User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/30/2001 Time: 11:49:35

Sample: AD28428
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/21/01 10:33 Ended: 11/26/01 10:33 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD28428 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-03-2001 Time: 12:21:23

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 68%. Recoveries for 41 of the 44 compounds in the LSC Standard were outside of EPA 625 acceptance ranges, soon however, GCMS method acceptance ranges will be established and used instead.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D Vial: 28
Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:35 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	889341	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3329764	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1578270	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2079558	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	938387	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	601881	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	84070	3.40	ug/mL	0.00
Spiked Amount 5.000			Recovery = 68.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.12	74	1723	N.D.		
4) Phenol	11.13	94	105	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	0.00	128	0	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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D Vial: 28
Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:35 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

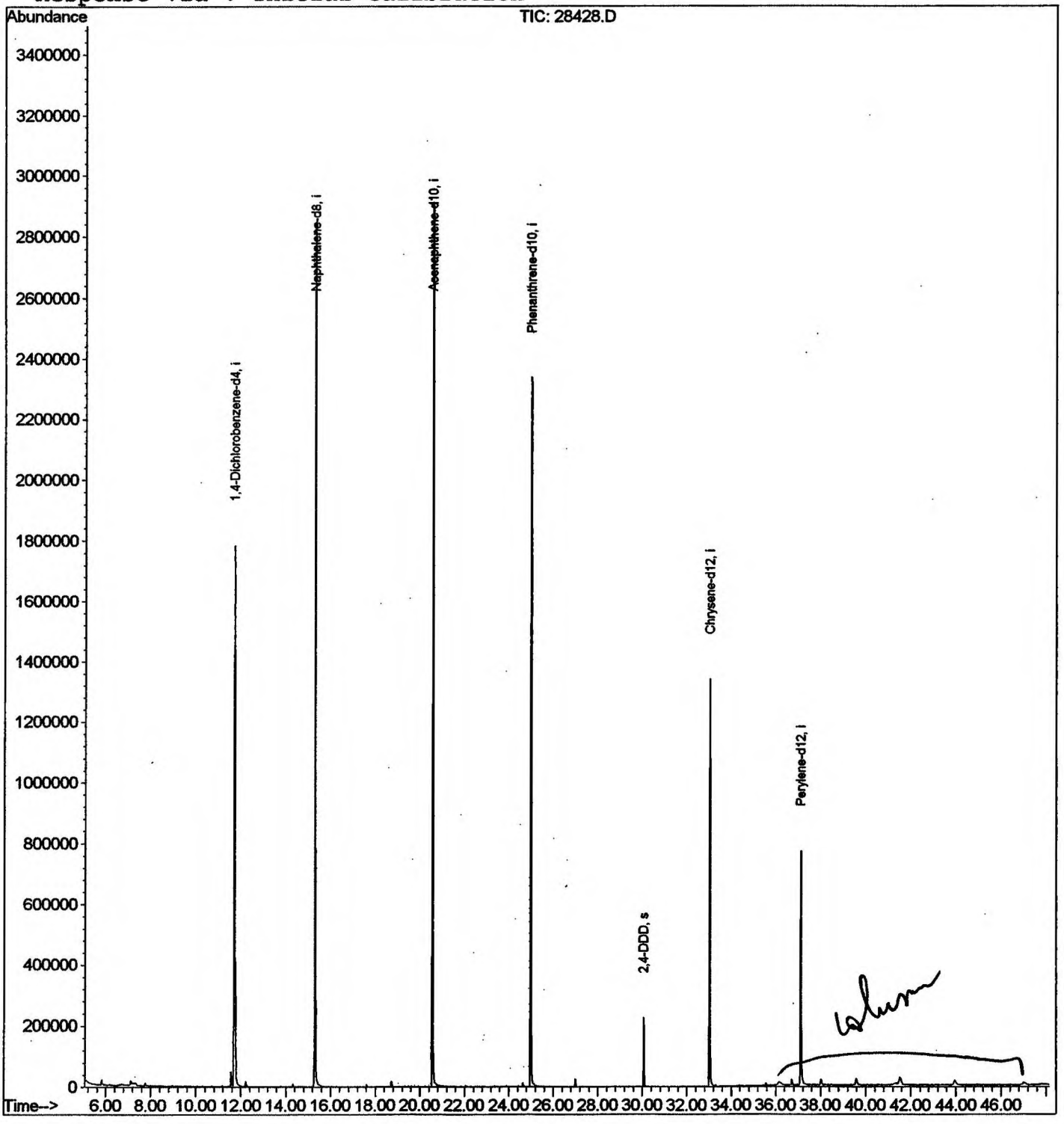
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	20.57	153	198	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	20.96	165	620	N.D.	
38) Diethylphthalate	22.09	149	659	N.D.	
39) 4-Chlorophenyl-phenylether	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	25.00	178	715	N.D.	
49) Anthracene	25.00	178	715	N.D.	
50) Di-n-butylphthalate	27.00	149	31638	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	2350	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.31	149	2996	N.D.	
58) Chrysene	33.10	228	202	N.D.	
60) Di-n-Octylphthalate	35.03	149	284	N.D.	
61) Benzo(b)fluoranthene	36.08	252	214	N.D.	
62) Benzo(k)fluoranthene	36.15	252	495	N.D.	
63) Benzo(a)pyrene	36.94	252	224	N.D.	
64) Indeno(1,2,3-cd)pyrene	40.83	276	355	N.D.	
65) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66) Benzo(g,h,i)perylene	41.95	276	1119	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D Vial: 28
Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:35 2001 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\28428.D Vial: 28
Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 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

