User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/29/2001 Time: 09:45:18

Sample: AD28145
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/29/01 09:25 Ended: 11/29/01 09:25 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		

Not DEP

Comments for Sample AD28145 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-29-2001 Time: 09:45:13

The GCMS scan, from 35 to 550 amu, reveals the unconfirmed presence of 2-Ethyl-1-hexanol, with a probability fit of 86 out of 100; and 4,4'-(1-methylethylidene)bis-phenol with a probability fit of 94 out of 100. Their estimated levels are 0.8 ug/L and 0.5 ug/L respectively. 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 85%.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D Vial: 10
Acq On : 26 Nov 2001 7:29 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 12:51 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

see last pg

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.70	152	905247	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3442394	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1662840	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2358980	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1243538	20.00	ug/l	0.00
59) Perylene-d12	37.12	264	853886	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	118870	4.23	ug/mL	0.00
Spiked Amount 5.000			Recovery =	84.60%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.18	74	442	N.D.		
4) Phenol	11.36	94	181	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	890	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)

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D Vial: 10
Acq On : 26 Nov 2001 7:29 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 12:51 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	21.00	165	112	N.D.	
38)	Diethylphthalate	22.09	149	877	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	362	N.D.	
49)	Anthracene	25.05	178	362	N.D.	
50)	Di-n-butylphthalate	27.00	149	10729	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.53	149	429	N.D.	
56)	Benzo(a)anthracene	33.03	228	5011	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	12151	N.D.	
58)	Chrysene	33.10	228	3038	N.D.	
60)	Di-n-Octylphthalate	35.04	149	2094	N.D.	
61)	Benzo(b)fluoranthene	36.06	252	3841	N.D.	
62)	Benzo(k)fluoranthene	36.13	252	5773	N.D.	
63)	Benzo(a)pyrene	36.95	252	2968	N.D.	
64)	Indeno(1,2,3-cd)pyrene	40.86	276	305	N.D.	
65)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66)	Benzo(g,h,i)perylene	41.93	276	1128	N.D.	

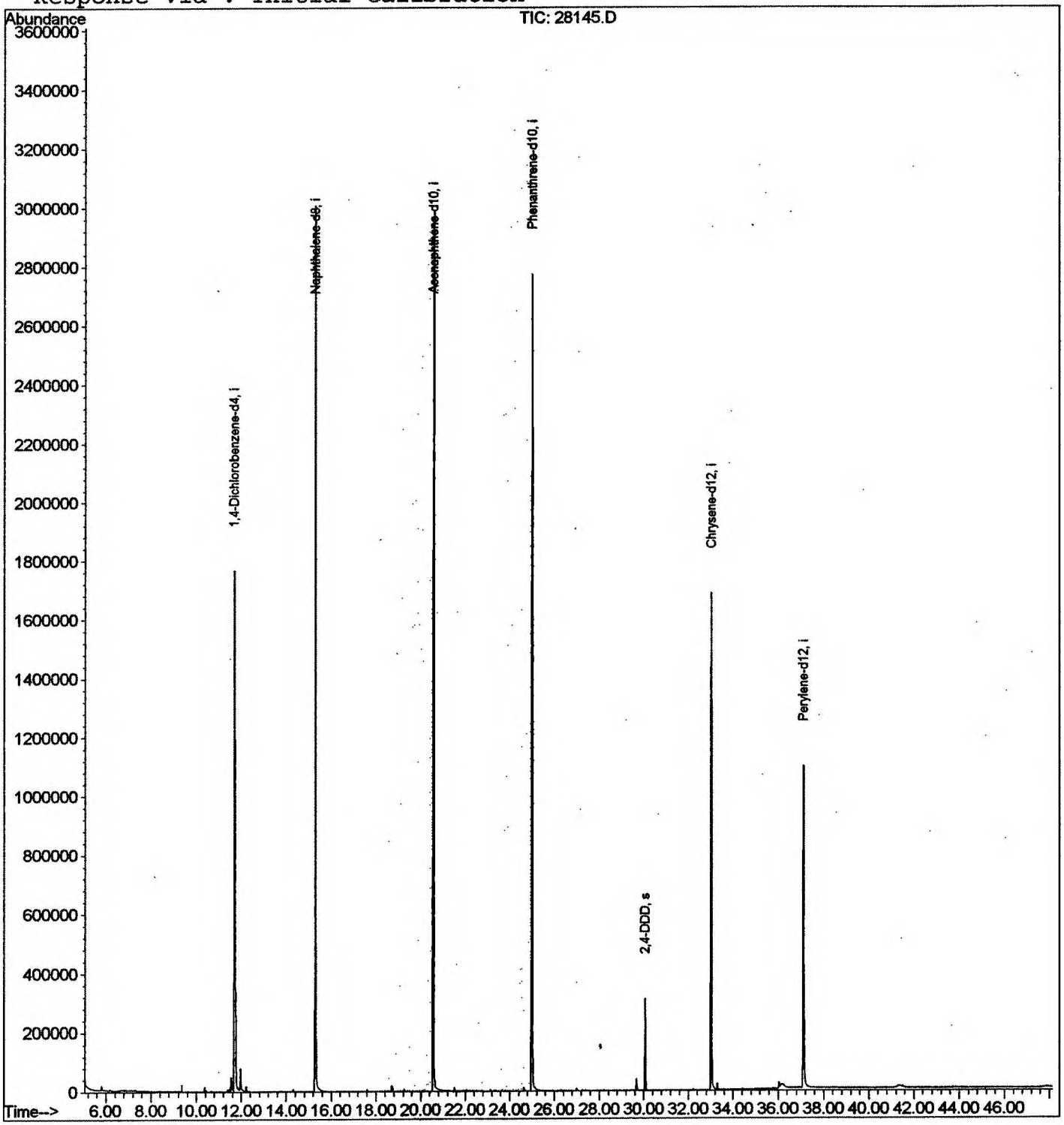
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D
Acq On : 26 Nov 2001 7:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 27 12:51 2001

