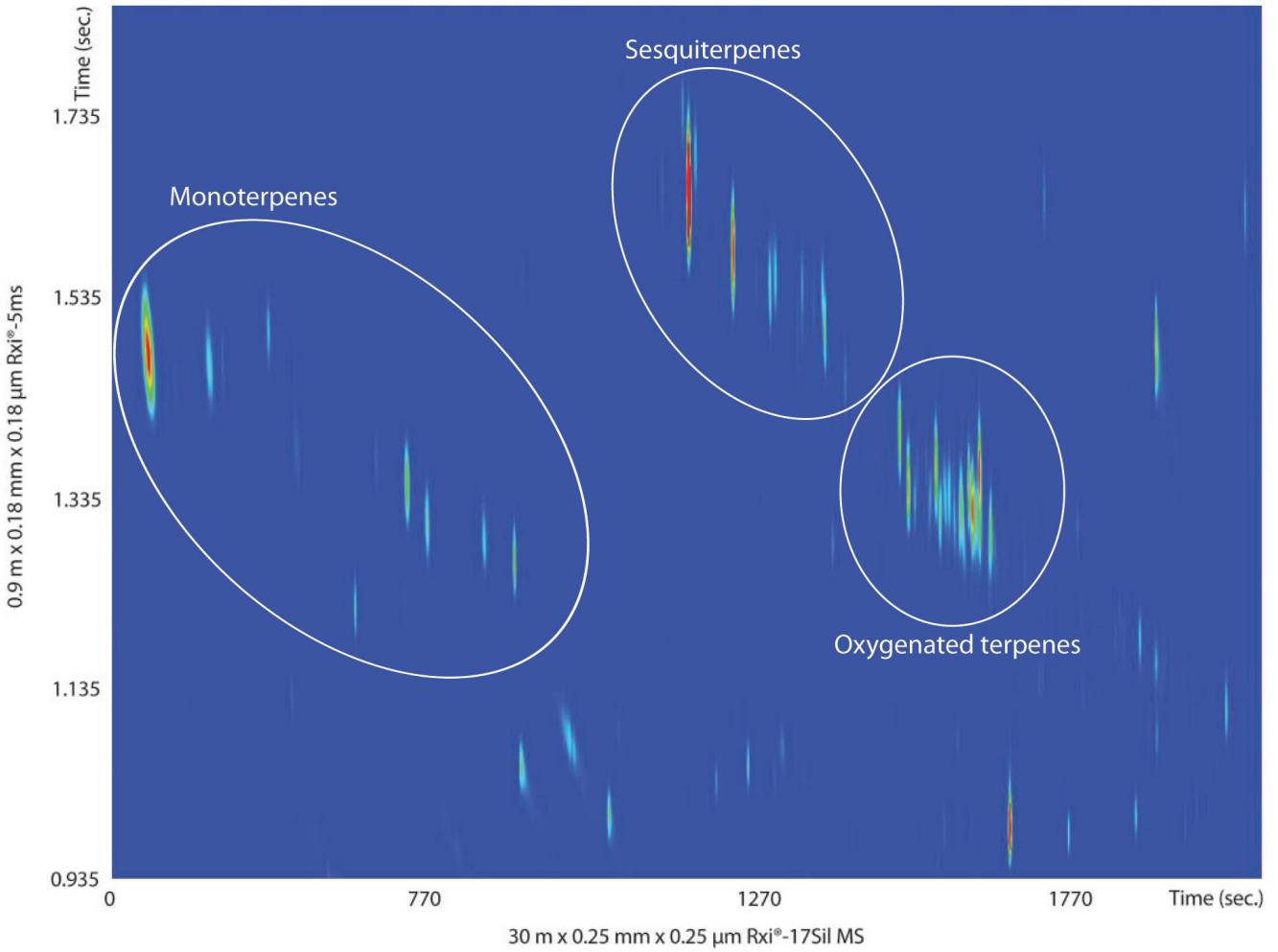
QuEChERS Extract of Cannabis on Rxi®-17Sil MS and Rxi®-5ms by GCxGC-TOFMS (Zoomed in on terpenes region)



GC_FF1208

Column	Rxi®-17Sil MS 30 m, 0.25 mm ID, 0.25 µm (cat.# 14123) Rxi®-5ms 0.9 m, 0.18 mm ID, 0.18 µm
Injection	
Inj. Vol.:	1 µL split (split ratio 20:1)
Liner:	Premium 4 mm Precision® Inlet Liner w/Wool (cat.# 23305.1)
Inj. Temp.:	275 °C
Oven	
Oven Temp:	Rxi®-17Sil MS: 40 °C (hold 1 min.) to 320 °C at 5 °C/min. (hold 3 min.) Rxi®-5ms: 45 °C (hold 1 min.) to 325 °C at 5 °C/min. (hold 3 min.)
Carrier Gas	He, corrected constant flow (2 mL/min.)
Modulation	
Modulator Temp. Offset:	20 °C
Second Dimension Separation Time:	2 sec.
Hot Pulse Time:	0.6 sec.
Cool Time between Stages:	0.4 sec.

Detector	TOFMS
Transfer Line Temp.:	310 °C
Analyzer Type:	TOF
Source Temp.:	250 °C
Electron Energy:	70 eV
Mass Defect:	-20 mu/100 u
Solvent Delay Time:	4.5 min.
Tune Type:	PFTBA
Ionization Mode:	EI
Acquisition Range:	45-500 amu
Spectral Acquisition Rate:	200 spectra/sec
Instrument	LECO Pegasus 4D GCxGC-TOFMS
Notes	**Sample Preparation:** *Sample:* Up to 2 g of finely ground cannabis in a 50 mL polypropylene centrifuge tube. *Extraction:* Add 10 mL acetonitrile and 10 mL of organic-free water, then shake thoroughly. Soak 1 hour, then aggressively vortex 30 minutes. Add Q-sep™ packet (cat.# 26235), shake 1 minute, then centrifuge 5 minutes at 3,000 g with Q-sep™ 3000 centrifuge (cat.# 26230).

Restek Corporation 110 Benner Circle Bellefonte, PA 16823
814-353-1300 • 800-356-1688 • Fax: 814-353-1309 • www.restek.com