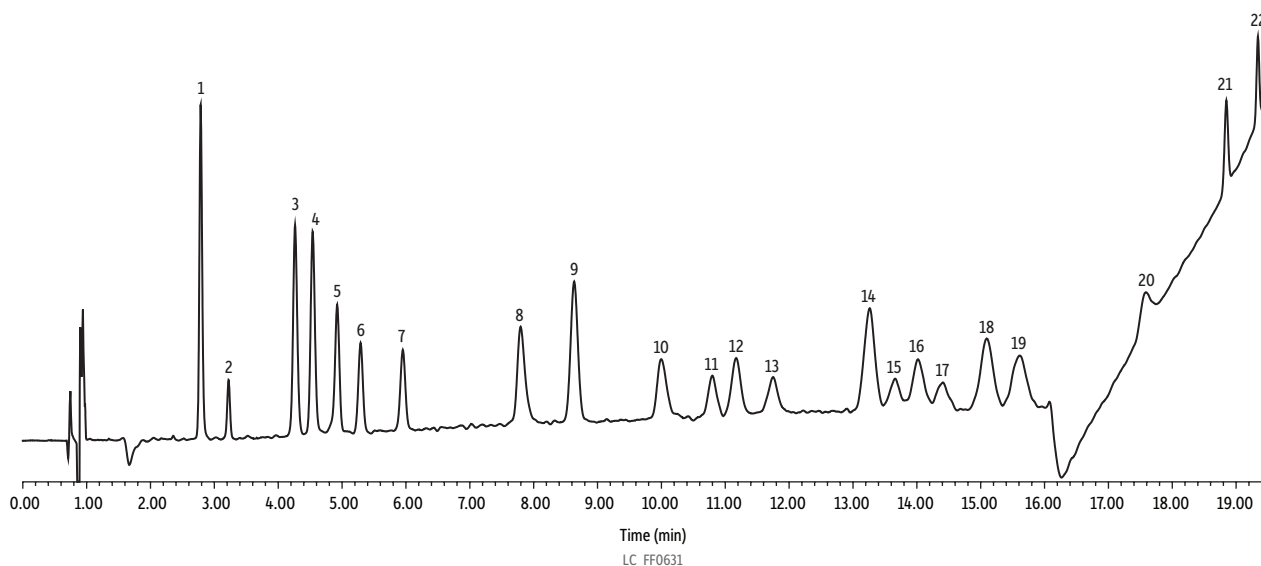


22 Cannabinoids on Ultra C18 by LC-UV/VIS



Peaks	tr (min)	Peaks	tr (min)
1. Cannabidiol (CBD)	2.79	12. d9-Tetrahydrocannabinol (9-THC)	11.17
2. Cannabidiol (CBDV)	3.22	13. d8-Tetrahydrocannabinol (8-THC)	11.75
3. Cannabidiolic acid (CBDA)	4.26	14. (6aR,9S)-delta-10-Tetrahydrocannabinol (9S-10-THC)	13.26
4. Cannabigerolic acid (CBGA)	4.54	15. 9(R)-Hexahydrocannabinol (9(R)-HHC)	13.66
5. Cannabigerol (CBG)	4.92	16. (6aR,9R)-delta-10-Tetrahydrocannabinol (9R-10-THC)	14.02
6. Cannabidiol (CBD)	5.29	17. 9(S)-Hexahydrocannabinol (9(S)-HHC)	14.41
7. Tetrahydrocannabivarin (THCV)	5.95	18. Cannabichromene (CBC)	15.09
8. Tetrahydrocannabivarinic acid (THCVA)	7.80	19. 9-Tetrahydrocannabinolic acid-A (THCA)	15.62
9. Cannabinol (CBN)	8.64	20. Cannabichromenic acid (CBCA)	17.57
10. Cannabinolic acid (CBNA)	10.00	21. 9-Tetrahydrocannabiphorol (THCP)	18.85
11. Exo-tetrahydrocannabinol (exo-THC)	10.80	22. 9-Tetrahydrocannabinol Acetate (THCO-Acetate)	19.34

Column Ultra C18 (cat.# 9174365)
Dimensions: 150 mm x 4.6 mm ID
Particle Size: 3 µm
Pore Size: 100 Å
Guard Column: UltraShield UHPLC precolumn filter, 0.2 µm frit (cat.# 25810)
Temp.: 30 °C
Standard/Sample Cannabinoids acids 7 standard (cat.# 34144)
 Other standards were obtained separately.
Diluent: 25:75 Water:acetonitrile
Conc.: 50 ppm
Inj. Vol.: 5 µL
Mobile Phase
 A: Water:acetonitrile (25:75), 2.5 mM ammonium formate, 0.1% formic acid
 B: Methanol, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	1.5	100	0
10.00	1.5	90	10
14.00	1.5	90	10
19.00	1.5	0	100
19.01	1.5	100	0
21.00	1.5	100	0

Max Pressure: 269 bar
Detector UV/Vis @ 228 nm
Flow Cell Size: 500 nL
Instrument Waters ACQUITY UPLC H-Class
Sample Preparation Standards were aliquoted into 2 mL, screw-thread vials (cat.# 21143) and capped with short-cap, screw-vial closures (cat.# 24498).