User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/11/2001 Time: 16:48:07

Sample: AD27007
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/11/01 16:47 Ended: 12/11/01 16:47 Analyst: MG
Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		see comment	
2	Surr_2,4-DDD			5.0

Comments for Sample AD27007 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-11-2001 Time: 16:48:15

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\27007.D Vial: 22
Acq On : 7 Dec 2001 5:16 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 11:48 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.89	152	1086807	20.00	ng/uL	-0.04
19) Naphthalene-d8	15.50	136	4090687	20.00	ng/uL	-0.05
31) Acenaphthene-d10	20.78	164	1851309	20.00	ng/uL	-0.04
49) Phenanthrene-d10	25.18	188	2740337	20.00	ng/uL	-0.06
59) Chrysene-d12	33.19	240	1843357	20.00	ng/uL	-0.06
68) Perylene-d12	37.28	264	1312406	20.00	ng/uL	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery =	0.00%#		
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	11.89	132	607	0.01	ng/uL	0.47
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	12.26	152	298	0.01	ng/uL	-0.20
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.02%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	18.93	172	2269	0.02	ng/uL	0.09
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.04%#		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery =	0.00%#		
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitrosodimethylamine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		

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

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Compound	R.T.	QIon	Response	Conc Unit	Qvalue
17) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	
21) Nitrobenzene	0.00	77	0	N.D.	
22) Isophorone	0.00	82	0	N.D.	
23) 2-Nitrophenol	0.00	139	0	N.D.	
24) 2,4-Dimethylphenol	0.00	107	0	N.D.	
25) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26) 2,4-Dichlorophenol	0.00	162	0	N.D.	
27) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28) Naphthalene	0.00	128	0	N.D.	
29) Hexachlorobutadiene	0.00	225	0	N.D.	
30) 4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37) 2-Chloronaphthalene	0.00	162	0	N.D.	
38) Dimethylphthalate	0.00	163	0	N.D.	
39) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d
40) Acenaphthylene	0.00	152	0	N.D.	
41) Acenaphthene	0.00	153	0	N.D.	
42) 2,4-Dinitrophenol	0.00	184	0	N.D.	
43) 4-Nitrophenol	0.00	65	0	N.D.	
44) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
45) Diethylphthalate	22.27	149	300	N.D.	
46) 4-Chlorophenylphenylether	0.00	204	0	N.D.	
47) Fluorene	0.00	166	0	N.D.	
48) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51) N-Nitrosodiphenylamine	0.00	169	0	N.D.	
52) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53) Hexachlorobenzene	0.00	284	0	N.D.	
54) Pentachlorophenol	0.00	266	0	N.D.	
55) Phenanthrene	0.00	178	0	N.D.	
56) Anthracene	0.00	178	0	N.D.	
57) Di-n-butylphthalate	27.17	149	3804	N.D.	
58) Fluoranthene	0.00	202	0	N.D.	
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.	

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

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Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.19	228	3735	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.45	149	3498	N.D.	
67)	Chrysene	33.19	228	3735	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.28	252	4348	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

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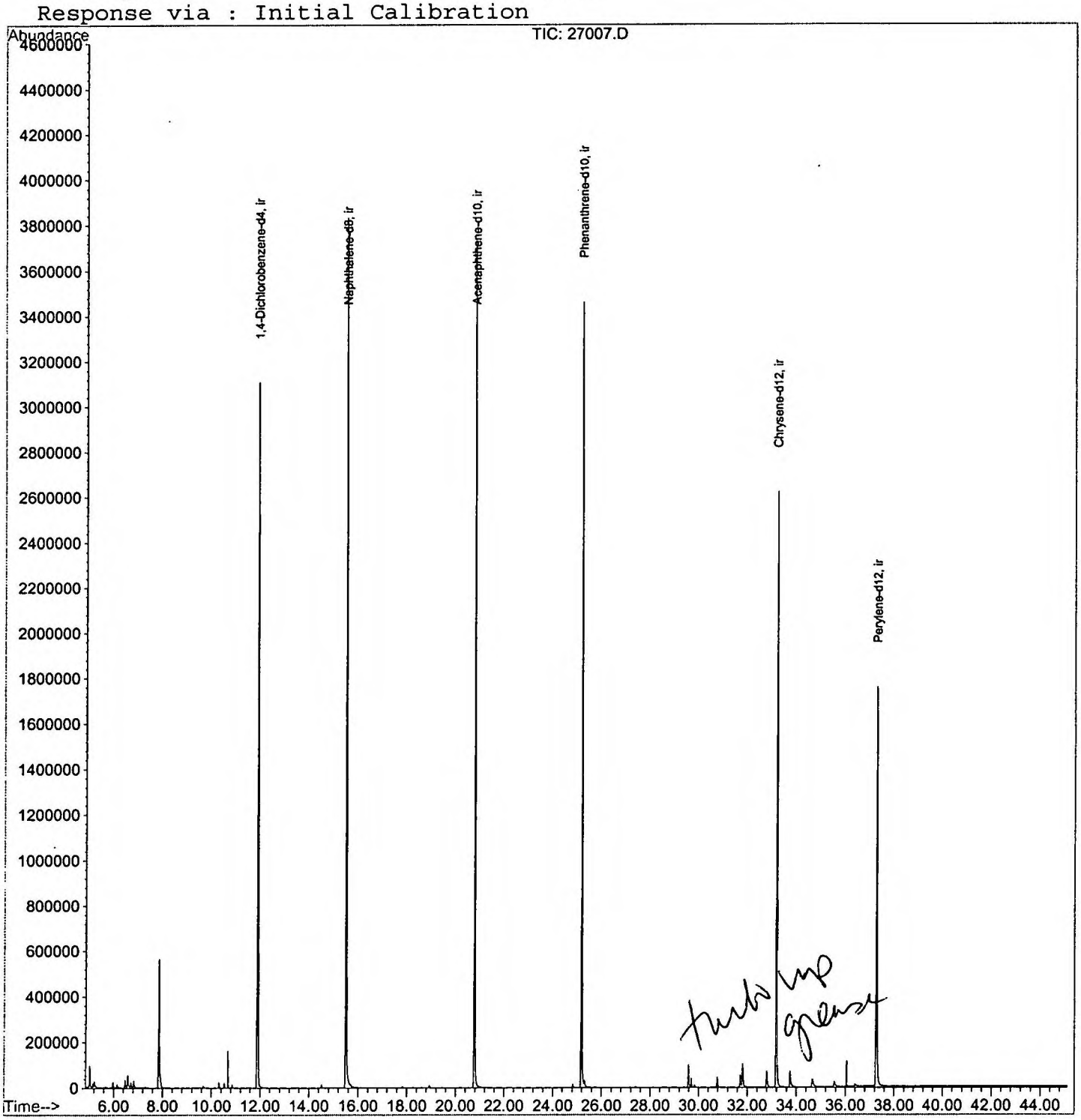
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 11 11:48 2001

Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27007.D Vial: 22
Acq On : 7 Dec 2001 5:16 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/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

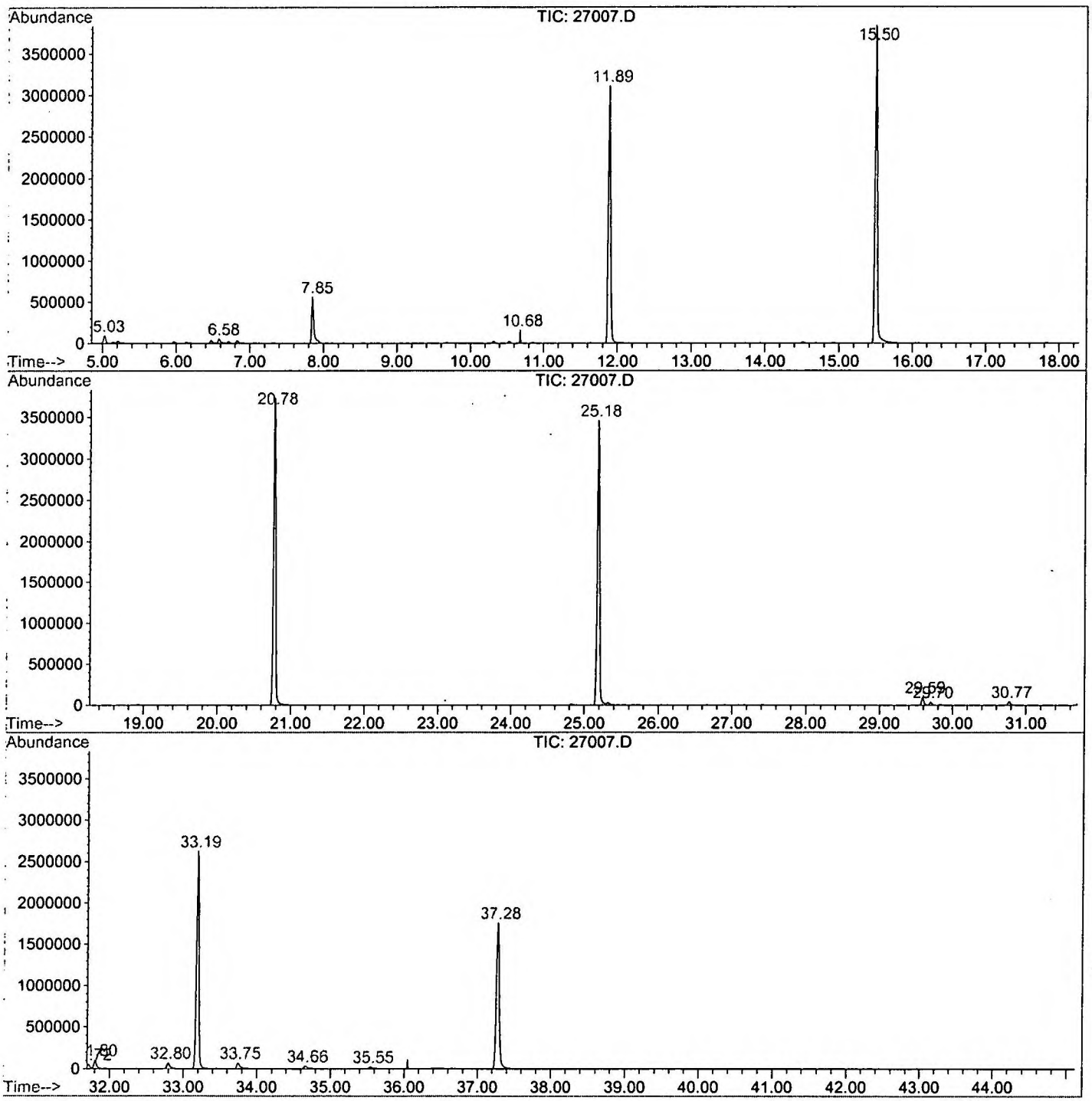
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.025	13	20	30	rVB	96825	200657	2.43%	0.451%
2	6.584	186	190	201	rVB	55180	125388	1.52%	0.282%
3	7.850	324	328	346	rVB	562632	1195317	14.48%	2.686%
4	10.683	636	637	639	rBV	163272	95965	1.16%	0.216%
5	11.894	763	769	787	rBV	3106696	6681028	80.91%	15.014%
6	15.497	1156	1162	1180	rBV	3833431	8257332	100.00%	18.556%
7	20.779	1731	1738	1752	rBV	3731781	8119855	98.34%	18.247%
8	25.181	2212	2218	2230	rBV2	3462486	7647014	92.61%	17.184%
9	29.592	2693	2699	2706	rBV	99296	211059	2.56%	0.474%
10	29.702	2706	2711	2721	rVB2	40483	89126	1.08%	0.200%
11	30.775	2824	2828	2836	rVB	45917	102778	1.24%	0.231%
12	31.719	2925	2931	2936	rBV	55028	135527	1.64%	0.305%
13	31.802	2936	2940	2952	rVB	102753	267119	3.23%	0.600%
14	32.801	3042	3049	3062	rBV	73320	217517	2.63%	0.489%
15	33.187	3085	3091	3109	rBV2	2621000	5846198	70.80%	13.138%
16	33.746	3147	3152	3162	rBV	71559	225165	2.73%	0.506%
17	34.663	3247	3252	3261	rBV2	35010	118769	1.44%	0.267%
18	35.552	3343	3349	3360	rBV2	24676	90181	1.09%	0.203%
19	37.276	3529	3537	3558	rBV2	1752676	4874029	59.03%	10.953%

