

Supporting Information

Covalent Triazine Framework C₆N₆ as an Electrochemical Sensor for Hydrogen-Containing Industrial Pollutants. A DFT Study

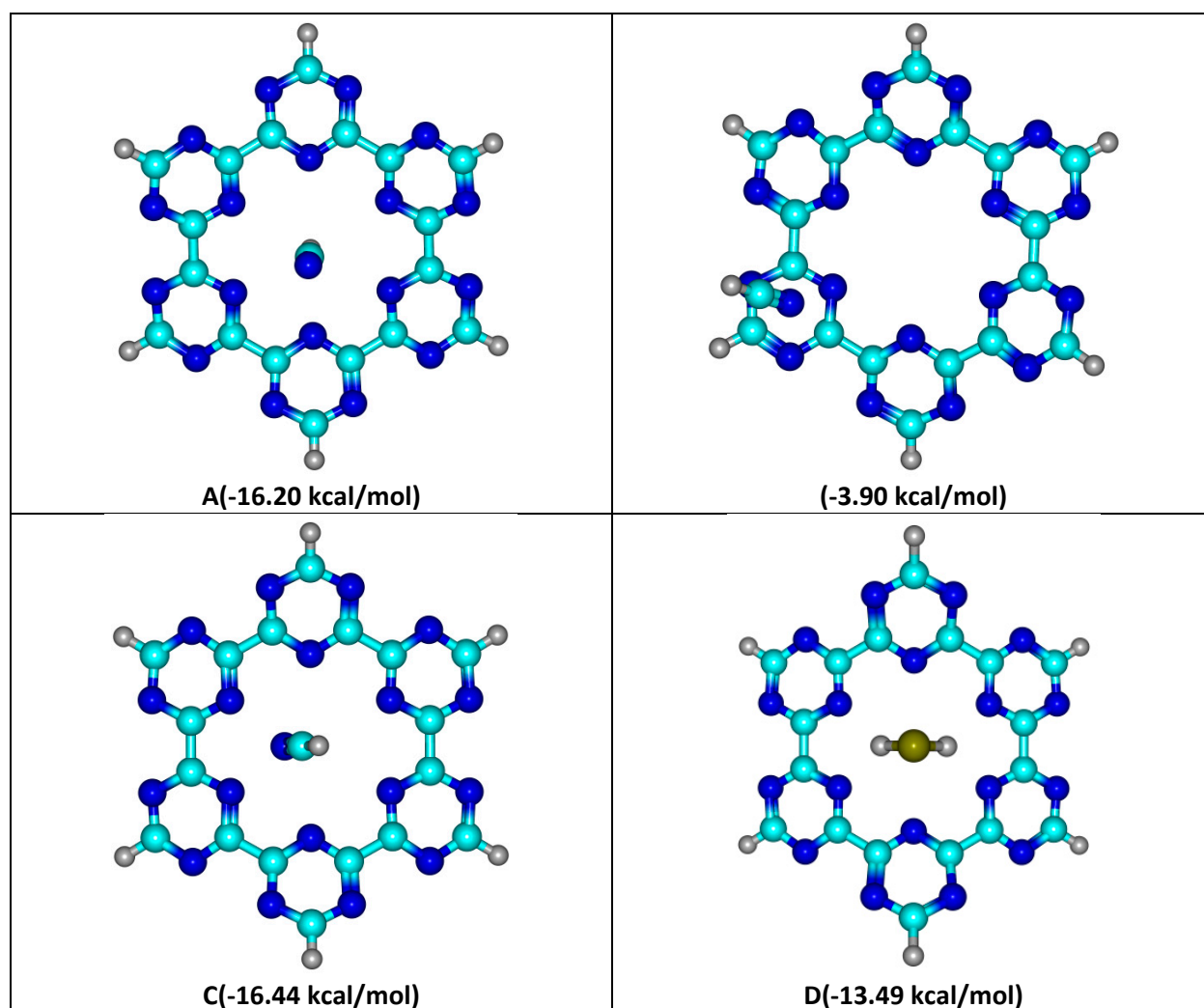
Hassan H. Hammud ^{1,*}, Muhammad Yar ^{2,†}, Imene Bayach ¹ and Khurshid Ayub ^{2,*}

¹ Department of Chemistry, College of Science, King Faisal University, Al-Ahsa 31982, Saudi Arabia

² Department of Chemistry, COMSATS University Islamabad, Abbottabad Campus, KPK, Islamabad 22060, Pakistan

* Correspondence: hhammoud@kfu.edu.sa (H.H.H.); khurshid@cuiatd.edu.pk (K.A.)

