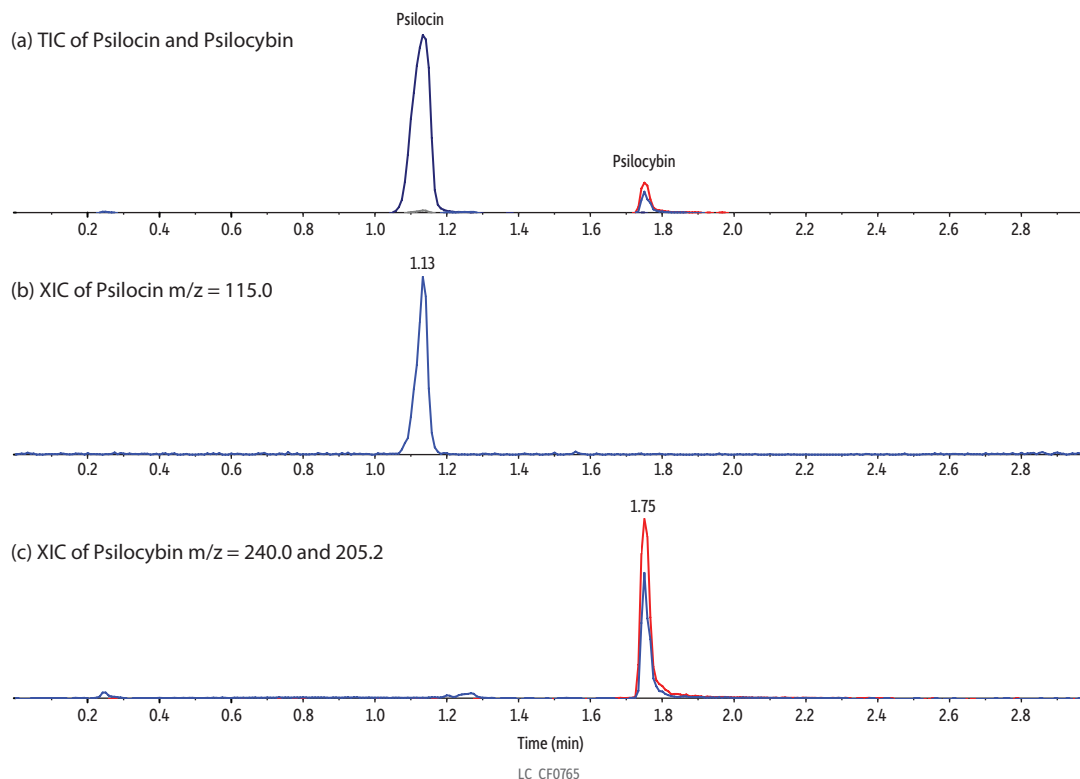


Psilocybin and Psilocin in Methanol Sample Diluent on Raptor HILIC-Si by LC-MS/MS

- Simple LC-MS/MS method retains and separates psilocin and psilocybin prepared in methanol.
- Fast 3-minute analysis.
- Can be applied to real mushrooms samples.



Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion 1	Product Ion 2
1. Psilocin	1.13	100	205.1	160.1	115.0
2. Psilocybin	1.75	100	285.1	240.0	205.2

Column Raptor HILIC-Si (cat.# 9310A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 40 °C

Standard/Sample
Diluent: 10 mM Ammonium formate in 100% methanol
Conc.: 100 ng/mL
Inj. Vol.: 2 µL

Mobile Phase
A: Water, 10 mM ammonium formate
B: 90:10 Acetonitrile:water (v/v), 10 mM ammonium formate

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	0	100
0.20	0.5	0	100
1.70	0.5	95	5
1.71	0.5	0	100
3.00	0.5	0	100

Detector MS/MS
Ion Source: Electrospray
Ion Mode: ESI+
Mode: MRM

Sample Preparation
 A 100 ng/mL standard mix of psilocin and psilocybin was prepared in 10 mM ammonium formate in 100% methanol. The solution was vortexed at 3000 rpm for 10 seconds to mix, and then the supernatant was injected for LC-MS/MS analysis.