Comments for Sample AD28155 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-29-2001 Time: 10:45:51

The GCMS scan, from 35 to 550 amu, reveals the presence of bis(2-Ethylhexyl)phthalate at 0.35 ug/L.
Recoveries for 14 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. The recovery for the Surrogate Standard in this sample was 93%.

NOT DCP

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/29/2001 Time: 10:44:41

Sample: AD28155
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/29/01 10:44 Ended: 11/29/01 10:44 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28155.D Vial: 11
Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 27 12:54 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 12:20:14 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

Bis(2-ethylhexyl)phthalate

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.69	152	898396	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3427464	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1682639	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2313804	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1192743	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	841734	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	128500	4.66	ug/mL	0.00
Spiked Amount 5.000			Recovery =	93.20%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
4) Phenol	11.09	94	191	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	741	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.		

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

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Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 12:20:14 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	21.05	165	183	N.D.	
38)	Diethylphthalate	22.09	149	888	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	25.07	178	394	N.D.	
49)	Anthracene	25.07	178	394	N.D.	
50)	Di-n-butylphthalate	27.01	149	6119	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	29.36	202	261	N.D.	
55)	Butylbenzylphthalate	31.51	149	946	N.D.	
56)	Benzo(a)anthracene	33.10	228	2416	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	25353	0.35 ug/l	92
58)	Chrysene	33.10	228	2416	N.D.	
60)	Di-n-Octylphthalate	35.05	149	5224	N.D.	
61)	Benzo(b)fluoranthene	36.12	252	6266	N.D.	
62)	Benzo(k)fluoranthene	36.12	252	9634	N.D.	
63)	Benzo(a)pyrene	36.95	252	4027	N.D.	
64)	Indeno(1,2,3-cd)pyrene	40.84	276	4250	N.D.	
65)	Dibenz(a,h)anthracene	40.87	278	3211	N.D.	
66)	Benzo(g,h,i)perylene	41.91	276	5062	N.D.	

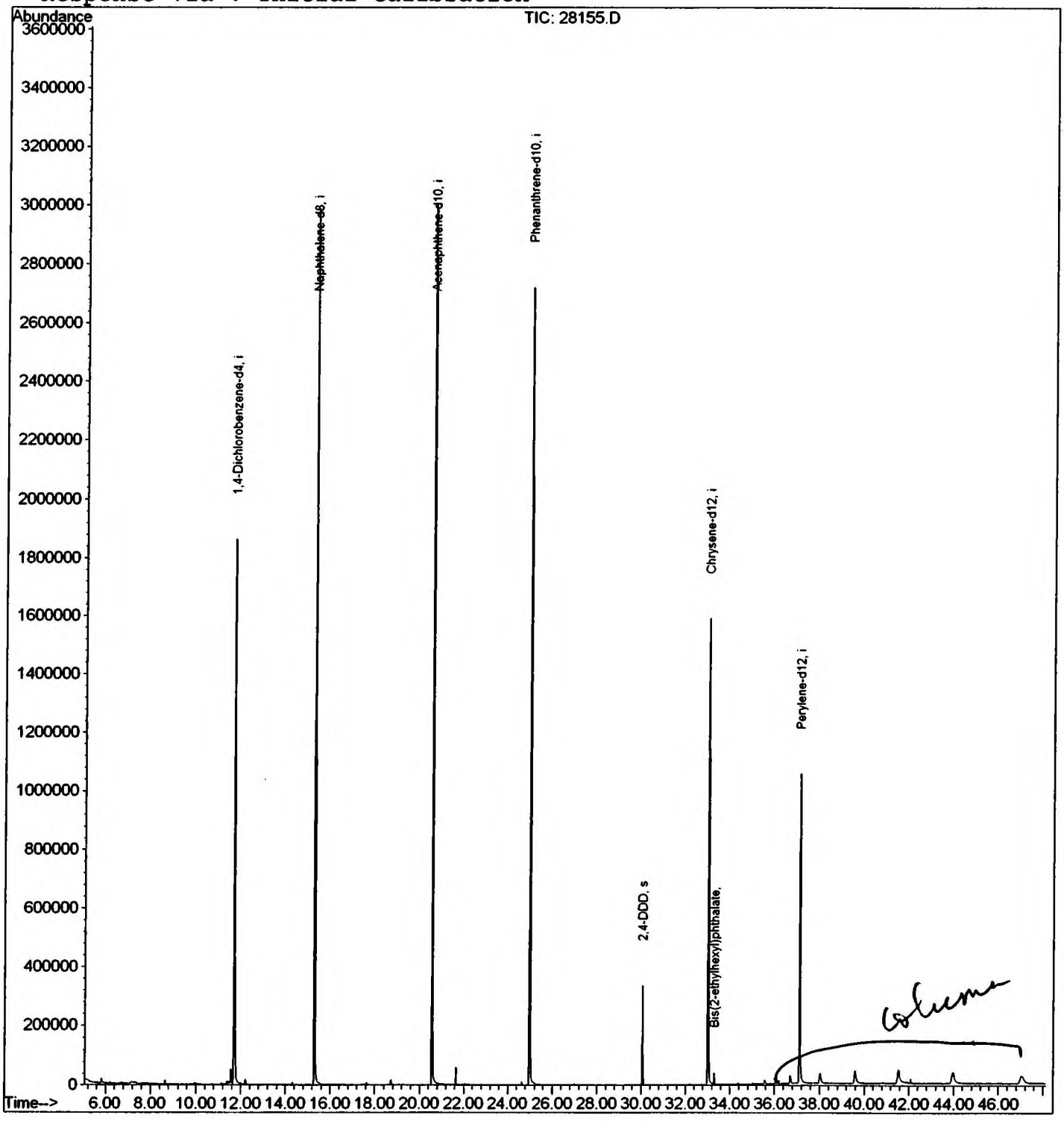
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28155.D
Acq On : 26 Nov 2001 8:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 27 12:54 2001

