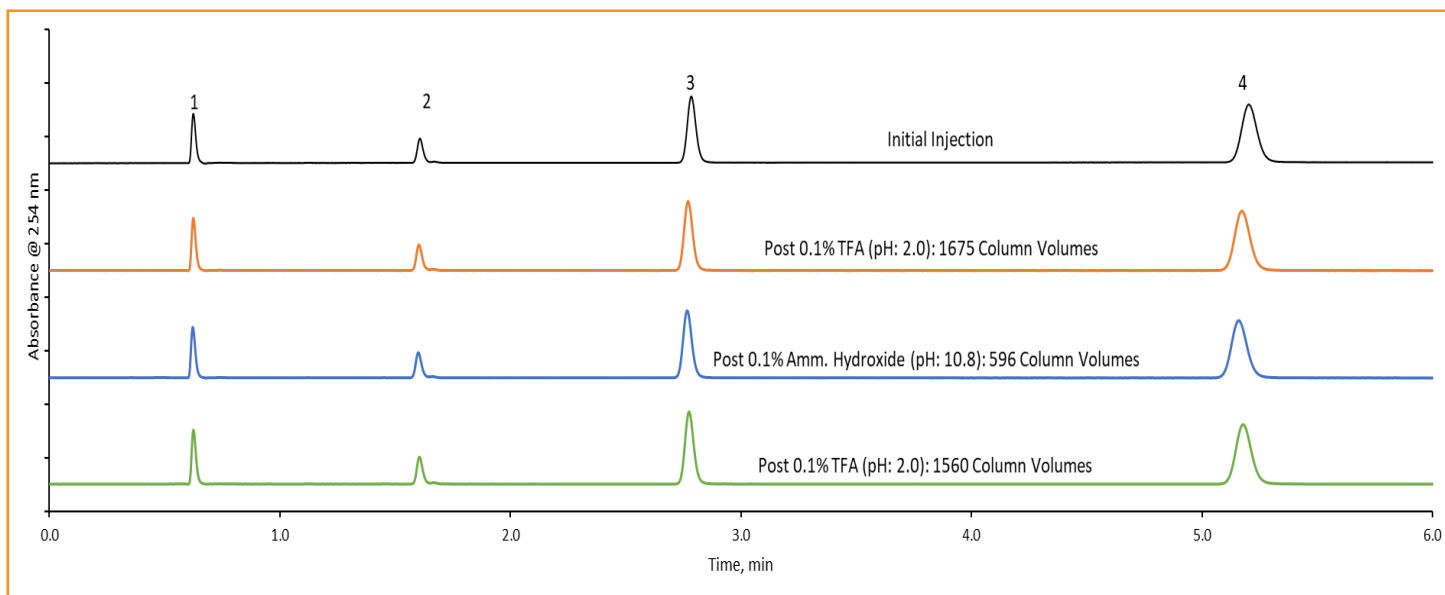




Low and High pH HALO® Elevate Column Stability

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TEST CONDITIONS:

Column: HALO 120 Å Elevate C18, 2 μm , 2.1 x 100 mm
 Part Number: 91272-602
 Mobile Phase A: Water
 Mobile Phase B: Acetonitrile
 Isocratic: 80% B
 Flow Rate: 0.3 mL/min
 Back Pressure: 238 bar
 Temperature: 30 °C
 Injection: 0.5 μL
 Sample Solvent: 20/80 Water/ACN
 Wavelength: PDA, 254 nm
 Flow Cell: 0.1 μL
 Data Rate: 100 Hz
 Response Time: 0.05 sec.
 LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Uracil
2. Pyrene
3. Decanophenone
4. Dodecanophenone

HALO® Elevate C18, 2 μm is not only stable under high pH conditions, but it can also be run under acidic conditions. Adjusting the pH of your mobile phase is a great way to alter selectivity during method development. A mixture of neutral compounds were separated before/after flushing the column with low pH mobile phases (0.1% TFA, pH: 2) and high pH mobile phases (0.1% ammonium hydroxide, pH: 10.8) showing excellent column stability and the ability to cycle the column back and forth between high and low pH mobile phase conditions.

