Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

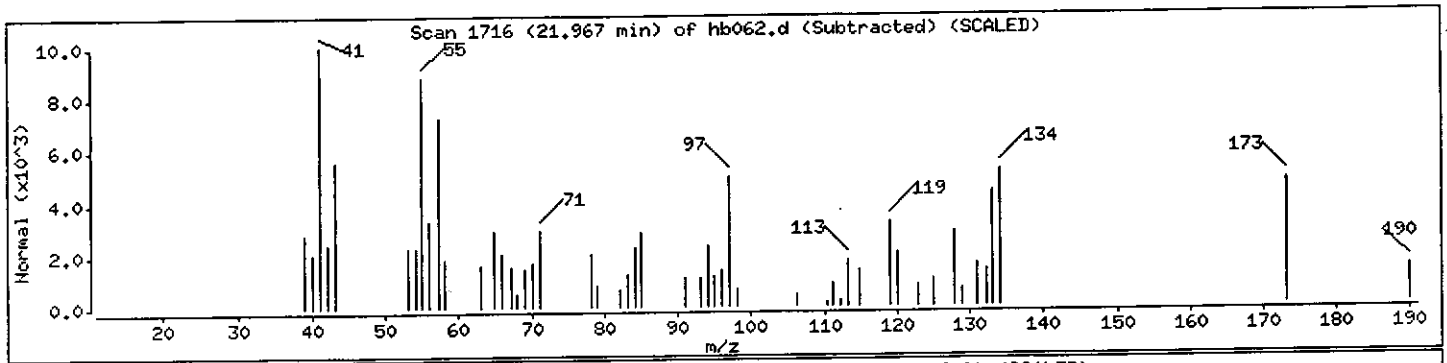
Volume Injected (uL): 2.0

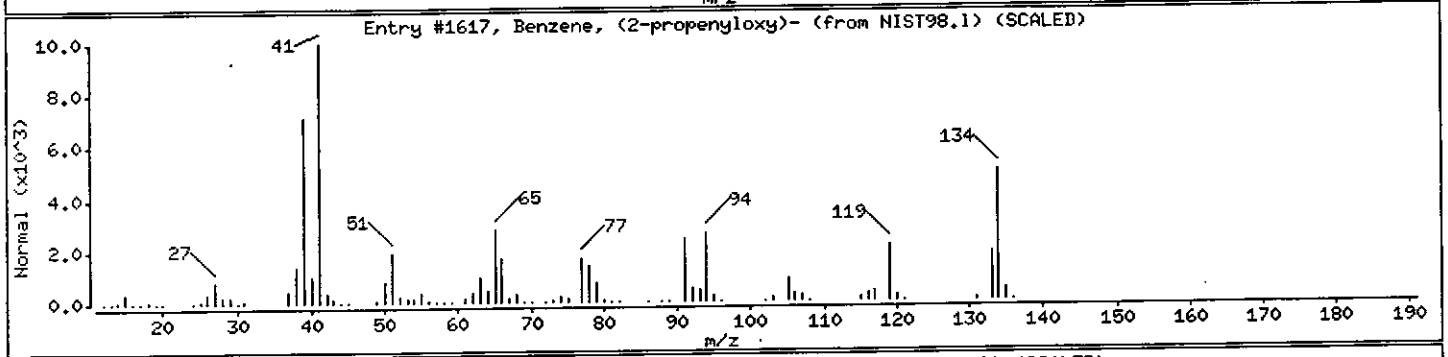
Operator: lmh00956

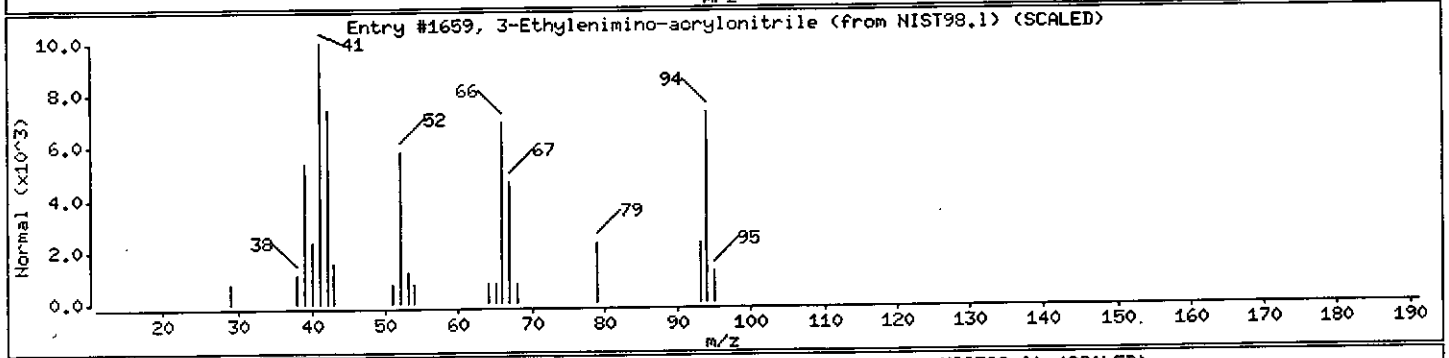
Column phase: J&W DB-5.625

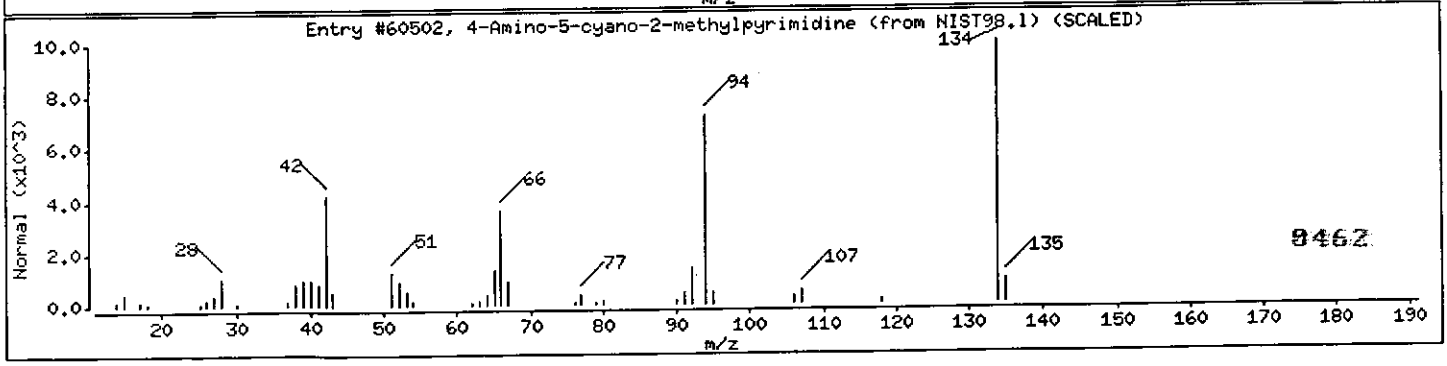
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (2-propenyloxy)-	1746-13-0	NIST98.1	1617	38	C9H10O	134
3-Ethylenimino-acrylonitrile	1000143-26-2	NIST98.1	1659	18	C5H6N2	94
4-Amino-5-cyano-2-methylpyrimidine	1000118-68-3	NIST98.1	60502	16	C6H6N4	134









9462

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

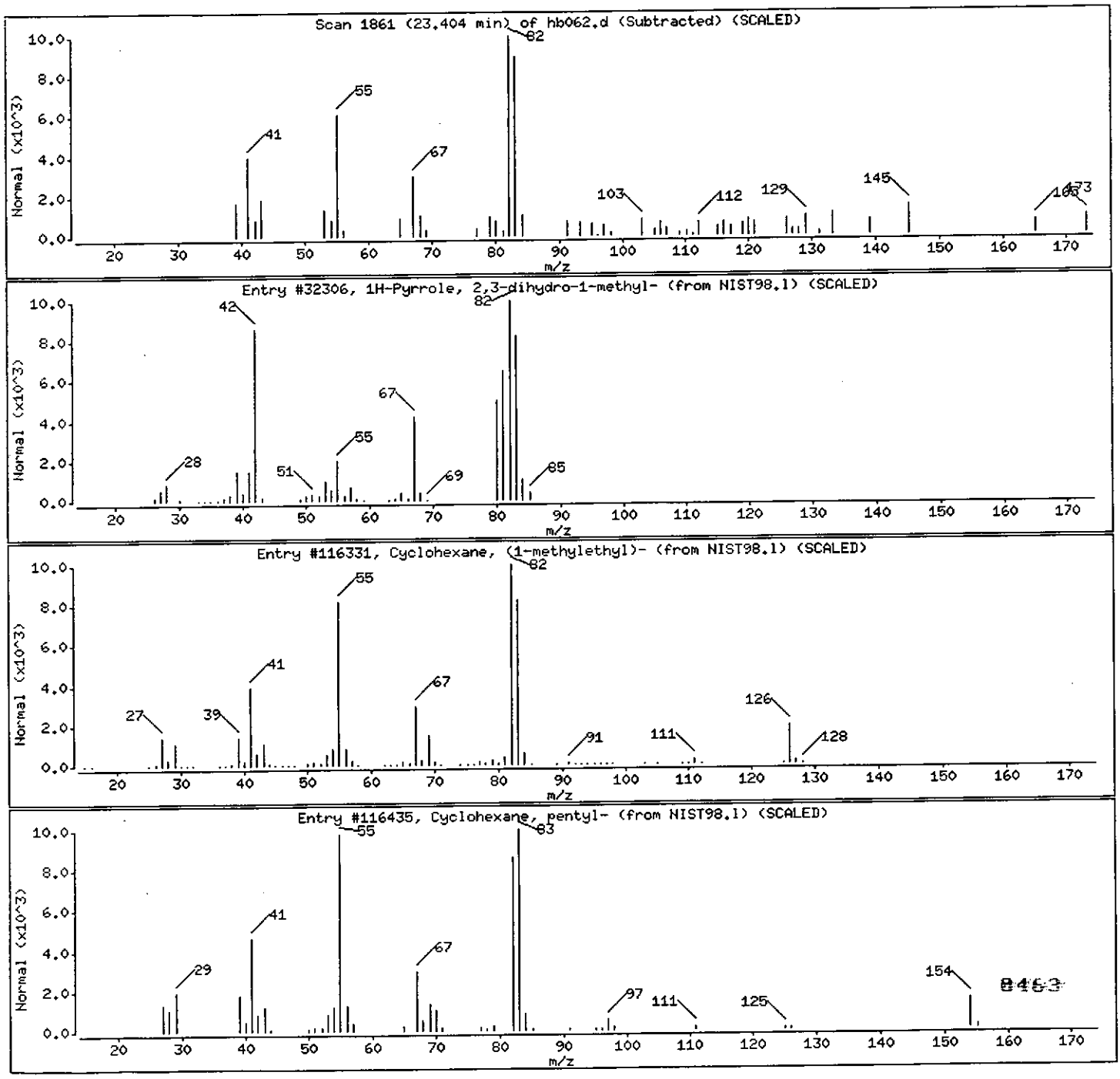
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Pyrrole, 2,3-dihydro-1-methyl-	33838-11-8	NIST98.1	32306	72	C5H9N	83
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	116331	64	C9H18	126
Cyclohexane, pentyl-	4292-92-6	NIST98.1	116435	64	C11H22	154



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

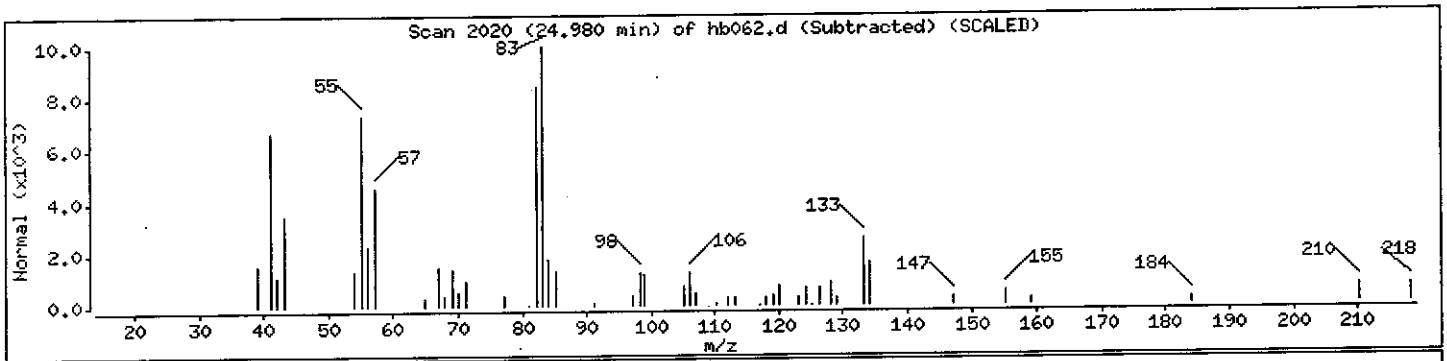
Volume Injected (uL): 2.0

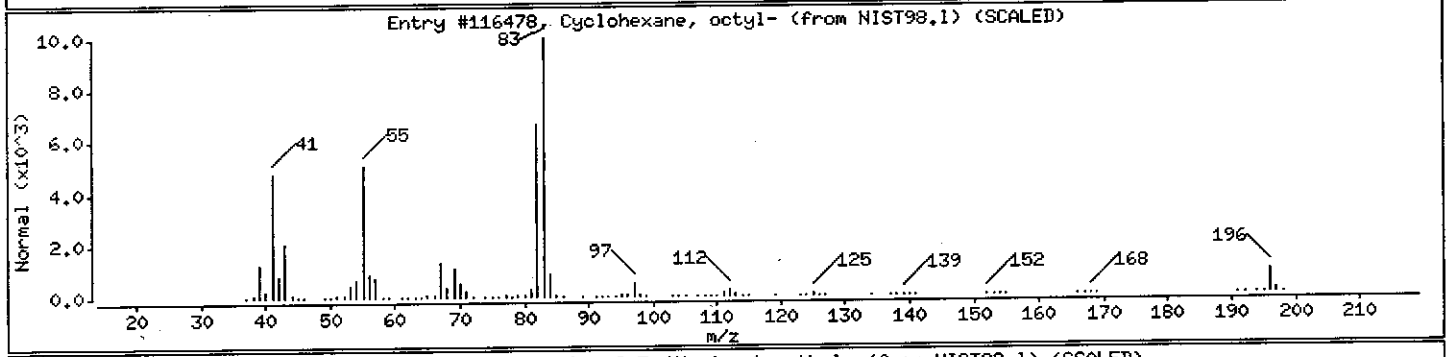
Operator: lmh00956

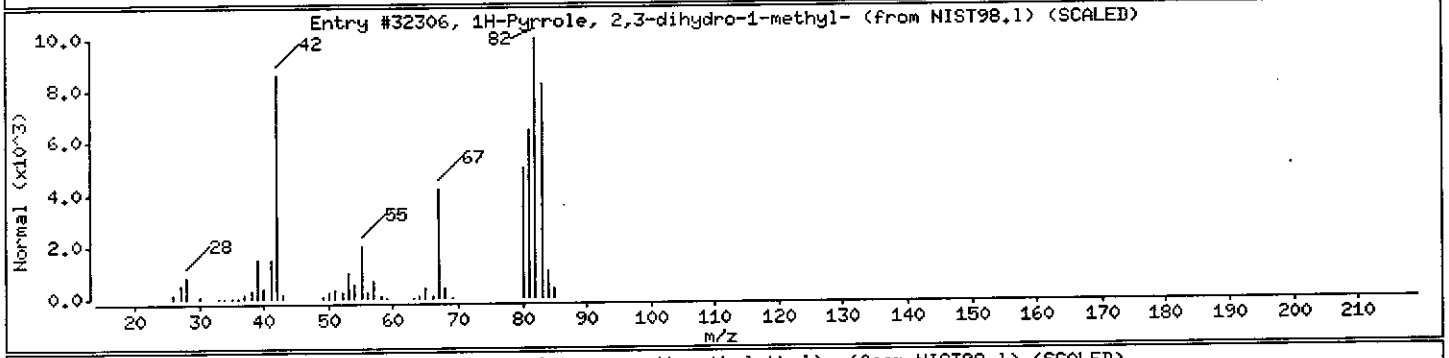
Column phase: J&W DB-5.625

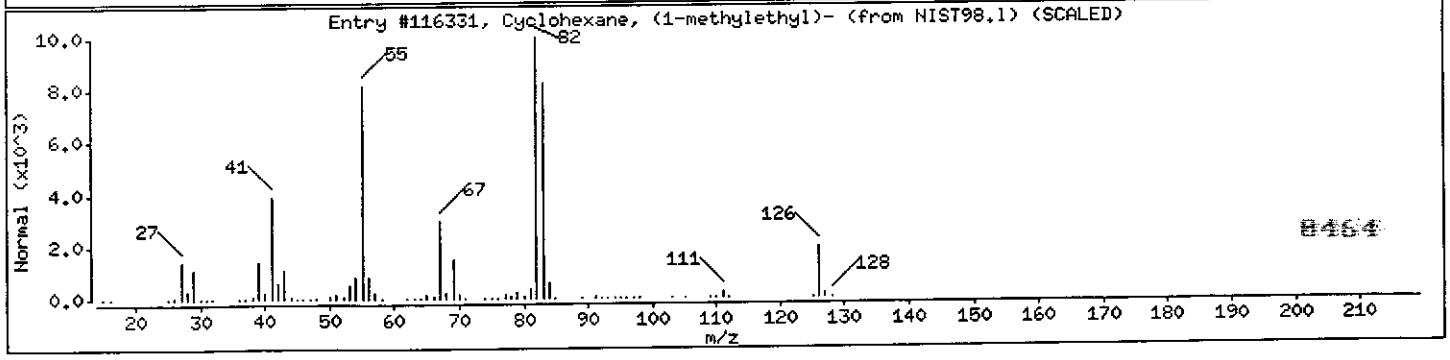
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, octyl-	1795-15-9	NIST98.1	116478	53	C14H28	196
1H-Pyrrole, 2,3-dihydro-1-methyl-	33838-11-8	NIST98.1	32306	53	C5H9N	83
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.1	116331	50	C9H18	126









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

Operator: lmh00956

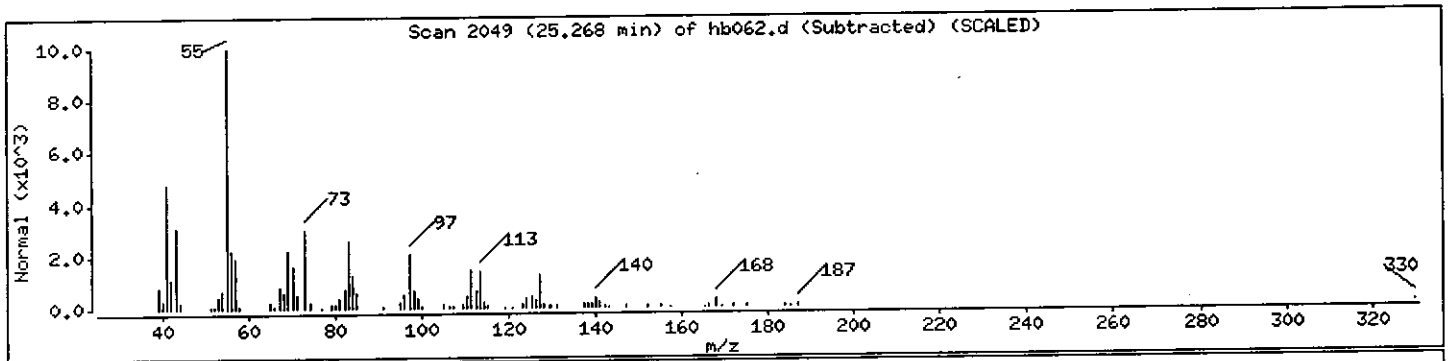
Column phase: J&W DB-5.625

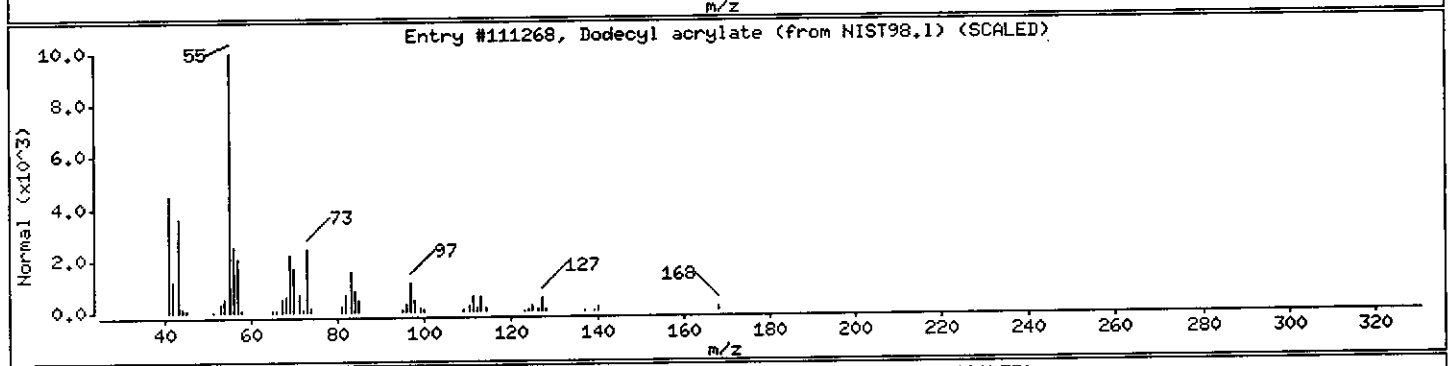
Column diameter: 0.25

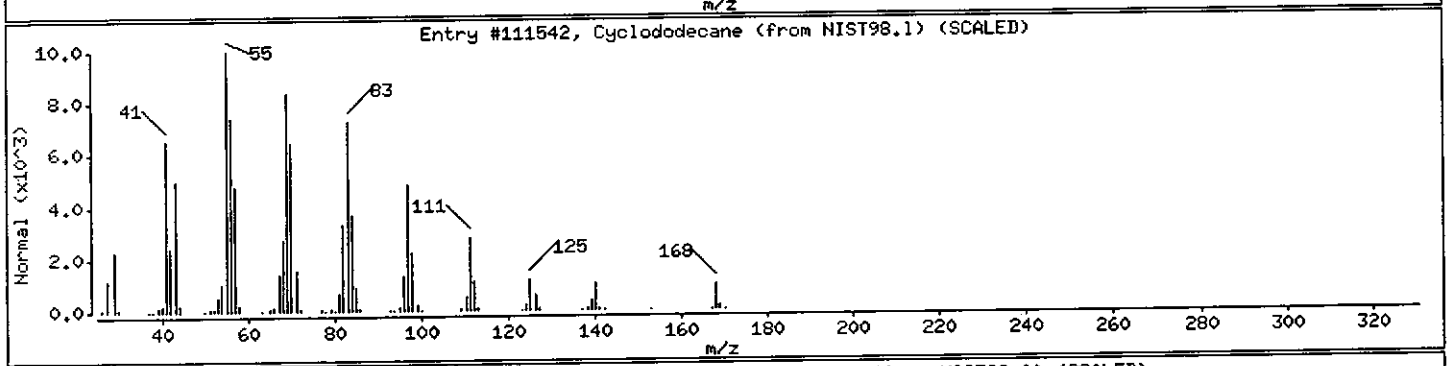
(B)

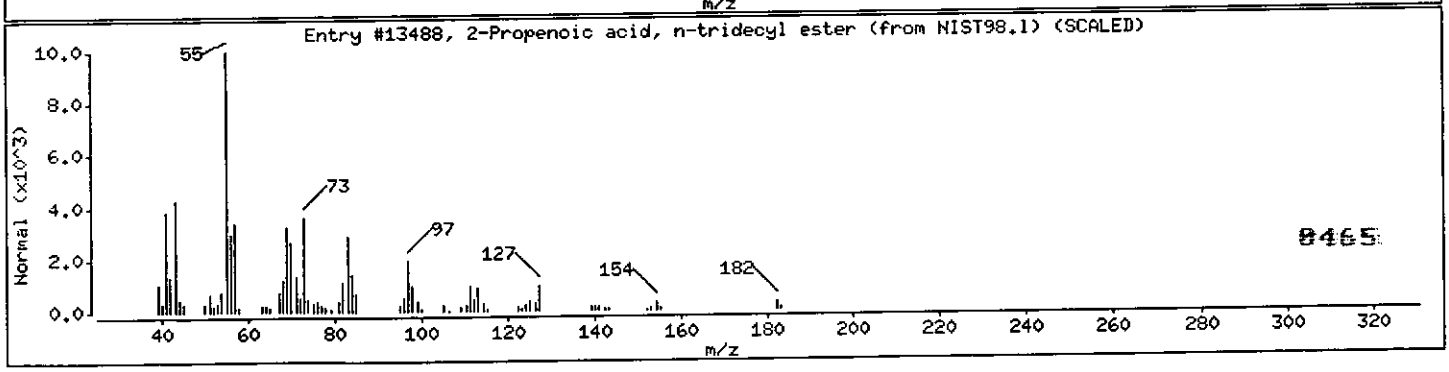
Mn198
52 107 106

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Dodecyl acrylate	2156-97-0	NIST98.1	111268	91	C15H28O2	240
Cyclododecane	294-62-2	NIST98.1	111542	55	C12H24	168
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	52	C16H30O2	254









8465

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

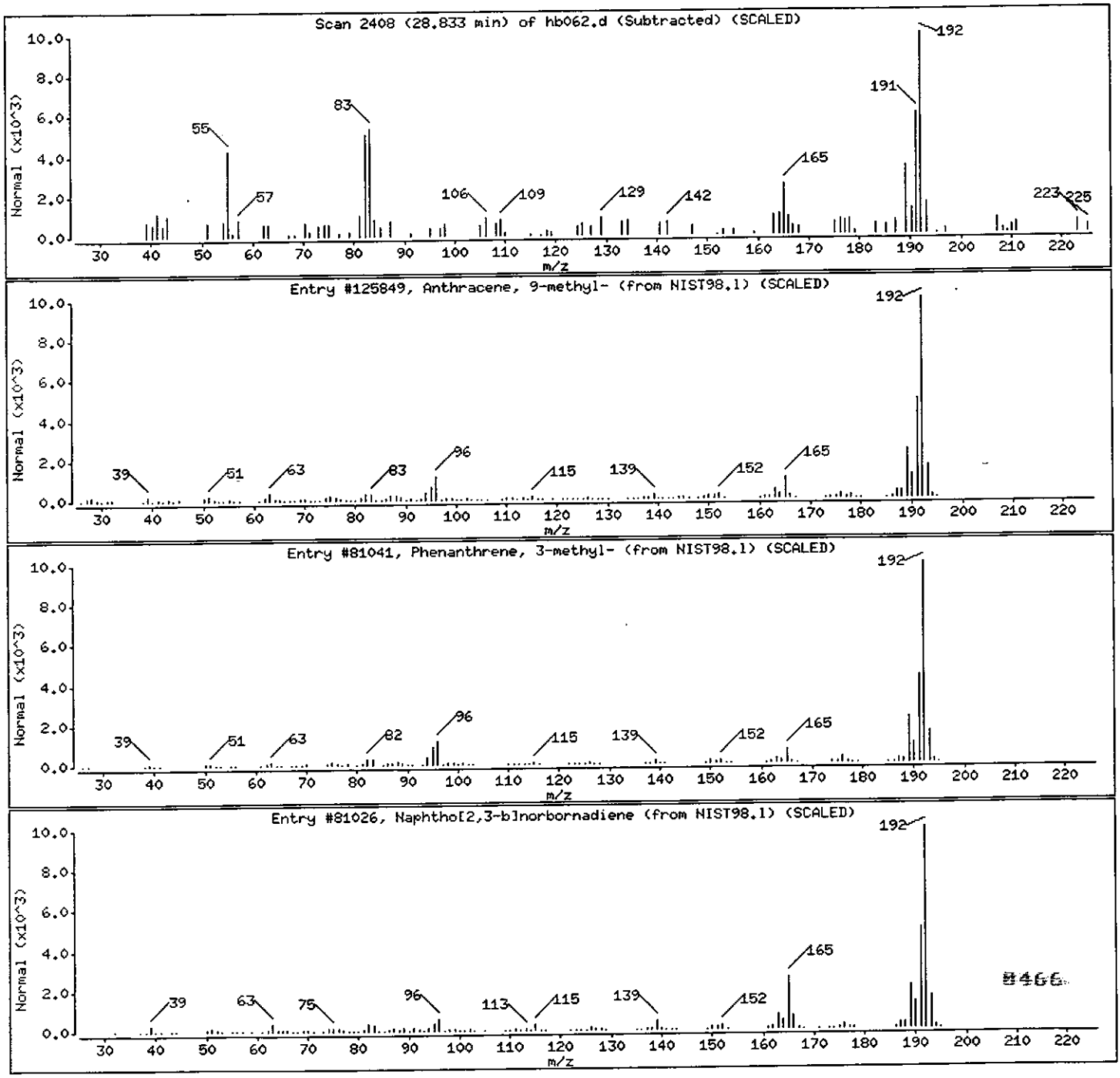
Volume Injected (uL): 2.0

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, 9-methyl-	779-02-2	NIST98.1	125849	60	C15H12	192
Phenanthrene, 3-methyl-	832-71-3	NIST98.1	81041	60	C15H12	192
Naphtho[2,3-b]norbornadiene	1000210-52-3	NIST98.1	81026	60	C15H12	192



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

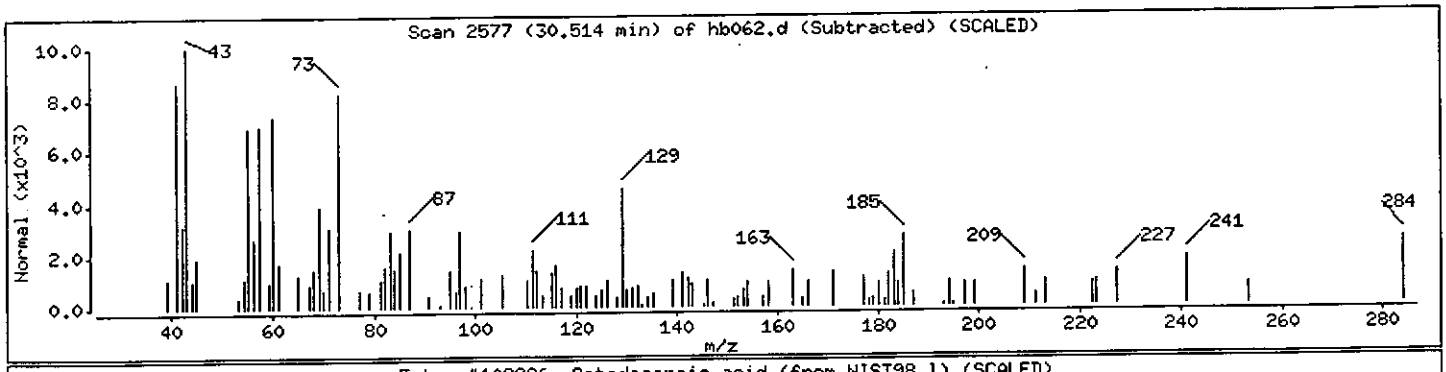
Volume Injected (uL): 2.0

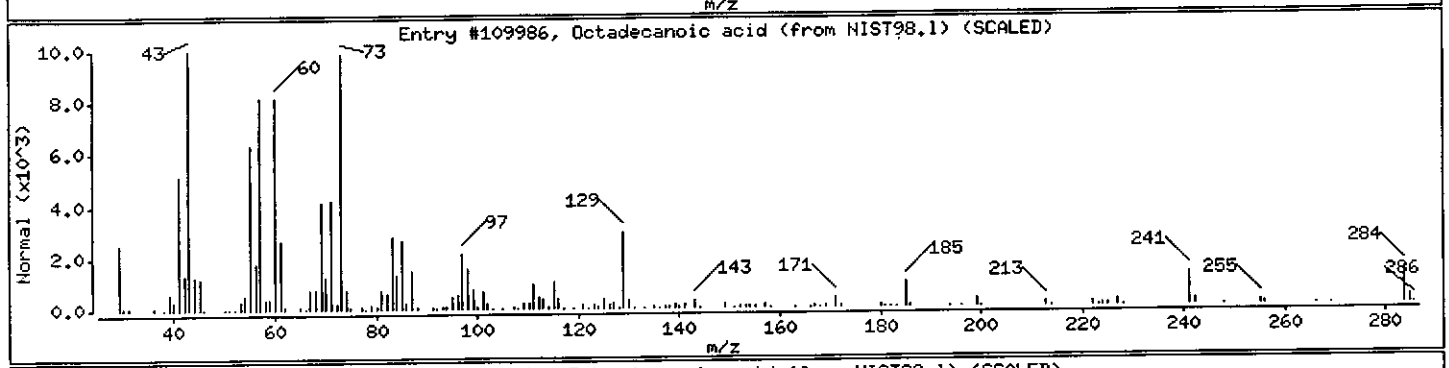
Operator: lmh00956

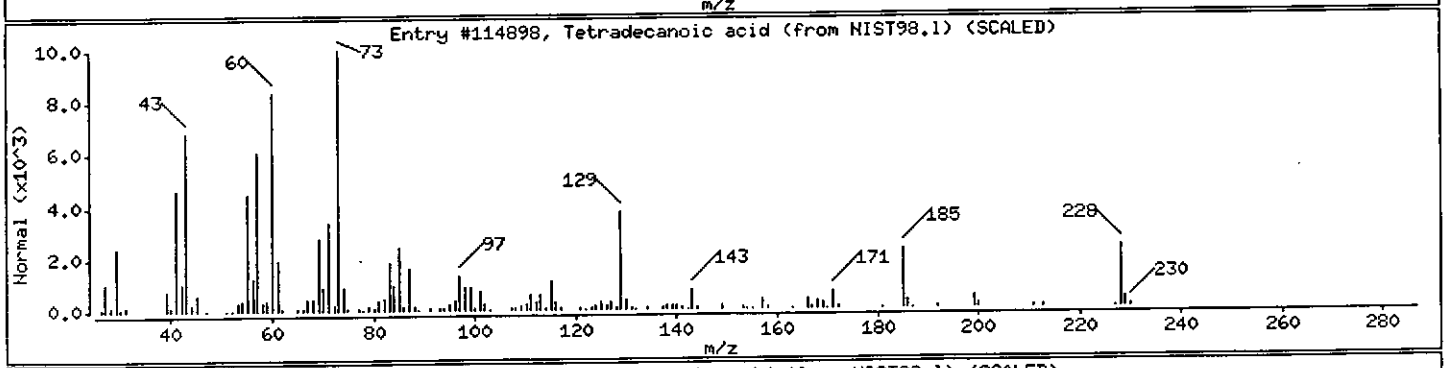
Column phase: J&W DB-5.625

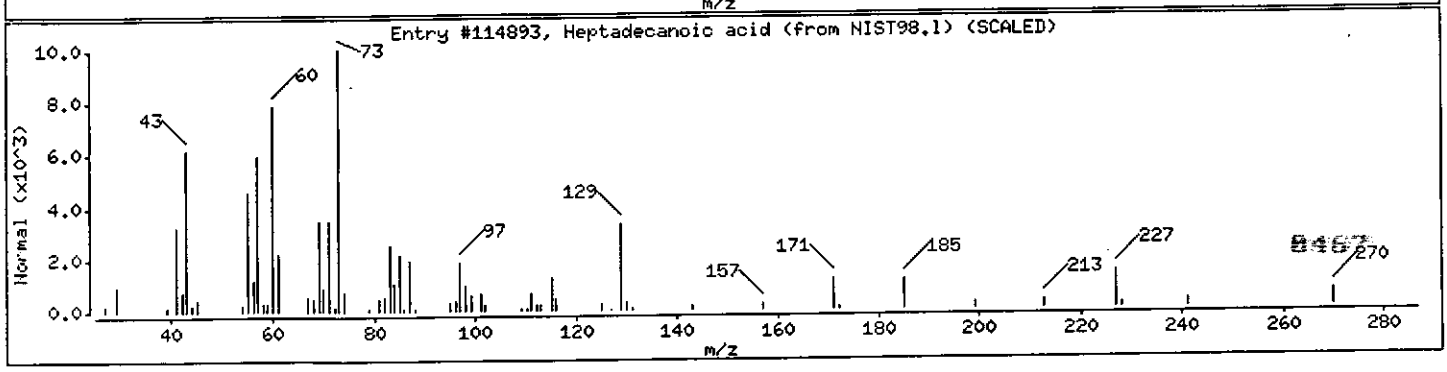
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Octadecanoic acid	57-11-4	NIST98.1	109986	53	C18H3602	284
Tetradecanoic acid	544-63-8	NIST98.1	114898	49	C14H2802	228
Heptadecanoic acid	506-12-7	NIST98.1	114893	43	C17H3402	270









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

Instrument: HP04629.i

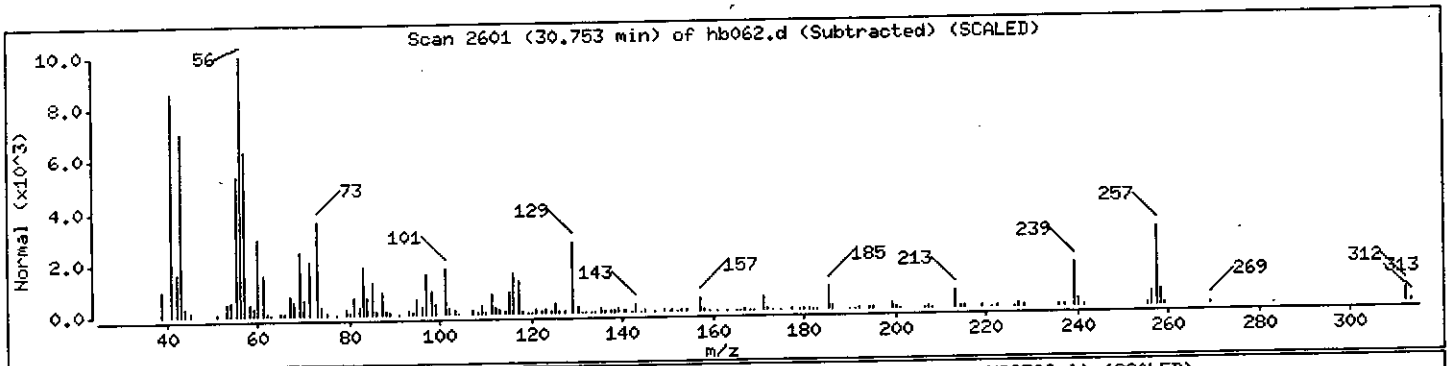
Operator: lmh00956

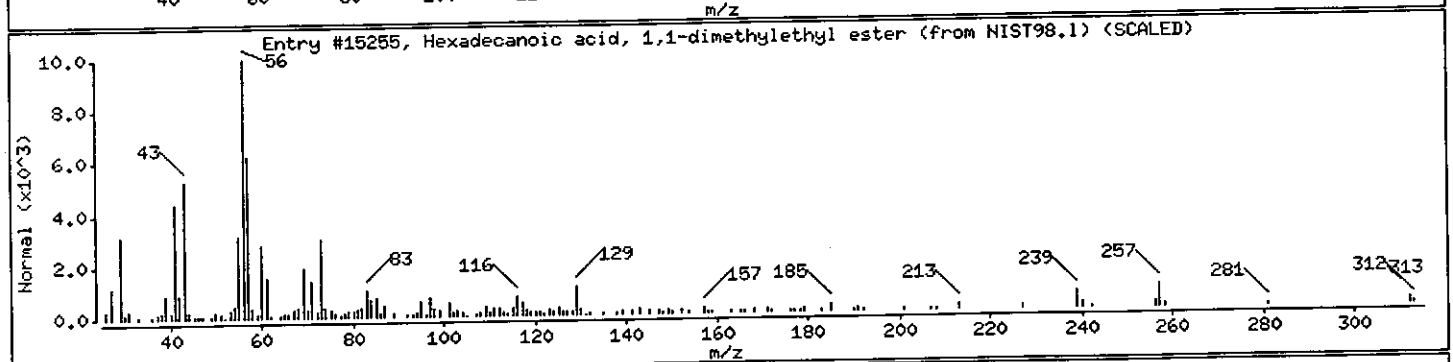
Column diameter: 0.25

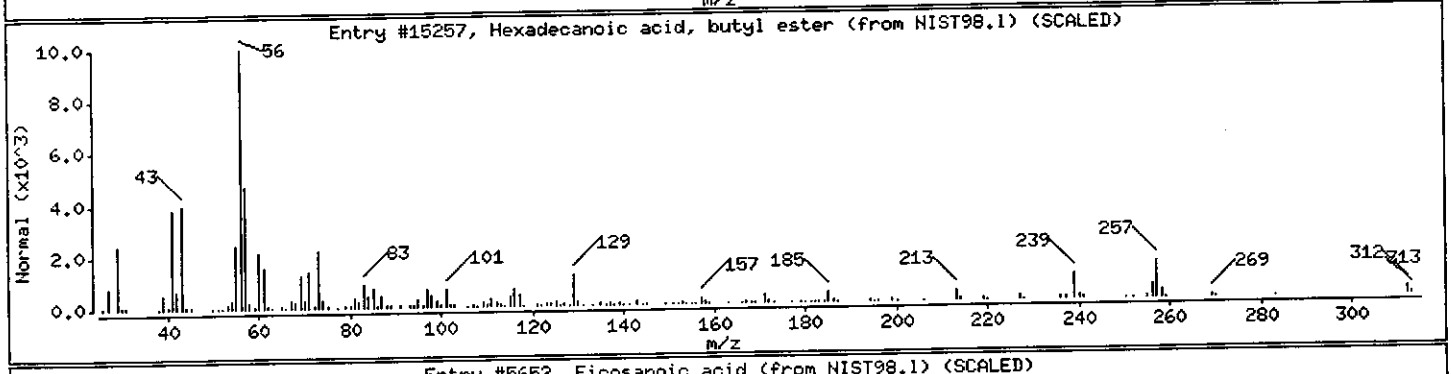
(B)

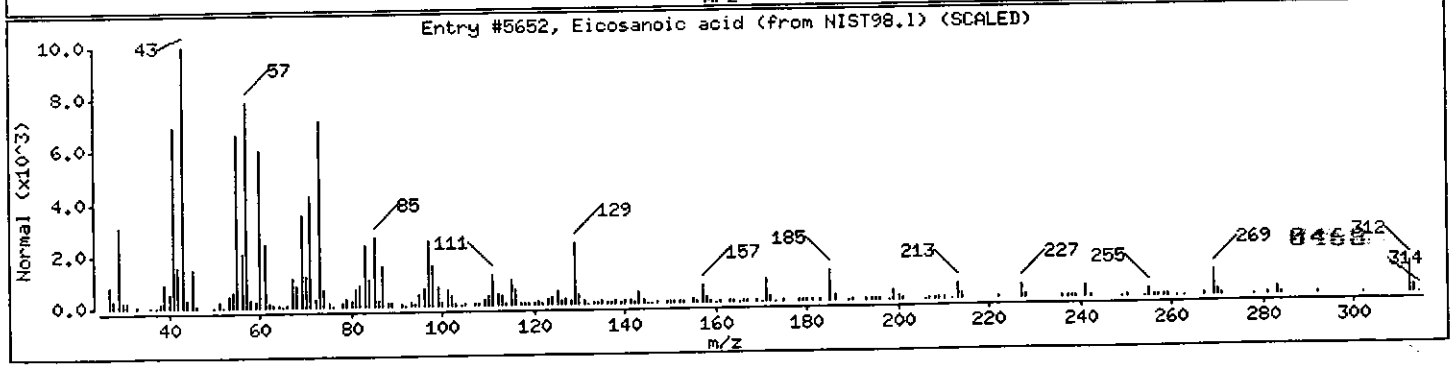
LMN198
02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	94	C20H40O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	84	C20H40O2	312
Eicosanoic acid	506-30-9	NIST98.1	5652	68	C20H40O2	312









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

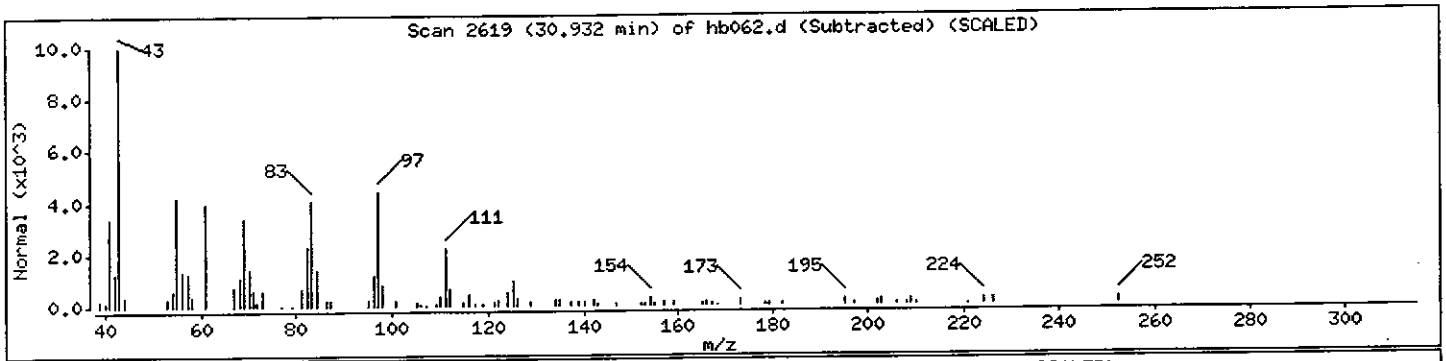
Volume Injected (uL): 2.0

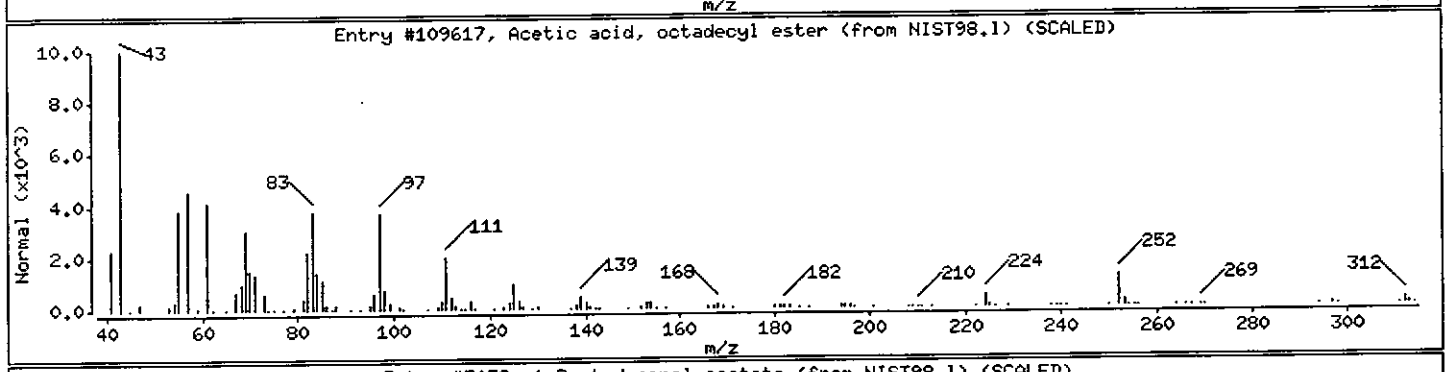
Operator: lmh00956

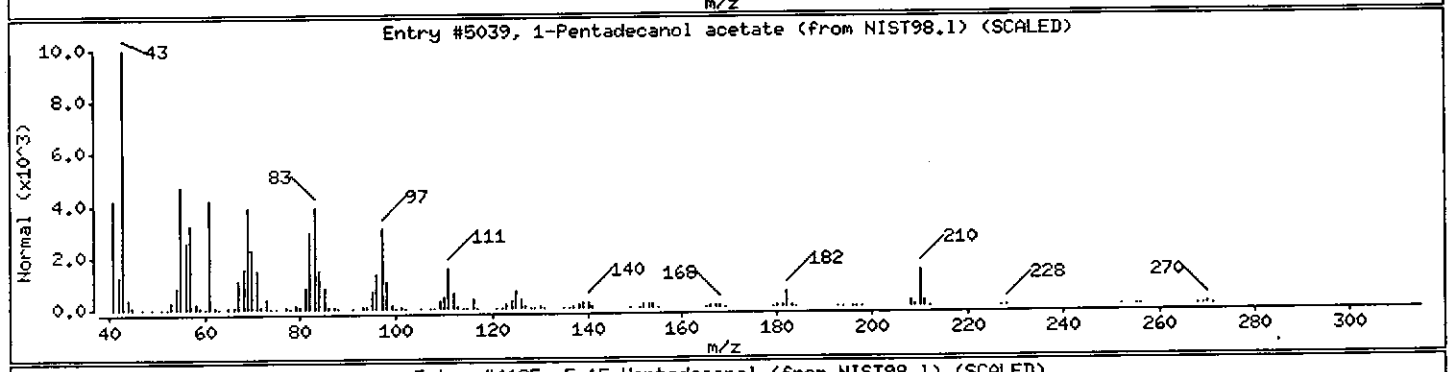
Column phase: J&W DB-5.625

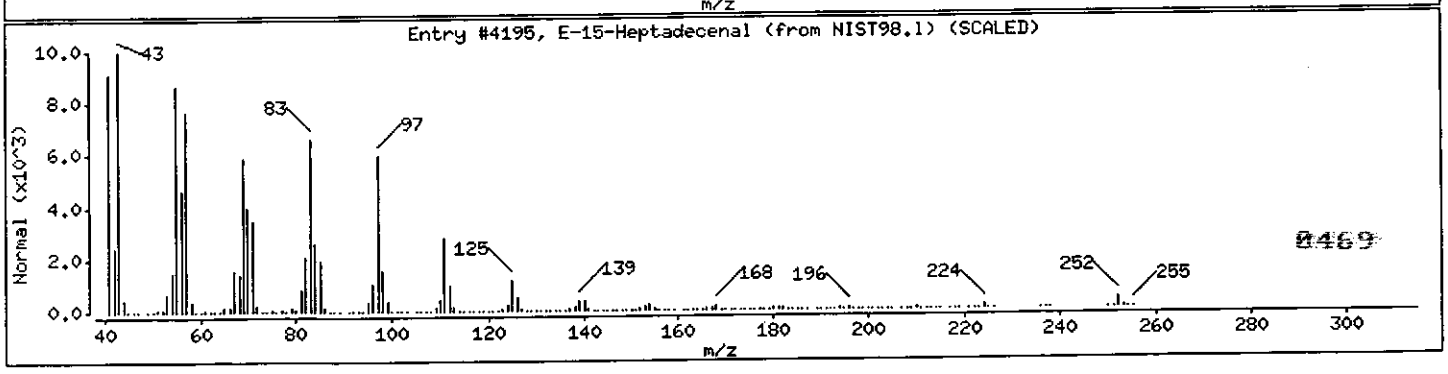
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	109617	90	C20H4002	312
1-Pentadecanol acetate	1000131-34-1	NIST98.1	5039	64	C17H3402	270
E-15-Heptadecenal	1000130-97-9	NIST98.1	4195	43	C17H320	252









0469

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

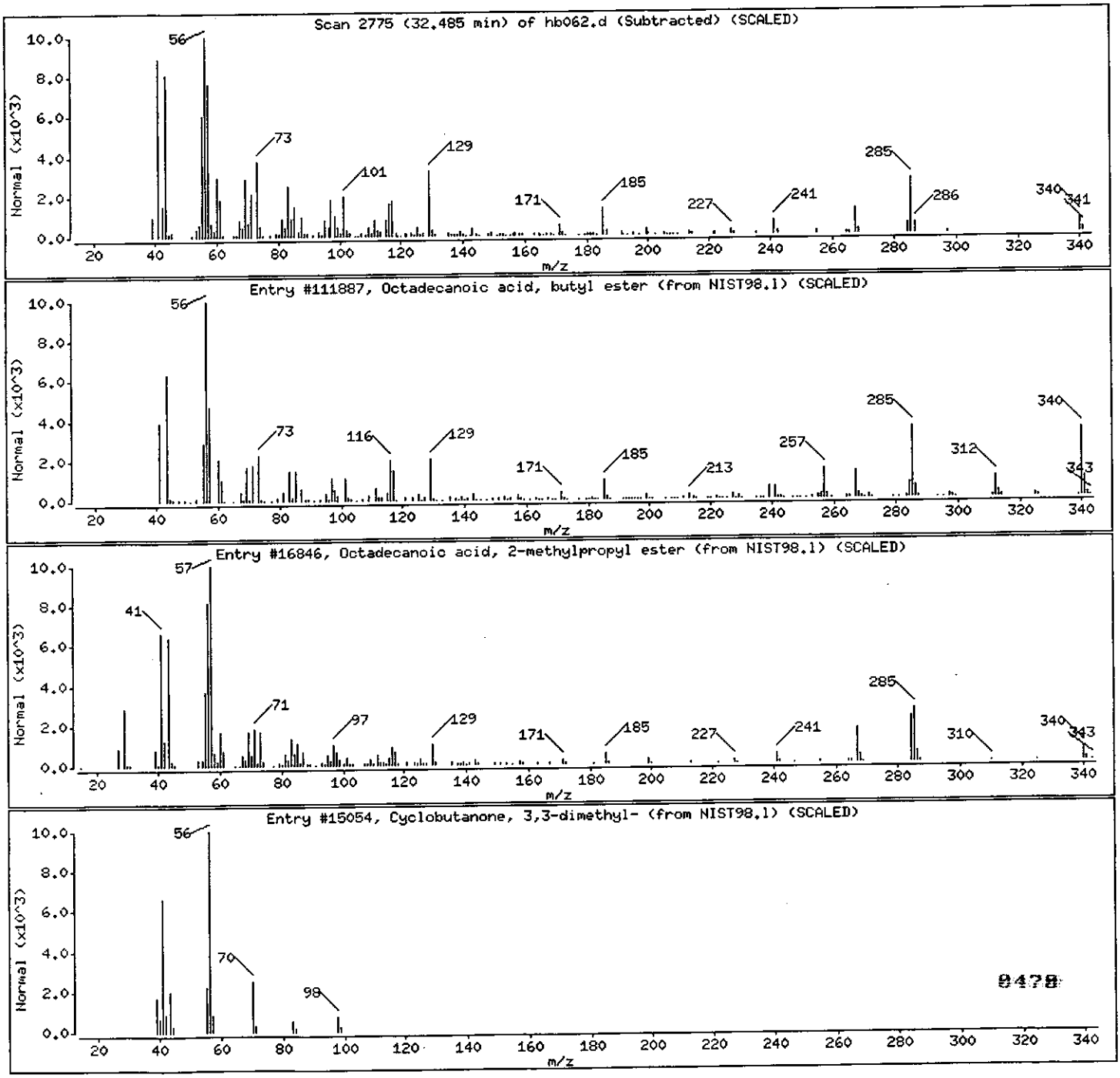
Instrument: HP04629.i

Operator: lmh00956

Column diameter: 0.25

B lmh 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111887	93	C22H4402	340
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	83	C22H4402	340
Cyclobutanone, 3,3-dimethyl-	1192-33-2	NIST98.1	15054	30	C6H10O	98



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

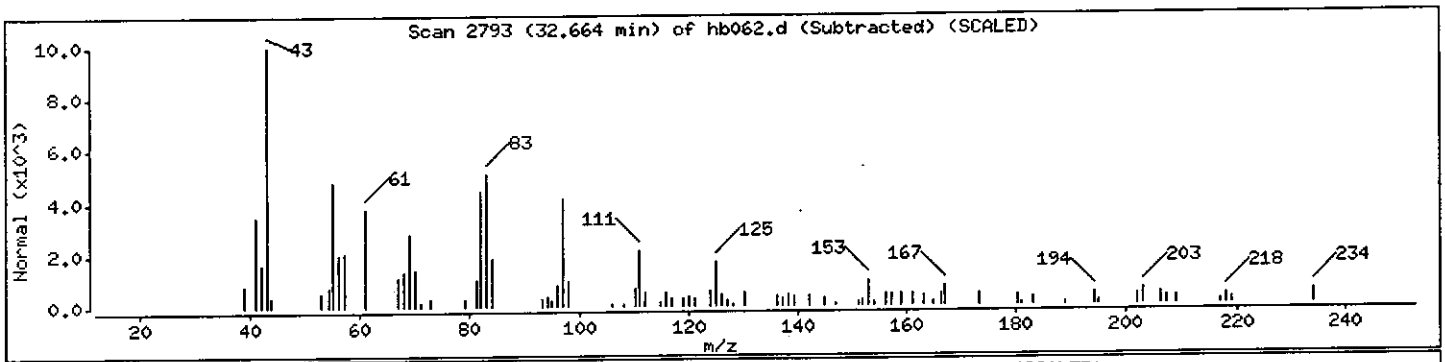
Volume Injected (uL): 2.0

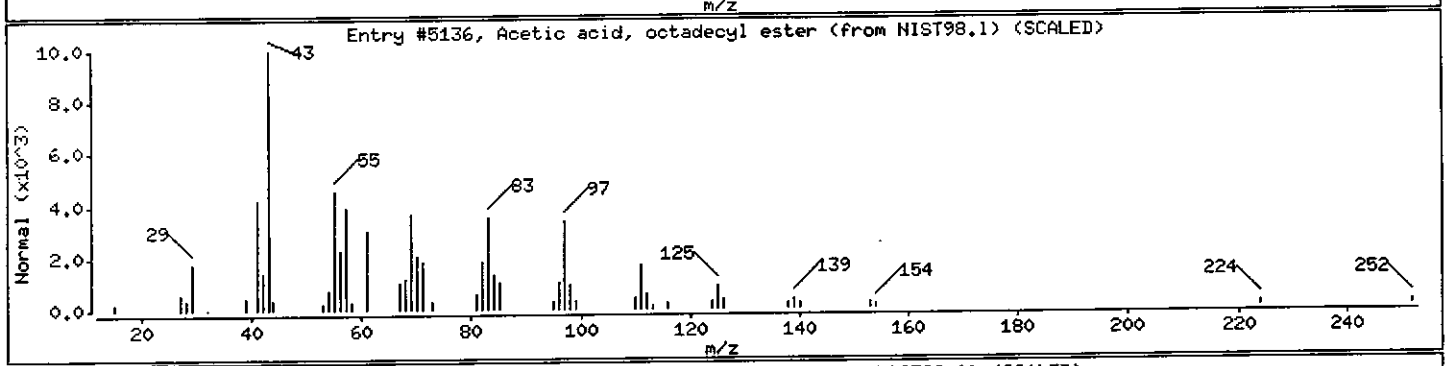
Operator: lmh00956

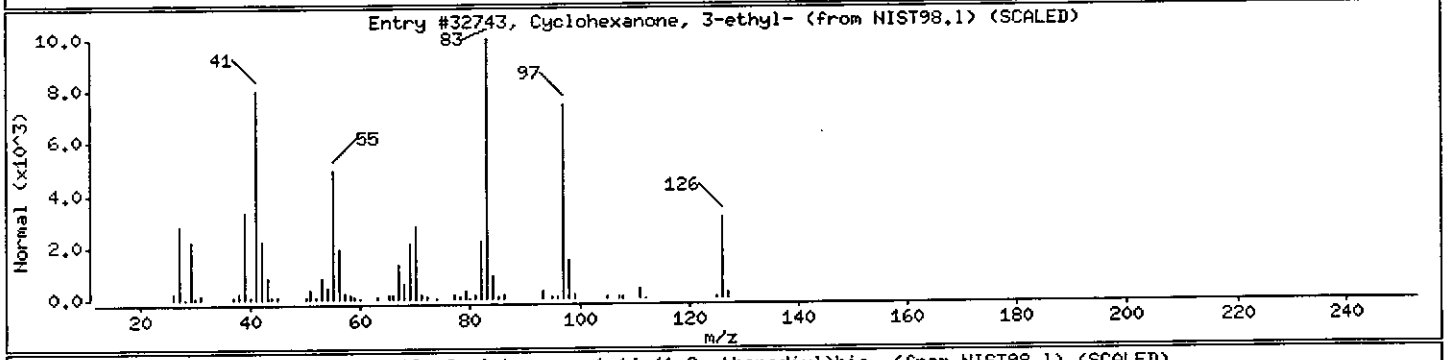
Column phase: J&W DB-5.625

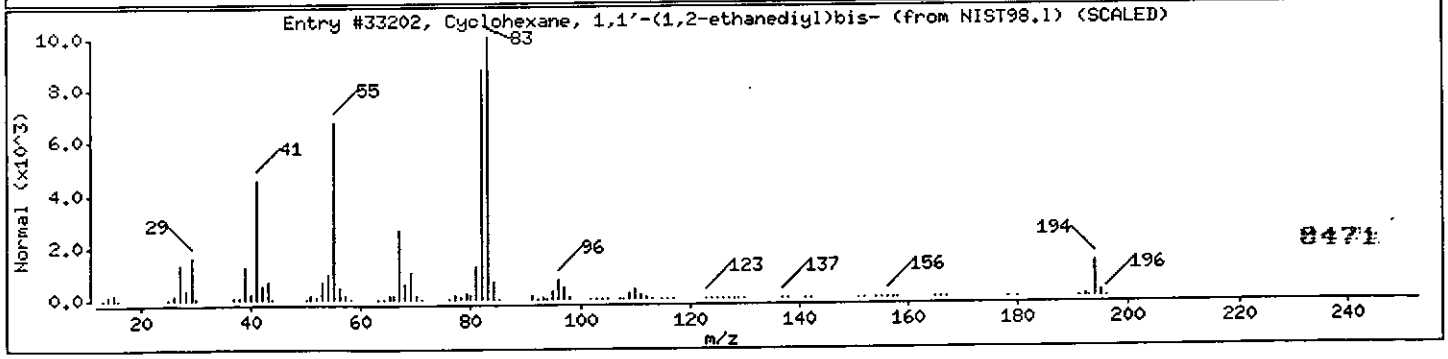
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	5136	50	C20H40O2	312
Cyclohexanone, 3-ethyl-	22461-89-8	NIST98.1	32743	35	C8H14O	126
Cyclohexane, 1,1'-(1,2-ethanediyl)bis-	3321-50-4	NIST98.1	33202	35	C14H26	194









