

### **Review ACPD: Kourtchev et al., version 3**

#### **Molecular composition of organic aerosols in central Amazonia: an ultra-high resolution mass spectrometry study**

The following technical corrections are suggested. It would also be best that the final manuscript is proofread by a native English speaker because there are still some problems with punctuation, such as, for example, the correct use of the comma (not listed in this report).

Line 52: ..... that of the wet period.

Line 53: .... from the forest .....

Line 62: ....., Andreae et al., 2015).

Line 77: ....., nitrooxy-organosulfates .....

Line 83: .... (Nozière et al., 2015).

Line 89: ..... have a mass resolution ....

Line 92: ....., Nozière et al., 2015).

Line 157: LC-MS: make sure that "LC-MS" is used consistently throughout the text; sometimes use is made of "LC/MS".

Line 231: ....however, a rather insignificant .....

Line 236: ..... during daytime and .....

Line 240: ..... consistent with recent studies, ....

Line 266: ..... during the wet .....

Line 270: .... from the OH-initiated oxidation ....

Line 272: .... from the ozonolysis reaction .....

Line 273: ..... of ion signal intensities (Note: ions are abundant; ion signals are intense; a field campaign could be intensive)

Line 293 and 295: .....ion signal intensities ....

Line 297: .... in the gas phase ....

Line 302: .... that the benzene .....

Line 314: ....., the number of forest .....

Lines 316, 320, and 323: .... ion signal intensities .....

Line 321: .... showed a very good .....

Line 324: ..... with the latter one ....

Lines 328, 333, and 334: ..... ion signal intensity .....

Line 342: .... employed an alternative GC/MS .....

Line 349: ....., the highest CO ....

Line 361: ..... have a DBE value above ....

Line 396: .... with a pyrene core ....

Line 407: .... from biomass burning sources.

Line 411: .... corresponding to other biomass burning OA markers, i.e., isomeric dimethyl-nitrocatechols  
....

Line 413: .... of nitro-aromatic compounds ....

Line 418: .... a significantly larger .....

Line 419: .... but a smaller number .....

Line 430: .... to result in a different ....

Line 440: .... towards a more oxidized state ...

Line 447: ....., the effect was much lower compared to that ....

Line 448: A higher number ....

Line 468: ..... in laboratory smog ....

Line 470: ..... in the presence of acidified .....

Line 475: .... are a useful .....

Line 479: ..... most abundant ion at .....

Line 489: .... be associated with .....

Line 491: ..... that in most of the .....

Line 576: ..... in Rondônia, Brazil: ....