Comments for Sample AD28690 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 17:19:42

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.40 ug/L. The recovery for the Surrogate Standard in this sample was 104%. Recoveries for 9 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0401\28690.D Vial: 20
Acq On : 5 Dec 2001 6:55 am Operator: 209 GALOS
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 7:43 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	11.71	152	779429	20.00	ug/l	0.01
15) Naphthalene-d8	15.31	136	2956187	20.00	ug/l	0.00
26) Acenaphthene-d10	20.59	164	1426499	20.00	ug/l	0.01
42) Phenanthrene-d10	25.00	188	1962687	20.00	ug/l	0.01
53) Chrysene-d12	33.04	240	1168931	20.00	ug/l	0.00
59) Perylene-d12	37.13	264	740948	20.00	ug/l	0.01
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	120957	5.18	ug/mL	0.01
Spiked Amount 5.000			Recovery = 103.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.24	74	262	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	11.76	146	108	N.D.		
8) 1,4-Dichlorobenzene	11.76	146	108	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	13.08	77	185	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	15.37	128	771	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

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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
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	21.18	65	180	N.D.	
37)	2,4-Dinitrotoluene	21.25	165	102	N.D.	
38)	Diethylphthalate	22.10	149	759	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	906	N.D.	
49)	Anthracene	25.00	178	906	N.D.	
50)	Di-n-butylphthalate	27.02	149	32940	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.52	149	671	N.D.	
56)	Benzo(a)anthracene	33.04	228	2745	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.31	149	28294	0.40 ug/l	99
58)	Chrysene	33.04	228	2745	N.D.	
60)	Di-n-Octylphthalate	0.00	149	0	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	2667	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.	

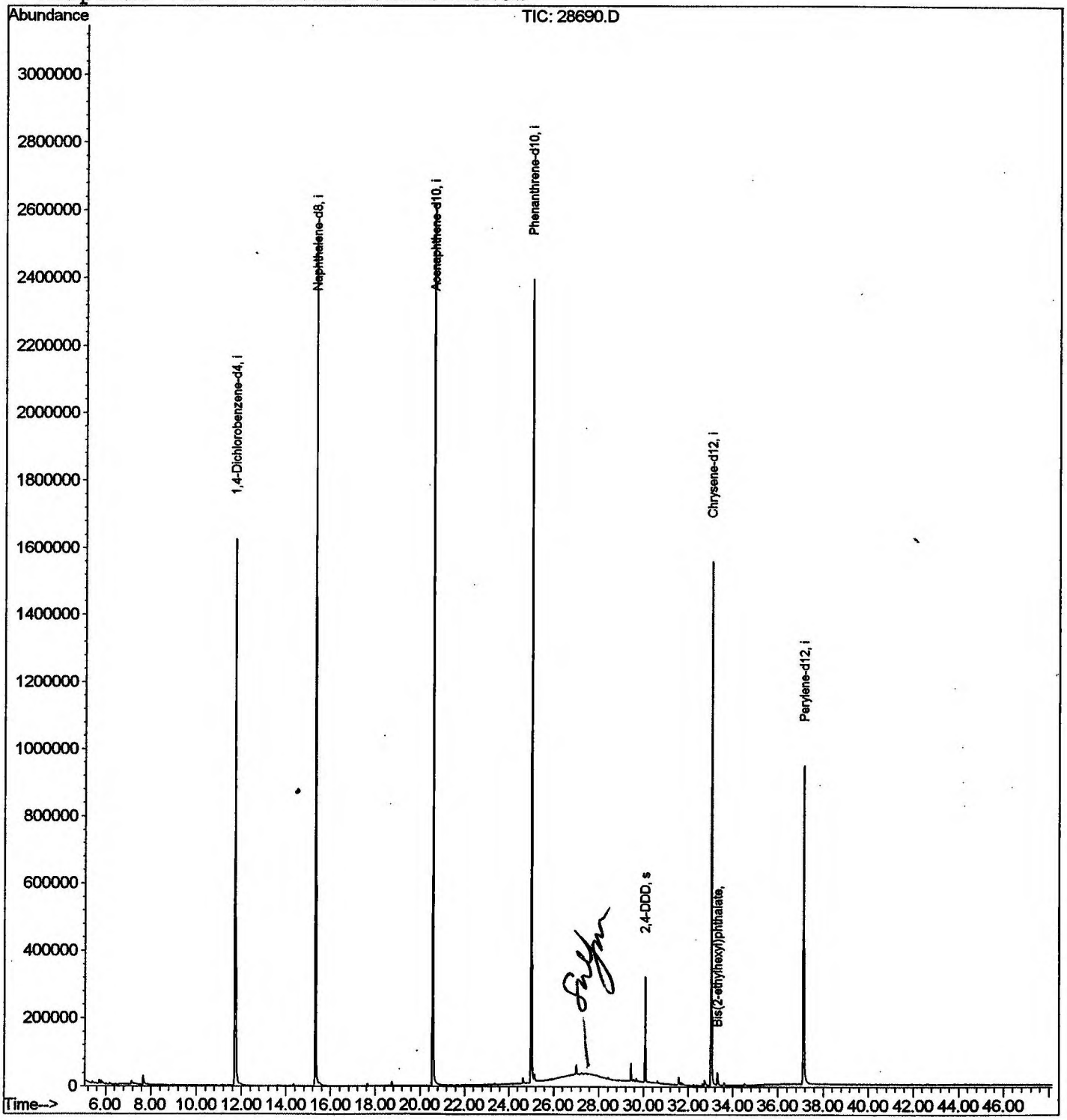
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28690.D
Acq On : 5 Dec 2001 6:55 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 5 7:43 2001

