User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/25/2002 Time: 15:02:03

Sample: AE02460
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 16:28 Ended: 3/7/02 16:28 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr 2,4-DDD	LSPEC	68		5.0

Comments for Sample AE02460 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-25-2002 Time: 15:00:47

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 9 of the 43 compounds in the LCS Standard were below their acceptance ranges. This sample is the Field Blank. It is being reextracted and reanalyzed because of its low Surrogate Standard recovery. The reextracted sample had a Surrogate Standard recovery of 144%.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:50 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	12.26	152	552510	20.00	ug/l	-0.09
10) Naphthalene-d8	15.91	136	2135567	20.00	ug/l	-0.09
17) Acenaphthene-d10	21.21	164	1140715	20.00	ug/l	-0.10
29) Phenanthrene-d10	25.66	188	1686973	20.00	ug/l	-0.11
38) Chrysene-d12	33.72	240	1016231	20.00	ug/l	-0.13
44) Perylene-d12	37.97	264	612311	20.00	ug/l	-0.15
System Monitoring Compounds						
37) 2,4-DDD	30.73	235	88461	7.21	ug/mL	0.24
Spiked Amount 5.000			Recovery = 144.20%			
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	318	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	21.47	165	460	N.D.		
25) Diethylphthalate	22.68	149	896	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

Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:50 2002 Quant Results File: GCMS0308.RES

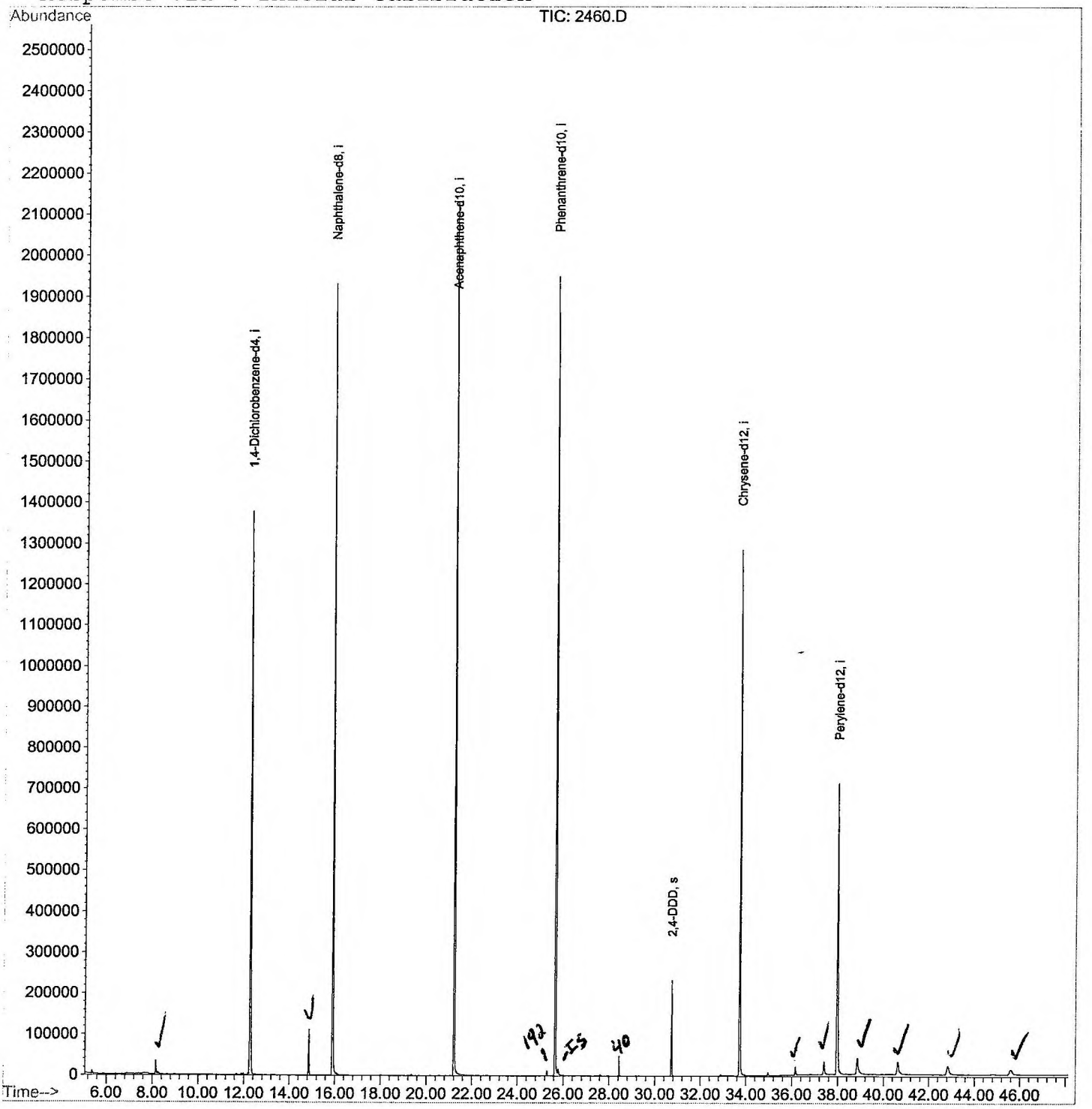
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

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	518	N.D.	
34) Anthracene	25.66	178	518	N.D.	
35) Di-n-butylphthalate	27.63	149	4965	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	2808	N.D.	
42) Bis(2-ethylhexyl)phthalate	33.93	149	1428	N.D.	
43) Chrysene	33.79	228	889	N.D.	
45) Di-n-Octylphthalate	35.67	149	506	N.D.	
46) Benzo(b)fluoranthene	36.84	252	1770	N.D.	
47) Benzo(k)fluoranthene	36.84	252	833	N.D.	
48) Benzo(a)pyrene	37.78	252	610	N.D.	
49) Indeno(1,2,3-cd)pyrene	42.14	276	183	N.D.	
50) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51) Benzo(g,h,i)perylene	43.34	276	294	N.D.	

