Comments for Sample AD28159 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-29-2001 Time: 09:58:39

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
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 87%.

NOT DEP

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/29/2001 Time: 09:58:41

Sample: AD28159
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/29/01 09:57 Ended: 11/29/01 09:57 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D Vial: 21
Acq On : 27 Nov 2001 6:15 am Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 28 9:16 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

Nothing present

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.69	152	955529	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3634781	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1757319	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2474631	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1363399	20.00	ug/l	0.00
59) Perylene-d12	37.12	264	989160	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	127422	4.33	ug/mL	0.00
Spiked Amount 5.000			Recovery =	86.60%		
Target Compounds						Qvalue
2) Pyridine	5.37	79	101	N.D.		
3) N-nitroso-dimethyl amine	5.28	74	210	N.D.		
4) Phenol	10.56	94	101	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	1086	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

Quantitation Report (QT Reviewed)

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Sample : 11/20 scan Inst : GC/MS 209
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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

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	21.04	65	307	N.D.	
37) 2,4-Dinitrotoluene	21.05	165	379	N.D.	
38) Diethylphthalate	22.11	149	656	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	552	N.D.	
49) Anthracene	25.06	178	552	N.D.	
50) Di-n-butylphthalate	27.01	149	3932	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	3470	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.29	149	2504	N.D.	
58) Chrysene	33.10	228	339	N.D.	
60) Di-n-Octylphthalate	35.04	149	754	N.D.	
61) Benzo(b)fluoranthene	36.07	252	1669	N.D.	
62) Benzo(k)fluoranthene	36.13	252	791	N.D.	
63) Benzo(a)pyrene	36.95	252	548	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	41.93	276	186	N.D.	

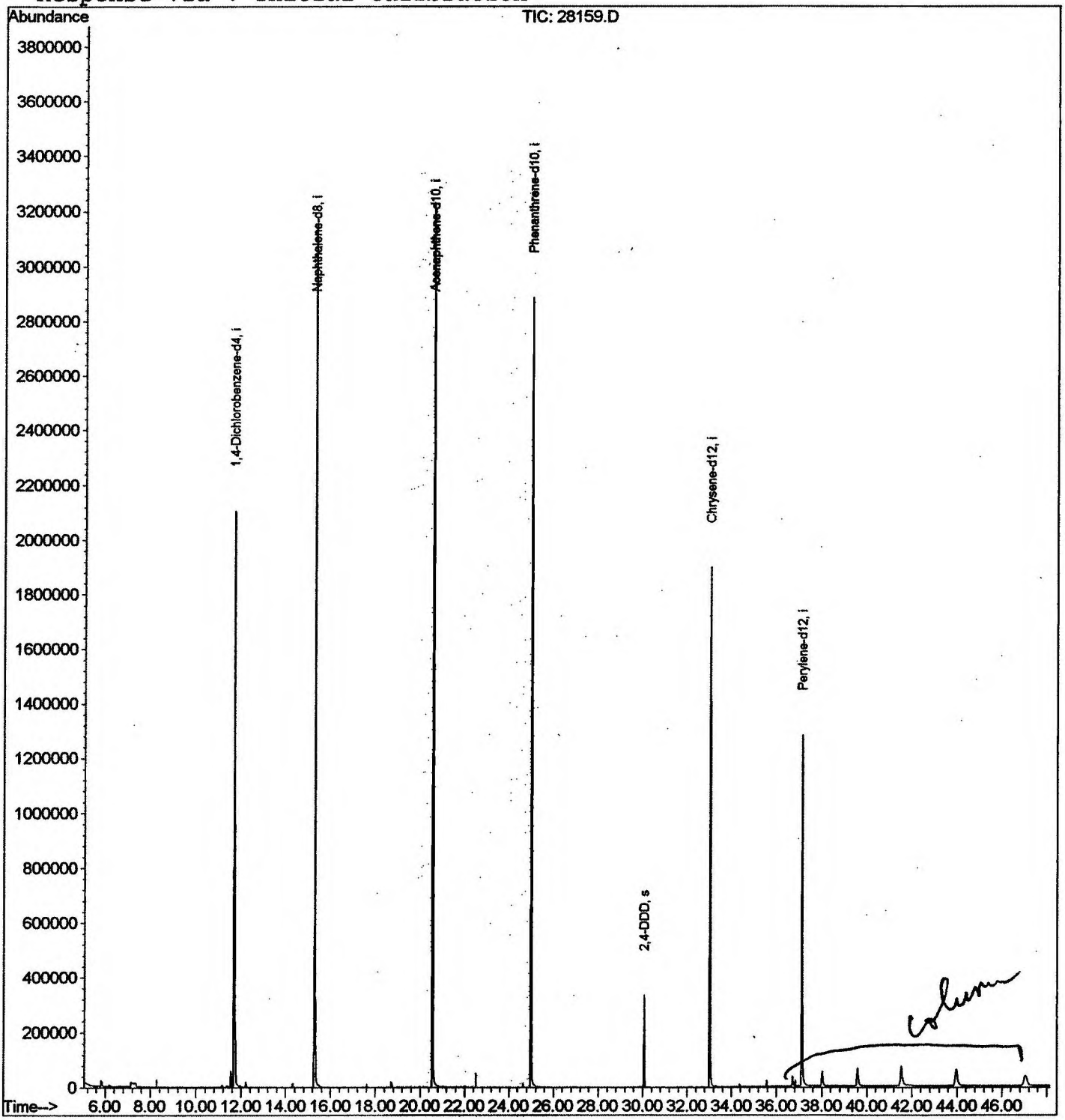
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 28 9:16 2001

