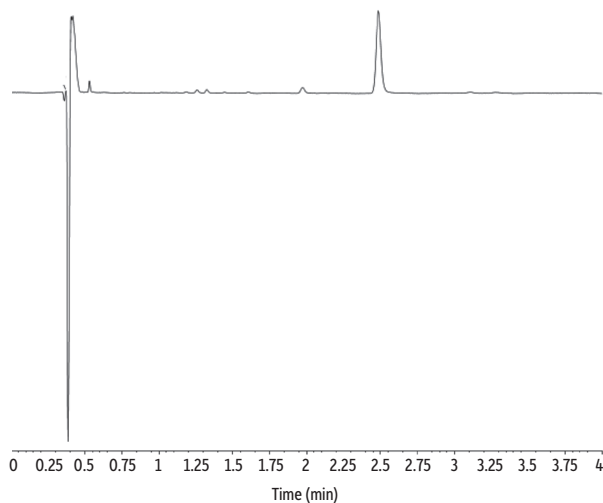


Cannabis Chocolate Sample on Raptor ARC-18 1.8 µm by UHPLC-UV



LC_GN0593

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 2 g of chocolate was weighed into a 50 mL centrifuge tube. The sample was brought to a total volume of 40 mL with IPA. The sample was then sonicated at 40 °C for 5 minutes followed by gentle mixing by hand. This was repeated for an additional two cycles. The sample was stored in a -20 °C freezer for 30 minutes to allow the lipids to precipitate. The sample was then vortexed for 5 seconds followed by centrifugation at 3000 rpm for 5 minutes. 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.