User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 12:23:00

Sample: AD27771
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/3/02 12:22 Ended: 1/3/02 12:22 Analyst: MG
Page: 1

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

omments for Sample AD27771 - Analysis $GCMS

Vestchester Dept. of Labs & Research
ser: Galos, Marie
ate: 01-03-2002 Time: 12:23:07

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D Vial: 30
Acq On : 19 Dec 2001 7:33 pm Operator: 209 GALOS
Sample : gc/msunknown 11/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 3 9:46 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.67	152	921715	20.00	ug/l	-0.03
10) Naphthalene-d8	15.27	136	3554250	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1773380	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	2616242m	20.00	ug/l	-0.01
38) Chrysene-d12	33.01	240	1757344	20.00	ug/l	-0.02
44) Perylene-d12	37.10	264	1186206	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	0.00	235	0	0.00	ug/mL	
Spiked Amount 5.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.33	128	468	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.15	165	170	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D Vial: 30
Acq On : 19 Dec 2001 7:33 pm Operator: 209 GALOS
Sample : gc/msunknown 11/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 3 9:46 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

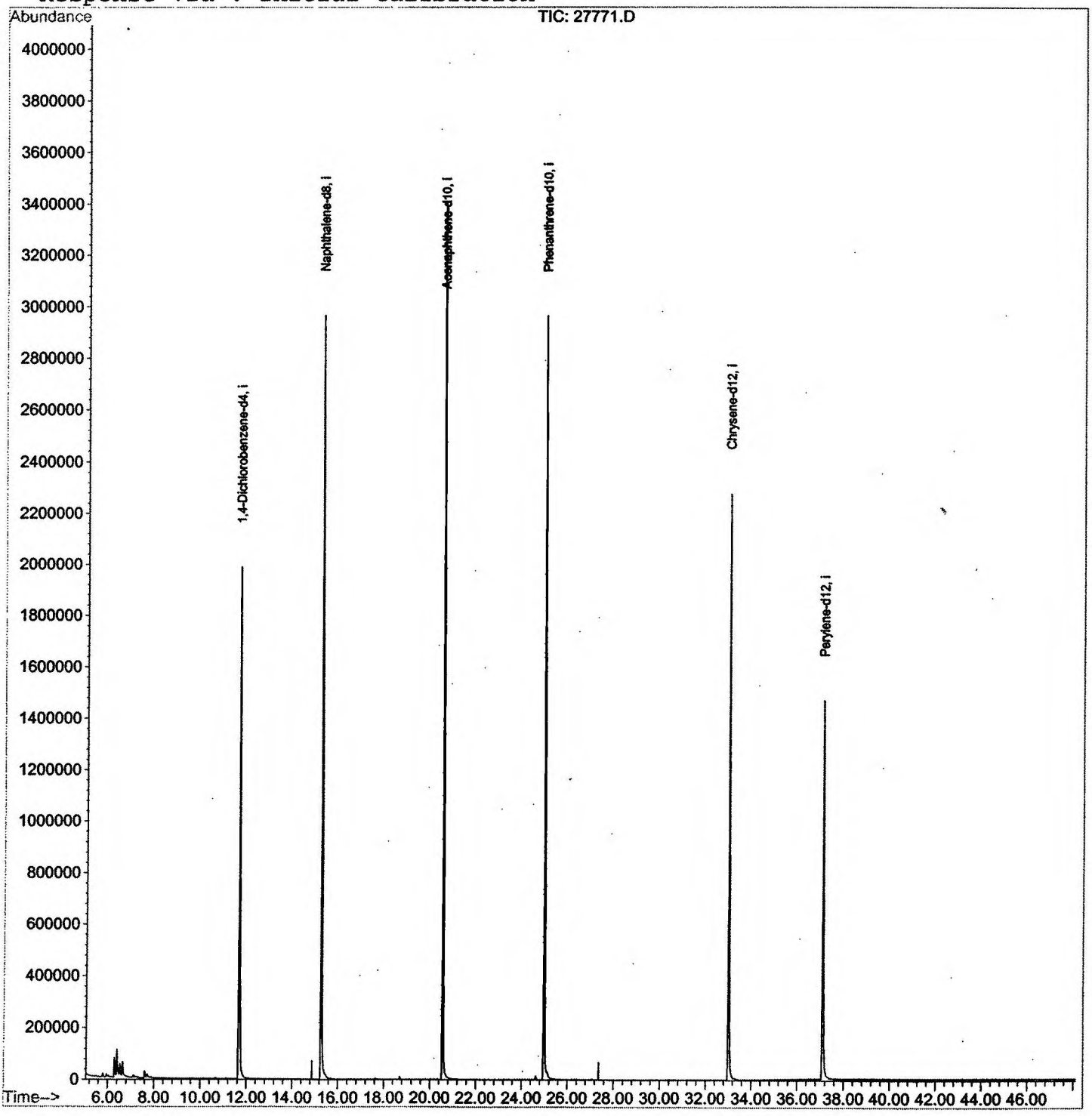
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32) Hexachlorobenzene	0.00	284	0	N.D.	
33) Phenanthrene	24.98	178	929	N.D.	
34) Anthracene	24.98	178	929	N.D.	
35) Di-n-butylphthalate	27.02	149	2139	N.D.	
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	33.01	228	3960	N.D.	
42) Bis(2-ethylhexyl)phthalate	33.29	149	2667	N.D.	
43) Chrysene	33.01	228	3960	N.D.	
45) Di-n-Octylphthalate	35.47	149	103	N.D.	
46) Benzo(b)fluoranthene	0.00	252	0	N.D.	
47) Benzo(k)fluoranthene	0.00	252	0	N.D.	
48) Benzo(a)pyrene	37.10	252	5036	N.D.	
49) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D Vial: 30
Acq On : 19 Dec 2001 7:33 pm Operator: 209 GALOS
Sample : gc/msunknown 11/19 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 3 9:46 2002 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D Vial: 30
Acq On : 19 Dec 2001 7:33 pm Operator: 209 GALOS
Sample : gc/msunknown 11/19 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