Vial: 11
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 : Tue Nov 27 12:20:14 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28155.D Vial: 11
Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 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	11.565	705	710	719	rVB	49789	115349	1.75%	0.357%
2	11.693	719	724	742	rBV	1859296	4686489	70.95%	14.518%
3	15.301	1111	1117	1135	rBV	2987923	6267785	94.89%	19.416%
4	20.571	1685	1691	1709	rBV	3005860	6605532	100.00%	20.463%
5	24.996	2166	2173	2186	rBV2	2719564	5832873	88.30%	18.069%
6	30.072	2721	2726	2734	rVB	334436	653759	9.90%	2.025%
7	33.028	3041	3048	3066	rBV2	1590154	3731501	56.49%	11.559%
8	33.304	3073	3078	3084	rVB	37169	80100	1.21%	0.248%
9	36.719	3445	3450	3457	rBV	24909	68099	1.03%	0.211%
10	37.114	3485	3493	3511	rBV2	1051769	2996513	45.36%	9.283%
11	38.032	3585	3593	3608	rBV3	34975	157527	2.38%	0.488%
12	39.602	3755	3764	3780	rBV4	42768	220454	3.34%	0.683%
13	41.548	3965	3976	3991	rBV3	43240	286834	4.34%	0.889%
14	43.962	4223	4239	4267	rBV5	38313	350886	5.31%	1.087%
15	47.038	4561	4574	4593	rBV5	23582	227368	3.44%	0.704%

Sum of corrected areas: 32281069

28155.D GCMS1126.M Tue Nov 27 12:58:04 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28155.D Vial: 11
Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 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

