Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

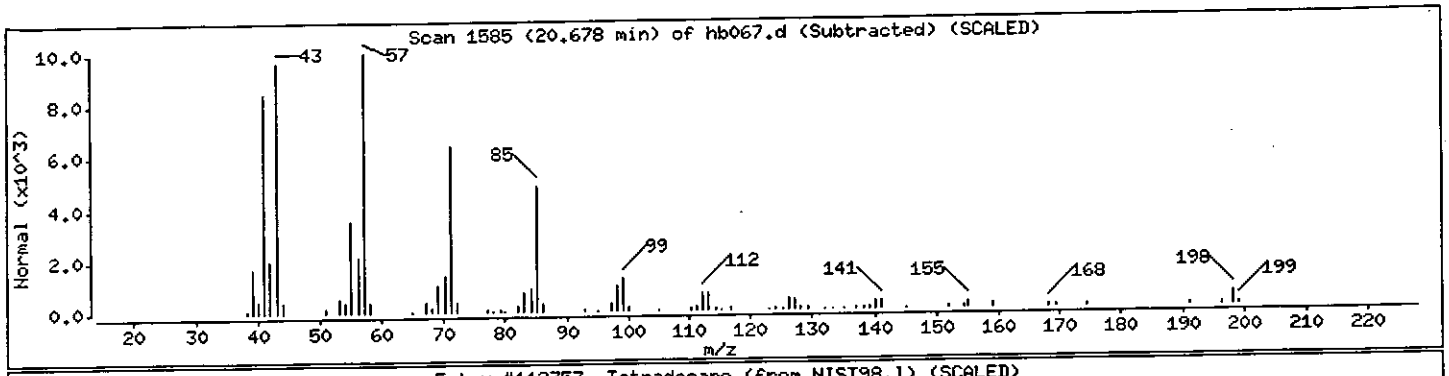
Volume Injected (uL): 2.0

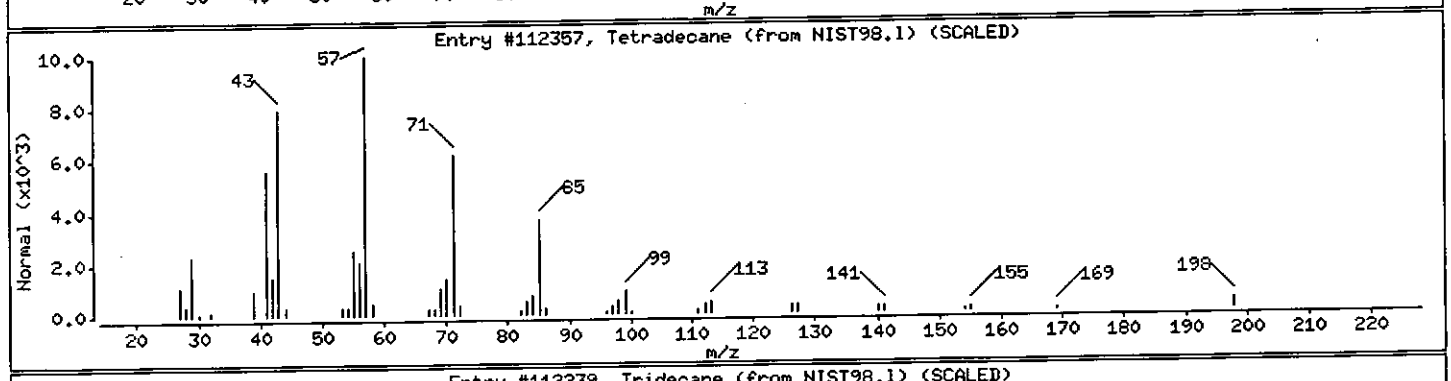
Operator: lmh00956

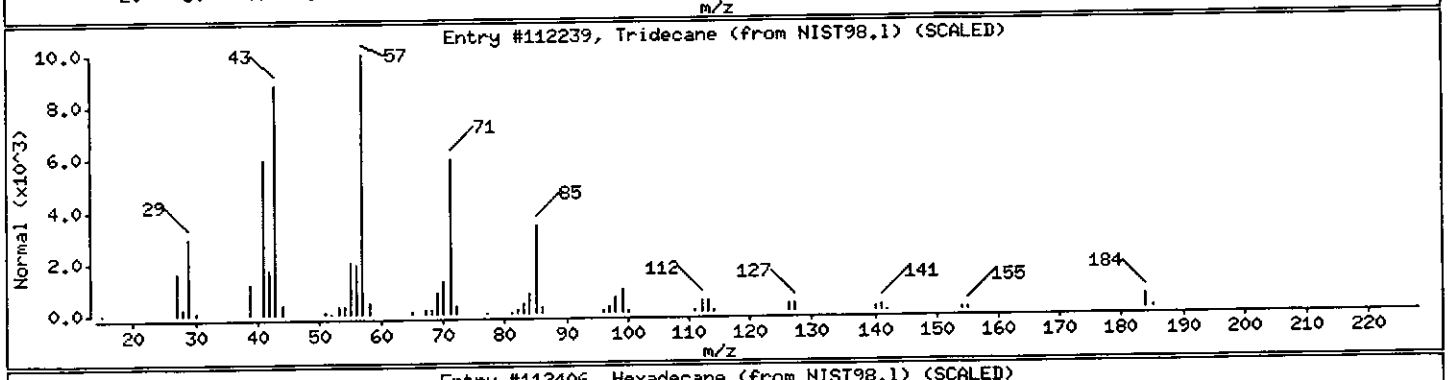
Column phase: J&W DB-5.625

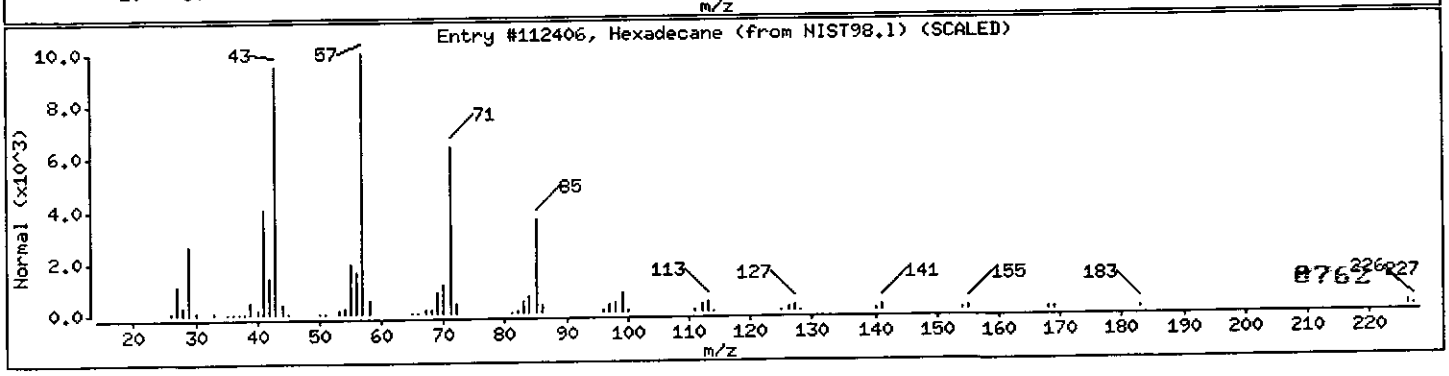
Column diameter: 0.25

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
Hexadecane	544-76-3	NIST98.1	112406	86	C16H34	226









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

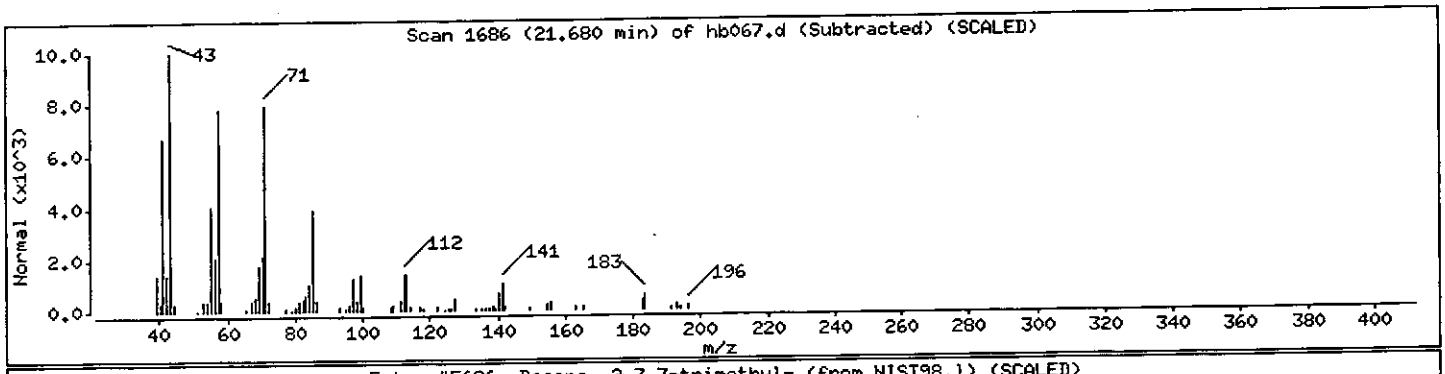
Volume Injected (uL): 2.0

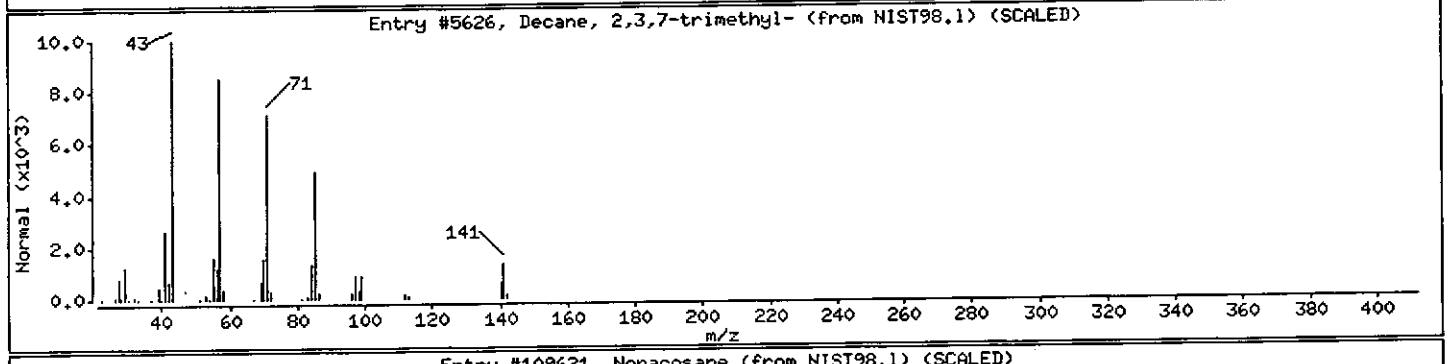
Operator: lmh00956

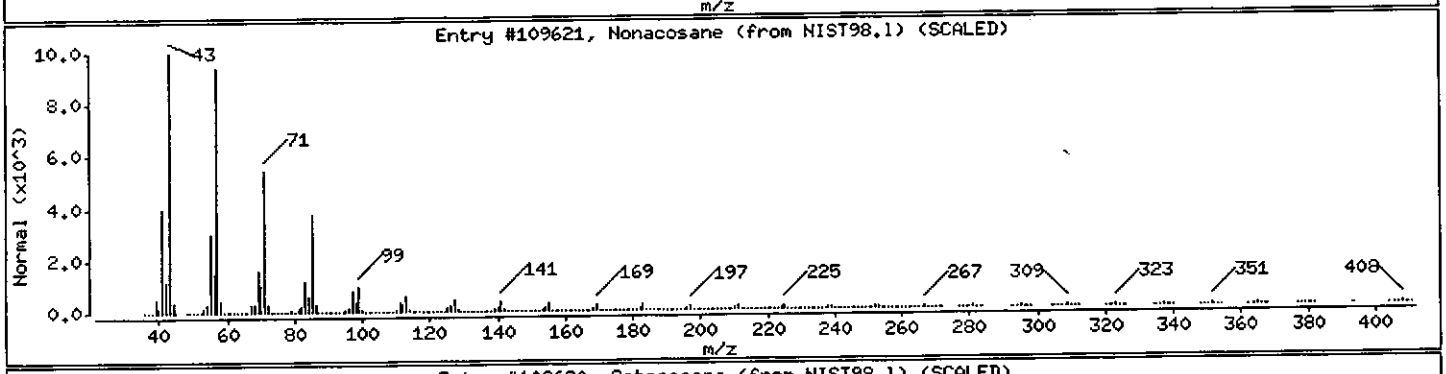
Column phase: J&W DB-5.625

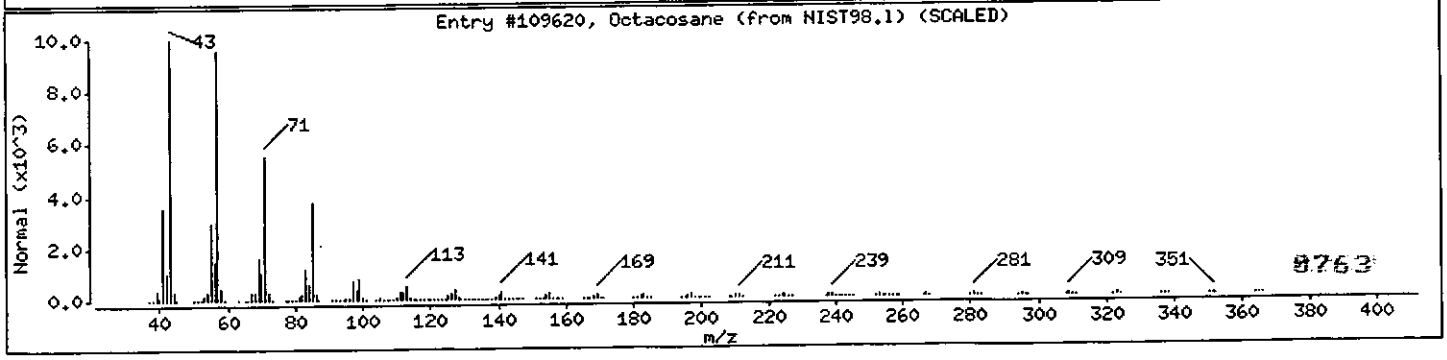
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Decane, 2,3,7-trimethyl-	62238-13-5	NIST98.1	5626	80	C13H28	184
Nonacosane	630-03-5	NIST98.1	109621	64	C29H60	408
Octacosane	630-02-4	NIST98.1	109620	64	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

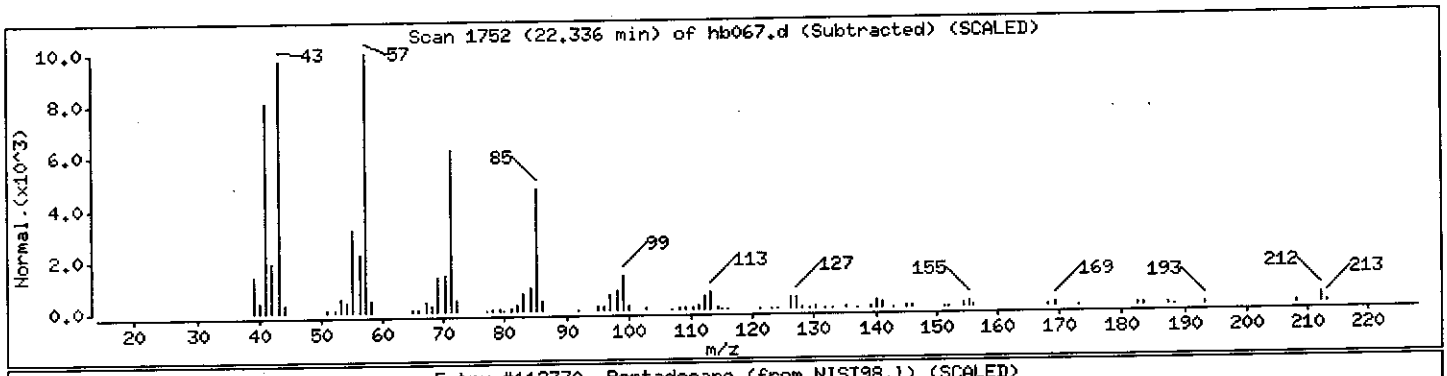
Volume Injected (uL): 2.0

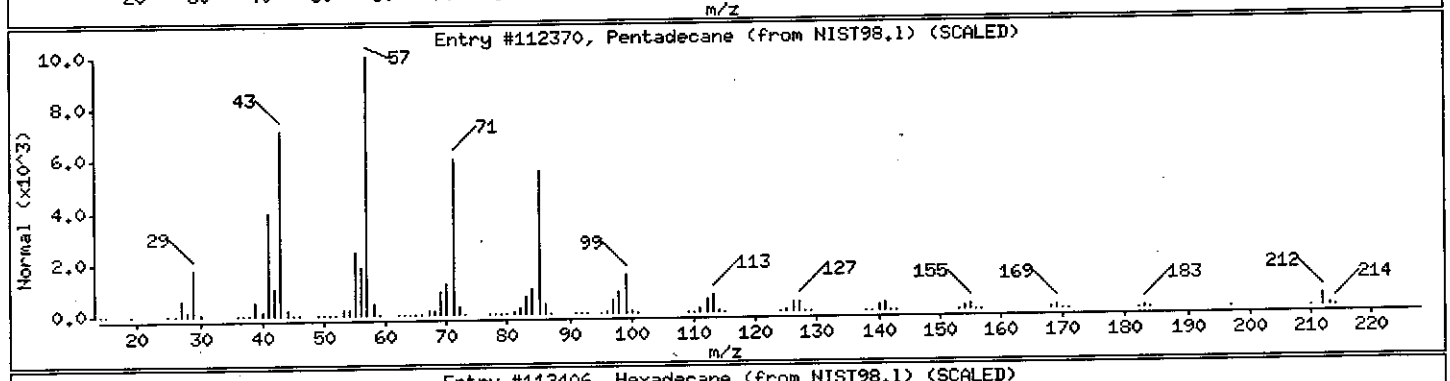
Operator: lmh00956

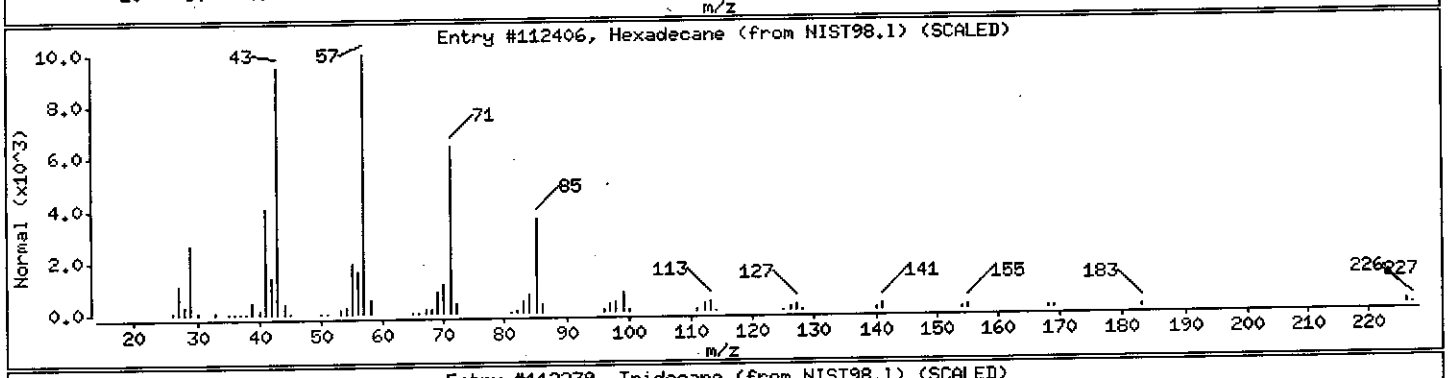
Column phase: J&W DB-5.625

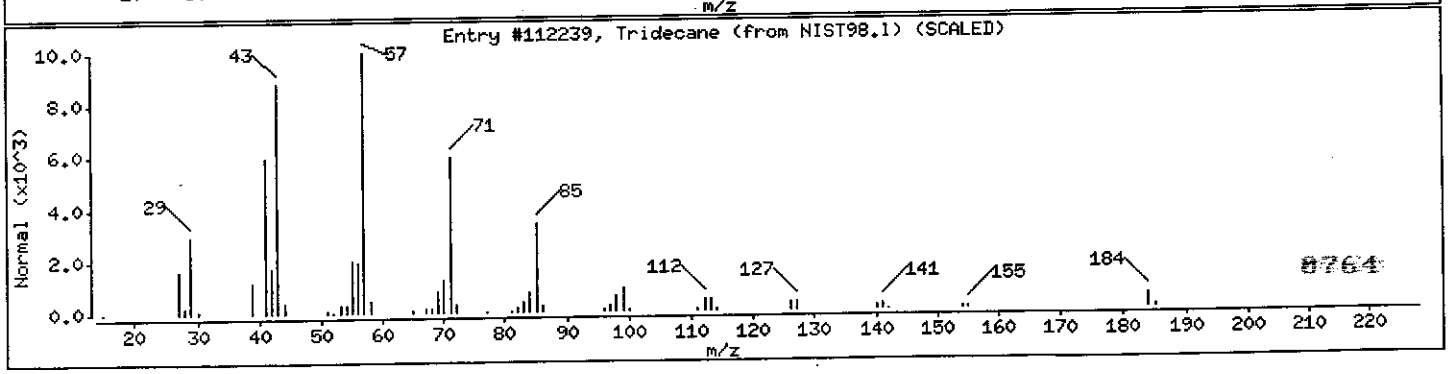
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	98	C15H32	212
Hexadecane	544-76-3	NIST98.1	112406	91	C16H34	226
Tridecane	629-50-5	NIST98.1	112239	91	C13H28	184









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Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

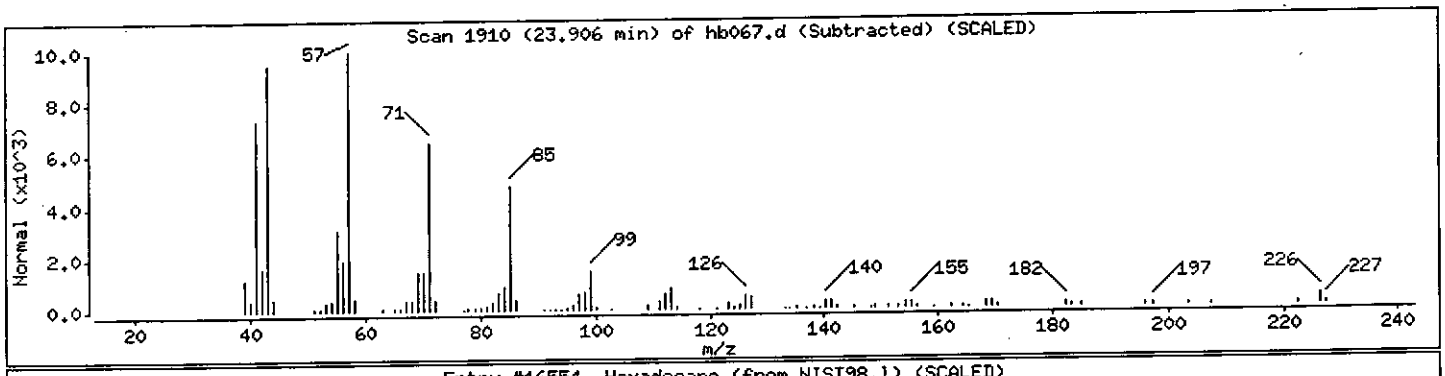
Volume Injected (uL): 2.0

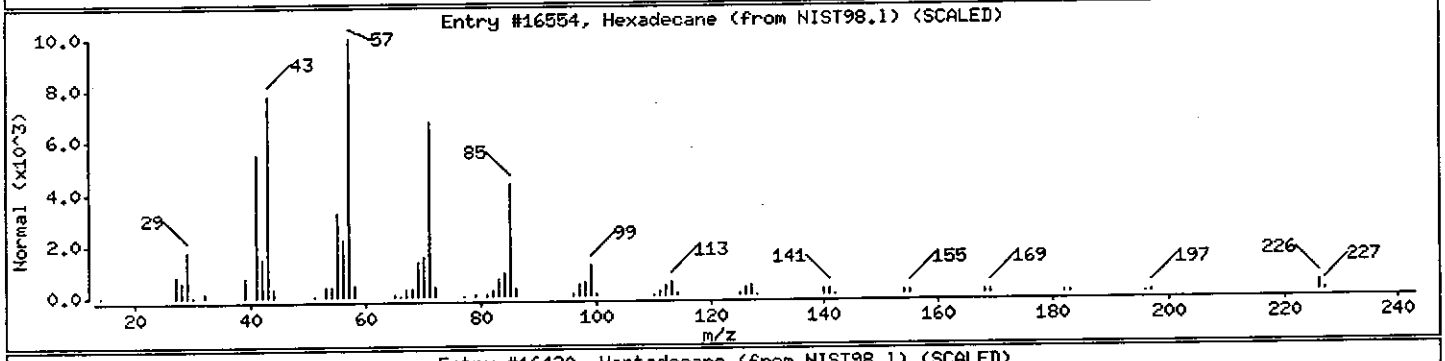
Operator: lmh00956

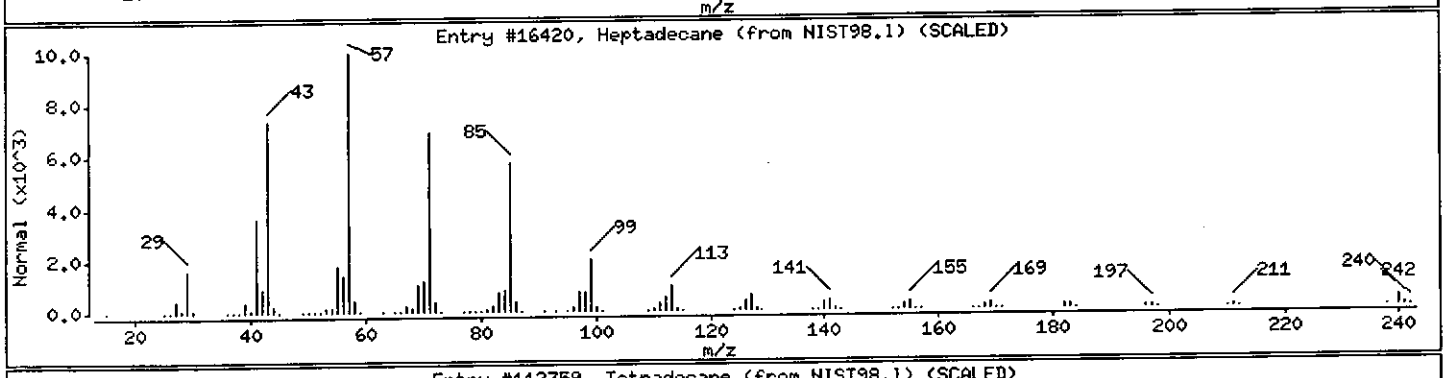
Column phase: J&W DB-5.625

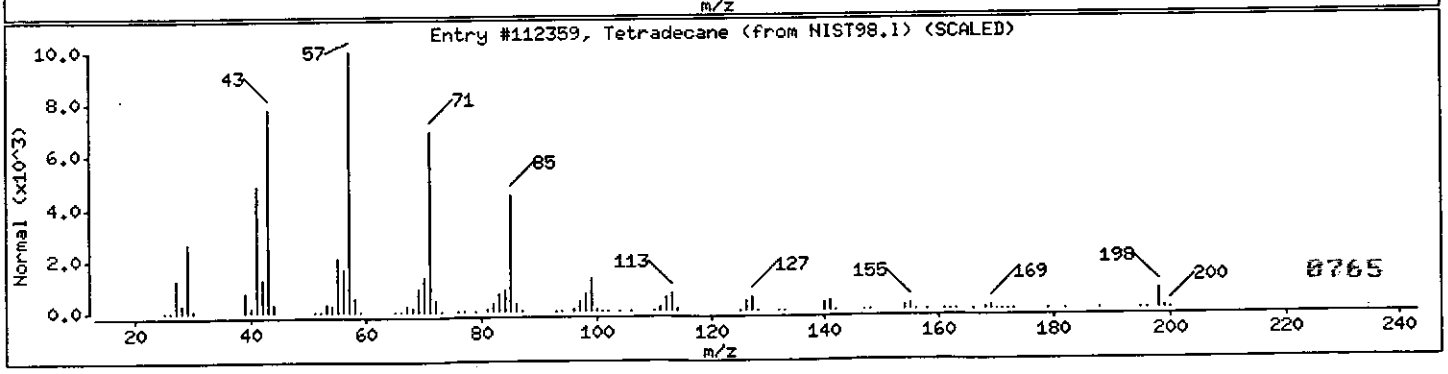
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	16554	98	C16H34	226
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240
Tetradecane	629-59-4	NIST98.1	112359	91	C14H30	198









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Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

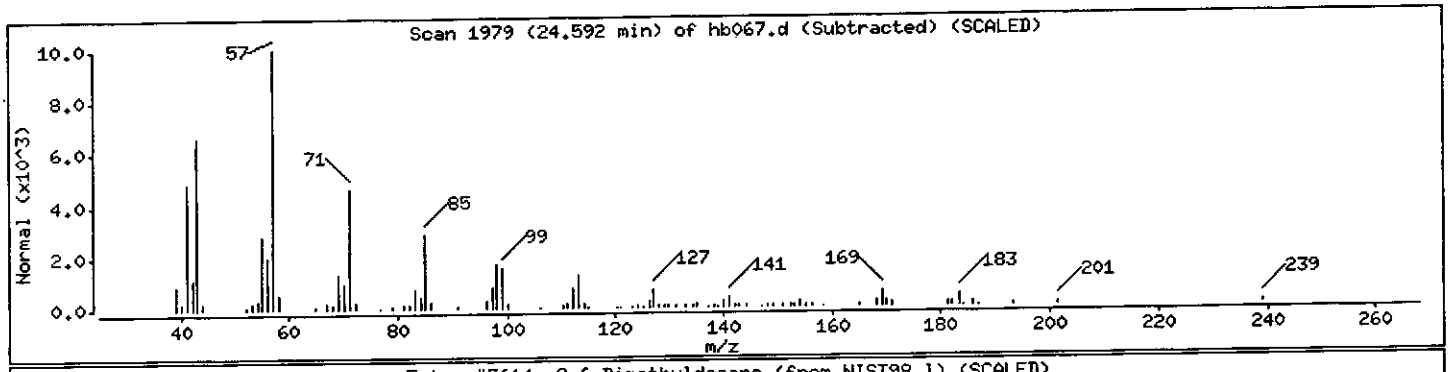
Volume Injected (uL): 2.0

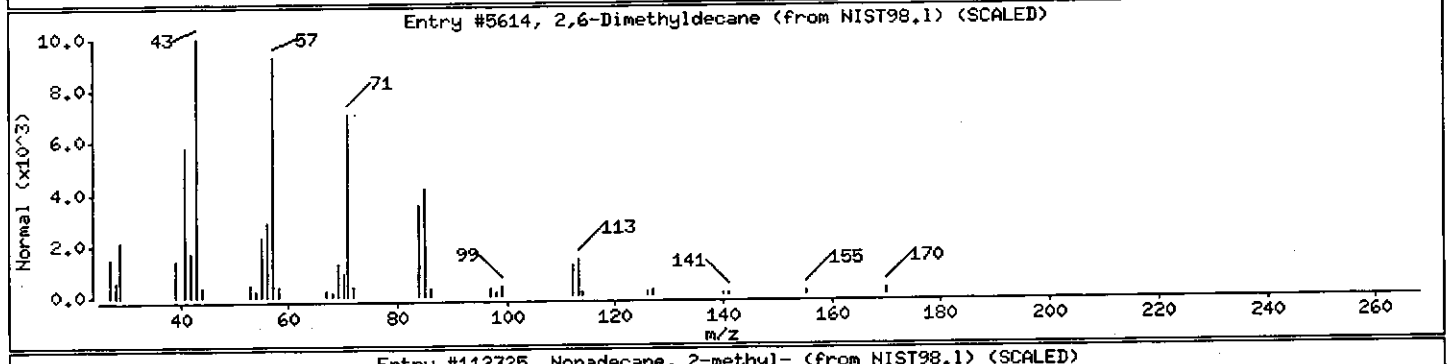
Operator: lmh00956

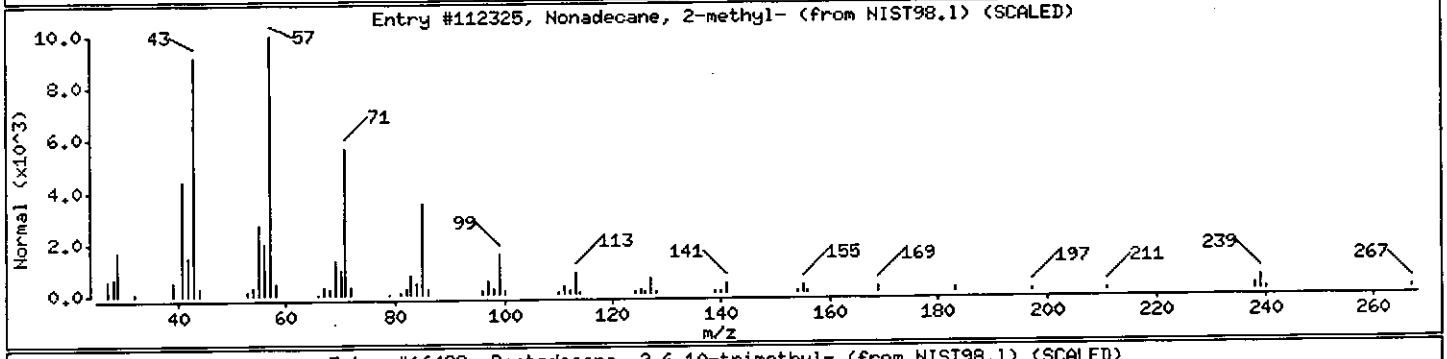
Column phase: J&W DB-5.625

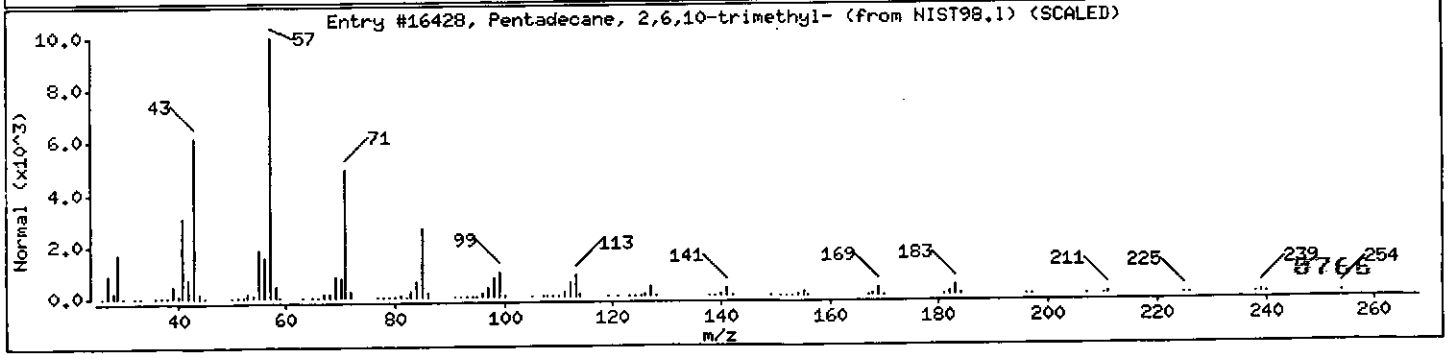
Column diameter: 0.25

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
Nonadecane, 2-methyl-	1560-86-7	NIST98.1	112325	83	C20H42	282
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST98.1	16428	80	C18H38	254









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Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

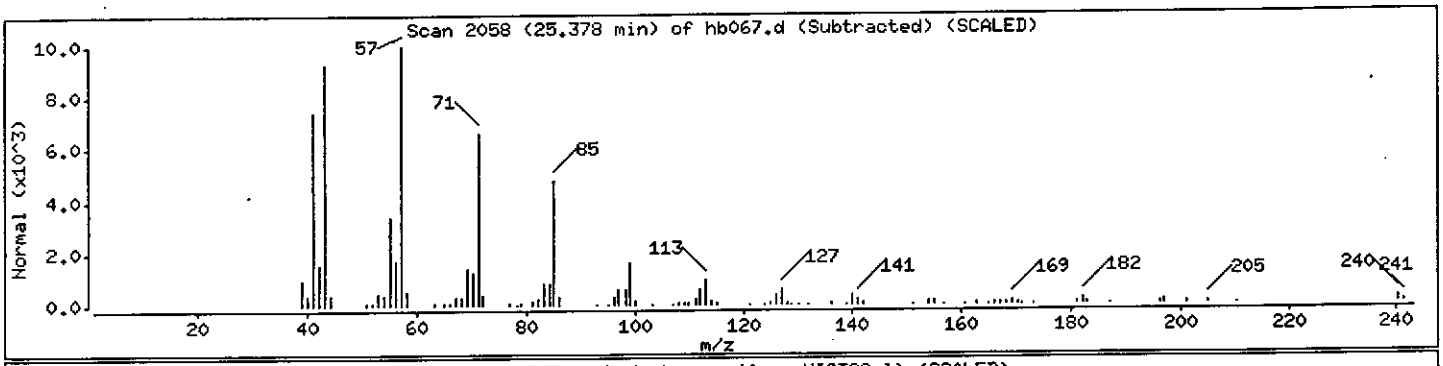
Volume Injected (uL): 2.0

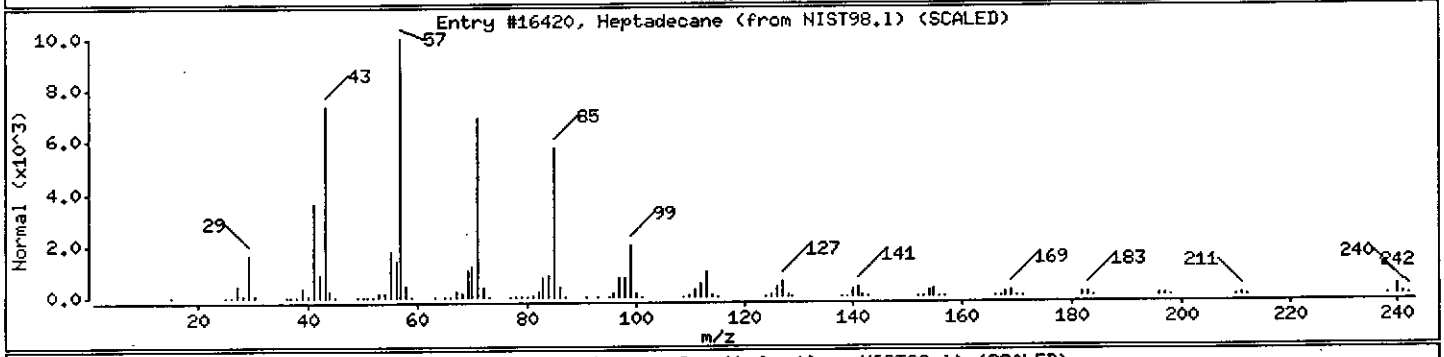
Operator: lmh00956

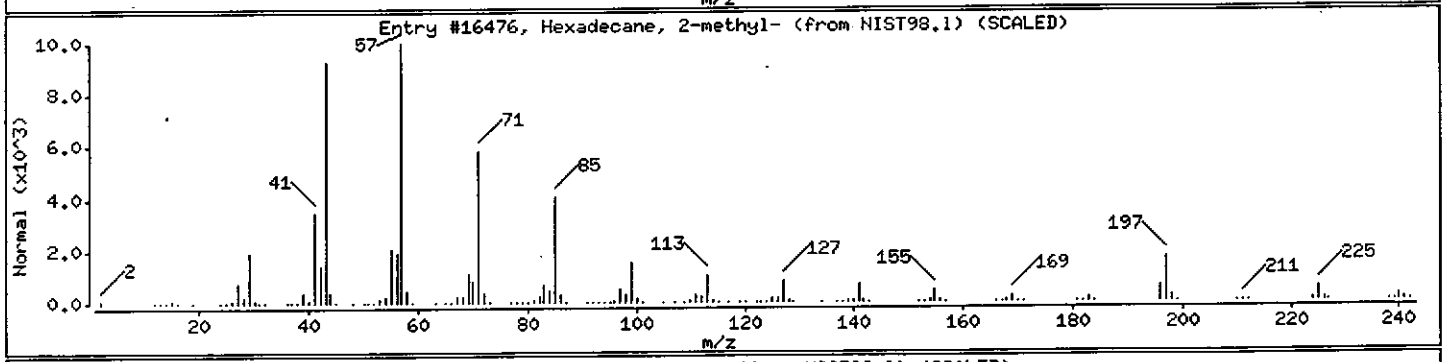
Column phase: J&W DB-5.625

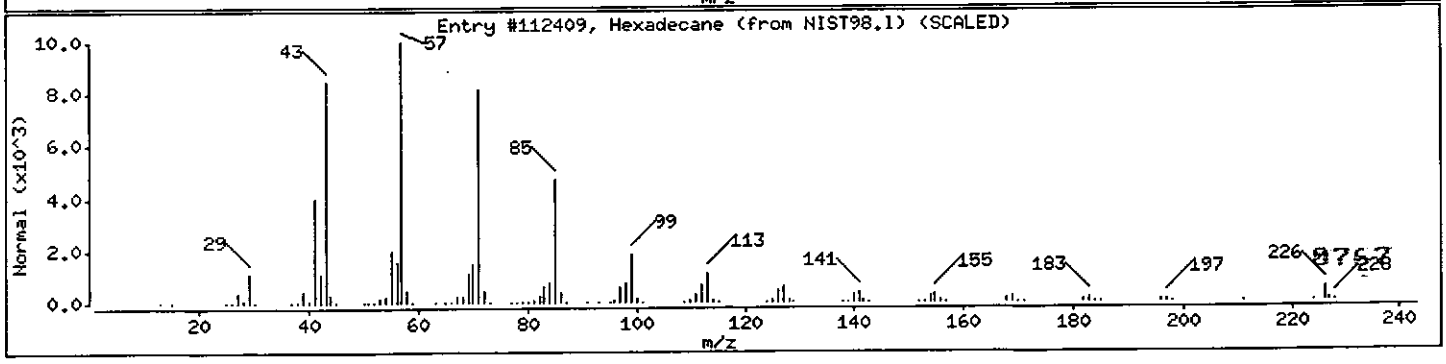
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	98	C17H36	240
Hexadecane, 2-methyl-	1560-92-5	NIST98.1	16476	91	C17H36	240
Hexadecane	544-76-3	NIST98.1	112409	90	C16H34	226









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

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Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

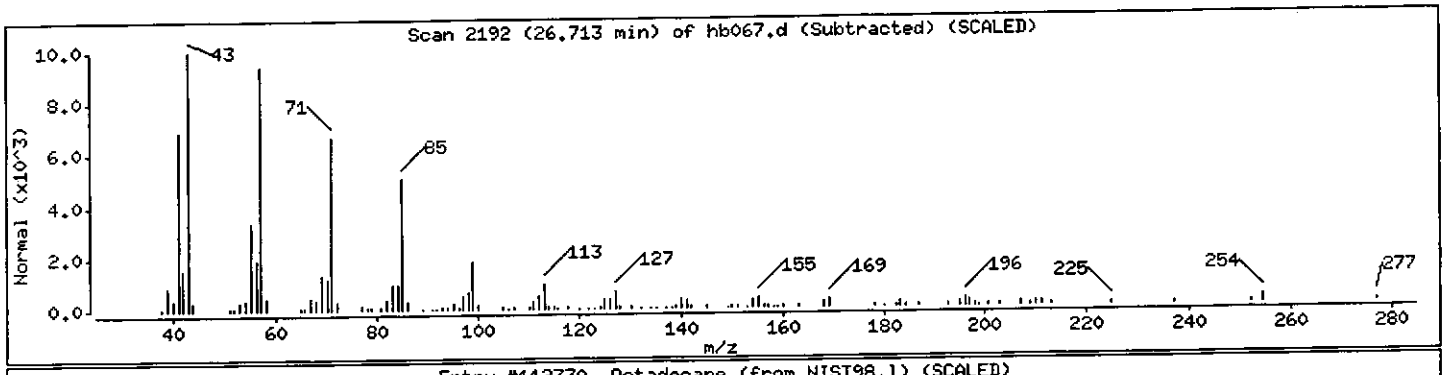
Volume Injected (uL): 2.0

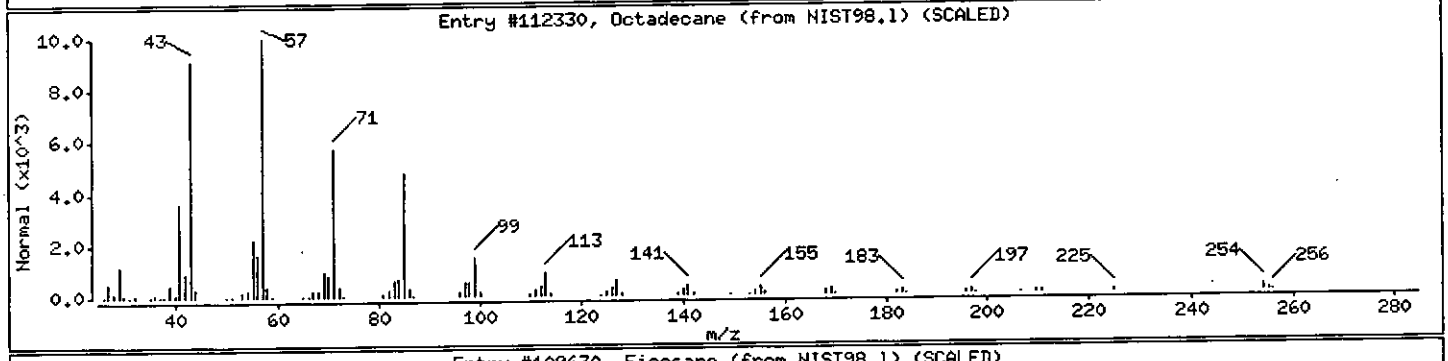
Operator: lmh00956

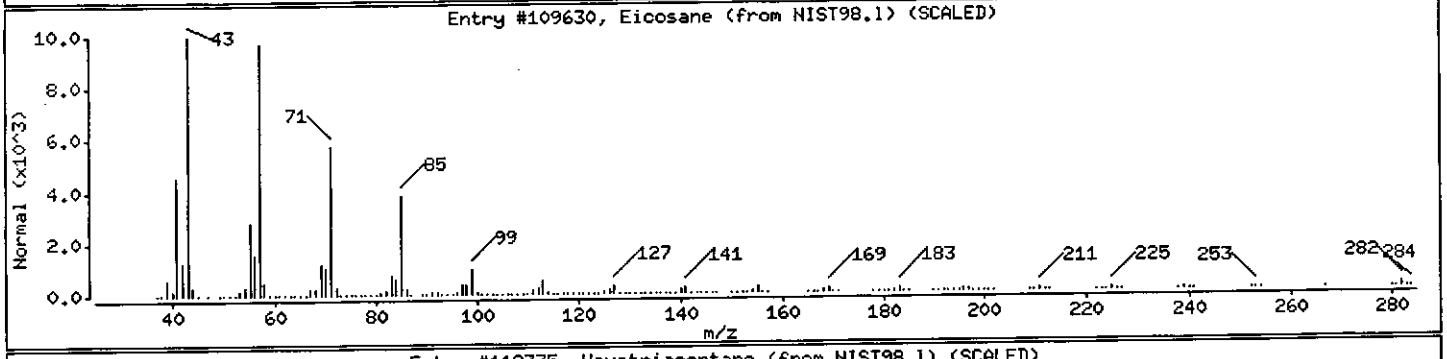
Column phase: J&W DB-5.625

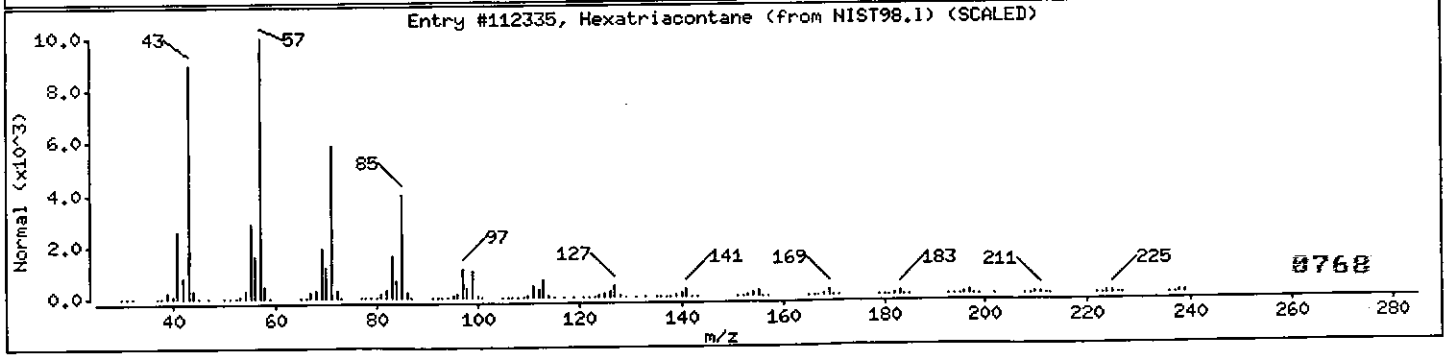
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST98.1	112330	98	C18H38	254
Eicosane	112-95-8	NIST98.1	109630	91	C20H42	282
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507









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Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

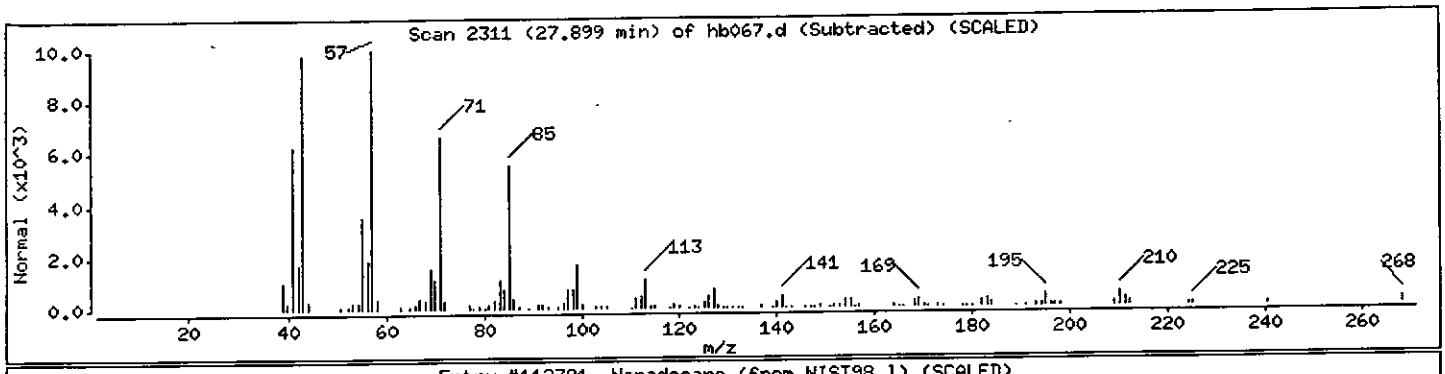
Volume Injected (uL): 2.0

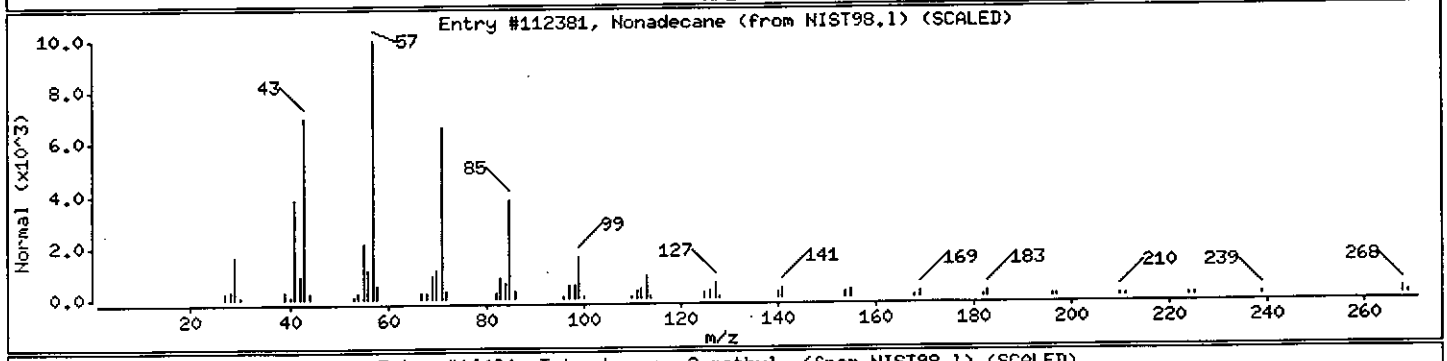
Operator: lmh00956

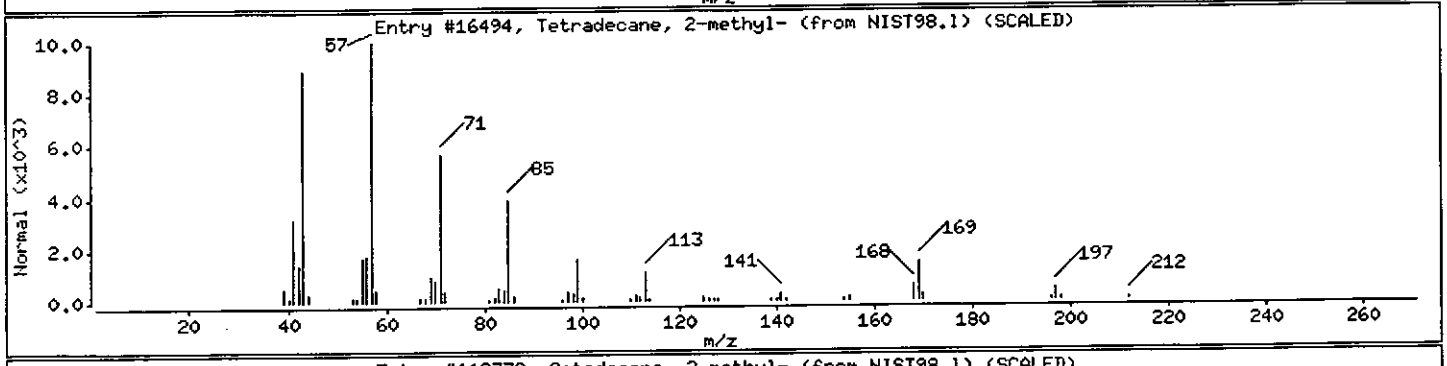
Column phase: J&W DB-5.625

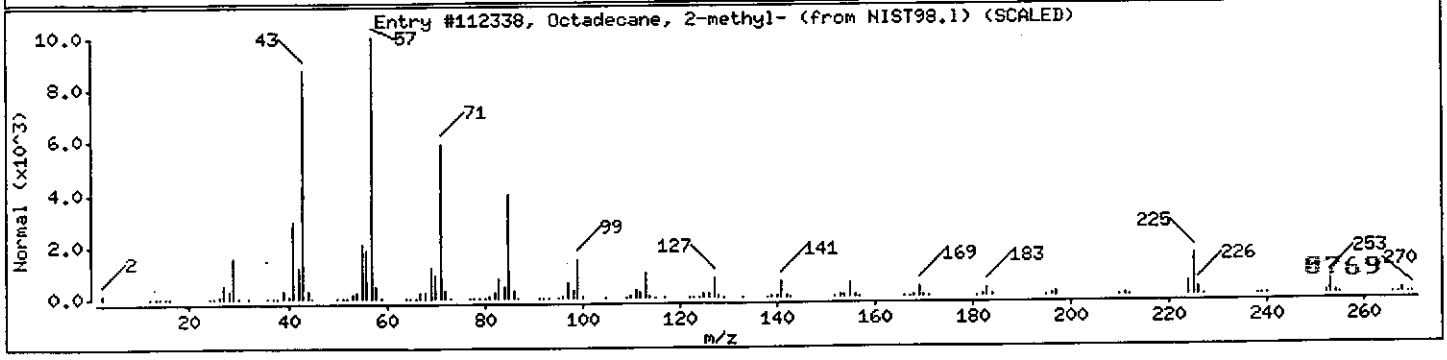
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	112381	98	C19H40	268
Tetradecane, 2-methyl-	1560-95-8	NIST98.1	16494	93	C15H32	212
Octadecane, 2-methyl-	1560-88-9	NIST98.1	112338	93	C19H40	268









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

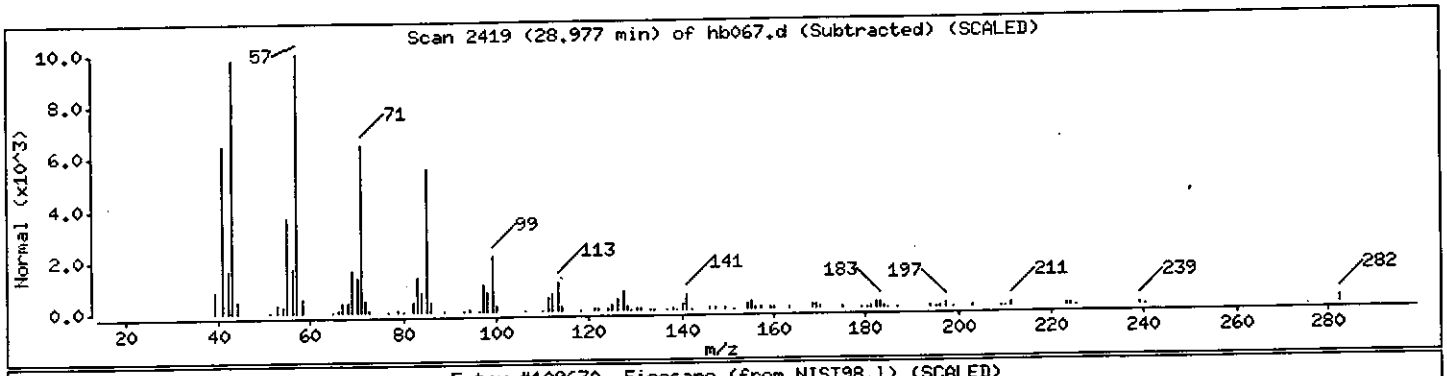
Volume Injected (uL): 2.0

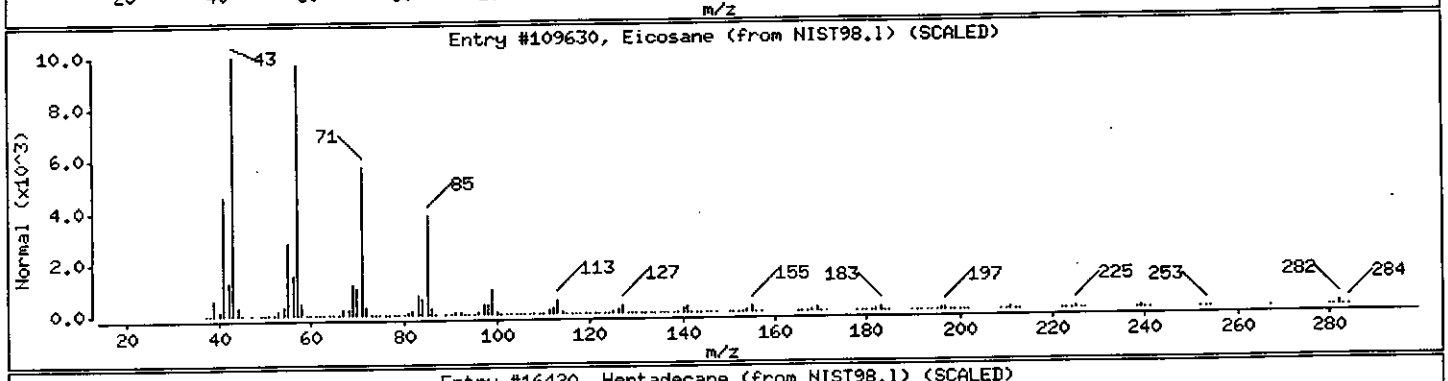
Operator: lmh00956

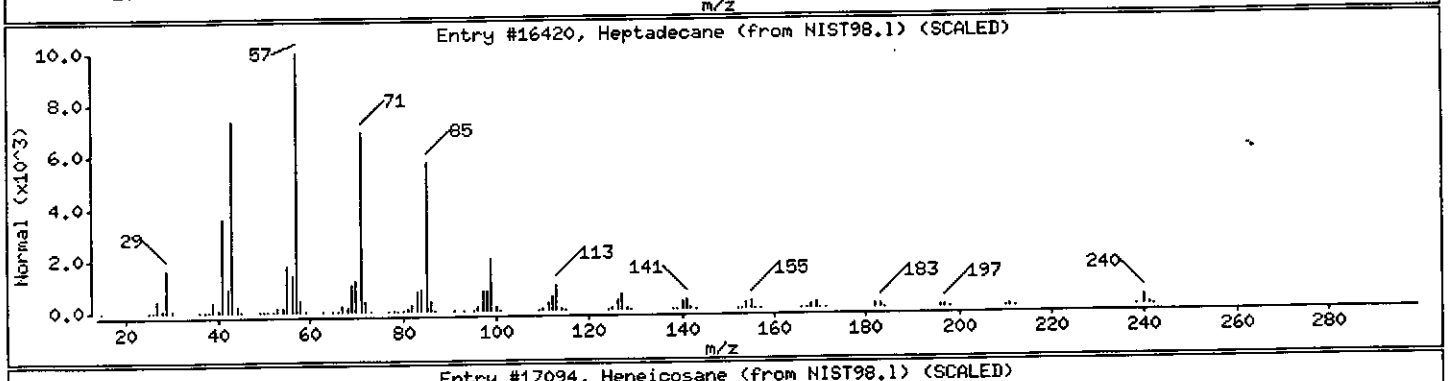
Column phase: J&W DB-5.625

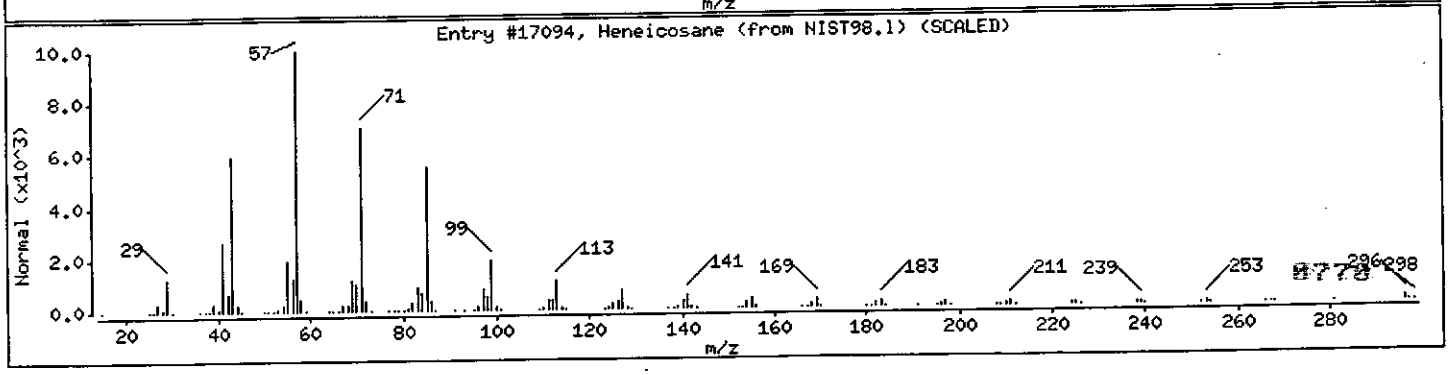
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	109630	96	C20H42	282
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

