

Comments for Sample AD28663 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-07-2001 Time: 17:53:45

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. The chromatogram reveals contamination which has been identified to be from the TurboVap concentrator.

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: RTEINT.P

Quant Time: Dec 5 4:48 2001

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

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	830231	20.00	ug/l	0.02
15) Naphthalene-d8	15.31	136	3095844	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1493635	20.00	ug/l	0.00
42) Phenanthrene-d10	25.01	188	2092568	20.00	ug/l	0.02
53) Chrysene-d12	33.04	240	1273203	20.00	ug/l	0.00
59) Perylene-d12	37.13	264	830538	20.00	ug/l	0.00

System Monitoring Compounds

52) 2,4-DDD	30.08	235	128911	5.17	ug/mL	0.00
Spiked Amount	5.000		Recovery	=	103.40%	

Target Compounds

				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-nitroso-dimethyl amine	5.22	74	656	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	15.38	128	329	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

28663.D GCMS1126.M Thu Dec 06 13:03:05 2001

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Quantitation Report

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Title : 209 625/TCLP calibration table

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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	21.23	165	184	N.D.		
38) Diethylphthalate	22.10	149	413	N.D.		
39) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
40) Fluorene	0.00	166	0	N.D.		
41) Azobenzene/ 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	25.01	178	856	N.D.		
49) Anthracene	25.01	178	856	N.D.		
50) Di-n-butylphthalate	27.02	149	18792	N.D.		
51) Fluoranthene	0.00	202	0	N.D.		
54) Pyrene	0.00	202	0	N.D.		
55) Butylbenzylphthalate	31.57	149	755	N.D.		
56) Benzo(a)anthracene	33.04	228	3156	N.D.		
57) Bis(2-ethylhexyl)phthalate	33.31	149	7297	N.D.		
58) Chrysene	33.04	228	3156	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	3051	N.D.		
64) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
65) Dibenzo(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

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: RTEINT.P

Quant Time: Dec 5 4:48 2001

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

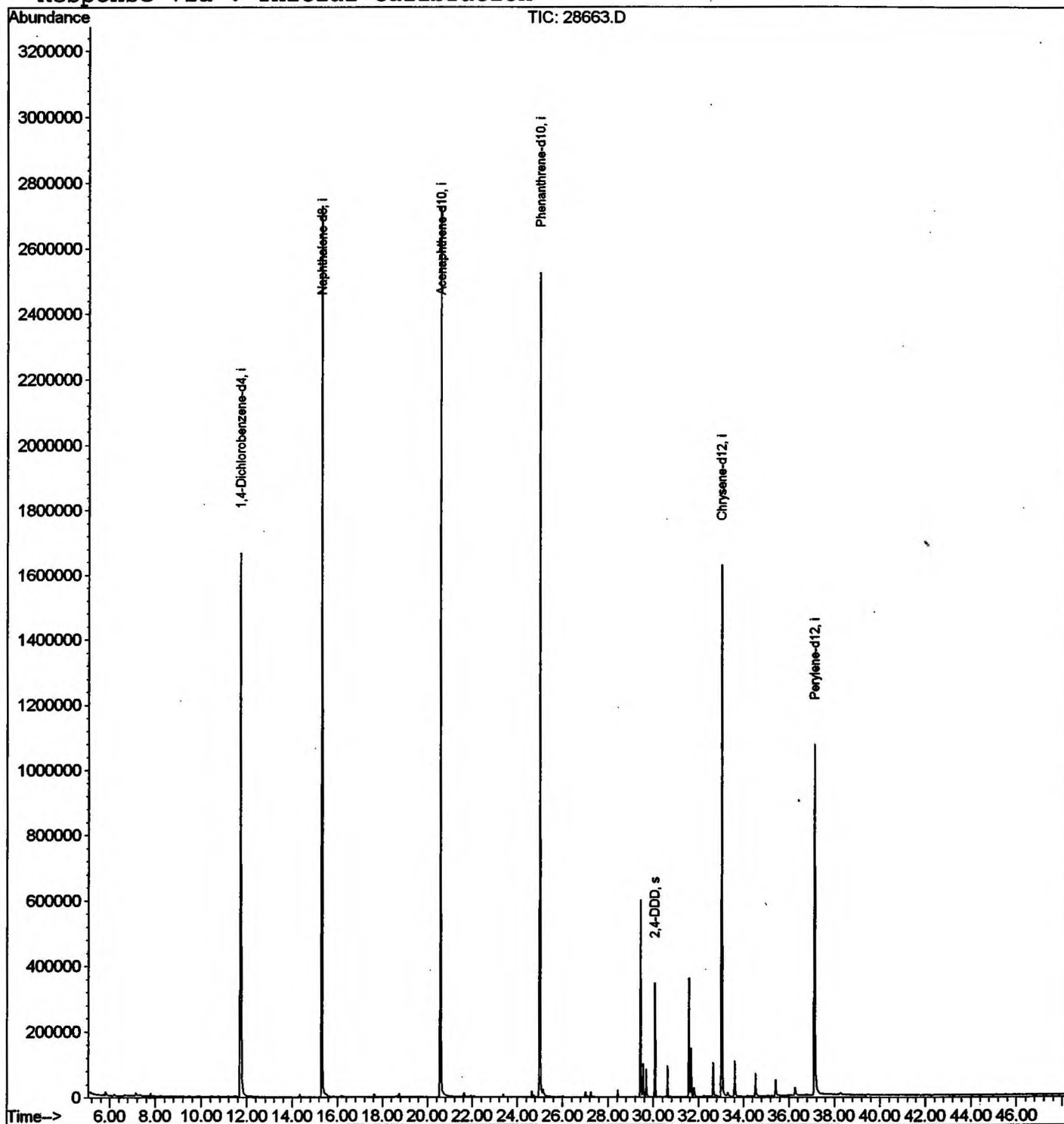
Quant Results File: GCMS1126.RES

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



28663.D GCMS1126.M

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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: LSCINT.P

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1 % of largest Peak

Max Peaks: 100

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	11.715	721	727	745	rBV	1666804	4478442	74.46%	13.392%
2	15.314	1113	1119	1138	rBV	2727075	5782522	96.15%	17.291%
3	20.583	1687	1693	1710	rBV	2721913	6014332	100.00%	17.985%
4	25.008	2168	2175	2187	rBV2	2524296	5522745	91.83%	16.515%
5	25.155	2187	2191	2199	rVB	20221	65216	1.08%	0.195%
6	29.442	2651	2658	2665	rBV	600614	1238831	20.60%	3.704%
7	29.552	2665	2670	2676	rVV	100672	206427	3.43%	0.617%
8	29.681	2679	2684	2694	rVV	84120	186953	3.11%	0.559%
9	30.076	2722	2727	2740	rBV	347047	701031	11.66%	2.096%
10	30.626	2781	2787	2799	rBV	94524	195521	3.25%	0.585%
11	31.572	2883	2890	2896	rBV	360405	735609	12.23%	2.200%
12	31.664	2896	2900	2910	rVV	146359	327375	5.44%	0.979%
13	31.801	2910	2915	2922	rVB2	26128	64697	1.08%	0.193%
14	32.655	3002	3008	3017	rBV	103082	231745	3.85%	0.693%
15	33.032	3042	3049	3064	rBV2	1627264	3971948	66.04%	11.877%
16	33.610	3104	3112	3123	rBV	107920	259425	4.31%	0.776%
17	34.537	3207	3213	3221	rBV	70110	167738	2.79%	0.502%
18	35.428	3304	3310	3316	rBV	49537	128905	2.14%	0.385%
19	36.281	3398	3403	3414	rBV2	23323	63591	1.06%	0.190%
20	37.126	3488	3495	3515	rBV2	1070047	3098597	51.52%	9.266%

