Comments for Sample AD28151 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-29-2001 Time: 10:02:19

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 83%.

NOT Det

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/29/2001 Time: 10:02:08

Sample: AD28151
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/29/01 10:01 Ended: 11/29/01 10:01 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28151.D Vial: 18
Acq On : 27 Nov 2001 3:19 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 7:53 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	11.70	152	802639	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3052122	20.00	ug/l	-0.01
26) Acenaphthene-d10	20.57	164	1461636	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	1975257	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	916785	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	578714	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	97850	4.16	ug/mL	0.00
Spiked Amount 5.000			Recovery =	83.20%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
4) Phenol	11.22	94	122	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	1145	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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Acq On : 27 Nov 2001 3:19 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 7:53 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

	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	20.92	165	374	N.D.	
38)	Diethylphthalate	22.10	149	332	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	597	N.D.	
49)	Anthracene	25.00	178	597	N.D.	
50)	Di-n-butylphthalate	27.00	149	3504	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	2255	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.31	149	7019	N.D.	
58)	Chrysene	33.10	228	391	N.D.	
60)	Di-n-Octylphthalate	35.03	149	791	N.D.	
61)	Benzo(b)fluoranthene	36.09	252	727	N.D.	
62)	Benzo(k)fluoranthene	36.14	252	1554	N.D.	
63)	Benzo(a)pyrene	37.11	252	2197	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	41.89	276	560	N.D.	

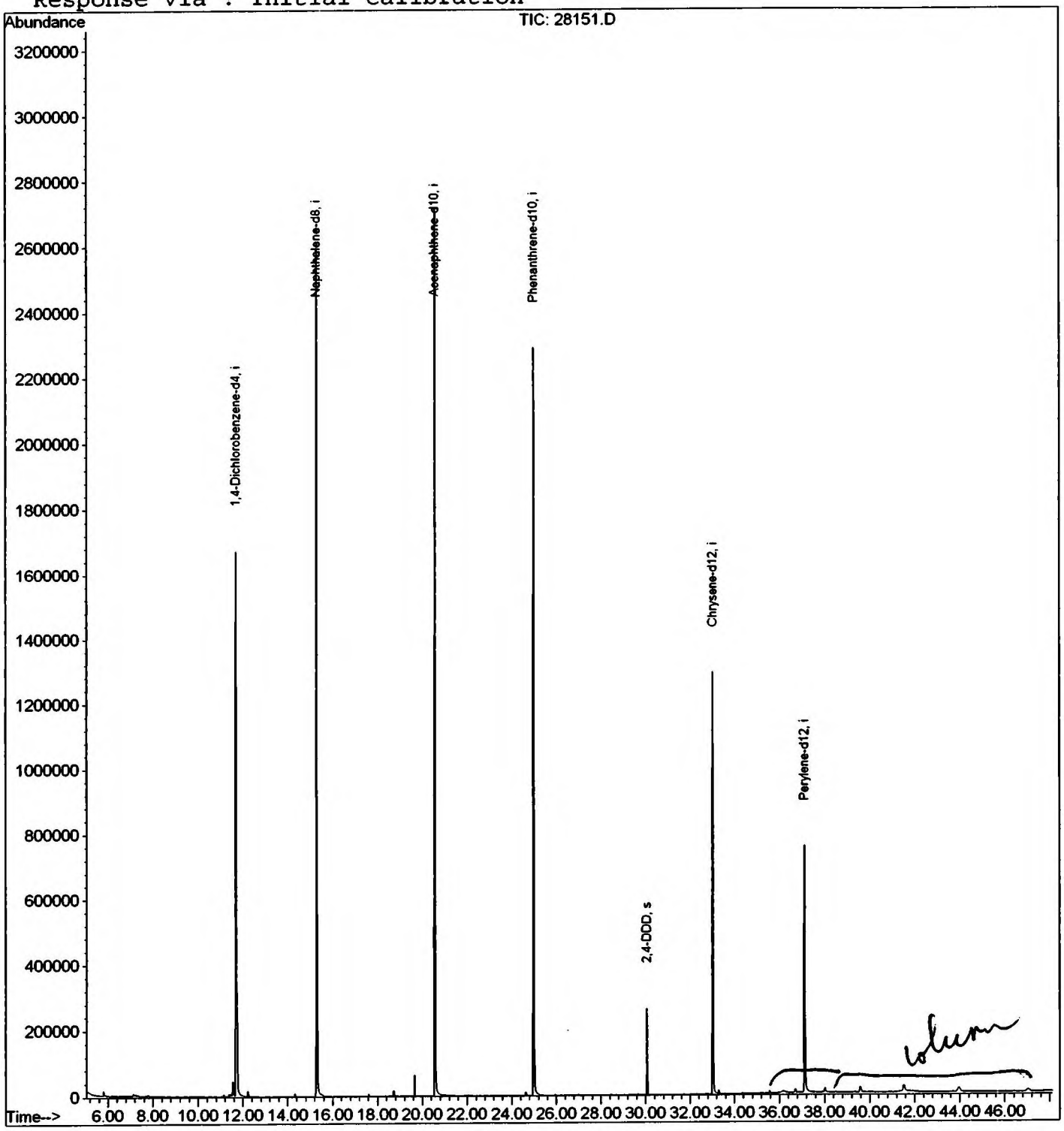
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28151.D
Acq On : 27 Nov 2001 3:19 am
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 28 7:53 2001