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

Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 13:50 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\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb 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

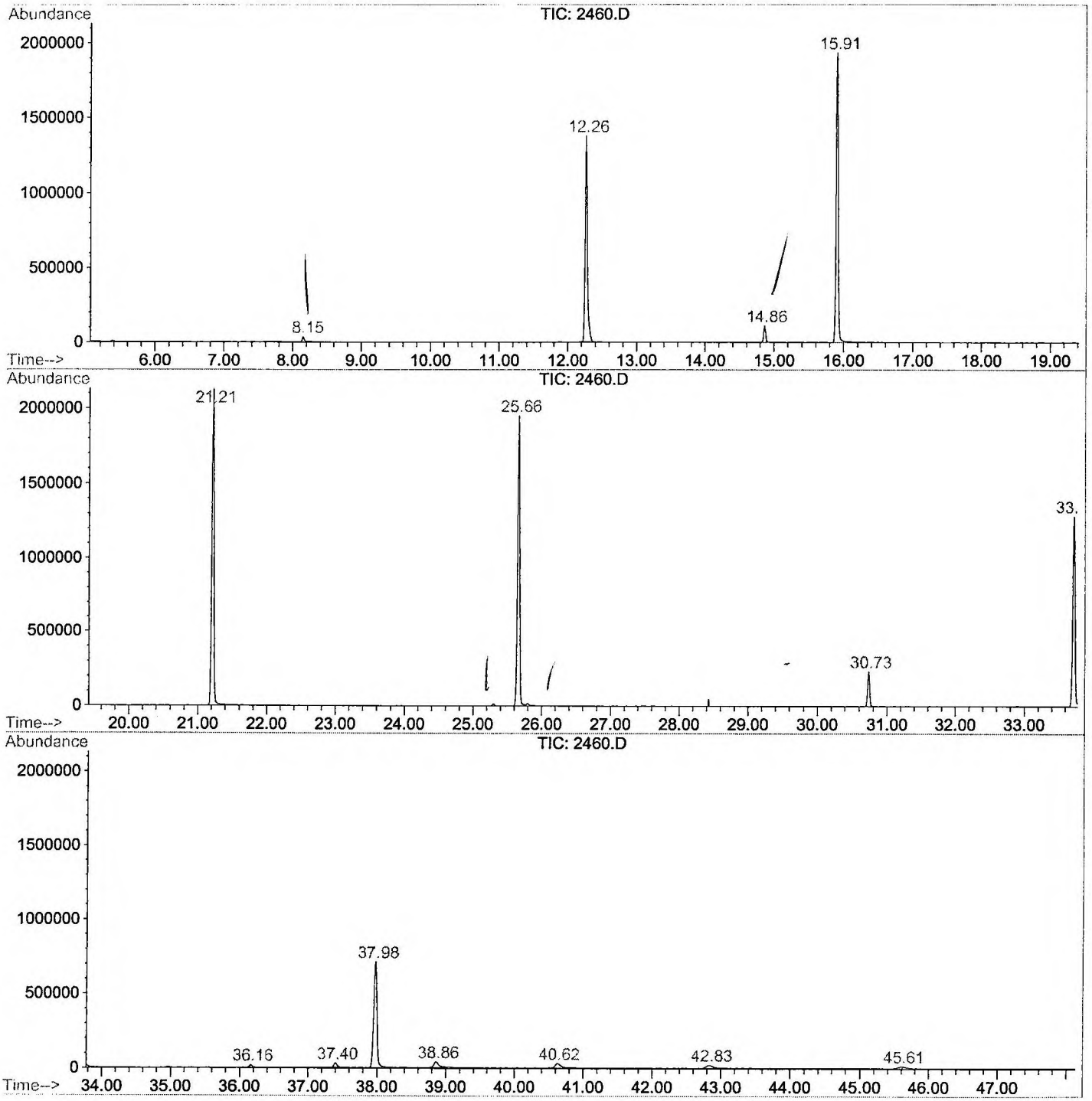
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.151	334	338	346	rBV	33750	71457	1.62%	0.320%
2	12.264	781	786	802	rVB	1376076	3042124	68.96%	13.604%
3	14.862	1064	1069	1076	rVB	110903	206375	4.68%	0.923%
4	15.909	1176	1183	1200	rBV	1931210	4061466	92.07%	18.162%
5	21.215	1754	1761	1775	rBV	2132387	4411459	100.00%	19.727%
6	25.658	2238	2245	2257	rBV2	1950505	4284229	97.12%	19.158%
7	30.735	2793	2798	2804	rVB	233226	449256	10.18%	2.009%
8	33.719	3115	3123	3139	rBV2	1285681	2998812	67.98%	13.410%
9	36.161	3383	3389	3397	rBV	19619	53682	1.22%	0.240%
10	37.400	3518	3524	3535	rBV	29619	95669	2.17%	0.428%
11	37.978	3577	3587	3607	rBV2	710154	2148828	48.71%	9.609%
12	38.860	3675	3683	3700	rBV2	37462	190312	4.31%	0.851%
13	40.622	3866	3875	3889	rBV4	29712	165241	3.75%	0.739%
14	42.835	4105	4116	4131	rBV3	19846	126995	2.88%	0.568%
15	45.607	4404	4418	4419	rBV5	12672	56829	1.29%	0.254%

