User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/30/2001 Time: 11:35:06

Sample: AD28473
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

NOT DCP

Comments for Sample AD28473 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-03-2001 Time: 12:29:17

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 95%. 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\NOV2601\28473A.D Vial: 5
Acq On : 27 Nov 2001 9:12 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 15:07 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	11.69	152	925356	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3537435	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1691057	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2346447	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1268007	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	843055	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	132506	4.74	ug/mL	0.00
Spiked Amount 5.000			Recovery = 94.80%			
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	11.74	146	187	N.D.		
8) 1,4-Dichlorobenzene	11.74	146	187	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	812	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\28473A.D Vial: 5
Acq On : 27 Nov 2001 9:12 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 15:07 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

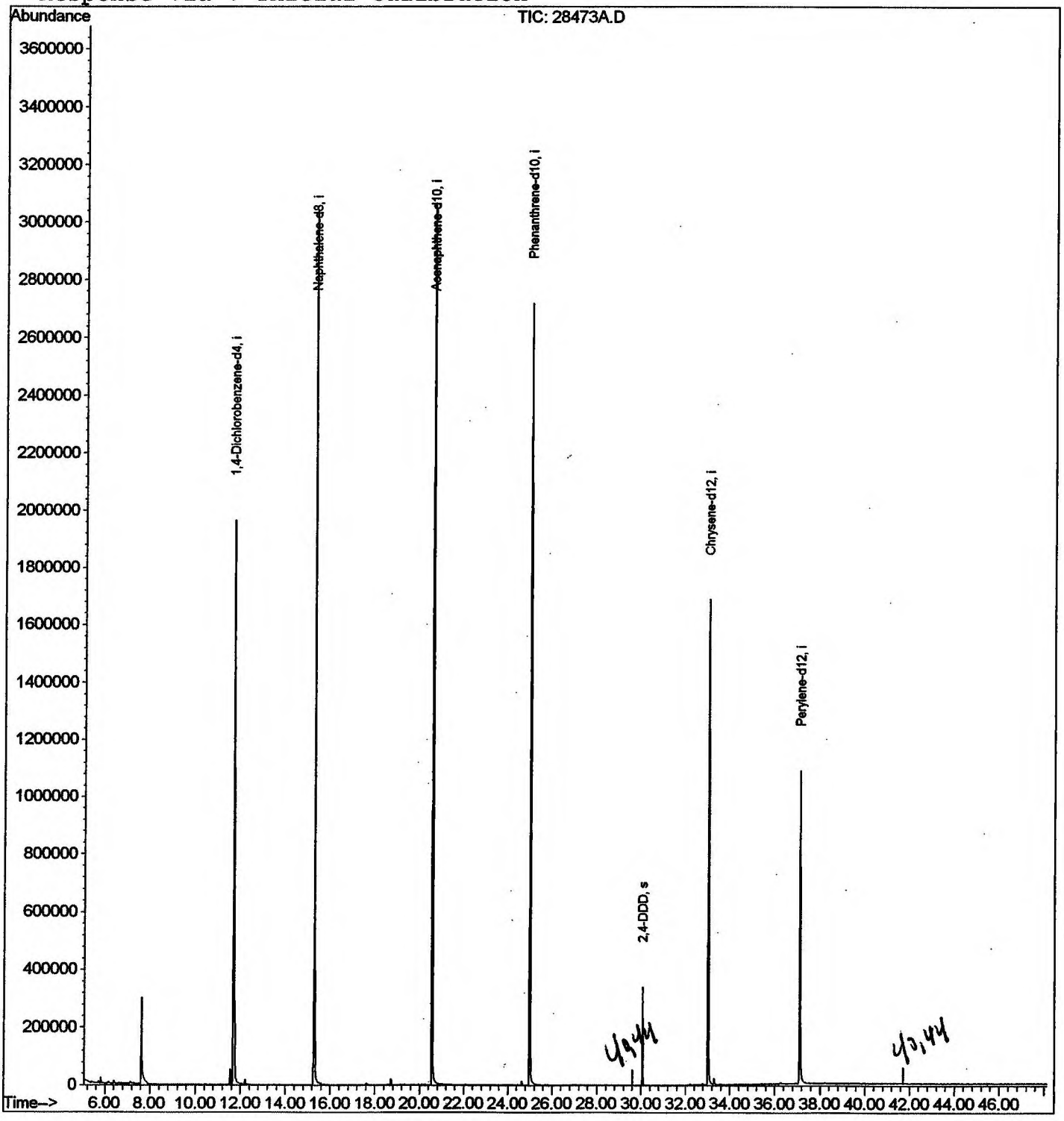
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	21.16	165	183	N.D.	
38) Diethylphthalate	22.10	149	105	N.D.	
39) 4-Chlorophenyl-phenylether	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	888	N.D.	
49) Anthracene	25.00	178	888	N.D.	
50) Di-n-butylphthalate	27.01	149	3284	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	3777	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.30	149	12321	N.D.	
58) Chrysene	33.10	228	737	N.D.	
60) Di-n-Octylphthalate	35.04	149	481	N.D.	
61) Benzo(b)fluoranthene	36.11	252	2217	N.D.	
62) Benzo(k)fluoranthene	36.11	252	2217	N.D.	
63) Benzo(a)pyrene	36.96	252	617	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\28473A.D Vial: 5
Acq On : 27 Nov 2001 9:12 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 15:07 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28473.D Vial: 29
Acq On : 27 Nov 2001 4:18 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 14:22 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	740604	20.00	ug/l	0.00
15) Naphthalene-d8	15.31	136	2803705	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1335637	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	1797207	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	813511	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	525029	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	38225	1.79	ug/mL	0.00
Spiked Amount 5.000			Recovery = 35.80%			
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	15.35	128	441	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\28473.D Vial: 29
Acq On : 27 Nov 2001 4:18 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 14:22 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

