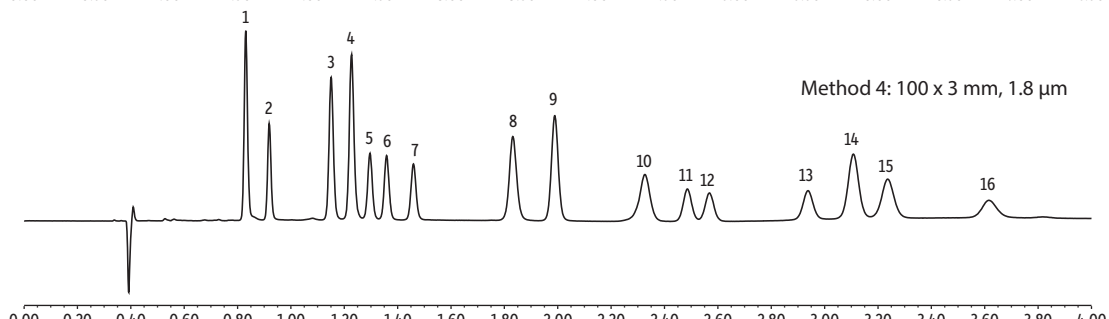
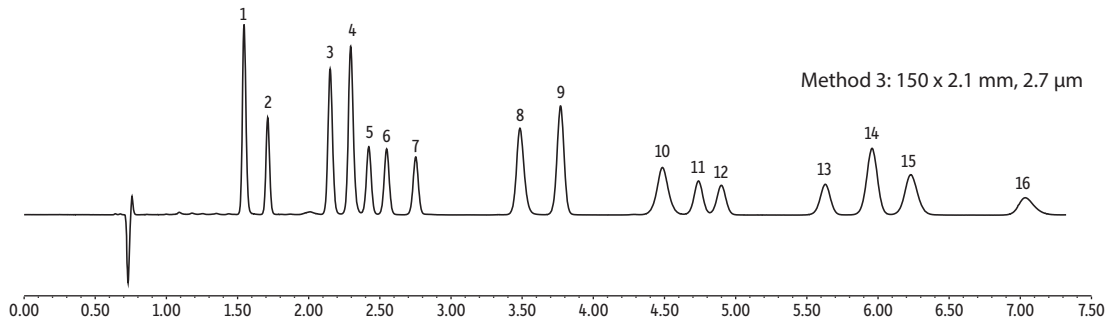
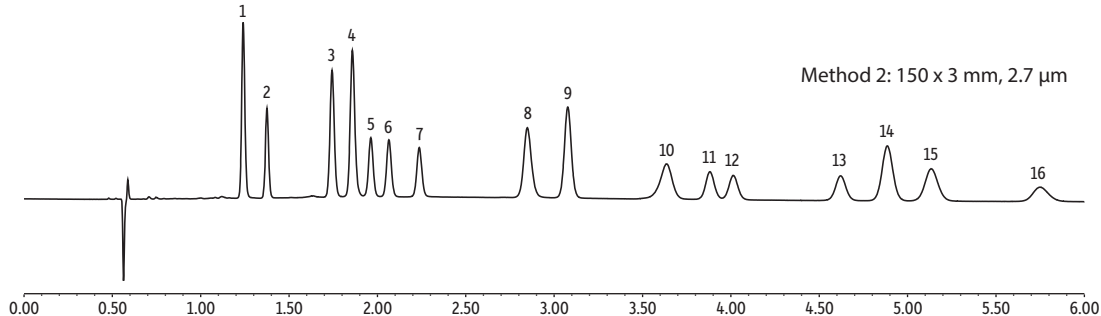
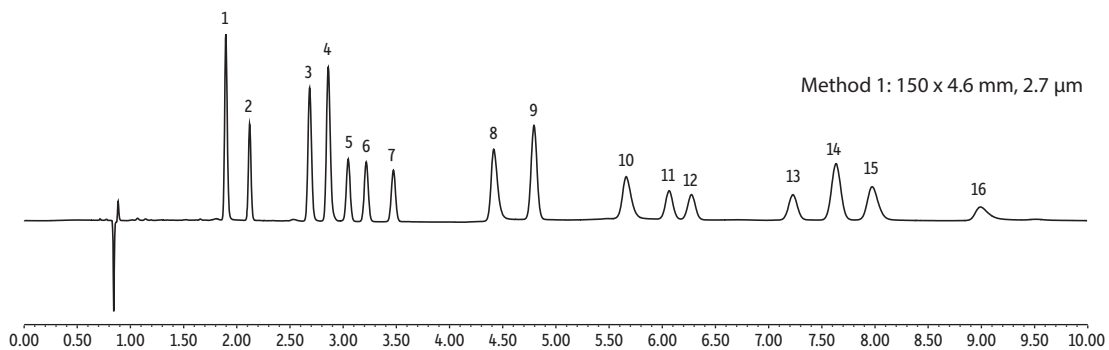


ECV Effects on Potency Methods: 16 Cannabinoids with 500 nL Flow Cell and 4 µL Post-Column Tubing



Time (min)

LC_FF0589

Peaks	tr (min)	Conc. (µg/mL)	Column Temp.: 30 °C	Notes
1. Cannabidivarinic acid (CBDVA)	1.897	50	Sample	Method 1 Column: Raptor ARC-18; 150 x 4.6 mm, 2.7 µm (cat.# 9314-A65) Flow: 1.5 mL/min; isocratic, 9 min Injection volume: 5 µL Method 2 Column: Raptor ARC-18; 150 x 3 mm, 2.7 µm (cat.# 9314-A6E) Flow: 1.0 mL/min; isocratic, 6 min Injection volume: 2 µL Method 3 Column: Raptor ARC-18; 150 x 2.1 mm, 2.7 µm (cat.# 9314-A62) Flow: 0.4 mL/min; isocratic, 10 min Injection volume: 2 µL Method 4 Column: Raptor ARC-18; 100 x 3 mm, 1.8 µm (cat.# 9314-A21E) Flow: 1.0 mL/min; isocratic, 4 min Injection volume: 1 µL
2. Cannabidivarin (CBDV)	2.121	50	Diluent: 25:75 Water:acetonitrile	
3. Cannabidiolic acid (CBDA)	2.685	50	Mobile Phase Water, 5 mM ammonium formate, 0.1% formic acid:Acetonitrile, 0.1% formic acid (25:75)	
4. Cannabigerolic acid (CBGA)	2.860	50	Flow: 0.4-1.5 mL/min	
5. Cannabigerol (CBG)	3.047	50	Detector UV/Vis @ 228 nm	
6. Cannabidiol (CBD)	3.217	50	Instrument HPLC	
7. Tetrahydrocannabivarin (THCV)	3.472	50		
8. Tetrahydrocannabivarinic acid (THCVA)	4.416	50		
9. Cannabinol (CBN)	4.794	50		
10. Cannabinolic acid (CBNA)	5.661	50		
11. Δ9-Tetrahydrocannabinol (Δ9-THC)	6.064	50		
12. Δ8-Tetrahydrocannabinol (Δ8-THC)	6.275	50		
13. Cannabicyclol (CBL)	7.228	50		
14. Cannabichromene (CBC)	7.634	50		
15. Tetrahydrocannabinolic acid A (THCA-A)	7.973	50		
16. Cannabichromenic acid (CBCA)	8.992	50		

Retention times are for top chromatogram (Method 1).



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