8471

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

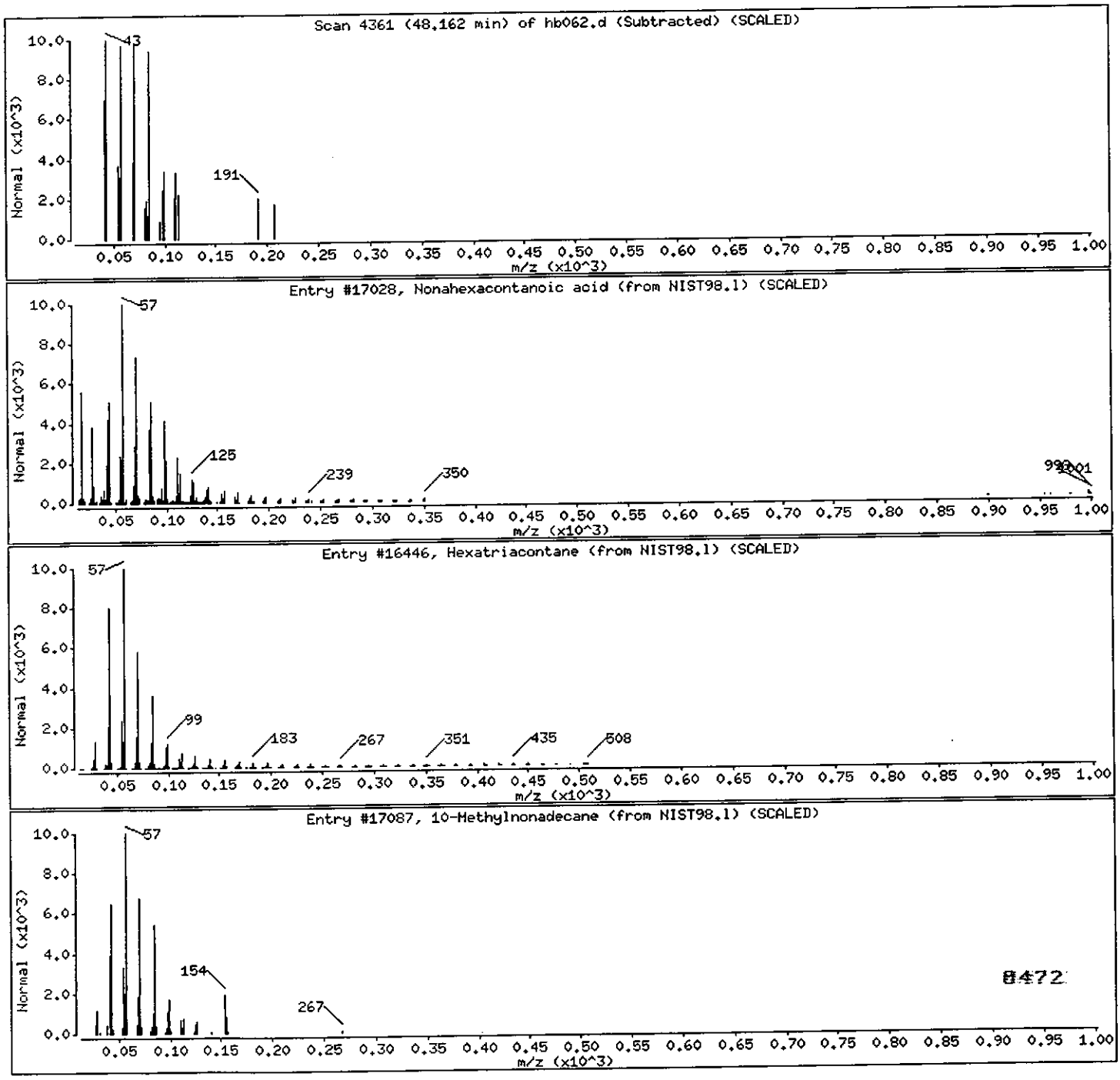
Volume Injected (uL): 2.0

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						
Nonahexacontanoic acid	40710-32-5	NIST98.1	17028	59	C69H138O2	999
Hexatriacontane	630-06-8	NIST98.1	16446	59	C36H74	507
10-Methylnonadecane	56862-62-5	NIST98.1	17087	59	C20H42	282



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

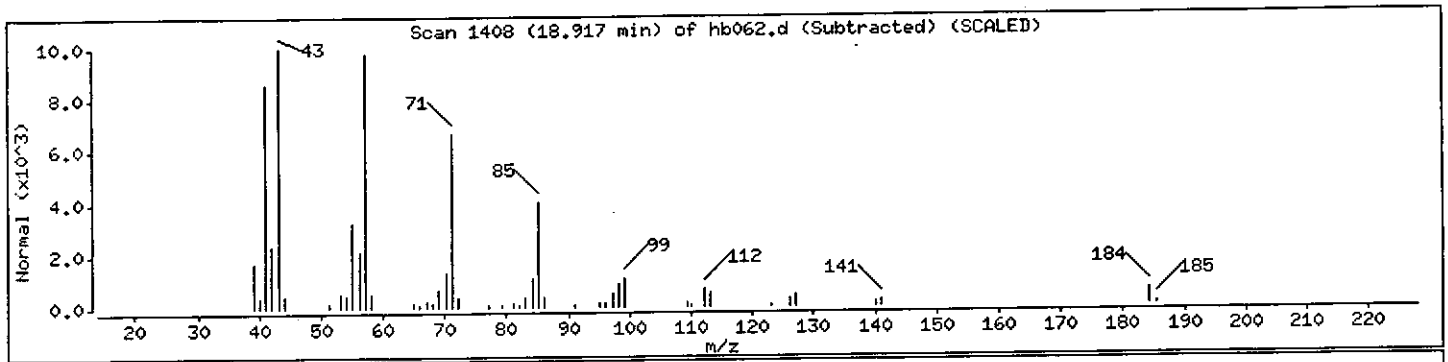
Volume Injected (uL): 2.0

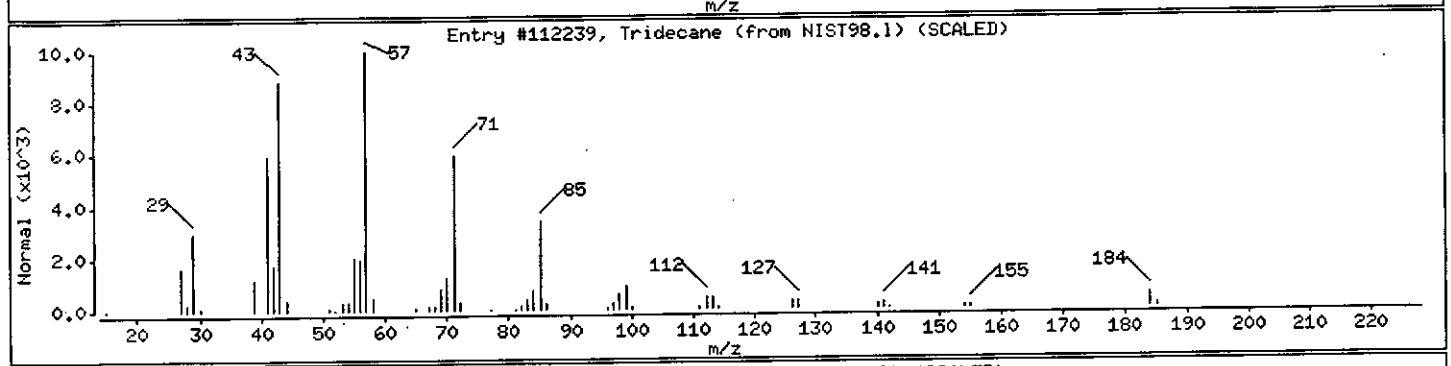
Operator: lmh00956

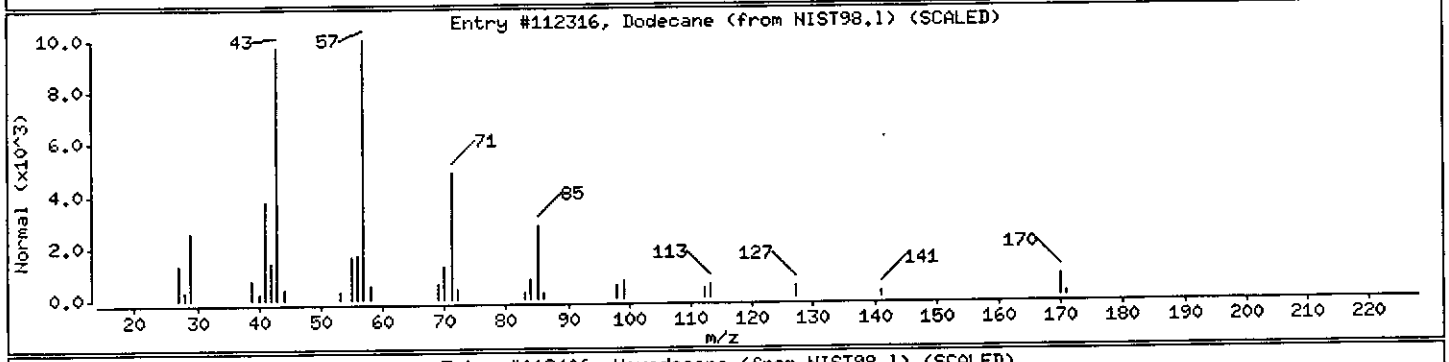
Column phase: J&W DB-5.625

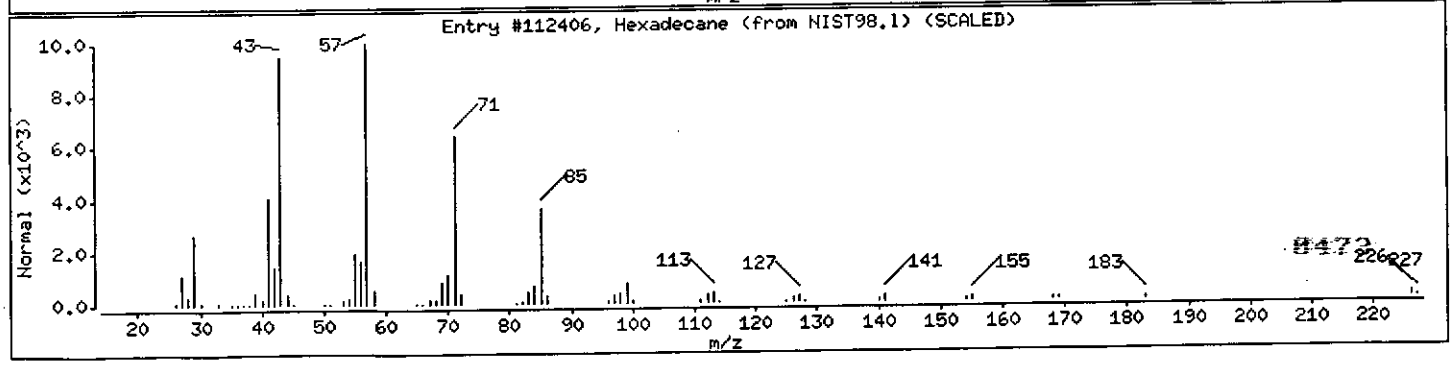
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	NIST98.1	112239	97	C13H28	184
Dodecane	112-40-3	NIST98.1	112316	86	C12H26	170
Hexadecane	544-76-3	NIST98.1	112406	86	C16H34	226









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

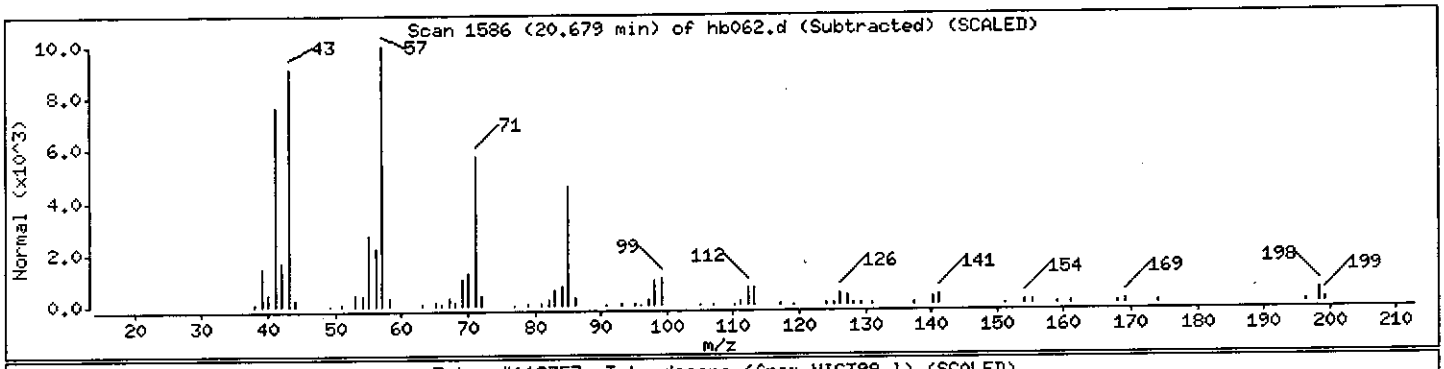
Volume Injected (uL): 2.0

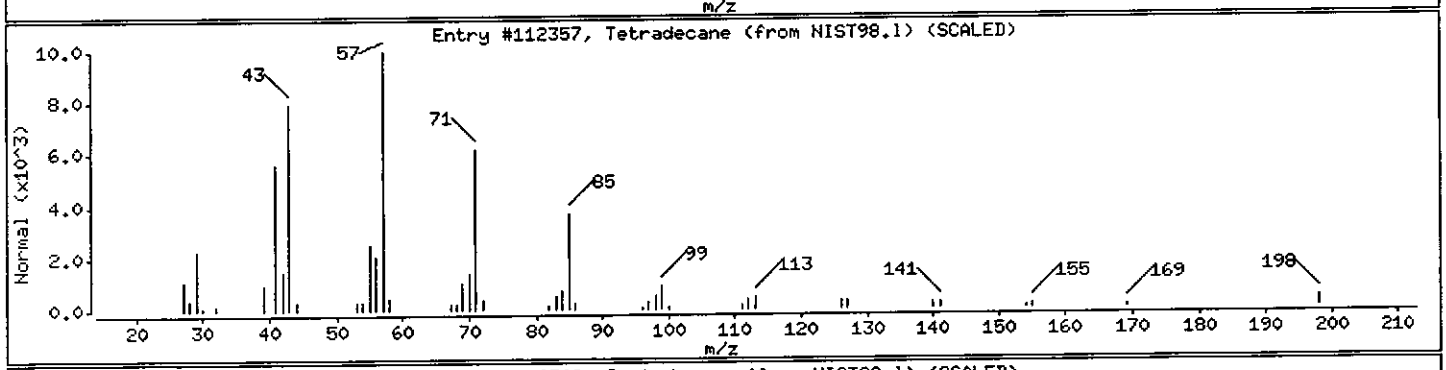
Operator: lmh00956

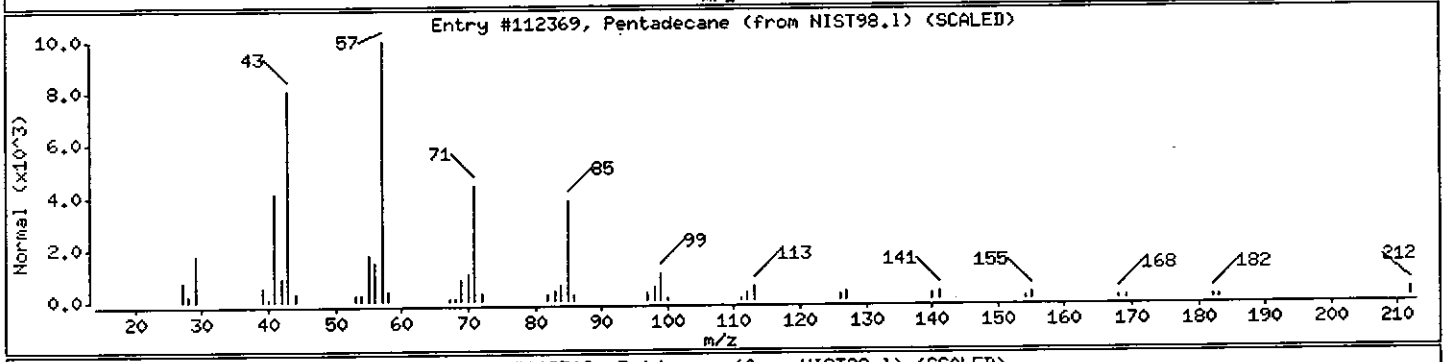
Column phase: J&W DB-5.625

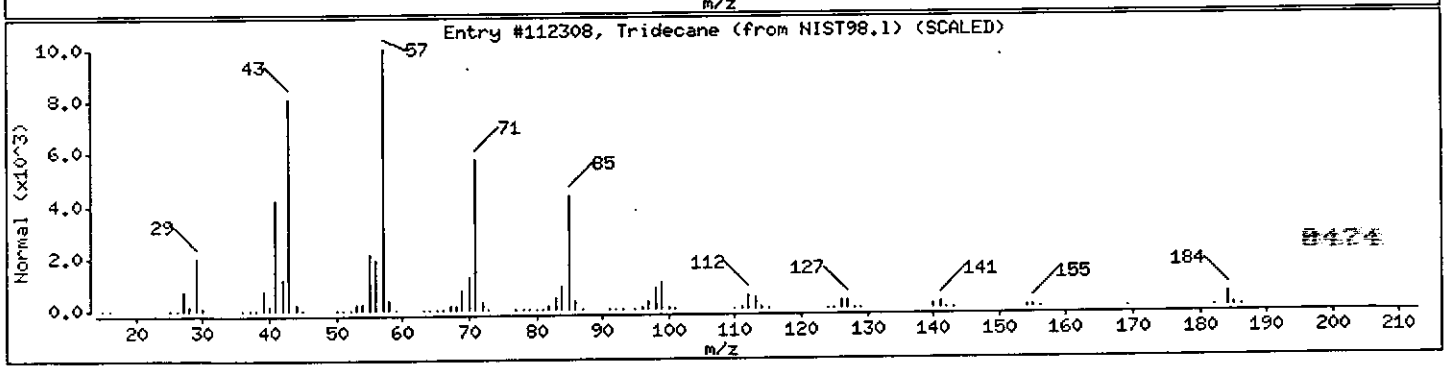
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane	629-59-4	NIST98.1	112357	98	C14H30	198
Pentadecane	629-62-9	NIST98.1	112369	90	C15H32	212
Tridecane	629-50-5	NIST98.1	112308	90	C13H28	184









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

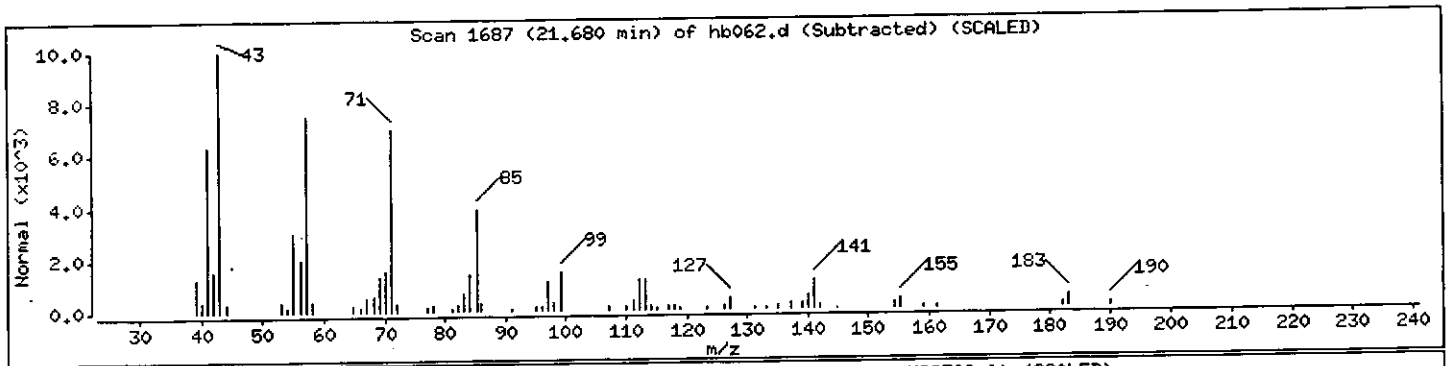
Volume Injected (uL): 2.0

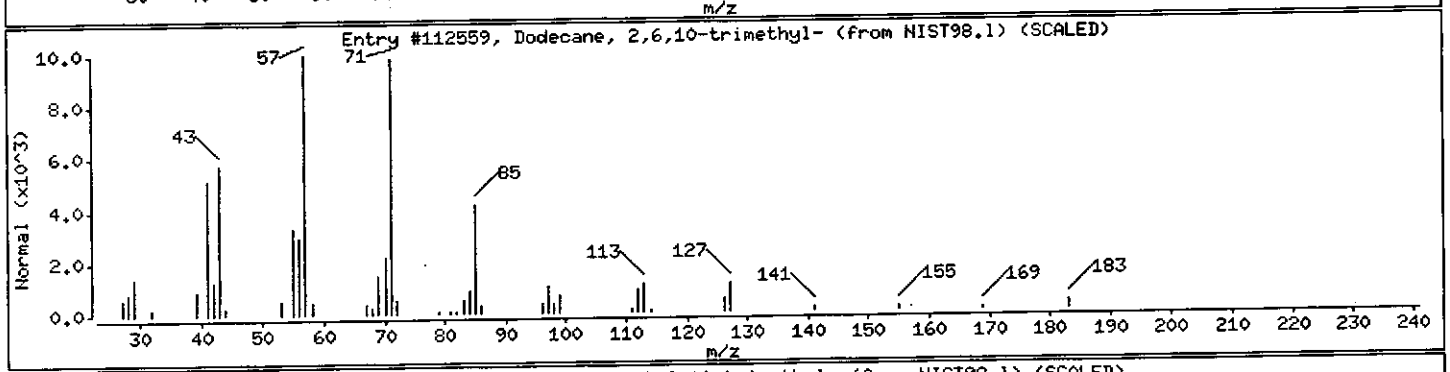
Operator: lmh00956

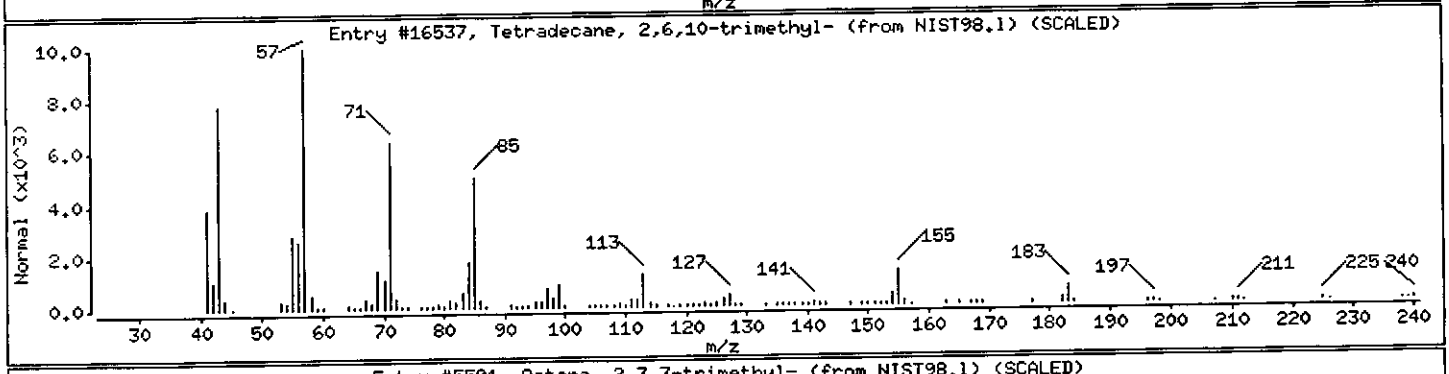
Column phase: J&W DB-5.625

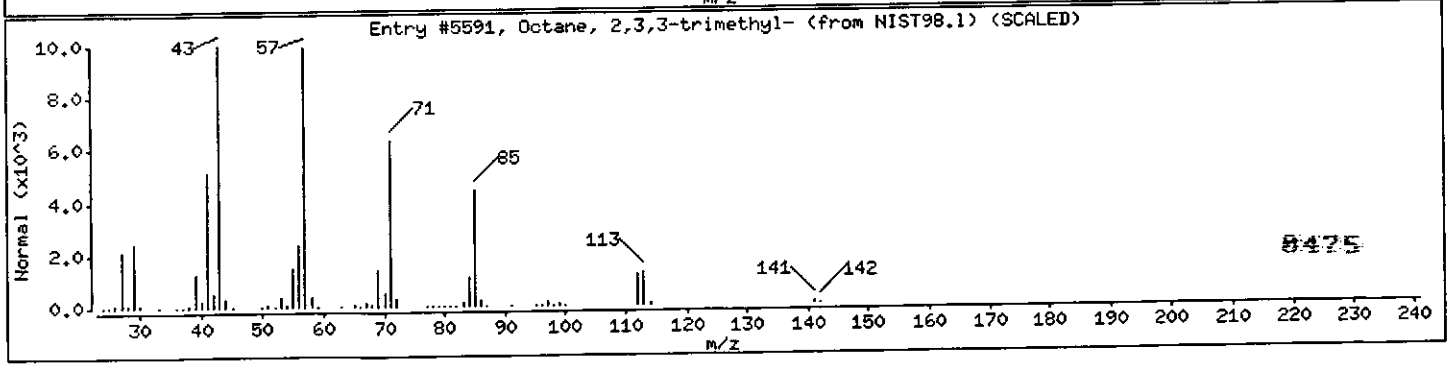
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST98.1	112559	80	C15H32	212
Tetradecane, 2,6,10-trimethyl-	14905-56-7	NIST98.1	16537	80	C17H36	240
Octane, 2,3,3-trimethyl-	62016-30-2	NIST98.1	5591	80	C11H24	156









8475

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

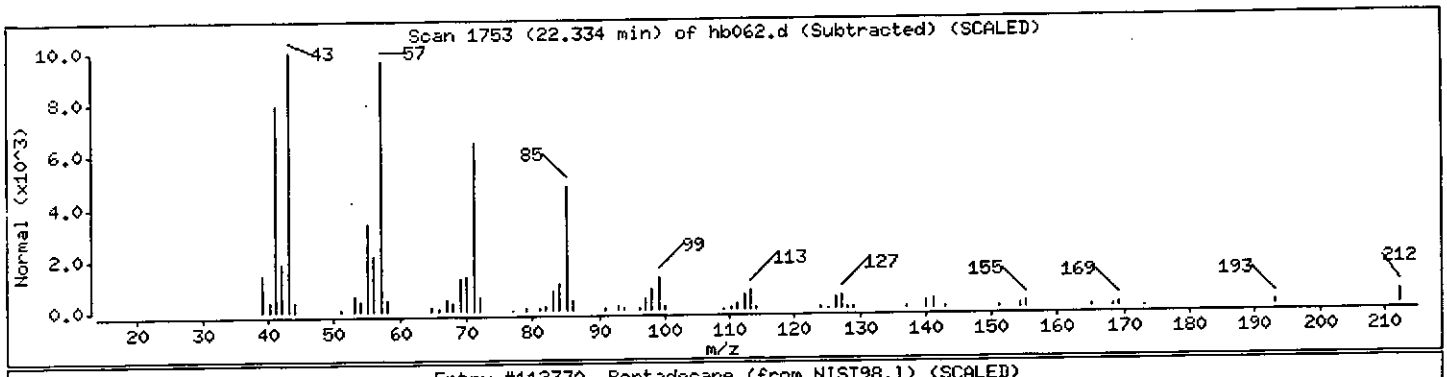
Volume Injected (uL): 2.0

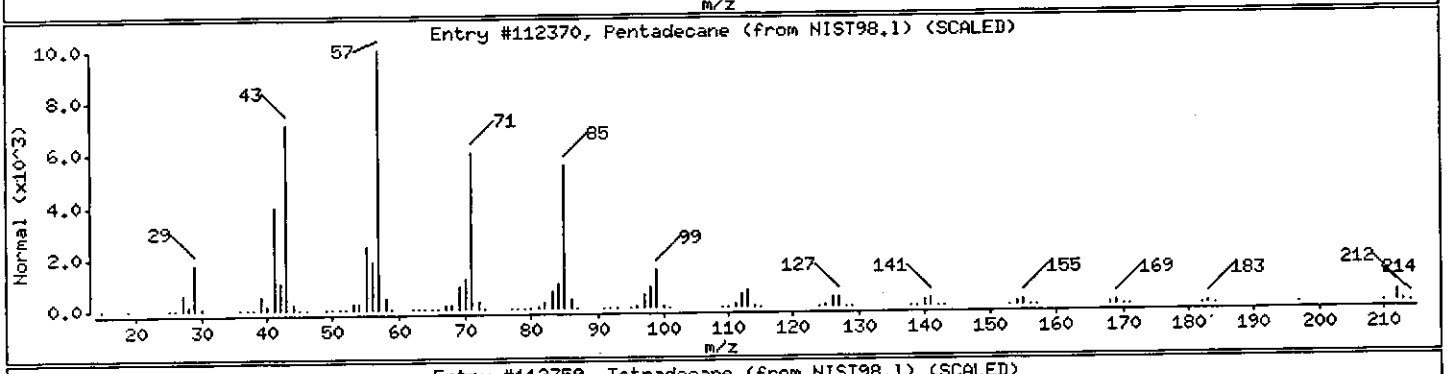
Operator: lmh00956

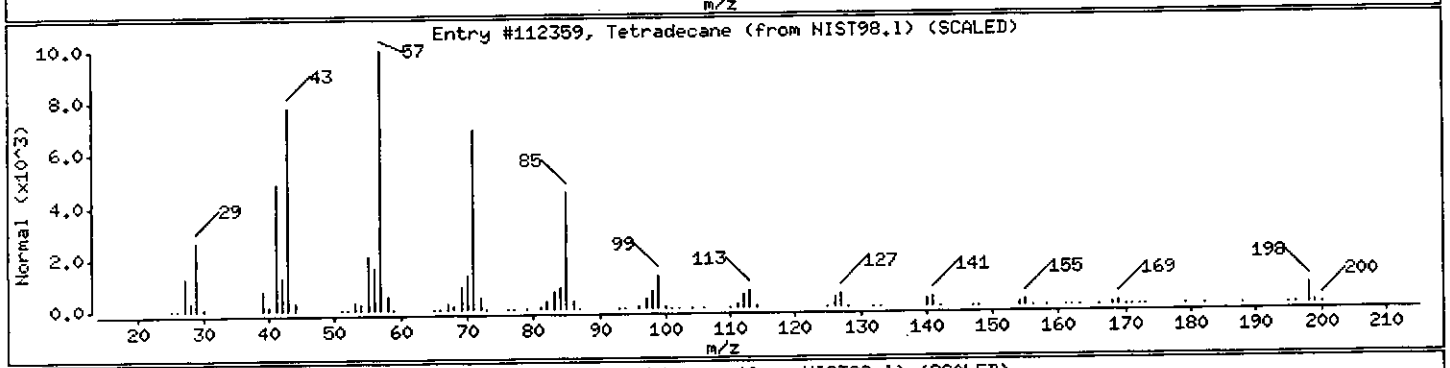
Column phase: J&W DB-5.625

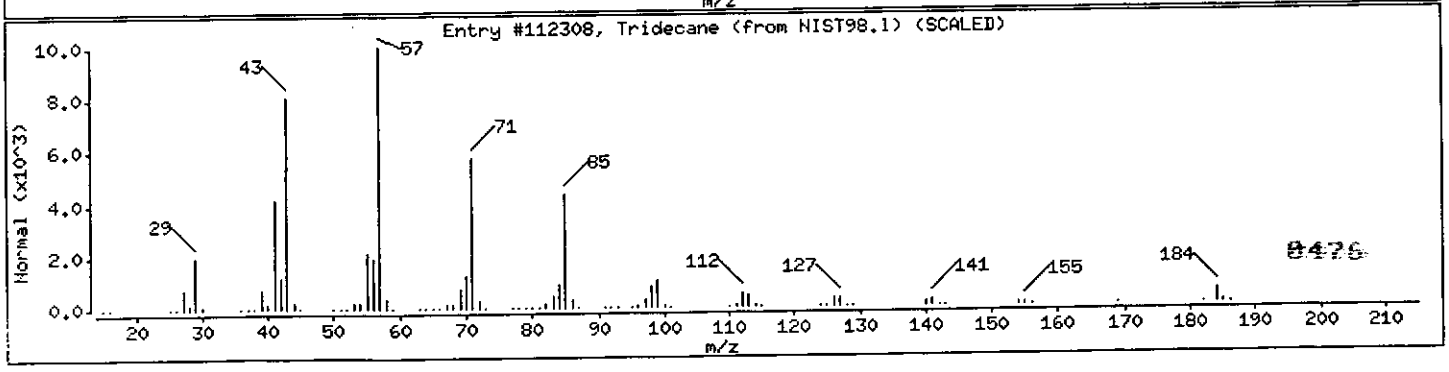
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	98	C15H32	212
Tetradecane	629-59-4	NIST98.1	112359	91	C14H30	198
Tridecane	629-50-5	NIST98.1	112308	91	C13H28	184









8476

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

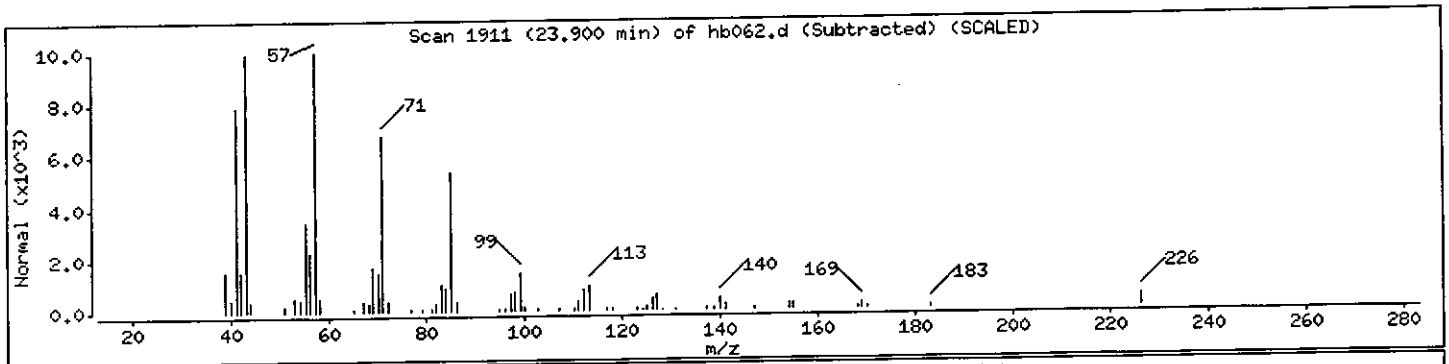
Volume Injected (uL): 2.0

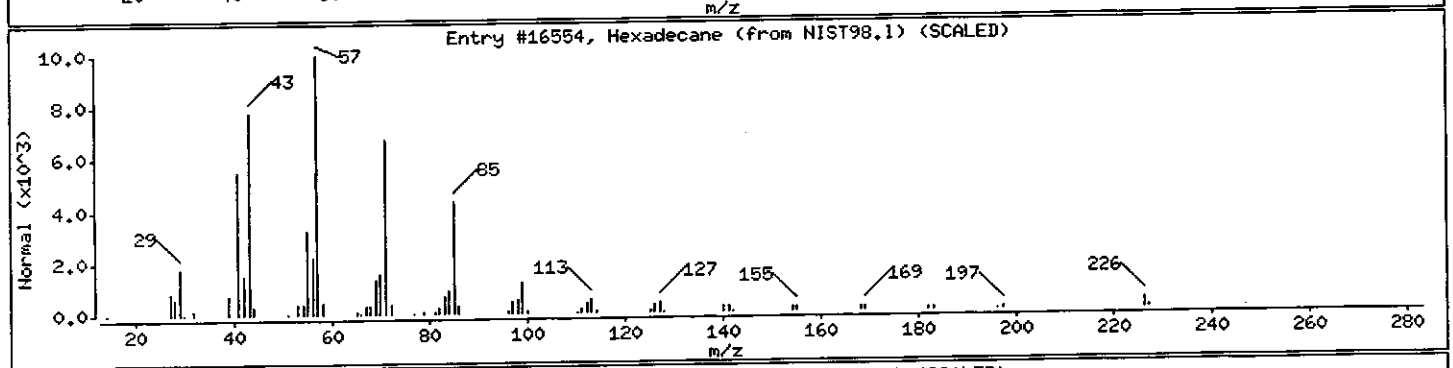
Operator: lmh00956

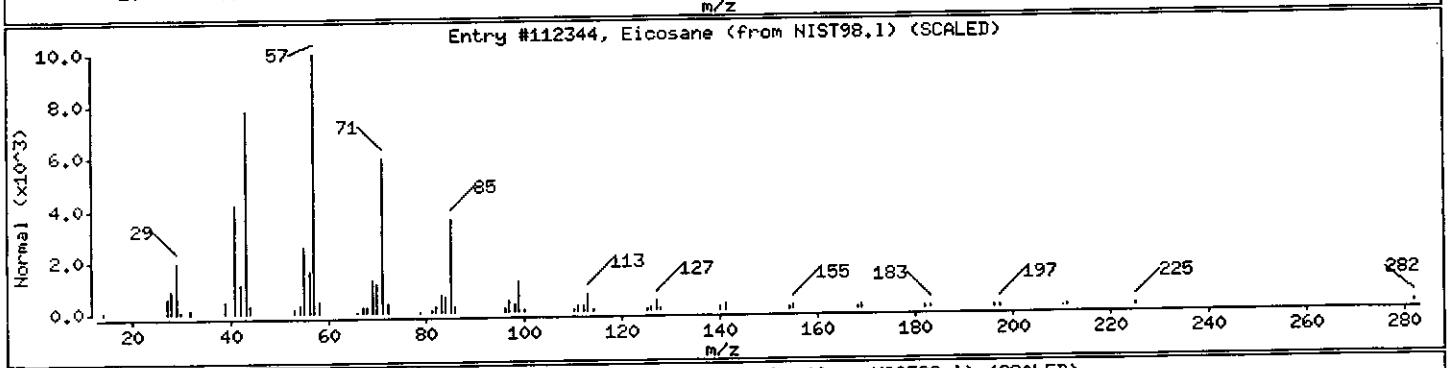
Column phase: J&W DB-5.625

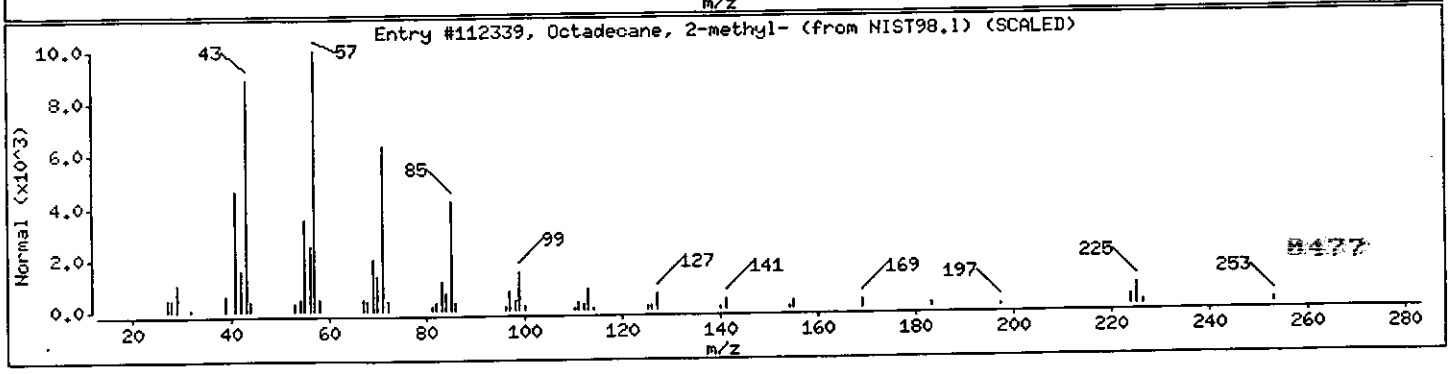
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane	544-76-3	NIST98.1	16554	98	C16H34	226
Eicosane	112-95-8	NIST98.1	112344	91	C20H42	282
Octadecane, 2-methyl-	1560-88-9	NIST98.1	112339	91	C19H40	268









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

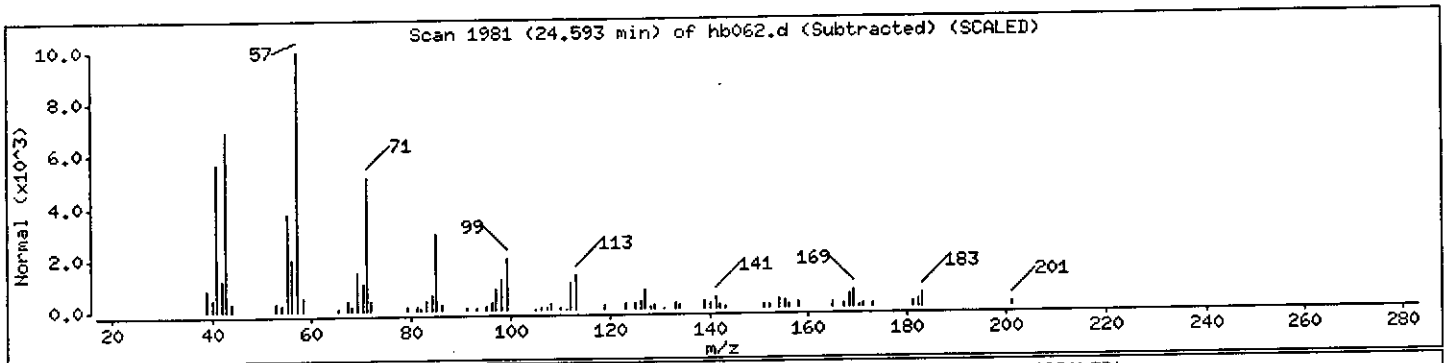
Volume Injected (uL): 2.0

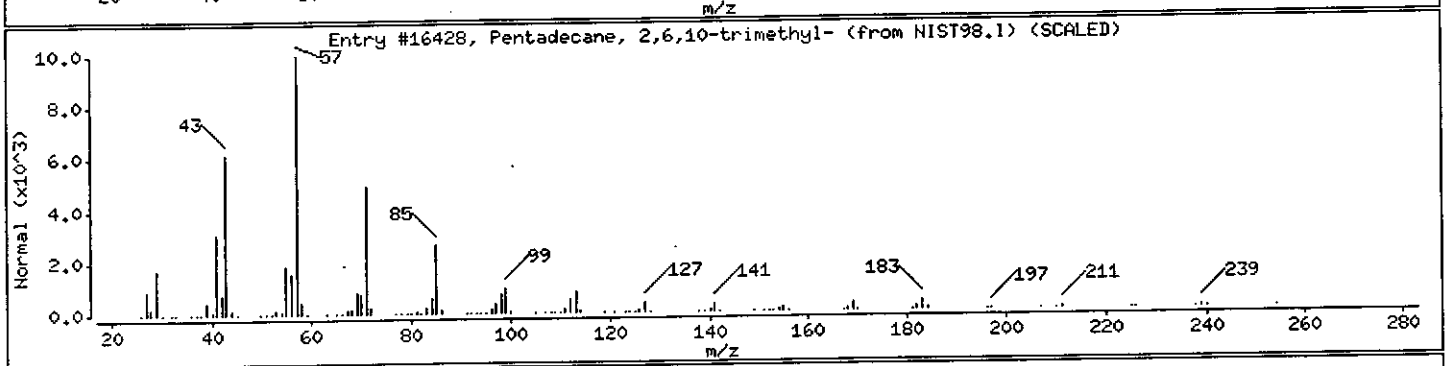
Operator: lmh00956

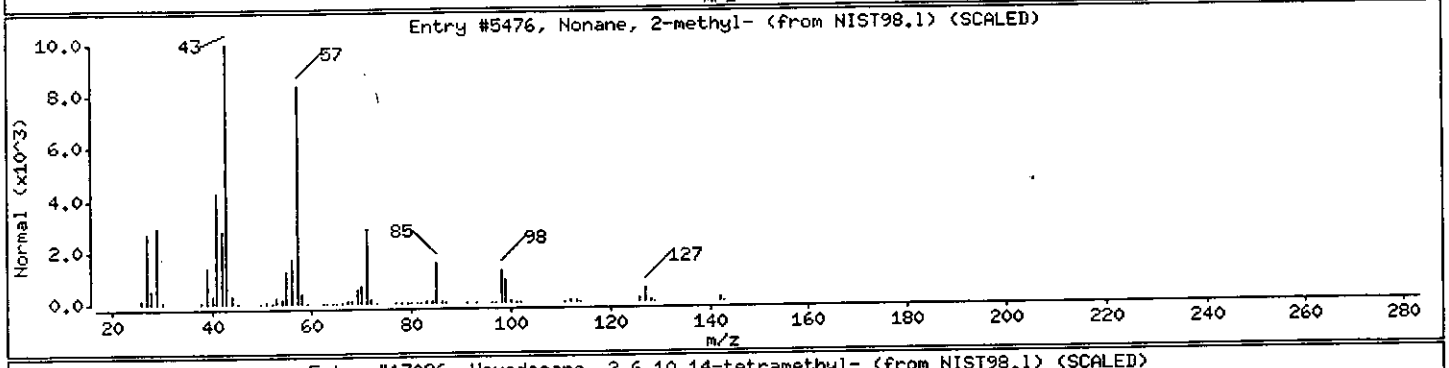
Column phase: J&W DB-5.625

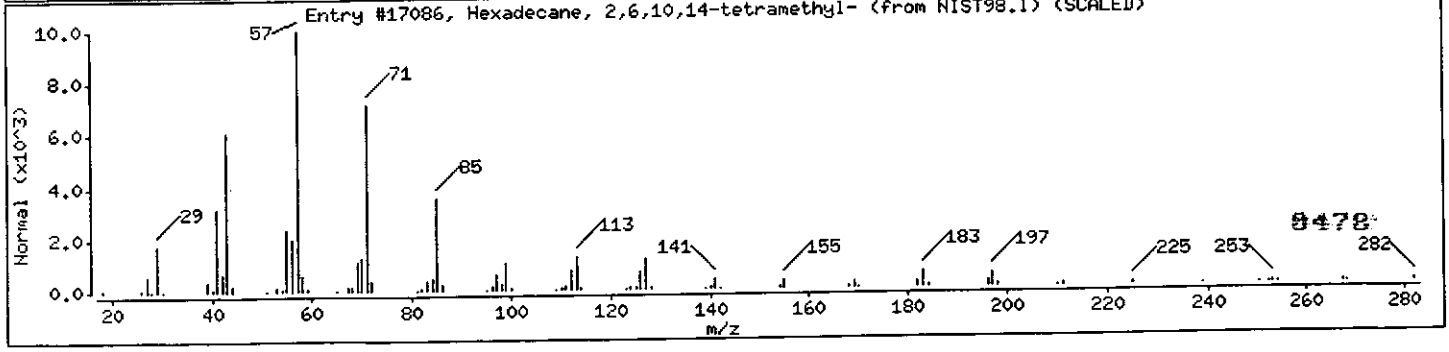
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST98.1	16428	86	C18H38	254
Nonane, 2-methyl-	871-83-0	NIST98.1	5476	76	C10H22	142
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.1	17086	72	C20H42	282









9478

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

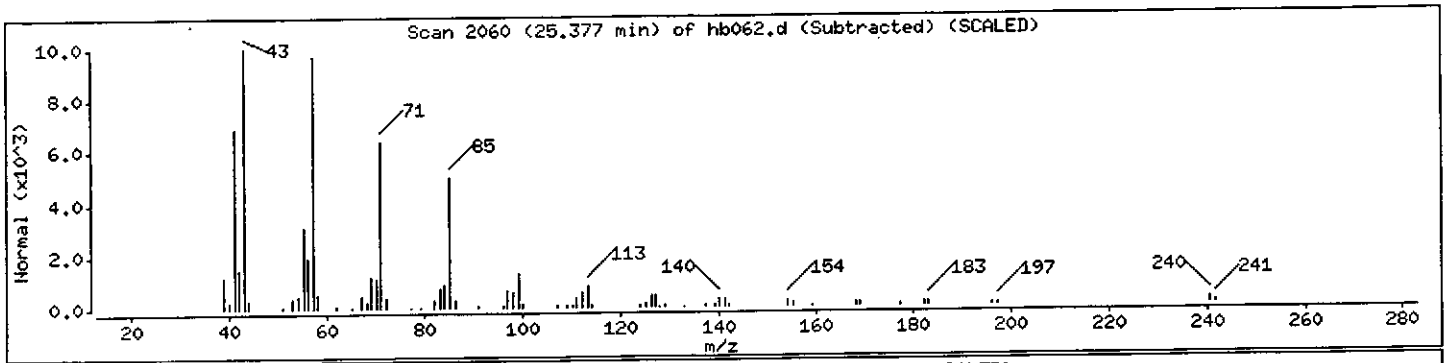
Volume Injected (uL): 2.0

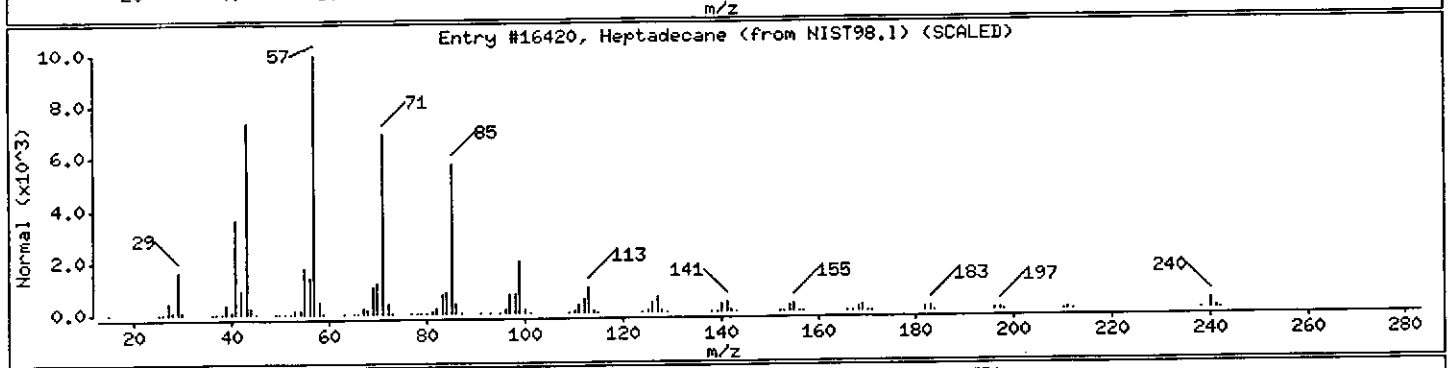
Operator: lmh00956

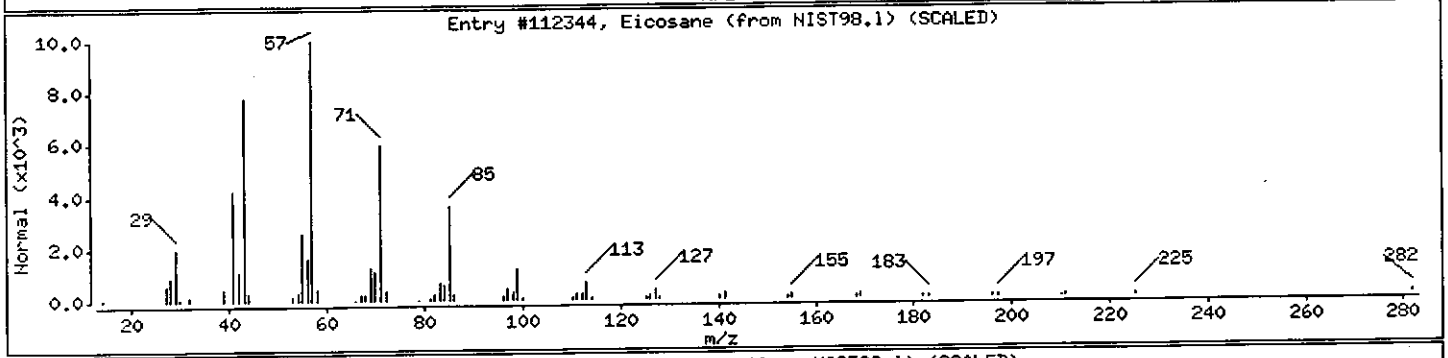
Column phase: J&W DB-5.625

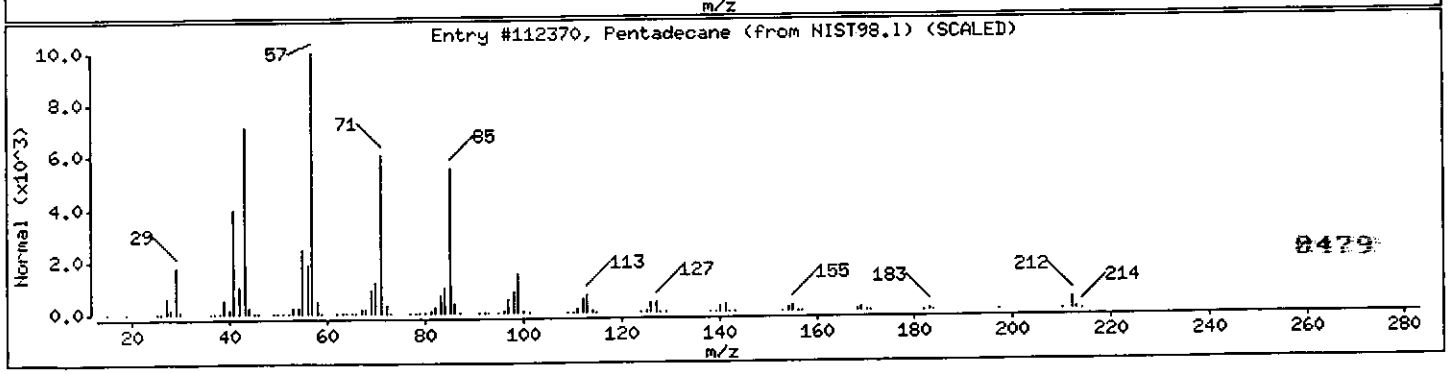
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	NIST98.1	16420	98	C17H36	240
Eicosane	112-95-8	NIST98.1	112344	91	C20H42	282
Pentadecane	629-62-9	NIST98.1	112370	91	C15H32	212









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

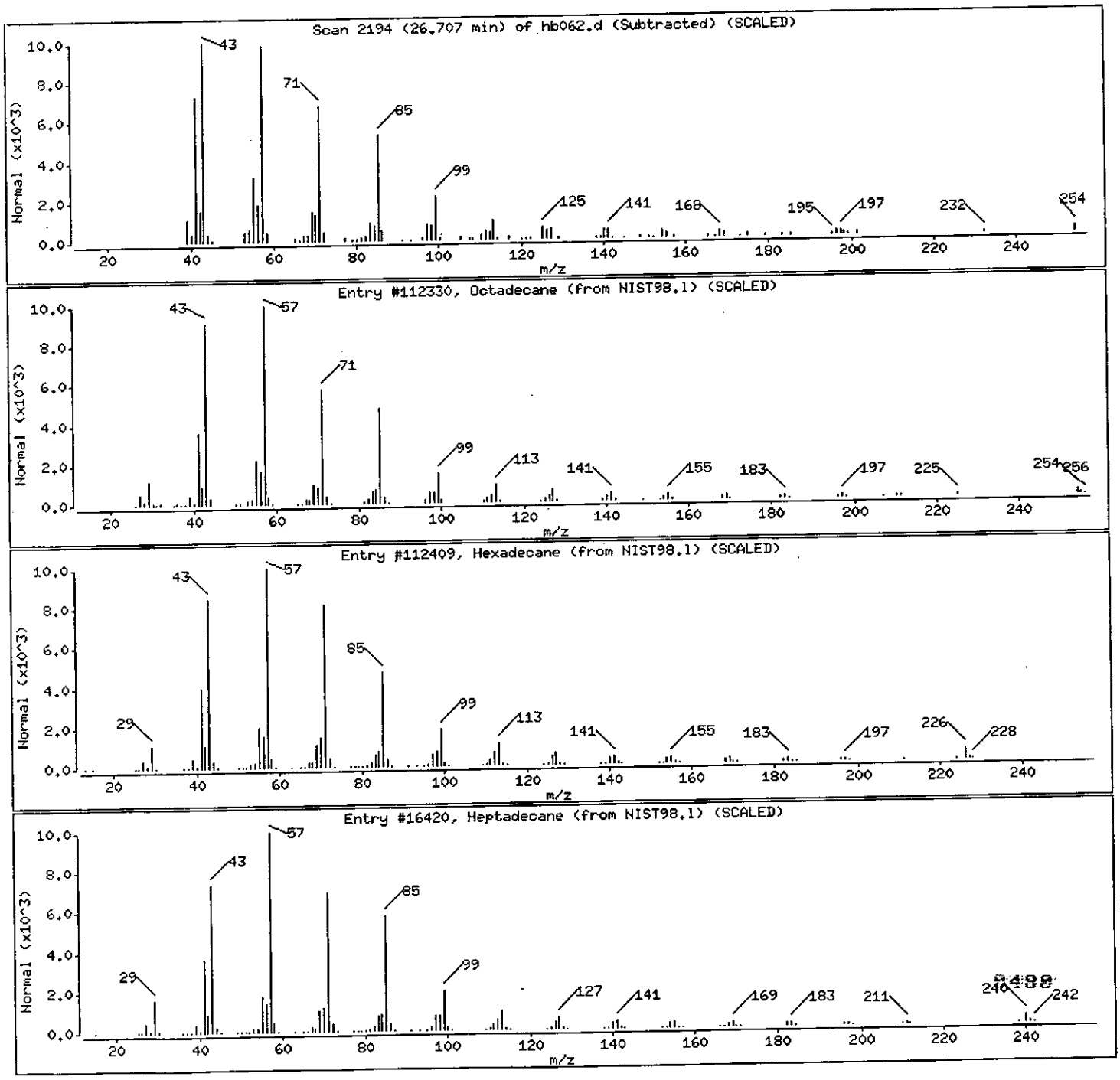
Volume Injected (uL): 2.0

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	93	C18H38	254
Hexadecane	544-76-3	NIST98.1	112409	87	C16H34	226
Heptadecane	629-78-7	NIST98.1	16420	87	C17H36	240



