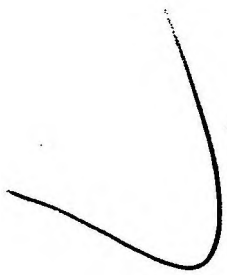
Comments for Sample AD28271 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-06-2001 Time: 14:06:00

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 39%. 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.

NOT DEP



User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/06/2001 Time: 12:02:06

Sample: AD28271
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/6/01 12:01 Ended: 12/6/01 12:01 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28271.D Vial: 26
Acq On : 27 Nov 2001 1:21 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 13:06:2001 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 : NP10301

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.69	152	878107	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3262058	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1565697	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2113227	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1061827	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	709829	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	49569	1.97	ug/mL	0.00
Spiked Amount 5.000			Recovery =	39.40%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	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	15.35	128	798	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)

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Acq On : 27 Nov 2001 1:21 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 13:06 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

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	20.97	165	178	N.D.	
38) Diethylphthalate	22.09	149	322	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	686	N.D.	
49) Anthracene	24.99	178	686	N.D.	
50) Di-n-butylphthalate	27.01	149	6070	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	2729	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.30	149	9962	N.D.	
58) Chrysene	33.03	228	2729	N.D.	
60) Di-n-Octylphthalate	35.03	149	1541	N.D.	
61) Benzo(b)fluoranthene	36.06	252	1480	N.D.	
62) Benzo(k)fluoranthene	36.13	252	1411	N.D.	
63) Benzo(a)pyrene	36.94	252	966	N.D.	
64) Indeno(1,2,3-cd)pyrene	40.86	276	455	N.D.	
65) Dibenz(a,h)anthracene	40.91	278	847	N.D.	
66) Benzo(g,h,i)perylene	41.91	276	1734	N.D.	

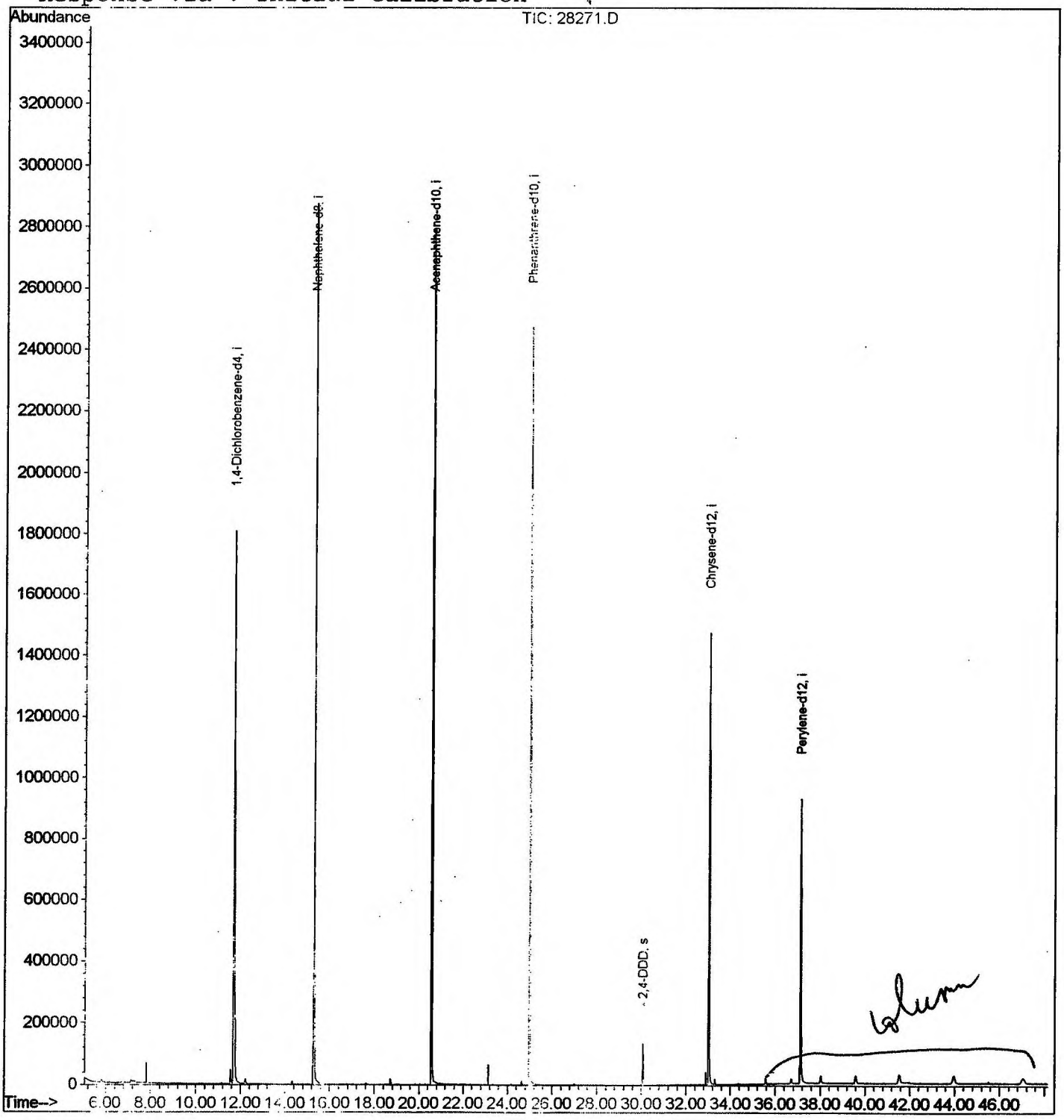
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28271.D
Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 13:06 2001