Sum of corrected areas: 44500024

27007.D NP112701.M Tue Dec 11 14:56:31 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\27007.D
Operator : GALOS
Acquired : 7 Dec 2001 5:16 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 22
Quant File :NP112701.RES (RTE Integrator)



27007.D NP112701.M Tue Dec 11 14:56:36 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27007.D
Acq On : 7 Dec 2001 5:16 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

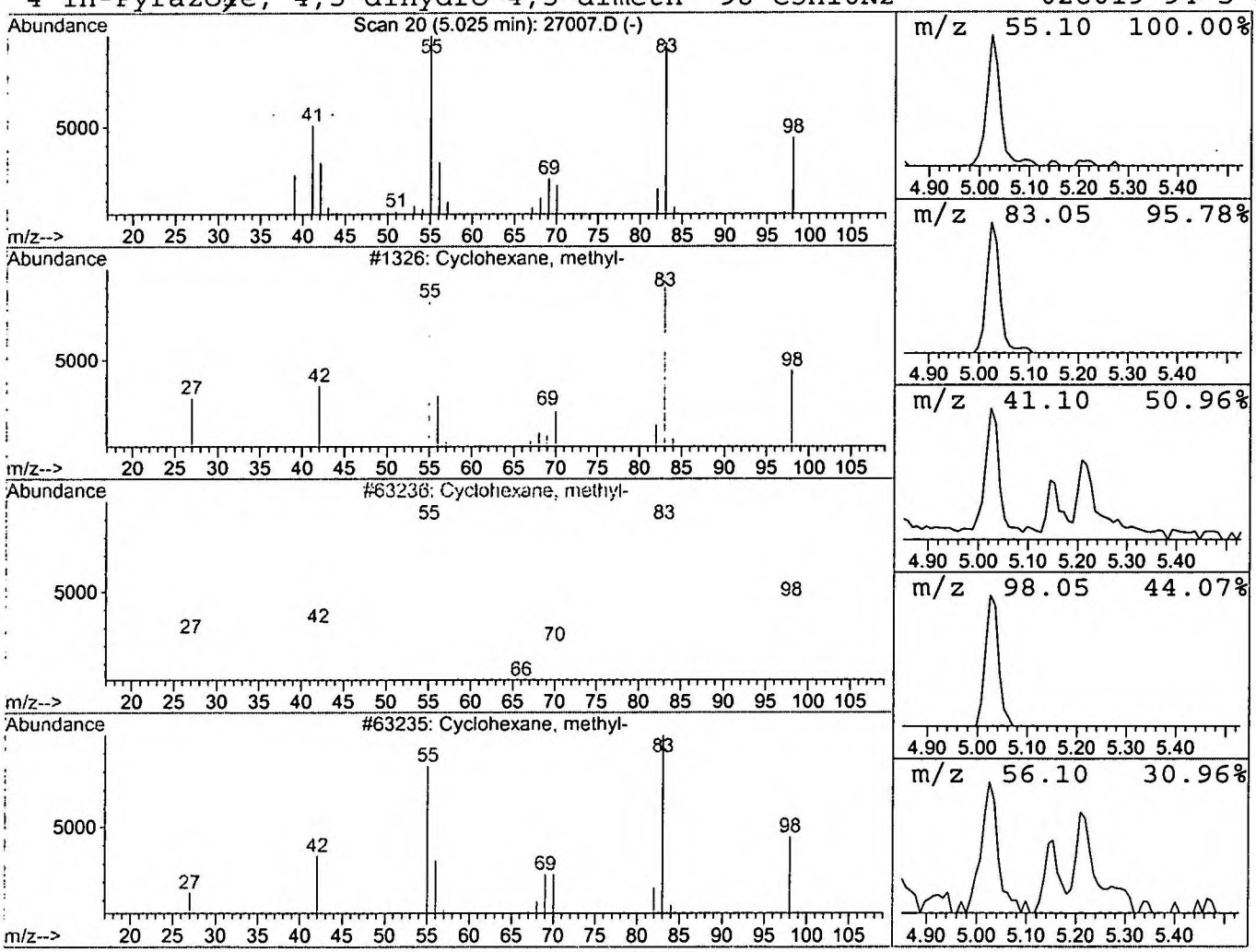
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclohexane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	0.60 ng/uL	200657	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	97
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
4	1H-Pyrazole, 4,5-dihydro-4,5-dimeth	98	C5H10N2	028019-94-5	64



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Acq On : 7 Dec 2001 5:16 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