Vial: 18
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\28151.D Vial: 18
Acq On : 27 Nov 2001 3:19 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

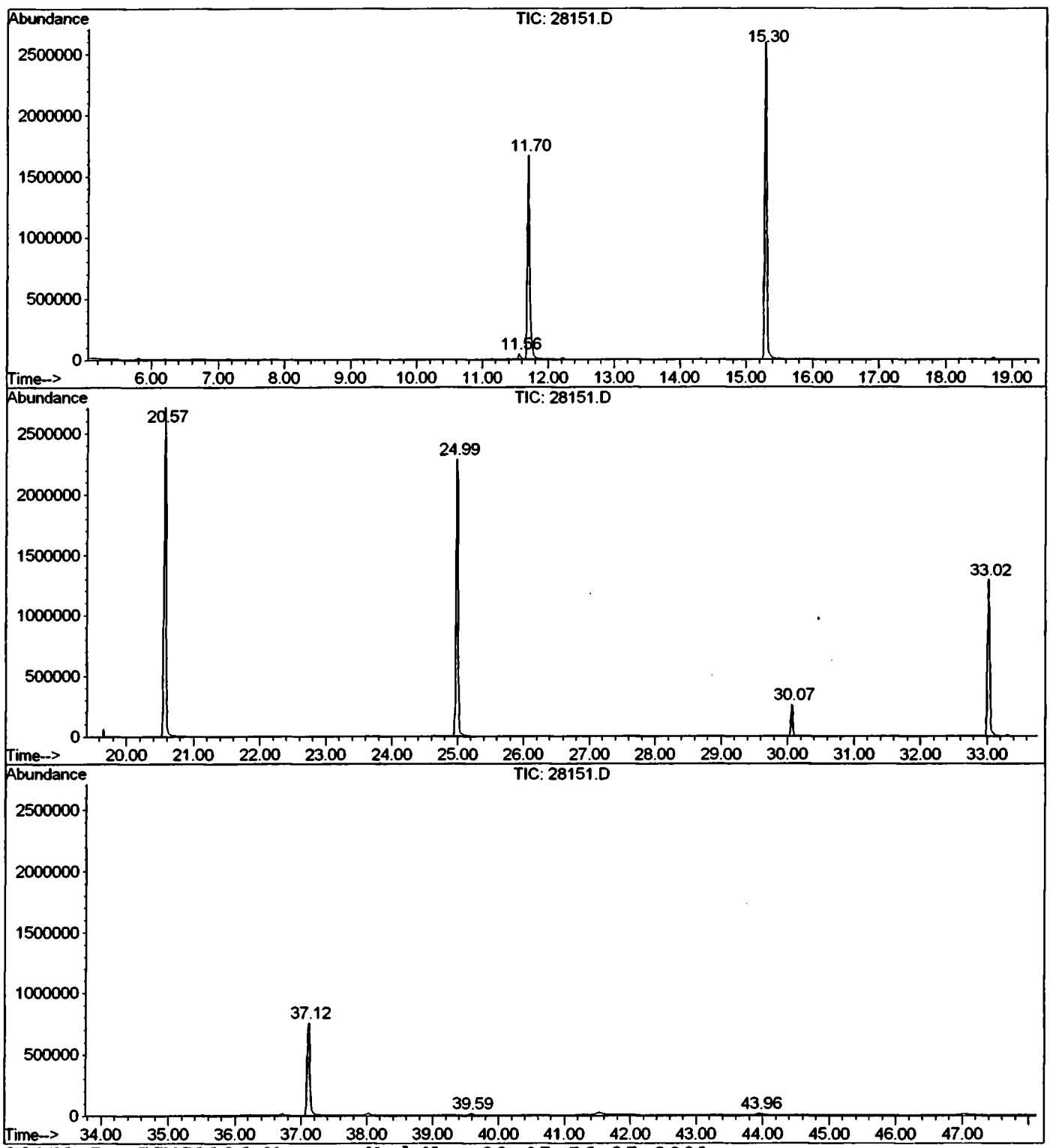
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.560	706	710	720	rBV	42832	98554	1.71%	0.375%
2	11.698	720	725	744	rBV	1668155	4196597	72.75%	15.983%
3	15.296	1112	1117	1137	rBV	2595157	5590625	96.91%	21.292%
4	20.575	1685	1692	1708	rBV	2717381	5768828	100.00%	21.970%
5	24.991	2167	2173	2186	rBV2	2288842	4950207	85.81%	18.853%
6	30.067	2721	2726	2734	rBV	260728	512039	8.88%	1.950%
7	33.023	3041	3048	3069	rBV2	1291236	2902167	50.31%	11.053%
8	37.118	3487	3494	3506	rBV	752011	2076837	36.00%	7.910%
9	39.587	3756	3763	3773	rVB6	15331	60783	1.05%	0.231%
10	43.957	4224	4239	4253	rBV7	13565	100563	1.74%	0.383%

Sum of corrected areas: 26257200

28151.D GCMS1126.M Wed Nov 28 07:56:22 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28151.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 3:19 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/20 scan
Misc Info :
Vial Number: 18
Quant File :GCMS1126.RES (RTE Integrator)



28151.D GCMS1126.M Wed Nov 28 07:56:25 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28151.D Vial: 18
Acq On : 27 Nov 2001 3:19 am Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

