Comments for Sample AD28901 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 10:24:59

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/17/2001 Time: 10:24:10

Sample: AD28901
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 10:23 Ended: 12/17/01 10:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		95		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28901.D Vial: 38
Acq On : 7 Dec 2001 11:48 am Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:45 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.68	152	1052913	20.00	ug/l	-0.02
15) Naphthalene-d8	15.27	136	4050875	20.00	ug/l	-0.03
26) Acenaphthene-d10	20.55	164	1978182	20.00	ug/l	-0.02
42) Phenanthrene-d10	24.98	188	2909715	20.00	ug/l	-0.01
53) Chrysene-d12	33.01	240	1916534	20.00	ug/l	-0.02
59) Perylene-d12	37.11	264	1447624	20.00	ug/l	-0.01
System Monitoring Compounds						
52) 2,4-DDD	30.06	235	164888	4.76	ug/mL	-0.01
Spiked Amount 5.000			Recovery = 95.20%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.21	74	295	N.D.		
4) Phenol	10.87	94	100	N.D.		
5) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
6) 2-Chlorophenol	0.00	128	0	N.D.		
7) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
8) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
9) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
10) 2-Methylphenol	0.00	108	0	N.D.		
11) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
12) 3&4-Methylphenol	0.00	108	0	N.D.		
13) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
14) Hexachloroethane	0.00	117	0	N.D.		
16) Nitrobenzene	13.01	77	180	N.D.		
17) Isophorone	0.00	82	0	N.D.		
18) 2-Nitrophenol	0.00	139	0	N.D.		
19) 2,4-Dimethylphenol	0.00	107	0	N.D.		
20) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
21) 2,4-Dichlorophenol	0.00	162	0	N.D.		
22) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
23) Naphthalene	15.34	128	2115	N.D.		
24) Hexachlorobutadiene	0.00	225	0	N.D.		
25) 4-Chloro-3-methylphenol	0.00	107	0	N.D.		
27) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
28) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		

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

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
30)	2-Chloronaphthalene	0.00	162	0	N.D.	
31)	Dimethylphthalate	0.00	163	0	N.D.	
32)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	21.34	165	264	N.D.	
38)	Diethylphthalate	22.08	149	1052	N.D.	
39)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40)	Fluorene	0.00	166	0	N.D.	
41)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
43)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
44)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
45)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
46)	Hexachlorobenzene	0.00	284	0	N.D.	
47)	Pentachlorophenol	0.00	266	0	N.D.	
48)	Phenanthrene	25.04	178	544	N.D.	
49)	Anthracene	25.04	178	544	N.D.	
50)	Di-n-butylphthalate	26.99	149	28843	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.50	149	735	N.D.	
56)	Benzo(a)anthracene	33.01	228	5945	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	17772	N.D.	
58)	Chrysene	33.01	228	5945	N.D.	
60)	Di-n-Octylphthalate	35.03	149	3708	N.D.	
61)	Benzo(b)fluoranthene	36.05	252	2653	N.D.	
62)	Benzo(k)fluoranthene	36.11	252	3428	N.D.	
63)	Benzo(a)pyrene	36.93	252	4743	N.D.	
64)	Indeno(1,2,3-cd)pyrene	40.79	276	11314	N.D.	
65)	Dibenz(a,h)anthracene	40.86	278	9036	N.D.	
66)	Benzo(g,h,i)perylene	41.87	276	13940	N.D.	

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

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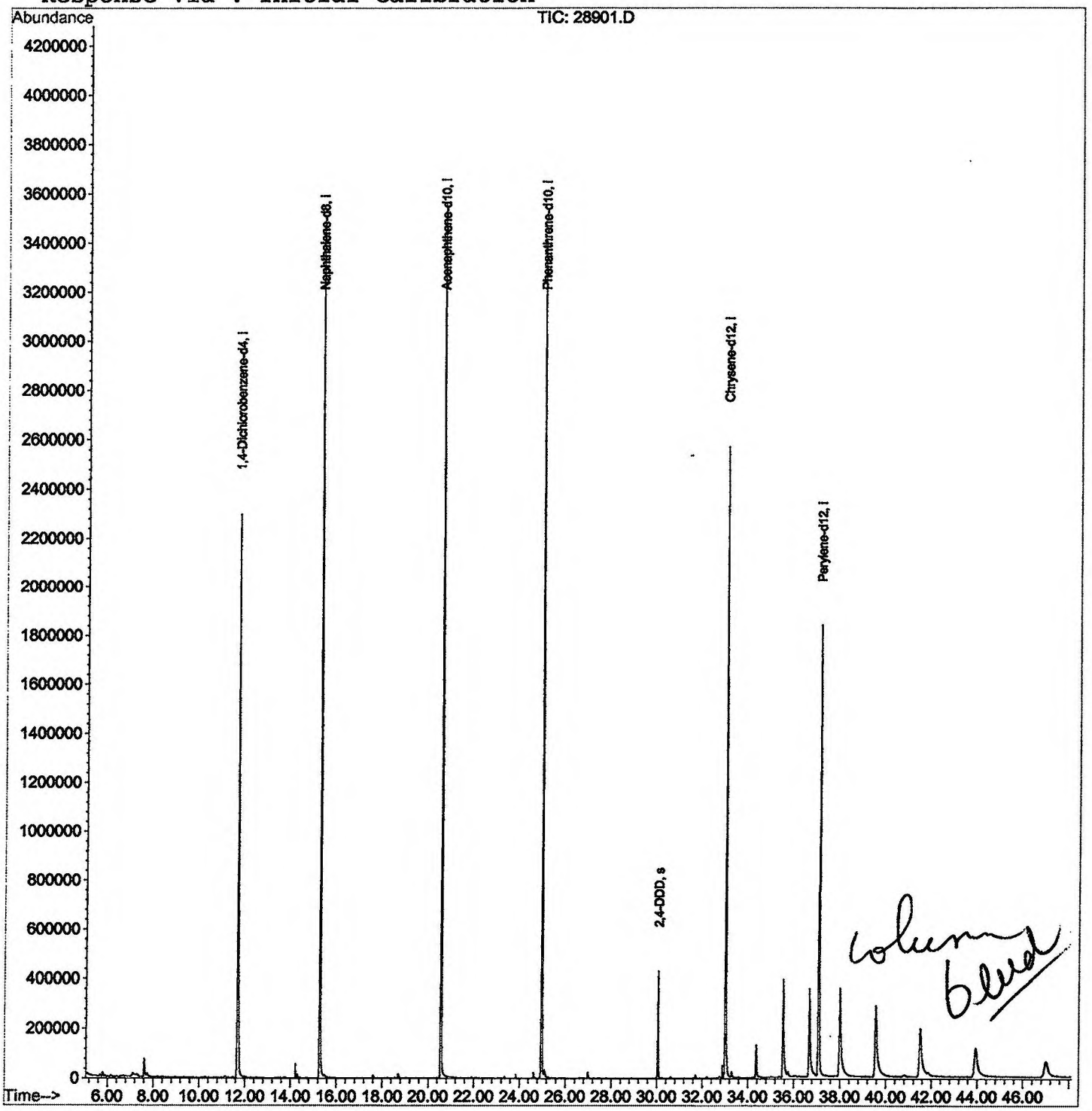


LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28901.D Vial: 38
Acq On : 7 Dec 2001 11:48 am Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

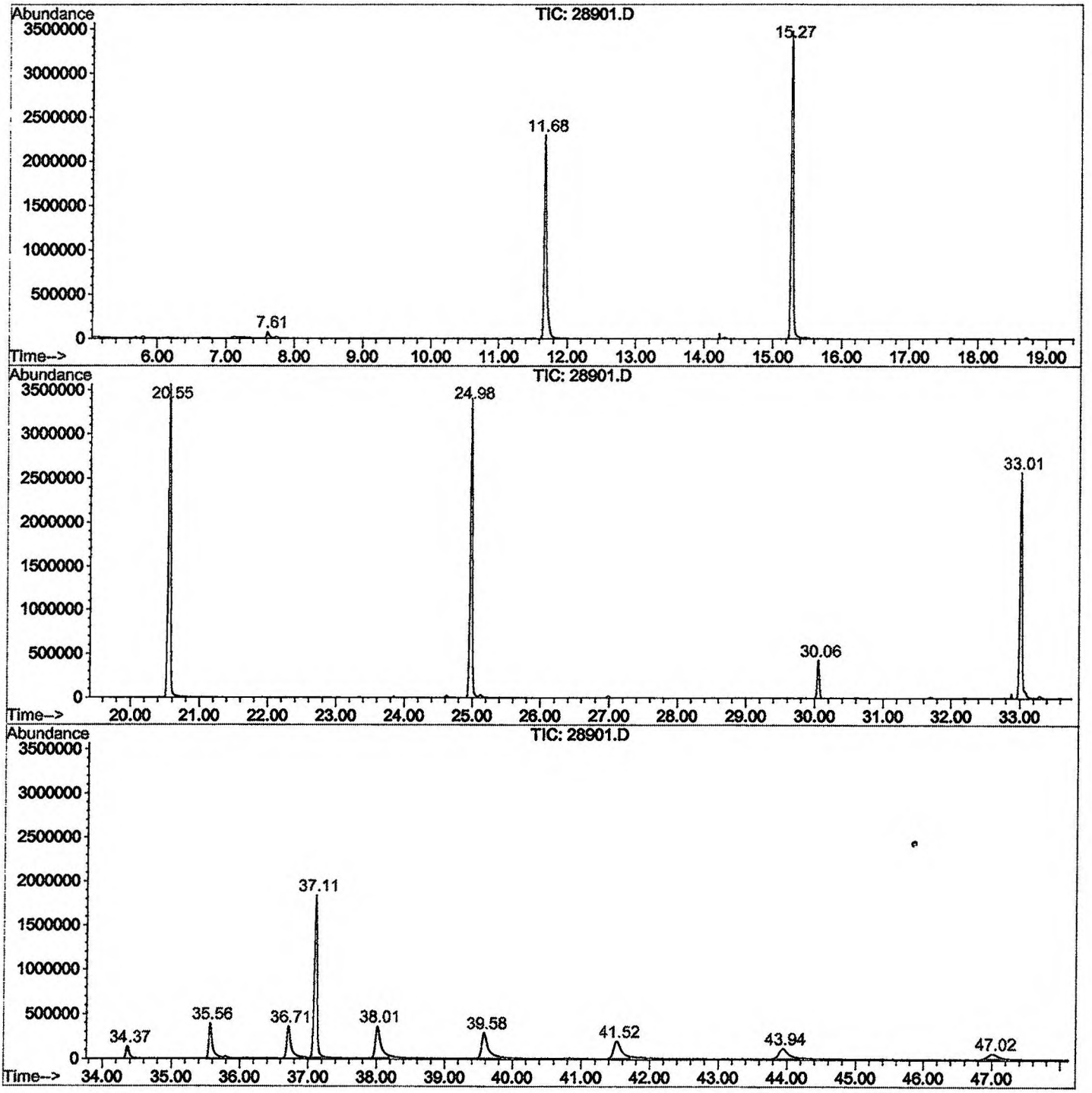
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.609	275	279	290	rBV	72542	183797	2.28%	0.354%
2	11.676	716	722	741	rBV	2296692	5717334	71.00%	11.022%
3	15.275	1108	1114	1132	rBV	3470623	7585261	94.20%	14.623%
4	20.553	1683	1689	1714	rBV	3563994	8052406	100.00%	15.524%
5	24.978	2164	2171	2183	rBV2	3405094	7642489	94.91%	14.734%
6	30.055	2718	2724	2732	rBV	428097	876327	10.88%	1.689%
7	33.011	3039	3046	3069	rBV2	2571394	6125249	76.07%	11.809%
8	34.370	3187	3194	3206	rBV	132649	410952	5.10%	0.792%
9	35.563	3318	3324	3346	rBV2	389973	1461694	18.15%	2.818%
10	36.711	3441	3449	3473	rBV	352863	1537009	19.09%	2.963%
11	37.106	3484	3492	3514	rBV2	1828092	5220786	64.84%	10.065%
12	38.014	3581	3591	3610	rBV	352007	1889278	23.46%	3.642%
13	39.584	3751	3762	3789	rBV3	281769	1925203	23.91%	3.712%
14	41.521	3960	3973	3994	rBV3	190537	1518331	18.86%	2.927%
15	43.945	4221	4237	4263	rBV2	113653	1092790	13.57%	2.107%
16	47.020	4554	4572	4598	rBV5	58553	631972	7.85%	1.218%

Sum of corrected areas: 51870878

28901.D GCMS1126.M Tue Dec 11 16:07:54 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28901.D
Operator : 209 GALOS
Acquired : 7 Dec 2001 11:48 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/28 gc/ms scan
Misc Info :
Vial Number: 38
Quant File :GCMS1126.RES (RTE Integrator)



