

# GC Application

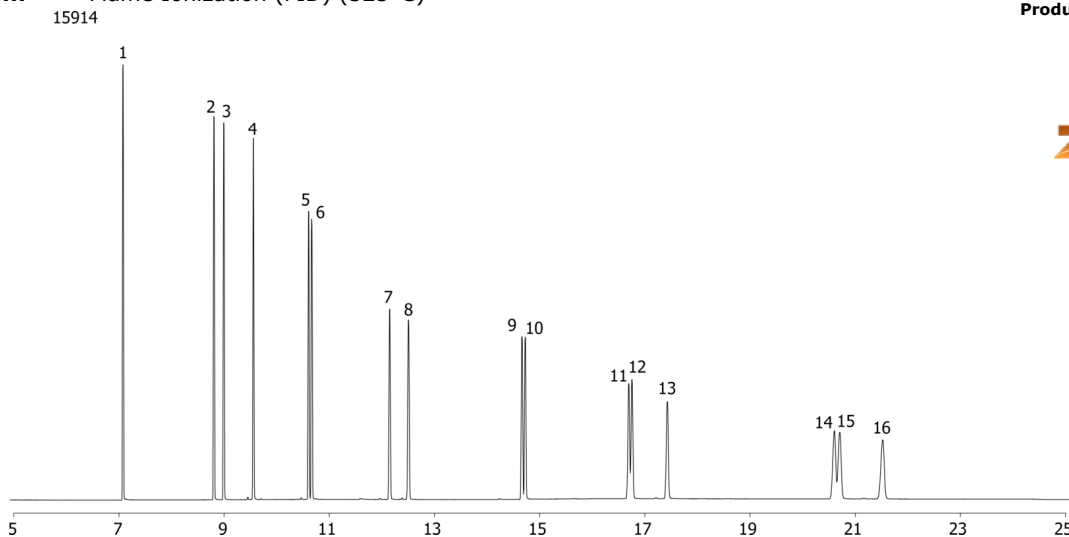
ID No.: 15914

## EPA 610 (Polynuclear Aromatic Hydrocarbons - PAHs) on ZB-5MS

**Column:** Zebtron™ ZB-5MS, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea  
**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane  
**Dimensions:** 30 meters x 0.25 mm x 0.25 μm  
**Order No:** 7HG-G010-11  
**Oven Profile:** 40°C for 2 min to 250°C at 25°C/min to 265°C at 5°C/min to 300°C at 25°C/min for 10 min  
**Carrier Gas:** Constant Pressure Hydrogen, 1.2 mL/min  
**Injection:** Split 125:1 0.5 μL @ 140°C  
**Detection:** Flame Ionization (FID) (325°C)



Products used in this application:



## EPA 610 (Polynuclear Aromatic Hydrocarbons - PAHs) on ZB-5MS

### ANALYTES:

- 1 Naphthalene
- 2 Acenaphthylene
- 3 Acenaphthene
- 4 Fluorene
- 5 Phenanthrene
- 6 Anthracene
- 7 Fluoranthene
- 8 Pyrene
- 9 Benzo[a]anthracene
- 10 Chrysene
- 11 Benzo[b]fluoranthene
- 12 Benzo[k]fluoranthene
- 13 Benzo[a]pyrene
- 14 Indeno[1,2,3-cd]pyrene
- 15 Dibenz[a,h]anthracene
- 16 Benzo[g,h,i]perylene

