

User: Galos, Marie
 Westchester Dept. of Labs & Research
 Date: 09/27/2001 Time: 09:04:11

Sample: AD22494
 Analysis: \$GCMS GC/MS Scan For Unknowns
 Started: 9/27/01 09:03 Ended: 9/27/01 09:03 Analyst: MG
 Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

✓
 Need
 Validation
 See LB

Comments for Sample AD22494 - Analysis \$GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-03-2001 Time: 13:50:30

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank.

Library Search Compound Report

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 Sample : GC/MS unknown
 Misc :
 MS Integration Params: LSCINT.P

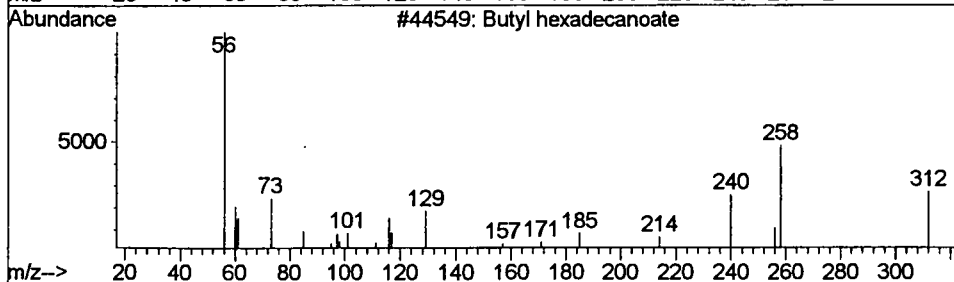
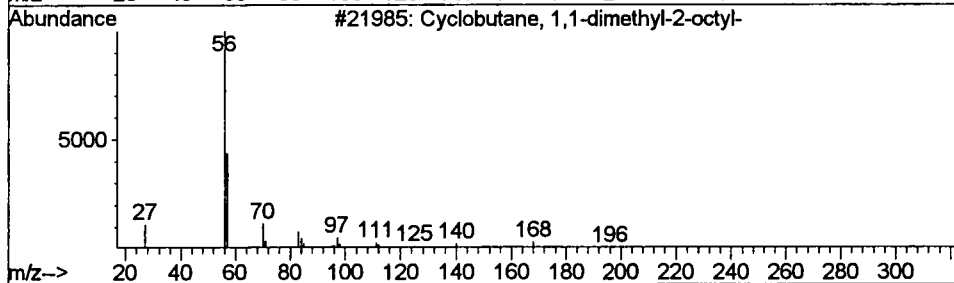
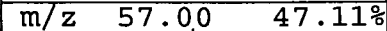
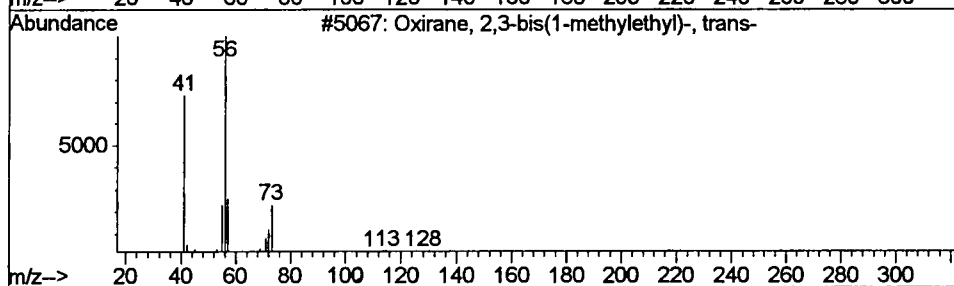
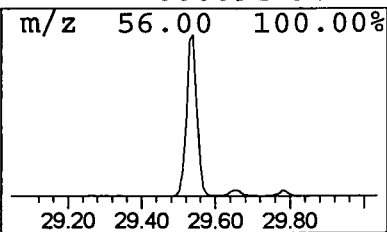
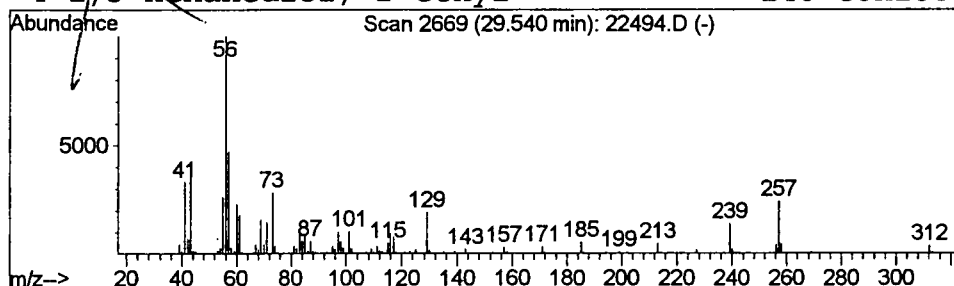
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 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 1 Oxirane, 2,3-bis(1-methylethyl) Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.54	4.15 ug/l	472577	Chrysene-d12	33.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	32
2			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	27
3			Butyl hexadecanoate	312	C20H40O2	000000-00-0	25
4			1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	23



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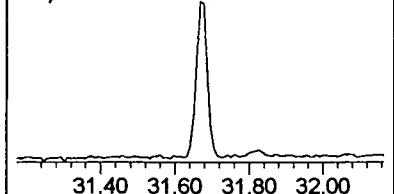
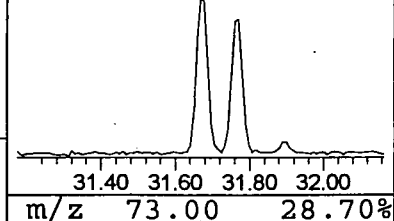
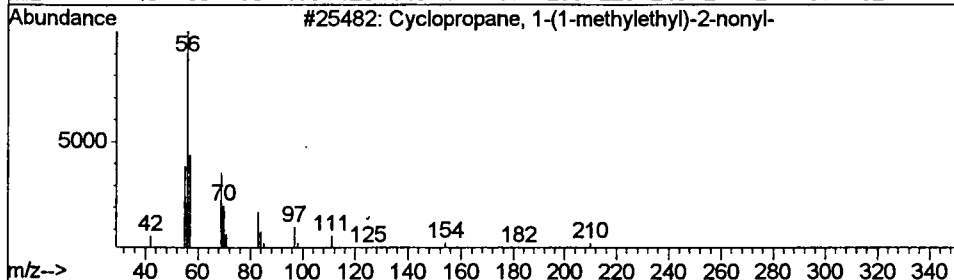
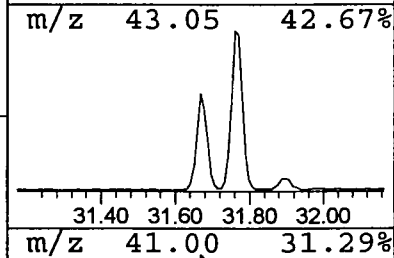
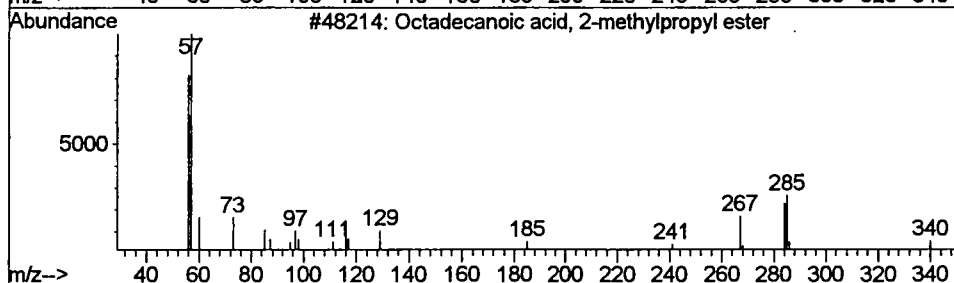
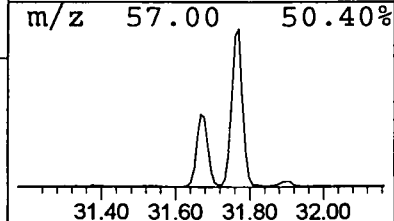
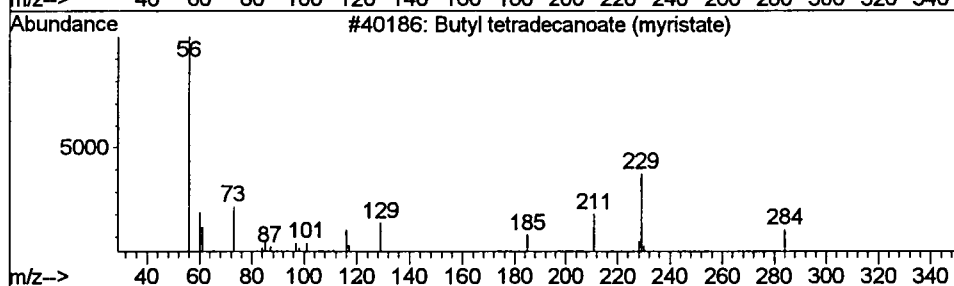
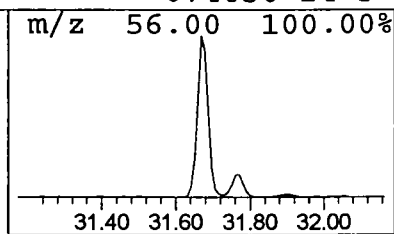
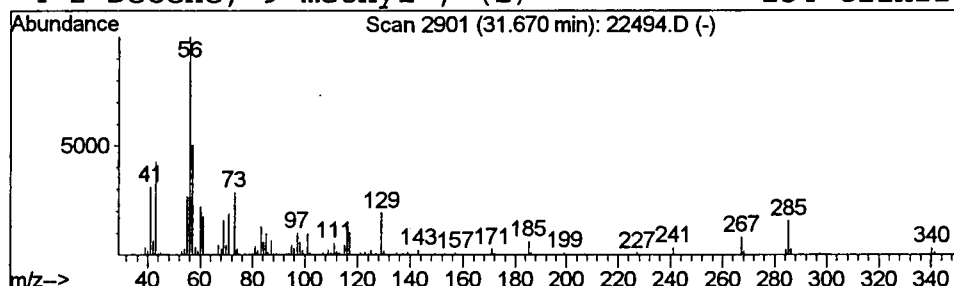
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 Inst : GC/MS 209
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Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 2 Butyl tetradecanoate (myristat Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.67	3.38 ug/l	385013	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	86
2	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	38
3	Cyclopropane, 1-(1-methylethyl)-2-n	210	C15H30	041977-39-3	35
4	2-Decene, 9-methyl-, (Z)-	154	C11H22	074630-24-3	25



