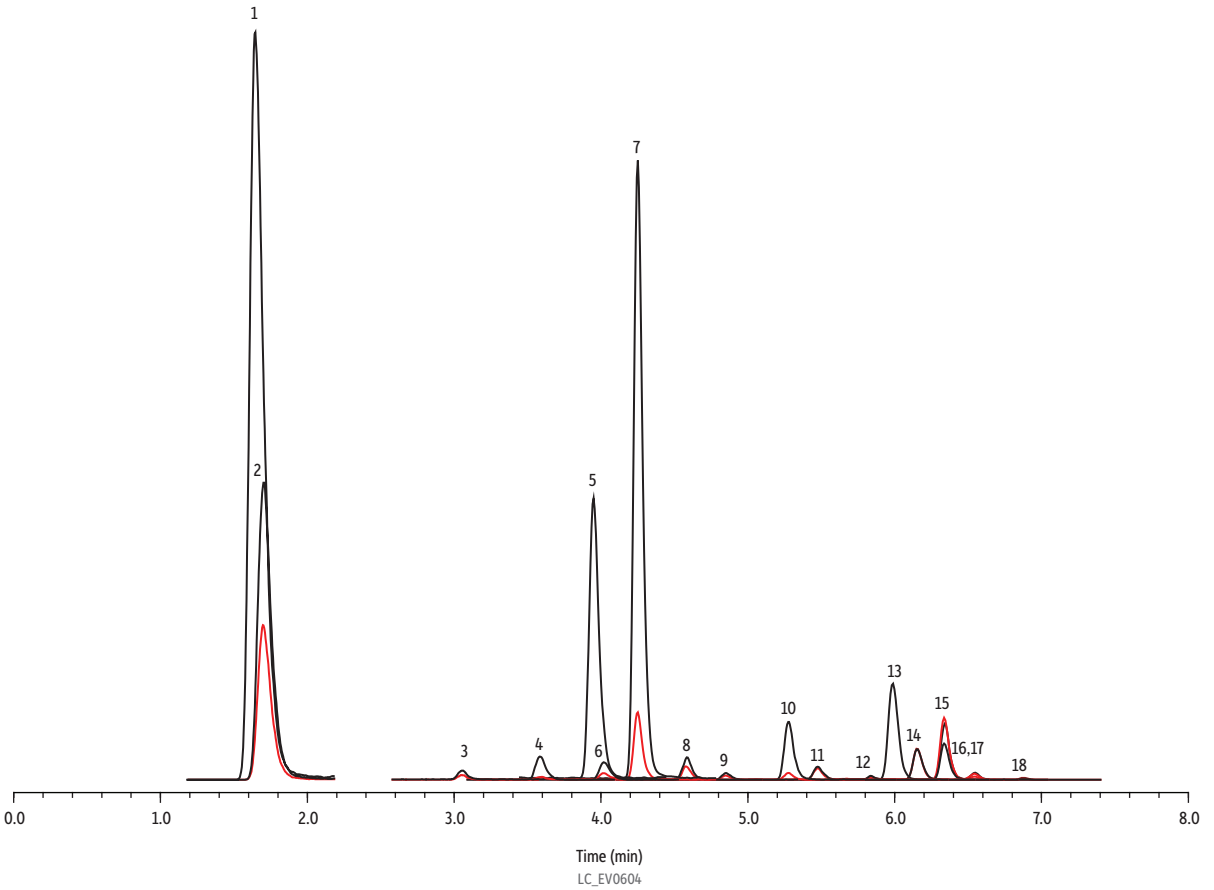
15 Bisphenols on Raptor Biphenyl by LC-MS/MS



Peaks	t_R (min)	Conc. (ng/mL)	Precursor Ion	Product Ion 1	Product Ion 2	Internal Standard
1. Bisphenol S-d8	1.65	30	257.0	112.2	-	1
2. Bisphenol S (BPB)	1.70	2.5	249.0	108.1	92.1	1
3. Bisphenol F (BPF)	3.06	2.5	199.0	93.1	104.9	2
4. Bisphenol E (BPE)	3.59	2.5	213.0	197.1	119.1	2
5. Bisphenol A-d16	3.95	30	241.0	223.3	-	2
6. Bisphenol A (BPA)	4.02	2.5	227.0	212.1	133.3	2
7. Bisphenol AF (BPAF)	4.25	2.5	335.0	265.1	177.2	3
8. Bisphenol B (BPB)	4.59	2.5	241.0	212.1	211.1	2
9. Bisphenol C (BPC)	4.85	2.5	255.0	240.2	147.2	2
10. Bisphenol AP (BPAP)	5.28	2.5	289.0	274.2	273.2	2
11. Bisphenol Z (BPZ)	5.48	2.5	267.0	173.2	223.1	2
12. Bisphenol G (BPG)	5.84	2.5	311.0	296.3	295.0	3
13. Bisphenol FL (BPFL)	5.99	2.5	349.0	256.2	215.2	2
14. Bisphenol BP (BPBP)	6.15	2.5	351.0	274.2	273.2	3
15. Bisphenol M (BPM)	6.34	2.5	345.0	251.2	330.2	3
16. Bisphenol P-13C4	6.50	30	349.0	333.2	-	3
17. Bisphenol P (BPP)	6.55	2.5	345.0	330.2	315.2	3
18. Bisphenol PH (BPPH)	6.87	2.5	379.0	364.1	209.2	3

Column Raptor Biphenyl (cat.# 9309A5E)
Dimensions: 50 mm x 3.0 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor Biphenyl EXP guard column cartridge 5 mm, 3.0 mm ID, 2.7 µm (cat.# 9309A0253)
Temp.: 30 °C
Standard/Sample
Diluent: Water
Conc.: 2.5 ng/mL
Inj. Vol.: 10 µL
Mobile Phase
A: Water
B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.8	60	40
1.00	0.8	60	40
6.50	0.8	15	85
7.00	0.8	15	85
7.01	0.8	60	40
8.50	0.8	60	40

Max Pressure: 329 bar
Detector Shimadzu 8060 MS/MS
Ion Source: Electrospray
Ion Mode: ESI-
Mode: MRM
Instrument Shimadzu Nexera X2
Sample Preparation Water samples were aliquoted into an amber short-cap vial (cat.# 21142) and fortified with analytes at 2.5 ng/mL. The samples were then capped with a 9 mm short cap (cat.# 24497) and vortexed ~30 seconds before being injection onto the LC-MS/MS for analysis.
Notes The flow was directed to waste for the first minute of analysis and after 7.00 minutes to maintain cleanliness of the source.