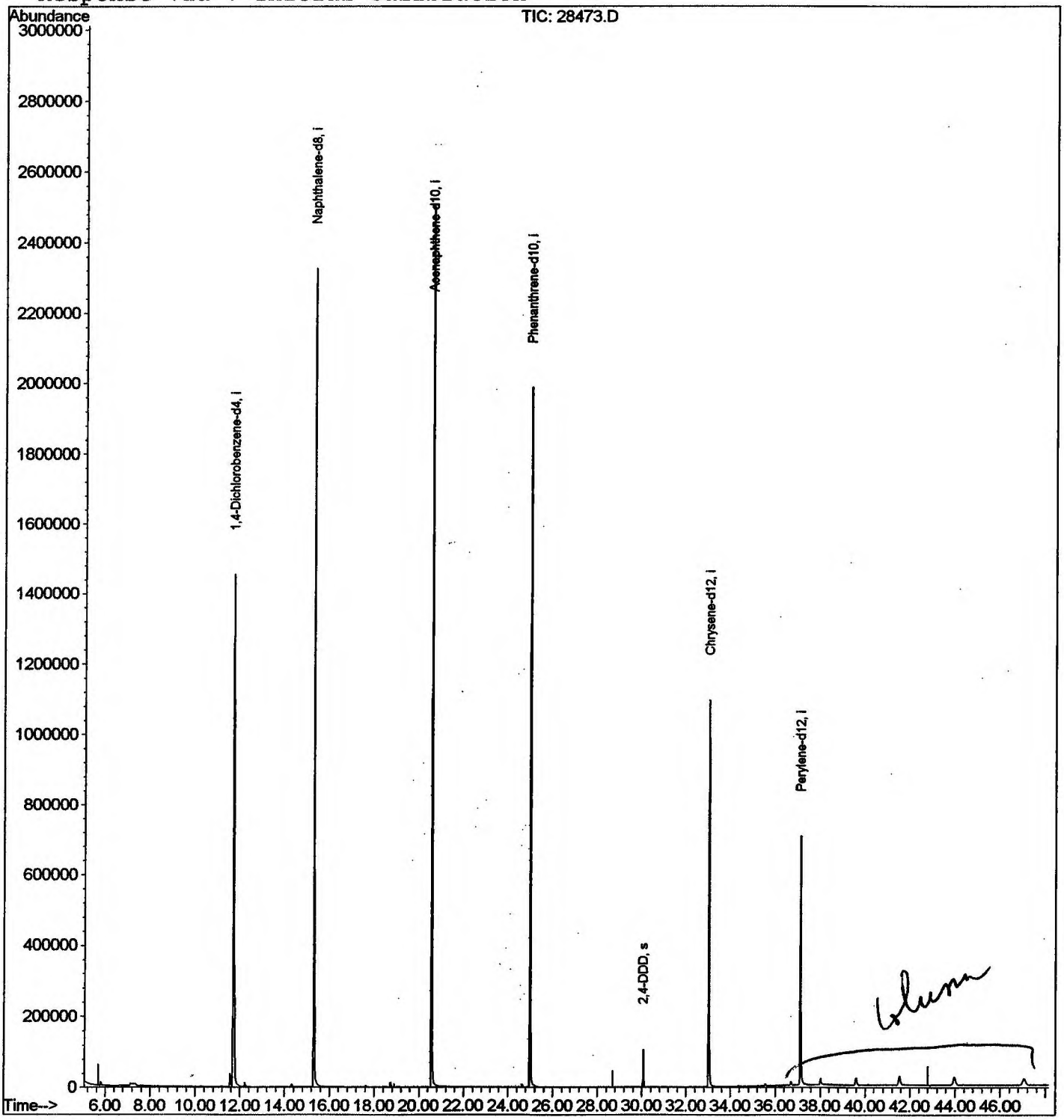
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	21.11	165	172	N.D.	
38) Diethylphthalate	0.00	149	0	N.D.	
39) 4-Chlorophenyl-phenylether	0.00	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	25.00	178	483	N.D.	
49) Anthracene	25.00	178	483	N.D.	
50) Di-n-butylphthalate	27.01	149	2374	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	2017	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.30	149	589	N.D.	
58) Chrysene	33.10	228	311	N.D.	
60) Di-n-Octylphthalate	35.04	149	197	N.D.	
61) Benzo(b)fluoranthene	0.00	252	0	N.D.	
62) Benzo(k)fluoranthene	0.00	252	0	N.D.	
63) Benzo(a)pyrene	37.13	252	2072	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\28473.D Vial: 29
Acq On : 27 Nov 2001 4:18 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 14:22 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\28473A.D Vial: 5
Acq On : 27 Nov 2001 9:12 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

