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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

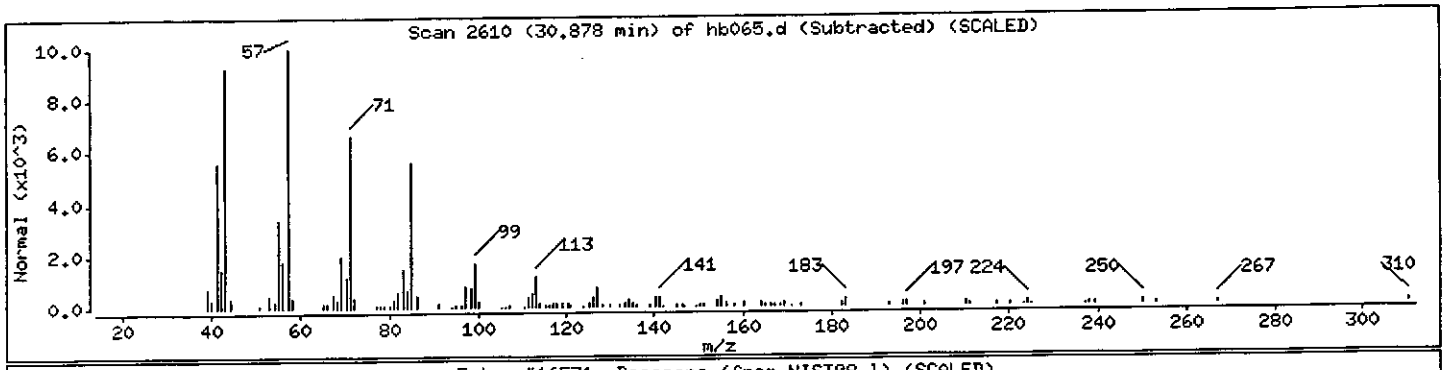
Volume Injected (uL): 2.0

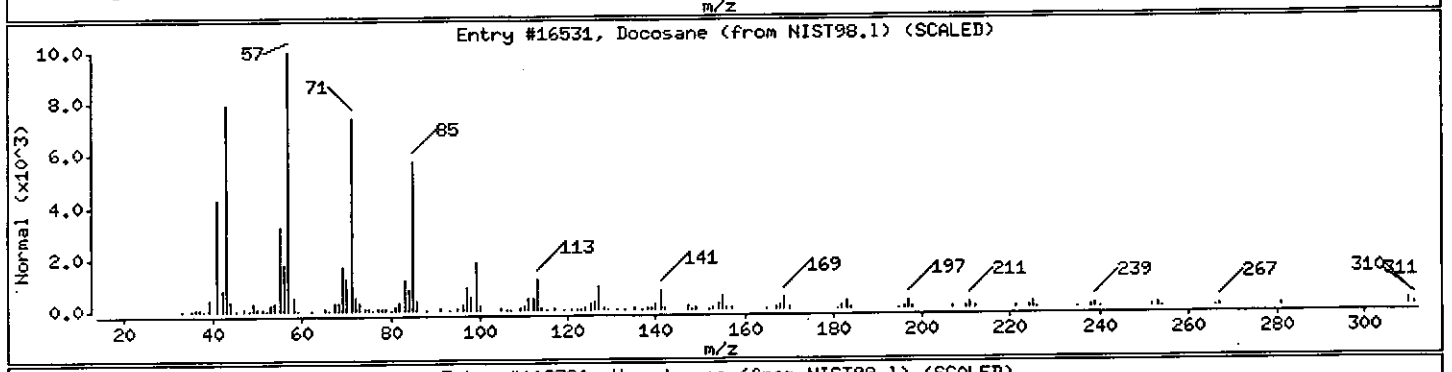
Operator: lmh00956

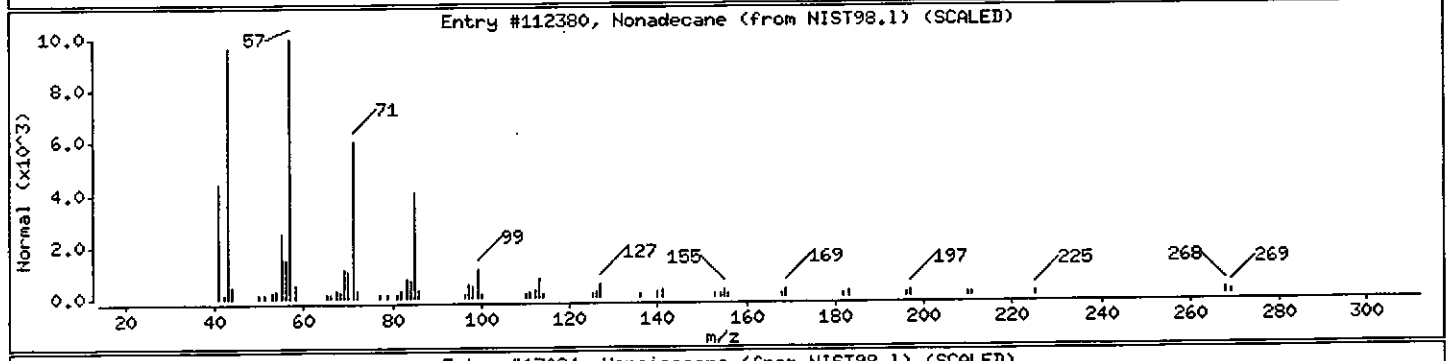
Column phase: J&W DB-5.625

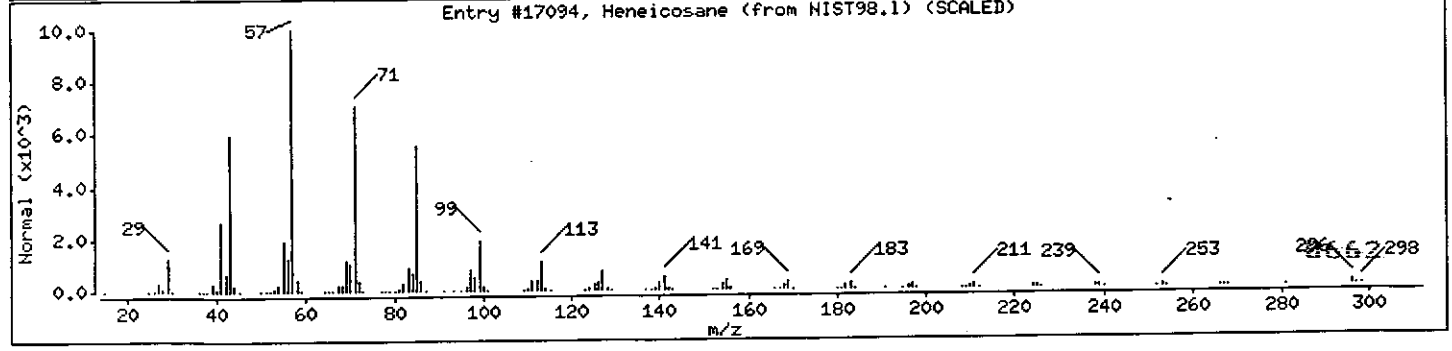
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	16531	93	C22H46	310
Nonadecane	629-92-5	NIST98.1	112380	91	C19H40	268
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296









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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

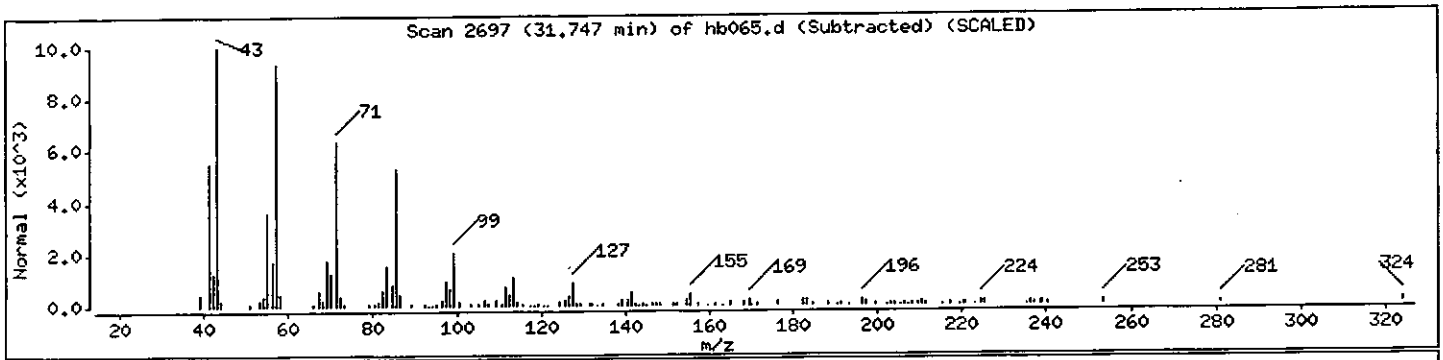
Volume Injected (uL): 2.0

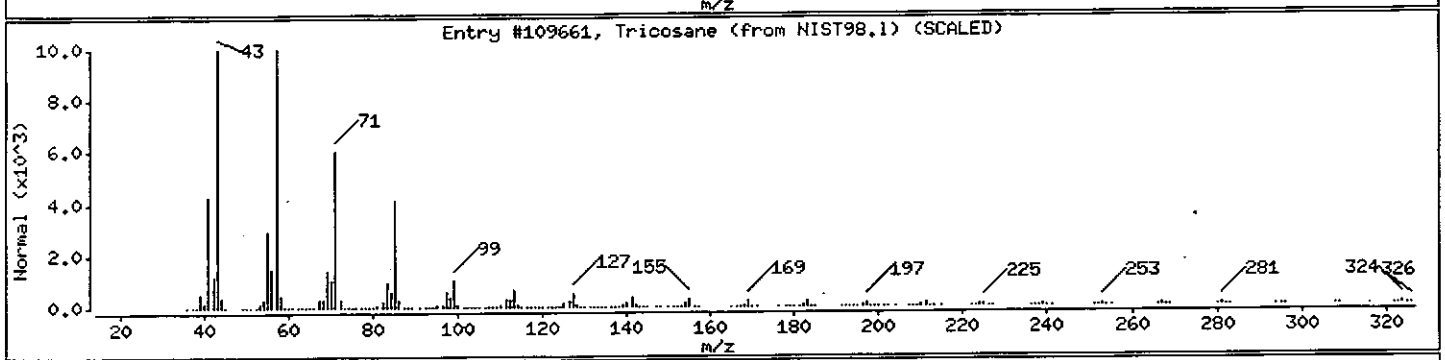
Operator: lmh00956

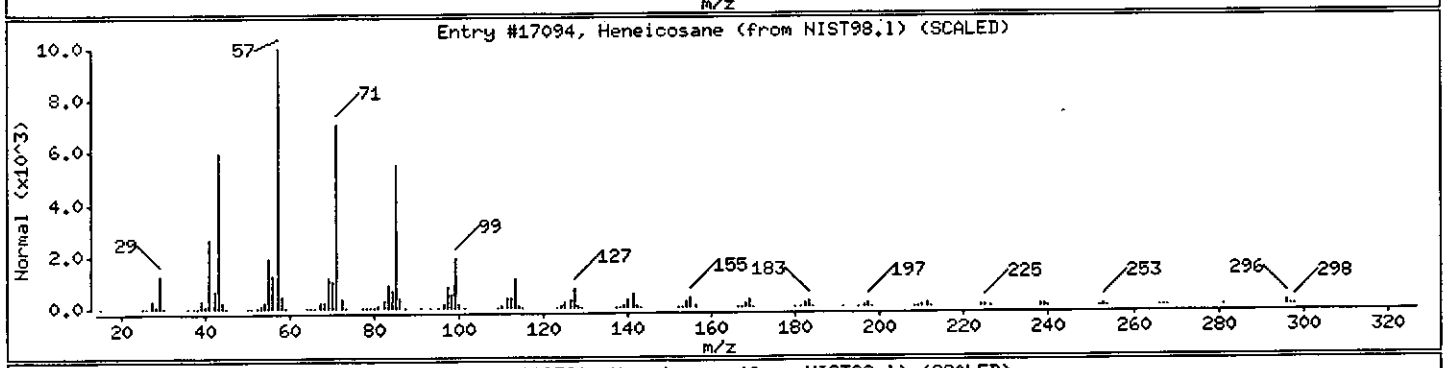
Column phase: J&W DB-5.625

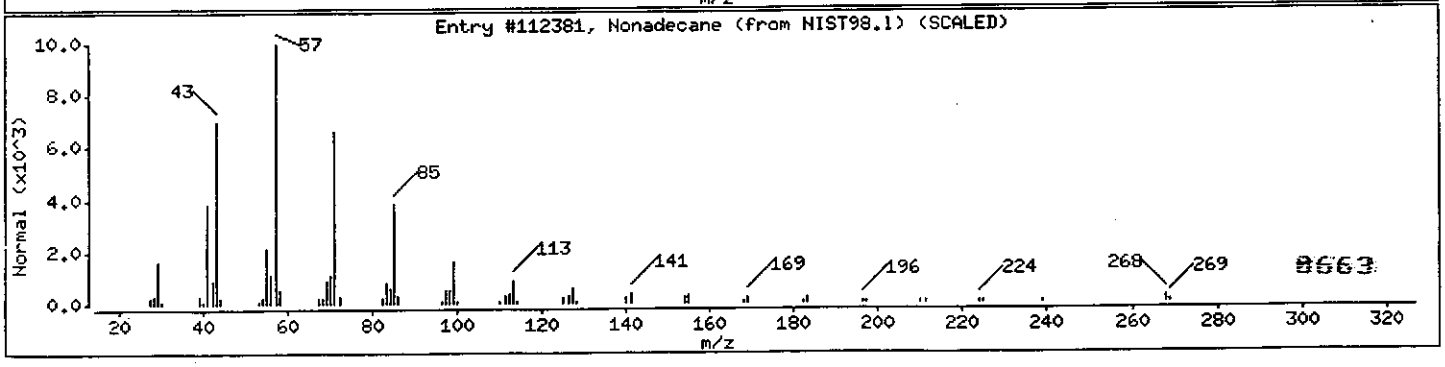
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109661	98	C23H48	324
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296
Nonadecane	629-92-5	NIST98.1	112381	90	C19H40	268









8663

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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

Volume Injected (uL): 2.0

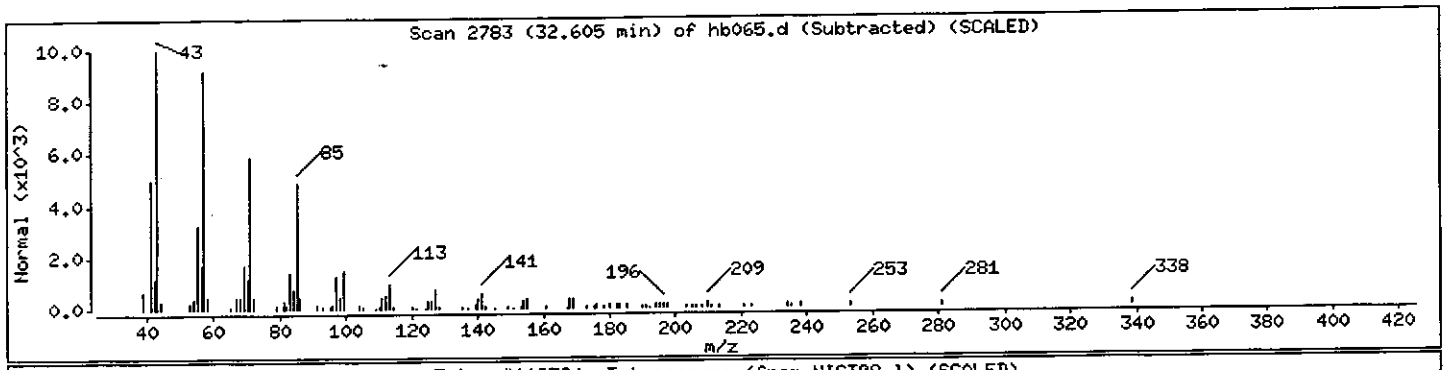
Operator: lmh00956

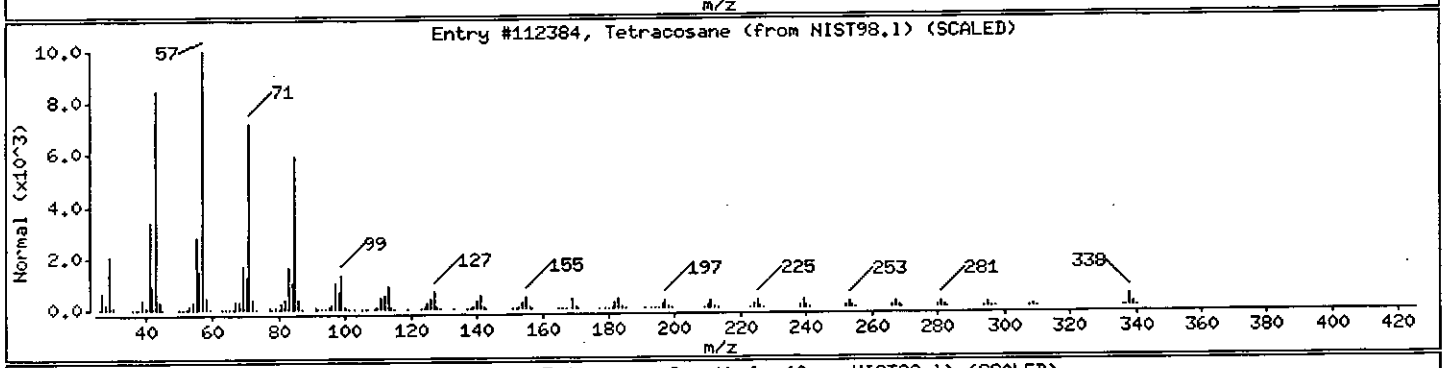
Column phase: J&W DB-5.625

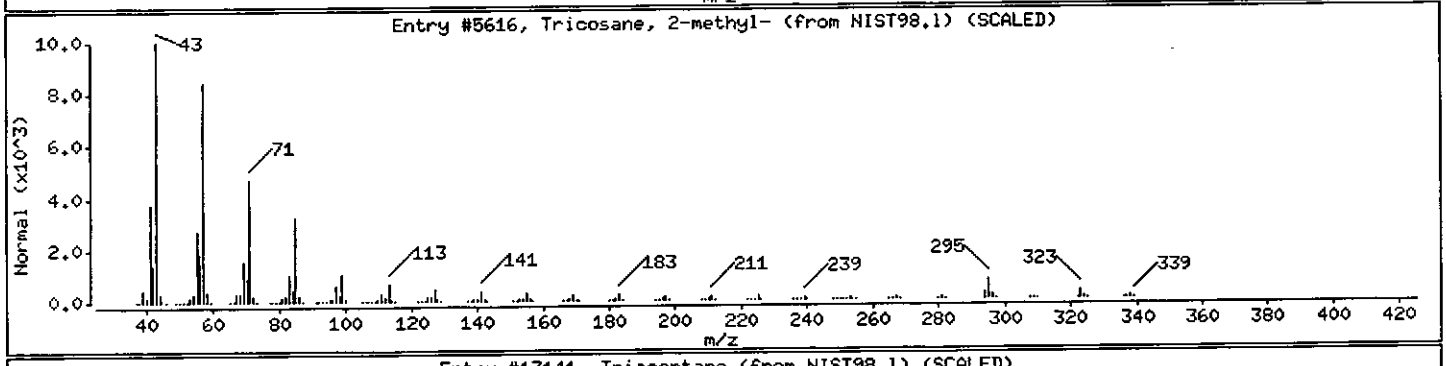
Column diameter: 0.25

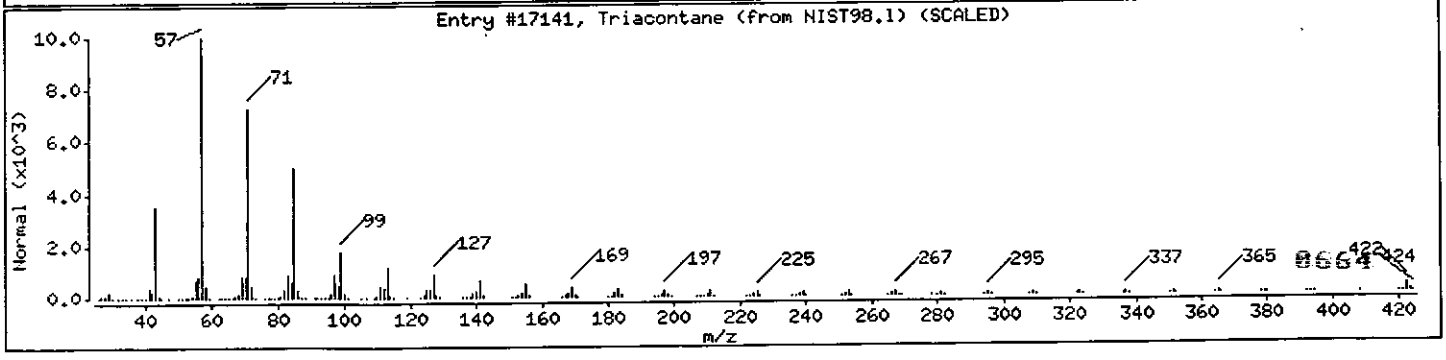
(B) LMM198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracosane	646-31-1	NIST98.1	112384	94	C24H50	338
Tricosane, 2-methyl-	1928-30-9	NIST98.1	5616	94	C24H50	338
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422









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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

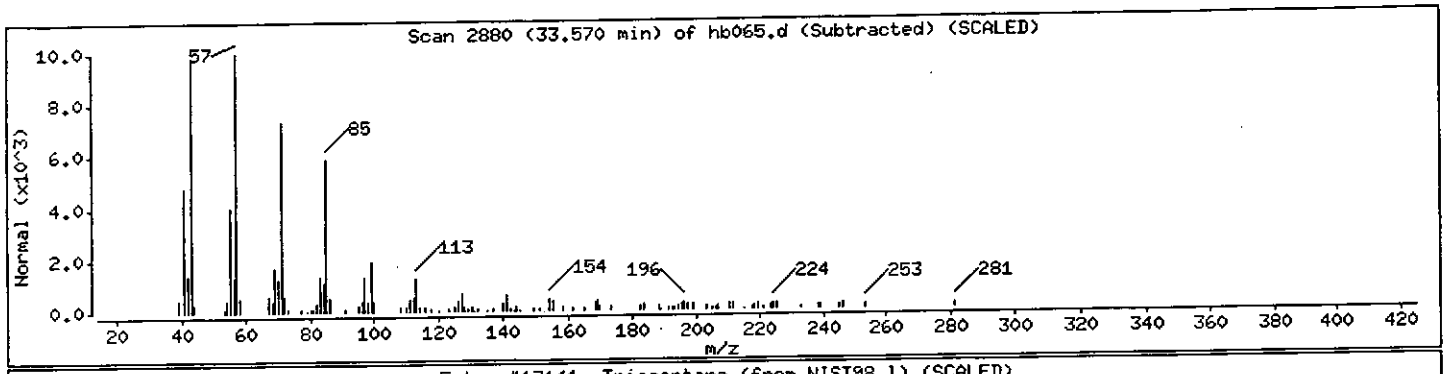
Volume Injected (uL): 2.0

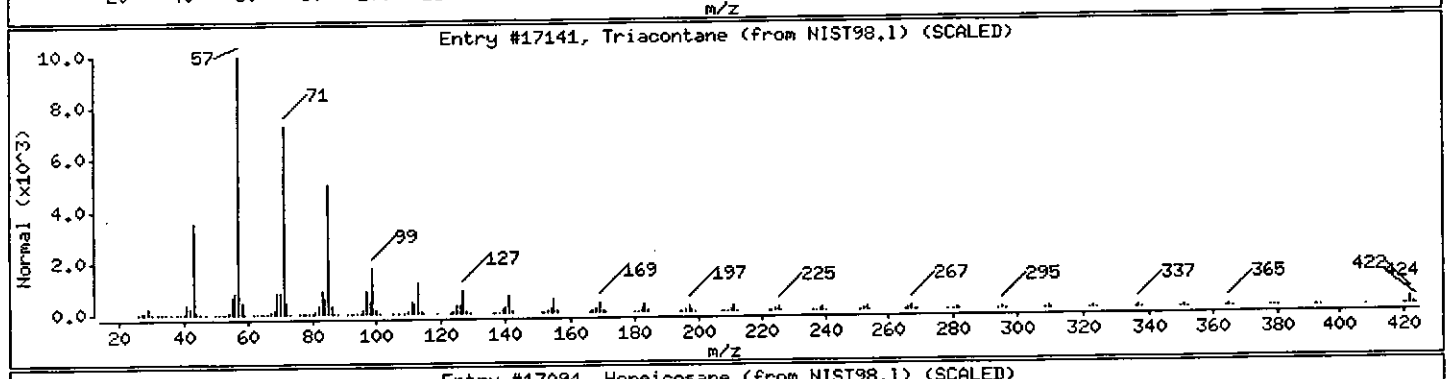
Operator: lmh00956

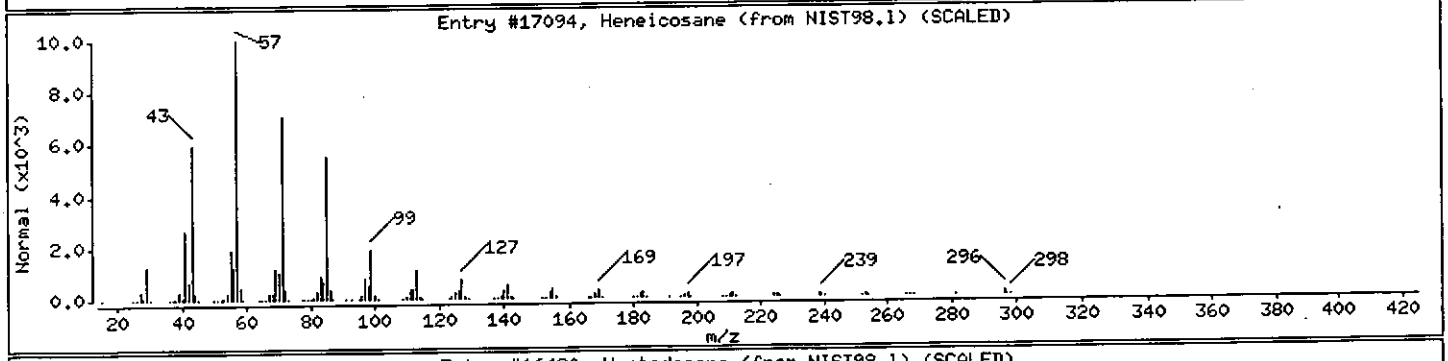
Column phase: J&W DB-5.625

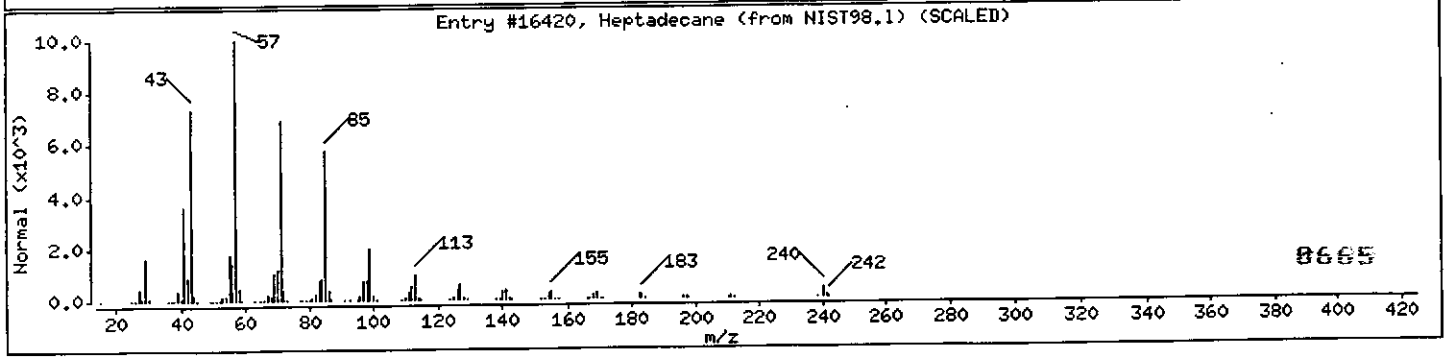
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240









8665

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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

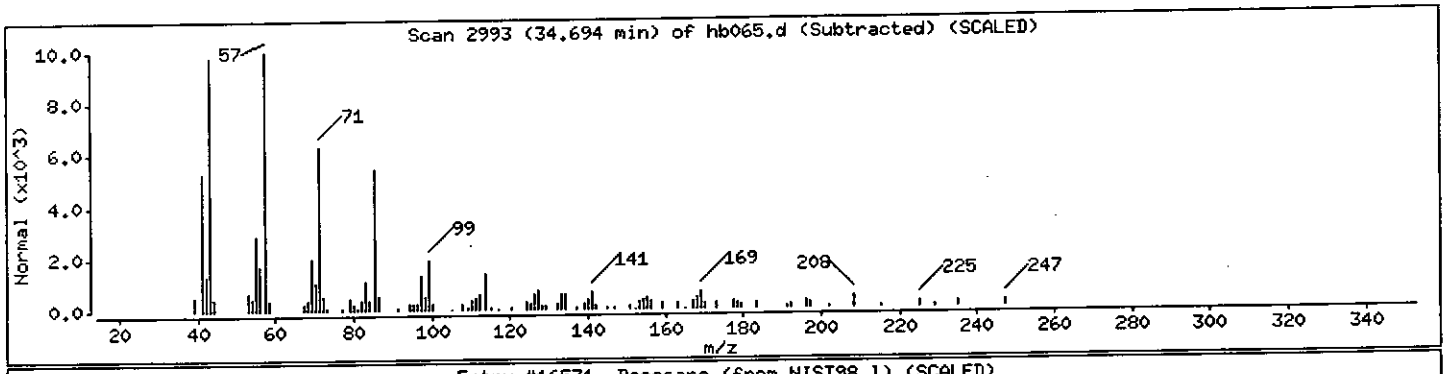
Volume Injected (uL): 2.0

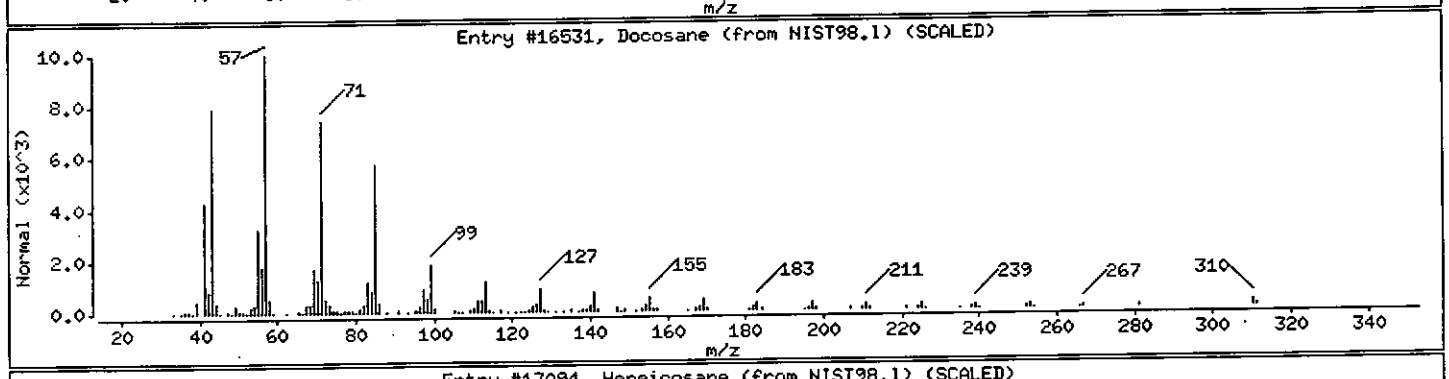
Operator: lmh00956

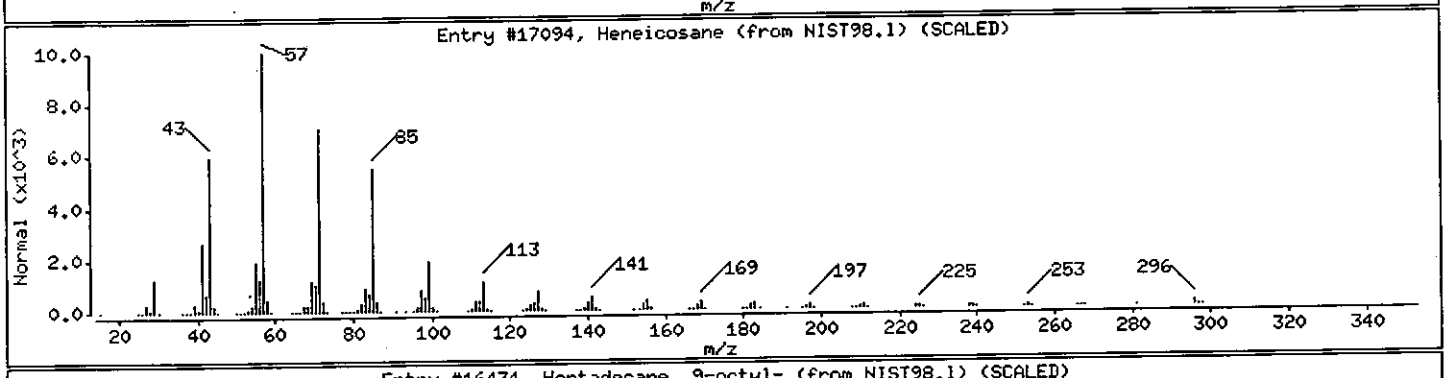
Column phase: J&W DB-5.625

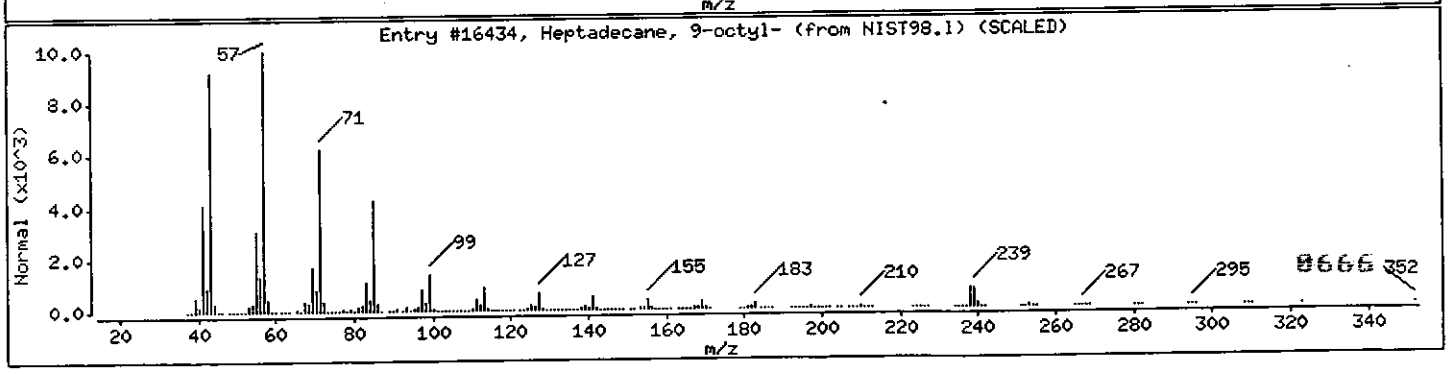
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	16531	90	C22H46	310
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296
Heptadecane, 9-octyl-	7225-64-1	NIST98.1	16434	87	C25H52	352









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

Date : 07-FEB-2006 02:08

Client ID: 6007-

Instrument: HP04629.i

Sample Info: 6007-;4692568;

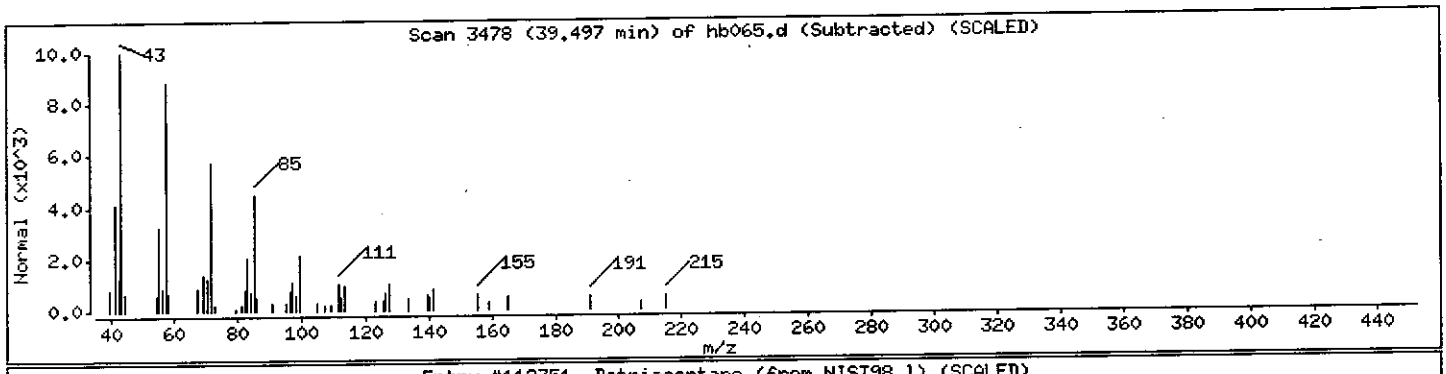
Volume Injected (uL): 2.0

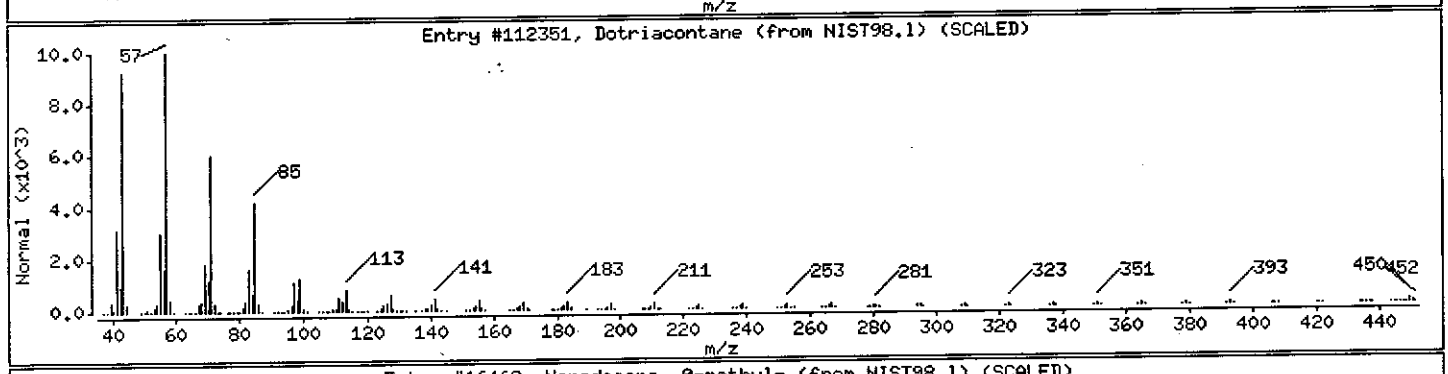
Operator: lmh00956

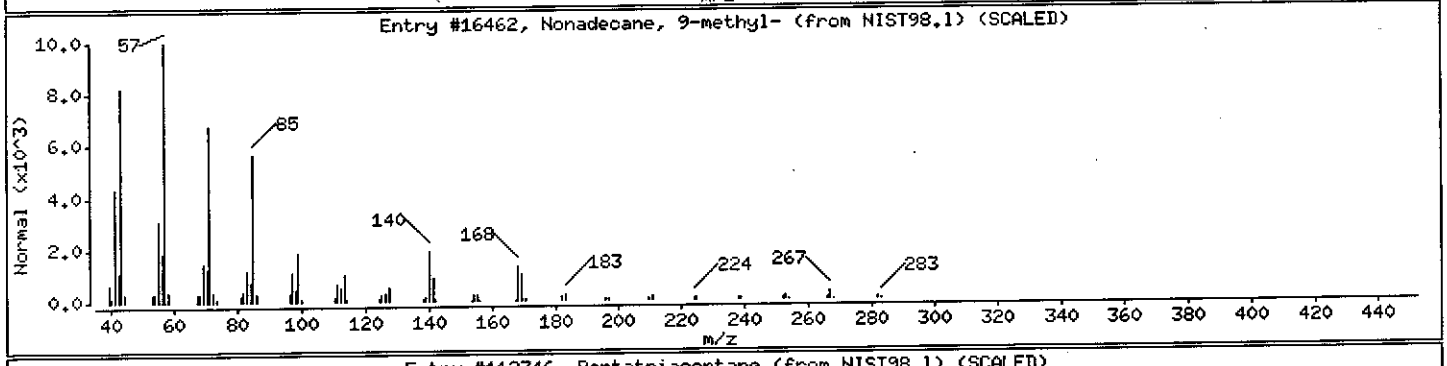
Column phase: J&W DB-5.625

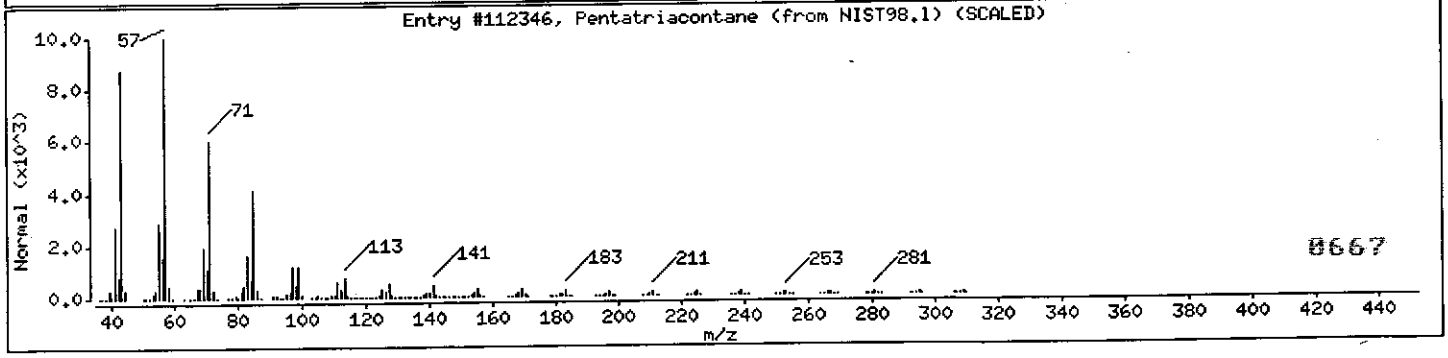
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dotriacontane	544-85-4	NIST98.1	112351	86	C32H66	451
Nonadecane, 9-methyl-	13287-24-6	NIST98.1	16462	86	C20H42	282
Pentatriacontane	630-07-9	NIST98.1	112346	86	C35H72	493









1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 30 (g/mL) G Lab File ID: hb066.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

8668

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 30 (g/mL) G Lab File ID: hb066.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

8669

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 30 (g/mL) G Lab File ID: hb066.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

0678

6024-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692569

Data file: /chem/HP04629.i/06feb06a.b/hb066.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 03:11 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 08:07 jmg00346

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	13.383(0.009)	848	152.0	85603(0)	40.00	
41) Naphthalene-d8	17.174(0.011)	1232	136.0	315362(2)	40.00	
64) Acenaphthene-d10	22.626(0.000)	1783	164.0	164716(-3)	40.00	
87) Phenanthrene-d10	27.168(0.013)	2241	188.0	256092(-3)	40.00	
99) Chrysene-d12	34.304(0.011)	2959	240.0	186440(-4)	40.00	
105) Perylene-d12	41.295(-0.004)	3666	264.0	130614(-10)	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)	9.732(-0.001)	112	394633	120.542	80%		25 - 121
10) Phenol-d5	(1)	12.178(0.000)	99	487622	136.412	91%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.731(-0.001)	132	416887	124.011	83%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.837(0.000)	152	147526	69.569	70%		20 - 130
32) Nitrobenzene-d5	(2)	14.982(0.000)	82	258067	78.848	79%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.467(0.000)	172	464844	80.012	80%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.085(0.000)	330	117473	109.827	73%		19 - 122
94) Terphenyl-d14	(5)	31.293(-0.001)	244	447264	100.251	100%		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)				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)				Below MDL, Do not report				2.00
43) 4-Chloroaniline	(2)				Below MDL, Do not report				8.00

0671

6024-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692569

Data file: /chem/HP04629.i/06feb06a.b/hb066.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 03:11 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 08:07 jmg00346

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)					ND	ND			2.00
49) 2-Methylnaphthalene	(2)					ND	ND			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)					ND	ND			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)					ND	ND			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)					ND	ND			2.00

0672

6024-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692569

Data file: /chem/HP04629.i/06feb06a.b/hb066.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 03:11 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 08:07 jmg00346

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

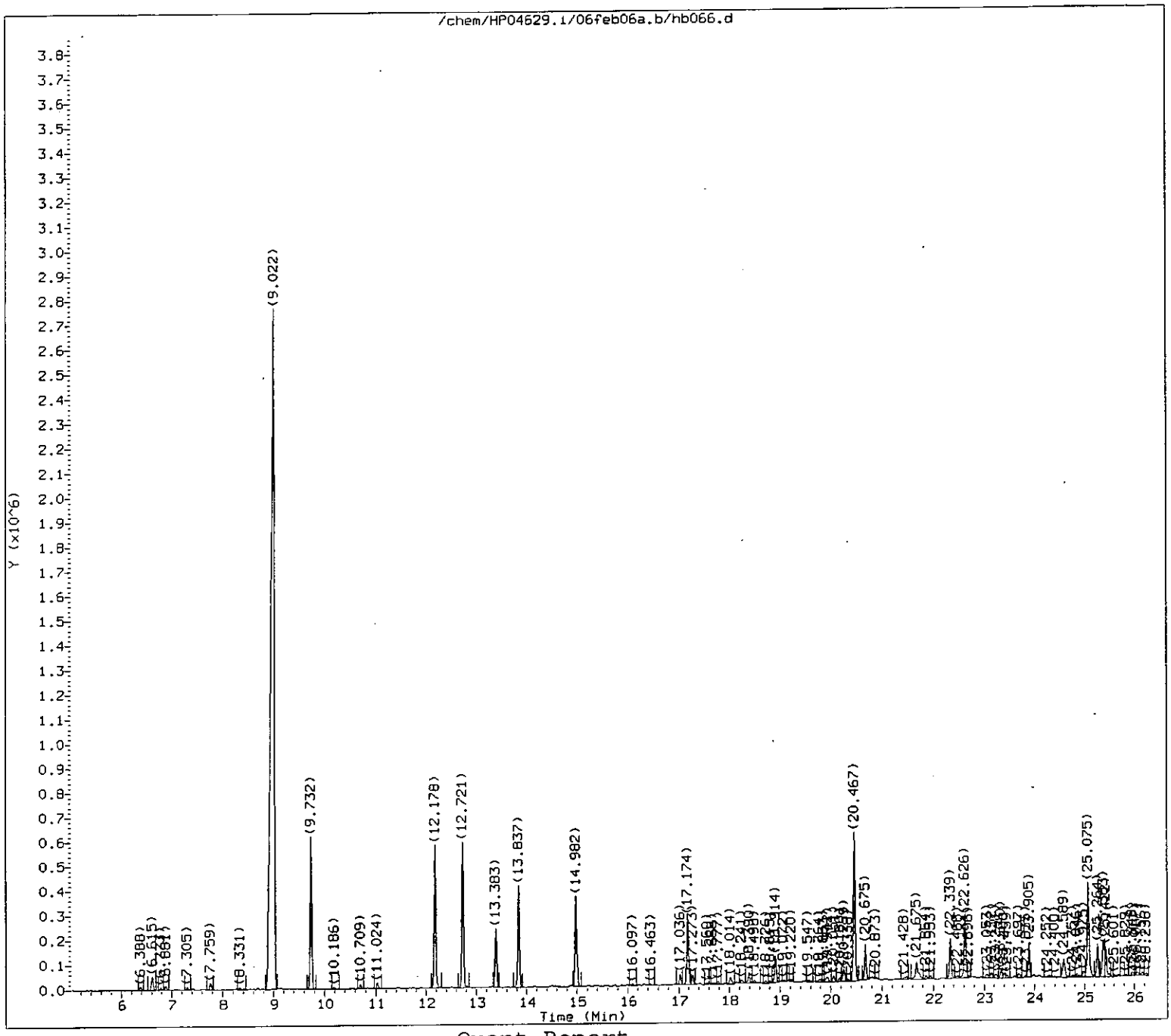
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Jim Hamilton Date: 2-07-06
Auditor: CMR/412 Date: 2/7/06

0673



Quant Report

Target Revision 3.5

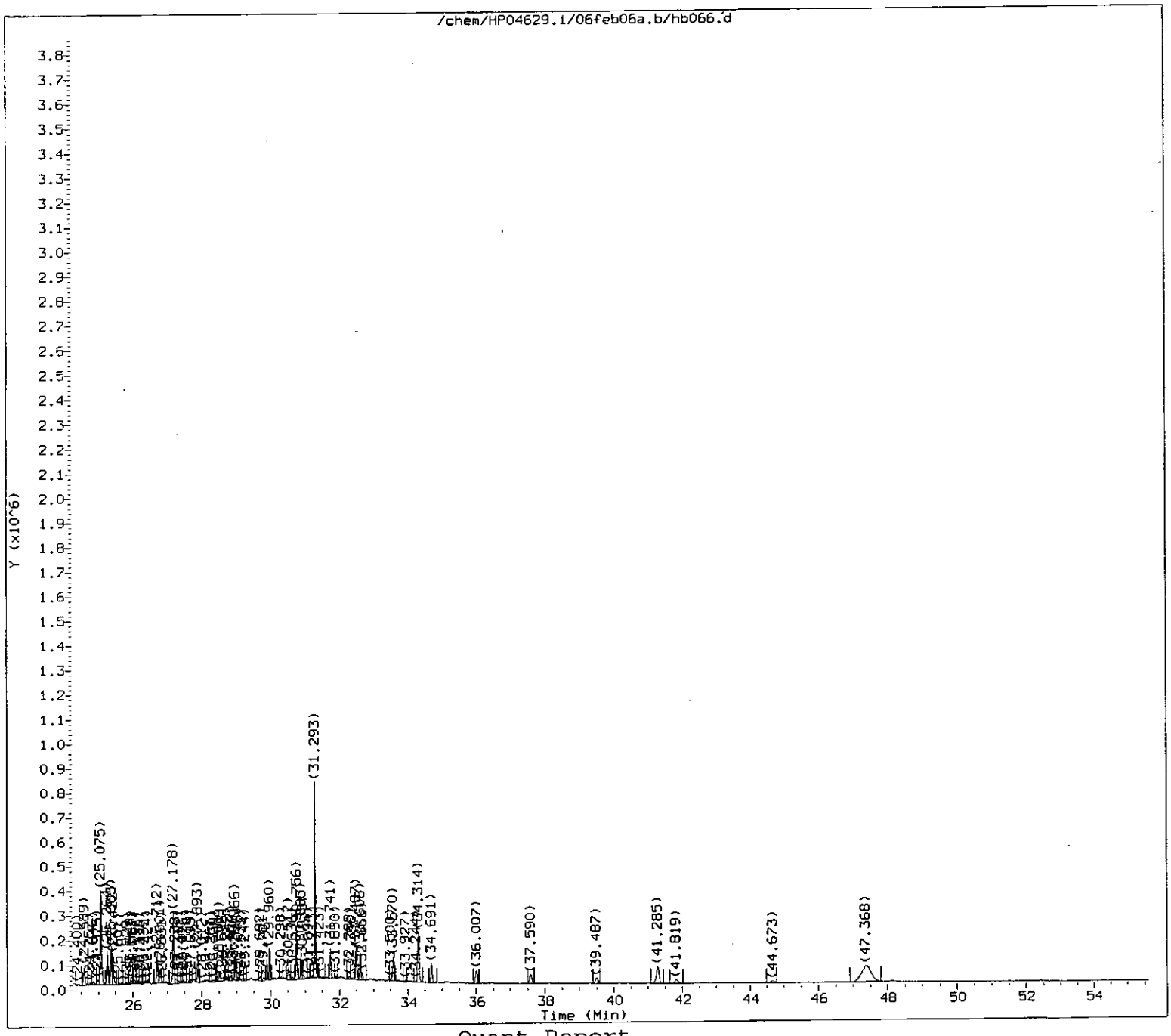
Data File: /chem/HP04629.i/06feb06a.b/hb066.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 03:11 Analyst ID: lmh00956

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 06:16 msl01251

Sample Name: 6024- Lab Sample ID: 4692569

JMB/SYG
2-07-06

0674



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Injection date and time: 07-FEB-2006 03:11

Instrument ID: HP04629.i
Analyst ID: lmh00956

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

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:16 msl01251

Sample Name: 6024-

Lab Sample ID: 4692569

Jing 2-07-06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb066.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 03:11 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 08:07 jmg00346

Sample Name: 6024- Lab Sample ID: 4692569

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.383	152	85603	40.000
41) Naphthalene-d8	(2)	17.174	136	315362	40.000
64) Acenaphthene-d10	(3)	22.626	164	164716	40.000
87) Phenanthrene-d10	(4)	27.168	188	256092	40.000
99) Chrysene-d12	(5)	34.304	240	186440	40.000
105) Perylene-d12	(6)	41.295	264	130614	40.000
4) 2-Fluorophenol	(1)	9.732	112	394633	120.542
10) Phenol-d5	(1)	12.178	99	487622	136.412
14) 2-Chlorophenol-d4	(1)	12.731	132	416887	124.011
21) 1,2-Dichlorobenzene-d4	(1)	13.837	152	147526	69.569
32) Nitrobenzene-d5	(2)	14.982	82	258067	78.848
54) 2-Fluorobiphenyl	(3)	20.467	172	464844	80.012
82) 2,4,6-Tribromophenol	(4)	25.085	330	117473	109.827
94) Terphenyl-d14	(5)	31.293	244	447264	100.251

M = Compound was manually integrated. A = User selected an alternate hit

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

6024-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 30 (g/mL) g Lab File ID: hb066.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

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	18.014	120	J
2.	Unknown	25.264	310	J B
3.	Unknown	28.509	110	J
4.	Unknown	30.517	140	J
5.	Unknown Carboxylic Acid	30.756	470	J B
6.	Unknown	30.935	140	J
7.	Unknown	32.487	330	J B
8.	Unknown	32.666	95	J
9.	Unknown	47.368	2500	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

B677

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6024-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 30 (g/mL) g Lab File ID: hb066.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	18.914	290	J
2.	Unknown Alkane	20.675	380	J
3.	Unknown Alkane	21.675	320	J
4.	Unknown Alkane	22.339	430	J
5.	Unknown Alkane	23.905	360	J
6.	Unknown Alkane	24.589	260	J
7.	Unknown Alkane	25.383	360	J
8.	Unknown Alkane	25.422	310	J
9.	Unknown Alkane	26.712	270	J
10.	Unknown Alkane	27.893	270	J
11.	Unknown Alkane	28.966	210	J
12.	Unknown Alkane	29.960	240	J
13.	Unknown Alkane	30.885	270	J
14.	Unknown Alkane	31.741	280	J
15.	Unknown Alkane	32.606	290	J B
16.	Unknown Alkane	33.570	310	J
17.	Unknown Alkane	34.691	280	J
18.	Unknown Alkane	36.007	240	J
19.	Unknown Alkane	39.487	220	J
20.	Unknown Alkane	41.819	220	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

8678

OLM03.0

Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Report Date: 07-Feb-2006 09:02

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb066.d
Lab Smp Id: 4692569 Client Smp ID: 6024-
Inj Date : 07-FEB-2006 03:11
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6024-;4692569;
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: 7
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
* 41 Naphthalene-d8	17.174	661983	40.000
* 64 Acenaphthene-d10	22.626	706836	40.000
* 87 Phenanthrene-d10	27.168	773624	40.000
* 99 Chrysene-d12	34.304	642223	40.000
* 105 Perylene-d12	41.295	407110	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Report Date: 07-Feb-2006 09:02

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
18.014	101577	6.13773648	102.29560	0		0	41
Unknown Alkane				CAS #:			
18.914	247926	14.9808111	249.68018	0		0	41
Unknown Alkane				CAS #:			
20.675	348091	19.6985131	328.30855	0		0	64
Unknown Alkane				CAS #:			
21.675	290446	16.4364035	273.94005	0		0	64
Unknown Alkane				CAS #:			
22.339	392369	22.2042423	370.07070	0		0	64
Unknown Alkane				CAS #:			
23.905	324645	18.3717153	306.19525	0		0	64
Unknown Alkane				CAS #:			
24.589	233103	13.1913170	219.85528	0		0	64
Unknown				CAS #:			
25.264	308997	15.9765913	266.27652	0		0	87
Unknown Alkane				CAS #:			
25.383	359526	18.5891676	309.81946	0		0	87
Unknown Alkane				CAS #:			
25.422	312997	16.1834174	269.72362	0		0	87
Unknown Alkane				CAS #:			
26.712	271357	14.0304543	233.84090	0		0	87
Unknown Alkane				CAS #:			
27.893	268905	13.9036473	231.72745	0		0	87
Unknown				CAS #:			
28.509	107735	5.57040102	92.84001	0		0	87
Unknown Alkane				CAS #:			
28.966	207371	10.7220642	178.70106	0		0	87
Unknown Alkane				CAS #:			
29.960	242968	12.5625678	209.37612	0		0	87

Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Report Date: 07-Feb-2006 09:02

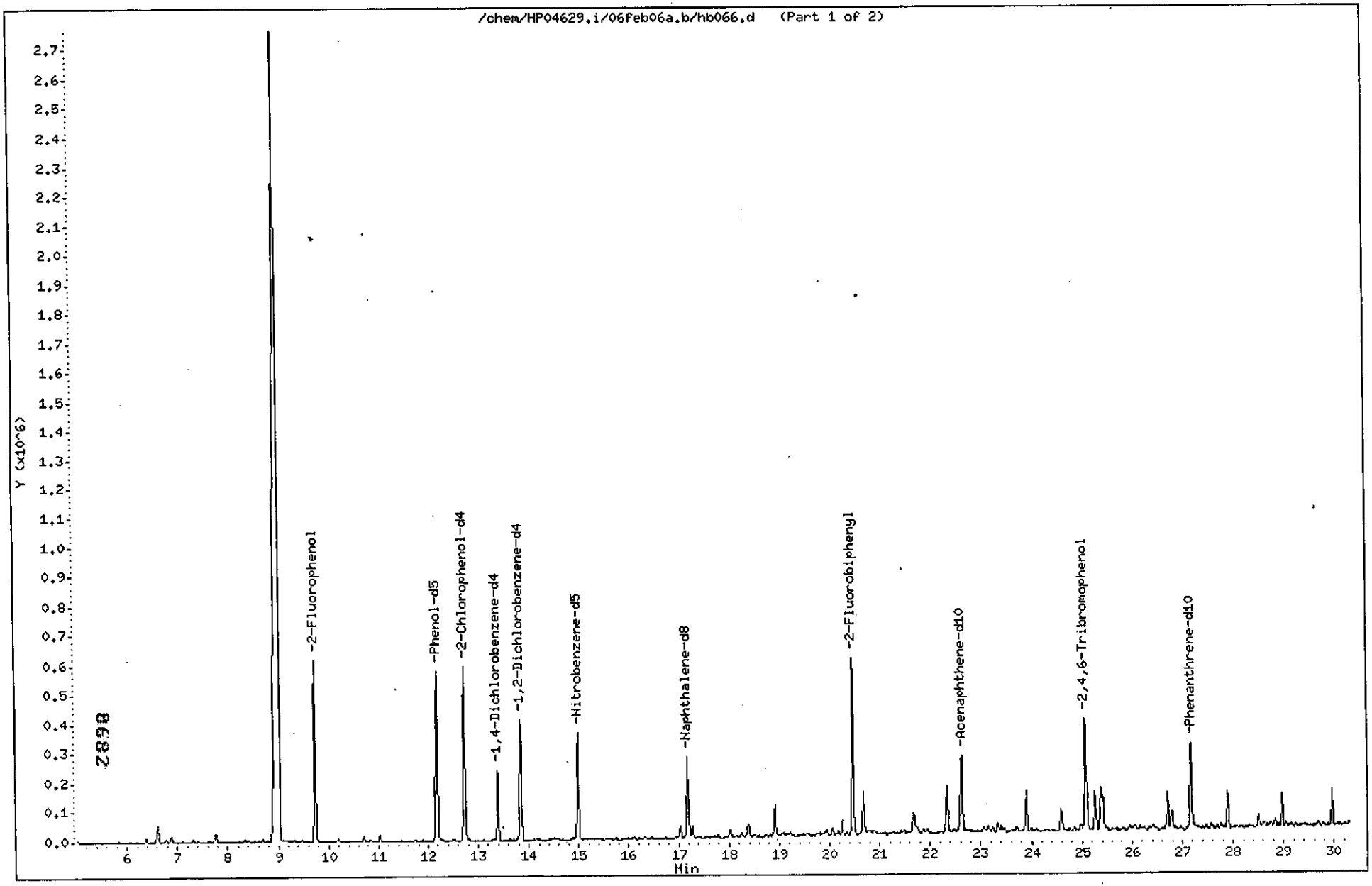
RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
30.517	144217	7.45670773	124.27846	0		0	87
Unknown carboxylic acid				CAS #:			
30.756	387340	24.1249071	402.08178	0		0	99
Unknown Alkane				CAS #:			
30.885	224948	14.0105441	233.50906	0		0	99
Unknown				CAS #:			
30.935	119134	7.42008611	123.66810	0		0	99
Unknown Alkane				CAS #:			
31.741	232200	14.4622637	241.03772	0		0	99
Unknown				CAS #:			
32.487	276264	17.2067160	286.77859	0		0	99
Unknown Alkane				CAS #:			
32.606	241079	15.0152386	250.25397	0		0	99
Unknown				CAS #:			
32.666	79101	4.92668070	82.11134	0		0	99
Unknown Alkane				CAS #:			
33.570	260950	16.2528815	270.88135	0		0	99
Unknown Alkane				CAS #:			
34.691	229702	14.3066415	238.44402	0		0	99
Unknown Alkane				CAS #:			
36.007	200751	12.5034613	208.39102	0		0	99
Unknown Alkane				CAS #:			
39.487	118183	11.6118699	193.53116	0		0	105
Unknown Alkane				CAS #:			
41.819	117914	11.5854648	193.09107	0		0	105
Unknown				CAS #:			
47.368	1330884	130.763789	2179.39648	0		0	105

③ amel 412 2/8/06

Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Date : 07-FEB-2006 03:11
Client ID: 6024-
Sample Info: 6024-;4692569;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25



