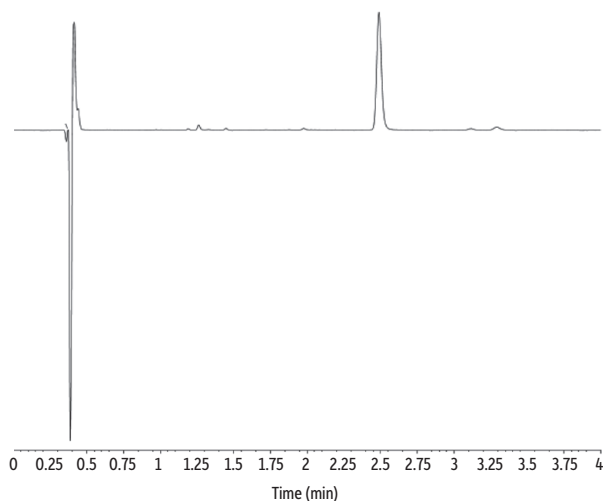


Cannabis Concentrate Sample on Raptor ARC-18 1.8 µm by UHPLC-UV



LC_GN0592

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

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

Notes
20 mg of concentrate was weighed into a 50 mL centrifuge tube. 10 mL of ethanol was added prior to vortexing (5 seconds) and sonicating (5 minutes) over a total of three cycles. The sample was then centrifuged for 5 minutes at 3000 rpm. The supernatant was diluted 50-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.