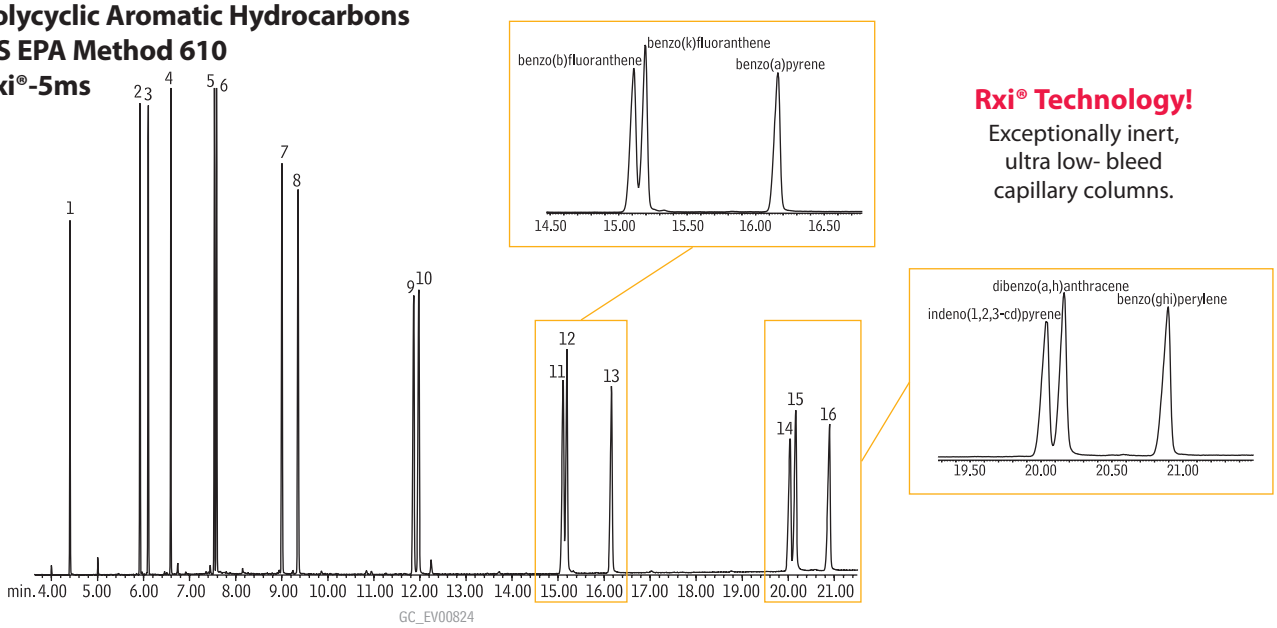
Polycyclic Aromatic Hydrocarbons
US EPA Method 610
Rxi®-5ms

