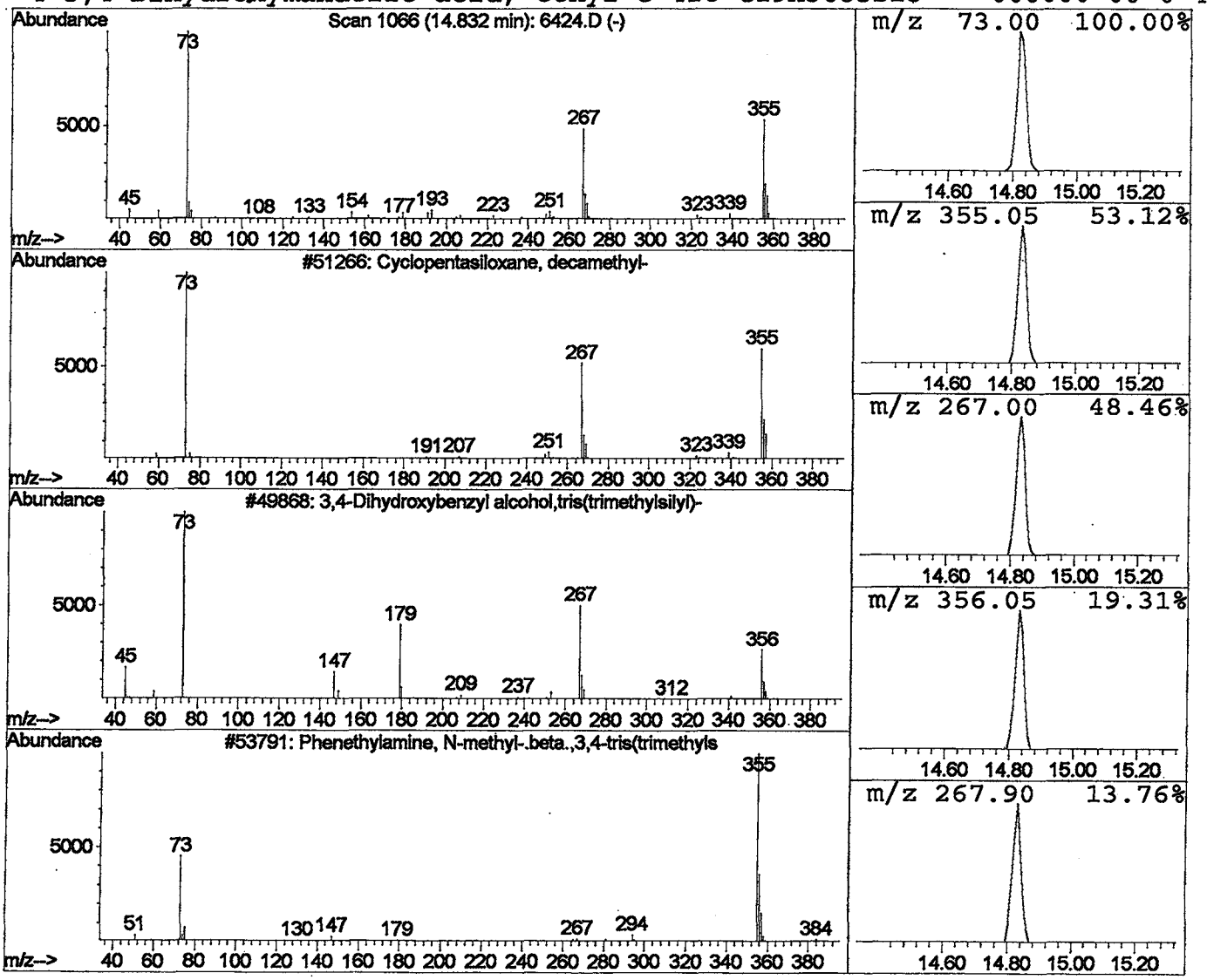
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	0.79 ug/l	140752	Naphthalene-d8	15.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	76
2	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	70
3	Phenethylamine, N-methyl-.beta.,3,4	399	C18H37NO3Si3	010538-85-9	50
4	3,4-Dihydroxymandelic acid, ethyl e	428	C19H36O5Si3	000000-00-0	40



