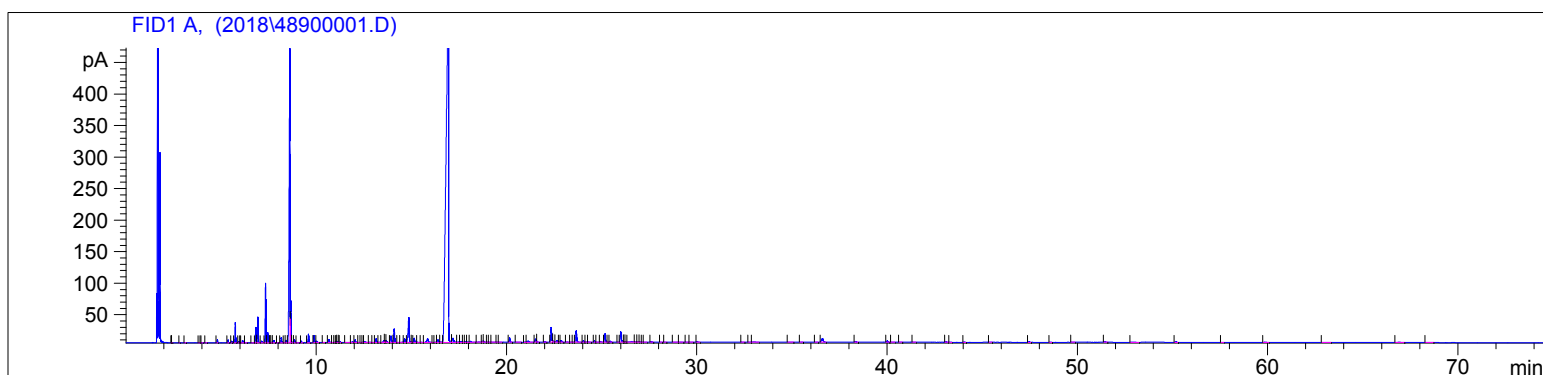


Spearmint (Organic)  
4890-HHBIX  
India  
mentha spicata  
Sample/Solvent: 0.06g/0.63g  
Injection: 0.2uL  
15:1 Split Ratio

HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

8/30/2018 10:34:37 AM  
8/30/2018 10:34:37 AM

8/30/2018  
4:14:02 PM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1		2.38	100.00	0.88	0.69	0.88	0.01
2		2.41	100.00	0.68	0.48	0.68	0.01
3		2.81	100.00	0.74	0.52	0.74	0.01
4		3.09	100.00	0.81	0.24	0.81	0.01
5		3.85	100.00	0.64	0.37	0.64	0.01
6		3.92	100.00	0.71	0.38	0.71	0.01
7		3.97	100.00	1.16	0.50	1.16	0.01
8		4.20	100.00	0.95	0.38	0.95	0.01
9		4.79	100.00	9.25	4.66	9.25	0.11
10		5.36	100.00	9.22	4.38	9.22	0.11
11		5.55	100.00	4.86	2.32	4.86	0.06
12	alpha pinene	5.74	100.00	68.86	31.76	68.86	0.80
13		5.92	100.00	3.29	1.37	3.29	0.04
14		6.00	100.00	0.38	0.16	0.38	0.00
15	camphene	6.12	100.00	9.69	3.57	9.69	0.11
16		6.28	100.00	1.23	0.43	1.23	0.01
17		6.69	100.00	0.62	0.17	0.62	0.01
18	sabinene	6.82	100.00	57.64	24.37	57.64	0.67
19	beta pinene	6.92	100.00	99.58	40.66	99.58	1.16
20		7.13	100.00	8.42	2.29	8.42	0.10
21	myrcene	7.33	100.00	219.08	93.90	219.08	2.54
22	3-octanol	7.45	100.00	39.49	15.85	39.49	0.46
23		7.58	100.00	0.69	0.22	0.69	0.01
24		7.67	100.00	2.83	1.04	2.83	0.03
25		7.76	100.00	12.57	3.53	12.57	0.15
26		7.95	100.00	0.23	0.08	0.23	0.00
27		8.15	100.00	20.63	7.86	20.63	0.24
28		8.33	100.00	1.50	0.58	1.50	0.02
29	para cymene	8.41	100.00	10.96	3.66	10.96	0.13
30	limonene	8.61	100.00	1595.28	473.07	1595.28	18.53
31	1,8-cineol	8.66	100.00	137.83	66.82	137.83	1.60
32		8.71	100.00	1.28	0.96	1.28	0.01
33	cis-beta ocimene	8.86	100.00	10.91	4.30	10.91	0.13
34		9.00	100.00	0.81	0.18	0.81	0.01
35		9.23	100.00	5.91	2.35	5.91	0.07
36	gamma terpinene	9.60	100.00	36.21	13.43	36.21	0.42

