Comments for Sample AD28666 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:35:12

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recovery for the Surrogate Standard in this sample was 85%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28666.D Vial: 35
Acq On : 29 Nov 2001 8:26 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:14 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	11.70	152	799912	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3066758	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1472609	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2010155	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	971911	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	583724	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	101558	4.24	ug/mL	0.00
Spiked Amount 5.000			Recovery = 84.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.25	74	732	N.D.		
4) Phenol	11.15	94	174	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	13.10	77	111	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	15.35	128	461	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.		
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	

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

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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	21.04	165	294	N.D.	
38)	Diethylphthalate	22.09	149	557	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	25.06	178	624	N.D.	
49)	Anthracene	25.06	178	624	N.D.	
50)	Di-n-butylphthalate	27.00	149	8312	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	0.00	149	0	N.D.	
56)	Benzo(a)anthracene	33.02	228	3733	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	3632	N.D.	
58)	Chrysene	33.02	228	3733	N.D.	
60)	Di-n-Octylphthalate	35.04	149	660	N.D.	
61)	Benzo(b)fluoranthene	36.07	252	333	N.D.	
62)	Benzo(k)fluoranthene	36.13	252	772	N.D.	
63)	Benzo(a)pyrene	37.12	252	2414	N.D.	
64)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
65)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66)	Benzo(g,h,i)perylene	41.94	276	322	N.D.	

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

Quantitation Report

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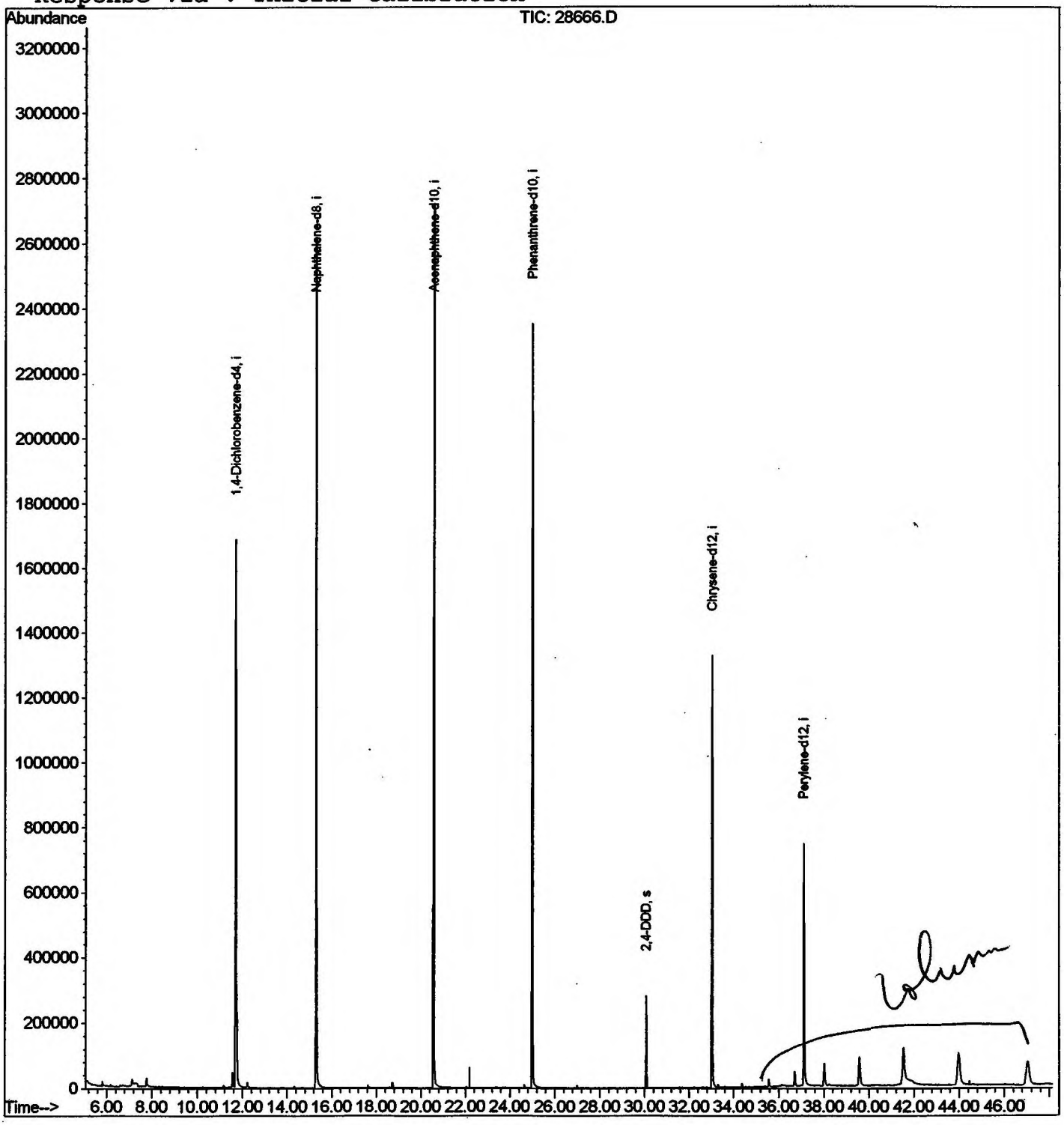
Acq On : 29 Nov 2001 8:26 pm
Sample : 11/23 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:14 2001

