Comments for Sample AD28477 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:41:33

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recovery for the Surrogate Standard in this sample was 84%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28477.D Vial: 6
Acq On : 27 Nov 2001 10:10 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:13 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 : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.70	152	850663	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3205652	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1527998	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2089717	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1070296	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	698707	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	104351	4.19	ug/mL	0.00
Spiked Amount 5.000			Recovery = 83.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	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	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	1431	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)

Data File : C:\HPCHEM\1\DATA\NOV2601\28477.D Vial: 6
Acq On : 27 Nov 2001 10:10 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:13 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 : NP103001

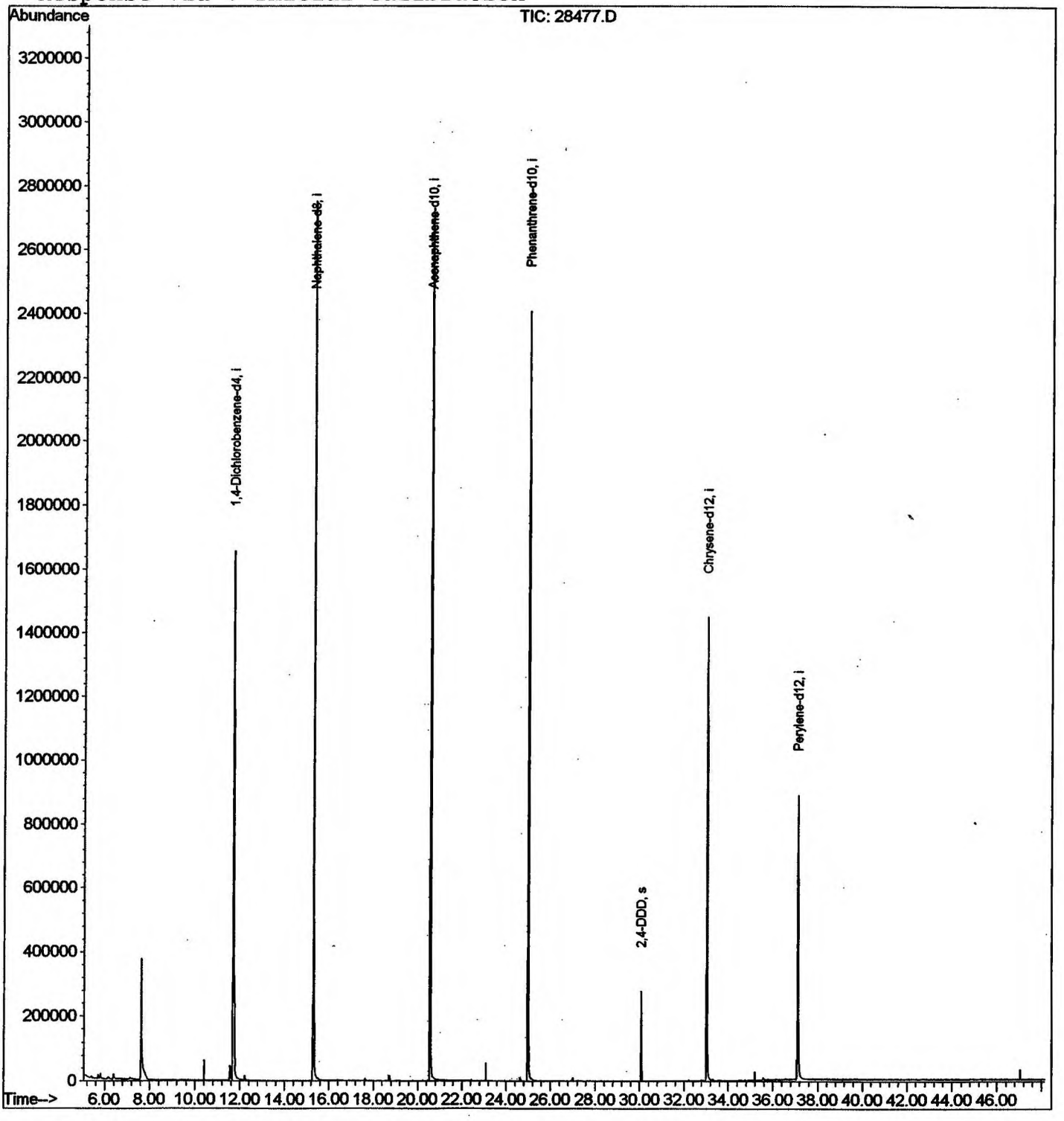
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	20.96	165	177	N.D.	
38) Diethylphthalate	0.00	149	0	N.D.	
39) 4-Chlorophenyl-phenylether	0.00	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	24.99	178	808	N.D.	
49) Anthracene	24.99	178	808	N.D.	
50) Di-n-butylphthalate	27.00	149	12805	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	3314	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.30	149	2591	N.D.	
58) Chrysene	33.03	228	3314	N.D.	
60) Di-n-Octylphthalate	35.04	149	370	N.D.	
61) Benzo(b)fluoranthene	36.07	252	1104	N.D.	
62) Benzo(k)fluoranthene	36.14	252	1095	N.D.	
63) Benzo(a)pyrene	36.96	252	642	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\28477.D Vial: 6
Acq On : 27 Nov 2001 10:10 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:13 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\NOV2601\28477.D Vial: 6
Acq On : 27 Nov 2001 10:10 pm Operator: 209 GALOS
Sample : 11/23 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

