User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/22/2002 Time: 14:50:01

Sample: AE08215
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/22/02 14:49 Ended: 4/22/02 14:49 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		77		10.0

Comments for Sample AE08215 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-22-2002 Time: 14:50:39

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:07 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	476618	20.00	ug/l	-0.03
10) Naphthalene-d8	15.84	136	1743454	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.15	164	977222	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.59	188	1438603	20.00	ug/l	-0.03
39) Chrysene-d12	33.64	240	924686	20.00	ug/l	-0.04
45) Perylene-d12	37.87	264	621612	20.00	ug/l	-0.05
System Monitoring Compounds						
28) TCMX	23.28	209	37912	7.74	ug/L	-0.05
Spiked Amount 10.000			Recovery = 77.40%			
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	15.90	128	352	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	21.40	165	171	N.D.		
25) Diethylphthalate	22.64	149	459	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)

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Acq On : 18 Apr 2002 8:37 am Operator:
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Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

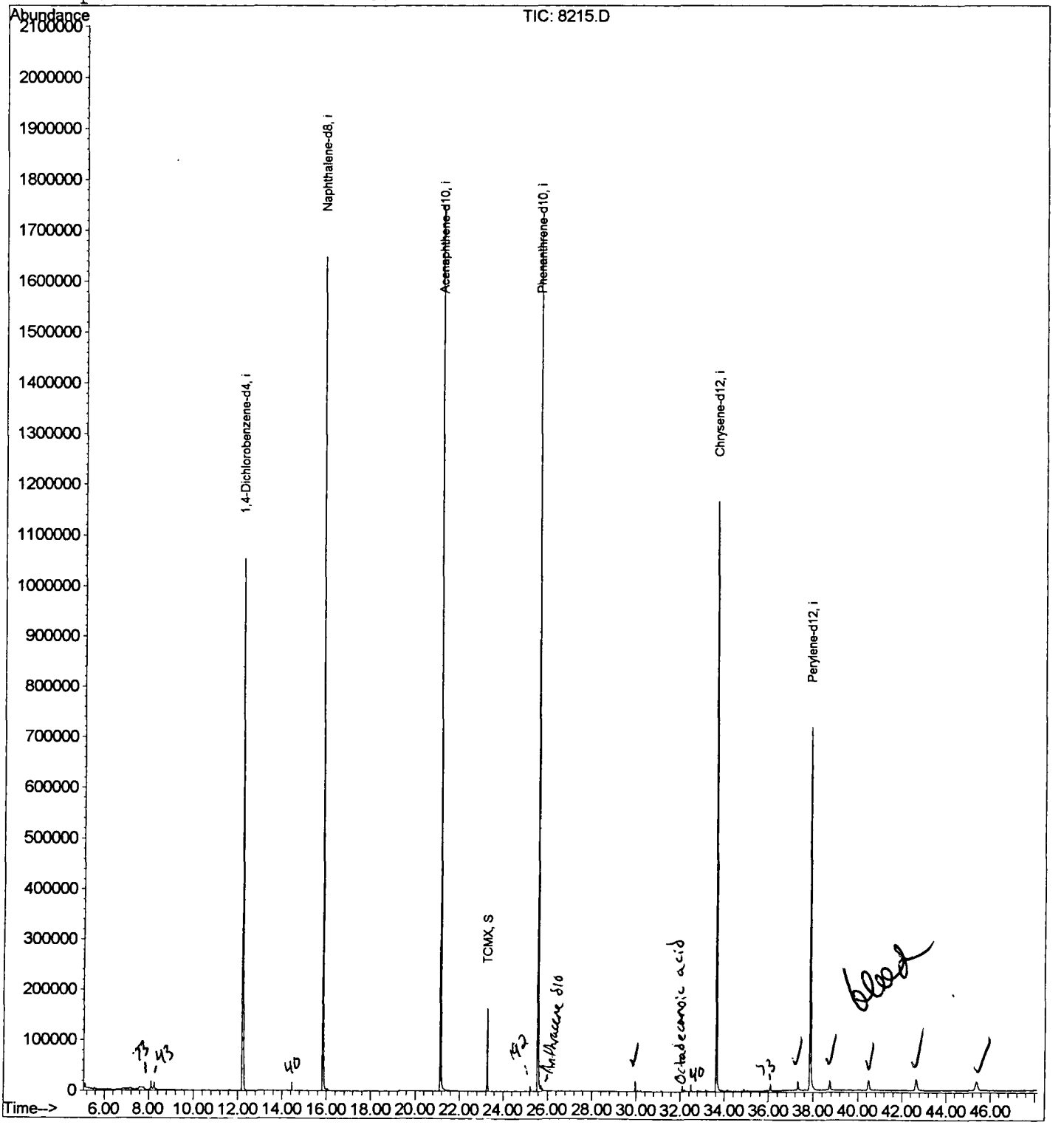
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.59	178	341	N.D.	
35)	Anthracene	25.59	178	341	N.D.	
36)	Di-n-butylphthalate	27.56	149	1014	N.D.	
37)	Fluoranthene	0.00	202	0	N.D.	
40)	Pyrene	0.00	202	0	N.D.	
41)	Butylbenzylphthalate	0.00	149	0	N.D.	
42)	Benzo(a)anthracene	33.65	228	2155	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.86	149	1104	N.D.	
44)	Chrysene	33.65	228	2155	N.D.	
46)	Di-n-Octylphthalate	35.60	149	232	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	37.87	252	2649	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\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:07 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 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