† These authors contributed equally.



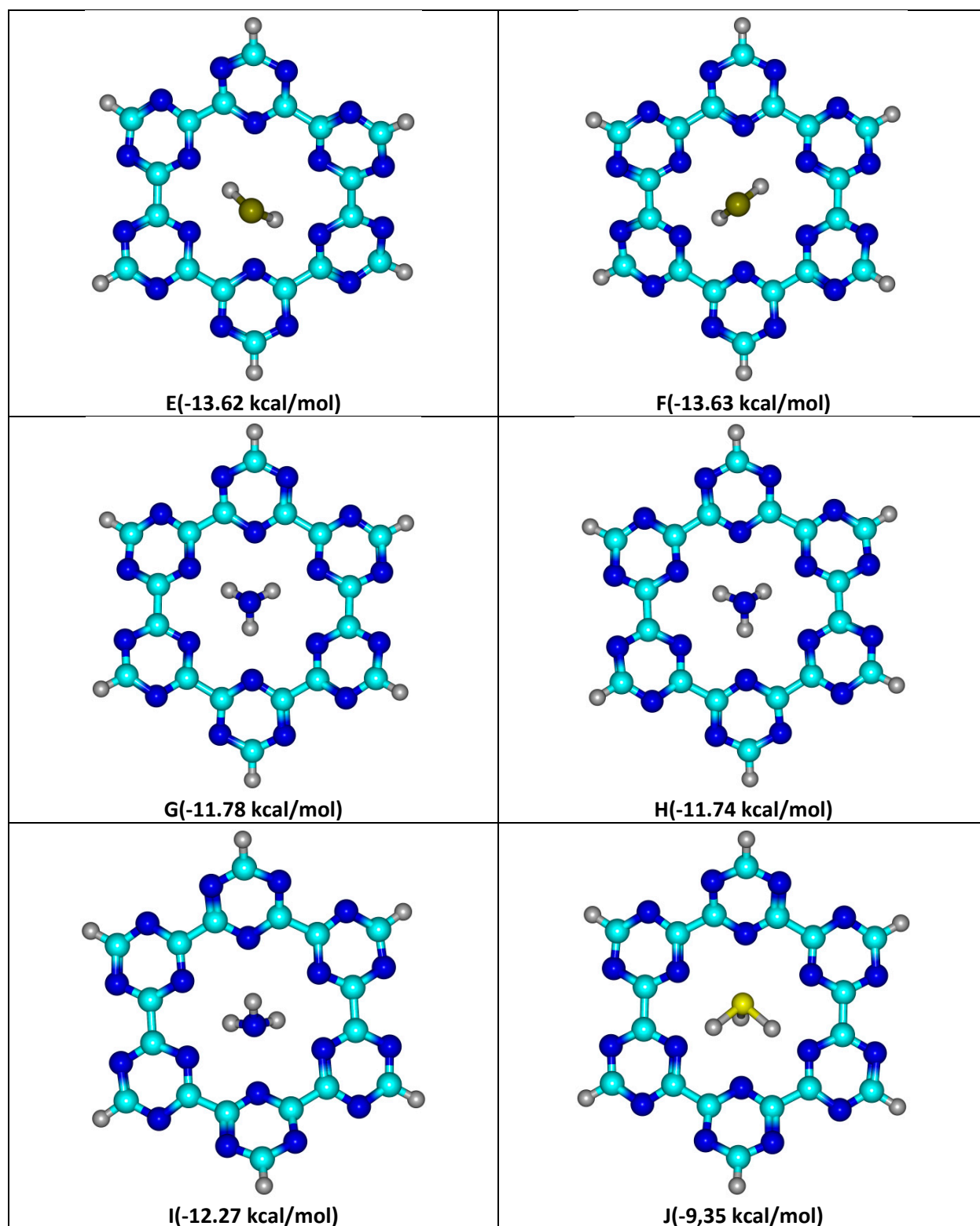


Figure S1. Optimized geometries of least stable complexes of each analyte over C₆N₆ at ω b97XD/6-31G (d,p) level of theory.(HCN/C₆N₆ complexes (A-C), H₂S/C₆N₆ complexes (D-F), NH₃/C₆N₆ complexes (G-I), PH₃/C₆N₆ complexes (J)).