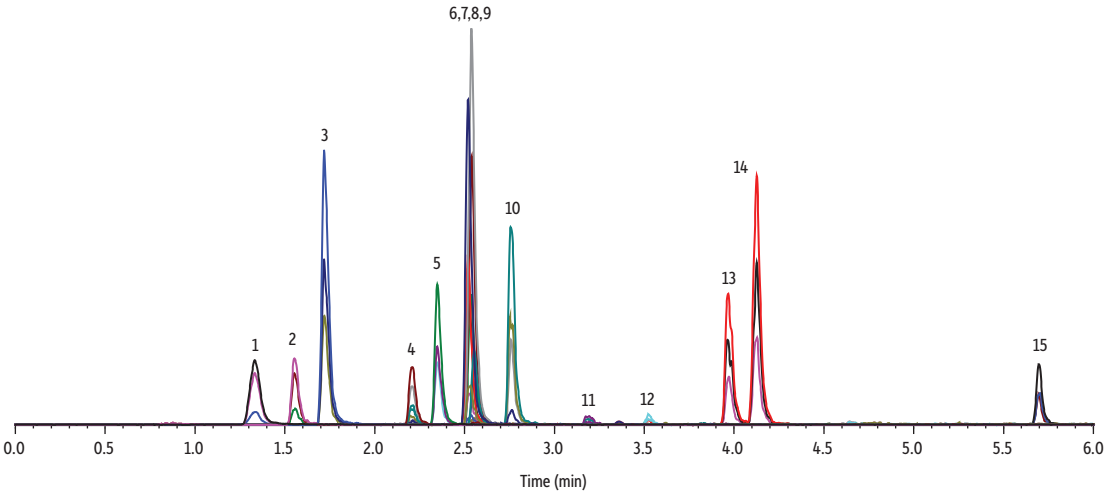
Pesticides on Raptor Inert ARC-18



LC_EV0596

Peaks	t_R (min)	Precursor Ion	Product Ion 1	Product Ion 2	Peak Area	Peak Height
1. Methamidophos	1.33	142.0	94.0	125.1	428941	105189
2. Acephate	1.55	184.0	143.0	48.9	300642	104729
3. Omethoate	1.72	214.0	125.0	182.9	892008	337690
4. Monocrotophos	2.21	224.1	127.0	193.1	215810	78425
5. Dicrotophos	2.35	238.1	112.1	72.0	404916	159292
6. Dimethoate	2.52	230.0	125.0	199.0	807805	342939
7. Trichlorfon	2.53	257.0	108.9	220.8	173942	63266
8. Vamidothion	2.54	288.0	146.0	118.0	1333829	547308
9. Mevinphos isomer 1	2.55	241.9	126.9	192.9	311274	129961
10. Mevinphos isomer 2	2.76	241.9	126.9	192.9	74030	29802
11. Carbaryl	3.18	202.1	145.0	127.0	39671	11924
12. Isocarbophos	3.52	291.1	231.1	121.1	33294	11941
13. Dimethomorph isomer 1	3.96	388.2	300.9	165.1	511766	172977
14. Dimethomorph isomer 2	4.13	388.2	300.9	165.1	877031	328826
15. Temephos	5.70	467.1	124.9	418.9	164310	64751

Column Raptor Inert ARC-18 (cat.# 9314A12-T)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 50 °C
Standard/Sample LC multiresidue pesticide standard #1 (cat.# 31972)
Diluent: Water, 0.1% formic acid
Conc.: 1 ng/mL
Inj. Vol.: 5 µL
Mobile Phase
A: Water, 2 mM ammonium formate, 0.1% formic acid
B: Methanol, 2 mM ammonium formate, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	95	5
2.00	0.4	40	60
4.00	0.4	25	75
6.00	0.4	0	100
7.50	0.4	0	100
7.51	0.4	95	5
9.00	0.4	95	5

Max Pressure: 258 bar
Detector Shimadzu LCMS-8060
Ion Mode: ESI+
Mode: MRM
Instrument Shimadzu Nexera X2