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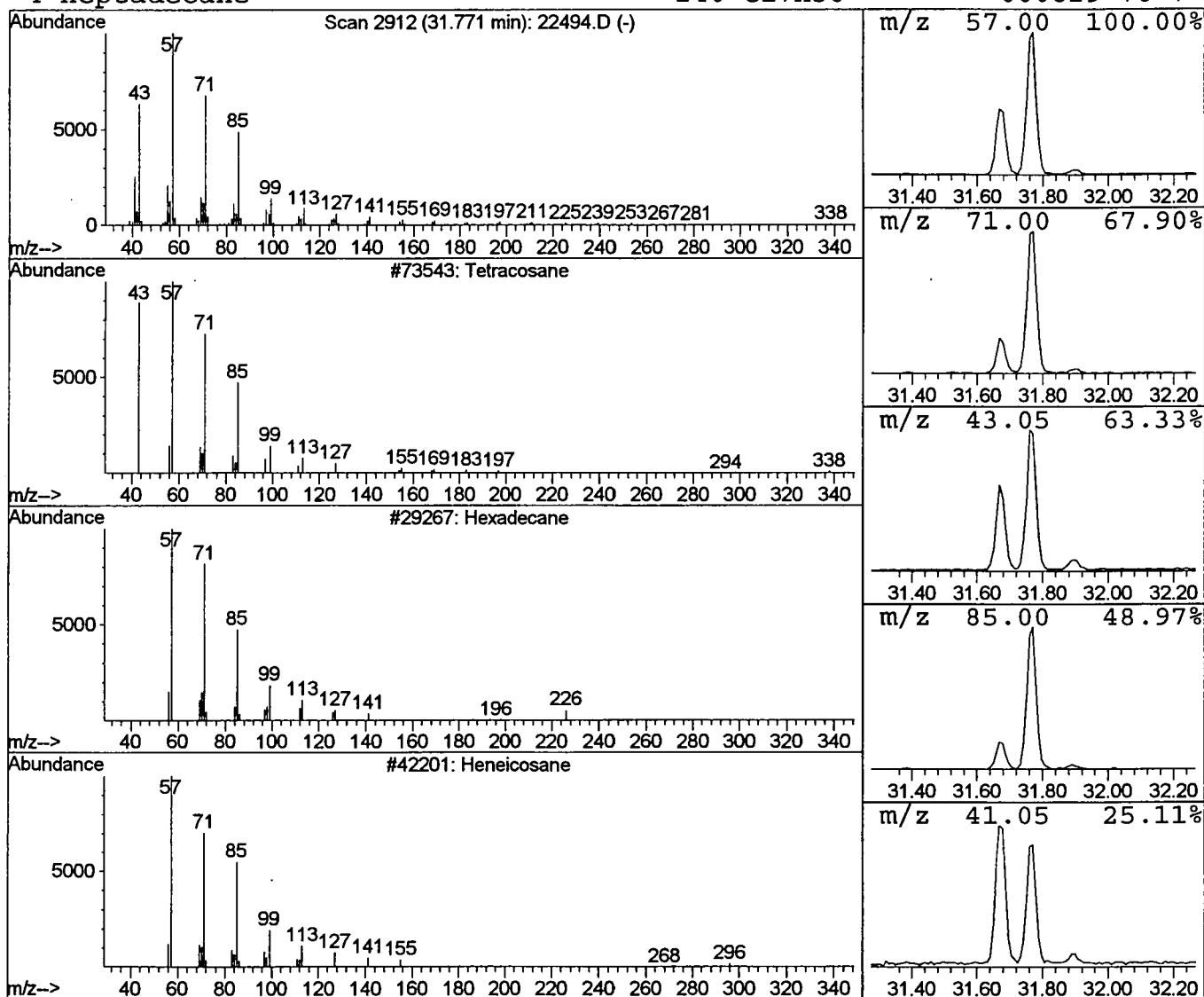
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Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
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 Peak Number 3 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.77	3.00 ug/l	340734	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	99
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane	240	C17H36	000629-78-7	91



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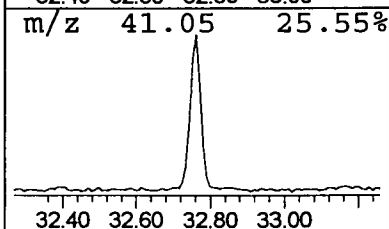
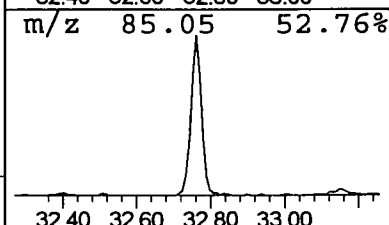
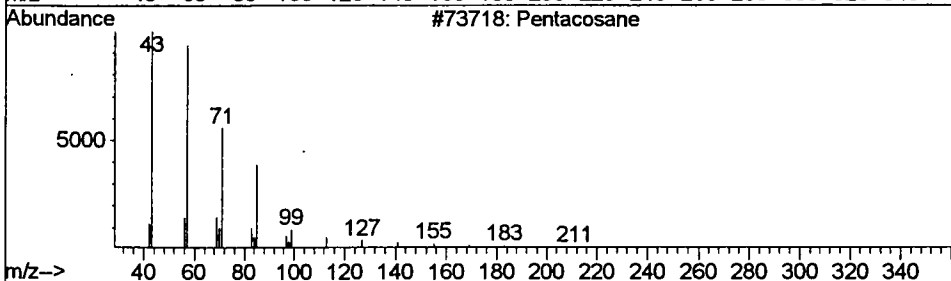
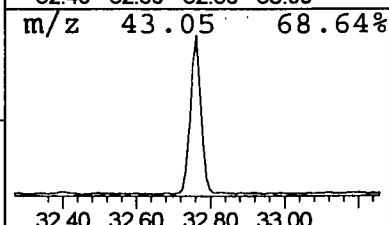
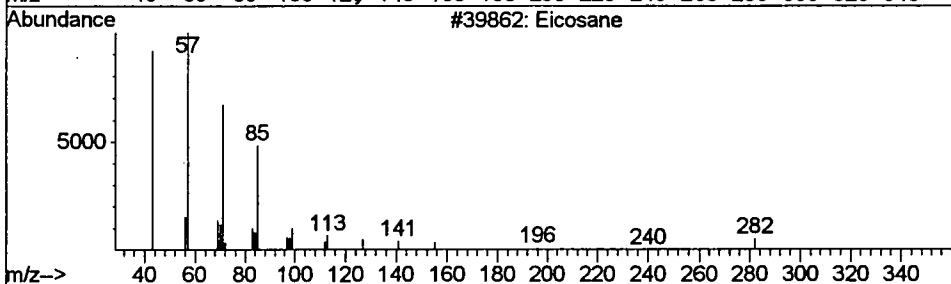
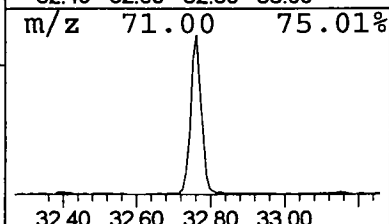
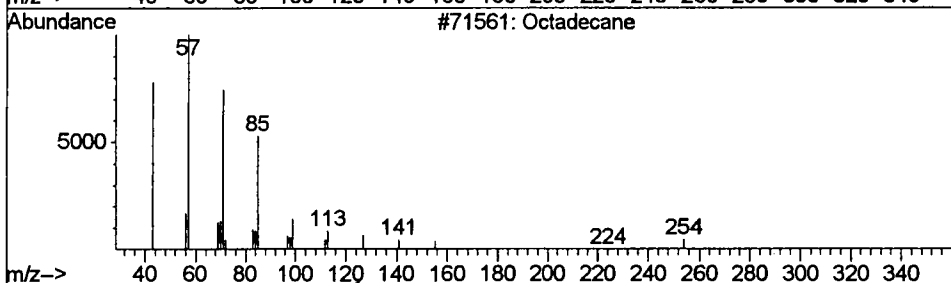
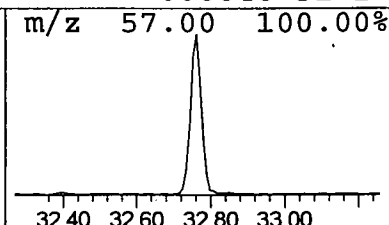
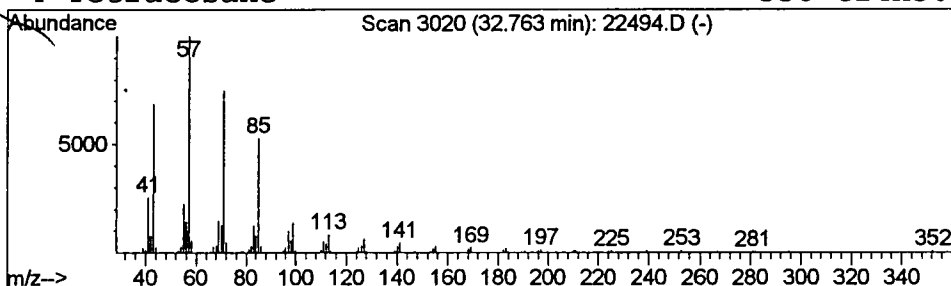
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 Inst : GC/MS 209
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Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 4 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.76	3.10 ug/l	352148	Chrysene-d12	33.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	91
2			Eicosane	282	C20H42	000112-95-8	91
3			Pentacosane	352	C25H52	000629-99-2	91
4			Tetracosane	338	C24H50	000646-31-1	91



