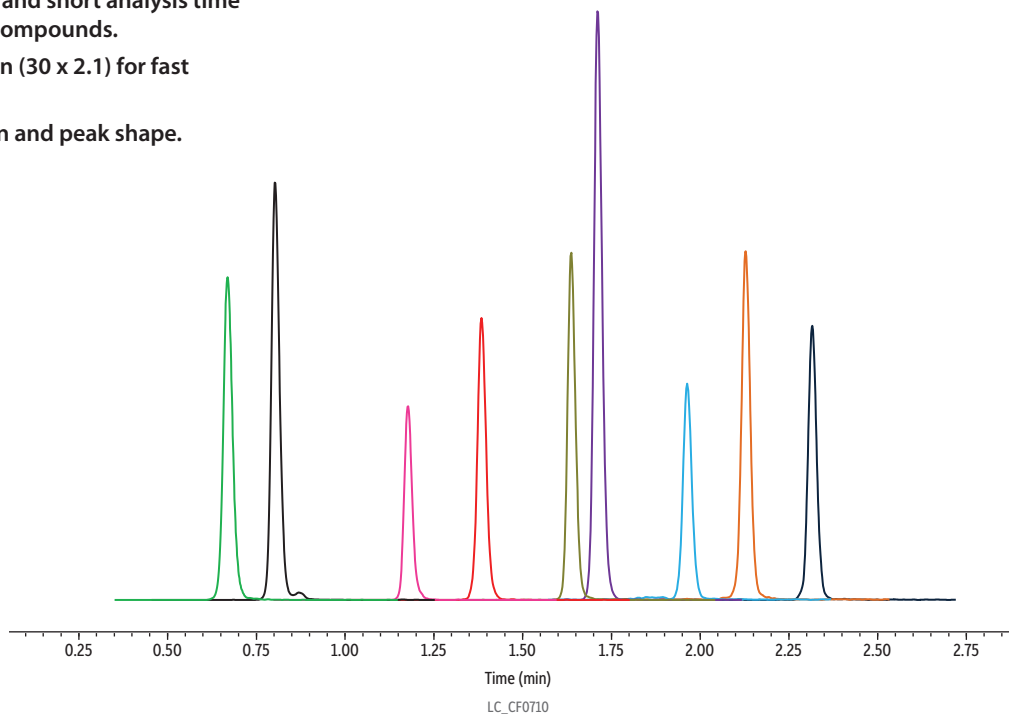


Statins on Raptor ARC-18 (1.8 µm) by LC-MS/MS

- Simple gradient program, simple mobile phases, and short analysis time (2.5 min) for 9 compounds.
- Small dimension (30 x 2.1) for fast analysis.
- Good resolution and peak shape.



Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	ESI Mode
1. Pitavastatin	0.672	0.1	422.20	290.25	+
2. Pravastatin	0.805	5	423.25	321.20	-
3. Rosuvastatin	1.178	1	482.25	258.30	+
4. Cerivastatin	1.385	0.1	460.30	356.30	+
5. Fluvastatin	1.639	5	412.25	224.25	+
6. Atorvastatin	1.713	1	559.30	440.20	+
7. Mevastatin	1.964	1	413.15	311.35	+
8. Lovastatin	2.129	1	427.15	325.25	+
9. Simvastatin	2.316	1	441.25	325.40	+

Column Raptor ARC-18 (cat.# 9314232)
Dimensions: 30 mm x 2.1 mm ID
Particle Size: 1.8 µm
Temp.: 40 °C

Sample
Diluent: 75:25 Water:acetonitrile
Conc.: 0.1-5 ng/mL
Inj. Vol.: 1 µL

Mobile Phase
A: 0.1% Formic acid in water
B: 0.1% Formic acid in acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.7	75	25
2.50	0.7	25	75
2.80	0.7	25	75
2.81	0.7	75	25
3.50	0.7	75	25

Detector MS/MS
Ion Mode: ESI+
Mode: MRM
Instrument UHPLC