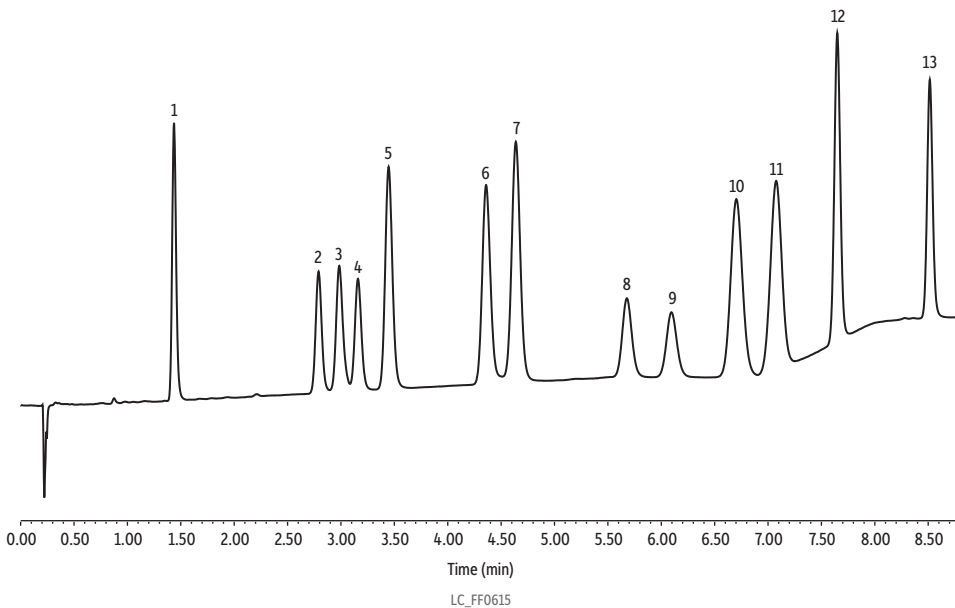


Potency Method for 13 Cannabinoids in Solvent on 50 x 3 mm, 2.7 µm Raptor ARC-18



Peaks	tr (min)
1. Cannabidivarin (CBDV)	1.436
2. Cannabidiol (CBD)	2.790
3. Cannabigerol (CBG)	2.984
4. Tetrahydrocannabivarin (THCV)	3.159
5. Cannabidiolic acid (CBDA)	3.447
6. Cannabigerolic acid (CBGA)	4.359
7. Cannabinol (CBN)	4.638
8. Δ9-Tetrahydrocannabinol (Δ9-THC)	5.678
9. Δ8-Tetrahydrocannabinol (Δ8-THC)	6.095
10. (6aR,9S)-delta-10-Tetrahydrocannabinol ((6aR,9S)-Δ-10-THC)	6.703
11. (6aR,9R)-delta-10-Tetrahydrocannabinol ((6aR,9R)-Δ-10-THC)	7.076
12. Cannabichromene (CBC)	7.648
13. δ-9-Tetrahydrocannabinolic acid-a (THCA-A)	8.515

Mobile Phase			
A: Water, 5 mM ammonium formate, 0.1% formic acid			
B: Methanol, 0.1% formic acid			
Time (min)	Flow (mL/min)	%A	%B
0.00	1	35	65
5.00	1	30	70
6.50	1	30	70
7.50	1	20	80
8.50	1	20	80
8.51	1	35	65
10.00	1	35	65

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).

Column	Raptor ARC-18 (cat.# 9314A5E)
Dimensions:	50 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.:	50 °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) Compounds not present in these mixes were obtained separately.
Diluent:	25:75 Water:acetonitrile
Conc.:	50 ppm
Inj. Vol.:	3 µL