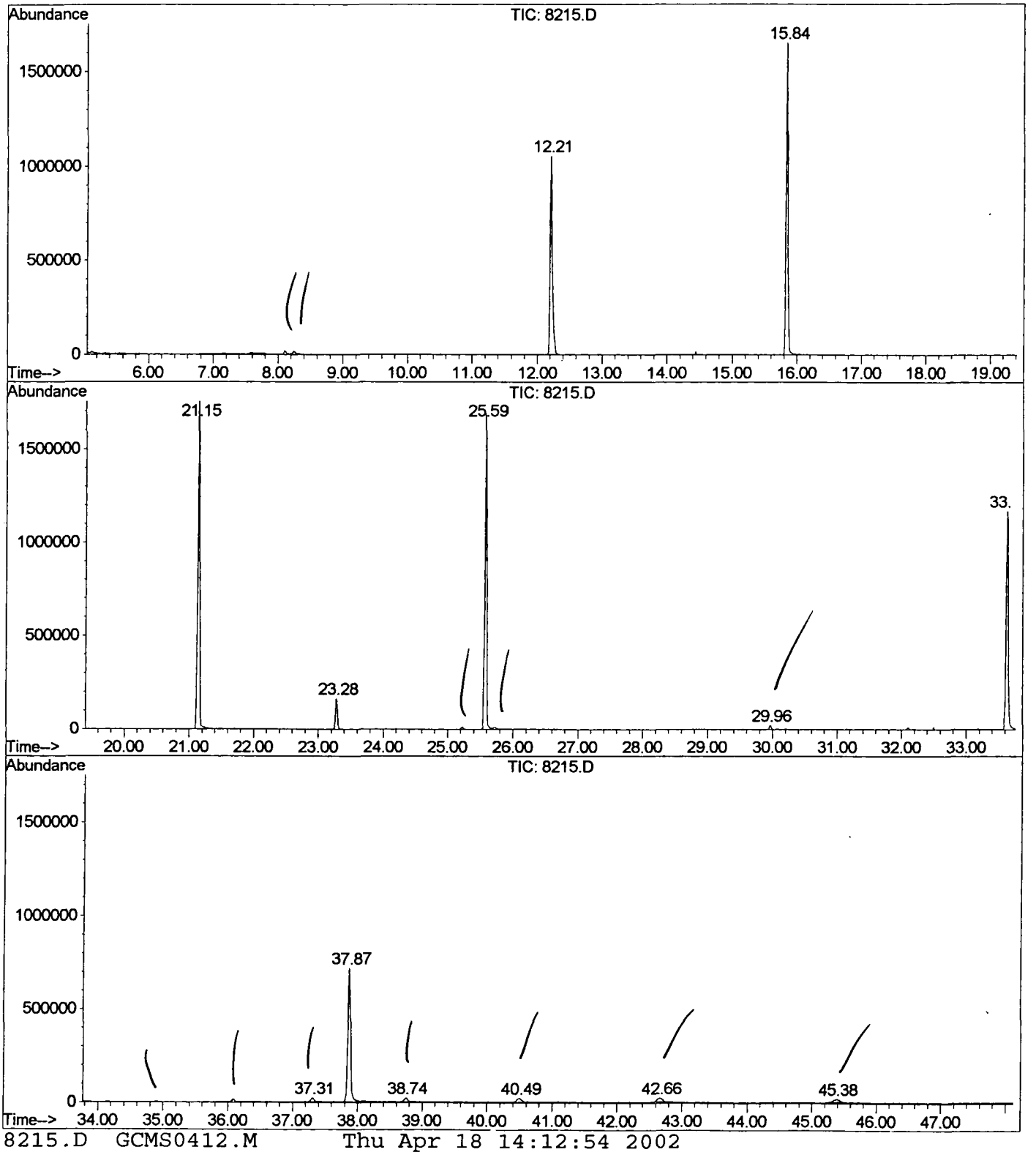
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.209	775	780	795	rBV	1053835	2539663	68.64%	13.600%
2	15.845	1170	1176	1193	rBV	1648652	3271793	88.43%	17.521%
3	21.151	1747	1754	1771	rBV	1751085	3700032	100.00%	19.814%
4	23.281	1978	1986	1992	rBV2	163509	334710	9.05%	1.792%
5	25.585	2230	2237	2249	rBV2	1688450	3595527	97.18%	19.255%
6	29.964	2710	2714	2722	rVB	21041	38112	1.03%	0.204%
7	33.636	3108	3114	3129	rBV2	1166954	2653893	71.73%	14.212%
8	37.308	3508	3514	3520	rBV2	18337	53740	1.45%	0.288%
9	37.868	3566	3575	3593	rBV2	717353	2098957	56.73%	11.240%
10	38.741	3664	3670	3681	rVB3	18551	64882	1.75%	0.347%
11	40.494	3850	3861	3868	rBV4	19921	92953	2.51%	0.498%
12	42.661	4087	4097	4113	rVB5	21220	120487	3.26%	0.645%
13	45.378	4382	4393	4408	rVB4	16107	108935	2.94%	0.583%

