Comments for Sample AD28479 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:43:30

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 86%. 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\NOV2601\28479.D Vial: 7
Acq On : 27 Nov 2001 11:09 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:11 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 : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.69	152	750121	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	2848865	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1367527	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	1859973	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	969834	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	682731	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	94817	4.28	ug/mL	0.00
Spiked Amount 5.000			Recovery = 85.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.22	74	114	N.D.		
4) Phenol	0.00	94	0	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	0.00	77	0	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	15.36	128	6656	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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Misc : Multiplr: 1.00
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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

	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	20.98	165	279	N.D.	
38)	Diethylphthalate	22.09	149	367	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	24.99	178	628	N.D.	
49)	Anthracene	24.99	178	628	N.D.	
50)	Di-n-butylphthalate	27.01	149	4195	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	33.03	228	2378	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	2215	N.D.	
58)	Chrysene	33.10	228	237	N.D.	
60)	Di-n-Octylphthalate	35.05	149	402	N.D.	
61)	Benzo(b)fluoranthene	36.09	252	637	N.D.	
62)	Benzo(k)fluoranthene	36.14	252	748	N.D.	
63)	Benzo(a)pyrene	36.94	252	508	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	0.00	276	0	N.D.	

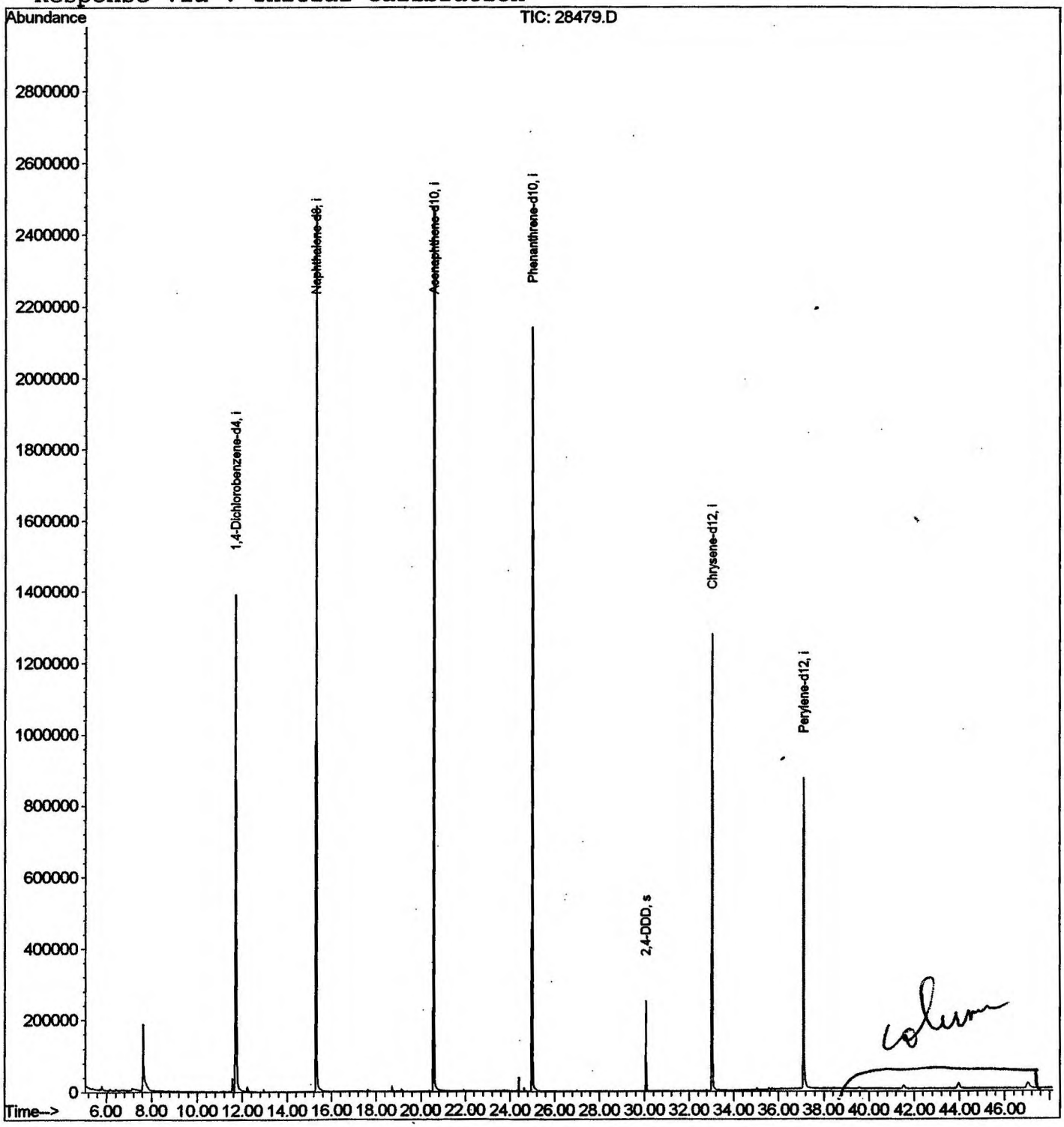
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:11 2001