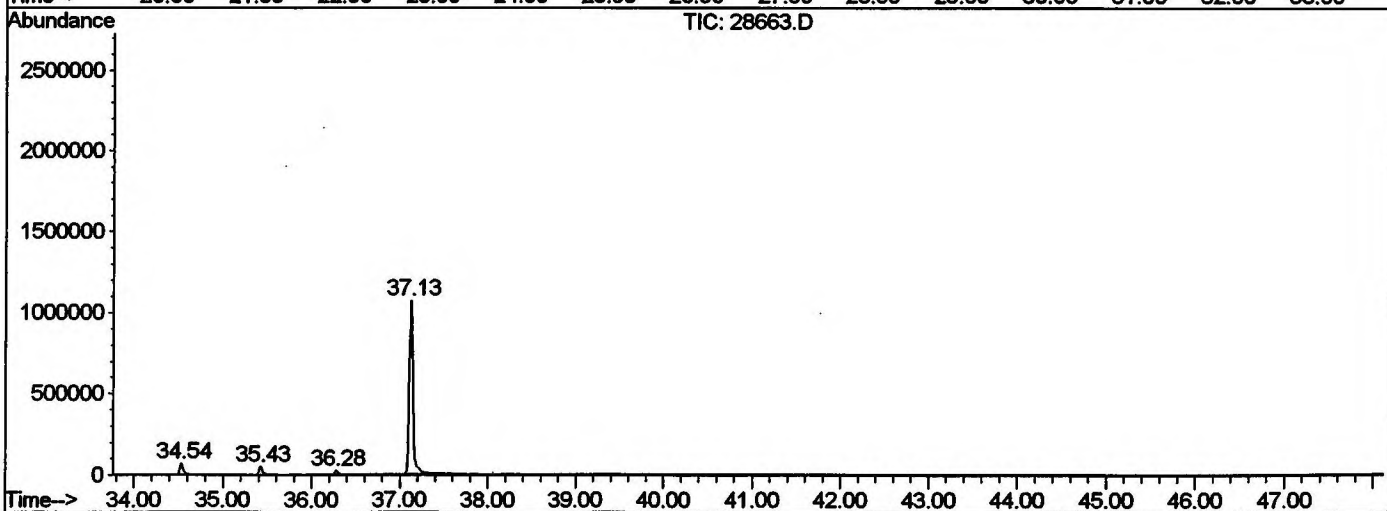
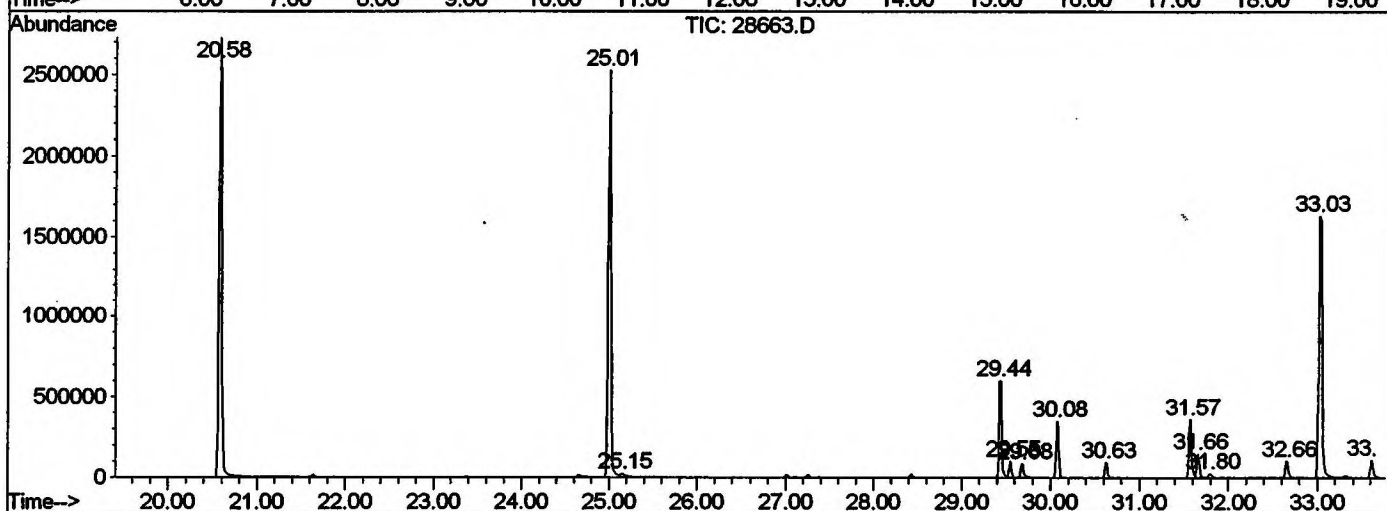
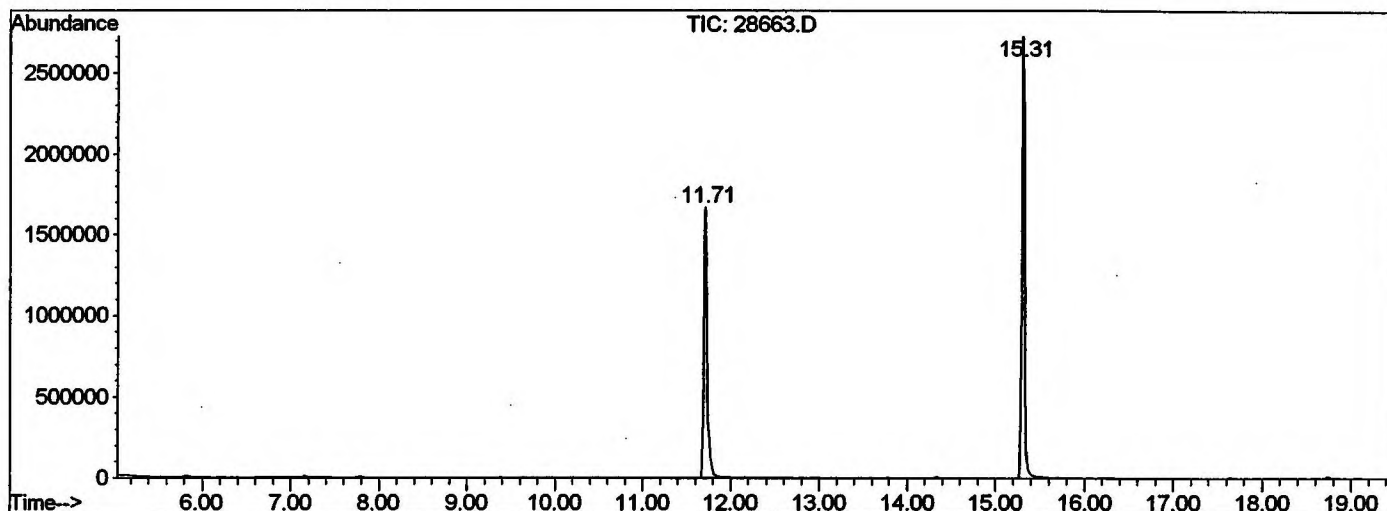
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28663.D GCMS1126.M

Thu Dec 06 15:31:16 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\28663.D
 Operator : 209 GALOS
 Acquired : 5 Dec 2001 3:59 am using AcqMethod GCMS1126
 Instrument : GC/MS 209
 Sample Name: gc/ms 11/24
 Misc Info :
 Vial Number: 17
 Quant File :GCMS1126.RES (RTE Integrator)



28663.D GCMS1126.M Thu Dec 06 15:31:19 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: LSCINT.P