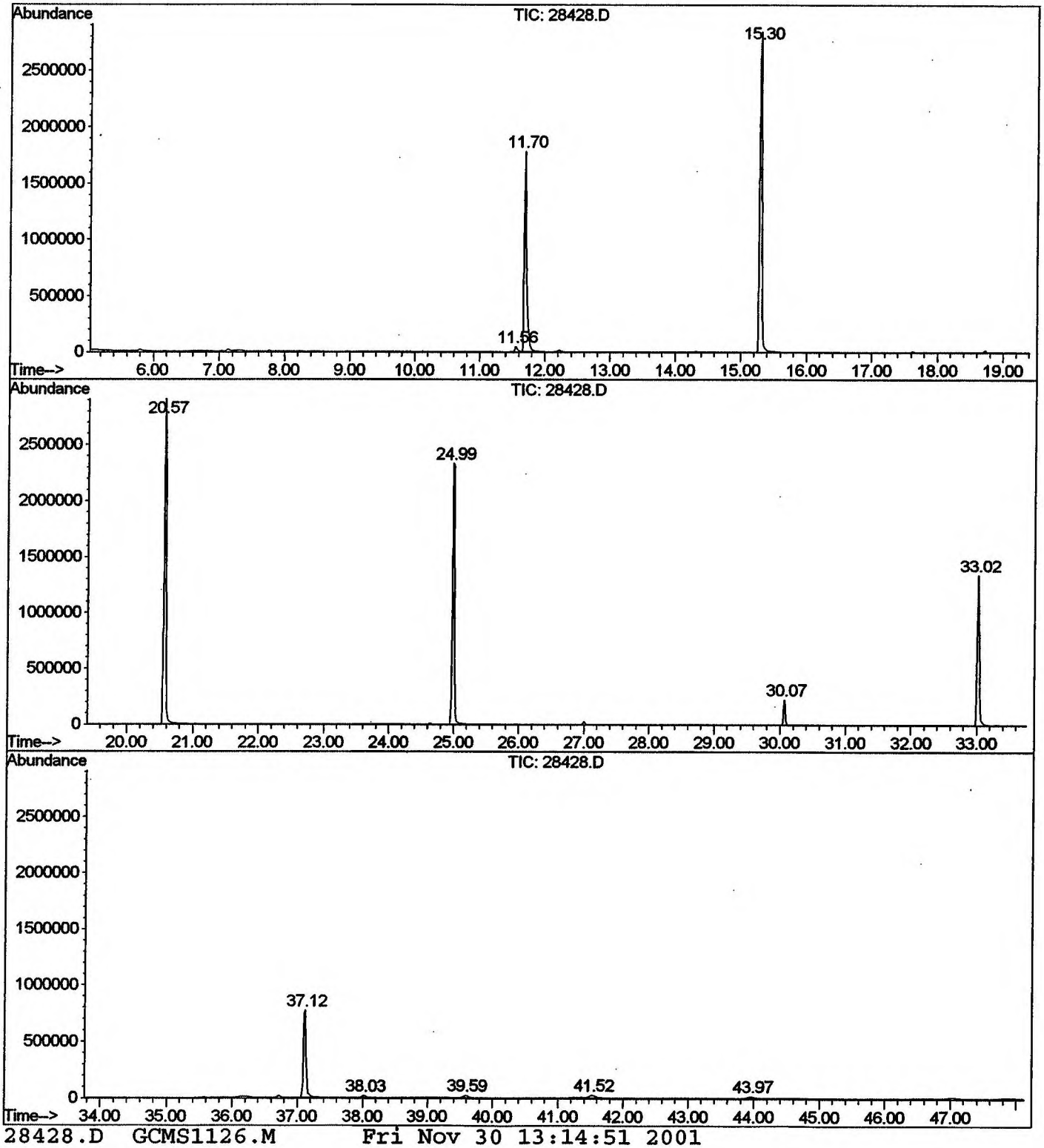
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.559	707	710	720	rBV	46010	114919	1.85%	0.407%
2	11.697	720	725	744	rBV	1780111	4630929	74.52%	16.386%
3	15.304	1112	1118	1136	rBV	2844768	6088099	97.97%	21.541%
4	20.574	1686	1692	1710	rBV	2910503	6213993	100.00%	21.987%
5	24.990	2167	2173	2187	rBV2	2337350	5270468	84.82%	18.648%
6	30.066	2721	2726	2738	rBV	224459	441897	7.11%	1.564%
7	33.022	3042	3048	3068	rBV2	1339359	2954772	47.55%	10.455%
8	37.117	3486	3494	3509	rBV2	766787	2147470	34.56%	7.598%
9	38.026	3585	3593	3600	rBV3	18419	70568	1.14%	0.250%
10	39.586	3755	3763	3772	rBV3	20678	93423	1.50%	0.331%
11	41.523	3966	3974	3989	rVB3	23677	143401	2.31%	0.507%
12	43.965	4229	4240	4255	rVB6	14498	92260	1.48%	0.326%

