Table S5.a Median levels (P5, P95) of dermal PAH levels pre- and post-shift for fire station 1 stratified by No fire call (baseline and intervention period combined), Fire call in the baseline period and Fire call in the intervention period.

Unit: ng/cm²	Station 1 (Intervention = Sauna)									
	No fire		Fire no intervention				Fire with intervention			
PAH	Pre-shift	Post-shift	Pre-shift	Before shower	After shower	Post-shift	Pre-shift	Before shower	After shower	Post-shift
Naphthalene	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 8.19)	0 (0; 3.62)	-	0 (0; 0.13)	0.049 (0; 0.18)	0 (0; 0.14)	0.015 (0; 0.055)
Acenapthylene	0 (0; 0.034)	0 (0; 0.032)	0.002 (0; 0.034)	0.004 (0; 0.086)	0 (0; 0.025)	-	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0)
Acenaphtene	0 (0; 0.034)	0 (0; 0.035)	0.008 (0; 0.042)	0 (0; 0.033)	0 (0; 0.031)	-	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0)
Fluorene	0 (0; 0.68)	0 (0; 0.16)	0 (0; 0.25)	0.12 (0; 0.98)	0 (0; 0.96)	-	0 (0; 0.021)	0 (0; 0.059)	0 (0; 0.051)	0 (0; 0)
Phenanthrene	0.045 (0.001; 0.51)	0.035 (0; 0.73)	0.031 (0.004; 0.066)	0.15 (0; 1.20)	0.036 (0; 0.48)	-	0.22 (0.061; 0.40)	0.36 (0; 0.67)	0 (0; 0.30)	0.15 (0; 0.22)
Anthracene	0.014 (0; 0.033)	0.013 (0; 0.055)	0.016 (0; 0.041)	0.016 (0; 0.21)	0.009 (0; 0.026)	-	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0)
Fluoranthene	0.034 (0; 0.15)	0.008 (0; 0.086)	0.031 (0.007; 0.096)	0.056 (0; 0.96)	0.025 (0; 0.36)	-	0 (0; 0)	0.13 (0; 0.47)	0 (0; 0.15)	0 (0; 0)
Pyrene	0.018 (0; 0.31)	0.013 (0; 0.060)	0.028 (0;0.12)	0.095 (0; 1.45)	0.025 (0; 0.46)	-	0 (0; 0.21)	0.36 (0; 0.69)	0 (0; 0.22)	0.003 (0; 0.089)
Benzo(a)anthracene	0 (0; 0)	0 (0; 0)	0 (0; 0.015)	0 (0; 0.055)	0 (0; 0.067)	-	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0)
Chrysene	0 (0; 0.082)	0 (0; 0.060)	0.016 (0; 0.10)	0.004 (0; 0.087)	0.002 (0; 0.12)	-	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0)
Benzo(k+b)fluoranthene[1]	0 (0; 0.41)	0 (0; 0.19)	0.040 (0; 0.61)	0 (0; 1.12)	0.005 (0; 0.55	-	0 (0; 1.08)	0.58 (0; 4.00)	0 (0; 1.95)	0.016 (0; 1.63)
Benzo(a)pyrene	0 (0; 0)	0 (0; 0)	0 (0; 0)	0 (0; 0.32)	0 (0; 0.58)	-	0 (0; 0.90)	0 (0; 2.68)	0 (0; 0)	0 (0; 0)
∑PAH neck[2]	0.27 (0.055; 1.14)	0.14 (0.065; 0.79)	0.37 (0.036; 1.10)	1.07 (0.13; 9.24)	0.63 (0.057; 5.01)	-	0.44 (0.18; 2.18)	1.46 (0.52; 7.91)	0.47 (0.005; 1.98)	0.19 (0.11; 1.88)
N (samples)	28	27	10	20	18	1	8	15	13	6
N (firefighters with measurements)	10	10	6	7	7	1	4	6	6	4

[1]Complete separation was not possible for benzo[b]fluoranthene and benzo[k]fluoranthene, and therefore they were reported as the sum (benzo[k+b]fluoranthene). [2]Due to instable and occasionally high blank levels, the levels of dibenz(ah)anthrancene, ideno(123cd)pyrene and benzo(ghi)perylene should be interpreted with caution and therefore they were not included in the statistical analysis.