Comments for Sample AD28899 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 10:22:38

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Present in this sample is Decanedioic acid bis(2-Ethylhexyl) ester at an estimated level of 1.1 ug/L; however its presence is probably due to laboratory contamination since it was also present in the Laboratory Blank. Also present is Di-n-butlyphthalate at an estimated level of 0.27 ug/L.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/17/2001 Time: 10:19:54

Sample: AD28899
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 10:19 Ended: 12/17/01 10:19 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		89		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28899.D Vial: 7
Acq On : 6 Dec 2001 7:11 pm Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:52 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	11.68	152	1062246	20.00	ug/l	-0.02
15) Naphthalene-d8	15.27	136	3994124	20.00	ug/l	-0.03
26) Acenaphthene-d10	20.55	164	1956557	20.00	ug/l	-0.02
42) Phenanthrene-d10	24.98	188	2895663	20.00	ug/l	-0.01
53) Chrysene-d12	33.01	240	2054900	20.00	ug/l	-0.02
59) Perylene-d12	37.11	264	1573910	20.00	ug/l	-0.01
System Monitoring Compounds						
52) 2,4-DDD	30.05	235	153289	4.45	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 89.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.19	74	780	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	12.28	108	107	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	15.33	128	2187	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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28899.D Vial: 7
Acq On : 6 Dec 2001 7:11 pm Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:52 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

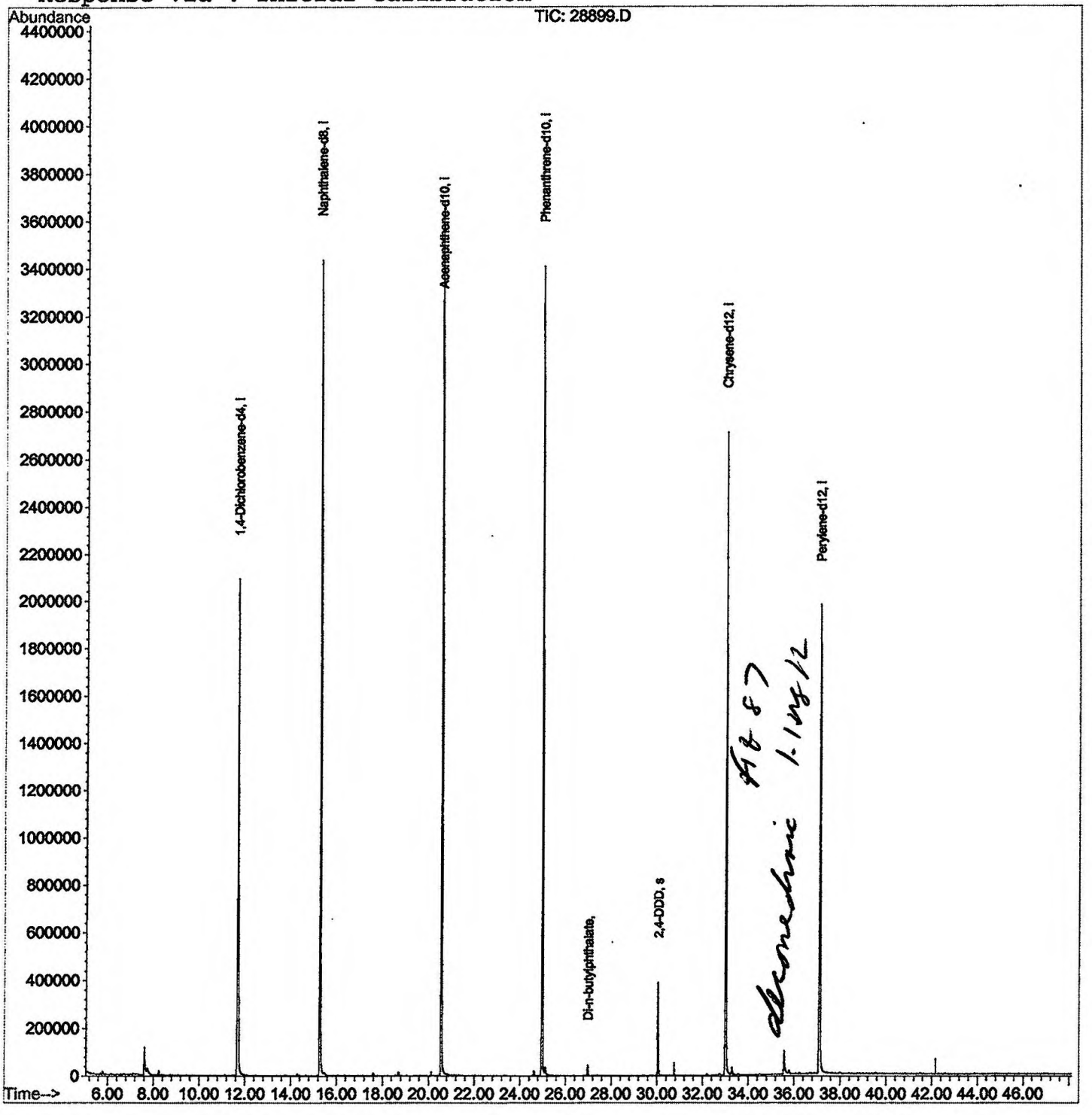
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
30)	2-Chloronaphthalene	0.00	162	0	N.D.	
31)	Dimethylphthalate	0.00	163	0	N.D.	
32)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	21.20	165	226	N.D.	
38)	Diethylphthalate	22.07	149	1220	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	25.04	178	551	N.D.	
49)	Anthracene	25.04	178	551	N.D.	
50)	Di-n-butylphthalate	26.99	149	54213	0.27 ug/l	100
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.49	149	107	N.D.	
56)	Benzo(a)anthracene	33.01	228	4816	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.29	149	21318	N.D.	
58)	Chrysene	33.08	228	108	N.D.	
60)	Di-n-Octylphthalate	0.00	149	0	N.D.	
61)	Benzo(b)fluoranthene	36.11	252	1102	N.D.	
62)	Benzo(k)fluoranthene	36.11	252	1102	N.D.	
63)	Benzo(a)pyrene	36.93	252	122	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\DEC0601\28899.D Vial: 7
Acq On : 6 Dec 2001 7:11 pm Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:52 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\DEC0601\28899.D Vial: 7
Acq On : 6 Dec 2001 7:11 pm Operator: 209 GALOS
Sample : 11/28 gc/ms 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