Sum of corrected areas: 22362734

2460.D GCMS0308.M Thu Mar 21 14:14:38 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR1902\2460.D
Operator :
Acquired : 20 Mar 2002 10:44 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/4 fb
Misc Info :
Vial Number: 19
Quant File :GCMS0308.RES (RTE Integrator)



2460.D GCMS0308.M Thu Mar 21 14:14:45 2002

Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

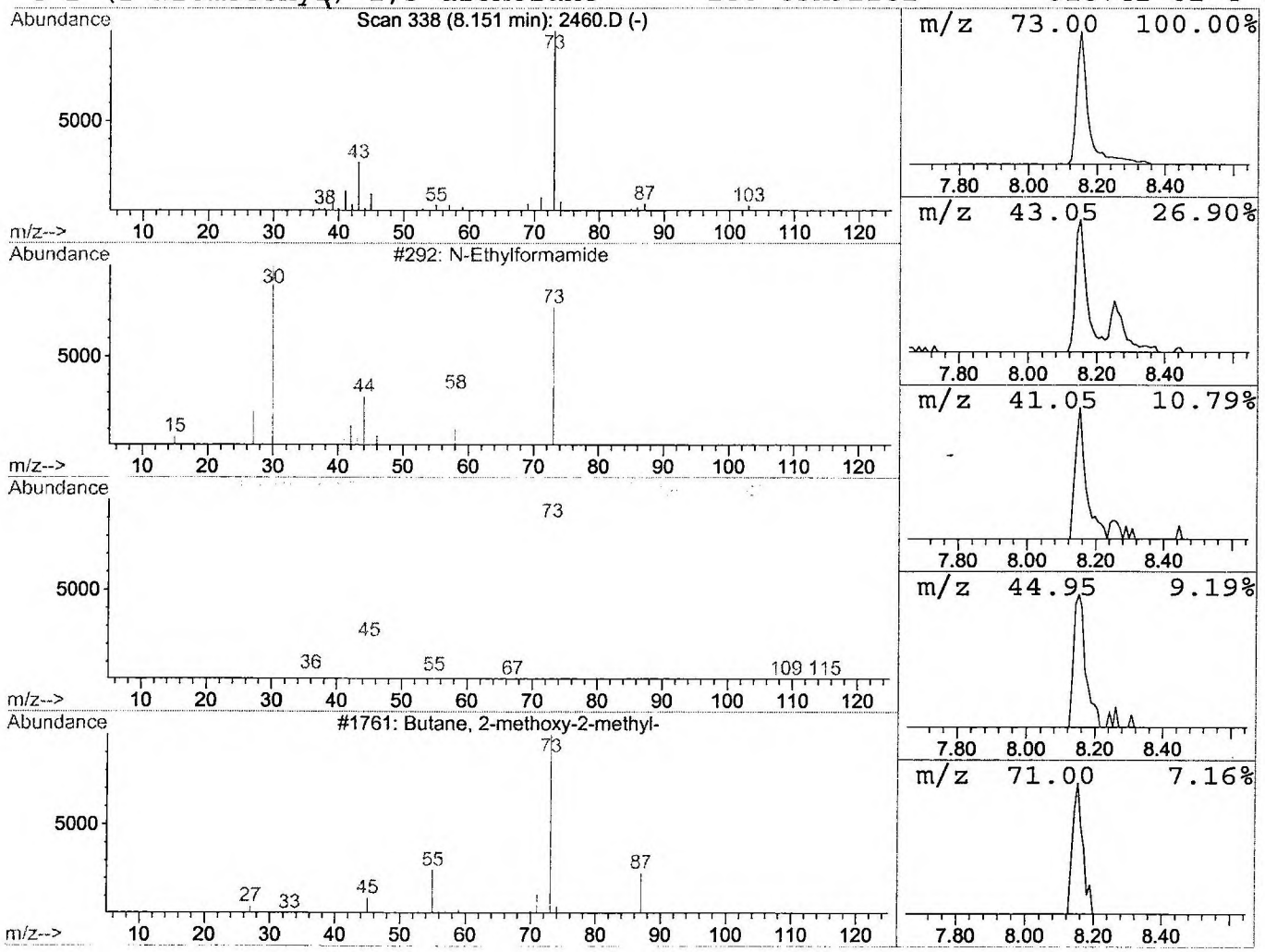
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	0.47 ug/l	71457	1,4-Dichlorobenzene-d4	12.26

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	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	4
4	2-(2-Bromoethyl)-1,3-dioxolane	180	C5H9BrO2	018742-02-4	4



