

Linking Biogenic Hydrocarbons to Biogenic Aerosol In The Borneo Rainforest

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Alastair C. Lewis¹, Gordon B. McFiggans³, Hugh Coe³ and James D. Allan^{2,3}.

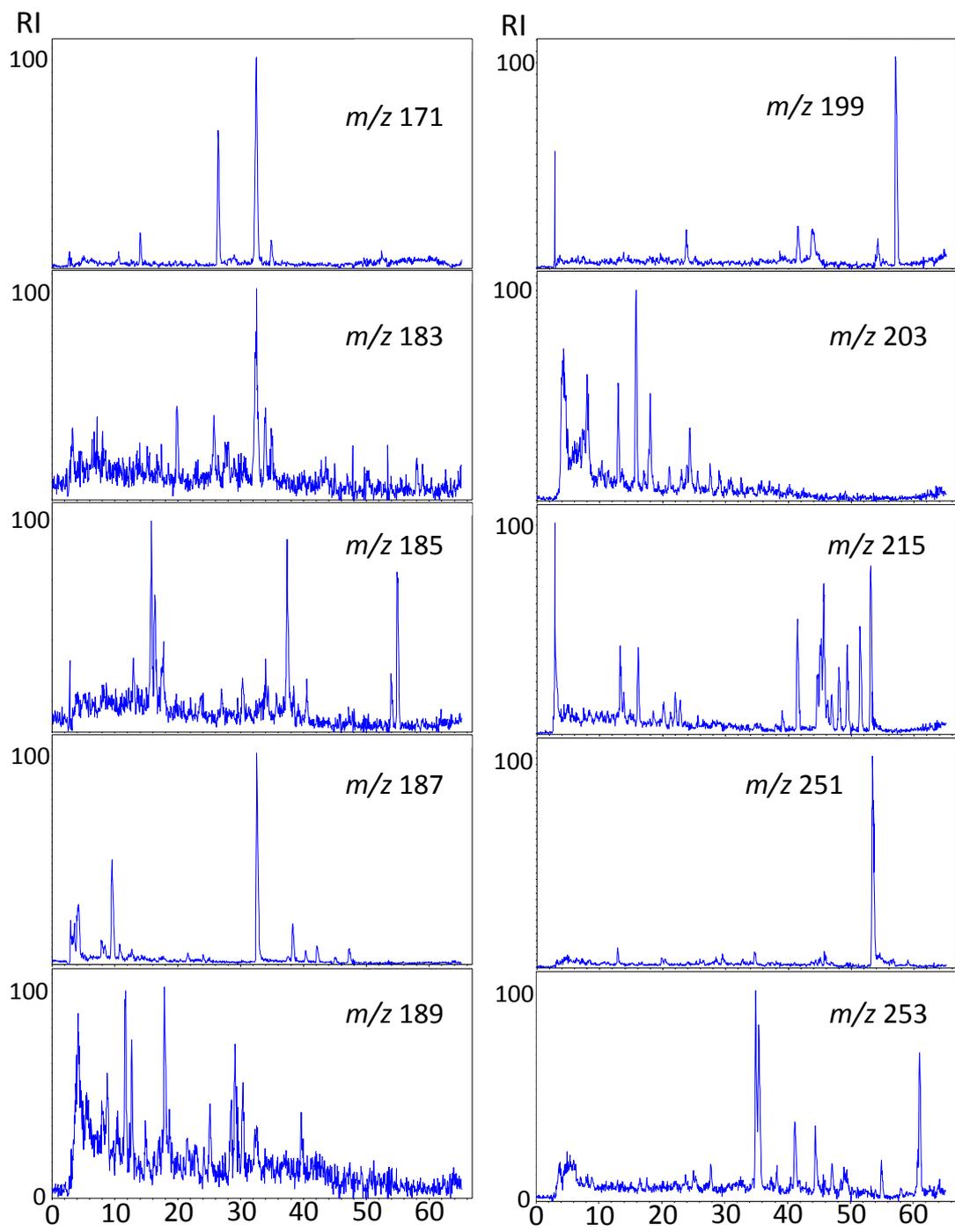
Additional Supplementary Figures and Tables

Supplementary Figure 1: LC-MS (negative ionisation) extracted ion chromatograms of the Borneo OA sample for key tracer ions.

