Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Report Date: 07-Feb-2006 08:22

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
14.896	74384	5.04457450	84.07624	0		0	18
Unknown				CAS #:			
16.092	84949	4.63673115	77.27885	0		0	41
Unknown				CAS #:			
18.021	160075	8.73728319	145.62138	0		0	41
Unknown				CAS #:			
18.506	73864	4.03167280	67.19454	0		0	41
Unknown Alkane				CAS #:			
18.912	556234	30.3606317	506.01052	0		0	41
Unknown				CAS #:			
19.080	87144	4.75655843	79.27597	0		0	41
Unknown				CAS #:			
19.942	112016	6.01942486	100.32374	0		0	64
Unknown Alkane				CAS #:			
20.676	597504	32.1081850	535.13641	0		0	64
Unknown				CAS #:			
20.805	101118	5.43379489	90.56324	0		0	64
Unknown Alkane				CAS #:			
21.677	442843	23.7971452	396.61908	0		0	64
Unknown Alkane				CAS #:			
22.342	642940	34.5498042	575.83006	0		0	64
Unknown				CAS #:			
22.491	76150	4.09209532	68.20158	0		0	64
Unknown				CAS #:			
23.404	90414	4.85858224	80.97637	0		0	64
Unknown				CAS #:			
23.692	112348	6.03728031	100.62133	0		0	64
Unknown Alkane				CAS #:			
23.900	575200	30.9096622	515.16103	0		0	64

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
24.595	329488	17.7057535	295.09589	0		0	64
Unknown				CAS #:			
24.982	107555	5.35948461	89.32474	0		0	87
Unknown				CAS #:			
25.261	364375	18.1568409	302.61401	0		0	87
Unknown Alkane				CAS #:			
25.381	528671	26.3437724	439.06287	0		0	87
Unknown Alkane				CAS #:			
25.420	535631	26.6905736	444.84289	0		0	87
Unknown				CAS #:			
26.424	114693	5.71515851	95.25264	0		0	87
Unknown Alkane				CAS #:			
26.713	437375	21.7944827	363.24137	0		0	87
Unknown Alkane				CAS #:			
26.792	272992	13.6032142	226.72023	0		0	87
Unknown				CAS #:			
27.579	96260	4.79663162	79.94386	0		0	87
Unknown Alkane				CAS #:			
27.897	403035	20.0832898	334.72149	0		0	87
Unknown				CAS #:			
28.504	110413	5.50189404	91.69823	0		0	87
Unknown Alkane				CAS #:			
28.973	326257	16.2574437	270.95739	0		0	87
Unknown Alkane				CAS #:			
29.959	365832	18.2294589	303.82431	0		0	87
Unknown				CAS #:			
30.508	99305	4.94836146	82.47269	0		0	87
Unknown				CAS #:			
30.748	315065	18.3065910	305.10985	0		0	99

Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Report Date: 07-Feb-2006 08:22

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
30.887	292280	16.9827154	283.04525	0		0	99
Unknown Alkane				CAS #:			
31.746	317002	18.4191625	306.98604	0		0	99
Unknown				CAS #:			
32.484	180479	10.4865754	174.77625	0		0	99
Unknown Alkane				CAS #:			
32.604	251780	14.6295009	243.82501	0		0	99
Unknown Alkane				CAS #:			
33.570	322378	18.7315099	312.19183	0		0	99
Unknown Alkane				CAS #:			
34.693	242281	14.0775656	234.62609	0		0	99
Unknown Alkane				CAS #:			
36.022	220832	12.8312600	213.85433	0		0	99
Unknown Alkane				CAS #:			
39.506	165481	15.8160033	263.60005	0		0	105
Unknown				CAS #:			
47.400	1135247	108.502285	1808.37141	0		0	105

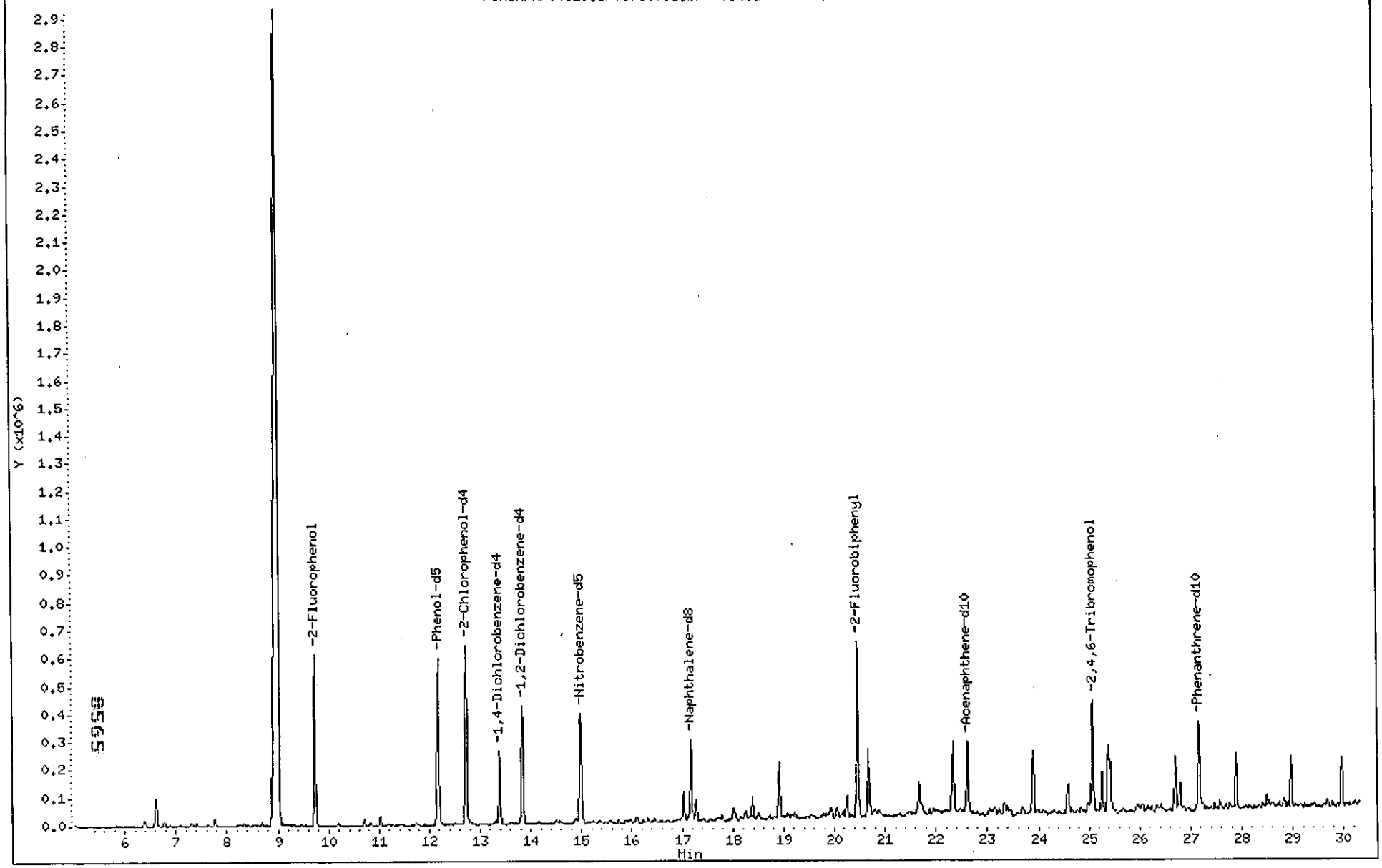
Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Date : 07-FEB-2006 01:05
Client ID: 6014-
Sample Info: 6014-;4692567;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

JMG 02/07/06

/chem/HP04629.i/06feb06a.b/hb064.d (Part 1 of 2)



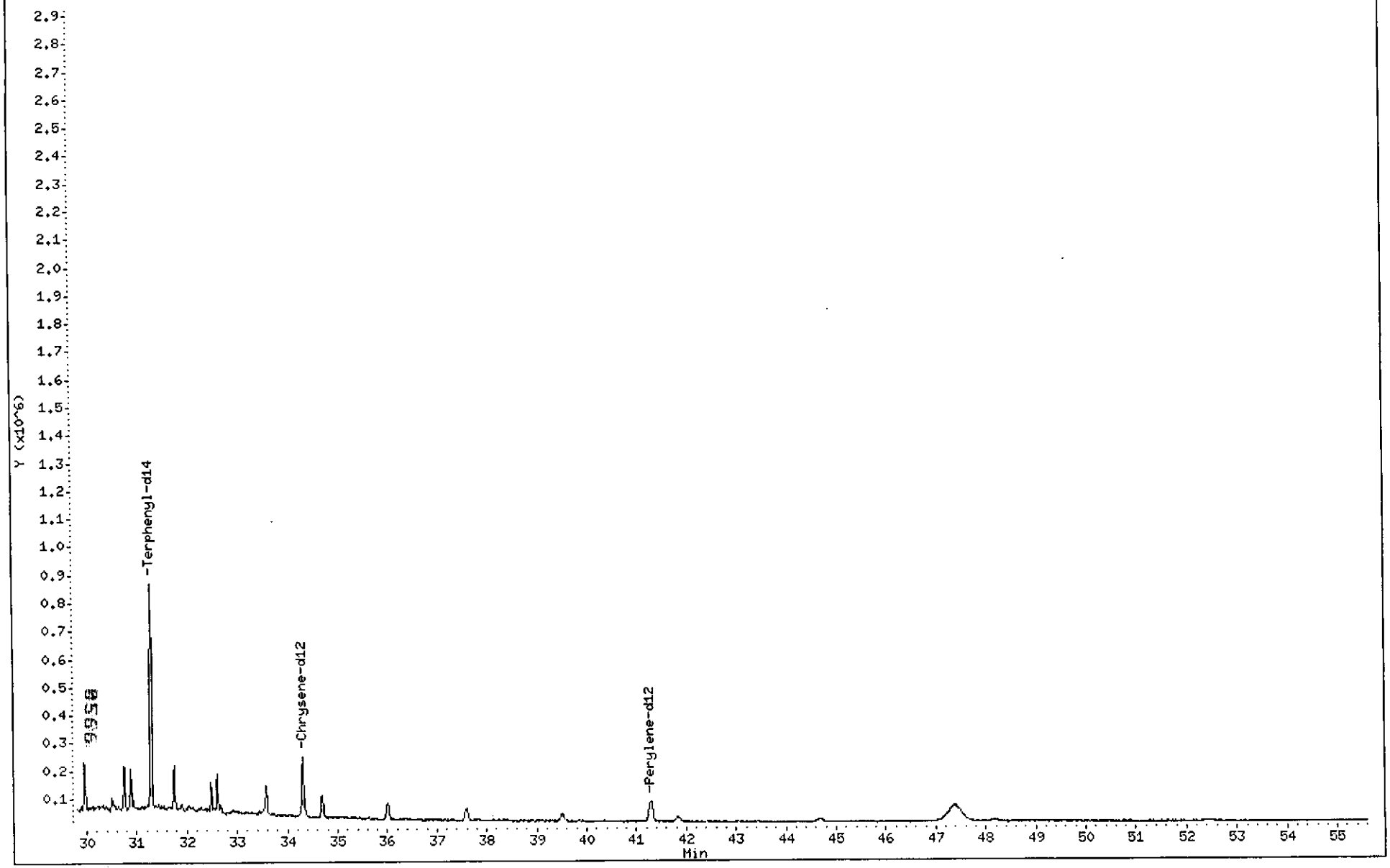
Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Date : 07-FEB-2006 01:05
Client ID: 6014-
Sample Info: 6014-;4692567;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

JMB 02/07/06

/chem/HP04629.i/06feb06a.b/hb064.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

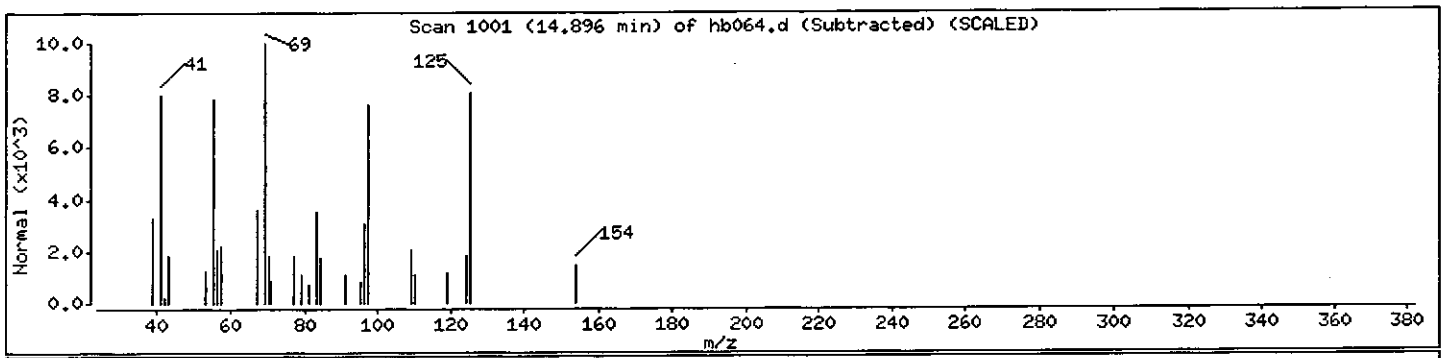
Volume Injected (uL): 2.0

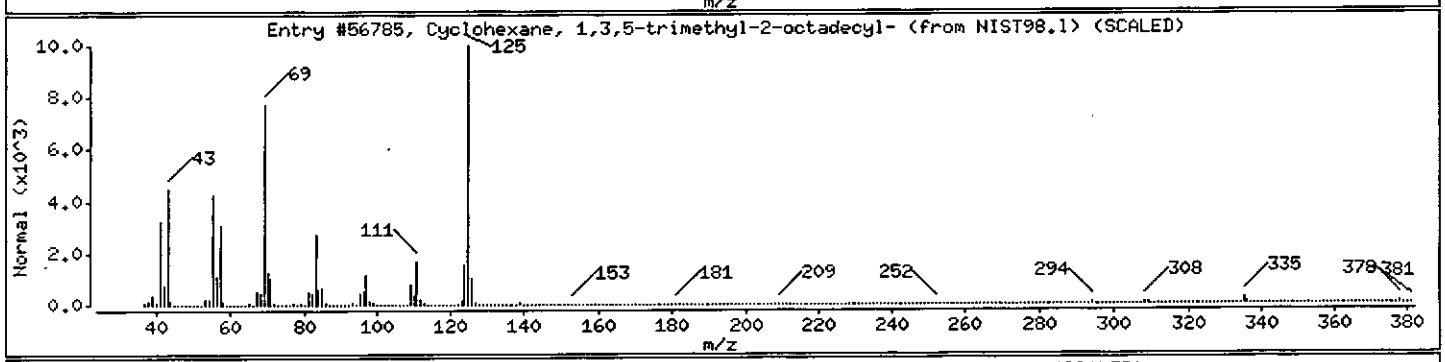
Operator: lmh00956

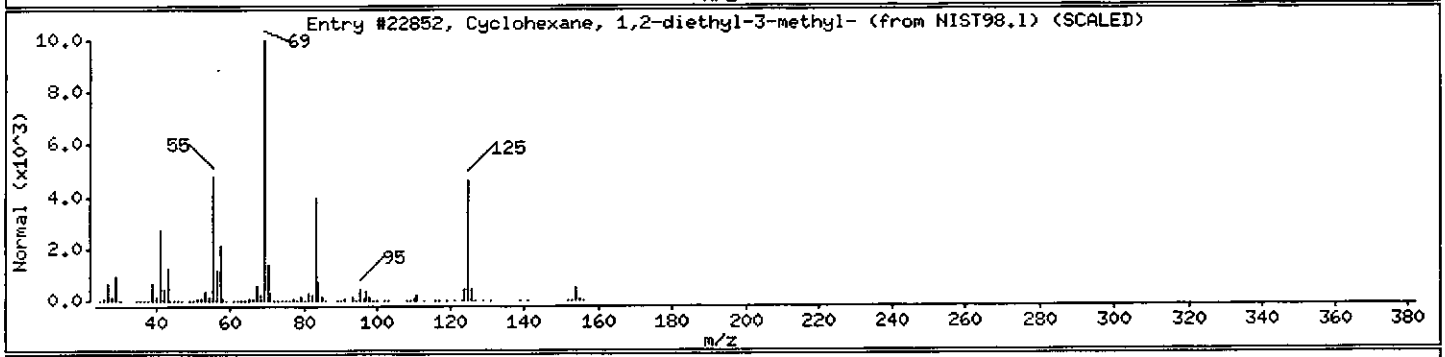
Column phase: J&W DB-5.625

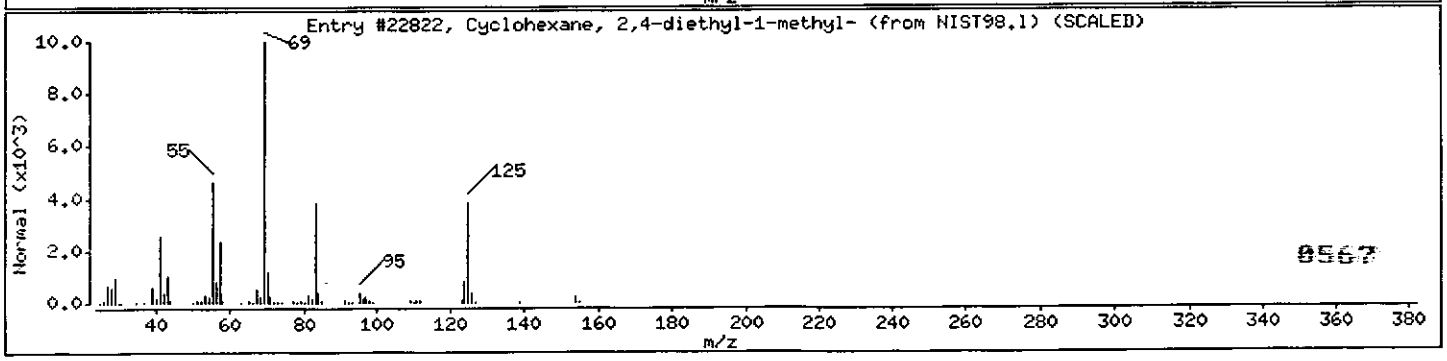
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,3,5-trimethyl-2-octadecyl	55282-34-3	NIST98.1	56785	47	C27H54	378
Cyclohexane, 1,2-diethyl-3-methyl-	61141-80-8	NIST98.1	22852	46	C11H22	154
Cyclohexane, 2,4-diethyl-1-methyl-	61142-70-9	NIST98.1	22822	43	C11H22	154









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Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

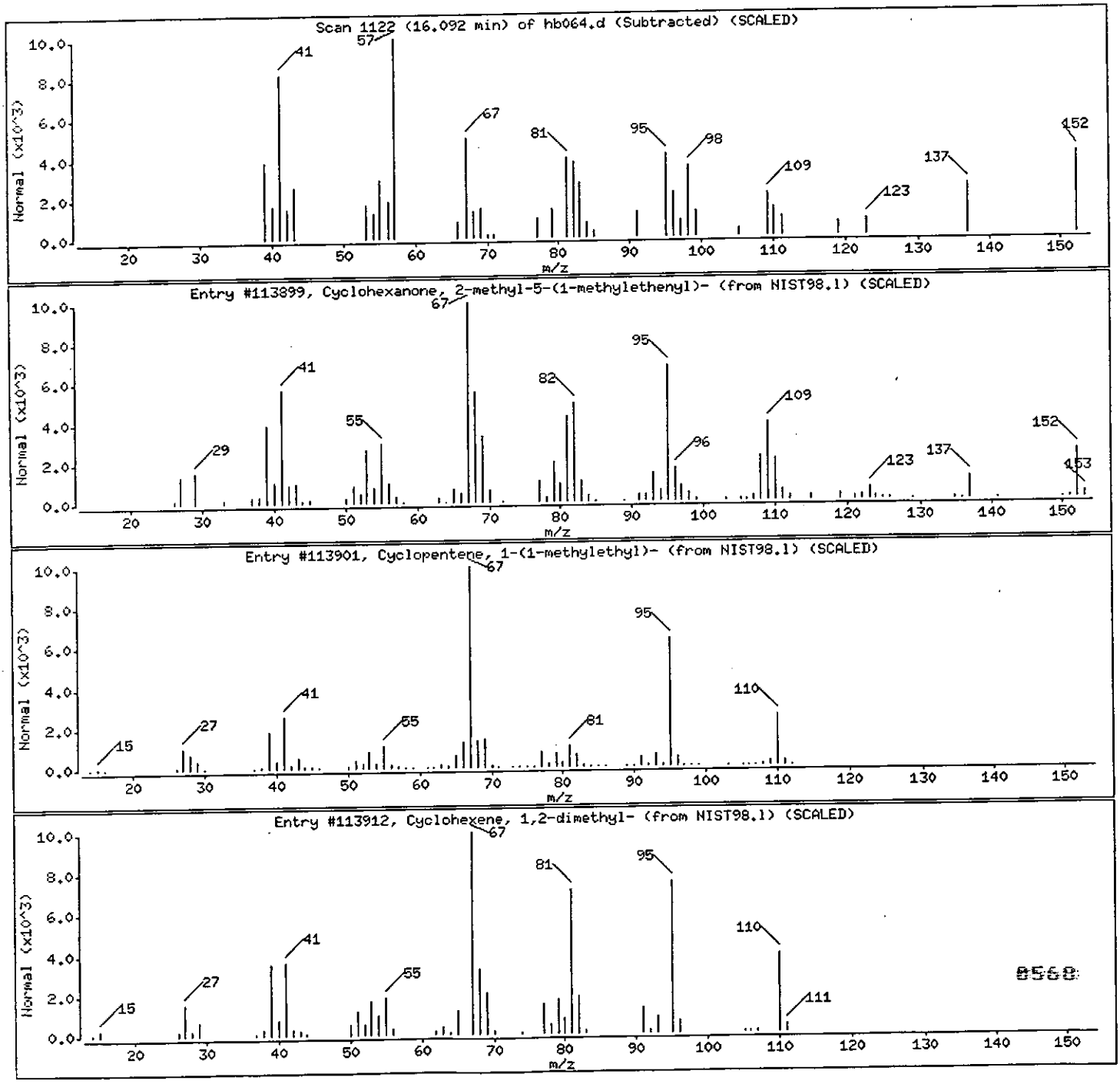
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexanone, 2-methyl-5-(1-methylethen	7764-50-3	NIST98.1	113899	62	C10H16O	152
Cyclopentene, 1-(1-methylethyl)-	1462-07-3	NIST98.1	113901	30	C8H14	110
Cyclohexene, 1,2-dimethyl-	1674-10-8	NIST98.1	113912	27	C8H14	110



8568

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

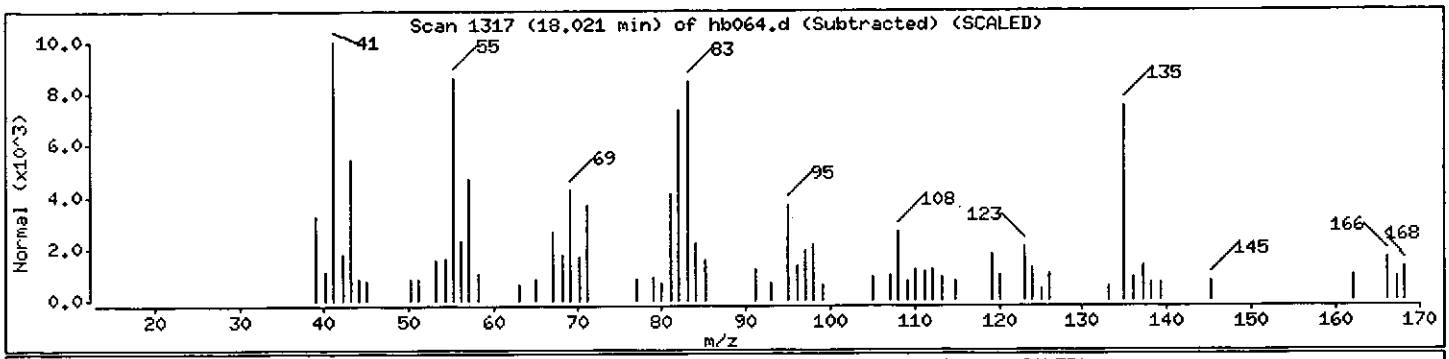
Volume Injected (uL): 2.0

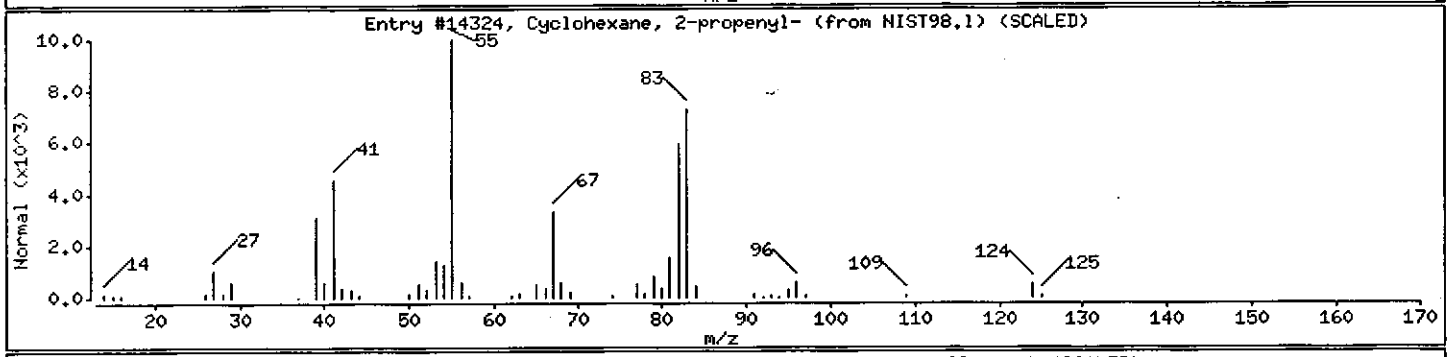
Operator: lmh00956

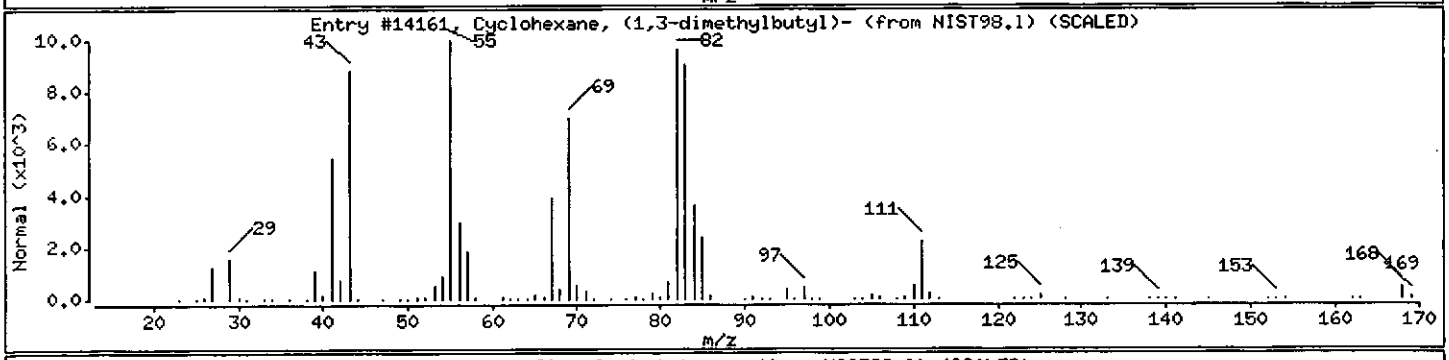
Column phase: J&W DB-5.625

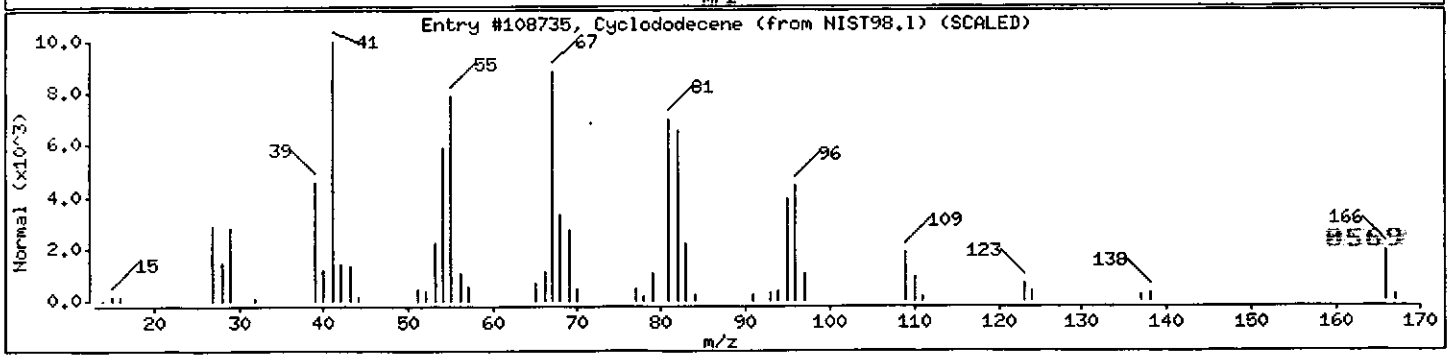
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 2-propenyl-	2114-42-3	NIST98.1	14324	38	C9H16	124
Cyclohexane, (1,3-dimethylbutyl)-	61142-19-6	NIST98.1	14161	38	C12H24	168
Cyclododecene	1501-82-2	NIST98.1	108735	25	C12H22	166









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

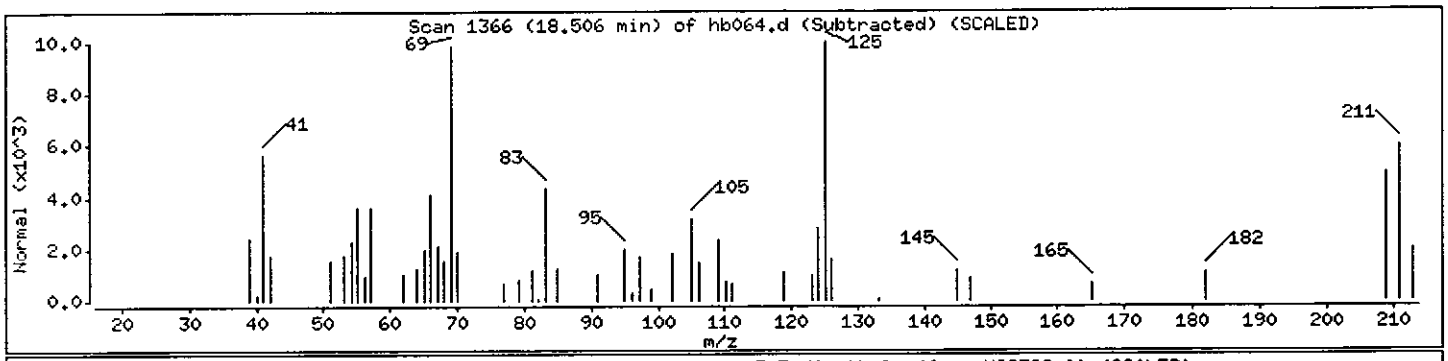
Volume Injected (uL): 2.0

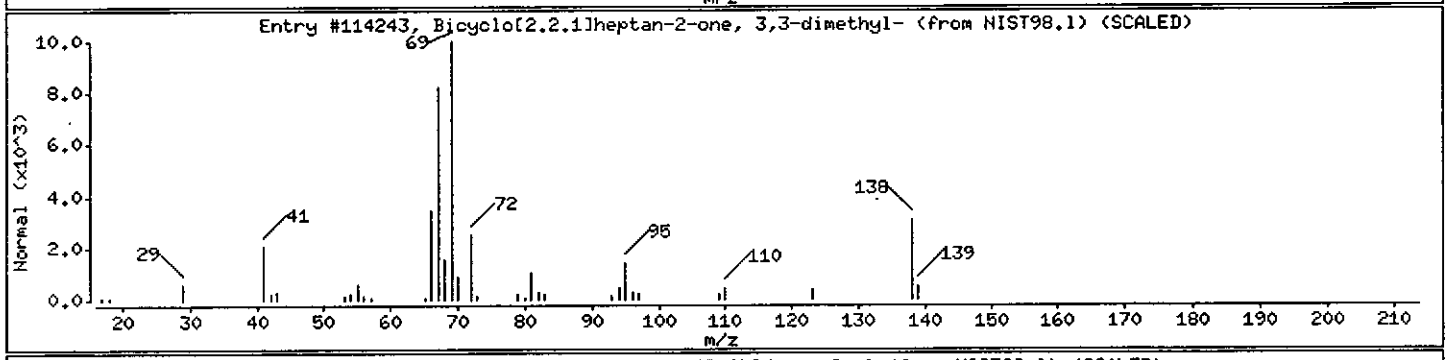
Operator: lmh00956

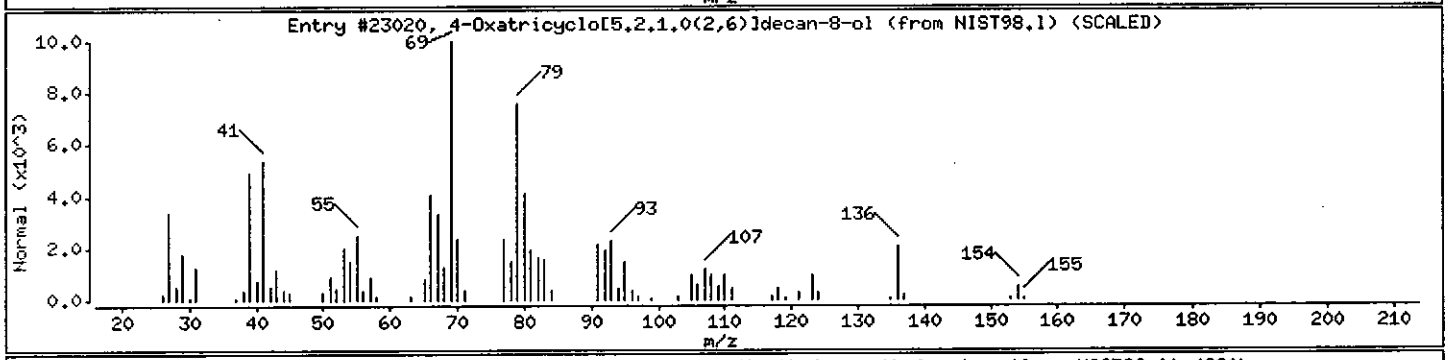
Column phase: J&W DB-5.625

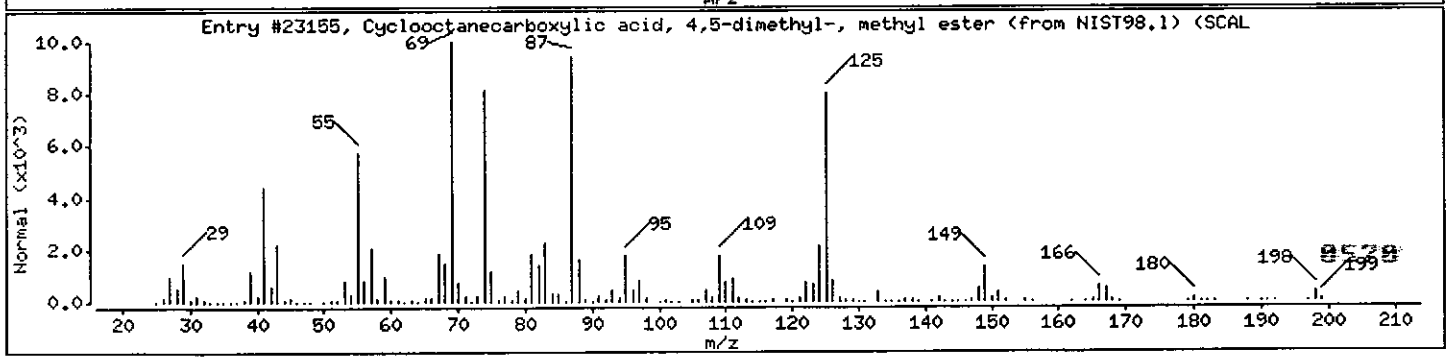
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[2.2.1]heptan-2-one, 3,3-dimethyl	13211-15-9	NIST98.1	114243	23	C9H14O	138
4-Oxatricyclo[5.2.1.0(2,6)]decan-8-ol	1000192-17-9	NIST98.1	23020	17	C9H14O2	154
Cyclooctanecarboxylic acid, 4,5-dimethyl	61141-73-9	NIST98.1	23155	16	C12H22O2	198









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

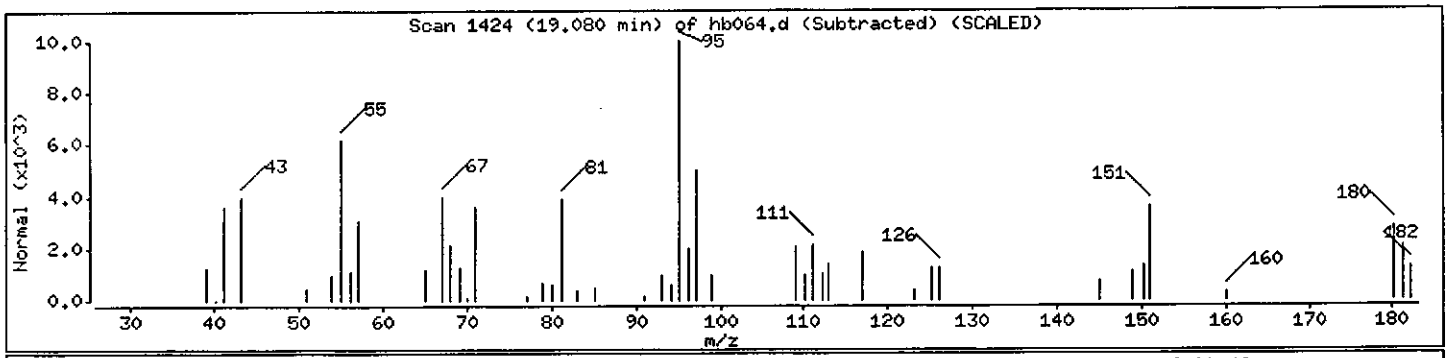
Volume Injected (uL): 2.0

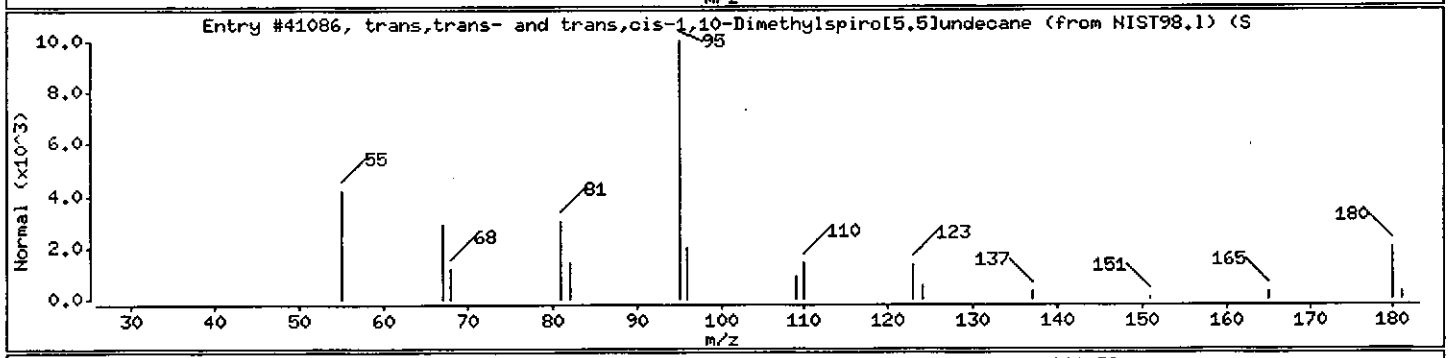
Operator: lmh00956

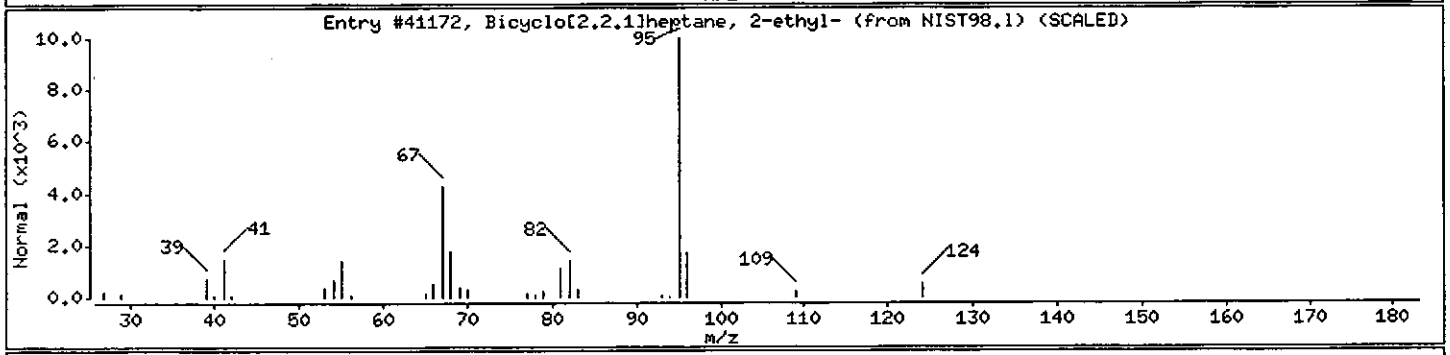
Column phase: J&W DB-5.625

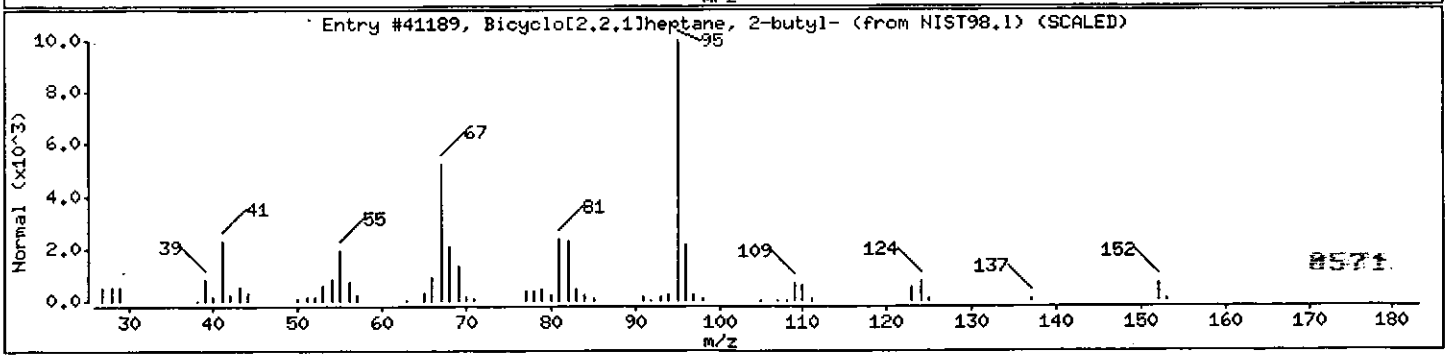
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
trans,trans- and trans,cis-1,10-Dimethyl	1000111-73-2	NIST98.1	41086	46	C13H24	180
Bicyclo[2.2.1]heptane, 2-ethyl-	2146-41-0	NIST98.1	41172	38	C9H16	124
Bicyclo[2.2.1]heptane, 2-butyl-	61177-16-0	NIST98.1	41189	38	C11H20	152









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Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

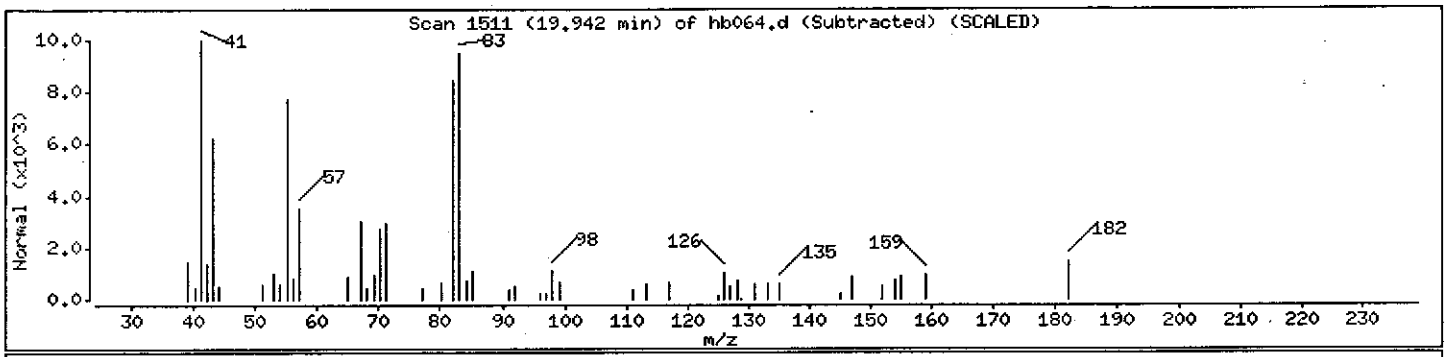
Volume Injected (uL): 2.0

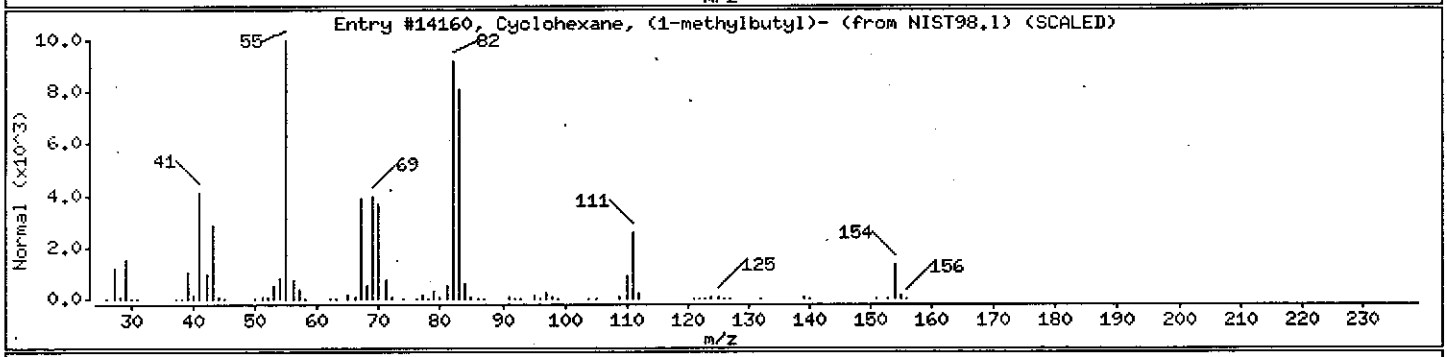
Operator: lmh00956

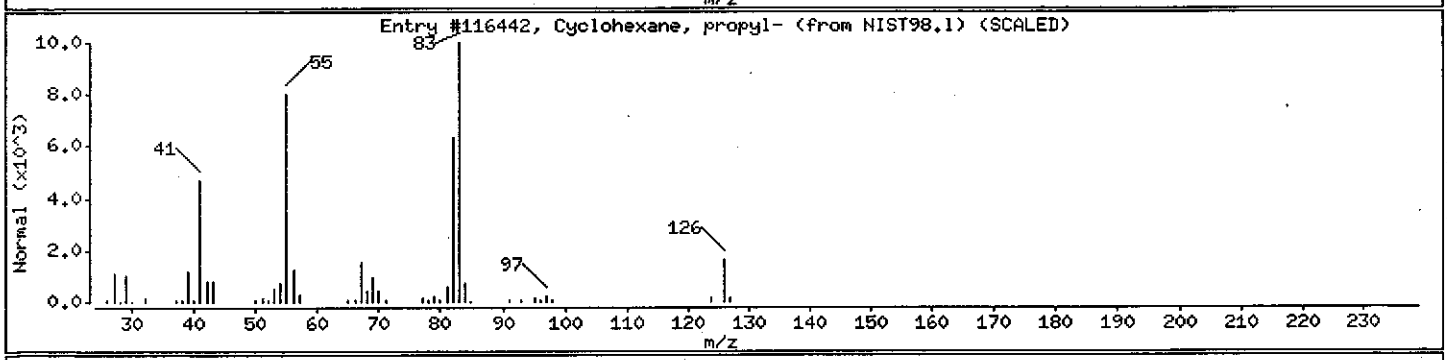
Column phase: J&W DB-5.625

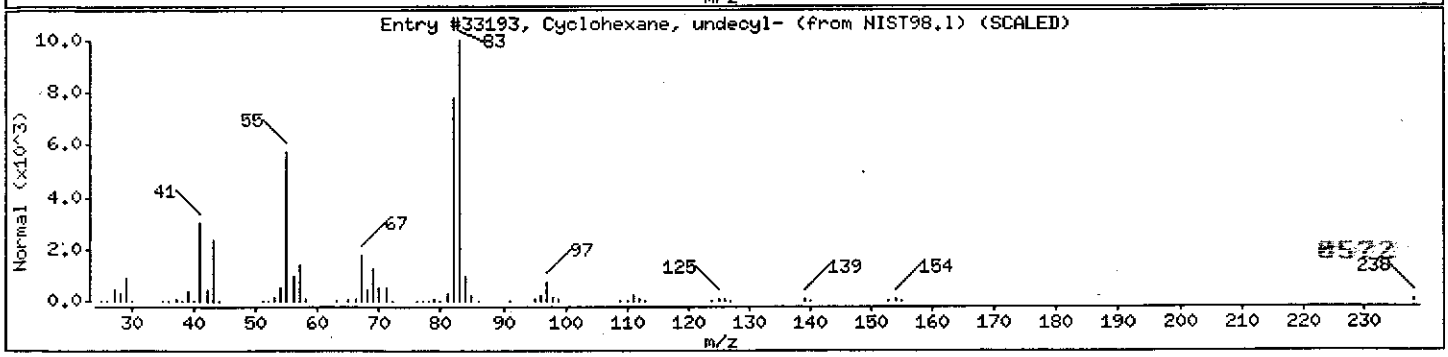
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (1-methylbutyl)-	61208-94-4	NIST98.1	14160	59	C11H22	154
Cyclohexane, propyl-	1678-92-8	NIST98.1	116442	50	C9H18	126
Cyclohexane, undecyl-	54105-66-7	NIST98.1	33193	50	C17H34	238









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

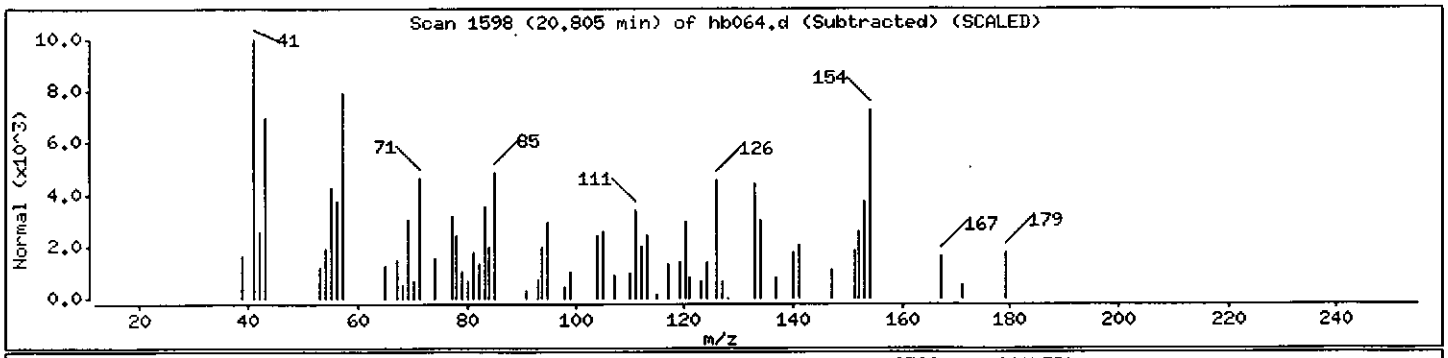
Volume Injected (uL): 2.0

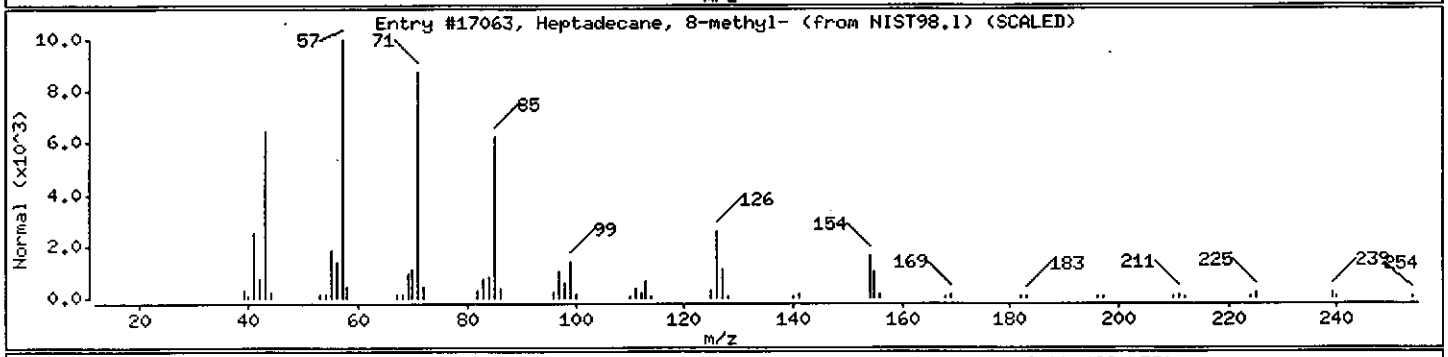
Operator: lmh00956

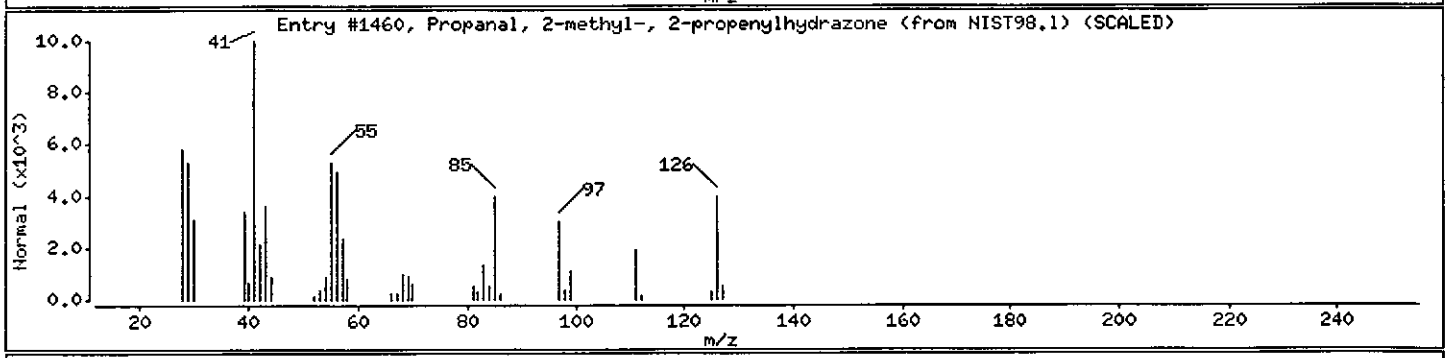
Column phase: J&W DB-5.625

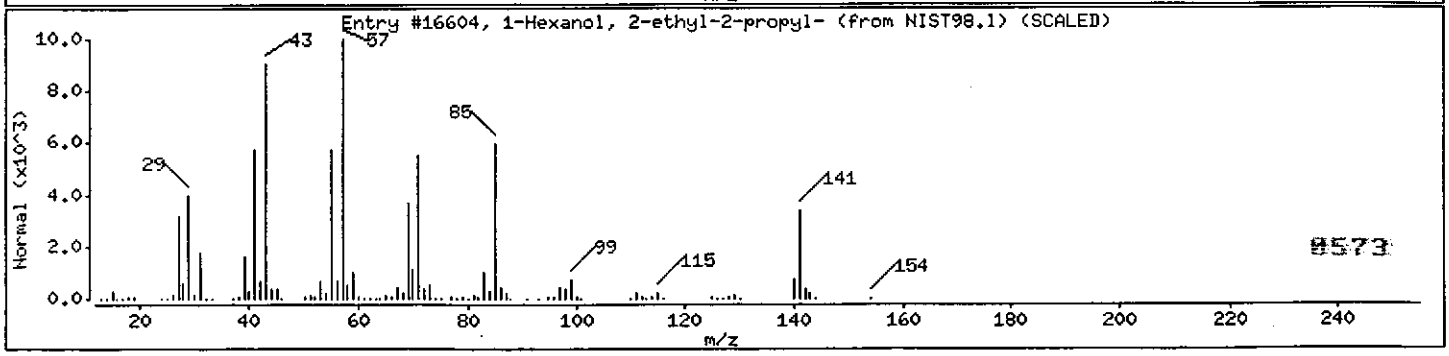
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptadecane, 8-methyl-	13287-23-5	NIST98.1	17063	12	C18H38	254
Propanal, 2-methyl-, 2-propenylhydrazone	66075-08-9	NIST98.1	1460	10	C7H14N2	126
1-Hexanol, 2-ethyl-2-propyl-	54461-00-6	NIST98.1	16604	10	C11H240	172









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

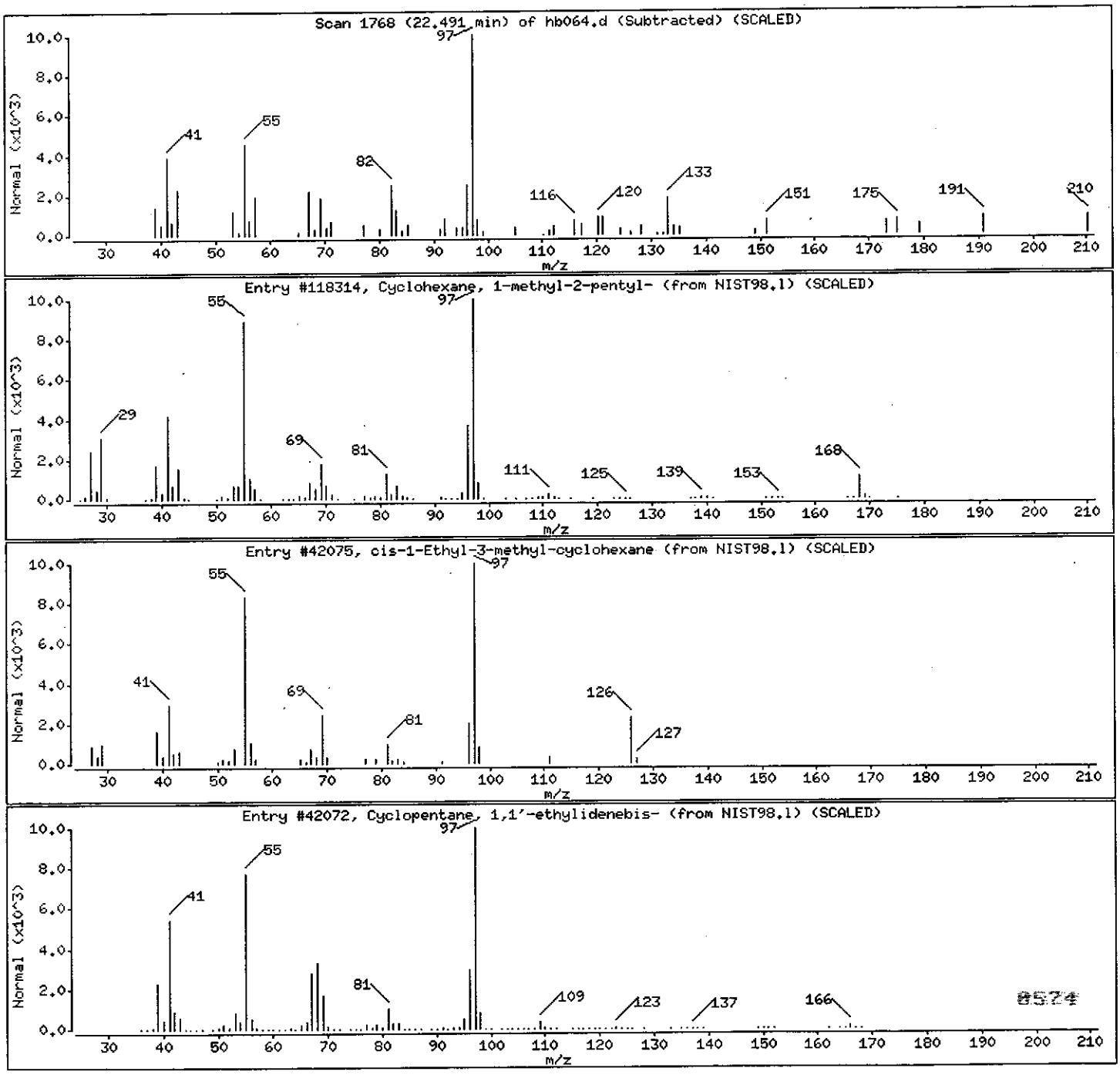
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1-methyl-2-pentyl-	54411-01-7	NIST98.1	118314	43	C12H24	168
cis-1-Ethyl-3-methyl-cyclohexane	19489-10-2	NIST98.1	42075	38	C9H18	126
Cyclopentane, 1,1'-ethylidenebis-	4413-21-2	NIST98.1	42072	38	C12H22	166



Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

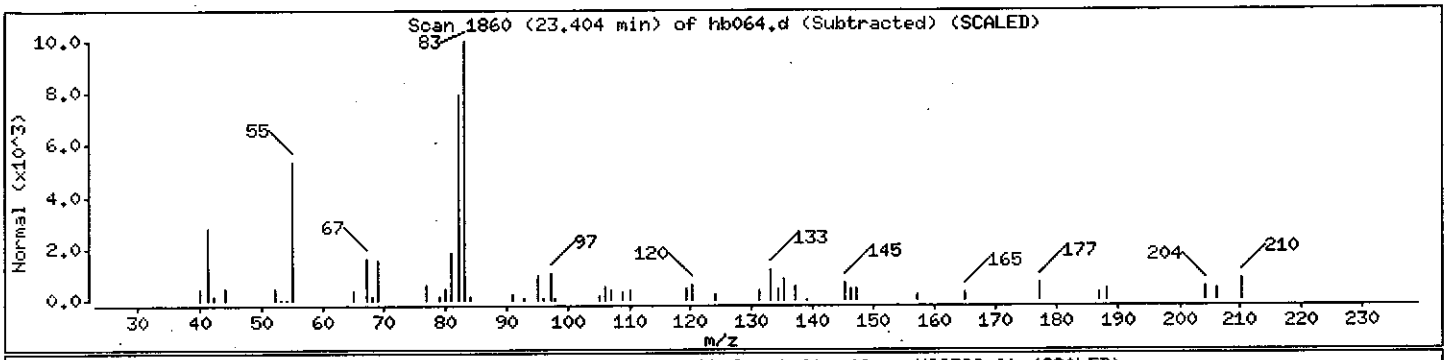
Volume Injected (uL): 2.0

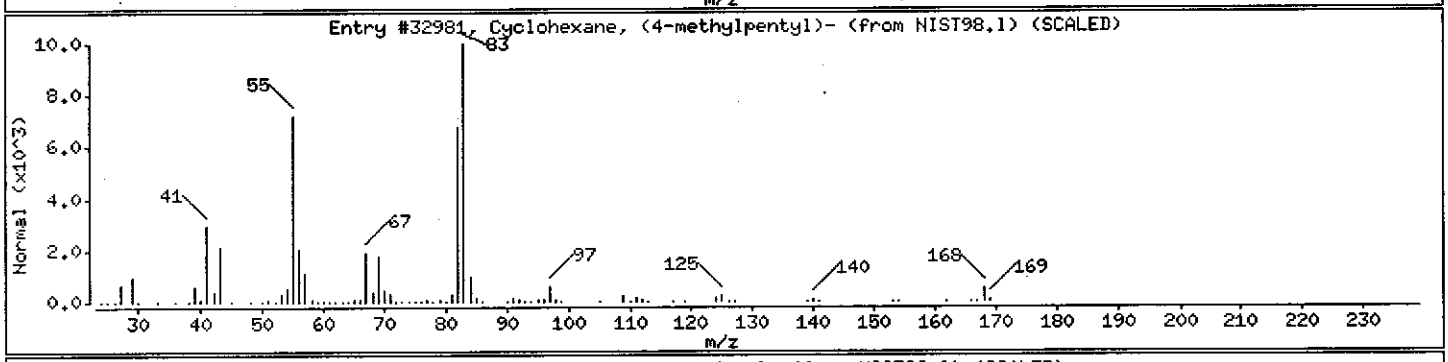
Operator: lmh00956

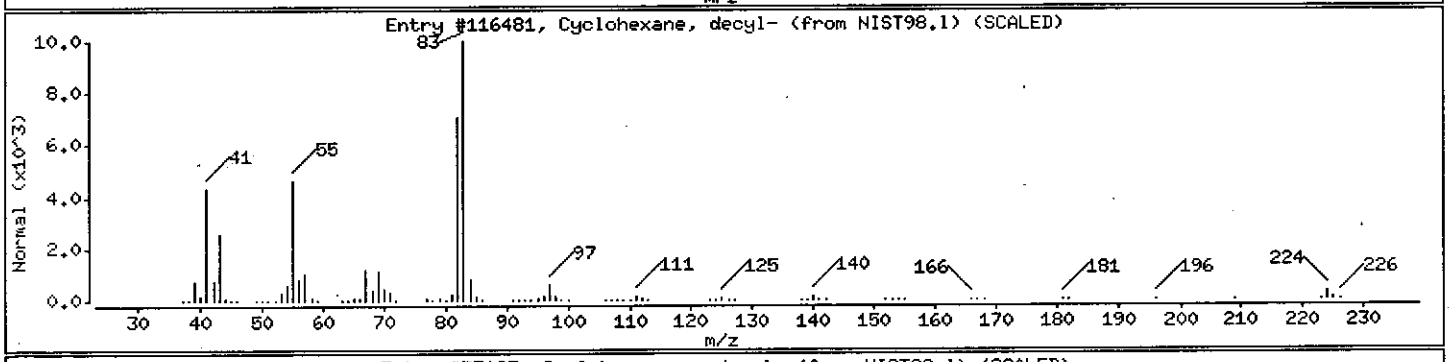
Column phase: J&W DB-5.625

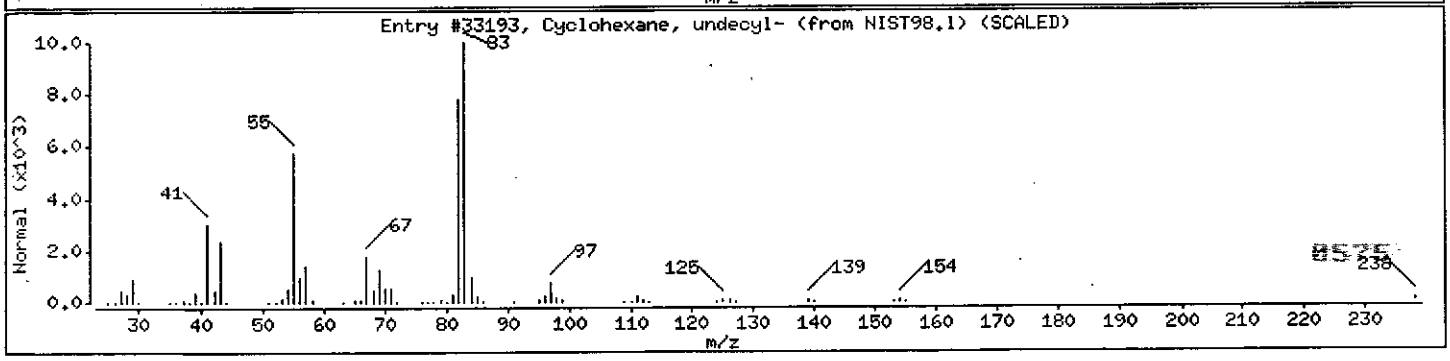
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (4-methylpentyl)-	61142-20-9	NIST98.1	32981	64	C12H24	168
Cyclohexane, decyl-	1795-16-0	NIST98.1	116481	64	C16H32	224
Cyclohexane, undecyl-	54105-66-7	NIST98.1	33193	64	C17H34	238









