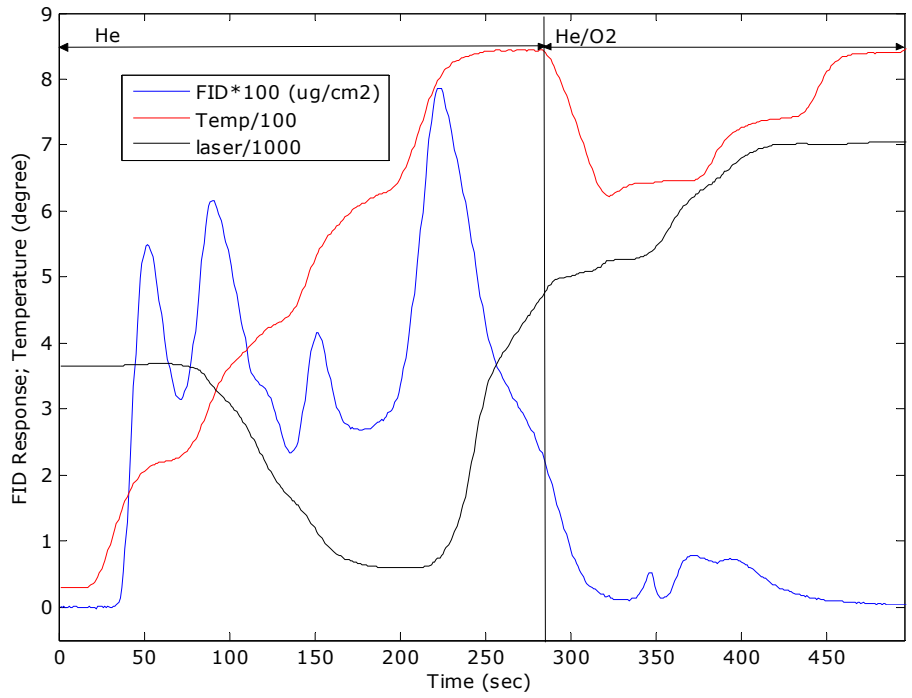
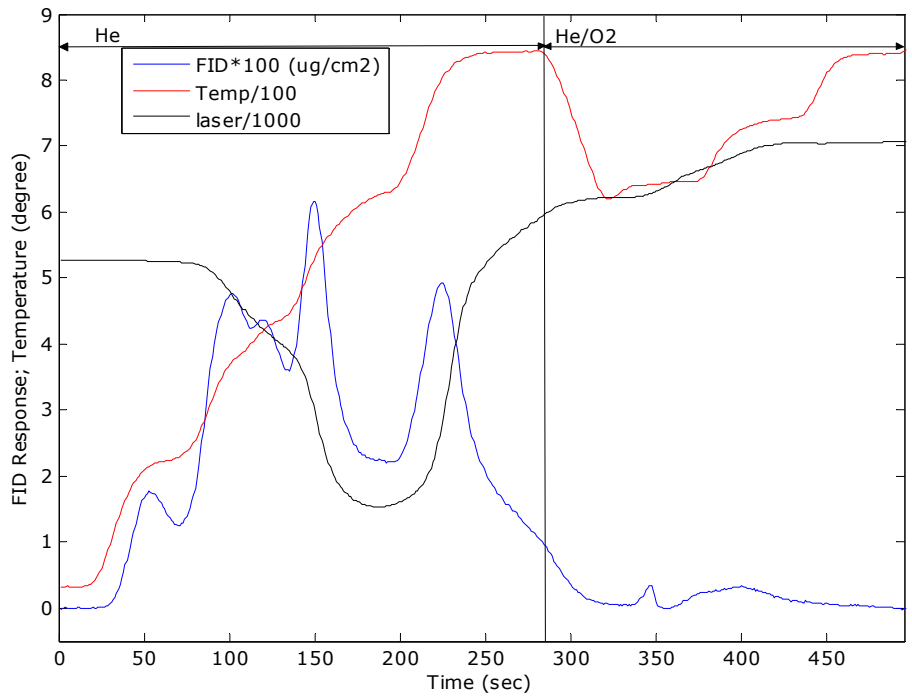


- 1 Figure S1: NIOSH-5040 thermogram from PM2.5 collected in (a) K-Pusztta, (b) Birkenes and (c)
- 2 Montseny.