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28666.D
Acq On : 29 Nov 2001 8:26 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

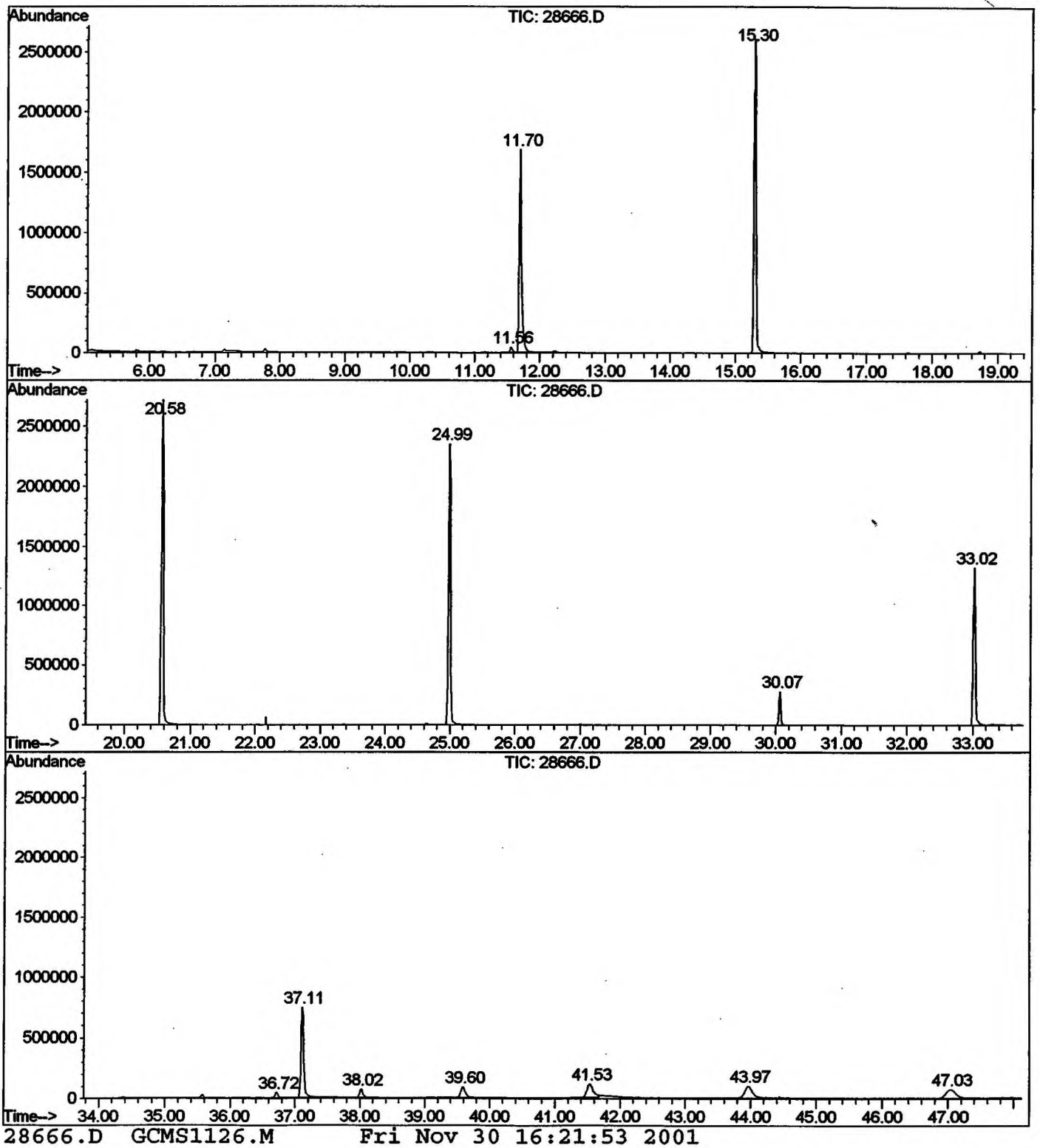
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.561	706	710	720	rBV	43913	101753	1.73%	0.344%
2	11.699	720	725	745	rBV	1683987	4170443	71.02%	14.104%
3	15.297	1112	1117	1136	rBV	2607668	5638190	96.01%	19.068%
4	20.576	1686	1692	1716	rBV	2718324	5872324	100.00%	19.859%
5	24.992	2167	2173	2186	rBV2	2350322	5098125	86.82%	17.241%
6	30.069	2721	2726	2735	rBV	279695	544359	9.27%	1.841%
7	33.025	3041	3048	3065	rBV2	1324973	3081461	52.47%	10.421%
8	36.724	3444	3451	3458	rBV	43265	126242	2.15%	0.427%
9	37.110	3486	3493	3511	rBV2	738172	2102601	35.81%	7.111%
10	38.019	3584	3592	3603	rBV2	67078	243146	4.14%	0.822%
11	39.598	3754	3764	3783	rBV	85741	407560	6.94%	1.378%
12	41.535	3963	3975	3990	rBV4	109248	727317	12.39%	2.460%
13	43.968	4223	4240	4260	rBV2	97173	785222	13.37%	2.656%
14	47.034	4557	4574	4594	rBV2	69182	670666	11.42%	2.268%

