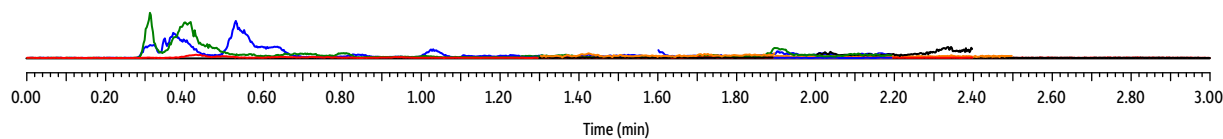


Blank Urine for Comparison to Fentanyl and Analogues on Raptor Biphenyl by LC-MS/MS



LC_CF0716

Column Raptor Biphenyl (cat.# 9309552)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 5 µm
Pore Size: 90 Å
Guard Column: Raptor Biphenyl EXP guard cartridge 5 mm, 2.1 mm ID, 5 µm (cat.# 930950252)
Temp.: 40 °C
Standard/Sample
Diluent: 70:30 Water:methanol
Inj. Vol.: 5 µL
Mobile Phase
A: 0.1% Formic acid in water
B: 0.1% Formic acid in methanol

| Time (min) | Flow (mL/min) | %A | %B |
|------------|---------------|----|----|
| 0.00 | 0.4 | 70 | 30 |
| 2.50 | 0.4 | 30 | 70 |
| 2.51 | 0.4 | 70 | 30 |
| 3.50 | 0.4 | 70 | 30 |

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

Sample Preparation An 80 µL aliquot of blank urine was mixed with 320 µL of 70:30 water:methanol solution (5-fold dilution) and 10 µL of internal standard solution (40 ng/mL in methanol) in a Thomson SINGLE STEP filter vial (Restek cat.# 25895). After filtering through the 0.2 µm PVDF membrane, 5 µL was injected for analysis.