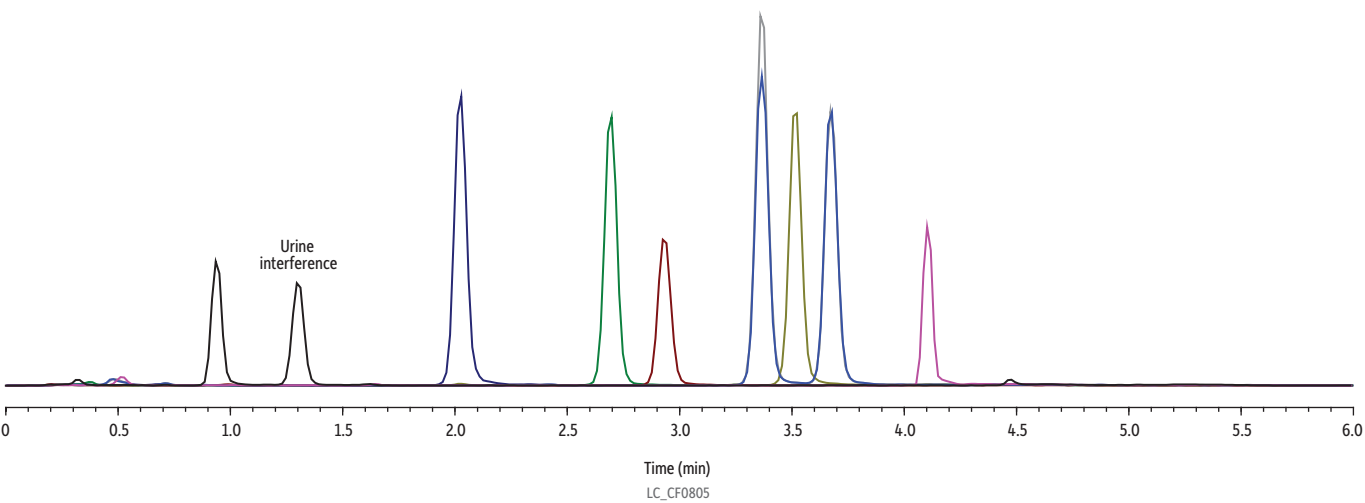


Nitazenes in Urine on Raptor Biphenyl



Peaks	tr (min)	Precursor	Product 1	Product 2
1. 4'-Hydroxy nitazene	0.94	369.10	100.15	72.25
2. N-Pyrrolidino metonitazene	2.03	381.00	98.20	121.15
3. N-Pyrrolidino etonitazene	2.69	395.00	98.25	56.10
4. N-Desethyl isotonitazene	2.94	383.00	72.30	312.20
5. Isotonitazene	3.36	411.00	100.20	72.15
6. N-Pyrrolidino protonitazene	3.53	409.00	98.25	56.15
7. Protonitazene	3.67	411.00	100.20	56.15
8. iso-Butonitazene	4.12	425.20	100.20	72.15

Column Raptor Biphenyl (cat.# 9309A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor Biphenyl EXP guard column cartridge 5 mm, 2.1 mm ID, 2.7 µm (cat.# 9309A0252)
Temp.: 40 °C

Standard/Sample
Diluent: Water, 0.1% formic acid (MPA)
Conc.: 100 ng/mL
Inj. Vol.: 10 µL

Mobile Phase
A: Water, 0.1% formic acid
B: Methanol, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	1.0	72	28
3.50	1.0	50	50
4.25	1.0	0	100
5.00	1.0	0	100
5.50	1.0	72	28
6.00	1.0	72	28

Detector Shimadzu 8045
Interface: ESI+
Instrument Shimadzu Nexera X2
Sample Preparation 200 µL of drug free urine was spiked with 20 µL of standard and diluted with 800 µL of MPA. Samples were transferred into 2 mL, screw-thread vials (cat.# 21143) and capped with short-cap, screw-vial closures (cat.#24498).