

## EPA Method 1613: Benzofurans Only

**Column:** Zebron ZB-5ms  
**Dimensions:** 60meter x 0.25mm x 0.25µm  
**Order No.:** 7KG-G010-11  
**Injection:** Splitless @ 250°C, 2µL  
**Carrier Gas:** Constant Pressure Helium 26 cm/sec @ 200°C  
**Oven Program:** 120°C for 1 min to 220°C at 20°C/min hold for 16min to 235°C at 5°C/min hold 7min to 300°C at 5°C/min hold 15min

**Detector:** High Resolution Mass Spectrometer (HRMS) - ThermoFinnigan® MAT-95

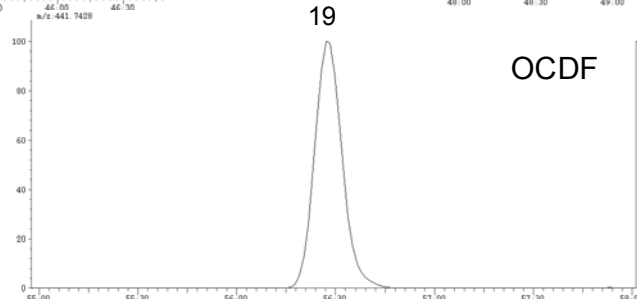
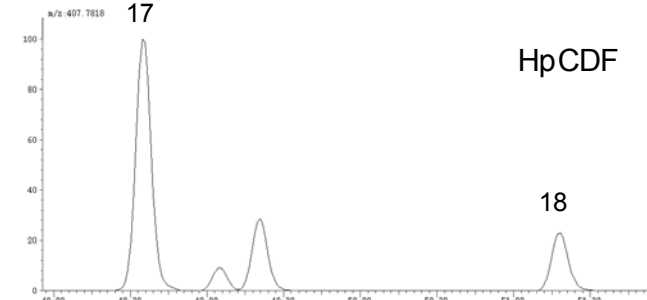
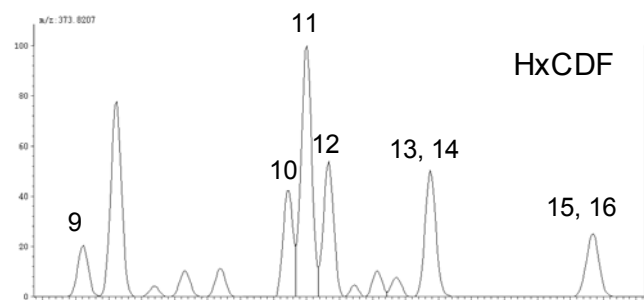
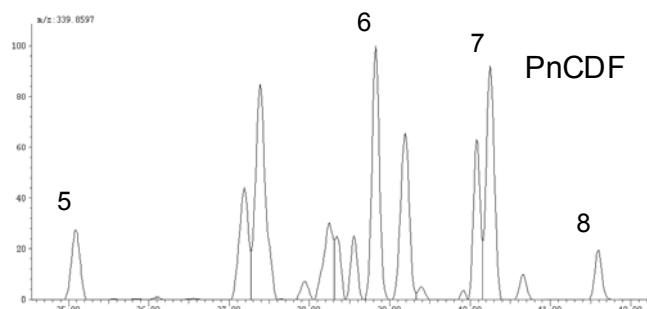
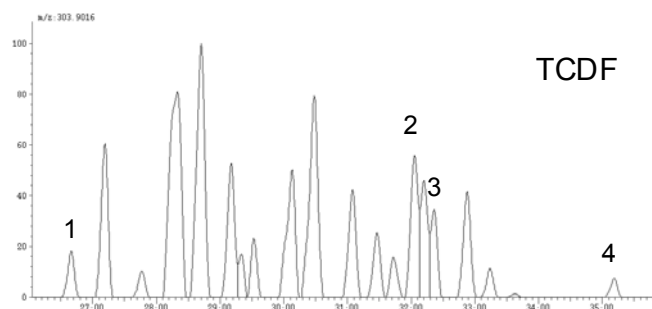
**Sample:**

1. 1,3,6,8-TCDF	6. 1,2,3,7,8-PnCdf	11. 1,2,3,4,7,8-HxCDF	17. 1,2,3,4,6,7,8-HpCDF
2. 2,3,4,7-TCDF	7. 2,3,4,7,8- PnCdf	12. 1,2,3,6,7,8-HxCDF	18. 1,2,3,4,7,8,9-HpCDF
3. 2,3,7,8-TCDF + Possible unknown TCDF	8. 1,2,3,8,9-PnCdf	13. 1,2,3,6,8,9-HxCDF	19. OCDF
4. 1,2,8,9-TCDF	9. 1,2,3,4,6,8-HxCDF	14. 2,3,4,6,7,8-HxCDF	
5. 1,3,4,6,8/1,2,4,6,8-PnCdf	10. 1,2,3,4,6,7-HxCDF	15. 1,2,3,7,8,9-HxCDF	
		16. 1,2,3,4,8,9-HxCDF	

### Note

Mass Chromatograms are courtesy of V.N. Fishman, G.D. Martin, and L.L. Lamparski, The Dow Chemical Company, Midland, Michigan, USA

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