Sum of corrected areas: 29569409

28666.D GCMS1126.M Fri Nov 30 16:21:51 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28666.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 8:26 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 35
Quant File :GCMS1126.RES (RTE Integrator)



28666.D GCMS1126.M Fri Nov 30 16:21:53 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28666.D
Acq On : 29 Nov 2001 8:26 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

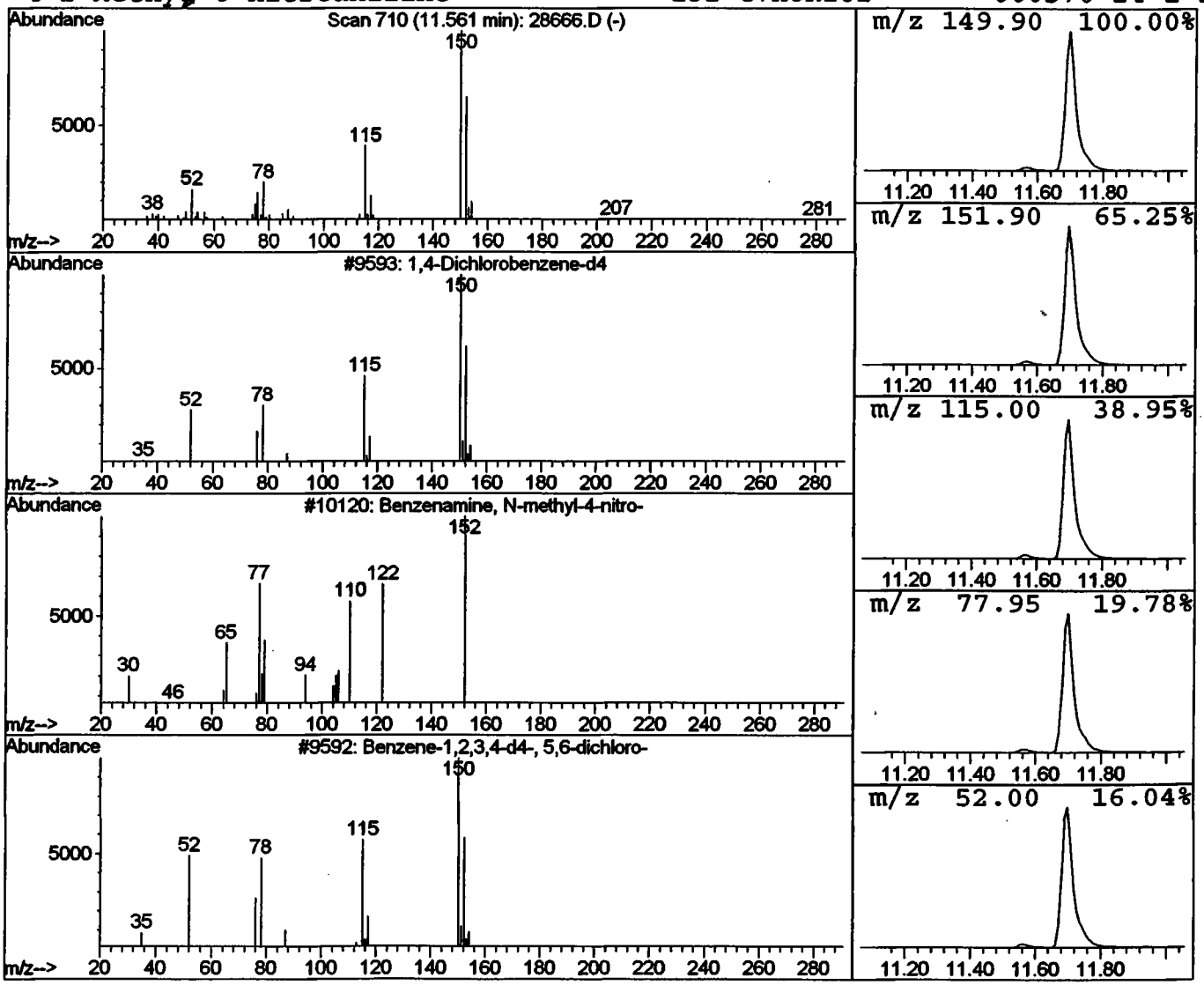
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.49 ug/l	101753	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzenamine, N-methyl-4-nitro-	152	C7H8N2O2	000100-15-2	14
3	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	12
4	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	10



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Misc :
MS Integration Params: LSCINT.P

