Comments for Sample AD28662 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 16:49:28

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 89%. Recoveries for 9 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. The chromatogram reveals contamination which has identified to be from the TurboVap concentrator.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0401\28662.D Vial: 15
Acq On : 5 Dec 2001 2:02 am Operator: 209 GALOS
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:43 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	857901	20.00	ug/l	0.01
15) Naphthalene-d8	15.32	136	3201522m	20.00	ug/l	0.01
26) Acenaphthene-d10	20.59	164	1545923	20.00	ug/l	0.01
42) Phenanthrene-d10	25.00	188	2173952	20.00	ug/l	0.01
53) Chrysene-d12	33.03	240	1364383	20.00	ug/l	0.00
59) Perylene-d12	37.13	264	900533	20.00	ug/l	0.01
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	115743	4.47	ug/mL	0.00
Spiked Amount 5.000			Recovery = 89.40%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.25	74	210	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	0.00	128	0	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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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
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	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	20.95	165	192	N.D.	
38)	Diethylphthalate	22.11	149	246	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	25.01	178	735	N.D.	
49)	Anthracene	25.22	178	196	N.D.	
50)	Di-n-butylphthalate	27.01	149	19839	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.58	149	726	N.D.	
56)	Benzo(a)anthracene	33.11	228	6599	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.31	149	7212	N.D.	
58)	Chrysene	33.11	228	6599	N.D.	
60)	Di-n-Octylphthalate	0.00	149	0	N.D.	
61)	Benzo(b)fluoranthene	36.15	252	6131	N.D.	
62)	Benzo(k)fluoranthene	36.15	252	6131	N.D.	
63)	Benzo(a)pyrene	36.96	252	548	N.D.	
64)	Indeno(1,2,3-cd)pyrene	40.90	276	429	N.D.	
65)	Dibenz(a,h)anthracene	40.96	278	642	N.D.	
66)	Benzo(g,h,i)perylene	41.97	276	1933	N.D.	

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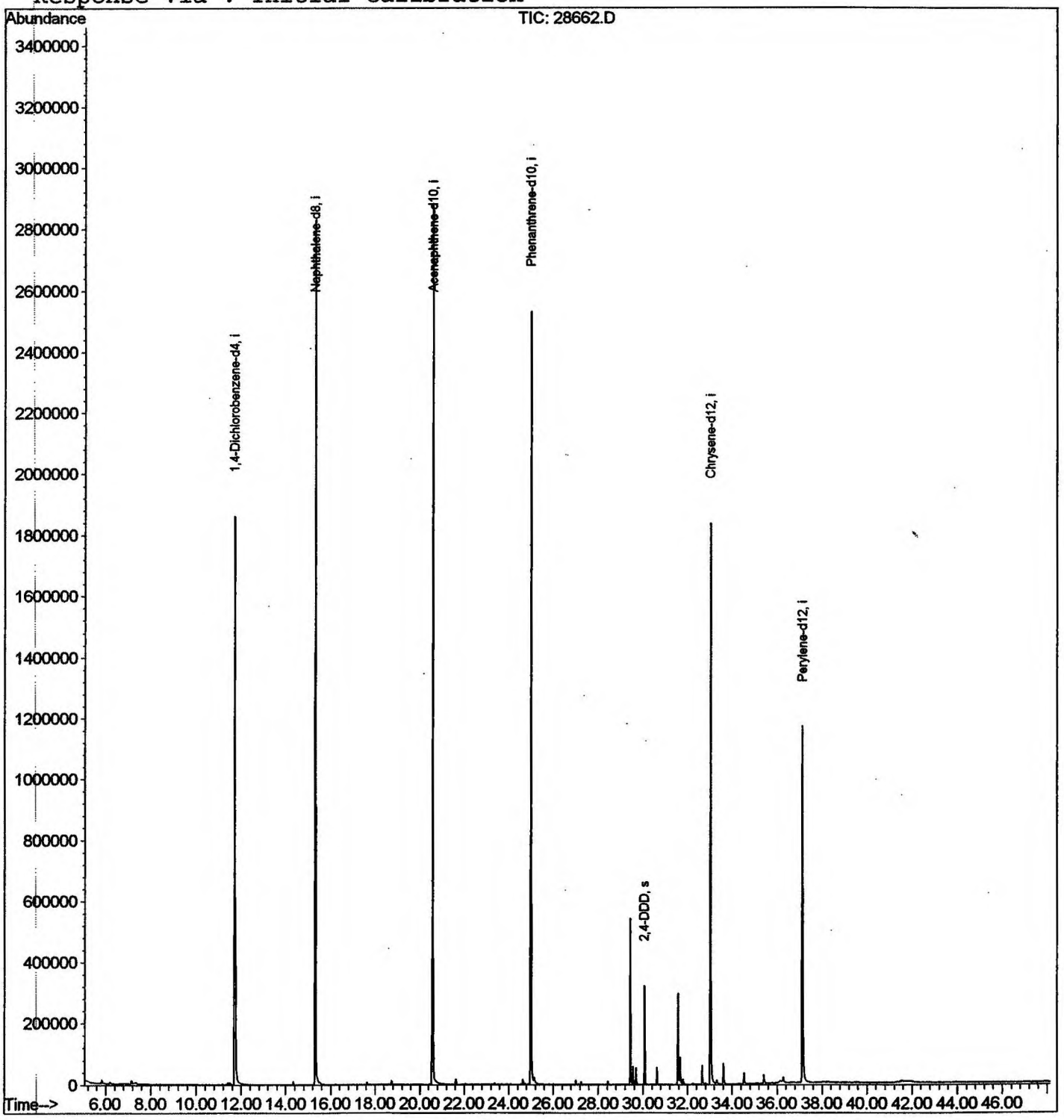
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:43 2001 Quant Results File: GCMS1126.RES

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\28662.D Vial: 15
Acq On : 5 Dec 2001 2:02 am 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