28901.D GCMS1126.M Tue Dec 11 16:08:00 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28901.D
Acq On : 7 Dec 2001 11:48 am
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 38
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

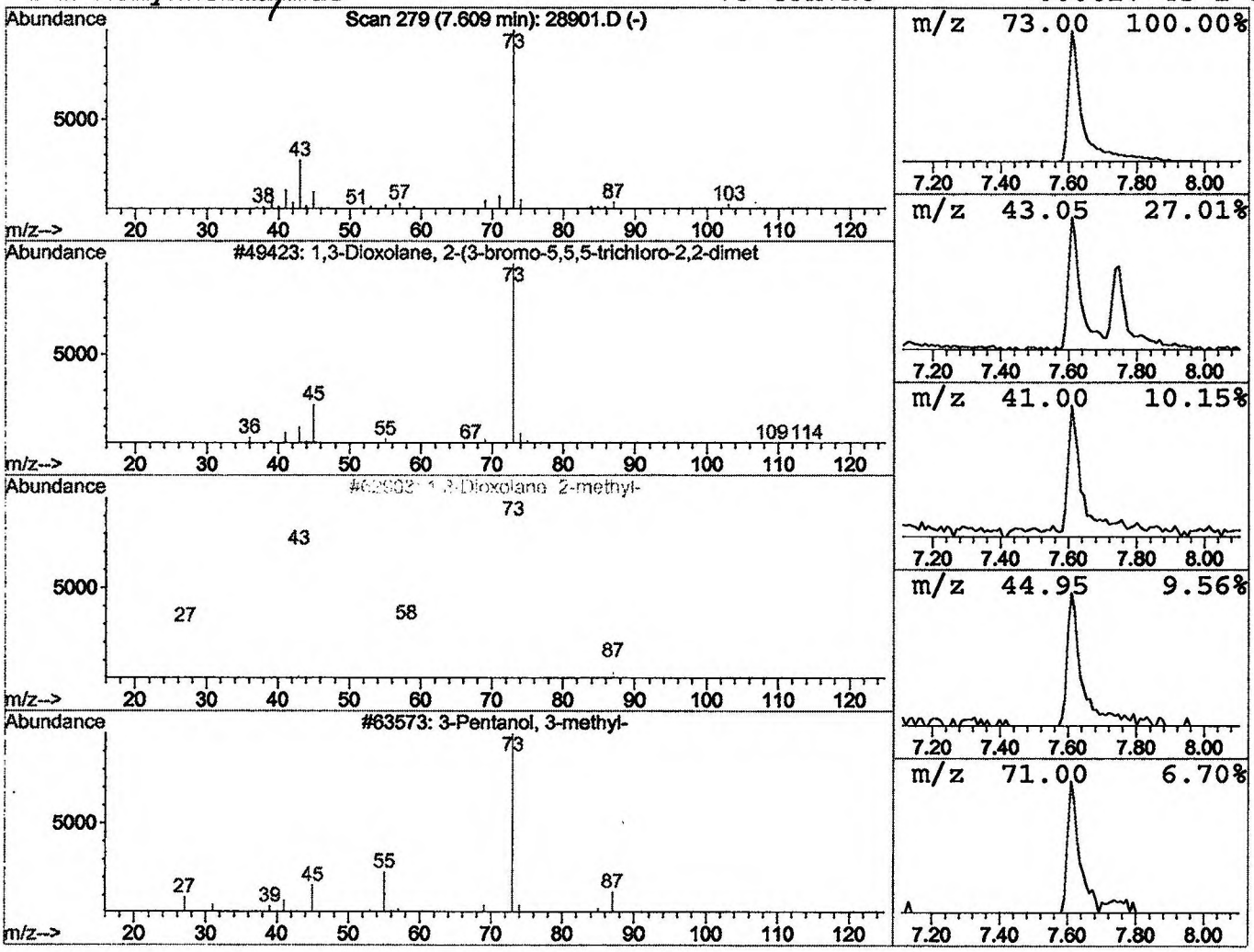
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,3-Dioxolane, 2-(3-bromo-5,5, Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.64 ug/l	183797	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	23
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	5



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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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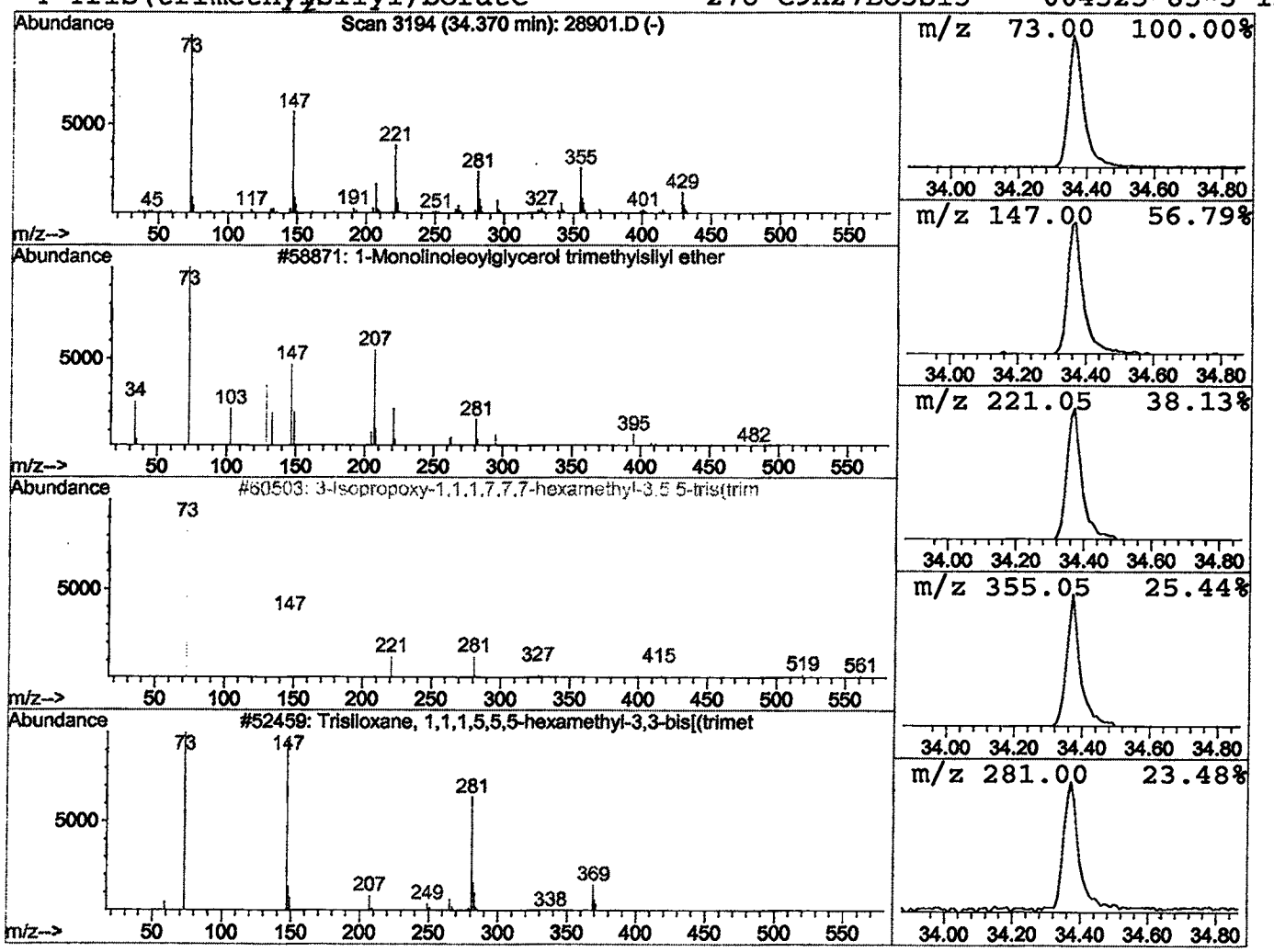
****