Vial: 10
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\28145.D Vial: 10
Acq On : 26 Nov 2001 7:29 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

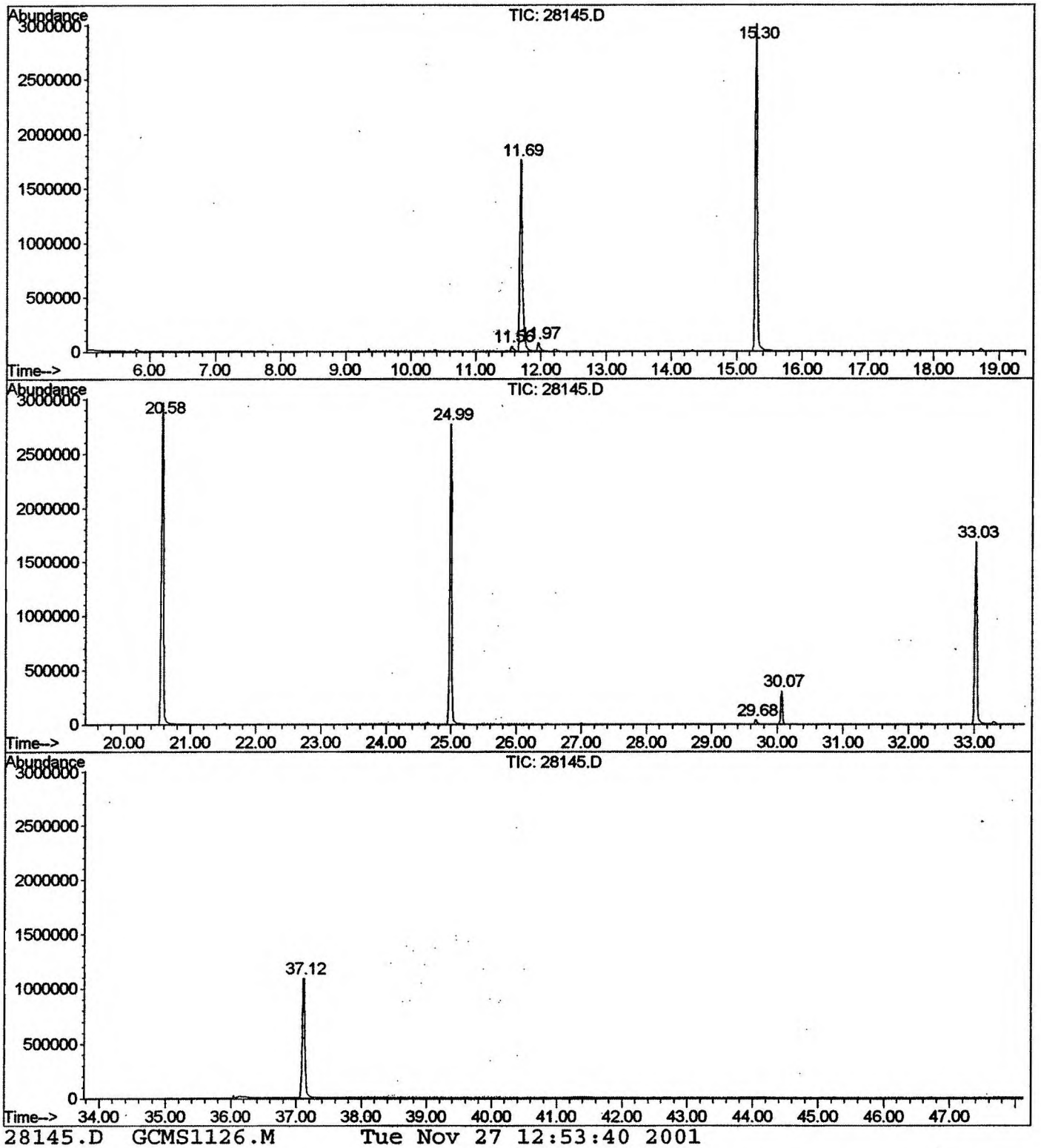
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.562	706	710	719	rVB	46639	118592	1.81%	0.377%
2	11.691	719	724	747	rBV	1762113	4716024	71.97%	14.994%
3	11.966	750	754	766	rVB	75134	194262	2.96%	0.618%
4	15.299	1111	1117	1135	rBV	3006384	6290187	95.99%	19.999%
5	20.577	1685	1692	1709	rBV	2966477	6553104	100.00%	20.835%
6	24.993	2167	2173	2188	rBV2	2771828	5897549	90.00%	18.751%
7	29.675	2678	2683	2695	rBV	40046	93362	1.42%	0.297%
8	30.070	2720	2726	2734	rBV	308419	618407	9.44%	1.966%
9	33.026	3039	3048	3066	rBV2	1683426	3893024	59.41%	12.378%
10	37.120	3485	3494	3510	rBV2	1090015	3077587	46.96%	9.785%

Sum of corrected areas: 31452098

28145.D GCMS1126.M Tue Nov 27 12:53:38 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28145.D
Operator : 209 GALOS
Acquired : 26 Nov 2001 7:29 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/20 scan
Misc Info :
Vial Number: 10
Quant File :GCMS1126.RES (RTE Integrator)



28145.D GCMS1126.M Tue Nov 27 12:53:40 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D
Acq On : 26 Nov 2001 7:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 10
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