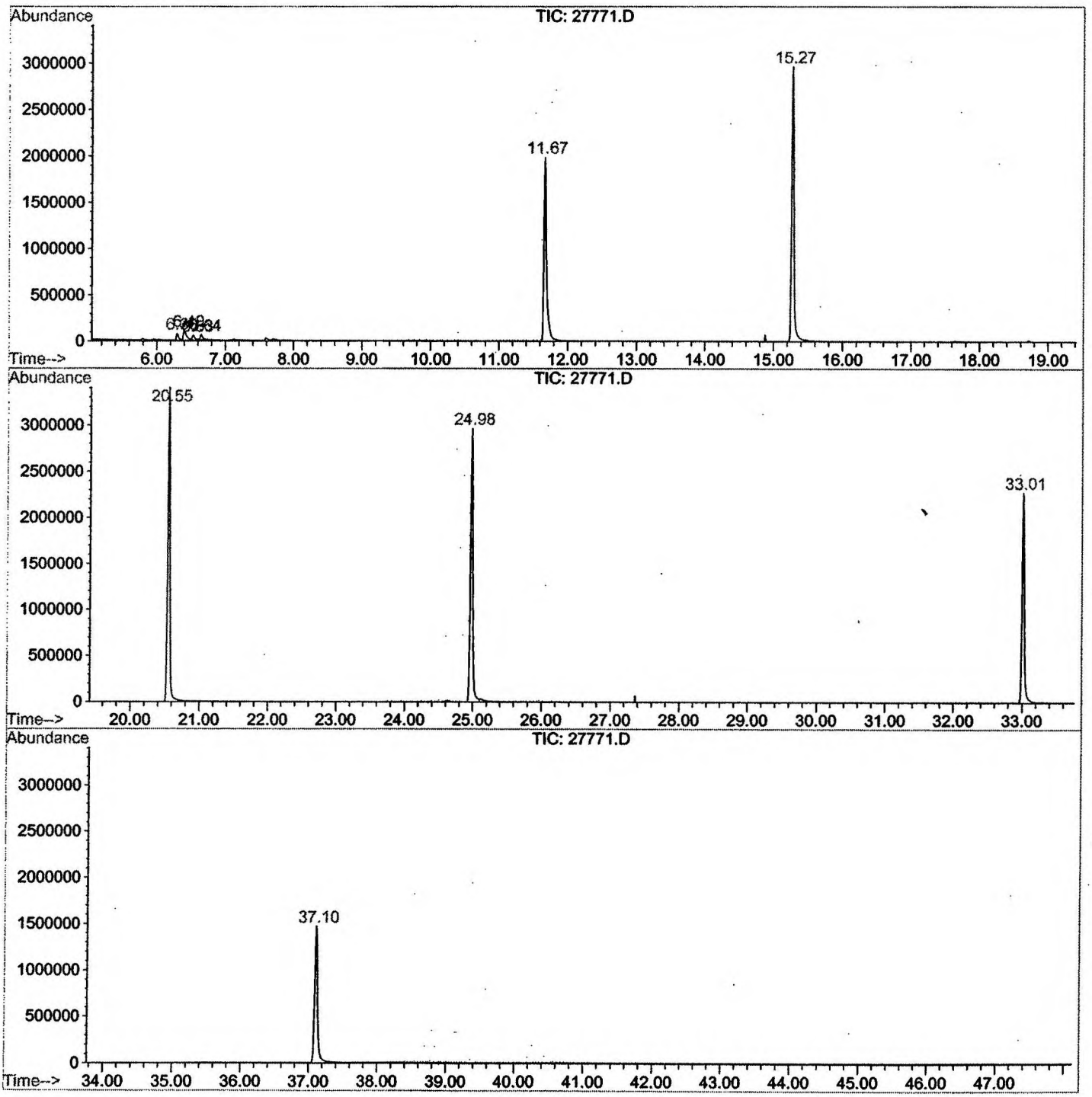
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.296	132	136	141	rBV	75259	162916	2.19%	0.438%
2	6.397	144	147	158	rVV	105921	314562	4.22%	0.846%
3	6.525	158	161	170	rVV	49383	134339	1.80%	0.361%
4	6.645	170	174	187	rVB	56590	150980	2.03%	0.406%
5	11.666	716	721	750	rBV	1986675	5313501	71.34%	14.293%
6	15.274	1108	1114	1134	rBV	2965803	6872933	92.28%	18.488%
7	20.553	1683	1689	1709	rBV	3409556	7447758	100.00%	20.034%
8	24.978	2164	2171	2184	rBV2	2964671	6944359	93.24%	18.680%
9	33.010	3040	3046	3067	rBV2	2276214	5516387	74.07%	14.839%
10	37.105	3484	3492	3511	rBV2	1467485	4317353	57.97%	11.614%