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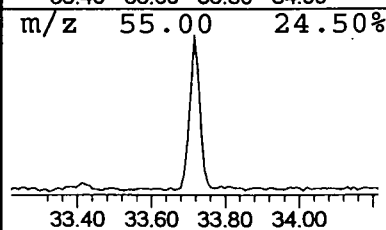
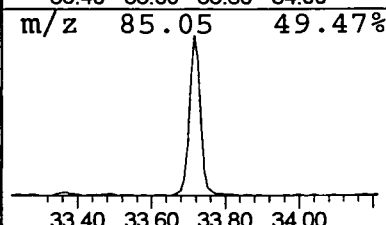
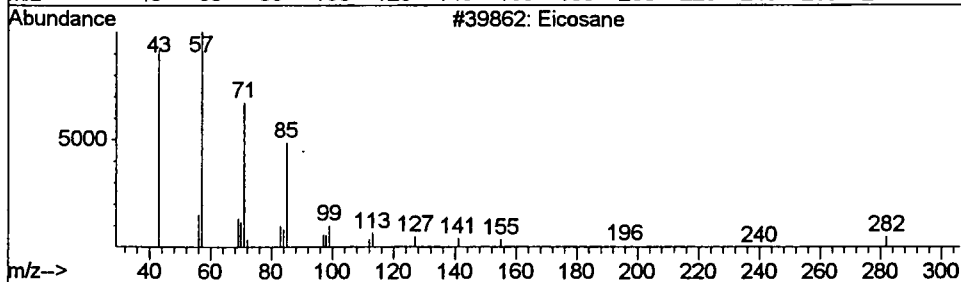
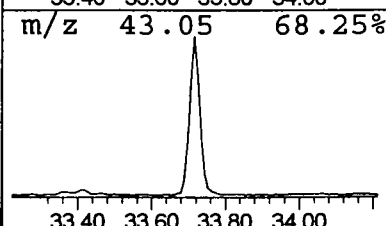
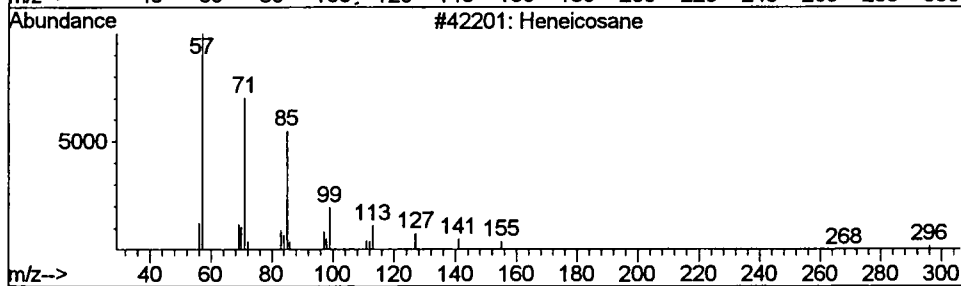
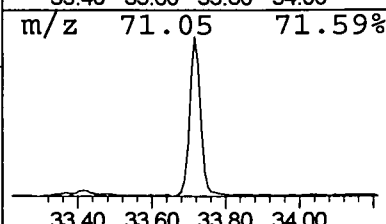
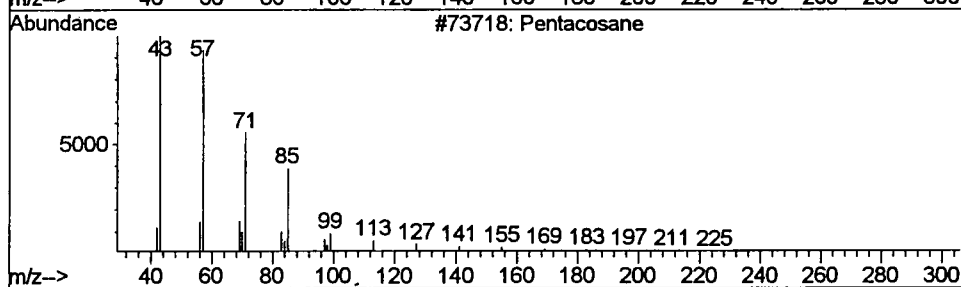
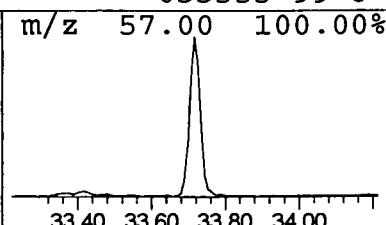
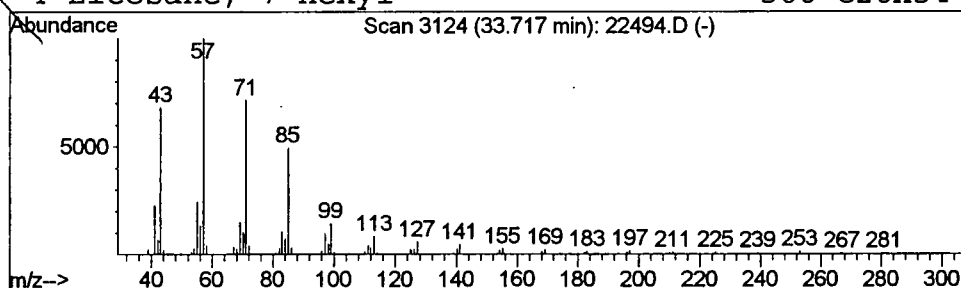
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 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 5 Pentacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.72	3.70 ug/l	421131	Chrysene-d12	33.15

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91	
2	Heneicosane	296	C21H44	000629-94-7	91	
3	Eicosane	282	C20H42	000112-95-8	91	
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91	