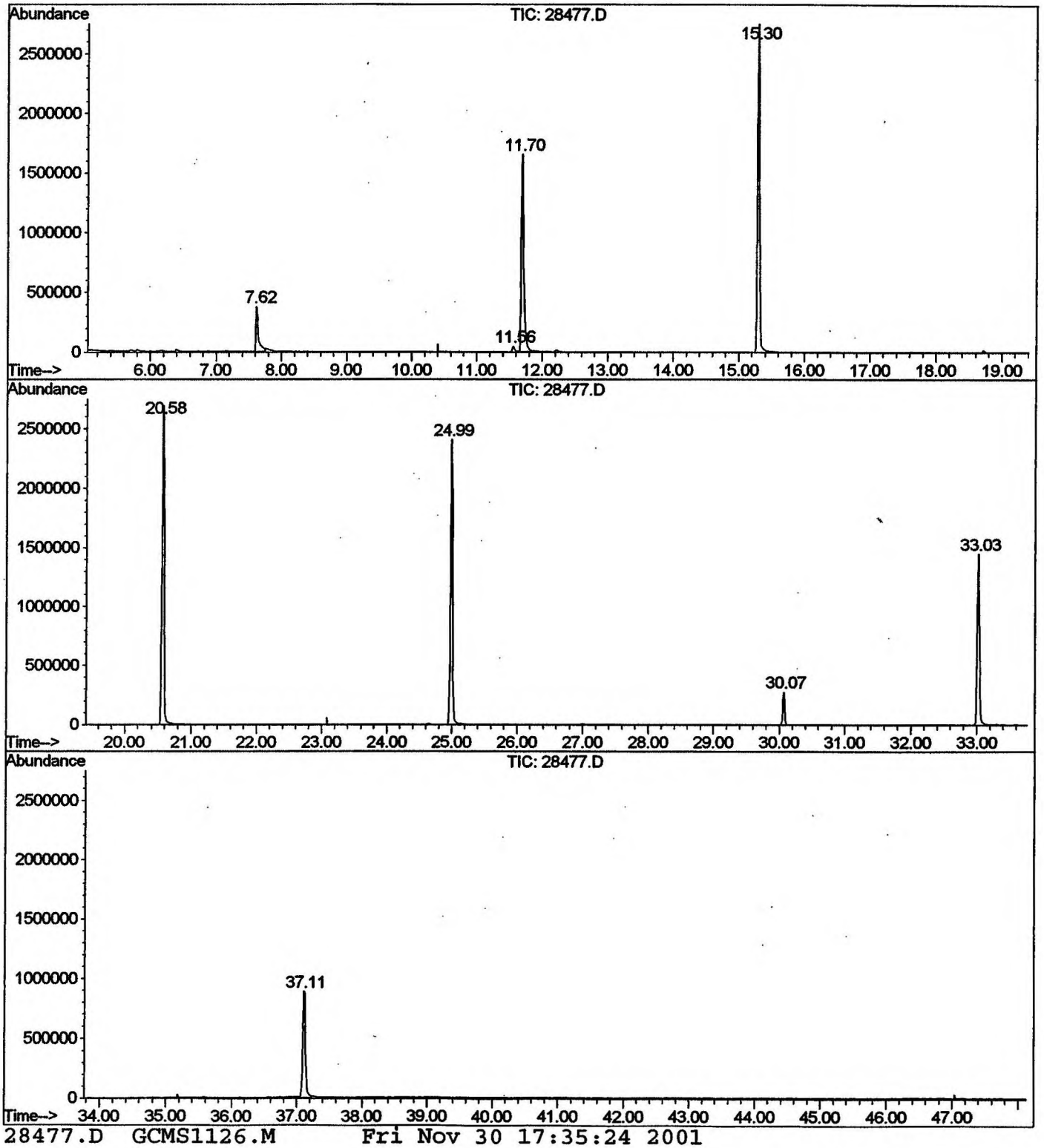
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.624	277	281	295	rBV	374645	986502	16.31%	3.391%
2	11.563	706	710	719	rBV2	45532	110533	1.83%	0.380%
3	11.701	719	725	745	rBV	1653780	4408142	72.88%	15.152%
4	15.299	1111	1117	1137	rBV	2750101	5871323	97.07%	20.182%
5	20.578	1685	1692	1709	rBV	2694117	6048585	100.00%	20.791%
6	24.994	2167	2173	2187	rBV2	2406752	5212571	86.18%	17.918%
7	30.070	2721	2726	2735	rBV	276068	547210	9.05%	1.881%
8	33.026	3041	3048	3065	rBV2	1447626	3383690	55.94%	11.631%
9	37.112	3485	3493	3506	rBV2	884774	2523485	41.72%	8.674%