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

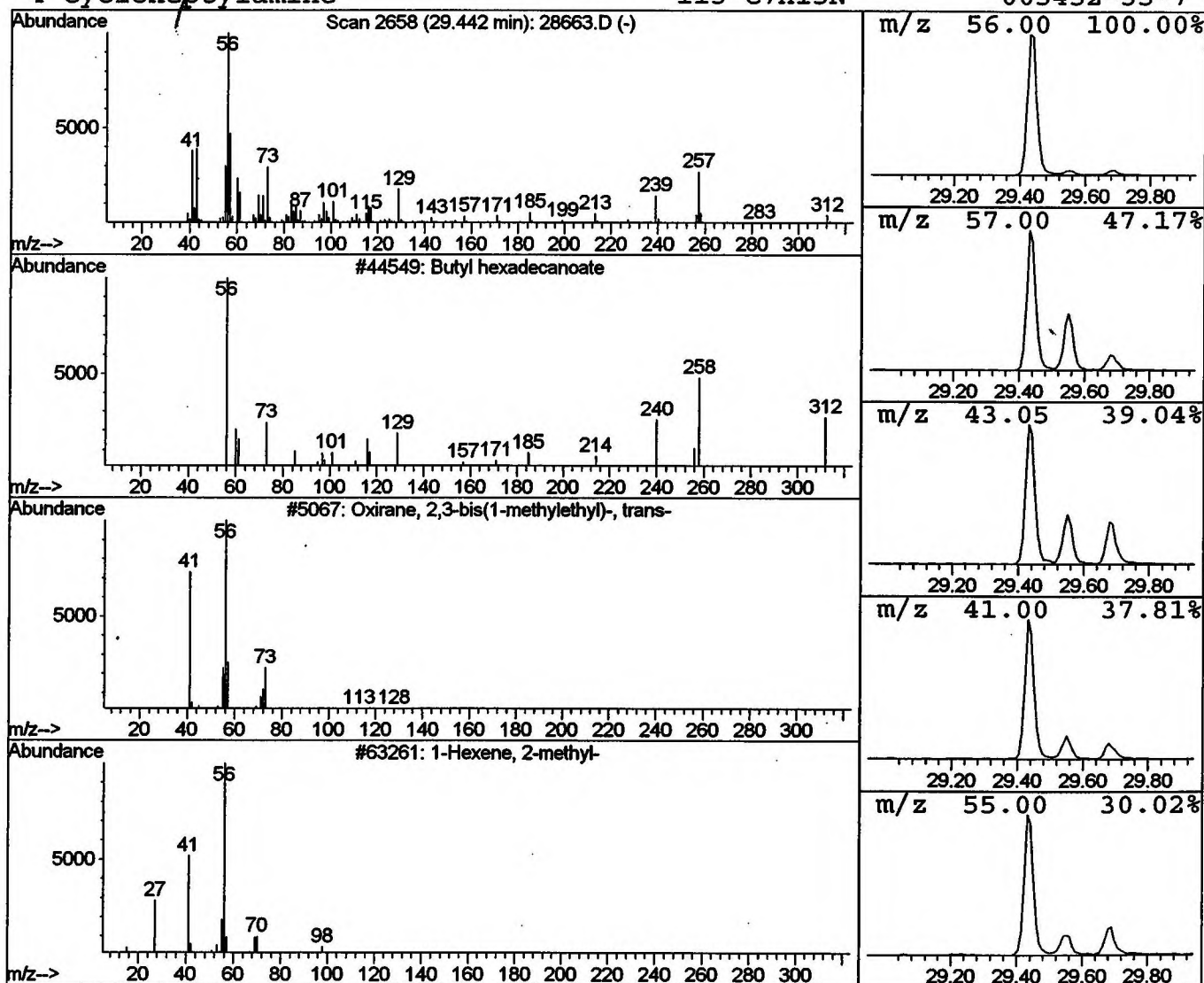
Title : 209 625/TCLP calibration table

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Butyl hexadecanoate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.44	6.24 ug/l	1238830	Chrysene-d12	33.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyl hexadecanoate	312	C20H40O2	000000-00-0	68
2			Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	32
3			1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
4			Cycloheptylamine	113	C7H15N	005452-35-7	27



Library Search Compound Report

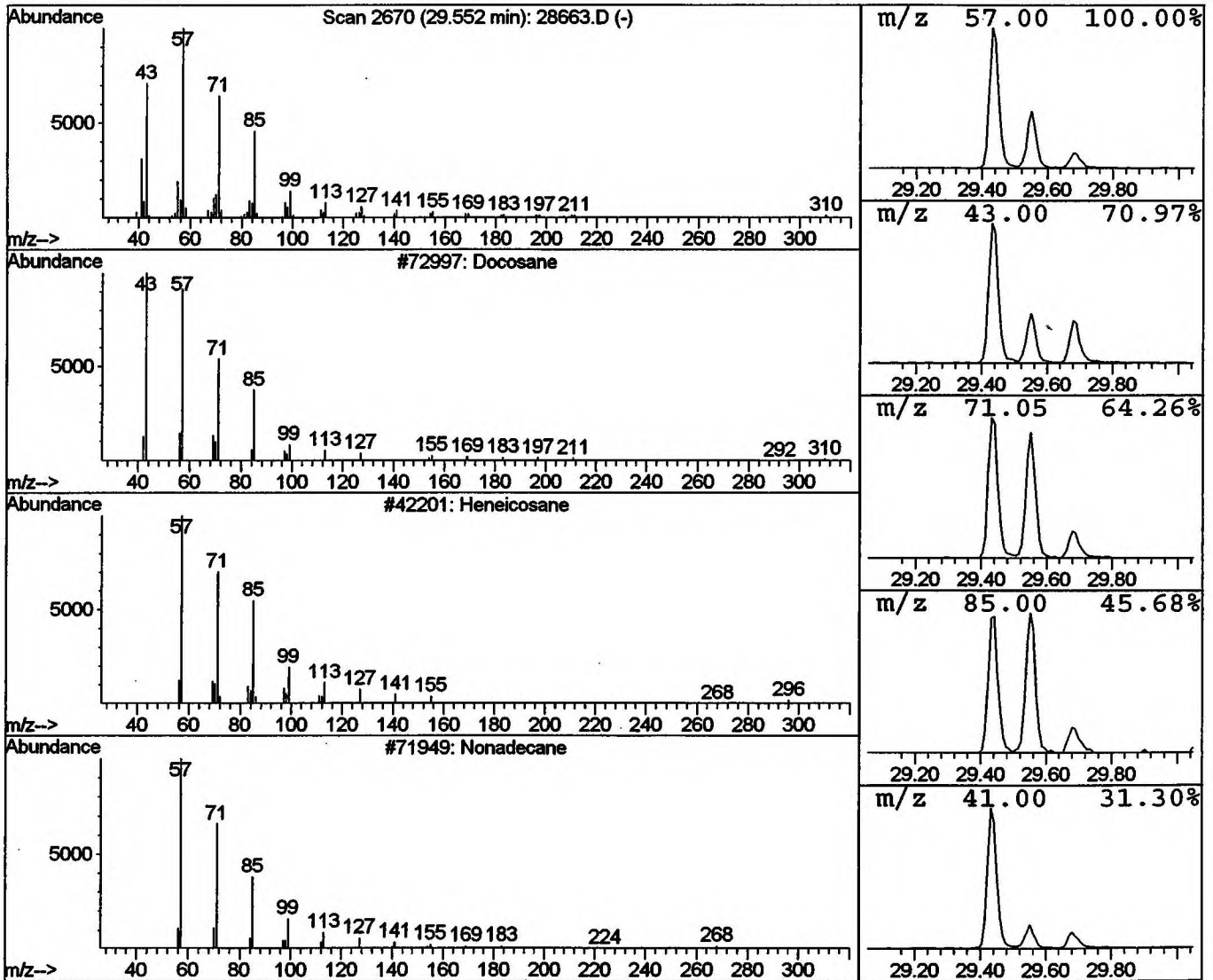
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 Acq On : 5 Dec 2001 3:59 am
 Sample : gc/ms 11/24
 Misc :
 MS Integration Params: LSCINT.P

Vial: 17
 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 Docosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
29.55	1.04 ug/l	206427	Chrysene-d12	33.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Docosane	310	C22H46	000629-97-0	93
2		Heneicosane	296	C21H44	000629-94-7	91
3		Nonadecane	268	C19H40	000629-92-5	91
4		Eicosane	282	C20H42	000112-95-8	91



