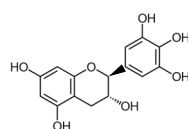
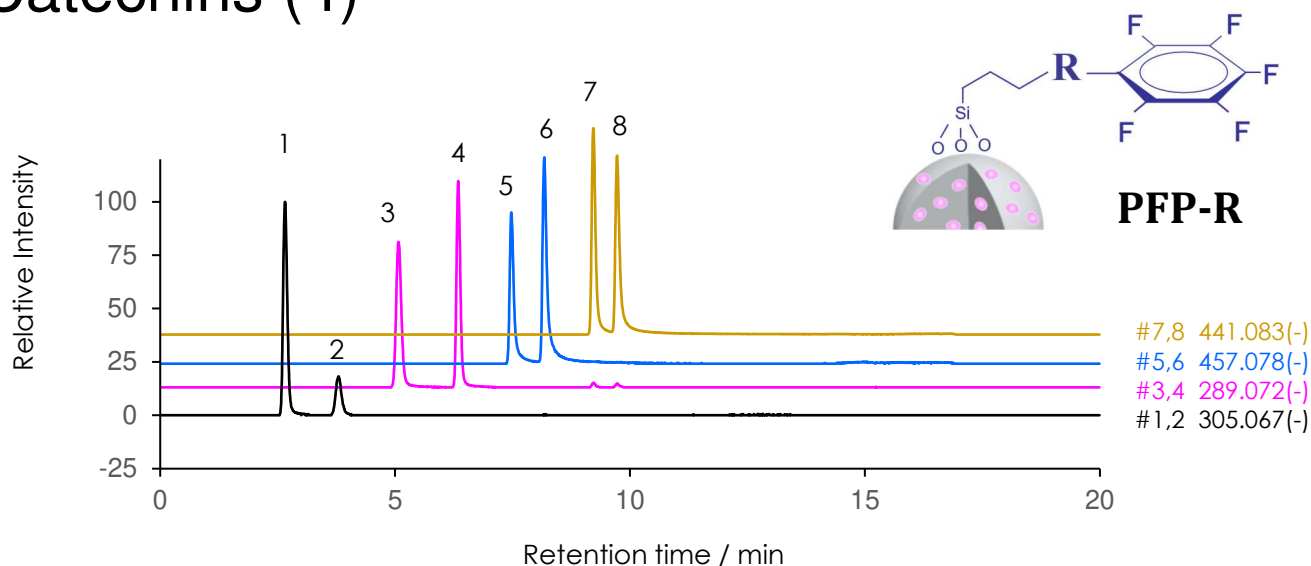


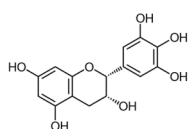
## カテキン類の分離 (4)

SunBridge PFP-R 3  $\mu$ m, 150 x 2.1 mm i.d. PS inert

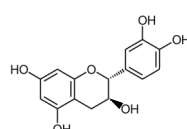
## Catechins (4)



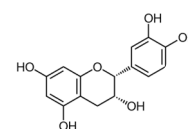
1. GC



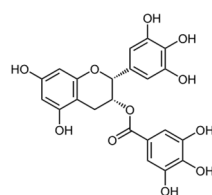
2. EGC



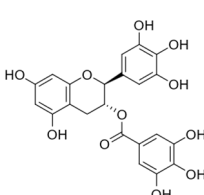
3. C



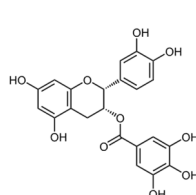
4. EC



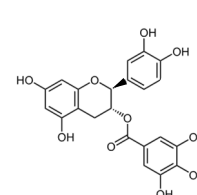
5. EGCG



6. GCG



7. ECG



8. CG

Column: SunBridge PFP-R 3  $\mu$ m, 150 x 2.1 mm PS inert \*

Mobile phase: [A] 0.1% Formic acid in water [B] 0.1% Formic acid in water in Acetonitrile

Gradient program: shown right

Flow rate: 0.25 mL/min

Injection volume: 1  $\mu$ L, Temperature: 40  $^{\circ}$ C

Detection: MS ESI mode (-)

Instrument: Shimadzu LCMS-9050

Sample: 1 = Gallocatechin (GC), 2 = Epigallocatechin (EGC), 3 = Catechin (C),

4 = Epicatechin (EC), 5 = Epigallocatechin gallate (EGCG), 6 = Gallocatechin gallate (GCG),

7 = Epicatechin gallate (ECG), 8 = Catechin gallate (CG)

| Time(min) | 0  | 2.0 | 12.0 | 14.0 | 15.0 | 15.1 |
|-----------|----|-----|------|------|------|------|
| B Conc.   | 10 | 10  | 35   | 80   | 80   | 0    |

\* PS inert is an inert column hardware option with a special surface that reduces metal adsorption.