Vial: 21
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\28159.D Vial: 21
Acq On : 27 Nov 2001 6:15 am 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

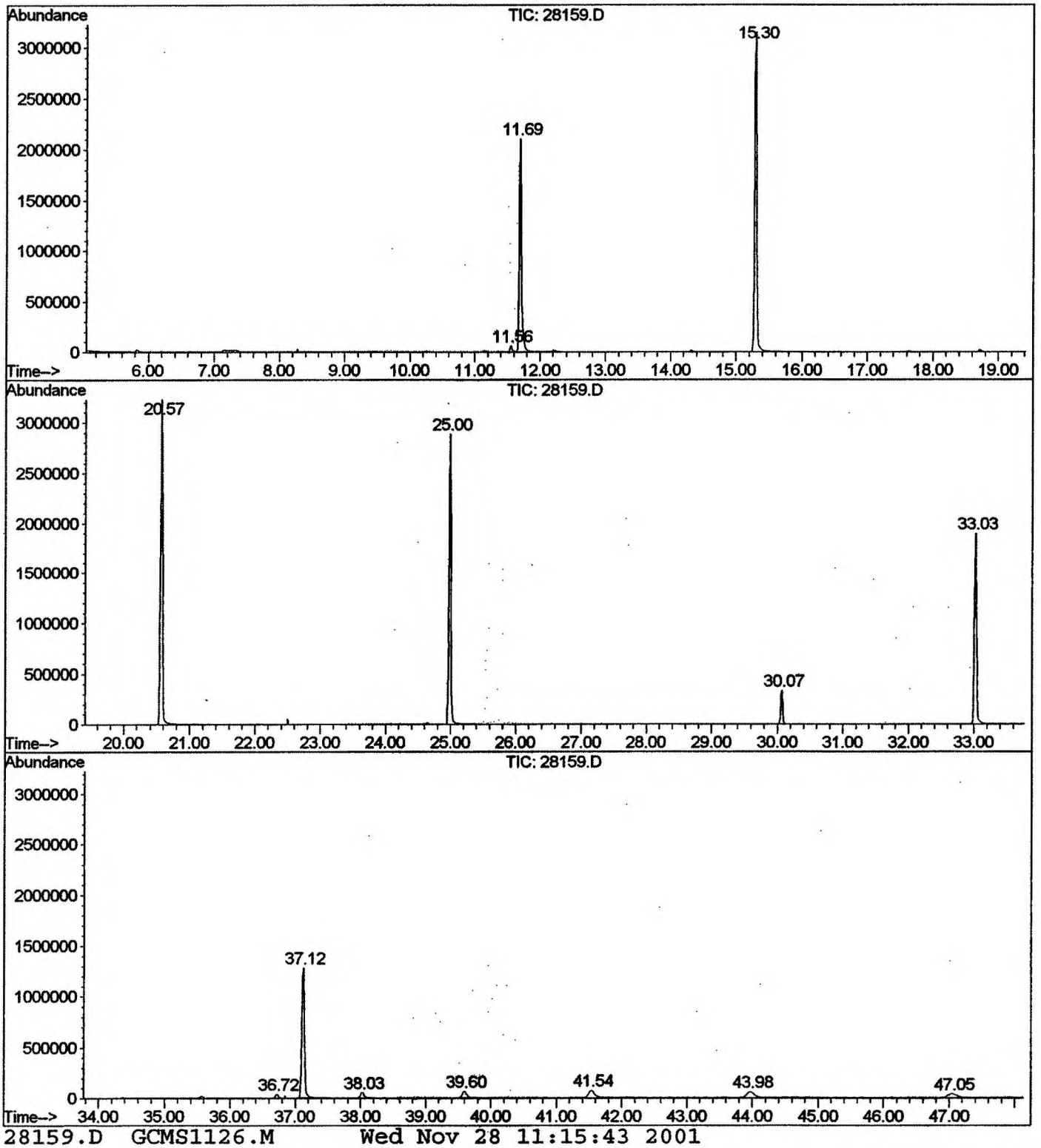
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.556	705	709	719	rBV	56622	125960	1.81%	0.356%
2	11.693	719	724	749	rVV	2100805	4987163	71.56%	14.111%
3	15.301	1111	1117	1135	rBV	3145786	6635772	95.22%	18.776%
4	20.571	1685	1691	1712	rBV	3228491	6968923	100.00%	19.719%
5	24.996	2166	2173	2187	rBV2	2884414	6274760	90.04%	17.755%
6	30.072	2720	2726	2732	rBV	332243	668188	9.59%	1.891%
7	33.029	3041	3048	3065	rBV2	1896854	4298599	61.68%	12.163%
8	36.719	3443	3450	3459	rBV	37945	112576	1.62%	0.319%
9	37.123	3486	3494	3506	rBV	1276798	3534402	50.72%	10.001%
10	38.032	3583	3593	3603	rBV2	53516	204160	2.93%	0.578%
11	39.602	3755	3764	3775	rBV2	63866	292113	4.19%	0.827%
12	41.539	3962	3975	3989	rBV3	72500	447190	6.42%	1.265%
13	43.981	4226	4241	4258	rBV3	58368	437075	6.27%	1.237%
14	47.047	4557	4575	4596	rBV6	37439	354647	5.09%	1.003%