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

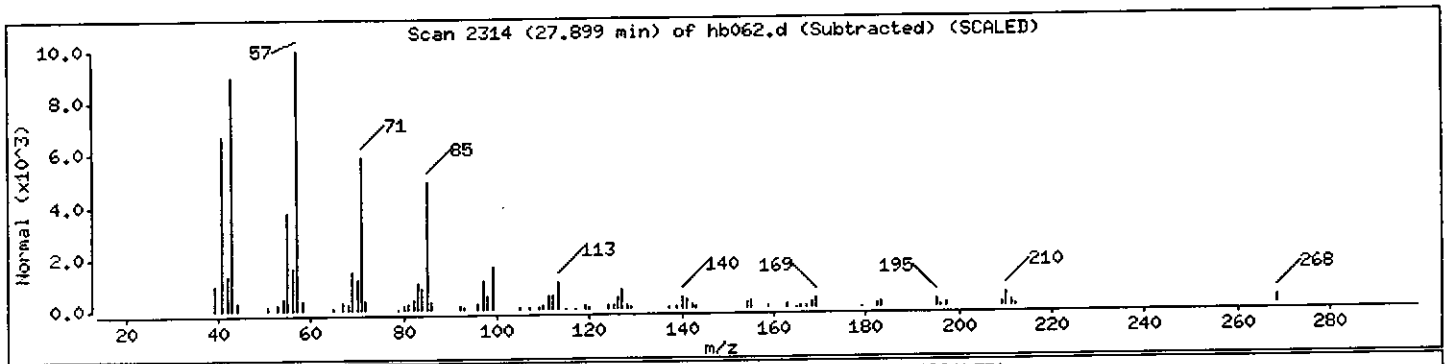
Volume Injected (uL): 2.0

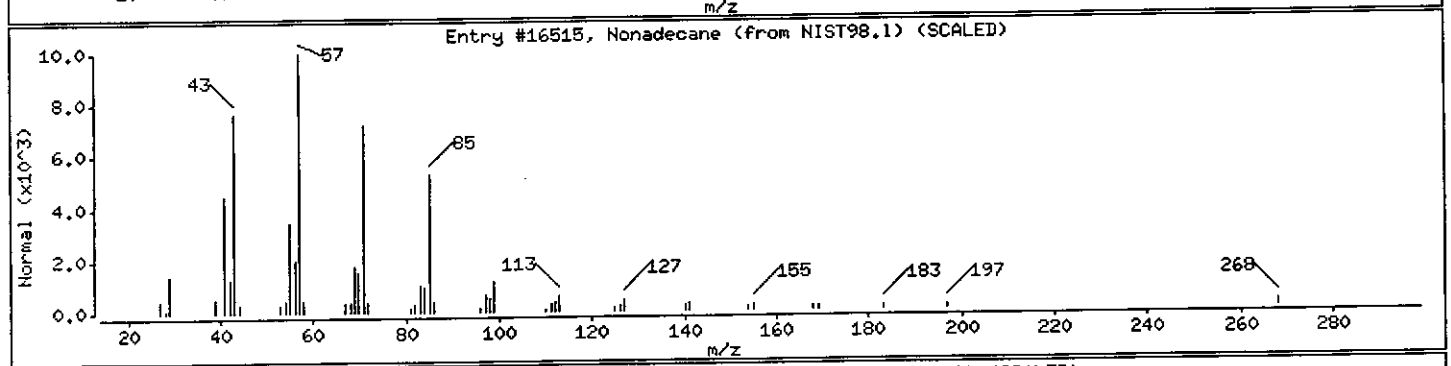
Operator: lmh00956

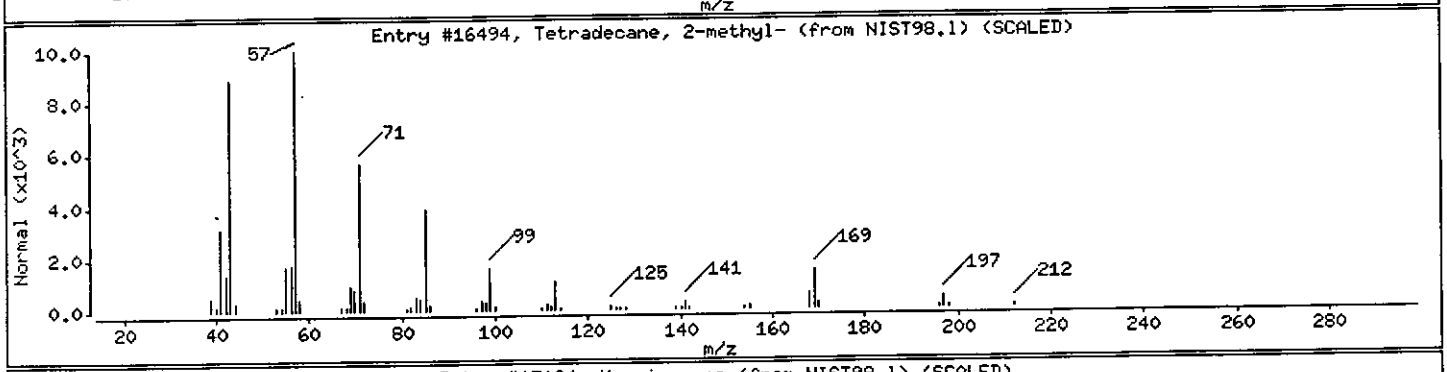
Column phase: J&W DB-5.625

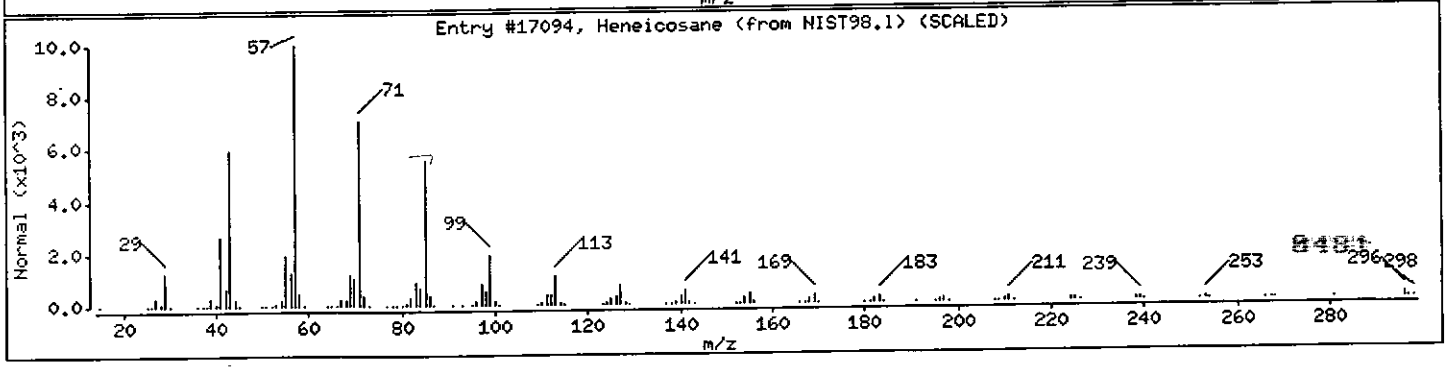
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	16515	98	C19H40	268
Tetradecane, 2-methyl-	1560-95-8	NIST98.1	16494	91	C15H32	212
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

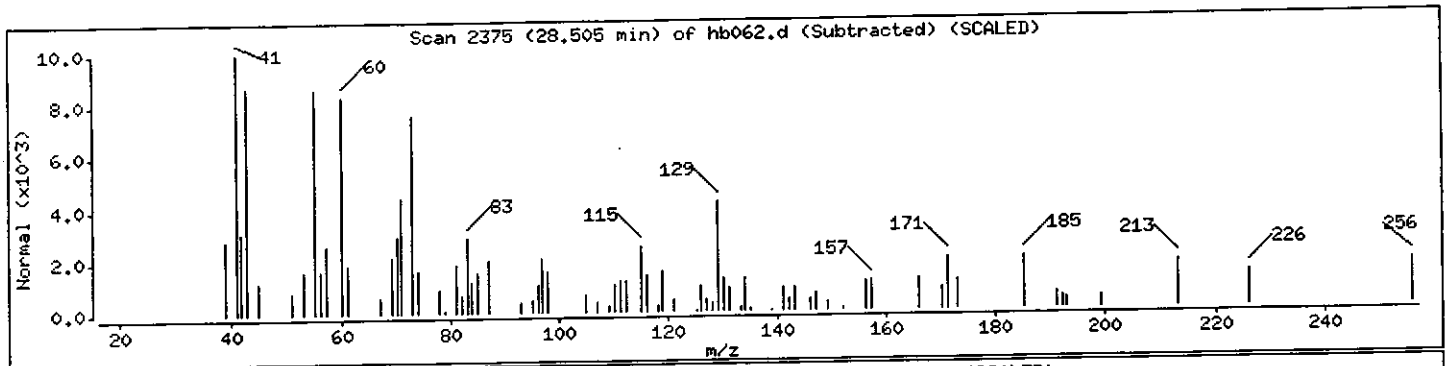
Volume Injected (uL): 2.0

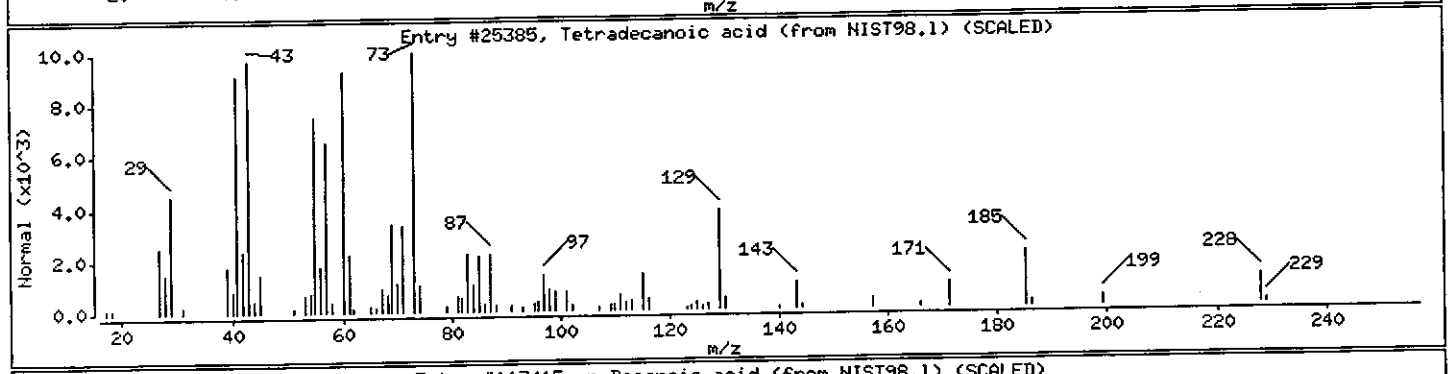
Operator: lmh00956

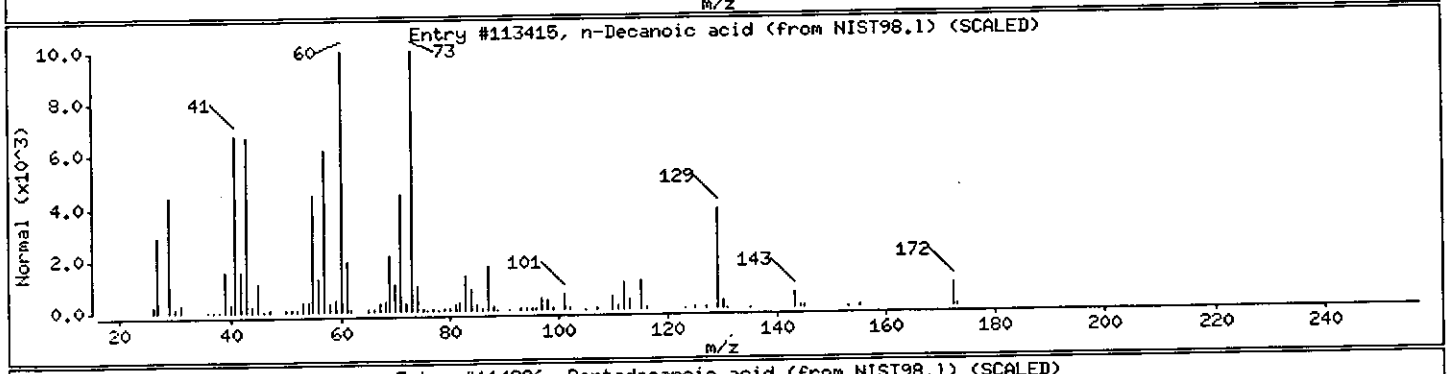
Column phase: J&W DB-5.625

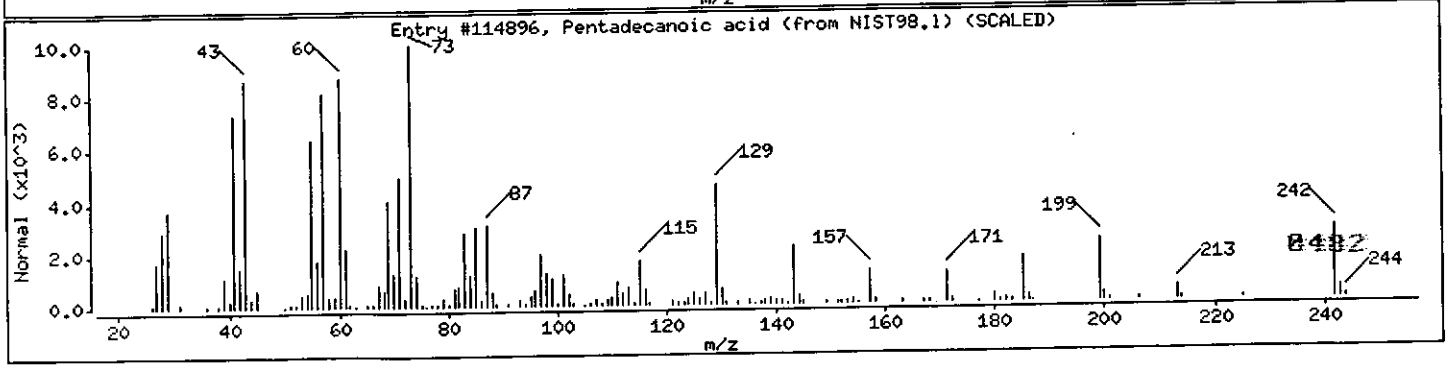
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Tetradecanoic acid	544-63-8	NIST98.1	25385	64	C14H28O2	228
n-Decanoic acid	334-48-5	NIST98.1	113415	53	C10H20O2	172
Pentadecanoic acid	1002-84-2	NIST98.1	114896	50	C15H30O2	242









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

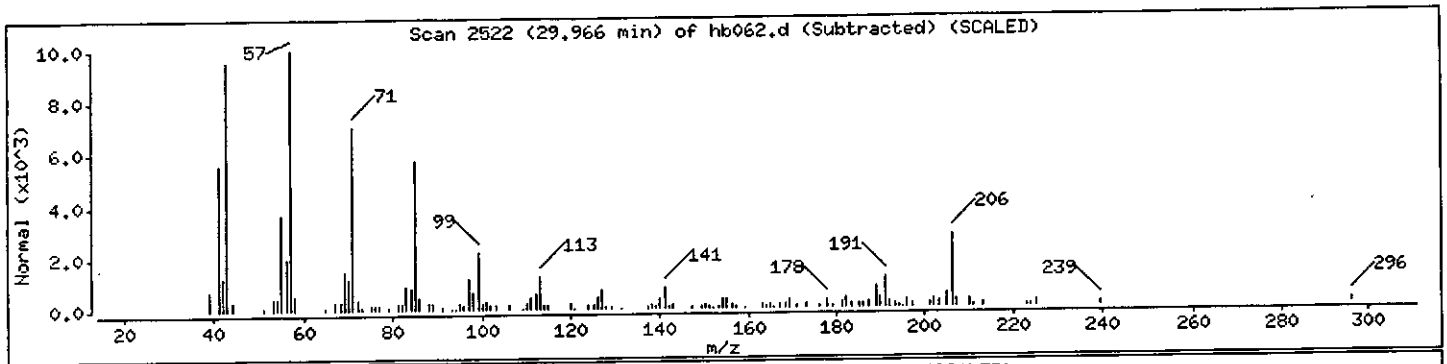
Volume Injected (uL): 2.0

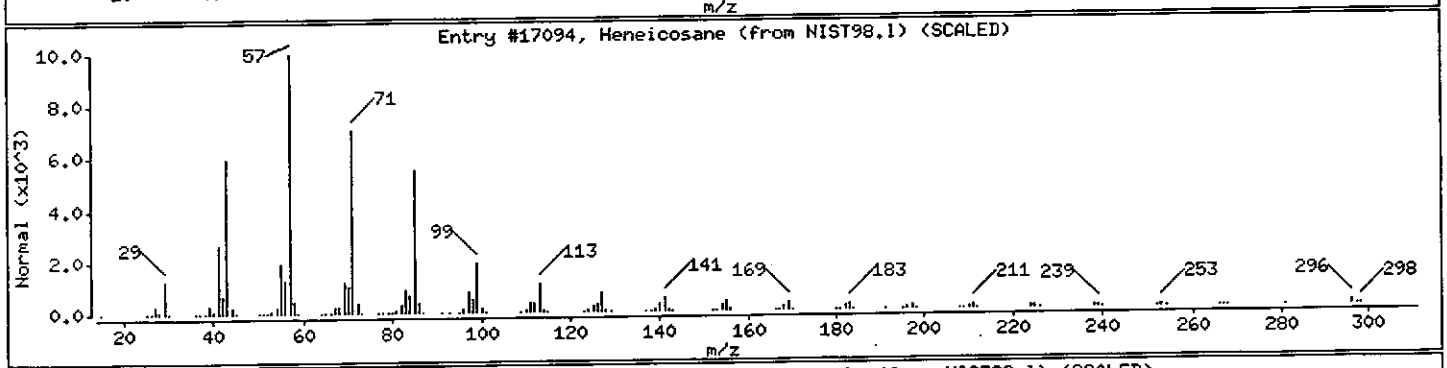
Operator: lmh00956

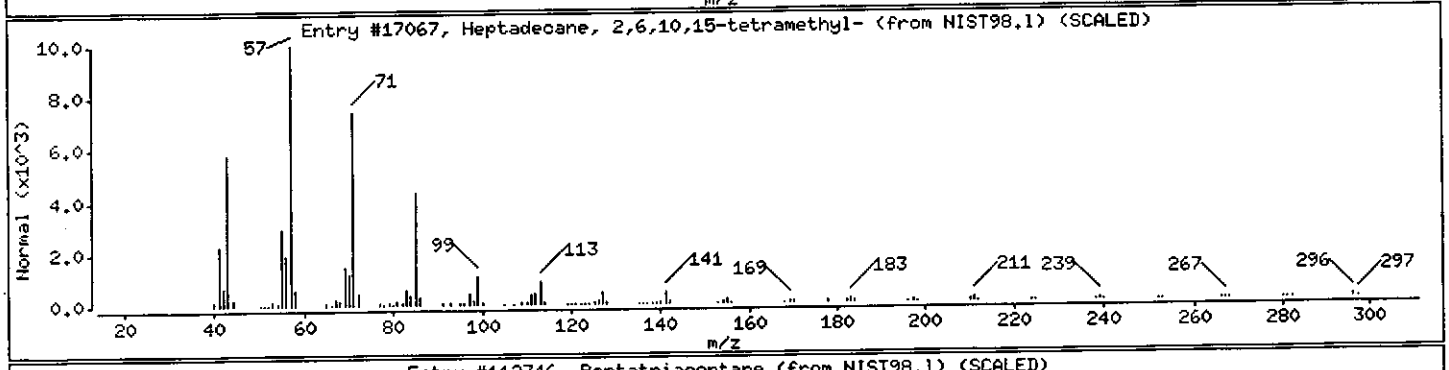
Column phase: J&W DB-5.625

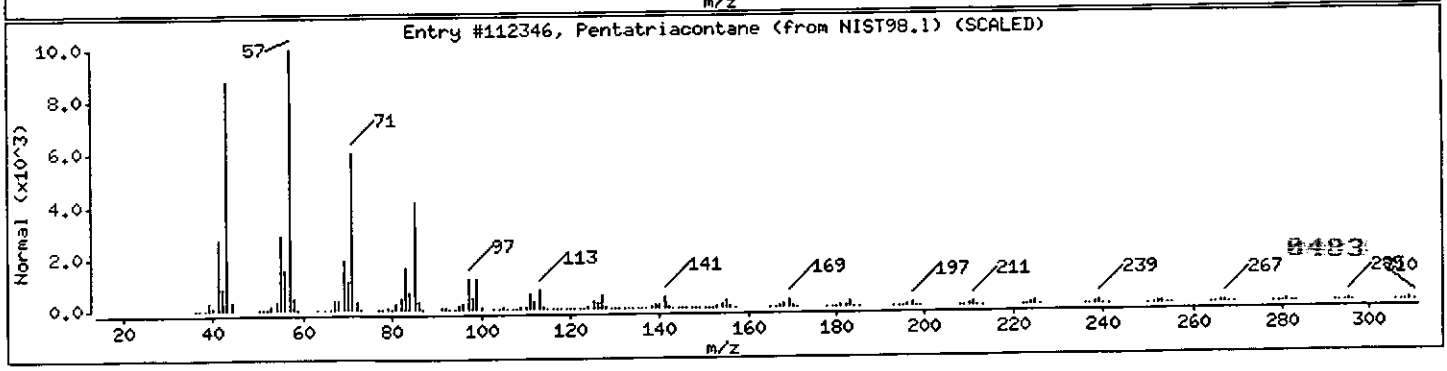
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	99	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	89	C21H44	296
Pentatriacontane	630-07-9	NIST98.1	112346	76	C35H72	493









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

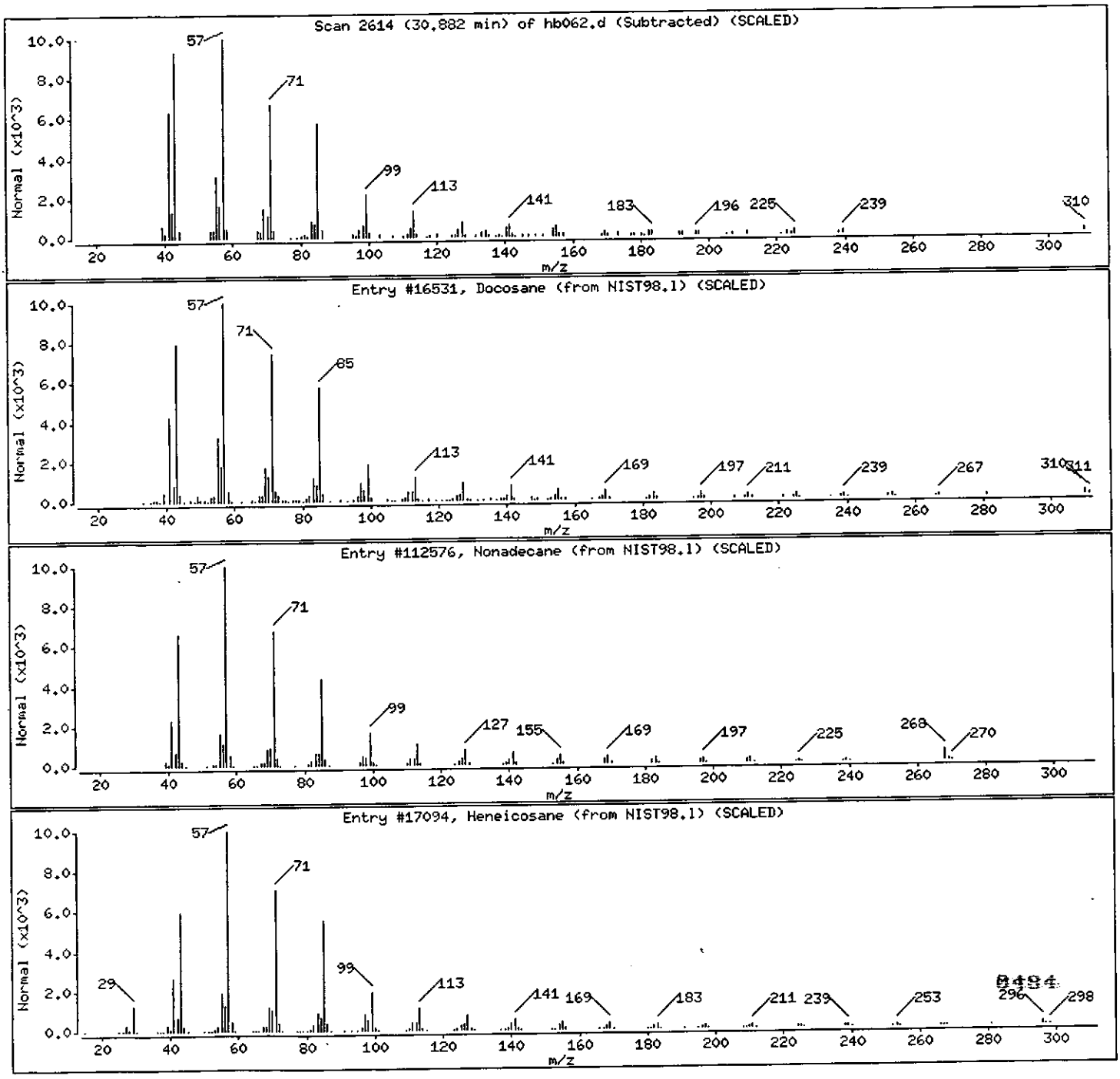
Volume Injected (uL): 2.0

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	112576	87	C19H40	268
Heneicosane	629-94-7	NIST98.1	17094	87	C21H44	296



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

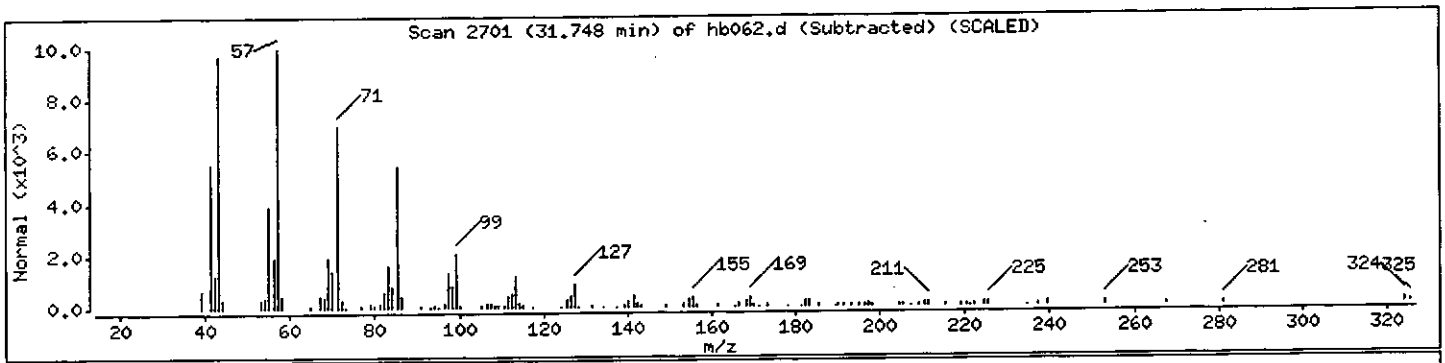
Volume Injected (uL): 2.0

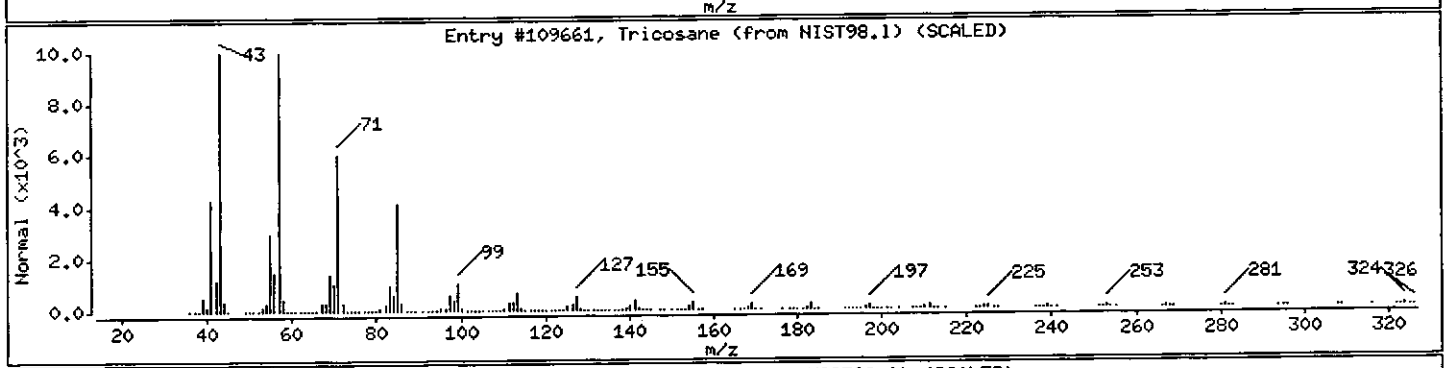
Operator: lmh00956

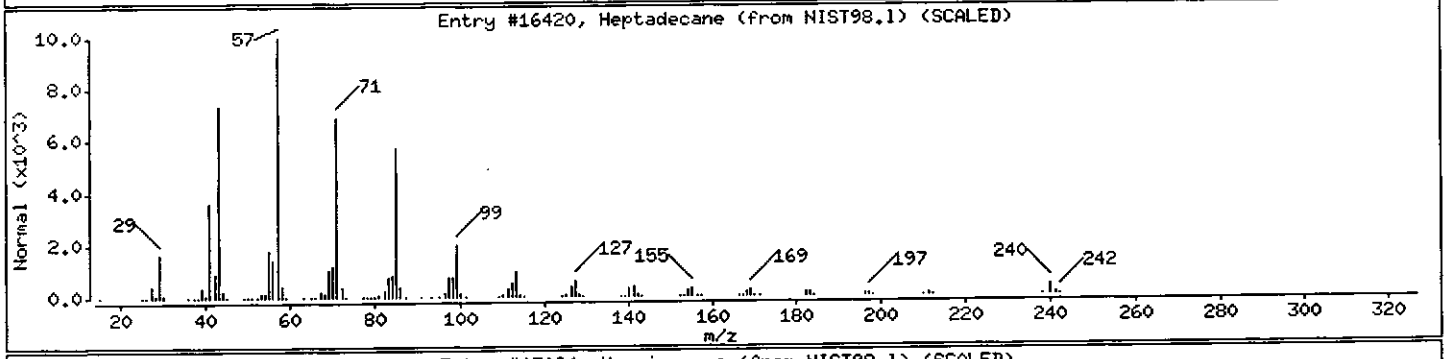
Column phase: J&W DB-5.625

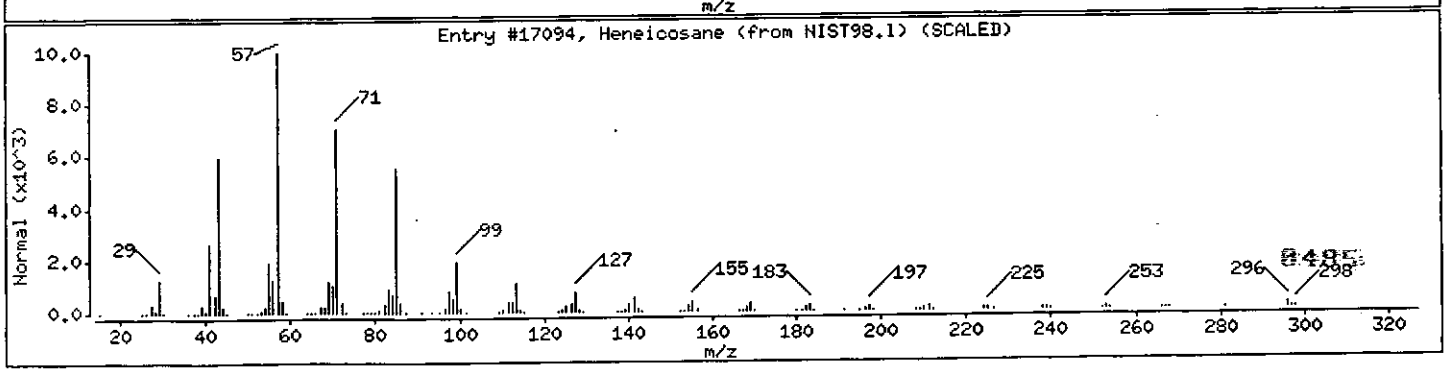
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109661	98	C23H48	324
Heptadecane	629-78-7	NIST98.1	16420	90	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

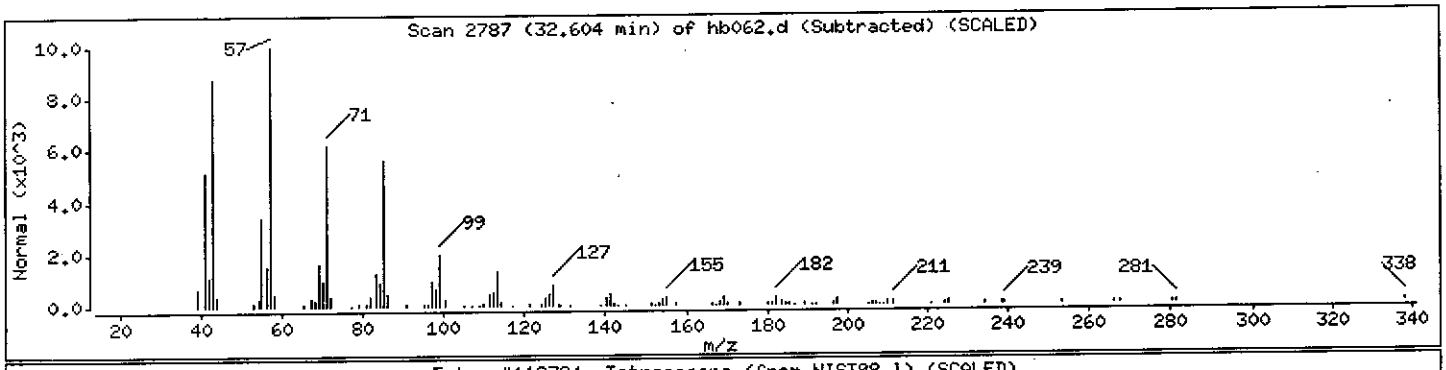
Operator: lmh00956

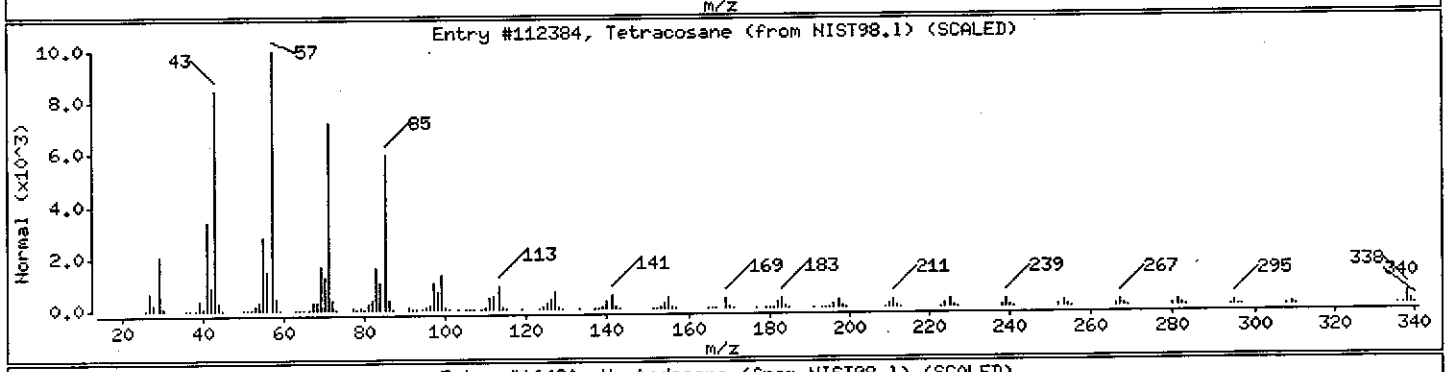
Column phase: J&W DB-5.625

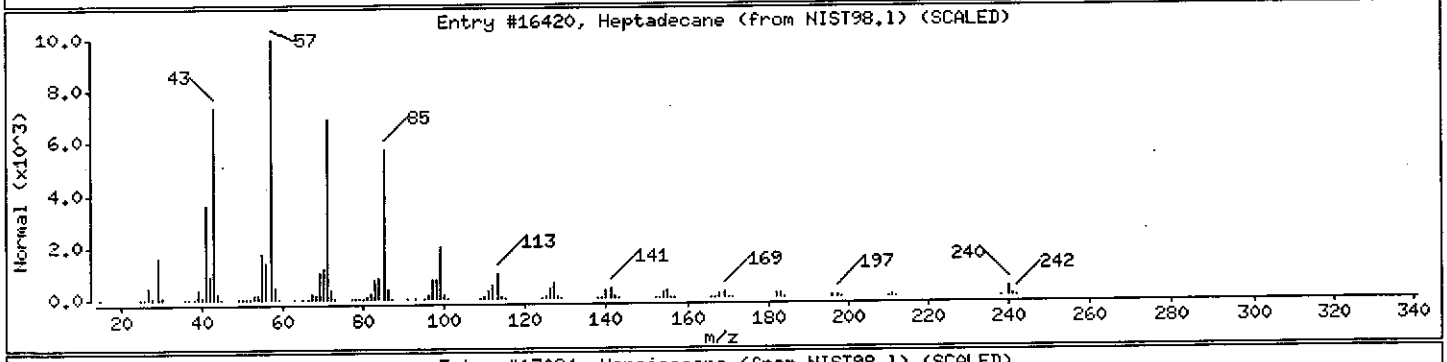
Column diameter: 0.25

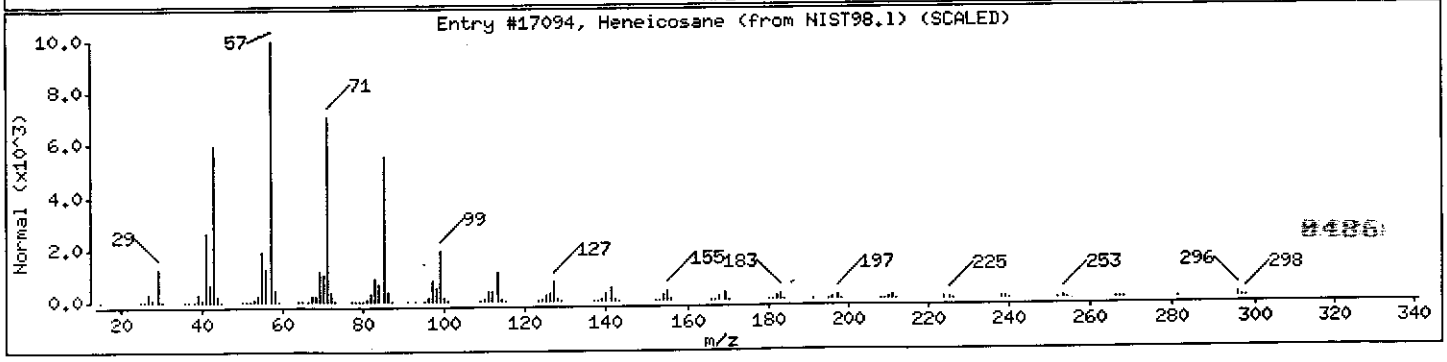
(B) Mn 1986 92 107106

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracosane	646-31-1	NIST98.1	112384	95	C24H50	338
Heptadecane	629-78-7	NIST98.1	16420	91	C17H36	240
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

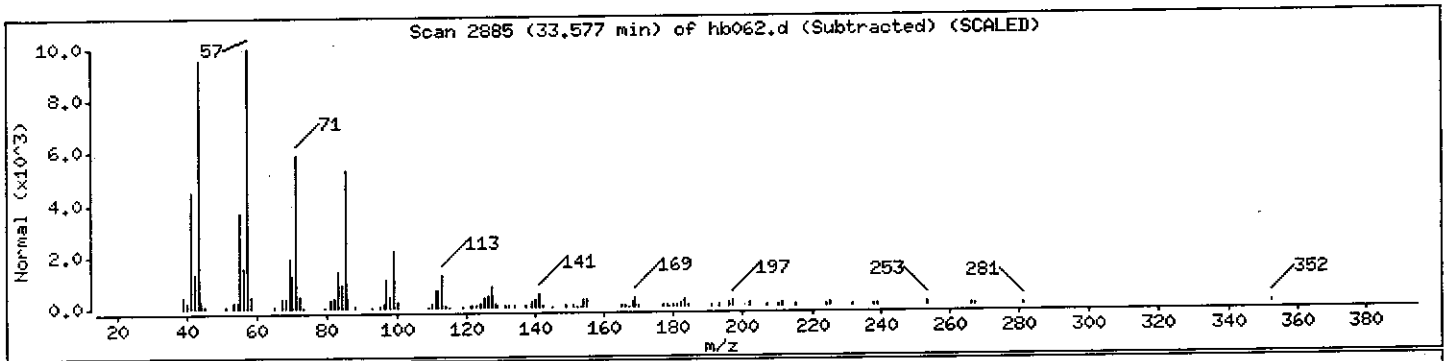
Volume Injected (uL): 2.0

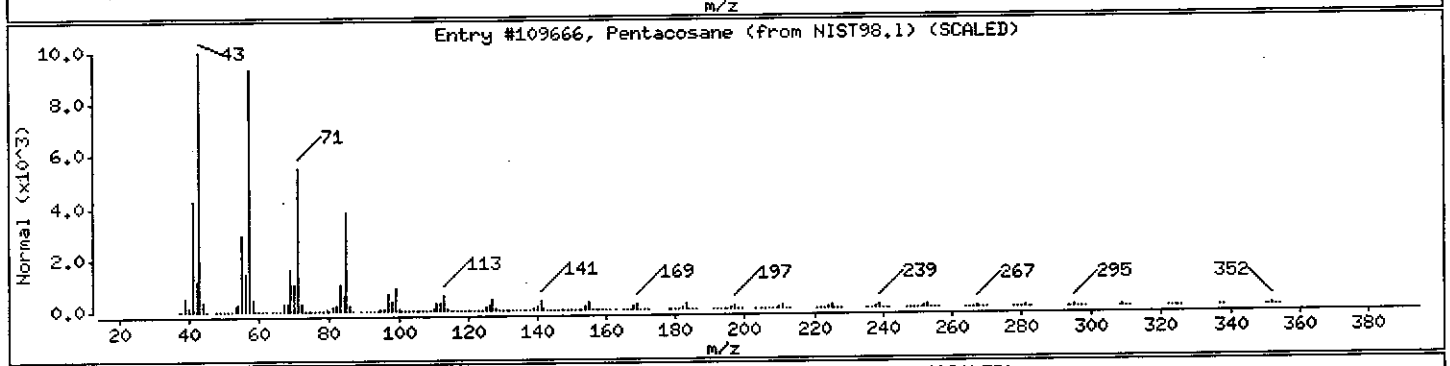
Operator: lmh00956

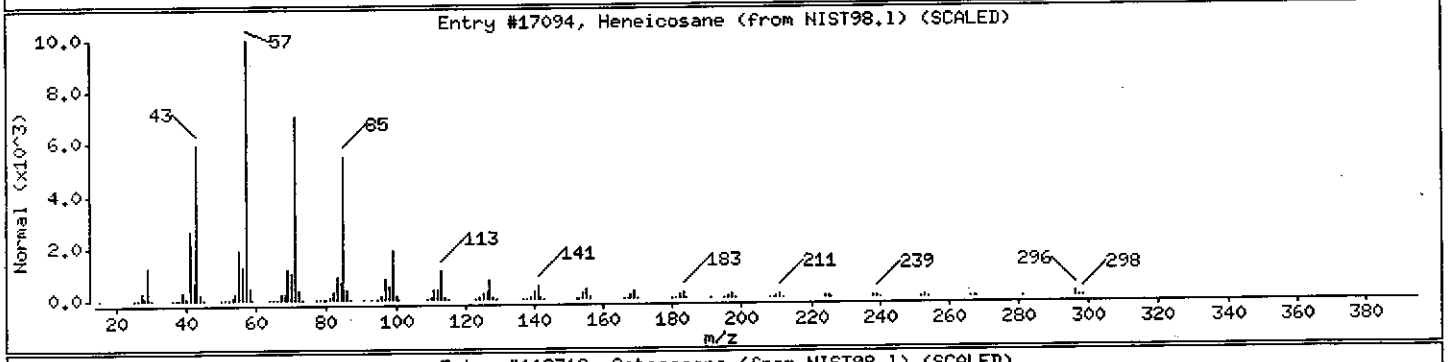
Column phase: J&W DB-5.625

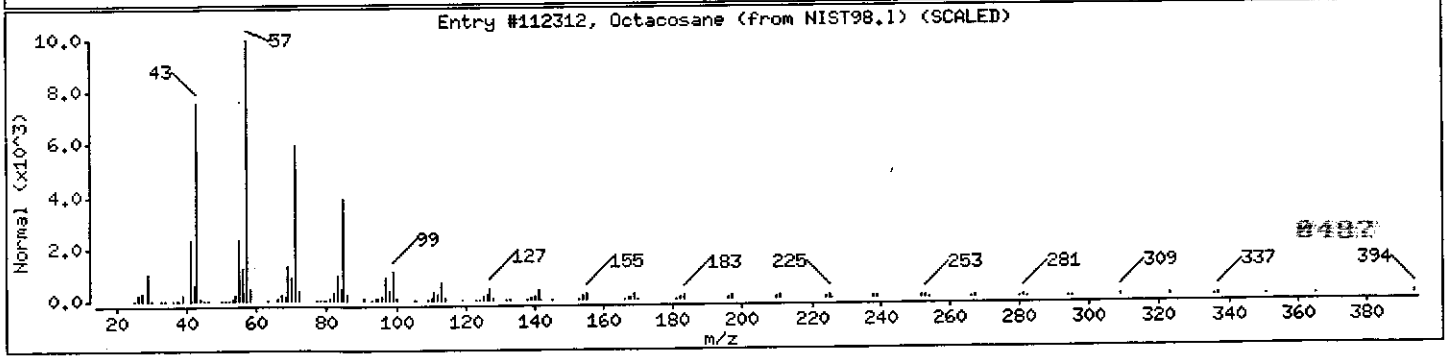
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentacosane	629-99-2	NIST98.1	109666	96	C25H52	352
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Octacosane	630-02-4	NIST98.1	112312	90	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

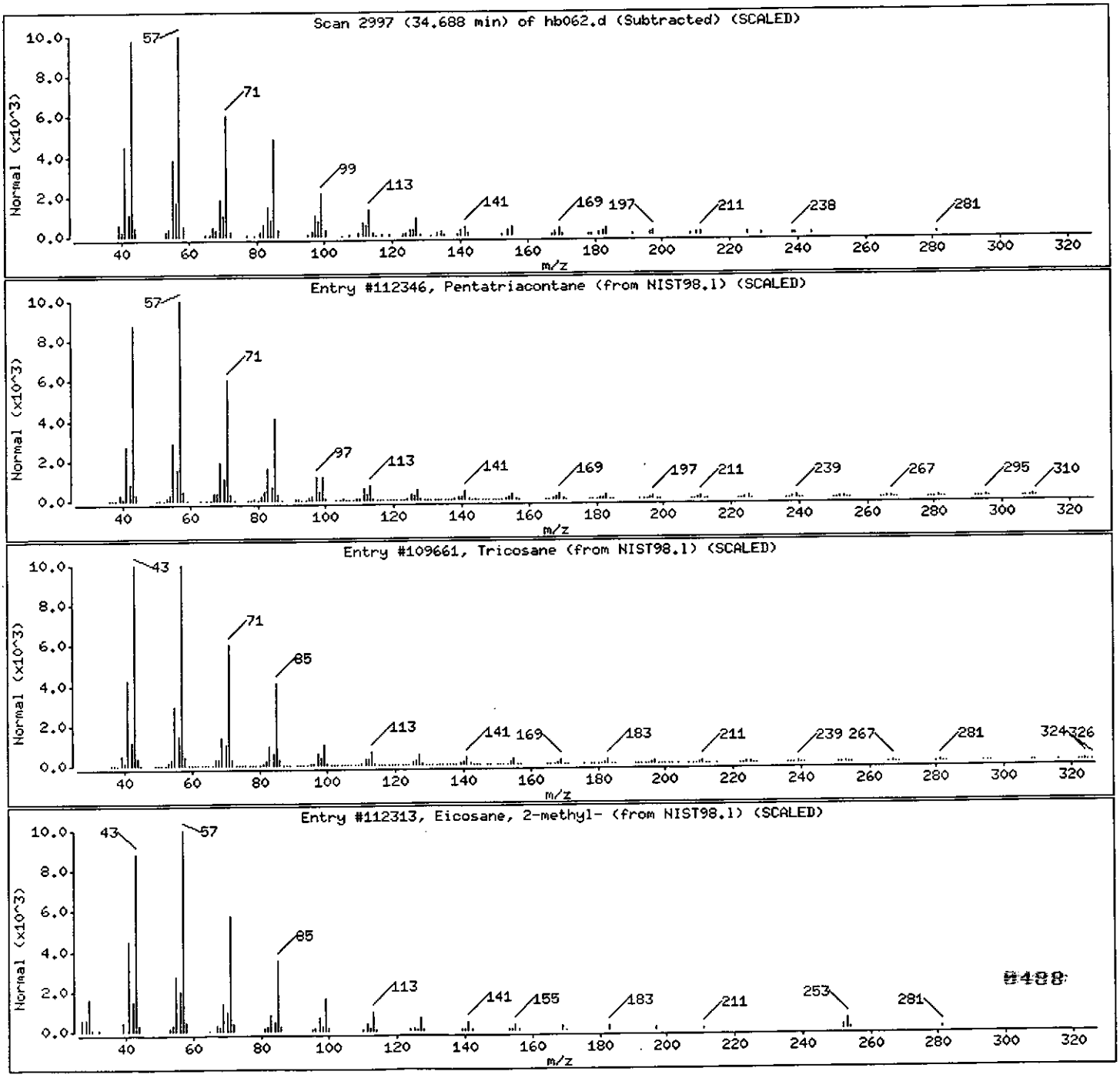
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	93	C35H72	493
Tricosane	638-67-5	NIST98.1	109661	87	C23H48	324
Eicosane, 2-methyl-	1560-84-5	NIST98.1	112313	87	C21H44	296



0488

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

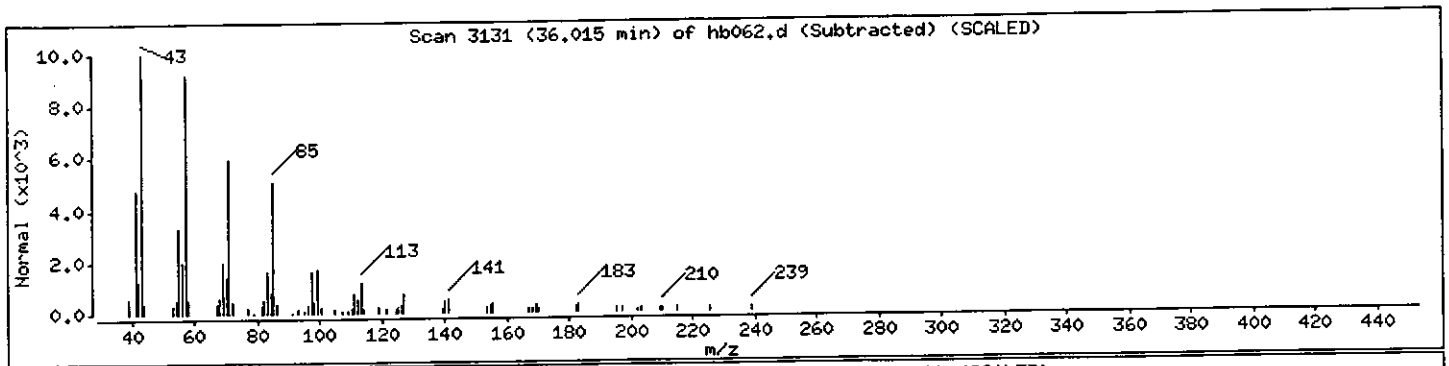
Volume Injected (uL): 2.0

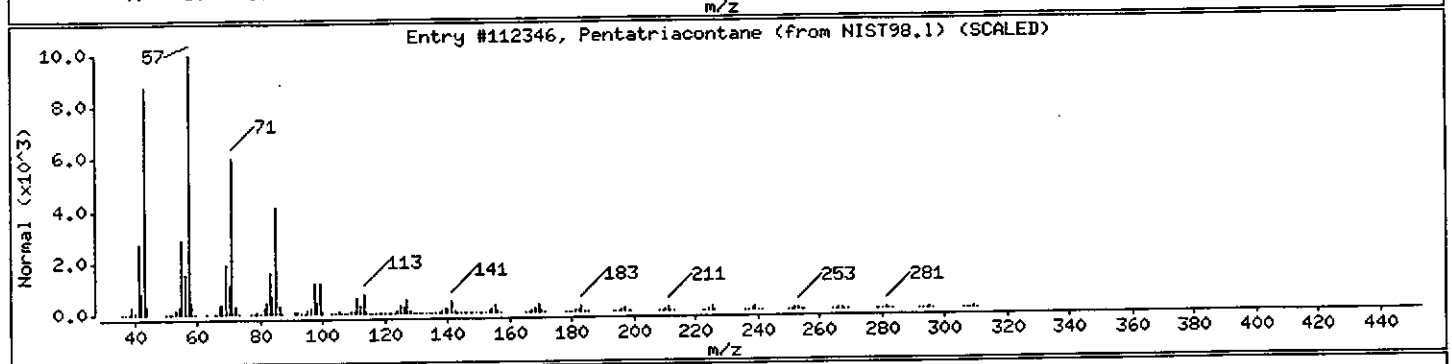
Operator: lmh00956

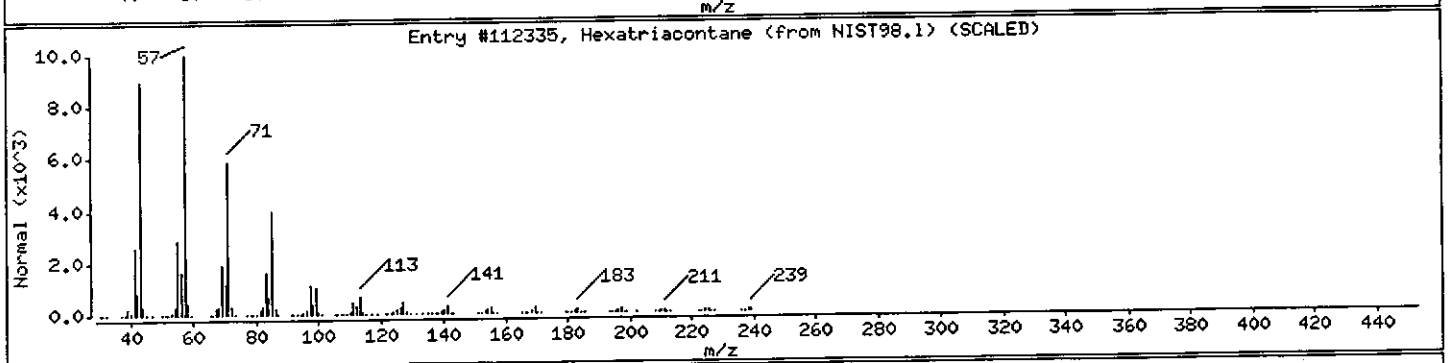
Column phase: J&W DB-5.625

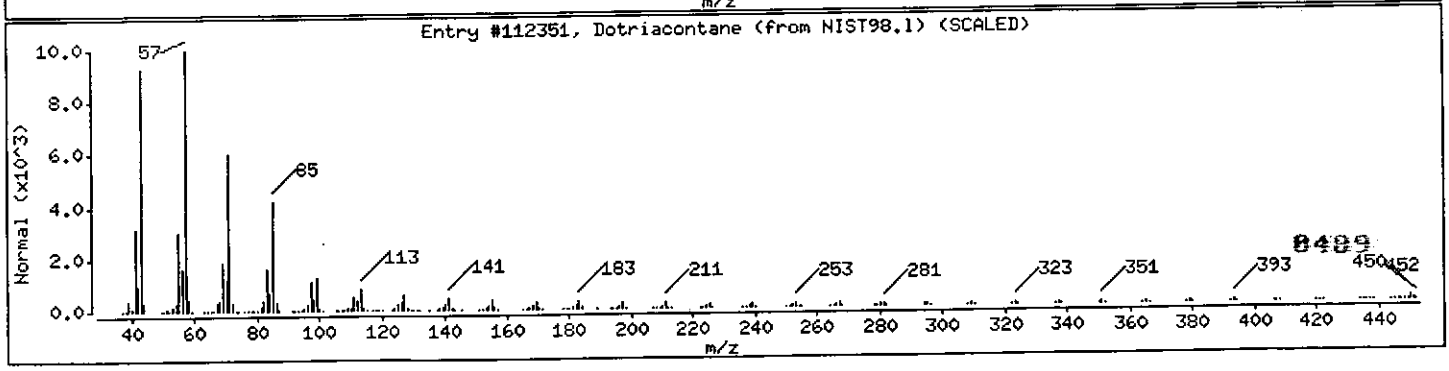
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	94	C35H72	493
Hexatriacontane	630-06-8	NIST98.1	112335	91	C36H74	507
Dotriacontane	544-85-4	NIST98.1	112351	91	C32H66	451









Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

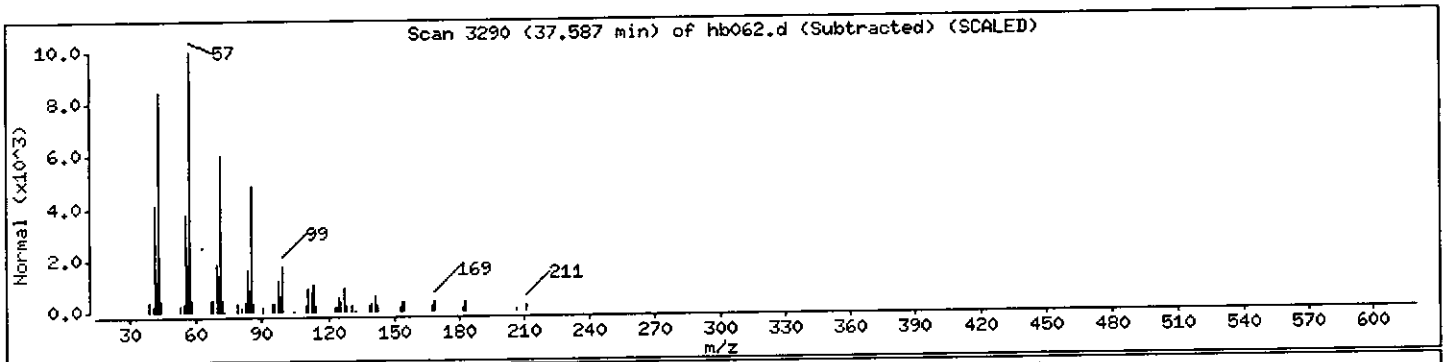
Volume Injected (uL): 2.0

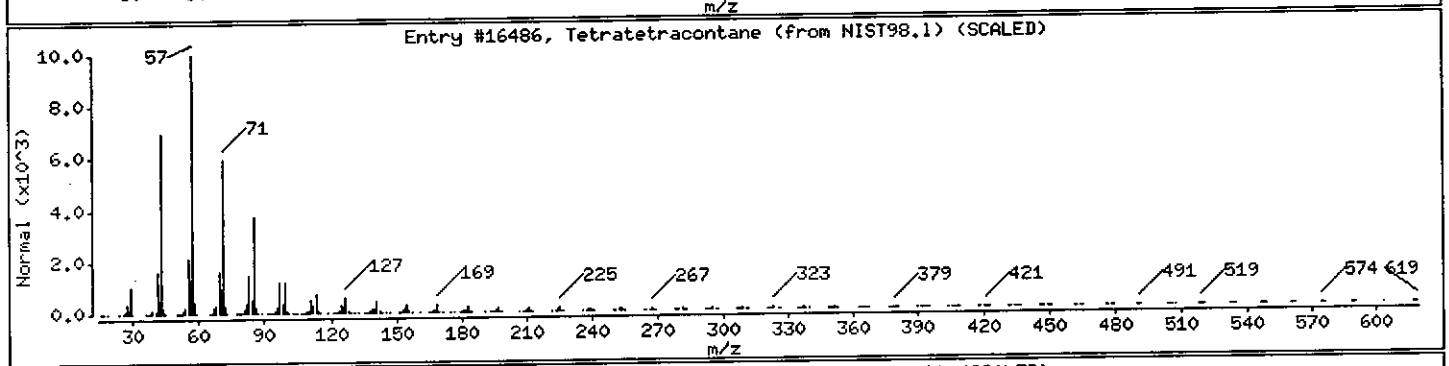
Operator: lmh00956

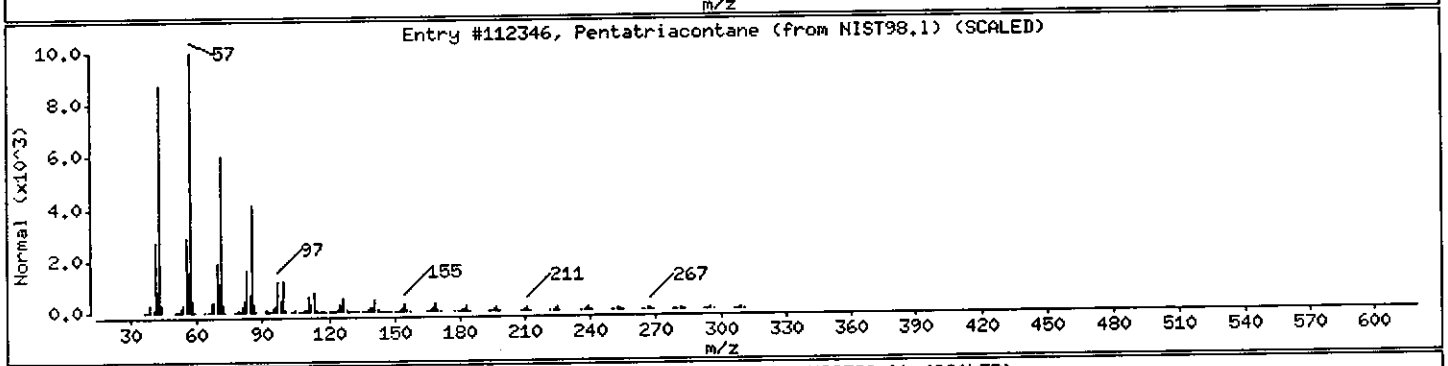
Column phase: J&W DB-5.625

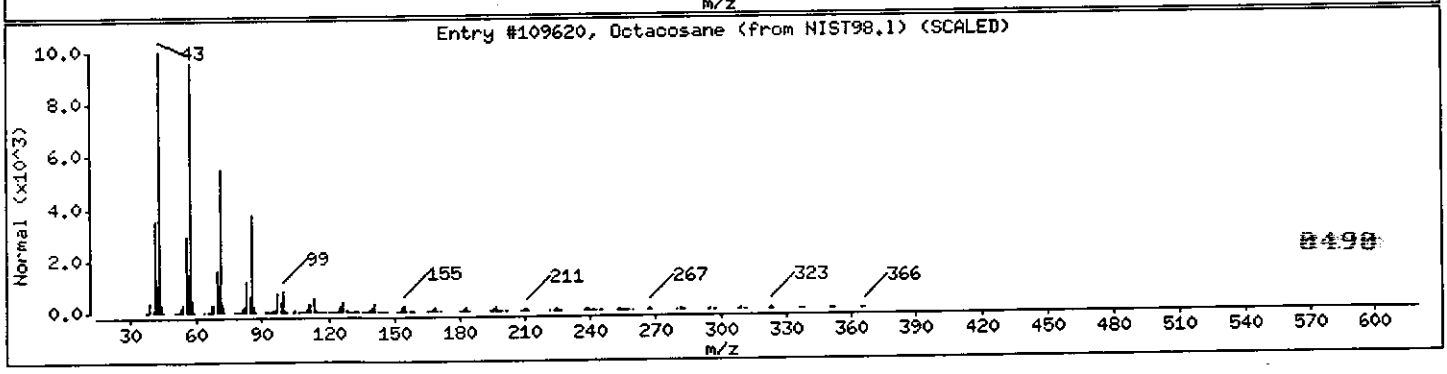
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetratetracontane	7098-22-8	NIST98.1	16486	91	C44H90	619
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493
Octacosane	630-02-4	NIST98.1	109620	91	C28H58	394