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

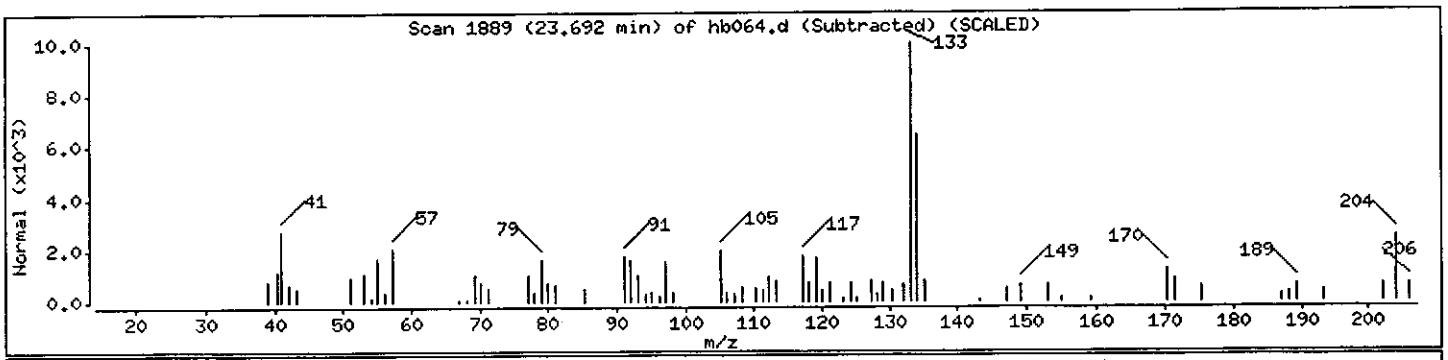
Volume Injected (uL): 2.0

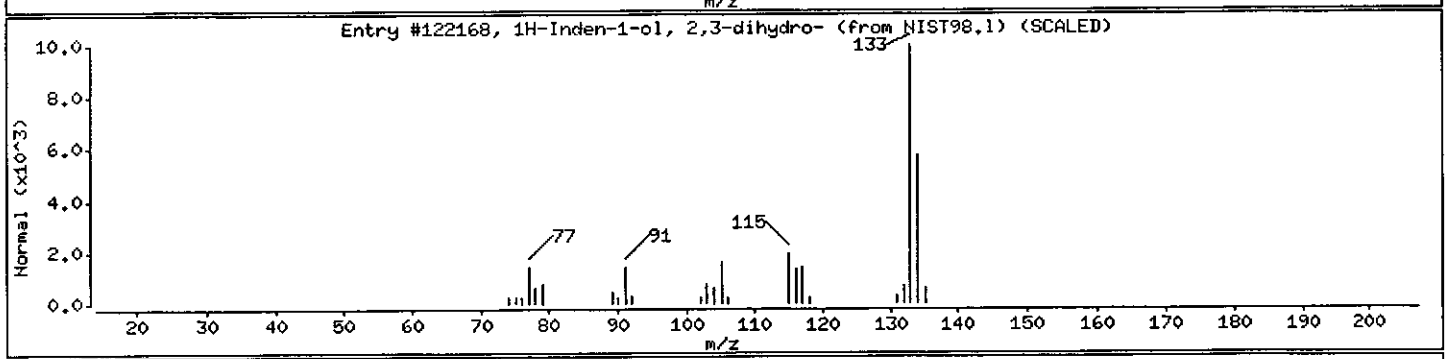
Operator: lmh00956

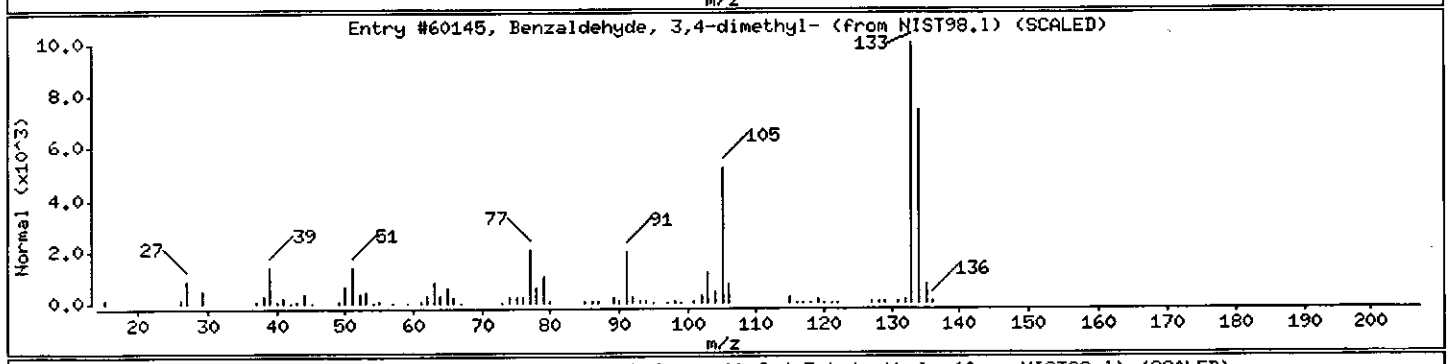
Column phase: J&W DB-5.625

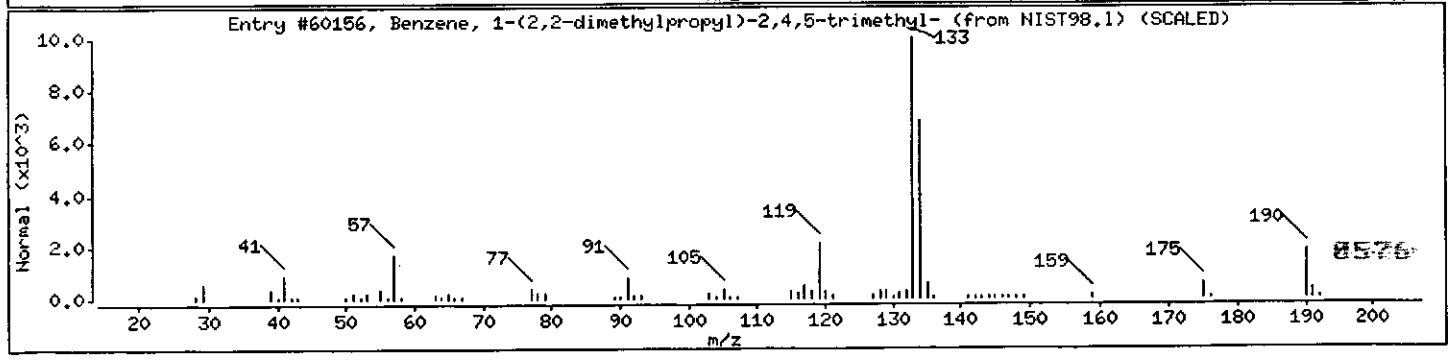
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Inden-1-ol, 2,3-dihydro-	6351-10-6	NIST98.1	122168	58	C9H10O	134
Benzaldehyde, 3,4-dimethyl-	5973-71-7	NIST98.1	60145	50	C9H10O	134
Benzene, 1-(2,2-dimethylpropyl)-2,4,5-tr	56666-87-6	NIST98.1	60156	50	C14H22	190









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

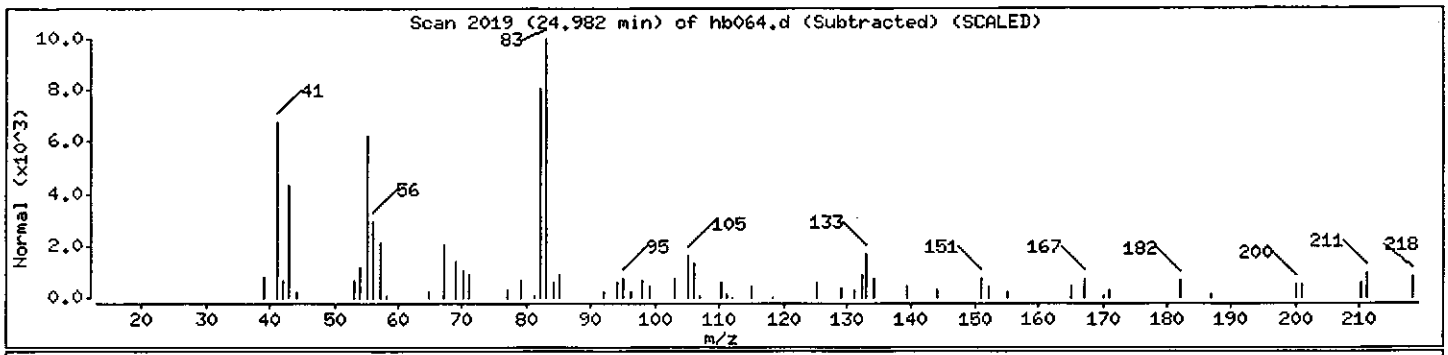
Volume Injected (uL): 2.0

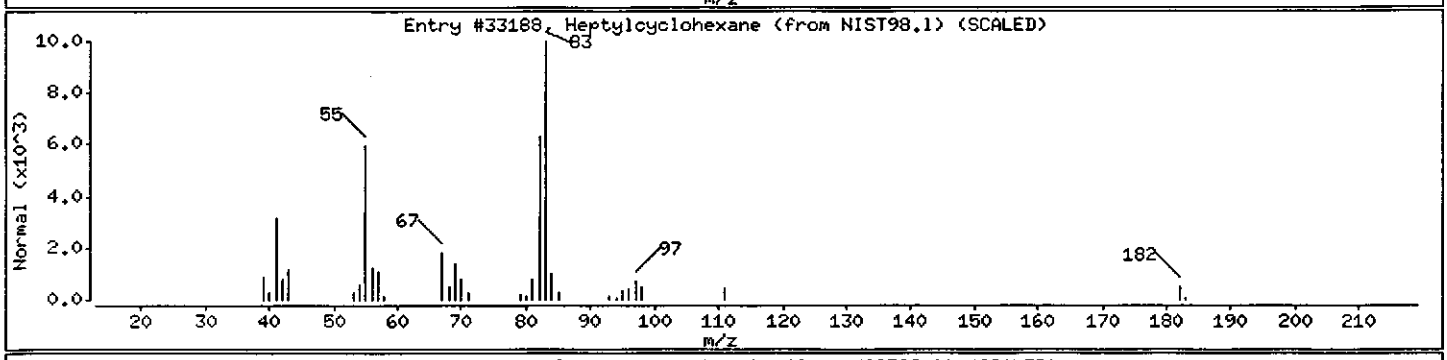
Operator: lmh00956

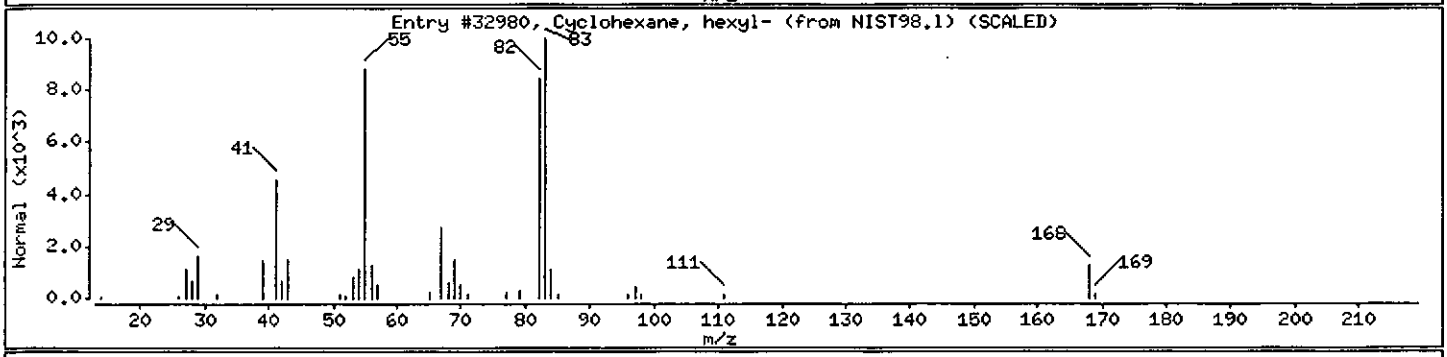
Column phase: J&W DB-5.625

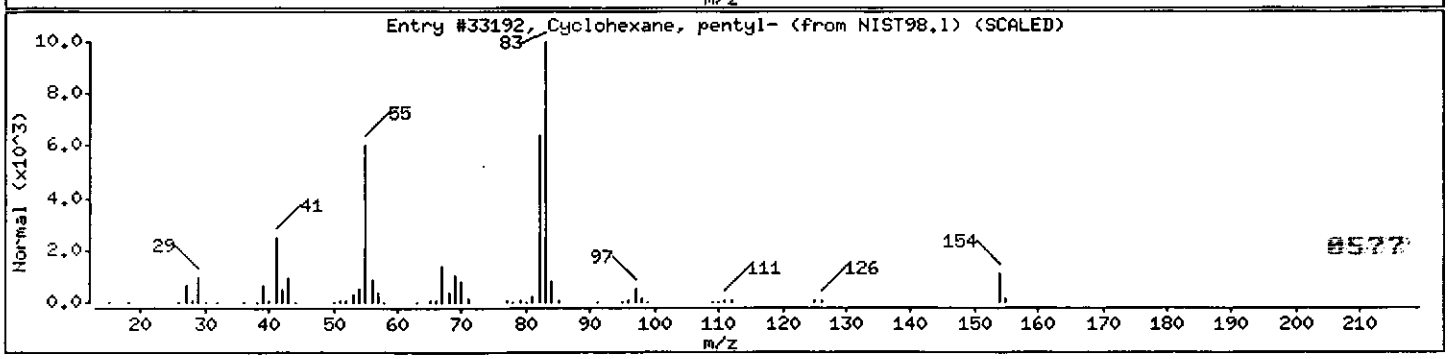
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptylcyclohexane	5617-41-4	NIST98.1	33188	64	C13H26	182
Cyclohexane, hexyl-	4292-75-5	NIST98.1	32980	59	C12H24	168
Cyclohexane, pentyl-	4292-92-6	NIST98.1	33192	59	C11H22	154









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

Volume Injected (uL): 2.0

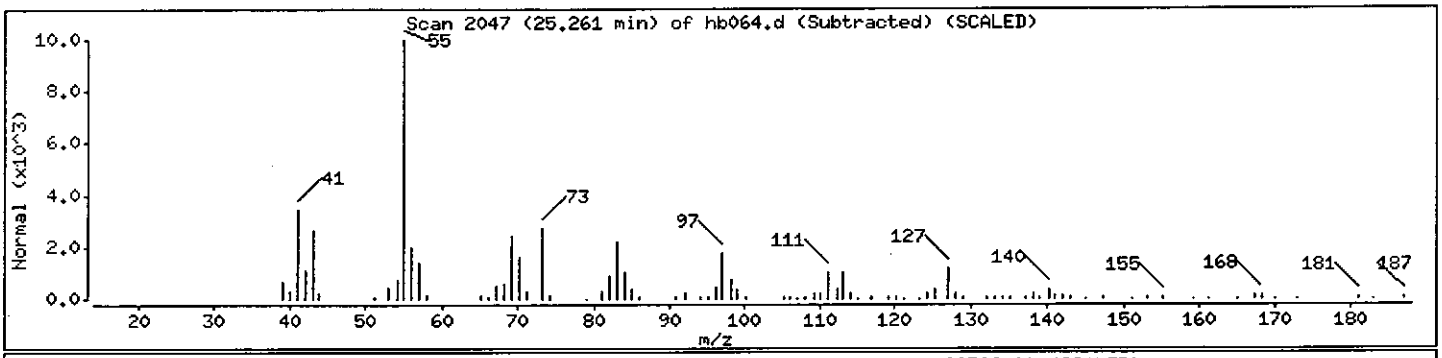
Operator: lmh00956

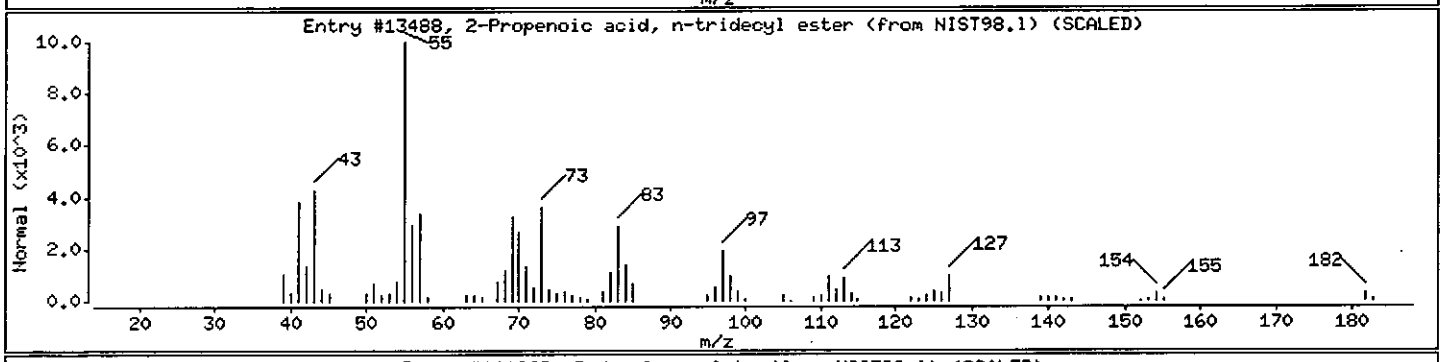
Column phase: J&W DB-5.625

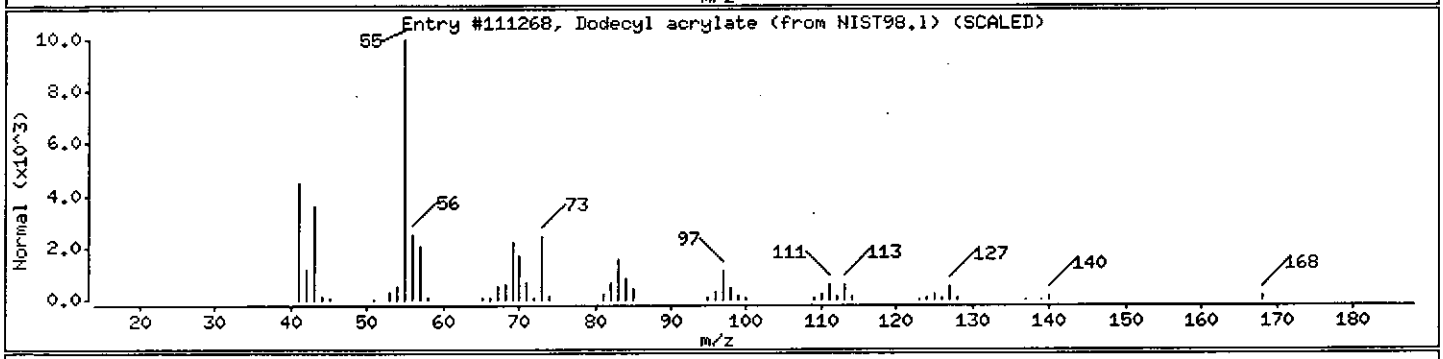
Column diameter: 0.25

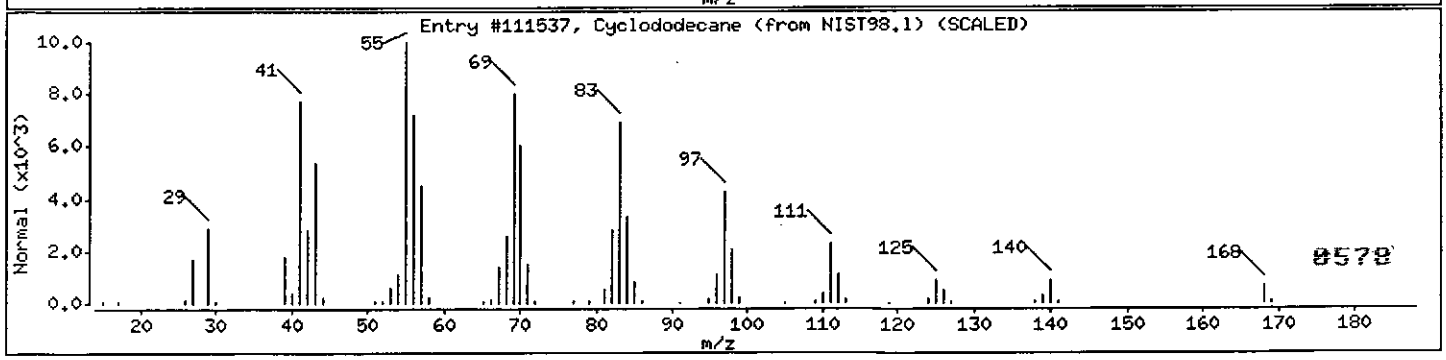
(B) MN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	74	C16H3002	254
Dodecyl acrylate	2156-97-0	NIST98.1	111268	64	C15H2802	240
Cyclododecane	294-62-2	NIST98.1	111537	55	C12H24	168









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

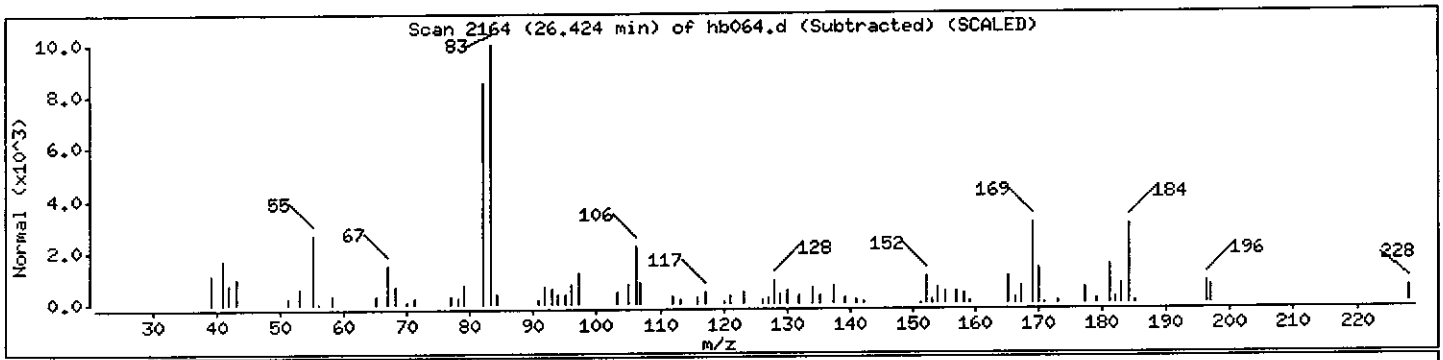
Volume Injected (uL): 2.0

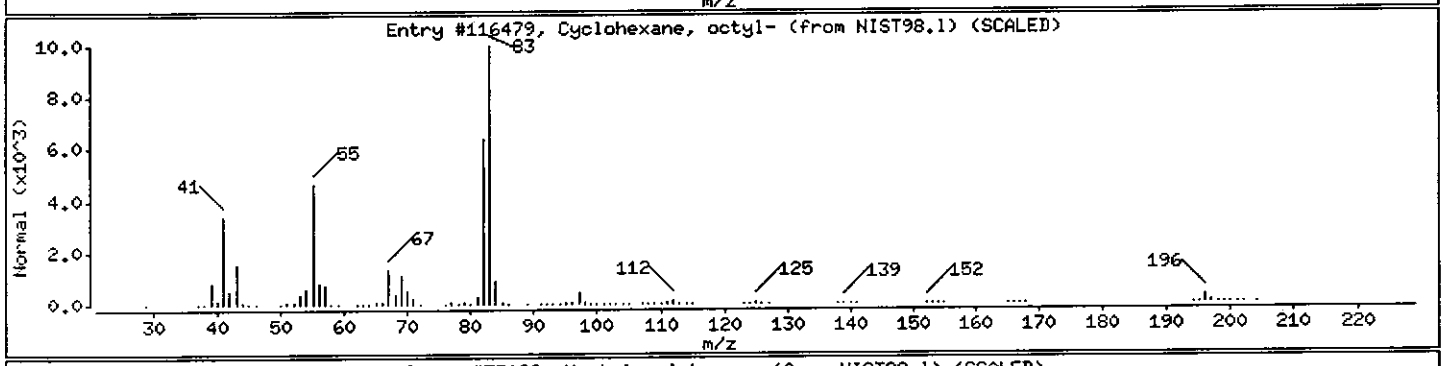
Operator: lmh00956

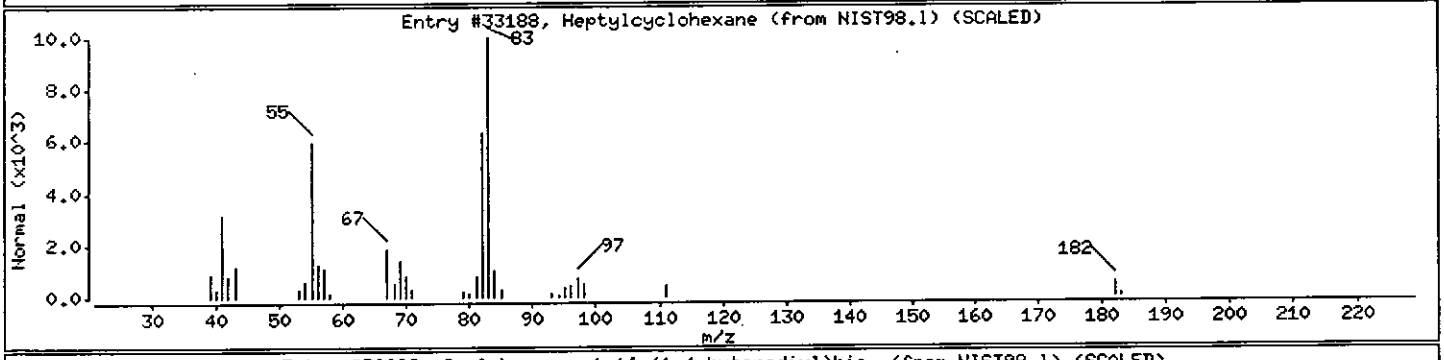
Column phase: J&W DB-5.625

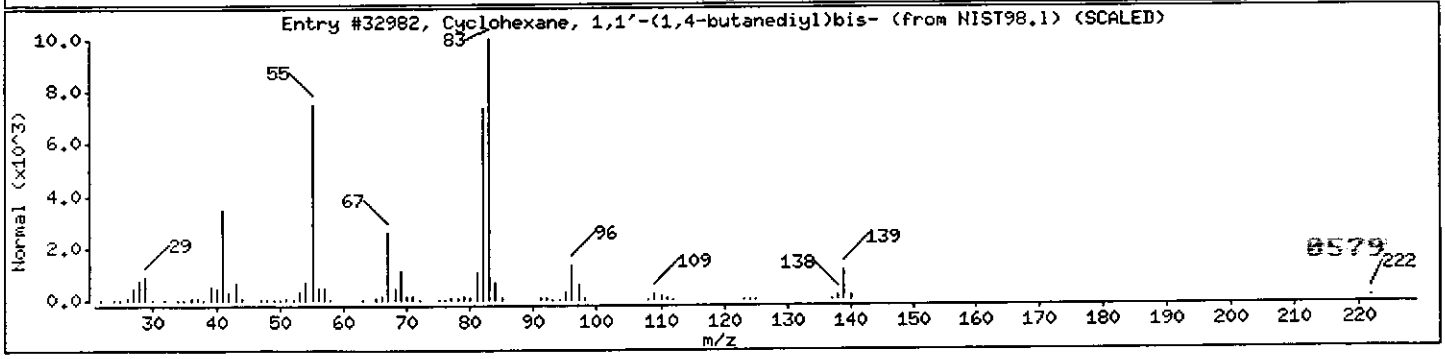
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, octyl-	1795-15-9	NIST98.1	116479	38	C14H28	196
Heptylcyclohexane	5617-41-4	NIST98.1	33188	38	C13H26	182
Cyclohexane, 1,1'-(1,4-butanediyl)bis-	6165-44-2	NIST98.1	32982	38	C16H30	222









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

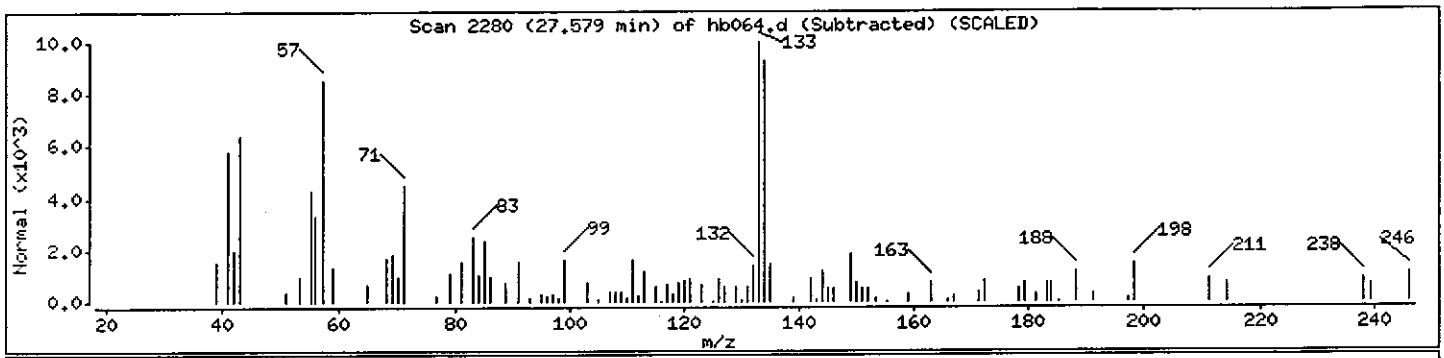
Volume Injected (uL): 2.0

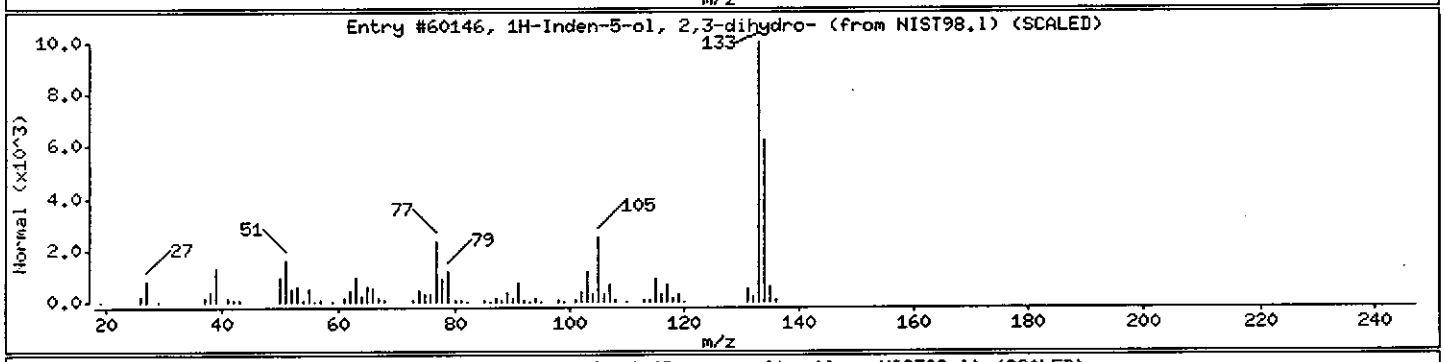
Operator: lmh00956

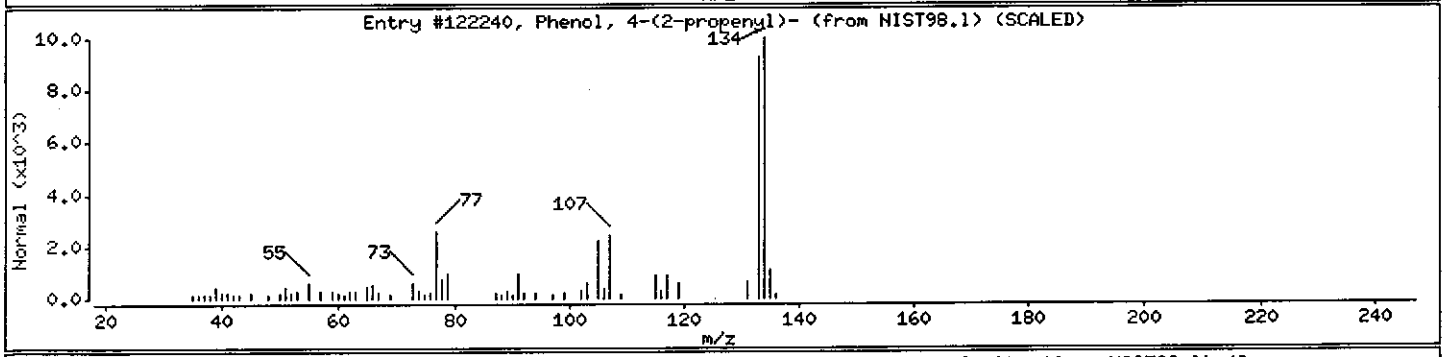
Column phase: J&W DB-5.625

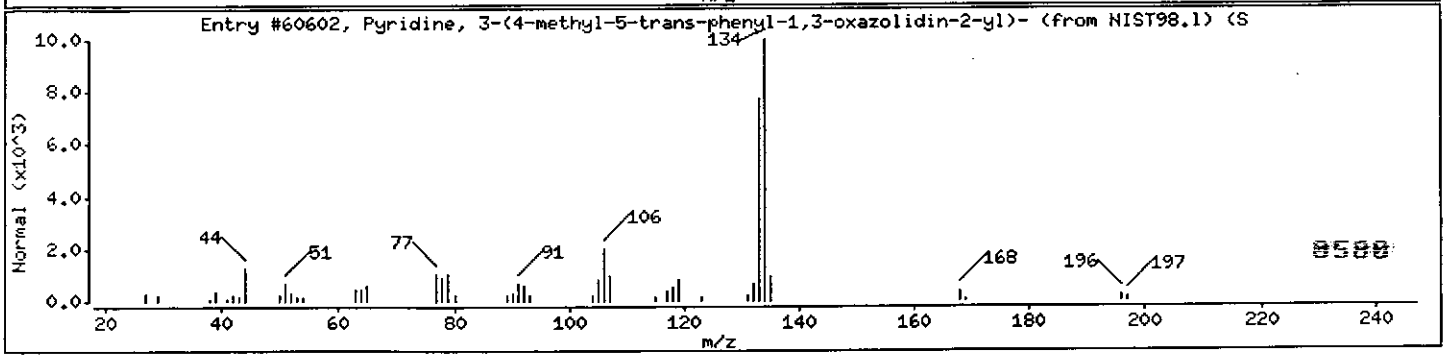
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Inden-5-ol, 2,3-dihydro-	1470-94-6	NIST98.1	60146	49	C9H10O	134
Phenol, 4-(2-propenyl)-	501-92-8	NIST98.1	122240	49	C9H10O	134
Pyridine, 3-(4-methyl-5-trans-phenyl-1,3	1000142-75-2	NIST98.1	60602	47	C15H16N2O	240









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

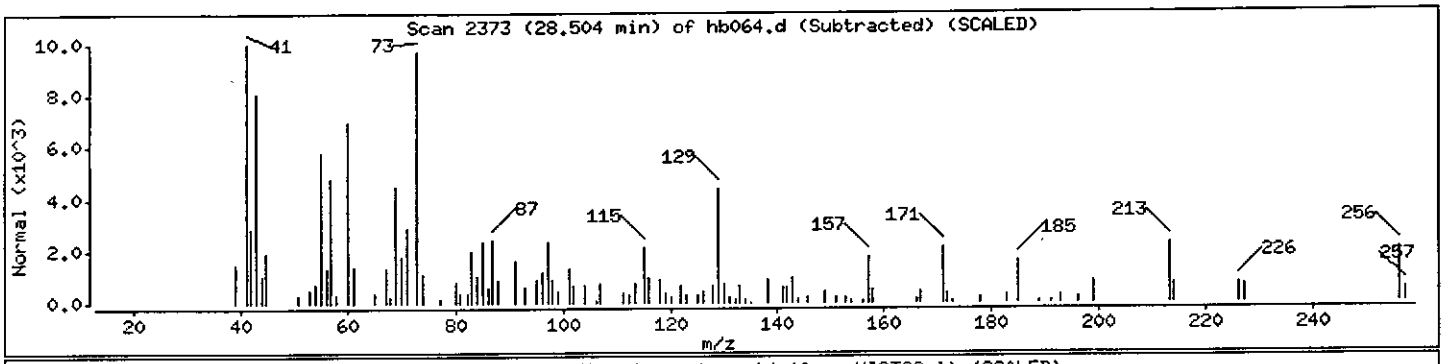
Volume Injected (uL): 2.0

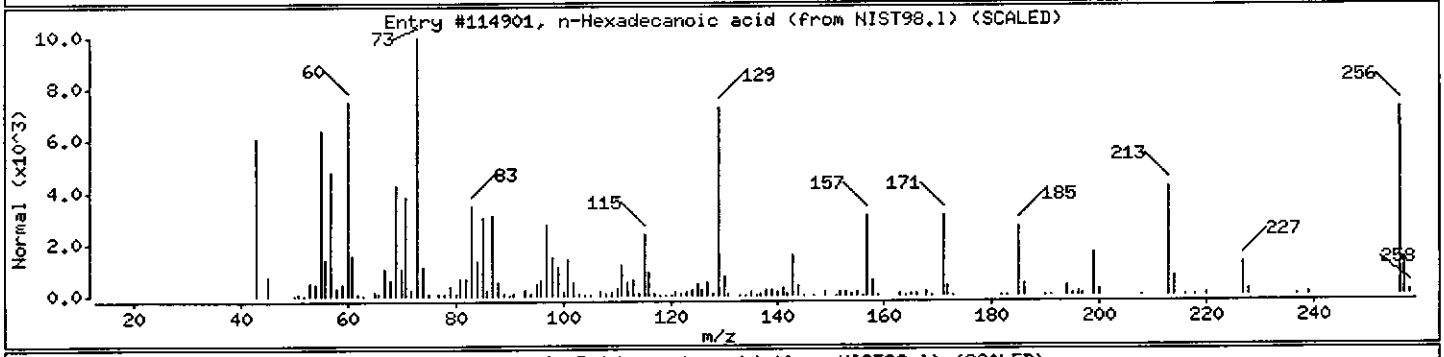
Operator: lmh00956

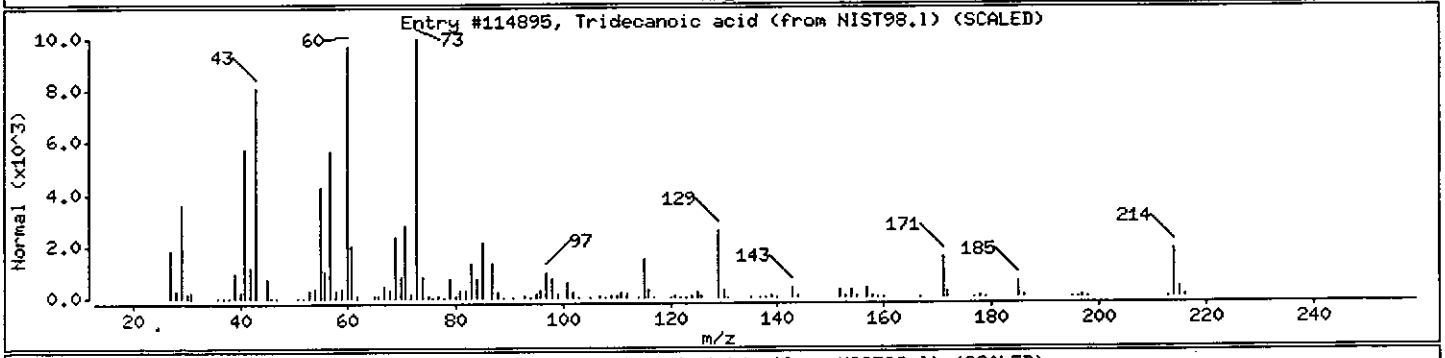
Column phase: J&W DB-5.625

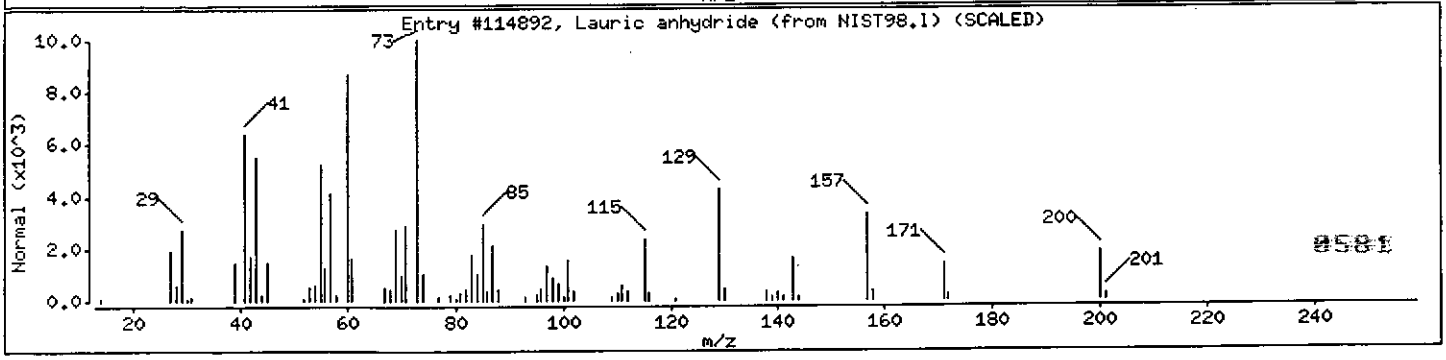
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Hexadecanoic acid	57-10-3	NIST98.1	114901	99	C16H3202	256
Tridecanoic acid	638-53-9	NIST98.1	114895	95	C13H2602	214
Lauric anhydride	645-66-9	NIST98.1	114892	58	C24H4603	382









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

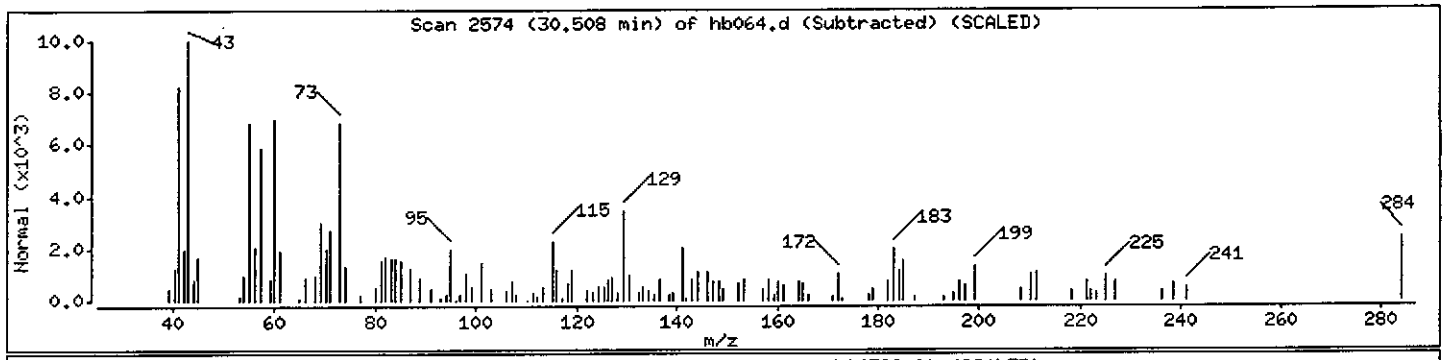
Volume Injected (uL): 2.0

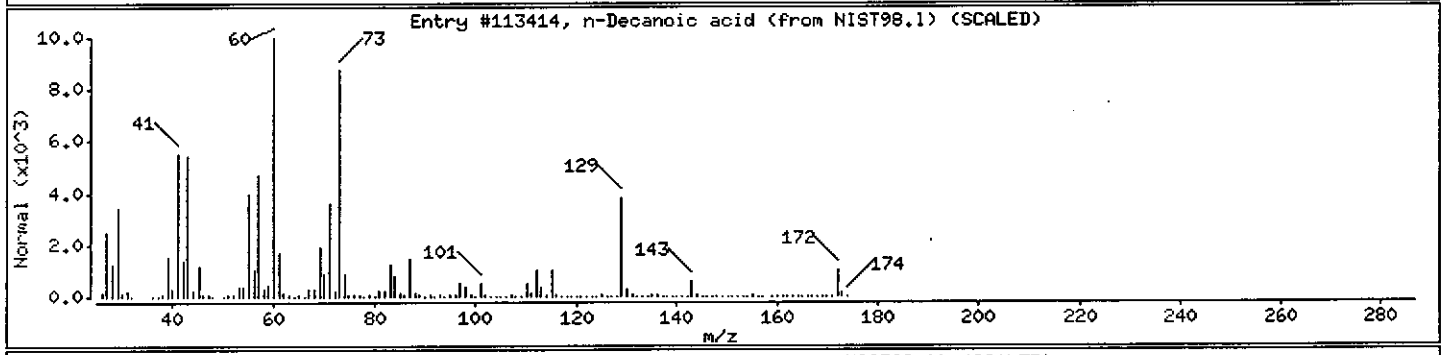
Operator: lmh00956

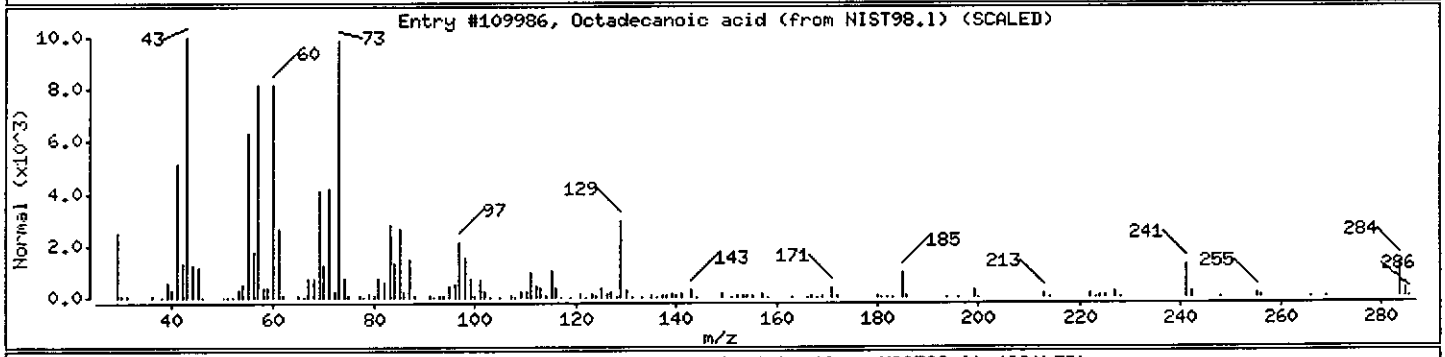
Column phase: J&W DB-5.625

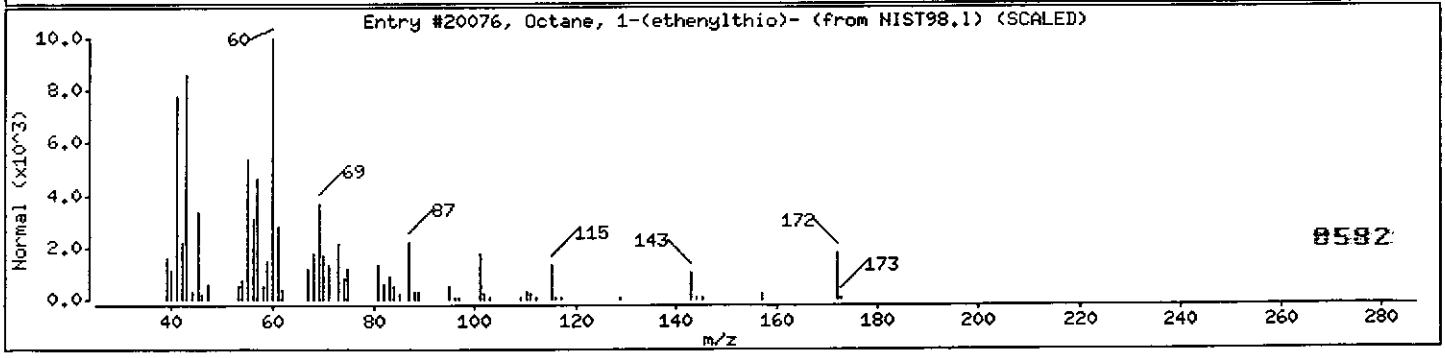
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Decanoic acid	334-48-5	NIST98.1	113414	42	C10H20O2	172
Octadecanoic acid	57-11-4	NIST98.1	109986	41	C18H36O2	284
Octane, 1-(ethenylthio)-	42779-08-8	NIST98.1	20076	38	C10H20S	172









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

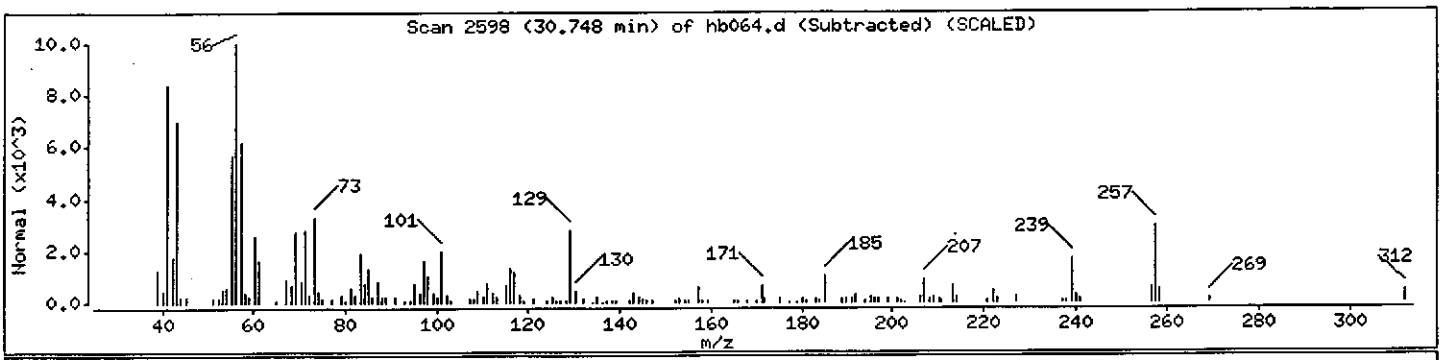
Volume Injected (uL): 2.0

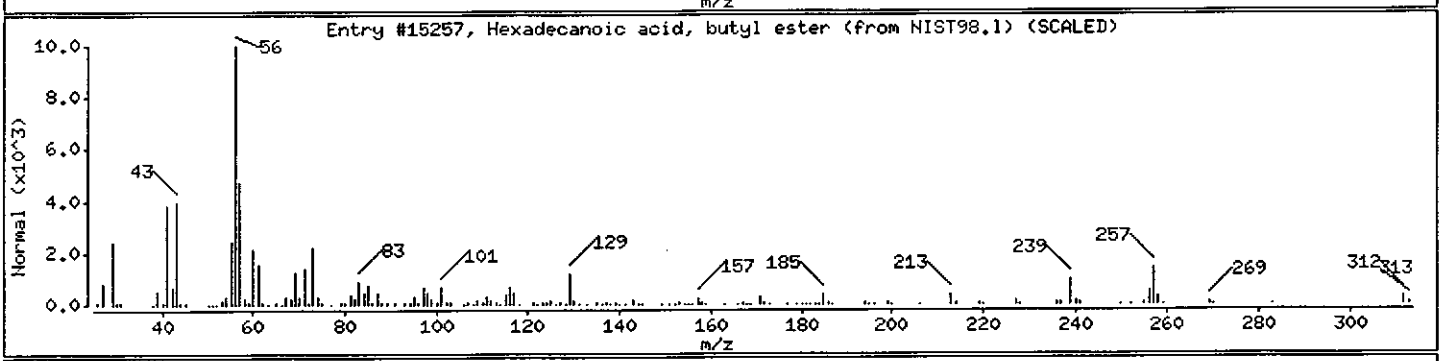
Operator: lmh00956

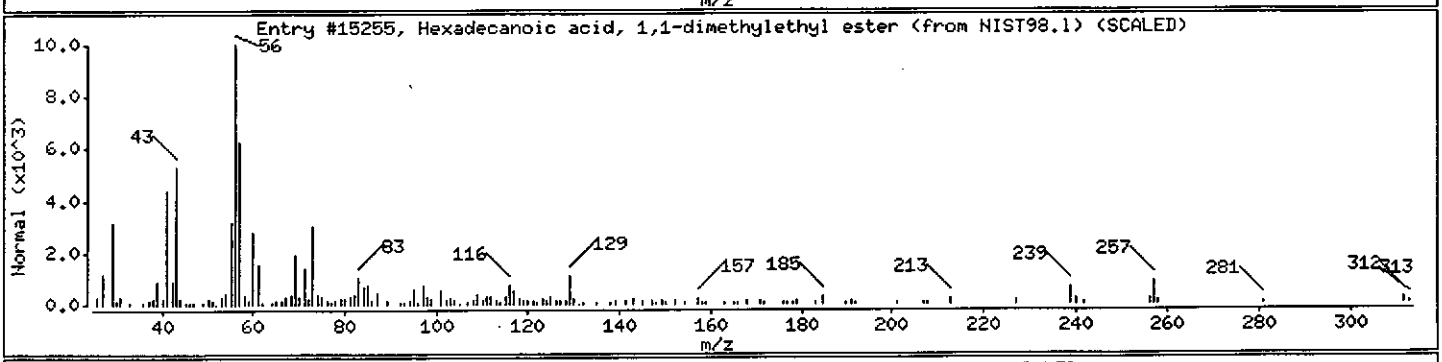
Column phase: J&W DB-5.625

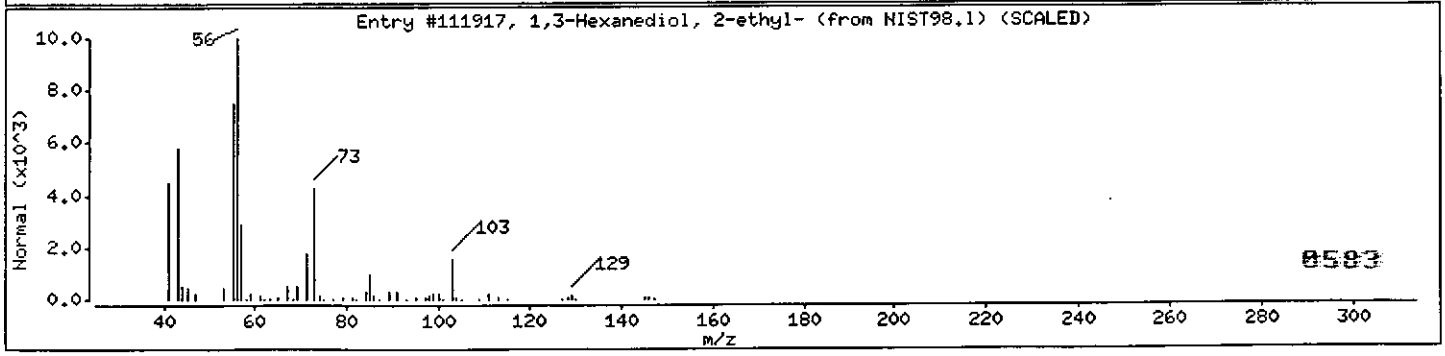
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	95	C20H4002	312
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	93	C20H4002	312
1,3-Hexanediol, 2-ethyl-	94-96-2	NIST98.1	111917	43	C8H1802	146









0593

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Sample Info: 6014-;4692567;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

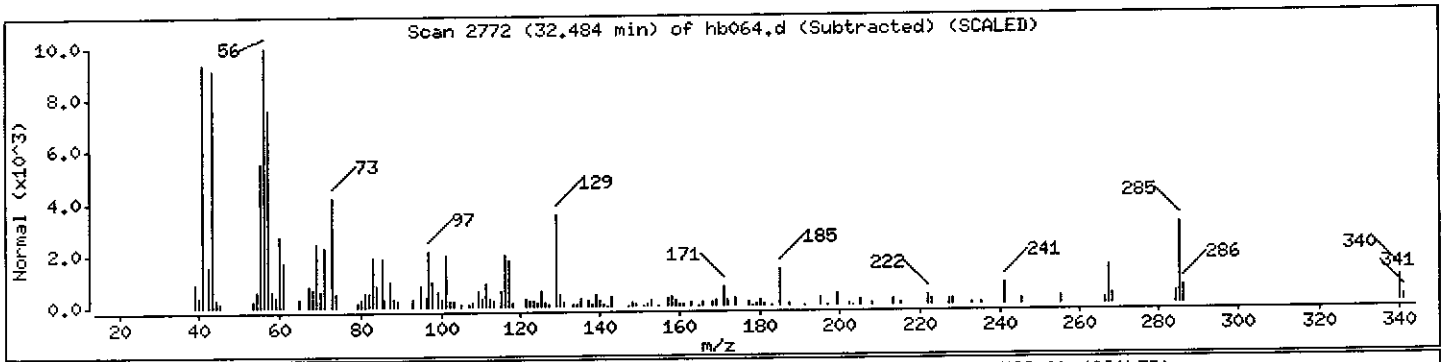
Instrument: HP04629.i

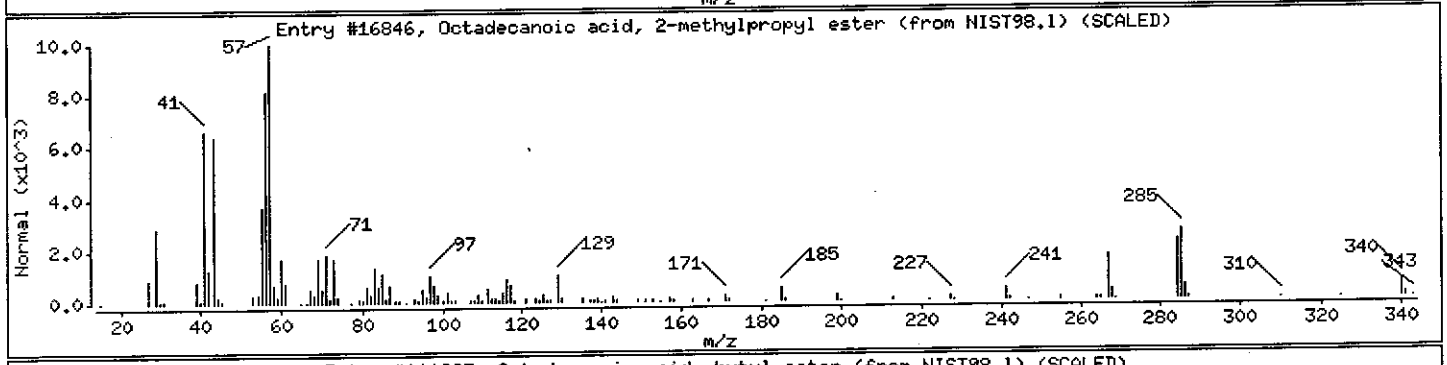
Operator: lmh00956

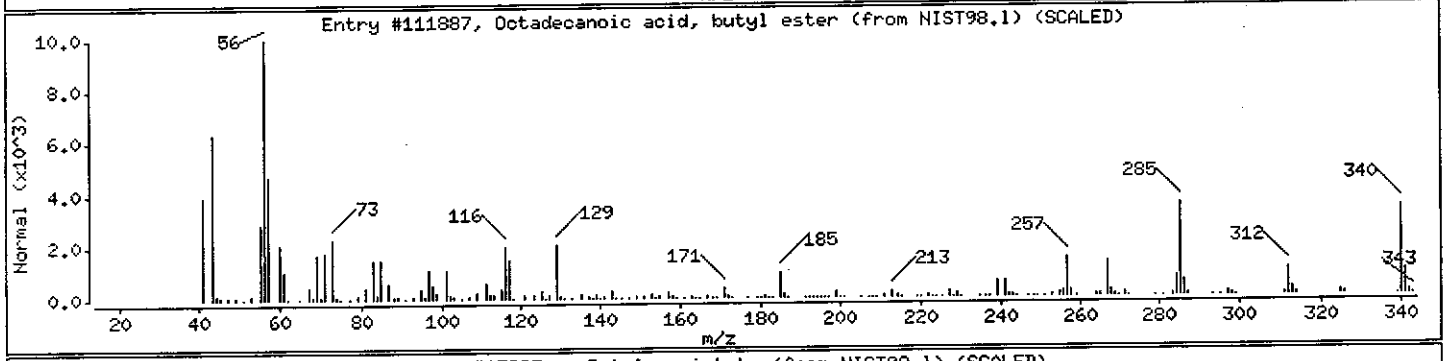
Column diameter: 0.25

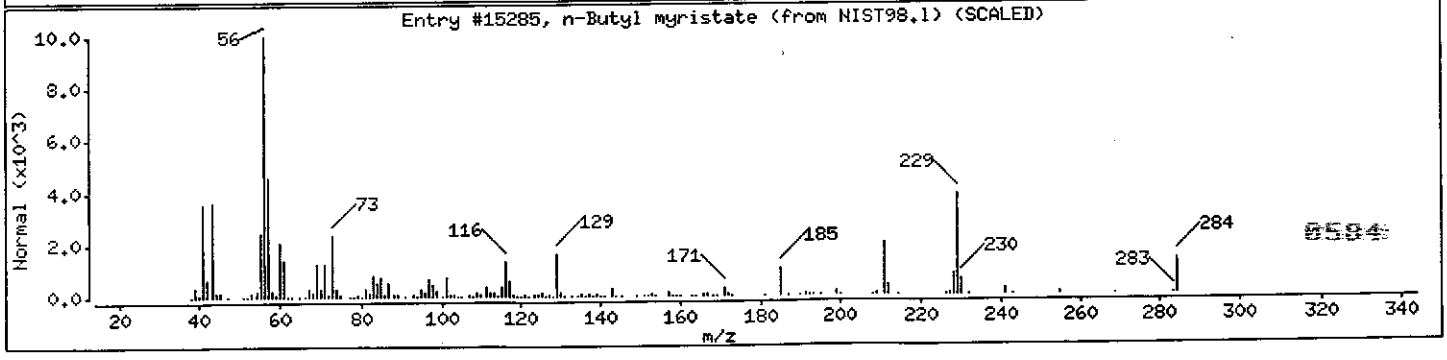
(B) lmh 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	89	C22H4402	340
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111887	87	C22H4402	340
n-Butyl myristate	110-36-1	NIST98.1	15285	53	C18H3602	284









0584

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

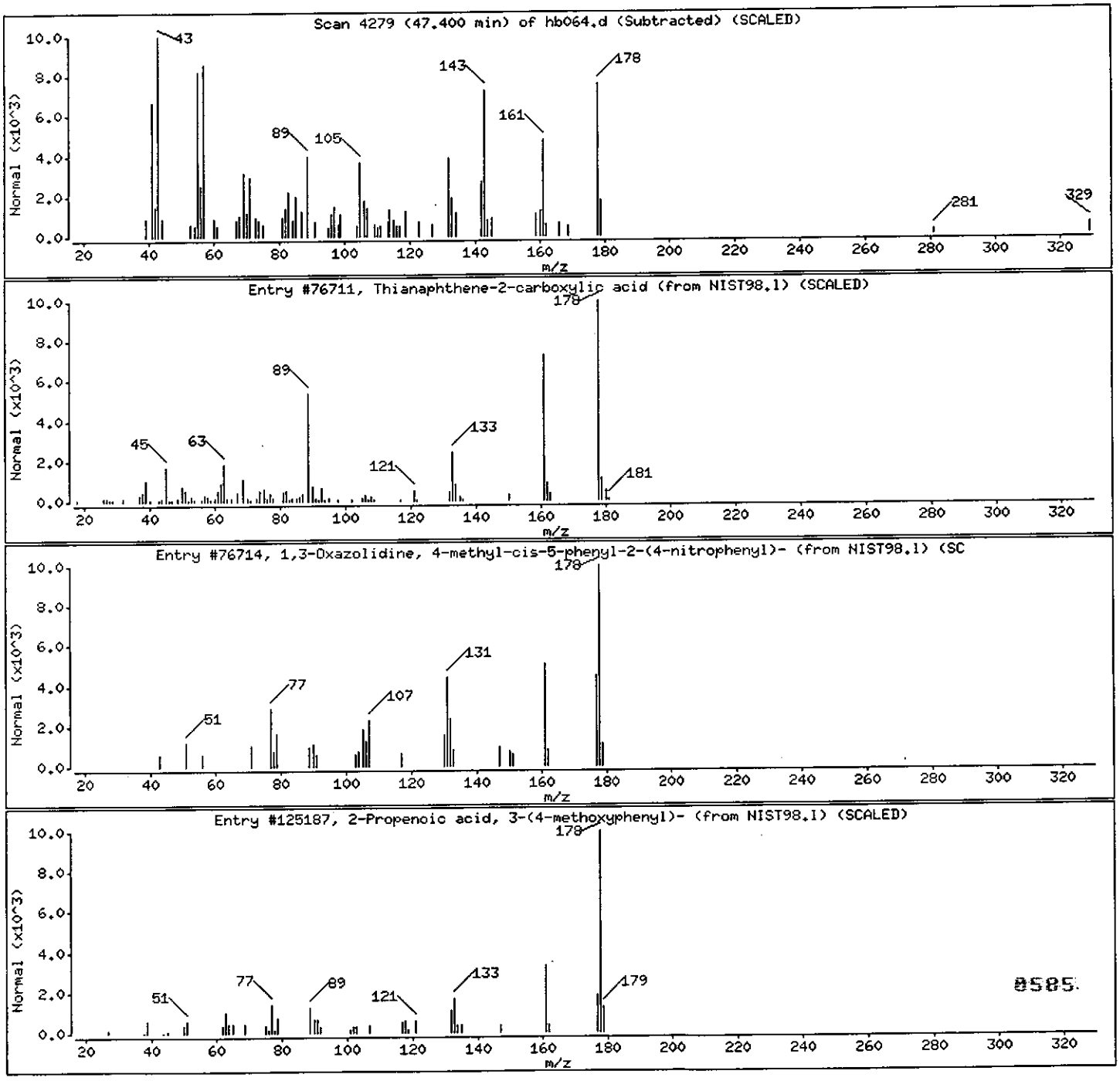
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.1	76711	46	C9H6O2S	178
1,3-Oxazolidine, 4-methyl-cis-5-phenyl-2	1000138-85-9	NIST98.1	76714	35	C16H16N2O3	284
2-Propenoic acid, 3-(4-methoxyphenyl)-	830-09-1	NIST98.1	125187	35	C10H10O3	178



Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

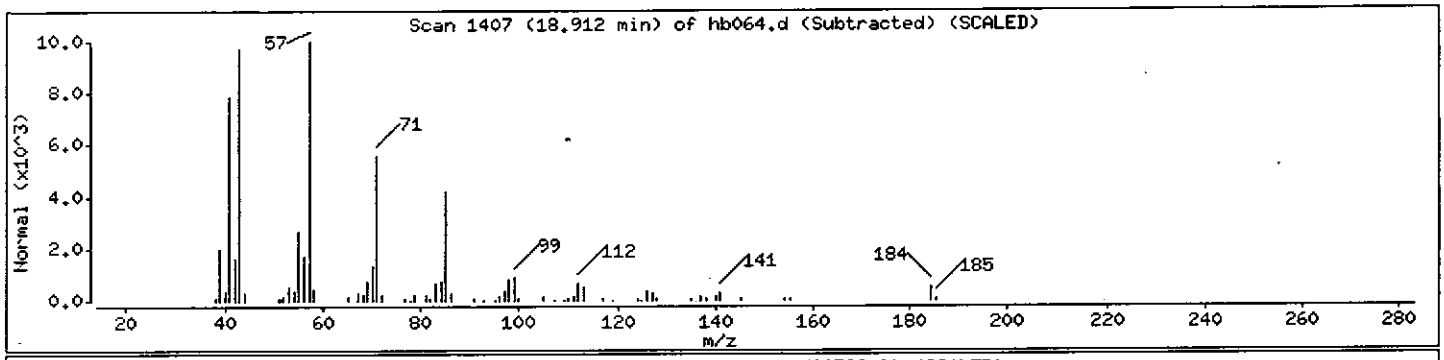
Volume Injected (uL): 2.0

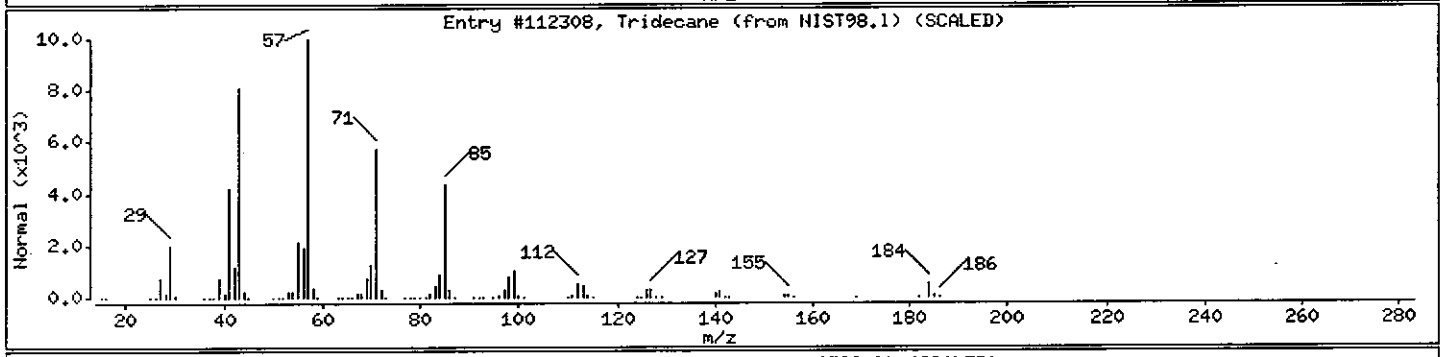
Operator: lmh00956

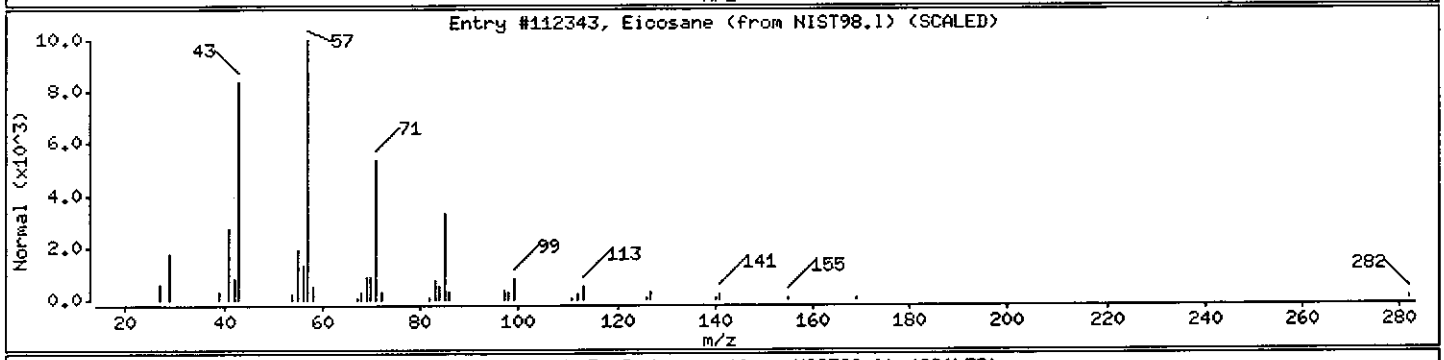
Column phase: J&W DB-5.625

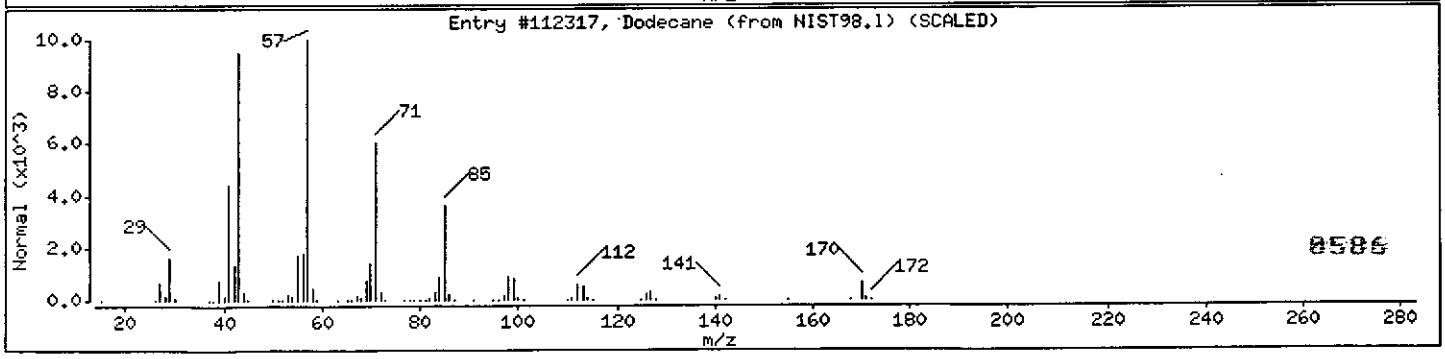
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST98.1	112308	97	C13H28	184
Eicosane	112-95-8	NIST98.1	112343	86	C20H42	282
Dodecane	112-40-3	NIST98.1	112317	86	C12H26	170









