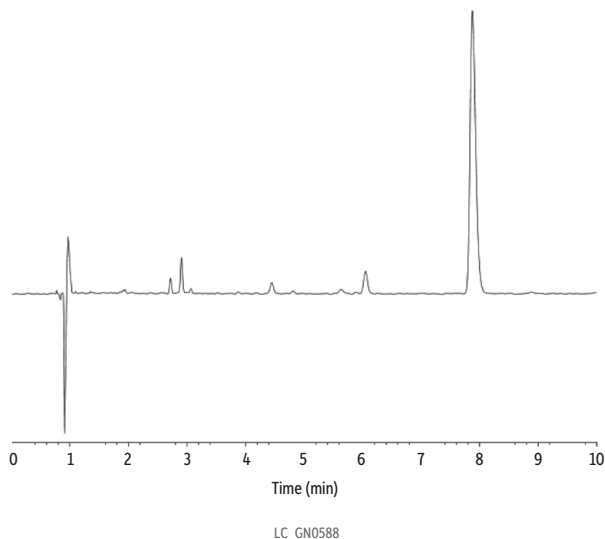


# Cannabis Flower Sample on Raptor ARC-18 2.7 µm by HPLC-UV



Peaks	tr (min)
1. Cannabidiol (CBD)	2.72
2. Cannabigerolic acid (CBGA)	2.90
3. Tetrahydrocannabivarinic acid (THCVA)	4.45
4. Δ9-Tetrahydrocannabinol (Δ9-THC)	6.05
5. Tetrahydrocannabinolic acid A (THCA-A)	7.87

**Column** Raptor ARC-18 (cat.# 9314A65)  
 Dimensions: 150 mm x 4.6 mm ID  
 Particle Size: 2.7 µm  
 Pore Size: 90 Å  
 Guard Column: Raptor ARC-18 EXP guard column cartridge 2.7 µm (cat.# 9314A0250)  
 Temp.: 30 °C

**Sample**  
 Diluent: 25:75 Water:methanol  
 Inj. Vol.: 5 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	1.5	25	75
9.00	1.5	25	75

**Detector** UV/Vis @ 228 nm  
**Instrument** HPLC  
**Notes** 200 mg of ground flower was weighed into a 50 mL centrifuge tube. 10 mL of IPA 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 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.