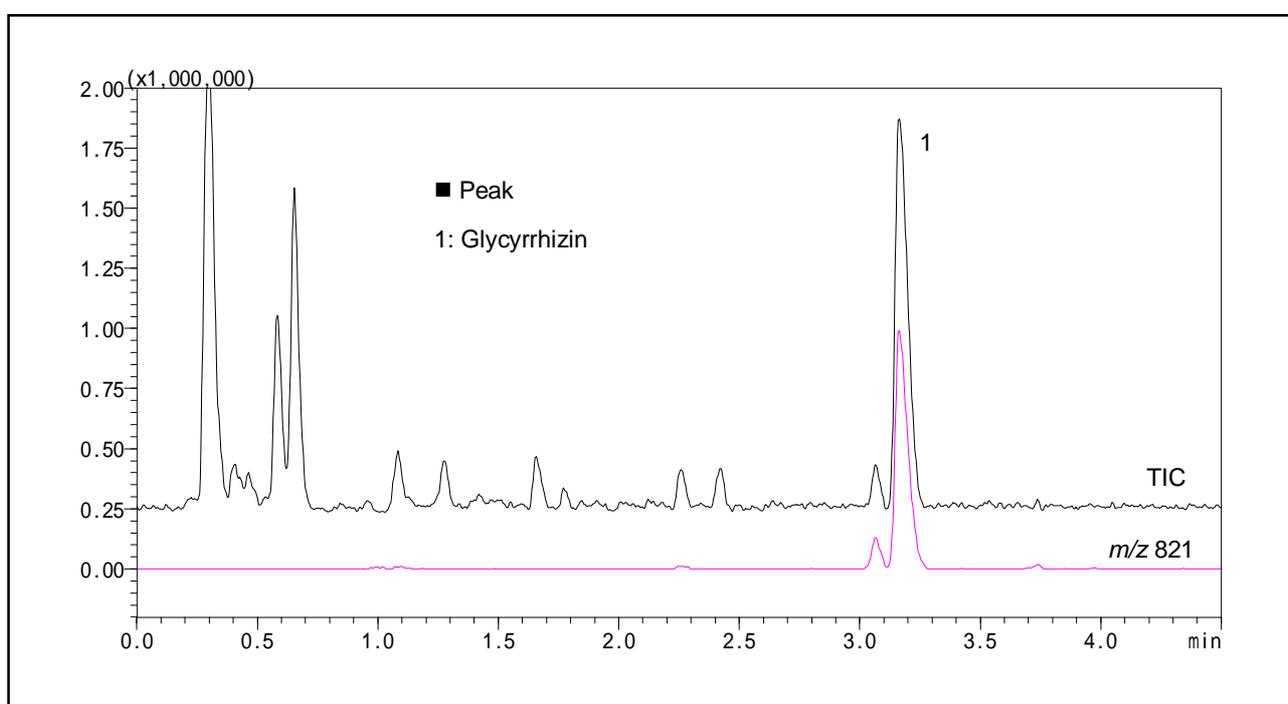


High-Speed Analysis of Glycyrrhizinate

Here we used an LCMS to conduct analysis of glycyrrhizin, one of the triterpene glycosides that exists in licorice. Negative ions were detected.



Analysis of Glycyrrhizin in Licorice

[Sample Preparation]

10 mL water was added to 100 mg licorice powder and left for 20 minutes at 60 °C. After centrifuging, the resulting supernatant was filtered through a 0.45 μm membrane filter.

Analytical Conditions

Instrument	: Prominence UFLC system + LCMS-2010EV
Column	: Shim-pack XR-ODS (75 mm x 2.0 mm <i>i.d.</i>)
Mobile Phase	: A) 50 mmol/L ammonium acetate (pH 4.7) B) Acetonitrile B.conc; 25% to 35% (0 to 4 min)
Flow Rate	: 0.6 mL/min
Column Temperature	: 40 °C
Detection	: MS; ESI-Negative, Scan
Sample Volume	: 2 μL