

Low Level Detection of Vitamin B7 (Biotin) in Serum by LC-MS/MS

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Ultra-inert
UHPLC & HPLC Columns

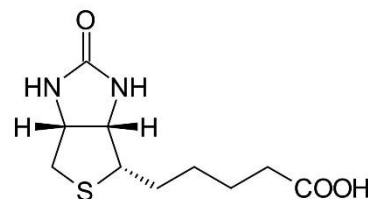
Application #AN6640

Conditions

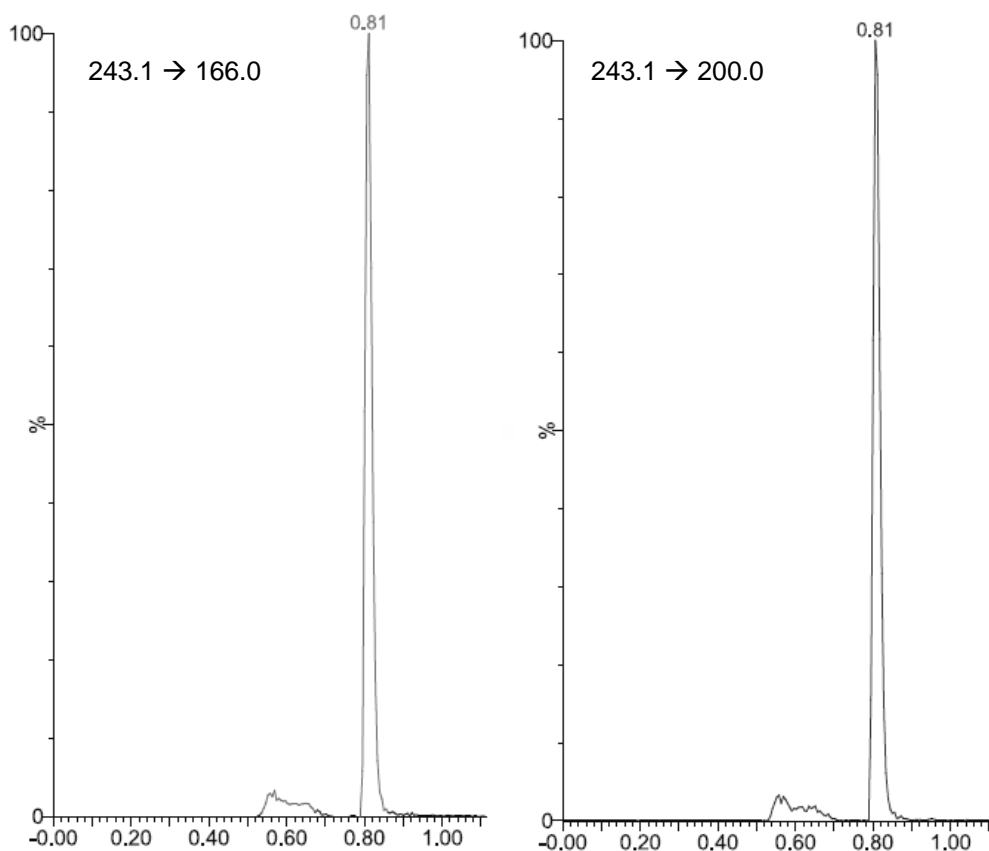
Column: ACE Excel 1.7 C18-PFP
Dimensions: 100 x 2.1 mm
Part Number: EXL-1710-1002U
Mobile Phase: A: 1mM ammonium fluoride in water
B: acetonitrile

Time (mins)	%B
0	10
1.5	18
2.0	80
2.6	10

Flow Rate: 0.4 mL/min
Injection Volume: 10 µL
Temperature: 40 °C
Detection: XEVO TQ-S triple quad MS
Desolvation temperature: 500 °C
Ion source temperature: 150 °C
Negative ion mode ESI, MRM



Vitamin B7
 m/z 243.1 → 166.0 (Quant)
 m/z 243.1 → 200.0 (Qual)



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