4890-HHBIX

Instrument 6890

C:\HPCHEM\2\DATA\2018\  
48900001.DSpearmint (Organic)  
4890-HHBIX  
India  
mentha spicata  
Sample/Solvent: 0.06g/0.63g  
Injection: 0.2uL  
15:1 Split RatioHP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um8/30/2018 10:34:37 AM  
8/30/2018 10:34:37 AM8/30/2018  
4:14:02 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
37	cis-sabinene hydrate	9.89	100.00	31.37	11.22	31.37	0.36
38		10.03	100.00	6.80	2.18	6.80	0.08
39		10.37	100.00	0.39	0.10	0.39	0.00
40	terpinolene	10.68	100.00	15.51	4.88	15.51	0.18
41		10.84	100.00	0.46	0.16	0.46	0.01
42		10.97	100.00	1.58	0.60	1.58	0.02
43		11.04	100.00	3.21	1.09	3.21	0.04
44		11.11	100.00	4.38	1.38	4.38	0.05
45		11.18	100.00	1.24	0.48	1.24	0.01
46		11.26	100.00	3.29	1.12	3.29	0.04
47		11.58	100.00	2.25	0.35	2.25	0.03
48		11.91	100.00	6.09	1.28	6.09	0.07
49		12.05	100.00	13.37	4.00	13.37	0.16
50		12.23	100.00	0.72	0.14	0.72	0.01
51		12.36	100.00	0.95	0.30	0.95	0.01
52		12.44	100.00	1.83	0.55	1.83	0.02
53		12.55	100.00	10.55	1.65	10.55	0.12
54		12.82	100.00	4.13	0.86	4.13	0.05
55		12.98	100.00	0.61	0.12	0.61	0.01
56	menthone	13.15	100.00	19.64	6.41	19.64	0.23
57		13.33	100.00	2.02	0.57	2.02	0.02
58		13.56	100.00	9.82	2.46	9.82	0.11
59		13.62	100.00	11.21	2.95	11.21	0.13
60		13.69	100.00	9.96	2.43	9.96	0.12
61	menthol	13.93	100.00	37.11	10.33	37.11	0.43
62	terpin-4-ol	14.10	100.00	69.18	21.24	69.18	0.80
63		14.34	100.00	1.40	0.28	1.40	0.02
64		14.52	100.00	3.25	0.63	3.25	0.04
65		14.65	100.00	22.51	6.02	22.51	0.26
66	dihydrocarveol & cis-dihydr	14.87	100.00	160.10	39.68	160.10	1.86
67		15.03	100.00	1.88	0.45	1.88	0.02
68	trans-dihydrocarvone	15.15	100.00	23.92	6.81	23.92	0.28
69		15.33	100.00	1.80	0.38	1.80	0.02
70		15.53	100.00	2.21	0.64	2.21	0.03
71	trans-carveol	15.86	100.00	33.35	6.05	33.35	0.39
72		16.13	100.00	0.81	0.18	0.81	0.01
73		16.28	100.00	2.94	0.60	2.94	0.03
74	cis-carveol	16.40	100.00	17.76	3.79	17.76	0.21
75		16.56	100.00	4.55	0.84	4.55	0.05
76	carvone	16.96	100.00	5023.47	585.04	5023.47	58.36
77	carvone oxide	17.19	100.00	35.88	6.71	35.88	0.42
78		17.48	100.00	4.60	0.63	4.60	0.05
79		17.59	100.00	6.58	1.35	6.58	0.08
80		17.74	100.00	2.38	0.50	2.38	0.03
81		17.85	100.00	5.27	1.14	5.27	0.06
82		17.97	100.00	4.14	0.67	4.14	0.05
83		18.12	100.00	8.98	1.62	8.98	0.10
84		18.54	100.00	5.53	0.68	5.53	0.06
85		18.75	100.00	5.87	1.65	5.87	0.07
86		18.80	100.00	6.93	1.67	6.93	0.08
87		19.00	100.00	1.06	0.22	1.06	0.01
88		19.12	100.00	1.92	0.36	1.92	0.02
89		19.34	100.00	2.39	0.24	2.39	0.03
90		19.52	100.00	0.85	0.23	0.85	0.01
91		19.64	100.00	0.79	0.12	0.79	0.01

