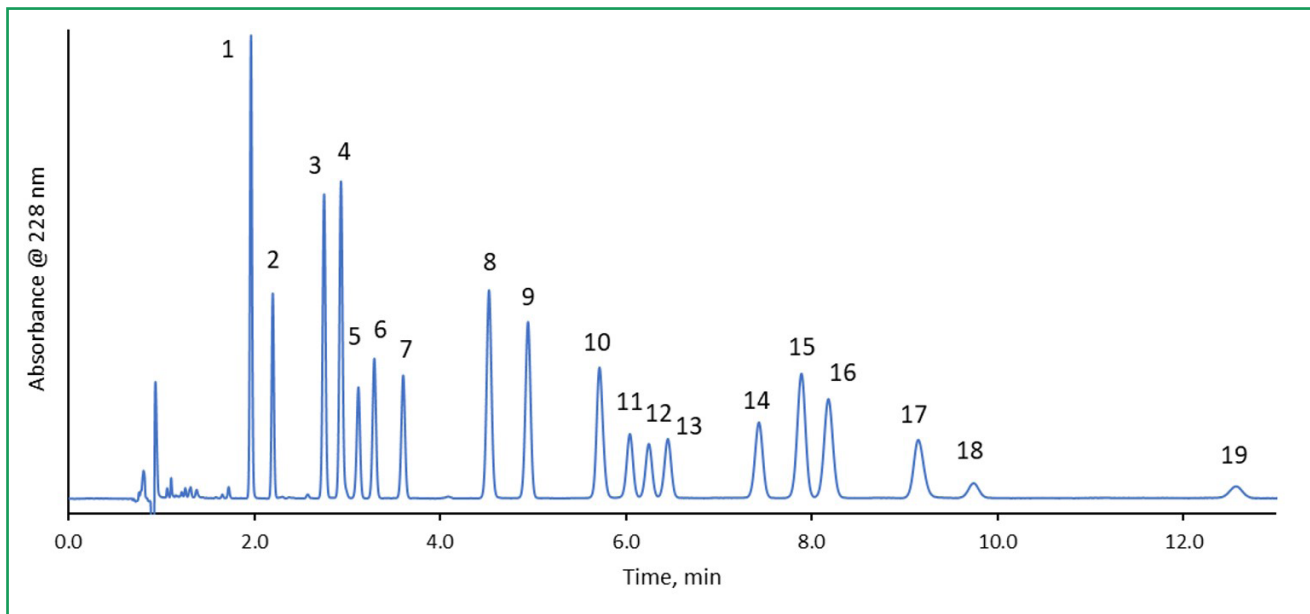




## Separation of 19 Cannabinoids using HALO® LPH-C18

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### TEST CONDITIONS:

Column: HALO 90 Å LPH-C18, 2.7  $\mu$ m, 4.6 x 150 mm

Part Number: 92824-716

Mobile Phase A: 5 mM Ammonium Formate, 0.1% Formic Acid

Mobile Phase B: Acetonitrile, 0.05% Formic Acid

Isocratic: 75 %B

Flow Rate: 1.5 mL/min

Pressure: 232 bar

Temperature: 30 °C

Detection: PDA, UV: 228 nm

Injection Volume: 1  $\mu$ L

Sample Solvent: 75/25 MeOH/ Water

Data Rate: 100 Hz

Response Time: 0.025 sec.

Flow Cell: 1  $\mu$ L

LC System: Shimadzu Nexera X2

### PEAK IDENTITIES:

1. Cannabidivarinic acid (CBDVA)
2. Cannabidivarin (CBDV)
3. Cannabidiolic acid (CBDA)
4. Cannabigerolic acid (CBGA)
5. Cannabigerol (CBG)
6. Cannabidiol (CBD)
7. Tetrahydrocannabivarin (THCV)
8. Tetrahydrocannabivarinic acid (THCVA)
9. Cannabinol (CBN)
10. Cannabinolic acid (CBNA)
11. Exo-tetrahydrocannabinol (EXO-THC)
12. delta 9- Tetrahydrocannabinol (D9-THC)
13. delta 8- Tetrahydrocannabinol (D8-THC)
14. Cannabicycol (CBL)
15. Cannabichromene (CBC)
16. Tetrahydrocannabinolic acid A (THCA-A)
17. Cannabichromenic acid (CBCA)
18. Cannabicyclic acid (CBLA)
19. Cannabitriol (CBT)

A HALO® LPH-C18 column is used to separate a mixture of nineteen cannabinoids, showing fast results and high resolution within critical pairs. Cannabinoids are a class of chemical compounds primarily found in the marijuana plant. Many of these compounds have been found to provide medicinal benefits such as reduction in pain and inflammation.

