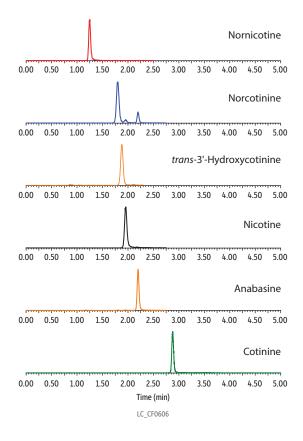
Nicotine-Related Compounds in Urine on Raptor Biphenyl by LC-MS/MS



Product Ion
80.05
80.05
80.05
132.10
91.63
98.07

Column Raptor Biphenyl (cat.# 9309512)

Dimensions: 100 mm x 2.1 mm ID Particle Size: 5 um

90 Å Pore Size:

Guard Column: Raptor Biphenyl EXP cartridges 5 mm, 2.1 mm ID, 5 µm (cat.# 930950252)

30°C

Temp.: Standard/Sample Diluent:

Water

25 ng/mL (fortified human urine) Conc.:

Inj. Vol.: Mobile Phase 5 μL

B:

0.1% Formic acid, 5 mM ammonium formate in water

0.1% Formic acid in methanol

Time (min)	Flow (mL/min)	%A	%E
0.00	0.4	90	10
1.00	0.4	90	10
2.00	0.4	70	30
3.00	0.4	30	70
3.01	0.4	90	10
5.00	0.4	90	10

MS/MS Detector Ion Mode: ESI+ Mode: Instrun UHPLC

The urine from a non-tobacco user was fortified with analytes to a final concentration of 25 ng/mL and prepared by a liquid-liquid extraction method. A 250 μ L urine sample was mixed with 50 μ L of 5N NaOH and extracted with 1.5 mL of 50/50 methylene chloride/diethyl ether. A portion of organic **Sample Preparation**

phase (1.0 mL) was dried and reconstituted with 200 μL of water for analysis.