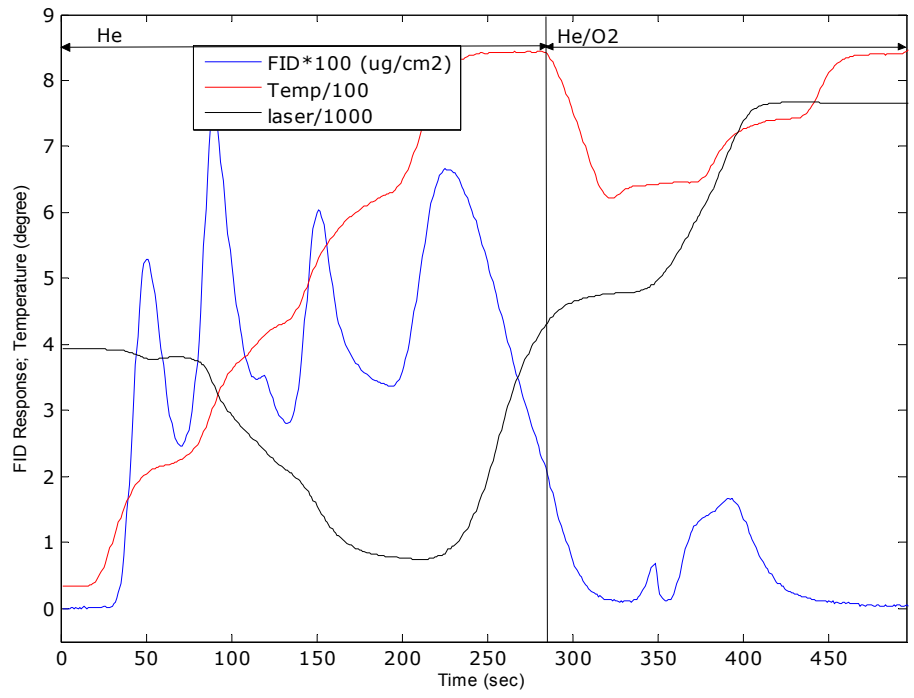
3 Figure S1a



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5 Figure S1b

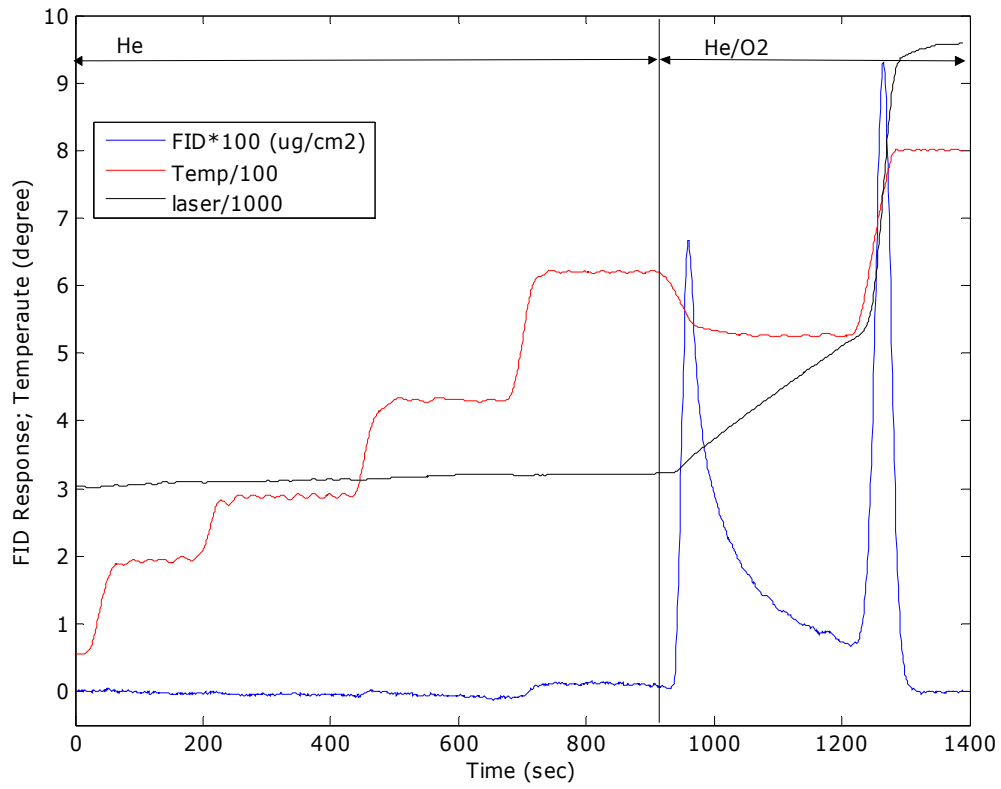


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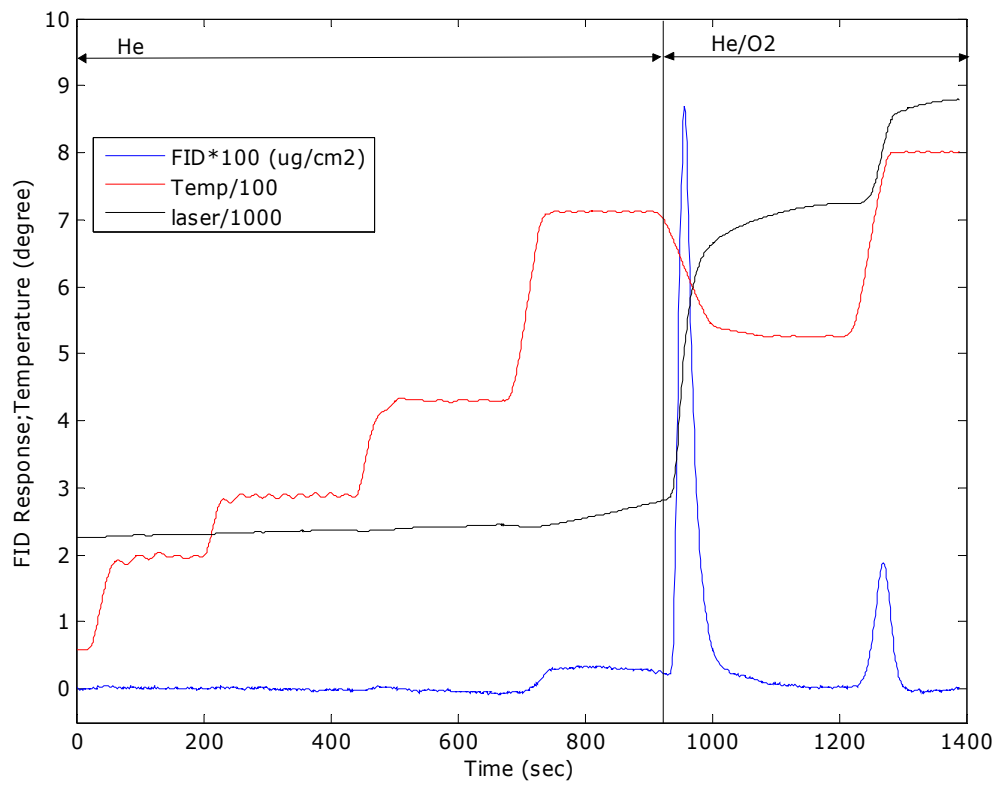
22 Figure S2 Thermograms from the analysis of light-absorbing-carbon-only samples using a
23 thermal protocol with a maximum temperature in He of 650 °C (a), He-750 (b) and He-850 (c)
24 protocols. The LAC-only samples were generated, as a mixture of pyrolysed organic carbon and
25 native EC, by thermal treatment of PM2.5 ambient aerosol samples according to the method
26 proposed by Yu and Li (19).