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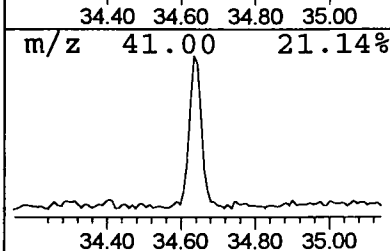
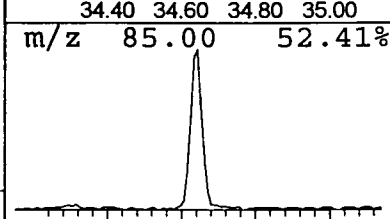
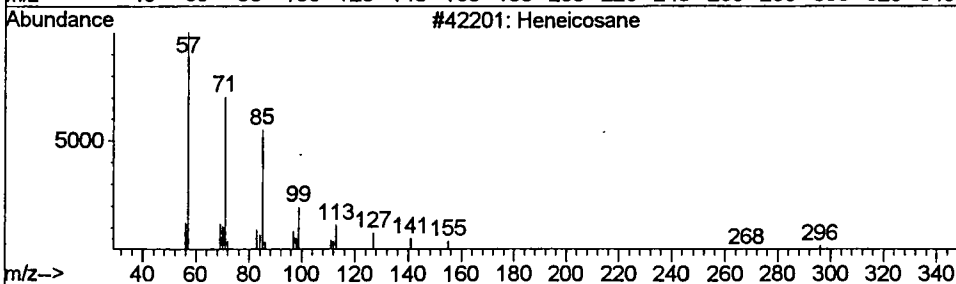
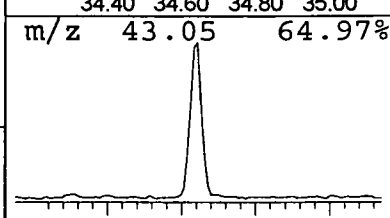
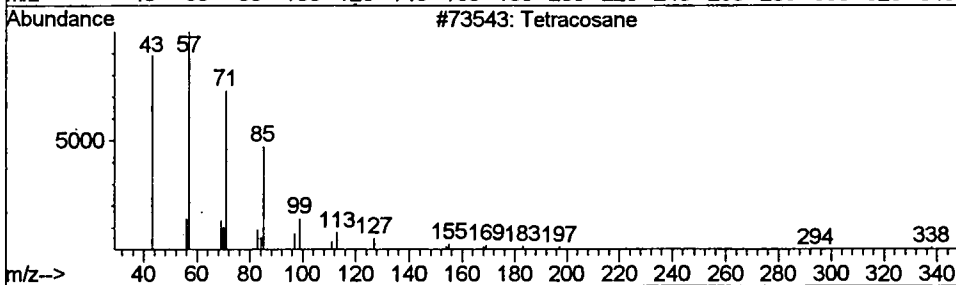
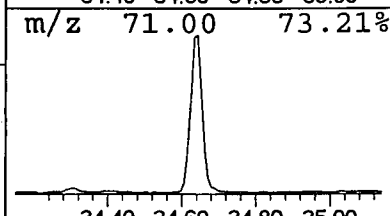
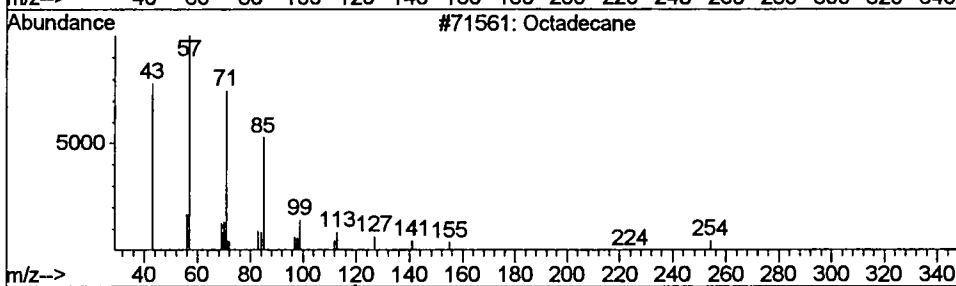
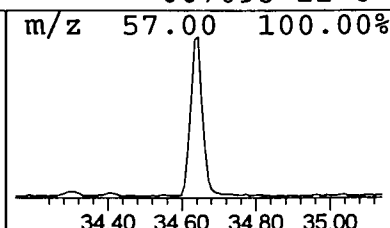
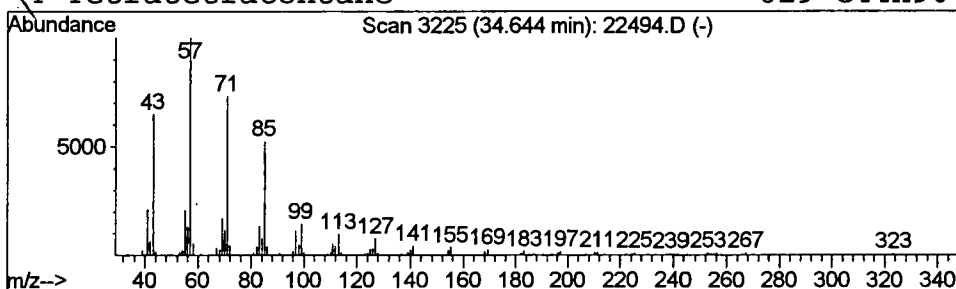
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Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
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 Peak Number 6 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.64	2.80 ug/l	318038	Chrysene-d12	33.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	91
2			Tetracosane	338	C24H50	000646-31-1	91
3			Heneicosane	296	C21H44	000629-94-7	91
4			Tetratetracontane	619	C44H90	007098-22-8	91



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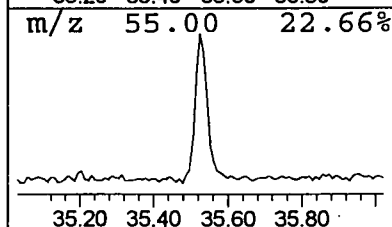
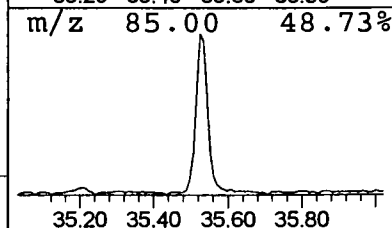
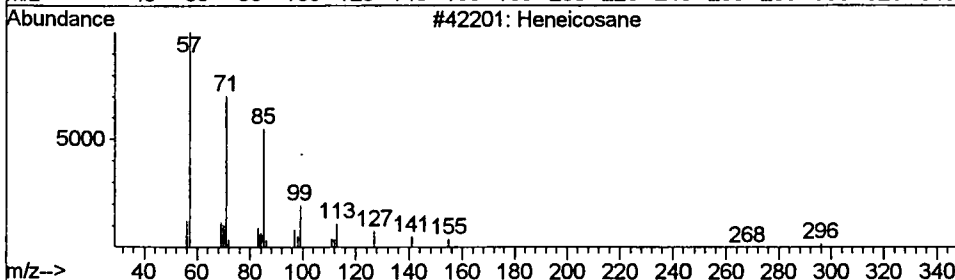
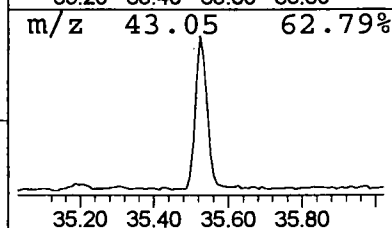
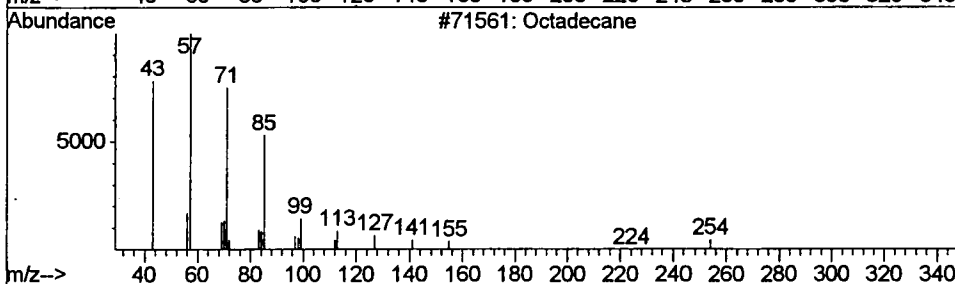
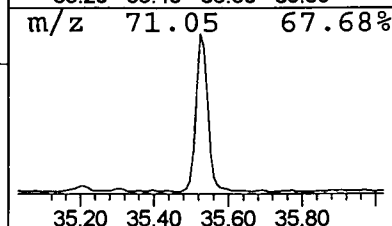
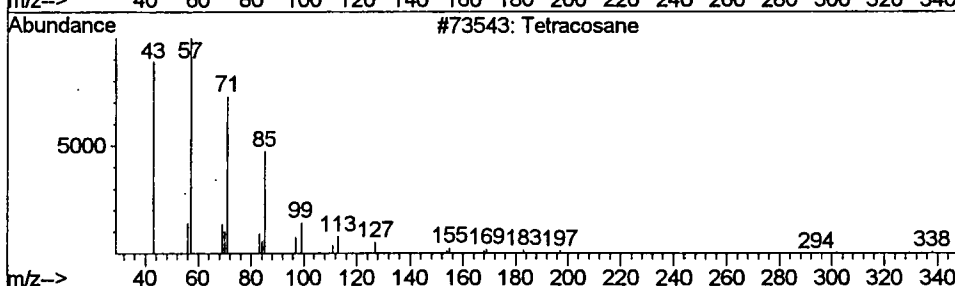
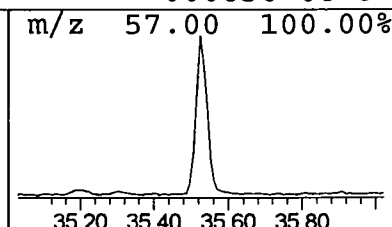
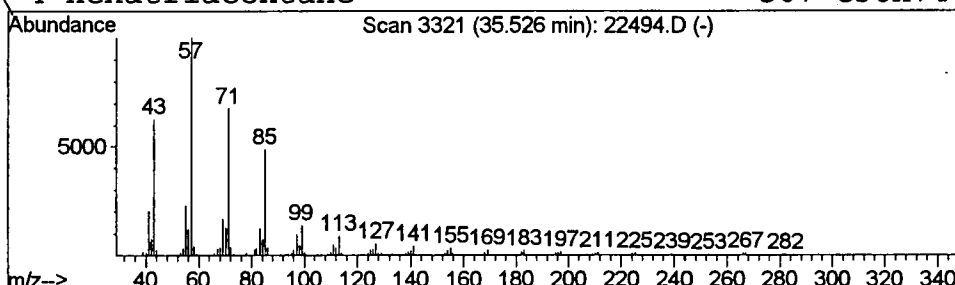
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Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 7 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.53	3.07 ug/l	288767	Perylene-d12	37.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	91
2			Octadecane	254	C18H38	000593-45-3	91
3			Heneicosane	296	C21H44	000629-94-7	91
4			Hexatriacontane	507	C36H74	000630-06-8	91



