

Supporting Information

Table S1 Targets of PAHs, abbreviations, molecular weight and quantitative ions

Compounds name	Abbreviations	CAS number	Molecular weight	Quantitative ions
Naphthalene	NA	91-20-3	128.17	128
2-Methylnaphthalene	2-MNA	91-57-6	142.20	142
1-Methylnaphthalene	1-MNA	90-12-0	142.20	142
Biphenyl	BP	92-52-4	154.21	154
2,6-Dimethylnaphthalene	C ₂ -NA	581-42-0	156.22	156
Acenaphthylene	ACL	208-96-8	152.19	152
Acenaphthene	ACE	83-32-9	154.21	154
2,3,5-Trimethylnaphthalene	C ₃ -NA	2245-38-7	170.25	170
Fluorene	FLU	86-73-7	166.22	166
Dibenzothiophene	DBT	132-65-0	184.26	184
Phenanthrene	PHE	85-01-8	178.23	178
Anthracene	ANT	120-12-7	178.23	178
1-Methylphenanthrene	1-MPH	832-69-9	192.26	192
Fluoranthene	FLUO	206-44-0	202.25	202
Pyrene	PYR	129-00-0	202.25	202
Benzo(a)anthracene	BaA	962-32-3	244.29	228
Chrysene	CHR	218-01-9	228.29	228
Benzo(b)fluoranthene	BbF	205-82-3	252.31	252
Benzo(k)fluoranthene	BkF	207-08-9	252.31	252
Benzo(e)pyrene	BeP	192-97-2	252.31	252
Benzo(a)pyrene	BaP	50-32-8	252.31	252
Perylene	PEY	198-55-0	252.31	252
Indeno(1,2,3-cd)pyrene	IcdP	193-39-5	276.33	276
Dibenz(ah)anthracene	DahA	53-70-3	278.35	278
Benzo(ghi)perylene	BghiP	191-24-2	276.33	276

Table S2 Representative targets of OPEs, abbreviations, molecular weight and quantitative ions

Compounds name	Abbreviations	CAS number	Molecular weight	Quantitative ions
Triethyl phosphate	TEP	78-40-0	182.15	99
Tri- <i>n</i> -propyl phosphate	TnPP	513-08-6	224.23	99
Tri- <i>n</i> -butyl phosphate	TnBP	126-73-8	266.32	99
Tri(2-chloroethyl) phosphate	TCEP	8060-81-9	285.49	249
Tri(1,3-dichloroisopropyl) phosphate	TDCPP	13674-87-8	430.91	381
Triphenyl phosphate	TPhP	115-86-6	326.28	326
Tri(2-butoxyethyl) phosphate	TBEP	78-51-3	398.47	57
Tri(2-ethylhexyl) phosphate	TEHP	78-42-2	434.64	99