Sum of corrected areas: 28262199

28428.D GCMS1126.M Fri Nov 30 13:14:48 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28428.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 2:34 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/21 scan
Misc Info :
Vial Number: 28
Quant File :GCMS1126.RES (RTE Integrator)



28428.D GCMS1126.M Fri Nov 30 13:14:51 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D
Acq On : 29 Nov 2001 2:34 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 28
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

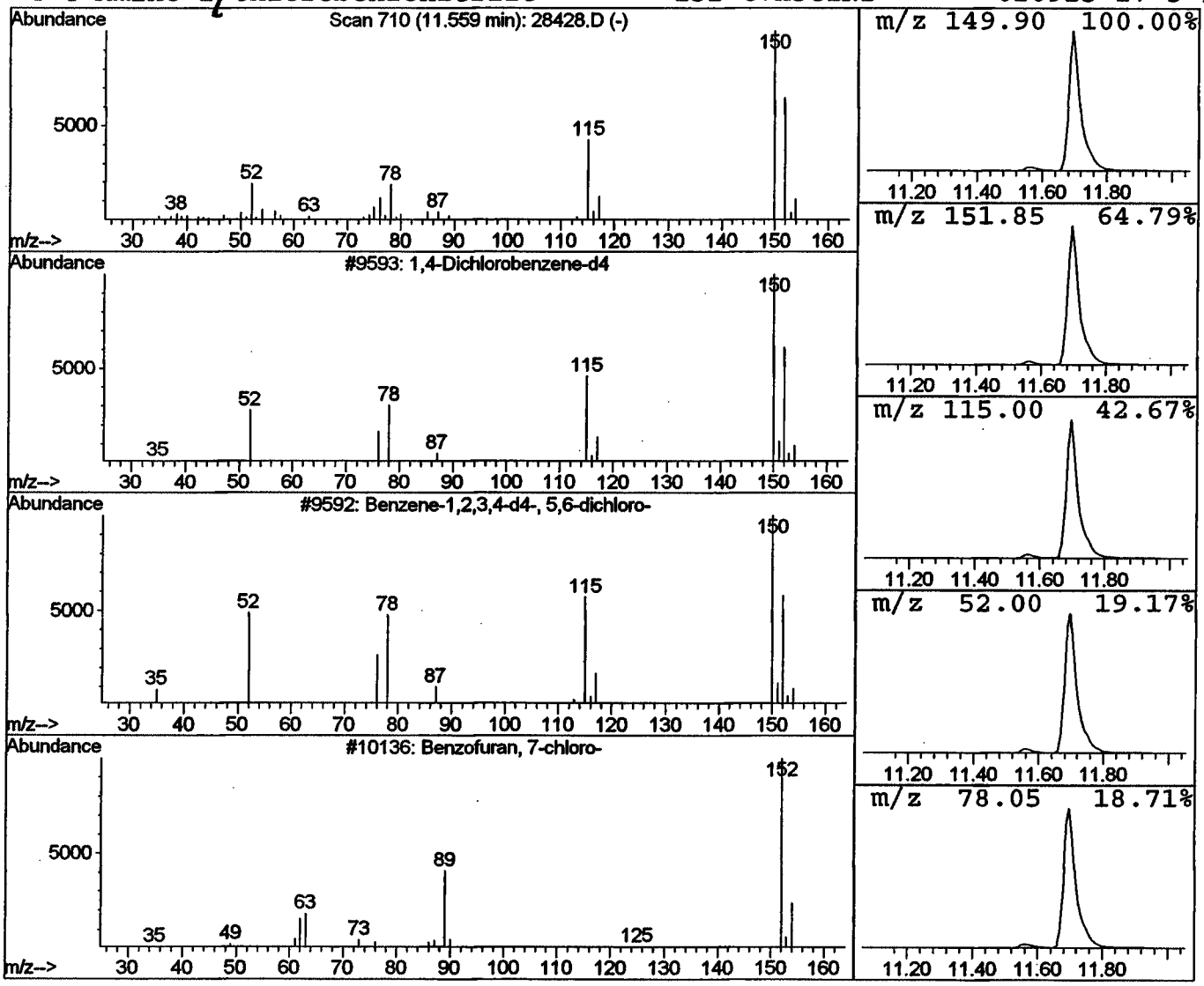
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.50 ug/l	114919	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	72
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	42
3	Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9
4	4-Amino-2-chlorobenzonitrile	152	C7H5ClN2	020925-27-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D
Acq On : 29 Nov 2001 2:34 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 28
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

