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