User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/11/2001 Time: 16:47:12

Sample: AD27008
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/11/01 16:46 Ended: 12/11/01 16:46 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 AD27008 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-11-2001 Time: 16:47:17

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\27008.D Vial: 21
Acq On : 7 Dec 2001 4:21 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 11:49 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	1220852	20.00	ng/uL	-0.04
19) Naphthalene-d8	15.50	136	4679814	20.00	ng/uL	-0.04
31) Acenaphthene-d10	20.78	164	2103965	20.00	ng/uL	-0.04
49) Phenanthrene-d10	25.19	188	3032105	20.00	ng/uL	-0.05
59) Chrysene-d12	33.19	240	1990104	20.00	ng/uL	-0.05
68) Perylene-d12	37.28	264	1412388	20.00	ng/uL	-0.05

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	1279	0.01	ng/uL	0.47
Spiked Amount 75.000	Range 34 - 84		Recovery = 0.01%#			
7) 1,2-Dichlorobenzene-d4	12.08	152	867	0.02	ng/uL	-0.37
Spiked Amount 50.000	Range 26 - 73		Recovery = 0.04%#			
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery = 0.00%#			
32) 2-Fluorobiphenyl	18.92	172	2420	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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Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	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	0.00	149	0	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	25.19	178	586	N.D.	
56)	Anthracene	25.19	178	586	N.D.	
57)	Di-n-butylphthalate	27.18	149	2861	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

Quantitation Report (QT Reviewed)

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Acq On : 7 Dec 2001 4:21 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
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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

	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	4584	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.45	149	3026	N.D.	
67)	Chrysene	33.19	228	4584	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	4619	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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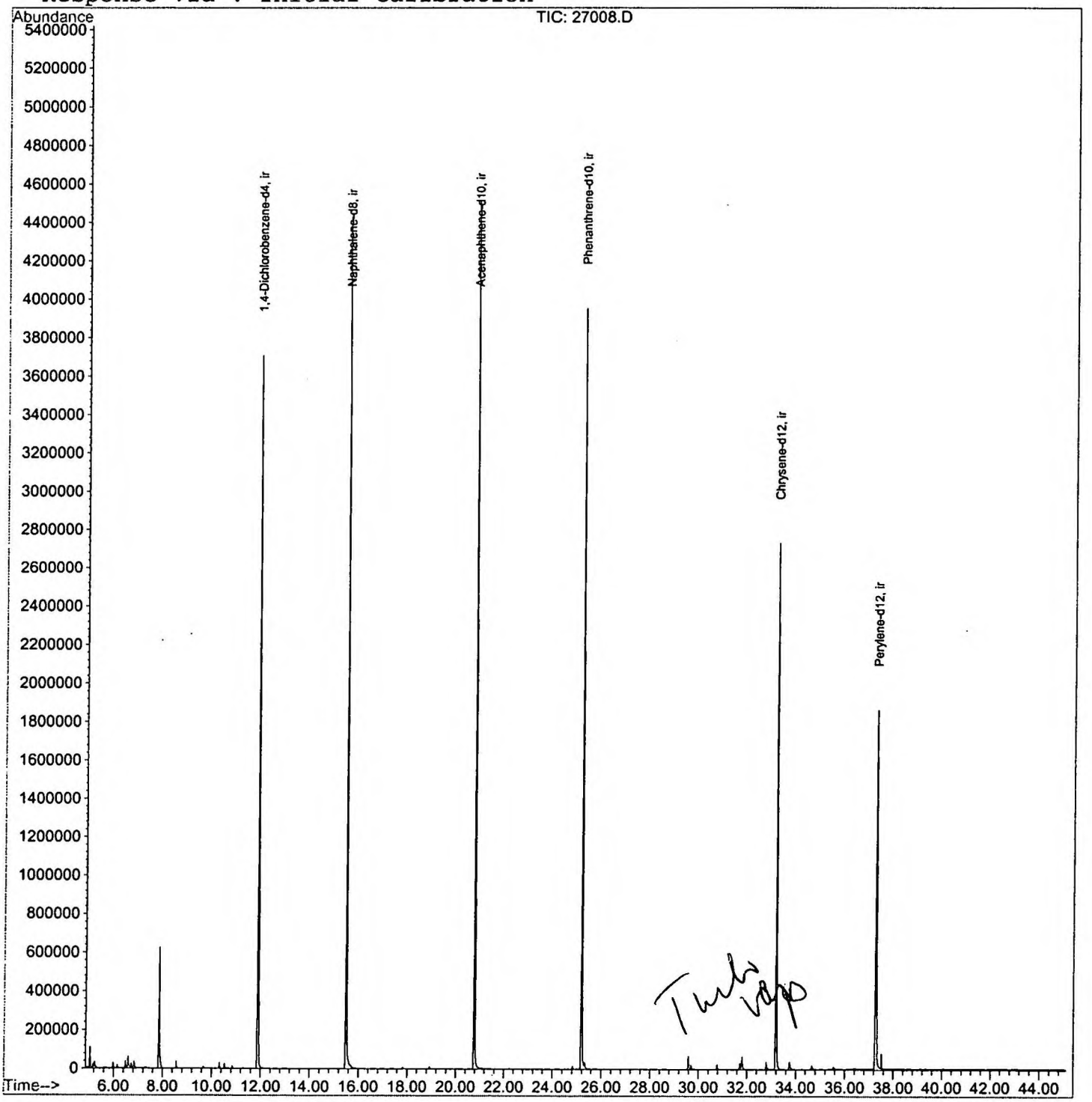
Acq On : 7 Dec 2001 4:21 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 11:49 2001 Quant Results File: NP112701.RES