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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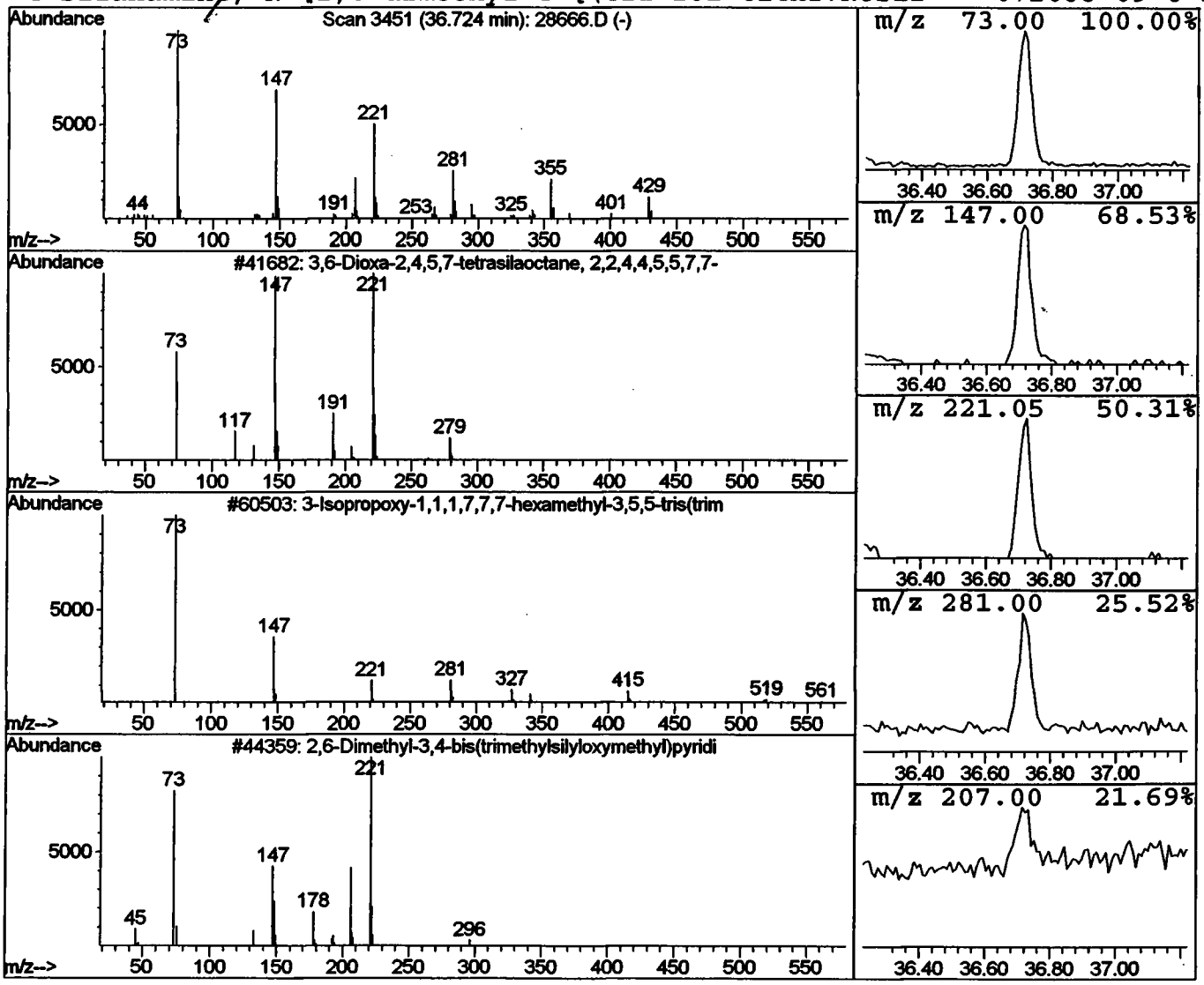
Peak Number 2 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.72	1.20 ug/l	126242	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	23
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	17
3	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	16
4	Silanamine, N-[2,6-dimethyl-4-[(tri	281	C14H27NOSi2	072088-09-6	10



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Misc :
MS Integration Params: LSCINT.P