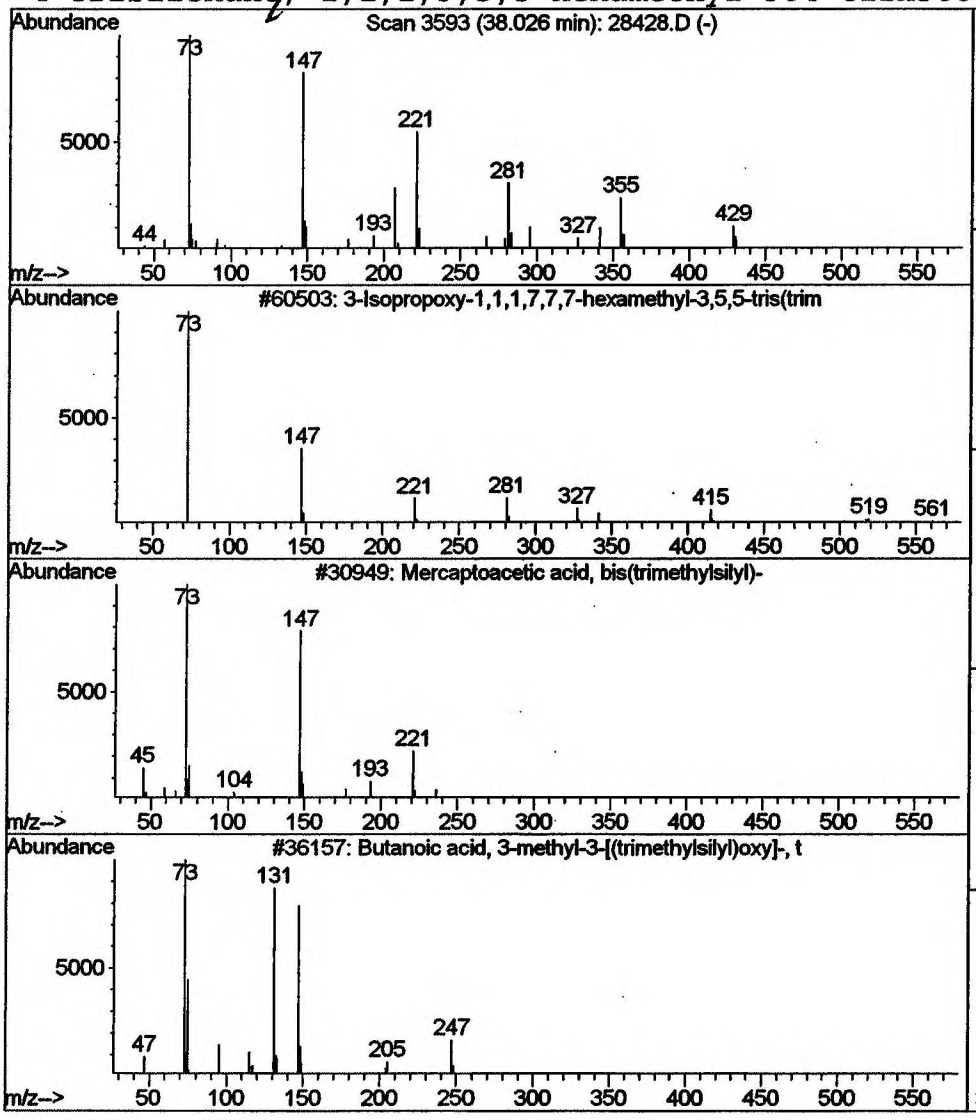
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.03	0.66 ug/l	70568	Perylene-d12	37.12

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	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	25
3	Butanoic acid, 3-methyl-3-[(trimeth	262	C11H26O3Si2	055124-90-8	10
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D
Acq On : 29 Nov 2001 2:34 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 28
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