Sum of corrected areas: 18673684

8215.D GCMS0412.M Thu Apr 18 14:12:54 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1702\8215.D
Operator :
Acquired : 18 Apr 2002 8:37 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 4/8
Misc Info :
Vial Number: 26
Quant File :GCMS0412.RES (RTE Integrator)



8215.D GCMS0412.M Thu Apr 18 14:12:54 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

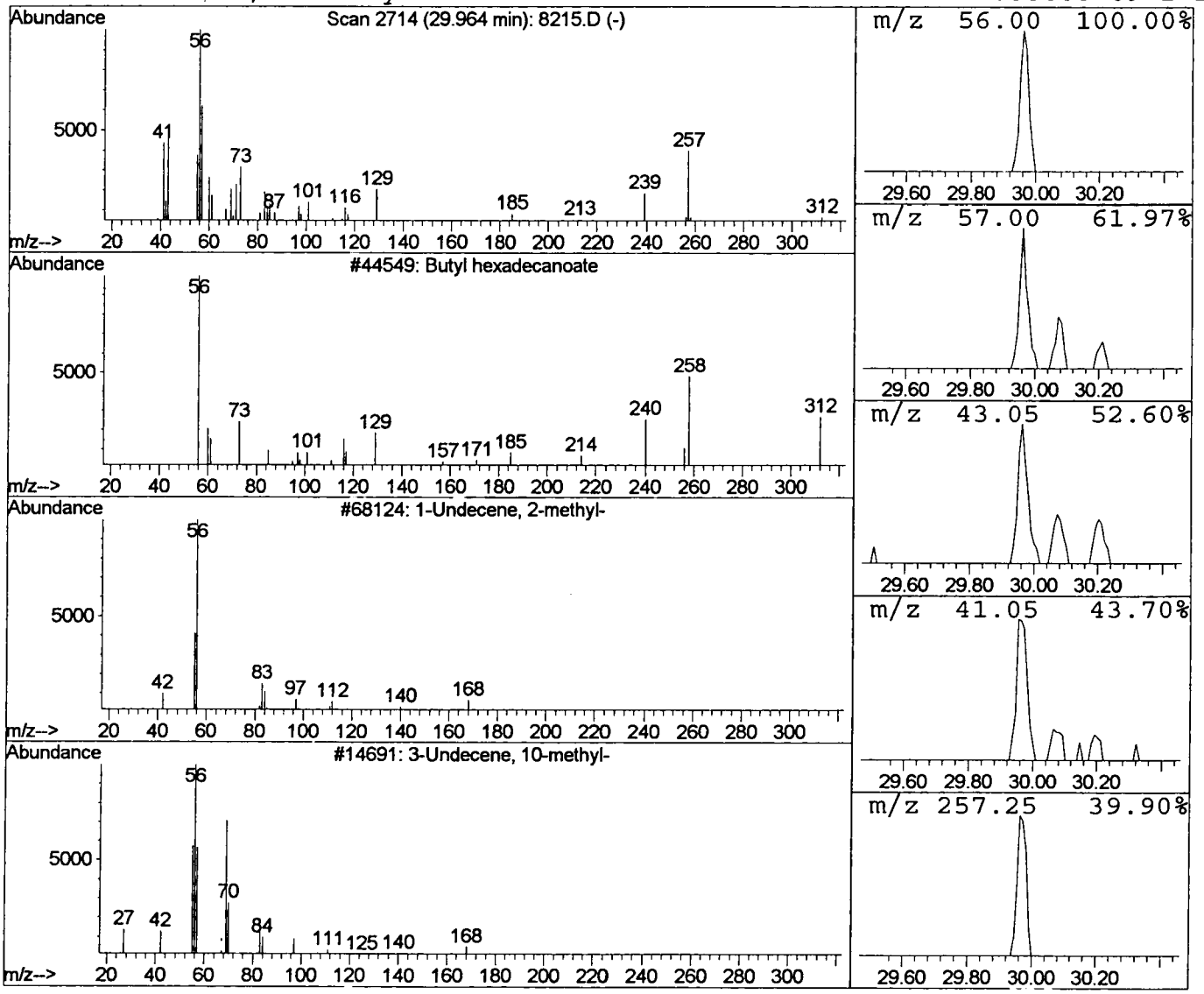
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyl hexadecanoate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.96	0.29 ug/l	38112	Chrysene-d12	33.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	52
2	1-Undecene, 2-methyl-	168	C12H24	018516-37-5	22
3	3-Undecene, 10-methyl-	168	C12H24	000000-00-0	22
4	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

