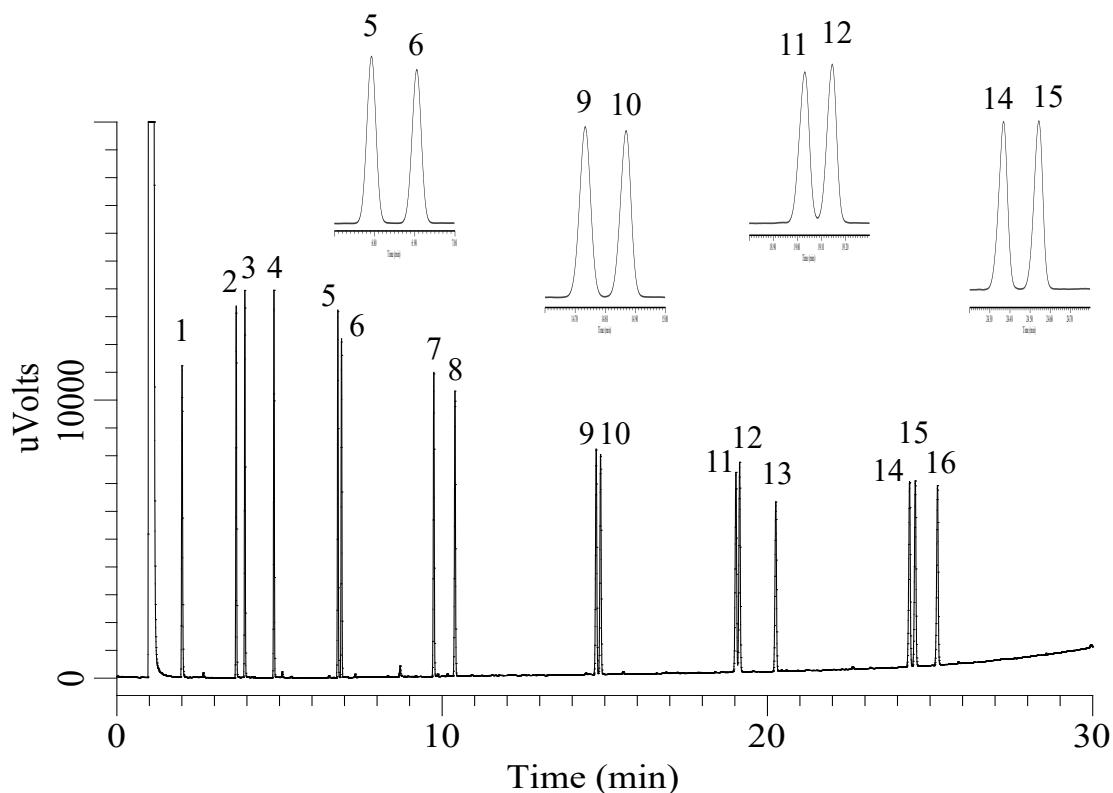


Analysis of PAHs

(Under the Condition of EPA Method 610 : Polynuclear Aromatic Hydrocarbons-US EPA)



Conditions

System : GC-4000 Plus /FID
Column : InertCap 5MS/Sil (GL Sciences Inc.)
 0.18 mm I.D. x 20 m df = 0.18 μ m
Col. Cat. No. : 1010-15031
Col. Temp. : 130 $^{\circ}$ C - 10 $^{\circ}$ C/min - 210 $^{\circ}$ C
 - 5 $^{\circ}$ C/min - 320 $^{\circ}$ C
Carrier Gas : He 180 kPa, Constant Press.
Injection : Split 1 : 20
 320 $^{\circ}$ C
Detection : FID Auto Range
 320 $^{\circ}$ C
Sample Size : 0.2 μ L

Analyte

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

each 0.1 mg/mL
 in Methanol/Dichloromethane = 1/1, v/v