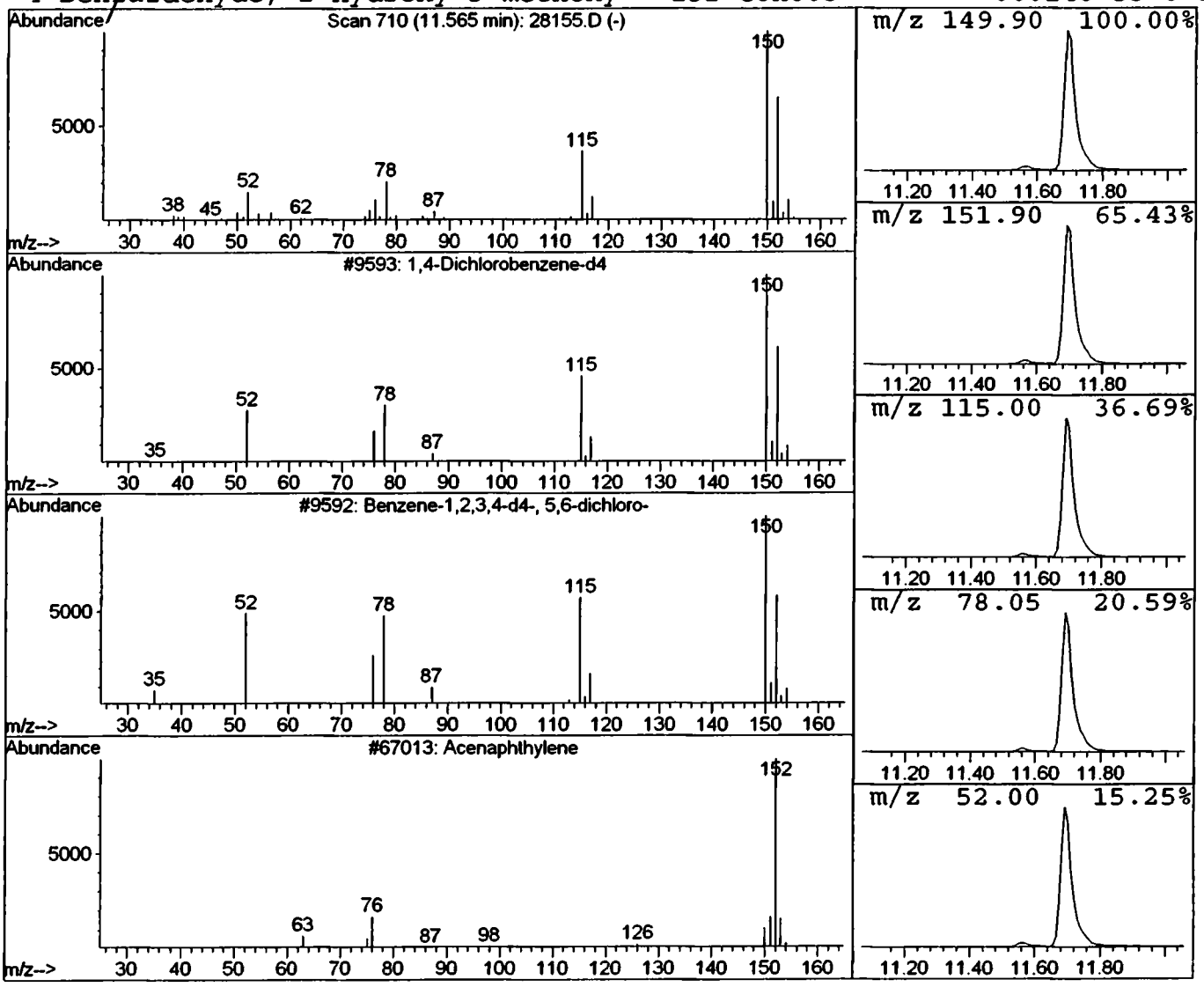
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.49 ug/l	115349	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	58
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	38
3	Acenaphthylene	152	C12H8	000208-96-8	14
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	9