Sum of corrected areas: 37175088

27771.D GCMS1126.M Wed Jan 02 12:00:38 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Operator : 209 GALOS
Acquired : 19 Dec 2001 7:33 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/msunknown 11/19
Misc Info :
Vial Number: 30
Quant File :GCMS1126.RES (RTE Integrator)



27771.D GCMS1126.M Wed Jan 02 12:00:44 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Acq On : 19 Dec 2001 7:33 pm
Sample : gc/msunknown 11/19
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

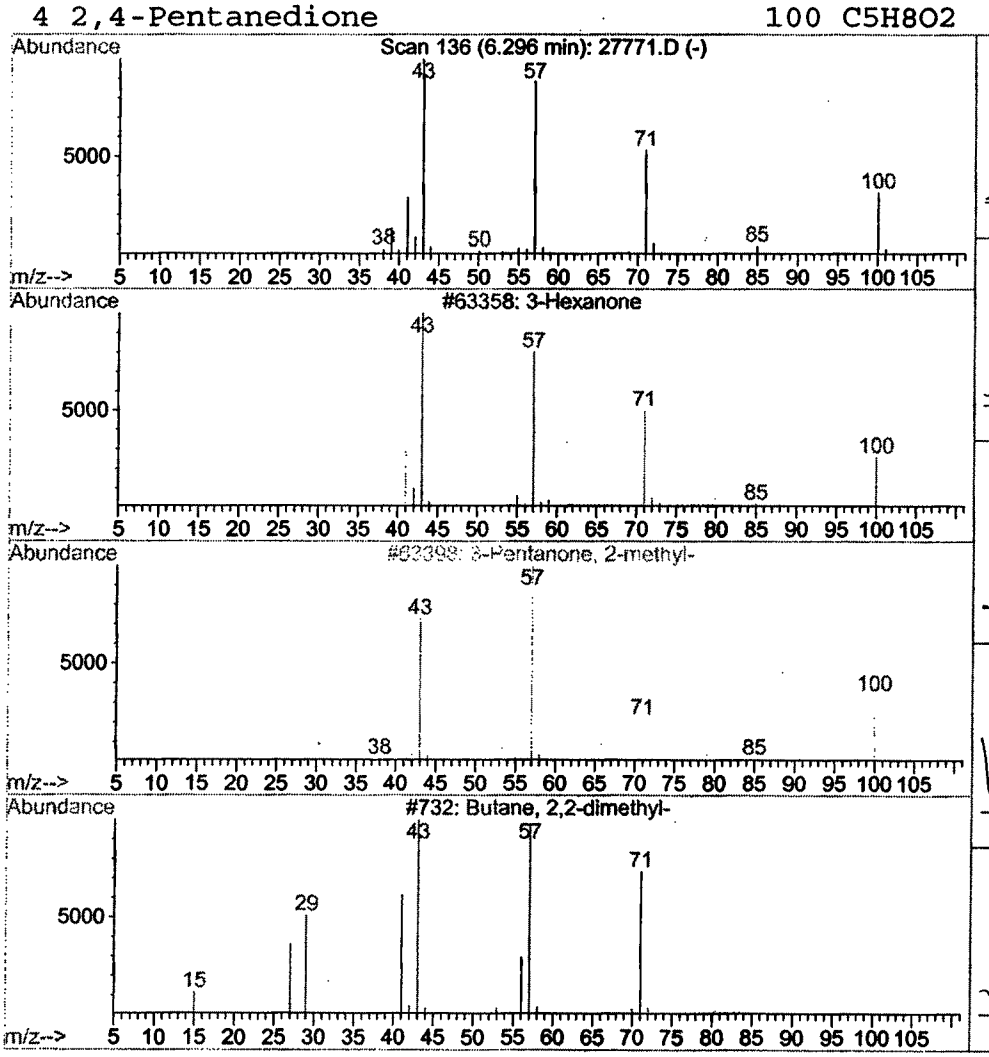
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

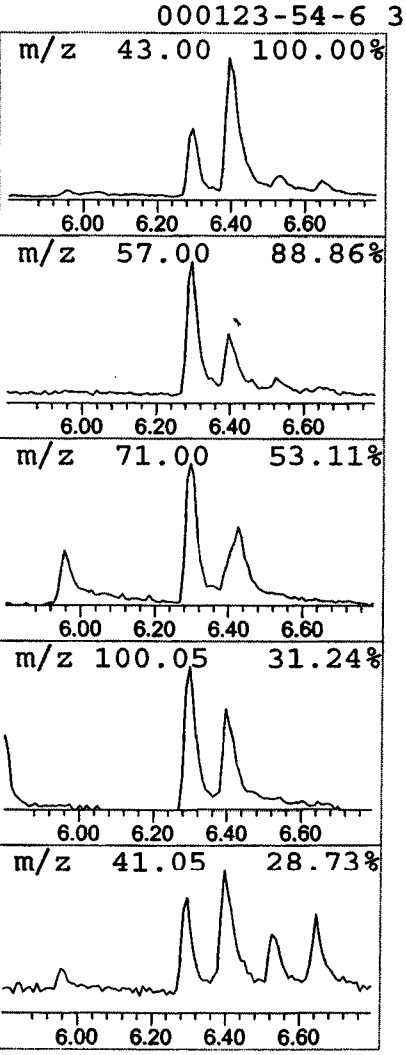
****

Peak Number 1 3-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	0.61 ug/l	162916	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	87
2	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	47
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	45
4	2,4-Pentanedione	100	C5H8O2	000123-54-6	38





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Acq On : 19 Dec 2001 7:33 pm
Sample : gc/msunknown 11/19
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