Sum of corrected areas: 29092041

28477.D GCMS1126.M Fri Nov 30 17:35:22 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28477.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 10:10 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 6
Quant File :GCMS1126.RES (RTE Integrator)



28477.D GCMS1126.M Fri Nov 30 17:35:24 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28477.D
Acq On : 27 Nov 2001 10:10 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

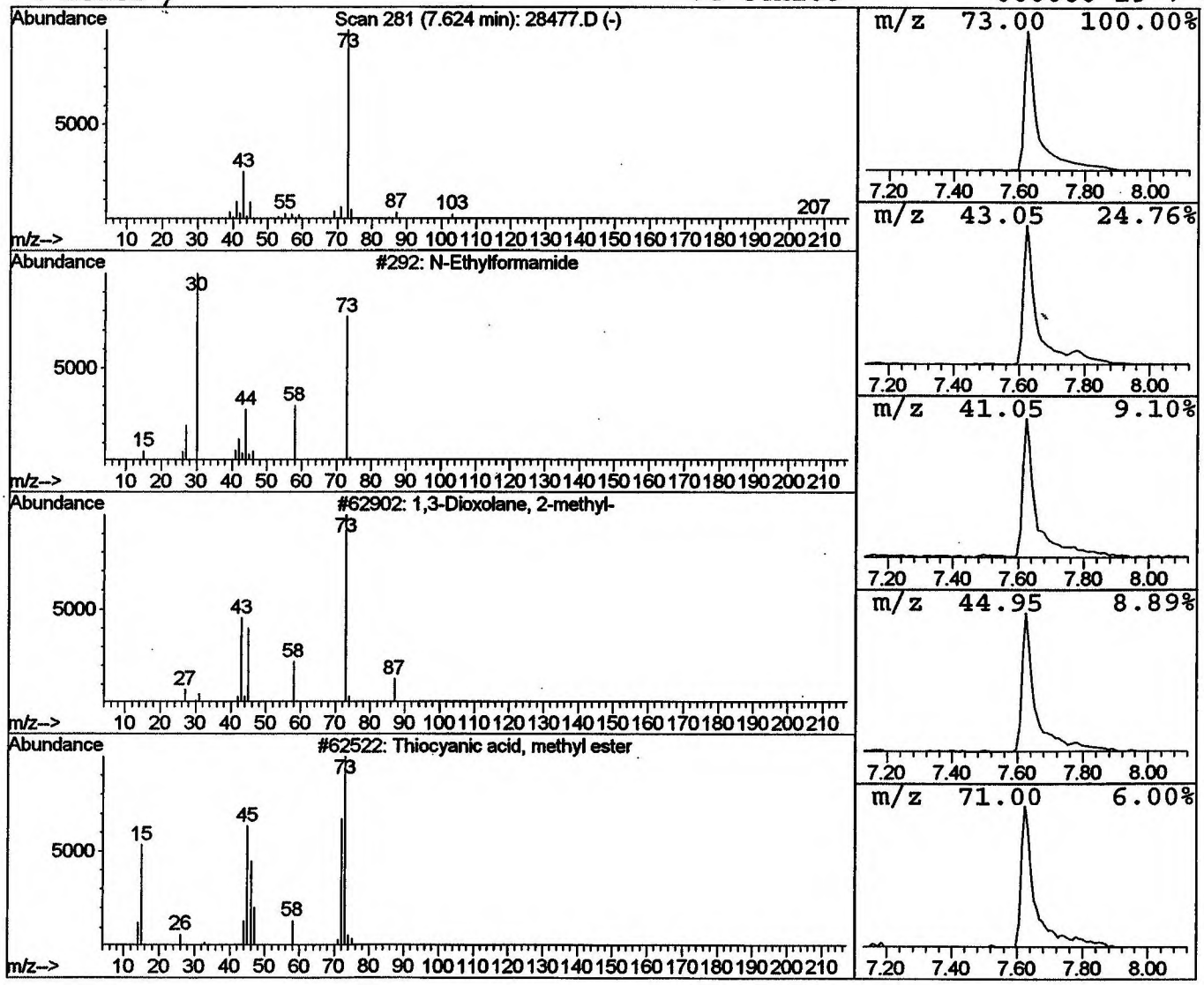
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	4.48 ug/l	986502	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5
3	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	4
4	Ether	74	C4H10O	000060-29-7	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28477.D
Acq On : 27 Nov 2001 10:10 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