0586

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

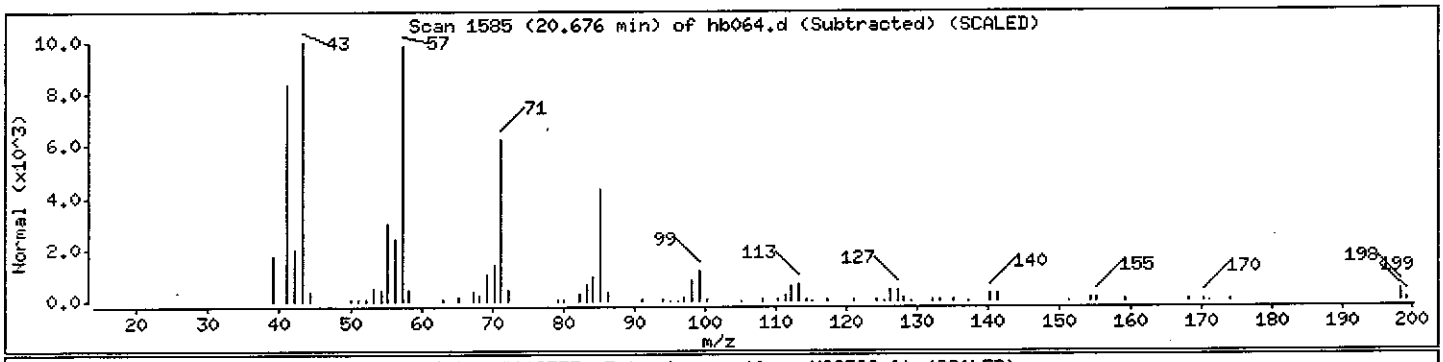
Volume Injected (uL): 2.0

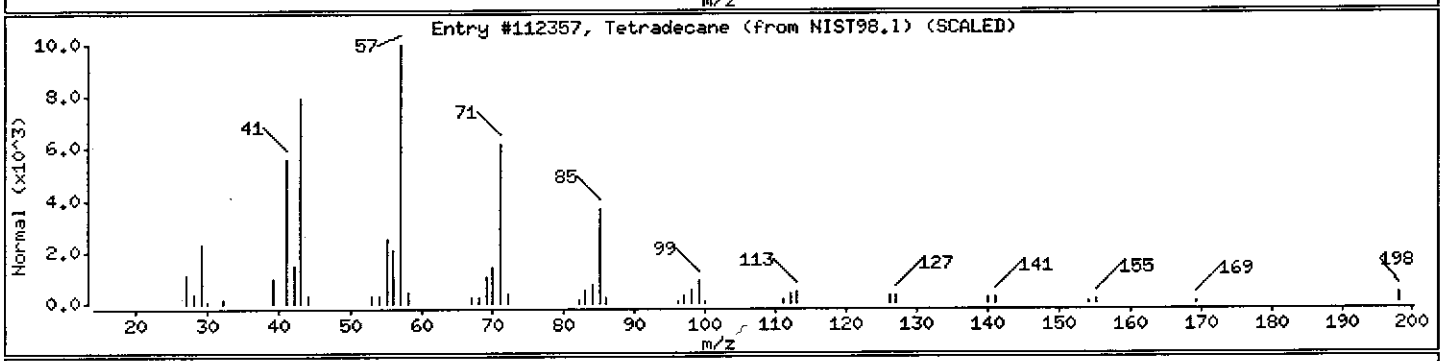
Operator: lmh00956

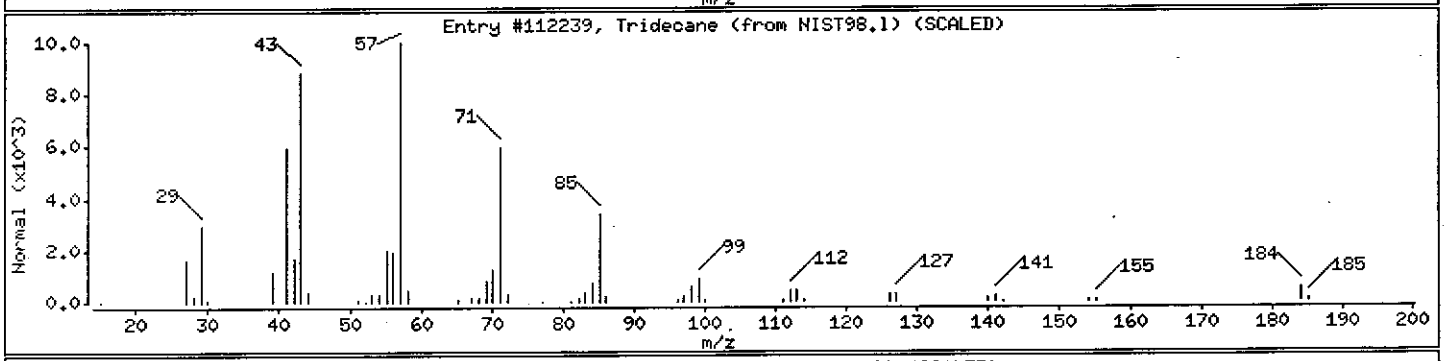
Column phase: J&W DB-5.625

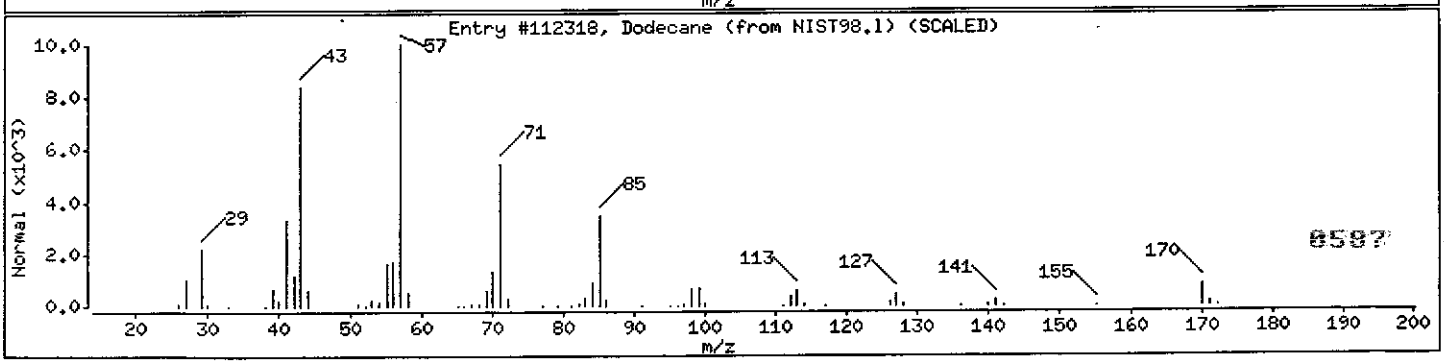
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST98.1	112357	98	C14H30	198
Tridecane	629-50-5	NIST98.1	112239	91	C13H28	184
Dodecane	112-40-3	NIST98.1	112318	86	C12H26	170









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

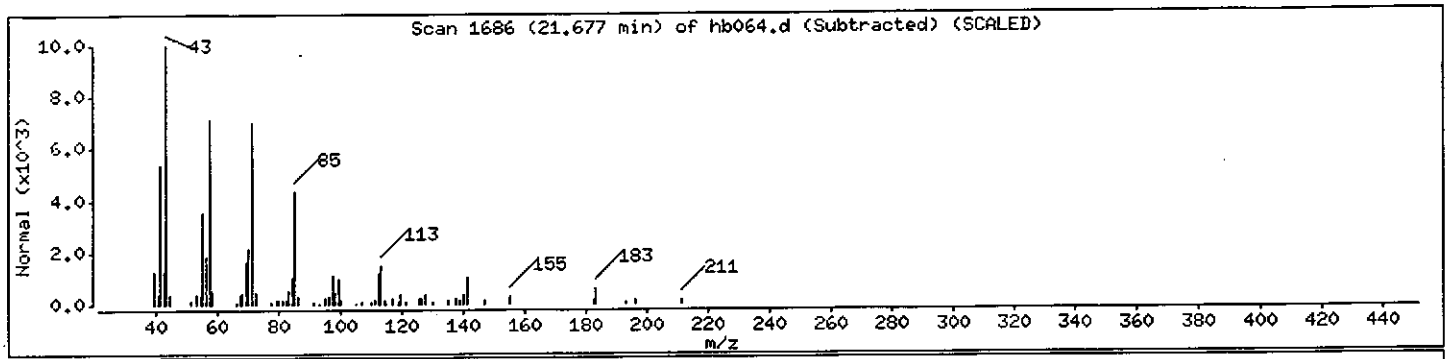
Volume Injected (uL): 2.0

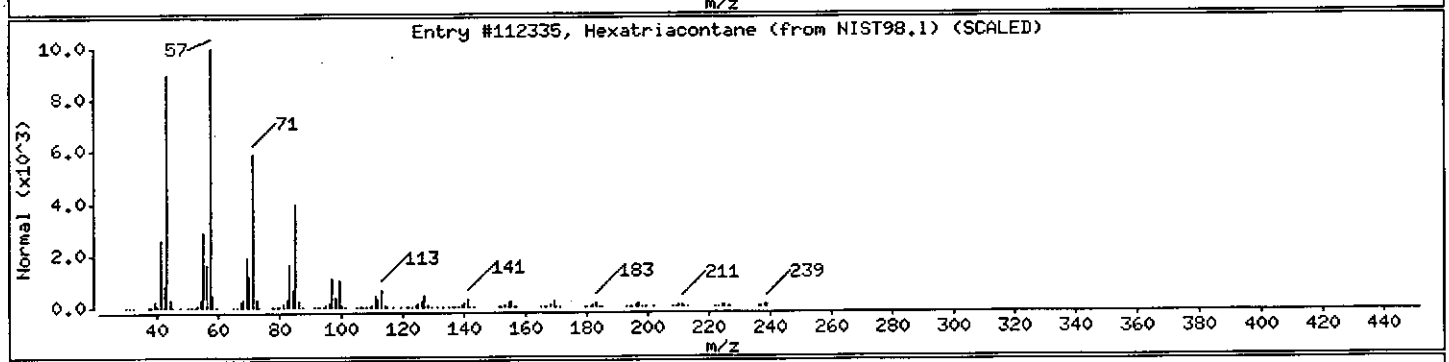
Operator: lmh00956

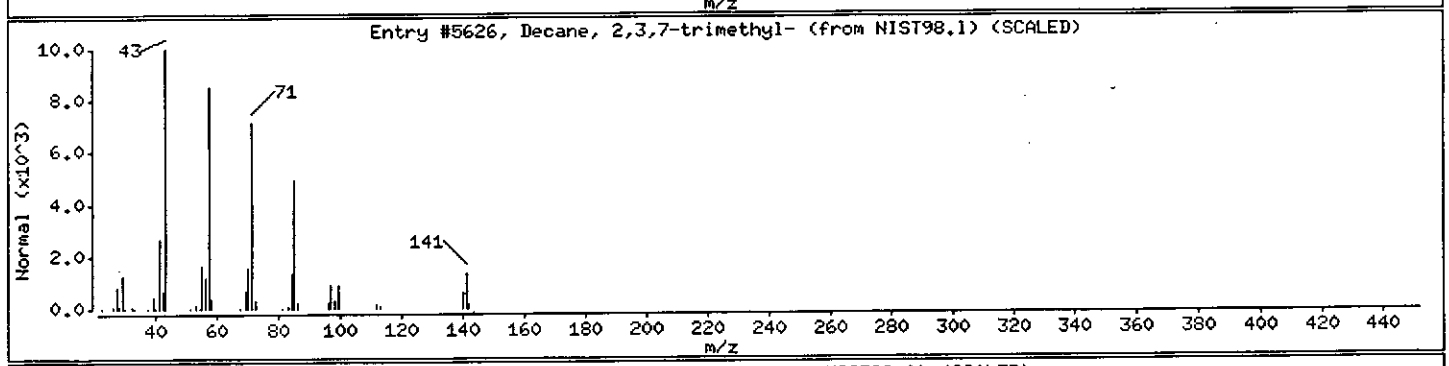
Column phase: J&W DB-5.625

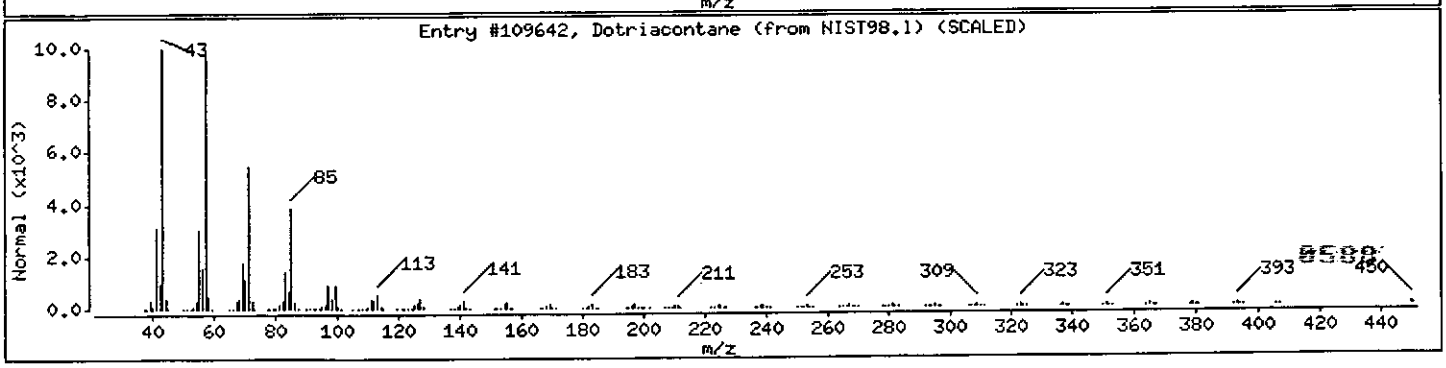
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	NIST98.1	112335	72	C36H74	507
Decane, 2,3,7-trimethyl-	62238-13-5	NIST98.1	5626	72	C13H28	184
Dotriacontane	544-85-4	NIST98.1	109642	64	C32H66	451









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

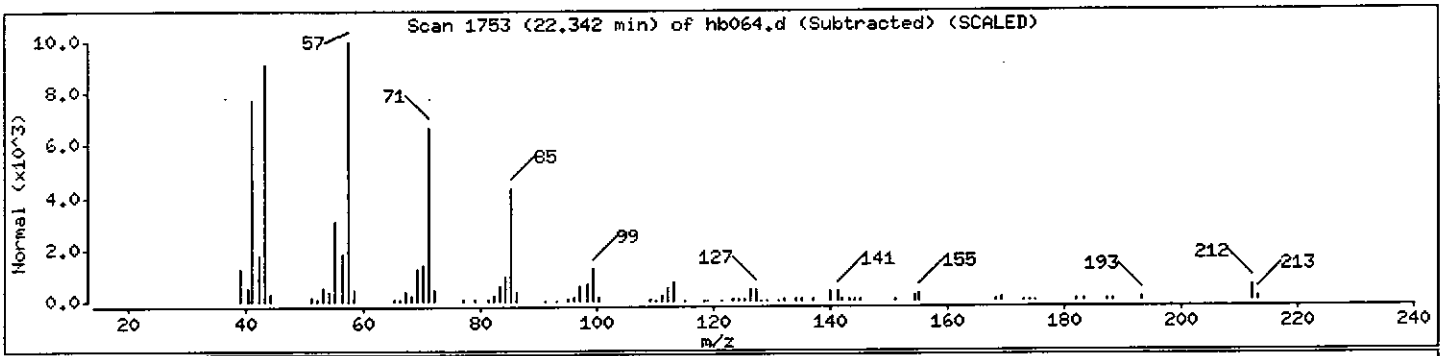
Volume Injected (uL): 2.0

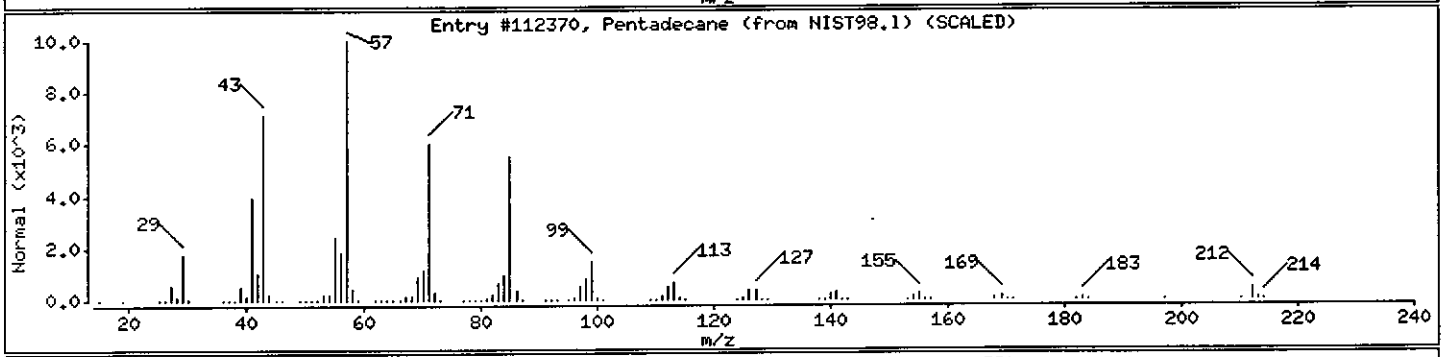
Operator: lmh00956

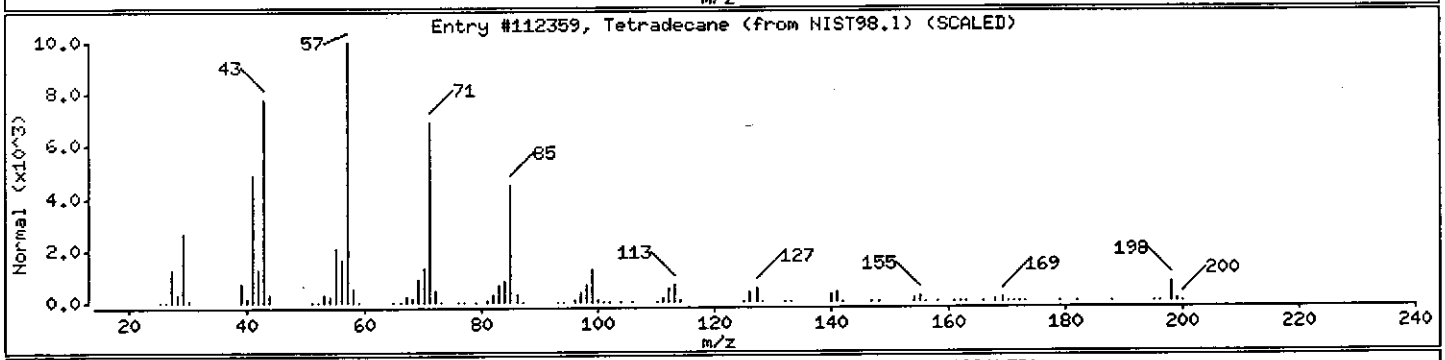
Column phase: J&W DB-5.625

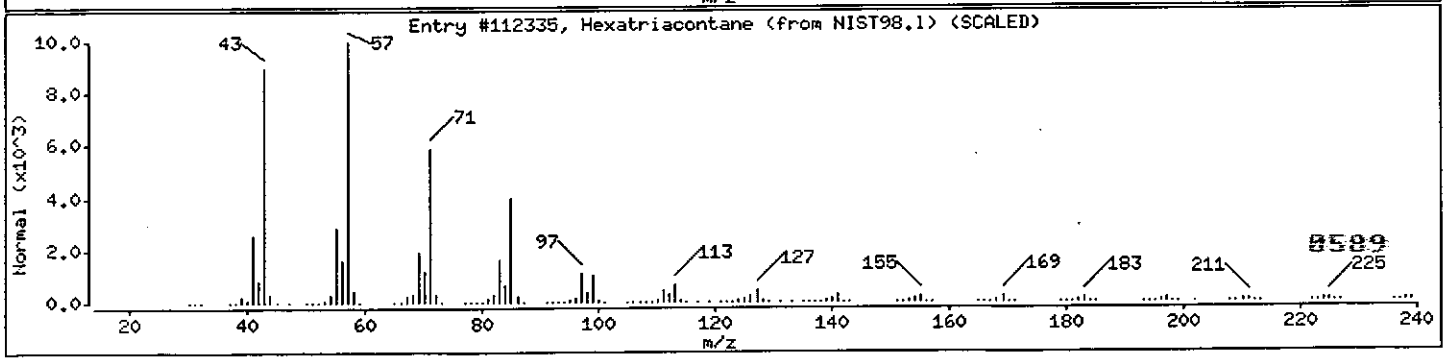
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	98	C15H32	212
Tetradecane	629-59-4	NIST98.1	112359	91	C14H30	198
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

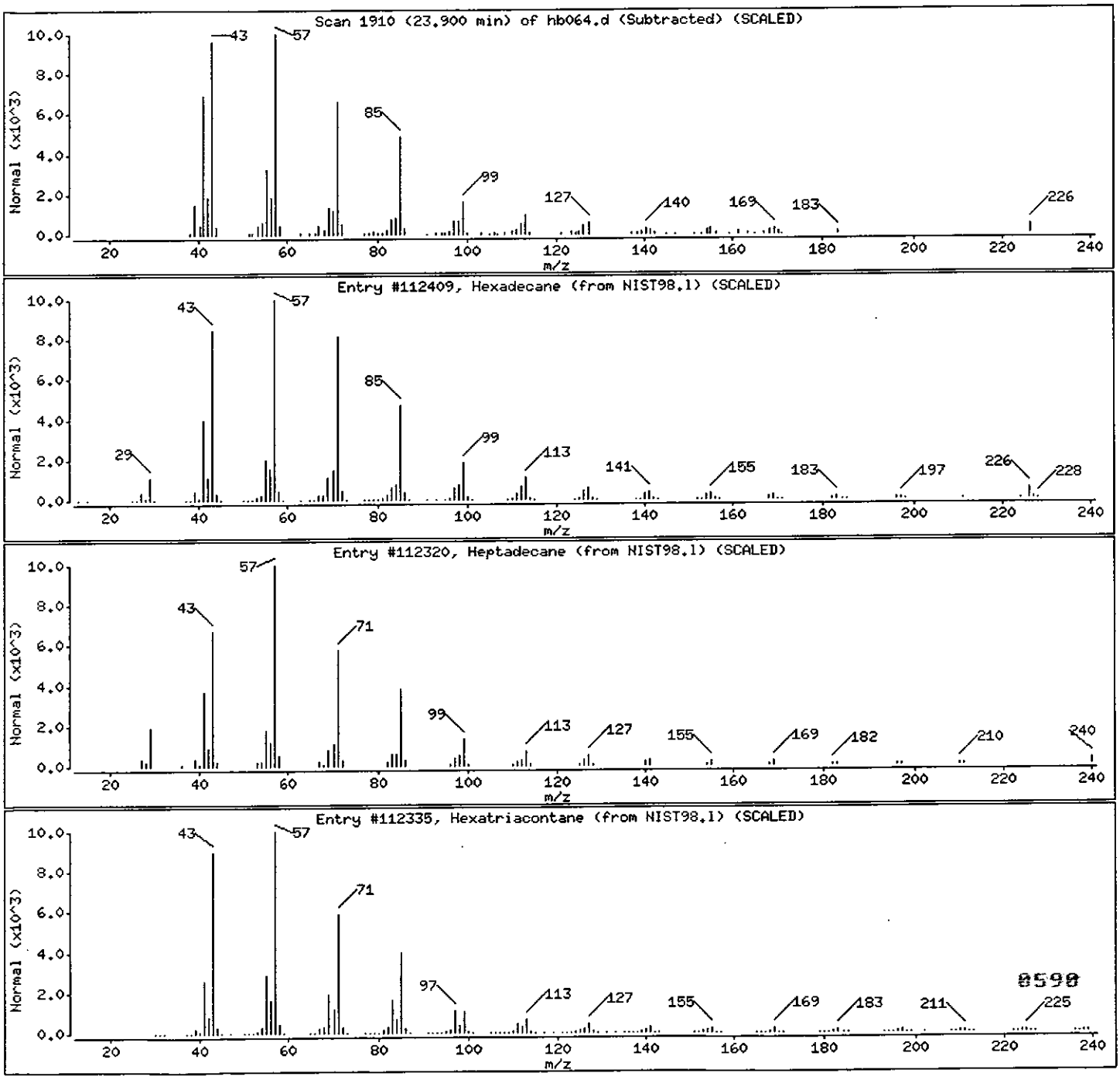
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	112409	96	C16H34	226
Heptadecane	629-78-7	NIST98.1	112320	91	C17H36	240
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507



Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

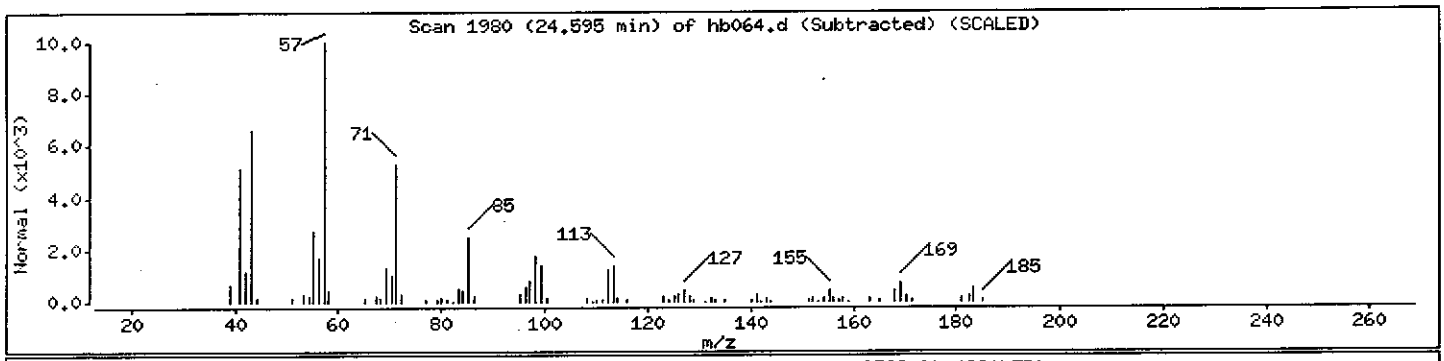
Volume Injected (uL): 2.0

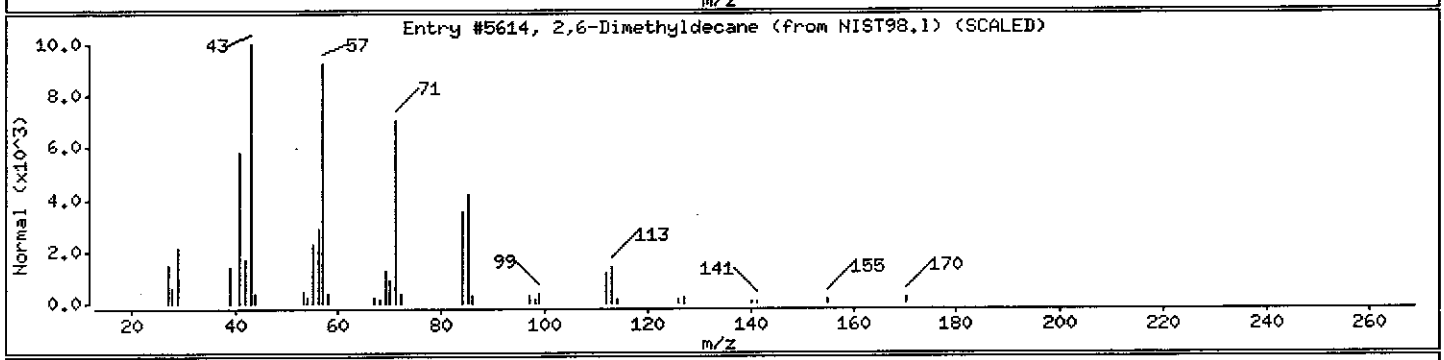
Operator: lmh00956

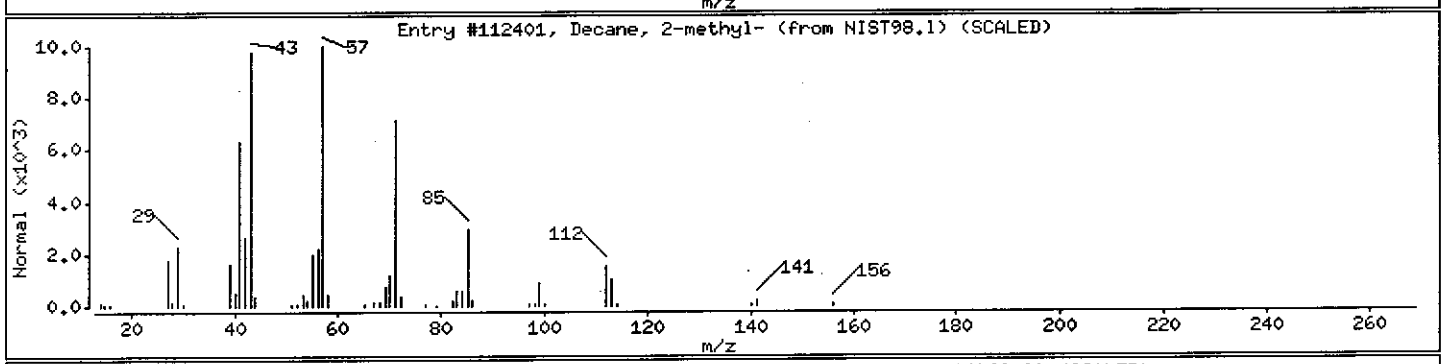
Column phase: J&W DB-5.625

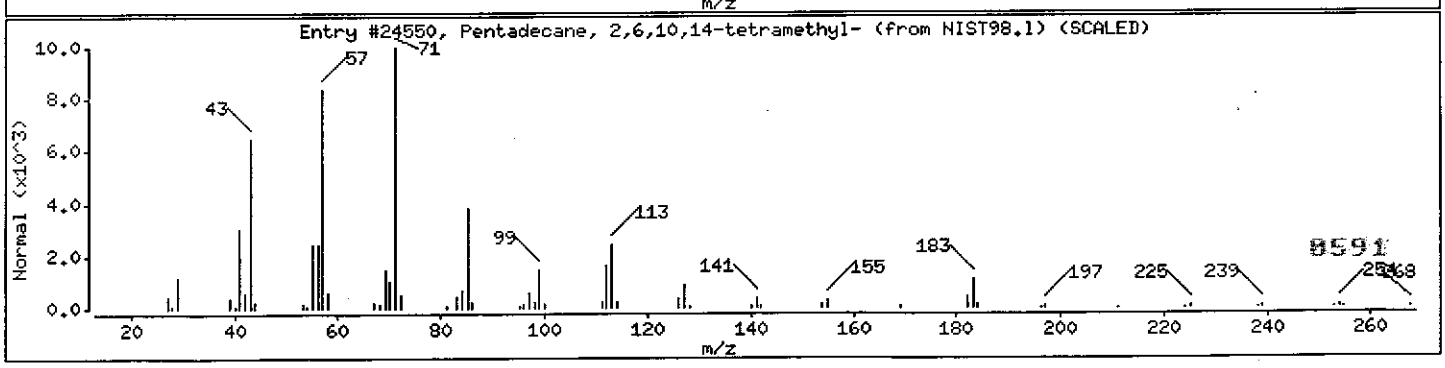
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
2,6-Dimethyldecane	13150-81-7	NIST98.1	5614	86	C12H26	170
Decane, 2-methyl-	6975-98-0	NIST98.1	112401	81	C11H24	156
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.1	24550	72	C19H40	268









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

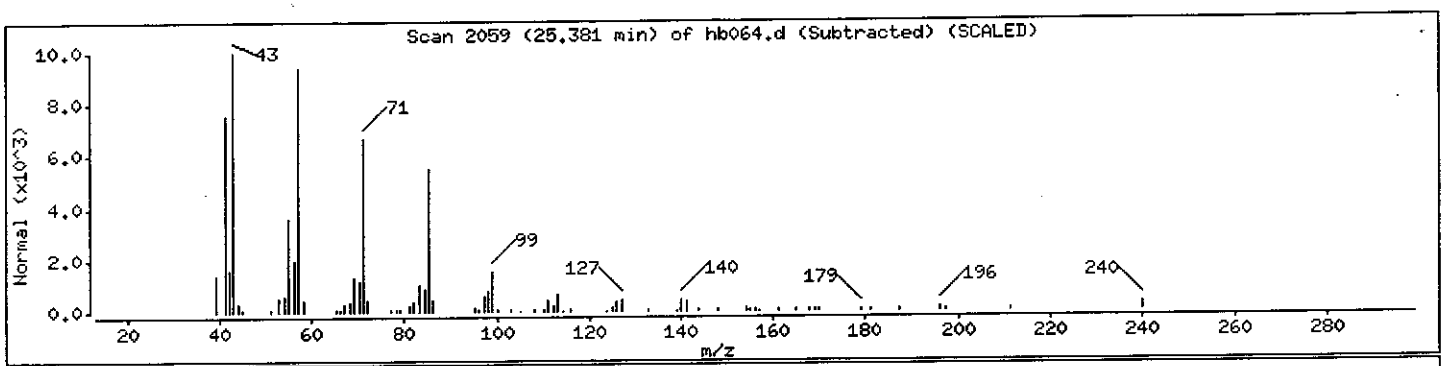
Volume Injected (uL): 2.0

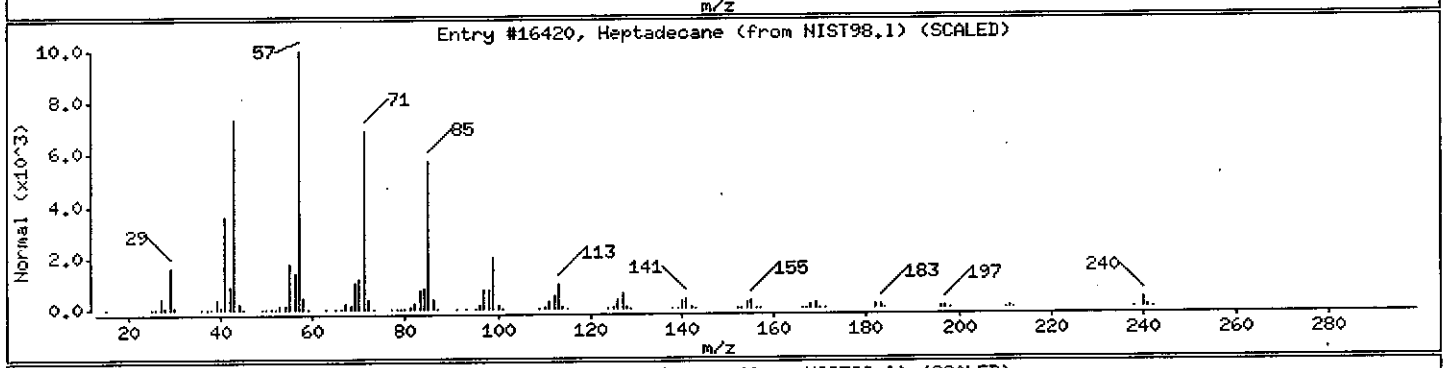
Operator: lmh00956

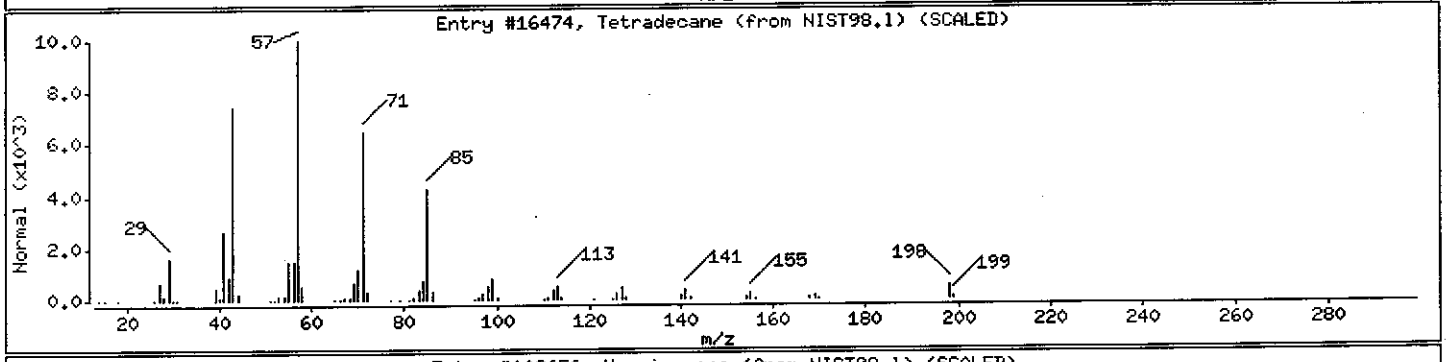
Column phase: J&W DB-5.625

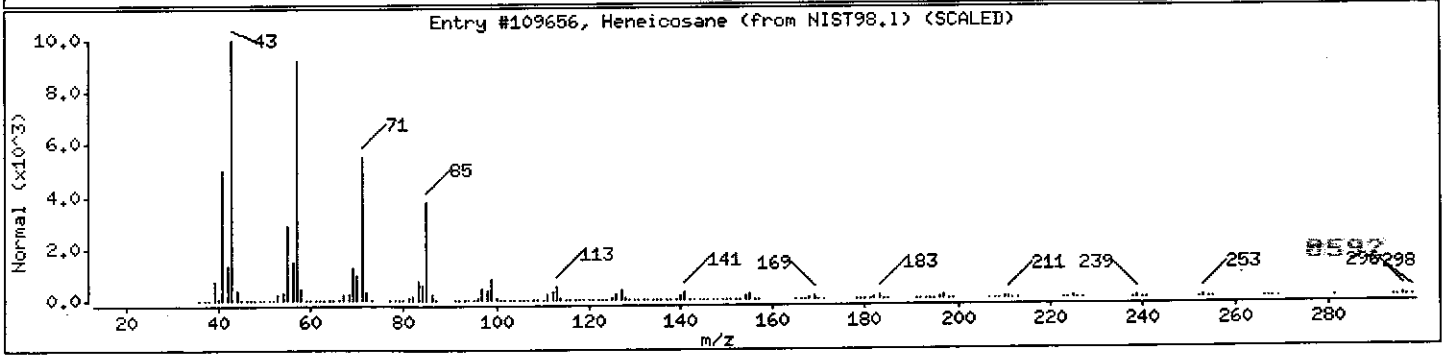
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	93	C17H36	240
Tetradecane	629-59-4	NIST98.1	16474	90	C14H30	198
Heneicosane	629-94-7	NIST98.1	109656	87	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

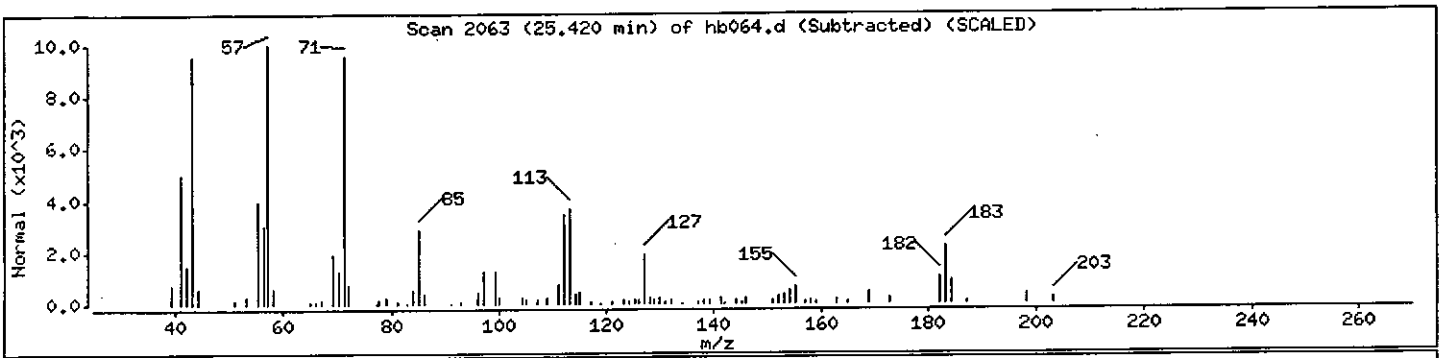
Volume Injected (uL): 2.0

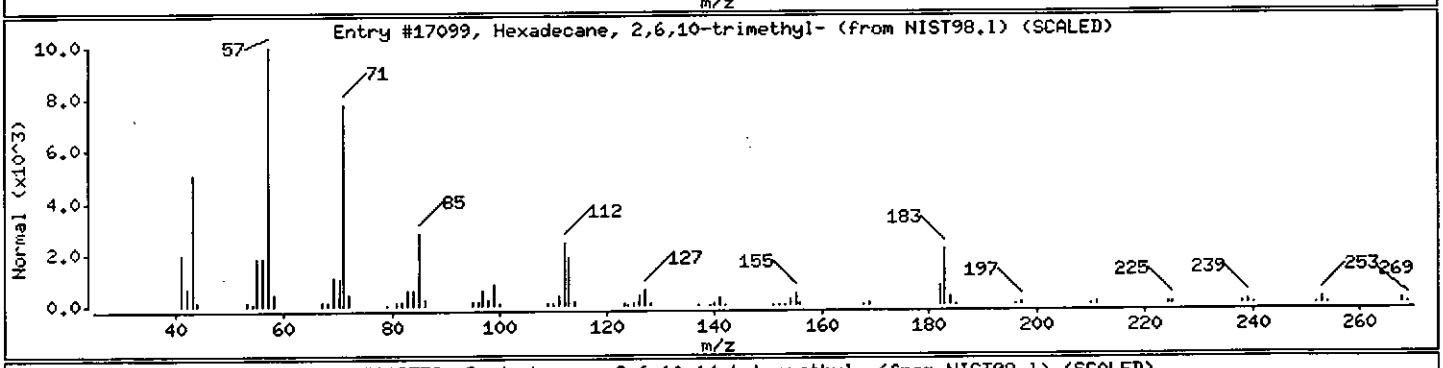
Operator: lmh00956

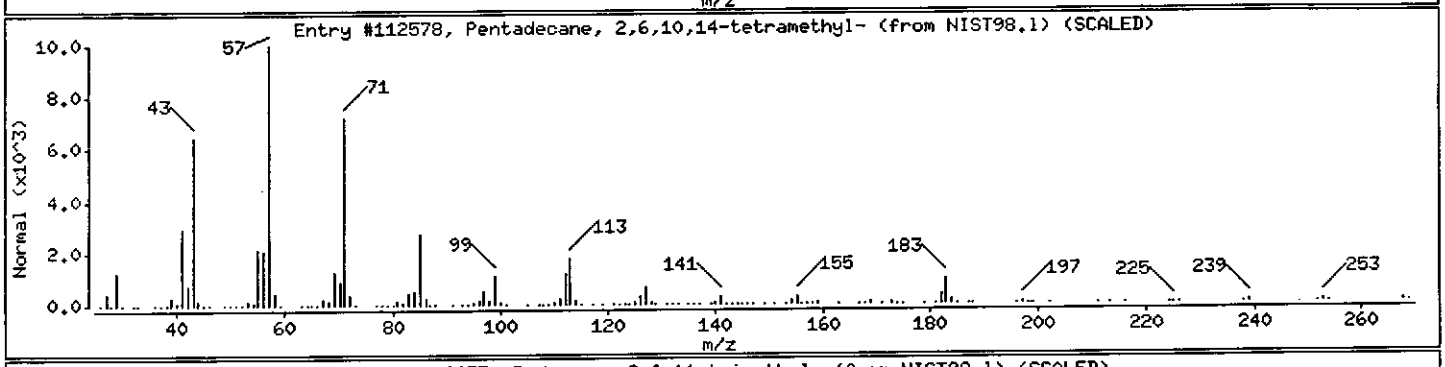
Column phase: J&W DB-5.625

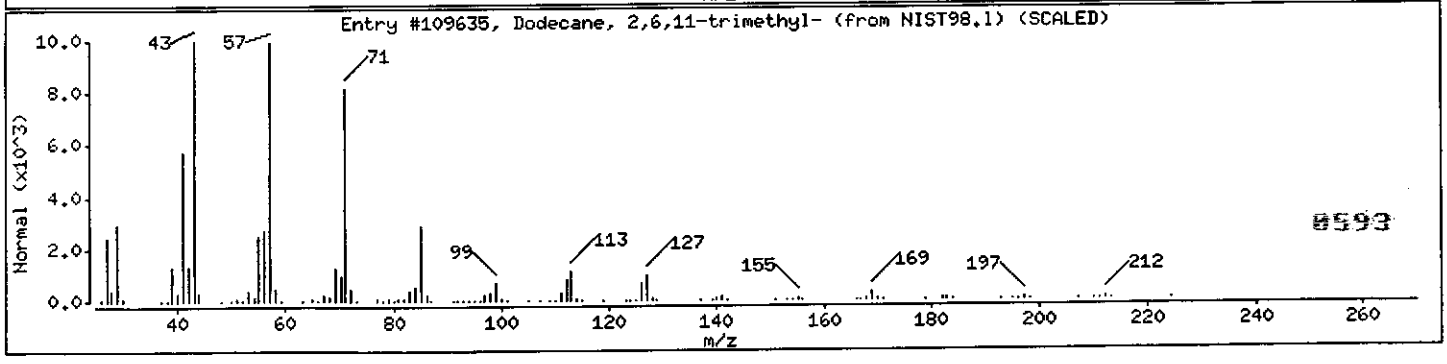
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10-trimethyl-	55000-52-7	NIST98.1	17099	72	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.1	112578	58	C19H40	268
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST98.1	109635	53	C15H32	212









0593

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

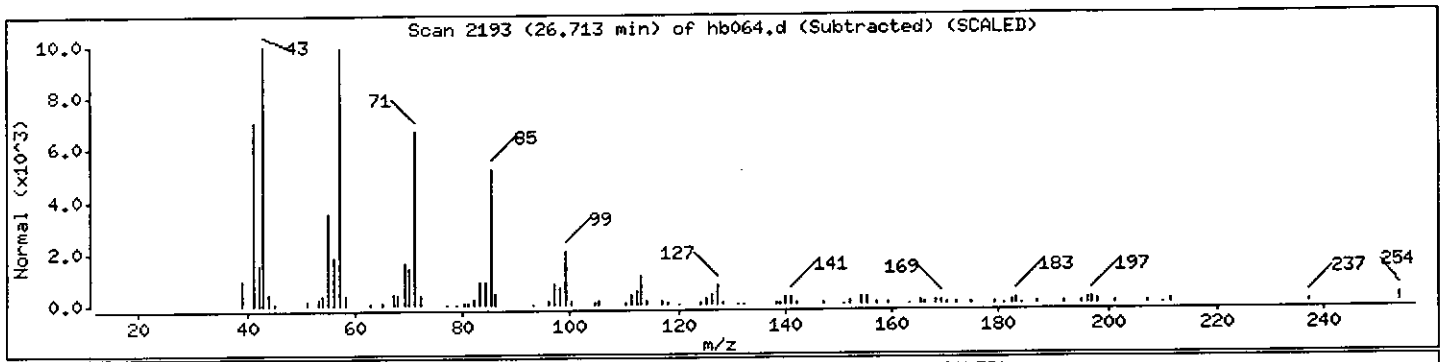
Volume Injected (uL): 2.0

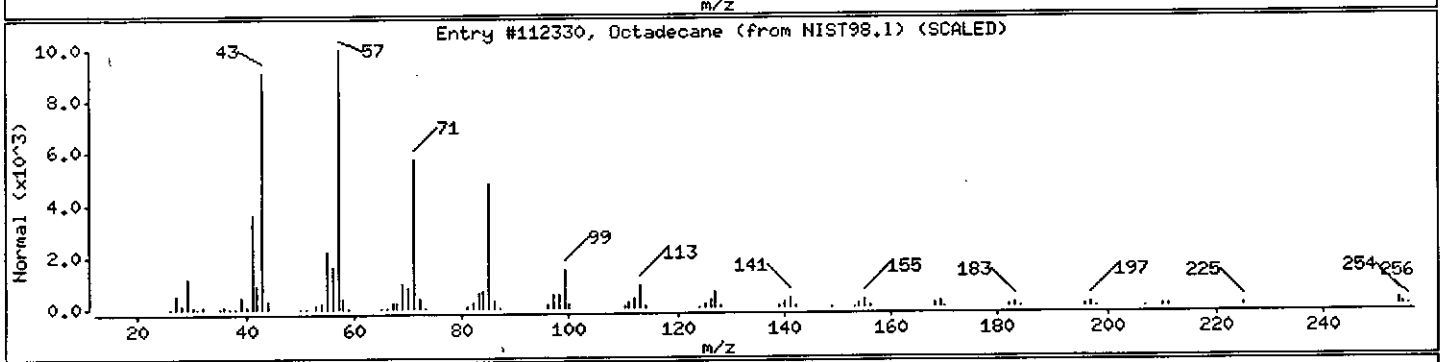
Operator: lmh00956

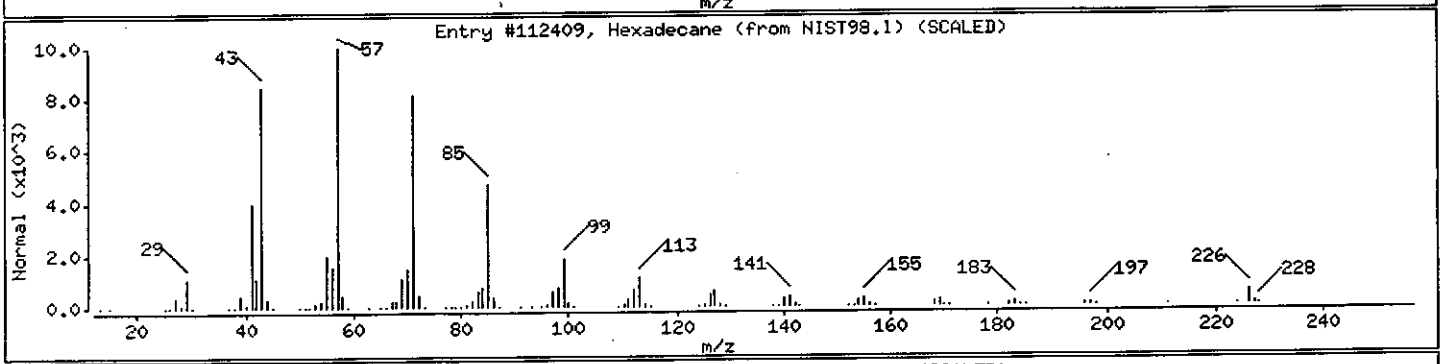
Column phase: J&W DB-5.625

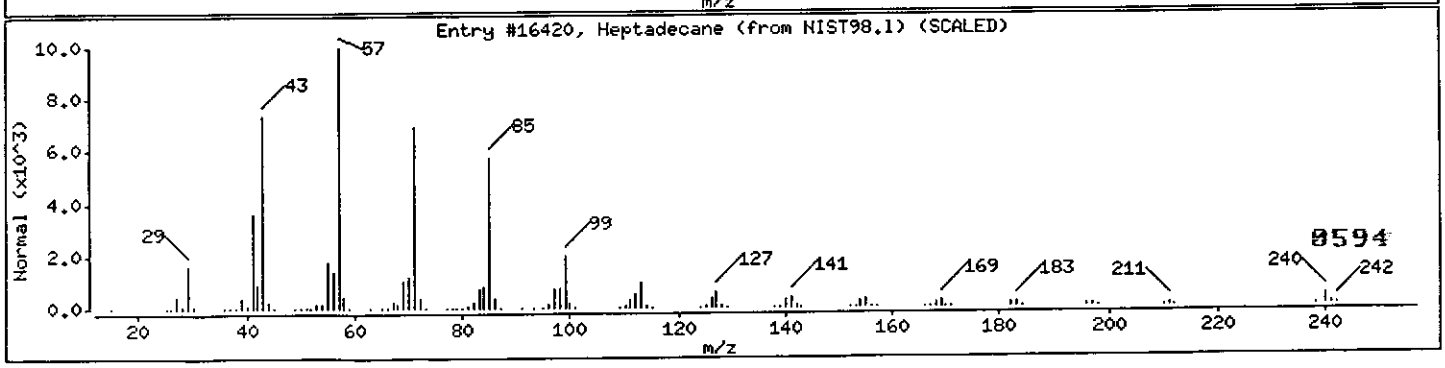
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST98.1	112330	98	C18H38	254
Hexadecane	544-76-3	NIST98.1	112409	91	C16H34	226
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240









0594

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

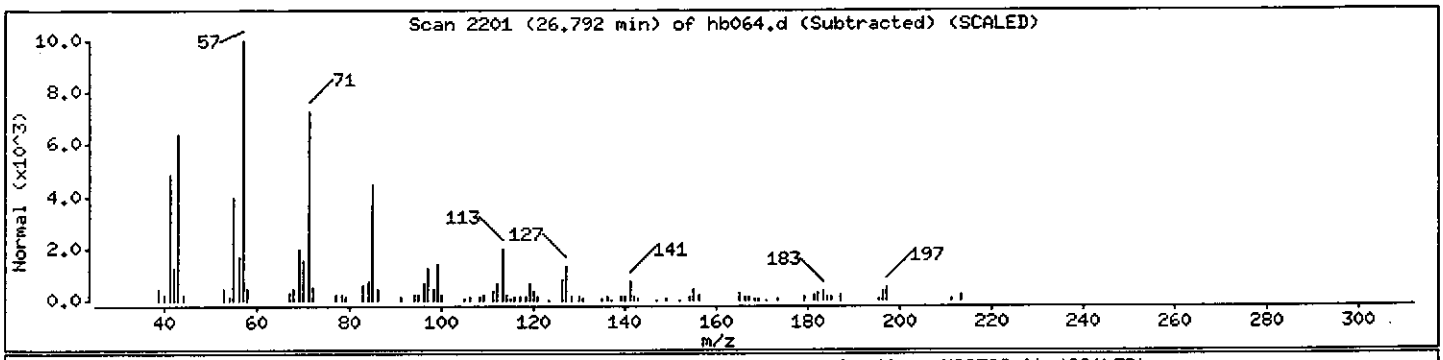
Volume Injected (uL): 2.0

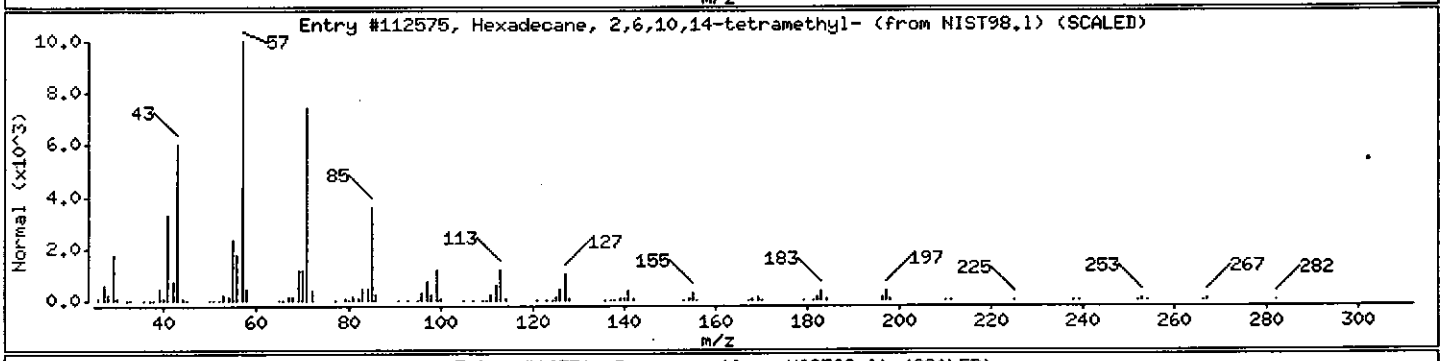
Operator: lmh00956

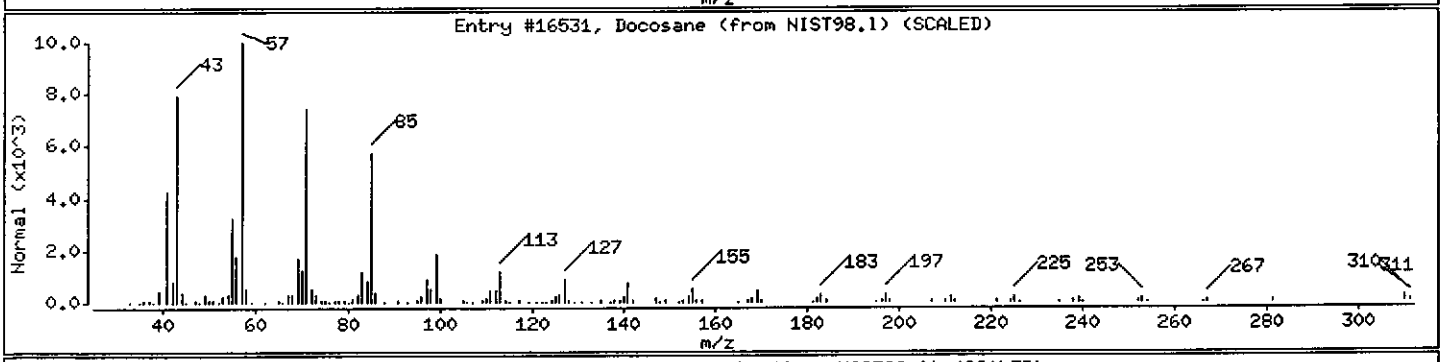
Column phase: J&W DB-5.625

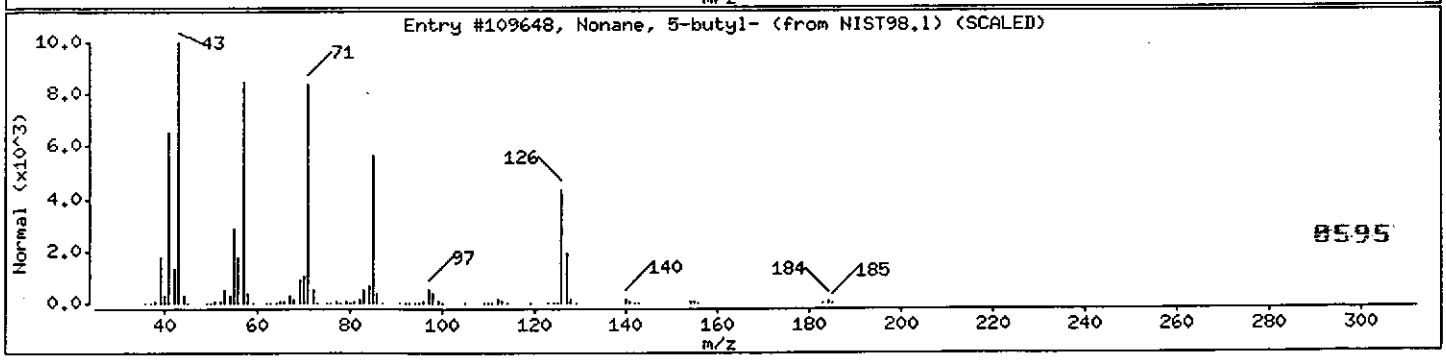
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	112575	87	C20H42	282
Docosane	629-97-0	NIST98.1	16531	83	C22H46	310
Nonane, 5-butyl-	17312-63-9	NIST98.1	109648	83	C13H28	184









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

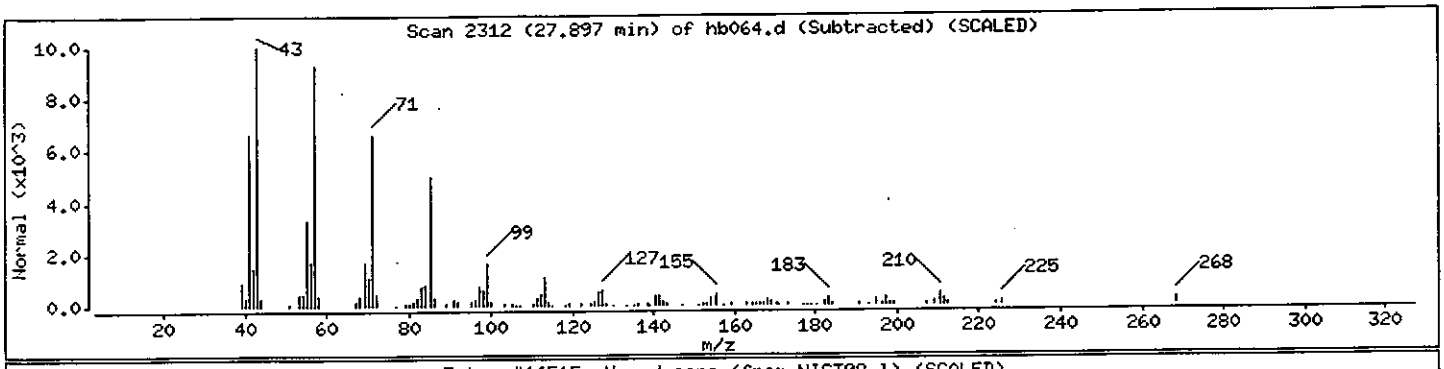
Volume Injected (uL): 2.0

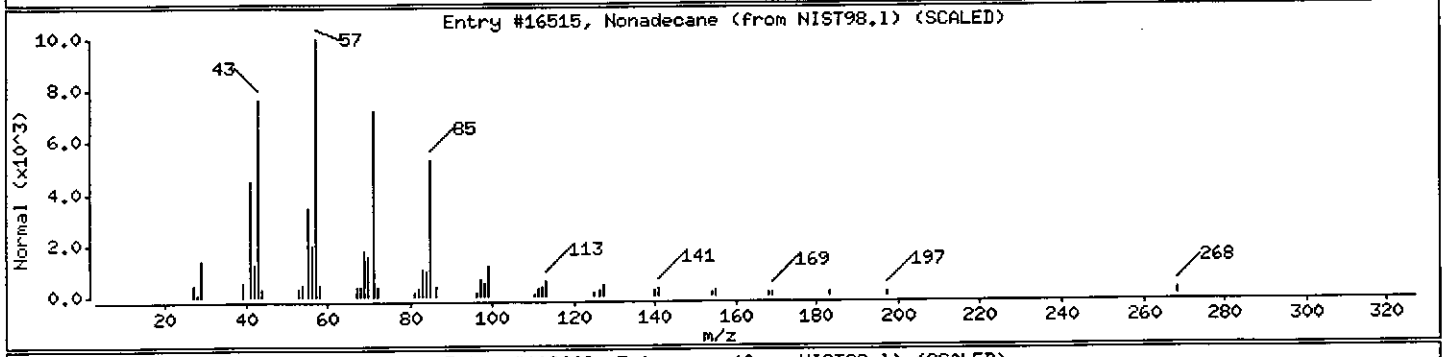
Operator: lmh00956

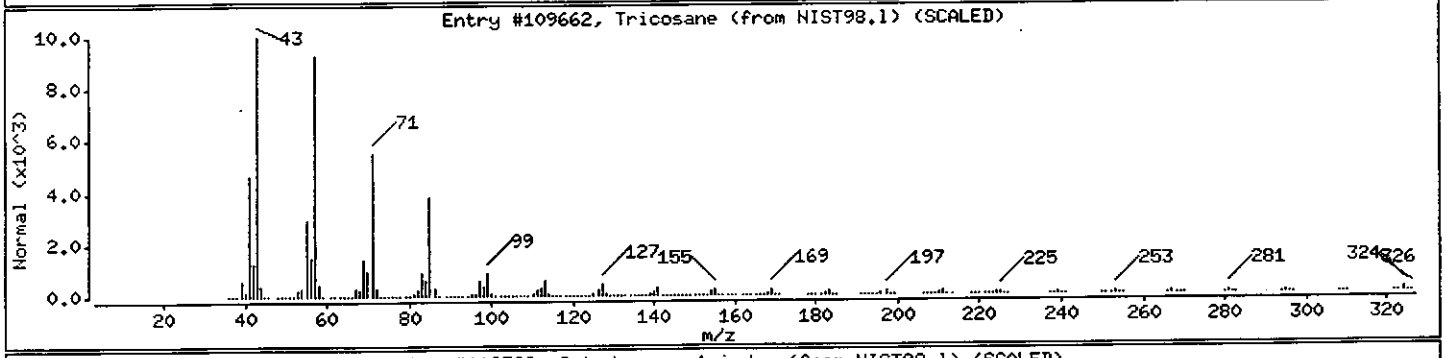
Column phase: J&W DB-5.625

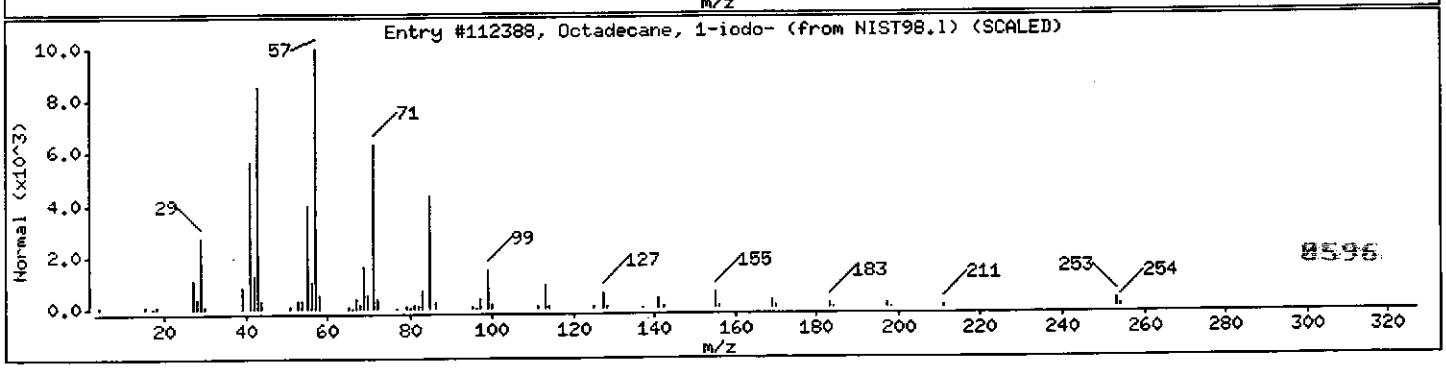
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	16515	98	C19H40	268
Tricosane	638-67-5	NIST98.1	109662	90	C23H48	324
Octadecane, 1-iodo-	629-93-6	NIST98.1	112388	90	C18H37I	380









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

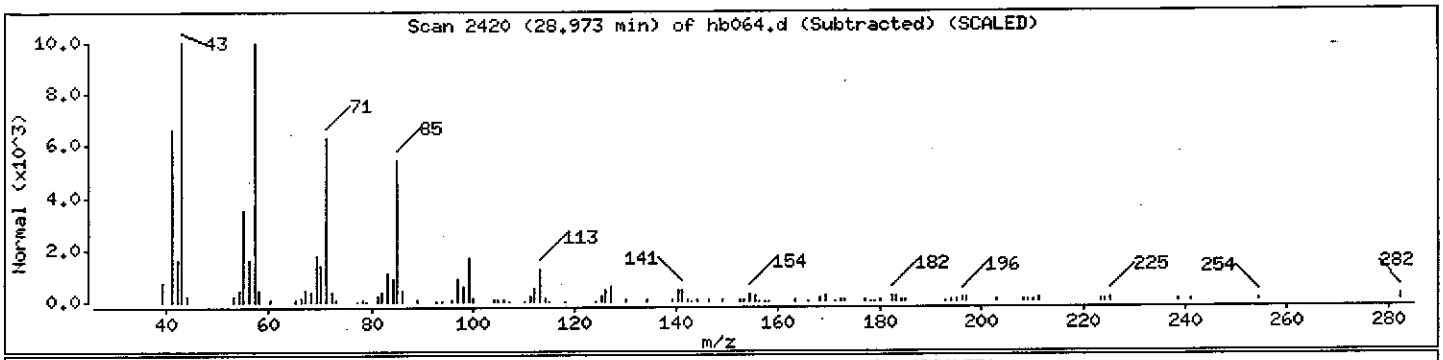
Volume Injected (uL): 2.0

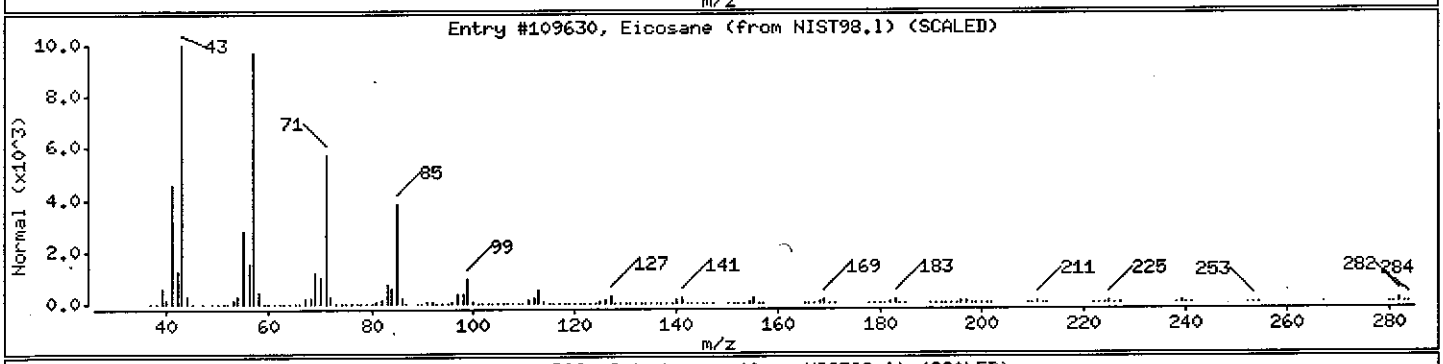
Operator: lmh00956

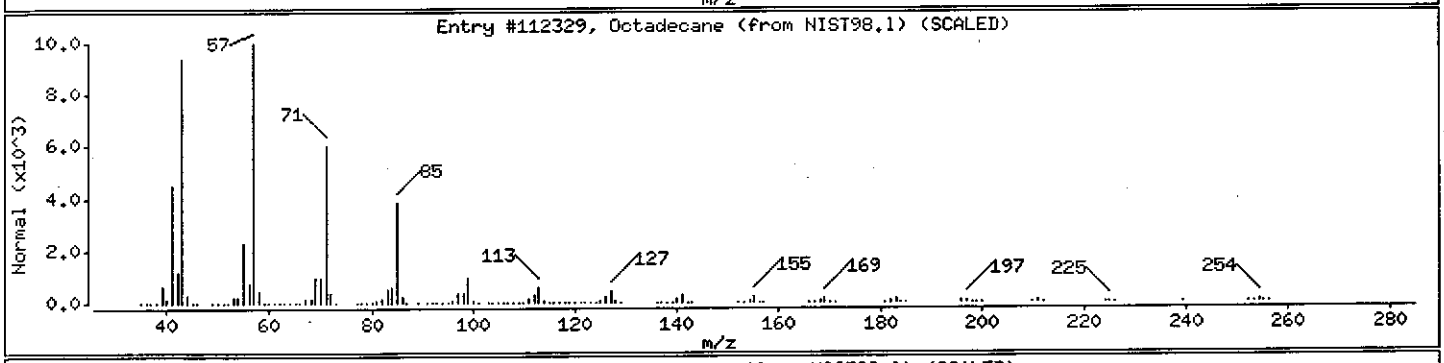
Column phase: J&W DB-5.625

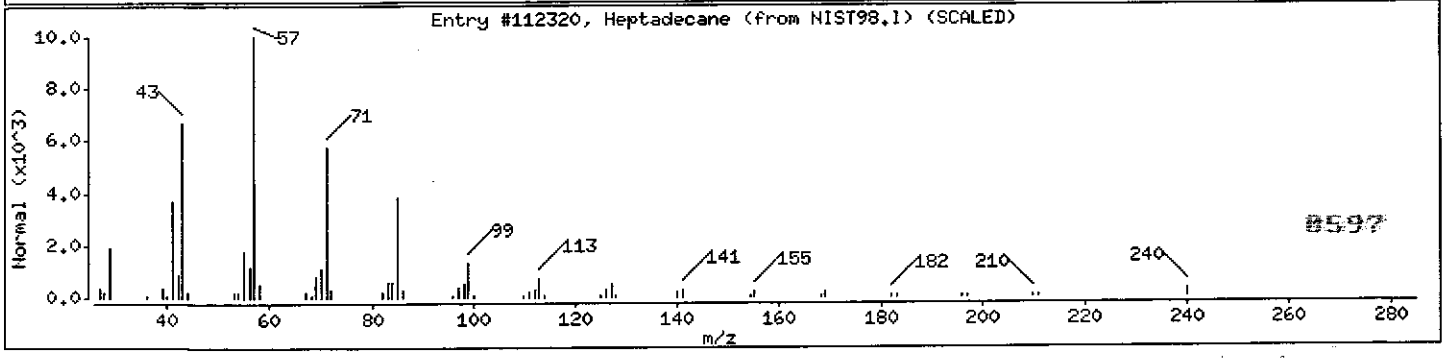
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	109630	97	C20H42	282
Octadecane	593-45-3	NIST98.1	112329	94	C18H38	254
Heptadecane	629-78-7	NIST98.1	112320	91	C17H36	240