Sum of corrected areas: 35341528

28159.D GCMS1126.M Wed Nov 28 11:15:41 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 6:15 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/20 scan
Misc Info :
Vial Number: 21
Quant File :GCMS1126.RES (RTE Integrator)



28159.D GCMS1126.M Wed Nov 28 11:15:43 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

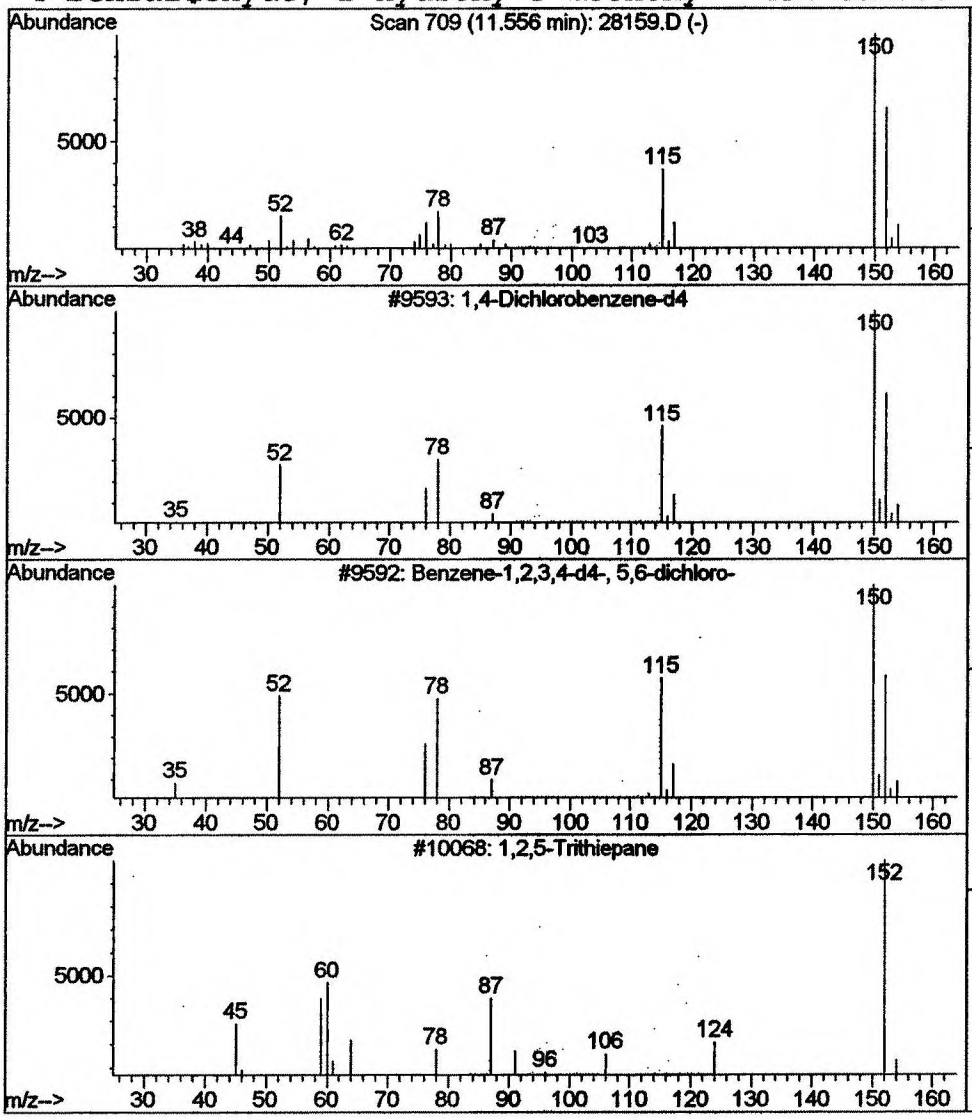
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

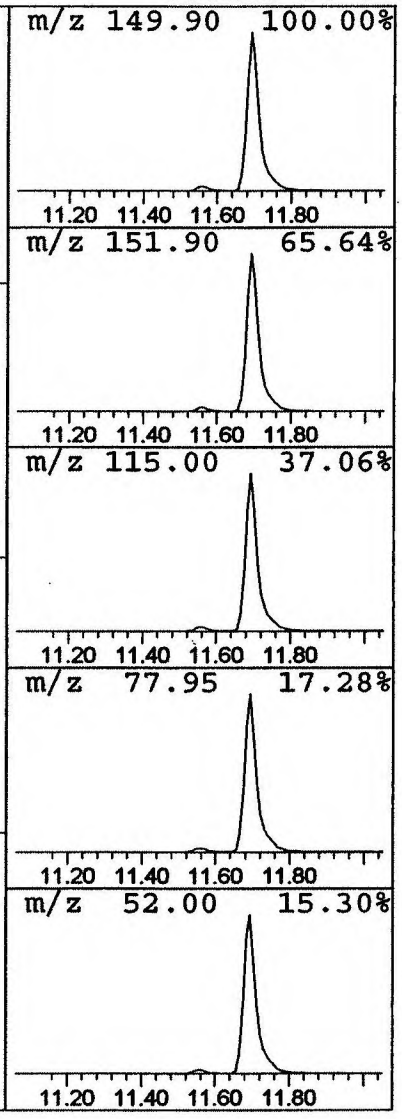
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.51 ug/l	125960	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	16
3	1,2,5-Trithiepane	152	C4H8S3	006576-93-8	10
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	10