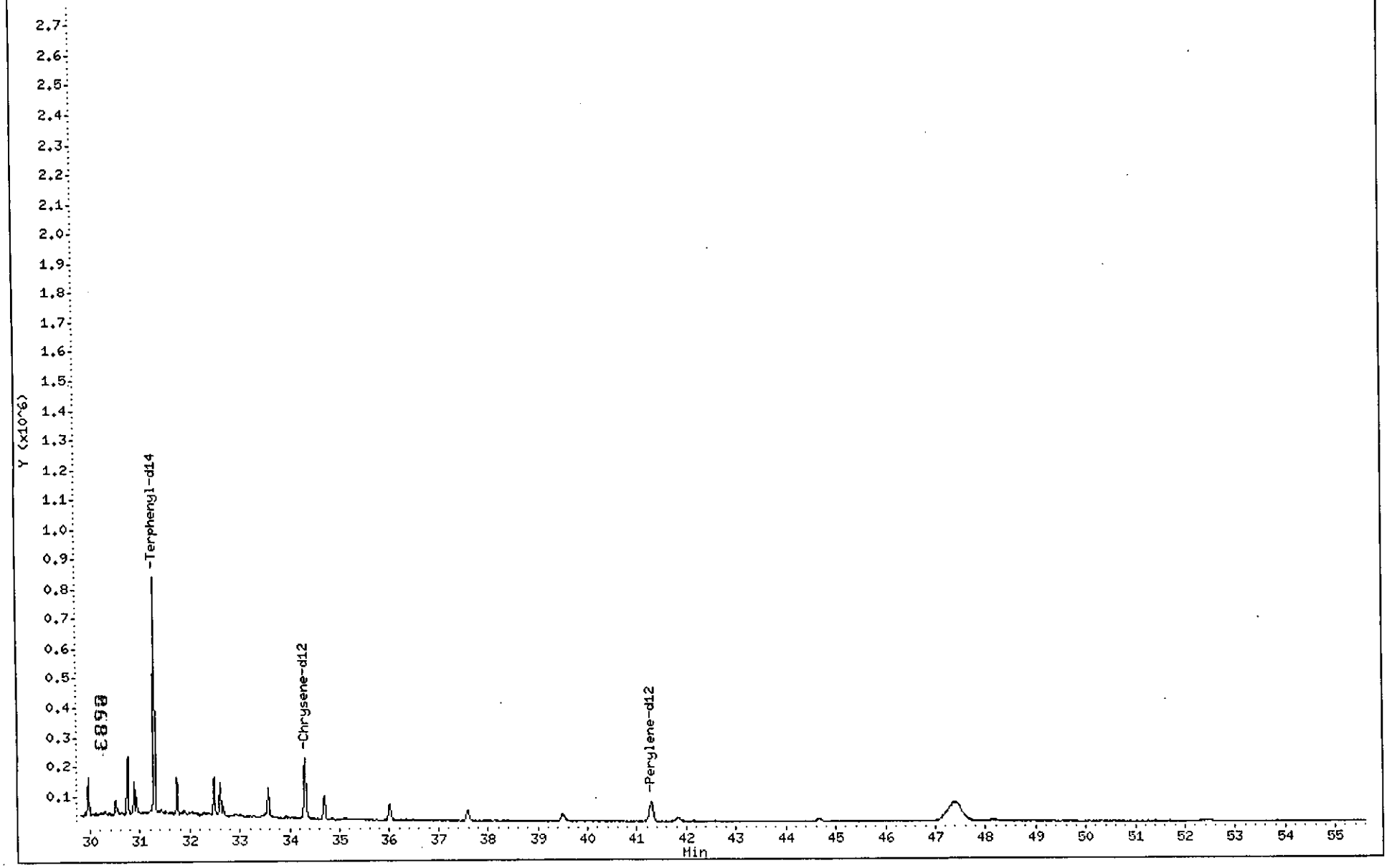
Data File: /chem/HP04629.i/06feb06a.b/hb066.d
Date : 07-FEB-2006 03:11
Client ID: 6024-
Sample Info: 6024-;4692569;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

JMB 2/07/06

/chem/HP04629.i/06feb06a.b/hb066.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

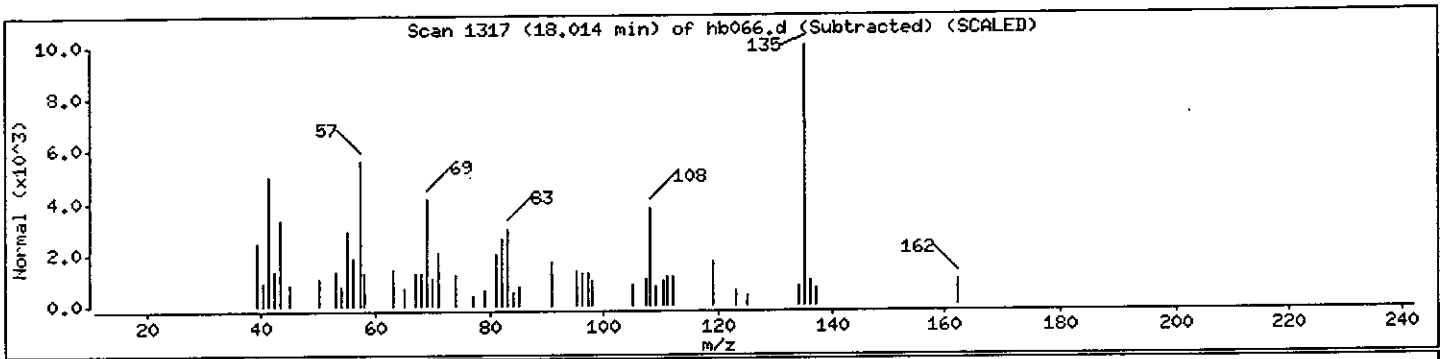
Volume Injected (uL): 2.0

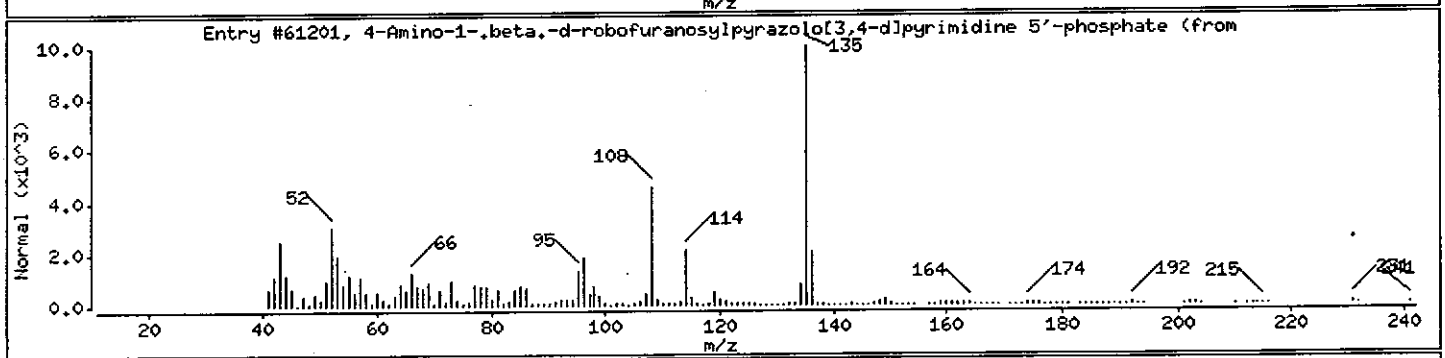
Operator: lmh00956

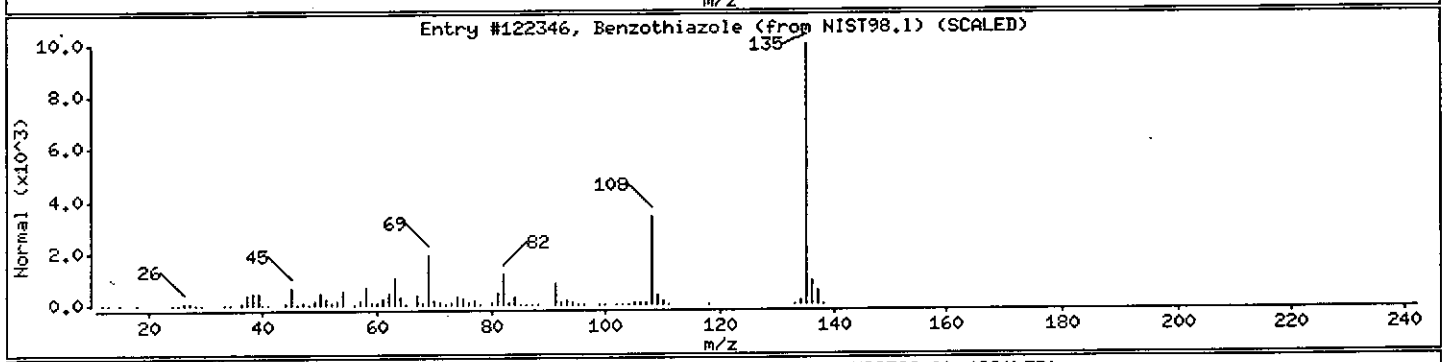
Column phase: J&W DB-5.625

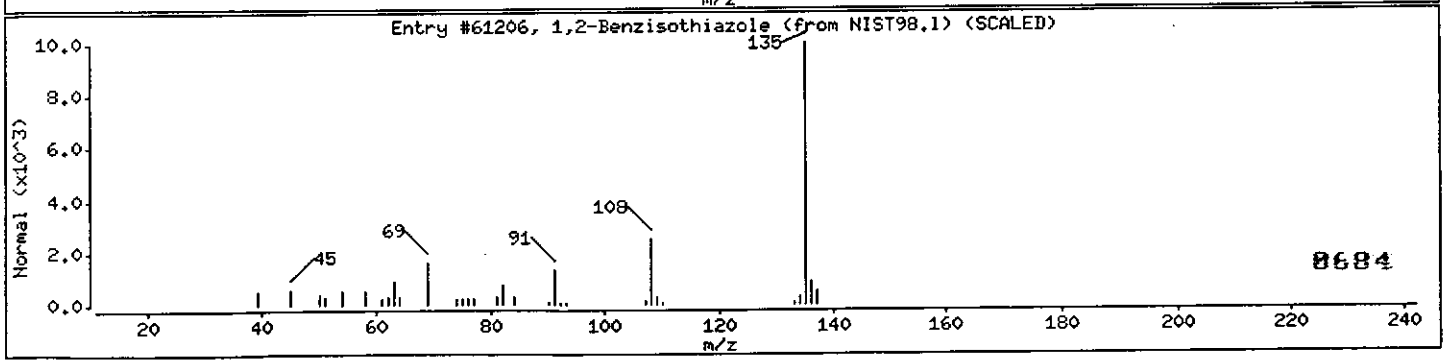
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Amino-1-.beta.-d-robofuranosylpyrazolo	1000212-45-2	NIST98.1	61201	50	C10H14N5O7P	347
Benzothiazole	95-16-9	NIST98.1	122346	49	C7H5NS	135
1,2-Benzisothiazole	272-16-2	NIST98.1	61206	49	C7H5NS	135









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Sample Info: 6024-;4692569;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

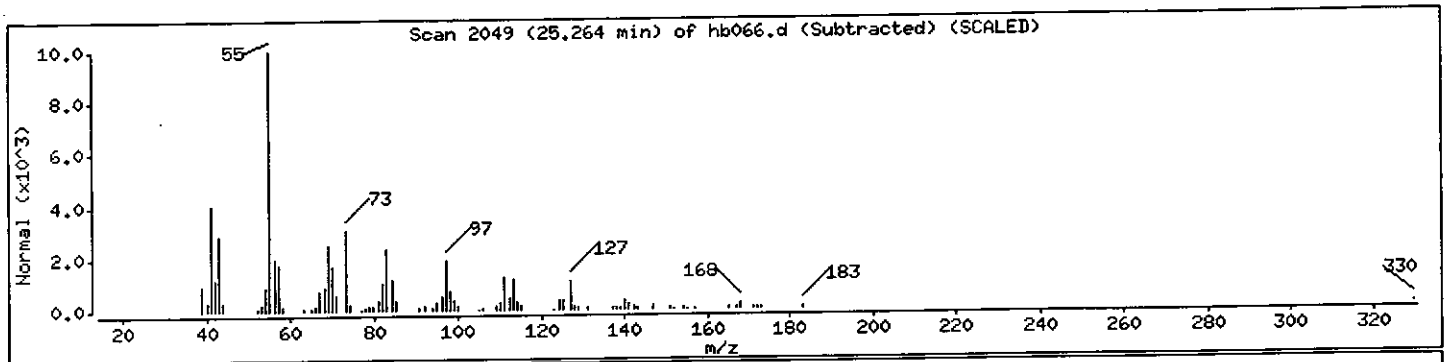
Instrument: HP04629.i

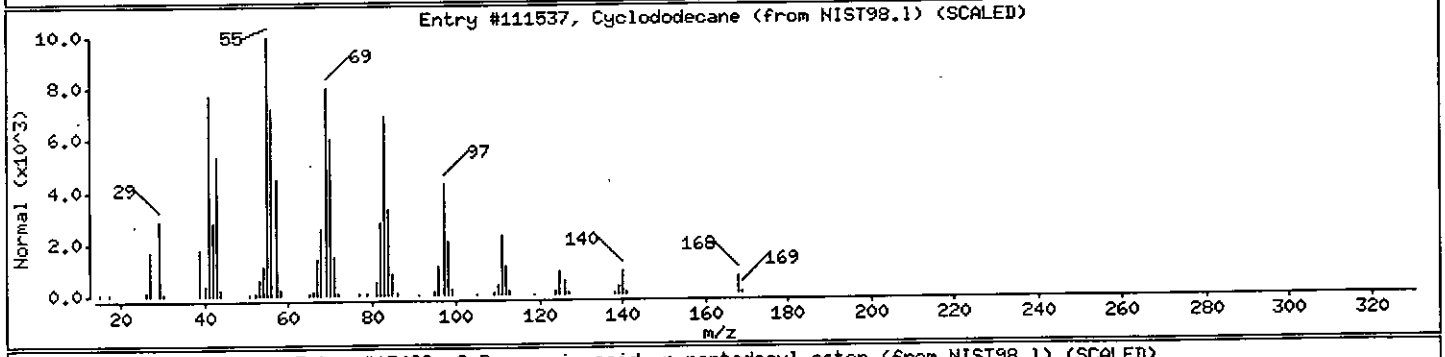
Operator: lmh00956

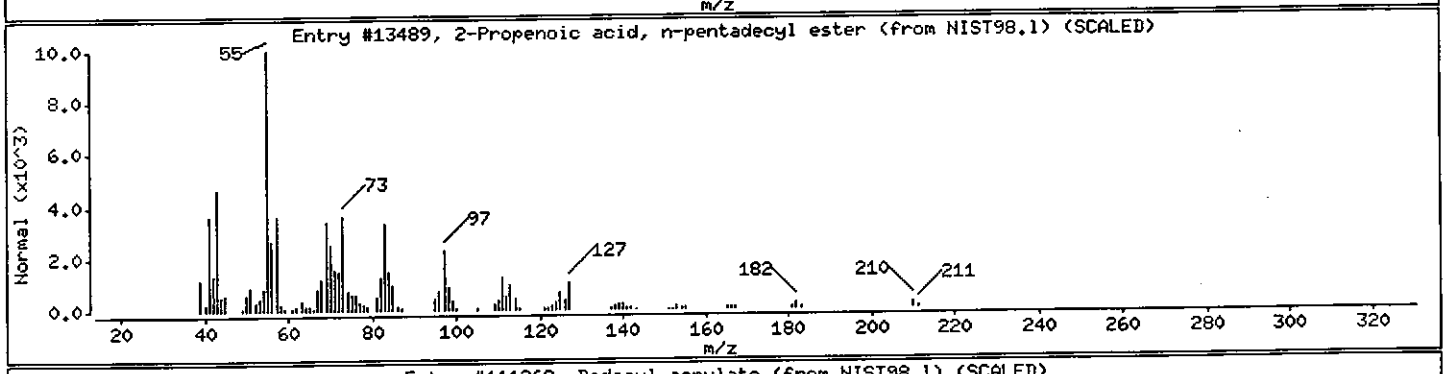
Column diameter: 0.25

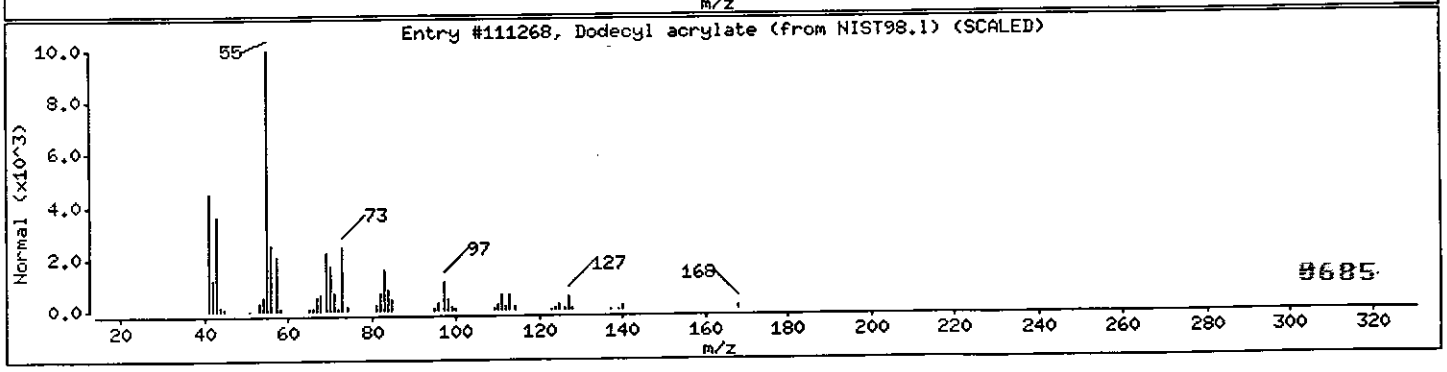
(B) 4mn198
02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NIST98.1	111537	90	C12H24	168
2-Propenoic acid, n-pentadecyl ester	1000245-64-0	NIST98.1	13489	90	C18H3402	282
Dodecyl acrylate	2156-97-0	NIST98.1	111268	86	C15H2802	240









9685

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

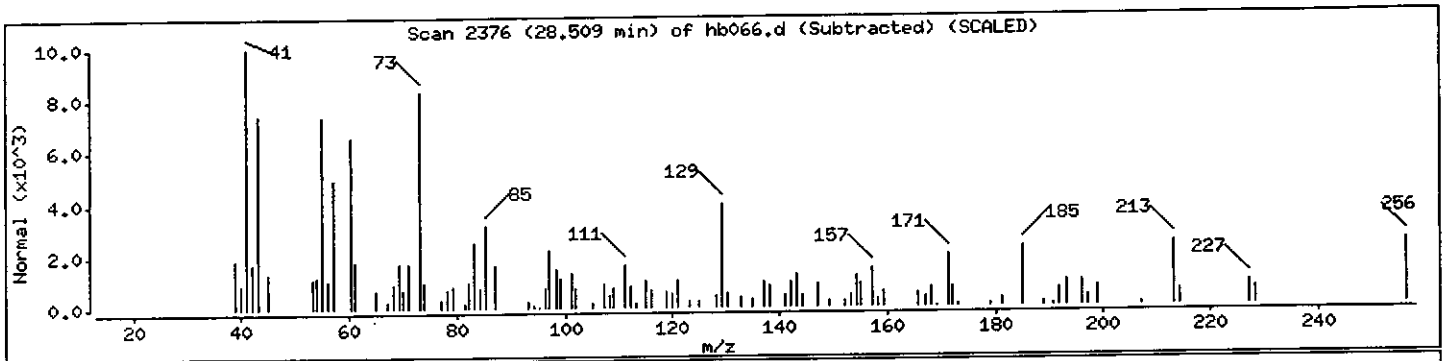
Volume Injected (uL): 2.0

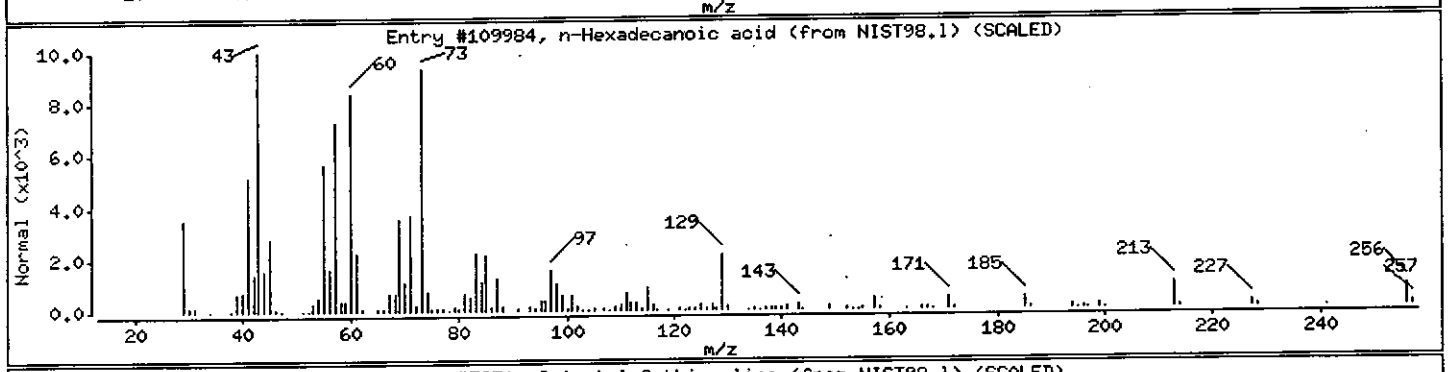
Operator: lmh00956

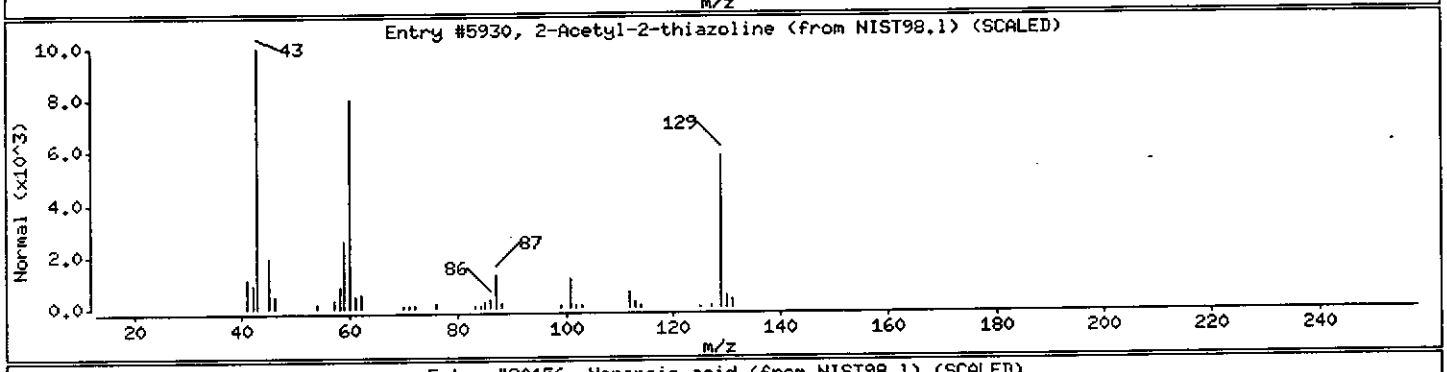
Column phase: J&W DB-5.625

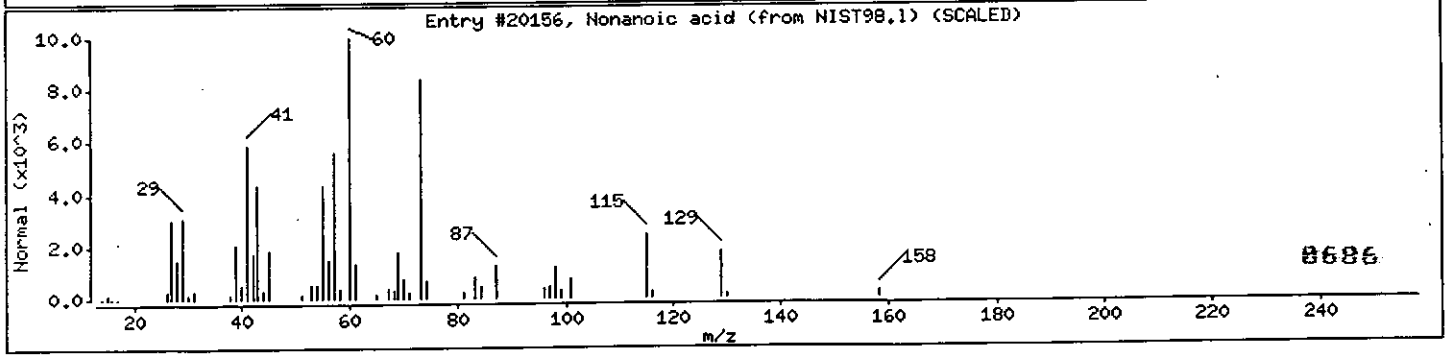
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Hexadecanoic acid	57-10-3	NIST98.1	109984	76	C16H32O2	256
2-Acetyl-2-thiazoline	1000121-56-5	NIST98.1	5930	38	C5H7NOS	129
Nonanoic acid	112-05-0	NIST98.1	20156	30	C9H18O2	158









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

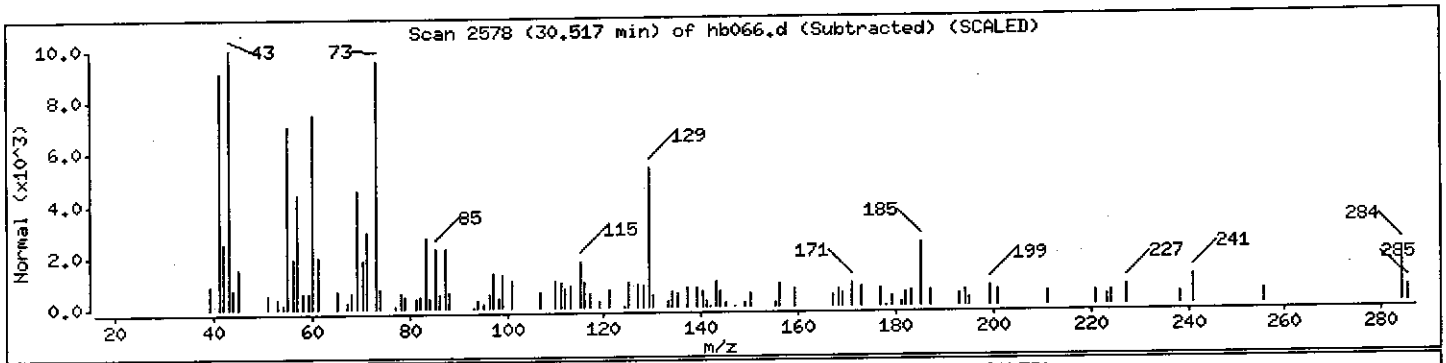
Volume Injected (uL): 2.0

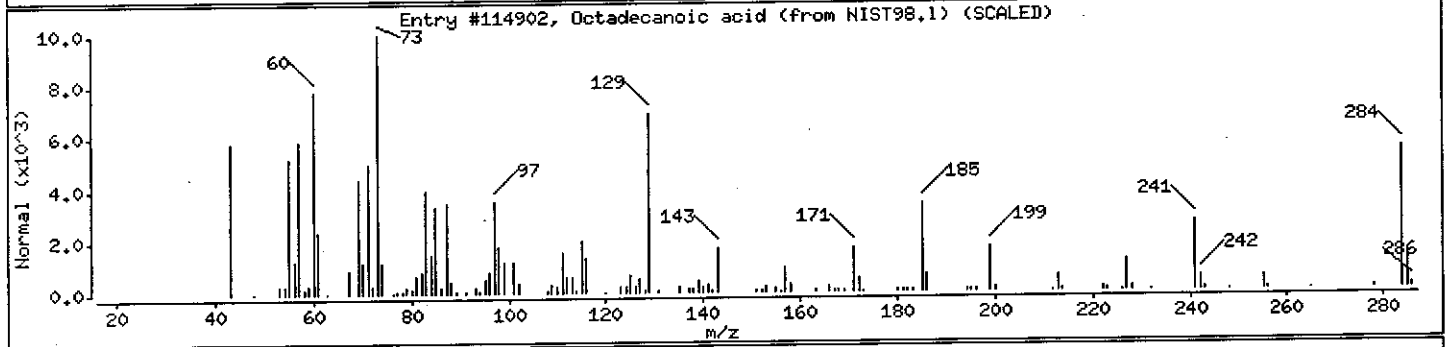
Operator: lmh00956

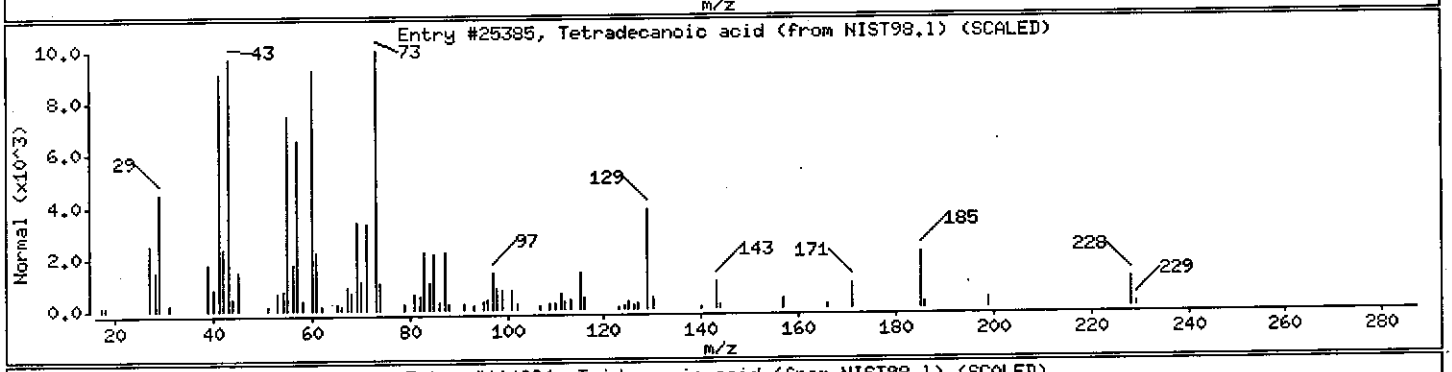
Column phase: J&W DB-5.625

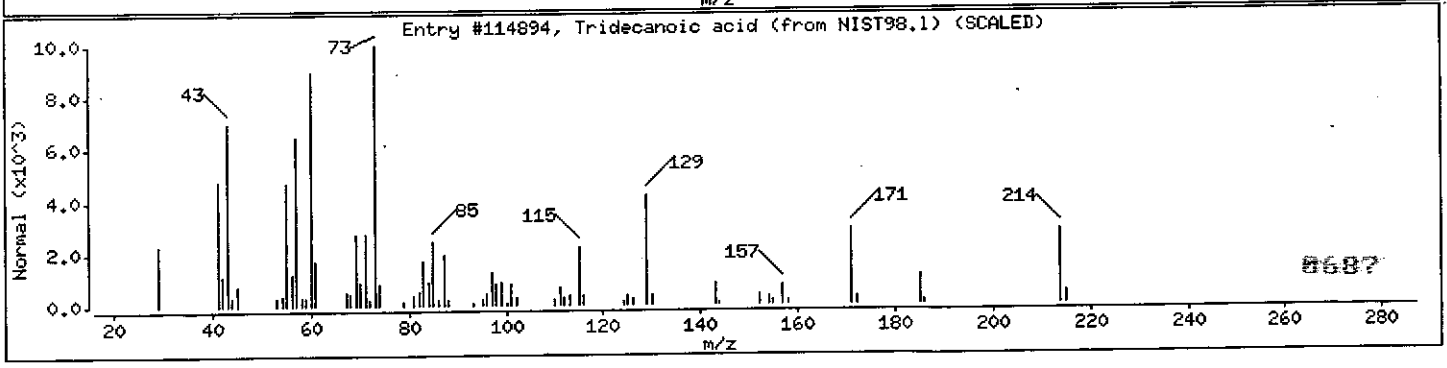
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid	57-11-4	NIST98.1	114902	94	C18H3602	284
Tetradecanoic acid	544-63-8	NIST98.1	25385	68	C14H2802	228
Tridecanoic acid	638-53-9	NIST98.1	114894	53	C13H2602	214









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

Volume Injected (uL): 2.0

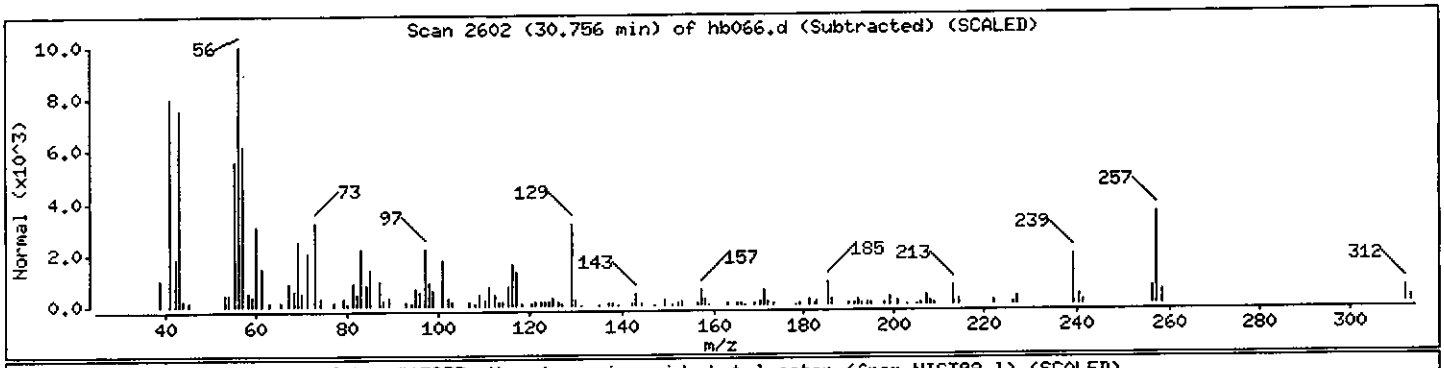
Operator: lmh00956

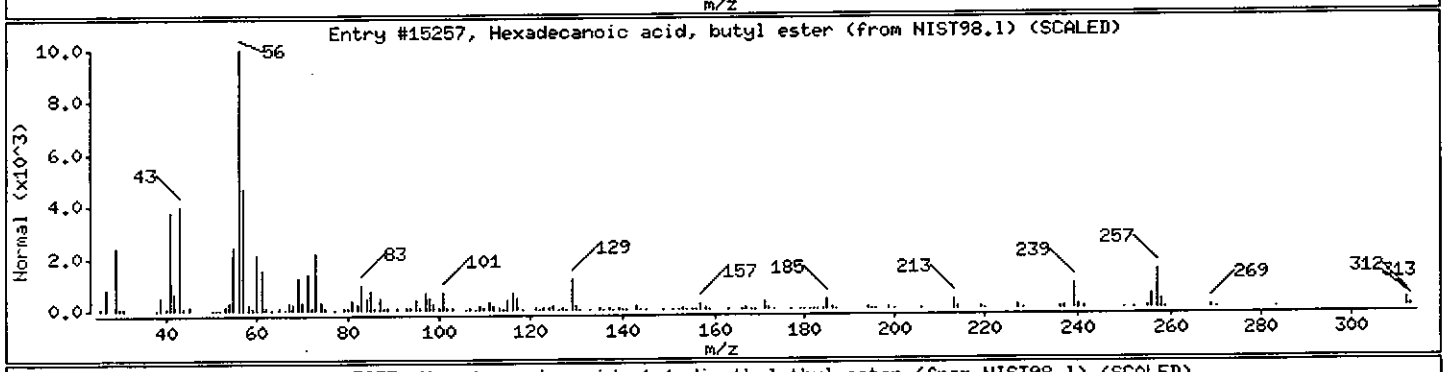
Column phase: J&W DB-5.625

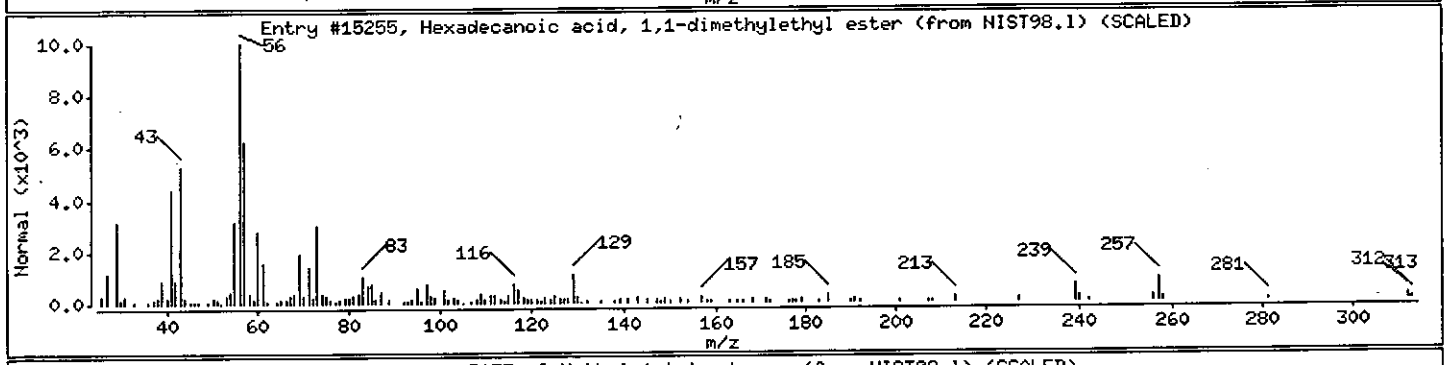
Column diameter: 0.25

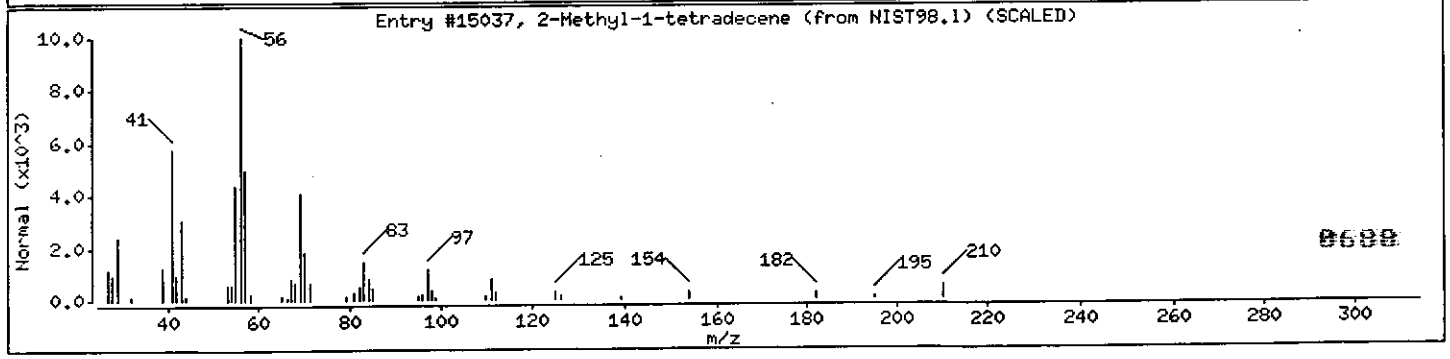
(B) LMN195 02/06/07

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	81	C20H40O2	312
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	74	C20H40O2	312
2-Methyl-1-tetradecene	52254-38-3	NIST98.1	15037	27	C15H30	210









0688

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

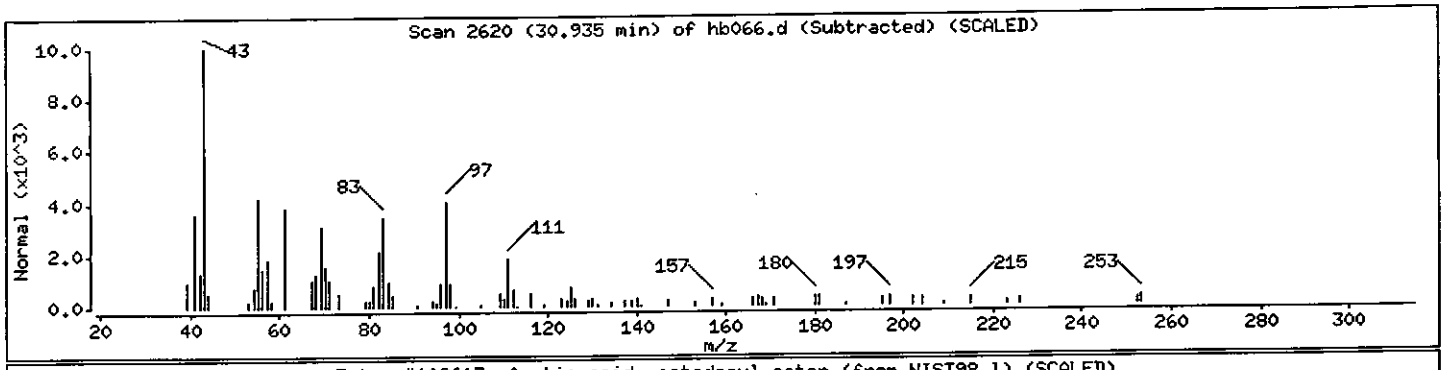
Volume Injected (uL): 2.0

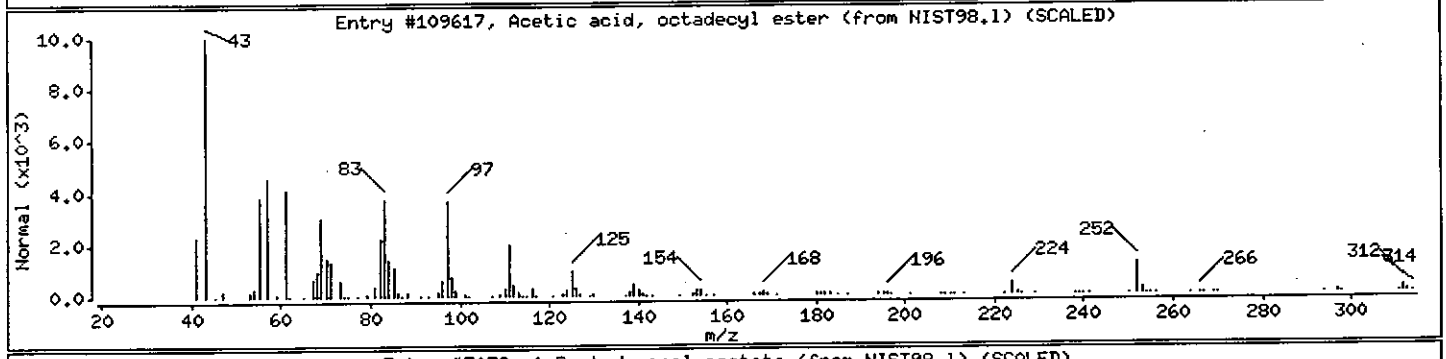
Operator: lmh00956

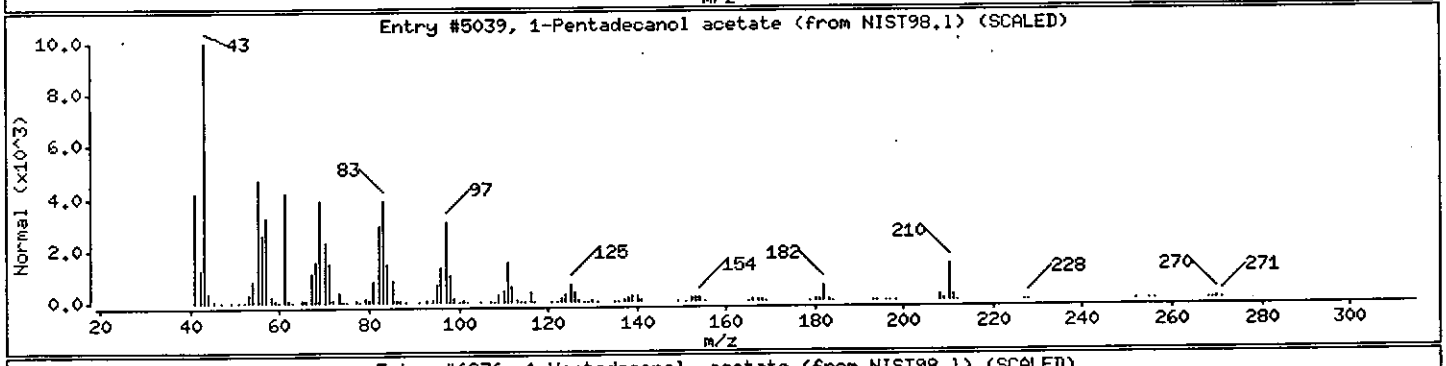
Column phase: J&W DB-5.625

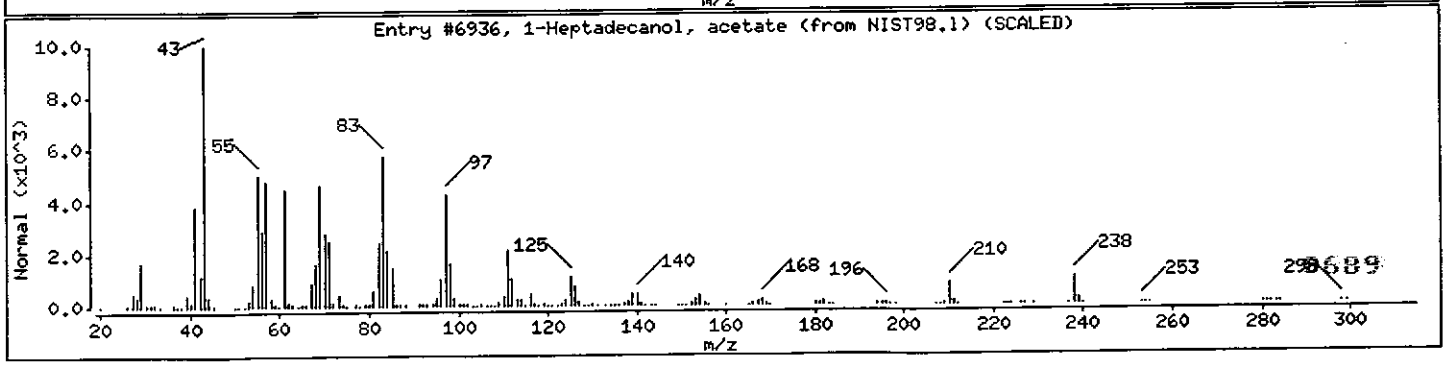
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	109617	72	C20H4002	312
1-Pentadecanol acetate	1000131-34-1	NIST98.1	5039	50	C17H3402	270
1-Heptadecanol, acetate	822-20-8	NIST98.1	6936	46	C19H3802	298









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Sample Info: 6024-;4692569;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

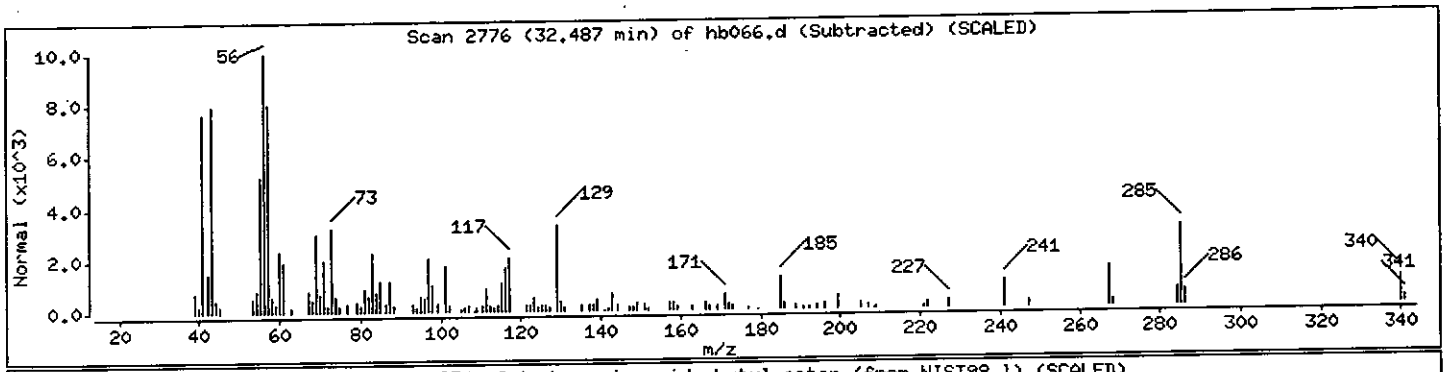
Instrument: HP04629.i

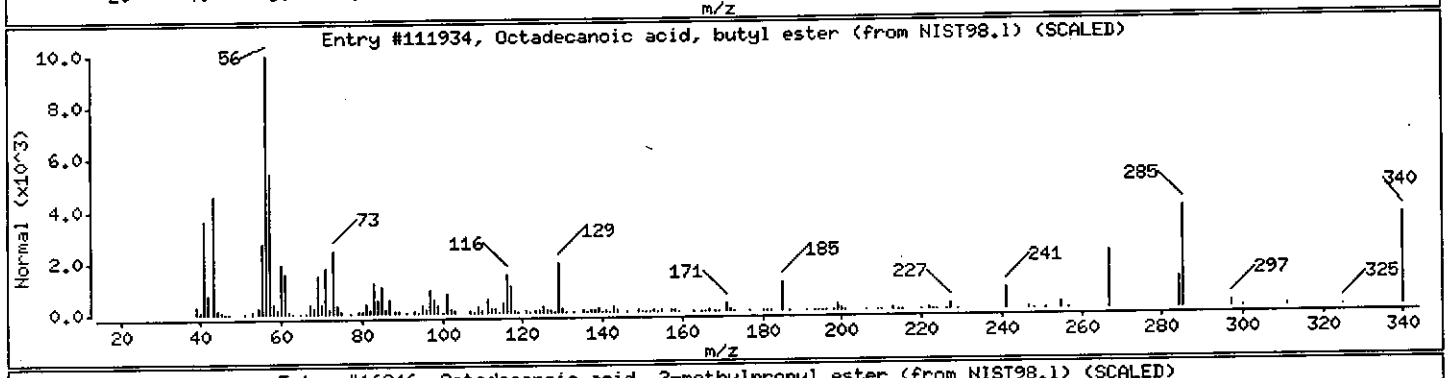
Operator: lmh00956

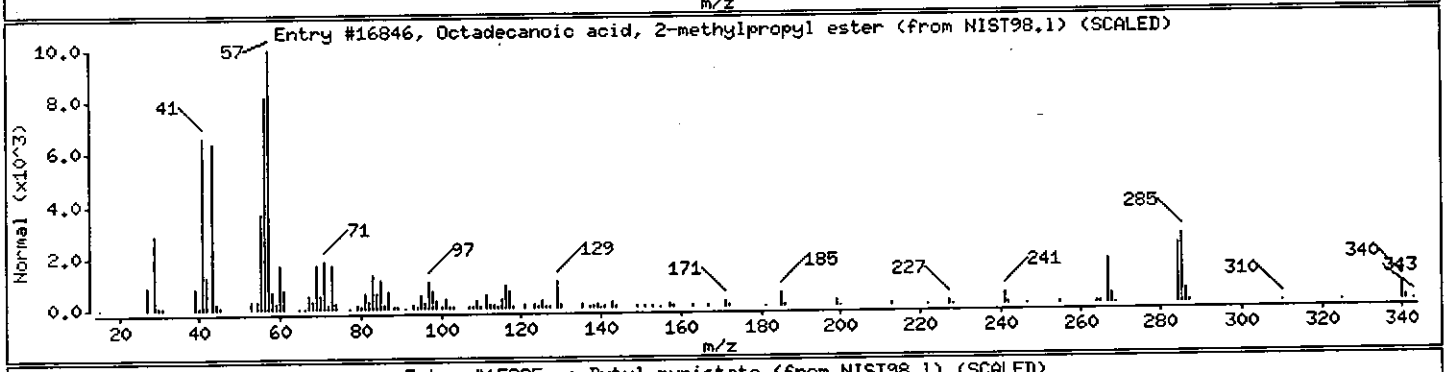
Column diameter: 0.25

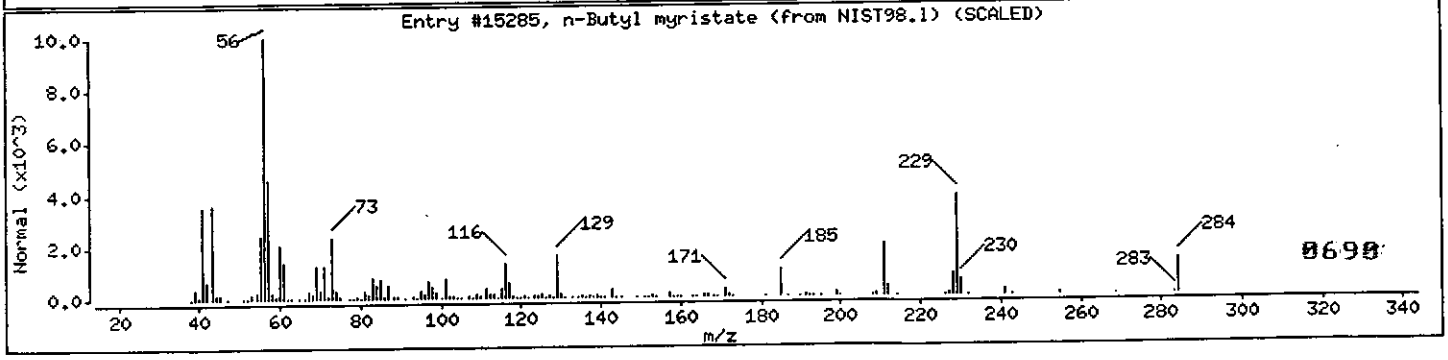
(B) LMN195 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111934	93	C22H4402	340
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	70	C22H4402	340
n-Butyl myristate	110-36-1	NIST98.1	15285	53	C18H3602	284









0698

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

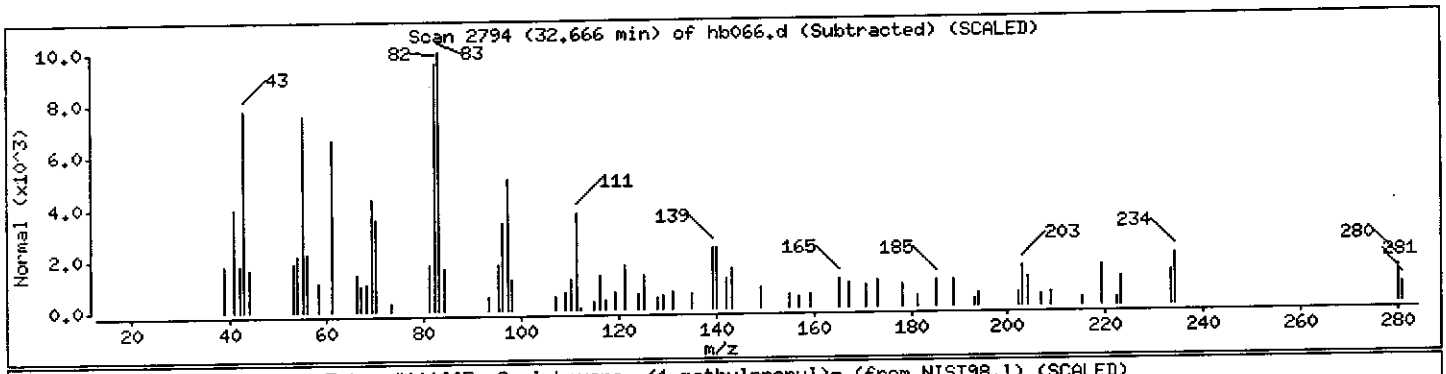
Volume Injected (uL): 2.0

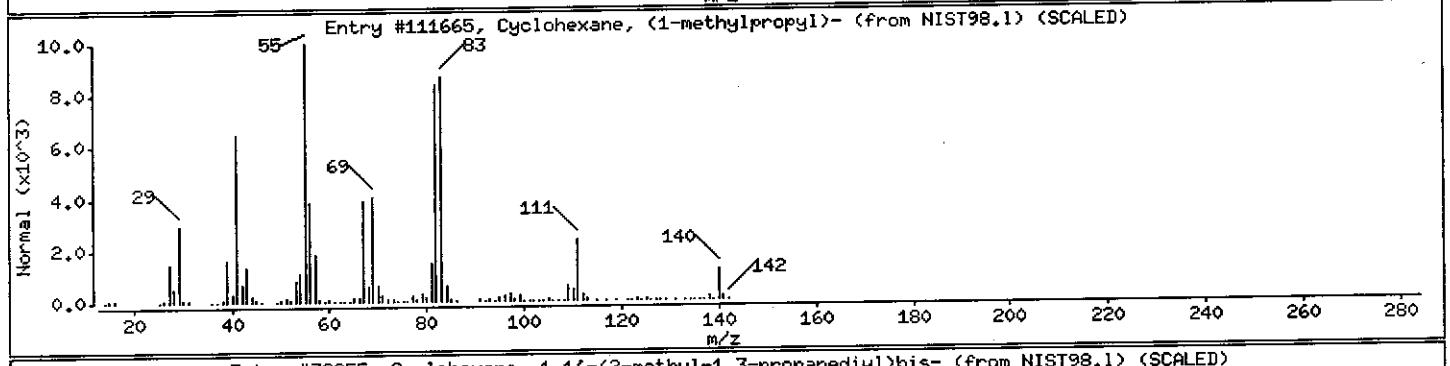
Operator: lmh00956

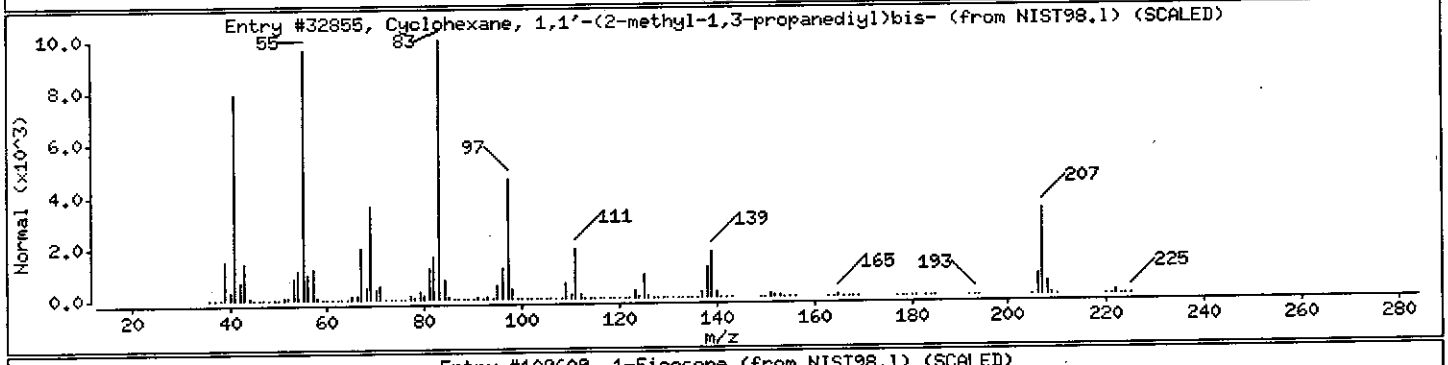
Column phase: J&W DB-5.625

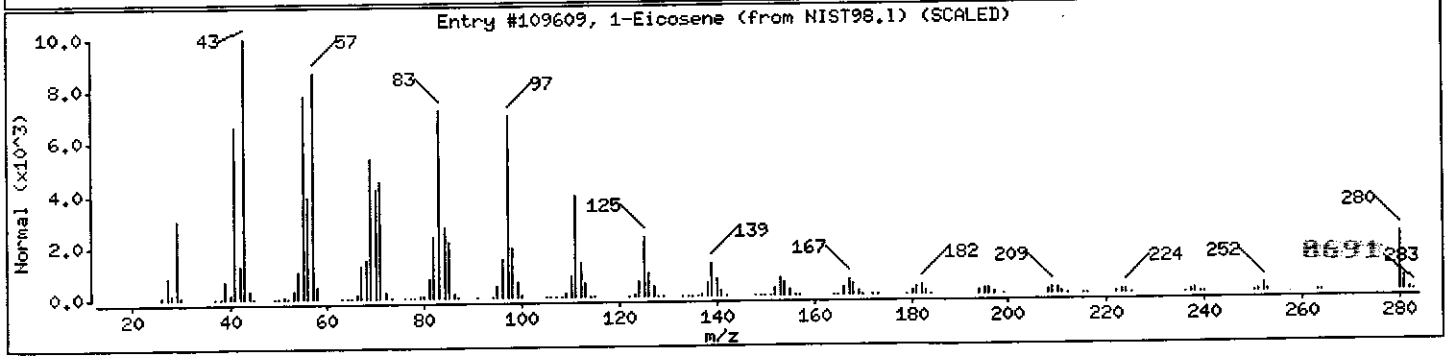
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (1-methylpropyl)-	7058-01-7	NIST98.1	111665	49	C10H20	140
Cyclohexane, 1,1'-(2-methyl-1,3-propaned	2883-08-1	NIST98.1	32855	43	C16H30	222
1-Eicosene	3452-07-1	NIST98.1	109609	38	C20H40	280









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

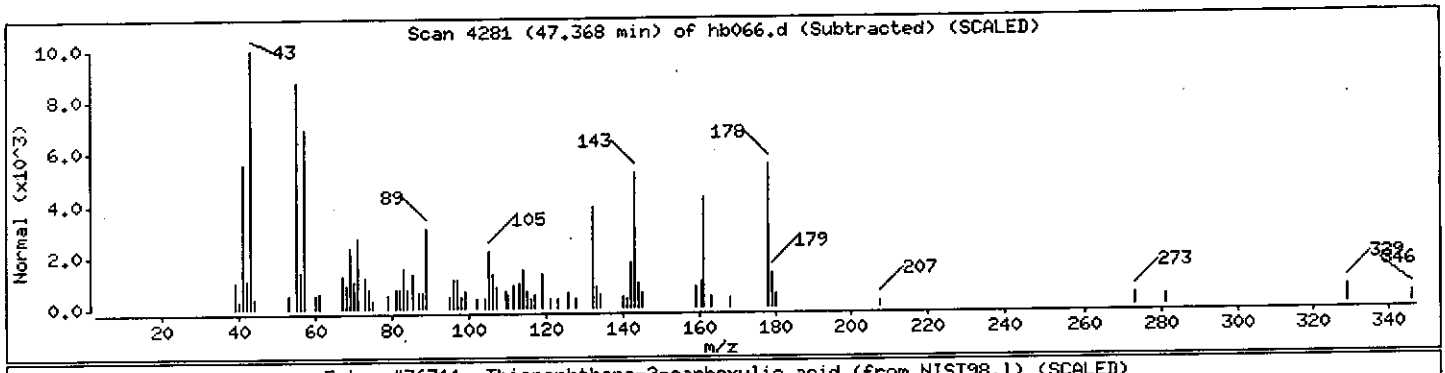
Volume Injected (uL): 2.0

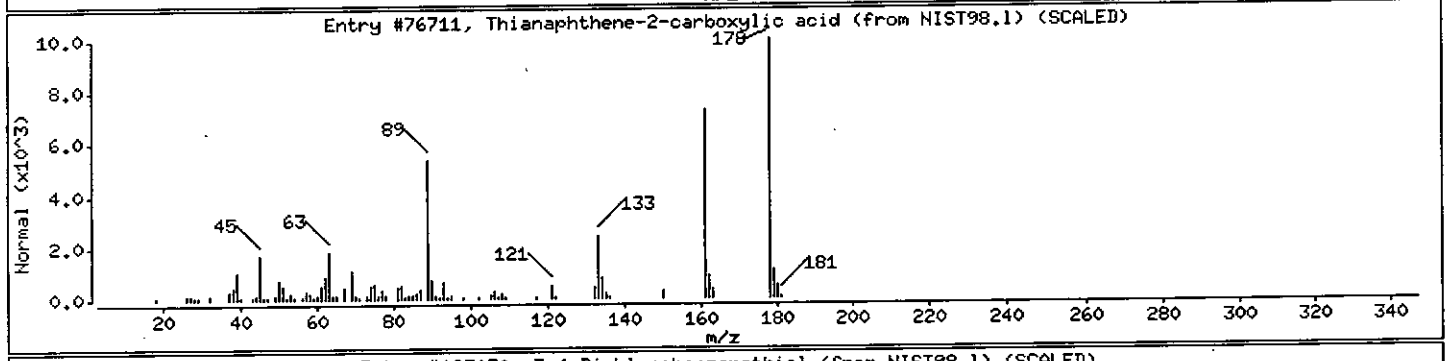
Operator: lmh00956

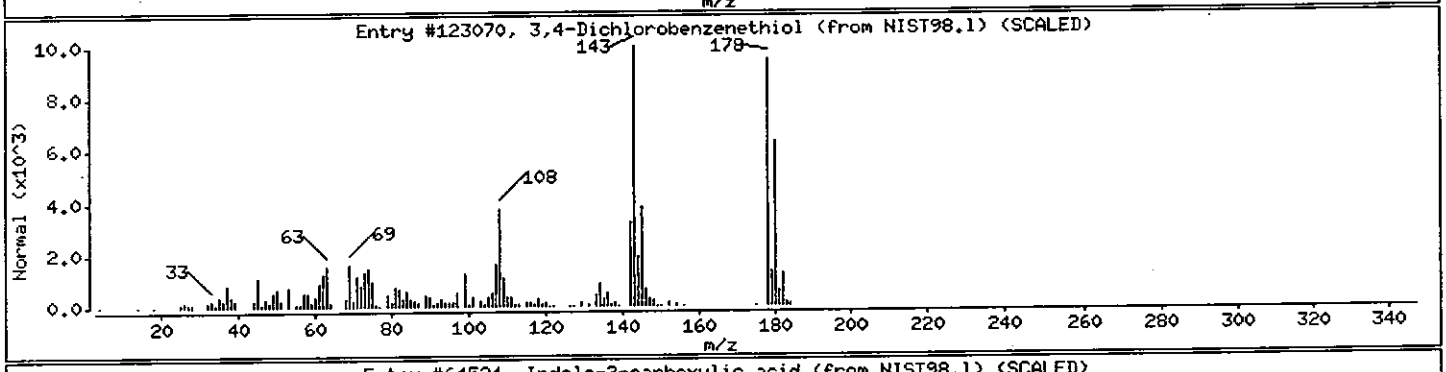
Column phase: J&W DB-5.625

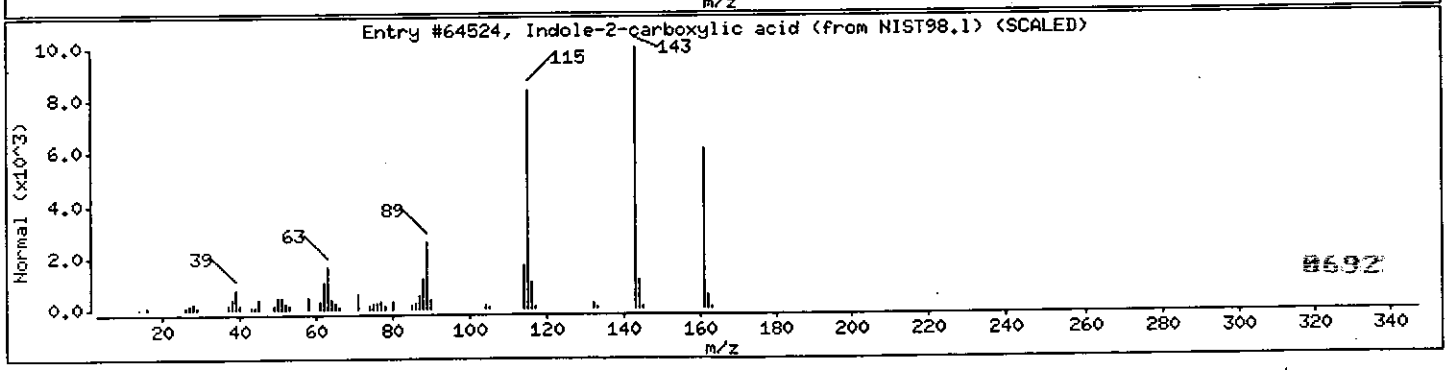
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.1	76711	41	C9H6O2S	178
3,4-Dichlorobenzenethiol	5858-17-3	NIST98.1	123070	38	C6H4Cl2S	178
Indole-2-carboxylic acid	1477-50-5	NIST98.1	64524	35	C9H7NO2	161









