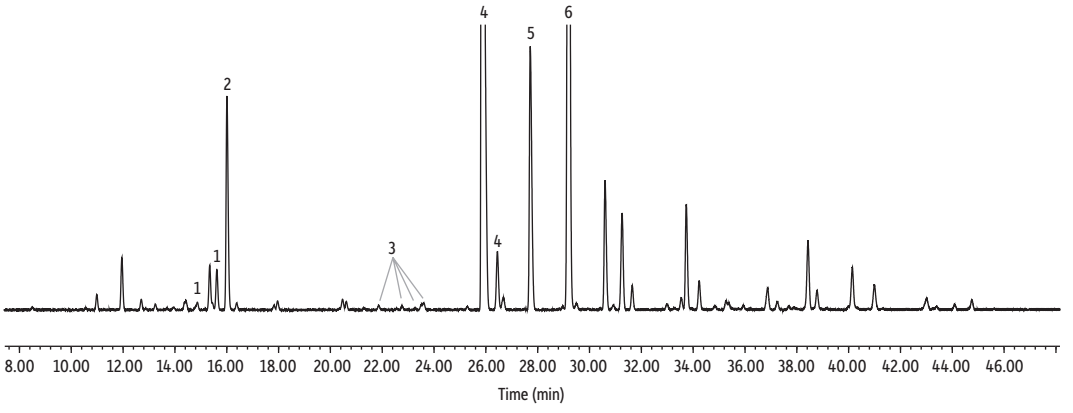
Lavender Oil on Rt-βDEXsm



GC_FF1354

Peaks	t_R 1	t_R 2	t_R 3	t_R 4
1. Limonene (L,D)	14.866	15.618	-	-
2. Eucalyptol	16.009	-	-	-
3. Linalool oxides	21.865	22.765	23.272	23.601
4. Linalool (±)	25.837	26.445	-	-
5. Camphor	27.716	-	-	-
6. Linalyl acetate	29.183	-	-	--

Column	Rt-βDEXsm, 30 m, 0.32 mm ID, 0.25 µm (cat.# 13104)
Standard/Sample	Lavender oil
Diluent:	Acetone
Conc.:	5%
Injection	
Inj. Vol.:	1 µL split (split ratio 100:1)
Liner:	Topaz 4.0 mm ID Precision inlet liner w/ wool (cat.# 23305)
Inj. Temp.:	210 °C
Oven	
Oven Temp.:	40 °C (hold 1 min) to 230 °C at 2 °C/min (hold 3 min)
Carrier Gas	H_2, constant flow
Linear Velocity:	80 cm/sec @ 40 °C
Detector	FID @ 230 °C
Constant Column + Constant Make-up:	51.4 mL/min
Make-up Gas Type:	N_2
Hydrogen flow:	40 mL/min
Air flow:	400 mL/min
Data Rate:	50 Hz
Instrument	Agilent 7890A GC
Sample Preparation	Lavender oil (50 µL) was diluted with acetone (950 µL) in 2 mL, screw-thread vials (cat.# 21143) and capped with short-cap, screw-vial closures (cat.# 24495).