Vial: 26
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\28271.D Vial: 26
Acq On : 27 Nov 2001 1:21 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

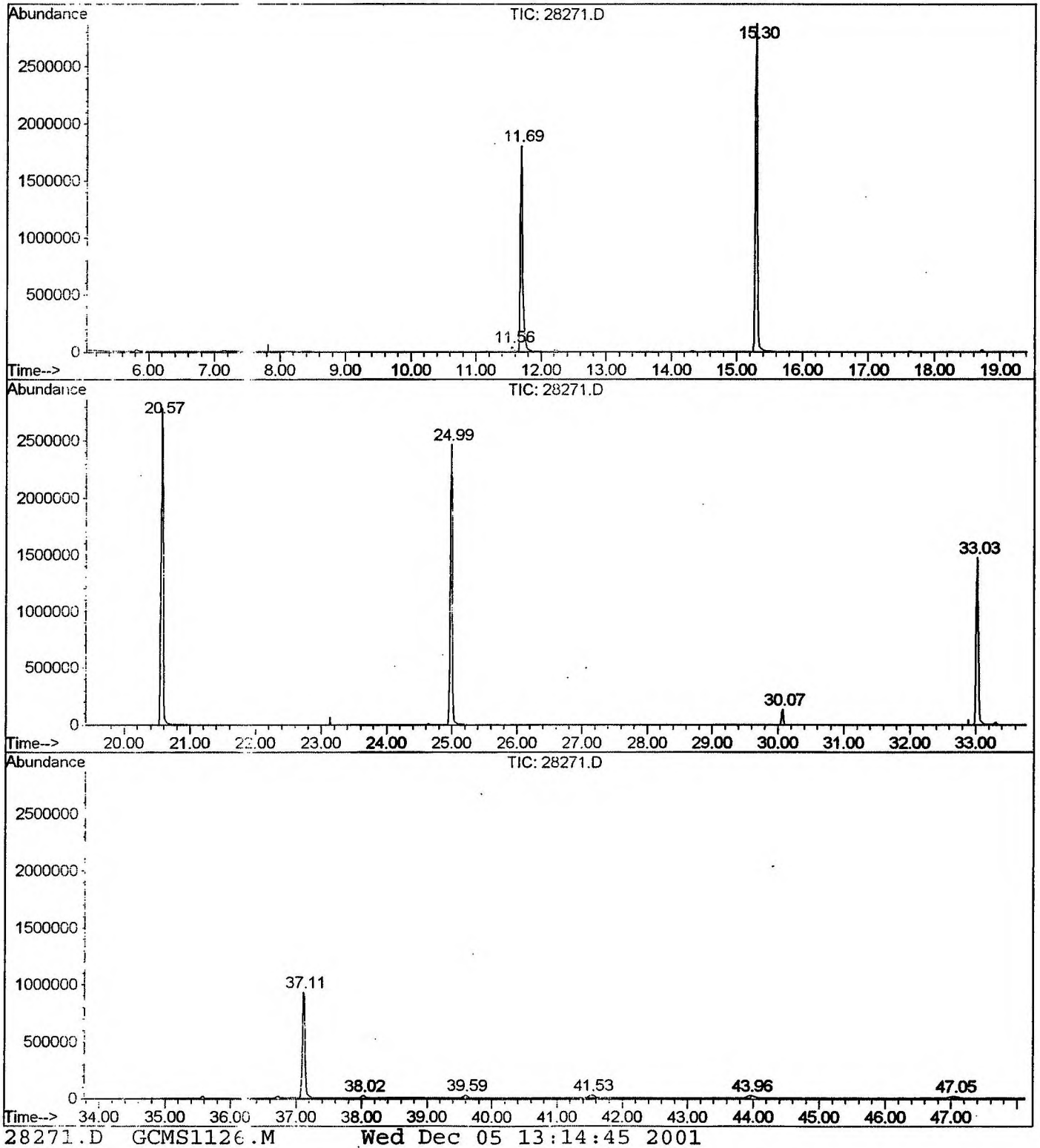
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.564	705	710	719	rBV	45865	116256	1.89%	0.402%
2	11.693	719	724	754	rVB	1805922	4576207	74.51%	15.841%
3	15.300	1111	1117	1135	rBV	2874326	5973684	97.27%	20.679%
4	20.570	1685	1691	1709	rBV	2791047	6141493	100.00%	21.260%
5	24.995	2166	2173	2186	rBV2	2470686	5339768	86.95%	18.485%
6	30.072	2721	2726	2734	rBV	133143	261878	4.26%	0.907%
7	33.028	3041	3048	3068	rBV2	1472752	3363014	54.76%	11.642%
8	37.113	3486	3493	3515	rBV2	924315	2570881	41.86%	8.900%
9	38.022	3584	3592	3598	rBV2	24017	83920	1.37%	0.291%
10	39.592	3755	3763	3773	rBV4	24683	108140	1.76%	0.374%
11	41.529	3963	3974	3985	rBV3	27870	163900	2.67%	0.567%
12	43.961	4225	4239	4240	rBV2	24598	97747	1.59%	0.338%
13	47.046	4570	4575	4588	rVB2	14383	90684	1.48%	0.314%

