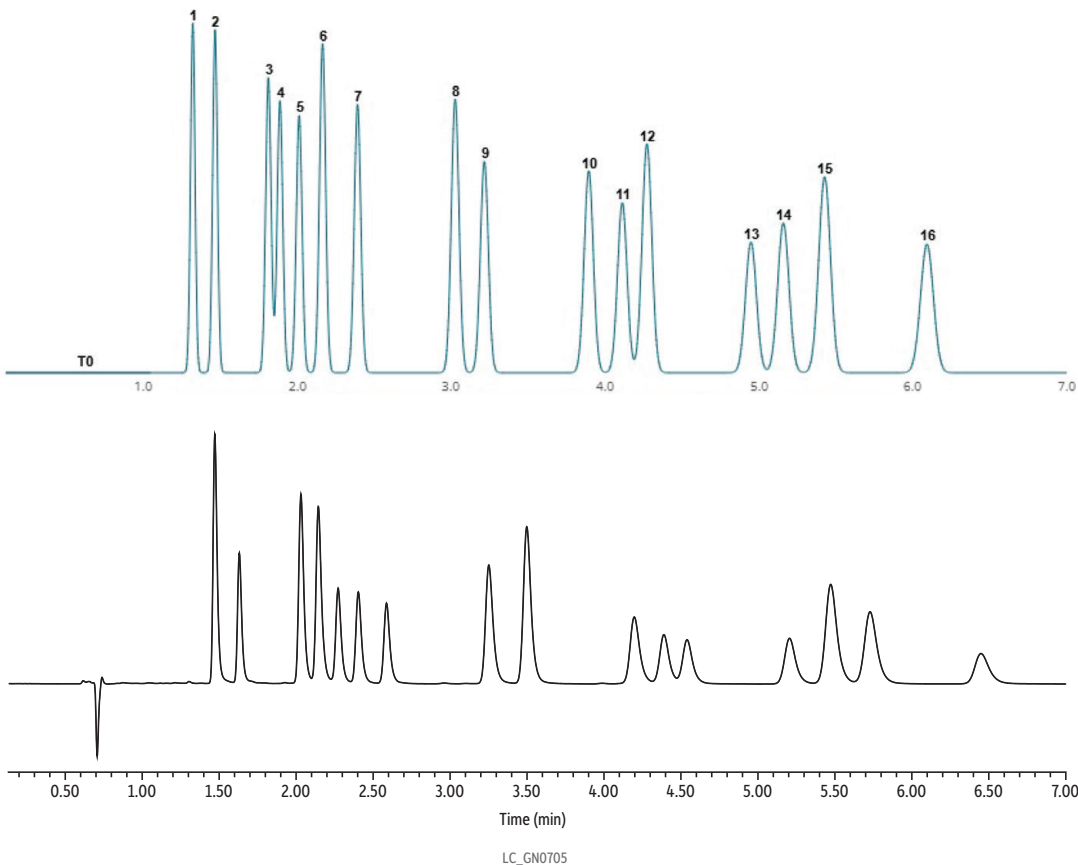


Pro EZLC Comparison—DCC Method



Peaks	Experimental tr	Modeled tr	Difference (sec)	Run Time Difference (%)	USP Resolution
1. Cannabidivarinic acid (CBDVA)	1.47	1.32	9.12	2.2	
2. Cannabidivarin (CBDV)	1.63	1.46	10.26	2.4	3.2
3. Cannabidiolic acid (CBDA)	2.03	1.81	13.26	3.2	7.1
4. Cannabigerolic acid (CBGA)	2.14	1.89	15.24	3.6	1.7
5. Cannabigerol (CBG)	2.27	2.01	15.78	3.8	1.9
6. Cannabidiol (CBD)	2.40	2.16	14.64	3.5	1.9
7. Tetrahydrocannabivarin (THCV)	2.59	2.39	11.82	2.8	2.6
8. Tetrahydrocannabivarinic acid (THCVA)	3.25	3.02	13.92	3.3	8.1
9. Cannabinol (CBN)	3.50	3.21	17.28	4.1	2.6
10. Cannabinolic acid (CBNA)	4.20	3.89	18.42	4.4	6.6
11. Δ9-Tetrahydrocannabinol (Δ9-THC)	4.39	4.11	16.74	4.0	1.6
12. Δ8-Tetrahydrocannabinol (Δ8-THC)	4.54	4.27	16.20	3.9	1.3
13. Cannabicyclol (CBL)	5.21	4.95	15.30	3.6	5.2
14. Cannabichromene (CBC)	5.47	5.16	18.78	4.5	1.9
15. Tetrahydrocannabinolic acid A (THCA-A)	5.73	5.43	17.88	4.3	1.7
16. Cannabichromenic acid (CBCA)	6.45	6.09	21.54	5.1	4.4

Column	Raptor ARC-18 (cat.# 9314A62)		
Dimensions:	150 mm x 2.1 mm ID		
Particle Size:	2.7 μm		
Pore Size:	90 Å		
Temp.:	35 °C		
Standard/Sample	Cannabinoids acids 7 standard, 1000 μg/mL, acetonitrile with 1% DIPEA and 0.05% ascorbic acid (cat.# 34144) Cannabinoids neutrals 9 standard, 1000 μg/mL, P&T methanol, 1 mL/ampul (cat.# 34132)		
Diluent:	Acetonitrile		
Conc.:	50 ppm		
Inj. Vol.:	2 μL		
Mobile Phase			
A:	Water, 3 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
7.00	0.4	25	75
7.01	0.4	0	100
9.00	0.4	0	100
9.01	0.4	25	75
12.00	0.4	25	75
Detector	UV/Vis @ 228 nm		
Flow Cell Size:	500 nL		
Instrument	Waters ACQUITY UPLC H-Class		
Sample Preparation	Working standard was prepared in a 2 mL, 9 mm amber vial (cat. 21142) by diluting 50 μL of each standard into 900 μL acetonitrile and capped with a 9 mm short screw cap (cat. 24497).		