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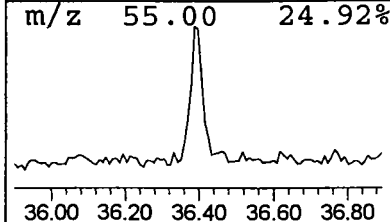
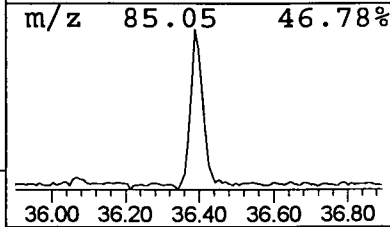
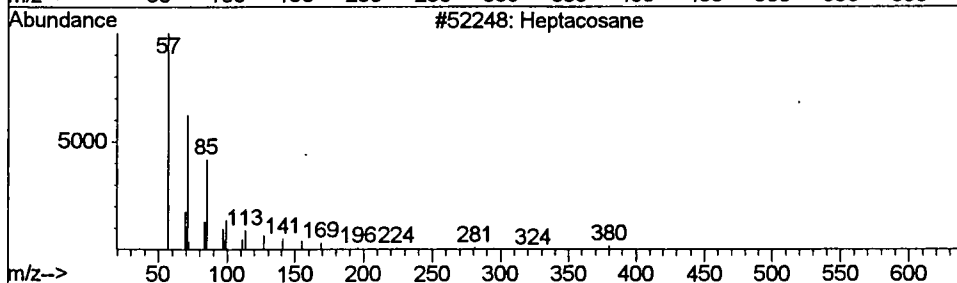
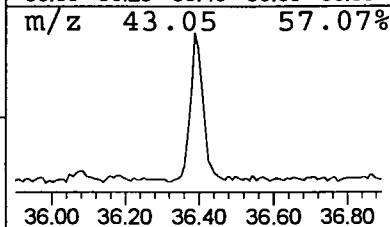
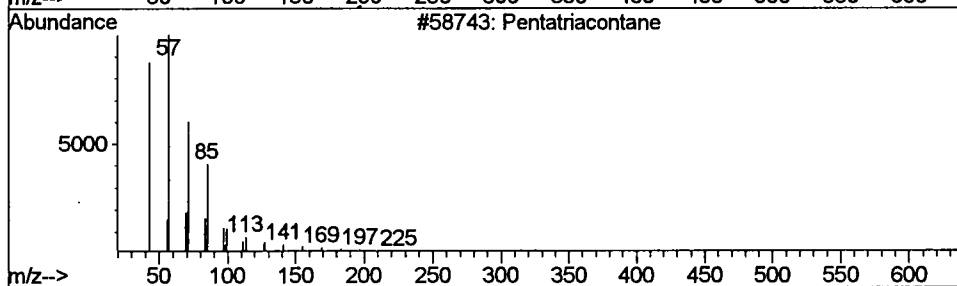
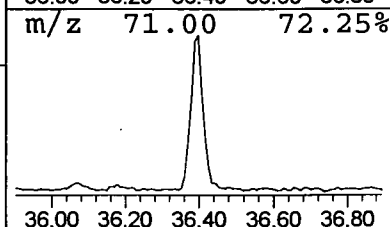
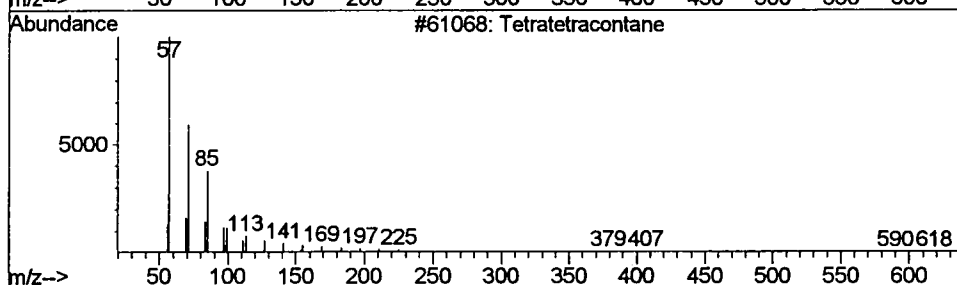
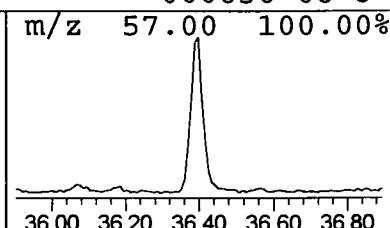
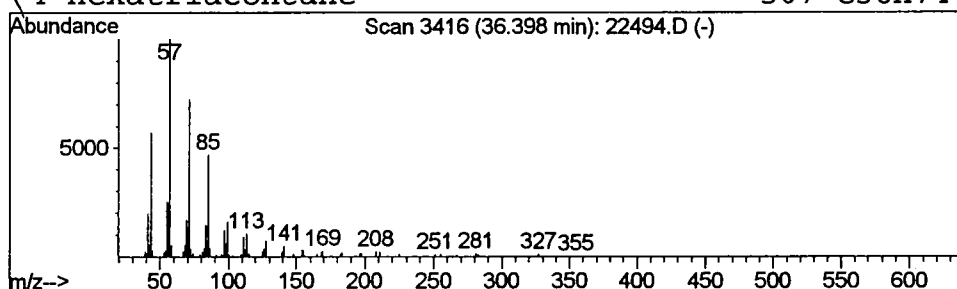
Vial: 5
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

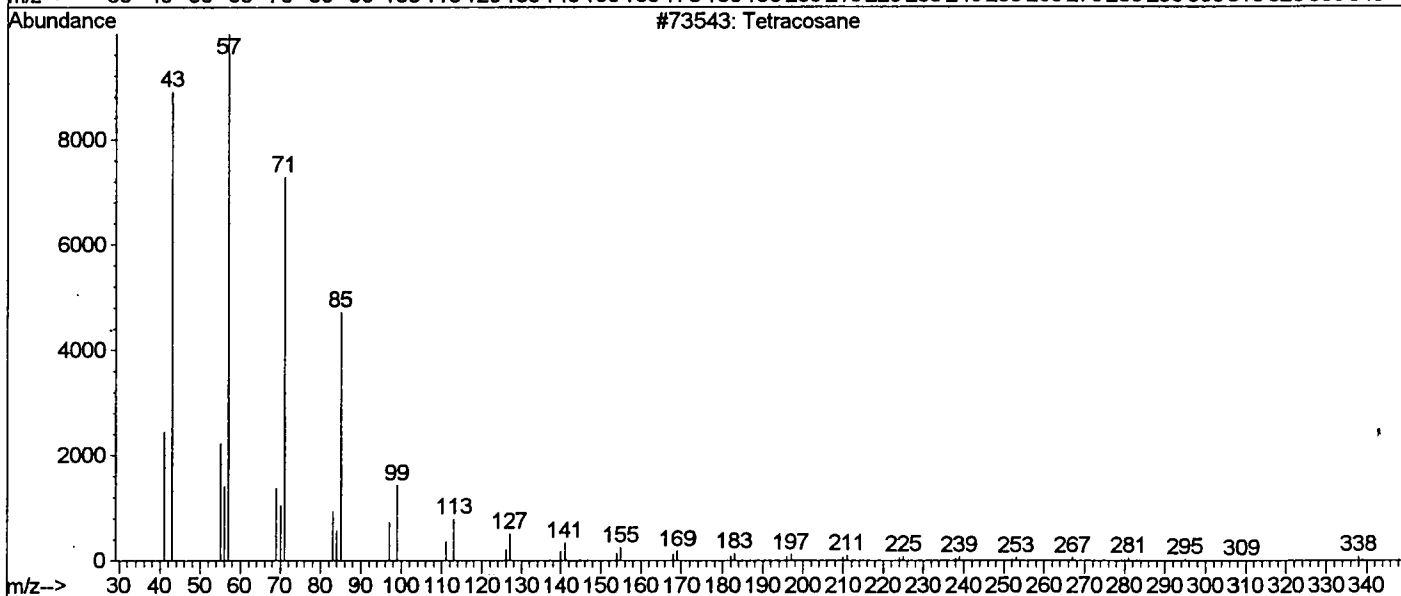
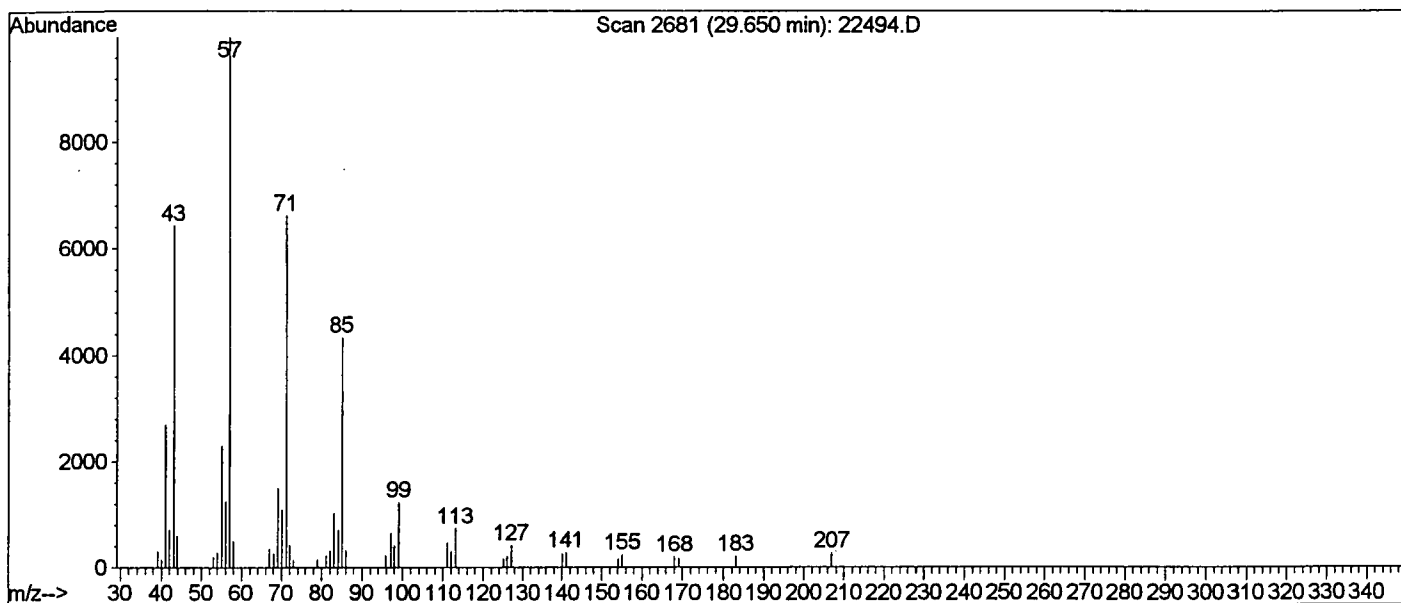
 Peak Number 8 Tetratetracontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.40	2.14 ug/l	201305	Perylene-d12	37.27