Library Search Compound Report

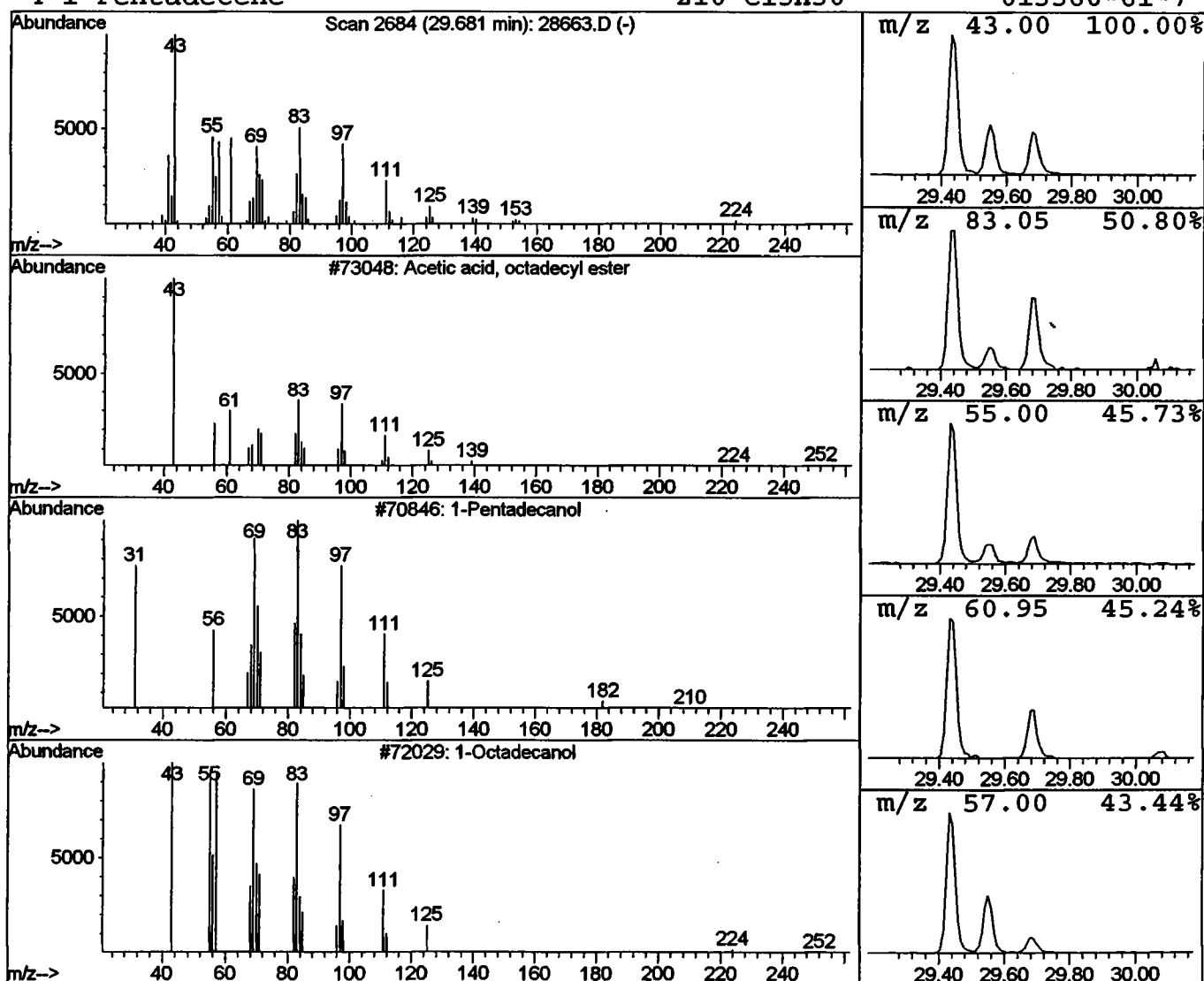
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 Acq On : 5 Dec 2001 3:59 am
 Sample : gc/ms 11/24
 Misc :
 MS Integration Params: LSCINT.P

Vial: 17
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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 Peak Number 3 Acetic acid, octadecyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
29.68	0.94 ug/l	186953	Chrysene-d12	33.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	90
2	1-Pentadecanol	228	C15H32O	000629-76-5	62
3	1-Octadecanol	270	C18H38O	000112-92-5	53
4	1-Pentadecene	210	C15H30	013360-61-7	49



Library Search Compound Report

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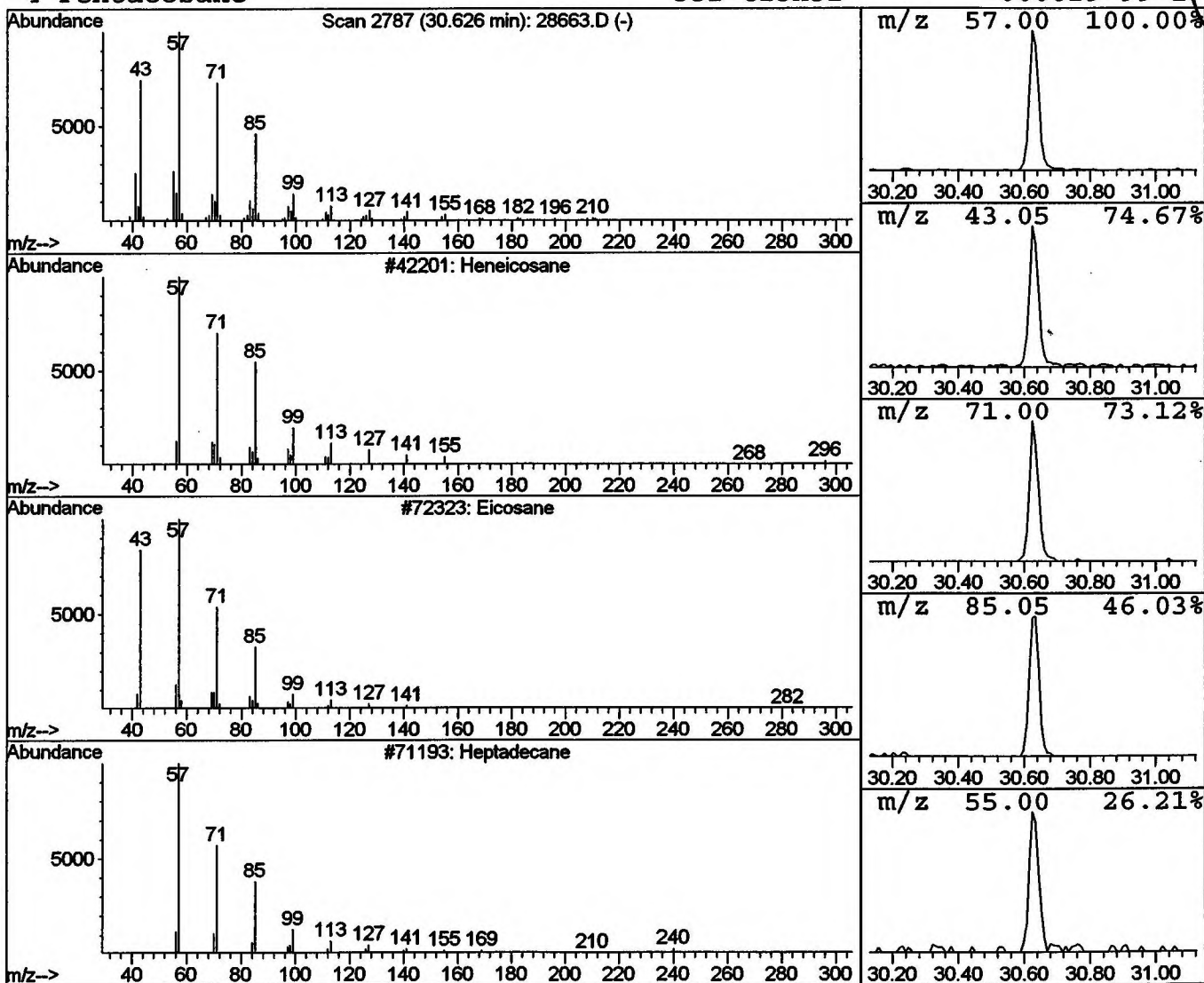
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 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

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

 Peak Number 4 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.63	0.98 ug/l	195521	Chrysene-d12	33.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	91
2			Eicosane	282	C20H42	000112-95-8	91
3			Heptadecane	240	C17H36	000629-78-7	91
4			Pentacosane	352	C25H52	000629-99-2	91



