

1 **SUPPLEMENTARY INFORMATION**

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3 **Night-time chemistry of biomass burning emissions in urban areas: A dual mobile chamber**  
4 **study**

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**Table S1:** Injected amount of ozone in the perturbed chamber.

<b>Experiment</b>	<b>O<sub>3</sub> (ppb)</b>
1	240
2	145
3	65
4	220
5	200
6	65
7	85
8	150
9	185
10	75
11	130

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25 **Table S2:** Comparison of the produced OA mass spectra in the perturbed chamber for Exp. 1 and  
26 the ambient AMS OOA factors identified in different cities during wintertime.

<b>Location</b>	<b>Produced OA (degrees)</b>
Bologna, Italy	9
Xi'an/Beijing, China	11
Fresno, US	14
Barcelona, Spain	16
Athens, Greece	17
Paris, France	18

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**Table S3:** Maximum detected concentration of NO<sub>3</sub> radicals in the perturbed chamber.

Experiment	NO <sub>3</sub> (ppt)
1	NA
2	4
3	Not detected
4	NA
5	NA
6	13
7	NA
8	25
9	5
10	Not detected
11	3

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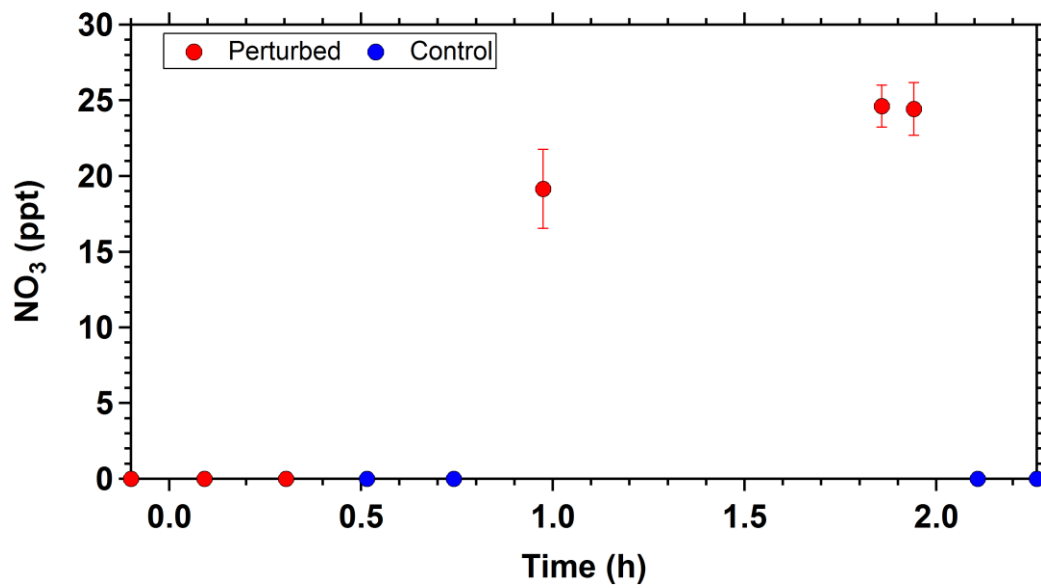
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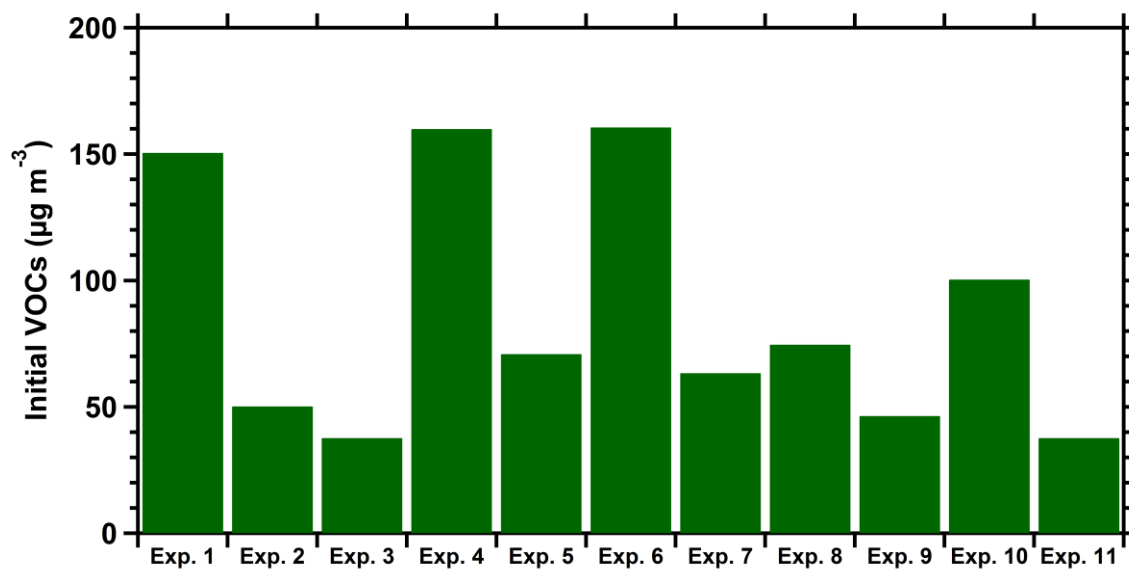
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**Figure S1:** Measured concentration of NO<sub>3</sub> radicals in the control (blue dots) and in the perturbed chamber (red dots) during Exp. 8. The error bars represent one standard deviation.



95 **Figure S2:** Initial VOC concentration as scaled with the initial BC concentration.

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