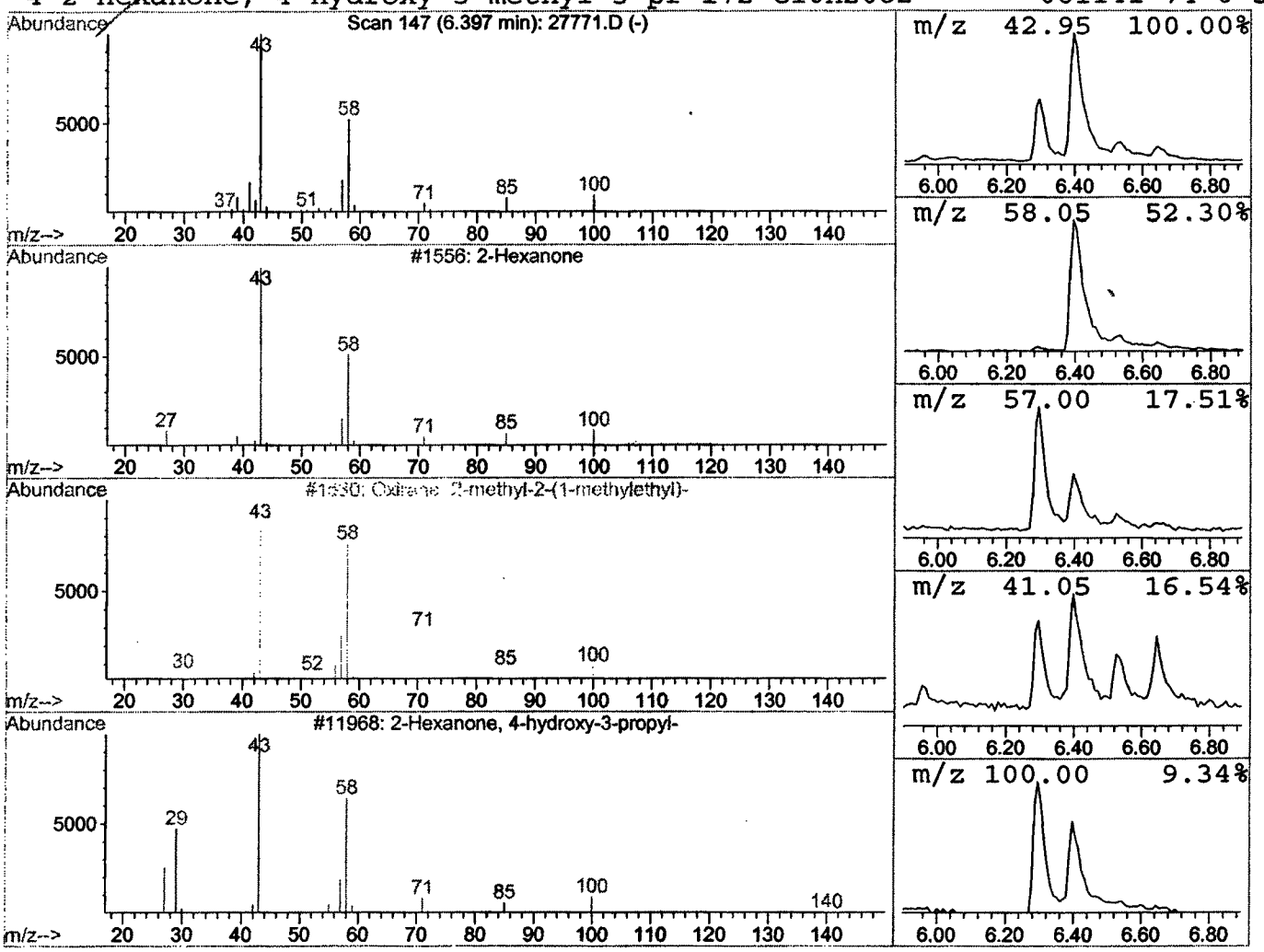
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	1.18 ug/l	314562	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	86
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	64
4	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	59



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Acq On : 19 Dec 2001 7:33 pm
Sample : gc/msunknown 11/19
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst. : GC/MS 209
Multiplr: 1.00