Library Search Compound Report

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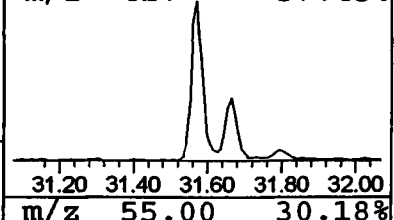
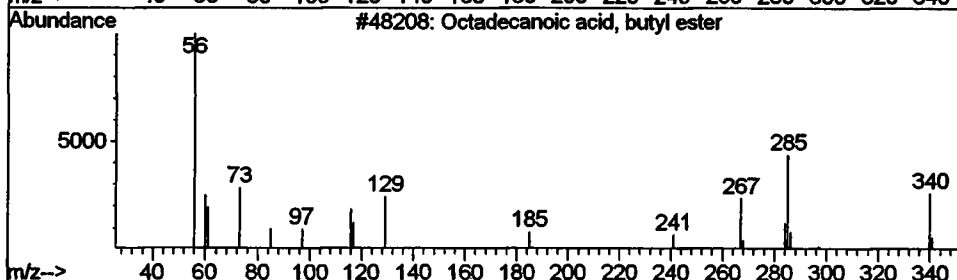
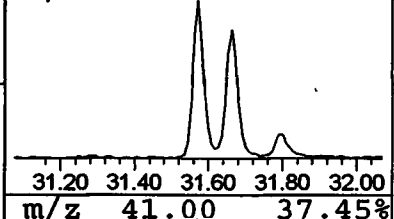
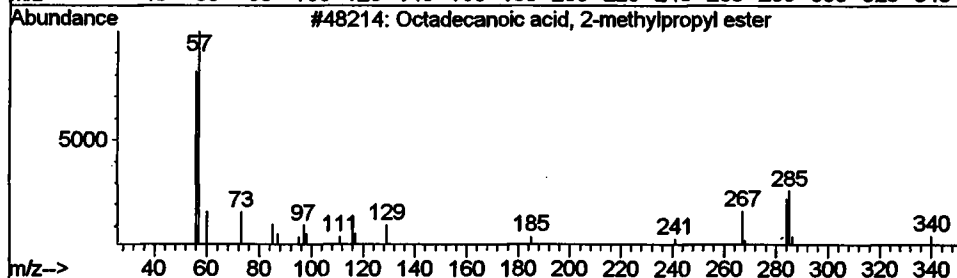
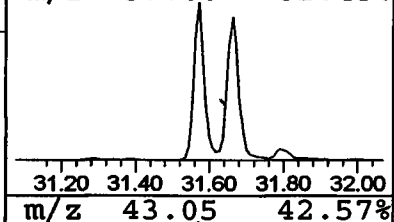
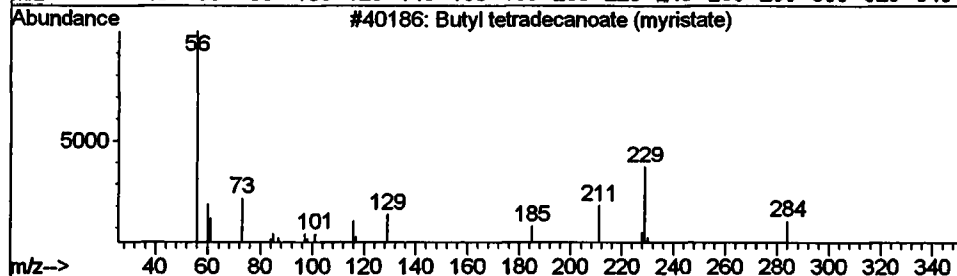
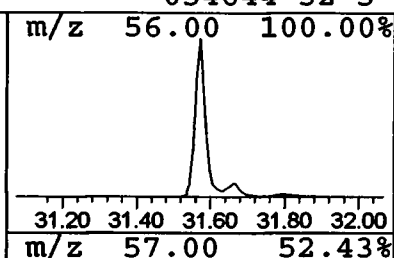
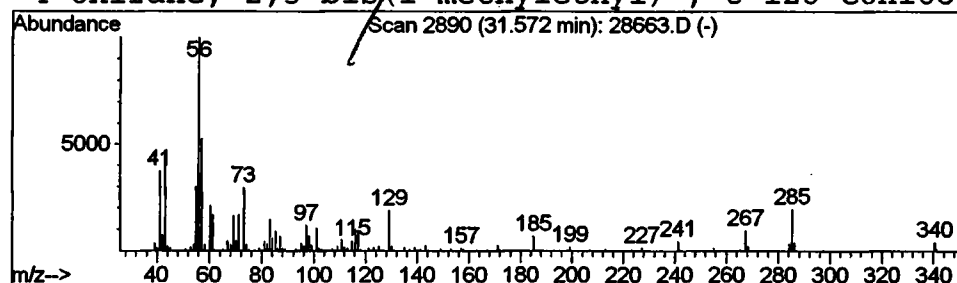
Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

Peak Number 5 Butyl tetradecanoate (myristat Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.57	3.70 ug/l	735609	Chrysene-d12	33.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	58
2		Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	50
3		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	40
4		Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	32



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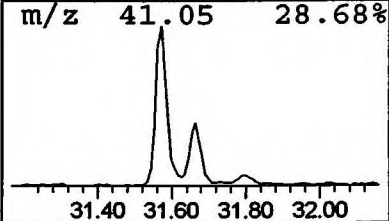
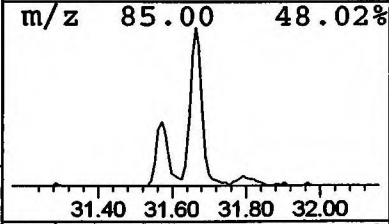
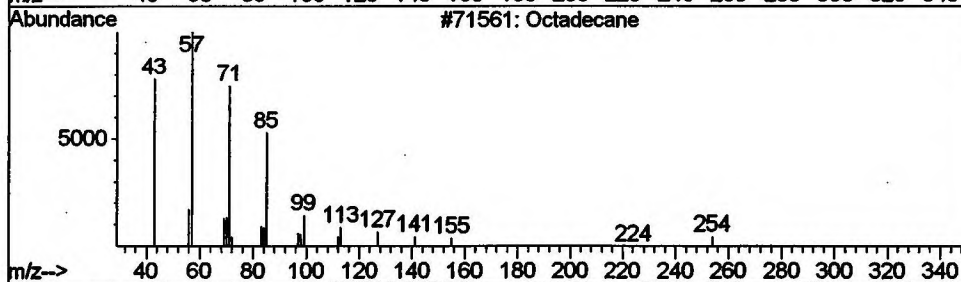
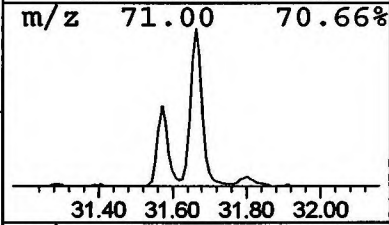
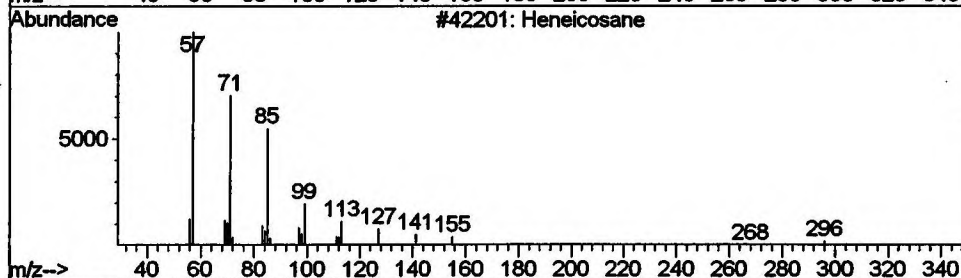
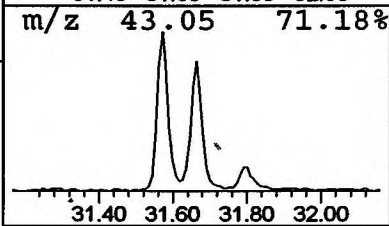
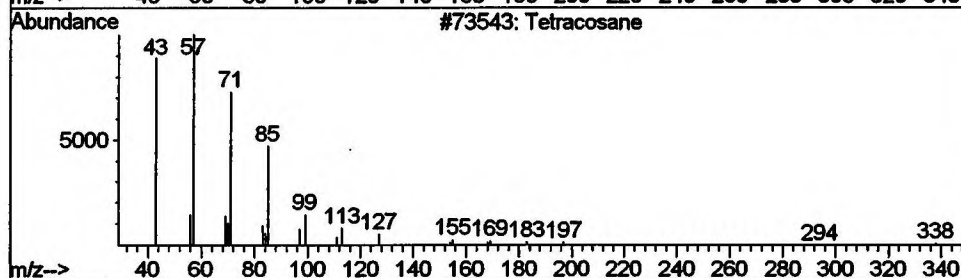
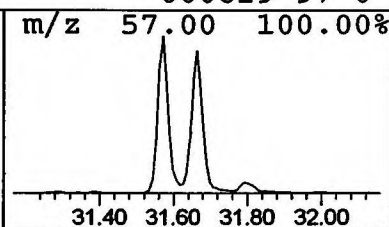
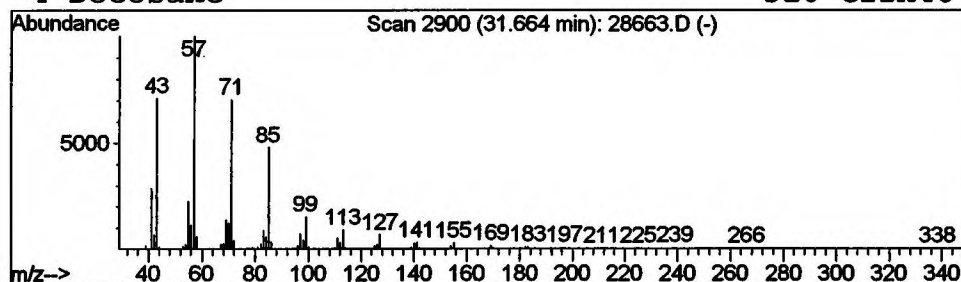
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 Inst : GC/MS 209
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Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 6 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.66	1.65 ug/l	327375	Chrysene-d12	33.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	96
2			Heneicosane	296	C21H44	000629-94-7	91
3			Octadecane	254	C18H38	000593-45-3	91
4			Docosane	310	C22H46	000629-97-0	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: LSCINT.P

