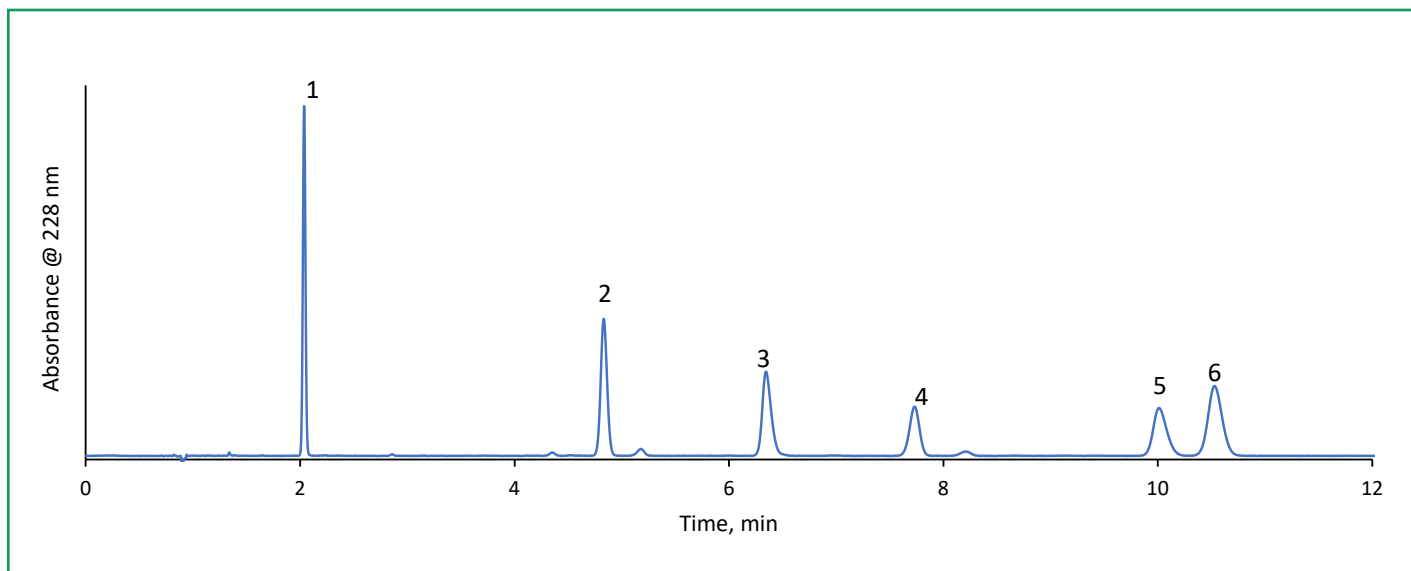




## 6 Cannabinoid Separation using HALO® LPH-C18

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### TEST CONDITIONS:

**Column:** HALO 90 Å LPH-C18, 2.7 µm, 4.6 x 150 mm

**Part Number:** 92824-716

**Mobile Phase:**

A: 5 mM Ammonium Formate, 0.1% Formic Acid

B: Acetonitrile, 0.1% Formic Acid

**Isocratic:** 75% B

**Flow Rate:** 1.5 mL/min

**Pressure:** 345 bar

**Temperature:** 30 °C

**Injection Volume:** 1.0 µL

**Sample:** LGC DRE-A50000257AL

**Sample Solvent:** 75/25 Acetonitrile/ Water

**LC System:** Shimadzu Nexera X2

### PEAK IDENTITIES:

1. Cannabidivarinic Acid (CBDVA)
2. Delta 9 tetrahydrocannabivarinic Acid (THCVA)
3. Cannabinolic Acid (CBNA)
4. Cannabicyclol (CBL)
5. (+/-) Cannabichromenic Acid (CBCA)
6. (+/-) rac-cannabicyclolic Acid (CBLA)



A HALO® LPH-C18 column is used to separate a mixture of six cannabinoids, showing fast results and high resolution for 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.

