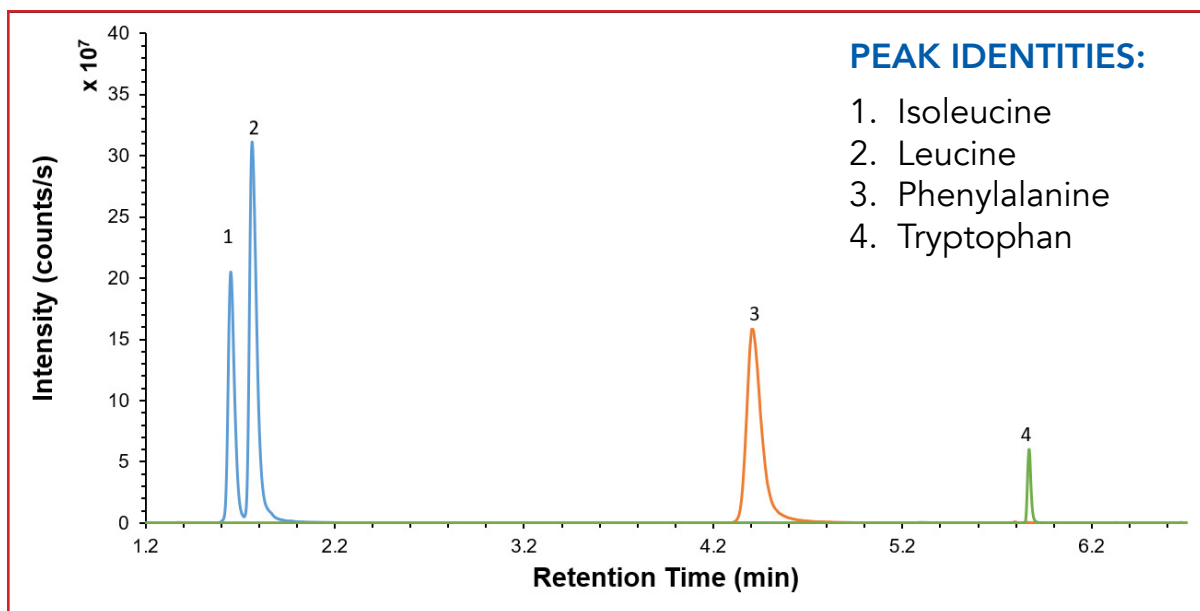




## A Reversed Phase Separation of Polar Metabolites Using the HALO® 1.5 mm ID AQ-C18 Column

324



### TEST CONDITIONS:

**Column:** HALO 90 AQ-C18, 2.7  $\mu$ m 1.5 x 150 mm

**Part Number:** 9281X-722

**Mobile Phase A:** 8 mM ammonium formate, pH 4.0 (aq.), in 50:50 acetonitrile:water

**Mobile Phase B:** 8 mM ammonium formate, pH 4.0 (aq.), in 95:5 acetonitrile:water

Gradient: Time	%B
0.0	0
1.5	0
12.0	95
14.0	95

**Flow Rate:** 0.2 mL/min

**Temperature:** 35 °C

**Injection Volume:** 1  $\mu$ L

**Sample Solvent:** 98/2 5mM ammonium acetate/methanol

**LC System:** Shimadzu Nexera X2

### MS CONDITIONS:

**System:** ThermoFisher Q Exactive HF Hybrid Orbitrap

**Spray Voltage (kV):** 3.5

**Capillary Temperature:** 350 °C

**Sheath gas:** 40

**Aux gas:** 15

**RF lens:** 40

Metabolites from a yeast extract were separated using a HALO® 1.5 mm ID 90 Å AQ-C18, 2.7  $\mu$ m column. The isomers leucine and isoleucine are baseline resolved by the use of an isocratic hold at 0% B enabled by the 100% aqueous compatibility of the HALO® AQ-C18 phase. By using a 1.5 mm ID column, 50% less solvent is used compared to running on a 2.1 mm ID column.