Sum of corrected areas: 28887572

28271.D GCMS1126.M Wed Dec 05 13:14:42 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28271.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 1:21 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/21 scan
Misc Info :
Vial Number: 26
Quant File :GCMS1126.RES (RTE Integrator)



28271.D GCMS1126.M Wed Dec 05 13:14:45 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28271.D
Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 26
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

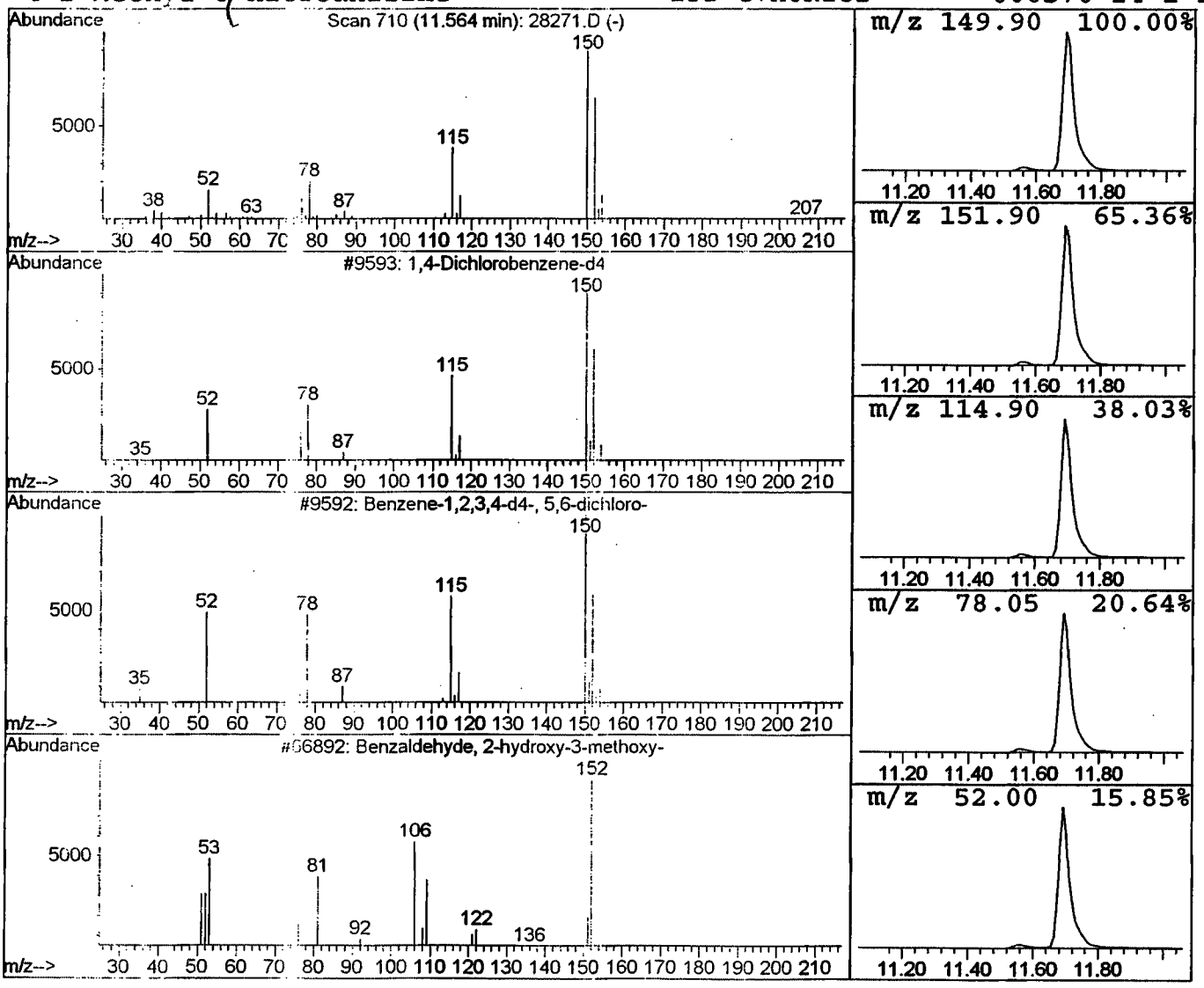
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.51 ug/l	116256	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	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	17
