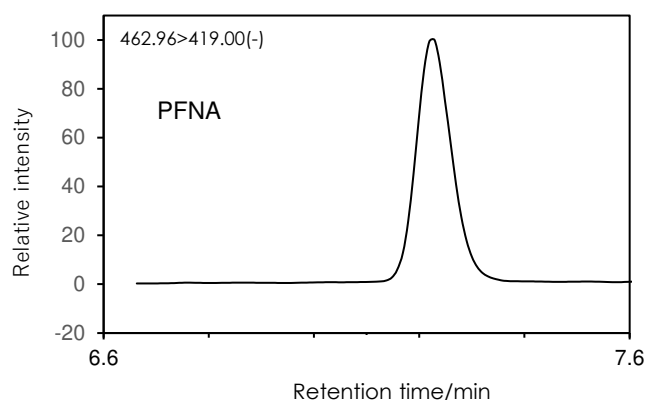
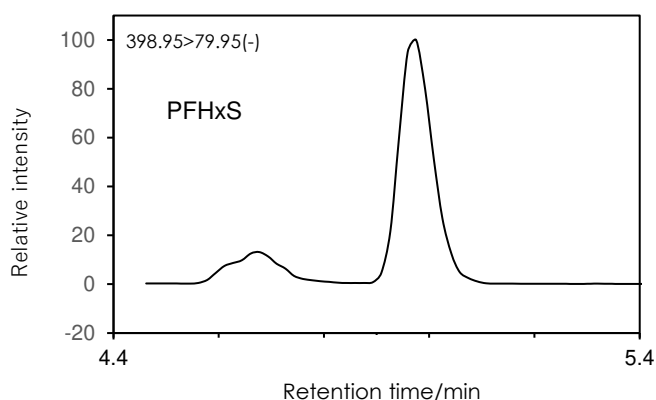
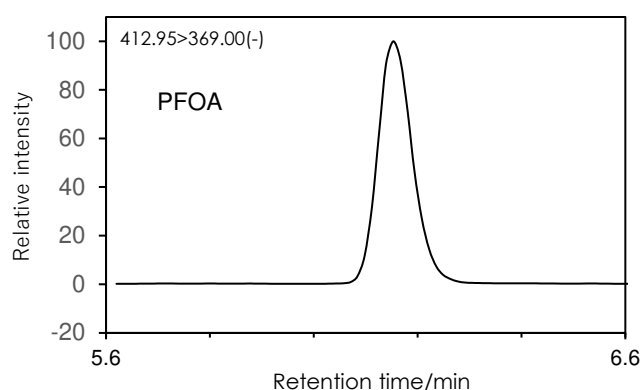
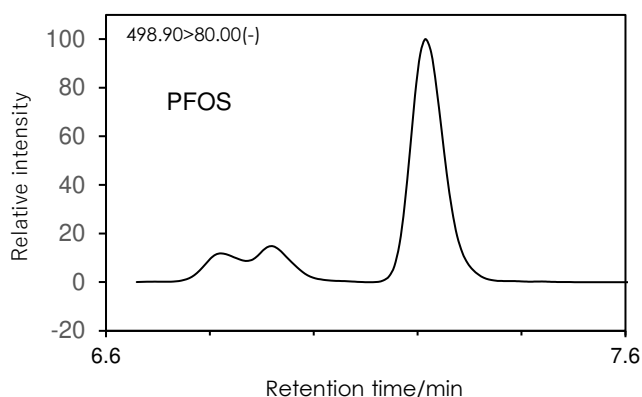


PFASのLC-MS/MS分析 (1)

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

PFAS (Per- and Polyfluoroalkyl Substances)

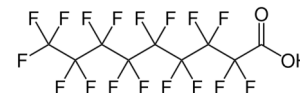
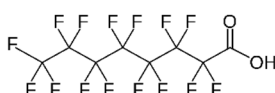


1. PFOS

2. PFOA

3. PFHxS

4. PFNA



[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: PFOS, PFOA, PFHxS, PFNA
(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

提供：一般社団法人 農産物検査センター