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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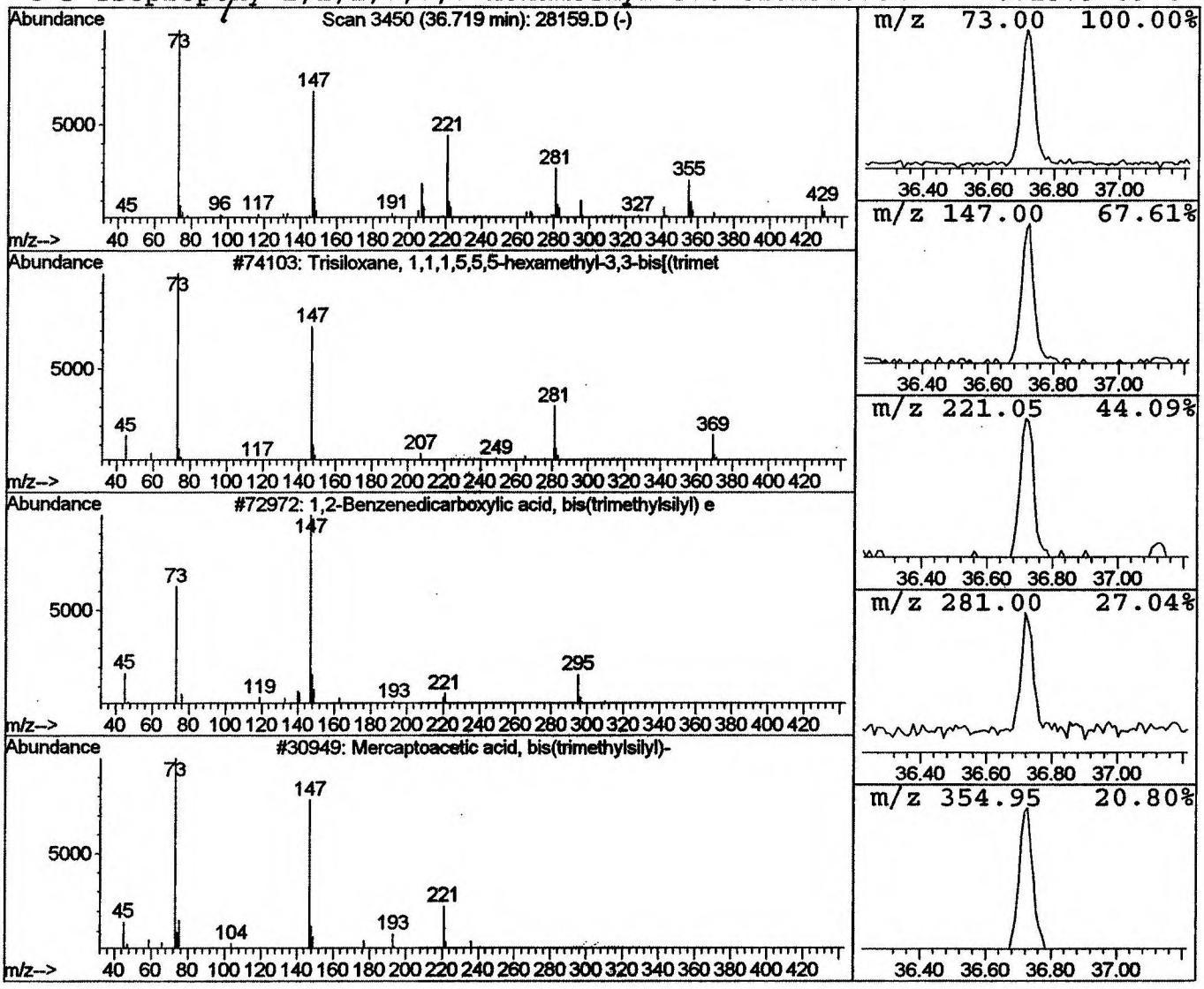
****

Peak Number 2 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.72	0.64 ug/l	112576	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	38
2	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	16
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