27 Figure S2a

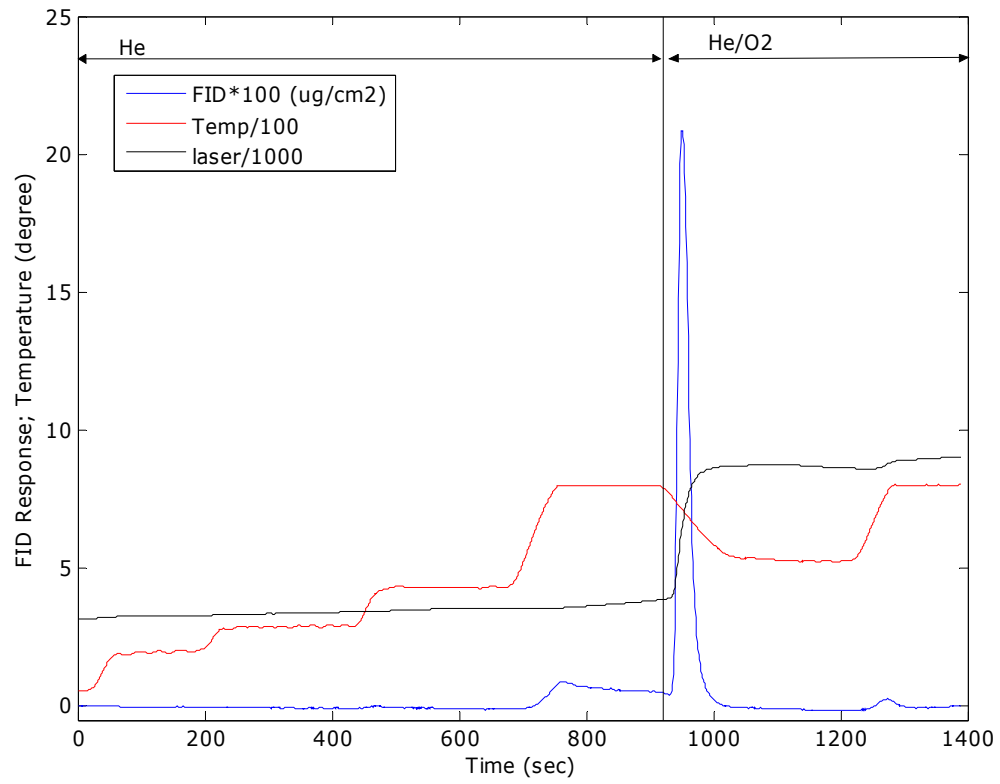


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29 Figure S2b



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Figure S3.1: PM2.5 sample collected on 220308 analysed by EUSAAR_1 (a) and EUSAAR_2 protocol (b).