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\27008.D Vial: 21
Acq On : 7 Dec 2001 4:21 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

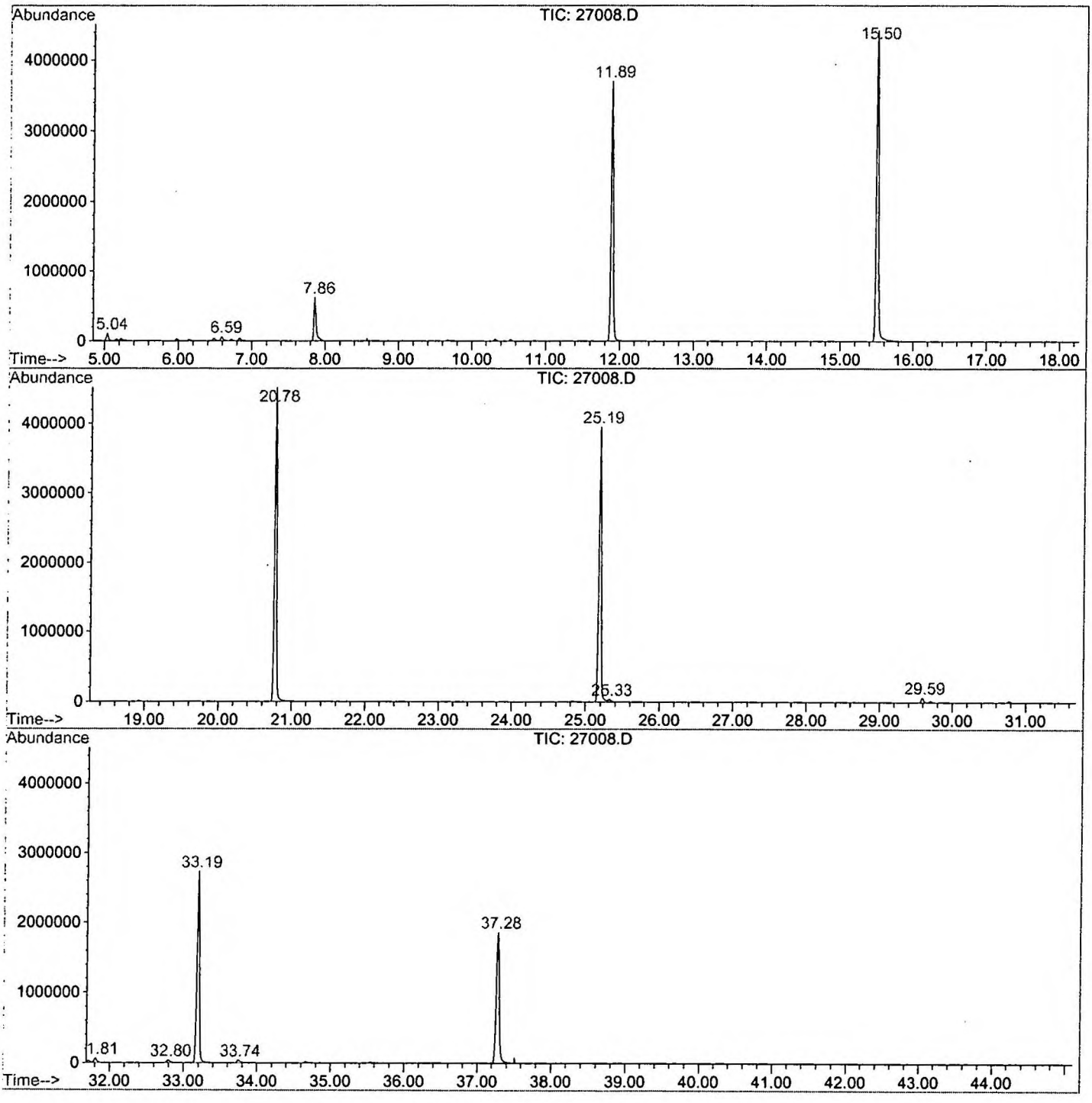
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.041	16	22	30	rVB	111218	208172	2.20%	0.427%
2	6.591	187	191	201	rVB	61552	136318	1.44%	0.280%
3	7.857	325	329	345	rVB	623090	1263071	13.34%	2.592%
4	11.891	763	769	791	rBV	3706067	7593614	80.22%	15.586%
5	15.504	1156	1163	1179	rBV	4426470	9465840	100.00%	19.429%
6	20.777	1731	1738	1760	rBV	4515572	9340179	98.67%	19.171%
7	25.188	2212	2219	2230	rBV2	3954057	8512026	89.92%	17.471%
8	25.326	2230	2234	2243	rVB	33382	101512	1.07%	0.208%
9	29.590	2695	2699	2708	rBV2	69694	149718	1.58%	0.307%
10	31.809	2936	2941	2953	rVB	65902	165999	1.75%	0.341%
11	32.799	3043	3049	3056	rBV2	39649	110056	1.16%	0.226%
12	33.194	3085	3092	3108	rBV2	2731959	6340112	66.98%	13.013%
13	33.744	3147	3152	3163	rBV	39488	129566	1.37%	0.266%
14	37.283	3530	3538	3556	rBV2	1858639	5205112	54.99%	10.683%

Sum of corrected areas: 48721295

27008.D NP112701.M Tue Dec 11 14:57:44 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\27008.D
Operator : GALOS
Acquired : 7 Dec 2001 4:21 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 21
Quant File :NP112701.RES (RTE Integrator)



27008.D NP112701.M Tue Dec 11 14:57:48 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27008.D
Acq On : 7 Dec 2001 4:21 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