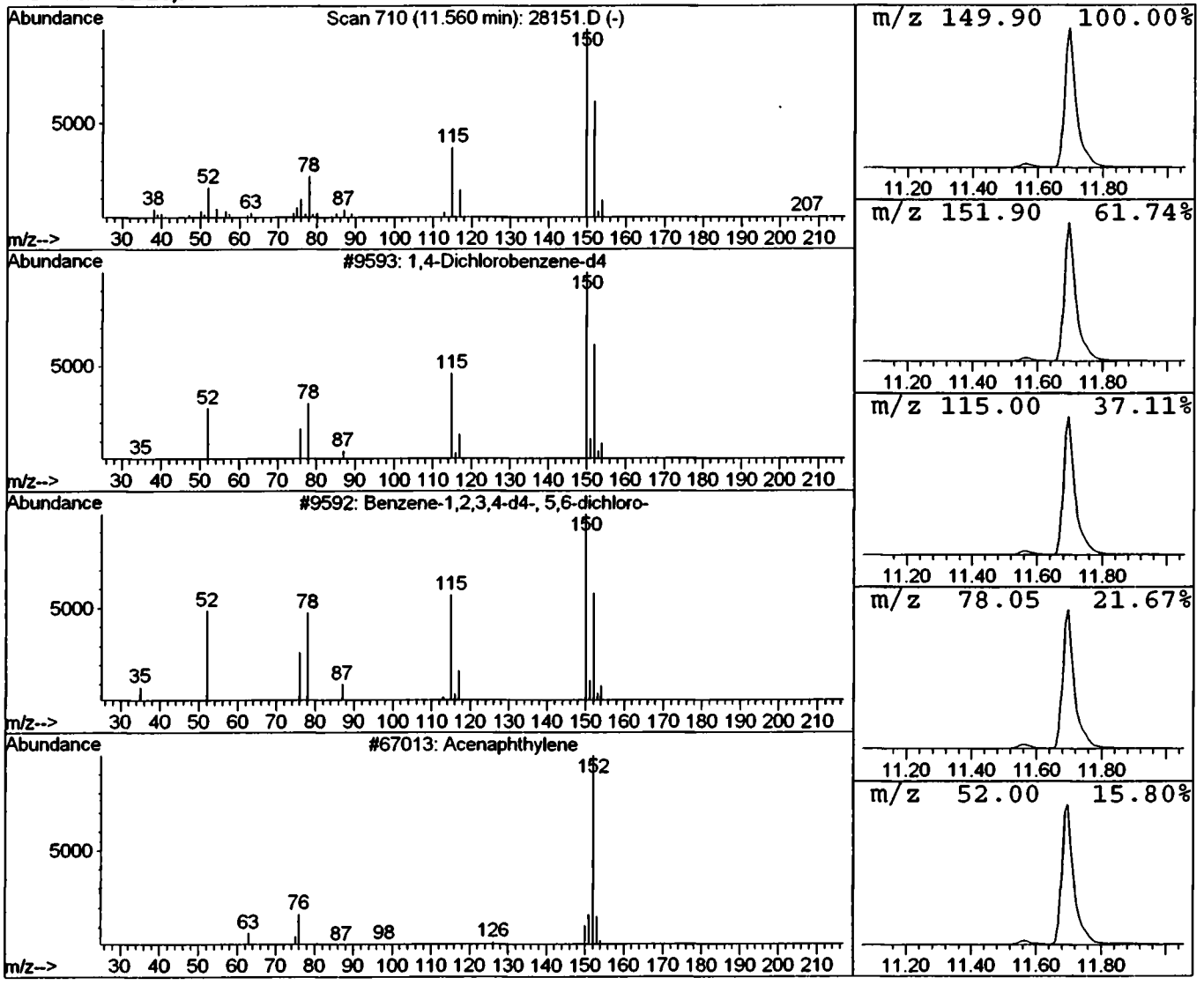
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.47 ug/l	98554	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	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	17
3	Acenaphthylene	152	C12H8	000208-96-8	9
4	Vanillin	152	C8H8O3	000121-33-5	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28151.D
Acq On : 27 Nov 2001 3:19 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