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 15 Apr 2002 3:54 pm
Data File: C:\HPCHEM\1\DATA\APR1202\6424.D
Name: re-extract
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.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
2-Pentanone, 4-hydro	8.20	6.1	ug/l	858252	ISTD01	12.23	2791240	20.0
Cyclopentasiloxane,	14.83	0.8	ug/l	140752	ISTD02	15.87	3580570	20.0

6424.D GCMS0412.M Tue Apr 16 15:41:09 2002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0405\6424.D Vial: 10
Acq On : 5 Apr 2002 8:53 pm Operator:
Sample : gc/ms scan 3/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:14 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

original

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.24	152	446392	20.00	ug/l	-0.02
10) Naphthalene-d8	15.89	136	1628012	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.18	164	914745	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.63	188	1255918	20.00	ug/l	-0.03
39) Chrysene-d12	33.69	240	576818	20.00	ug/l	-0.03
45) Perylene-d12	37.93	264	301876	20.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	0.00	209	0	0.00	ug/mL	
Spiked Amount 4.000			Recovery	= 0.00%		
38) 2,4-DDD	30.70	235	63517	~~5.49~~ 5.37	ug/mL	0.21
Spiked Amount 5.000			Recovery	= ~~109.80%~~ 67%		
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	15.94	128	216	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.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	22.68	149	220	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
32) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0405\6424.D Vial: 10
Acq On : 5 Apr 2002 8:53 pm Operator:
Sample : gc/ms scan 3/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:14 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Hexachlorobenzene	0.00	284	0	N.D.	
34) Phenanthrene	25.64	178	330	N.D.	
35) Anthracene	25.64	178	330	N.D.	
36) Di-n-butylphthalate	27.60	149	8583	N.D.	
37) Fluoranthene	0.00	202	0	N.D.	
40) Pyrene	0.00	202	0	N.D.	
41) Butylbenzylphthalate	0.00	149	0	N.D.	
42) Benzo(a)anthracene	33.69	228	1334	N.D.	
43) Bis(2-ethylhexyl)phthalate	33.91	149	26389	1.55 ug/l	96
44) Chrysene	33.69	228	1334	N.D.	
46) Di-n-Octylphthalate	0.00	149	0	N.D.	
47) Benzo(b)fluoranthene	0.00	252	0	N.D.	
48) Benzo(k)fluoranthene	0.00	252	0	N.D.	
49) Benzo(a)pyrene	37.93	252	1117	N.D.	
50) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