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

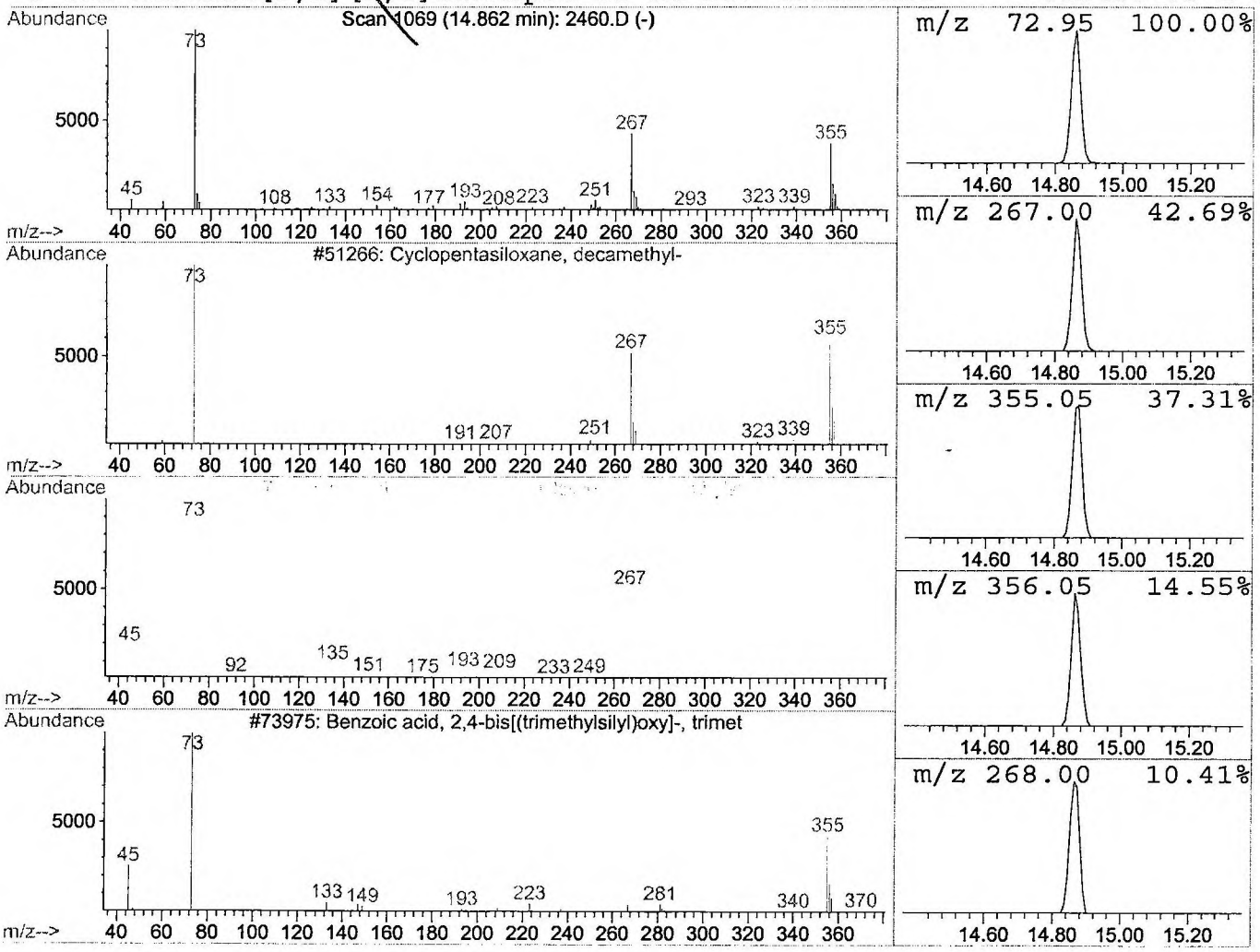
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	1.02 ug/l	206375	Naphthalene-d8	15.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	53
2	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	38
3	Benzoic acid, 2,4-bis[(trimethylsil	370	C16H30O4Si3	010586-16-0	35
4	11H-Dibenzo[b,E][1,4]diazepin-11-on	267	C16H17N3O	013450-73-2	30



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb 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

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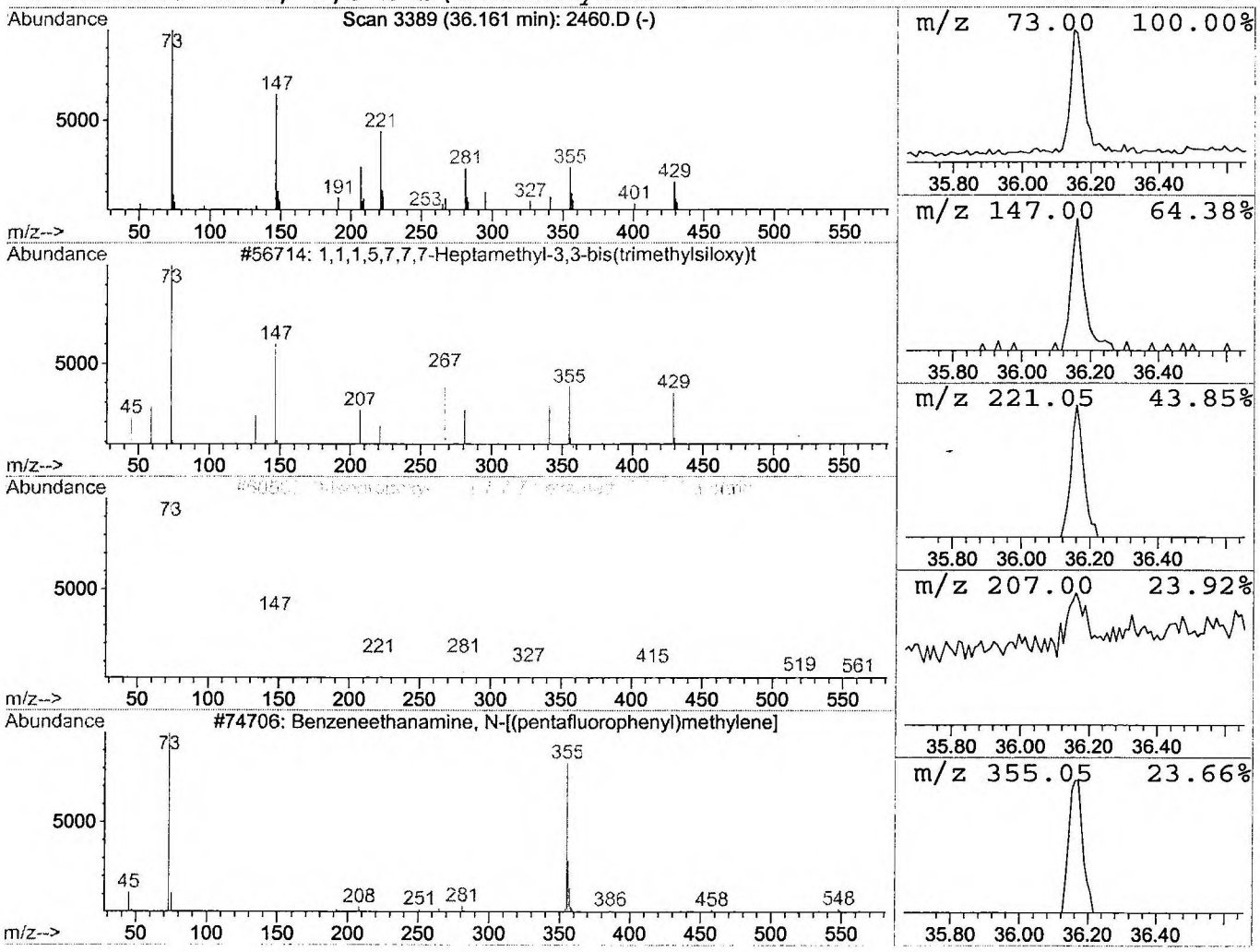
Peak Number 3 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.16	0.50 ug/l	53682	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	23
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	12
3	Benzeneethanamine, N-[(pentafluorop	563	C24H34F5NO3Si3	055429-13-5	9
4	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	9