Spearmint (Organic)  
4890-HHBIX  
India  
mentha spicata  
Sample/Solvent: 0.06g/0.63g  
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HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

8/30/2018 10:34:37 AM  
8/30/2018 10:34:37 AM

8/30/2018  
4:14:02 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
92		20.17	100.00	22.04	6.63	22.04	0.26
93		20.54	100.00	2.16	0.32	2.16	0.03
94		20.97	100.00	2.38	0.67	2.38	0.03
95		21.14	100.00	14.05	1.94	14.05	0.16
96	cis-carvyl acetate	21.53	100.00	18.78	5.33	18.78	0.22
97		21.60	100.00	5.33	1.64	5.33	0.06
98		22.01	100.00	1.92	0.62	1.92	0.02
99	beta bourbenene	22.35	100.00	82.40	23.23	82.40	0.96
100		22.43	100.00	6.96	2.28	6.96	0.08
101		22.66	100.00	12.04	2.44	12.04	0.14
102		22.75	100.00	0.78	0.25	0.78	0.01
103		22.88	100.00	9.81	2.42	9.81	0.11
104		23.19	100.00	2.55	0.64	2.55	0.03
105		23.39	100.00	1.28	0.31	1.28	0.01
106		23.51	100.00	0.92	0.25	0.92	0.01
107	beta caryophyllene	23.67	100.00	67.94	17.76	67.94	0.79
108		24.05	100.00	8.74	2.54	8.74	0.10
109		24.21	100.00	1.62	0.43	1.62	0.02
110		24.32	100.00	2.37	0.65	2.37	0.03
111		24.62	100.00	7.49	2.09	7.49	0.09
112		24.75	100.00	1.22	0.30	1.22	0.01
113		24.96	100.00	5.40	1.03	5.40	0.06
114	alpha humulene	25.18	100.00	44.23	13.11	44.23	0.51
115		25.34	100.00	1.77	0.40	1.77	0.02
116		25.45	100.00	6.67	1.62	6.67	0.08
117		25.87	100.00	1.39	0.40	1.39	0.02
118	germacrene D	26.01	100.00	64.82	16.52	64.82	0.75
119		26.17	100.00	3.92	0.82	3.92	0.05
120		26.27	100.00	2.34	0.53	2.34	0.03
121		26.59	100.00	16.20	1.01	16.20	0.19
122		26.76	100.00	5.16	0.78	5.16	0.06
123		26.90	100.00	4.59	0.79	4.59	0.05
124		27.00	100.00	3.16	0.59	3.16	0.04
125		27.11	100.00	1.13	0.25	1.13	0.01
126		27.25	100.00	1.38	0.31	1.38	0.02
127		27.61	100.00	3.99	1.05	3.99	0.05
128		28.11	100.00	0.32	0.09	0.32	0.00
129		28.33	100.00	0.55	0.13	0.55	0.01
130		28.95	100.00	2.09	0.22	2.09	0.02
131		29.12	100.00	0.77	0.14	0.77	0.01
132		29.51	100.00	2.42	0.36	2.42	0.03
133	spathulenol	29.69	100.00	2.65	0.34	2.65	0.03
134		30.03	100.00	4.53	0.98	4.53	0.05
135		32.37	100.00	1.20	0.23	1.20	0.01
136		32.76	100.00	1.66	0.29	1.66	0.02
137		32.97	100.00	8.37	0.85	8.37	0.10
138		34.89	100.00	1.27	0.15	1.27	0.01
139		35.48	100.00	1.97	0.39	1.97	0.02
140		36.27	100.00	0.55	0.10	0.55	0.01
141		36.60	100.00	38.13	5.92	38.13	0.44
142		38.35	100.00	5.62	1.23	5.62	0.07
143		40.01	100.00	8.87	2.14	8.87	0.10
144		40.28	100.00	0.97	0.15	0.97	0.01
145		40.69	100.00	1.52	0.35	1.52	0.02
146		41.39	100.00	0.35	0.10	0.35	0.00