0490

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

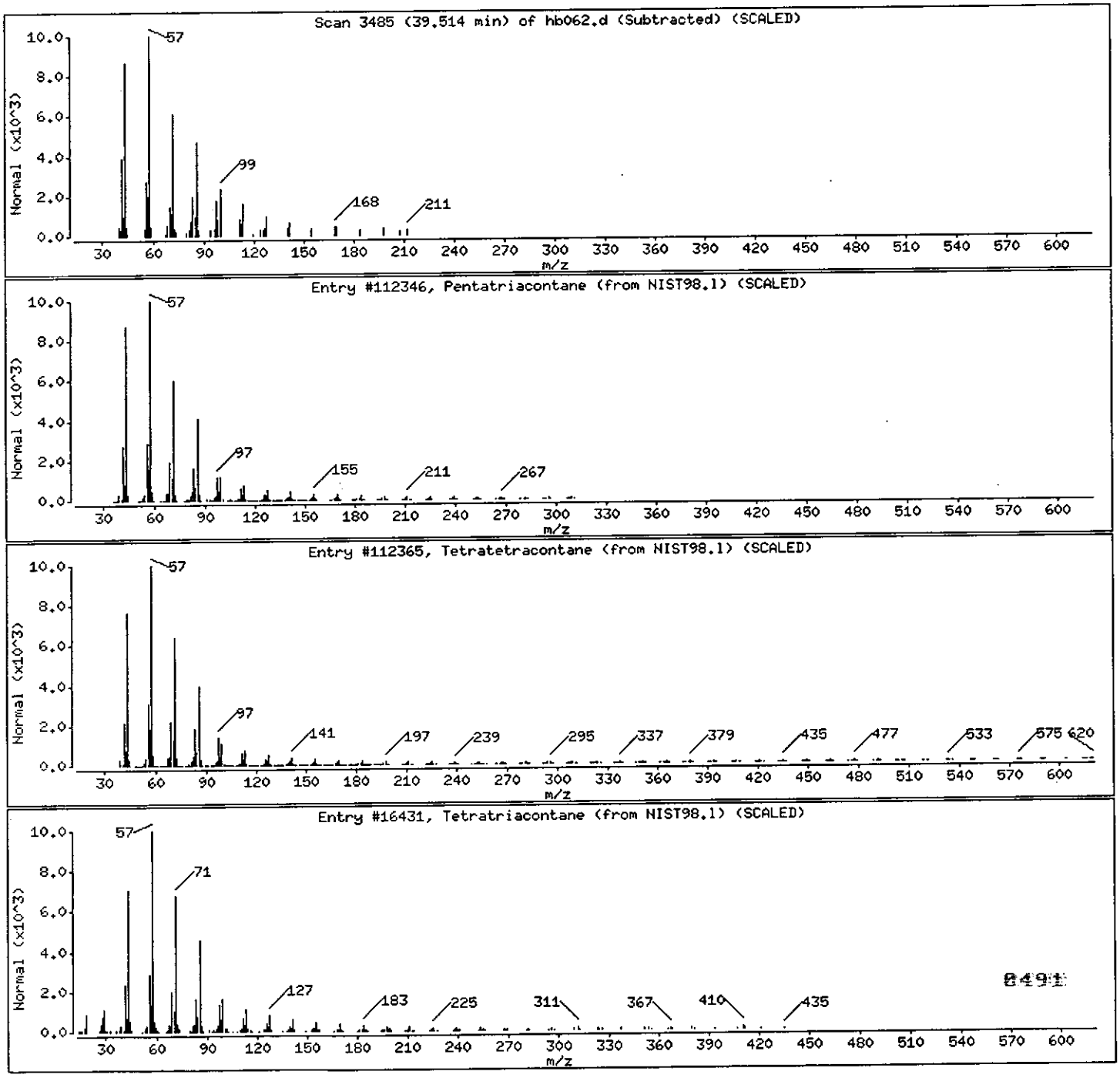
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493
Tetratetracontane	7098-22-8	NIST98.1	112365	87	C44H90	619
Tetratriacontane	14167-59-0	NIST98.1	16431	87	C34H70	479



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

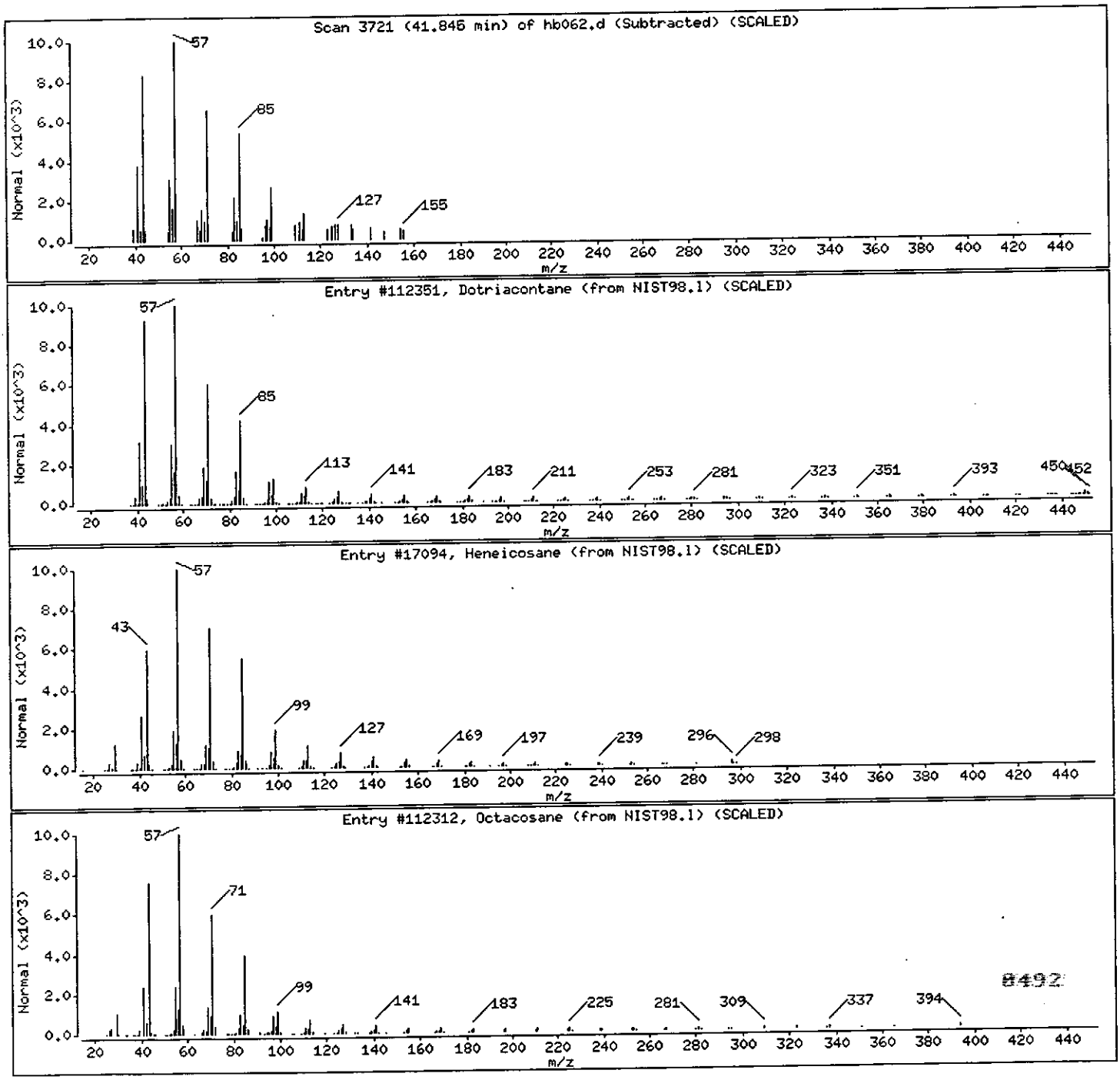
Volume Injected (uL): 2.0

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	83	C32H66	451
Heneicosane	629-94-7	NIST98.1	17094	74	C21H44	296
Octacosane	630-02-4	NIST98.1	112312	74	C28H58	394



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

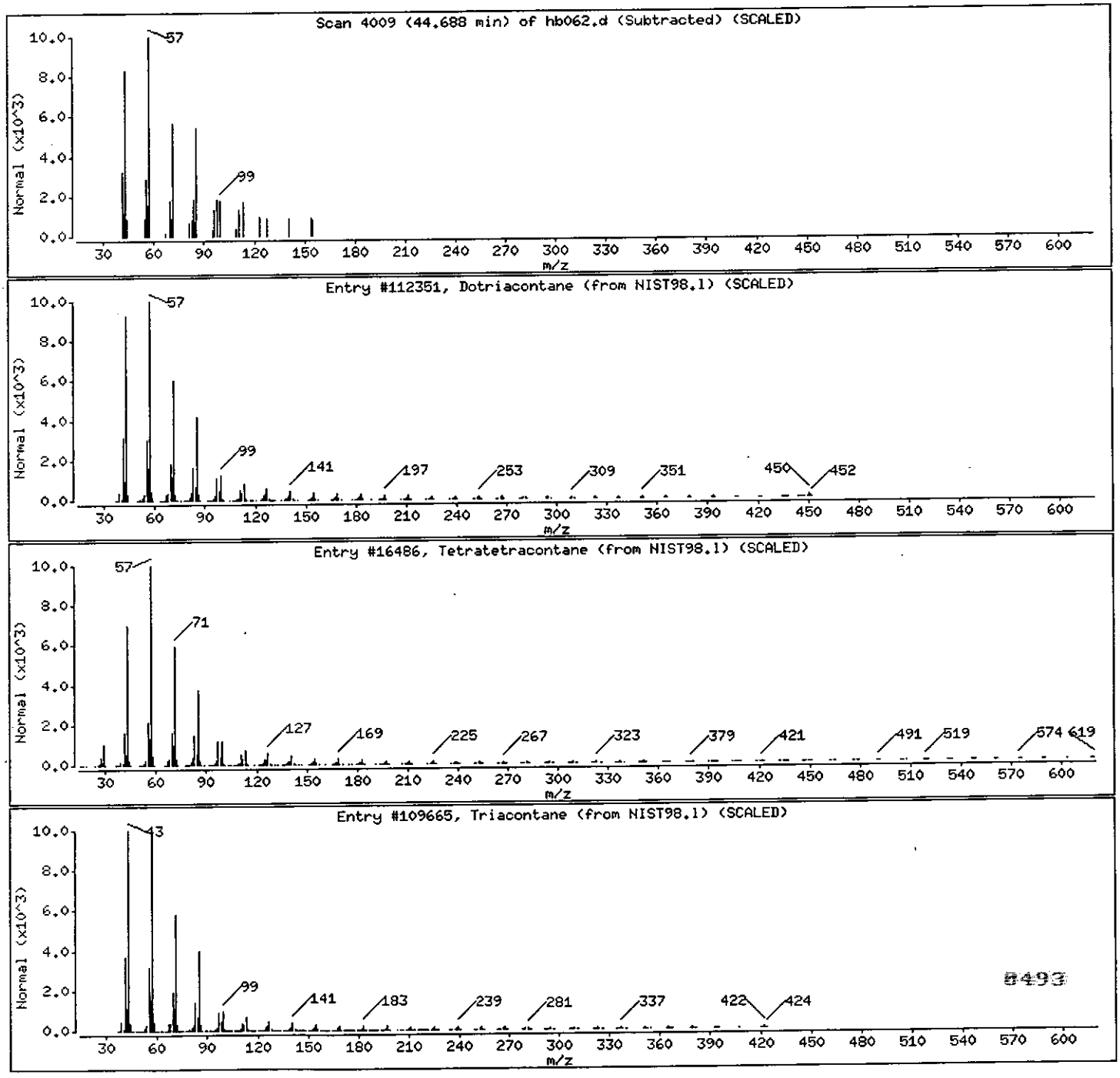
Volume Injected (uL): 2.0

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	72	C32H66	451
Tetratetracontane	7098-22-8	NIST98.1	16486	72	C44H90	619
Triacontane	638-68-6	NIST98.1	109665	59	C30H62	422



0493

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6020-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692566

Sample wt/vol: 30 (g/mL) G Lab File ID: hb063.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

8494

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6020-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692566

Sample wt/vol: 30 (g/mL) G Lab File ID: hb063.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

0495

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6020-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692566

Sample wt/vol: 30 (g/mL) G Lab File ID: hb063.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

8496

6020-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692566

Data file: /chem/HP04629.i/06feb06a.b/hb063.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 00:03 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

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

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

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.386(0.006)	848	152.0	96889(13)	40.00	
41) Naphthalene-d8	17.181(0.004)	1232	136.0	348045(12)	40.00	
64) Acenaphthene-d10	22.620(0.007)	1781	164.0	189421(12)	40.00	
87) Phenanthrene-d10	27.179(0.002)	2240	188.0	298604(13)	40.00	
99) Chrysene-d12	34.314(0.000)	2956	240.0	216406(12)	40.00	
105) Perylene-d12	41.305(-0.013)	3662	264.0	143448(-2)	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	415256	112.066	75%		25 - 121
10) Phenol-d5	(1)	12.180(0.000)	99	526111	130.035	87%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.724(0.000)	132	453920	119.298	80%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.840(0.000)	152	150819	62.837	63%		20 - 130
32) Nitrobenzene-d5	(2)	14.986(0.000)	82	278479	77.095	77%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.468(0.000)	172	508534	76.116	76%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.081(0.000)	330	128677	103.175	69%		19 - 122
94) Terphenyl-d14	(5)	31.295(0.000)	244	491880	94.985	95%		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

8497

6020-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692566

Data file: /chem/HP04629.i/06feb06a.b/hb063.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 00:03 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
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)					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)					ND	ND			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)					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)					ND	ND			2.00
103) Benzo(k)fluoranthene	(6)					ND	ND			2.00
104) Benzo(a)pyrene	(6)					Below MDL, Do not report				2.00

6020-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692566

Data file: /chem/HP04629.i/06feb06a.b/hb063.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 00:03 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
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

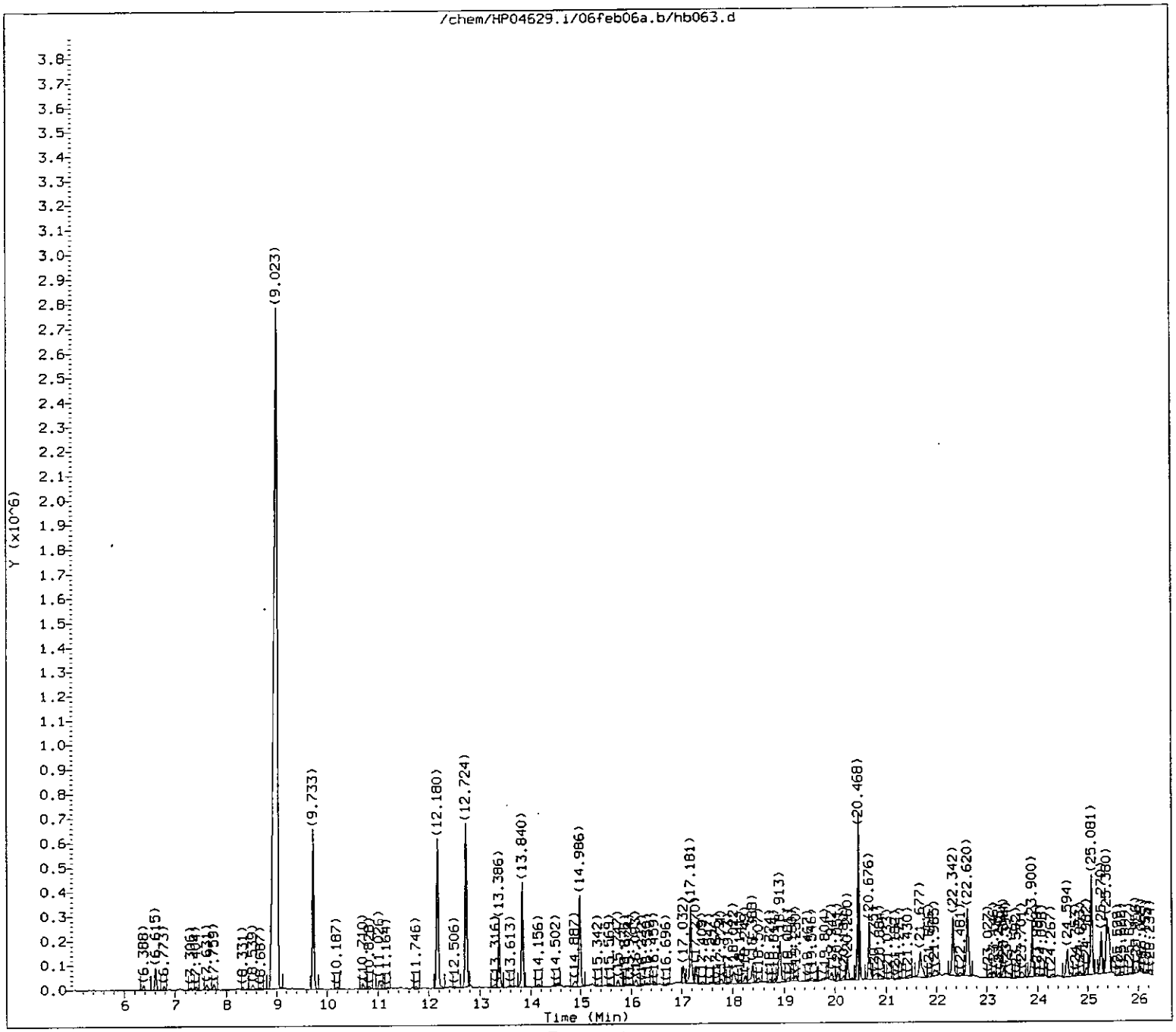
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Date: 02/07/06
Auditor: Date: 2/7/06

0499



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Injection date and time: 07-FEB-2006 00:03

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54
Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

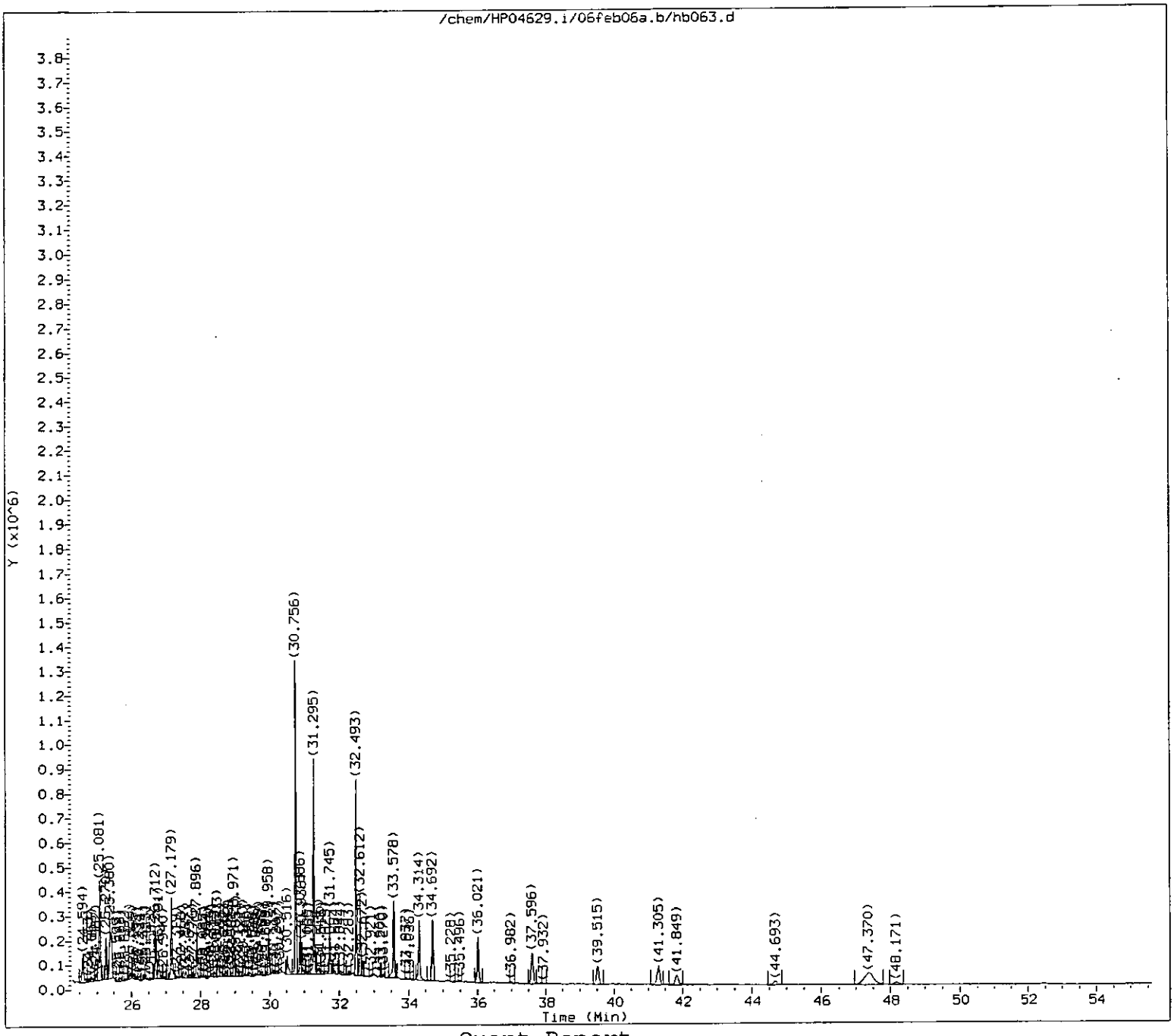
Sublist used: SCLP

Sample Name: 6020-

Lab Sample ID: 4692566

0588

lmh1 [illegible] 107106



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Injection date and time: 07-FEB-2006 00:03

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54
Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

Sublist used: SCLP

Sample Name: 6020-

Lab Sample ID: 4692566

8581

lmn1980 02/07/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Injection date and time: 07-FEB-2006 00:03

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 01:04 lmh00956

Sample Name: 6020-

Lab Sample ID: 4692566

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.386	152	96889	40.000
41) Naphthalene-d8	(2)	17.181	136	348045	40.000
64) Acenaphthene-d10	(3)	22.620	164	189421	40.000
87) Phenanthrene-d10	(4)	27.179	188	298604	40.000
99) Chrysene-d12	(5)	34.314	240	216406	40.000
105) Perylene-d12	(6)	41.305	264	143448	40.000
4) 2-Fluorophenol	(1)	9.733	112	415256	112.066
10) Phenol-d5	(1)	12.180	99	526111	130.035
14) 2-Chlorophenol-d4	(1)	12.724	132	453920	119.298
21) 1,2-Dichlorobenzene-d4	(1)	13.840	152	150819	62.837
32) Nitrobenzene-d5	(2)	14.986	82	278479	77.095
54) 2-Fluorobiphenyl	(3)	20.468	172	508534	76.116
82) 2,4,6-Tribromophenol	(4)	25.081	330	128677	103.175
94) Terphenyl-d14	(5)	31.295	244	491880	94.985

M = Compound was manually integrated.

A = User selected an alternate hit

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6020-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692566

Sample wt/vol: 30 (g/mL) g Lab File ID: hb063.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: 19 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.887	110	J
2.	Unknown	15.747	80	J
3.	Unknown	16.093	87	J
4.	Unknown	18.022	190	J
5.	Unknown	18.249	100	J
6.	Unknown	19.942	110	J
7.	Unknown	21.965	120	J
8.	Unknown	23.701	82	J
9.	Unknown	25.271	320	J B
10.	Unknown Carboxylic Acid	28.503	160	J
11.	Unknown	28.822	90	J
12.	Unknown	29.051	98	J
13.	Unknown Carboxylic Acid	30.516	200	J
14.	Unknown Carboxylic Acid	30.756	2300	J B
15.	Unknown	30.936	250	J
16.	Unknown	31.435	92	J
17.	Unknown	32.493	1600	J
18.	Unknown	47.370	1600	J
19.	Unknown	48.171	160	J
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

0503

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6020-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692566

Sample wt/vol: 30 (g/mL) g Lab File ID: hb063.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	18.913	460	J
2.	Unknown Alkane	20.676	580	J
3.	Unknown Alkane	21.677	440	J
4.	Unknown Alkane	22.342	610	J
5.	Unknown Alkane	23.900	540	J
6.	Unknown Alkane	24.594	390	J
7.	Unknown Alkane	25.380	810	J
8.	Unknown Alkane	26.712	360	J
9.	Unknown Alkane	27.896	370	J
10.	Unknown Alkane	28.971	300	J
11.	Unknown Alkane	29.958	320	J
12.	Unknown Alkane	30.886	430	J
13.	Unknown Alkane	31.745	440	J
14.	Unknown Alkane	32.612	650	J B
15.	Unknown Alkane	33.578	830	J
16.	Unknown Alkane	34.692	710	J
17.	Unknown Alkane	36.021	660	J
18.	Unknown Alkane	37.596	550	J
19.	Unknown Alkane	39.515	670	J
20.	Unknown Alkane	41.849	440	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

8504

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb063.d
Lab Smp Id: 4692566 Client Smp ID: 6020-
Inj Date : 07-FEB-2006 00:03
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6020-;4692566;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 01:22 lmh00956 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCLP.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 18 1,4-Dichlorobenzene-d4	13.386	630390	40.000
* 41 Naphthalene-d8	17.181	778981	40.000
* 64 Acenaphthene-d10	22.620	774611	40.000
* 87 Phenanthrene-d10	27.179	946612	40.000
* 99 Chrysene-d12	34.314	803496	40.000
* 105 Perylene-d12	41.305	471453	40.000

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Report Date: 07-Feb-2006 01:23

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Unknown				CAS #:			
14.887	87597	5.55824720	92.63745	0		0	18
Unknown				CAS #:			
15.747	80492	4.13320276	68.88671	0		0	41
Unknown				CAS #:			
16.093	87415	4.48867355	74.81122	0		0	41
Unknown				CAS #:			
18.022	193346	9.92816829	165.46947	0		0	41
Unknown				CAS #:			
18.249	103777	5.32884539	88.81408	0		0	41
Unknown Alkane				CAS #:			
18.913	467042	23.9822086	399.70347	0		0	41
Unknown				CAS #:			
19.942	106984	5.52450655	92.07510	0		0	64
Unknown Alkane				CAS #:			
20.676	579457	29.9224134	498.70688	0		0	64
Unknown Alkane				CAS #:			
21.677	438332	22.6349414	377.24902	0		0	64
Unknown				CAS #:			
21.965	121202	6.25870790	104.31179	0		0	64
Unknown Alkane				CAS #:			
22.342	608669	31.4309207	523.84867	0		0	64
Unknown				CAS #:			
23.701	82217	4.24557680	70.75961	0		0	64
Unknown Alkane				CAS #:			
23.900	542946	28.0370421	467.28403	0		0	64
Unknown Alkane				CAS #:			
24.594	393536	20.3217333	338.69555	0		0	64
Unknown				CAS #:			
25.270	391456	16.5413579	275.68929	0		0	87

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Report Date: 07-Feb-2006 01:23

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
25.380	989496	41.8120846	696.86807	0		0	87
Unknown Alkane				CAS #:			
26.712	446367	18.8616750	314.36124	0		0	87
Unknown Alkane				CAS #:			
27.896	454507	19.2056318	320.09386	0		0	87
Unknown Carboxylic Acid				CAS #:			
28.503	198154	8.37317713	139.55295	0		0	87
Unknown				CAS #:			
28.822	110598	4.67340887	77.89014	0		0	87
Unknown Alkane				CAS #:			
28.971	372844	15.7548930	262.58155	0		0	87
Unknown				CAS #:			
29.051	119222	5.03785125	83.96418	0		0	87
Unknown Alkane				CAS #:			
29.958	391364	16.5374664	275.62444	0		0	87
Unknown Carboxylic Acid				CAS #:			
30.516	249009	10.5221067	175.36844	0		0	87
Unknown Carboxylic Acid				CAS #:			
30.756	2388350	118.897803	1981.63004	0		0	99
Unknown Alkane				CAS #:			
30.886	443569	22.0819437	368.03239	0		0	99
Unknown				CAS #:			
30.936	260727	12.9796331	216.32721	0		0	99
Unknown				CAS #:			
31.435	95925	4.77538162	79.58969	0		0	99
Unknown Alkane				CAS #:			
31.745	453442	22.5734076	376.22345	0		0	99
Unknown				CAS #:			
32.493	1608691	80.0844824	1334.74137	0		0	99

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Report Date: 07-Feb-2006 01:23

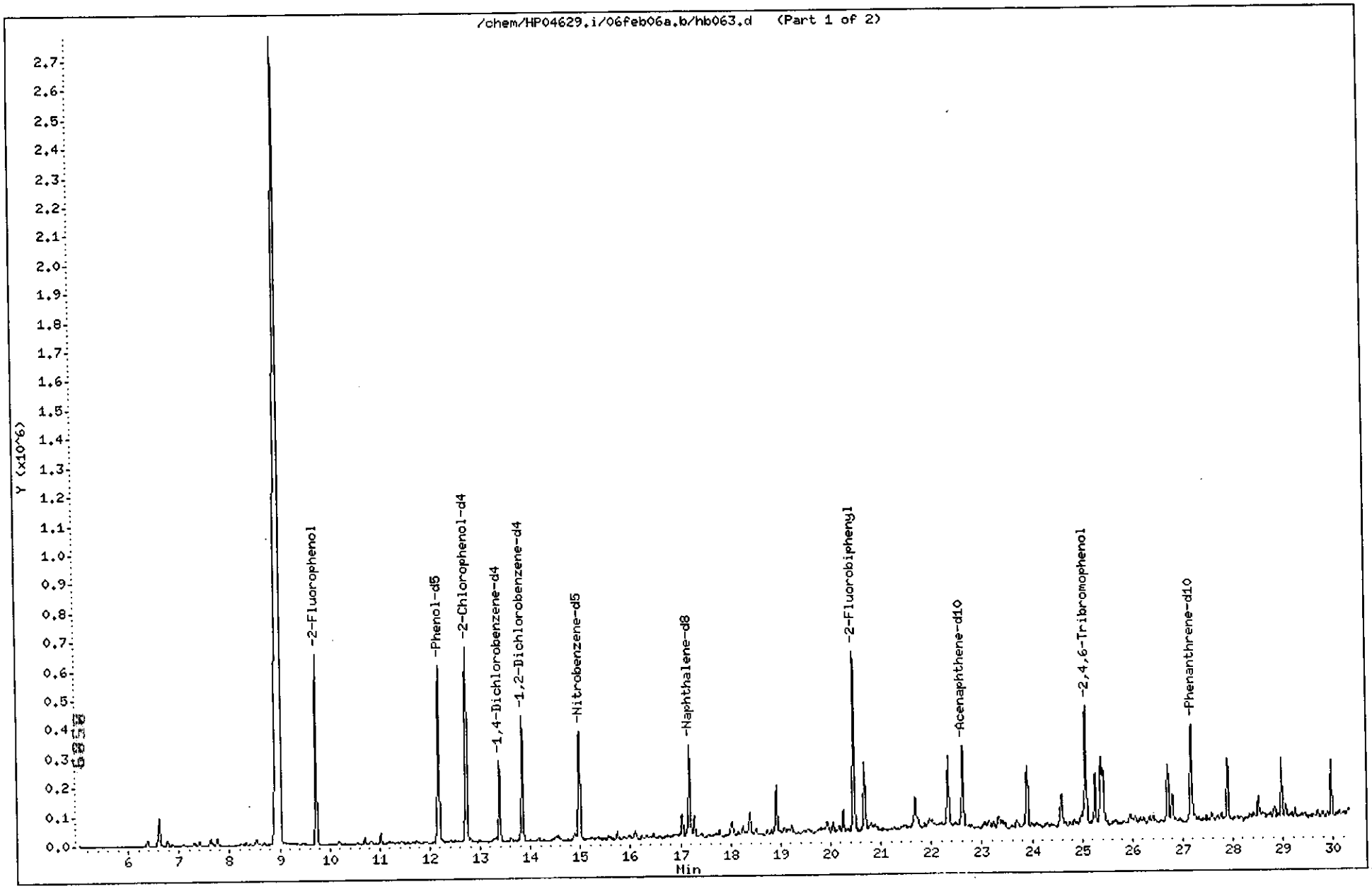
RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
32.612	677121	33.7086859	561.81143	0		0	99
Unknown Alkane				CAS #:			
33.578	856880	42.6575498	710.95916	0		0	99
Unknown Alkane				CAS #:			
34.692	740690	36.8733082	614.55513	0		0	99
Unknown Alkane				CAS #:			
36.021	682485	33.9757263	566.26210	0		0	99
Unknown Alkane				CAS #:			
37.596	567335	28.2432785	470.72130	0		0	99
Unknown Alkane				CAS #:			
39.515	407059	34.5364599	575.60766	0		0	105
Unknown Alkane				CAS #:			
41.849	265178	22.4987108	374.97851	0		0	105
Unknown				CAS #:			
47.370	973413	82.5881780	1376.46963	0		0	105
Unknown				CAS #:			
48.171	98591	8.36483994	139.41399	0		0	105

Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Date : 07-FEB-2006 00:03
Client ID: 6020-
Sample Info: 6020-;4692566;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

LMH 19 02/07/06



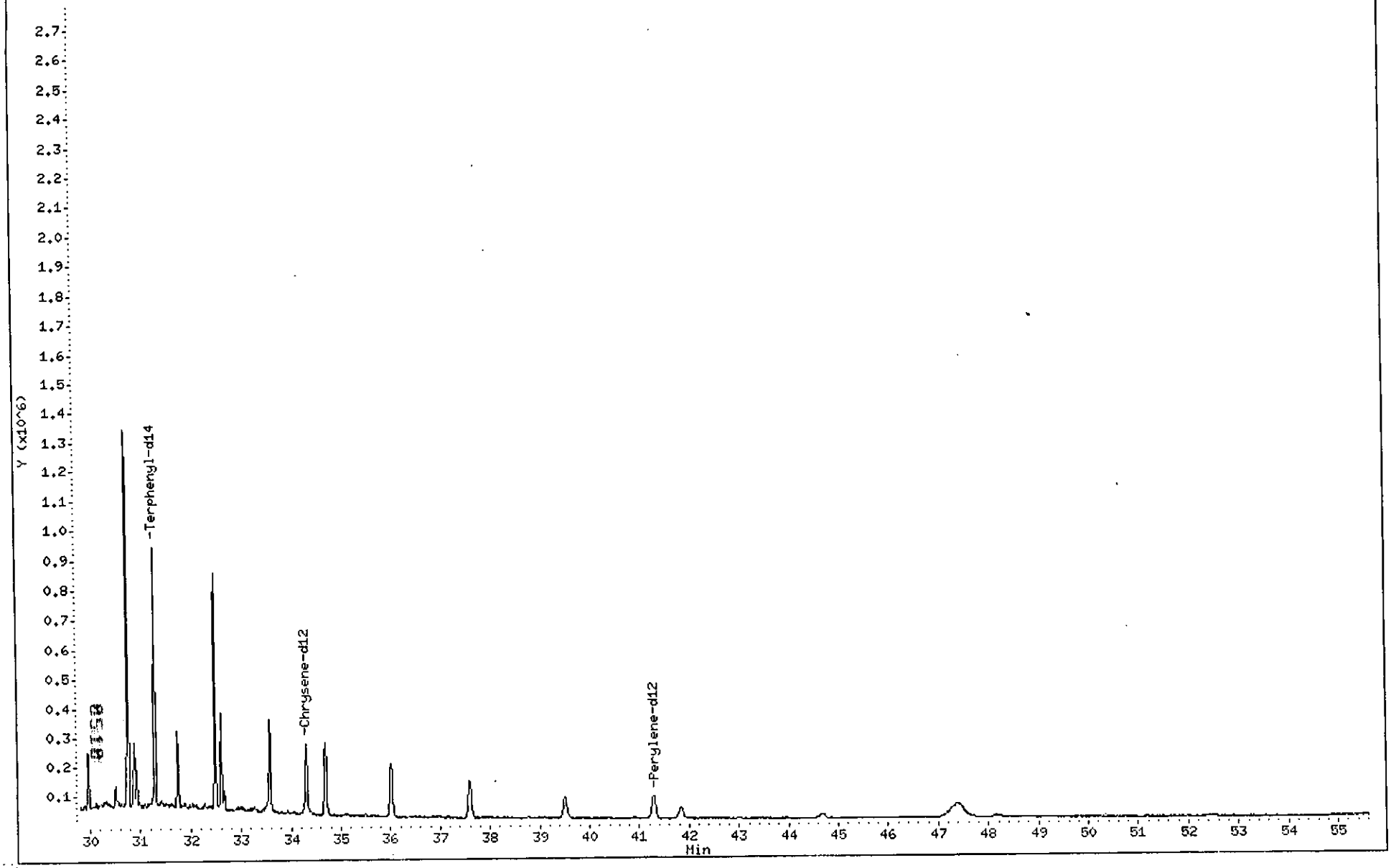
Data File: /chem/HP04629.i/06feb06a.b/hb063.d
Date : 07-FEB-2006 00:03
Client ID: 6020-
Sample Info: 6020-;4692566;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

lmh 02/07/06

/chem/HP04629.i/06feb06a.b/hb063.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

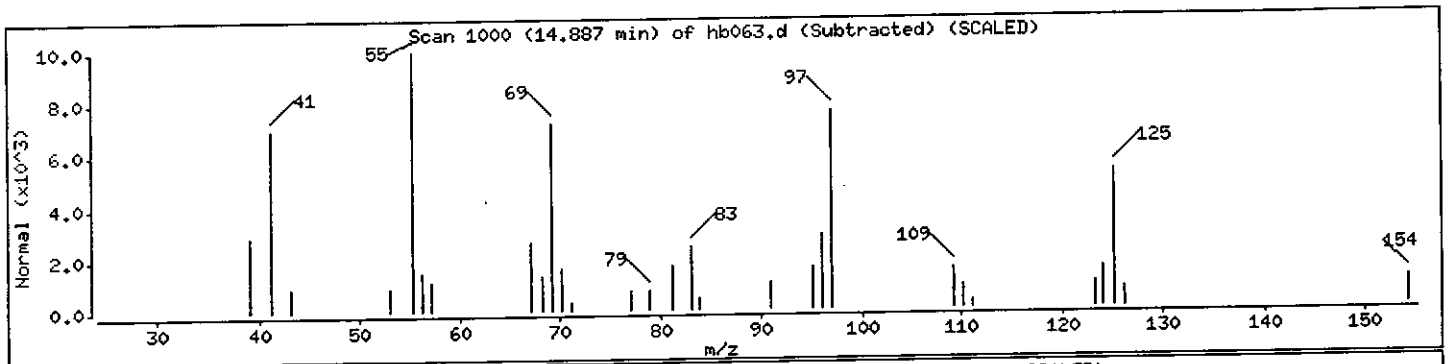
Volume Injected (uL): 2.0

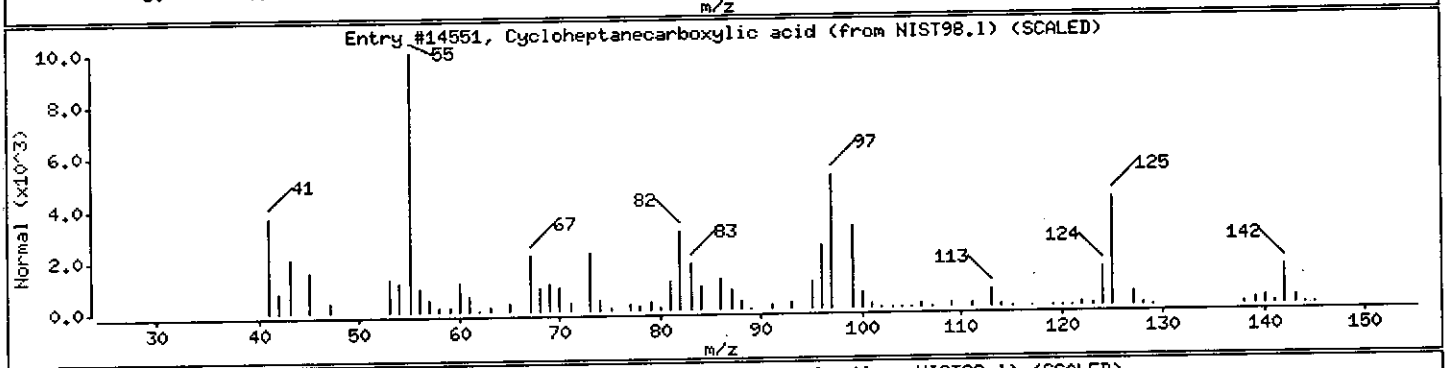
Operator: lmh00956

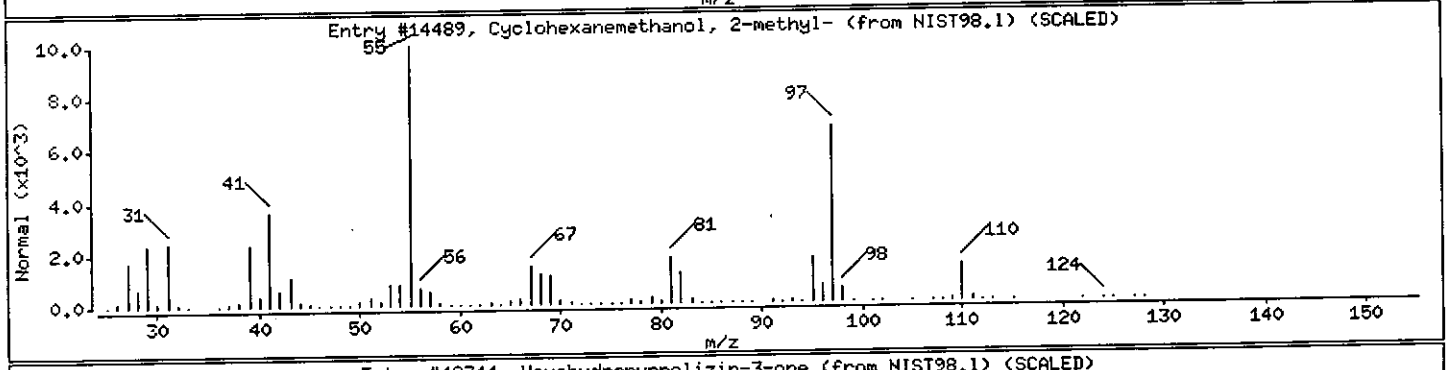
Column phase: J&W DB-5.625

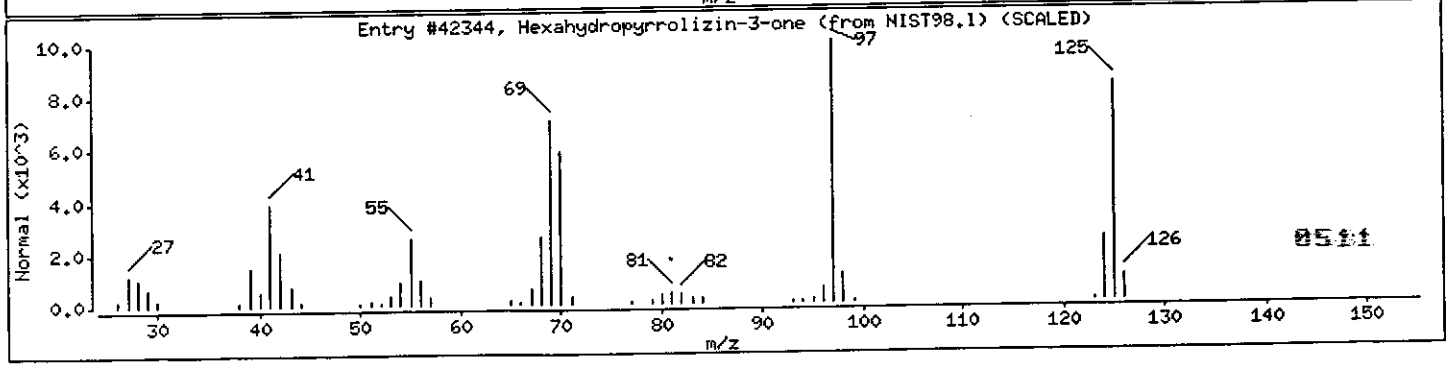
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cycloheptanecarboxylic acid	1000132-69-5	NIST98.1	14551	47	C8H14O2	142
Cyclohexanemethanol, 2-methyl-	2105-40-0	NIST98.1	14489	35	C8H16O	128
Hexahydropyrrolizin-3-one	126424-83-7	NIST98.1	42344	27	C7H11NO	125









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

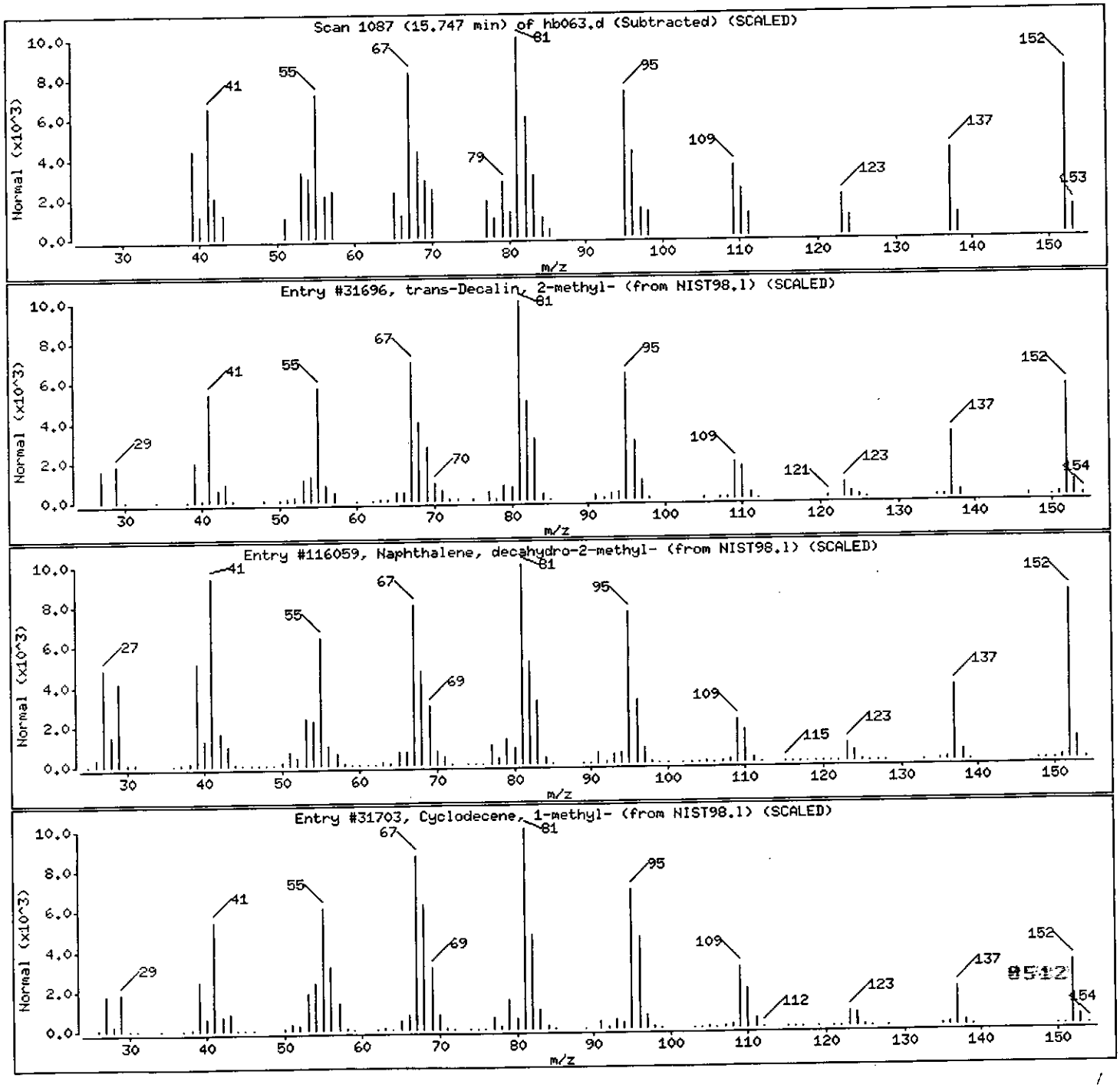
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
trans-Decalin, 2-methyl-	1000152-47-3	NIST98.1	31696	97	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.1	116059	96	C11H20	152
Cyclodecene, 1-methyl-	66633-38-3	NIST98.1	31703	94	C11H20	152



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

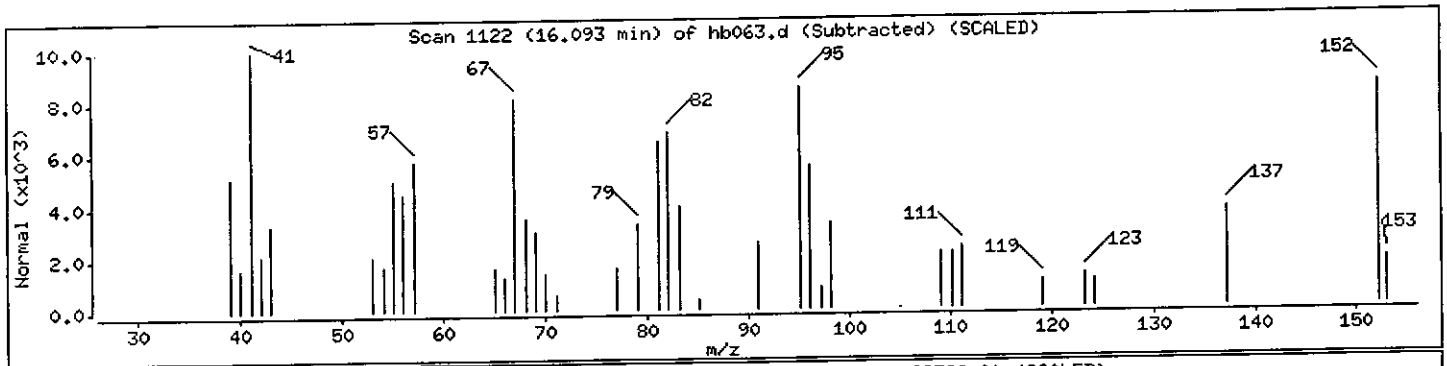
Volume Injected (uL): 2.0

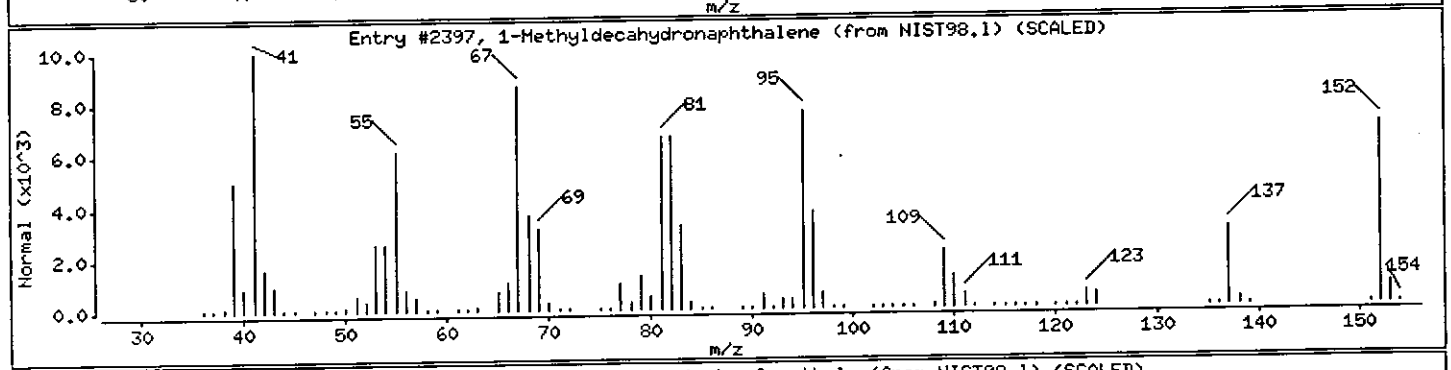
Operator: lmh00956

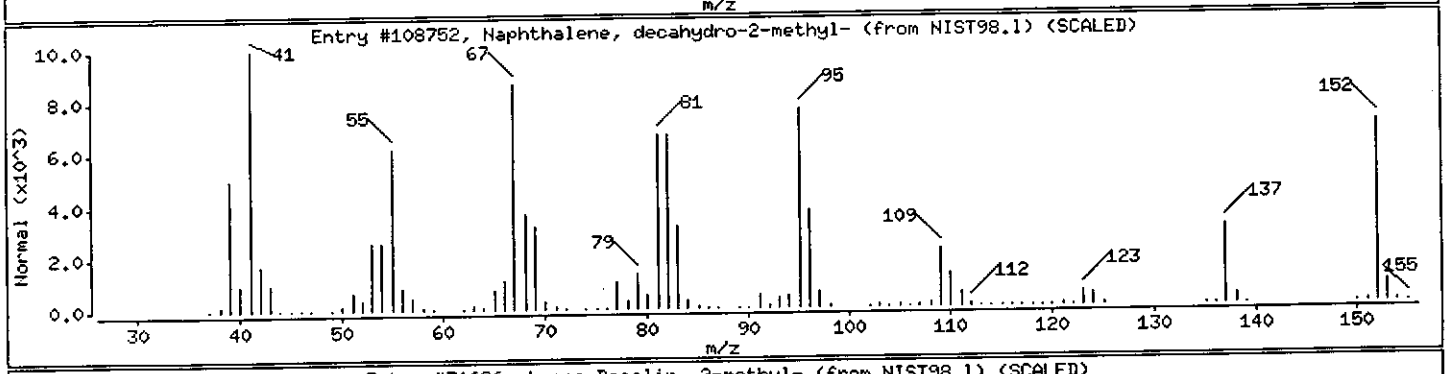
Column phase: J&W DB-5.625

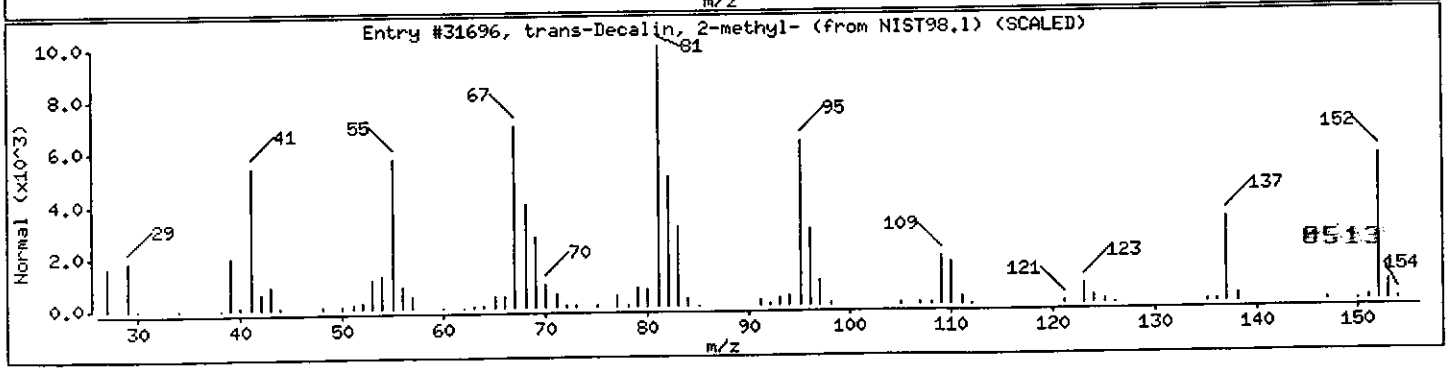
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Methyldecahydronaphthalene	2958-75-0	NIST98.1	2397	93	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.1	108752	93	C11H20	152
trans-Decalin, 2-methyl-	1000152-47-3	NIST98.1	31696	87	C11H20	152









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

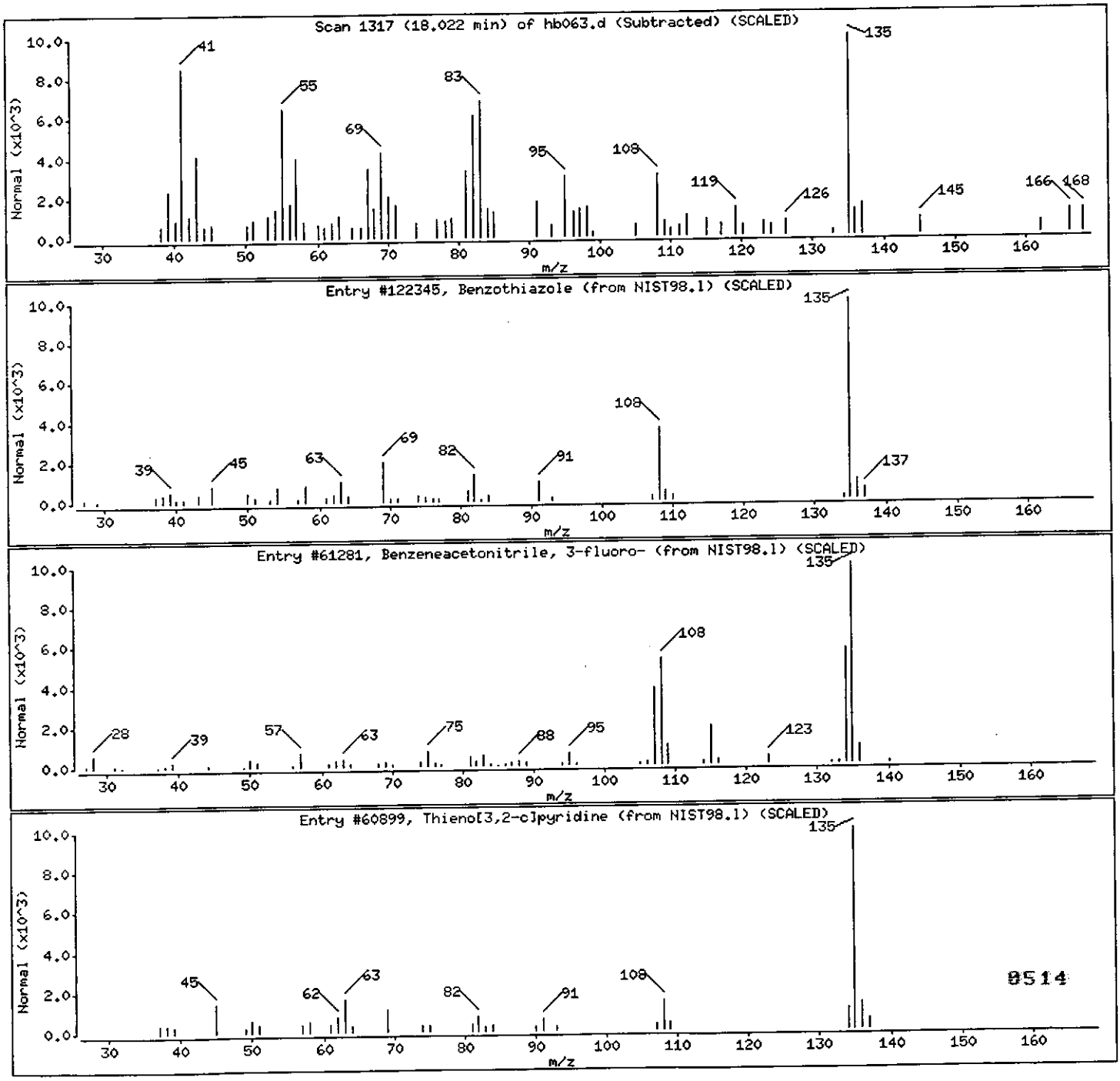
Volume Injected (uL): 2.0

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	122345	43	C7H5NS	135
Benzeneacetonitrile, 3-fluoro-	501-00-8	NIST98.1	61281	43	C8H6FN	135
Thieno[3,2-c]pyridine	272-14-0	NIST98.1	60899	38	C7H5NS	135