15



Library Search Compound Report

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Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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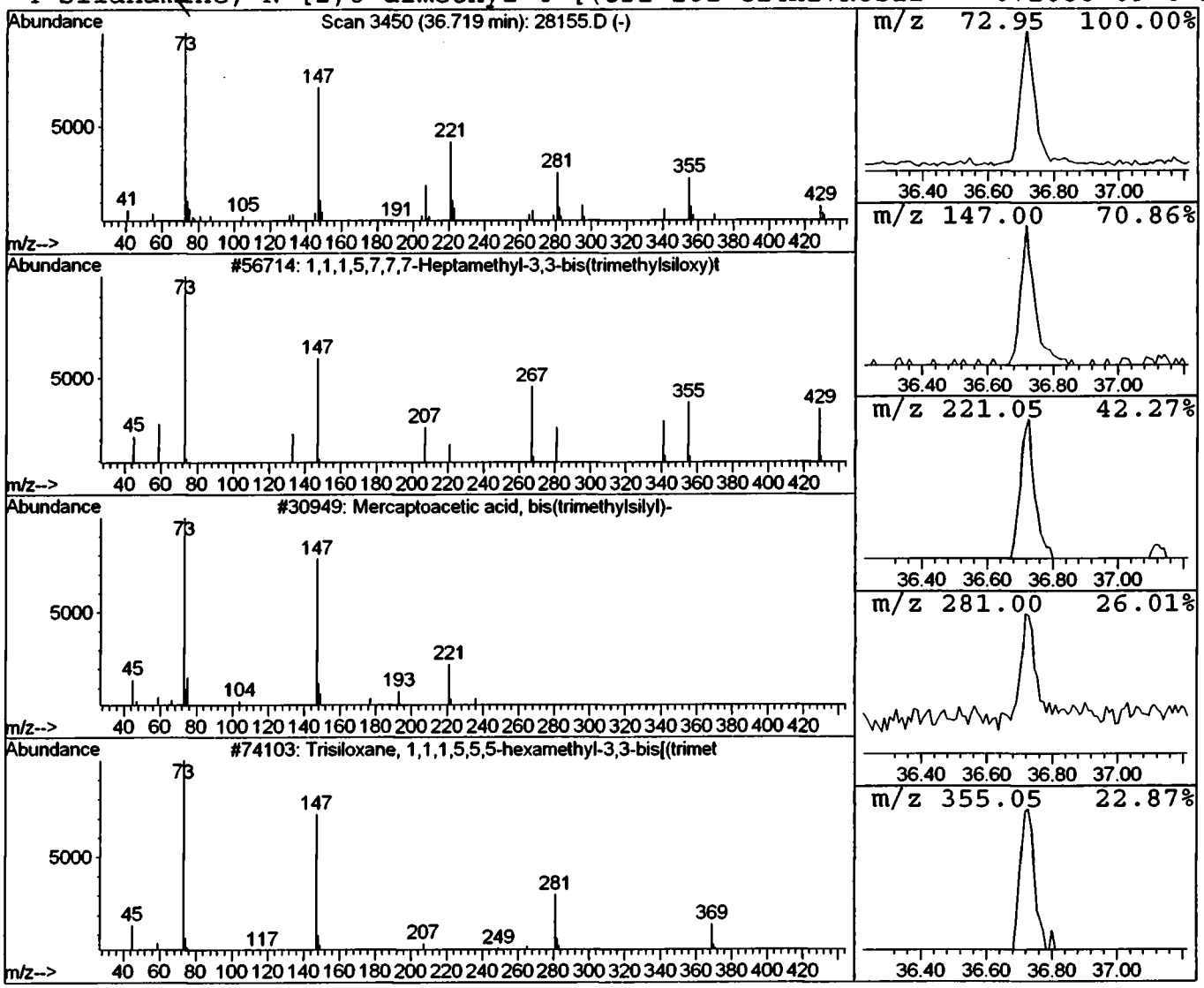
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.72	0.45 ug/l	68099	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	23
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	12
4	Silanamine, N-[2,6-dimethyl-4-[(tri	281	C14H27NOSi2	072088-09-6	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28155.D Vial: 11
Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

