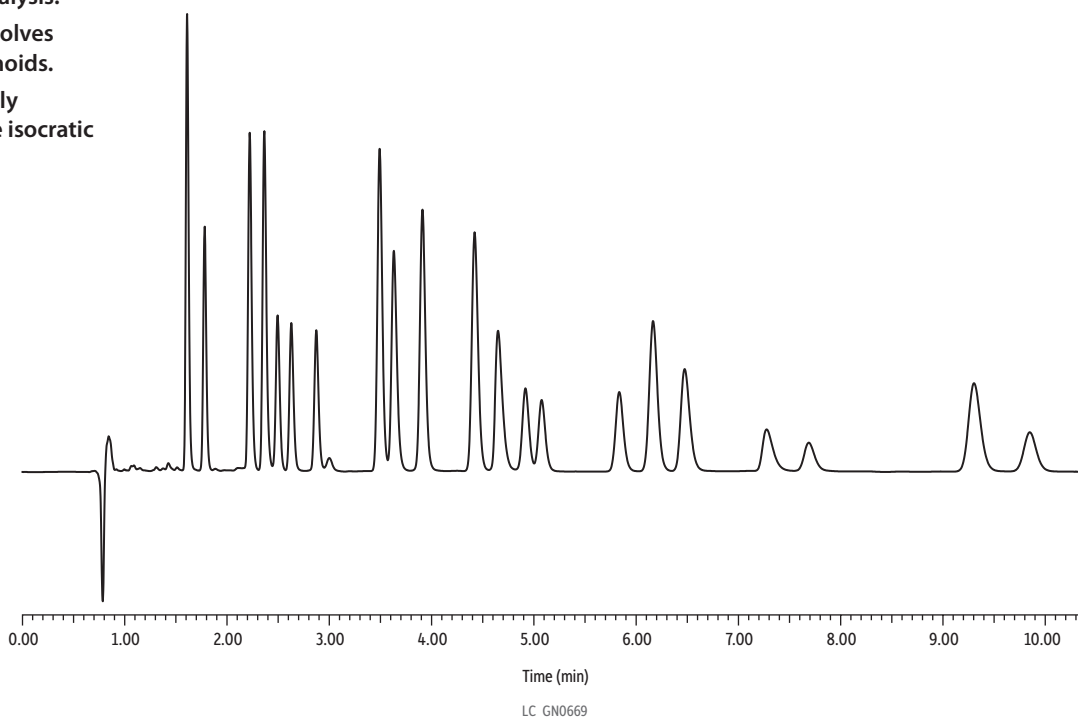


Solvent Savings Analysis of 21 Cannabinoids on Raptor ARC-18 2.7 µm by LC-UV

- Only 3 mL of acetonitrile used per analysis.
- Baseline resolves 21 cannabinoids.
- Simple, easily transferable isocratic method.



Peaks	tr (min)	Peaks	tr (min)	Peaks	tr (min)
1. Cannabidivarinic acid (CBDVA)	1.610	8. Cannabichromevarin (CBCV)	3.492	15. Cannabicyclol (CBL)	5.835
2. Cannabidivarin (CBDV)	1.781	9. Tetrahydrocannabivarinic acid (THCVA)	3.631	16. Cannabichromene (CBC)	6.166
3. Cannabidiolic acid (CBDA)	2.222	10. Cannabinol (CBN)	3.911	17. Tetrahydrocannabinolic acid A (THCA-A)	6.475
4. Cannabigerolic acid (CBGA)	2.364	11. Cannabidiphorol (CBDP)	4.421	18. Cannabichromenic acid (CBCA)	7.276
5. Cannabigerol (CBG)	2.495	12. Cannabinolic acid (CBNA)	4.650	19. Cannabicyclic acid (CBLA)	7.688
6. Cannabidiol (CBD)	2.629	13. Δ9-Tetrahydrocannabinol (Δ9-THC)	4.918	20. Tetrahydrocannabiphorol (THCP)	9.304
7. Tetrahydrocannabivarin (THCV)	2.873	14. Δ8-Tetrahydrocannabinol (Δ8-THC)	5.076	21. Cannabicitran (CBT)	9.849

Column Raptor ARC-18 (cat.# 9314A62)
Dimensions: 150 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor ARC-18 5 mm, 2.1 mm ID, 2.7 µm (cat.# 9314A0252)
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.: 2 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	0.4	25	75
11.00	0.4	25	75

Detector UV/Vis @ 228 nm
Instrument UHPLC

