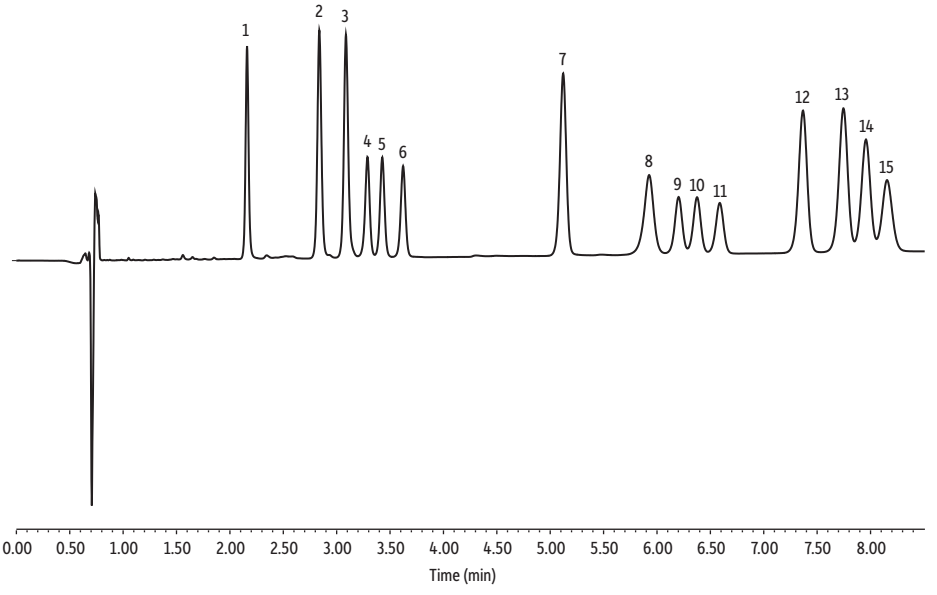
Potency Method for 15 Cannabinoids in Solvent on 150 x 3 mm, 2.7 µm Raptor ARC-18



LC_FF0617

Peaks	t_R (min)
1. Cannabidivarin (CBDV)	2.161
2. Cannabidiolic acid (CBDA)	2.833
3. Cannabigerolic acid (CBGA)	3.087
4. Cannabigerol (CBG)	3.289
5. Cannabidiol (CBD)	3.427
6. Tetrahydrocannabivarin (THCV)	3.622
7. Cannabinol (CBN)	5.121
8. Cannabinolic acid (CBNA)	5.926
9. Exo-Tetrahydrocannabinol (exo-THC)	6.203
10. Δ9-Tetrahydrocannabinol (Δ9-THC)	6.376
11. Δ8-Tetrahydrocannabinol (Δ8-THC)	6.588
12. (6aR,9S)-delta-10-Tetrahydrocannabinol ((6aR,9S)-Δ-10-THC)	7.367
13. (6aR,9R)-delta-10-Tetrahydrocannabinol ((6aR,9R)-Δ-10-THC)	7.746
14. Cannabichromene (CBC)	7.957
15. δ-9-Tetrahydrocannabinolic acid-a (THCA-A)	8.155

Column Raptor ARC-18 (cat.# 9314A6E)
Dimensions: 150 mm x 3.0 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor ARC-18 EXP guard column cartridge 5 mm, 3.0 mm ID, 2.7 µm (cat.# 9314A0253)
Temp.: 30 °C
Standard/Sample Cannabidiol (CBD) (cat.# 34011)
Cannabidiolic acid (CBDA) (cat.# 34094)
d9-Tetrahydrocannabinol (d9-THC) (cat.# 34067)
d8-Tetrahydrocannabinol (d8-THC) (cat.# 34090)
d9-Tetrahydrocannabinolic acid A (THCA-A) (cat.# 34111)
Cannabidivarin (CBDV) (cat.# 34123)
Cannabigerol (CBG) (cat.# 34091)
Tetrahydrocannabivarin (THCV) (cat.# 34100)
Cannabigerolic acid (CBGA) (cat.# 34135)
Cannabinol (CBN) (cat.# 34010)
Cannabichromene (CBC) (cat.# 34092)
Cannabinolic acid (CBNA) (cat.# 34138)
Compounds not present in these mixes were obtained separately.
Diluent: 25:75 Water:acetonitrile
Conc.: 50 ppm
Inj. Vol.: 3 µL

Mobile Phase
A: Water, 6 mM ammonium formate, 0.1% formic acid
B: Acetonitrile, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.8	30	70
8.00	0.8	26	74
8.01	0.8	30	70
10.00	0.8	30	70

Detector UV/Vis @ 228 nm
Flow Cell Size: 500 nL
Instrument Waters ACQUITY UPLC H-Class
Sample Preparation Samples prepared in a 2 mL vial (cat.# 21142) and capped with a short screw cap (cat.# 24498).