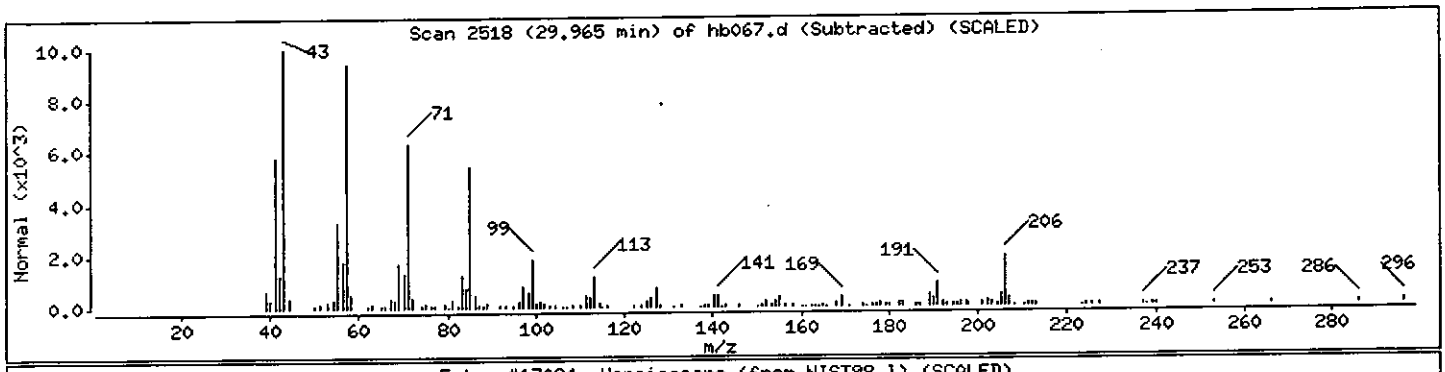
Volume Injected (uL): 2.0

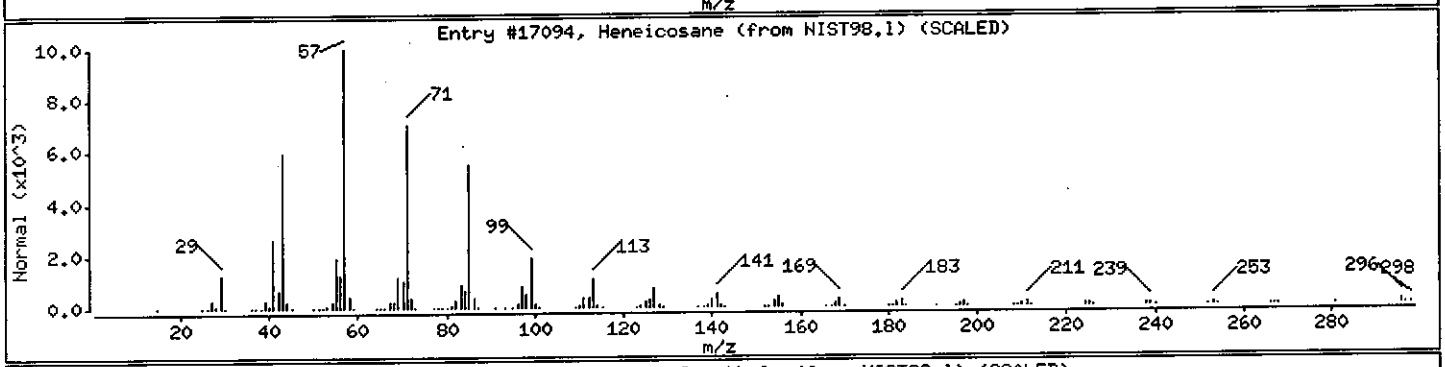
Operator: lmh00956

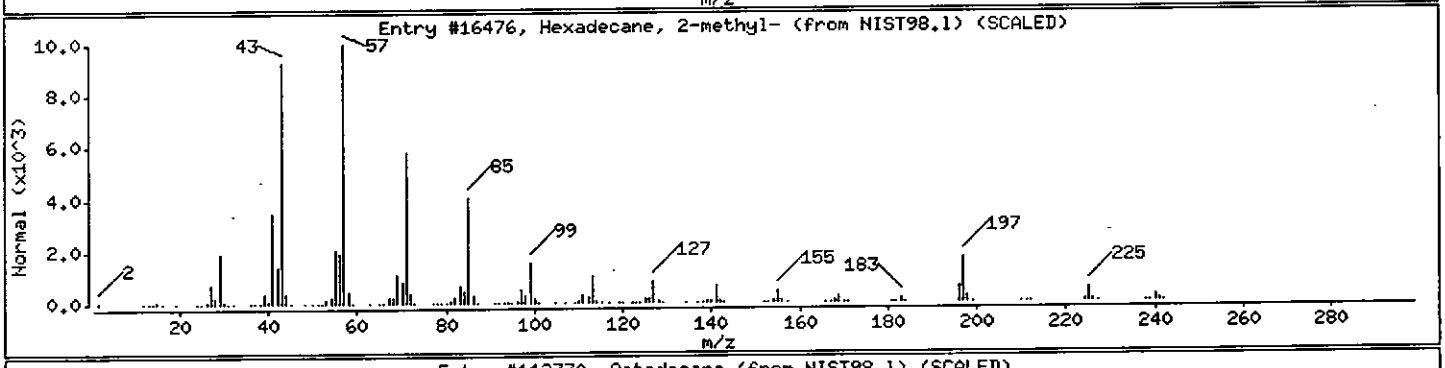
Column phase: J&W DB-5.625

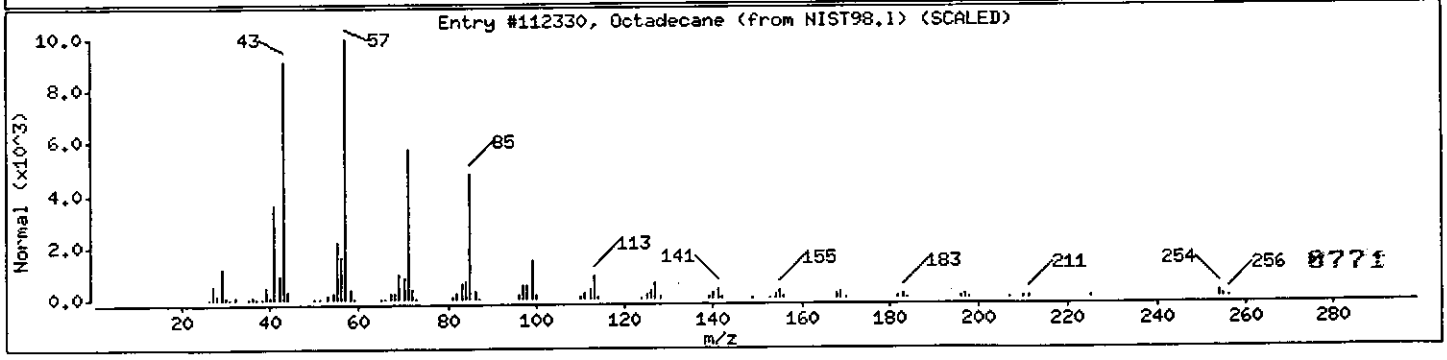
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	98	C21H44	296
Hexadecane, 2-methyl-	1560-92-5	NIST98.1	16476	78	C17H36	240
Octadecane	593-45-3	NIST98.1	112330	76	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

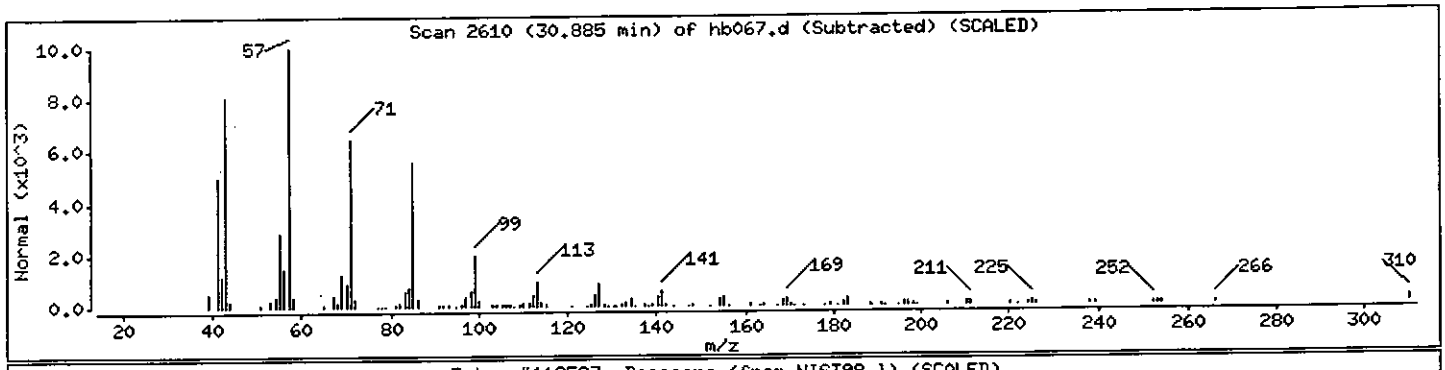
Volume Injected (uL): 2.0

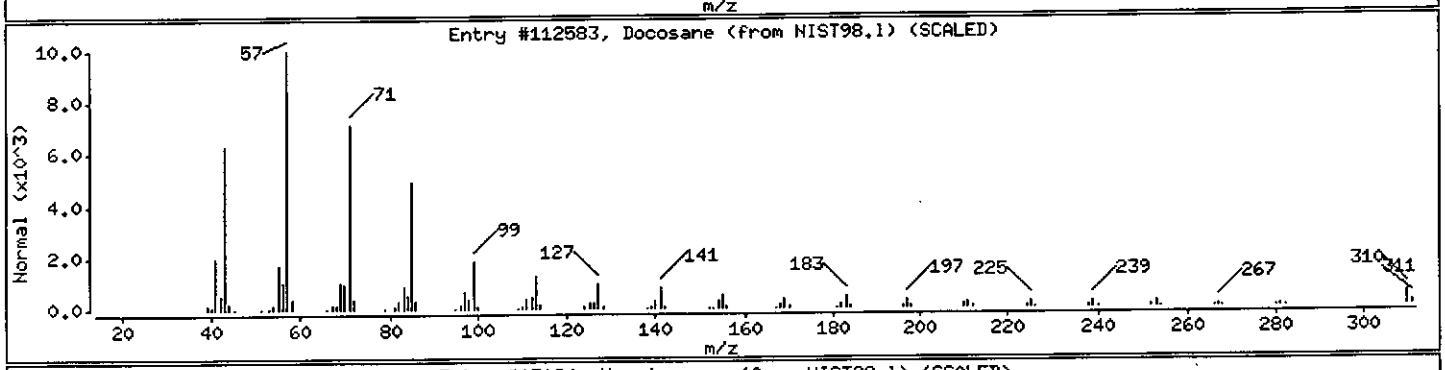
Operator: lmh00956

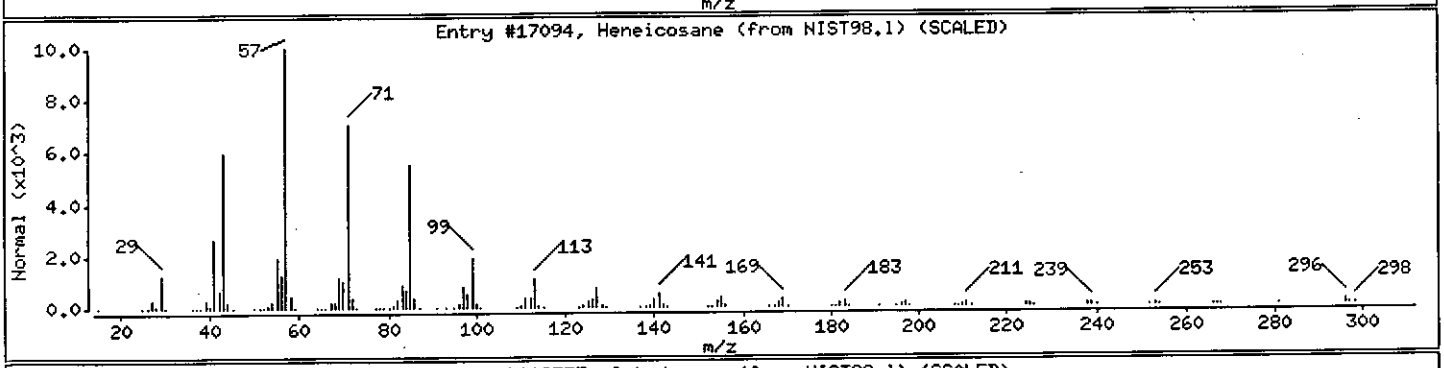
Column phase: J&W DB-5.625

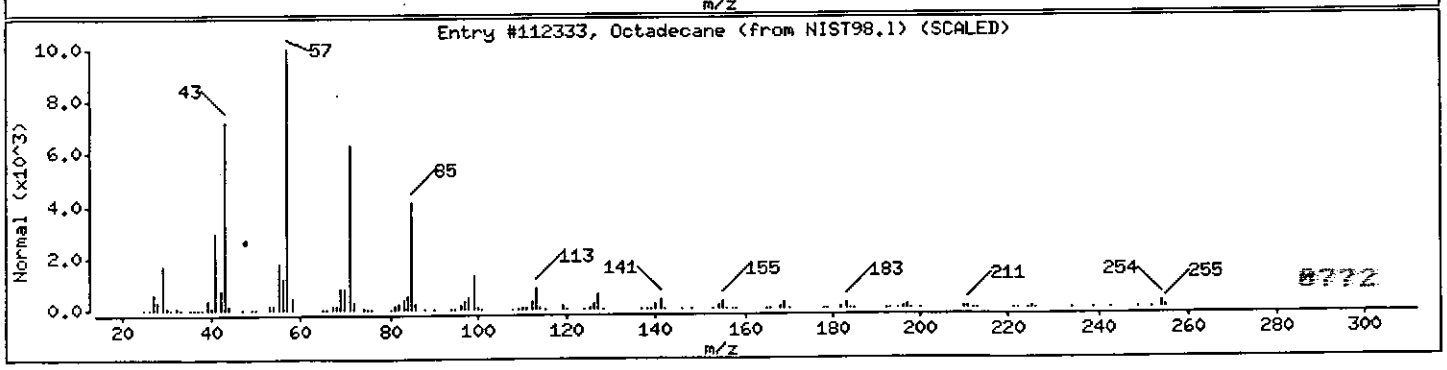
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	112583	94	C22H46	310
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Octadecane	593-45-3	NIST98.1	112333	91	C18H38	254









0772

Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

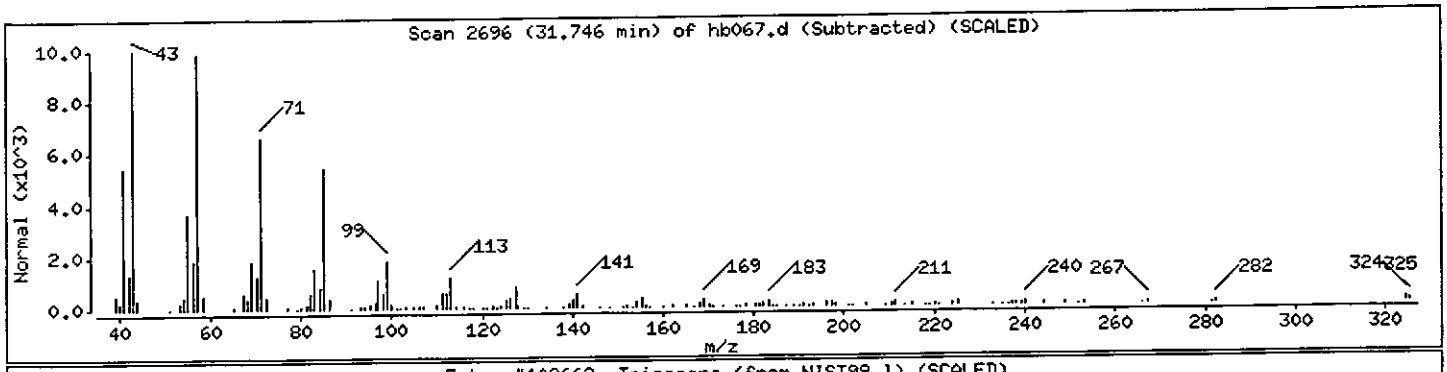
Volume Injected (uL): 2.0

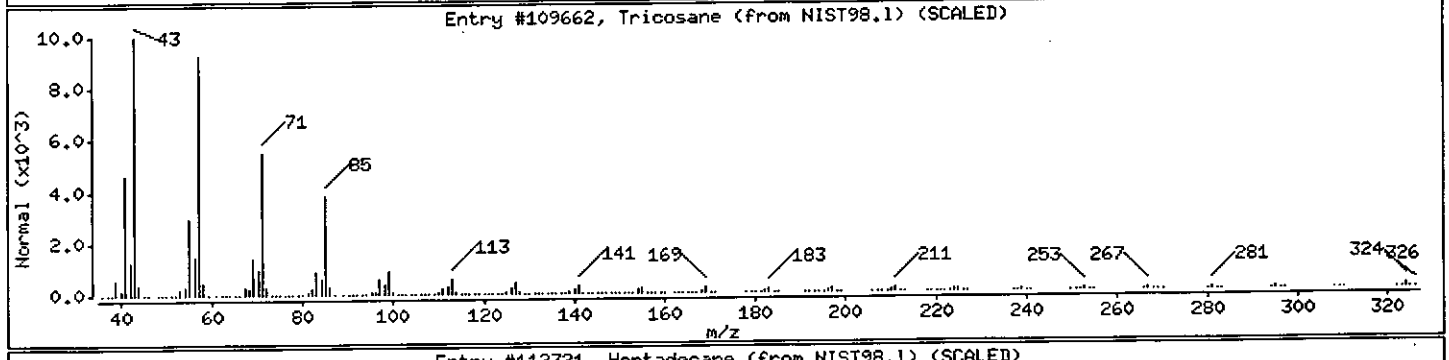
Operator: lmh00956

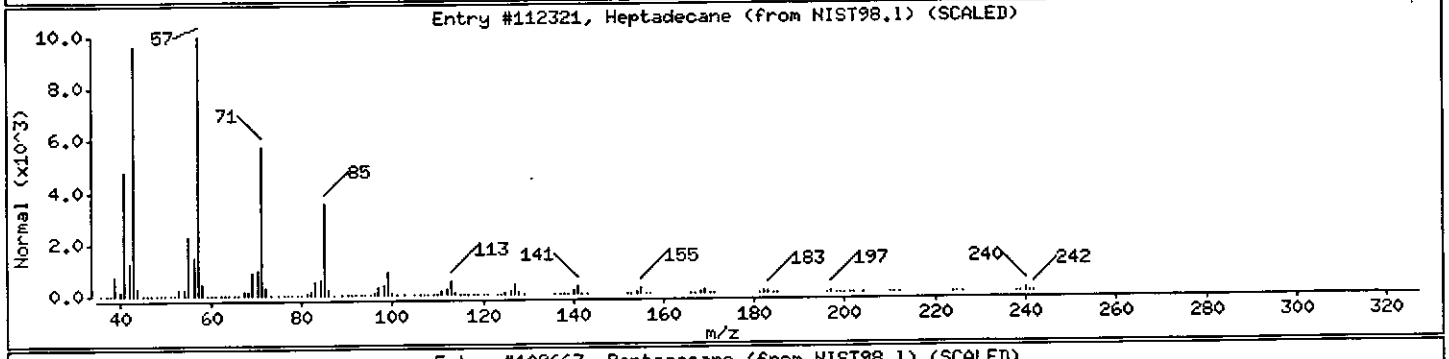
Column phase: J&W DB-5.625

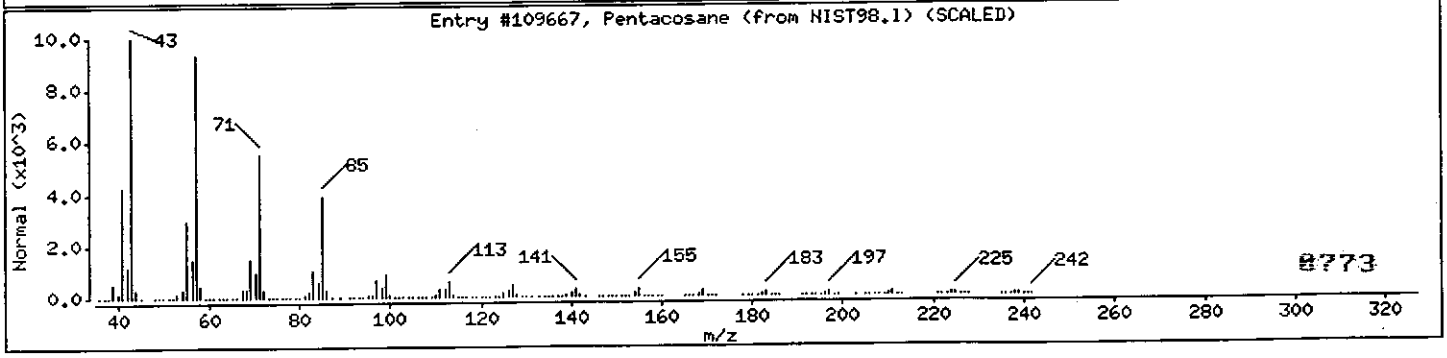
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109662	97	C23H48	324
Heptadecane	629-78-7	NIST98.1	112321	93	C17H36	240
Pentacosane	629-99-2	NIST98.1	109667	91	C25H52	352









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

Volume Injected (uL): 2.0

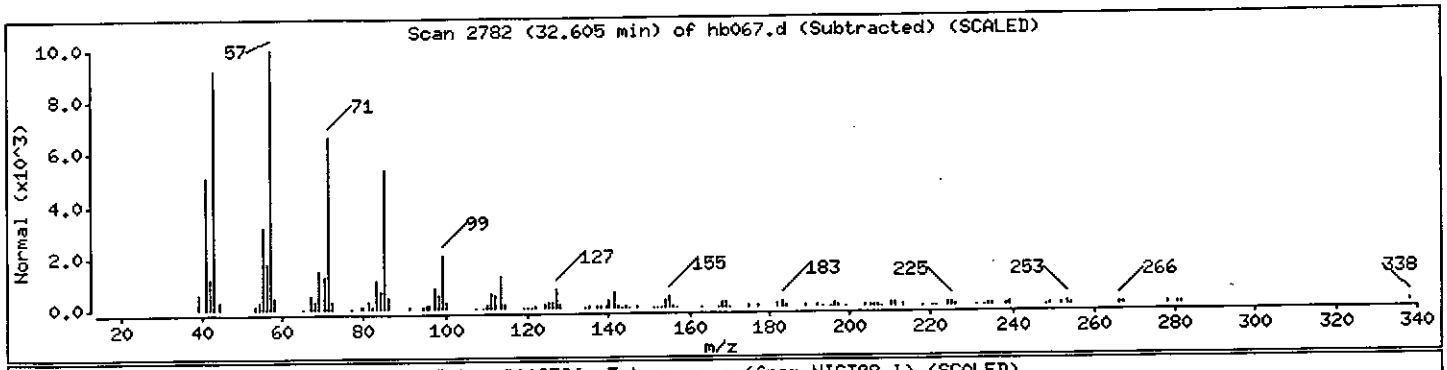
Operator: lmh00956

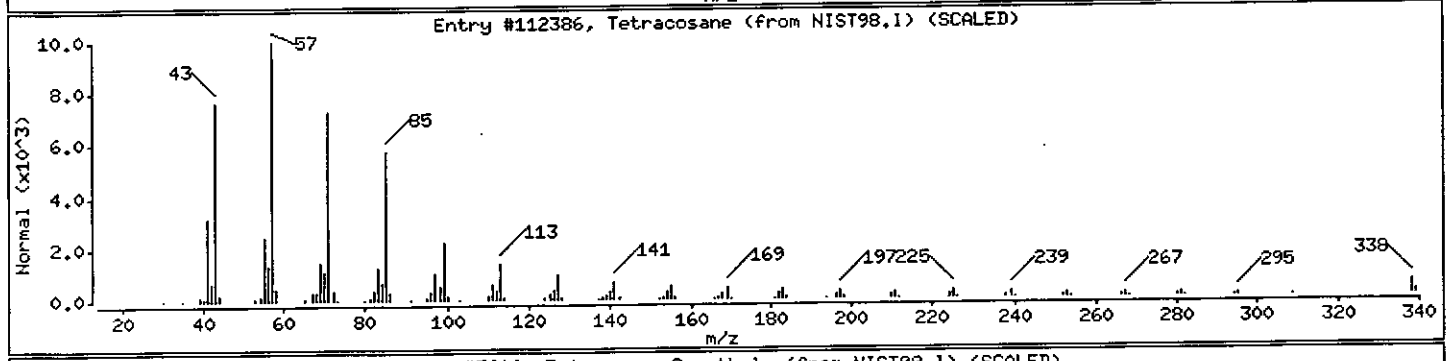
Column phase: J&W DB-5.625

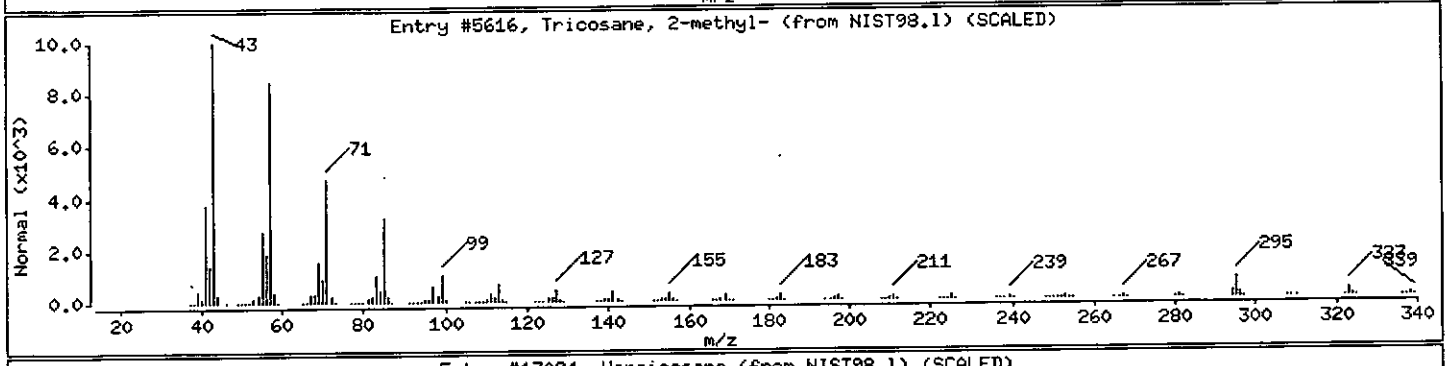
Column diameter: 0.25

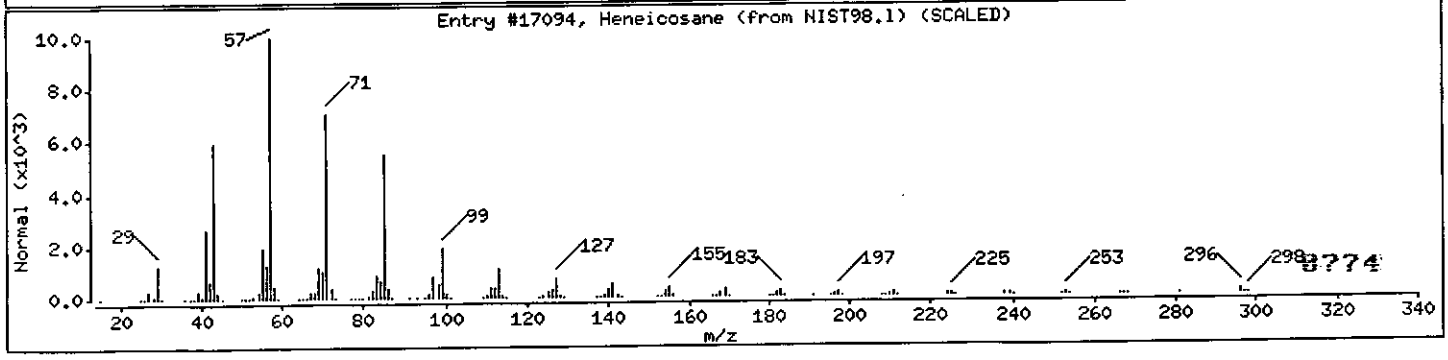
(B) LMN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracosane	646-31-1	NIST98.1	112386	98	C24H50	338
Tricosane, 2-methyl-	1928-30-9	NIST98.1	5616	92	C24H50	338
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

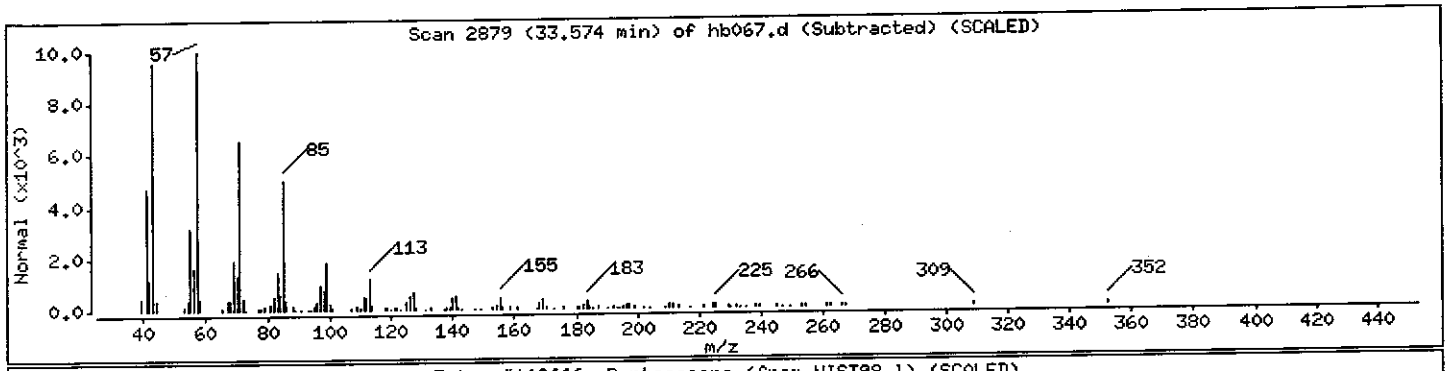
Volume Injected (uL): 2.0

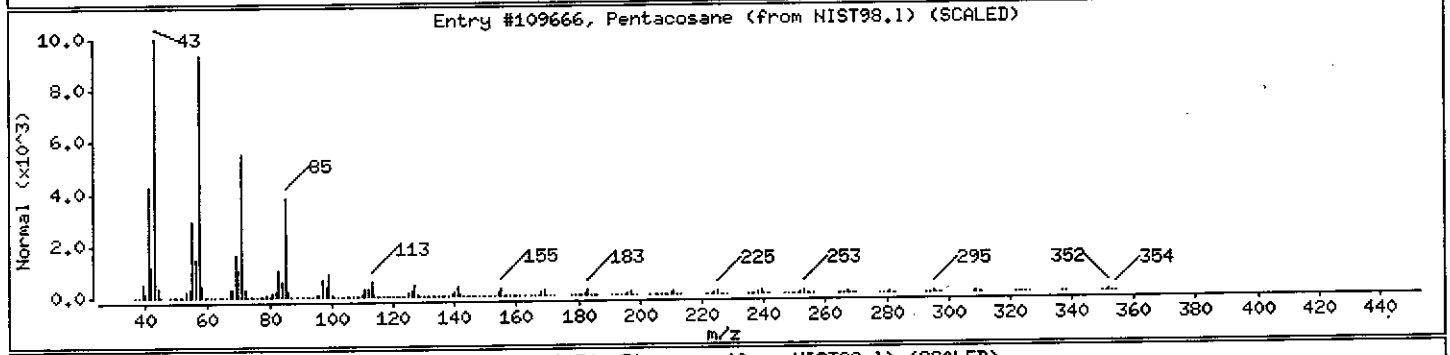
Operator: lmh00956

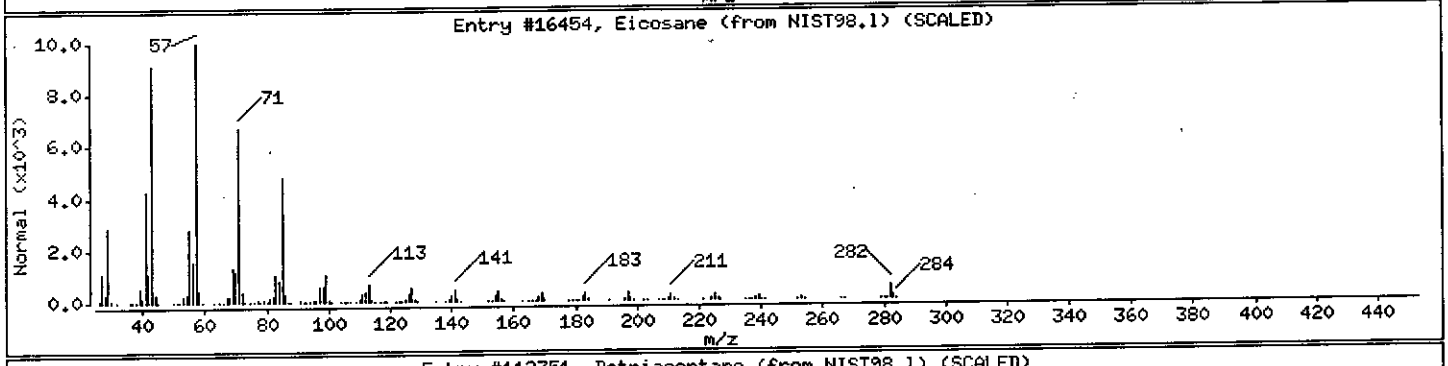
Column phase: J&W DB-5.625

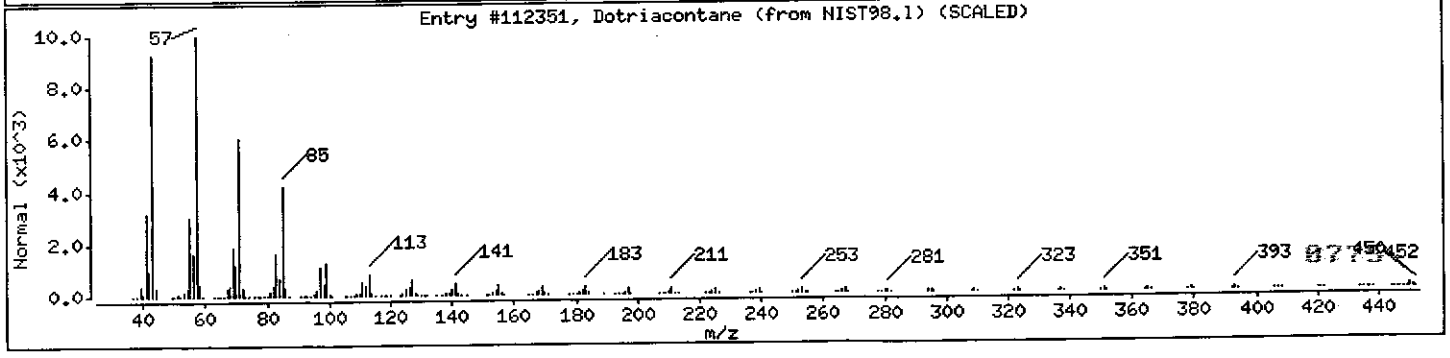
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentacosane	629-99-2	NIST98.1	109666	93	C25H52	352
Eicosane	112-95-8	NIST98.1	16454	91	C20H42	282
Dotriacontane	544-85-4	NIST98.1	112351	91	C32H66	451









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

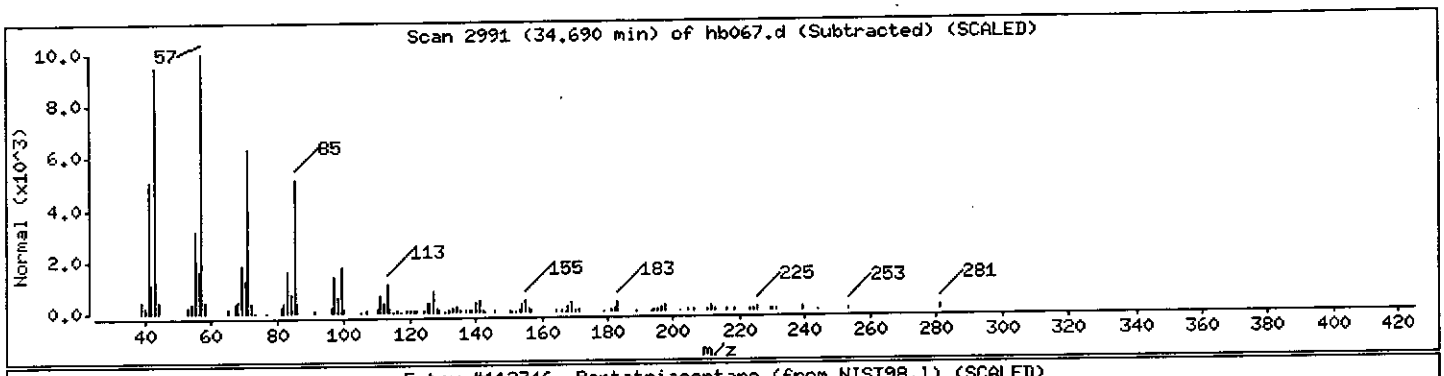
Volume Injected (uL): 2.0

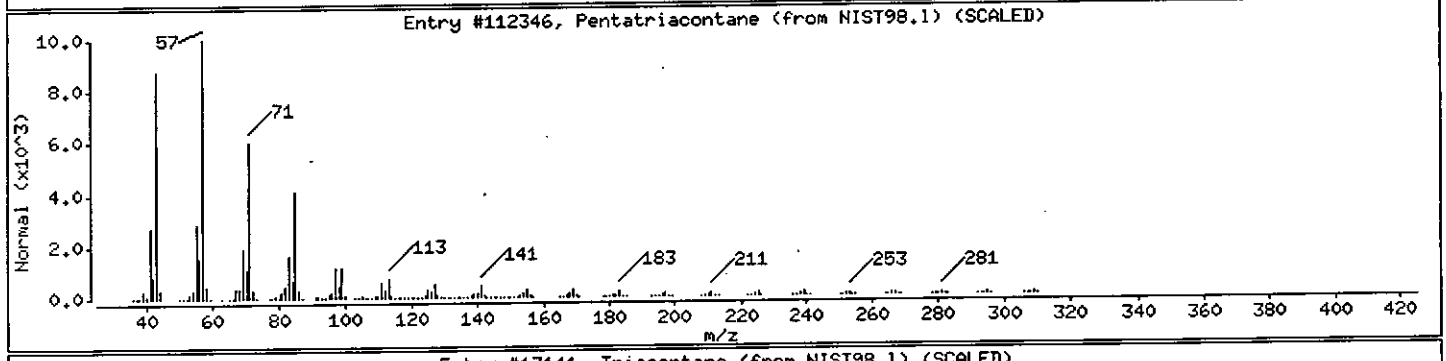
Operator: lmh00956

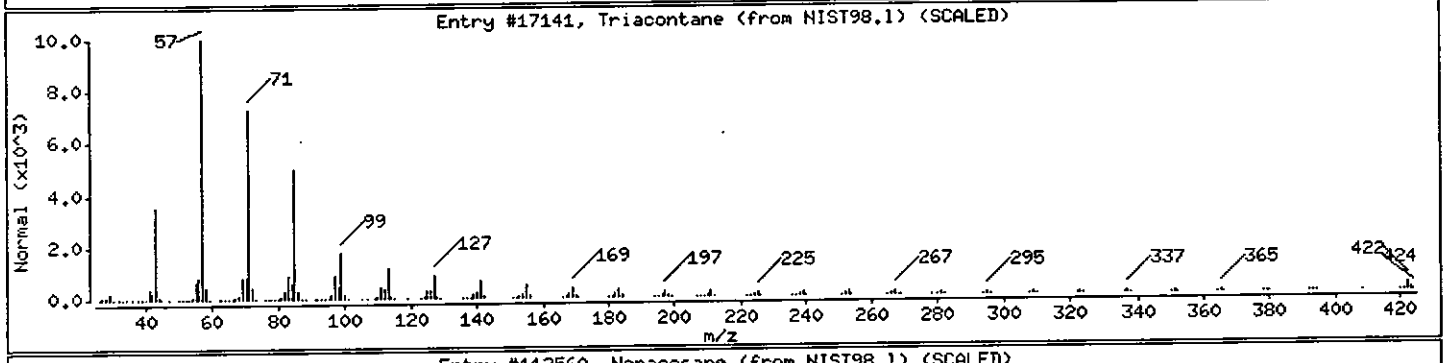
Column phase: J&W DB-5.625

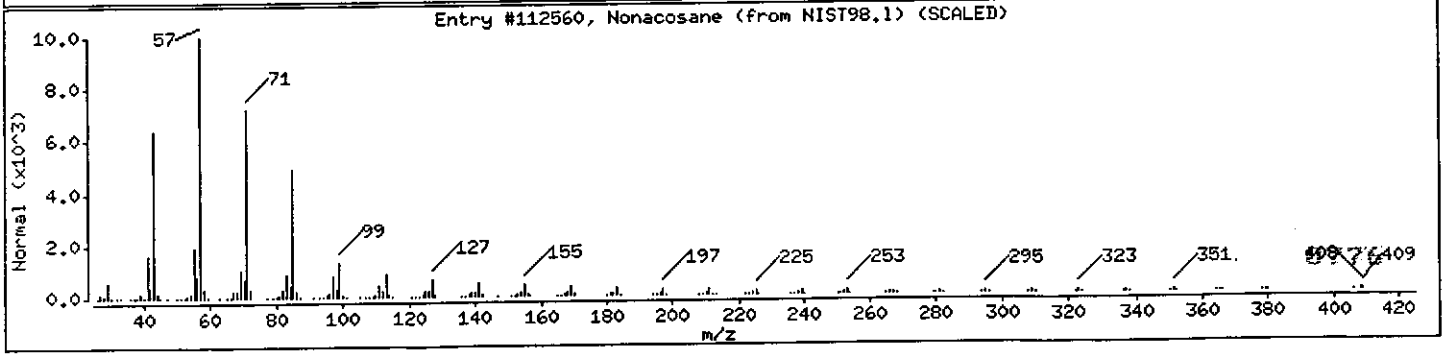
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	95	C35H72	493
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422
Nonacosane	630-03-5	NIST98.1	112560	91	C29H60	408









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

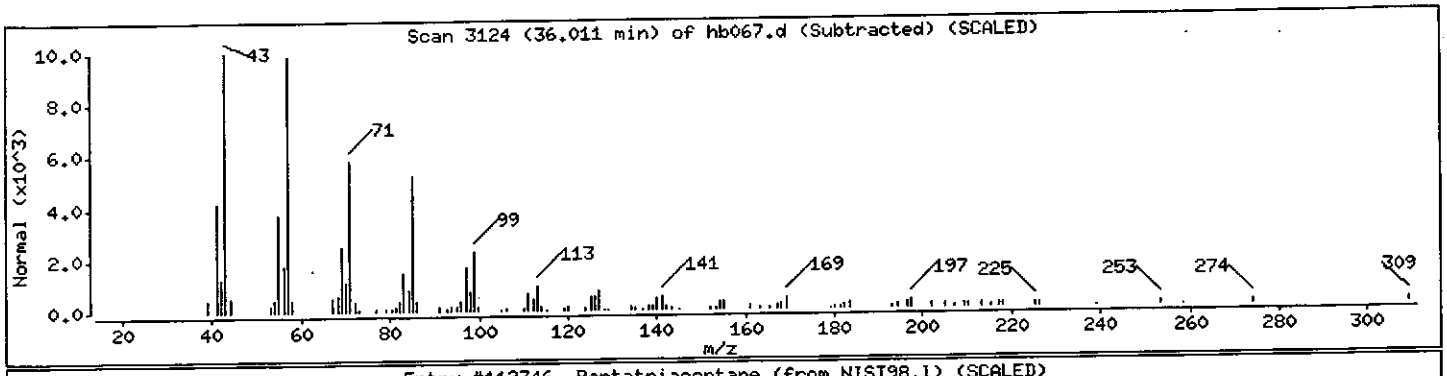
Volume Injected (uL): 2.0

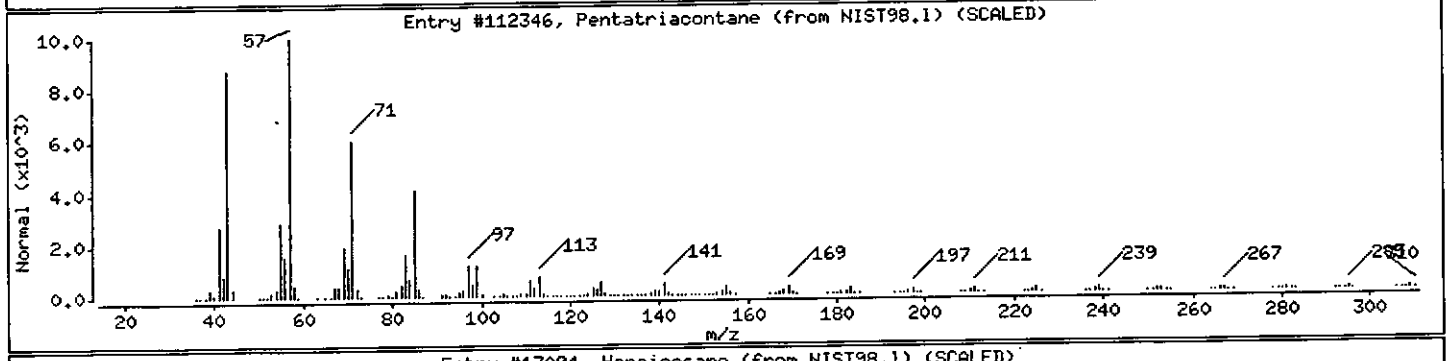
Operator: lmh00956

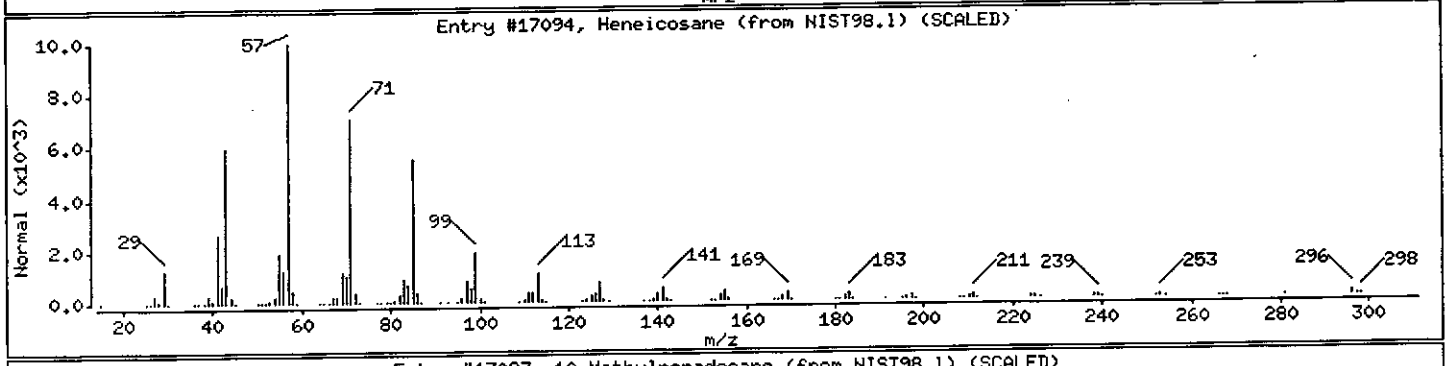
Column phase: J&W DB-5.625

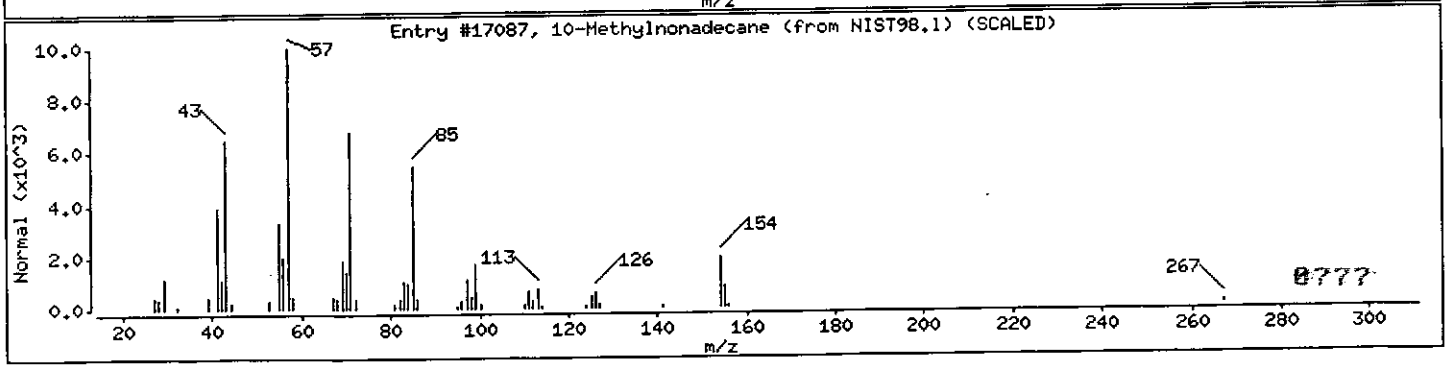
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	87	C35H72	493
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296
10-Methylnonadecane	56862-62-5	NIST98.1	17087	87	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

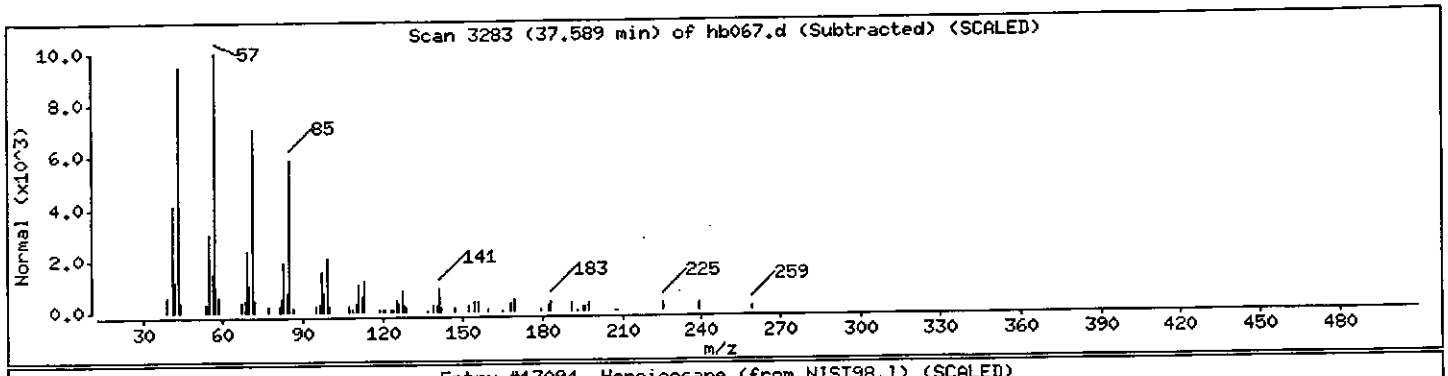
Volume Injected (uL): 2.0

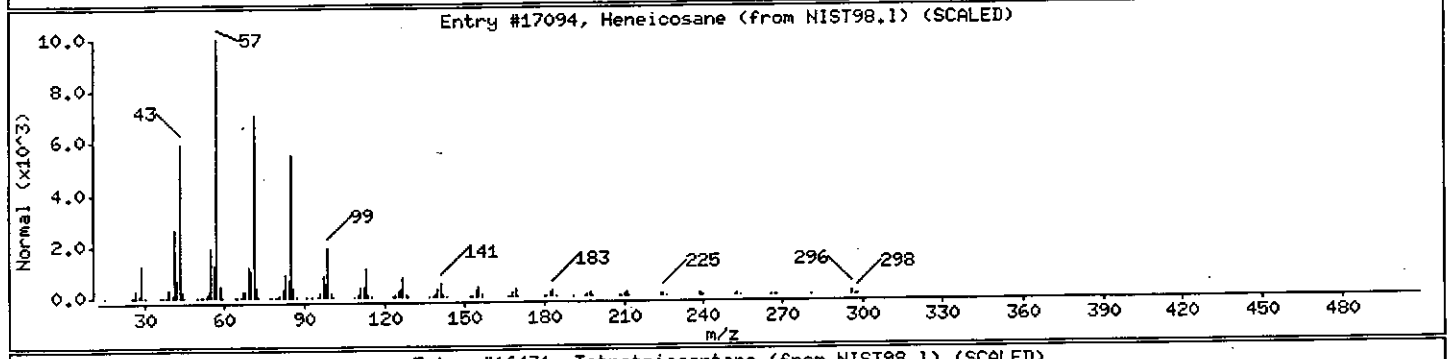
Operator: lmh00956

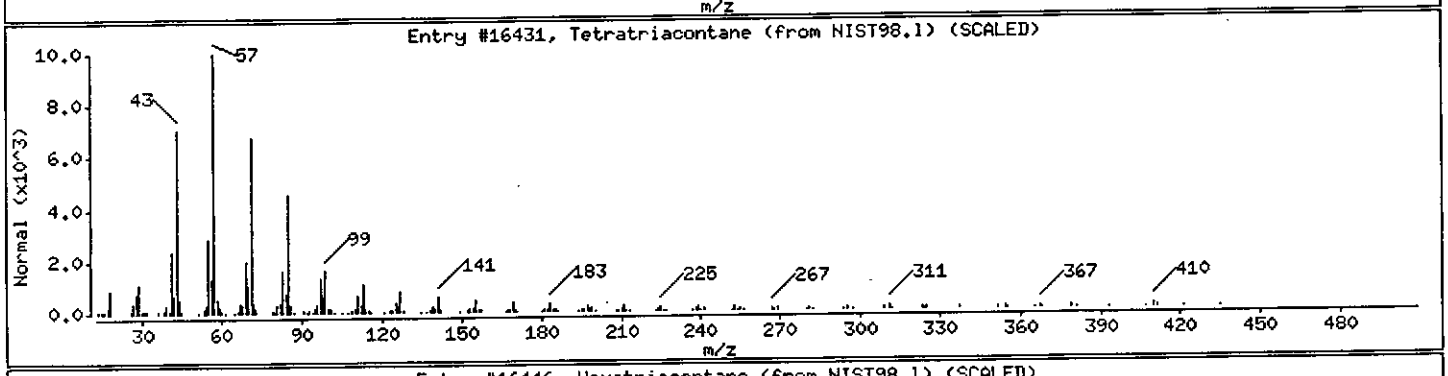
Column phase: J&W DB-5.625

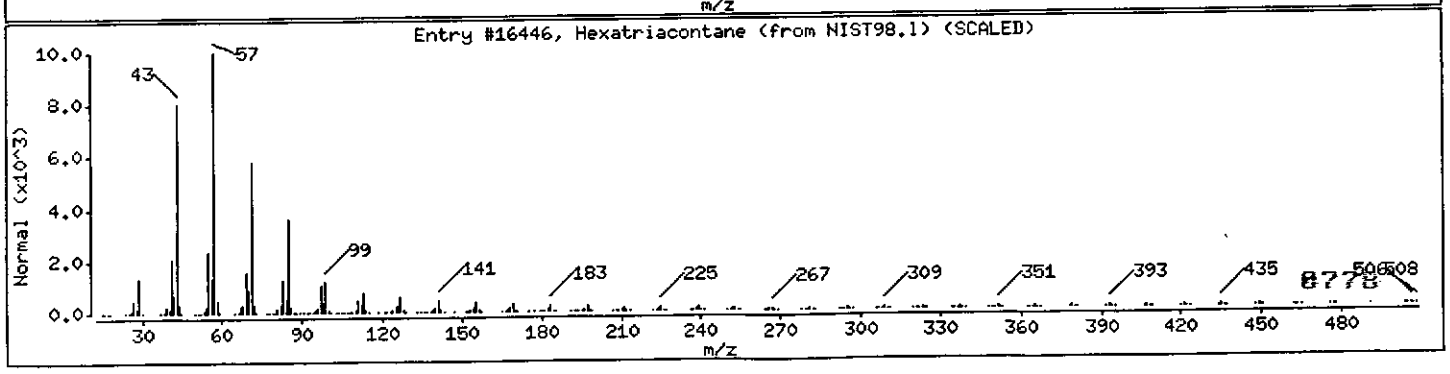
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Tetratriacontane	14167-59-0	NIST98.1	16431	91	C34H70	479
Hexatriacontane	630-06-8	NIST98.1	16446	91	C36H74	507









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

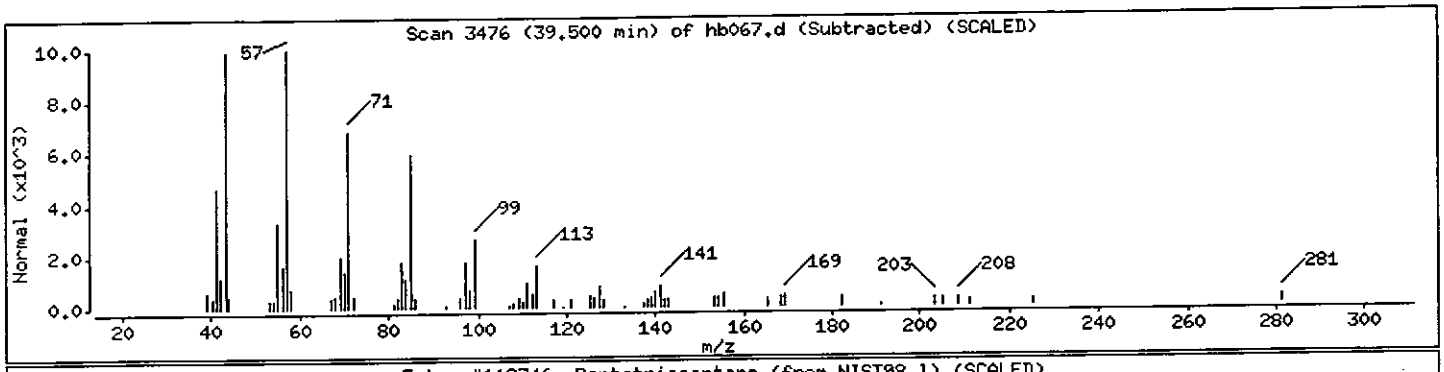
Volume Injected (uL): 2.0

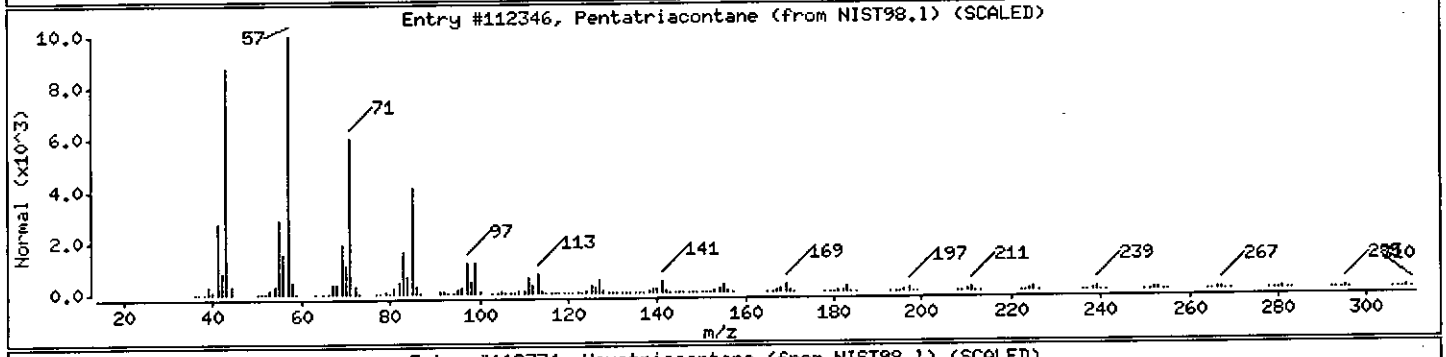
Operator: lmh00956

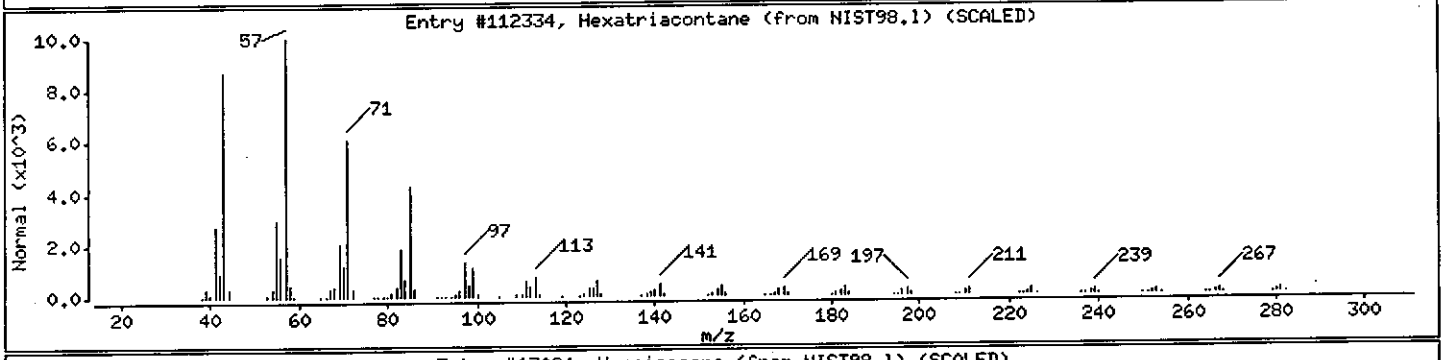
Column phase: J&W DB-5.625

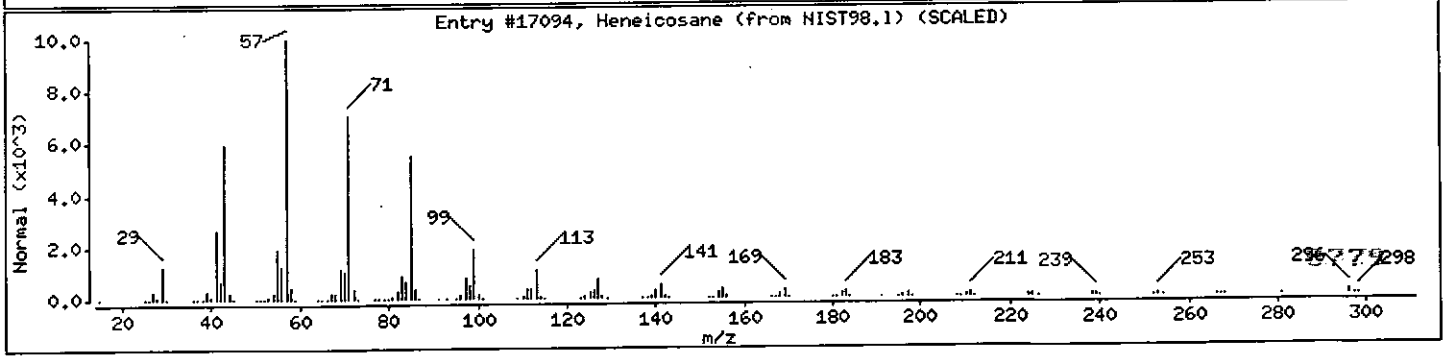
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	90	C35H72	493
Hexatriacontane	630-06-8	NIST98.1	112334	90	C36H74	507
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb067.d

Date : 07-FEB-2006 04:13

Client ID: 6028-

Instrument: HP04629.i

Sample Info: 6028-;4692570;

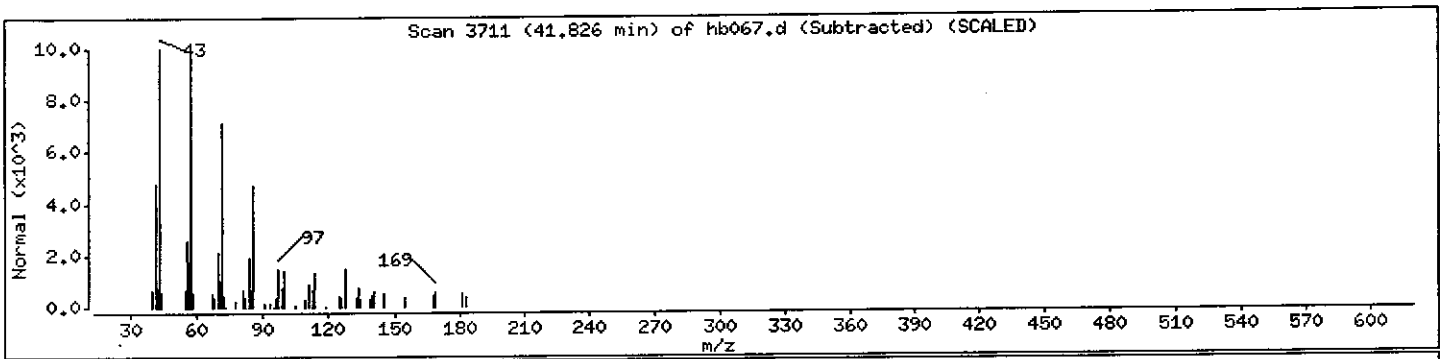
Volume Injected (uL): 2.0

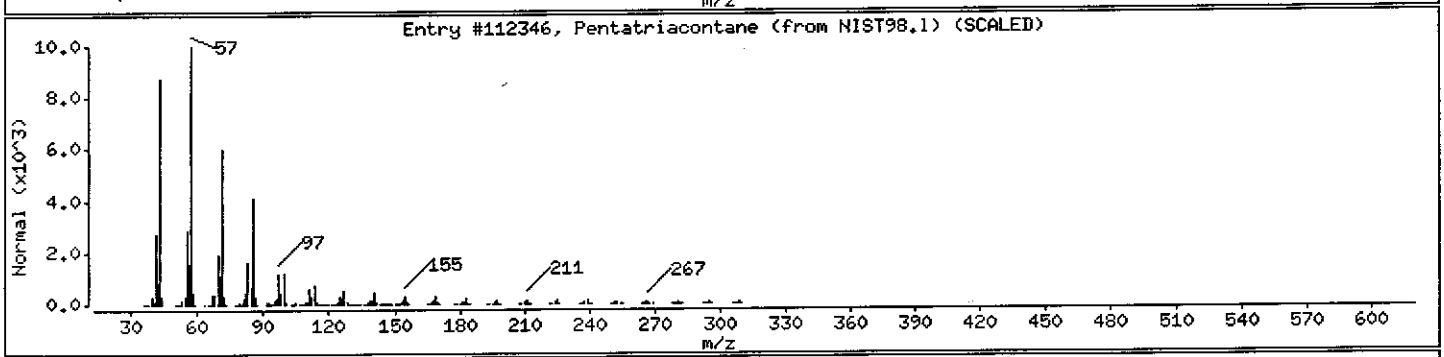
Operator: lmh00956

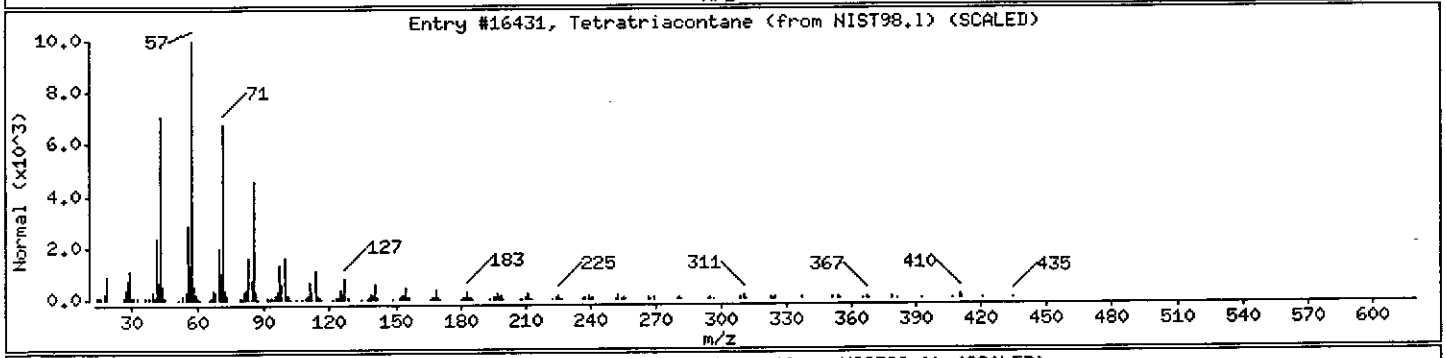
Column phase: J&W DB-5.625

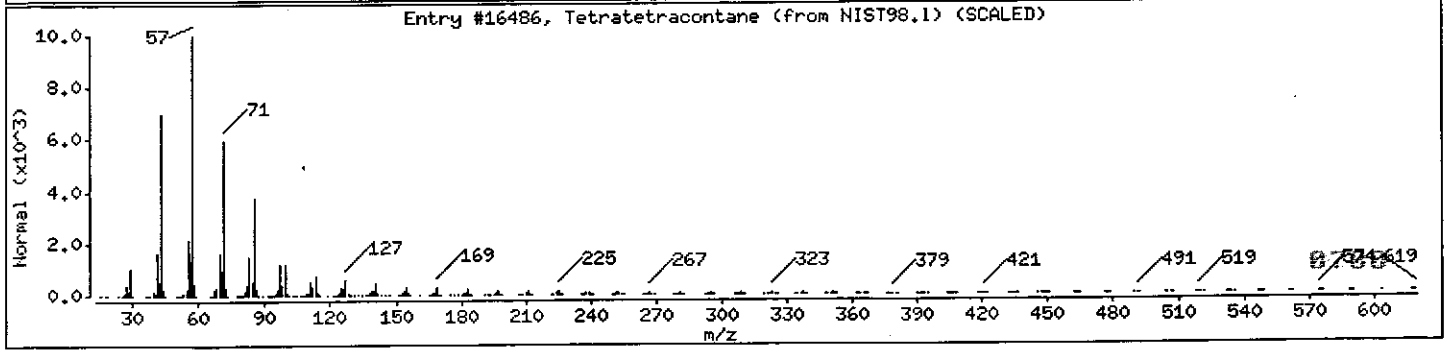
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493
Tetratriacontane	14167-59-0	NIST98.1	16431	91	C34H70	479
Tetratetracontane	7098-22-8	NIST98.1	16486	91	C44H90	619









