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

ACE®
Ultra-inert
UHPLC & HPLC Columns

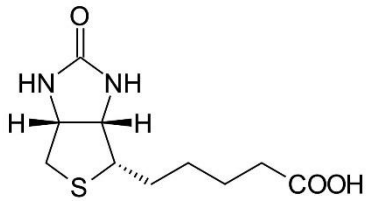
Application #AN6640

Conditions

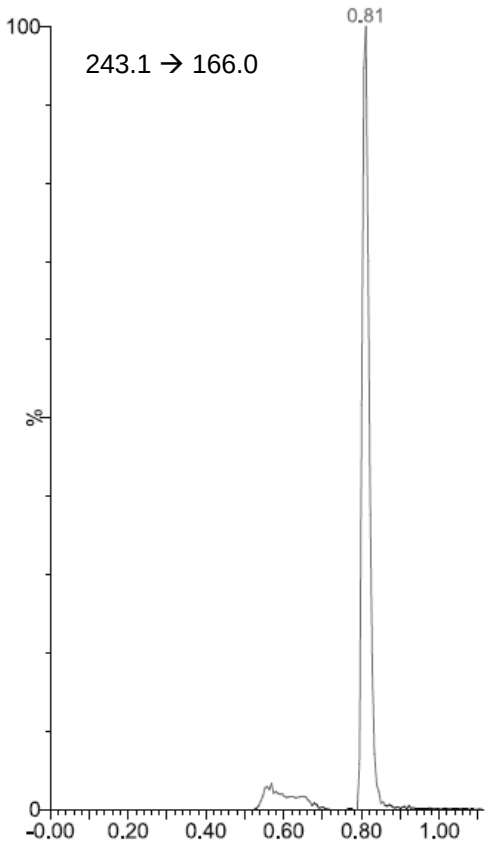
Column:	ACE Excel 1.7 C18-PFP
Dimensions:	100 x 2.1 mm
Part Number:	EXL-1710-1002U
Mobile Phase:	A: 1mM ammonium fluoride in water B: acetonitrile

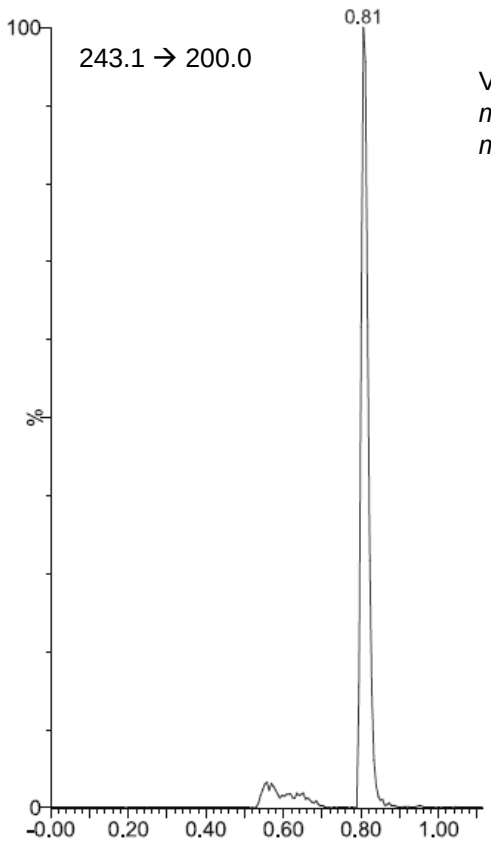
Time (mins)	%B
0	10
1.5	18
2.0	80
2.6	10

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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