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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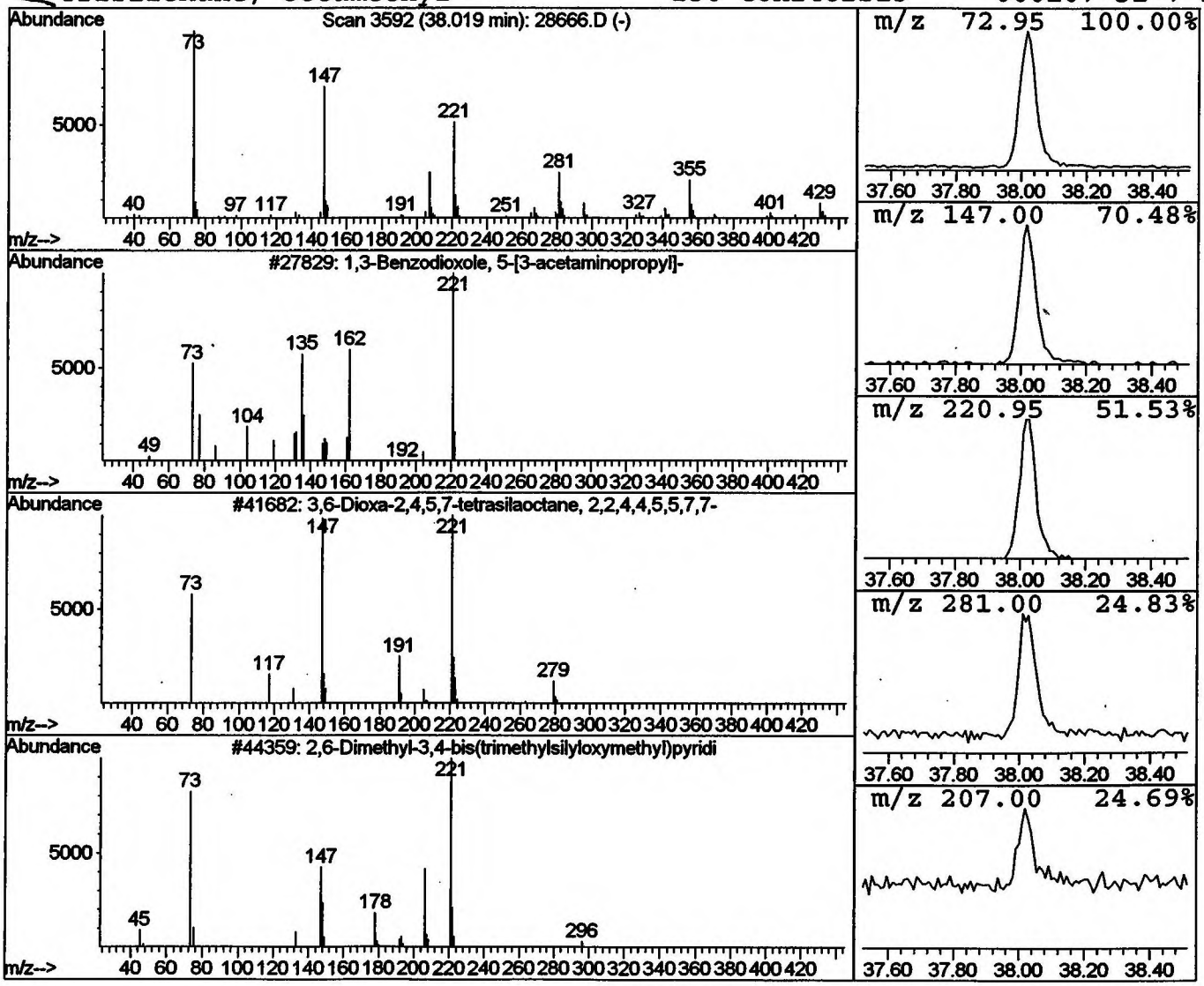
****

Peak Number 3 1,3-Benzodioxole, 5-[3-acetami Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.02	2.31 ug/l	243146	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzodioxole, 5-[3-acetaminopro	221	C12H15NO3	000000-00-0	27
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	23
3	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	17
4	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	12



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Misc :
MS Integration Params: LSCINT.P

Vial: 35
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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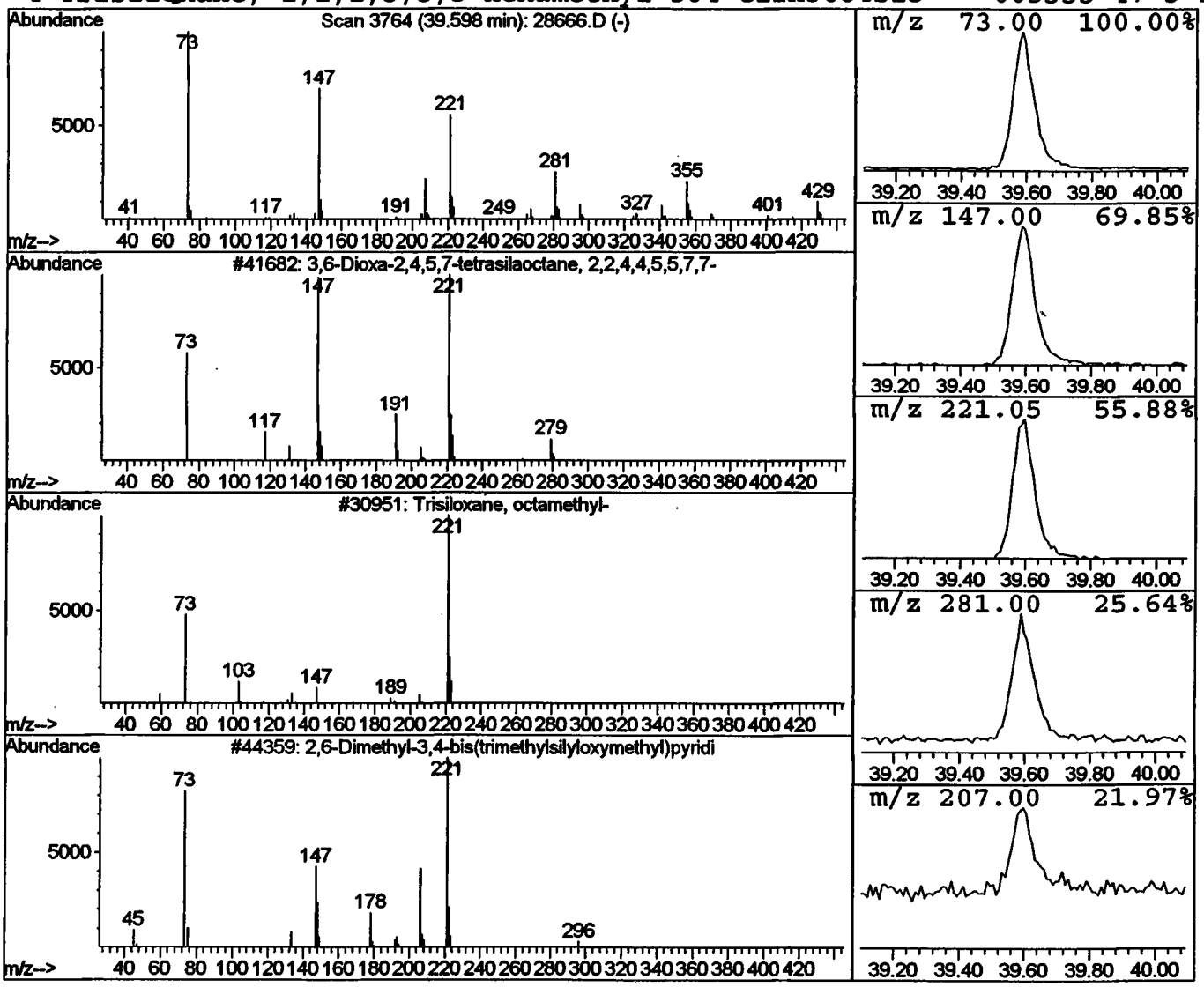
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.60	3.88 ug/l	407560	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	37
2	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	16
3	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	16
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	16