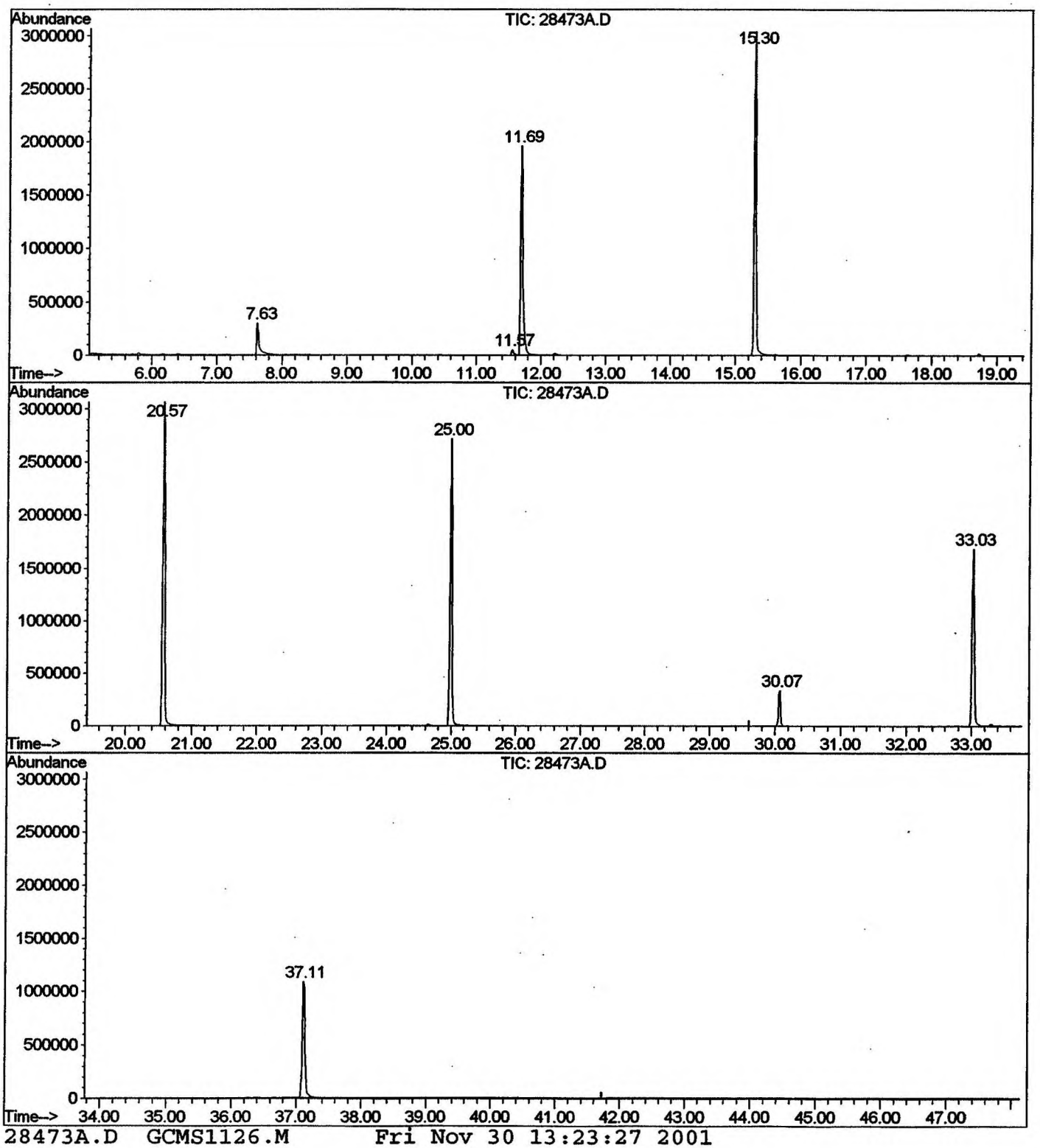
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.627	277	281	301	rBV	299647	823090	12.32%	2.527%
2	11.566	705	710	719	rBV	52152	124680	1.87%	0.383%
3	11.694	719	724	742	rBV	1962911	4840480	72.45%	14.859%
4	15.302	1111	1117	1134	rBV	3039071	6471119	96.85%	19.864%
5	20.572	1685	1691	1710	rBV	3064785	6681355	100.00%	20.510%
6	24.996	2166	2173	2186	rBV2	2717619	5874522	87.92%	18.033%
7	30.073	2720	2726	2731	rBV	337864	694304	10.39%	2.131%
8	33.029	3041	3048	3066	rBV2	1685459	4012101	60.05%	12.316%
9	37.114	3486	3493	3515	rBV2	1083296	3054661	45.72%	9.377%