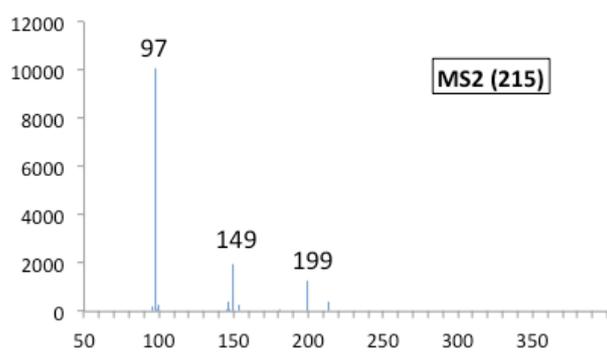
Supplementary Figures S2-18 show the MS² product ion spectra for the compounds identified in Table 1.

Supplementary Tables 1-5 show the molecular formulae assignment of the deprotonated molecular ions in FTICRMS analysis of the rainforest OA extract.

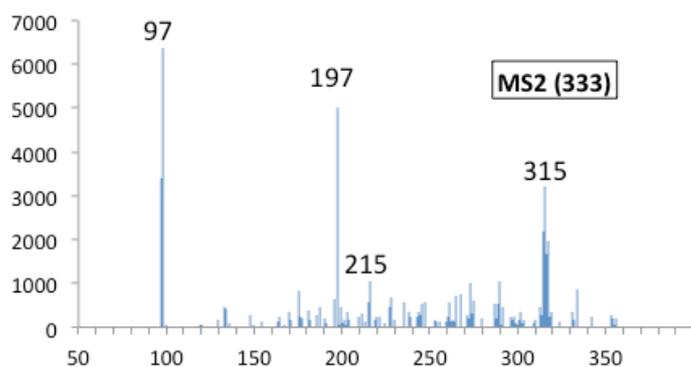
Supplementary Table 6 shows the relative contribution of each elemental composition group to the total FTICRMS ion intensity.



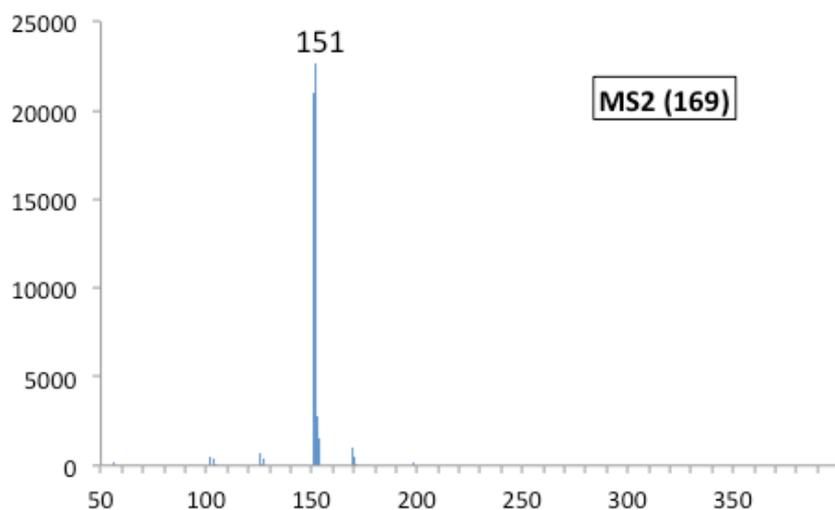
Supplementary Figure 1: LC-MS (negative ionisation) extracted ion chromatograms of the Borneo OA sample for key tracer ions.