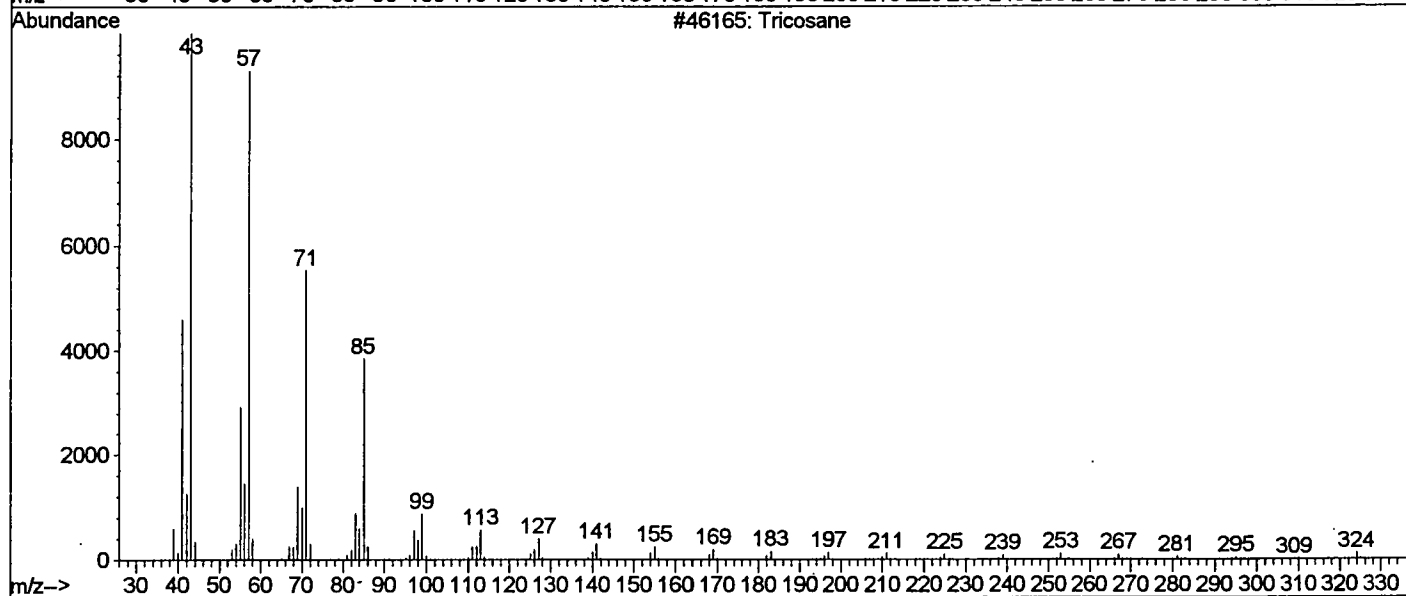
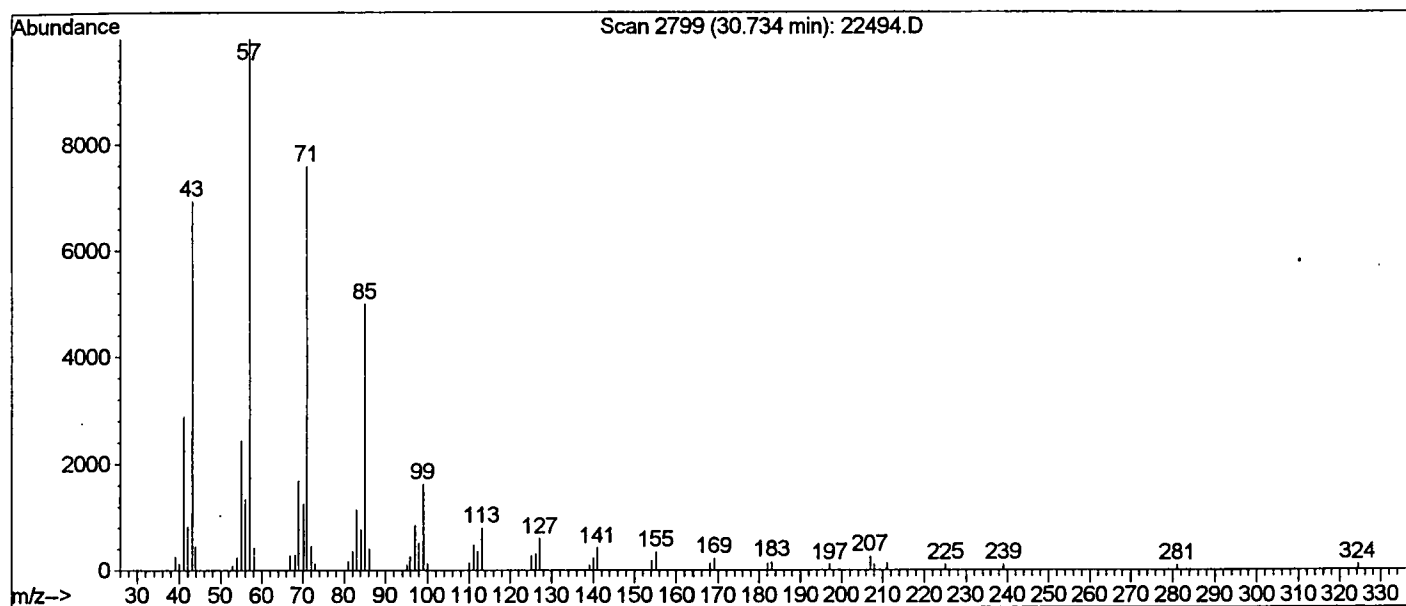
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratetracontane	619	C44H90	007098-22-8	91
2			Pentatriacontane	493	C35H72	000630-07-9	91
3			Heptacosane	380	C27H56	000593-49-7	91
4			Hexatriacontane	507	C36H74	000630-06-8	91



Library Searched : C:\DATABASE\nbs75k.l
 Quality : 91
 ID : Tetracosane



Library Searched : C:\DATABASE\nbs75k.1
 Quality : 92
 ID : Tricosane



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22494.D
 Acq On : 25 Sep 2001 6:21 pm
 Sample : GC/MS unknown
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Sep 26 15:23 2001

Vial: 5
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Last Update : Thu Sep 13 12:47:04 2001
 Response via : Initial Calibration
 DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	472560	20.00	ug/l	-0.12
19) Naphthalene-d8	15.40	136	1839071	20.00	ug/l	-0.12
31) Acenaphthene-d10	20.69	164	856882	20.00	ug/l	-0.12
49) Phenanthrene-d10	25.12	188	1186582	20.00	ug/l	-0.12
59) Chrysene-d12	33.15	240	729492	20.00	ug/l	-0.13
68) Perylene-d12	37.27	264	518556	20.00	ug/l	-0.15

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery	=	0.00%	
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount 75.000			Recovery	=	0.00%	
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ug/l	
Spiked Amount 75.000			Recovery	=	0.00%	
7) 1,2-Dichlorobenzene-d4	12.30	152	5064	0.22	ug/l	-0.13
Spiked Amount 50.000			Recovery	=	0.44%	
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
32) 2-Fluorobiphenyl	0.00	172	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery	=	0.00%	
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	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.	
17) N-Nitroso-di-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.	

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

22494.D NP091101.M Wed Sep 26 15:24:24 2001

Page 1

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22494.D

Vial: 5

Acq On : 25 Sep 2001 6:21 pm

Operator: 209 GALOS

Sample : GC/MS unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 26 15:23 2001

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Thu Sep 13 12:47:04 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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-Chlorophenyl-phenylether	0.00	204	0	N.D.		
47) Fluorene	0.00	166	0	N.D.		
48) Azobenzene/ 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	168	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	0.00	149	0	N.D.		
58) Fluoranthene	0.00	202	0	N.D.		
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
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	0.00	228	0	N.D.		
66) Bis(2-ethylhexyl)phthalate	33.41	149	11754	N.D.		
67) Chrysene	0.00	228	0	N.D.		
69) Di-n-Octylphthalate	0.00	149	0	N.D.		
70) Benzo(b)fluoranthene	0.00	252	0	N.D.		

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

22494.D NP091101.M Wed Sep 26 15:24:29 2001

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22494.D Vial: 5
 Acq On : 25 Sep 2001 6:21 pm Operator: 209 GALOS
 Sample : GC/MS unknown Inst : GC/MS 209
 Misc : Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Sep 26 15:23 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Last Update : Thu Sep 13 12:47:04 2001
 Response via : Initial Calibration
 DataAcq Meth : NP091101

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	0.00	252	0	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.	