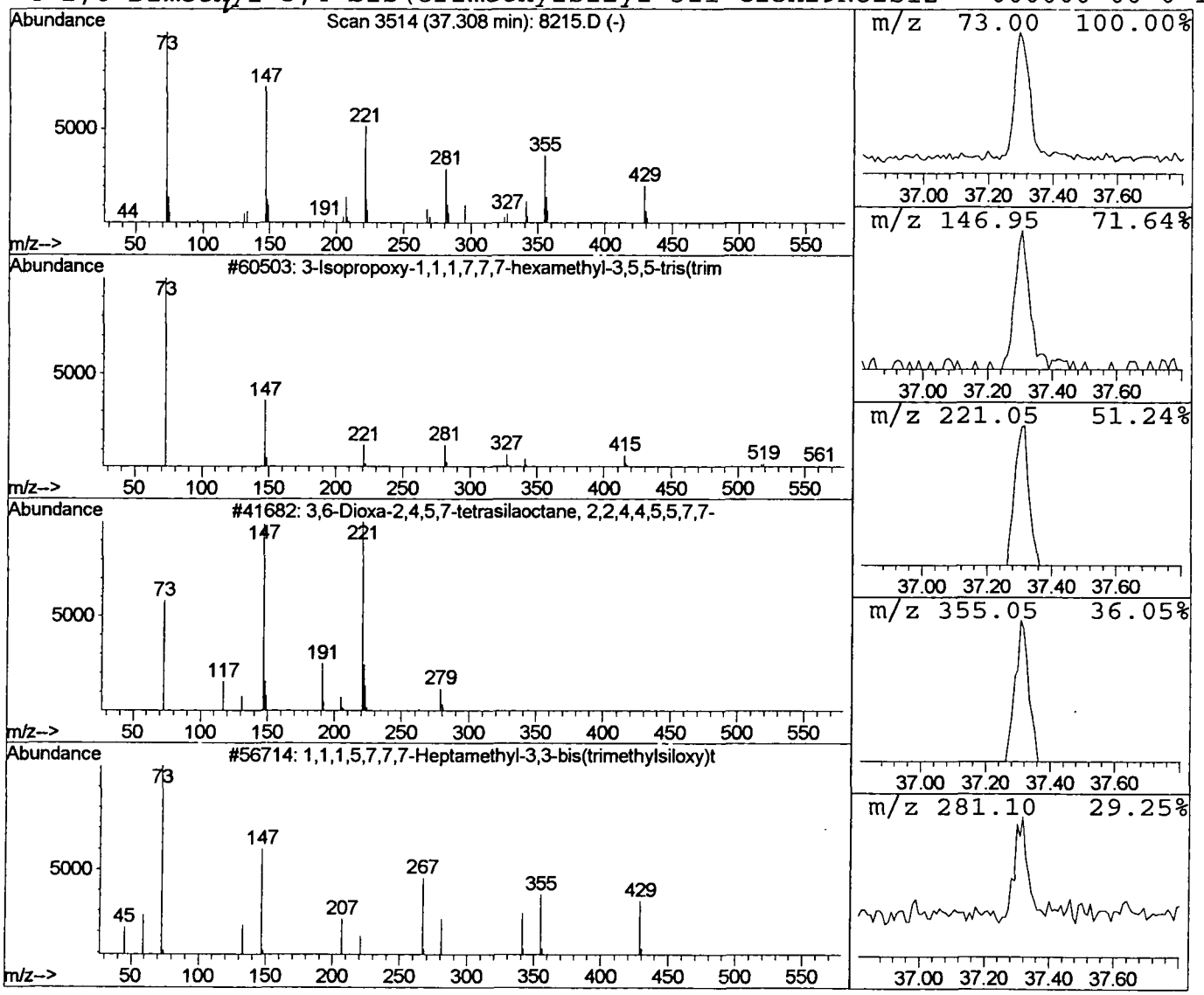
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.31	0.51 ug/l	53740	Perylene-d12	37.87