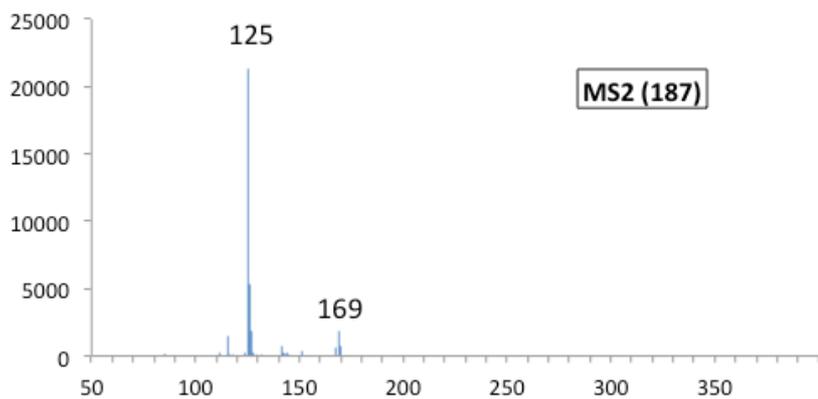
Supplementary Figure 2: MS² of isoprene tracer at t_R = 2.9 min



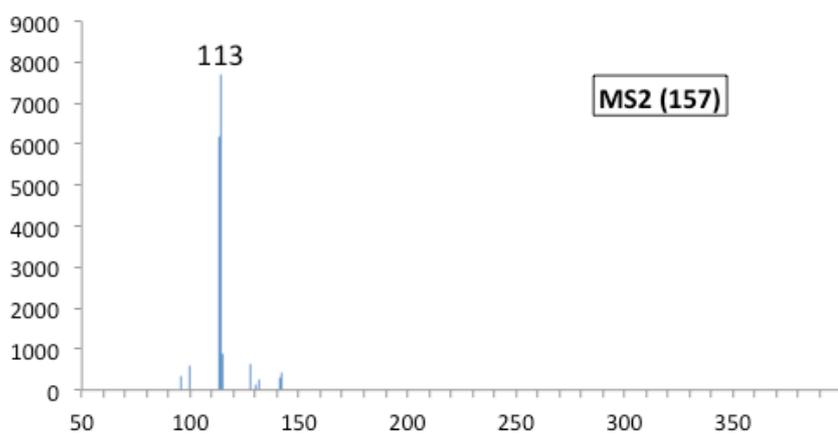
Supplementary Figure 3: MS² of isoprene tracer at t_R = 3.6 min



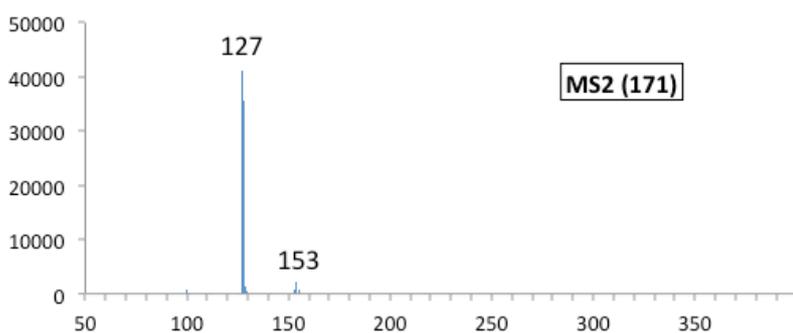
Supplementary Figure 4: MS² of α-terpinene tracer at t_R = 5.1 min



