Comments for Sample AD28469 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-03-2001 Time: 12:27:09

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
However, bis(2-Ethylhexyl)phthalate is present at 55 ug/L, probably due to contamination occuring during collection or analysis. The recovery for the Surrogate Standard in this sample was 46%. 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.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28469.D Vial: 31
Acq On : 29 Nov 2001 3:32 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 16:21 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 : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.70	152	780509	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	2915647	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1364921	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	1841243	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	896221	20.00	ug/l	-0.01
59) Perylene-d12	37.11	264	597531	20.00	ug/l	-0.01
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	50186	2.29	ug/mL	0.00
Spiked Amount 5.000			Recovery = 45.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.71	74	105	N.D.		
4) Phenol	11.38	94	127	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	529	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	20.34	163	469	N.D.		
32) 2,6-Dinitrotoluene	20.13	165	255	N.D.		

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

Quantitation Report (QT Reviewed)

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Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 16:21 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 : GCMS1126

	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	20.94	165	408	N.D.	
38)	Diethylphthalate	22.09	149	470	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	22.71	77	109	N.D.	
43)	4,6-Dinitro-2-methylphenol	22.44	198	2586	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	739	N.D.	
49)	Anthracene	24.99	178	739	N.D.	
50)	Di-n-butylphthalate	27.01	149	11872	N.D.	
51)	Fluoranthene	28.72	202	374	N.D.	
54)	Pyrene	29.35	202	3010	N.D.	
55)	Butylbenzylphthalate	31.97	149	402	N.D.	
56)	Benzo(a)anthracene	33.02	228	2239	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.31	149	3020135	55.32 ug/l	99
58)	Chrysene	33.02	228	2239	N.D.	
60)	Di-n-Octylphthalate	35.46	149	171	N.D.	
61)	Benzo(b)fluoranthene	36.07	252	219	N.D.	
62)	Benzo(k)fluoranthene	36.07	252	219	N.D.	
63)	Benzo(a)pyrene	37.11	252	2307	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.	