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	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	16
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	14



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

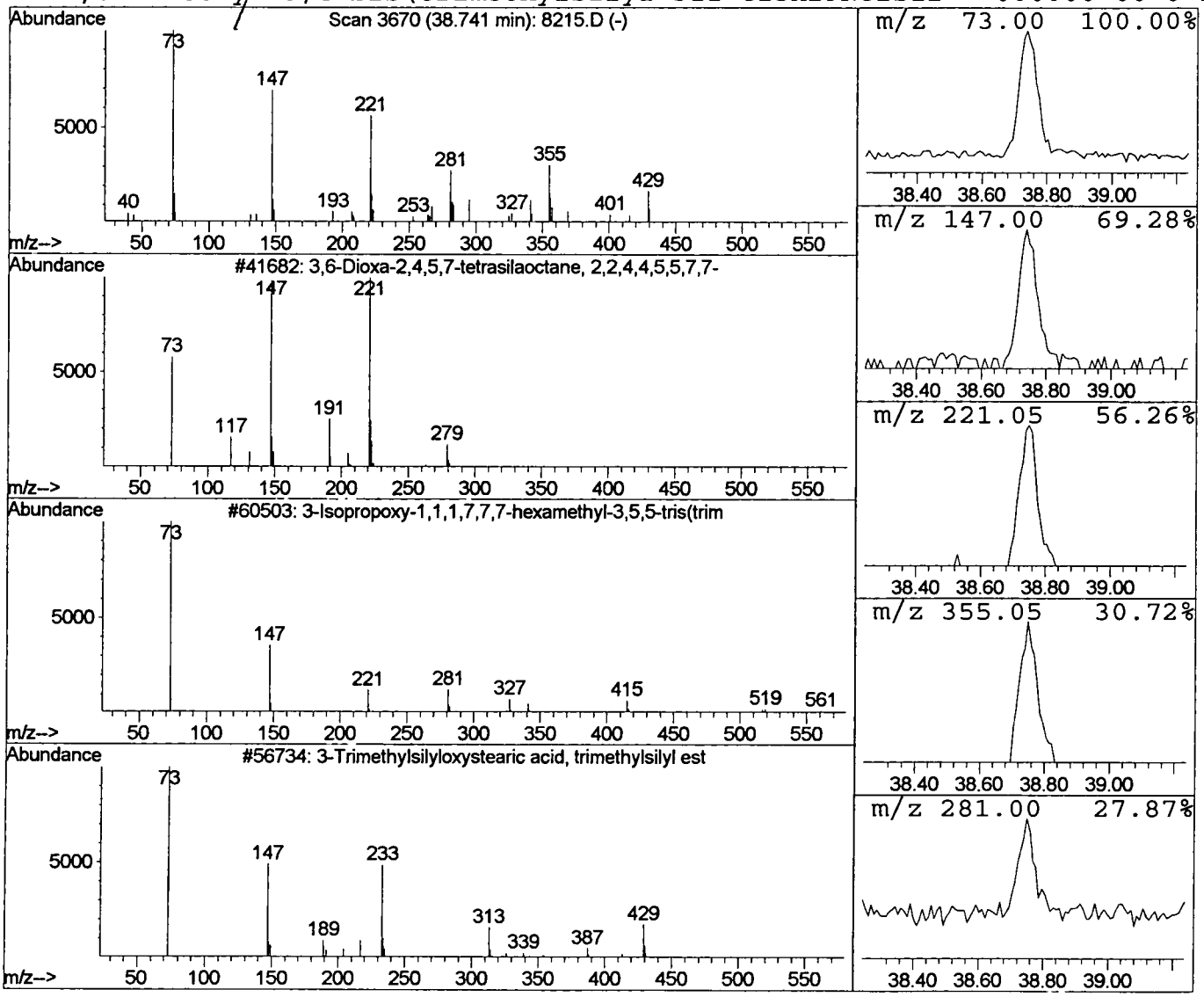
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.74	0.62 ug/l	64882	Perylene-d12	37.87