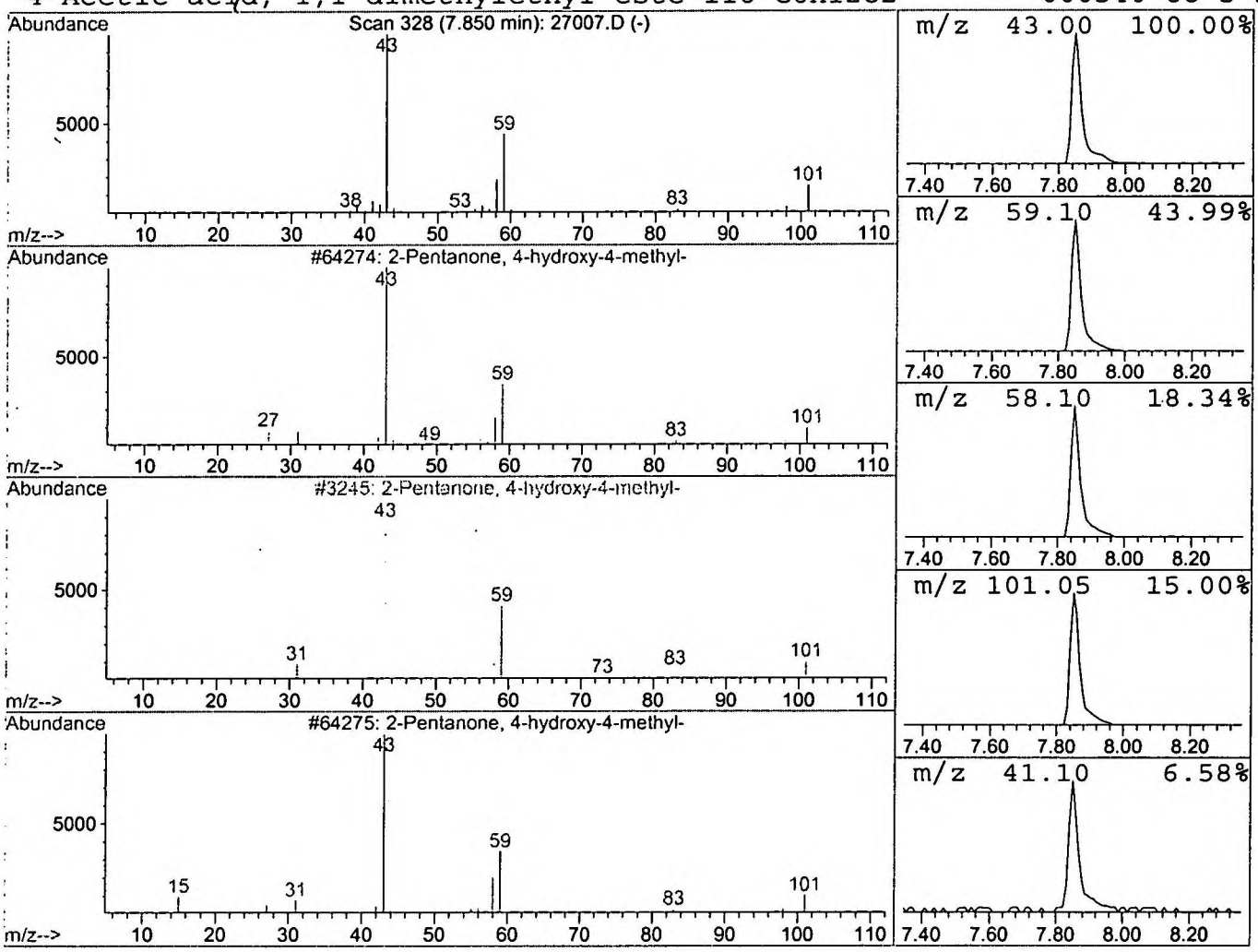
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	3.58 ng/uL	1195320	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



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Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

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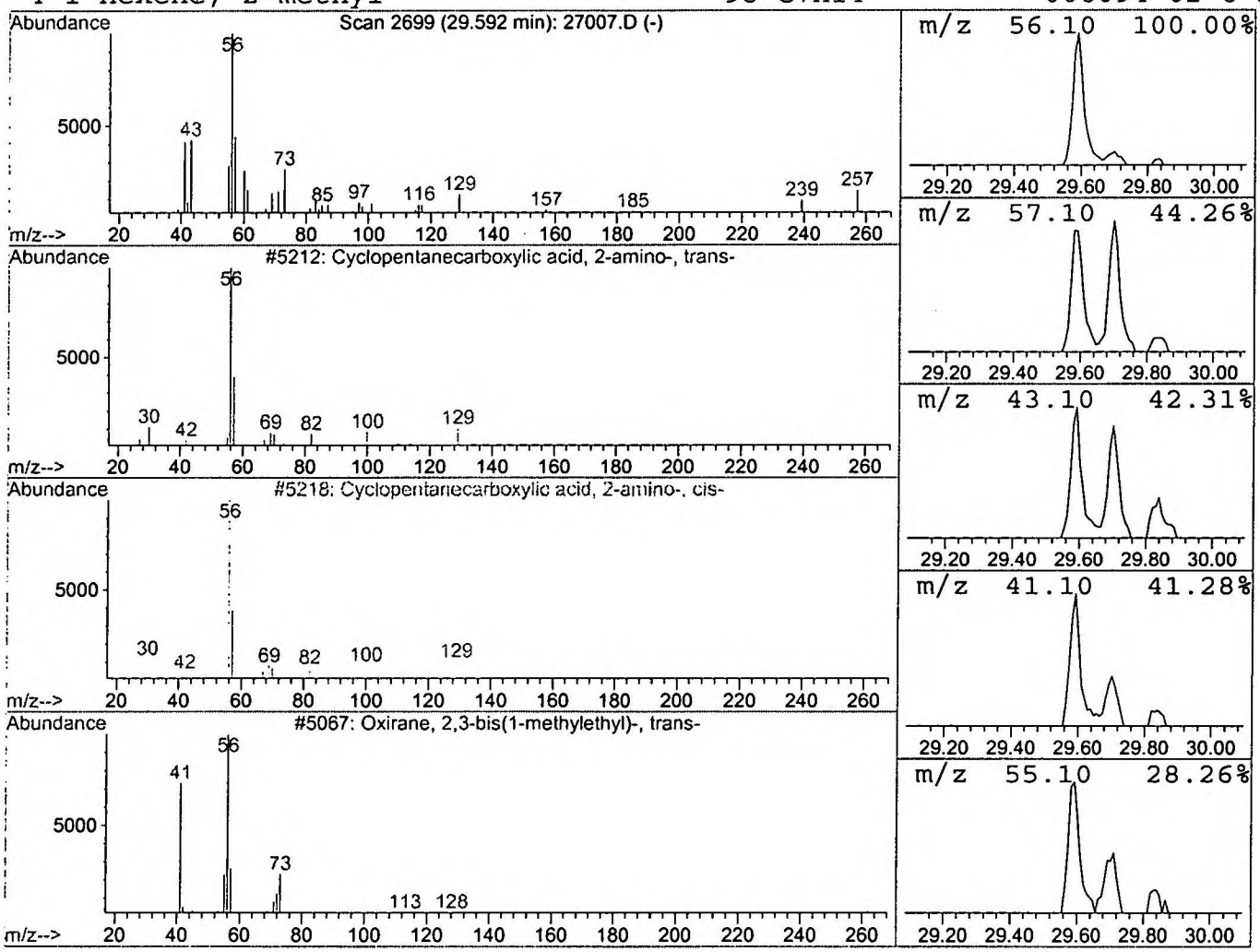
****

