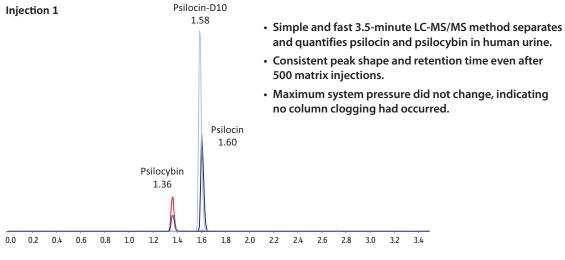
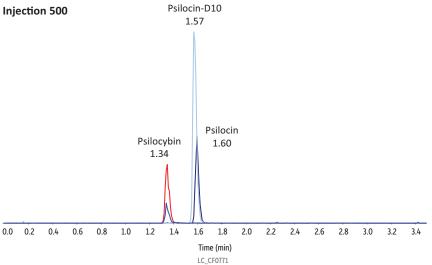
Column Lifetime Test: Psilocin and Psilocybin in Urine on Raptor Biphenyl





Peaks 1. Psilocybin 2. Psilocin-D10 3. Psilocin			Conc. (ng/mL) 500 200 500	Precursor Ion 285.1 215.1 205.1	Product lon 1 205.1 66.1 160.1	Product lon 2 240.0 - 115.0	
Column Dimensions: Particle Size: Pore Size: Guard Column: Temp.: Standard/Sample Diluent: Conc.: Inj. Vol.: Mobile Phase A: B:	Raptor Biphenyl (cat.# 9309A52) 50 mm x 2.1 mm ID 2.7 µm 90 Å Raptor Biphenyl EXP guard column cartridge 5.0 mm, 2.1 mm ID, 2.7 µm (cat.# 9309A0252) 35°C Water, 0.1% formic acid + 2 mM ammonium formate 500 ng/mL 5 µL Water, 0.1% formic acid + 2 mM ammonium formate Methanol, 0.1% formic acid + 2 mM ammonium formate						
	Time (min) 0.00	Flow (mL/min) 0.5	%A %E 95 5	1			

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	95	5
0.20	0.5	95	5
2.50	0.5	5	95
2.51	0.5	95	5
3.50	0.5	95	5

Detector MS/MS Ion Source: Ion Mode: Electrospray ESI+ MRM Mode: Instrument Sample Preparation

A 500 ng/mL standard mix of psilocin and psilocybin was prepared in pooled urine. A 50 μ L aliquot was taken from the standard and mixed with 10 μ L of internal standard (psilocin-D10, 20 μ g/mL) and 100 μ L of methanol. The mixture was vortexed at 3000 rpm for 10 seconds and centrifuged at 4300 rpm for 10 minutes at 10 °C. After centrifugation, 100 µL of the supernatant was diluted with 900 µL (20-fold dilution) of water containing 0.1% formic acid and 2 mM ammonium formate (mobile phase A) and injected for LC-MS/MS analysis.

