Comments for Sample AD28143 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-28-2001 Time: 16:22:14

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 58%.

Not ISD

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/28/2001 Time: 16:19:07

Sample: AD28143
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/28/01 16:06 Ended: 11/28/01 16:06 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Vial	Result
1	Other unknown compounds		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28143.D Vial: 14
Acq On : 26 Nov 2001 11:25 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 14:24 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	942408	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3610886	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1738703	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2498831	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1391606	20.00	ug/l	0.00
59) Perylene-d12	37.12	264	935454	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	85769	2.88	ug/mL	0.00
Spiked Amount 5.000			Recovery = 57.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.15	74	175	N.D.		
4) Phenol	11.18	94	120	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	446	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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Quant Time: Nov 27 14:24 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	21.04	165	286	N.D.	
38)	Diethylphthalate	22.08	149	582	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	754	N.D.	
49)	Anthracene	25.00	178	754	N.D.	
50)	Di-n-butylphthalate	27.00	149	3411	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	4174	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	12025	N.D.	
58)	Chrysene	33.03	228	4174	N.D.	
60)	Di-n-Octylphthalate	35.05	149	749	N.D.	
61)	Benzo(b)fluoranthene	36.06	252	1185	N.D.	
62)	Benzo(k)fluoranthene	36.12	252	1672	N.D.	
63)	Benzo(a)pyrene	36.97	252	768	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	0.00	276	0	N.D.	

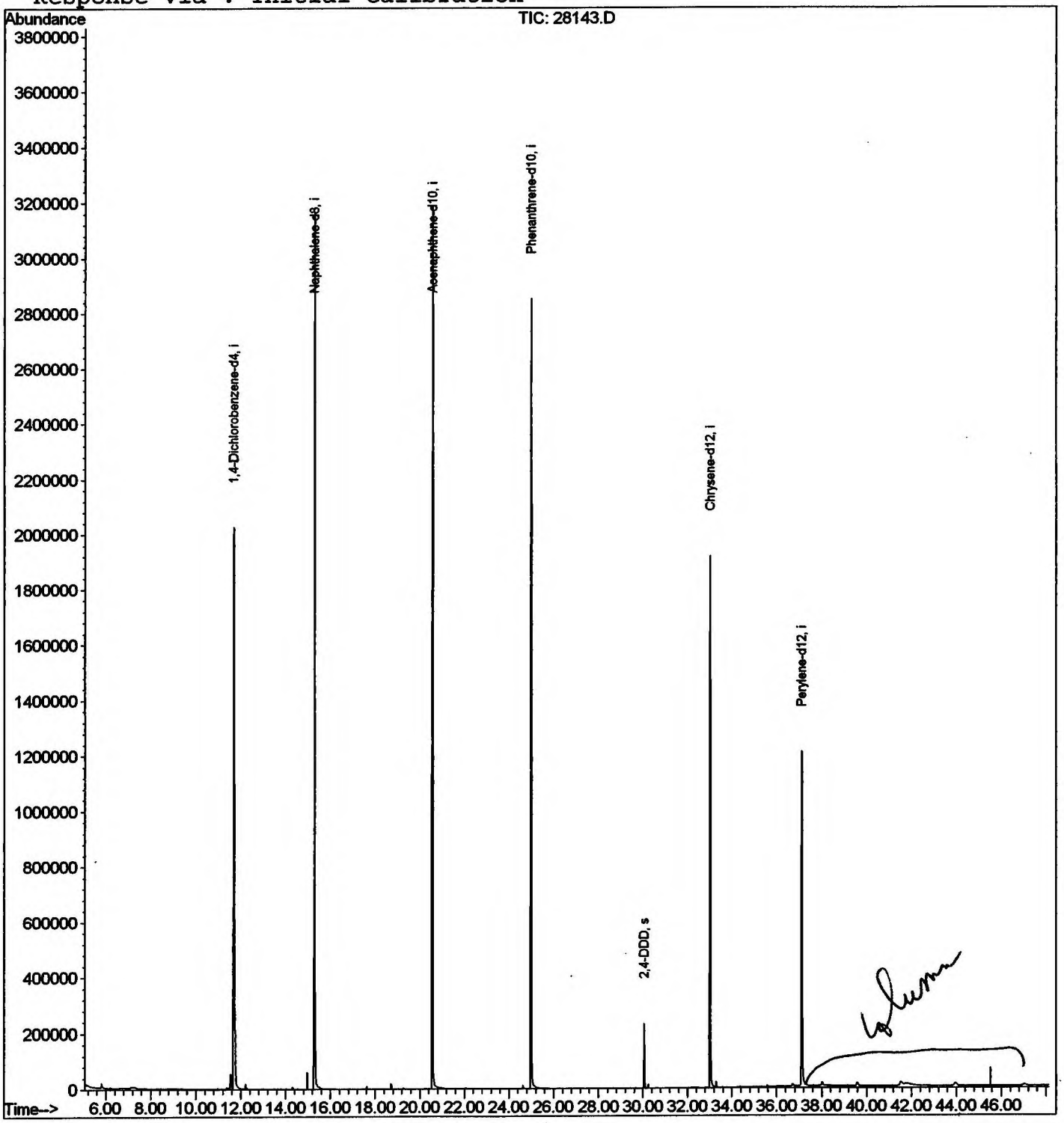
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28143.D
Acq On : 26 Nov 2001 11:25 pm
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 27 14:24 2001

