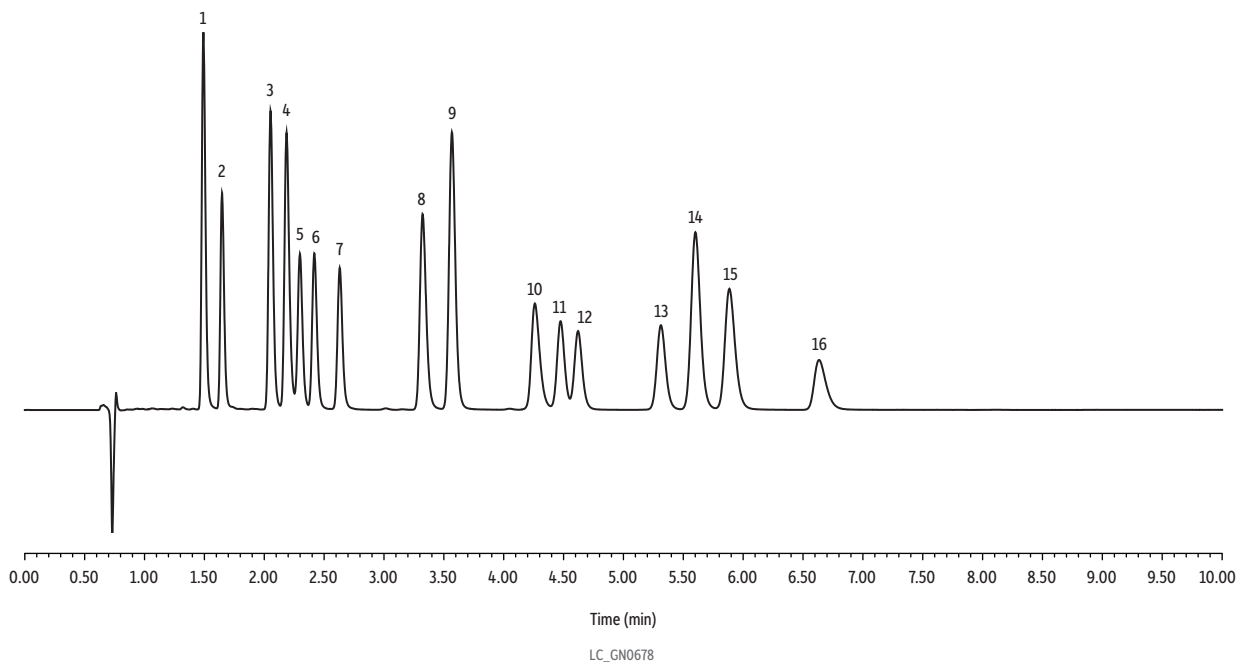


Solvent-Savings Analysis of Cannabinoid Acids and Neutrals Standards on Raptor ARC-18 2.7 µm by LC-UV

- New cannabinoid acids and neutrals mixes for potency testing
- Simplify lab operations, eliminate preparation errors, and achieve a more comprehensive cannabinoid characterization.



Peaks	t _R (min)	Conc. (µg/mL)	Peaks	t _R (min)	Conc. (µg/mL)
1. Cannabidivarinic acid (CBDVA)	1.500	50	9. Cannabinol (CBN)	3.570	50
2. Cannabidivarin (CBDV)	1.650	50	10. Cannabinolic acid (CBNA)	4.270	50
3. Cannabidiolic acid (CBDA)	2.060	50	11. Delta-9-Tetrahydrocannabinol (Δ9-THC)	4.480	50
4. Cannabigerolic acid (CBGA)	2.195	50	12. Delta-8-Tetrahydrocannabinol (Δ8-THC)	4.630	50
5. Cannabigerol (CBG)	2.305	50	13. Cannabicyclol (CBL)	5.320	50
6. Cannabidiol (CBD)	2.420	50	14. Cannabichromene (CBC)	5.605	50
7. Tetrahydrocannabivarin (THCV)	2.635	50	15. Tetrahydrocannabinolic acid A (THCA-A)	5.890	50
8. Tetrahydrocannabivarinic acid (THCVA)	3.330	50	16. Cannabichromenic acid (CBCA)	6.650	50

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

Standard/Sample Cannabinoids acids 7 standard (cat.# 34144)
 Cannabinoids neutrals 9 standard (cat.# 34132)
 Diluent: Acetonitrile
 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
10.00	0.4	25	75

Detector UV/Vis @ 228 nm
Instrument UHPLC

Sample Preparation Standards were aliquoted into 2 mL, screw-thread vials (cat.# 21143) and capped with short-cap, screw-vial closures (cat.# 24498).