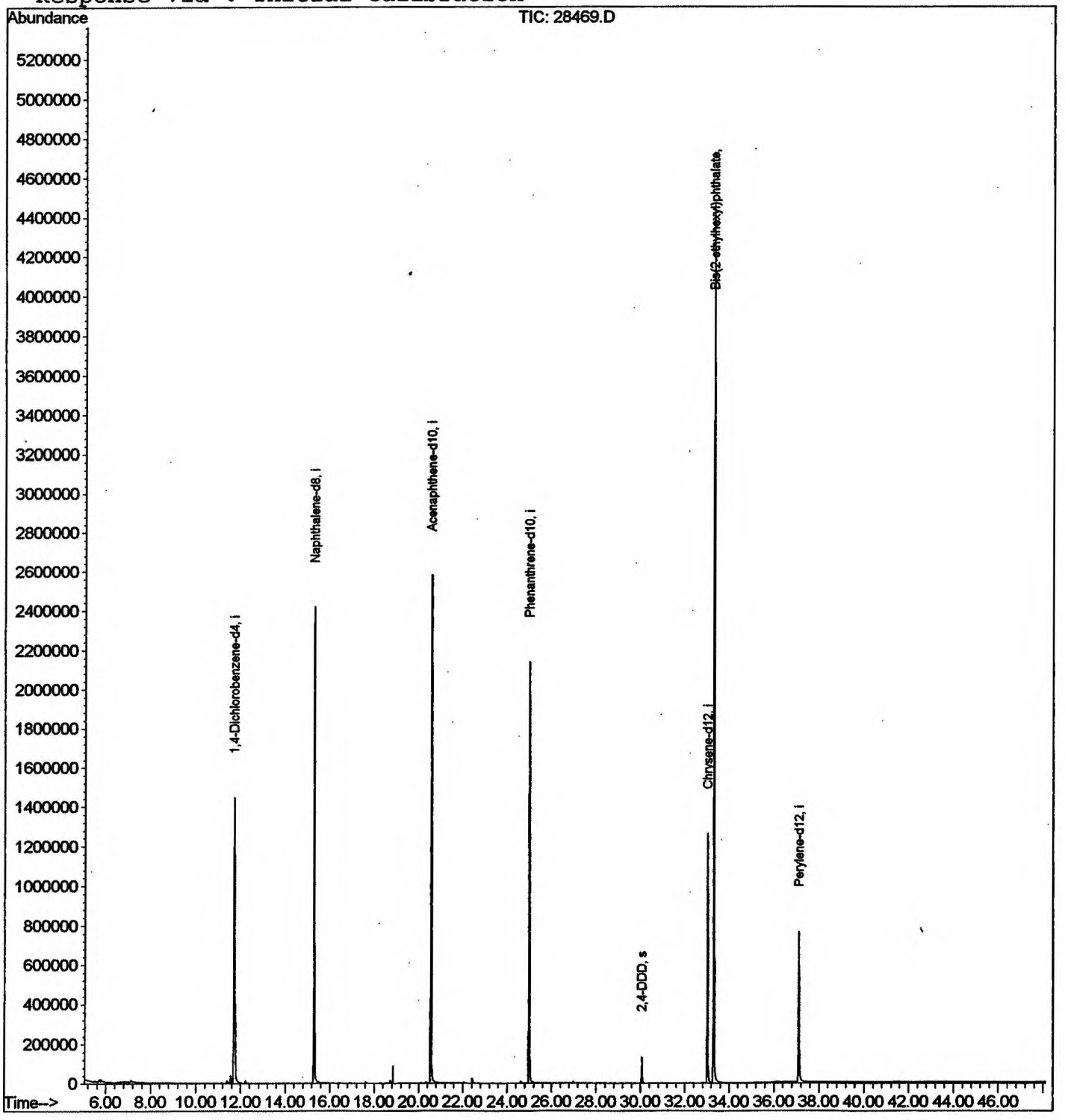
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28469.D
Acq On : 29 Nov 2001 3:32 pm
Sample : 11/21 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 16:21 2001

Vial: 31
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 09:03:50 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28469.D Vial: 31
Acq On : 29 Nov 2001 3:32 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

