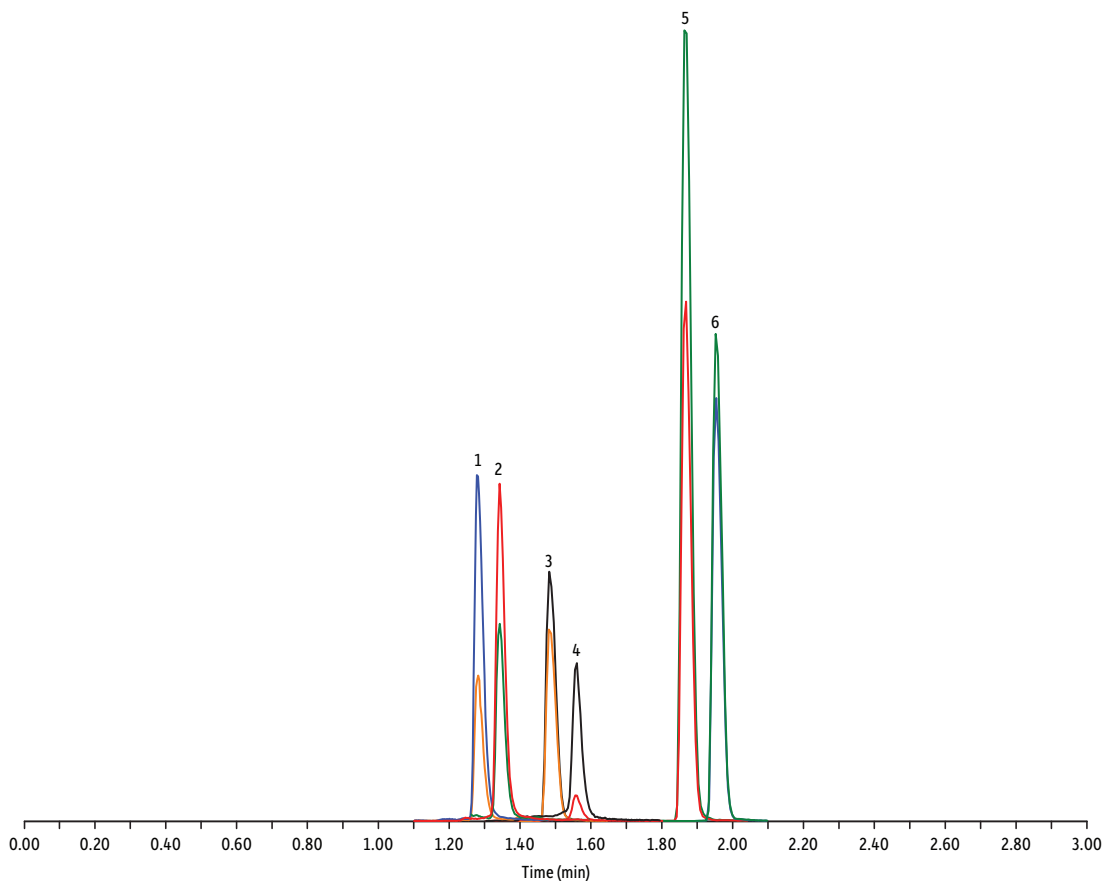


Amphenicol and Tetracycline Antibiotics on Raptor™ C18 by LC-MS/MS



LC_FS0504

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Product Ion
1. Oxytetracycline	1.28	25	461.27	426.15	443.32
2. Tetracycline	1.34	25	445.28	154.07	427.32
3. Thiamphenicol*	1.48	200	354.16	290.04	184.98
4. Chlortetracycline	1.56	25	479.27	154.07	371.06
5. Florfenicol*	1.86	200	356.10	336.02	184.98
6. Chloramphenicol*	1.95	200	321.16	151.99	257.04

*Acquired in negative ion mode.

Column
 Raptor™ C18 (cat.# 9304A12)
 Dimensions: 100 mm x 2.1 mm ID
 Particle Size: 2.7 µm
 Pore Size: 90 Å
 Guard Column: Raptor™ C18 EXP® guard column cartridge 5 mm, 2.1 mm ID, 2.7 µm (cat.# 9304A0252)
 Temp.: 40 °C

Sample
 Diluent: Water
 Conc.: 25–200 ng/mL
 Inj. Vol.: 2 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	0.4	90	10
3.00	0.4	20	80
3.01	0.4	90	10
5.00	0.4	90	10

Detector
 MS/MS
 Ion Mode: ESI+/ESI-
 Mode: MRM
Instrument
 UHPLC
Notes
 Tetracyclines and amphenicols were analyzed with ESI+ and ESI- mode, respectively.