Comments for Sample AD28695 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 17:45:04

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 103%. 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\28695.D Vial: 10
Acq On : 4 Dec 2001 9:10 pm Operator: 209 GALOS
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 21:58 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	785667	20.00 ug/L	0.01
15) Naphthalene-d8	15.32	136	2968584	20.00 ug/L	0.01
26) Acenaphthene-d10	20.59	164	1418175	20.00 ug/L	0.01
42) Phenanthrene-d10	25.00	188	1971769	20.00 ug/L	0.01
53) Chrysene-d12	33.04	240	1199356	20.00 ug/L	0.00
59) Perylene-d12	37.12	264	827160	20.00 ug/L	0.00
System Monitoring Compounds					
52) 2,4-DDD	30.08	235	120545	5.14 ug/mL	0.01
Spiked Amount 5.000			Recovery = 102.80%		
Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	5.24	74	361	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	235	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	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	21.01	165	192	N.D.	
38)	Diethylphthalate	22.12	149	109	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	828	N.D.	
49)	Anthracene	25.00	178	828	N.D.	
50)	Di-n-butylphthalate	27.02	149	8654	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	33.04	228	2745	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.31	149	2939	N.D.	
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	3080	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

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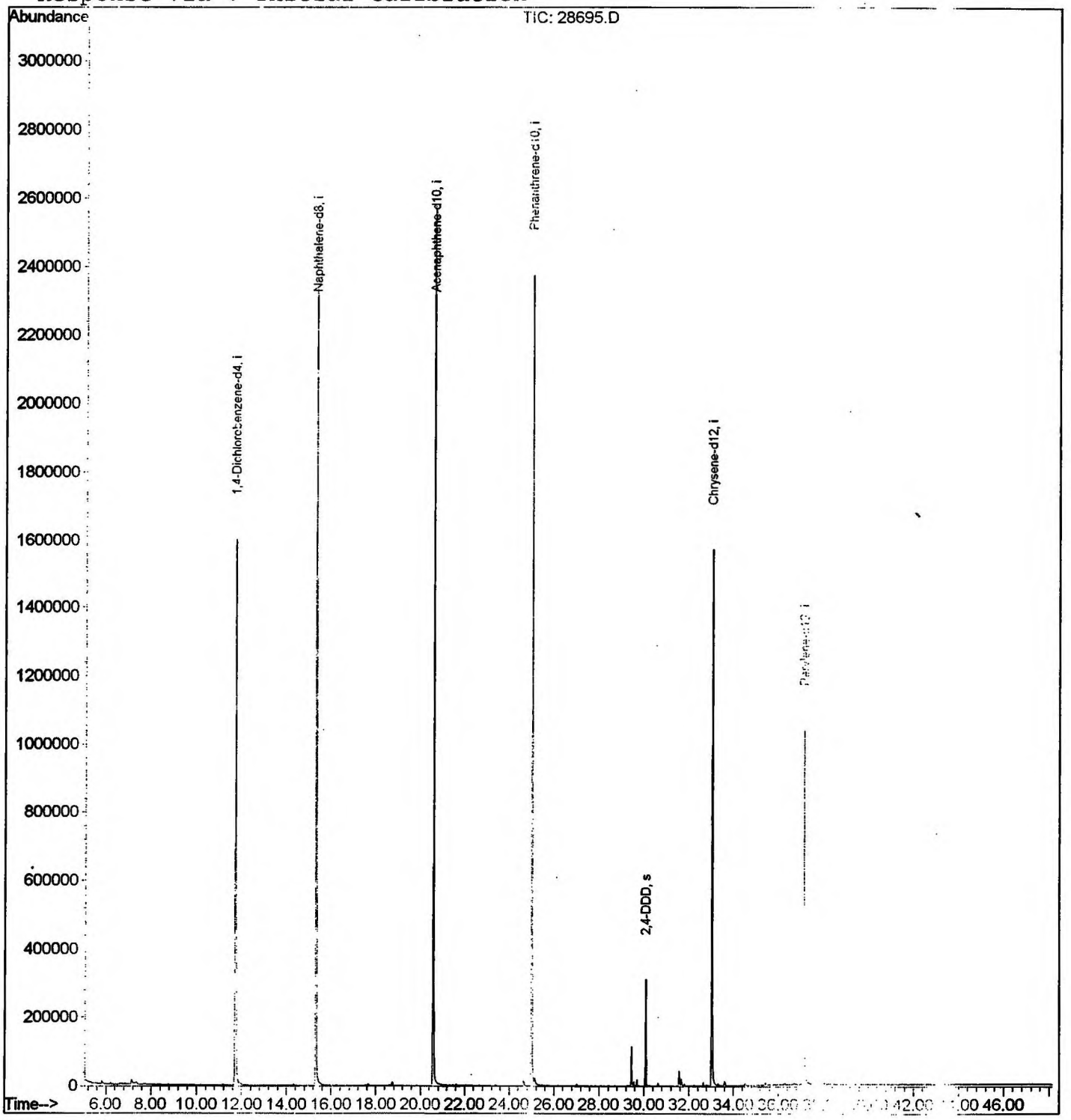
Acq On : 4 Dec 2001 9:10 pm
Sample : gc/ms 11/24
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 21:58 2001