Vial: 7
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\NOV2601\28479.D Vial: 7
Acq On : 27 Nov 2001 11:09 pm Operator: 209 GALOS
Sample : 11/23 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

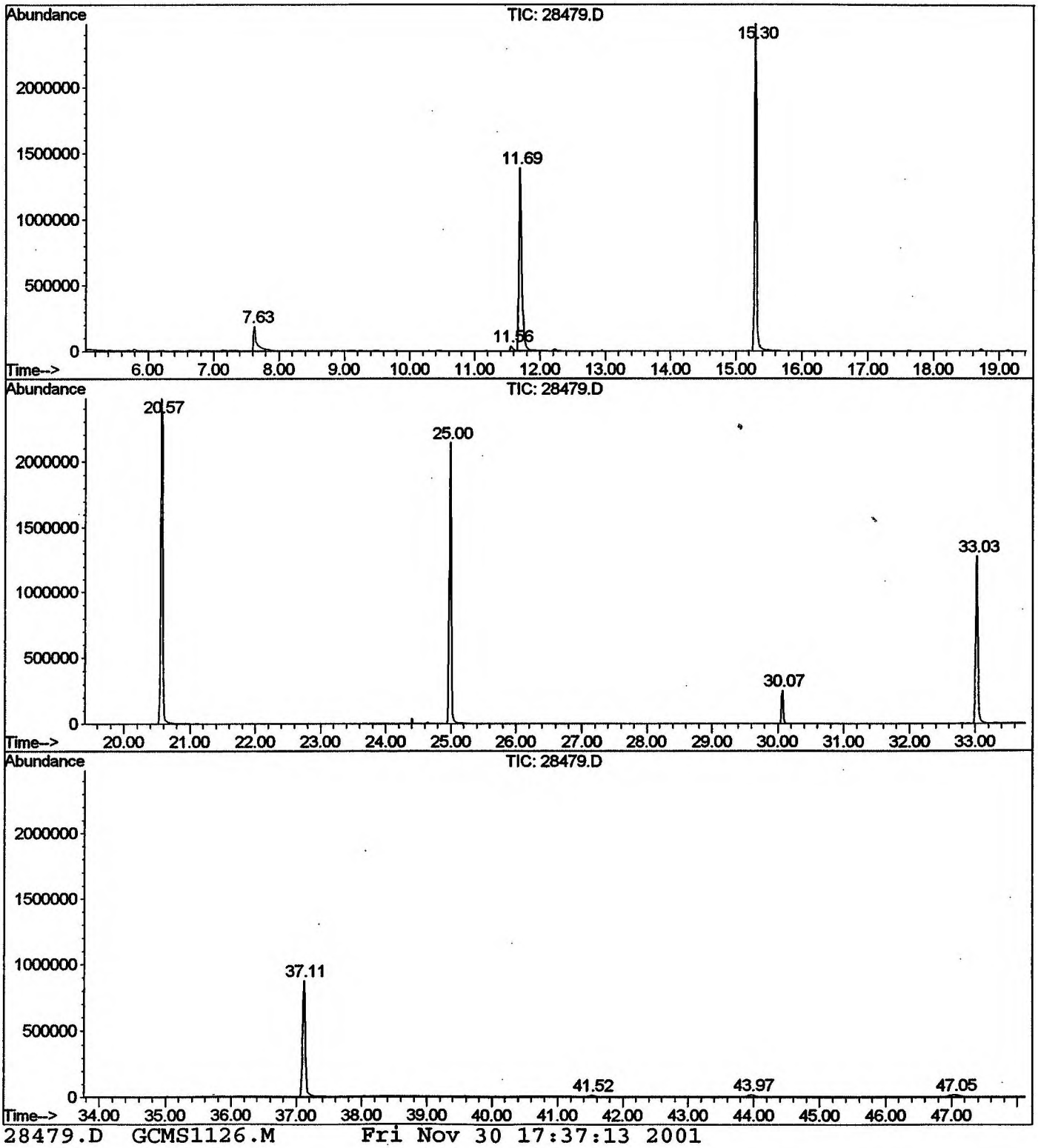
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.626	277	281	298	rBV	182153	580912	10.82%	2.222%
2	11.565	706	710	719	rBV	36361	99236	1.85%	0.380%
3	11.693	719	724	746	rBV	1387251	3899155	72.64%	14.917%
4	15.301	1111	1117	1133	rBV	2479408	5224502	97.32%	19.987%
5	20.570	1685	1691	1710	rBV	2475838	5368124	100.00%	20.537%
6	24.995	2166	2173	2186	rBV2	2138547	4695856	87.48%	17.965%
7	30.072	2720	2726	2734	rBV	250628	499703	9.31%	1.912%
8	33.028	3041	3048	3061	rBV2	1277158	3054636	56.90%	11.686%
9	37.113	3486	3493	3510	rBV2	867270	2441086	45.47%	9.339%
10	41.520	3965	3973	3983	rBV7	10433	55491	1.03%	0.212%
11	43.971	4228	4240	4256	rVB6	14831	102470	1.91%	0.392%
12	47.046	4561	4575	4583	rBV6	14746	118068	2.20%	0.452%