Vial: 14
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\28143.D Vial: 14
Acq On : 26 Nov 2001 11:25 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

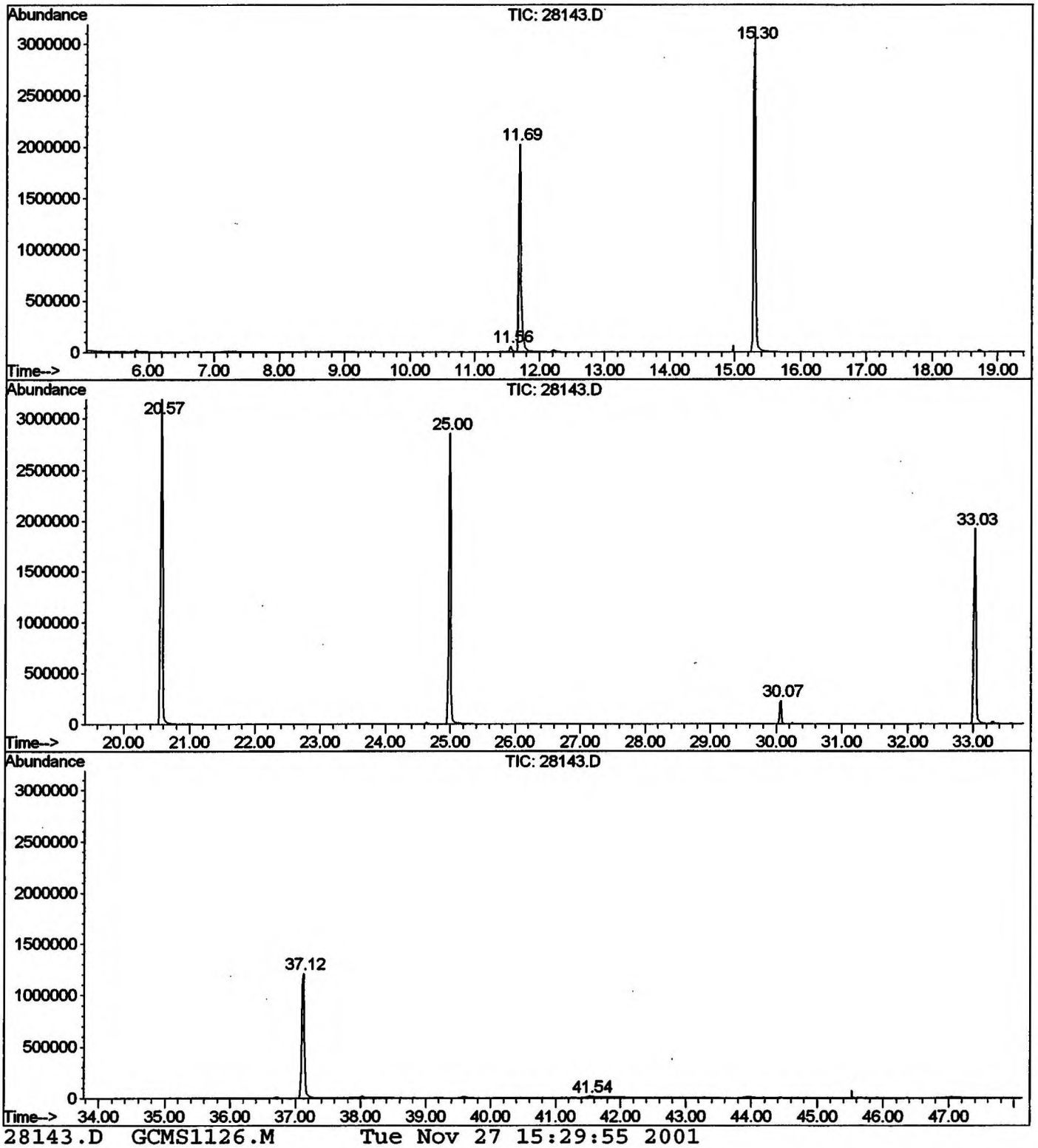
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.565	705	710	719	rVB	51696	122383	1.79%	0.371%
2	11.693	719	724	745	rBV	2022813	4929562	72.07%	14.941%
3	15.301	1111	1117	1134	rBV	3163926	6589528	96.33%	19.972%
4	20.571	1685	1691	1714	rBV	3190992	6840392	100.00%	20.732%
5	24.995	2166	2173	2186	rBV2	2852348	6261703	91.54%	18.978%
6	30.072	2720	2726	2733	rBV	229525	444322	6.50%	1.347%
7	33.028	3040	3048	3066	rBV2	1918741	4356423	63.69%	13.204%
8	37.123	3486	3494	3513	rBV	1203204	3370531	49.27%	10.216%
9	41.538	3965	3975	3981	rBV7	13858	79059	1.16%	0.240%