0597

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

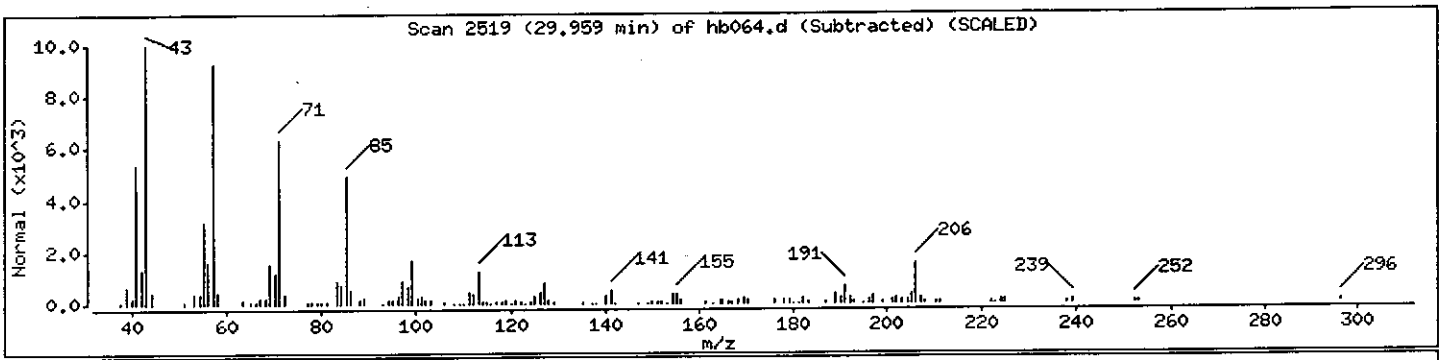
Volume Injected (uL): 2.0

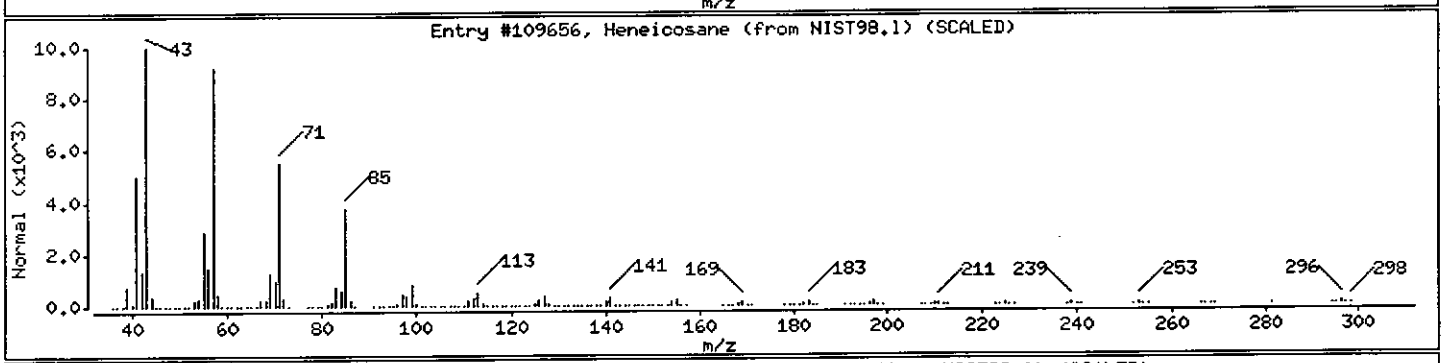
Operator: lmh00956

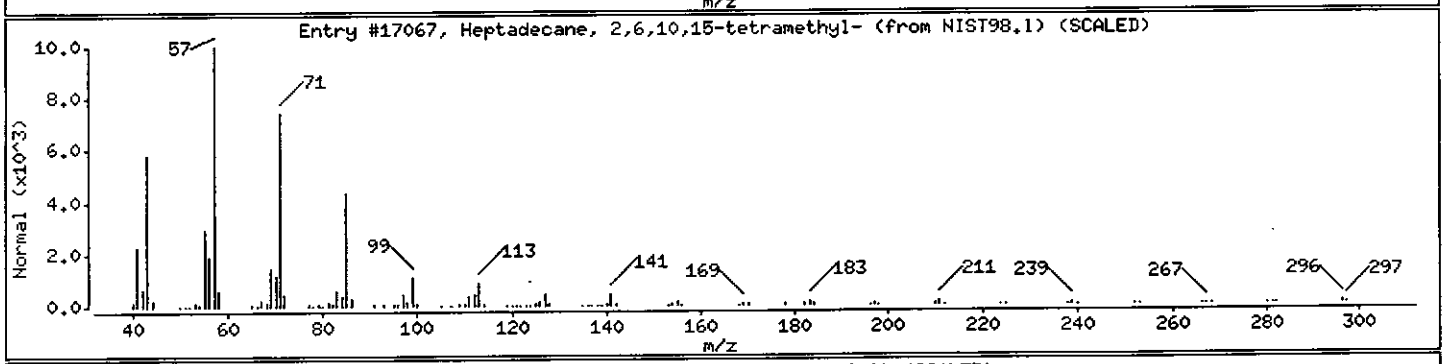
Column phase: J&W DB-5.625

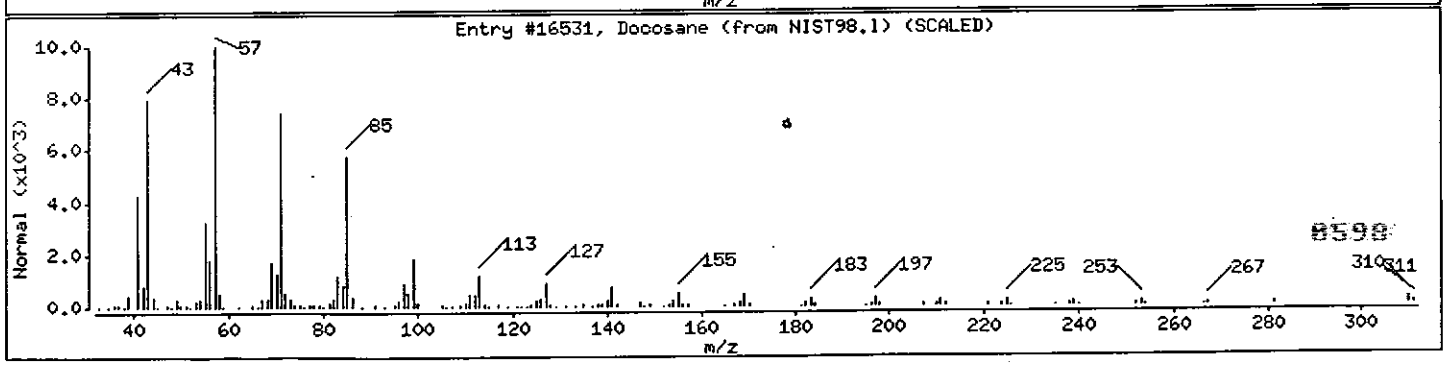
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	109656	95	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	95	C21H44	296
Docosane	629-97-0	NIST98.1	16531	87	C22H46	310









8598

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

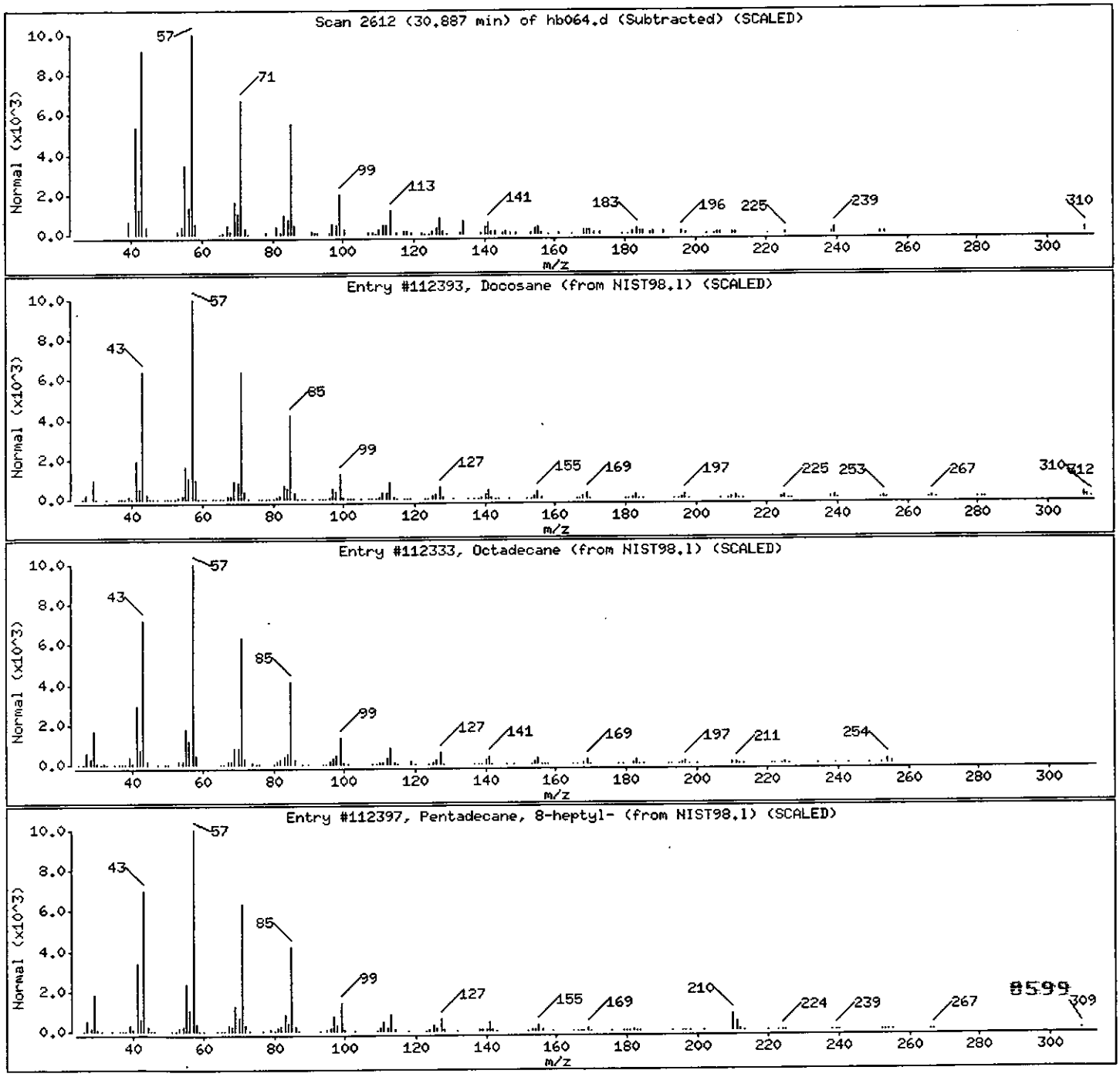
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	112393	95	C22H46	310
Octadecane	593-45-3	NIST98.1	112333	87	C18H38	254
Pentadecane, 8-heptyl-	71005-15-7	NIST98.1	112397	86	C22H46	310



Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

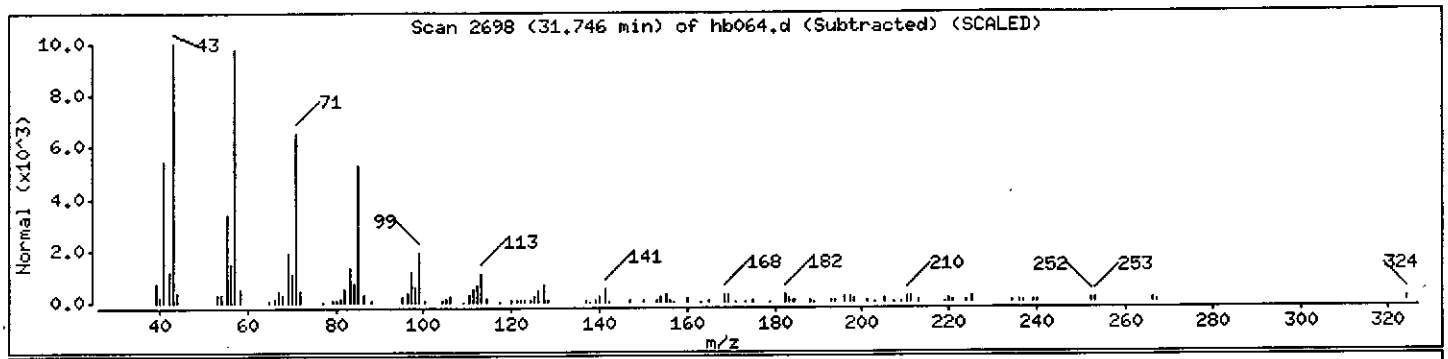
Volume Injected (uL): 2.0

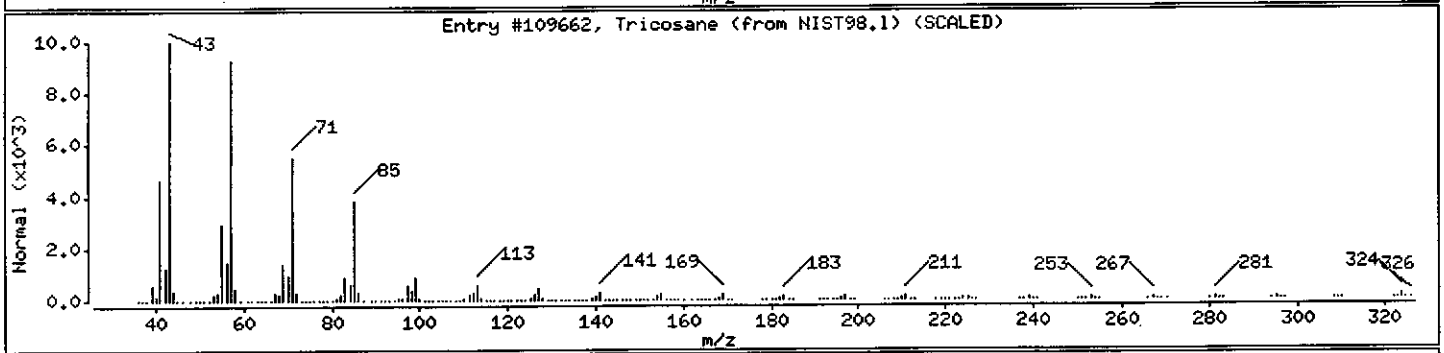
Operator: lmh00956

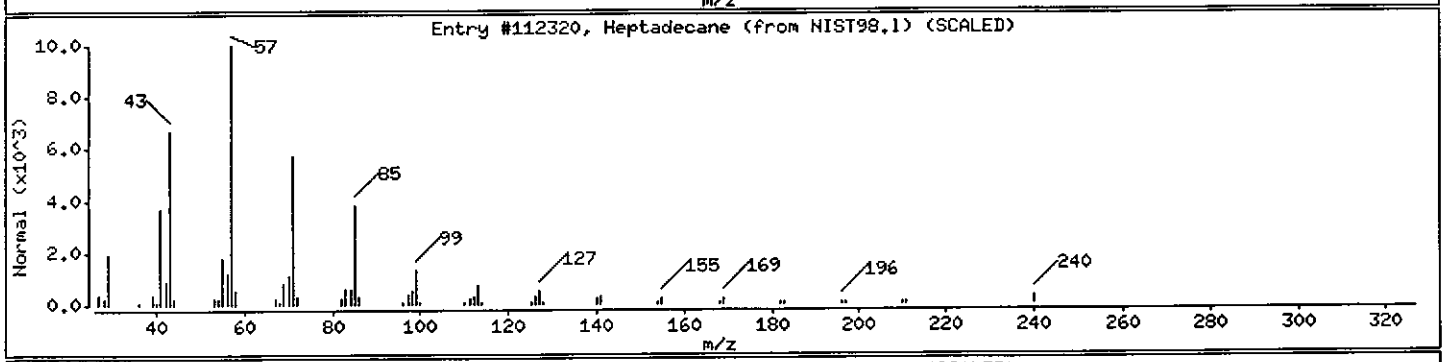
Column phase: J&W DB-5.625

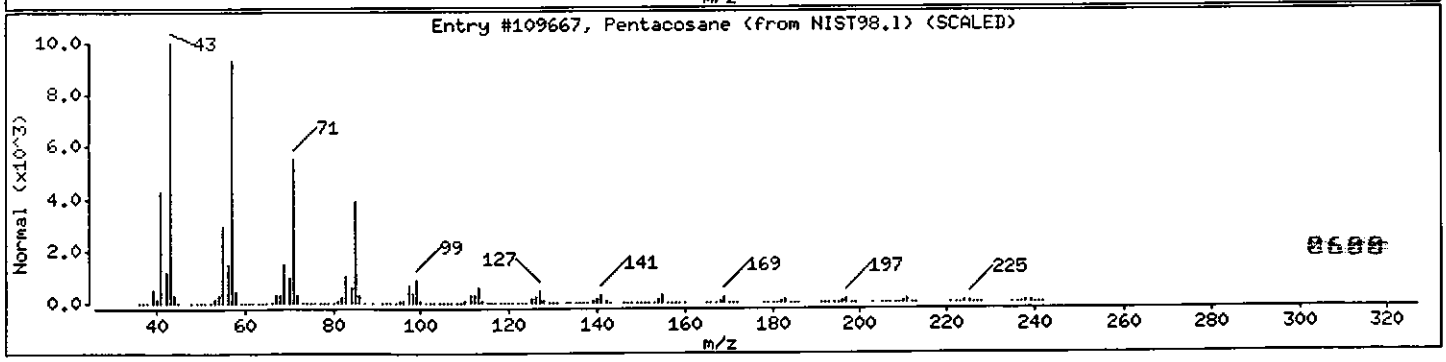
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109662	99	C23H48	324
Heptadecane	629-78-7	NIST98.1	112320	95	C17H36	240
Pentacosane	629-99-2	NIST98.1	109667	93	C25H52	352









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

Volume Injected (uL): 2.0

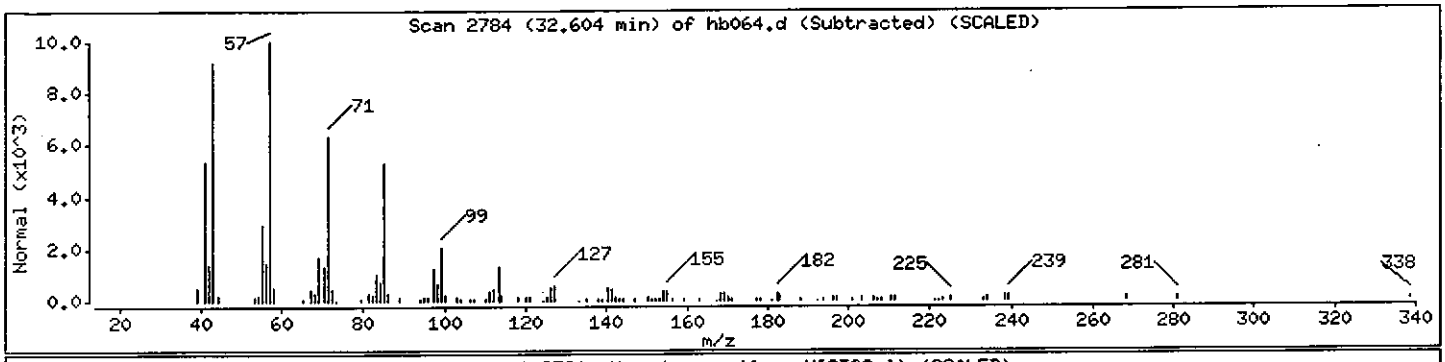
Operator: lmh00956

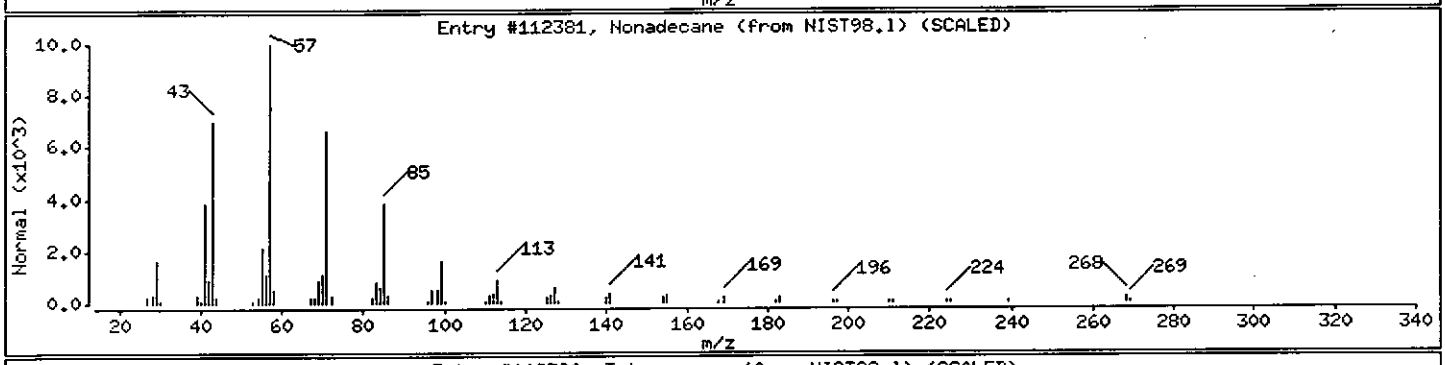
Column phase: J&W DB-5.625

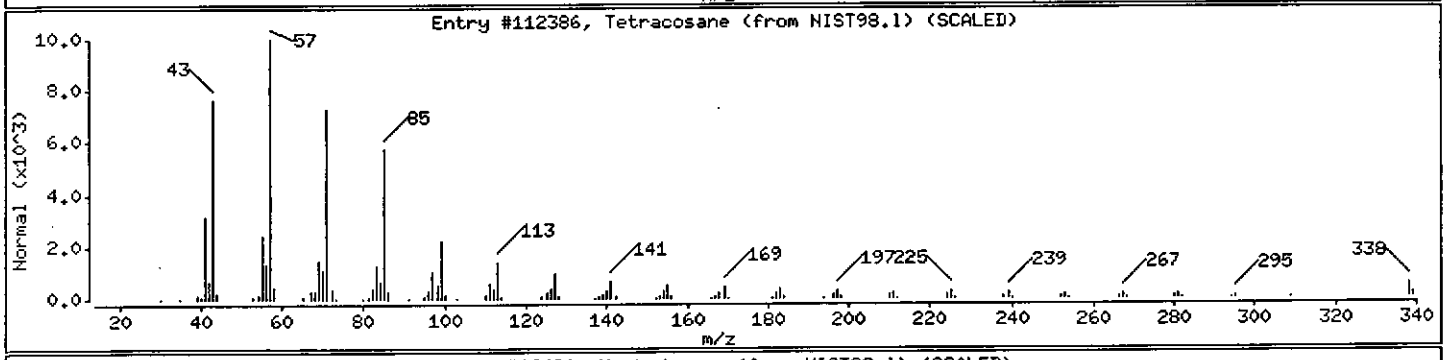
Column diameter: 0.25

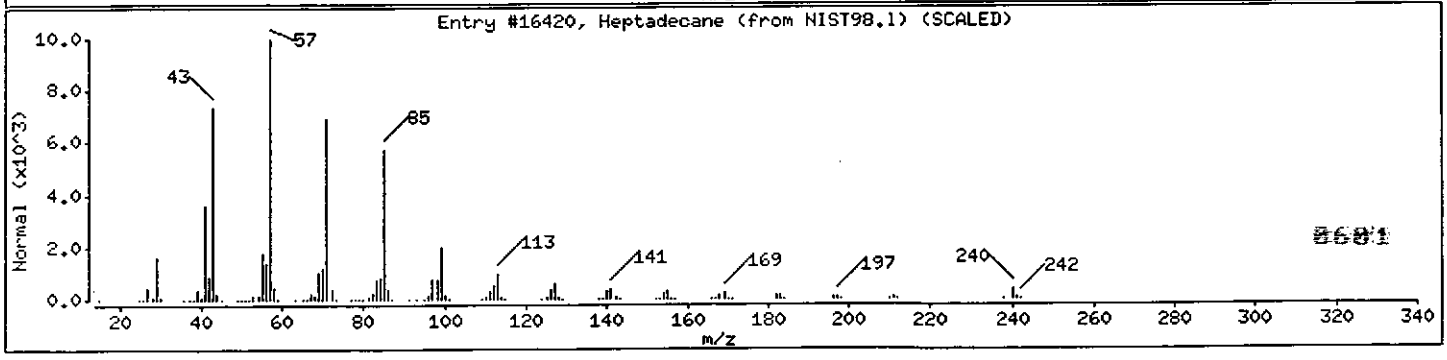
(B) lmh 1988 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	112381	93	C19H40	268
Tetracosane	646-31-1	NIST98.1	112386	91	C24H50	338
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

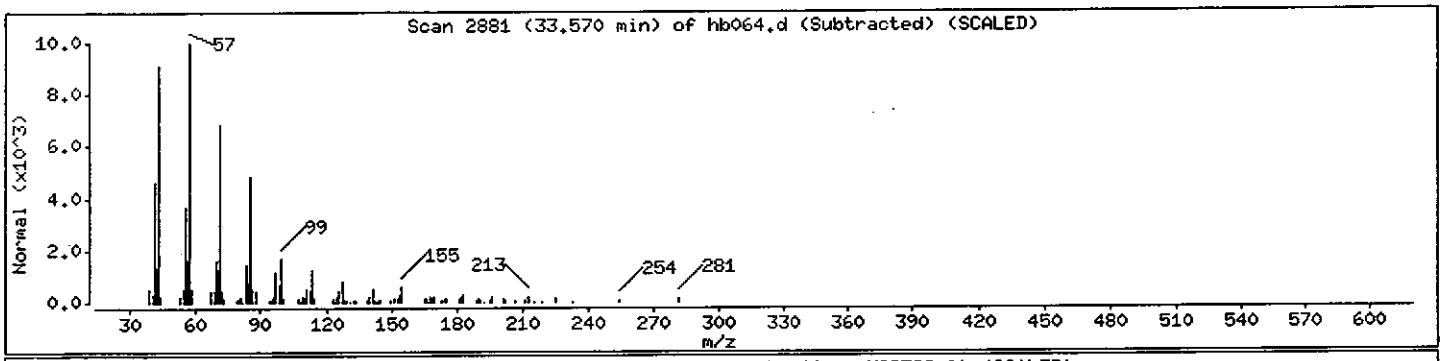
Volume Injected (uL): 2.0

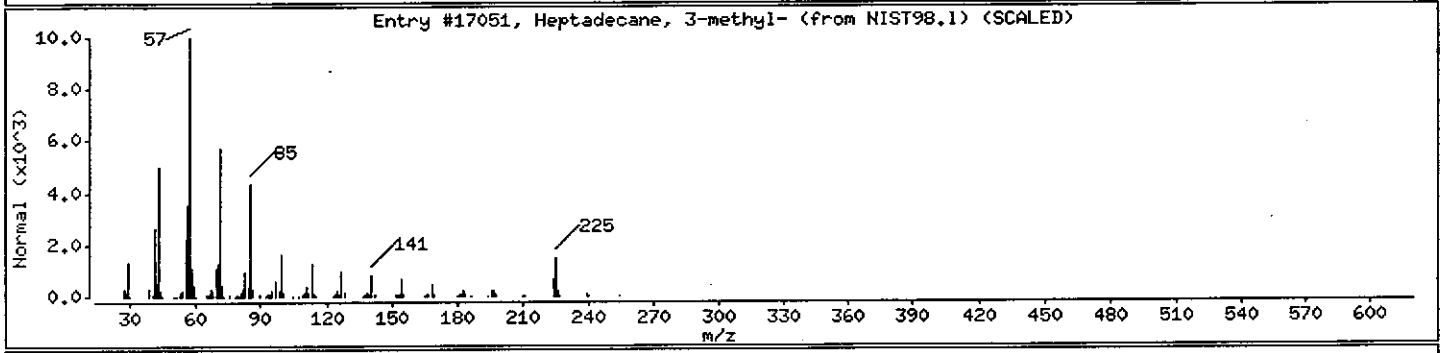
Operator: lmh00956

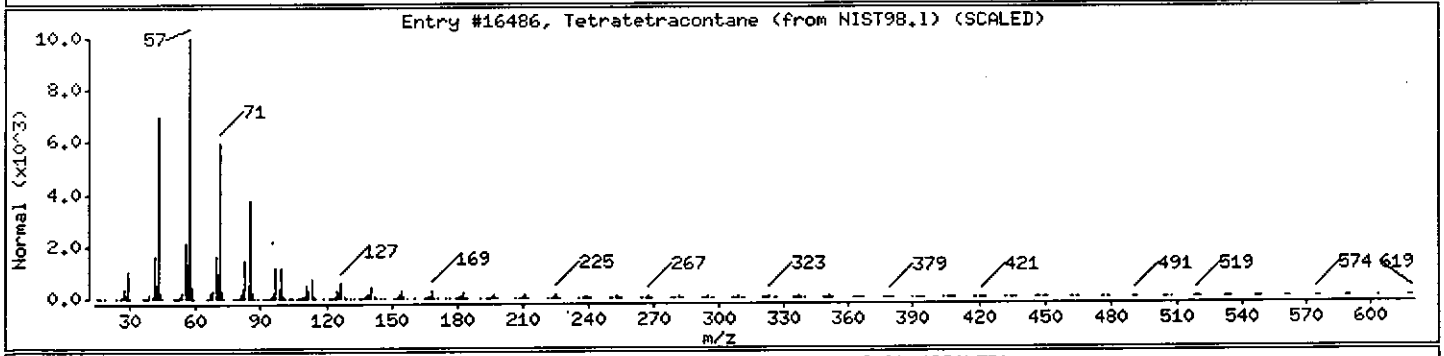
Column phase: J&W DB-5.625

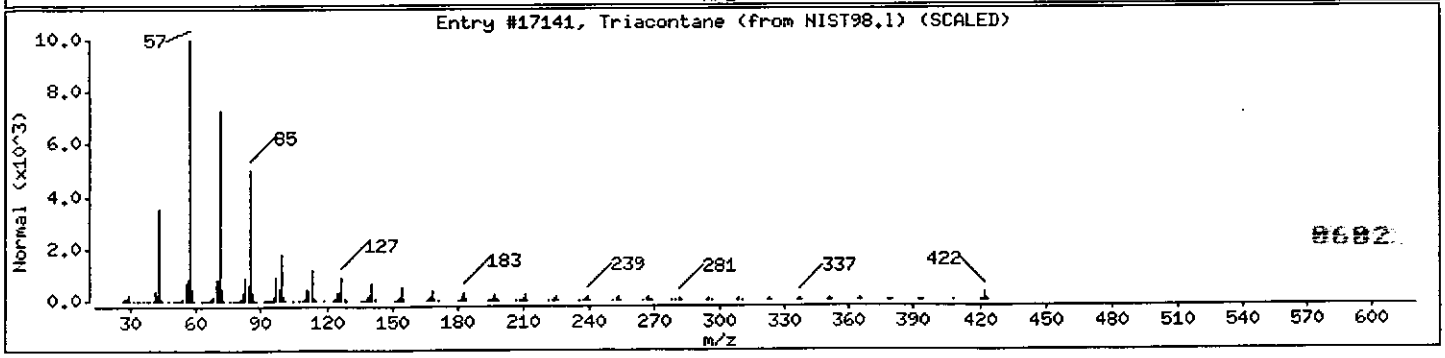
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane, 3-methyl-	6418-44-6	NIST98.1	17051	93	C18H38	254
Tetratetracontane	7098-22-8	NIST98.1	16486	91	C44H90	619
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422









8682

Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

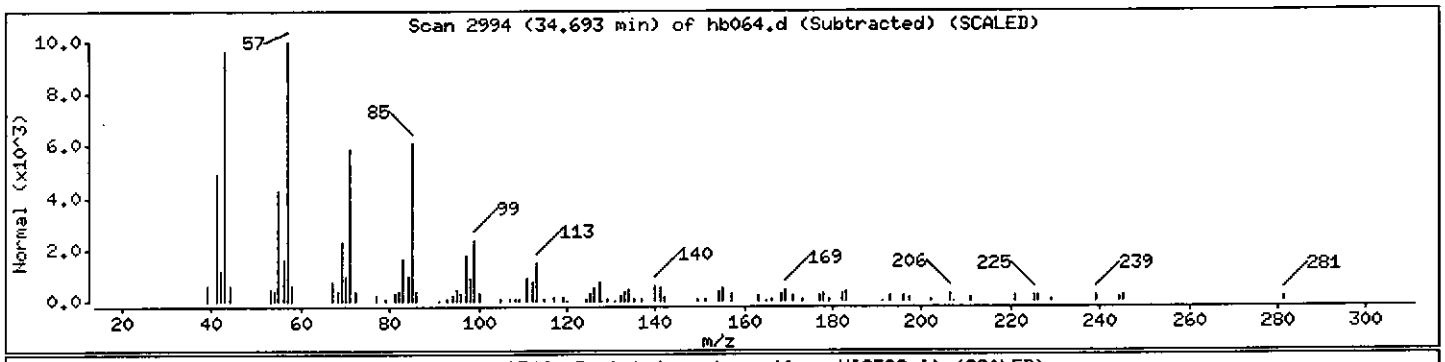
Volume Injected (uL): 2.0

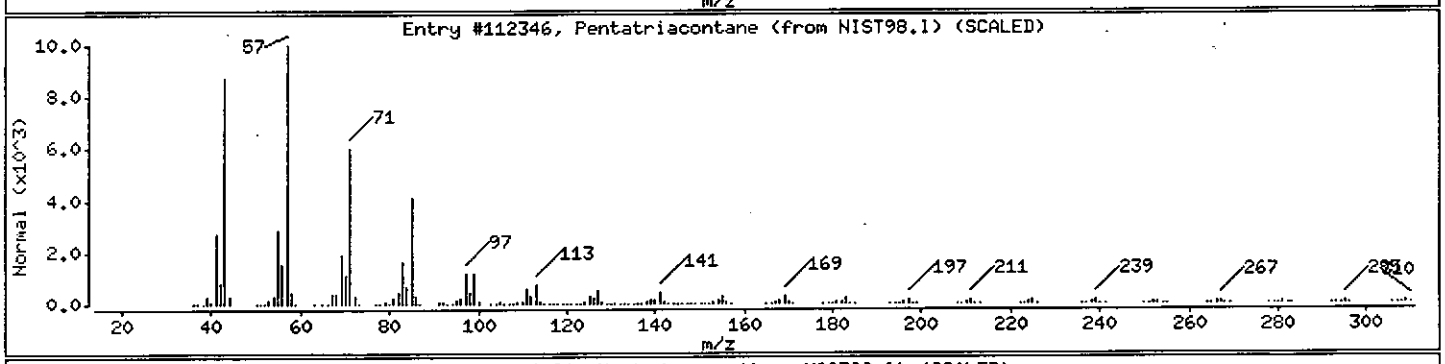
Operator: lmh00956

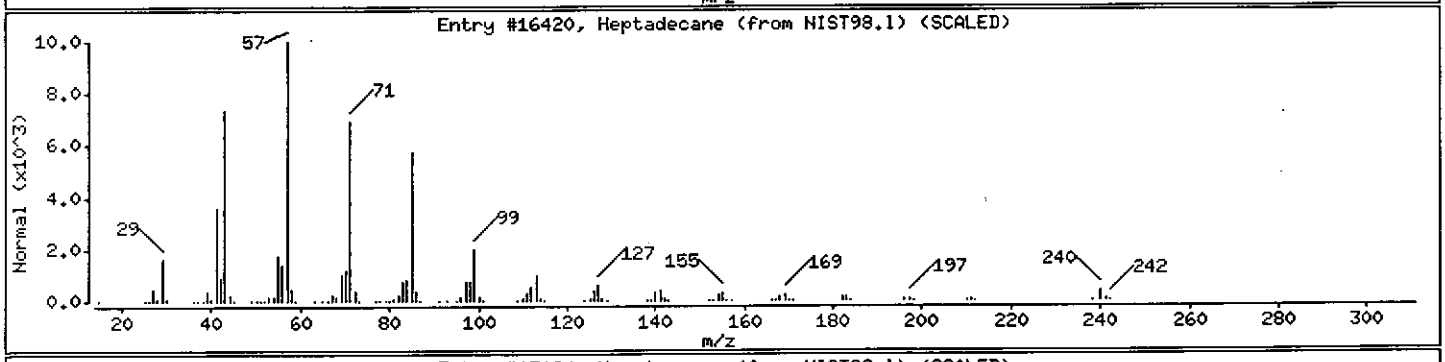
Column phase: J&W DB-5.625

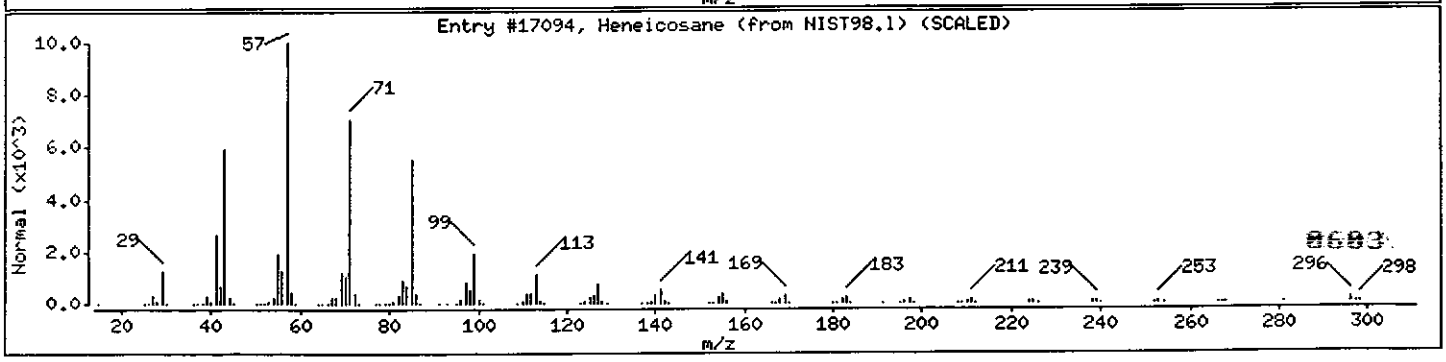
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	90	C35H72	493
Heptadecane	629-78-7	NIST98.1	16420	87	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	86	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

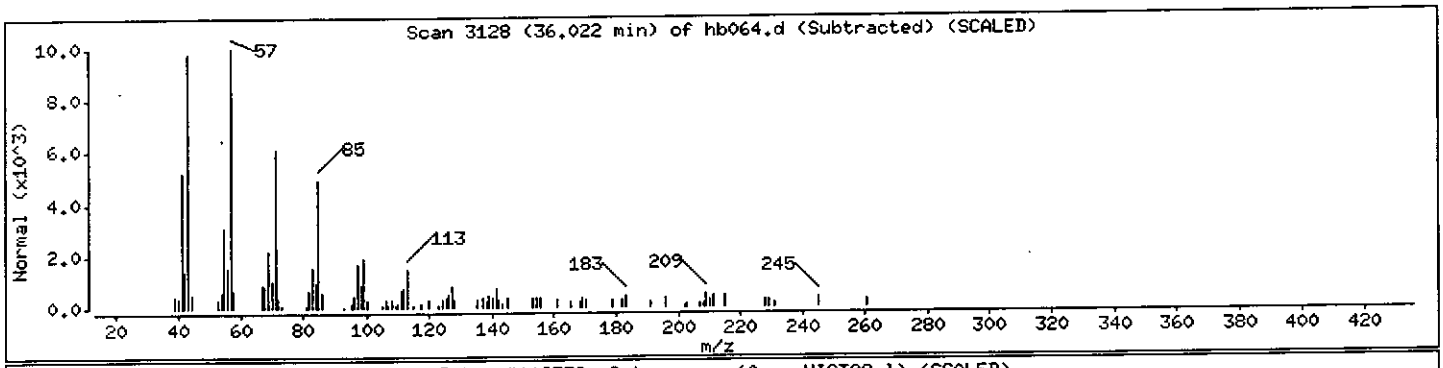
Volume Injected (uL): 2.0

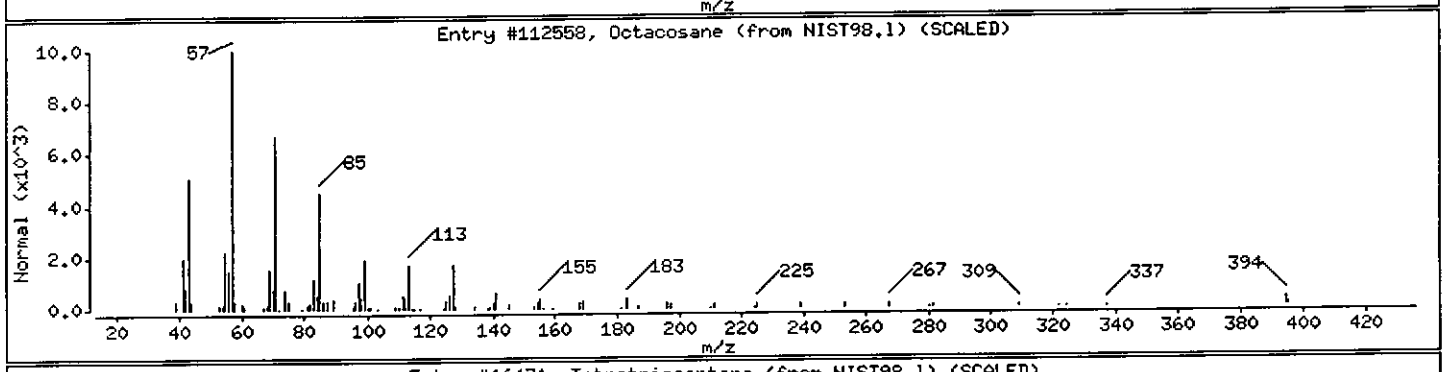
Operator: lmh00956

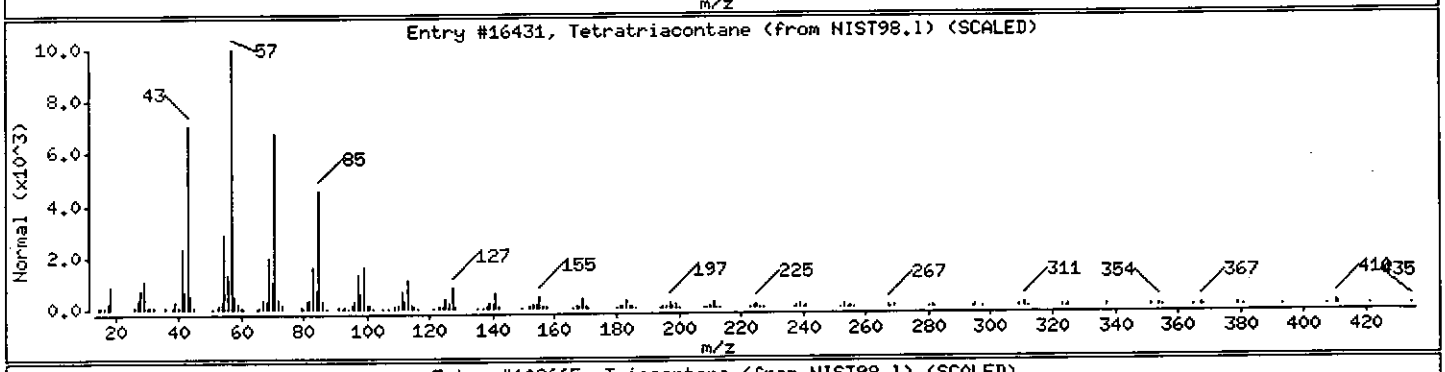
Column phase: J&W DB-5.625

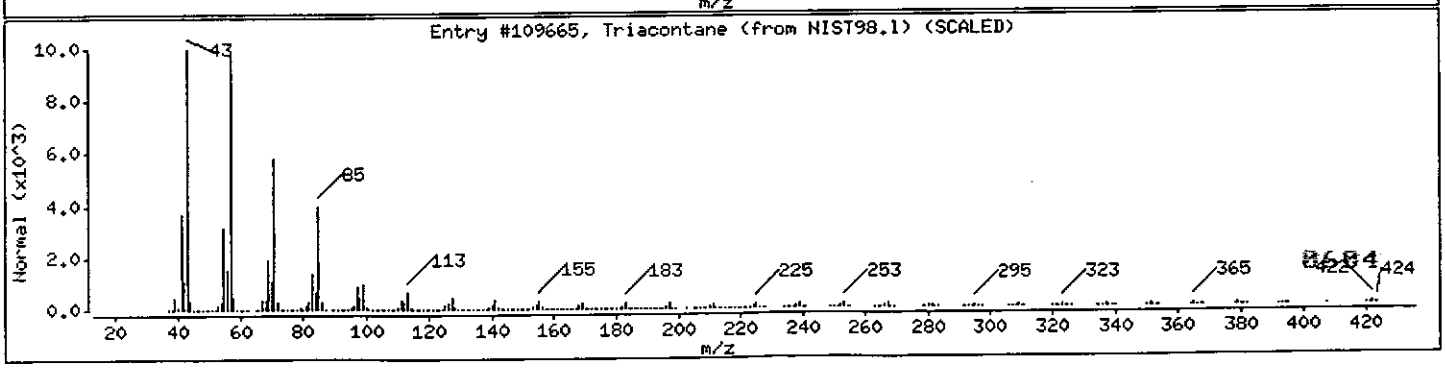
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octacosane	630-02-4	NIST98.1	112558	91	C28H58	394
Tetratriacontane	14167-59-0	NIST98.1	16431	91	C34H70	479
Triacontane	638-68-6	NIST98.1	109665	87	C30H62	422









Data File: /chem/HP04629.i/06feb06a.b/hb064.d

Date : 07-FEB-2006 01:05

Client ID: 6014-

Instrument: HP04629.i

Sample Info: 6014-;4692567;

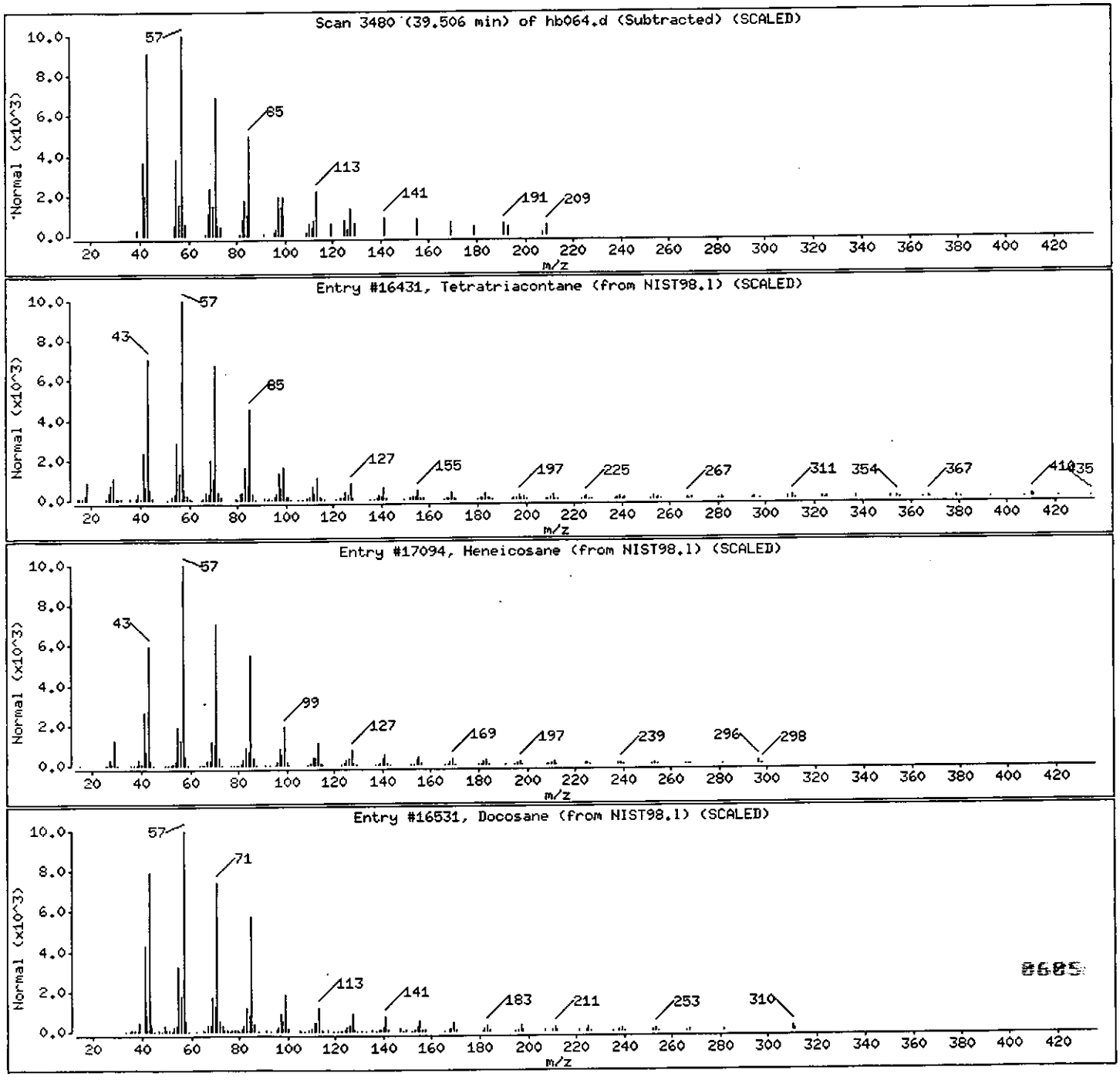
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratriacontane	14167-59-0	NIST98.1	16431	87	C34H70	479
Heneicosane	629-94-7	NIST98.1	17094	86	C21H44	296
Docosane	629-97-0	NIST98.1	16531	86	C22H46	310



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6007-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692568

Sample wt/vol: 30 (g/mL) G Lab File ID: hb065.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 11 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
108-95-2	Phenol	37	U
111-44-4	bis(2-Chloroethyl)ether	37	U
95-57-8	2-Chlorophenol	37	U
541-73-1	1,3-Dichlorobenzene	37	U
106-46-7	1,4-Dichlorobenzene	37	U
95-50-1	1,2-Dichlorobenzene	37	U
95-48-7	2-Methylphenol	37	U
108-60-1	2,2'-oxybis(1-Chloropropane)	37	U
106-44-5	4-Methylphenol	37	U
621-64-7	N-Nitroso-di-n-propylamine	37	U
67-72-1	Hexachloroethane	37	U
98-95-3	Nitrobenzene	37	U
78-59-1	Isophorone	37	U
88-75-5	2-Nitrophenol	37	U
105-67-9	2,4-Dimethylphenol	75	U
111-91-1	bis(2-Chloroethoxy)methane	37	U
120-83-2	2,4-Dichlorophenol	37	U
120-82-1	1,2,4-Trichlorobenzene	37	U
91-20-3	Naphthalene	37	U
106-47-8	4-Chloroaniline	150	U
87-68-3	Hexachlorobutadiene	37	U
59-50-7	4-Chloro-3-methylphenol	37	U
91-57-6	2-Methylnaphthalene	37	U
77-47-4	Hexachlorocyclopentadiene	75	U
88-06-2	2,4,6-Trichlorophenol	37	U
95-95-4	2,4,5-Trichlorophenol	37	U
91-58-7	2-Chloronaphthalene	37	U
88-74-4	2-Nitroaniline	37	U
131-11-3	Dimethylphthalate	37	U
606-20-2	2,6-Dinitrotoluene	37	U

0606

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6007-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692568

Sample wt/vol: 30 (g/mL) G Lab File ID: hb065.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 11 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
208-96-8	Acenaphthylene	37	U
99-09-2	3-Nitroaniline	75	U
83-32-9	Acenaphthene	37	U
51-28-5	2,4-Dinitrophenol	190	U
100-02-7	4-Nitrophenol	37	U
132-64-9	Dibenzofuran	37	U
121-14-2	2,4-Dinitrotoluene	37	U
84-66-2	Diethylphthalate	37	U
7005-72-3	4-Chlorophenyl-phenylether	37	U
86-73-7	Fluorene	37	U
100-01-6	4-Nitroaniline	75	U
534-52-1	4,6-Dinitro-2-methylphenol	37	U
86-30-6	N-Nitrosodiphenylamine	37	U
101-55-3	4-Bromophenyl-phenylether	37	U
118-74-1	Hexachlorobenzene	37	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	44	J
120-12-7	Anthracene	37	U
86-74-8	Carbazole	37	U
84-74-2	Di-n-butylphthalate	75	U
206-44-0	Fluoranthene	37	U
129-00-0	Pyrene	37	U
85-68-7	Butylbenzylphthalate	37	U
91-94-1	3,3'-Dichlorobenzidine	75	U
56-55-3	Benzo(a)anthracene	37	U
117-81-7	bis(2-Ethylhexyl)phthalate	37	U
218-01-9	Chrysene	37	U
117-84-0	Di-n-octylphthalate	37	U
205-99-2	Benzo(b)fluoranthene	37	U
207-08-9	Benzo(k)fluoranthene	37	U

8687

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6007-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692568

Sample wt/vol: 30 (g/mL) G Lab File ID: hb065.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 11 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
50-32-8--------	Benzo(a)pyrene	37	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	37	U
53-70-3--------	Dibenz(a,h)anthracene	37	U
191-24-2-------	Benzo(g,h,i)perylene	37	U

0600

6007-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692568

Data file: /chem/HP04629.i/06feb06a.b/hb065.d
Blank Data file reference: **/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 07-FEB-2006 02:08
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 ms101251

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 01:34
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.386(0.006)	848	152.0	106348(24)	40.00	
41) Naphthalene-d8	17.183(0.002)	1232	136.0	364815(18)	40.00	
64) Acenaphthene-d10	22.627(0.000)	1781	164.0	192157(14)	40.00	
87) Phenanthrene-d10	27.180(0.001)	2239	188.0	297993(13)	40.00	
99) Chrysene-d12	34.316(-0.001)	2955	240.0	209264(8)	40.00	
105) Perylene-d12	41.306(-0.015)	3661	264.0	150014(3)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.743(-0.002)	112	468446	115.177	77%		25 - 121
10) Phenol-d5	(1)	12.181(0.000)	99	582568	131.182	87%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.724(0.000)	132	508616	121.784	81%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.841(0.000)	152	187813	71.290	71%		20 - 130
32) Nitrobenzene-d5	(2)	14.987(0.000)	82	316954	83.713	84%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.473(0.000)	172	565962	83.506	84%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.081(0.000)	330	153200	123.089	82%		19 - 122
94) Terphenyl-d14	(5)	31.297(0.000)	244	491561	98.163	98%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)				Below MDL, Do not report				2.00
13) bis(2-Chloroethyl)ether	(1)				Below MDL, Do not report				2.00
15) 2-Chlorophenol	(1)				ND	ND			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)				ND	ND			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report				2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				ND	ND			2.00
28) N-Nitroso-di-n-propylamine	(1)				Below MDL, Do not report				2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report				2.00
30) Hexachloroethane	(1)				ND	ND			2.00
33) Nitrobenzene	(2)				Below MDL, Do not report				2.00
34) Isophorone	(2)				Below MDL, Do not report				2.00
35) 2-Nitrophenol	(2)				Below MDL, Do not report				2.00
36) 2,4-Dimethylphenol	(2)				ND	ND			4.00
37) bis(2-Chloroethoxy)methane	(2)				Below MDL, Do not report				2.00
39) 2,4-Dichlorophenol	(2)				Below MDL, Do not report				2.00
40) 1,2,4-Trichlorobenzene	(2)				ND	ND			2.00
42) Naphthalene	(2)				Below MDL, Do not report				2.00
43) 4-Chloroaniline	(2)				Below MDL, Do not report				8.00

8689

6007-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692568

Data file: /chem/HP04629.i/06feb06a.b/hb065.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 02:08 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 msl01251

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 01:34
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)					Below MDL, Do not report				2.00
49) 2-Methylnaphthalene	(2)					Below MDL, Do not report				2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)					Below MDL, Do not report				2.00
53) 2,4,5-Trichlorophenol	(3)					Below MDL, Do not report				2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)					Below MDL, Do not report				2.00
60) Dimethylphthalate	(3)					Below MDL, Do not report				2.00
61) 2,6-Dinitrotoluene	(3)					Below MDL, Do not report				2.00
62) Acenaphthylene	(3)					Below MDL, Do not report				2.00
63) 3-Nitroaniline	(3)					Below MDL, Do not report				4.00
67) Acenaphthene	(3)					Below MDL, Do not report				2.00
68) 2,4-Dinitrophenol	(3)					ND	ND			10.00
69) 4-Nitrophenol	(3)					Below MDL, Do not report				2.00
71) Dibenzofuran	(3)					Below MDL, Do not report				2.00
72) 2,4-Dinitrotoluene	(3)					Below MDL, Do not report				2.00
74) Diethylphthalate	(3)					Below MDL, Do not report				2.00
76) Fluorene	(3)					Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					Below MDL, Do not report				2.00
78) 4-Nitroaniline	(3)					Below MDL, Do not report				4.00
79) 4,6-Dinitro-2-methylphenol	(4)					Below MDL, Do not report				2.00
80) N-Nitrosodiphenylamine	(4)					Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ND	ND			2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)					ND	ND			10.00
88) Phenanthrene	(4)	27.240	(0.000)	178	20996	2.341	39.02			2.00
89) Anthracene	(4)					Below MDL, Do not report				2.00
90) Carbazole	(4)					Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)					Below MDL, Do not report				4.00
92) Fluoranthene	(4)					Below MDL, Do not report				2.00
93) Pyrene	(5)					Below MDL, Do not report				2.00
95) Butylbenzylphthalate	(5)					Below MDL, Do not report				2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			4.00
97) Benzo(a)anthracene	(5)					Below MDL, Do not report				2.00
100) Chrysene	(5)					Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report				2.00
101) Di-n-octylphthalate	(6)					Below MDL, Do not report				2.00
102) Benzo(b)fluoranthene	(6)					Below MDL, Do not report				2.00
103) Benzo(k)fluoranthene	(6)					Below MDL, Do not report				2.00
104) Benzo(a)pyrene	(6)					Below MDL, Do not report				2.00

8619

6007-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692568

Data file: /chem/HP04629.i/06feb06a.b/hb065.d
Blank Data file reference: **/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 07-FEB-2006 02:08
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 msl01251

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 01:34
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

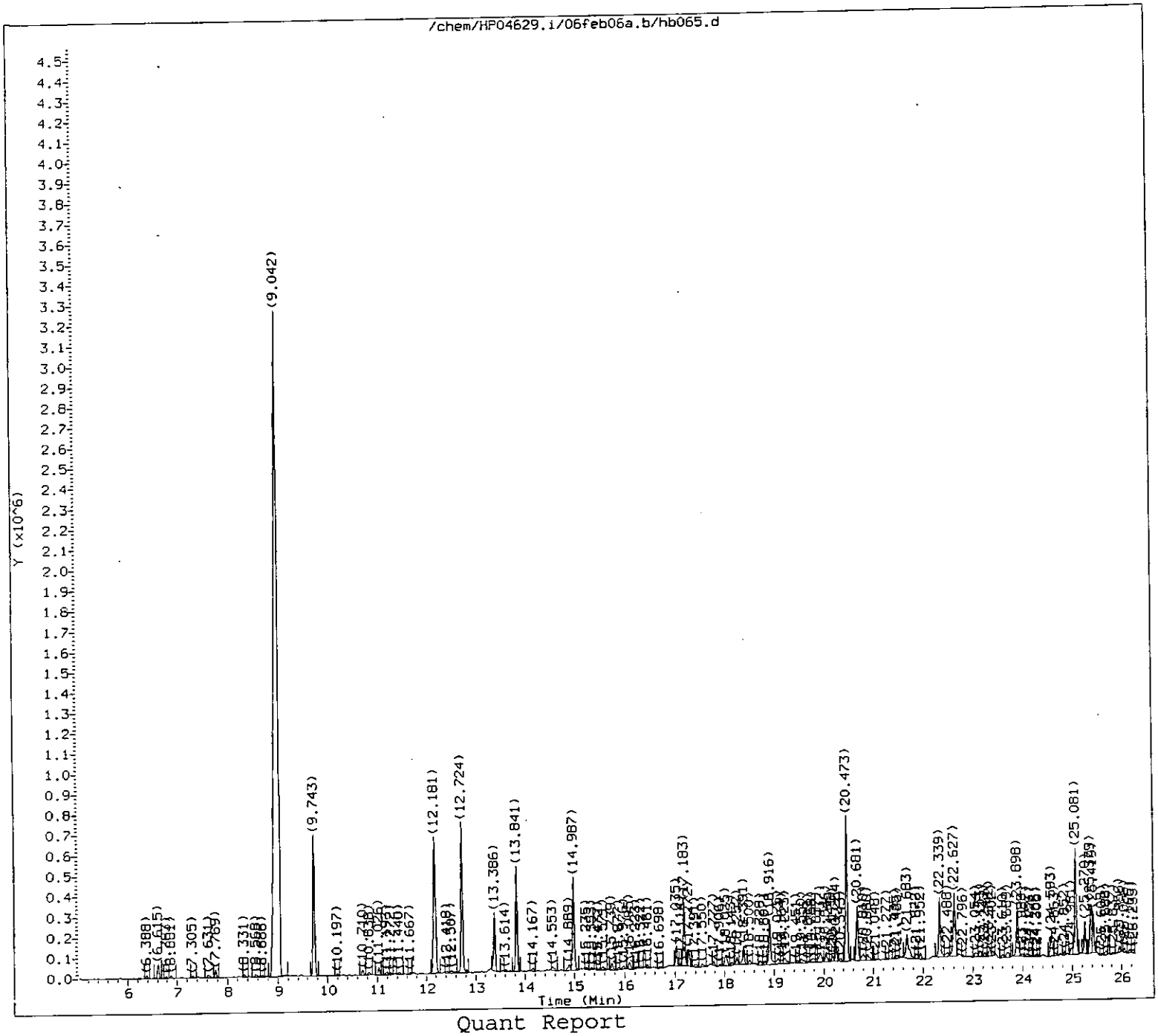
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: [illegible] Date: 2/7/06
Auditor: [illegible] Date: 2/7/06

8611



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Injection date and time: 07-FEB-2006 02:08

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 01:34

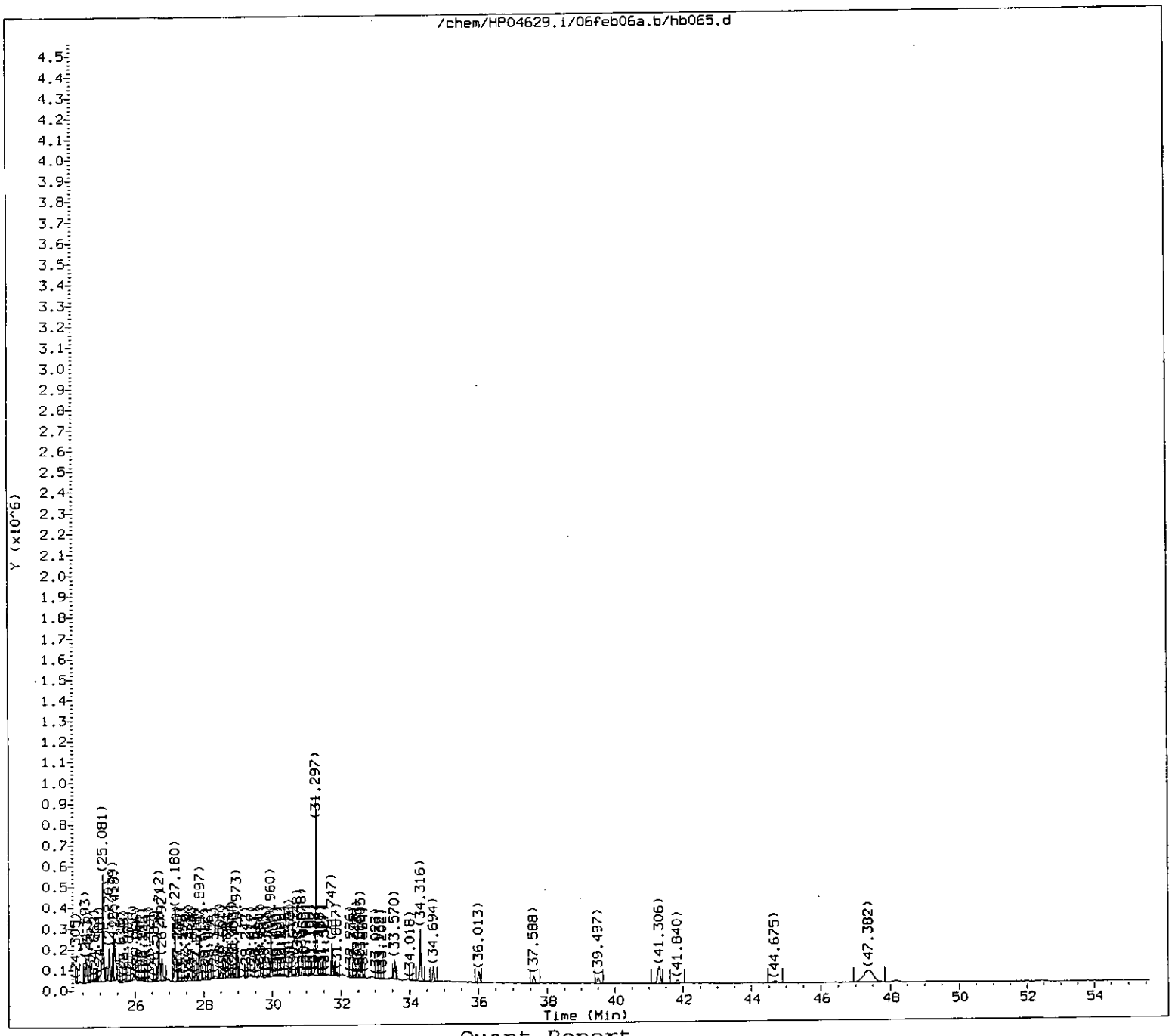
Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 msl01251

Sample Name: 6007-

Lab Sample ID: 4692568

WJH 25 2/7/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Injection date and time: 07-FEB-2006 02:08

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 01:34

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 msl01251

Sample Name: 6007-

Lab Sample ID: 4692568

LMH 2/8/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Injection date and time: 07-FEB-2006 02:08

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 01:34

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:13 msl01251

Sample Name: 6007-

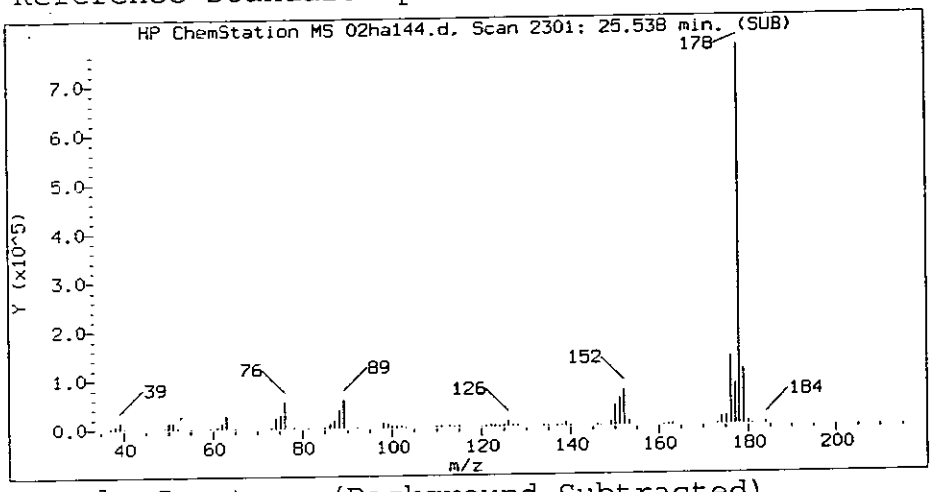
Lab Sample ID: 4692568

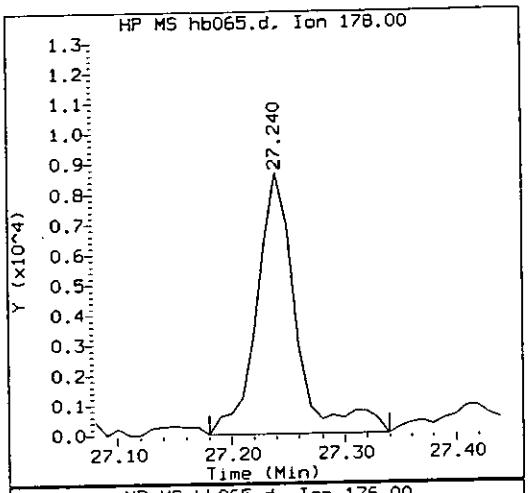
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.386	152	106348	40.000
41) Naphthalene-d8	(2)	17.183	136	364815	40.000
64) Acenaphthene-d10	(3)	22.627	164	192157	40.000
87) Phenanthrene-d10	(4)	27.180	188	297993	40.000
88) Phenanthrene	(4)	27.240	178	20996	2.341
99) Chrysene-d12	(5)	34.316	240	209264	40.000
105) Perylene-d12	(6)	41.306	264	150014	40.000
4) 2-Fluorophenol	(1)	9.743	112	468446	115.177
10) Phenol-d5	(1)	12.181	99	582568	131.182
14) 2-Chlorophenol-d4	(1)	12.724	132	508616	121.784
21) 1,2-Dichlorobenzene-d4	(1)	13.841	152	187813	71.290
32) Nitrobenzene-d5	(2)	14.987	82	316954	83.713
54) 2-Fluorobiphenyl	(3)	20.473	172	565962	83.506
82) 2,4,6-Tribromophenol	(4)	25.081	330	153200	123.089
94) Terphenyl-d14	(5)	31.297	244	491561	98.163

M = Compound was manually integrated.