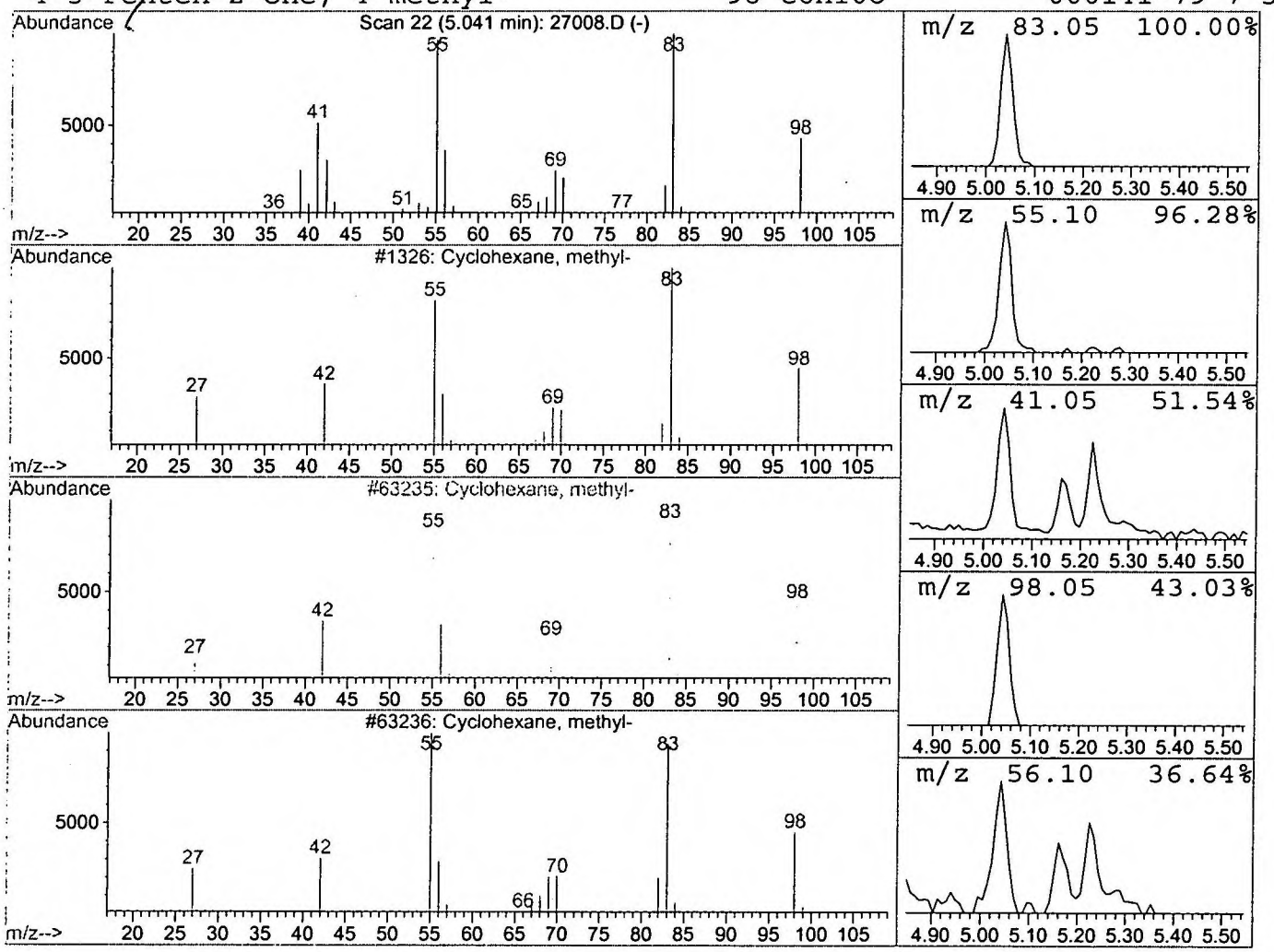
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclohexane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	0.55 ng/uL	208172	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	96
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	93
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	52



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27008.D Vial: 21
Acq On : 7 Dec 2001 4:21 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