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Vial: 35
Operator: 209 GALOS
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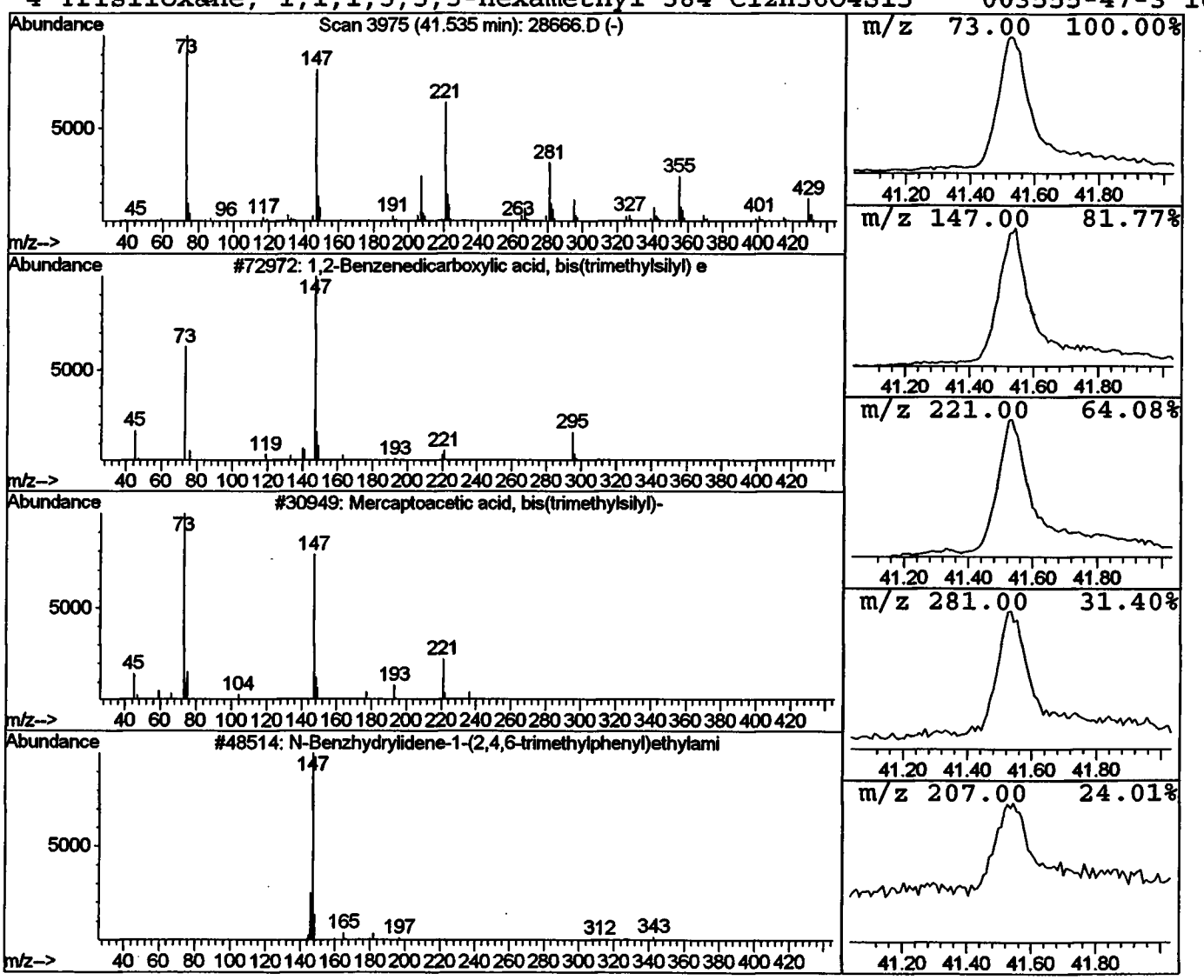
****