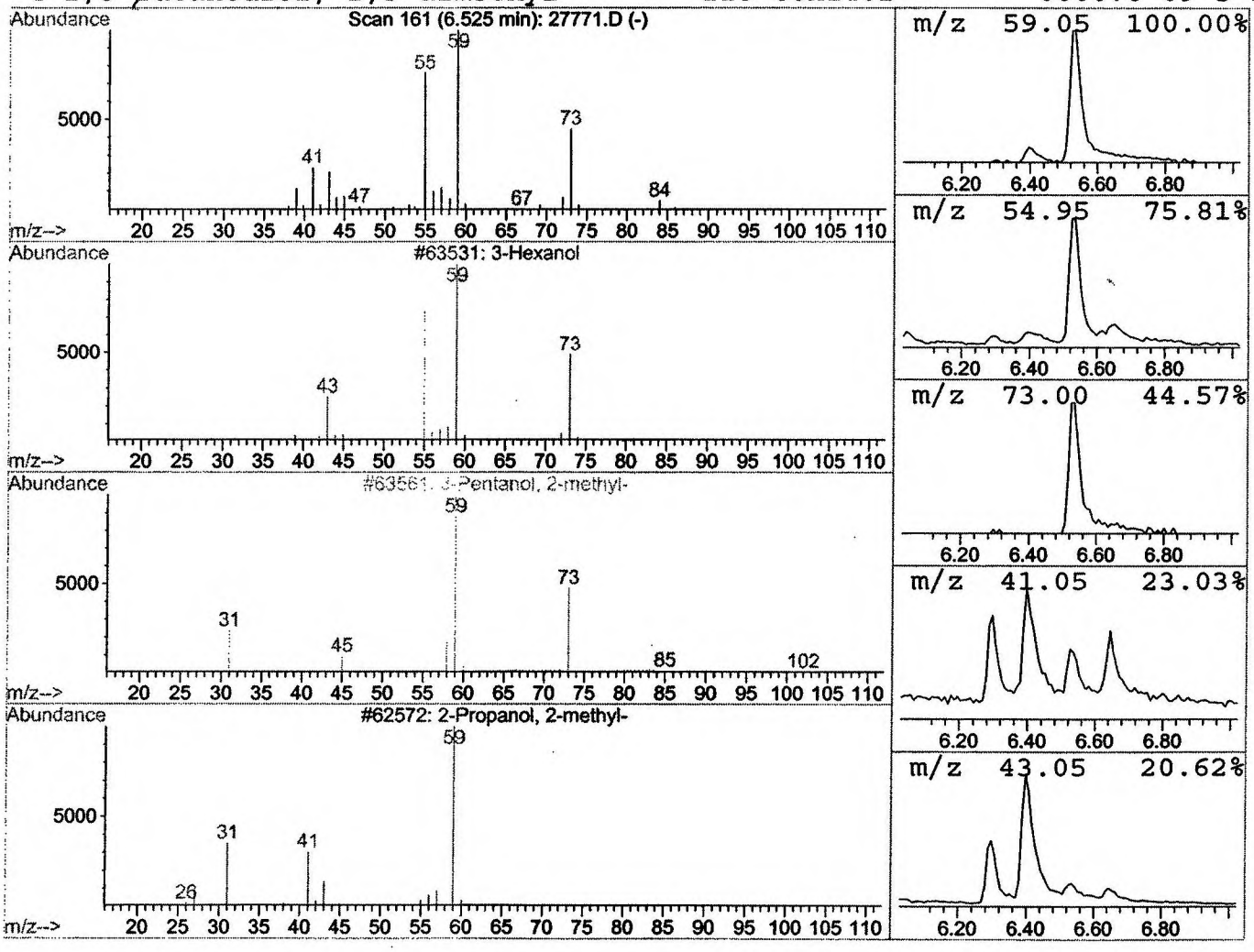
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	0.51 ug/l	134339	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	72
2	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	38
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	36
4	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	33



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Acq On : 19 Dec 2001 7:33 pm
Sample : gc/msunknown 11/19
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