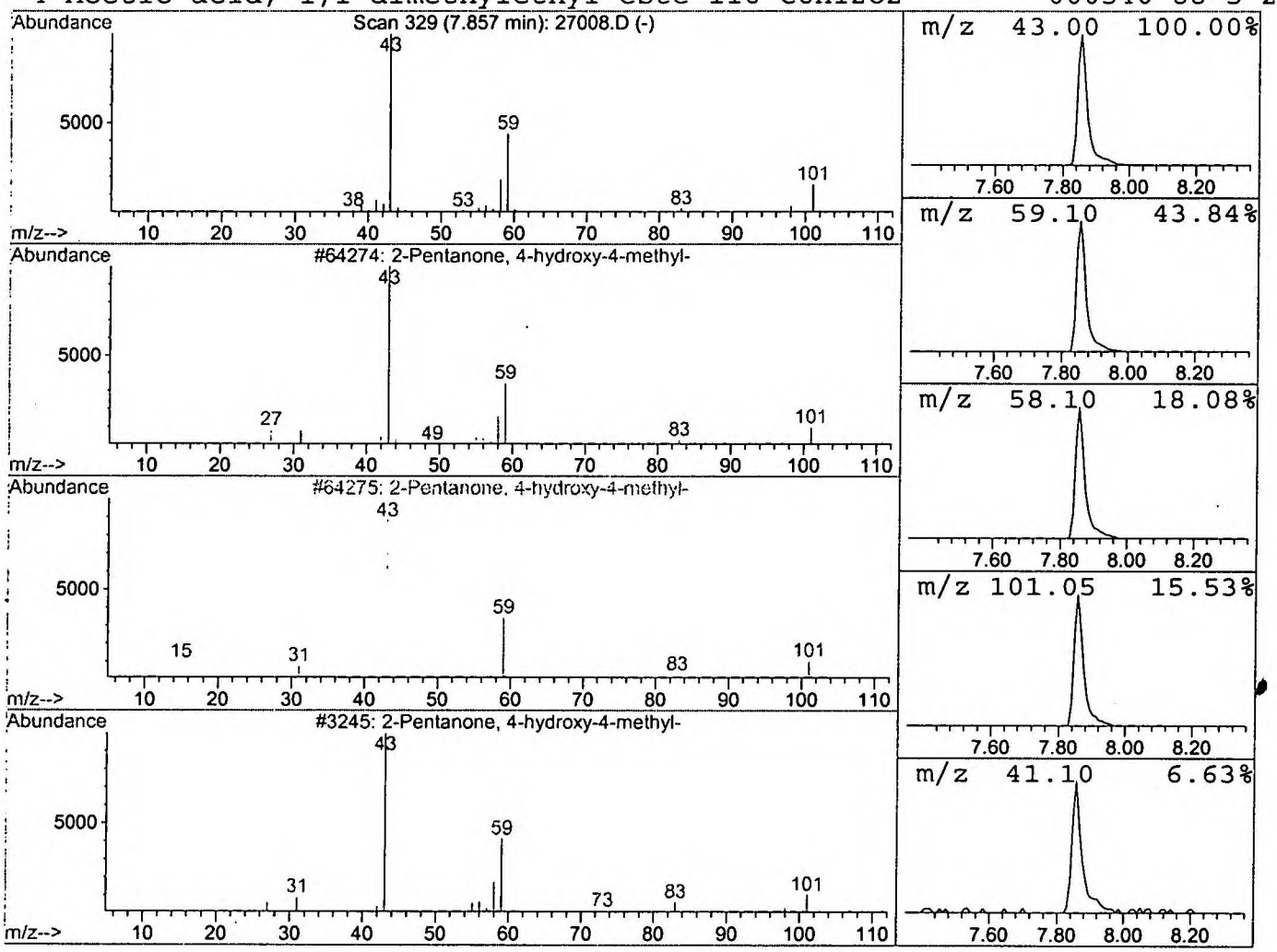
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	3.33 ng/uL	1263070	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	59
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

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Acq On : 7 Dec 2001 4:21 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

