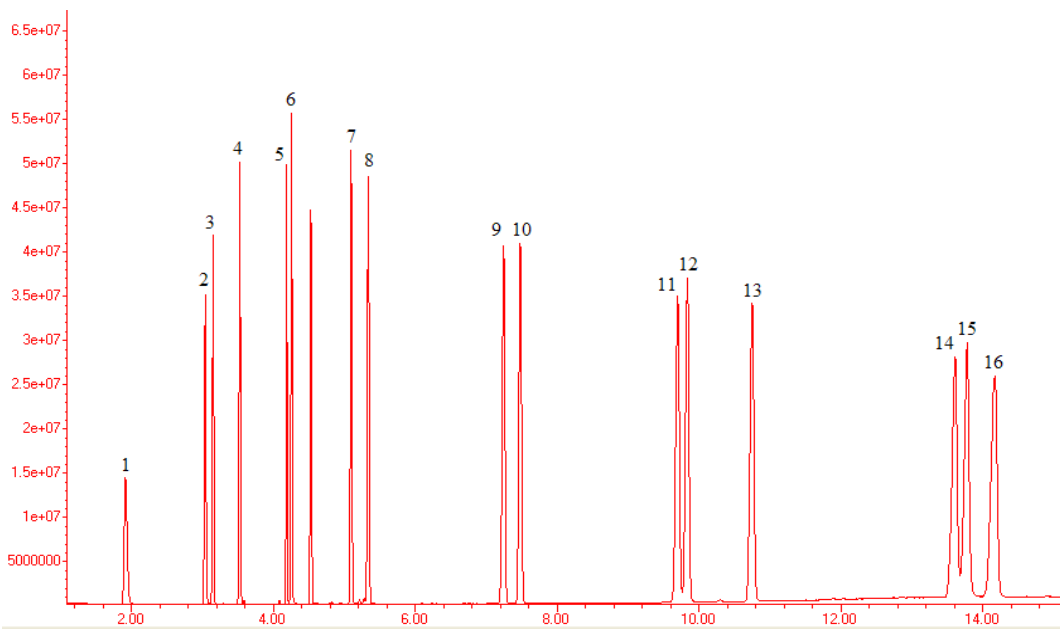


Fast Analysis of PAH (MSD)

Highlights of Application of ICB-PAH Column for fast analysis using GC/MSD

- There is no need to modify your GC/MSD hardware or software to use an ICB-PAH column
- The stationary phase is immobilized and chemically bonded, allowing the column to be rejuvenated by solvent rinsing
- The column operating range is 80°C to 285°C. The lower temperature limit makes the column suitable for use with cool on-column injectors, and the low column bleed (< 5pA) at the upper temperature limit facilitates reduced detection limits (< 10ppb) using GC/MSD SIM analysis
- The ICB-PAH column is suitable for separation and unambiguous detection of isomeric PAH in complex environmental samples
- Unambiguous detection and trace analysis of PAH



GC/MSD Conditions
Sample: 16 component EPA Method 610 PAH standard (100pg/ μ l in DCM) 1 μ l injection
Column: ICB-PAH, 12m x 0.25mm, 0.15 μ m film, Cat. No. 6312 25015
Injector: Split/Splitless @ 250°C
Detector: HP 5970 MSD, Transfer Line 290°C
Carrier: Helium.
Program: 80°C - 220°C @ 40°C/min
220°C - 285°C @ 8°C/min
285°C for 5 minutes

Peaks
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-c,d]pyrene
15. Benz[a,h]anthracene
16. Benzo[g,h,i]perylene