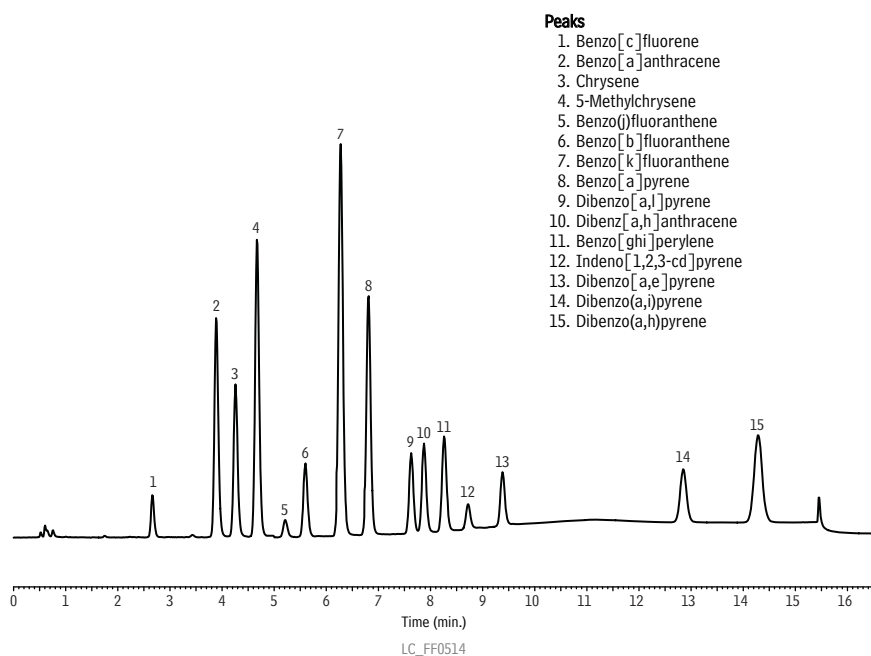


EU 15+1 PAHs on Pinnacle® II PAH (FLD)



- Peaks**
1. Benzo[*c*]fluorene
 2. Benzo[*a*]anthracene
 3. Chrysene
 4. 5-Methylchrysene
 5. Benzo[*j*]fluoranthene
 6. Benzo[*b*]fluoranthene
 7. Benzo[*k*]fluoranthene
 8. Benzo[*a*]pyrene
 9. Dibenzo[*a,l*]pyrene
 10. Dibenzo[*a,h*]anthracene
 11. Benzo[*ghi*]perylene
 12. Indeno[1,2,3-*cd*]pyrene
 13. Dibenzo[*a,e*]pyrene
 14. Dibenzo[*a,i*]pyrene
 15. Dibenzo[*a,h*]pyrene

Column Pinnacle® II PAH, custom (cat.# 921946E)
 Dimensions: 150 mm x 3.0 mm ID
 Particle Size: 4 µm
 Pore Size: 110 Å
 Temp.: 30 °C
Sample custom EU 15+1 PAH mix
 Diluent: acetonitrile
 Conc.: 30 ng/mL (ppb)
 Inj. Vol.: 5 µL
Mobile Phase
 A: water
 B: 95:5 acetonitrile:tetrahydrofuran

Time (min.)	Flow (mL/min.)	%A	%B
0	1.5	30	70
3.00	1.5	25	75
10.00	1.5	0	100
14.50	1.5	0	100
14.51	1.5	30	70
16.50	1.5	30	70

Max Pressure: 275 bar
 Detector Shimadzu RF-10AXL

Time (min.)	Wavelength Ex (nm)	Wavelength Em (nm)	Gain
0	270	390	1x
4.85	300	512	4x
5.80	290	430	1x
8.40	370	460	4x
8.90	290	430	1x
9.60	370	460	1x

Instrument Notes Shimadzu Prominence
 RF-10AXL sensitivity: medium
 Cyclopenta[*c,d*]pyrene was included in the EU 15+1 PAH mix but it does not fluoresce.