4890-HHBIX

Instrument 6890

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48900001.D

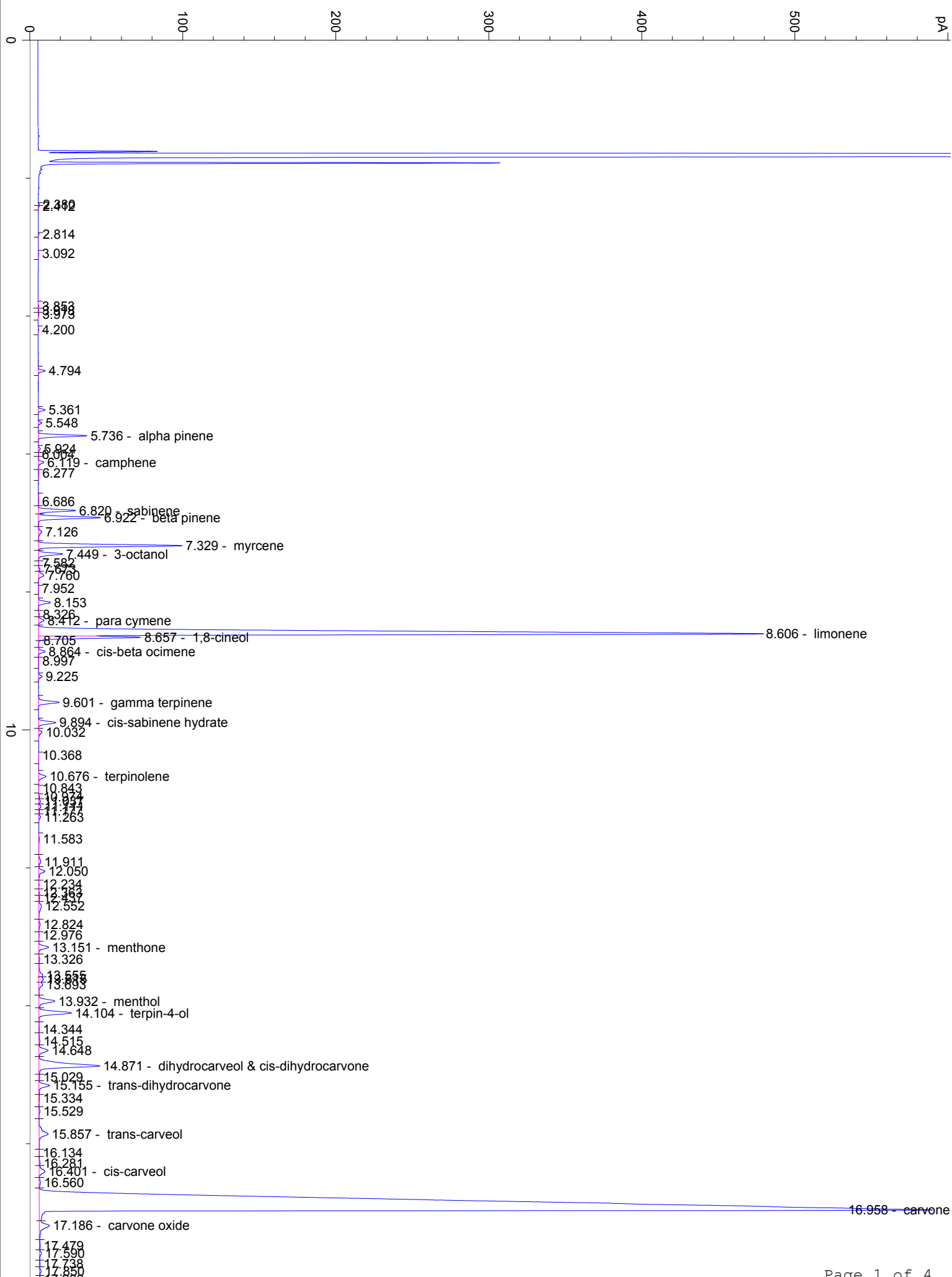
Spearmint (Organic)  
4890-HHBIX  
India  
mentha spicata  
Sample/Solvent: 0.06g/0.63g  
Injection: 0.2uL  
15:1 Split Ratio