Peak Number 2 1-Monolinoleoylglycerol trimet Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.37	1.34 ug/l	410952	Chrysene-d12	33.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	23
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	12
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12
4	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	12



Library Search Compound Report

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Misc :
MS Integration Params: LSCINT.P

Vial: 38
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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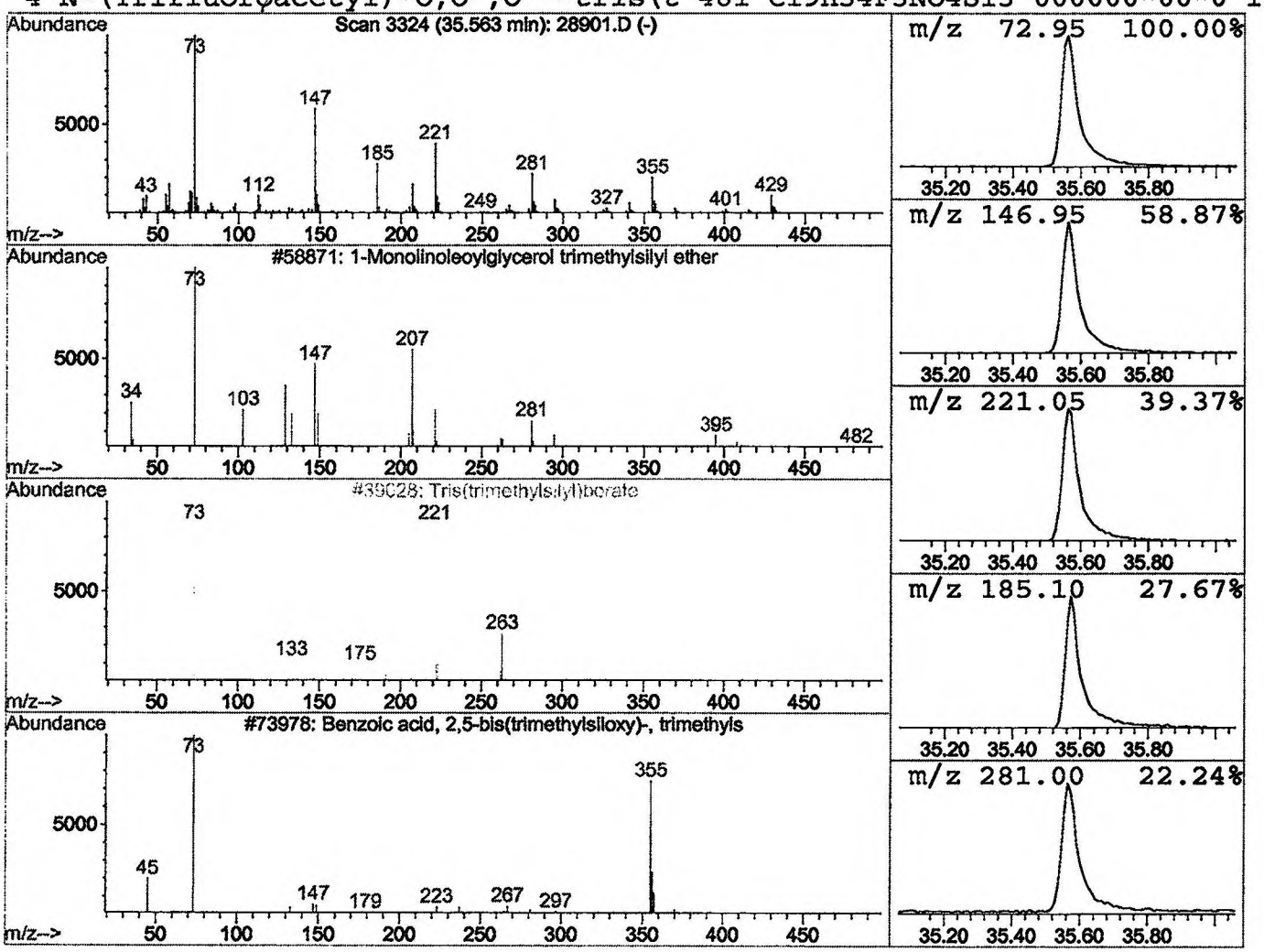
****

Peak Number 3 1-Monolinoleoylglycerol trimet Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.56	5.60 ug/l	1461690	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	23
2	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	12
3	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	10
4	N-(Trifluoroacetyl)-O,O',O''-tris(t	481	C19H34F3NO4Si3	000000-00-0	10