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

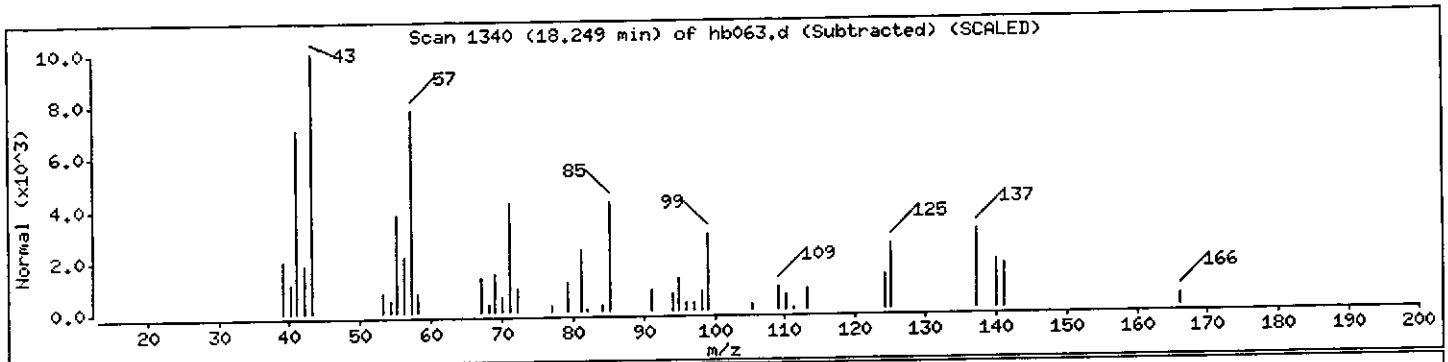
Volume Injected (uL): 2.0

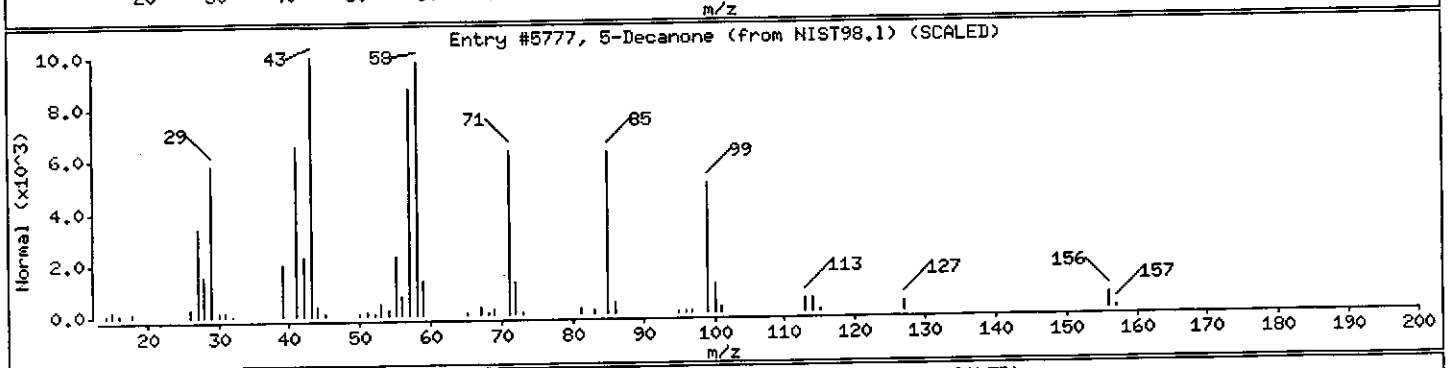
Operator: lmh00956

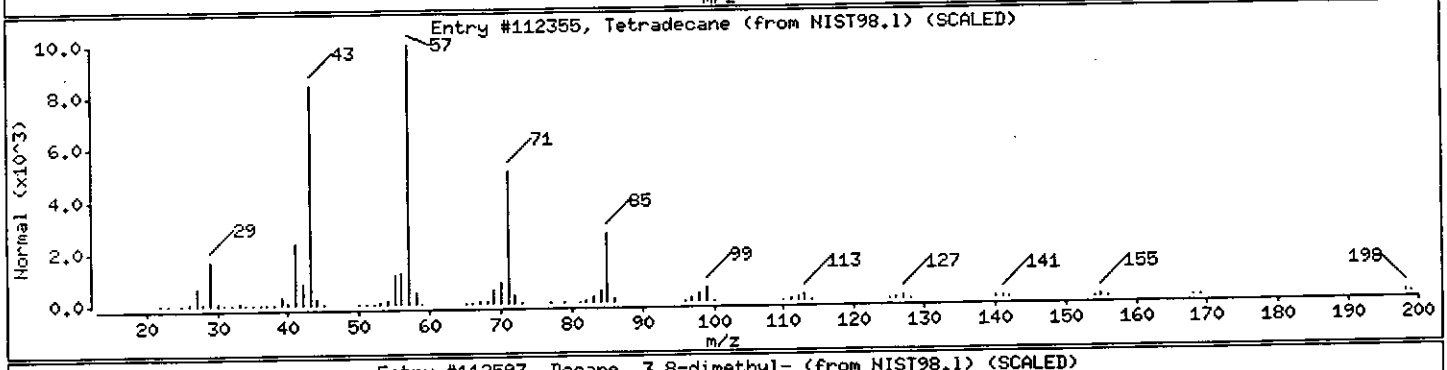
Column phase: J&W DB-5.625

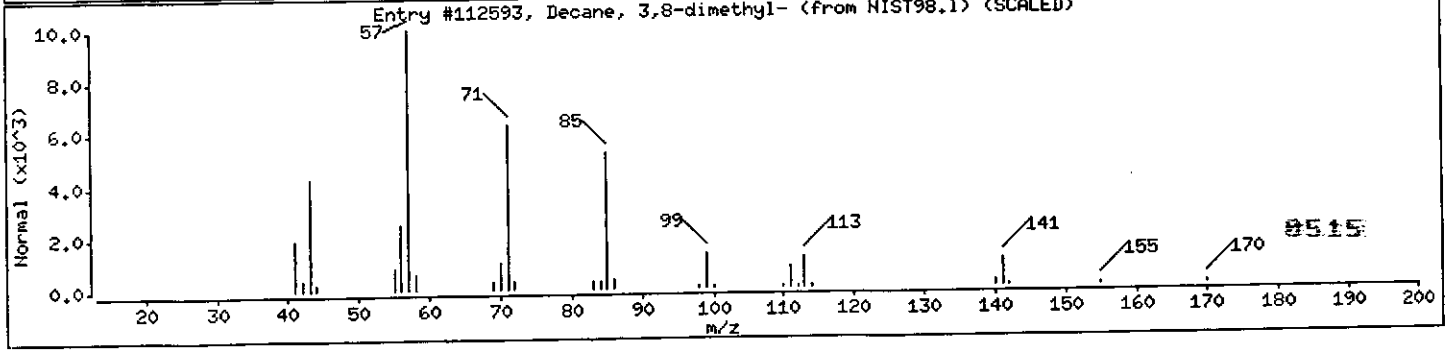
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5-Decanone	820-29-1	NIST98.1	5777	43	C10H20O	156
Tetradecane	629-59-4	NIST98.1	112355	38	C14H30	198
Decane, 3,8-dimethyl-	17312-55-9	NIST98.1	112593	38	C12H26	170









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

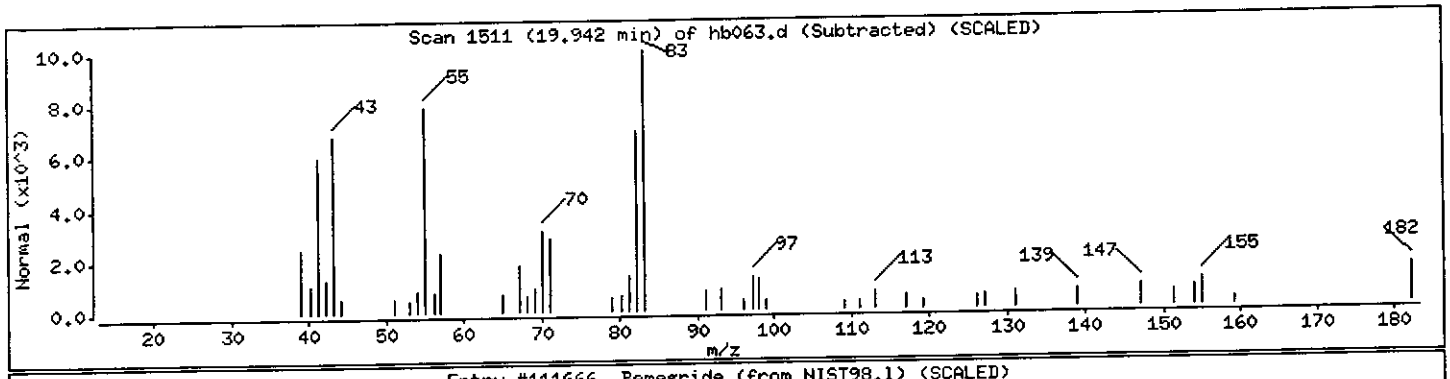
Volume Injected (uL): 2.0

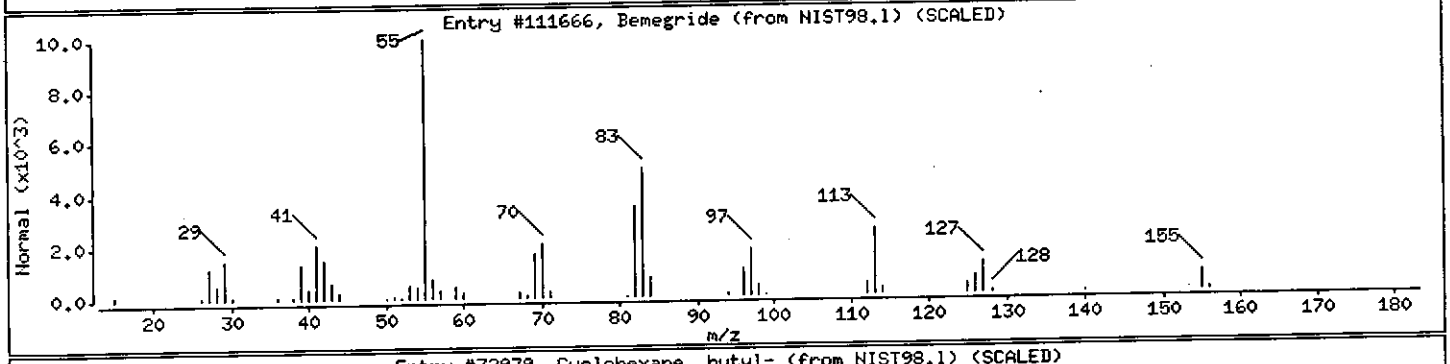
Operator: lmh00956

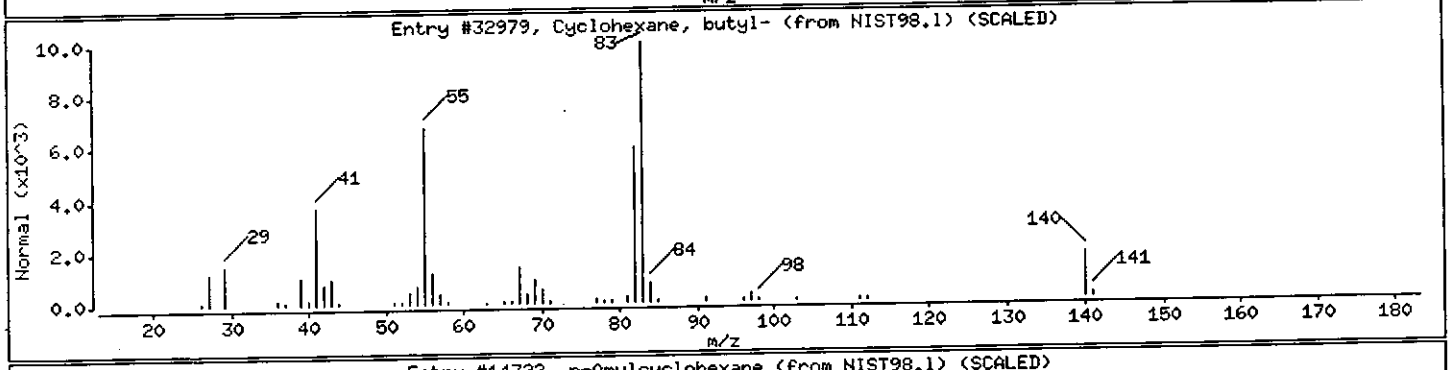
Column phase: J&W DB-5.625

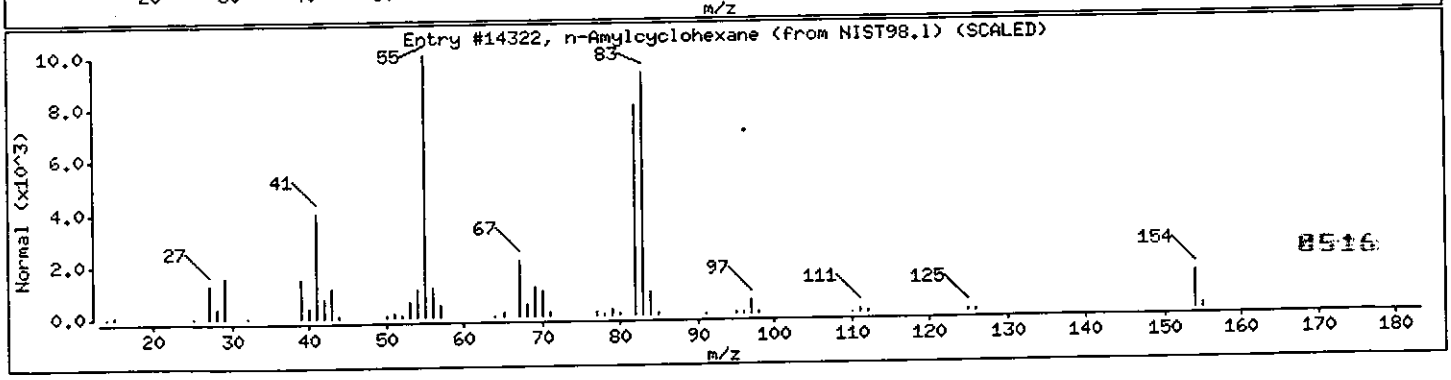
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bemegride	64-65-3	NIST98.1	111666	59	C8H13NO2	155
Cyclohexane, butyl-	1678-93-9	NIST98.1	32979	50	C10H20	140
n-Amylcyclohexane	29949-27-7	NIST98.1	14322	50	C11H22	154









8516

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

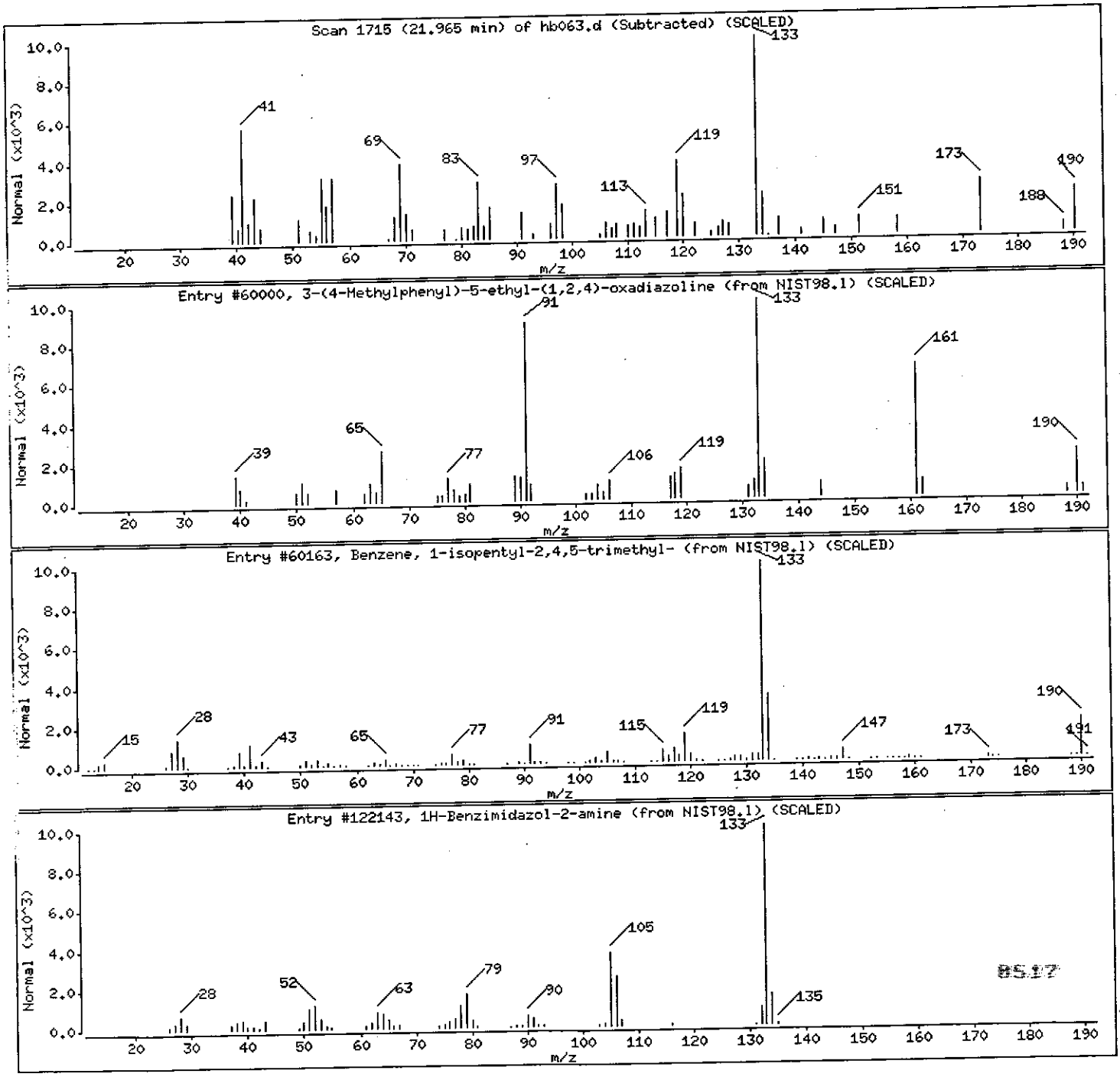
Volume Injected (uL): 2.0

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-(4-Methylphenyl)-5-ethyl-(1,2,4)-oxadi	1000146-14-9	NIST98.1	60000	49	C11H14N2O	190
Benzene, 1-isopentyl-2,4,5-trimethyl-	10425-90-8	NIST98.1	60163	32	C14H22	190
1H-Benzimidazol-2-amine	934-32-7	NIST98.1	122143	27	C7H7N3	133



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

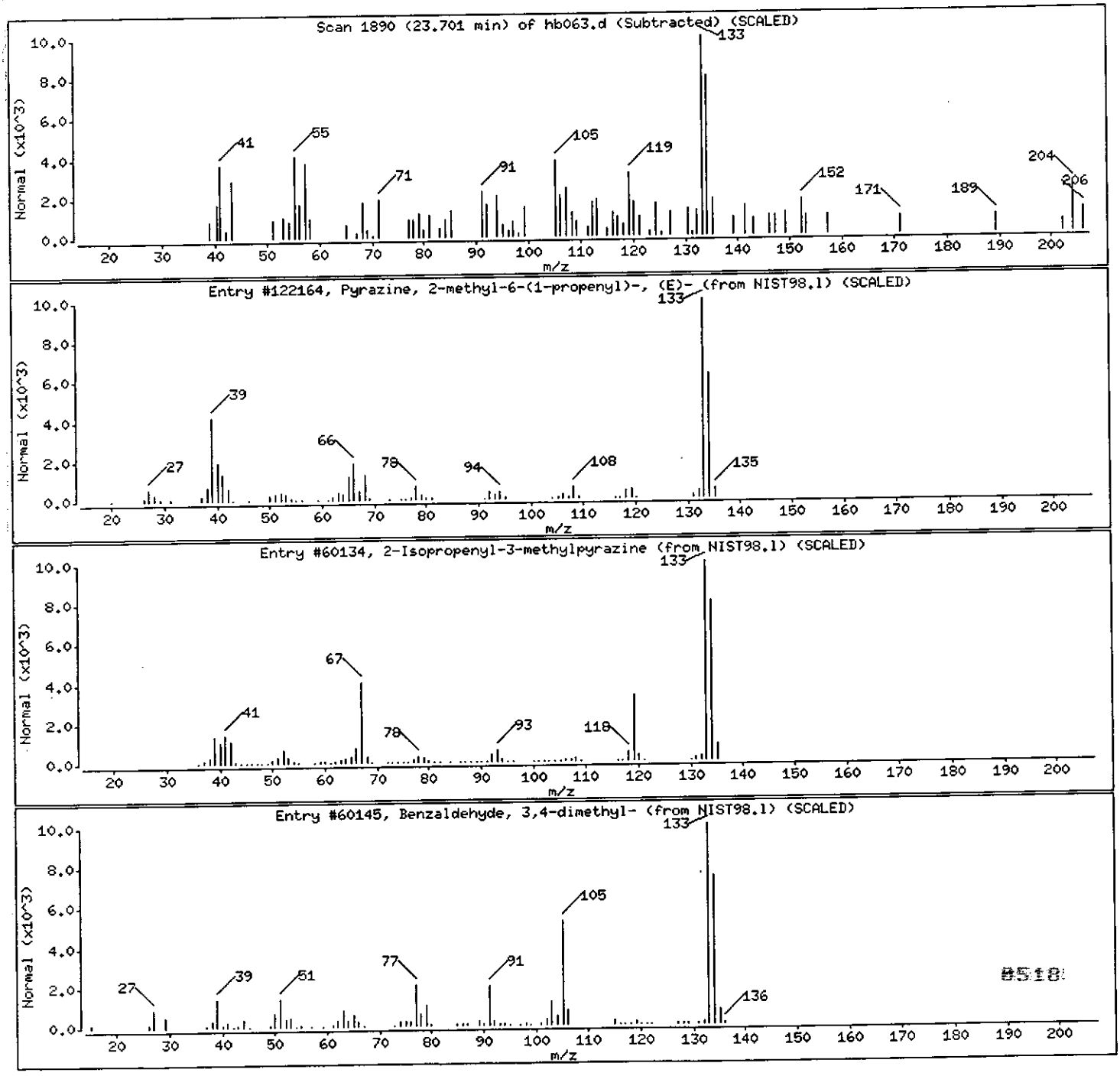
Volume Injected (uL): 2.0

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						
Pyrazine, 2-methyl-6-(1-propenyl)-, (E)-	18217-81-7	NIST98.1	122164	49	C8H10N2	134
2-Isopropenyl-3-methylpyrazine	145984-65-2	NIST98.1	60134	47	C8H10N2	134
Benzaldehyde, 3,4-dimethyl-	5973-71-7	NIST98.1	60145	43	C9H10O	134



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

Volume Injected (uL): 2.0

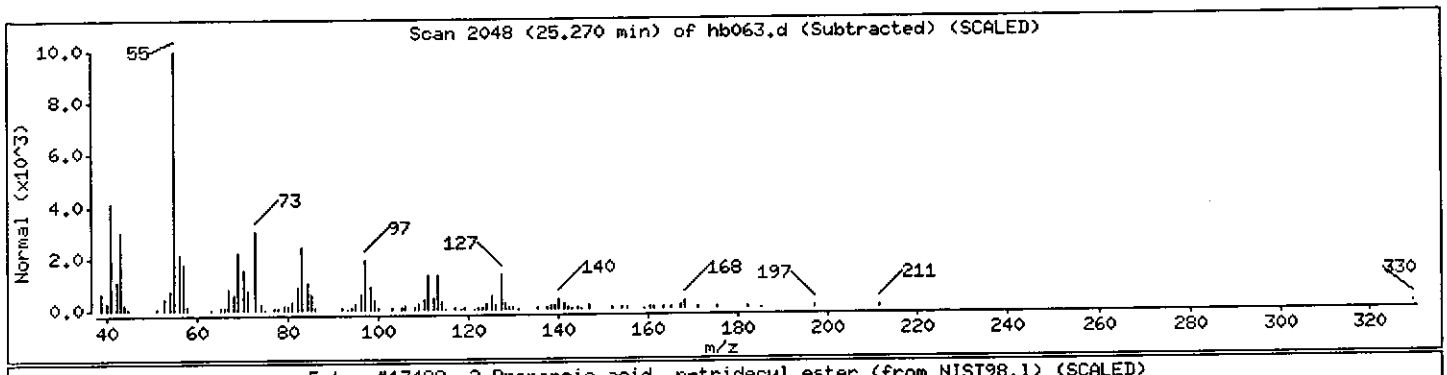
Operator: lmh00956

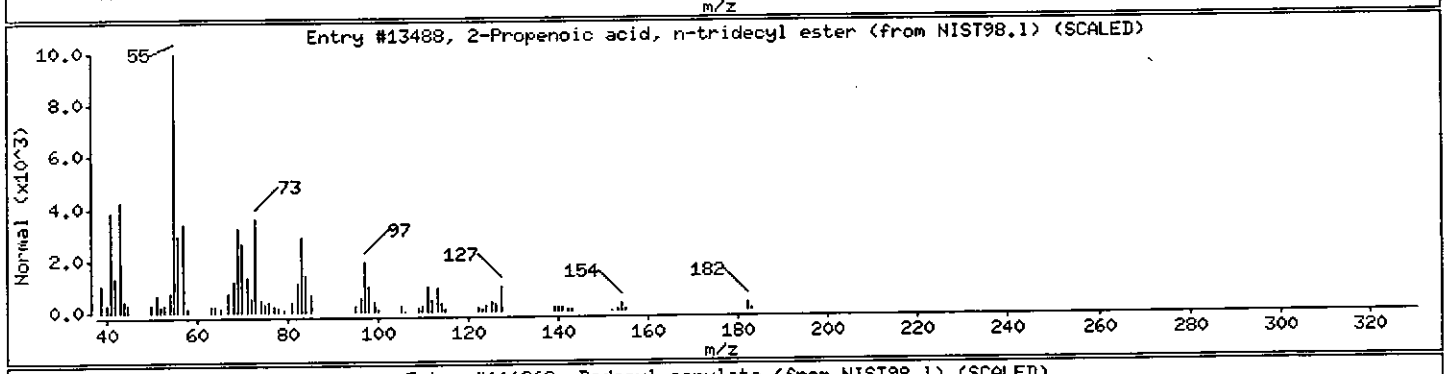
Column phase: J&W DB-5.625

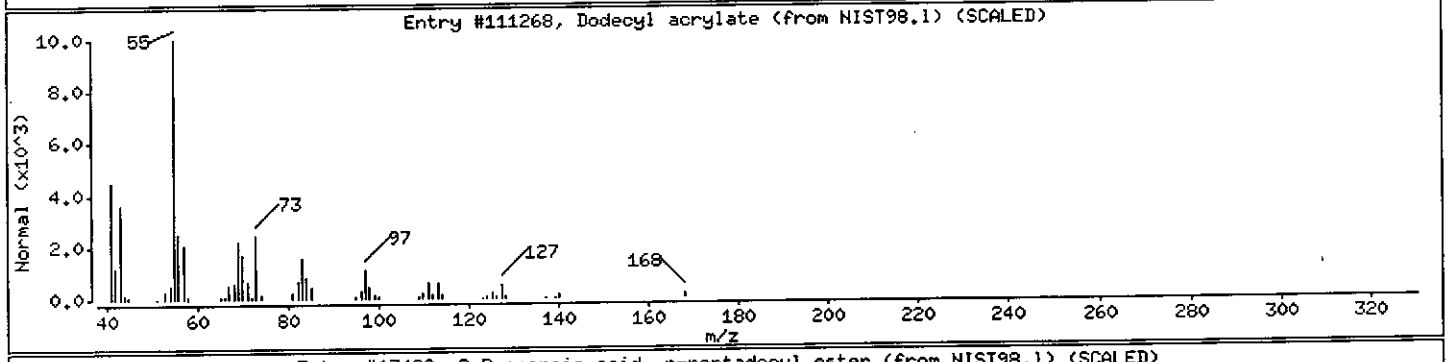
Column diameter: 0.25

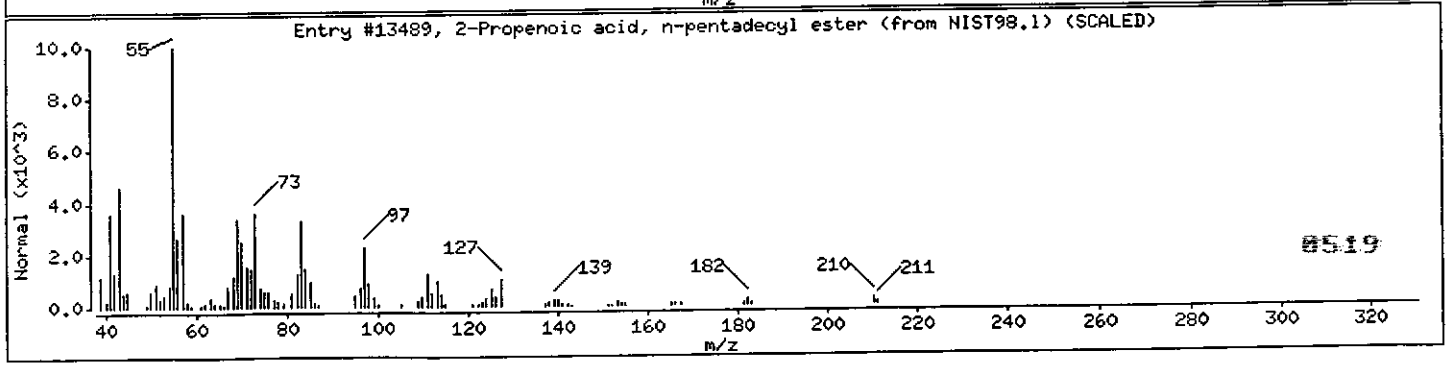
(B) lmn1986 02107106

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	91	C16H30O2	254
Dodecyl acrylate	2156-97-0	NIST98.1	111268	91	C15H28O2	240
2-Propenoic acid, n-pentadecyl ester	1000245-64-0	NIST98.1	13489	83	C18H34O2	282









0519

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

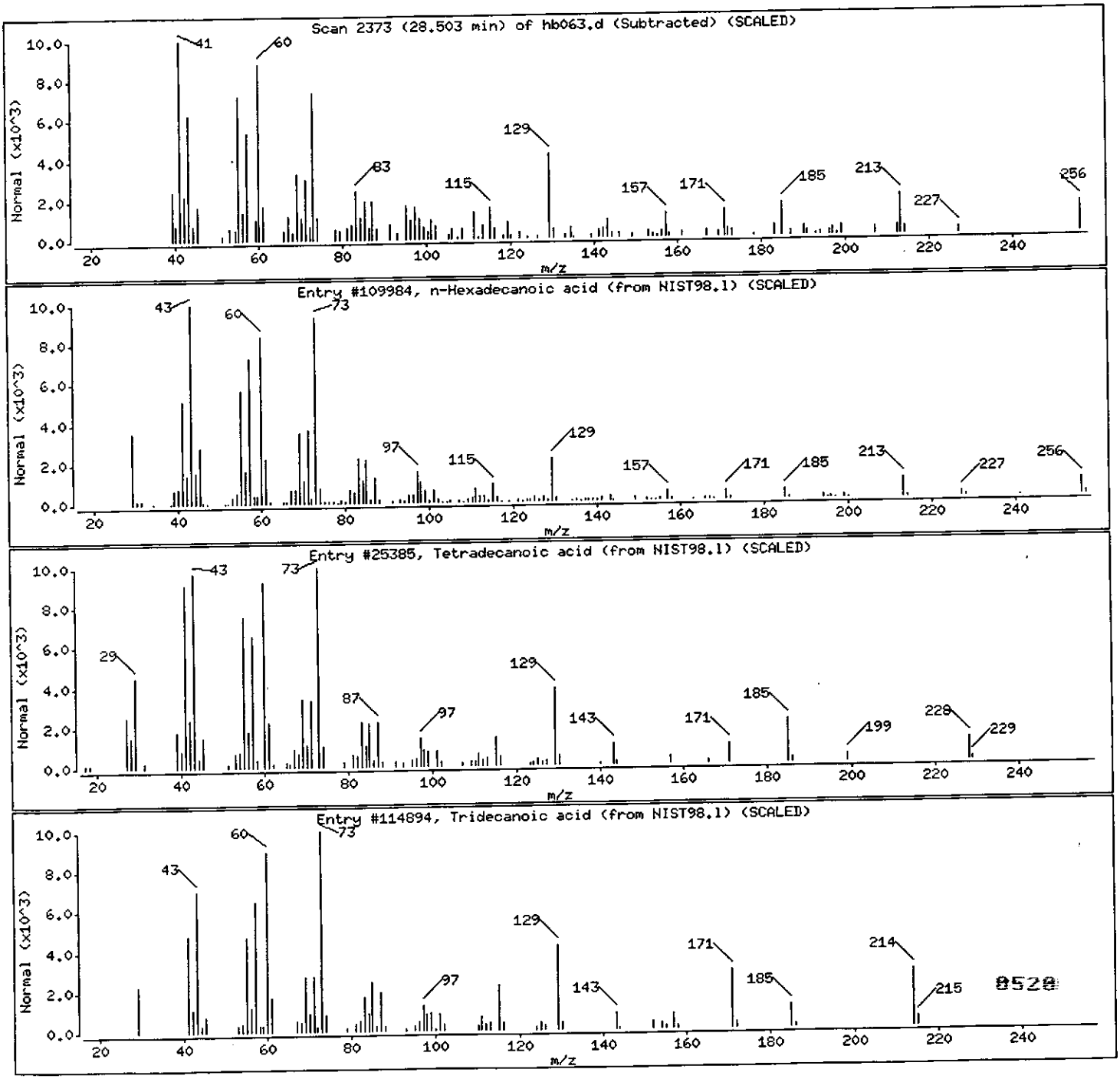
Volume Injected (uL): 2.0

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 Carboxylic Acid						
n-Hexadecanoic acid	57-10-3	NIST98.1	109984	83	C16H32O2	256
Tetradecanoic acid	544-63-8	NIST98.1	25385	81	C14H28O2	228
Tridecanoic acid	638-53-9	NIST98.1	114894	72	C13H26O2	214



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

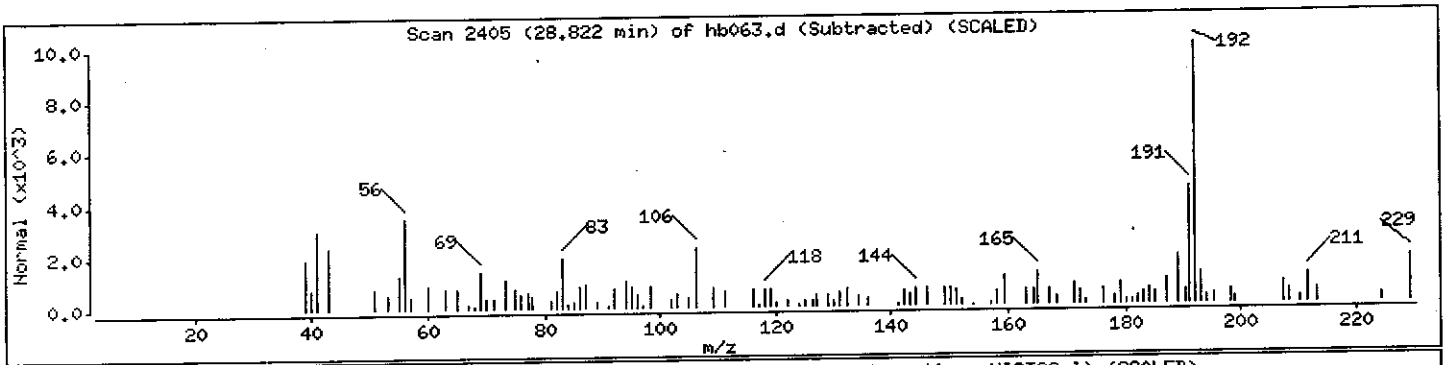
Volume Injected (uL): 2.0

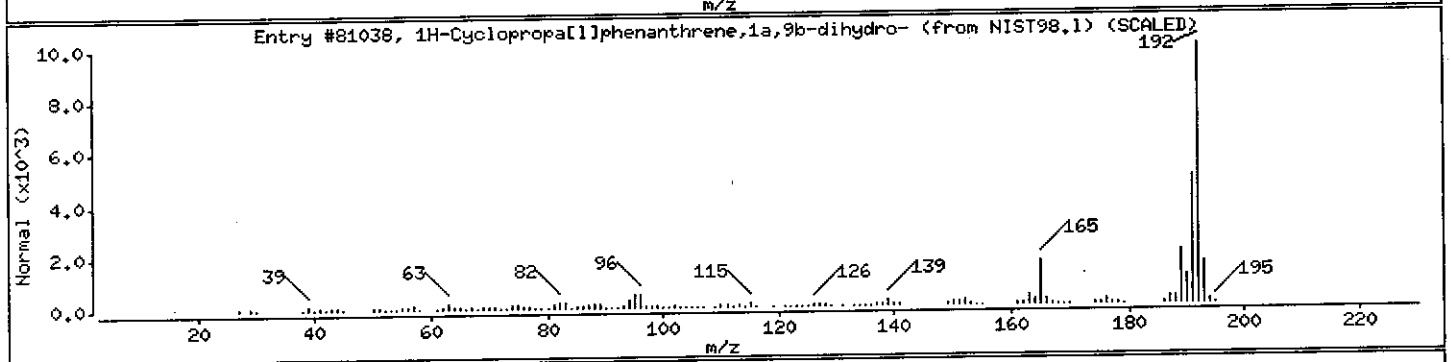
Operator: lmh00956

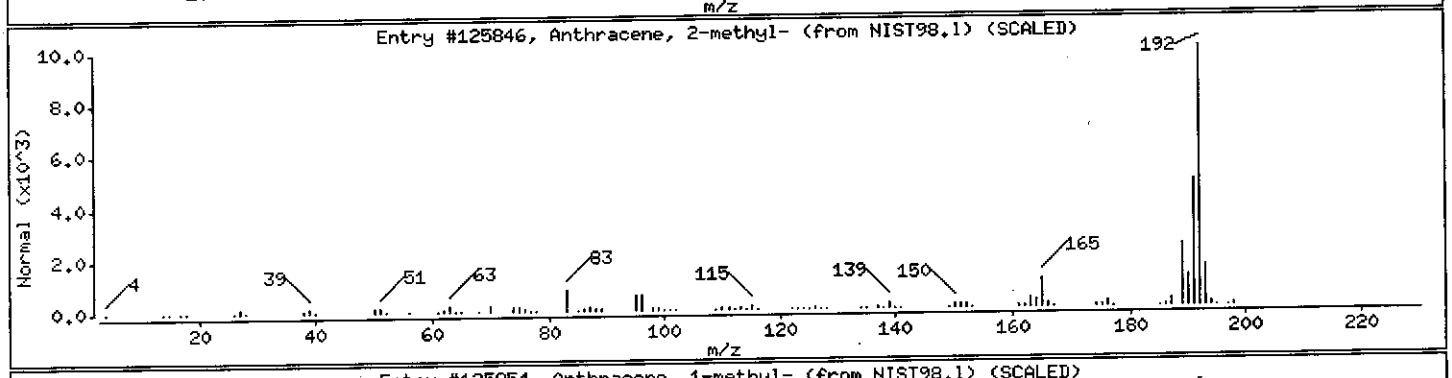
Column phase: J&W DB-5.625

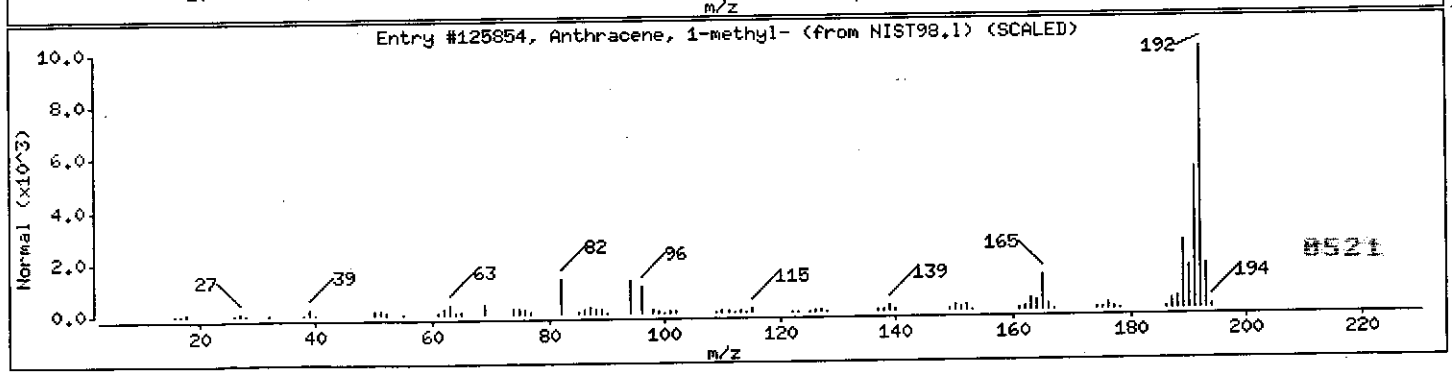
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST98.1	81038	58	C15H12	192
Anthracene, 2-methyl-	613-12-7	NIST98.1	125846	58	C15H12	192
Anthracene, 1-methyl-	610-48-0	NIST98.1	125854	58	C15H12	192









8521

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

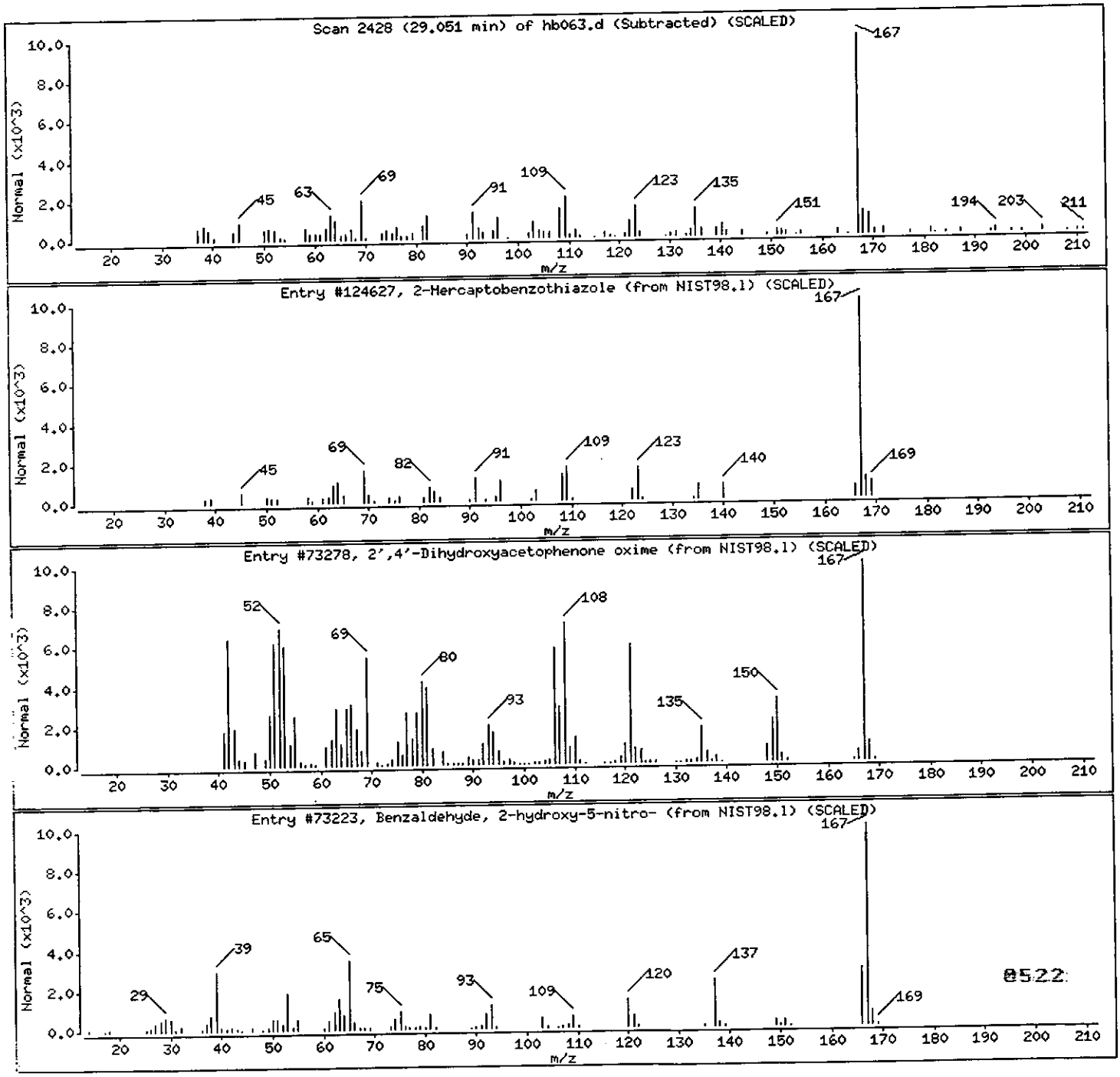
Volume Injected (uL): 2.0

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	124627	94	C7H5NS2	167
2',4'-Dihydroxyacetophenone oxime	1000212-89-5	NIST98.1	73278	43	C8H9NO3	167
Benzaldehyde, 2-hydroxy-5-nitro-	97-51-8	NIST98.1	73223	43	C7H5NO4	167



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

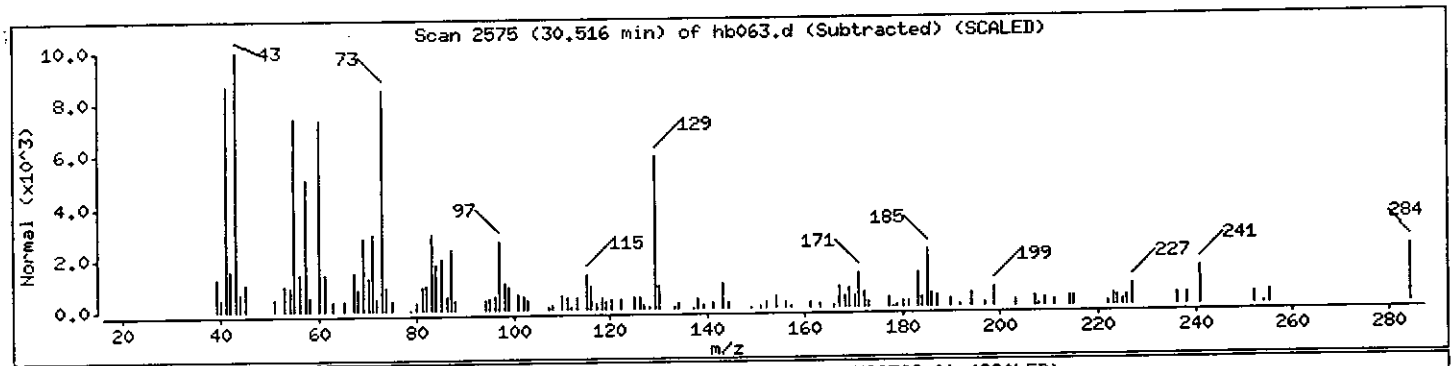
Volume Injected (uL): 2.0

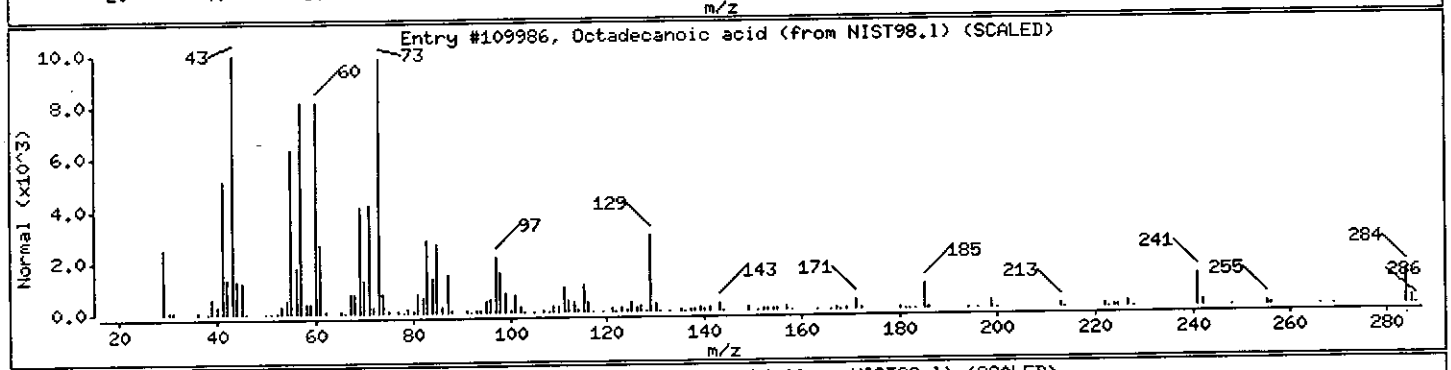
Operator: lmh00956

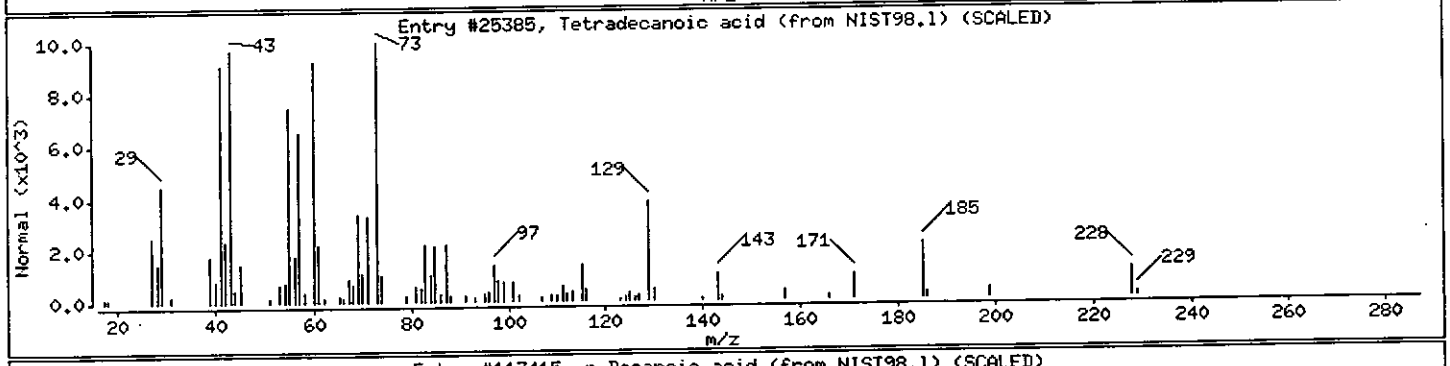
Column phase: J&W DB-5.625

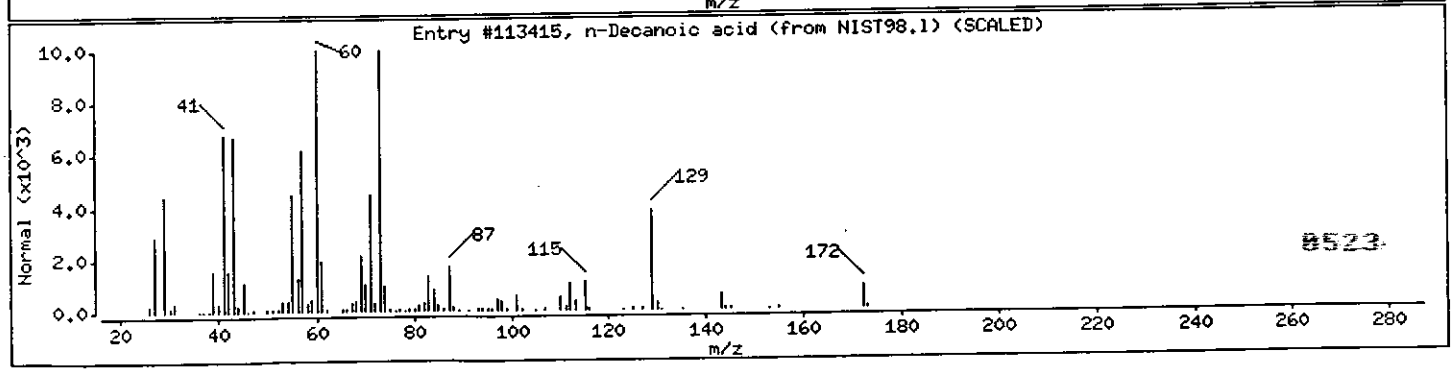
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Octadecanoic acid	57-11-4	NIST98.1	109986	59	C18H3602	284
Tetradecanoic acid	544-63-8	NIST98.1	25385	59	C14H2802	228
n-Decanoic acid	334-48-5	NIST98.1	113415	50	C10H2002	172









8523

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Sample Info: 6020-;4692566;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

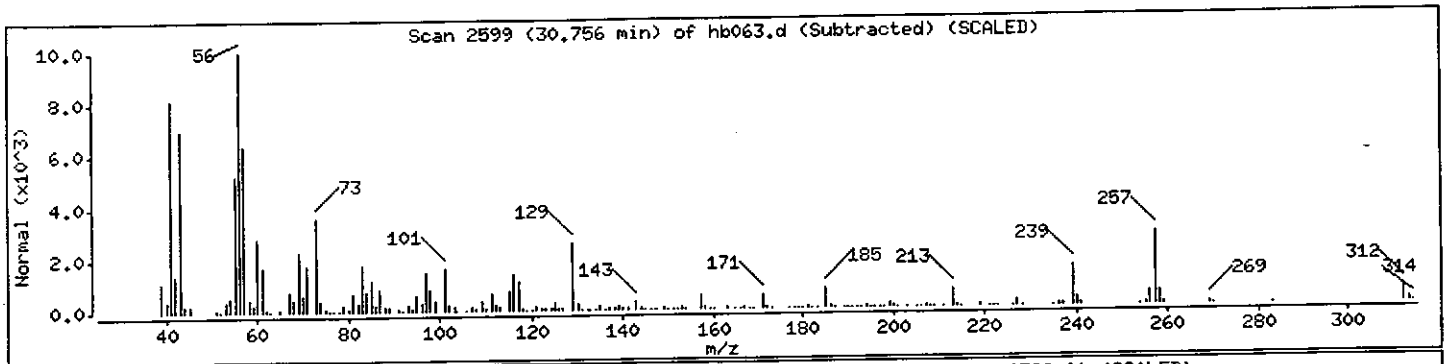
Instrument: HP04629.i

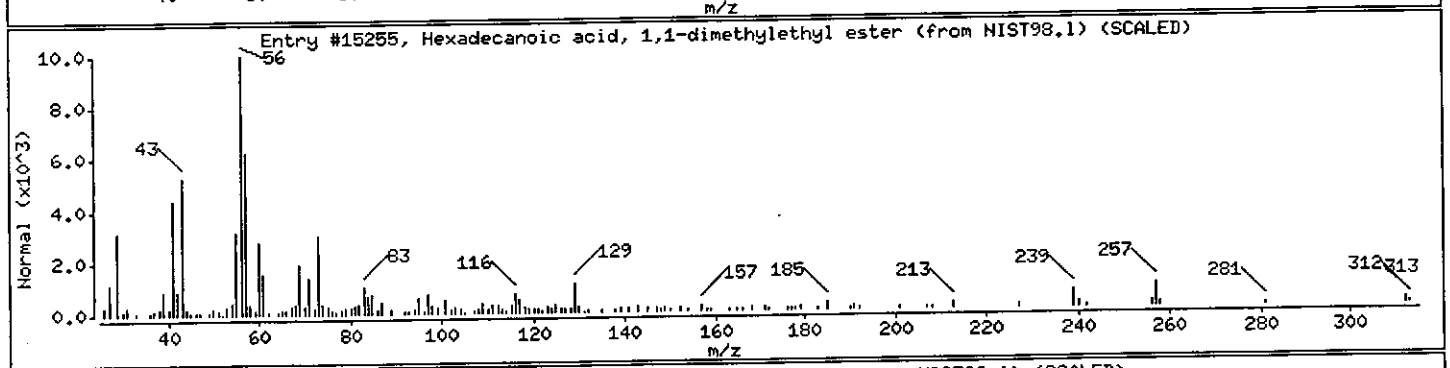
Operator: lmh00956

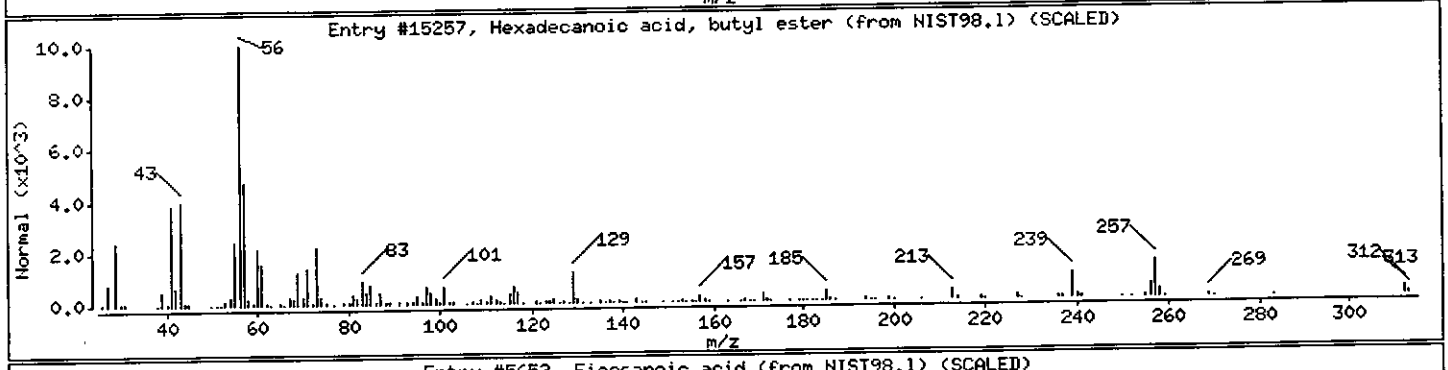
Column diameter: 0.25

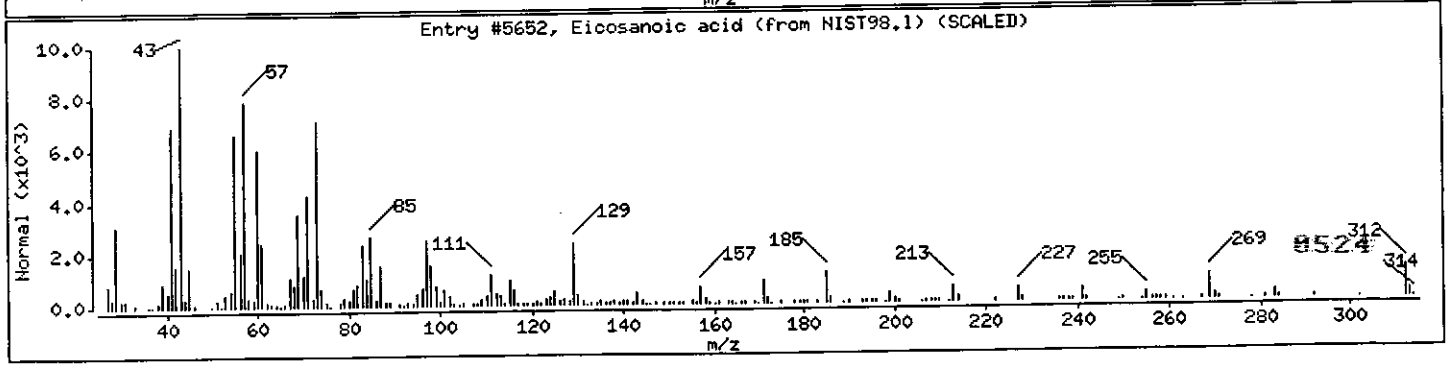
B LMN198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	94	C20H40O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	89	C20H40O2	312
Eicosanoic acid	506-30-9	NIST98.1	5652	48	C20H40O2	312