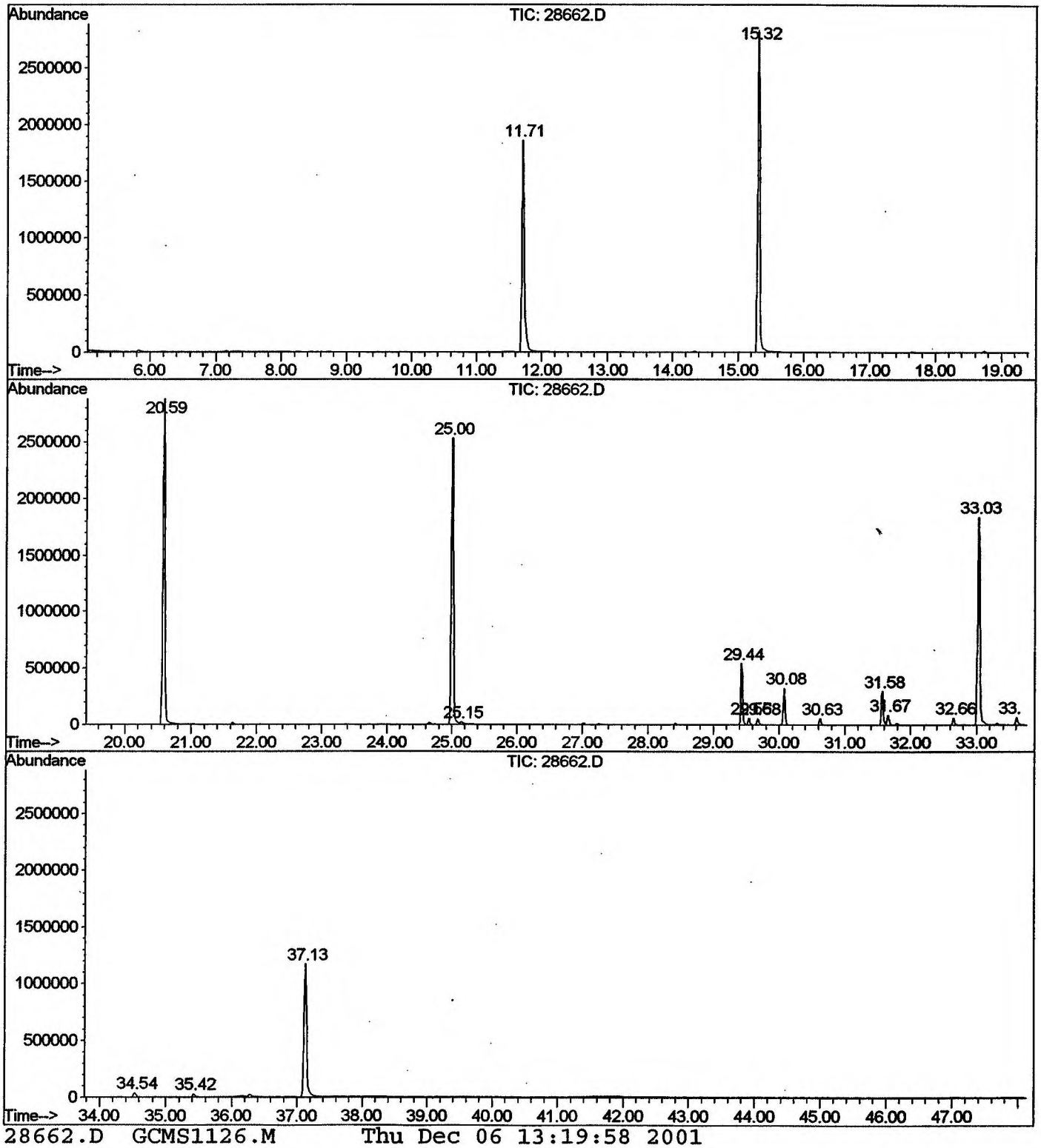
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.709	721	726	745	rBV	1859545	4648112	74.02%	13.803%
2	15.317	1113	1119	1137	rBV	2827059	6058566	96.47%	17.992%
3	20.586	1687	1693	1716	rBV	2881741	6279953	100.00%	18.649%
4	25.002	2168	2174	2187	rBV2	2530261	5726475	91.19%	17.006%
5	25.149	2187	2190	2202	rVB2	19941	71305	1.14%	0.212%
6	29.436	2652	2657	2665	rBV	542169	1028179	16.37%	3.053%
7	29.546	2665	2669	2679	rVB	58798	126168	2.01%	0.375%
8	29.684	2679	2684	2692	rBV2	53725	115855	1.84%	0.344%
9	30.079	2722	2727	2736	rBV	320710	619769	9.87%	1.841%
10	30.630	2781	2787	2798	rBV	56467	110778	1.76%	0.329%
11	31.575	2884	2890	2896	rBV	294882	610823	9.73%	1.814%
12	31.667	2896	2900	2910	rVV	87782	201340	3.21%	0.598%
13	32.658	3001	3008	3015	rBV	61537	130731	2.08%	0.388%
14	33.035	3042	3049	3070	rBV2	1835276	4304884	68.55%	12.784%
15	33.613	3106	3112	3123	rVB	66144	144615	2.30%	0.429%
16	34.540	3206	3213	3220	rBV	36245	90127	1.44%	0.268%
17	35.422	3301	3309	3318	rBV	27483	69644	1.11%	0.207%
18	37.129	3486	3495	3519	rBV2	1166810	3336461	53.13%	9.908%

Sum of corrected areas: 33673785

28662.D GCMS1126.M Thu Dec 06 13:19:55 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\28662.D
Operator : 209 GALOS
Acquired : 5 Dec 2001 2:02 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms 11/24
Misc Info :
Vial Number: 15
Quant File :GCMS1126.RES (RTE Integrator)



28662.D GCMS1126.M Thu Dec 06 13:19:58 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28662.D
Acq On : 5 Dec 2001 2:02 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

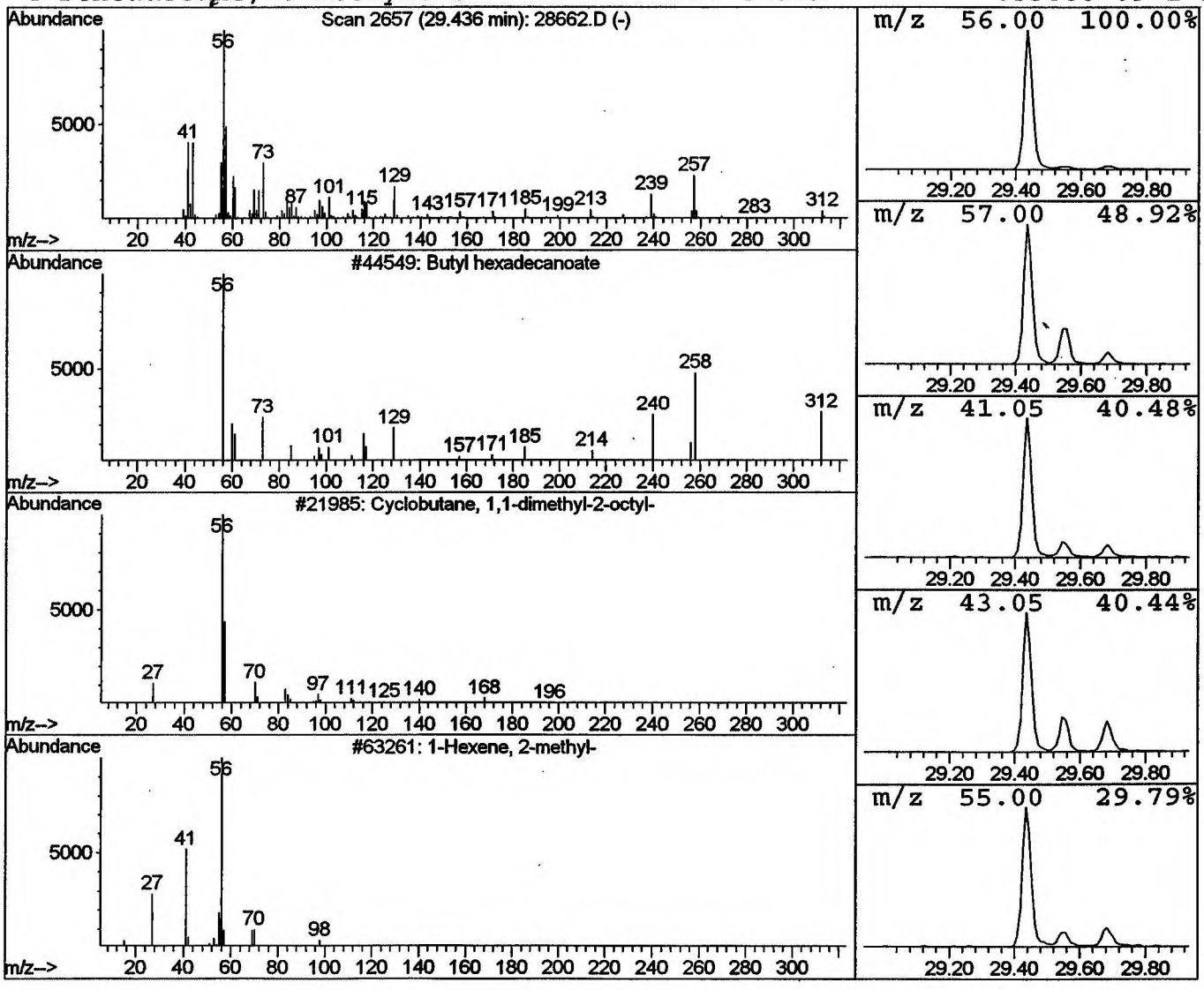
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyl hexadecanoate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.44	4.78 ug/l	1028180	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	35
2	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
4	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	25



