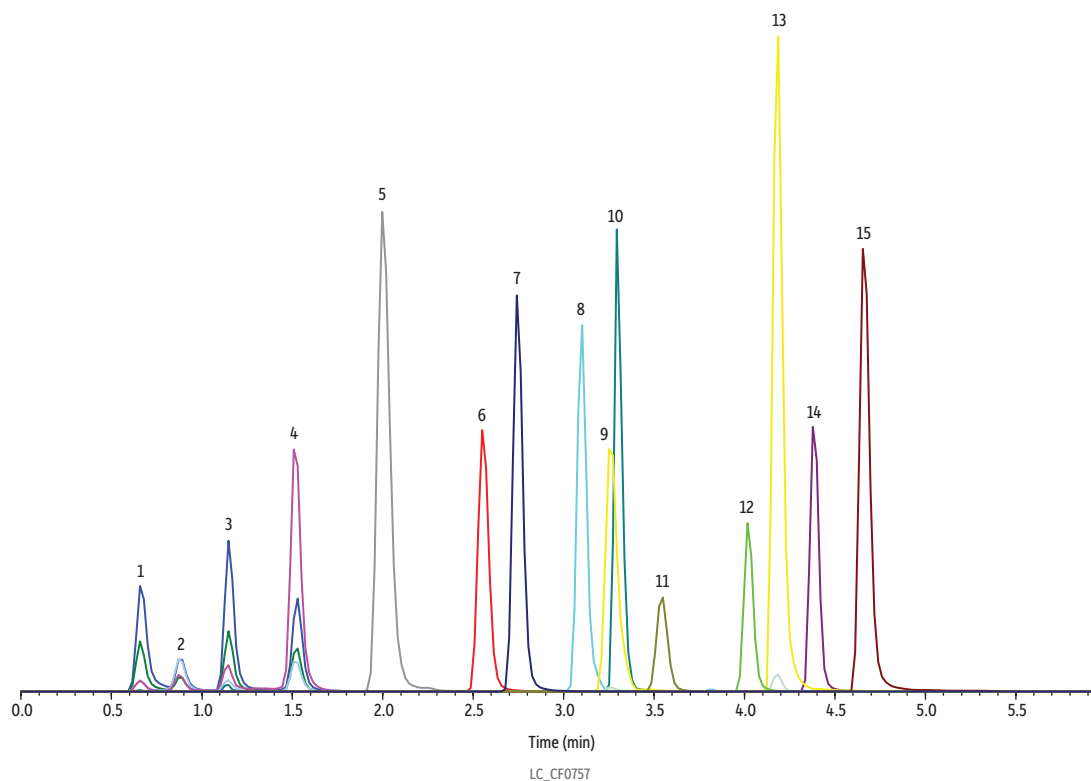


Translation Conditions for Method Translator Article: Drugs of Abuse on Raptor Biphenyl



Peaks	tr (min)	Precursor Ion	Product Ion
1. Morphine	0.66	286.2	152.1
2. Hydromorphone	0.88	286.2	184.9
3. Norcodeine	1.15	286.1	151.9
4. Norhydrocodone	1.51	286.1	199.0
5. 6 β -Naltrexol	2.0	344.3	326.1
6. Tramadol	2.55	264.2	58.0
7. Normeperidine	2.74	234.1	160.2
8. Mirtazapine	3.1	266.1	195.1
9. Clozapine	3.26	328.2	271.1
10. Pentazocine	3.3	286.2	218.1
11. 7-Aminoflunitrazepam	3.54	284.1	135.0
12. Fluoxetine	4.02	310.1	148.0
13. Loxapine	4.18	328.1	271.1
14. EMDP	4.38	264.2	235.2
15. Thioridazine	4.66	371.2	126.1

Column Raptor Biphenyl (cat.# 9309A52)
 Dimensions: 50 mm x 2.1 mm ID
 Particle Size: 2.7 μ m
 Pore Size: 90 \AA
 Temp.: 40 $^{\circ}$ C
Standard/Sample
 Diluent: Water
 Conc.: 0.5-10 μ g/mL
 Inj. Vol.: 1 μ L
Mobile Phase
 A: Water, 0.1% formic acid
 B: Methanol, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	85	15
3.20	0.5	50	50
4.90	0.5	0	100

Detector MS/MS
 Ion Source: Electrospray
 Ion Mode: ES+
 Mode: MRM
Instrument UHPLC

Sample Preparation A standard mix with 15 drugs of abuse was prepared in the concentrations ranging from 500-10,000 ng/mL in water. The solution was vortexed at 3000 rpm for 10 seconds to mix, and the supernatant was injected for LC-MS/MS analysis.