User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/22/2002 Time: 12:08:33

Sample: AE08210
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/22/02 12:08 Ended: 4/22/02 12:08 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		73		10.0

Comments for Sample AE08210 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-22-2002 Time: 12:09:25

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\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:03 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	462169	20.00	ug/l	-0.03
10) Naphthalene-d8	15.84	136	1675706	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.15	164	911652	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.58	188	1323397	20.00	ug/l	-0.03
39) Chrysene-d12	33.64	240	825597	20.00	ug/l	-0.03
45) Perylene-d12	37.87	264	530380	20.00	ug/l	-0.05
System Monitoring Compounds						
28) TCMX	23.29	209	33526	7.34	ug/L	-0.04
Spiked Amount 10.000			Recovery = 73.40%			
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	100	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	22.62	149	214	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 3:45 am Operator:
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Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

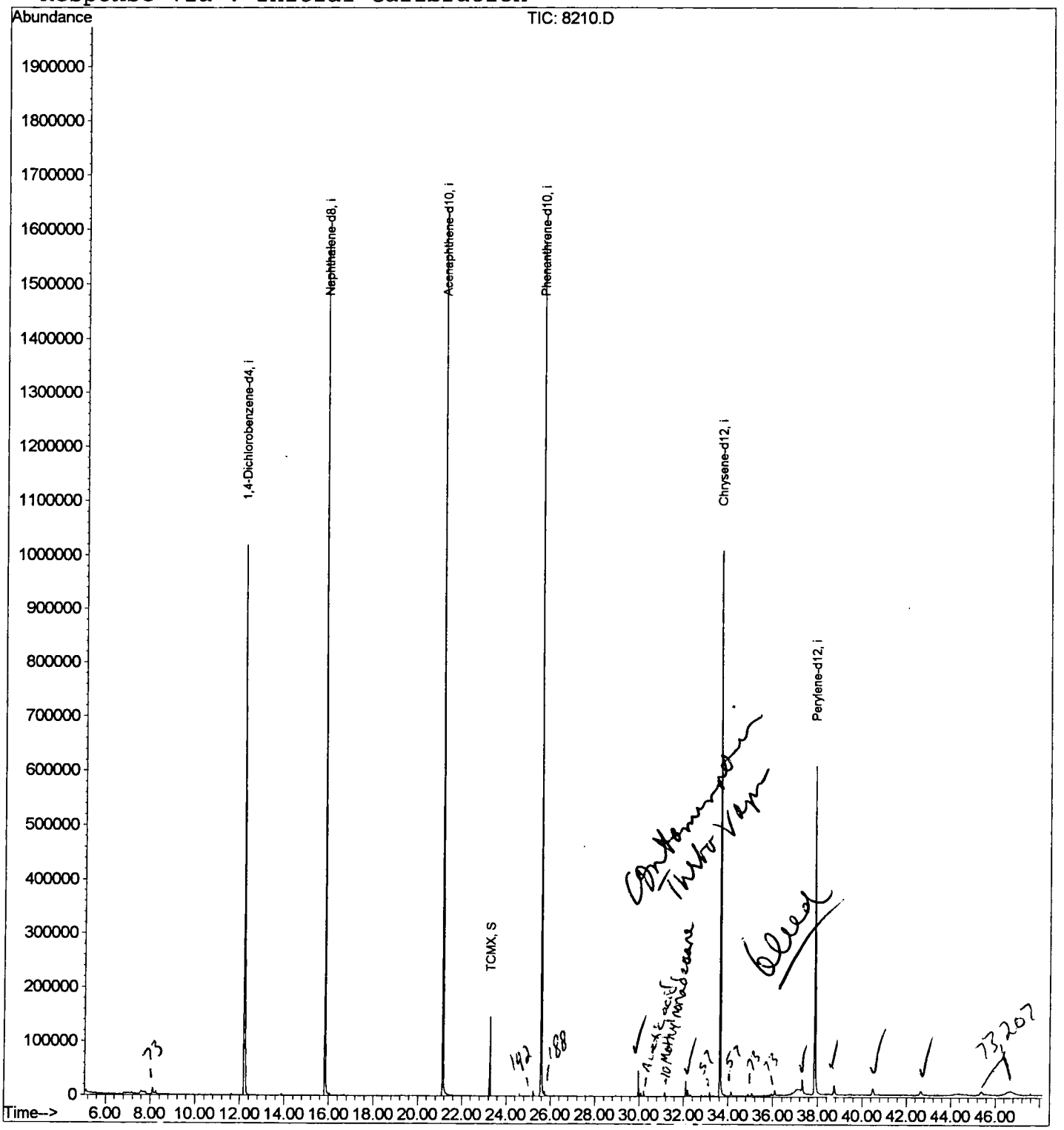
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Hexachlorobenzene	0.00	284	0	N.D.	
34) Phenanthrene	25.59	178	416	N.D.	
35) Anthracene	25.59	178	416	N.D.	
36) Di-n-butylphthalate	27.56	149	1491	N.D.	
37) Fluoranthene	0.00	202	0	N.D.	
40) Pyrene	0.00	202	0	N.D.	
41) Butylbenzylphthalate	0.00	149	0	N.D.	
42) Benzo(a)anthracene	33.64	228	2138	N.D.	
43) Bis(2-ethylhexyl)phthalate	33.86	149	1323	N.D.	
44) Chrysene	33.64	228	2789	N.D.	
46) Di-n-Octylphthalate	35.59	149	285	N.D.	
47) Benzo(b)fluoranthene	36.69	252	561	N.D.	
48) Benzo(k)fluoranthene	36.75	252	517	N.D.	
49) Benzo(a)pyrene	37.88	252	2114	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	43.18	276	362	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 14:03 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\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 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

