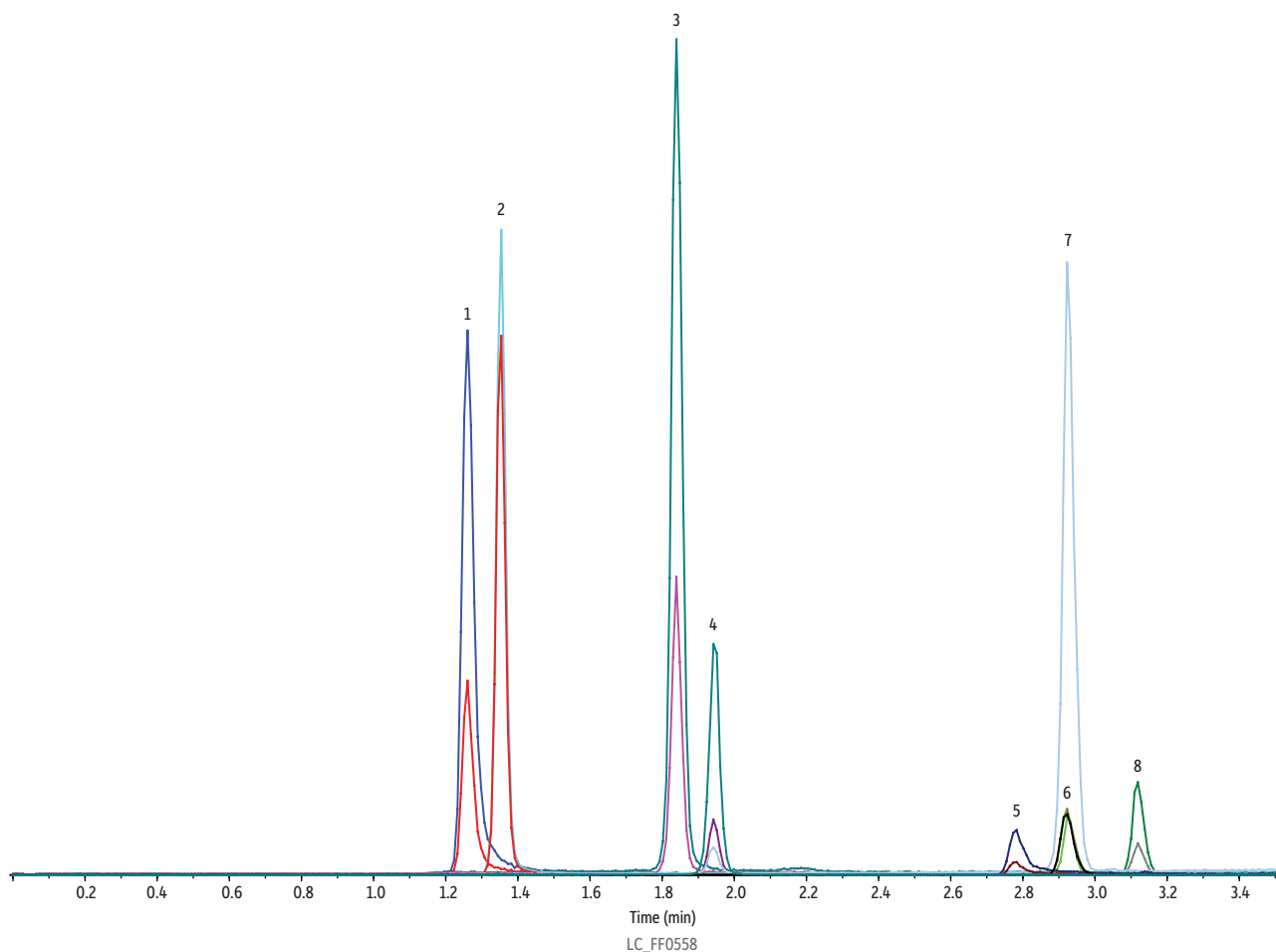


Water Soluble Vitamins by LC-MS/MS



LC_FF0558

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Product Ion
1. Thiamine (B1)	1.26	50	265.0	122.1	144.1
2. Pyridoxine (B6)	1.35	20	170.1	152.1	134.1
3. Niacin (B3)	1.84	200	123.1	80.1	78.1
4. Pantothenic acid (B5)	1.94	200	220.0	90.1	72.1
5. Folic acid (B9)	2.78	500	442.1	295.0	176.3
6. Cyanocobalamin (B12)	2.92	500	678.3	147.2	359.0
7. Biotin (B7)	2.93	100	245.0	227.1	97.1
8. Riboflavin (B2)	3.12	200	377.0	243.1	172.1

Column Ultra Aqueous C18 (cat.# 9178312)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 3 µm
Pore Size: 100 Å
Temp.: 40 °C
Sample
Diluent: Water
Inj. Vol.: 2 µL
Mobile Phase
A: Water + 5 mM ammonium formate + 0.1% formic acid
B: Methanol + 5 mM ammonium formate + 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.6	100	0
3.50	0.6	35	65
3.51	0.6	100	0
6.00	0.6	100	0

Detector MS/MS
Ion Mode: ESI+
Mode: MRM
Instrument UHPLC
Notes Autosampler temperature = 5 °C