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Acq On : 5 Dec 2001 2:02 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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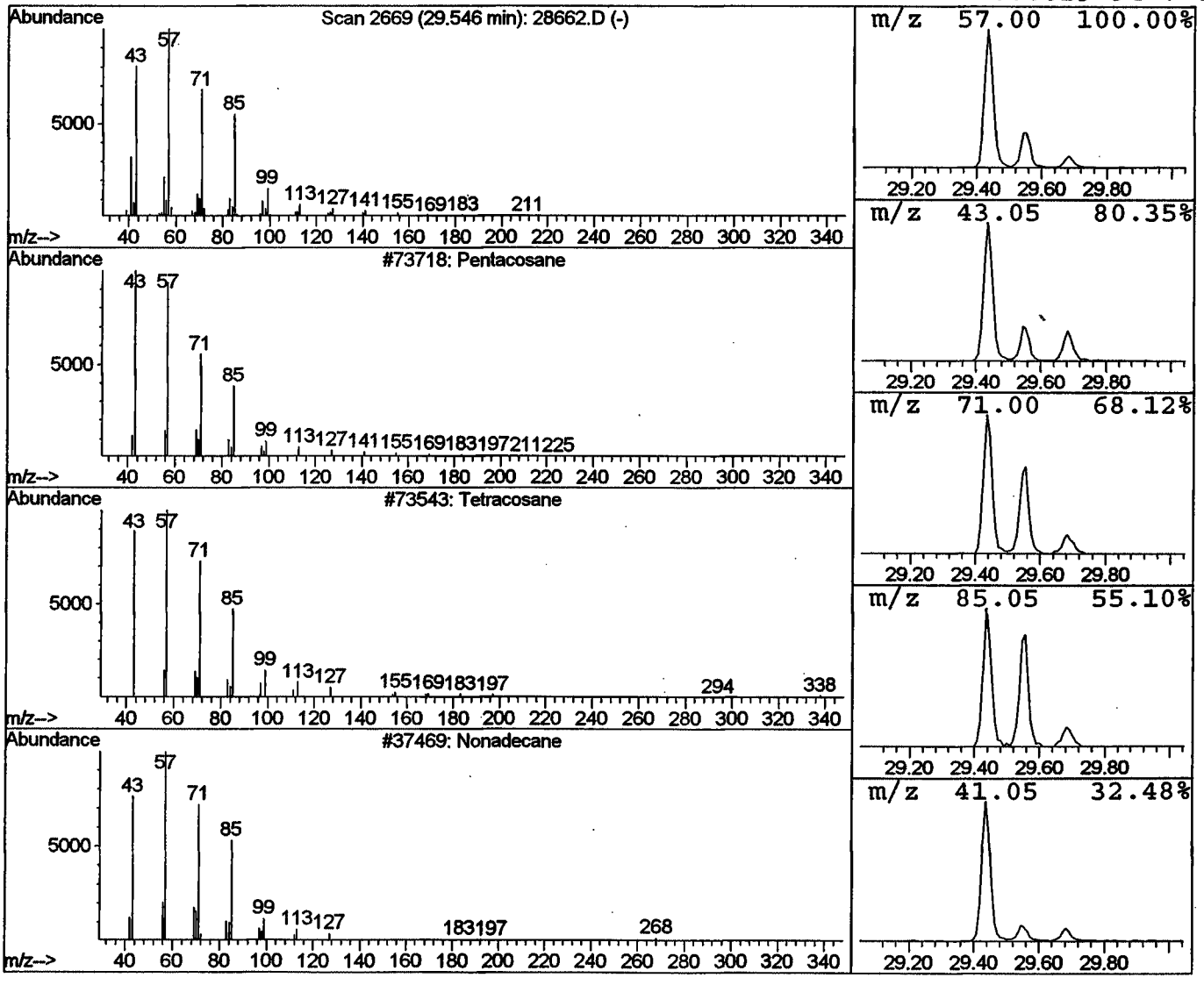
Peak Number 2 Pentacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.55	0.59 ug/l	126168	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Tetracosane	338	C24H50	000646-31-1	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Heneicosane	296	C21H44	000629-94-7	87



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28662.D
Acq On : 5 Dec 2001 2:02 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
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