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

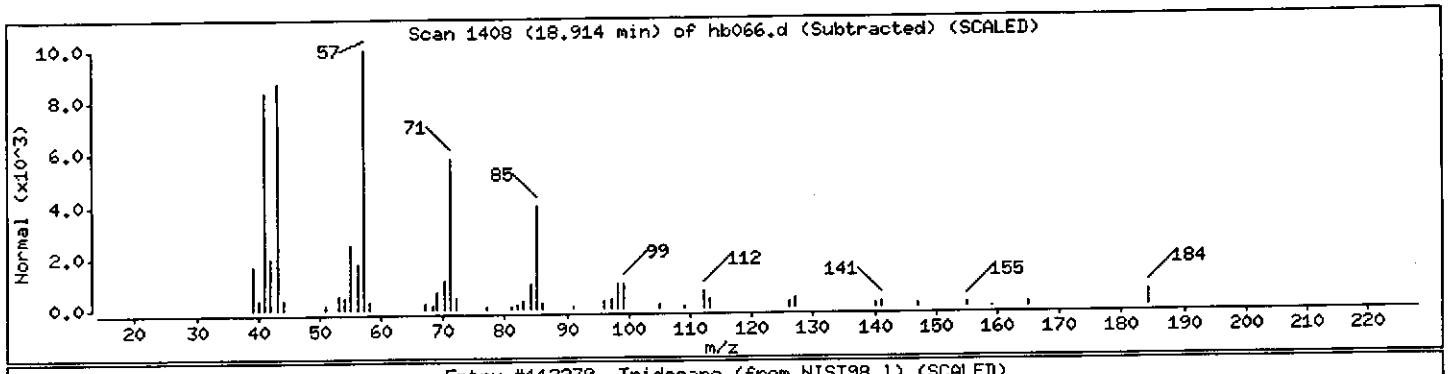
Volume Injected (uL): 2.0

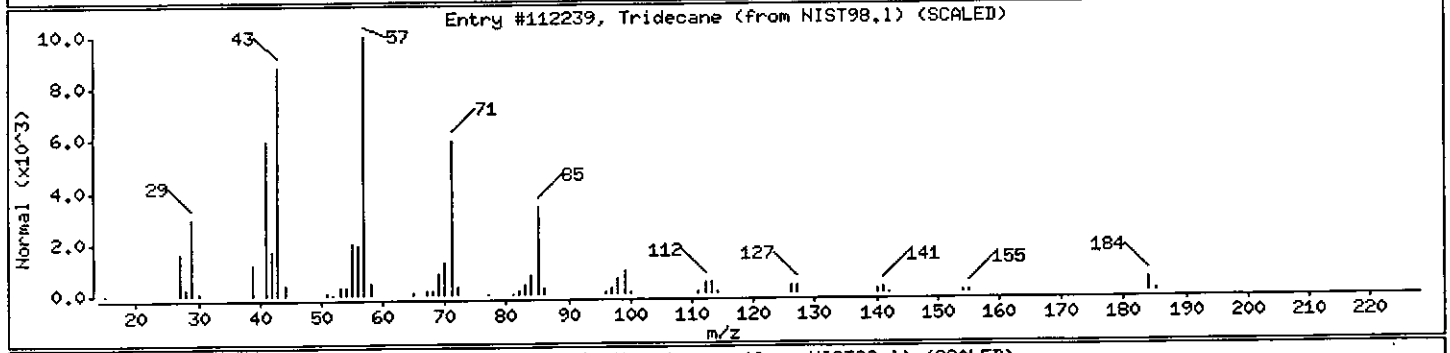
Operator: lmh00956

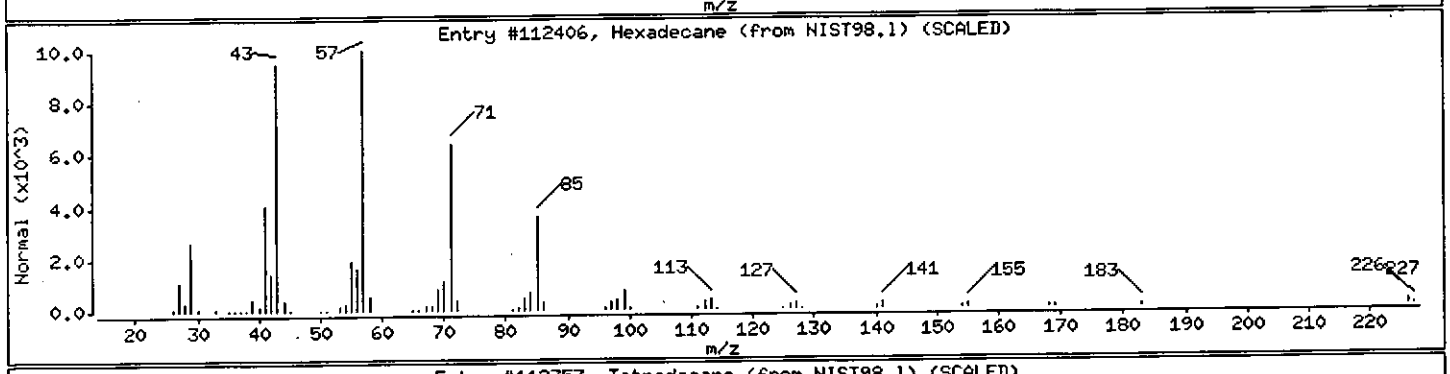
Column phase: J&W DB-5.625

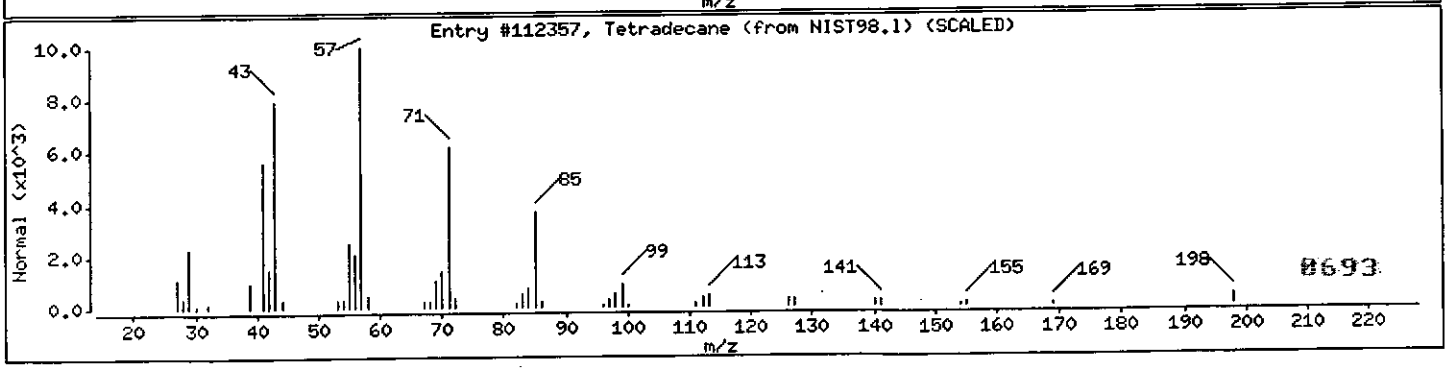
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST98.1	112239	97	C13H28	184
Hexadecane	544-76-3	NIST98.1	112406	80	C16H34	226
Tetradecane	629-59-4	NIST98.1	112357	72	C14H30	198









0693

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

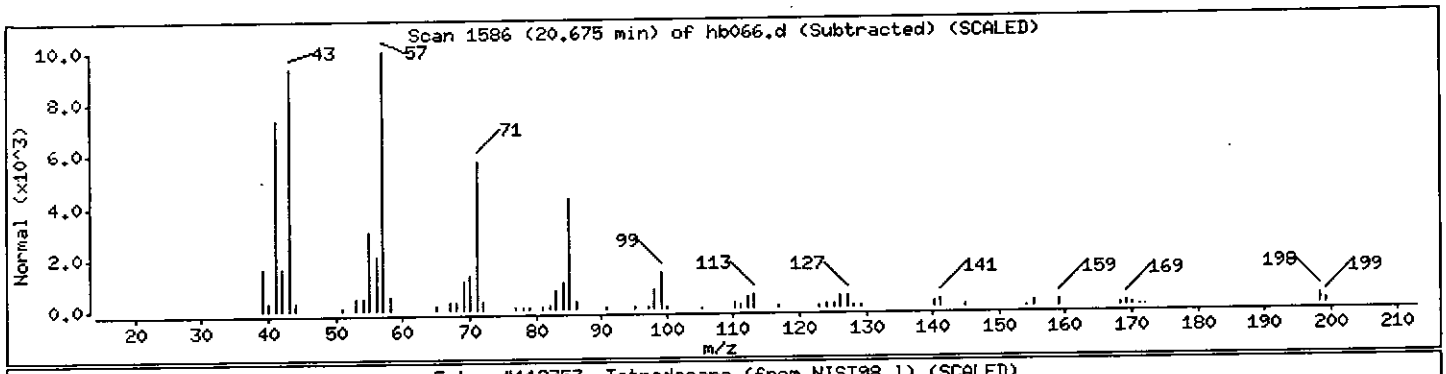
Volume Injected (uL): 2.0

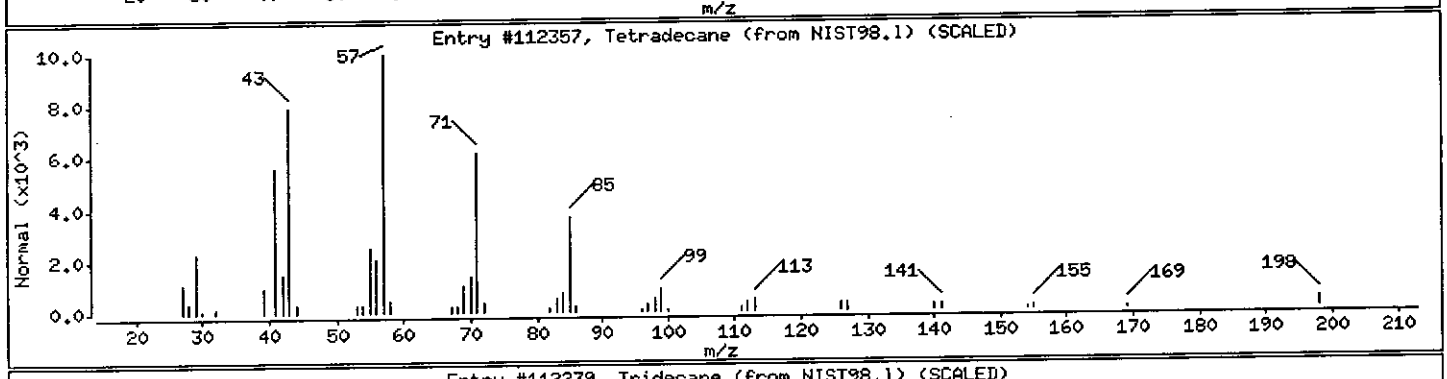
Operator: lmh00956

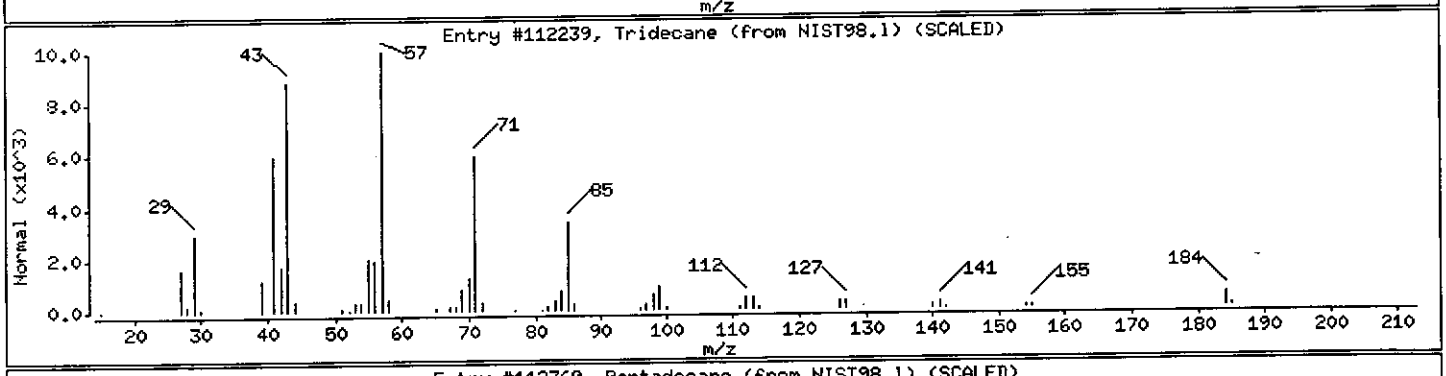
Column phase: J&W DB-5.625

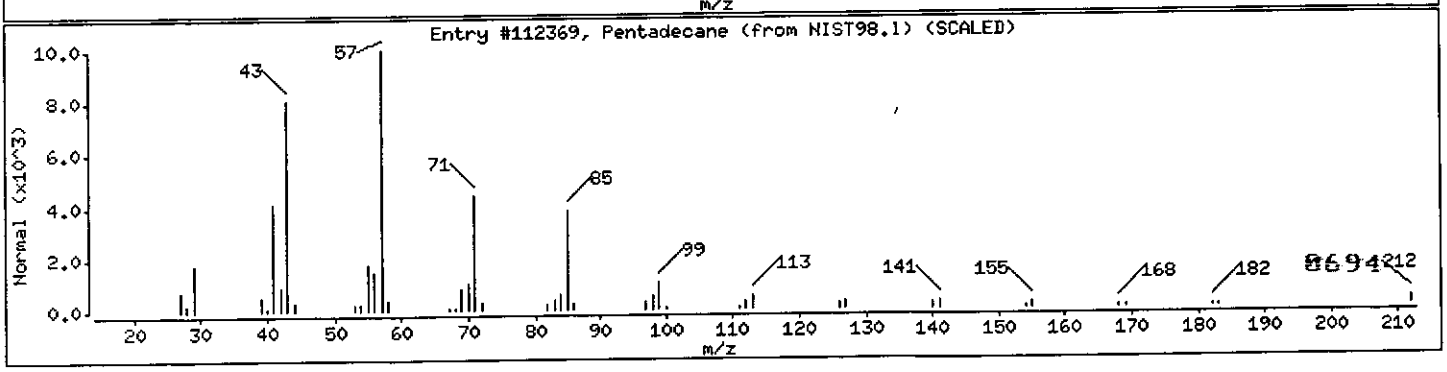
Column diameter: 0.25

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
Pentadecane	629-62-9	NIST98.1	112369	91	C15H32	212









8694

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

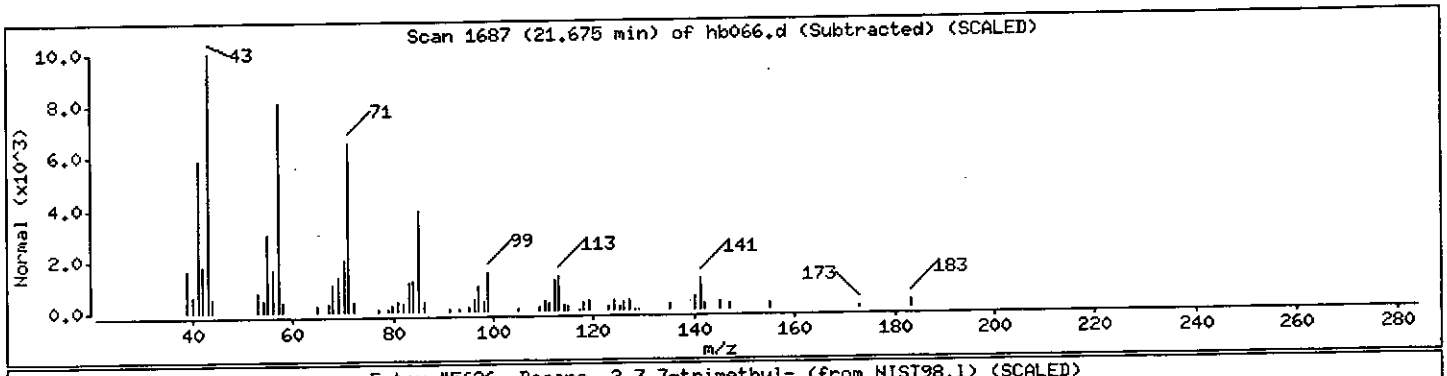
Volume Injected (uL): 2.0

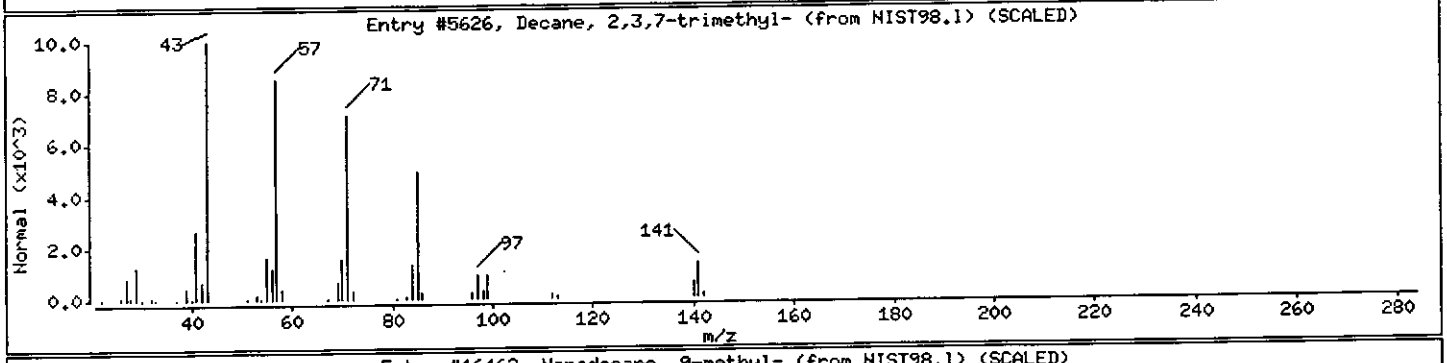
Operator: lmh00956

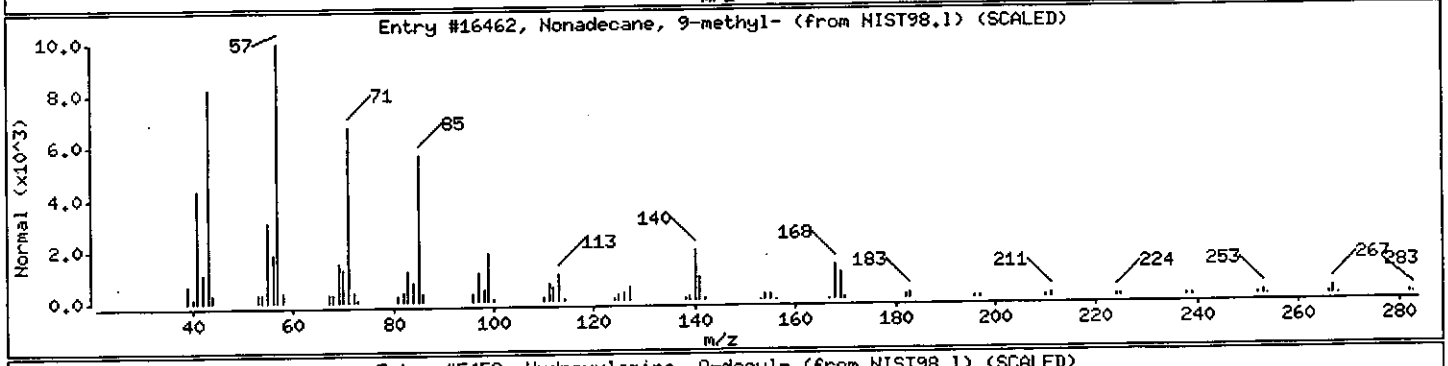
Column phase: J&W DB-5.625

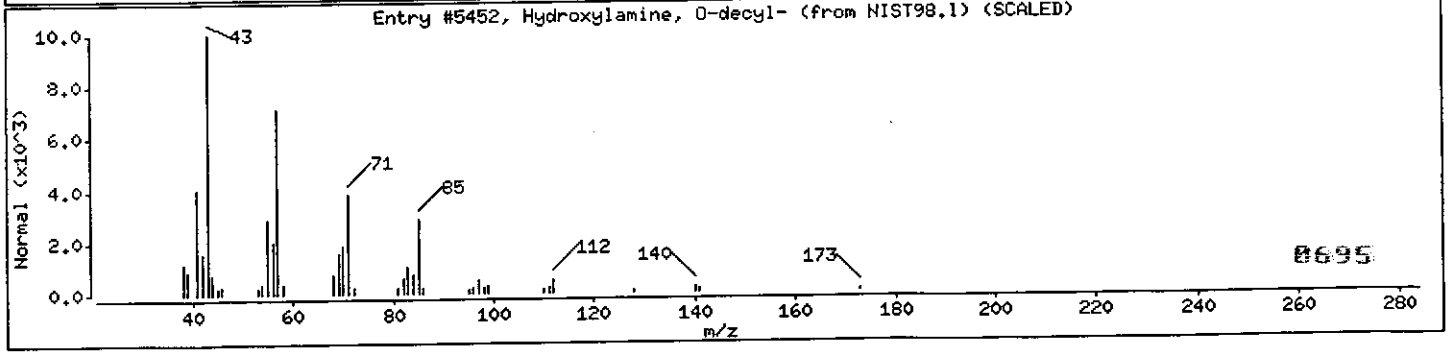
Column diameter: 0.25

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
Nonadecane, 9-methyl-	13287-24-6	NIST98.1	16462	80	C20H42	282
Hydroxylamine, O-decyl-	29812-79-1	NIST98.1	5452	74	C10H23NO	173









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

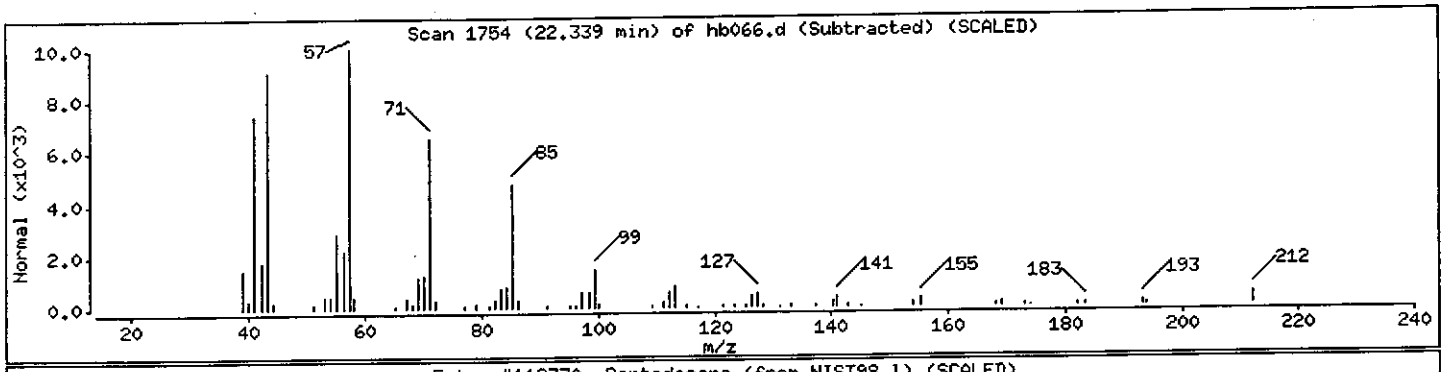
Volume Injected (uL): 2.0

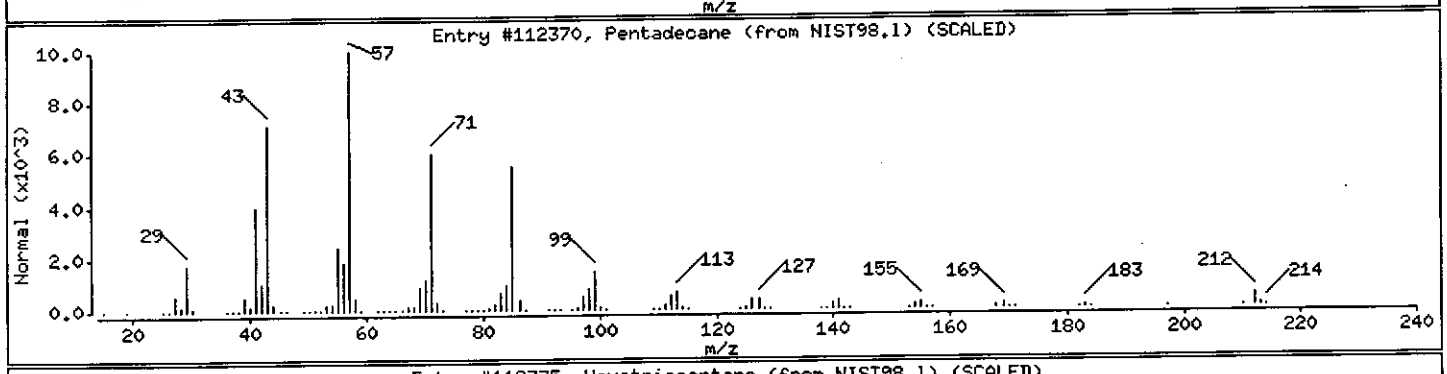
Operator: lmh00956

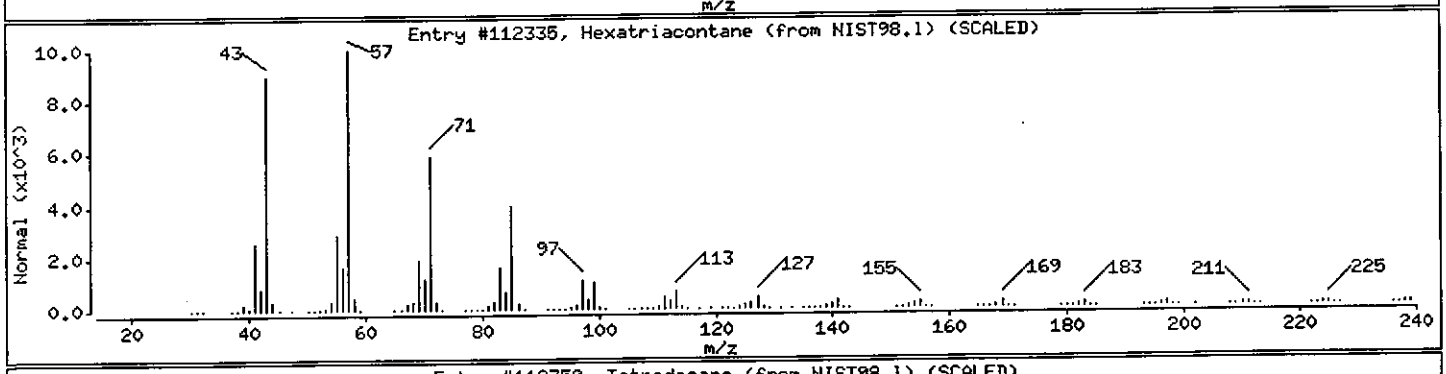
Column phase: J&W DB-5.625

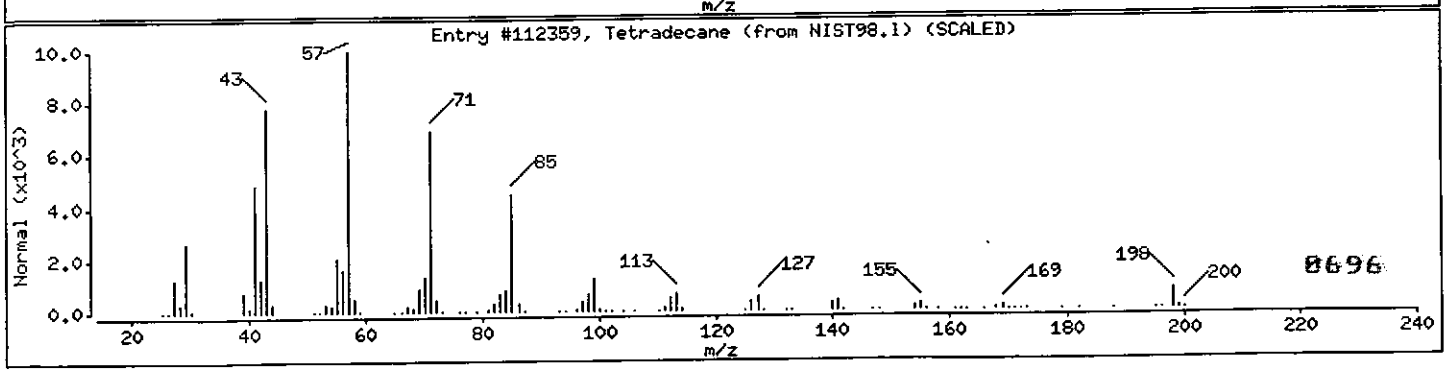
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	97	C15H32	212
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507
Tetradecane	629-59-4	NIST98.1	112359	87	C14H30	198









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

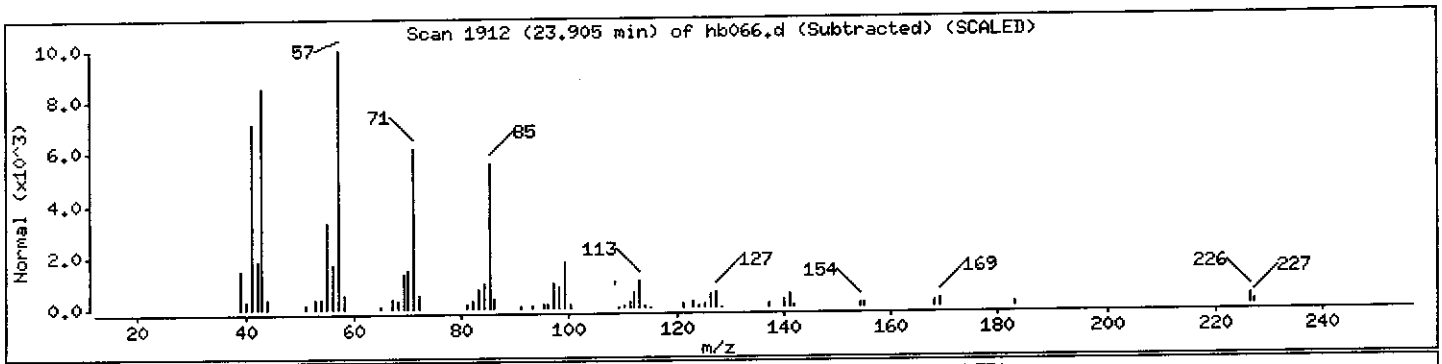
Volume Injected (uL): 2.0

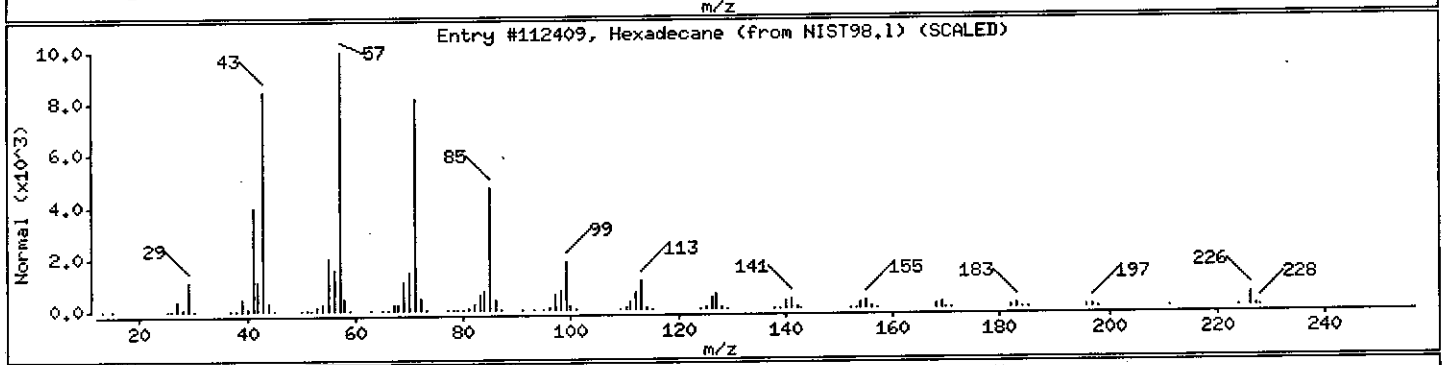
Operator: lmh00956

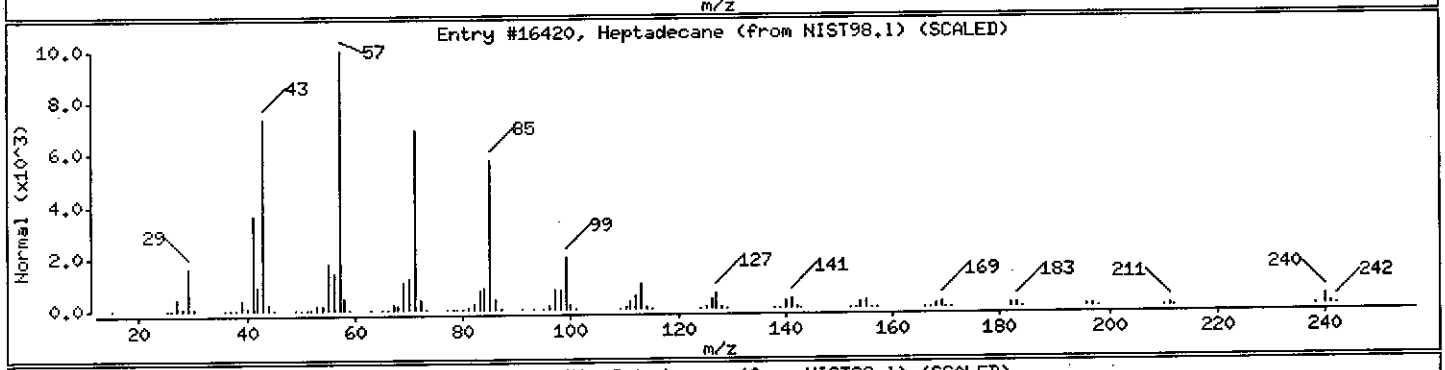
Column phase: J&W DB-5.625

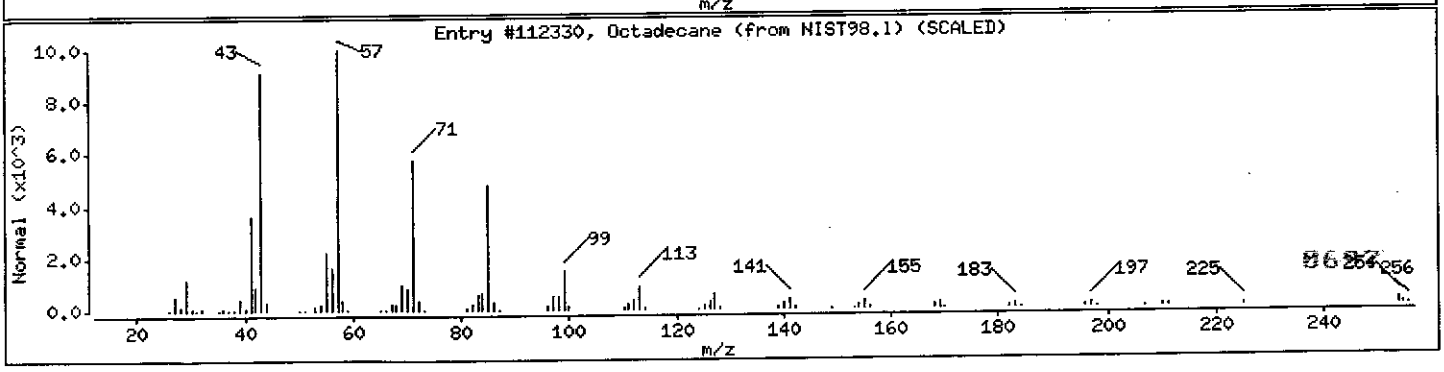
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	112409	96	C16H34	226
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240
Octadecane	593-45-3	NIST98.1	112330	91	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

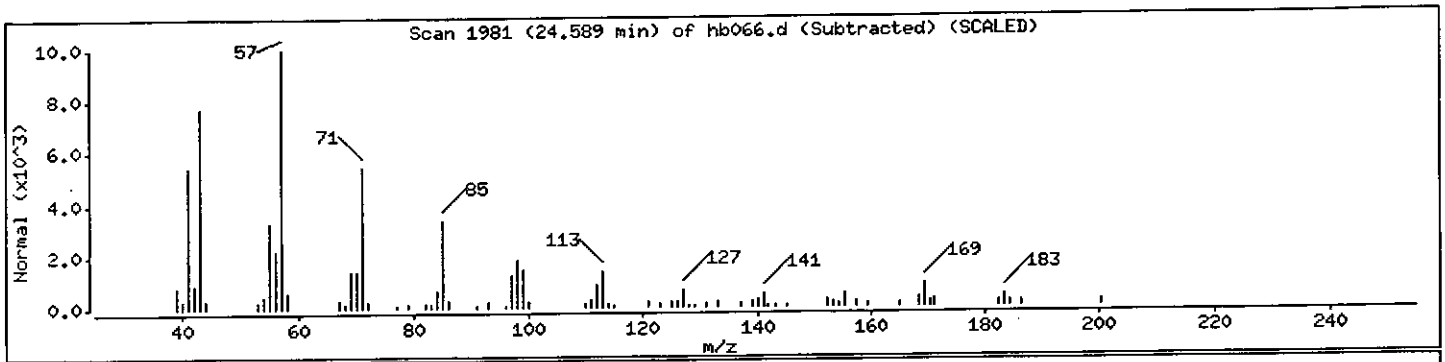
Volume Injected (uL): 2.0

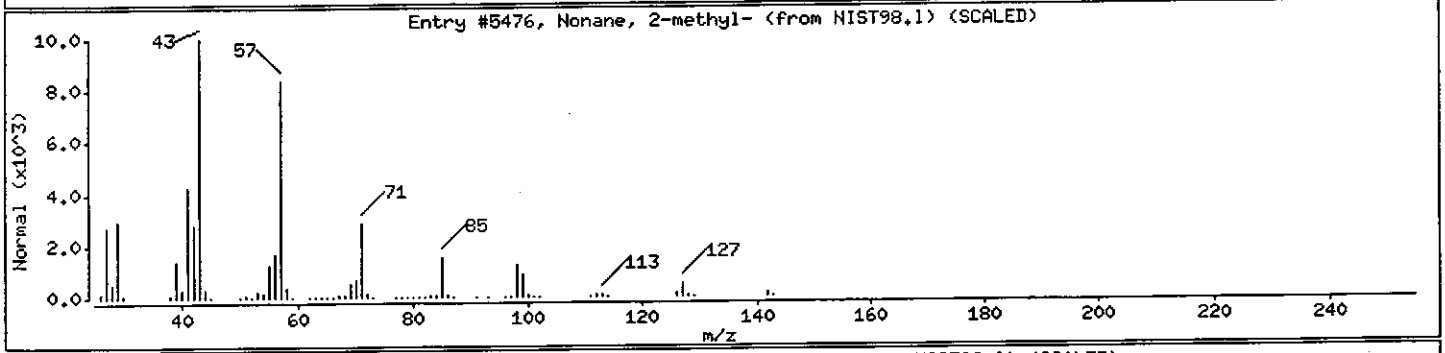
Operator: lmh00956

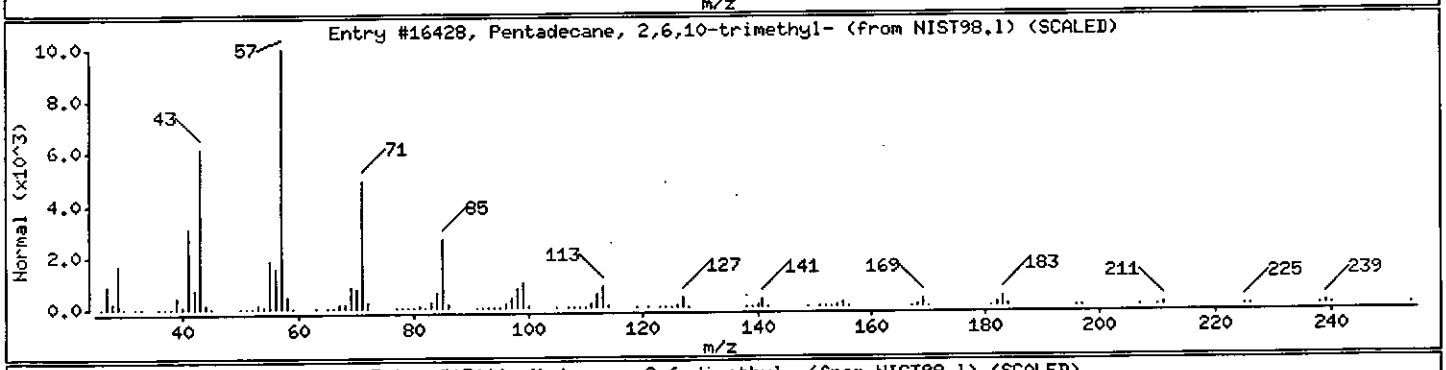
Column phase: J&W DB-5.625

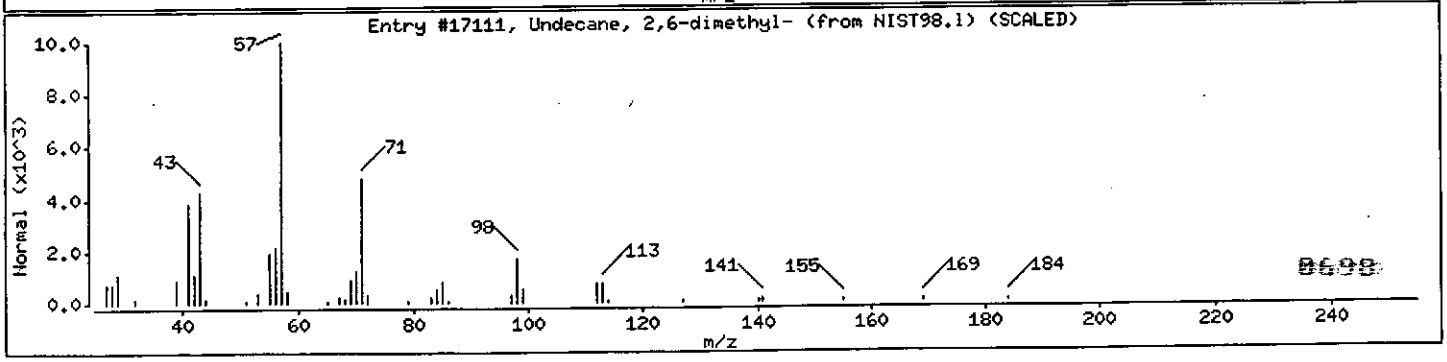
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 2-methyl-	871-83-0	NIST98.1	5476	89	C10H22	142
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST98.1	16428	86	C18H38	254
Undecane, 2,6-dimethyl-	17301-23-4	NIST98.1	17111	76	C13H28	184









B698

Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

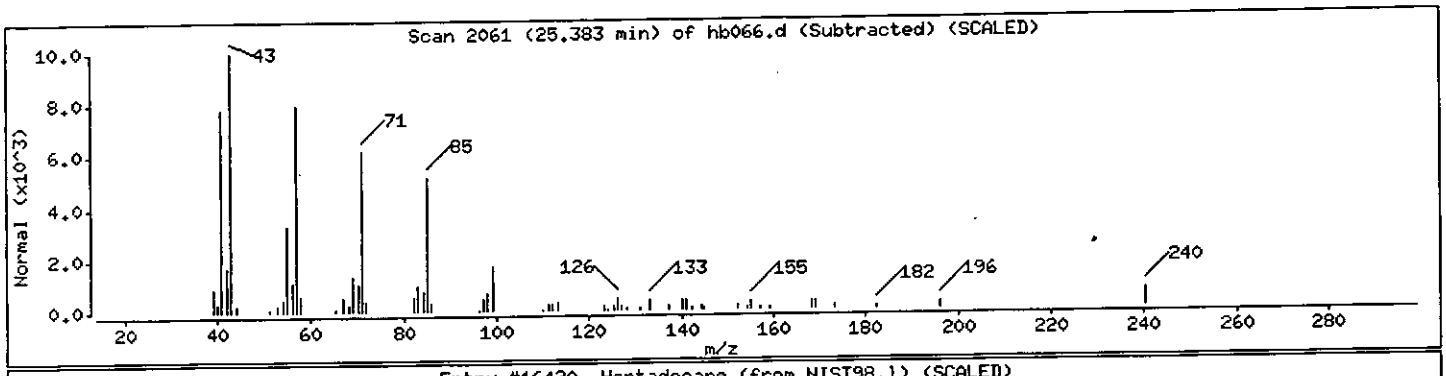
Volume Injected (uL): 2.0

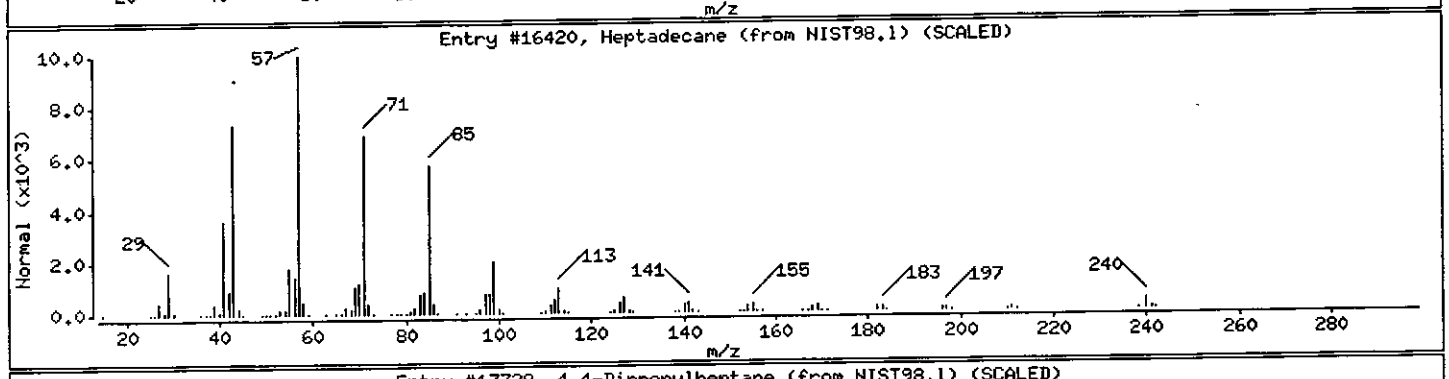
Operator: lmh00956

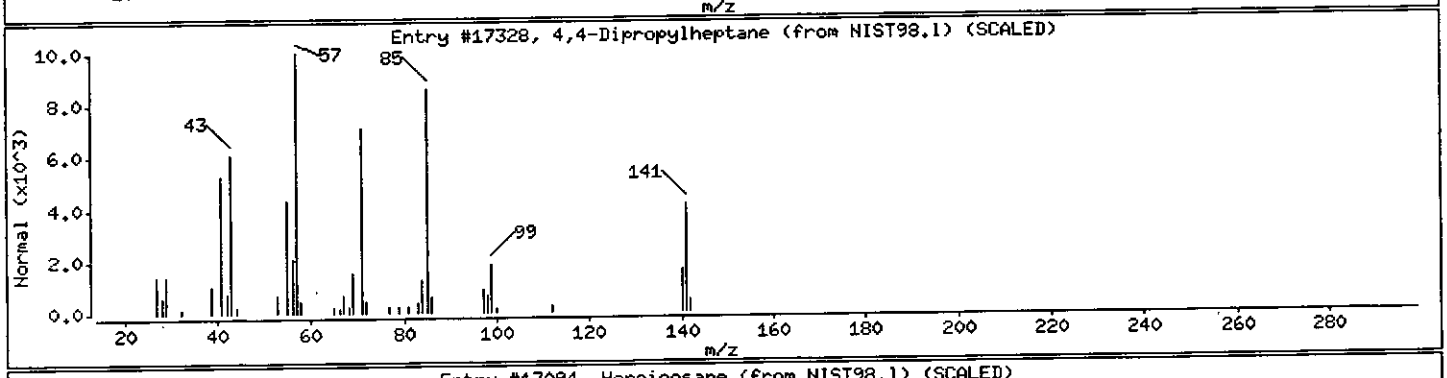
Column phase: J&W DB-5.625

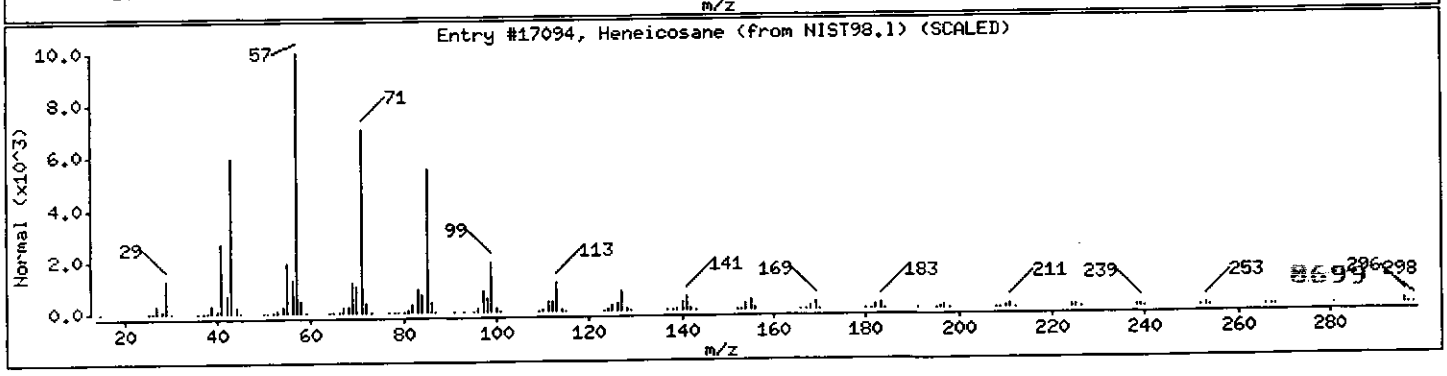
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240
4,4-Dipropylheptane	17312-72-0	NIST98.1	17328	72	C13H28	184
Heneicosane	629-94-7	NIST98.1	17094	64	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

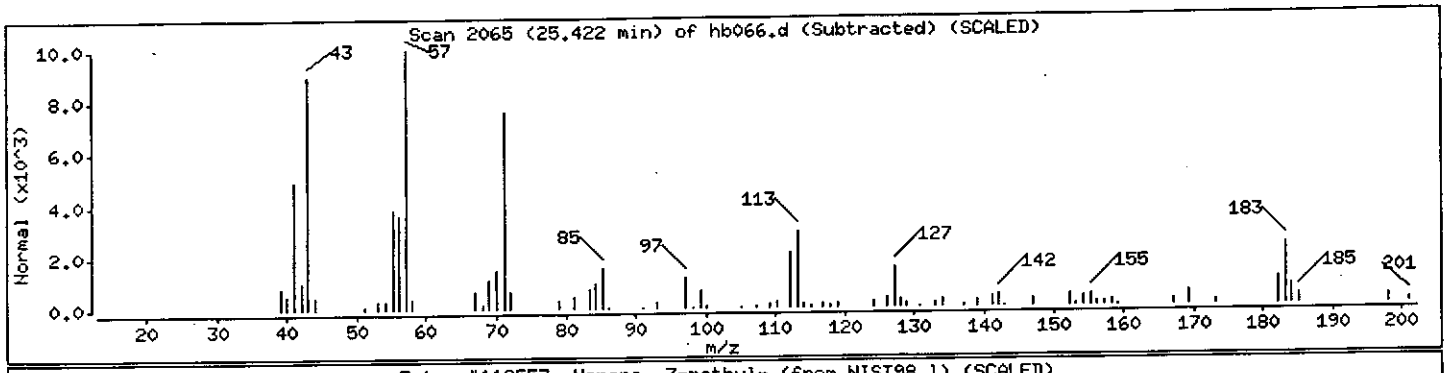
Volume Injected (uL): 2.0

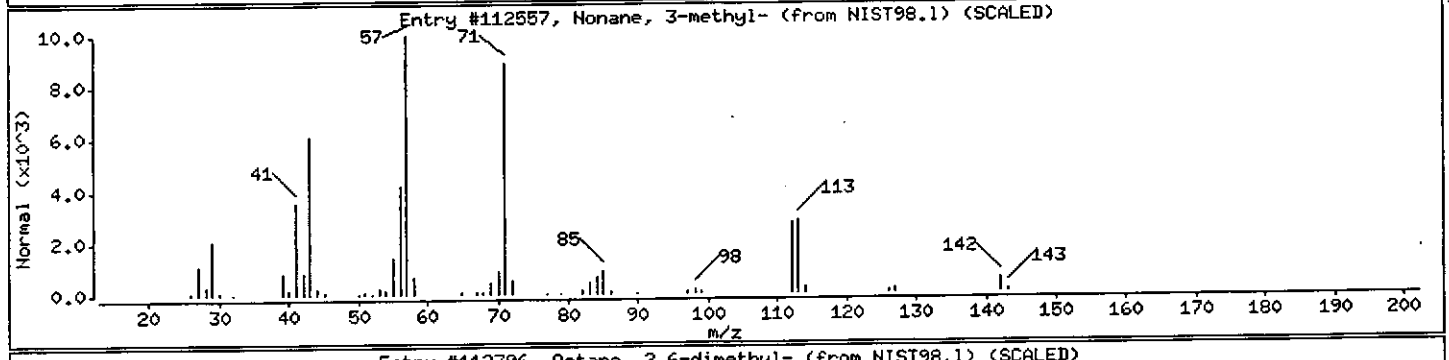
Operator: lmh00956

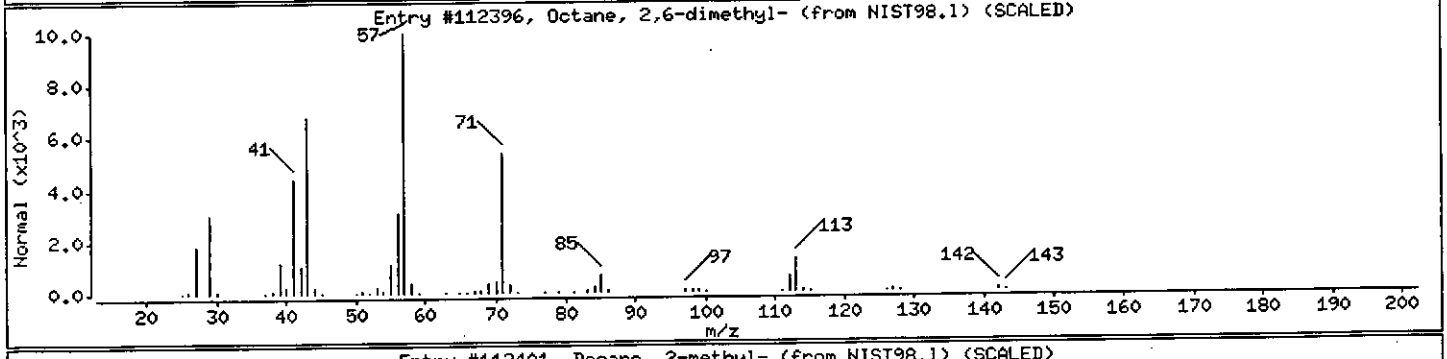
Column phase: J&W DB-5.625

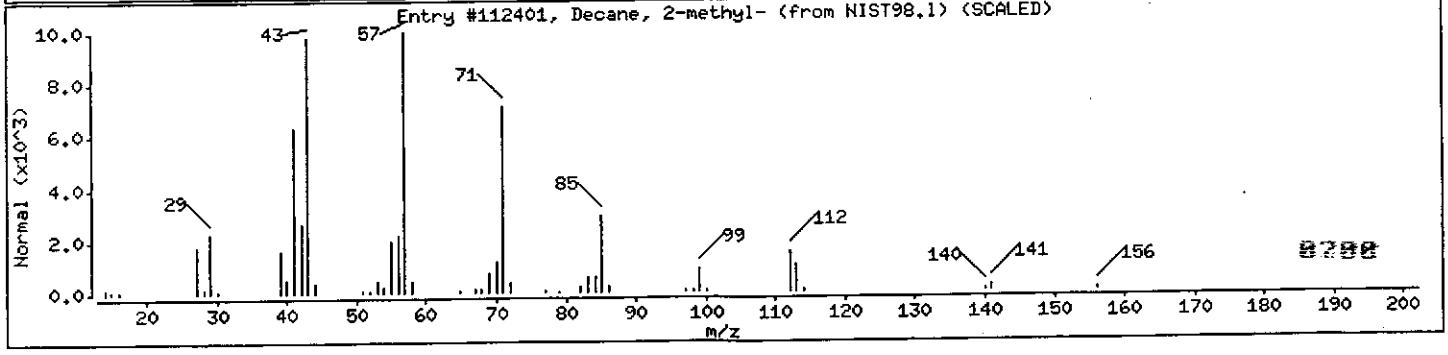
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 3-methyl-	5911-04-6	NIST98.1	112557	62	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NIST98.1	112396	62	C10H22	142
Decane, 2-methyl-	6975-98-0	NIST98.1	112401	53	C11H24	156









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

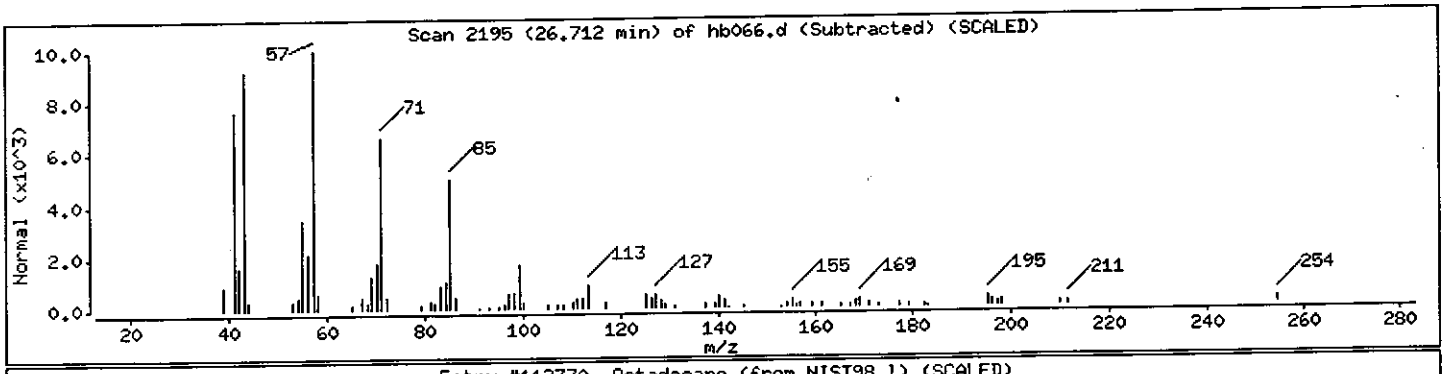
Volume Injected (uL): 2.0

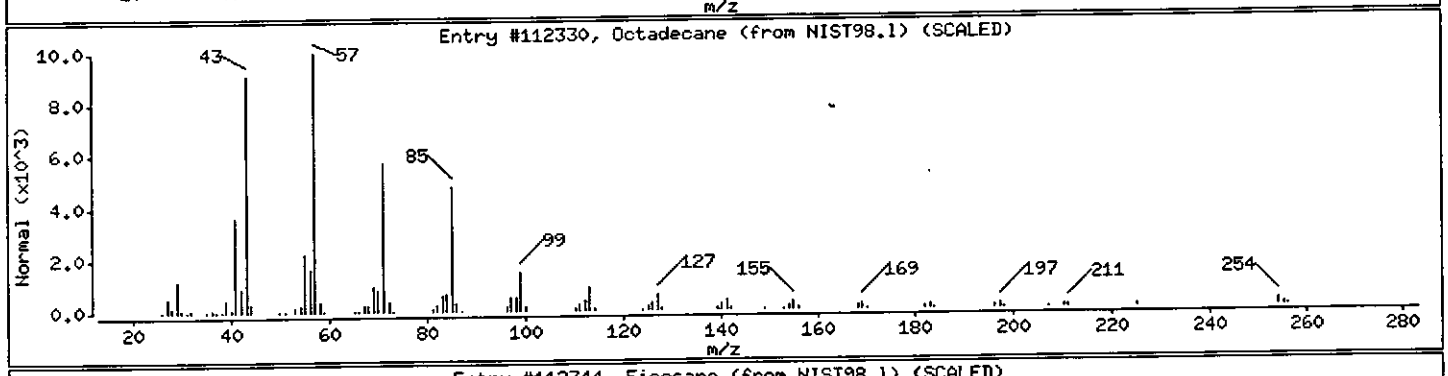
Operator: lmh00956

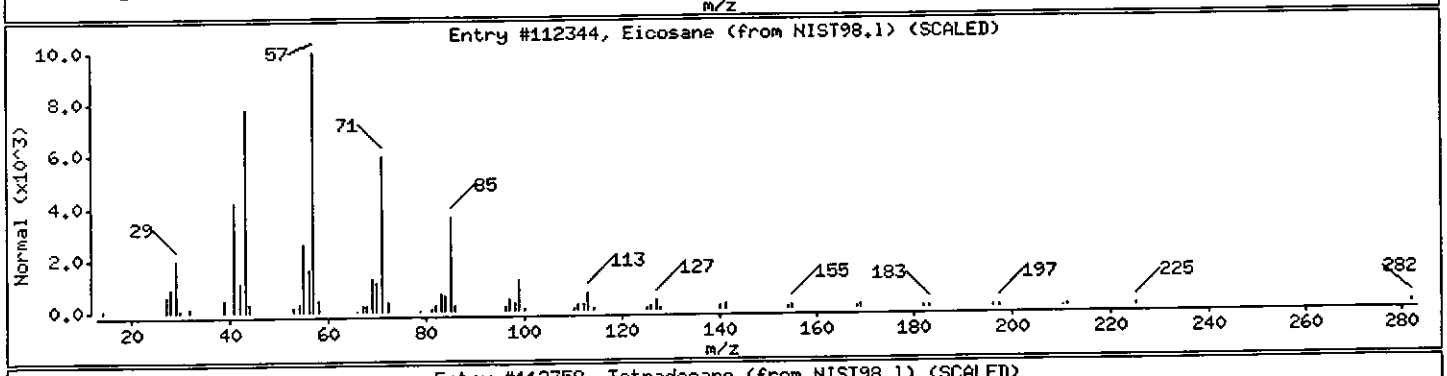
Column phase: J&W DB-5.625

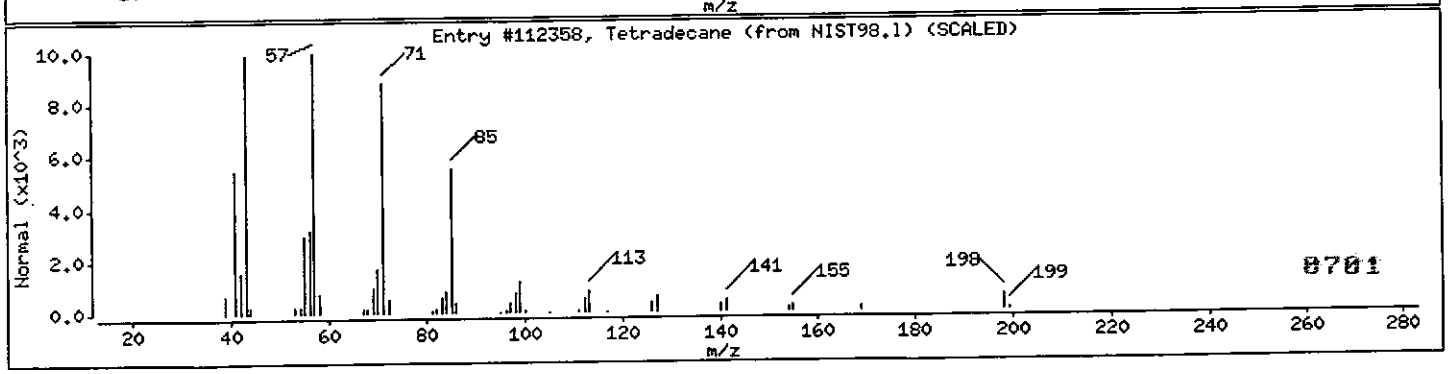
Column diameter: 0.25

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	112344	90	C20H42	282
Tetradecane	629-59-4	NIST98.1	112358	87	C14H30	198