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Vial: 38
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Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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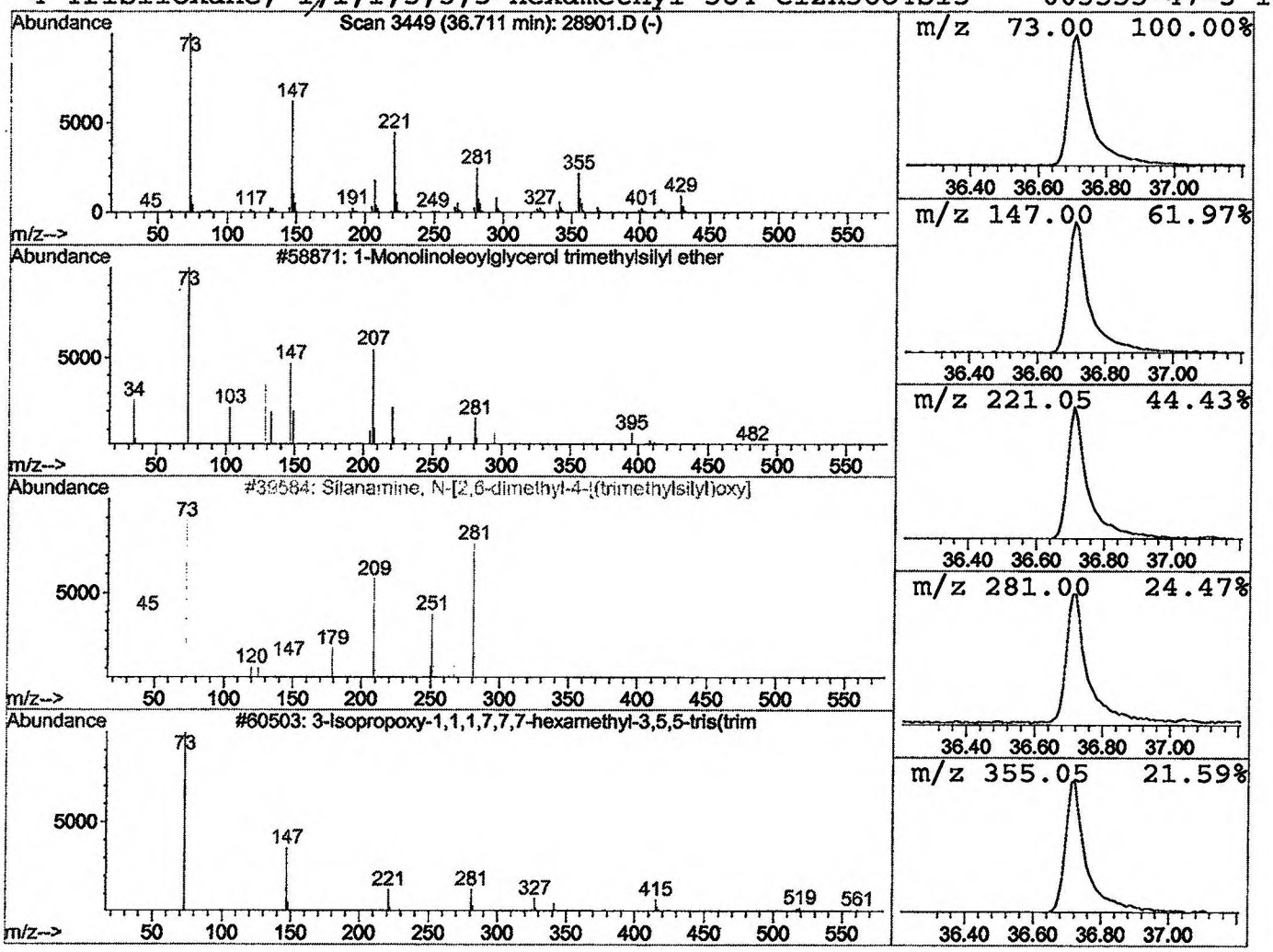
****

Peak Number 4 1-Monolinoleoylglycerol trimet Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.71	5.89 ug/l	1537010	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	23
2	Silanamine, N-[2,6-dimethyl-4-[(tri	281	C14H27NOSi2	072088-09-6	18
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	12
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12



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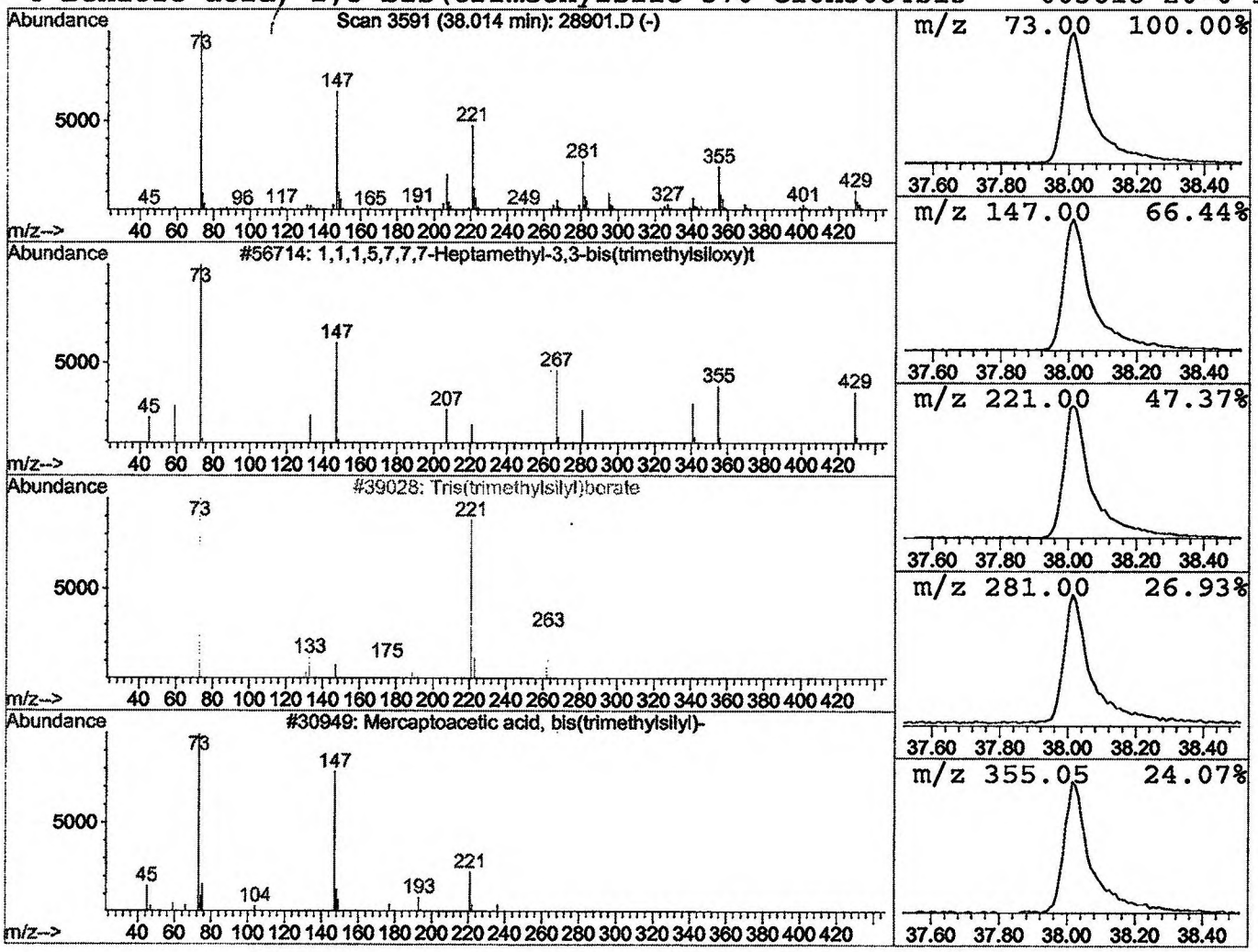
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.01	7.24 ug/l	1889280	Perylene-d12	37.11