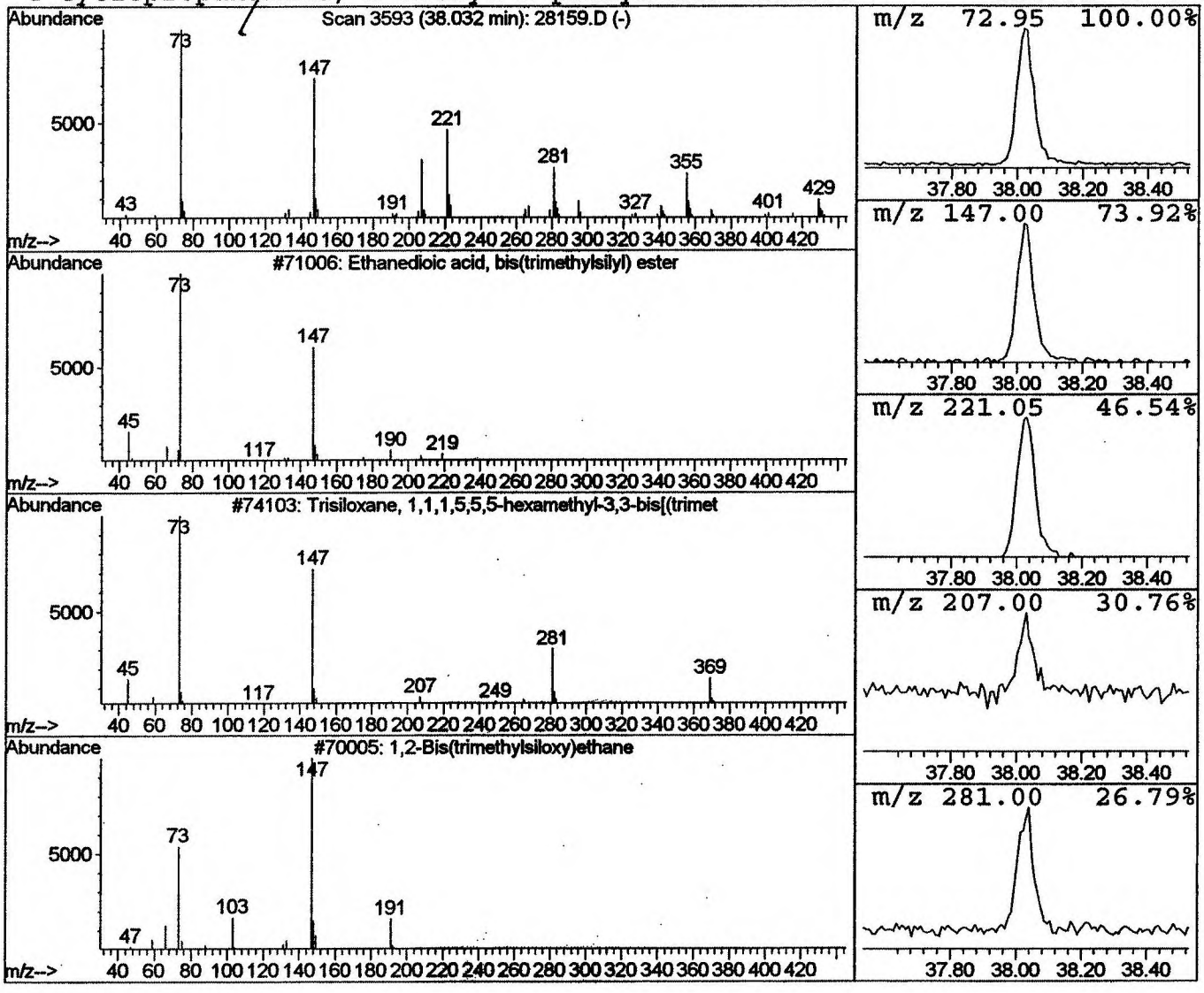
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Ethanedioic acid, bis(trimethy Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.03	1.16 ug/l	204160	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	35
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	1,2-Bis(trimethylsiloxy)ethane	206	C8H22O2Si2	007381-30-8	16
4	Cyclopropanamine, N-methyl-1-phenyl	147	C10H13N	056771-48-3	12