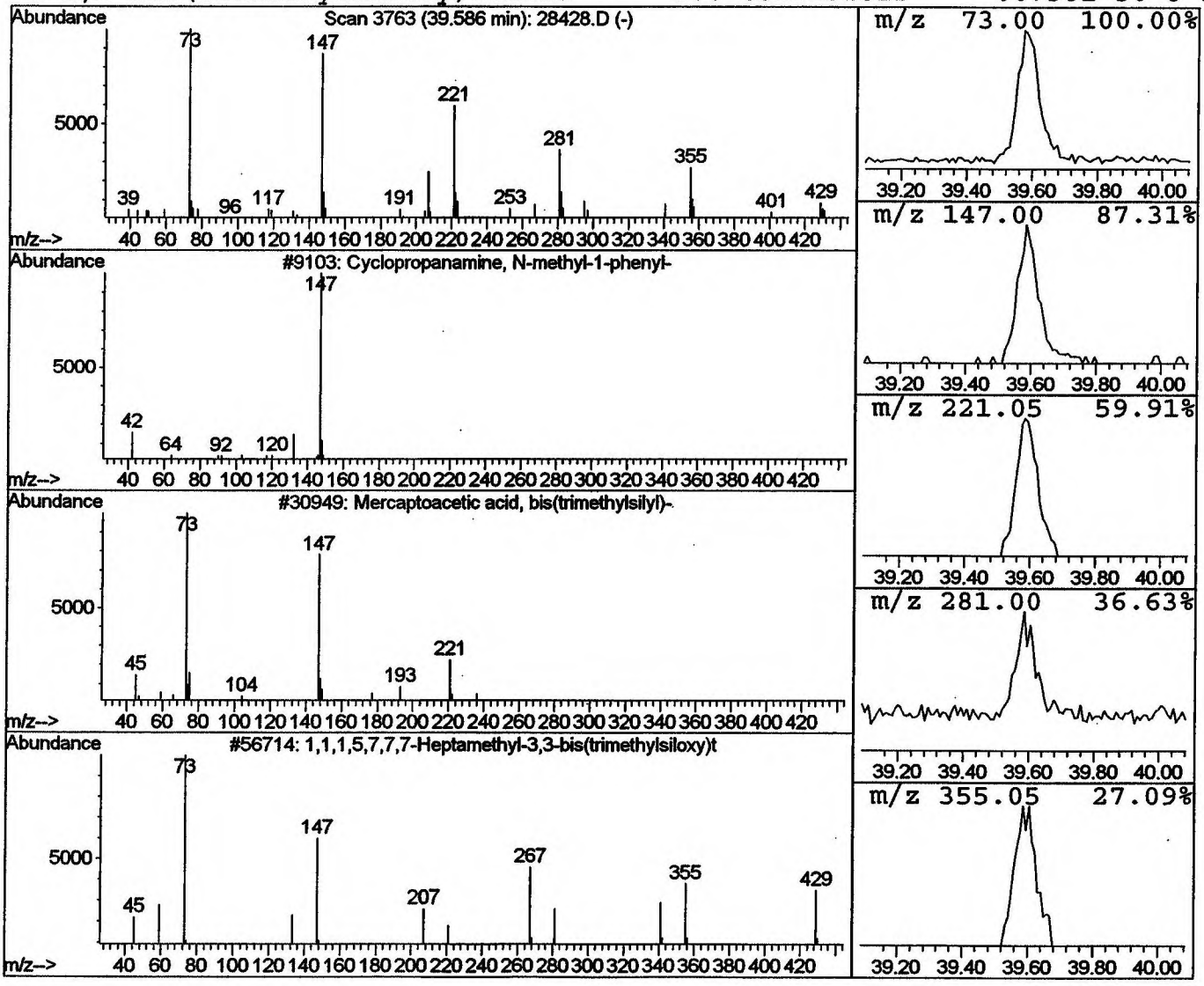
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclopropanamine, N-methyl-1-p Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.59	0.87 ug/l	93423	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanamine, N-methyl-1-phenyl	147	C10H13N	056771-48-3	27
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	25