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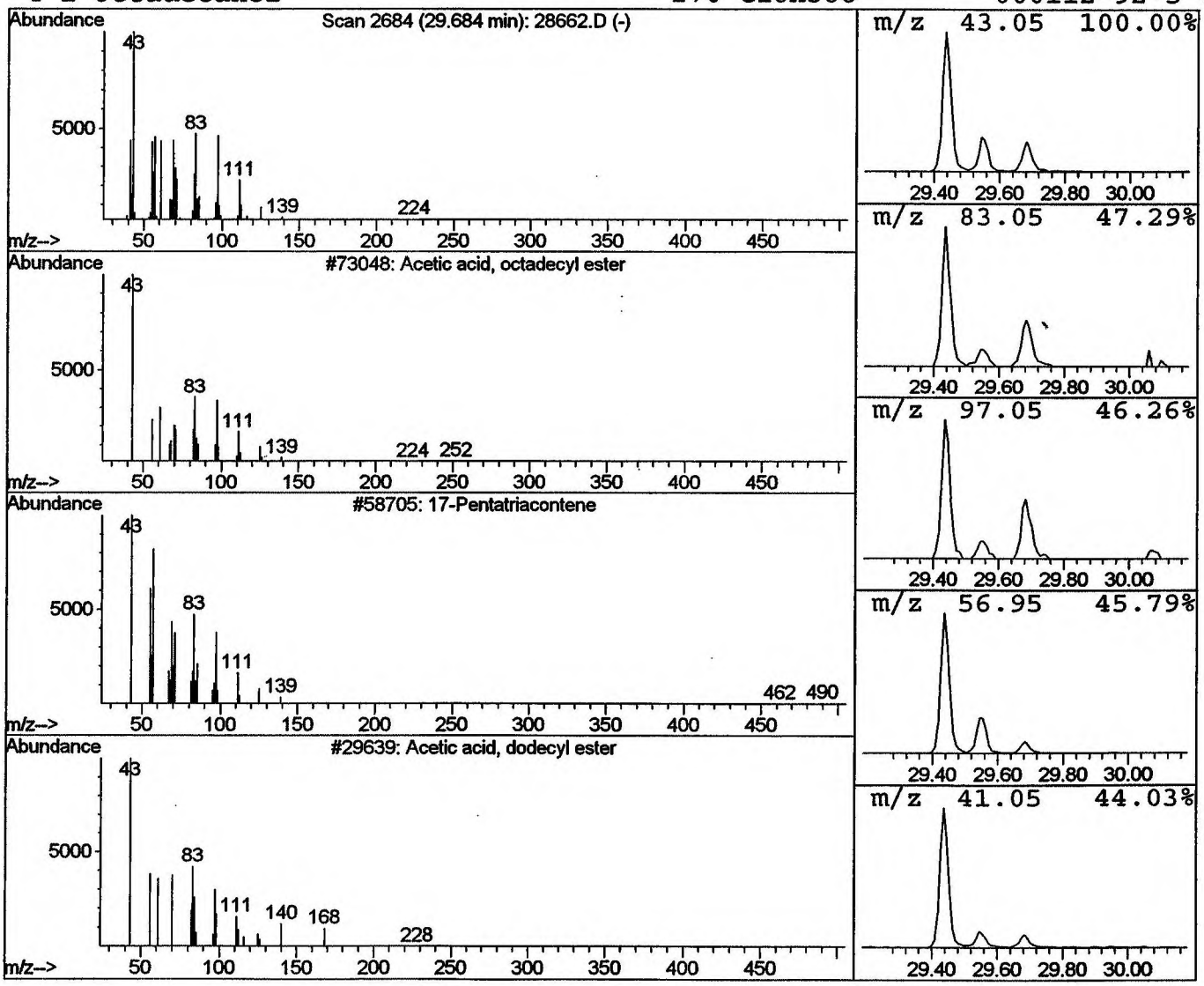
Peak Number 3 Acetic acid, octadecyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.68	0.54 ug/l	115855	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	87
2	17-Pentatriacontene	491	C35H70	006971-40-0	58
3	Acetic acid, dodecyl ester	228	C14H28O2	000112-66-3	50
4	1-Octadecanol	270	C18H38O	000112-92-5	49



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Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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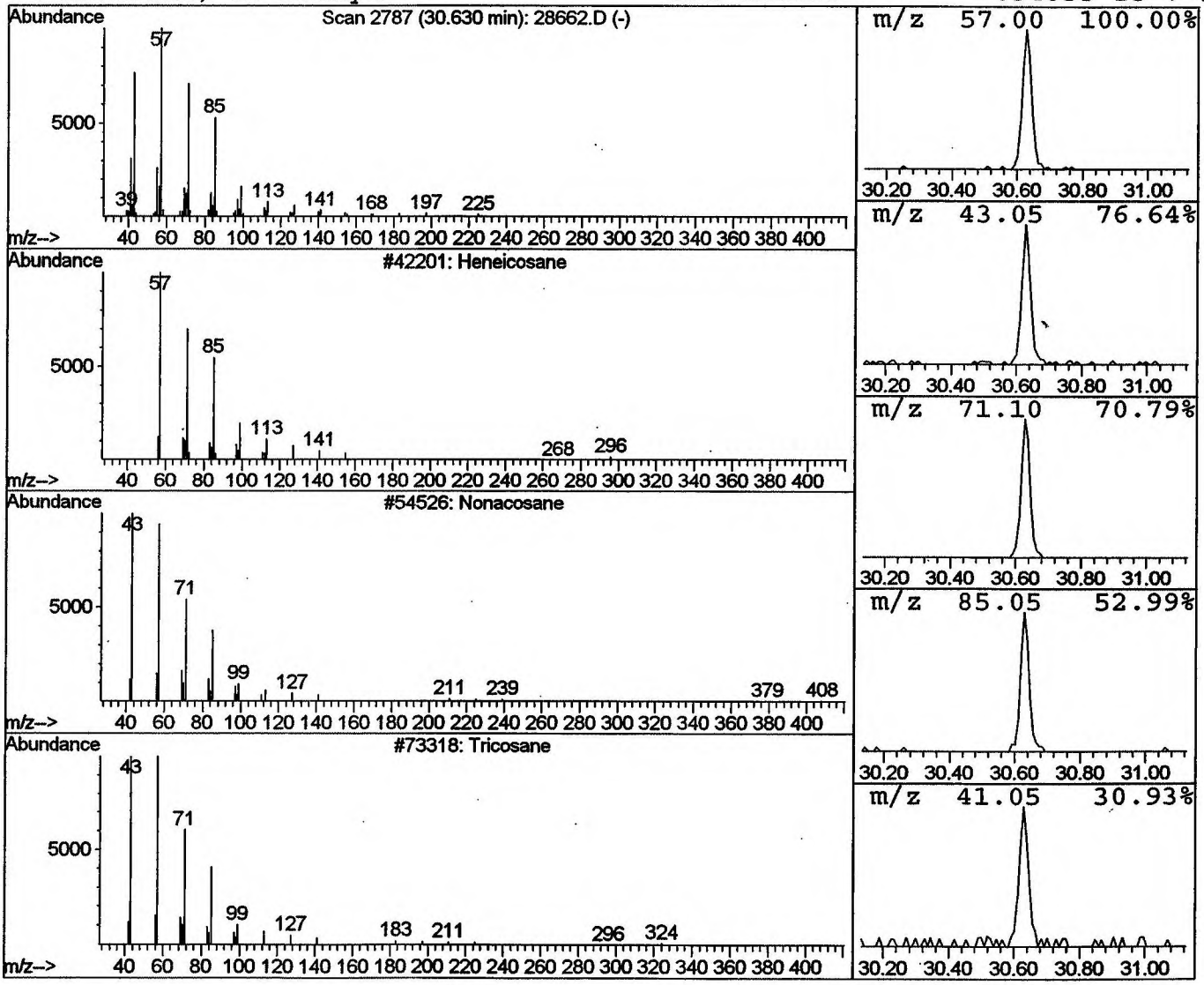
Peak Number 4 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.63	0.51 ug/l	110778	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonacosane	408	C29H60	000630-03-5	91
3	Tricosane	324	C23H48	000638-67-5	91
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90