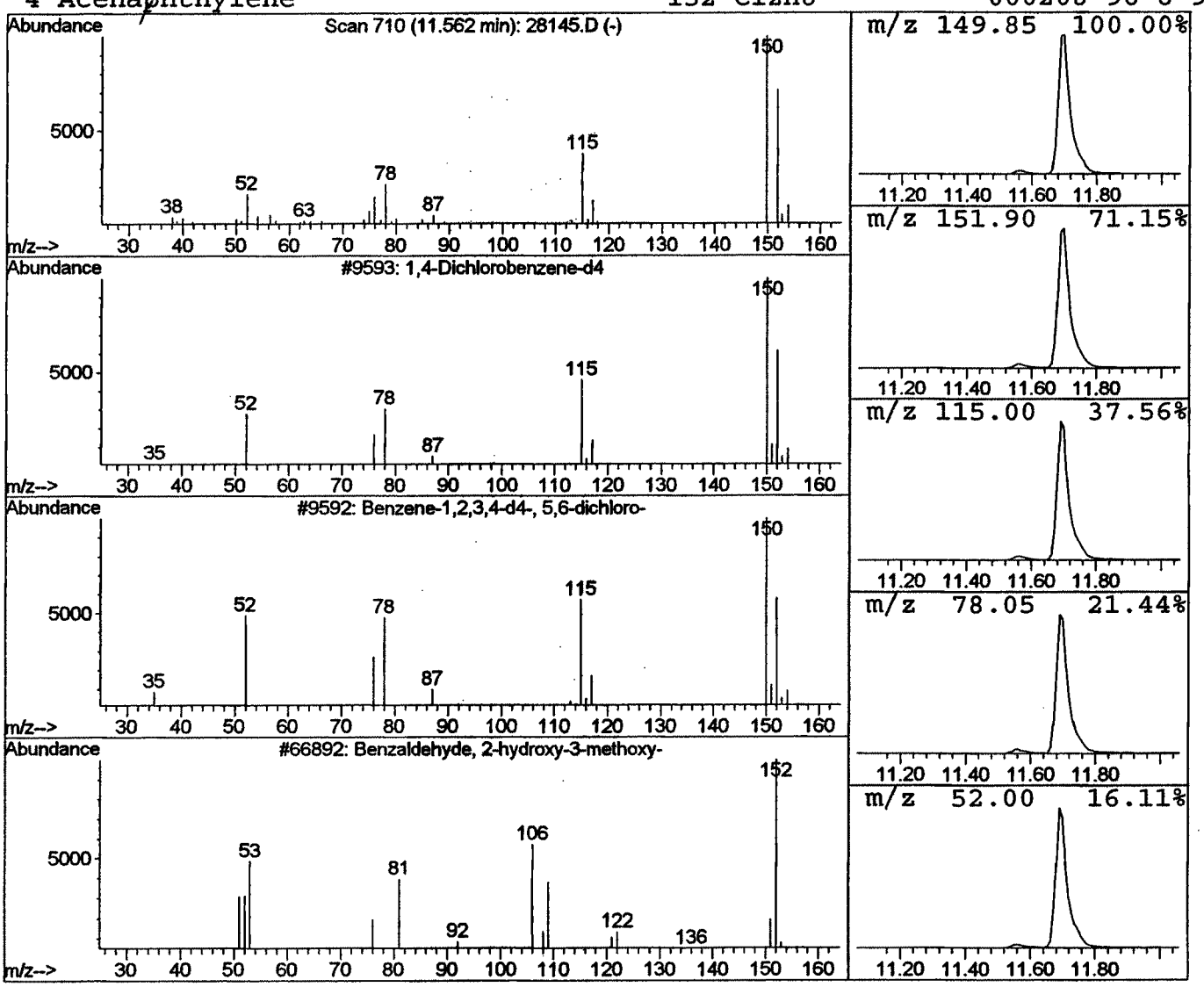
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.50 ug/l	118592	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	32
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14
4	Acenaphthylene	152	C12H8	000208-96-8	9

IS



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D
Acq On : 26 Nov 2001 7:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