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	25
4	1,2-Bis(trimethylsiloxy)ethane	206	C8H22O2Si2	007381-30-8	16



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28428.D Vial: 28
Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

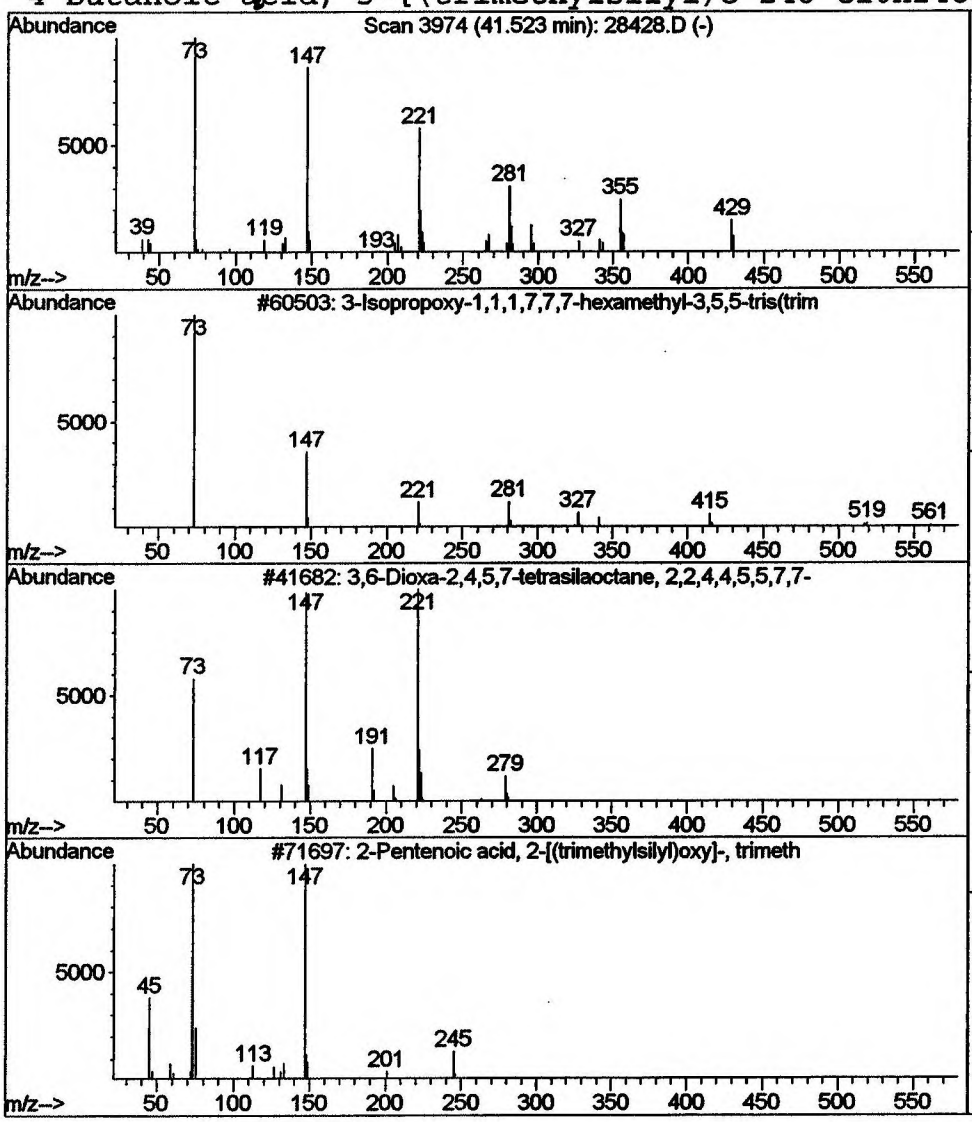
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