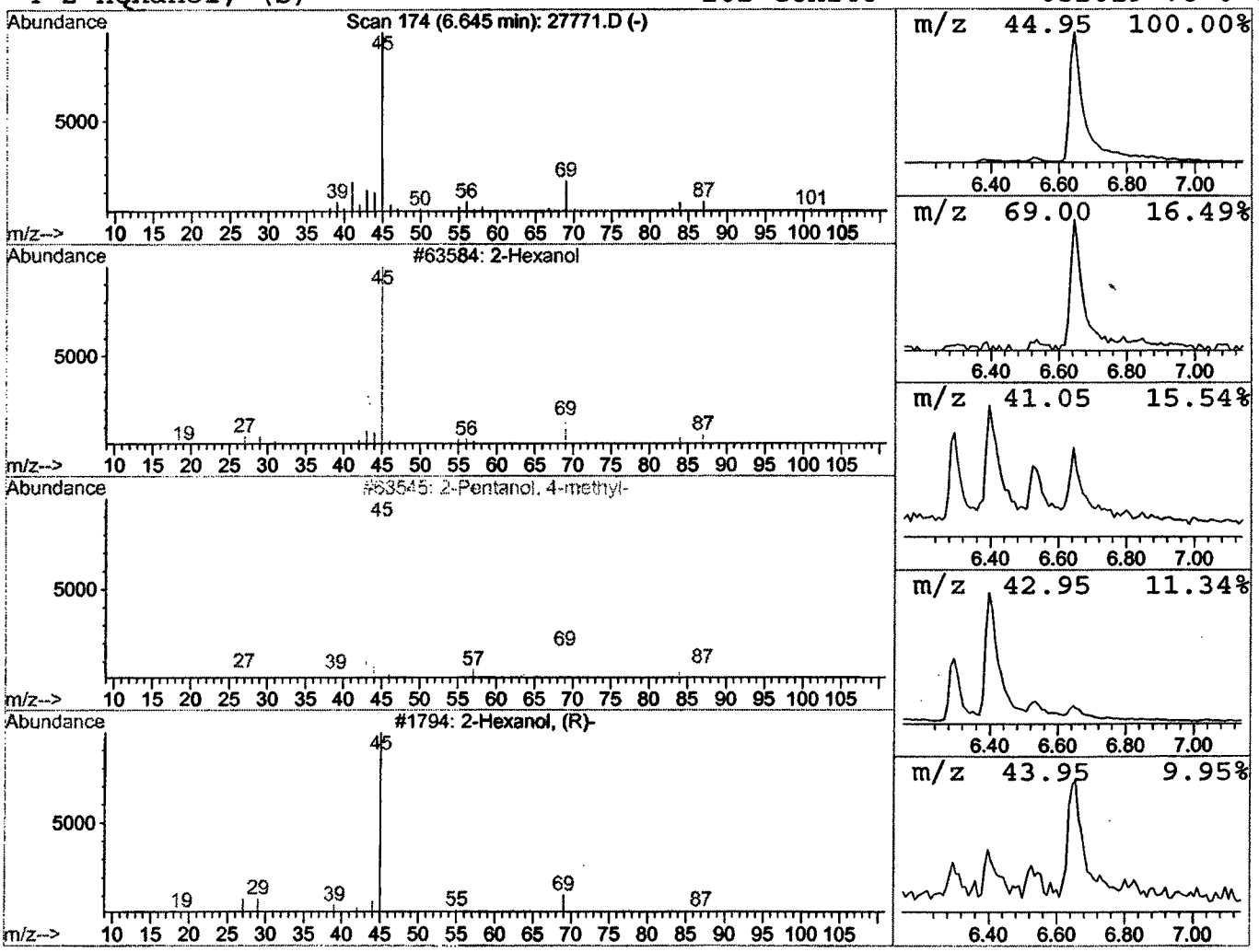
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol — Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	0.57 ug/l	150980	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	64
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
3	2-Hexanol, (R)-	102	C6H14O	026549-24-6	40
4	2-Hexanol, (S)-	102	C6H14O	052019-78-0	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27771.D
Acq On : 19 Dec 2001 7:33 pm
Sample : gc/msunknown 11/19
Misc :
MS Integration Params: LSCINT.P

