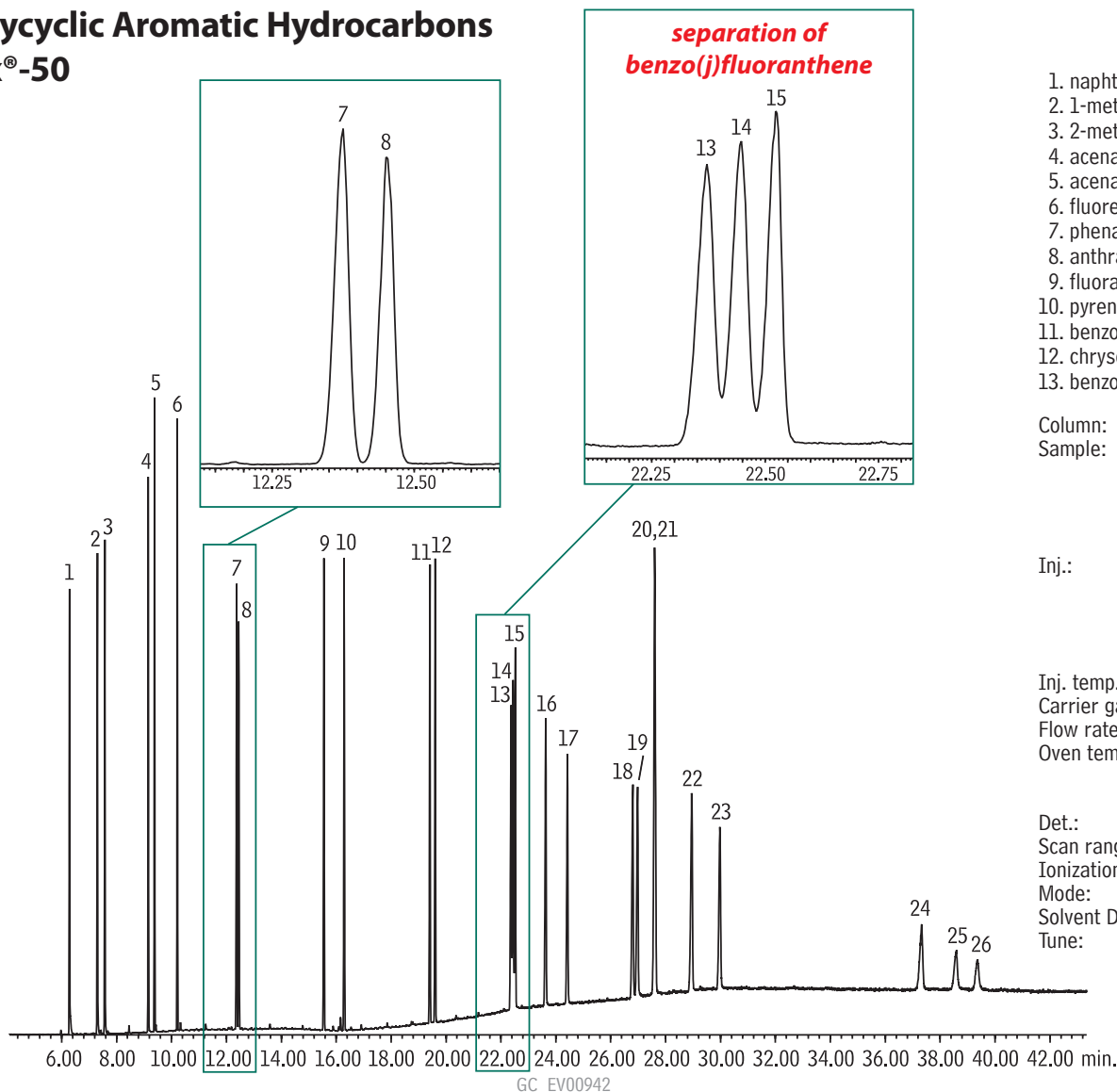


# Polycyclic Aromatic Hydrocarbons Rtx®-50



- |                          |                              |
|--------------------------|------------------------------|
| 1. naphthalene           | 14. benzo(k)fluoranthene     |
| 2. 1-methylnaphthalene   | 15. benzo(j)fluoranthene     |
| 3. 2-methylnaphthalene   | 16. benzo(a)pyrene           |
| 4. acenaphthylene        | 17. 3-methylcholanthrene     |
| 5. acenaphthene          | 18. dibenzo(a,h)acridine     |
| 6. fluorene              | 19. dibenzo(a,i)acridine     |
| 7. phenanthrene          | 20. indeno(1,2,3-cd)pyrene   |
| 8. anthracene            | 21. dibenzo(a,h)anthracene   |
| 9. fluoranthene          | 22. benzo(ghi)perylene       |
| 10. pyrene               | 23. 7H-dibenzo(c,g)carbazole |
| 11. benzo(a)anthracene   | 24. dibenzo(a,e)pyrene       |
| 12. chrysene             | 25. dibenzo(a,i)pyrene       |
| 13. benzo(b)fluoranthene | 26. dibenzo(a,h)pyrene       |

Column: Rtx®-50, 30m, 0.25mm ID, 0.25 $\mu$ m (cat.# 10523)  
 Sample: PAH Mix, 20 $\mu$ g/mL each compound  
 SV Calibration Mix #5/610 PAH Mix (cat.# 31011)  
 PAH Supplement Mix for Method 8100 (cat.# 31857)  
 1-methylnaphthalene (cat.# 31283)  
 2-methylnaphthalene (cat.# 31285)  
 Inj.: 1.0 $\mu$ L (20ng on-column concentration),  
 pulsed splitless: pulse 20psi @ 0.3 min.,  
 40mL/min. @ 0.2 min.,  
 4mm Drilled Uniliner® (hole near top)  
 inlet liner (cat.# 21055)  
 Inj. temp.: 300°C  
 Carrier gas: helium, constant flow  
 Flow rate: 1.2mL/min.  
 Oven temp.: 90°C (hold 2.0 min.) to 215°C @ 25°C/min. to  
 220°C @ 2.5°C/min. to 300°C @ 10°C/min. to  
 320°C @ 2.5°C/min. (hold 15 min.)  
 Det.: MS  
 Scan range: 50-550amu  
 Ionization: EI  
 Mode: scan  
 Solvent Delay: 4.0 min.  
 Tune: DFTPP