

# Experimental and Kinetic Study on Lignin Depolymerization in Water/Formic Acid System

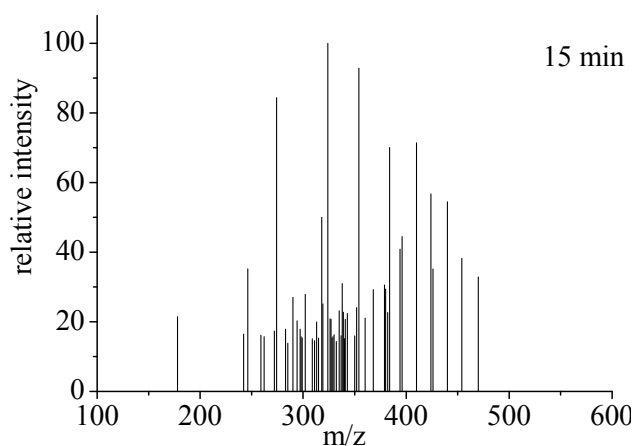
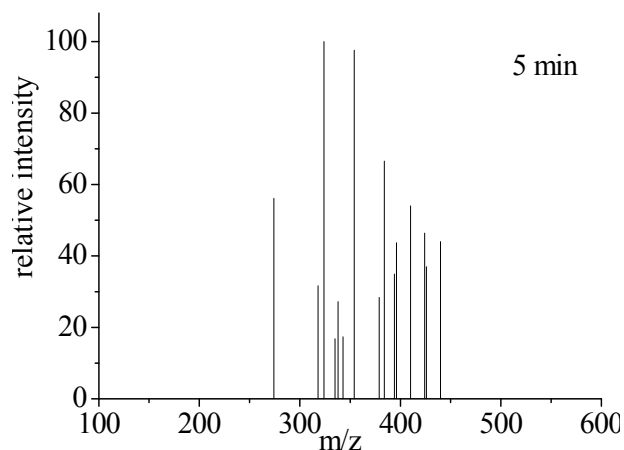
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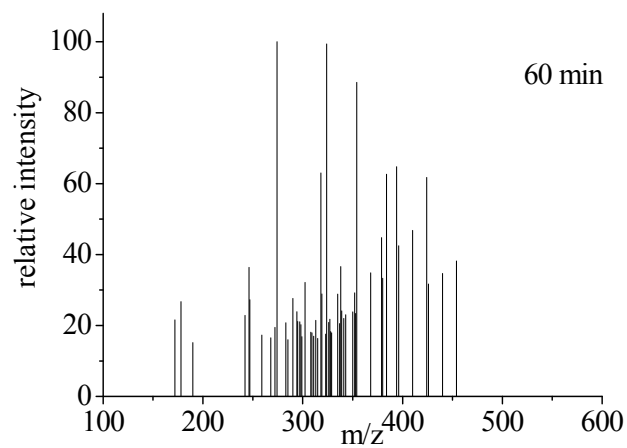
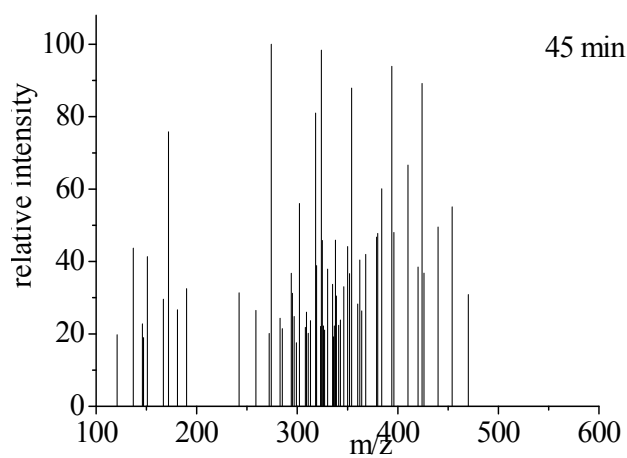
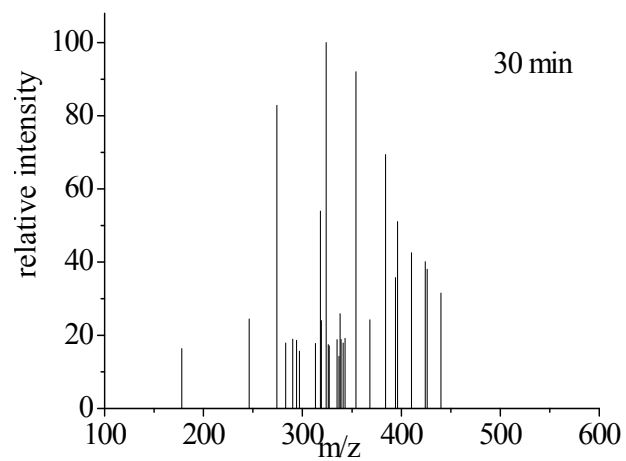
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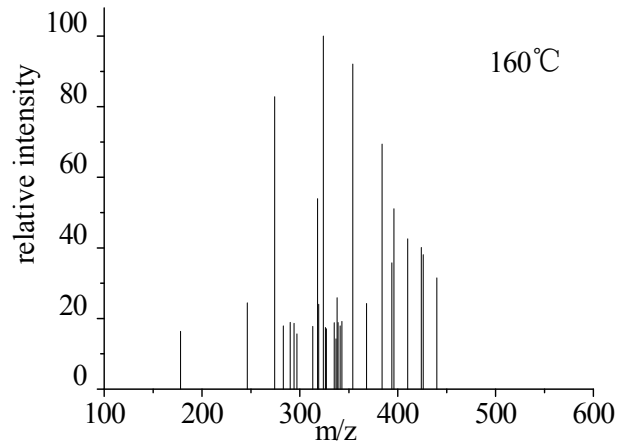