Sum of corrected areas: 26139239

28479.D GCMS1126.M Fri Nov 30 17:37:10 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 11:09 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 7
Quant File :GCMS1126.RES (RTE Integrator)



28479.D GCMS1126.M Fri Nov 30 17:37:13 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

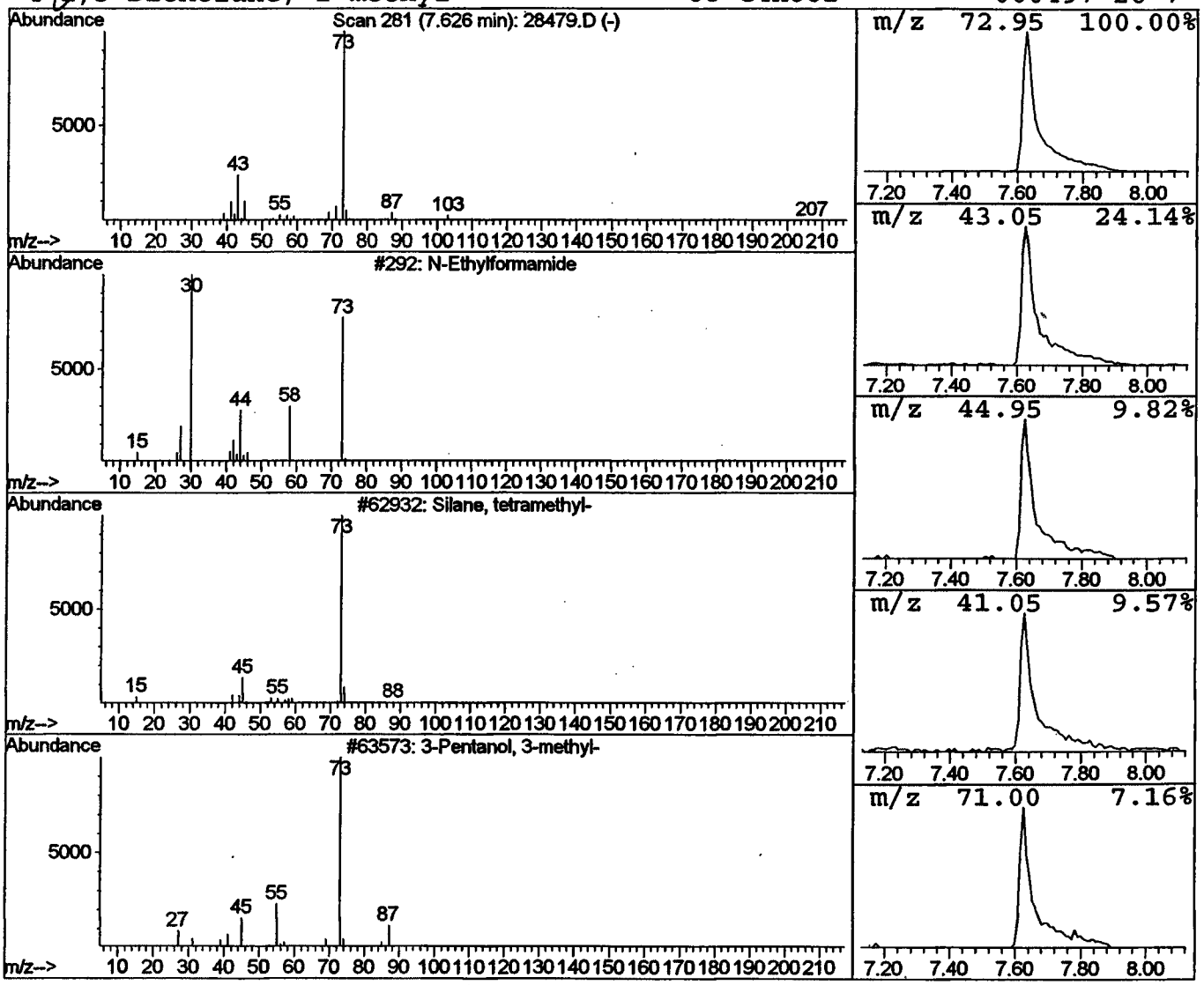
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	2.98 ug/l	580912	1,4-Dichlorobenzene-d4	11.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