Peak Number 3 Cyclopentanecarboxylic acid, 2 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.59	0.72 ng/uL	211059	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	040482-05-1	38
2	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	037910-65-9	38
3	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	37
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	35



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Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

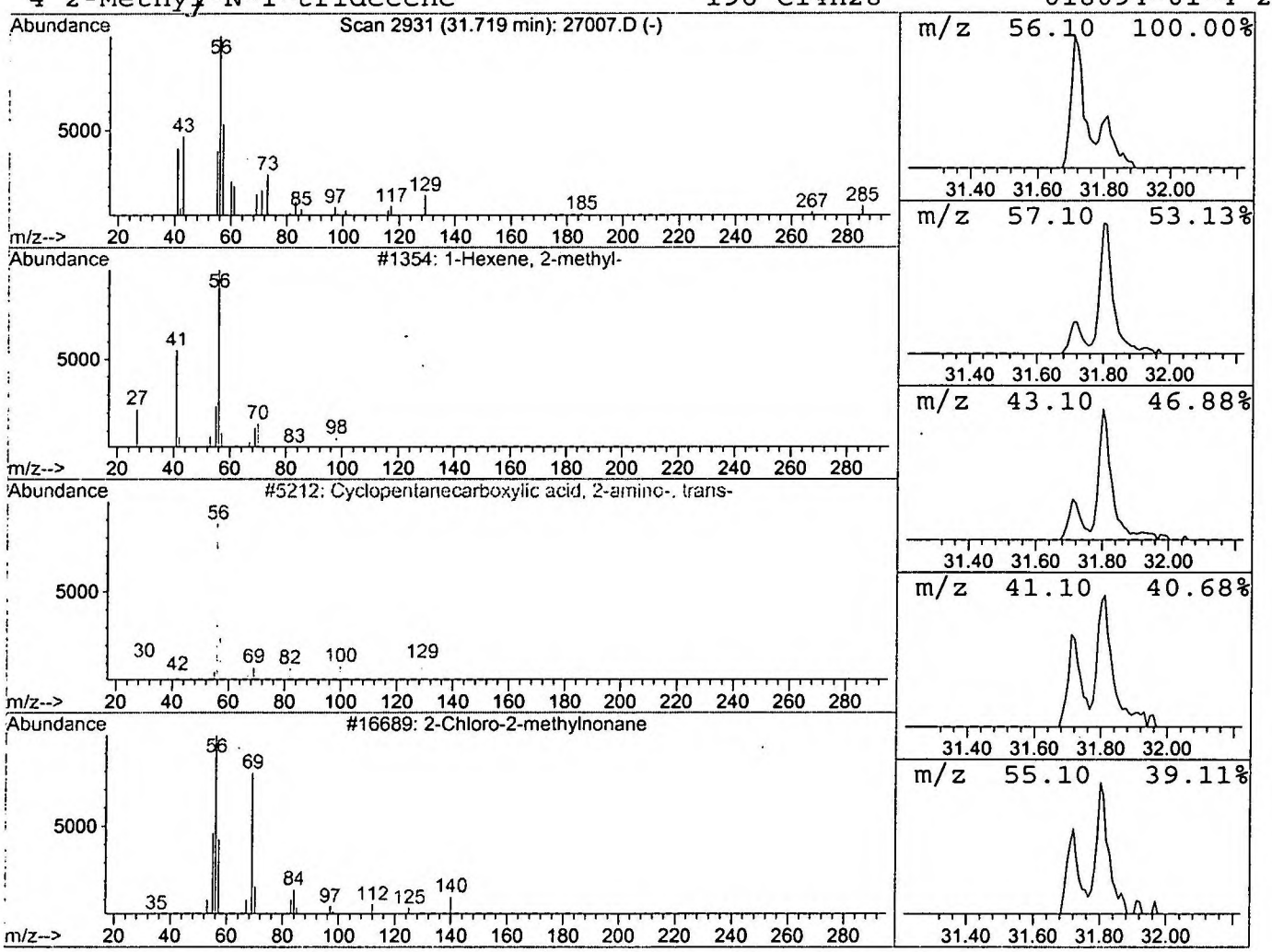
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 1-Hexene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.72	0.46 ng/uL	135527	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
2	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	040482-05-1	25
3	2-Chloro-2-methylnonane	176	C10H21Cl	004325-50-2	25
4	2-Methyl-N-1-tridecene	196	C14H28	018094-01-4	25



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Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