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28695.D Vial: 10
Acq On : 4 Dec 2001 9:10 pm 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

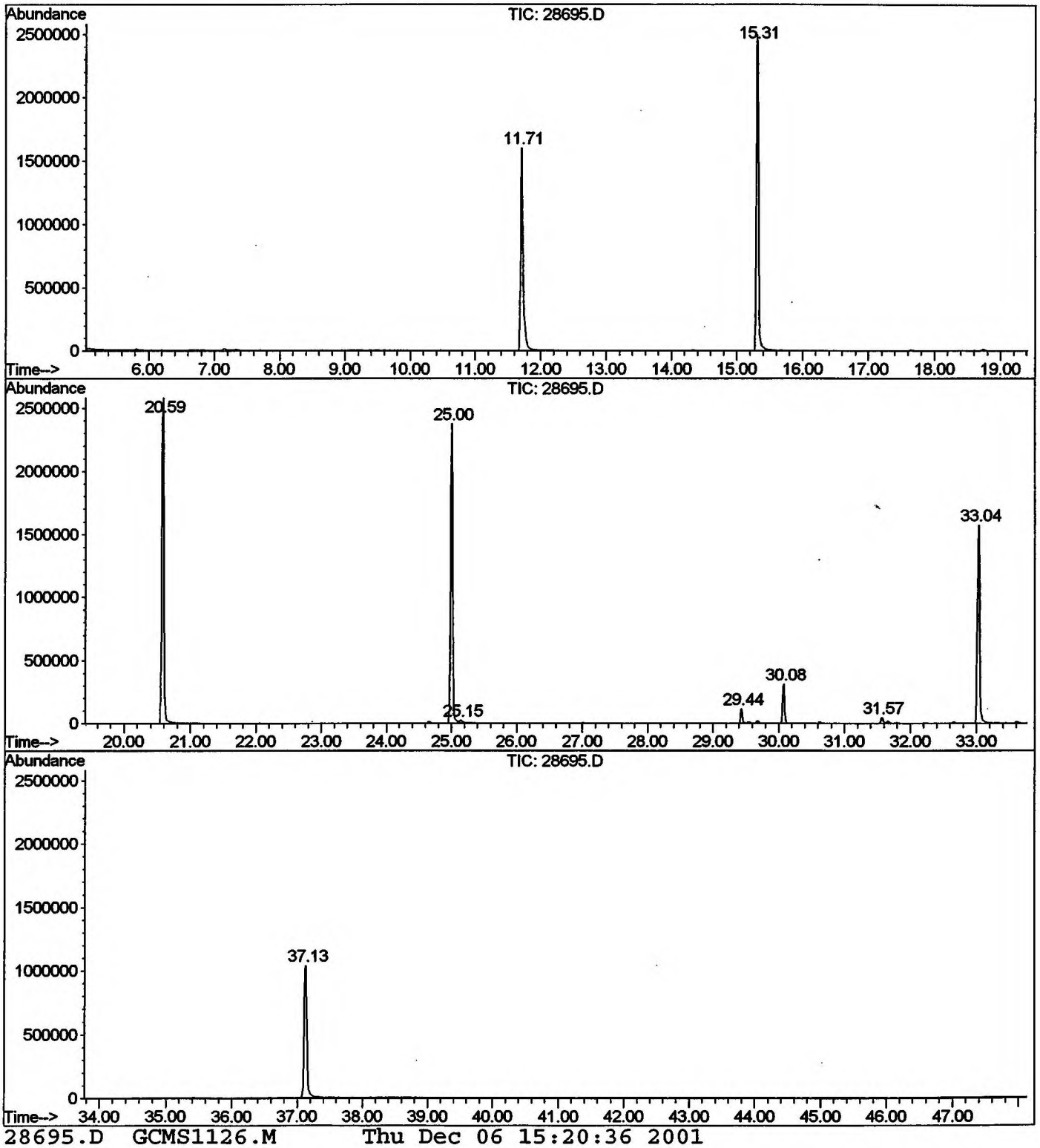
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.712	721	726	746	rBV	1599493	4191504	72.67%	14.715%
2	15.311	1113	1118	1134	rBV	2493172	5530968	95.89%	19.418%
3	20.589	1686	1693	1716	rBV	2581927	5767857	100.00%	20.250%
4	25.005	2168	2174	2187	rBV2	2373404	5207150	90.28%	18.281%
5	25.152	2187	2190	2201	rVB2	21430	64722	1.12%	0.227%
6	29.439	2652	2657	2665	rBV	114030	223391	3.87%	0.784%
7	30.082	2721	2727	2736	rBV	310703	644306	11.17%	2.262%
8	31.569	2885	2889	2895	rBV2	43230	99980	1.73%	0.351%
9	33.038	3042	3049	3065	rBV2	1570944	3741989	64.88%	13.137%
10	37.132	3487	3495	3516	rBV2	1034534	3012052	52.22%	10.575%