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	17
2	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	12
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	10



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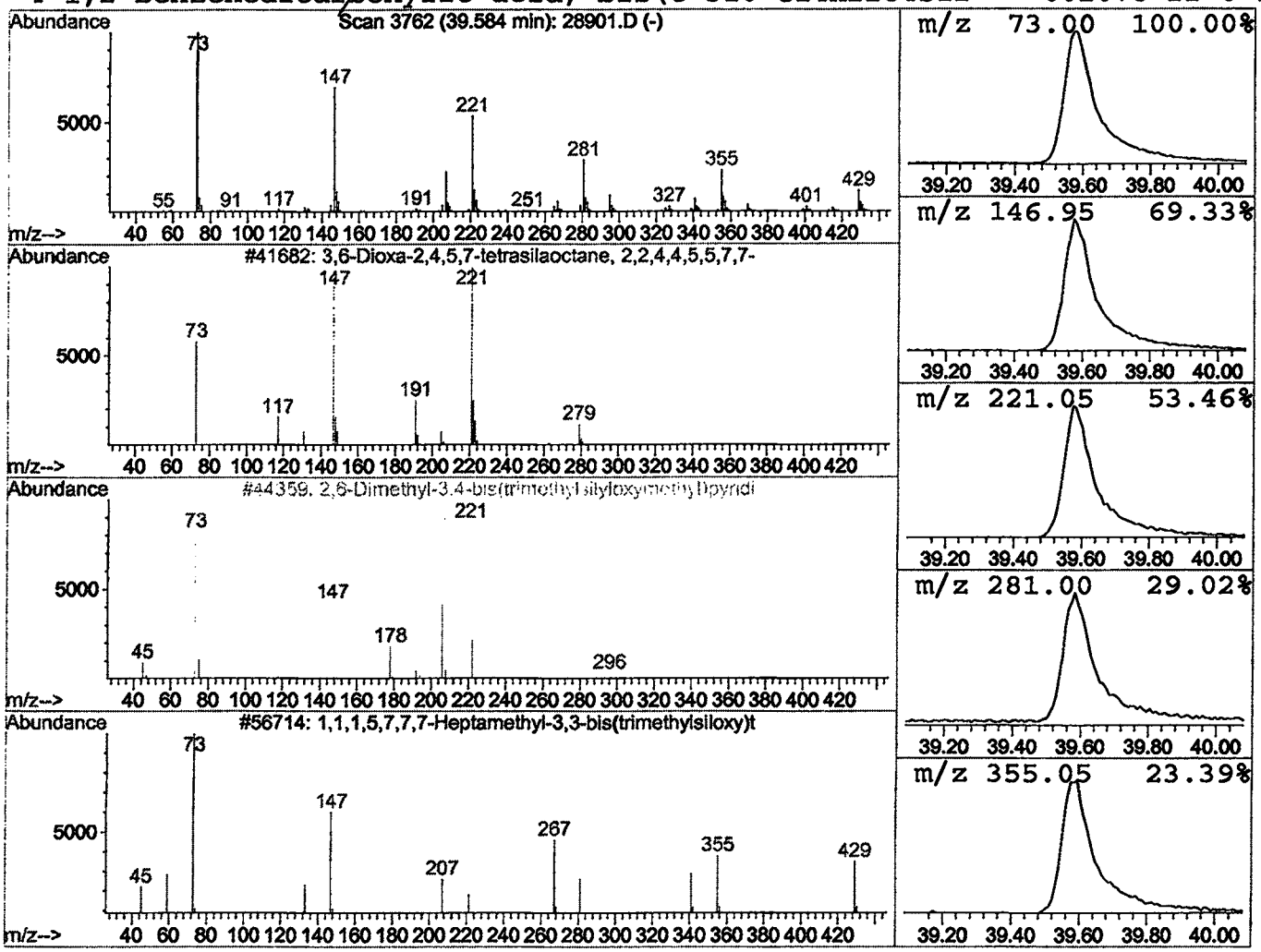
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.58	7.38 ug/l	1925200	Perylene-d12	37.11

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	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	30
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17
4	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	14