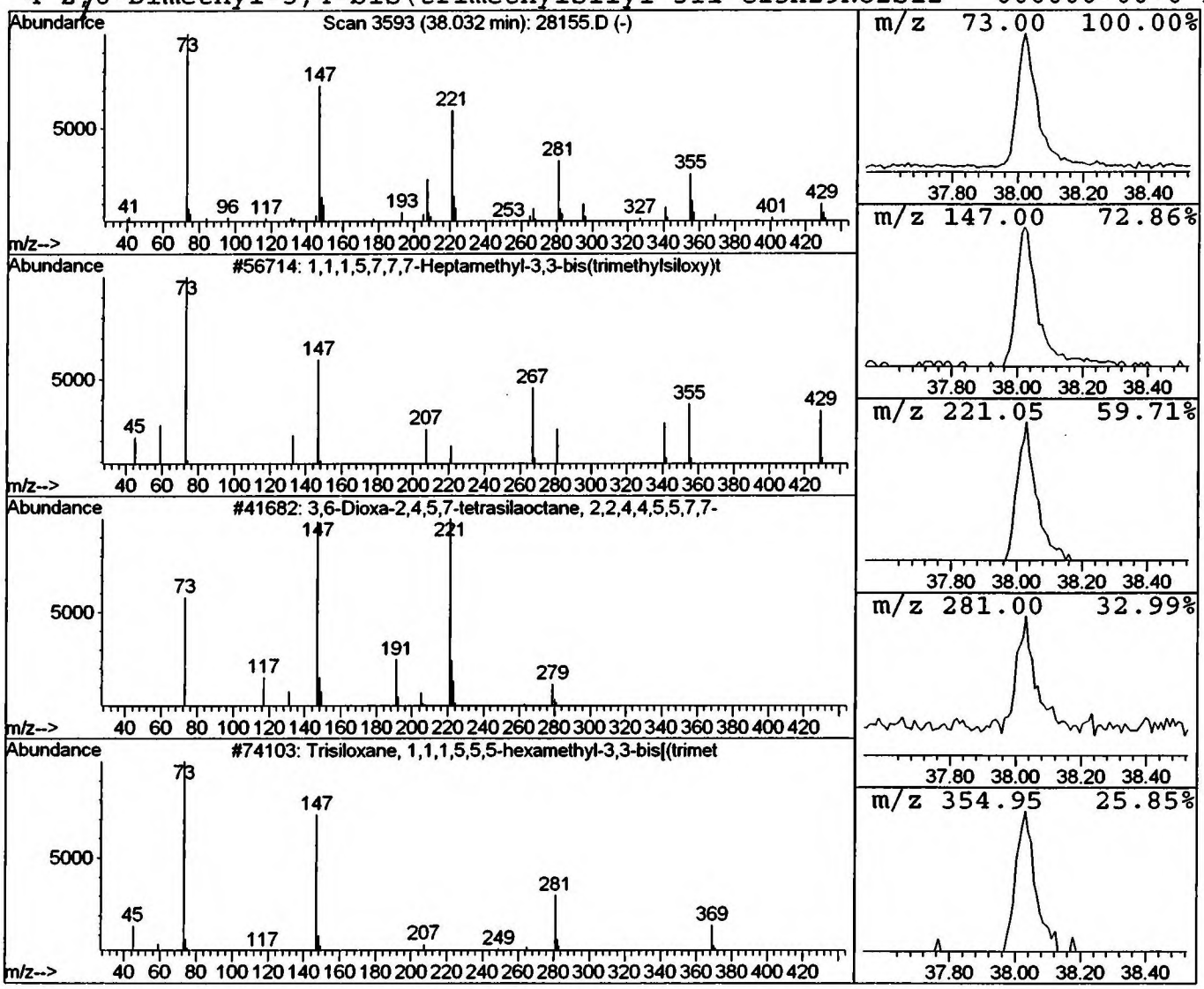
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.03	1.05 ug/l	157527	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	38
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	32
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	22
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	12