Sum of corrected areas: 32576312

28473A.D GCMS1126.M Fri Nov 30 13:23:25 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28473A.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 9:12 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 5
Quant File :GCMS1126.RES (RTE Integrator)



28473A.D GCMS1126.M Fri Nov 30 13:23:27 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28473A.D
Acq On : 27 Nov 2001 9:12 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 5
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

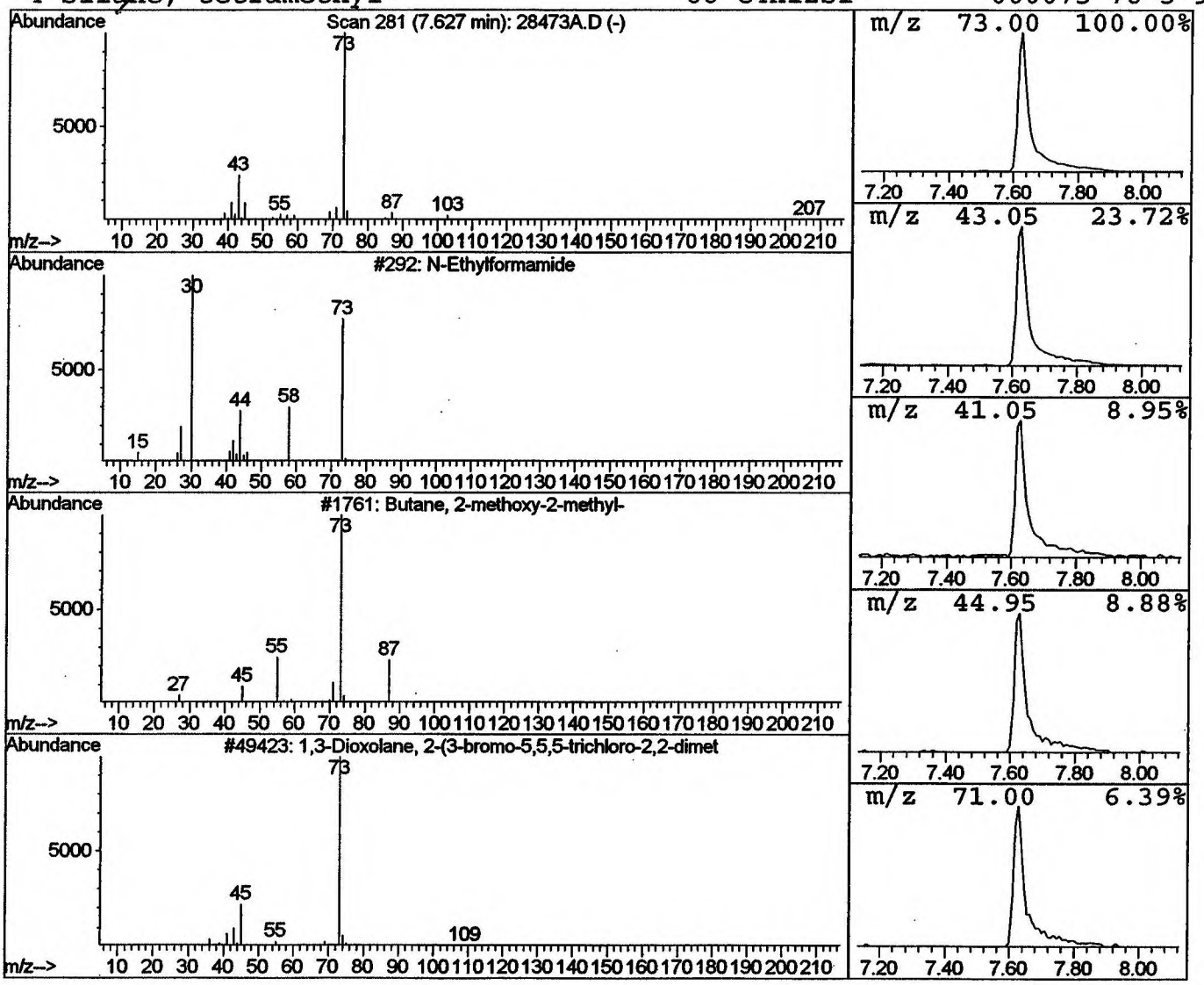
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	3.40 ug/l	823090	1,4-Dichlorobenzene-d4	11.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28473A.D Vial: 5
Acq On : 27 Nov 2001 9:12 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