Library Search Compound Report

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Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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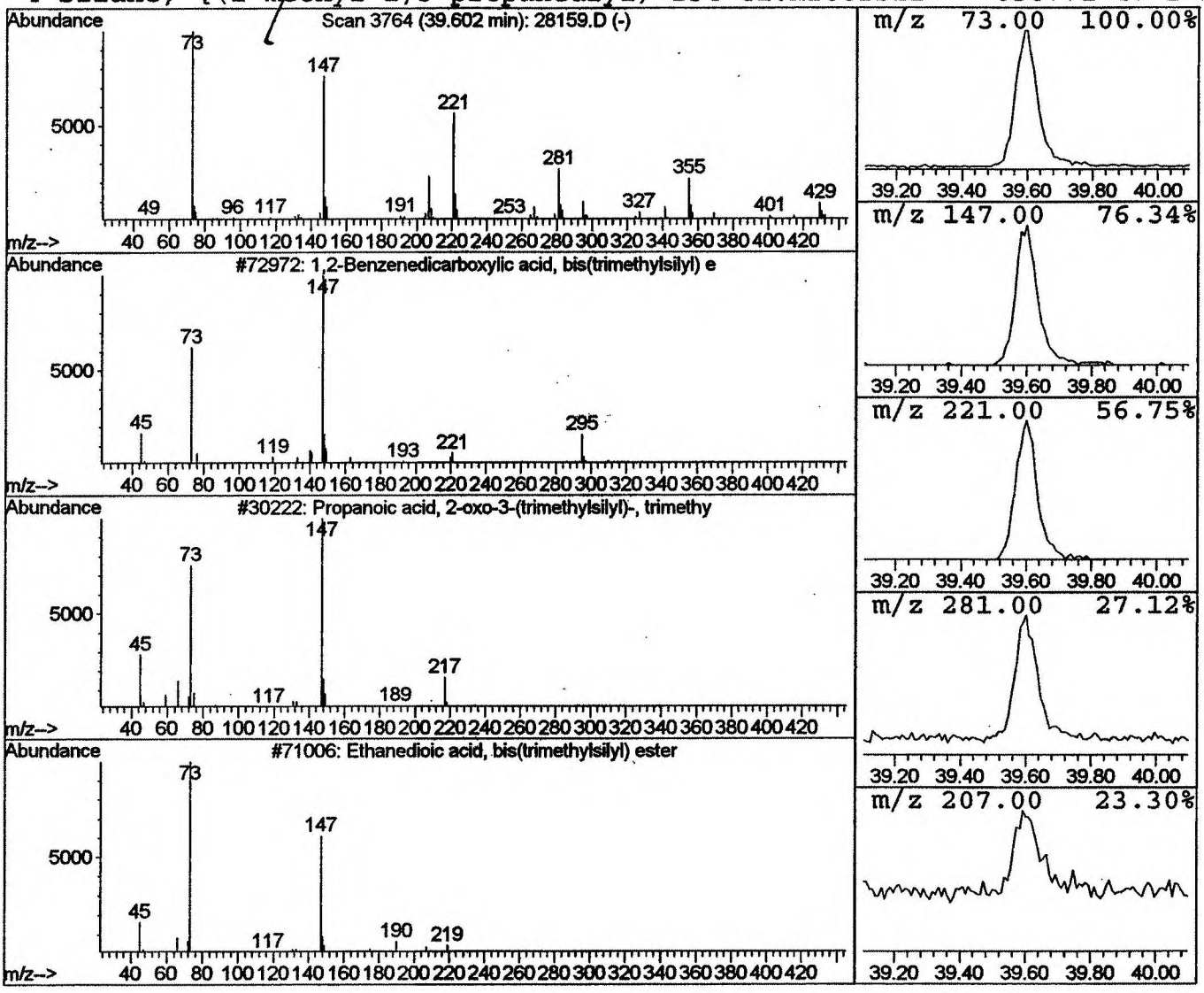
****

Peak Number 4 1,2-Benzenedicarboxylic acid, Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.60	1.65 ug/l	292113	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
2	Propanoic acid, 2-oxo-3-(trimethyls	232	C9H20O3Si2	055887-51-9	22
3	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	16
4	Silane, [(1-methyl-1,3-propanediyl)	234	C10H26O2Si2	056771-47-2	16



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Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

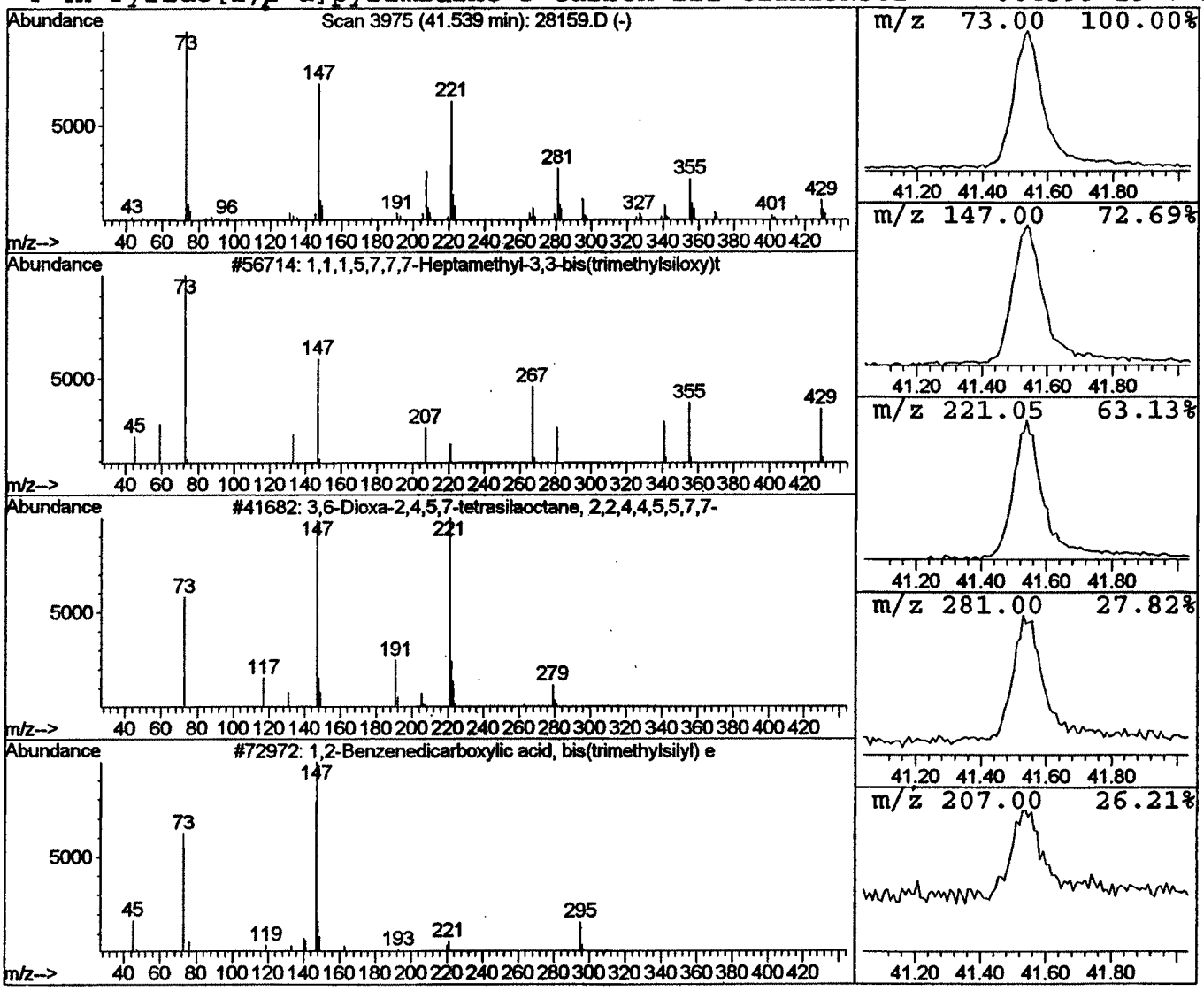
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.54	2.53 ug/l	447190	Perylene-d12	37.12

