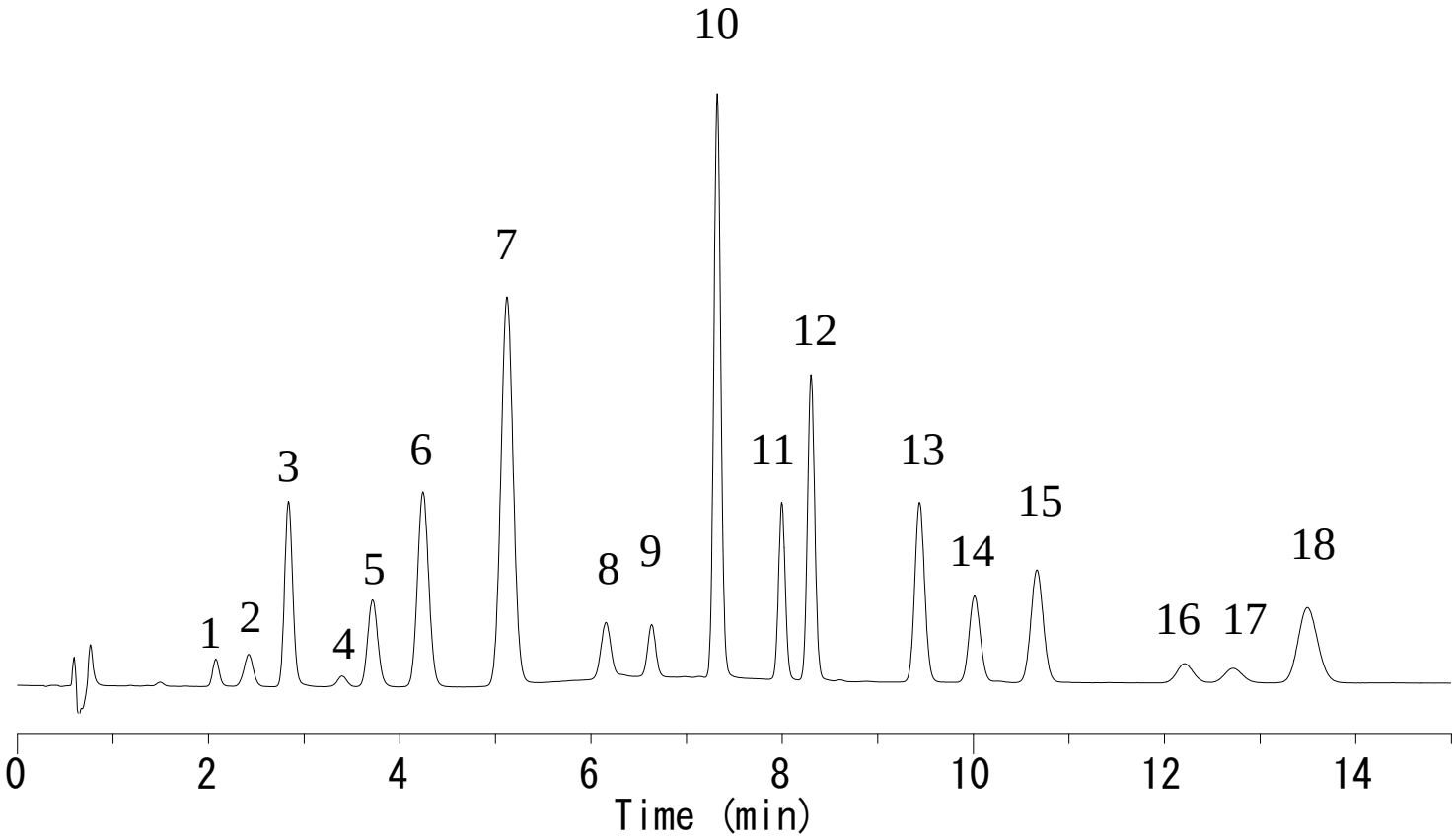
InertSearch™ for LC

Inertsil® Applications

Analysis of Polycyclic aromatic hydrocarbons (PAHs) （Using UV Detector）

Data No. LA732-0871



Conditions

System	: GL-7400 HPLC system
Column	: Inertsil ODS-P HP (3 μm, 100 x 3.0 mm I.D.)
Column Cat. No.	: 5020-87036
Eluent	: A) CH_3OH B) H_2O A/B = 80/20 - 2 min- 80/20 – 3 min – 100/0, v/v
Flow rate	: 0.6 mL/min
Col. Temp.	: 40 ℃
Detection	: UV 254 nm (GL-7452A PDA Detector)
Injection Vol.	: 5 μL
Sample	: PAHs

Reference LA337, LA607

Analyte:

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