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

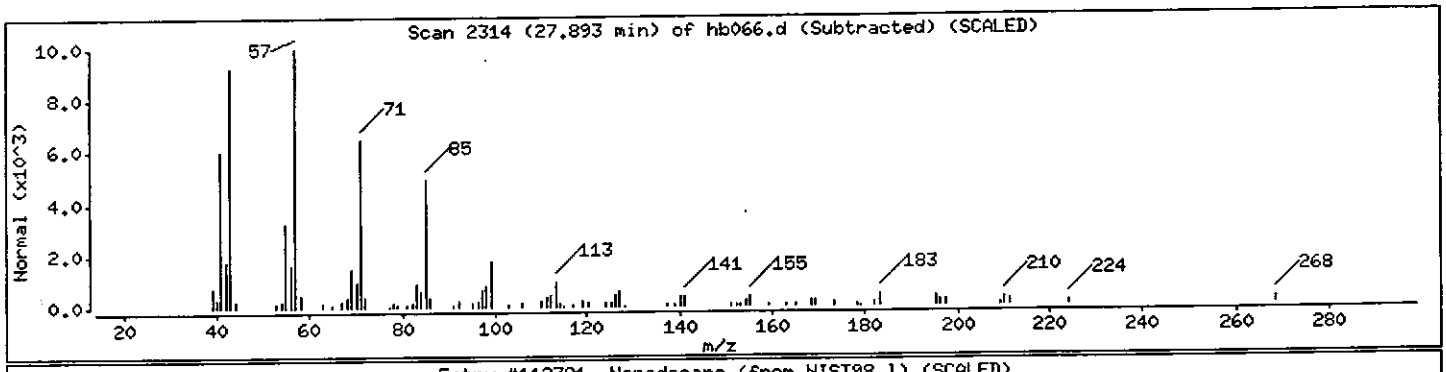
Volume Injected (uL): 2.0

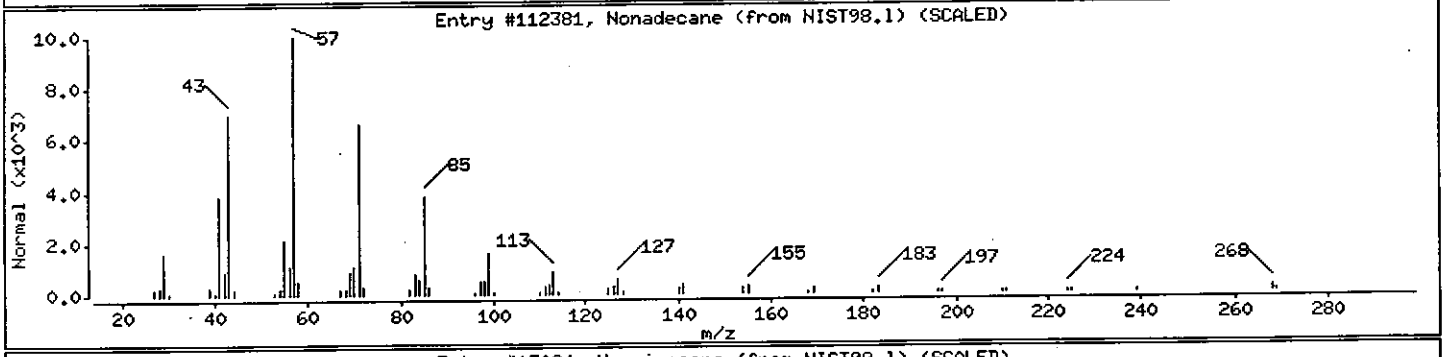
Operator: lmh00956

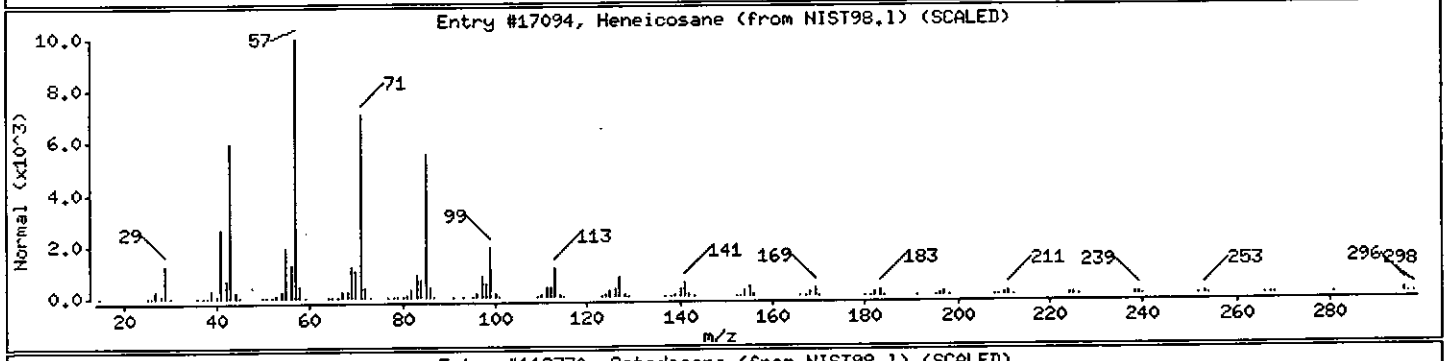
Column phase: J&W DB-5.625

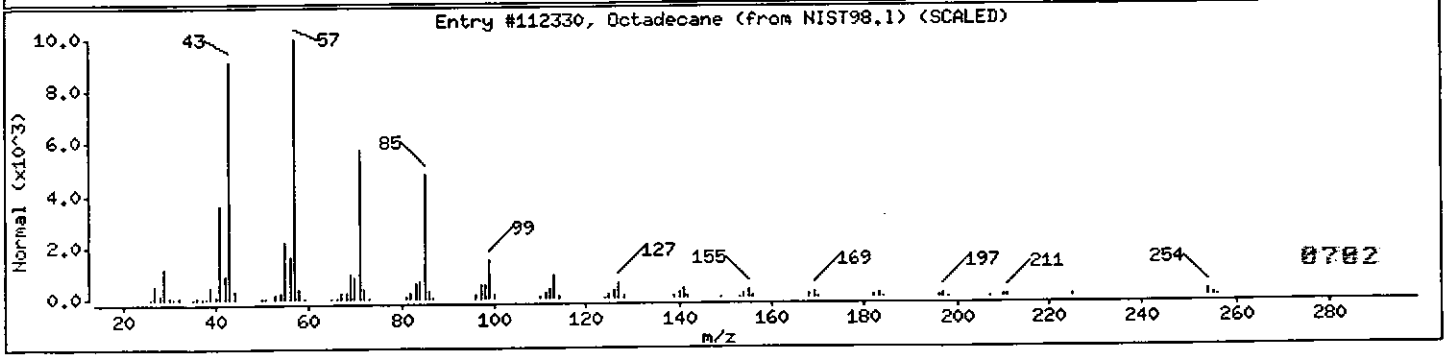
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	112381	98	C19H40	268
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296
Octadecane	593-45-3	NIST98.1	112330	87	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

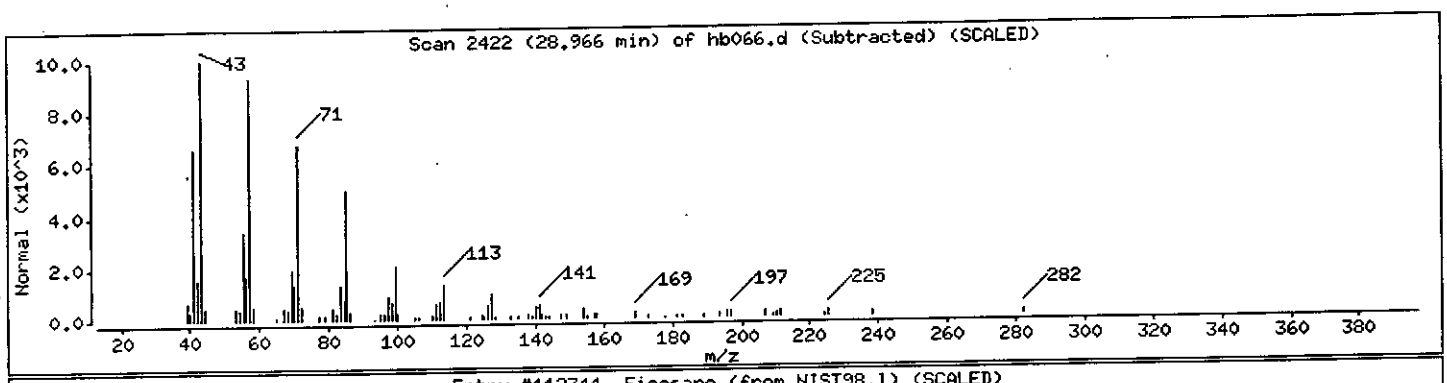
Volume Injected (uL): 2.0

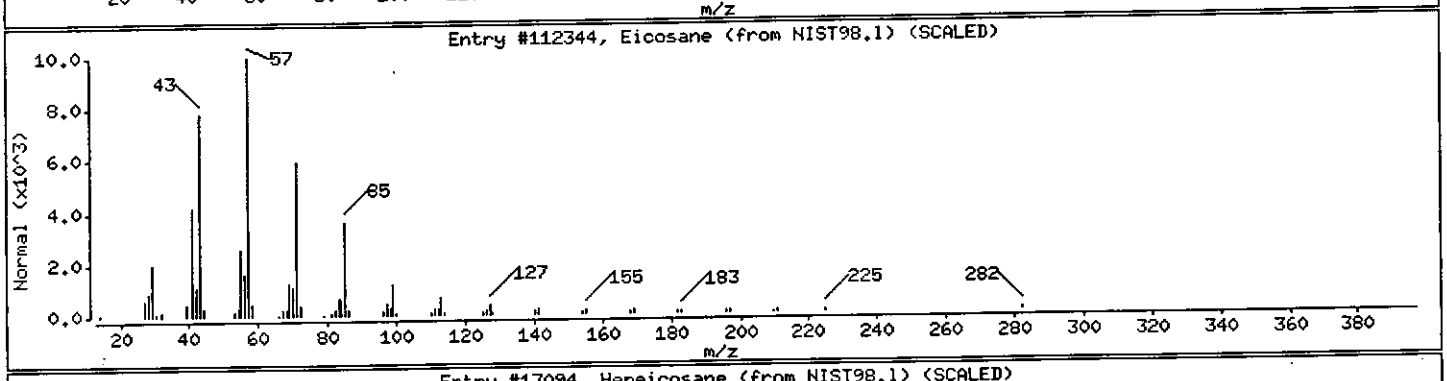
Operator: lmh00956

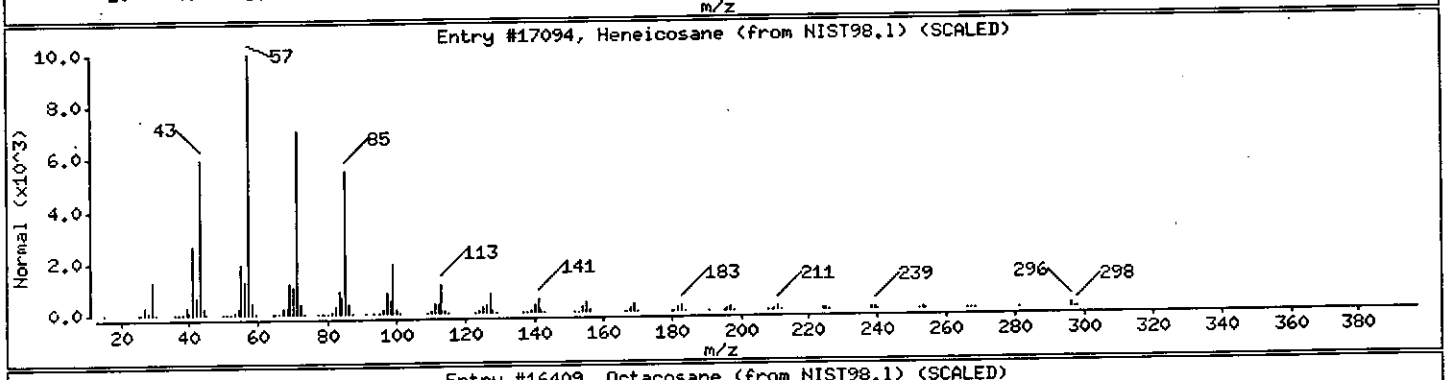
Column phase: J&W DB-5.625

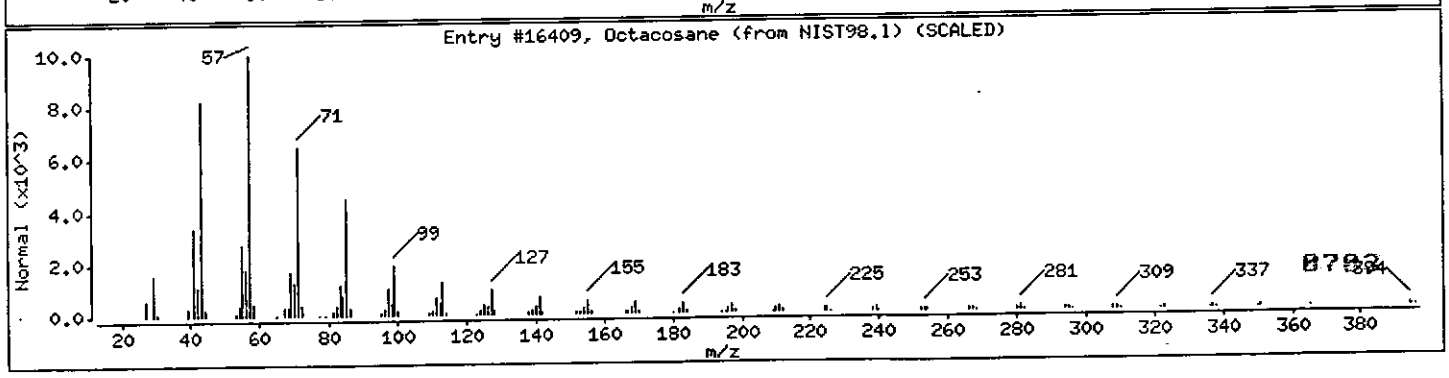
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	112344	94	C20H42	282
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Octacosane	630-02-4	NIST98.1	16409	91	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

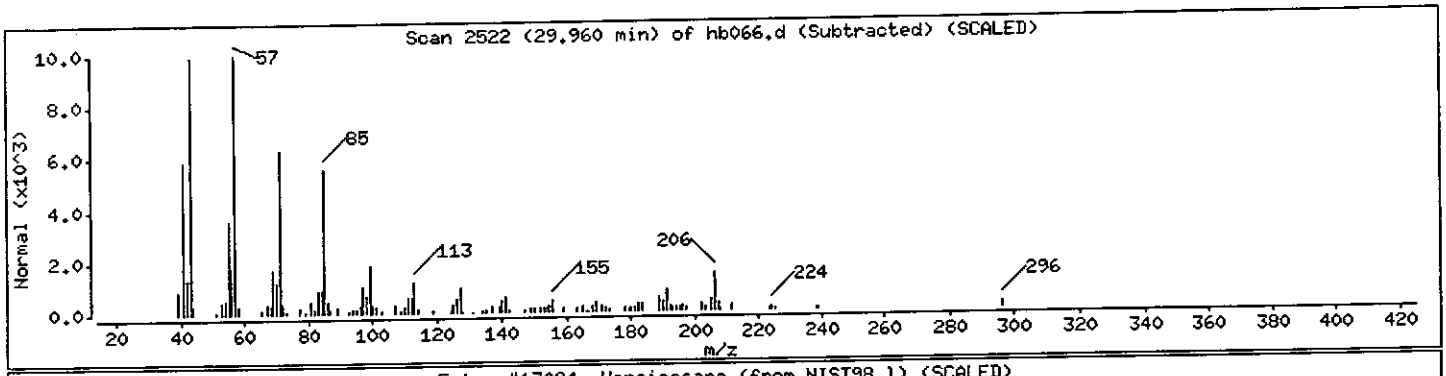
Volume Injected (uL): 2.0

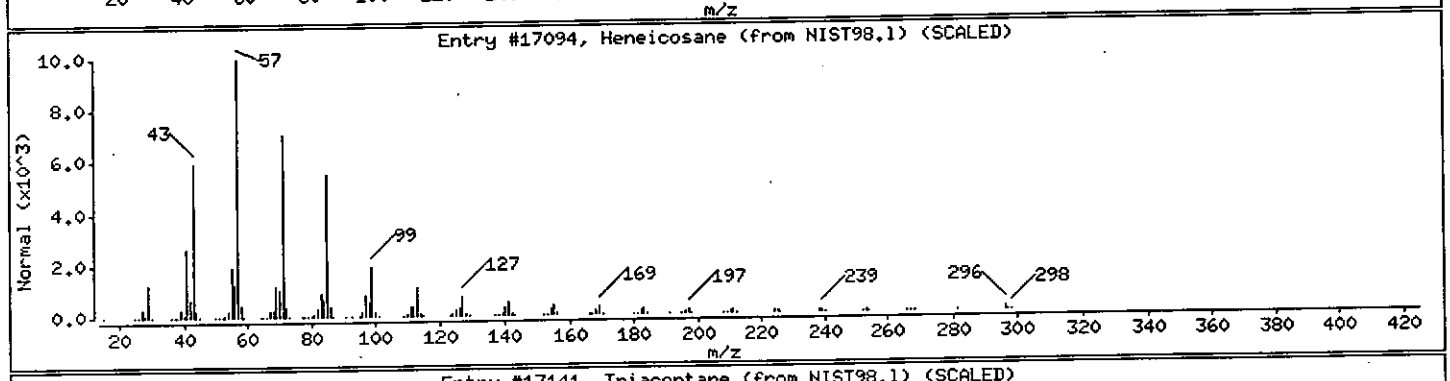
Operator: lmh00956

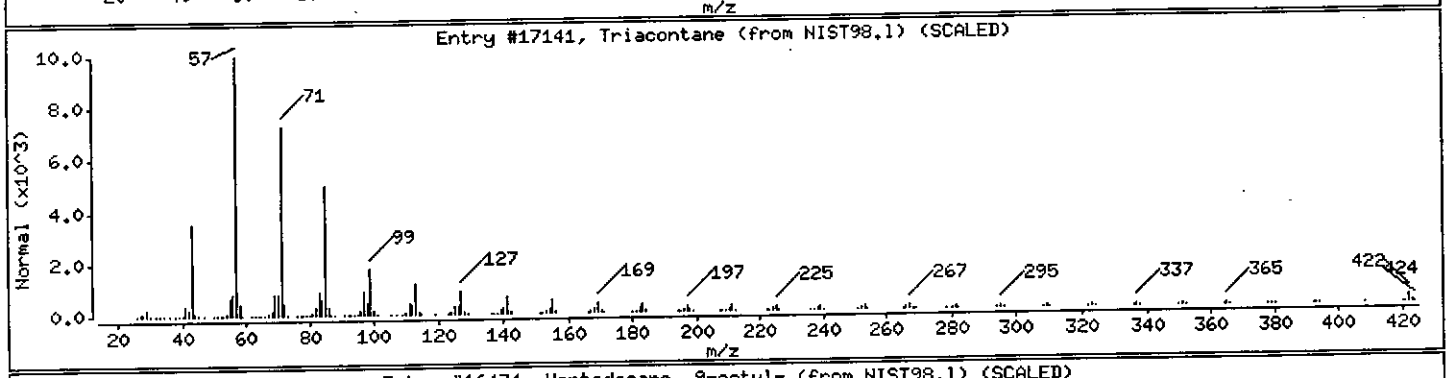
Column phase: J&W DB-5.625

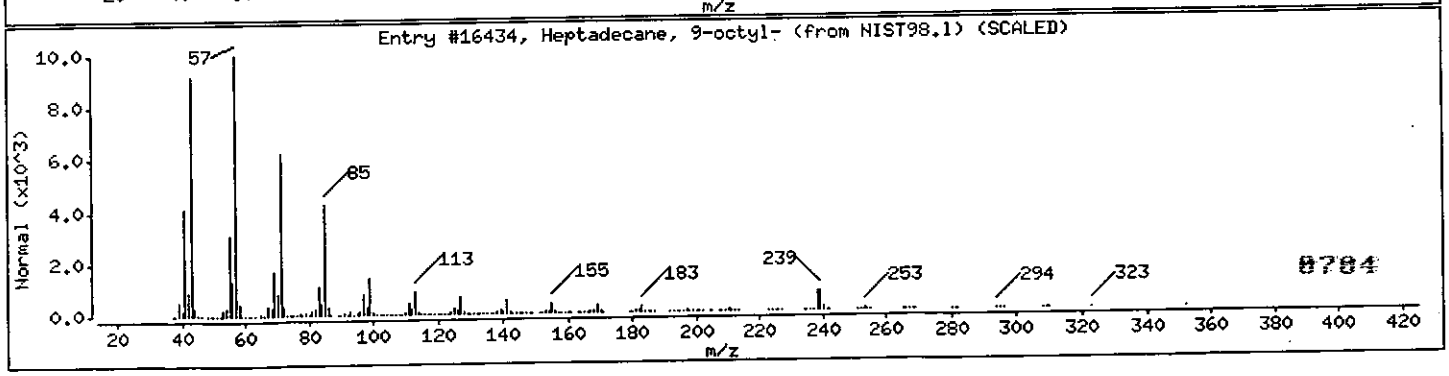
Column diameter: 0.25

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	98	C21H44	296
Triacontane	638-68-6	NIST98.1	17141	90	C30H62	422
Heptadecane, 9-octyl-	7225-64-1	NIST98.1	16434	90	C25H52	352









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

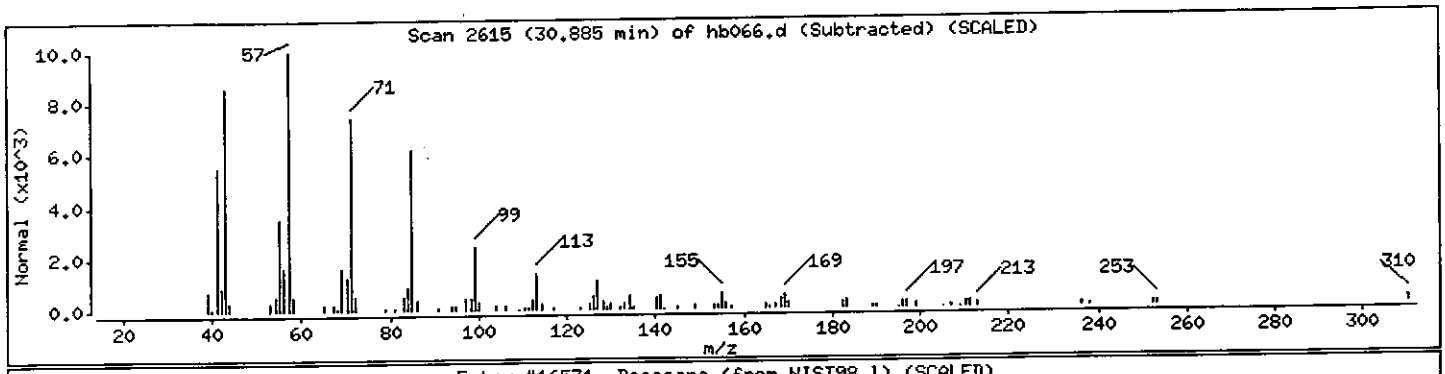
Volume Injected (uL): 2.0

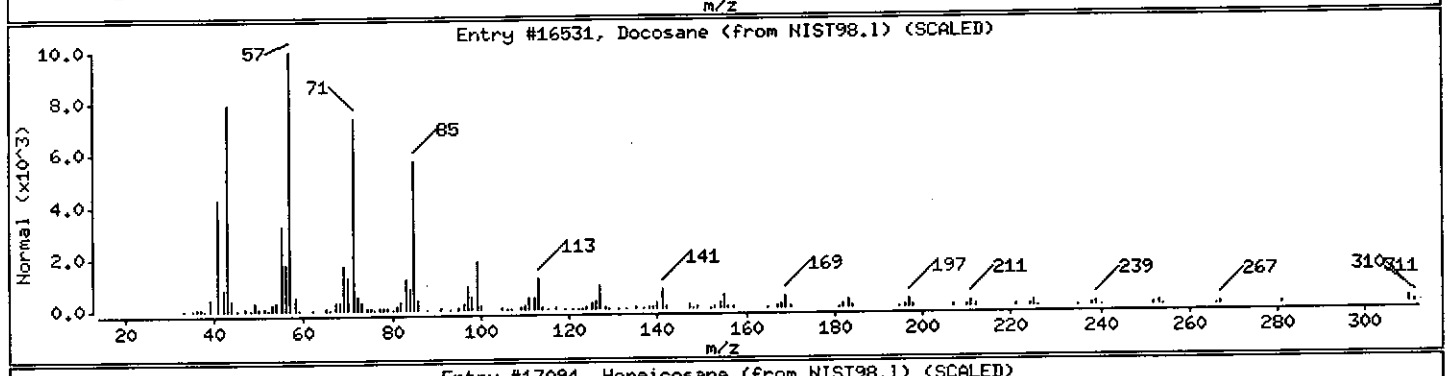
Operator: lmh00956

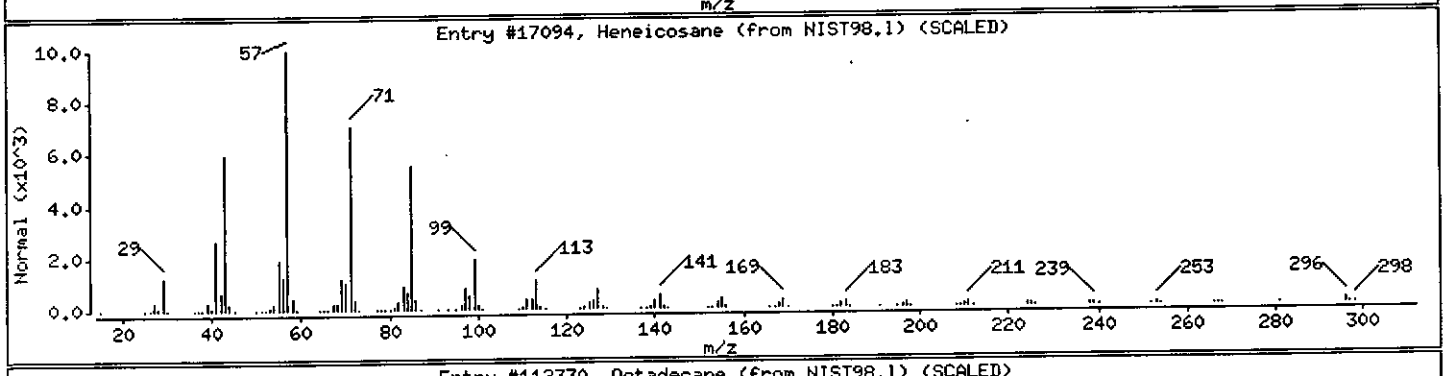
Column phase: J&W DB-5.625

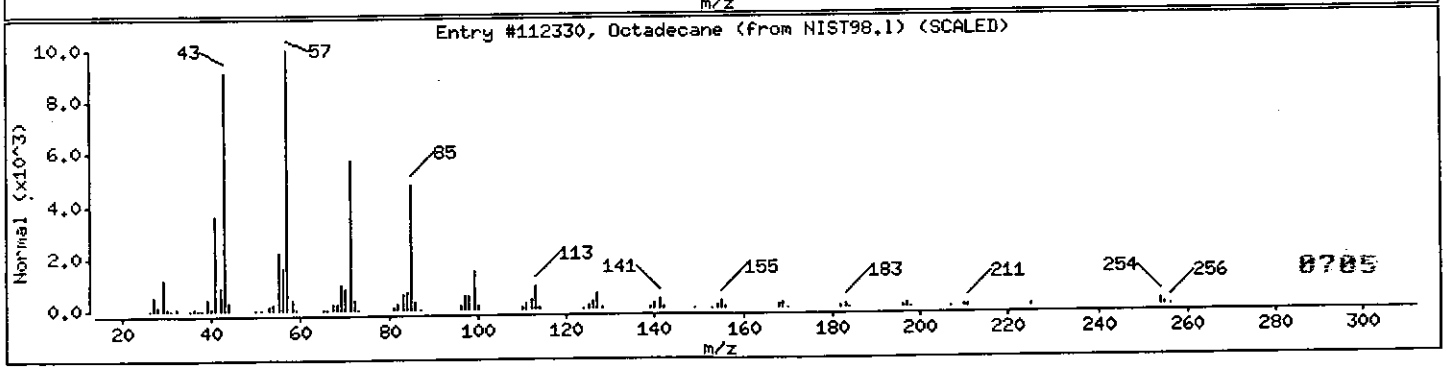
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	16531	95	C22H46	310
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Octadecane	593-45-3	NIST98.1	112330	87	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

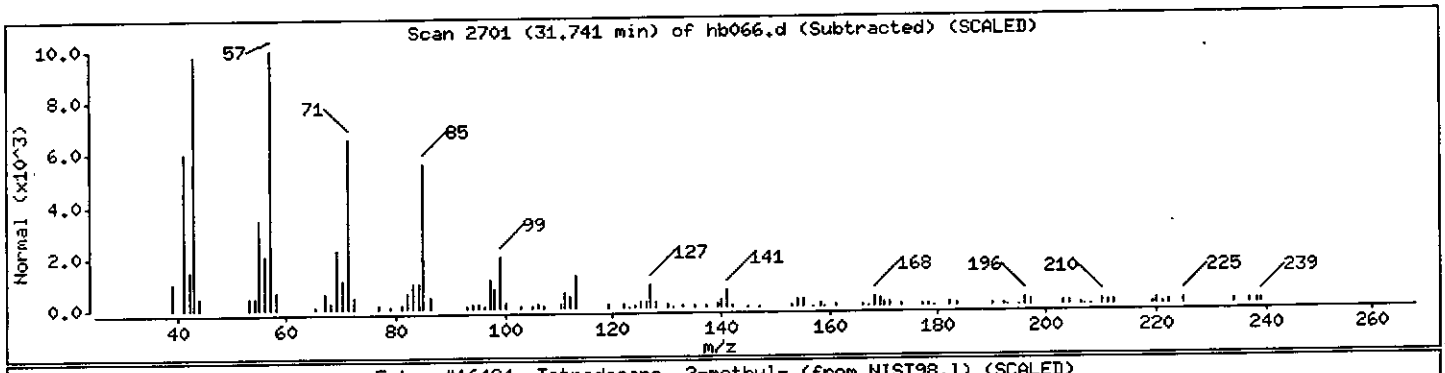
Volume Injected (uL): 2.0

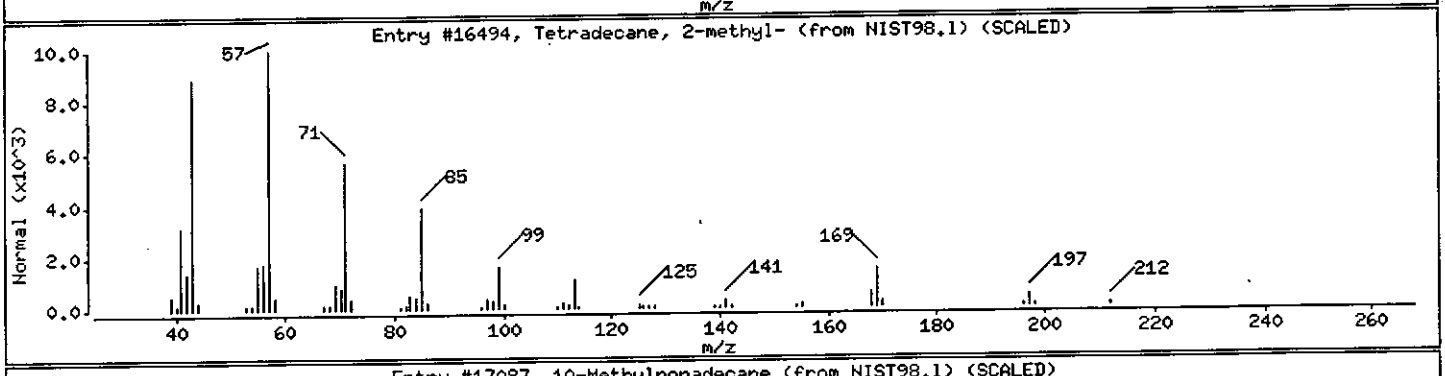
Operator: lmh00956

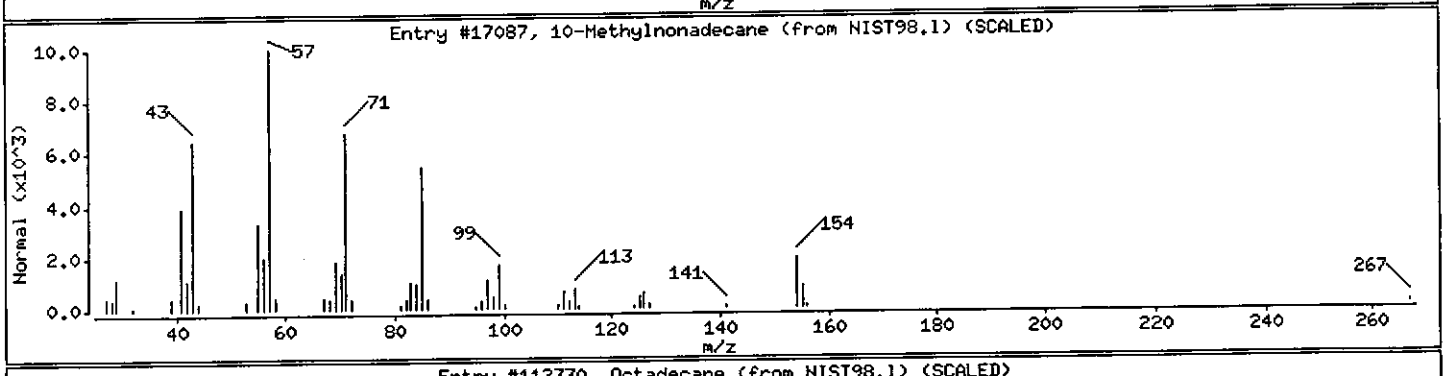
Column phase: J&W DB-5.625

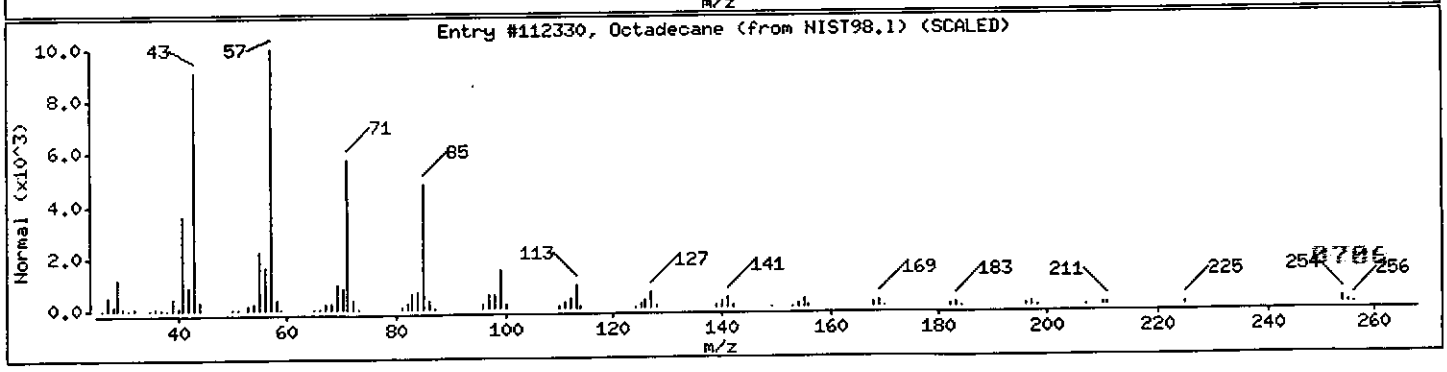
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane, 2-methyl-	1560-95-8	NIST98.1	16494	93	C15H32	212
10-Methylnonadecane	56862-62-5	NIST98.1	17087	91	C20H42	282
Octadecane	593-45-3	NIST98.1	112330	91	C18H38	254









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

Volume Injected (uL): 2.0

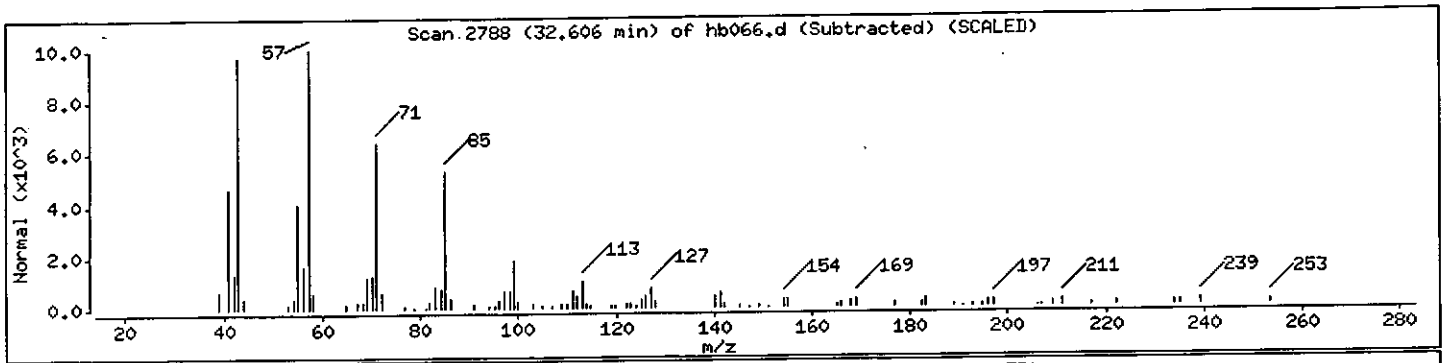
Operator: lmh00956

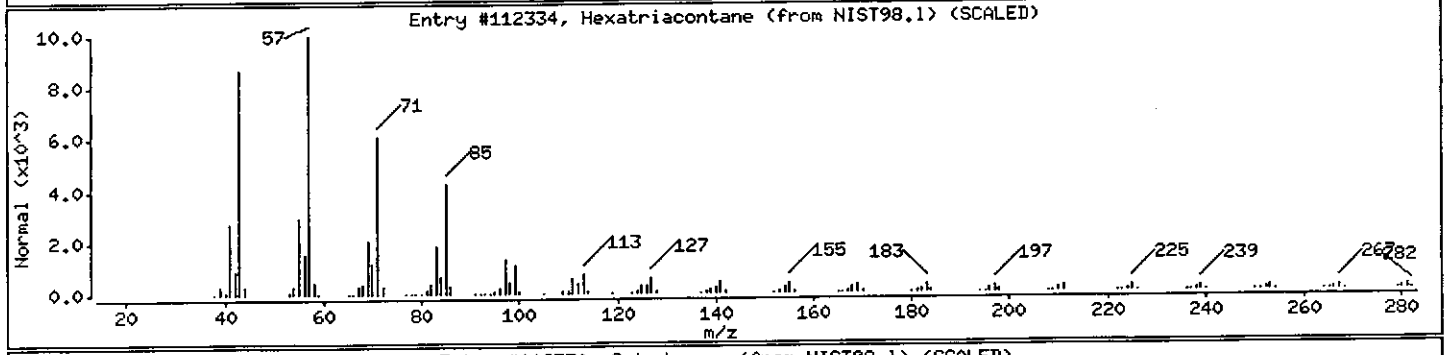
Column phase: J&W DB-5.625

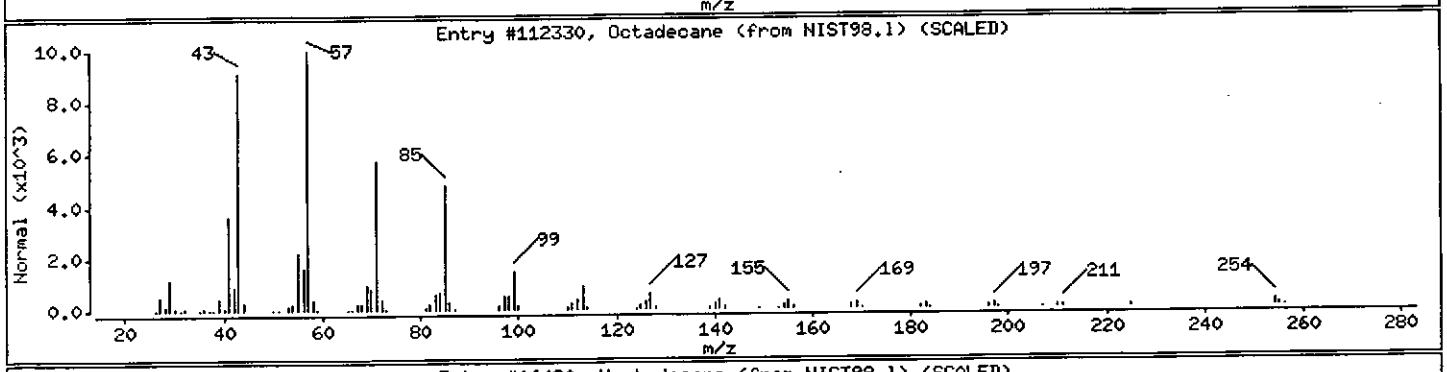
Column diameter: 0.25

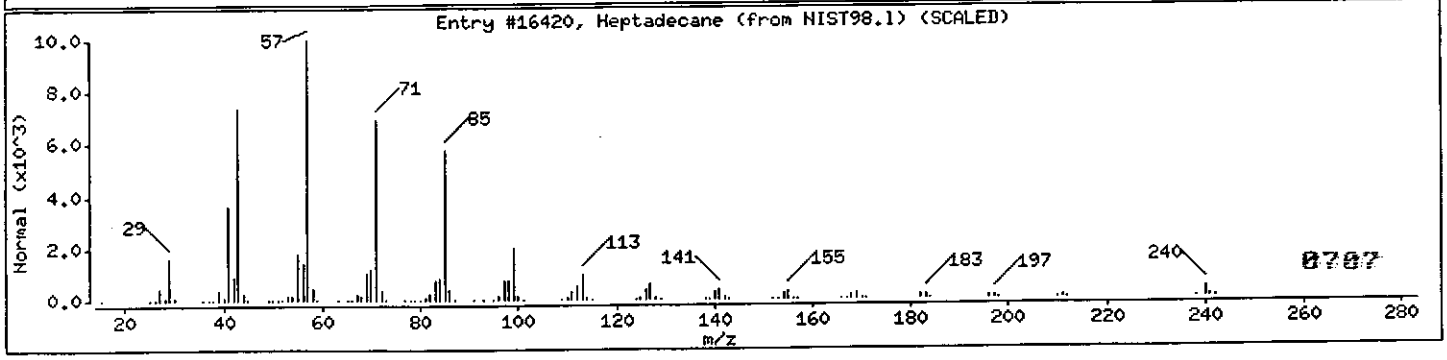
(B) LMM 198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	NIST98.1	112334	91	C36H74	507
Octadecane	593-45-3	NIST98.1	112330	90	C18H38	254
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

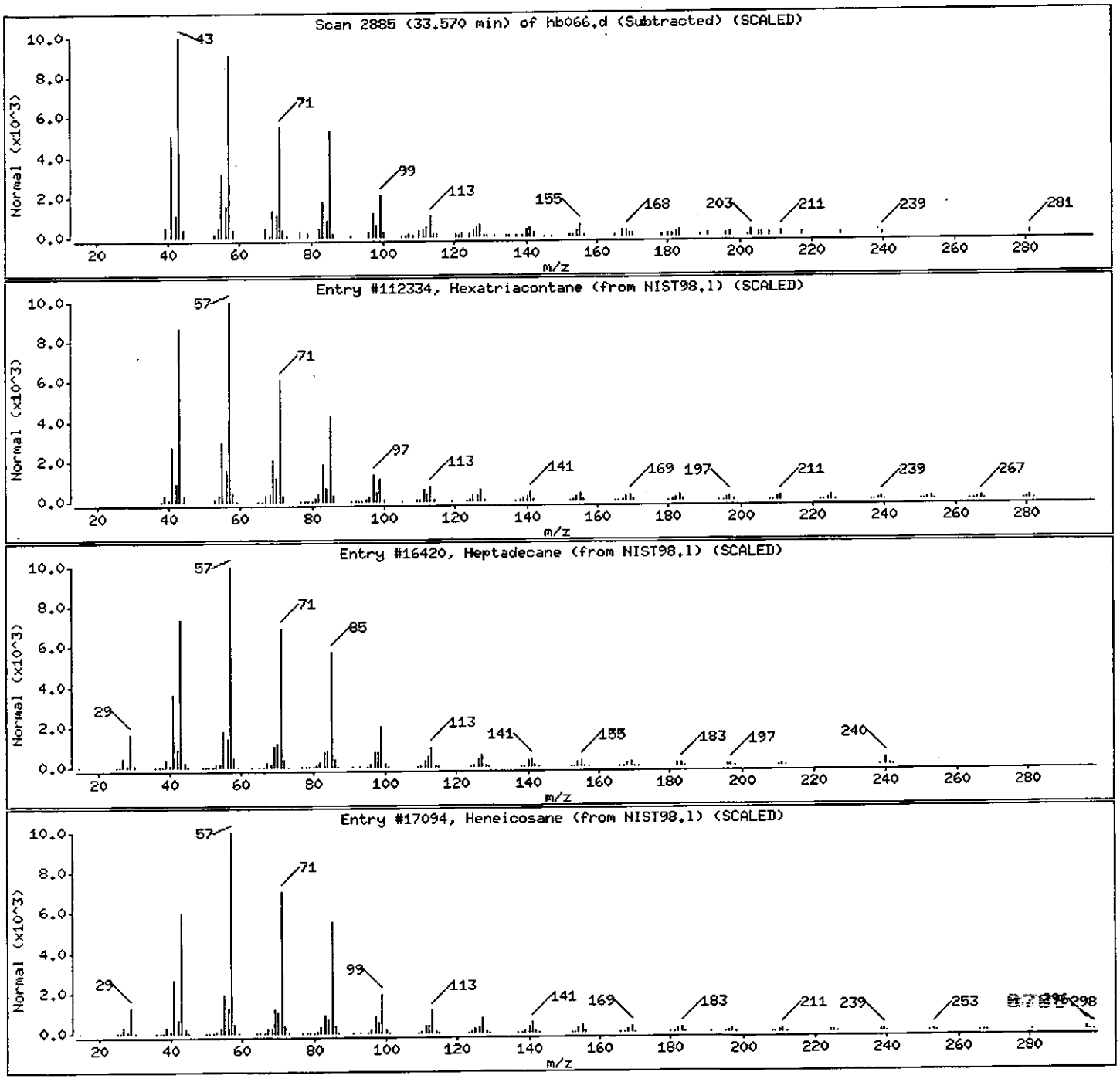
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	NIST98.1	112334	90	C36H74	507
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296



Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

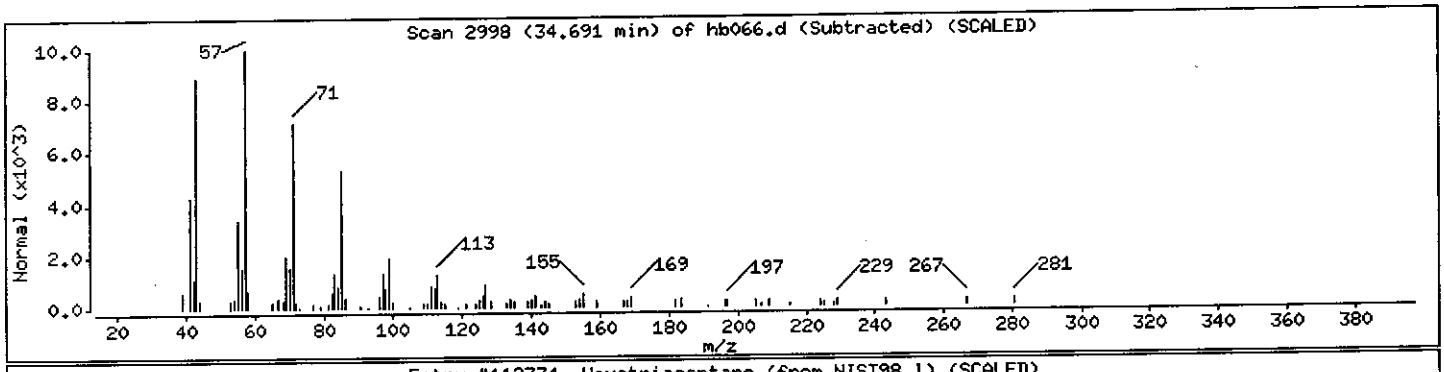
Volume Injected (uL): 2.0

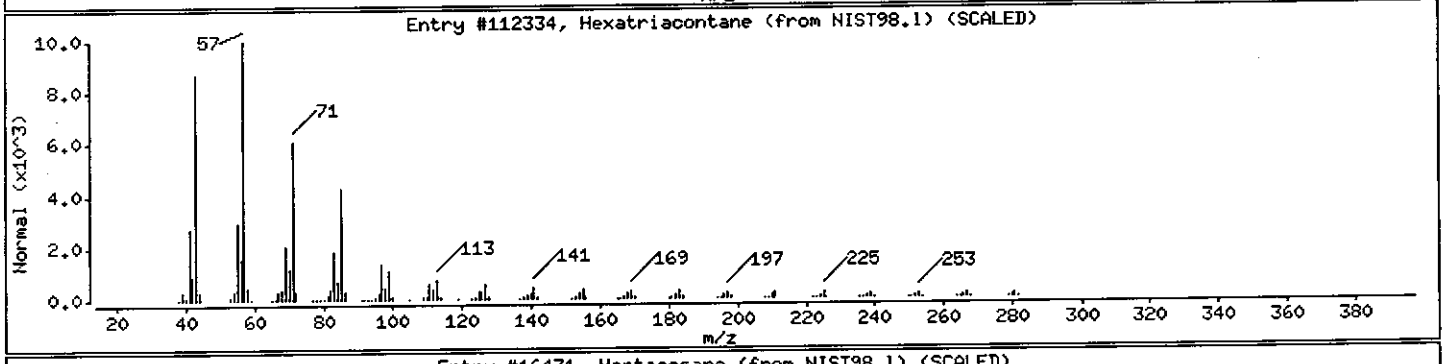
Operator: lmh00956

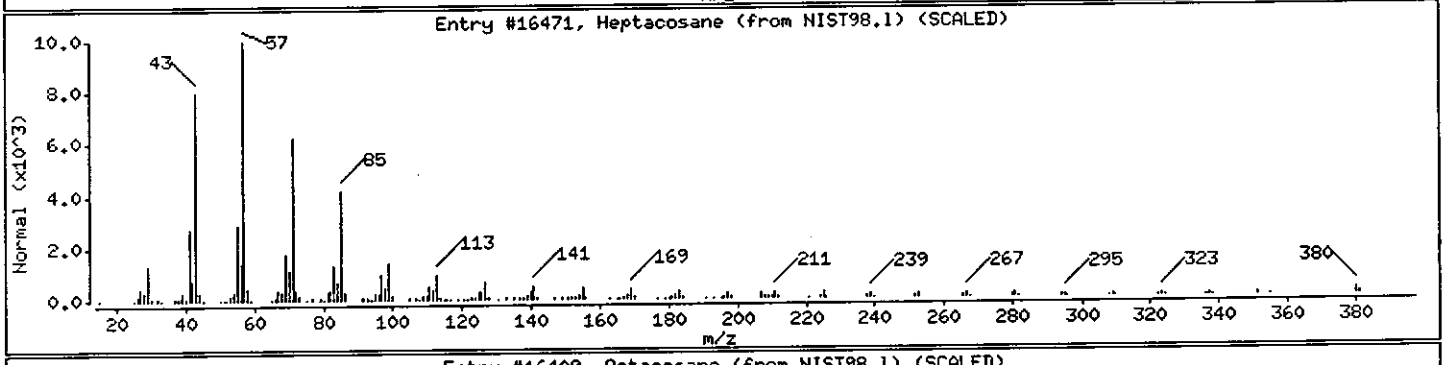
Column phase: J&W DB-5.625

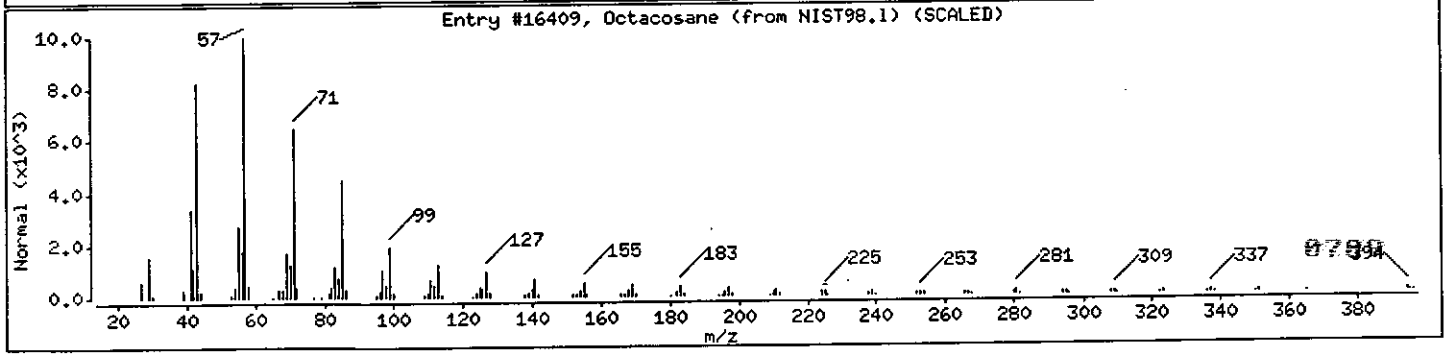
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	NIST98.1	112334	91	C36H74	507
Heptacosane	593-49-7	NIST98.1	16471	91	C27H56	380
Octacosane	630-02-4	NIST98.1	16409	91	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

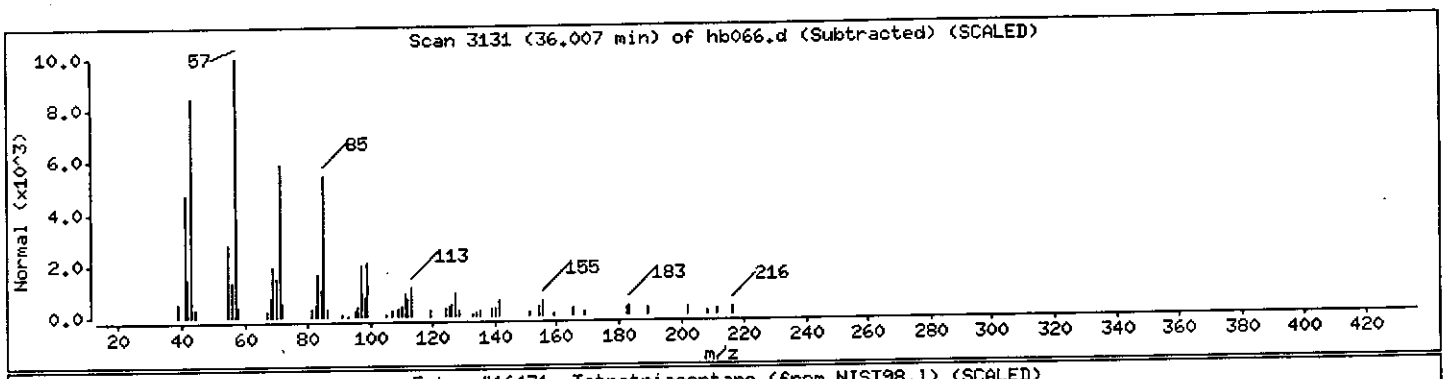
Volume Injected (uL): 2.0

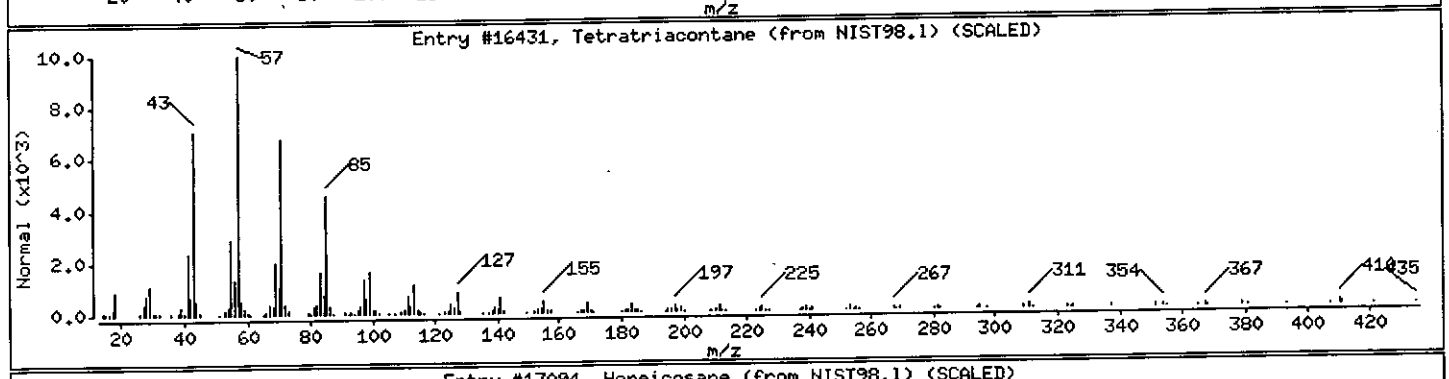
Operator: lmh00956

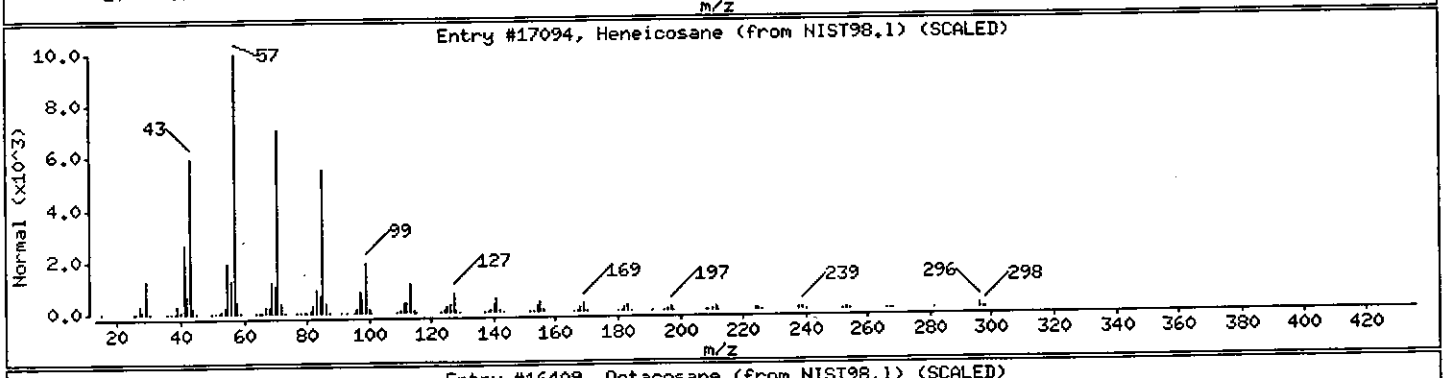
Column phase: J&W DB-5.625

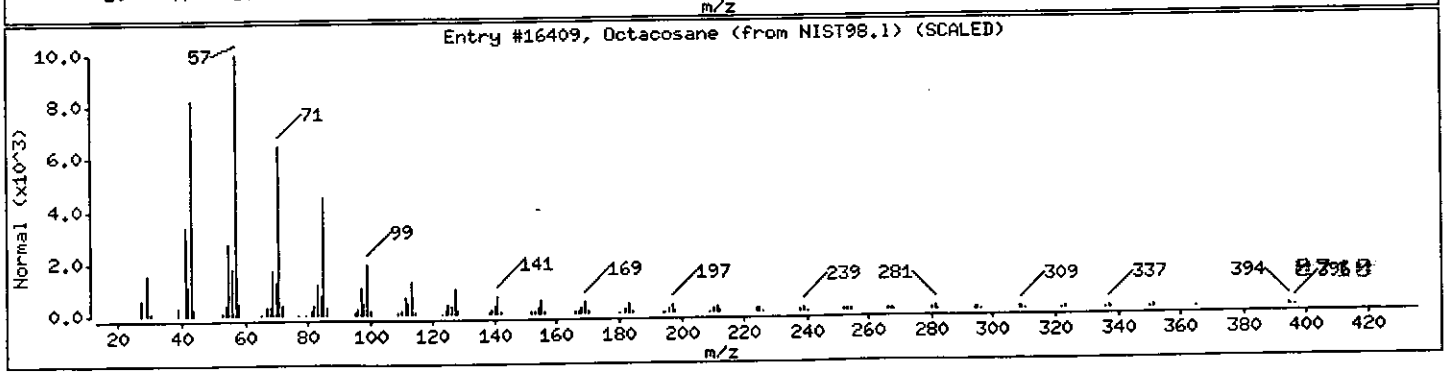
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratriacontane	14167-59-0	NIST98.1	16431	87	C34H70	479
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296
Octacosane	630-02-4	NIST98.1	16409	86	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