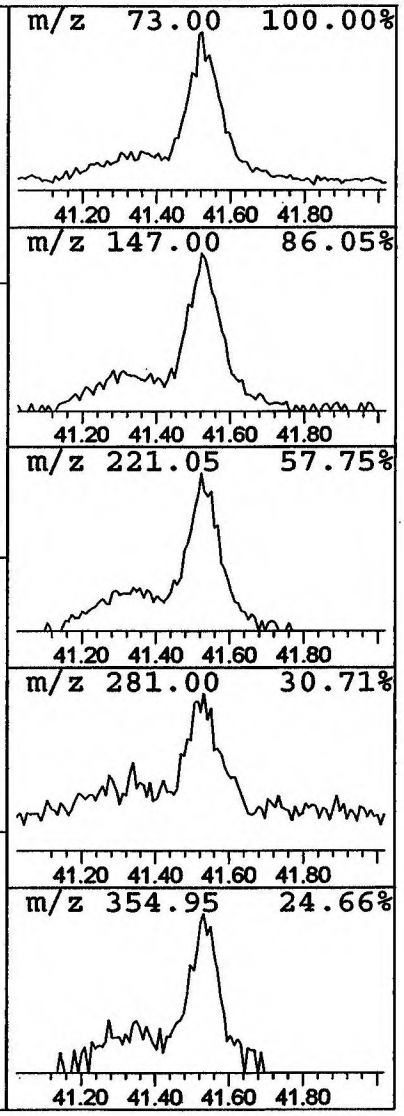
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.52	1.34 ug/l	143401	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
3	2-Pentenoic acid, 2-[(trimethylsily	260	C11H24O3Si2	055045-17-5	12
4	Butanoic acid, 3-[(trimethylsilyl)o	248	C10H24O3Si2	055133-94-3	12





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Acq On : 29 Nov 2001 2:34 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
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MS Integration Params: LSCINT.P