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

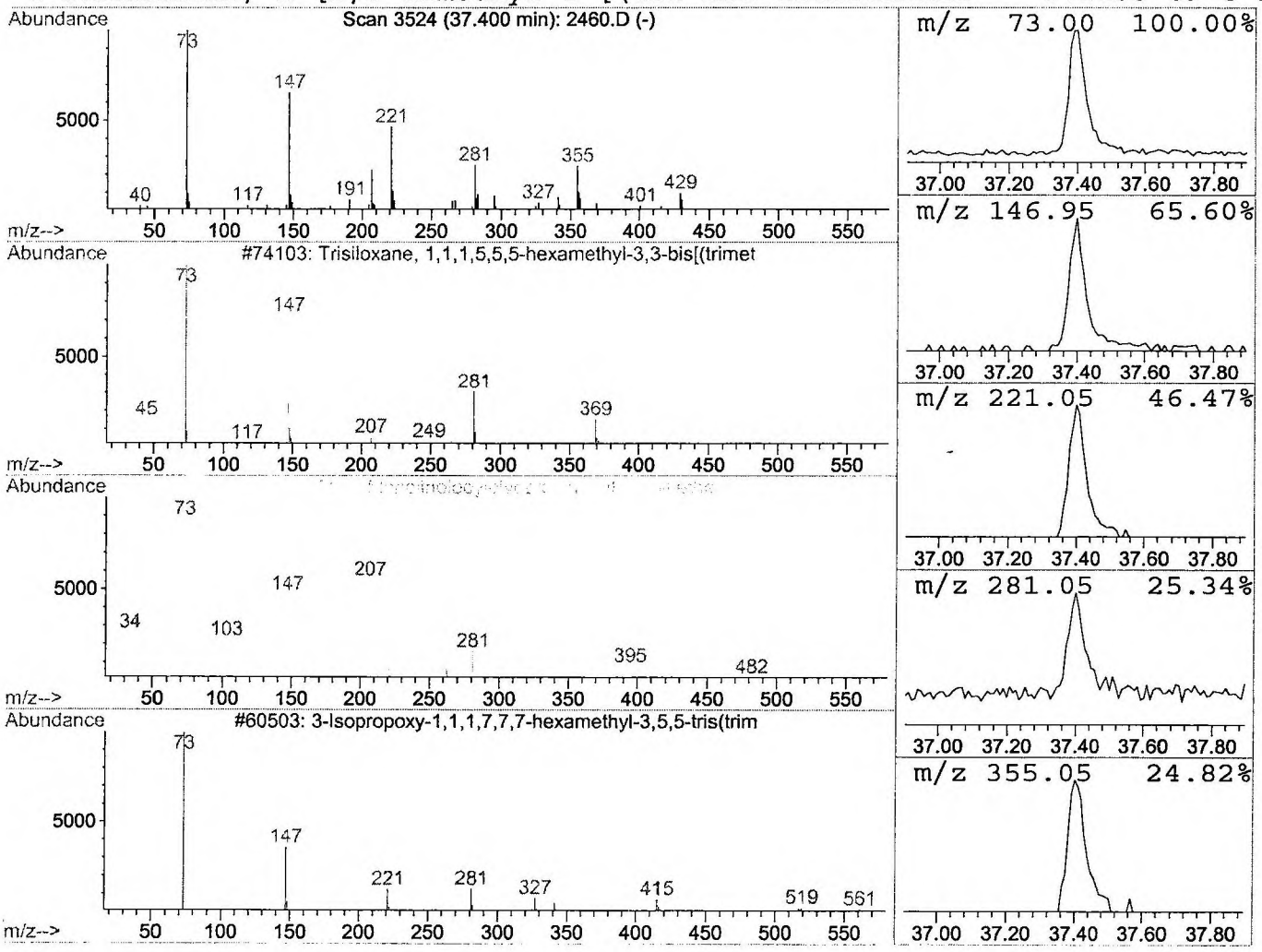
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.40	0.89 ug/l	95669	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	27
2	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	20
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	12
4	Silanamine, N-[2,6-dimethyl-4-[(tri	281	C14H27NOSi2	072088-09-6	10



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb 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