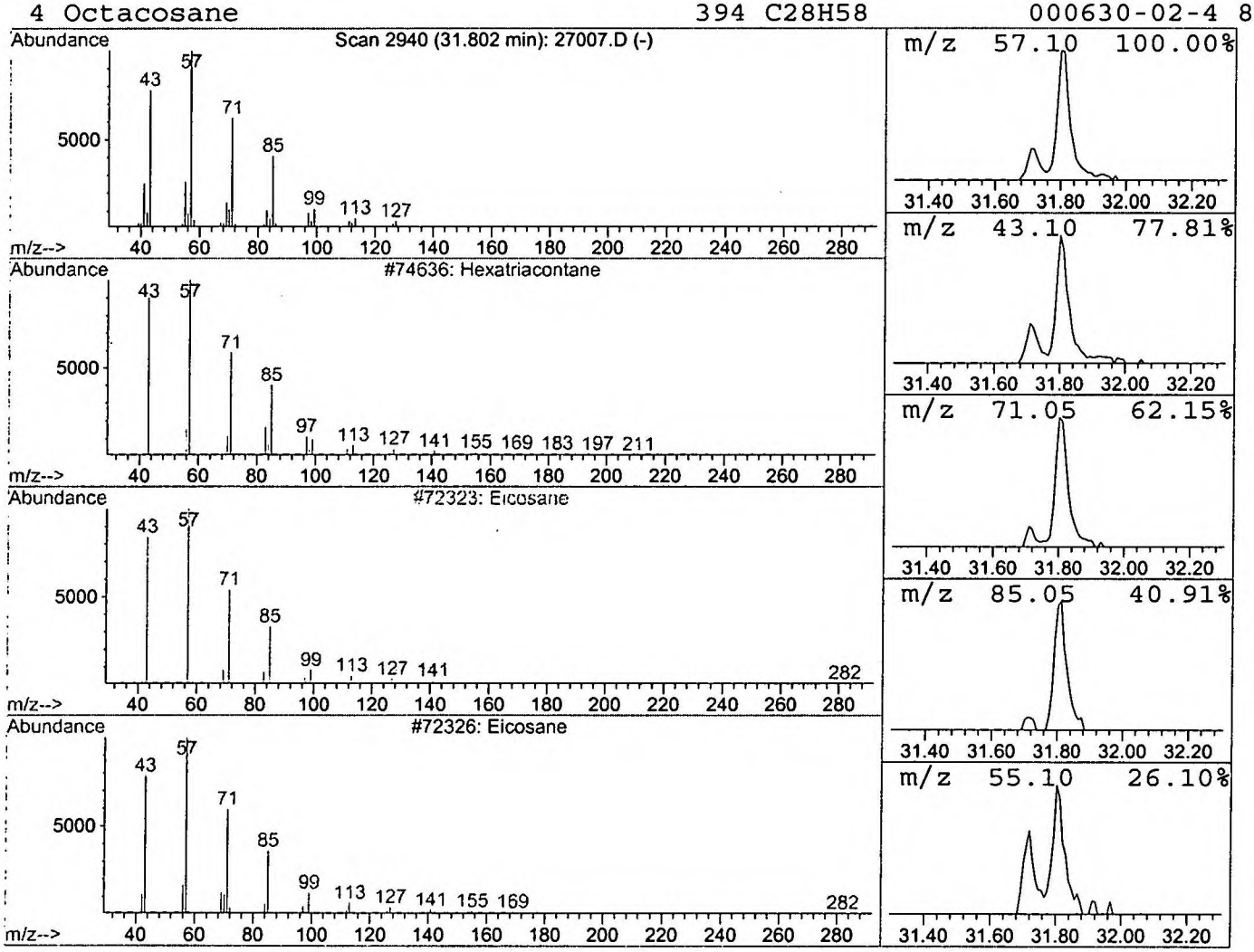
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Hexatriacontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.80	0.91 ng/uL	267119	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	90
2	Eicosane	282	C20H42	000112-95-8	87
3	Eicosane	282	C20H42	000112-95-8	86
4	Octacosane	394	C28H58	000630-02-4	86



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Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

