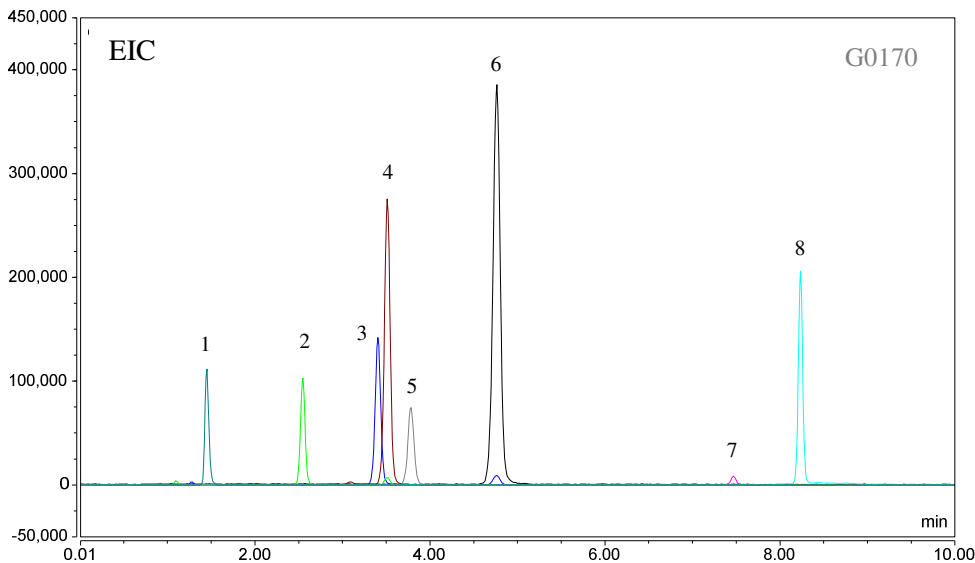


## LC-MS Analysis of Multiple Mycotoxins on HALO® 90 Å Biphenyl



### PEAK IDENTITIES:

1. Fumonisin B1 (m/z: 722.8)
2. Aflatoxin G2 (m/z: 331.3)
3. Aflatoxin B2 (m/z: 315.3)
4. Aflatoxin G1 (m/z: 329.3)
5. Fumonisin B2 (m/z: 706.8)
6. Aflatoxin B1 (m/z: 313.3)
7. Zearalenone (m/z: 319.4)
8. Ochratoxin A (m/z: 404.8)

### TEST CONDITIONS:

Column: HALO 90 Å Biphenyl, 2.7 µm, 2.1 x 100mm

Part Number: 92812-611

Mobile Phase A: water with 0.1% formic acid/  
5mM ammonium formate

Mobile Phase B: acetonitrile with 0.1% formic acid/  
5mM ammonium formate

Gradient:	Time	%B
	0.0	32
	5.0	34
	10.0	60

Flow Rate: 0.4 mL/min

Initial Pressure: 182 bar

Temperature: 40°C

Detection: LC-MS

Injection Volume: 2.0 µL

MS System: Thermo Fisher Orbitrap VelosPro ETD

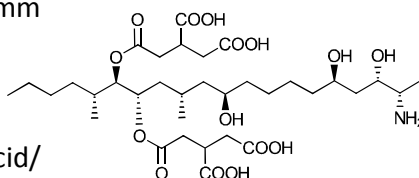
ESI: +4

Heat Block: 350°C

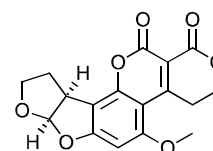
Sheath Gas Flow: 34.88

Aux Gas Flow: 10.00

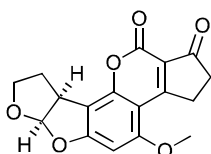
### STRUCTURES:



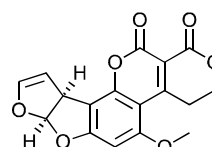
Fumonisin B1 (FB1)



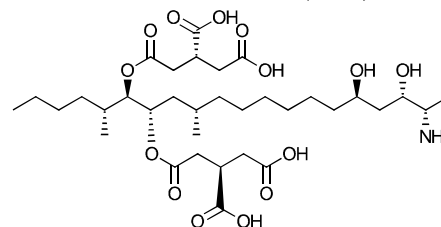
Aflatoxin G2 (AFG2)



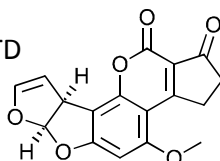
Aflatoxin B2 (AFB2)



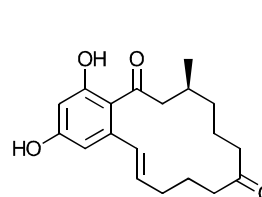
Aflatoxin G1 (AFG1)



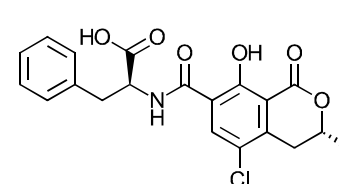
Fumonisin B2 (FB2)



Aflatoxin B1 (AFB1)



Zearalenone (ZON)



Ochratoxin A (OTA)