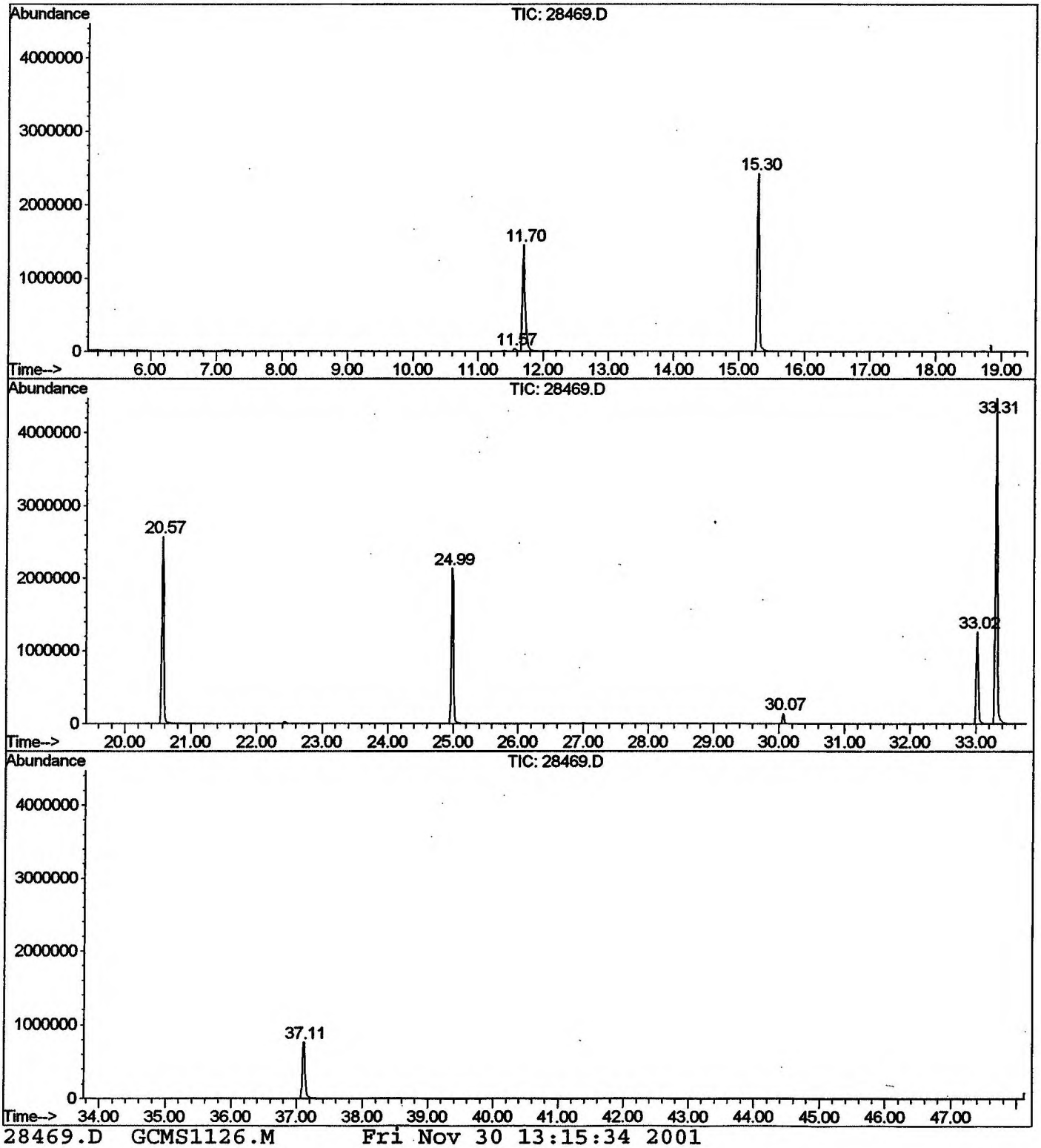
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.569	706	711	720	rBV	35552	102259	1.10%	0.300%
2	11.697	720	725	743	rBV	1443188	4026100	43.12%	11.796%
3	15.305	1112	1118	1135	rBV	2417631	5332745	57.12%	15.625%
4	20.574	1686	1692	1707	rBV	2577406	5435345	58.21%	15.925%
5	24.990	2167	2173	2187	rBV2	2137069	4647496	49.78%	13.617%
6	30.067	2721	2726	2736	rVB	133546	263090	2.82%	0.771%
7	33.023	3041	3048	3064	rBV	1261083	2829545	30.31%	8.290%
8	33.308	3072	3079	3099	rBV	4468531	9336686	100.00%	27.356%
9	37.108	3487	3493	3513	rBV2	759697	2157295	23.11%	6.321%

Sum of corrected areas: 34130561

28469.D GCMS1126.M Fri Nov 30 13:15:31 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28469.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 3:32 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/21 scan
Misc Info :
Vial Number: 31
Quant File :GCMS1126.RES (RTE Integrator)



28469.D GCMS1126.M Fri Nov 30 13:15:34 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28469.D
Acq On : 29 Nov 2001 3:32 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 31
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

