

# GC Application

ID No.: 14942

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

**Column:** Zebtron<sup>™</sup> ZB-5 w/GUARDIAN<sup>™</sup>, 5 m, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

**Phase:** 5% Phenyl 95% Dimethylpolysiloxane

**Dimensions:** 30 meters x 0.25 mm x 0.25 μm

**Order No:** 7HG-G002-11-GGA

**Oven Profile:** 170°C to 240°C at 15°C/min to 275°C at 4°C/min to 320°C at 10°C/min for 5 min.

**Carrier Gas:** Constant Flow Helium, 1.4 mL/min

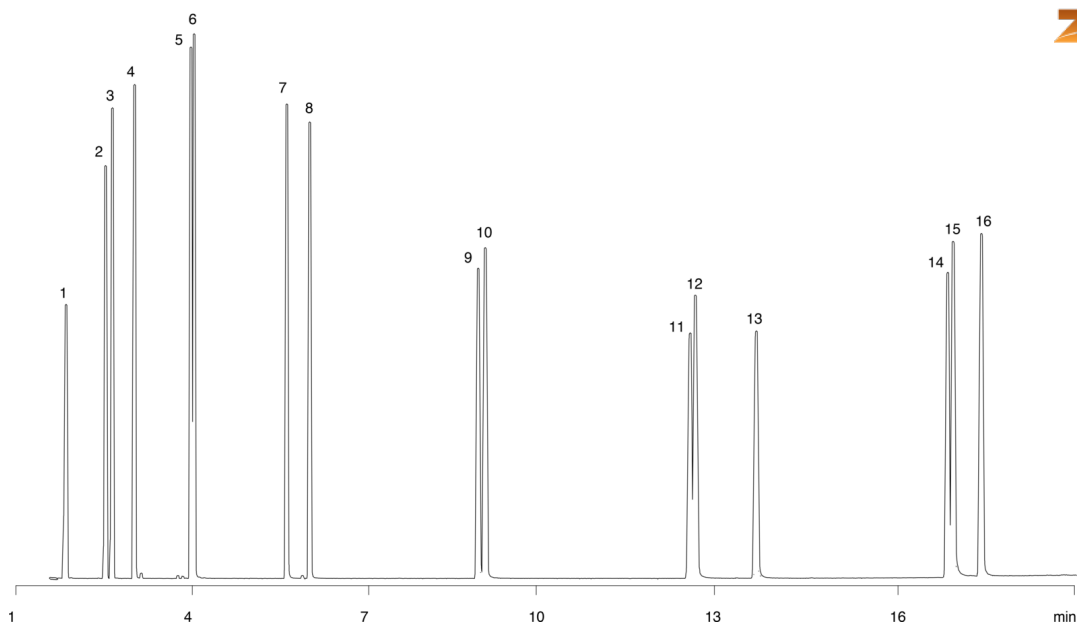
**Injection:** Split 15:1 1 μL @ 260°C

**Detection:** Mass Selective (MSD) (280°C)

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Products used in this application:



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### ANALYTES:

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

