

## Electronic Supplementary Information (ESI)

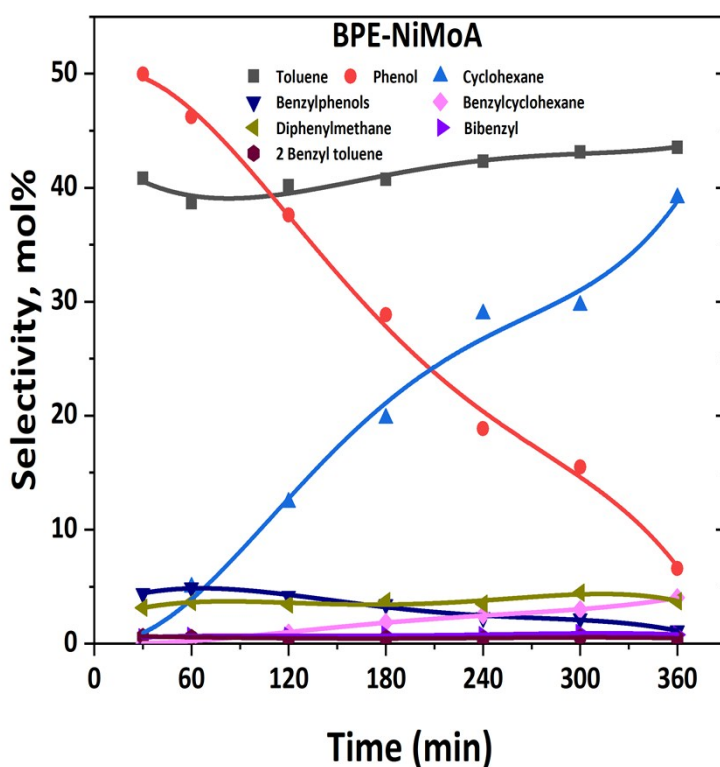
### NiMoS on alumina-USY zeolite for hydrotreating lignin dimers: Effect of support acidity and cleavage of C-C bond

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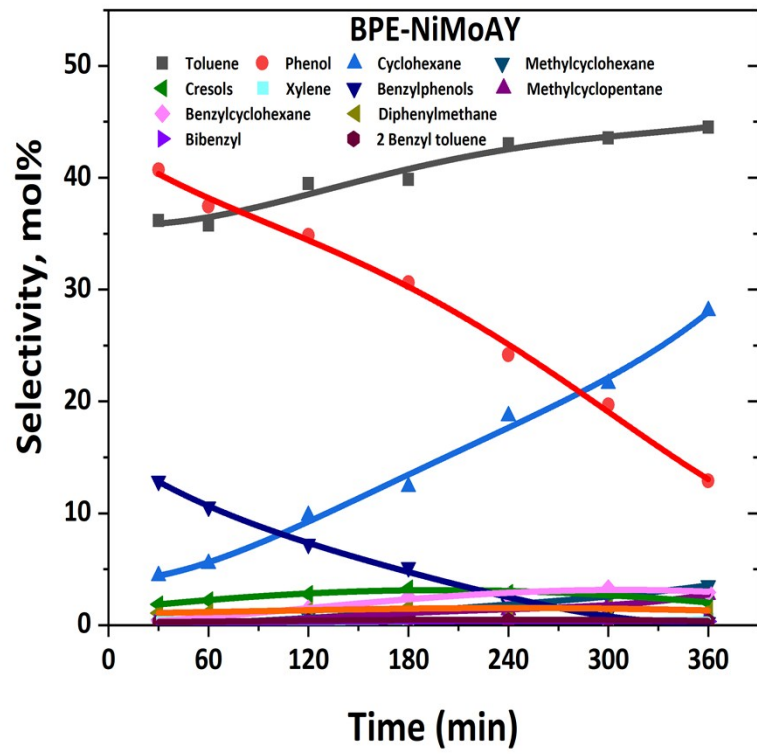
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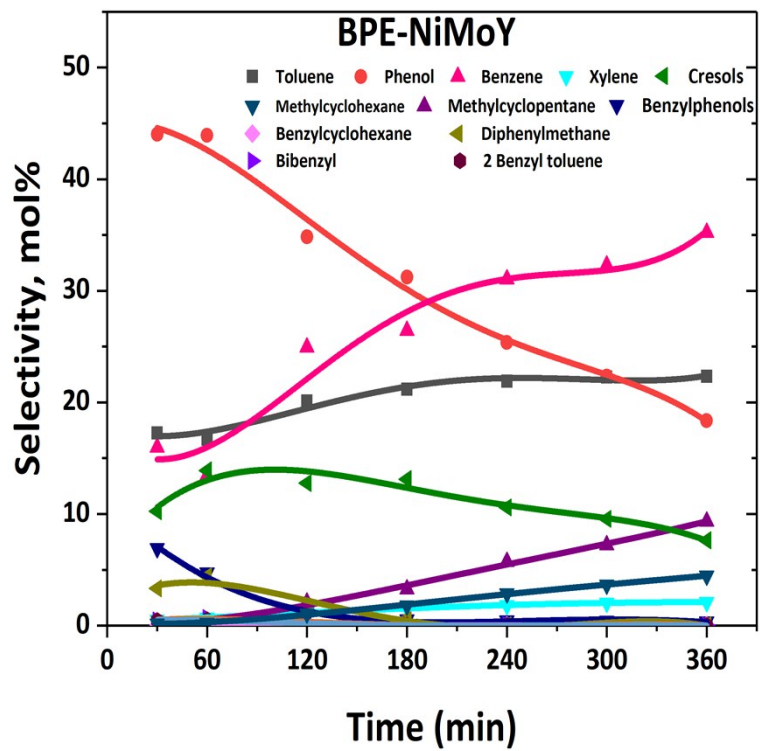
**Fig.S1.** Product selectivity's during HDO of BPE over (a) NiMoA, (b) NiMoAY and (c) NiMoY