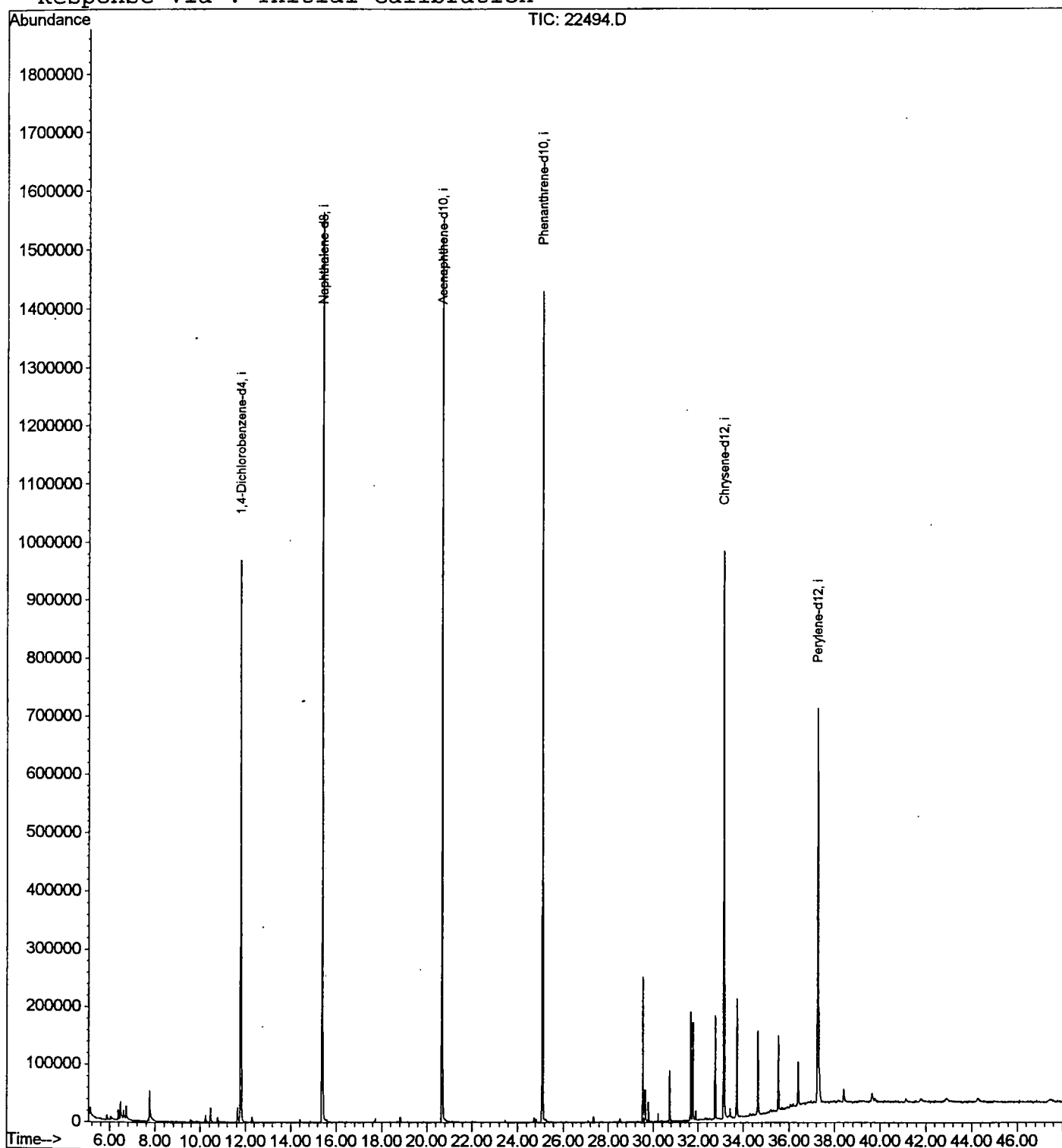
Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22494.D
Acq On : 25 Sep 2001 6:21 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 26 15:23 2001

Vial: 5
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22494.D
 Acq On : 25 Sep 2001 6:21 pm
 Sample : GC/MS unknown
 Misc :
 MS Integration Params: LSCINT.P

Vial: 5
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 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	5.139	8	11	21	rVB	15580	37839	1.11%	0.188%
2	6.378	142	146	152	rBV	17940	38365	1.12%	0.191%
3	6.488	152	158	162	rBV	31238	68012	1.99%	0.339%
4	6.736	181	185	195	rVB	23061	48240	1.41%	0.240%
5	7.765	293	297	307	rBV	52980	136998	4.00%	0.682%
6	10.454	584	590	596	rBV2	24403	41251	1.20%	0.205%
7	11.648	715	720	729	rVB	25831	65299	1.91%	0.325%
8	11.786	729	735	751	rBV	967327	2449865	71.54%	12.196%
9	15.403	1122	1129	1147	rBV	1562940	3344467	97.67%	16.649%
10	20.681	1698	1704	1724	rBV	1520758	3424324	100.00%	17.047%
11	25.115	2180	2187	2197	rBV	1427816	3042194	88.84%	15.145%
12	29.540	2663	2669	2675	rBV	249789	472577	13.80%	2.353%
13	29.650	2676	2681	2687	rVV	55071	108673	3.17%	0.541%
14	29.779	2690	2695	2702	rVB	33751	66508	1.94%	0.331%
15	30.734	2794	2799	2805	rVB	87902	172706	5.04%	0.860%
16	31.670	2895	2901	2907	rBV	187431	385013	11.24%	1.917%
17	31.771	2907	2912	2918	rVV	168553	340734	9.95%	1.696%
18	32.763	3015	3020	3028	rVB	177820	352148	10.28%	1.753%
19	33.148	3055	3062	3071	rBV2	976717	2274864	66.43%	11.325%
20	33.717	3116	3124	3130	rBV	204202	421131	12.30%	2.096%
21	34.644	3220	3225	3233	rVB	143929	318038	9.29%	1.583%
22	35.526	3316	3321	3328	rBV	129919	288767	8.43%	1.438%
23	36.398	3410	3416	3425	rBV	76356	201305	5.88%	1.002%
24	37.270	3503	3511	3516	rBV2	675898	1878708	54.86%	9.353%
25	38.408	3631	3635	3642	rVB4	21519	61929	1.81%	0.308%
26	39.657	3767	3771	3780	rBV6	13750	47593	1.39%	0.237%