1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 30 (g/mL) G Lab File ID: hb068.d

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

% Moisture: not dec: 14 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	39	U
111-44-4	bis(2-Chloroethyl)ether	39	U
95-57-8	2-Chlorophenol	39	U
541-73-1	1,3-Dichlorobenzene	39	U
106-46-7	1,4-Dichlorobenzene	39	U
95-50-1	1,2-Dichlorobenzene	39	U
95-48-7	2-Methylphenol	39	U
108-60-1	2,2'-oxybis(1-Chloropropane)	39	U
106-44-5	4-Methylphenol	39	U
621-64-7	N-Nitroso-di-n-propylamine	39	U
67-72-1	Hexachloroethane	39	U
98-95-3	Nitrobenzene	39	U
78-59-1	Isophorone	39	U
88-75-5	2-Nitrophenol	39	U
105-67-9	2,4-Dimethylphenol	78	U
111-91-1	bis(2-Chloroethoxy)methane	39	U
120-83-2	2,4-Dichlorophenol	39	U
120-82-1	1,2,4-Trichlorobenzene	39	U
91-20-3	Naphthalene	39	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	39	U
59-50-7	4-Chloro-3-methylphenol	39	U
91-57-6	2-Methylnaphthalene	39	U
77-47-4	Hexachlorocyclopentadiene	78	U
88-06-2	2,4,6-Trichlorophenol	39	U
95-95-4	2,4,5-Trichlorophenol	39	U
91-58-7	2-Chloronaphthalene	39	U
88-74-4	2-Nitroaniline	39	U
131-11-3	Dimethylphthalate	39	U
606-20-2	2,6-Dinitrotoluene	39	U

8781

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 30 (g/mL) G Lab File ID: hb068.d

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

% Moisture: not dec: 14 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	39	U
99-09-2--------	3-Nitroaniline	78	U
83-32-9--------	Acenaphthene	39	U
51-28-5--------	2,4-Dinitrophenol	190	U
100-02-7-------	4-Nitrophenol	39	U
132-64-9-------	Dibenzofuran	39	U
121-14-2-------	2,4-Dinitrotoluene	39	U
84-66-2--------	Diethylphthalate	39	U
7005-72-3------	4-Chlorophenyl-phenylether	39	U
86-73-7--------	Fluorene	39	U
100-01-6-------	4-Nitroaniline	78	U
534-52-1-------	4,6-Dinitro-2-methylphenol	39	U
86-30-6--------	N-Nitrosodiphenylamine	39	U
101-55-3-------	4-Bromophenyl-phenylether	39	U
118-74-1-------	Hexachlorobenzene	39	U
87-86-5--------	Pentachlorophenol	190	U
85-01-8--------	Phenanthrene	39	U
120-12-7-------	Anthracene	39	U
86-74-8--------	Carbazole	39	U
84-74-2--------	Di-n-butylphthalate	78	U
206-44-0-------	Fluoranthene	39	U
129-00-0-------	Pyrene	39	U
85-68-7--------	Butylbenzylphthalate	39	U
91-94-1--------	3,3'-Dichlorobenzidine	78	U
56-55-3--------	Benzo(a)anthracene	39	U
117-81-7-------	bis(2-Ethylhexyl)phthalate	39	U
218-01-9-------	Chrysene	39	U
117-84-0-------	Di-n-octylphthalate	39	U
205-99-2-------	Benzo(b)fluoranthene	39	U
207-08-9-------	Benzo(k)fluoranthene	39	U

0782

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 30 (g/mL) G Lab File ID: hb068.d

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

% Moisture: not dec: 14 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	39	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	39	U
53-70-3--------	Dibenz(a,h)anthracene	39	U
191-24-2-------	Benzo(g,h,i)perylene	39	U

0783

6008-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692571

Data file: /chem/HP04629.i/06feb06a.b/hb068.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 05:16
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:41 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

Internal Standards	RT	(+/-RT)	Scan	QIon	Area	(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.385	(0.007)	848	152.0	88898	(3)	40.00	
41) Naphthalene-d8	17.180	(0.005)	1232	136.0	319082	(3)	40.00	
64) Acenaphthene-d10	22.628	(-0.001)	1782	164.0	168584	(0)	40.00	
87) Phenanthrene-d10	27.175	(0.006)	2240	188.0	252151	(-4)	40.00	
99) Chrysene-d12	34.303	(0.012)	2956	240.0	178836	(-8)	40.00	
105) Perylene-d12	41.292	(0.000)	3662	264.0	129893	(-11)	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)	9.733	(-0.001)	112	396850	116.726	78%		25 - 121
10) Phenol-d5	(1)	12.180	(0.000)	99	473567	127.570	85%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.723	(0.000)	132	429581	123.050	82%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.840	(0.000)	152	148676	67.512	68%		20 - 130
32) Nitrobenzene-d5	(2)	14.976	(0.001)	82	255124	77.040	77%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.467	(0.000)	172	452135	76.039	76%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.079	(0.000)	330	121366	115.240	77%		19 - 122
94) Terphenyl-d14	(5)	31.287	(0.000)	244	417261	97.503	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)					ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)					ND	ND			2.00
42) Naphthalene	(2)					ND	ND			2.00
43) 4-Chloroaniline	(2)				Below MDL,	Do not report				8.00

8784

6008-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692571

Data file: /chem/HP04629.i/06feb06a.b/hb068.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 05:16 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:41 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

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)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			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)					ND	ND			2.00
63) 3-Nitroaniline	(3)					ND	ND			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)					Below MDL, Do not report				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

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6008-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692571

Data file: /chem/HP04629.i/06feb06a.b/hb068.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 05:16
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:41 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

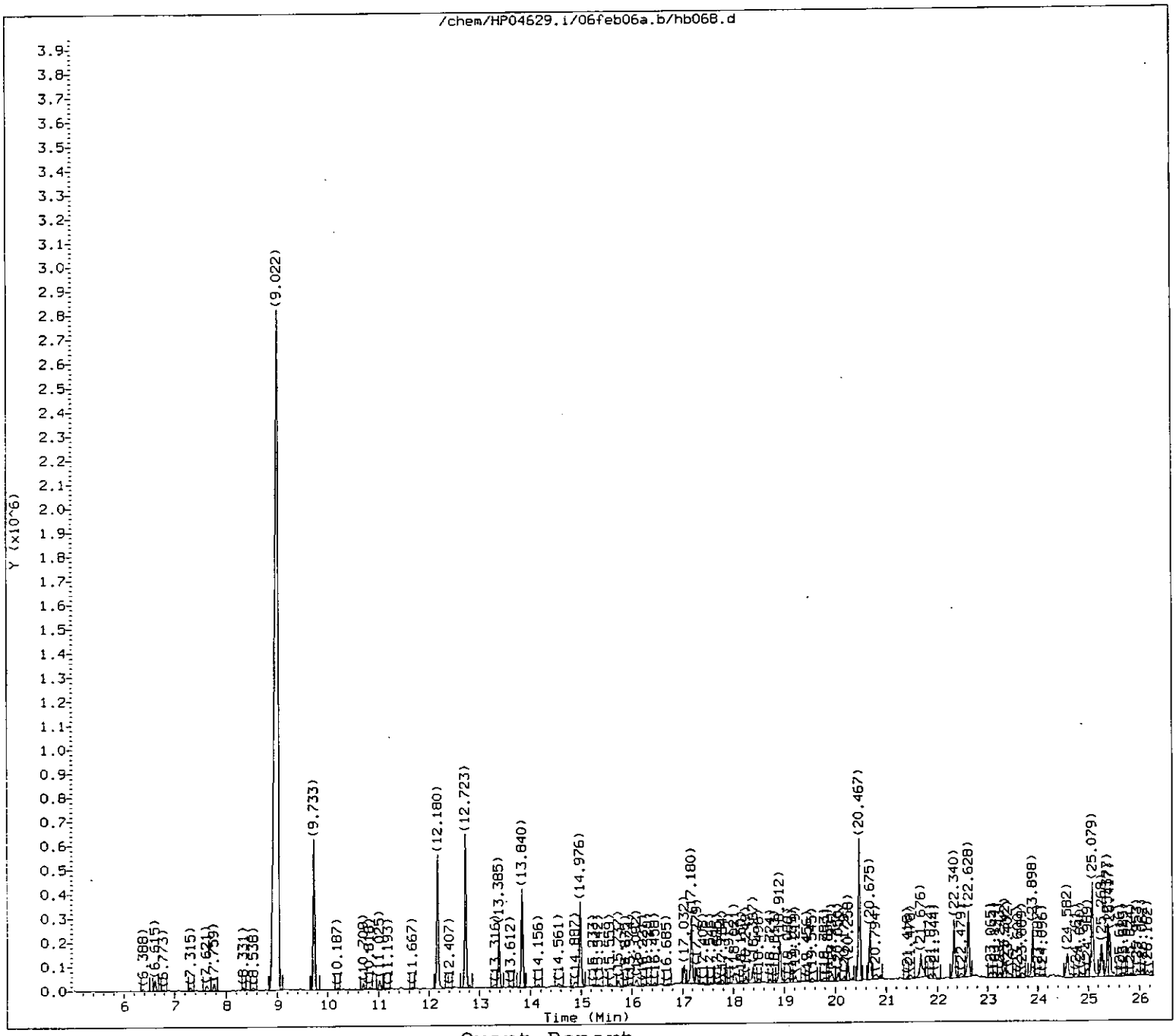
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

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

8786



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Injection date and time: 07-FEB-2006 05:16

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

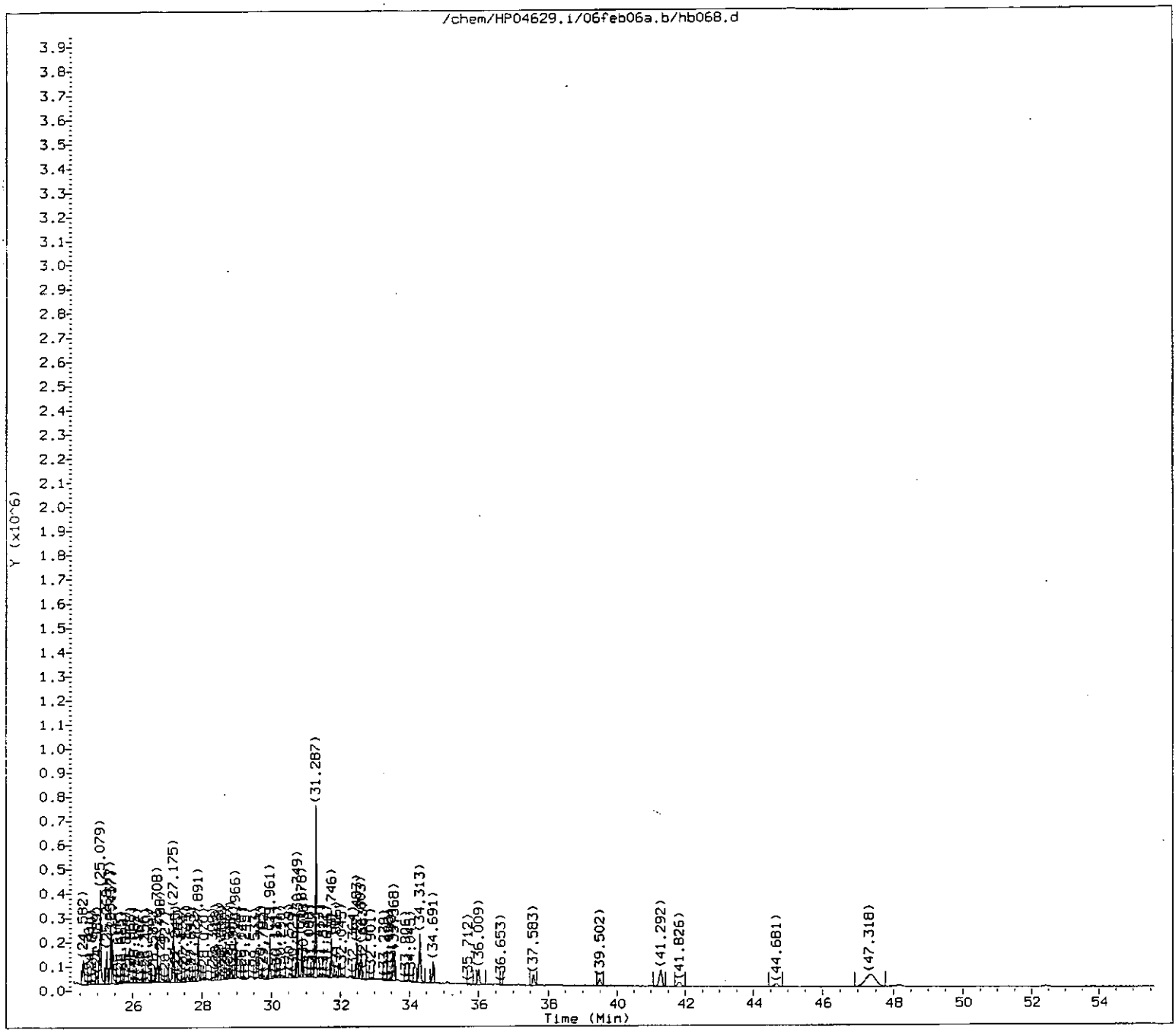
Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 07:41 msl01251

Sample Name: 6008-

Lab Sample ID: 4692571

0787



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb068.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 05:16 Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time: 07-FEB-2006 01:34
Date, time and analyst ID of latest file update: 07-Feb-2006 07:41 msl01251

Sample Name: 6008- Lab Sample ID: 4692571

2/7/06

0788

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Injection date and time: 07-FEB-2006 05:16

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 07:41 msl01251

Sample Name: 6008-

Lab Sample ID: 4692571

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.385	152	88898	40.000
41) Naphthalene-d8	(2)	17.180	136	319082	40.000
64) Acenaphthene-d10	(3)	22.628	164	168584	40.000
87) Phenanthrene-d10	(4)	27.175	188	252151	40.000
99) Chrysene-d12	(5)	34.303	240	178836	40.000
105) Perylene-d12	(6)	41.292	264	129893	40.000
4) 2-Fluorophenol	(1)	9.733	112	396850	116.726
10) Phenol-d5	(1)	12.180	99	473567	127.570
14) 2-Chlorophenol-d4	(1)	12.723	132	429581	123.050
21) 1,2-Dichlorobenzene-d4	(1)	13.840	152	148676	67.512
32) Nitrobenzene-d5	(2)	14.976	82	255124	77.040
54) 2-Fluorobiphenyl	(3)	20.467	172	452135	76.039
82) 2,4,6-Tribromophenol	(4)	25.079	330	121366	115.240
94) Terphenyl-d14	(5)	31.287	244	417261	97.503

M = Compound was manually integrated.

A = User selected an alternate hit

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 30 (g/mL) g Lab File ID: hb068.d

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

% Moisture: 14 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: 27 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.561	92	J
2.	Unknown	14.887	110	J
3.	Unknown	16.092	93	J
4.	Unknown	18.021	200	J
5.	Unknown	19.080	94	J
6.	Unknown	19.931	140	J
7.	Unknown	20.794	130	J
8.	Unknown	21.944	84	J
9.	Unknown	23.402	120	J
10.	Unknown	23.689	86	J
11.	Unknown	24.989	120	J
12.	Unknown	25.268	330	J B
13.	Unknown	26.162	110	J
14.	Unknown	26.420	100	J
15.	Unknown	27.245	85	J
16.	Unknown	27.315	79	J
17.	Unknown	27.573	96	J
18.	Unknown	28.498	120	J
19.	Unknown	28.588	83	J
20.	Unknown	28.837	80	J
21.	Unknown	29.782	80	J
22.	Unknown	30.519	94	J
23.	Unknown Carboxylic Acid	30.749	510	J B
24.	Unknown	30.938	160	J
25.	Unknown	32.483	340	J B
26.	Unknown	32.663	95	J
27.	Unknown	47.318	2000	J
28.				
29.				
30.				

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6008-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 30 (g/mL) g Lab File ID: hb068.d

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

% Moisture: 14 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	18.912	490	J
2.	Unknown Alkane	20.675	590	J
3.	Unknown Alkane	21.676	410	J
4.	Unknown Alkane	22.340	660	J
5.	Unknown Alkane	23.898	540	J
6.	Unknown Alkane	24.582	400	J
7.	Unknown Alkane	25.377	480	J
8.	Unknown Alkane	25.417	520	J
9.	Unknown Alkane	26.708	390	J
10.	Unknown Alkane	26.788	270	J
11.	Unknown Alkane	27.891	400	J
12.	Unknown Alkane	28.966	300	J
13.	Unknown Alkane	29.961	380	J
14.	Unknown Alkane	30.878	380	J
15.	Unknown Alkane	31.746	370	J
16.	Unknown Alkane	32.603	360	J B
17.	Unknown Alkane	33.568	360	J
18.	Unknown Alkane	34.691	280	J
19.	Unknown Alkane	36.009	300	J
20.	Unknown Alkane	41.826	290	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

8791

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb068.d
Lab Smp Id: 4692571 Client Smp ID: 6008-
Inj Date : 07-FEB-2006 05:16
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6008-;4692571;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 09:02 jmg00346 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 9
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	13.385	577729	40.000
* 41 Naphthalene-d8	17.180	722896	40.000
* 64 Acenaphthene-d10	22.628	707509	40.000
* 87 Phenanthrene-d10	27.175	766545	40.000
* 99 Chrysene-d12	34.303	653938	40.000
* 105 Perylene-d12	41.292	417122	40.000

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Report Date: 07-Feb-2006 09:54

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
14.561	68646	4.75280924	79.21348	0		0	18
Unknown				CAS #:			
14.887	85604	5.92691015	98.78183	0		0	18
Unknown				CAS #:			
16.092	86725	4.79877226	79.97953	0		0	41
Unknown				CAS #:			
18.021	182551	10.1011058	168.35176	0		0	41
Unknown Alkane				CAS #:			
18.912	461322	25.5263206	425.43867	0		0	41
Unknown				CAS #:			
19.080	88120	4.87591635	81.26527	0		0	41
Unknown				CAS #:			
19.931	128024	7.23797868	120.63297	0		0	64
Unknown Alkane				CAS #:			
20.675	539656	30.5101499	508.50249	0		0	64
Unknown				CAS #:			
20.794	116716	6.59869519	109.97825	0		0	64
Unknown Alkane				CAS #:			
21.676	375653	21.2380155	353.96692	0		0	64
Unknown				CAS #:			
21.944	76862	4.34548581	72.42476	0		0	64
Unknown Alkane				CAS #:			
22.340	604010	34.1484863	569.14143	0		0	64
Unknown				CAS #:			
23.402	109731	6.20377532	103.39625	0		0	64
Unknown				CAS #:			
23.689	78198	4.42105306	73.68421	0		0	64
Unknown Alkane				CAS #:			
23.898	489732	27.6876421	461.46070	0		0	64

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Report Date: 07-Feb-2006 09:54

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
24.582	361222	20.4221900	340.36983	0		0	64
Unknown				CAS #:			
24.989	123708	6.45533651	107.58894	0		0	87
Unknown				CAS #:			
25.268	327396	17.0842193	284.73698	0		0	87
Unknown Alkane				CAS #:			
25.377	478784	24.9839710	416.39951	0		0	87
Unknown Alkane				CAS #:			
25.417	516963	26.9762285	449.60380	0		0	87
Unknown				CAS #:			
26.162	106146	5.53894128	92.31568	0		0	87
Unknown				CAS #:			
26.420	99010	5.16654314	86.10905	0		0	87
Unknown Alkane				CAS #:			
26.708	384219	20.0493710	334.15618	0		0	87
Unknown Alkane				CAS #:			
26.788	265213	13.8393680	230.65613	0		0	87
Unknown				CAS #:			
27.245	83854	4.37570863	72.92847	0		0	87
Unknown				CAS #:			
27.315	77824	4.06100924	67.68348	0		0	87
Unknown				CAS #:			
27.573	94911	4.95267220	82.54453	0		0	87
Unknown Alkane				CAS #:			
27.891	392376	20.4750082	341.25013	0		0	87
Unknown				CAS #:			
28.498	117611	6.13718981	102.28649	0		0	87
Unknown				CAS #:			
28.588	81815	4.26930331	71.15505	0		0	87

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Report Date: 07-Feb-2006 09:54

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.837	79330	4.13959445	68.99324	0		0	87
Unknown Alkane				CAS #:			
28.966	293493	15.3150969	255.25161	0		0	87
Unknown				CAS #:			
29.782	79021	4.12347317	68.72455	0		0	87
Unknown Alkane				CAS #:			
29.961	379613	19.8090266	330.15044	0		0	87
Unknown				CAS #:			
30.519	92570	4.83048981	80.50816	0		0	87
Unknown Carboxylic acid ③ CMR/412 2/8/06				CAS #:			
30.749	431711	26.4068408	440.11401	0		0	99
Unknown Alkane				CAS #:			
30.878	318255	19.4669714	324.44952	0		0	99
Unknown				CAS #:			
30.938	139008	8.50282104	141.71368	0		0	99
Unknown Alkane				CAS #:			
31.746	313581	19.1810805	319.68467	0		0	99
Unknown				CAS #:			
32.483	285417	17.4583546	290.97257	0		0	99
Unknown Alkane				CAS #:			
32.603	300631	18.3889415	306.48235	0		0	99
Unknown				CAS #:			
32.663	80301	4.91182708	81.86378	0		0	99
Unknown Alkane				CAS #:			
33.568	300602	18.3871645	306.45274	0		0	99
Unknown Alkane				CAS #:			
34.691	240410	14.7053518	245.08919	0		0	99
Unknown Alkane				CAS #:			
36.009	257511	15.7513898	262.52316	0		0	99

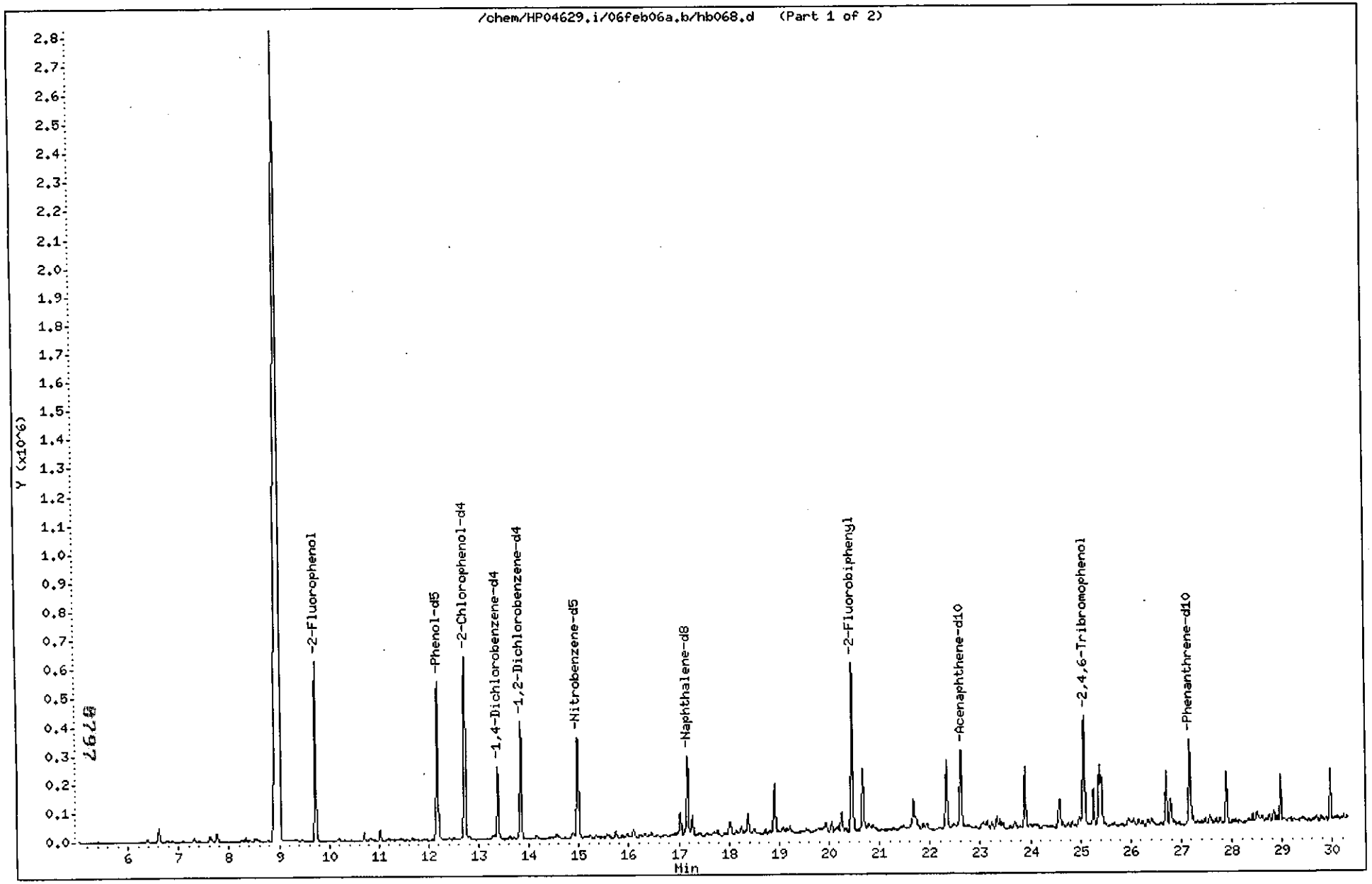
Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Report Date: 07-Feb-2006 09:54

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
41.826	155393	14.9014393	248.35732	0		0	105
Unknown				CAS #:			
47.318	1078148	103.389129	1723.15214	0		0	105

Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Date : 07-FEB-2006 05:16
Client ID: 6008-
Sample Info: 6008-;4692571;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

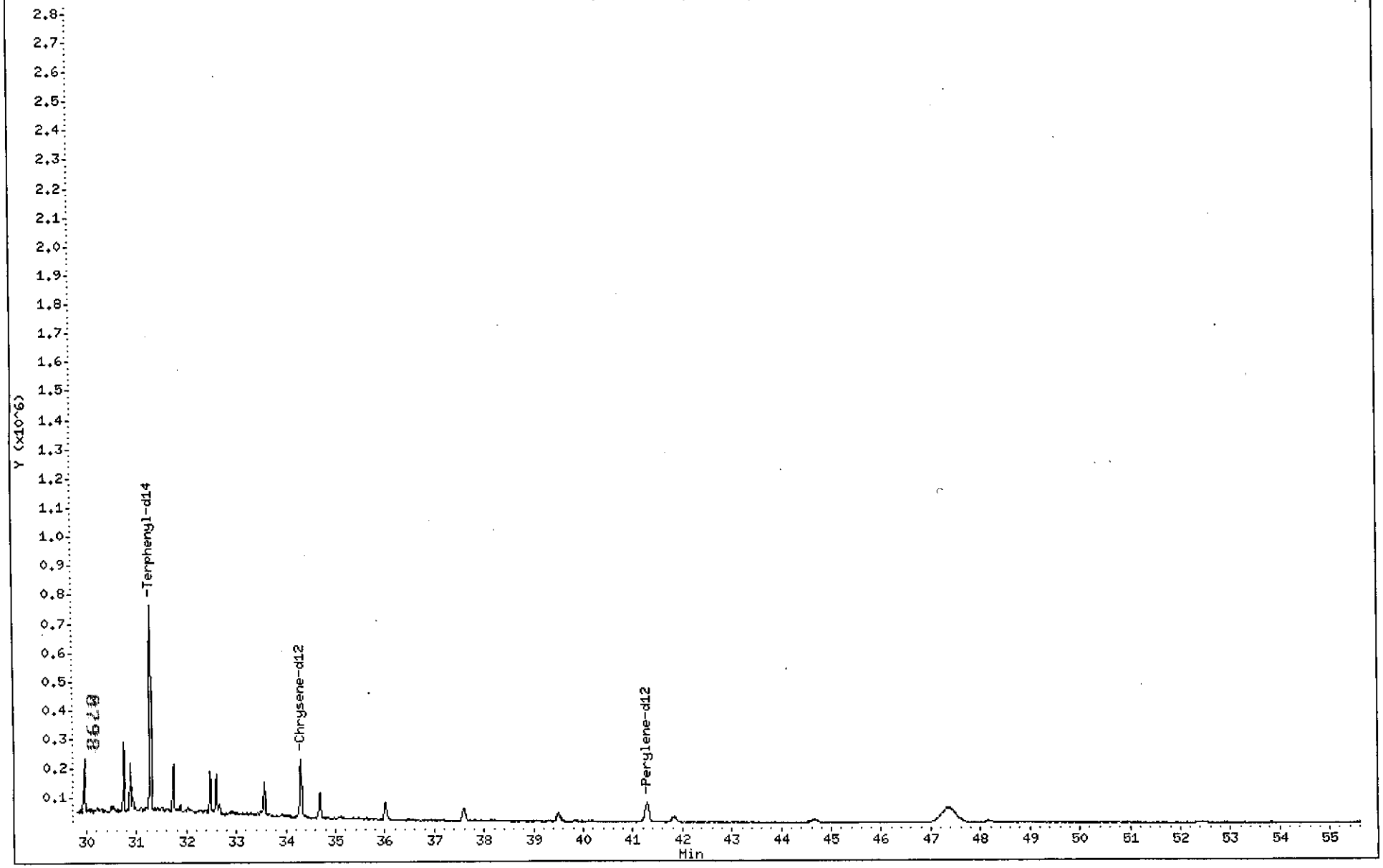


Data File: /chem/HP04629.i/06feb06a.b/hb068.d
Date : 07-FEB-2006 05:16
Client ID: 6008-
Sample Info: 6008-:4692571:
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

/chem/HP04629.i/06feb06a.b/hb068.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

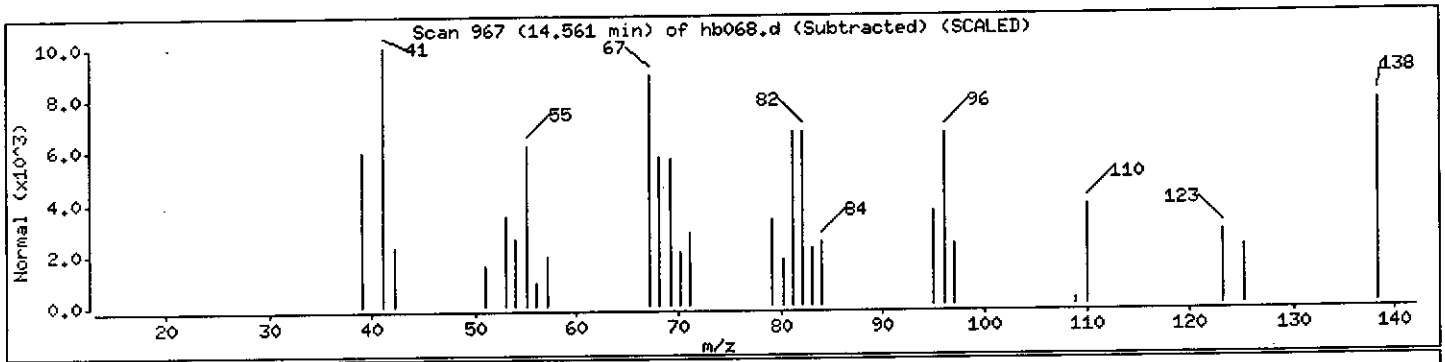
Volume Injected (uL): 2.0

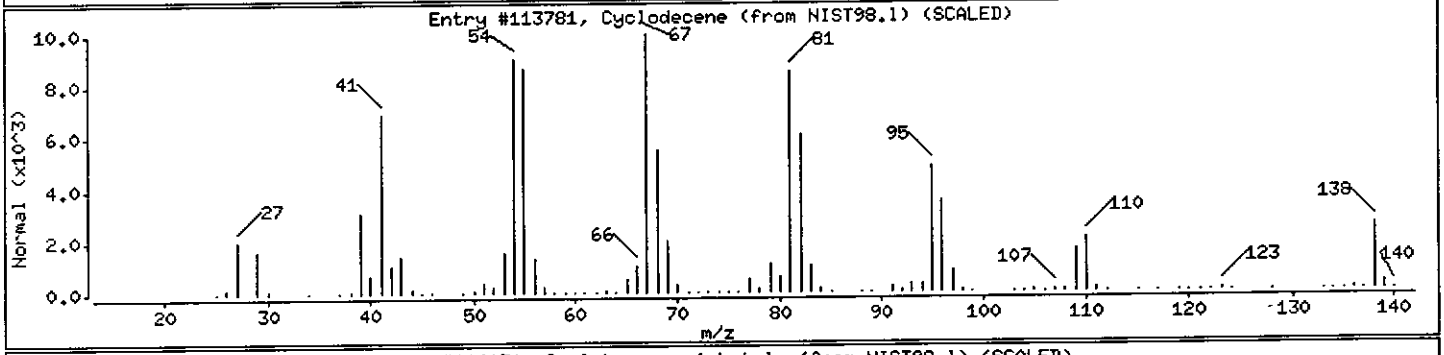
Operator: lmh00956

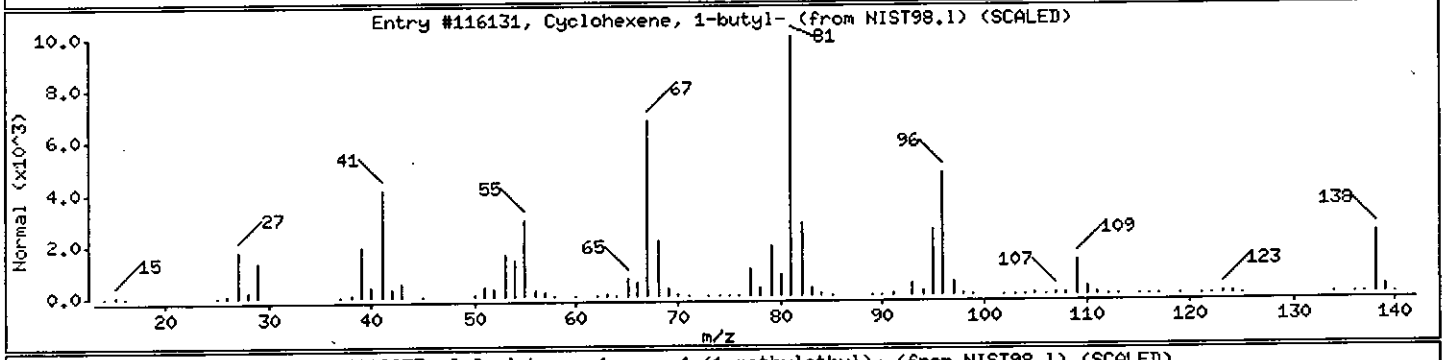
Column phase: J&W DB-5.625

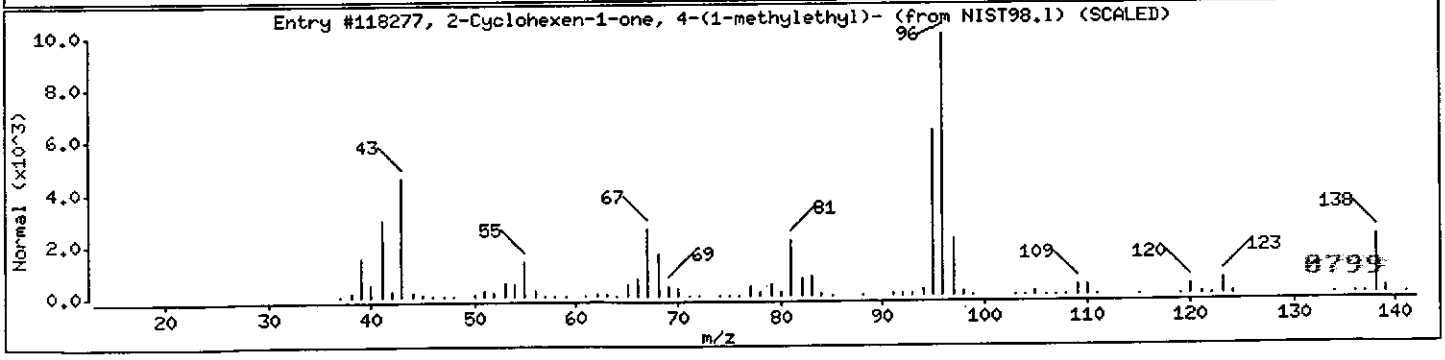
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclodecene	3618-12-0	NIST98.1	113781	64	C10H18	138
Cyclohexene, 1-butyl-	3282-53-9	NIST98.1	116131	50	C10H18	138
2-Cyclohexen-1-one, 4-(1-methylethyl)-	500-02-7	NIST98.1	118277	49	C9H14O	138









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

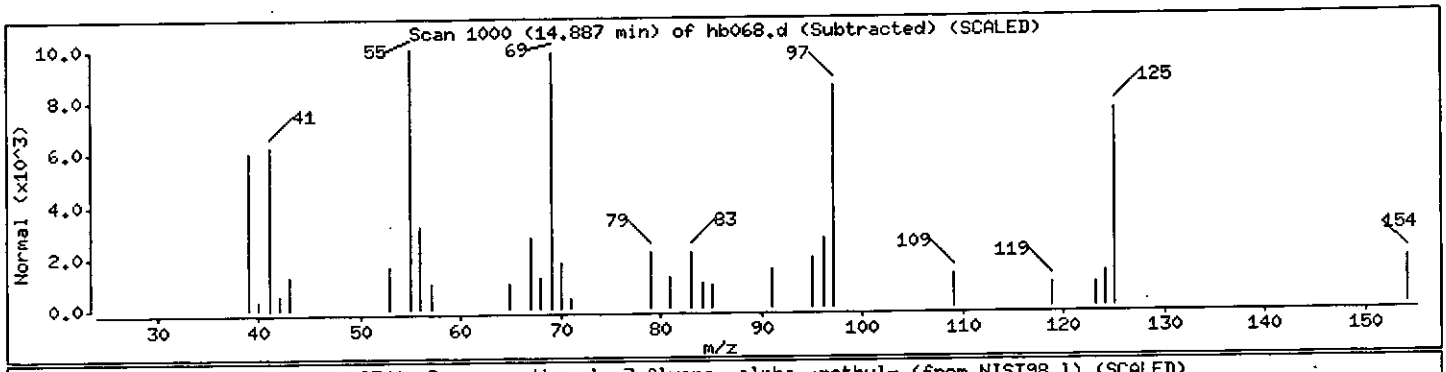
Volume Injected (uL): 2.0

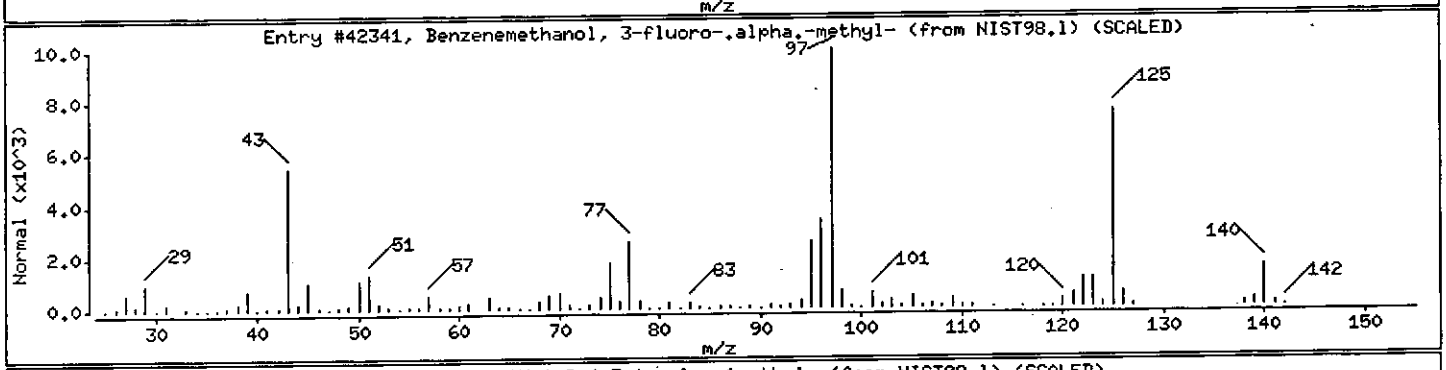
Operator: lmh00956

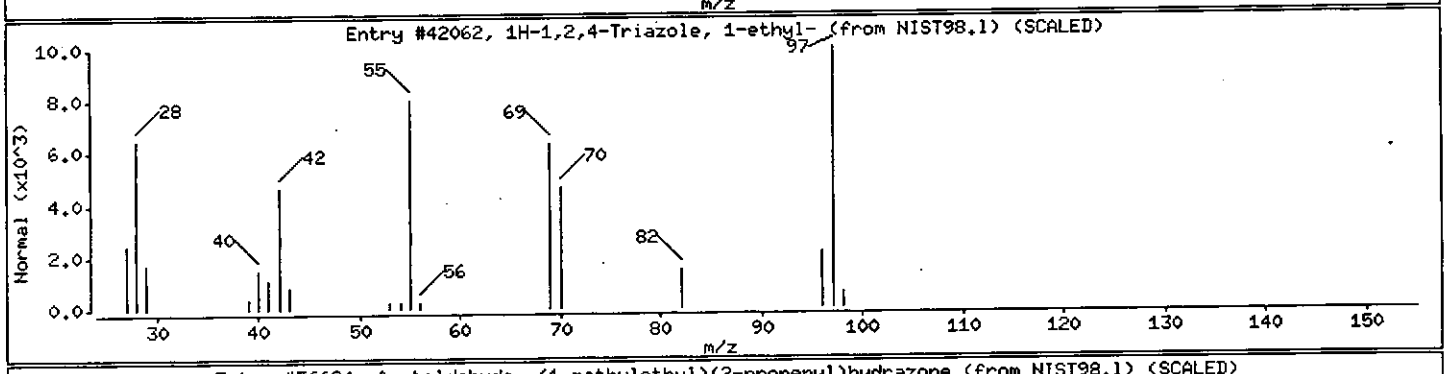
Column phase: J&W DB-5.625

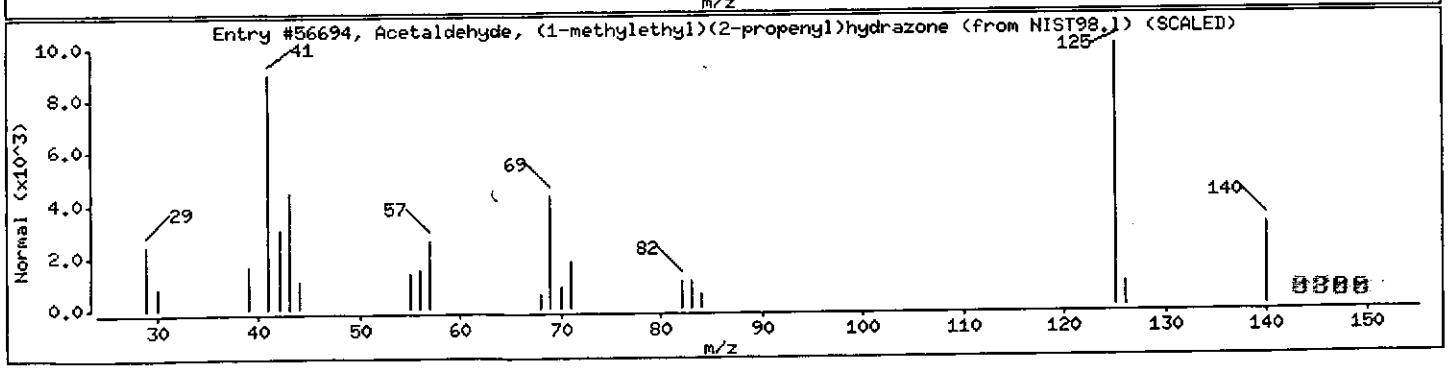
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzenemethanol, 3-fluoro-.alpha.-methyl	402-63-1	NIST98.1	42341	47	C8H9FO	140
1H-1,2,4-Triazole, 1-ethyl-	16778-70-4	NIST98.1	42062	37	C4H7N3	97
Acetaldehyde, (1-methylethyl)(2-propenyl	110213-08-6	NIST98.1	56694	32	C8H16N2	140









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

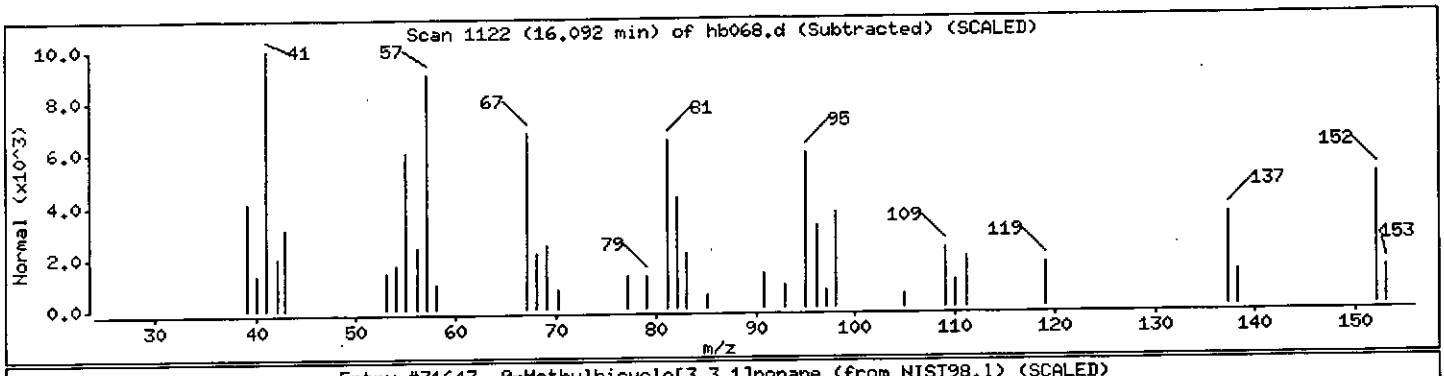
Volume Injected (uL): 2.0

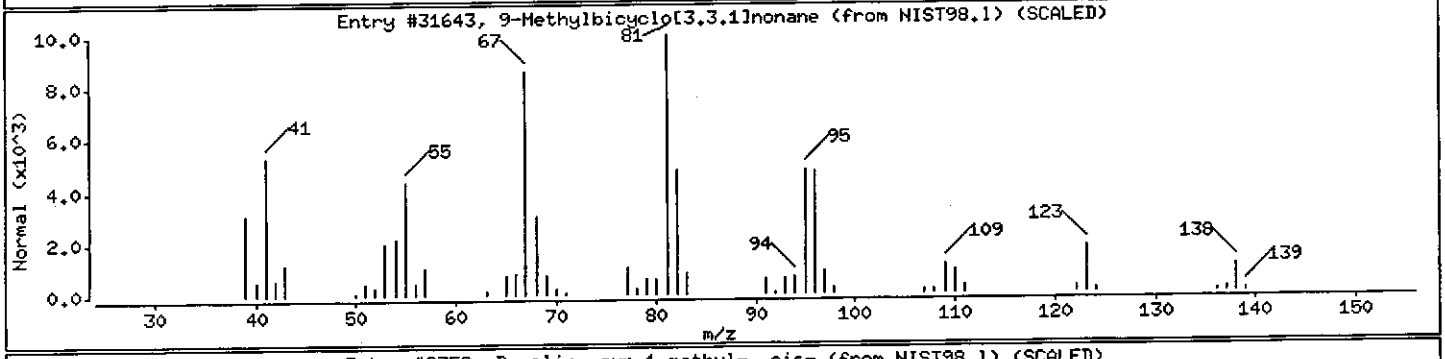
Operator: lmh00956

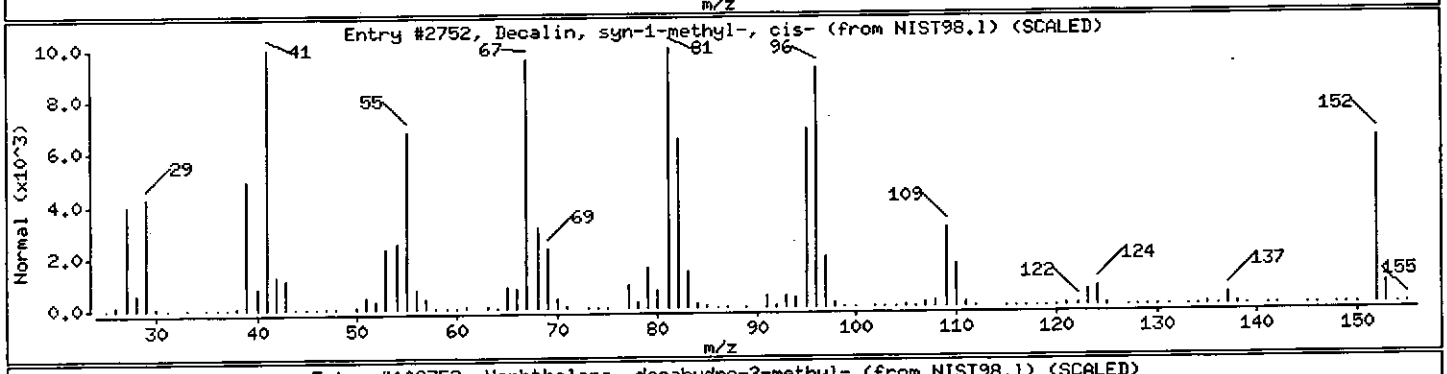
Column phase: J&W DB-5.625

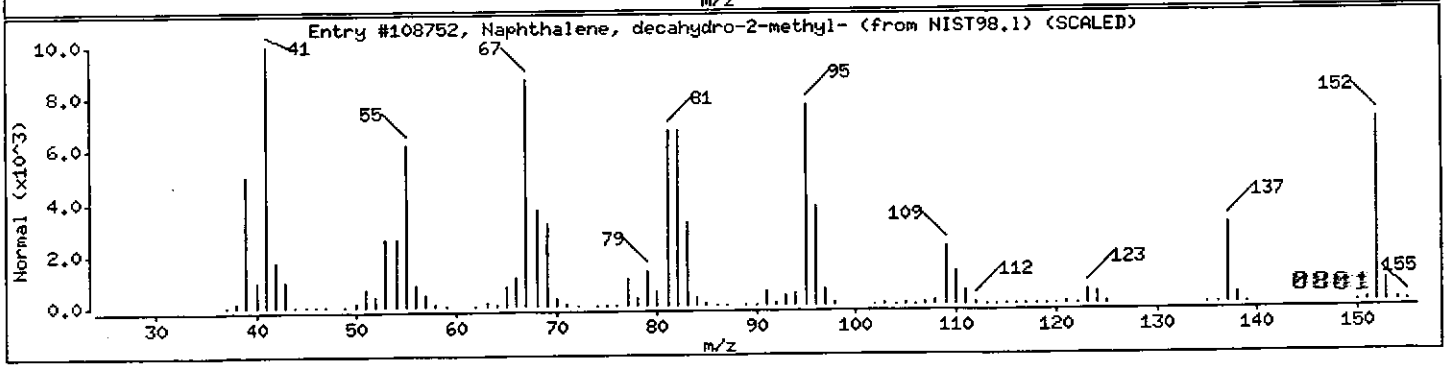
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
9-Methylbicyclo[3.3.1]nonane	25107-01-1	NIST98.1	31643	86	C10H18	138
Decalin, syn-1-methyl-, cis-	1000158-89-1	NIST98.1	2752	86	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.1	108752	76	C11H20	152









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

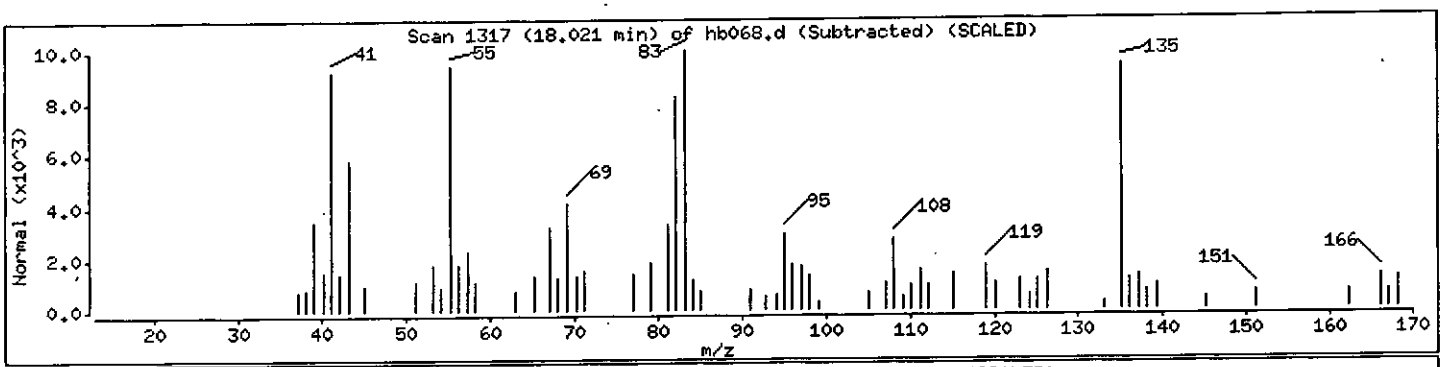
Volume Injected (uL): 2.0

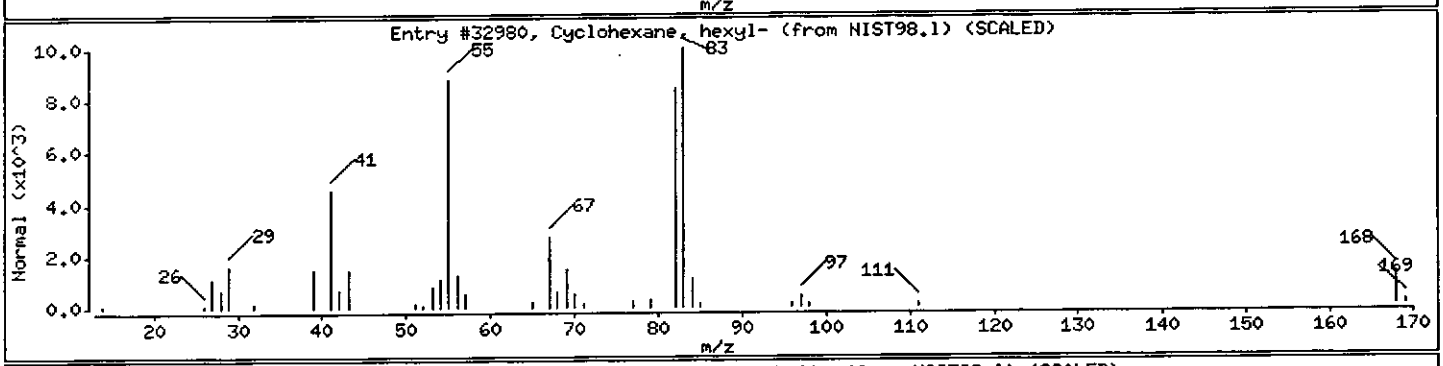
Operator: lmh00956

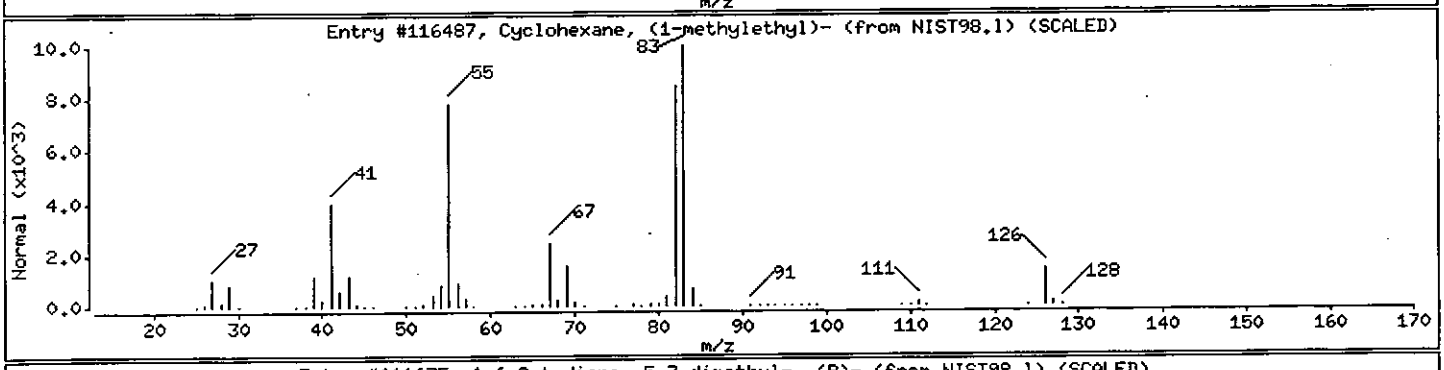
Column phase: J&W DB-5.625

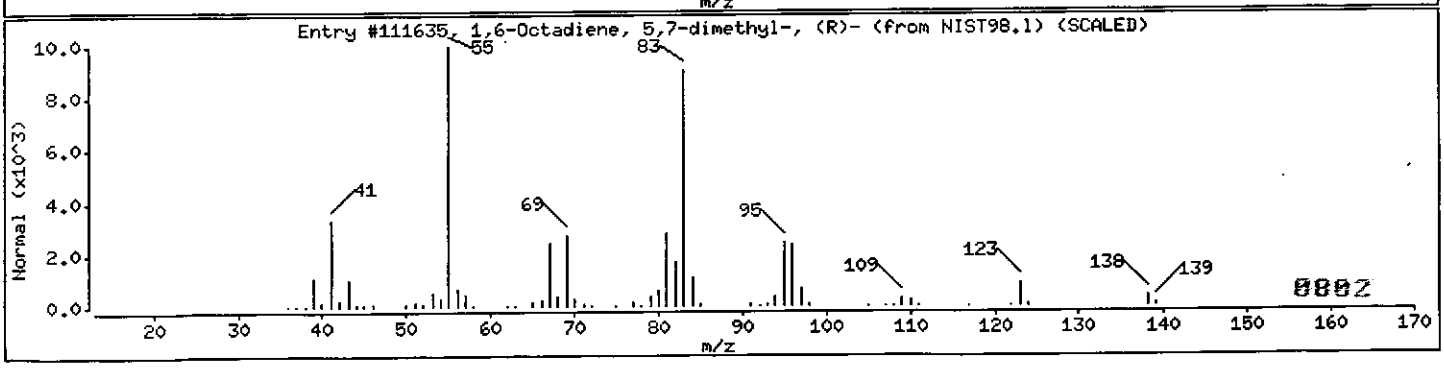
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, hexyl-	4292-75-5	NIST98.1	32980	43	C12H24	168
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	116487	41	C9H18	126
1,6-Octadiene, 5,7-dimethyl-, (R)-	85006-04-8	NIST98.1	111635	35	C10H18	138









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Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

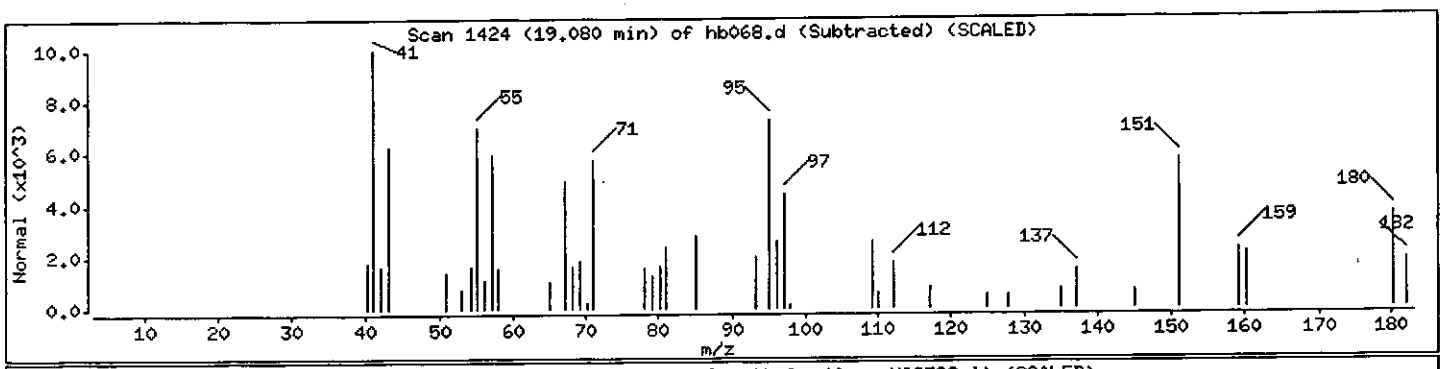
Volume Injected (uL): 2.0

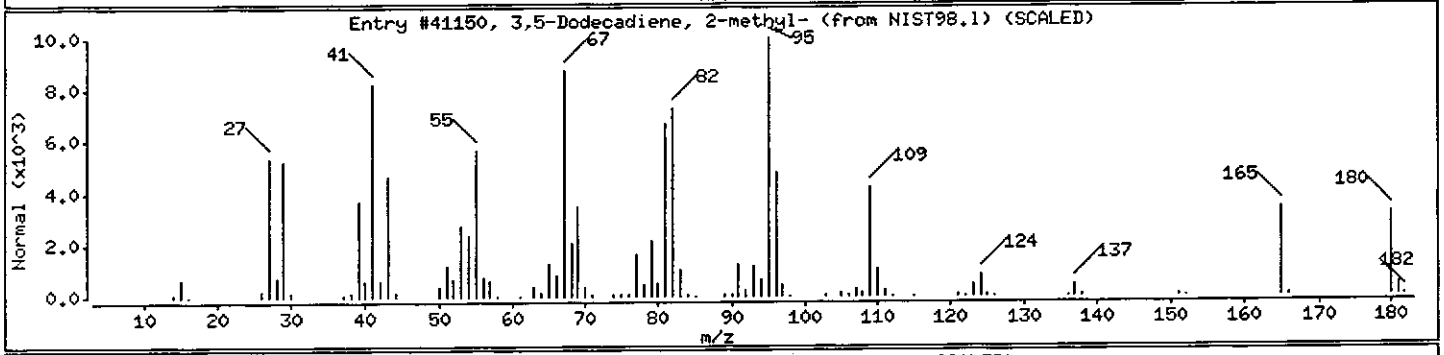
Operator: lmh00956

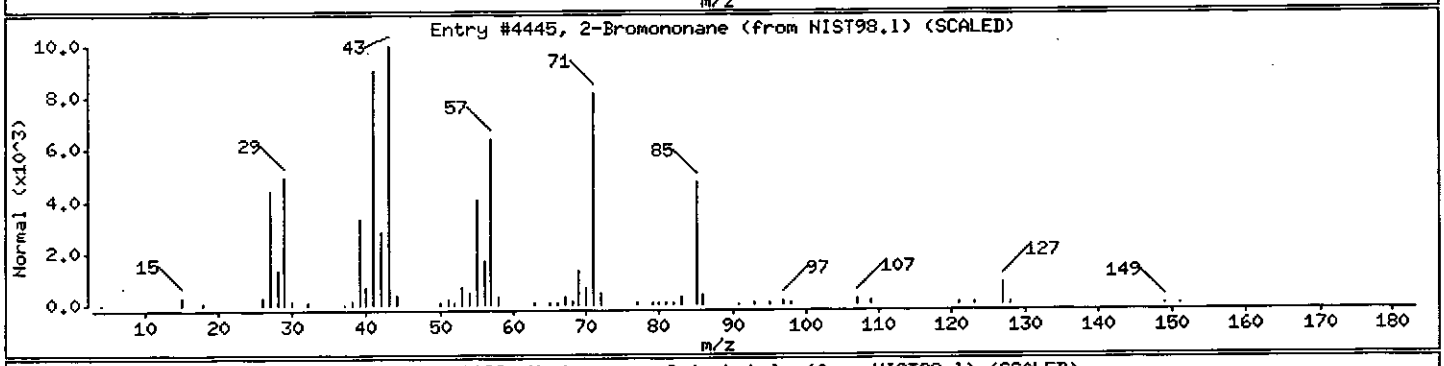
Column phase: J&W DB-5.625

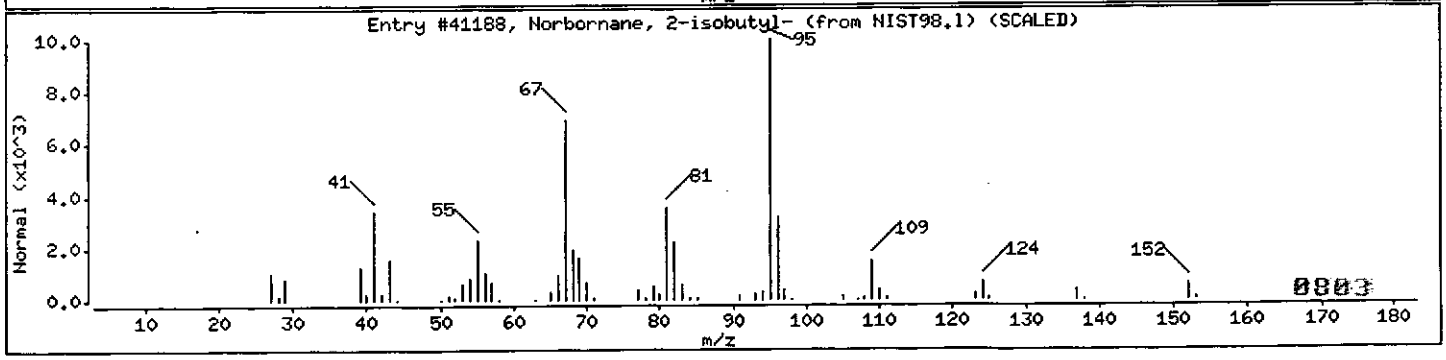
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3,5-Dodecadiene, 2-methyl-	55638-51-2	NIST98.1	41150	14	C13H24	180
2-Bromononane	2216-35-5	NIST98.1	4445	10	C9H19Br	206
Norbornane, 2-isobutyl-	18127-14-5	NIST98.1	41188	10	C11H20	152