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

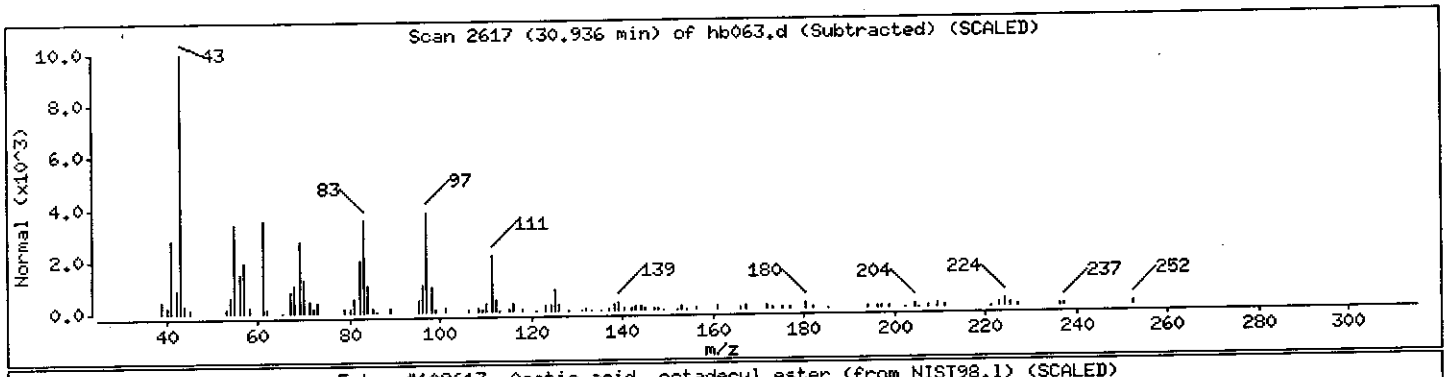
Volume Injected (uL): 2.0

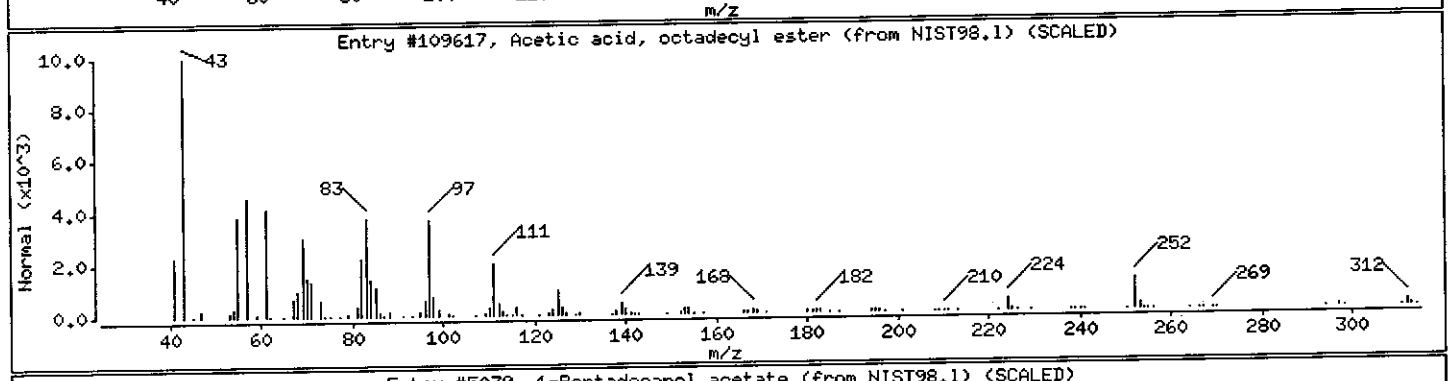
Operator: lmh00956

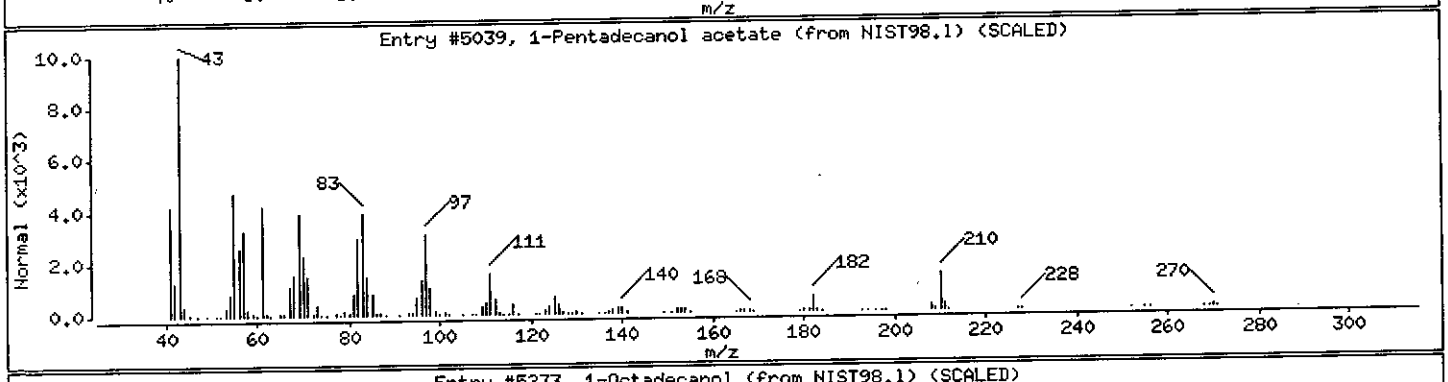
Column phase: J&W DB-5.625

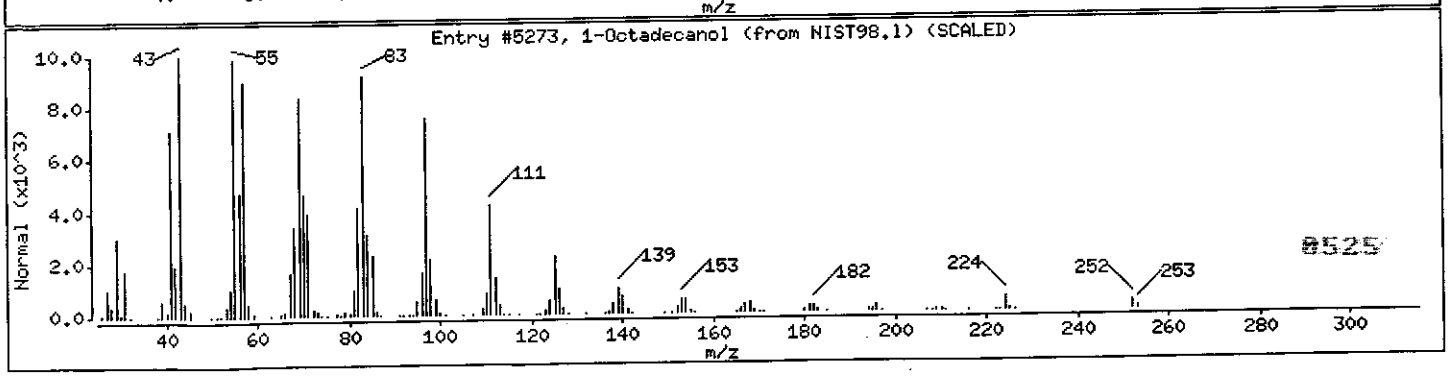
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetic acid, octadecyl ester	822-23-1	NIST98.1	109617	72	C20H40O2	312
1-Pentadecanol acetate	1000131-34-1	NIST98.1	5039	59	C17H34O2	270
1-Octadecanol	112-92-5	NIST98.1	5273	52	C18H38O	270









8525

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

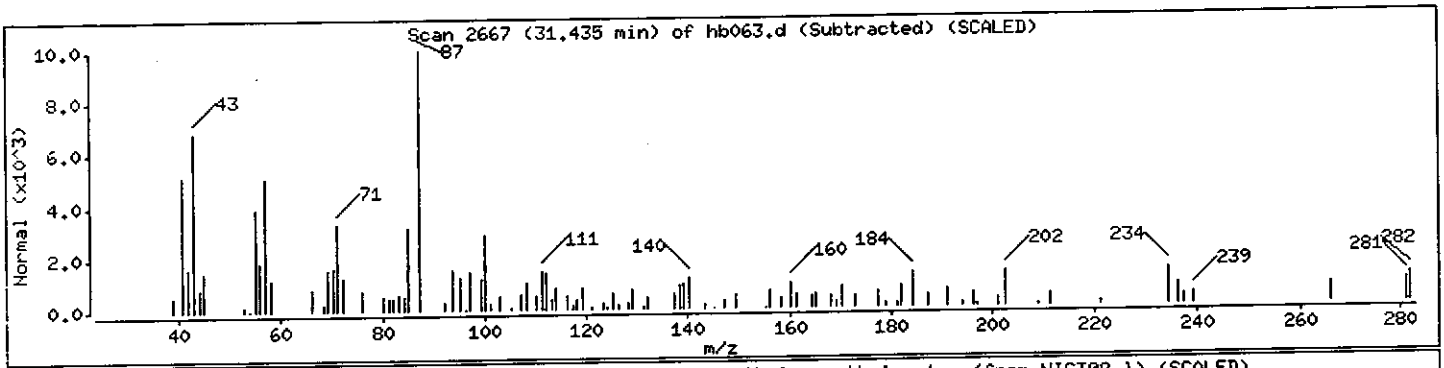
Volume Injected (uL): 2.0

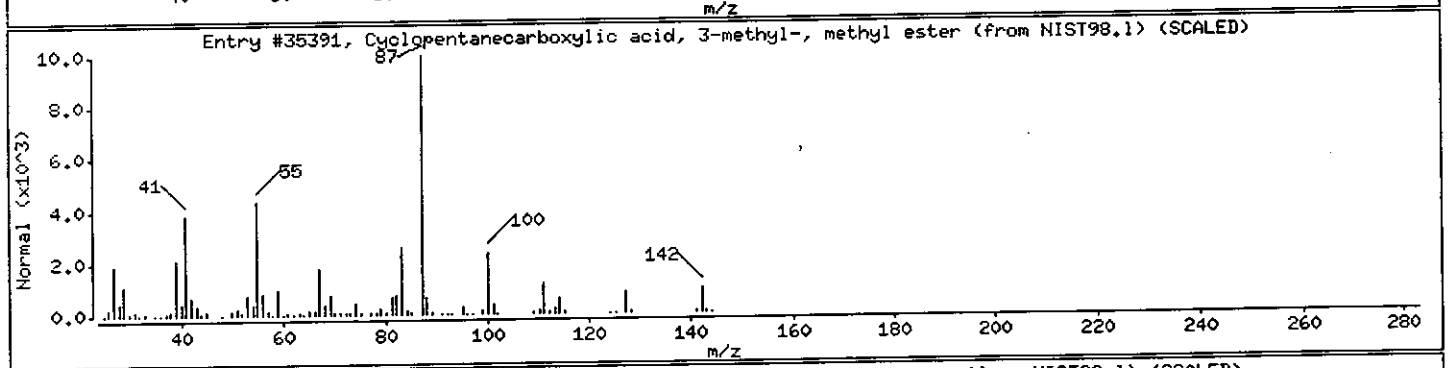
Operator: lmh00956

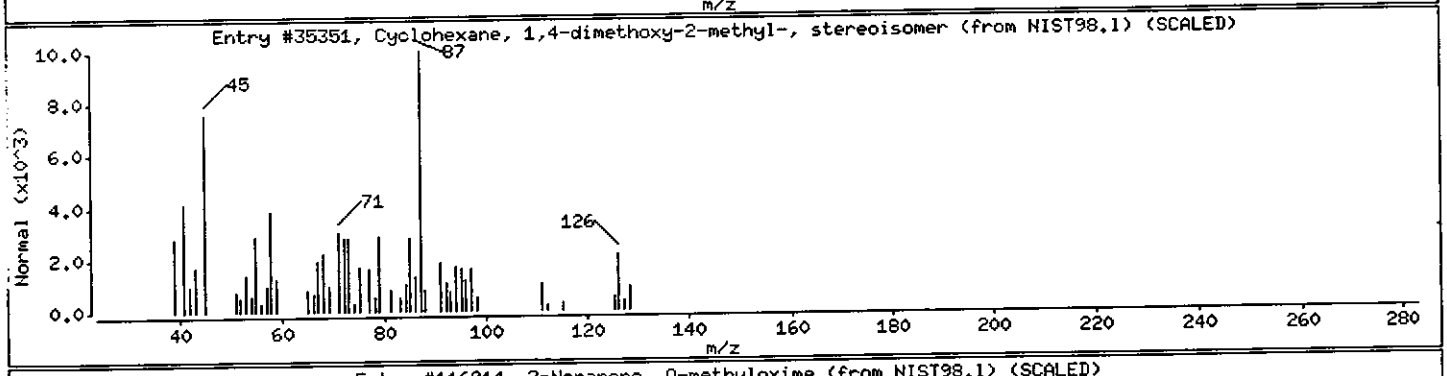
Column phase: J&W DB-5.625

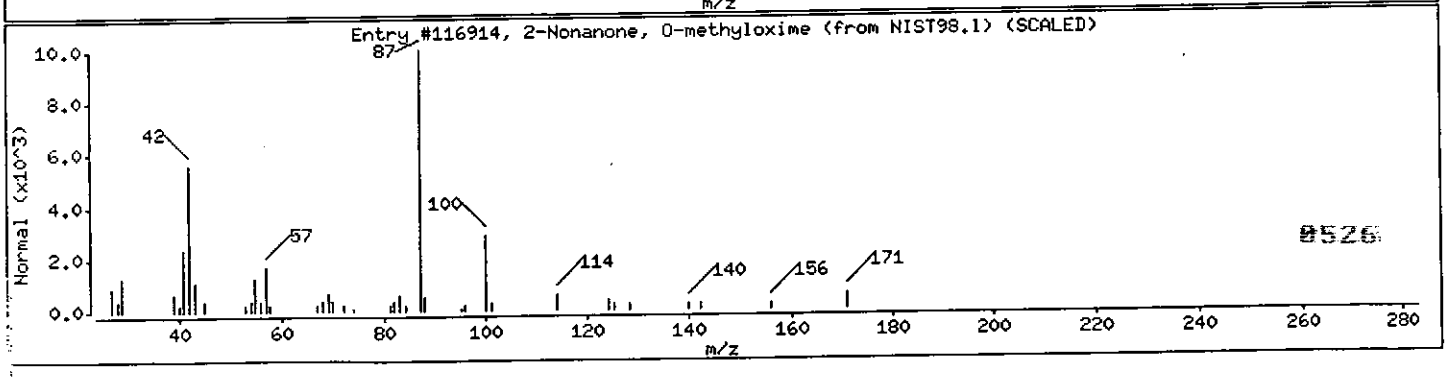
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopentanecarboxylic acid, 3-methyl-,	24070-72-2	NIST98.1	35391	43	C8H14O2	142
Cyclohexane, 1,4-dimethoxy-2-methyl-, st	30363-88-3	NIST98.1	35351	37	C9H18O2	158
2-Nonanone, O-methyloxime	56292-72-9	NIST98.1	116914	37	C10H21NO	171









0526

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

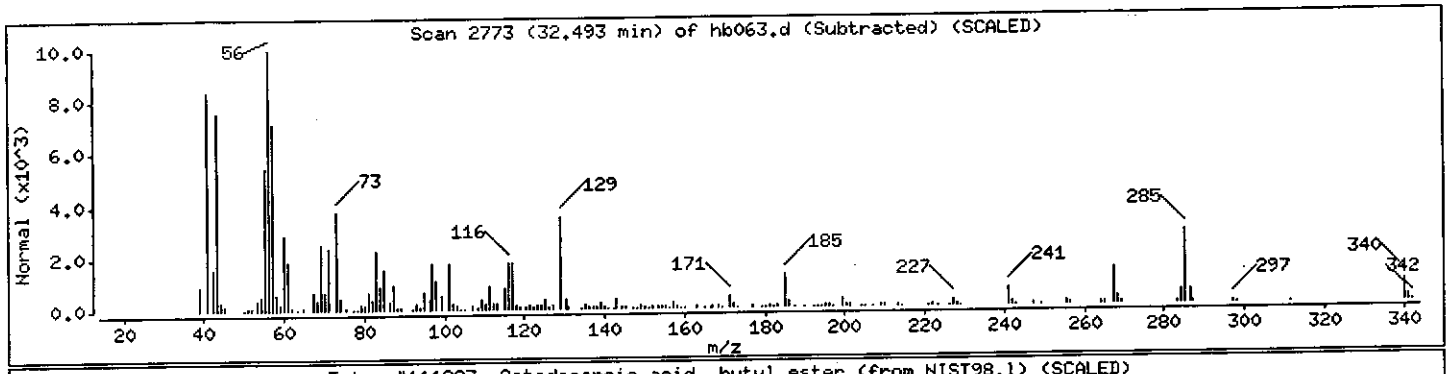
Volume Injected (uL): 2.0

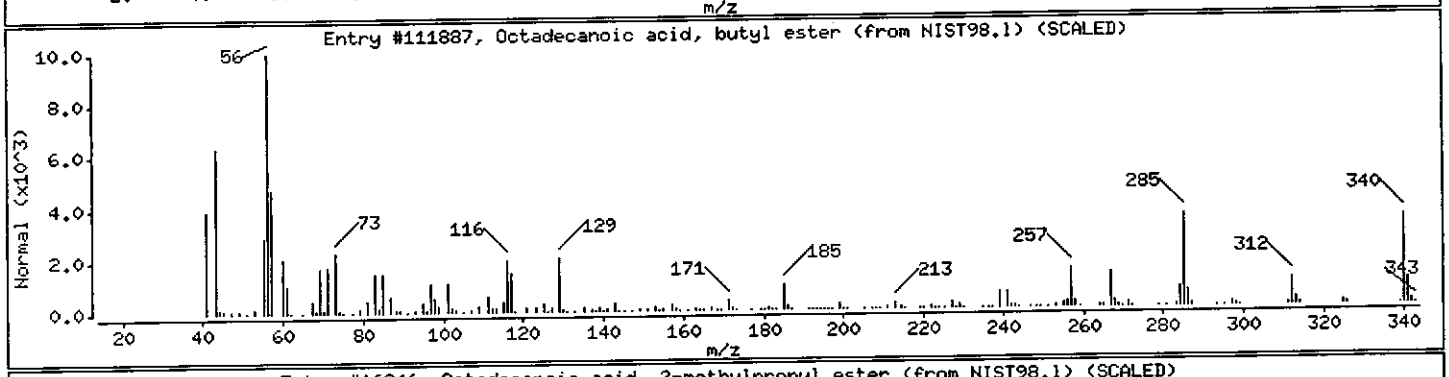
Operator: lmh00956

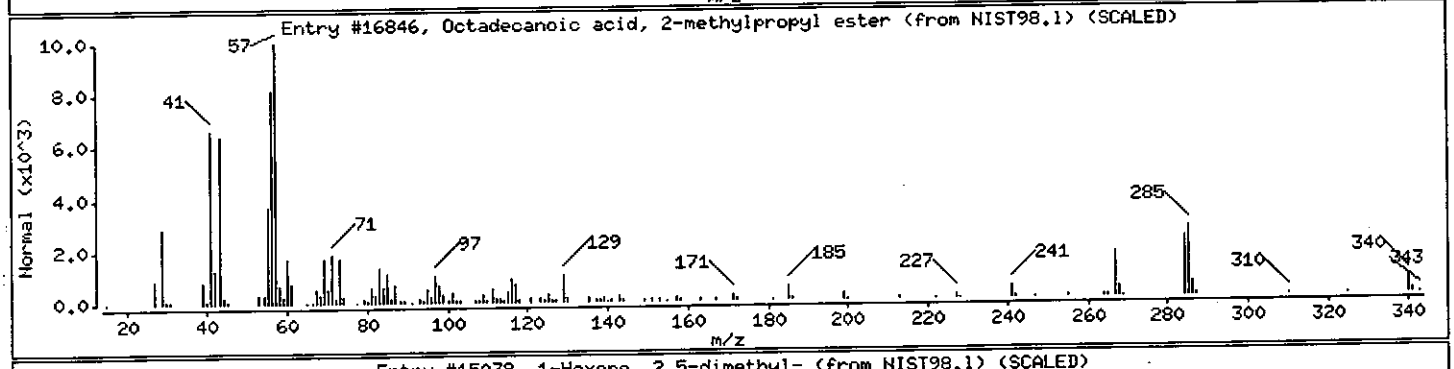
Column phase: J&W DB-5.625

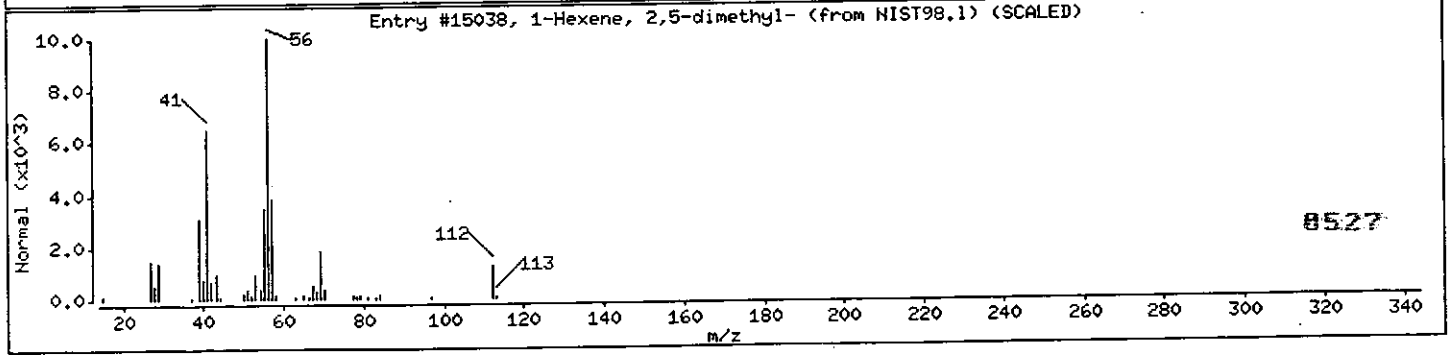
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111887	95	C22H4402	340
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	76	C22H4402	340
1-Hexene, 2,5-dimethyl-	6975-92-4	NIST98.1	15038	30	C8H16	112









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

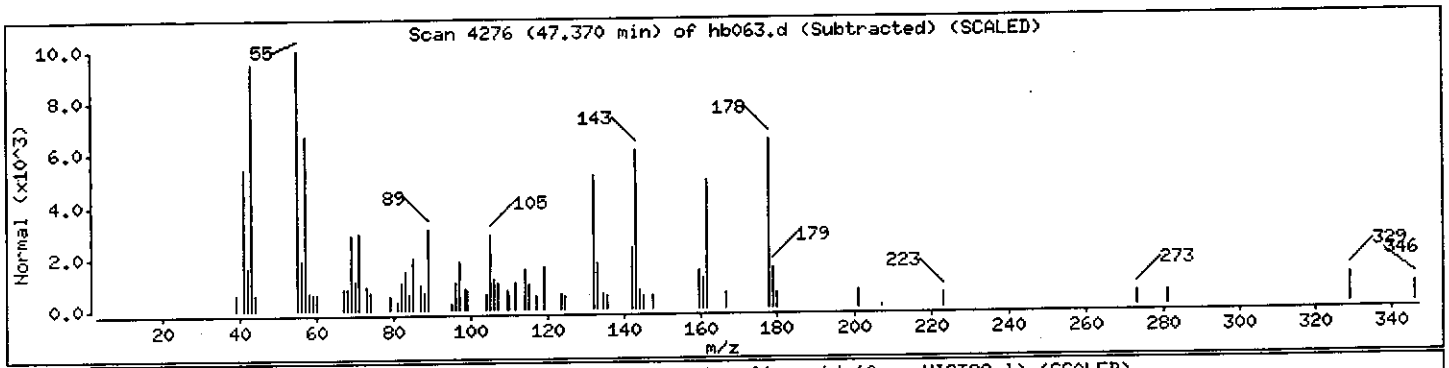
Volume Injected (uL): 2.0

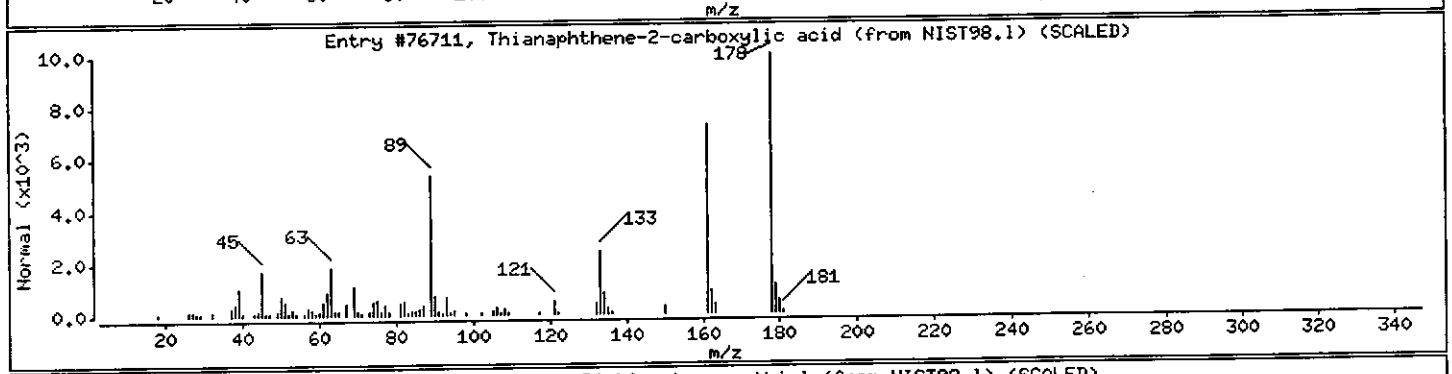
Operator: lmh00956

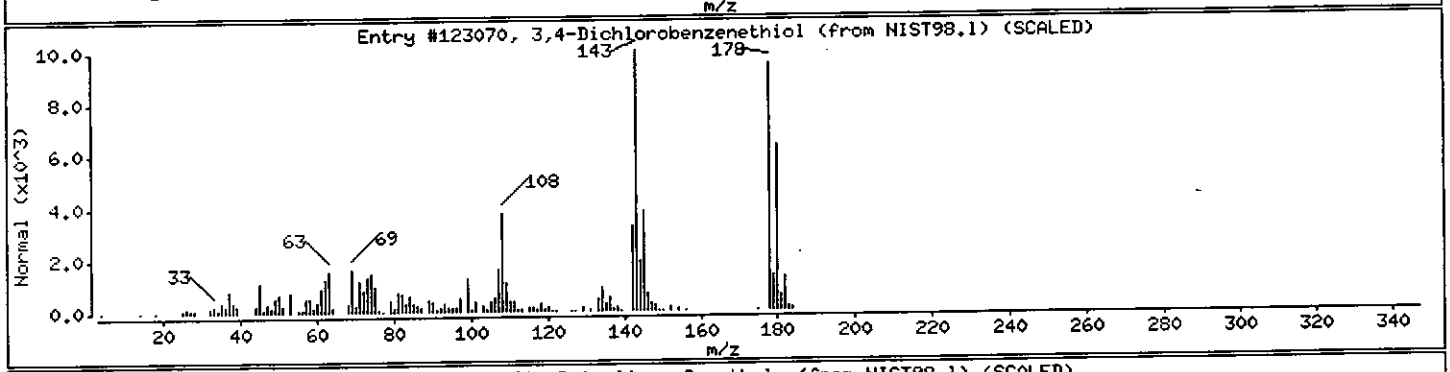
Column phase: J&W DB-5.625

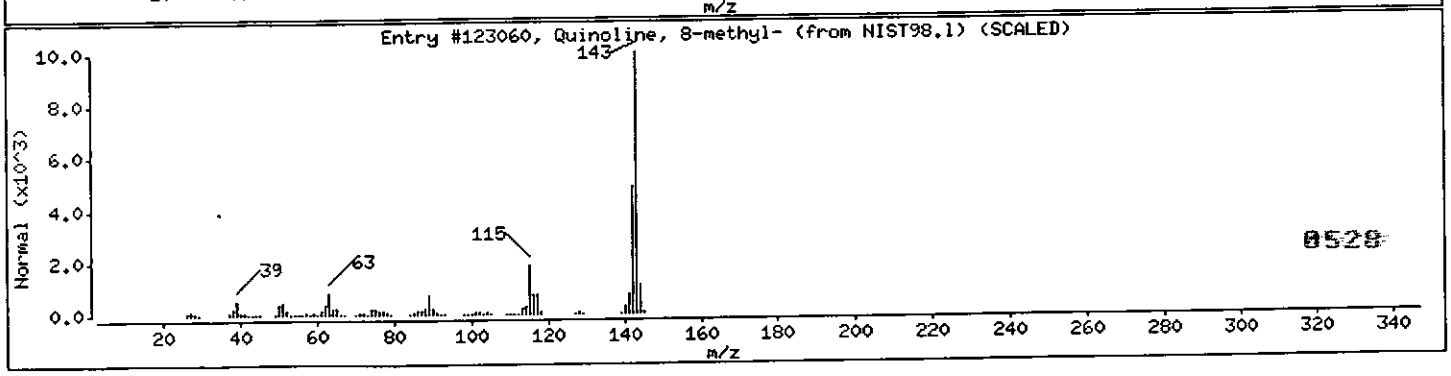
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.1	76711	30	C9H6O2S	178
3,4-Dichlorobenzenethiol	5858-17-3	NIST98.1	123070	27	C6H4Cl2S	178
Quinoline, 8-methyl-	611-32-5	NIST98.1	123060	18	C10H9N	143









0528

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

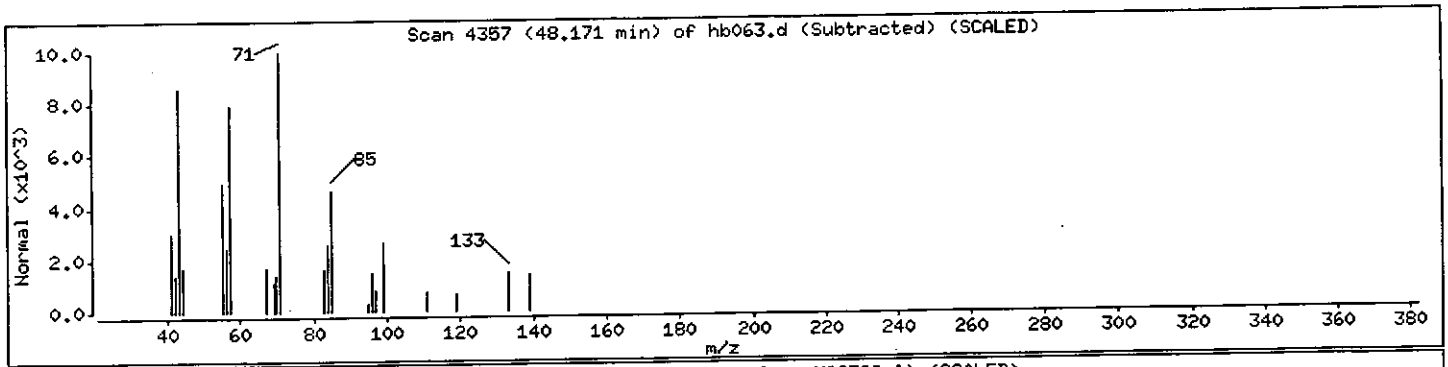
Volume Injected (uL): 2.0

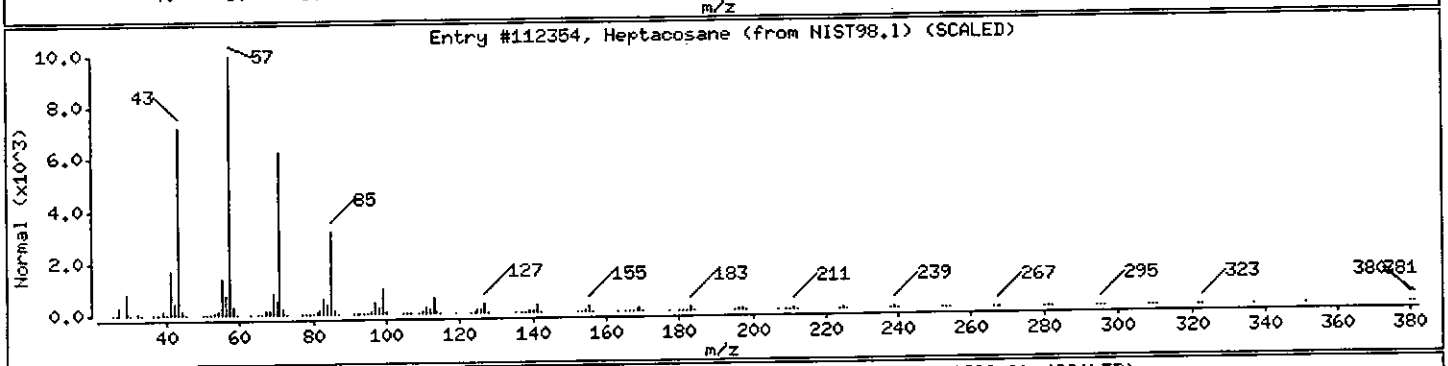
Operator: lmh00956

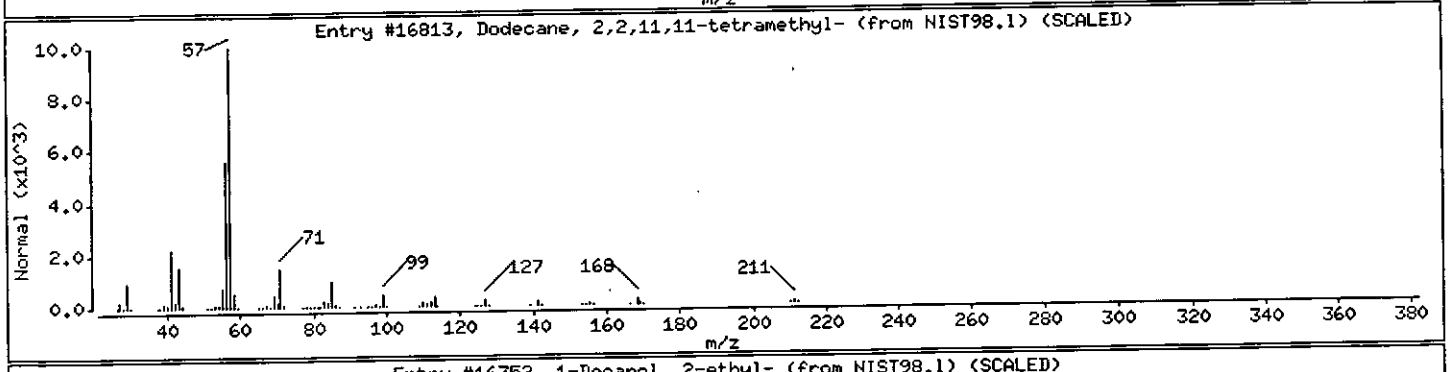
Column phase: J&W DB-5.625

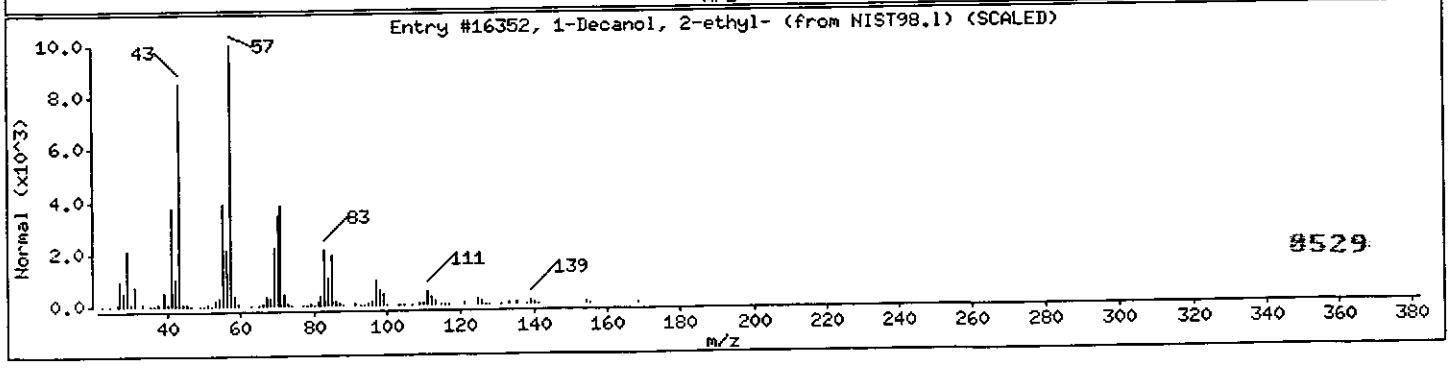
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptacosane	593-49-7	NIST98.1	112354	50	C27H56	380
Dodecane, 2,2,11,11-tetramethyl-	127204-12-0	NIST98.1	16813	47	C16H34	226
1-Decanol, 2-ethyl-	21078-65-9	NIST98.1	16352	43	C12H26O	186









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

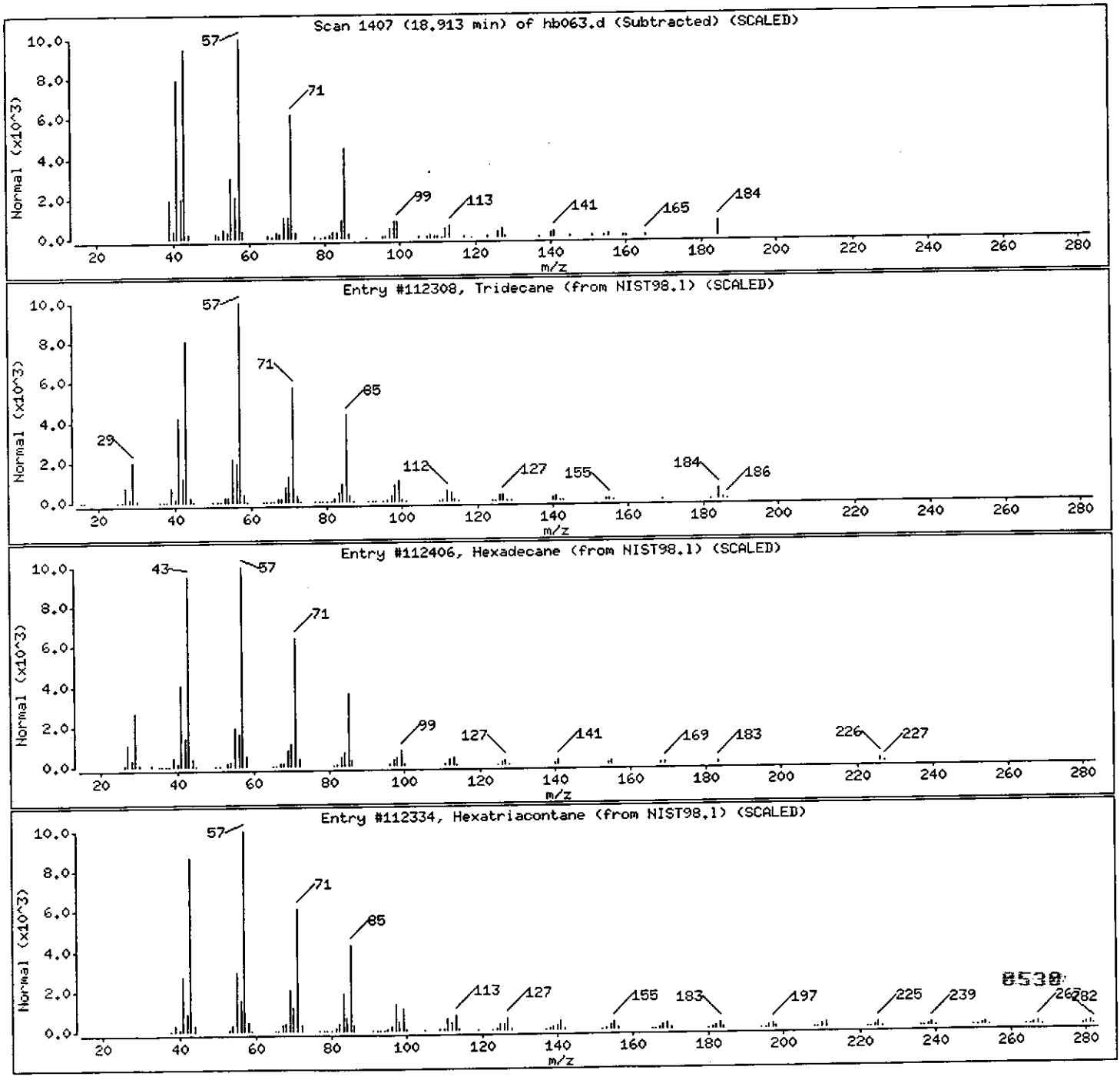
Volume Injected (uL): 2.0

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
Hexadecane	544-76-3	NIST98.1	112406	86	C16H34	226
Hexatriacontane	630-06-8	NIST98.1	112334	80	C36H74	507



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

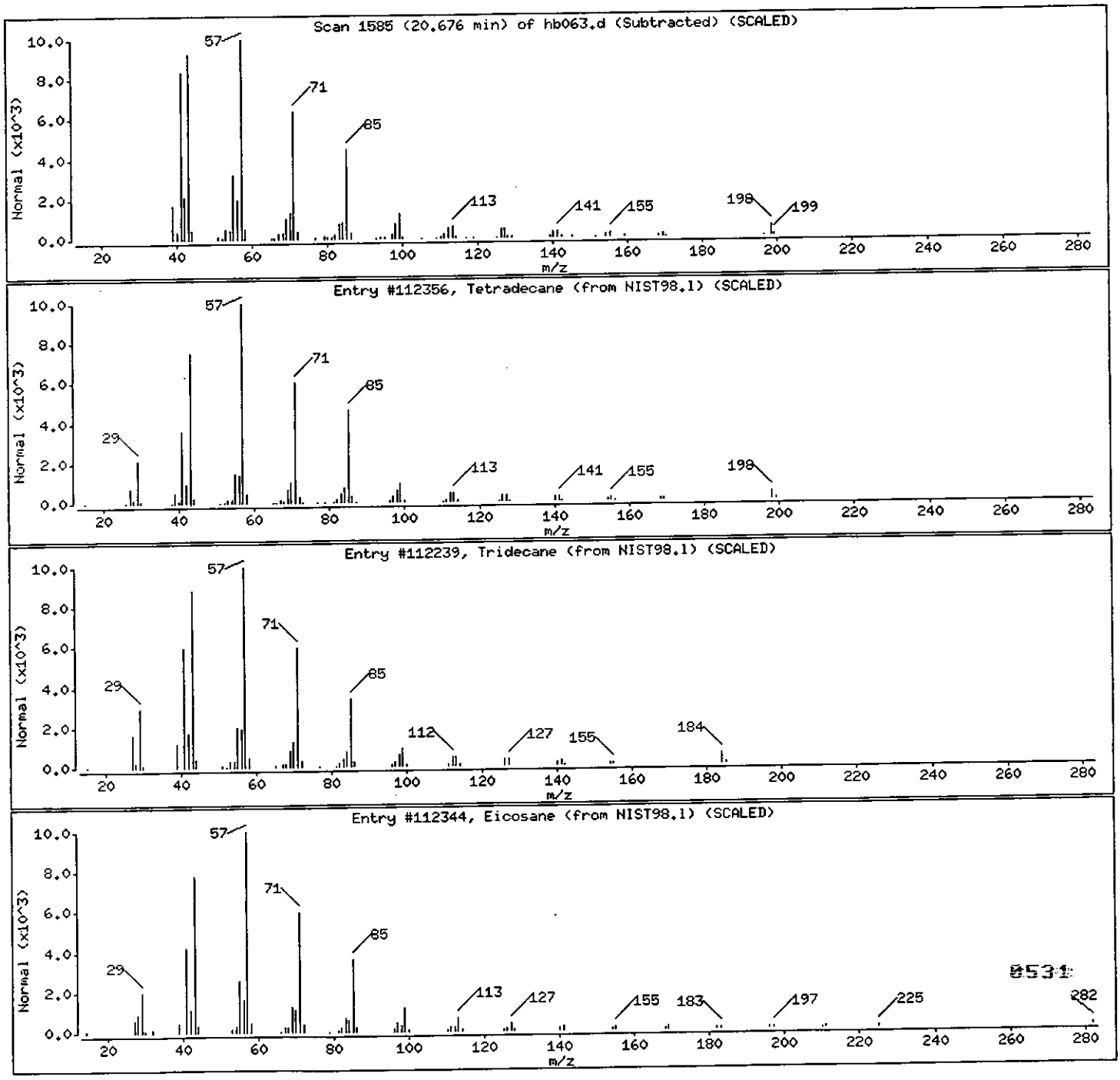
Volume Injected (uL): 2.0

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	112356	98	C14H30	198
Tridecane	629-50-5	NIST98.1	112239	91	C13H28	184
Eicosane	112-95-8	NIST98.1	112344	87	C20H42	282



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

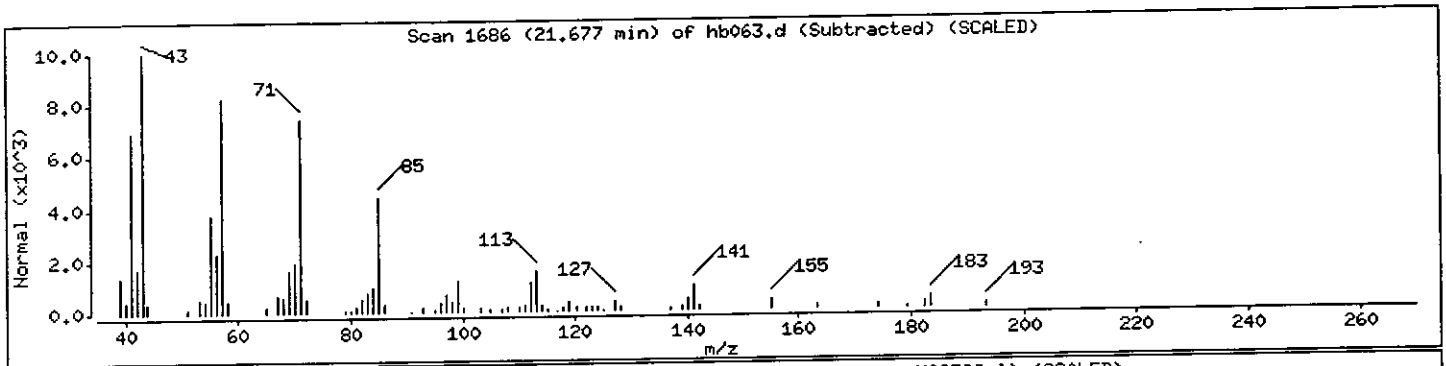
Volume Injected (uL): 2.0

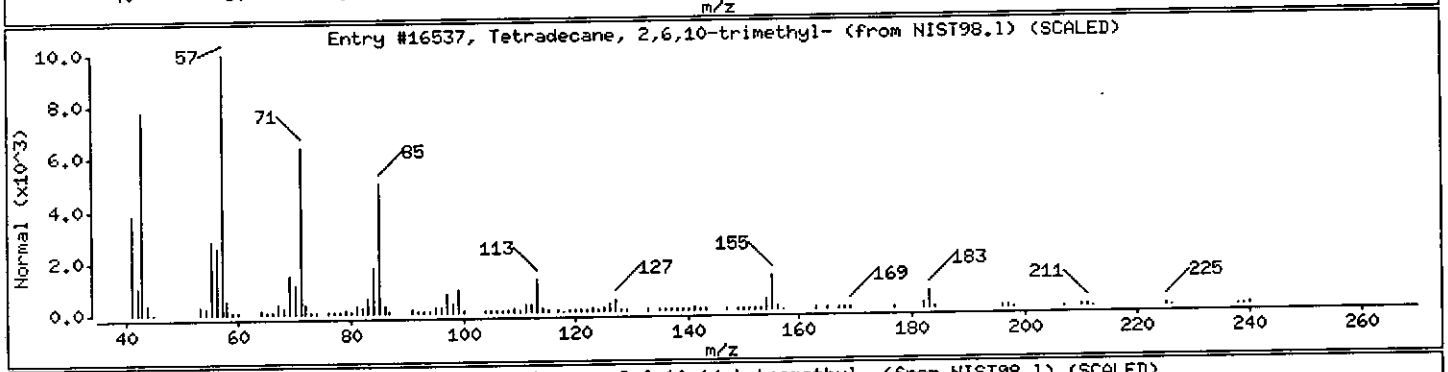
Operator: lmh00956

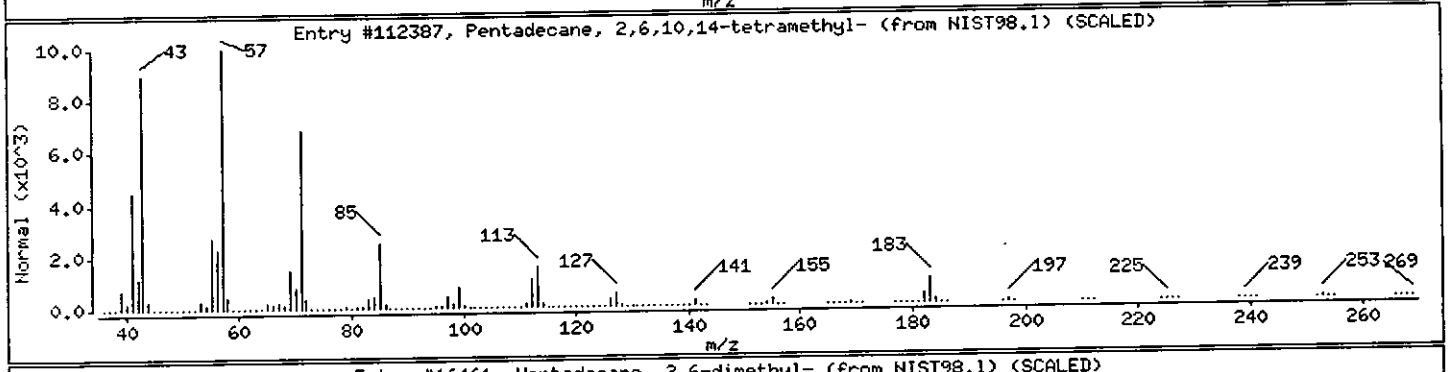
Column phase: J&W DB-5.625

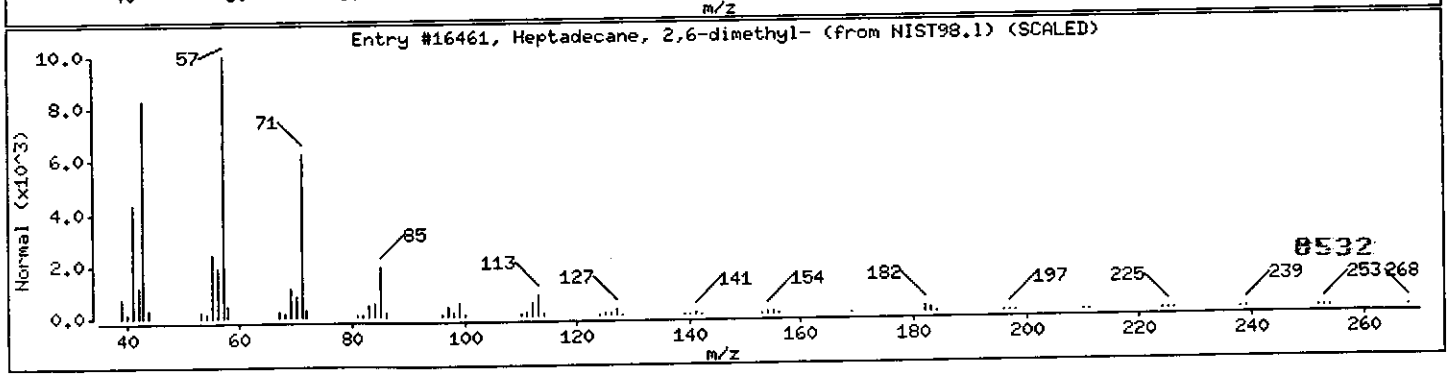
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetradecane, 2,6,10-trimethyl-	14905-56-7	NIST98.1	16537	80	C17H36	240
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.1	112387	58	C19H40	268
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST98.1	16461	58	C19H40	268









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

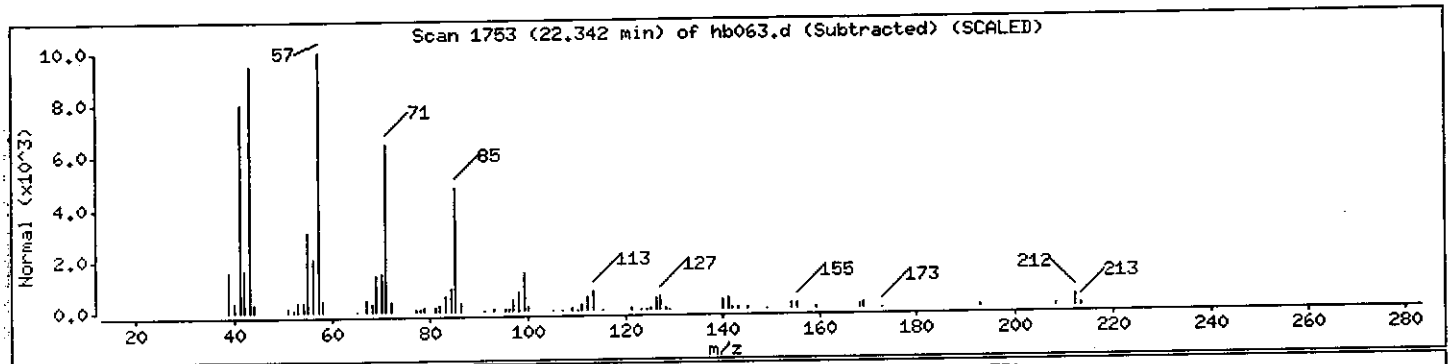
Volume Injected (uL): 2.0

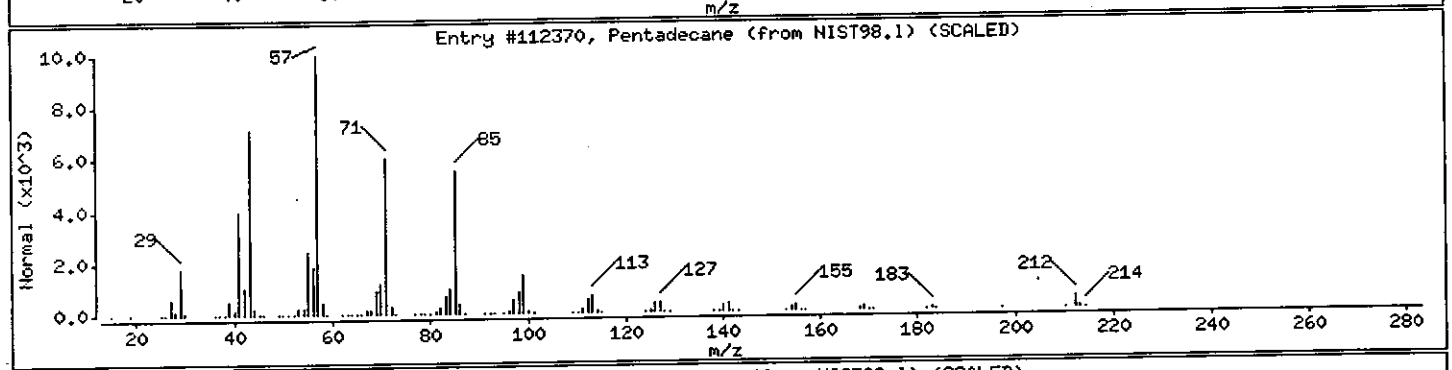
Operator: lmh00956

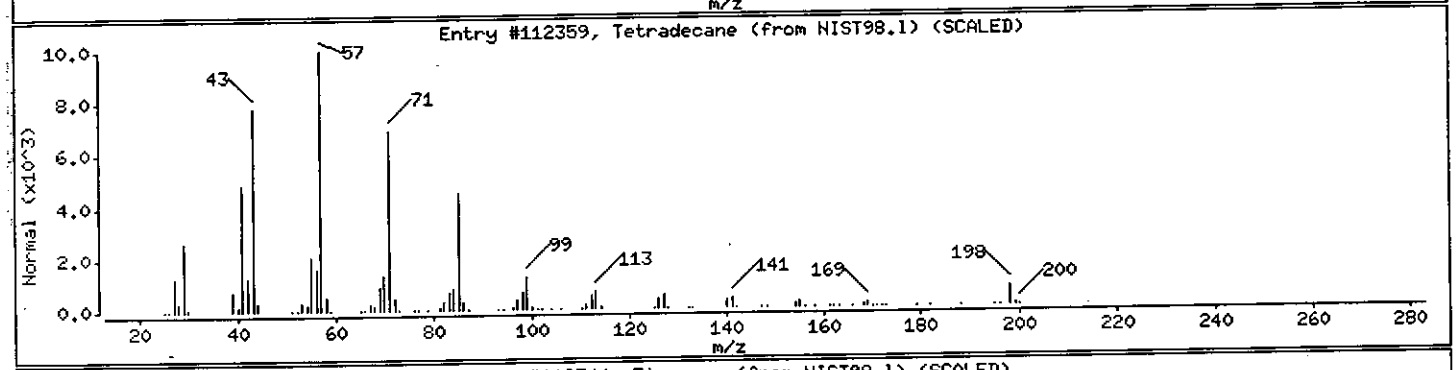
Column phase: J&W DB-5.625

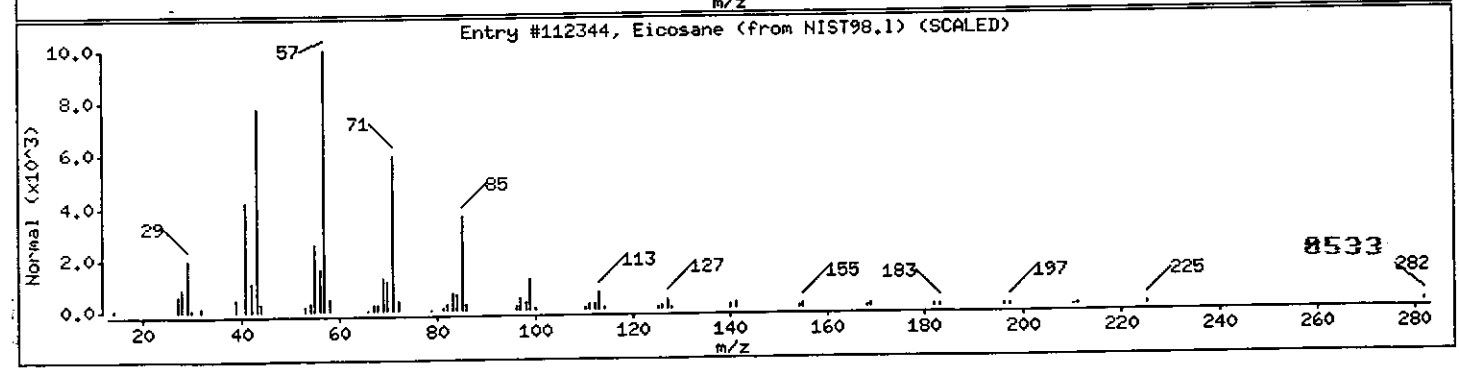
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentadecane	629-62-9	NIST98.1	112370	98	C15H32	212
Tetradecane	629-59-4	NIST98.1	112359	91	C14H30	198
Eicosane	112-95-8	NIST98.1	112344	91	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

