Table S4. Median levels (P5, P95) of urinary PAH metabolites pre- and post-shift for the three different fire stations stratified by No fire call (baseline and intervention period combined), Fire call in the baseline period and Fire call in the intervention period.

			Station 1 (Intervention = Sauna)			
Conc unit µmol/mol Creatinine	No fire		Fire: Baseline		Fire: Intervention	
Metabolite	Pre-shift	Post-shift	Pre-shift	Post-shift	Pre-shift	Post-shift
∑Hydroxy naphthalene	1.98 (1.02; 15.55)	1.80 (0.91; 14.33)	2.39 (1.12; 14.88)	2.58 (1.47; 21.18)	1.47 (1.07; 17.43)	1.39 (0.94; 16.03)
2-Hydroxy fluorene	0.083 (0.037; 0.98)	0.082 (0.045; 0.70)	0.063 (0.039; 1.04)	0.072 (0.044; 1.20)	0.091 (0.046; 0.87)	0.075 (0.060; 0.83)
∑Hydroxy phenanthrene	0.15 (0.072; 0.36)	0.14 (0.083; 0.35)	0.15 (0.079; 0.37)	0.18 (0.094; 0.68)	0.18 (0.13; 0.31)	0.16 (0.12; 0.32)
1-Hydroxy pyrene	0.021 (0.0089; 0.099)	0.028 (0.013; 0.090)	0.020 (0.0091;0.099)	0.052 (0.015; 0.19)	0.027 (0.018; 0.12)	0.037 (0.024; 0.13)
Sum	2.17 (1.21; 17.12)	2.03 (1.17; 15.30)	2.58 (1.41; 16.39)	2.81 (1.69; 23.08)	1.79 (1.33; 18.69)	1.62 (1.19; 17.31)
N (samples)	87	89	20	20	10	11
N (firefighters)	11	11	7	7	5	5
			Station 2 (Intervention = Fire suit)			
Conc unit µmol/mol Creatinine	No fire		Fire: Baseline		Fire: Intervention	
Metabolite	Pre-shift	Post-shift	Pre-shift	Post-shift	Pre-shift	Post-shift
∑Hydroxy naphthalene	1.38 (0.69; 2.83)	1.67 (0.78; 4.54)	1.80 (1.05; 4.33)	2.33 (1.28; 5.15)	1.41 (0.76; 4.96)	2.06 (0.87; 4.53)
2-Hydroxy fluorene	0.085 (0.031; 0.17)	0.12 (0.056; 0.30)	0.11 (0.074; 0.17)	0.16 (0.10; 0.30)	0.086 (0.045; 0.19)	0.14 (0.048; 0.29)
∑Hydroxy phenanthrene	0.13 (0.039; 0.24)	0.22 (0.12; 0.50)	0.19 (0.12; 0.33)	0.31 (0.21; 0.73)	0.17 (0.065; 0.26)	0.22 (0.097; 0.51)
1-Hydroxy pyrene	0.023 (0.011; 0.074)	0.037 (0.018; 0.28)	0.034 (0.020; 0.13)	0.088 (0.046; 0.41)	0.030 (0.011; 0.054)	0.053 (0.013; 0.13)
Sum	1.73 (0.78; 3.15)	2.10 (1.06; 5.55)	2.15 (1.33; 4.76)	3.03 (1.62; 6.36)	1.77 (0.98; 5.63)	2.52 (1.05; 5.33)
N (samples)	49	50	20	20	19	19
N (firefighters)	8	8	8	8	7	7
			Station 3 (Intervention = Extra shower)			
Conc unit µmol/mol Creatinine	No fire		Fire: Baseline		Fire: Intervention	
Metabolite	Pre-shift	Post-shift	Pre-shift	Post-shift	Pre-shift	Post-shift
∑Hydroxy naphthalene	1.83 (0.76; 6.68)	1.73 (0.81; 4.97)	2.31 (1.04; 5.02)	2.49 (1.41; 9.47)	1.56 (0.64; 2.97)	1.81 (0.94; 66.83)
2-Hydroxy fluorene	0.085 (0.031; 0.26)	0.080 (0.039; 0.26)	0.059 (0.038; 0.24)	0.14 (0.047; 0.36)	0.069 (0.030; 0.12)	0.083 (0.060; 1.39)
∑Hydroxy phenanthrene	0.15 (0.066; 0.67)	0.15 (0.077; 0.52)	0.11 (0.066; 0.60)	0.18 (0.082; 0.66)	0.13 (0.065; 0.57)	0.15 (0.10; 1.74)
1-Hydroxy pyrene	0.021 (0.00; 0.10)	0.025 (0.012; 0.11)	0.025 (0.012; 0.097)	0.065 (0.027; 0.15)	0.019 (0.013; 0.029)	0.030 (0.021;0.20)
Sum	2.21 (1.07; 7.10)	2.08 (1.13; 5.34)	2.90 (1.15; 5.57)	2.85 (1.57; 10.38)	2.10 (0.91; 3.23)	2.06 (1.31; 70.06)
N (samples)	194	196	15	15	9	9
N (firefighters)	7	7	5	5	6	6