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Acq On : 26 Nov 2001 8:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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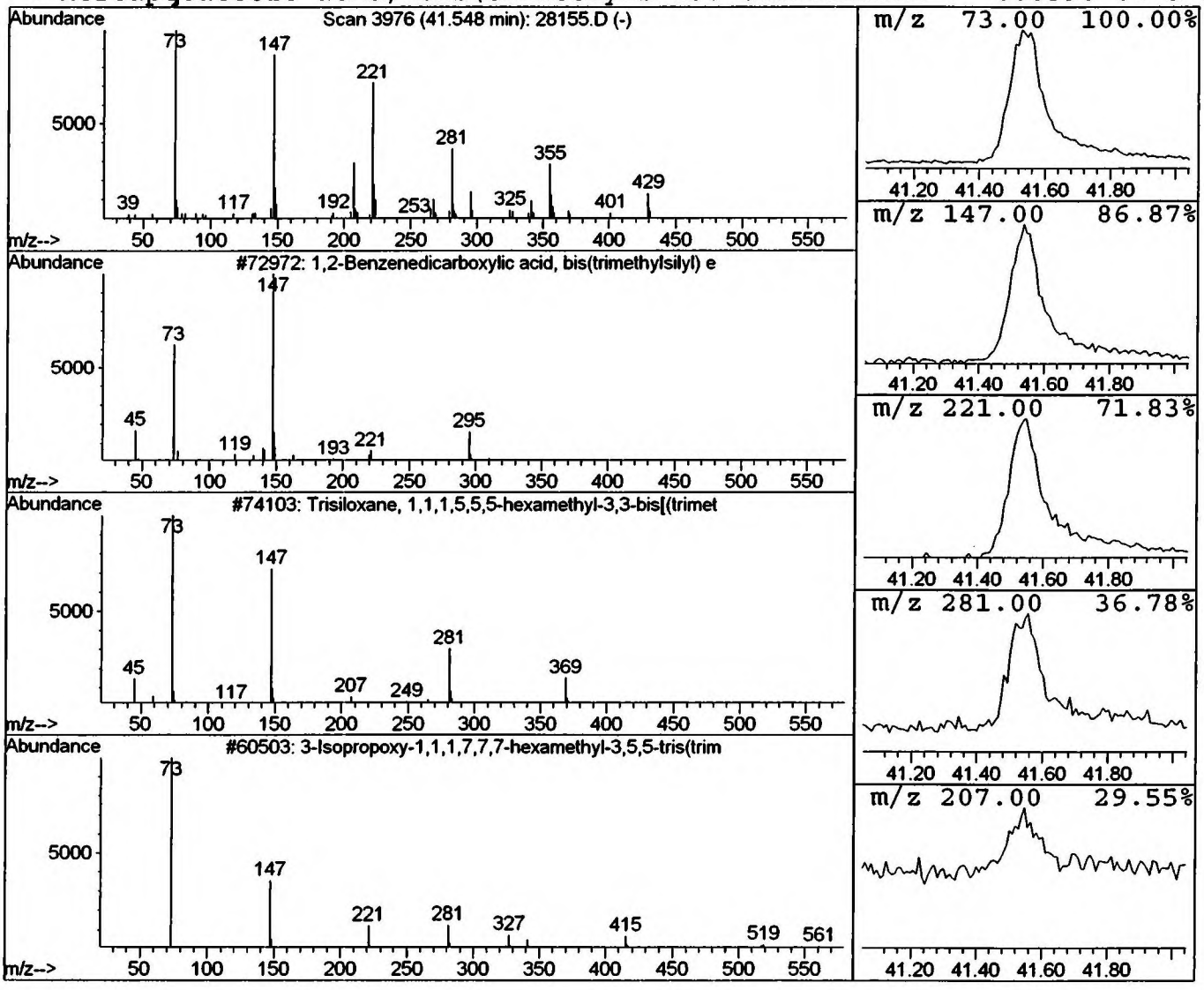
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.55	1.91 ug/l	286834	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	35
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	35
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17