(a)

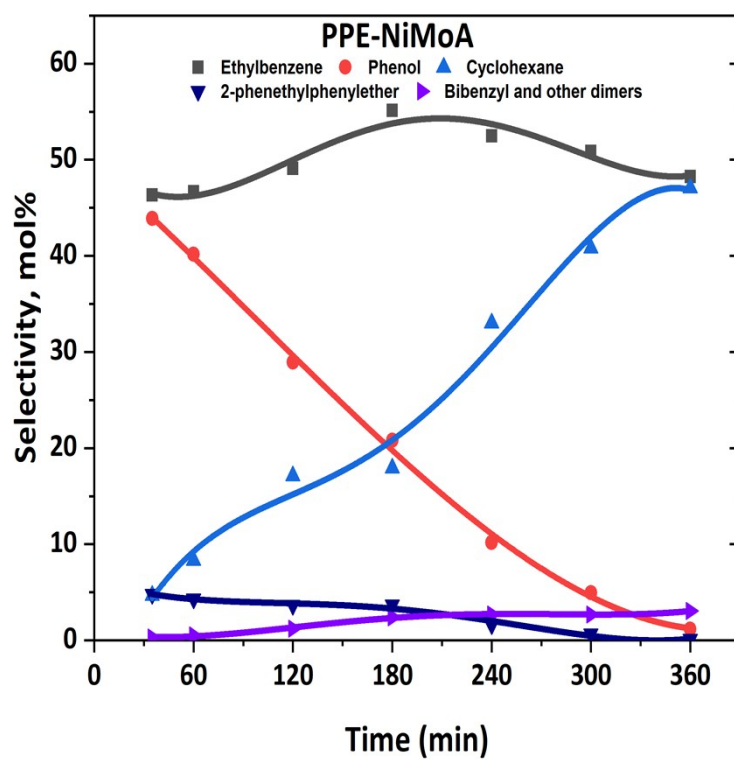


(b)

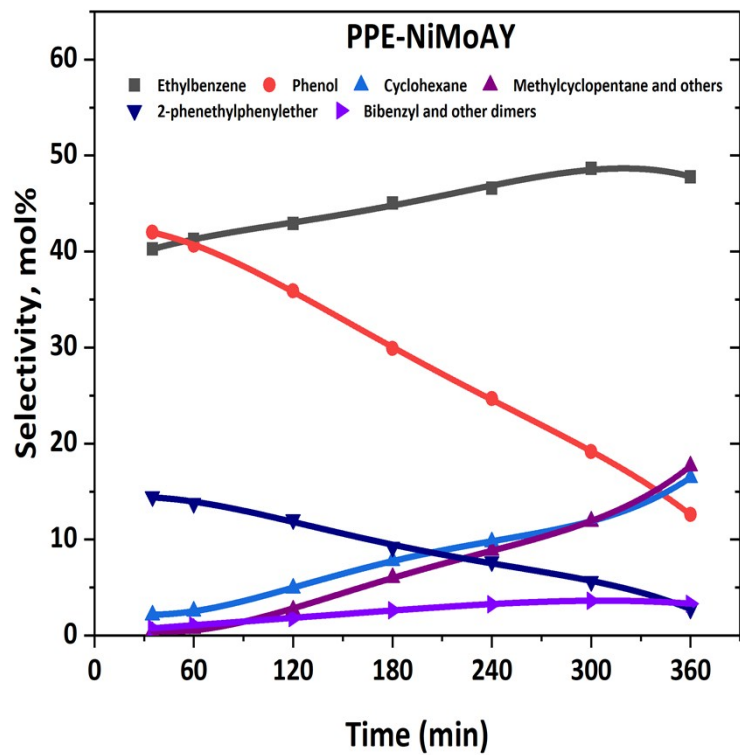


(c)

