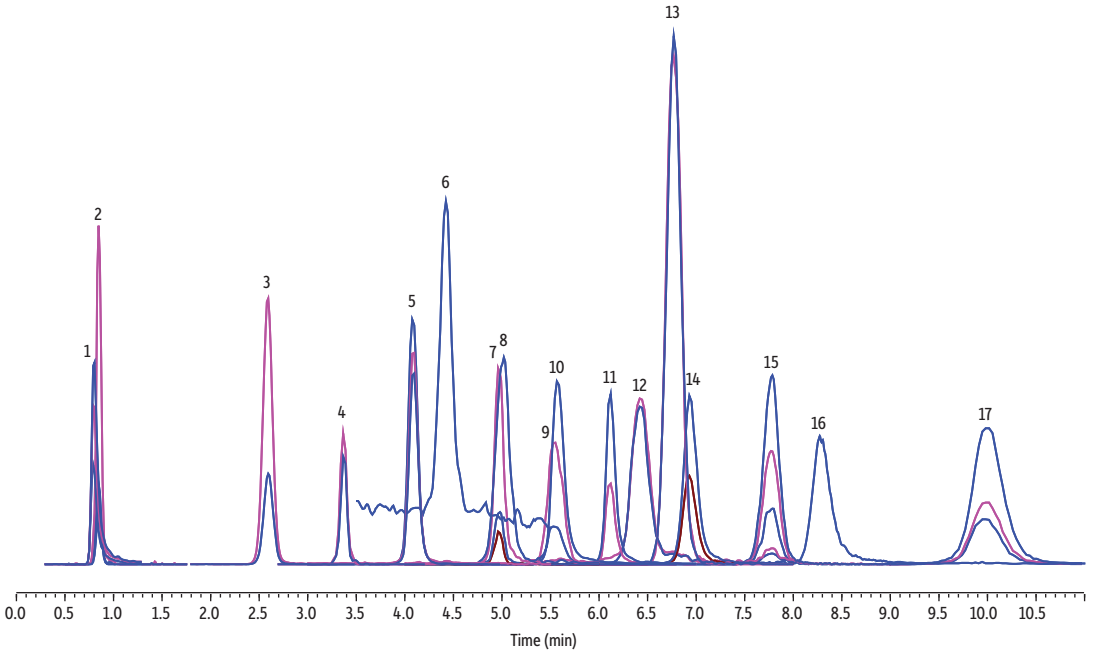
17 Polar Pesticide Panel on Raptor Polar X by LC-MS/MS



LC_FS0546

Peaks	t_R (min)	Conc. (ng/mL)	Precursor Ion	Product Ion 1	Product Ion 2	Product Ion 3	Precursor 2	Product Ion 2
1. Aminomethylphosphonic acid (AMPA)	0.805	200	110.1	79.1	63.1	81.1	-	-
2. Bialophos	0.847	100	322.2	88.2	216.1	134.2	-	-
3. Perchlorate	2.593	5	101.0	84.95	-	-	98.9	83
4. Glufosinate	3.376	200	180.2	85.2	95.1	-	-	-
5. 3-(Methylphophinico) propionic acid (MPPA)	4.076	100	151.0	63.0	107.1	133.2	-	-
6. Trifluoracetic acid (TFA)	4.423	20	113.0	69.1	19.1	-	-	-
7. 2-Hydroxyethane phosphonic acid (HEPA)	4.969	100	125.1	79.0	95.0	63	-	-
8. Difluoroacetic acid (DFA)	5.018	200	95.0	51.1	-	-	-	-
9. Chlorate	5.542	100	85.0	69.0	-	-	83.0	67.1
10. Ethephon	5.564	200	143.1	107.2	-	-	-	
11. Glyphosate	6.113	200	168.1	63.1	79.1	-	-	-
12. Bromide	6.423	2000	80.9	80.9	-	-	79.0	79.0
13. Bromate	6.771	600	129.0	113	-	-	127	111.1
14. N-acetyl AMPA	6.932	200	152.1	110.1	62.9	-	-	-
15. Fosetyl aluminum	7.775	80	109.1	81.0	63.0	78.9	-	-
16. Phosphonic acid	8.275	500	81.1	62.9	-	-	-	-
17. N-acetyl glufosinate	9.980	200	222.2	136.1	134.1	59.0	-	-

Column Raptor (cat.# 9311A32)
Dimensions: 30 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 35 °C
Sample
Diluent: Water
Inj. Vol.: 1 µL
Mobile Phase
A: Water, 0.5% formic acid
B: Acetonitrile, 0.5% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	35	65
5.0	0.5	90	10
11.5	0.5	90	10
11.51	0.5	35	65
13	0.5	35	65

Detector MS/MS
Ion Mode: ESI-
Mode: MRM
Instrument UHPLC