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Misc :
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Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
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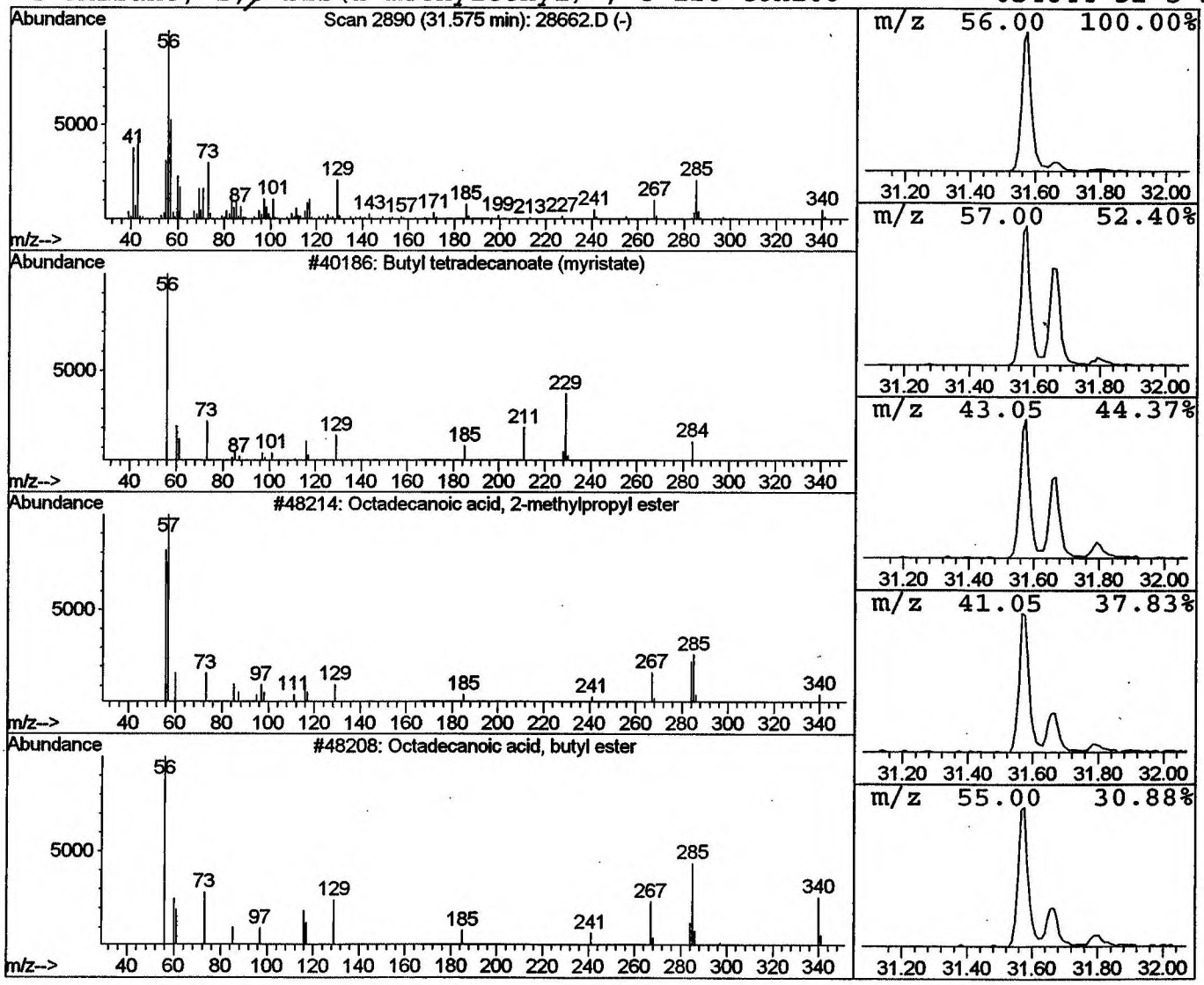
Peak Number 5 Butyl tetradecanoate (myristat Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.58	2.84 ug/l	610823	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	72
2	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	50
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	42
4	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	32