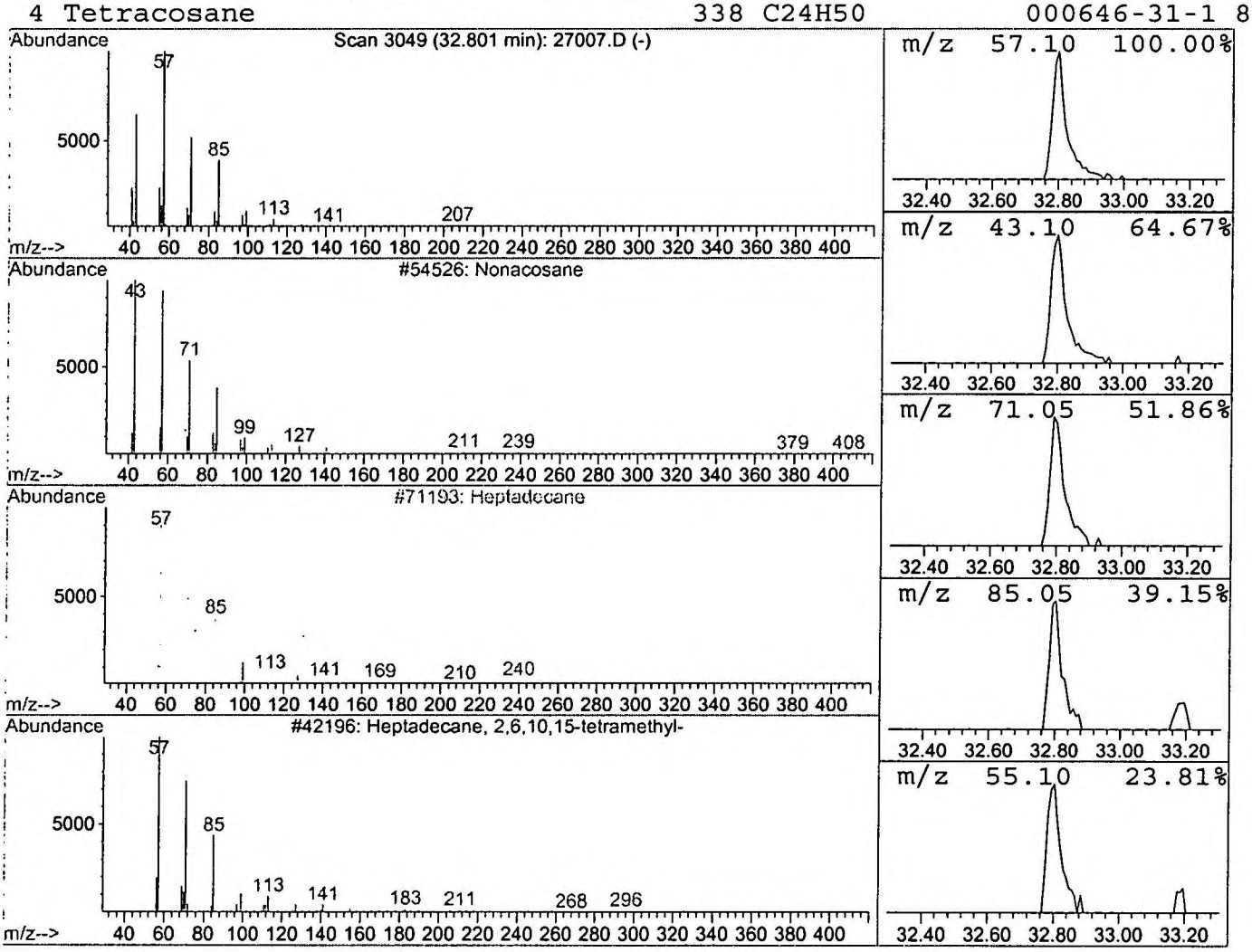
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Nonacosane — Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.80	0.74 ng/uL	217517	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4	Tetracosane	338	C24H50	000646-31-1	87



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Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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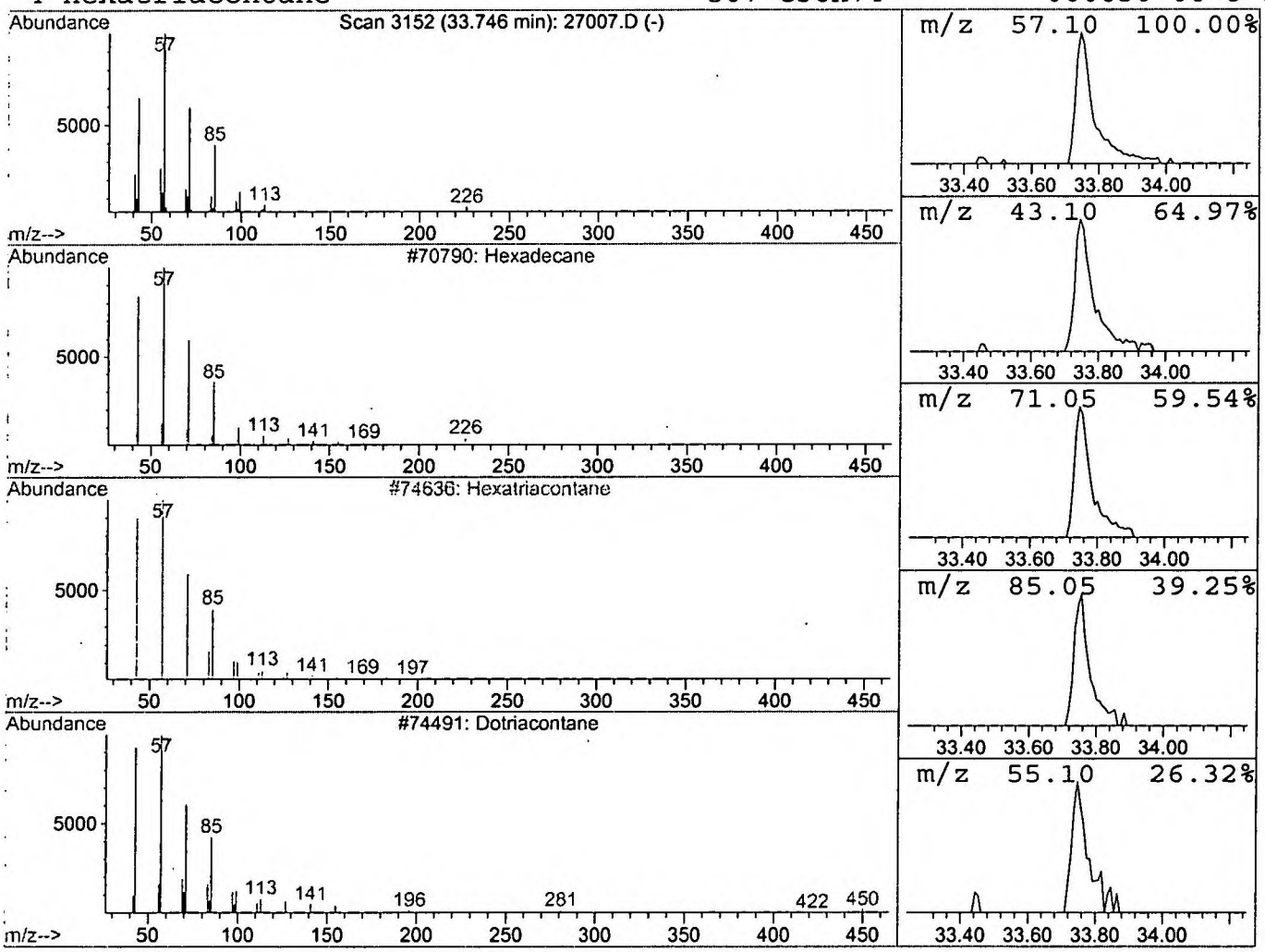
Peak Number 7 Hexadecane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.75	0.77 ng/uL	225165	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexatriacontane	507	C36H74	000630-06-8	90
3	Dotriacontane	451	C32H66	000544-85-4	87
4	Hexatriacontane	507	C36H74	000630-06-8	87



