

Norbuprenorphine & Buprenorphine in Urine on Raptor™ Biphenyl by LC-MS/MS

Peaks	tr (min)	Parent Ion	Product Ion 1	Product Ion 2
1. Norbuprenorphine	0.63	414.1	83.4	101.0
2. Buprenorphine	0.84	468.3	396.4	414.5

Column Raptor™ Biphenyl (cat.# 9309A5E)
Dimensions: 50 mm x 3.0 mm ID
Particle Size: 2.7 µm
Temp.: 30 °C

Sample
Conc.: 100 ng/mL standard was prepared in 1 mL urine. The 1 mL urine standard was then diluted with 2 mL of 0.1% formic acid in methanol:water (50:50) prior to analysis.
Inj. Vol.: 10 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	0.75	45	55
1.0	0.75	0	100
1.5	0.75	0	100
1.51	0.75	45	55
2.0	0.75	45	55

Detector AB SCIEX API 4000™ MS/MS
Ion Source: TurbolonSpray®
Ion Mode: ESI+
Instrument API LC-MS/MS