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Multiplr: 1.00

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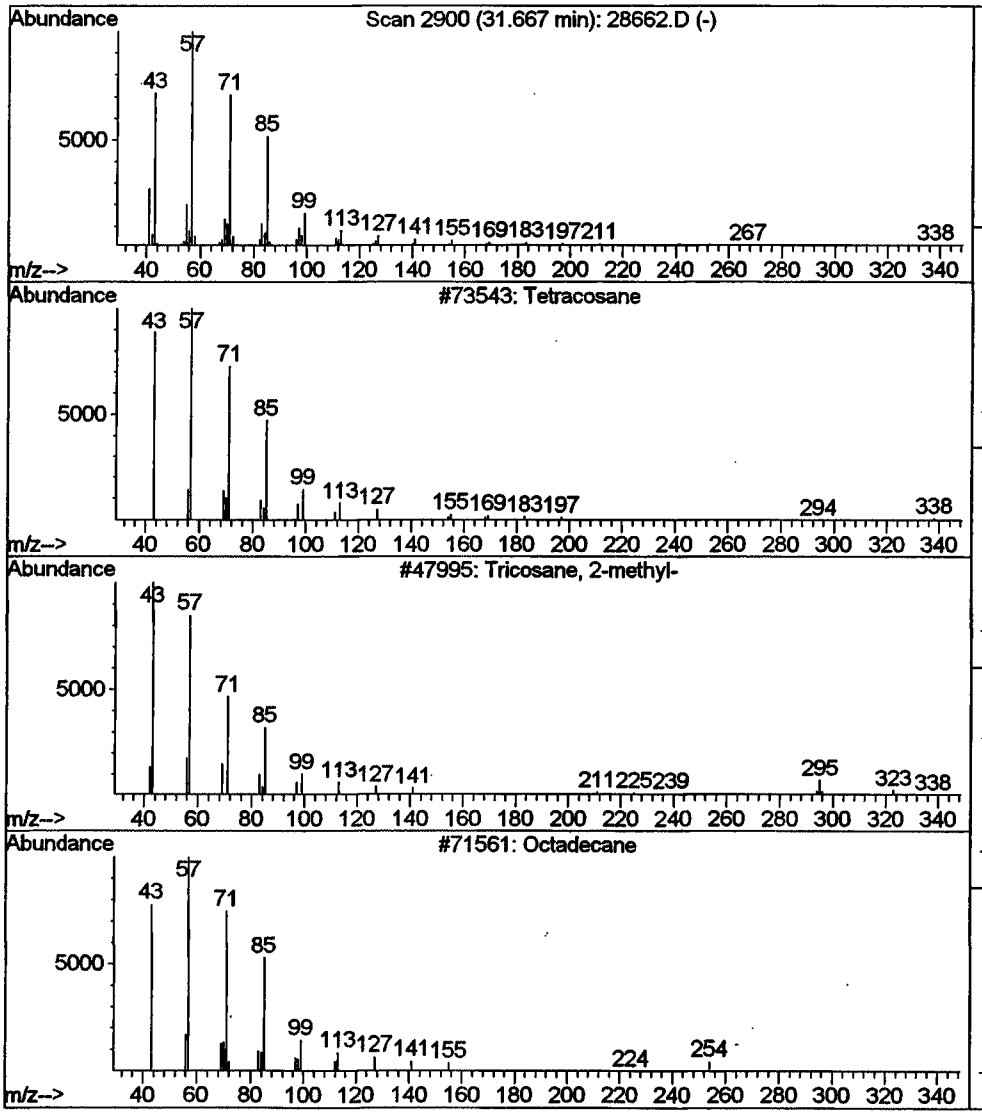
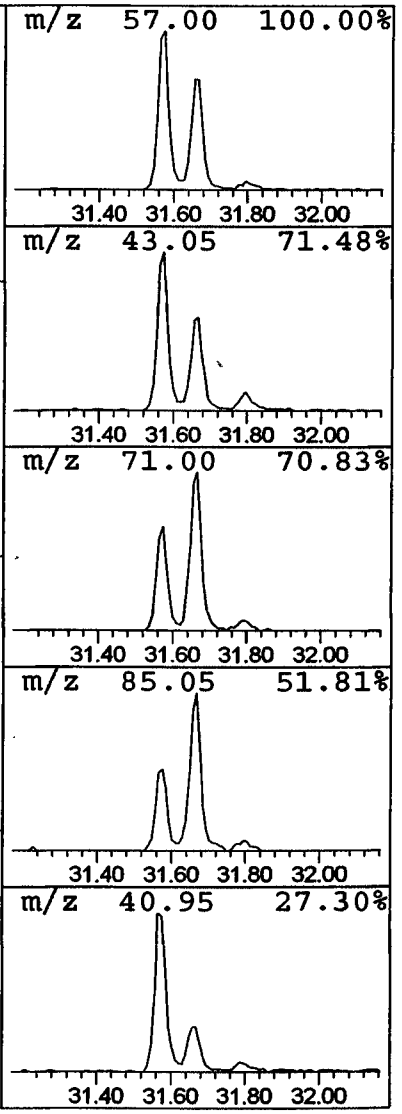
Peak Number 6 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.67	0.94 ug/l	201340	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	94
2	Tricosane, 2-methyl-	338	C24H50	001928-30-9	94
3	Octadecane	254	C18H38	000593-45-3	91
4	Eicosane	282	C20H42	000112-95-8	91





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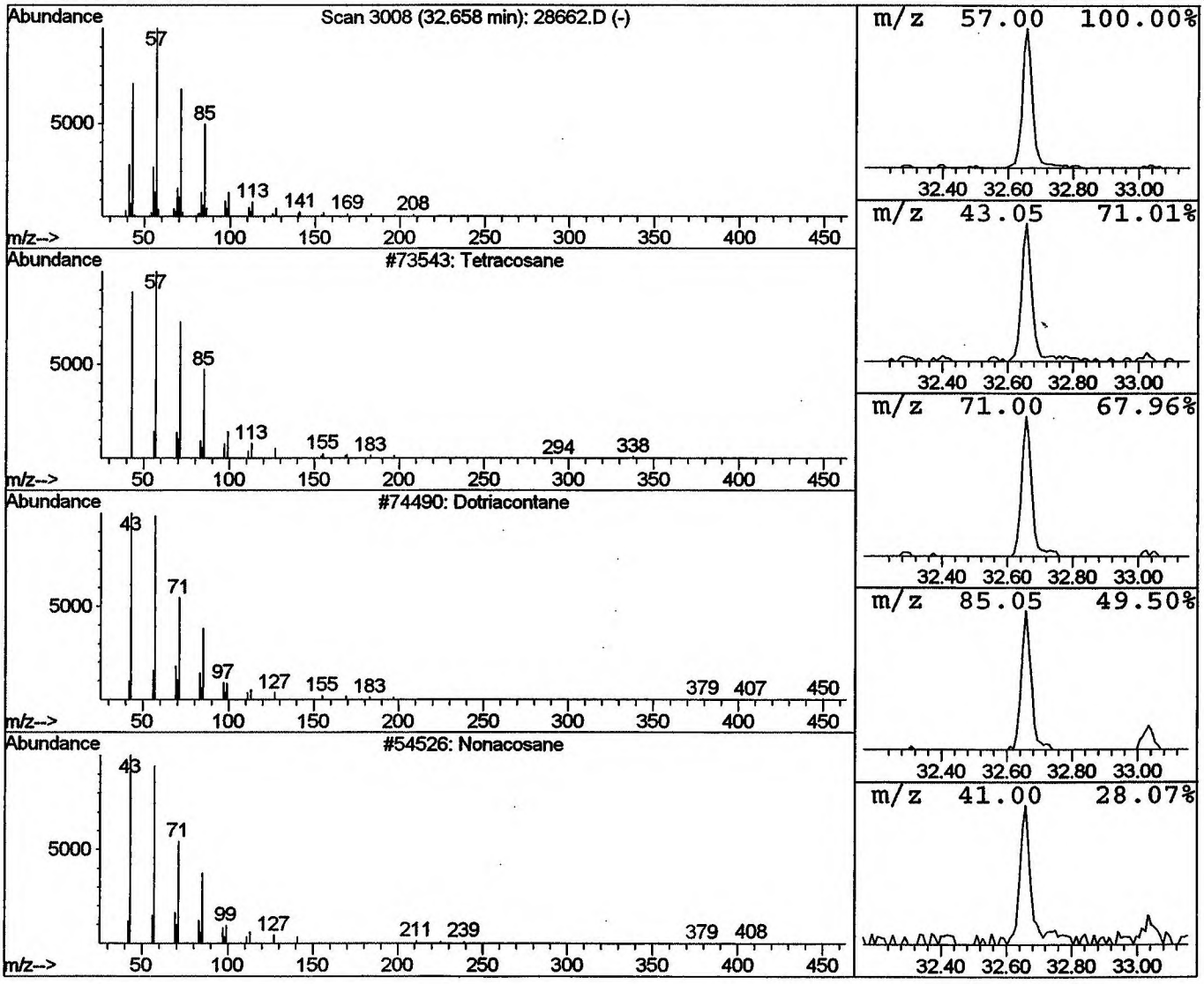
Peak Number 7 Tetracosane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.66	0.61 ug/l	130731	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Dotriacontane	451	C32H66	000544-85-4	91
3	Nonacosane	408	C29H60	000630-03-5	91
4	Pentacosane	352	C25H52	000629-99-2	90