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

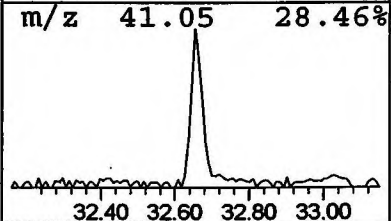
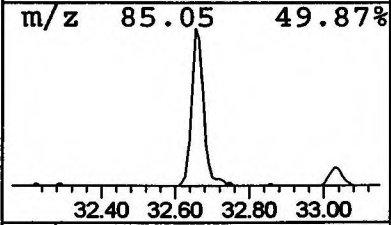
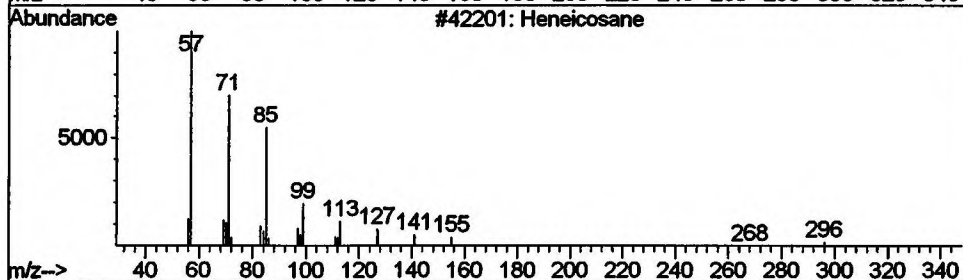
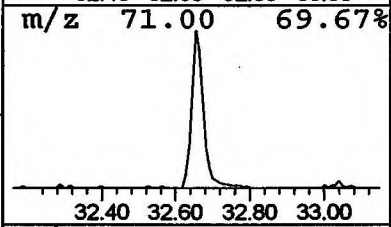
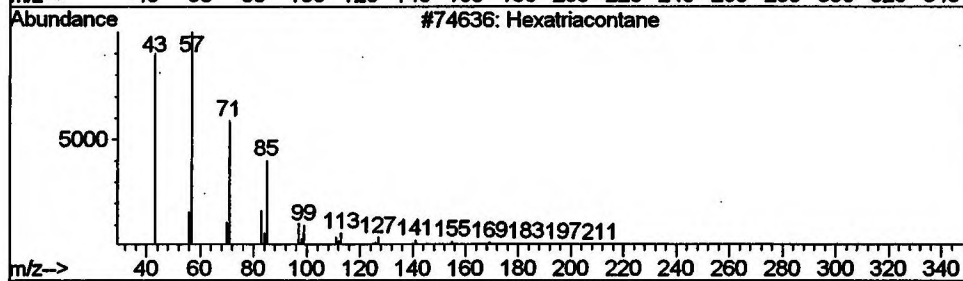
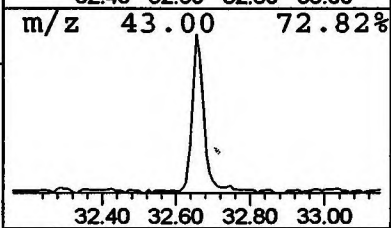
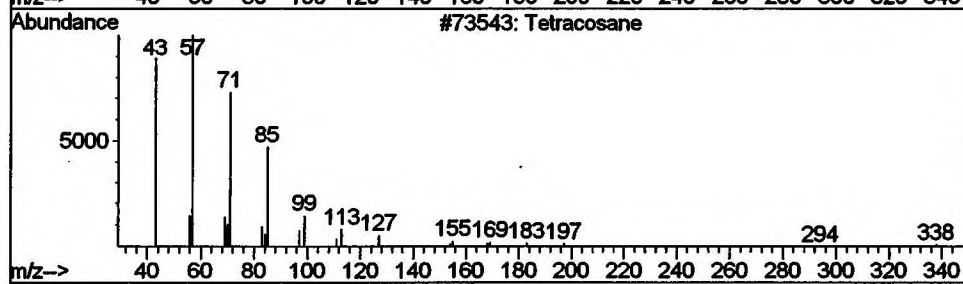
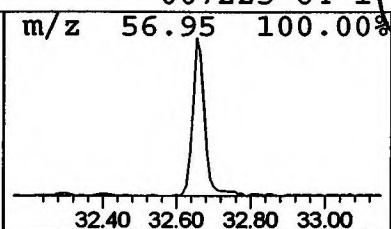
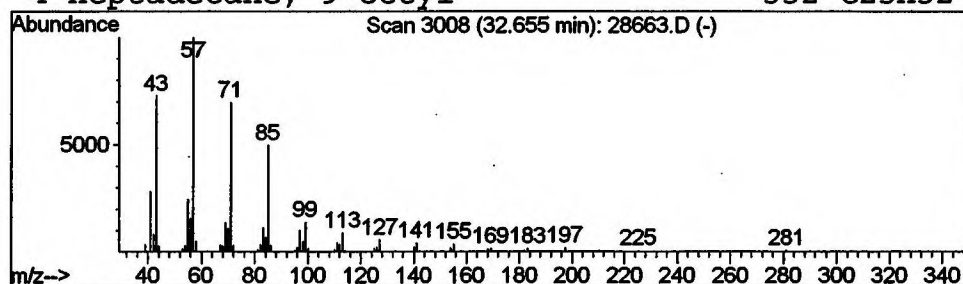
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Library : C:\DATABASE\NBS75K.L

Peak Number 7 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
32.66	1.17 ug/l	231745	Chrysene-d12	33.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Hexatriacontane	507	C36H74	000630-06-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D
 Acq On : 5 Dec 2001 3:59 am
 Sample : gc/ms 11/24
 Misc :
 MS Integration Params: LSCINT.P

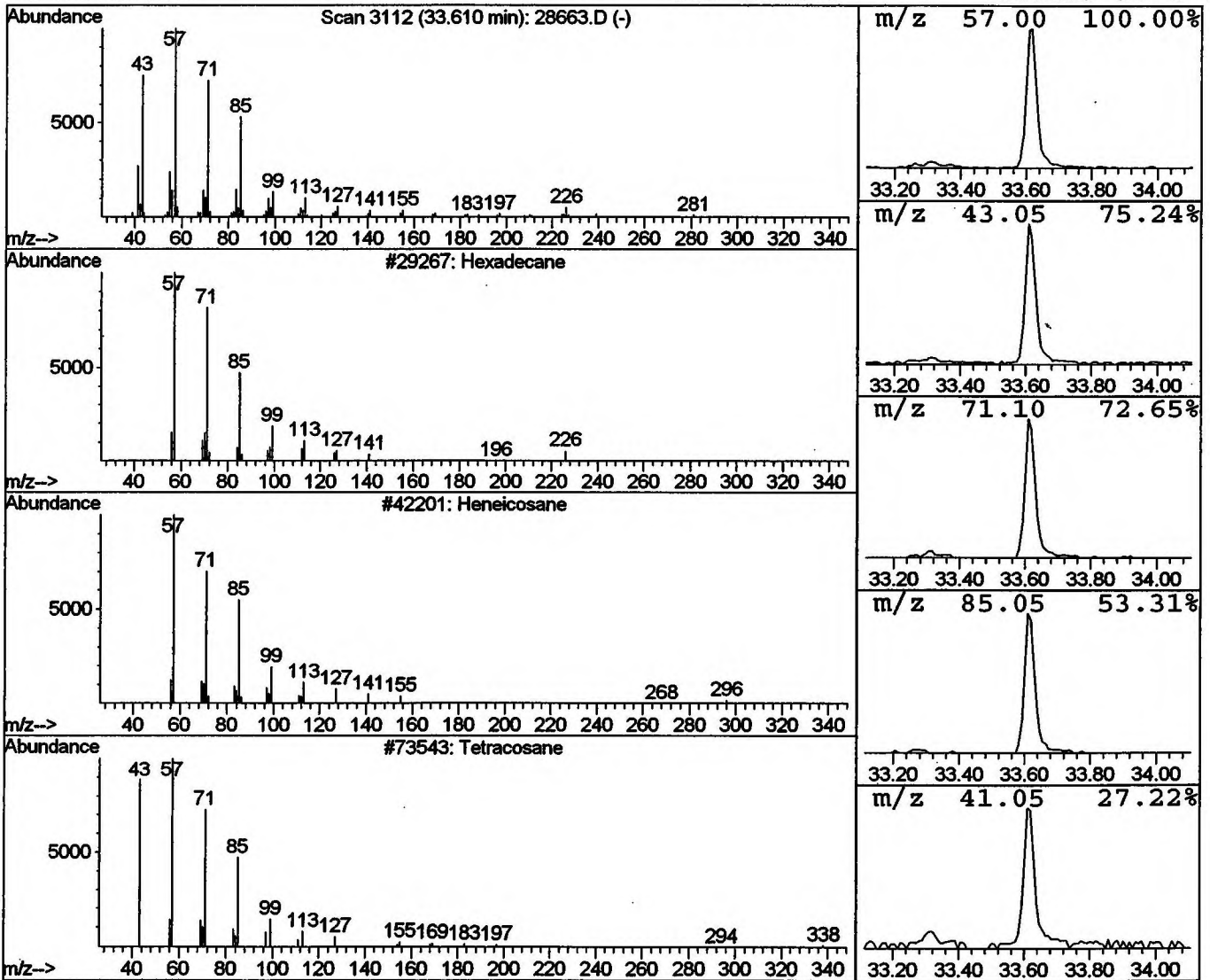
Vial: 17
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