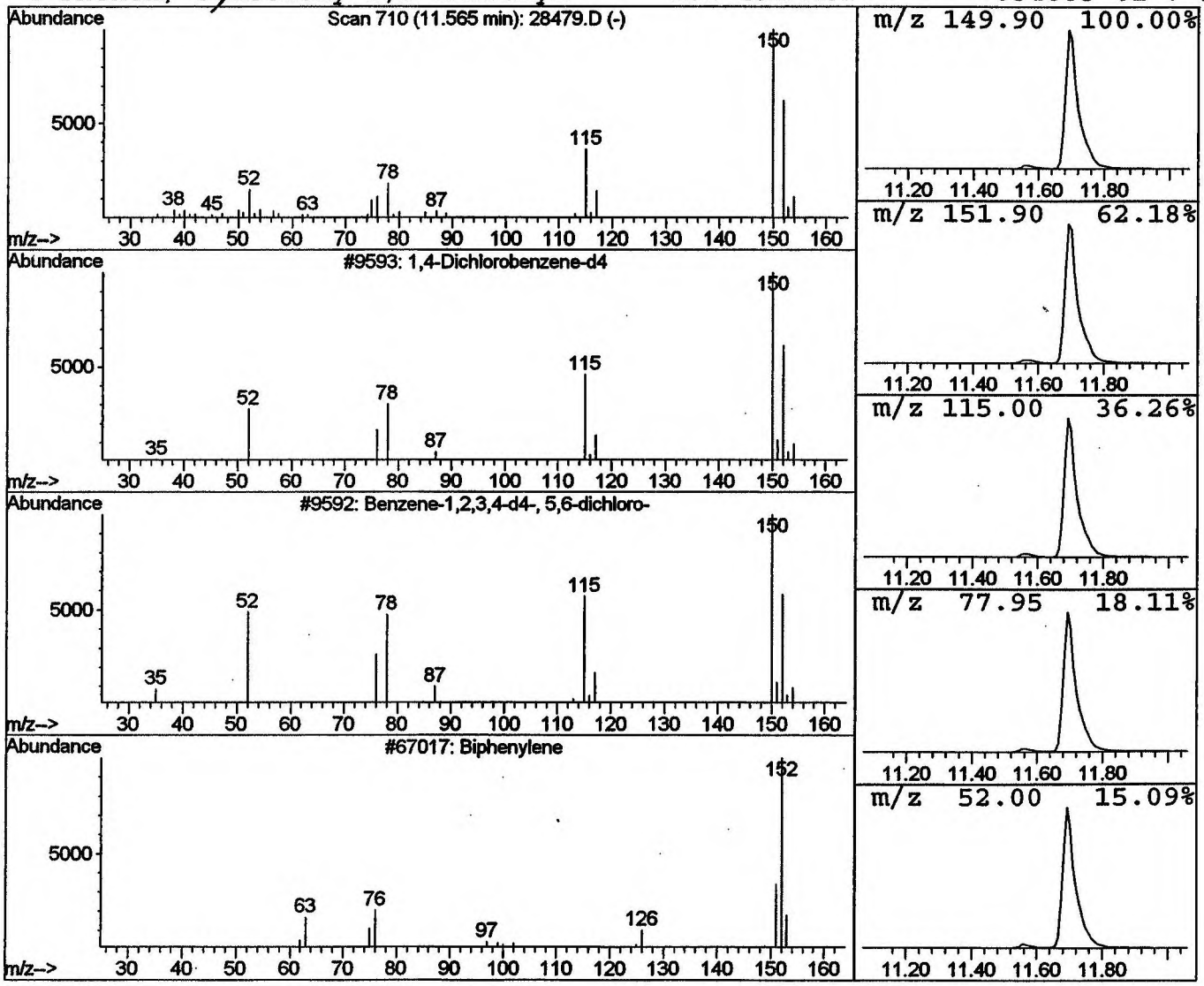
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.51 ug/l	99236	1,4-Dichlorobenzene-d4	11.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	47
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	10
3	Biphenylene	152	C12H8	000259-79-0	9
4	Phenol, 5-methoxy-2,3-dimethyl-	152	C9H12O2	034883-01-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

