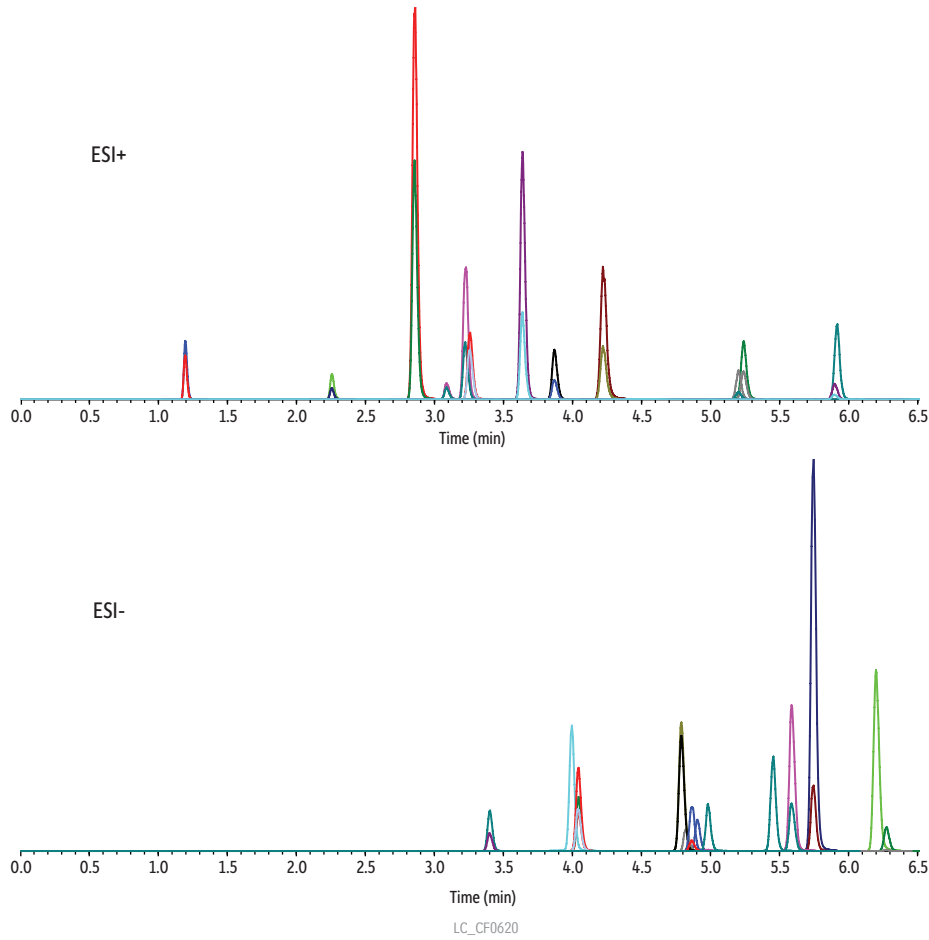


# Analgesics and Non-Steroidal Anti-Inflammatory Drugs (NSAID) on Raptor™ Biphenyl by LC-MS/MS



Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Product Ion	ESI Polarity
1. Acetaminophen	1.19	100	152.2	93.0	65.0	Positive
2. Tenoxicam	2.26	100	338.1	121.0	95.0	Positive
3. Etoricoxib	2.84	100	359.2	280.0	279.2	Positive
4. Lornoxicam	3.08	200	373.1	121.1	95.0	Positive
5. Ketorolac	3.22	100	256.1	104.9	77.0	Positive
6. Piroxicam	3.26	100	332.1	95.2	78.1	Positive
7. Loxoprofen	3.41	100	245.0	83.2	80.9	Negative
8. Tolmetin	3.64	100	258.1	119.1	91.0	Positive
9. Sulindac	3.83	100	357.2	233.1	248.0	Positive
10. Ketoprofen	4.00	100	253.0	209.0	--	Negative
11. Naproxen	4.05	200	229.0	168.9	184.9	Negative
12. Salsalate	4.05	100	256.8	136.8	92.9	Negative
13. Meloxicam	4.22	100	352.1	115.0	141.0	Positive
14. Etodolac	4.80	100	286.0	241.9	212.0	Negative
15. Fenoprofen	4.84	200	240.9	92.8	--	Negative
16. Oxaprozin	4.86	200	292.0	219.8	102.0	Negative
17. Ibuprofen	4.92	200	205.0	160.9	--	Negative
18. Flurbiprofen	4.99	100	243.0	199.0	196.8	Negative
19. Parecoxib	5.20	200	371.2	234.0	165.1	Positive
20. Nabumetone	5.23	100	229.1	171.1	128.1	Positive
21. Diclofenac	5.46	100	293.9	249.8	--	Negative
22. Indomethacin	5.60	100	356.0	311.8	296.9	Negative
23. Flufenamic acid	5.75	100	279.9	236.1	176.2	Negative
24. Celecoxib	5.90	200	382.2	362.0	300.1	Positive
25. Mefenamic acid	5.91	100	242.1	224.1	--	Positive
26. Tolfenamic acid	6.21	100	259.9	215.8	--	Negative
27. Meclufenamic acid	6.29	200	293.9	257.8	177.7	Negative

**Column** Raptor™ Biphenyl (cat.# 9309A12)  
 Dimensions: 100 mm x 2.1 mm ID  
 Particle Size: 2.7 µm  
 Guard Column: Raptor™ Biphenyl EXP® guard column cartridge 5 mm, 2.1 mm ID, 2.7 µm (cat.# 9309A0252)  
**Temp.:** 30 °C  
**Sample** Diluent: Water  
 Inj. Vol.: 5 µL  
**Mobile Phase**  
 A: Water + 0.1% formic acid + 5 mM ammonium formate  
 B: (95:5) Acetonitrile:water + 0.1% formic acid + 5 mM ammonium formate

Time (min)	Flow (mL/min)	%A	%B
0.00	0.6	95	5
1.00	0.6	70	30
6.50	0.6	40	60
6.51	0.6	95	5
8.50	0.6	95	5

**Detector** MS/MS  
**Ion Mode:** ESI+/ESI-  
**Mode:** Scheduled MRM  
**Instrument** UHPLC

- Notes**
1. Positive and negative polarity was collected simultaneously from a single injection.
  2. Oxaprozin displays enhanced sensitivity using positive polarity.