Supporting information

Towards controlled ionization conditions for ESI-FT-ICR-MS analysis of lignocellulosic based bio-oils

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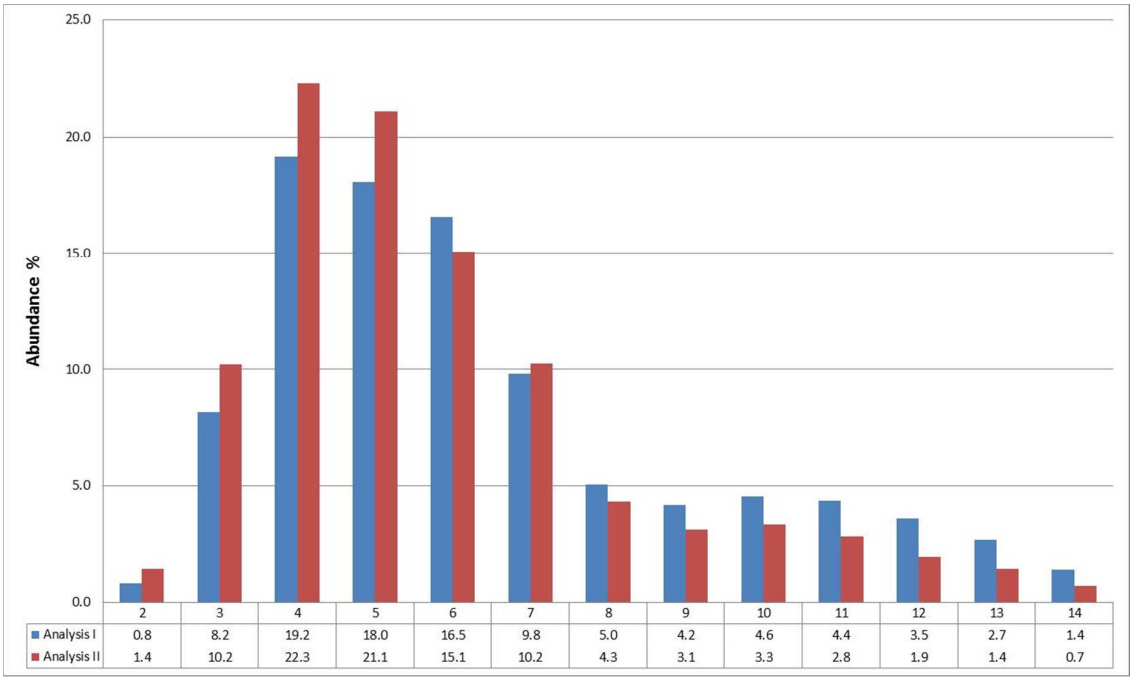
Supporting information 1



	2	3	4	5	6	7	8	9	10	11	12	13	14
Analysis I	0.8	8.2	19.2	18.0	16.5	9.8	5.0	4.2	4.6	4.4	3.5	2.7	1.4
Analysis II	1.4	10.2	22.3	21.1	15.1	10.2	4.3	3.1	3.3	2.8	1.9	1.4	0.7

Figure 1: Relative distribution of $C_xH_yO_z$ compounds detected in positive ion mode for Analysis I and II when sodium acetate is used as dopant.

