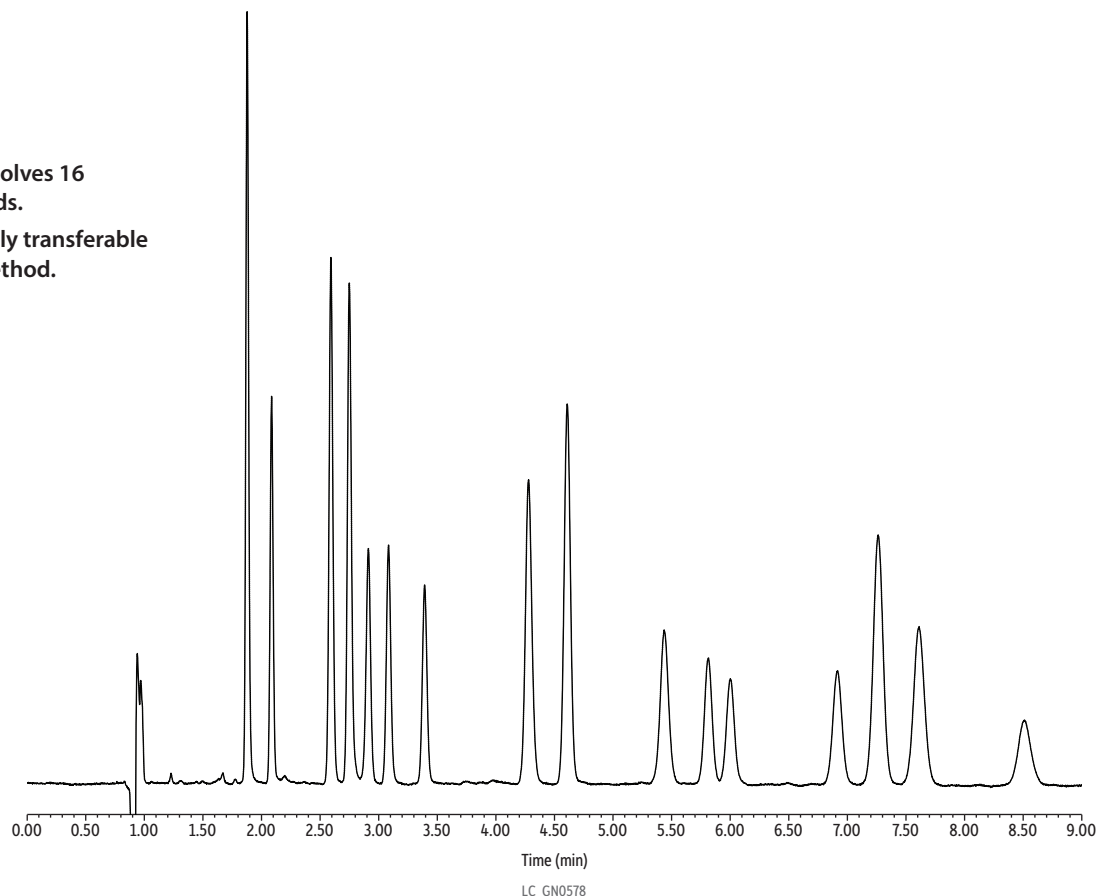


16 Cannabinoids on Raptor ARC-18 2.7 µm by LC-UV

- Baseline resolves 16 cannabinoids.
- Simple, easily transferable isocratic method.



Peaks	tr (min)	Peaks	tr (min)
1. Cannabidivarinic acid (CBDVA)	1.877	9. Cannabinol (CBN)	4.609
2. Cannabidivarin (CBDV)	2.086	10. Cannabinolic acid (CBNA)	5.437
3. Cannabidiolic acid (CBDA)	2.592	11. Δ9-Tetrahydrocannabinol (Δ9-THC)	5.815
4. Cannabigerolic acid (CBGA)	2.750	12. Δ8-Tetrahydrocannabinol (Δ8-THC)	6.002
5. Cannabigerol (CBG)	2.912	13. Cannabicyclol (CBL)	6.916
6. Cannabidiol (CBD)	3.084	14. Cannabichromene (CBC)	7.263
7. Tetrahydrocannabivarin (THCV)	3.391	15. Tetrahydrocannabinolic acid A (THCA-A)	7.612
8. Tetrahydrocannabivarinic acid (THCVA)	4.279	16. Cannabichromenic acid (CBCA)	8.510

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 Tetrahydrocannabivarin (cat.# 34100)
 Cannabidiolic acid (CBDA) (cat.# 34094)
 Cannabichromene (CBC) (cat.# 34092)
 Cannabigerol (CBG) (cat.# 34091)
 delta-9-Tetrahydrocannabinolic acid A (THCA-A) (cat.# 34093)
 delta-8-Tetrahydrocannabinol (Δ8-THC) (cat.# 34090)
 delta-9-Tetrahydrocannabinol (Δ9-THC) (cat.# 34067)
 Cannabinol (CBN) (cat.# 34010)
 Cannabidiol (CBD) (cat.# 34011)
 Compounds not present in these mixes were obtained separately.

Diluent: 25:75 Water:methanol
Conc.: 50 µg/mL
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