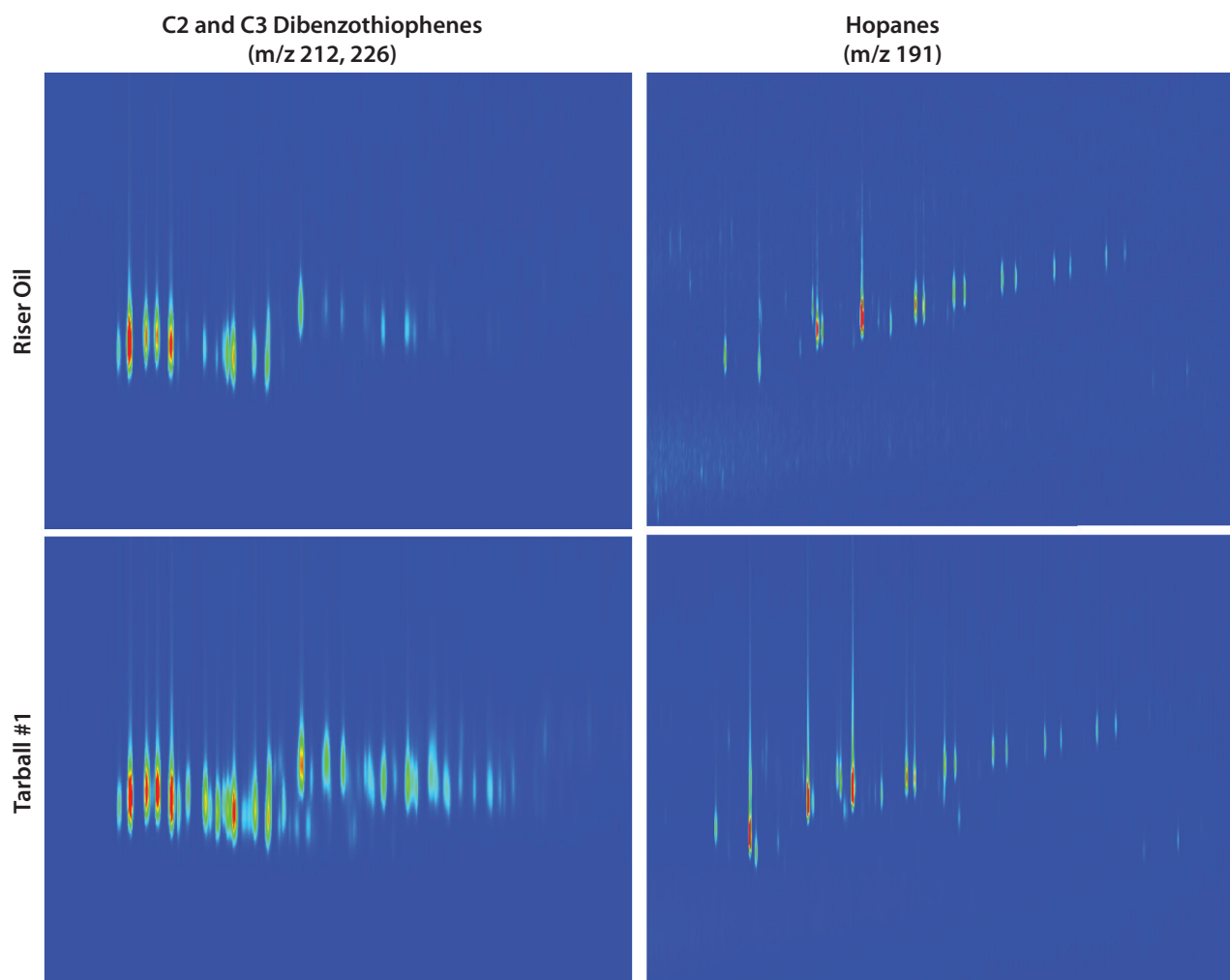


C2 and C3 Dibenzothiophenes and Hopanes from Riser Oil and Tarball #1 on Rxi-17Sil MS and Rxi-1HT (GCxGC-TOFMS; m/z 212, 226, and 191)



GC_PC1259

Column	Rxi-17Sil MS 60 m, 0.25 mm ID, 0.10 μ m (cat.# custom) Rxi-1HT 1 m, 0.25 mm ID, 0.10 μ m (cat.# 13950)	Modulation	Modulator Temp. Offset: 20 $^{\circ}$ C
Sample	Riser pipe oil from Deepwater Horizon oil spill SV internal standard mix (5 ng/ μ L) (cat.# 31206) Tarball #1	Second Dimension	Separation Time: 2.8 sec Hot Pulse Time: 1.0 sec
Diluent:	Methylene chloride	Cool Time between	Stages: 0.4 sec
Conc.:	10 mg/mL	Detector	MS
Injection		Mode:	
Inj. Vol.:	1.0 μ L split (split ratio 10:1)	Transfer Line Temp.:	300 $^{\circ}$ C
Liner:	Premium 4 mm Precision liner w/wool (cat.# 23305)	Analyzer Type:	TOF
Inj. Temp.:	275 $^{\circ}$ C	Source Temp.:	250 $^{\circ}$ C
Oven		Electron Energy:	-70 eV
Oven Temp.:	Rxi-17Sil MS: 40 $^{\circ}$ C (hold 1 min) to 320 $^{\circ}$ C at 2.5 $^{\circ}$ C/min (hold 7 min) Rxi-1HT: 45 $^{\circ}$ C (hold 1 min) to 325 $^{\circ}$ C at 2.5 $^{\circ}$ C/min (hold 7 min)	Mass Defect:	100 mu/100 u
Carrier Gas	He, corrected constant flow (1 mL/min)	Ionization Mode:	EI
		Acquisition Range:	45 to 550 amu
		Spectral Acquisition	
		Rate:	100 spectra/sec
		Instrument	LECO Pegasus 4D GCxGC-TOFMS