Vial: 20
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 : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28690.D Vial: 20
Acq On : 5 Dec 2001 6:55 am Operator: 209 GALOS
Sample : gc/ms 11/24 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

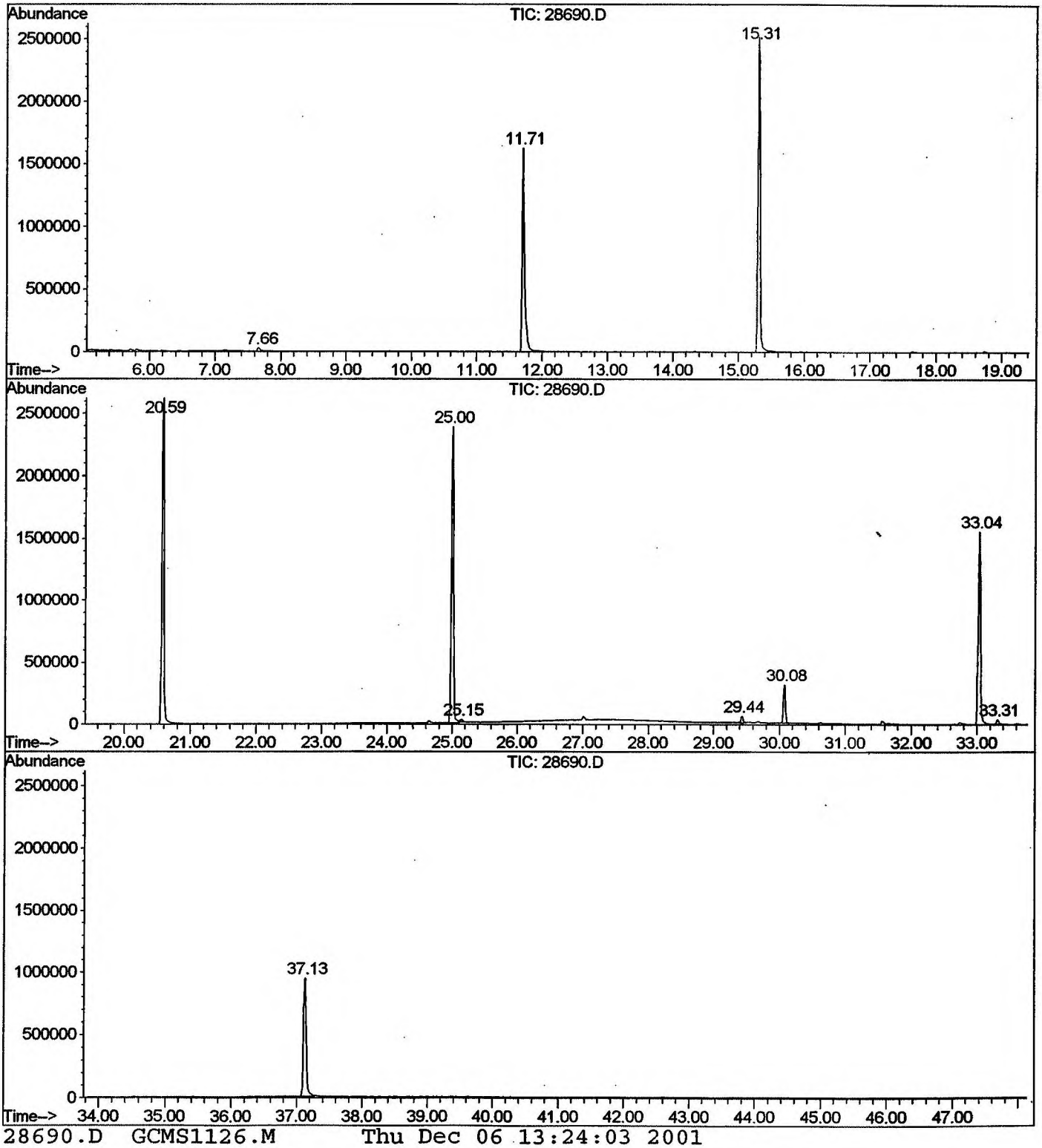
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.663	281	285	293	rBV	27359	77764	1.34%	0.277%
2	11.712	721	726	746	rBV	1623283	4203215	72.37%	14.964%
3	15.311	1113	1118	1137	rBV	2518484	5527159	95.17%	19.677%
4	20.589	1686	1693	1719	rBV	2620400	5807634	100.00%	20.676%
5	25.005	2168	2174	2186	rBV2	2381789	5206693	89.65%	18.536%
6	25.152	2186	2190	2196	rVB2	21403	63496	1.09%	0.226%
7	29.439	2652	2657	2662	rBV2	52309	110620	1.90%	0.394%
8	30.082	2721	2727	2734	rBV	308378	648176	11.16%	2.308%
9	33.038	3042	3049	3062	rBV2	1554384	3637492	62.63%	12.950%
10	33.313	3073	3079	3088	rBV	37436	98019	1.69%	0.349%
11	37.132	3487	3495	3511	rBV2	940986	2709174	46.65%	9.645%

Sum of corrected areas: 28089442

28690.D GCMS1126.M Thu Dec 06 13:24:00 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\28690.D
Operator : 209 GALOS
Acquired : 5 Dec 2001 6:55 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms 11/24
Misc Info :
Vial Number: 20
Quant File :GCMS1126.RES (RTE Integrator)



28690.D GCMS1126.M Thu Dec 06 13:24:03 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28690.D
Acq On : 5 Dec 2001 6:55 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 20
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

