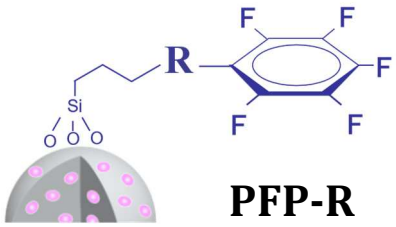
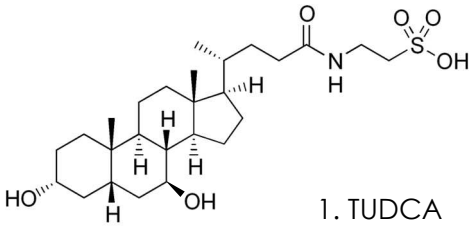
胆汁酸とPFOSの分離

SunBridge PFP-R 3 µm, 150 x 2.1 mm i.d.

Bile Acids and PFOS (a key PFAS)

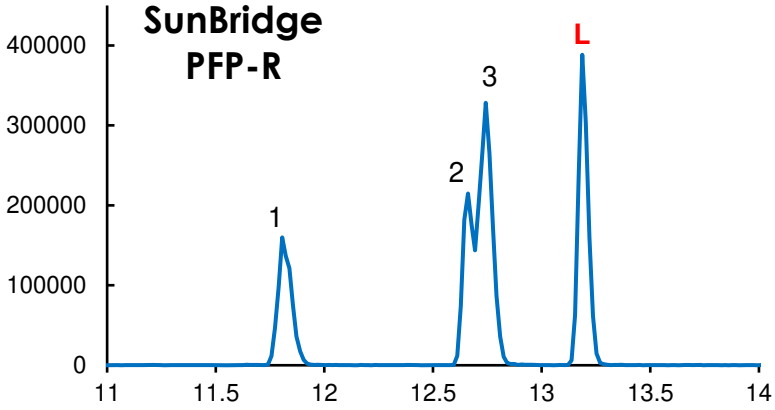


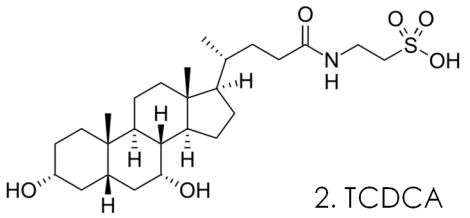
PFP-R



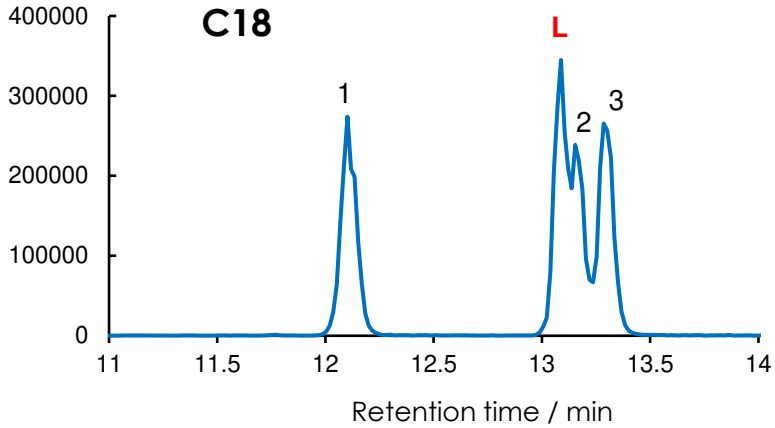
1. TUDCA

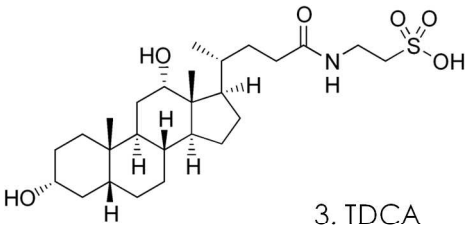
MRM: 499>80





2. TCDCA





3. TDCA

L. L-PFOS

Retention time / min

Column: SunBridge PFP-R 3 µm, Other company C18(core-shell) 2.6 µm
Column dimension: 150 x 2.1 mm
Mobile phase: [A] Methanol [B] 10 mM Ammonium Acetate in water
Gradient program: shown right
Flow rate: 0.25 mL / min, Temperature: 40 ℃
Instrument: ExionLC AC system, Triple Quad 4500 system (SCIEX)

Time(min)	0	2	12	17
A Conc.	10	10	90	100

Sample: 1 = Tauroursodeoxycholic acid (**TUDCA**), 2 = Taurochenodeoxycholic acid (**TCDCA**) , 3 = Taurodeoxycholic acid (**TDCA**) each 250 ng/mL, **L** = Linear-perfluorooctanesulfonic acid (**L-PFOS**) 5 ng/mL