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

 Peak Number 8 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.61	1.31 ug/l	259425	Chrysene-d12	33.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	92
2			Heneicosane	296	C21H44	000629-94-7	90
3			Tetracosane	338	C24H50	000646-31-1	90
4			Docosane	310	C22H46	000629-97-0	87



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D
 Acq On : 5 Dec 2001 3:59 am
 Sample : gc/ms 11/24
 Misc :
 MS Integration Params: LSCINT.P

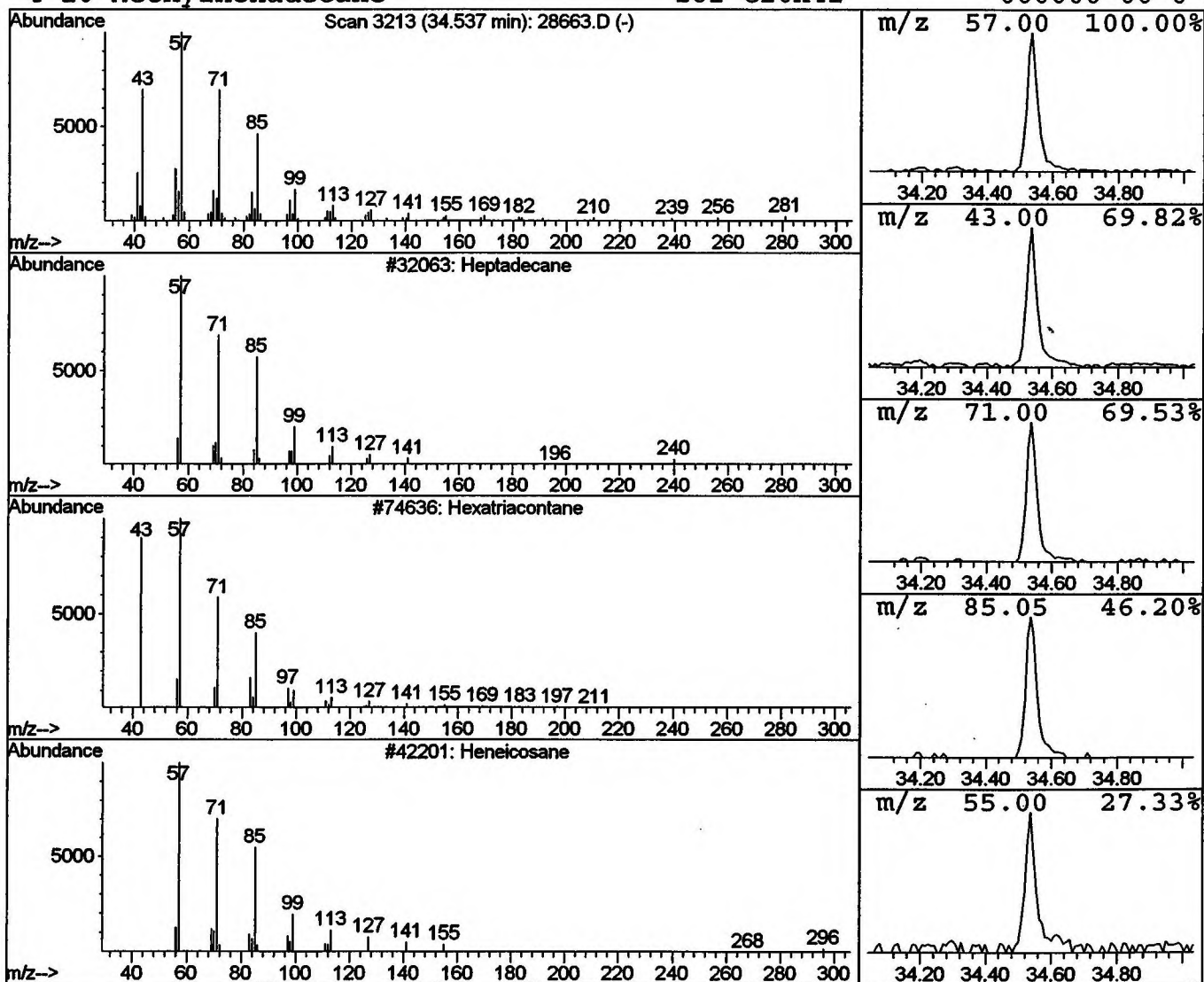
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 Inst : GC/MS 209
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Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 9 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.54	0.84 ug/l	167738	Chrysene-d12	33.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	91
2			Hexatriacontane	507	C36H74	000630-06-8	91
3			Heneicosane	296	C21H44	000629-94-7	90
4			10-Methylnonadecane	282	C20H42	000000-00-0	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D

Acq On : 5 Dec 2001 3:59 am

Sample : gc/ms 11/24

Misc :