Peak Number 5 1,2-Benzenedicarboxylic acid, Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.53	6.92 ug/l	727317	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	23
3	N-Benzhydrylidene-1-(2,4,6-trimethy	343	C24H25NO	089839-57-6	22
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	16



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Misc :
MS Integration Params: LSCINT.P

Vial: 35
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Multiplr: 1.00

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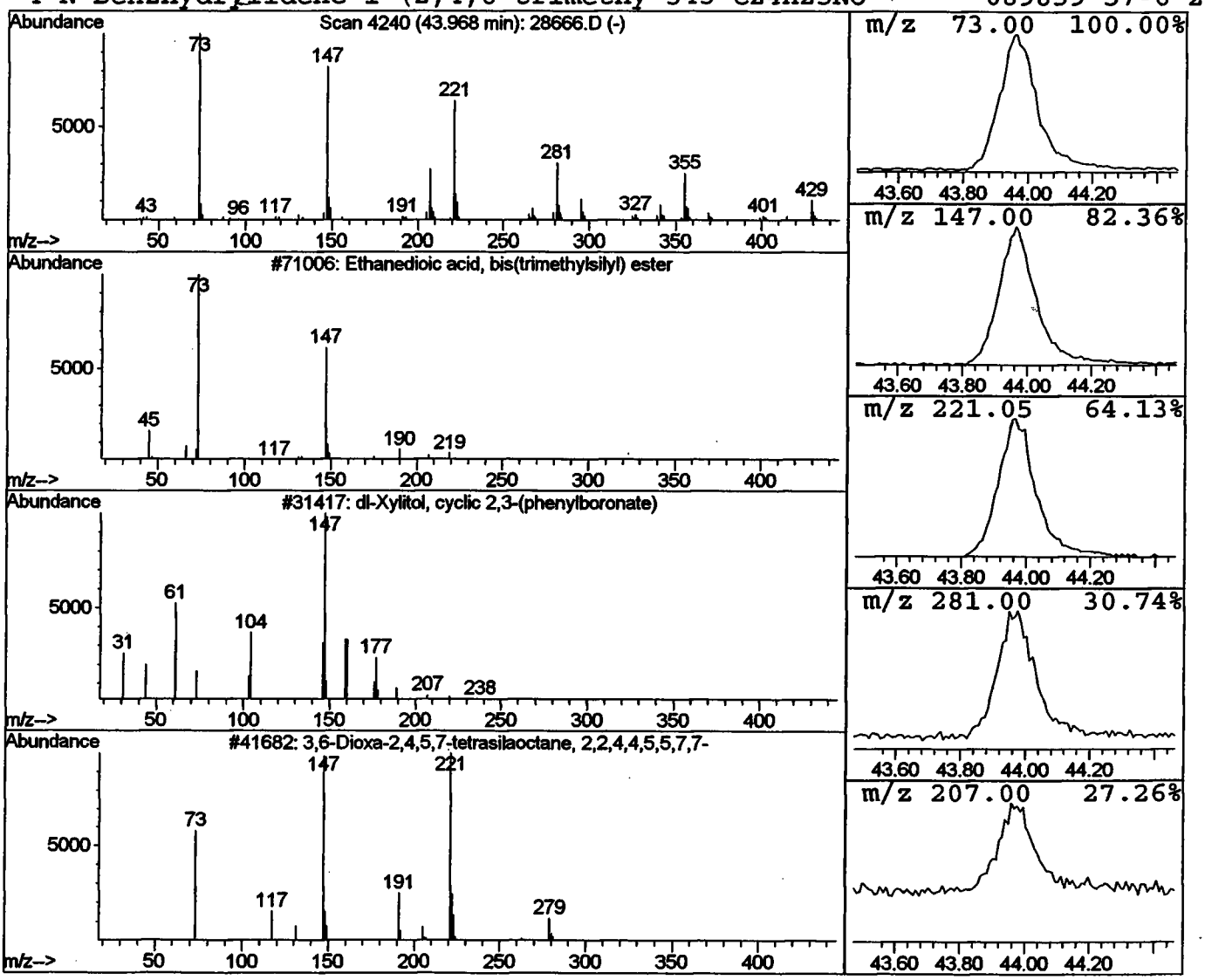
****

Peak Number 6 Ethanedioic acid, bis(trimethy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.97	7.47 ug/l	785222	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	27
2	dl-Xylitol, cyclic 2,3-(phenylboron	238	C11H15BO5	074793-46-7	27
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
4	N-Benzhydrylidene-1-(2,4,6-trimethy	343	C24H25NO	089839-57-6	22