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

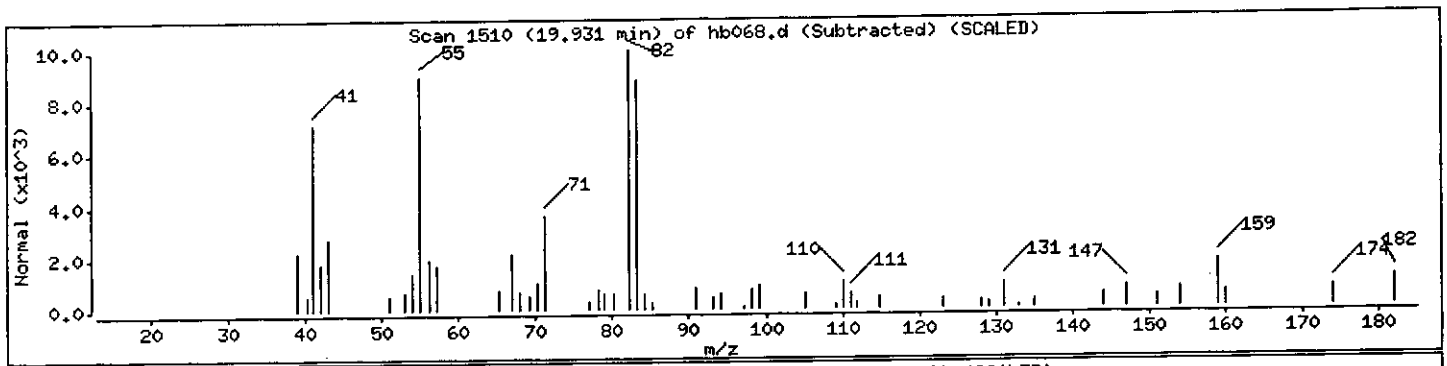
Volume Injected (uL): 2.0

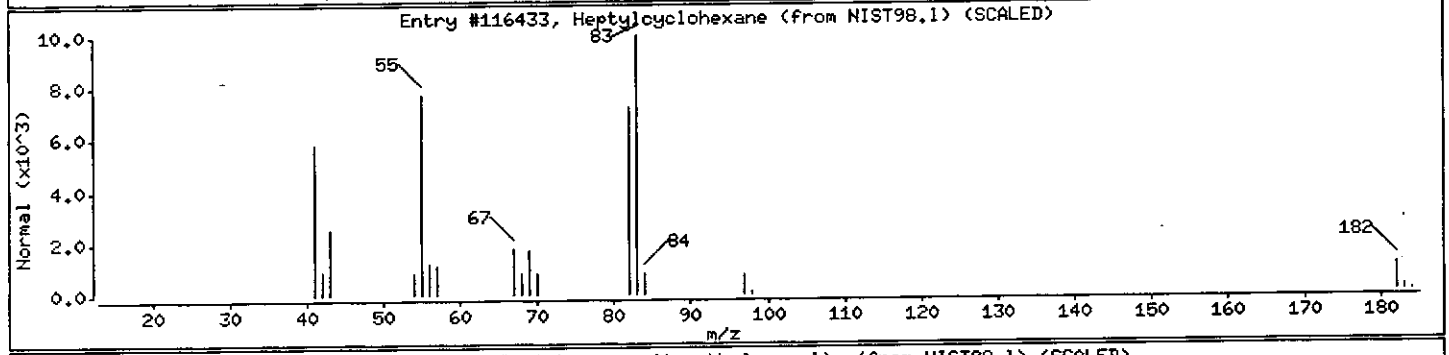
Operator: lmh00956

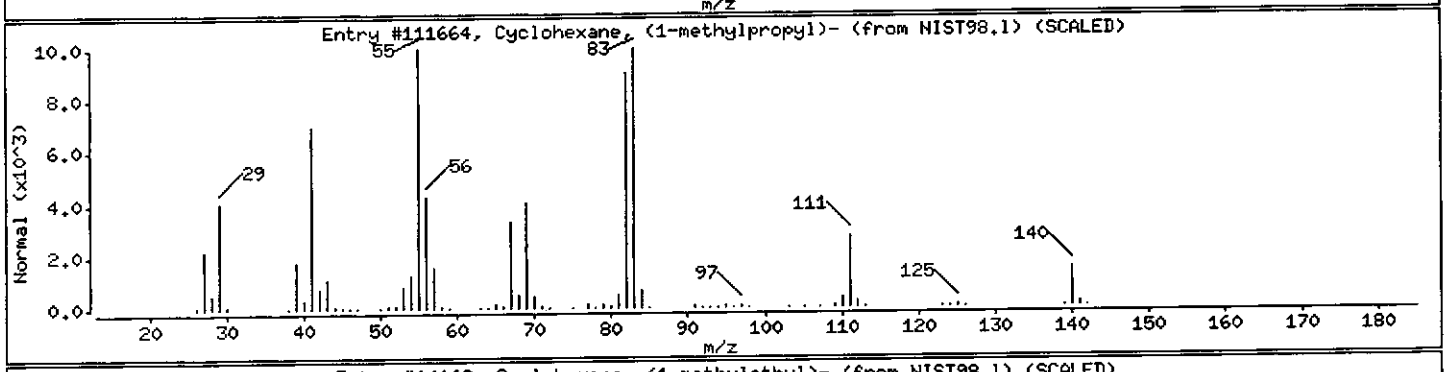
Column phase: J&W DB-5.625

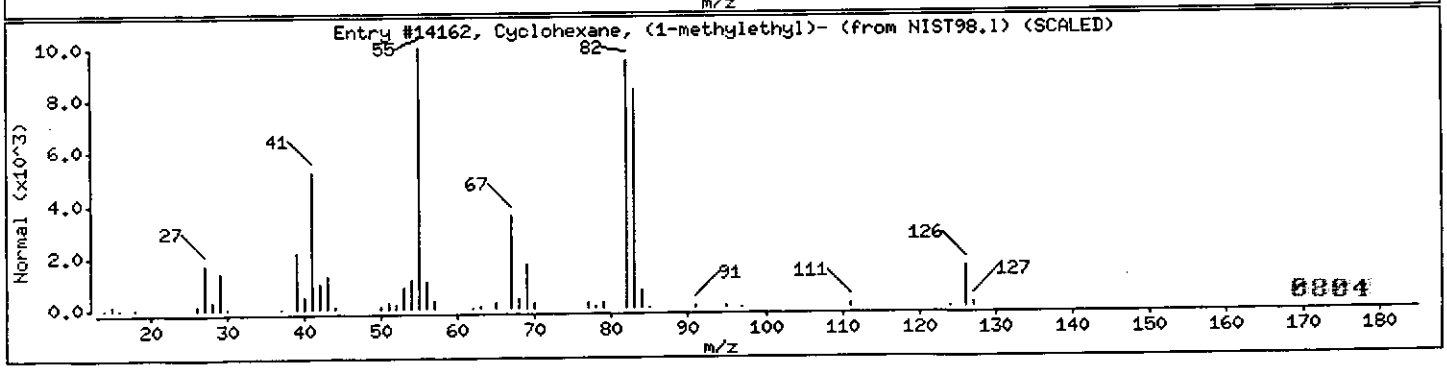
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptylcyclohexane	5617-41-4	NIST98.1	116433	58	C13H26	182
Cyclohexane, (1-methylpropyl)-	7058-01-7	NIST98.1	111664	50	C10H20	140
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	14162	50	C9H18	126









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Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

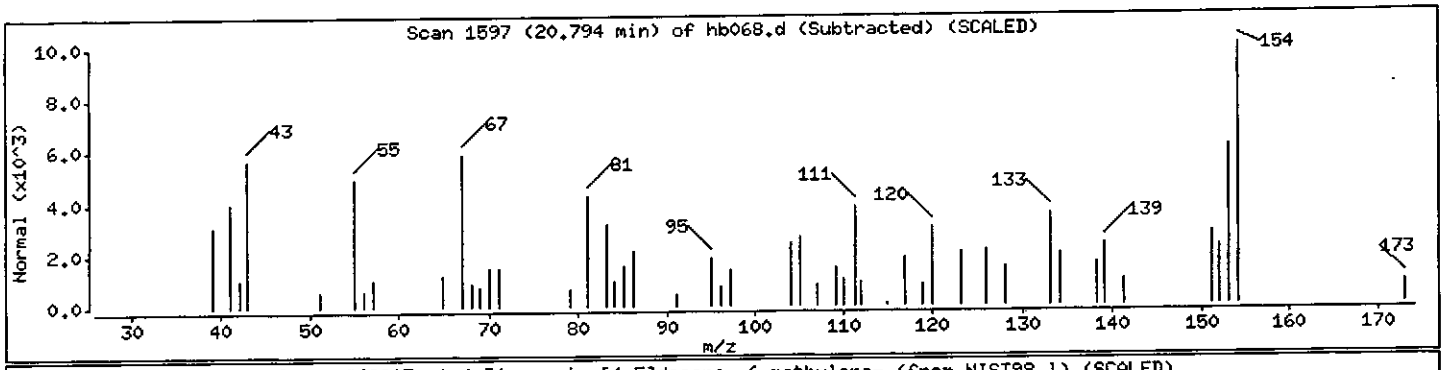
Volume Injected (uL): 2.0

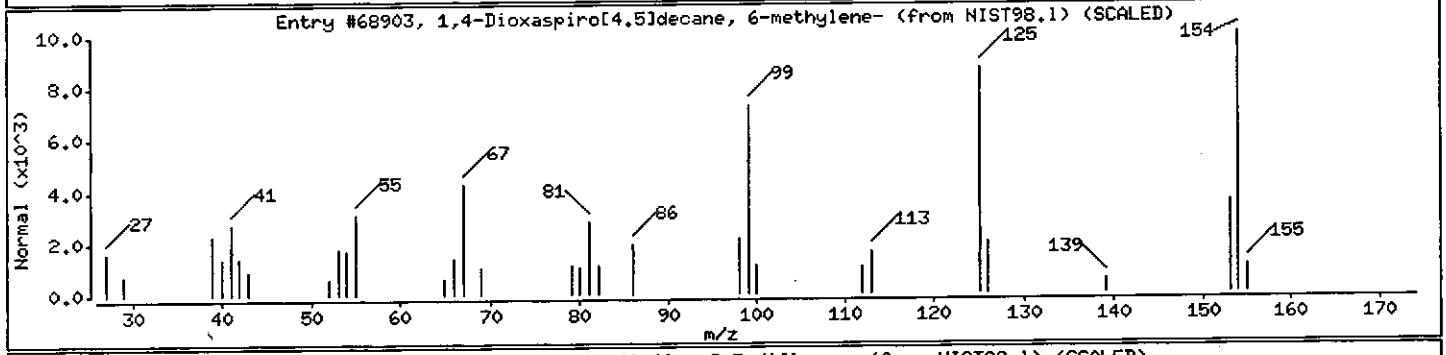
Operator: lmh00956

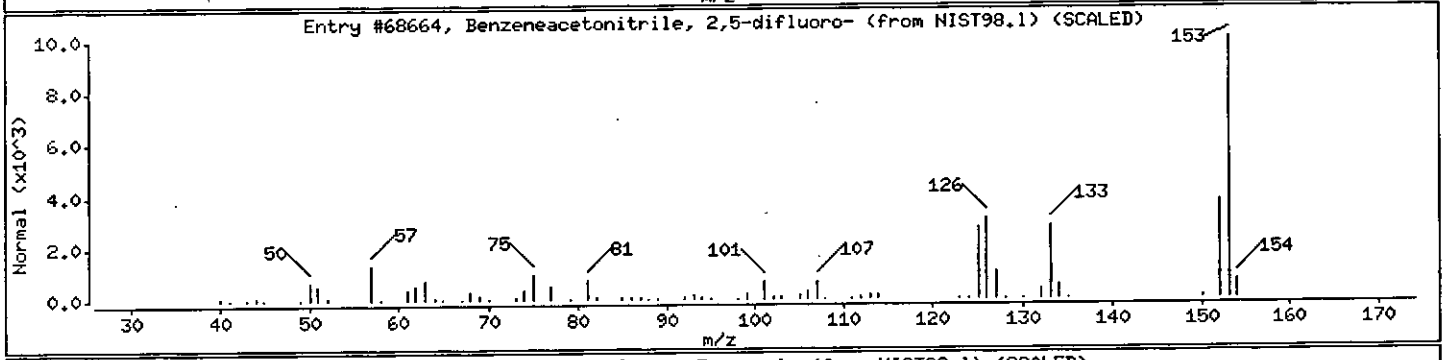
Column phase: J&W DB-5.625

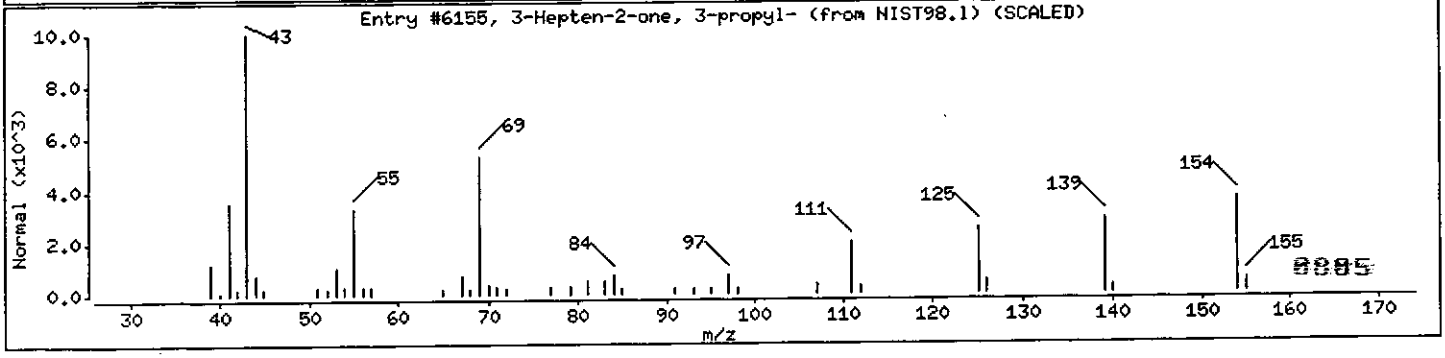
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,4-Dioxaspiro[4.5]decane, 6-methylene-	23153-81-3	NIST98.1	68903	35	C9H14O2	154
Benzeneacetonitrile, 2,5-difluoro-	69584-87-8	NIST98.1	68664	22	C8H5F2N	153
3-Hepten-2-one, 3-propyl-	32064-69-0	NIST98.1	6155	14	C10H18O	154









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

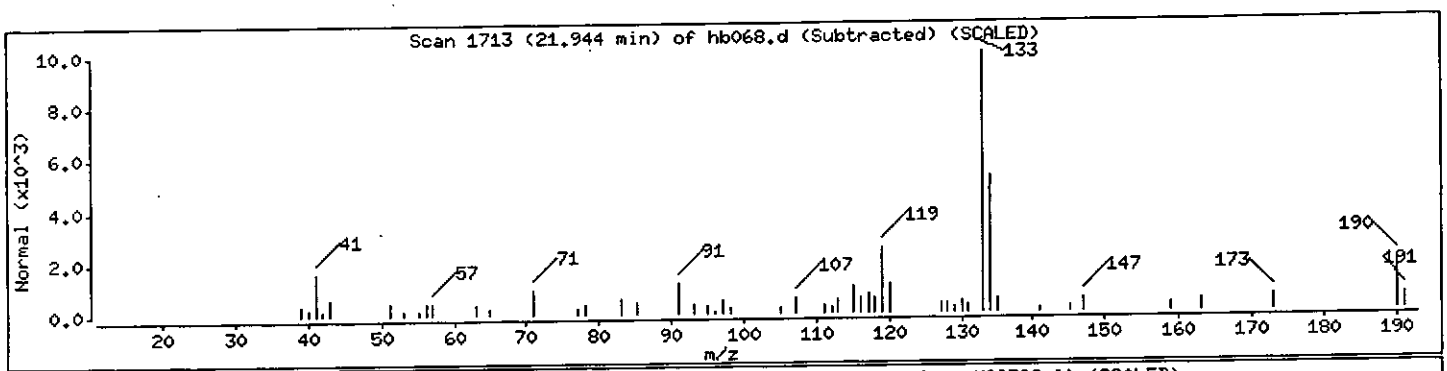
Volume Injected (uL): 2.0

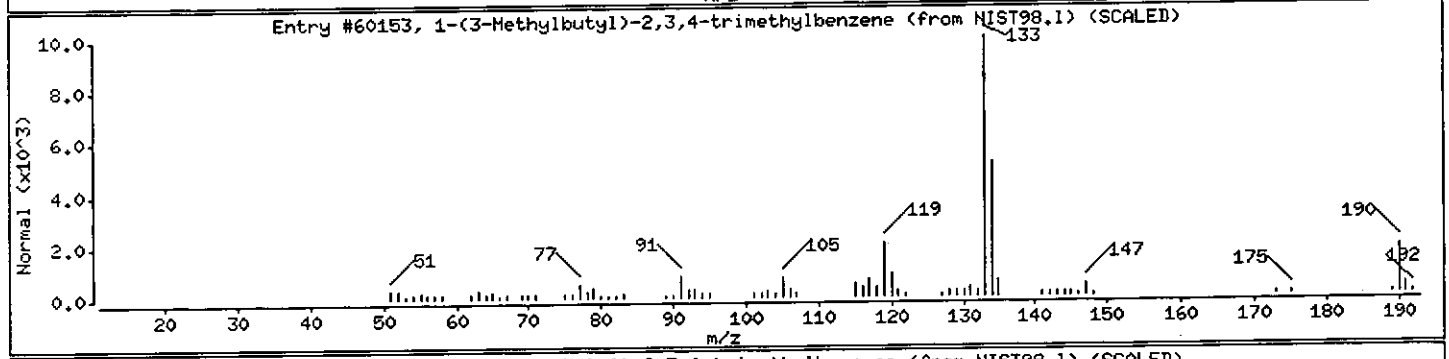
Operator: lmh00956

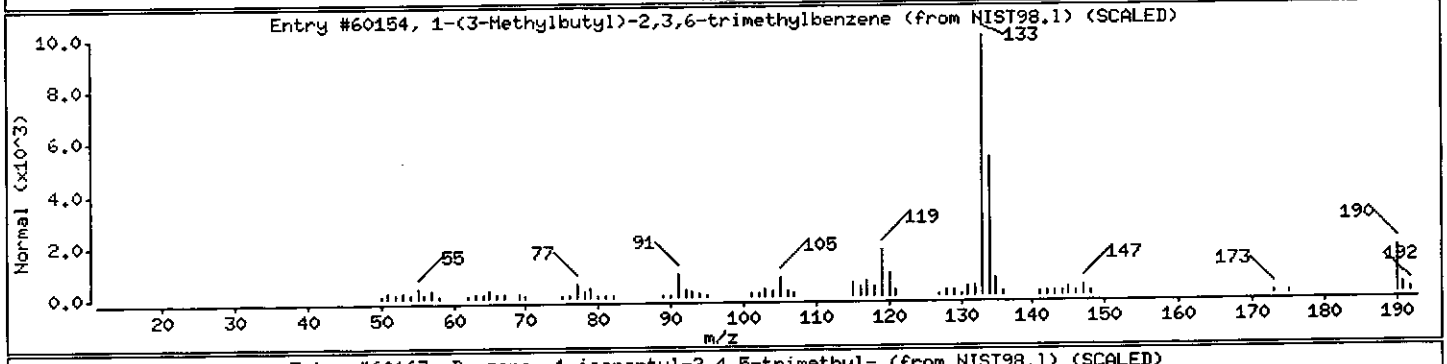
Column phase: J&W DB-5.625

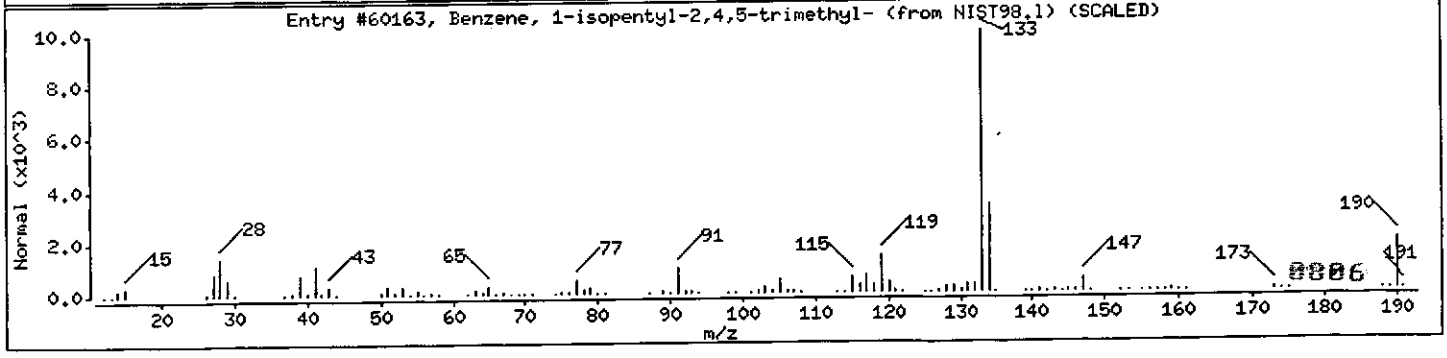
Column diameter: 0.25

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	93	C14H22	190
1-(3-Methylbutyl)-2,3,6-trimethylbenzene	1000245-50-6	NIST98.1	60154	90	C14H22	190
Benzene, 1-isopentyl-2,4,5-trimethyl-	10425-90-8	NIST98.1	60163	58	C14H22	190









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

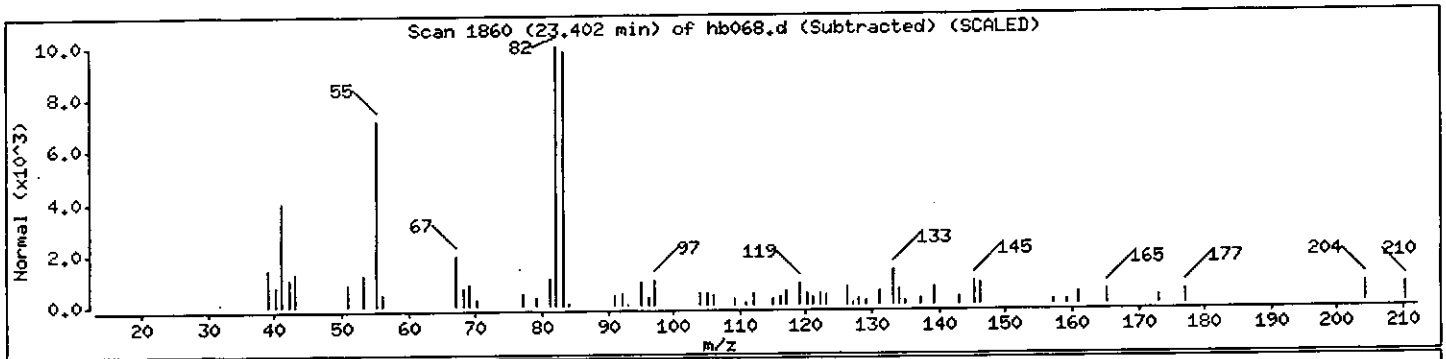
Volume Injected (uL): 2.0

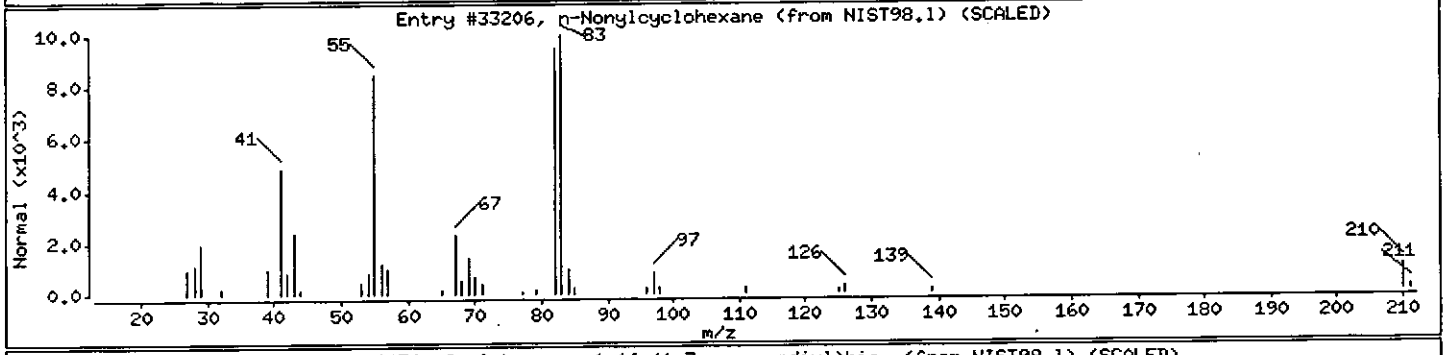
Operator: lmh00956

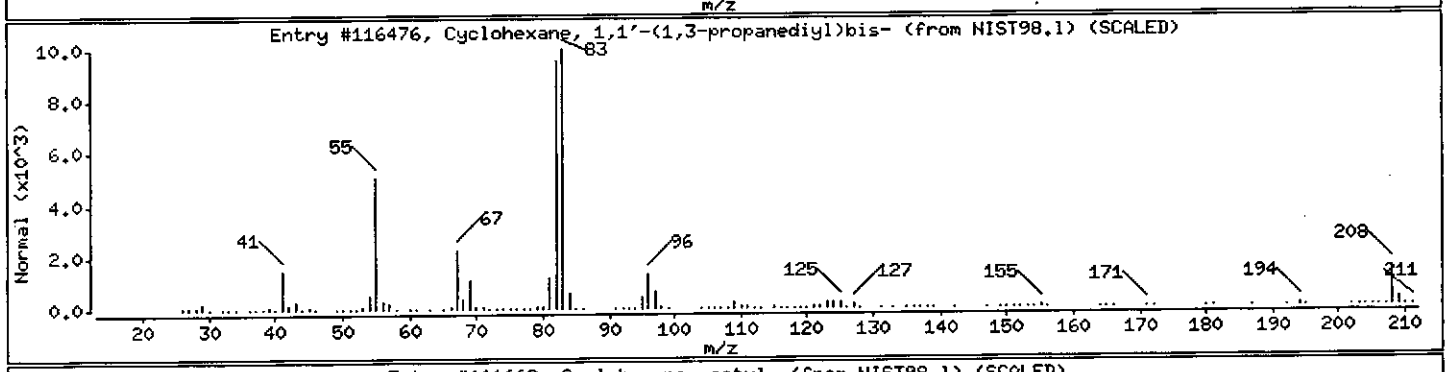
Column phase: J&W DB-5.625

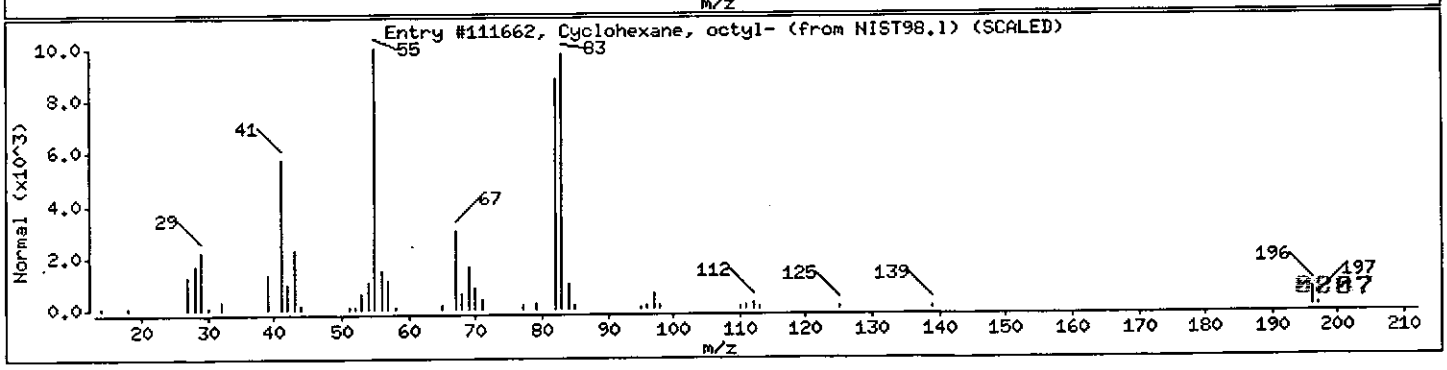
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Nonylcyclohexane	2883-02-5	NIST98.1	33206	72	C15H30	210
Cyclohexane, 1,1'-(1,3-propanediyl)bis-	3178-24-3	NIST98.1	116476	64	C15H28	208
Cyclohexane, octyl-	1795-15-9	NIST98.1	111662	50	C14H28	196









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

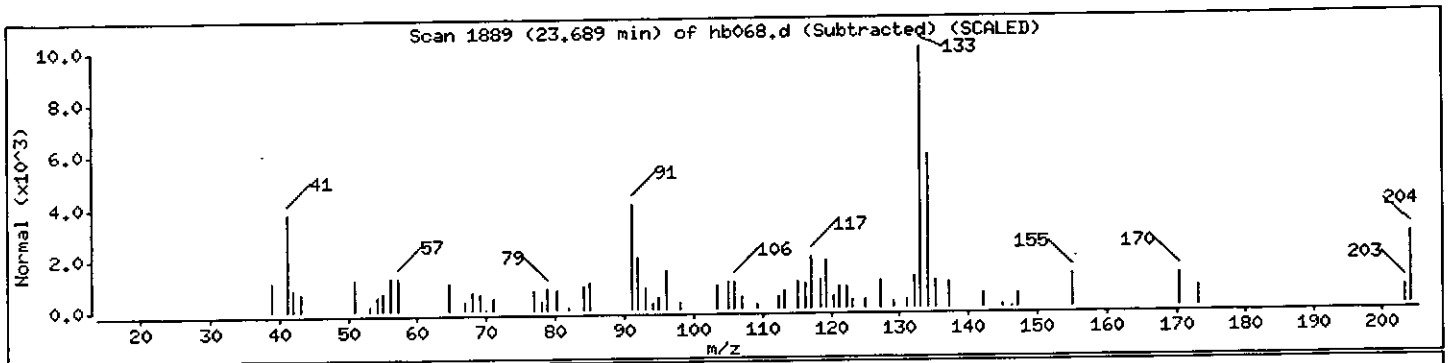
Volume Injected (uL): 2.0

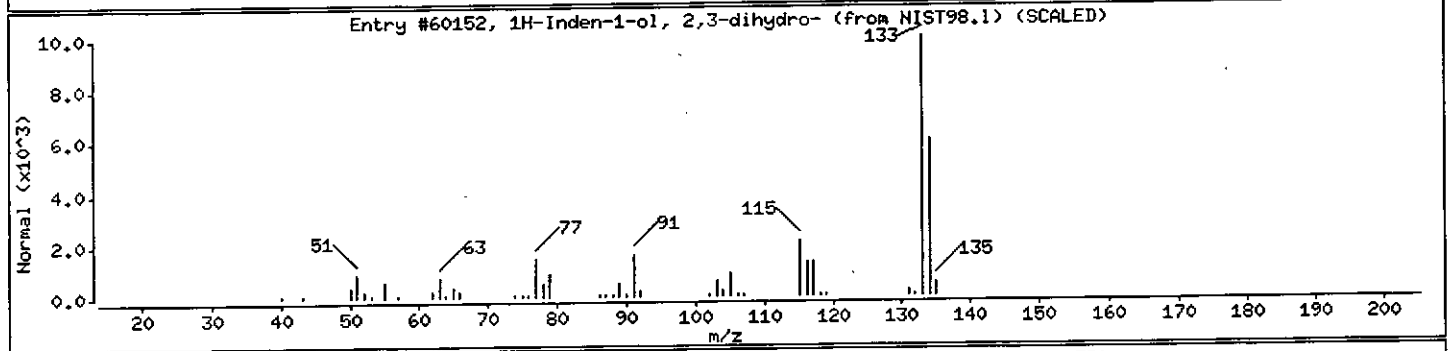
Operator: lmh00956

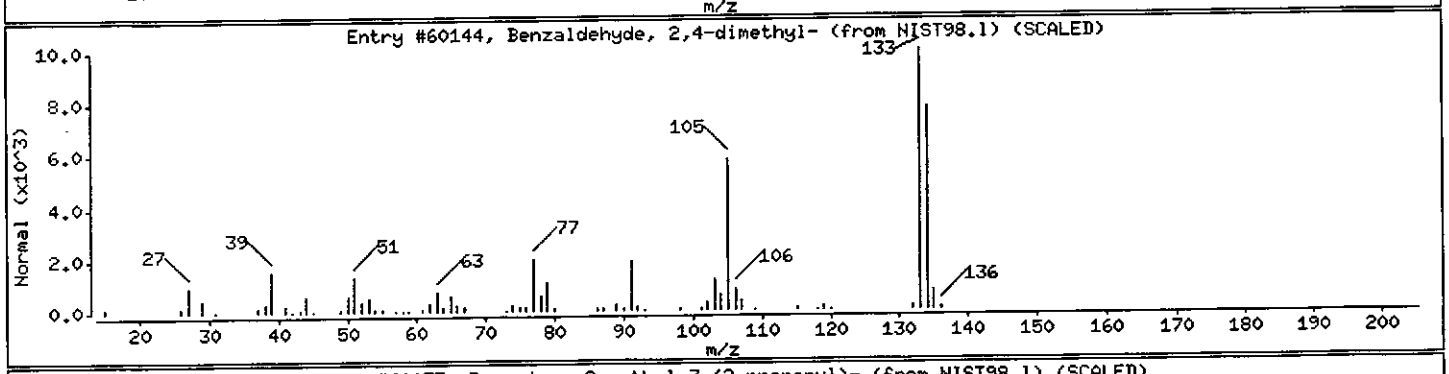
Column phase: J&W DB-5.625

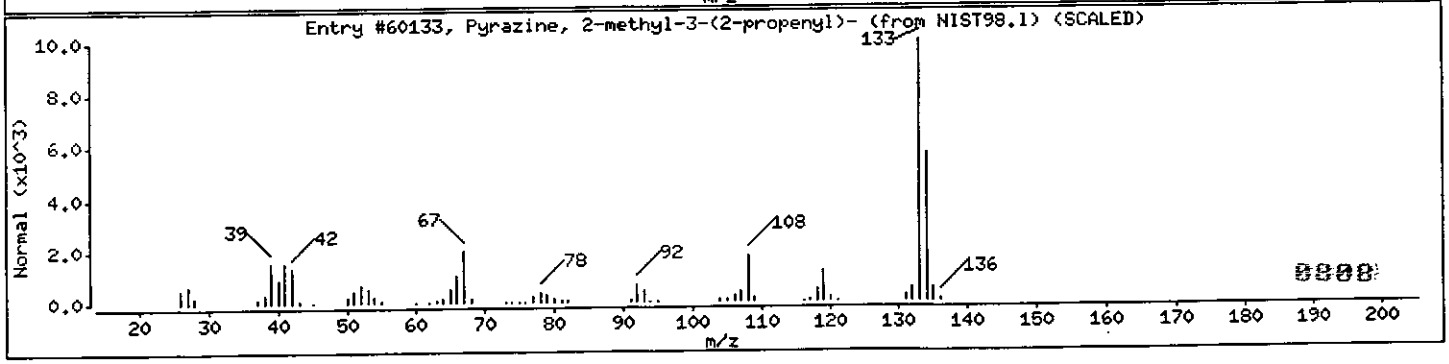
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Inden-1-ol, 2,3-dihydro-	6351-10-6	NIST98.1	60152	49	C9H10O	134
Benzaldehyde, 2,4-dimethyl-	15764-16-6	NIST98.1	60144	49	C9H10O	134
Pyrazine, 2-methyl-3-(2-propenyl)-	55138-62-0	NIST98.1	60133	47	C8H10N2	134









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

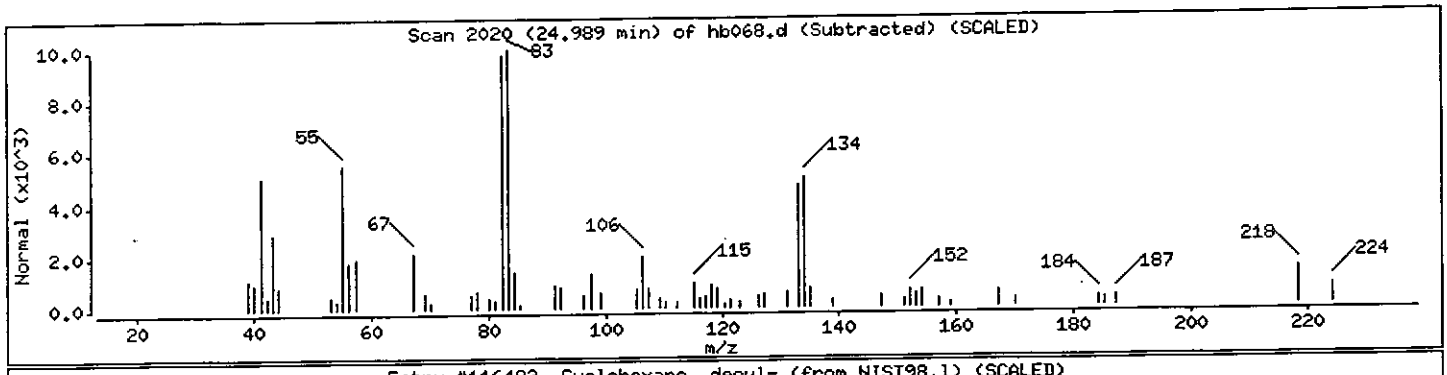
Volume Injected (uL): 2.0

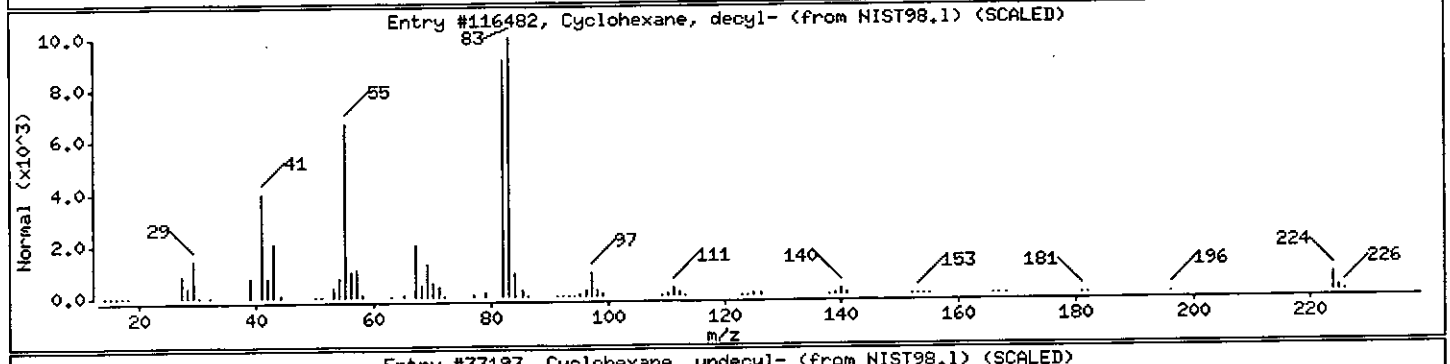
Operator: lmh00956

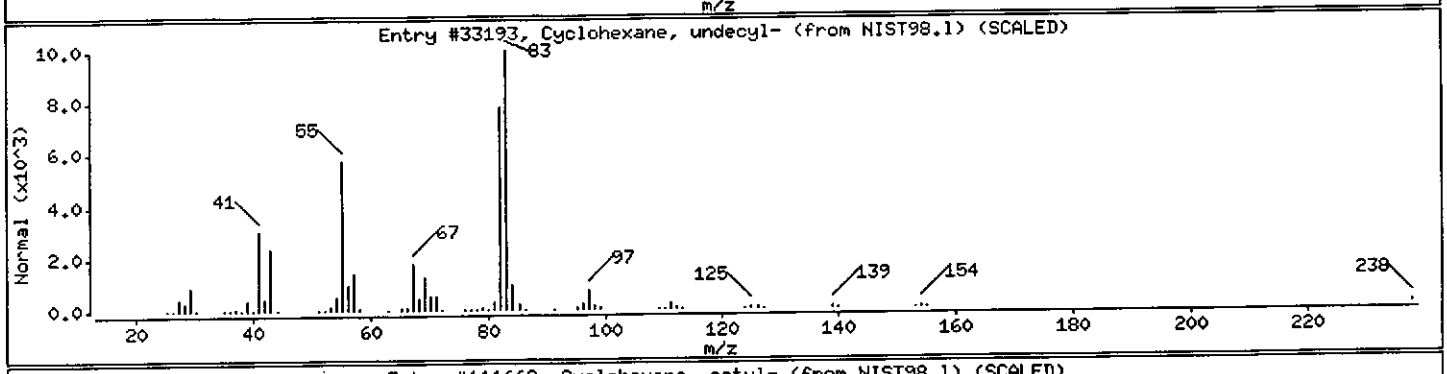
Column phase: J&W DB-5.625

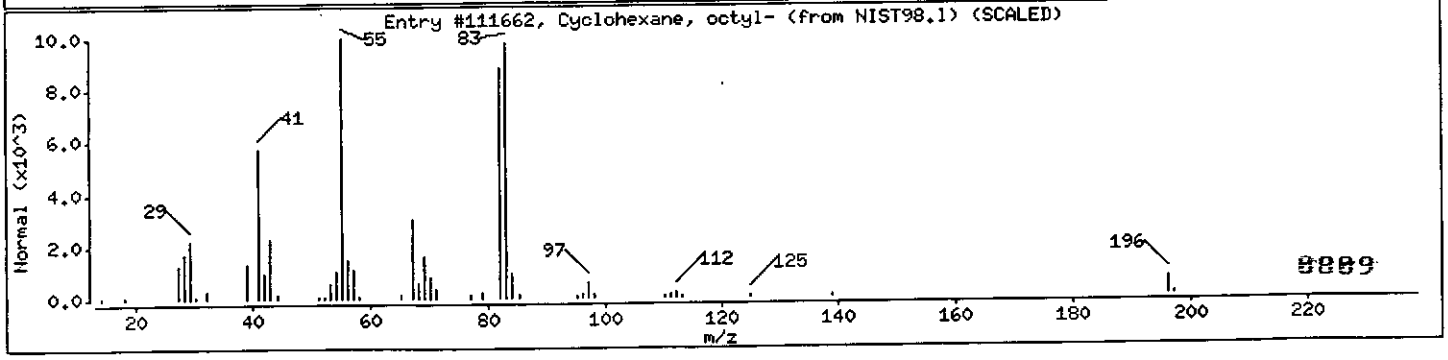
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, decyl-	1795-16-0	NIST98.1	116482	53	C16H32	224
Cyclohexane, undecyl-	54105-66-7	NIST98.1	33193	47	C17H34	238
Cyclohexane, octyl-	1795-15-9	NIST98.1	111662	47	C14H28	196









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

Volume Injected (uL): 2.0

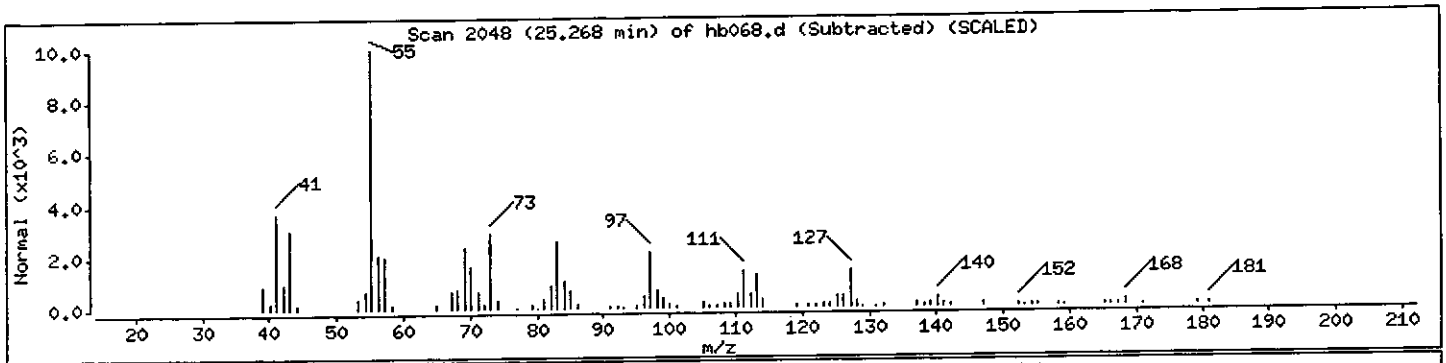
Operator: lmh00956

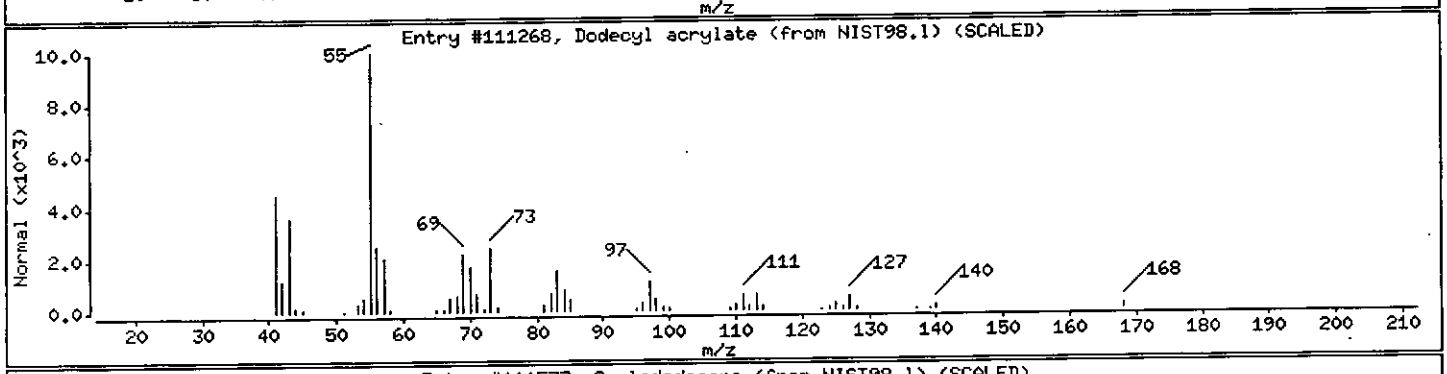
Column phase: J&W DB-5.625

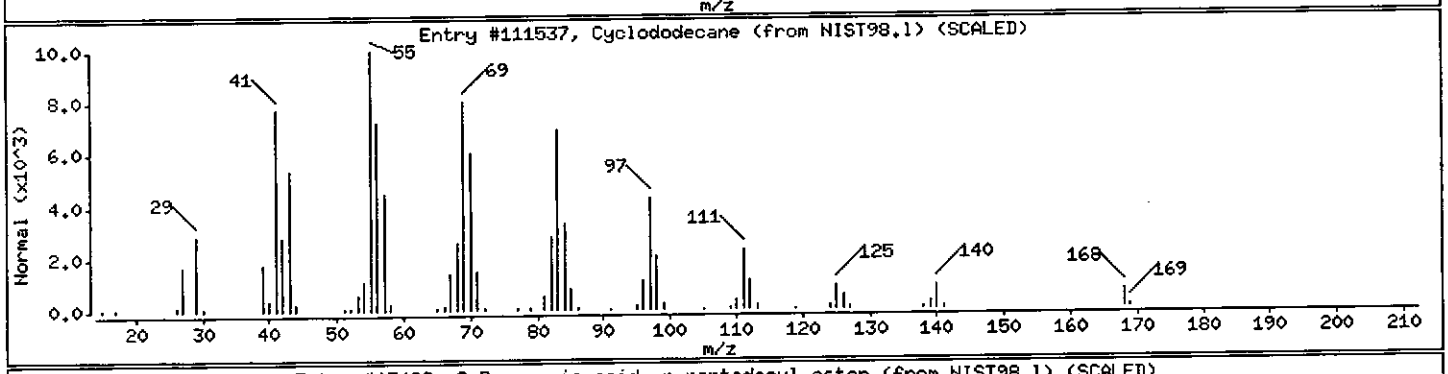
Column diameter: 0.25

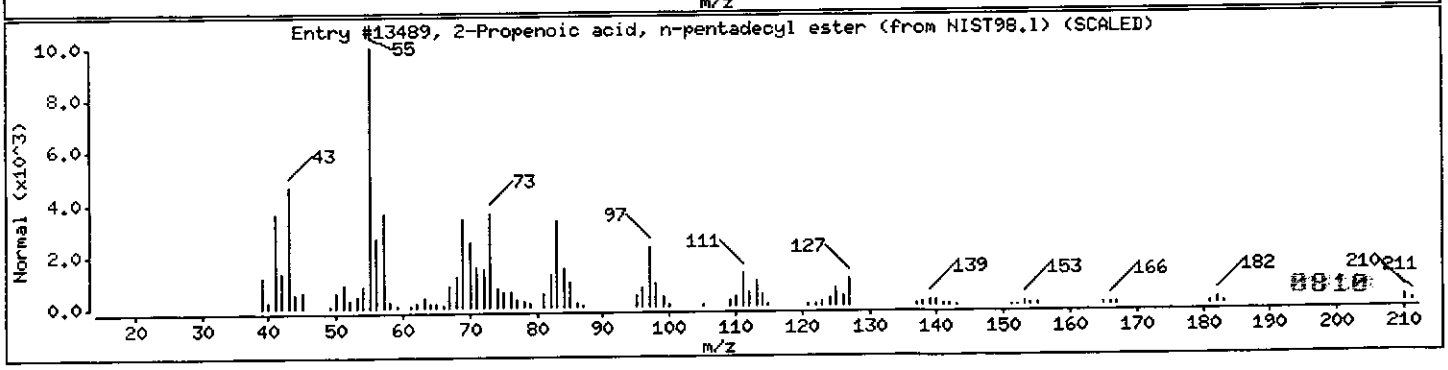
(B) Lmn198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Dodecyl acrylate	2156-97-0	NIST98.1	111268	91	C15H2802	240
Cyclododecane	294-62-2	NIST98.1	111537	83	C12H24	168
2-Propenoic acid, n-pentadecyl ester	1000245-64-0	NIST98.1	13489	64	C18H3402	282









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

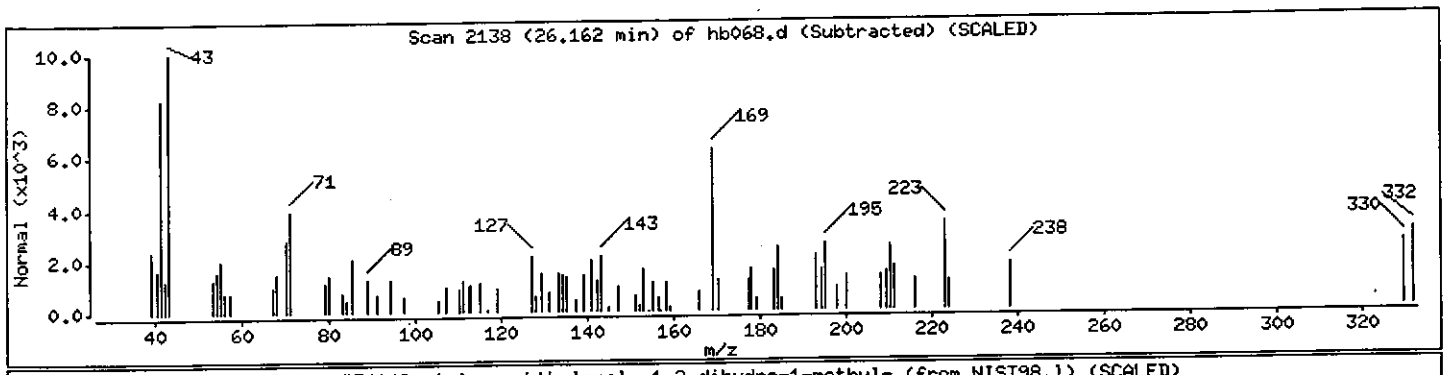
Volume Injected (uL): 2.0

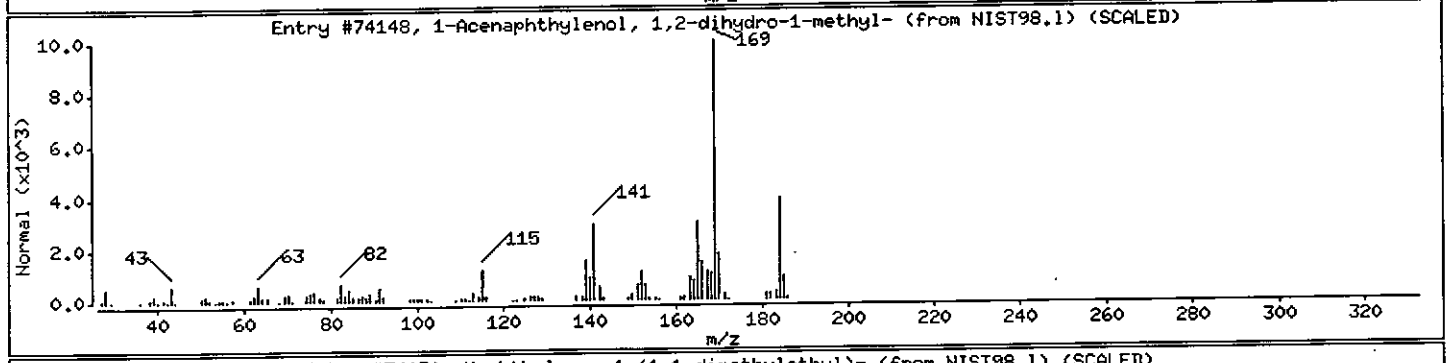
Operator: lmh00956

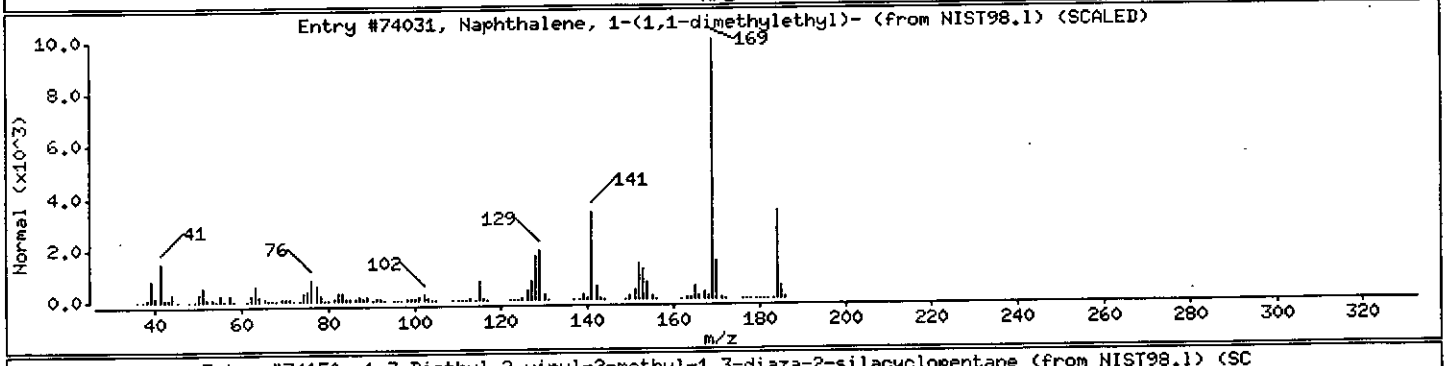
Column phase: J&W DB-5.625

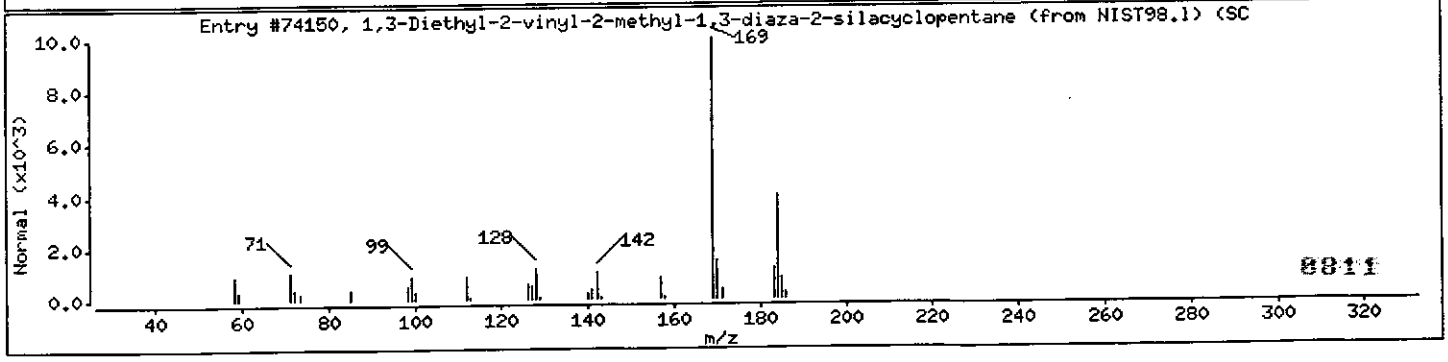
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Acenaphthylenol, 1,2-dihydro-1-methyl-	41002-74-8	NIST98.1	74148	35	C13H12O	184
Naphthalene, 1-(1,1-dimethylethyl)-	17085-91-5	NIST98.1	74031	18	C14H16	184
1,3-Diethyl-2-vinyl-2-methyl-1,3-diaza-2	51169-45-0	NIST98.1	74150	18	C9H20N2Si	184









0811

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

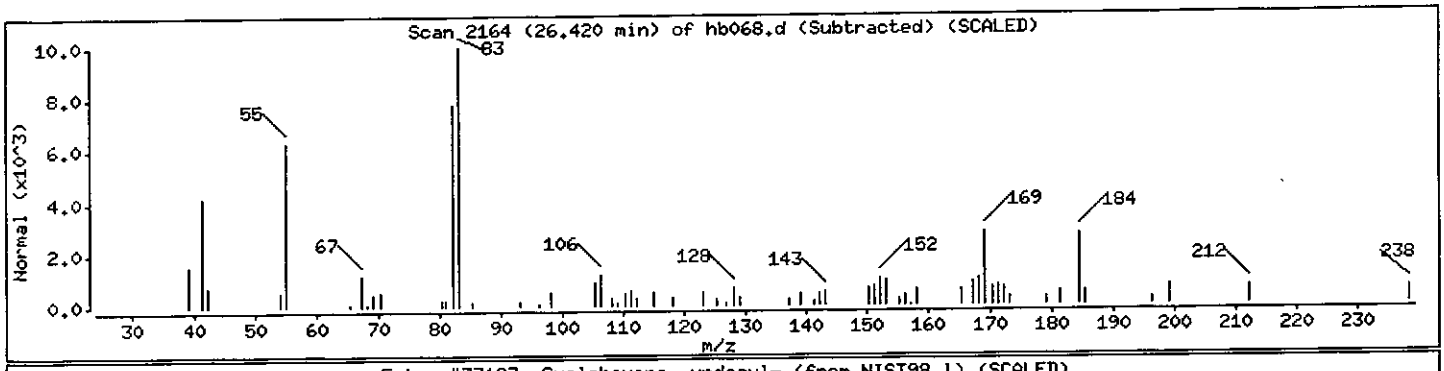
Volume Injected (uL): 2.0

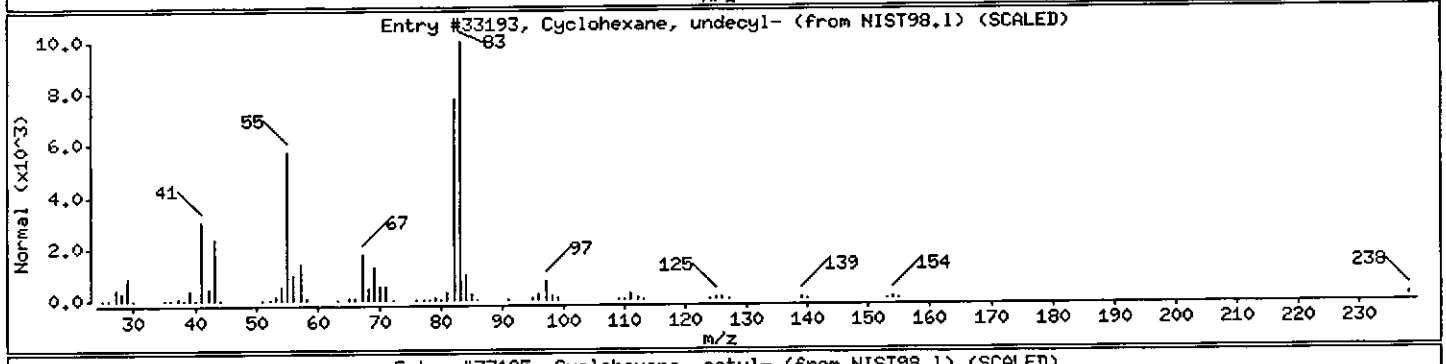
Operator: lmh00956

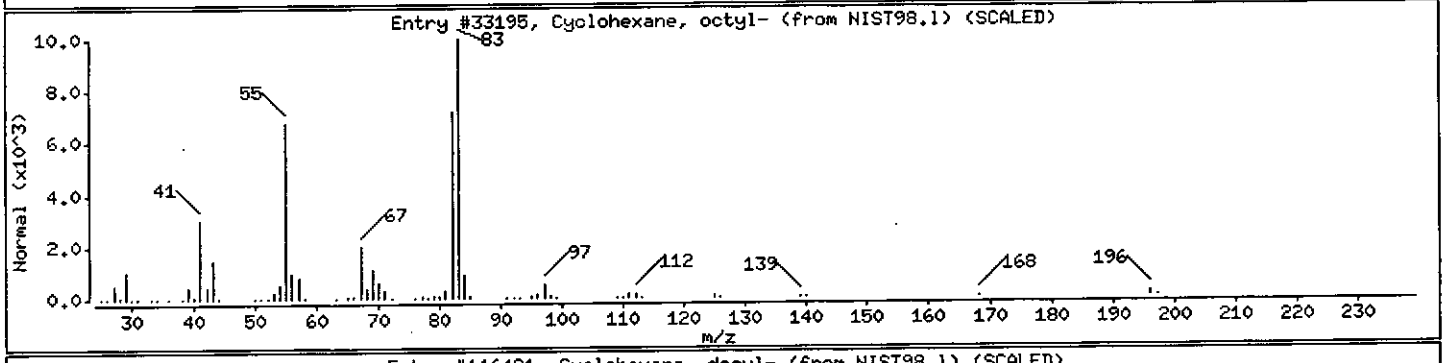
Column phase: J&W DB-5.625

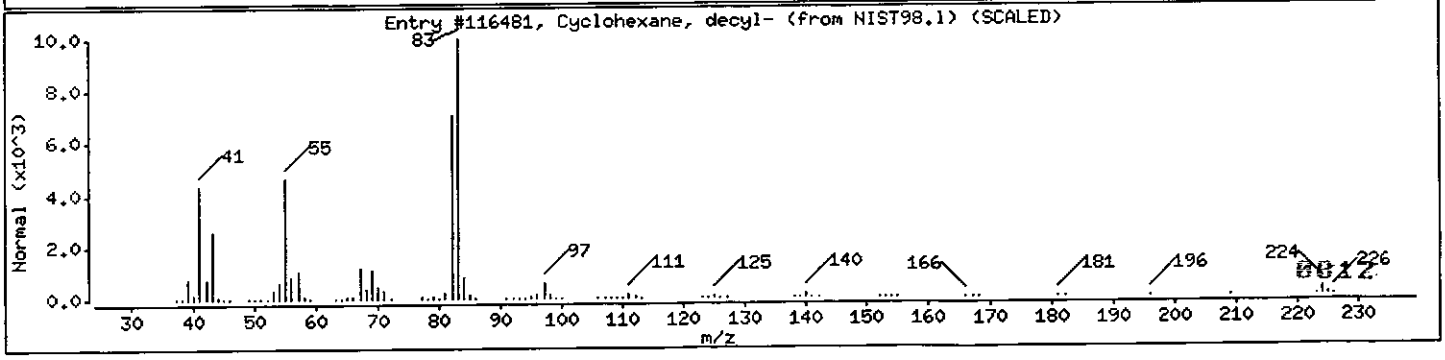
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, undecyl-	54105-66-7	NIST98.1	33193	53	C17H34	238
Cyclohexane, octyl-	1795-15-9	NIST98.1	33195	50	C14H28	196
Cyclohexane, decyl-	1795-16-0	NIST98.1	116481	40	C16H32	224