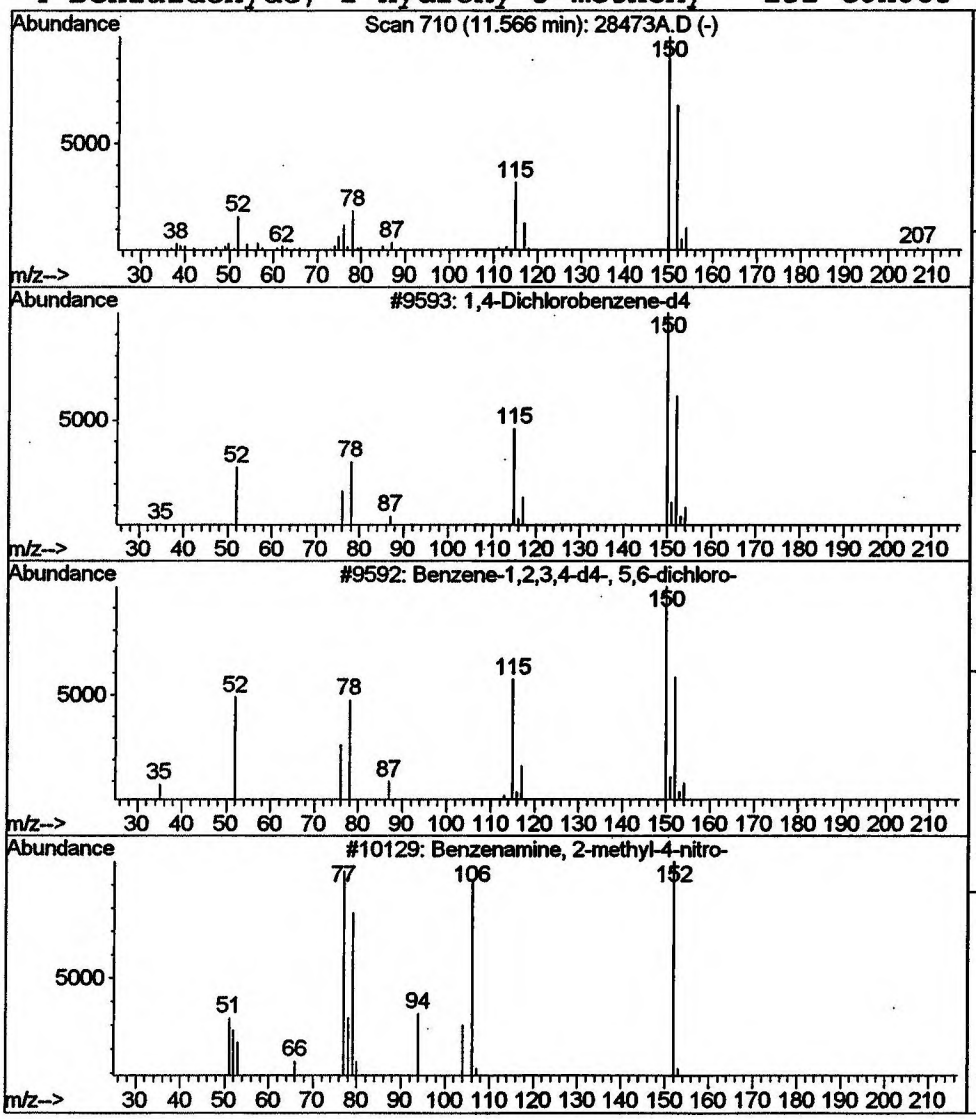
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

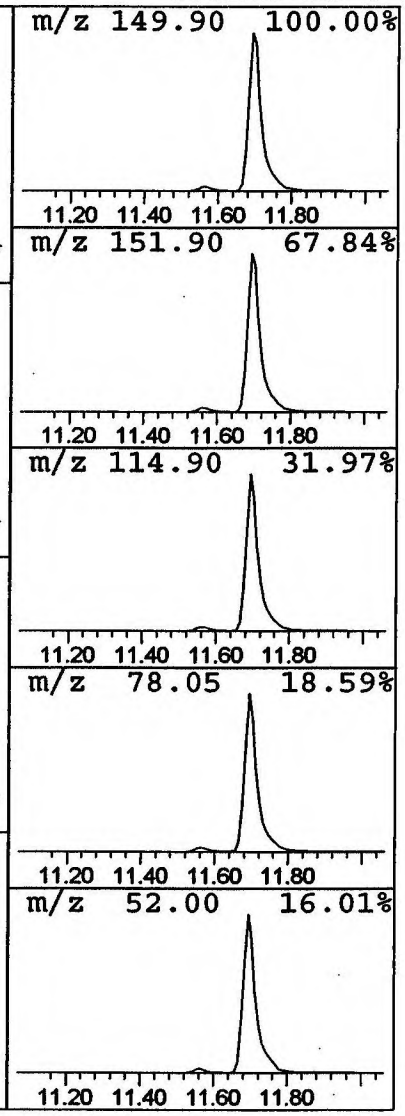
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.52 ug/l	124680	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	33
3	Benzenamine, 2-methyl-4-nitro-	152	C7H8N2O2	000099-52-5	22
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 9:12 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28473A.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	7.63	3.4	ug/l	823090	ISTD01	11.69	4840480	20.0
1,4-Dichlorobenzene-	11.57	0.5	ug/l	124680	ISTD01	11.69	4840480	20.0

28473A.D GCMS1126.M Fri Nov 30 13:23:34 2001