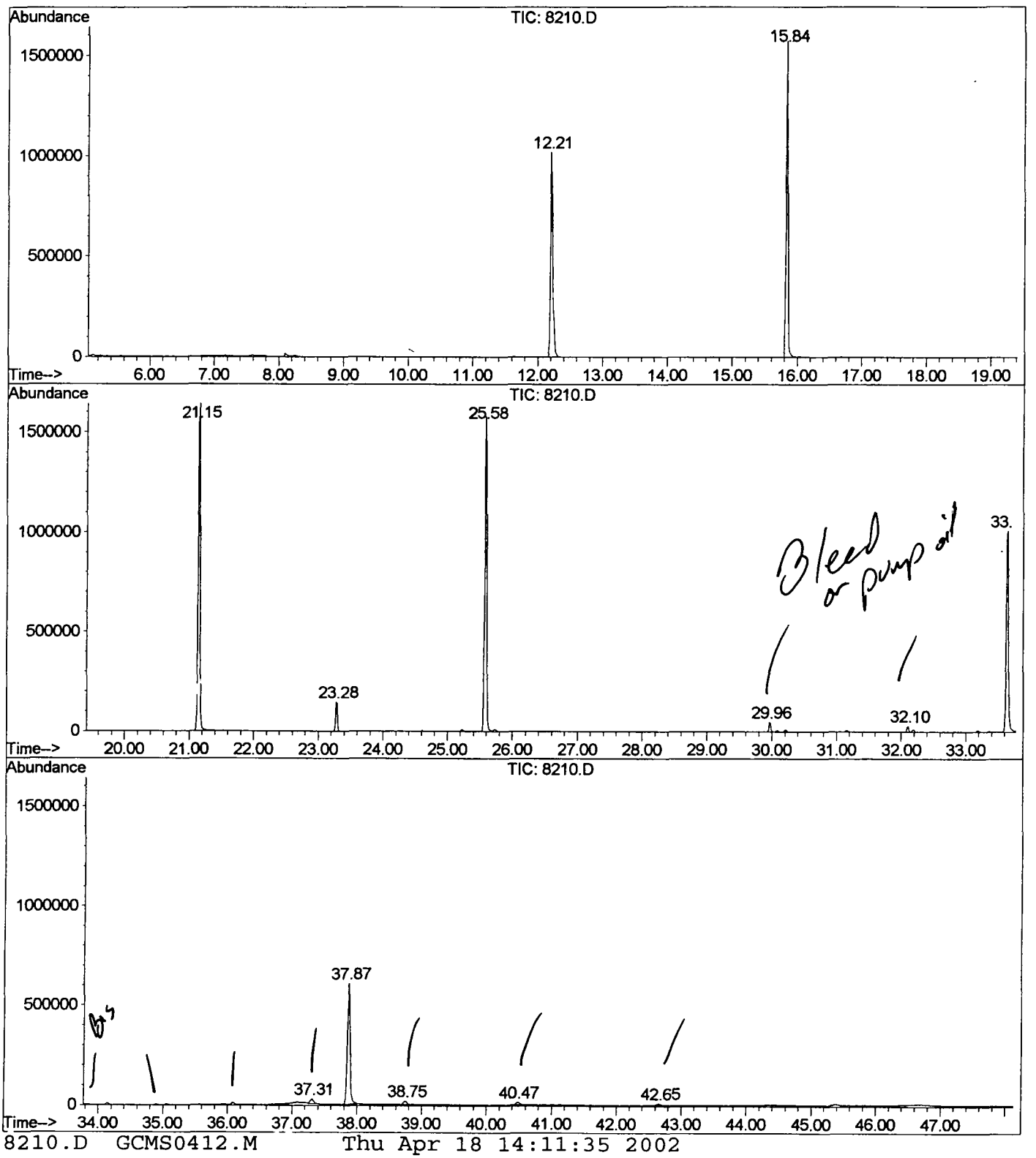
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.209	775	780	794	rBV	1017947	2476939	71.52%	14.406%
2	15.844	1170	1176	1193	rBV	1571911	3139315	90.64%	18.259%
3	21.150	1747	1754	1774	rBV	1642986	3463345	100.00%	20.144%
4	23.280	1977	1986	1992	rBV	146816	290996	8.40%	1.692%
5	25.584	2231	2237	2250	rBV2	1578804	3302877	95.37%	19.210%
6	29.963	2710	2714	2721	rBV	48080	88822	2.56%	0.517%
7	32.102	2942	2947	2951	rBV	28425	52107	1.50%	0.303%
8	33.645	3107	3115	3129	rBV2	1009774	2350885	67.88%	13.673%
9	37.308	3508	3514	3523	rVB3	25153	86069	2.49%	0.501%
10	37.868	3567	3575	3590	rBV2	606343	1787093	51.60%	10.394%
11	38.749	3662	3671	3679	rBV3	17268	65481	1.89%	0.381%
12	40.475	3853	3859	3870	rBV6	11896	52910	1.53%	0.308%
13	42.651	4088	4096	4104	rBV4	7336	36492	1.05%	0.212%

