User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/06/2002 Time: 16:14:13

Sample: AE01802
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/6/02 16:13 Ended: 3/6/02 16:13 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		114		5.0

51550/07556
con 1/23/2
by Gerstik
Auto. MS

Comments for Sample AE01802 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-06-2002 Time: 16:15:27

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for an unidentified hydrocarbon at 33.4 minutes, and with an estimated level of 0.60 ug/L. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 11:40 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.32	152	244990	20.00	ug/l	-0.03
10) Naphthalene-d8	15.95	136	941638	20.00	ug/l	-0.04
17) Acenaphthene-d10	21.27	164	488799	20.00	ug/l	-0.04
29) Phenanthrene-d10	25.71	188	679424	20.00	ug/l	-0.05
38) Chrysene-d12	33.78	240	436460	20.00	ug/l	-0.06
44) Perylene-d12	38.05	264	305804	20.00	ug/l	-0.07
System Monitoring Compounds						
37) 2,4-DDD	30.79	235	40516	5.71	ug/mL	0.29
Spiked Amount 5.000			Recovery = 114.20%			
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	16.01	128	212	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	0.00	149	0	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\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 11:40 2002 Quant Results File: GCMS0208.RES

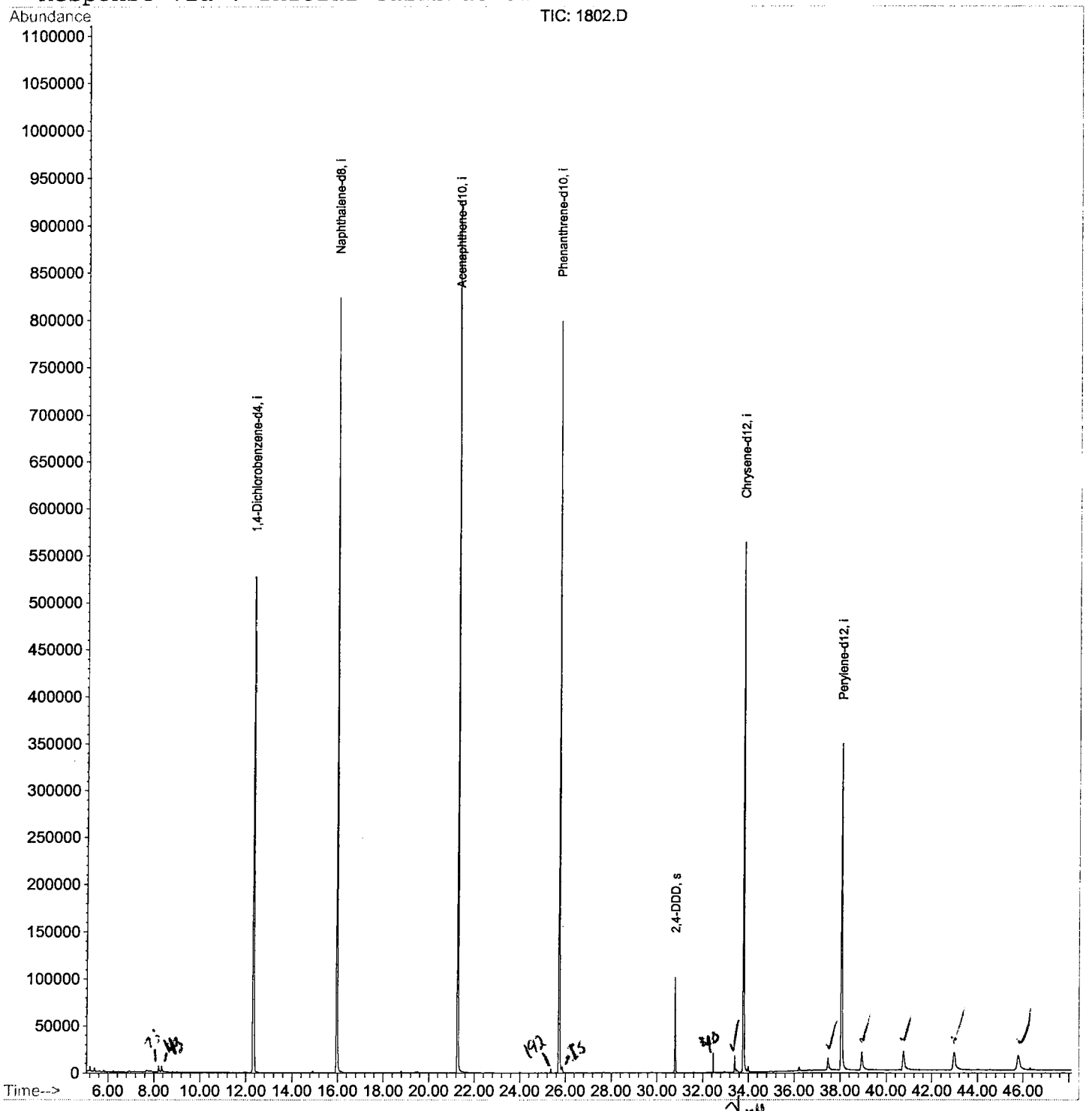
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

