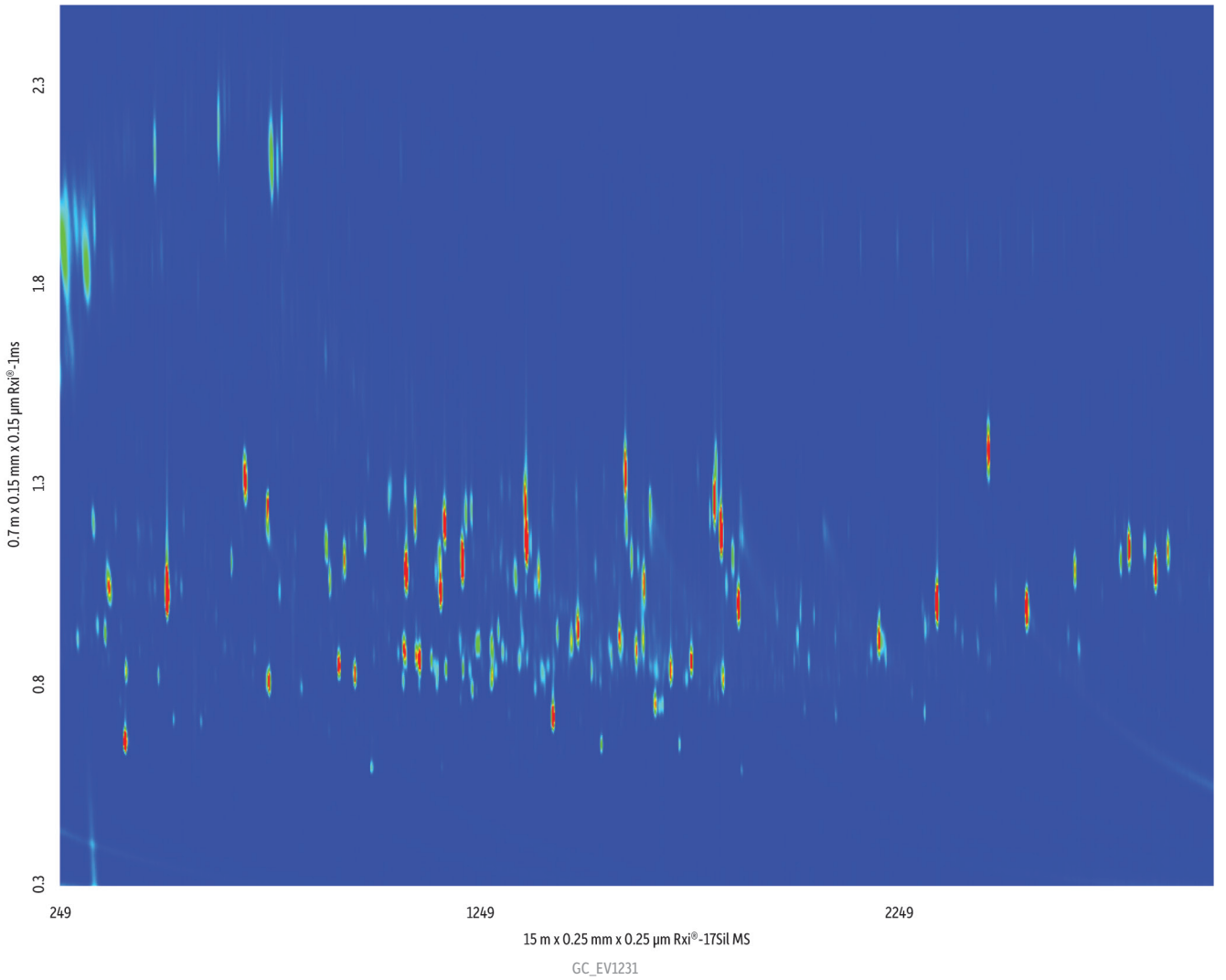
Stir Bar Sorptive Extraction Cleaned Up Sample - QuEChERS Extract of NIST SRM Mussel (Rxi®17Sil MS and Rxi®-1ms)



Column	Rxi®-17Sil MS 15 m, 0.25 mm ID, 0.25 µm (cat.# 14120) Rxi®-1ms 0.7 m, 0.15 mm ID, 0.15 µm (cat.# 43800)
Sample	
Diluent:	Methylene chloride
Injection	
Inj. Vol.:	1 µL splitless (hold 1 min.)
Liner:	Premium 4mm Single Taper w/Wool (cat.# 23303.1)
Inj. Temp.:	250 °C
Purge Flow:	40 mL/min.
Oven	
Oven Temp:	Rxi®-17Sil MS: 40 °C (hold 1 min.) to 320 °C at 5 °C/min. (hold 3 min.) Rxi®-1ms: 45 °C (hold 1 min.) to 325 °C at 5 °C/min. (hold 3 min.)
Carrier Gas	He, corrected constant flow (2.2 mL/min.)
Modulation	
Modulator Temp. Offset:	20 °C
Second Dimension Separation Time:	3 sec.
Hot Pulse Time:	0.9 sec.
Cool Time between Stages:	0.6 sec.

Detector	TOFMS
Transfer Line Temp.:	290 °C
Analyzer Type:	TOF
Source Temp.:	225 °C
Electron Energy:	70 eV
Mass Defect:	0 mu/100 u
Solvent Delay Time:	4 min.
Tune Type:	PFTBA
Ionization Mode:	EI
Acquisition Range:	45-550 amu
Spectral Acquisition Rate:	200 spectra/sec
Instrument	LECO Pegasus 4D GCxGC-TOFMS
Notes	Rxi®-1ms (cat.# 43800) is a 10 m column. A 0.7 m section was used as a second dimension column.
Acknowledgement	Ed Pfannkoch and Jackie Whitecavage of Gerstel Inc. USA for providing the mussel extract for GCxGC analysis.

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