Sum of corrected areas: 17193331

8210.D GCMS0412.M Thu Apr 18 14:11:35 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1702\8210.D
Operator :
Acquired : 18 Apr 2002 3:45 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 4/8
Misc Info :
Vial Number: 21
Quant File :GCMS0412.RES (RTE Integrator)



8210.D GCMS0412.M Thu Apr 18 14:11:35 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

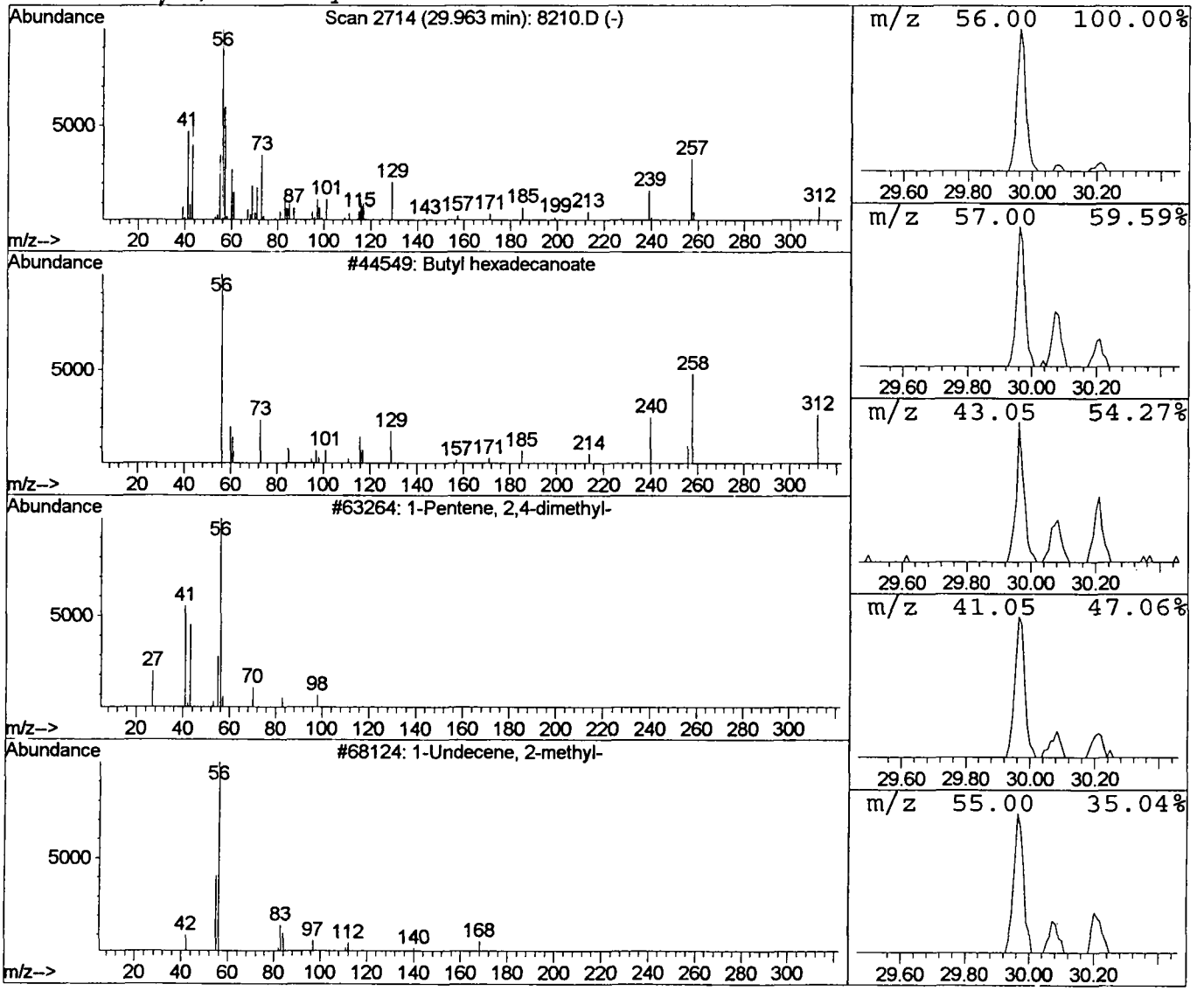
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyl hexadecanoate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.96	0.76 ug/l	88822	Chrysene-d12	33.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	64
2	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	27
3	1-Undecene, 2-methyl-	168	C12H24	018516-37-5	27
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