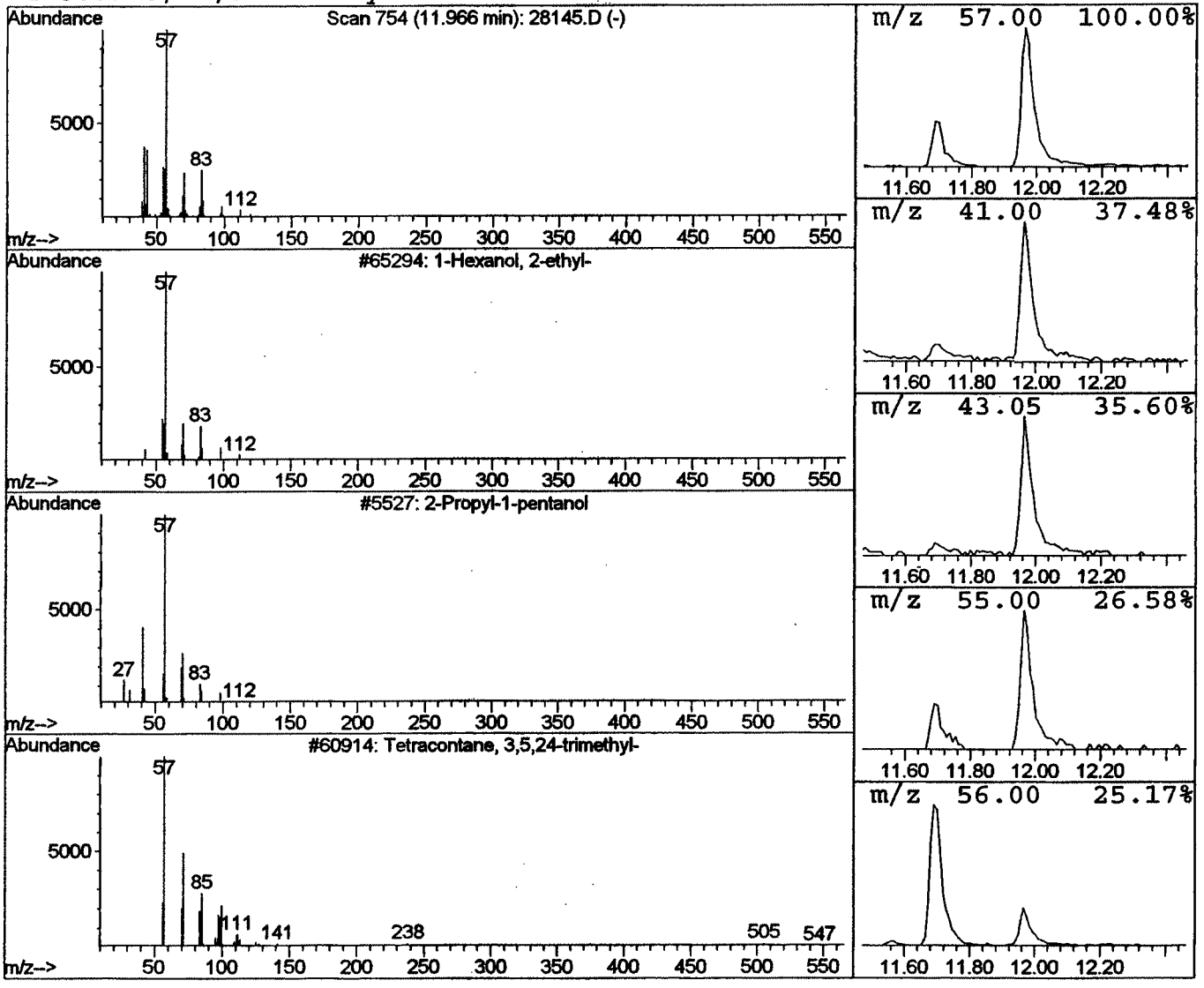
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	0.82 ug/l	194262	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	86
2	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	47
3	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	39
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28145.D
Acq On : 26 Nov 2001 7:29 pm
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

