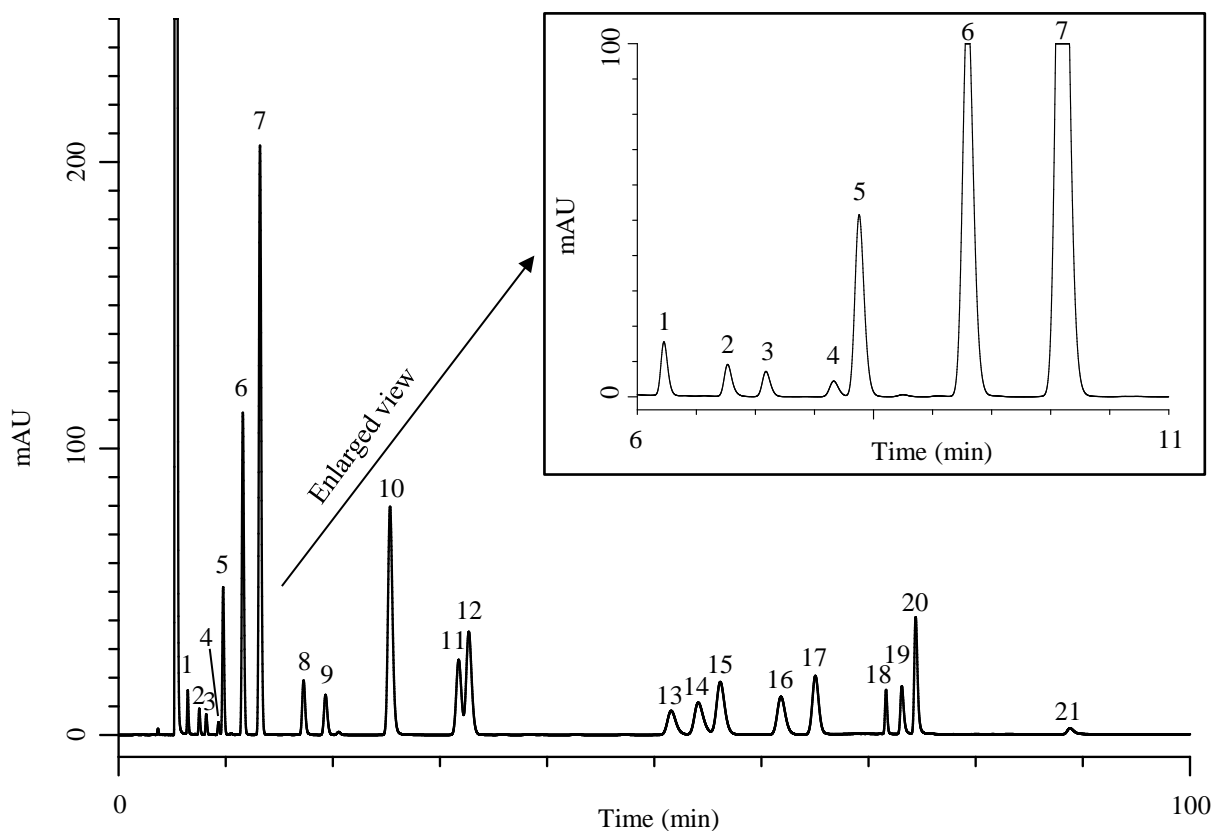


## Analysis of Polycyclic Aromatic Hydrocarbons (PAHs)



### Conditions

**System** : Chromaster HPLC system  
**Column** : InertSustain C30 (GL Sciences Inc.)  
 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-17145  
**Eluent** : A) CH<sub>3</sub>CN  
 B) H<sub>2</sub>O

Time (min)	A (vol%)	B (vol%)
0.0	70	30
40.0	70	30
60.0	75	25
65.0	100	0
100.0	100	0

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 254 nm  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : PAHs

### Analyte:

1. Naphthalene	10 mg/L
2. Acenaphthylene	10 mg/L
3. 1-Methylnaphthalene	10 mg/L
4. Acenaphthene	10 mg/L
5. Fluorene	10 mg/L
6. Phenanthrene	10 mg/L
7. Anthracene	10 mg/L
8. Fluoranthene	10 mg/L
9. Pyrene	10 mg/L
10. Triphenylene	10 mg/L
11. Benzo-[a]-anthracene	10 mg/L
12. Chrysene	10 mg/L
13. Benzo-[e]-pyrene	10 mg/L
14. Perylene	10 mg/L
15. Benzo-[b]-fluoranthene	10 mg/L
16. Benzo-[k]-fluoranthene	10 mg/L
17. Benzo-[a]-pyrene	10 mg/L
18. Dibenz-[a,h]-anthracene	10 mg/L
19. Benzo-[g,h,i]-perylene	10 mg/L
20. Indeno-[1,2,3-cd]pyrene	10 mg/L
21. Coronene	10 mg/L