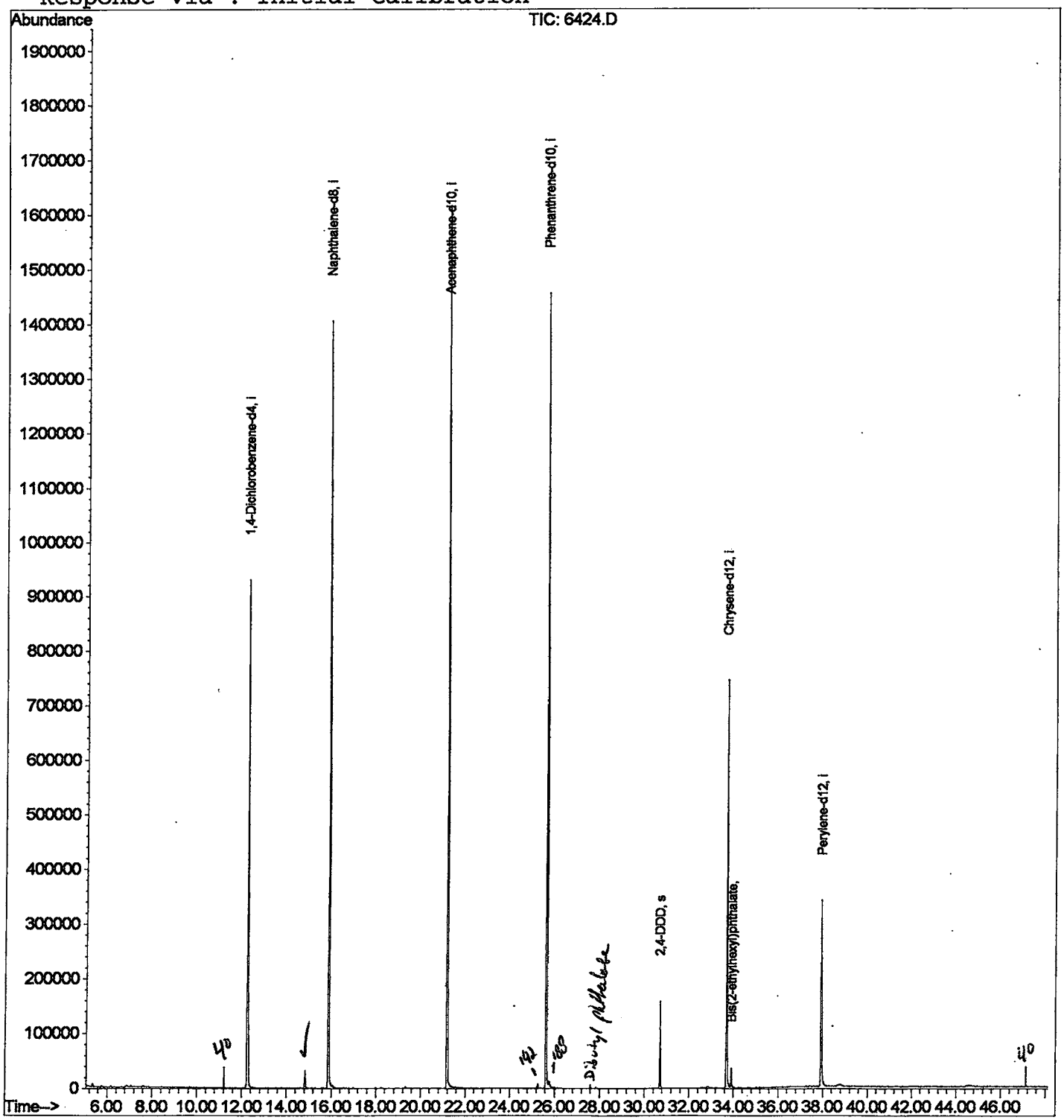
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0405\6424.D
Acq On : 5 Apr 2002 8:53 pm
Sample : gc/ms scan 3/19
Misc :
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:14 2002

Vial: 10
Operator:
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0408.RES

Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0405\6424.D Vial: 10
Acq On : 5 Apr 2002 8:53 pm Operator:
Sample : gc/ms scan 3/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0408.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