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Acq On : 29 Nov 2001 8:26 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 35
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

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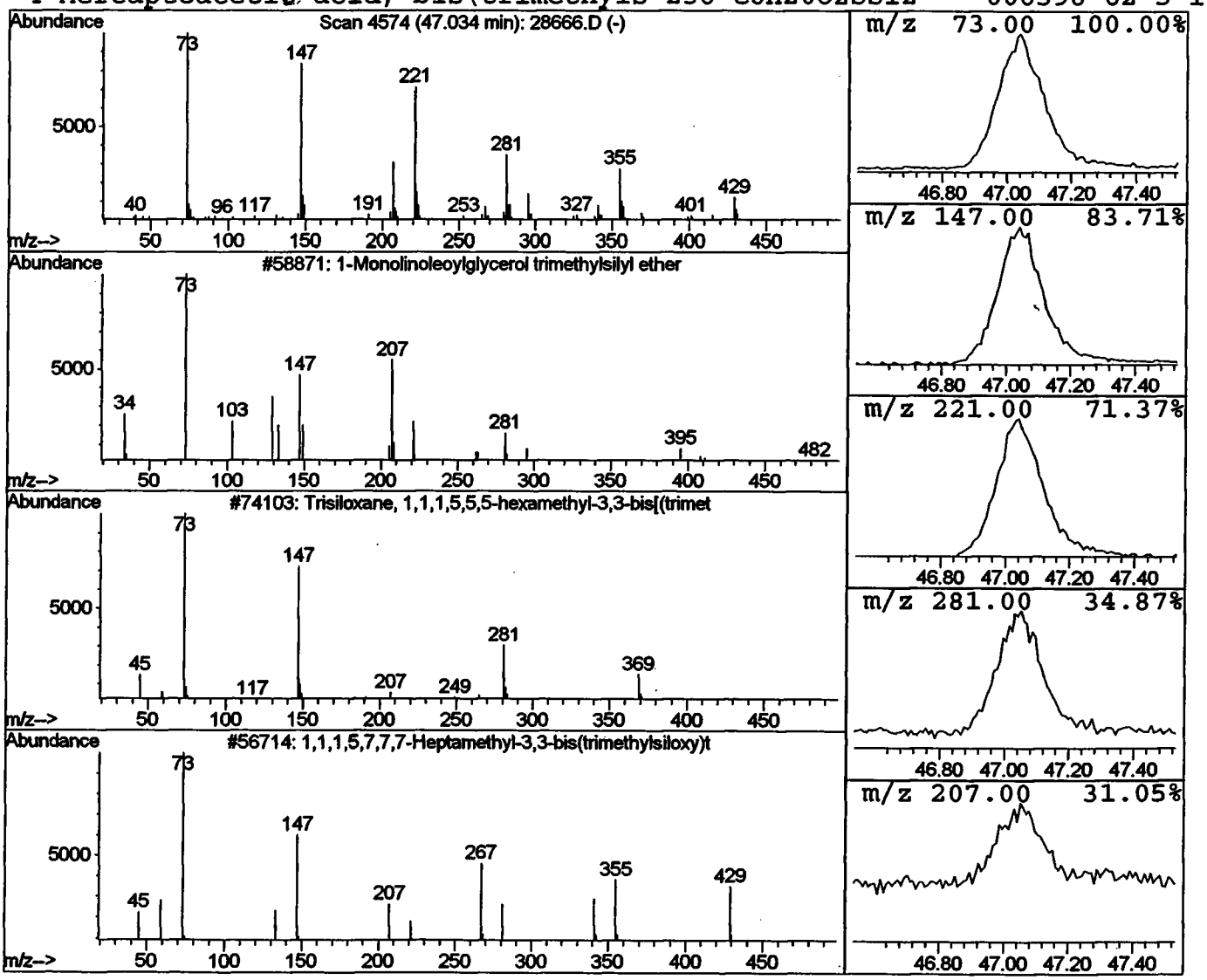
Peak Number 7 1-Monolinoleoylglycerol trimet Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.03	6.38 ug/l	670666	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Monolinoleoylglycerol trimethylsi	498	C27H54O4Si2	054284-45-6	28
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 8:26 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28666.D
Name: 11/23 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
1,4-Dichlorobenzene-	11.56	0.5	ug/l	101753	ISTD01	11.70	4170440	20.0
3,6-Dioxa-2,4,5,7-te	36.72	1.2	ug/l	126242	ISTD06	37.11	2102600	20.0
1,3-Benzodioxole, 5-	38.02	2.3	ug/l	243146	ISTD06	37.11	2102600	20.0
3,6-Dioxa-2,4,5,7-te	39.60	3.9	ug/l	407560	ISTD06	37.11	2102600	20.0
1,2-Benzenedicarboxy	41.53	6.9	ug/l	727317	ISTD06	37.11	2102600	20.0
Ethanedioic acid, bi	43.97	7.5	ug/l	785222	ISTD06	37.11	2102600	20.0
1-Monolinoleoylglyce	47.03	6.4	ug/l	670666	ISTD06	37.11	2102600	20.0

28666.D GCMS1126.M Fri Nov 30 16:22:11 2001