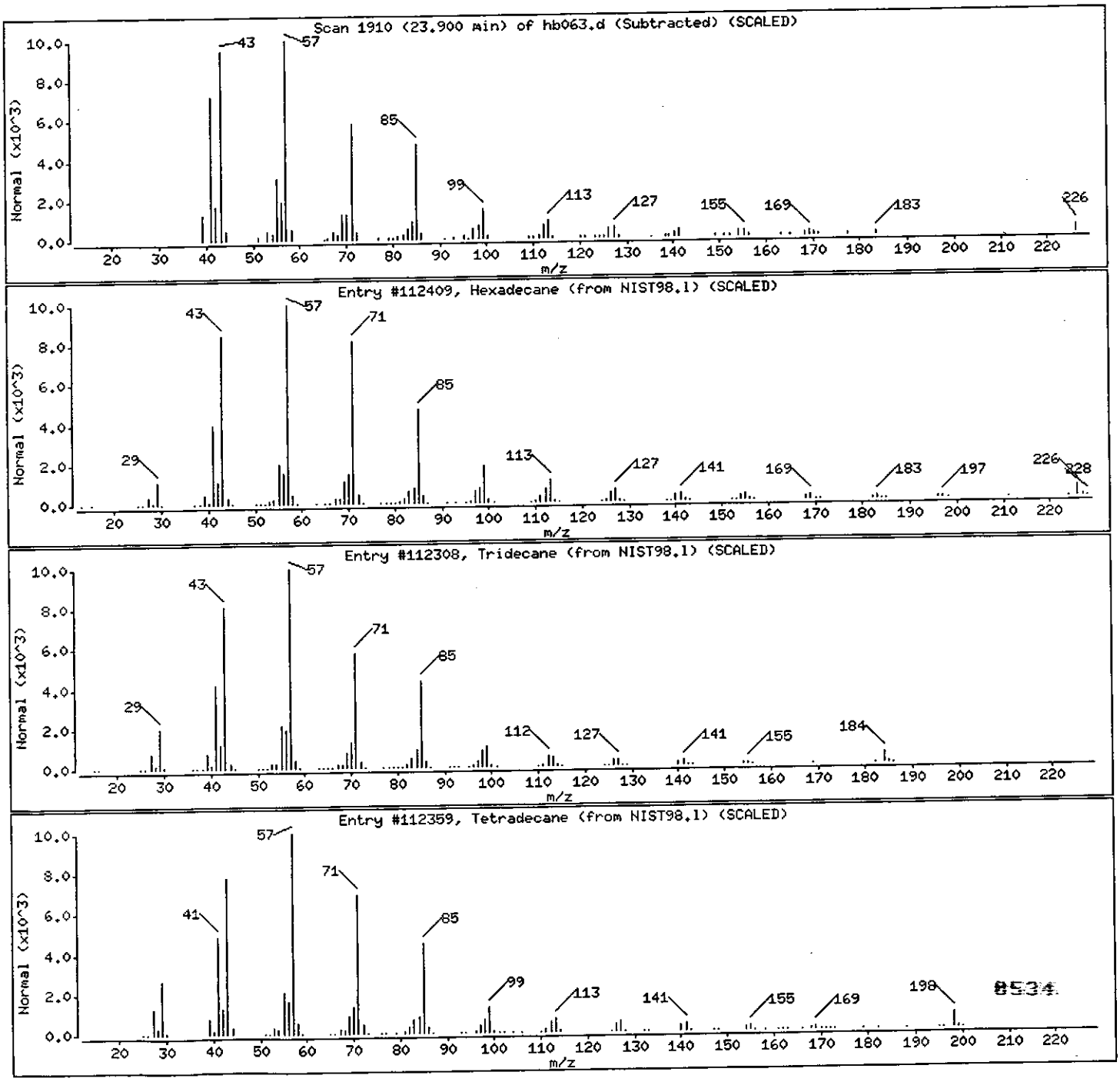
Volume Injected (uL): 2.0

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	98	C16H34	226
Tridecane	629-50-5	NIST98.1	112308	91	C13H28	184
Tetradecane	629-59-4	NIST98.1	112359	91	C14H30	198



8534

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

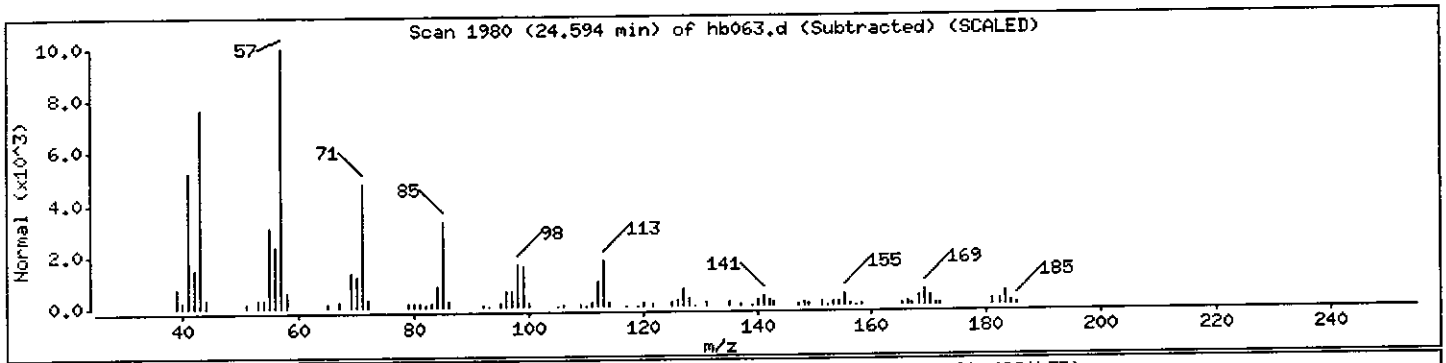
Volume Injected (uL): 2.0

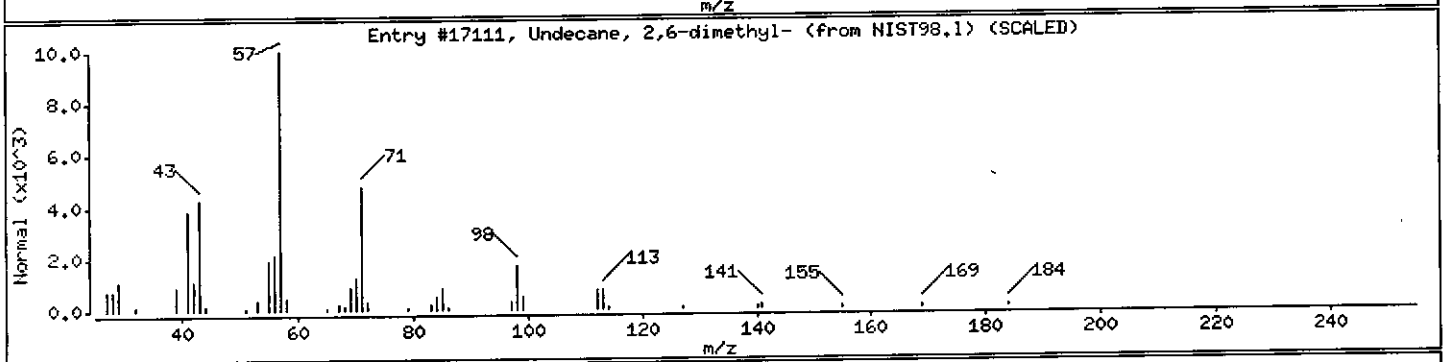
Operator: lmh00956

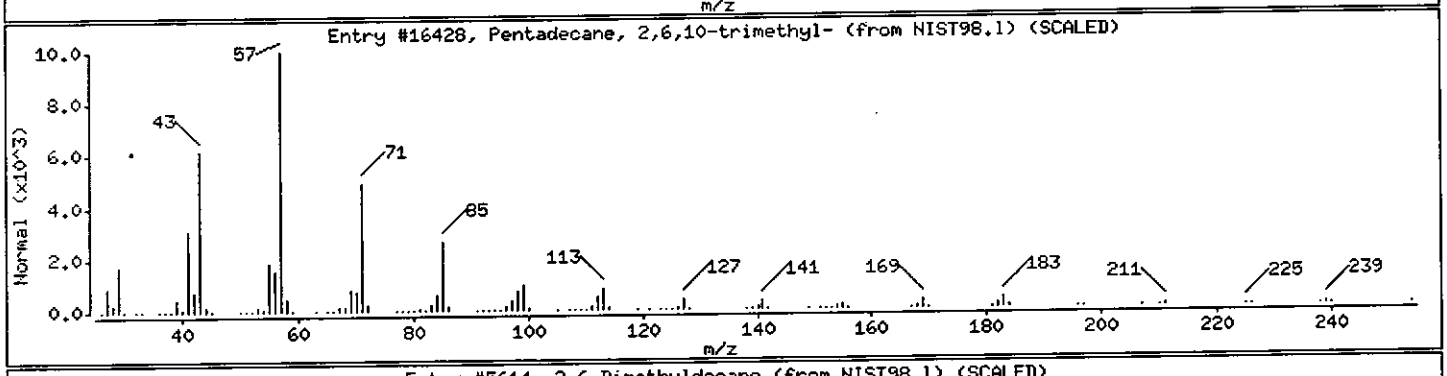
Column phase: J&W DB-5.625

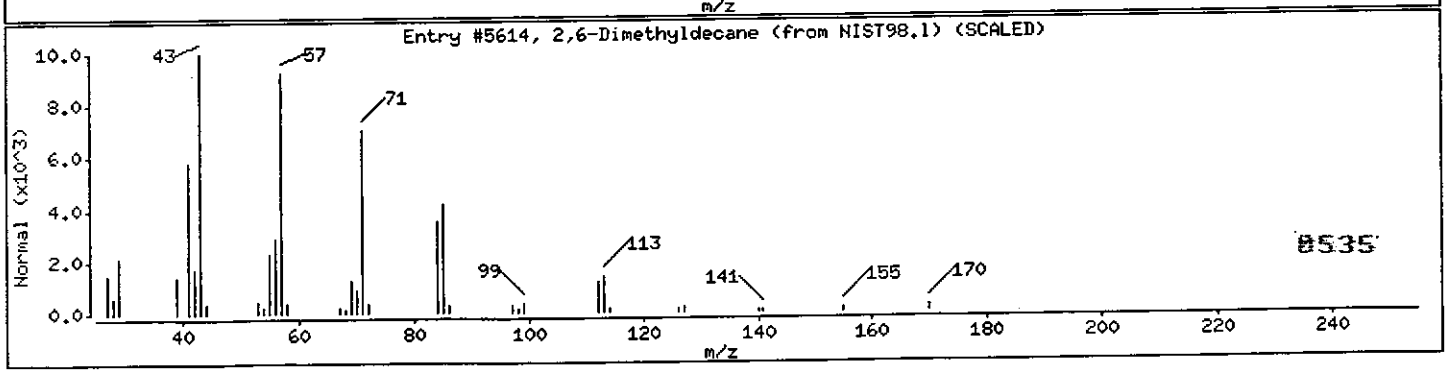
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Undecane, 2,6-dimethyl-	17301-23-4	NIST98.1	17111	81	C13H28	184
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST98.1	16428	80	C18H38	254
2,6-Dimethyldecane	13150-81-7	NIST98.1	5614	76	C12H26	170









8535

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

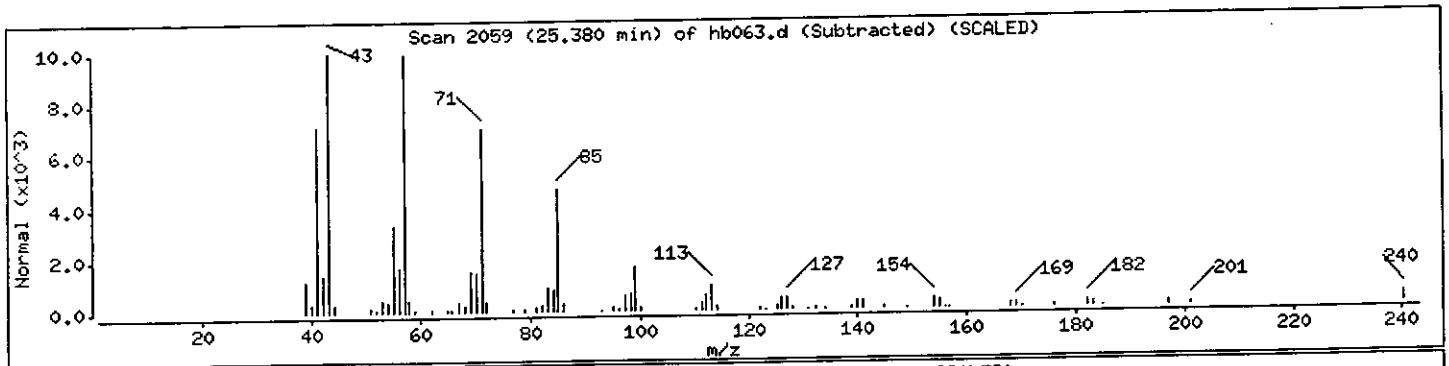
Volume Injected (uL): 2.0

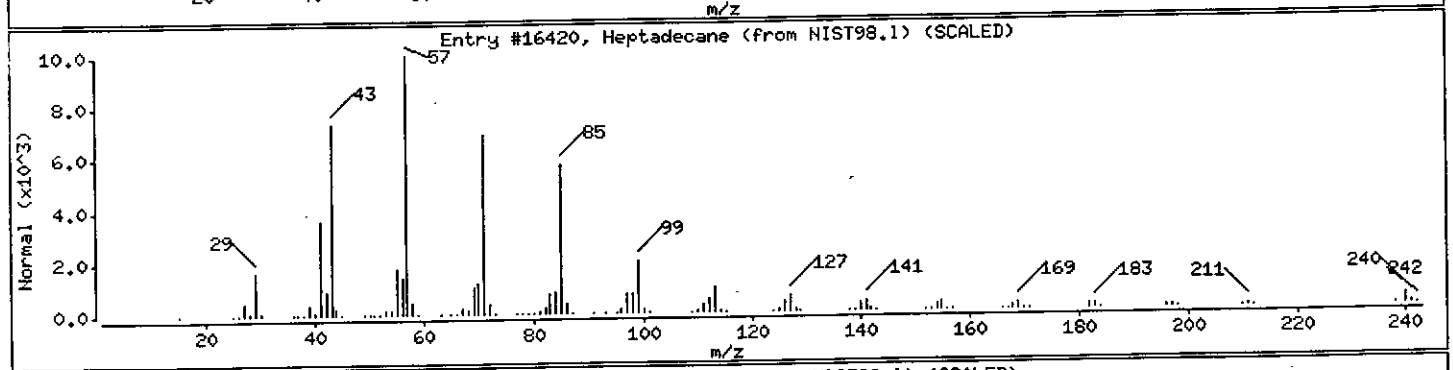
Operator: lmh00956

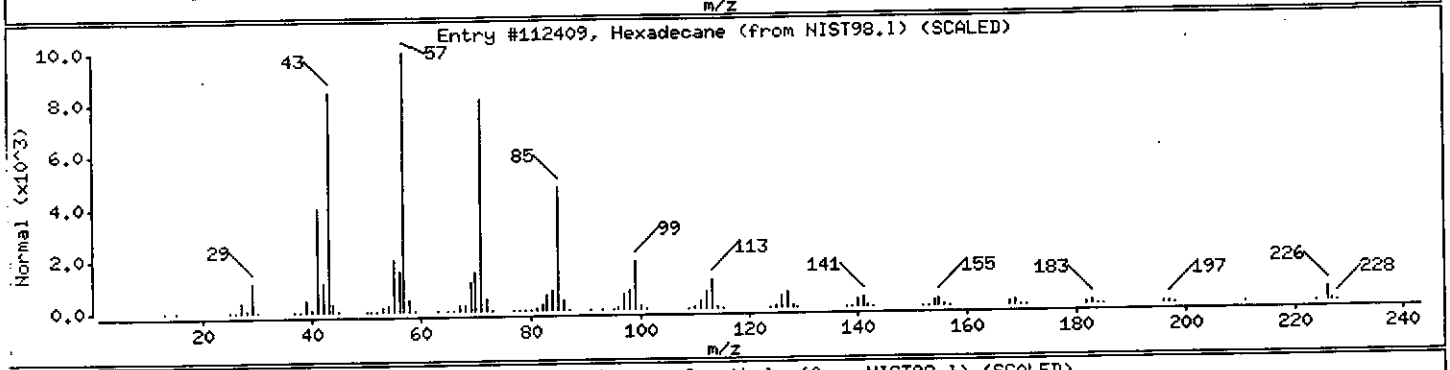
Column phase: J&W DB-5.625

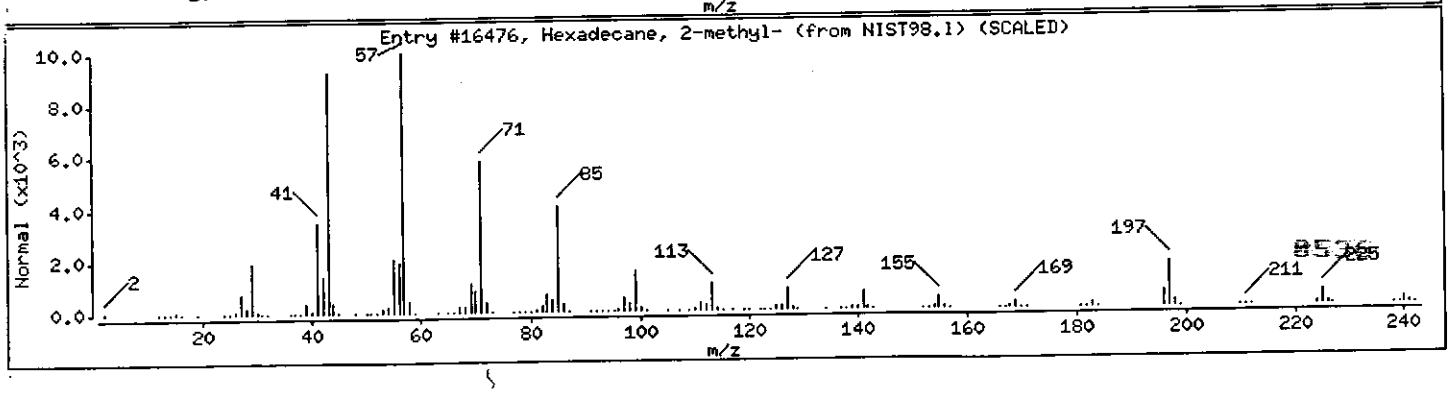
Column diameter: 0.25

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









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

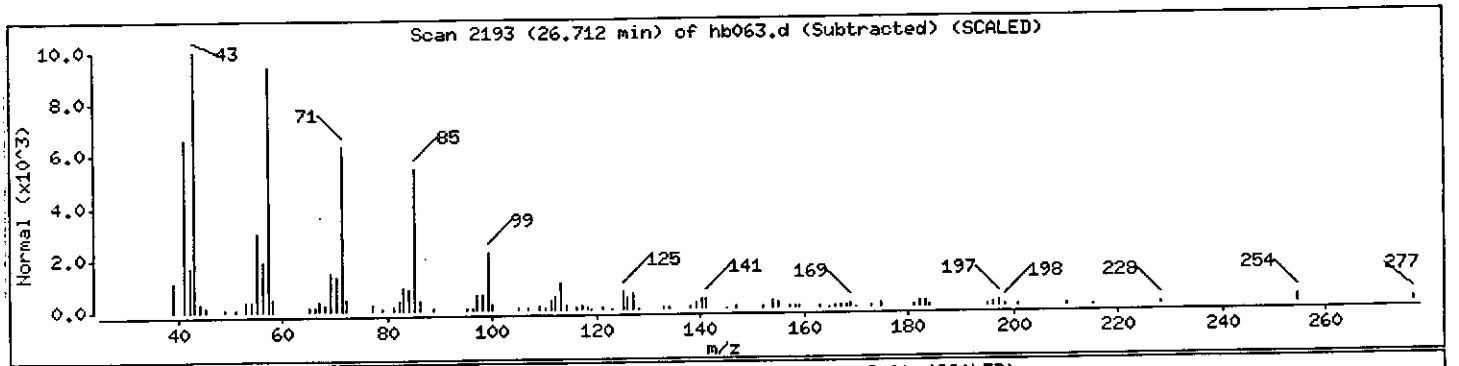
Volume Injected (uL): 2.0

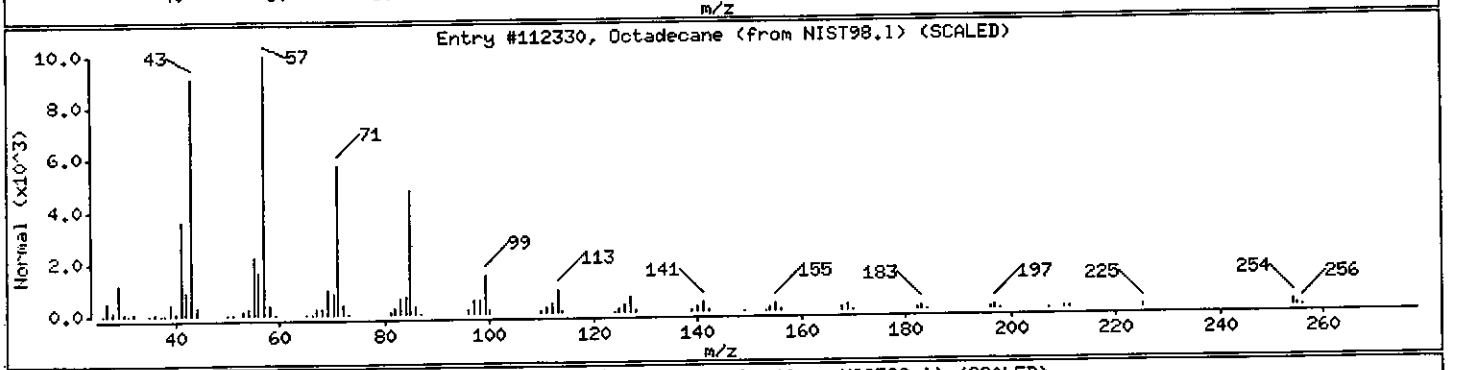
Operator: lmh00956

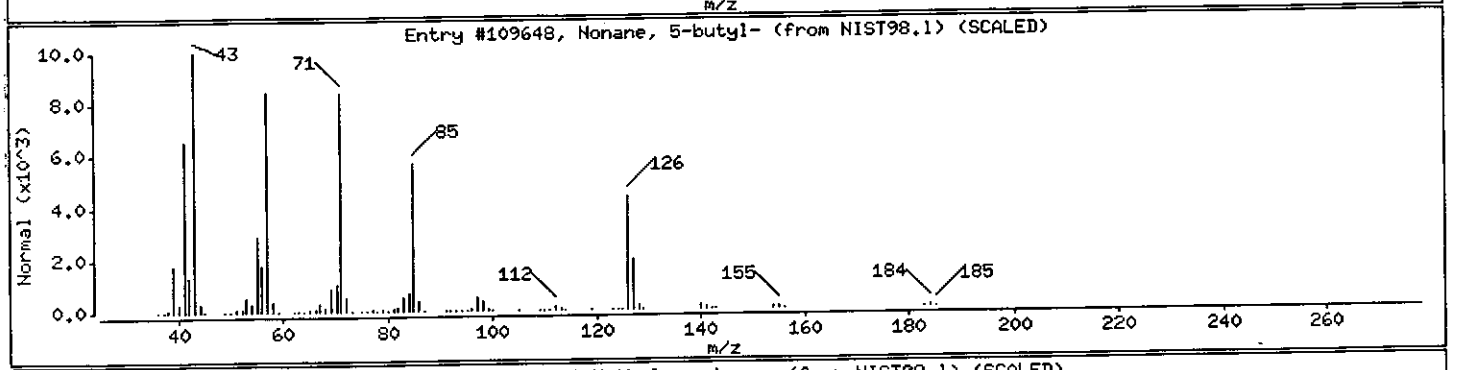
Column phase: J&W DB-5.625

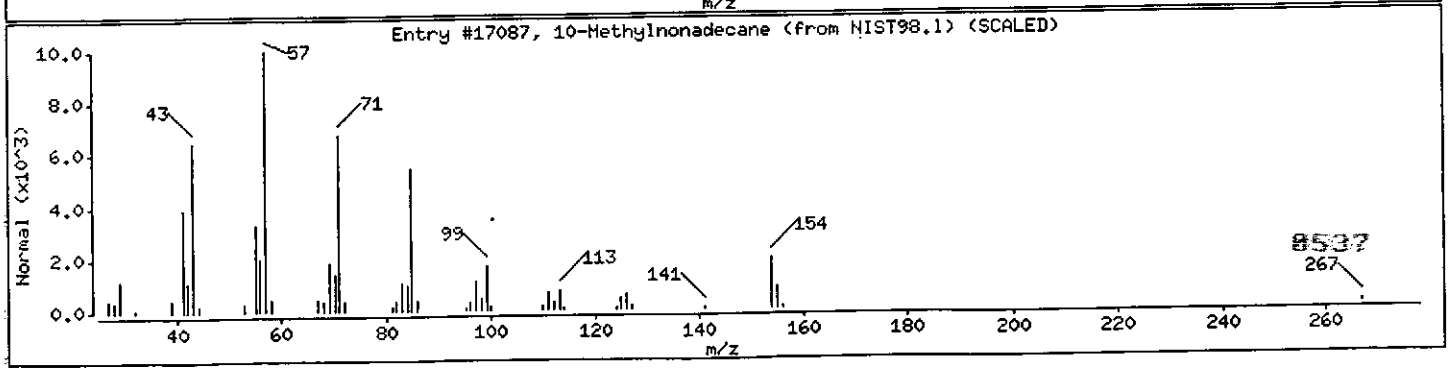
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	NIST98.1	112330	97	C18H38	254
Nonane, 5-butyl-	17312-63-9	NIST98.1	109648	89	C13H28	184
10-Methylnonadecane	56862-62-5	NIST98.1	17087	83	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

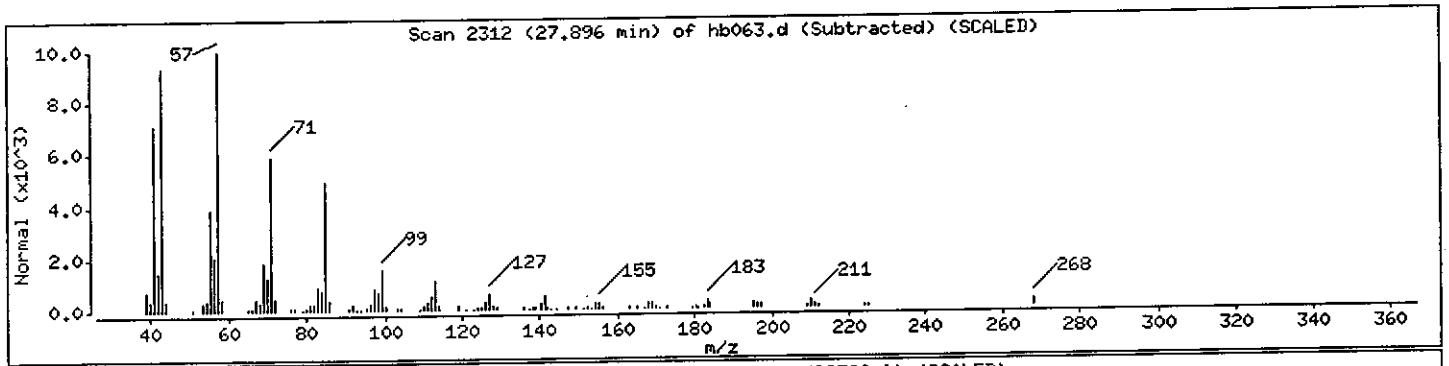
Volume Injected (uL): 2.0

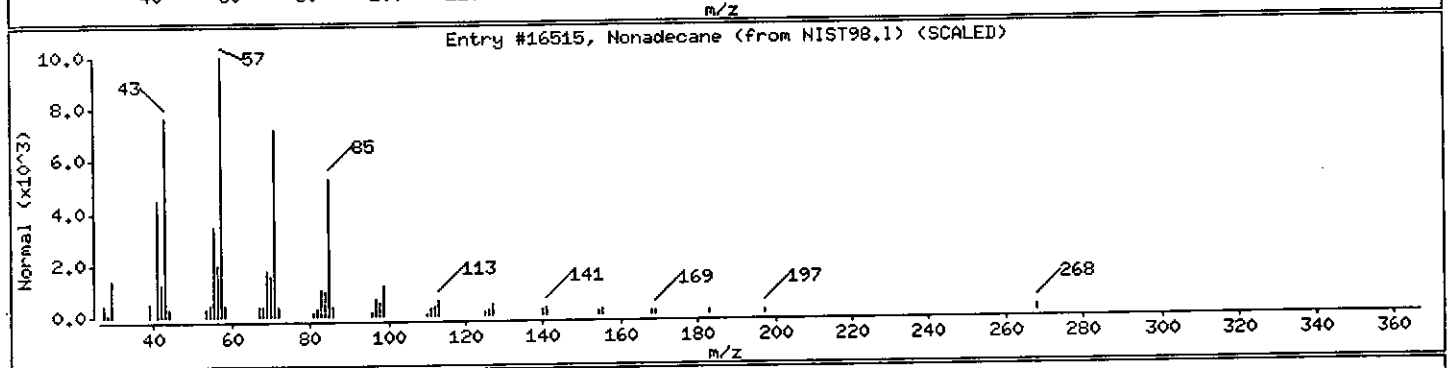
Operator: lmh00956

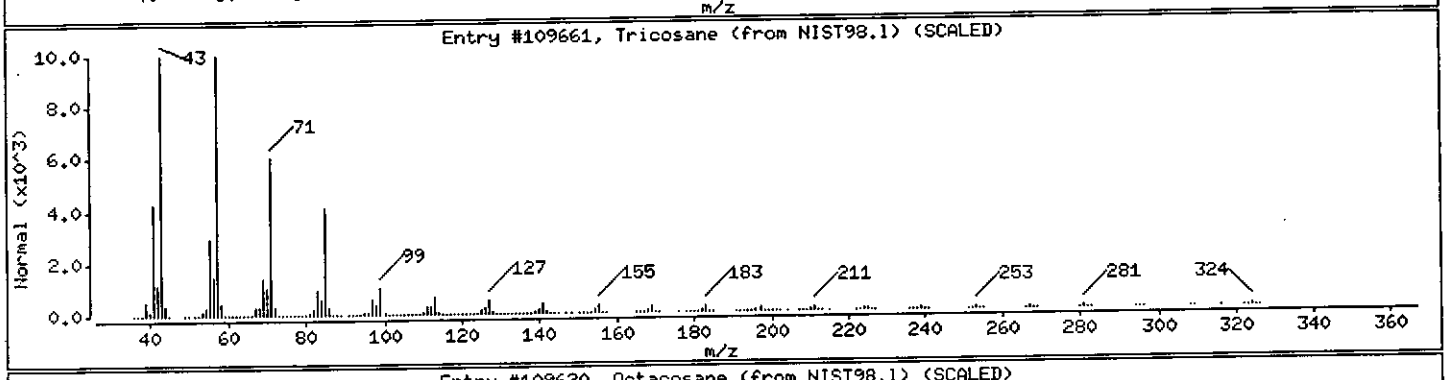
Column phase: J&W DB-5.625

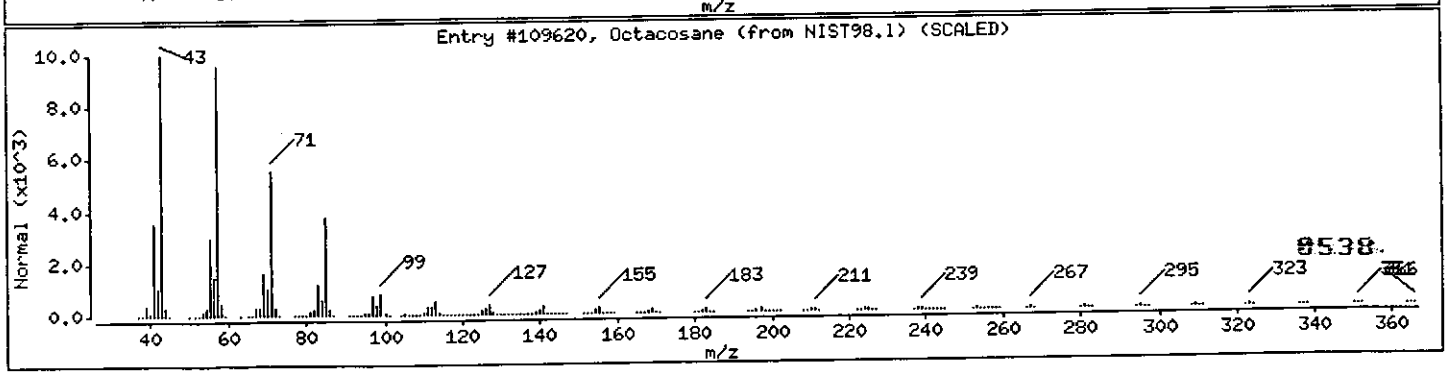
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	NIST98.1	16515	98	C19H40	268
Tricosane	638-67-5	NIST98.1	109661	90	C23H48	324
Octacosane	630-02-4	NIST98.1	109620	90	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

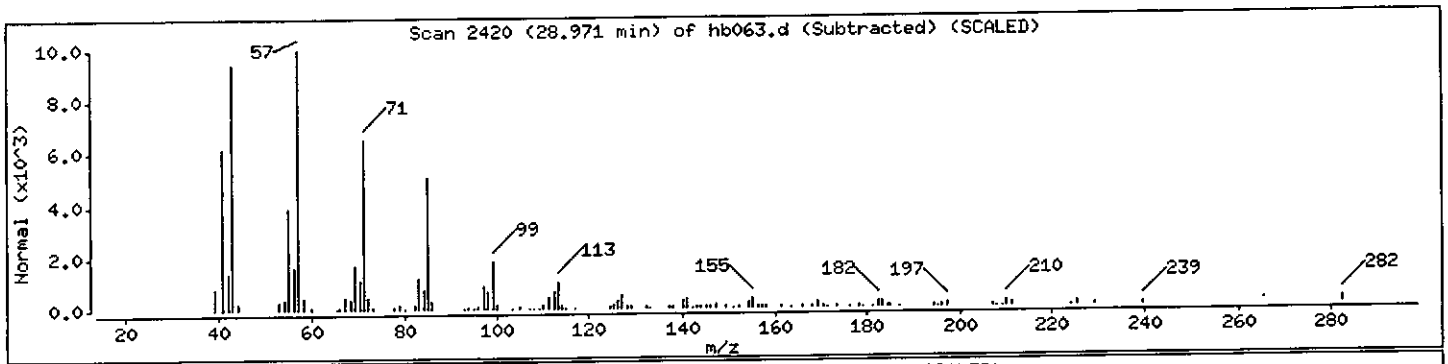
Volume Injected (uL): 2.0

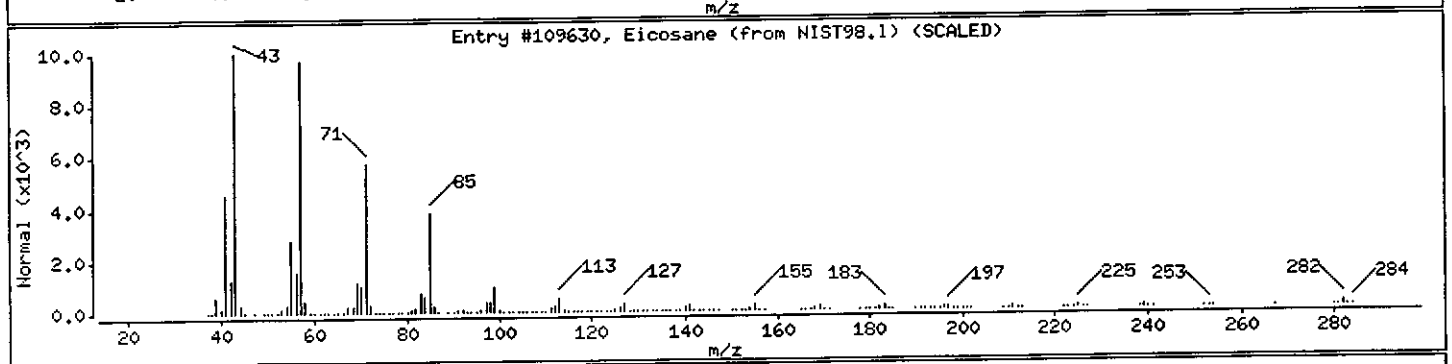
Operator: lmh00956

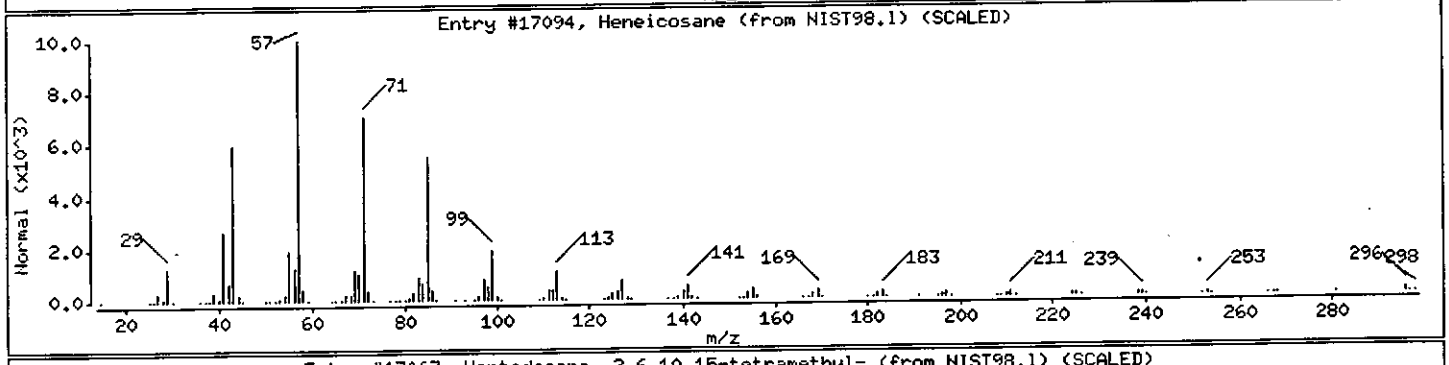
Column phase: J&W DB-5.625

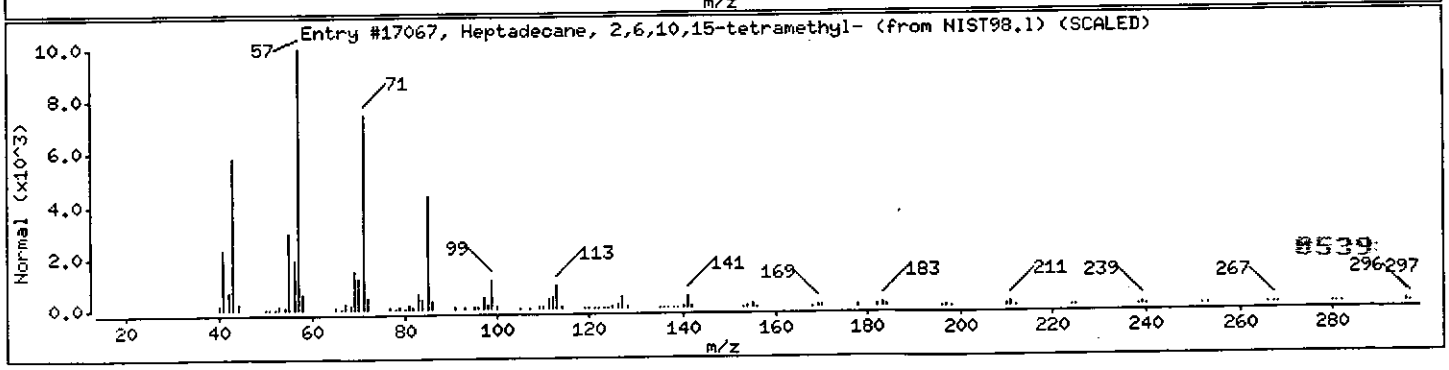
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	NIST98.1	109630	97	C20H42	282
Heneicosane	629-94-7	NIST98.1	17094	90	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	87	C21H44	296









8539

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

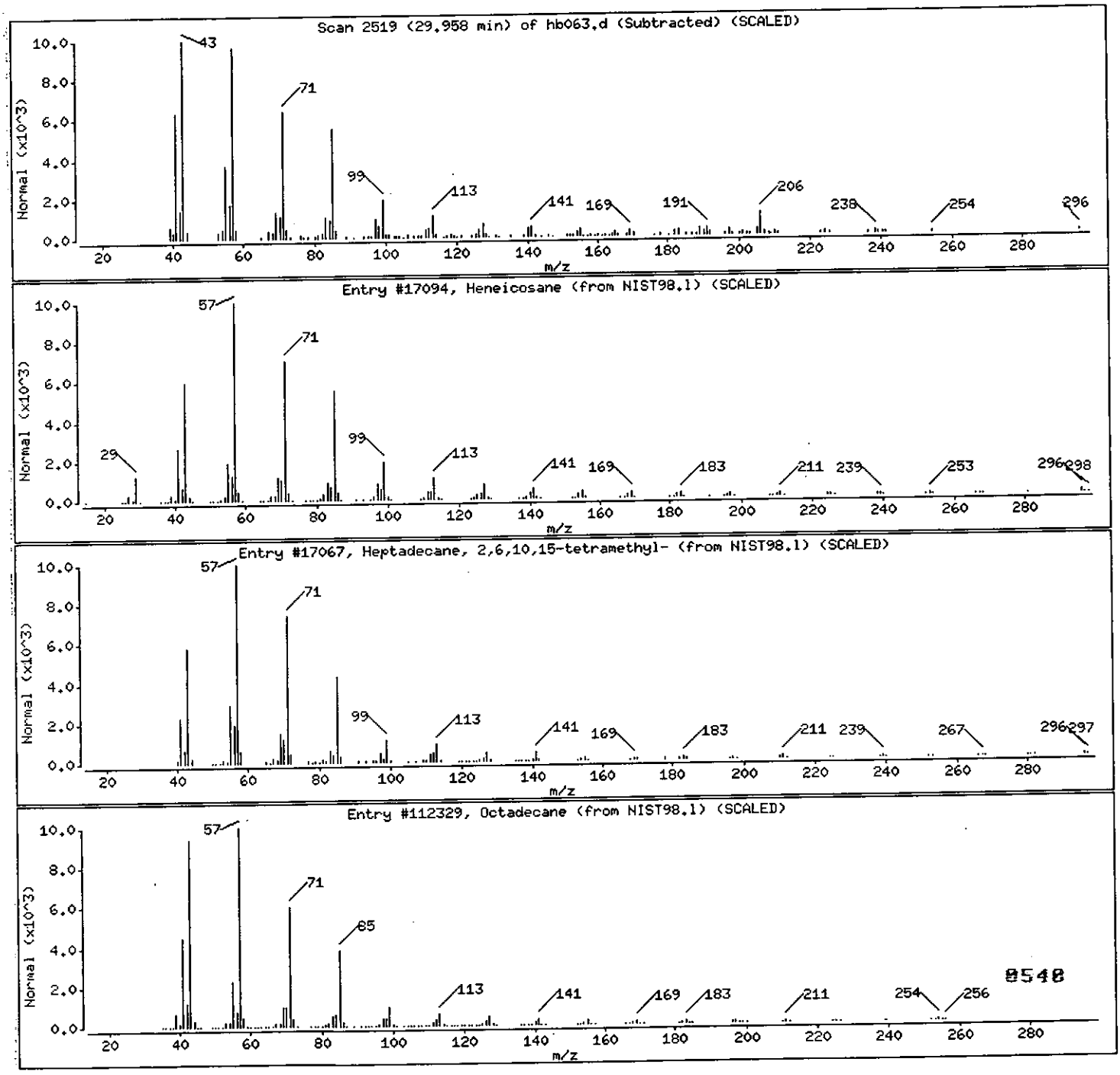
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heneicosane	629-94-7	NIST98.1	17094	96	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.1	17067	93	C21H44	296
Octadecane	593-45-3	NIST98.1	112329	92	C18H38	254



Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

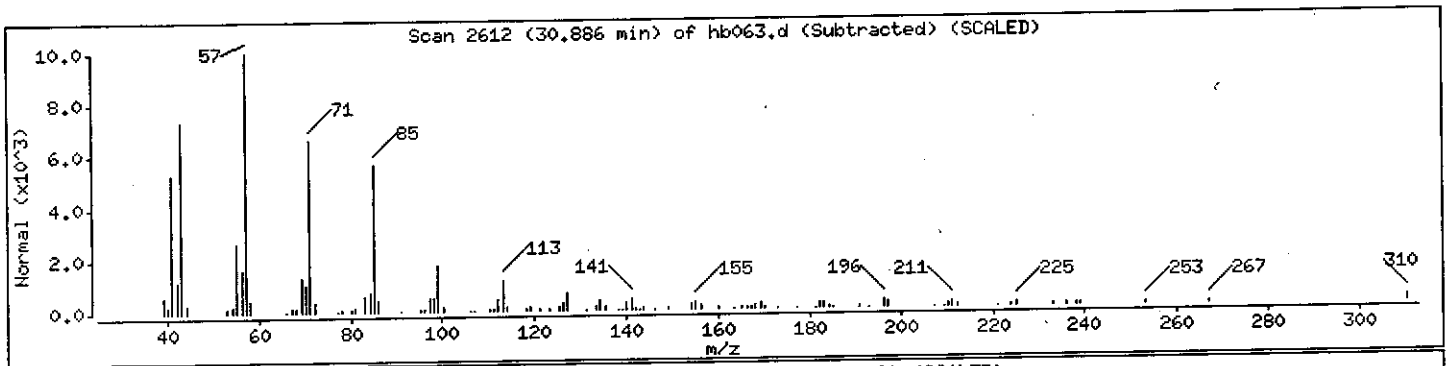
Volume Injected (uL): 2.0

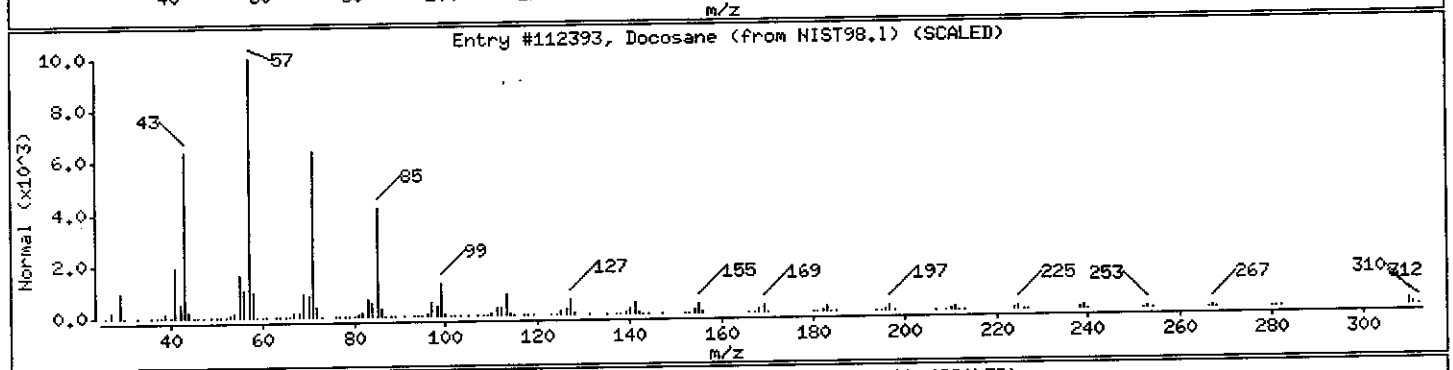
Operator: lmh00956

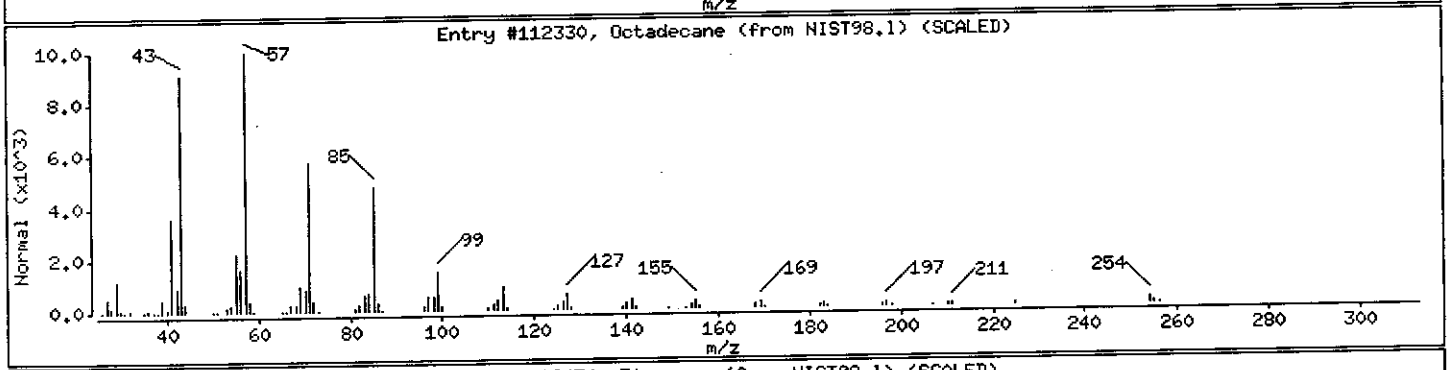
Column phase: J&W DB-5.625

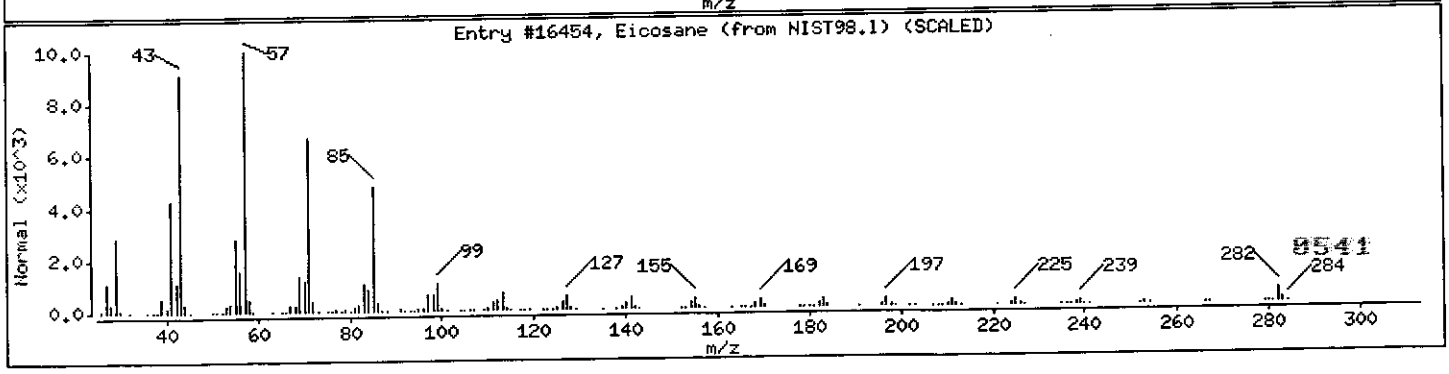
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Docosane	629-97-0	NIST98.1	112393	93	C22H46	310
Octadecane	593-45-3	NIST98.1	112330	90	C18H38	254
Eicosane	112-95-8	NIST98.1	16454	87	C20H42	282









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

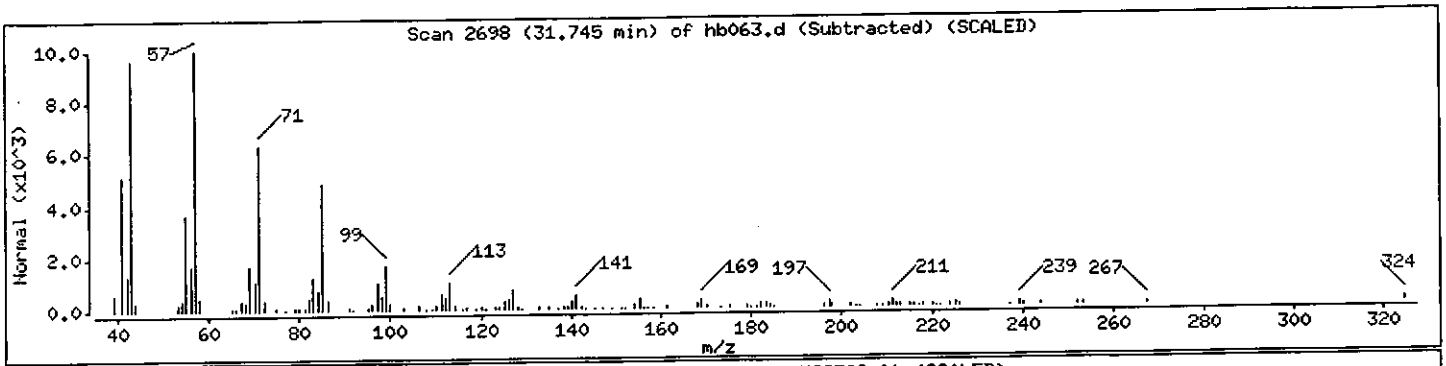
Volume Injected (uL): 2.0

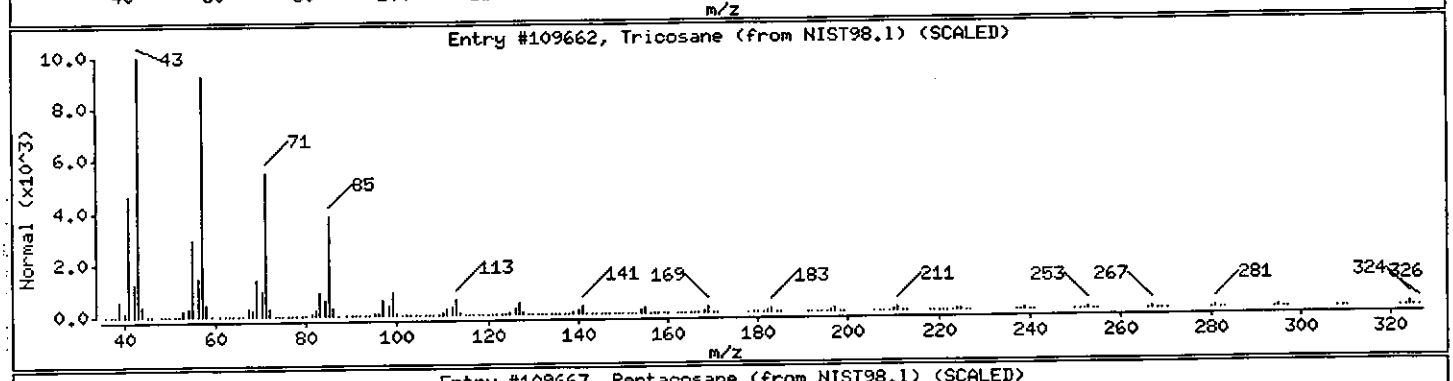
Operator: lmh00956

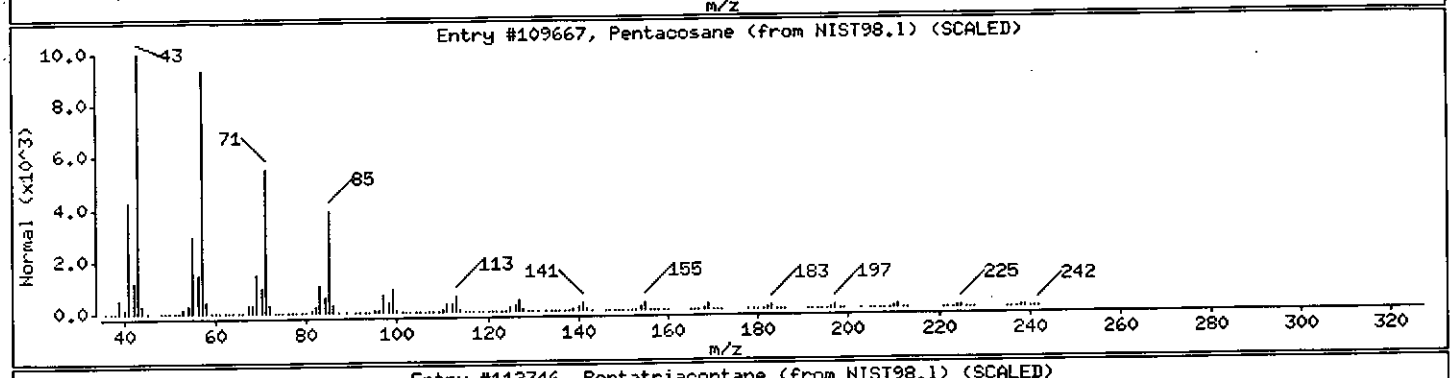
Column phase: J&W DB-5.625

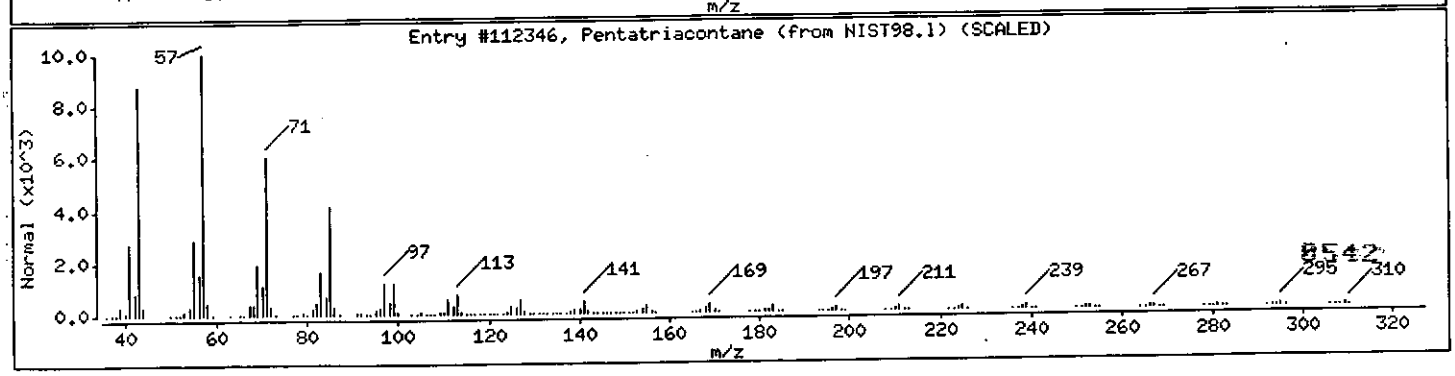
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	NIST98.1	109662	99	C23H48	324
Pentacosane	629-99-2	NIST98.1	109667	95	C25H52	352
Pentatriacontane	630-07-9	NIST98.1	112346	93	C35H72	493









8542

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Sample Info: 6020-;4692566;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

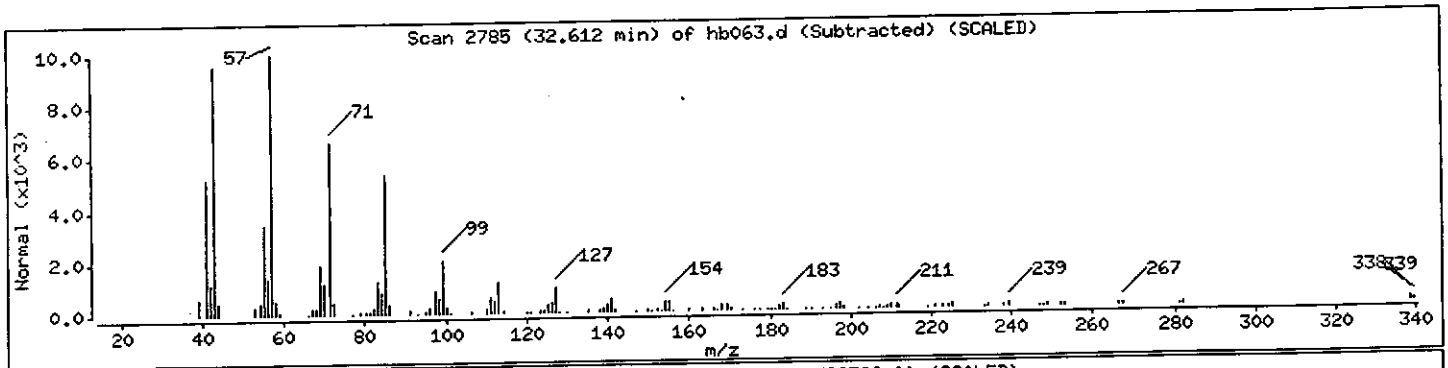
Instrument: HP04629.i

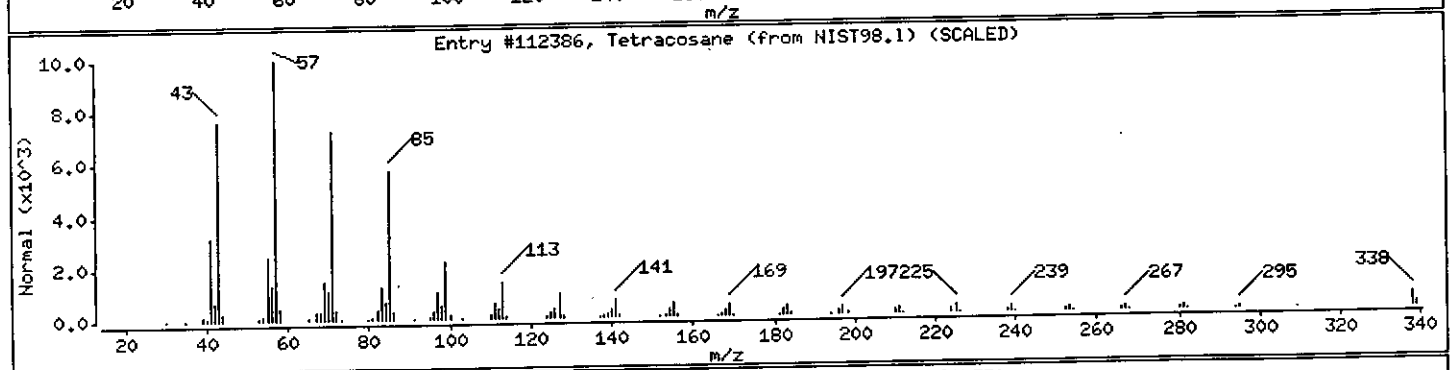
Operator: lmh00956

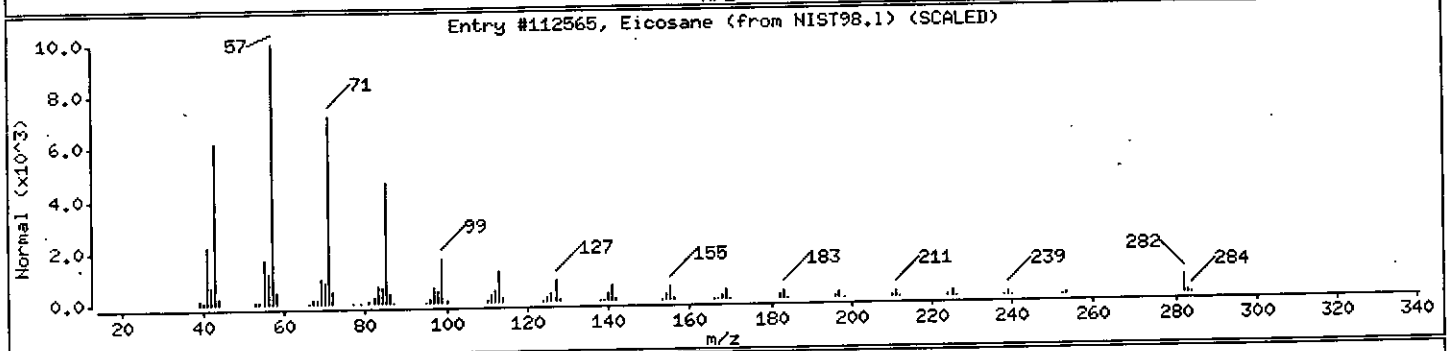
Column diameter: 0.25

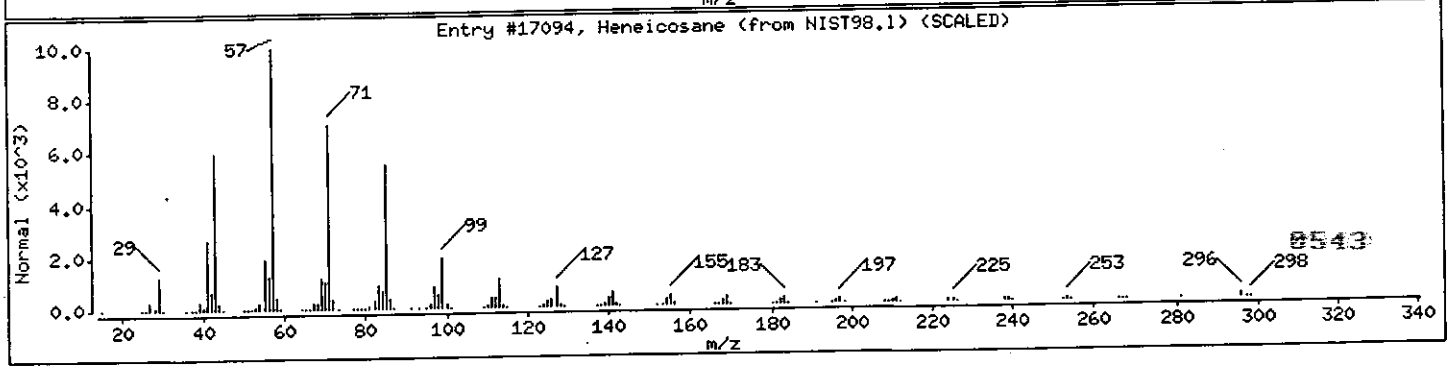
(B) MM198 02/07/06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tetracosane	646-31-1	NIST98.1	112386	98	C24H50	338
Eicosane	112-95-8	NIST98.1	112565	94	C20H42	282
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296