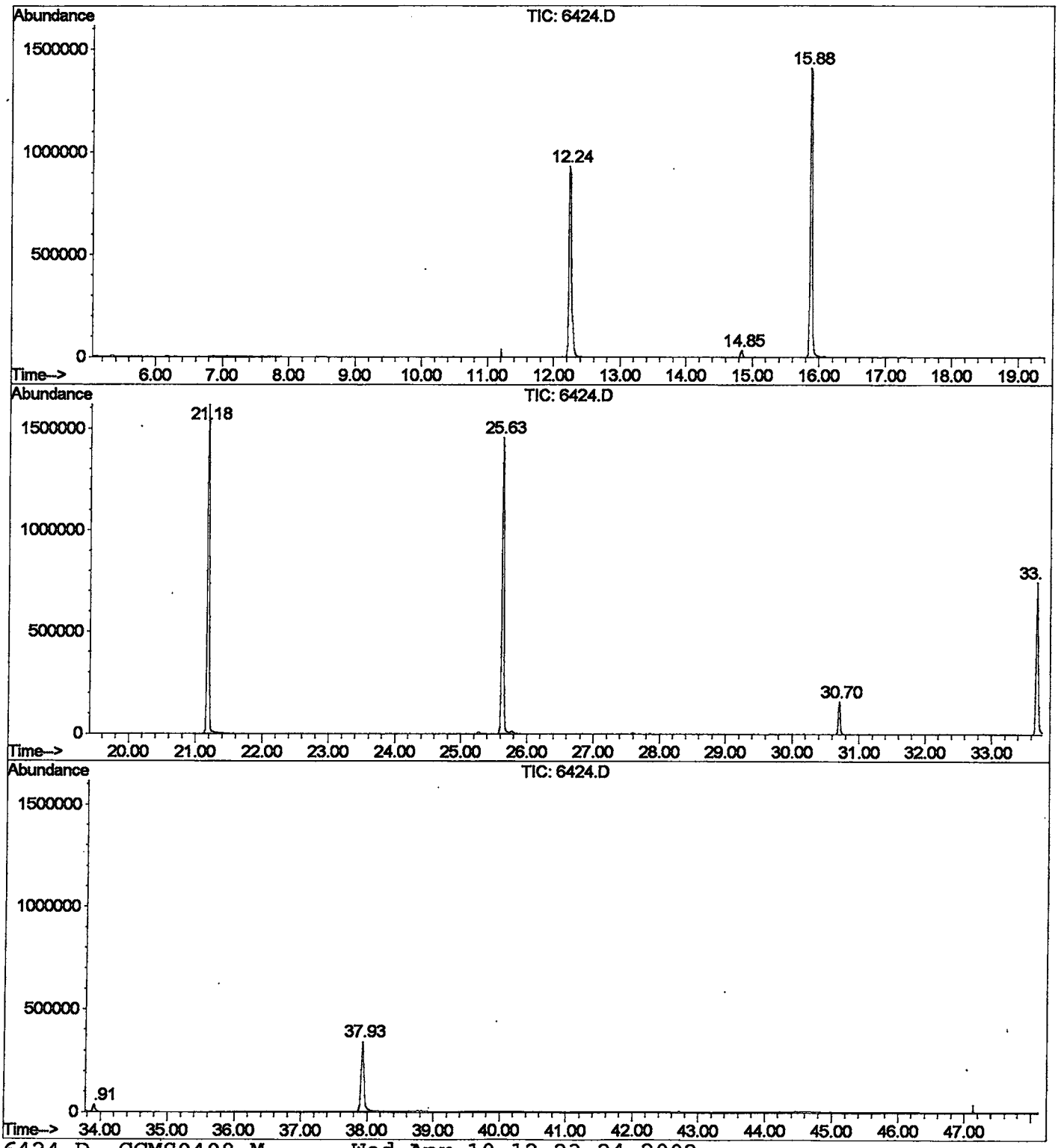
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.242	779	784	801	rBV	929678	2400641	69.46%	15.774%
2	14.849	1063	1068	1073	rVB	32585	64695	1.87%	0.425%
3	15.877	1174	1180	1198	rBV	1406268	3069275	88.81%	20.167%
4	21.183	1752	1758	1778	rBV	1616112	3456027	100.00%	22.708%
5	25.627	2236	2242	2255	rBV2	1456509	3154114	91.26%	20.725%
6	30.703	2790	2795	2802	rBV	159772	310771	8.99%	2.042%
7	33.687	3114	3120	3133	rBV2	746098	1656391	47.93%	10.884%
8	33.907	3140	3144	3153	rVB	36420	80919	2.34%	0.532%
9	37.928	3575	3582	3604	rBV2	340219	1026353	29.70%	6.744%

Sum of corrected areas: 15219186

6424.D GCMS0408.M Wed Apr 10 12:23:24 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0405\6424.D
Operator :
Acquired : 5 Apr 2002 8:53 pm using AcqMethod GCMS0403
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/19
Misc Info :
Vial Number: 10
Quant File :GCMS0408.RES (RTE Integrator)



6424.D GCMS0408.M Wed Apr 10 12:23:24 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0405\6424.D Vial: 10
Acq On : 5 Apr 2002 8:53 pm Operator:
Sample : gc/ms scan 3/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