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Acq On : 26 Nov 2001 8:29 pm Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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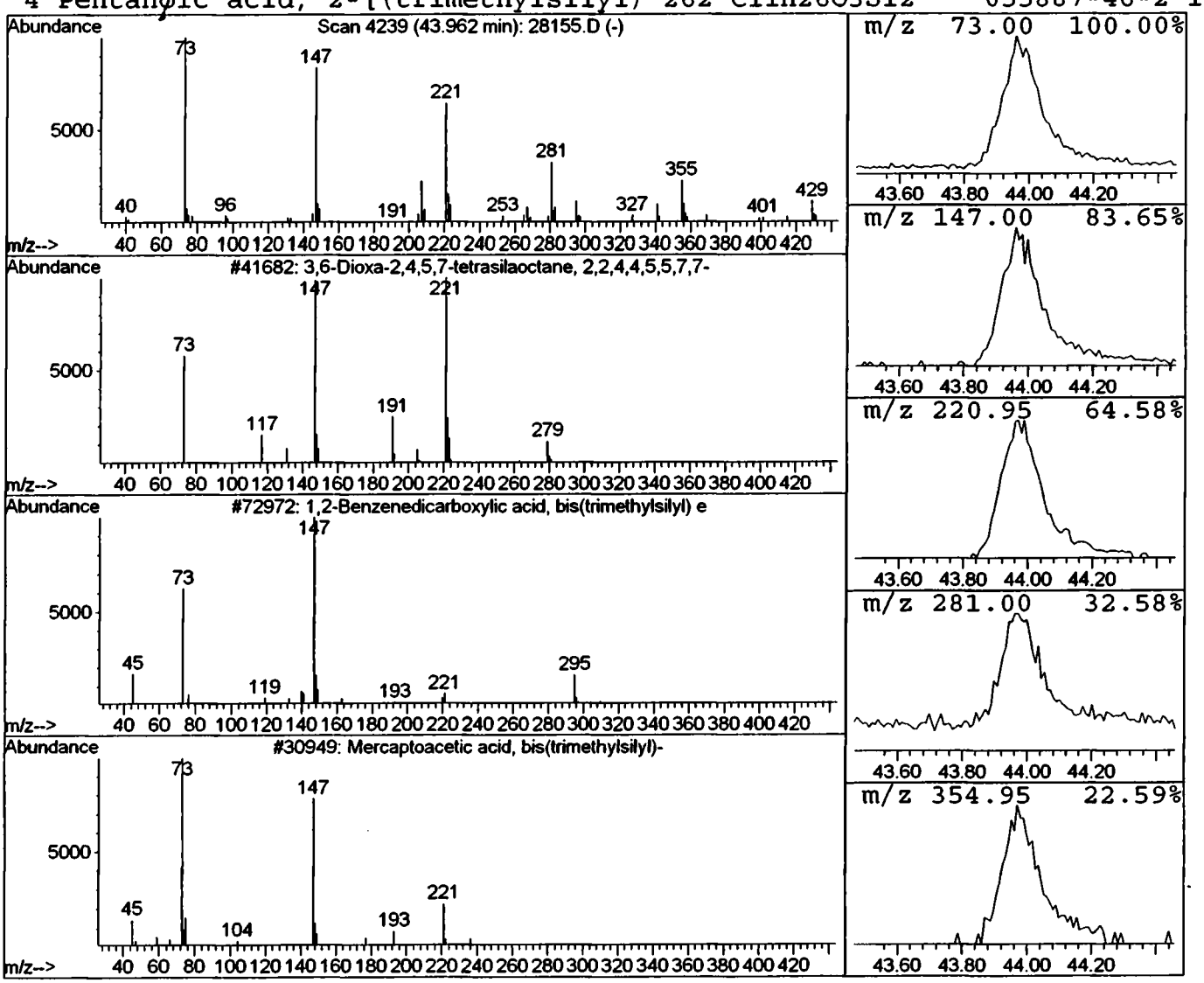
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.96	2.34 ug/l	350886	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	38
2	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	35
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17
4	Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	12