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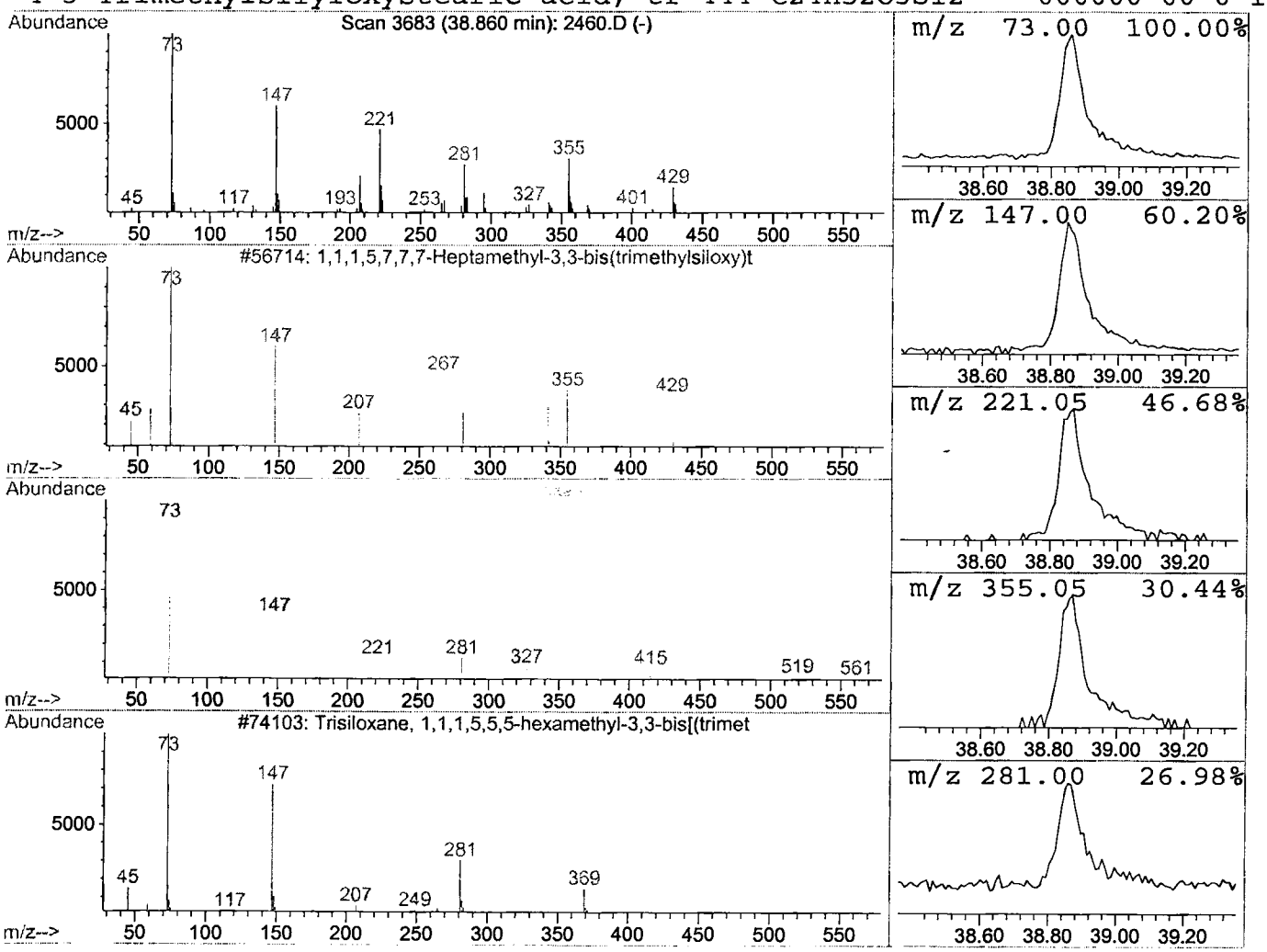
Peak Number 5 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.86	1.77 ug/l	190312	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	37
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	32
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12
4	3-Trimethylsilyloxystearic acid, tr	444	C24H52O3Si2	000000-00-0	10



