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Supporting Information

Hydroconversion of Perhydrophenanthrene over Bifunctional Pt/H-USY Zeolite Catalyst

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Author Contributions

L.B. Investigation:Lead; Writing - Original Draft:Lead

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F.A. Investigation:Supporting; Supervision:Supporting

J.M. Conceptualization:Equal; Writing - Original Draft:Equal; Writing - Review & Editing:Equal

Results Section

Hydroconversion of perhydrophenanthrene

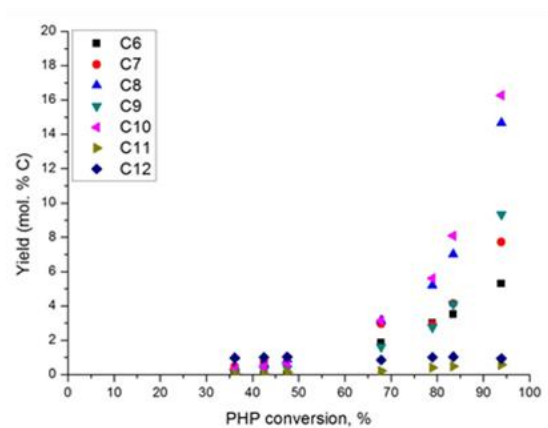


Figure S1. Yield of cracked naphthenes per 100 mol of cracked products as a function of perhydrophenanthrene conversion over bifunctional Pt/H-USY zeolite catalyst.

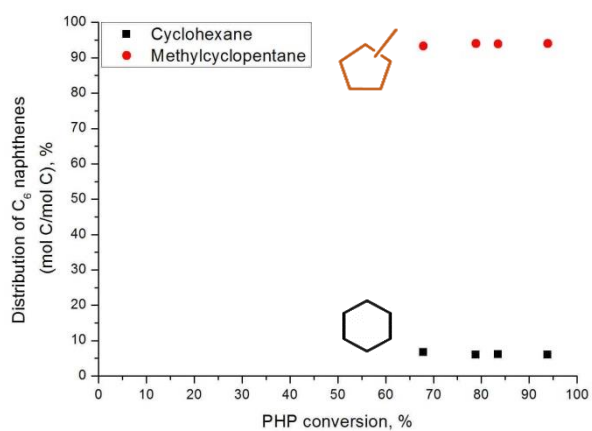


Figure S2. Distribution of C₆ naphthenes resulting from hydrocracking of PHP over Pt/H-USY zeolite catalyst.

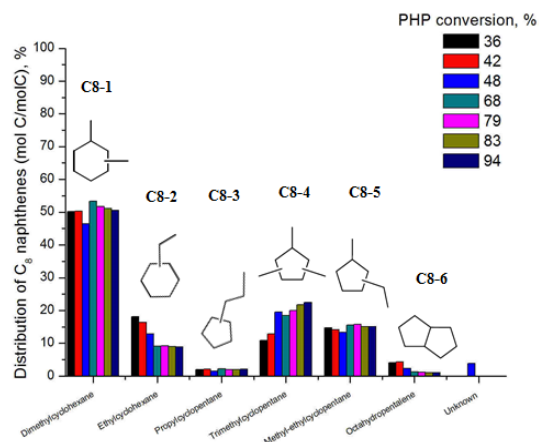


Figure S3. Distribution of C₈ naphthenes from hydrocracking of PHP over Pt/H-USY zeolite catalyst at different conversions.

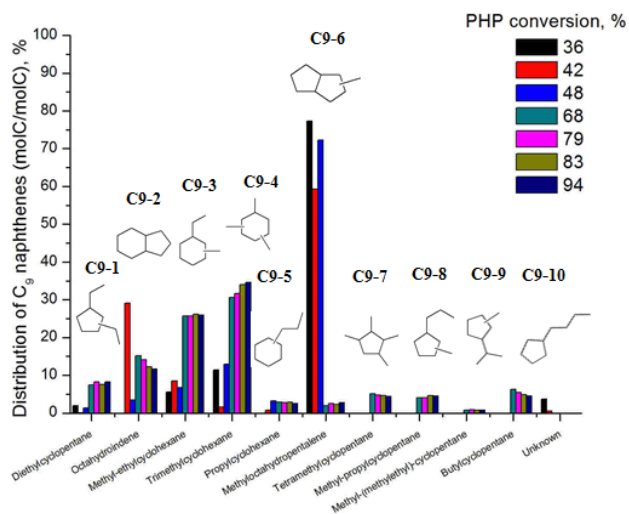


Figure S4. Distribution of C₉ naphthenes from hydrocracking of PHP over Pt/H-USY zeolite catalyst at different conversions.

Experimental Section

Catalytic tests

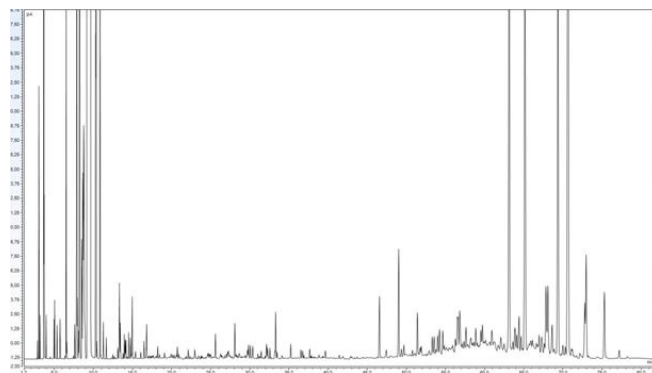


Figure S5. Example of GC-FID analysis of reaction products from hydroconversion of perhydrophenanthrene over Pt/H-USY zeolite catalyst.