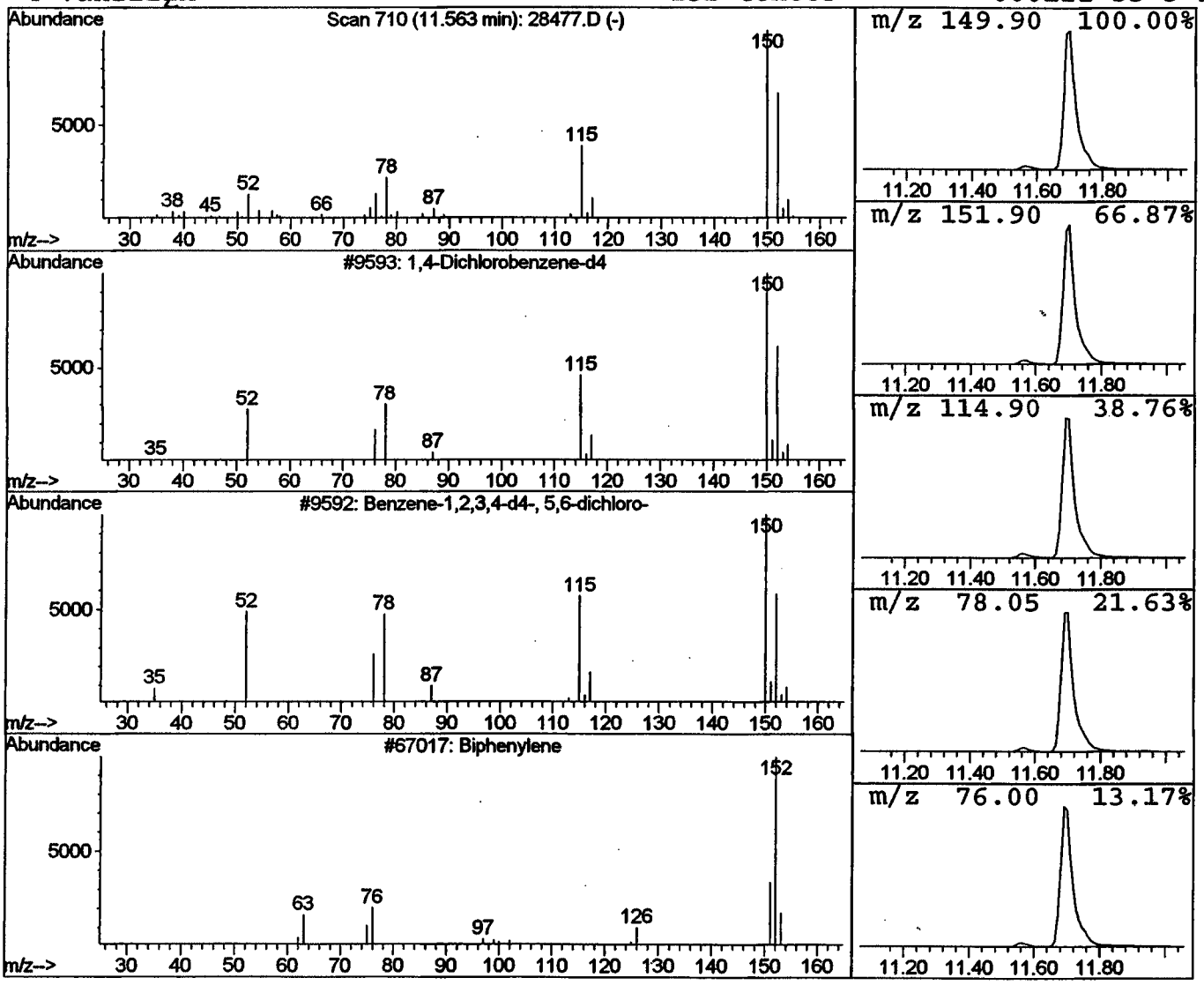
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.50 ug/l	110533	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	91
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	40
3	Biphenylene	152	C12H8	000259-79-0	9
4	Vanillin	152	C8H8O3	000121-33-5	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 10:10 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28477.D
Name: 11/23 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
N-Ethylformamide	7.62	4.5	ug/l	986502	ISTD01	11.70	4408140	20.0
1,4-Dichlorobenzene-	11.56	0.5	ug/l	110533	ISTD01	11.70	4408140	20.0

28477.D GCMS1126.M Fri Nov 30 17:35:31 2001