

Table S1. Description of measured polycyclic aromatic hydrocarbons (PAHs).

PAH Name	Symbol used in this study	Number of rings
Naphthalene	P ₁	2
Acenaphthylene	P ₂	3
Acenaphthene	P ₃	3
Fluorene	P ₄	3
Phenanthrene	P ₅	3
Anthracene	P ₆	3
Fluoranthene	P ₇	4
Pyrene	P ₈	4
Benzo(b+)fluoranthene	P ₉	5
Benzo(k)fluoranthene	P ₁₀	5
Benzo(a)pyrene	P ₁₁	5
3-Methylcholanthrene	P ₁₂	4
Dibenz(a,h)acridine	P ₁₃	5
Indeno(1.2.3-cd)pyrene	P ₁₄	6
Dibenz(a,h)anthracene	P ₁₅	5
Benzo(g,h,i)perylene	P ₁₆	6