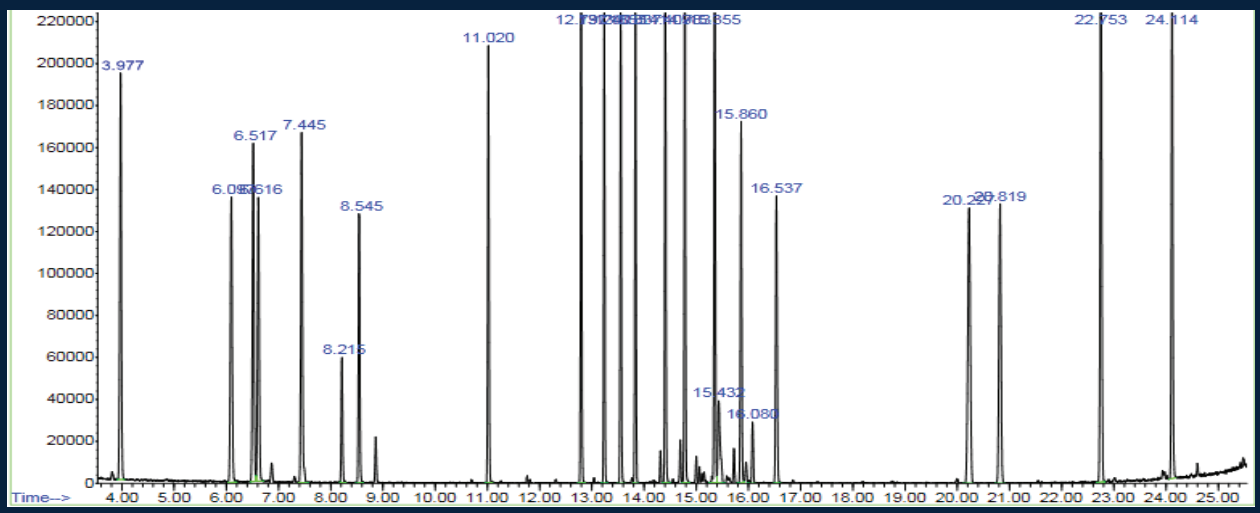
Separation of Terpene Mixture 1 on ARINNA AR-WAX GC Column

Use: food, nutraceutical



	Terpenes	RT (min)
1	Camphene	3.977
2	(1S)-(+)-3-carene	6.097
3	p-mentha-1,5-diene	6.514
4	b-myrcene	6.612
5	Eucalyptol	7.445
6	Ocimene isomers	8.214
7	Farnesene isomer	8.54
8	(+)-fenchone	11.017
9	camphor	12.797
10	Linalool	13.238
11	(-)-isopulegol	13.552
12	Trans-caryophyllene	13.838
13	Farnesene isomer	14.3
14	Hexahydrothymol (menthol)	14.41
15	Isoborneol	14.771
16	valencene	15.349
17	Geranyl acetate	15.858
18	Nerol	16.539
19	(-)-caryophyllene oxide	20.23
20	cis-nerolidol	20.814
21	(+)-cedrol	22.748
22	(-)-a-bisabolol	24.115

GC-MS	Agilent 6890
Column	AR-WAX
Column Size	30 m x 0.25 mm x 0.25 µm
Injector Temperature	250 °C
Injection	1 µL
Column Flow Rate (mL/min)	1.2
Standards	Spex cat# CAN-TERP-MIX1

	Rate (°C/min)	Temp (°C)	Hold time (min)	Run time (min)
Initial		50	5	
Ramp 1	10	150	5	
Ramp 2	12	220	0	26.7