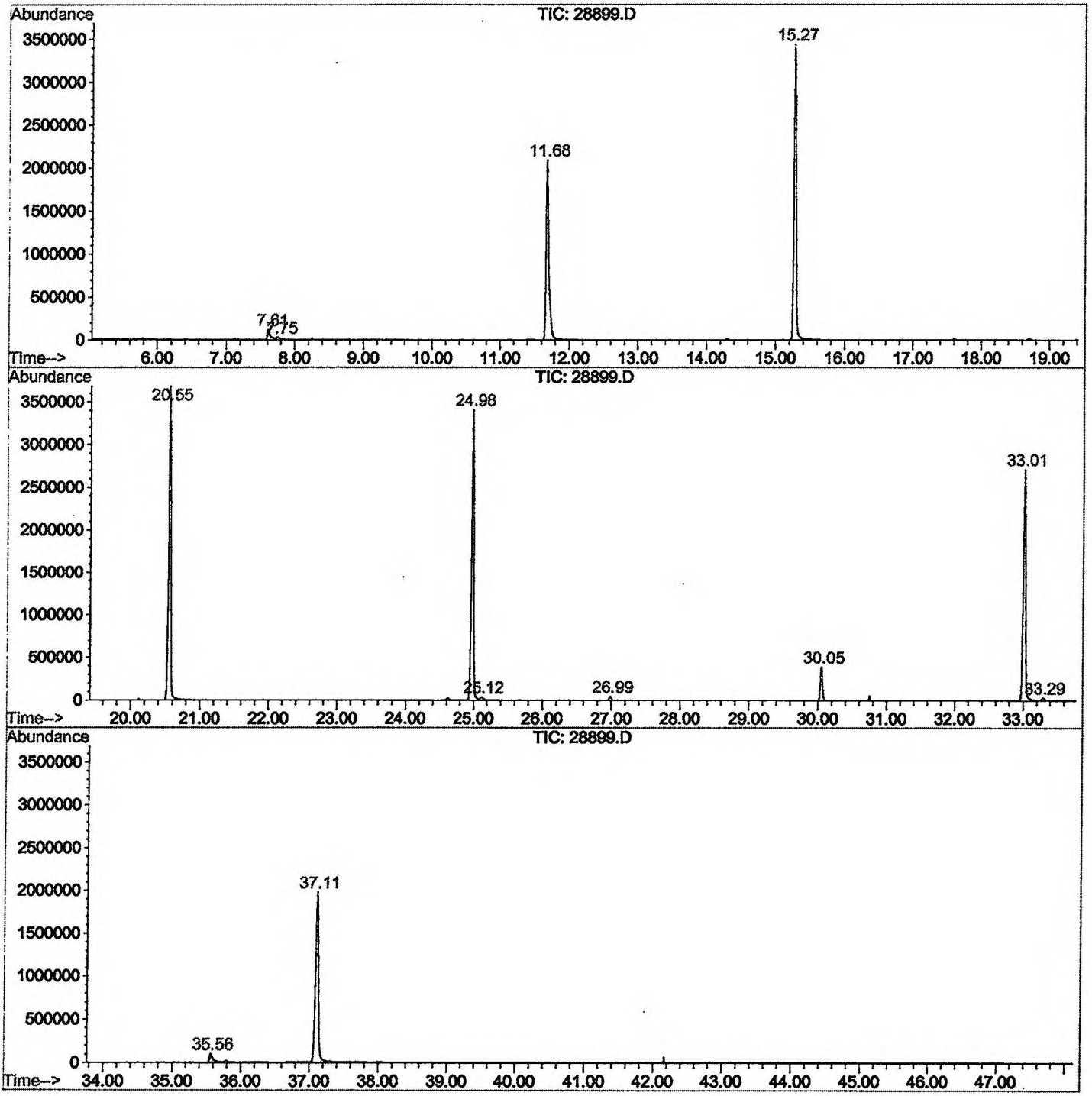
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.609	275	279	291	rBV	116177	333949	4.23%	0.781%
2	7.747	291	294	312	rVB2	26962	112769	1.43%	0.264%
3	11.676	716	722	741	rBV	2092027	5727815	72.64%	13.402%
4	15.275	1108	1114	1132	rBV	3436394	7479979	94.86%	17.502%
5	20.553	1683	1689	1705	rBV	3683726	7885677	100.00%	18.451%
6	24.978	2164	2171	2182	rBV2	3408395	7616972	96.59%	17.823%
7	25.116	2182	2186	2194	rVB	30889	87252	1.11%	0.204%
8	26.989	2384	2390	2396	rBV	44443	87332	1.11%	0.204%
9	30.055	2718	2724	2731	rBV	387438	820678	10.41%	1.920%
10	33.011	3039	3046	3060	rBV2	2707266	6433937	81.59%	15.054%
11	33.286	3071	3076	3086	rVB2	30334	82786	1.05%	0.194%
12	35.563	3319	3324	3337	rBV	97691	311682	3.95%	0.729%
13	37.105	3482	3492	3510	rBV2	1971047	5757088	73.01%	13.471%

