

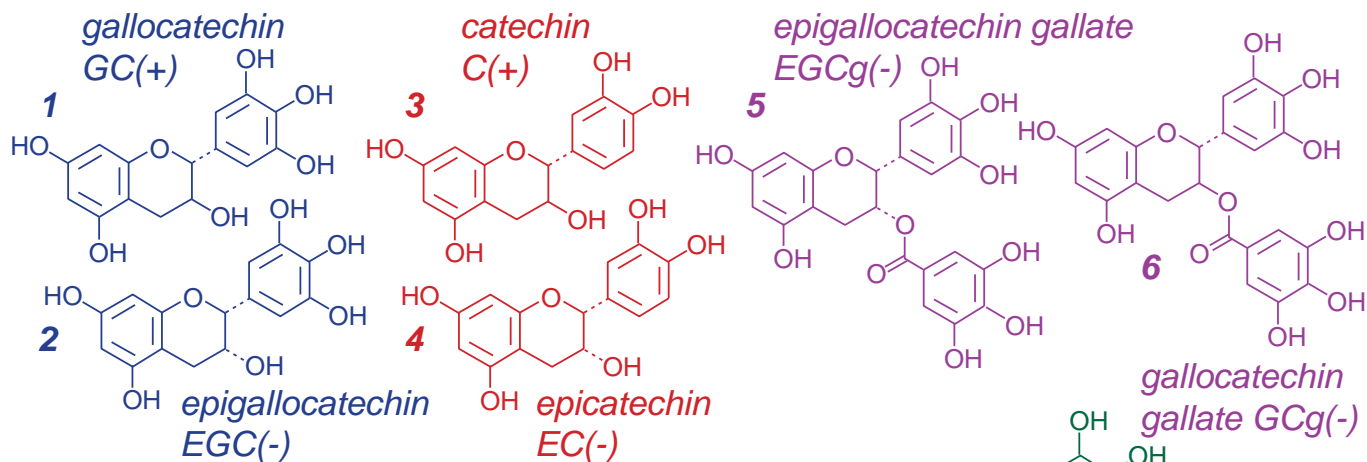
Unison UK-Phenyl

150 x 3 mm

Application

### LC-MS: Catechins in Black Tea (tea bag)

ティーバッグ紅茶中のカテキン類のLC-MS分析



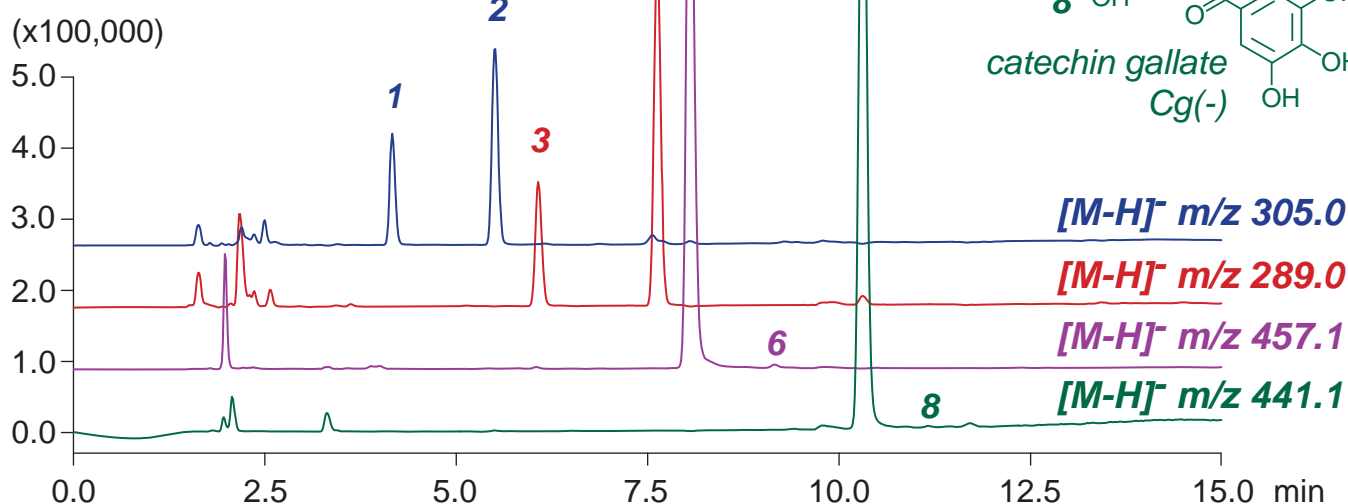
**BlackTea with tea bag**

- ← boiling water (2:150, w/v)
- ← extraction (3min)

**Supernatant**

- ← 0.2% formic acid (1:1, vol)
- ← Centrifugal Ultrafiltration (Amicon, 3000 NMWL)

**Filtrate (Injection Sample)**



Unison UK-Phenyl, 150 x 3 mm

A: water / formic acid = 100 / 0.1

B: methanol / water / formic acid = 40 / 60 / 0.1

20-100%B (0-12min), 100%B (12-15min)

0.4mL/min (8MPa), 37°C, 5µL

MS (ESI, SIM, Negative)