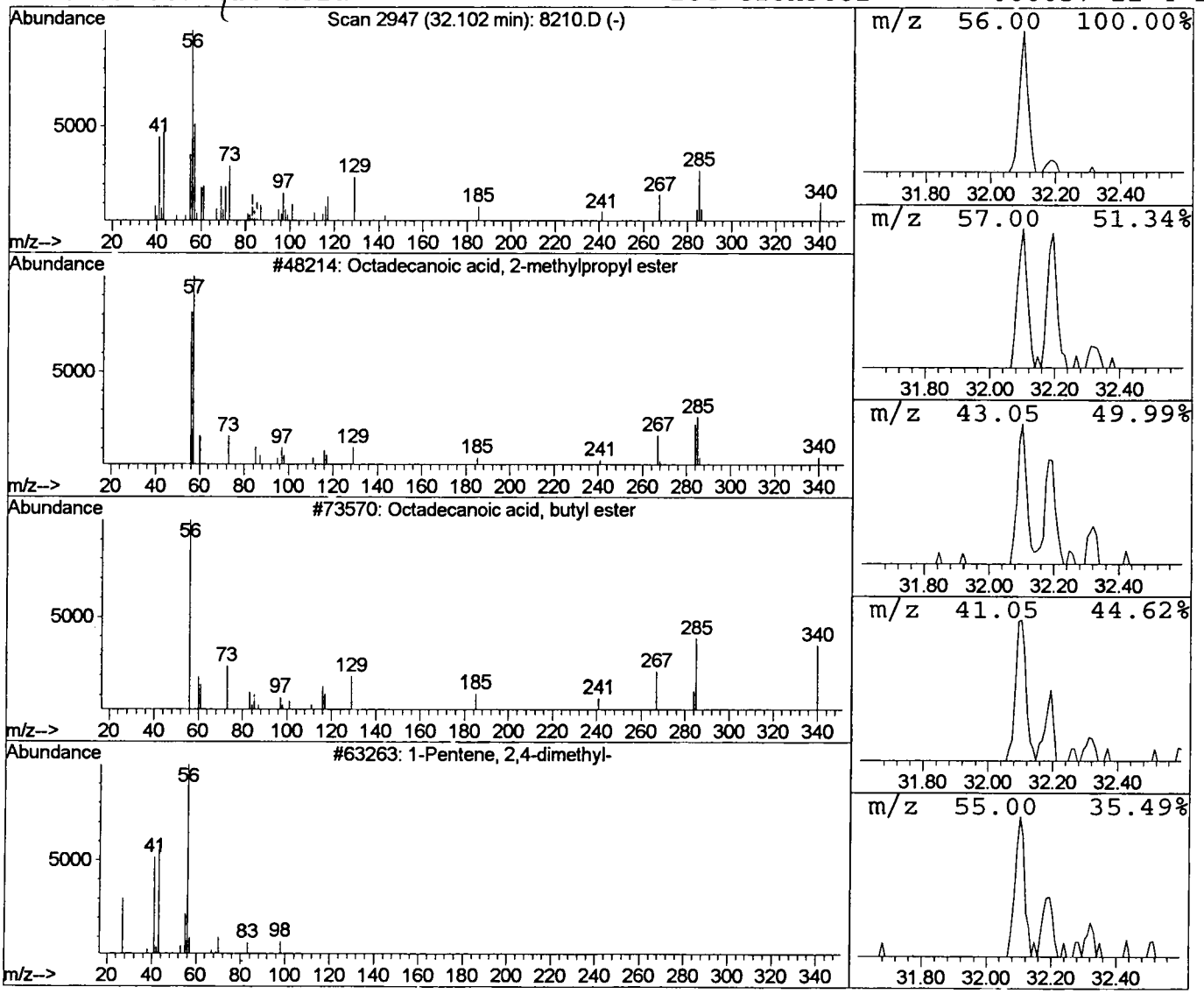
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Octadecanoic acid, 2-methylpro Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.10	0.44 ug/l	52107	Chrysene-d12	33.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	70
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	37
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	27
4	Octadecanoic acid	284	C18H36O2	000057-11-4	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