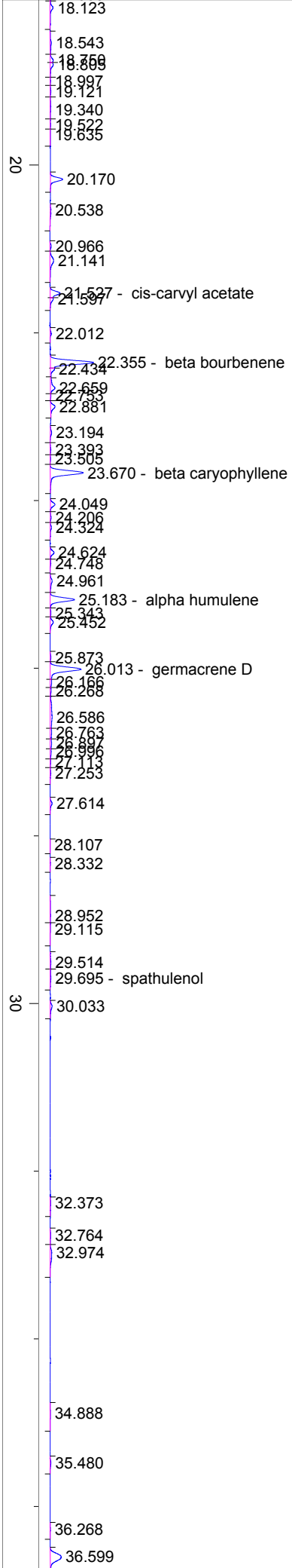
HP-5 5% Phenyl Methyl Siloxane  
30.000m  
250.000um  
0.250um

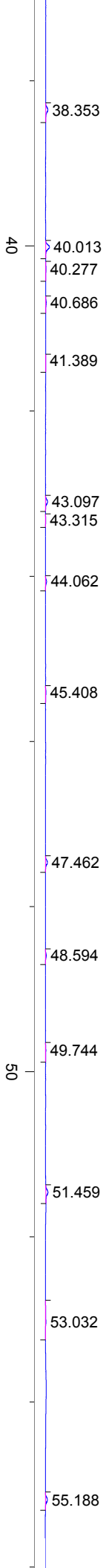
8/30/2018 10:34:37 AM  
8/30/2018 10:34:37 AM

8/30/2018  
4:14:02 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
147		43.10	100.00	4.30	1.08	4.30	0.05
148		43.32	100.00	0.37	0.08	0.37	0.00
149		44.06	100.00	2.32	0.59	2.32	0.03
150		45.41	100.00	1.14	0.23	1.14	0.01
151		47.46	100.00	4.25	1.05	4.25	0.05
152		48.59	100.00	1.92	0.48	1.92	0.02
153		49.74	100.00	0.85	0.15	0.85	0.01
154		51.46	100.00	5.63	1.21	5.63	0.07
155		53.03	100.00	2.66	0.29	2.66	0.03
156		55.19	100.00	5.16	1.11	5.16	0.06
157		57.60	100.00	0.43	0.08	0.43	0.01
158		59.88	100.00	5.92	0.84	5.92	0.07
159		63.05	100.00	4.15	0.26	4.15	0.05
160		66.92	100.00	6.38	0.60	6.38	0.07
161		68.47	100.00	3.62	0.35	3.62	0.04







57.599

59.884

63.050

66.919

68.469

70

min