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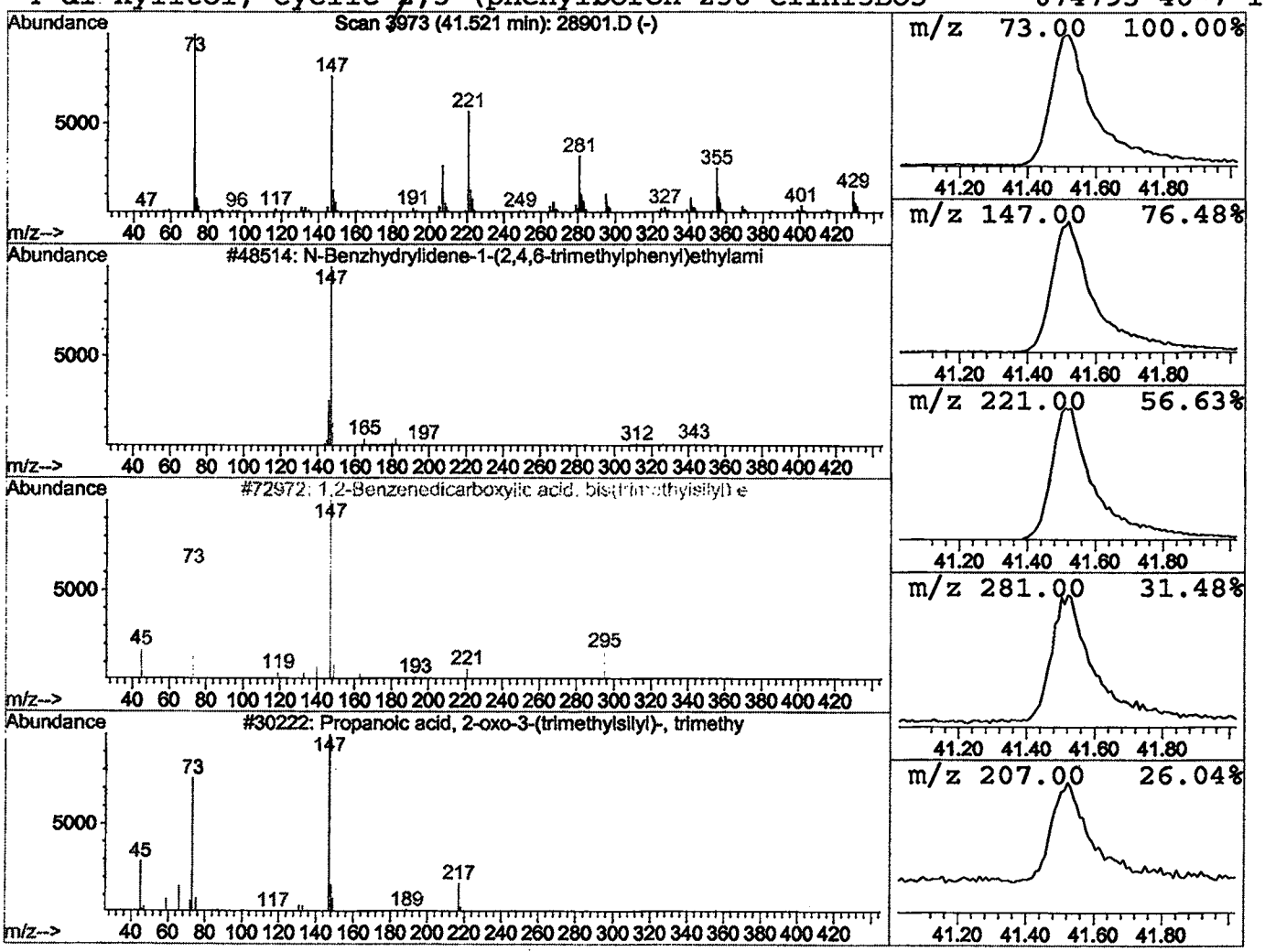
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 N-Benzhydrylidene-1-(2,4,6-tri Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.52	5.82 ug/l	1518330	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Benzhydrylidene-1-(2,4,6-trimethy	343	C24H25NO	089839-57-6	27
2	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
3	Propanoic acid, 2-oxo-3-(trimethyls	232	C9H20O3Si2	055887-51-9	16
4	dl-Xylitol, cyclic 2,3-(phenylboron	238	C11H15BO5	074793-46-7	16



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Vial: 38
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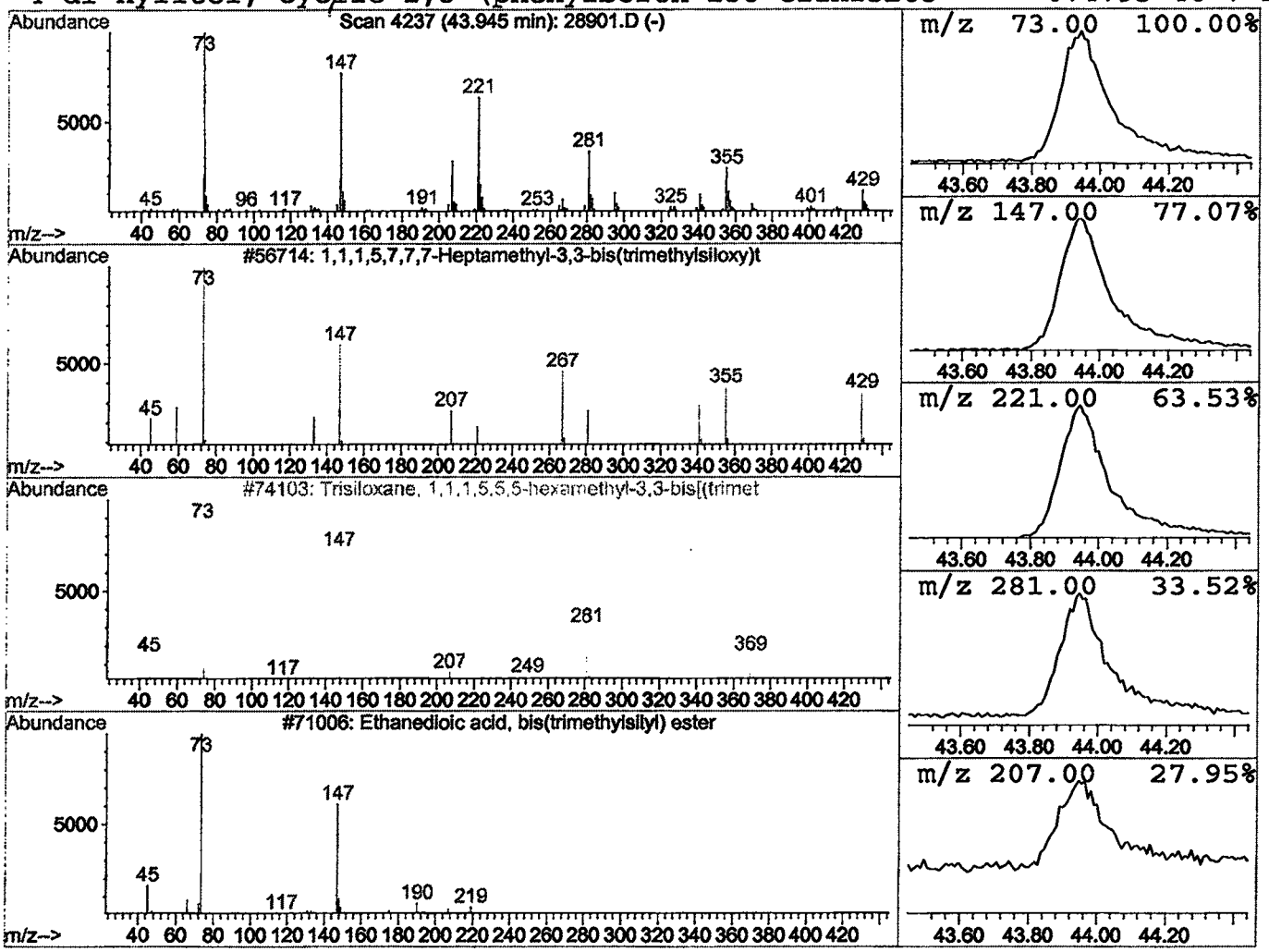
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.94	4.19 ug/l	1092790	Perylene-d12	37.11