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Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
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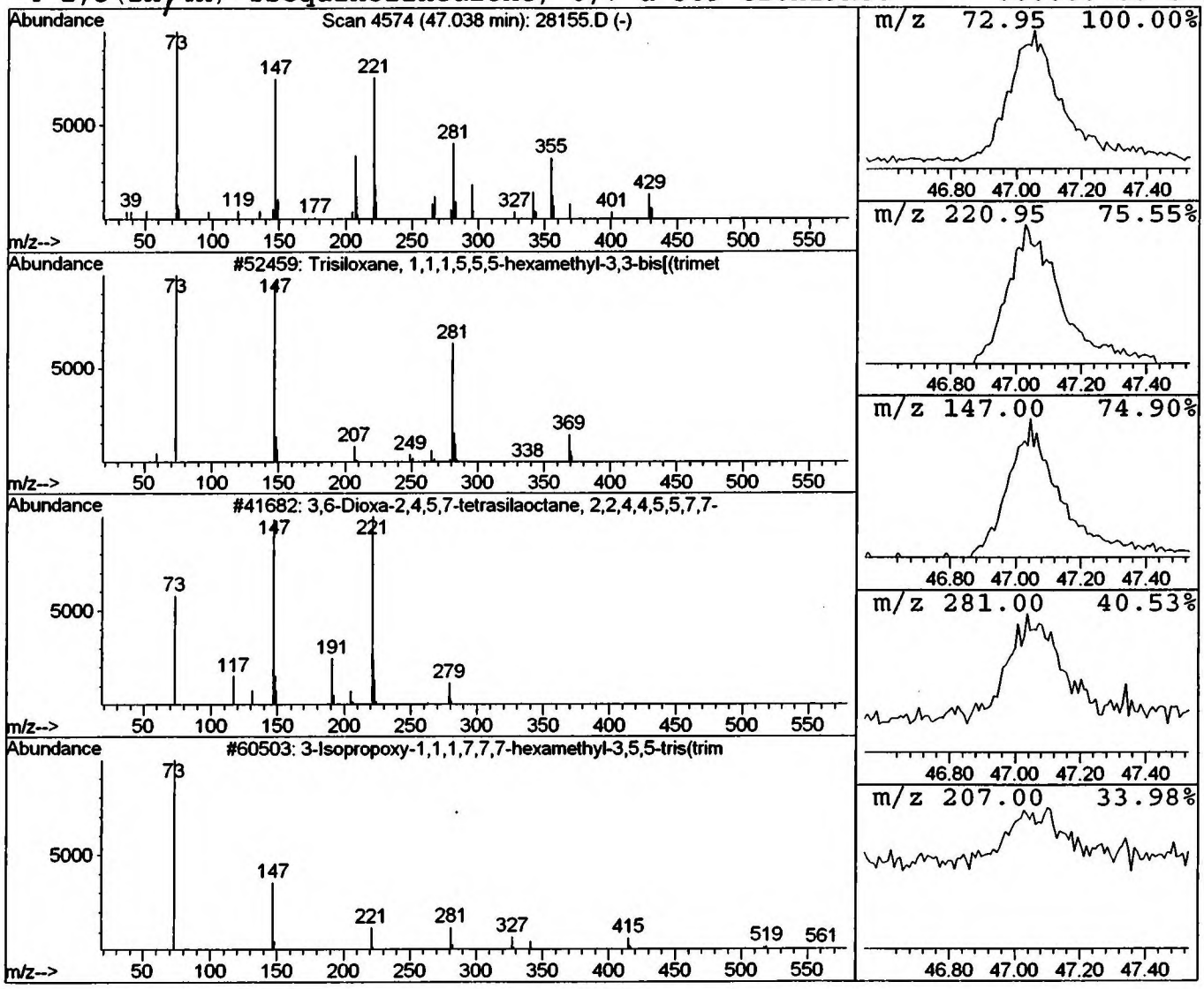
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.04	1.52 ug/l	227368	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
4	1,3(2H,4H)-Isoquinolinedione, 6,7-d	369	C20H19NO6	000000-00-0	14



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 26 Nov 2001 8:29 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28155.D
Name: 11/20 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	115349	ISTD01	11.69	4686490	20.0
1,1,1,5,7,7,7-Heptam	36.72	0.5	ug/l	68099	ISTD06	37.11	2996510	20.0
1,1,1,5,7,7,7-Heptam	38.03	1.1	ug/l	157527	ISTD06	37.11	2996510	20.0
1,2-Benzenedicarboxy	39.60	1.5	ug/l	220454	ISTD06	37.11	2996510	20.0
1,2-Benzenedicarboxy	41.55	1.9	ug/l	286834	ISTD06	37.11	2996510	20.0
3,6-Dioxa-2,4,5,7-te	43.96	2.3	ug/l	350886	ISTD06	37.11	2996510	20.0
Trisiloxane, 1,1,1,5	47.04	1.5	ug/l	227368	ISTD06	37.11	2996510	20.0

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