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| **Group number** | **Starting time (mins)** | **PAHs (quantitative and confirmation m/z ions)** |
| 1 | 6 | C1 Napthalene 141, 142  C2 Napthalene 156, 141  C3 Napthalene 170, 155 |
| 2 | 18.14 | C4 Napthalene 184, 169  C1 Fluorene 180, 165  Dibenzothiophene 184 |
| 3 | 21.25 | C2 Fluorene 194, 179  C3 Fluorene 208, 165  Phenanthrene 178, 176  C1 Phenanthrene 192, 191  C2 Phenanthrene 206, 191  C1 Dibenzothiophene 198, 197  C2 Dibenzothiophene 212, 197 |
| 4 | 24.45 | C3 Dibenzothiophene 226, 211  C3 Phenanthrene 220, 205  Pyrene 202, 203 |
| 5 | 27.61 | C3 Phenanthrene 220, 205  C4 Phenanthrene 234, 219  C1 Pyrene 216, 215  C2 Pyrene 230, 229  C3 Pyrene 244, 229  Chrysene 228, 226  C1 Chrysene 242, 241 |
| 6 | 32.30 | C2 Chrysene 256, 241  C3 Chrysene 270, 239  Triaromatic sterane 231 |