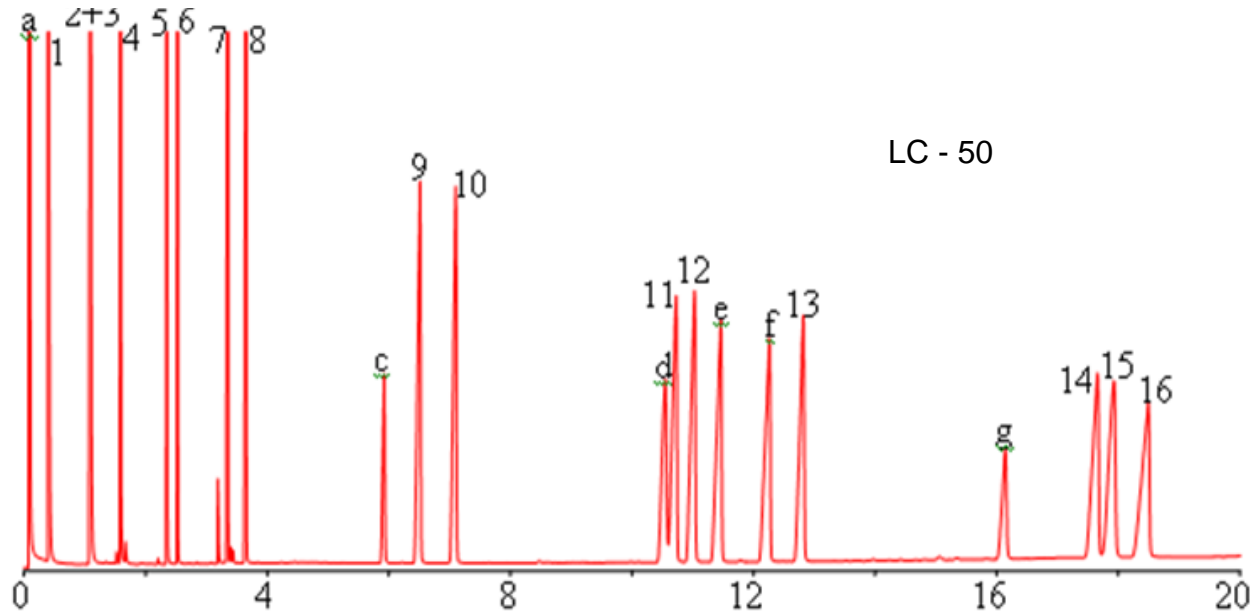


**ACN: 60043-0010-02-302**
**Resolution of Triphenylene and Benzo[j]fluoranthene**

**Figure: Chromatograms of 21 PAH including 16 priority PAH of USEPA Method 610**

Part number :6004-10010

LC Column, 4 m x 0.10 mm x 0.10 µm film thickness.

**Chromatographic Conditions:**
**Temperature program:** 100 oC to 220 oC @40 oC /min, to 290 @ 5 oC /min, hold at 290 oC for 6 min.

**Injector:** 250 oC; Split;

**Pressure:** Constant @ 600kPa helium;

**Flow:** Initial 3.1 mL/min, Average Linear Velocity 174 cm/sec, Split Ratio 20:1;

**Detector:** FID, 300 oC, hydrogen 40mL/min, air 450mL/min, make-up 45mL/min

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-cd]pyrene, 15. Dibenz[a,h]anthracene, 16. Benzo[ghi]perylene.

a: Solvent, c: Triphenylene, d: Benzo(j)fluoranthene, e: Benzo(e)pyrene, f: Perylene, g: Dibenzo(a,c)anthracene.