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14
4	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28271.D
Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 26
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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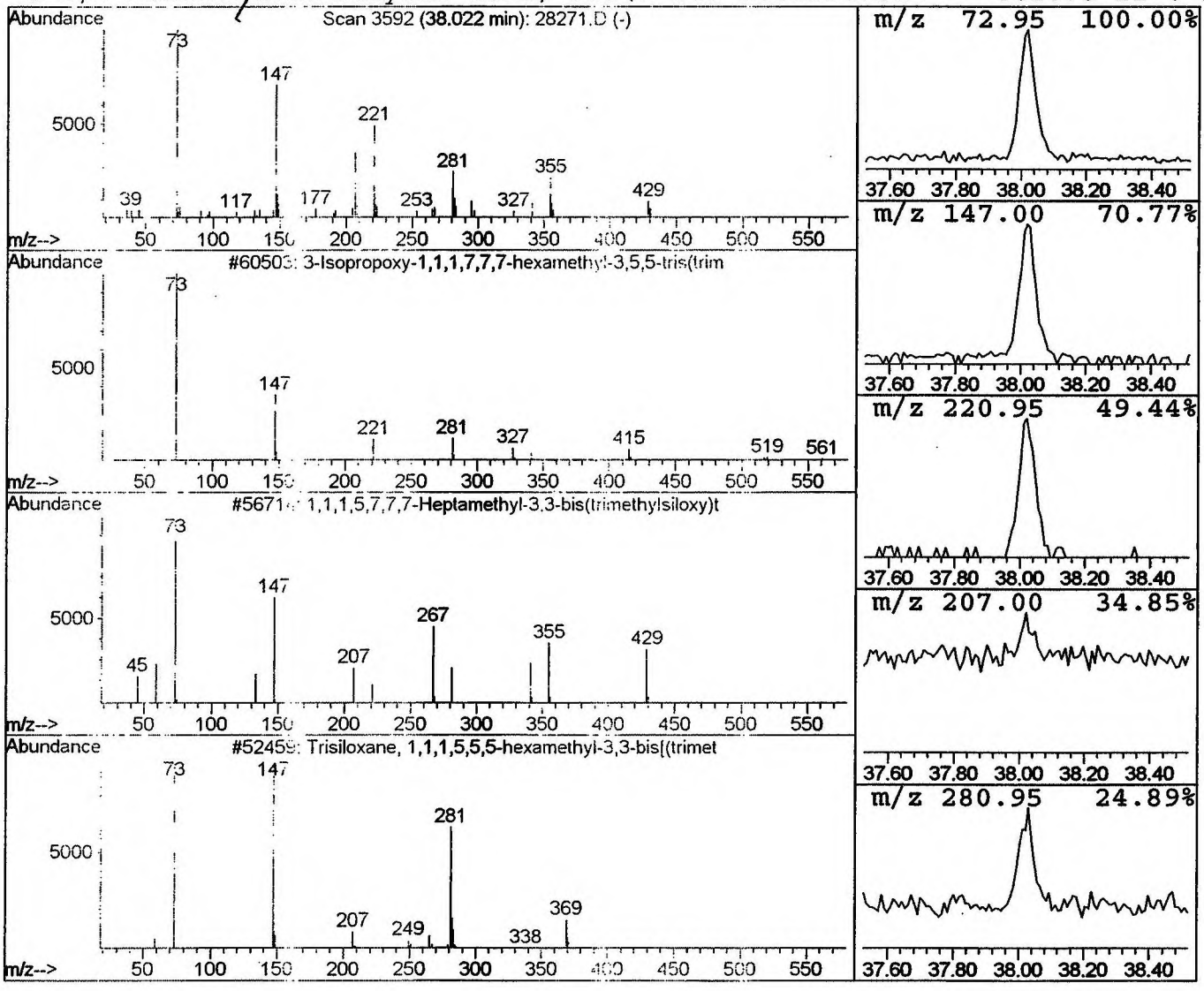
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.02	0.65 ug/l	83920	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	25
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	10
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	10
4	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28271.D
Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 26
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