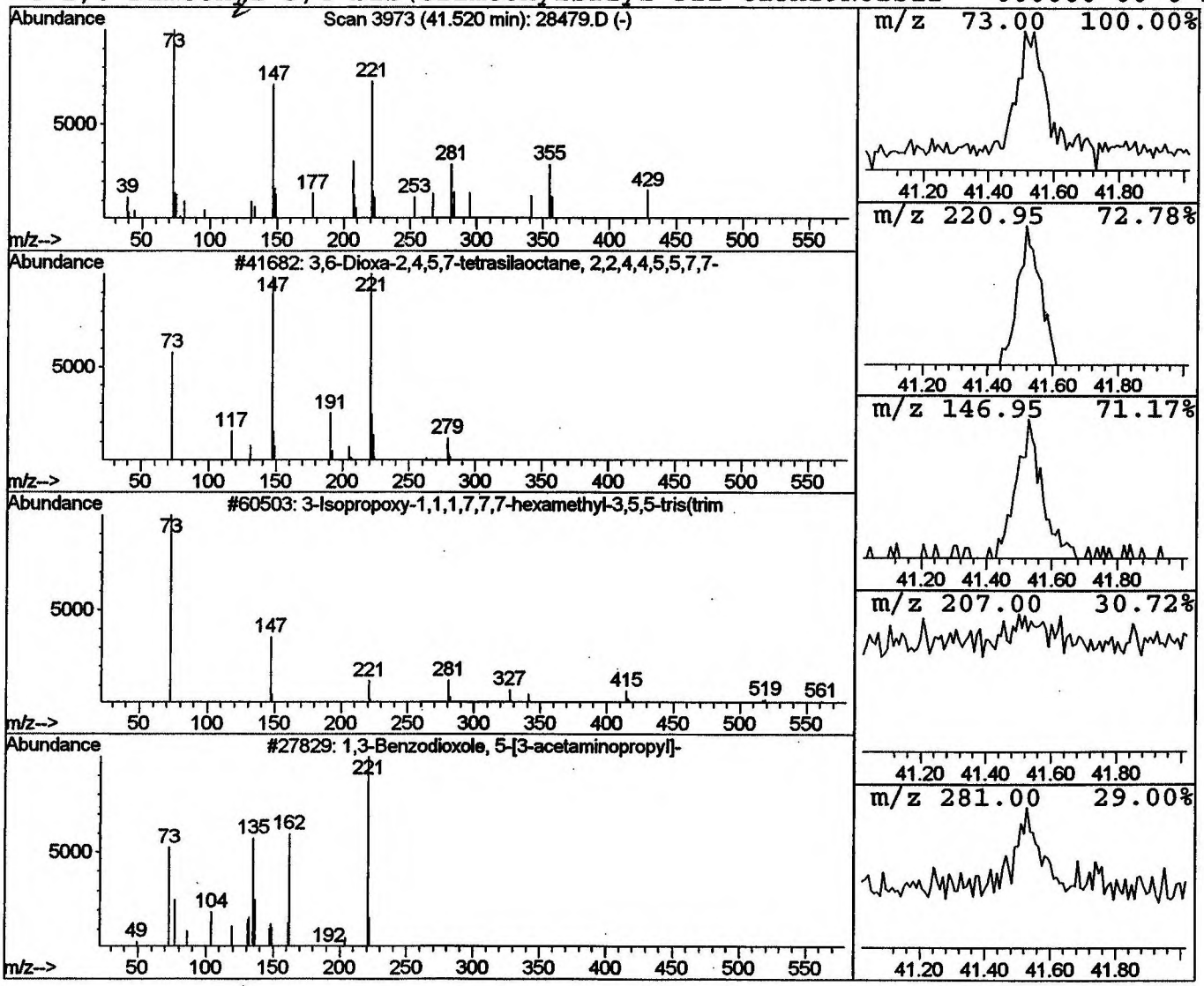
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.52	0.45 ug/l	55491	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	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
3	1,3-Benzodioxole, 5-[3-acetaminopro	221	C12H15NO3	000000-00-0	14
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	12



Library Search Compound Report

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Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