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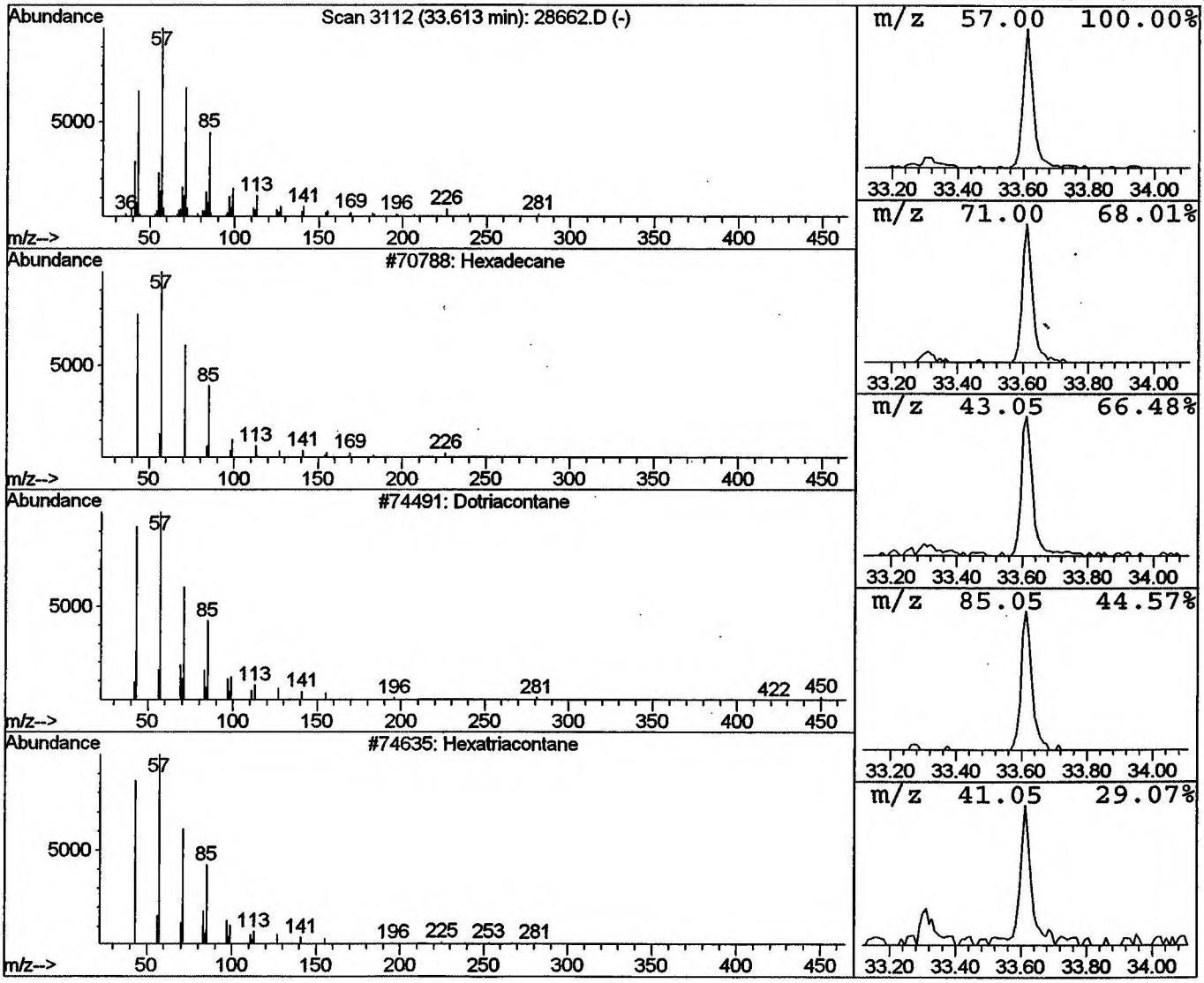
****

Peak Number 8 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.61	0.67 ug/l	144615	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Dotriacontane	451	C32H66	000544-85-4	91
3	Hexatriacontane	507	C36H74	000630-06-8	91
4	Triacontane	422	C30H62	000638-68-6	91



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Acq On : 5 Dec 2001 2:02 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
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

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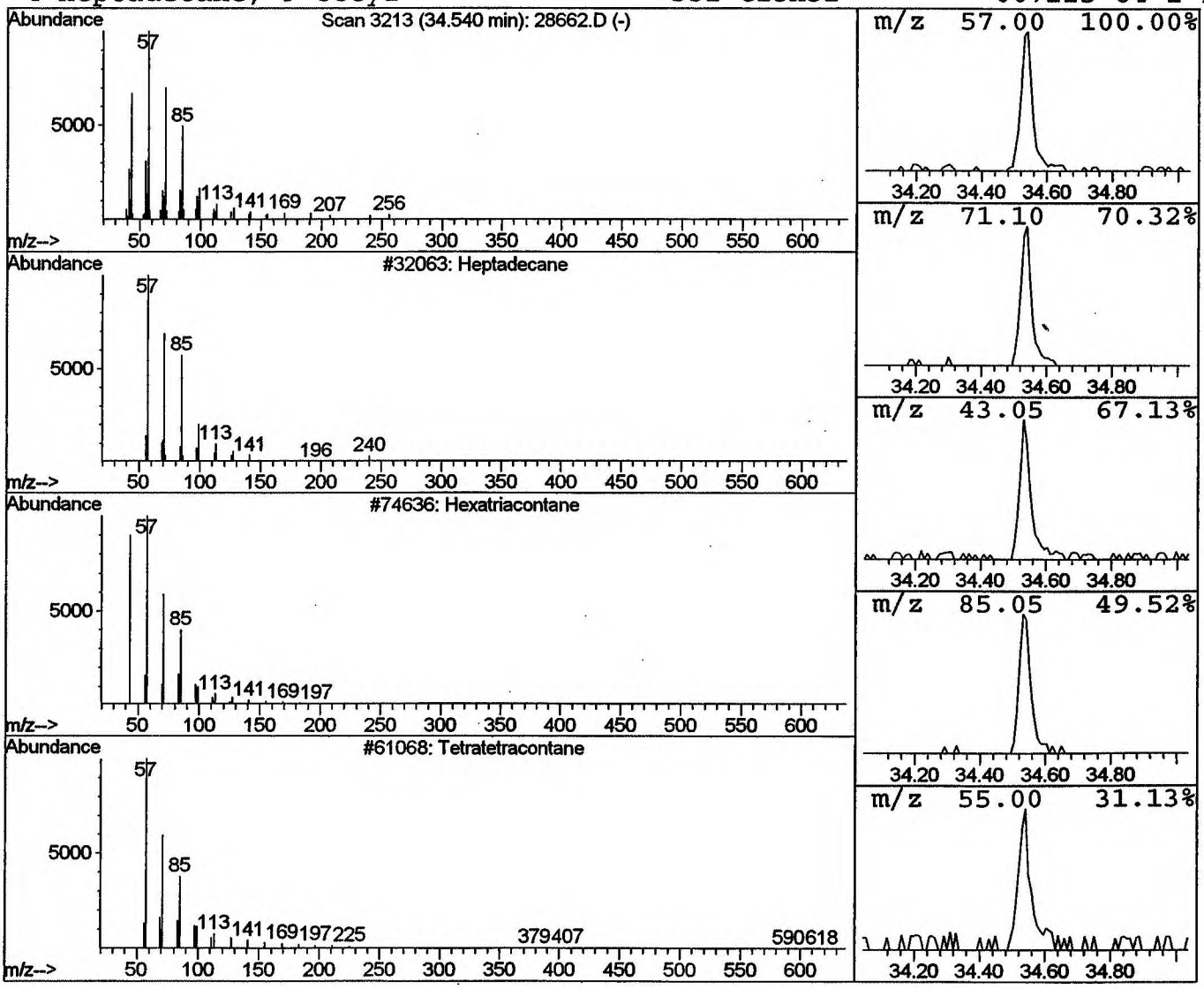
Peak Number 9 Heptadecane — Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.54	0.42 ug/l	90127	Chrysene-d12	33.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	98
2	Hexatriacontane	507	C36H74	000630-06-8	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28662.D
Acq On : 5 Dec 2001 2:02 am
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 15
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

