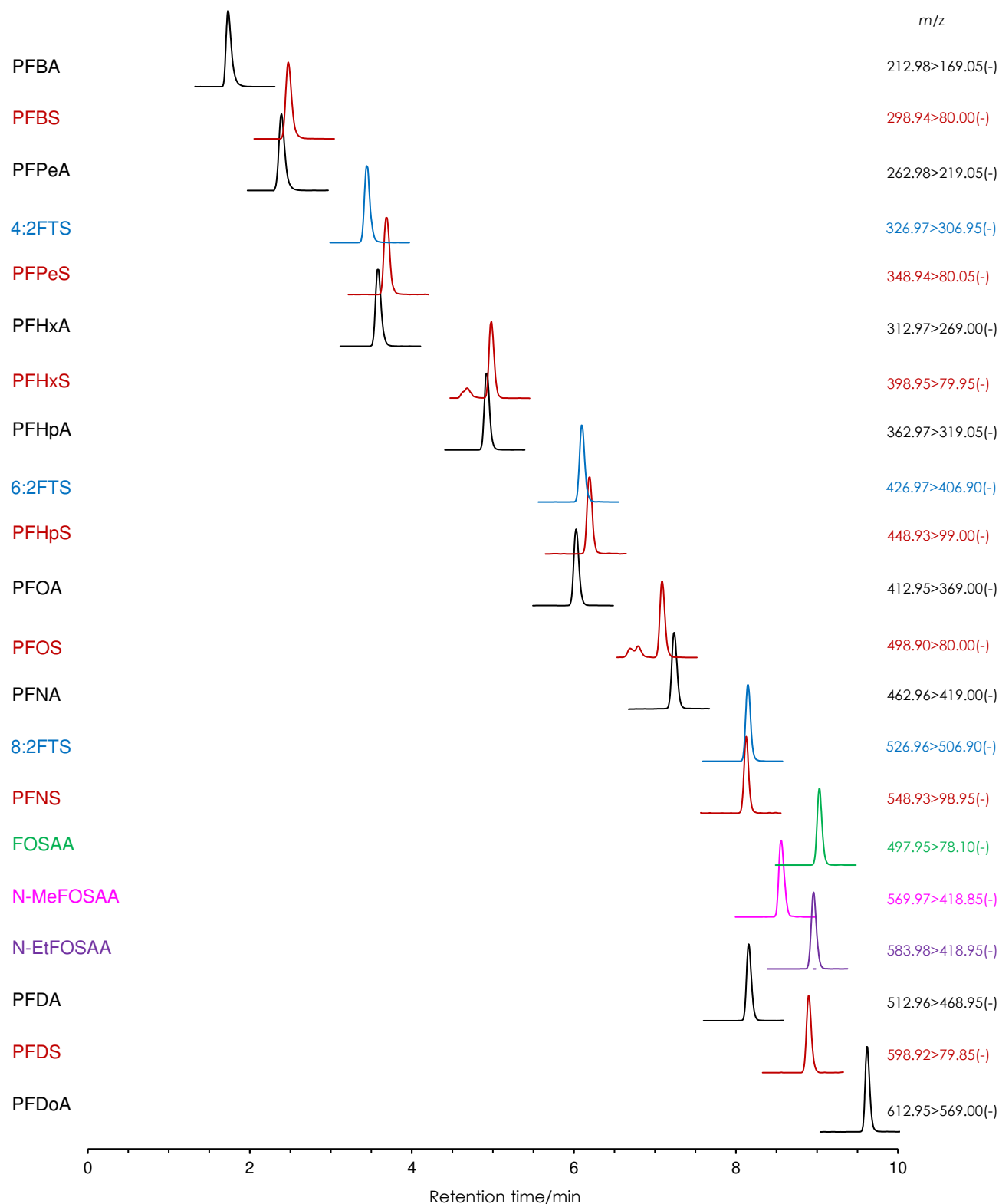


PFASのLC-MS/MS分析 (2)

Prominert C18 3.5 μ m, 150 x 2.1 mm i.d.

PFAS (Per- and Polyfluoroalkyl Substances)



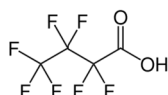
提供：一般社団法人 農民連食品分析センター

PFASのLC-MS/MS分析 (2)

Prominert C18 3.5 μm, 150 x 2.1 mm i.d.

PFAS (Per- and Polyfluoroalkyl Substances)

PFBA



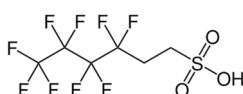
PFBS



PFPeA



4:2FTS



PFPeS



PFHxA



PFHxS



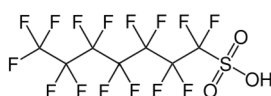
PFHpA



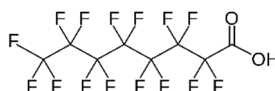
6:2FTS



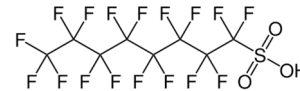
PFHpS



PFOA



PFOS



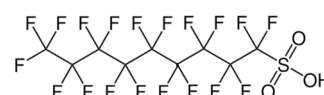
PFNA



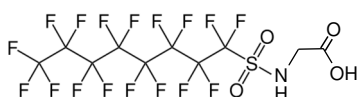
8:2FTS



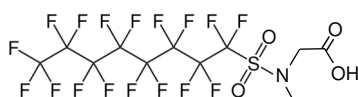
PFNS



FOSAA



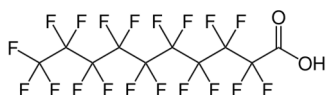
N-MeFOSAA



N-EtFOSAA



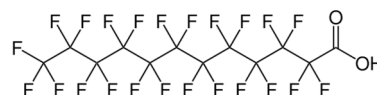
PFDA



PFDS



PFDoA



[HPLC condition]

Column: Prominert C18 3.5 μm, 150 x 2.1 mm
Mobile phase: [A] 5 mM Ammonium acetate in water [B] Methanol
Gradient program: shown right
Temperature: 35 °C,
Injection Volume: 20 μL
Flow rate: 0.25 mL/min
Sample: PFBA, PFBS, PFPeA, 4:2FTS, PFPeS, PFHxA, PFHxS, PFHpA, 6:2FTS, PFHpS, PFOA, PFOS, PFNA, 8:2FTS, PFNS, FOSAA, N-MeFOSAA, N-EtFOSAA, PFDA, PFDS, PFDoA
(each 400 ppt, Sample solution: Water/MeOH=2/1)

Time (min)	B.Conc(%)
0	55
0.0 – 10.0	55 → 95
10.0 – 12.0	95
12.01 – 17.0	55

[MS condition]

Interface: ESI
Nebulizing gas flow: 3 L/min
Drying gas flow: 10 L/min
Heating gas flow: 10 L/min
DL temp.: 150 °C
Heat Block Temp.: 400 °C
Interface Temp.: 300 °C

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