Sum of corrected areas: 32993903

28143.D GCMS1126.M Tue Nov 27 15:29:52 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28143.D
Operator : 209 GALOS
Acquired : 26 Nov 2001 11:25 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/20 scan
Misc Info :
Vial Number: 14
Quant File :GCMS1126.RES (RTE Integrator)



28143.D GCMS1126.M Tue Nov 27 15:29:55 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28143.D
Acq On : 26 Nov 2001 11:25 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

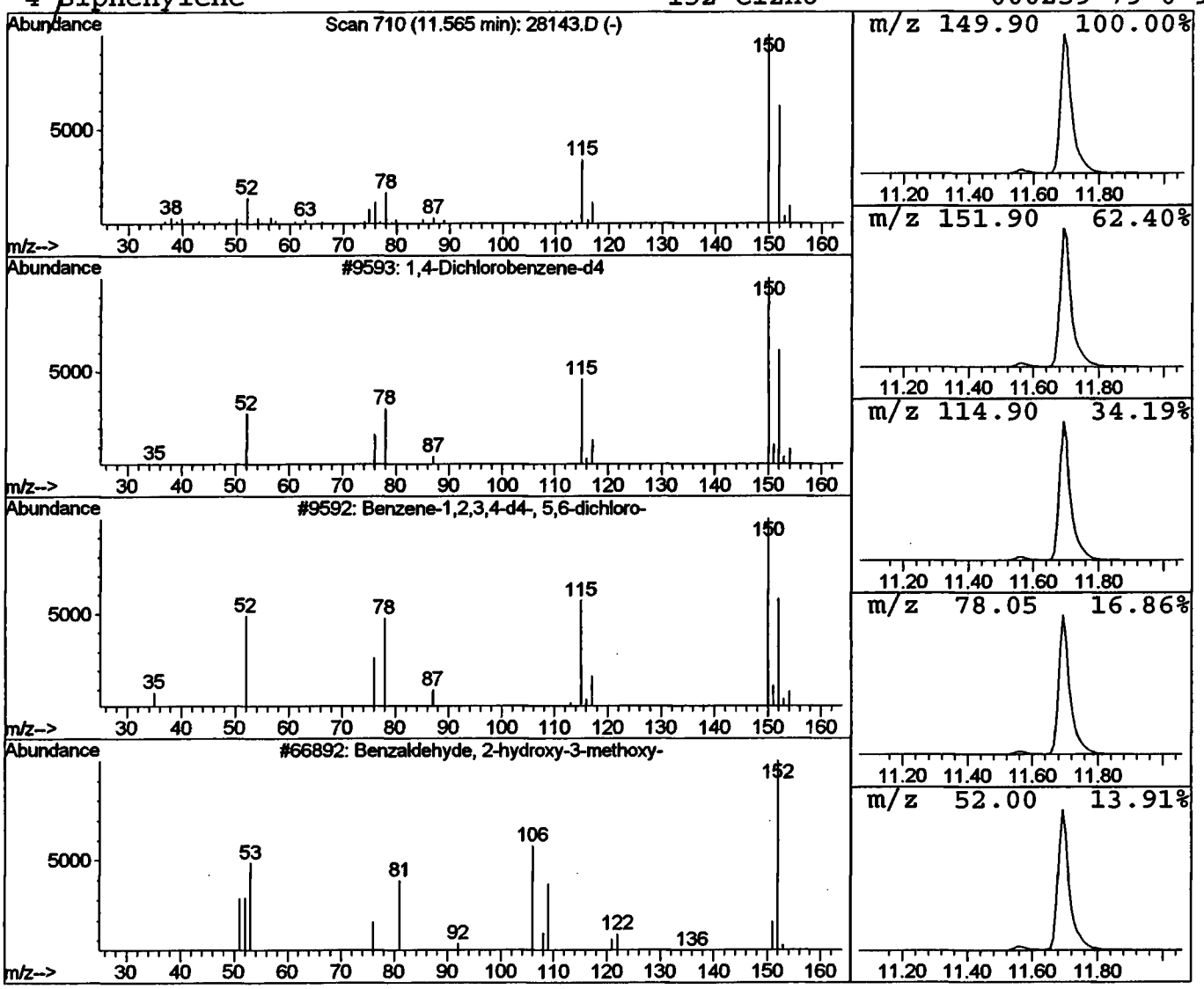
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.50 ug/l	122383	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	50
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	16
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	10
4	Biphenylene	152	C12H8	000259-79-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28143.D
Acq On : 26 Nov 2001 11:25 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