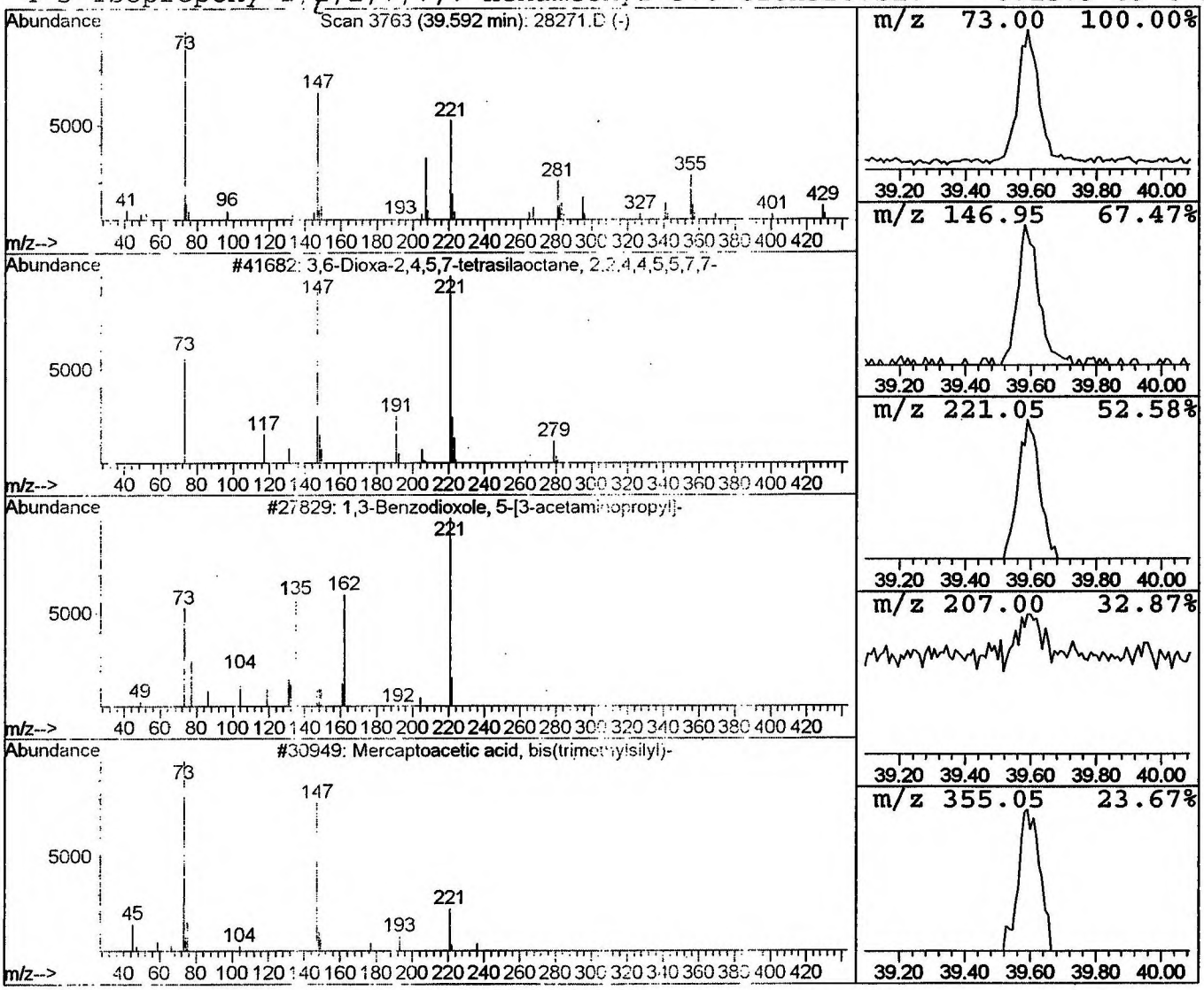
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.59	0.84 ug/l	108140	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	28
2	1,3-Benzodioxole, 5-[3-acetaminopro	221	C12H15NO3	000000-00-0	27
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17
4	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	17