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	32
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	23
3	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	22
4	dl-Xylitol, cyclic 2,3-(phenylboron	238	C11H15BO5	074793-46-7	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28901.D
Acq On : 7 Dec 2001 11:48 am
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 38
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

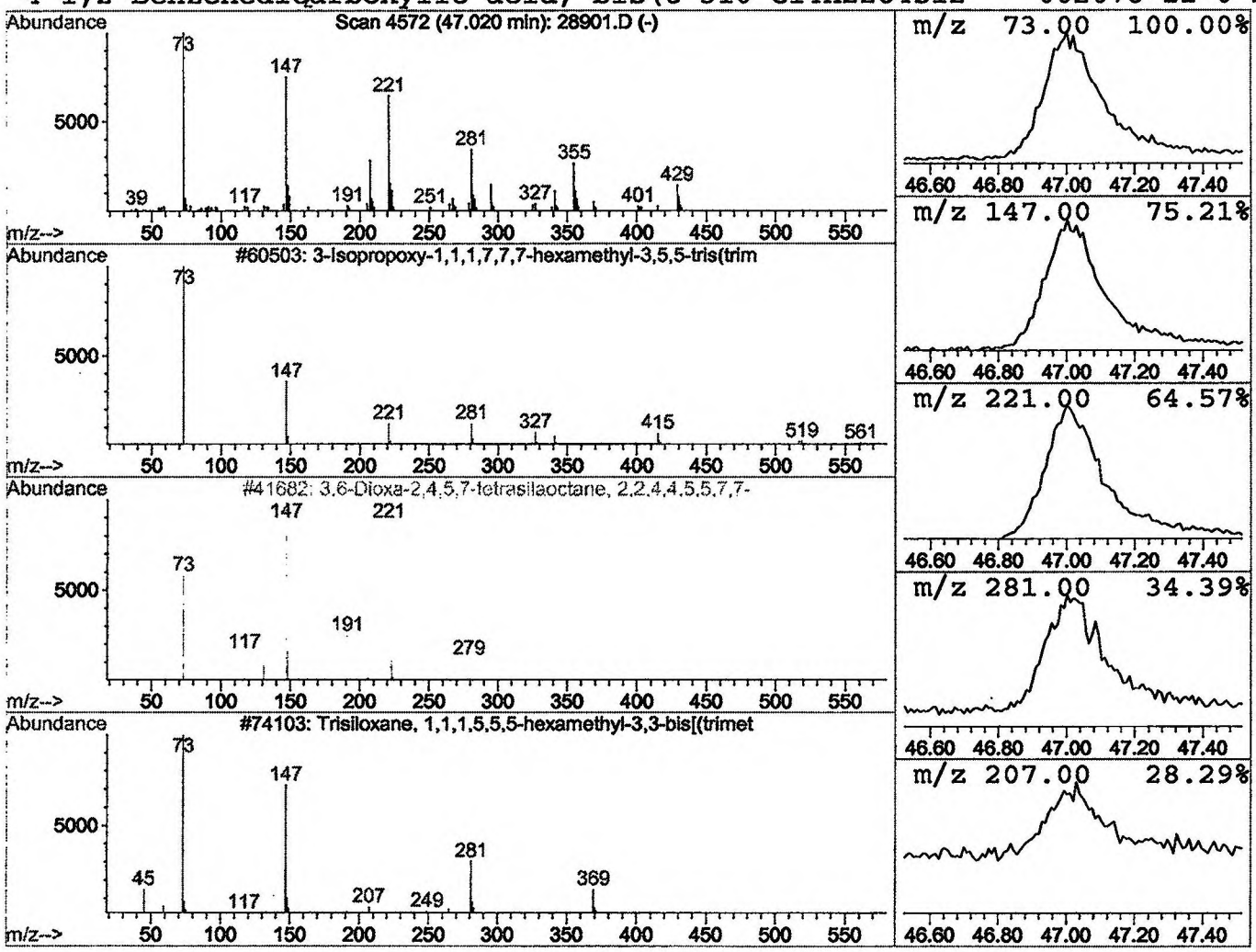
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 9 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.02	2.42 ug/l	631972	Perylene-d12	37.11

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	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	28
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
4	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Dec 2001 11:48 am
Data File: C:\HPCHEM\1\DATA\DEC0601\28901.D
Name: 11/28 gc/ms scan
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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
1,3-Dioxolane, 2-(3-	7.61	0.6	ug/l	183797	ISTD01	11.68	5717330	20.0
1-Monolinoleoylglyce	34.37	1.3	ug/l	410952	ISTD05	33.01	6125250	20.0
1-Monolinoleoylglyce	35.56	5.6	ug/l	1461690	ISTD06	37.11	5220790	20.0
1-Monolinoleoylglyce	36.71	5.9	ug/l	1537010	ISTD06	37.11	5220790	20.0
1,1,1,5,7,7,7-Heptam	38.01	7.2	ug/l	1889280	ISTD06	37.11	5220790	20.0
3,6-Dioxa-2,4,5,7-te	39.58	7.4	ug/l	1925200	ISTD06	37.11	5220790	20.0
N-Benzhydrylidene-1-	41.52	5.8	ug/l	1518330	ISTD06	37.11	5220790	20.0
1,1,1,5,7,7,7-Heptam	43.94	4.2	ug/l	1092790	ISTD06	37.11	5220790	20.0
3-Isopropoxy-1,1,1,7	47.02	2.4	ug/l	631972	ISTD06	37.11	5220790	20.0

28901.D GCMS1126.M Tue Dec 11 16:08:49 2001