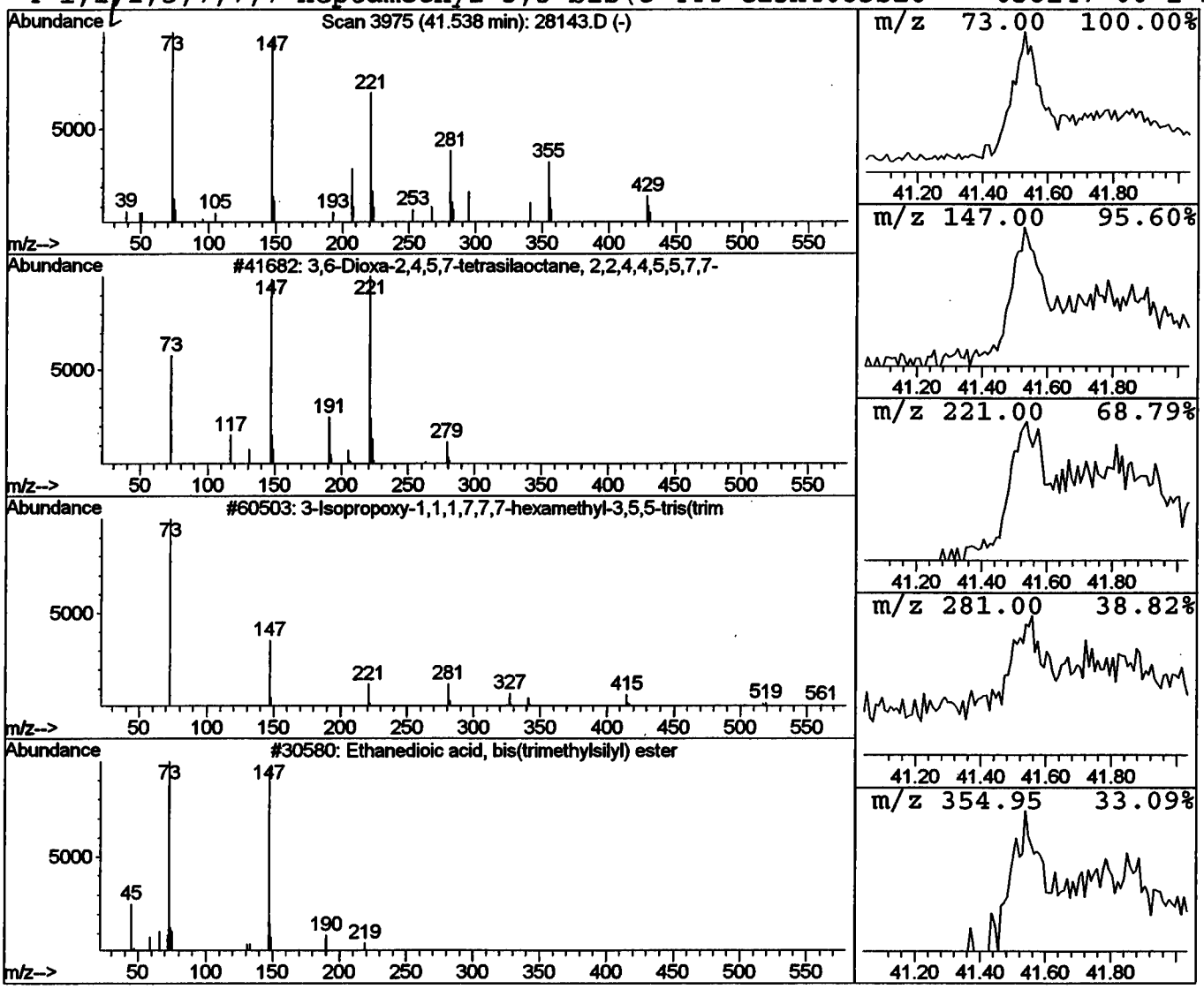
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.54	0.47 ug/l	79059	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	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
3	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	22
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	17



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 26 Nov 2001 11:25 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28143.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	122383	ISTD01	11.69	4929560	20.0
3,6-~~Dioxa-2,4~~,5,7-te	41.54	0.5	ug/l	79059	ISTD06	37.12	3370530	20.0

28143.D GCMS1126.M Tue Nov 27 15:30:02 2001