Sum of corrected areas: 42737916

28899.D GCMS1126.M Tue Dec 11 16:05:57 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28899.D
Operator : 209 GALOS
Acquired : 6 Dec 2001 7:11 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/28 gc/ms scan
Misc Info :
Vial Number: 7
Quant File :GCMS1126.RES (RTE Integrator)



28899.D GCMS1126.M Tue Dec 11 16:06:03 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28899.D
Acq On : 6 Dec 2001 7:11 pm
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

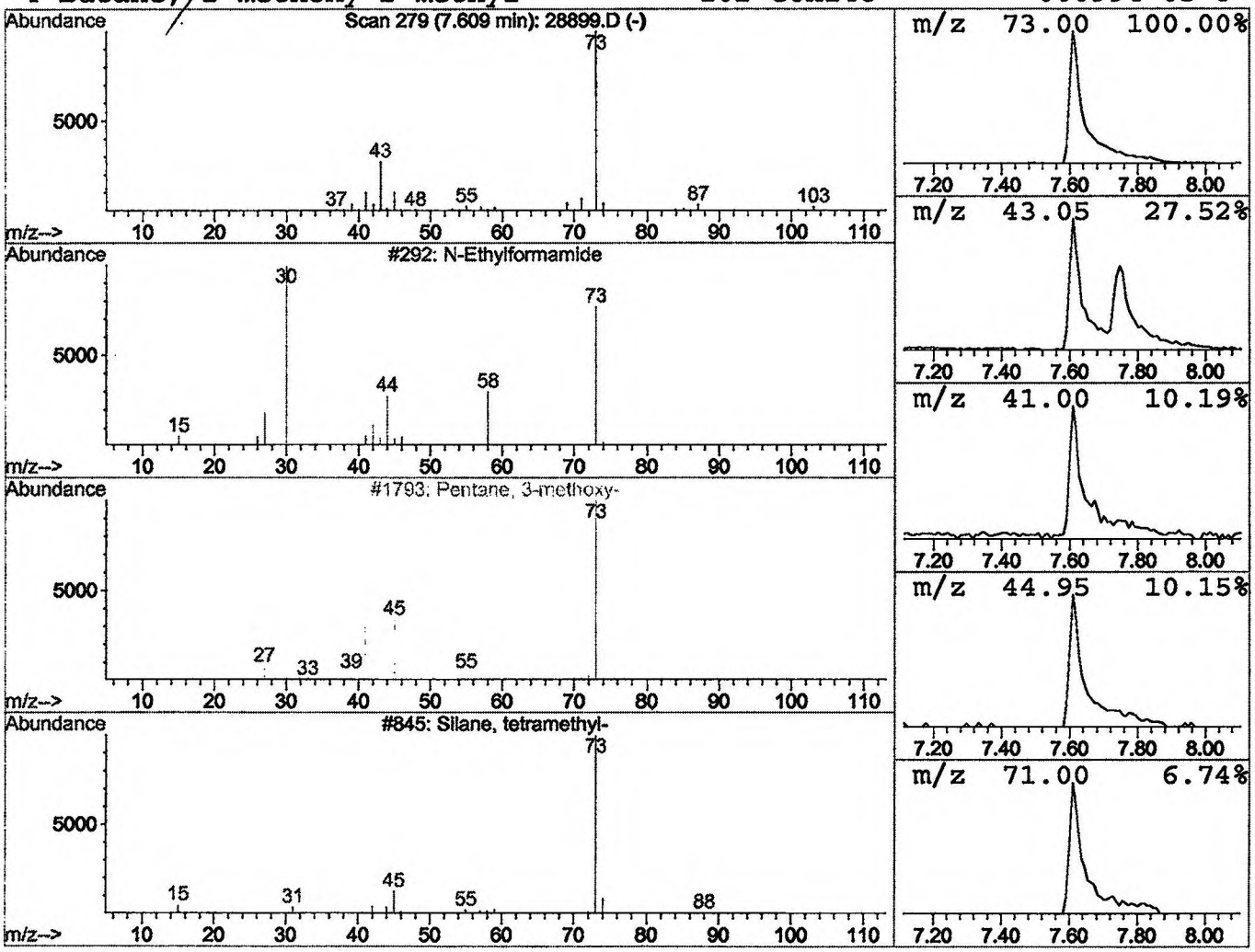
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	1.17 ug/l	333949	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28899.D
Acq On : 6 Dec 2001 7:11 pm
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