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Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 26
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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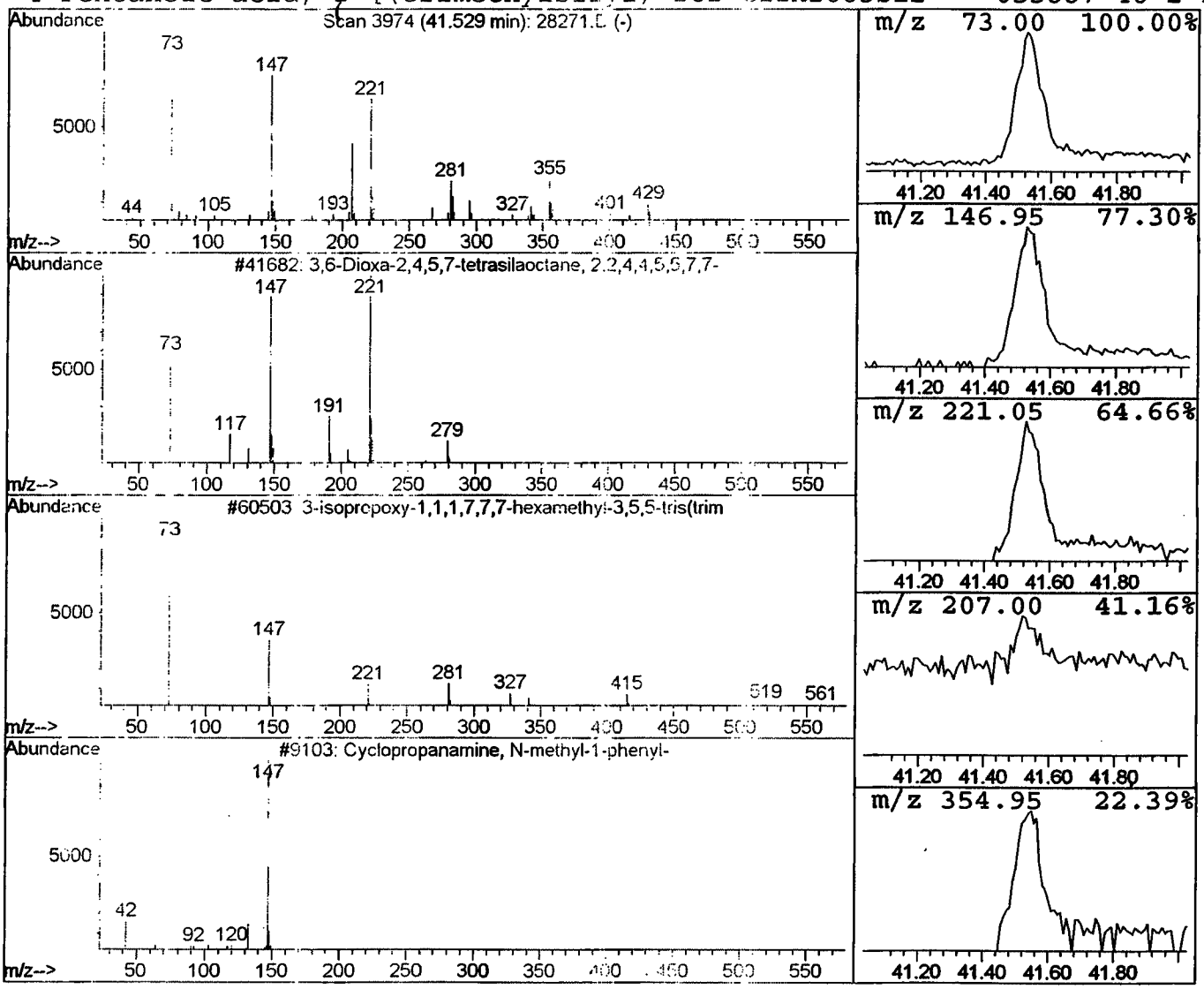
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.53	1.28 ug/l	163900	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	17
3	Cyclopropanamine, N-methyl-1-phenyl	147	C10H13N	056771-48-3	12
4	Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	12