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27007.D Vial: 22
Acq On : 7 Dec 2001 5:16 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

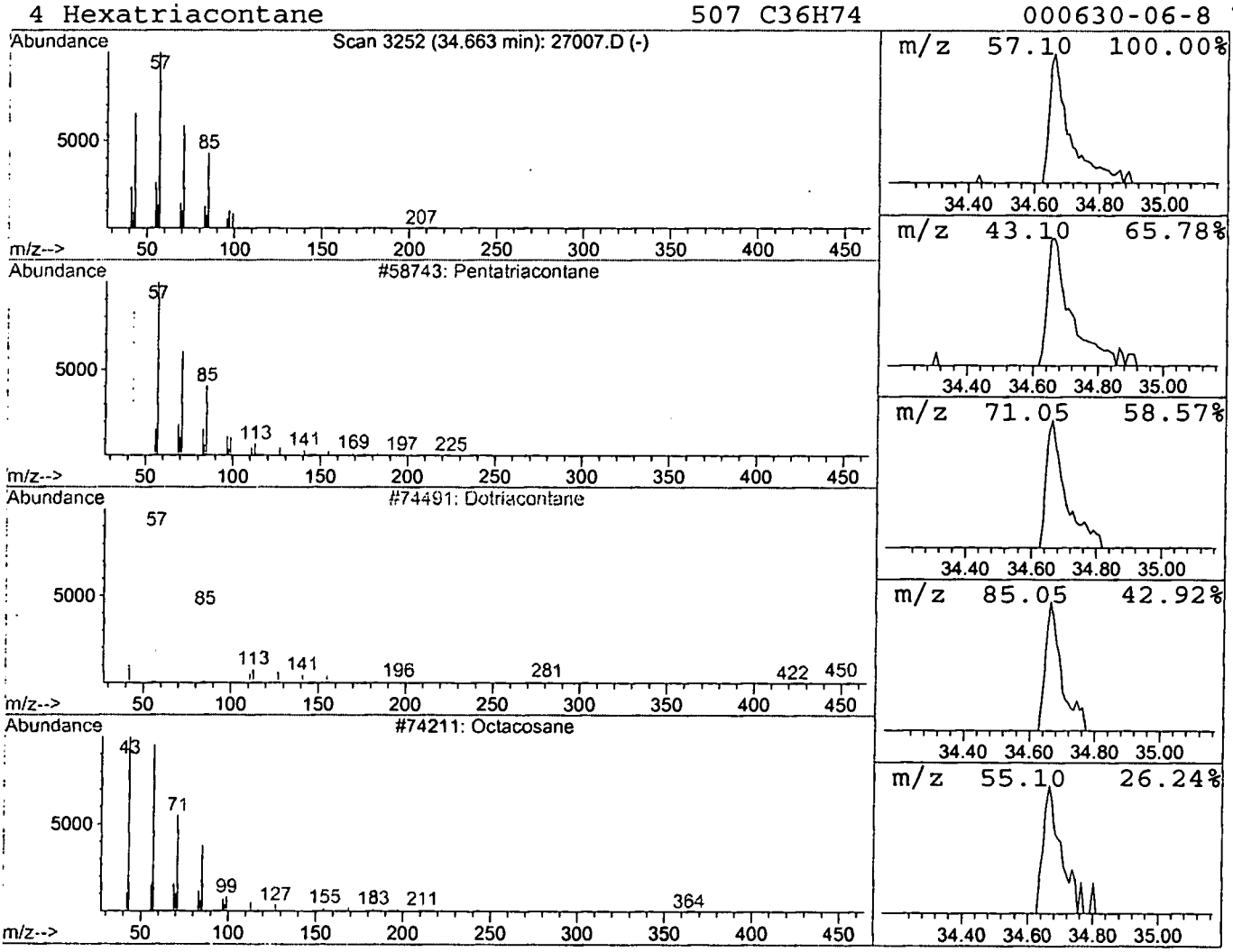
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 Pentatriacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.66	0.41 ng/uL	118769	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentatriacontane	493	C35H72	000630-07-9	90
2	Dotriacontane	451	C32H66	000544-85-4	90
3	Octacosane	394	C28H58	000630-02-4	83
4	Hexatriacontane	507	C36H74	000630-06-8	78



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 7 Dec 2001 5:16 am
Data File: C:\HPCHEM\1\DATA\DEC0601\27007.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Cyclohexane, methyl-	5.03	0.6	ng/uL	200657	ISTD01	11.89	6681030	20.0
2-Pentanone, 4-hydro	7.85	3.6	ng/uL	1195320	ISTD01	11.89	6681030	20.0
Cyclopentanecarboxyl	29.59	0.7	ng/uL	211059	ISTD05	33.19	5846200	20.0
1-Hexene, 2-methyl-	31.72	0.5	ng/uL	135527	ISTD05	33.19	5846200	20.0
Hexatriacontane	31.80	0.9	ng/uL	267119	ISTD05	33.19	5846200	20.0
Nonacosane	32.80	0.7	ng/uL	217517	ISTD05	33.19	5846200	20.0
Hexadecane	33.75	0.8	ng/uL	225165	ISTD05	33.19	5846200	20.0
Pentatriacontane	34.66	0.4	ng/uL	118769	ISTD05	33.19	5846200	20.0

27007.D NP112701.M Tue Dec 11 14:57:07 2001