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	37
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	14
4	4H-Pyrido[1,2-a]pyrimidine-3-carbox	221	C11H15N3O2	064399-29-7	14



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Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

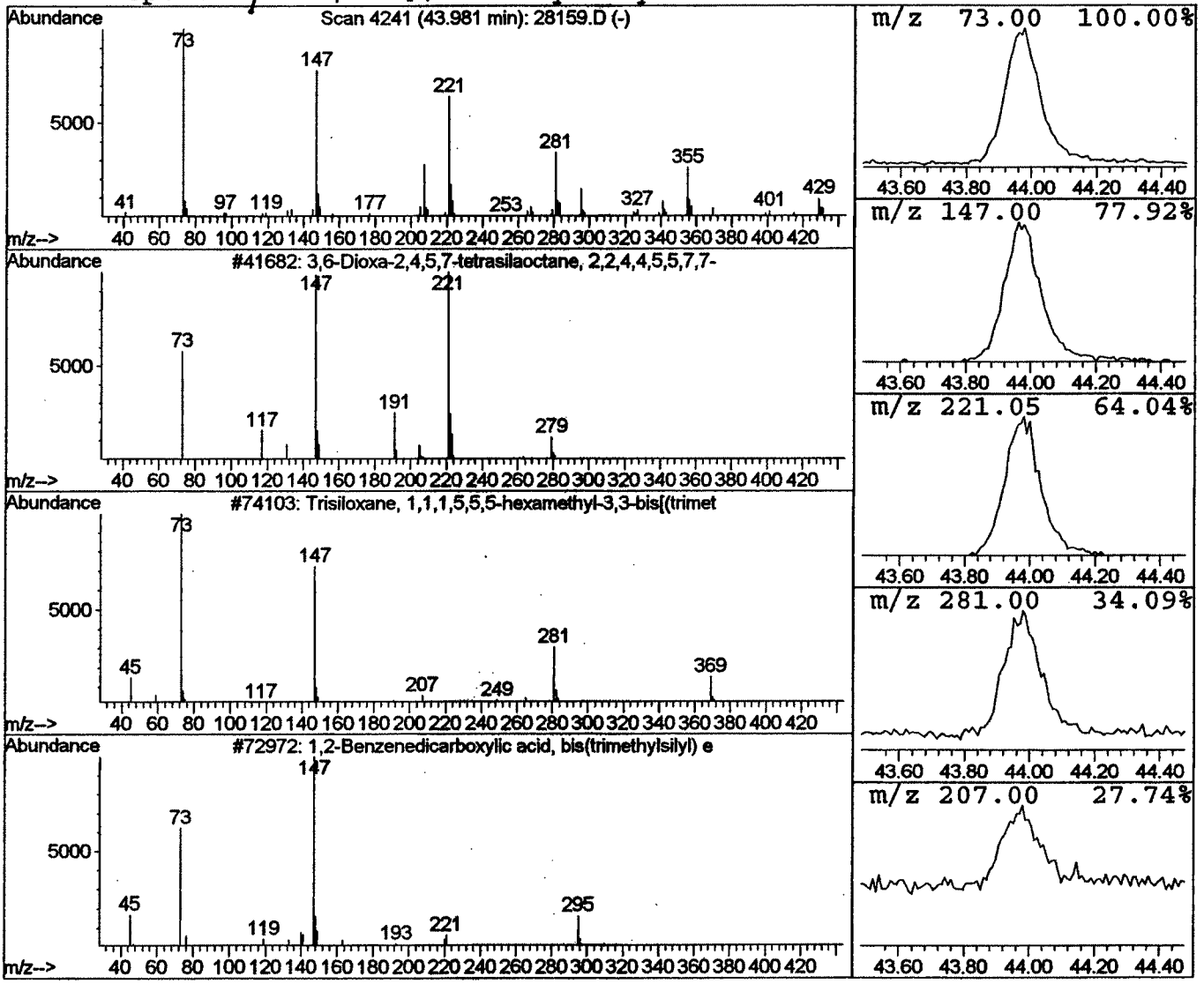
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.98	2.47 ug/l	437075	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	38
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
4	2-Propenoic acid, 2-[(trimethylsily	232	C9H20O3Si2	055191-13-4	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28159.D
Acq On : 27 Nov 2001 6:15 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

