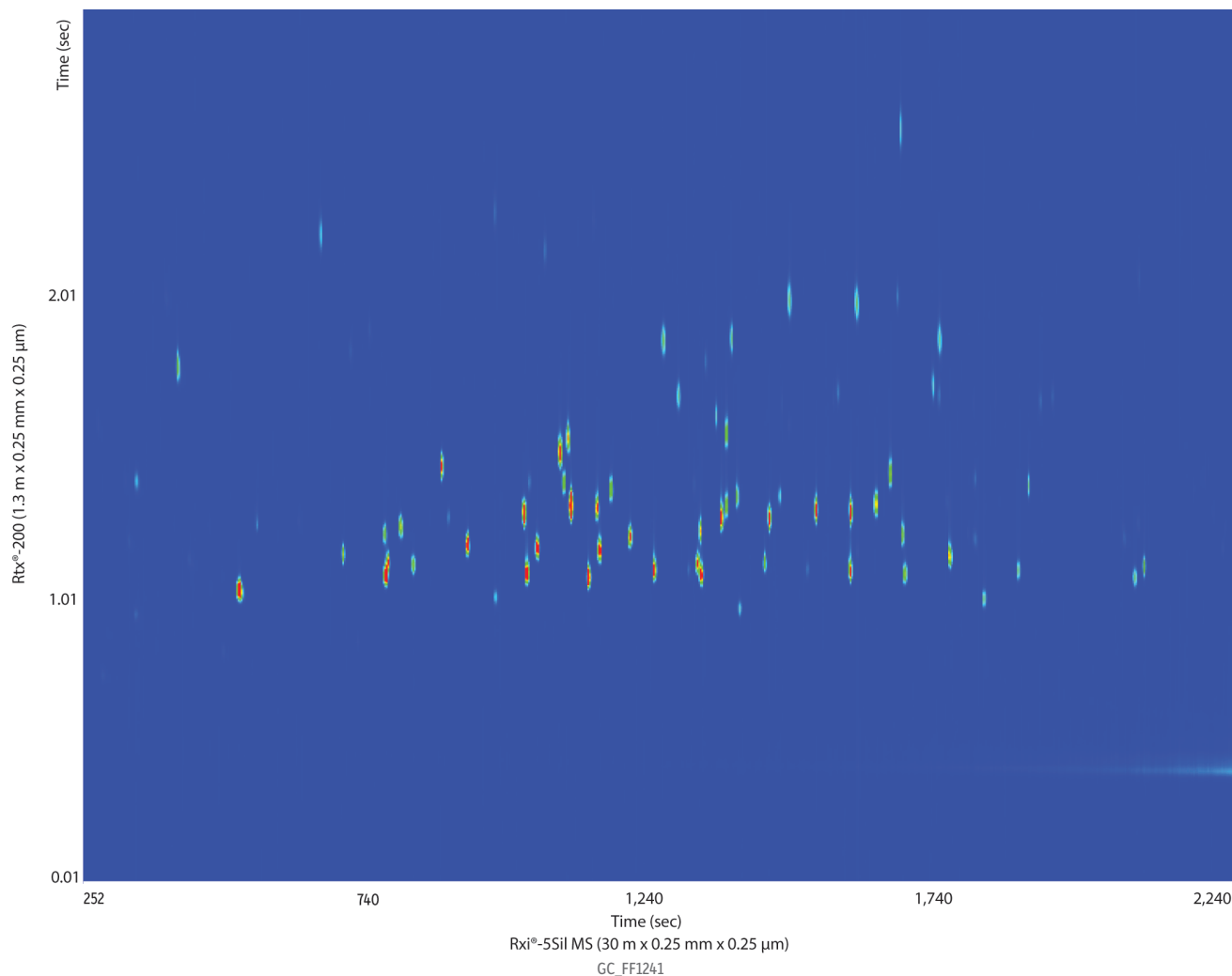


## GCxGC-TOFMS Analysis of Multi-Pesticide Standard Using Rxi-5Sil MS and Rtx-200



<b>Column</b>	Rxi-5Sil MS 30 m, 0.25 mm ID, 0.25 µm (cat.# 13623) Rtx-200 1.3 m, 0.25 mm ID, 0.25 µm (cat.# 15124)	<b>Modulation</b>	Modulator Temp. Offset: +20 °C
<b>Sample</b>	Custom pesticide standard	<b>Second Dimension</b>	Separation Time: 3 sec
<b>Diluent:</b>	Acetonitrile	<b>Hot Pulse Time:</b>	0.9 sec
<b>Conc.:</b>	500 pg/µL	<b>Cool Time between</b>	Stages: 0.6 sec
<b>Injection</b>		<b>Detector</b>	MS
<b>Inj. Vol.:</b>	1.0 µL splitless (hold 1.0 min)	<b>Mode:</b>	Transfer Line Temp.: 300 °C
<b>Liner:</b>	Premium 4 mm single taper w/wool (cat.# 23303)	<b>Analyzer Type:</b>	TOF
<b>Inj. Temp.:</b>	250 °C	<b>Source Temp.:</b>	225 °C
<b>Oven</b>		<b>Electron Energy:</b>	70 eV
<b>Oven Temp.:</b>	Rxi-5Sil MS: 90 °C (hold 1.0 min) to 310 °C at 5 °C/min (hold 2.0 min) Rtx-200: 95 °C (hold 1.0 min) to 315 °C at 5 °C/min (hold 2.0 min)	<b>Mass Defect:</b>	-20 mu/100 u
<b>Carrier Gas</b>	He, corrected constant flow (2 mL/min)	<b>Ionization Mode:</b>	EI
		<b>Acquisition Range:</b>	45 to 550 amu
		<b>Spectral Acquisition</b>	Rate: 100 spectra/sec
		<b>Instrument</b>	LECO Pegasus 4D GCxGC-TOFMS
		<b>Notes</b>	Rtx-200 (cat.# 15124) is a 2 m column. A 1.3 m section was cut off and used as the second dimension column.