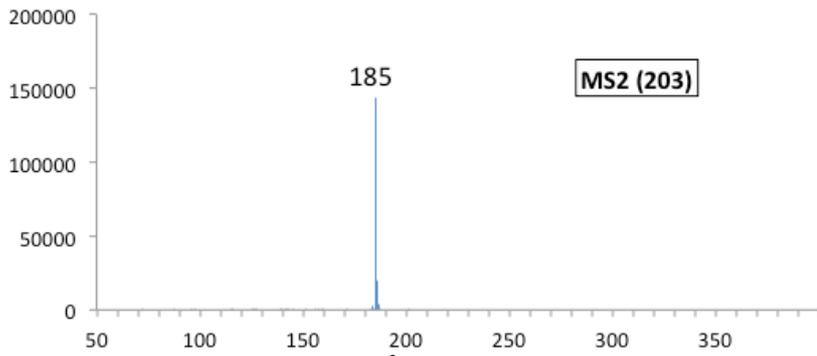
Supplementary Figure 5: MS² of α -pinene tracer at $t_R = 9.5$ min



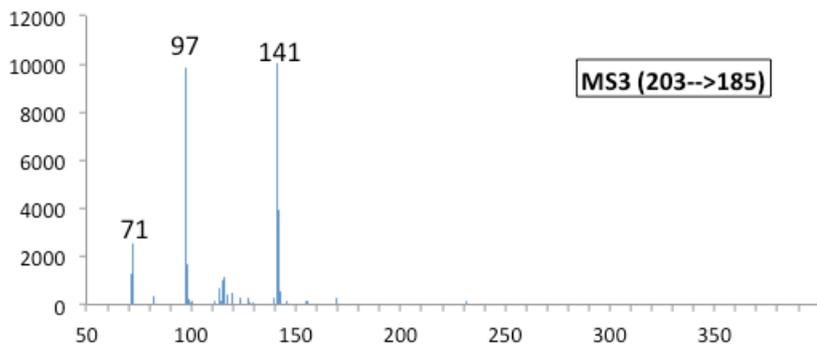
Supplementary Figure 6: MS² of α -pinene tracer at $t_R = 12.0$ min



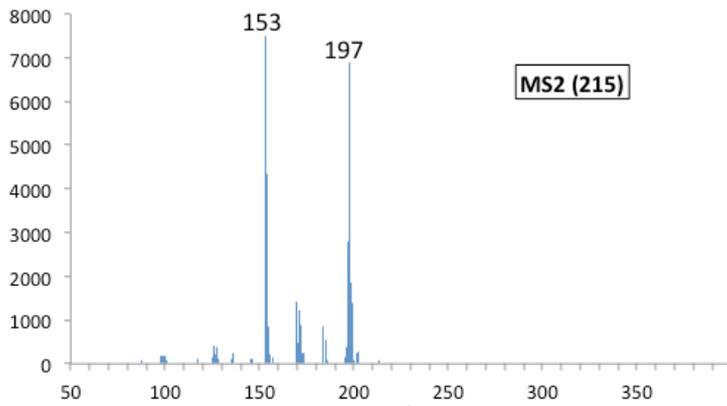
Supplementary Figure 7: MS² of α -pinene tracer at $t_R = 14.1$ min



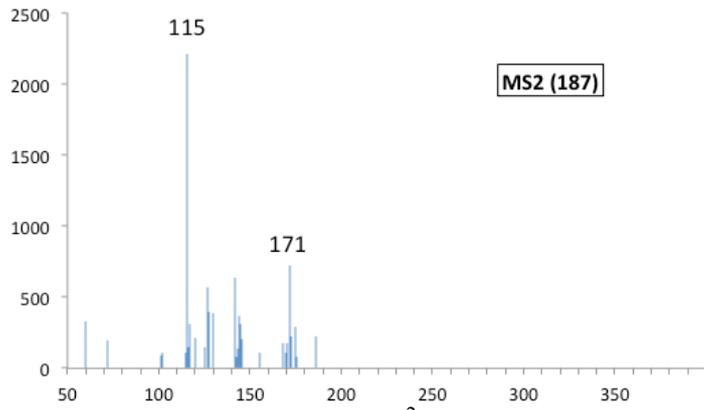
Supplementary Figure 8: MS² of α -pinene tracer at $t_R = 15.7$ min



