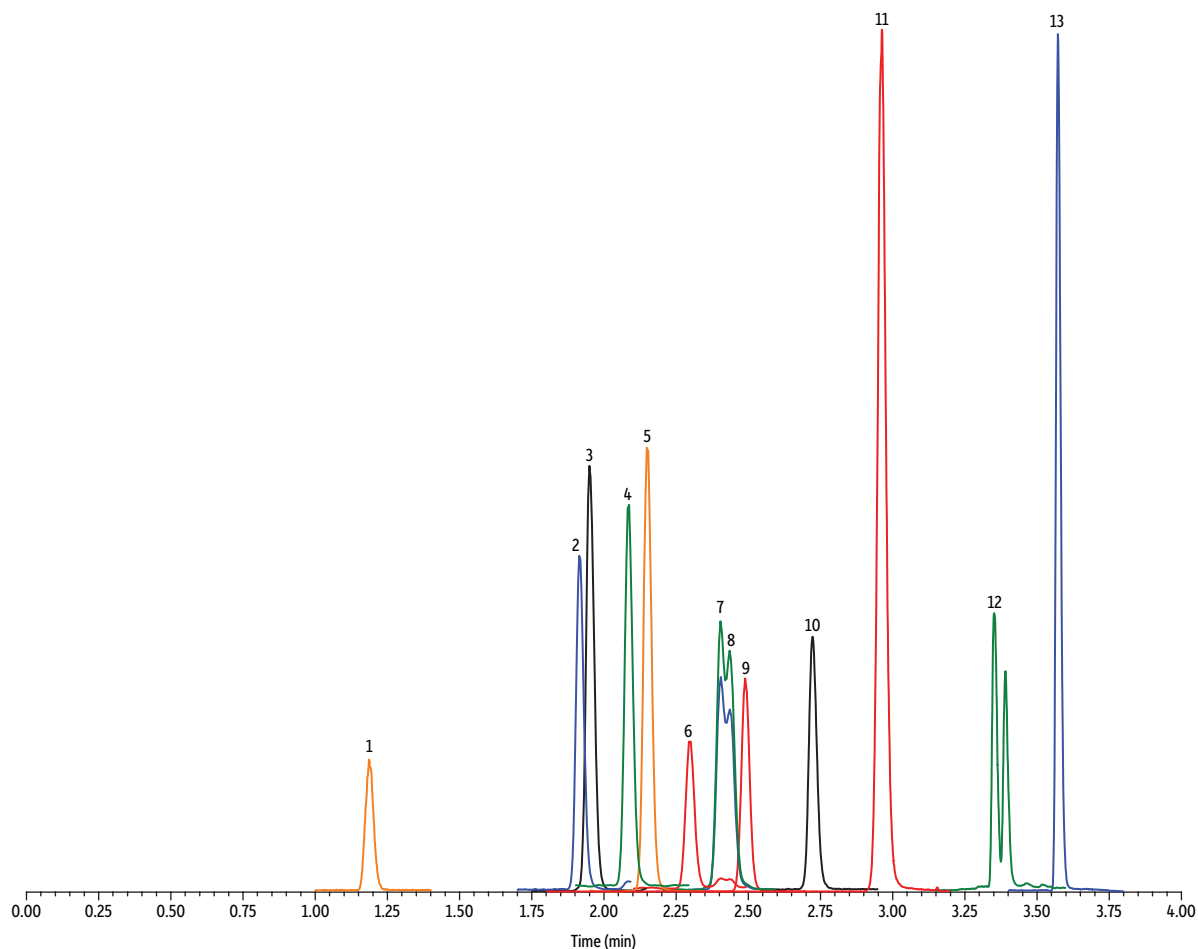


Synthetic and Naturally Occurring Glucocorticoids on Raptor™ Biphenyl by LC-MS/MS



LC_CF0658

Peaks	t _R (min)	Precursor Ion	Product Ion	Product Ion
1. Triamcinolone	1.19	395.1	357.1	91.2
2. Prednisolone	1.91	361.2	343.2	325.1
3. Cortisol	1.95	363.1	121.2	91.1
4. Prednisone	2.08	359.1	341.1	147.1
5. Cortisone	2.15	361.1	163.1	91.2
6. Methylprednisolone	2.30	375.1	357.1	91.1
7. Betamethasone	2.40	393.1	373.1	91.2
8. Dexamethasone	2.44	393.1	373.1	355.2
9. Flumethasone	2.49	411.1	121.1	91.2
10. Beclomethasone	2.72	409.2	391.2	147.2
11. 11-Deoxycortisol	2.96	347.1	109.1	97.0
12. Budesonide isomers*	3.35	431.1	413.2	147.1
13. Fluticasone propionate	3.57	501.0	313.1	293.2

*Retention time listed is for the first eluting isomer.

Column Raptor™ Biphenyl (cat.# 9309A12)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 40 °C
Sample
Diluent: Water:methanol (60:40)
Conc.: 20 ng/mL
Inj. Vol.: 5 µL
Mobile Phase
A: Water + 0.1% formic acid
B: Acetonitrile + 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	75	25
2.00	0.5	60	40
2.50	0.5	60	40
3.00	0.5	0	100
3.75	0.5	0	100
3.76	0.5	75	25
5.50	0.5	75	25

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