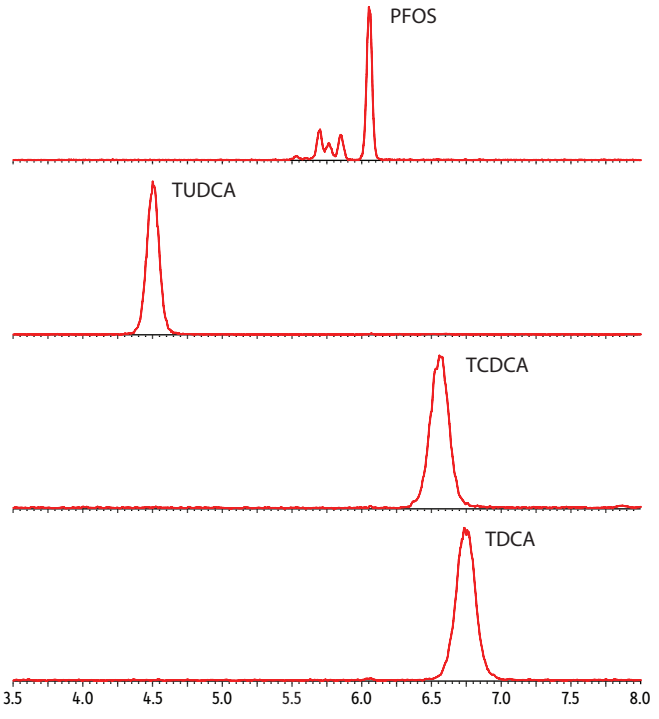
Distinct Retention Times Between PFOS and Bile Acids



Peaks	t_R (min)	Conc. (ng/mL)	Precursor Ion	Confirmation Ion
1. Tauroursodeoxycholic acid (TUDCA)	4.50	100	499.03	79.92
2. Perfluorooctanesulfonic acid (PFOS)	6.05	0.5	499.03	79.92
3. Taurochenodeoxycholic acid (TCDCA)	6.55	100	499.03	79.92
4. Taurodeoxycholic acid (TDCA)	6.74	100	499.03	79.92

Column Ultra Inert IBD (cat.# 9175312-T)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 3 µm
Pore Size: 100 Å
Temp.: 40 °C
Standard/Sample Individual standards were obtained externally.
Diluent: 50:50 water:acetonitrile
Inj. Vol.: 5 µL
Mobile Phase
A: Water, 5 mM ammonium formate, 0.1% formic acid
B: Acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	55	45
7.00	0.4	5	95
11.00	0.4	5	95
11.01	0.4	55	45
13.00	0.4	55	45

Max Pressure: 540 bar
Detector Waters Xevo TQ-S
Ion Source: Waters Zspray ESI
Ion Mode: ESI-
Mode: MRM
Instrument Waters ACQUITY UPLC I-Class
Sample Preparation Individual standards were prepared in 50:50 water:acetonitrile solution in polypropylene HPLC vials.
Notes An Ultra IBD column (150 x 2.1 mm, 3.0 µm; cat. # 9175362) was used as the delay column.