Vial: 30
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

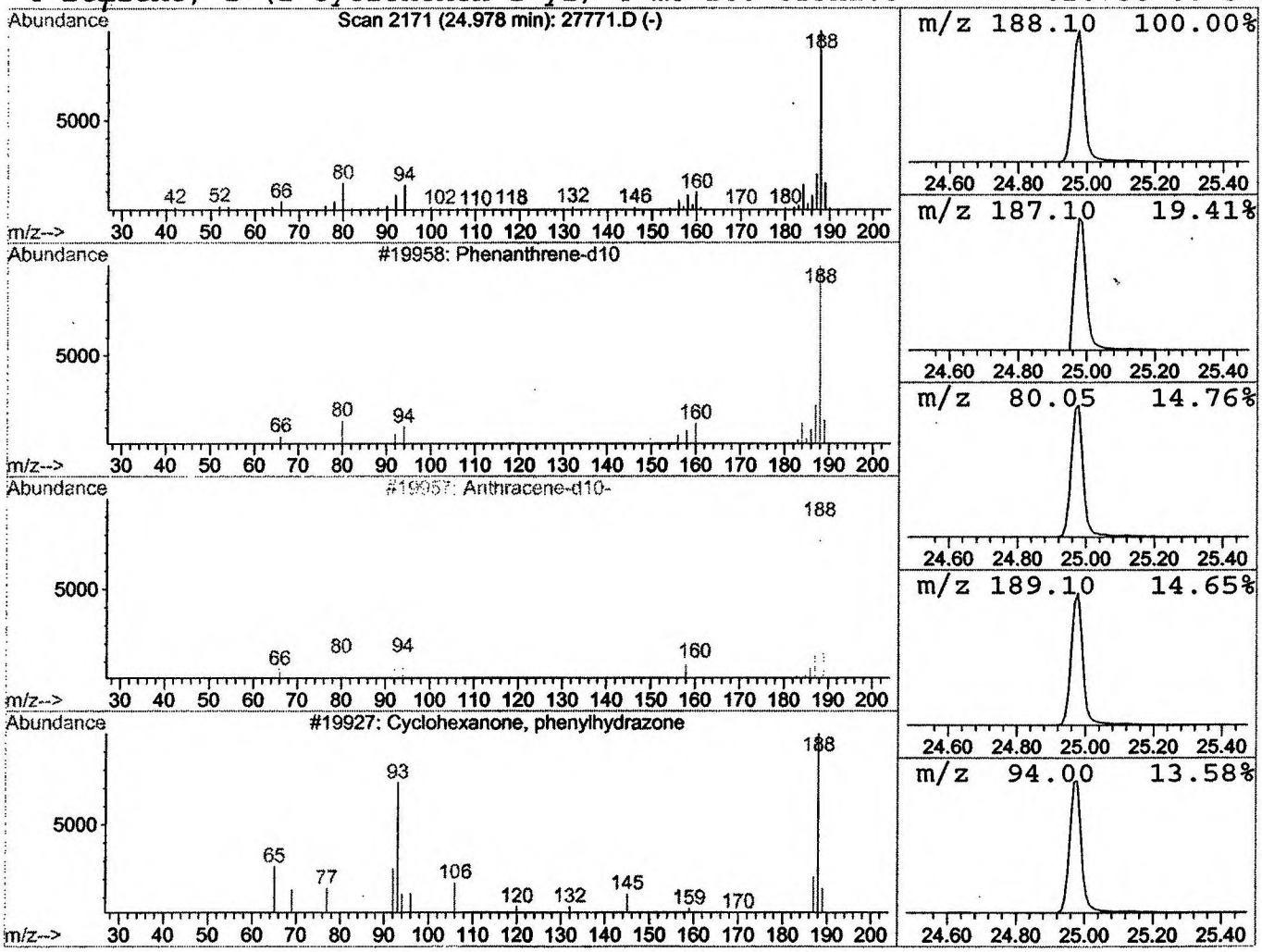
****

Peak Number 5 Phenanthrene-d10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.98	18.65 ug/l	6944360	Acenaphthene-d10	20.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	98
2	Anthracene-d10-	188	C14D10	001719-06-8	97
3	Cyclohexanone, phenylhydrazone	188	C12H16N2	000946-82-7	53
4	Benzene, 1-(1-cyclohexen-1-yl)-4-me	188	C13H16O	020758-60-5	36

IS



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 19 Dec 2001 7:33 pm
Data File: C:\HPCHEM\1\DATA\DEC1901\27771.D
Name: gc/msunknown 11/19
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
3-Hexanone	6.30	0.6	ug/l	162916	ISTD01	11.67	5313500	20.0
2-Hexanone	6.40	1.2	ug/l	314562	ISTD01	11.67	5313500	20.0
3-Hexanol	6.53	0.5	ug/l	134339	ISTD01	11.67	5313500	20.0
2-Hexanol	6.64	0.6	ug/l	150980	ISTD01	11.67	5313500	20.0
Phenanthrene-d10	24.98	18.6	ug/l	6944360	ISTD03	20.55	7447760	20.0

27771.D GCMS1126.M Wed Jan 02 12:01:11 2002