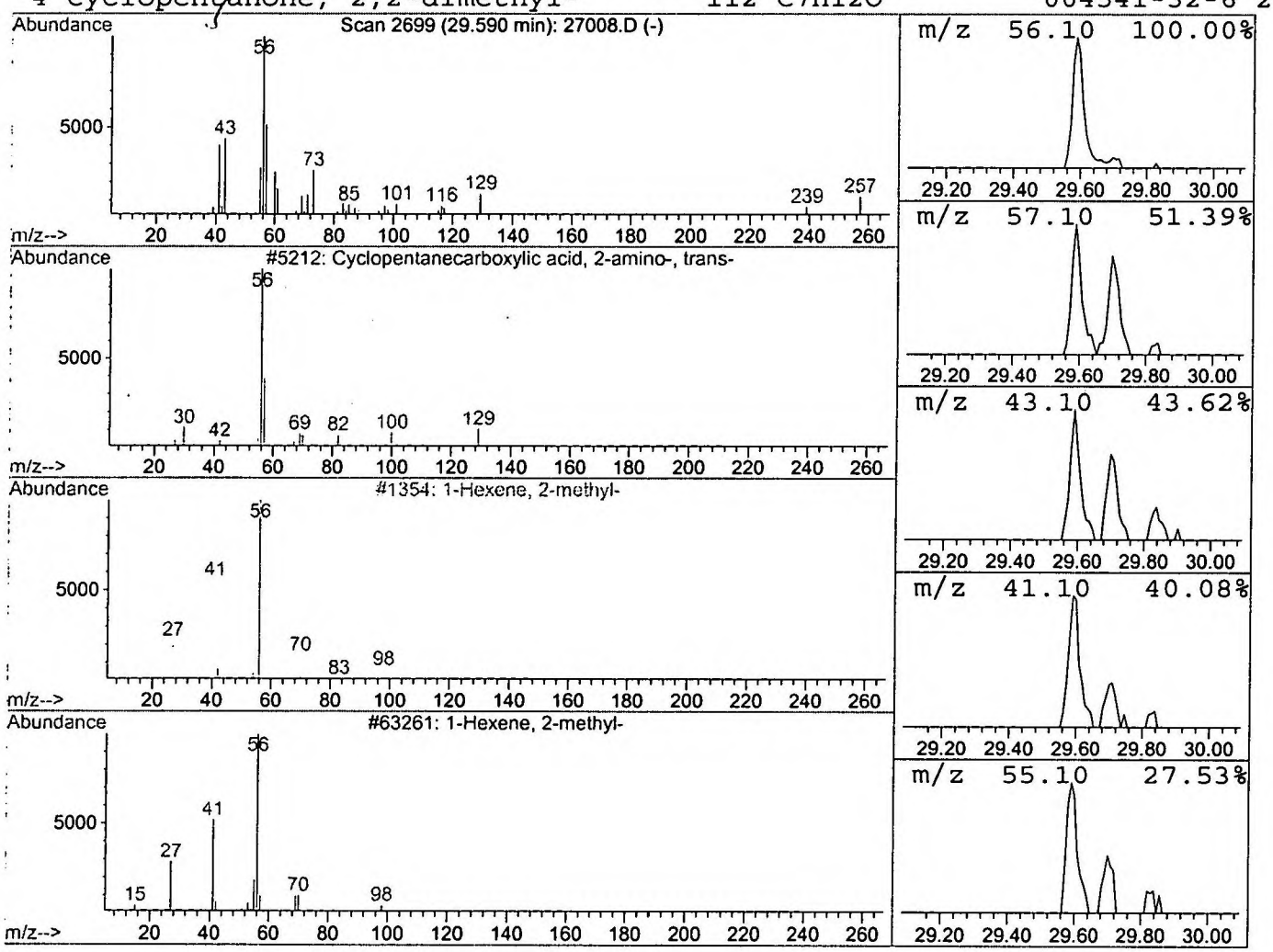
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclopentanecarboxylic acid, 2 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.59	0.47 ng/uL	149718	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	040482-05-1	43
2	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	35
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	35
4	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\27008.D
Acq On : 7 Dec 2001 4:21 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

