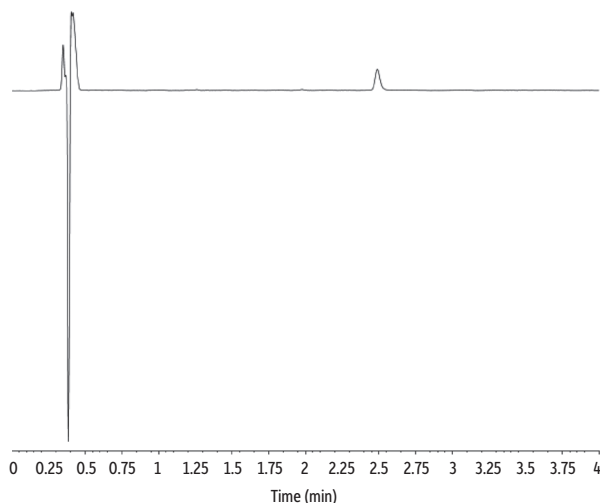


Cannabis Hard Candy Sample on Raptor ARC-18 1.8 µm by UHPLC-UV



LC_GN0591

Peaks	Retention Time (min)
1. Δ9-Tetrahydrocannabinol (Δ9-THC)	2.49

Column Raptor ARC-18 (cat.# 931421E)
 Dimensions: 100 mm x 3.0 mm ID
 Particle Size: 1.8 µm
 Pore Size: 90 Å
 Guard Column: UltraShield UHPLC precolumn filter (cat.# 25809)
 Temp.: 30 °C

Standard/Sample
 Diluent: 25:75 Water:methanol
 Inj. Vol.: 2 µL

Mobile Phase
 A: Water, 5 mM ammonium formate, 0.1% formic acid
 B: Acetonitrile, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	1.0	25	75
4.00	1.0	25	75

Detector UV/Vis @ 228 nm
Instrument UHPLC

Sample Preparation
 1 g of ground hard candy was weighed into a 50 mL centrifuge tube. 5 mL of water was added and the sample was vortexed 30 seconds until the candy completely dissolved. Total volume was brought to 40 mL with IPA and vortexed for an additional 30 seconds. The sample was then centrifuged for 5 minutes at 3000 rpm. The supernatant was diluted 10-fold in 25:75 water:methanol, vortexed briefly, and filtered using a 0.2 µm Thomson SINGLE StEP standard filter vial (cat.#: 25893) prior to analysis.