	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	0.00	178	0	N.D.	
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	27.68	149	2194	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	33.78	228	1309	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.99	149	4682	N.D.	
43)	Chrysene	33.86	228	433	N.D.	
45)	Di-n-Octylphthalate	35.73	149	336	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	36.91	252	105	N.D.	
48)	Benzo(a)pyrene	38.06	252	1213	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

Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 11:40 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

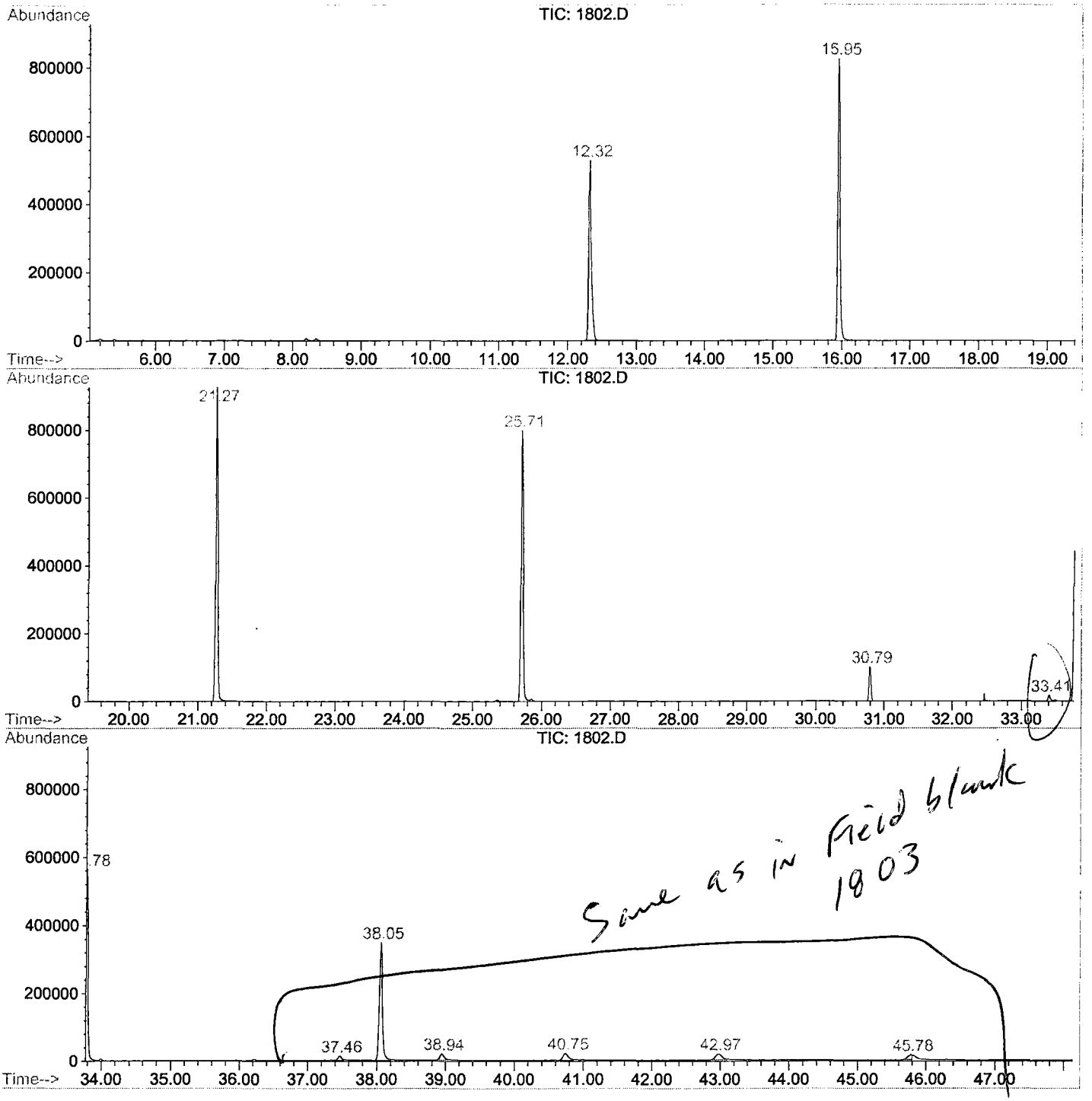
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.320	787	793	806	rBV	526382	1374730	70.83%	13.783%
2	15.955	1183	1189	1203	rBV	823233	1832654	94.43%	18.374%
3	21.270	1762	1768	1784	rBV	925795	1940778	100.00%	19.458%
4	25.714	2246	2252	2265	rBV2	798380	1785508	92.00%	17.901%
5	30.790	2801	2805	2812	rVB	101373	202832	10.45%	2.034%
6	33.407	3085	3090	3096	rBV2	17394	39363	2.03%	0.395%
7	33.783	3124	3131	3150	rBV	563518	1315774	67.80%	13.191%
8	37.464	3525	3532	3539	rBV2	12735	45940	2.37%	0.461%
9	38.052	3588	3596	3612	rBV2	346685	1065073	54.88%	10.678%
10	38.942	3686	3693	3703	rBV2	18122	75837	3.91%	0.760%
11	40.751	3878	3890	3901	rBV4	20675	115921	5.97%	1.162%
12	42.973	4121	4132	4148	rBV3	17562	118006	6.08%	1.183%
13	45.782	4426	4438	4440	rBV3	14748	62010	3.20%	0.622%