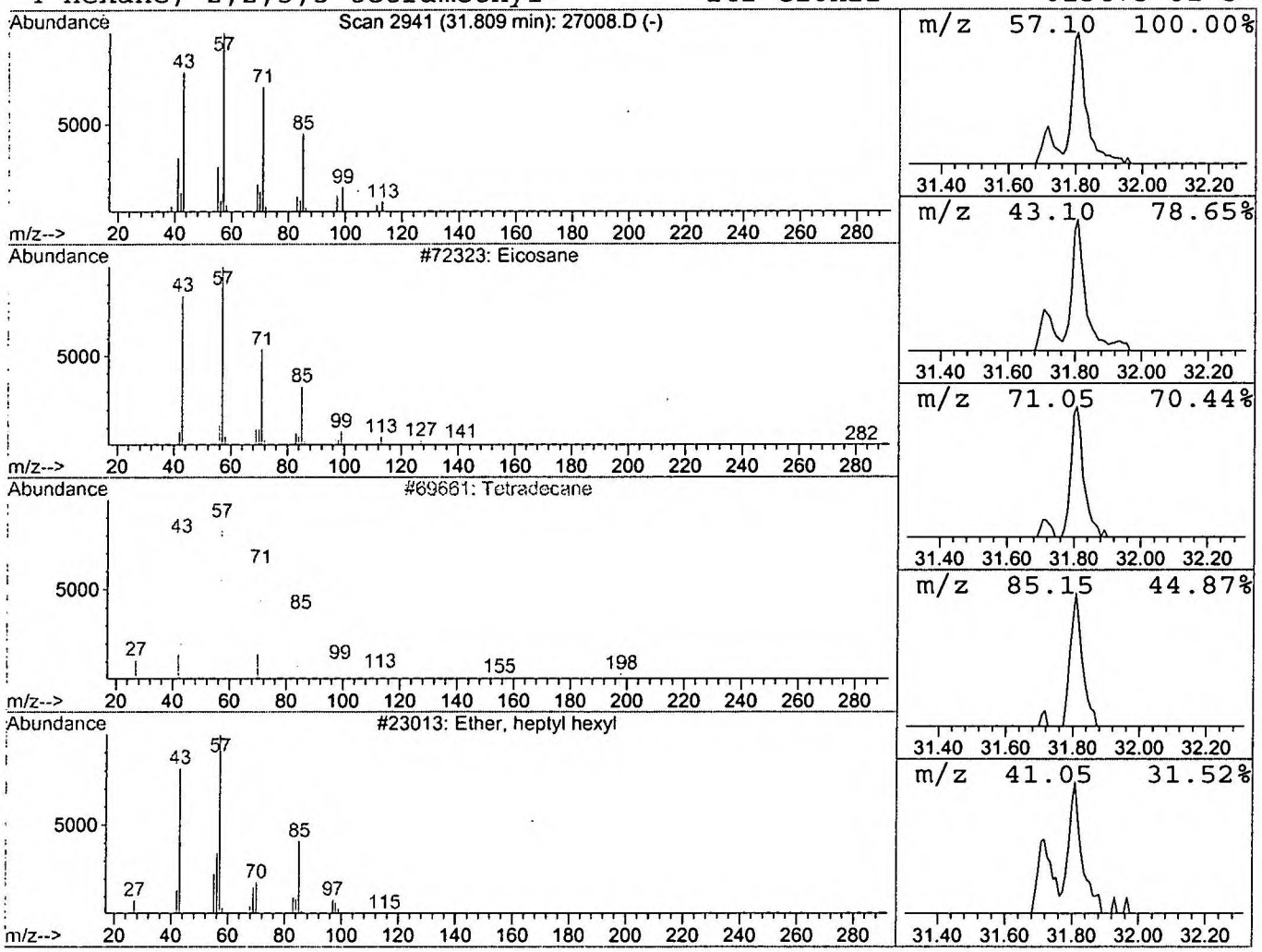
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Eicosane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.81	0.52 ng/uL	165999	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Tetradecane	198	C14H30	000629-59-4	64
3	Ether, heptyl hexyl	200	C13H28O	007289-40-9	47
4	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	47



Library Search Compound Report

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Acq On : 7 Dec 2001 4:21 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

