

Sample Type : Essential Oil
Sample Name : Citrus aurantium



Appalachian Valley
Natural Products
Anatolian Treasures

Chromatogram showing detector response versus time (min). The x-axis ranges from 10.0 to 80.0 minutes. The y-axis represents detector response, with a major peak at 11.219 minutes reaching a value of 876. Numerous other peaks are labeled with their retention times.

Retention Time (min)	Approximate Response
11.219	876
14.611	10
15.079	15
16.079	10
17.417	100
17.779	150
18.065	10
18.354	10
19.689	10
20.119	10
20.773	10
21.391	10
22.120	100
22.073	150
22.978	10
23.098	10
24.855	10
26.637	10
27.745	10
28.145	10
29.199	10
30.019	10
30.138	10
31.897	10
32.509	100
34.415	10
35.361	10
36.449	10
36.146	150
37.370	10
38.990	10
41.984	10
42.658	10
43.352	10
44.630	100
45.518	10
47.503	10
49.748	10
51.299	10
52.183	10
53.367	10
55.258	10
55.931	100
57.000	10
57.900	10
64.612	10
63.672	10
66.523	10

Peak Report TIC		
R.Time	Name	Area%
14.611	alpha-Thujene	0.02
15.079	alpha-Pinene	1.41
16.079	Camphene	0.04
17.417	Sabinene	2.20
17.779	beta-Pinene	7.73
18.065	Unidentified	0.01
18.354	Myrcene	1.22
19.381	Pseudolimonene	0.11
19.532	alpha-Phellandrene	0.01
19.694	delta-3-Carene	0.03
20.222	alpha-Terpinene	0.04
20.724	para-Cymene	0.03
21.073	Limonene	13.09
21.180	beta-Phellandrene	0.01
21.268	1,8-Cineole	0.04
21.391	cis-beta-Ocimene	1.52
22.120	trans-beta-Ocimene	4.17
22.978	gamma-Terpinene	0.08
23.808	cis-Linalool oxide (furanoid)	0.11
23.970	Unidentified	0.01
24.855	Terpinolene	0.48
25.904	Linalool	42.87
26.637	Phenethyl alcohol	0.12
27.745	allo-Ocimene	0.09
28.145	cis-Limonene oxide	0.02
28.392	Unidentified	0.05
29.199	Camphor	0.12
30.919	Borneol	0.06
31.498	Terpinen-4-ol	0.12
31.897	Hex-(3Z)-enyl butyrate	0.03
32.509	alpha-Terpineol	4.60
34.415	Nerol	1.00
35.361	Neral	0.01
36.146	Linalyl acetate + Geraniol	8.87
36.449	2-Phenethyl acetate	0.14
37.370	Geranial	0.02
38.990	Indole	0.22
41.984	delta-Elemene	0.01
42.243	Methyl anthranilate	0.38
42.658	alpha-Terpinyl acetate	0.02
43.352	Neryl acetate	1.67
44.630	Geranyl acetate	3.20
45.518	beta-Elemene	0.03
47.503	beta-Caryophyllene	0.63
49.398	trans-beta-Farnesene	0.05
49.746	alpha-Humulene	0.09
51.299	Germacrene D	0.03
52.183	Bicyclogermacrene	0.06
52.567	(E,E)-alpha-Farnesene	0.02
55.258	Elemol	0.01
55.931	trans-Nerolidol	1.90
56.991	Spathulenol	0.03
57.330	Caryophyllene oxide	0.04
57.544	Globulol	0.01
57.900	Viridiflorol	0.02
64.612	(2E,6E)-Farnesol	1.02

R.Time	Name	Area%
73.672	Unidentified	0.03
76.523	Myrcene dimer I	0.01
92.425	Tricosane	0.01
		100.00