Library Search Compound Report

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Acq On : 27 Nov 2001 1:21 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 26
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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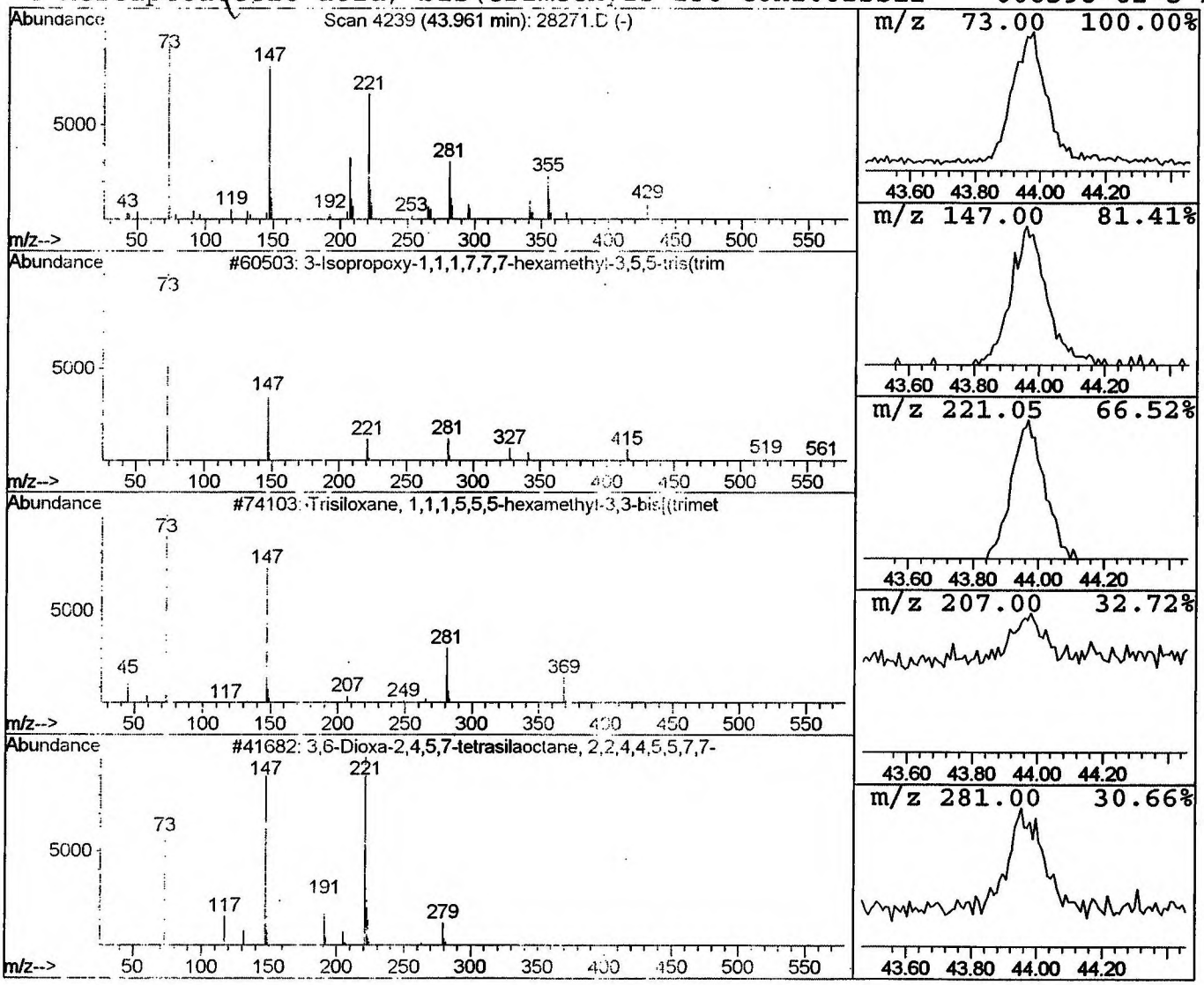
****

Peak Number 5 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.96	0.76 ug/l	97747	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	36
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	32
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	23