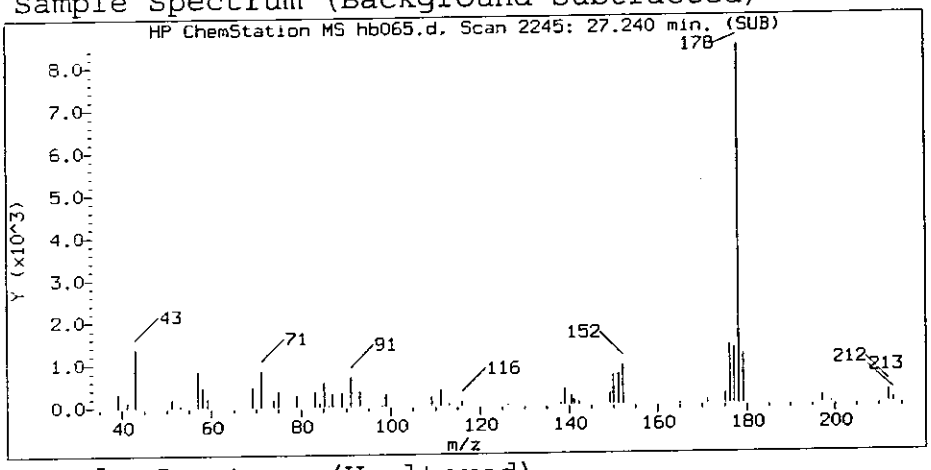
A = User selected an alternate hit

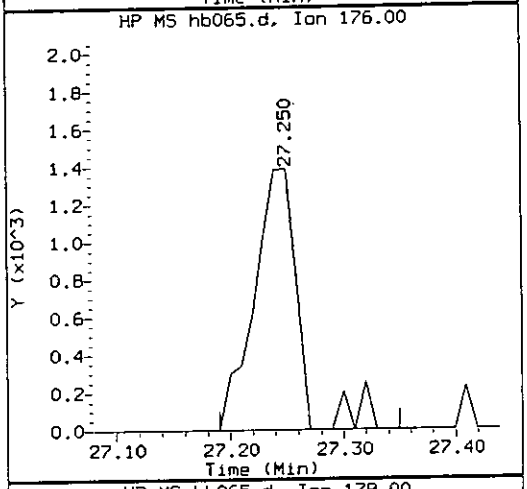
Reference Standard Spectrum for Phenanthrene



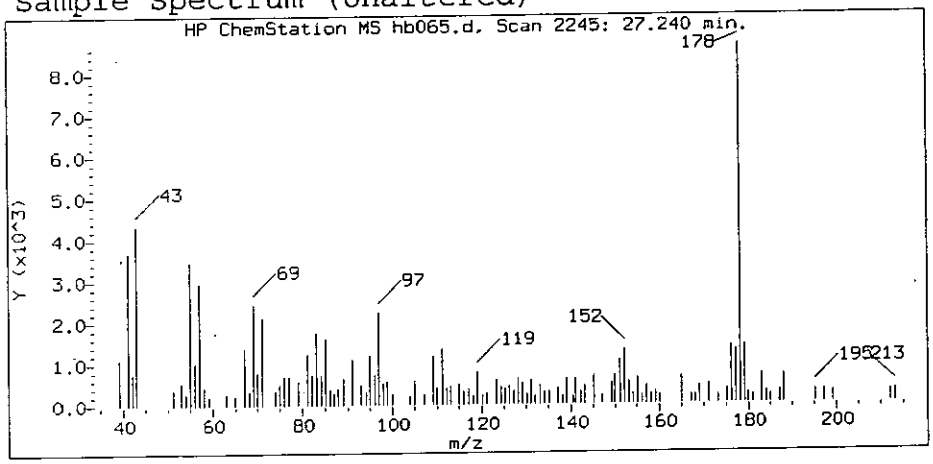


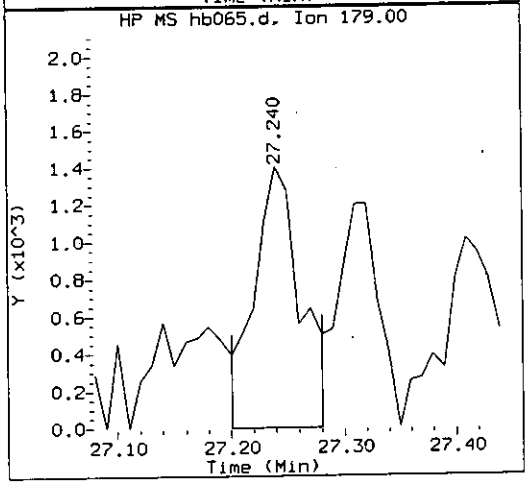
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Injection date and time: 07-FEB-2006 02:08

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 01:34

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 05:55 msl01251

Sample Name: 6007-

Lab Sample ID: 4692568

Compound Number	: 88
Compound Name	: Phenanthrene
Scan Number	: 2245
Retention Time (minutes)	: 27.240
Quant Ion	: 178.0
Area (flag)	: 20996
Concentration (2ng/ul)	: 2.3414

0615

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6007-

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4692568

Sample wt/vol: 30 (g/mL) g Lab File ID: hb065.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 11 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Naphthalene, decahydro-, cis	14.552	83	J X
2.	Unknown	14.889	120	J
3.	Naphthalene, decahydro-2-met	15.739	86	J X
4.	Unknown	16.095	100	J
5.	Unknown	18.025	180	J
6.	Unknown	19.075	110	J
7.	Unknown	19.550	76	J
8.	Unknown	19.758	79	J
9.	Unknown	19.937	160	J
10.	Unknown	20.810	120	J
11.	Unknown	20.880	99	J
12.	Unknown	21.952	88	J
13.	Unknown	23.054	78	J
14.	Unknown	23.689	95	J
15.	Unknown	24.981	76	J
16.	Unknown	25.270	280	J B
17.	Unknown	26.424	110	J
18.	Unknown	27.579	110	J
19.	Unknown	28.505	120	J
20.	Unknown	28.604	76	J
21.	Unknown	30.519	100	J
22.	Unknown Carboxylic Acid	30.748	180	J B
23.	Unknown	32.485	90	J B
24.	Unknown	47.382	1800	J
25.				
26.				
27.				
28.				
29.				
30.				

8616

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6007-

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4692568

Sample wt/vol: 30 (g/mL) g Lab File ID: hb065.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 11 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 20 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkane	18.391	240	J
2.	Unknown Alkane	18.916	560	J
3.	Unknown Alkane	20.681	620	J
4.	Unknown Alkane	21.683	450	J
5.	Unknown Alkane	22.339	670	J
6.	Unknown Alkane	23.898	530	J
7.	Unknown Alkane	24.593	330	J
8.	Unknown Alkane	25.379	430	J
9.	Unknown Alkane	25.419	400	J
10.	Unknown Alkane	26.712	370	J
11.	Unknown Alkane	26.792	260	J
12.	Unknown Alkane	27.897	370	J
13.	Unknown Alkane	28.973	280	J
14.	Unknown Alkane	29.960	310	J
15.	Unknown Alkane	30.878	300	J
16.	Unknown Alkane	31.747	290	J
17.	Unknown Alkane	32.605	220	J B
18.	Unknown Alkane	33.570	230	J
19.	Unknown Alkane	34.694	240	J
20.	Unknown Alkane	39.497	240	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

9617

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb065.d
Lab Smp Id: 4692568 Client Smp ID: 6007-
Inj Date : 07-FEB-2006 02:08
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6007-;4692568;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 08:42 jmg00346 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCLP.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt * Gf/(Vi * Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)(1000 low, 2
Gf	2.00000	Gpc Factor
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 18 1,4-Dichlorobenzene-d4	13.386	654683	40.000
* 41 Naphthalene-d8	17.183	805000	40.000
* 64 Acenaphthene-d10	22.627	803414	40.000
* 87 Phenanthrene-d10	27.180	935838	40.000
* 99 Chrysene-d12	34.316	768893	40.000
* 105 Perylene-d12	41.306	464342	40.000

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Naphthalene, decahydro-, cis-				CAS #:			
14.553	72353	4.42062500	73.67708	94	NIST98.1	108746	18
Unknown				CAS #:			
14.889	106359	6.49832834	108.30547	0		0	18
Naphthalene, decahydro-2-methyl-				CAS #:			
15.739	92582	4.60033485	76.67224	98	NIST98.1	116059	41
Unknown				CAS #:			
16.095	112266	5.57841643	92.97360	0		0	41
Unknown				CAS #:			
18.025	197400	9.80869607	163.47826	0		0	41
Unknown Alkane				CAS #:			
18.391	255351	12.6882535	211.47089	0		0	41
Unknown Alkane				CAS #:			
18.916	602872	29.9563654	499.27275	0		0	41
Unknown				CAS #:			
19.075	115097	5.71908901	95.31815	0		0	41
Unknown				CAS #:			
19.550	82238	4.08636976	68.10616	0		0	41
Unknown				CAS #:			
19.758	85238	4.23541087	70.59018	0		0	41
Unknown				CAS #:			
19.937	174834	8.70453487	145.07558	0		0	64
Unknown Alkane				CAS #:			
20.681	667602	33.2382613	553.97102	0		0	64
Unknown				CAS #:			
20.810	128821	6.41366148	106.89435	0		0	64
Unknown				CAS #:			
20.880	106460	5.30039761	88.33996	0		0	64
Unknown Alkane				CAS #:			
21.683	480960	23.9458170	399.09695	0		0	64

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
21.952	94534	4.70659815	78.44330	0		0	64
Unknown Alkane				CAS #:			
22.339	716896	35.6924929	594.87488	0		0	64
Unknown				CAS #:			
23.054	83415	4.15302637	69.21710	0		0	64
Unknown				CAS #:			
23.689	102016	5.07914808	84.65246	0		0	64
Unknown Alkane				CAS #:			
23.898	572579	28.5072842	475.12140	0		0	64
Unknown Alkane				CAS #:			
24.593	352950	17.5725004	292.87500	0		0	64
Unknown				CAS #:			
24.981	94999	4.06046603	67.67443	0		0	87
Unknown				CAS #:			
25.270	353242	15.0984044	251.64007	0		0	87
Unknown Alkane				CAS #:			
25.379	532605	22.7648161	379.41360	0		0	87
Unknown Alkane				CAS #:			
25.419	501407	21.4313611	357.18935	0		0	87
Unknown				CAS #:			
26.424	142485	6.09015953	101.50265	0		0	87
Unknown Alkane				CAS #:			
26.712	463998	19.8323968	330.53994	0		0	87
Unknown Alkane				CAS #:			
26.792	325901	13.9298098	232.16349	0		0	87
Unknown				CAS #:			
27.579	143673	6.14092691	102.34878	0		0	87
Unknown Alkane				CAS #:			
27.897	464092	19.8364267	330.60711	0		0	87

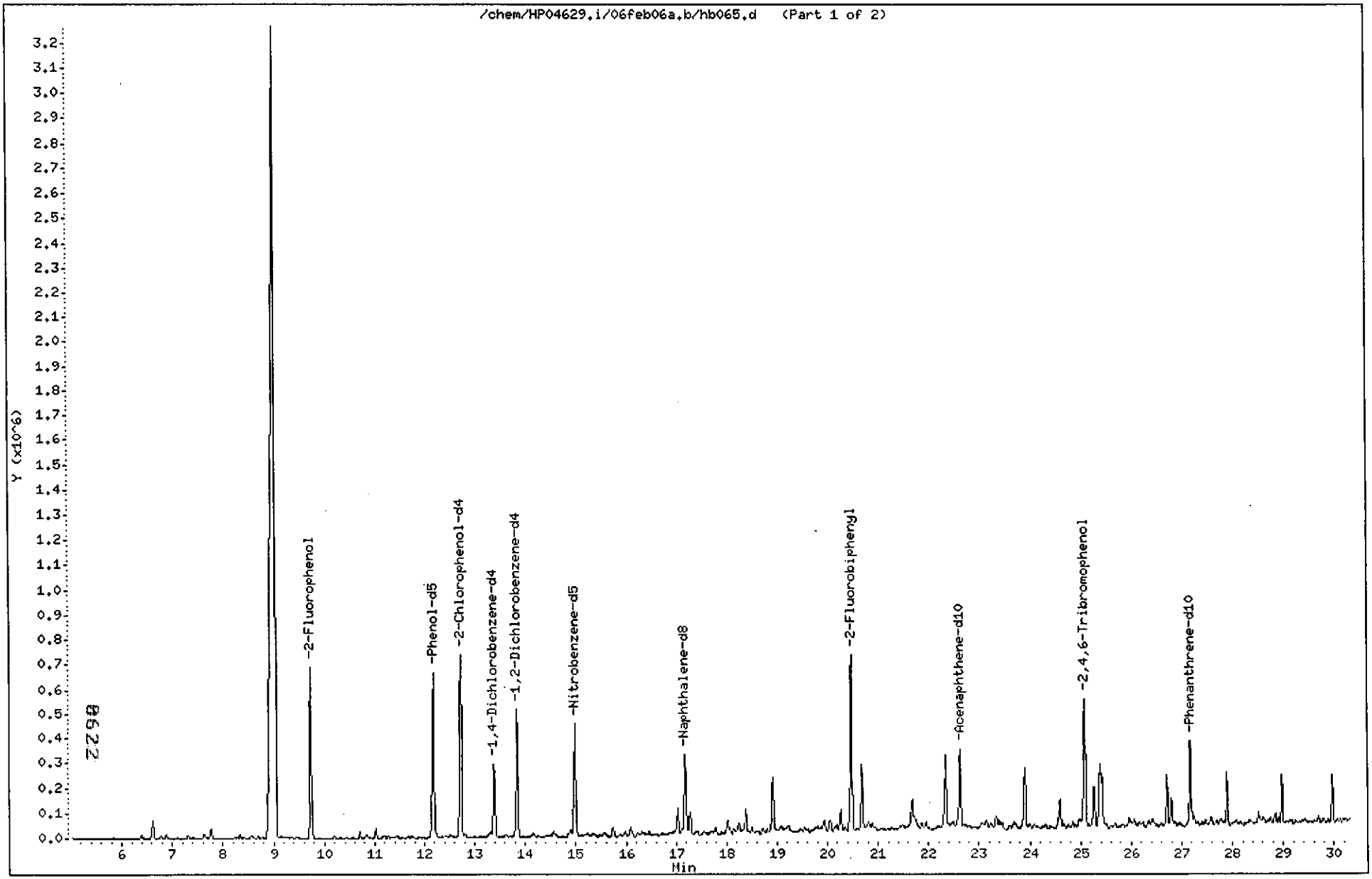
Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Report Date: 07-Feb-2006 08:43

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.505	149661	6.39686741	106.61445	0		0	87
Unknown				CAS #:			
28.604	95260	4.07163640	67.86060	0		0	87
Unknown Alkane				CAS #:			
28.973	353862	15.1249304	252.08217	0		0	87
Unknown Alkane				CAS #:			
29.960	388787	16.6176800	276.96133	0		0	87
Unknown				CAS #:			
30.519	131288	5.61154870	93.52581	0		0	87
Unknown Carboxylic acid ③ CMR/412 2/8/06				CAS #:			
30.748	183157	9.52834485	158.80574	0		0	99
Unknown Alkane				CAS #:			
30.878	311043	16.1813142	269.68856	0		0	99
Unknown Alkane				CAS #:			
31.747	295395	15.3672986	256.12164	0		0	99
Unknown				CAS #:			
32.485	92593	4.81695480	80.28258	0		0	99
Unknown Alkane				CAS #:			
32.605	231604	12.0486993	200.81165	0		0	99
Unknown Alkane				CAS #:			
33.570	239135	12.4404662	207.34110	0		0	99
Unknown Alkane				CAS #:			
34.694	243058	12.6445849	210.74308	0		0	99
Unknown Alkane				CAS #:			
39.497	152333	13.1224461	218.70743	0		0	105
Unknown				CAS #:			
47.382	1148834	98.9643225	1649.40537	0		0	105

Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Date : 07-FEB-2006 02:08
Client ID: 6007-
Sample Info: 6007-;4692568;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

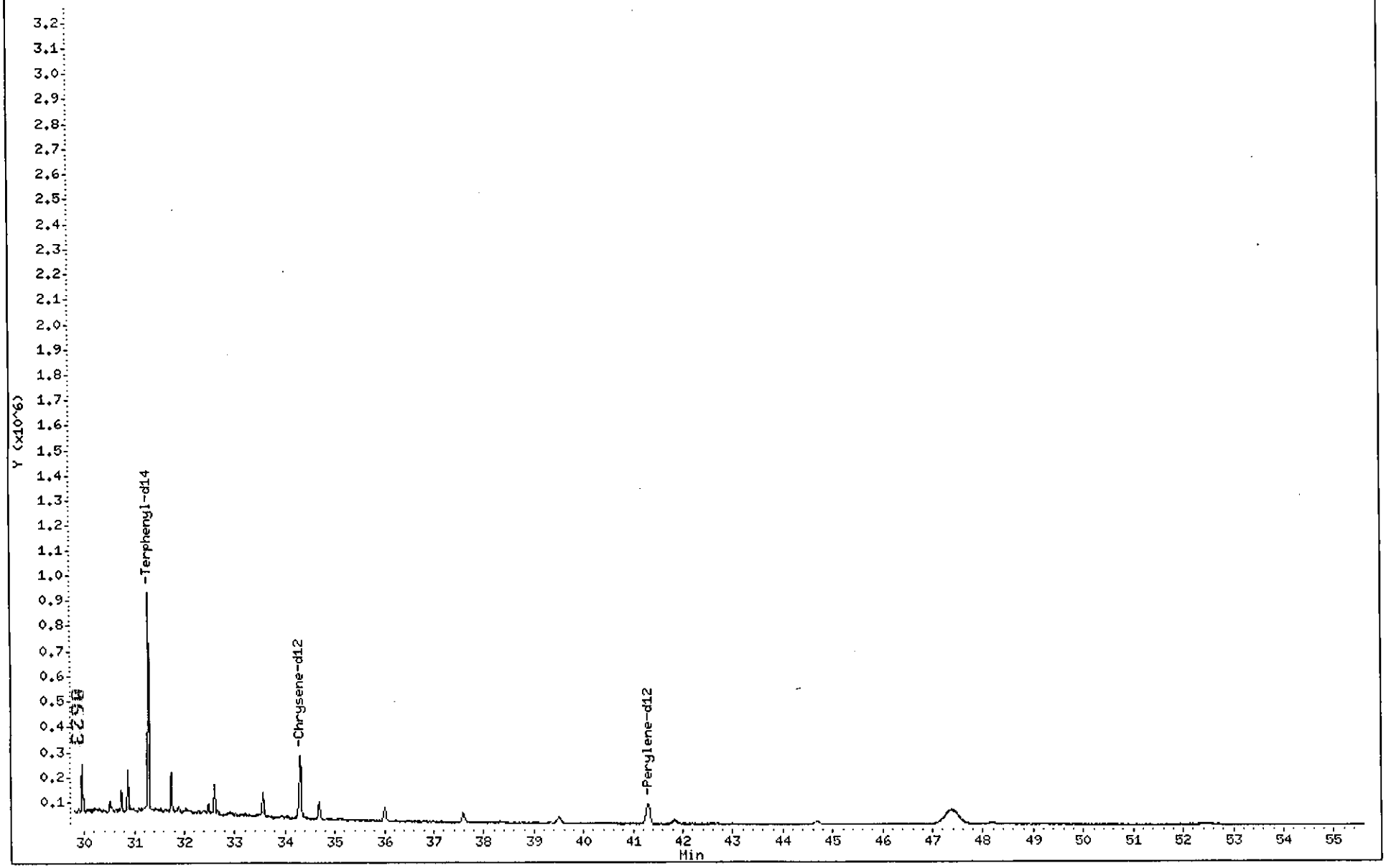


Data File: /chem/HP04629.i/06feb06a.b/hb065.d
Date : 07-FEB-2006 02:08
Client ID: 6007-
Sample Info: 6007-;4692568;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i
Operator: lmh00956
Column diameter: 0.25

JMG 2/07/06

/chem/HP04629.i/06feb06a.b/hb065.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

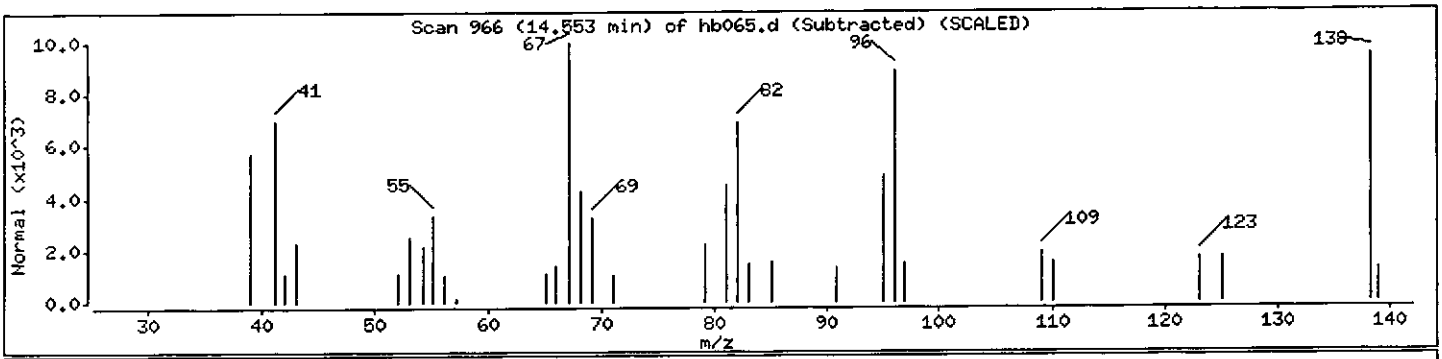
Operator: lmh00956

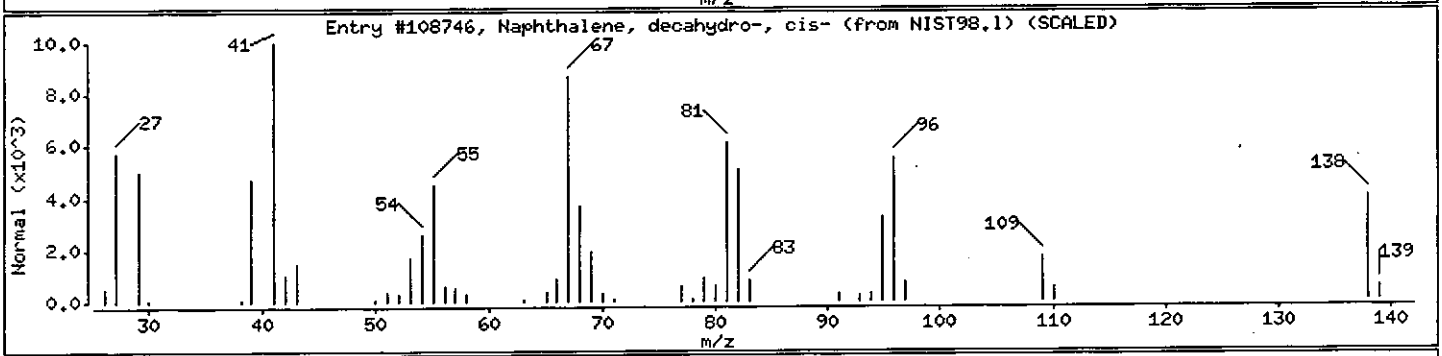
Column phase: J&W DB-5.625

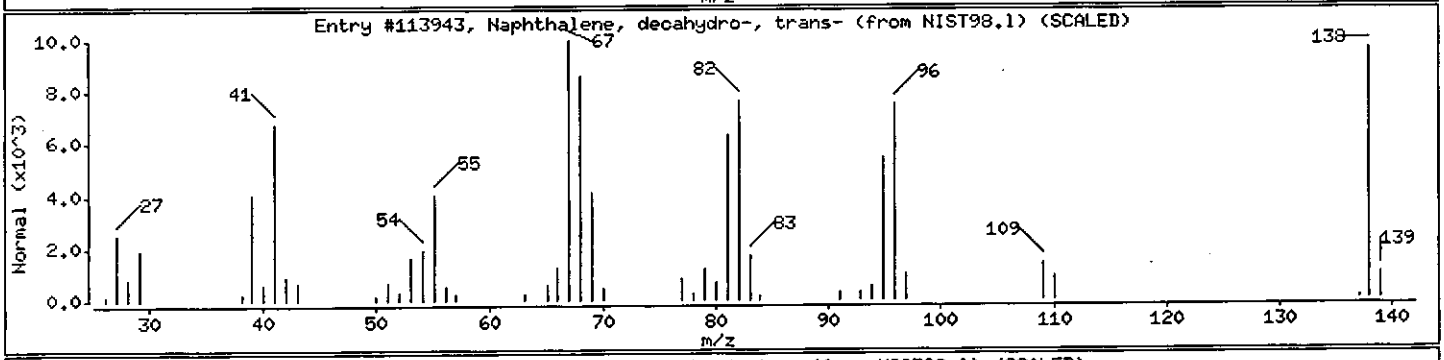
Column diameter: 0.25

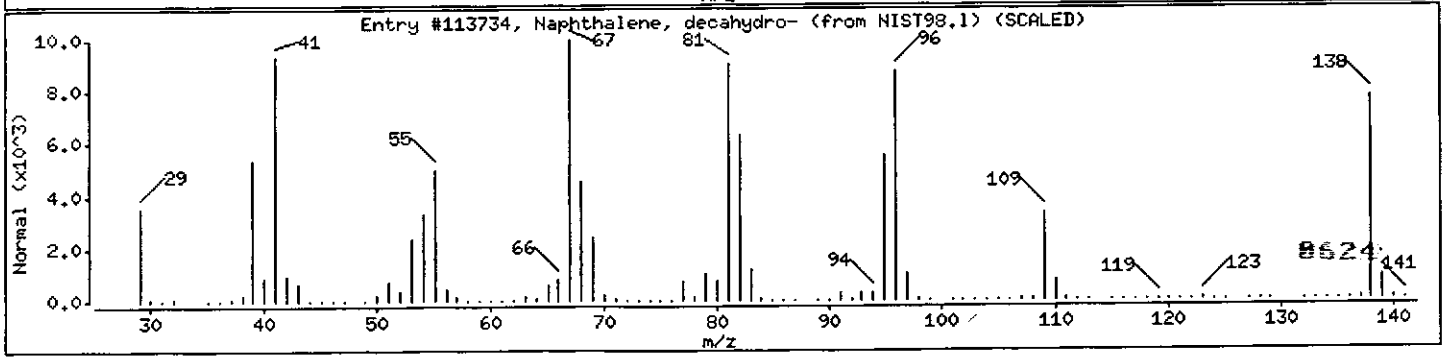
X) Lmn198
02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, decahydro-, cis-		NIST98.1	108746	94	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NIST98.1	113943	93	C10H18	138
Naphthalene, decahydro-	91-17-8	NIST98.1	113734	93	C10H18	138









8624

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

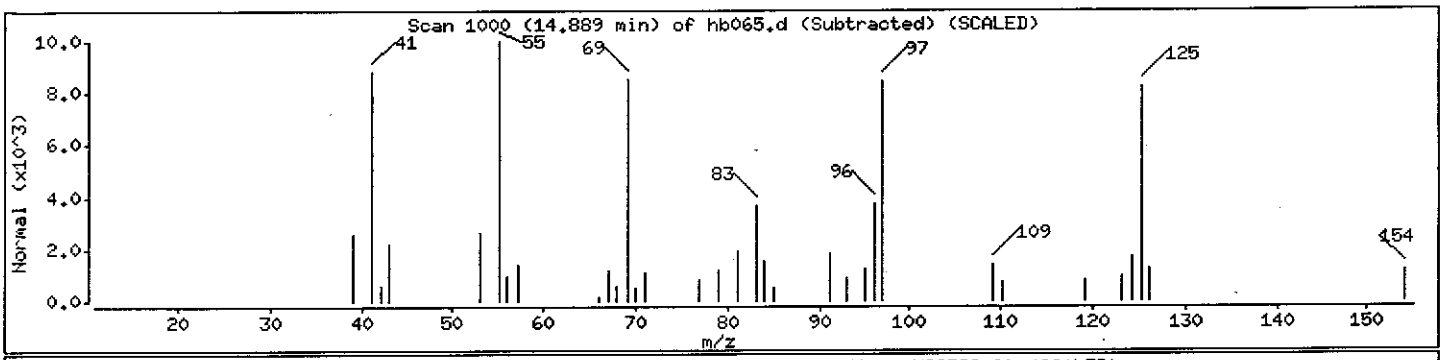
Volume Injected (uL): 2.0

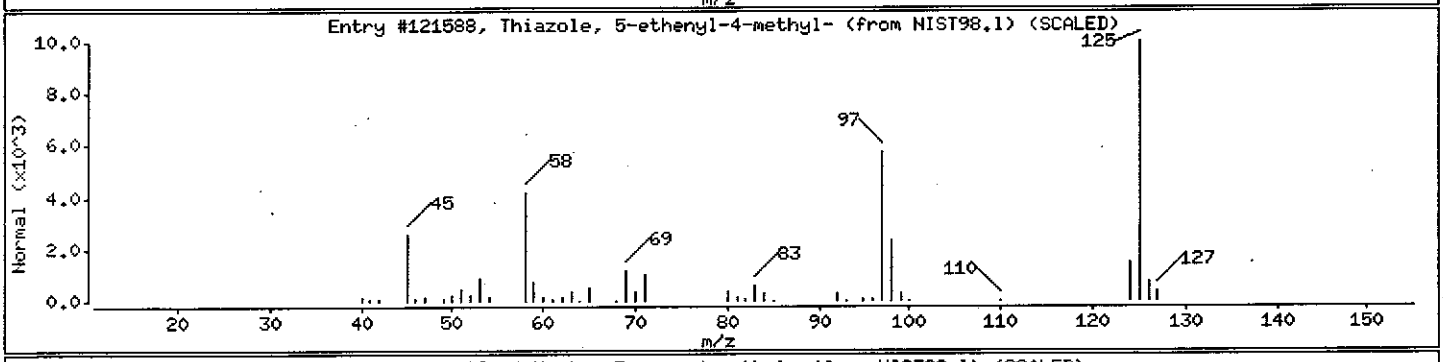
Operator: lmh00956

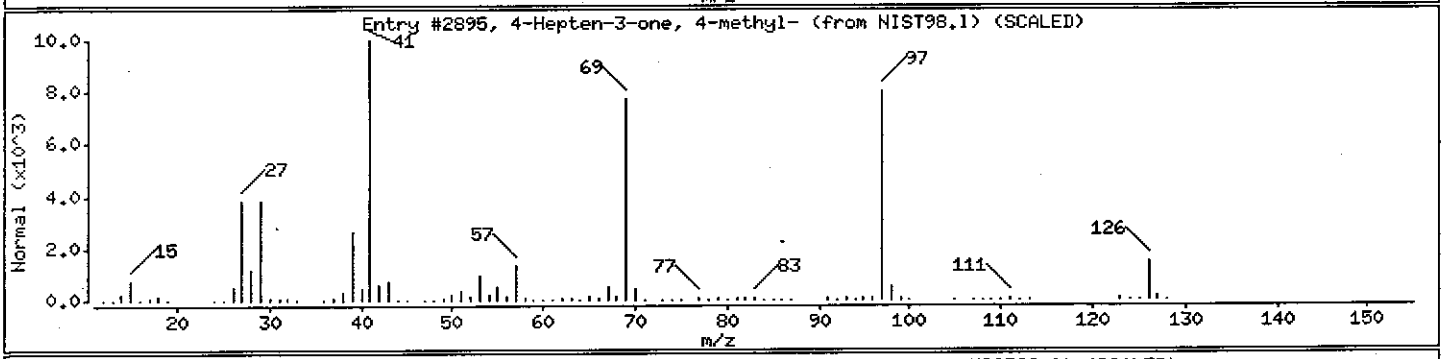
Column phase: J&W DB-5.625

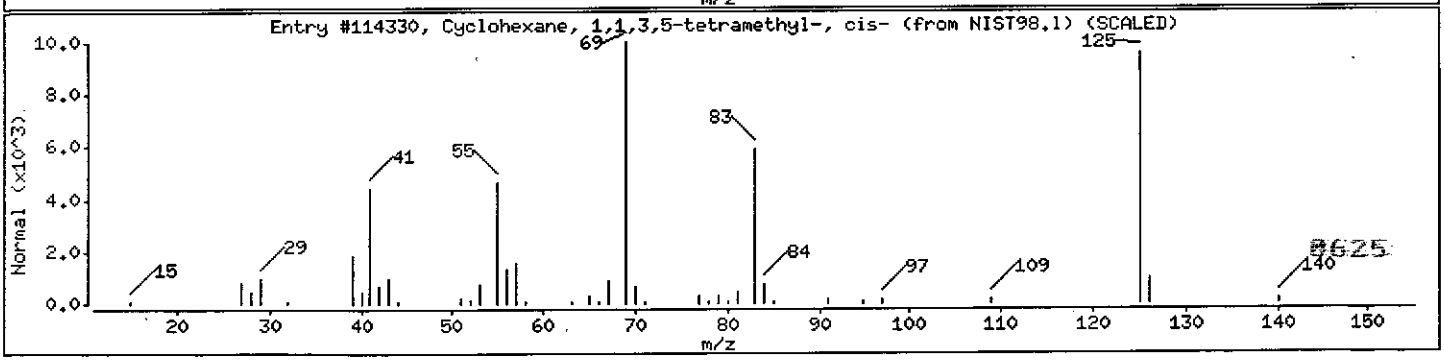
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Thiazole, 5-ethenyl-4-methyl-	1759-28-0	NIST98.1	121588	46	C6H7NS	125
4-Hepten-3-one, 4-methyl-	22319-31-9	NIST98.1	2895	43	C8H14O	126
Cyclohexane, 1,1,3,5-tetramethyl-, cis-	50876-32-9	NIST98.1	114330	38	C10H20	140









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

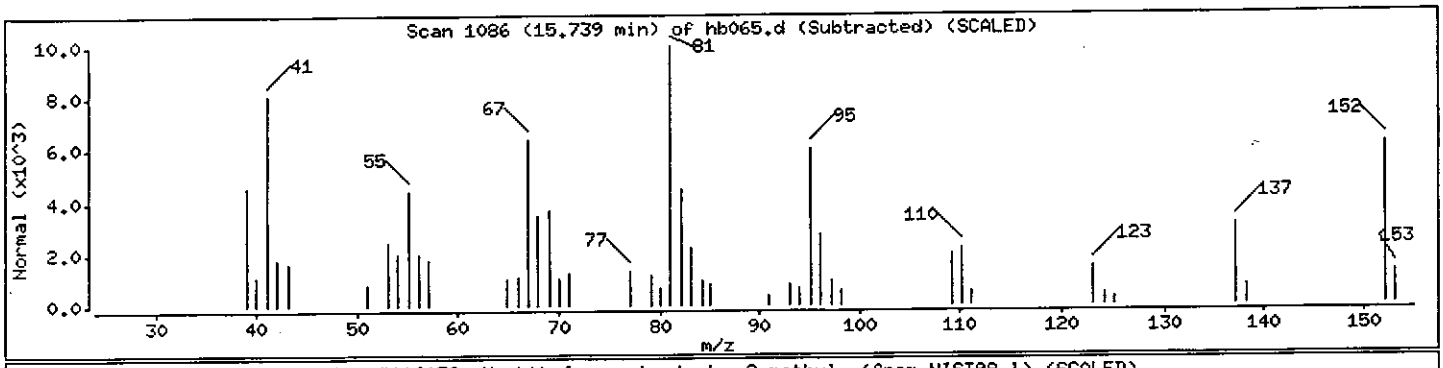
Operator: lmh00956

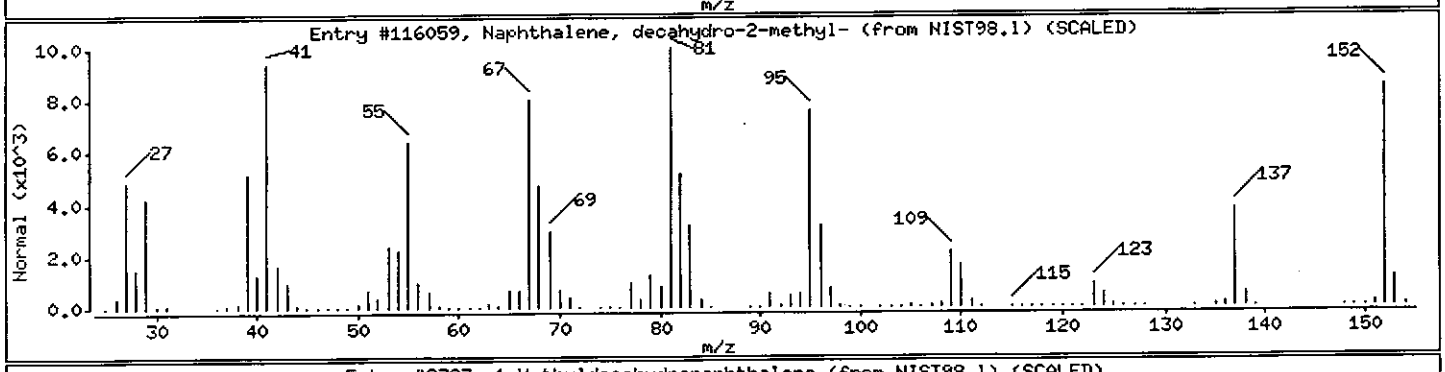
Column phase: J&W DB-5.625

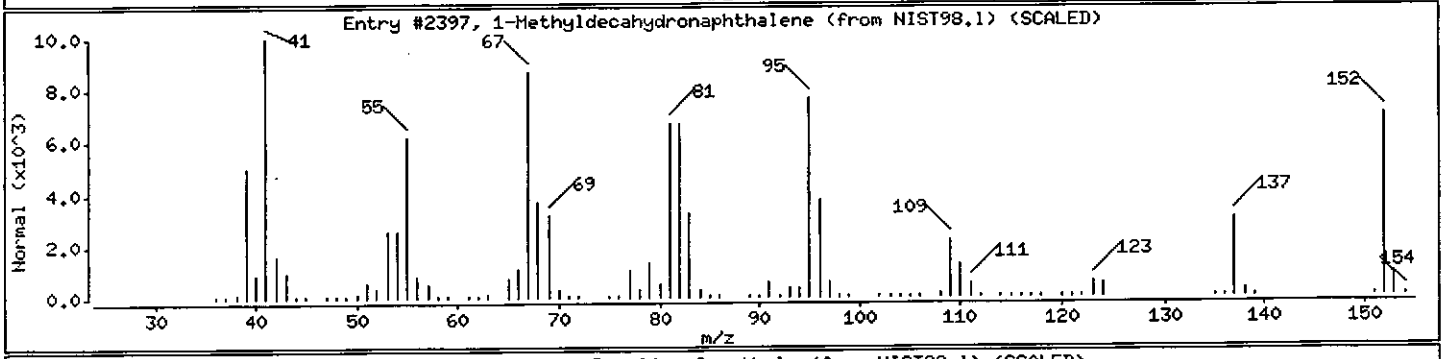
Column diameter: 0.25

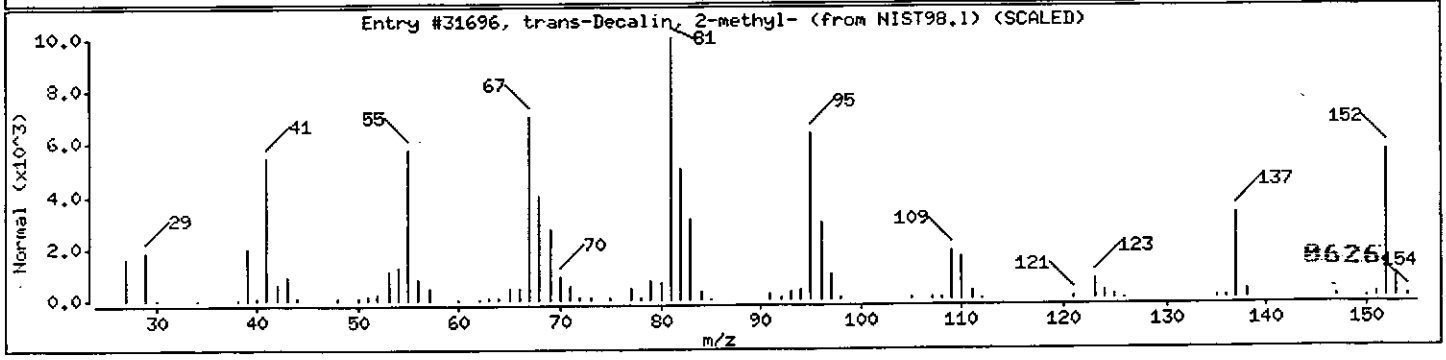
(X) 4mn198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, decahydro-2-methyl-		NIST98.1	116059	98	C11H20	152
1-Methyldecahydronaphthalene	2958-75-0	NIST98.1	2397	98	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST98.1	31696	96	C11H20	152









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

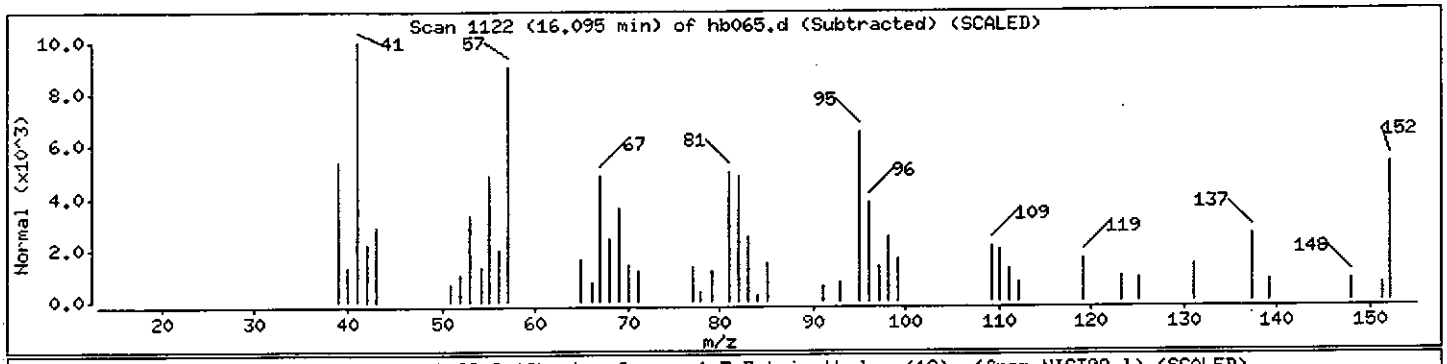
Volume Injected (uL): 2.0

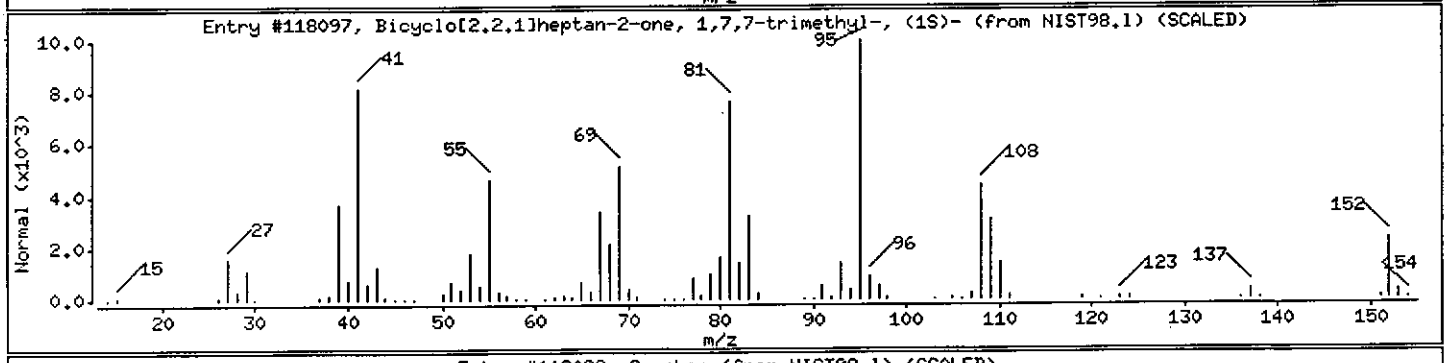
Operator: lmh00956

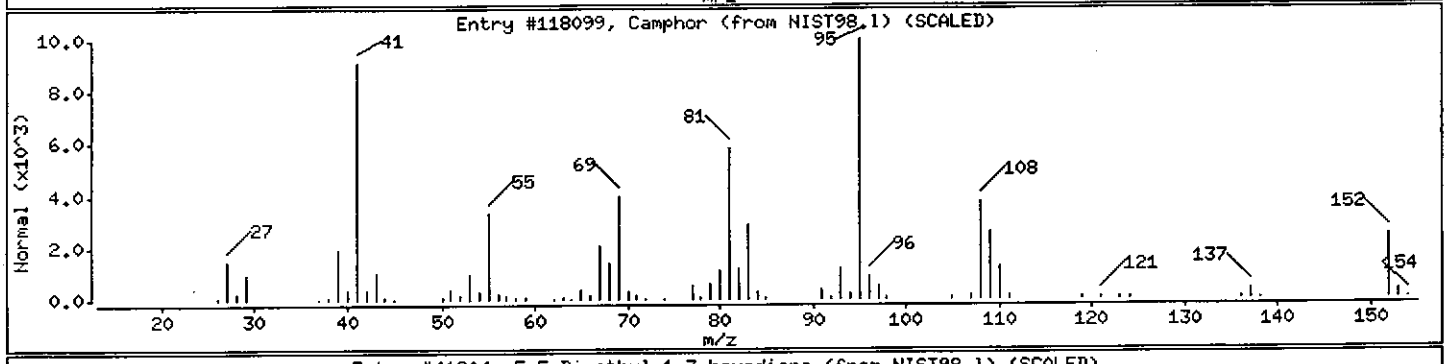
Column phase: J&W DB-5.625

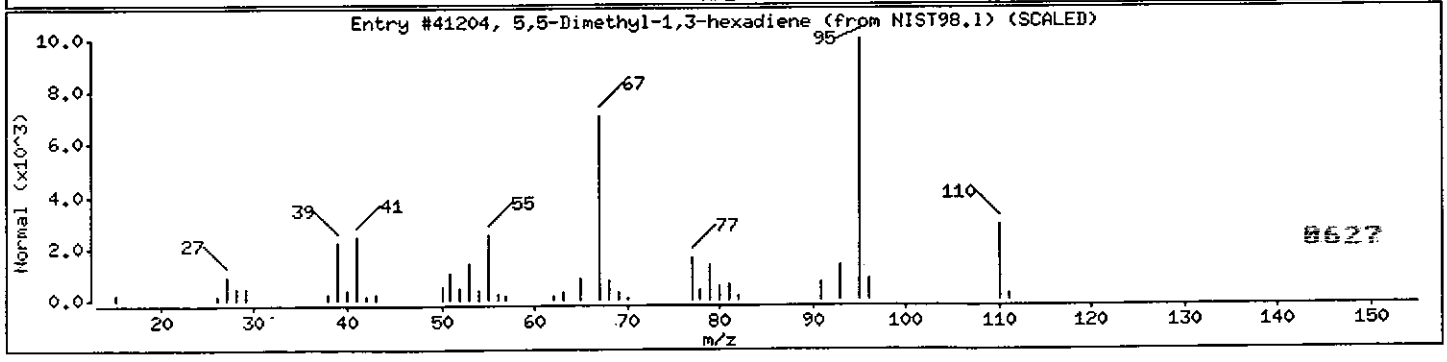
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	464-48-2	NIST98.1	118097	43	C10H16O	152
Camphor	76-22-2	NIST98.1	118099	35	C10H16O	152
5,5-Dimethyl-1,3-hexadiene	1515-79-3	NIST98.1	41204	30	C8H14	110









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

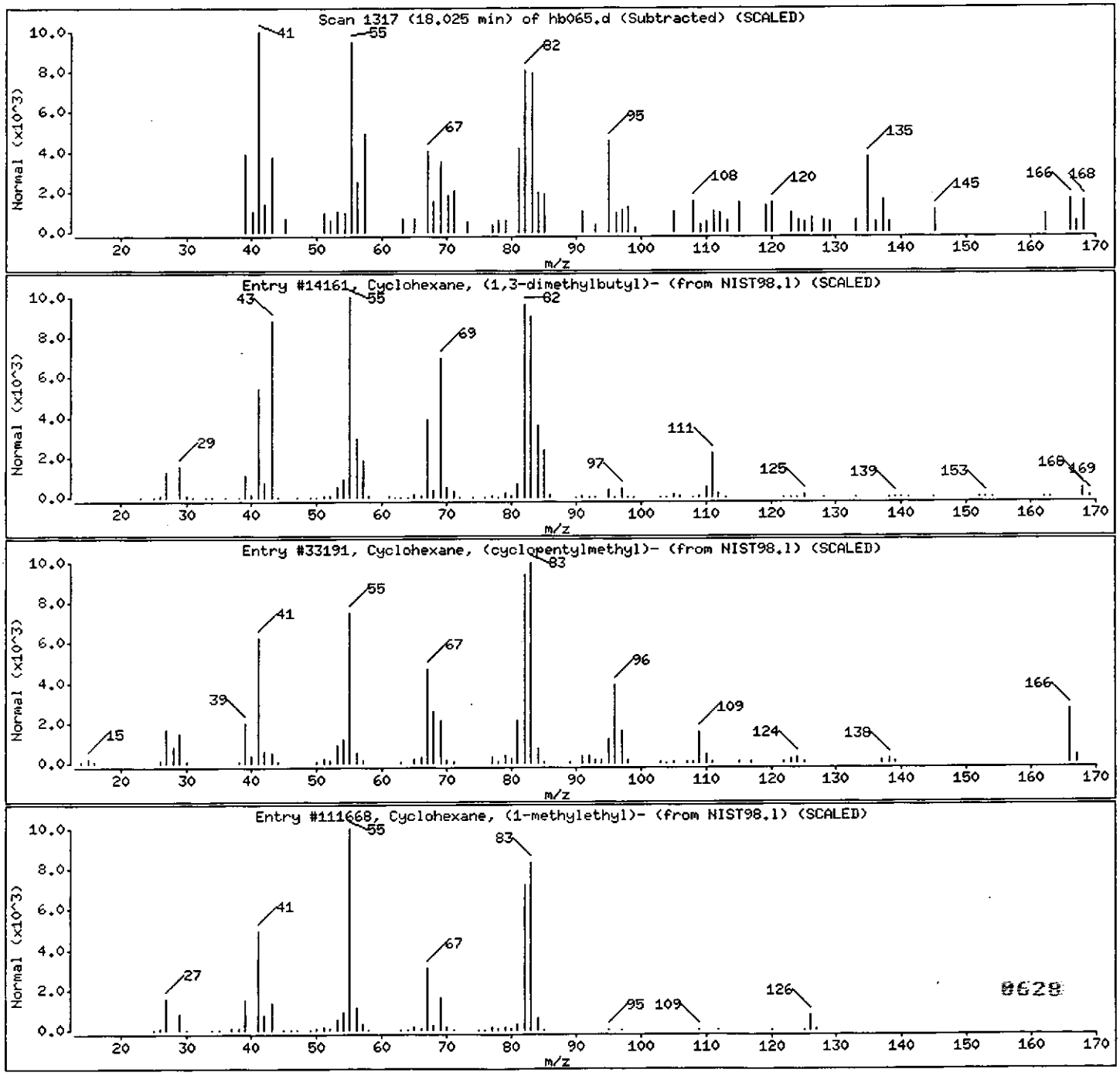
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (1,3-dimethylbutyl)-	61142-19-6	NIST98.1	14161	62	C12H24	168
Cyclohexane, (cyclopentylmethyl)-	4431-89-4	NIST98.1	33191	52	C12H22	166
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	111668	49	C9H18	126



Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

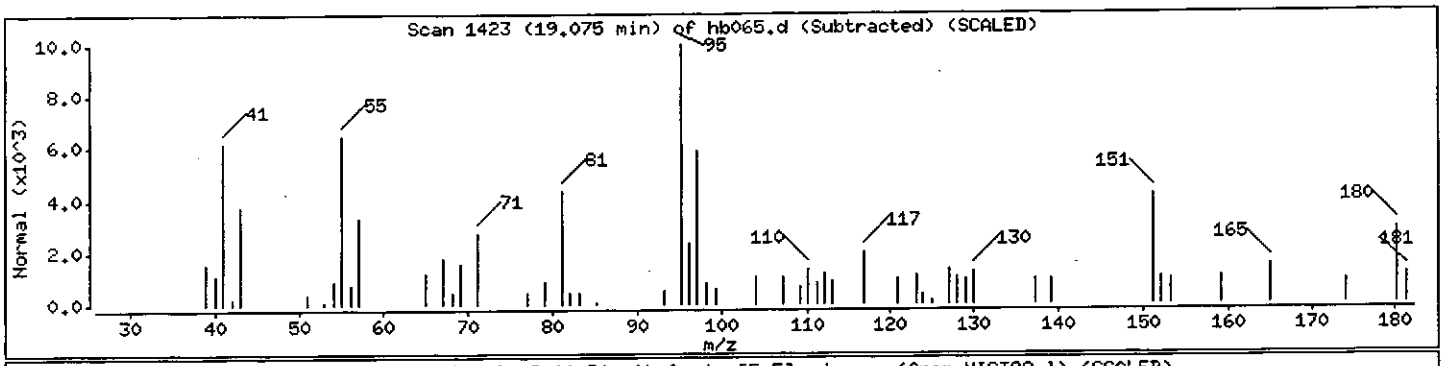
Volume Injected (uL): 2.0

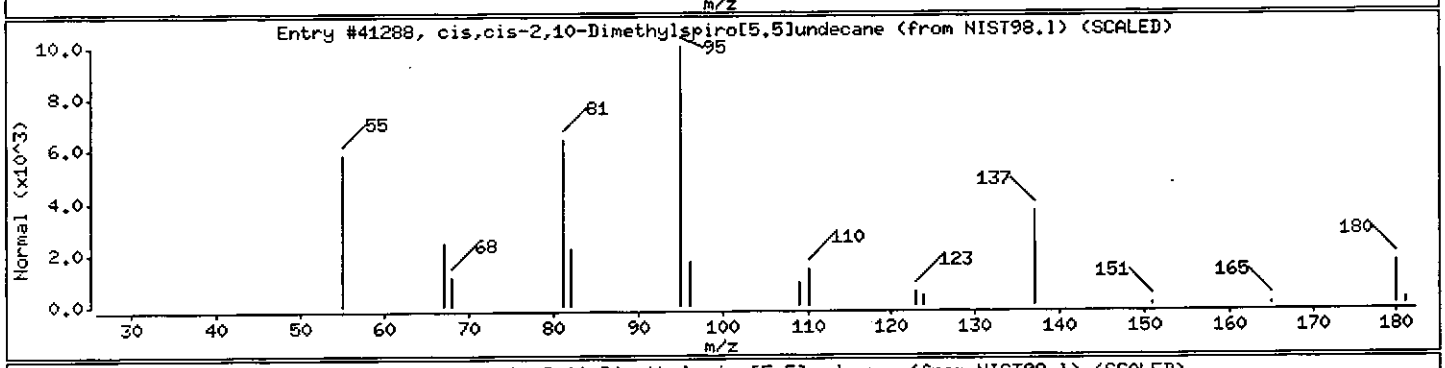
Operator: lmh00956

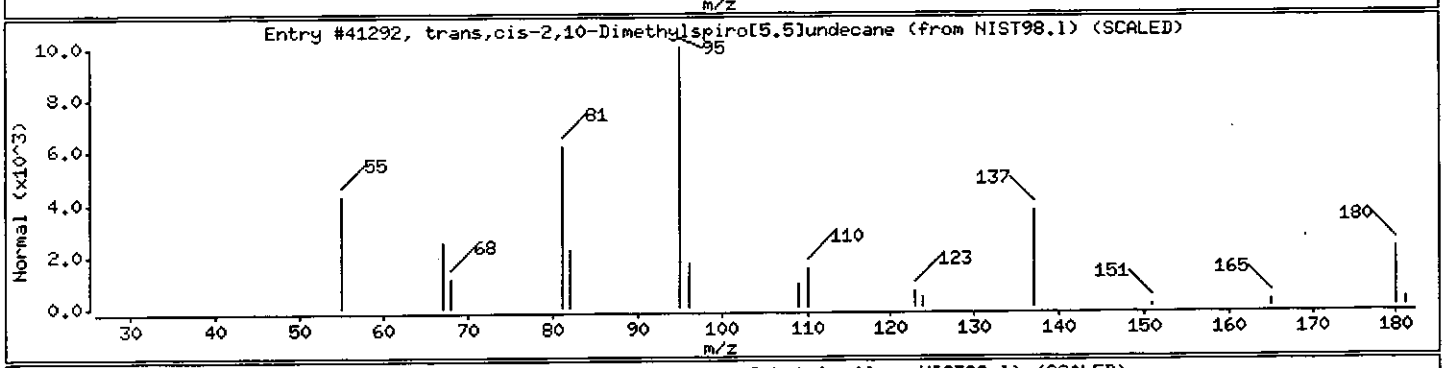
Column phase: J&W DB-5.625

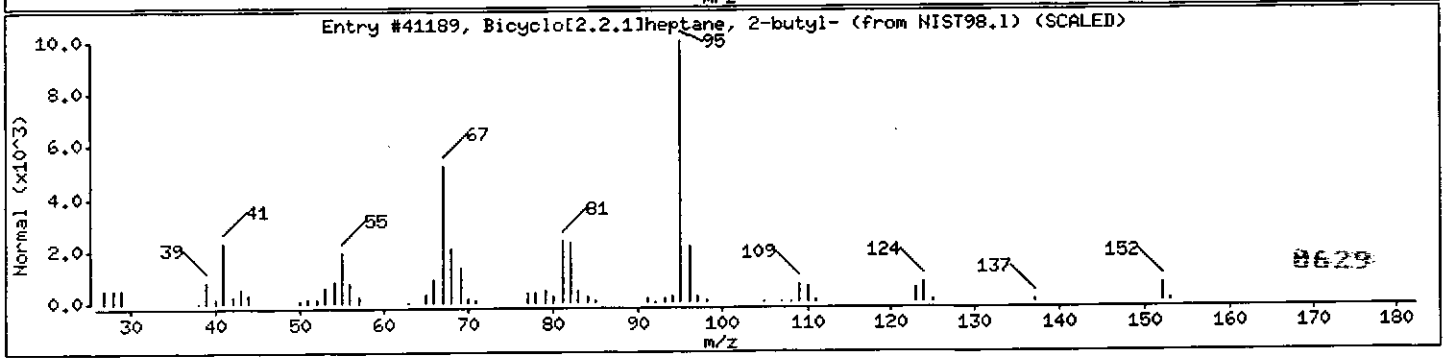
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
cis,cis-2,10-Dimethylspiro[5.5]undecane	95530-75-9	NIST98.1	41288	16	C13H24	180
trans,cis-2,10-Dimethylspiro[5.5]undecan	95472-52-9	NIST98.1	41292	16	C13H24	180
Bicyclo[2.2.1]heptane, 2-butyl-	61177-16-0	NIST98.1	41189	16	C11H20	152









0629

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

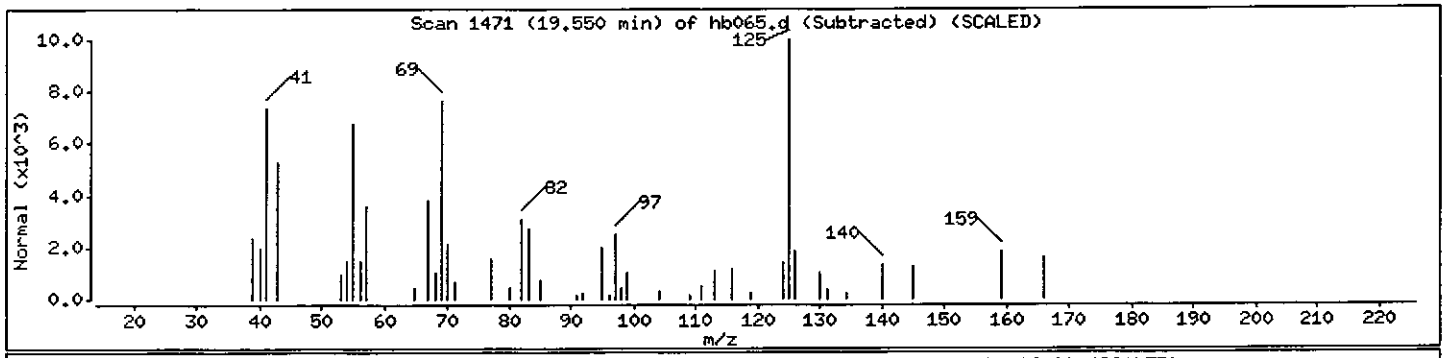
Volume Injected (uL): 2.0

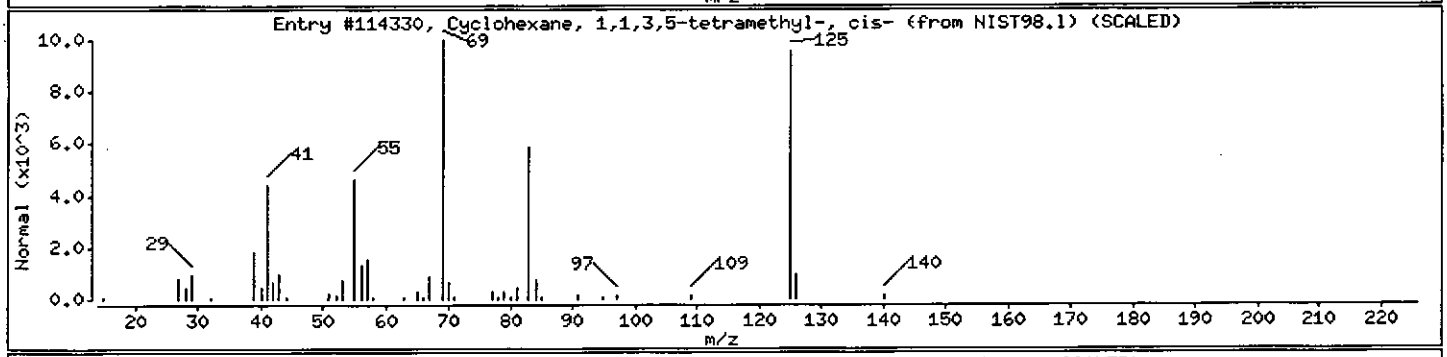
Operator: lmh00956

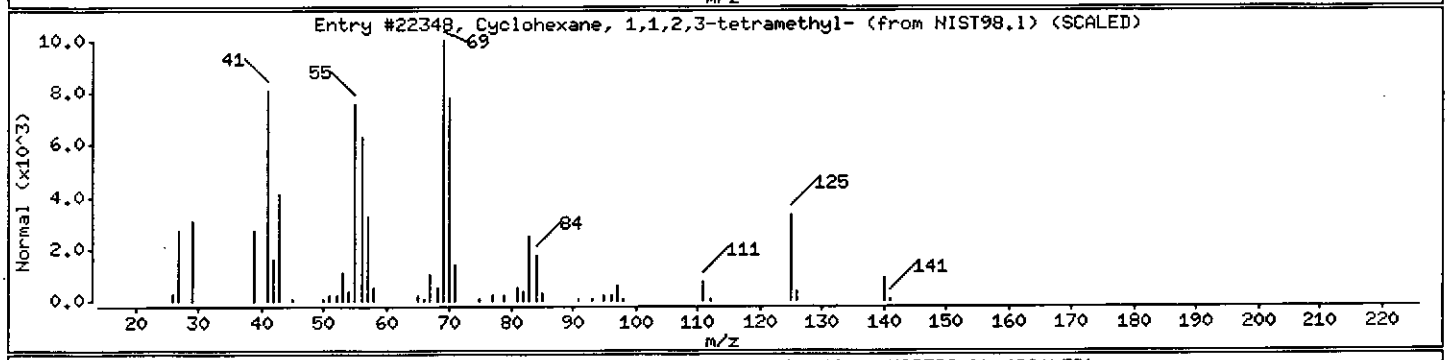
Column phase: J&W DB-5.625

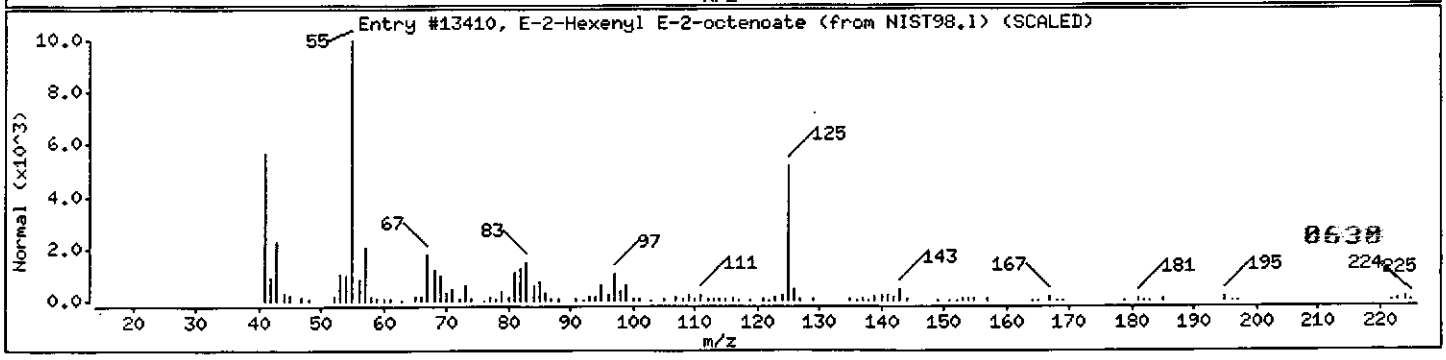
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,1,3,5-tetramethyl-, cis-	50876-32-9	NIST98.1	114330	40	C10H20	140
Cyclohexane, 1,1,2,3-tetramethyl-	6783-92-2	NIST98.1	22348	35	C10H20	140
E-2-Hexenyl E-2-octenoate	1000131-71-4	NIST98.1	13410	25	C14H2402	224