Sum of corrected areas: 28483919

28695.D GCMS1126.M Thu Dec 06 15:20:33 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\28695.D
Operator : 209 GALOS
Acquired : 4 Dec 2001 9:10 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms 11/24
Misc Info :
Vial Number: 10
Quant File :GCMS1126.RES (RTE Integrator)



28695.D GCMS1126.M Thu Dec 06 15:20:36 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28695.D
Acq On : 4 Dec 2001 9:10 pm
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

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

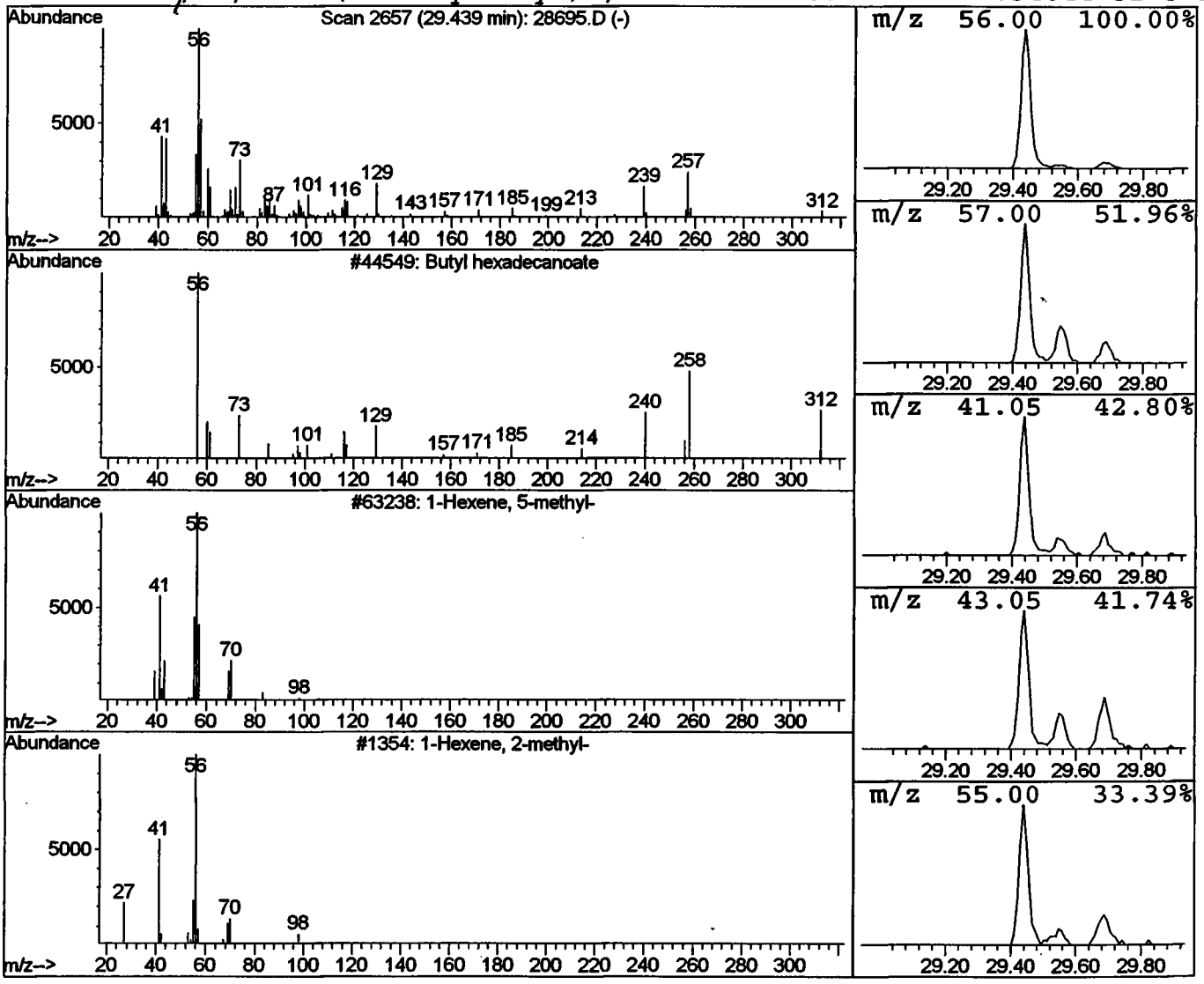
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyl hexadecanoate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.44	1.19 ug/l	223391	Chrysene-d12	33.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	53
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	27
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
4	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	23



