

# PAH's

Column: DB-17ms

30 m x 0.25 mm I.D., 0.25 µm

J&W P/N: 122-4732

Guard Column: 1 m x 0.53 mm I.D.

J&W P/N: 160-2535

Carrier: Helium at: 34.1 cm/sec,  
measured at 150°C

Oven: 95°C for 0.5 min  
95-340°C at 5°/min  
340°C for 5 min

Injector: Split 1:40, 300°C  
2 µL, PAH standard

Detector: MSD, 340°C transfer line  
Scan 80-330 amu

Name	Ions
1. Naphthalene	128
2. 2-Methylnaphthalene	142,141
3. 1-Methylnaphthalene	142,141
4. Azulene	128
5. Acenaphthene	154
6. Biphenyl	154
7. 2,6-Dimethylnaphthalene	156,155

8. Acenaphthalene	152
9. Dibenzofuran	168,139
10. Dibenzo-p-dioxin	184
11. Fluorene	166,165
12. 1-Nitronaphthalene	127,173
13. 9,10-Dihydroanthracene	179,180
14. 2-Nitronaphthalene	127,173
15. 2-Nitrobiphenyl	152,115
16. Dibenzothiophene	184
17. Phenanthrene	178
18. Anthracene	178
19. 3-Nitrobiphenyl	199,152
20. 4-Nitrobiphenyl	199,152
21. 5,6-Benzoquinoline	179
22. Carbazole	167
23. 2-Methylanthracene	192,191
24. 1,2,3,4-Tetrahydrofluoranthene	178,206
25. 2-Phenylnaphthalene	204
26. 9-Methylanthracene	192,191
27. 3,6-Dimethylphenanthrene	206,191
28. 1,3-Dinitronaphthalene	126,218
29. 1,5-Dinitronaphthalene	218,114
30. Fluoranthene	202
31. 2,2'-Dinitrobiphenyl	198,139
32. Pyrene	202
33. 2-Methylfluoranthene	216,215
34. 2,3-Benzofluorene	216,215
35. Dodecahydrotriphenylene	240,198
36. 1-Amino-4-nitronaphthalene	188,115
37. 9-Phenylanthracene	254,253
38. 1,2-Benzanthracene	228
39. Chrysene	240
40. Benz[ <i>a</i> ]anthracene	258,202
41. 2,7-Dinitrofluorene	256,163
42. Benzo[ <i>b</i> ]fluoranthene	252
43. Benzo[ <i>k</i> ]fluoranthene	252
44. 7,12-Dimethylbenz[ <i>a</i> ]anthracene	256,241
45. Benzo[ <i>e</i> ]pyrene	252
46. Benzo[ <i>a</i> ]pyrene	252
47. Perylene	252
48. 3-Methylcholanthrene	268
49. 9,10-Diphenylanthracene	330
50. 1,2,3,4-Dibenzanthracene	278
51. 1,2,5,6-Dibenzanthracene	278
52. Benzo[ <i>g,h,i</i> ]perylene	276

