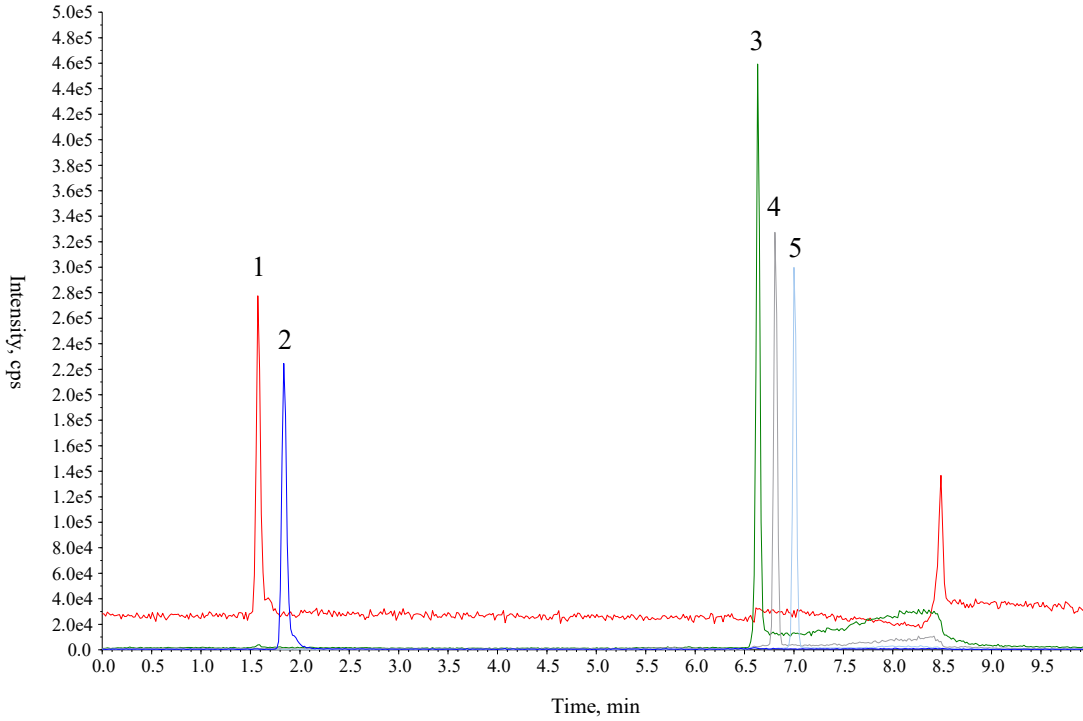


# Analysis of Short-chain PFAS



**Conditions**

**System** : ExionLC AD (SCIEX) Qtrap 6500+  
**Column** : InertSustain AQ-C18 (GL Sciences Inc.)  
 (3 μm, 150 x 2.1 mm I.D., Metal-free hardware)  
**Delay Column** : Delay Column for PFAS  
 (30 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-87063  
**Delay Column Cat. No.** : 5020-90005  
**Eluent** : A) 10 mM CH<sub>3</sub>COONH<sub>4</sub>, 0.1% CH<sub>3</sub>COOH in H<sub>2</sub>O  
 B) CH<sub>3</sub>CN

**Analyte:**

- 1. Trifluoroacetic acid 500 ng/mL  
(Q1/Q3 = 112.8/45.0)
- 2. Difluoroacetic acid 500 ng/mL  
(Q1/Q3 = 94.8/50.9)
- 3. Perfluorobutanoic acid 5 ng/mL  
(Q1/Q3 = 212.9/168/9)
- 4. Perfluoropentanoic acid 5 ng/mL  
(Q1/Q3 = 262.9/218.9)
- 5. Perfluorohexanoic acid 5 ng/mL  
(Q1/Q3 = 312.9/268.8)

Time (min)	A %	B %
0.0	95	5
2.0	95	5
6.0	2	98
6.1	95	5
10	95	5

**Flow Rate** : 0.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : MS/MS (ESI, Negative)  
 CUR CAD IS TEM GS1 GS2  
 35 10 -4500 400 30 30  
**Injection Vol.** : 3 μL  
**Sample** : Standard