Library Search Compound Report

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Sample : 11/21 scan
Misc :
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Vial: 26
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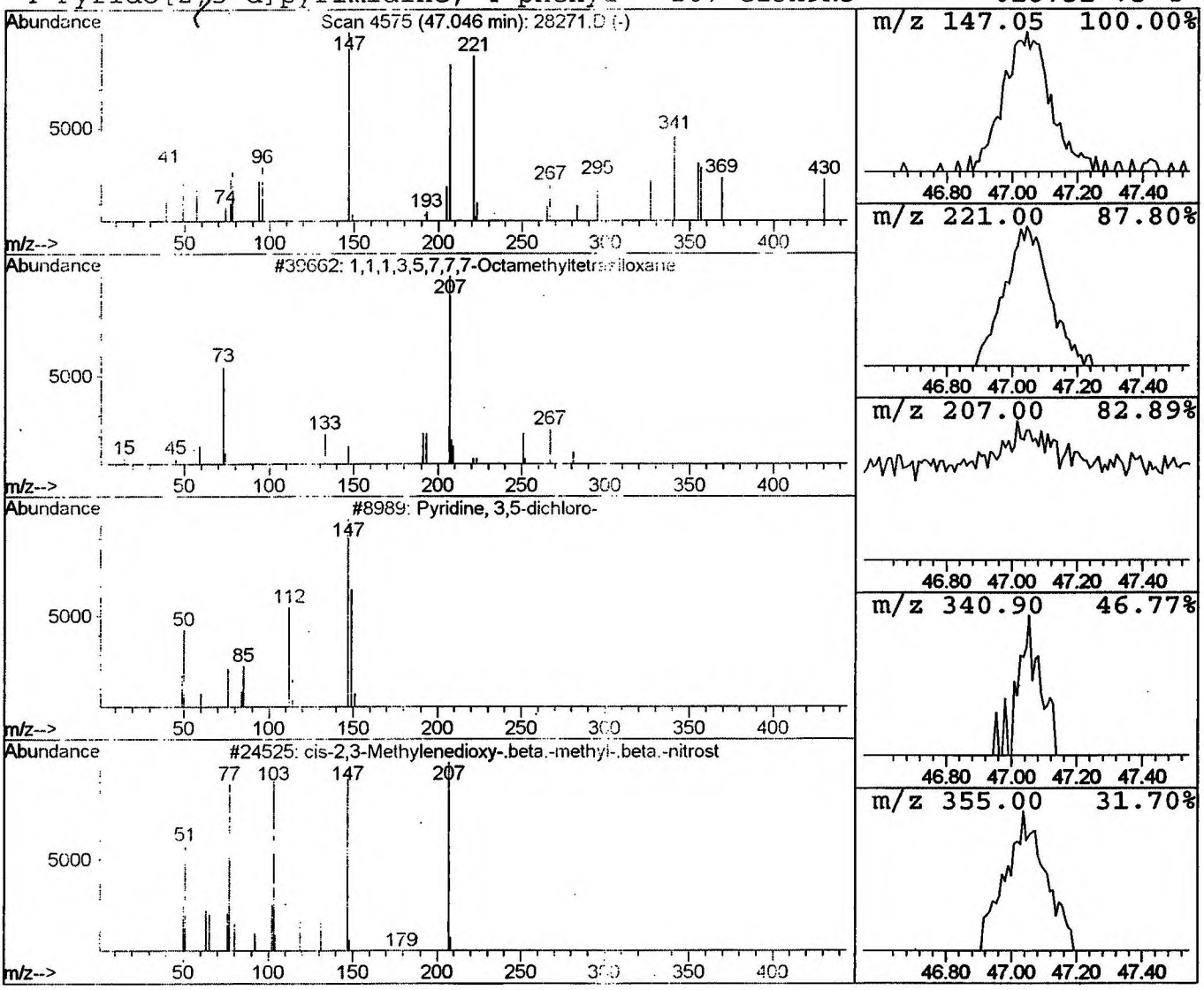
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1,1,1,3,5,7,7,7-Octamethyltetr Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.05	0.71 ug/l	90684	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,3,5,7,7,7-Octamethyltetrasilo	282	C8H26O3Si4	000000-00-0	9
2	Pyridine, 3,5-dichloro-	147	C5H3Cl2N	002457-47-8	7
3	cis-2,3-Methylenedioxy-.beta.-methy	207	C10H9NO4	000000-00-0	5
4	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	4



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS **Date Acquired:** 27 Nov 2001 **1:21 pm**
Data File: C:\HPCHEM\1\DATA\NOV2601\28271.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	116256	ISTD01	11.69	4576210	20.0
3-Isopropoxy-1,1,1,7	38.02	0.7	ug/l	83920	ISTD06	37.11	2570880	20.0
3,6-Dioxa-2,4,5,7-te	39.59	0.8	ug/l	108140	ISTD06	37.11	2570880	20.0
3,6-Dioxa-2,4,5,7-te	41.53	1.3	ug/l	163900	ISTD06	37.11	2570880	20.0
3-Isopropoxy-1,1,1,7	43.96	0.8	ug/l	97747	ISTD06	37.11	2570880	20.0
1,1,1,3,5,7,7,7-Octa	47.05	0.7	ug/l	90684	ISTD06	37.11	2570880	20.0

28271.D GCMS1126.M Wed Dec 05 13:15:01 2001