Sum of corrected areas: 9974426

1802.D GCMS0208.M Thu Feb 28 11:52:04 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2502\1802.D
Operator :
Acquired : 26 Feb 2002 4:31 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 1/25
Misc Info :
Vial Number: 28
Quant File :GCMS0208.RES (RTE Integrator)



Same as in field blank 1803

1802.D GCMS0208.M Thu Feb 28 11:52:10 2002

Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

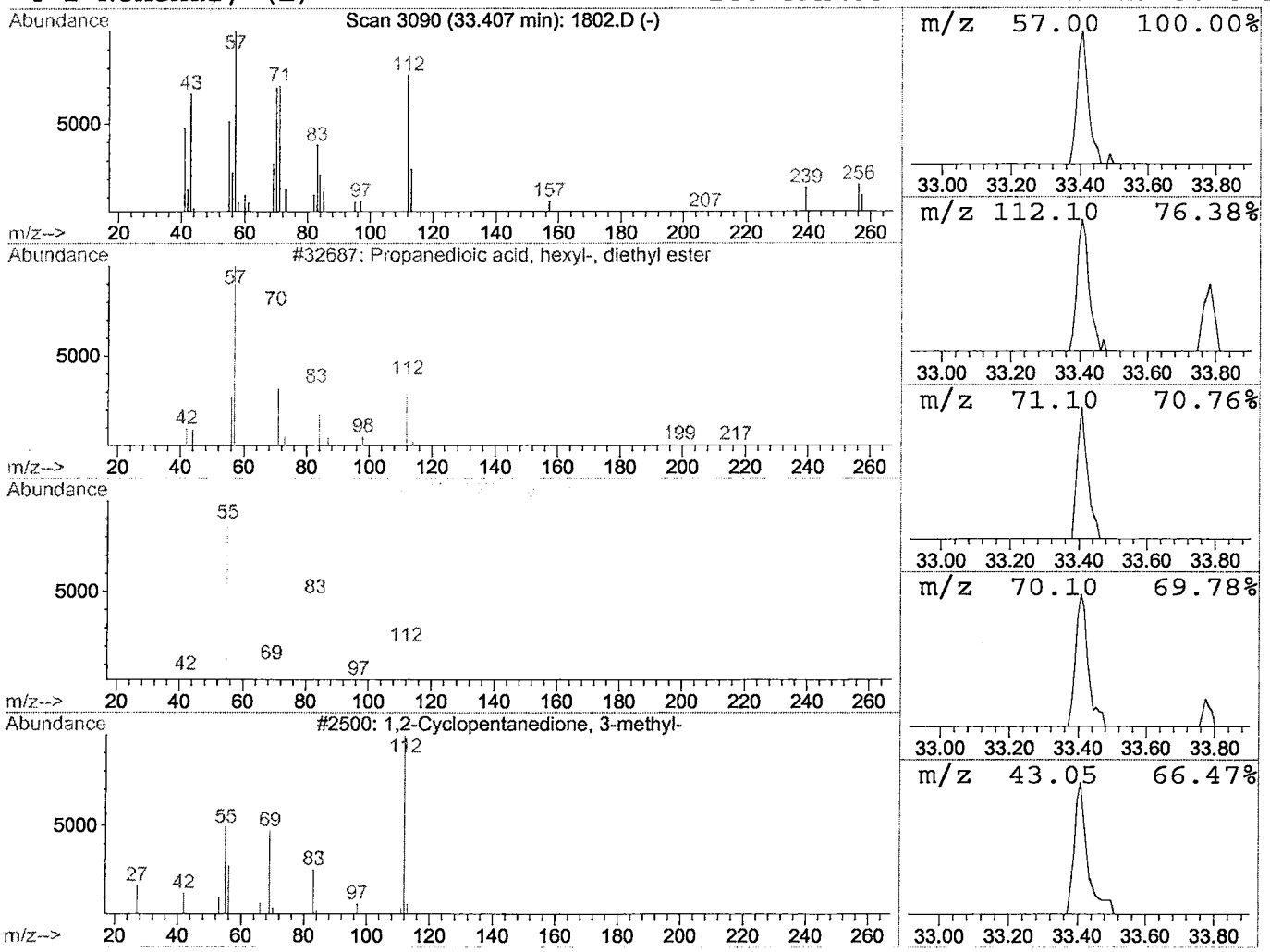
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Propanedioic acid, hexyl-, die Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.41	0.60 ug/l	39363	Chrysene-d12	33.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	37
2	3-Ethyl-3-hexene	112	C8H16	016789-51-8	27
3	1,2-Cyclopentanedione, 3-methyl-	112	C6H8O2	000765-70-8	22
4	2-Nonenal, (E)-	140	C9H16O	018829-56-6	22



Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

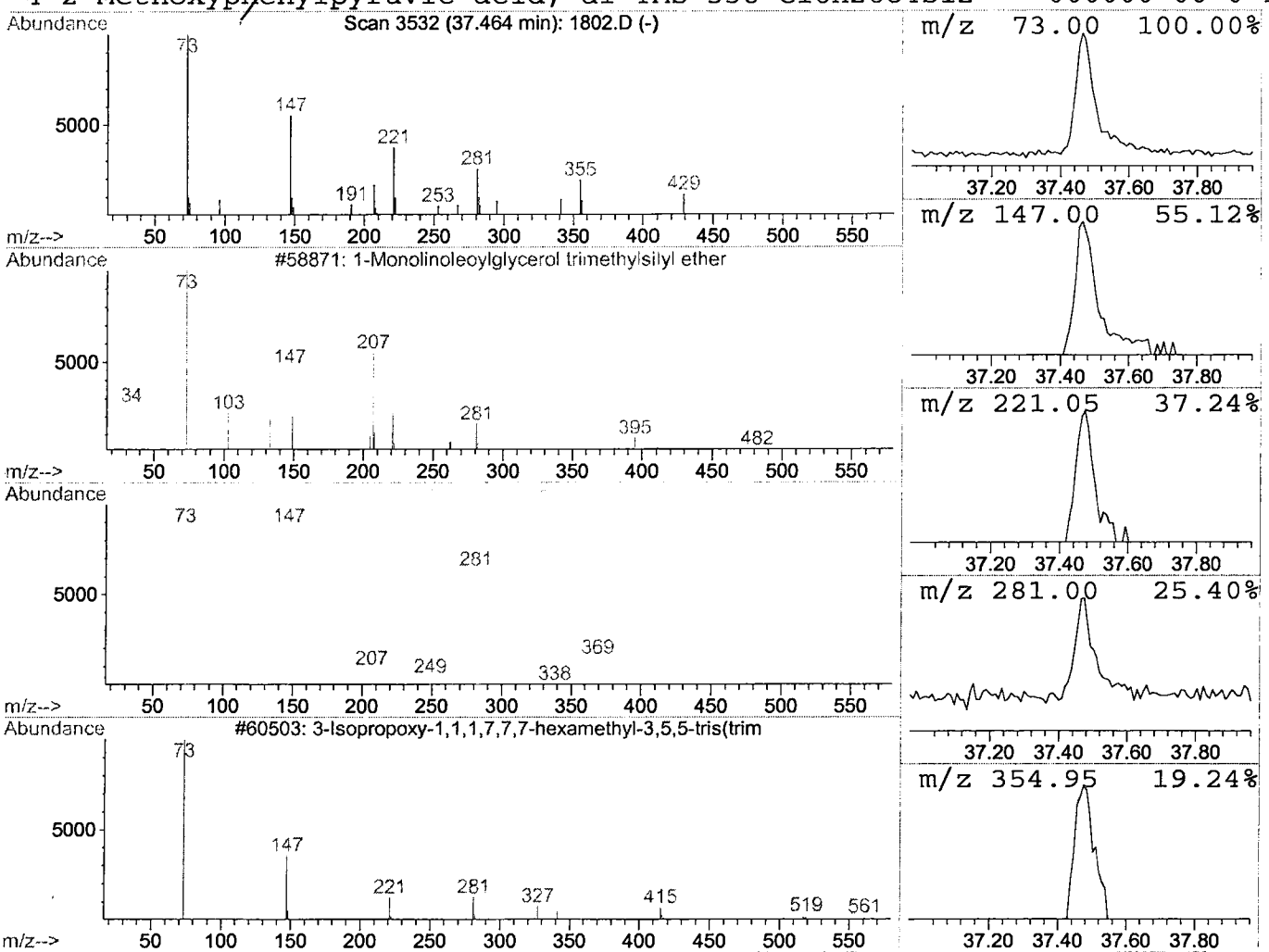
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1-Monolinoleoylglycerol trimet Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.46	0.86 ug/l	45940	Perylene-d12	38.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	33
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	32
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
4	2-Methoxyphenylpyruvic acid, di-TMS	338	C16H26O4Si2	000000-00-0	10



Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

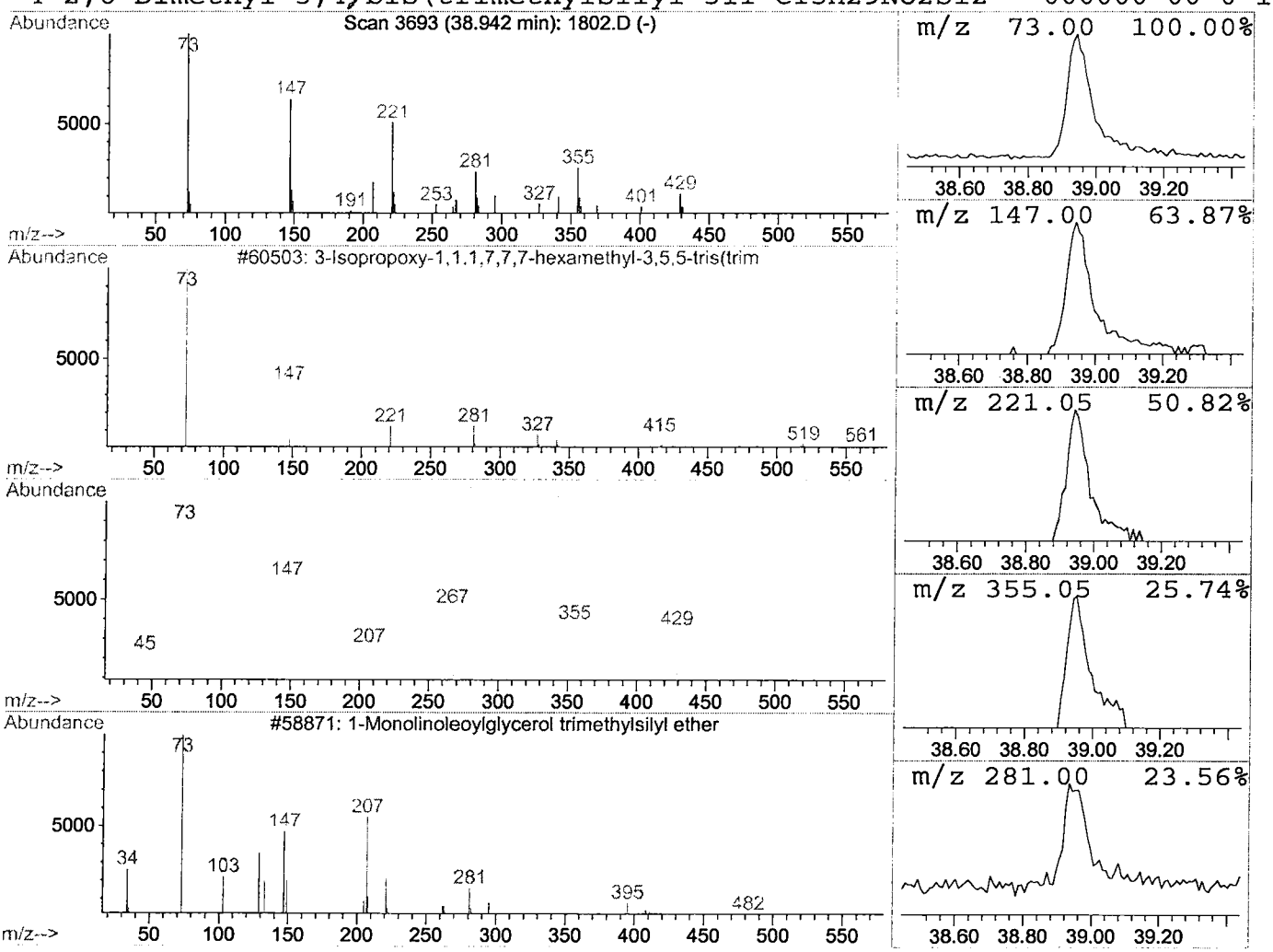
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.94	1.42 ug/l	75837	Perylene-d12	38.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	25
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17
3	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	17
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	10



Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

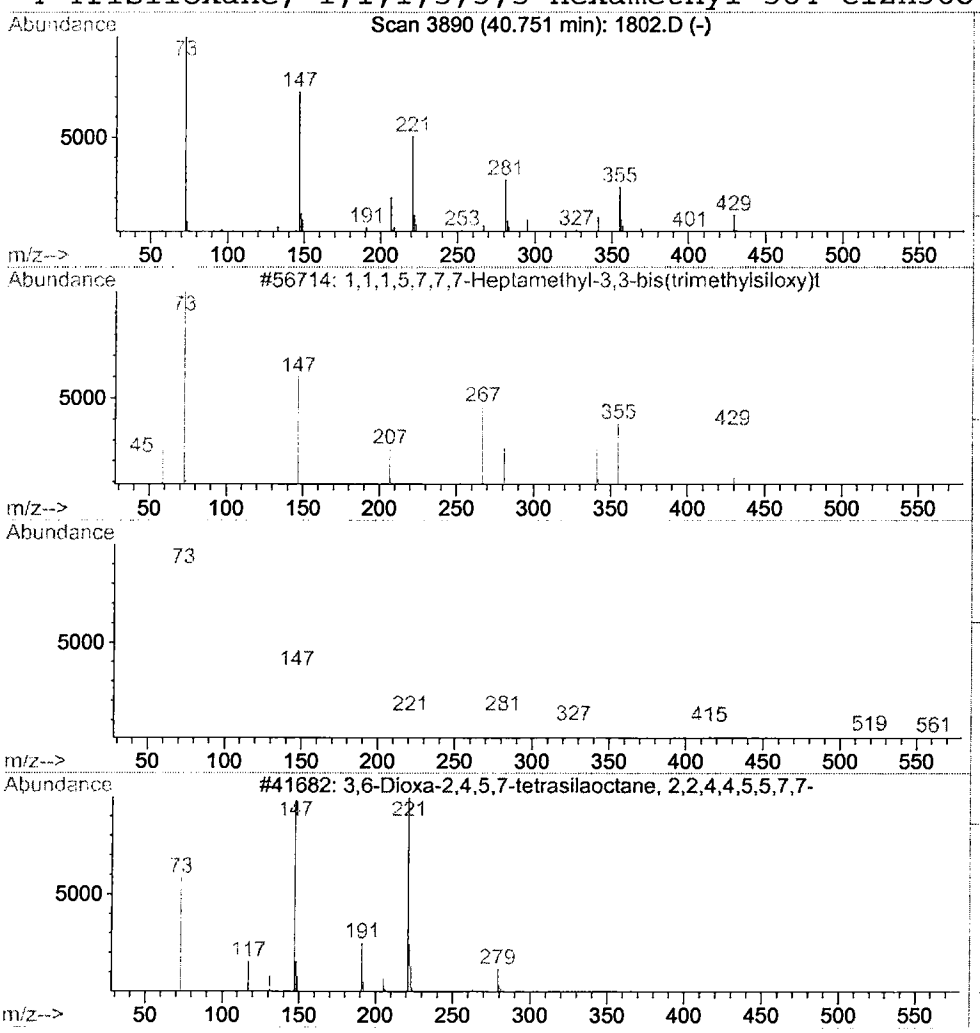
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

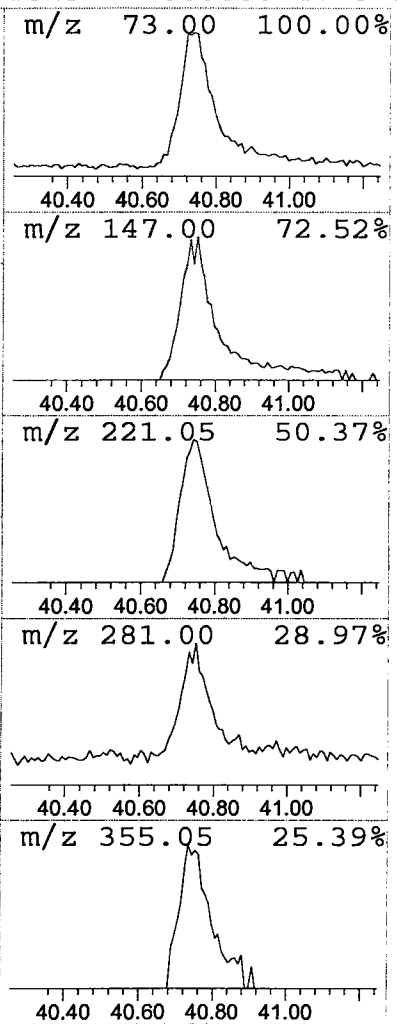
****

Peak Number 4 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.75	2.18 ug/l	115921	Perylene-d12	38.05

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	25
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	17
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12





Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

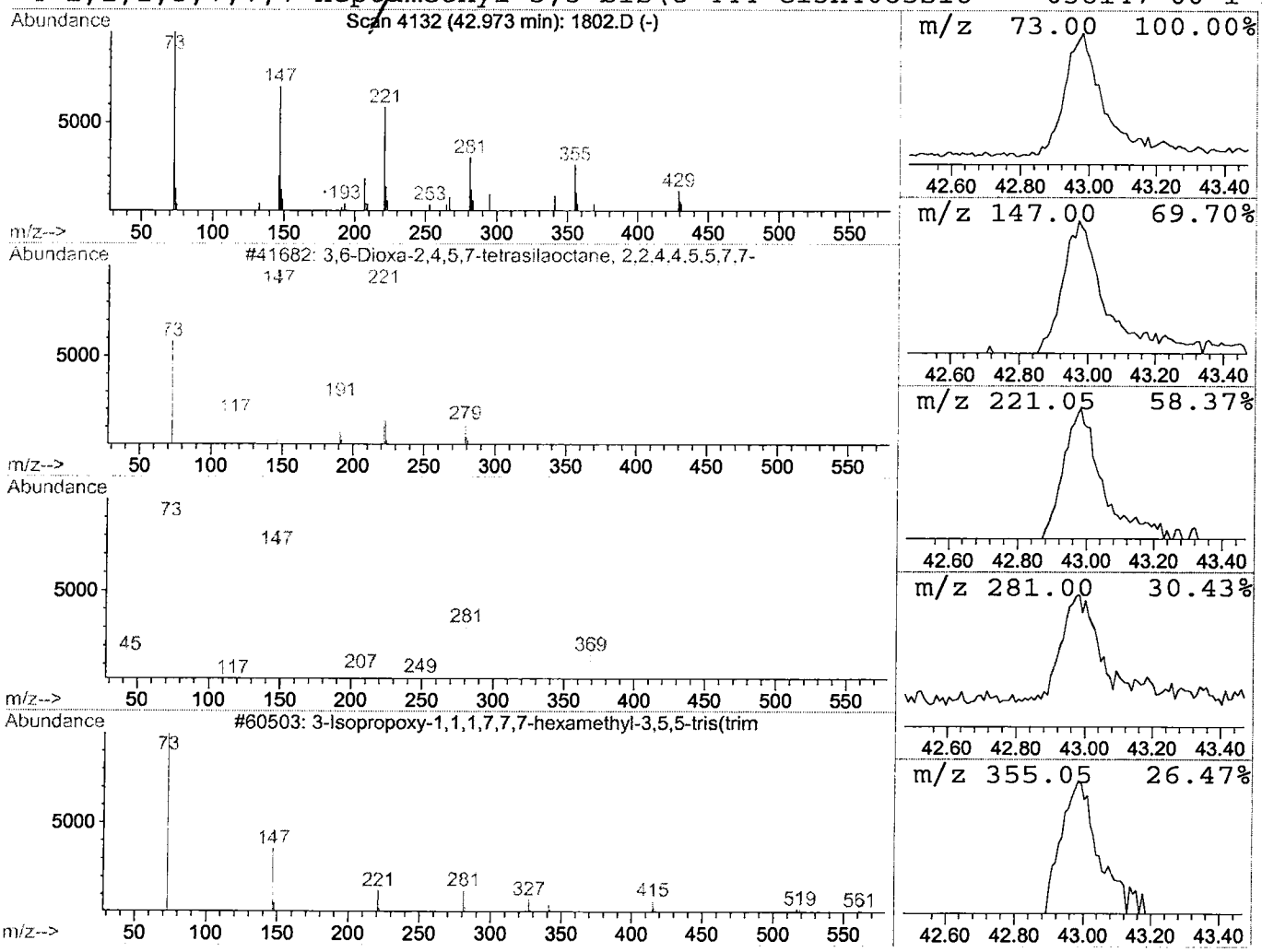
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.97	2.22 ug/l	118006	Perylene-d12	38.05

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	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17



Data File : C:\HPCHEM\1\DATA\FEB2502\1802.D Vial: 28
Acq On : 26 Feb 2002 4:31 pm Operator:
Sample : gc/ms scan 1/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