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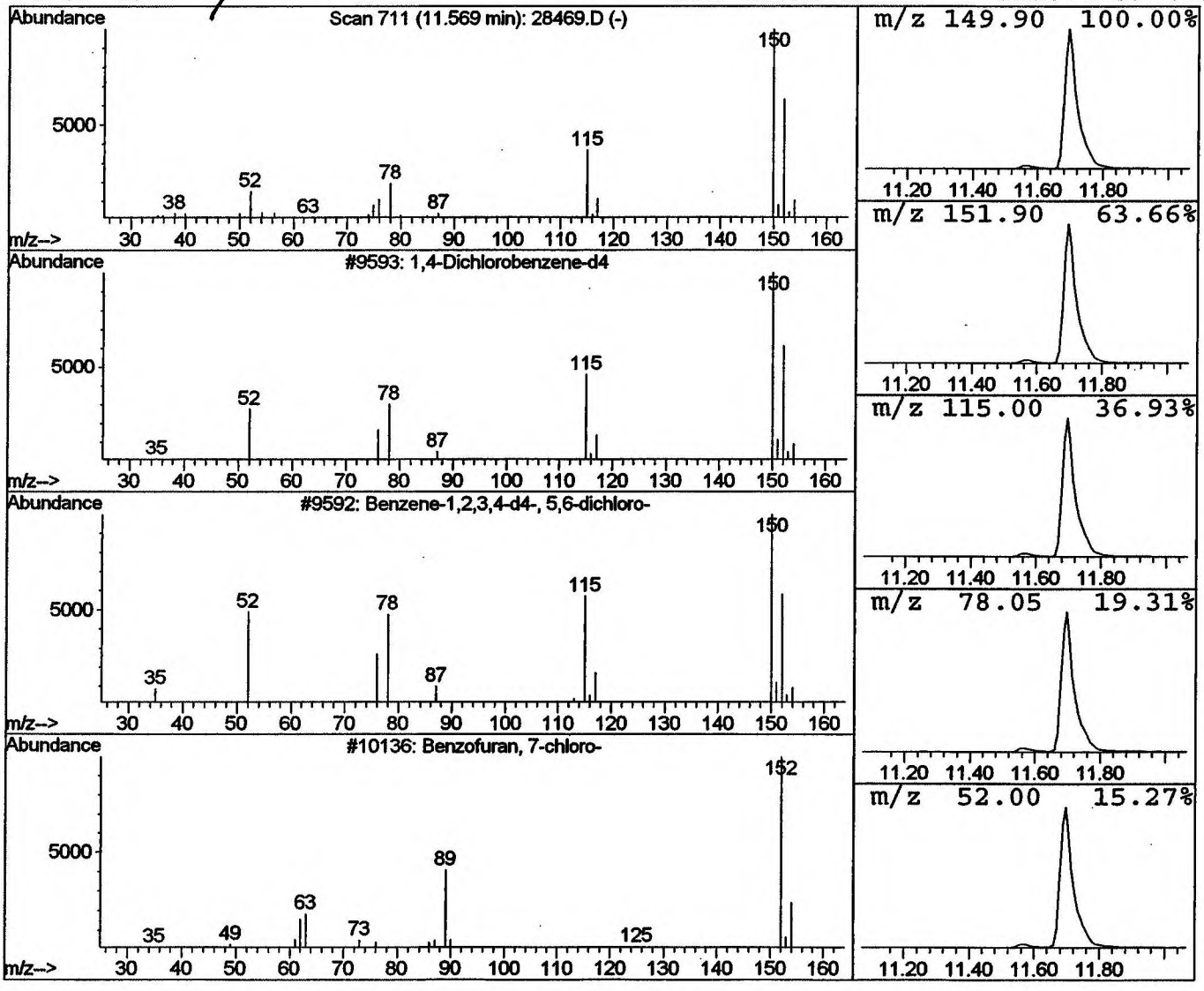
Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.51 ug/l	102259	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	27
3	Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9
4	JP 60	151	C10H17N	013074-39-0	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 3:32 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28469.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-	11.57	0.5	ug/l	102259	ISTD01	11.70	4026100	20.0

28469.D GCMS1126.M Fri Nov 30 13:15:38 2001