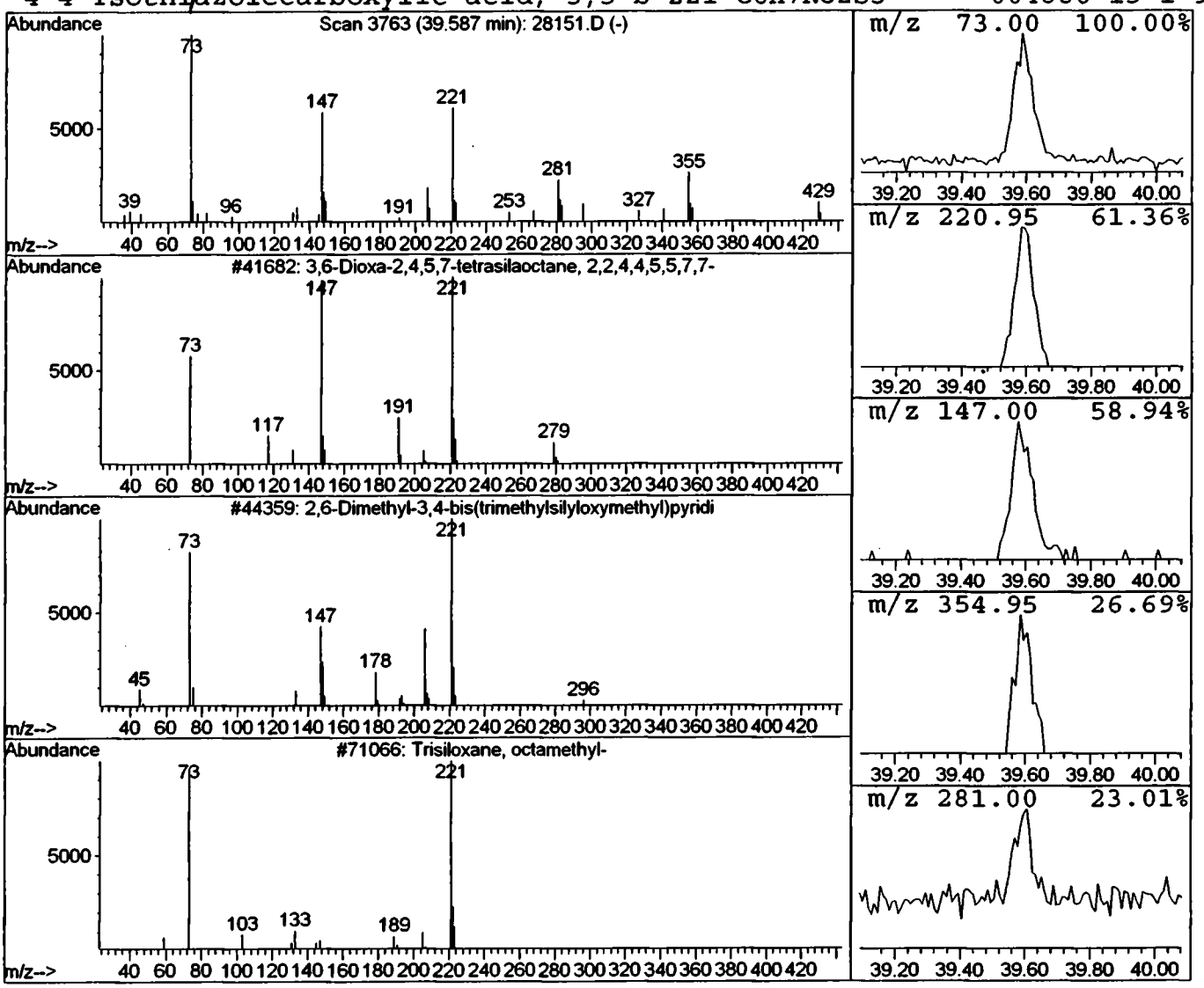
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.59	0.59 ug/l	60783	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	23
2	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	16
3	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	14
4	4-Isothiazolecarboxylic acid, 3,5-b	221	C6H7NO2S3	004886-15-1	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28151.D Vial: 18
Acq On : 27 Nov 2001 3:19 am Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