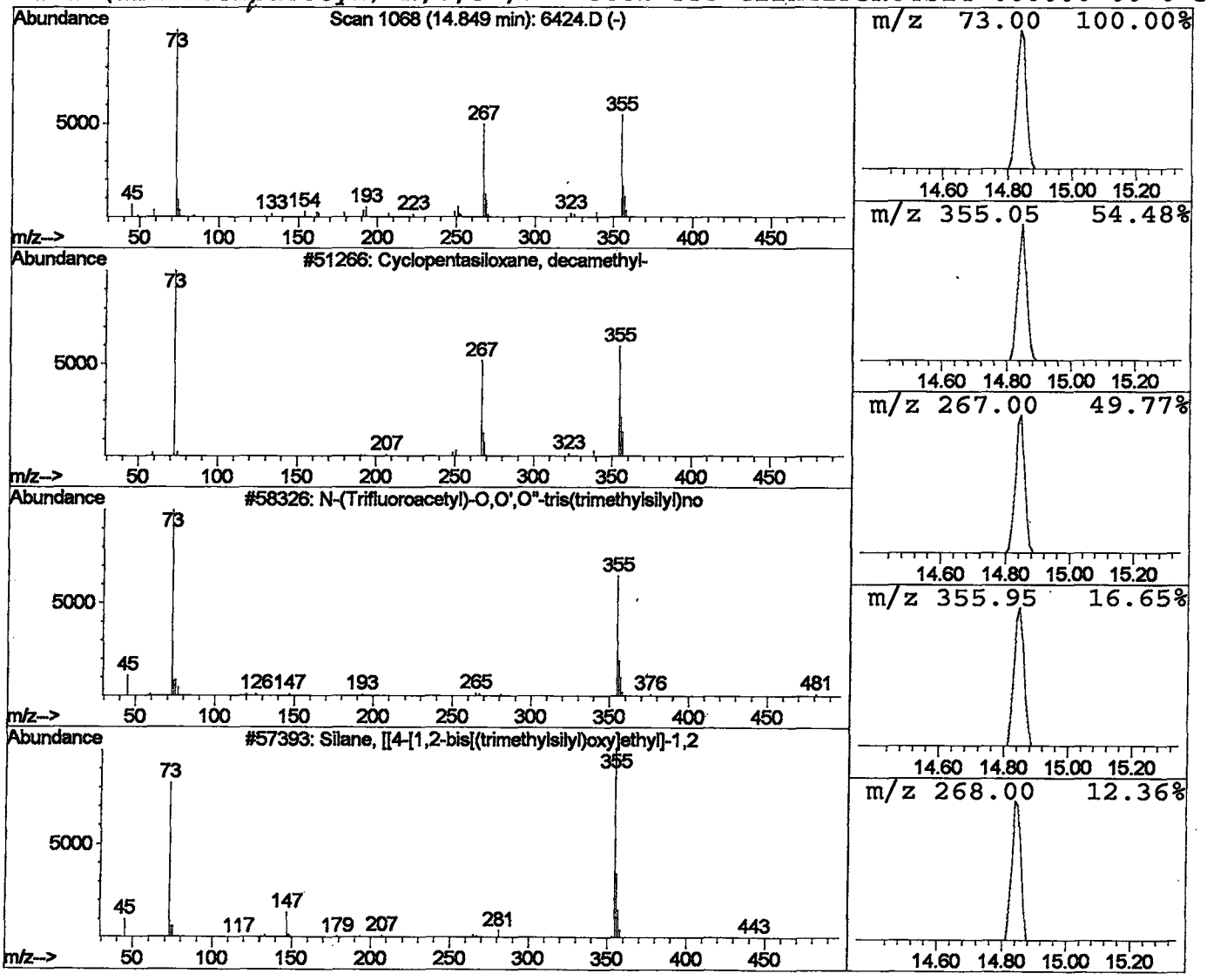
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclopentasiloxane, decamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	0.42 ug/l	64695	Naphthalene-d8	15.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	91
2	N-(Trifluoroacetyl)-O,O',O''-tris(t	481	C19H34F3NO4Si3	000000-00-0	38
3	Silane, [[4-[1,2-bis[(trimethylsily	458	C20H42O4Si4	056114-62-6	38
4	N-(Trifluoroacetyl)-N,O,O',O''-tetr	553	C22H42F3NO4Si4	000000-00-0	38



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 5 Apr 2002 8:53 pm
Data File: C:\HPCHEM\1\DATA\APR0405\6424.D
Name: gc/ms scan 3/19
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0408.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
Cyclopentasiloxane,	14.85	0.4	ug/l	64695	ISTD02	15.89	3069280	20.0

6424.D GCMS0408.M Wed Apr 10 12:23:25 2002