0630

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

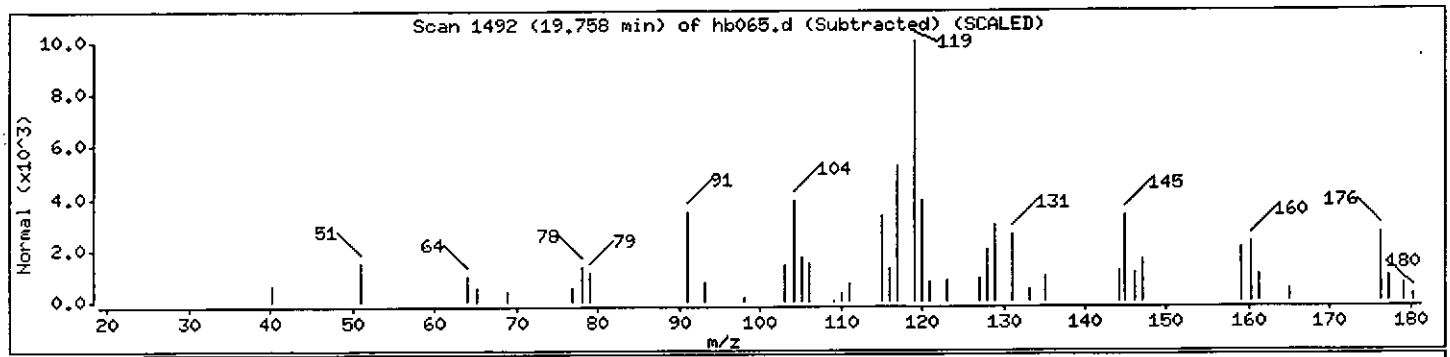
Volume Injected (uL): 2.0

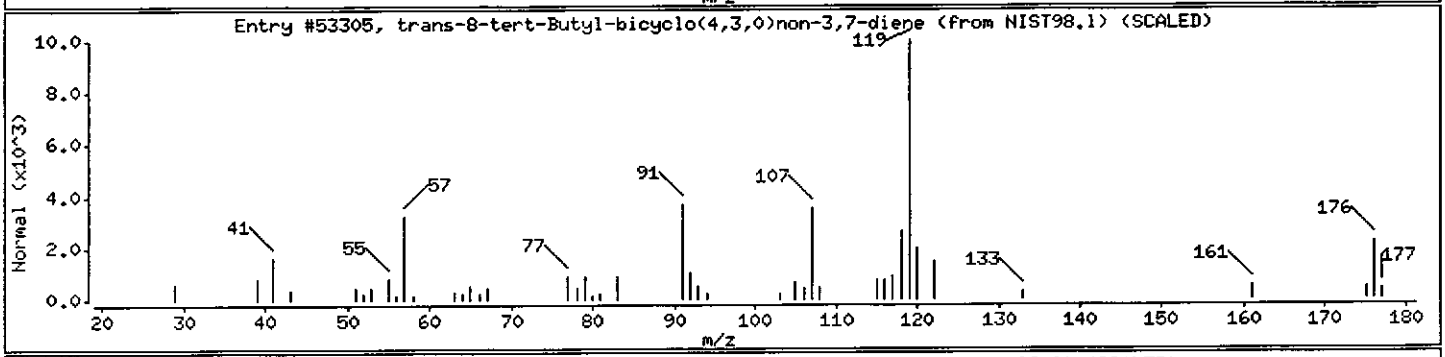
Operator: lmh00956

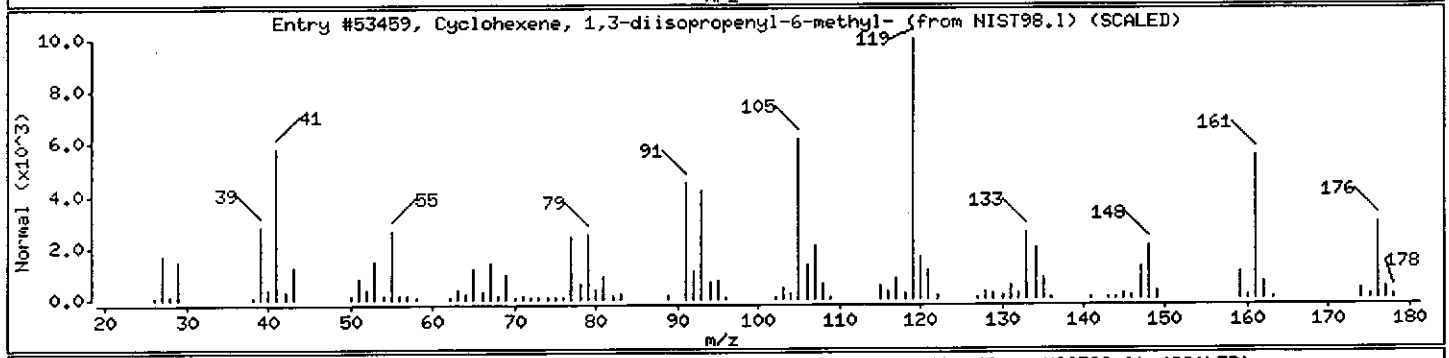
Column phase: J&W DB-5.625

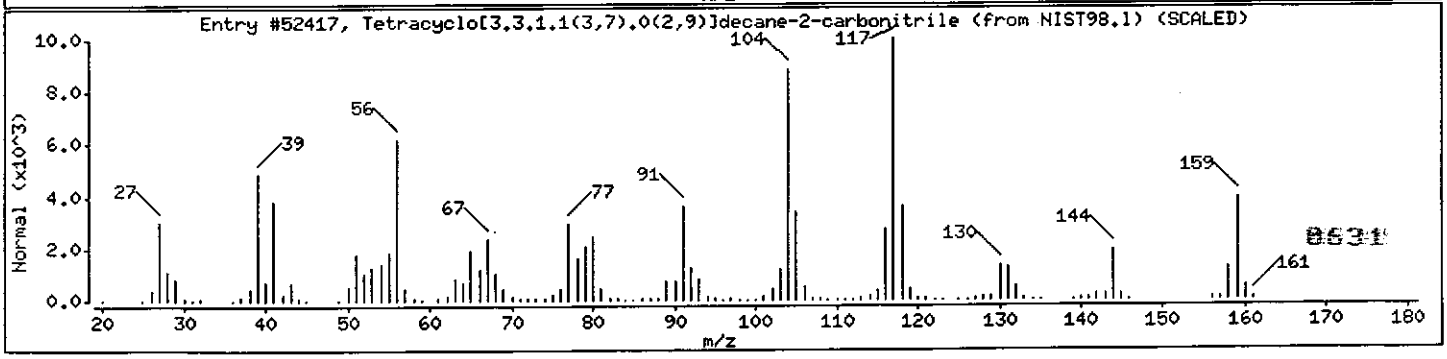
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
trans-8-tert-Butyl-bicyclo(4,3,0)non-3,7	1000145-77-0	NIST98.1	53305	27	C13H20	176
Cyclohexene, 1,3-diisopropenyl-6-methyl-	1000151-28-9	NIST98.1	53459	22	C13H20	176
Tetracyclo[3.3.1.1(3,7).0(2,9)]decane-2-	1000217-13-8	NIST98.1	52417	18	C11H13N	159









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

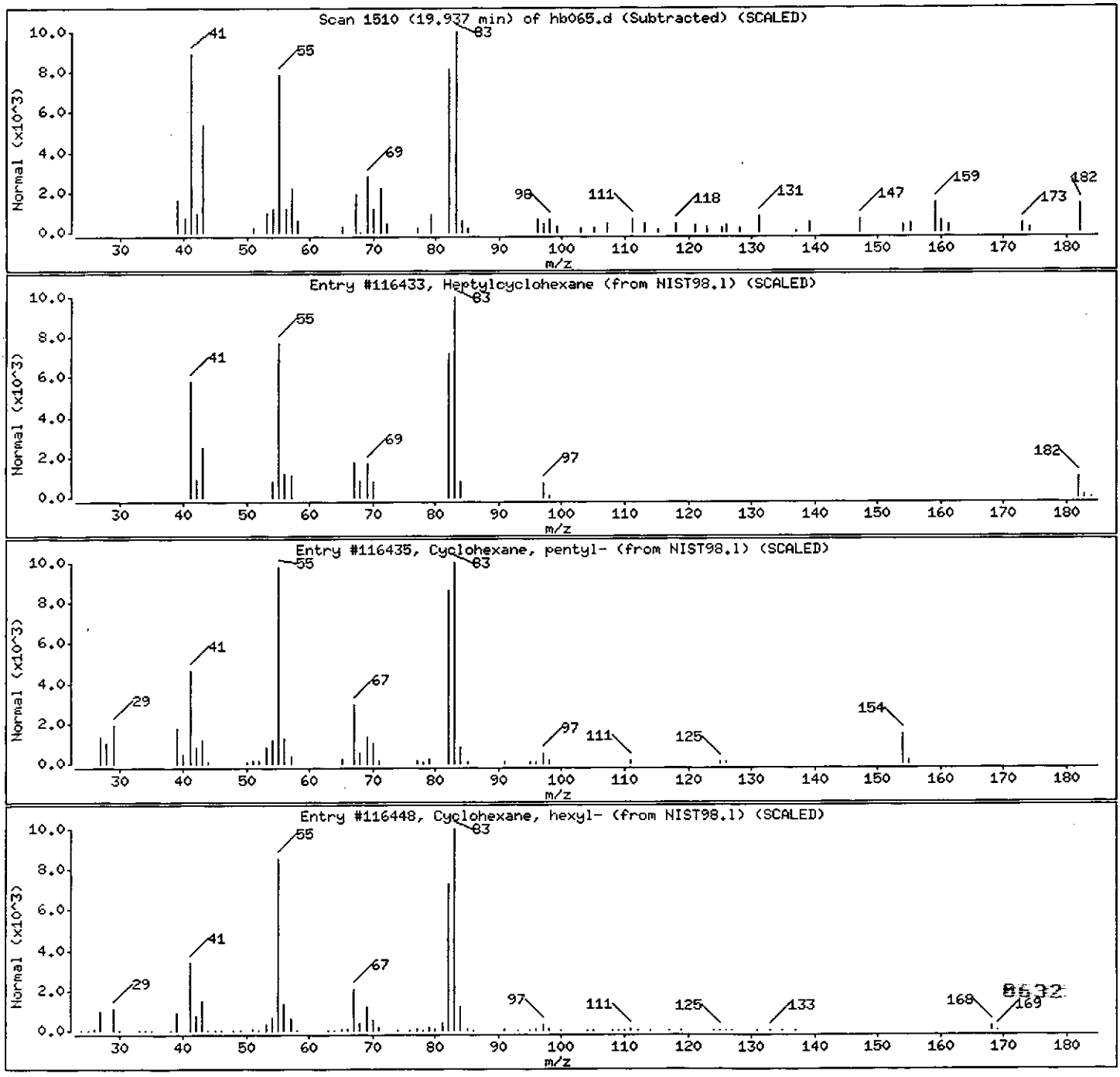
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptylcyclohexane	5617-41-4	NIST98.1	116433	74	C13H26	182
Cyclohexane, pentyl-	4292-92-6	NIST98.1	116435	68	C11H22	154
Cyclohexane, hexyl-	4292-75-5	NIST98.1	116448	59	C12H24	168



Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

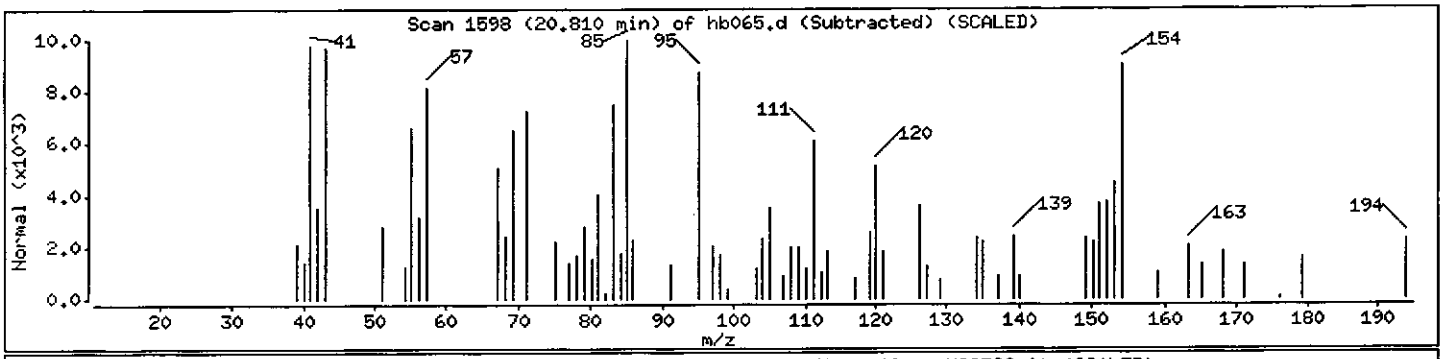
Volume Injected (uL): 2.0

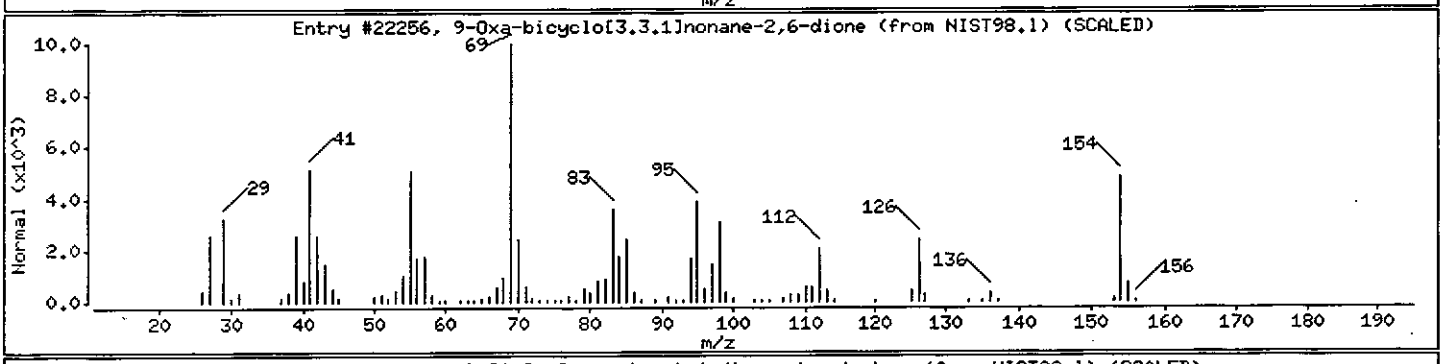
Operator: lmh00956

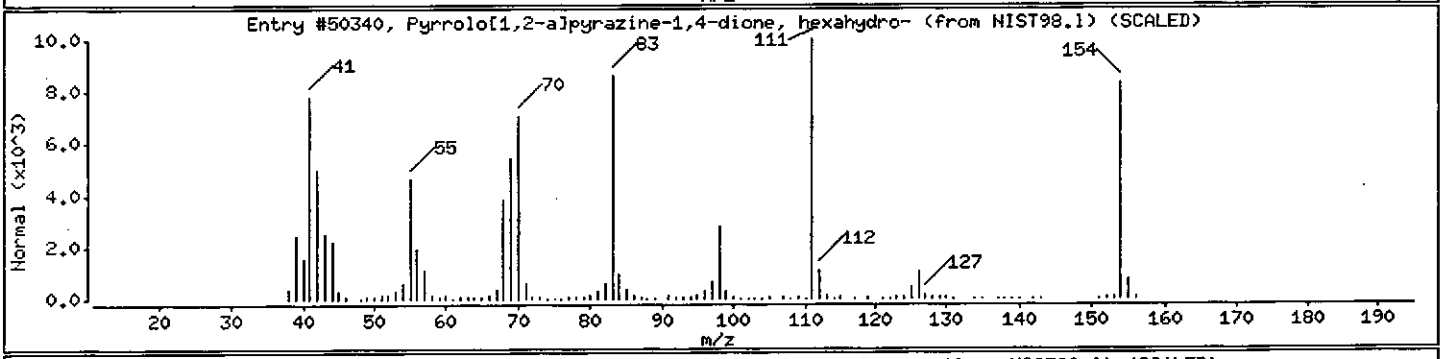
Column phase: J&W DB-5.625

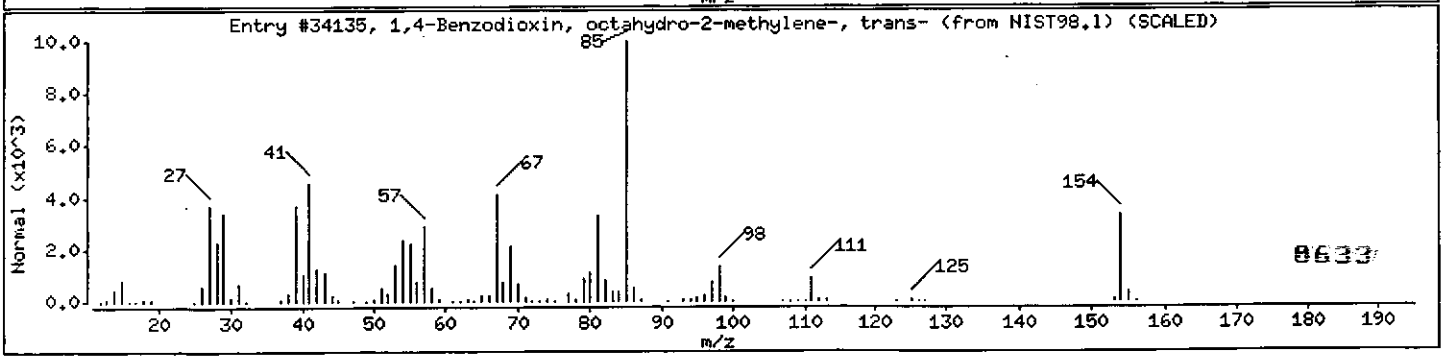
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
9-Oxa-bicyclo[3.3.1]nonane-2,6-dione	20797-79-9	NIST98.1	22256	22	C8H1003	154
Pyrrolo[1,2-a]pyrazine-1,4-dione, hexahy	19179-12-5	NIST98.1	50340	14	C7H10N2O2	154
1,4-Benzodioxin, octahydro-2-methylene-,	38653-34-8	NIST98.1	34135	14	C9H14O2	154









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

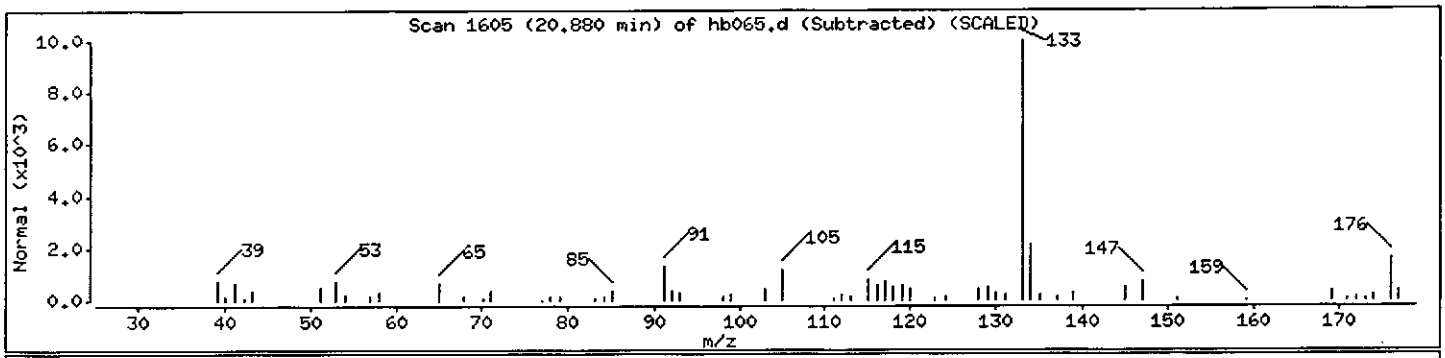
Volume Injected (uL): 2.0

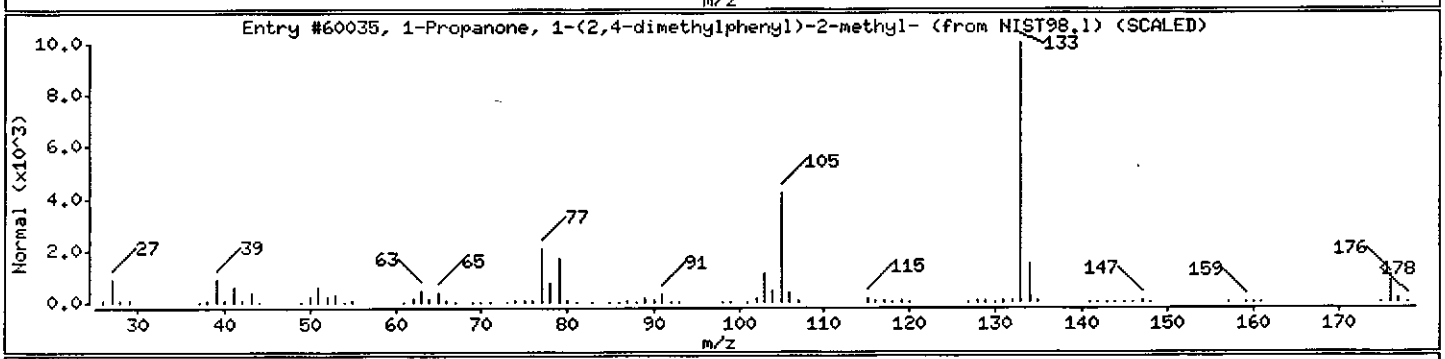
Operator: lmh00956

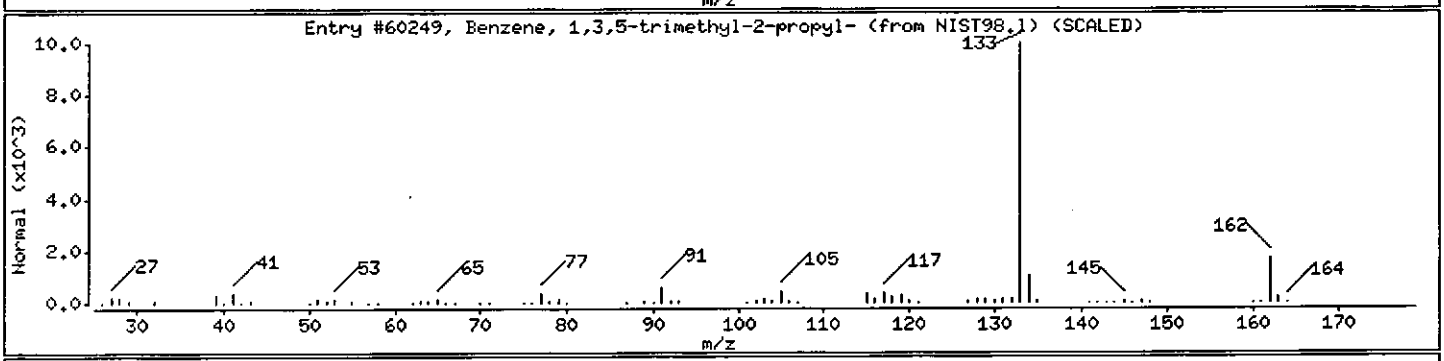
Column phase: J&W DB-5.625

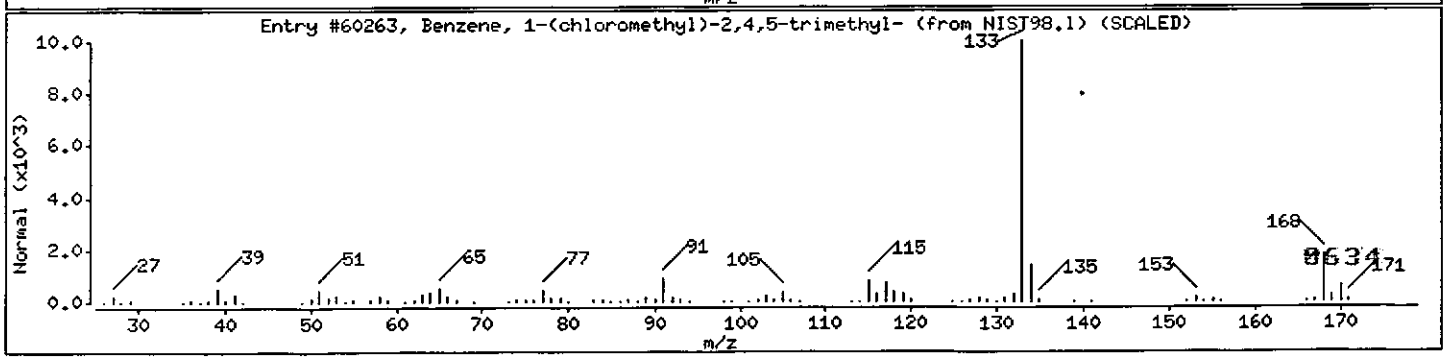
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Propanone, 1-(2,4-dimethylphenyl)-2-me	23351-72-6	NIST98.1	60035	53	C12H16O	176
Benzene, 1,3,5-trimethyl-2-propyl-	4810-04-2	NIST98.1	60249	50	C12H18	162
Benzene, 1-(chloromethyl)-2,4,5-trimethy	10340-77-9	NIST98.1	60263	50	C10H13Cl	168









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

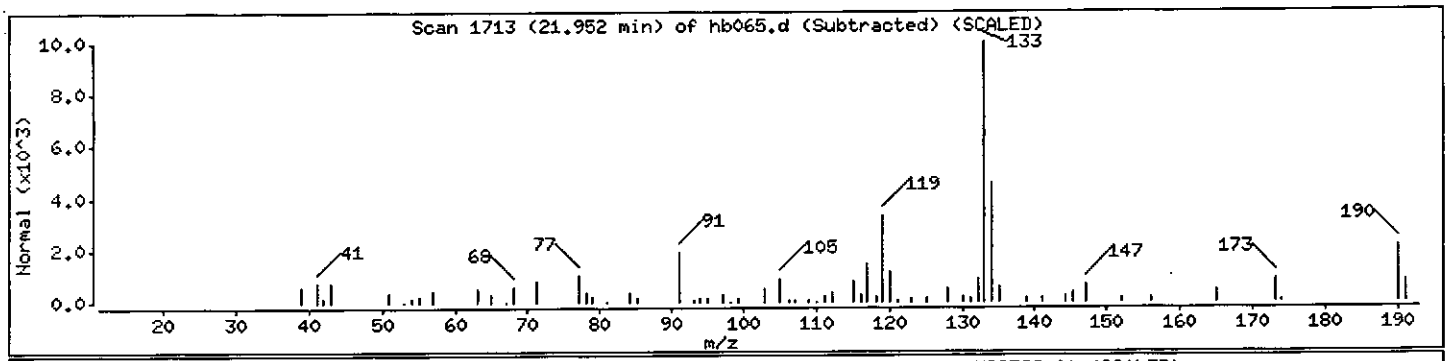
Volume Injected (uL): 2.0

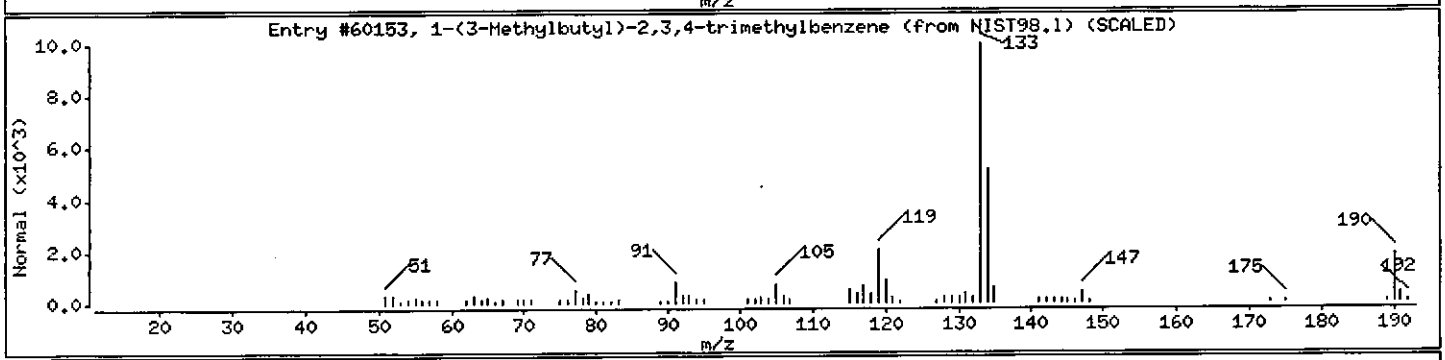
Operator: lmh00956

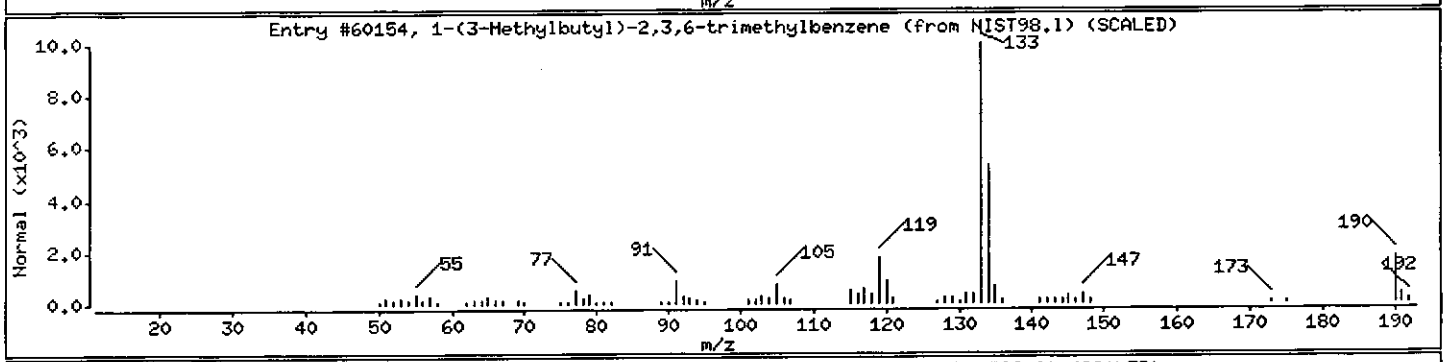
Column phase: J&W DB-5.625

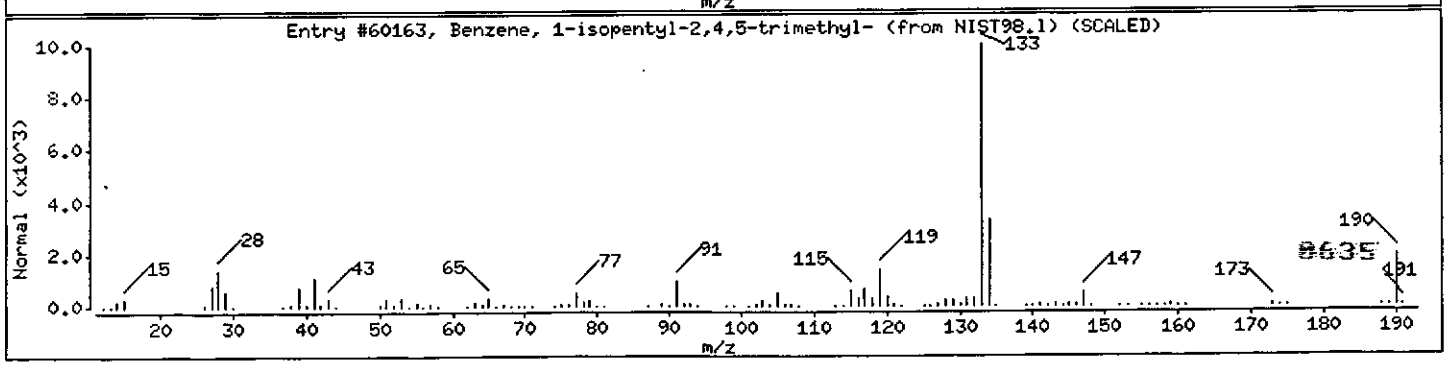
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-(3-Methylbutyl)-2,3,4-trimethylbenzene	1000245-50-4	NIST98.1	60153	83	C14H22	190
1-(3-Methylbutyl)-2,3,6-trimethylbenzene	1000245-50-6	NIST98.1	60154	80	C14H22	190
Benzene, 1-isopentyl-2,4,5-trimethyl-	10425-90-8	NIST98.1	60163	72	C14H22	190









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

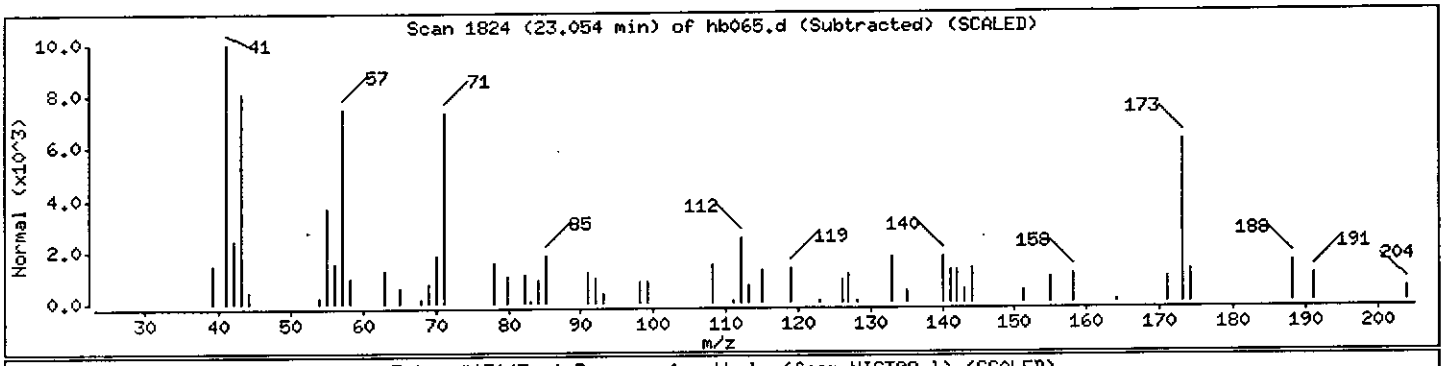
Volume Injected (uL): 2.0

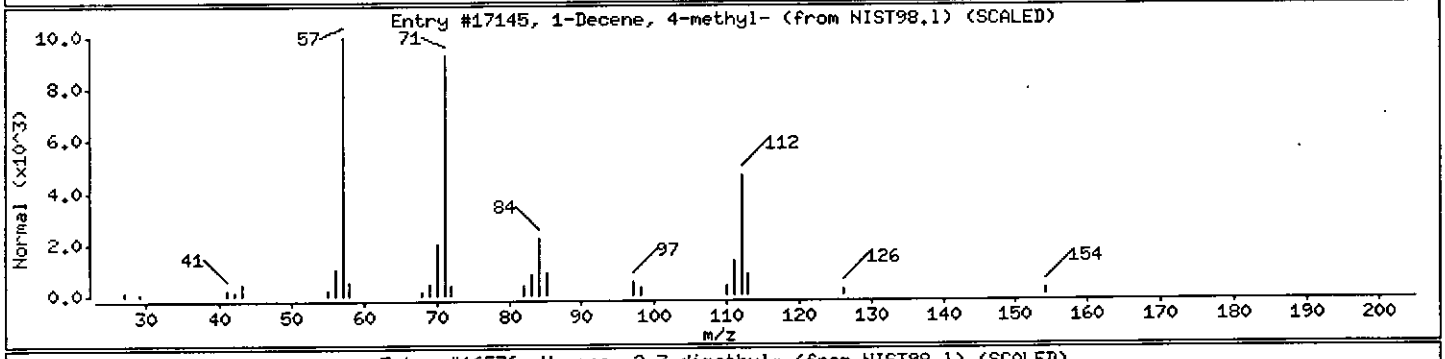
Operator: lmh00956

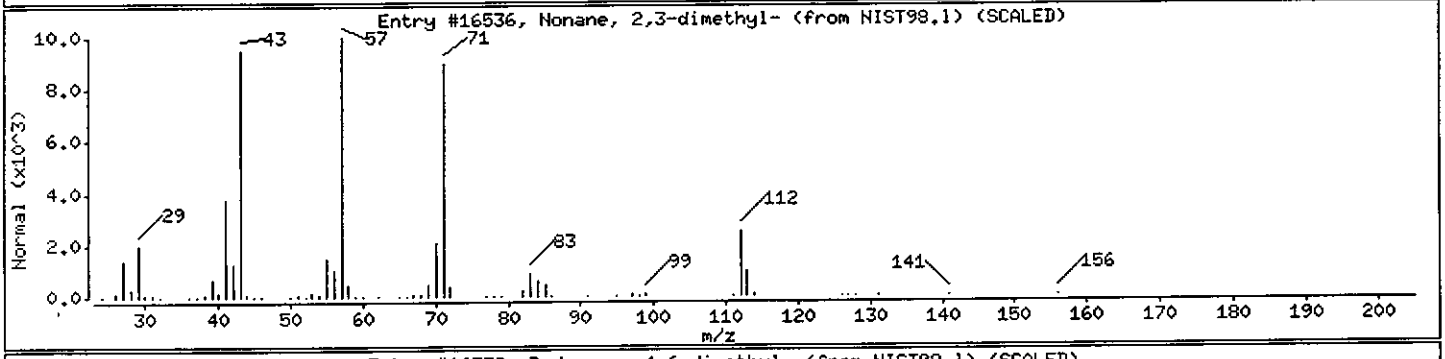
Column phase: J&W DB-5.625

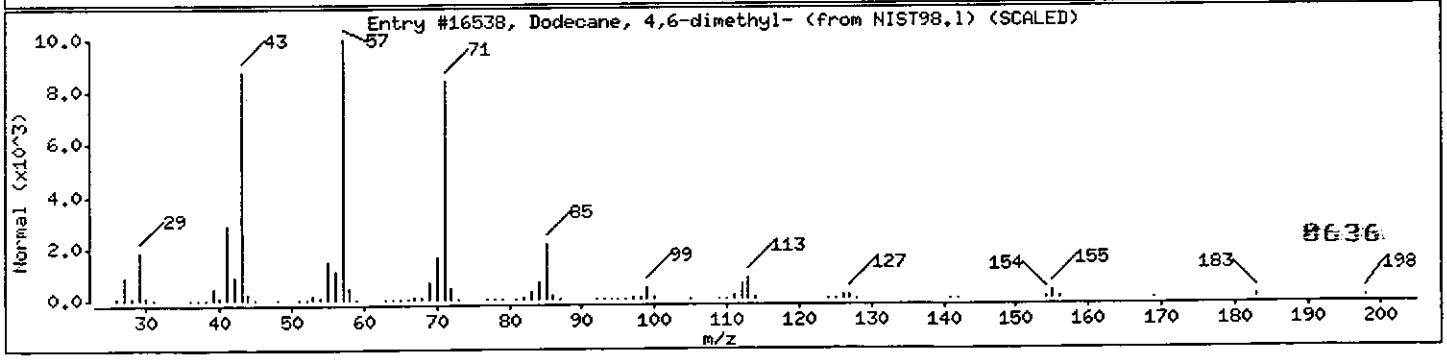
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Decene, 4-methyl-	13151-29-6	NIST98.1	17145	35	C11H22	154
Nonane, 2,3-dimethyl-	2884-06-2	NIST98.1	16536	35	C11H24	156
Dodecane, 4,6-dimethyl-	61141-72-8	NIST98.1	16538	27	C14H30	198









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Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

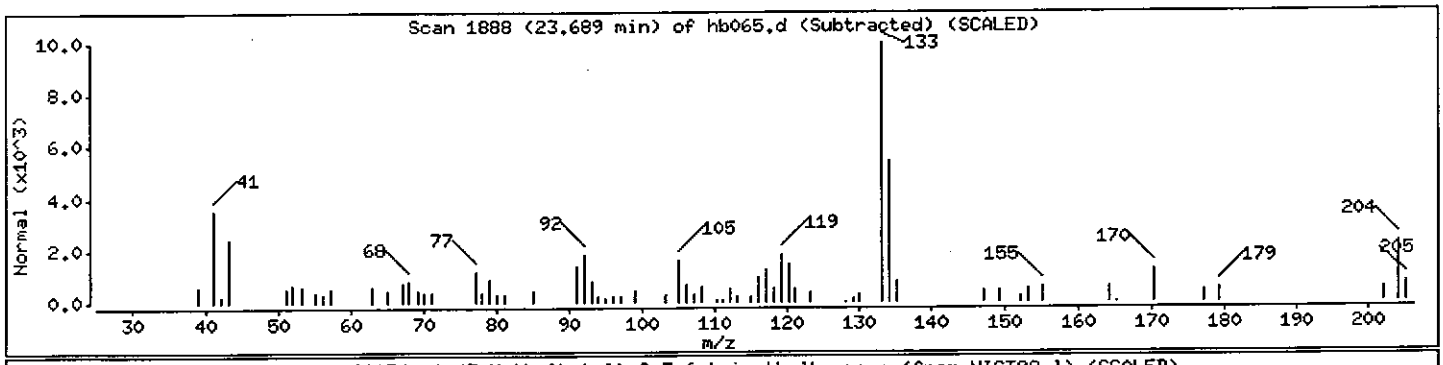
Volume Injected (uL): 2.0

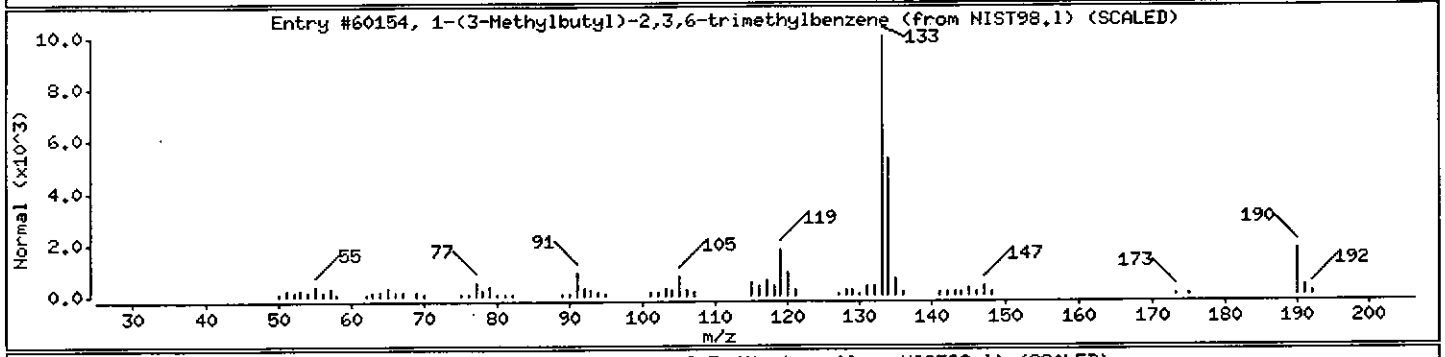
Operator: lmh00956

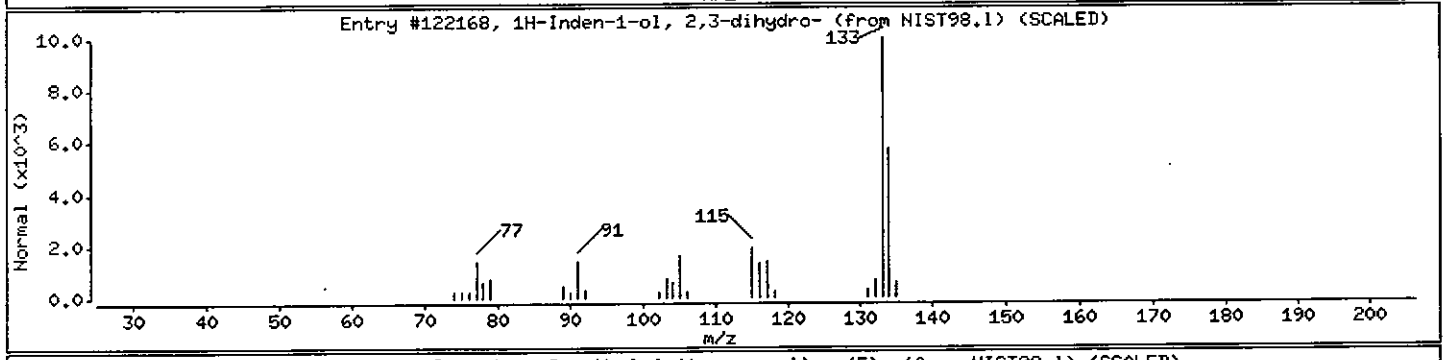
Column phase: J&W DB-5.625

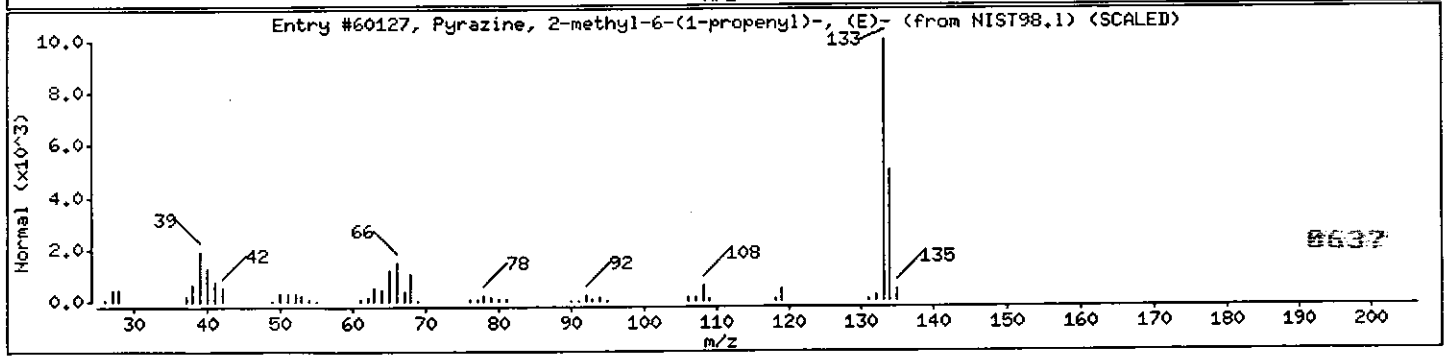
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-(3-Methylbutyl)-2,3,6-trimethylbenzene	1000245-50-6	NIST98.1	60154	59	C14H22	190
1H-Inden-1-ol, 2,3-dihydro-	6351-10-6	NIST98.1	122168	58	C9H10O	134
Pyrazine, 2-methyl-6-(1-propenyl)-, (E)-	18217-81-7	NIST98.1	60127	49	C8H10N2	134









0637

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

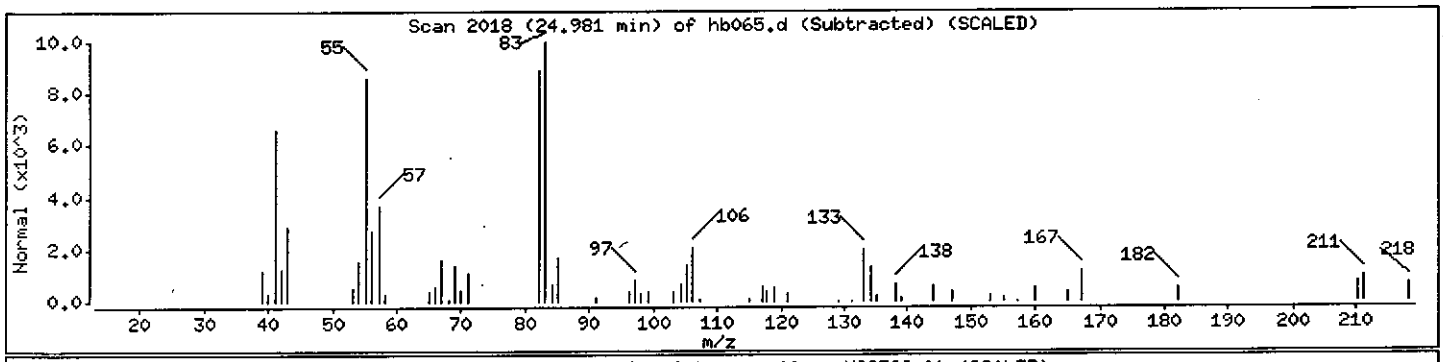
Volume Injected (uL): 2.0

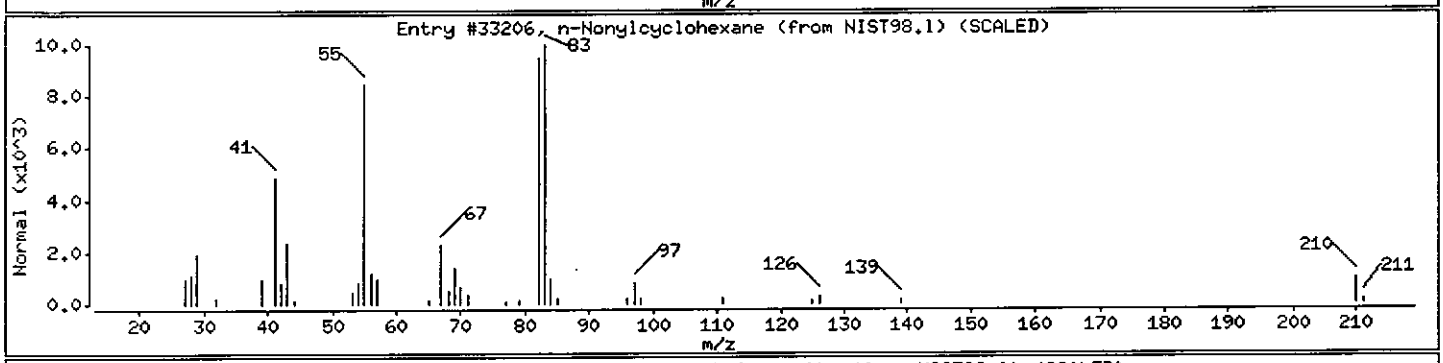
Operator: lmh00956

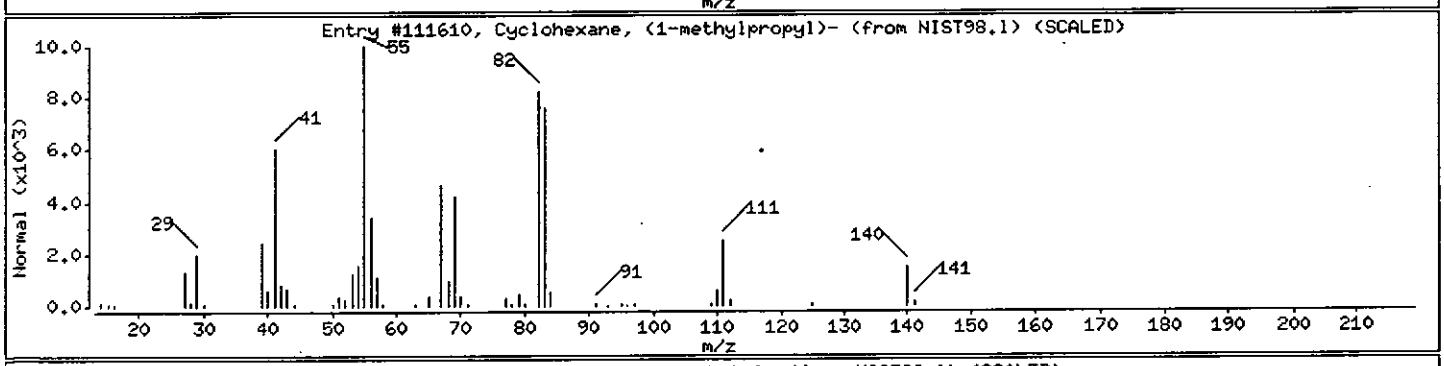
Column phase: J&W DB-5.625

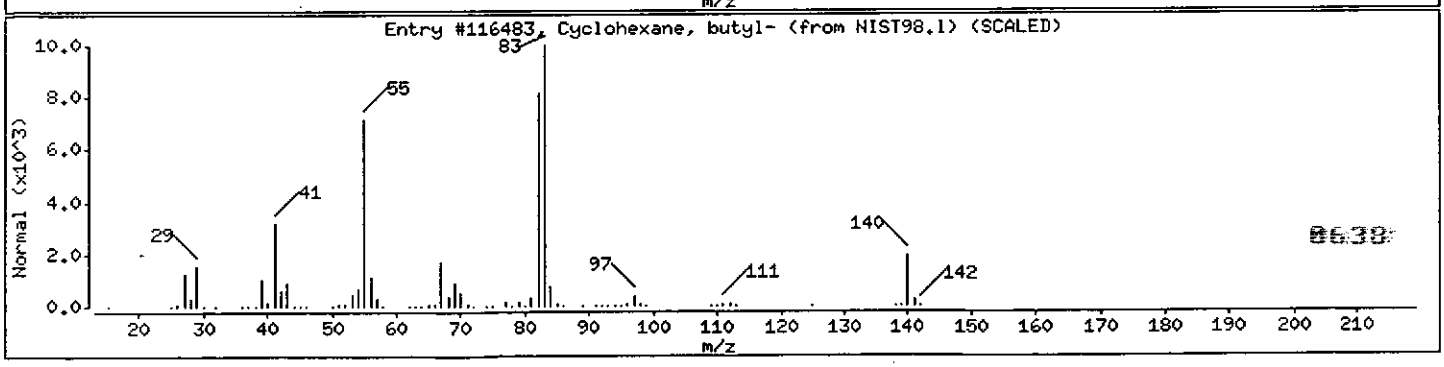
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Nonylcyclohexane	2883-02-5	NIST98.1	33206	64	C15H30	210
Cyclohexane, (1-methylpropyl)-	7058-01-7	NIST98.1	111610	50	C10H20	140
Cyclohexane, butyl-	1678-93-9	NIST98.1	116483	47	C10H20	140









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

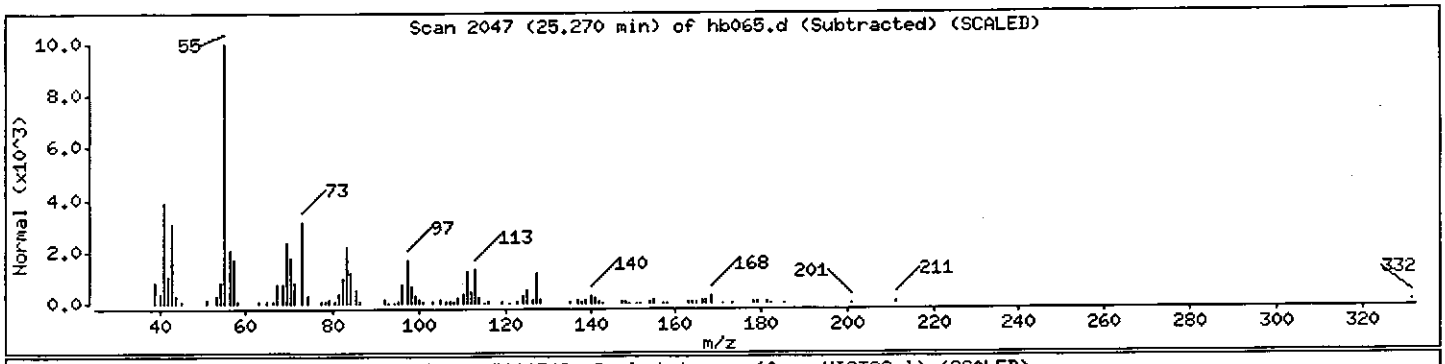
Operator: lmh00956

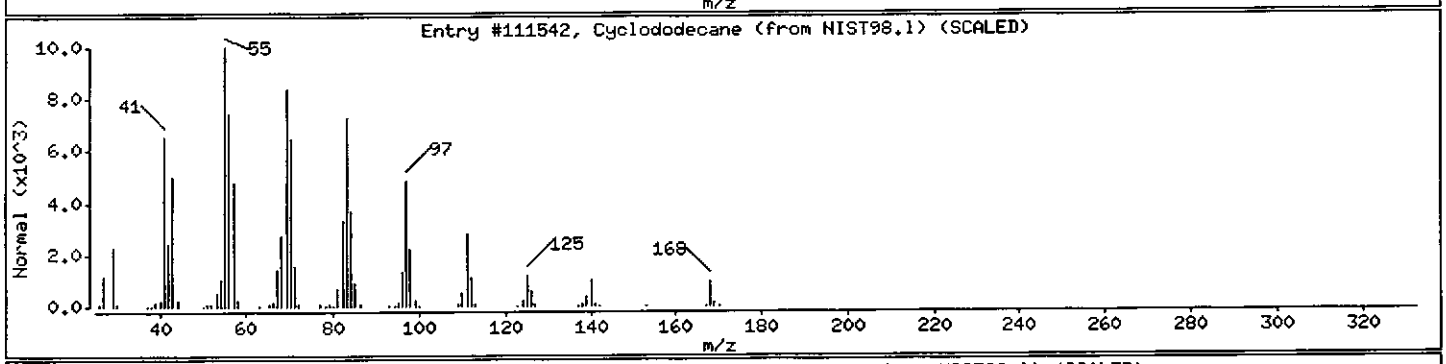
Column phase: J&W DB-5.625

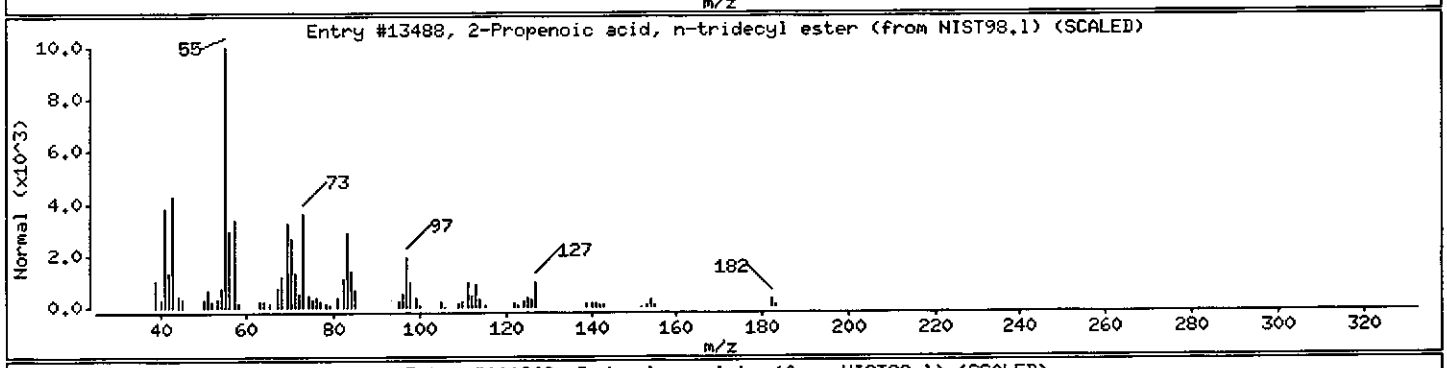
Column diameter: 0.25

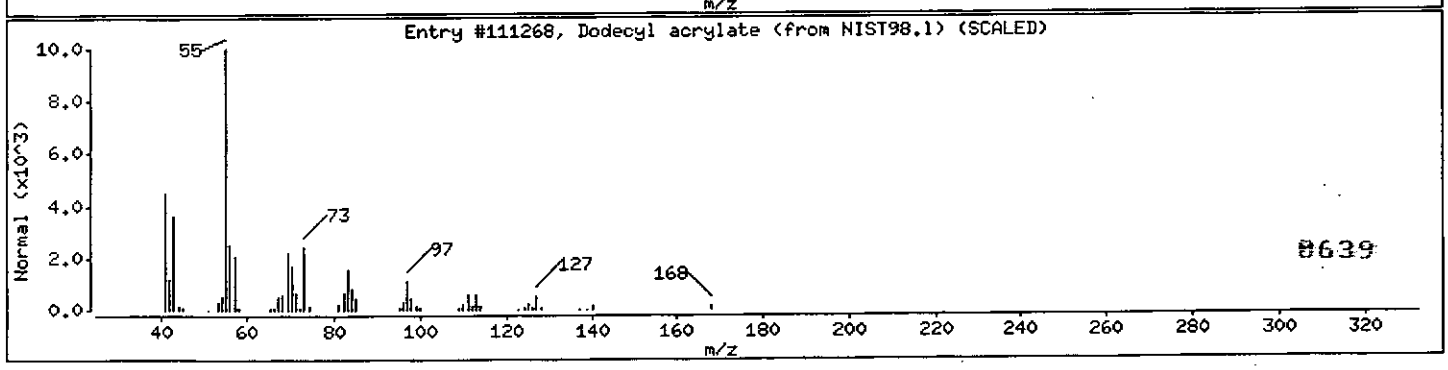
(B) lmh1956 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NIST98.1	111542	95	C12H24	168
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	83	C16H30O2	254
Dodecyl acrylate	2156-97-0	NIST98.1	111268	58	C15H28O2	240









8639

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

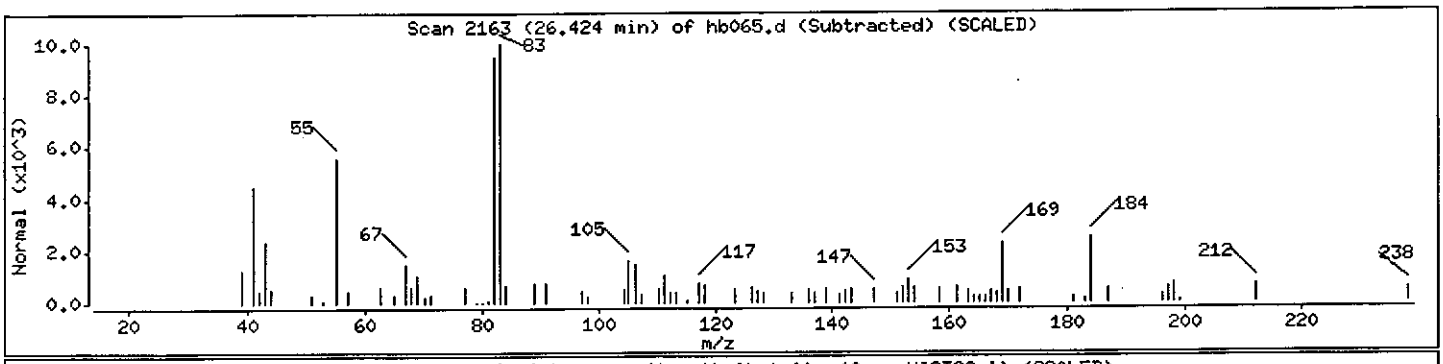
Volume Injected (uL): 2.0

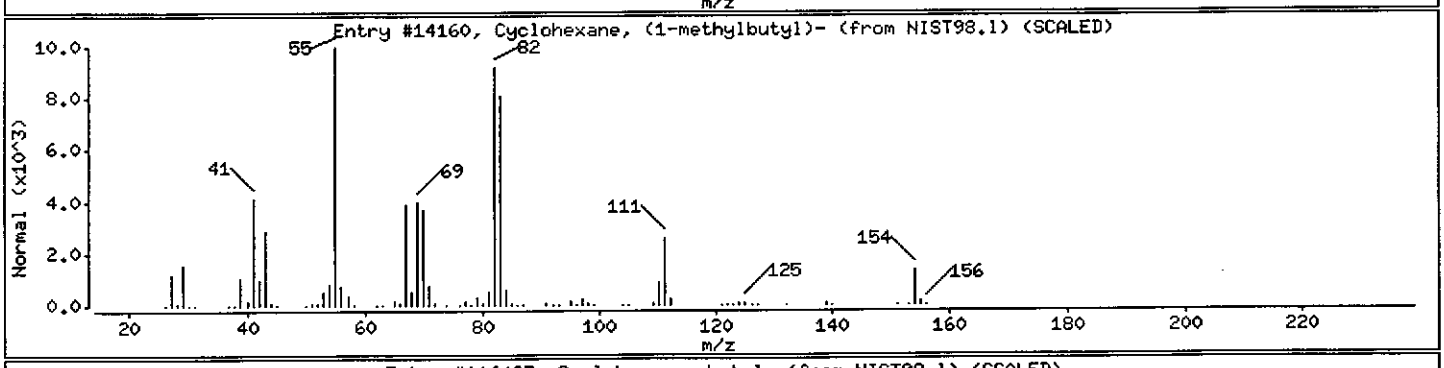
Operator: lmh00956

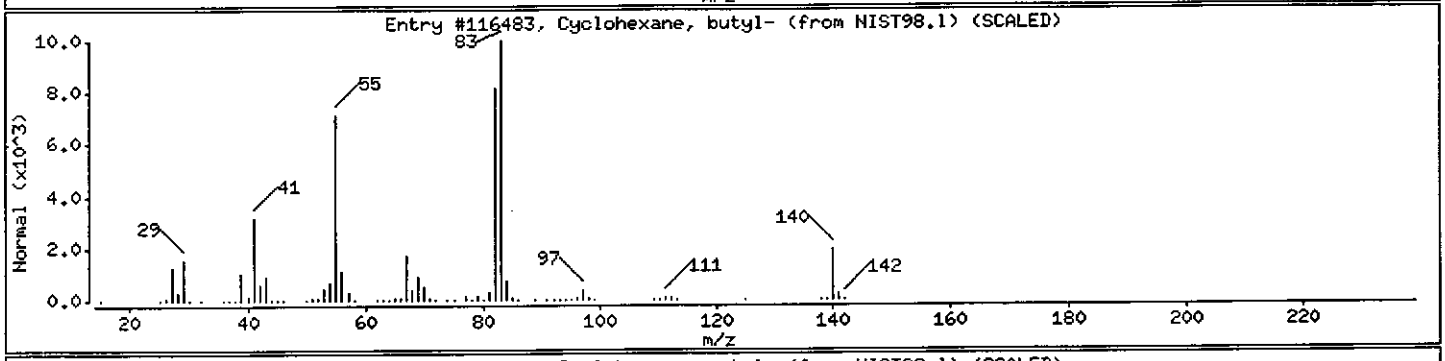
Column phase: J&W DB-5.625

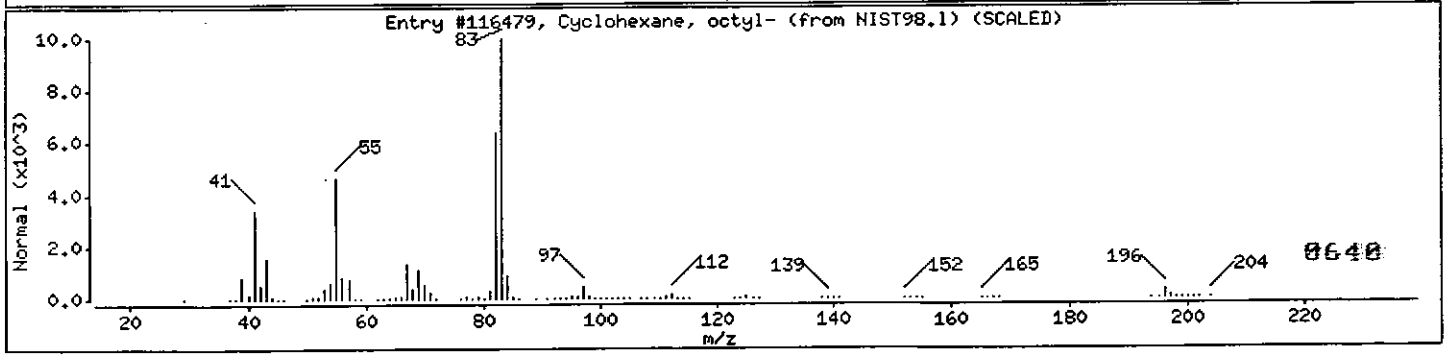
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (1-methylbutyl)-	61208-94-4	NIST98.1	14160	50	C11H22	154
Cyclohexane, butyl-	1678-93-9	NIST98.1	116483	50	C10H20	140
Cyclohexane, octyl-	1795-15-9	NIST98.1	116479	43	C14H28	196









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

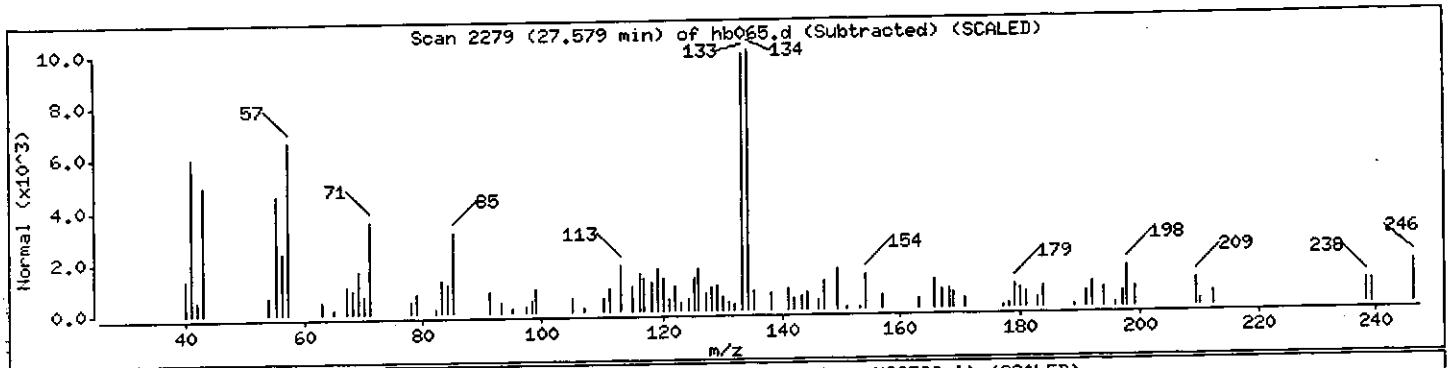
Volume Injected (uL): 2.0

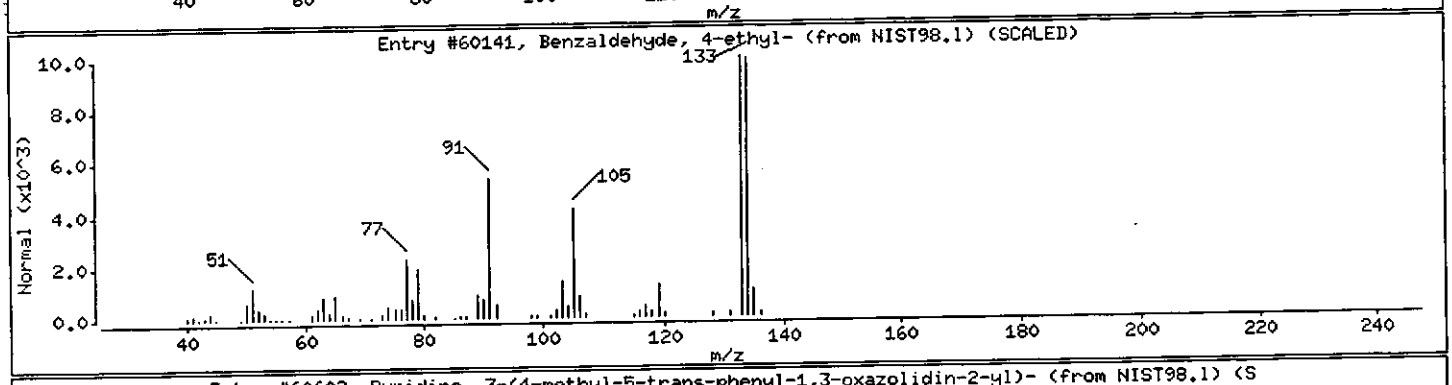
Operator: lmh00956

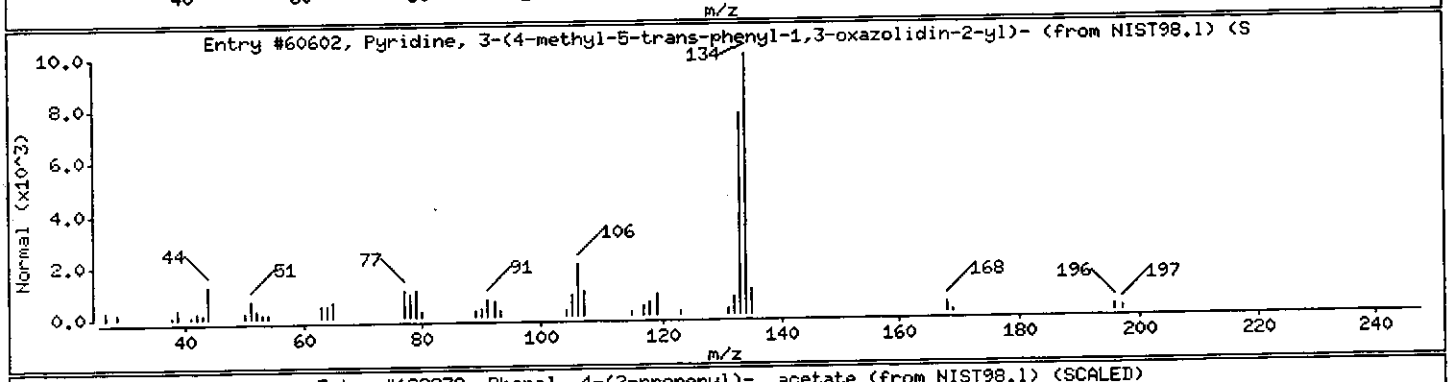
Column phase: J&W DB-5.625

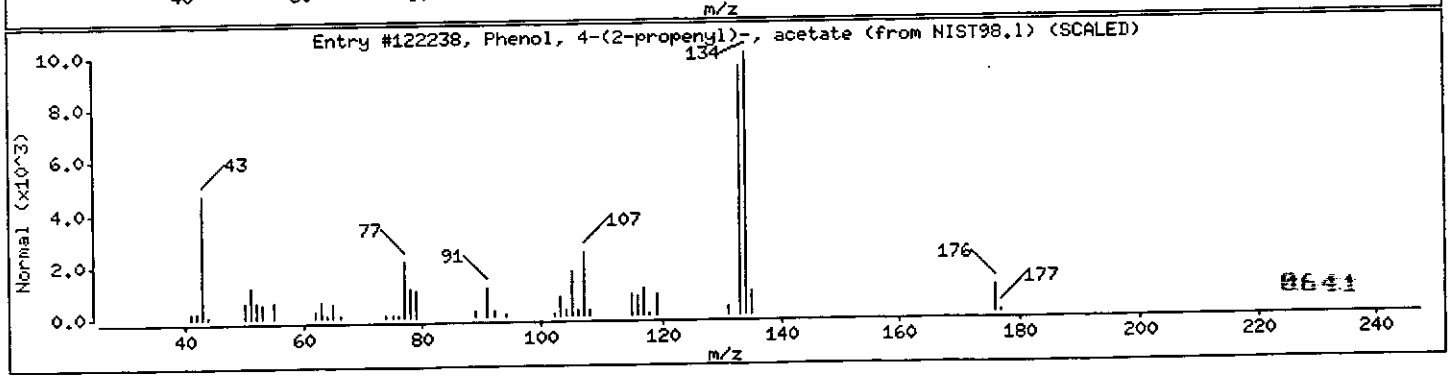
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzaldehyde, 4-ethyl-	4748-78-1	NIST98.1	60141	50	C9H10O	134
Pyridine, 3-(4-methyl-5-trans-phenyl-1,3	1000142-75-2	NIST98.1	60602	40	C15H16N2O	240
Phenol, 4-(2-propenyl)-, acetate	61499-22-7	NIST98.1	122238	40	C11H12O2	176









