

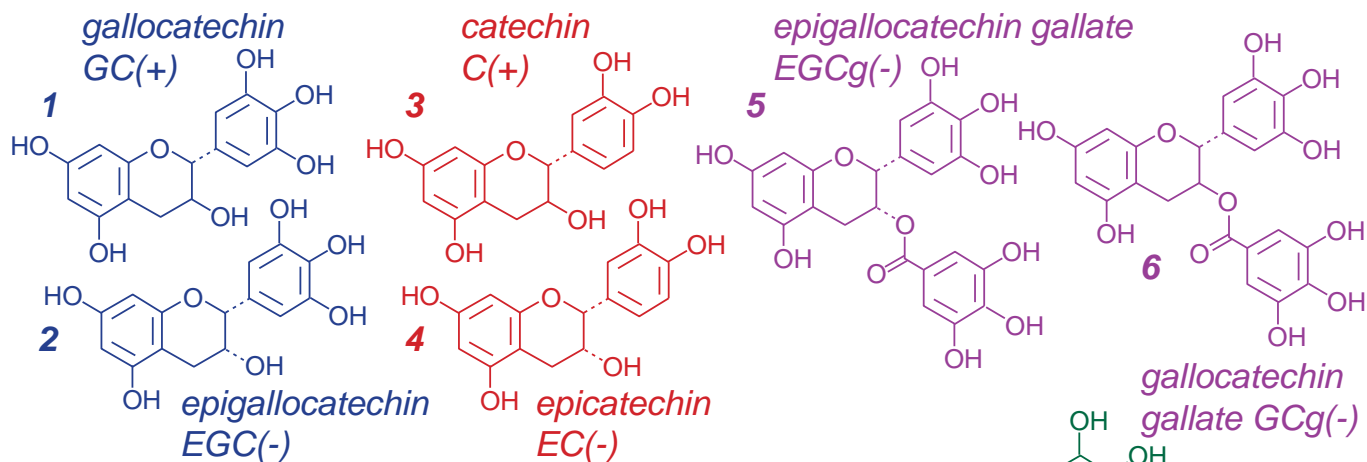
Scherzo SM-C18

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



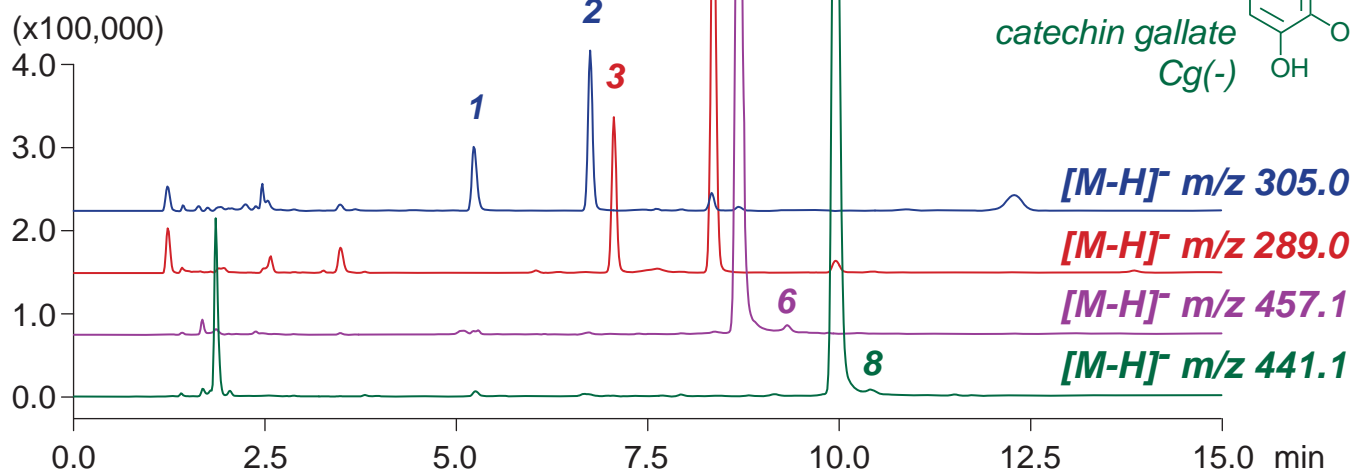
BlackTea with tea bag

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

Supernatant

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

Filtrate (Injection Sample)



Scherzo SM-C18, 150 x 3 mm

A: water / formic acid = 100 / 0.1

B: methanol / water / formic acid = 60 / 40 / 0.5

20%B (0-1min), 20-100%B (1-12min), 100%B (12-15min)

0.4mL/min (10MPa), 37°C, 5μL

MS (ESI, SIM, Negative)