Figure S3.1a

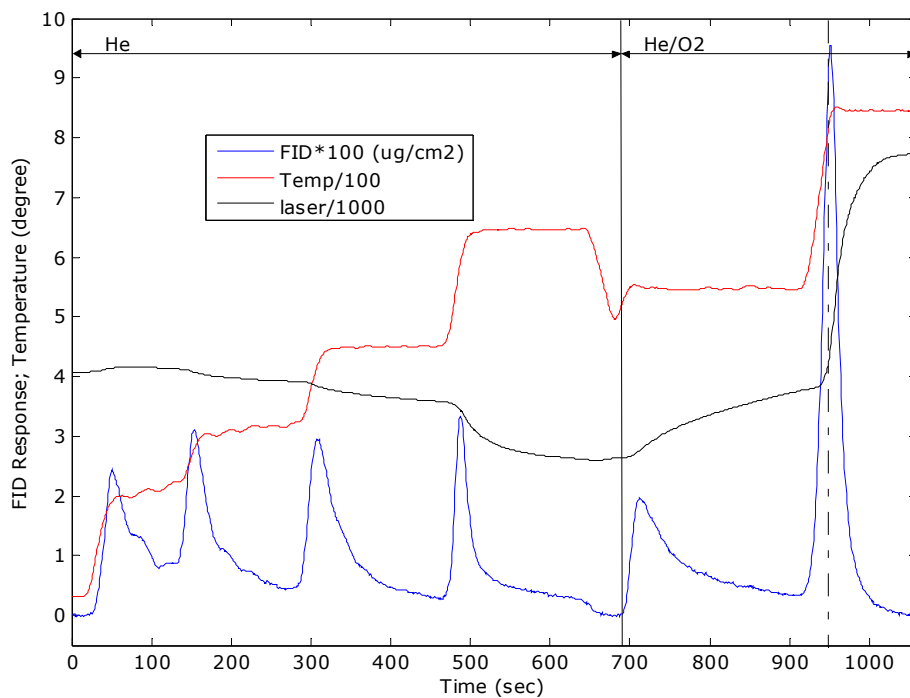


Figure S3.1b

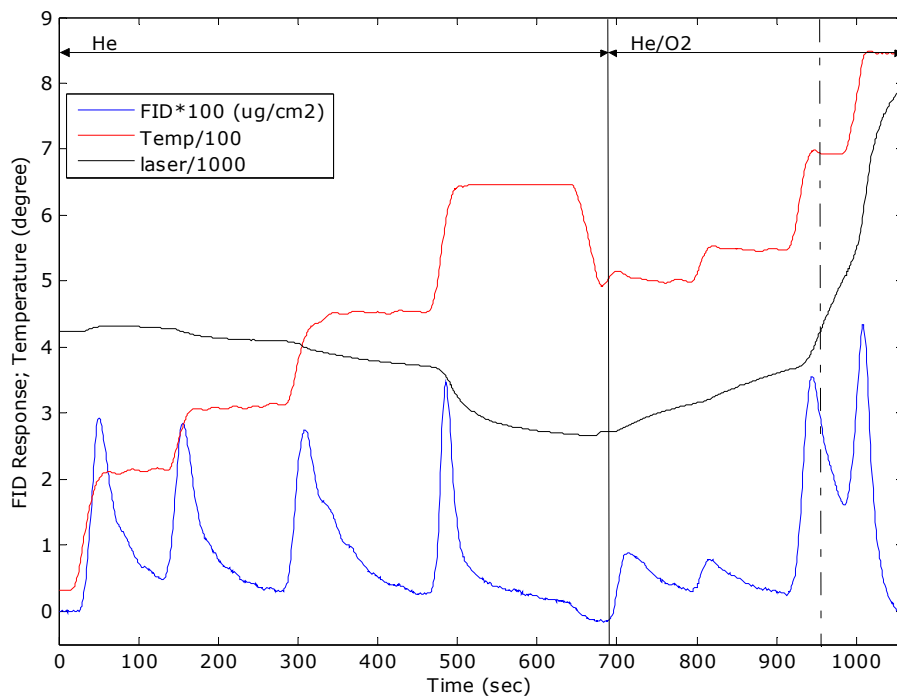


Figure S3.2: PM2.5 sample collected on 011008 analysed by EUSAAR_1 (a) and EUSAAR_2 protocol (b).

Figure S3.2a

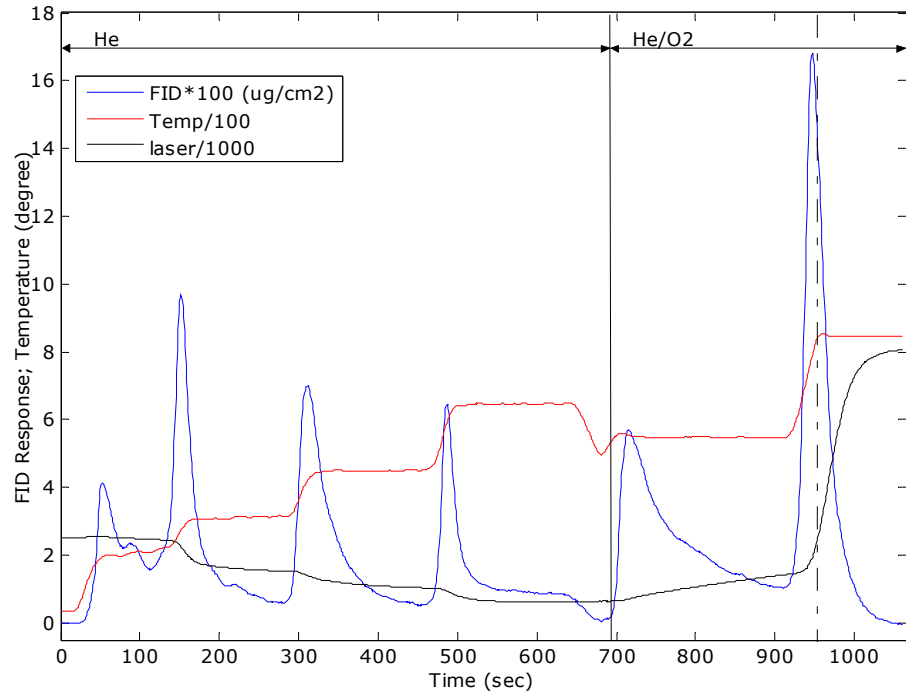


Figure S3.2b