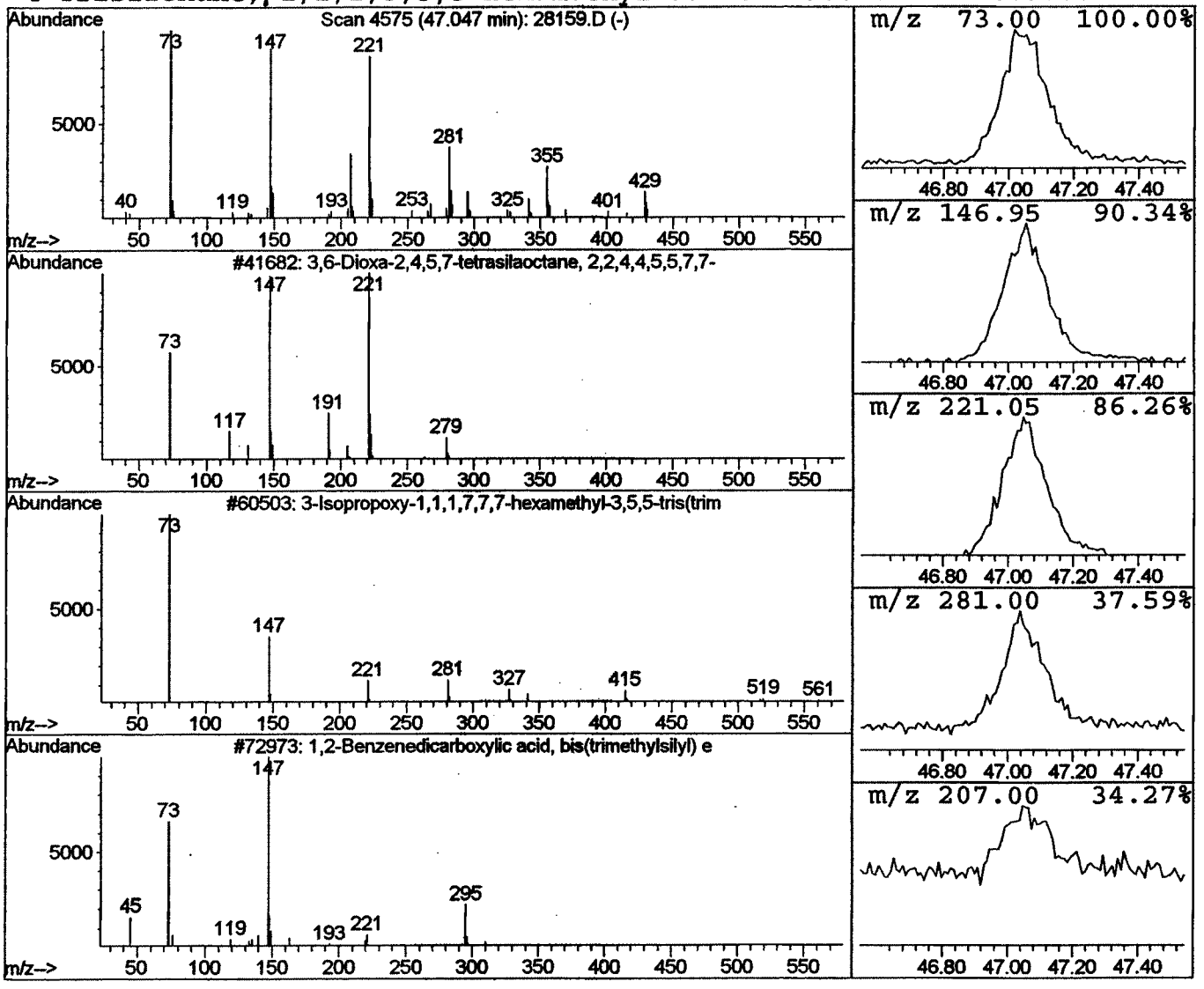
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.05	2.01 ug/l	354647	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	40
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	25
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	22
4	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	16



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 6:15 am
Data File: C:\HPCHEM\1\DATA\NOV2601\28159.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	125960	ISTD01	11.69	4987160	20.0
Trisiloxane, 1,1,1,5	36.72	0.6	ug/l	112576	ISTD06	37.12	3534400	20.0
Ethanedioic acid, bi	38.03	1.2	ug/l	204160	ISTD06	37.12	3534400	20.0
1,2-Benzenedicarboxy	39.60	1.7	ug/l	292113	ISTD06	37.12	3534400	20.0
1,1,1,5,7,7,7-Heptam	41.54	2.5	ug/l	447190	ISTD06	37.12	3534400	20.0
3,6-Dioxa-2,4,5,7-te	43.98	2.5	ug/l	437075	ISTD06	37.12	3534400	20.0
3,6-Dioxa-2,4,5,7-te	47.05	2.0	ug/l	354647	ISTD06	37.12	3534400	20.0

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