提供： 金沢大学 環日本海域環境研究センター 本田匡人先生

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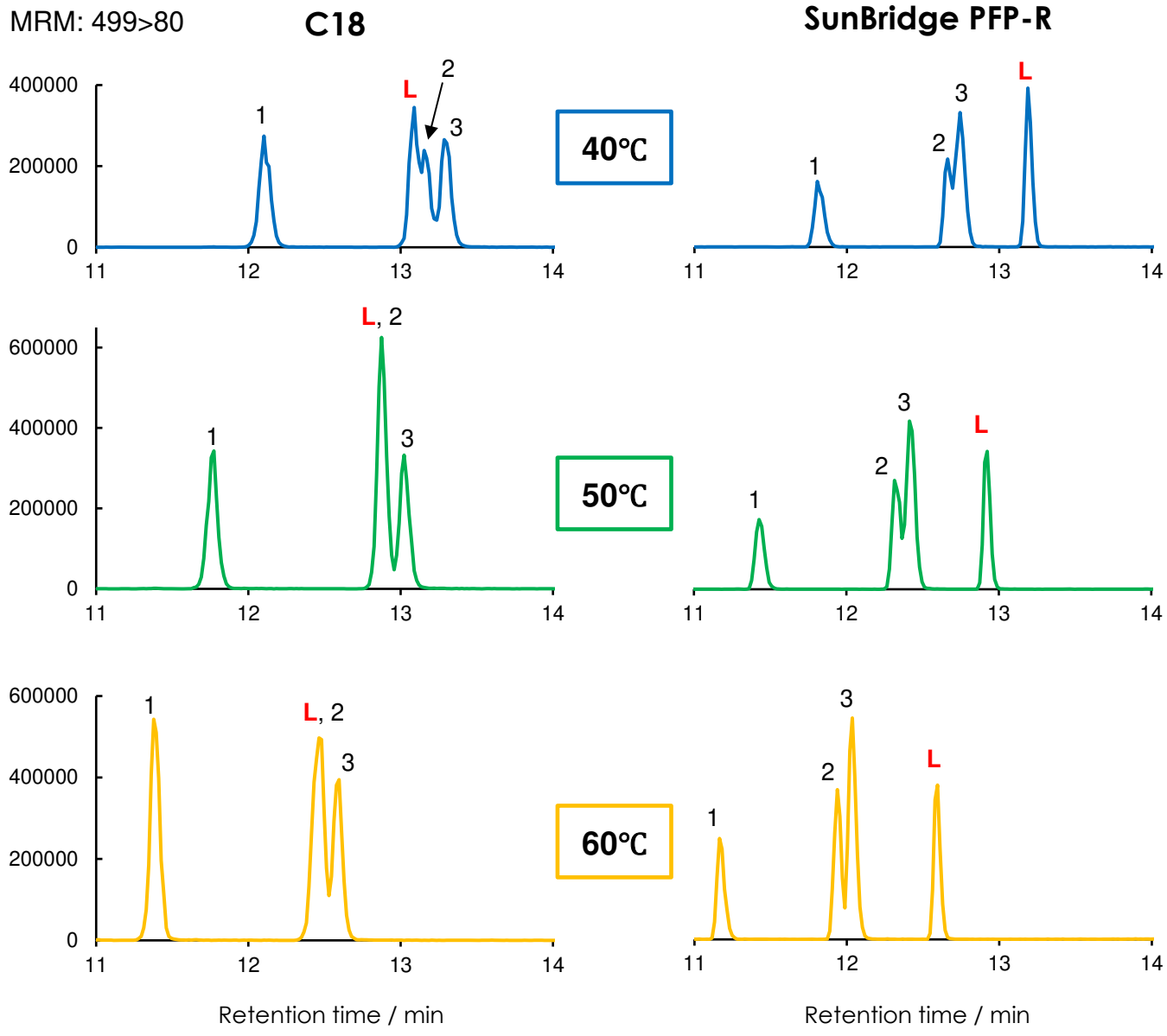

Column: SunBridge PFP-R 3 µm, Other company C18(core-shell) 2.6 µm
Column dimension: 150 x 2.1 mm
Mobile phase: [A] Methanol [B] 10 mM Ammonium Acetate in water
Gradient program: shown right
Flow rate: 0.25 mL / min, Temperature: shown above
Instrument: ExionLC AC system, Triple Quad 4500 system (SCIEX)
Sample: 1 = Tauroursodeoxycholic acid (**TUDCA**), 2 = Taurochenodeoxycholic acid (**TCDCA**) , 3 = Taurodeoxycholic acid (**TDCA**) each 250 ng/mL, **L** = Linear-perfluorooctanesulfonic acid (**L-PFOS**) 5 ng/mL

Time(min)	0	2	12	17
A Conc.	10	10	90	100

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