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	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	25
3	3-Trimethylsilyloxystearic acid, tr	444	C24H52O3Si2	000000-00-0	14
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

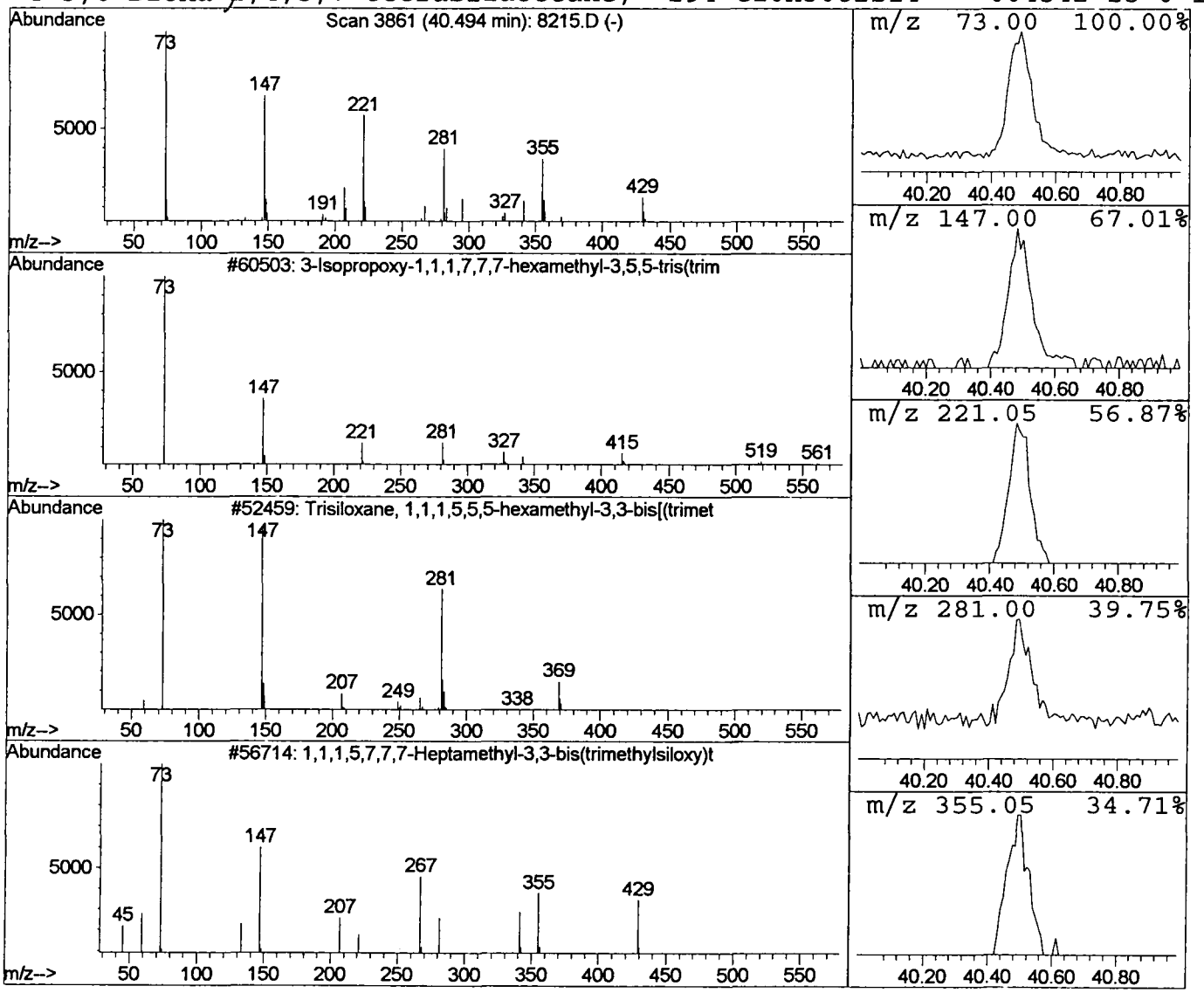
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.49	0.89 ug/l	92953	Perylene-d12	37.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	17
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	12
4	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

