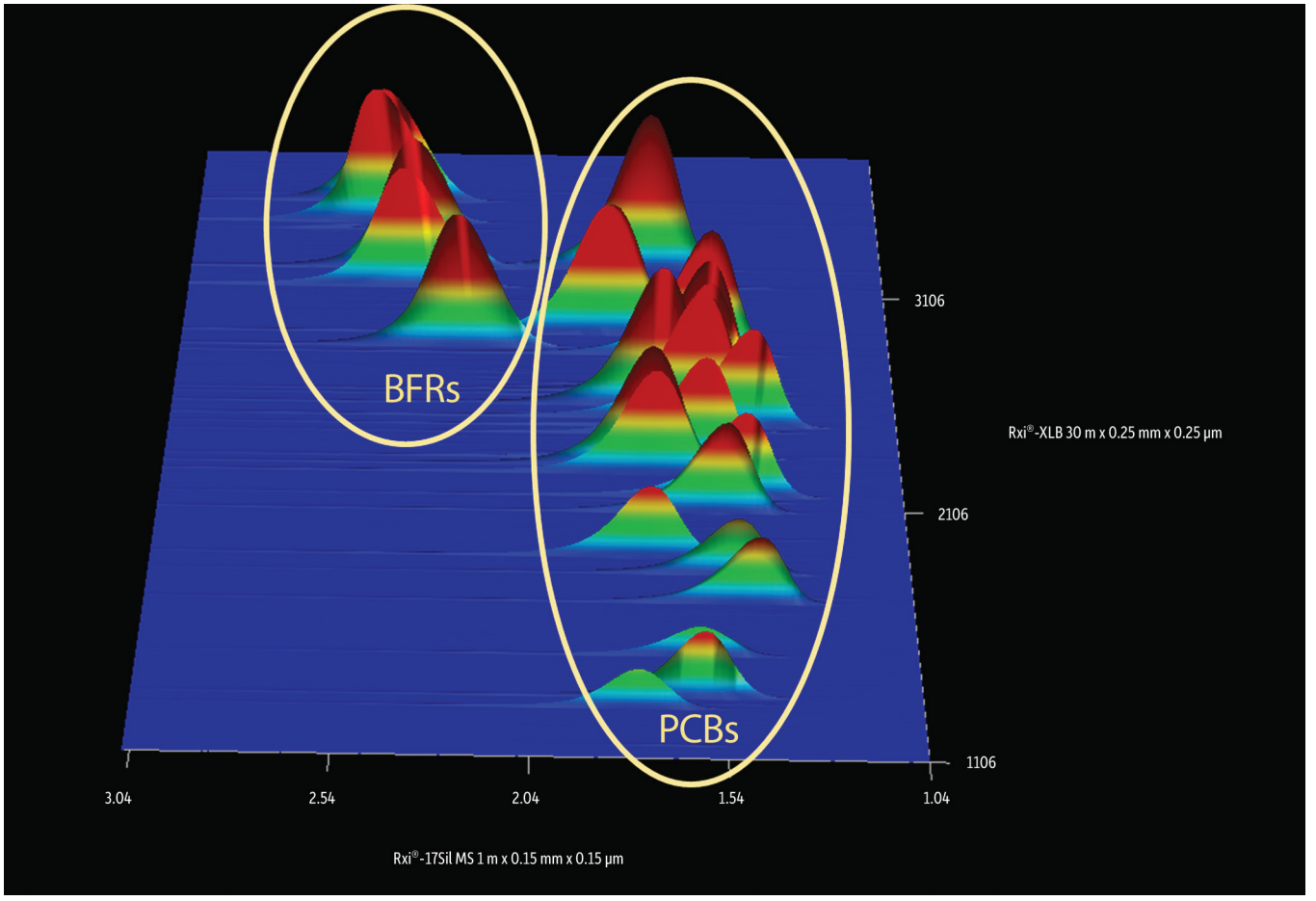
PCBs and BFRs on Rxi®-XLB and Rxi®-17Sil MS (GCxGC)



GC_EV1237

Column	Rxi®-XLB 30 m, 0.25 mm ID, 0.25 µm (cat.# 13723) Rxi®-17Sil MS 1 m, 0.15 mm ID, 0.15 µm (cat.# 43820) with IP Deactivated Guard Column 0.2 m, 0.15 mm ID
Sample	PBDE Mix (cat.# 33098) PCB Congener Mix, Method 8082A (cat.# 32416)
Diluent:	isooctane
Conc.:	250 pg/µL
Injection	
Inj. Vol.:	1.0 µL splitless (hold 1.0 min.)
Liner:	Premium 4mm Single Taper Gooseneck w/Wool (cat.# 23303.5)
Inj. Temp.:	250 °C
Purge Flow:	20 mL/min.
Oven	
Oven Temp:	Rxi®-XLB: 80 °C (hold 1 min.) to 120 °C at 10 °C/min. to 300 °C at 3 °C/min. Rxi®-17Sil MS: 85 °C (hold 1 min.) to 125 °C at 10 °C/min. to 305 °C at 3 °C/min.
Carrier Gas	He, corrected constant flow (2.0 mL/min.)
Modulation	
Modulator Temp. Offset:	20 °C
Second Dimension Separation Time:	3.5 sec.
Hot Pulse Time:	1.25 sec.
Cool Time between Stages:	0.50 sec.
Detector	µ-ECD @ 325 °C
Data Rate:	50 Hz
Instrument	Agilent/HP6890 GC
Notes	The Rxi®-17Sil MS column (cat.# 43820) is a 10 m column. A 1 m section was used as a second dimension column. Guard column was connected using a Siltek® treated universal Press-Tight® connector (cat.# 20480).

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