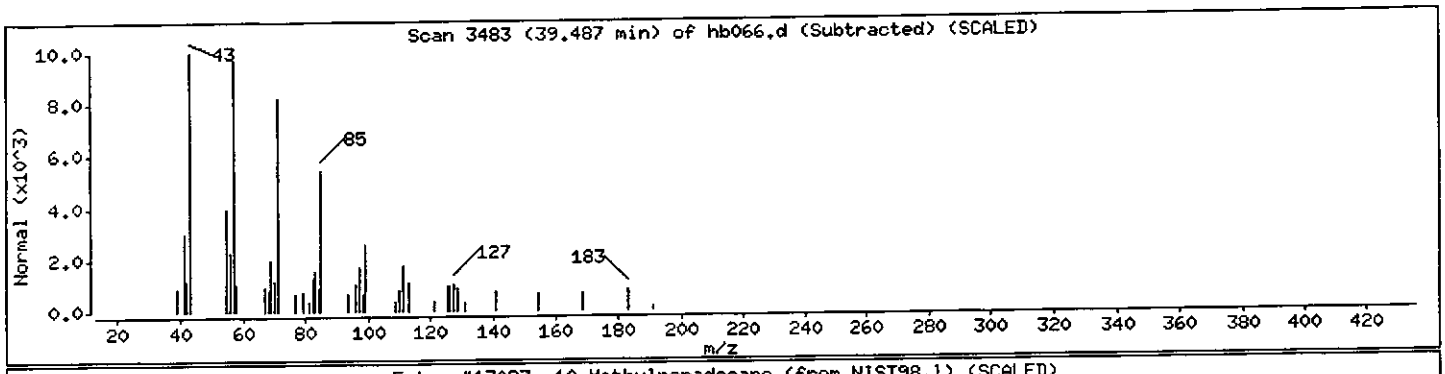
Volume Injected (uL): 2.0

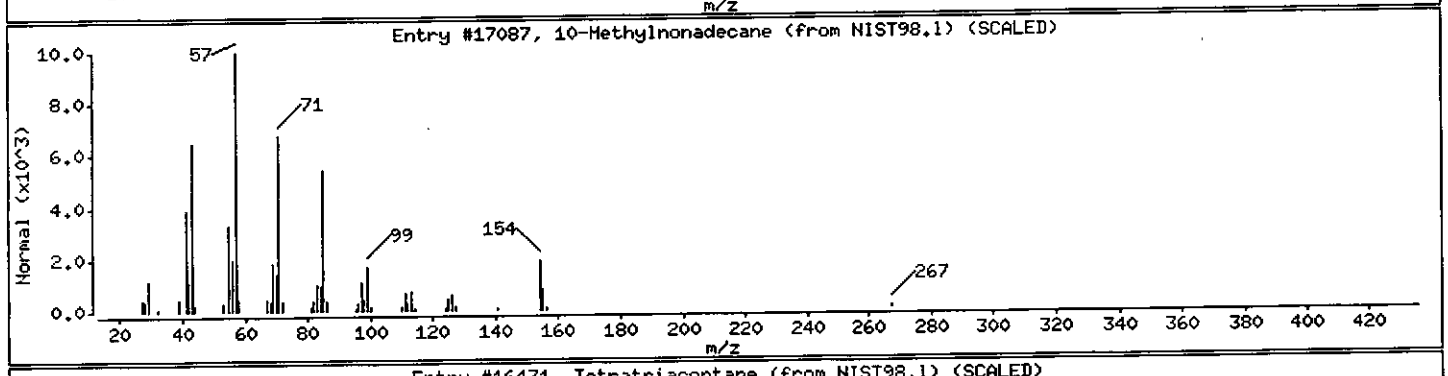
Operator: lmh00956

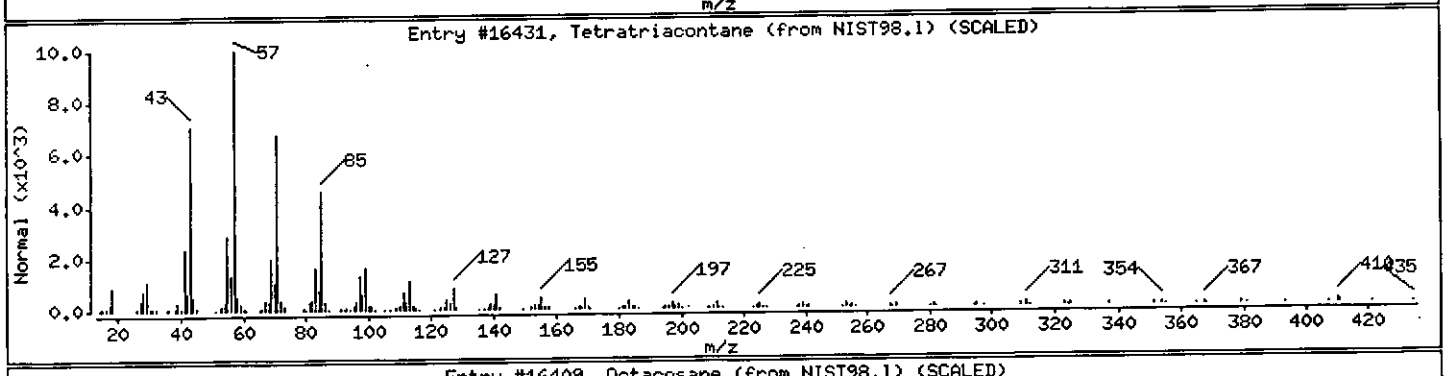
Column phase: J&W DB-5.625

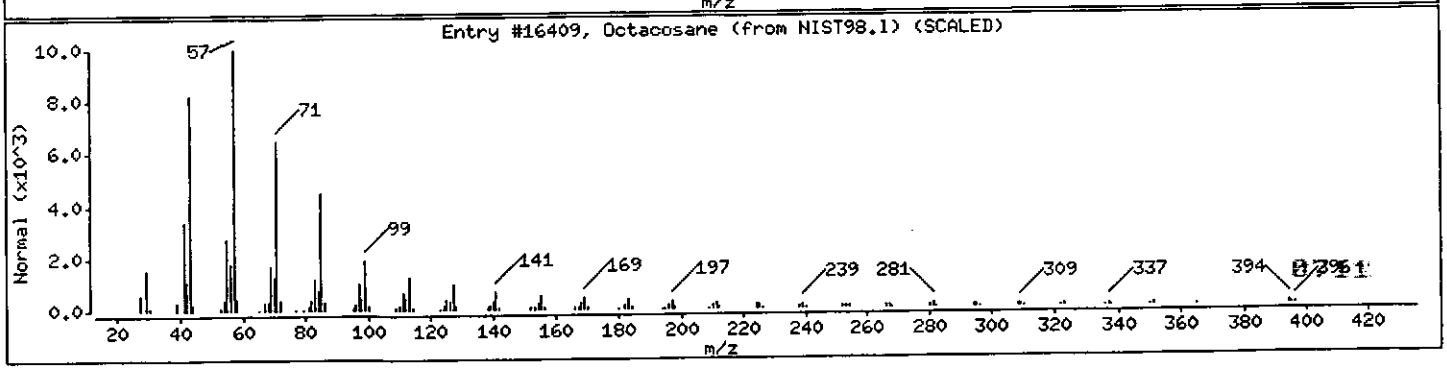
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
10-Methylnonadecane	56862-62-5	NIST98.1	17087	72	C20H42	282
Tetratriacontane	14167-59-0	NIST98.1	16431	72	C34H70	479
Octacosane	630-02-4	NIST98.1	16409	72	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb066.d

Date : 07-FEB-2006 03:11

Client ID: 6024-

Instrument: HP04629.i

Sample Info: 6024-;4692569;

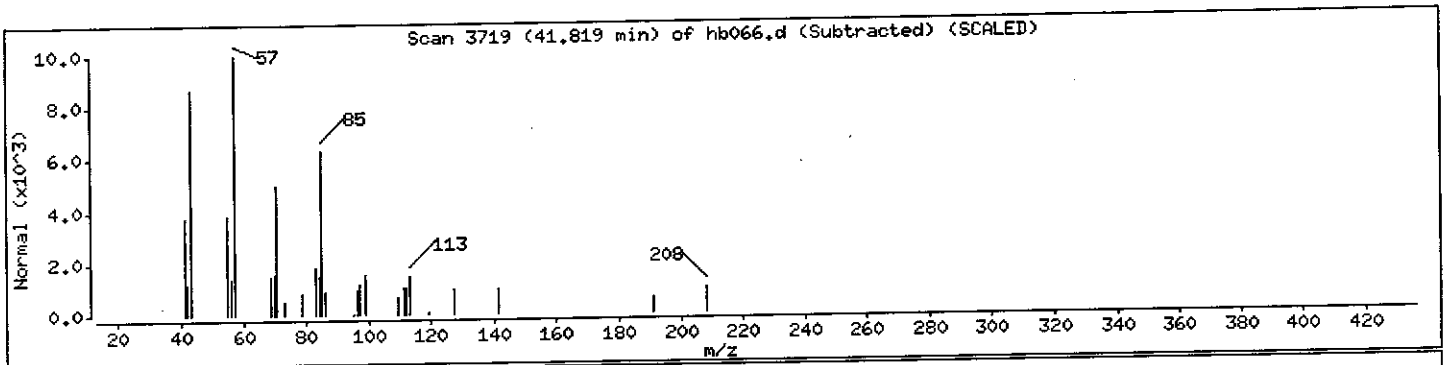
Volume Injected (uL): 2.0

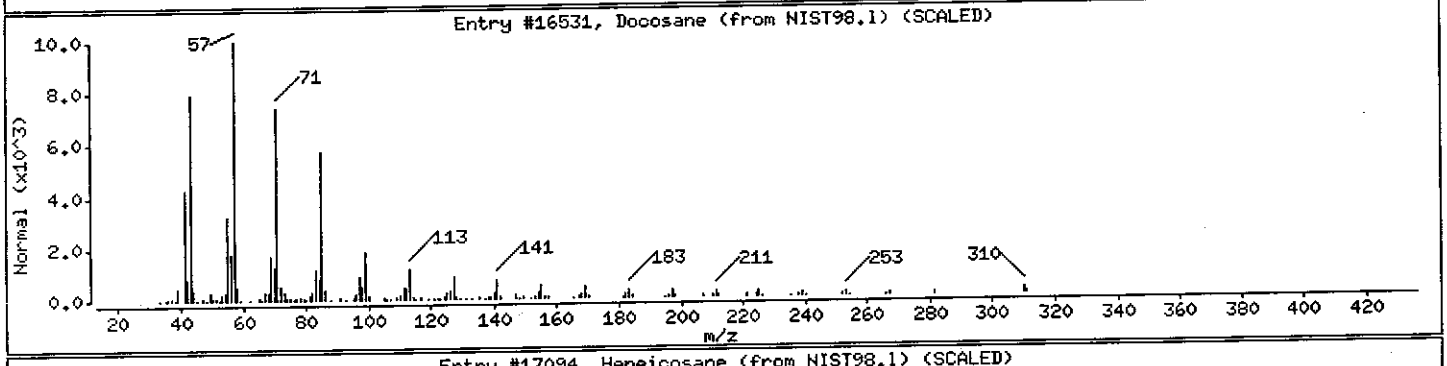
Operator: lmh00956

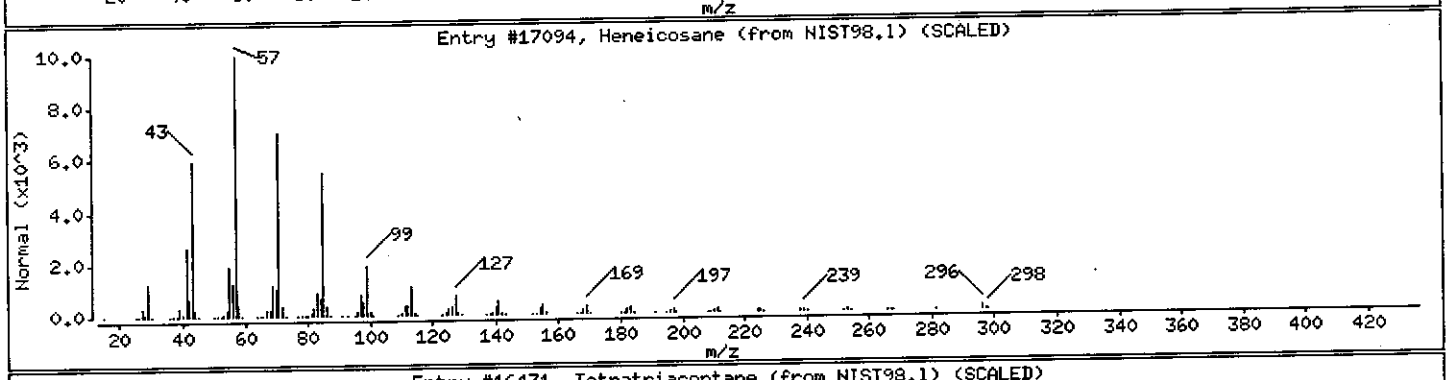
Column phase: J&W DB-5.625

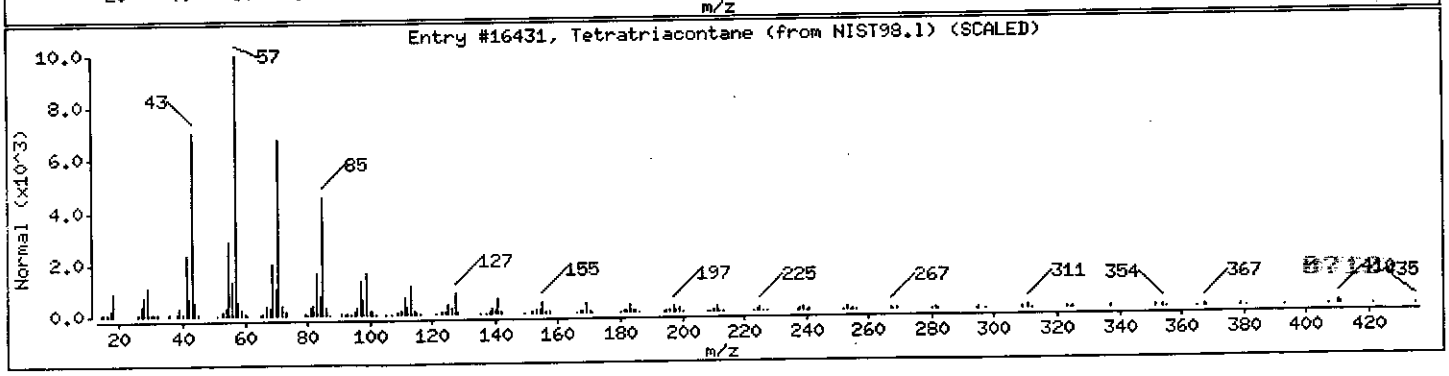
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	16531	72	C22H46	310
Heneicosane	629-94-7	NIST98.1	17094	64	C21H44	296
Tetratriacontane	14167-59-0	NIST98.1	16431	59	C34H70	479









1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 30 (g/mL) G Lab File ID: hb067.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

8213

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 30 (g/mL) G Lab File ID: hb067.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	44	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	38	U
117-84-0	Di-n-octylphthalate	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U

8714

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 30 (g/mL) G Lab File ID: hb067.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	38	U
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

8715

6028-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692570

Data file: /chem/HP04629.i/06feb06a.b/hb067.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 04:13 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 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	83319	(-3)	40.00	
41) Naphthalene-d8	17.180	(0.005)	1232	136.0	298687	(-4)	40.00	
64) Acenaphthene-d10	22.624	(0.003)	1781	164.0	163747	(-3)	40.00	
87) Phenanthrene-d10	27.171	(0.010)	2238	188.0	241542	(-8)	40.00	
99) Chrysene-d12	34.311	(0.004)	2953	240.0	170770	(-12)	40.00	
105) Perylene-d12	41.301	(-0.010)	3658	264.0	122090	(-16)	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	411582	129.165	86%		25 - 121
10) Phenol-d5	(1)	12.180	(0.000)	99	476611	136.987	91%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.723	(0.000)	132	431435	131.856	88%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.839	(0.000)	152	148538	71.966	72%		20 - 130
32) Nitrobenzene-d5	(2)	14.975	(0.001)	82	257869	83.186	83%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.469	(0.000)	172	465883	80.666	81%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.079	(0.000)	330	133004	131.838	88%		19 - 122
94) Terphenyl-d14	(5)	31.295	(0.000)	244	435239	106.508	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)				Below MDL,	Do not report				2.00
19) 1,4-Dichlorobenzene	(1)				Below MDL,	Do not report				2.00
22) 1,2-Dichlorobenzene	(1)				Below MDL,	Do not report				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)				Below MDL,	Do not report				2.00
43) 4-Chloroaniline	(2)				Below MDL,	Do not report				8.00

0716

6028-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692570

Data file: /chem/HP04629.i/06feb06a.b/hb067.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 04:13 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 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)					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)	27.241	(0.000)	178	16792	2.310	38.50			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

0717

6028-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692570

Data file: /chem/HP04629.i/06feb06a.b/hb067.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 04:13
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 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)
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

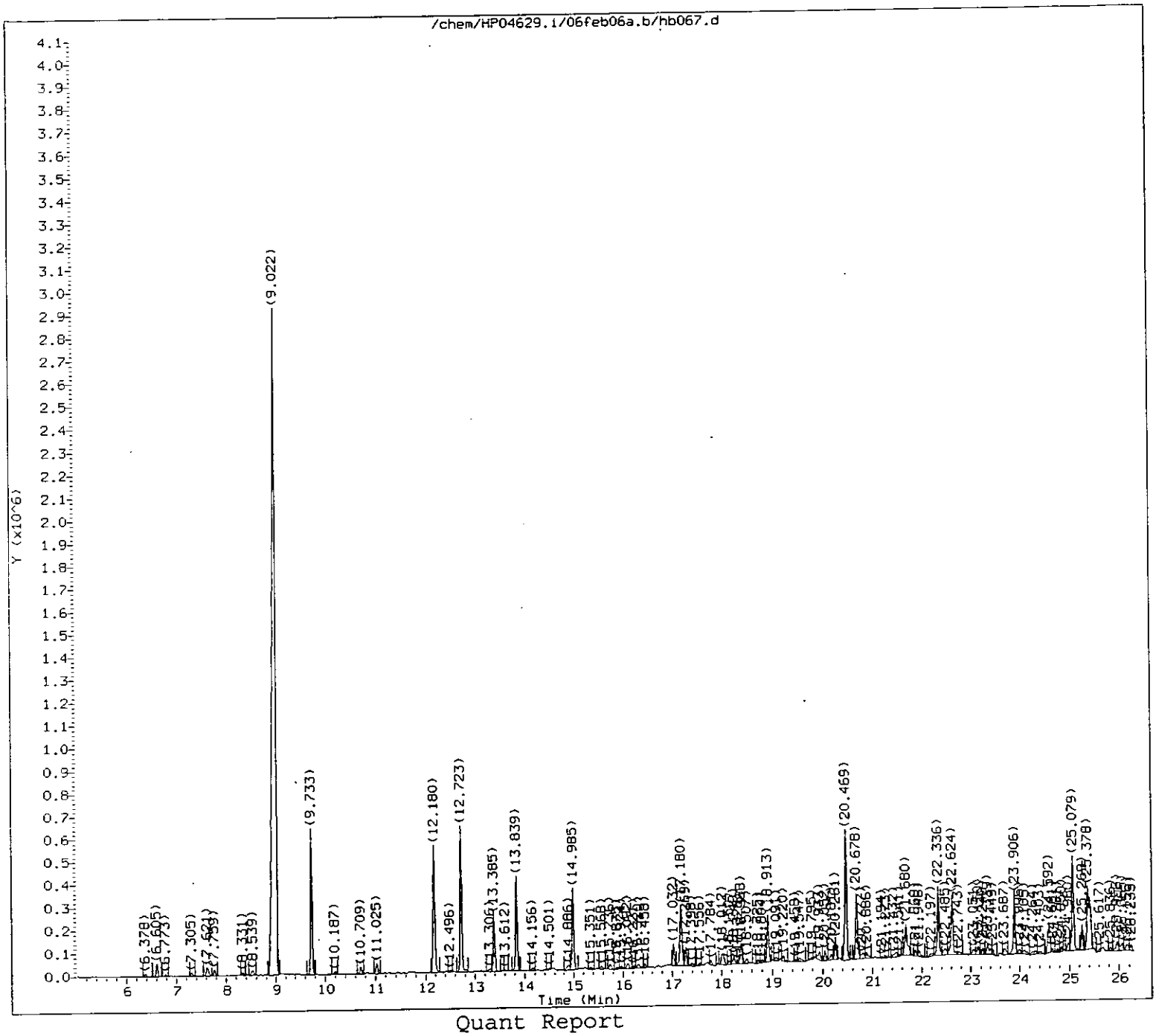
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

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

8718



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb067.d
Injection date and time: 07-FEB-2006 04:13

Instrument ID: HP04629.i
Analyst ID: lmh00956

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

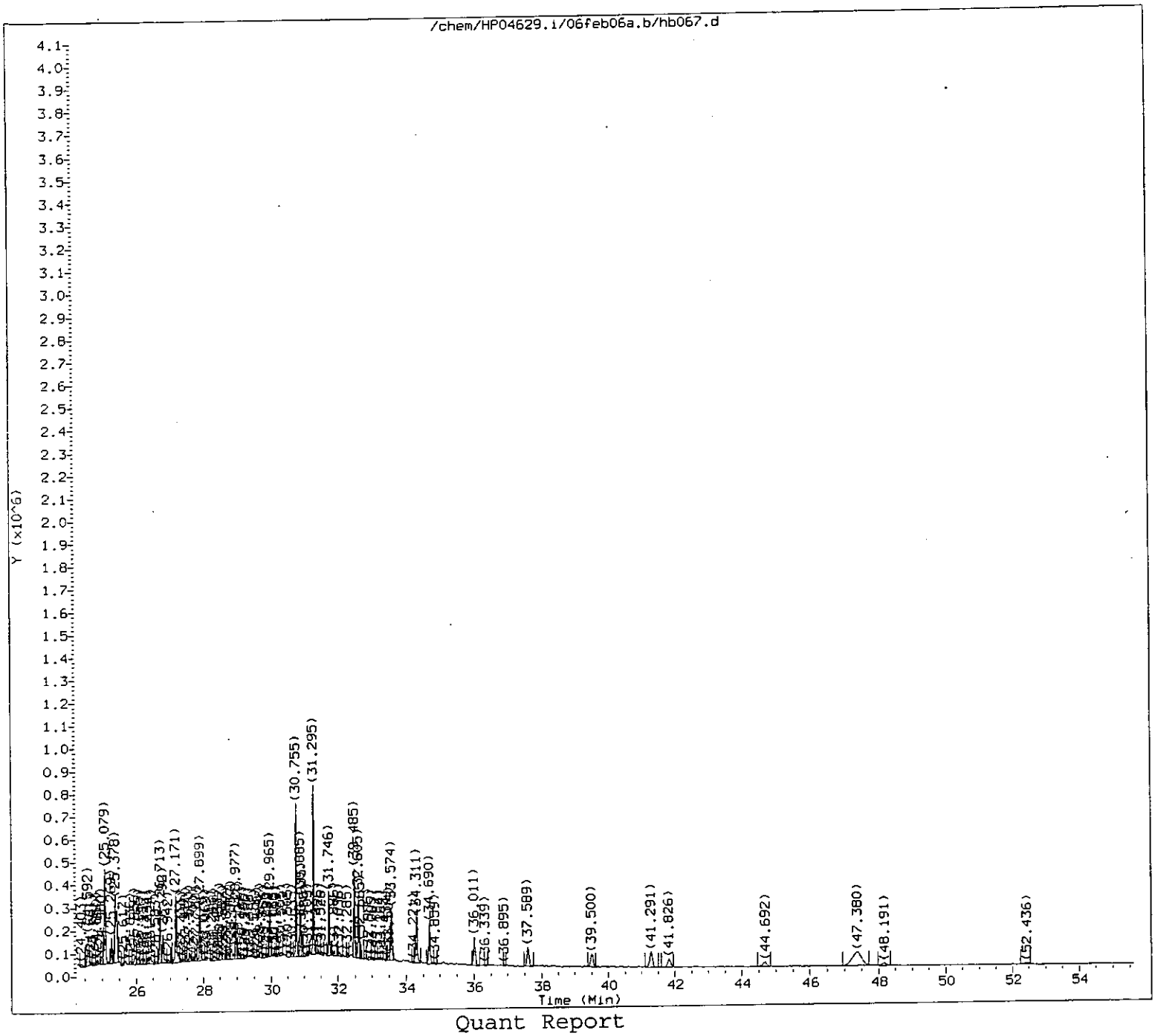
Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 msl01251

Sample Name: 6028-

Lab Sample ID: 4692570

LMH 2/7/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb067.d
Injection date and time: 07-FEB-2006 04:13

Instrument ID: HP04629.i
Analyst ID: lmh00956

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

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 msl01251

Sample Name: 6028-

Lab Sample ID: 4692570

LMH 2/7/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb067.d
Injection date and time: 07-FEB-2006 04:13

Instrument ID: HP04629.i
Analyst ID: lmh00956

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

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:29 msl01251

Sample Name: 6028-

Lab Sample ID: 4692570

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.385	152	83319	40.000
41) Naphthalene-d8	(2)	17.180	136	298687	40.000
64) Acenaphthene-d10	(3)	22.624	164	163747	40.000
87) Phenanthrene-d10	(4)	27.171	188	241542	40.000
88) Phenanthrene	(4)	27.241	178	16792	2.310
99) Chrysene-d12	(5)	34.311	240	170770	40.000
105) Perylene-d12	(6)	41.301	264	122090	40.000
4) 2-Fluorophenol	(1)	9.733	112	411582	129.165
10) Phenol-d5	(1)	12.180	99	476611	136.987
14) 2-Chlorophenol-d4	(1)	12.723	132	431435	131.856
21) 1,2-Dichlorobenzene-d4	(1)	13.839	152	148538	71.966
32) Nitrobenzene-d5	(2)	14.975	82	257869	83.186
54) 2-Fluorobiphenyl	(3)	20.469	172	465883	80.666
82) 2,4,6-Tribromophenol	(4)	25.079	330	133004	131.838
94) Terphenyl-d14	(5)	31.295	244	435239	106.508

M = Compound was manually integrated.

A = User selected an alternate hit

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

6028-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 30 (g/mL) g Lab File ID: hb067.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.	Unknown	14.886	100	J
2.	Unknown	16.092	99	J
3.	Unknown	18.012	210	J
4.	Unknown	18.249	120	J
5.	Unknown	18.507	94	J
6.	Unknown	19.547	91	J
7.	Unknown	19.933	120	J
8.	Unknown	20.052	110	J
9.	Unknown	20.777	110	J
10.	Unknown	20.886	84	J
11.	Unknown	21.432	90	J
12.	Unknown	21.948	84	J
13.	Unknown	22.485	120	J
14.	Unknown	23.687	99	J
15.	Unknown	24.105	90	J
16.	Unknown	24.980	85	J
17.	Unknown	25.269	220	J B
18.	Unknown	26.424	130	J
19.	Unknown	27.580	110	J
20.	Unknown	28.507	120	J
21.	Unknown	28.747	93	J
22.	Unknown	28.837	170	J
23.	Unknown	29.047	92	J
24.	Unknown	30.505	120	J
25.	Unknown Carboxylic Acid	30.755	1400	J B
26.	Unknown	30.935	220	J
27.	Unknown	32.485	880	J B
28.	Unknown	32.665	160	J
29.	Unknown	32.905	86	J
30.	Unknown	47.380	2200	J

8722

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

6028-

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 30 (g/mL) g Lab File ID: hb067.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	18.913	570	J
2.	Unknown Alkane	20.678	700	J
3.	Unknown Alkane	21.680	470	J
4.	Unknown Alkane	22.336	800	J
5.	Unknown Alkane	23.906	690	J
6.	Unknown Alkane	24.592	380	J
7.	Unknown Alkane	25.378	1000	J
8.	Unknown Alkane	26.713	510	J
9.	Unknown Alkane	27.899	480	J
10.	Unknown Alkane	28.977	400	J
11.	Unknown Alkane	29.965	430	J
12.	Unknown Alkane	30.885	570	J
13.	Unknown Alkane	31.746	600	J
14.	Unknown Alkane	32.605	700	J B
15.	Unknown Alkane	33.574	710	J
16.	Unknown Alkane	34.690	660	J
17.	Unknown Alkane	36.011	560	J
18.	Unknown Alkane	37.589	460	J
19.	Unknown Alkane	39.500	560	J
20.	Unknown Alkane	41.826	450	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

0723

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb067.d
Lab Smp Id: 4692570 Client Smp ID: 6028-
Inj Date : 07-FEB-2006 04:13
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6028-;4692570;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment : Max. number of TICs to report is 80, 50 TICs were found initially.
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: 8
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	559066	40.000
* 41 Naphthalene-d8	17.180	665650	40.000
* 64 Acenaphthene-d10	22.624	766809	40.000
* 87 Phenanthrene-d10	27.171	852990	40.000
* 99 Chrysene-d12	34.311	646857	40.000
* 105 Perylene-d12	41.301	410902	40.000

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
14.886	76446	5.46957313	91.15955	0		0	18
Unknown				CAS #:			
16.092	85851	5.15894933	85.98248	0		0	41
Unknown				CAS #:			
18.012	181610	10.9132356	181.88725	0		0	41
Unknown				CAS #:			
18.249	102120	6.13657933	102.27632	0		0	41
Unknown				CAS #:			
18.507	81463	4.89521719	81.58695	0		0	41
Unknown Alkane				CAS #:			
18.913	491899	29.5589997	492.64999	0		0	41
Unknown				CAS #:			
19.547	79274	4.76373319	79.39555	0		0	41
Unknown				CAS #:			
19.933	116218	6.06241623	101.04027	0		0	64
Unknown				CAS #:			
20.052	106169	5.53821892	92.30364	0		0	64
Unknown Alkane				CAS #:			
20.678	698523	36.4378768	607.29794	0		0	64
Unknown				CAS #:			
20.777	114838	5.99044759	99.84079	0		0	64
Unknown				CAS #:			
20.886	84112	4.38761491	73.12691	0		0	64
Unknown				CAS #:			
21.432	89790	4.68381084	78.06351	0		0	64
Unknown Alkane				CAS #:			
21.680	469515	24.4918734	408.19789	0		0	64
Unknown				CAS #:			
21.948	83679	4.36506600	72.75110	0		0	64

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
22.336	803785	41.9287919	698.81319	0		0	64
Unknown				CAS #:			
22.485	121685	6.34761930	105.79365	0		0	64
Unknown				CAS #:			
23.687	98913	5.15974053	85.99567	0		0	64
Unknown Alkane				CAS #:			
23.906	691963	36.0956704	601.59450	0		0	64
Unknown				CAS #:			
24.105	89890	4.68905531	78.15092	0		0	64
Unknown Alkane				CAS #:			
24.592	383374	19.9983951	333.30658	0		0	64
Unknown				CAS #:			
24.980	94871	4.44886655	74.14777	0		0	87
Unknown				CAS #:			
25.269	246904	11.5782702	192.97116	0		0	87
Unknown Alkane				CAS #:			
25.378	1149206	53.8906807	898.17801	0		0	87
Unknown				CAS #:			
26.424	147642	6.92351717	115.39195	0		0	87
Unknown Alkane				CAS #:			
26.713	571169	26.7842896	446.40482	0		0	87
Unknown				CAS #:			
27.580	123989	5.81431227	96.90520	0		0	87
Unknown Alkane				CAS #:			
27.899	530687	24.8859544	414.76590	0		0	87
Unknown				CAS #:			
28.507	133572	6.26372541	104.39542	0		0	87
Unknown				CAS #:			
28.747	104008	4.87734430	81.28907	0		0	87

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.837	192441	9.02431425	150.40523	0		0	87
Unknown Alkane				CAS #:			
28.977	445307	20.8821546	348.03591	0		0	87
Unknown				CAS #:			
29.047	102612	4.81188197	80.19803	0		0	87
Unknown Alkane				CAS #:			
29.965	476034	22.3230815	372.05135	0		0	87
Unknown				CAS #:			
30.505	130098	6.10080794	101.68013	0		0	87
Unknown Carboxylic acid				CAS #:			
30.755	1193817	73.8226247	1230.37707	0		0	99
Unknown Alkane				CAS #:			
30.885	479745	29.6662115	494.43685	0		0	99
Unknown				CAS #:			
30.935	190655	11.7896345	196.49390	0		0	99
Unknown Alkane				CAS #:			
31.746	507596	31.3884526	523.14087	0		0	99
Unknown				CAS #:			
32.485	744332	46.0275722	767.12620	0		0	99
Unknown Alkane				CAS #:			
32.605	590052	36.4873135	608.12189	0		0	99
Unknown				CAS #:			
32.665	134822	8.33705201	138.95086	0		0	99
Unknown				CAS #:			
32.905	72708	4.49607545	74.93459	0		0	99
Unknown Alkane				CAS #:			
33.574	598727	37.0237815	617.06302	0		0	99
Unknown Alkane				CAS #:			
34.690	558732	34.5505592	575.84265	0		0	99

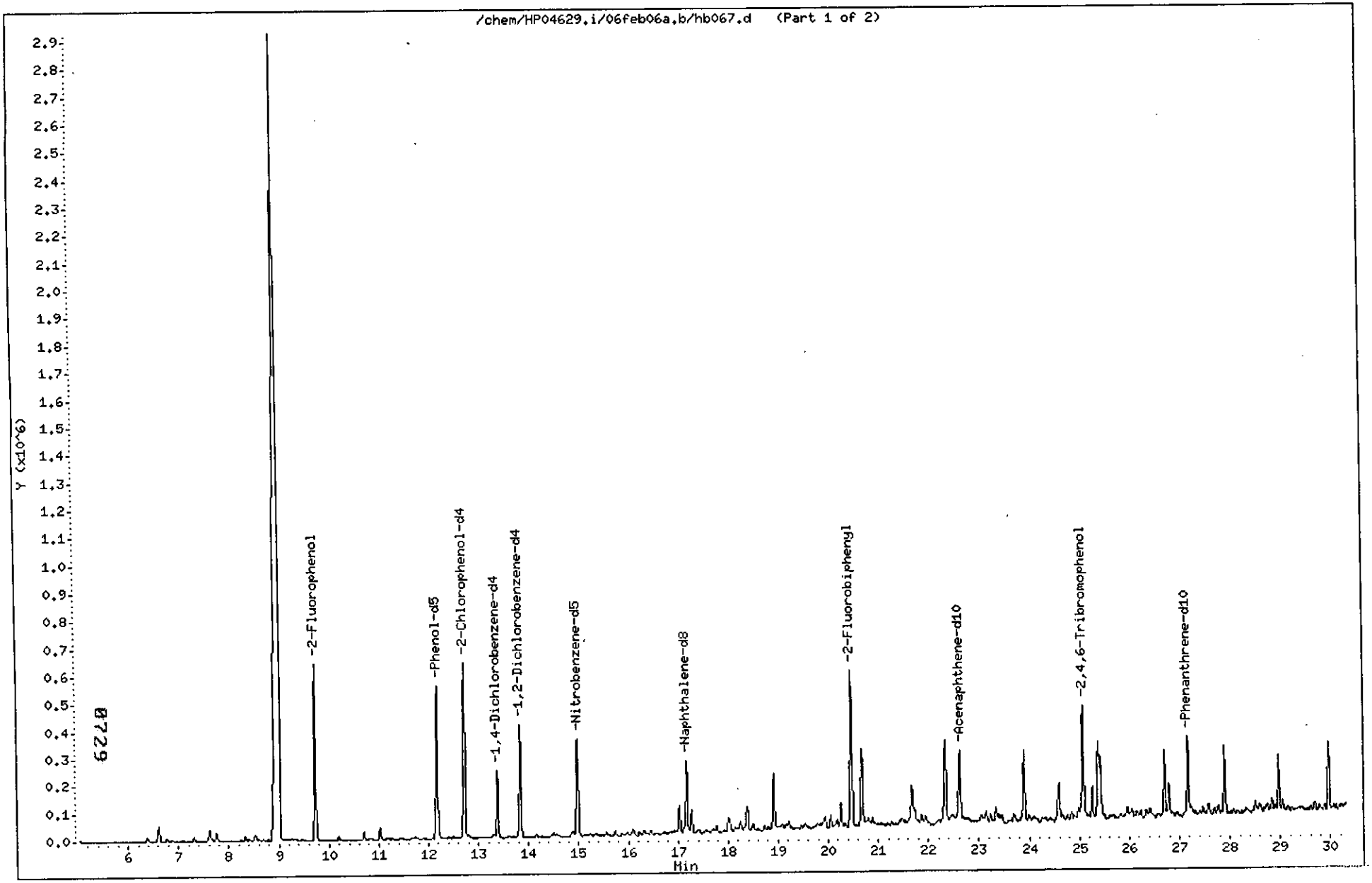
③ CMR/412 2/8/06

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
36.011	470681	29.1056962	485.09493	0		0	99
Unknown Alkane				CAS #:			
37.589	390422	24.1427087	402.37847	0		0	99
Unknown Alkane				CAS #:			
39.500	298188	29.0276146	483.79357	0		0	105
Unknown Alkane				CAS #:			
41.826	242515	23.6080524	393.46753	0		0	105
Unknown				CAS #:			
47.380	1184826	115.338824	1922.31373	0		0	105

Data File: /chem/HP04629.i/06feb06a.b/hb067.d
Date : 07-FEB-2006 04:13
Client ID: 6028-
Sample Info: 6028-;4692570;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

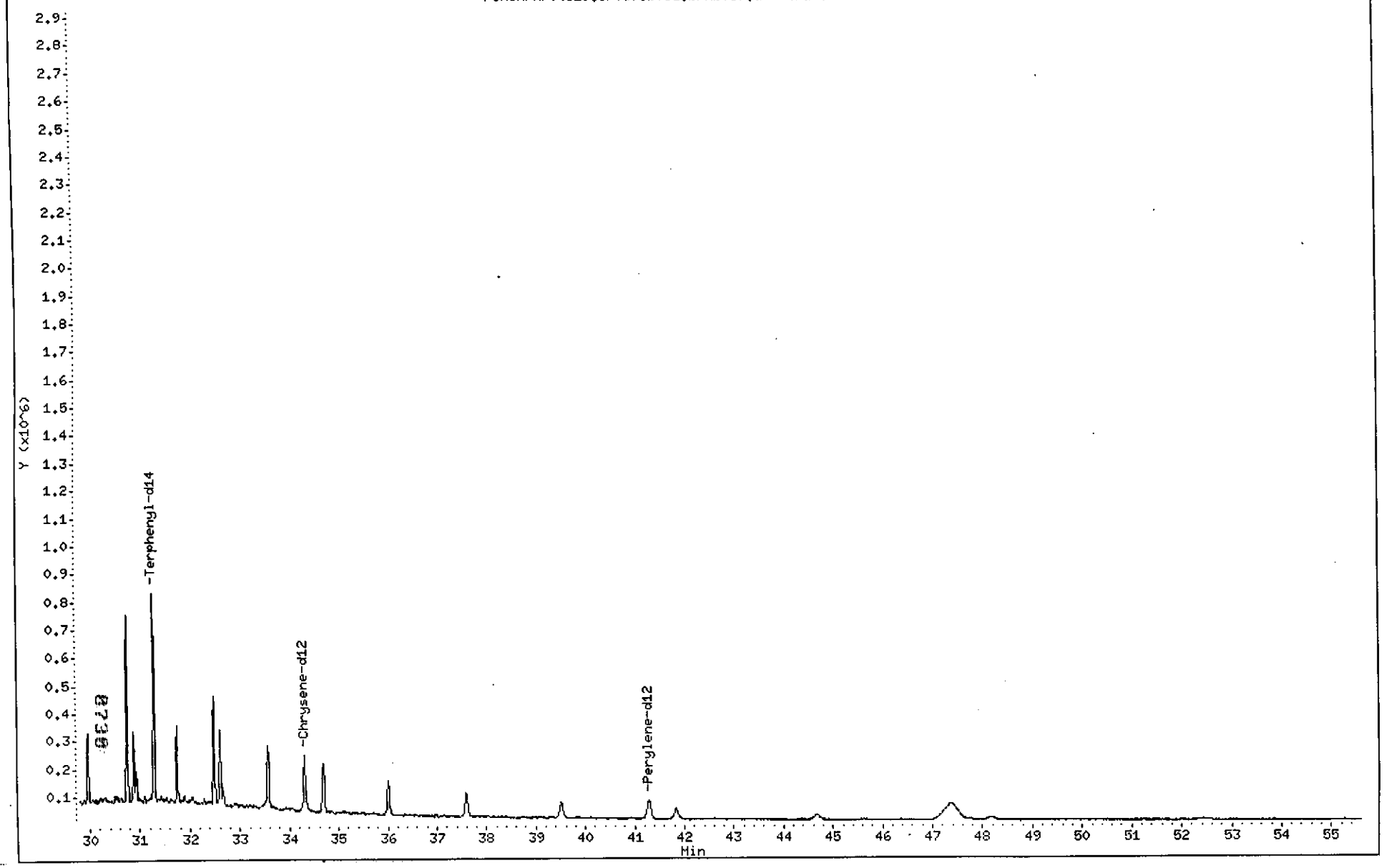


Data File: /chem/HP04629.i/06feb06a.b/hb067.d
Date : 07-FEB-2006 04:13
Client ID: 6028-
Sample Info: 6028-;4692570;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

/chem/HP04629.i/06feb06a.b/hb067.d (Part 2 of 2)



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;

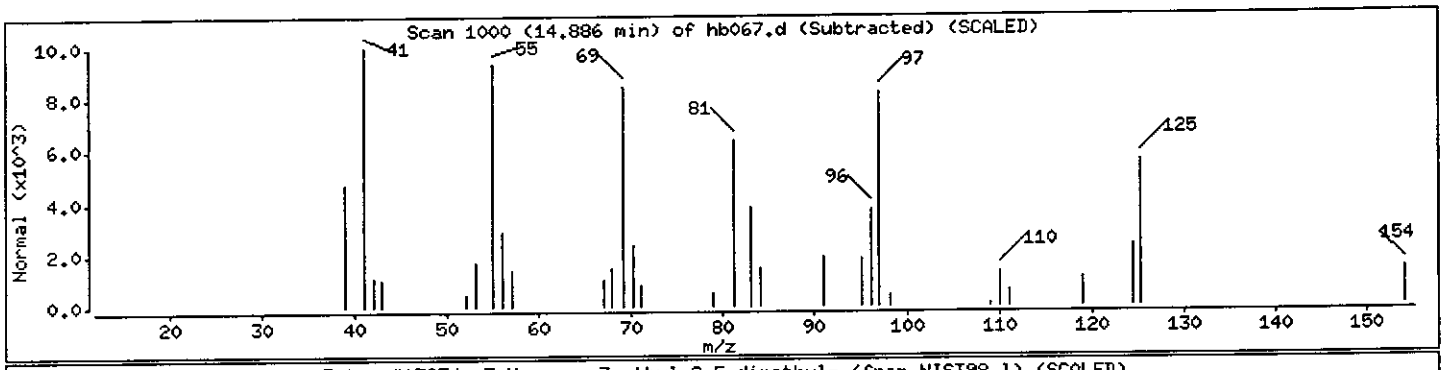
Volume Injected (uL): 2.0

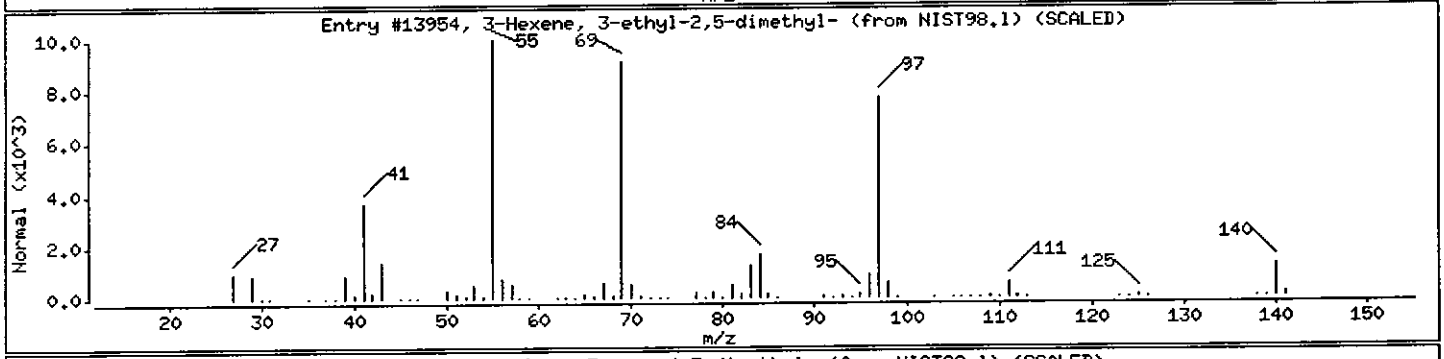
Operator: lmh00956

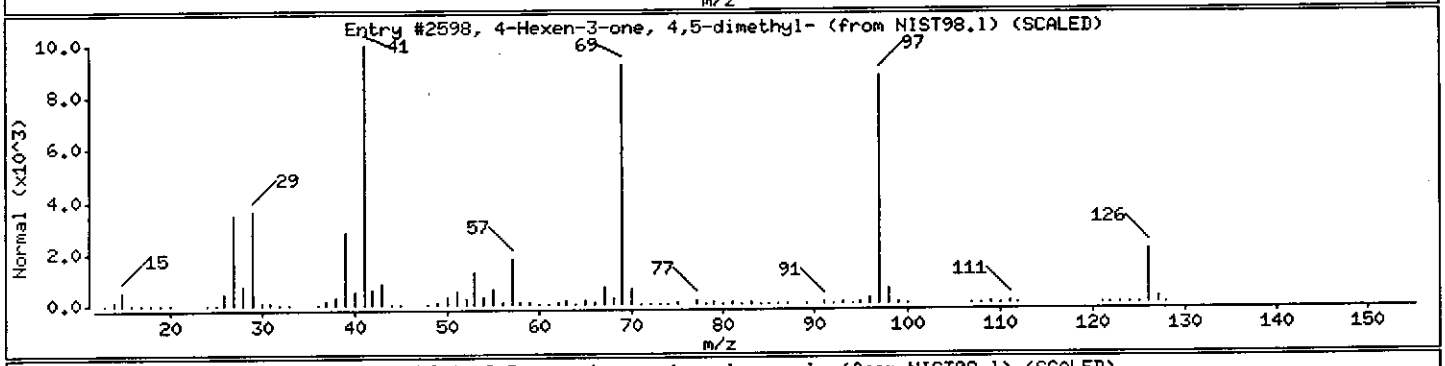
Column phase: J&W DB-5.625

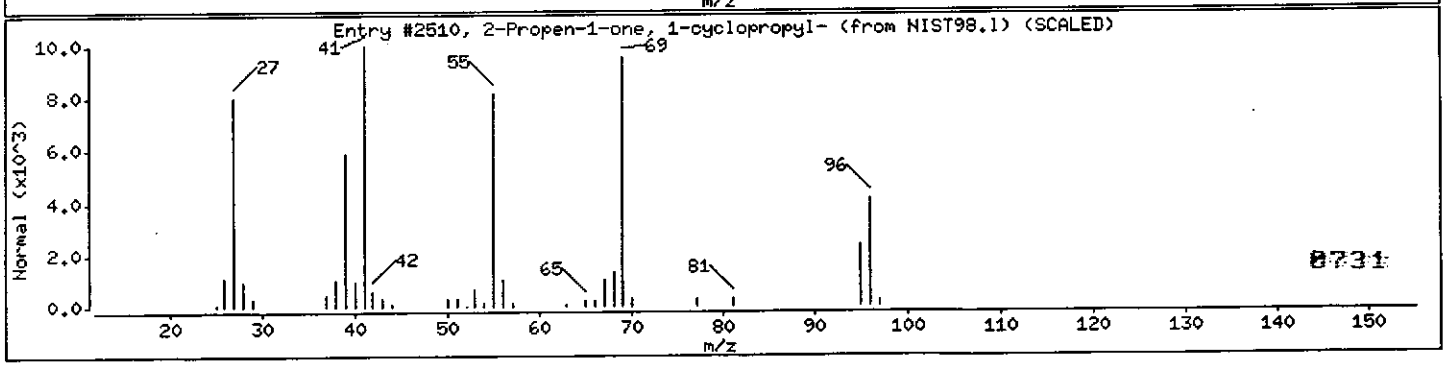
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Hexene, 3-ethyl-2,5-dimethyl-	62338-08-3	NIST98.1	13954	43	C10H20	140
4-Hexen-3-one, 4,5-dimethyl-	17325-90-5	NIST98.1	2598	38	C8H14O	126
2-Propen-1-one, 1-cyclopropyl-	59819-62-4	NIST98.1	2510	38	C6H8O	96









0731

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;

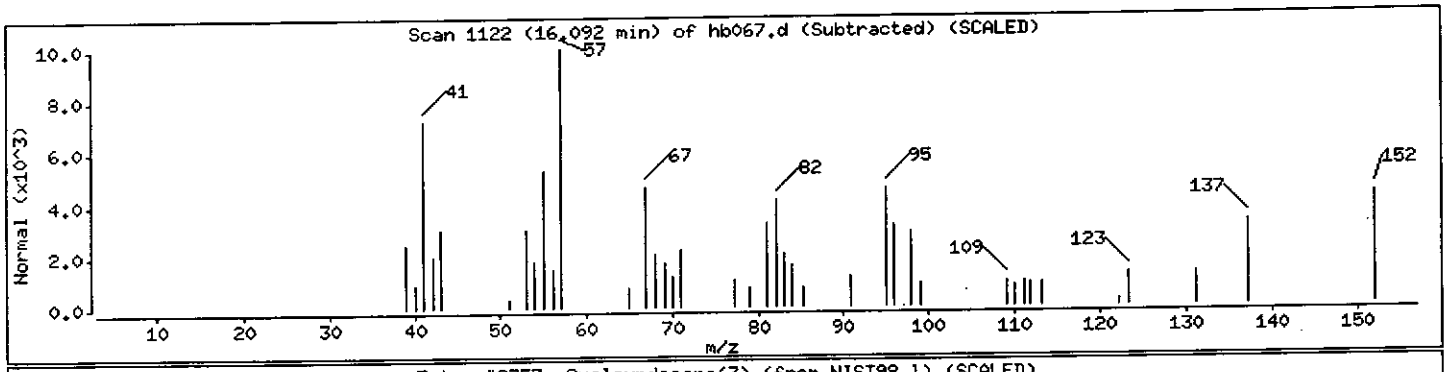
Volume Injected (uL): 2.0

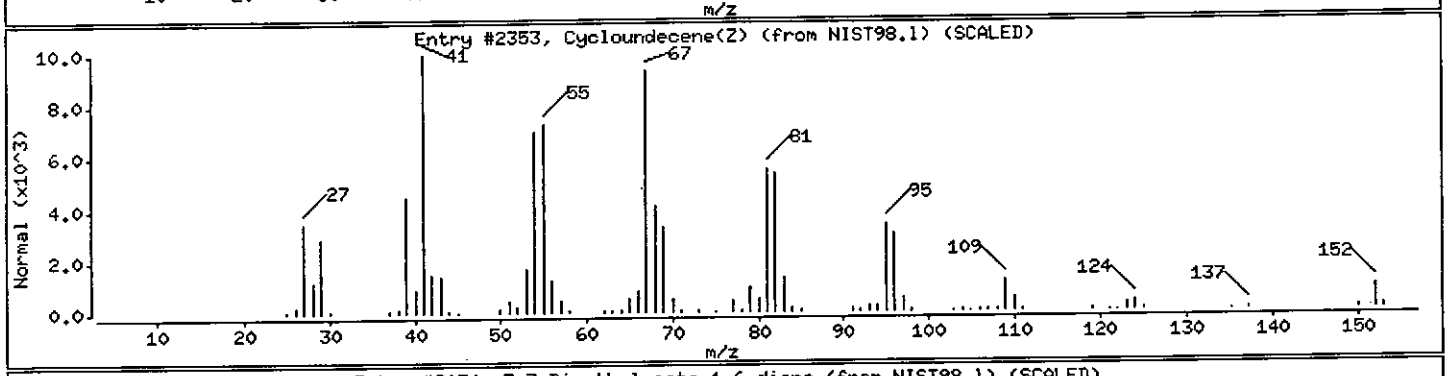
Operator: lmh00956

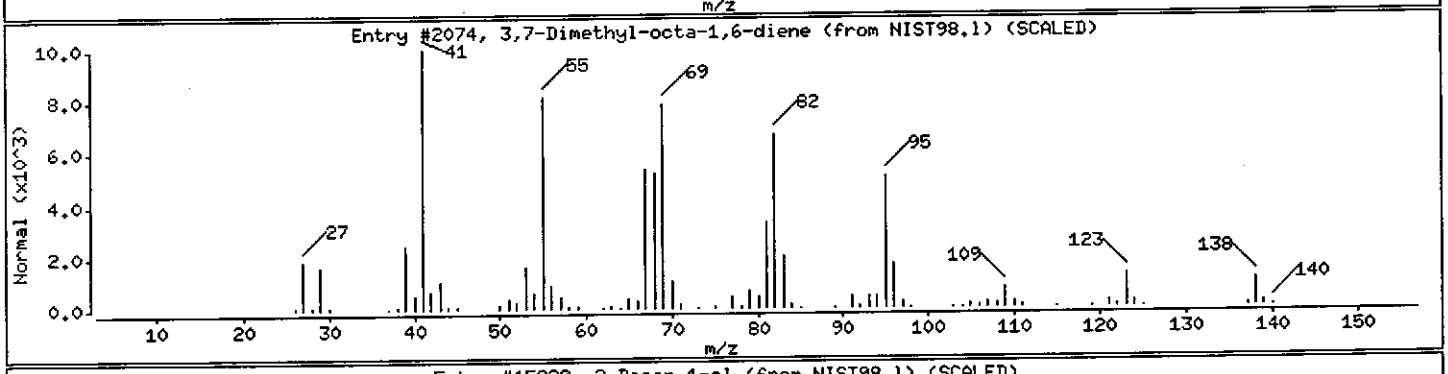
Column phase: J&W DB-5.625

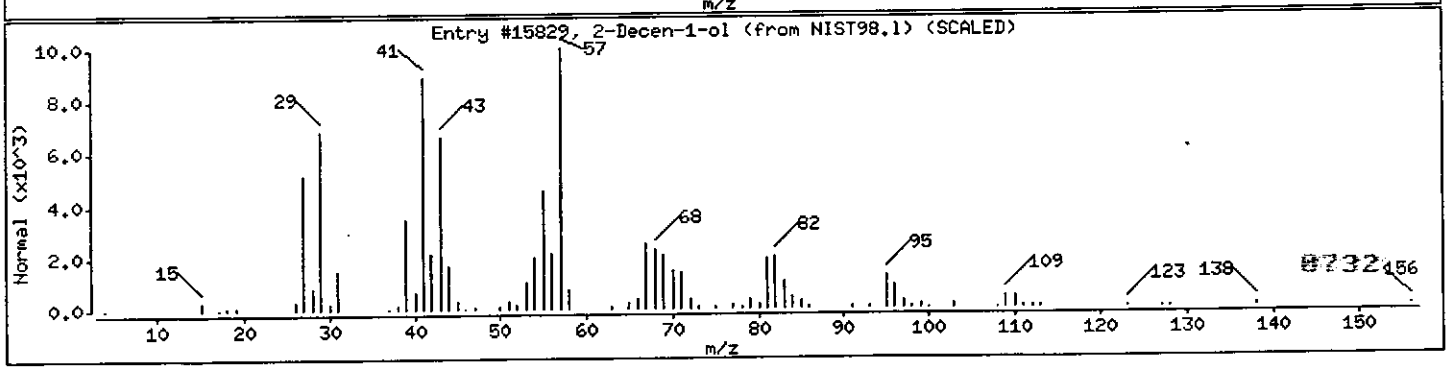
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cycloundecene(Z)	13151-61-6	NIST98.1	2353	53	C11H20	152
3,7-Dimethyl-octa-1,6-diene	1000190-46-4	NIST98.1	2074	43	C10H18	138
2-Decen-1-ol	22104-80-9	NIST98.1	15829	37	C10H20O	156









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;

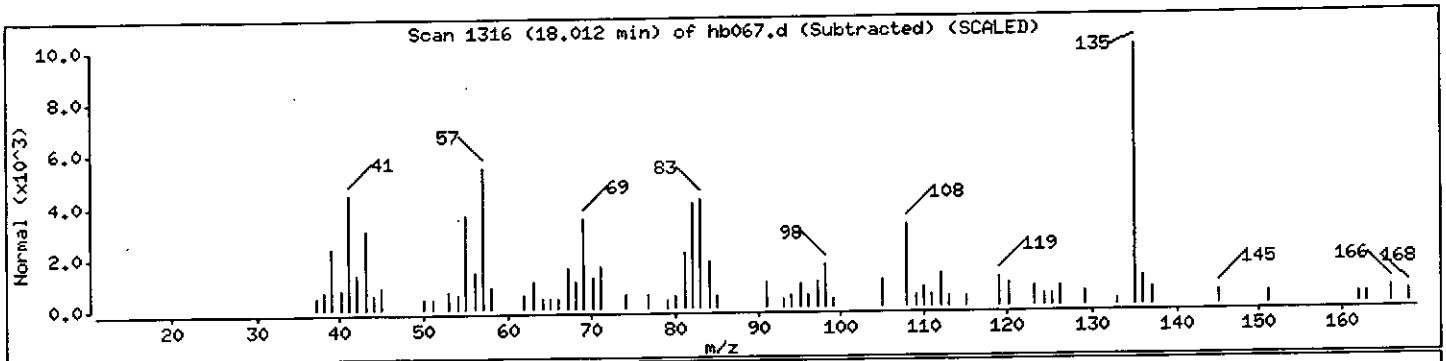
Volume Injected (uL): 2.0

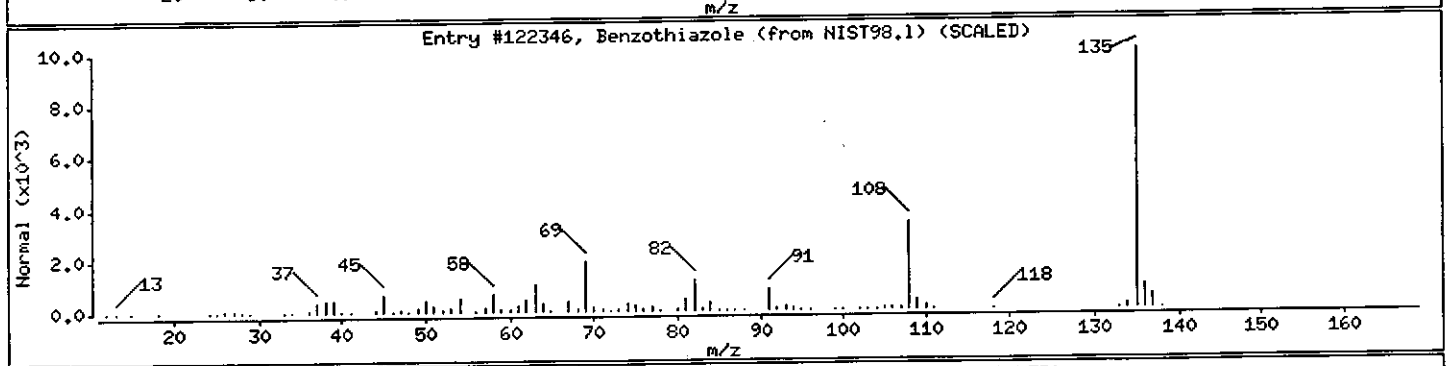
Operator: lmh00956

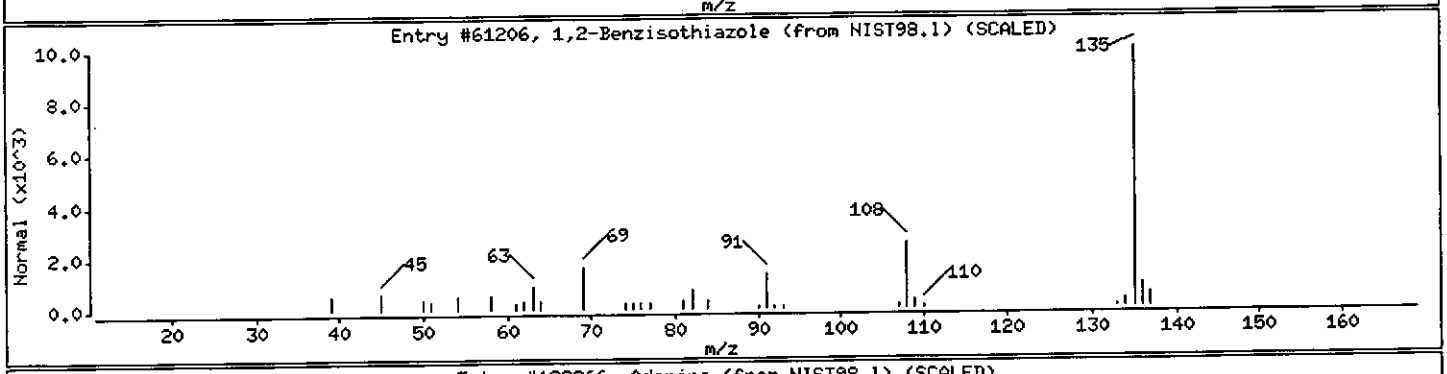
Column phase: J&W DB-5.625

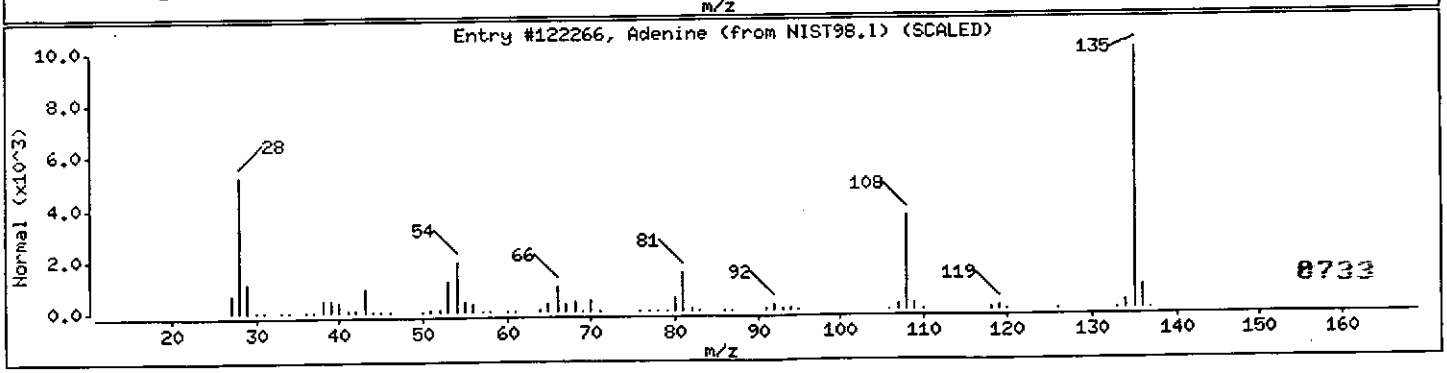
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzothiazole	95-16-9	NIST98.1	122346	45	C7H5NS	135
1,2-Benzisothiazole	272-16-2	NIST98.1	61206	38	C7H5NS	135
Adenine	73-24-5	NIST98.1	122266	35	C5H5N5	135









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;

