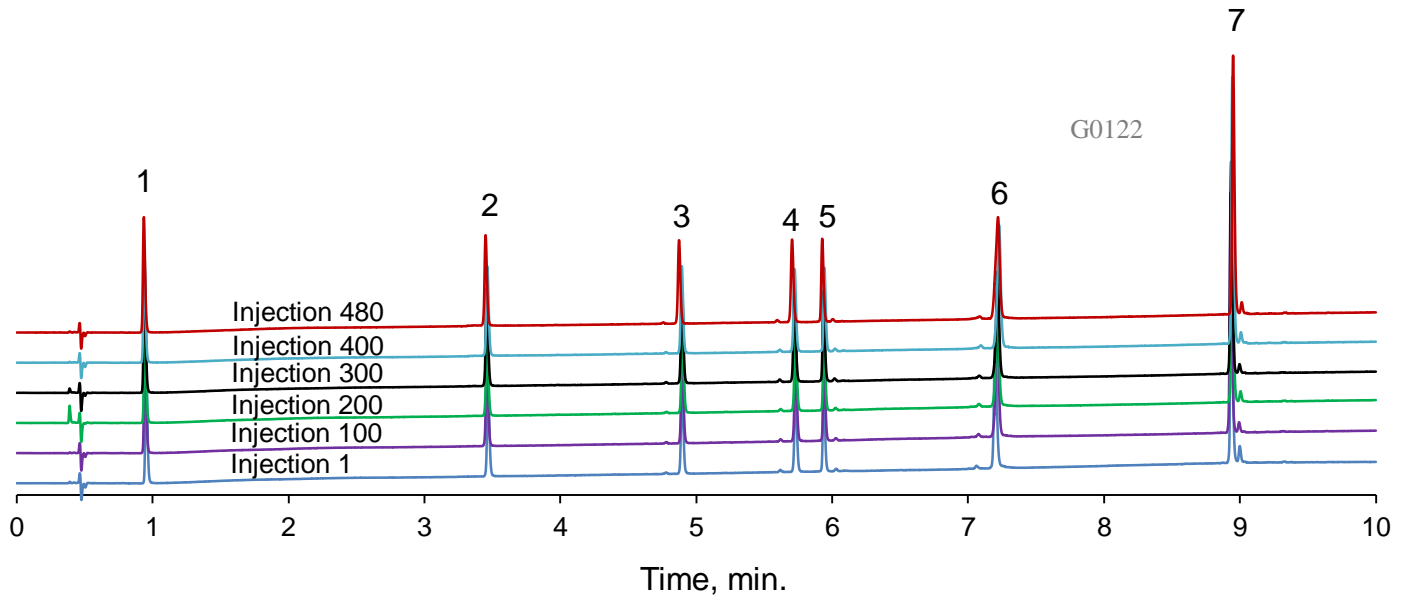


High Temperature/Low pH Stability with HALO 2 Peptide ES-C18



TEST CONDITIONS:

Column:

2.1 x 100 mm, HALO 2 Peptide ES-C18, 2 µm
Part Number: 91122-602

Mobile Phase:

A = 0.1% Trifluoroacetic acid in water
B = 0.1% Trifluoroacetic acid in 80/20 acetonitrile/water
Flow Rate: 0.5 mL/min.
Gradient: 6% B to 54% B in 10 min
Initial pressure: 395 bar
Maximum pressure: 417 bar
Temperature: 60 °C
Detection: UV 215 nm, PDA
Injection Volume: 0.5 µL
Sample Solvent: mobile phase A
Response Time: 0.025 sec.
Data Rate: 40 Hz
LC System: Shimadzu Nexera X2
Flow Cell: 1 µL

PEAK IDENTITIES

1. Gly-Tyr
2. Val-Tyr-Val
3. Met-enkephalin
4. Angiotensin II
5. Leu-enkephalin
6. Ribonuclease A
7. Bovine Insulin

MW (g/mol)

- 238
- 380
- 574
- 1046
- 556
- 13,700
- 5733

The sterically-protected C18 phase on the HALO 2 Peptide column enables high temperature stability with low pH mobile phases. The replicate injections were stopped at injection 480 (15,500 column volumes). The column is expected to have a lifetime of ~ 1000 injections, depending on the type of sample and conditions used.