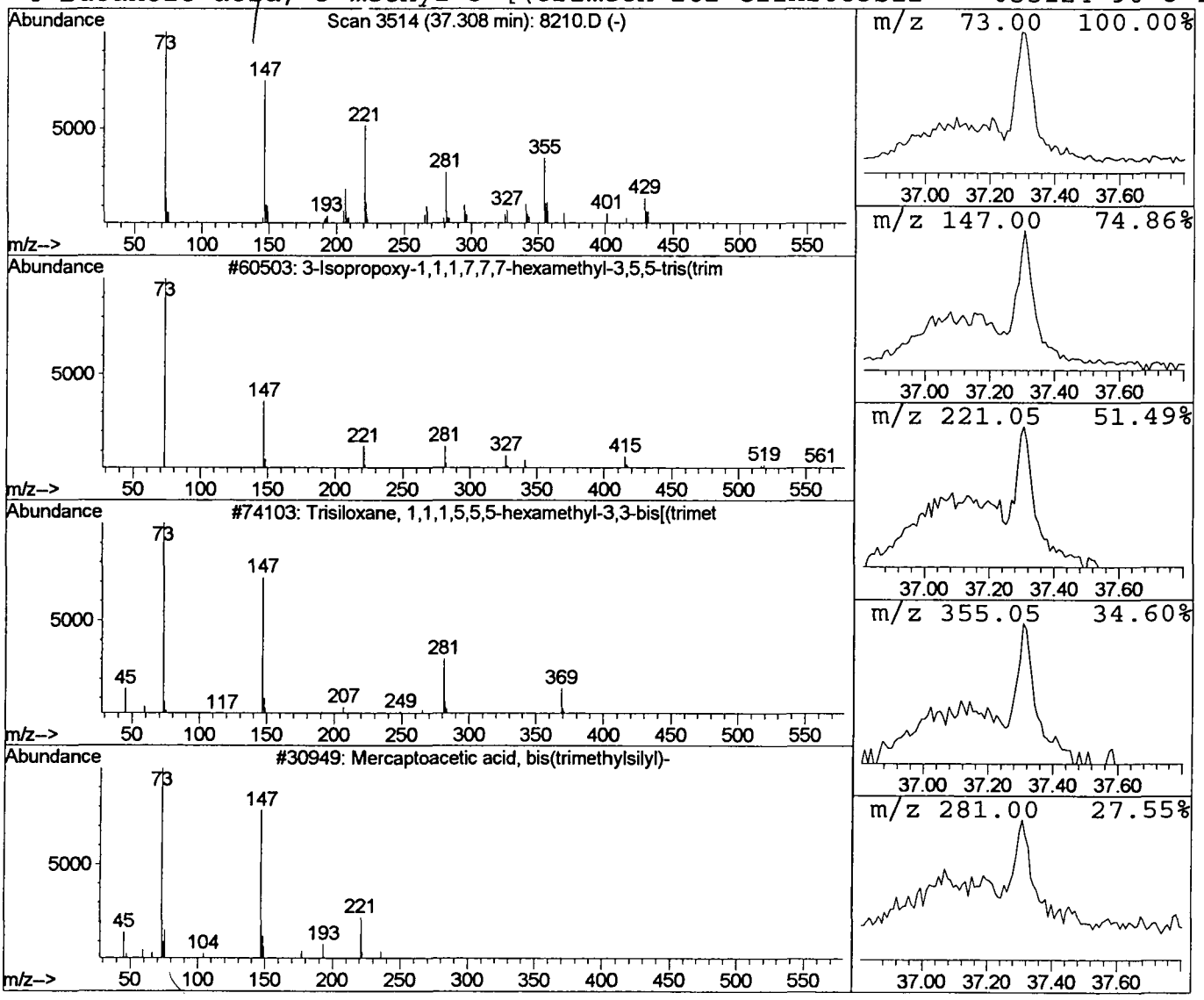
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.31	0.96 ug/l	86069	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	38
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	32
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17
4	Butanoic acid, 3-methyl-3-[(trimeth	262	C11H26O3Si2	055124-90-8	16