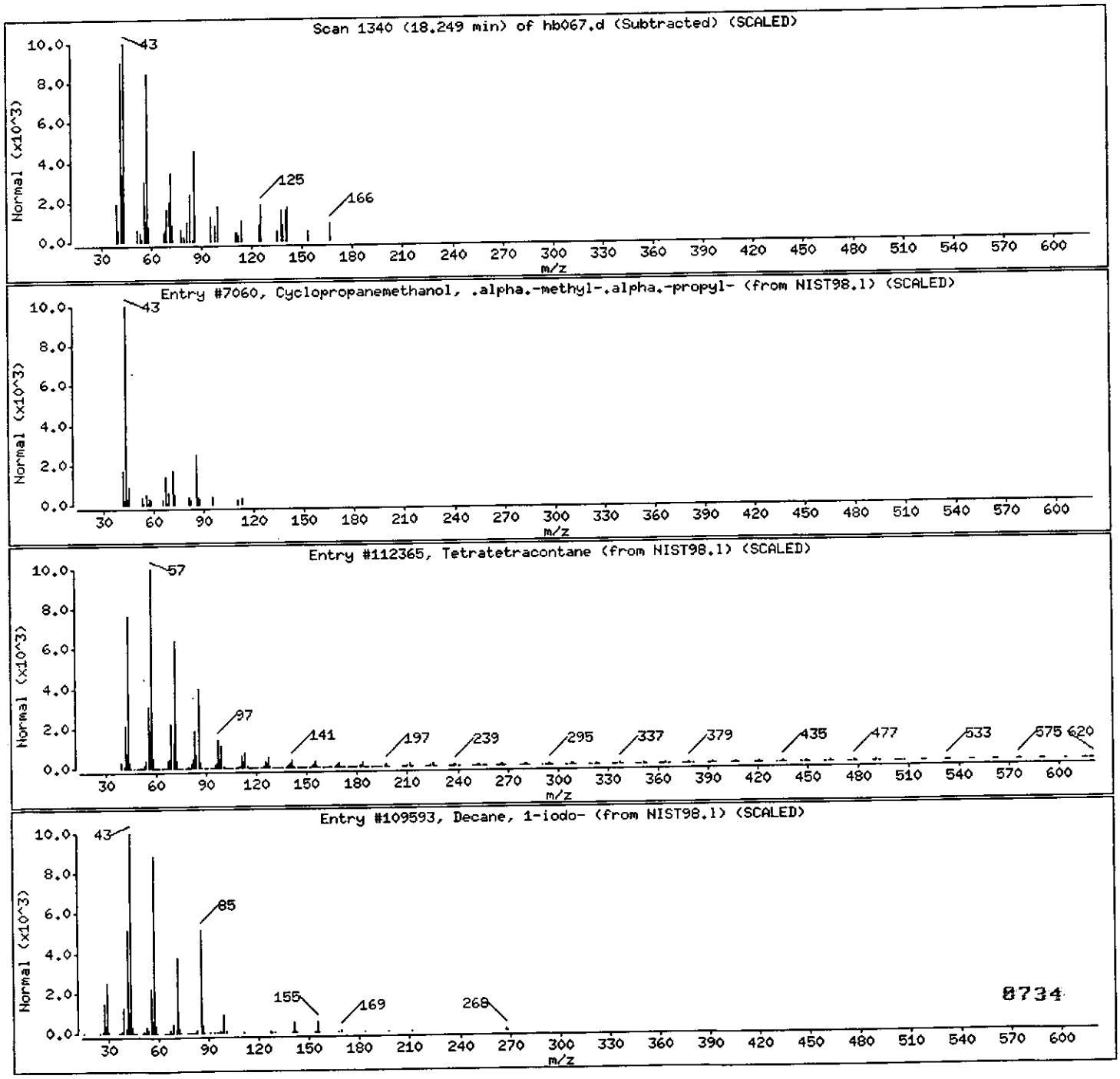
Volume Injected (uL): 2.0

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						
Cyclopropanemethanol, .alpha.-methyl-.al	24230-08-8	NIST98.1	7060	38	C8H16O	128
Tetratetracontane	7098-22-8	NIST98.1	112365	37	C44H90	619
Decane, 1-iodo-	2050-77-3	NIST98.1	109593	35	C10H21I	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;

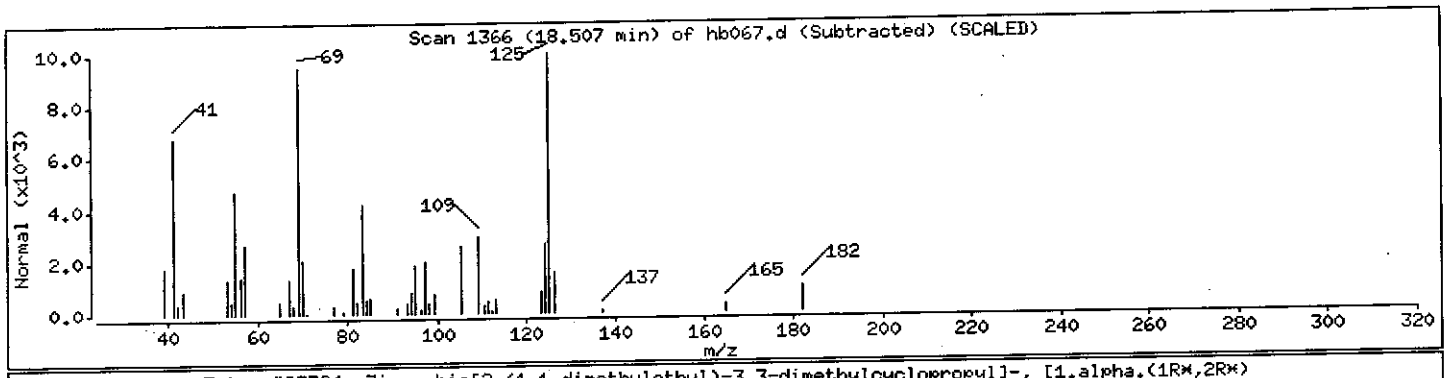
Volume Injected (uL): 2.0

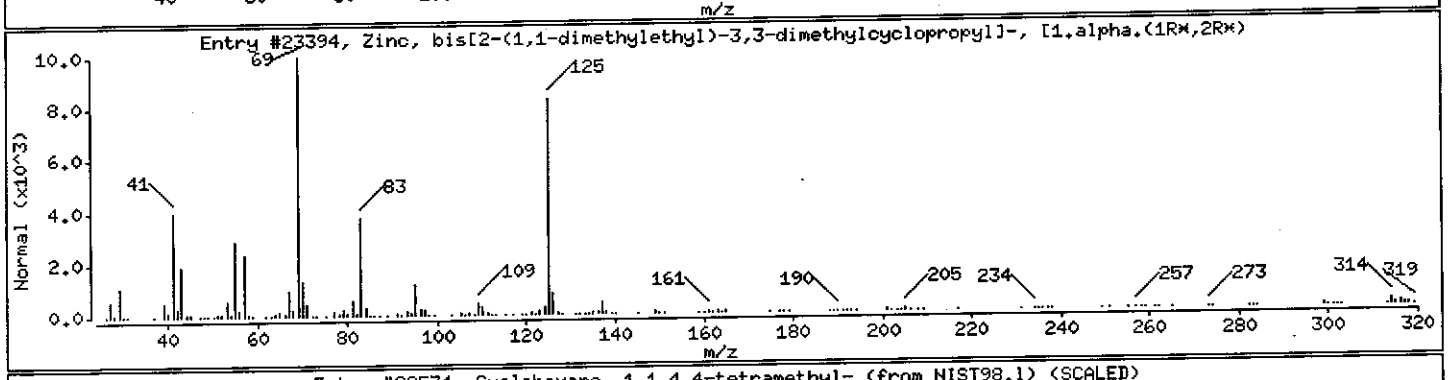
Operator: lmh00956

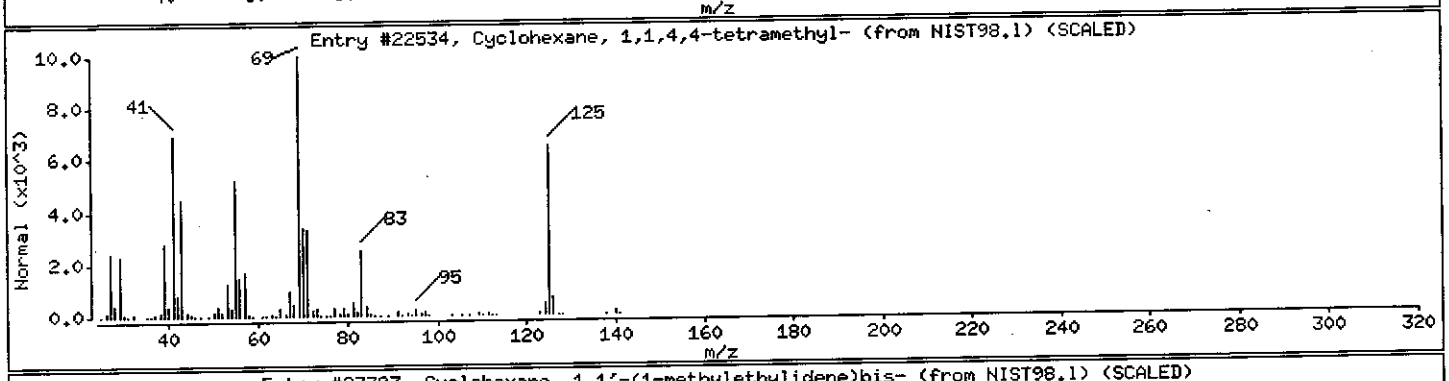
Column phase: J&W DB-5.625

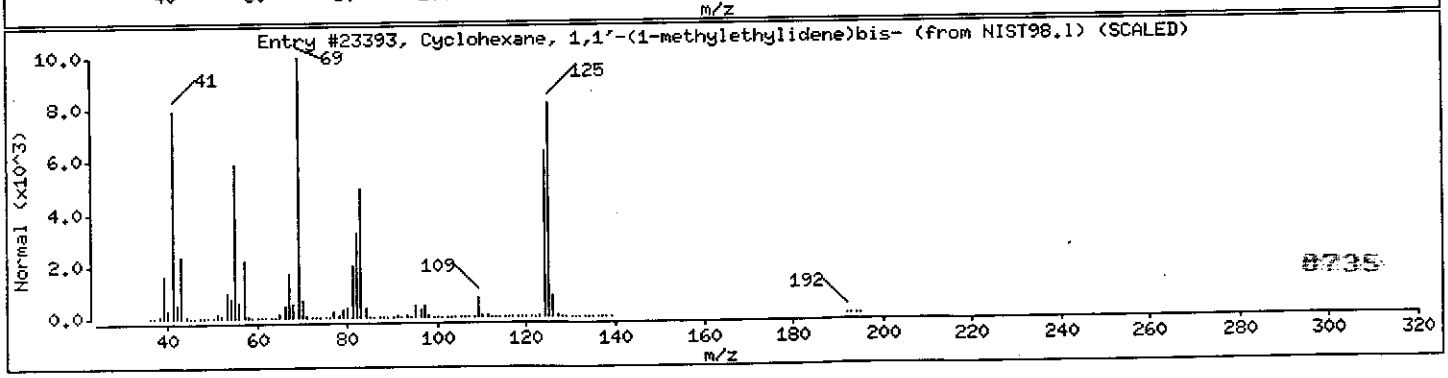
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Zinc, bis[2-(1,1-dimethylethyl)-3,3-dime	74793-36-5	NIST98.1	23394	59	C18H34Zn	314
Cyclohexane, 1,1,4,4-tetramethyl-	2223-52-1	NIST98.1	22534	47	C10H20	140
Cyclohexane, 1,1'-(1-methylethylidene)bi	54934-90-6	NIST98.1	23393	42	C15H28	208









8735

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;

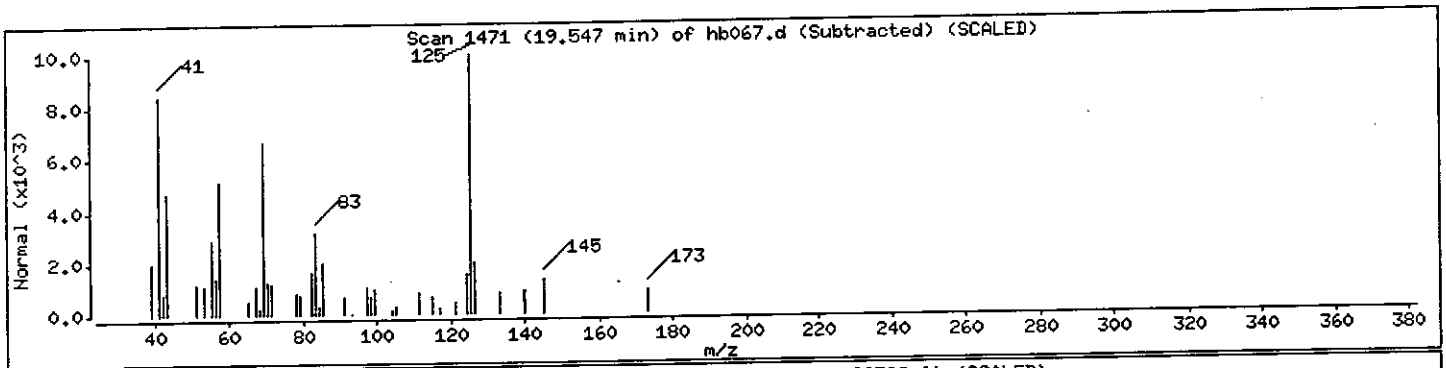
Volume Injected (uL): 2.0

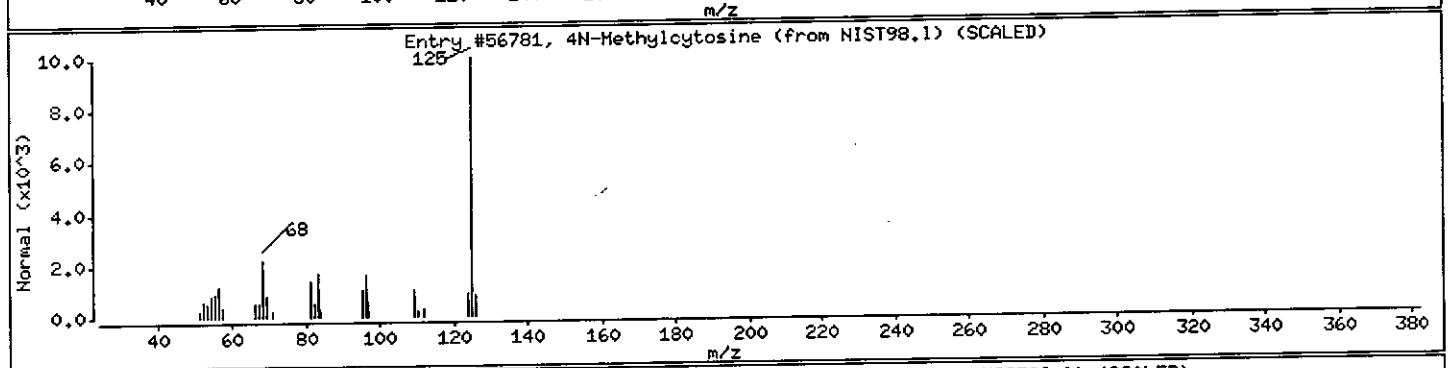
Operator: lmh00956

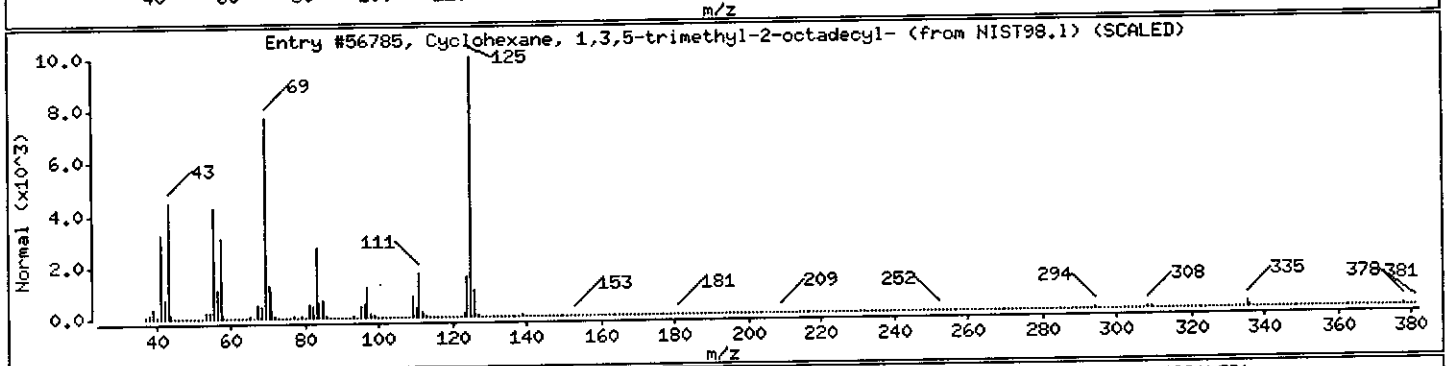
Column phase: J&W DB-5.625

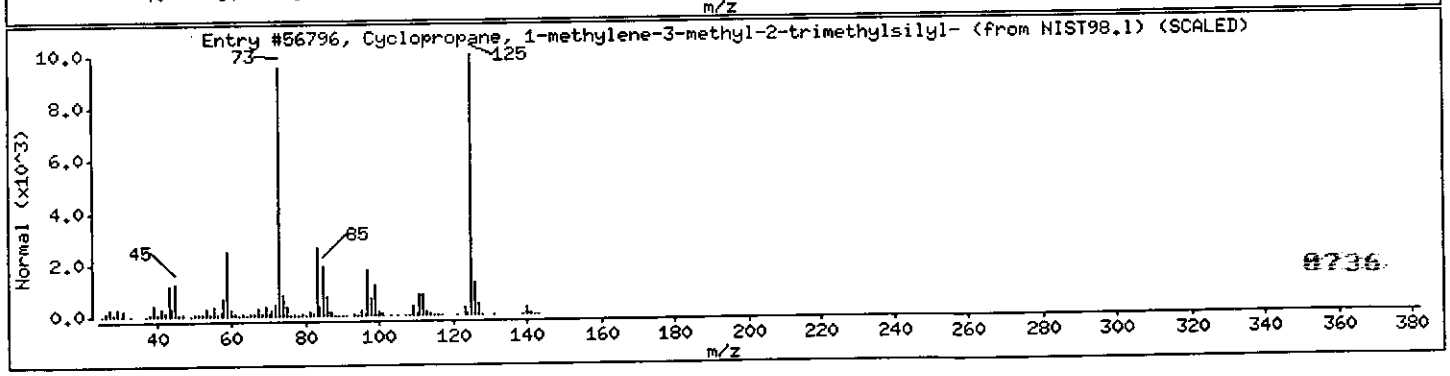
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4N-Methylcytosine	1000245-57-1	NIST98.1	56781	47	C5H7N3O	125
Cyclohexane, 1,3,5-trimethyl-2-octadecyl	55282-34-3	NIST98.1	56785	42	C27H54	378
Cyclopropane, 1-methylene-3-methyl-2-tri	1000152-74-9	NIST98.1	56796	40	C8H16Si	140









8736

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;

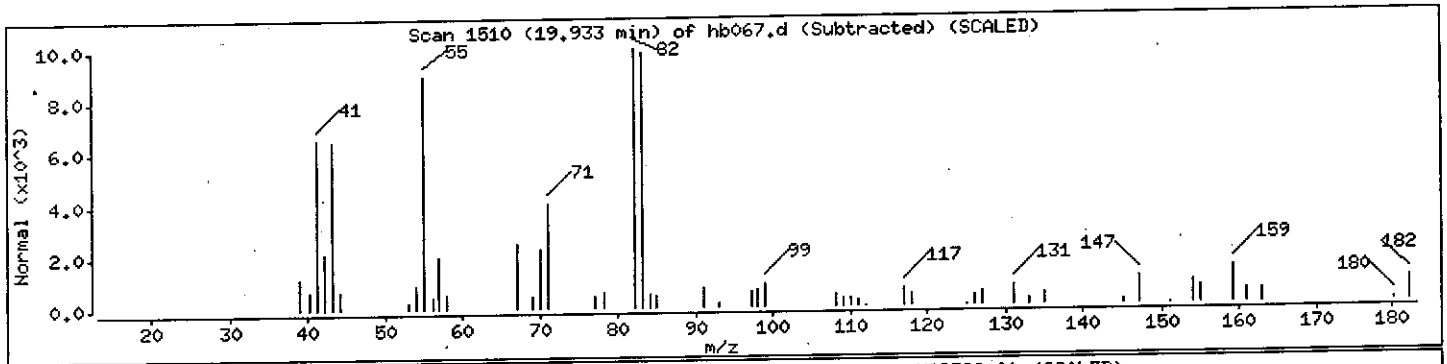
Volume Injected (uL): 2.0

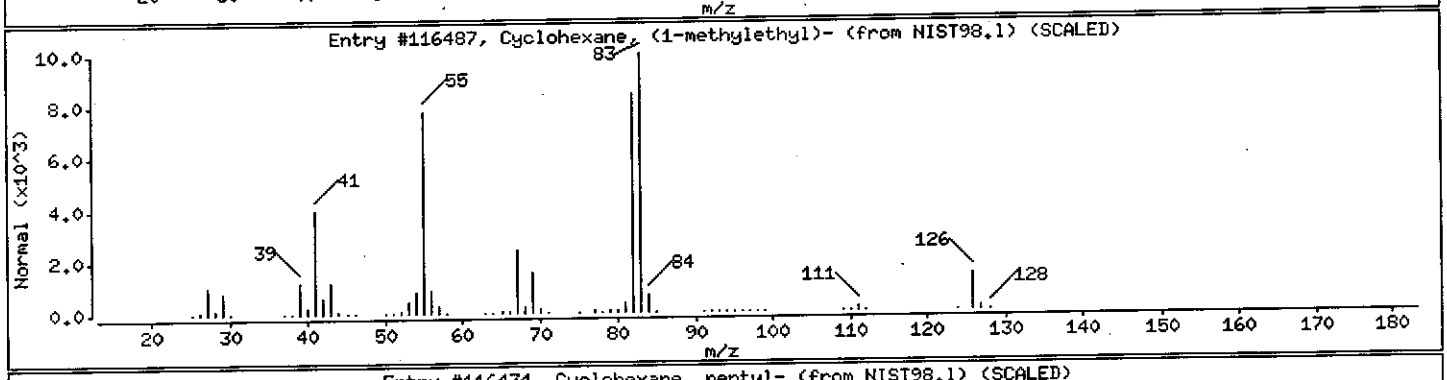
Operator: lmh00956

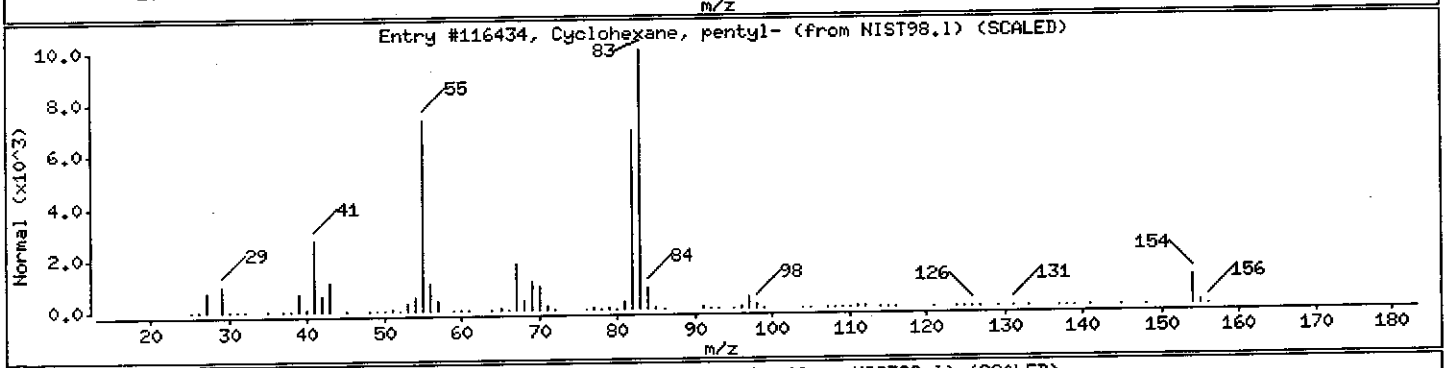
Column phase: J&W DB-5.625

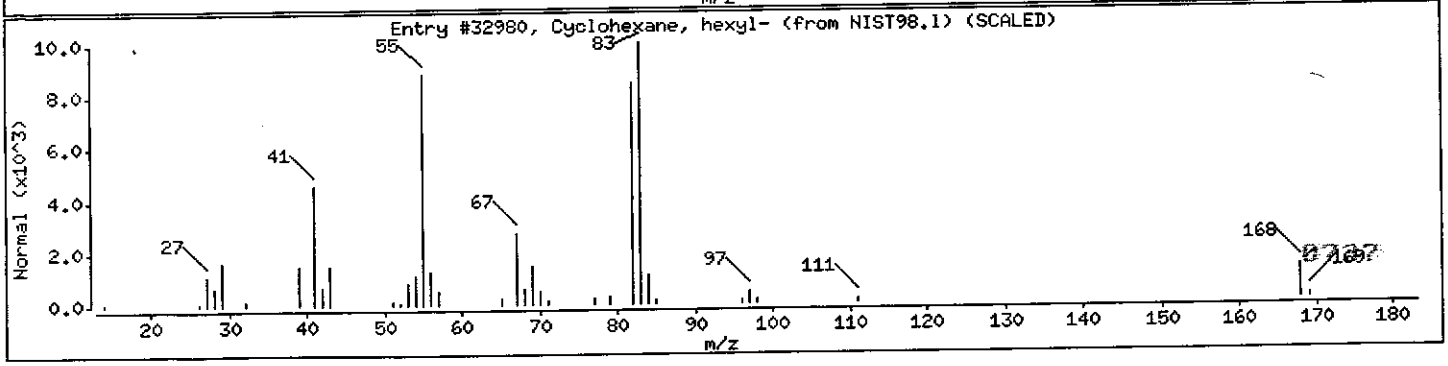
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	116487	50	C9H18	126
Cyclohexane, pentyl-	4292-92-6	NIST98.1	116434	42	C11H22	154
Cyclohexane, hexyl-	4292-75-5	NIST98.1	32980	40	C12H24	168









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;

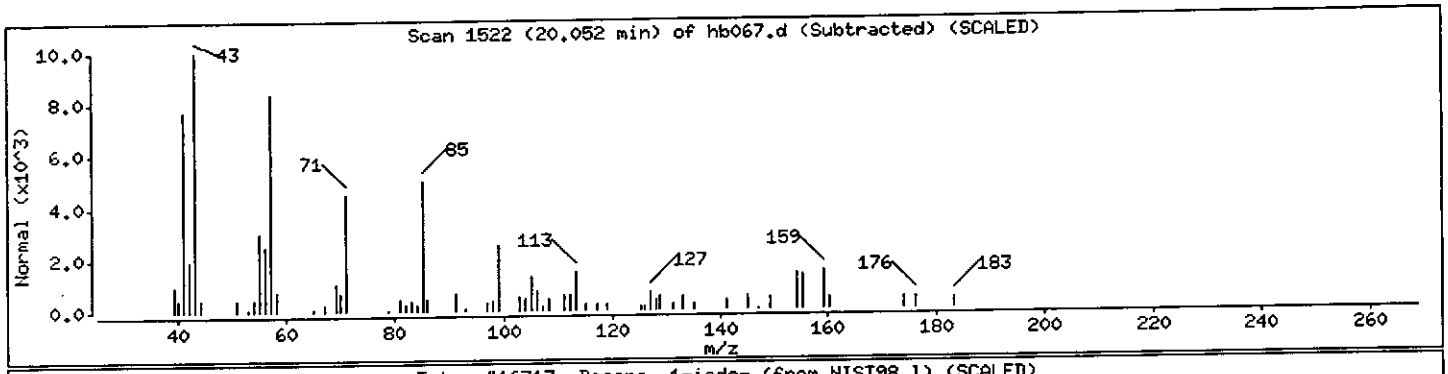
Volume Injected (uL): 2.0

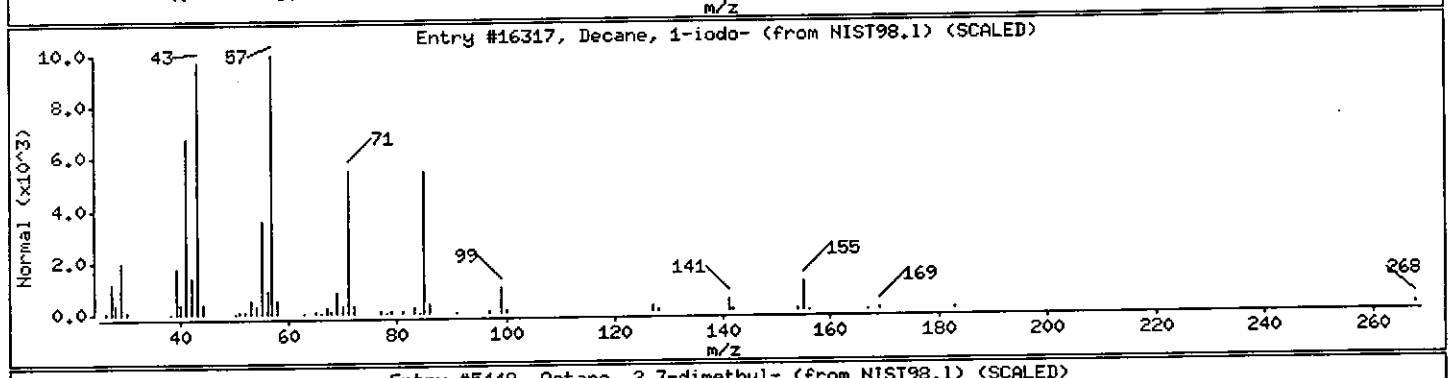
Operator: lmh00956

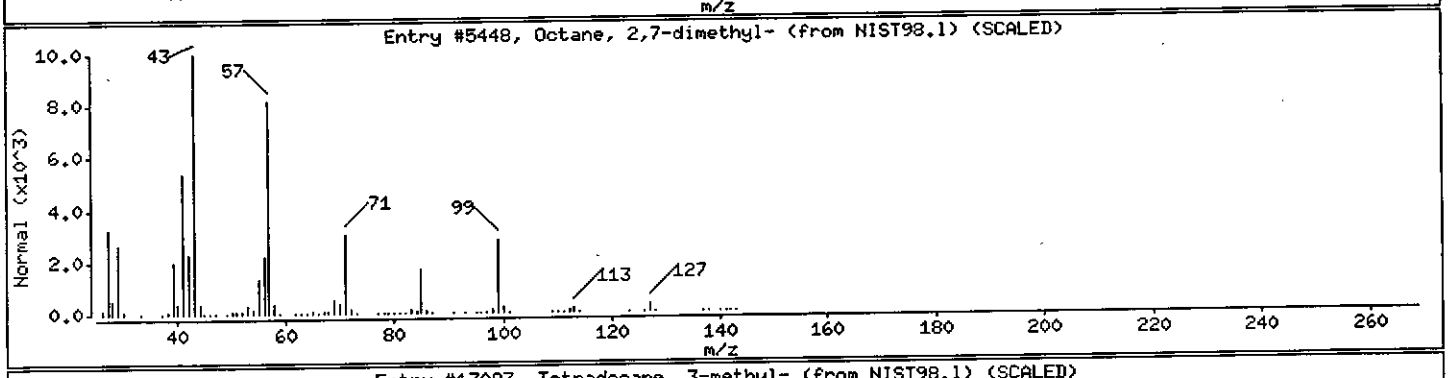
Column phase: J&W DB-5.625

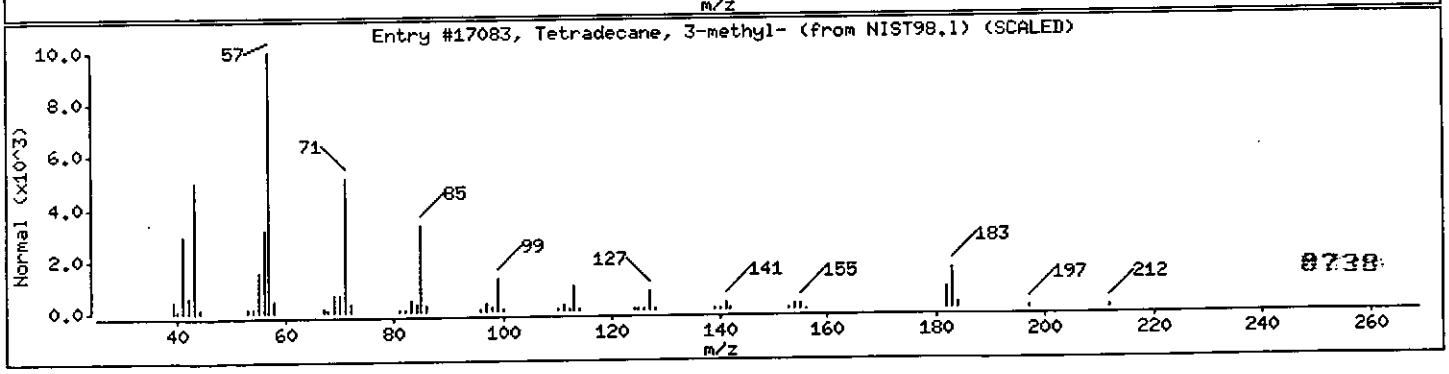
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 1-iodo-	2050-77-3	NIST98.1	16317	52	C10H21I	268
Octane, 2,7-dimethyl-	1072-16-8	NIST98.1	5448	50	C10H22	142
Tetradecane, 3-methyl-	18435-22-8	NIST98.1	17083	47	C15H32	212









8738

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;

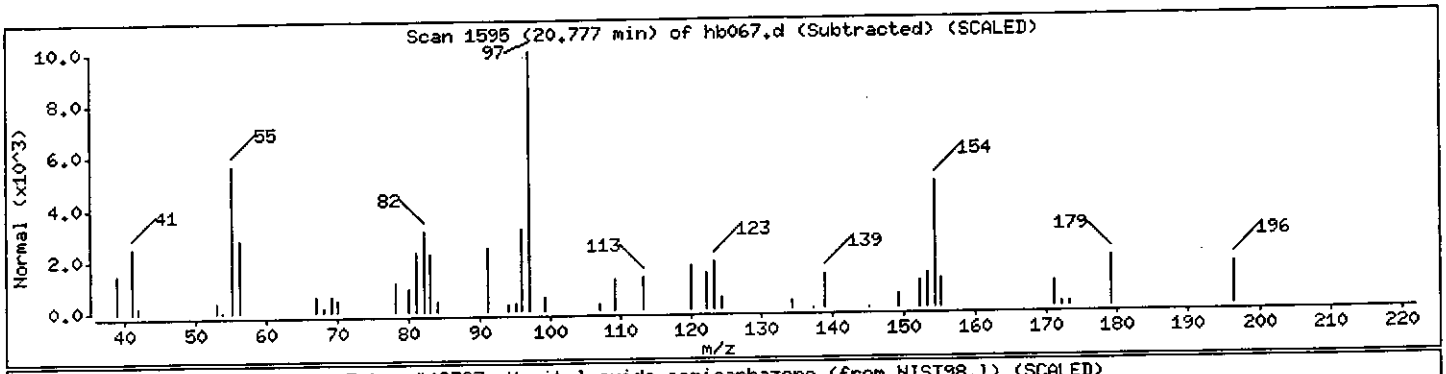
Volume Injected (uL): 2.0

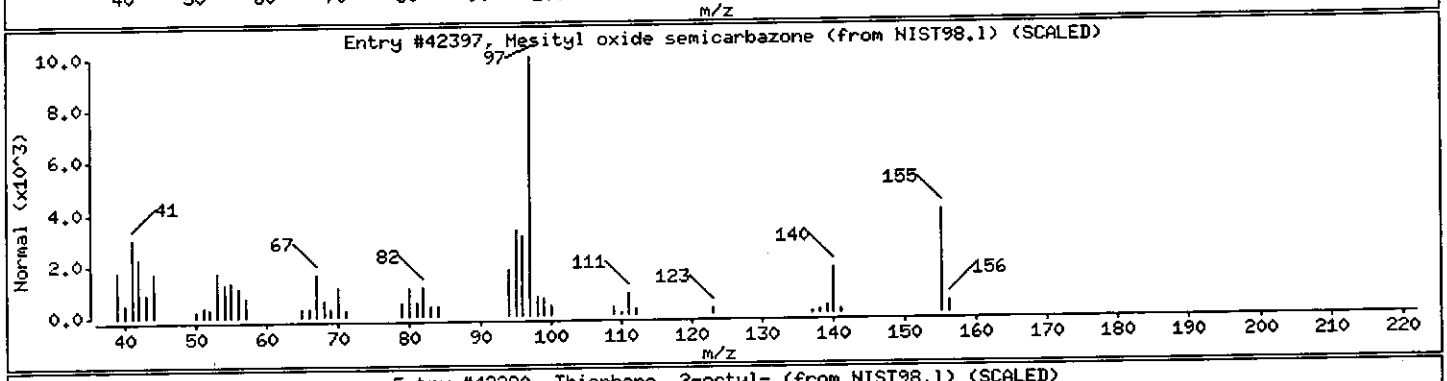
Operator: lmh00956

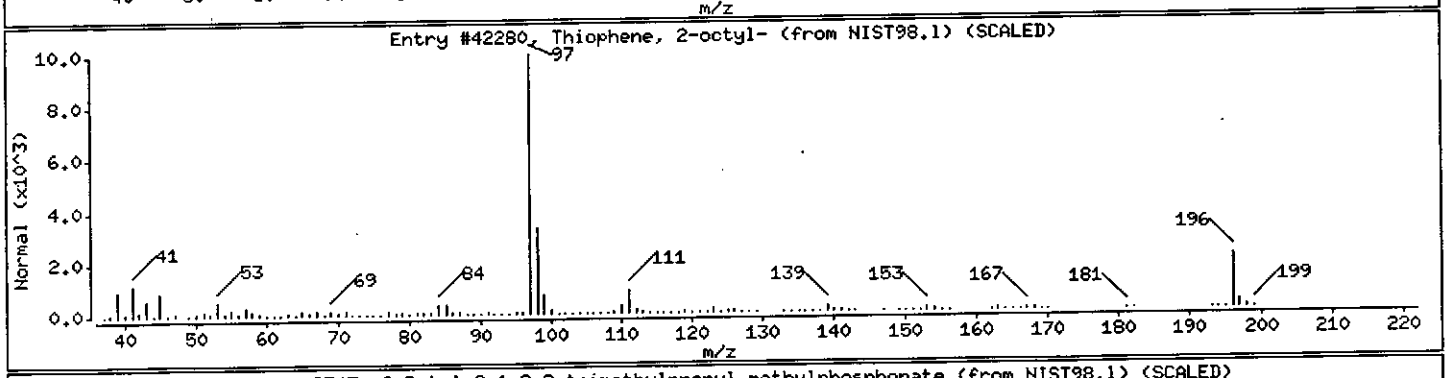
Column phase: J&W DB-5.625

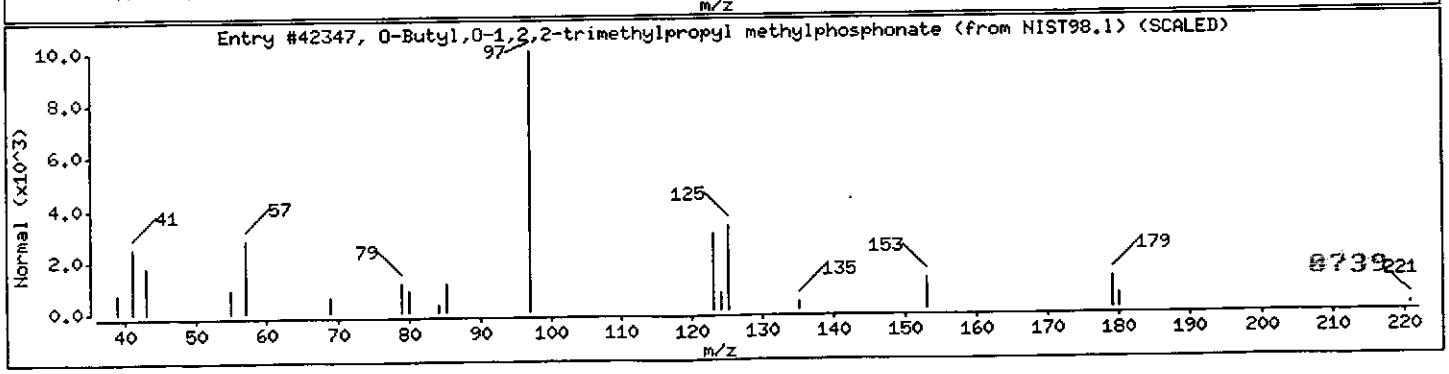
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Mesityl oxide semicarbazone	3780-62-9	NIST98.1	42397	38	C7H13N3O	155
Thiophene, 2-octyl-	880-36-4	NIST98.1	42280	27	C12H20S	196
O-Butyl,O-1,2,2-trimethylpropyl methylph	1000145-08-1	NIST98.1	42347	17	C11H25O3P	236









0739

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;

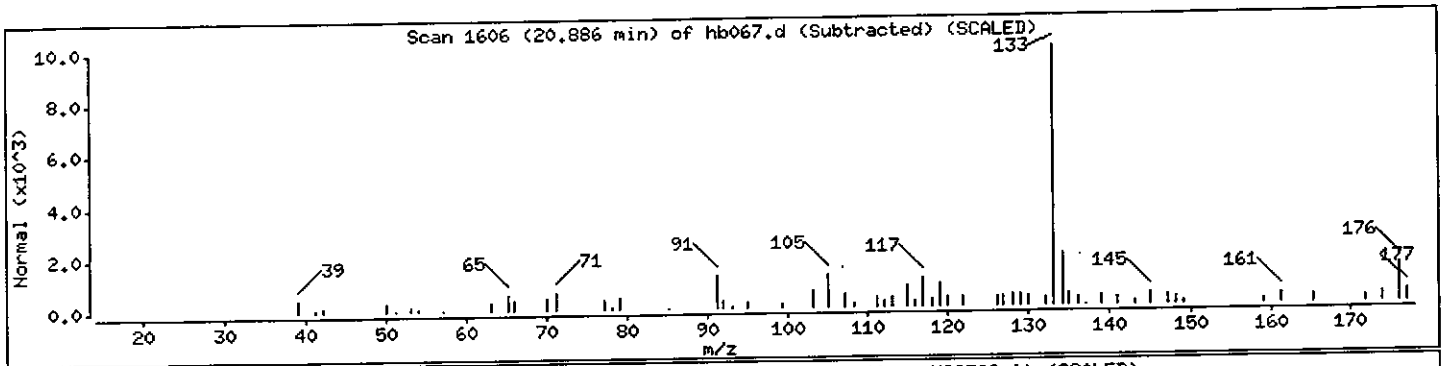
Volume Injected (uL): 2.0

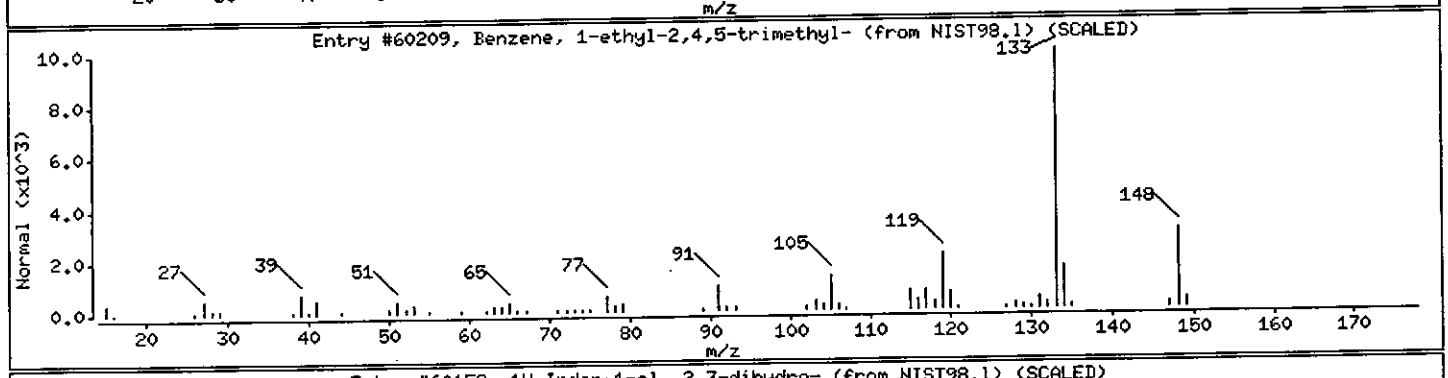
Operator: lmh00956

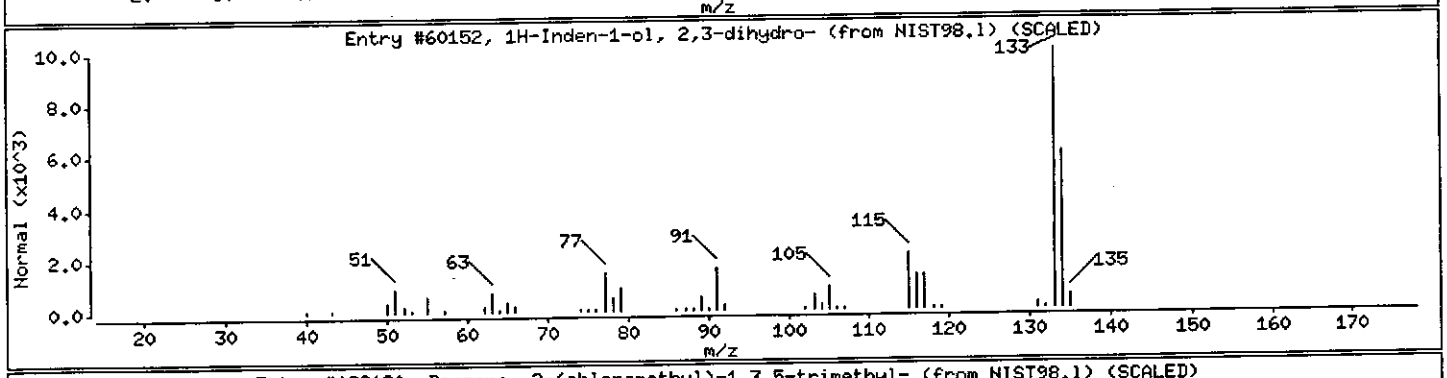
Column phase: J&W DB-5.625

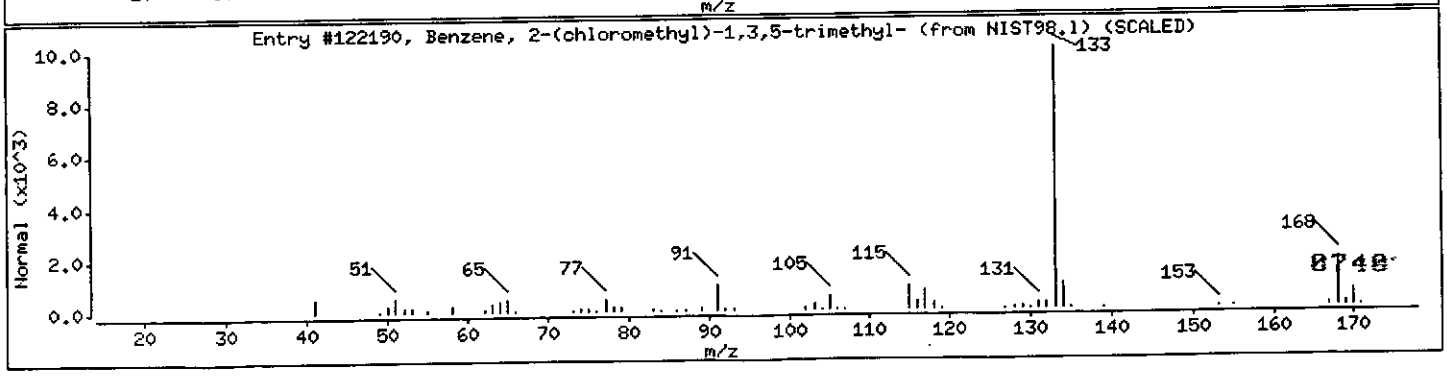
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NIST98.1	60209	59	C11H16	148
1H-Inden-1-ol, 2,3-dihydro-	6351-10-6	NIST98.1	60152	47	C9H10O	134
Benzene, 2-(chloromethyl)-1,3,5-trimethy	1585-16-6	NIST98.1	122190	40	C10H13Cl	168









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;

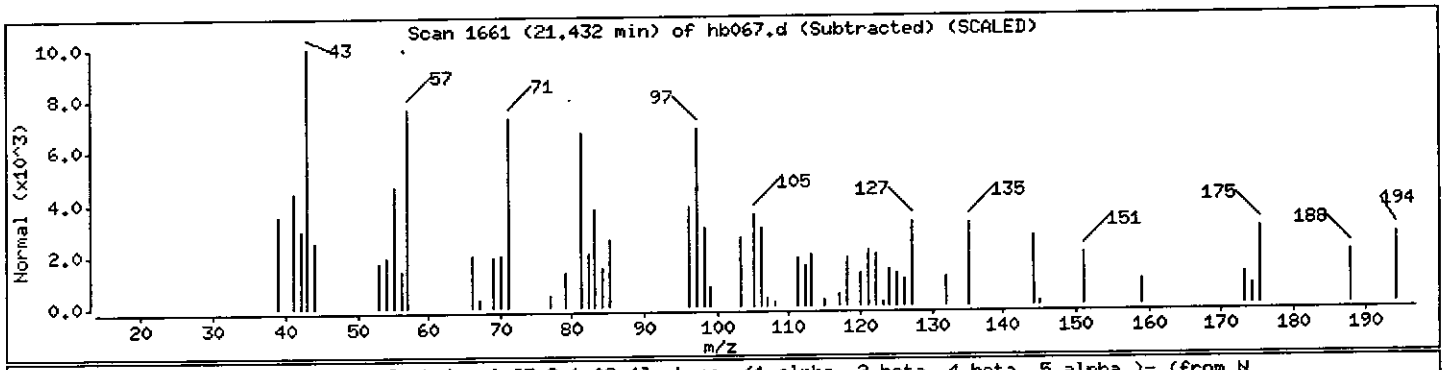
Volume Injected (uL): 2.0

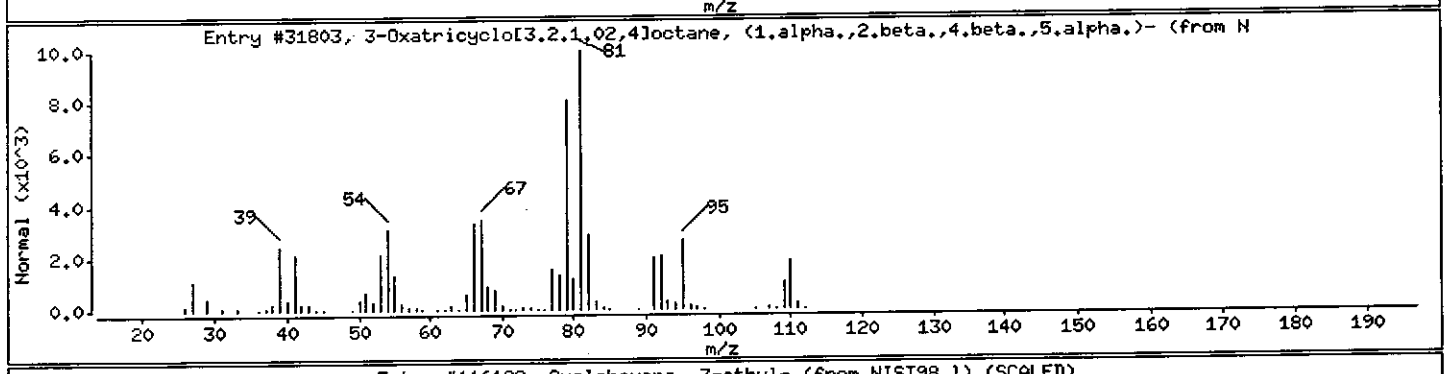
Operator: lmh00956

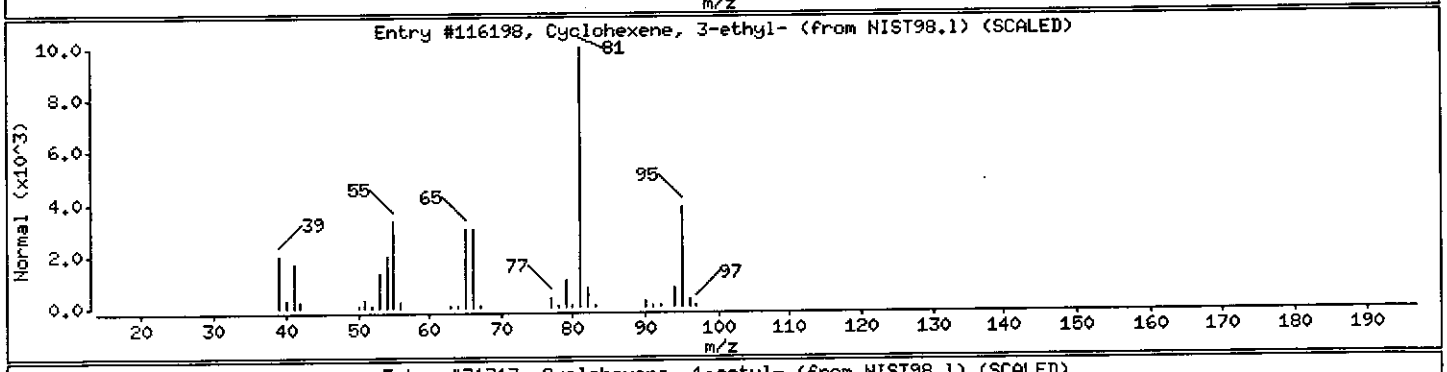
Column phase: J&W DB-5.625

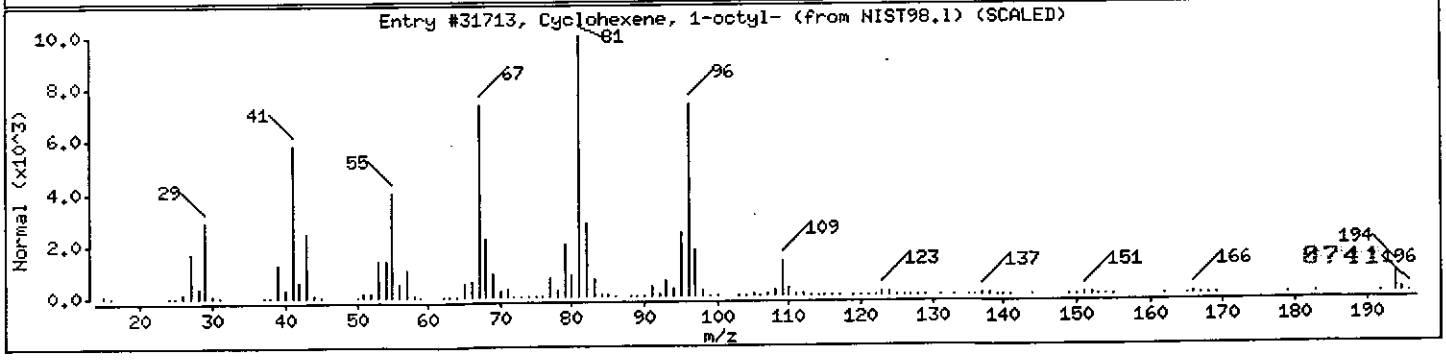
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Oxatricyclo[3.2.1.02,4]octane, (1.alph	3146-39-2	NIST98.1	31803	10	C7H10O	110
Cyclohexene, 3-ethyl-	2808-71-1	NIST98.1	116198	10	C8H14	110
Cyclohexene, 1-octyl-	15232-87-8	NIST98.1	31713	10	C14H26	194









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;

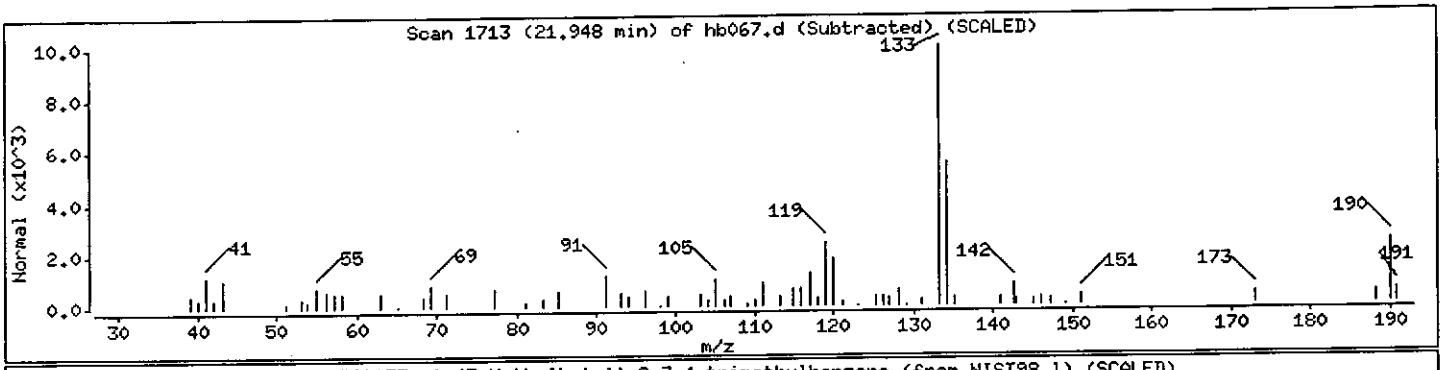
Volume Injected (uL): 2.0

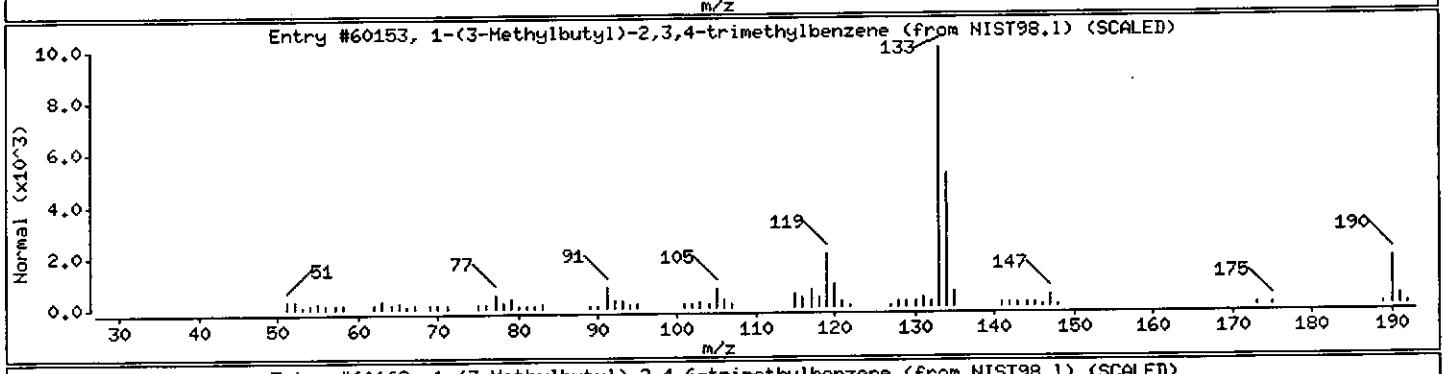
Operator: lmh00956

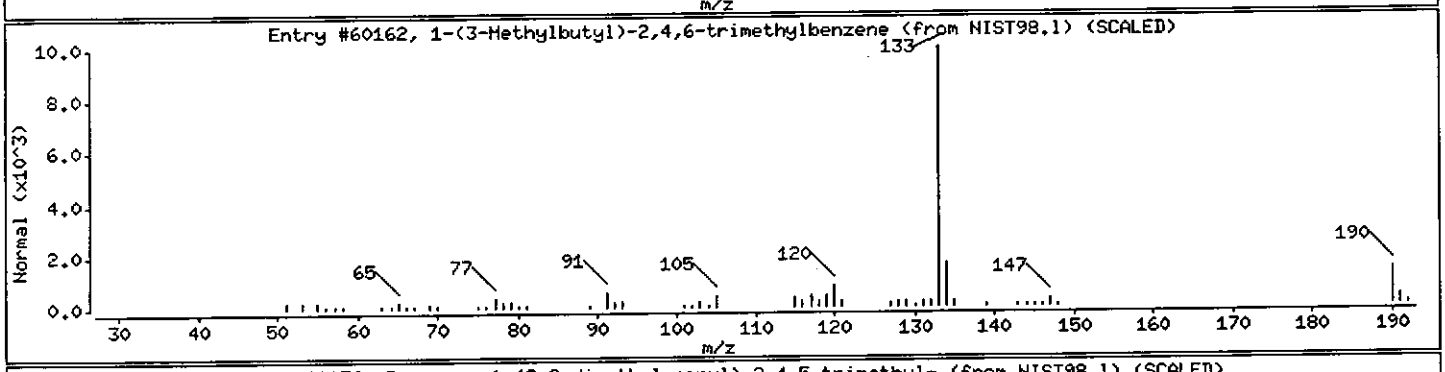
Column phase: J&W DB-5.625

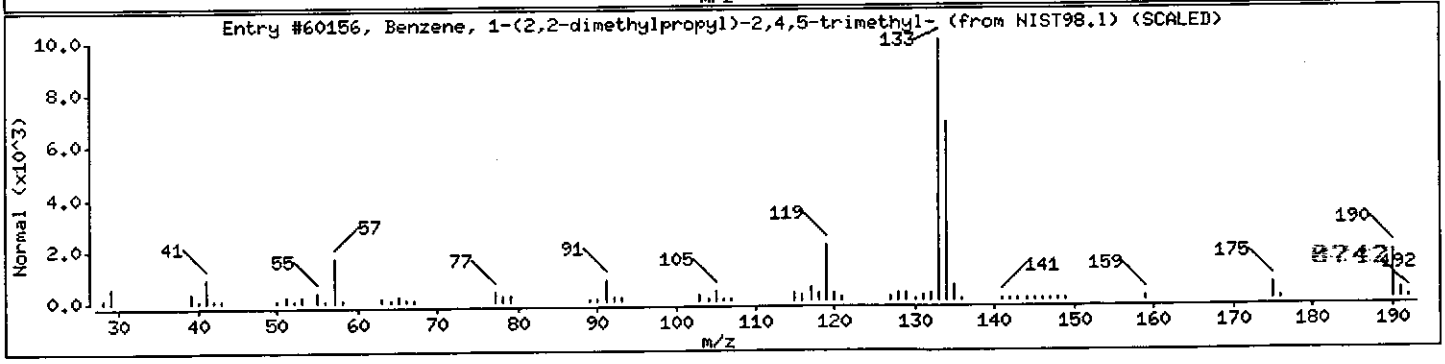
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-(3-Methylbutyl)-2,3,4-trimethylbenzene	1000245-50-4	NIST98.1	60153	80	C14H22	190
1-(3-Methylbutyl)-2,4,6-trimethylbenzene	1000245-50-5	NIST98.1	60162	70	C14H22	190
Benzene, 1-(2,2-dimethylpropyl)-2,4,5-tr	56666-87-6	NIST98.1	60156	59	C14H22	190









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;