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28695.D
Acq On : 4 Dec 2001 9:10 pm
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

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

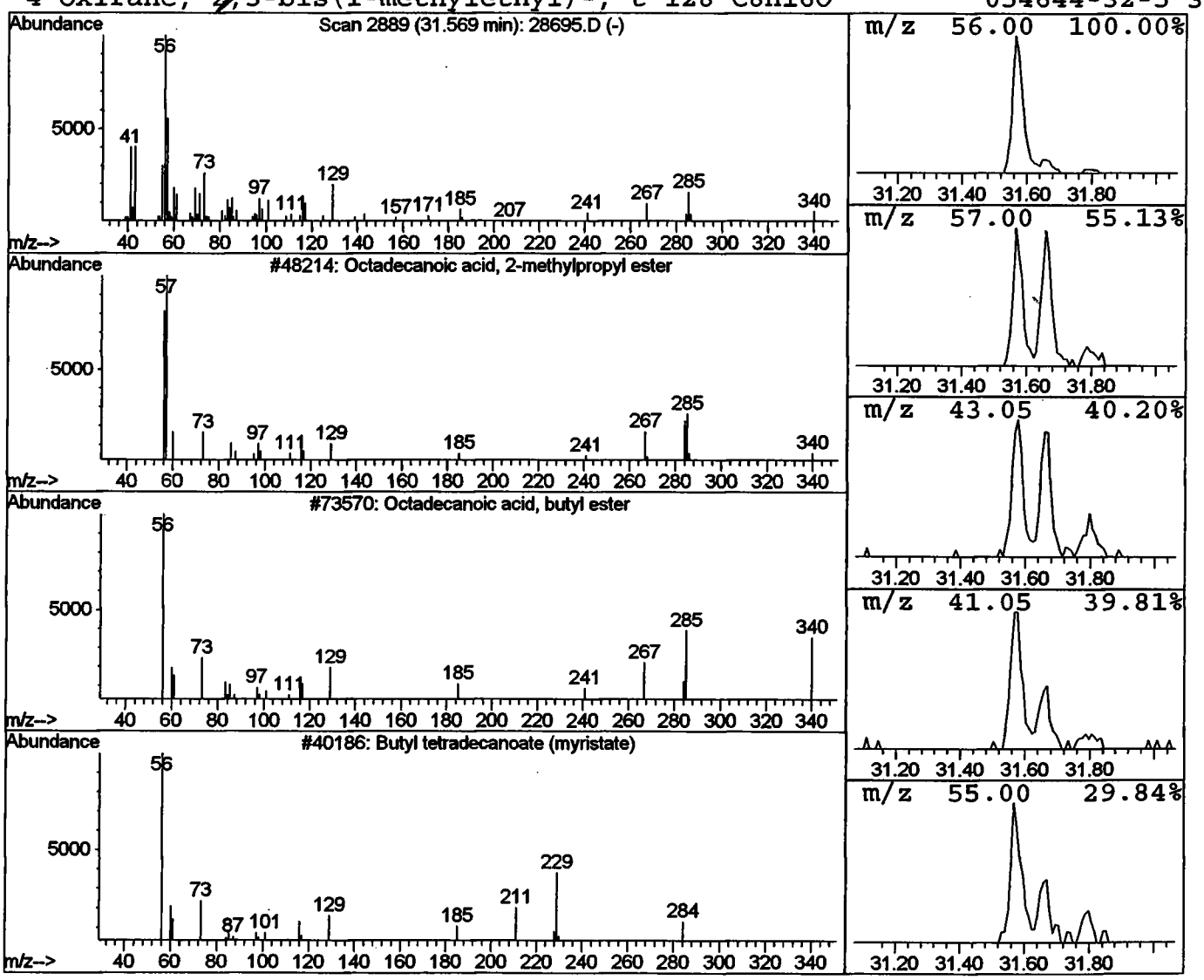
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Octadecanoic acid, 2-methylpro Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.57	0.53 ug/l	99980	Chrysene-d12	33.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	70
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	64
3	Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	45
4	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	37



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 4 Dec 2001 9:10 pm
Data File: C:\HPCHEM\1\DATA\DEC0401\28695.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	1.2	ug/l	223391	ISTD05	33.04	3741990	20.0
Octadecanoic acid, 2	31.57	0.5	ug/l	99980	ISTD05	33.04	3741990	20.0

28695.D GCMS1126.M Thu Dec 06 15:20:43 2001