

# GC Application

ID No.: 15560

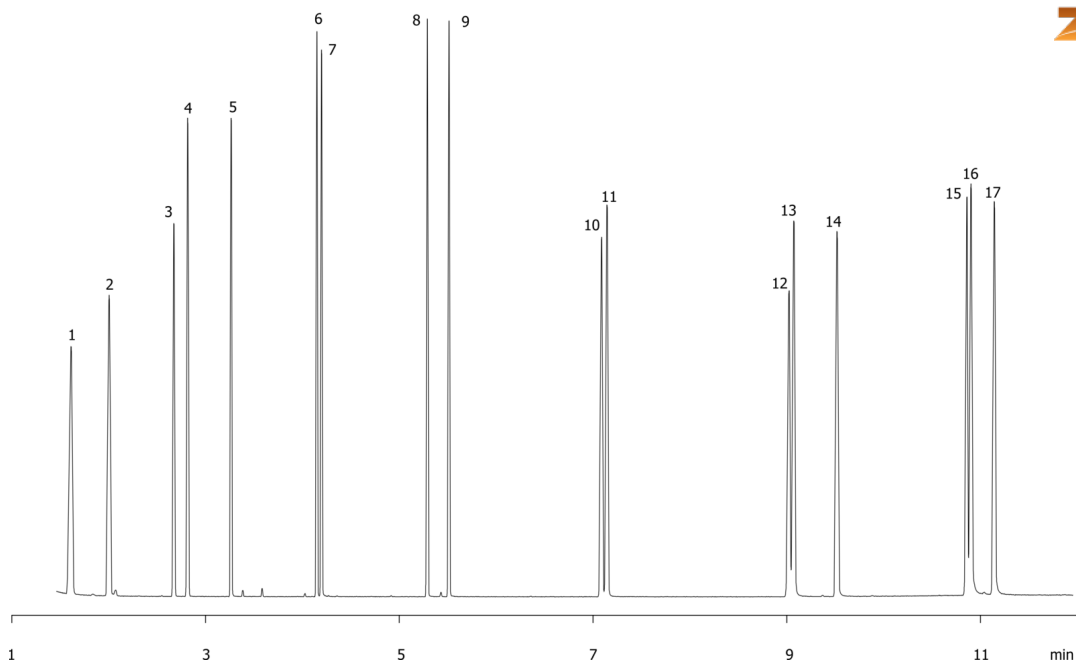
## Polynuclear Aromatic Hydrocarbons (PAHs) on ZB-5MS

**Column:** Zebtron™ ZB-5MS, GC Cap. Column 20 m x 0.18 mm x 0.18 μm, Ea  
**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane  
**Dimensions:** 20 meters x 0.18 mm x 0.18 μm  
**Order No:** 7FD-G010-08  
**Oven Profile:** 130°C for 0.5min to 250°C at 25°C/min to 270°C at 6°C/min to 320°C at 25°C/min for 4 min  
**Carrier Gas:** Constant Flow Helium, 1.2 mL/min  
**Injection:** Split 15:1 1 μL @ 285°C  
**Detection:** Mass Selective (MSD) (180°C)

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Products used in this application:



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

### ANALYTES:

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