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

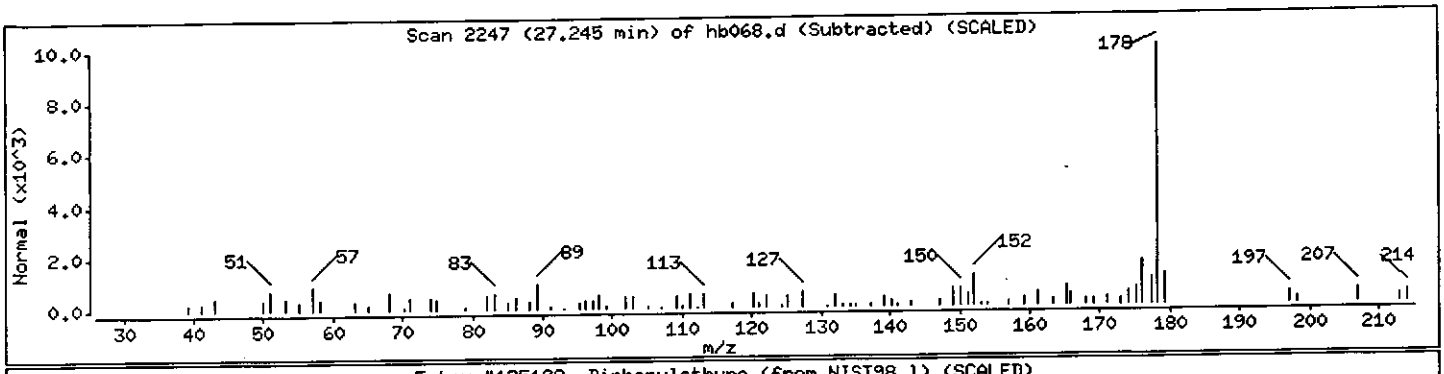
Volume Injected (uL): 2.0

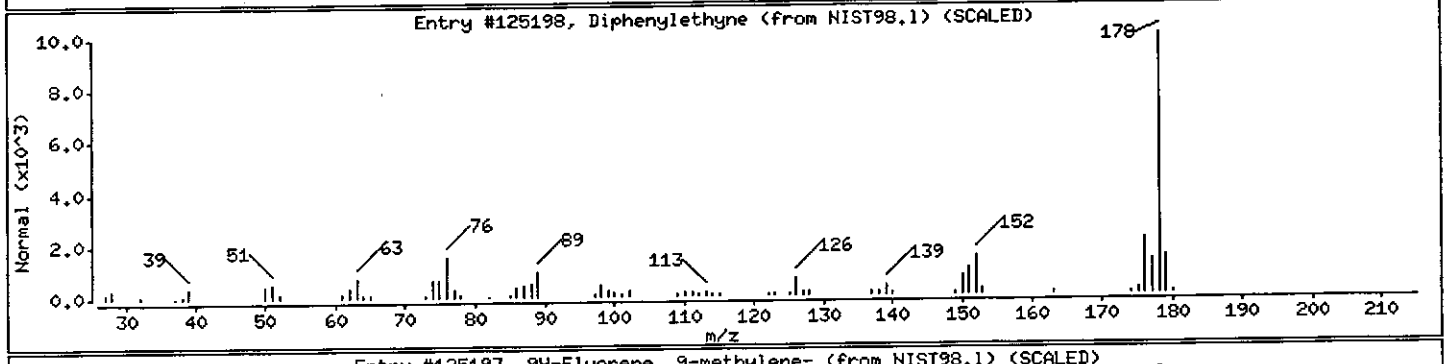
Operator: lmh00956

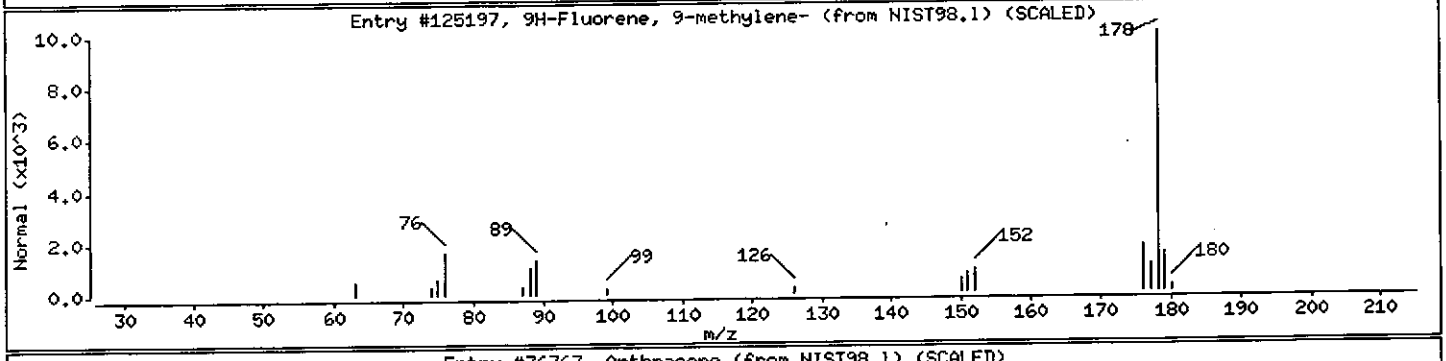
Column phase: J&W DB-5.625

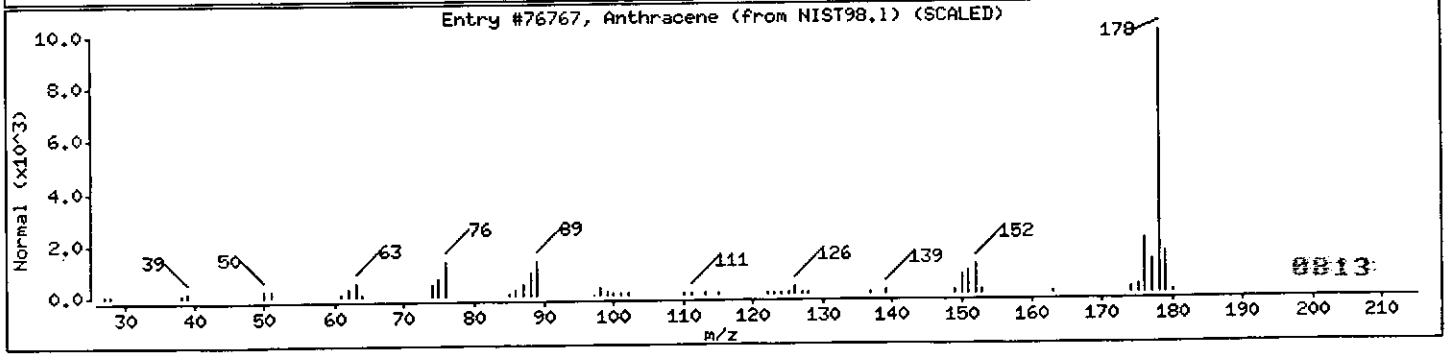
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Diphenylethyne	501-65-5	NIST98.1	125198	74	C14H10	178
9H-Fluorene, 9-methylene-	4425-82-5	NIST98.1	125197	64	C14H10	178
Anthracene	120-12-7	NIST98.1	76767	64	C14H10	178









0813

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

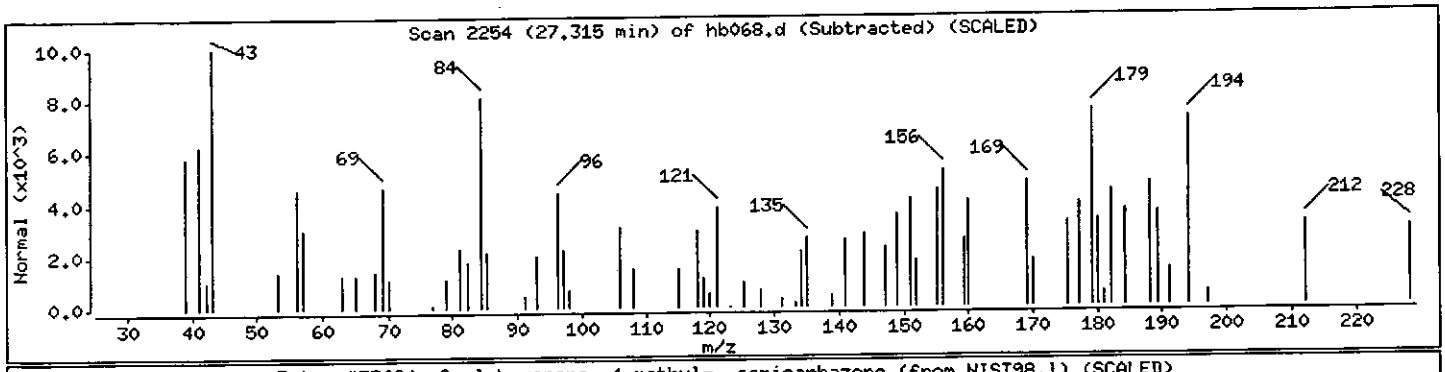
Volume Injected (uL): 2.0

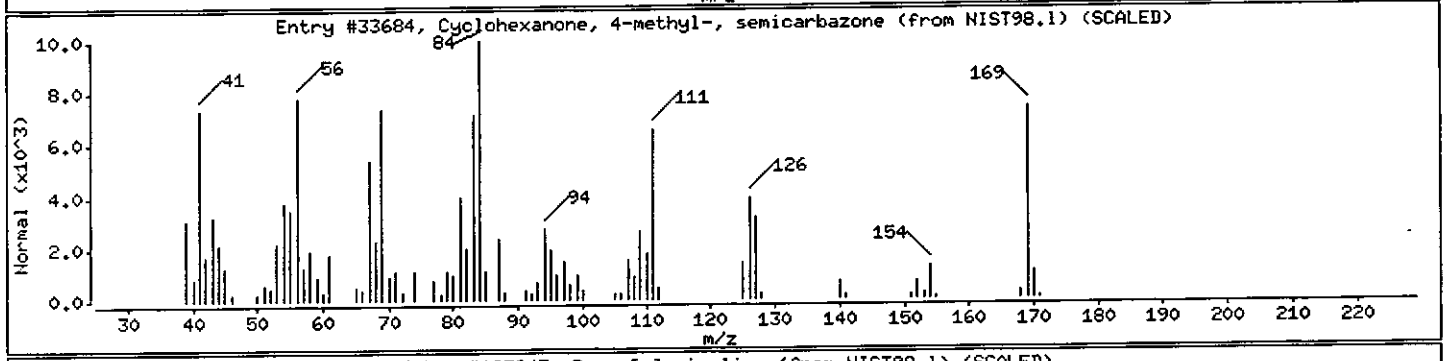
Operator: lmh00956

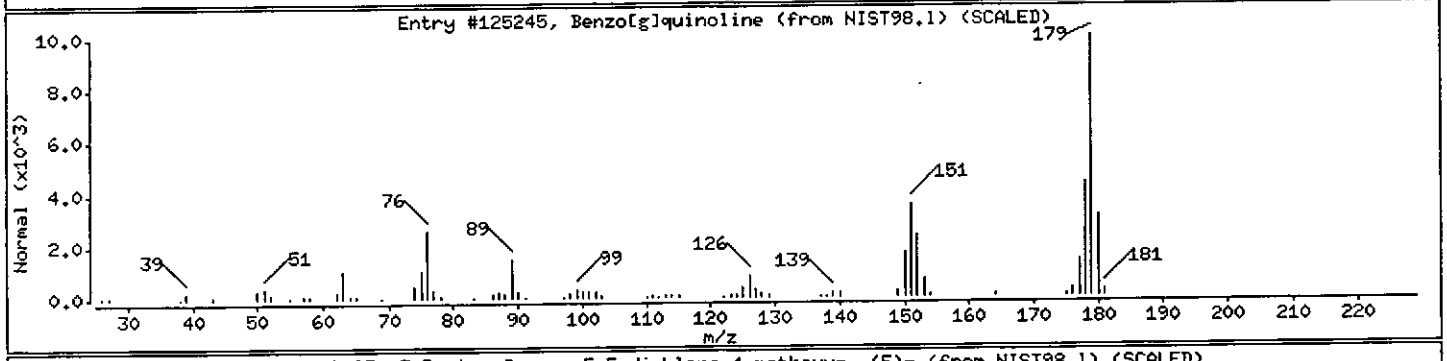
Column phase: J&W DB-5.625

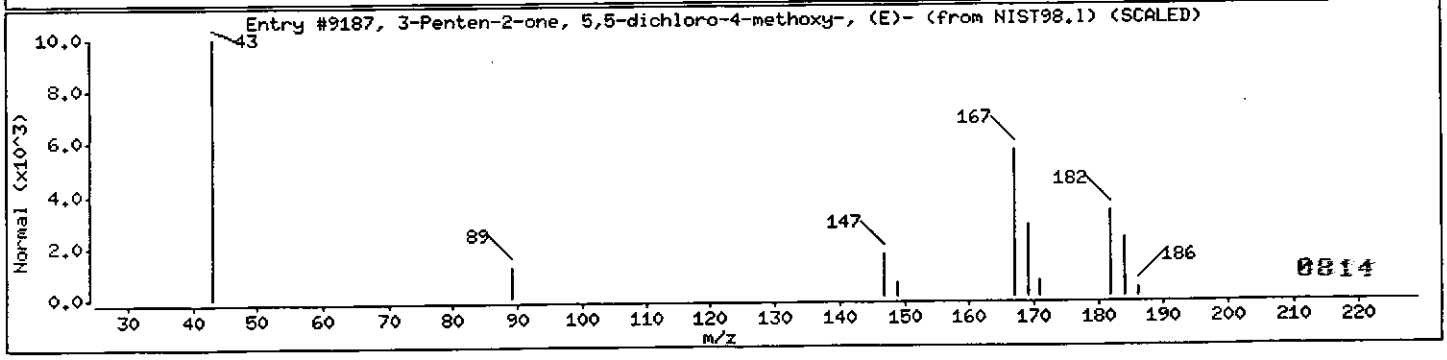
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexanone, 4-methyl-, semicarbazone	5439-97-4	NIST98.1	33684	11	C8H15N3O	169
Benzo[g]quinoline	260-36-6	NIST98.1	125245	10	C13H9N	179
3-Penten-2-one, 5,5-dichloro-4-methoxy-,	61203-75-6	NIST98.1	9187	10	C6H8Cl2O2	182









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

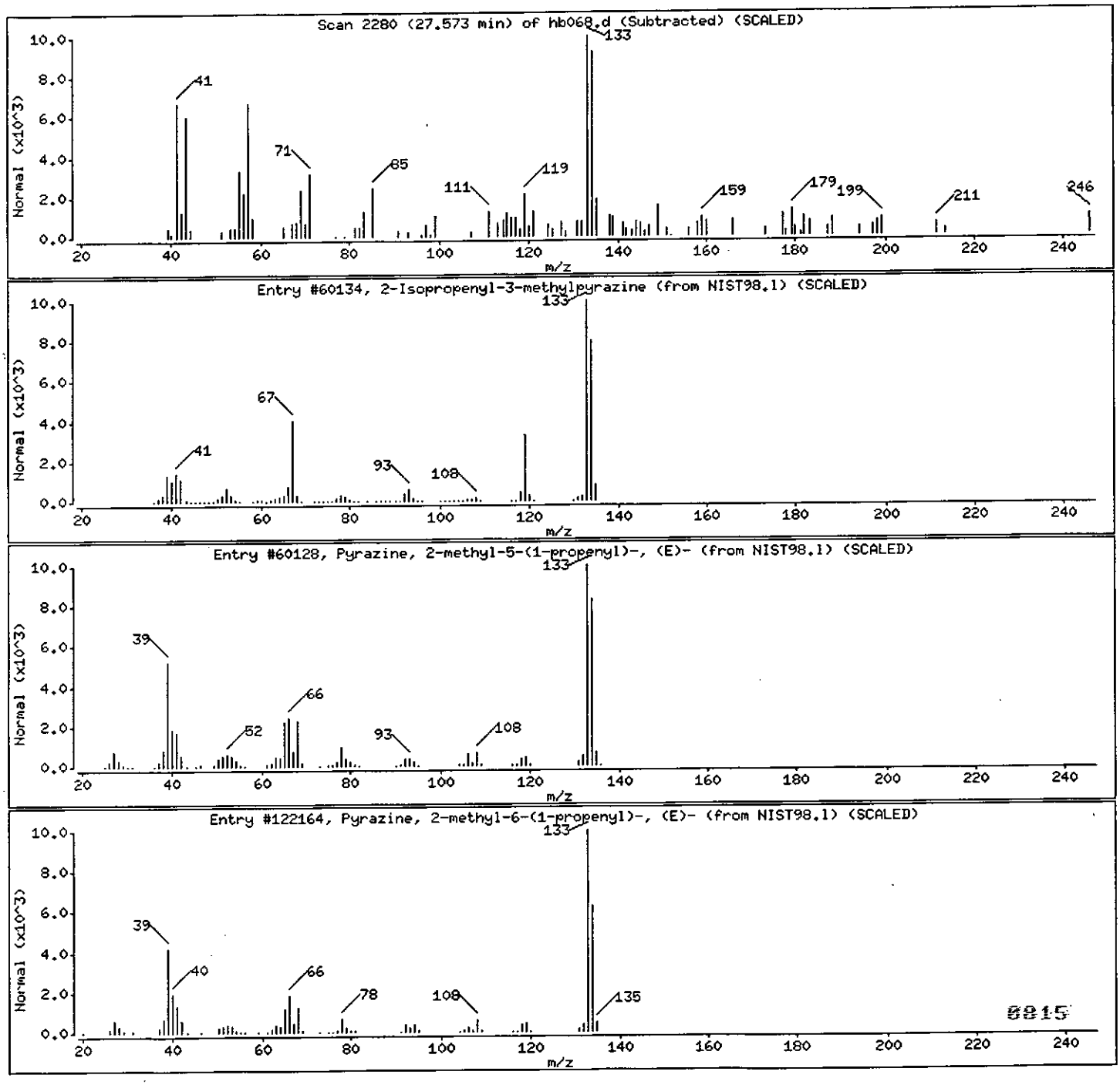
Volume Injected (uL): 2.0

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						
2-Isopropenyl-3-methylpyrazine	145984-65-2	NIST98.1	60134	53	C8H10N2	134
Pyrazine, 2-methyl-5-(1-propenyl)-, (E)-	18217-82-8	NIST98.1	60128	50	C8H10N2	134
Pyrazine, 2-methyl-6-(1-propenyl)-, (E)-	18217-81-7	NIST98.1	122164	50	C8H10N2	134



Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

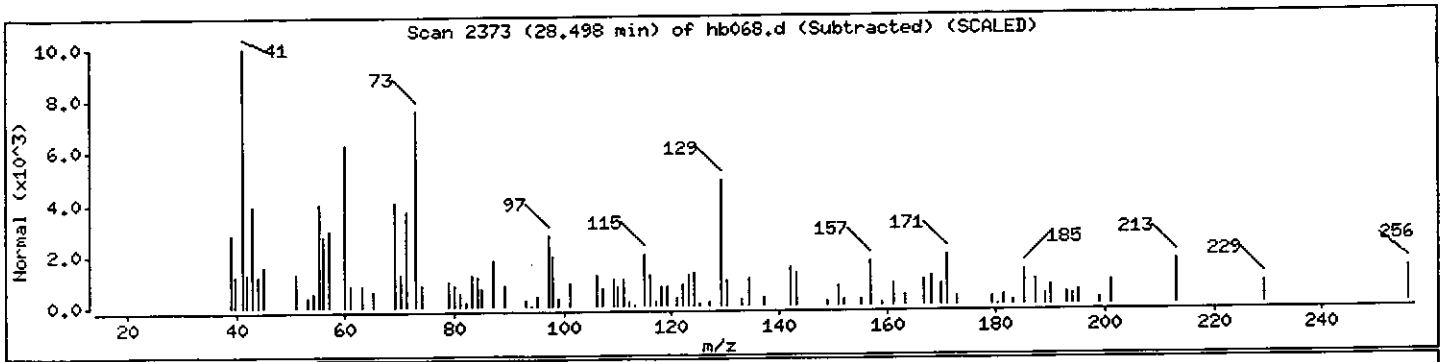
Volume Injected (uL): 2.0

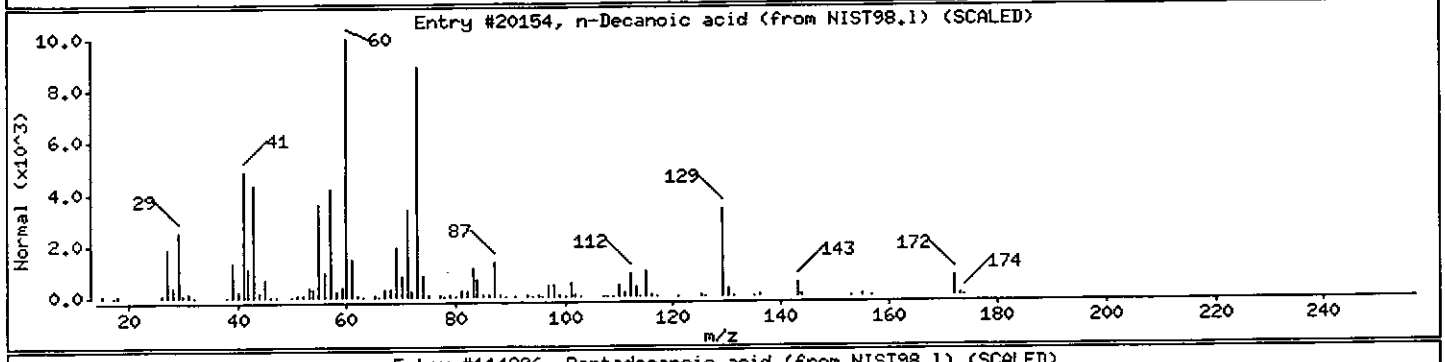
Operator: lmh00956

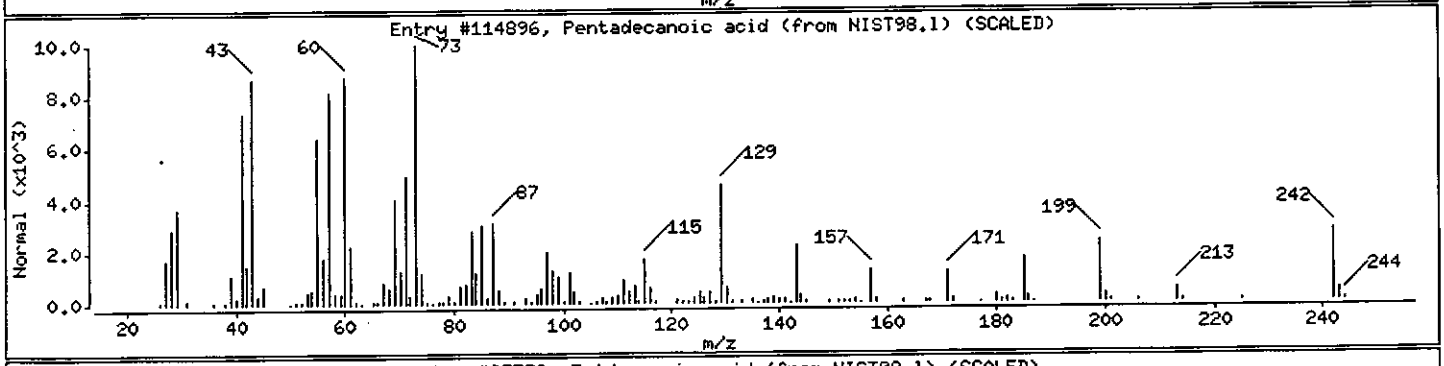
Column phase: J&W DB-5.625

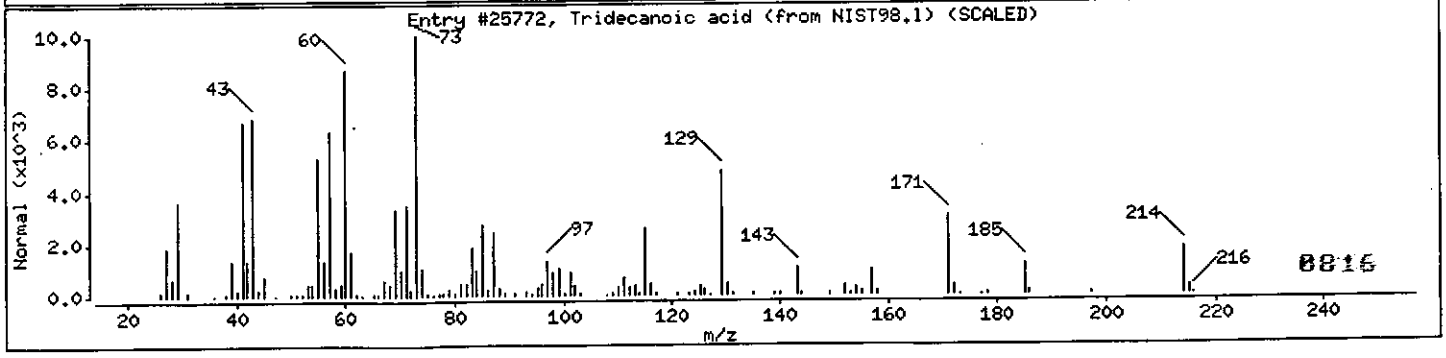
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Decanoic acid	334-48-5	NIST98.1	20154	47	C10H2002	172
Pentadecanoic acid	1002-84-2	NIST98.1	114896	38	C15H3002	242
Tridecanoic acid	638-53-9	NIST98.1	25772	25	C13H2602	214









8816

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

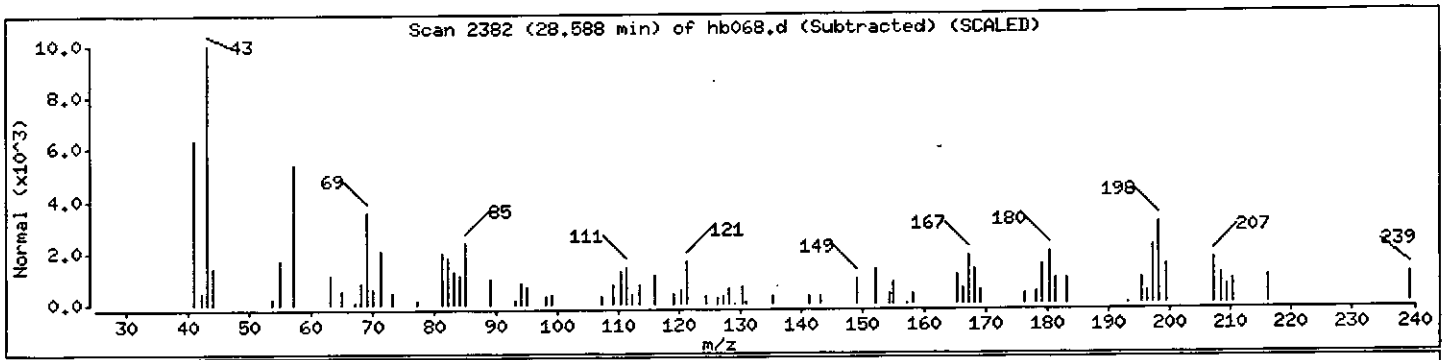
Volume Injected (uL): 2.0

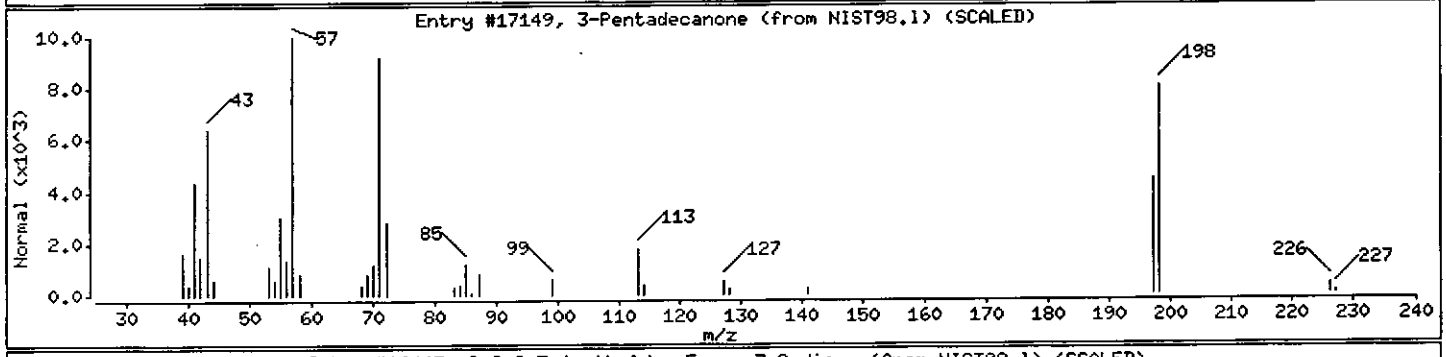
Operator: lmh00956

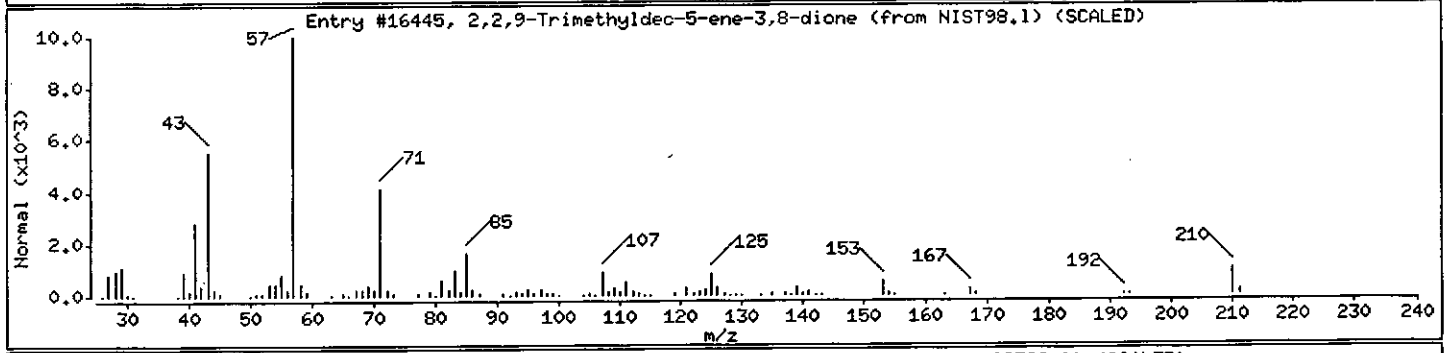
Column phase: J&W DB-5.625

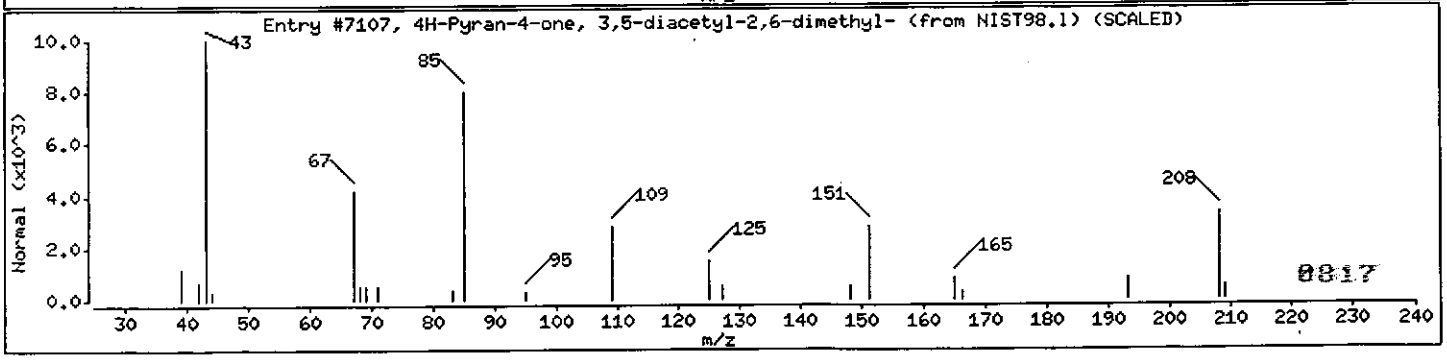
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Pentadecanone	18787-66-1	NIST98.1	17149	10	C15H30O	226
2,2,9-Trimethyldec-5-ene-3,8-dione	83040-81-7	NIST98.1	16445	9	C13H22O2	210
4H-Pyran-4-one, 3,5-diacetyl-2,6-dimethy	19396-77-1	NIST98.1	7107	9	C11H12O4	208









0817

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

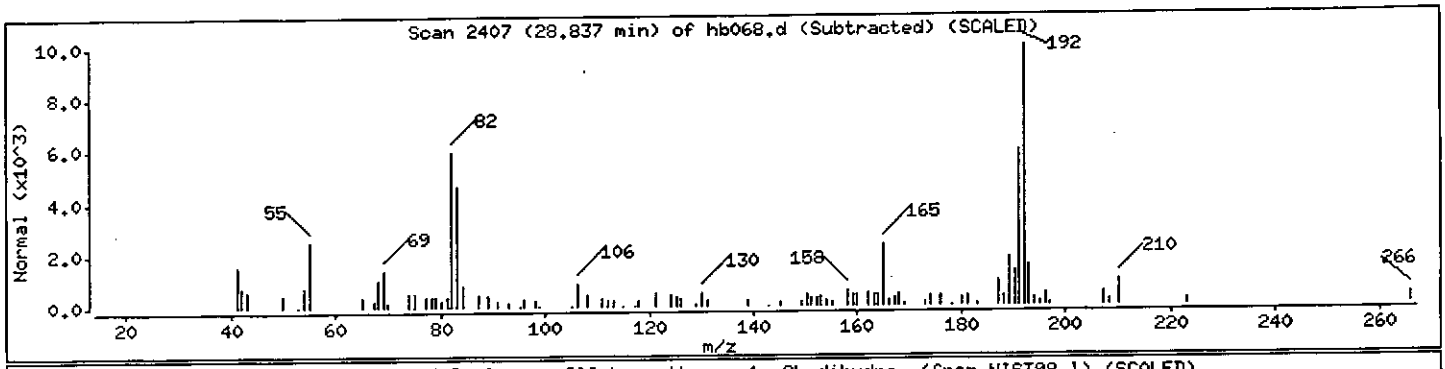
Volume Injected (uL): 2.0

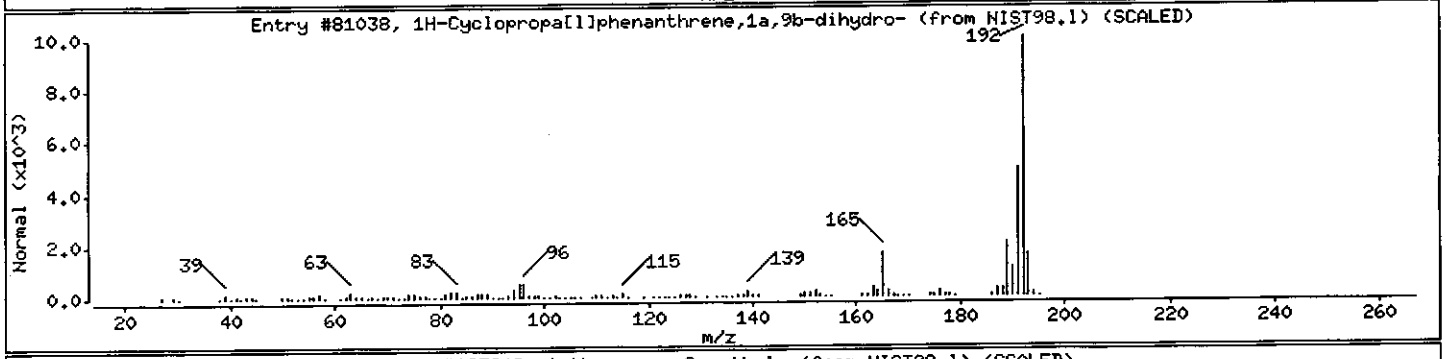
Operator: lmh00956

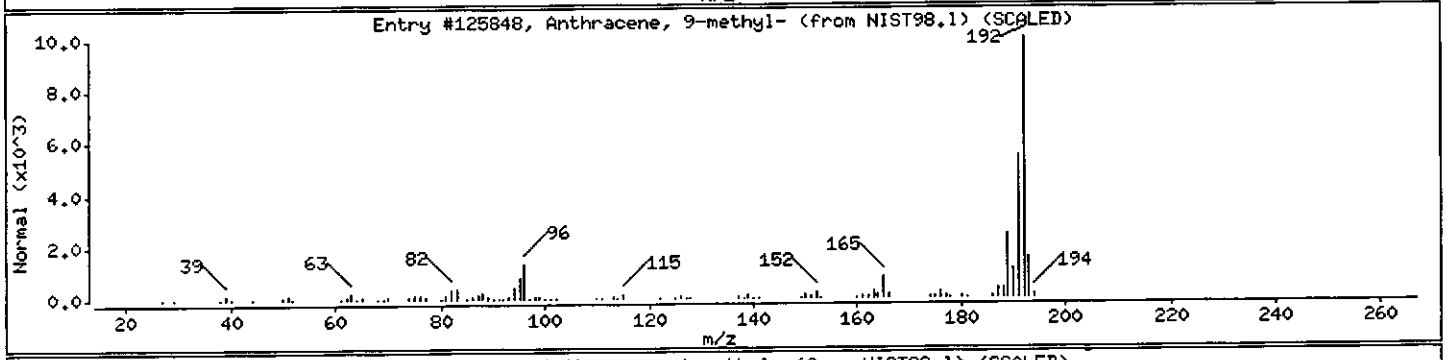
Column phase: J&W DB-5.625

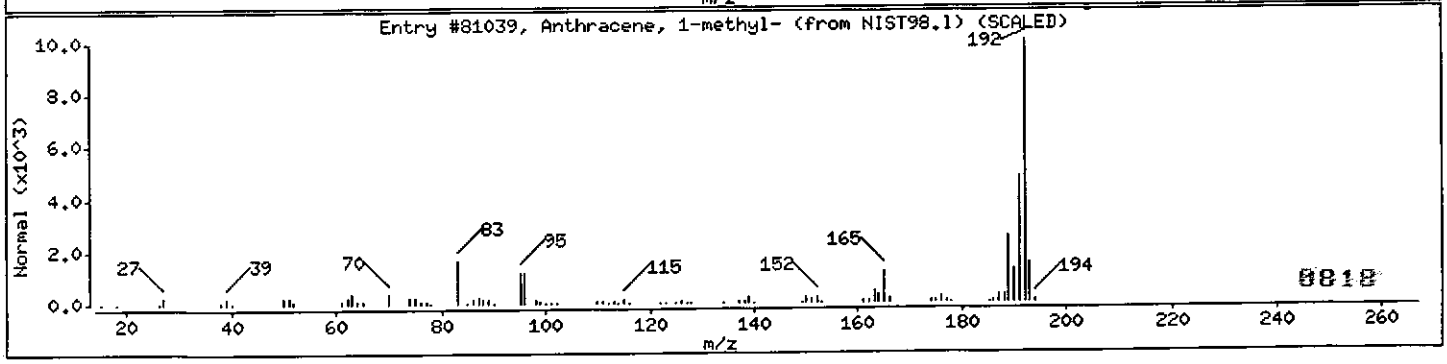
Column diameter: 0.25

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST98.1	81038	78	C15H12	192
Anthracene, 9-methyl-	779-02-2	NIST98.1	125848	78	C15H12	192
Anthracene, 1-methyl-	610-48-0	NIST98.1	81039	60	C15H12	192









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

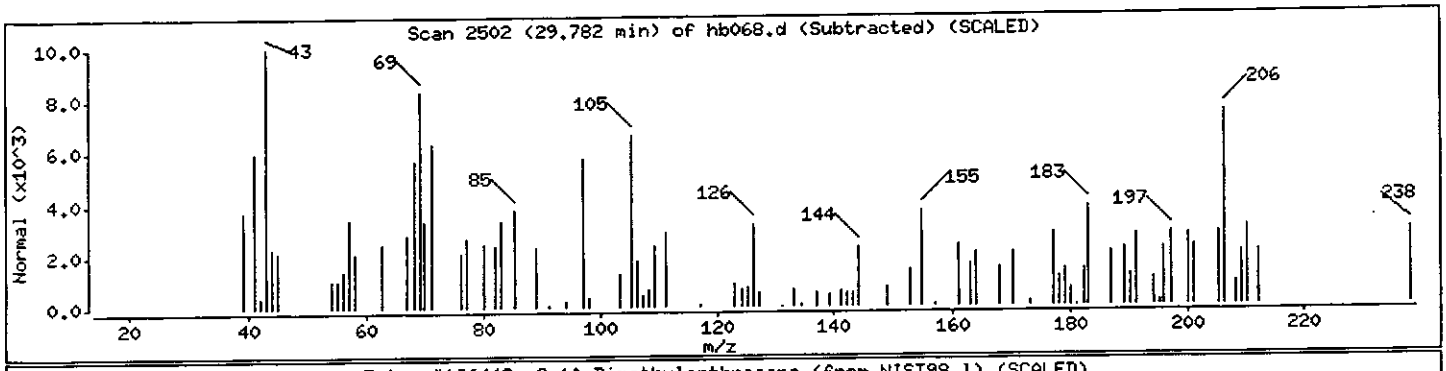
Volume Injected (uL): 2.0

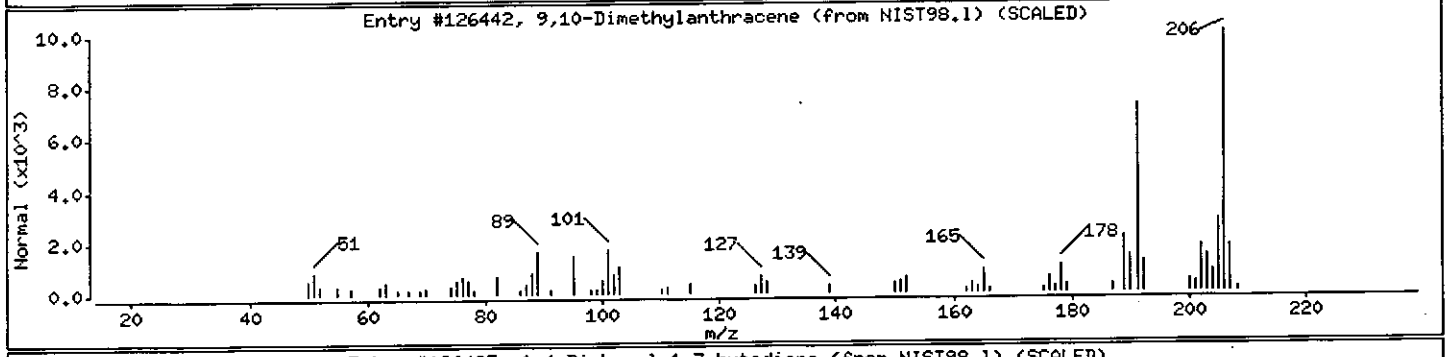
Operator: lmh00956

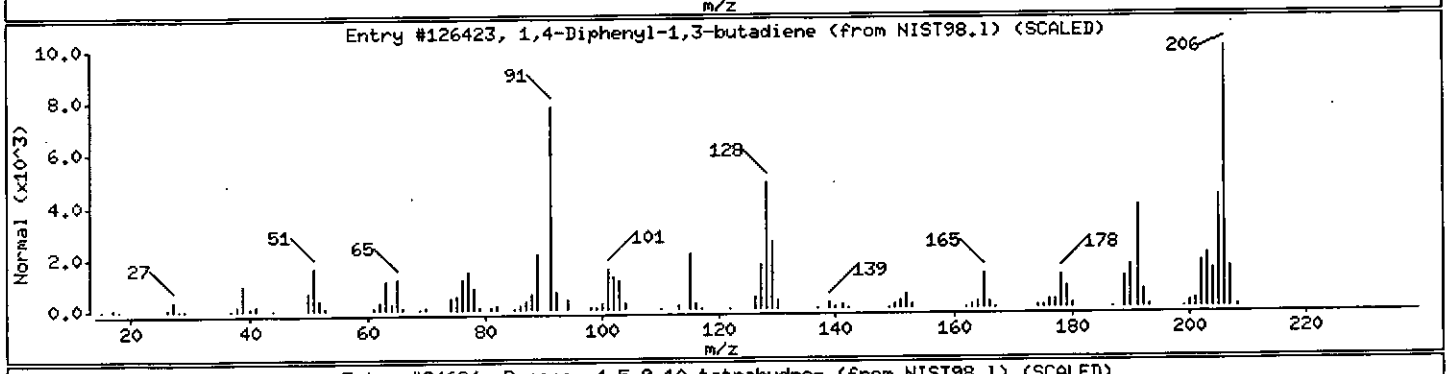
Column phase: J&W DB-5.625

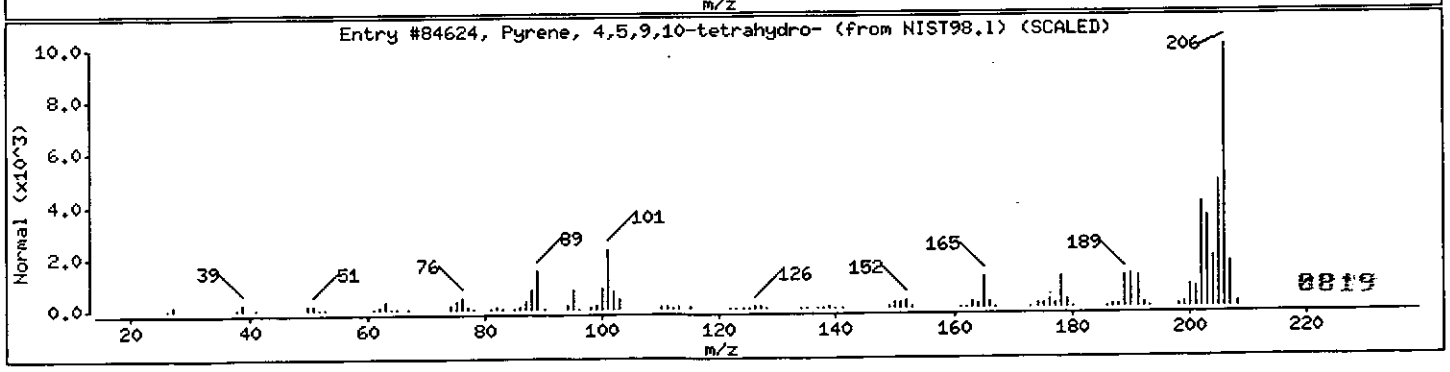
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
9,10-Dimethylanthracene	781-43-1	NIST98.1	126442	11	C16H14	206
1,4-Diphenyl-1,3-butadiene	886-65-7	NIST98.1	126423	11	C16H14	206
Pyrene, 4,5,9,10-tetrahydro-	781-17-9	NIST98.1	84624	11	C16H14	206









8819

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

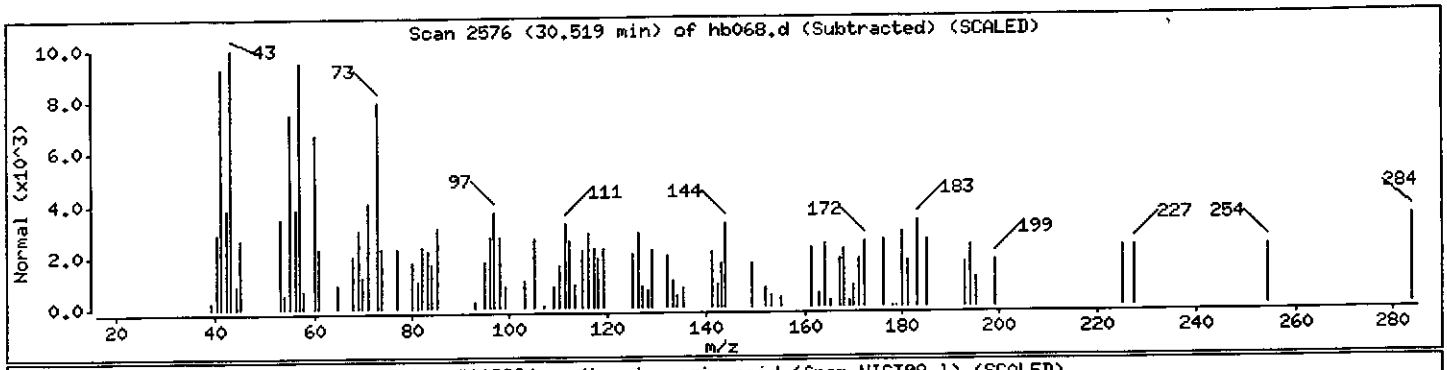
Volume Injected (uL): 2.0

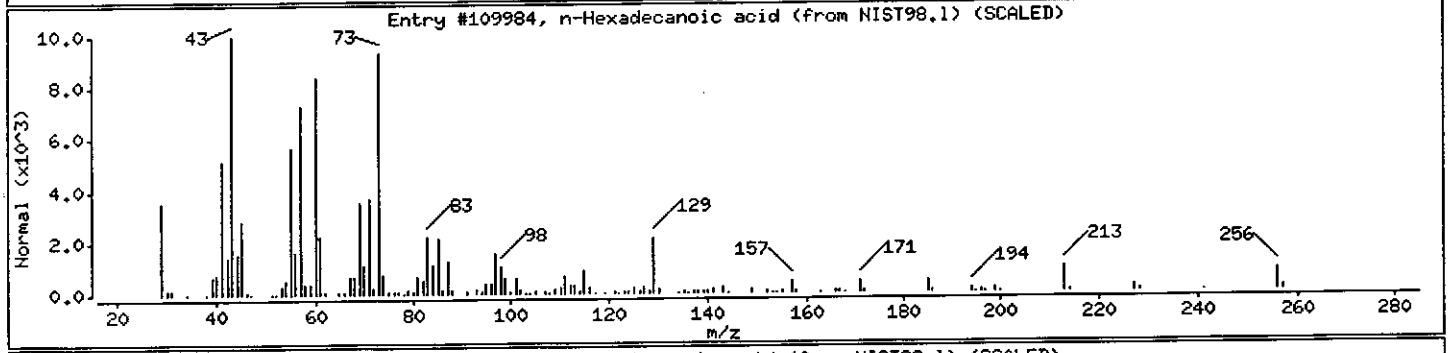
Operator: lmh00956

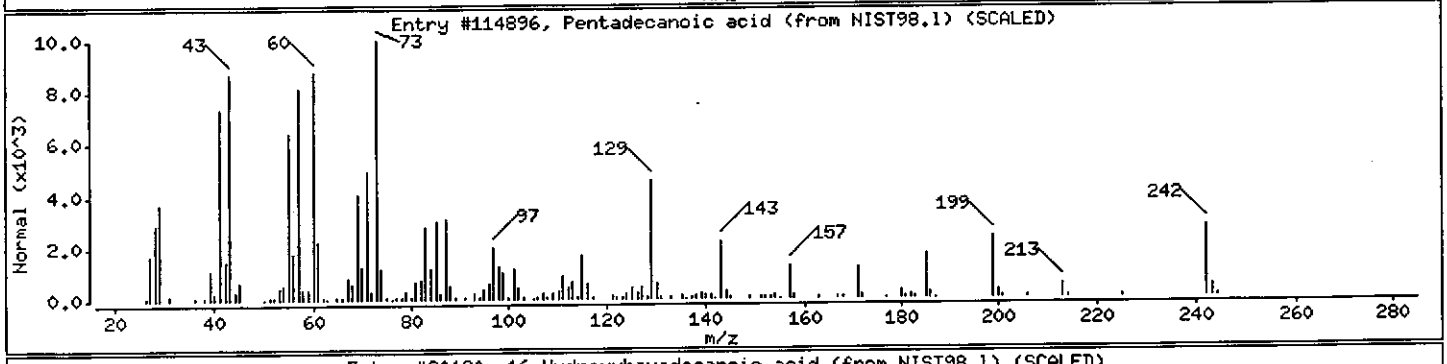
Column phase: J&W DB-5.625

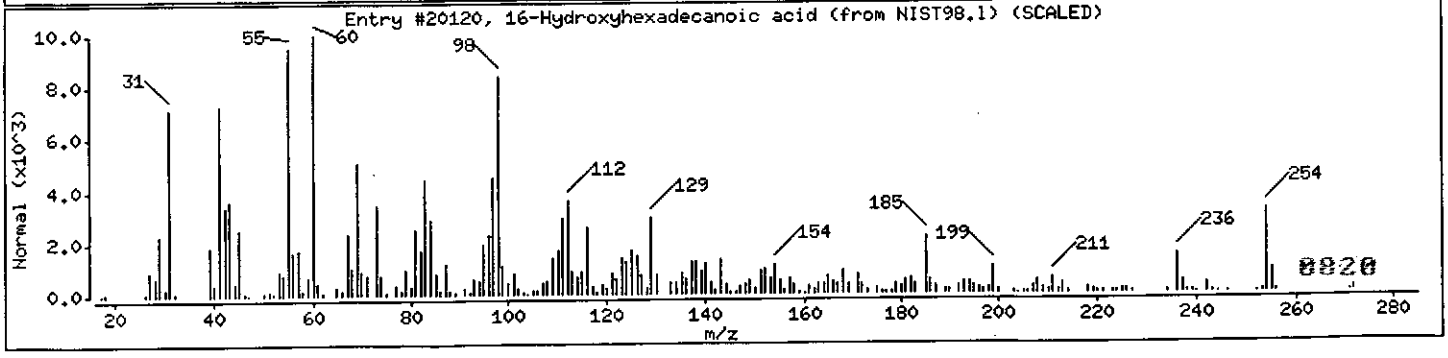
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Hexadecanoic acid	57-10-3	NIST98.1	109984	11	C16H32O2	256
Pentadecanoic acid	1002-84-2	NIST98.1	114896	11	C15H30O2	242
16-Hydroxyhexadecanoic acid	506-13-8	NIST98.1	20120	10	C16H32O3	272









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

Volume Injected (uL): 2.0

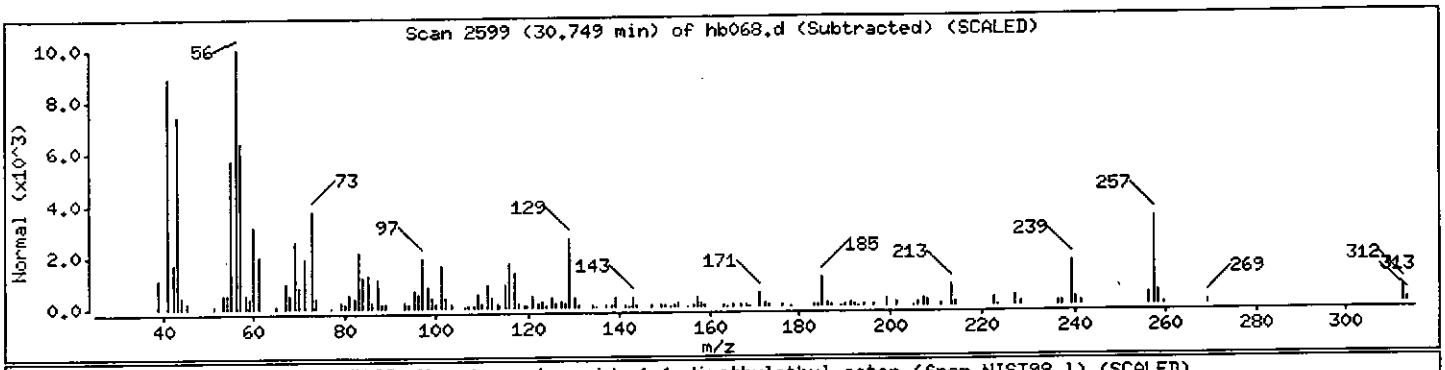
Operator: lmh00956

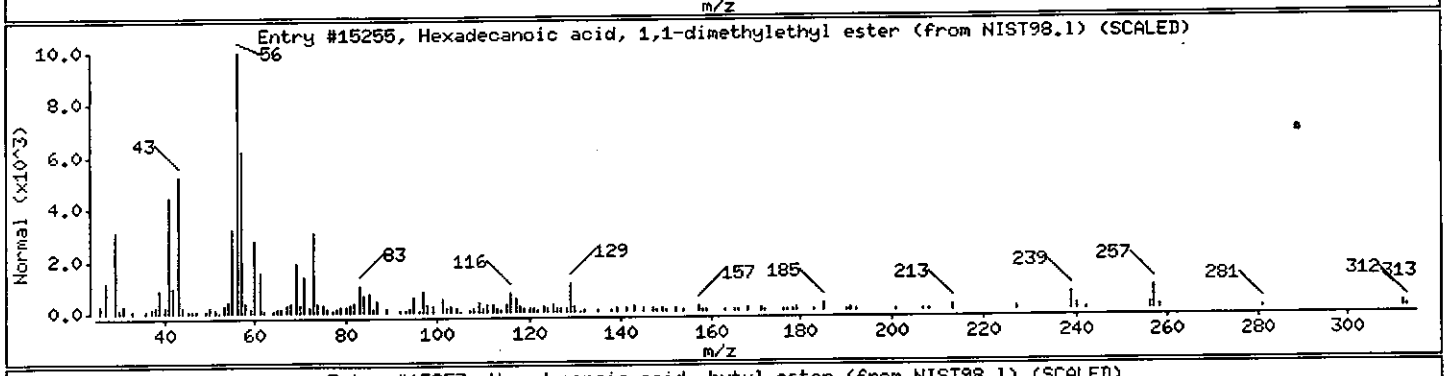
Column phase: J&W DB-5.625

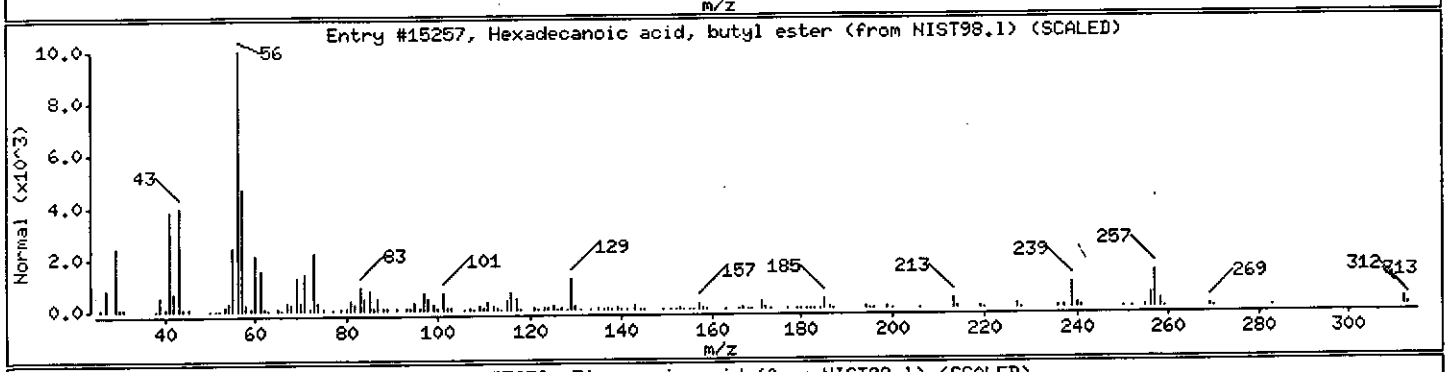
Column diameter: 0.25

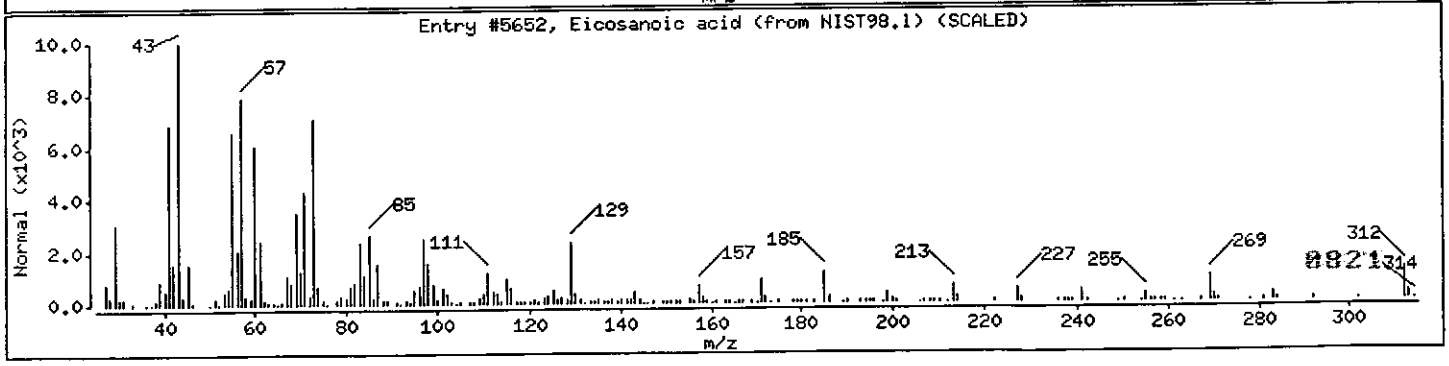
(B) lmn198 02/06/06

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	90	C20H40O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	55	C20H40O2	312
Eicosanoic acid	506-30-9	NIST98.1	5652	42	C20H40O2	312









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

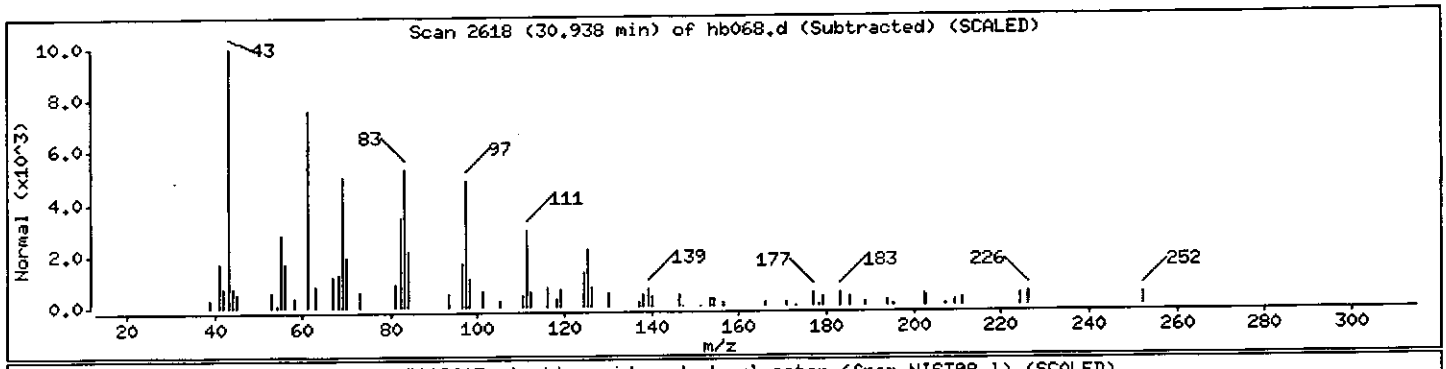
Volume Injected (uL): 2.0

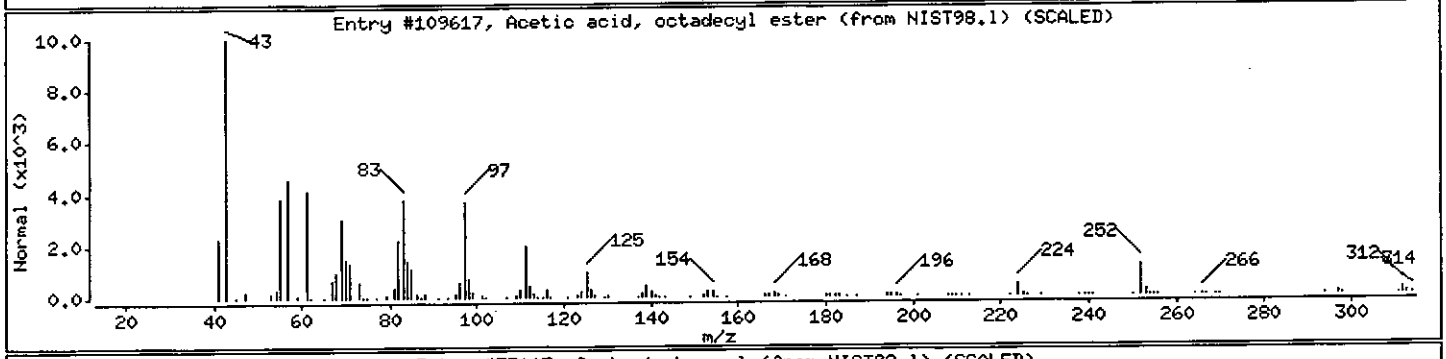
Operator: lmh00956

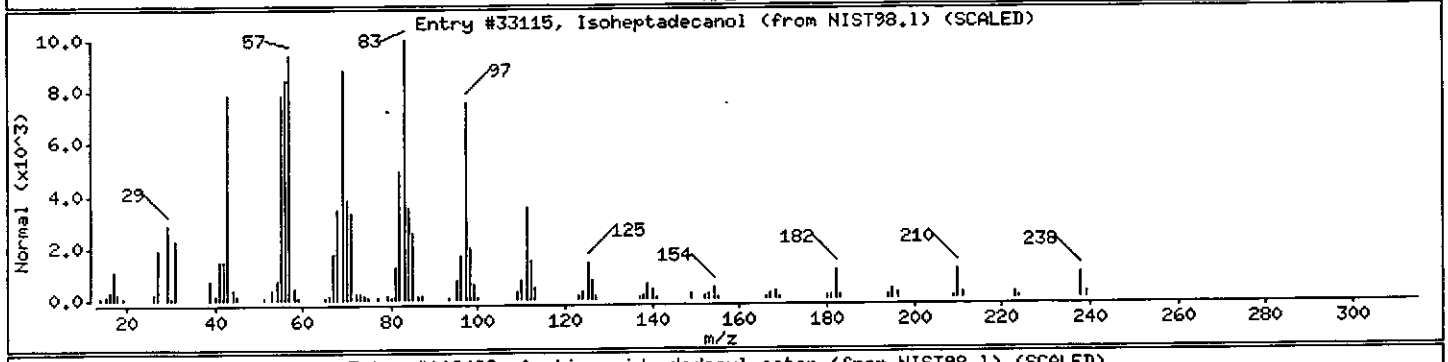
Column phase: J&W DB-5.625

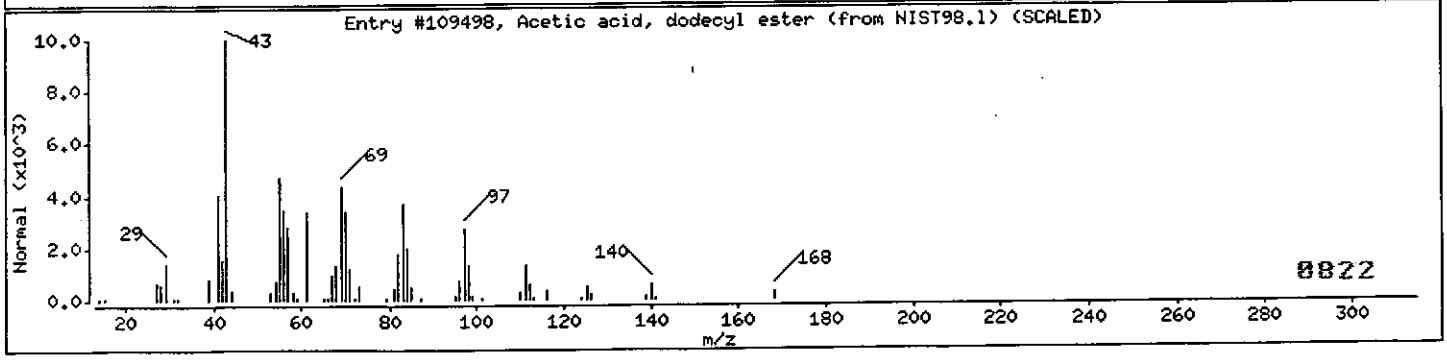
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	109617	53	C20H40O2	312
Isoheptadecanol	57289-07-3	NIST98.1	33115	37	C17H36O	256
Acetic acid, dodecyl ester	112-66-3	NIST98.1	109498	37	C14H28O2	228