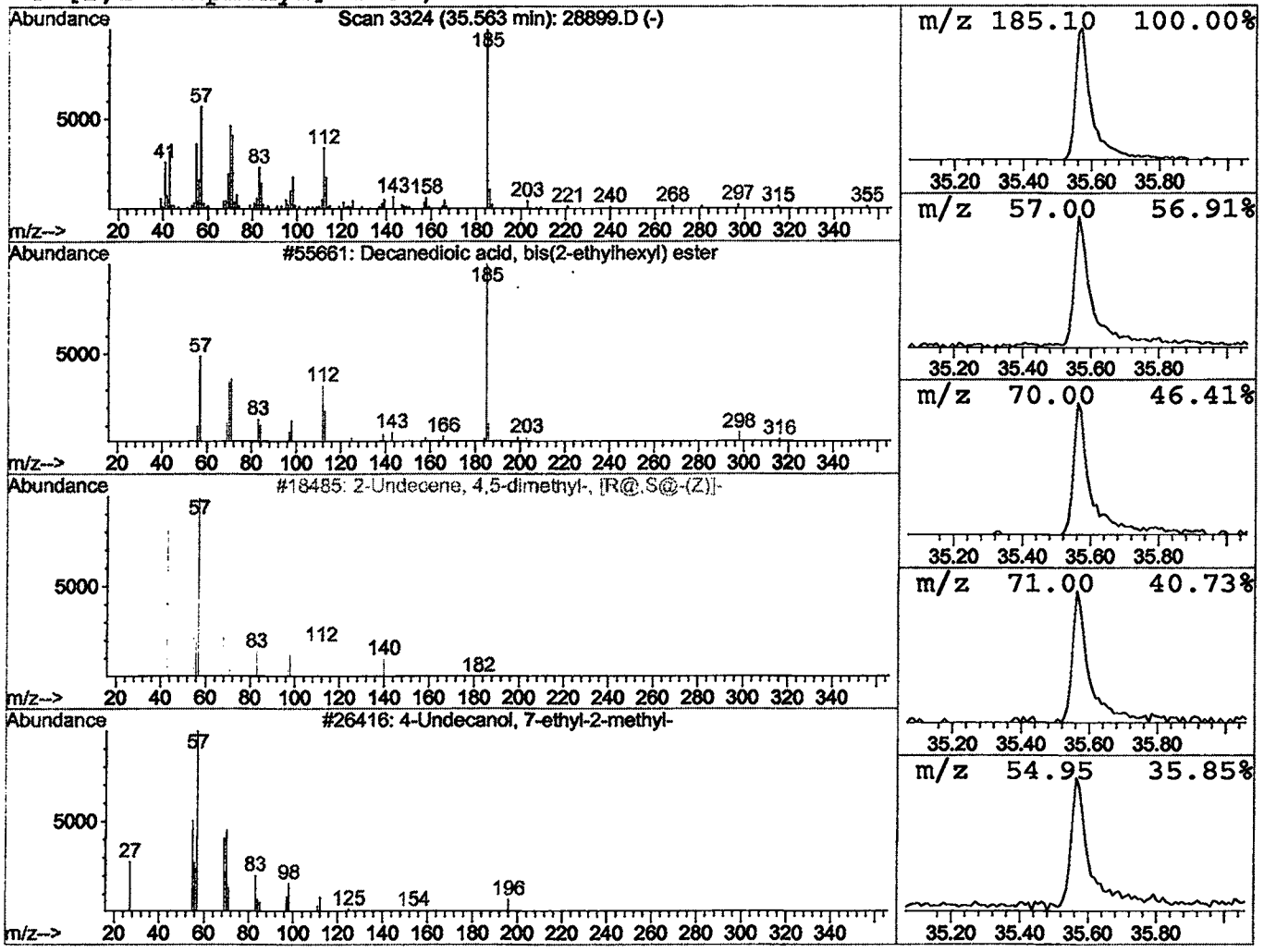
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Decanedioic acid, bis(2-ethylh Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.56	1.08 ug/l	311682	Perylene-d12	37.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhexyl)	426	C26H50O4	000122-62-3	87
2	2-Undecene, 4,5-dimethyl-, [R@,S@-(	182	C13H26	055170-93-9	25
3	4-Undecanol, 7-ethyl-2-methyl-	214	C14H30O	000103-20-8	12
4	[1,1'-Biphenyl]-4-ol, 3-amino-	185	C12H11NO	001134-36-7	12



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 6 Dec 2001 7:11 pm
Data File: C:\HPCHEM\1\DATA\DEC0601\28899.D
Name: 11/28 gc/ms 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	7.61	1.2	ug/l	333949	ISTD01	11.68	5727820	20.0
Decanedioic acid, bi	35.56	1.1	ug/l	311682	ISTD06	37.11	5757090	20.0

28899.D GCMS1126.M Tue Dec 11 16:06:17 2001