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

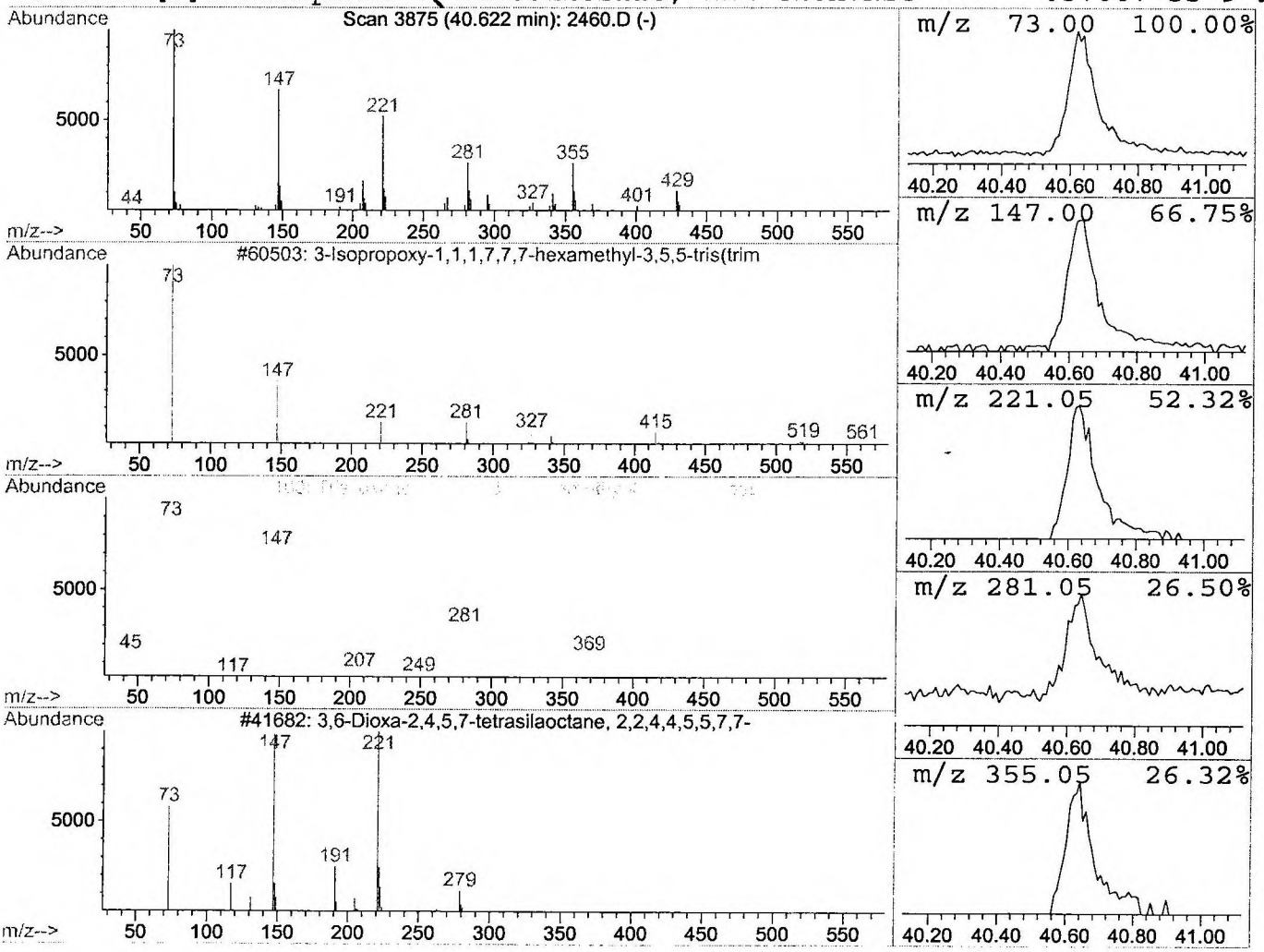
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.62	1.54 ug/l	165241	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	32
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	30
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	17
4	Benzo[b]selenophene-2-carbonitrile,	221	C10H7NSe	037007-55-9	9



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

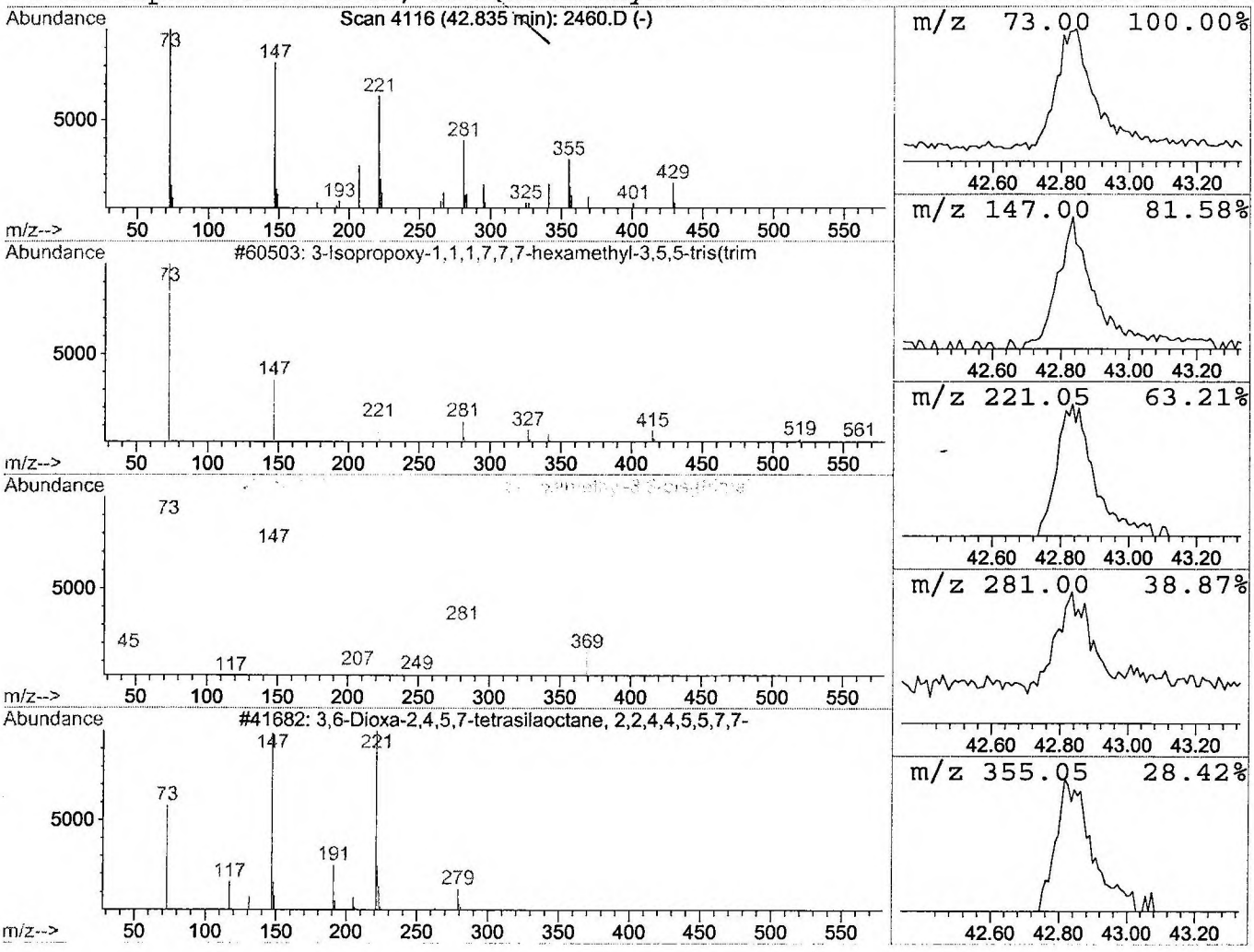
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.83	1.18 ug/l	126995	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	40
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	38
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	32
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	16