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

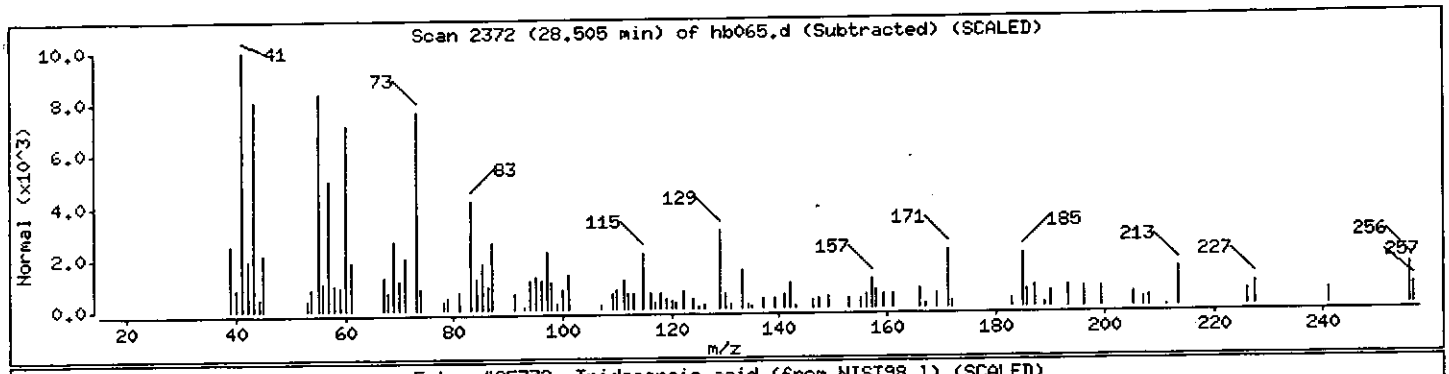
Volume Injected (uL): 2.0

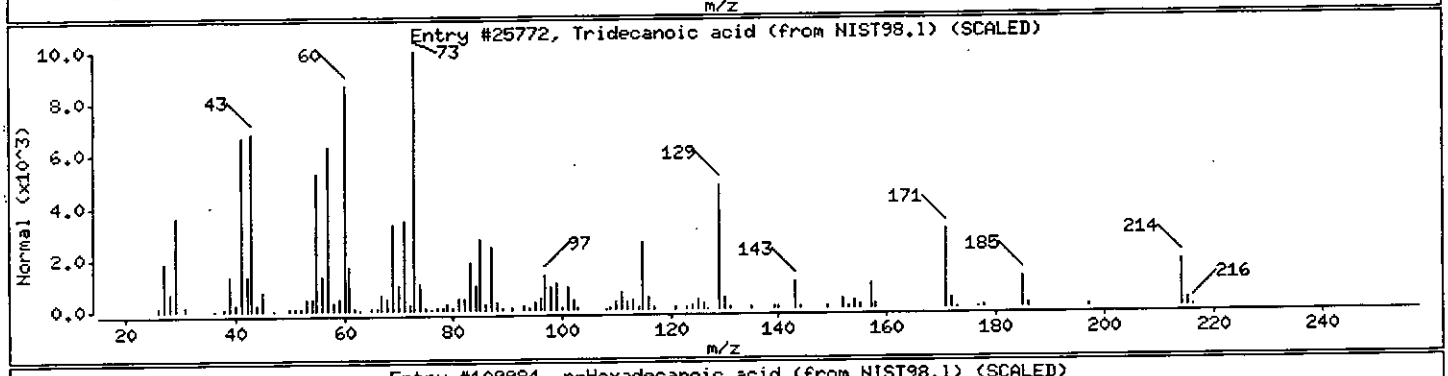
Operator: lmh00956

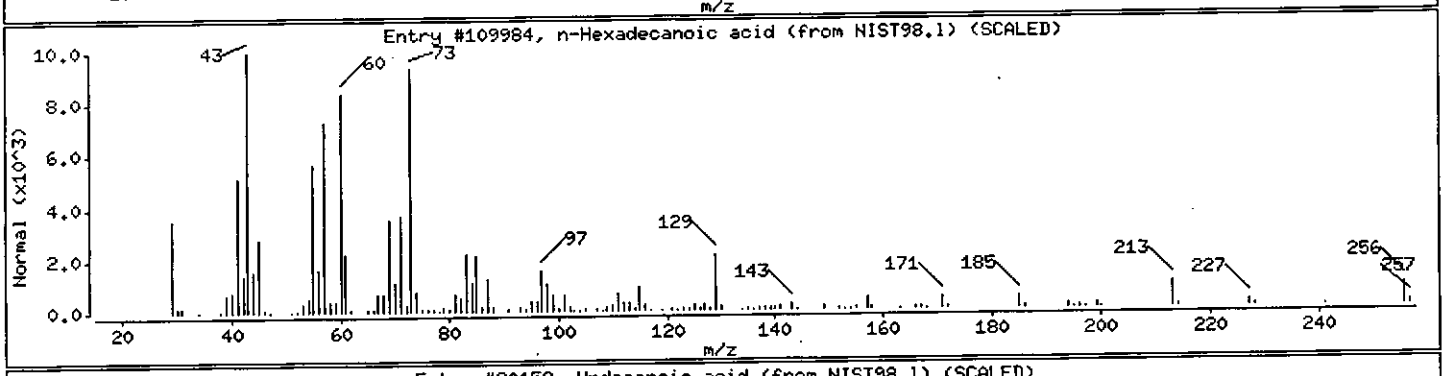
Column phase: J&W DB-5.625

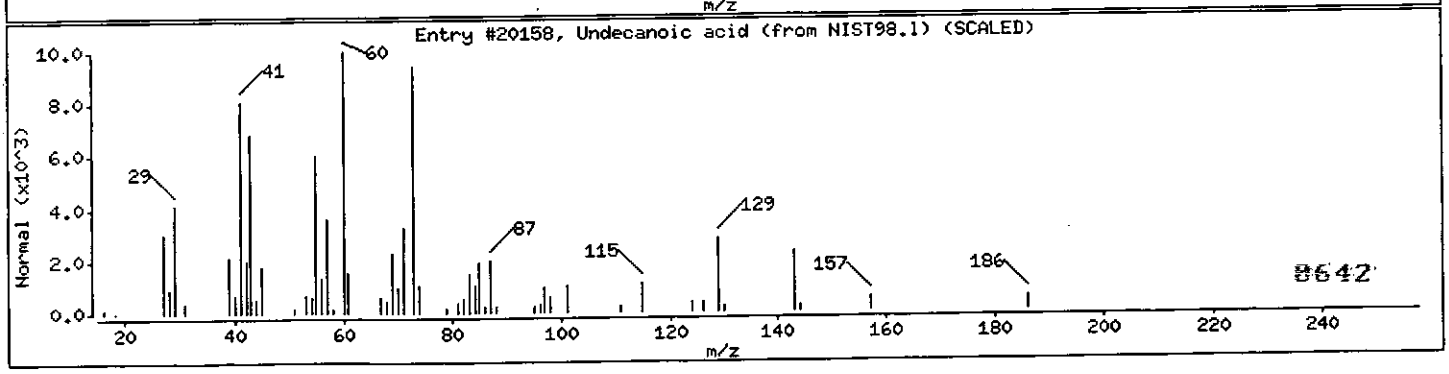
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Tridecanoic acid	638-53-9	NIST98.1	25772	46	C13H2602	214
n-Hexadecanoic acid	57-10-3	NIST98.1	109984	46	C16H3202	256
Undecanoic acid	112-37-8	NIST98.1	20158	38	C11H2202	186









8642

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

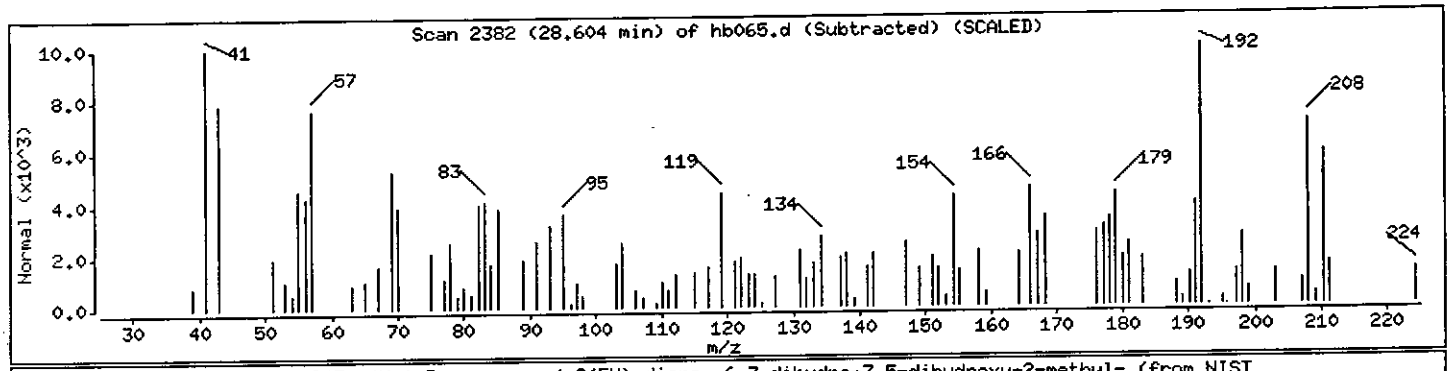
Volume Injected (uL): 2.0

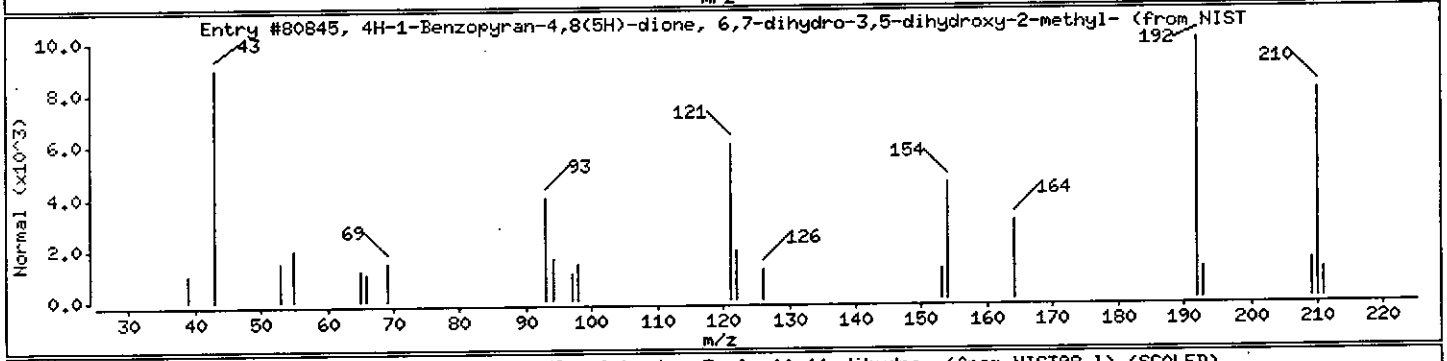
Operator: lmh00956

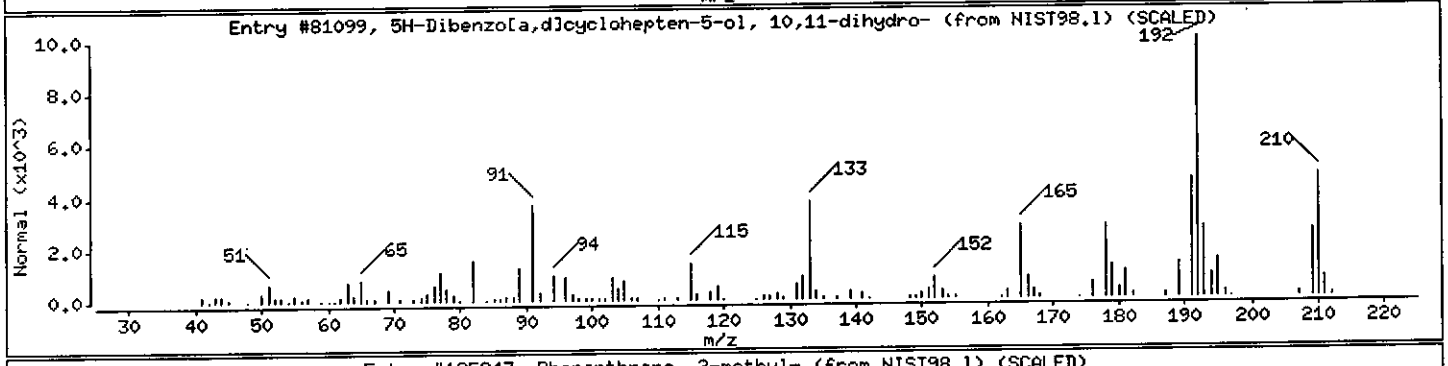
Column phase: J&W DB-5.625

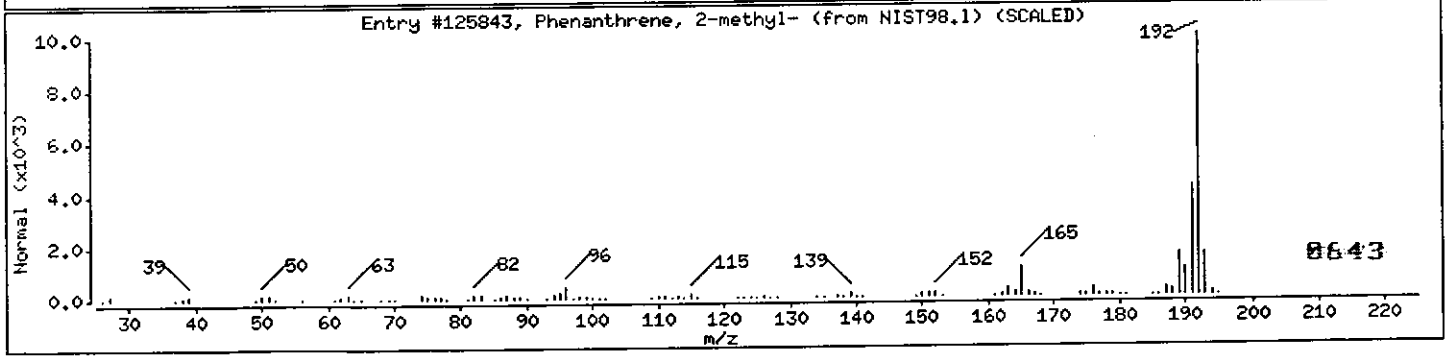
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4H-1-Benzopyran-4,8(5H)-dione, 6,7-dihyd	35942-09-7	NIST98.1	80845	38	C10H1005	210
5H-Dibenzo[a,d]cyclohepten-5-ol, 10,11-d	1210-34-0	NIST98.1	81099	27	C15H140	210
Phenanthrene, 2-methyl-	2531-84-2	NIST98.1	125843	18	C15H12	192









8643

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

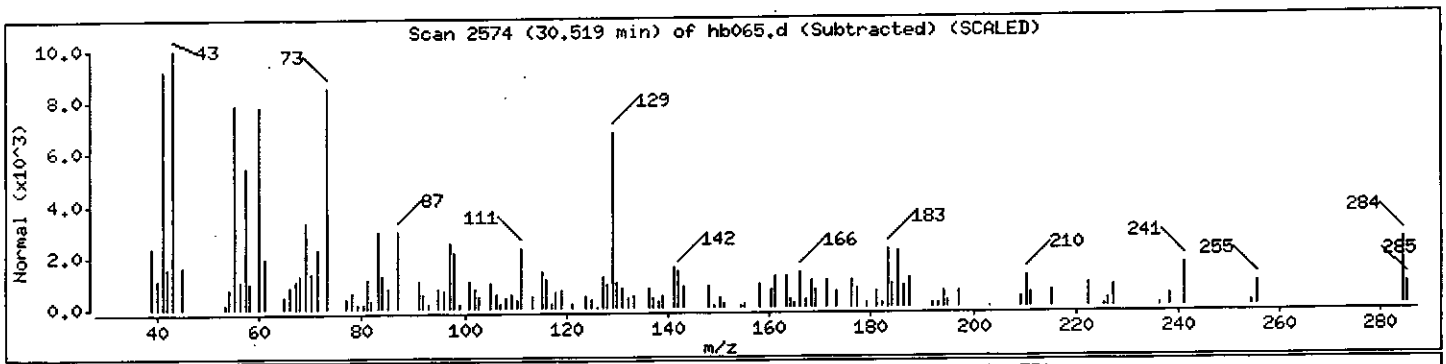
Volume Injected (uL): 2.0

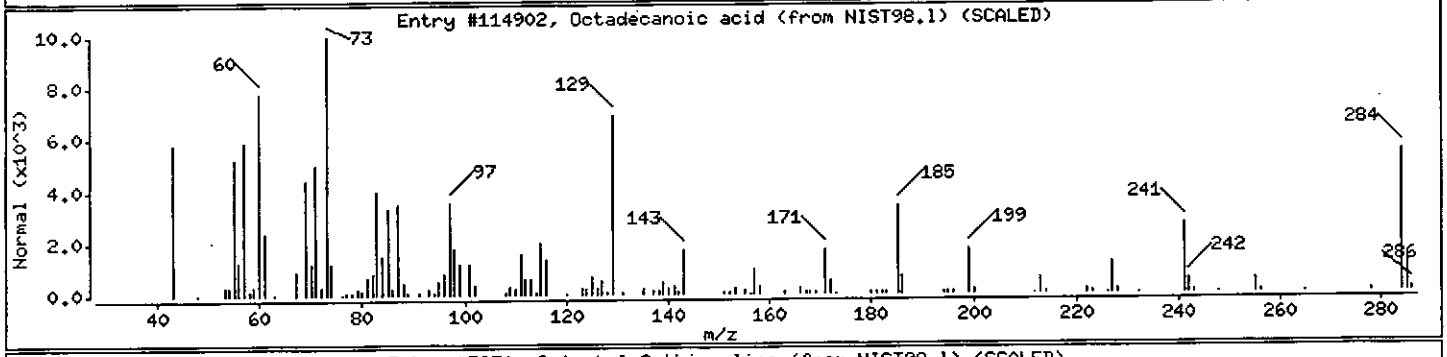
Operator: lmh00956

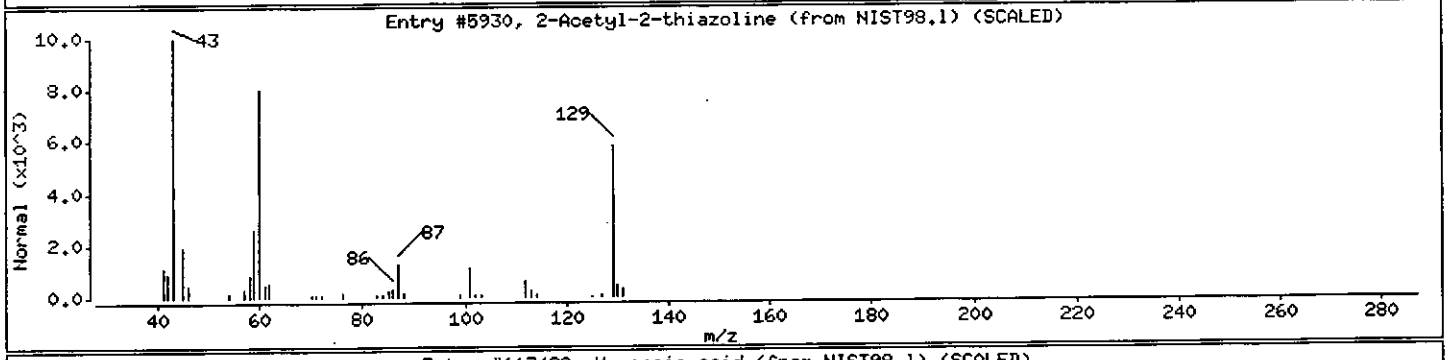
Column phase: J&W DB-5.625

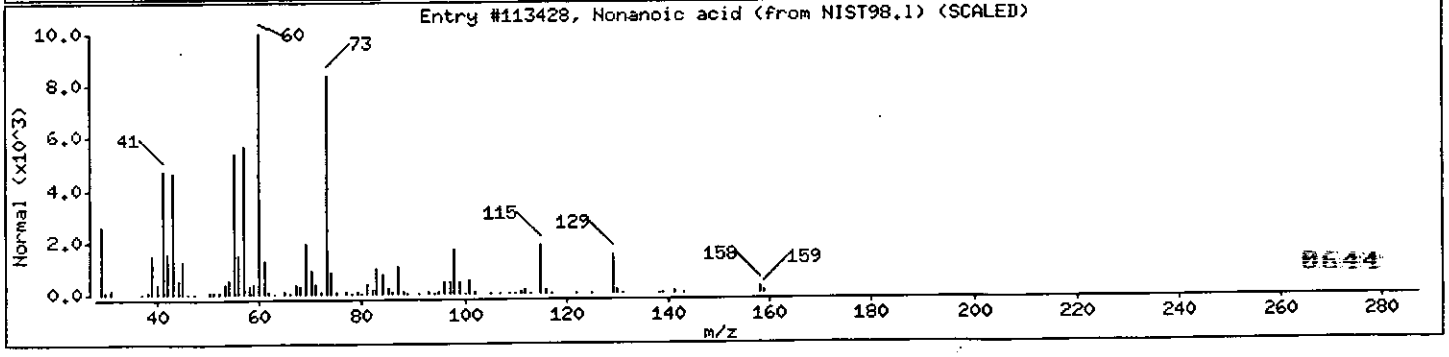
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid	57-11-4	NIST98.1	114902	89	C18H36O2	284
2-Acetyl-2-thiazoline	1000121-56-5	NIST98.1	5930	38	C5H7NOS	129
Nonanoic acid	112-05-0	NIST98.1	113428	38	C9H18O2	158









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

Operator: lmh00956

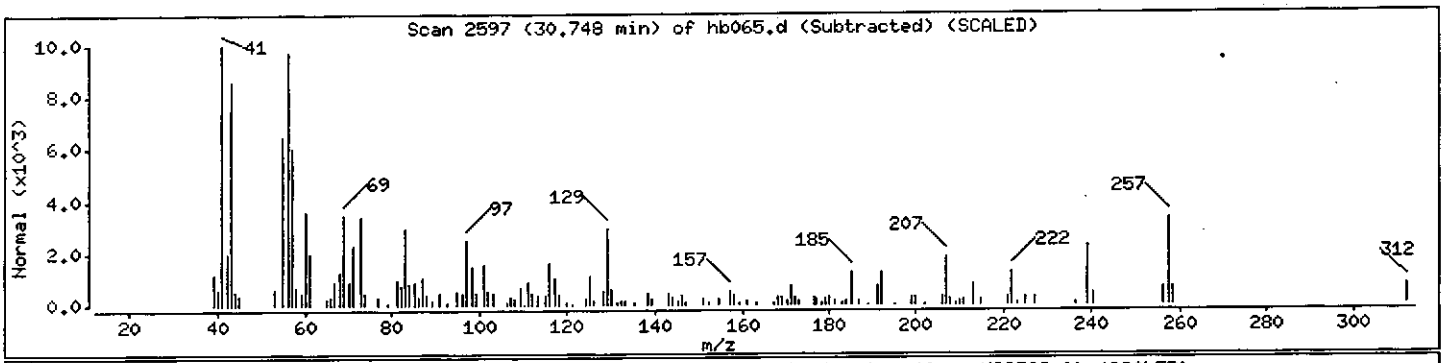
Column phase: J&W DB-5.625

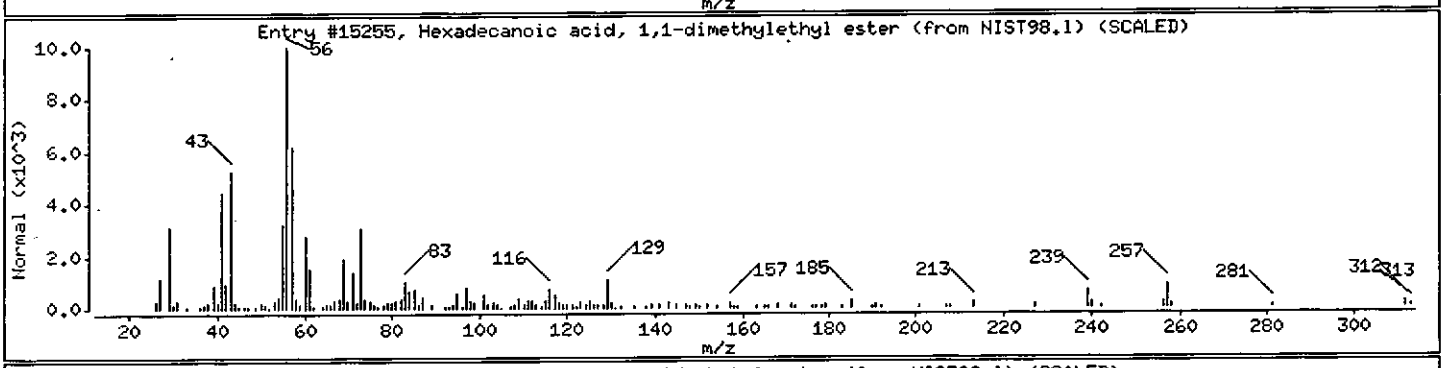
Column diameter: 0.25

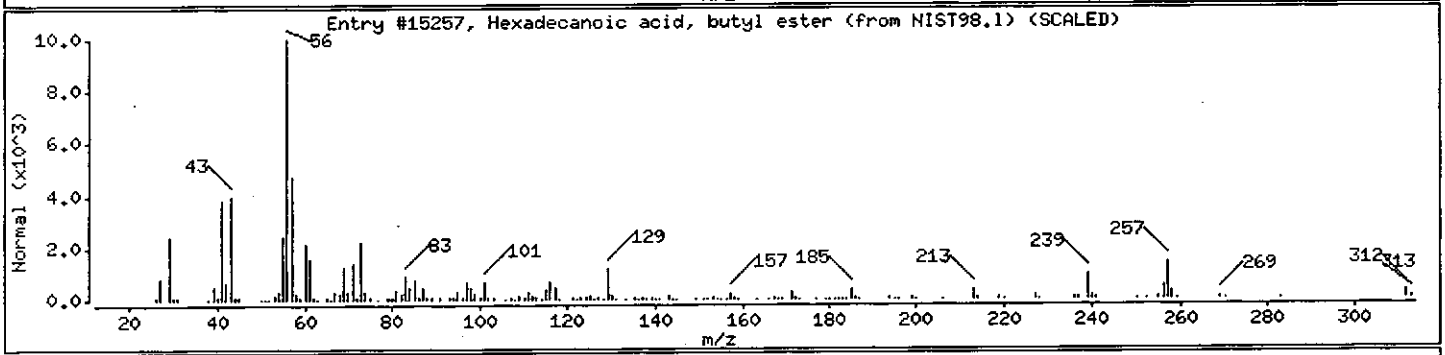
B

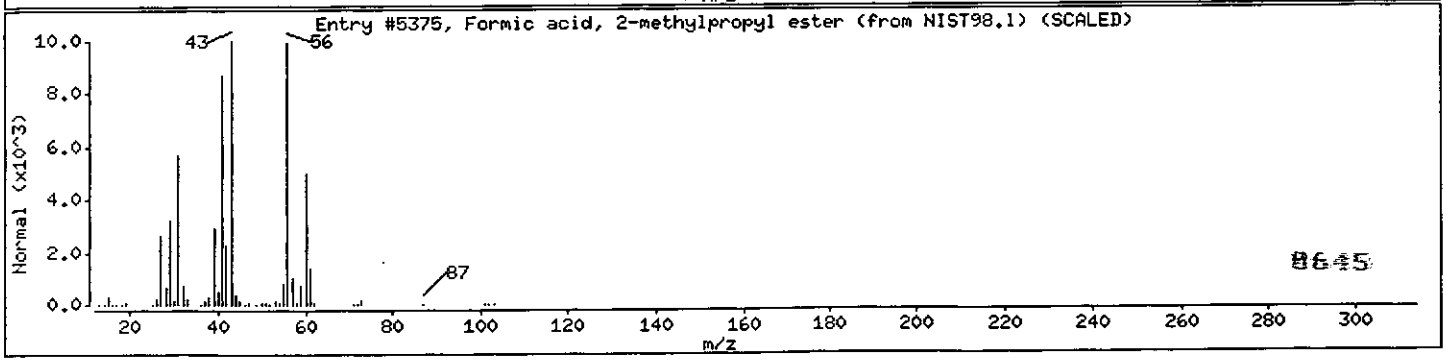
lmh 1980
02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	81	C20H40O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	56	C20H40O2	312
Formic acid, 2-methylpropyl ester	542-55-2	NIST98.1	5375	35	C5H10O2	102









8645

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

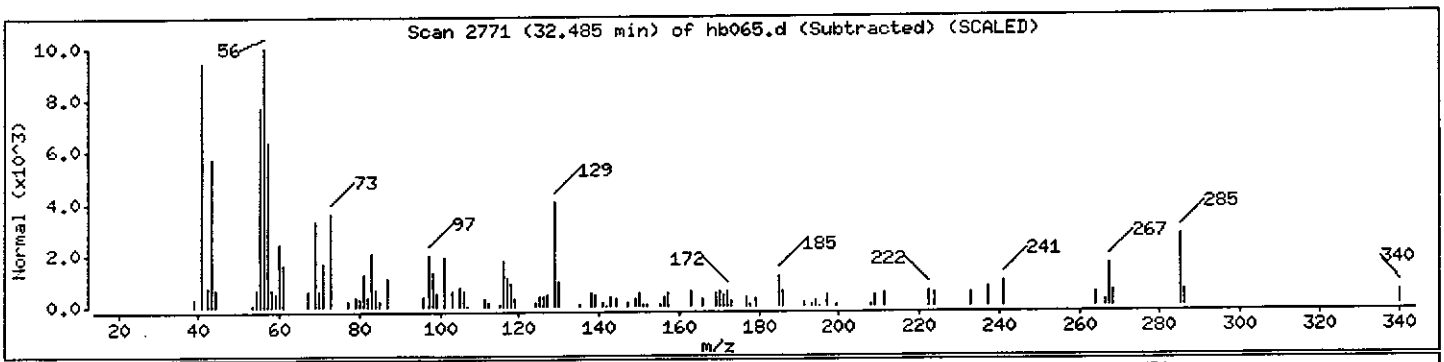
Operator: lmh00956

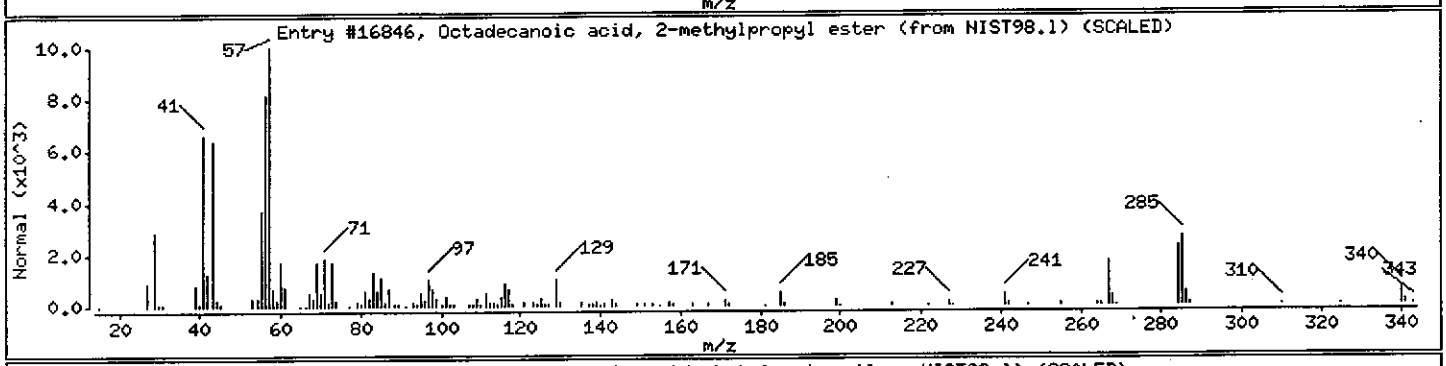
Column phase: J&W DB-5.625

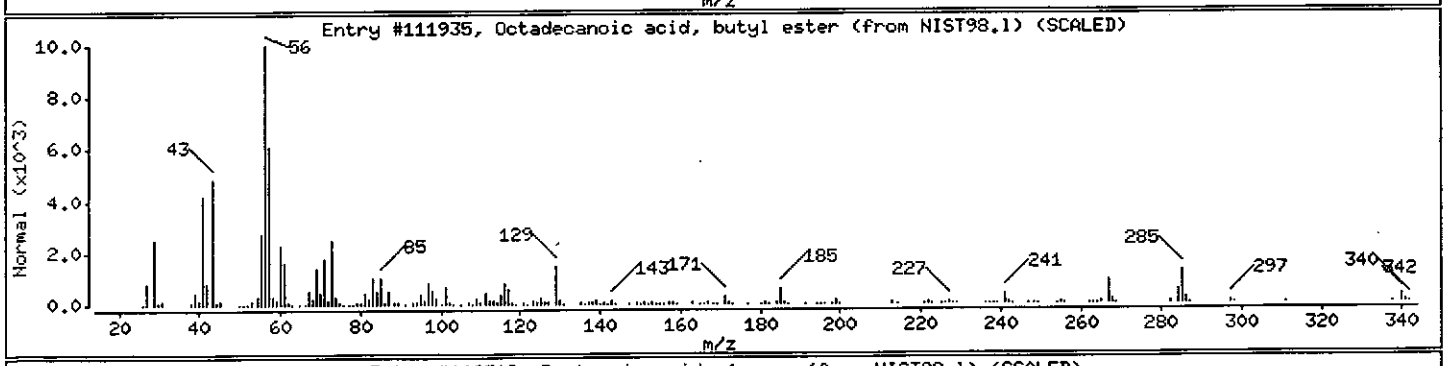
Column diameter: 0.25

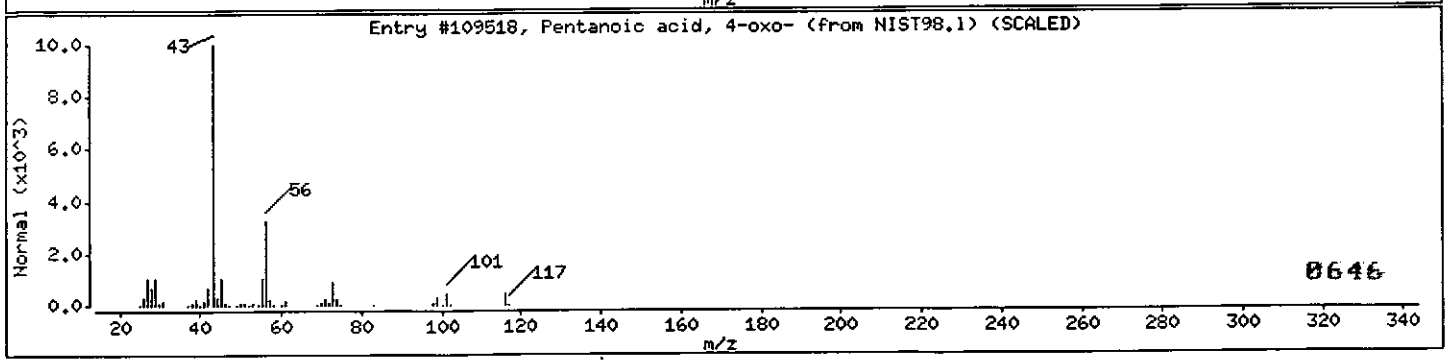
(B) LMN198 22/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	58	C22H44O2	340
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111935	58	C22H44O2	340
Pentanoic acid, 4-oxo-	123-76-2	NIST98.1	109518	32	C5H8O3	116









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

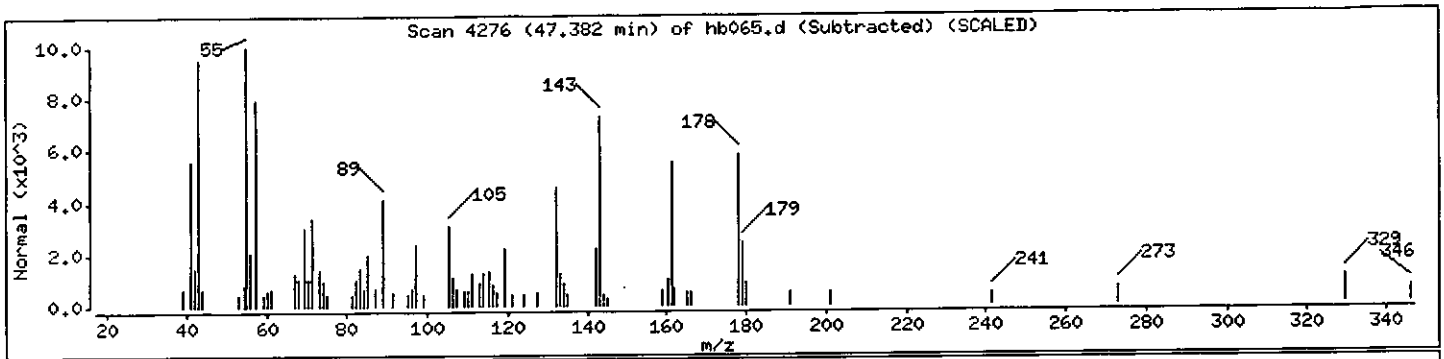
Volume Injected (uL): 2.0

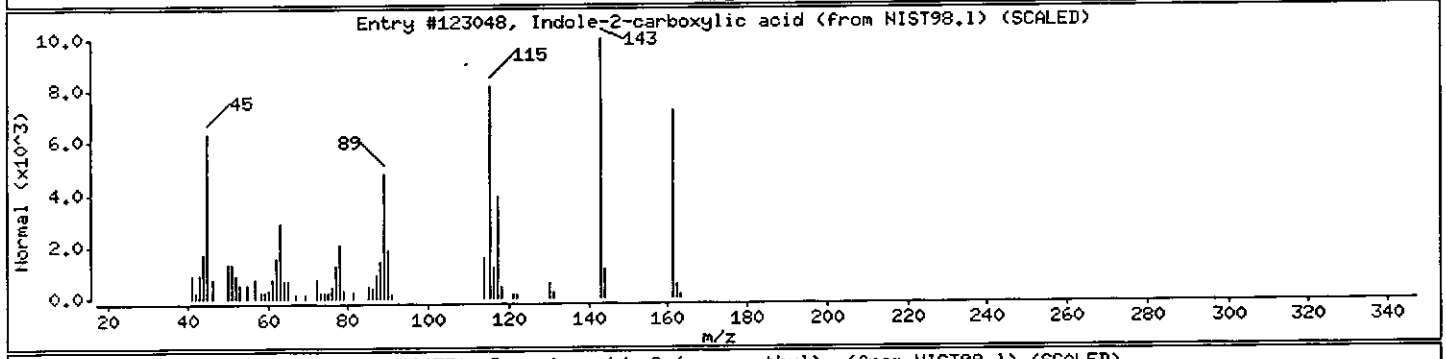
Operator: lmh00956

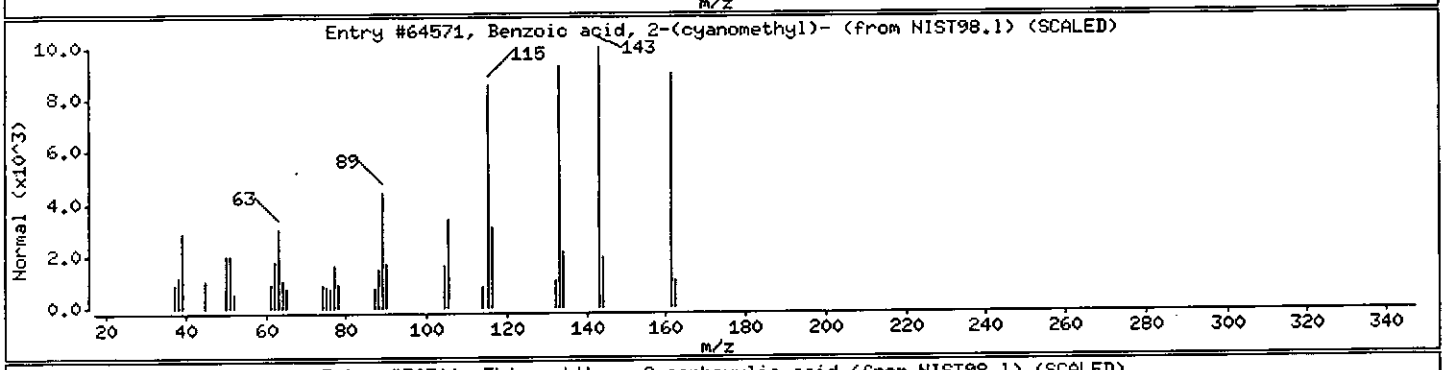
Column phase: J&W DB-5.625

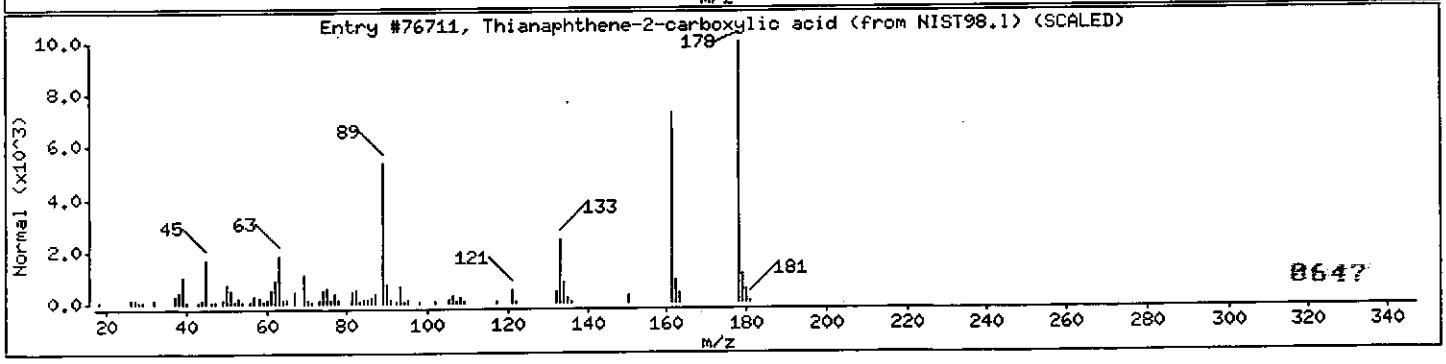
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Indole-2-carboxylic acid	1477-50-5	NIST98.1	123048	38	C9H7NO2	161
Benzoic acid, 2-(cyanomethyl)-	6627-91-4	NIST98.1	64571	27	C9H7NO2	161
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.1	76711	25	C9H6O2S	178









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

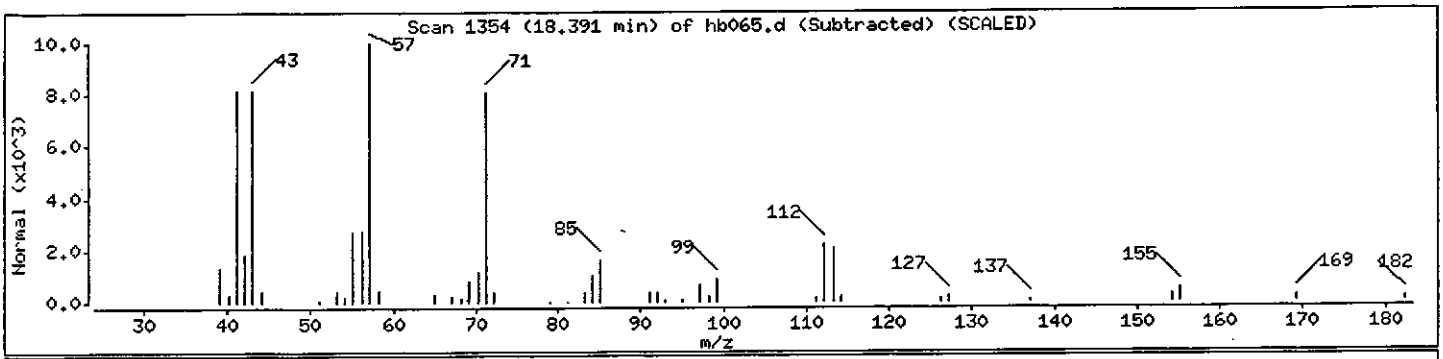
Volume Injected (uL): 2.0

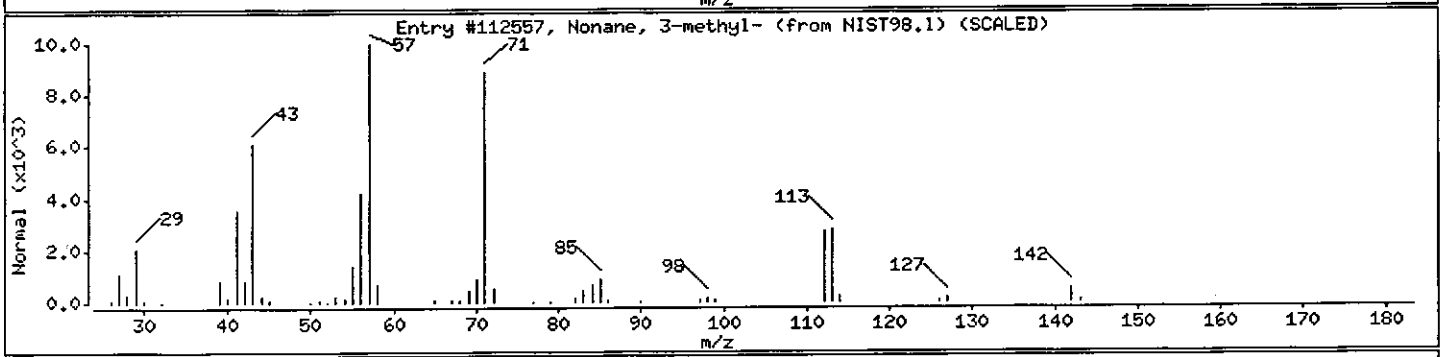
Operator: lmh00956

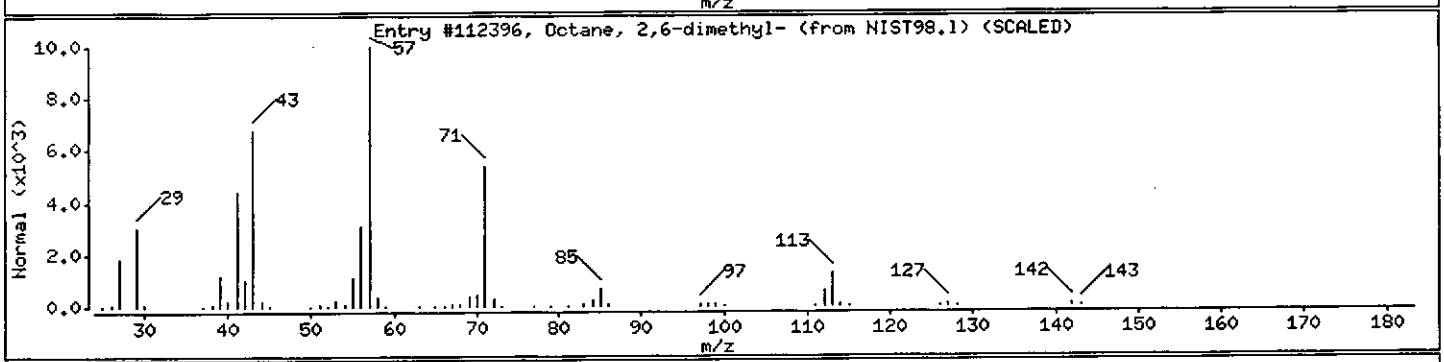
Column phase: J&W DB-5.625

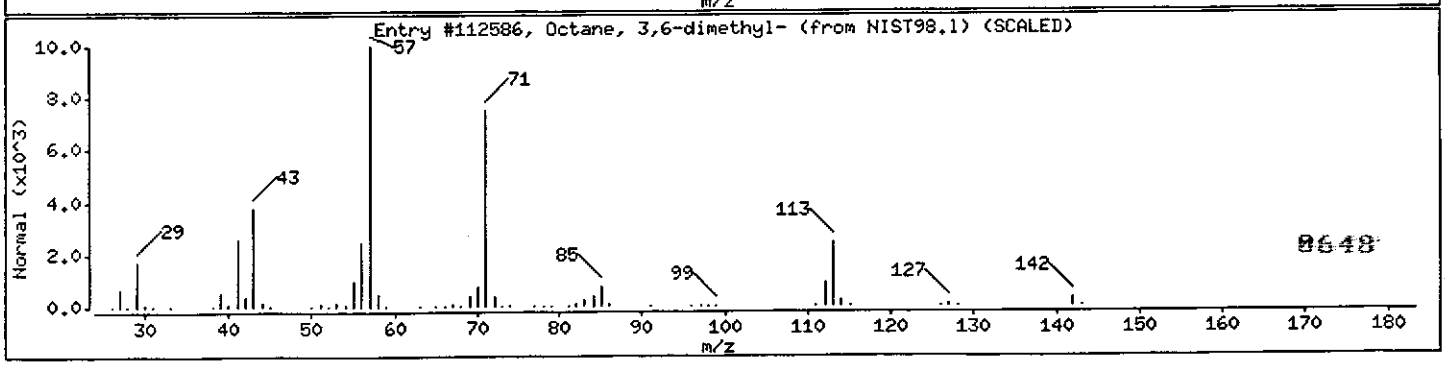
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 3-methyl-	5911-04-6	NIST98.1	112557	72	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NIST98.1	112396	72	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NIST98.1	112586	64	C10H22	142









0648

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

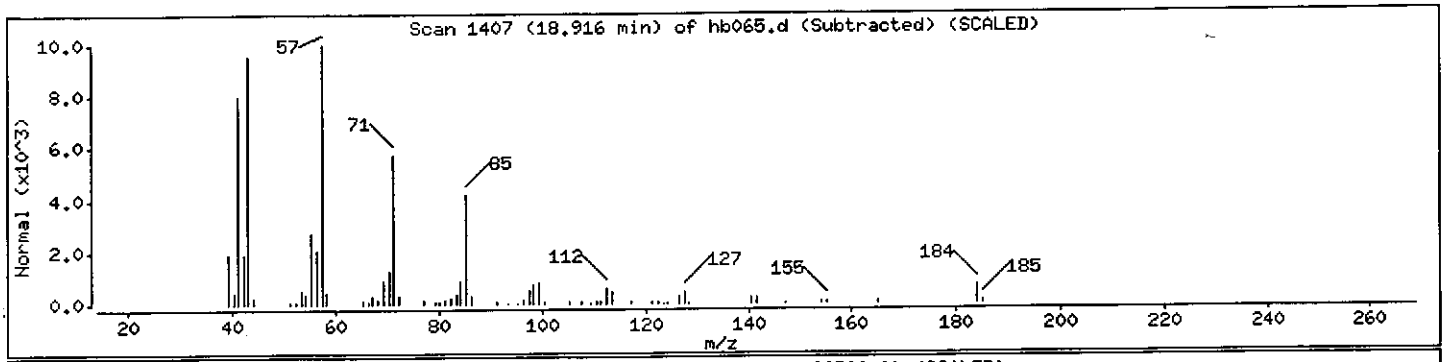
Volume Injected (uL): 2.0

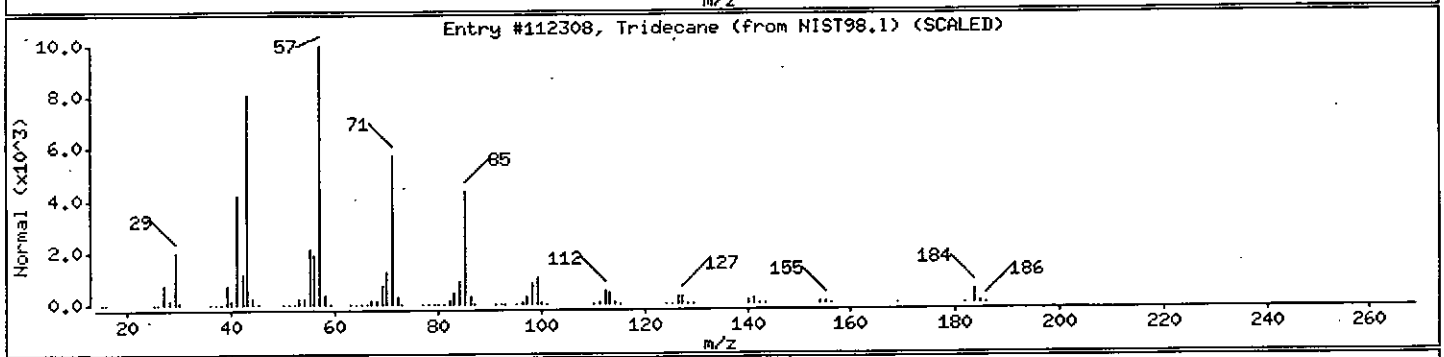
Operator: lmh00956

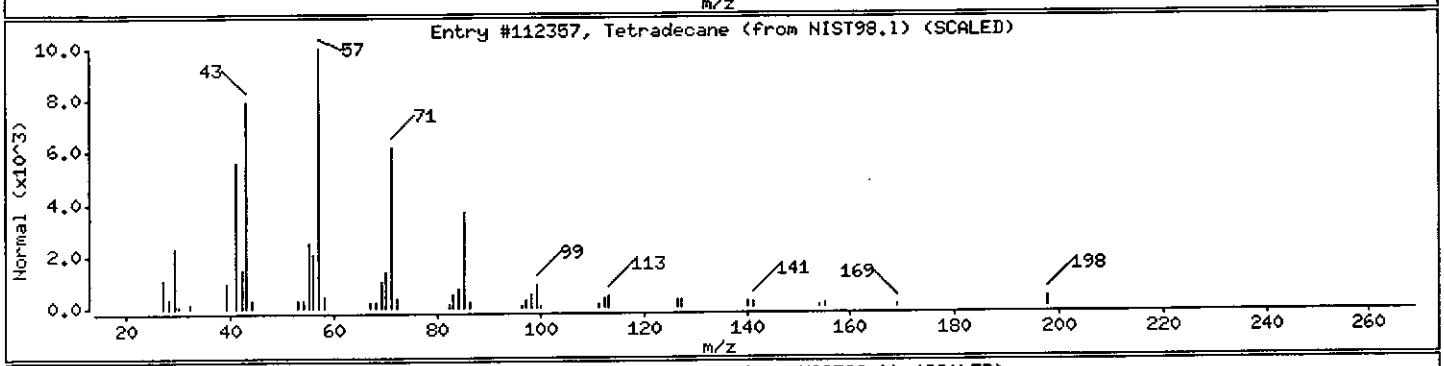
Column phase: J&W DB-5.625

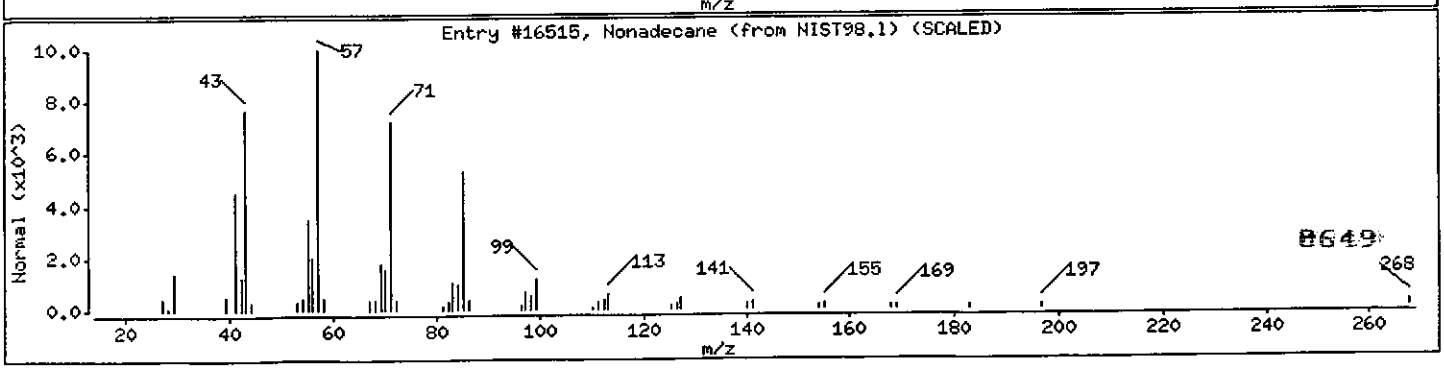
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST98.1	112308	97	C13H28	184
Tetradecane	629-59-4	NIST98.1	112357	87	C14H30	198
Nonadecane	629-92-5	NIST98.1	16515	80	C19H40	268









B649

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

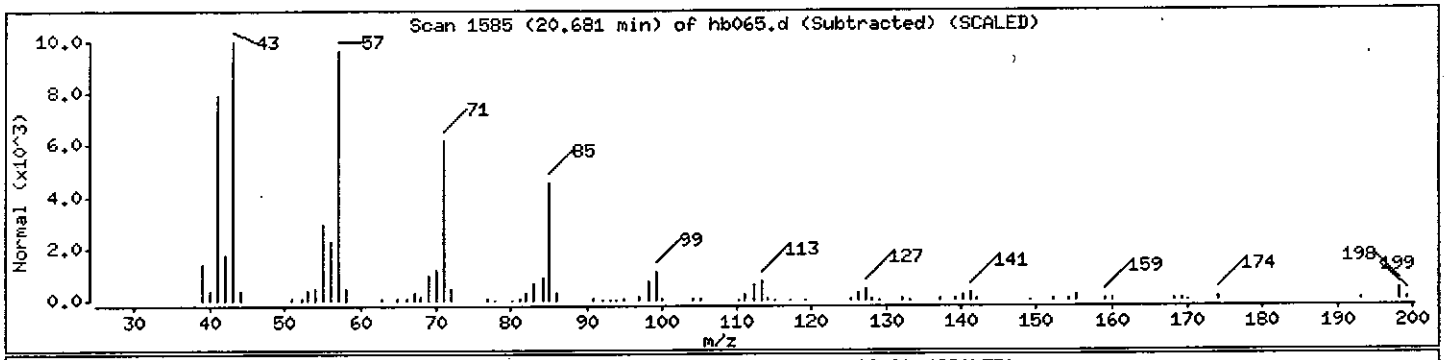
Volume Injected (uL): 2.0

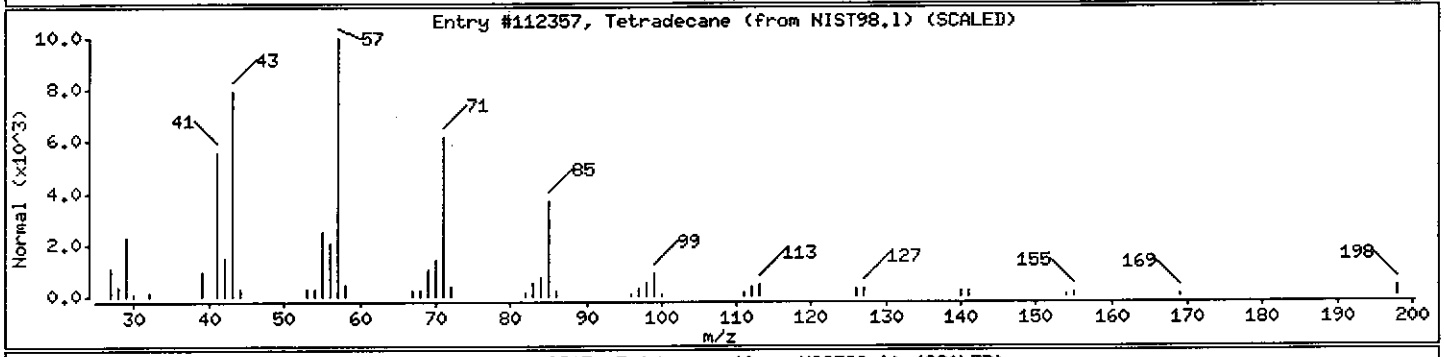
Operator: lmh00956

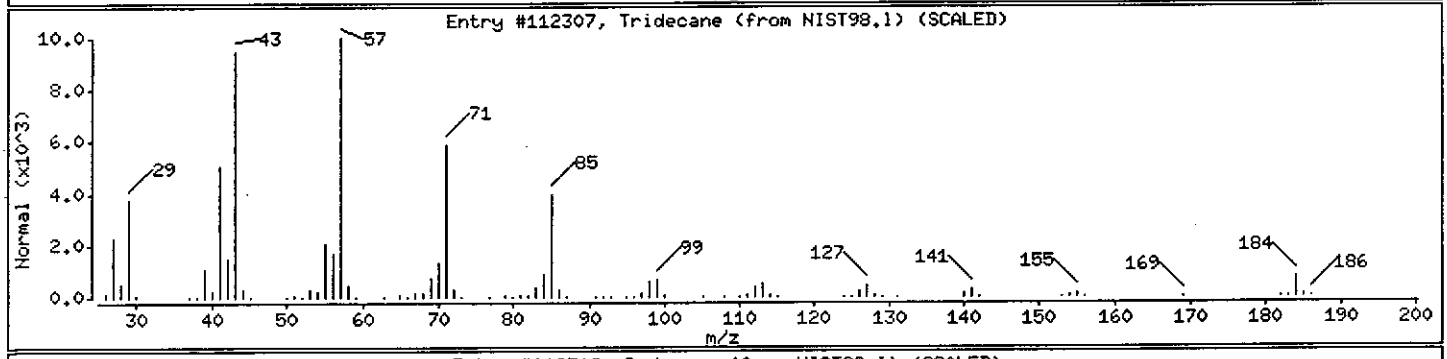
Column phase: J&W DB-5.625

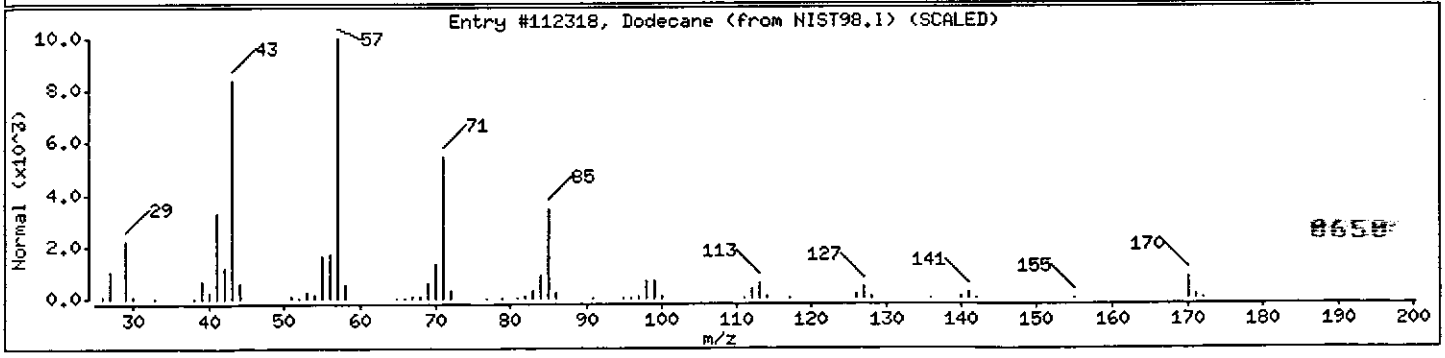
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST98.1	112357	97	C14H30	198
Tridecane	629-50-5	NIST98.1	112307	91	C13H28	184
Dodecane	112-40-3	NIST98.1	112318	90	C12H26	170









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

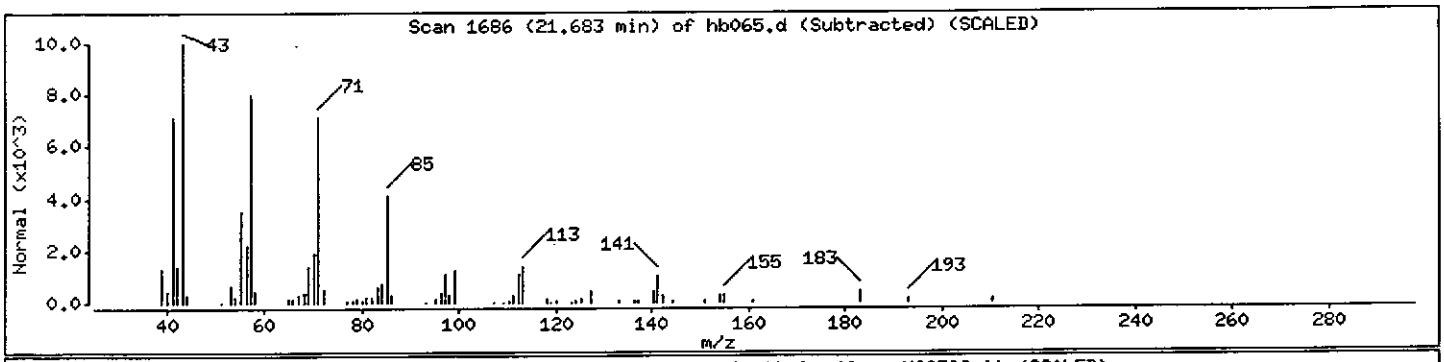
Volume Injected (uL): 2.0

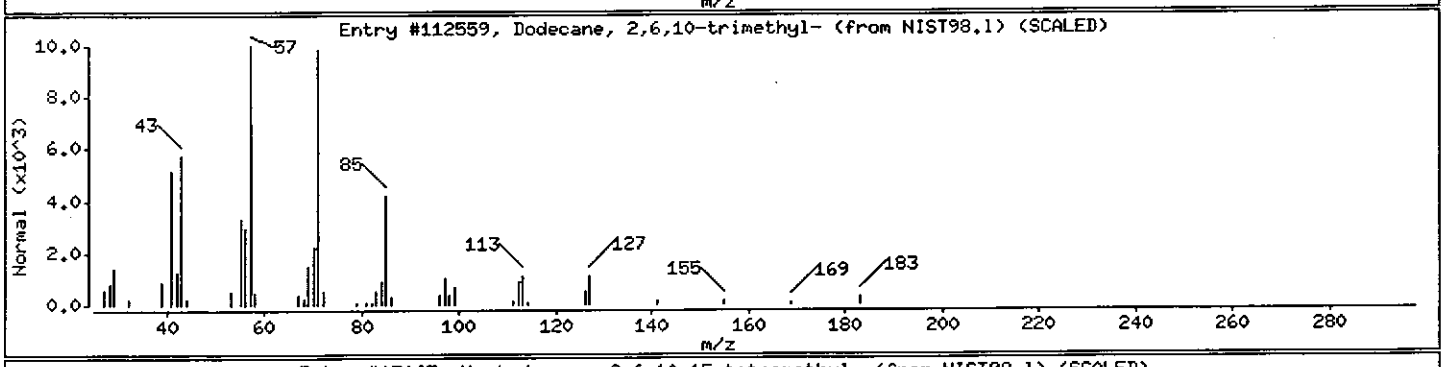
Operator: lmh00956

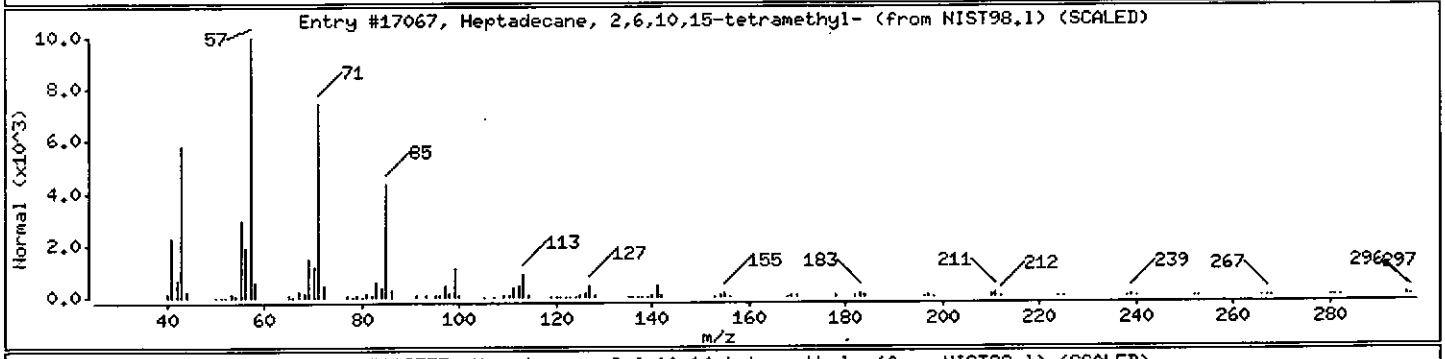
Column phase: J&W DB-5.625

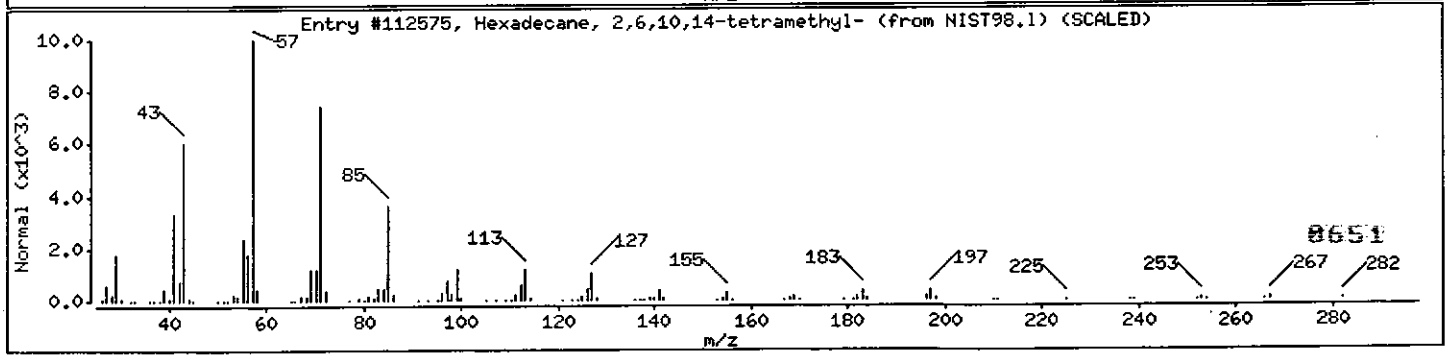
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST98.1	112559	87	C15H32	212
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	80	C21H44	296
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	112575	72	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