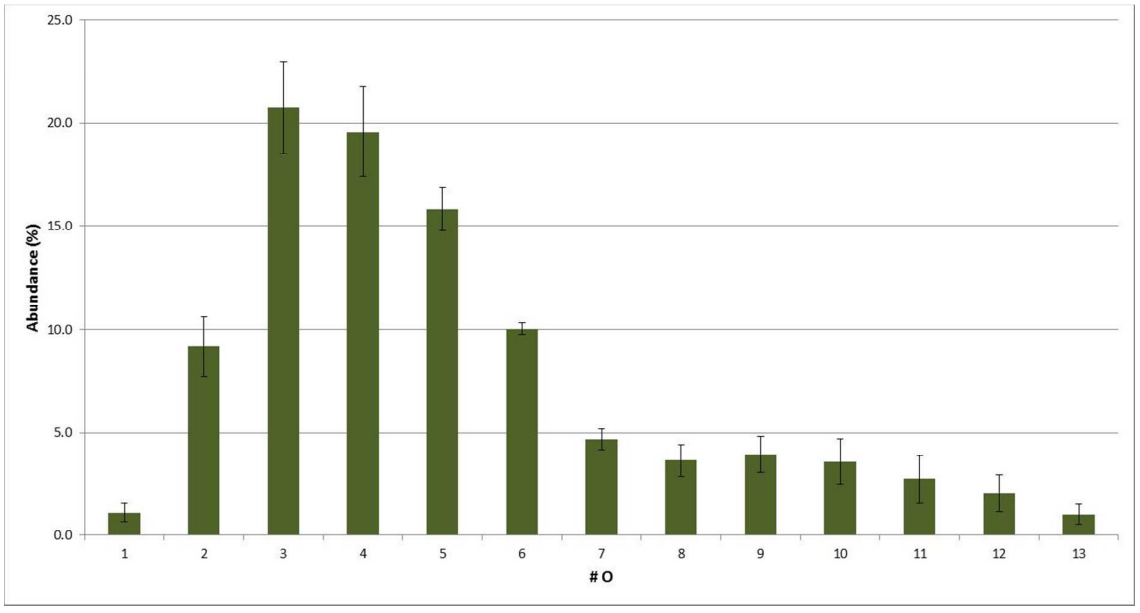


Figure 2: Average relative distribution of $C_xH_yO_z$ compounds detected in positive ion mode for Analysis I and II when sodium acetate is used as dopant. Error bar is relative to the standard deviation for the two considered measurements.

Supporting information 2

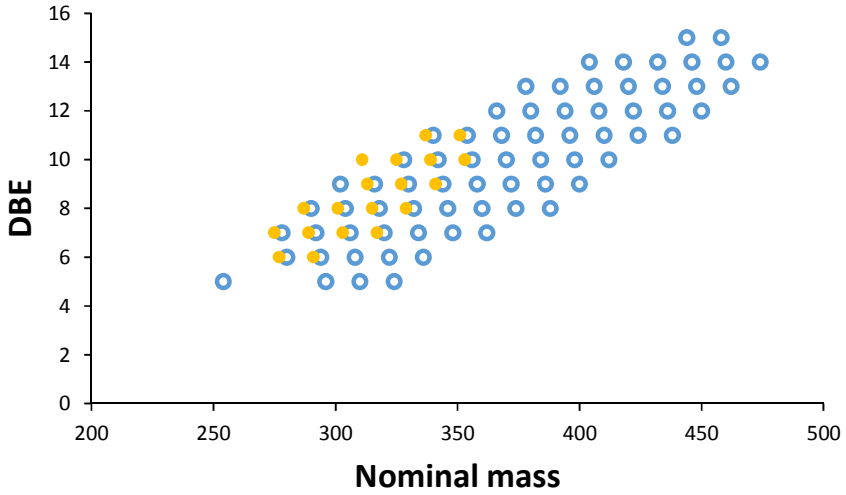


Figure 1: DBE vs nominal mass distribution of negative $C_xH_yNO_z^-$ (open blue circle) $C_xH_yNO_z^-$ (solid yellow circle) ions observed with ammonia.

Supporting information 3

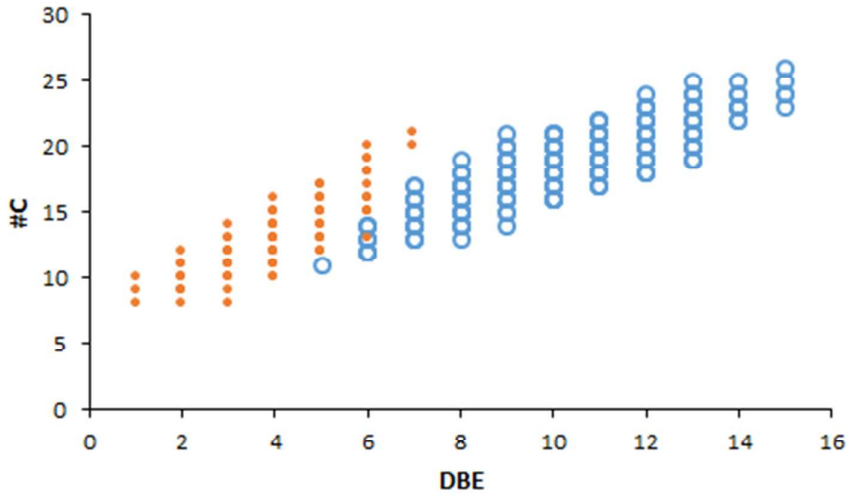


Figure 1: DBE vs #C distribution of $C_xH_yO_z$ compounds for phenolic like (open blue circle) and sugar like (solid orange circle) compounds detected in positive ion mode with formic acid.