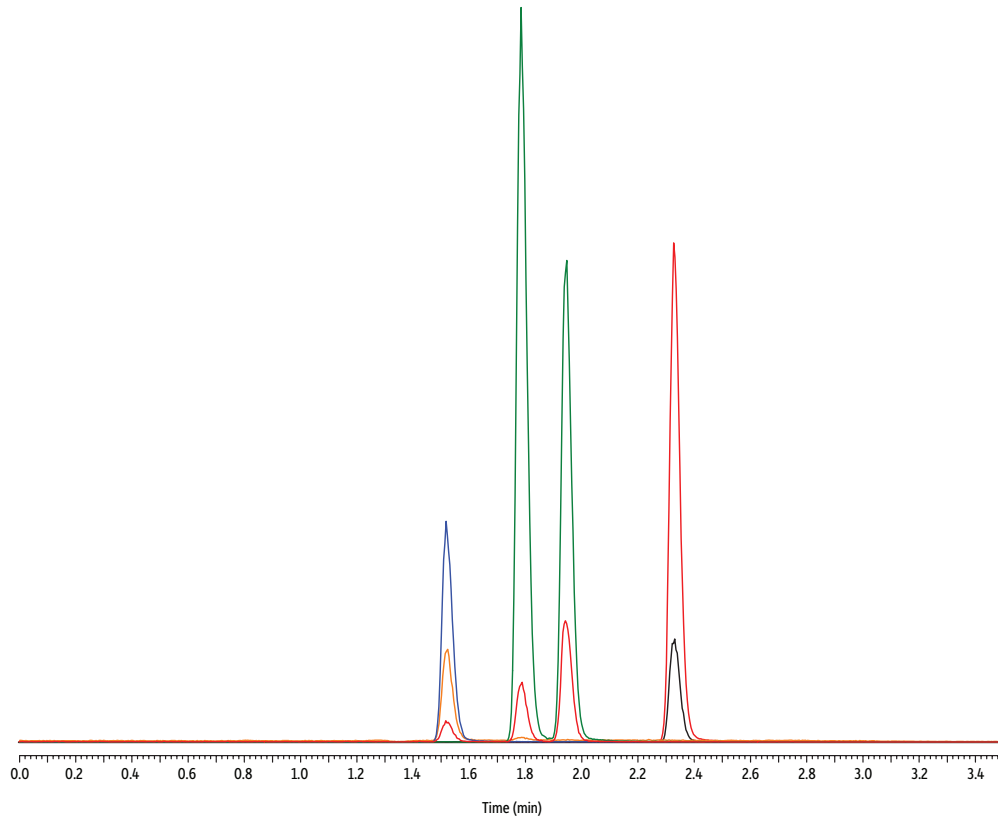


# Xanthines on Force FluoroPhenyl by LC/MS/MS



LC\_CF0672

Peaks	t <sub>R</sub> (min)	Conc. (µg/mL)	Precursor Ion	Product Ion	Product Ion
1. Theobromine	1.53	50	181.13	137.95	163.01
2. Theophylline	1.79	50	181.13	124.02	96.03
3. Paraxanthine	1.95	50	181.13	124.02	96.03
4. Caffeine	2.33	50	195.09	138.01	110.03

**Column** Force FluoroPhenyl (cat.# 9639212)  
 Dimensions: 100 mm x 2.1 mm ID  
 Particle Size: 1.8 µm  
 Temp.: 40 °C

**Sample**  
 Diluent: 70:30 Water:methanol  
 Conc.: 50 ng/mL  
 Inj. Vol.: 5 µL

**Mobile Phase**  
 A: 0.1% Formic acid in water  
 B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.3	70	30
2.5	0.3	30	70
3.0	0.3	0	100
3.01	0.3	70	30
5.0	0.3	70	30

**Detector** MS/MS  
 Ion Mode: ESI+  
 Mode: MRM  
**Instrument** UHPLC