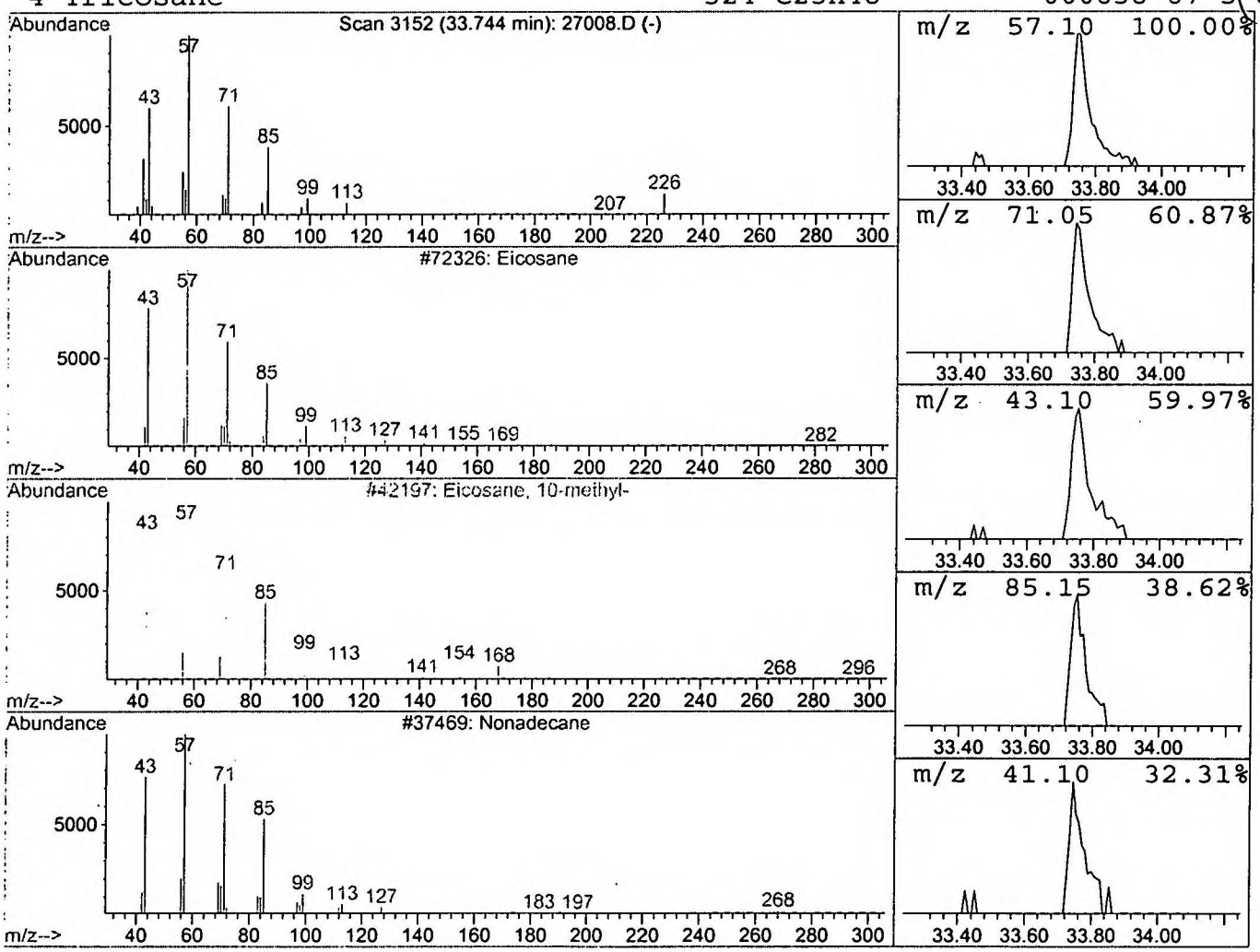
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Eicosane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.74	0.41 ng/uL	129566	Chrysene-d12	33.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
3	Nonadecane	268	C19H40	000629-92-5	86
4	Tricosane	324	C23H48	000638-67-5	86



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 7 Dec 2001 4:21 am
Data File: C:\HPCHEM\1\DATA\DEC0601\27008.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-	5.04	0.5	ng/uL	208172	ISTD01	11.89	7593610	20.0
2-Pentanone, 4-hydro	7.86	3.3	ng/uL	1263070	ISTD01	11.89	7593610	20.0
Cyclopentanecarboxyl	29.59	0.5	ng/uL	149718	ISTD05	33.19	6340110	20.0
Eicosane	31.81	0.5	ng/uL	165999	ISTD05	33.19	6340110	20.0
Eicosane	33.74	0.4	ng/uL	129566	ISTD05	33.19	6340110	20.0

27008.D NP112701.M Tue Dec 11 14:58:10 2001