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

Volume Injected (uL): 2.0

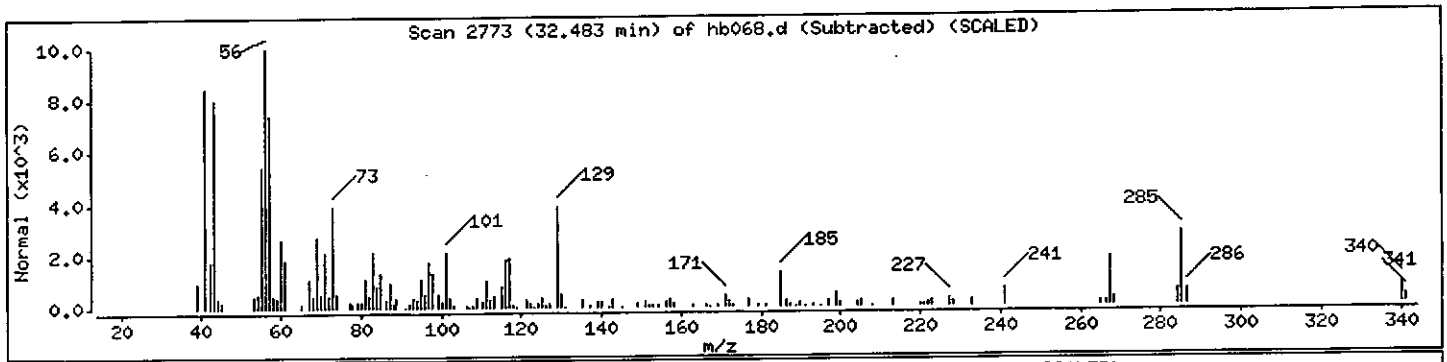
Operator: lmh00956

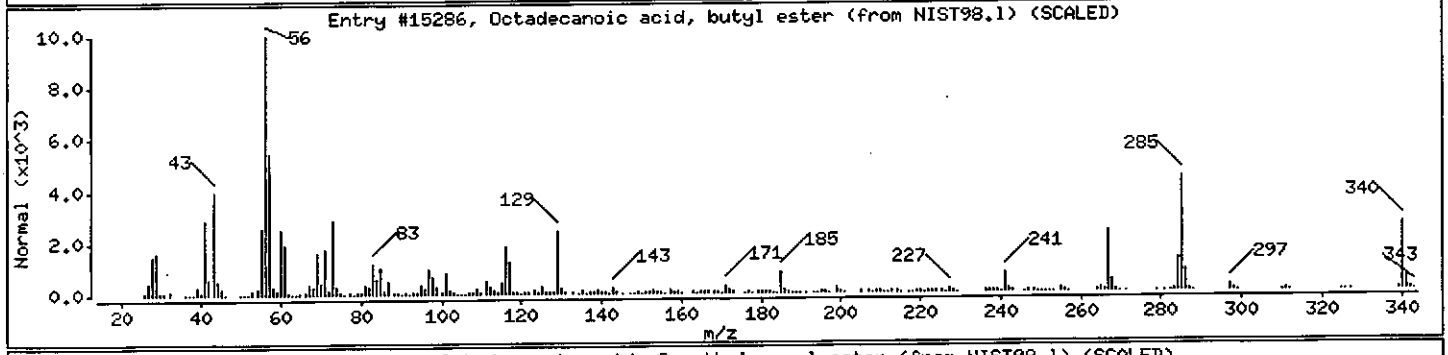
Column phase: J&W DB-5.625

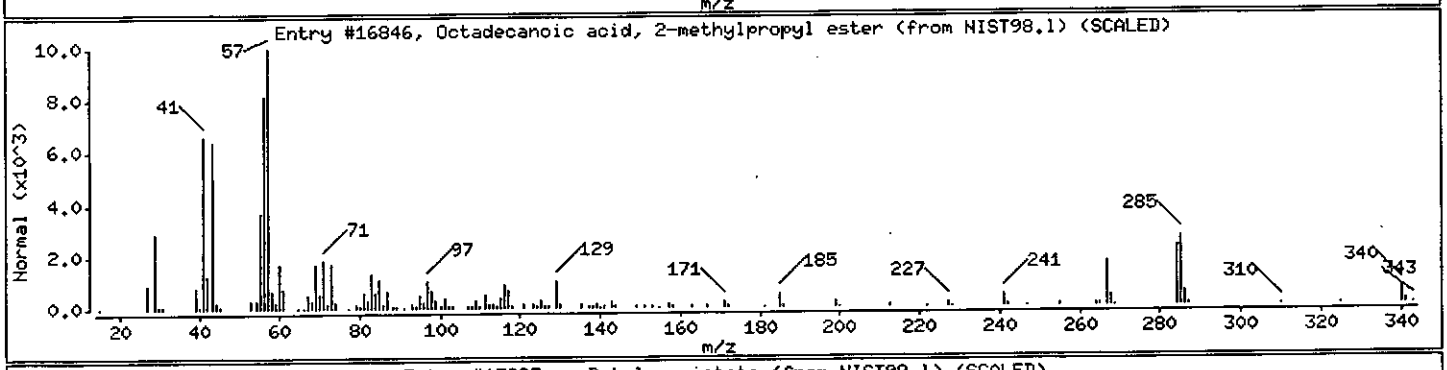
Column diameter: 0.25

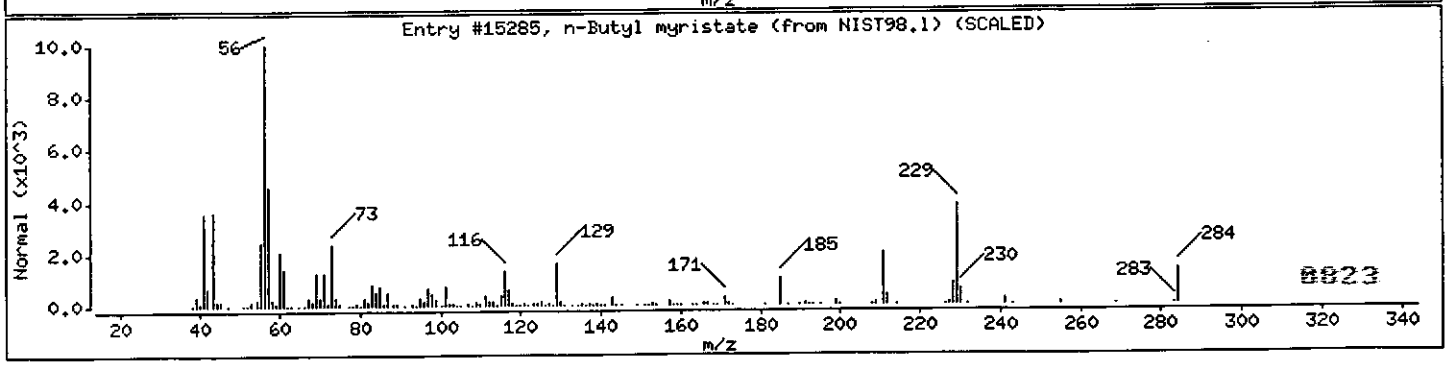
(B) LMH 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	15286	89	C22H4402	340
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	83	C22H4402	340
n-Butyl myristate	110-36-1	NIST98.1	15285	38	C18H3602	284









0823

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

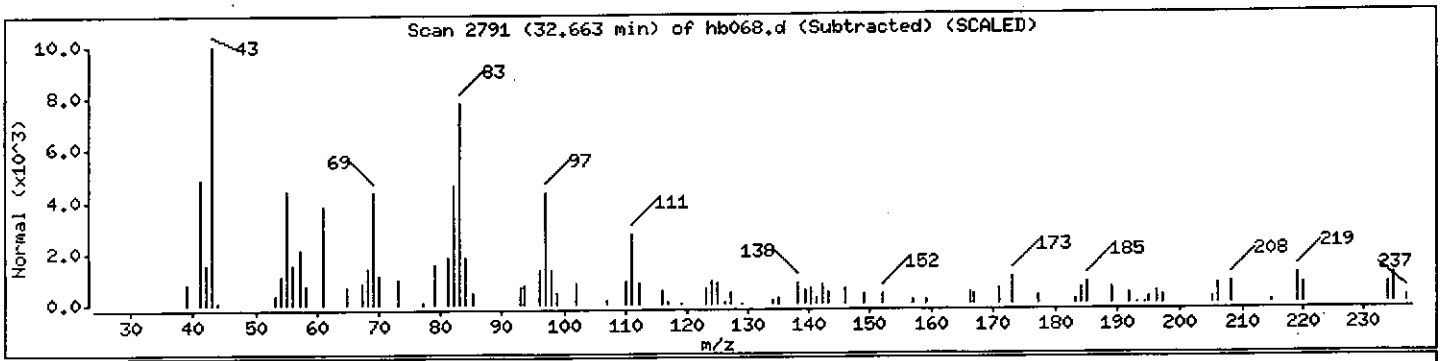
Volume Injected (uL): 2.0

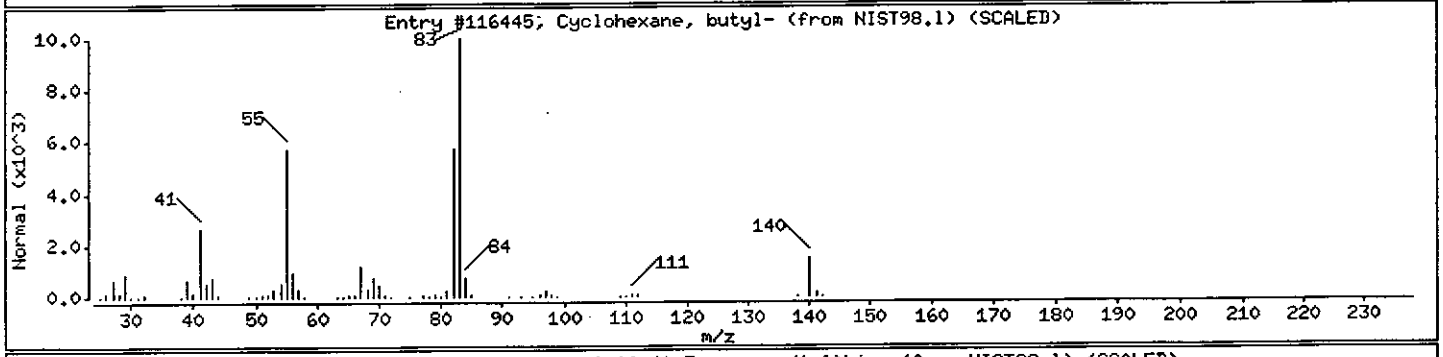
Operator: lmh00956

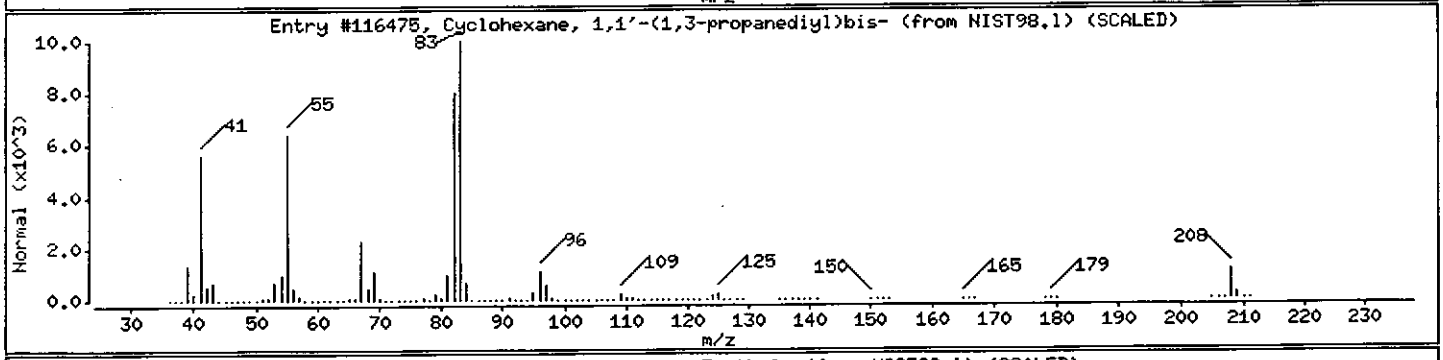
Column phase: J&W DB-5.625

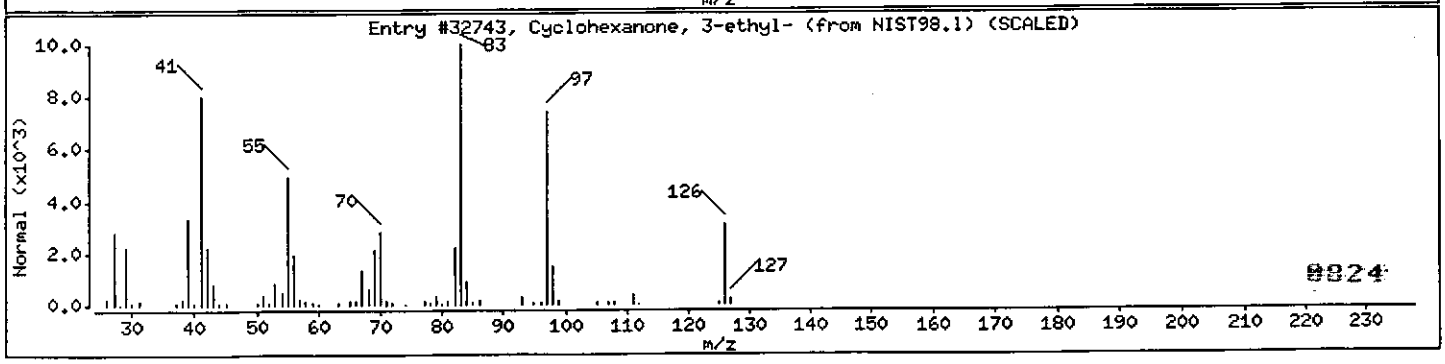
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, butyl-	1678-93-9	NIST98.1	116445	38	C10H20	140
Cyclohexane, 1,1'-(1,3-propanediyl)bis-	3178-24-3	NIST98.1	116475	38	C15H28	208
Cyclohexanone, 3-ethyl-	22461-89-8	NIST98.1	32743	38	C8H14O	126









0824

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

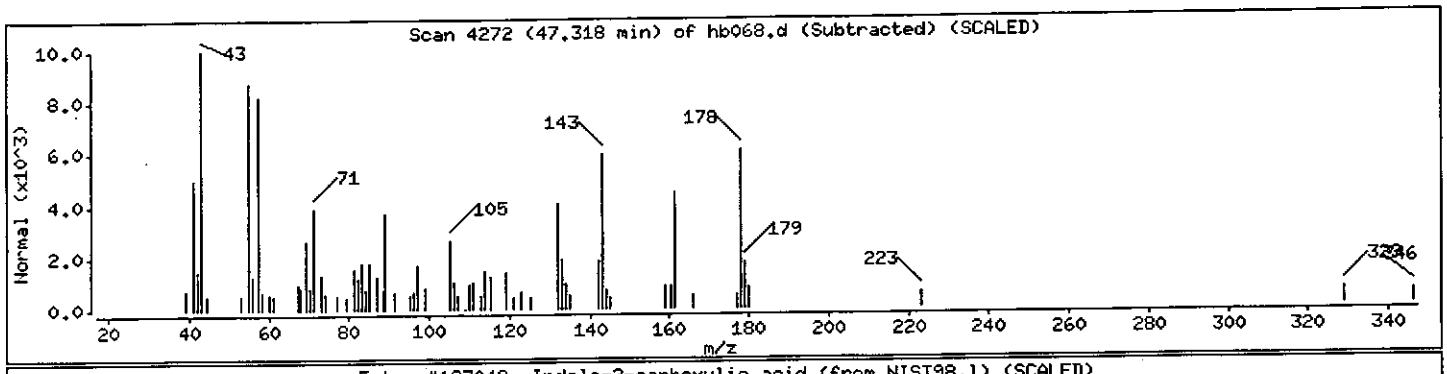
Volume Injected (uL): 2.0

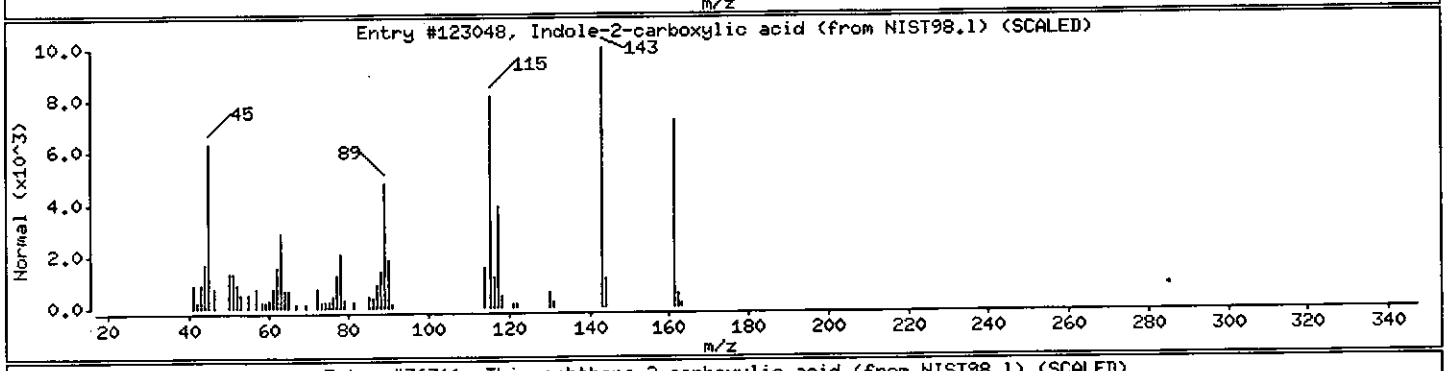
Operator: lmh00956

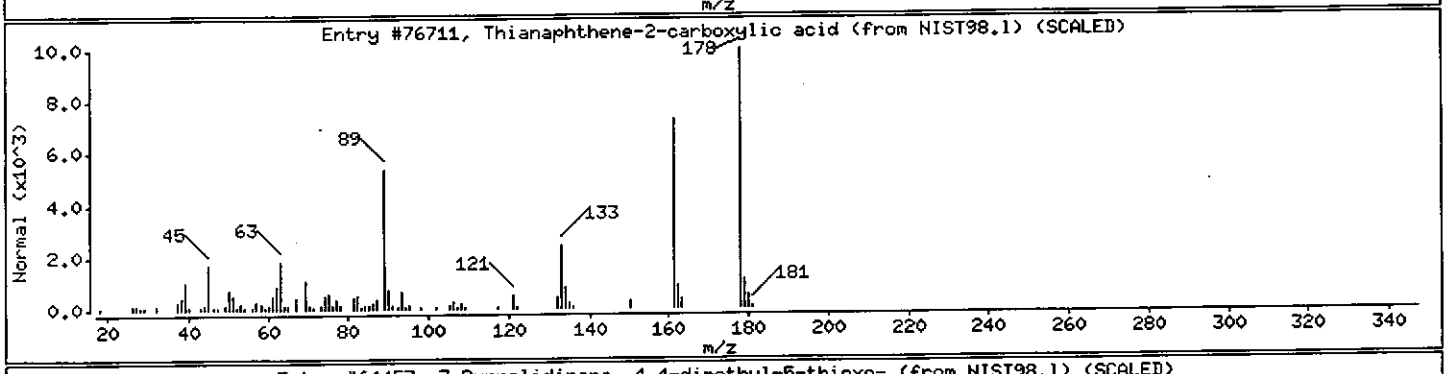
Column phase: J&W DB-5.625

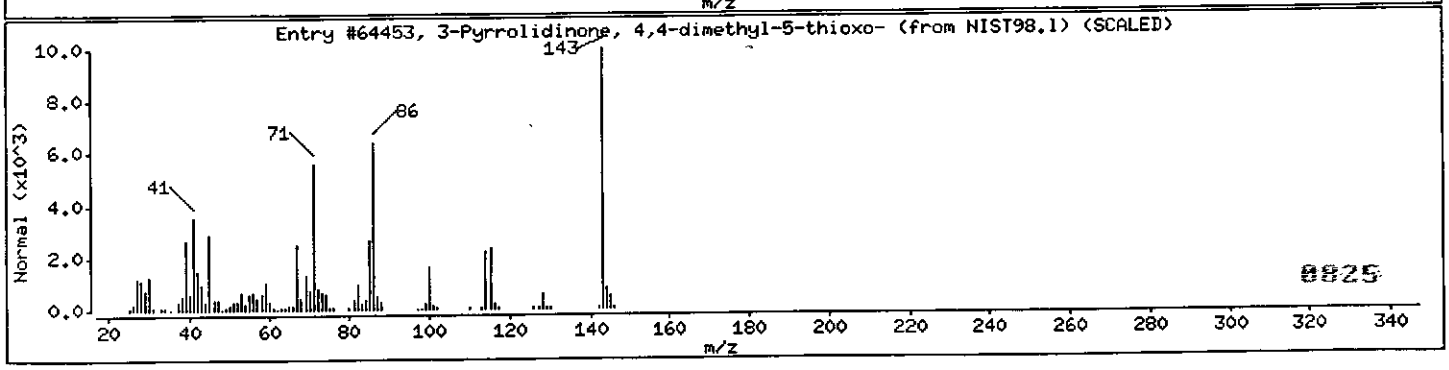
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Indole-2-carboxylic acid	1477-50-5	NIST98.1	123048	30	C9H7NO2	161
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.1	76711	30	C9H6O2S	178
3-Pyrrolidinone, 4,4-dimethyl-5-thioxo-	77611-54-2	NIST98.1	64453	25	C6H9NOS	143









0825

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

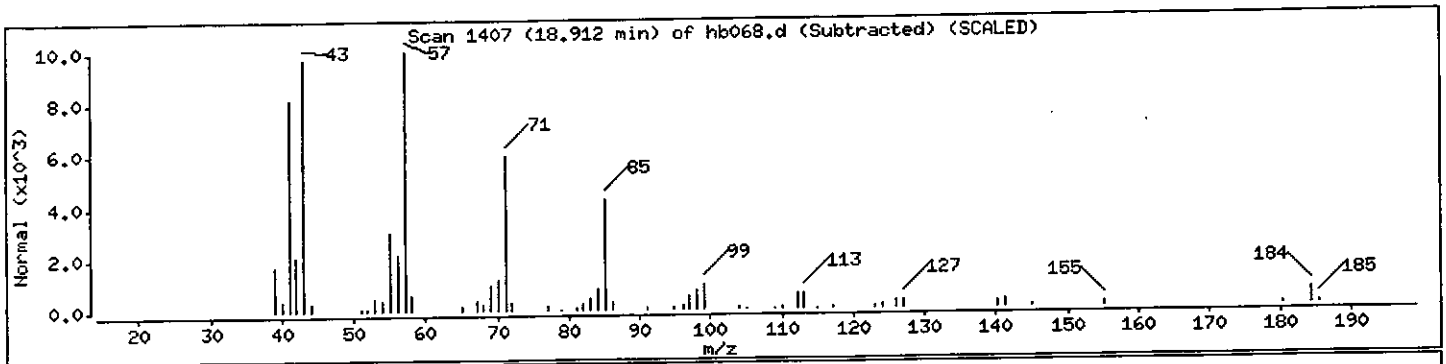
Volume Injected (uL): 2.0

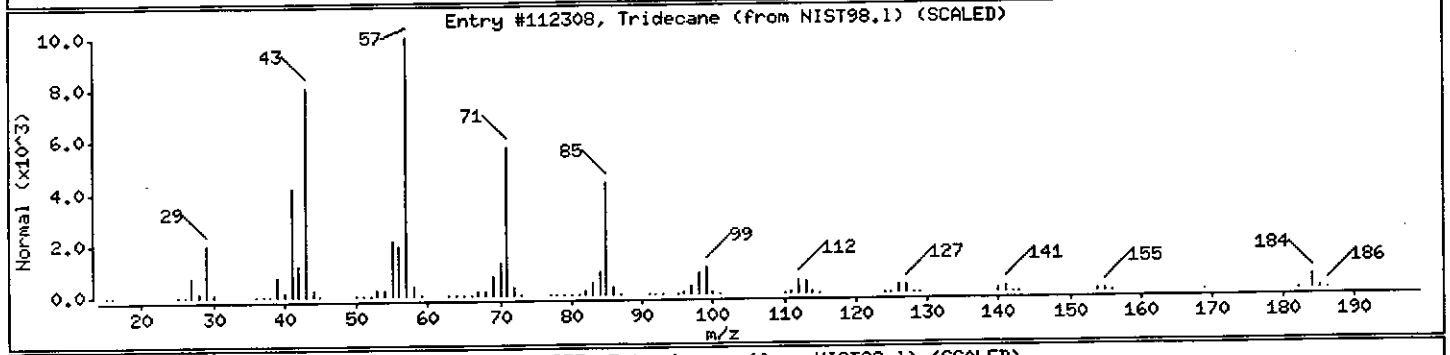
Operator: lmh00956

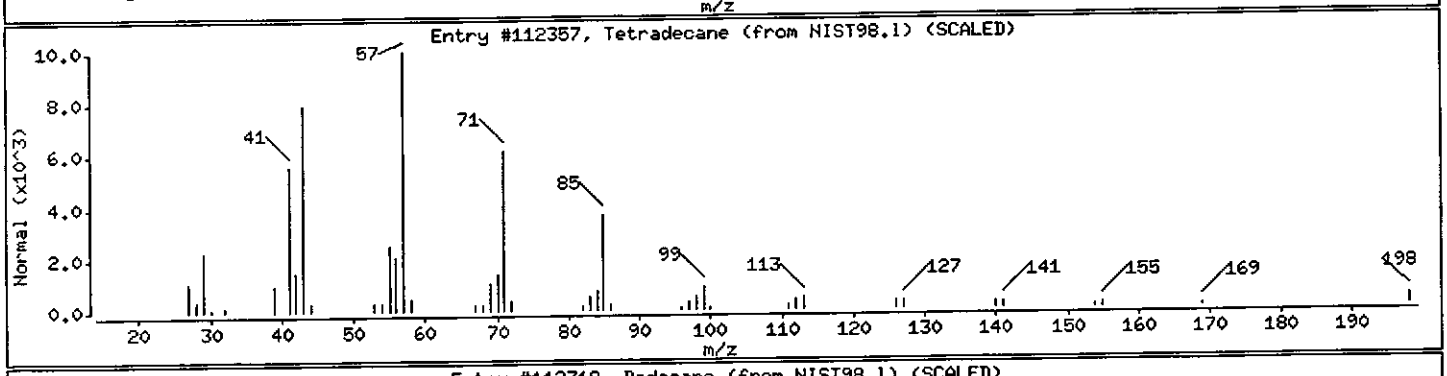
Column phase: J&W DB-5.625

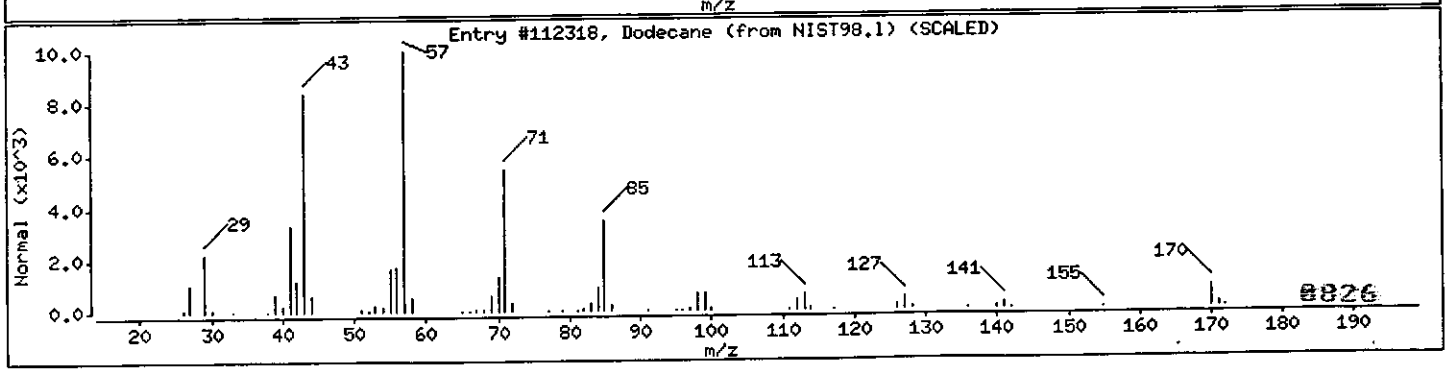
Column diameter: 0.25

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
Dodecane	112-40-3	NIST98.1	112318	86	C12H26	170









0826

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

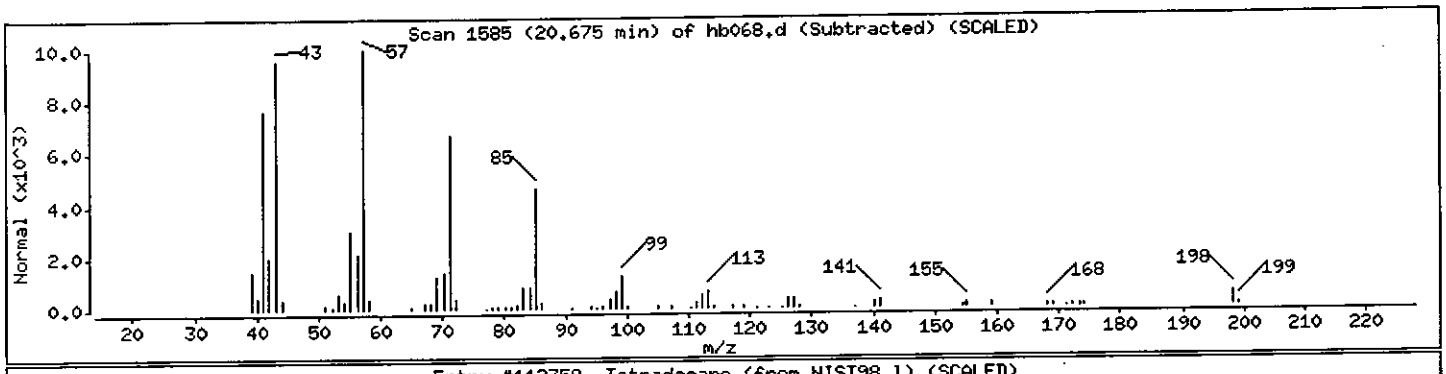
Volume Injected (uL): 2.0

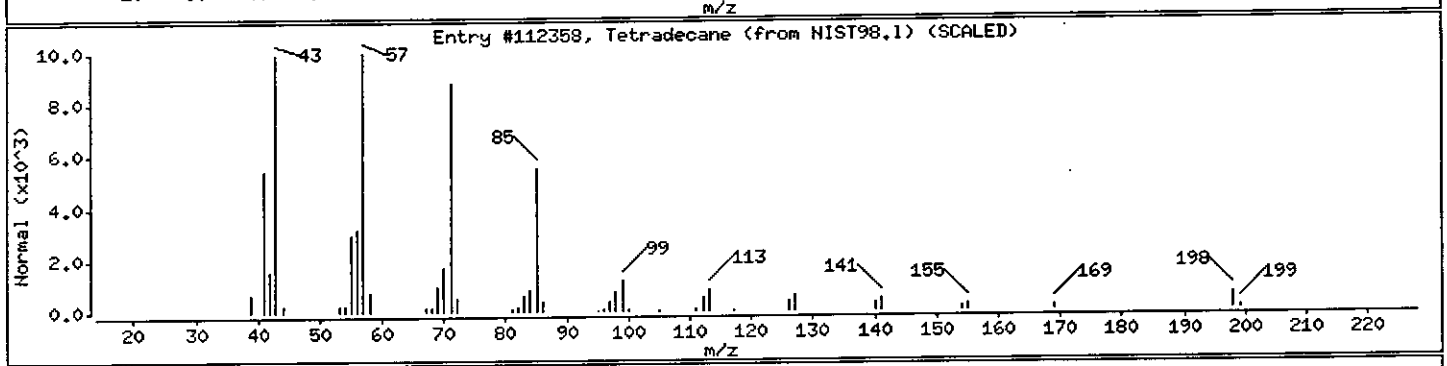
Operator: lmh00956

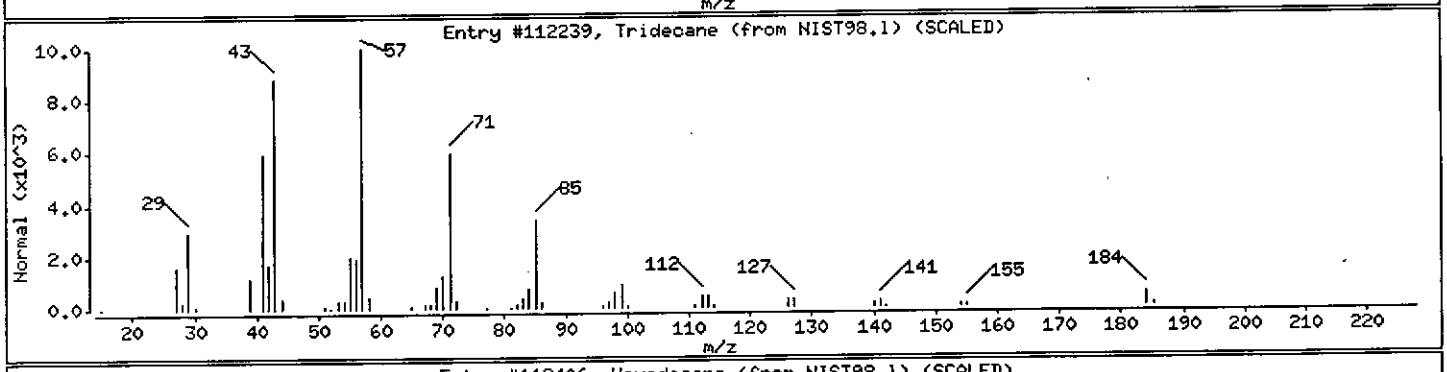
Column phase: J&W DB-5.625

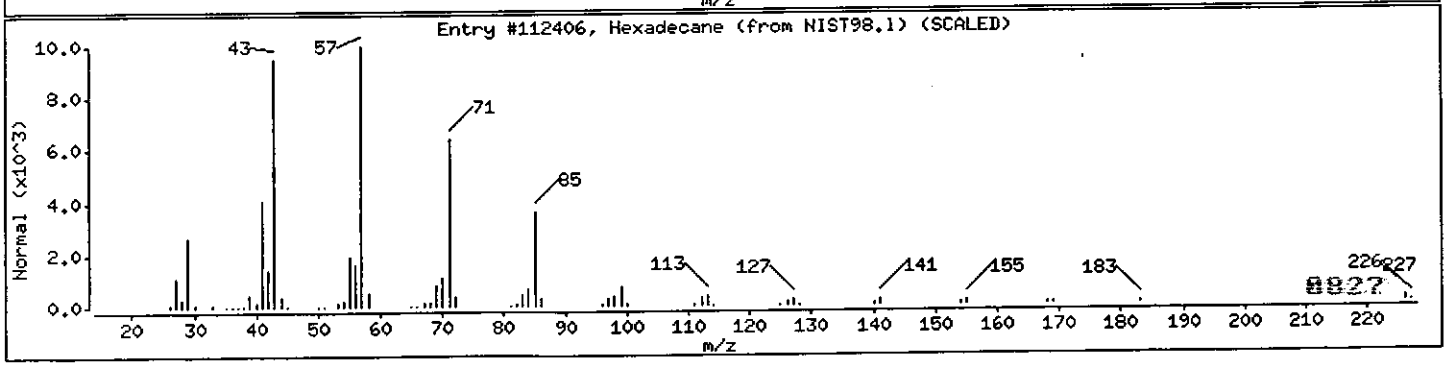
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST98.1	112358	98	C14H30	198
Tridecane	629-50-5	NIST98.1	112239	91	C13H28	184
Hexadecane	544-76-3	NIST98.1	112406	91	C16H34	226









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

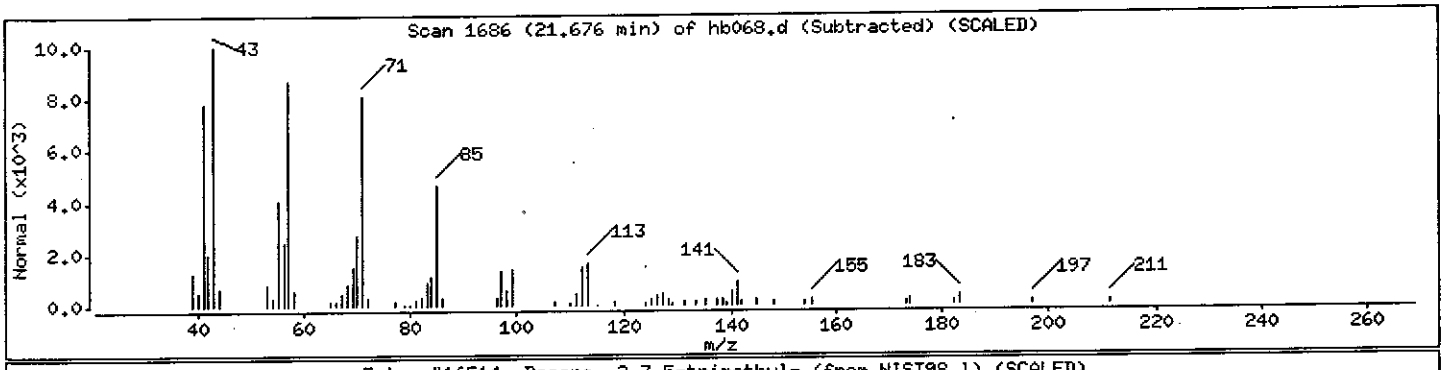
Volume Injected (uL): 2.0

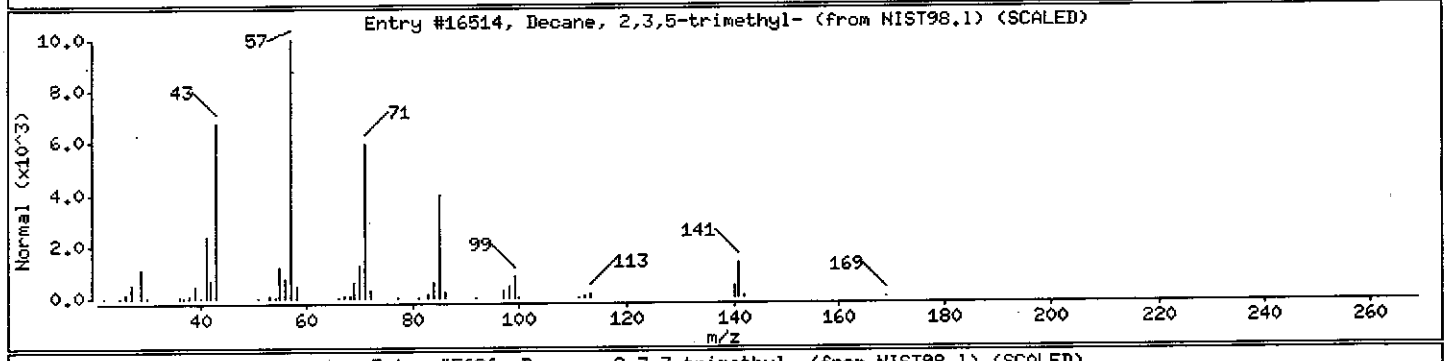
Operator: lmh00956

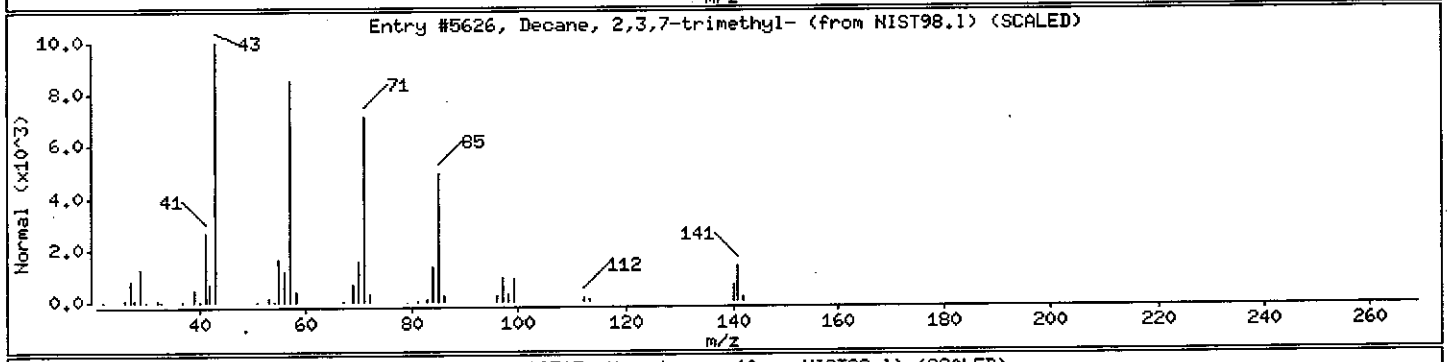
Column phase: J&W DB-5.625

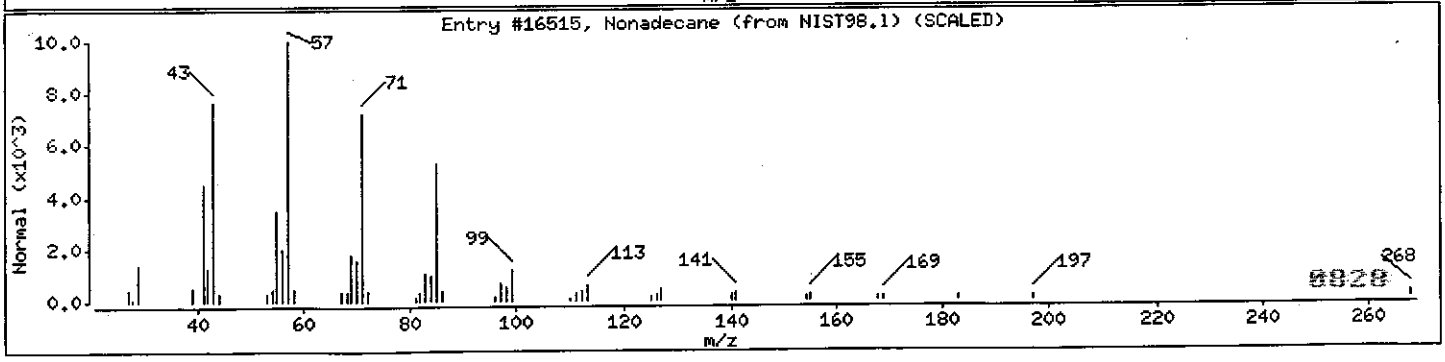
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Decane, 2,3,5-trimethyl-	62238-11-3	NIST98.1	16514	72	C13H28	184
Decane, 2,3,7-trimethyl-	62238-13-5	NIST98.1	5626	72	C13H28	184
Nonadecane	629-92-5	NIST98.1	16515	72	C19H40	268









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

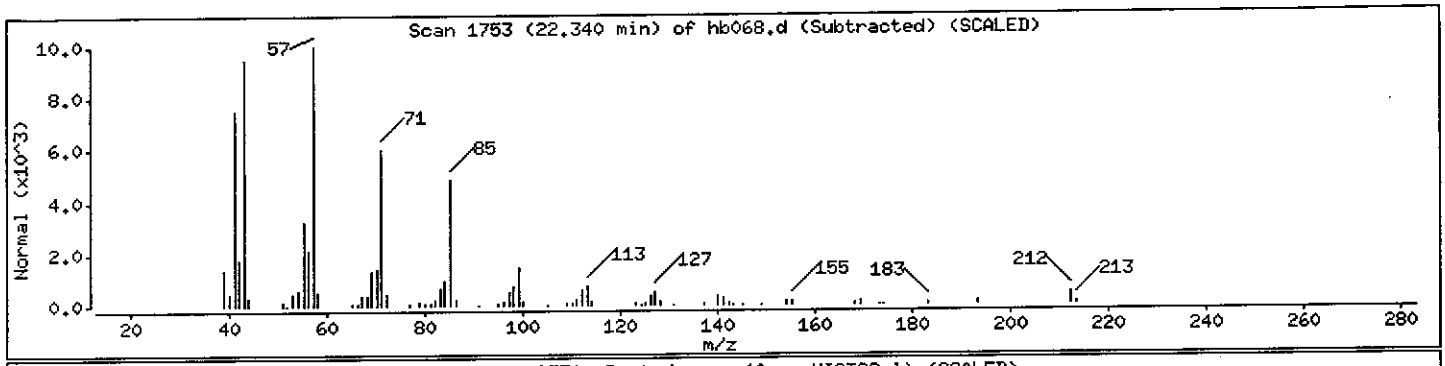
Volume Injected (uL): 2.0

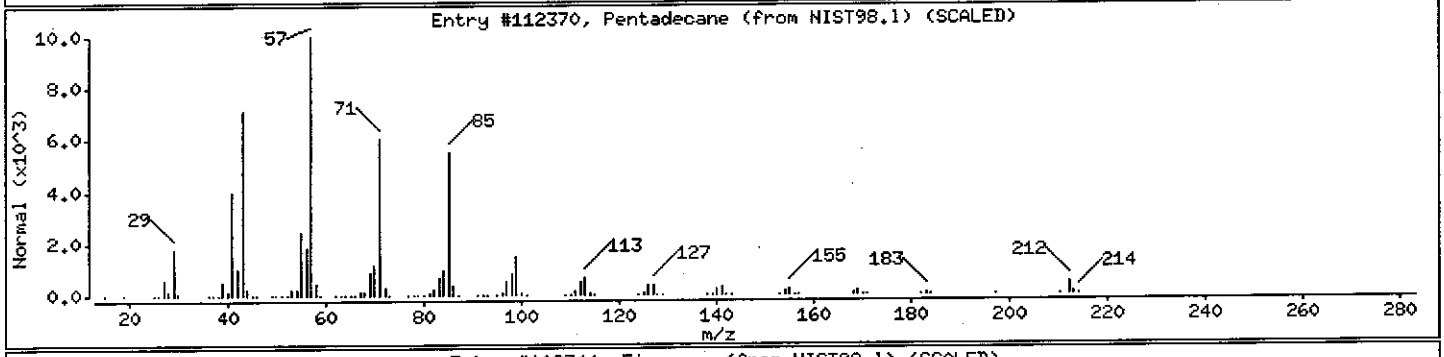
Operator: lmh00956

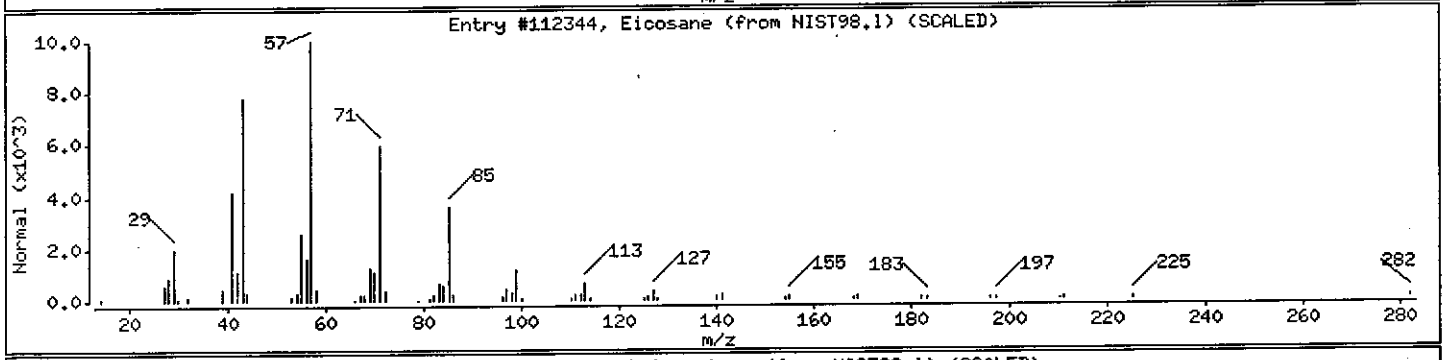
Column phase: J&W DB-5.625

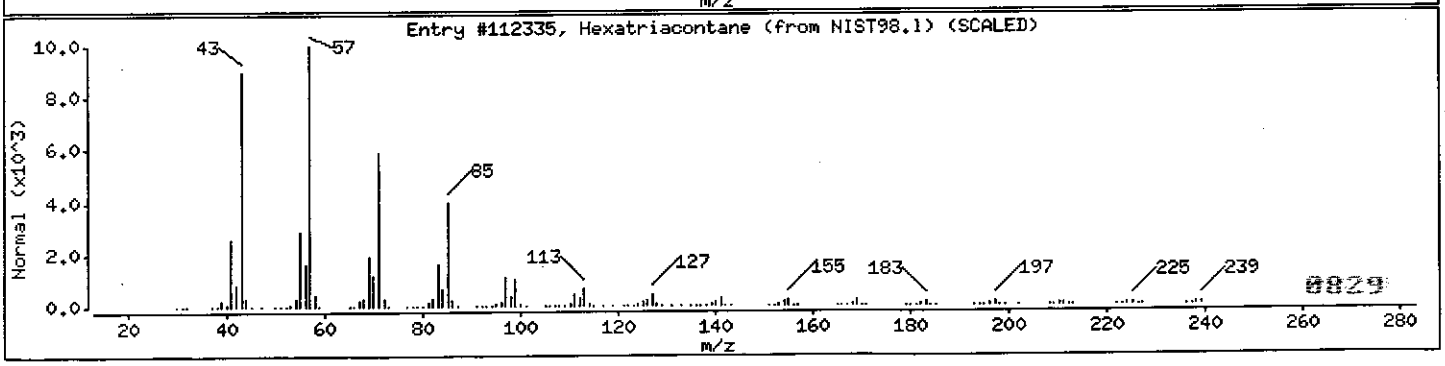
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	96	C15H32	212
Eicosane	112-95-8	NIST98.1	112344	91	C20H42	282
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507









0829

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

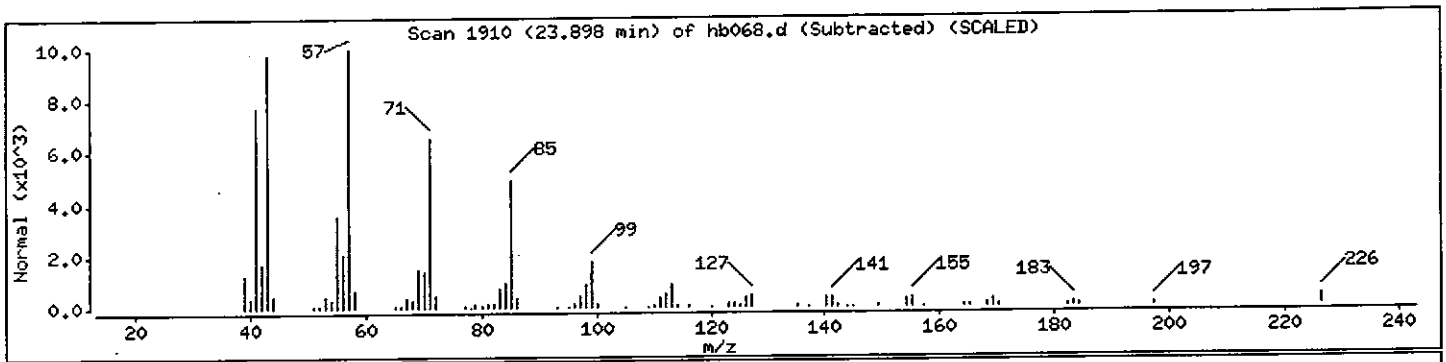
Volume Injected (uL): 2.0

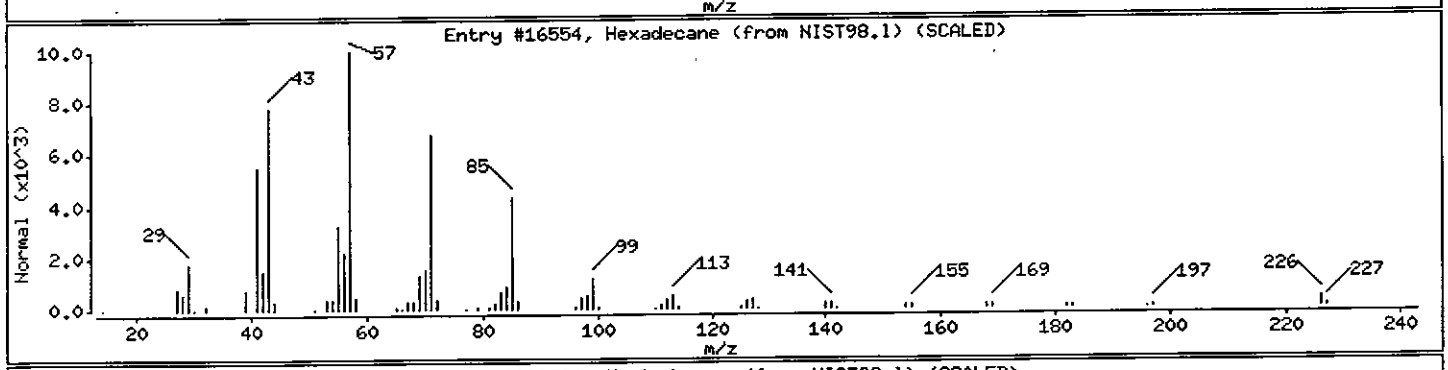
Operator: lmh00956

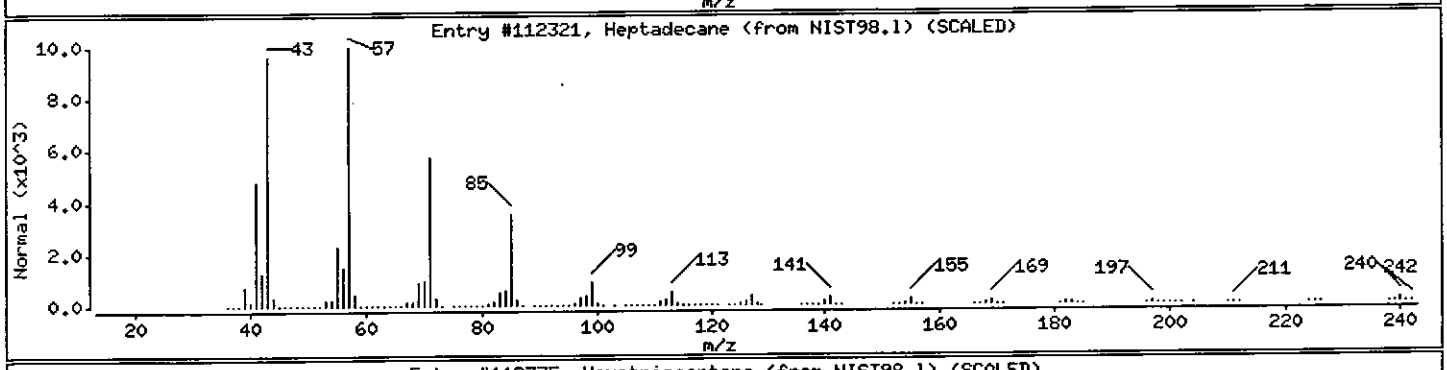
Column phase: J&W DB-5.625

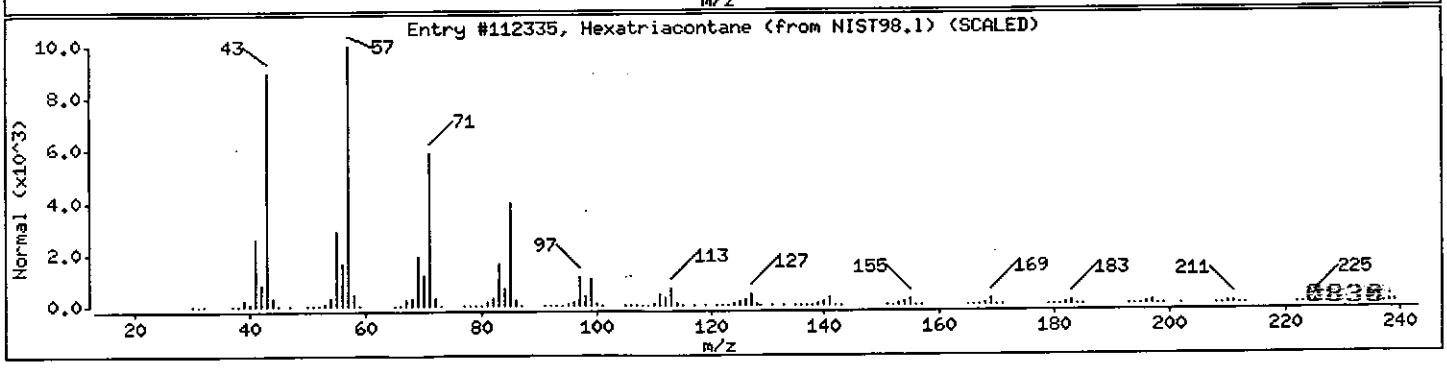
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	16554	98	C16H34	226
Heptadecane	629-78-7	NIST98.1	112321	91	C17H36	240
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

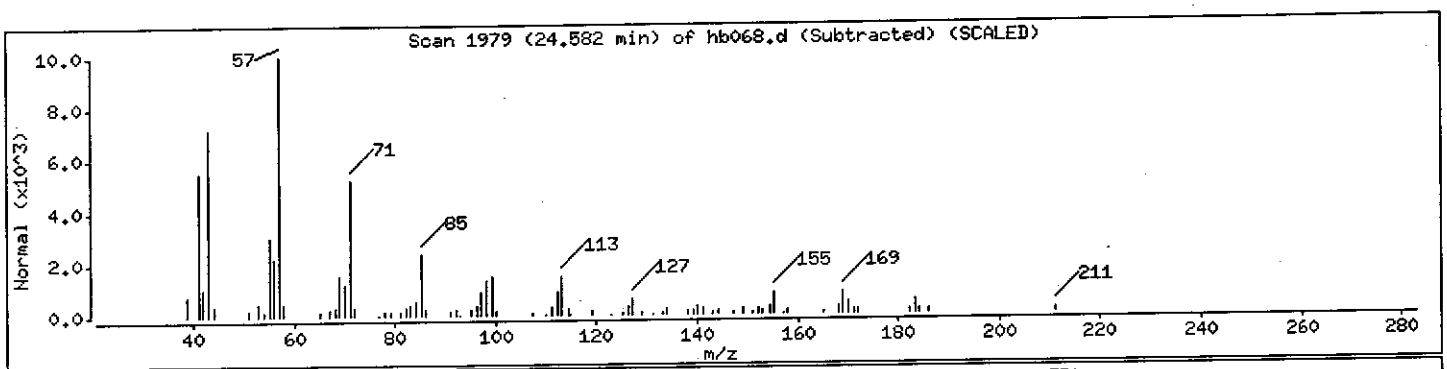
Volume Injected (uL): 2.0

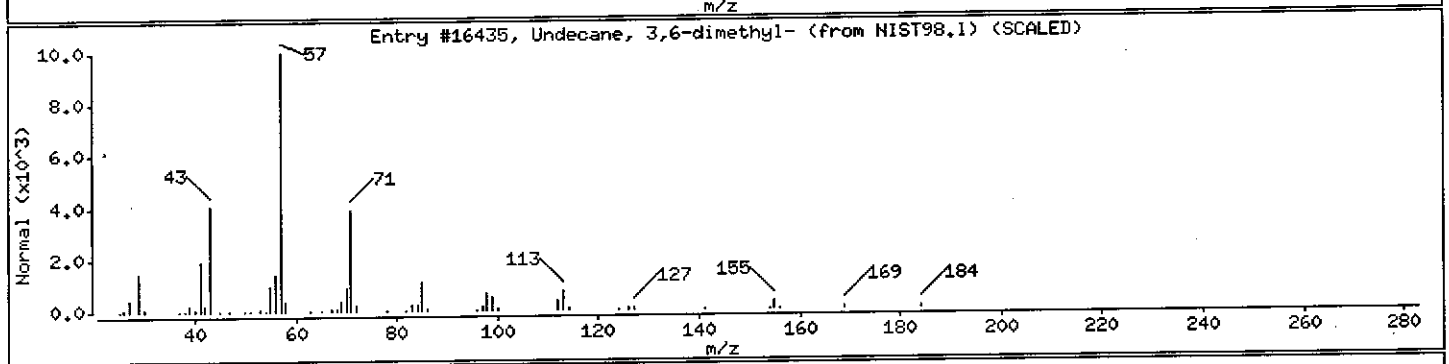
Operator: lmh00956

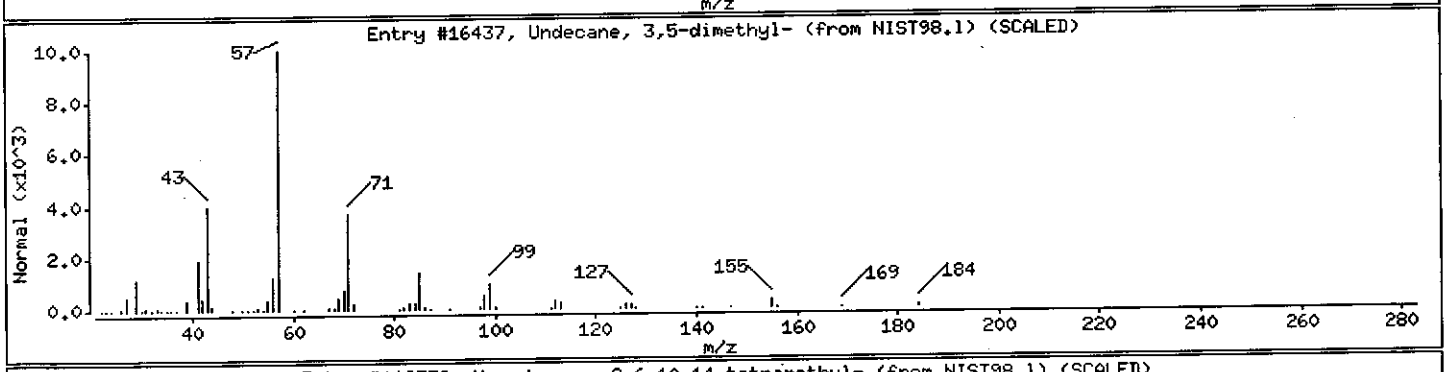
Column phase: J&W DB-5.625

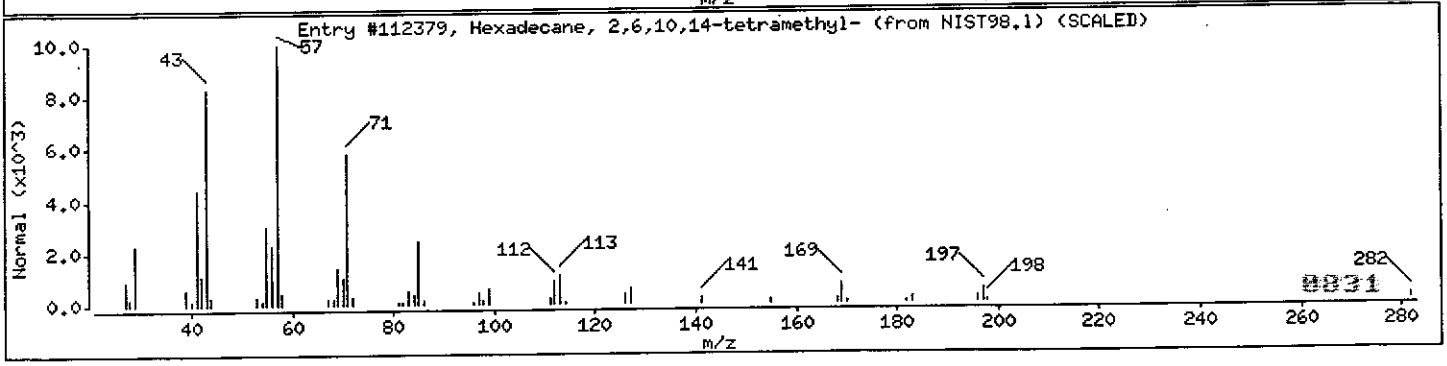
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 3,6-dimethyl-	17301-28-9	NIST98.1	16435	81	C13H28	184
Undecane, 3,5-dimethyl-	17312-81-1	NIST98.1	16437	81	C13H28	184
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	112379	80	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

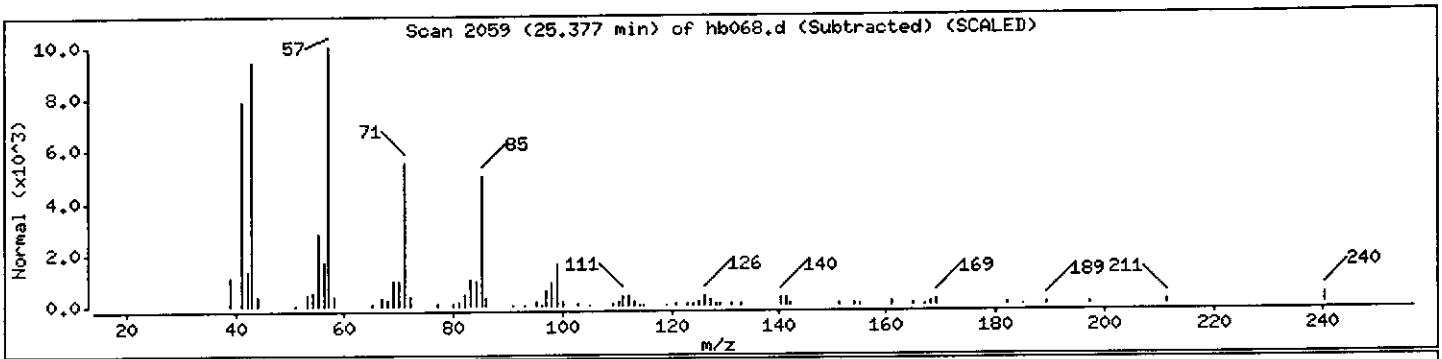
Volume Injected (uL): 2.0

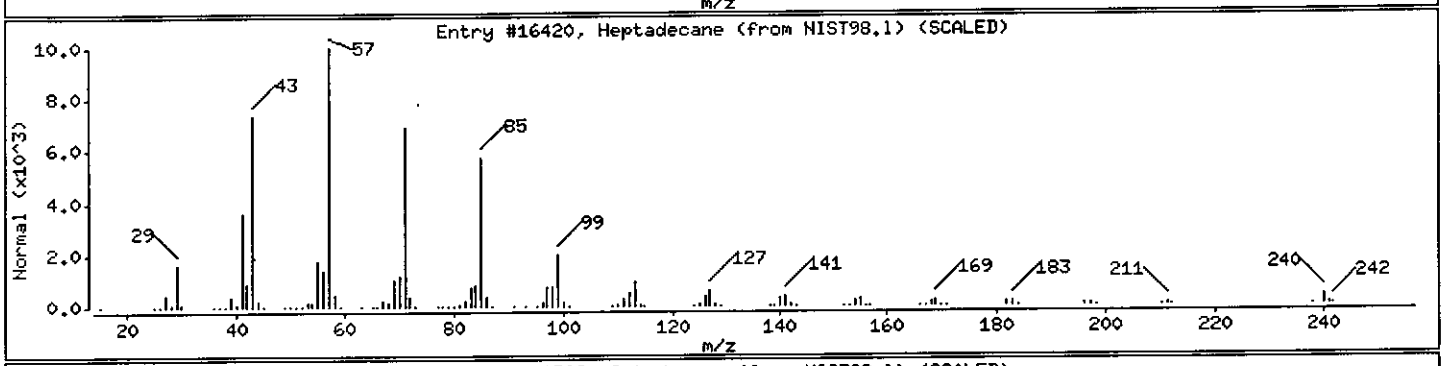
Operator: lmh00956

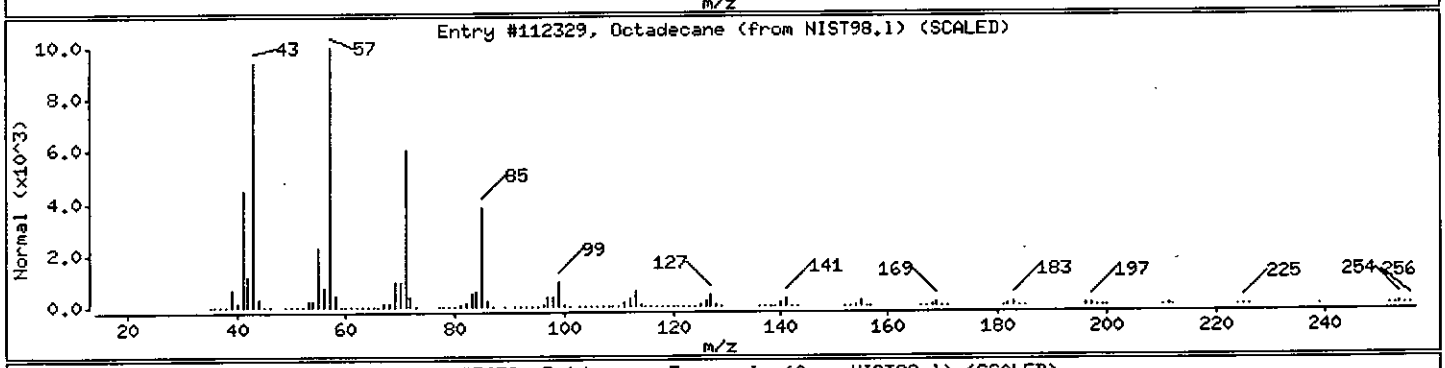
Column phase: J&W DB-5.625

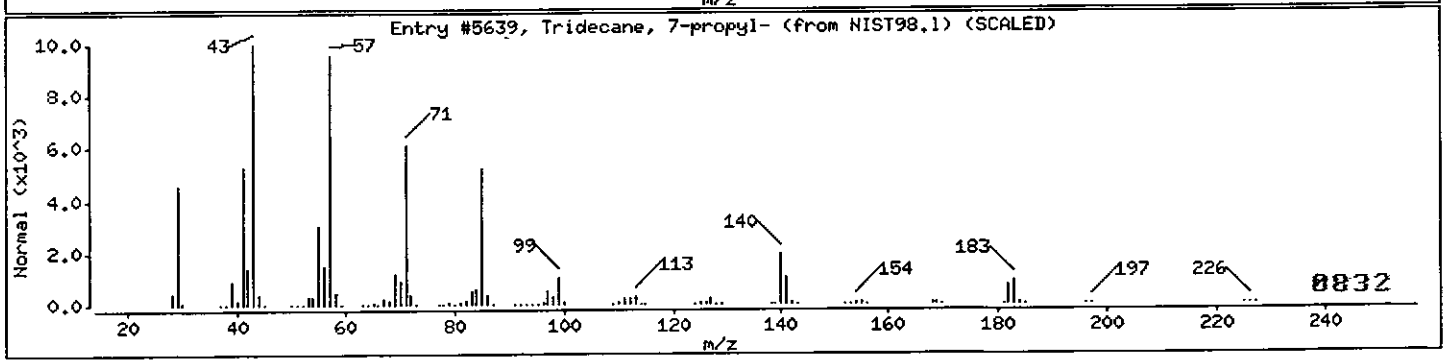
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	95	C17H36	240
Octadecane	593-45-3	NIST98.1	112329	80	C18H38	254
Tridecane, 7-propyl-	55045-09-5	NIST98.1	5639	80	C16H34	226