MS Integration Params: LSCINT.P

Vial: 17

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

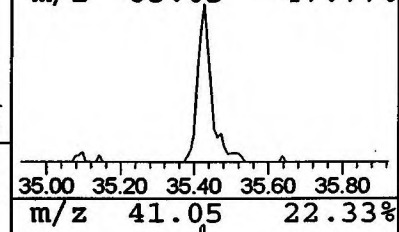
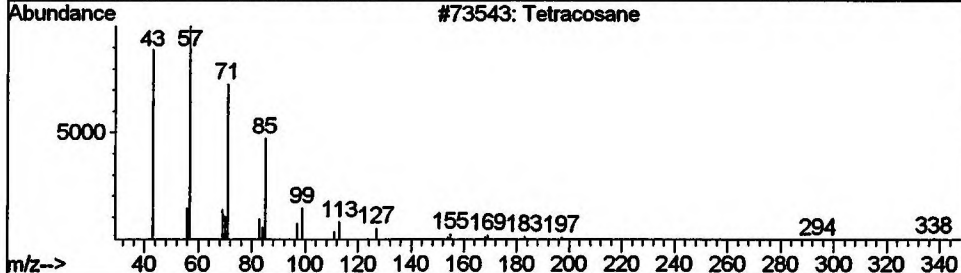
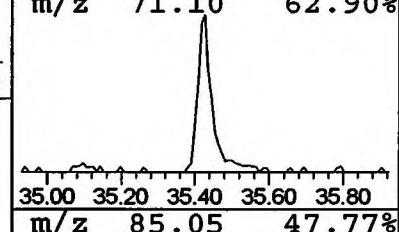
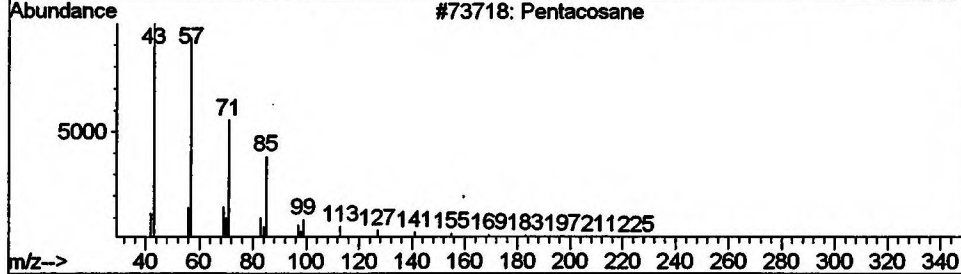
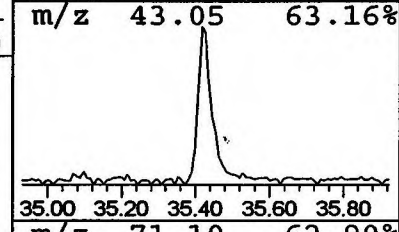
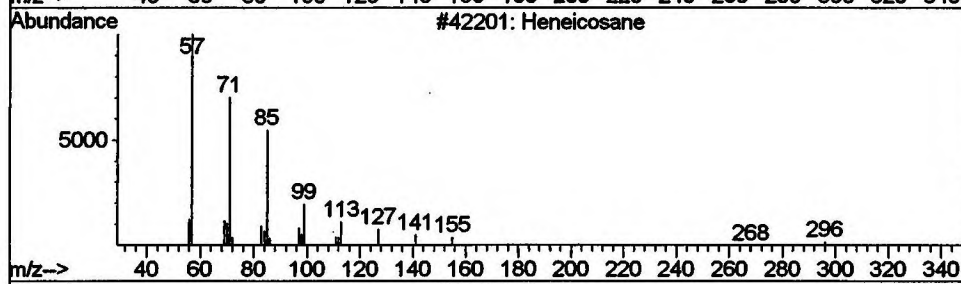
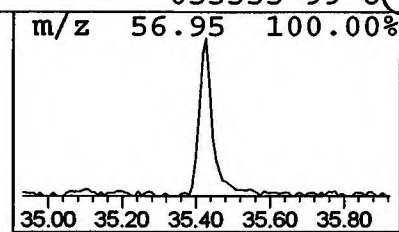
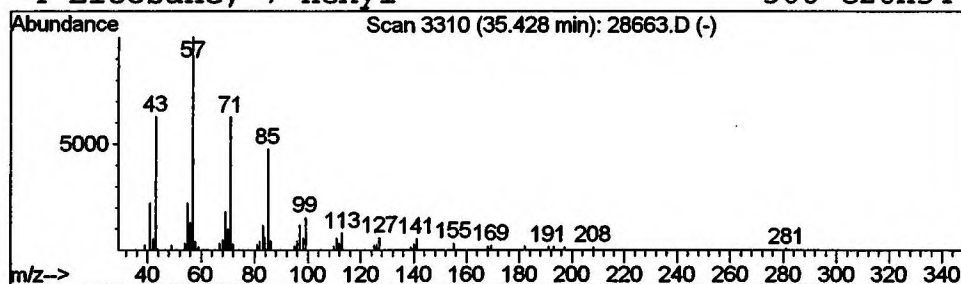
Title : 209 625/TCLP calibration table

Library : C:\DATABASE\NBS75K.L

Peak Number 10 Heneicosane

Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
35.43	0.83 ug/l	128905	Perylene-d12	37.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28663.D
 Acq On : 5 Dec 2001 3:59 am
 Sample : gc/ms 11/24
 Misc :
 MS Integration Params: LSCINT.P

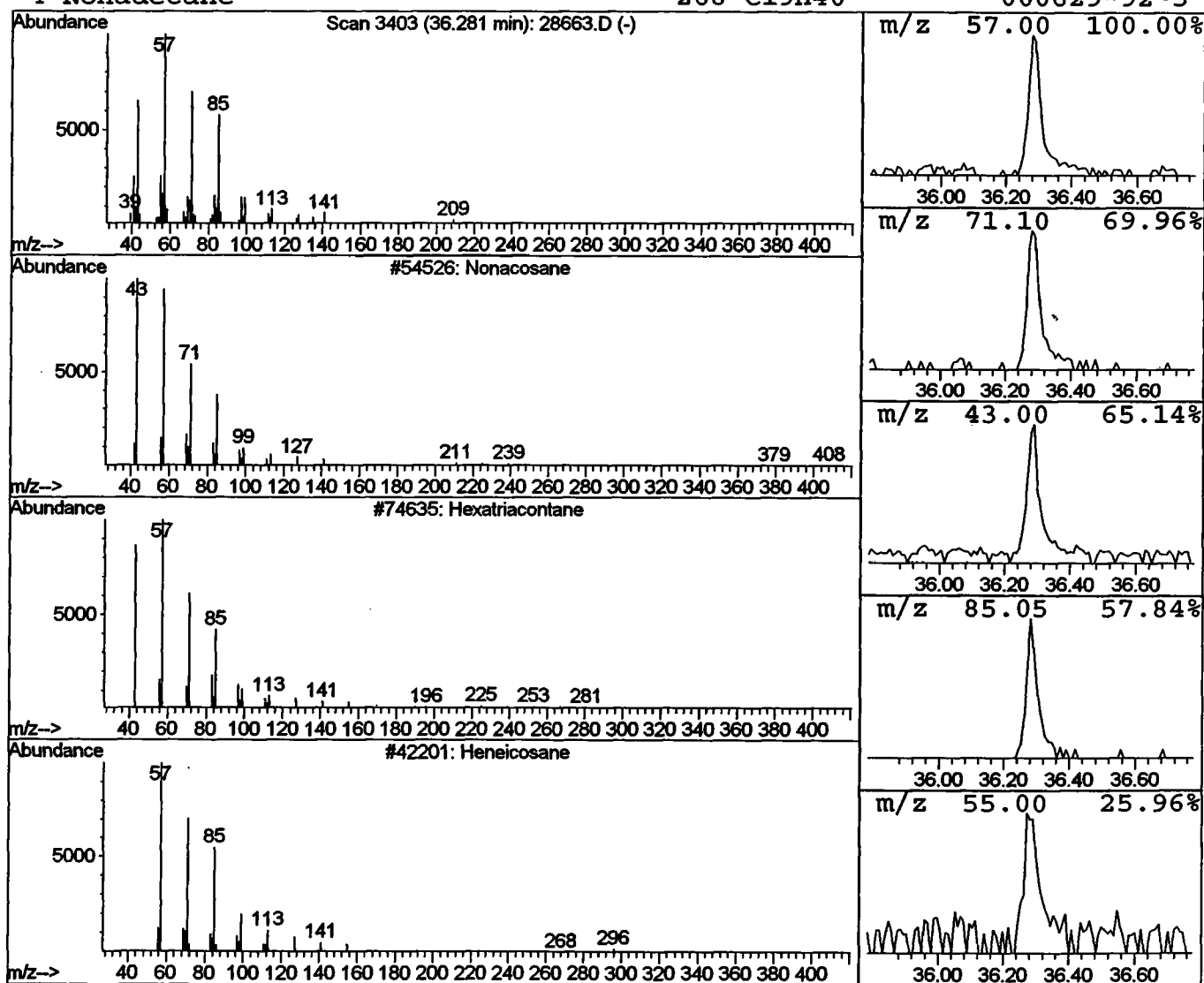
Vial: 17
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

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

 Peak Number 11 Nonacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.28	0.41 ug/l	63591	Perylene-d12	37.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonacosane	408	C29H60	000630-03-5	87
2			Hexatriacontane	507	C36H74	000630-06-8	86
3			Heneicosane	296	C21H44	000629-94-7	83
4			Nonadecane	268	C19H40	000629-92-5	83



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 3:59 am
Data File: C:\HPCHEM\1\DATA\DEC0401\28663.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	6.2 ug/l	1238830	ISTD05	33.04	3971950	20.0
Docosane	29.55	1.0 ug/l	206427	ISTD05	33.04	3971950	20.0
Acetic acid, octadec	29.68	0.9 ug/l	186953	ISTD05	33.04	3971950	20.0
Heneicosane	30.63	1.0 ug/l	195521	ISTD05	33.04	3971950	20.0
Butyl tetradecanoate	31.57	3.7 ug/l	735609	ISTD05	33.04	3971950	20.0
Tetracosane	31.66	1.6 ug/l	327375	ISTD05	33.04	3971950	20.0
Tetracosane	32.66	1.2 ug/l	231745	ISTD05	33.04	3971950	20.0
Hexadecane	33.61	1.3 ug/l	259425	ISTD05	33.04	3971950	20.0
Heptadecane	34.54	0.8 ug/l	167738	ISTD05	33.04	3971950	20.0
Heneicosane	35.43	0.8 ug/l	128905	ISTD06	37.13	3098600	20.0
Nonacosane	36.28	0.4 ug/l	63591	ISTD06	37.13	3098600	20.0

28663.D GCMS1126.M

Thu Dec 06 15:31:45 2001

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