

CoreFocus Report

No.565

LC-MS

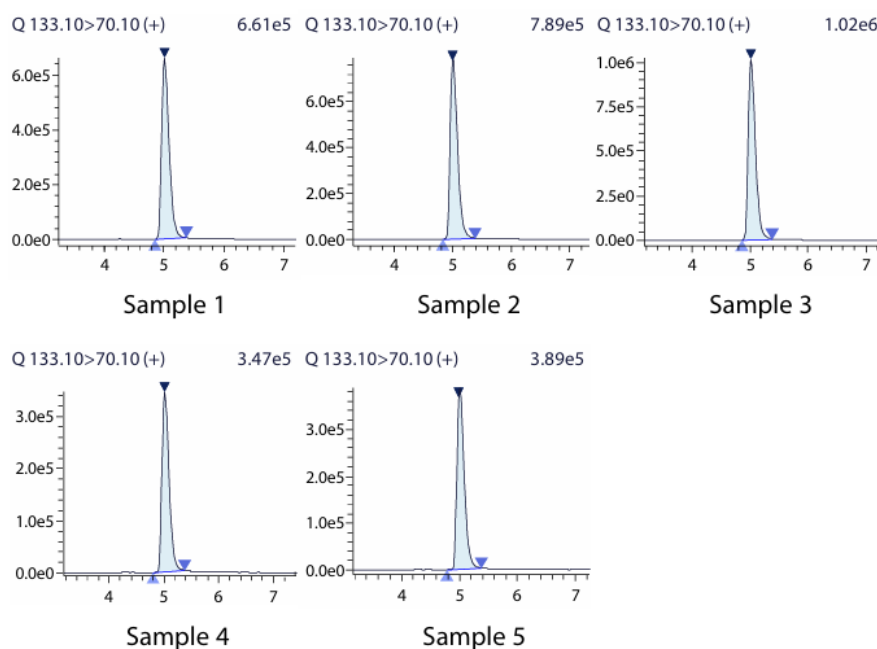
HILIC

Shim-pack™ Series

Shim-pack GIST Amide

Analysis of Ornithine in Bunashimeji (Beech mushroom)

Keywords: Food, amino acid, JAS standard



[HPLC conditions] (Nexera™)

Column : Shim-pack GIST Amide,
100 mm x 2.1 mm I.D., 3.0 μm⁺
Mobile phase A : 0.3 % formic acid (aq.)
Mobile phase B : 0.3 % formic acid in acetonitrile
Time program : B. Conc 90 % (0 min) – 50 % (5–8 min) –
90 % (8.01–13 min)
Flow rate : 0.30 mL/min
Column oven : 40 °C
Injection vol. : 0.5 μL

1*: P/N : 227-30818-04

[MS conditions] (LCMS-8060NX)

Ionization : ESI Positive
Interface voltage : +4 kV
Focus voltage : +2 kV
Nebulizing gas flow : 2 L/min
Drying gas flow : 10 L/min
Heating gas flow : 10 L/min
DL temperature : 200 °C
Heat block temperature : 400 °C
Interface temperature : OFF
ESI position : +3 mm
MRM transition : Ornithine (-) m/z 133>70 CE -
22 V

Source : Application News 01-00175 ([JP,ENG](#))

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