

Table S3. List of abbreviations for aromatics compounds used in correlation plots

| Group | Compound | Abb |
|----------------------------|------------------------------|--------------|
| Naphthalenes | Naphthalene | N |
| | C1-naphthalenes | N1 |
| | C2-naphthalenes | N2 |
| | C3-naphthalenes | N3 |
| | C4-naphthalenes | N4 |
| 2-3 ring PAHs | Biphenyl | B |
| | Acenaphthylene | ANY |
| | Acenaphthene | ANA |
| | Dibenzofuran | DBF |
| | Fluorene | F |
| | C1-fluorenes | F1 |
| | C2-fluorenes | F2 |
| | C3-fluorenes | F3 |
| | Phenanthrene | P |
| | C1-phenanthrenes/anthracenes | P1 |
| | C2-phenanthrenes/anthracenes | P2 |
| | C3-phenanthrenes/anthracenes | P3 |
| | C4-phenanthrenes/anthracenes | P4 |
| | Dibenzothiophene | D |
| | C1-dibenzothiophenes | D1 |
| | C2-dibenzothiophenes | D2 |
| | C3-dibenzothiophenes | D3 |
| | C4-dibenzothiophenes | D4 |
| | 4-6 ring PAHs | Fluoranthene |
| Pyrene | | PY |
| C1-fluoranthrenes/pyrenes | | FL1 |
| C2-fluoranthrenes/pyrenes | | FL2 |
| C3-fluoranthrenes/pyrenes | | FL3 |
| Benz[<i>a</i>]anthracene | | BA |
| Chrysene | | C |
| C1-chrysenes | | C1 |
| C2-chrysenes | | C2 |
| C3-chrysenes | | C3 |
| C4-chrysenes | C4 | |