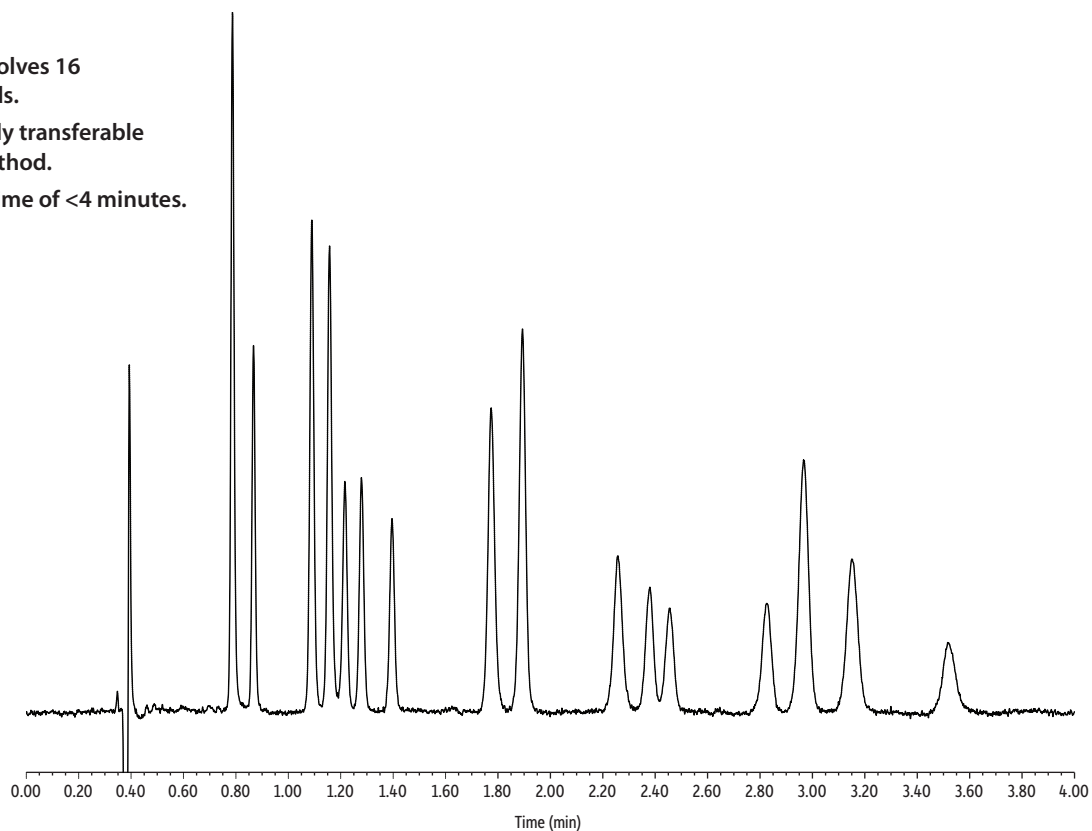


16 Cannabinoids on Raptor ARC-18 1.8 µm by LC-UV

- Baseline resolves 16 cannabinoids.
- Simple, easily transferable isocratic method.
- Total cycle time of <4 minutes.



LC_GN0579

Peaks	tr (min)	Peaks	tr (min)
1. Cannabidiol (CBD)	0.787	9. Cannabinol (CBN)	1.894
2. Cannabidiol (CBD)	0.867	10. Cannabinol (CBN)	2.257
3. Cannabidiol (CBD)	1.090	11. Δ9-Tetrahydrocannabinol (Δ9-THC)	2.380
4. Cannabigerolic acid (CBGA)	1.157	12. Δ8-Tetrahydrocannabinol (Δ8-THC)	2.456
5. Cannabigerol (CBG)	1.216	13. Cannabicyclol (CBL)	2.826
6. Cannabidiol (CBD)	1.279	14. Cannabichromene (CBC)	2.966
7. Tetrahydrocannabivarin (THCV)	1.396	15. Tetrahydrocannabinolic acid A (THCA-A)	3.150
8. Tetrahydrocannabivarinic acid (THCVA)	1.774	16. Cannabichromenic acid (CBCA)	3.516

Column Raptor ARC-18 (cat.# 931421E)
Dimensions: 100 mm x 3.0 mm ID
Particle Size: 1.8 µm
Pore Size: 90 Å
Guard Column: UltraShield UHPLC precolumn filter, 0.2 µm frit (cat.# 25809)
Temp.: 30 °C
Sample Tetrahydrocannabivarin (cat.# 34100)
 Cannabidiol (CBD) (cat.# 34099)
 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.: 1 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	1.0	25	75
4.00	1.0	25	75

Detector UV/Vis @ 228 nm
Instrument UHPLC