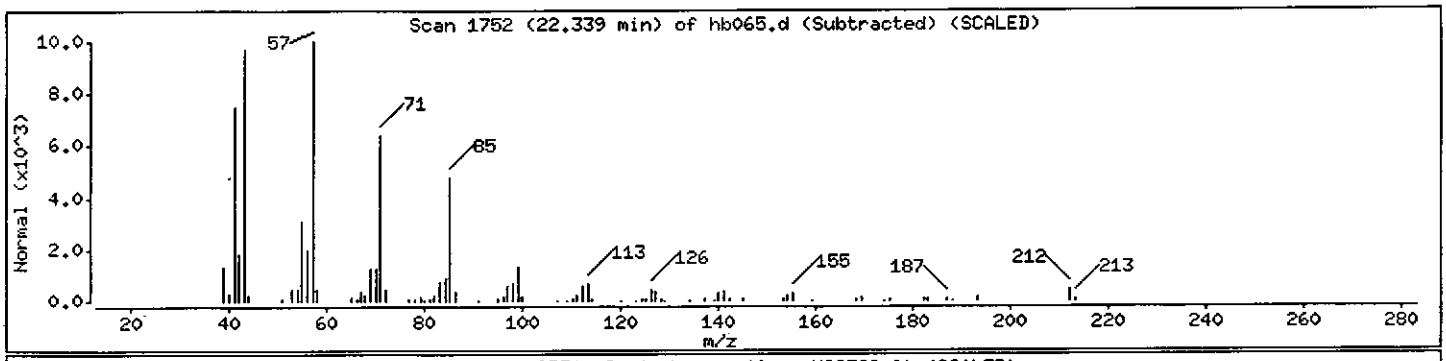
Volume Injected (uL): 2.0

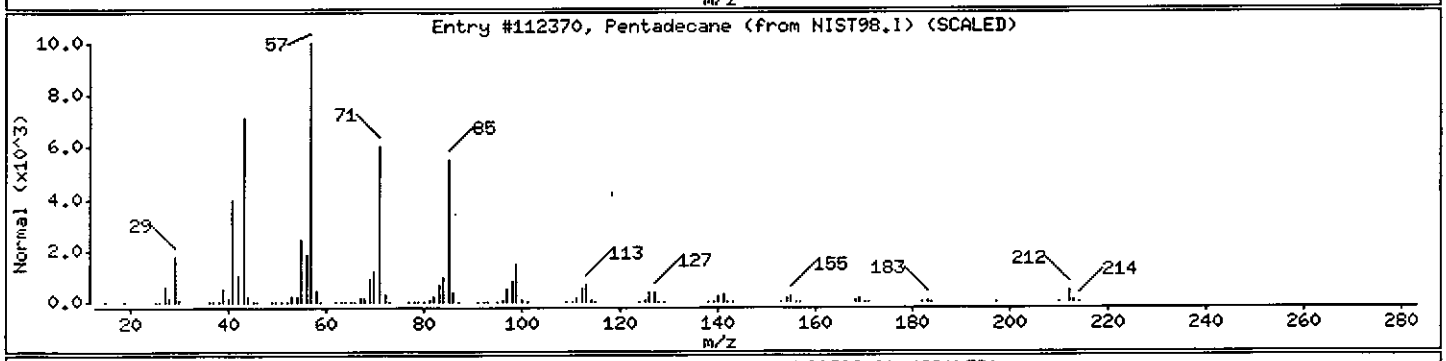
Operator: lmh00956

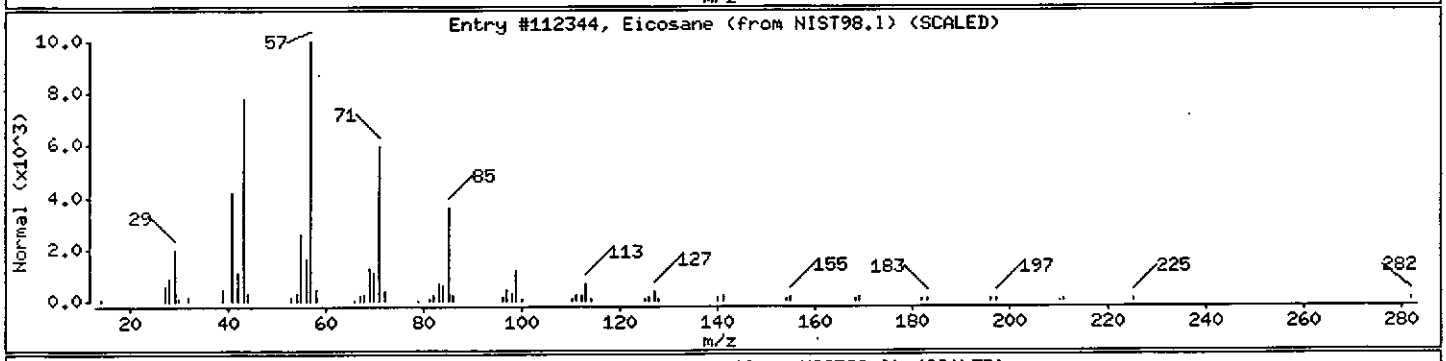
Column phase: J&W DB-5.625

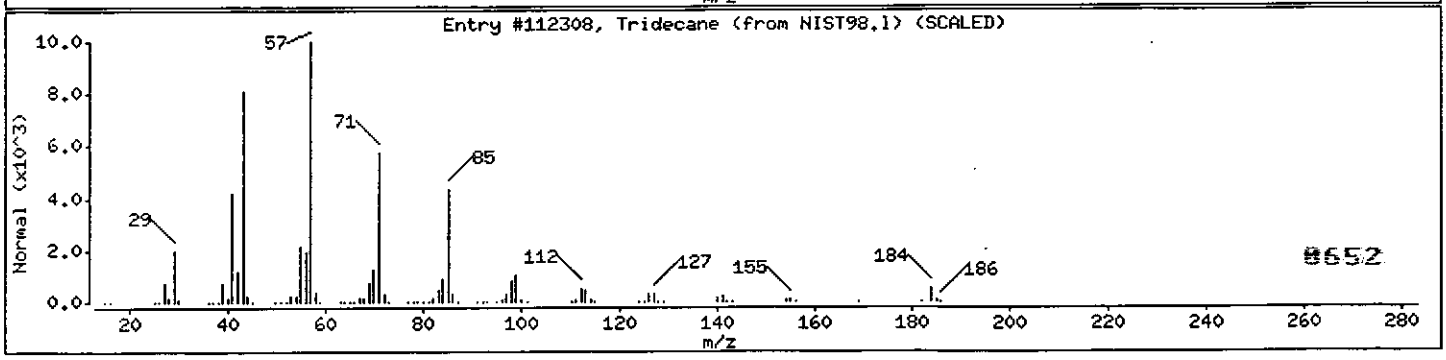
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	98	C15H32	212
Eicosane	112-95-8	NIST98.1	112344	90	C20H42	282
Tridecane	629-50-5	NIST98.1	112308	90	C13H28	184









0652

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

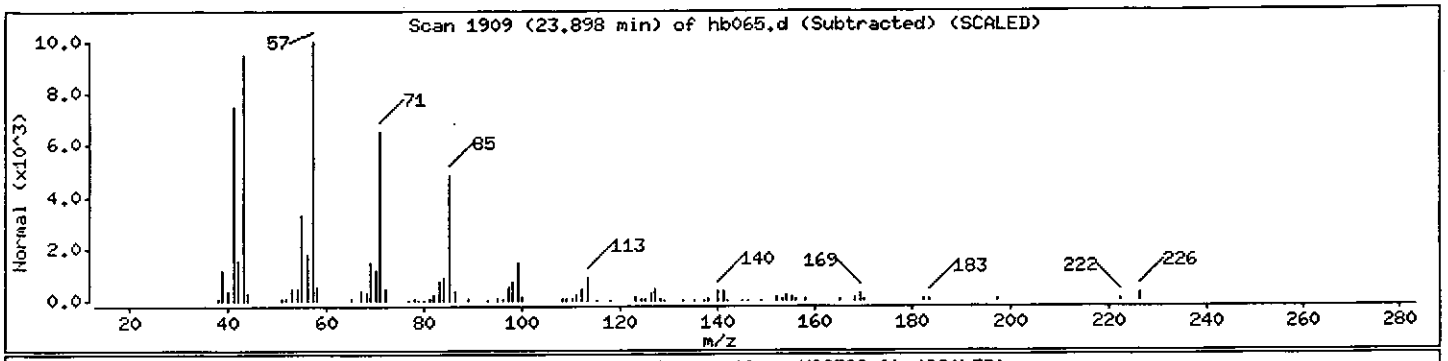
Volume Injected (uL): 2.0

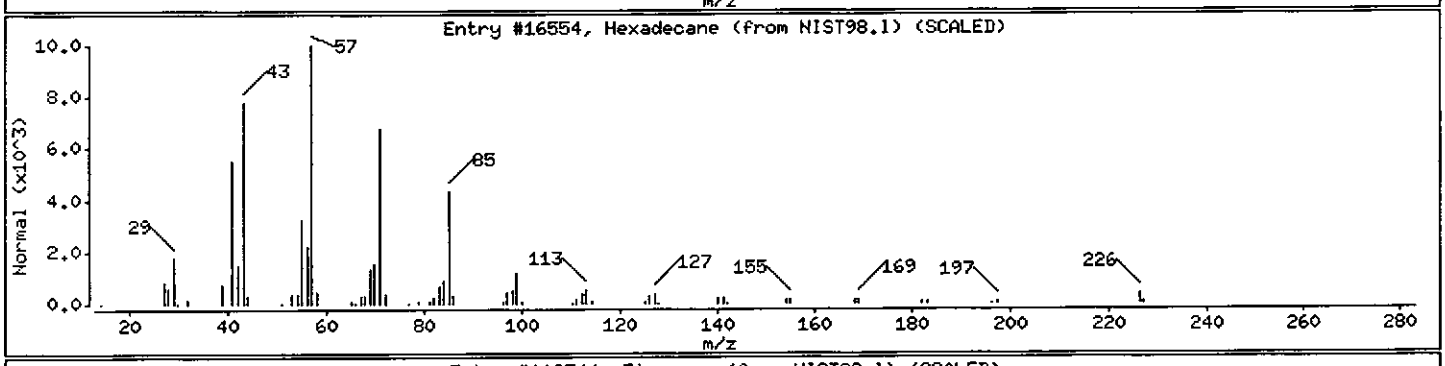
Operator: lmh00956

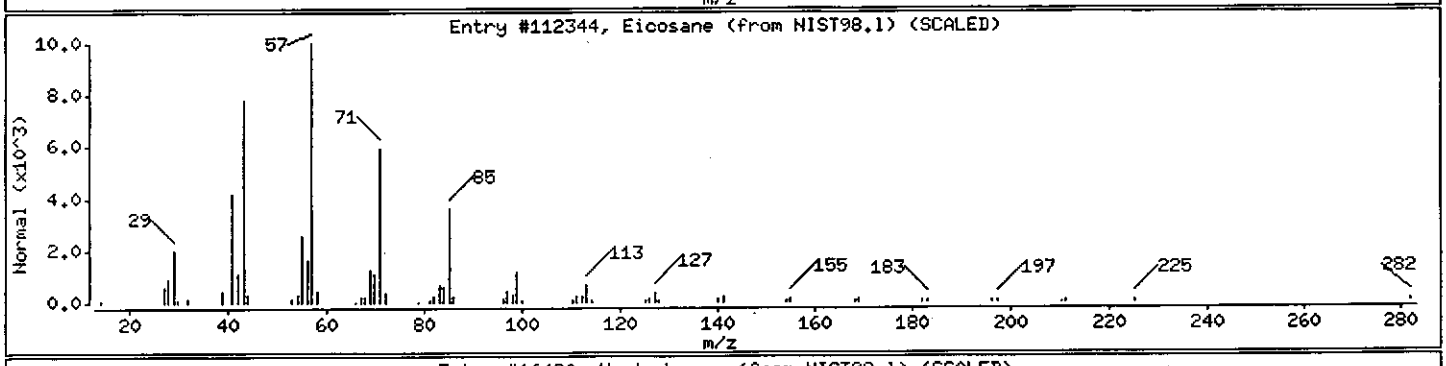
Column phase: J&W DB-5.625

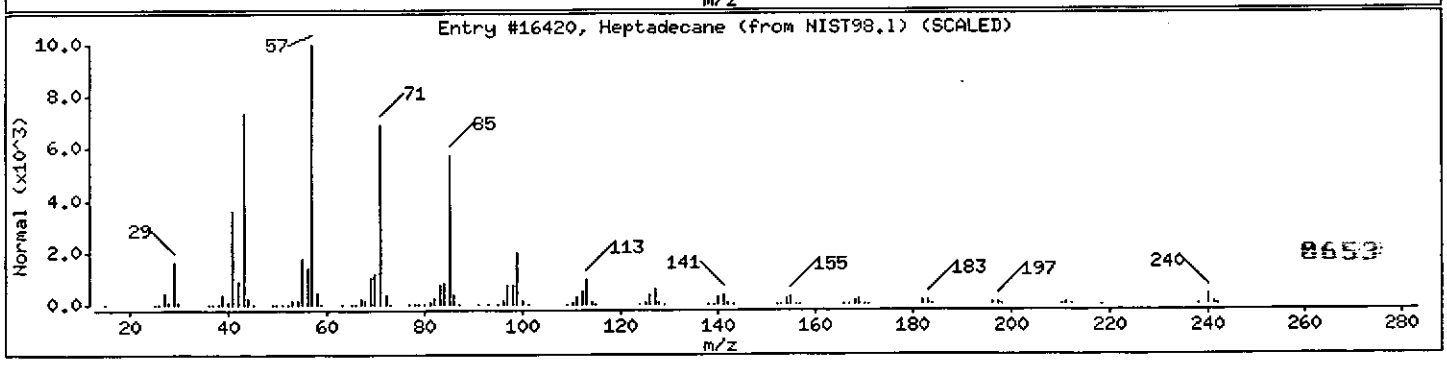
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	16554	97	C16H34	226
Eicosane	112-95-8	NIST98.1	112344	91	C20H42	282
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

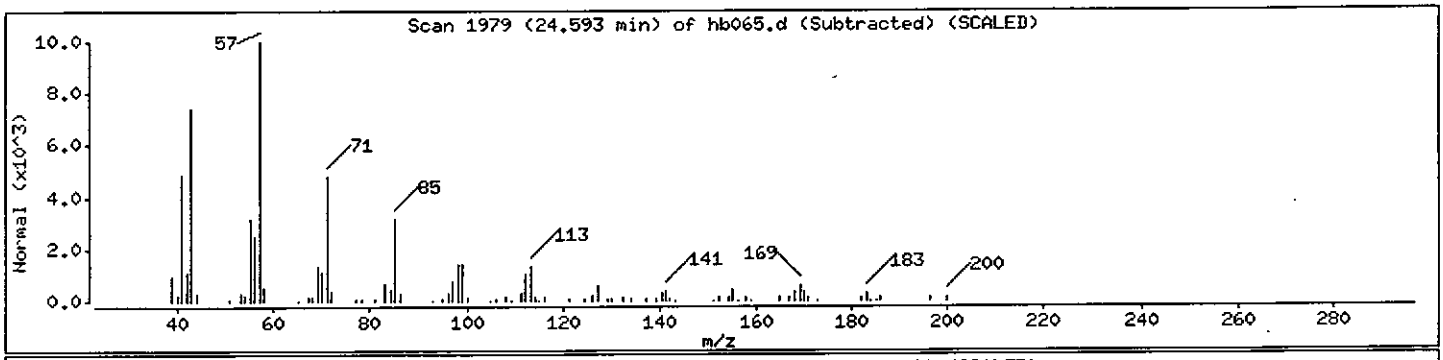
Volume Injected (uL): 2.0

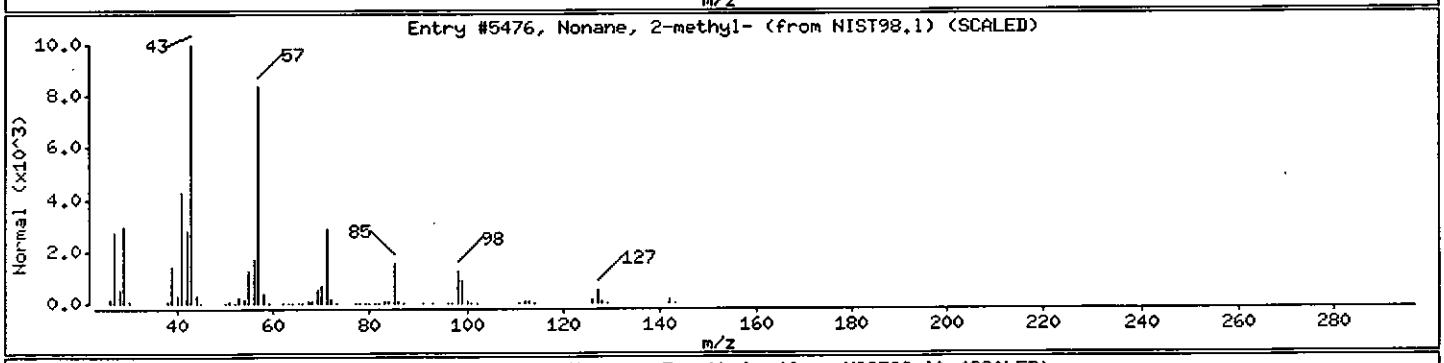
Operator: lmh00956

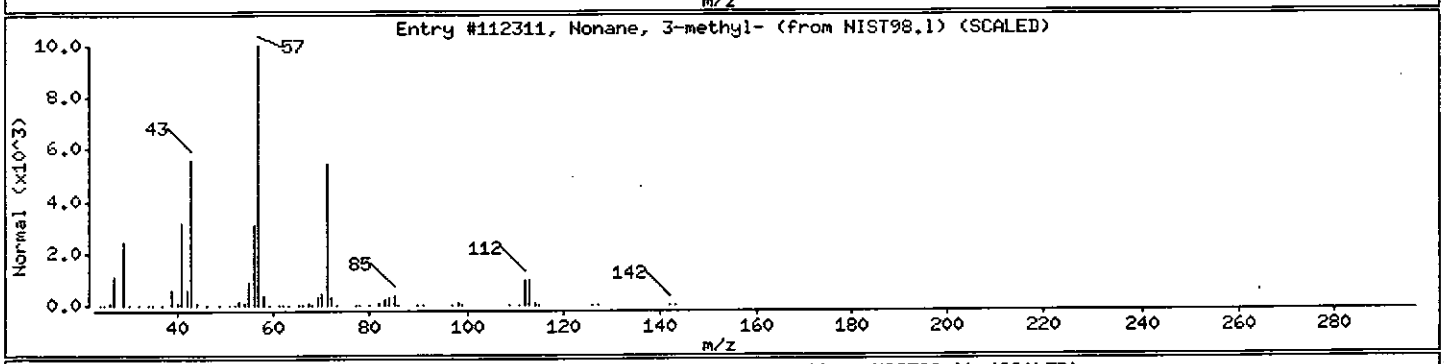
Column phase: J&W DB-5.625

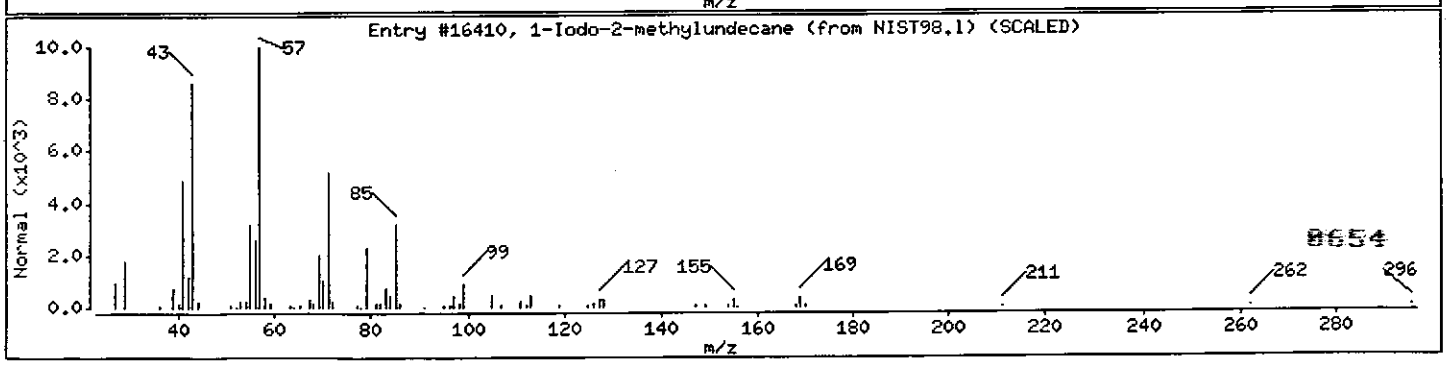
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 2-methyl-	871-83-0	NIST98.1	5476	76	C10H22	142
Nonane, 3-methyl-	5911-04-6	NIST98.1	112311	70	C10H22	142
1-Iodo-2-methylundecane	73105-67-6	NIST98.1	16410	64	C12H25I	296









8654

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

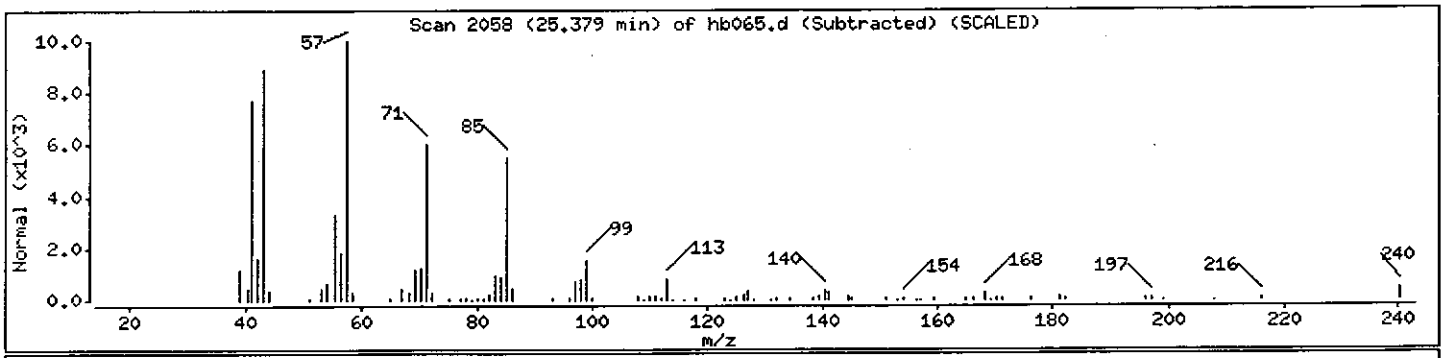
Volume Injected (uL): 2.0

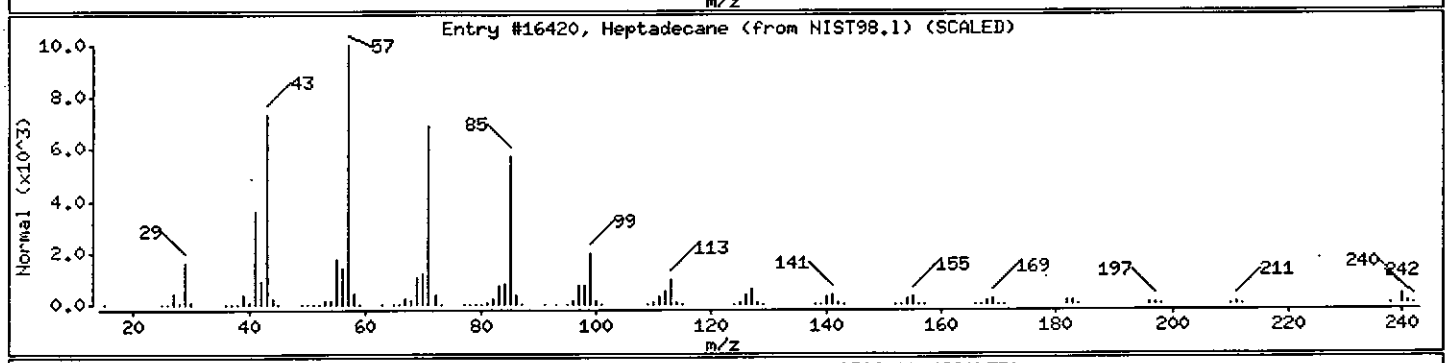
Operator: lmh00956

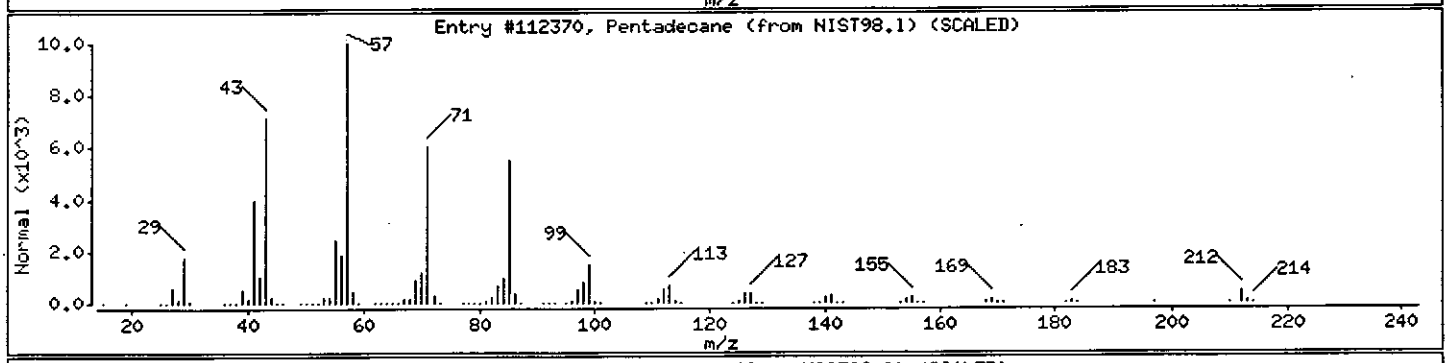
Column phase: J&W DB-5.625

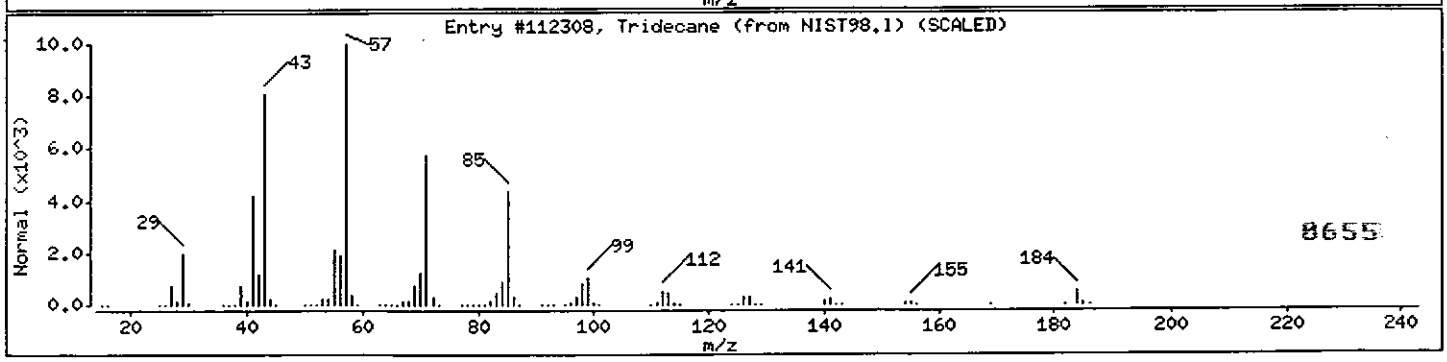
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	95	C17H36	240
Pentadecane	629-62-9	NIST98.1	112370	86	C15H32	212
Tridecane	629-50-5	NIST98.1	112308	86	C13H28	184









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

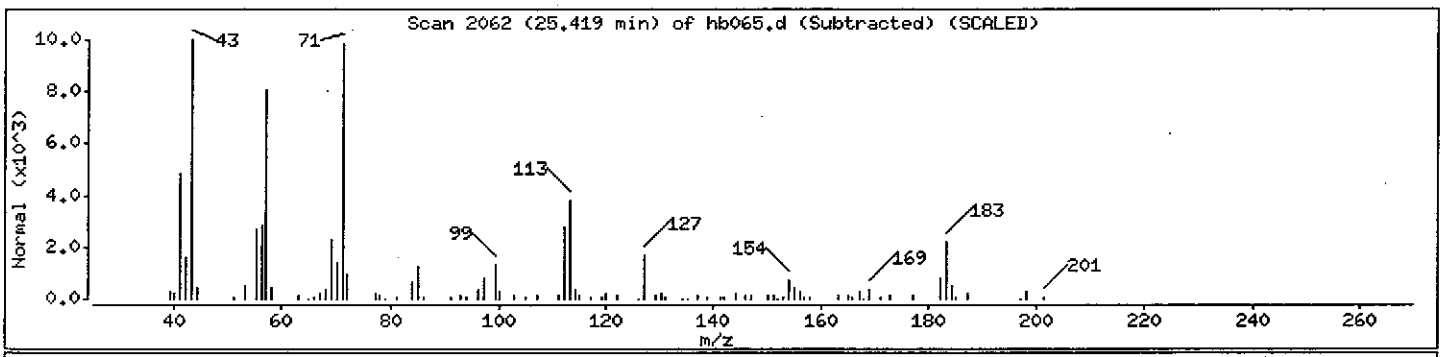
Volume Injected (uL): 2.0

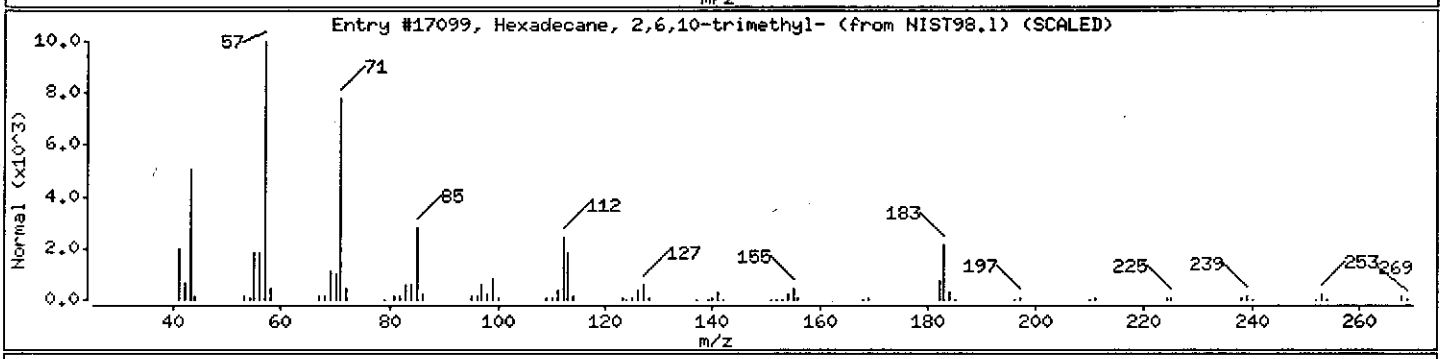
Operator: lmh00956

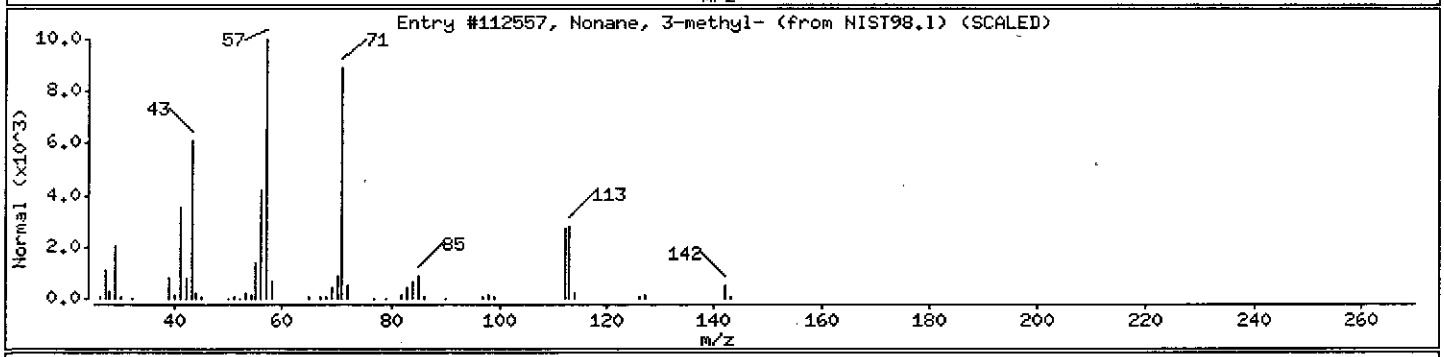
Column phase: J&W DB-5.625

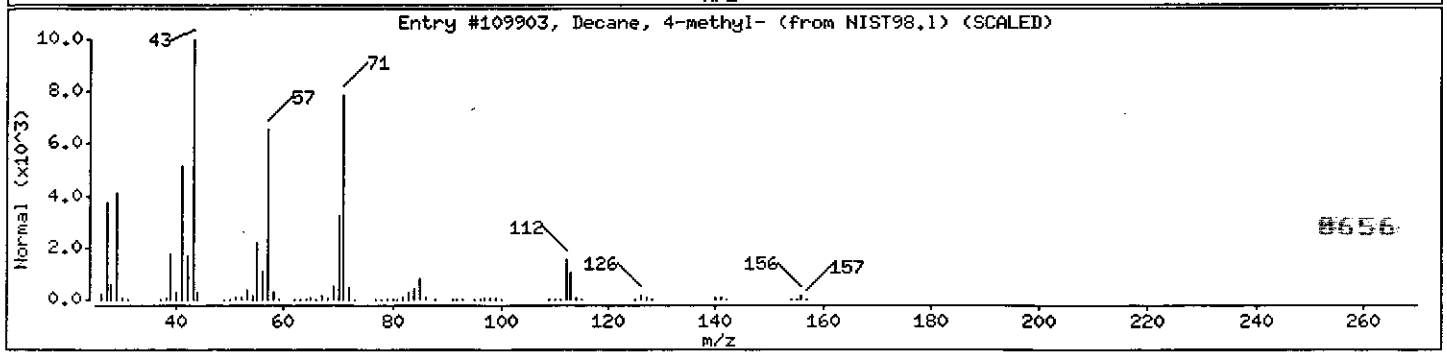
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10-trimethyl-	55000-52-7	NIST98.1	17099	72	C19H40	268
Nonane, 3-methyl-	5911-04-6	NIST98.1	112557	59	C10H22	142
Decane, 4-methyl-	2847-72-5	NIST98.1	109903	58	C11H24	156









0656

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

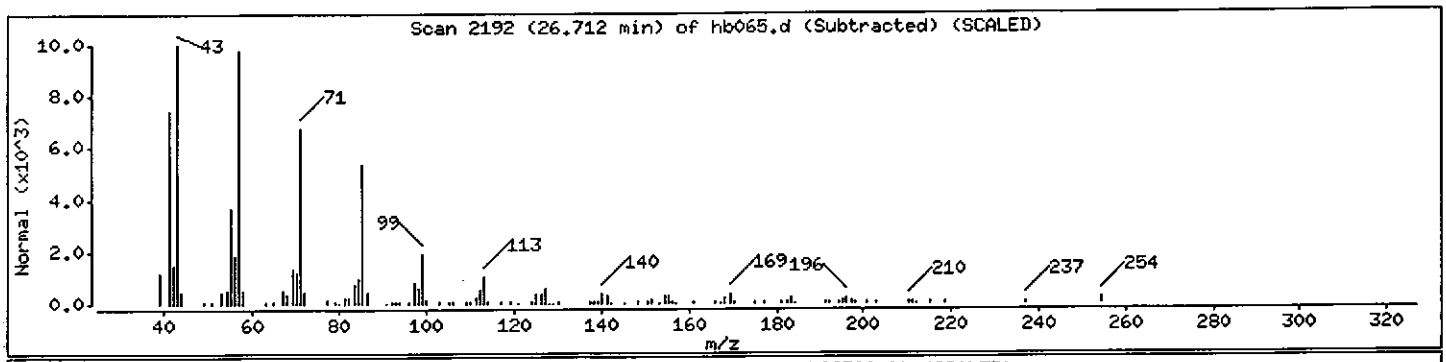
Volume Injected (uL): 2.0

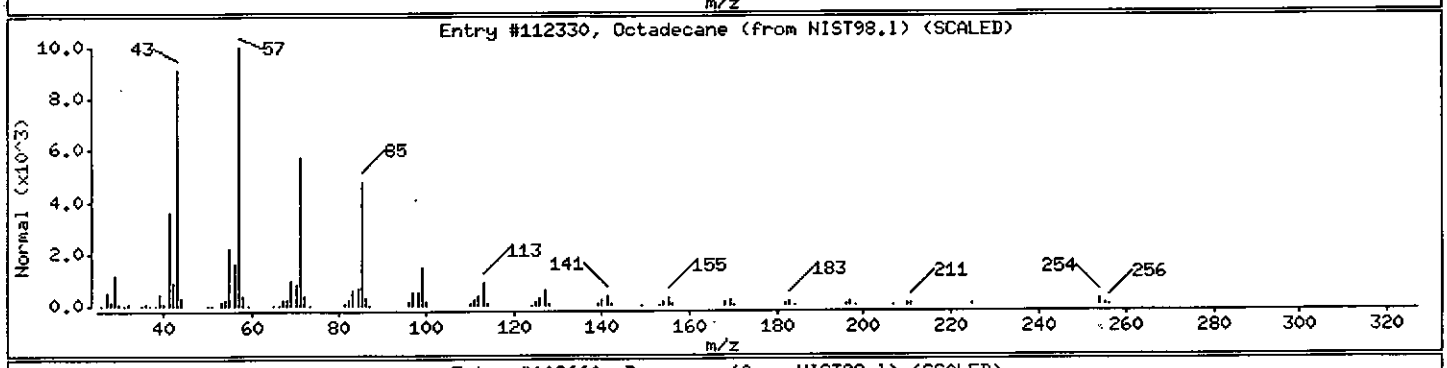
Operator: lmh00956

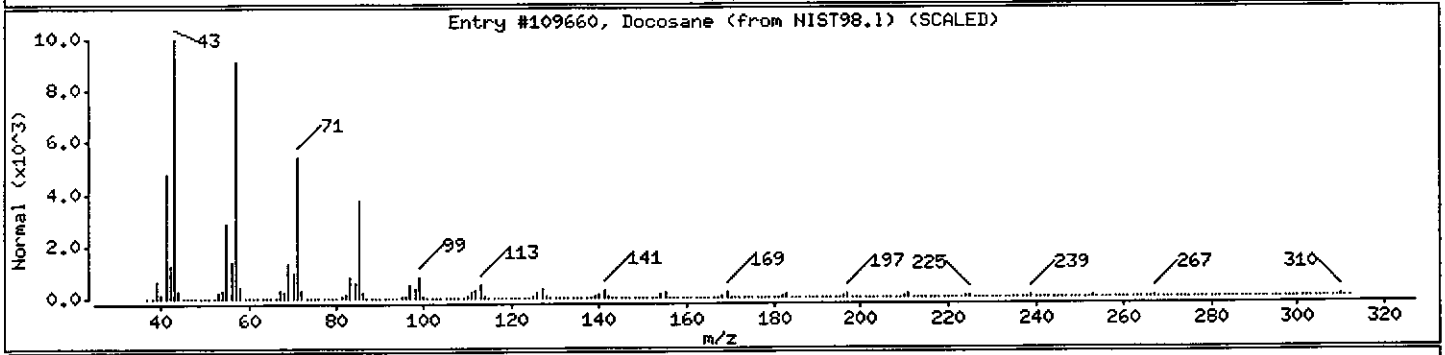
Column phase: J&W DB-5.625

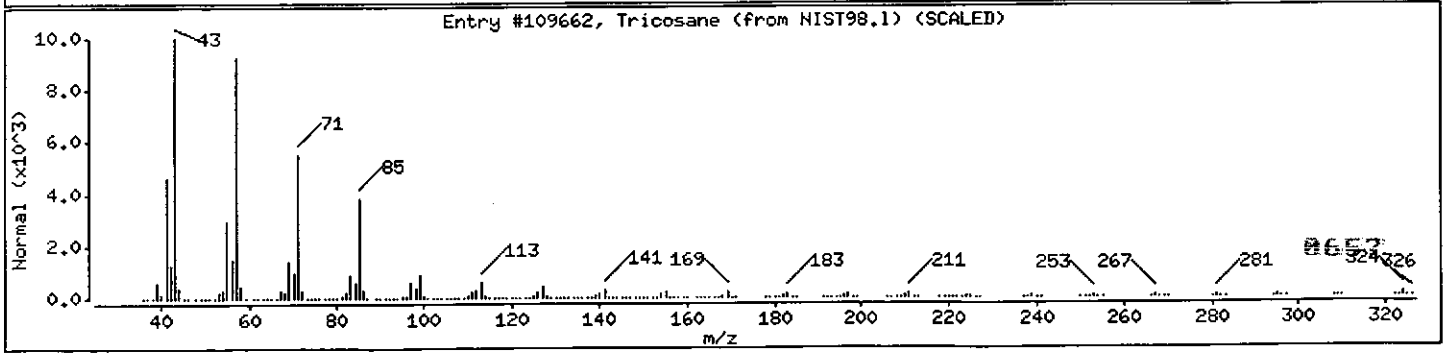
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST98.1	112330	95	C18H38	254
Docosane	629-97-0	NIST98.1	109660	90	C22H46	310
Tricosane	638-67-5	NIST98.1	109662	90	C23H48	324









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

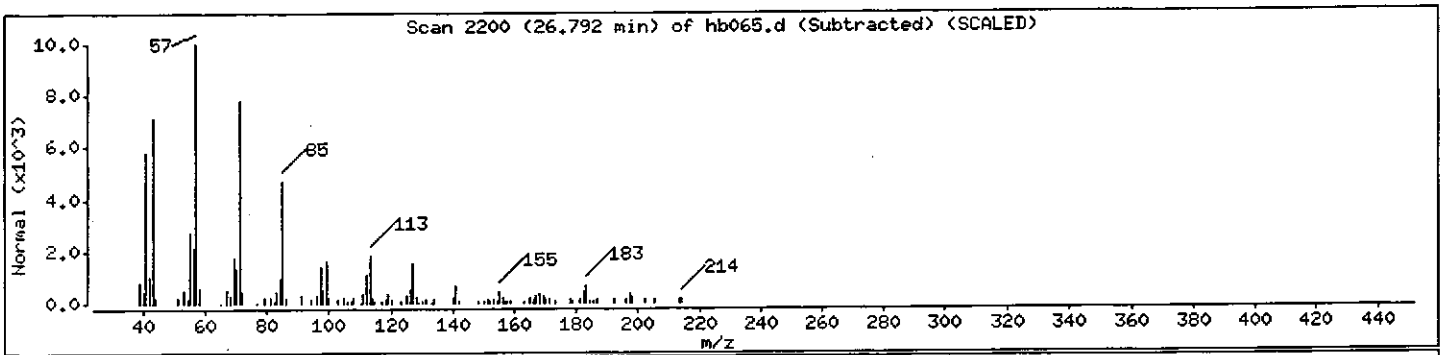
Volume Injected (uL): 2.0

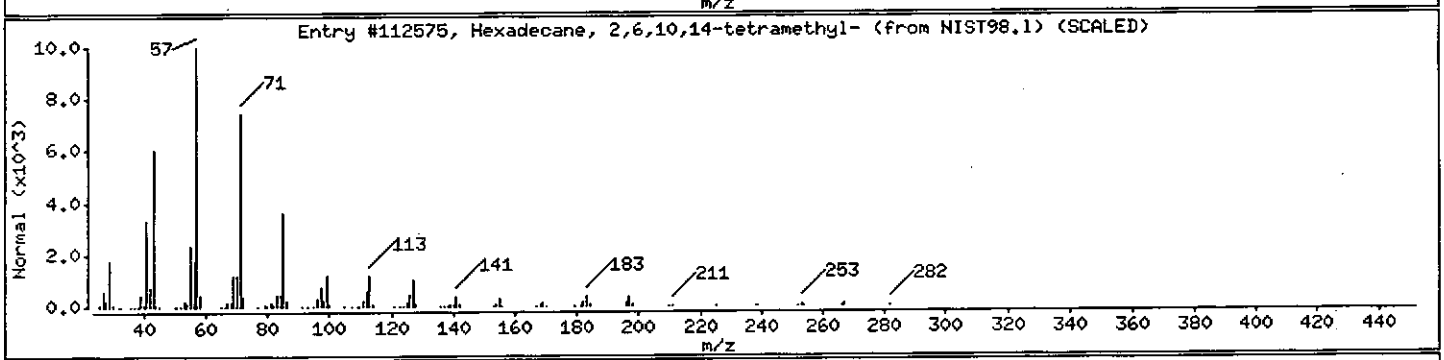
Operator: lmh00956

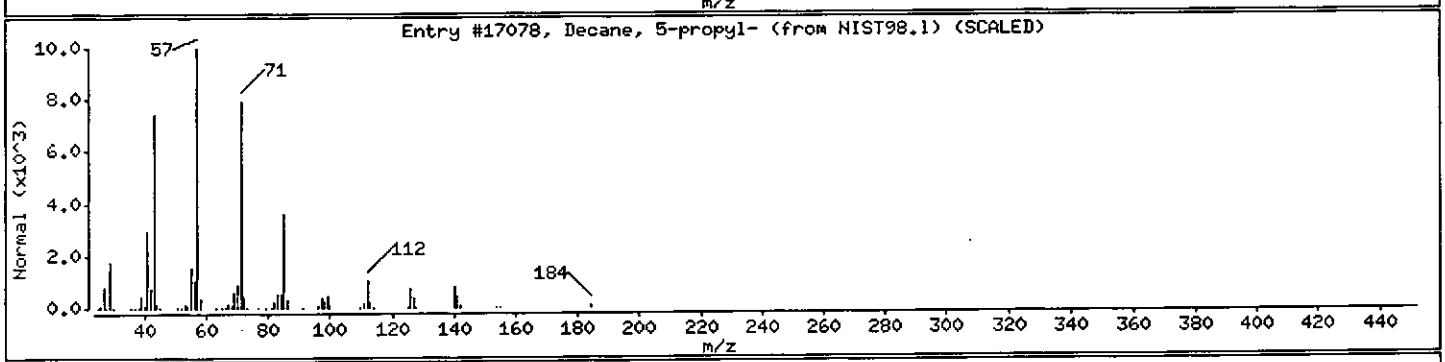
Column phase: J&W DB-5.625

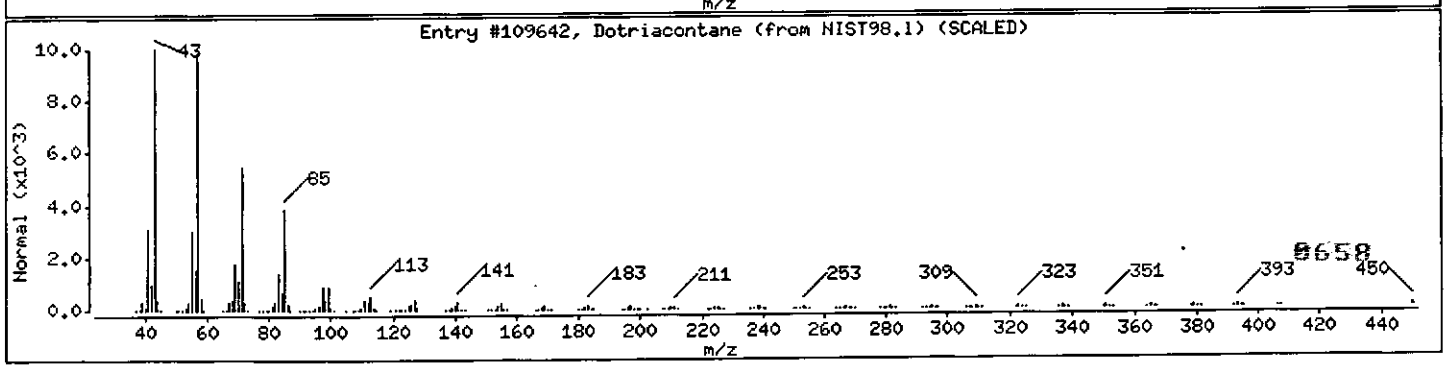
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	112575	91	C20H42	282
Decane, 5-propyl-	17312-62-8	NIST98.1	17078	87	C13H28	184
Dotriacontane	544-85-4	NIST98.1	109642	87	C32H66	451









8658

Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

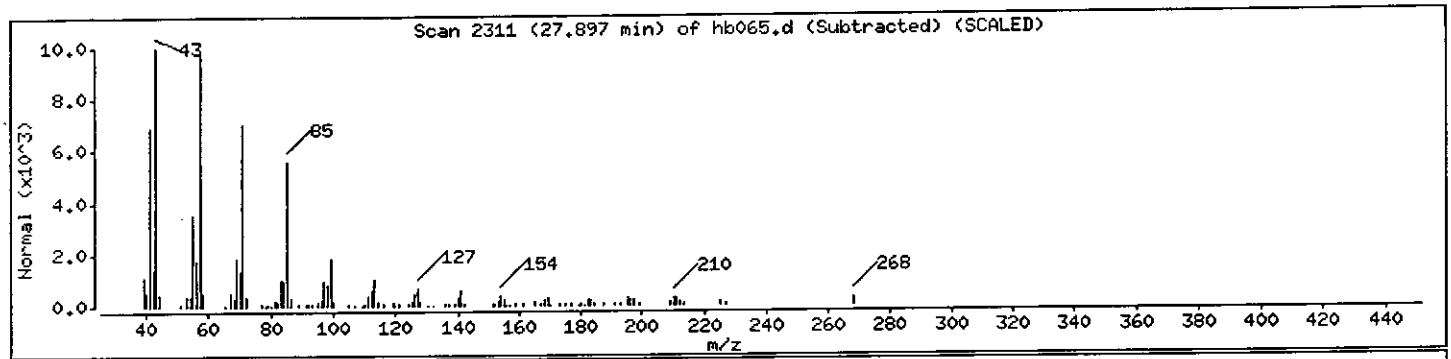
Volume Injected (uL): 2.0

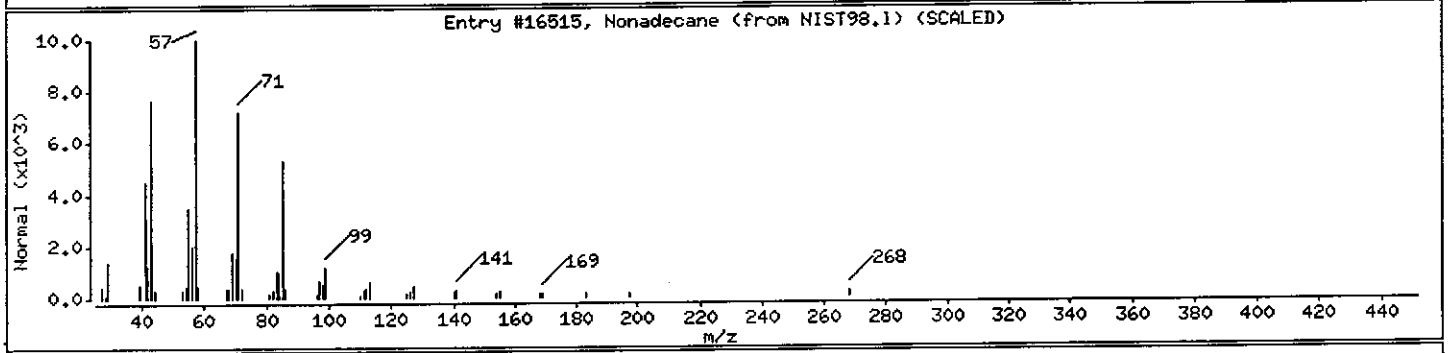
Operator: lmh00956

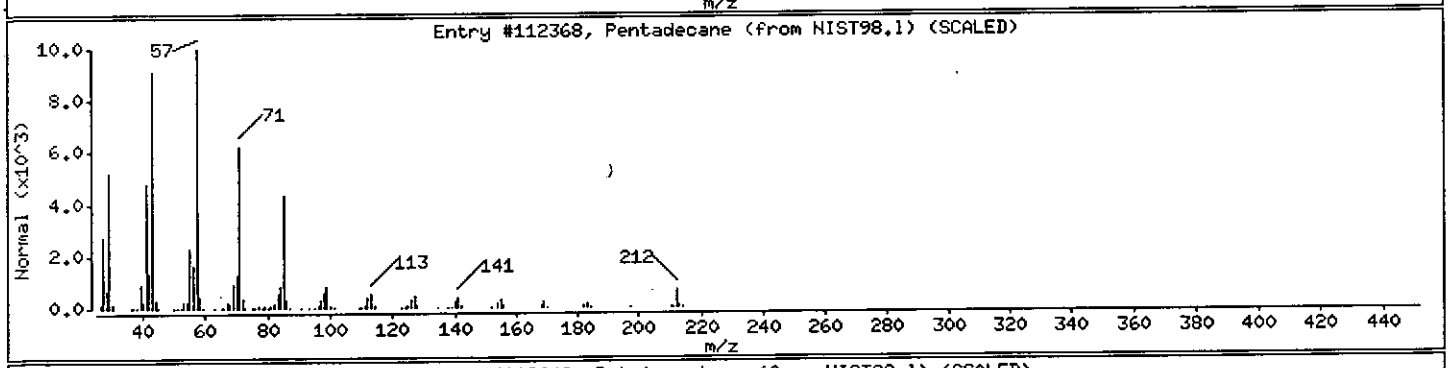
Column phase: J&W DB-5.625

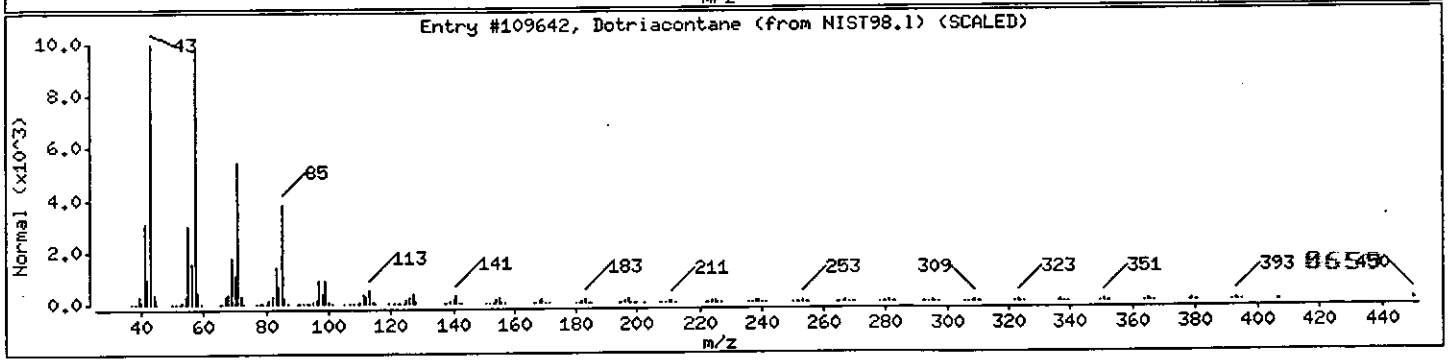
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	16515	98	C19H40	268
Pentadecane	629-62-9	NIST98.1	112368	94	C15H32	212
Dotriacontane	544-85-4	NIST98.1	109642	91	C32H66	451









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

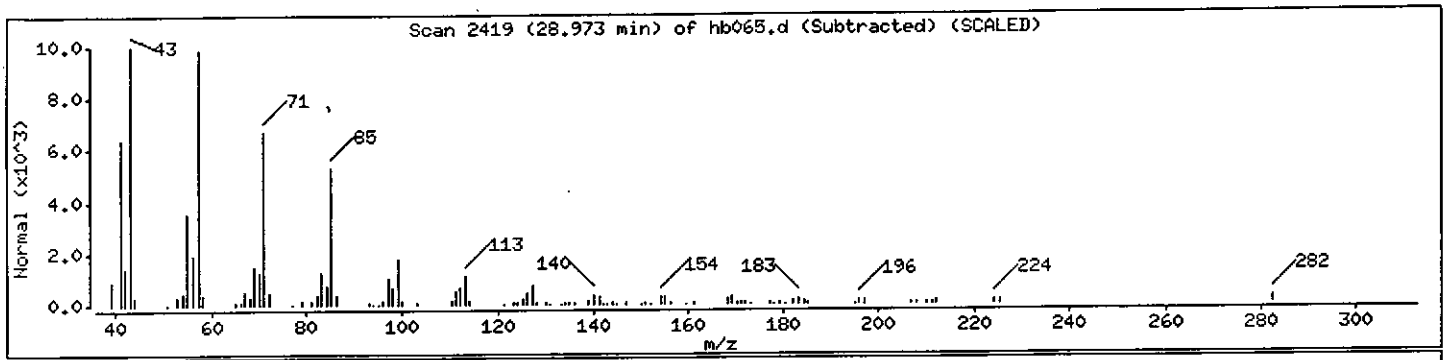
Volume Injected (uL): 2.0

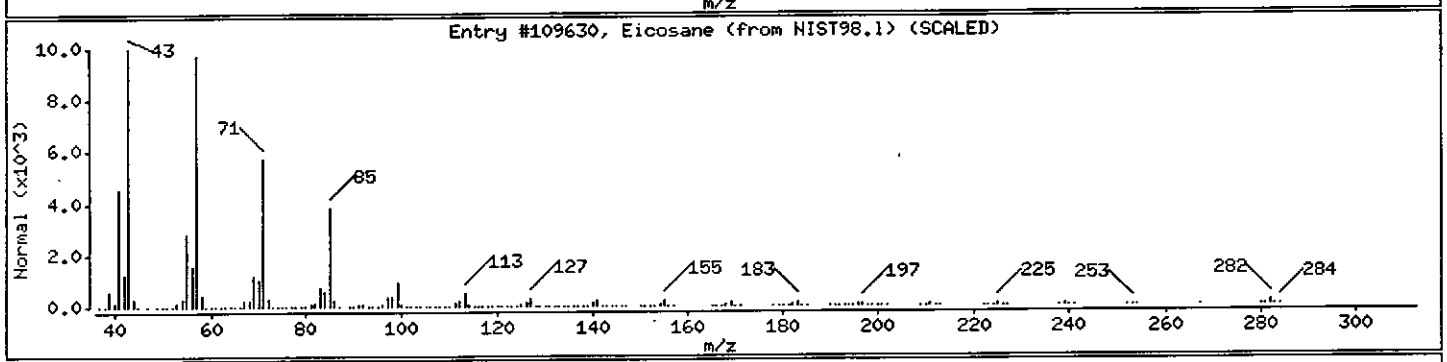
Operator: lmh00956

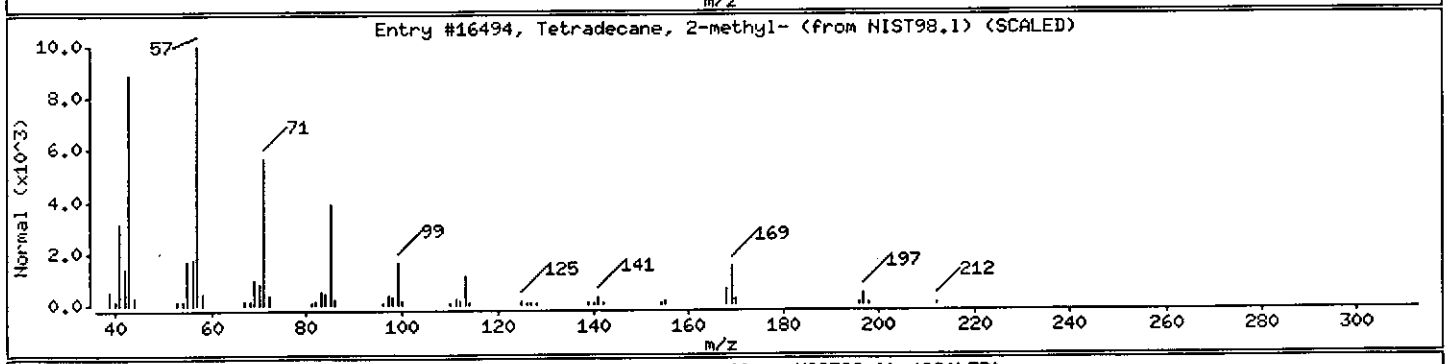
Column phase: J&W DB-5.625

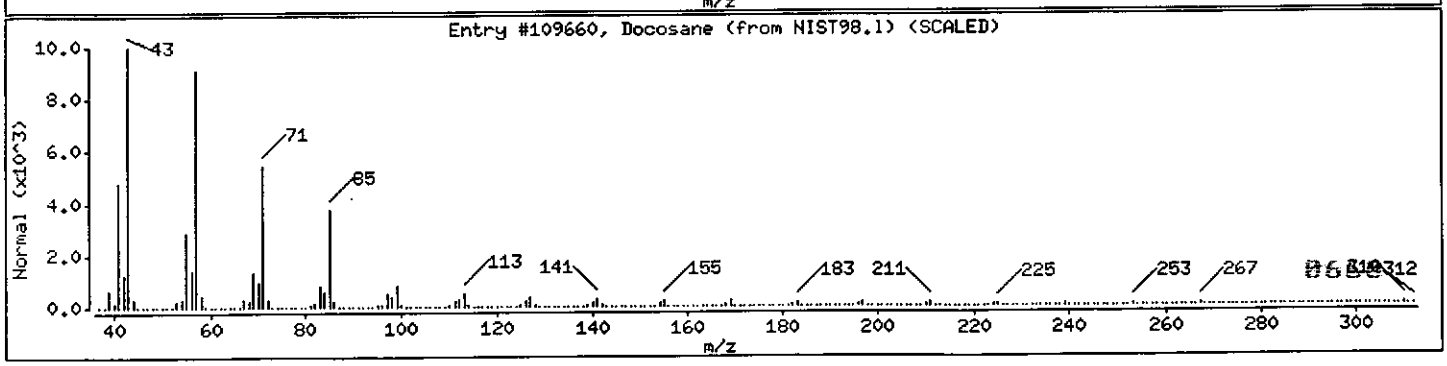
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	109630	97	C20H42	282
Tetradecane, 2-methyl-	1560-95-8	NIST98.1	16494	93	C15H32	212
Docosane	629-97-0	NIST98.1	109660	90	C22H46	310









Data File: /chem/HP04629.i/06feb06a.b/hb065.d

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

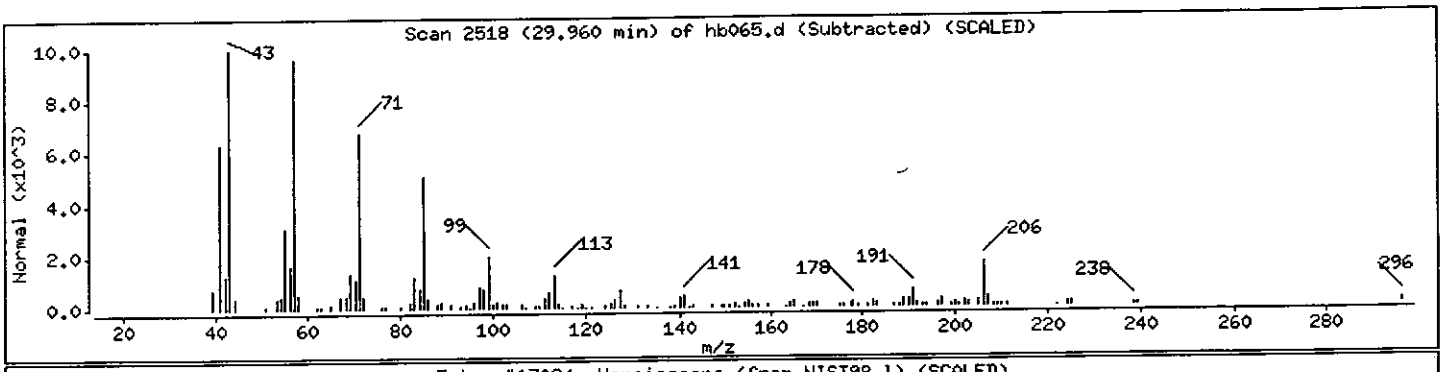
Volume Injected (uL): 2.0

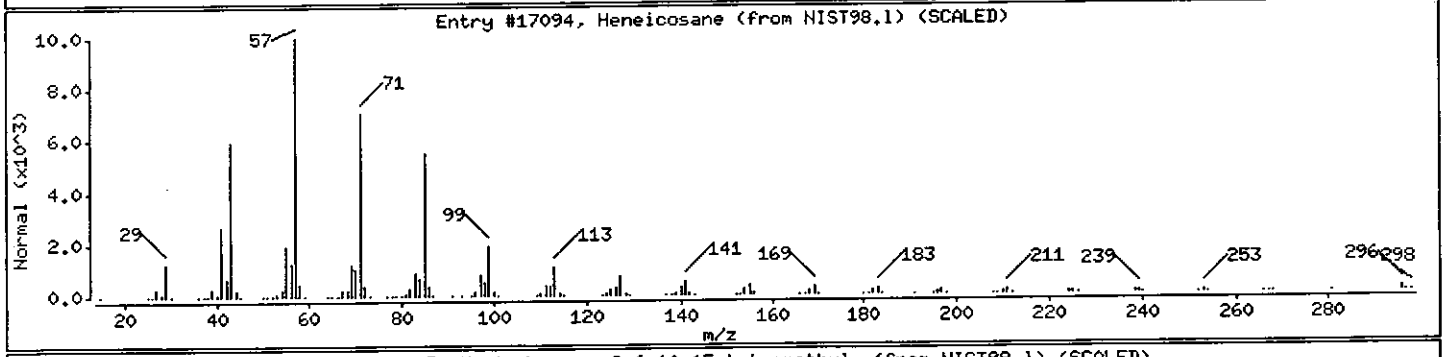
Operator: lmh00956

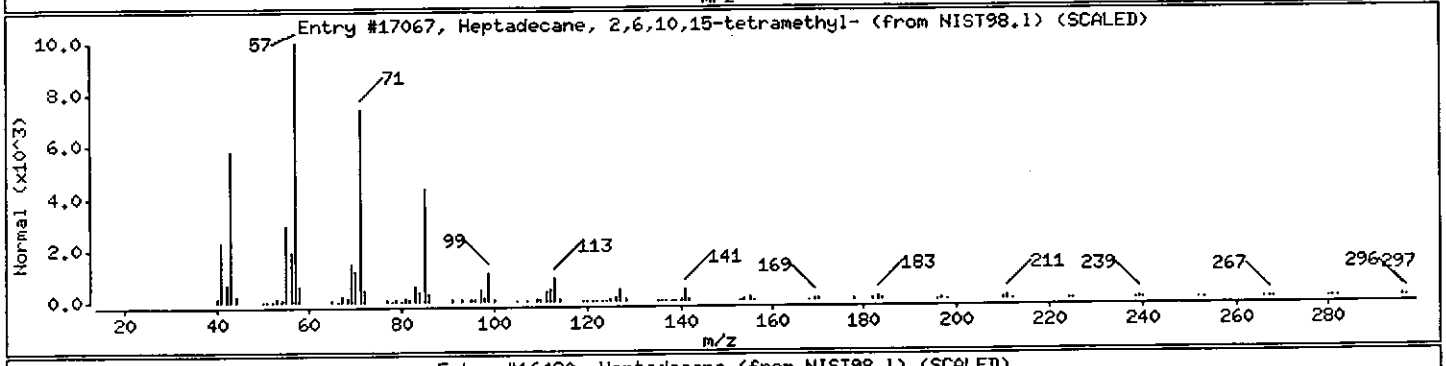
Column phase: J&W DB-5.625

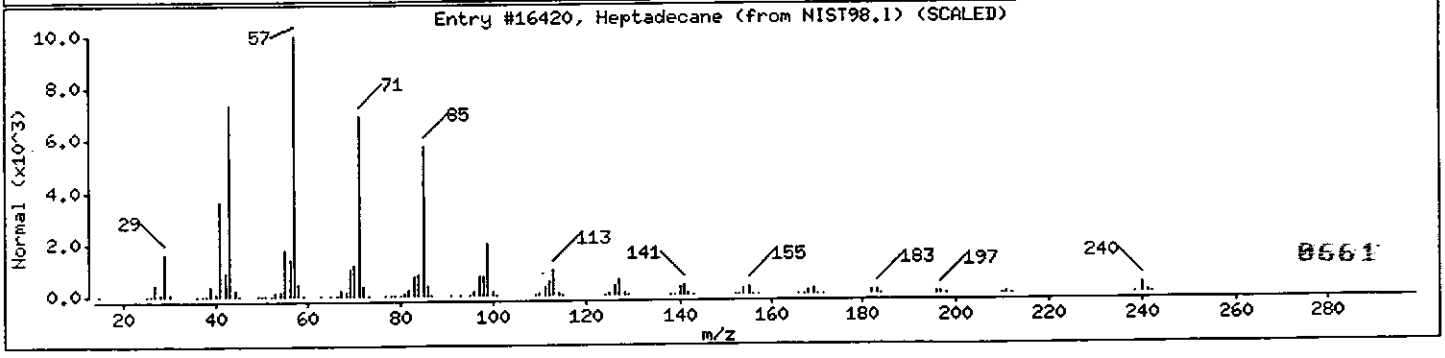
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	99	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	93	C21H44	296
Heptadecane	629-78-7	NIST98.1	16420	87	C17H36	240









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