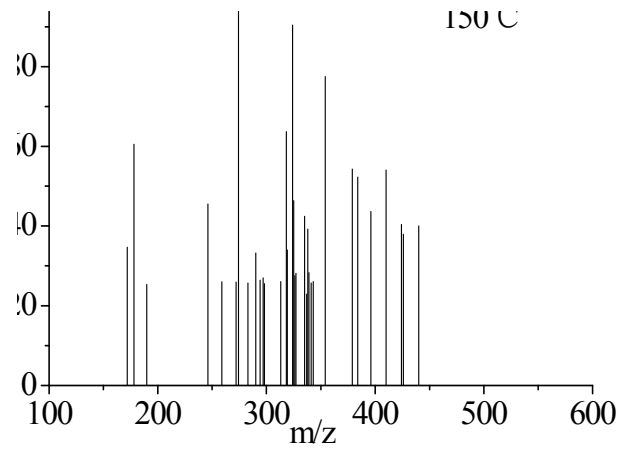
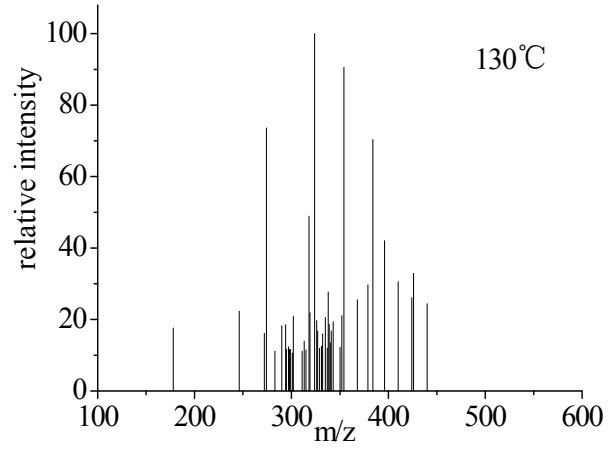
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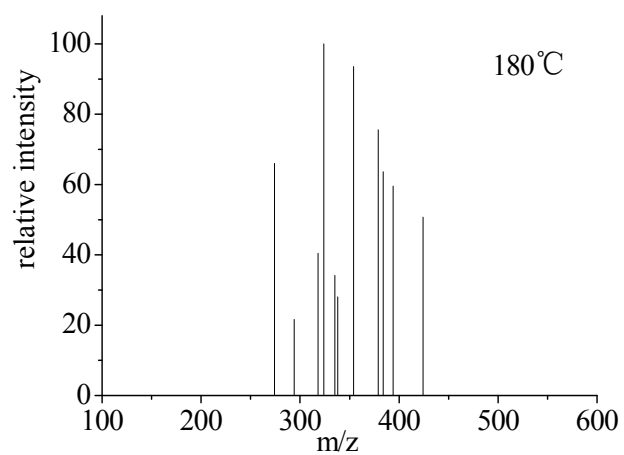
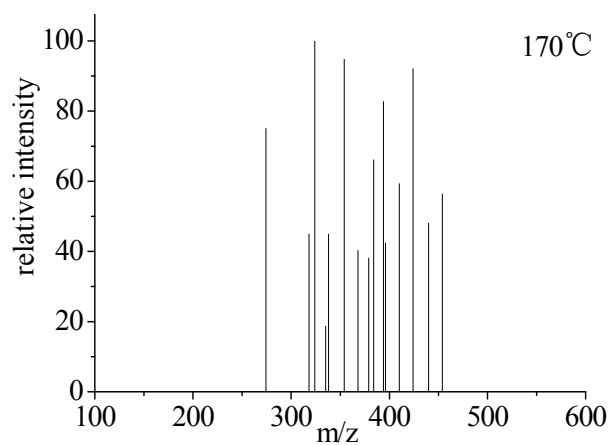
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**Fig. S1: MALDI-TOF MS spectra of *bio-oil 2* under different reaction times at 160 °C**





**Fig. S2: MALDI-TOF MS spectra of *bio-oil 2* at different temperature with the reaction time of 30 min**