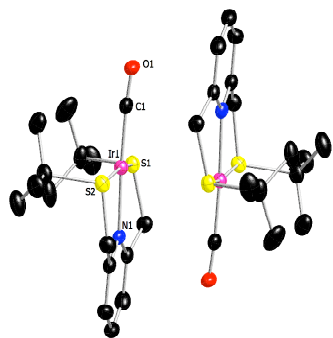
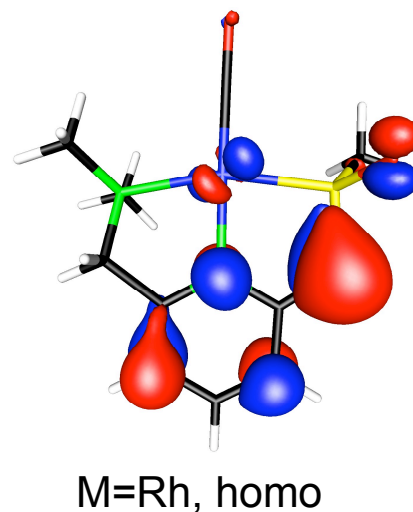
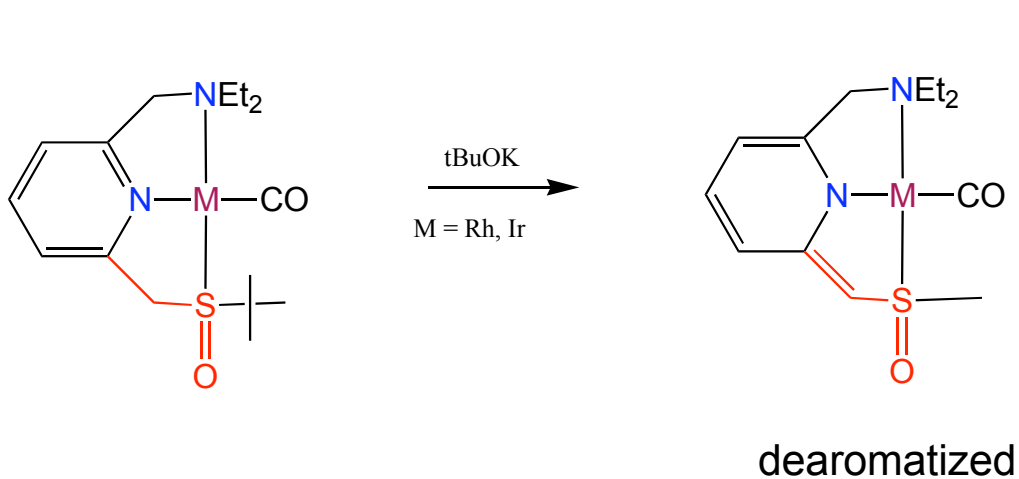
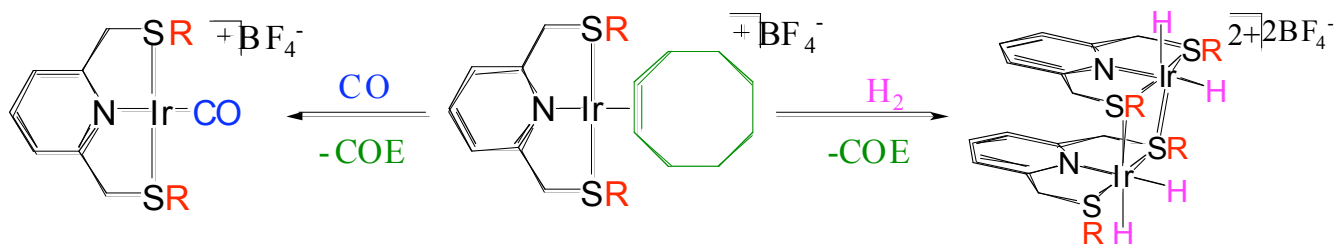


# SNS and SNN Pincer Complexes for Catalysis

Rh and Ir complexes based on a new pyridine-based sulfoxide and thiolate pincer ligands have been prepared. The sulfoxide SNN complexes can be deprotonated to stable dearomatized complexes. The sulfur atom is involved in charge delocalization. These complexes are being studied in catalysis based on aromatization/ dearomatization and hemilability



Ir-Ir=3.22 Å



Ir-Ir dimer in the solid

R = <sup>t</sup>Bu