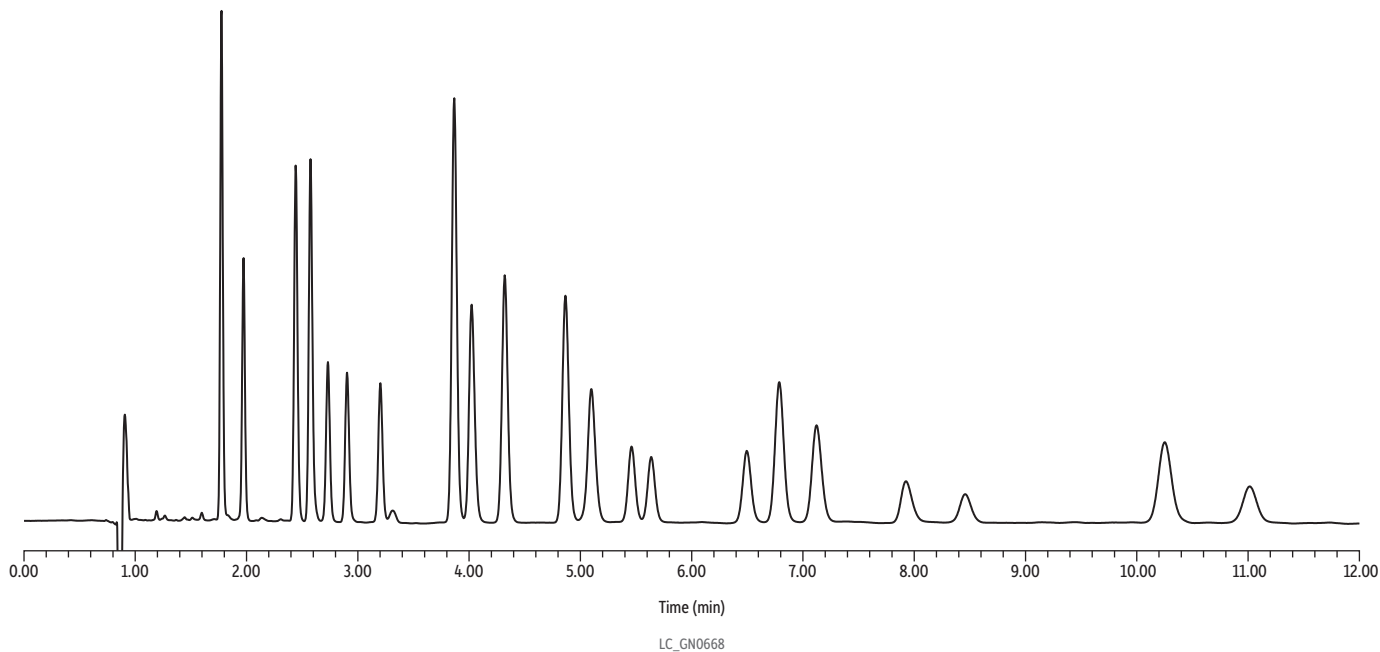


Standard Analysis of 21 Cannabinoids on Raptor ARC-18 2.7 µm by LC-UV

- Baseline resolves 21 cannabinoids.
- Simple, easily transferable isocratic method.



Peaks	tr (min)	Peaks	tr (min)	Peaks	tr (min)
1. Cannabidivarinic acid (CBDVA)	1.775	8. Cannabichromevarin (CBCV)	3.867	15. Cannabicyclol (CBL)	6.496
2. Cannabidivarin (CBDV)	1.973	9. Tetrahydrocannabivarinic acid (THCVA)	4.023	16. Cannabichromene (CBC)	6.788
3. Cannabidiolic acid (CBDA)	2.442	10. Cannabinol (CBN)	4.321	17. Tetrahydrocannabinolic acid A (THCA-A)	7.122
4. Cannabigerolic acid (CBGA)	2.575	11. Cannabidiphorol (CBDP)	4.866	18. Cannabichromenic acid (CBCA)	7.926
5. Cannabigerol (CBG)	2.732	12. Cannabinolic acid (CBNA)	5.099	19. Cannabicyclic acid (CBLA)	8.458
6. Cannabidiol (CBD)	2.904	13. Δ9-Tetrahydrocannabinol (Δ9-THC)	5.460	20. Tetrahydrocannabiphorol (THCP)	10.251
7. Tetrahydrocannabivarin (THCV)	3.203	14. Δ8-Tetrahydrocannabinol (Δ8-THC)	5.637	21. Cannabicitran (CBT)	11.015

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 5 mm, 4.6 mm ID, 2.7 µm (cat.# 9314A0250)
Temp.: 30 °C

Sample Cannabidivarinic acid (CBDVA) (cat.# 34134)
 Cannabidivarin (CBDV) (cat.# 34123)
 Cannabidiolic acid (CBDA) (cat.# 34094)
 Cannabigerolic acid (CBGA) (cat.# 34135)
 Cannabigerol (CBG) (cat.# 34091)
 Cannabidiol (CBD) (cat.# 34011)
 Tetrahydrocannabivarin (THCV) (cat.# 34100)
 Cannabinol (CBN) (cat.# 34010)
 d9-Tetrahydrocannabinol (d9-THC) (cat.# 34067)
 d8-Tetrahydrocannabinol (d8-THC) (cat.# 34090)
 Cannabicyclol (CBL) (cat.# 34130)
 Cannabichromene (CBC) (cat.# 34092)
 d9-Tetrahydrocannabinolic acid A (THCA-A) (cat.# 34111)
 Compounds not present in these mixes were obtained separately.

Diluent: Methanol
Conc.: 50 ppm
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
12	1.5	25	75

Detector Instrument UV/Vis @ 228 nm
UHPLC