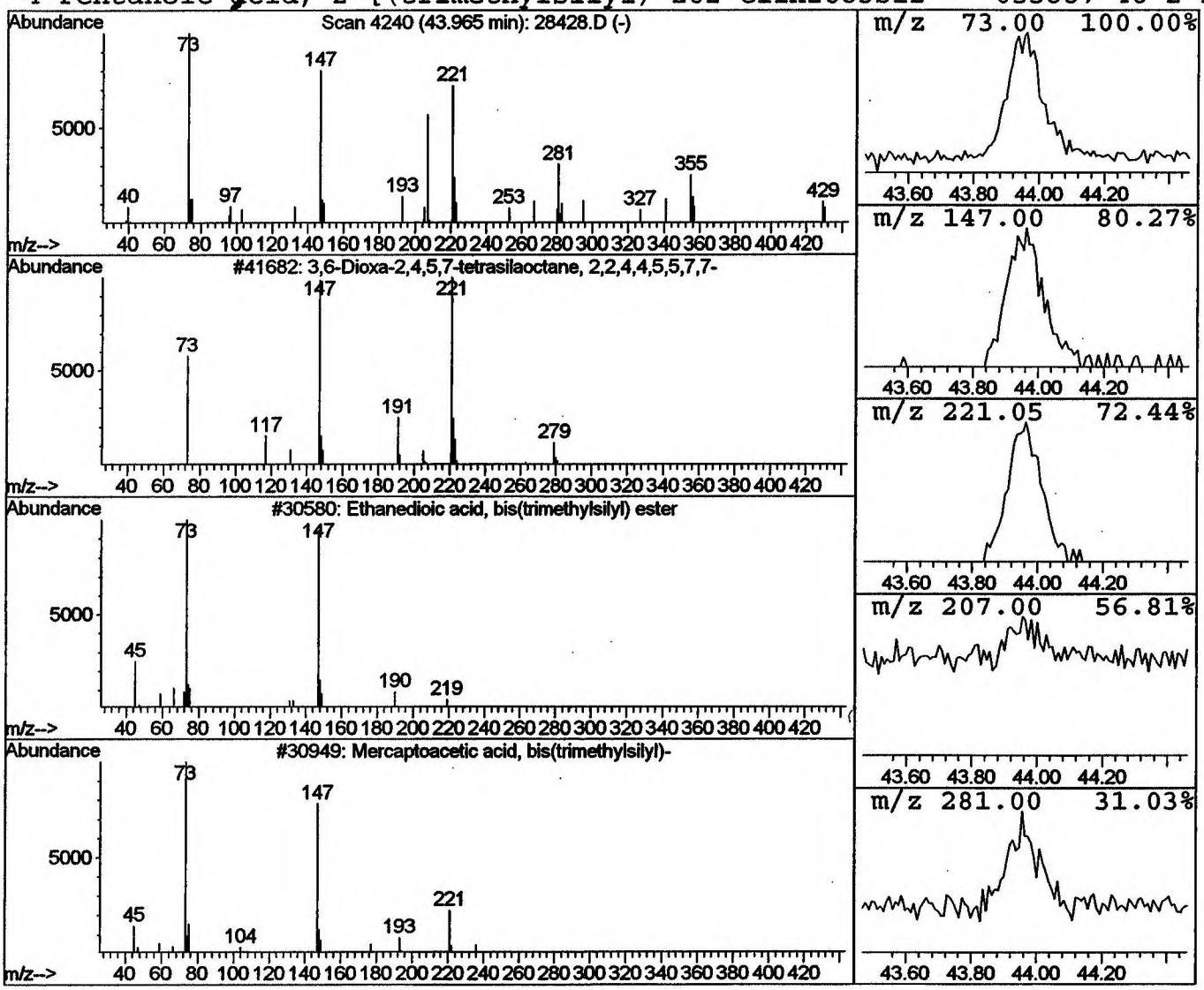
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.97	0.86 ug/l	92260	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	43
2	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	14
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: 209 GALOS Date Acquired: 29 Nov 2001 2:34 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28428.D
Name: 11/21 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	114919	ISTD01	11.70	4630930	20.0
3-Isopropoxy-1,1,1,7	38.03	0.7	ug/l	70568	ISTD06	37.12	2147470	20.0
Cyclopropanamine, N-	39.59	0.9	ug/l	93423	ISTD06	37.12	2147470	20.0
3-Isopropoxy-1,1,1,7	41.52	1.3	ug/l	143401	ISTD06	37.12	2147470	20.0
3,6-Dioxa-2,4,5,7-te	43.97	0.9	ug/l	92260	ISTD06	37.12	2147470	20.0

28428.D GCMS1126.M Fri Nov 30 13:15:04 2001