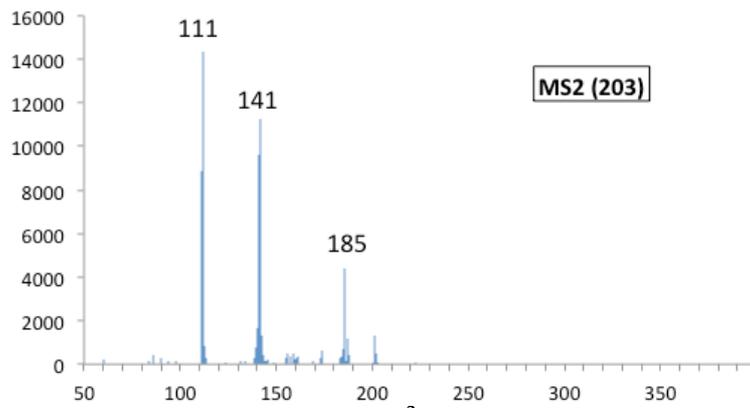
Supplementary Figure 9: MS³ of α -pinene tracer at $t_R = 15.7$ min



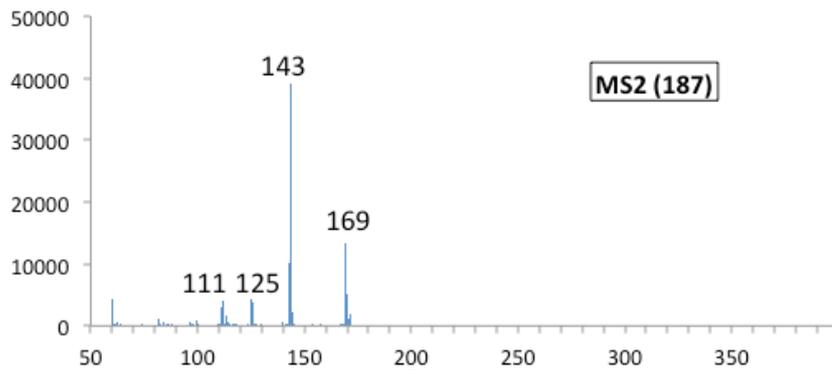
Supplementary Figure 10: MS² of α -pinene tracer at $t_R = 22.8$ min



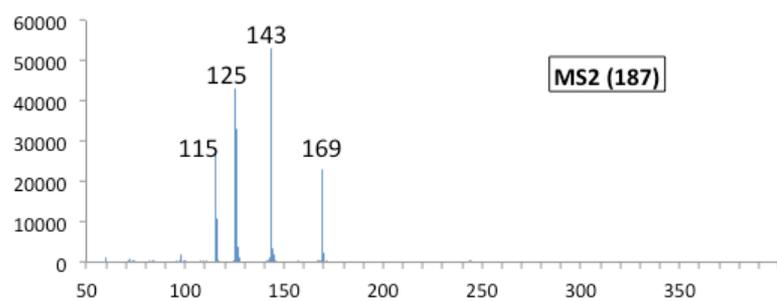
Supplementary Figure 11: MS² of limonene tracer at $t_R = 4.2$ min



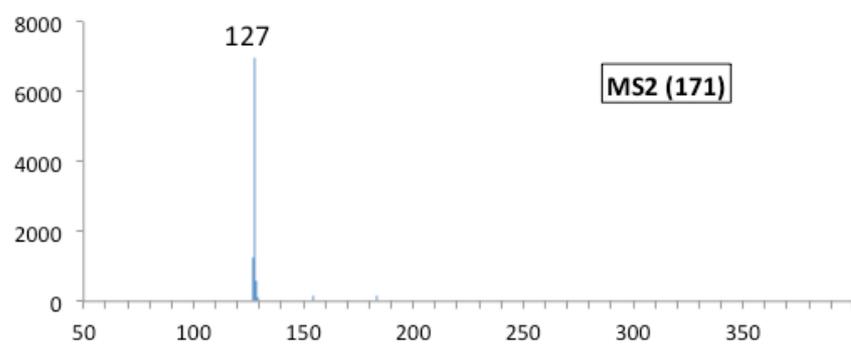
Supplementary Figure 12: MS² of limonene tracer at $t_R = 4.7$ min



