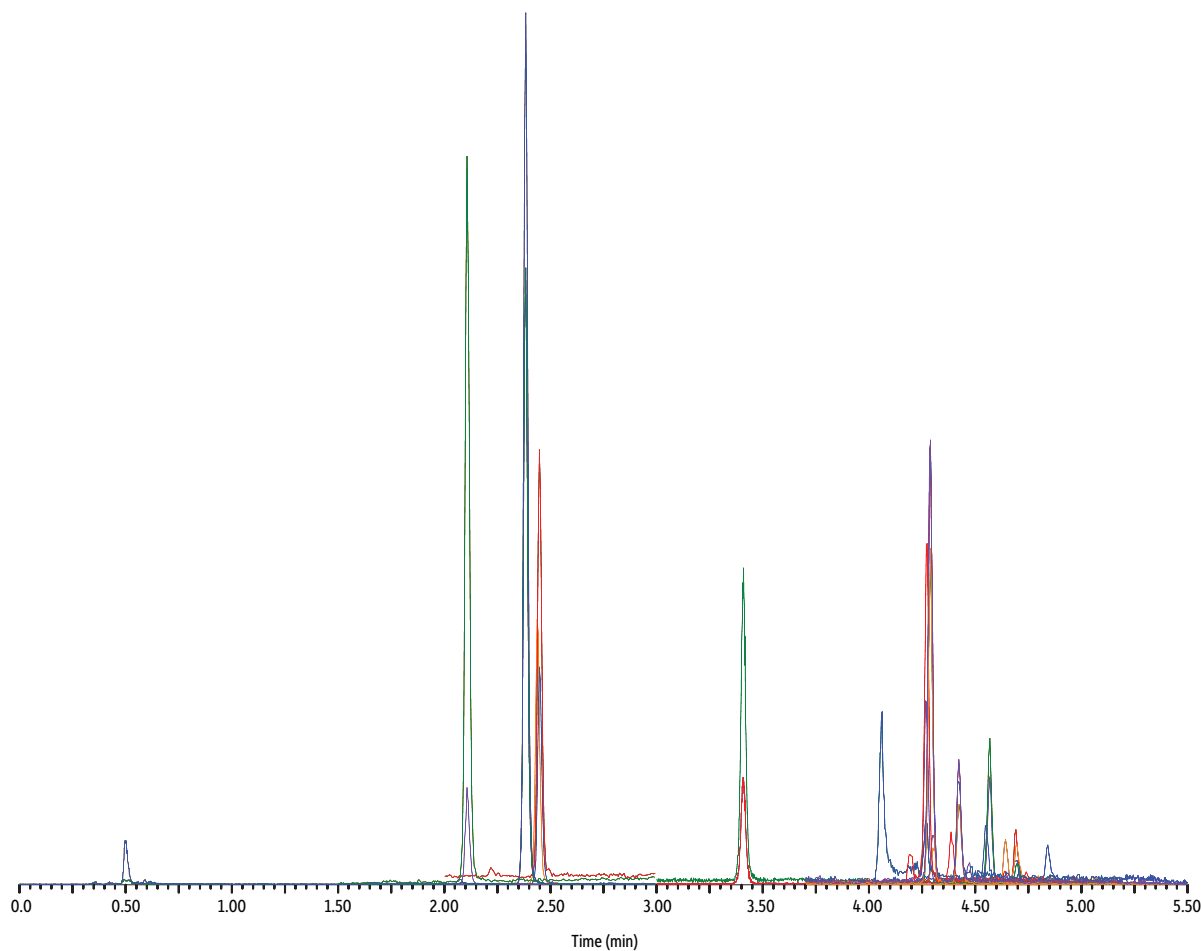


Synthetic Cannabinoids in Urine on Raptor™ Biphenyl by LC-MS/MS



LC_CF0584

Peaks	tr (min)	Q1	Q3 Quantifier	Q3 Qualifier
1. Pravadoline	2.11	379.29	135.04	114.16
2. AM2233	2.38	459.25	112.20	98.15
3. JWH-200-d5 (IS)	2.43	390.34	155.07	—
4. JWH-200	2.45	385.28	155.07	114.16
5. WIN 55, 212	3.41	427.29	155.07	127.14
6. RCS-4	4.16	322.27	135.12	77.09
7. JWH-015-d7 (IS)	4.27	335.28	155.07	—
8. JWH-250	4.27	336.28	121.12	91.07
9. JWH-015	4.29	328.26	155.07	127.13
10. AM2201	4.30	360.26	155.07	127.14
11. JWH-203	4.39	340.23	188.18	125.09
12. JWH-073	4.42	328.26	155.07	127.13
13. JWH-018-d9 (IS)	4.55	351.34	155.07	—
14. JWH-018	4.57	342.27	155.08	127.11
15. JWH-081	4.64	372.28	185.12	157.09
16. JWH-122	4.69	356.29	169.12	141.11
17. JWH-019	4.70	356.29	155.07	127.10
18. JWH-210	4.84	370.31	183.12	153.26

Column
Dimensions:
Particle Size:
Guard Column:
Temp.:
Sample
Conc.:

Raptor™ Biphenyl (cat.# 9309A5E)
50 mm x 3.0 mm ID
2.7 µm
Raptor™ Biphenyl EXP® 5 mm, 3.0 mm ID, 2.7 µm (cat.# 9309A0253)
30 °C
Custom
A 5 ng/mL standard was prepared in urine. 1 mL of the 5 ng/mL urine standard was diluted with 2 mL of 0.1% formic acid in 50:50 water:methanol prior to analysis.
2 µL

Inj. Vol.:
Mobile Phase
A:
B:

0.1% Formic acid in water
0.1% Formic acid in acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.600	75	25
1.0	0.600	75	25
5.0	0.600	5	95
5.5	0.600	5	95
5.51	0.600	75	25
7.0	0.600	75	25

Detector
Ion Source:
Ion Mode:
Mode:
Instrument
Notes

Waters Xevo TQ-S
Waters Zspray™ ESI
ESI+
MRM
Waters
Chromatogram collected using scheduled MRMs.