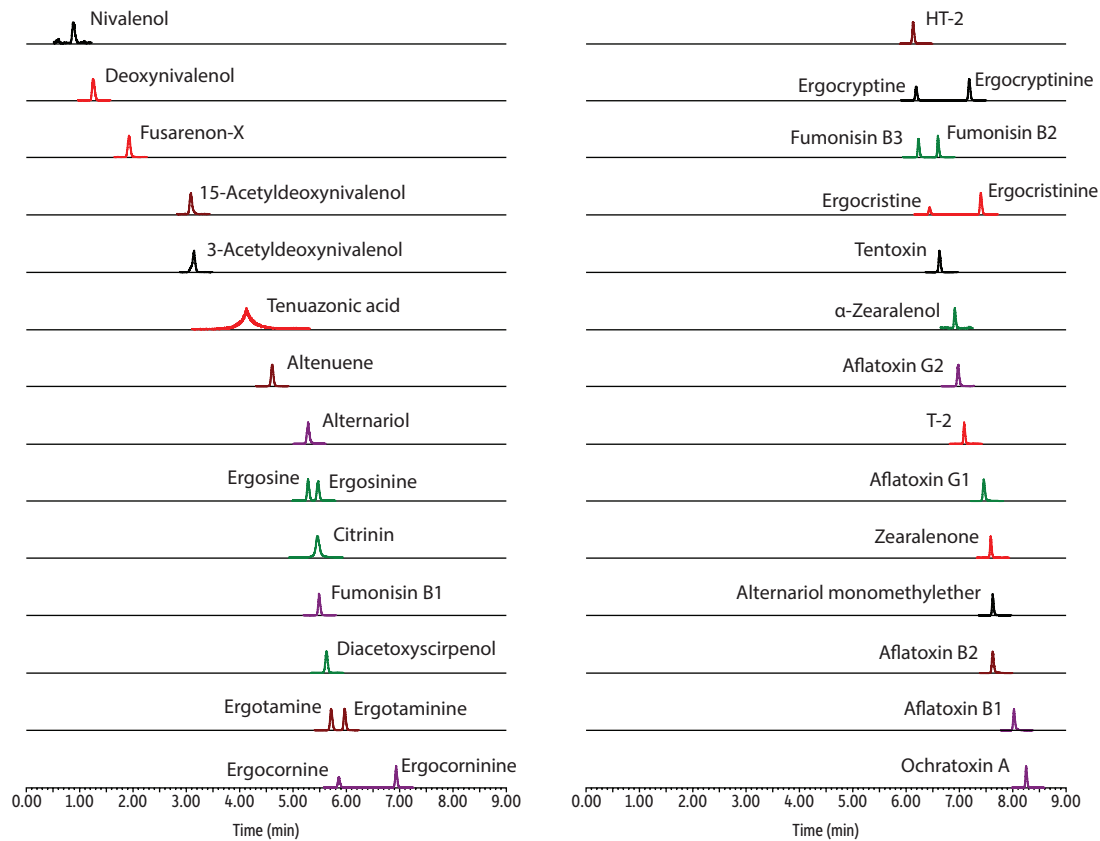


Multi-Mycotoxin Analysis on Inert Raptor Biphenyl



LC_FS0552

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Peak Area	Peak Height
1. Nivalenol	0.88	10	295.1	137.1	4182	64495
2. Deoxynivalenol	1.25	10	297.2	231.0	17346	281906
3. Fusarenon-X	1.92	10	355.1	137.1	7668	121790
4. 15-Acetyldeoxynivalenol	3.08	10	339.2	137.1	31369	517570
5. 3-Acetyldeoxynivalenol	3.14	10	339.2	213.1	22613	296396
6. Tenuazonic acid	4.11	10	198.1	125.0	47828	197658
7. Altenuene	4.60	10	293.2	257.1	113850	2059699
8. Alternariol	5.27	10	259.0	185.1	73272	1302192
9. Ergosine	5.28	10	548.4	208.1	486620	9366601
10. Citrinin	5.46	10	251.2	233.1	1007880	9828889
11. Ergosinine	5.46	10	548.4	208.1	496734	8740527
12. Fumonisin B1	5.48	10	722.5	352.3	122878	2415567
13. Diacetoxyscirpenol	5.62	10	384.2	247.1	68139	1208825
14. Ergotamine	5.71	10	582.4	223.2	493003	9274155
15. Ergocornine	5.85	10	562.4	268.2	387025	7732744
16. Ergotaminine	5.96	10	582.4	223.2	462119	9237991
17. HT-2	6.13	10	447.2	345.1	323765	323765
18. Ergocryptine	6.19	10	576.4	268.2	522204	11360838
19. Fumonisin B3	6.23	10	706.4	336.2	143302	3444421
20. Ergocristine	6.44	10	610.4	223.2	195562	4450058
21. Fumonisin B2	6.59	10	706.4	336.2	151719	3869822
22. Tentoxin	6.62	10	415.2	312.2	95175	2131906
23. α-Zearalenol	6.91	10	303.1	285.1	30224	702420
24. Ergocorninine	6.93	10	562.4	268.2	704029	14389283
25. Aflatoxin G2	6.97	10	331.2	189.0	262824	5274353
26. T-2	7.09	10	489.2	387.1	56535	1394735
27. Ergocryptinine	7.18	10	576.4	268.2	778972	16765348
28. Ergocristinine	7.40	10	610.4	223.2	1583053	32975663
29. Aflatoxin G1	7.45	10	329.1	199.7	304389	6102959
30. Zearalenone	7.59	10	319.2	283.1	37162	927455
31. Alternariol monomethylether	7.62	10	273.0	199.1	31024	640689
32. Aflatoxin B2	7.63	10	315.1	287.0	295648	5724754
33. Aflatoxin B1	8.02	10	313.2	241.1	223520	4425821
34. Ochratoxin A	8.25	10	404.1	239.0	190060	4411953

Column Raptor Inert Biphenyl (cat.# 9309A12-T)
 Dimensions: 100 mm x 2.1 mm ID
 Particle Size: 2.7 µm
 Pore Size: 90 Å
 Temp.: 60 °C
Standard/Sample Aflatoxins standard (cat.# 34121)
 Ochratoxin A standard (cat.# 34122)
 Diluent: 50:50 Water:methanol
 Conc.: 10 ng/mL
 Inj. Vol.: 5 µL
Mobile Phase
 A: Water, 0.05% formic acid
 B: Methanol, 0.05% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	75	25
5.00	0.4	50	50
9.00	0.4	0	100
9.01	0.4	75	25
11.0	0.4	75	25

Max Pressure: 440 bar
Detector Waters Xevo TQ-S
 Ion Mode: ESI+
 Mode: MRM
Instrument Waters ACQUITY UPLC I-Class