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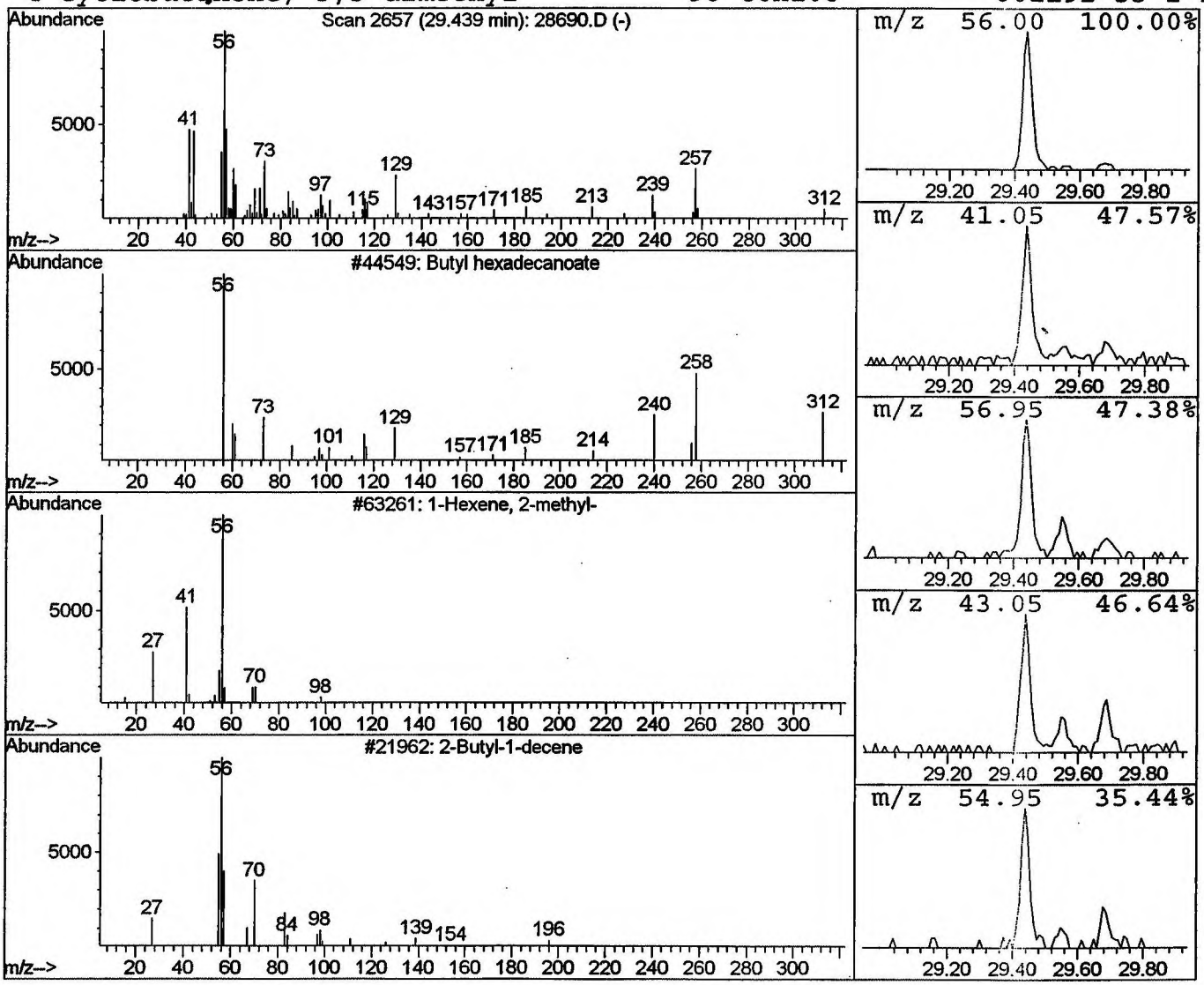
Peak Number 1 Butyl hexadecanoate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.44	0.61 ug/l	110620	Chrysene-d12	33.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	47
2	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
3	2-Butyl-1-decene	196	C14H28	000000-00-0	27
4	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	27



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 6:55 am
Data File: C:\HPCHEM\1\DATA\DEC0401\28690.D
Name: gc/ms 11/24
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
Butyl hexadecanoate	29.44	0.6	ug/l	110620	ISTD05	33.04	3637490	20.0

28690.D GCMS1126.M Thu Dec 06 13:24:07 2001