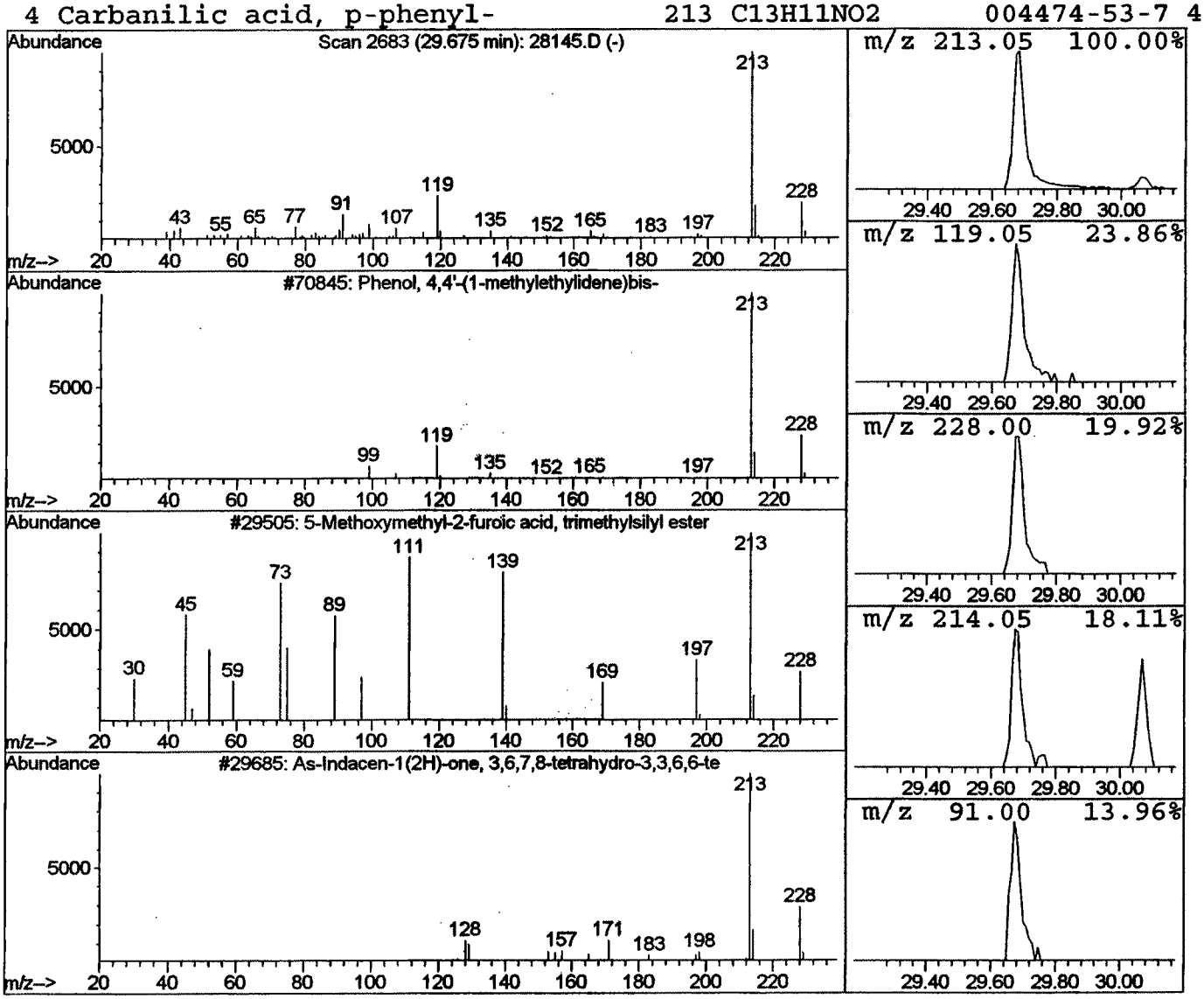
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Phenol, 4,4'-(1-methylethylide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.68	0.48 ug/l	93362	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene)bis-	228	C15H16O2	000080-05-7	94
2	5-Methoxymethyl-2-furoic acid, trim	228	C10H16O4Si	000000-00-0	58
3	As-Indacen-1(2H)-one, 3,6,7,8-tetra	228	C16H20O	055591-18-9	50
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	46



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 26 Nov 2001 7:29 pm
Data File: C:\HPCHEM\1\DATA\NOV2601\28145.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-Dichlorob~~enzene-	11.56	0.5	ug/l	118592	ISTD01	11.70	4716020	20.0
1-Hexanol, 2-ethyl-	11.97	0.8	ug/l	194262	ISTD01	11.70	4716020	20.0
Phenol, 4,4'-(1-meth	29.68	0.5	ug/l	93362	ISTD05	33.03	3893020	20.0

28145.D GCMS1126.M Tue Nov 27 12:53:49 2001