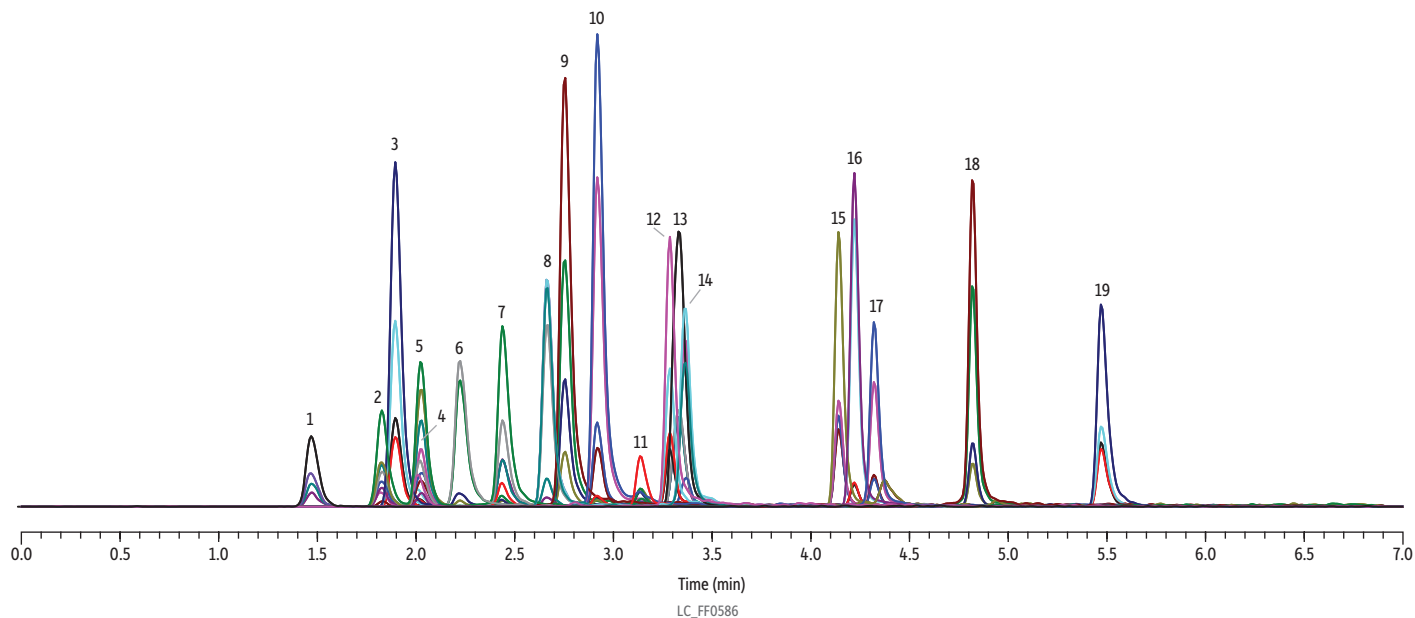


# Flavonoids on Raptor Biphenyl by LC-MS/MS



Peaks	tr (min)	Conc. (µg/g)	Precursor Ion	Product Ion 1	Product Ion 2	Product Ion 3	Polarity
1. Orientin	1.469	0.1	449	329.1	299.1	431	+
2. Vitexin	1.827	0.1	433	313.1	283	415.1	+
3. Rutin	1.895	1	609.1	300.1	301	271	-
4. Quercetin-3-O-glycopyranoside	2.01	0.1	463.1	300	301	271	-
5. Isovitexin	2.024	0.1	433.4	283	313.1	337	+
6. Luteolin-7-O-glucuronide	2.221	0.1	463	287.1	153.2	135.1	+
7. Fisetin	2.435	1	285	135	121	163	-
8. Apigenin-7-O-glucuronide	2.664	0.1	447	271.1	153.2	119.1	+
9. Quercetin	2.753	1	301	151	179	107	-
10. Luteolin	2.919	1	285	133	151	175	-
11. Kaempferol	3.137	1	285	92.9	239	185	-
12. Apigenin	3.266	0.1	271	153	119	69.1	+
13. Silymarin	3.322	1	481.1	301	125.1	152	-
14. Baicalin	3.363	0.1	447.1	271.1	123.1	253.1	+
15. Chrysin	4.141	1	253	143.2	63.1	209	-
16. Wogonin	4.220	0.1	285	270.1	151.2	179	+
17. Cannflavin B	4.321	0.1	369.1	313	298	165	+
18. Cannflavin A	4.620	0.1	437.1	313.1	165	298.1	+
19. B-sitosterol	5.472	1	397.4	161.1	135.1	147.2	+

**Column** Raptor Biphenyl (cat.# 9309A12)  
 Dimensions: 100 mm x 2.1 mm ID  
 Particle Size: 2.7 µm  
 Pore Size: 90 Å  
 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:methanol (60:40)  
 Inj. Vol.: 2 µL

**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	60	40
4.00	0.5	0	100
5.50	0.5	0	100
5.51	0.5	60	40
7.00	0.5	60	40

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