



Younglin Application Note

REF No. : YL-APP-986010

Subject : Analysis of PAHs using Fluorescence detector

Key Words

: PAH, 290nm, 418nm

Instrument

- Younglin 9600 HPLC with Waters M474 Fluorescence Detector
- Younglin Autochro-WIN



Analysis conditions

- Column : Waters Symmetry C18 3.9µm 150 mm
- Flow rate : 1 ml/min
- Mobile Phase : Acetonitrile : Water = 9 : 1
- Detector : 290nm, 418nm
- Gain : 1000
- Attenuation : 4
- Injection Volume : 20µl

Sample

Compounds	Conc.(ppm)	R.T	Area
Benzo(a)pyrene	4	4.718	2950
Benzo(k) Fluoranthene	3	5.345	1168
Benzo(ghi) perylene	4	7.290	406

Chromatogram

