

Sample Type : Essential Oil
Sample Name : *Picea mariana*
Injection Volume : 0.10



Appalachian Valley
Natural Products
Anatolian Treasures

Mass spectrum of compound 17,054,739. The x-axis represents the mass-to-charge ratio (m/z) from 10.0 to 60.0, and the y-axis represents relative intensity from 0 to 100. The base peak is at m/z 35.105.

m/z	Relative Intensity (%)
6.908	~1
6.729	~1
9.734	~5
10.748	~1
11.829	~1
11.682	~1
13.560	~1
13.642	~1
13.540	~1
13.148	~1
14.709	~1
15.319	~1
16.540	~1
17.823	~1
18.913	~1
19.672	~1
20.587	~1
21.470	~1
22.917	~1
23.748	~1
24.274	~1
25.222	~1
26.034	~1
26.786	~1
27.375	~1
28.4974	~1
29.78	~1
29.977	~1
30.500	~1
30.516	~1
31.335	~1
34.550	~1
34.830	~1
35.105	100
35.234	~1
36.792	~1
38.258	~1
39.178	~1
40.965	~1
41.979	~1
43.237	~1
43.880	~1
45.725	~1
46.125	~1
47.160	~1
47.750	~1
48.369	~1
48.1812	~1
49.66386	~1
50.786	~1
51.528	~1
57.941	~1

Peak Report TIC		
R.Time	Name	Area%
4.026	3-Methylbutanal	0.00
5.908	Toluene	0.01
6.729	Hexanal	0.01
9.734	Santene	1.13
10.748	Unidentified	0.04
11.024	Unidentified	0.01
11.682	Tricyclene	1.49
11.829	alpha-Thujene	0.17
12.259	alpha-Pinene	20.27
12.560	beta-Fenchene	0.03
13.042	alpha-Fenchene	0.13
13.148	Camphene	10.37
13.330	Thuja-2,4(10)-diene	0.02
14.308	Cymene analogue	0.03
14.391	Sabinene	0.07
14.709	beta-Pinene	11.19
15.088	Unidentified	0.01
15.191	para-Menth-3-ene	0.01
15.319	Myrcene	1.86
16.380	alpha-Phellandrene	0.19
16.540	delta-3-Carene	10.49
16.893	1,4-Cineole	0.01
17.032	alpha-Terpinene	0.27
17.513	para-Cymene	0.23
17.823	Limonene	6.27
17.919	beta-Phellandrene	0.79
17.996	1,8-Cineole	0.19
18.205	cis-beta-Ocimene	0.01
18.913	trans-beta-Ocimene	0.01
19.672	gamma-Terpinene	0.18
20.587	Pinol	0.02
21.200	Isoterpinolene	0.04
21.470	Terpinolene	1.04
21.685	Fenchone	0.01
21.789	para-Cymenene	0.10
22.202	Unidentified	0.03
22.417	Linalool	0.26
23.748	endo-Fenchol	0.03
24.274	alpha-Campholenal	0.05
25.222	trans-Pinocarveol	0.05
25.540	Unidentified	0.00
25.660	Camphor	0.05
26.022	Citronellal	0.01
26.214	trans-beta-Terpineol	0.09
26.587	Pinocamphone	0.01
26.786	Isoborneol	0.05
27.375	Borneol	0.98
27.658	Isopinocamphone	0.01
27.974	Terpinen-4-ol	0.18
28.395	para-Cymen-8-ol	0.01
28.521	cis-alpha-Terpineol	0.02
28.977	alpha-Terpineol	0.69
29.500	Unidentified	0.01
30.516	endo-Fenchyl acetate	0.14
31.125	Citronellol	0.02
31.327	Thymol methyl ether	0.03

R.Time	Name	Area%
34.550	Unidentified	0.05
34.816	Unidentified	0.07
35.105	Bornyl acetate	26.93
35.234	Isobornyl acetate	0.63
35.702	Unidentified	0.05
35.797	trans-Pinocarvyl acetate	0.04
38.258	gamma-Terpinyl acetate	0.03
39.178	alpha-Terpinyl acetate	0.03
39.384	Citronellyl acetate	0.04
39.485	Eugenol	0.01
40.965	Longicyclene	0.01
41.080	alpha-Copaene	0.02
41.239	Geranyl acetate	0.18
41.979	beta-Elementene	0.04
43.237	Junipene	0.10
43.880	beta-Caryophyllene	0.14
45.725	trans-Murrola-3,5-diene	0.02
46.124	alpha-Humulene	0.04
46.535	cis-Cadina-1(6),4-diene	0.01
47.161	10-beta-H-Cadina-1(6),4-diene	0.07
47.340	trans-Cadina-1(6),4-diene	0.09
47.720	Germacrene D	0.02
48.209	beta-Selinene	0.01
48.382	Unidentified	0.02
48.671	Epizonarene	0.06
48.802	alpha-Murolene	0.21
49.172	(E,E)-alpha-Farnesene	0.02
49.677	gamma-Cadinene	0.26
49.986	delta-Cadinene	0.85
50.175	trans-Calamenene	0.04
50.256	Zonarene	0.04
50.829	trans-Cadina-1,4-diene	0.02
51.078	alpha-Cadinene	0.05
51.322	trans-alpha-Bisabolene	0.12
57.195	tau-Cadinol	0.06
57.301	epi-alpha-Cadinol	0.06
57.442	delta-Cadinol	0.01
57.941	alpha-Cadinol	0.10
		100.00