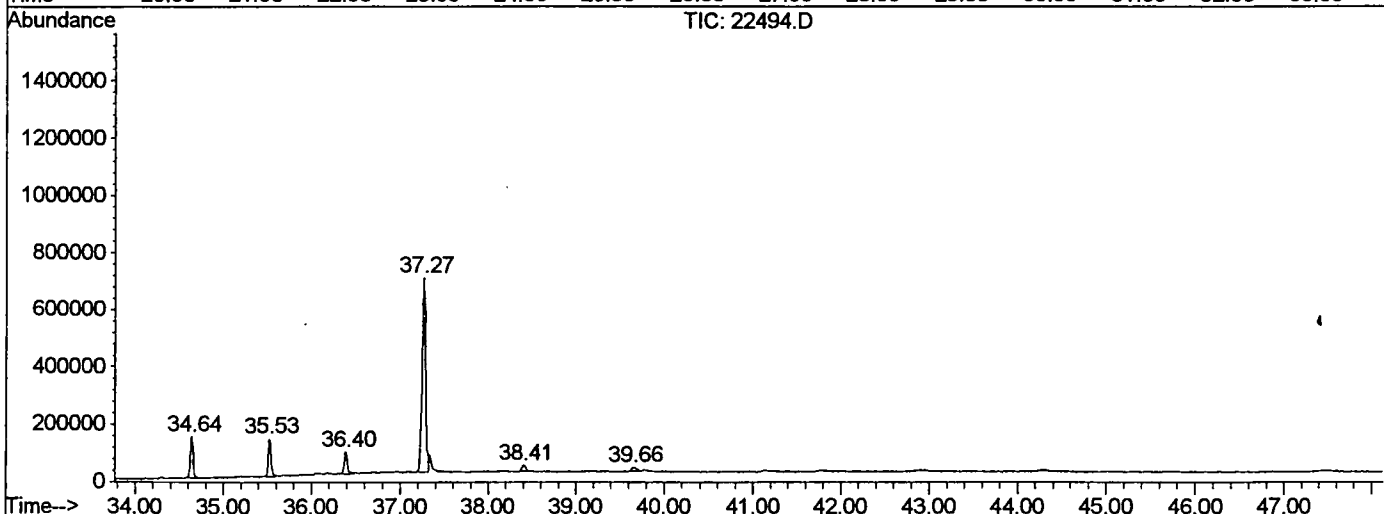
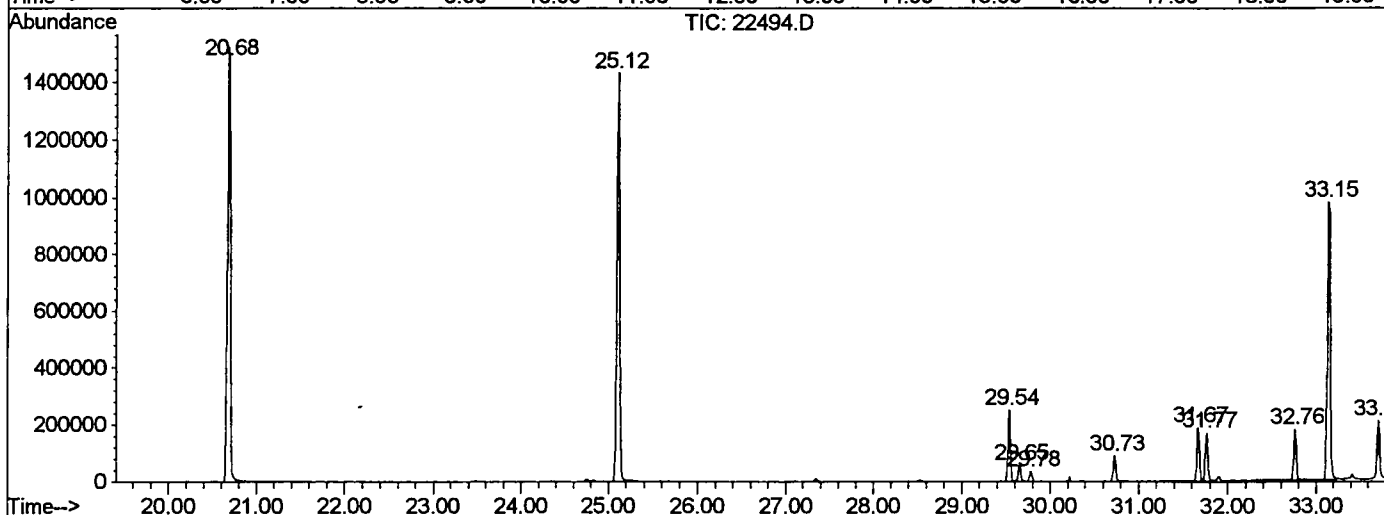
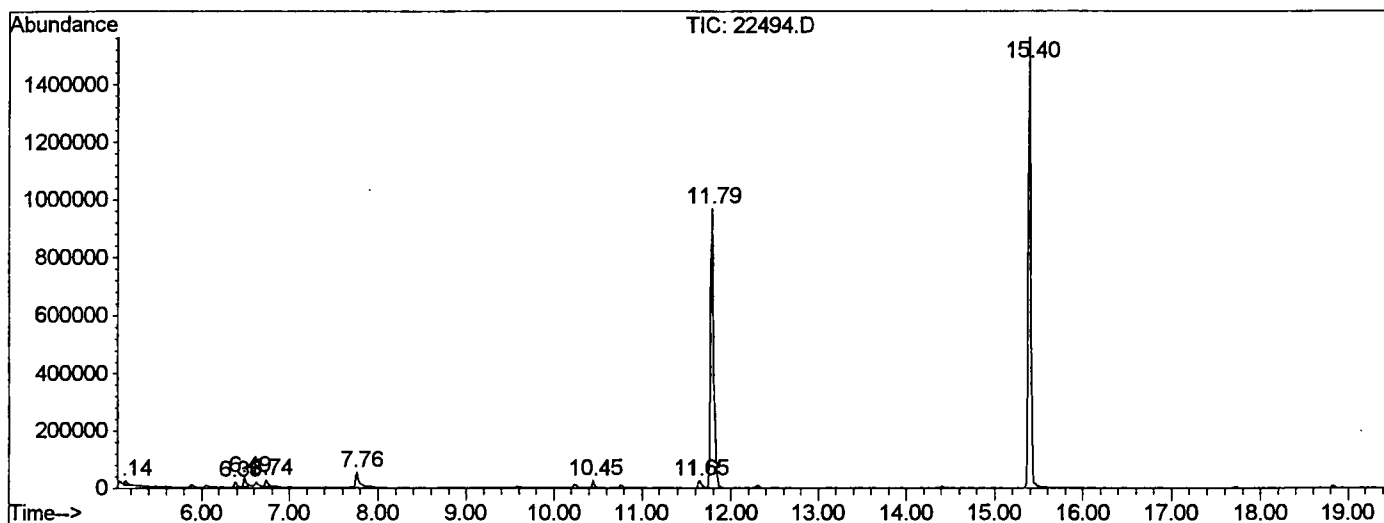
Sum of corrected areas: 20087548

22494.D NP091101.M

Wed Sep 26 15:26:35 2001

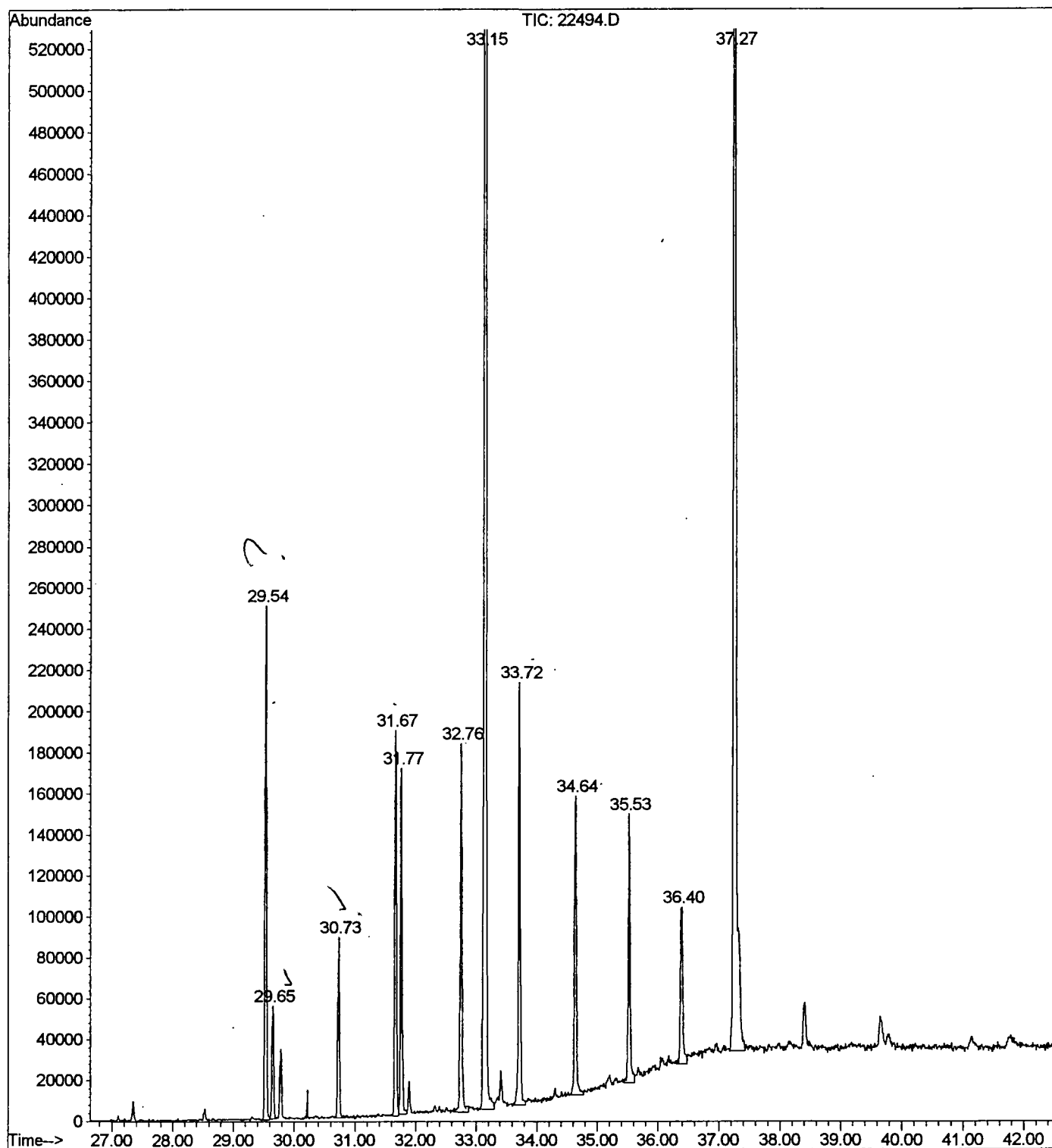
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2501\22494.D
 Operator : 209 GALOS
 Acquired : 25 Sep 2001 6:21 pm using AcqMethod NP091101
 Instrument : GC/MS 209
 Sample Name: GC/MS unknown
 Misc Info :
 Vial Number: 5
 Quant File :NP091101.RES (RTE Integrator)



22494.D NP091101.M Wed Sep 26 15:26:37 2001

File : C:\HPCHEM\1\DATA\SEP2501\22494.D
 Operator : 209 GALOS
 Acquired : 25 Sep 2001 6:21 pm using AcqMethod NP091101
 Instrument : GC/MS 209
 Sample Name: GC/MS unknown
 Misc Info :
 Vial Number: 5



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 25 Sep 2001 6:21 pm
Data File: C:\HPCHEM\1\DATA\SEP2501\22494.D
Name: GC/MS unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Oxirane, 2,3-bis(1-m	29.54	4.2	ug/l	472577	ISTD05	33.15	2274860	20.0
Butyl tetradecanoate	31.67	3.4	ug/l	385013	ISTD05	33.15	2274860	20.0
Tetracosane	31.77	3.0	ug/l	340734	ISTD05	33.15	2274860	20.0
Octadecane	32.76	3.1	ug/l	352148	ISTD05	33.15	2274860	20.0
Pentacosane	33.72	3.7	ug/l	421131	ISTD05	33.15	2274860	20.0
Octadecane	34.64	2.8	ug/l	318038	ISTD05	33.15	2274860	20.0
Tetracosane	35.53	3.1	ug/l	288767	ISTD06	37.27	1878710	20.0
Tetratetracontane	36.40	2.1	ug/l	201305	ISTD06	37.27	1878710	20.0

22494.D NP091101.M Wed Sep 26 15:26:57 2001