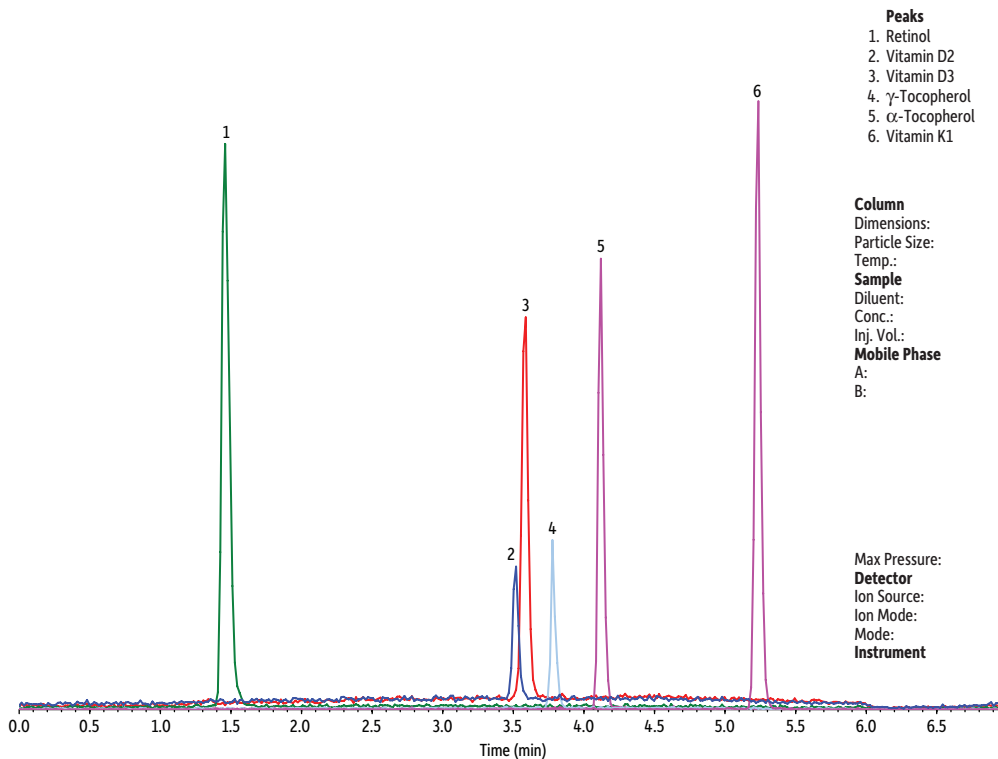


Fat-Soluble Vitamins on Raptor™ ARC-18 by LC-MS/MS



Peaks	tR (min)	Precursor Ion	Product Ion
1. Retinol	1.46	269.4	93.3
2. Vitamin D2	3.52	397.5	379.6
3. Vitamin D3	3.58	385.5	367.5
4. γ -Tocopherol	3.78	417.6	151.4
5. α -Tocopherol	4.12	431.7	165.4
6. Vitamin K1	5.23	451.4	187.3

Column Raptor™ ARC-18 (cat.# 9314A12)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 2.7 μ m
Temp.: 40 °C
Sample
Diluent: Methanol
Conc.: 100 ng/mL
Inj. Vol.: 5 μ L
Mobile Phase
A: 0.1% Formic acid + 5 mM ammonium formate in water
B: 0.1% Formic acid + 5 mM ammonium formate in methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	10	90
4.0	0.5	0	100
5.0	0.5	0	100
5.01	0.5	10	90
7.0	0.5	10	90

Max Pressure: 190 bar
Detector ABSCIEX API 4000™
Ion Source: TurbolonSpray™
Ion Mode: ESI+
Mode: MRM
Instrument API LC-MS/MS

LC_FF0537