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

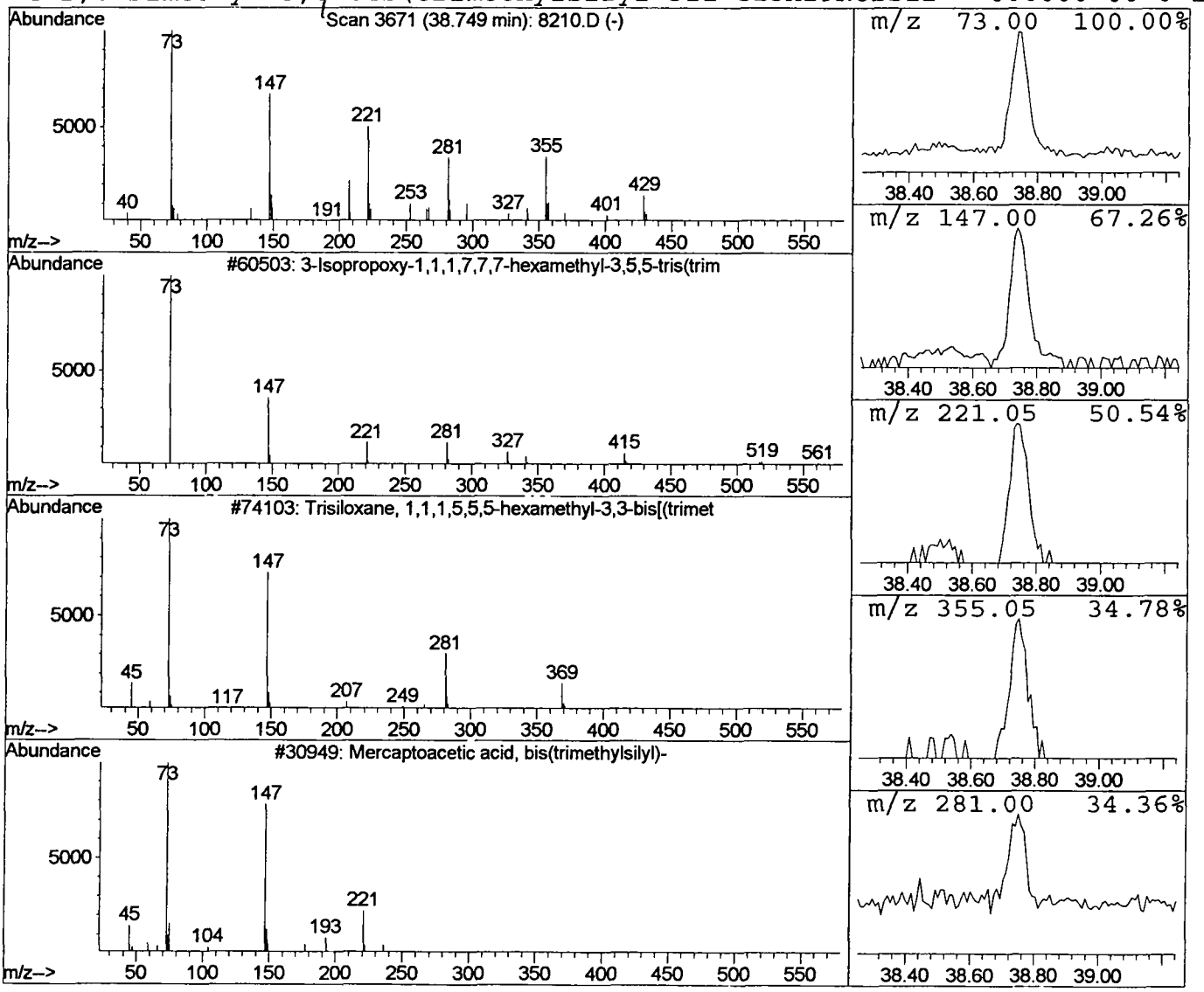
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.75	0.73 ug/l	65481	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	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	10
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\8210.D Vial: 21
Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