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

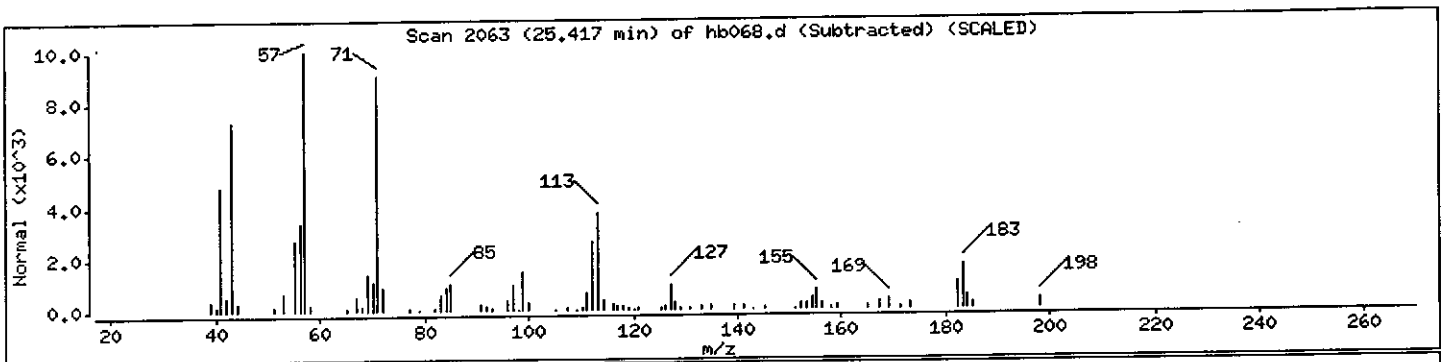
Volume Injected (uL): 2.0

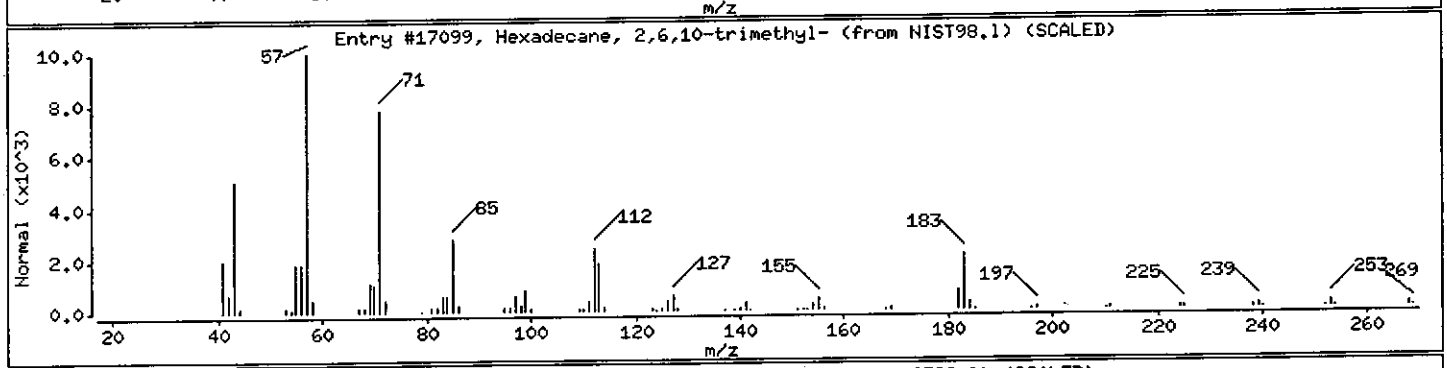
Operator: lmh00956

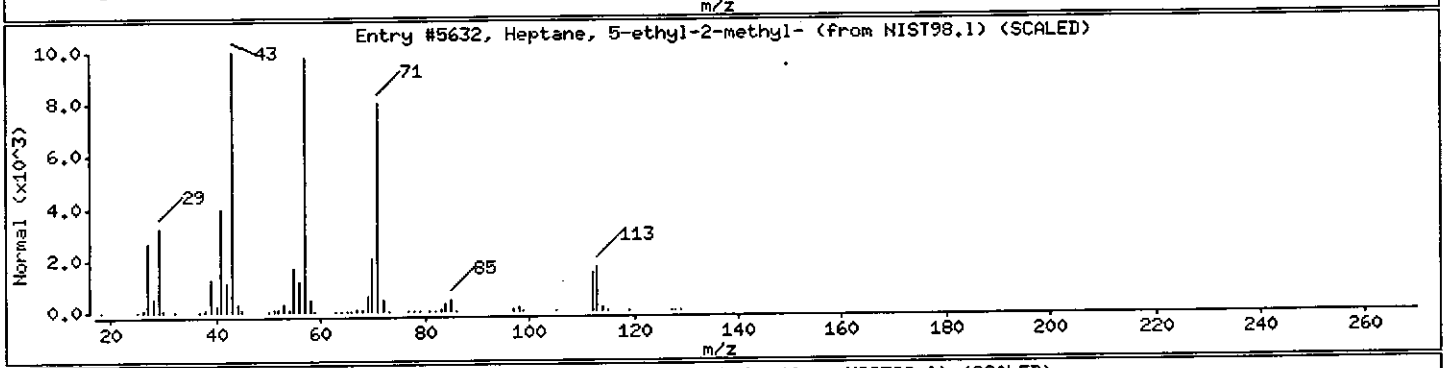
Column phase: J&W DB-5.625

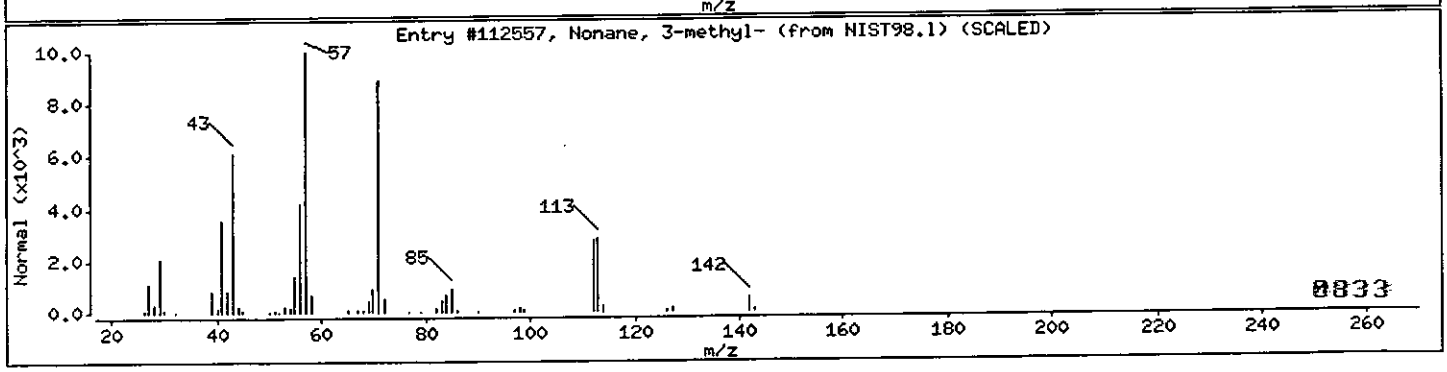
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10-trimethyl-	55000-52-7	NIST98.1	17099	80	C19H40	268
Heptane, 5-ethyl-2-methyl-	13475-78-0	NIST98.1	5632	53	C10H22	142
Nonane, 3-methyl-	5911-04-6	NIST98.1	112557	53	C10H22	142









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

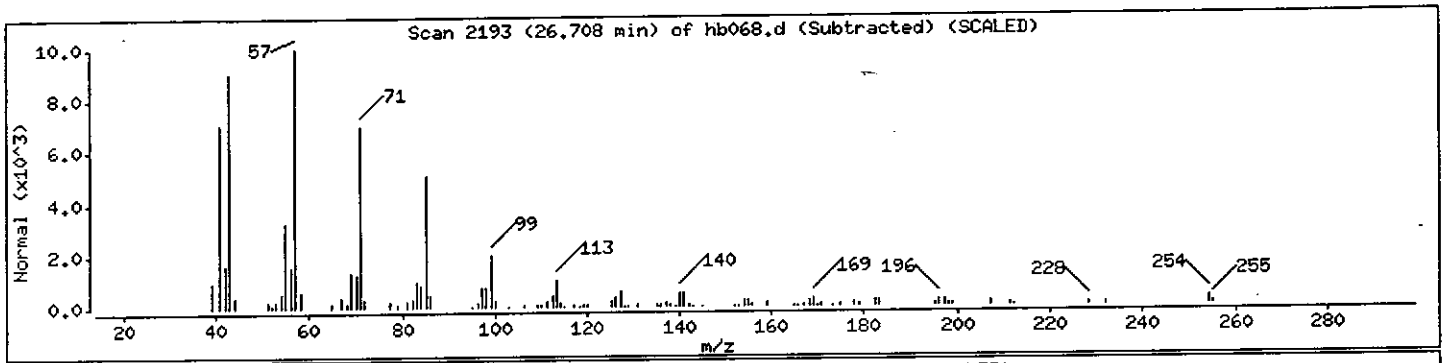
Volume Injected (uL): 2.0

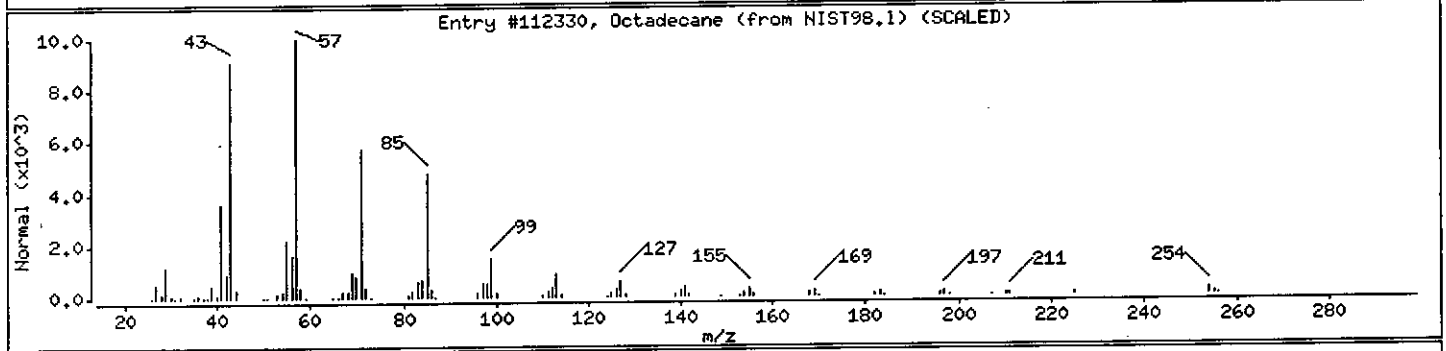
Operator: lmh00956

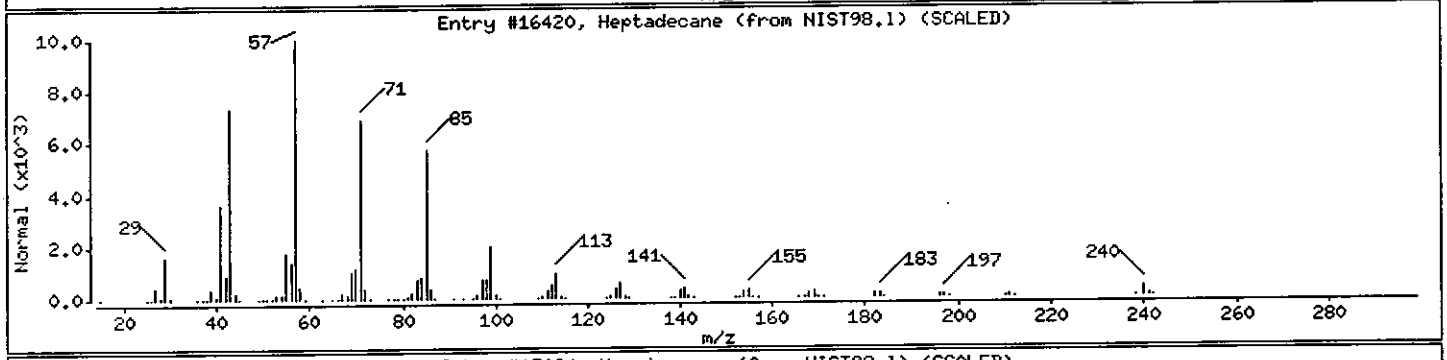
Column phase: J&W DB-5.625

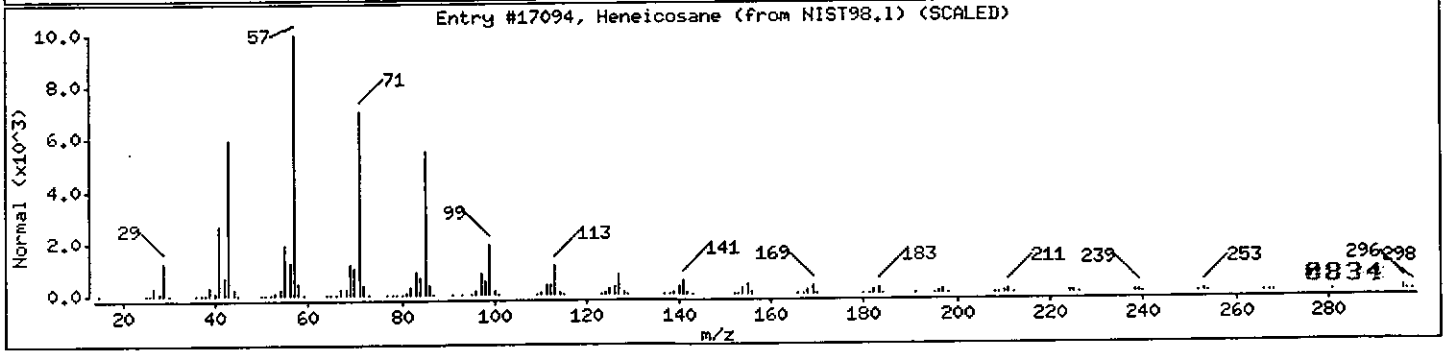
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST98.1	112330	98	C18H38	254
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296









0834

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

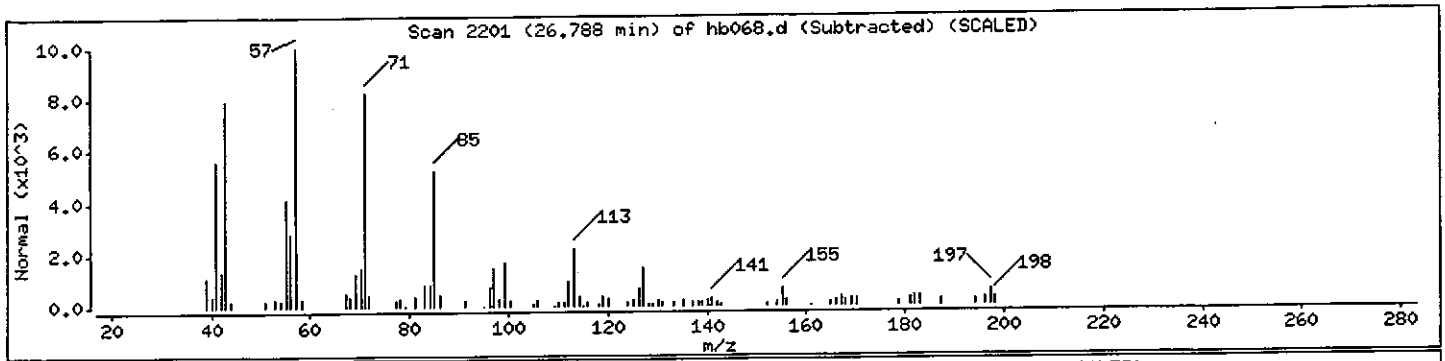
Volume Injected (uL): 2.0

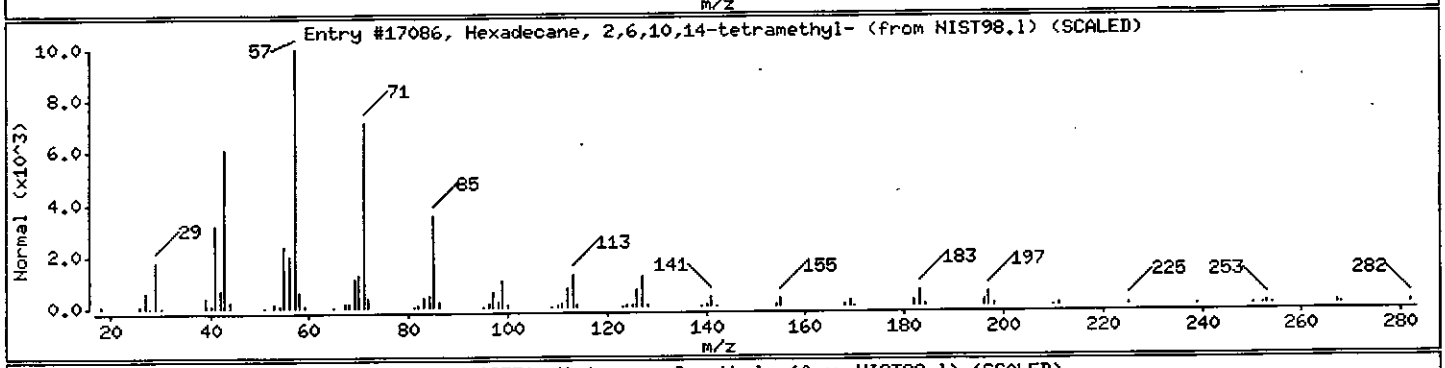
Operator: lmh00956

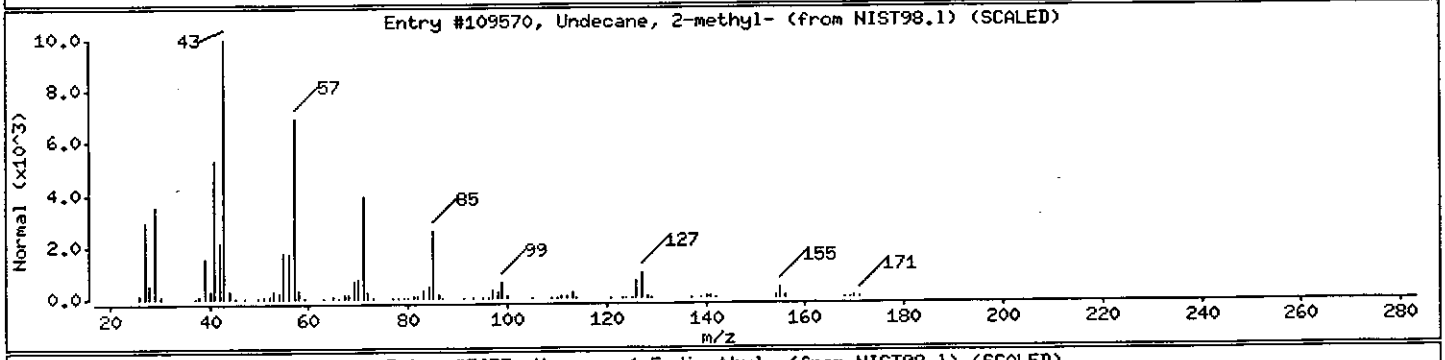
Column phase: J&W DB-5.625

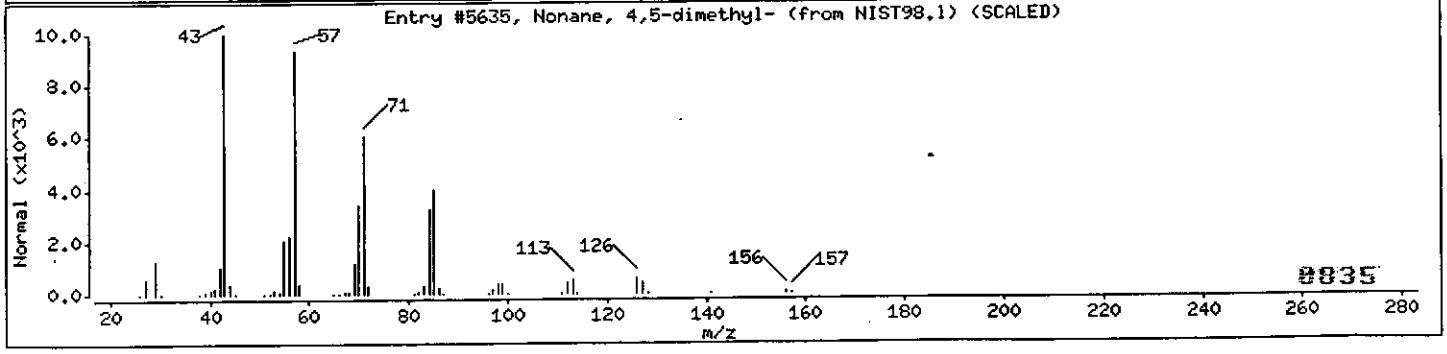
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	17086	86	C20H42	282
Undecane, 2-methyl-	7045-71-8	NIST98.1	109570	81	C12H26	170
Nonane, 4,5-dimethyl-	17302-23-7	NIST98.1	5635	81	C11H24	156









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

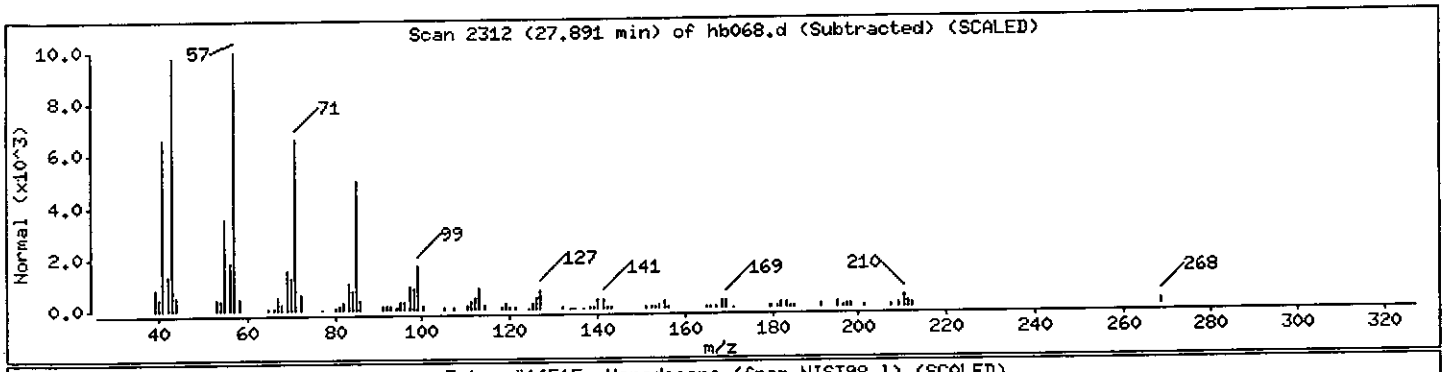
Volume Injected (uL): 2.0

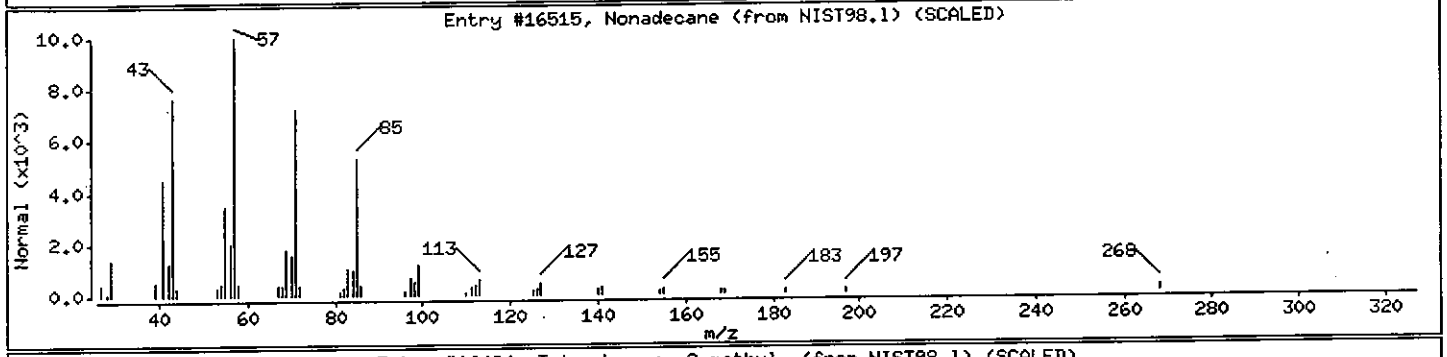
Operator: lmh00956

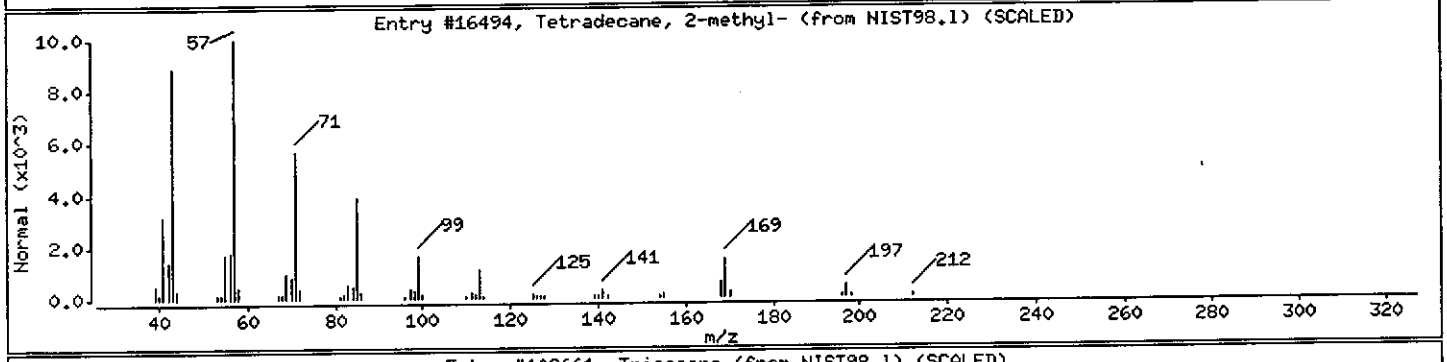
Column phase: J&W DB-5.625

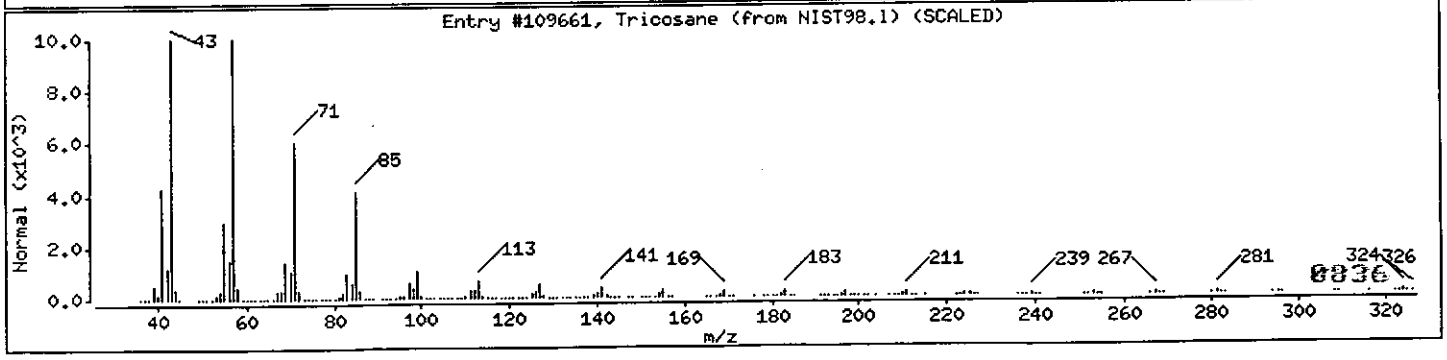
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	16515	98	C19H40	268
Tetradecane, 2-methyl-	1560-95-8	NIST98.1	16494	93	C15H32	212
Tricosane	638-67-5	NIST98.1	109661	87	C23H48	324









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

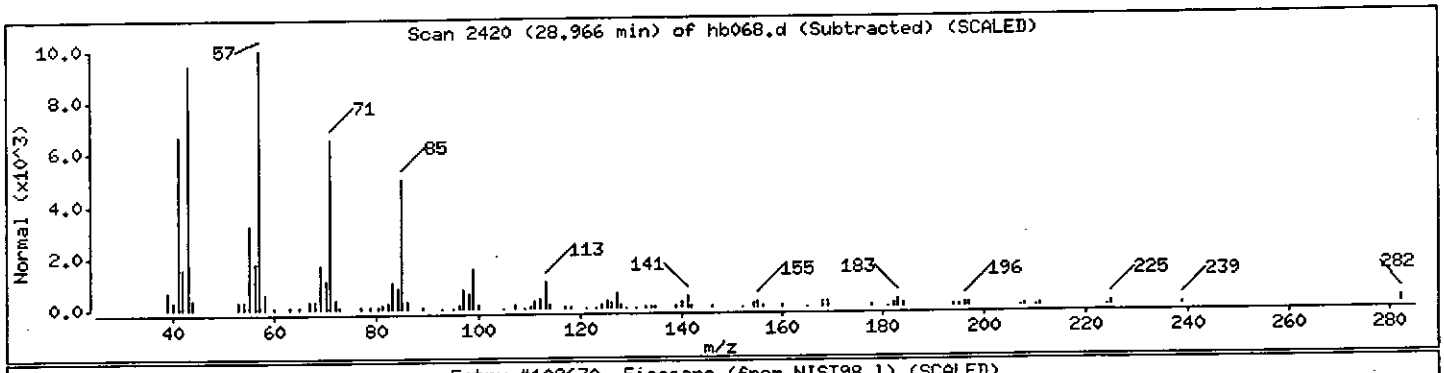
Volume Injected (uL): 2.0

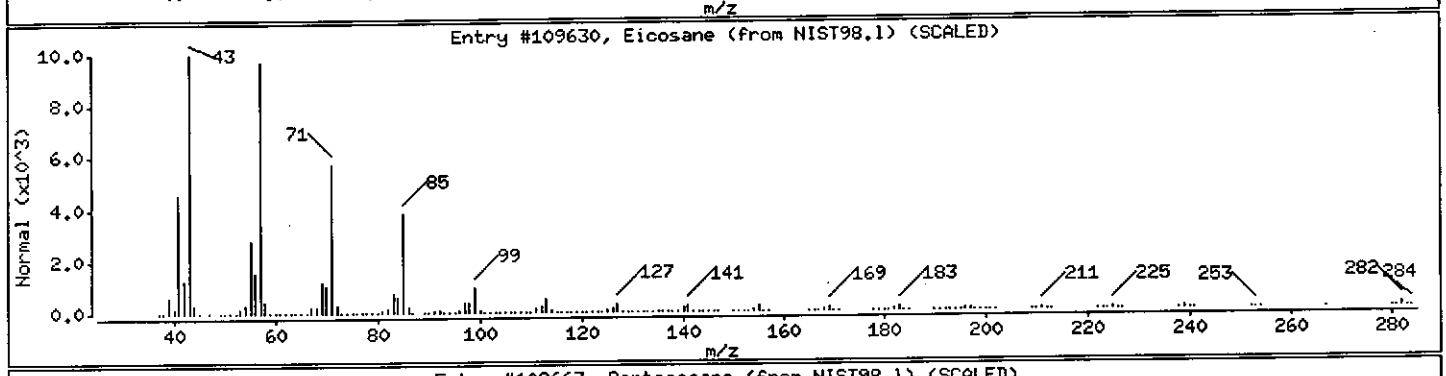
Operator: lmh00956

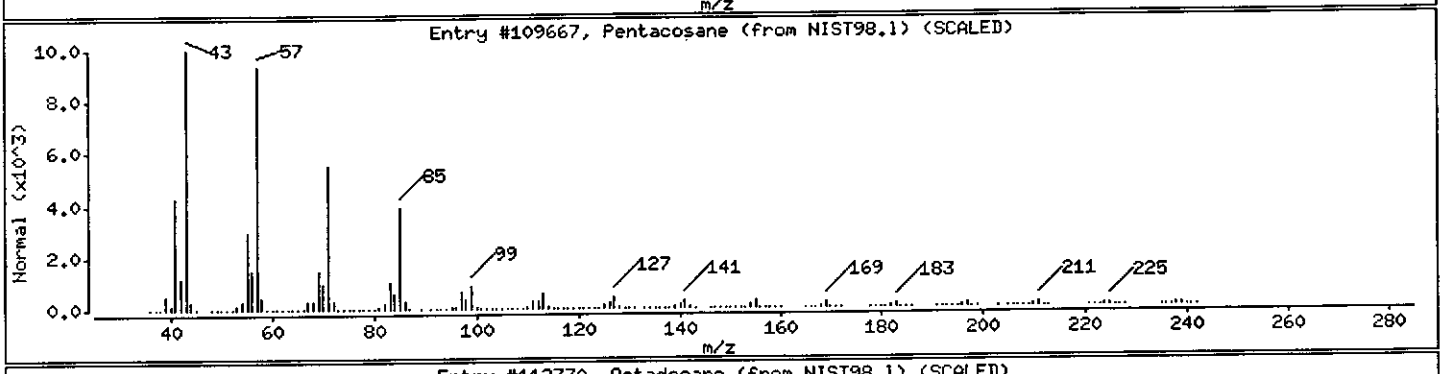
Column phase: J&W DB-5.625

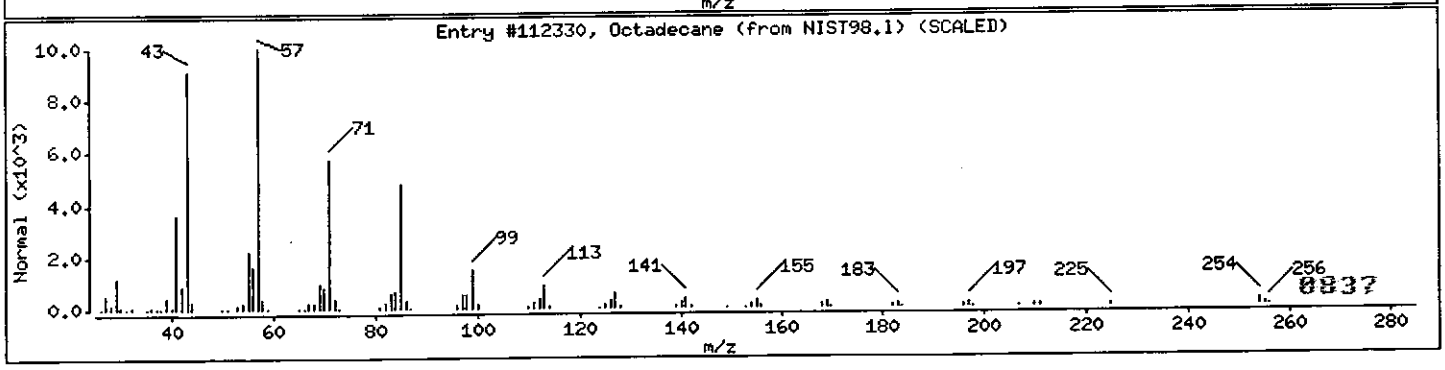
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	109630	98	C20H42	282
Pentacosane	629-99-2	NIST98.1	109667	91	C25H52	352
Octadecane	593-45-3	NIST98.1	112330	91	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

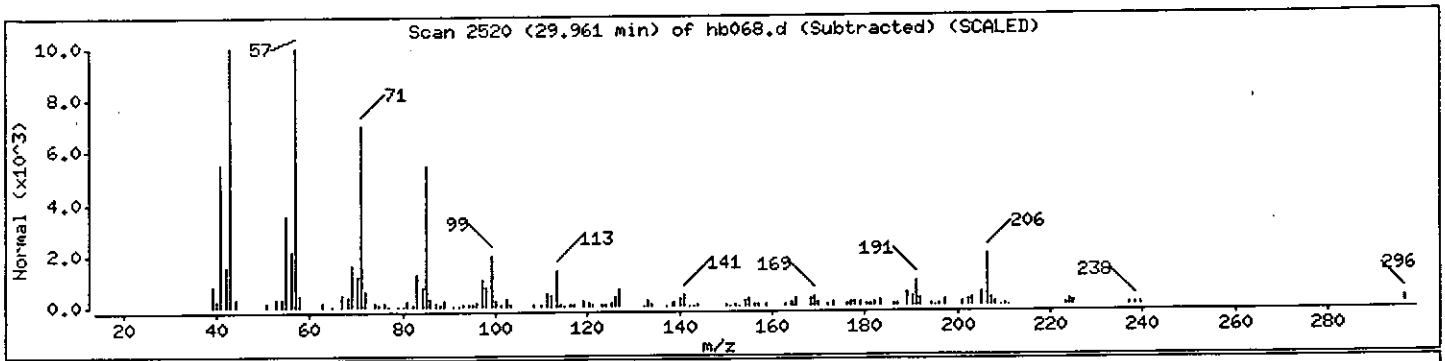
Volume Injected (uL): 2.0

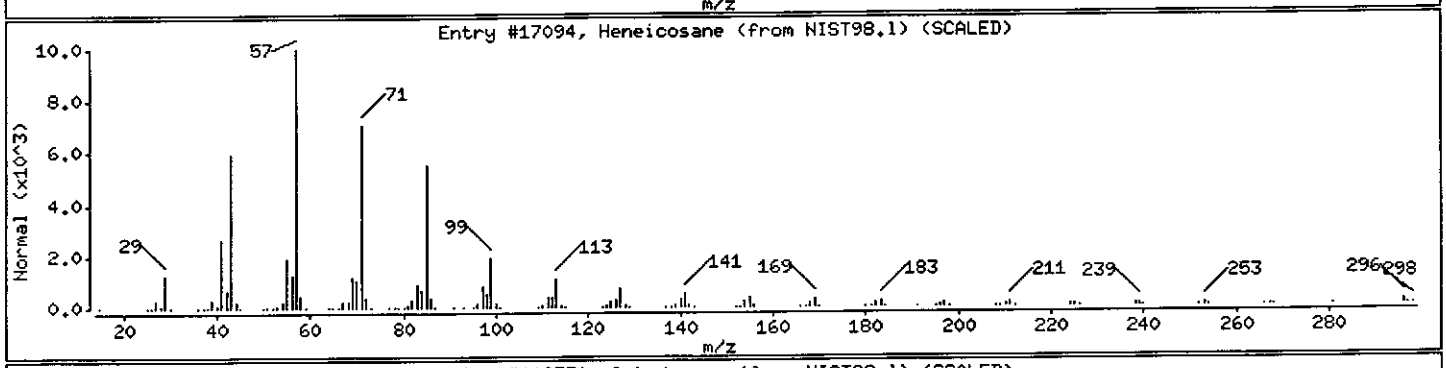
Operator: lmh00956

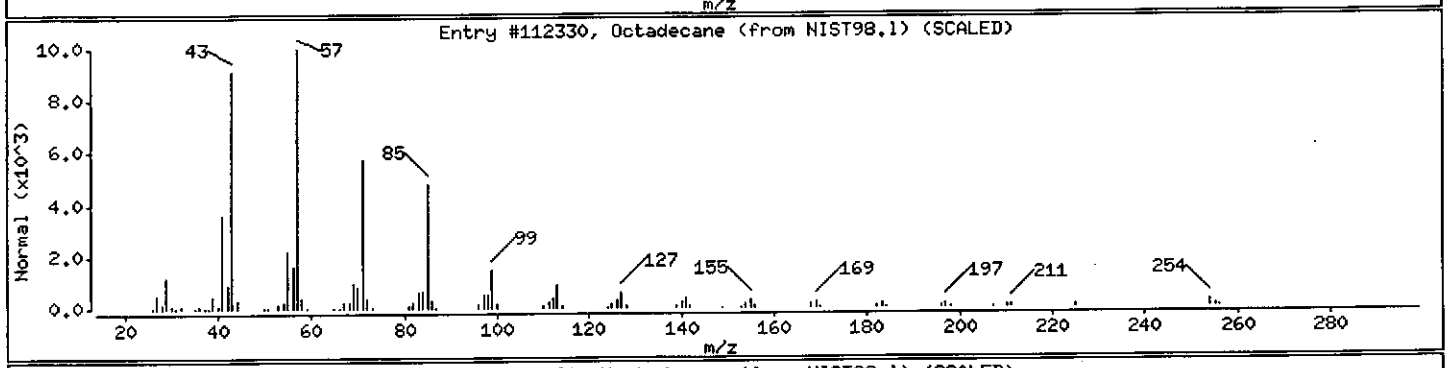
Column phase: J&W DB-5.625

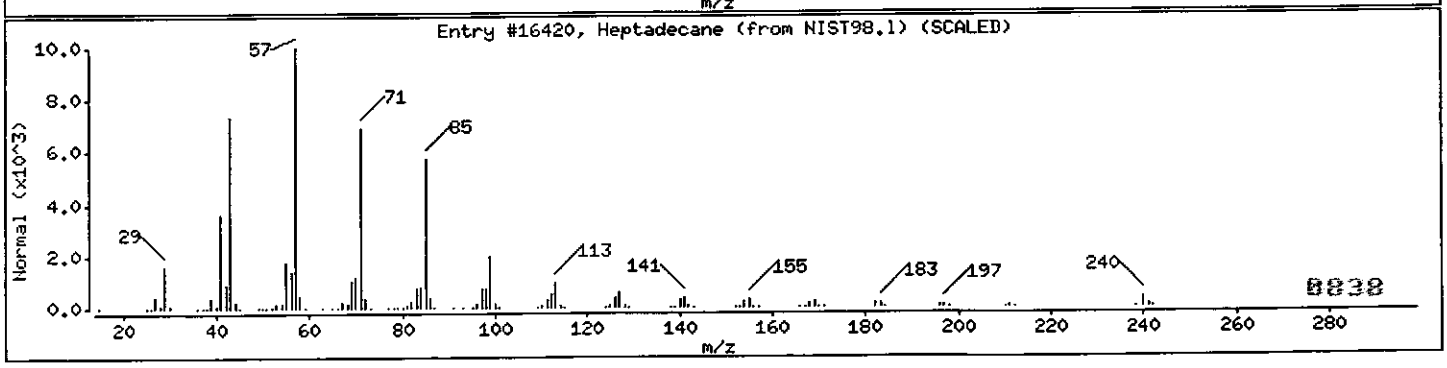
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	98	C21H44	296
Octadecane	593-45-3	NIST98.1	112330	81	C18H38	254
Heptadecane	629-78-7	NIST98.1	16420	76	C17H36	240









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Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

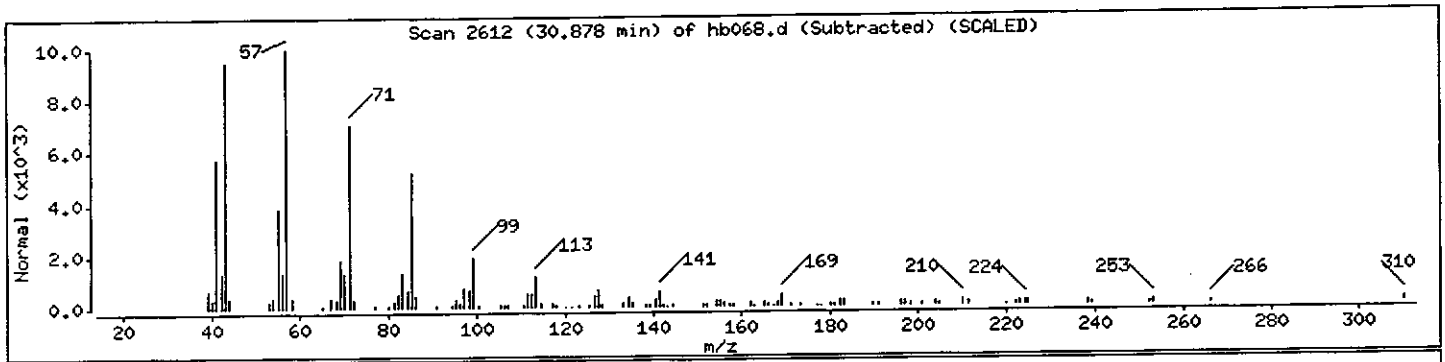
Volume Injected (uL): 2.0

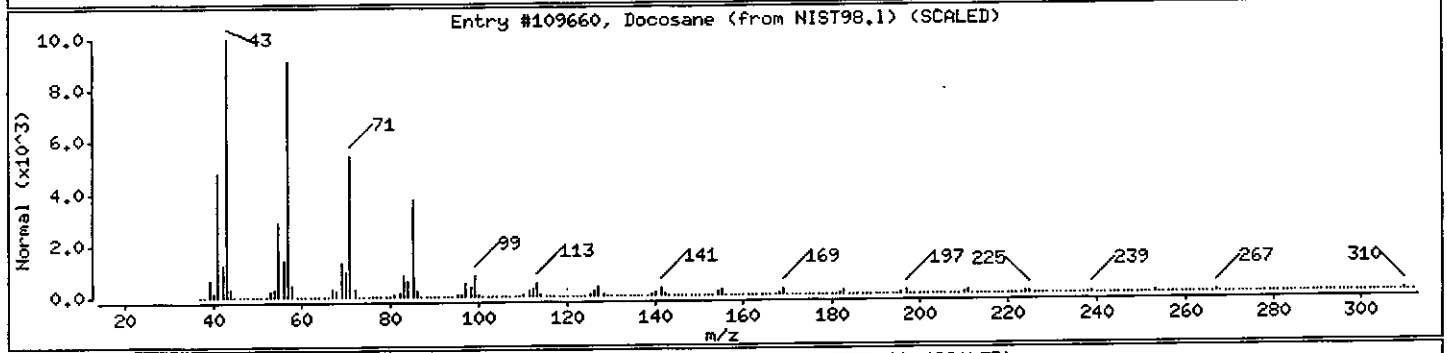
Operator: lmh00956

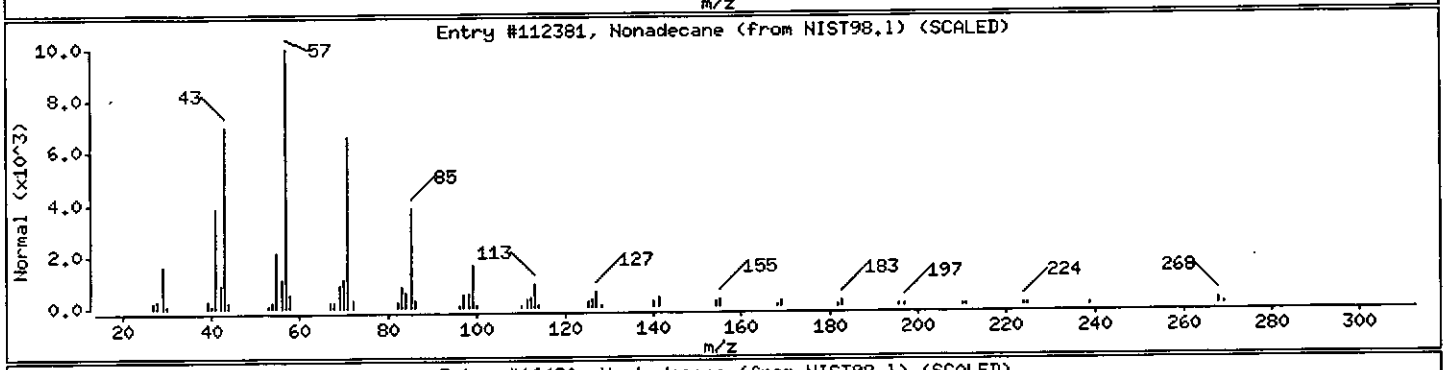
Column phase: J&W DB-5.625

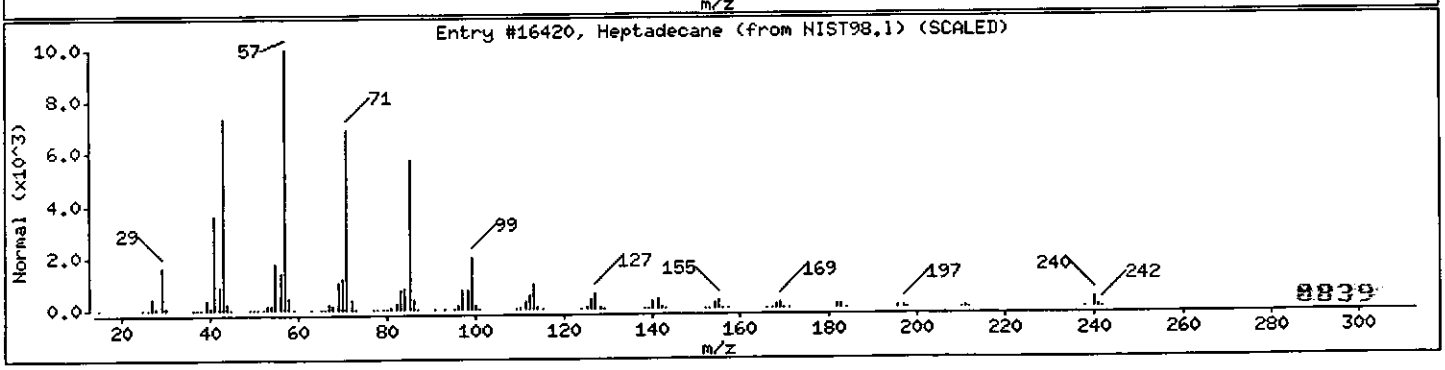
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	109660	98	C22H46	310
Nonadecane	629-92-5	NIST98.1	112381	90	C19H40	268
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

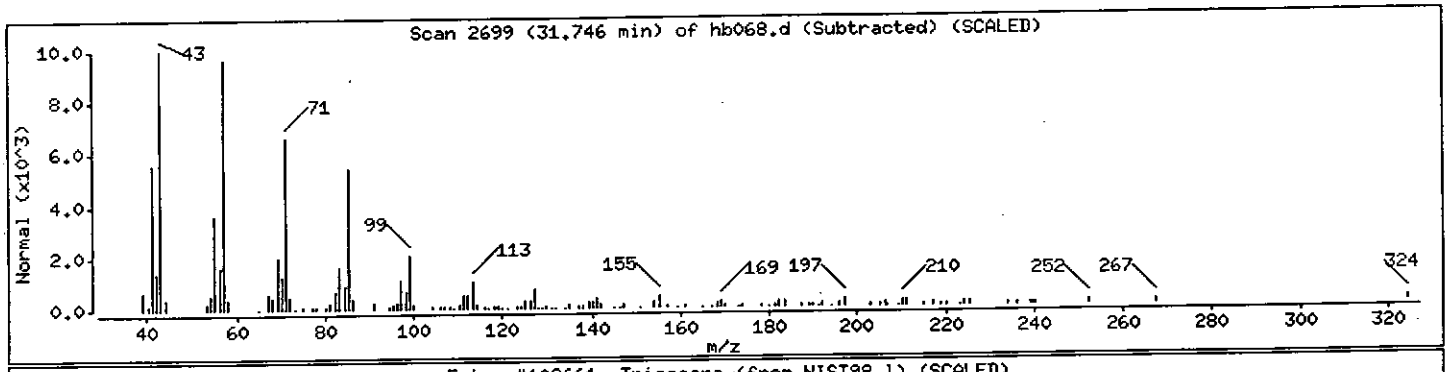
Volume Injected (uL): 2.0

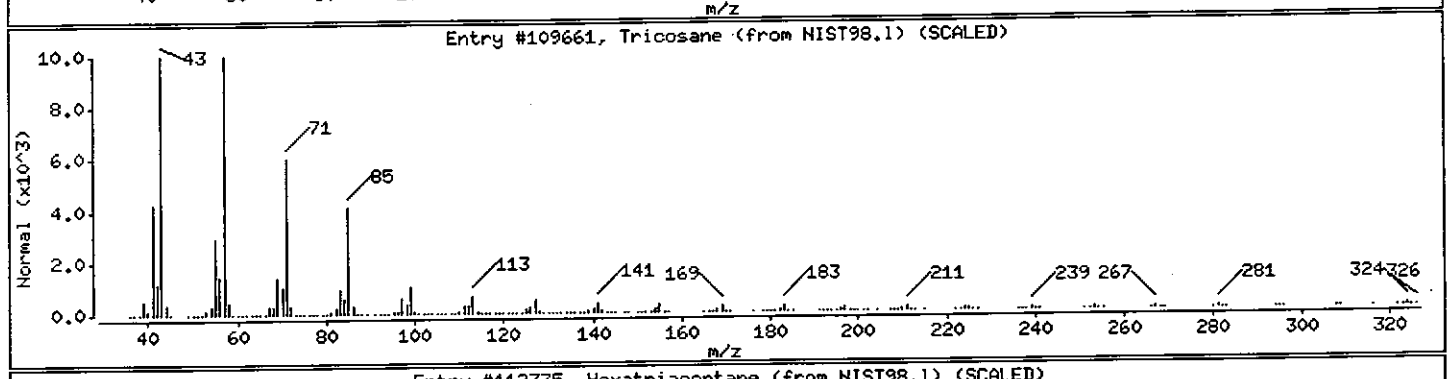
Operator: lmh00956

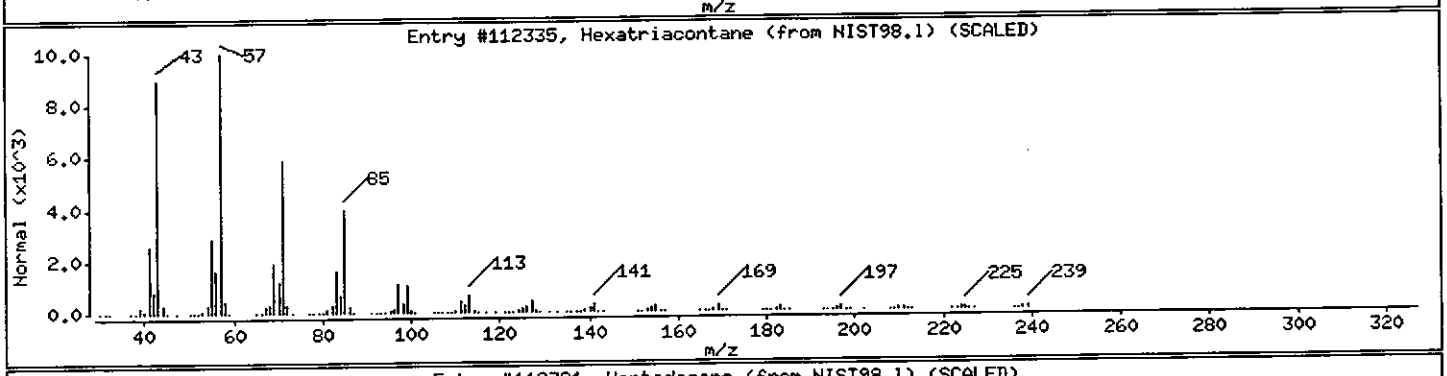
Column phase: J&W DB-5.625

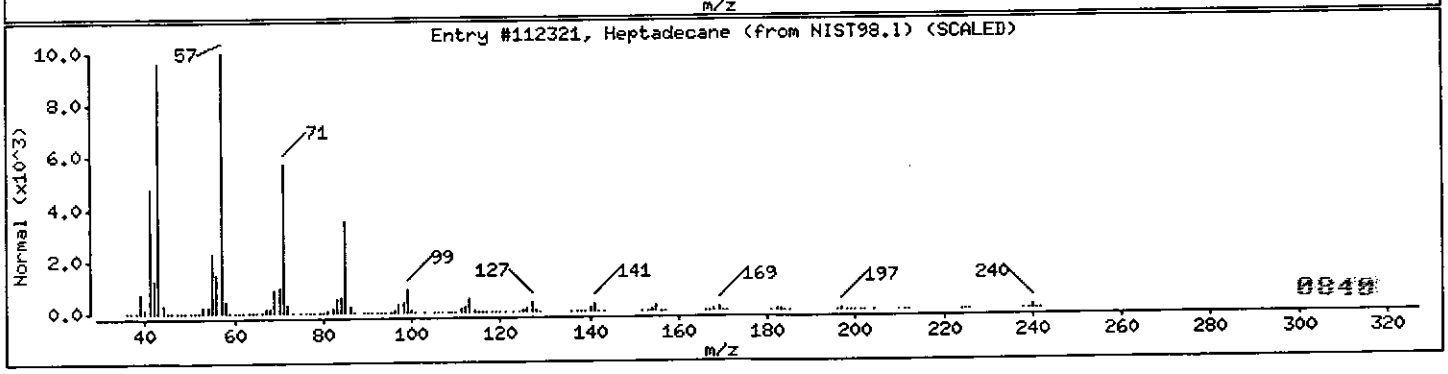
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109661	98	C23H48	324
Hexatriacontane	630-06-8	NIST98.1	112335	93	C36H74	507
Heptadecane	629-78-7	NIST98.1	112321	92	C17H36	240









0848

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Sample Info: 6008-;4692571;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

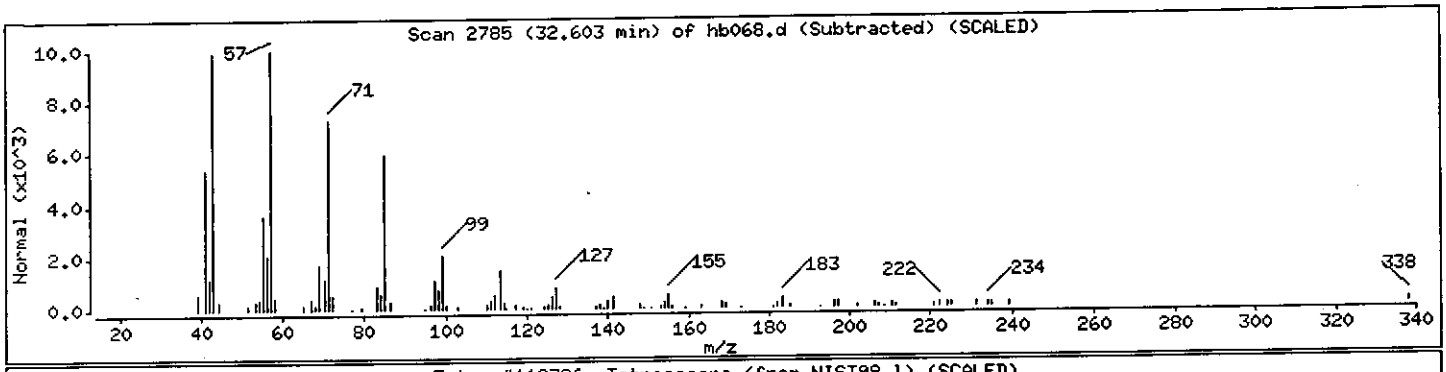
Instrument: HP04629.i

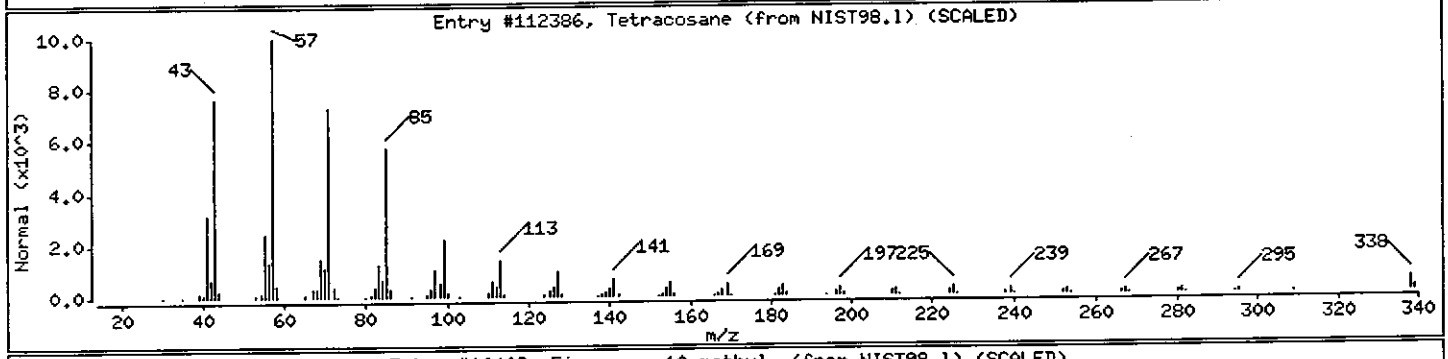
Operator: lmh00956

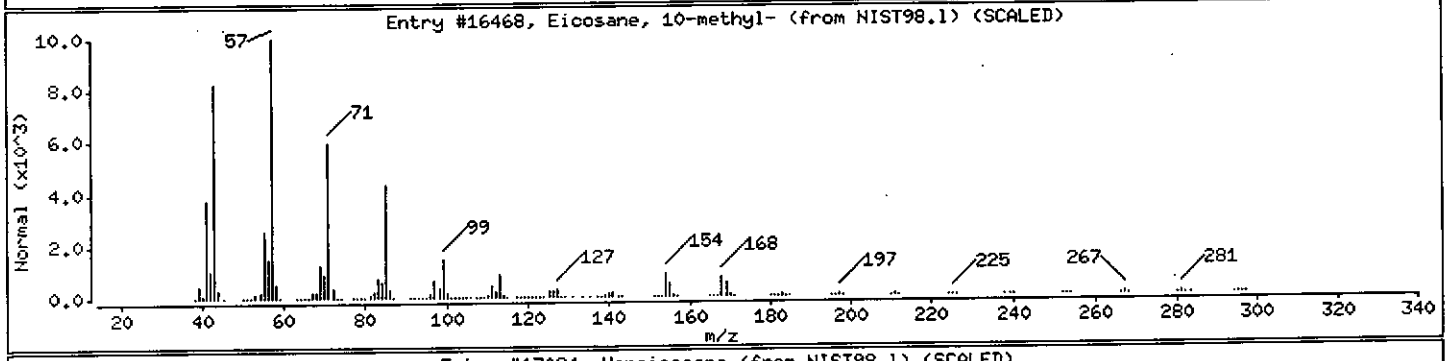
Column diameter: 0.25

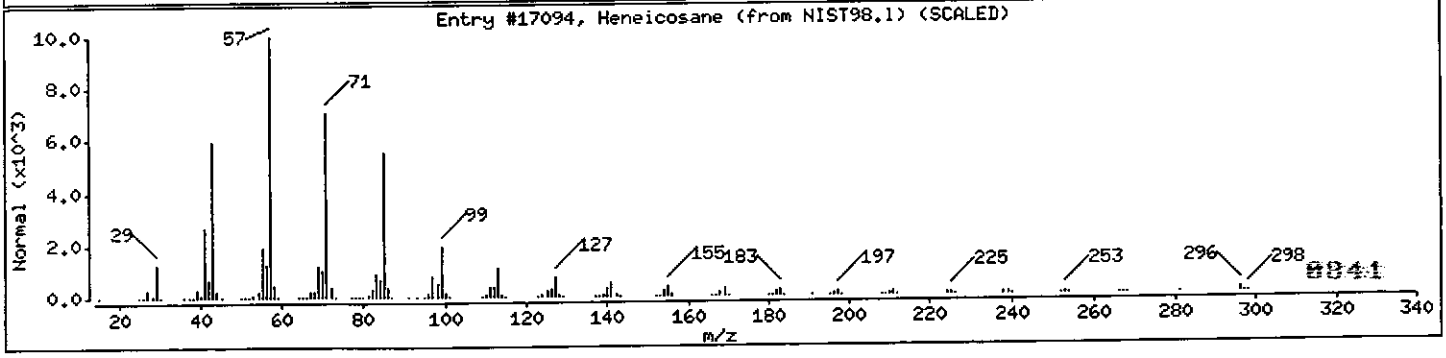
(B) LMN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracosane	646-31-1	NIST98.1	112386	91	C24H50	338
Eicosane, 10-methyl-	54833-23-7	NIST98.1	16468	91	C21H44	296
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

