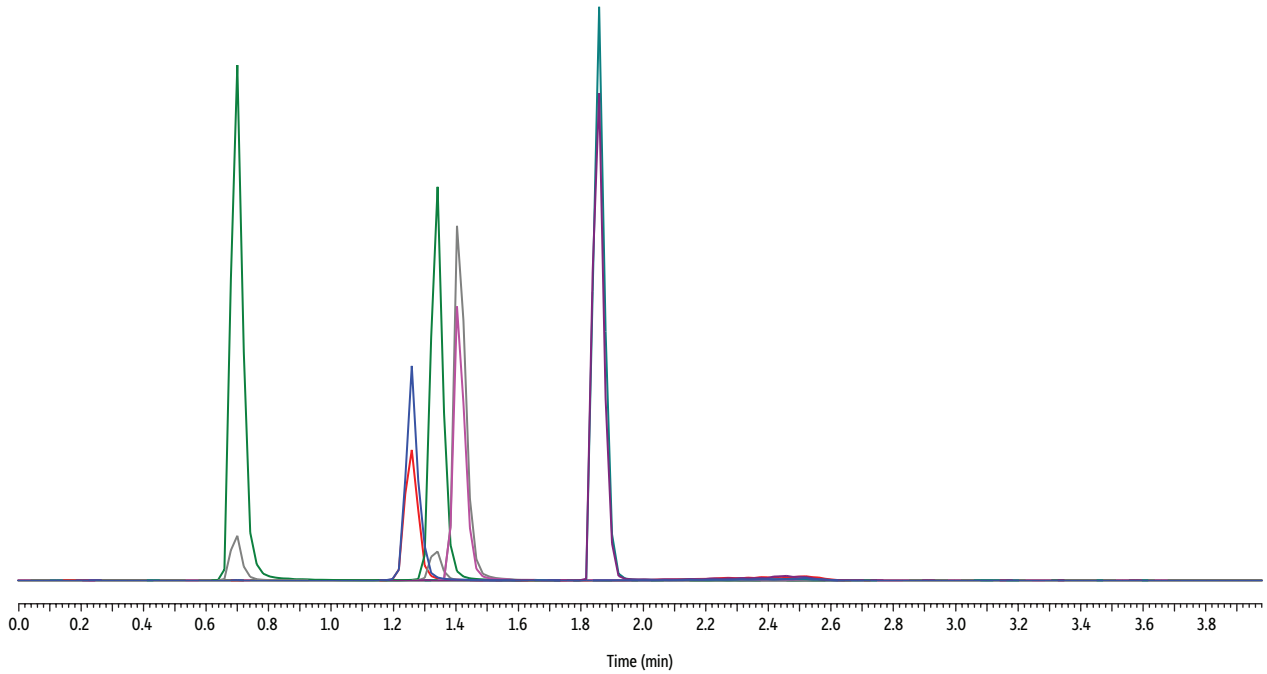


Morphine and Metabolites on Force Biphenyl by UHPLC-MS/MS



LC_CF0677

Peaks	t_R (min)	Precursor Ion	Product Ion	Product Ion
1. Morphine-3- β -D-glucuronide	0.70	462.1	286.0	152.1
2. Morphine	1.26	286.1	164.9	152.0
3. Morphine-6- β -D-glucuronide	1.34	462.1	286.0	152.1
4. Morphine-N-oxide	1.41	302.1	284.9	161.9
5. 6-Acetylmorphine	1.86	328.1	211.1	165.0

Column Force Biphenyl (cat.# 9629252)
 Dimensions: 50 mm x 2.1 mm ID
 Particle Size: 1.8 μ m
 Temp.: 35 °C

Sample
 Diluent: 0.1% Formic acid in water
 Conc.: 50 ng/mL
 Inj. Vol.: 5 μ L

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	0.5	85	15
0.50	0.5	85	15
2.00	0.5	30	70
2.01	0.5	85	15
4.00	0.5	85	15

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