User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/30/2001 Time: 11:47:41

Sample: AD28431
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/21/01 10:33 Ended: 11/26/01 10:33 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD28431 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-03-2001 Time: 12:40:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
However, di-n-butylphthalate is present at an estimated level of 0.25 ug/L. The recovery for the Surrogate Standard in this sample was 73%. 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\28431.D Vial: 25
Acq On : 29 Nov 2001 11:38 am Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:31 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	11.69	152	877436	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3338103	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1560005	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2128583	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	1011975	20.00	ug/l	-0.01
59) Perylene-d12	37.11	264	615672	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	92012	3.63	ug/mL	0.00
Spiked Amount 5.000			Recovery = 72.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.17	74	1045	N.D.		
4) Phenol	0.00	94	0	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	12.32	108	108	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	12.98	77	104	N.D.		
17) Isophorone	13.58	82	303	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	767	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.	d	

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

Quantitation Report (QT Reviewed)

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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

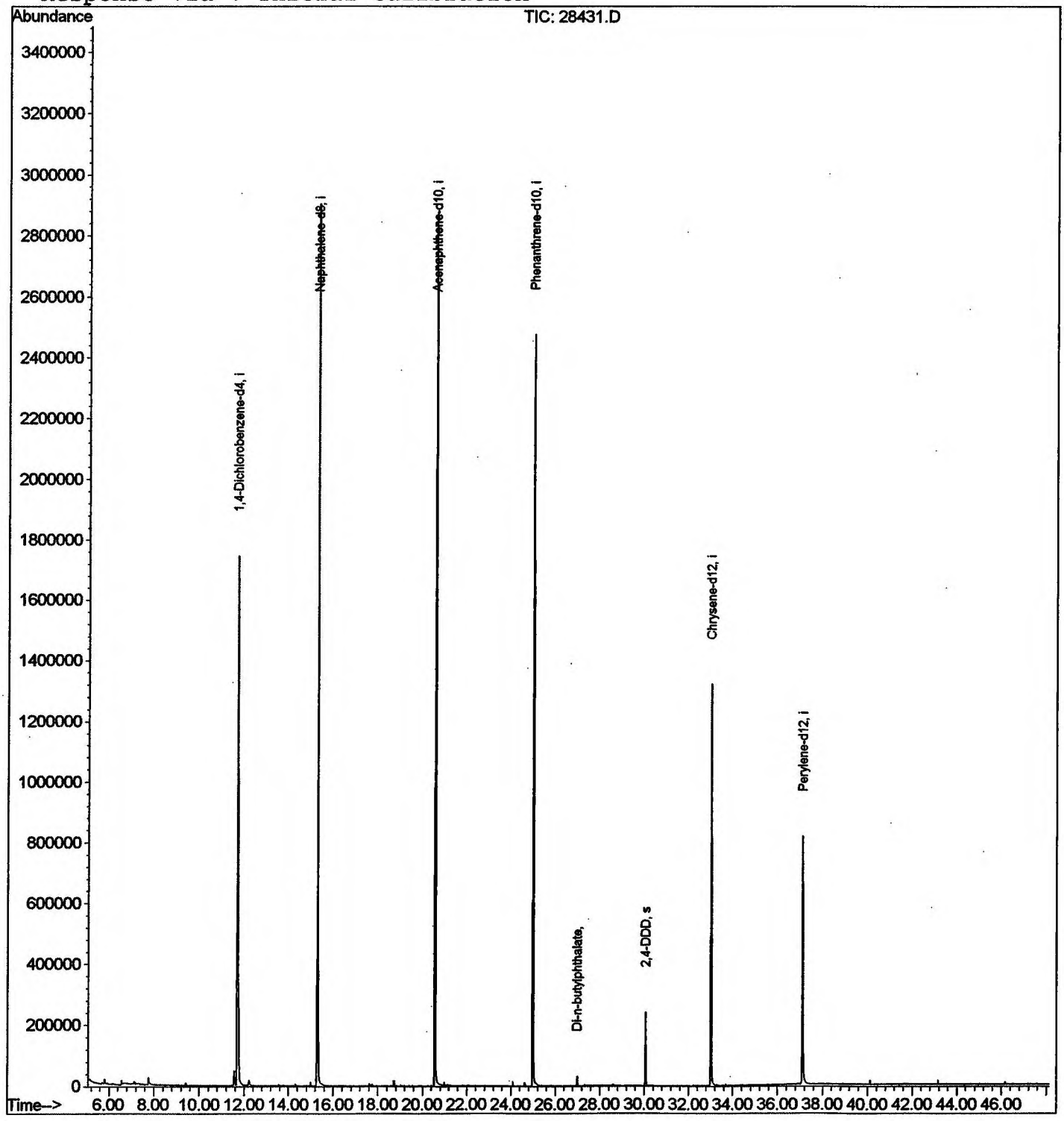
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	21.04	65	194	N.D.	
37)	2,4-Dinitrotoluene	20.84	165	1112	N.D.	
38)	Diethylphthalate	22.09	149	507	N.D.	
39)	4-Chlorophenyl-phenylether	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	25.05	178	725	N.D.	
49)	Anthracene	25.05	178	725	N.D.	
50)	Di-n-butylphthalate	27.01	149	37849	0.25 ug/l	99
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	3949	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	1358	N.D.	
58)	Chrysene	33.10	228	1492	N.D.	
60)	Di-n-Octylphthalate	35.03	149	241	N.D.	
61)	Benzo(b)fluoranthene	36.15	252	1505	N.D.	
62)	Benzo(k)fluoranthene	36.15	252	946	N.D.	
63)	Benzo(a)pyrene	36.94	252	285	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\28431.D Vial: 25
Acq On : 29 Nov 2001 11:38 am Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:31 2001 Quant Results File: GCMS1126.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28431.D Vial: 25
Acq On : 29 Nov 2001 11:38 am 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