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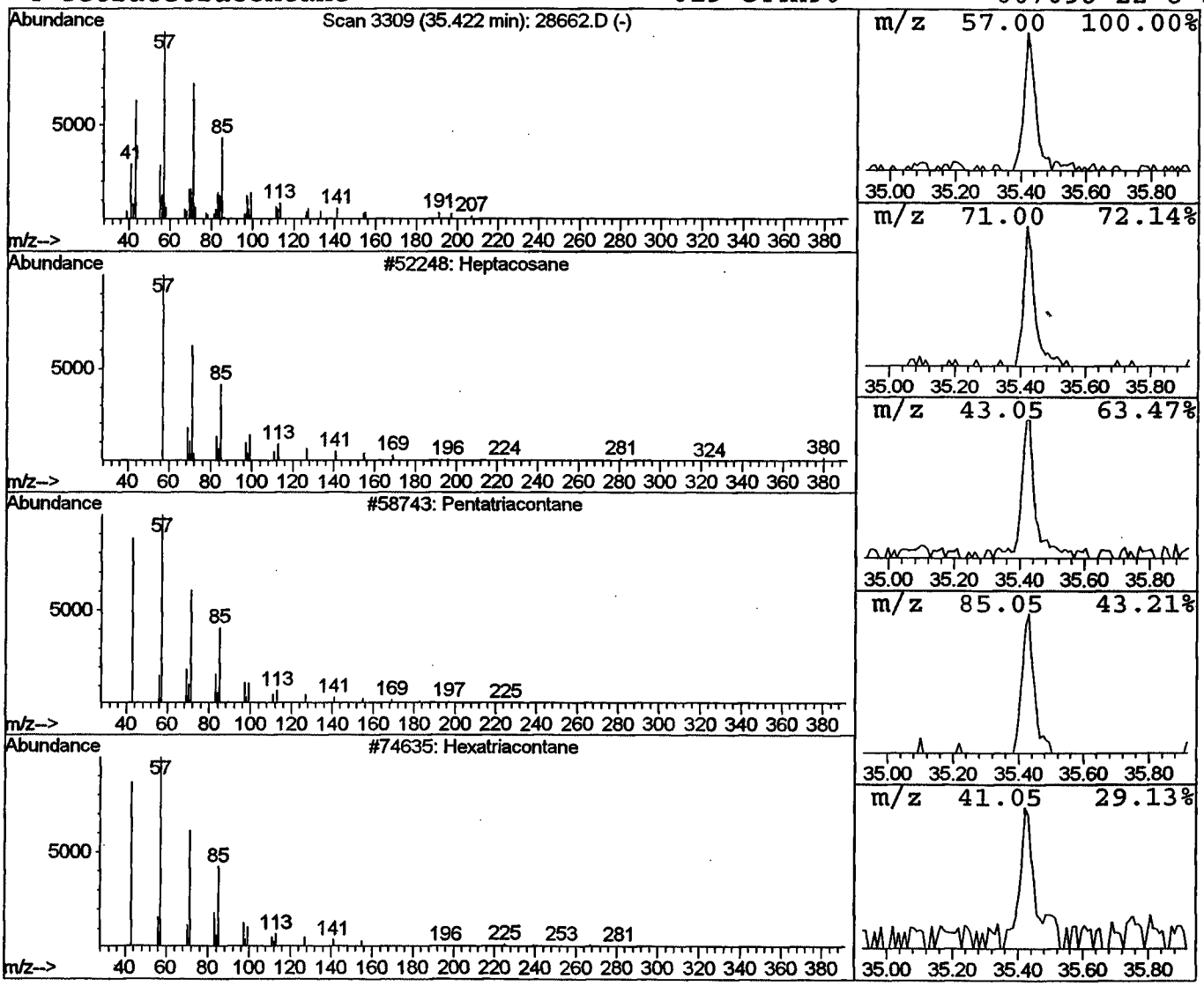
Peak Number 10 Heptacosane — Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.42	0.42 ug/l	69644	Perylene-d12	37.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Pentatriacontane	493	C35H72	000630-07-9	87
3	Hexatriacontane	507	C36H74	000630-06-8	87
4	Tetratetracontane	619	C44H90	007098-22-8	87



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 2:02 am
Data File: C:\HPCHEM\1\DATA\DEC0401\28662.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	4.8	ug/l	1028180	ISTD05	33.03	4304880	20.0
Pentacosane	29.55	0.6	ug/l	126168	ISTD05	33.03	4304880	20.0
Acetic acid, octadec	29.68	0.5	ug/l	115855	ISTD05	33.03	4304880	20.0
Heneicosane	30.63	0.5	ug/l	110778	ISTD05	33.03	4304880	20.0
Butyl tetradecanoate	31.58	2.8	ug/l	610823	ISTD05	33.03	4304880	20.0
Tetracosane	31.67	0.9	ug/l	201340	ISTD05	33.03	4304880	20.0
Tetracosane	32.66	0.6	ug/l	130731	ISTD05	33.03	4304880	20.0
Hexadecane	33.61	0.7	ug/l	144615	ISTD05	33.03	4304880	20.0
Heptadecane	34.54	0.4	ug/l	90127	ISTD05	33.03	4304880	20.0
Heptacosane	35.42	0.4	ug/l	69644	ISTD06	37.13	3336460	20.0

28662.D GCMS1126.M Thu Dec 06 13:20:22 2001

Turbo up please