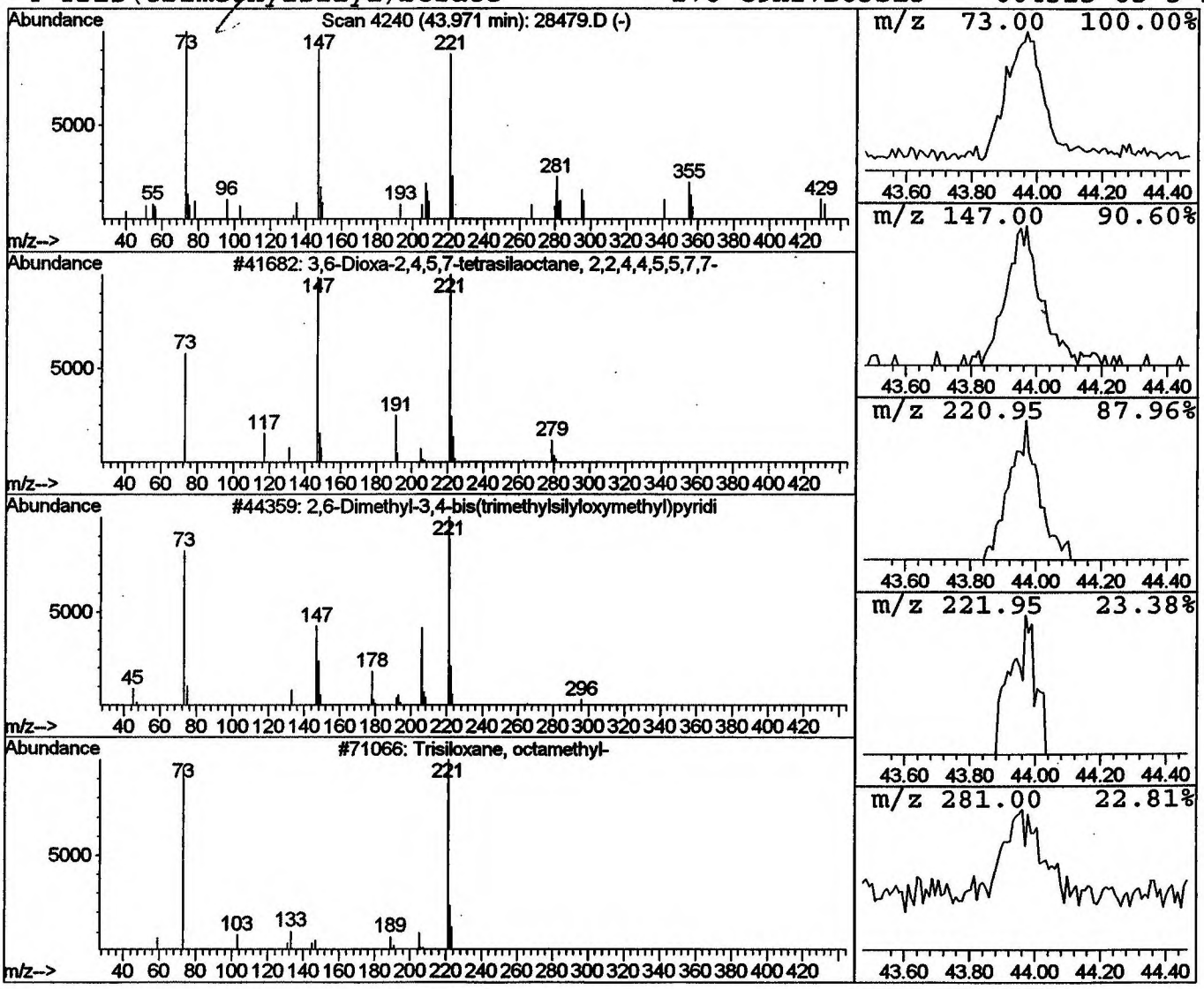
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.97	0.84 ug/l	102470	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	50
2	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	25
3	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	12
4	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28479.D
Acq On : 27 Nov 2001 11:09 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