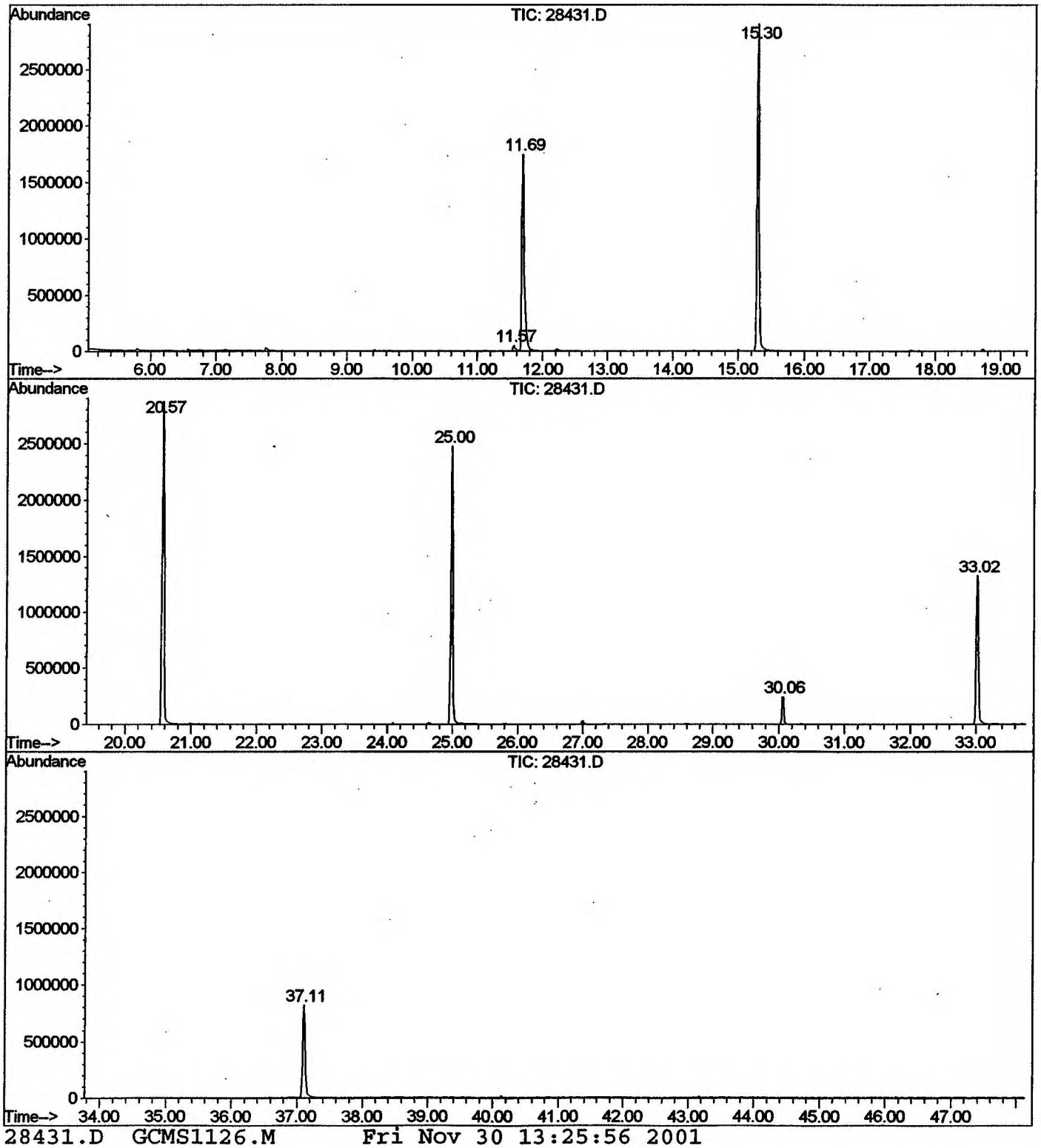
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.565	705	710	719	rBV	47778	122651	1.96%	0.432%
2	11.694	719	724	754	rVV	1743091	4613249	73.90%	16.239%
3	15.302	1111	1117	1135	rBV	2903484	6129349	98.19%	21.576%
4	20.571	1685	1691	1713	rBV	2874952	6242361	100.00%	21.974%
5	24.996	2166	2173	2186	rBV2	2474756	5409021	86.65%	19.040%
6	30.063	2720	2725	2731	rBV	241295	489665	7.84%	1.724%
7	33.020	3041	3047	3072	rBV2	1320701	3178894	50.92%	11.190%
8	37.114	3485	3493	3509	rBV	814225	2223324	35.62%	7.826%

