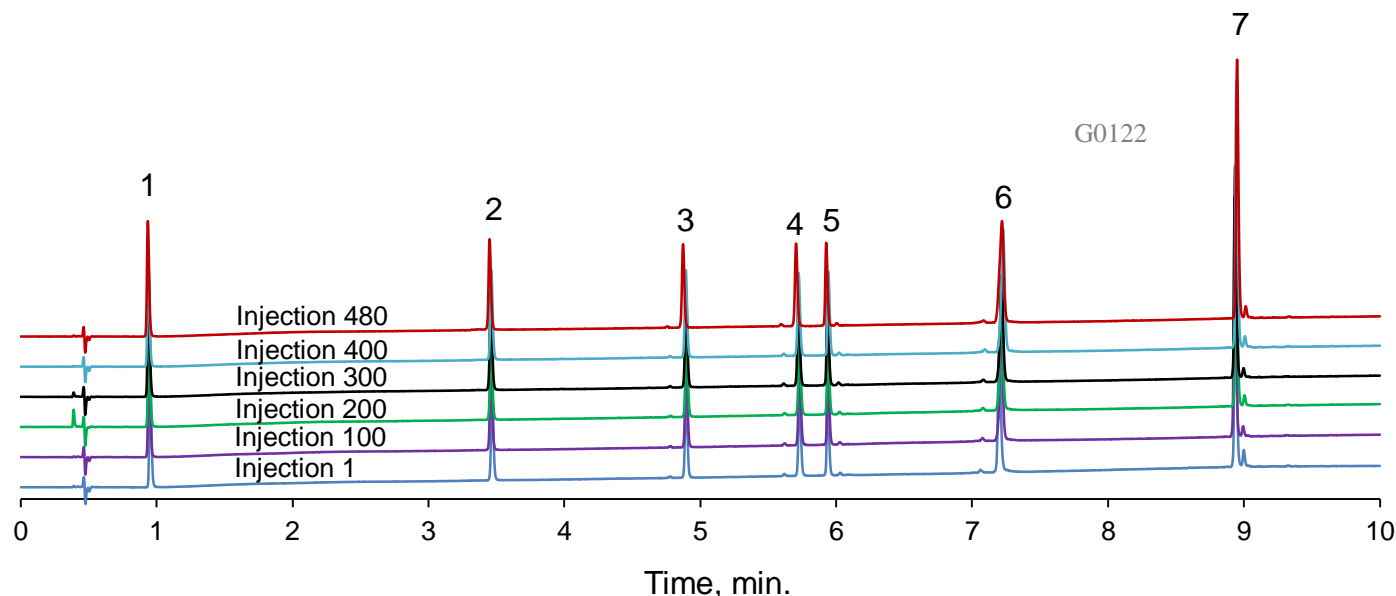


High Temperature/Low pH Stability with HALO 2 Peptide ES-C18



TEST CONDITIONS:

Column:

2.1 x 100 mm, HALO 2 Peptide ES-C18, 2 μ m
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 μ L

Sample Solvent: mobile phase A

Response Time: 0.025 sec.

Data Rate: 40 Hz

LC System: Shimadzu Nexera X2

Flow Cell: 1 μ L

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.