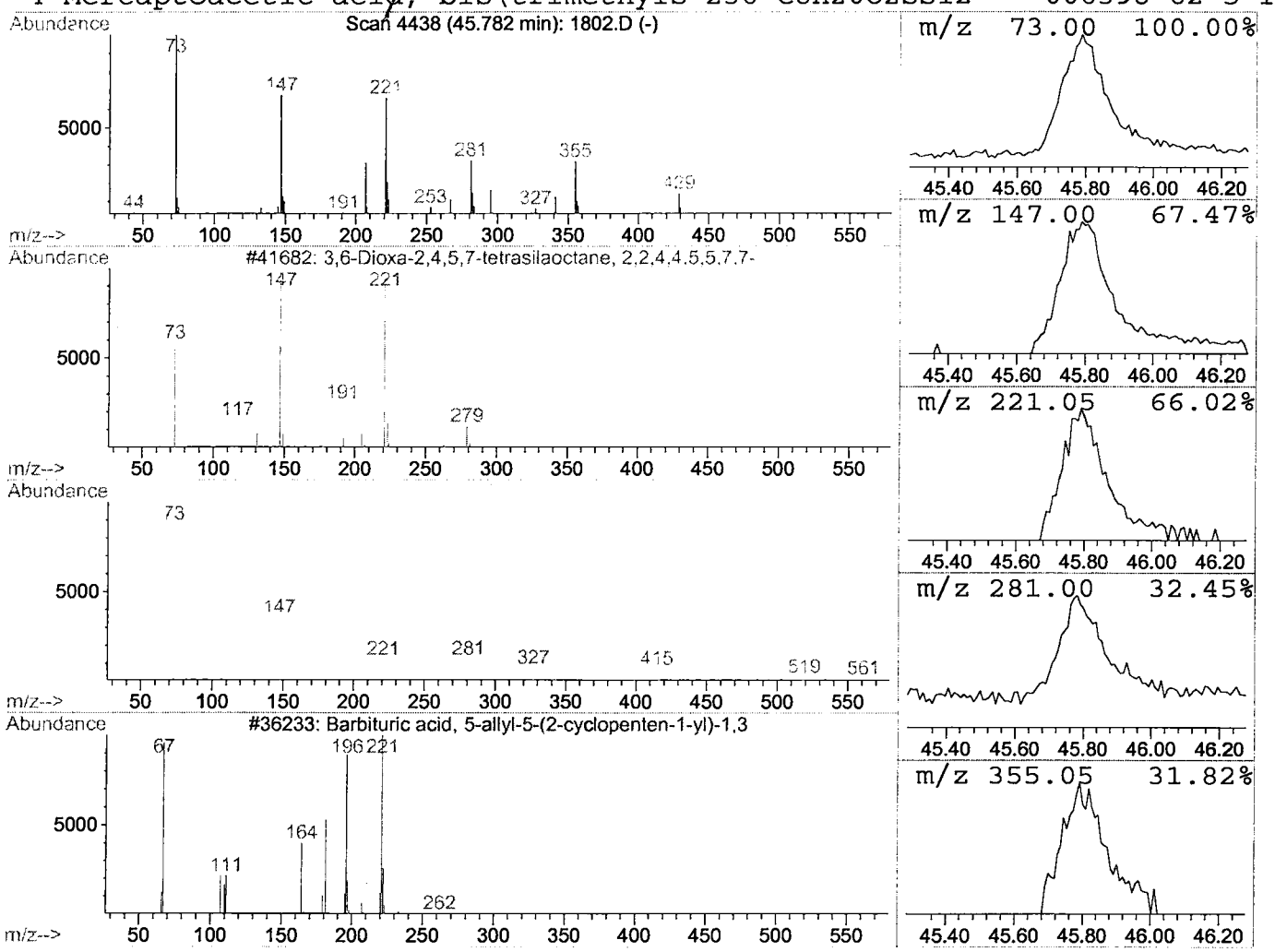
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
45.78	1.16 ug/l	62010	Perylene-d12	38.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	37
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
3	Barbituric acid, 5-allyl-5-(2-cyclo	262	C14H18N2O3	028239-48-7	14
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	10



Tentatively Identified Compound (TIC) Summary

Operator ID: Date Acquired: 26 Feb 2002 4:31 pm
Data File: C:\HPCHEM\1\DATA\FEB2502\1802.D
Name: gc/ms scan 1/25
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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
Propanedioic acid, h	33.41	0.6	ug/l	39363	ISTD05	33.78	1315770	20.0
1-Monolinoleoylglyce	37.46	0.9	ug/l	45940	ISTD06	38.05	1065070	20.0
3-Isopropoxy-1,1,1,7	38.94	1.4	ug/l	75837	ISTD06	38.05	1065070	20.0
1,1,1,5,7,7,7-Heptam	40.75	2.2	ug/l	115921	ISTD06	38.05	1065070	20.0
3,6-Dioxa-2,4,5,7-te	42.97	2.2	ug/l	118006	ISTD06	38.05	1065070	20.0
3,6-Dioxa-2,4,5,7-te	45.78	1.2	ug/l	62010	ISTD06	38.05	1065070	20.0

1802.D GCMS0208.M Thu Feb 28 11:52:41 2002