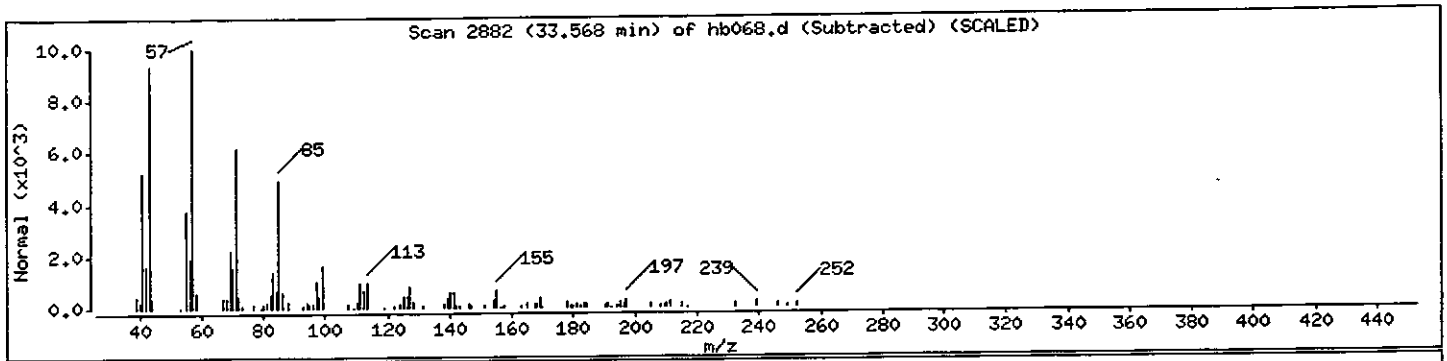
Volume Injected (uL): 2.0

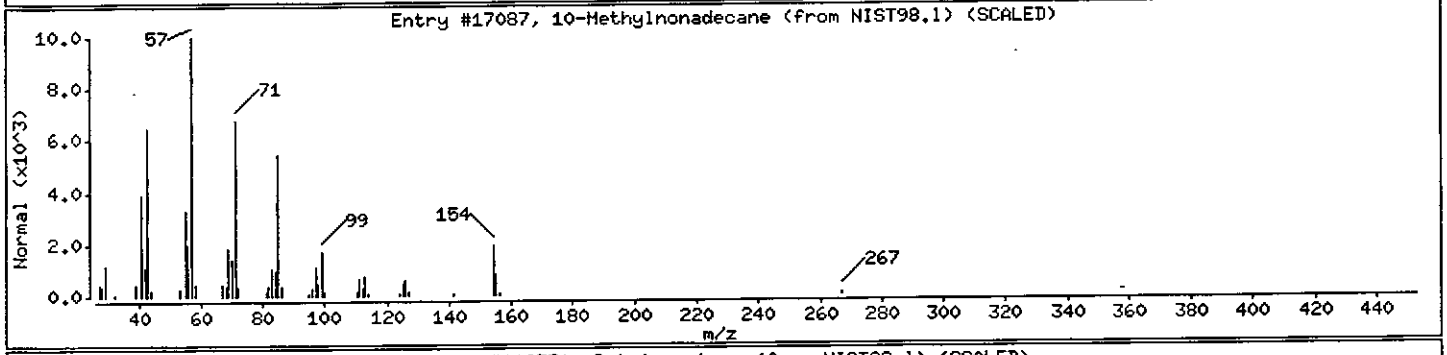
Operator: lmh00956

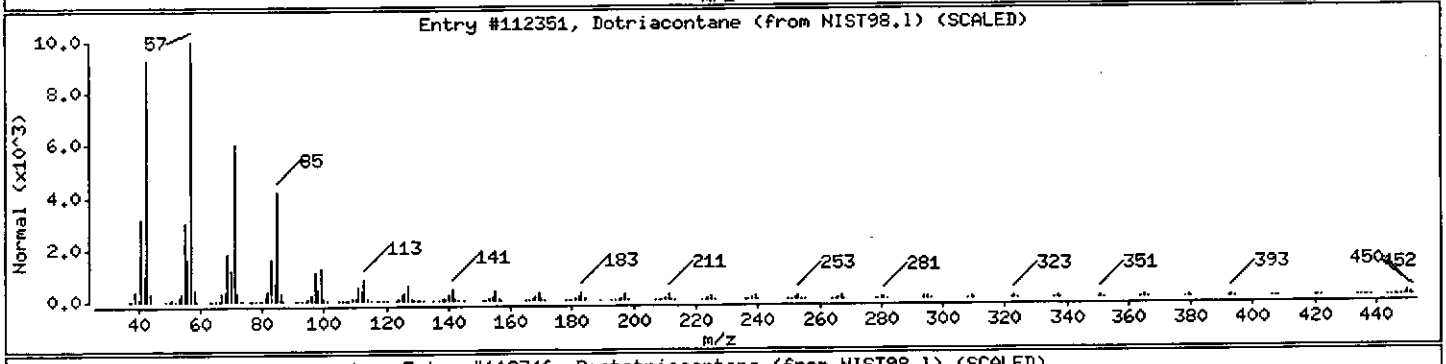
Column phase: J&W DB-5.625

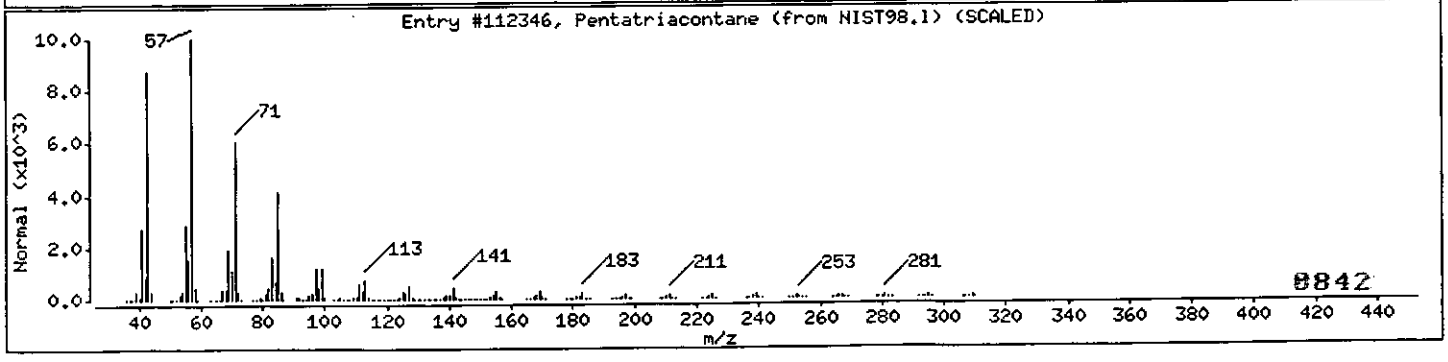
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
10-Methylnonadecane	56862-62-5	NIST98.1	17087	91	C20H42	282
Dotriacontane	544-85-4	NIST98.1	112351	91	C32H66	451
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

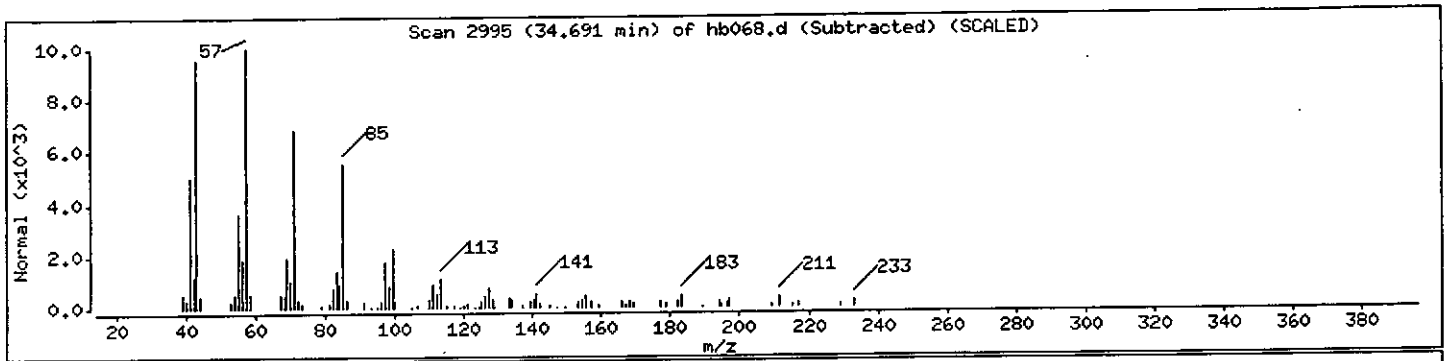
Volume Injected (uL): 2.0

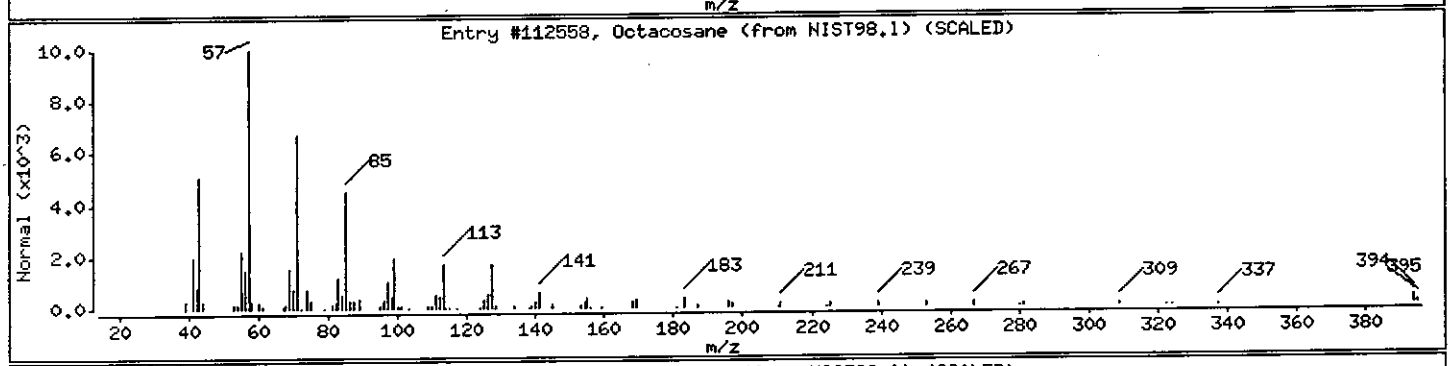
Operator: lmh00956

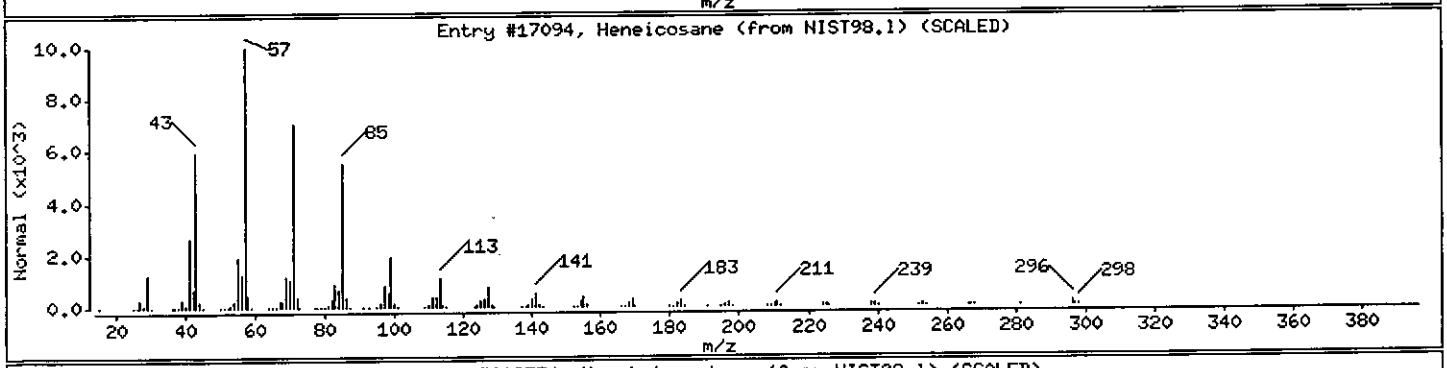
Column phase: J&W DB-5.625

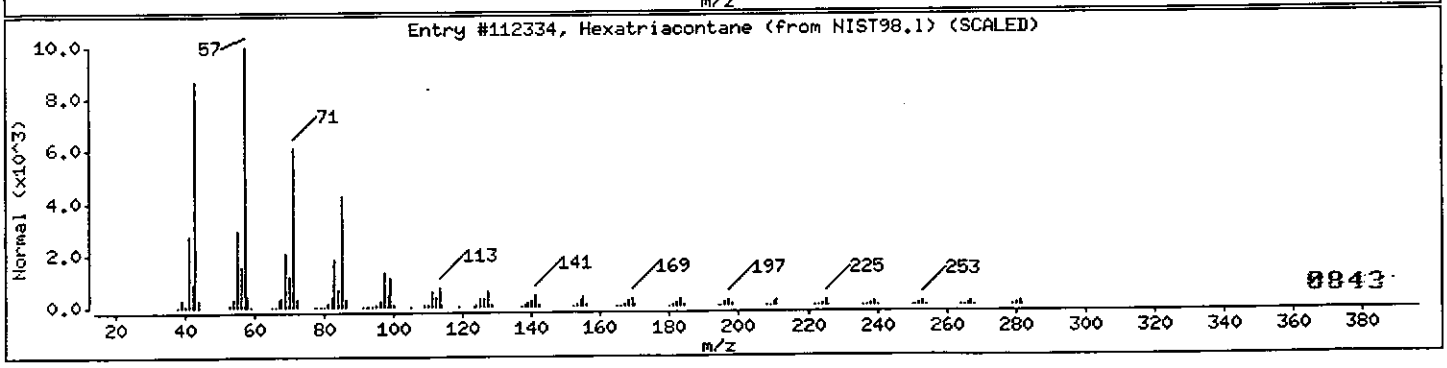
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octacosane	630-02-4	NIST98.1	112558	83	C28H58	394
Heneicosane	629-94-7	NIST98.1	17094	83	C21H44	296
Hexatriacontane	630-06-8	NIST98.1	112334	83	C36H74	507









0843

Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

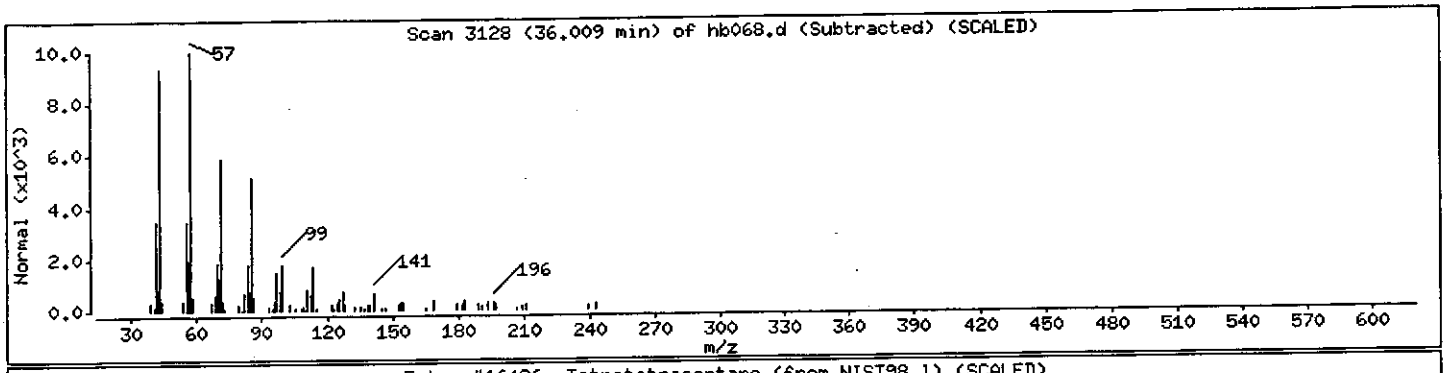
Volume Injected (uL): 2.0

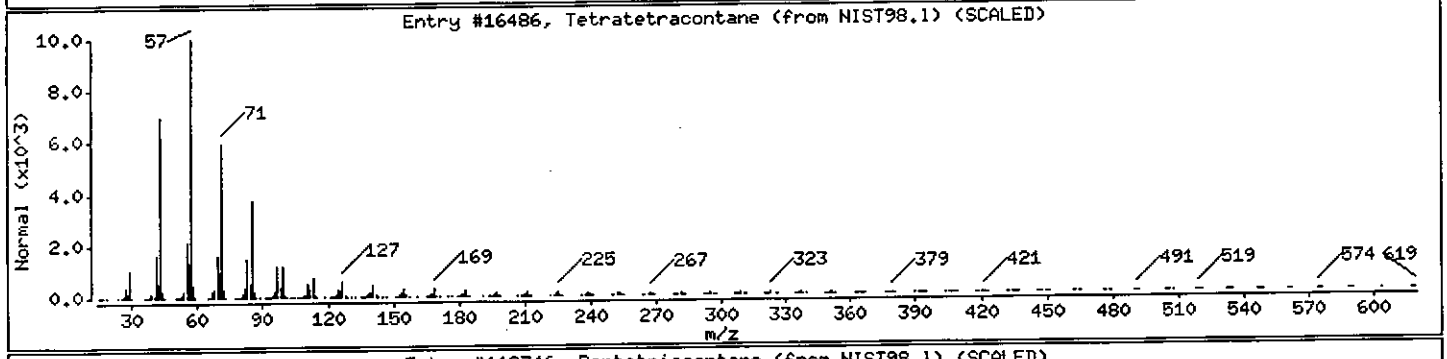
Operator: lmh00956

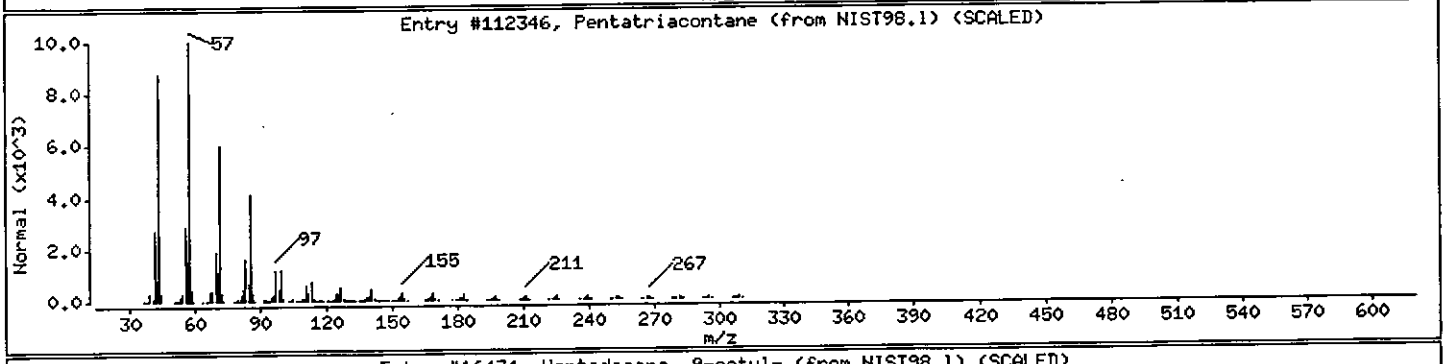
Column phase: J&W DB-5.625

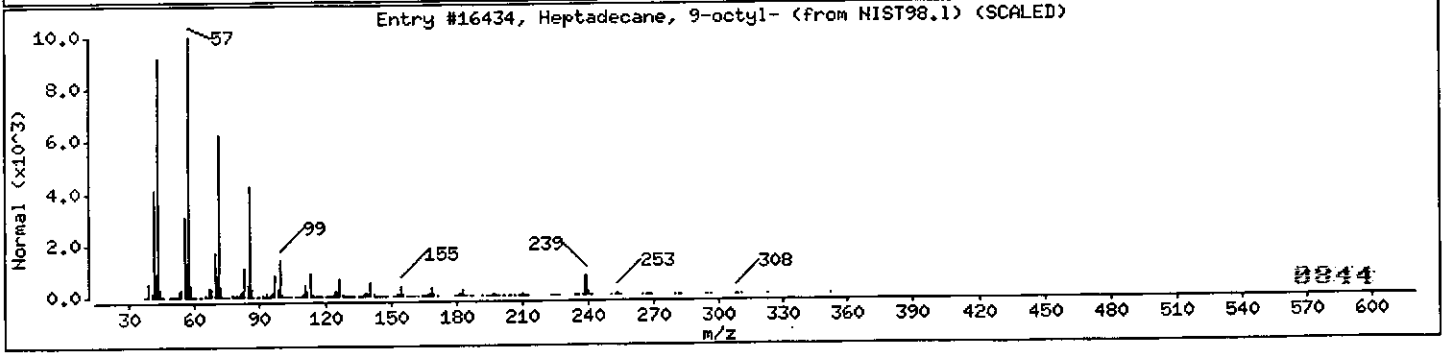
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratetracontane	7098-22-8	NIST98.1	16486	91	C44H90	619
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493
Heptadecane, 9-octyl-	7225-64-1	NIST98.1	16434	91	C25H52	352









Data File: /chem/HP04629.i/06feb06a.b/hb068.d

Date : 07-FEB-2006 05:16

Client ID: 6008-

Instrument: HP04629.i

Sample Info: 6008-;4692571;

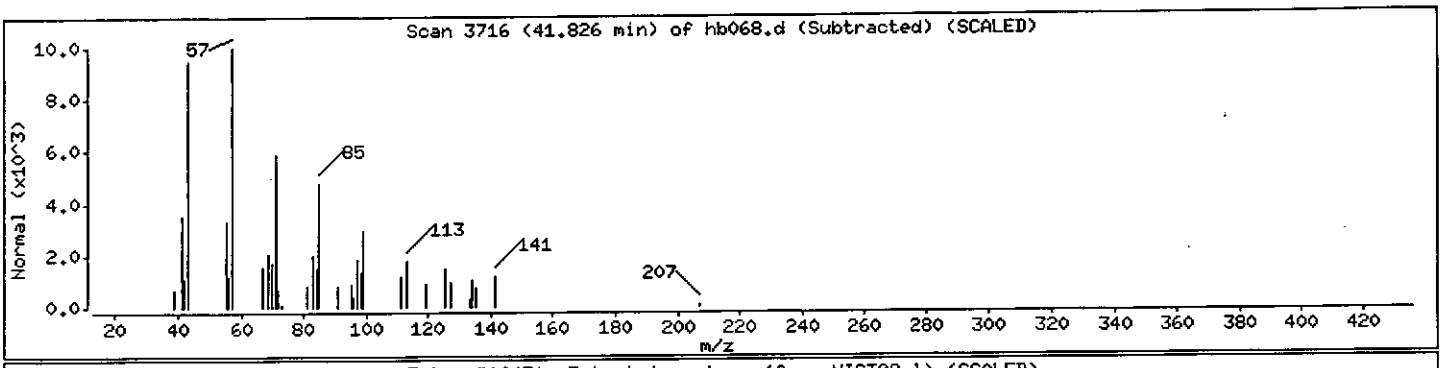
Volume Injected (uL): 2.0

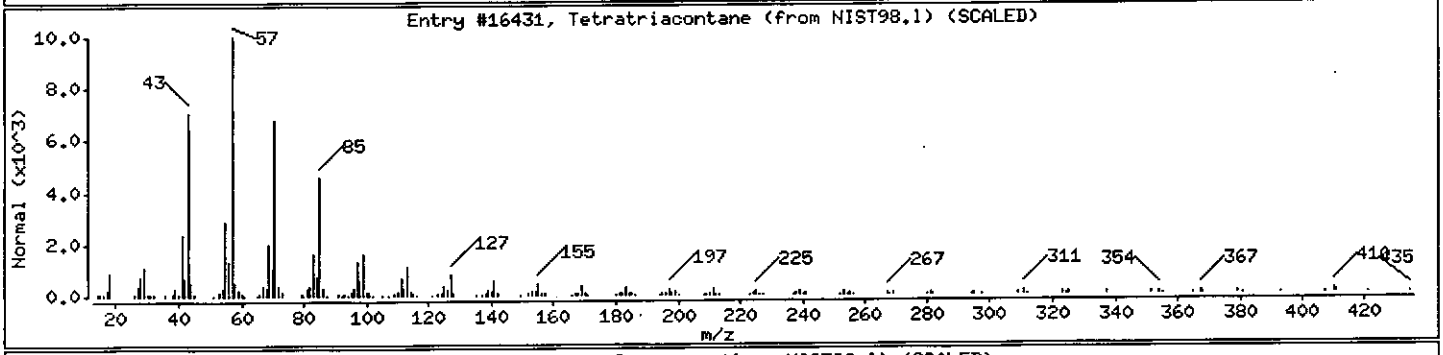
Operator: lmh00956

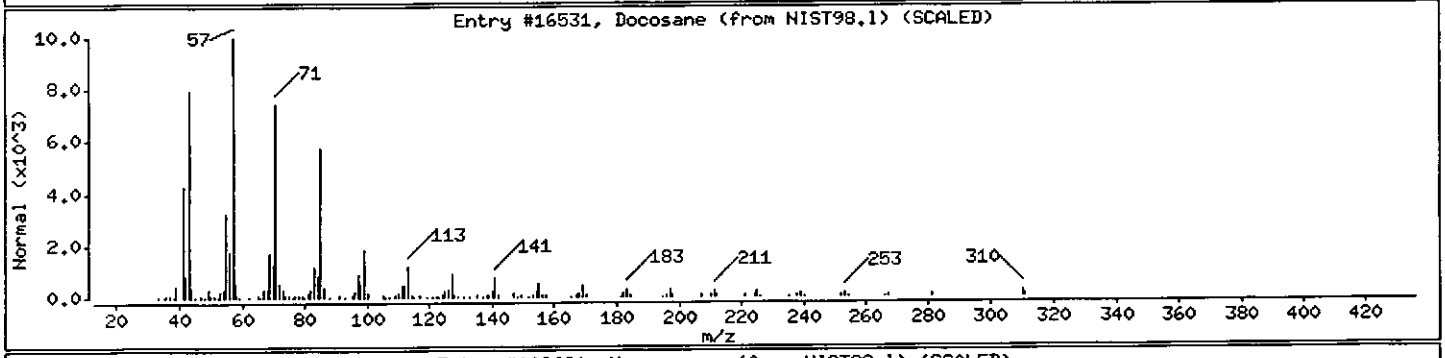
Column phase: J&W DB-5.625

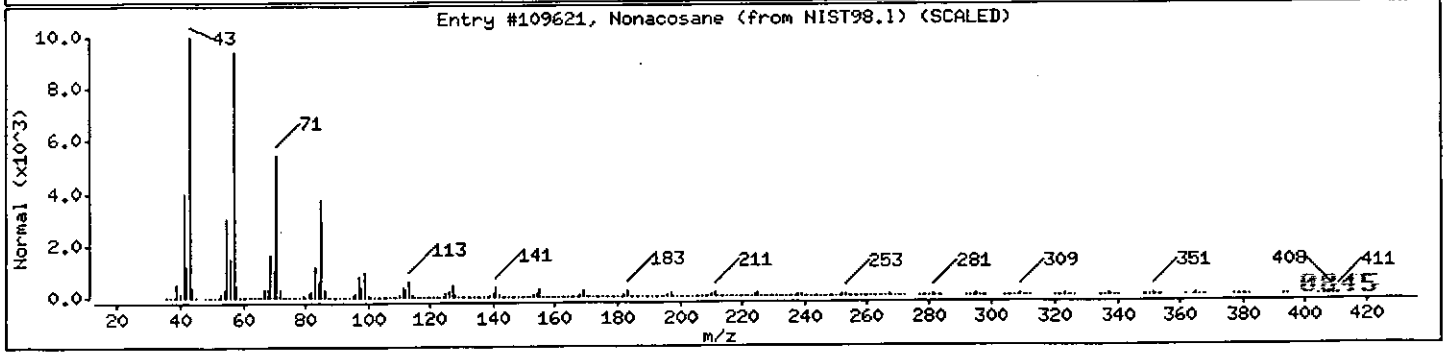
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratriacontane	14167-59-0	NIST98.1	16431	64	C34H70	479
Docosane	629-97-0	NIST98.1	16531	59	C22H46	310
Nonacosane	630-03-5	NIST98.1	109621	53	C29H60	408









1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 30 (g/mL) G Lab File ID: hb069.d

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

% Moisture: not dec: 13 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	38	U
111-44-4	bis(2-Chloroethyl)ether	38	U
95-57-8	2-Chlorophenol	38	U
541-73-1	1,3-Dichlorobenzene	38	U
106-46-7	1,4-Dichlorobenzene	38	U
95-50-1	1,2-Dichlorobenzene	38	U
95-48-7	2-Methylphenol	38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	38	U
106-44-5	4-Methylphenol	38	U
621-64-7	N-Nitroso-di-n-propylamine	38	U
67-72-1	Hexachloroethane	38	U
98-95-3	Nitrobenzene	38	U
78-59-1	Isophorone	38	U
88-75-5	2-Nitrophenol	38	U
105-67-9	2,4-Dimethylphenol	77	U
111-91-1	bis(2-Chloroethoxy)methane	38	U
120-83-2	2,4-Dichlorophenol	38	U
120-82-1	1,2,4-Trichlorobenzene	38	U
91-20-3	Naphthalene	38	U
106-47-8	4-Chloroaniline	150	U
87-68-3	Hexachlorobutadiene	38	U
59-50-7	4-Chloro-3-methylphenol	38	U
91-57-6	2-Methylnaphthalene	38	U
77-47-4	Hexachlorocyclopentadiene	77	U
88-06-2	2,4,6-Trichlorophenol	38	U
95-95-4	2,4,5-Trichlorophenol	38	U
91-58-7	2-Chloronaphthalene	38	U
88-74-4	2-Nitroaniline	38	U
131-11-3	Dimethylphthalate	38	U
606-20-2	2,6-Dinitrotoluene	38	U

0046

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 30 (g/mL) G Lab File ID: hb069.d

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

% Moisture: not dec: 13 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	38	U
99-09-2	3-Nitroaniline	77	U
83-32-9	Acenaphthene	38	U
51-28-5	2,4-Dinitrophenol	190	U
100-02-7	4-Nitrophenol	38	U
132-64-9	Dibenzofuran	38	U
121-14-2	2,4-Dinitrotoluene	38	U
84-66-2	Diethylphthalate	38	U
7005-72-3	4-Chlorophenyl-phenylether	38	U
86-73-7	Fluorene	38	U
100-01-6	4-Nitroaniline	77	U
534-52-1	4,6-Dinitro-2-methylphenol	38	U
86-30-6	N-Nitrosodiphenylamine	38	U
101-55-3	4-Bromophenyl-phenylether	38	U
118-74-1	Hexachlorobenzene	38	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	48	J
120-12-7	Anthracene	38	U
86-74-8	Carbazole	38	U
84-74-2	Di-n-butylphthalate	77	U
206-44-0	Fluoranthene	38	U
129-00-0	Pyrene	38	U
85-68-7	Butylbenzylphthalate	38	U
91-94-1	3,3'-Dichlorobenzidine	77	U
56-55-3	Benzo(a)anthracene	38	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	U
218-01-9	Chrysene	49	J
117-84-0	Di-n-octylphthalate	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U

0847

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 30 (g/mL) G Lab File ID: hb069.d

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

% Moisture: not dec: 13 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	60	J
193-39-5-------	Indeno(1,2,3-cd)pyrene	38	U
53-70-3--------	Dibenz(a,h)anthracene	38	U
191-24-2-------	Benzo(g,h,i)perylene	38	U

8848

6010-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692572

Data file: /chem/HP04629.i/06feb06a.b/hb069.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 06:18
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:57 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

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	88677(3)	40.00	
41) Naphthalene-d8	17.173(0.012)	1231	136.0	312615(1)	40.00	
64) Acenaphthene-d10	22.625(0.002)	1781	164.0	167534(-1)	40.00	
87) Phenanthrene-d10	27.171(0.011)	2238	188.0	268108(2)	40.00	
99) Chrysene-d12	34.309(0.006)	2953	240.0	180026(-7)	40.00	
105) Perylene-d12	41.299(-0.007)	3658	264.0	127257(-13)	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)	9.733(-0.001)	112	388769	114.634	76%		25 - 121
10) Phenol-d5	(1)	12.181(0.000)	99	503082	135.858	90%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.724(0.000)	132	421248	120.964	81%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.841(0.000)	152	140842	64.114	64%		20 - 130
32) Nitrobenzene-d5	(2)	14.977(0.000)	82	263348	81.168	81%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.471(0.000)	172	481156	81.427	81%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.080(0.000)	330	129367	115.527	77%		19 - 122
94) Terphenyl-d14	(5)	31.294(0.000)	244	456955	106.073	106%		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)				ND	ND			2.00
36) 2,4-Dimethylphenol	(2)				Below MDL, Do not report				4.00
37) bis(2-Chloroethoxy)methane	(2)				Below MDL, Do not report				2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			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

0849

6010-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692572

Data file: /chem/HP04629.i/06feb06a.b/hb069.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 06:18 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:57 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	20170	2.500	41.67			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)	34.389(0.001)	228	14336	2.573	42.88			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)	40.923(0.001)	252	12944	3.130	52.16			2.00
106) Indeno(1,2,3-cd)pyrene	(6)			Below MDL,	Do not report				2.00

0050

6010-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692572

Data file: /chem/HP04629.i/06feb06a.b/hb069.d Blank Data file reference:**/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 07-FEB-2006 06:18 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 07:57 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

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
107) Dibenz(a,h)anthracene	(6)				Below MDL, Do not report					2.00
108) Benzo(g,h,i)perylene	(6)				Below MDL, Do not report					2.00

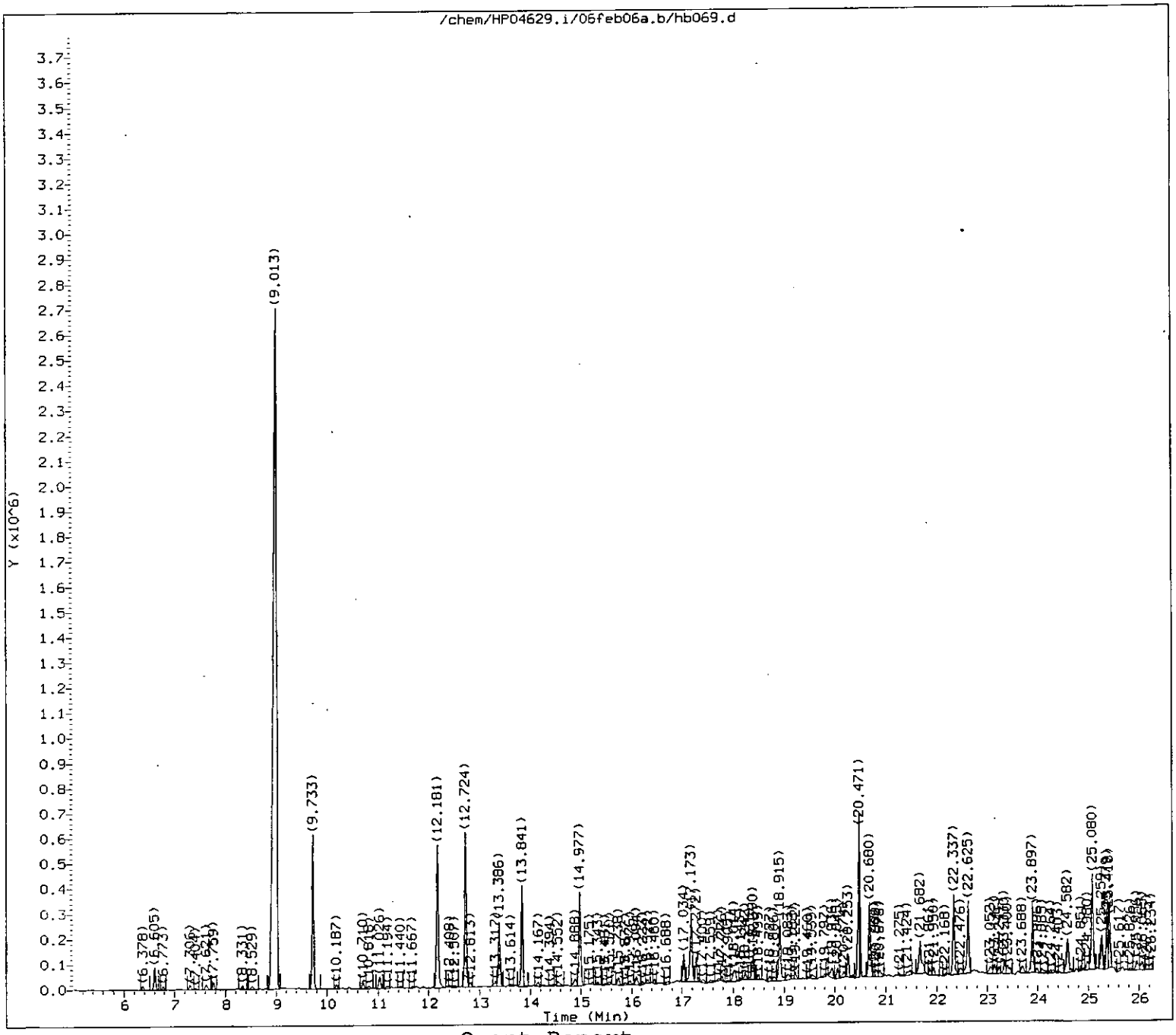
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

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

0051



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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

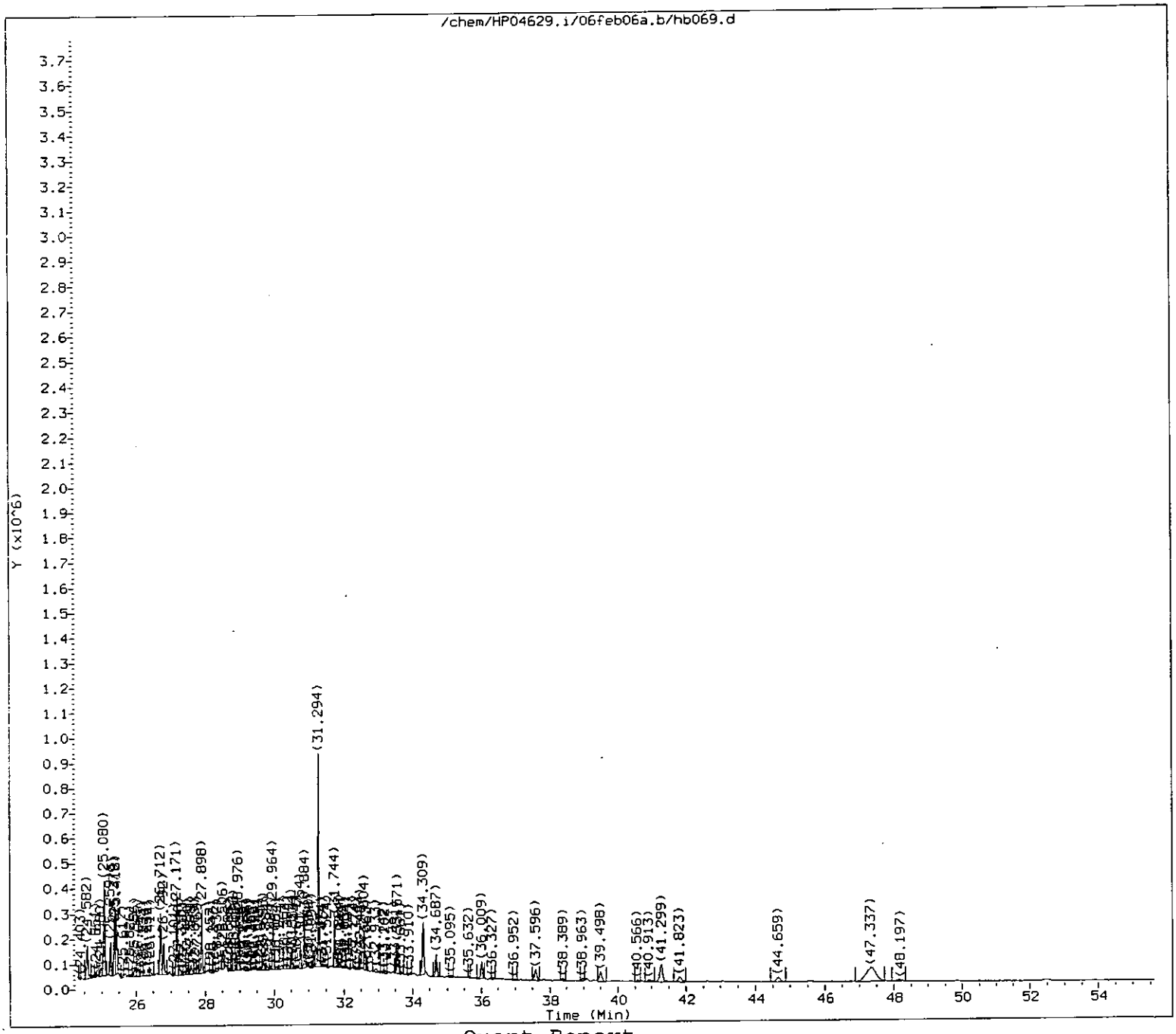
Date, time and analyst ID of latest file update: 07-Feb-2006 07:57 msl01251

Sample Name: 6010-

Lab Sample ID: 4692572

Wh 1257 2/7/06

8052



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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 07:57 msl01251

Sample Name: 6010-

Lab Sample ID: 4692572

WH125 2/7/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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 07:57 msl01251

Sample Name: 6010-

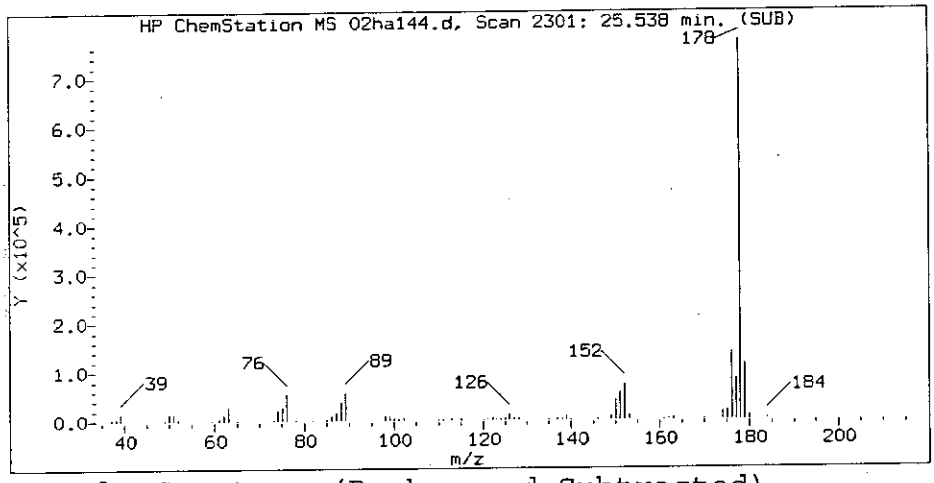
Lab Sample ID: 4692572

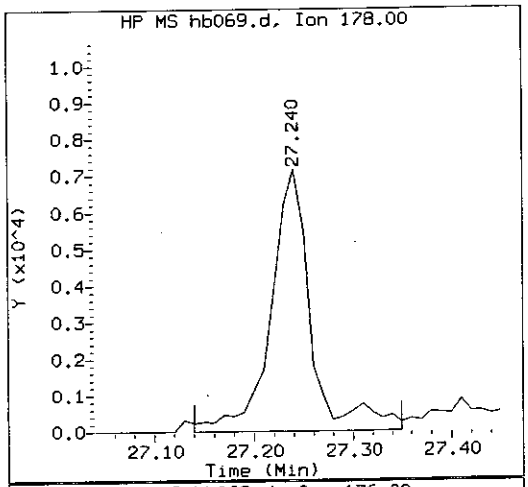
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.386	152	88677	40.000
41) Naphthalene-d8	(2)	17.173	136	312615	40.000
64) Acenaphthene-d10	(3)	22.625	164	167534	40.000
87) Phenanthrene-d10	(4)	27.171	188	268108	40.000
88) Phenanthrene	(4)	27.240	178	20170	2.500
99) Chrysene-d12	(5)	34.309	240	180026	40.000
100) Chrysene	(5)	34.389	228	14336	2.573
104) Benzo(a)pyrene	(6)	40.923	252	12944	3.130
105) Perylene-d12	(6)	41.299	264	127257	40.000
4) 2-Fluorophenol	(1)	9.733	112	388769	114.634
10) Phenol-d5	(1)	12.181	99	503082	135.858
14) 2-Chlorophenol-d4	(1)	12.724	132	421248	120.964
21) 1,2-Dichlorobenzene-d4	(1)	13.841	152	140842	64.114
32) Nitrobenzene-d5	(2)	14.977	82	263348	81.168
54) 2-Fluorobiphenyl	(3)	20.471	172	481156	81.427
82) 2,4,6-Tribromophenol	(4)	25.080	330	129367	115.527
94) Terphenyl-d14	(5)	31.294	244	456955	106.073

M = Compound was manually integrated.

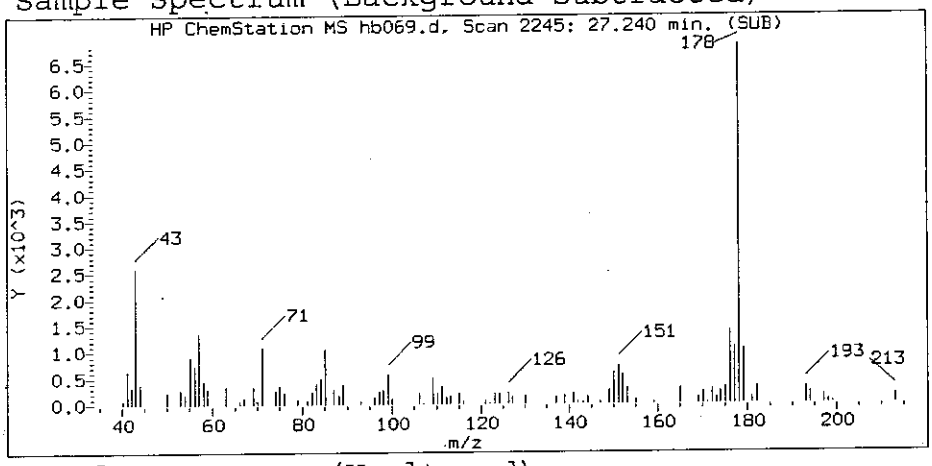
A = User selected an alternate hit

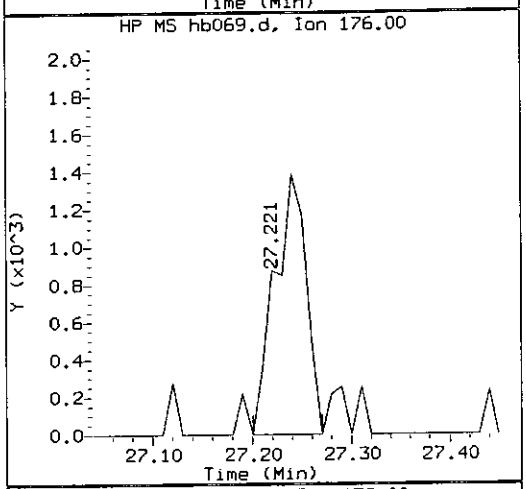
Reference Standard Spectrum for Phenanthrene



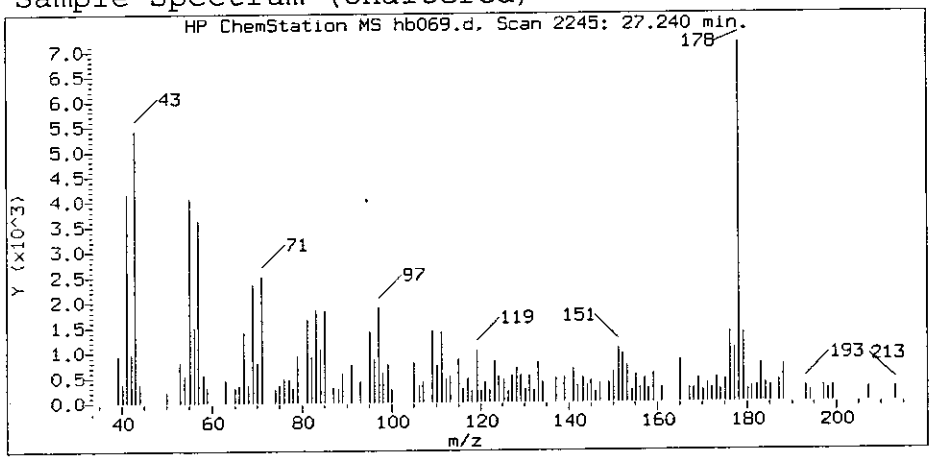


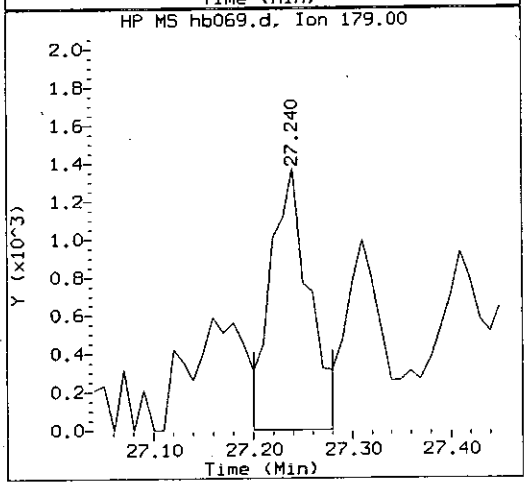
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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 07:39 msl01251

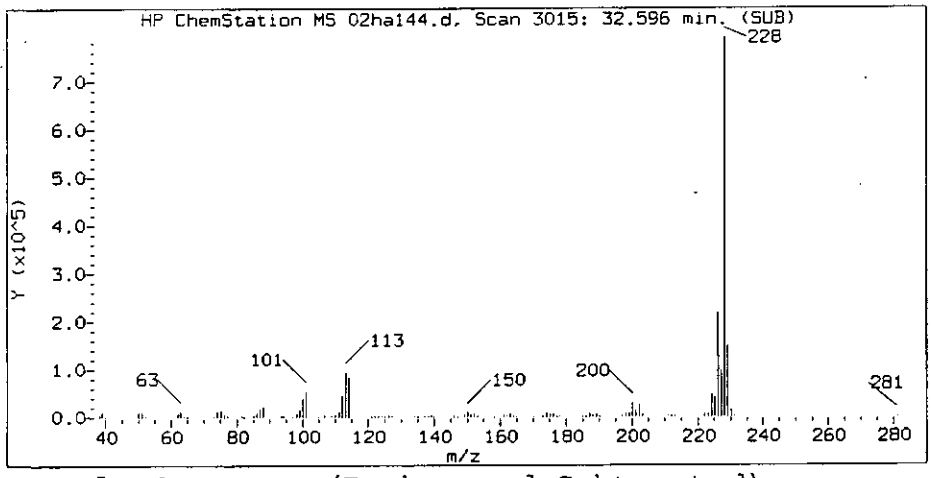
Sample Name: 6010-

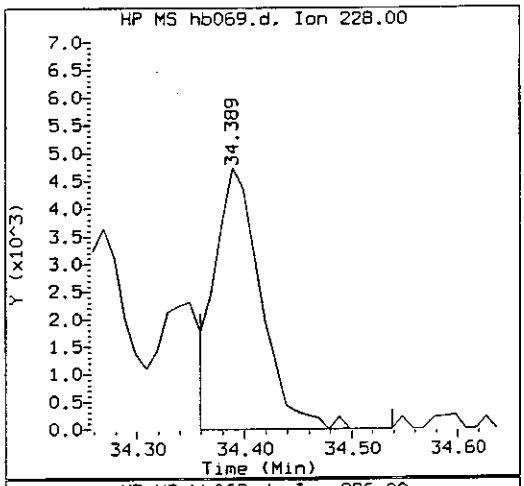
Lab Sample ID: 4692572

Compound Number : 88
Compound Name : Phenanthrene
Scan Number : 2245
Retention Time (minutes): 27.240
Quant Ion : 178.0
Area (flag) : 20170
Concentration (2ng/ul) : 2.5000

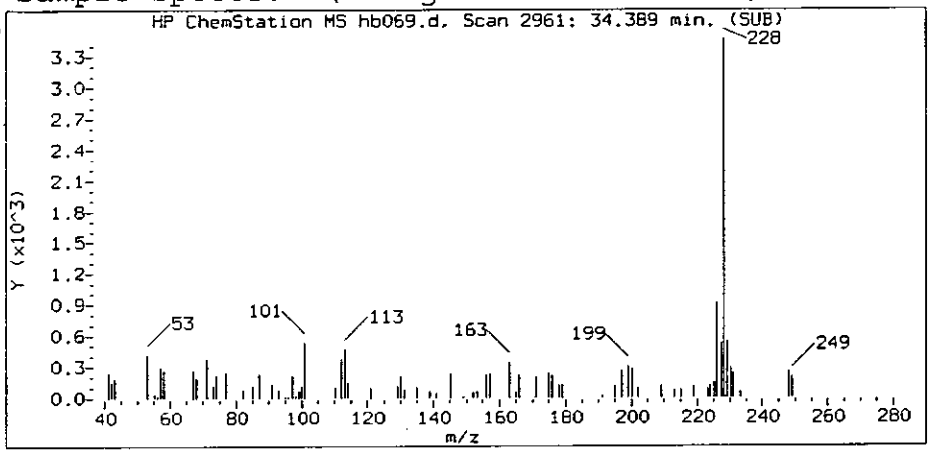
0855

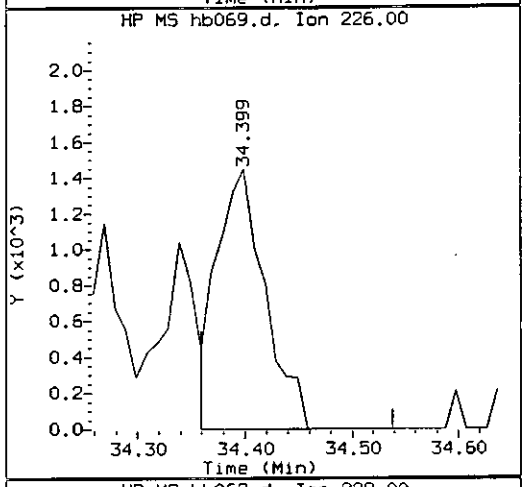
Reference Standard Spectrum for Chrysene



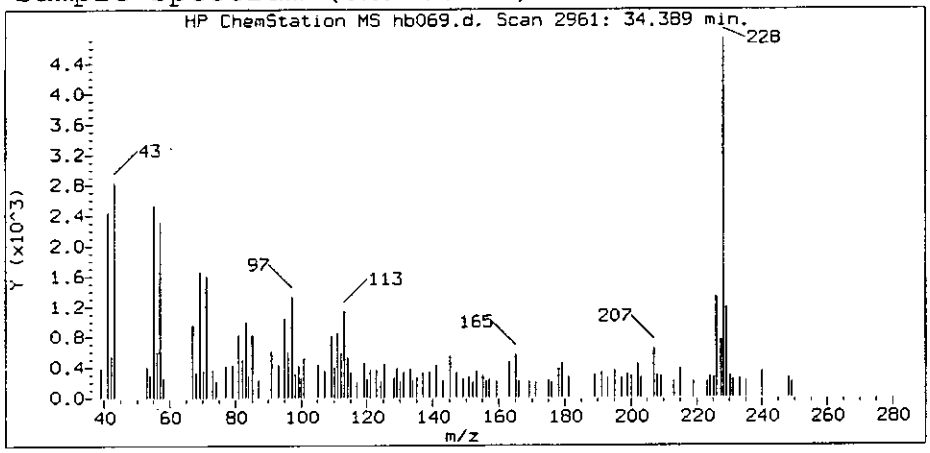


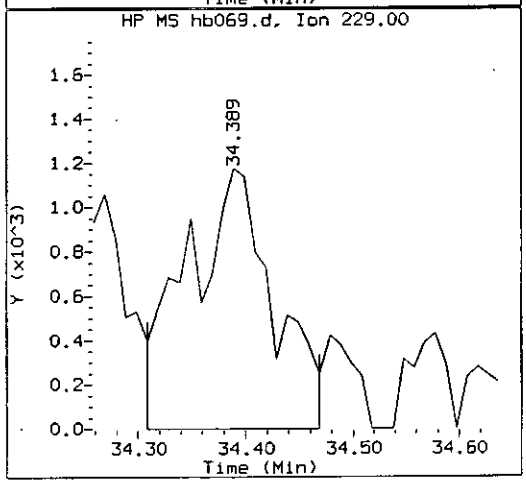
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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 07:39 msl01251

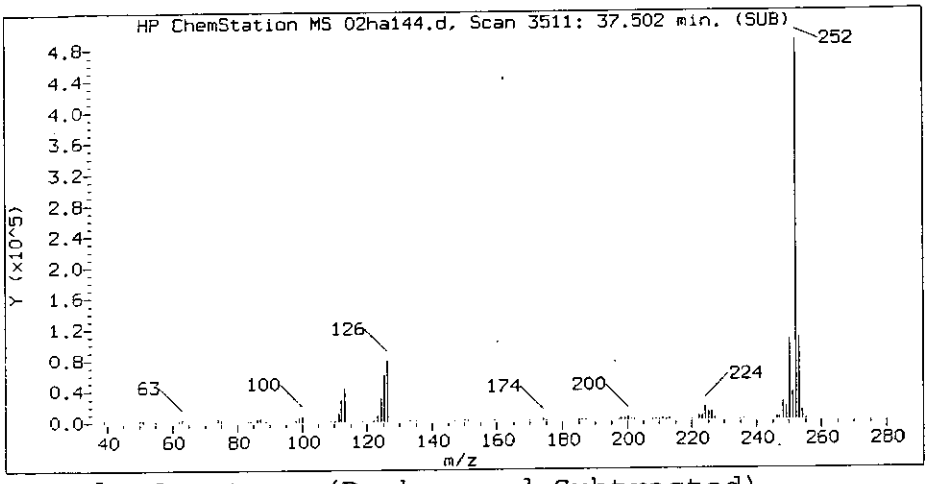
Sample Name: 6010-

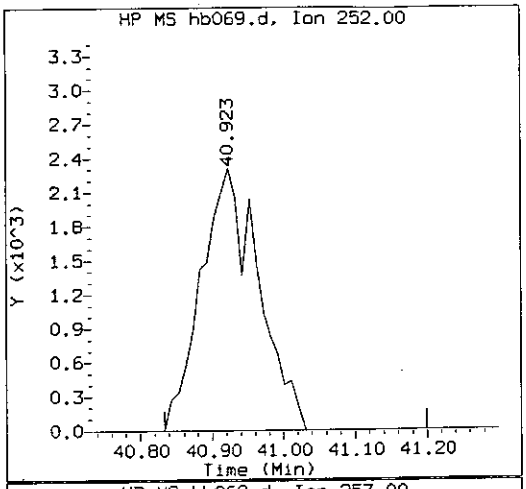
Lab Sample ID: 4692572

Compound Number : 100
Compound Name : Chrysene
Scan Number : 2961
Retention Time (minutes): 34.389
Quant Ion : 228.0
Area (flag) : 14336
Concentration (2ng/ul) : 2.5730

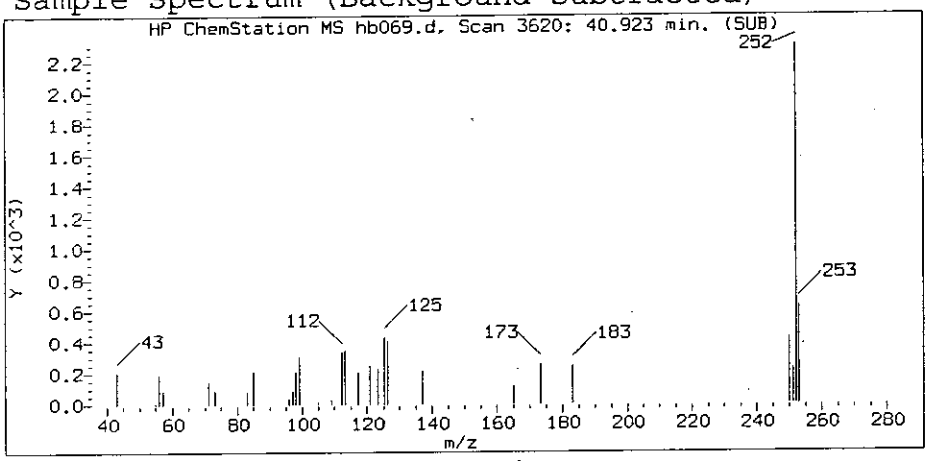
0056

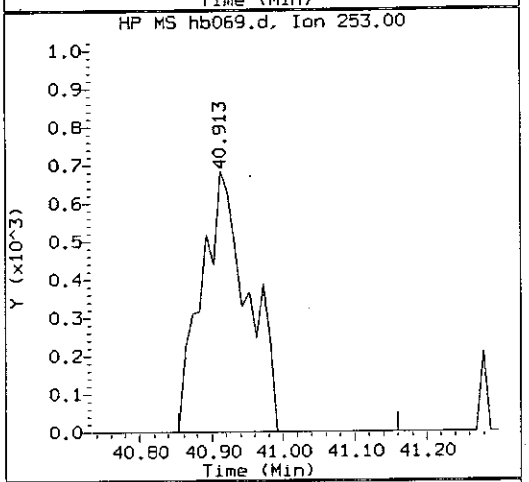
Reference Standard Spectrum for Benzo(a)pyrene



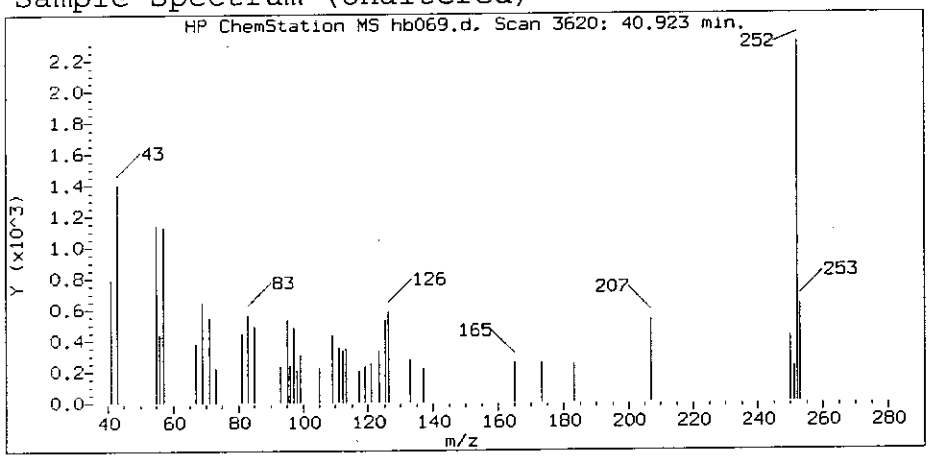


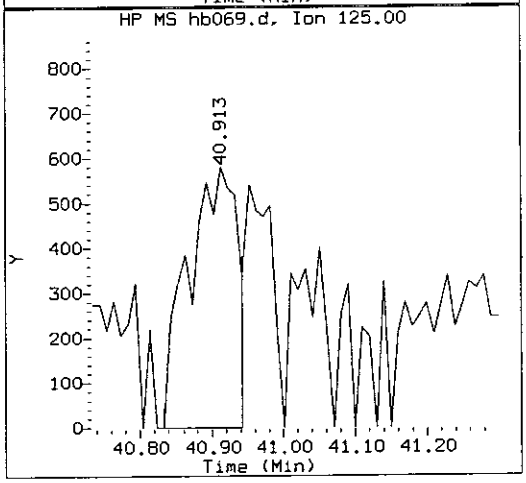
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Injection date and time: 07-FEB-2006 06:18

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 07:39 msl01251

Sample Name: 6010-

Lab Sample ID: 4692572

Compound Number : 104
Compound Name : Benzo(a)pyrene
Scan Number : 3620
Retention Time (minutes): 40.923
Quant Ion : 252.0
Area (flag) : 12944
Concentration (2ng/ul) : 3.1299

0857

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

6010-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 30 (g/mL) g Lab File ID: hb069.d

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

% Moisture: 13 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: 30 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Naphthalene, decahydro-, cis	14.552	99	JX
2.	Unknown	14.888	140	J
3.	Naphthalene, decahydro-2-met	15.738	82	JX
4.	1-Methyldecahydronaphthalene	16.094	110	JX
5.	Unknown	18.014	200	J
6.	Unknown	19.936	130	J
7.	Unknown	20.045	110	J
8.	Unknown	20.809	86	J
9.	Unknown	20.878	92	J
10.	Unknown	21.424	86	J
11.	Unknown	21.950	100	J
12.	Unknown	22.476	88	J
13.	Unknown	23.052	110	J
14.	Unknown	23.400	150	J
15.	Unknown	23.688	110	J
16.	Unknown	24.085	80	J
17.	Unknown	24.980	100	J
18.	Unknown	25.259	290	J B
19.	Unknown	26.334	78	J
20.	Unknown	26.414	88	J
21.	Unknown	27.240	120	J
22.	Unknown	27.579	120	J
23.	Unknown	28.506	150	J
24.	Unknown	28.836	100	J
25.	Unknown	30.514	120	J
26.	Unknown Carboxylic Acid	30.754	260	J B
27.	Unknown	32.484	94	J B
28.	Unknown	32.933	110	J
29.	Unknown	47.337	1900	J
30.	Unknown	48.197	130	J

0058

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6010-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 30 (g/mL) g Lab File ID: hb069.d

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

% Moisture: 13 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	18.915	680	J
2.	Unknown Alkane	20.680	740	J
3.	Unknown Alkane	21.682	500	J
4.	Unknown Alkane	22.337	810	J
5.	Unknown Alkane	23.897	700	J
6.	Unknown Alkane	24.582	460	J
7.	Unknown Alkane	25.379	620	J
8.	Unknown Alkane	25.418	590	J
9.	Unknown Alkane	26.712	510	J
10.	Unknown Alkane	26.792	320	J
11.	Unknown Alkane	27.898	510	J
12.	Unknown Alkane	28.976	410	J
13.	Unknown Alkane	29.964	450	J
14.	Unknown Alkane	30.884	470	J
15.	Unknown Alkane	31.744	450	J
16.	Unknown Alkane	32.604	330	J B
17.	Unknown Alkane	33.571	350	J
18.	Unknown Alkane	34.687	320	J
19.	Unknown Alkane	36.009	290	J
20.	Unknown Alkane	39.498	350	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

0859

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb069.d
Lab Smp Id: 4692572 Client Smp ID: 6010-
Inj Date : 07-FEB-2006 06:18
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6010-;4692572;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 09:02 jmg00346 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 10
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	584694	40.000
* 41 Naphthalene-d8	17.173	705158	40.000
* 64 Acenaphthene-d10	22.625	759535	40.000
* 87 Phenanthrene-d10	27.171	828242	40.000
* 99 Chrysene-d12	34.309	641901	40.000
* 105 Perylene-d12	41.299	459095	40.000

Data File: /chem/HP04629.i/06feb06a.b/hb069.d
Report Date: 07-Feb-2006 10:11

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Naphthalene, decahydro-, cis-				CAS #:			
14.552	75916	5.19358635	86.55977	94	NIST98.1	21398	18
Unknown				CAS #:			
14.888	106894	7.31279285	121.87988	0		0	18
Naphthalene, decahydro-2-methyl-				CAS #:			
15.738	75059	4.25768812	70.96146	90	NIST98.1	116059	41
1-Methyldecahydronaphthalene				CAS #:			
16.094	104148	5.90775488	98.46258	76	NIST98.1	2397	41
Unknown				CAS #:			
18.014	181728	10.3085106	171.80850	0		0	41
Unknown Alkane				CAS #:			
18.915	621530	35.2562070	587.60344	0		0	41
Unknown				CAS #:			
19.936	127068	6.69186721	111.53112	0		0	64
Unknown				CAS #:			
20.045	108493	5.71366831	95.22780	0		0	64
Unknown Alkane				CAS #:			
20.680	739240	38.9311508	648.85251	0		0	64
Unknown				CAS #:			
20.809	85749	4.51588310	75.26471	0		0	64
Unknown				CAS #:			
20.878	90955	4.79005098	79.83418	0		0	64
Unknown				CAS #:			
21.424	85596	4.50781274	75.13021	0		0	64
Unknown Alkane				CAS #:			
21.682	492384	25.9308073	432.18012	0		0	64
Unknown				CAS #:			
21.950	99730	5.25218150	87.53635	0		0	64
Unknown Alkane				CAS #:			
22.337	805260	42.4080134	706.80022	0		0	64