Sum of corrected areas: 28408514

28431.D GCMS1126.M Fri Nov 30 13:25:53 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28431.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 11:38 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/21 scan
Misc Info :
Vial Number: 25
Quant File :GCMS1126.RES (RTE Integrator)



28431.D GCMS1126.M Fri Nov 30 13:25:56 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28431.D
Acq On : 29 Nov 2001 11:38 am
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 25
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

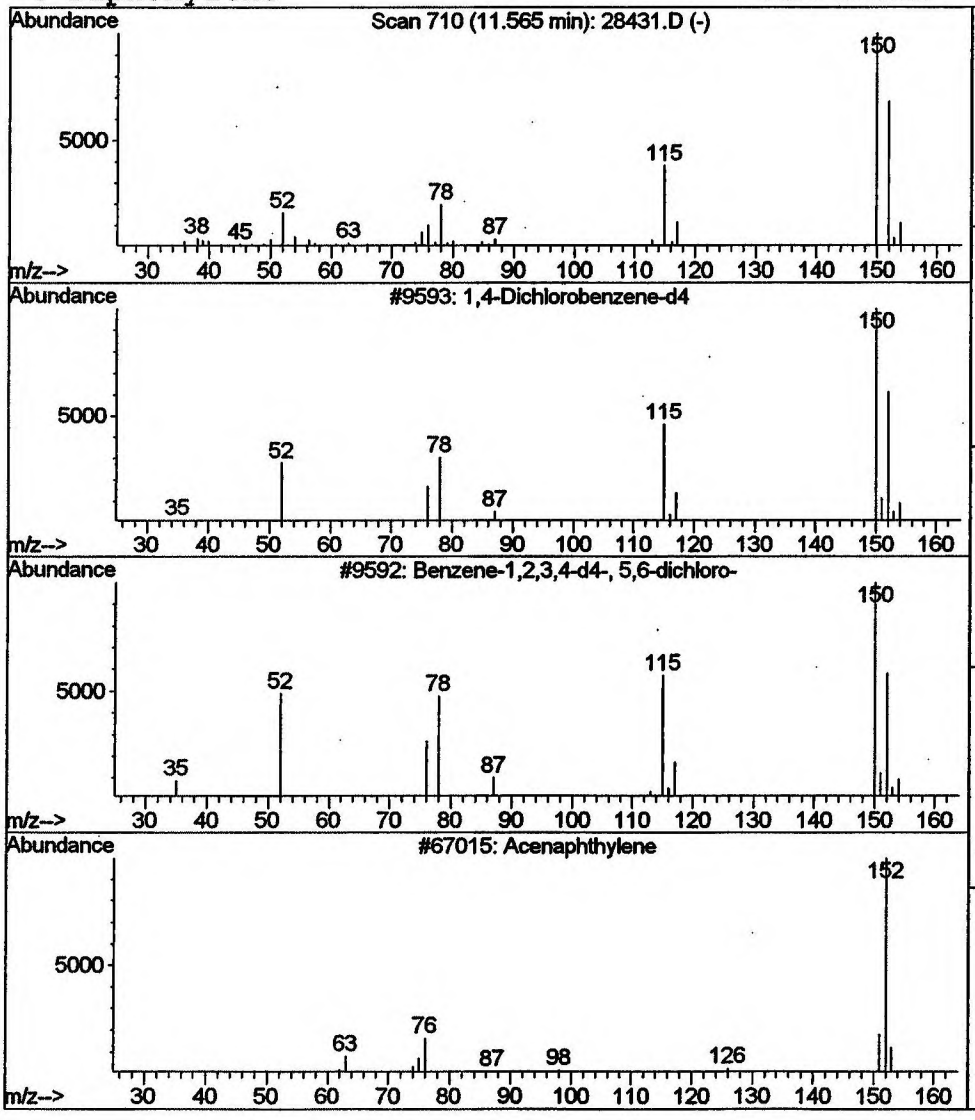
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

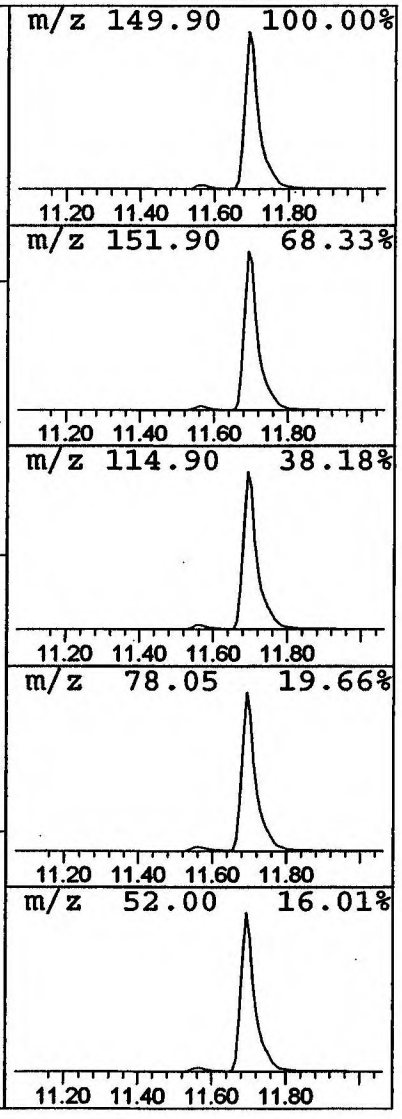
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.53 ug/l	122651	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	Acenaphthylene	152	C12H8	000208-96-8	9
4	Biphenylene	152	C12H8	000259-79-0	9





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 11:38 am
Data File: C:\HPCHEM\1\DATA\NOV2901\28431.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	122651	ISTD01	11.69	4613250	20.0

28431.D GCMS1126.M Fri Nov 30 13:26:00 2001