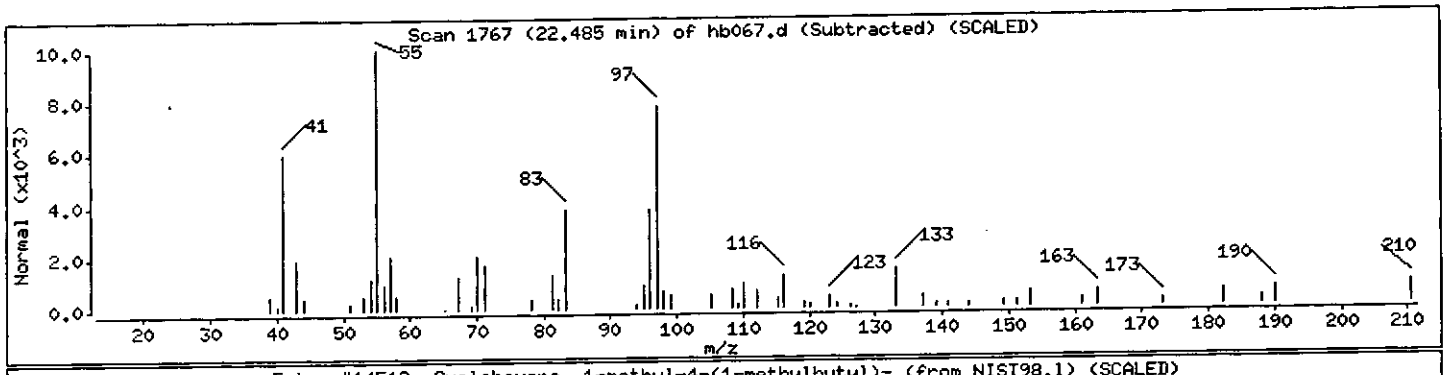
Volume Injected (uL): 2.0

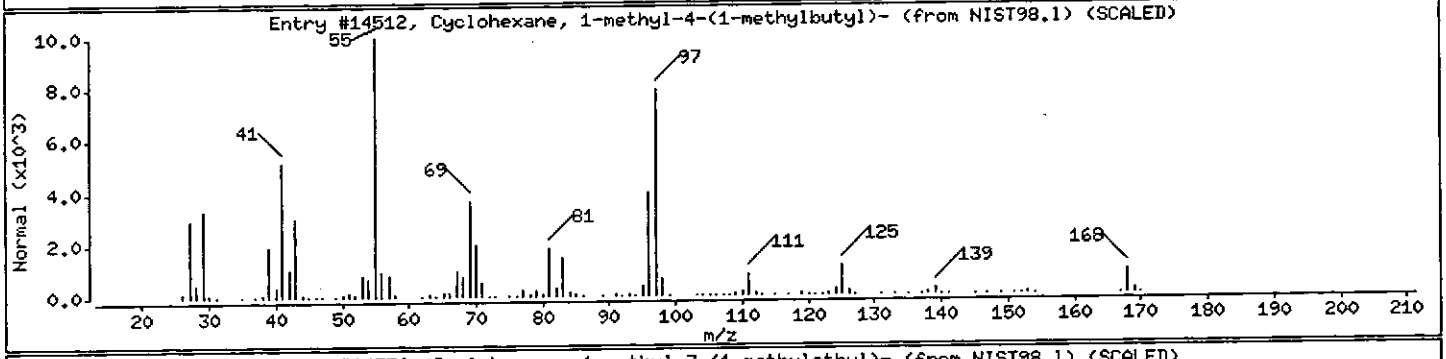
Operator: lmh00956

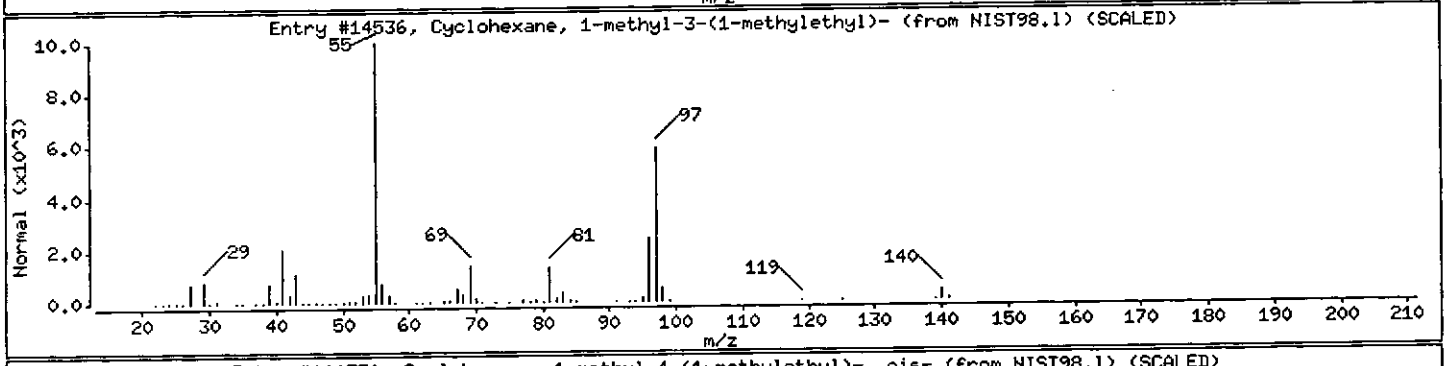
Column phase: J&W DB-5.625

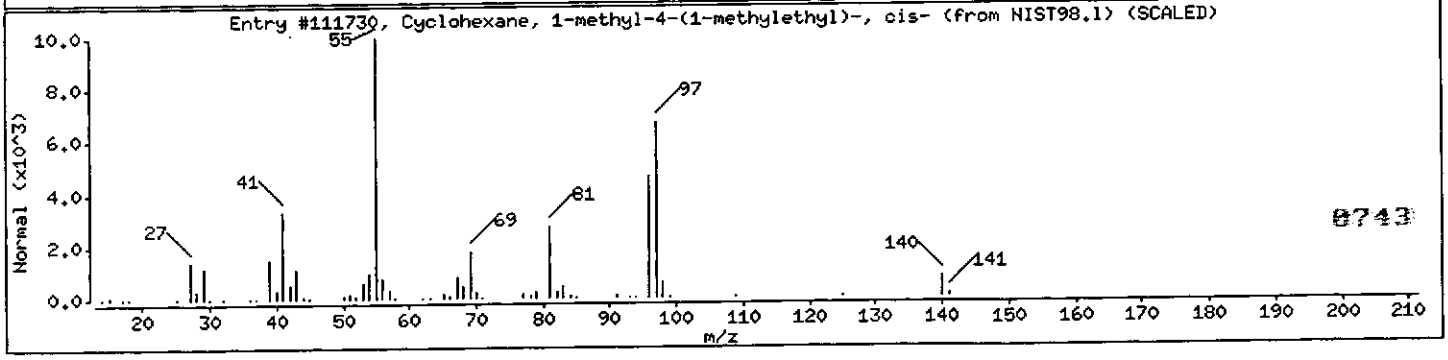
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1-methyl-4-(1-methylbutyl)-	54411-00-6	NIST98.1	14512	50	C12H24	168
Cyclohexane, 1-methyl-3-(1-methylethyl)-	16580-24-8	NIST98.1	14536	47	C10H20	140
Cyclohexane, 1-methyl-4-(1-methylethyl)-	6069-98-3	NIST98.1	111730	47	C10H20	140









0743

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;

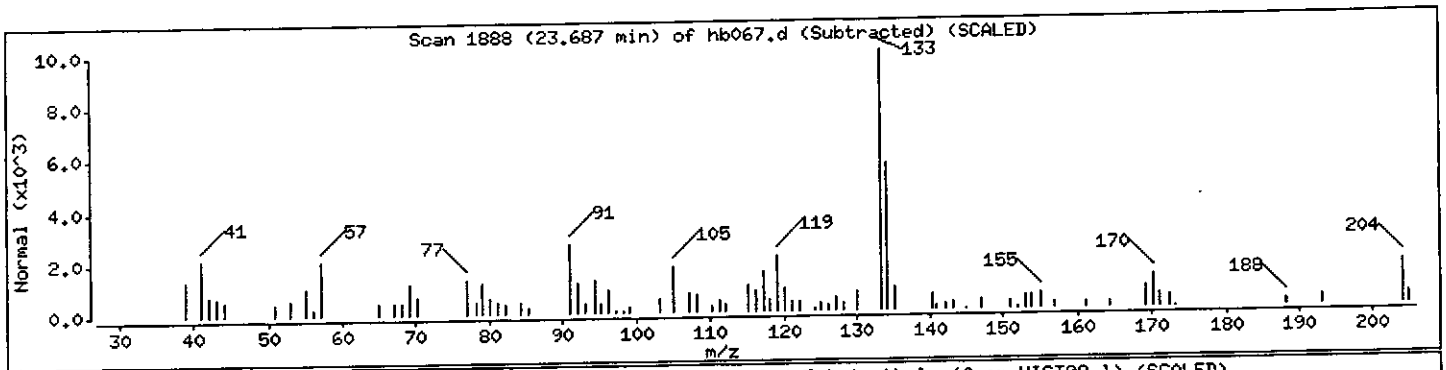
Volume Injected (uL): 2.0

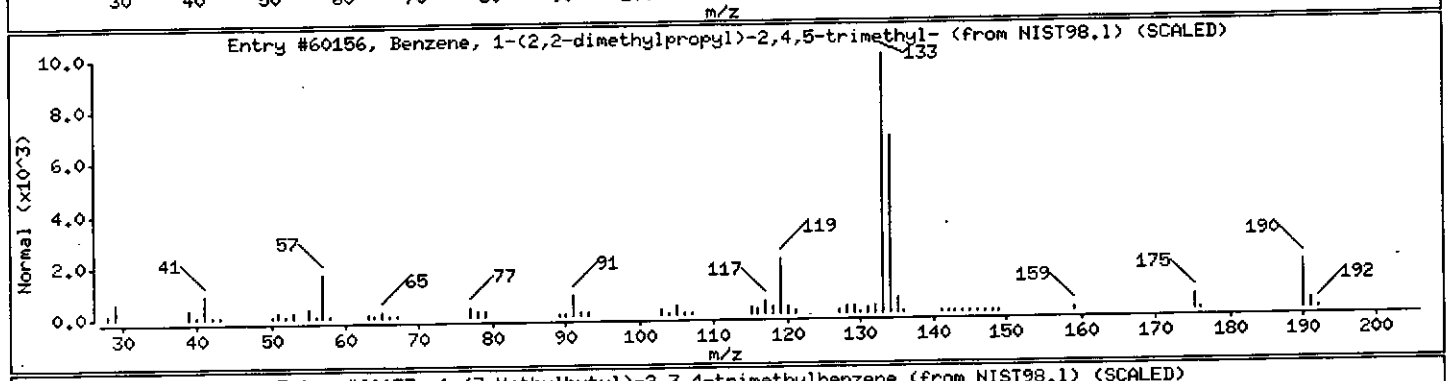
Operator: lmh00956

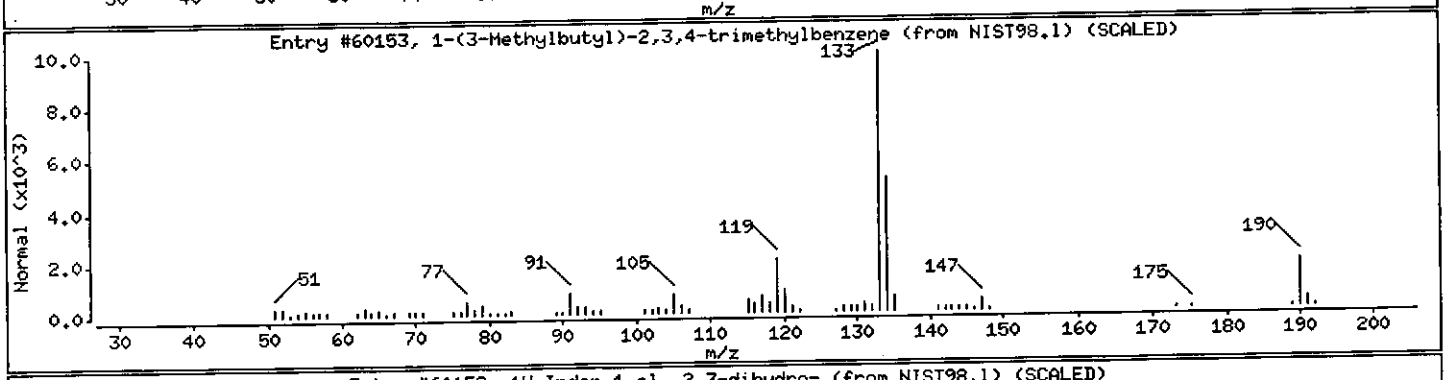
Column phase: J&W DB-5.625

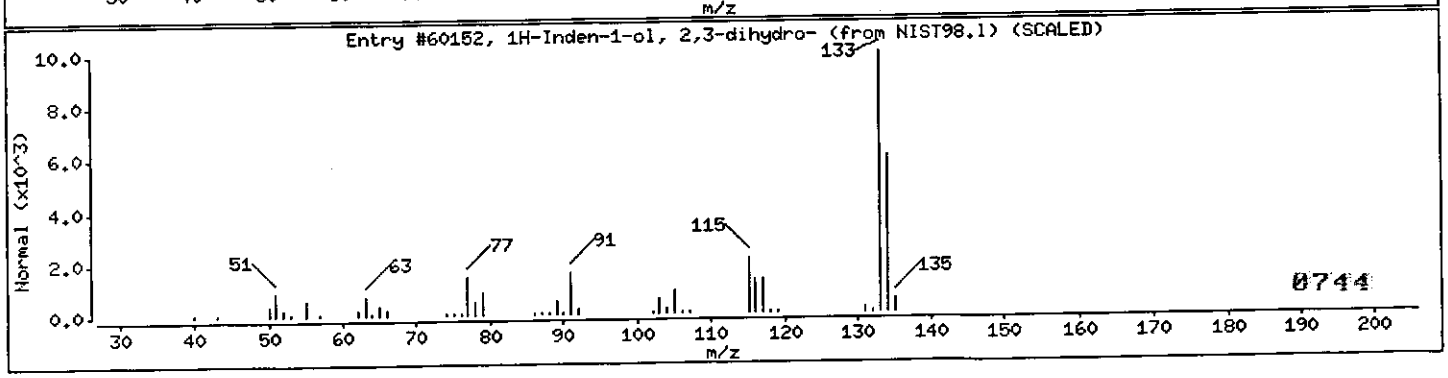
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-(2,2-dimethylpropyl)-2,4,5-tr	56666-87-6	NIST98.1	60156	53	C14H22	190
1-(3-Methylbutyl)-2,3,4-trimethylbenzene	1000245-50-4	NIST98.1	60153	53	C14H22	190
1H-Inden-1-ol, 2,3-dihydro-	6351-10-6	NIST98.1	60152	52	C9H10O	134









0744

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;

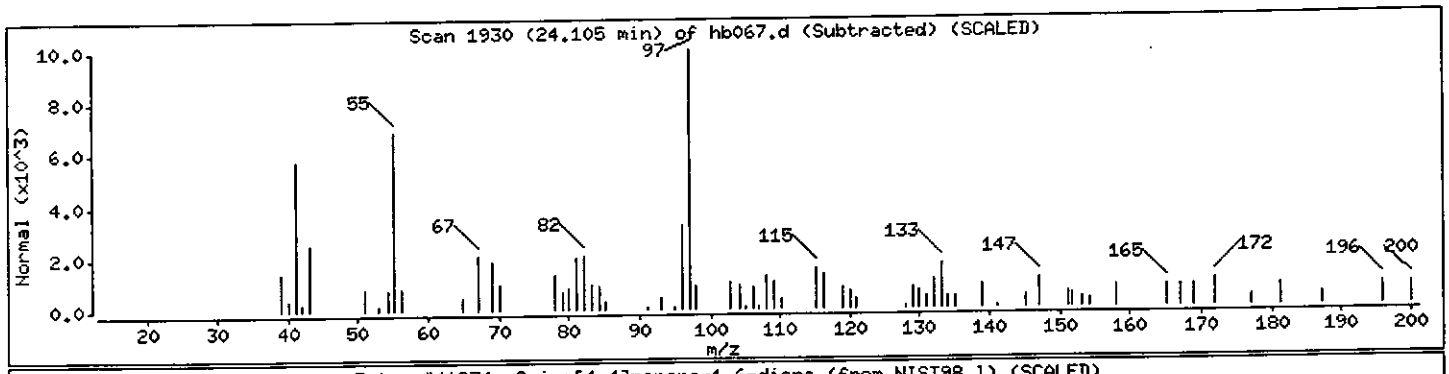
Volume Injected (uL): 2.0

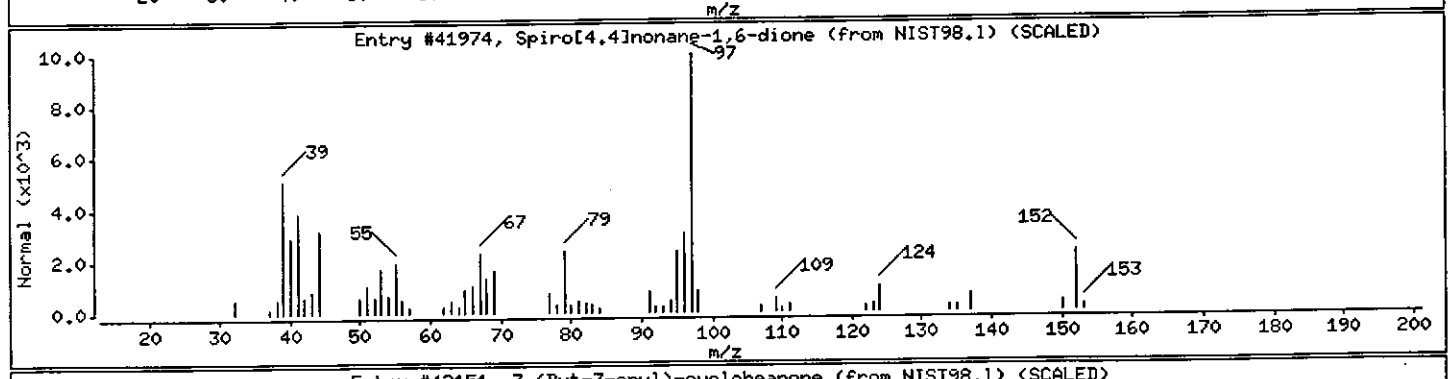
Operator: lmh00956

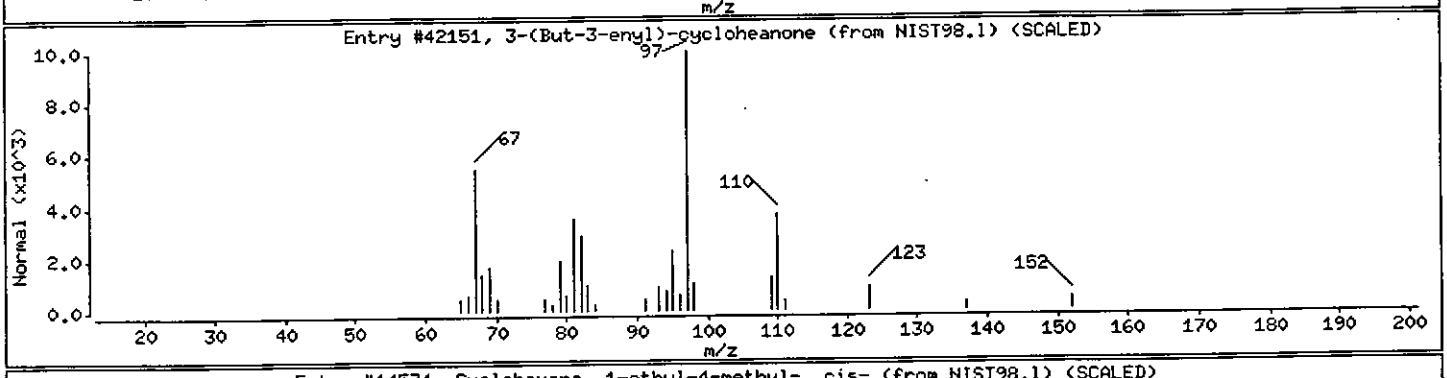
Column phase: J&W DB-5.625

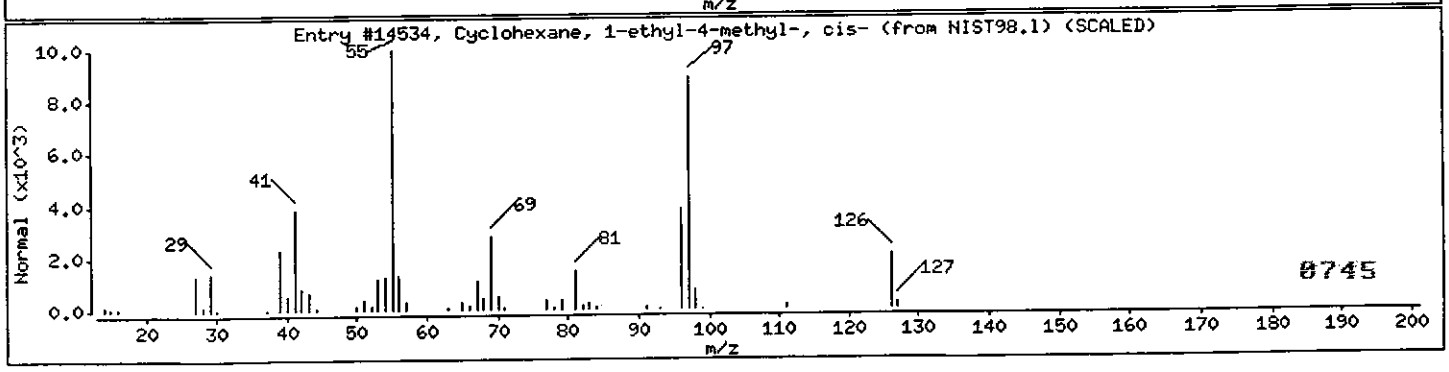
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Spiro[4.4]nonane-1,6-dione	27723-43-9	NIST98.1	41974	47	C9H12O2	152
3-(But-3-enyl)-cycloheanone	1000145-07-5	NIST98.1	42151	46	C10H16O	152
Cyclohexane, 1-ethyl-4-methyl-, cis-	4926-78-7	NIST98.1	14534	43	C9H18	126









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;

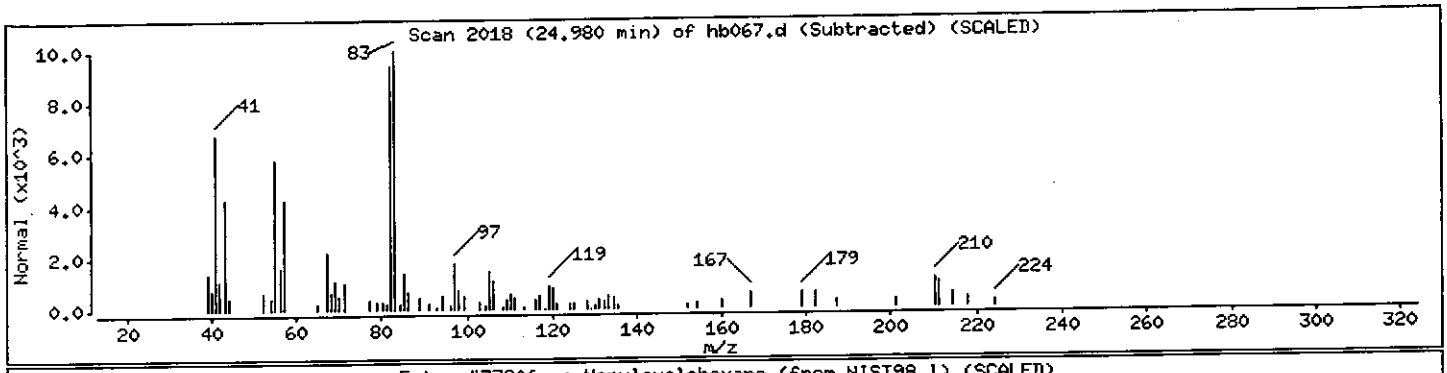
Volume Injected (uL): 2.0

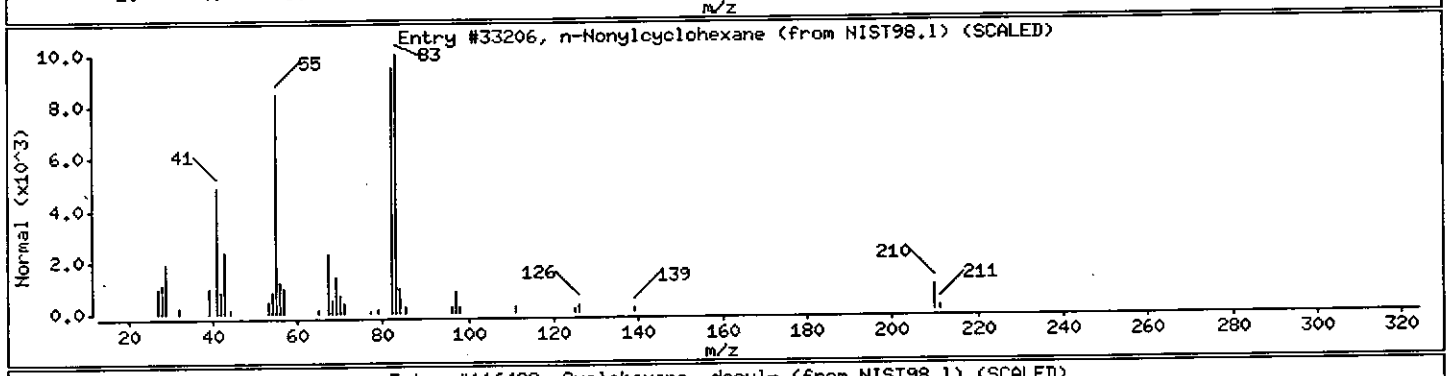
Operator: lmh00956

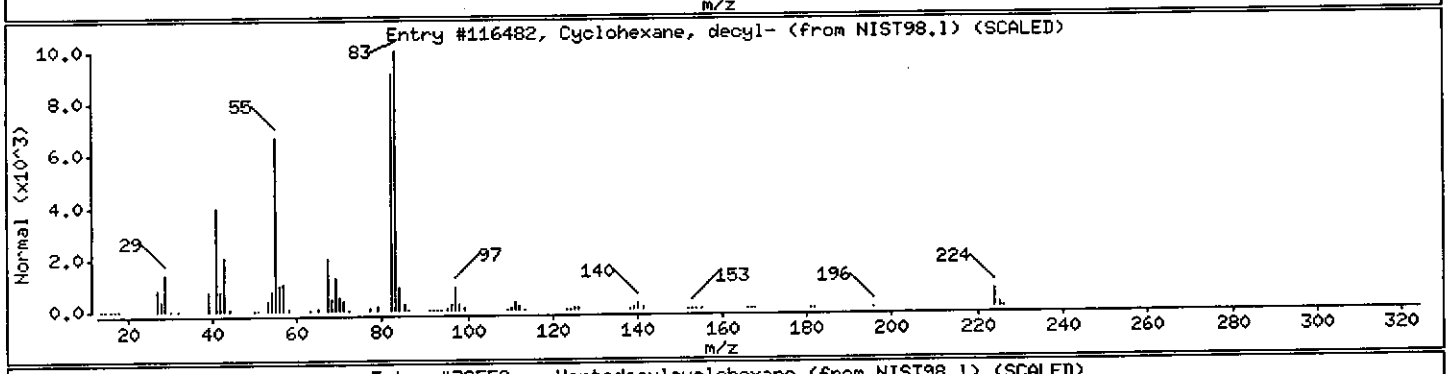
Column phase: J&W DB-5.625

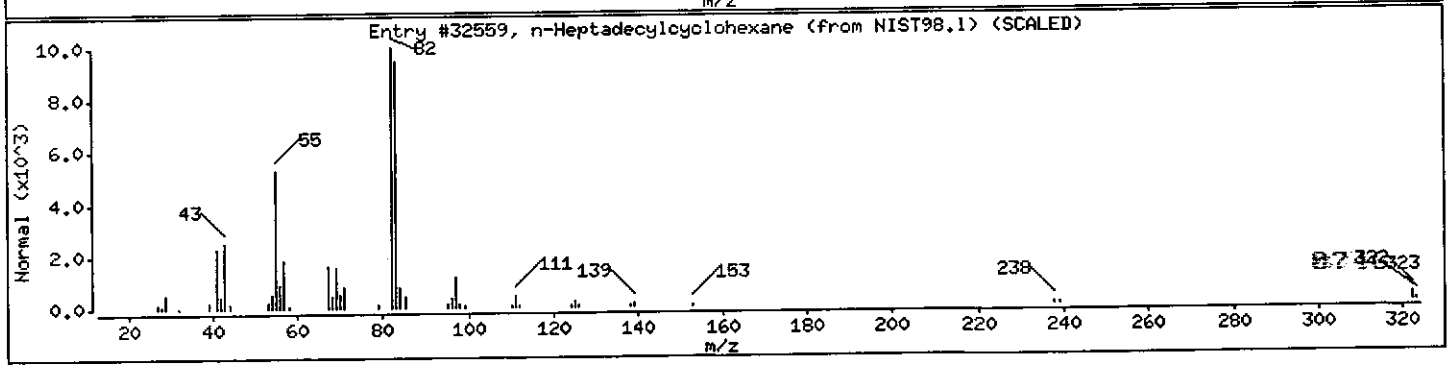
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
n-Nonylcyclohexane	2883-02-5	NIST98.1	33206	83	C15H30	210
Cyclohexane, decyl-	1795-16-0	NIST98.1	116482	64	C16H32	224
n-Heptadecylcyclohexane	19781-73-8	NIST98.1	32559	64	C23H46	322









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

Date : 07-FEB-2006 04:13

Client ID: 6028-

Sample Info: 6028-;4692570;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

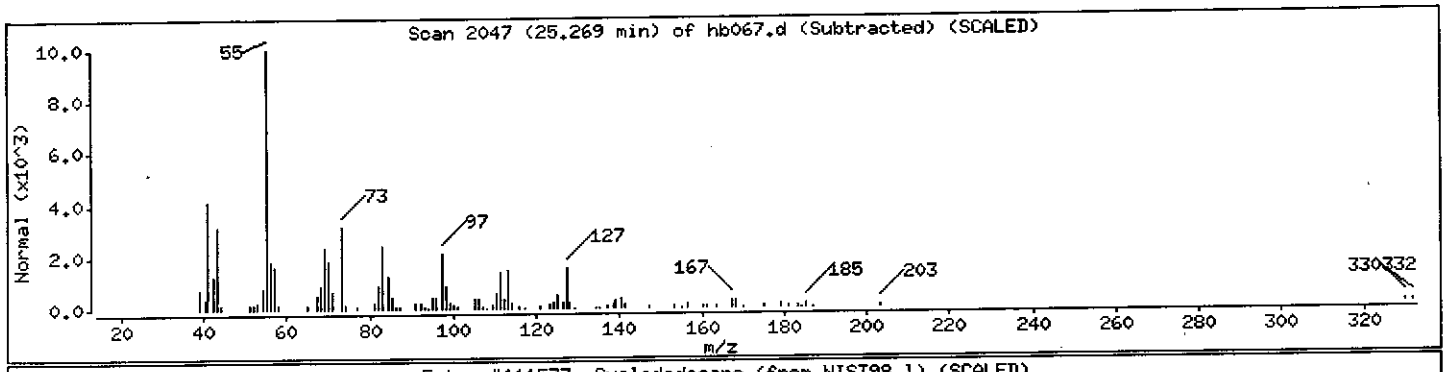
Instrument: HP04629.i

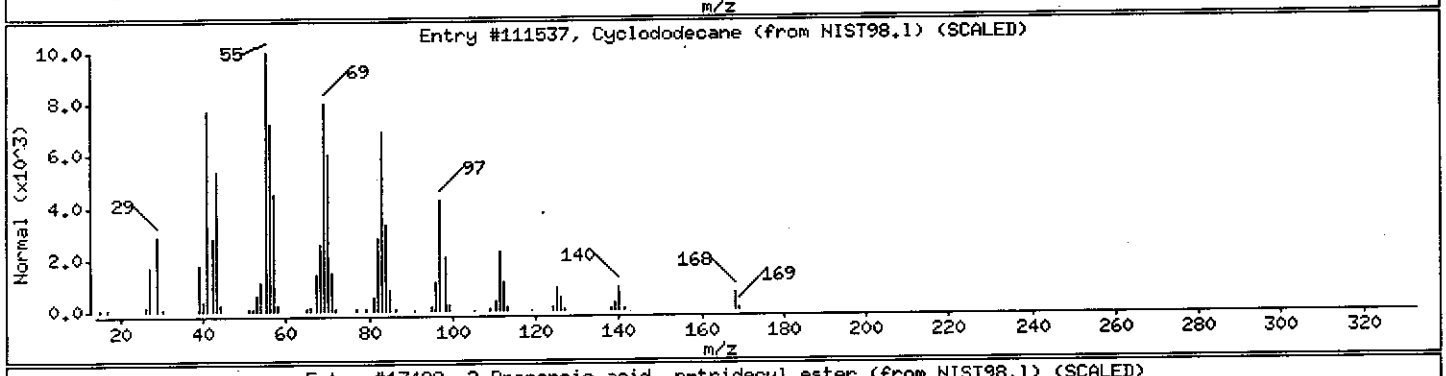
Operator: lmh00956

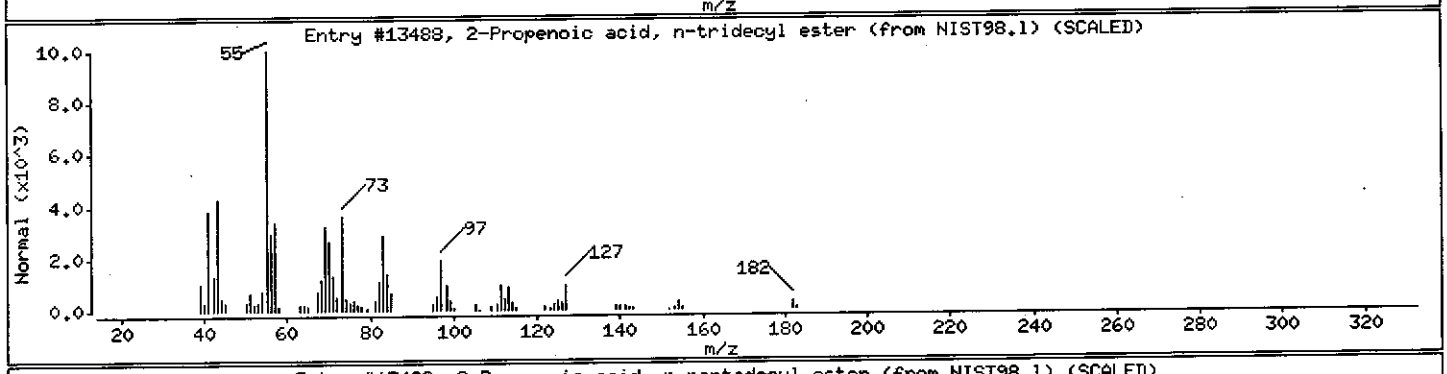
Column diameter: 0.25

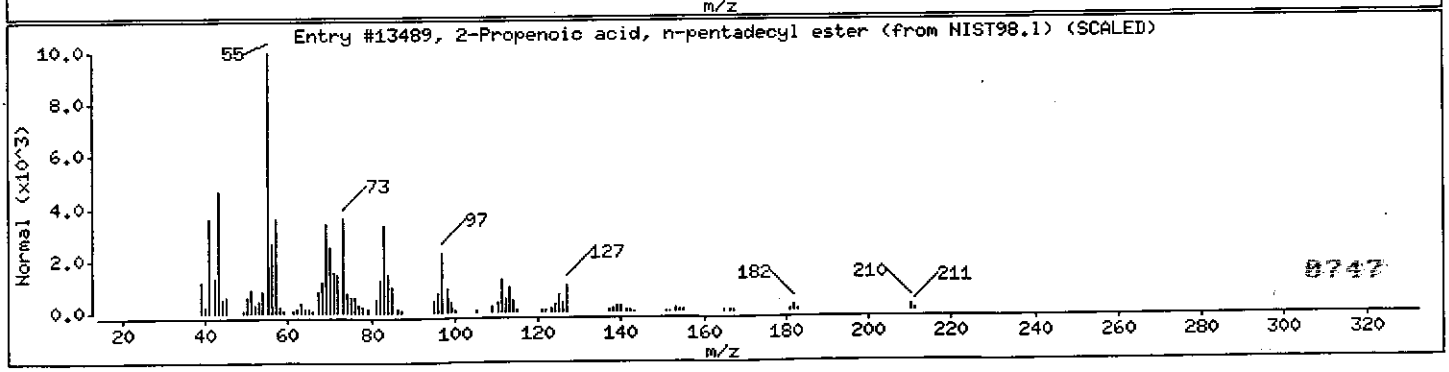
(B) LMN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NIST98.1	111537	83	C12H24	168
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	58	C16H3002	254
2-Propenoic acid, n-pentadecyl ester	1000245-64-0	NIST98.1	13489	52	C18H3402	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;

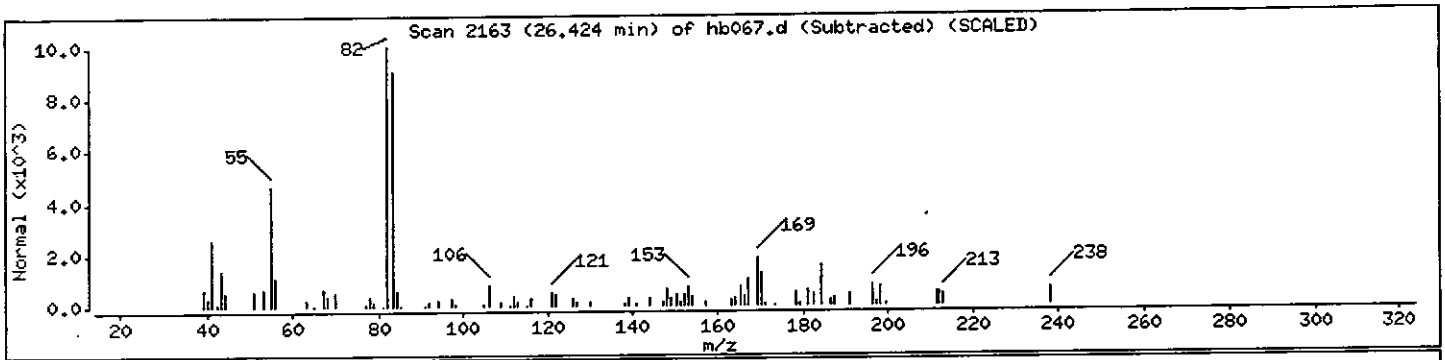
Volume Injected (uL): 2.0

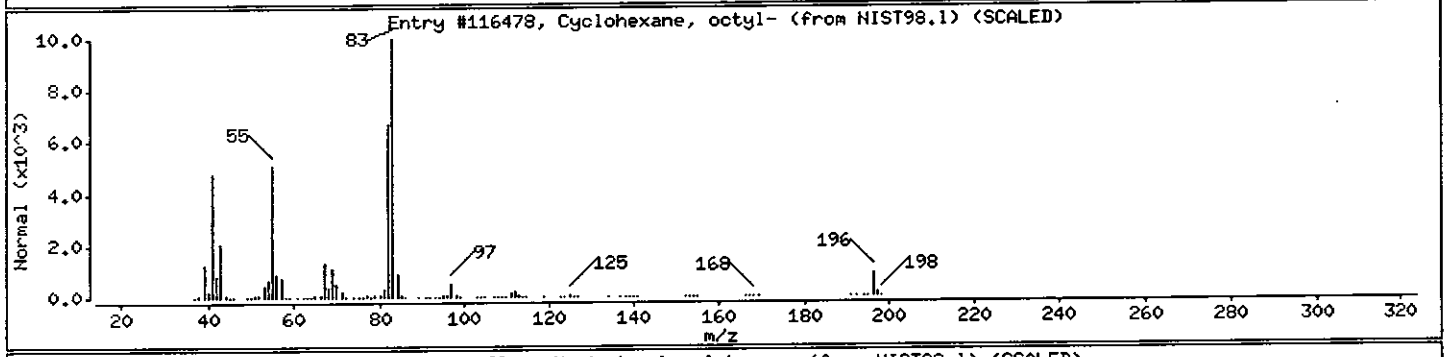
Operator: lmh00956

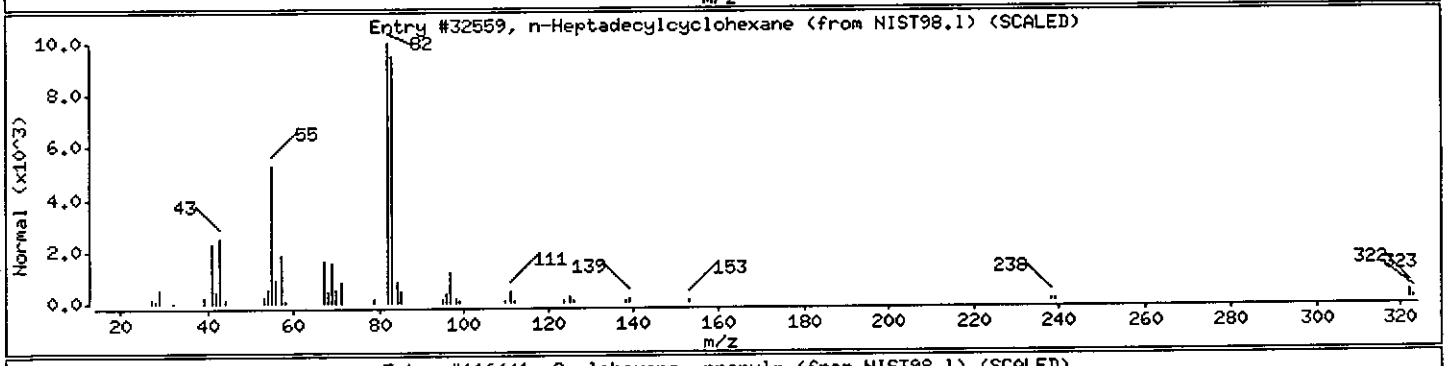
Column phase: J&W DB-5.625

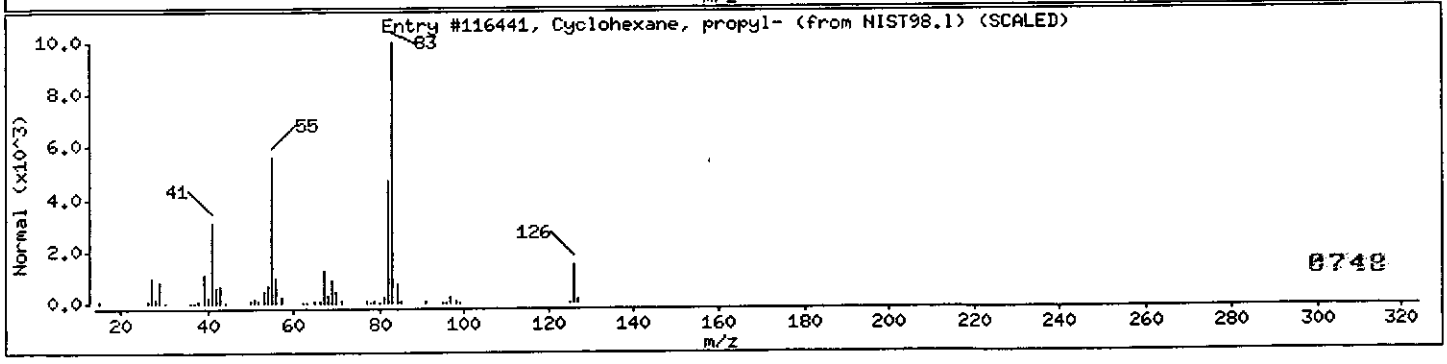
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, octyl-	1795-15-9	NIST98.1	116478	43	C14H28	196
n-Heptadecylcyclohexane	19781-73-8	NIST98.1	32559	42	C23H46	322
Cyclohexane, propyl-	1678-92-8	NIST98.1	116441	37	C9H18	126









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;

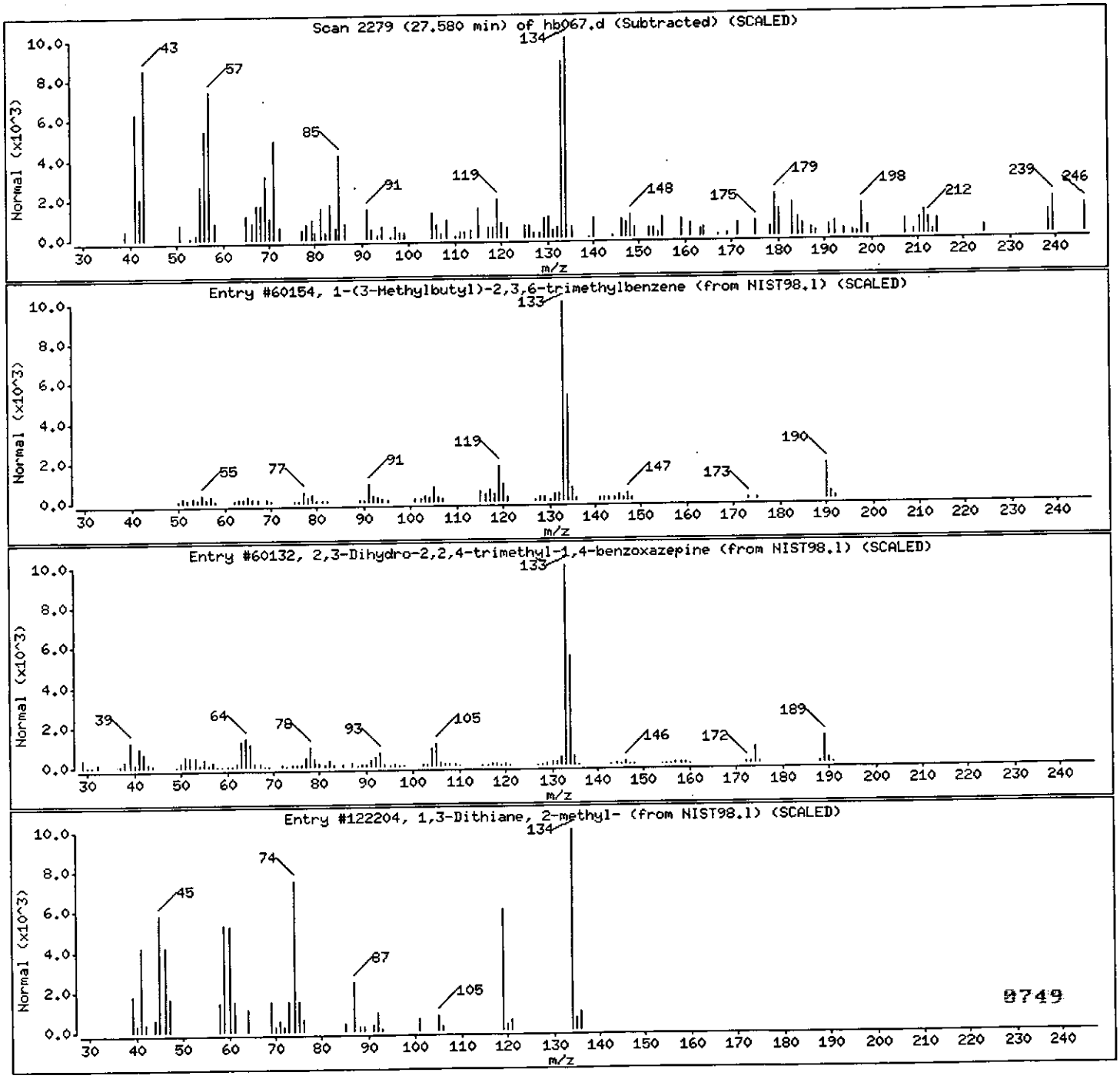
Volume Injected (uL): 2.0

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						
1-(3-Methylbutyl)-2,3,6-trimethylbenzene	1000245-50-6	NIST98.1	60154	27	C14H22	190
2,3-Dihydro-2,2,4-trimethyl-1,4-benzoxaz	1000223-24-2	NIST98.1	60132	22	C12H15NO	189
1,3-Dithiane, 2-methyl-	6007-26-7	NIST98.1	122204	15	C5H10S2	134



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;

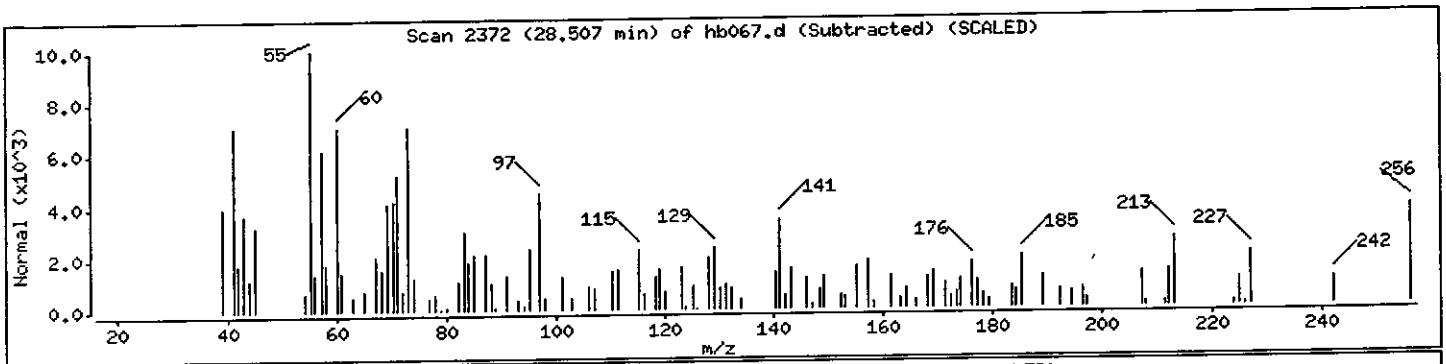
Volume Injected (uL): 2.0

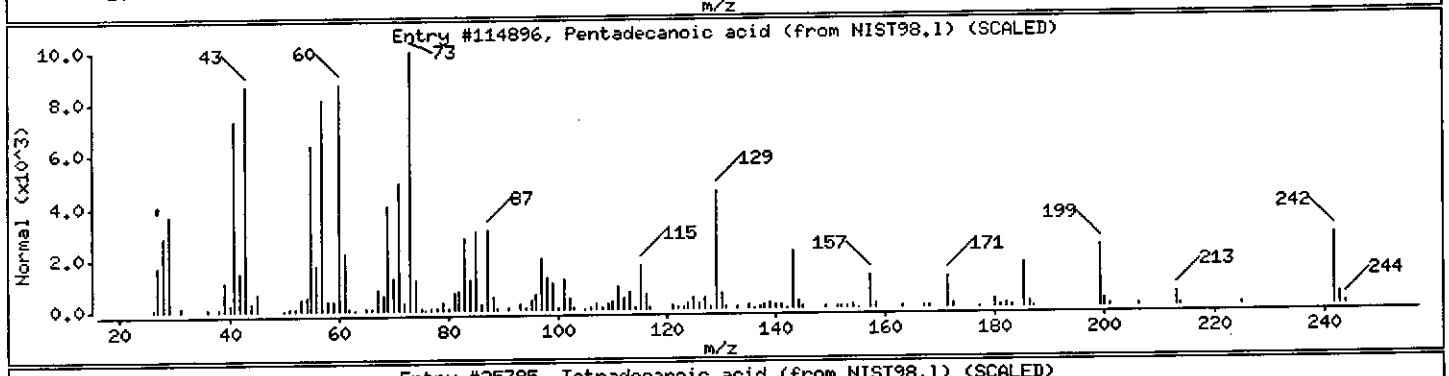
Operator: lmh00956

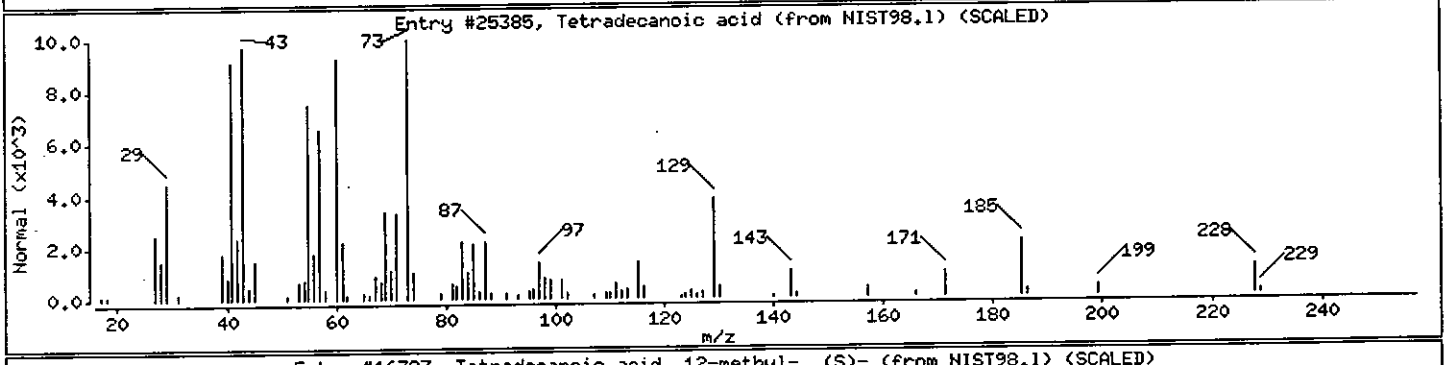
Column phase: J&W DB-5.625

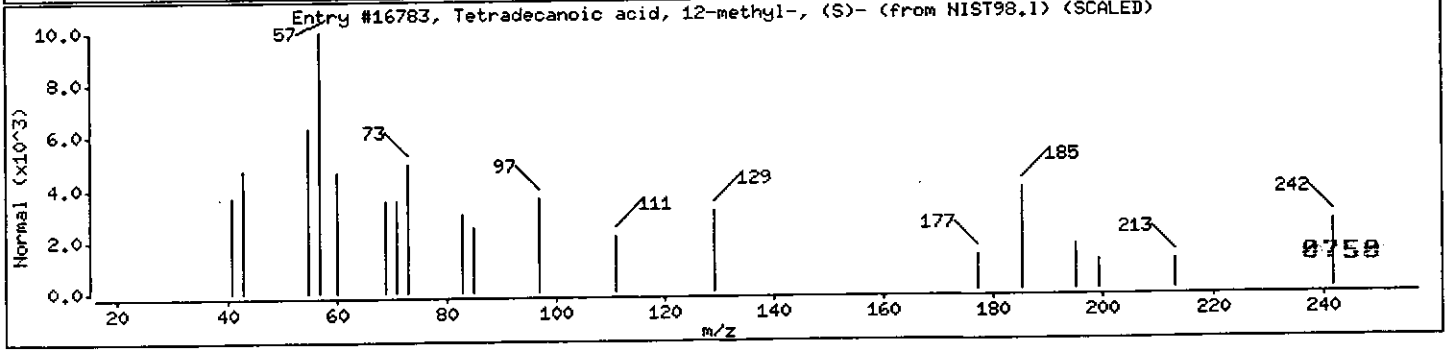
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentadecanoic acid	1002-84-2	NIST98.1	114896	43	C15H30O2	242
Tetradecanoic acid	544-63-8	NIST98.1	25385	22	C14H28O2	228
Tetradecanoic acid, 12-methyl-, (S)-	5746-58-7	NIST98.1	16783	22	C15H30O2	242









0758

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;

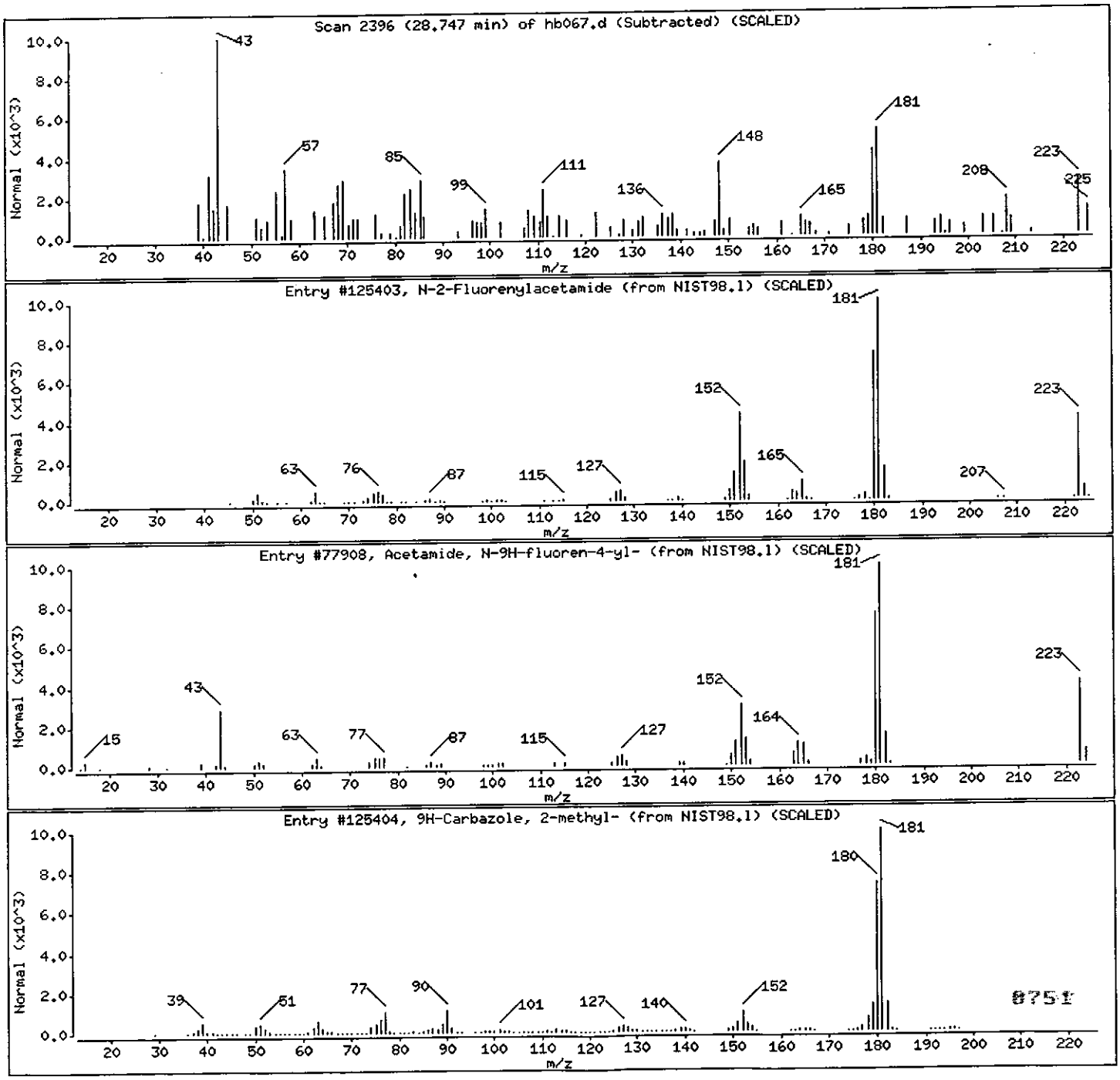
Volume Injected (uL): 2.0

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						
N-2-Fluorenylacetamide	53-96-3	NIST98.1	125403	38	C15H13NO	223
Acetamide, N-9H-fluoren-4-yl-	28322-02-3	NIST98.1	77908	38	C15H13NO	223
9H-Carbazole, 2-methyl-	3652-91-3	NIST98.1	125404	30	C13H11N	181



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;

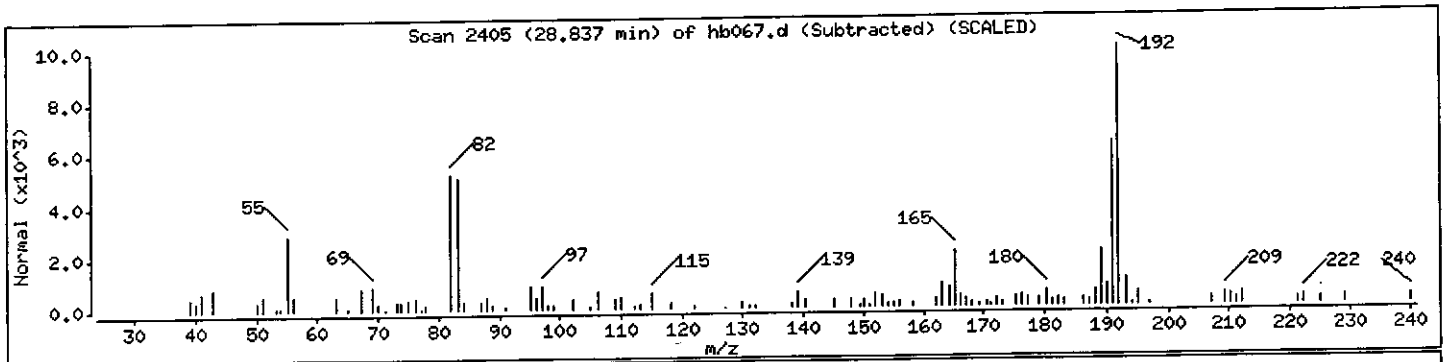
Volume Injected (uL): 2.0

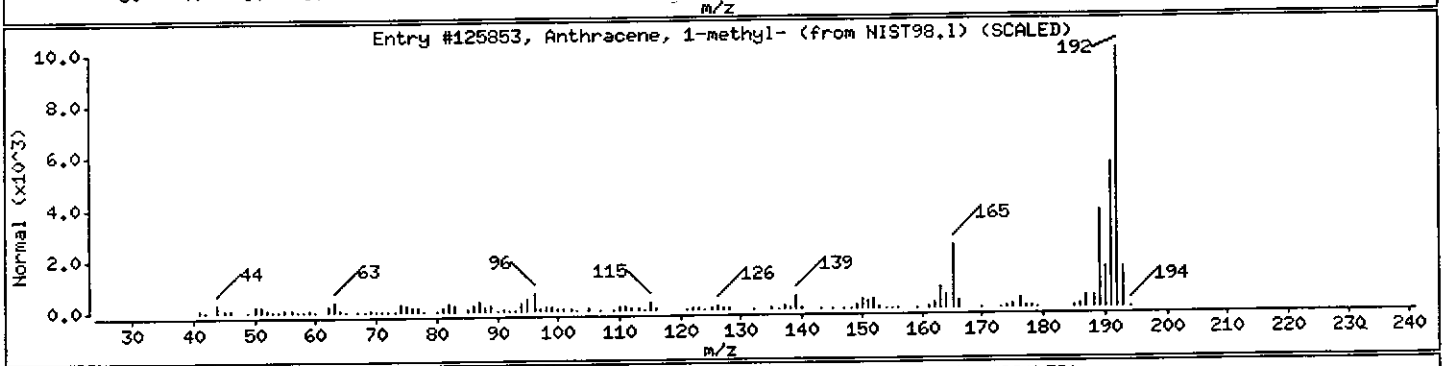
Operator: lmh00956

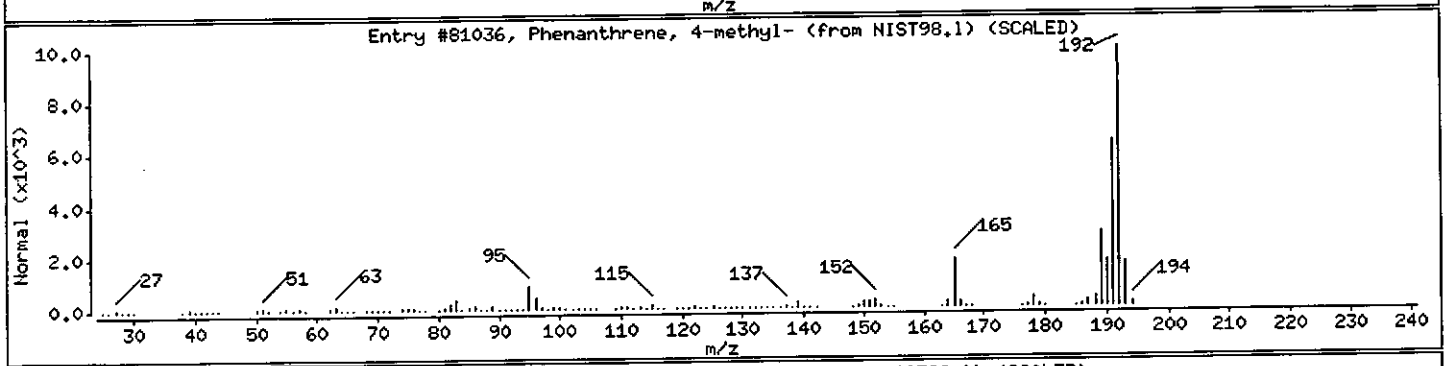
Column phase: J&W DB-5.625

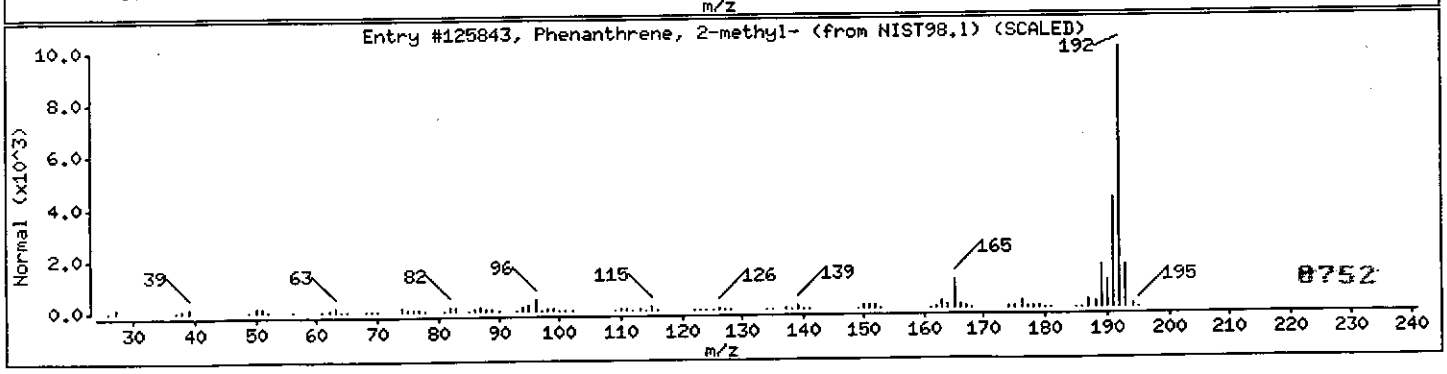
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Anthracene, 1-methyl-	610-48-0	NIST98.1	125853	86	C15H12	192
Phenanthrene, 4-methyl-	832-64-4	NIST98.1	81036	55	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NIST98.1	125843	50	C15H12	192