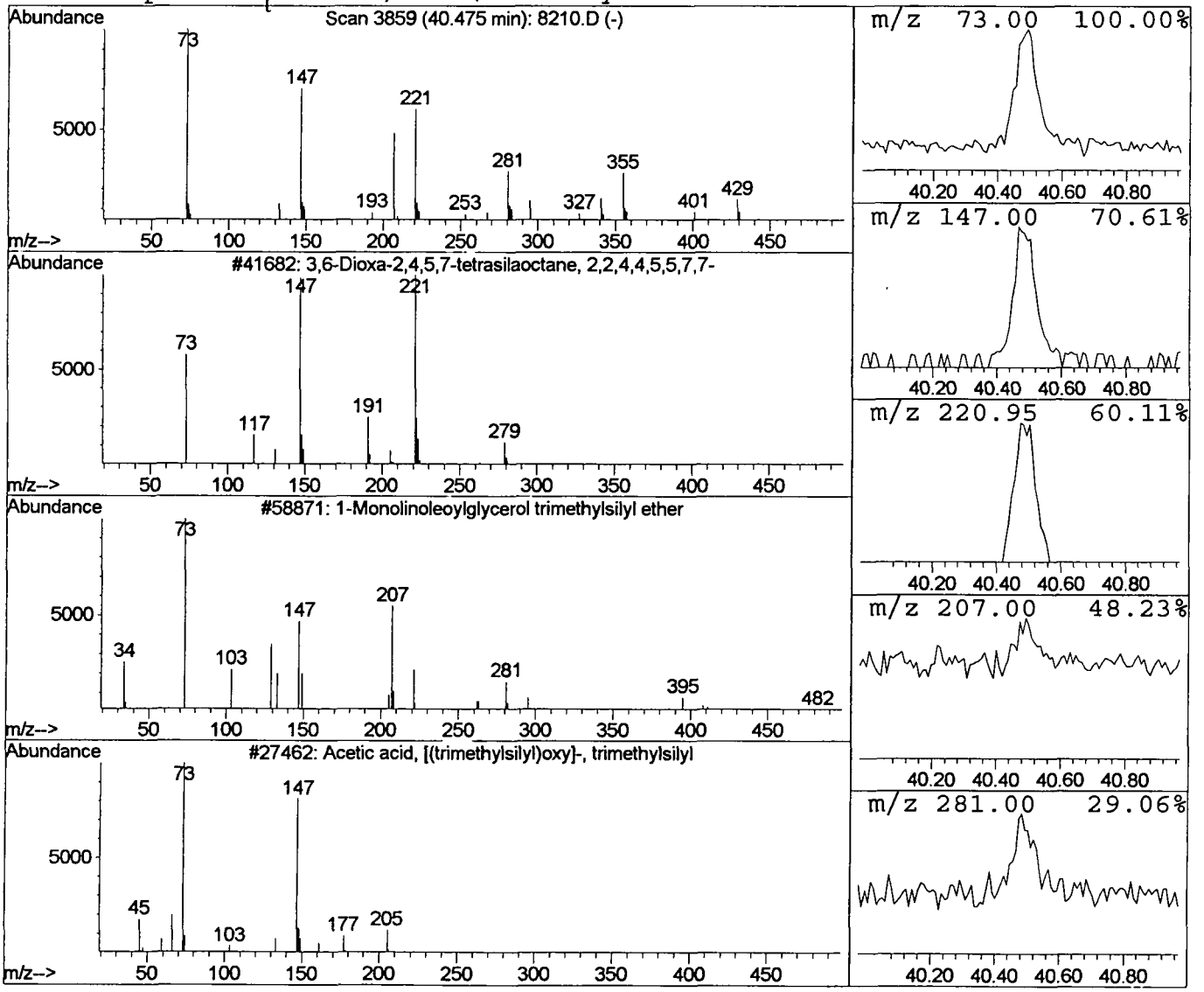
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.47	0.59 ug/l	52910	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	27
2	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	12
3	Acetic acid, [(trimethylsilyl)oxy]-	220	C8H20O3Si2	033581-77-0	10
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	10



Library Search Compound Report

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Acq On : 18 Apr 2002 3:45 am Operator:
Sample : gc/ms scan 4/8 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