0543

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

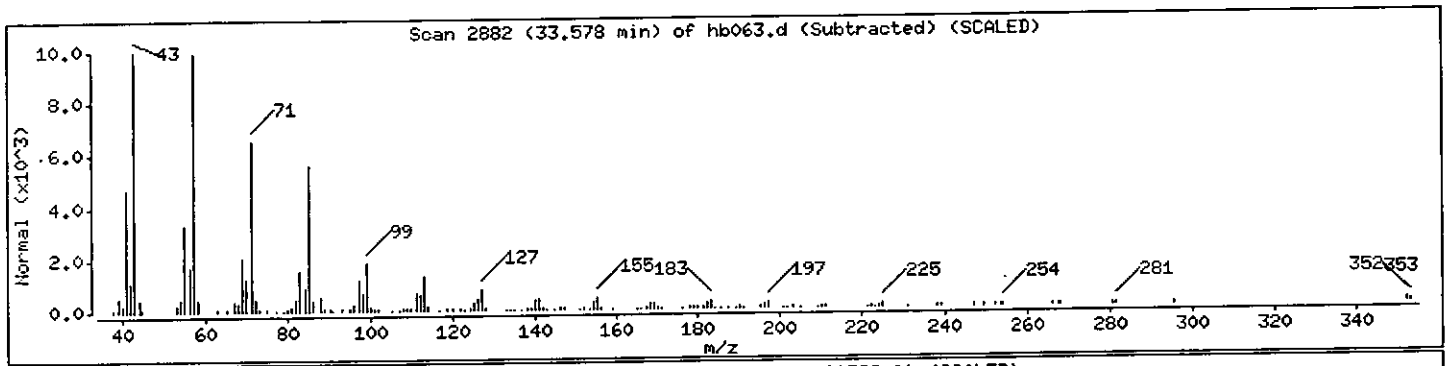
Volume Injected (uL): 2.0

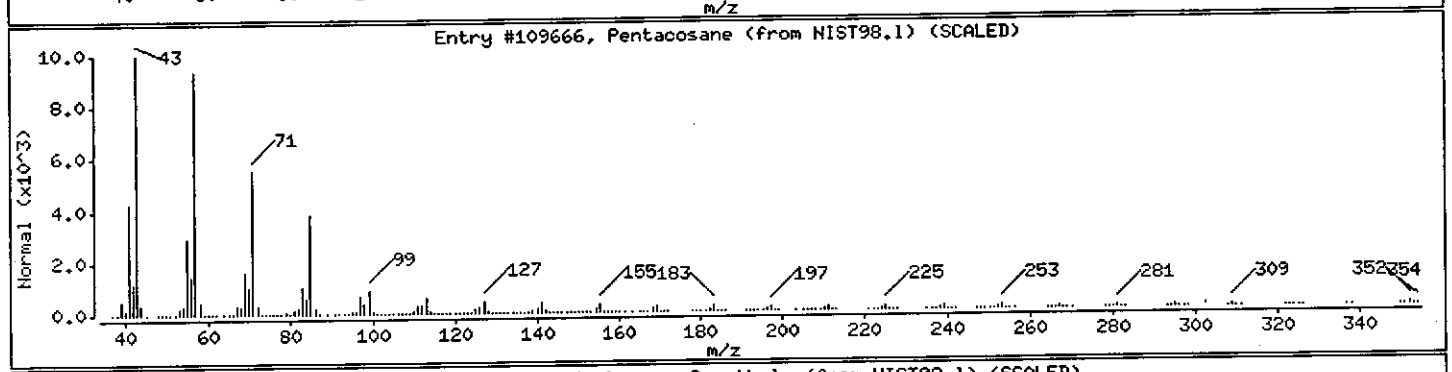
Operator: lmh00956

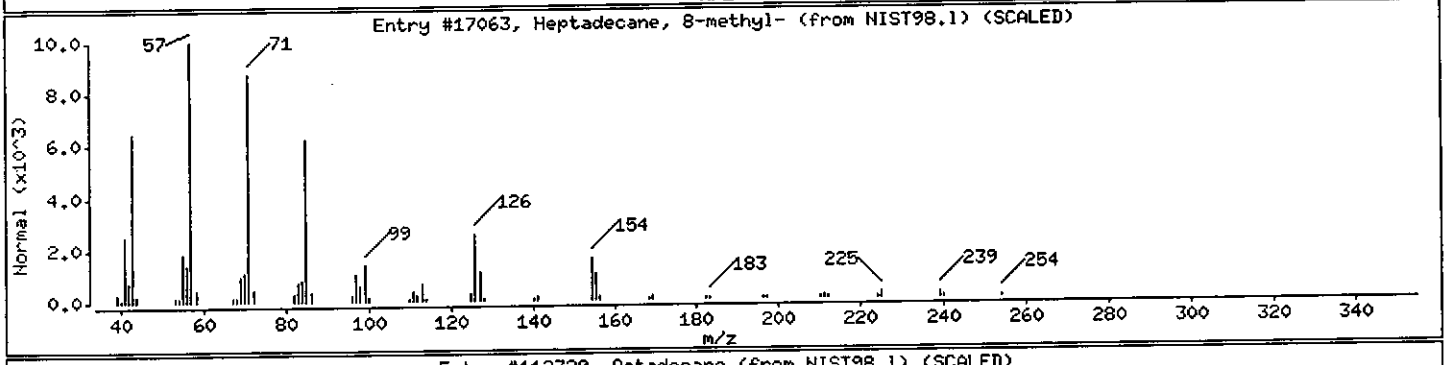
Column phase: J&W DB-5.625

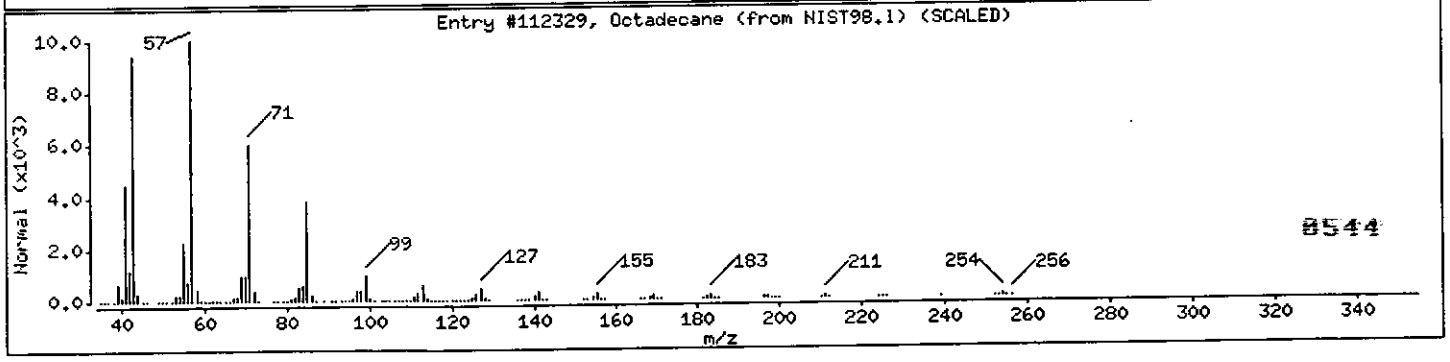
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentacosane	629-99-2	NIST98.1	109666	93	C25H52	352
Heptadecane, 8-methyl-	13287-23-5	NIST98.1	17063	93	C18H38	254
Octadecane	593-45-3	NIST98.1	112329	92	C18H38	254









8544

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

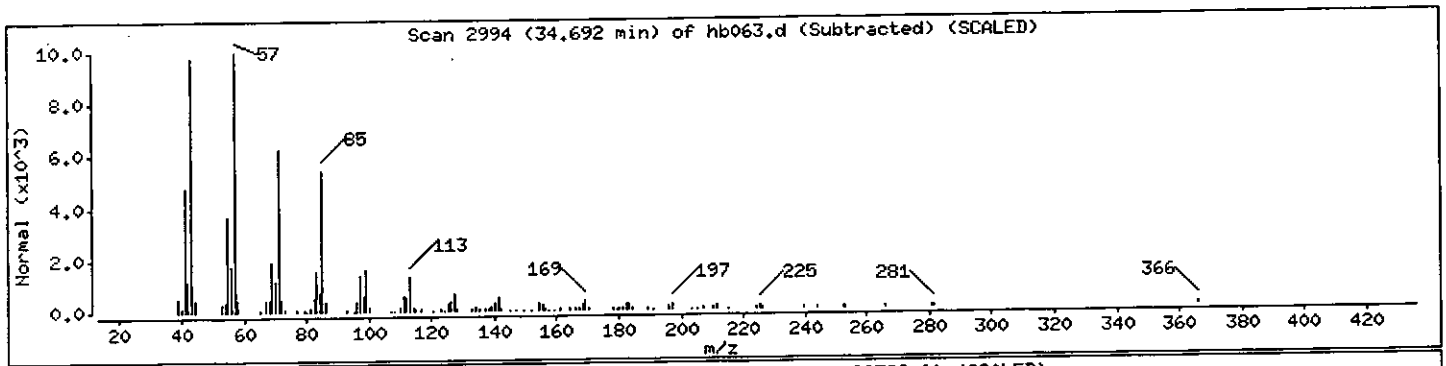
Volume Injected (uL): 2.0

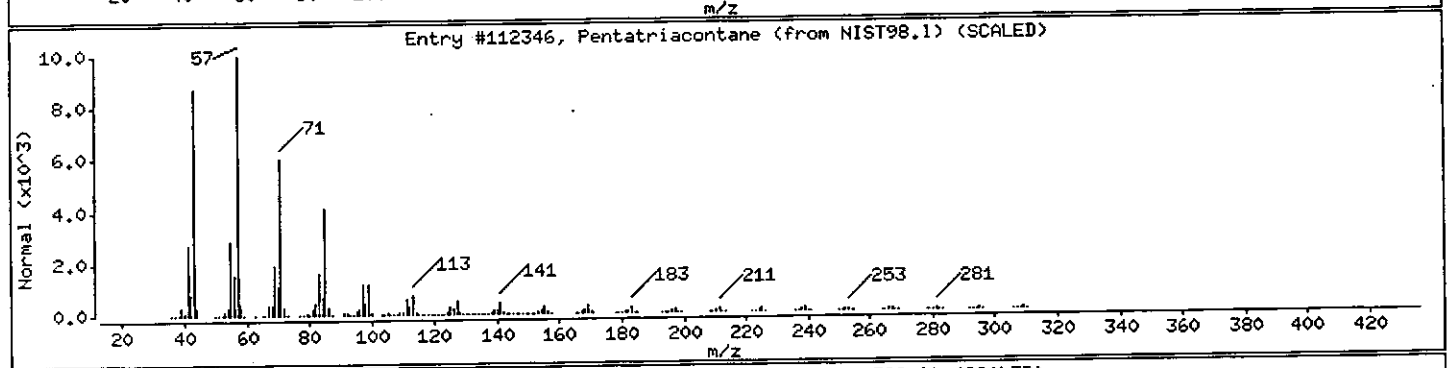
Operator: lmh00956

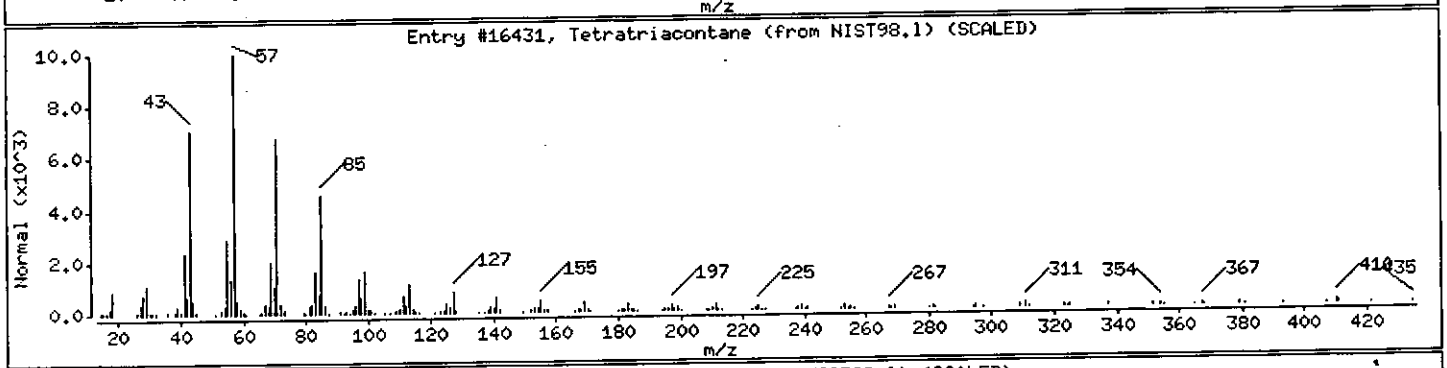
Column phase: J&W DB-5.625

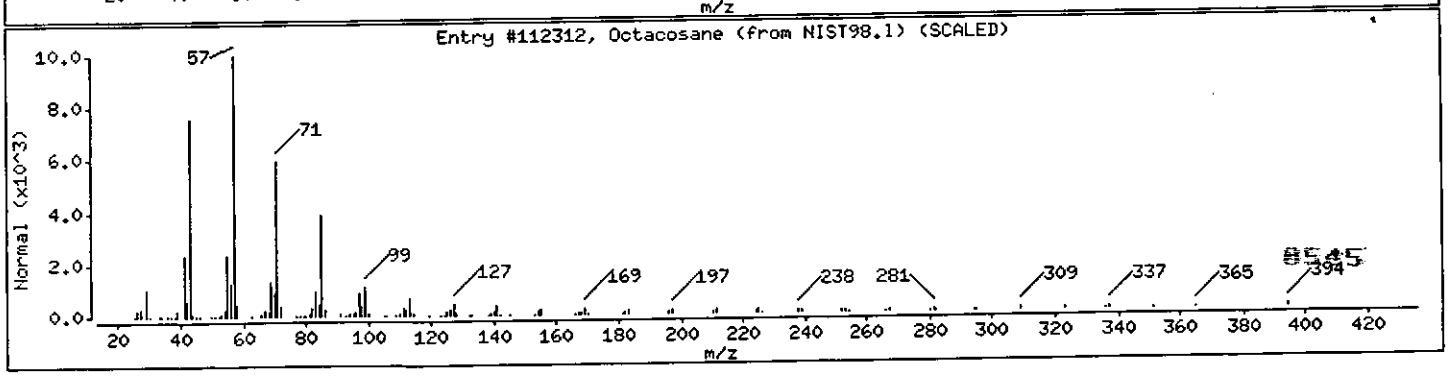
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	91	C35H72	493
Tetratriacontane	14167-59-0	NIST98.1	16431	91	C34H70	479
Octacosane	630-02-4	NIST98.1	112312	91	C28H58	394









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

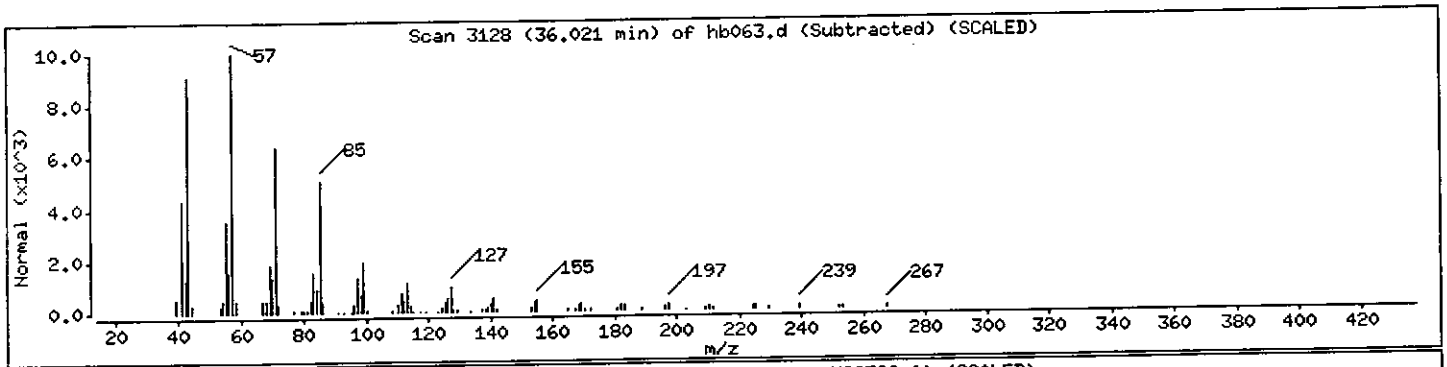
Volume Injected (uL): 2.0

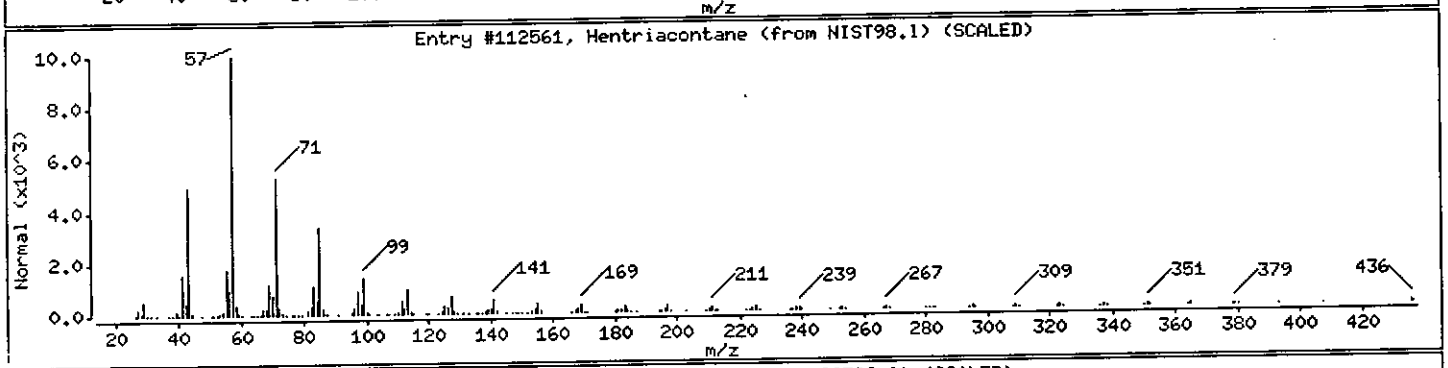
Operator: lmh00956

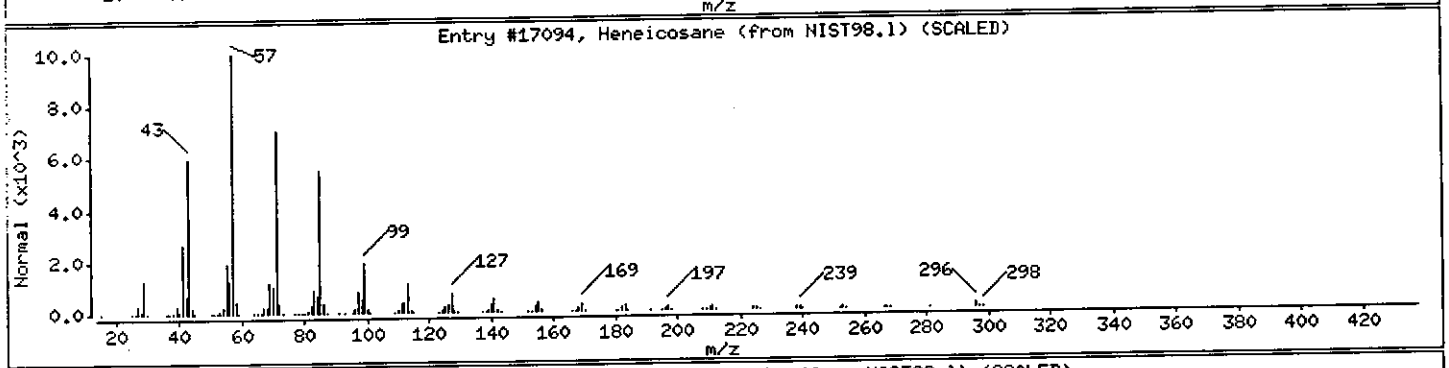
Column phase: J&W DB-5.625

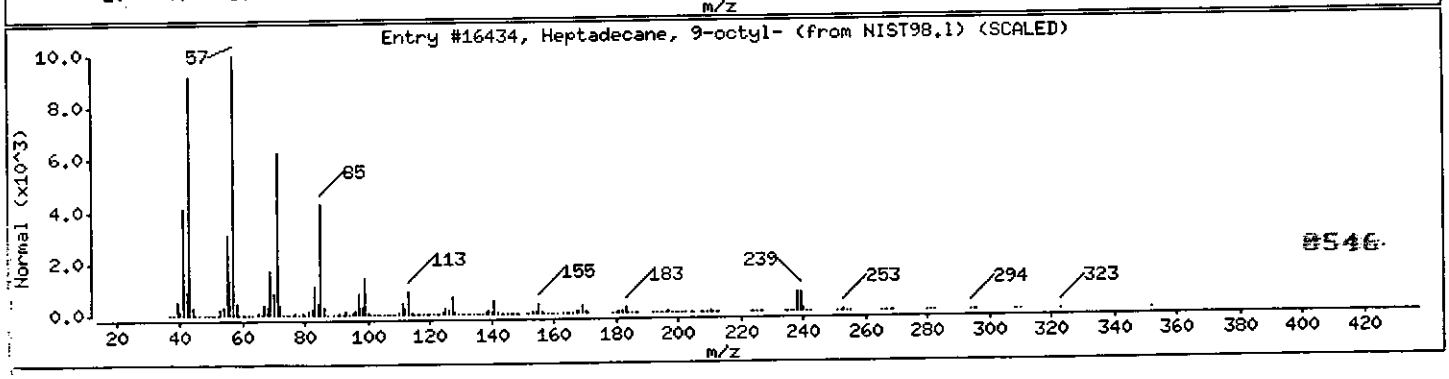
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hentriacontane	630-04-6	NIST98.1	112561	91	C31H64	437
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296
Heptadecane, 9-octyl-	7225-64-1	NIST98.1	16434	91	C25H52	352









0546

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

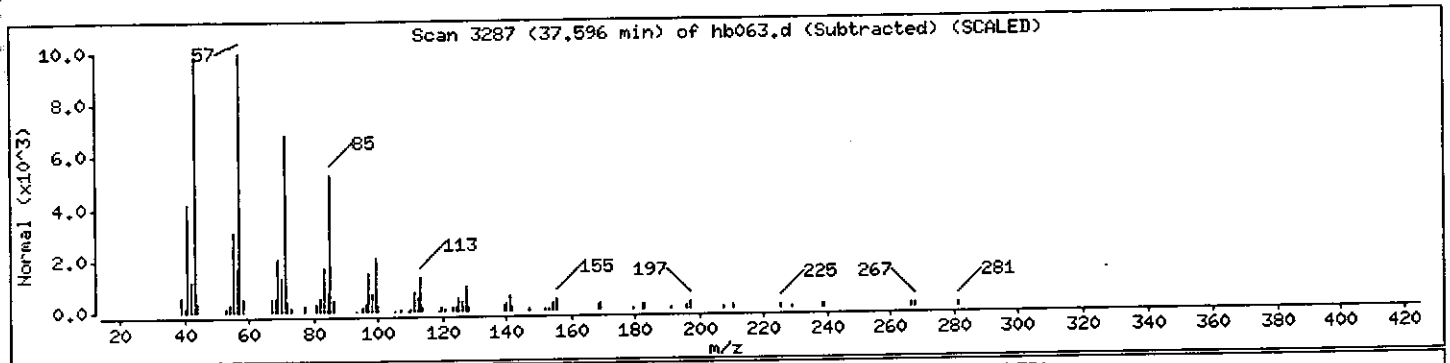
Volume Injected (uL): 2.0

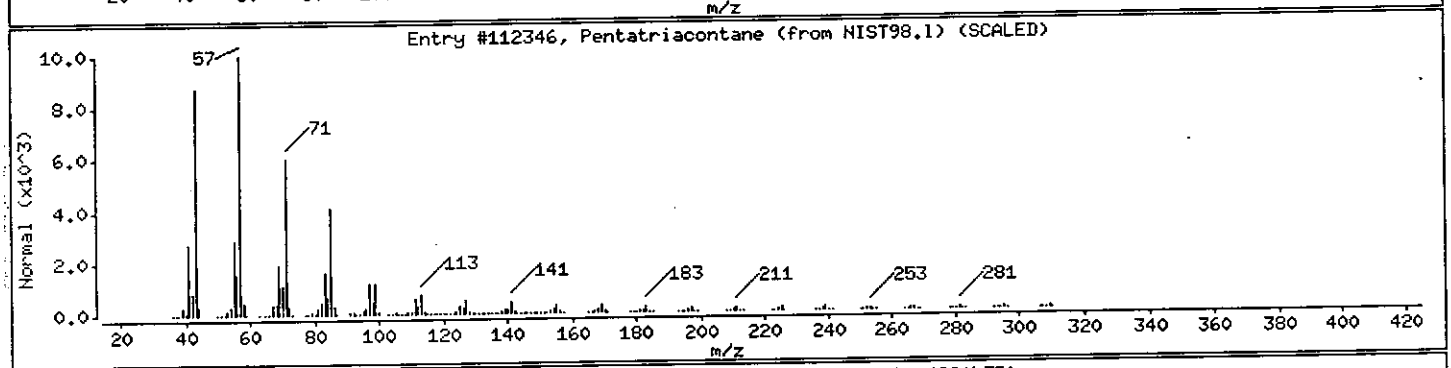
Operator: lmh00956

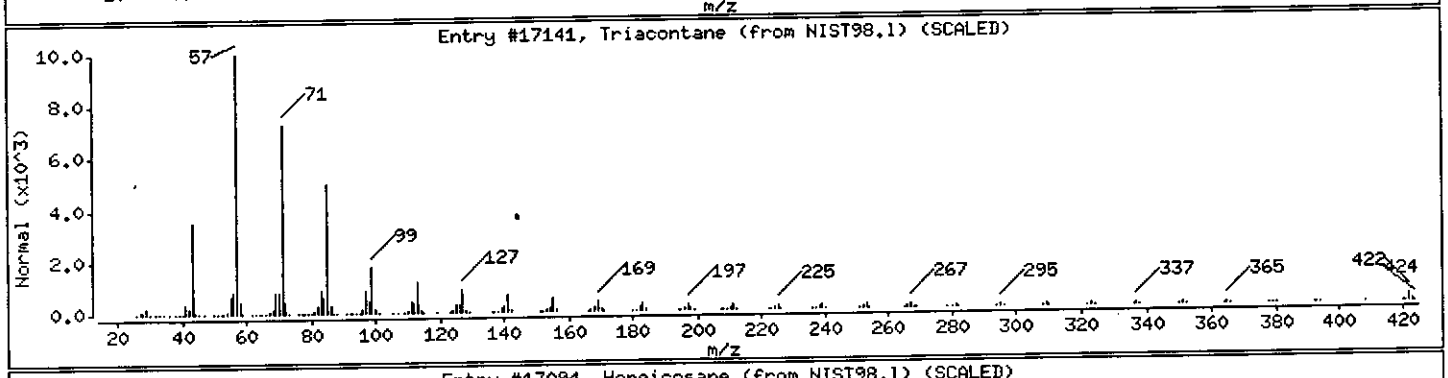
Column phase: J&W DB-5.625

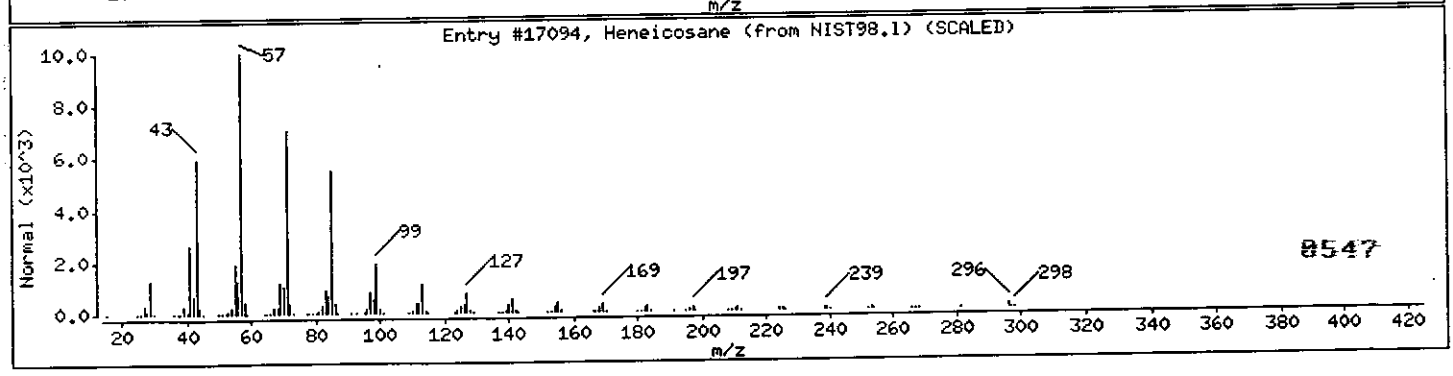
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	93	C35H72	493
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422
Heneicosane	629-94-7	NIST98.1	17094	91	C21H44	296









8547

Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

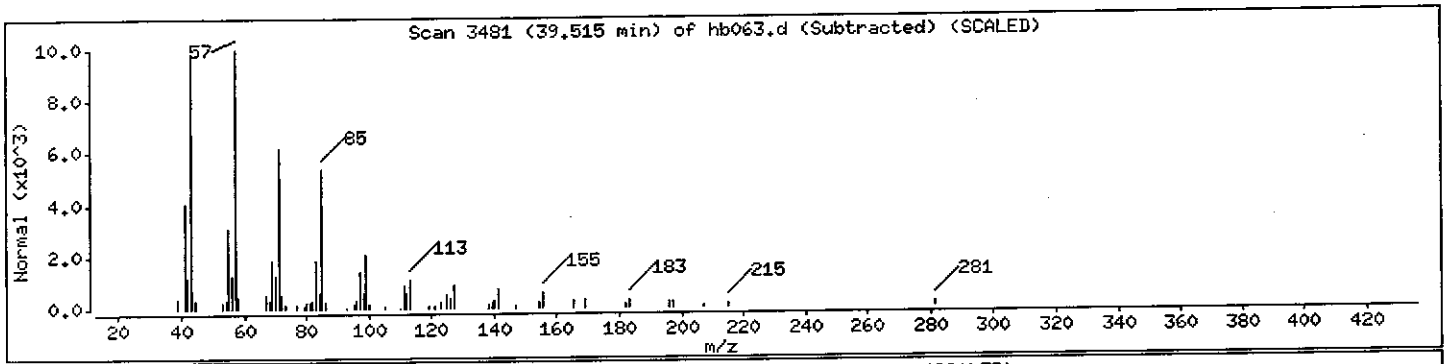
Volume Injected (uL): 2.0

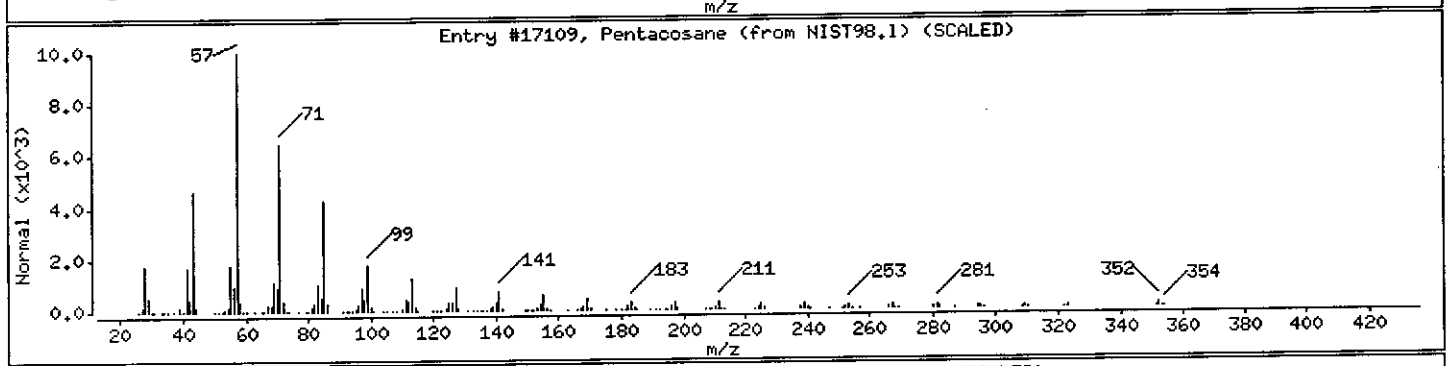
Operator: lmh00956

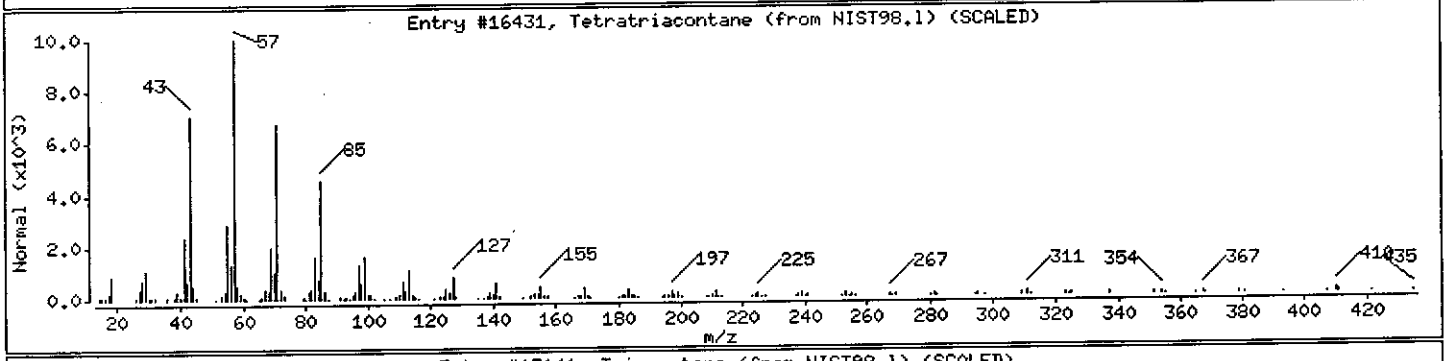
Column phase: J&W DB-5.625

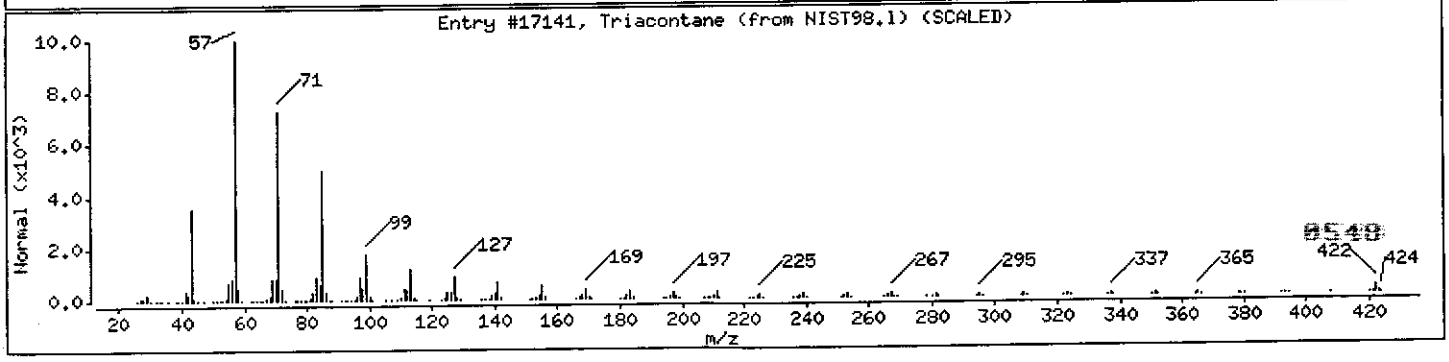
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentacosane	629-99-2	NIST98.1	17109	91	C25H52	352
Tetratriacontane	14167-59-0	NIST98.1	16431	91	C34H70	479
Triacontane	638-68-6	NIST98.1	17141	91	C30H62	422









Data File: /chem/HP04629.i/06feb06a.b/hb063.d

Date : 07-FEB-2006 00:03

Client ID: 6020-

Instrument: HP04629.i

Sample Info: 6020-;4692566;

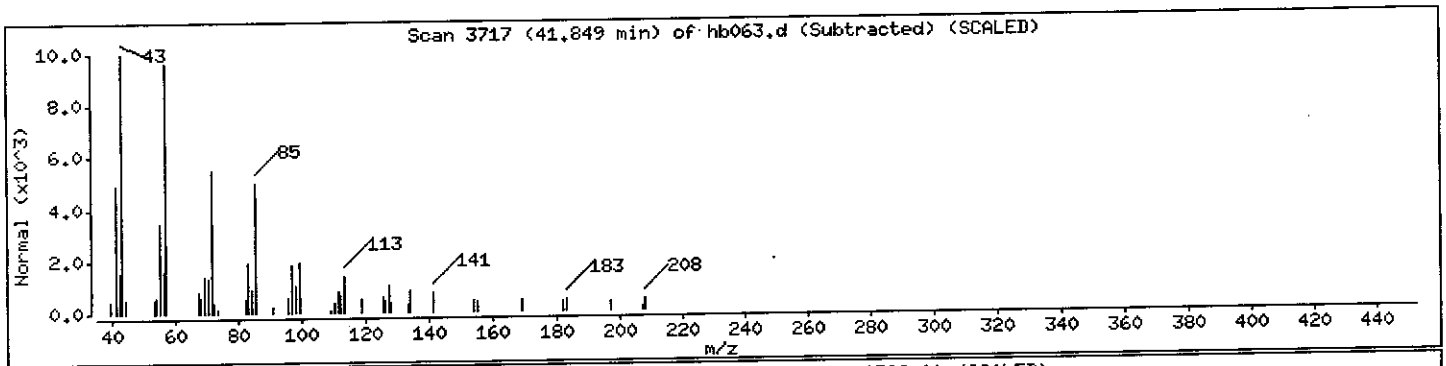
Volume Injected (uL): 2.0

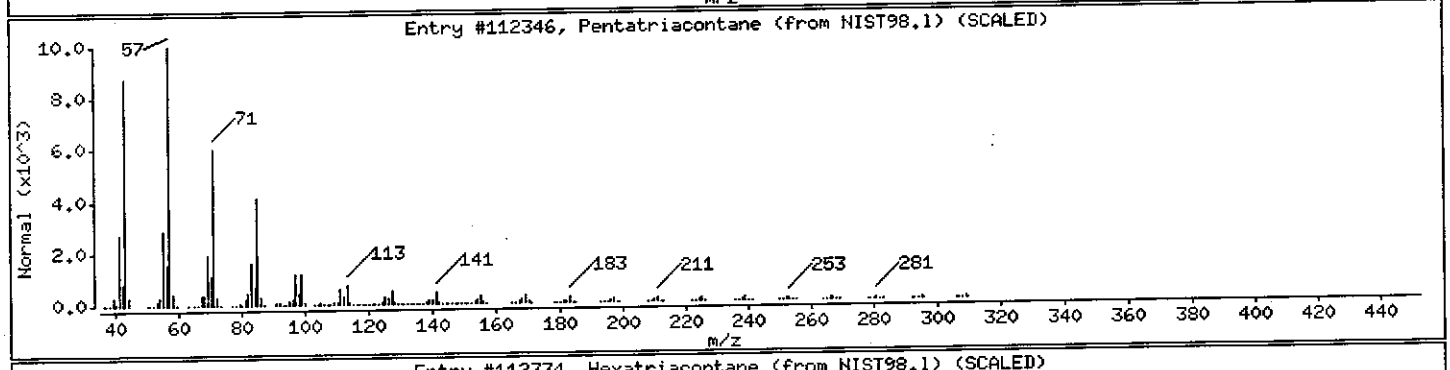
Operator: lmh00956

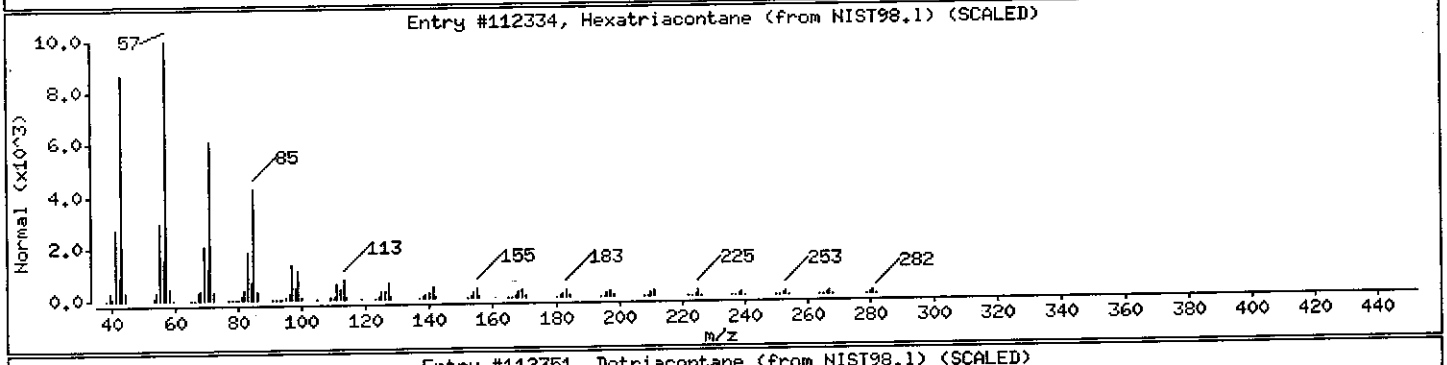
Column phase: J&W DB-5.625

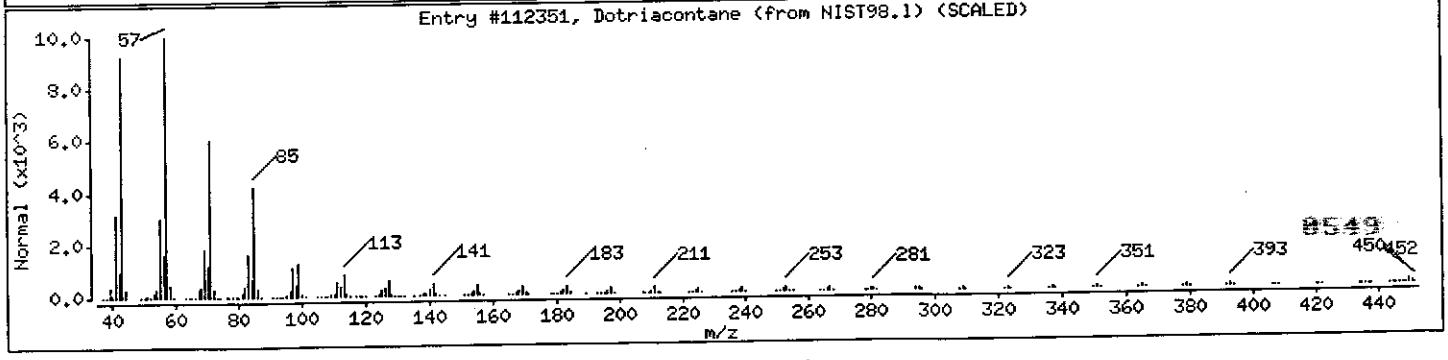
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pentatriacontane	630-07-9	NIST98.1	112346	83	C35H72	493
Hexatriacontane	630-06-8	NIST98.1	112334	83	C36H74	507
Dotriacontane	544-85-4	NIST98.1	112351	83	C32H66	451









0549

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6014-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692567

Sample wt/vol: 30 (g/mL) G Lab File ID: hb064.d

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

% Moisture: not dec: 12 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	76	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	76	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

8550

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6014-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692567

Sample wt/vol: 30 (g/mL) G Lab File ID: hb064.d

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

% Moisture: not dec: 12 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	76	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	76	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	38	U
120-12-7	Anthracene	38	U
86-74-8	Carbazole	38	U
84-74-2	Di-n-butylphthalate	76	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	76	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

8551

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6014-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692567

Sample wt/vol: 30 (g/mL) G Lab File ID: hb064.d

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

% Moisture: not dec: 12 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

0552

6014-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692567

Data file: /chem/HP04629.i/06feb06a.b/hb064.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 01:05 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:04 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	92642(8)	40.00	
41) Naphthalene-d8	17.180(0.005)	1232	136.0	327247(6)	40.00	
64) Acenaphthene-d10	22.630(-0.003)	1782	164.0	169186(0)	40.00	
87) Phenanthrene-d10	27.170(0.011)	2239	188.0	265195(1)	40.00	
99) Chrysene-d12	34.316(-0.001)	2956	240.0	185424(-4)	40.00	
105) Perylene-d12	41.295(-0.004)	3661	264.0	133548(-8)	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	397355	112.151	75%		25 - 121
10) Phenol-d5	(1)	12.180(0.000)	99	510410	131.938	88%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.723(0.000)	132	433264	119.090	79%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.839(0.000)	152	152966	66.653	67%		20 - 130
32) Nitrobenzene-d5	(2)	14.985(0.000)	82	274584	80.848	81%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.467(0.000)	172	494042	82.791	83%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.082(0.000)	330	120719	108.988	73%		19 - 122
94) Terphenyl-d14	(5)	31.297(0.000)	244	463324	104.420	104%		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

8553

6014-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692567

Data file: /chem/HP04629.i/06feb06a.b/hb064.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 01:05 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:04 msl01251

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

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

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

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)					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)					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)					Below MDL, Do not report				2.00
89) Anthracene	(4)					Below MDL, Do not report				2.00
90) Carbazole	(4)					Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)					Below MDL, Do not report				4.00
92) Fluoranthene	(4)					Below MDL, Do not report				2.00
93) Pyrene	(5)					Below MDL, Do not report				2.00
95) Butylbenzylphthalate	(5)					Below MDL, Do not report				2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			4.00
97) Benzo(a)anthracene	(5)					Below MDL, Do not report				2.00
100) Chrysene	(5)					Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report				2.00
101) Di-n-octylphthalate	(6)					Below MDL, Do not report				2.00
102) Benzo(b)fluoranthene	(6)					Below MDL, Do not report				2.00
103) Benzo(k)fluoranthene	(6)					Below MDL, Do not report				2.00
104) Benzo(a)pyrene	(6)					Below MDL, Do not report				2.00

0554

6014-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692567

Data file: /chem/HP04629.i/06feb06a.b/hb064.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 01:05 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 06:04 msl01251

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

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

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

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

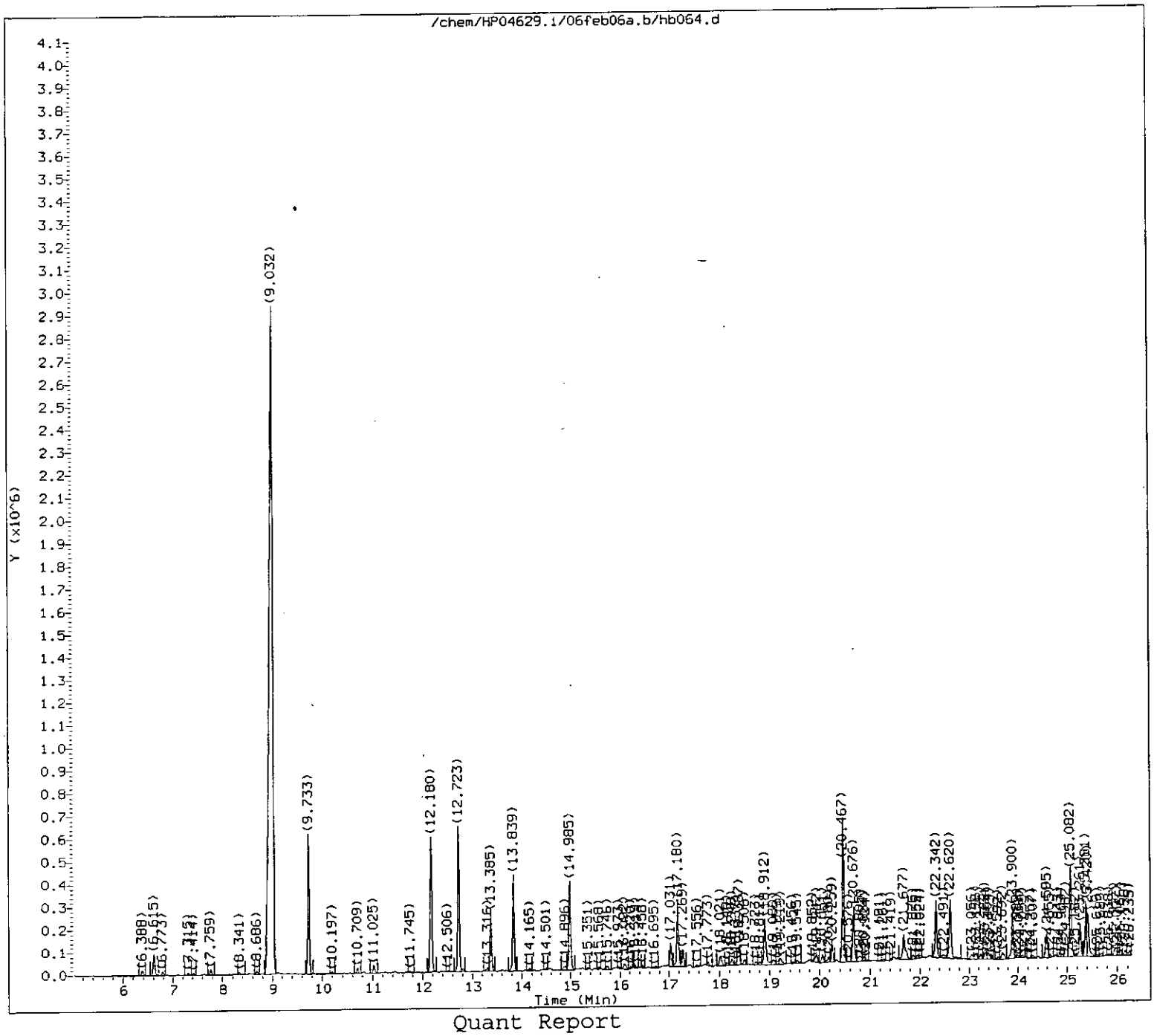
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

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

8555



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Injection date and time: 07-FEB-2006 01:05

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

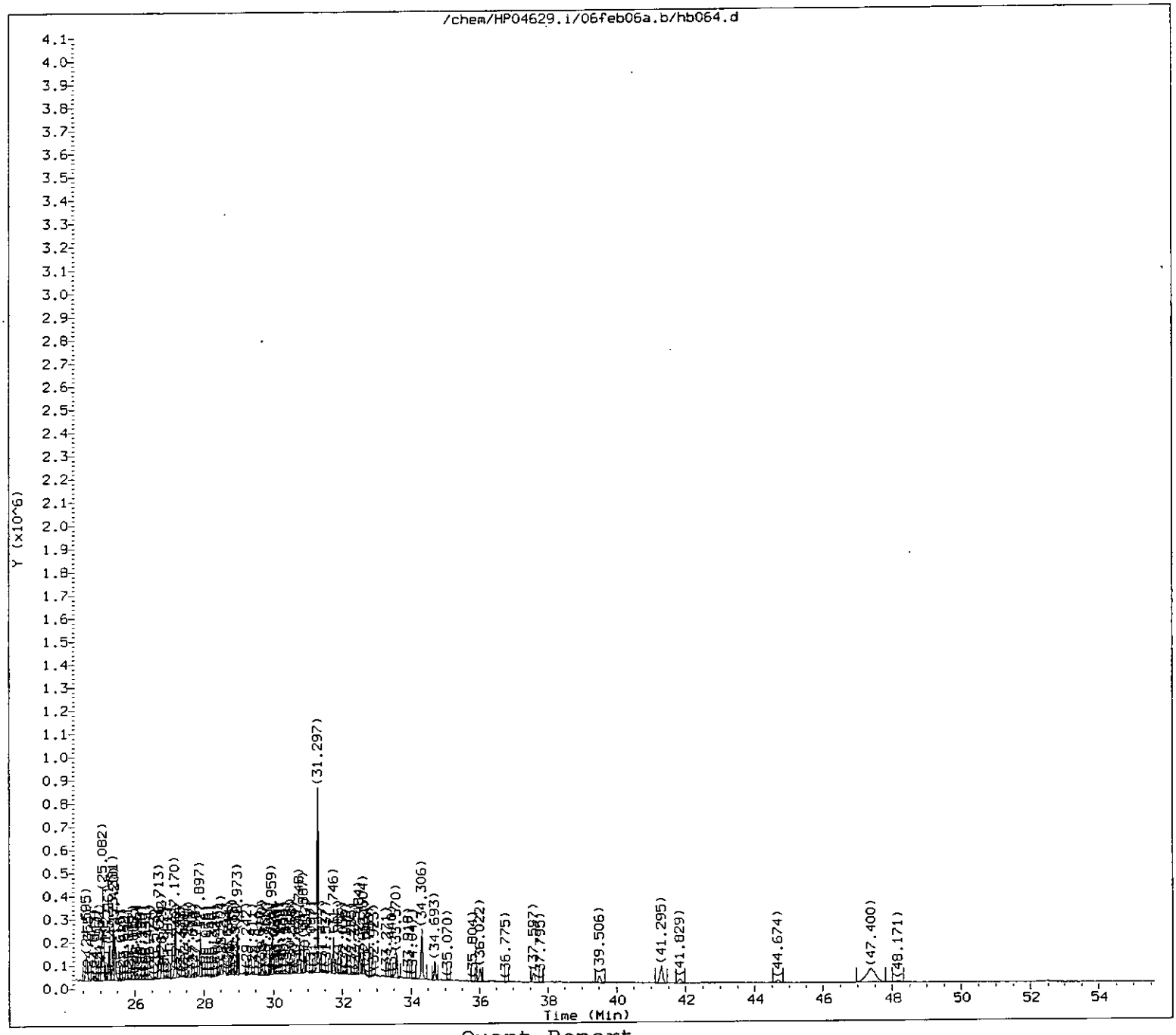
Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 06:04 msl01251

Sample Name: 6014-

Lab Sample ID: 4692567

2/7/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb064.d
Injection date and time: 07-FEB-2006 01:05

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 06:04 msl01251

Sample Name: 6014-

Lab Sample ID: 4692567

LMH25 2/7/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb064.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 01:05 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 06:04 msl01251

Sample Name: 6014- Lab Sample ID: 4692567

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.385	152	92642	40.000
41) Naphthalene-d8	(2)	17.180	136	327247	40.000
64) Acenaphthene-d10	(3)	22.630	164	169186	40.000
87) Phenanthrene-d10	(4)	27.170	188	265195	40.000
99) Chrysene-d12	(5)	34.316	240	185424	40.000
105) Perylene-d12	(6)	41.295	264	133548	40.000
4) 2-Fluorophenol	(1)	9.733	112	397355	112.151
10) Phenol-d5	(1)	12.180	99	510410	131.938
14) 2-Chlorophenol-d4	(1)	12.723	132	433264	119.090
21) 1,2-Dichlorobenzene-d4	(1)	13.839	152	152966	66.653
32) Nitrobenzene-d5	(2)	14.985	82	274584	80.848
54) 2-Fluorobiphenyl	(3)	20.467	172	494042	82.791
82) 2,4,6-Tribromophenol	(4)	25.082	330	120719	108.988
94) Terphenyl-d14	(5)	31.297	244	463324	104.420

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6014-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692567

Sample wt/vol: 30 (g/mL) g Lab File ID: hb064.d

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

% Moisture: 12 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: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.896	96	J
2.	Unknown	16.092	88	J
3.	Unknown	18.021	160	J
4.	Unknown	18.506	76	J
5.	Unknown	19.080	90	J
6.	Unknown	19.942	110	J
7.	Unknown	20.805	100	J
8.	Unknown	22.491	78	J
9.	Unknown	23.404	92	J
10.	Unknown	23.692	110	J
11.	Unknown	24.982	100	J
12.	Unknown	25.261	340	J B
13.	Unknown	26.424	110	J
14.	Unknown	27.579	91	J
15.	Unknown	28.504	100	J
16.	Unknown	30.508	94	J
17.	Unknown	30.748	350	J
18.	Unknown	32.484	200	J B
19.	Unknown	47.400	2000	J
20.				
21.				
22.				
23.				
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25.				
26.				
27.				
28.				
29.				
30.				

8559

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6014-

Lab Name: Lancaster Laboratories Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: 4692567

Sample wt/vol: 30 (g/mL) g Lab File ID: hb064.d

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

% Moisture: 12 Decanted: (Y/N) Date Extracted: 01/23/06

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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkane	18.912	580	J
2.	Unknown Alkane	20.676	610	J
3.	Unknown Alkane	21.677	450	J
4.	Unknown Alkane	22.342	650	J
5.	Unknown Alkane	23.900	580	J
6.	Unknown Alkane	24.595	340	J
7.	Unknown Alkane	25.381	500	J
8.	Unknown Alkane	25.420	500	J
9.	Unknown Alkane	26.713	410	J
10.	Unknown Alkane	26.792	260	J
11.	Unknown Alkane	27.897	380	J
12.	Unknown Alkane	28.973	310	J
13.	Unknown Alkane	29.959	340	J
14.	Unknown Alkane	30.887	320	J
15.	Unknown Alkane	31.746	350	J
16.	Unknown Alkane	32.604	280	J B
17.	Unknown Alkane	33.570	350	J
18.	Unknown Alkane	34.693	270	J
19.	Unknown Alkane	36.022	240	J
20.	Unknown Alkane	39.506	300	J
21.				
22.				
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0568

OLM03.0

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

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb064.d
Lab Smp Id: 4692567 Client Smp ID: 6014-
Inj Date : 07-FEB-2006 01:05
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6014-;4692567;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 08:22 jmg00346 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 5
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	589813	40.000
* 41 Naphthalene-d8	17.180	732835	40.000
* 64 Acenaphthene-d10	22.630	744363	40.000
* 87 Phenanthrene-d10	27.170	802726	40.000
* 99 Chrysene-d12	34.316	688417	40.000
* 105 Perylene-d12	41.295	418515	40.000