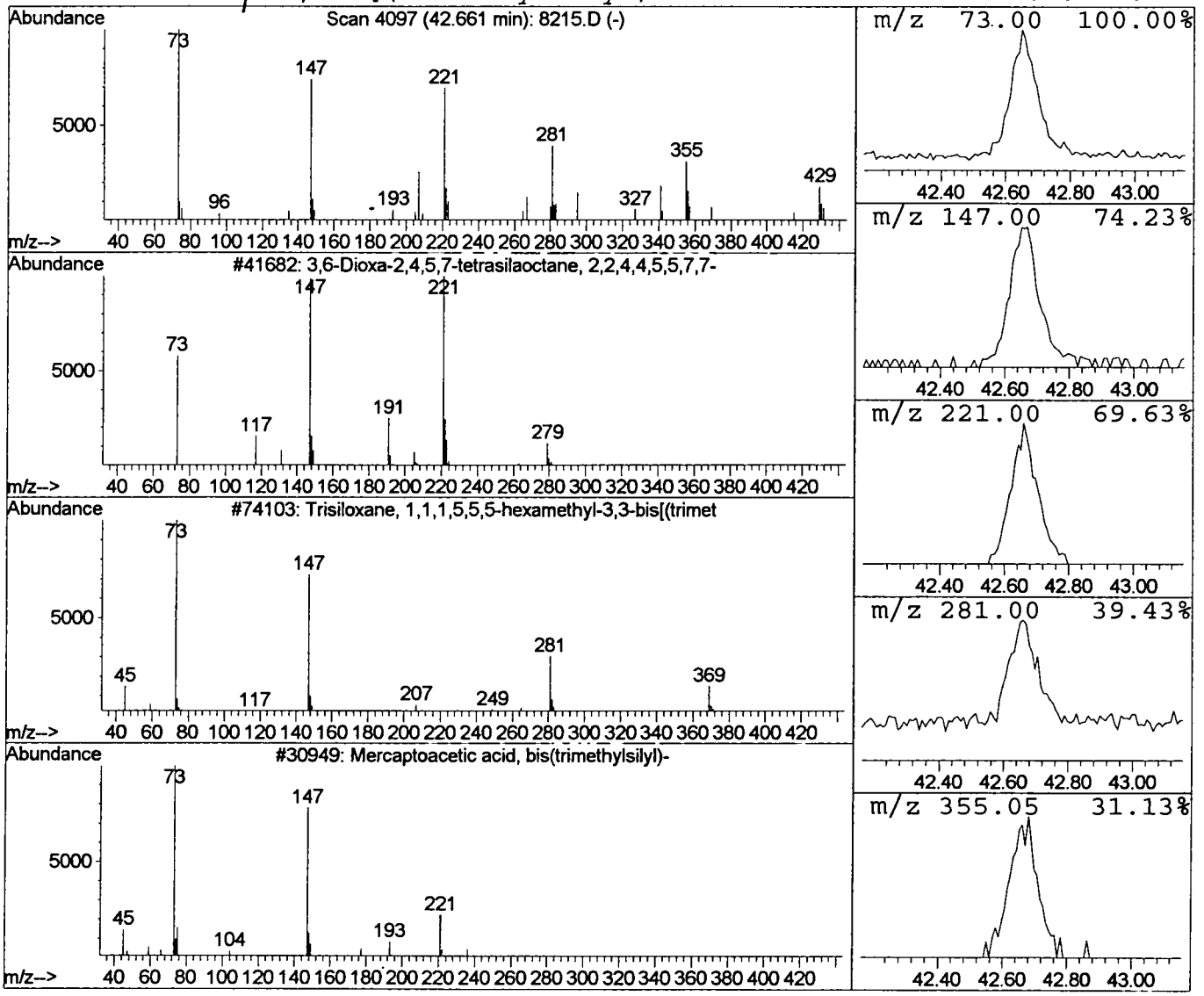
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.66	1.15 ug/l	120487	Perylene-d12	37.87

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	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	38
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8215.D Vial: 26
Acq On : 18 Apr 2002 8:37 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