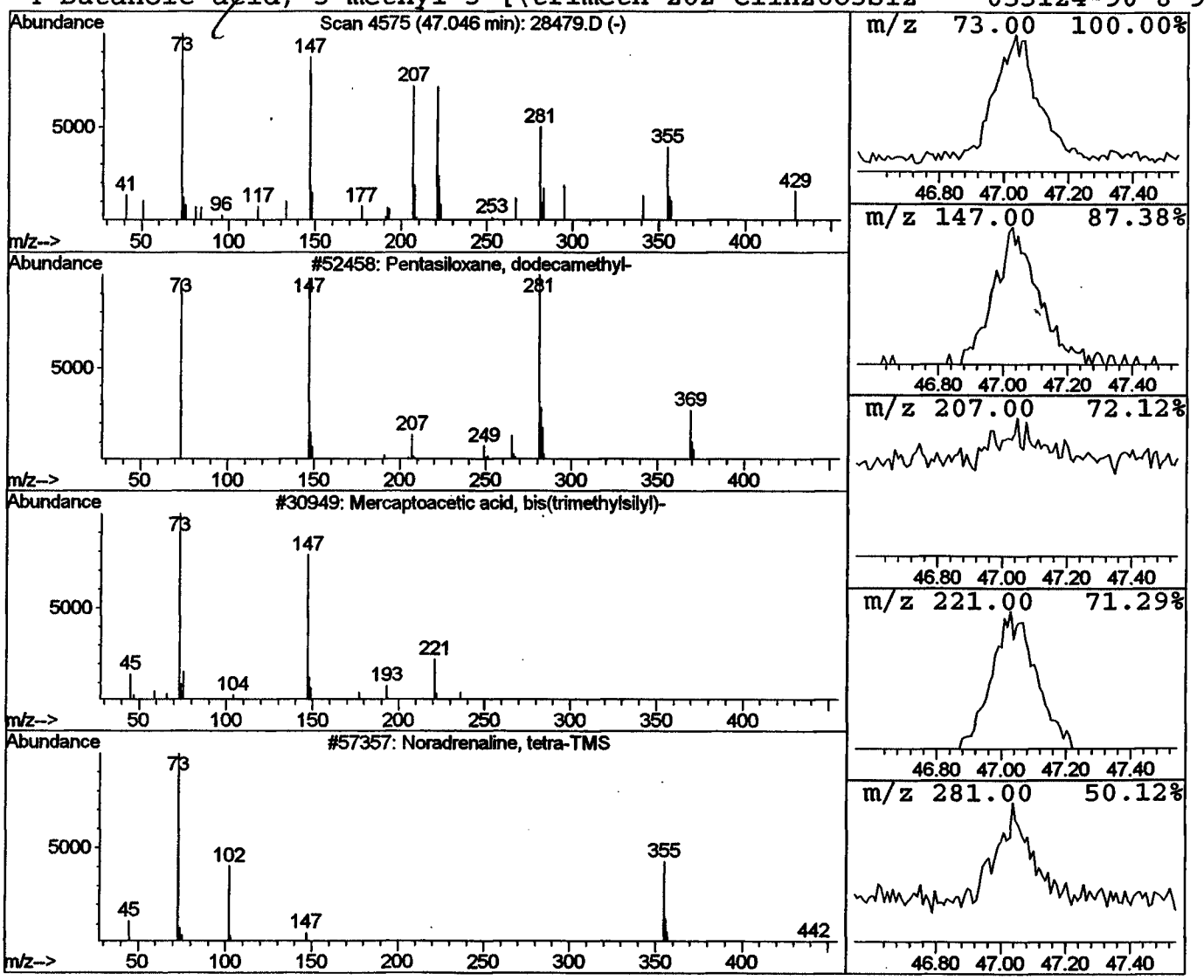
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Pentasiloxane, dodecamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.05	0.97 ug/l	118068	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	10
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	10
3	Noradrenaline, tetra-TMS	457	C20H43NO3Si4	000000-00-0	10
4	Butanoic acid, 3-methyl-3-[(trimeth	262	C11H26O3Si2	055124-90-8	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 11:09 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28479.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
N-Ethylformamide	7.63	3.0	ug/l	580912	ISTD01	11.69	3899160	20.0
1,4-Dichlorobenzene-	11.56	0.5	ug/l	99236	ISTD01	11.69	3899160	20.0
3,6-Dioxa-2,4,5,7-te	41.52	0.5	ug/l	55491	ISTD06	37.11	2441090	20.0
3,6-Dioxa-2,4,5,7-te	43.97	0.8	ug/l	102470	ISTD06	37.11	2441090	20.0
Pentasiloxane, dodec	47.05	1.0	ug/l	118068	ISTD06	37.11	2441090	20.0

28479.D GCMS1126.M Fri Nov 30 17:37:26 2001