Data File : C:\HPCHEM\1\DATA\MAR1902\2460.D Vial: 19
Acq On : 20 Mar 2002 10:44 pm Operator:
Sample : gc/ms scan 3/4 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

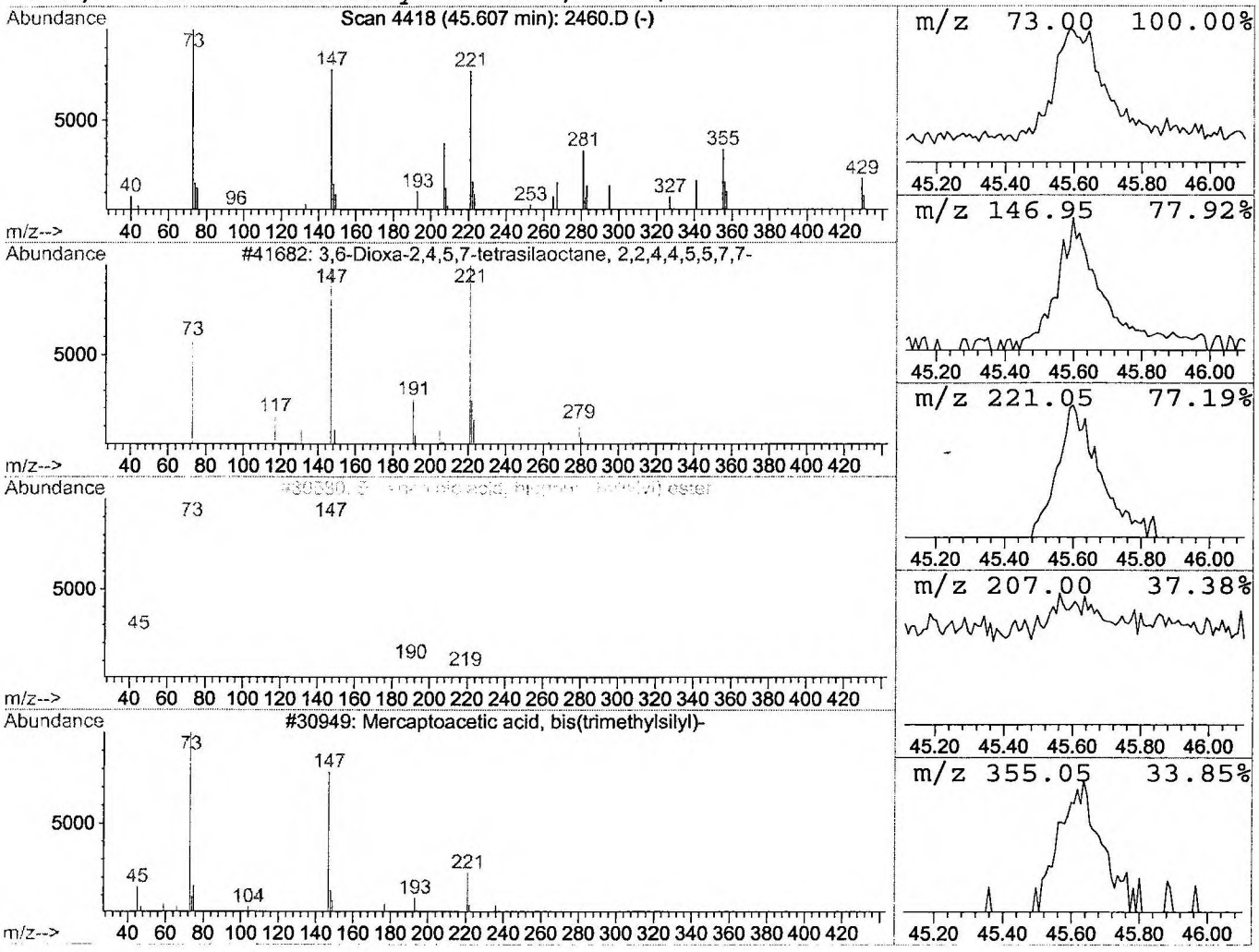
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
45.61	0.53 ug/l	56829	Perylene-d12	37.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	38
2	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	14
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	10



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 20 Mar 2002 10:44 pm
Data File: C:\HPCHEM\1\DATA\MAR1902\2460.D
Name: gc/ms scan 3/4 fb
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	0.5	ug/l	71457	ISTD01	12.26	3042120	20.0
Cyclopentasiloxane,	14.86	1.0	ug/l	206375	ISTD02	15.91	4061470	20.0
1,1,1,5,7,7,7-Heptam	36.16	0.5	ug/l	53682	ISTD06	37.97	2148830	20.0
Trisiloxane, 1,1,1,5	37.40	0.9	ug/l	95669	ISTD06	37.97	2148830	20.0
1,1,1,5,7,7,7-Heptam	38.86	1.8	ug/l	190312	ISTD06	37.97	2148830	20.0
3-Isopropoxy-1,1,1,7	40.62	1.5	ug/l	165241	ISTD06	37.97	2148830	20.0
3-Isopropoxy-1,1,1,7	42.83	1.2	ug/l	126995	ISTD06	37.97	2148830	20.0
3,6-Dioxa-2,4,5,7-te	45.61	0.5	ug/l	56829	ISTD06	37.97	2148830	20.0

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