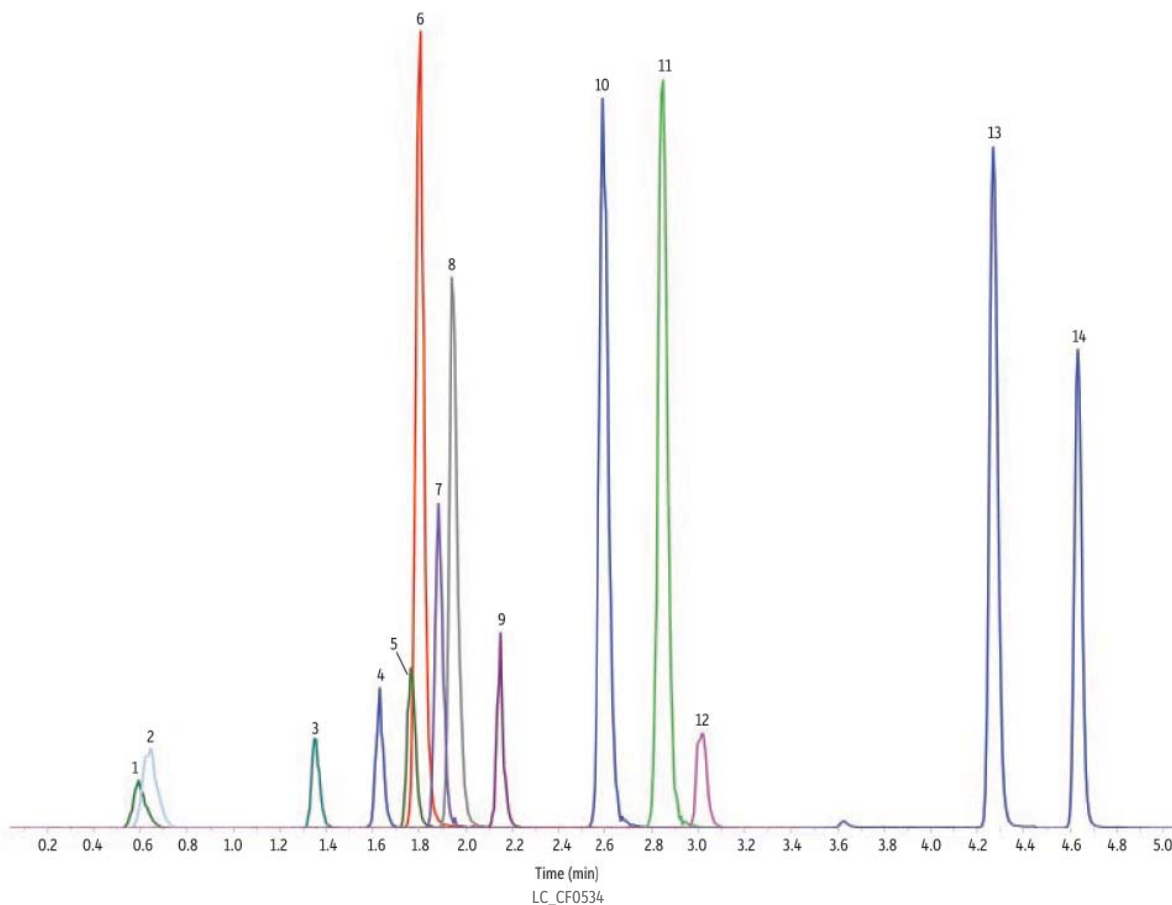


Drugs of Abuse on Ultra Biphenyl

Peaks	RT (min)	Positive MRM1	Positive MRM2	Positive MRM3	Negative MRM1	Negative MRM2	Negative MRM3
1. Ecgonine	0.58	186.1/168.2	186.1/150.9	186.1/82.2			
2. Ecgonine methyl ester	0.62	200.2/82.2	200.2/68.2	200.2/65.1			
3. Morphine	1.35	286.1/201.3	286.1/229.9	286.1/181.1			
4. Amphetamine	1.63	136.0/91.0	136.0/119.1	136.0/65.0			
5. Codeine	1.76	300.2/165.2	300.2/152.2	300.2/115.2			
6. Methamphetamine	1.80	150.0/91.2	150.0/119.0	150.0/65.0			
7. 6-MAM	1.88	328.1/165.1	328.1/211.1	328.1/152.2			
8. MDMA	1.94	194.1/163.1	194.1/105.1	194.1/133.0			
9. Benzoylcegonine	2.14	290.1/168.1	290.1/105.1	290.1/77.1			
10. Cocaine	2.59	304.2/182.1	304.2/82.1	304.2/105.0			
11. Cocaethylene	2.84	318.2/196.2	318.2/82.2	318.2/77.1			
12. PCP	3.02	244.2/86.1	244.2/159.2	244.2/91.1			
13. THC-COOH	4.27				343.0/299.2	343.0/190.8	343.0/245.4
14. THC	4.63	315.3/193.3	315.3/93.0	315.3/69.1			

The instrument was operated in multi-period mode for this experiment.
 Period 1 was ESI+, lasting from 0.0 min to 3.5 min
 Period 2 was ESI-, lasting from 3.5 min to 4.5 min
 Period 3 was ESI+, lasting from 4.5 min to 6.5 min



Column Ultra Biphenyl (cat.# 9109552)
 Dimensions: 50 mm x 2.1 mm ID
 Particle Size: 5 µm
 Pore Size: 100 Å
 Temp.: 30 °C

Sample
 Diluent: 0.1 Formic acid in water:0.1% formic acid in acetonitrile (98:2)
 Conc.: 50 ng/mL
 Inj. Vol.: 10 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	0.6	98	2
2.7	0.6	60	40
4.5	0.6	0	100
5.0	0.6	0	100
5.1	0.6	98	2

Detector Applied Biosystems/MDS Sciex LC-MS/MS
 Model #: API 4000
 Ion Source: TurbolonSpray®
 Ion Spray Voltage: +/- 4.5 kV
 Curtain Gas: 40 psi (275.8 kPa)
 Gas 1: 60 psi (413.7 kPa)
 Gas 2: 60 psi (413.7 kPa)
 Interface Temp.: 600 °C
 Mode: MRM
Instrument Applied Biosystems/MDS Sciex LC-MS/MS System