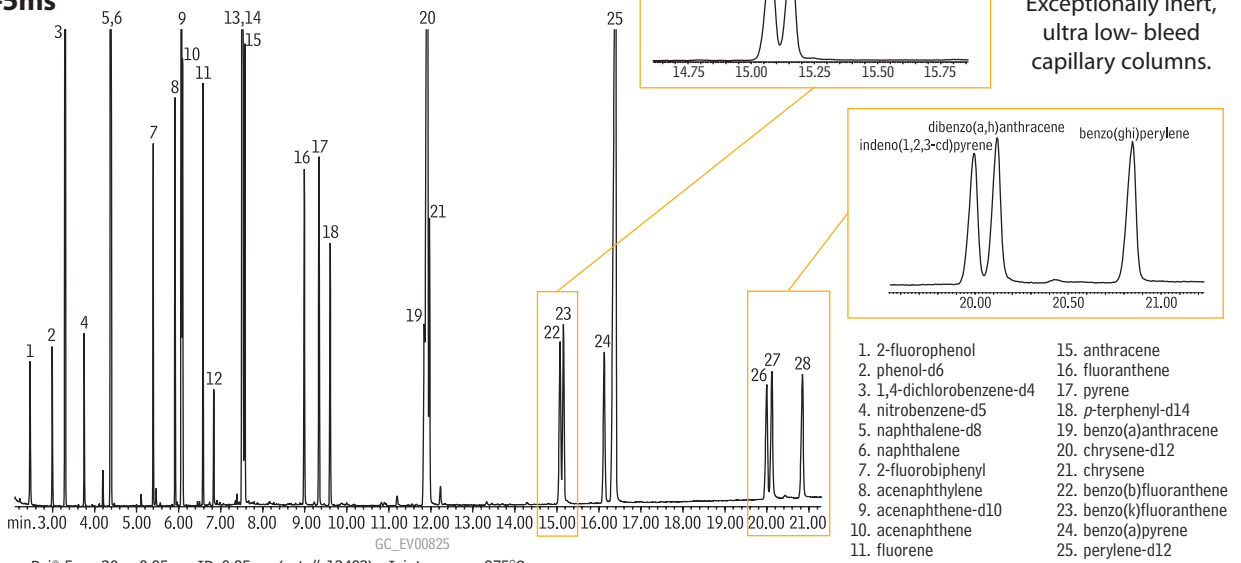


Rxi® Technology!
Exceptionally inert, ultra low- bleed capillary columns.

Column:	Rxi®-5ms, 30m, 0.25mm ID, 0.25µm (cat.# 13423)
Sample:	SV Calibration Mix #5/610 PAH Mix (cat.# 31011)
Inj.:	1.0µL, 10ppm each analyte (10ng on column), splitless (hold 0.1 min.) 4mm Drilled Uniliner® inlet liner (hole near bottom) (cat.# 20771)
Instrument:	Agilent 6890
Inj. temp.:	275°C
Carrier gas:	helium, constant flow
Flow rate:	1.2mL/min.
Oven temp.:	75°C (hold 0.5 min.) to 245°C @ 25°C/min., to 330°C @ 4°C/min. (hold 1 min.)
Det.:	Agilent 5973 GC/MS
Transfer line temp.:	280°C
Scan range:	35-550amu
Solvent delay:	2 min.
Tune:	DFTPP
Ionization:	EI

1. naphthalene
2. acenaphthylene
3. acenaphthene
4. fluorene
5. phenanthrene
6. anthracene
7. fluoranthene
8. pyrene
9. benzo(a)anthracene
10. chrysene
11. benzo(b)fluoranthene
12. benzo(k)fluoranthene
13. benzo(a)pyrene
14. indeno(1,2,3-cd)pyrene
15. dibenzo(a,h)anthracene
16. benzo(ghi)perylene

Polycyclic Aromatic Hydrocarbons
US EPA Method 610 (with Internal Standards & Surrogates)
Rxi®-5ms



Rxi® Technology!
Exceptionally inert, ultra low- bleed capillary columns.

Column:	Rxi®-5ms, 30m, 0.25mm ID, 0.25µm (cat.# 13423)
Sample:	SV Calibration Mix #5/610 PAH Mix (cat.# 31011), Acid Surrogate Mix (4/89 SOW) (cat.# 31025), B/N Surrogate Mix (4/89 SOW) (cat.# 31024), SV Internal Standard Mix (cat.# 31206)
Inj.:	1.0µL, 10ppm each analyte (10ng on column; 40ng each internal standard), splitless (hold 0.1 min.) 4mm Drilled Uniliner® inlet liner (hole near bottom) (cat.# 20771)
Instrument:	Agilent 6890
Inj. temp.:	275°C
Carrier gas:	helium, constant flow
Flow rate:	1.2mL/min.
Oven temp.:	75°C (hold 0.5 min.) to 245°C @ 25°C/min., to 330°C @ 4°C/min. (hold 1 min.)
Det.:	Agilent 5973 GC/MS
Transfer line temp.:	280°C
Scan range:	35-550amu
Solvent delay:	2 min.
Tune:	DFTPP
Ionization:	EI

1. 2-fluorophenol
2. phenol-d6
3. 1,4-dichlorobenzene-d4
4. nitrobenzene-d5
5. naphthalene-d8
6. naphthalene
7. 2-fluorobiphenyl
8. acenaphthylene
9. acenaphthene-d10
10. acenaphthene
11. fluorene
12. 2,4,6-tribromophenol
13. phenanthrene-d10
14. phenanthrene
15. anthracene
16. fluoranthene
17. pyrene
18. *p*-terphenyl-d14
19. benzo(a)anthracene
20. chrysene-d12
21. chrysene
22. benzo(b)fluoranthene
23. benzo(k)fluoranthene
24. benzo(a)pyrene
25. perylene-d12
26. indeno(1,2,3-cd)pyrene
27. dibenzo(a,h)anthracene
28. benzo(ghi)perylene