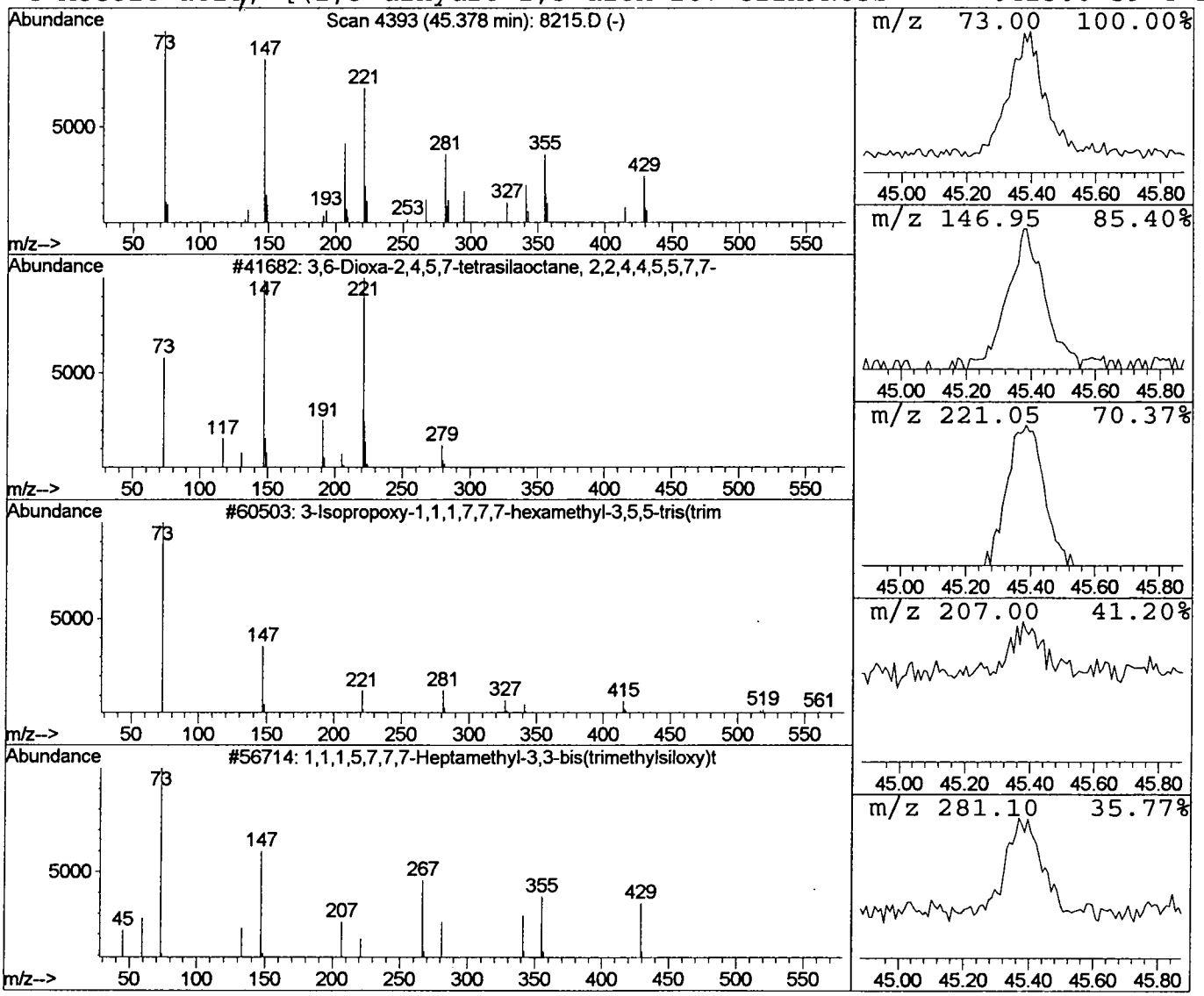
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
45.38	1.04 ug/l	108935	Perylene-d12	37.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	32
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	23
4	Acetic acid, [(1,3-dihydro-1,3-diox	267	C11H9NO5S	042300-59-4	14



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 18 Apr 2002 8:37 am
Data File: C:\HPCHEM\1\DATA\APR1702\8215.D
Name: gc/ms scan 4/8
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
Butyl hexadecanoate	29.96	0.3	ug/l	38112	ISTD05	33.64	2653890	20.0
3-Isopropoxy-1,1,1,7	37.31	0.5	ug/l	53740	ISTD06	37.87	2098960	20.0
3,6-Dioxa-2,4,5,7-te	38.74	0.6	ug/l	64882	ISTD06	37.87	2098960	20.0
3-Isopropoxy-1,1,1,7	40.49	0.9	ug/l	92953	ISTD06	37.87	2098960	20.0
3,6-Dioxa-2,4,5,7-te	42.66	1.1	ug/l	120487	ISTD06	37.87	2098960	20.0
3,6-Dioxa-2,4,5,7-te	45.38	1.0	ug/l	108935	ISTD06	37.87	2098960	20.0

8215.D GCMS0412.M Thu Apr 18 14:13:01 2002