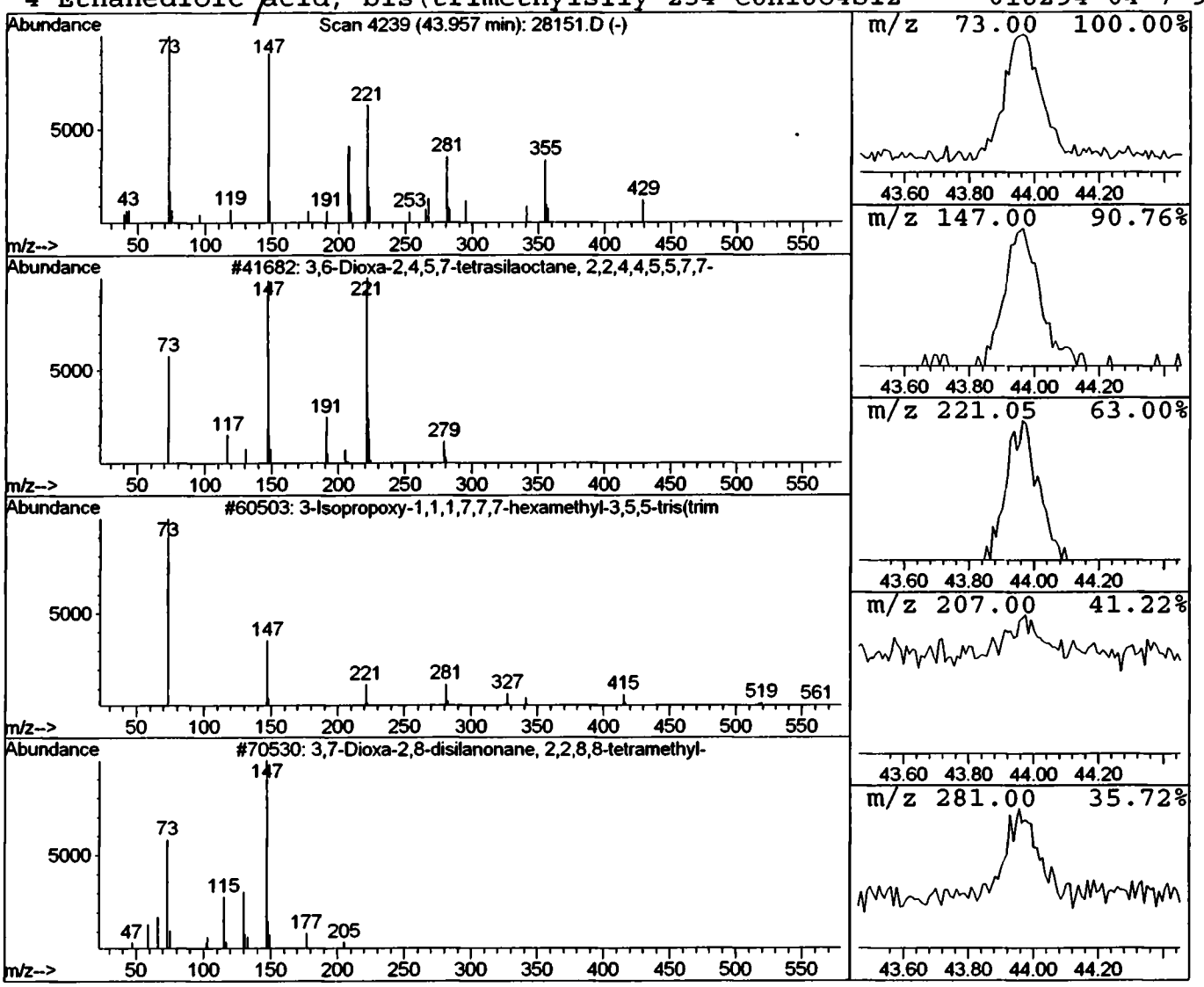
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.96	0.97 ug/l	100563	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	37
2	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
3	3,7-Dioxa-2,8-disilanonane, 2,2,8,8	220	C9H24O2Si2	017887-80-8	9
4	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 3:19 am
Data File: C:\HPCHEM\1\DATA\NOV2601\28151.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	98554	ISTD01	11.70	4196600	20.0
3,6-Dioxa-2,4,5,7-te	39.59	0.6	ug/l	60783	ISTD06	37.12	2076840	20.0
3,6-Dioxa-2,4,5,7-te	43.96	1.0	ug/l	100563	ISTD06	37.12	2076840	20.0

28151.D GCMS1126.M Wed Nov 28 07:56:34 2001