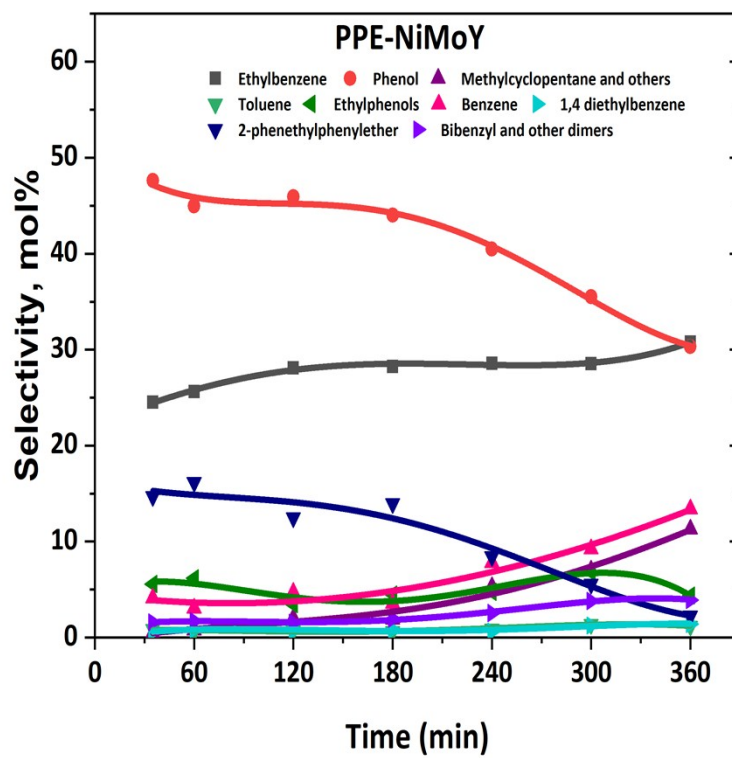
Fig.S2. Product selectivity's during HDO of PPE over (a) NiMoA, (b) NiMoAY and (c) NiMoY



(a)



(b)



(c)

Fig.S3. Product selectivity's during HDO of 2,2'Biphenol over USY only

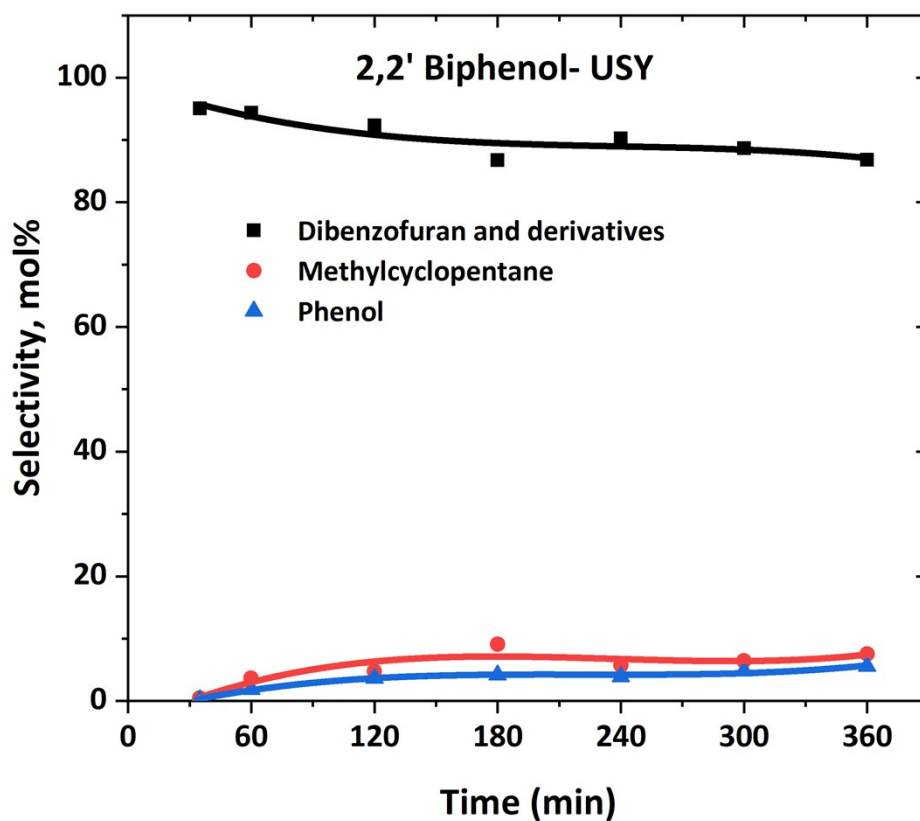


Fig.S4. Product selectivity's during repeated experiments of HDO of 2,2'Biphenol over NiMoY