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;

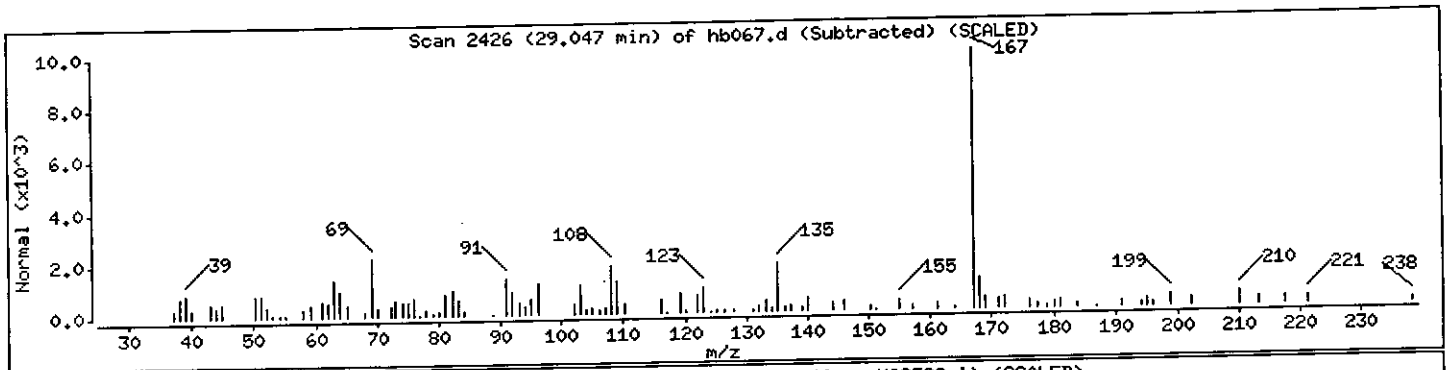
Volume Injected (uL): 2.0

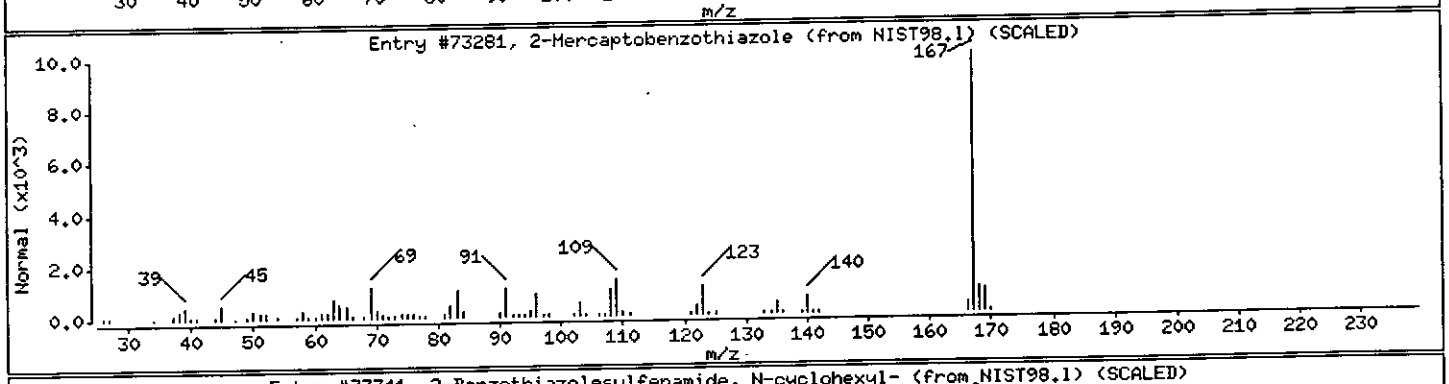
Operator: lmh00956

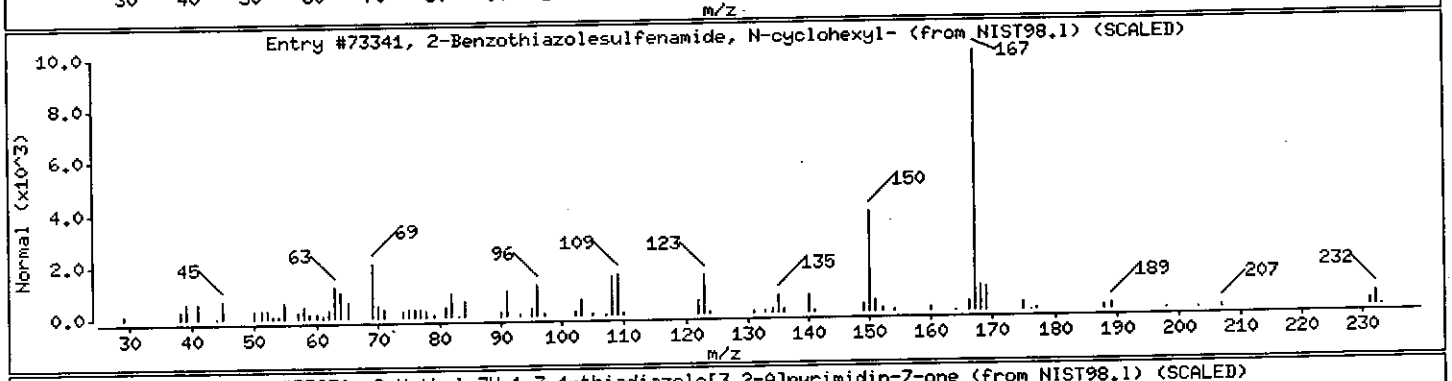
Column phase: J&W DB-5.625

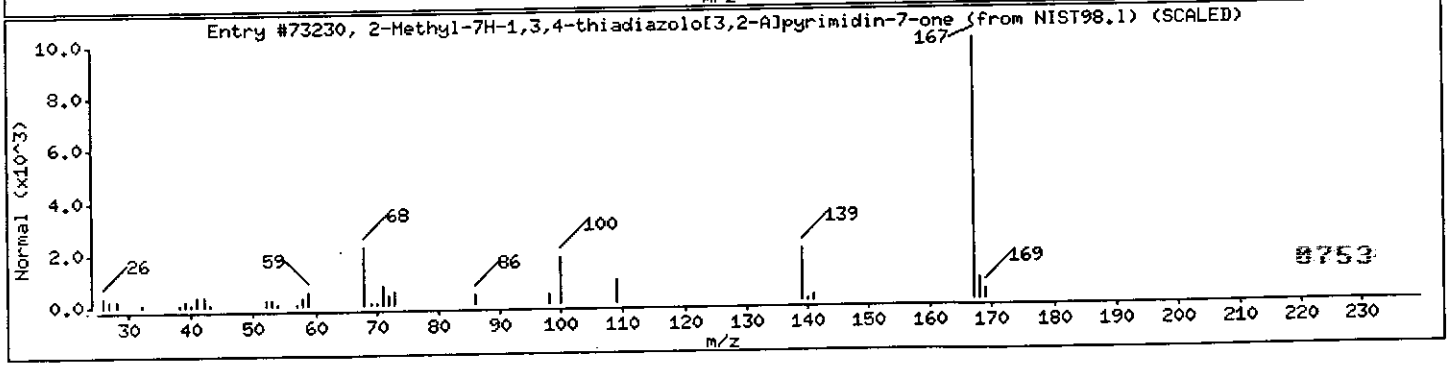
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Mercaptobenzothiazole	149-30-4	NIST98.1	73281	72	C7H5NS2	167
2-Benzothiazolesulfenamide, N-cyclohexyl	95-33-0	NIST98.1	73341	50	C13H16N2S2	264
2-Methyl-7H-1,3,4-thiadiazolo[3,2-A]pyri	56347-07-0	NIST98.1	73230	49	C6H5N3OS	167









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;

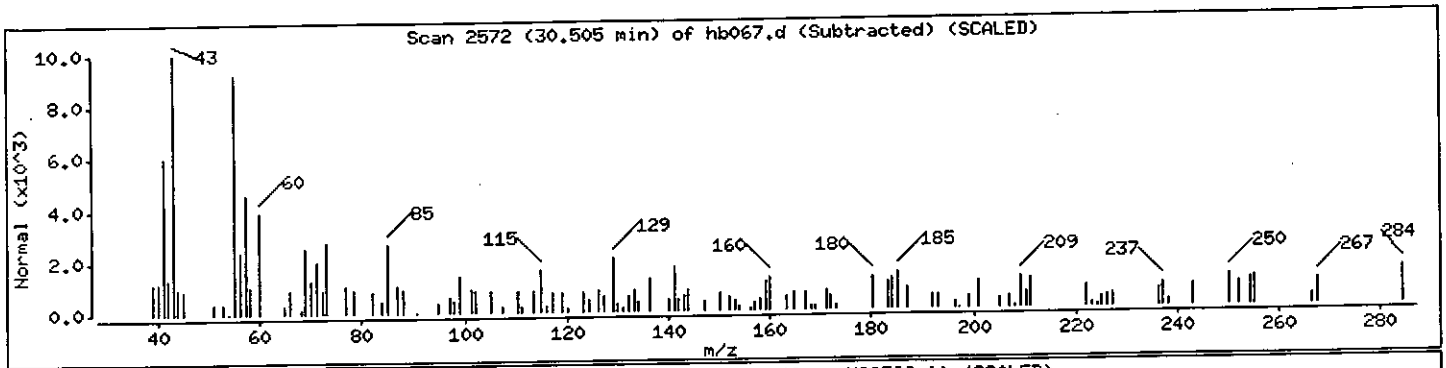
Volume Injected (uL): 2.0

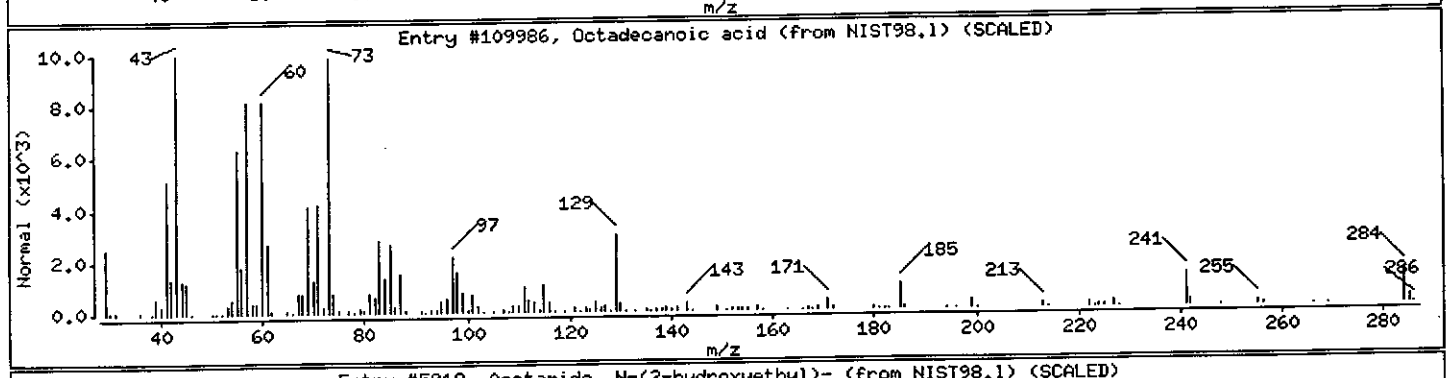
Operator: lmh00956

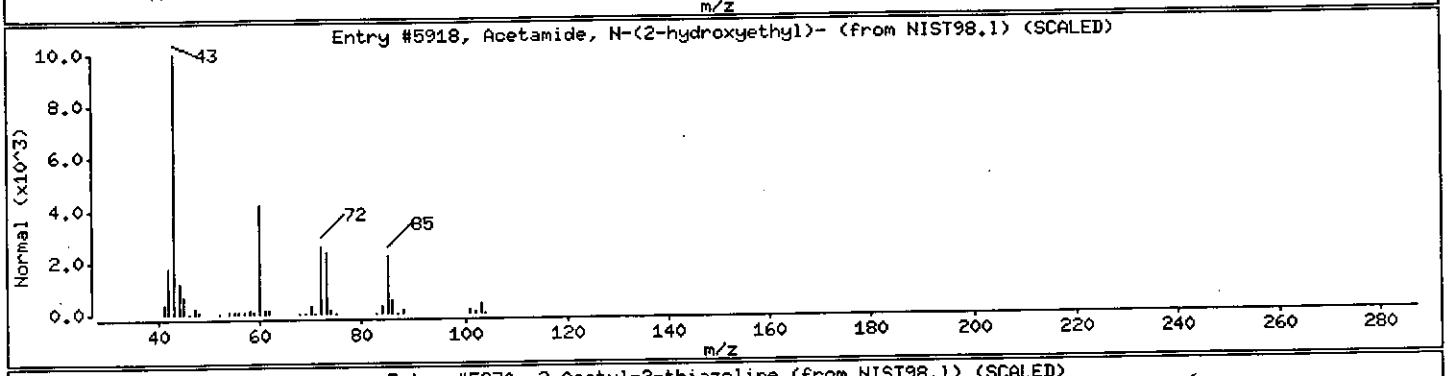
Column phase: J&W DB-5.625

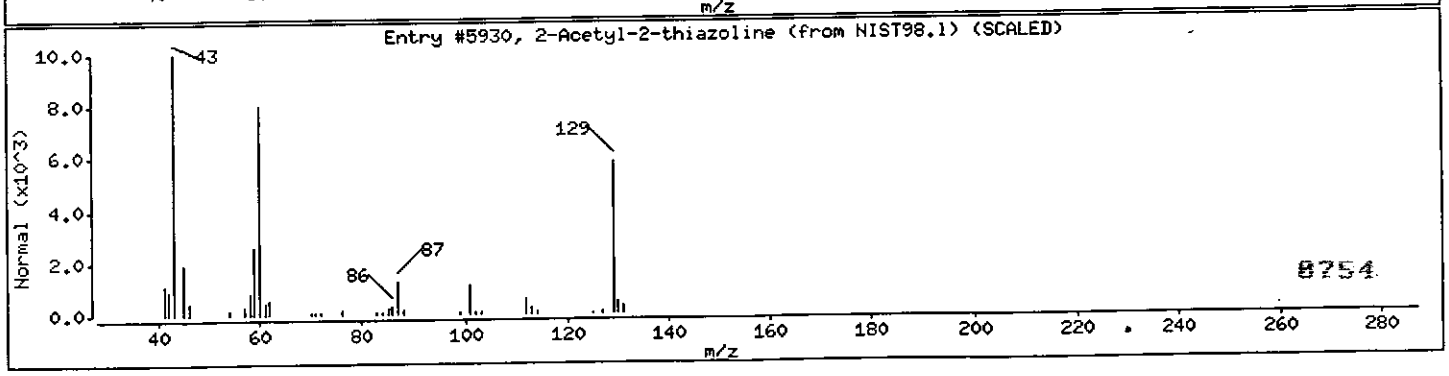
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid	57-11-4	NIST98.1	109986	35	C18H36O2	284
Acetamide, N-(2-hydroxyethyl)-	142-26-7	NIST98.1	5918	23	C4H9NO2	103
2-Acetyl-2-thiazoline	1000121-56-5	NIST98.1	5930	22	C5H7NOS	129









8754

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

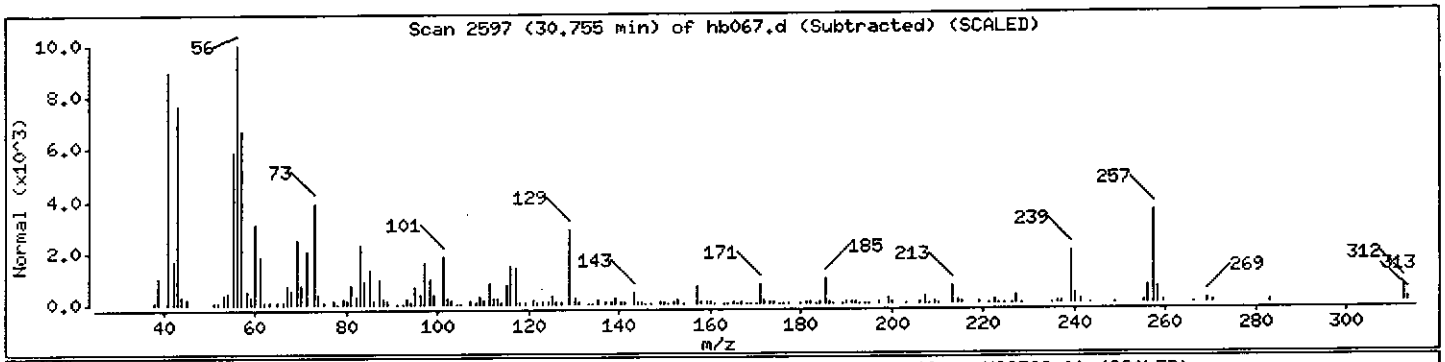
Operator: lmh00956

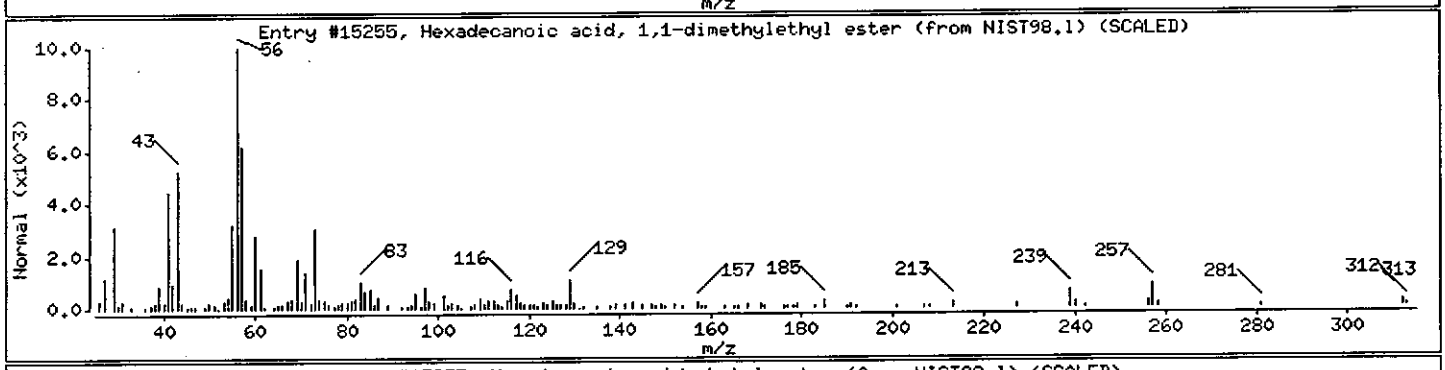
Column phase: J&W DB-5.625

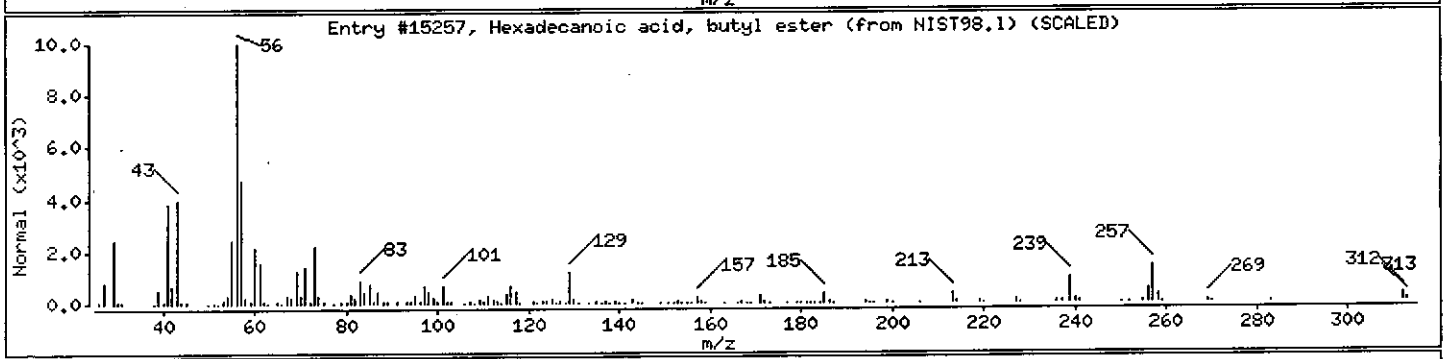
Column diameter: 0.25

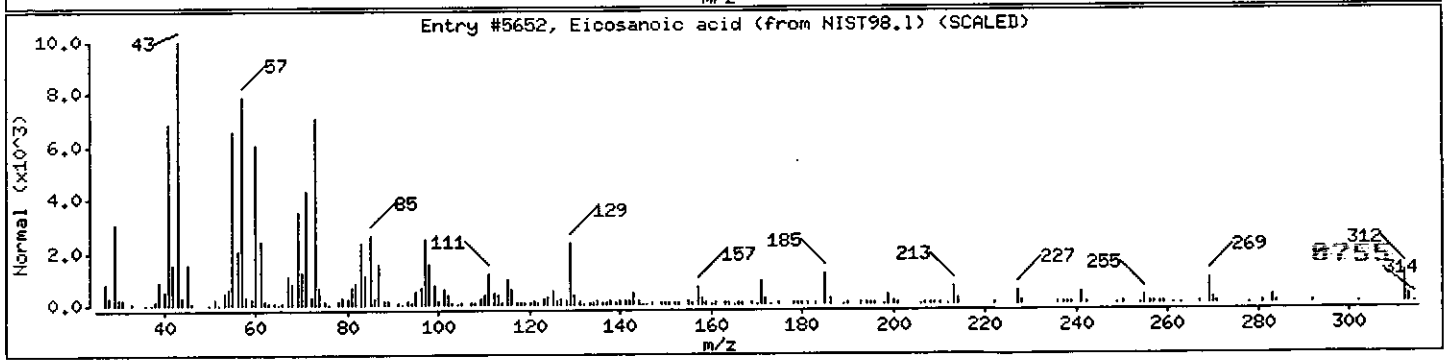
(B) LMH198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	93	C20H4O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	86	C20H4O2	312
Eicosanoic acid	506-30-9	NIST98.1	5652	45	C20H4O2	312









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;

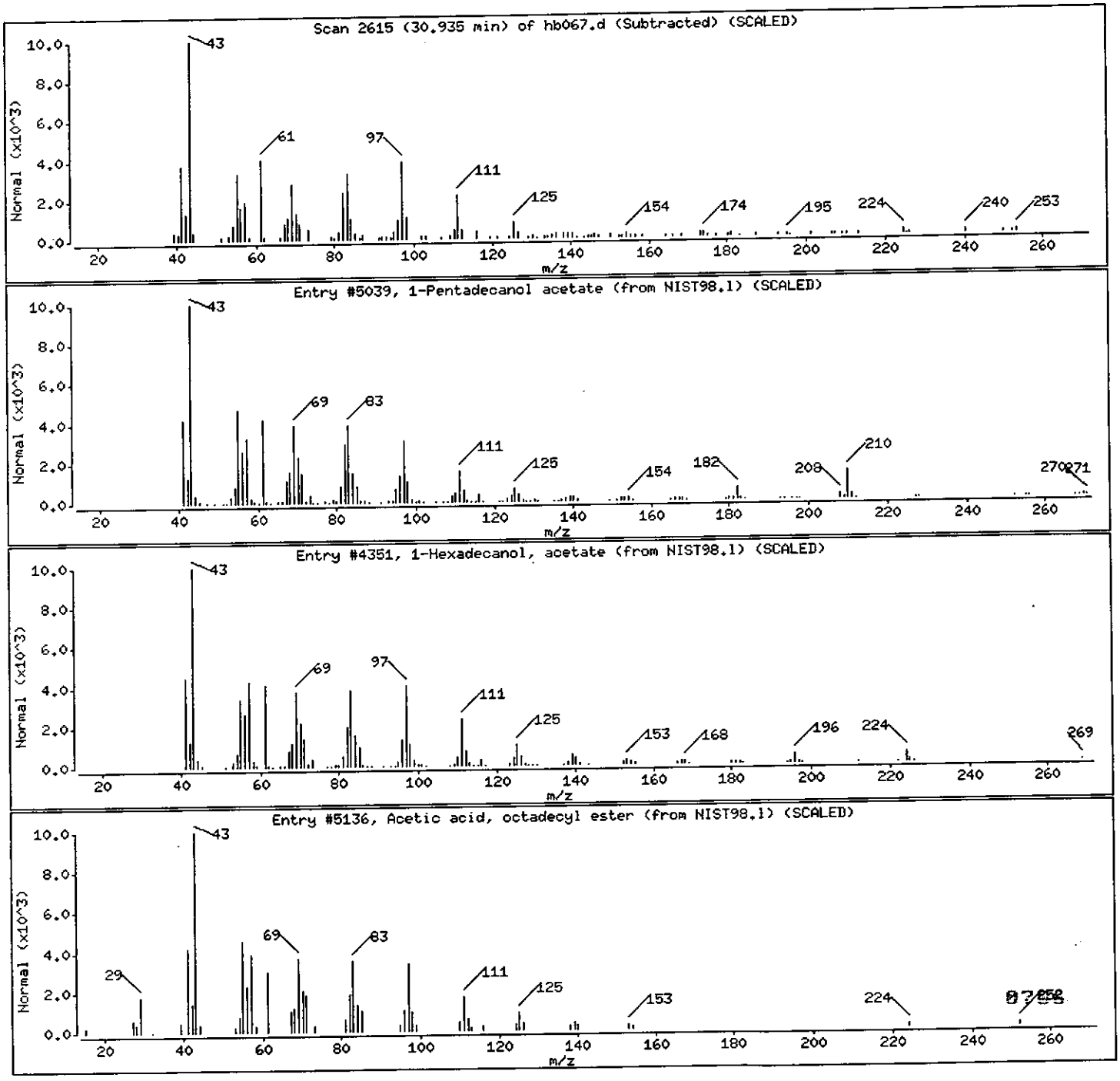
Volume Injected (uL): 2.0

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						
1-Pentadecanol acetate	1000131-34-1	NIST98.1	5039	49	C17H3402	270
1-Hexadecanol, acetate	629-70-9	NIST98.1	4351	47	C18H3602	284
Acetic acid, octadecyl ester	822-23-1	NIST98.1	5136	46	C20H4002	312



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

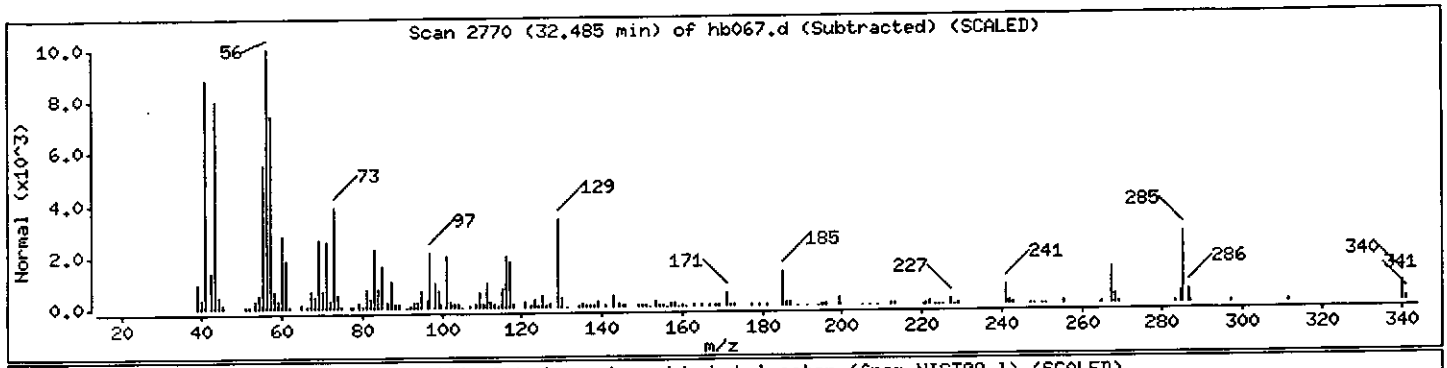
Operator: lmh00956

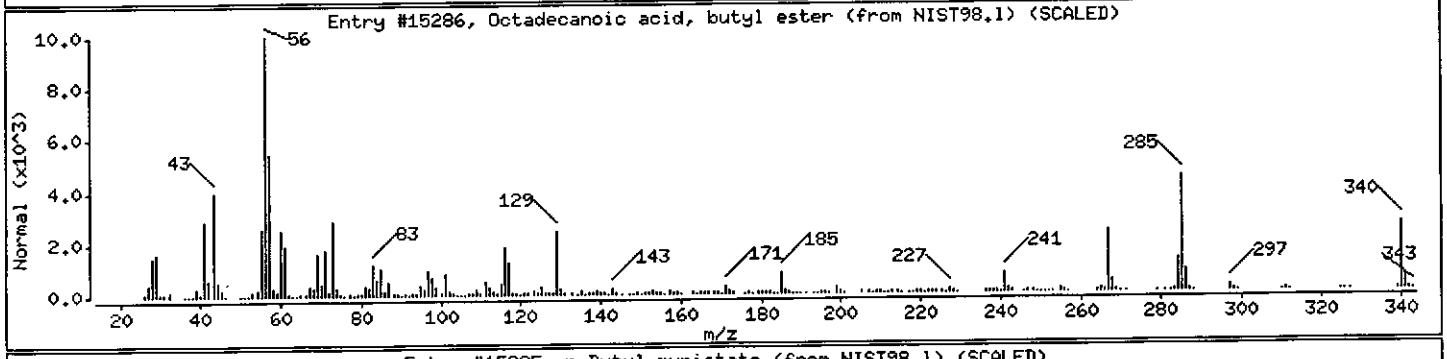
Column phase: J&W DB-5.625

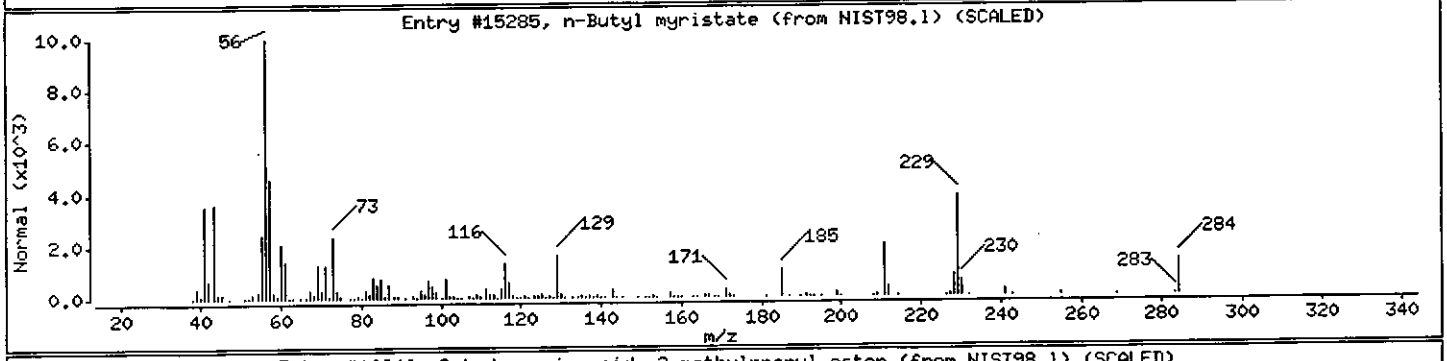
Column diameter: 0.25

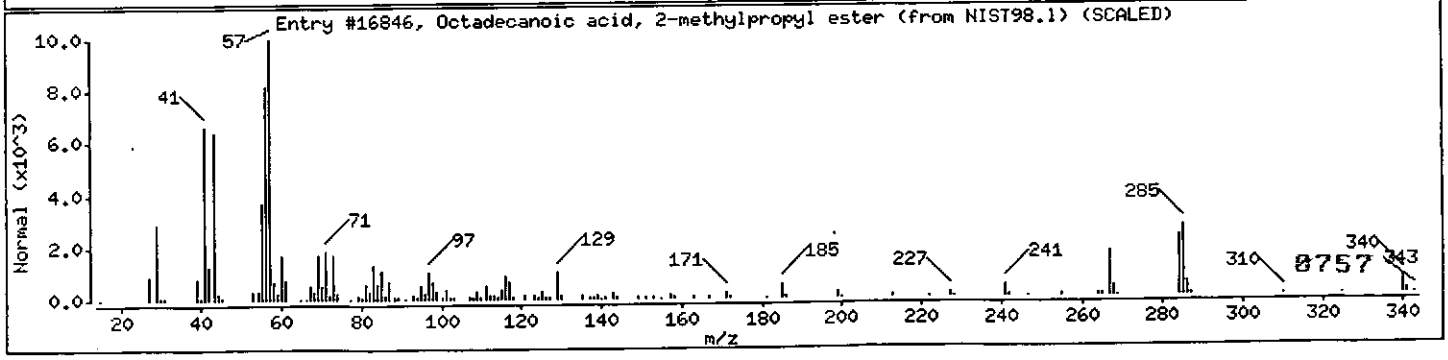
(B) LMN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	15286	94	C22H4402	340
n-Butyl myristate	110-36-1	NIST98.1	15285	50	C18H3602	284
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	46	C22H4402	340









0757

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;

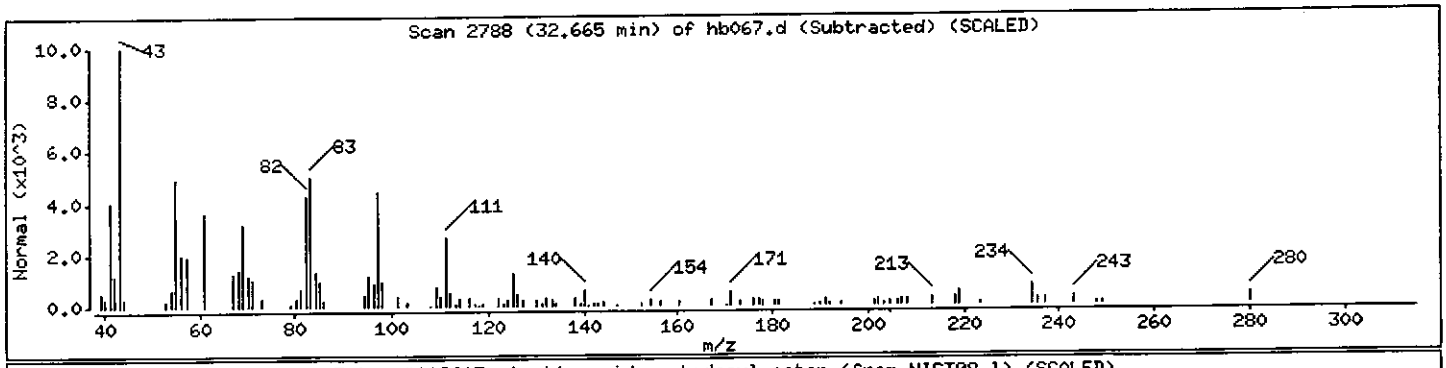
Volume Injected (uL): 2.0

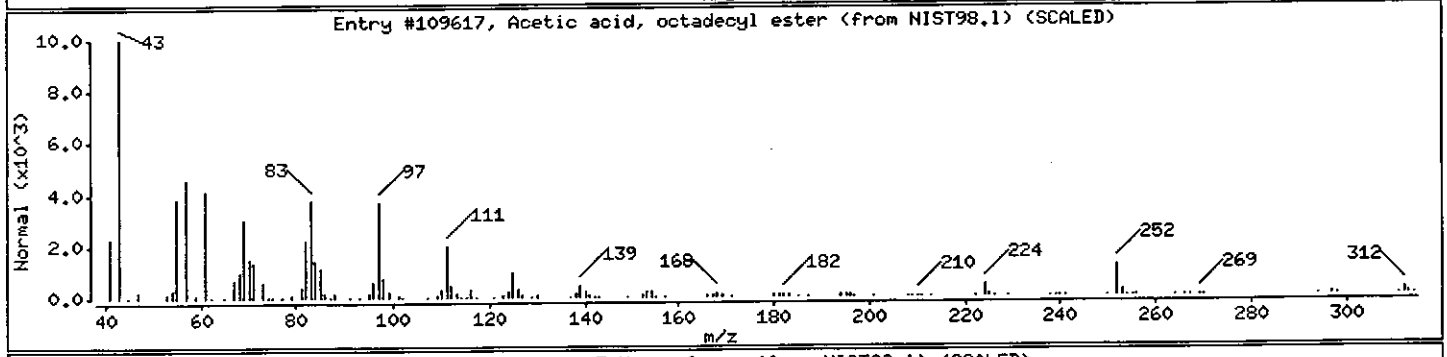
Operator: lmh00956

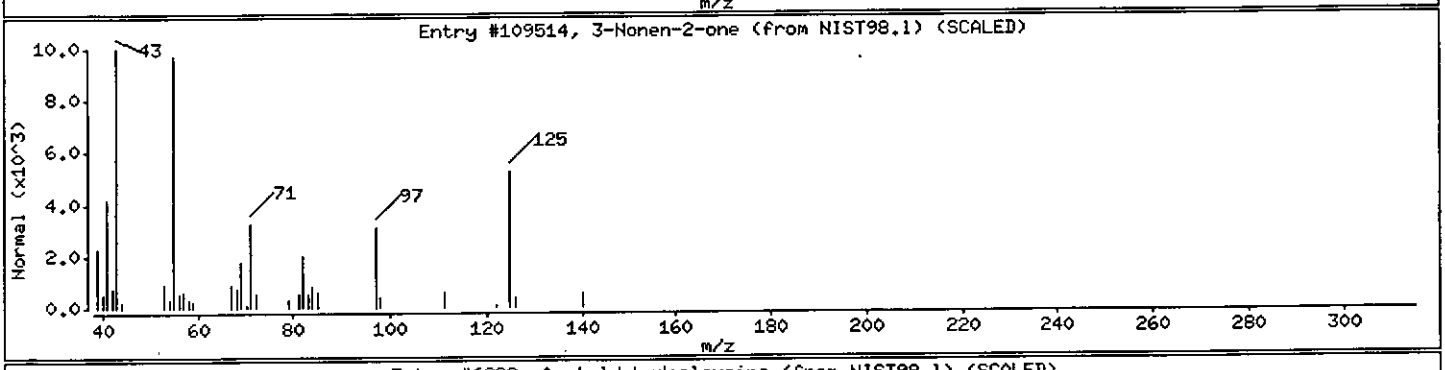
Column phase: J&W DB-5.625

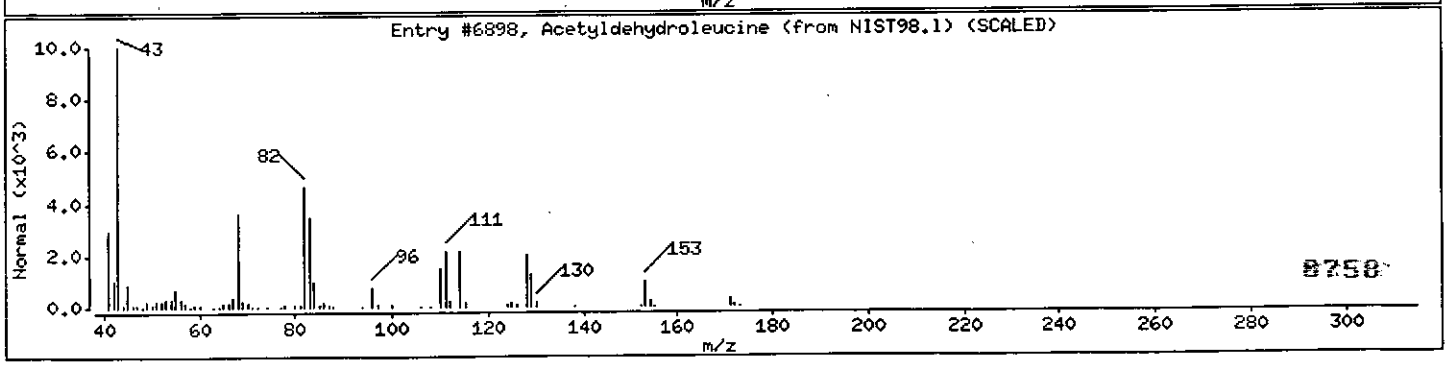
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	109617	38	C20H40O2	312
3-Nonen-2-one	14309-57-0	NIST98.1	109514	38	C9H16O	140
Acetyldehydroleucine	1000213-84-6	NIST98.1	6898	30	C8H13NO3	171









8758

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;

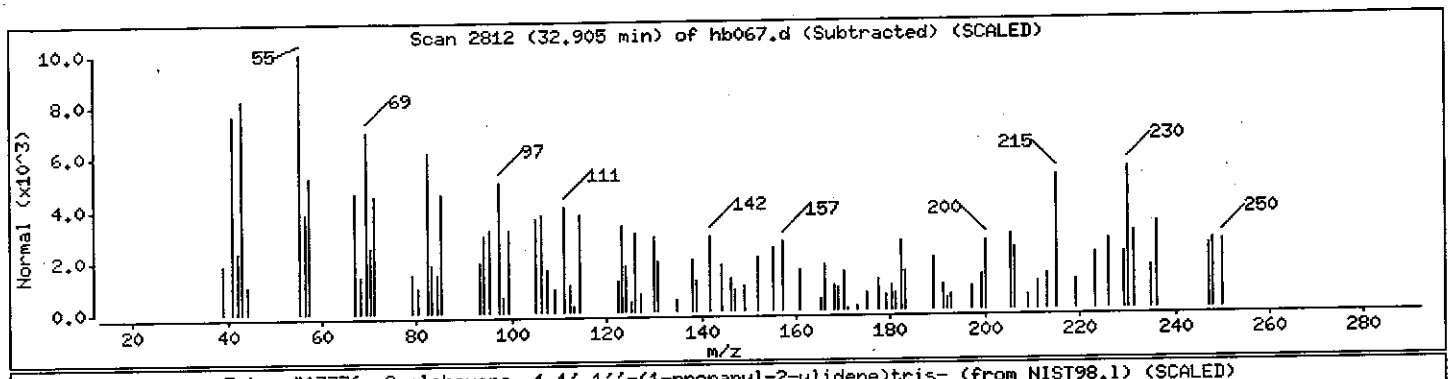
Volume Injected (uL): 2.0

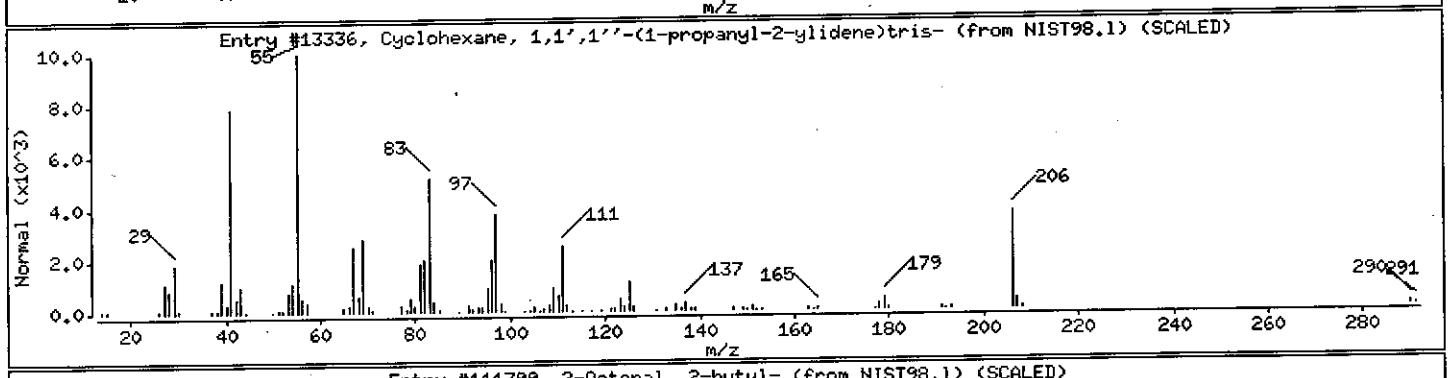
Operator: lmh00956

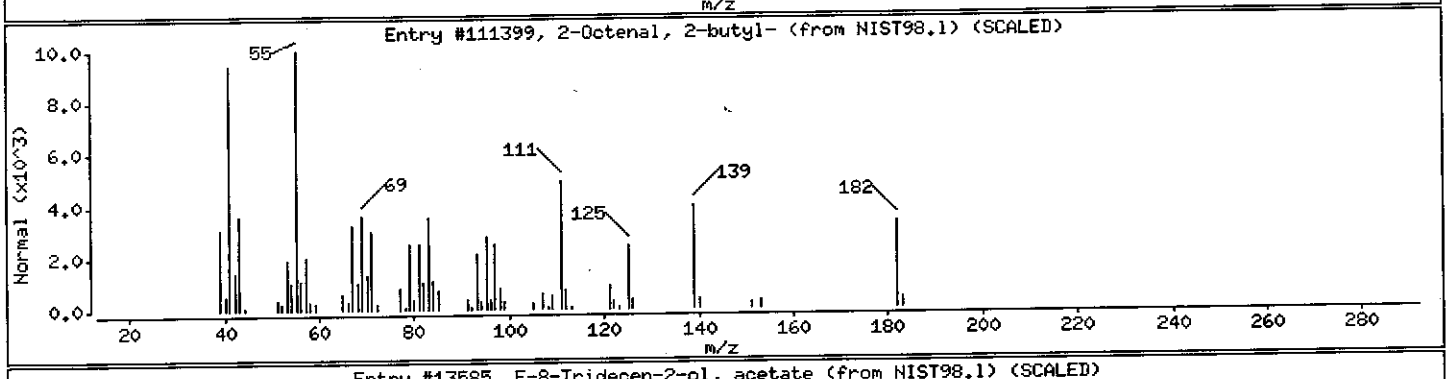
Column phase: J&W DB-5.625

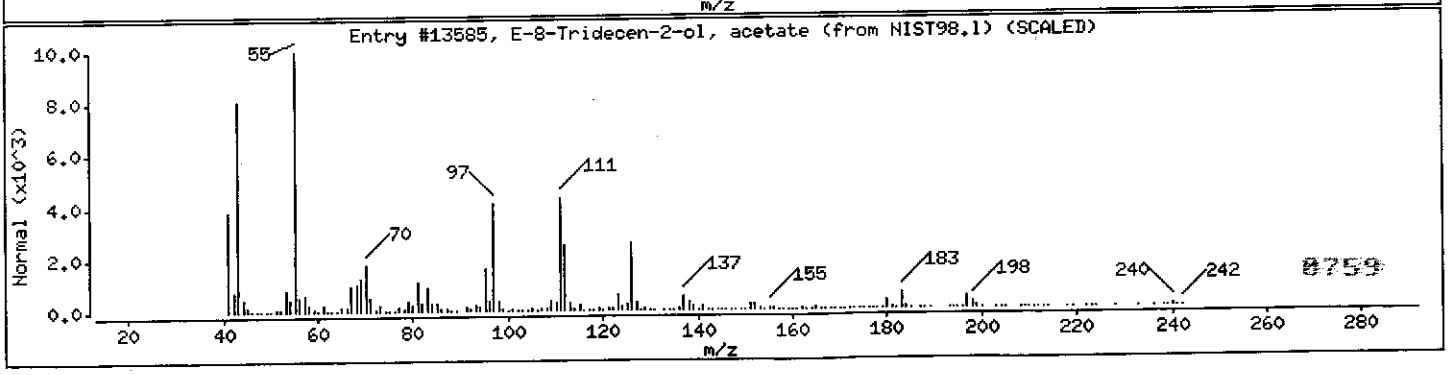
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,1',1''-(1-propanyl-2-ylid	55682-89-8	NIST98.1	13336	22	C21H38	290
2-Octenal, 2-butyl-	13019-16-4	NIST98.1	111399	11	C12H220	182
E-8-Tridecen-2-ol, acetate	1000131-35-5	NIST98.1	13585	10	C15H2802	240









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;

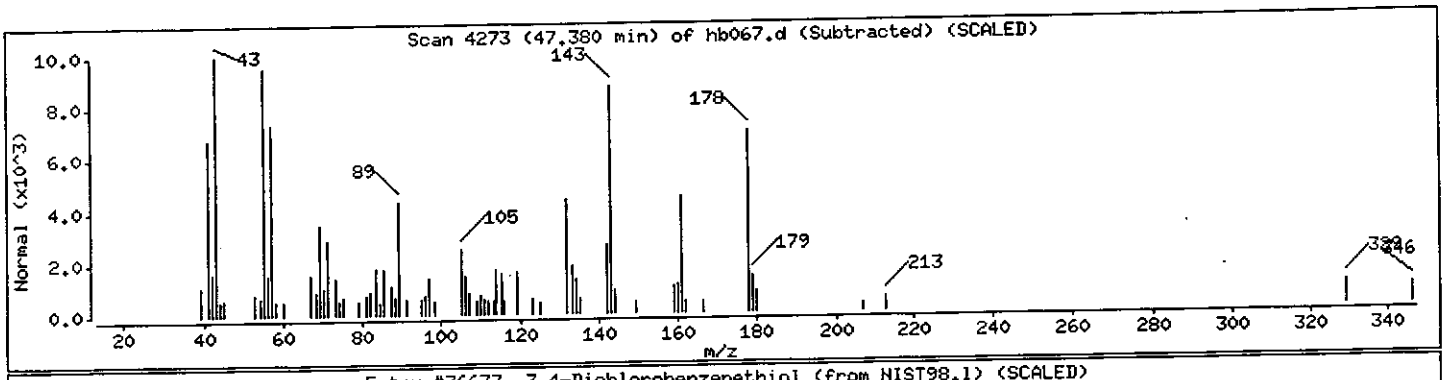
Volume Injected (uL): 2.0

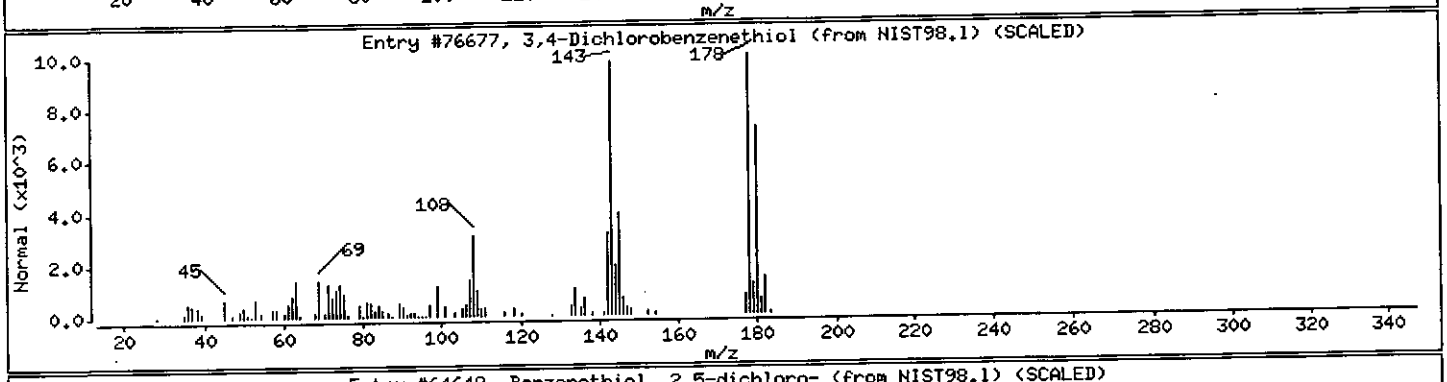
Operator: lmh00956

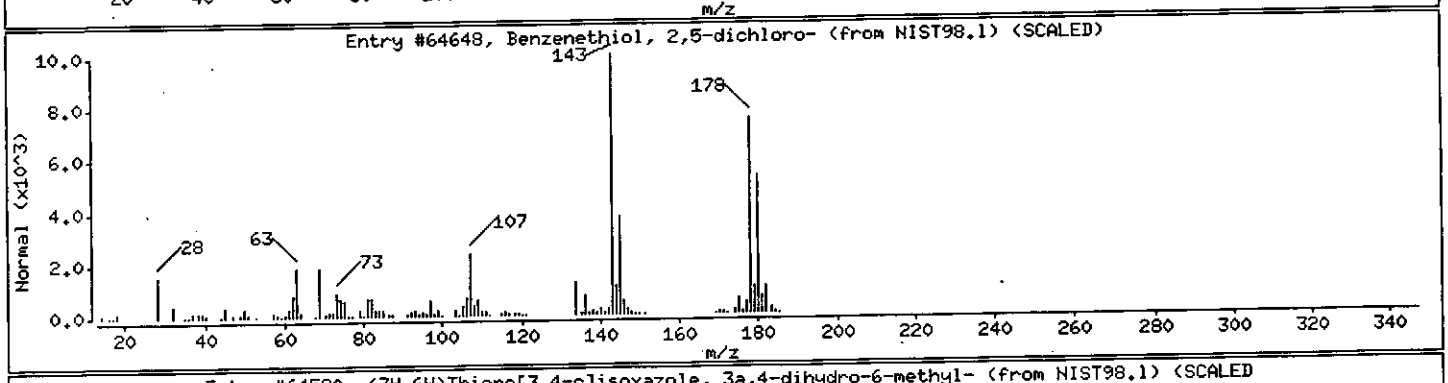
Column phase: J&W DB-5.625

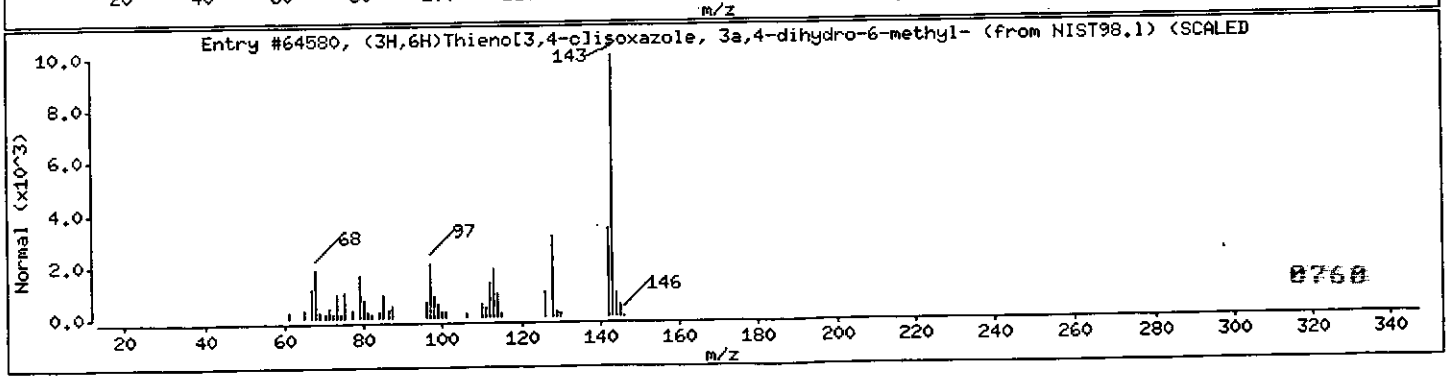
Column diameter: 0.25

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3,4-Dichlorobenzenethiol	5858-17-3	NIST98.1	76677	38	C6H4Cl2S	178
Benzenethiol, 2,5-dichloro-	5858-18-4	NIST98.1	64648	38	C6H4Cl2S	178
(3H,6H)Thieno[3,4-c]isoxazole, 3a,4-dihy	1000115-56-0	NIST98.1	64580	22	C6H9NOS	143









0760

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;

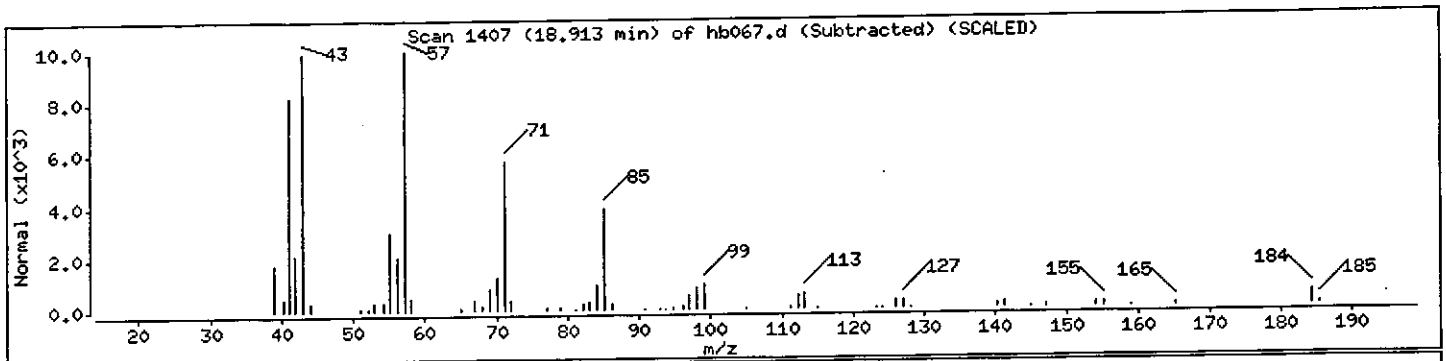
Volume Injected (uL): 2.0

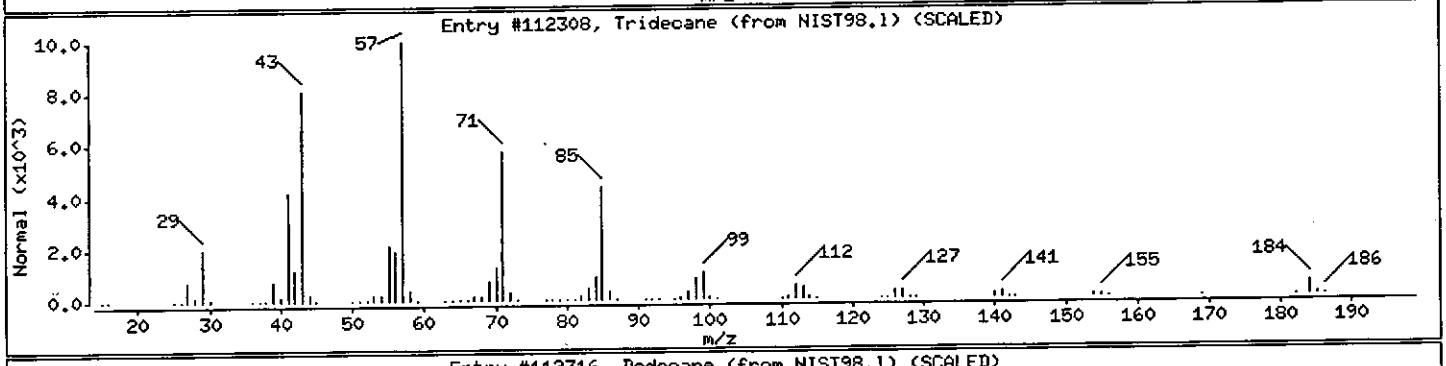
Operator: lmh00956

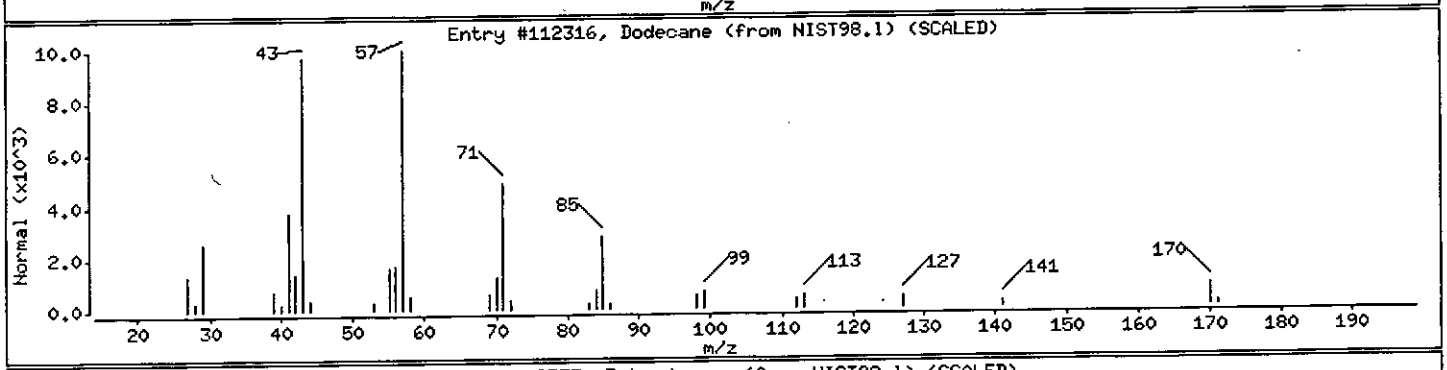
Column phase: J&W DB-5.625

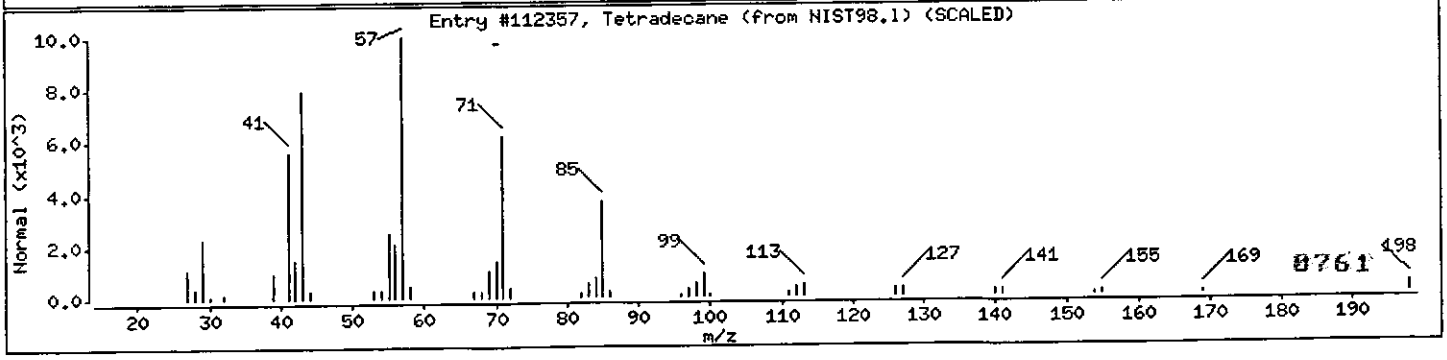
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST98.1	112308	97	C13H28	184
Dodecane	112-40-3	NIST98.1	112316	90	C12H26	170
Tetradecane	629-59-4	NIST98.1	112357	86	C14H30	198









0761