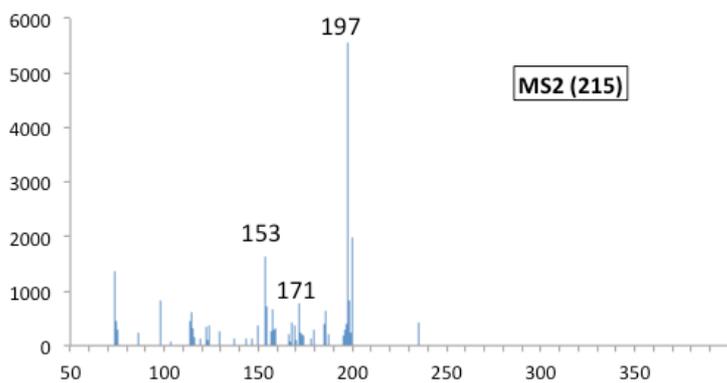
Supplementary Figure 13: MS² of limonene tracer at $t_R = 8.0$ min



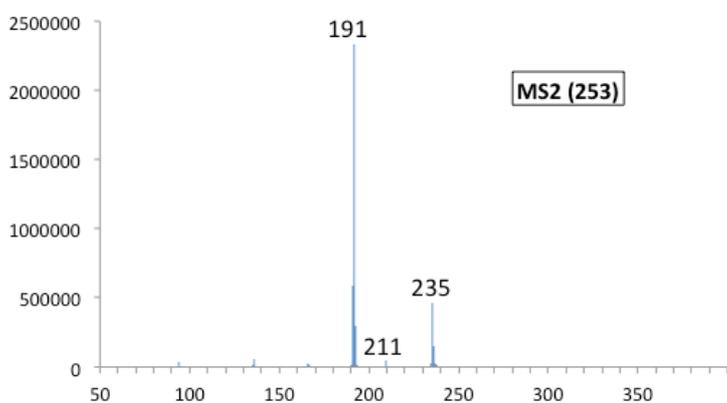
Supplementary Figure 14: MS² of limonene tracer at $t_R = 10.8$ min



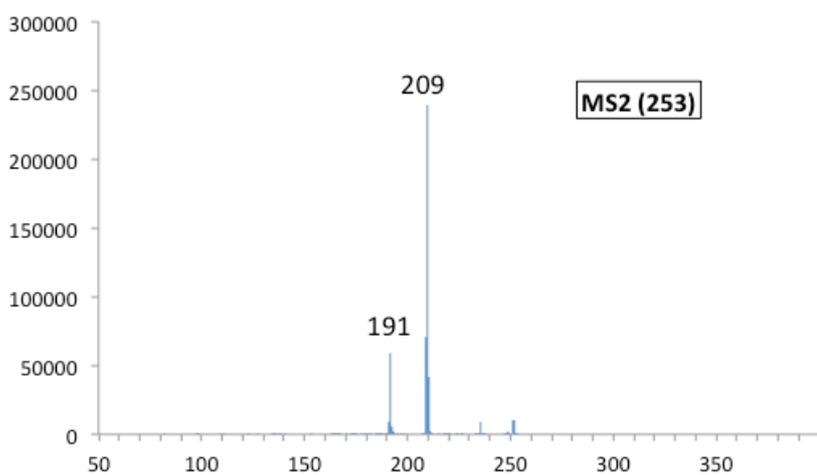
Supplementary Figure 15: MS² of limonene tracer at $t_R = 26.4$ min



Supplementary Figure 16: MS² of β -caryophyllene tracer at $t_R = 16.2$ min



Supplementary Figure 17: MS² of β -caryophyllene tracer at $t_R = 35.4$ min



Supplementary Figure 18: MS² of sesquiterpene tracer at $t_R = 44.6$ min