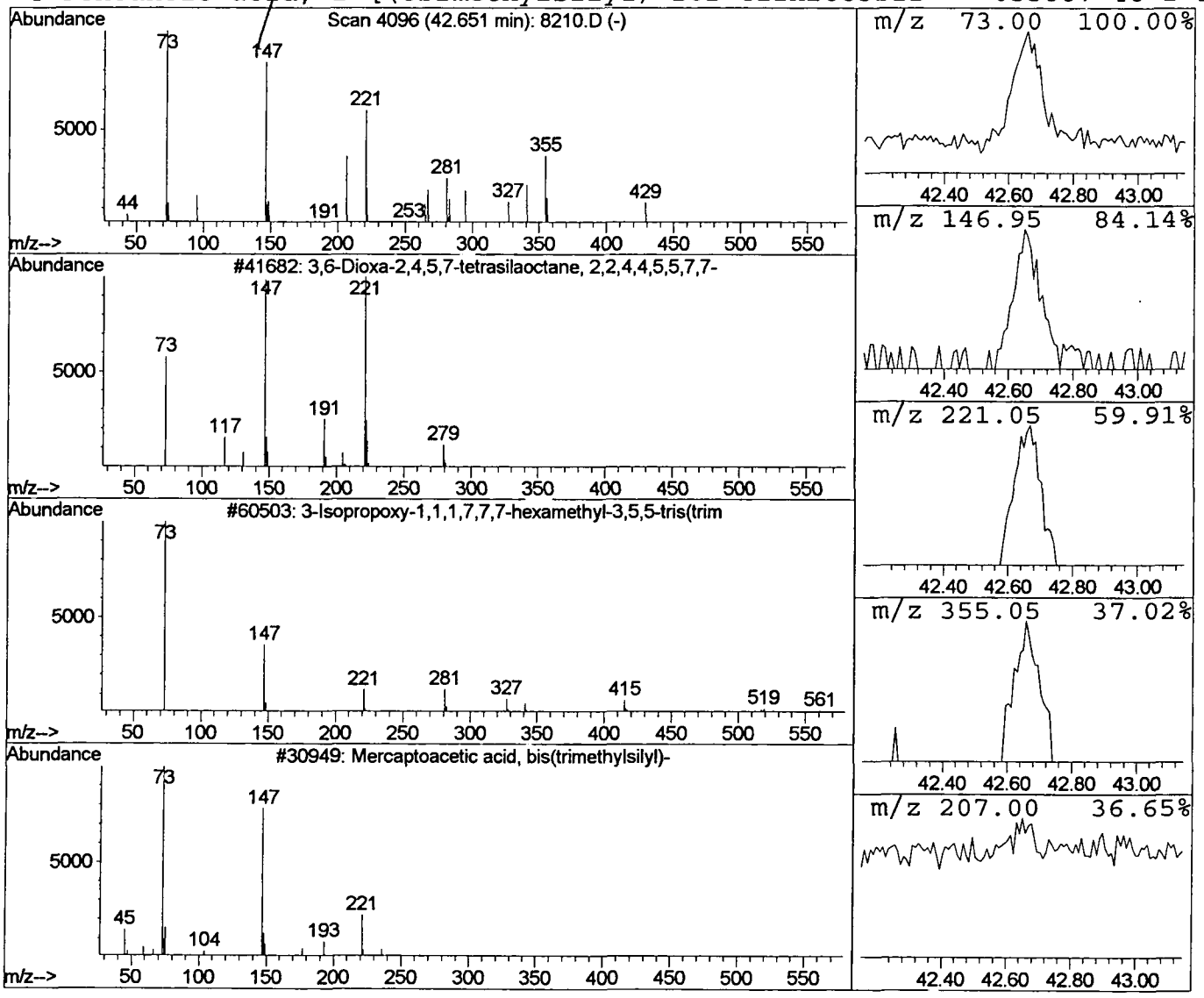
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.65	0.41 ug/l	36492	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	25
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	25
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	10



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 18 Apr 2002 3:45 am
Data File: C:\HPCHEM\1\DATA\APR1702\8210.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	0.8	ug/l	88822	ISTD05	33.64	2350890	20.0
Octadecanoic acid, 2	32.10	0.4	ug/l	52107	ISTD05	33.64	2350890	20.0
3-Isopropoxy-1,1,1,7	37.31	1.0	ug/l	86069	ISTD06	37.87	1787090	20.0
3-Isopropoxy-1,1,1,7	38.75	0.7	ug/l	65481	ISTD06	37.87	1787090	20.0
3,6-Dioxa-2,4,5,7-te	40.47	0.6	ug/l	52910	ISTD06	37.87	1787090	20.0
3,6-Dioxa-2,4,5,7-te	42.65	0.4	ug/l	36492	ISTD06	37.87	1787090	20.0

8210.D GCMS0412.M Thu Apr 18 14:11:42 2002