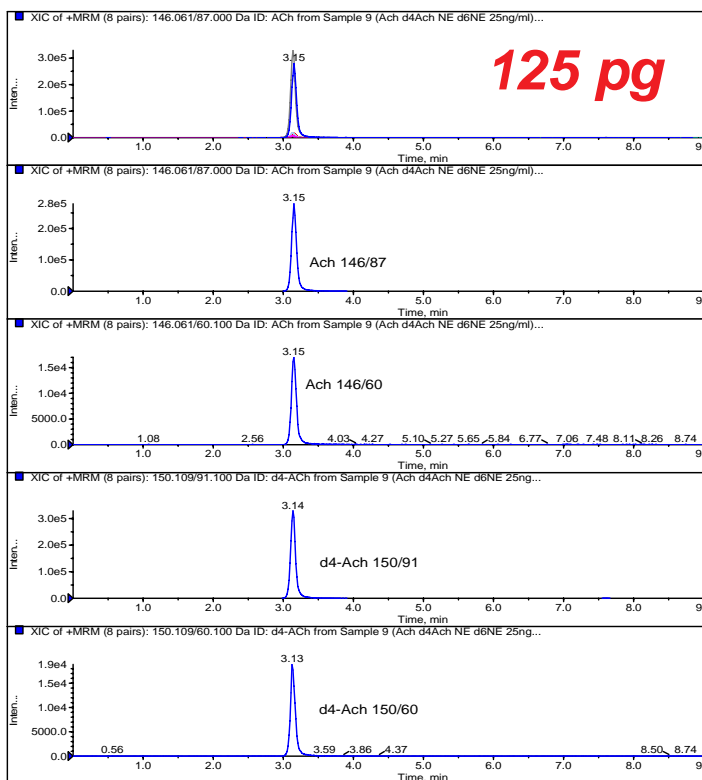


**Scherzo SS-C18**

50 x 2 mm

Application

**LC-MS/MS: Acetylcholine and d4-acetylcholine**  
**アセチルコリンと安定同位体のLC-MS/MS分析**



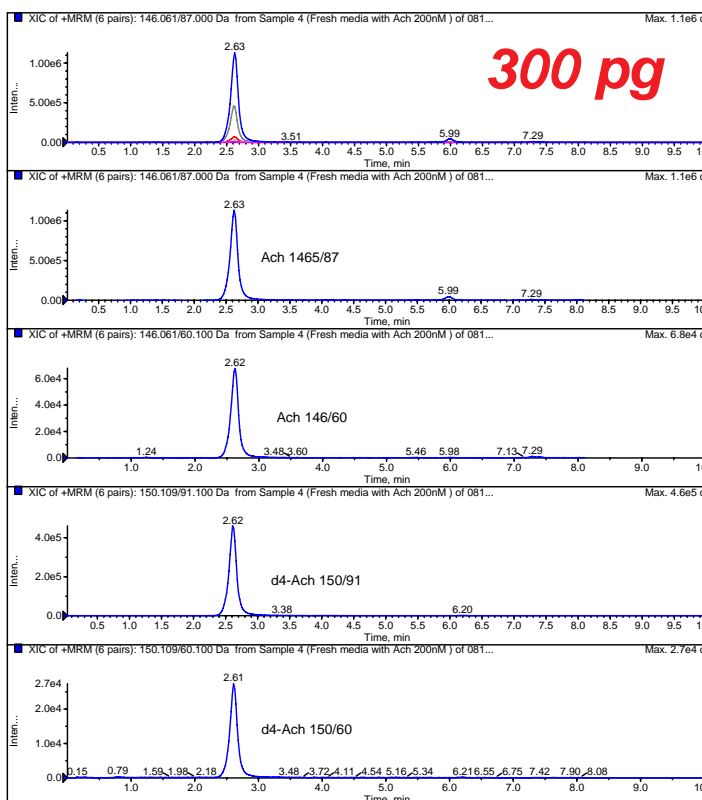
**RP + IEX**

**Scherzo SS-C18, 50 x 2 mm**  
**(3μ 130A, Imtakt Corp.)**

**A: 0.5% HCOOH**  
**B: 100mM HCOONH<sub>4</sub> /ACN (65/35)**  
**0-60%B (0-6min)**  
**60-100%B (6-6.1min)**  
**100%B (6.1-8.1min)**  
**0%B (8.1-10min)**

**0.4 mL/min, 35°C**  
**[MS/MS] TIC, XIC**

**Column Pretreatment:**  
**not needed**



**HILIC**

**Polyhydroxyethyl, 50 x 2.1 mm**  
**(3μ 100A, PolyLC INC)**

**A: 0.1% HCOOH + 20mM HCOONH<sub>4</sub>**  
**B: ACN**  
**97%B (0-0.2min)**  
**97-80%B (0.2-4min)**  
**80-60%B (4-4.1min)**  
**60%B (4.1-6.1min)**  
**97%B (6.1-11.1min)**

**0.3 mL/min, 30°C**  
**[MS/MS] TIC, XIC**

**Column Pretreatment:**  
**water 20min @1ml/min;**  
**100mM AcONH<sub>4</sub> 1hr @1ml/min;**  
**water 20min @1ml/min;**  
**mobile phase 1hr @1ml/min**

Courtesy of Dr. Dennis R. Koop, Professor, Oregon Health & Science University, USA