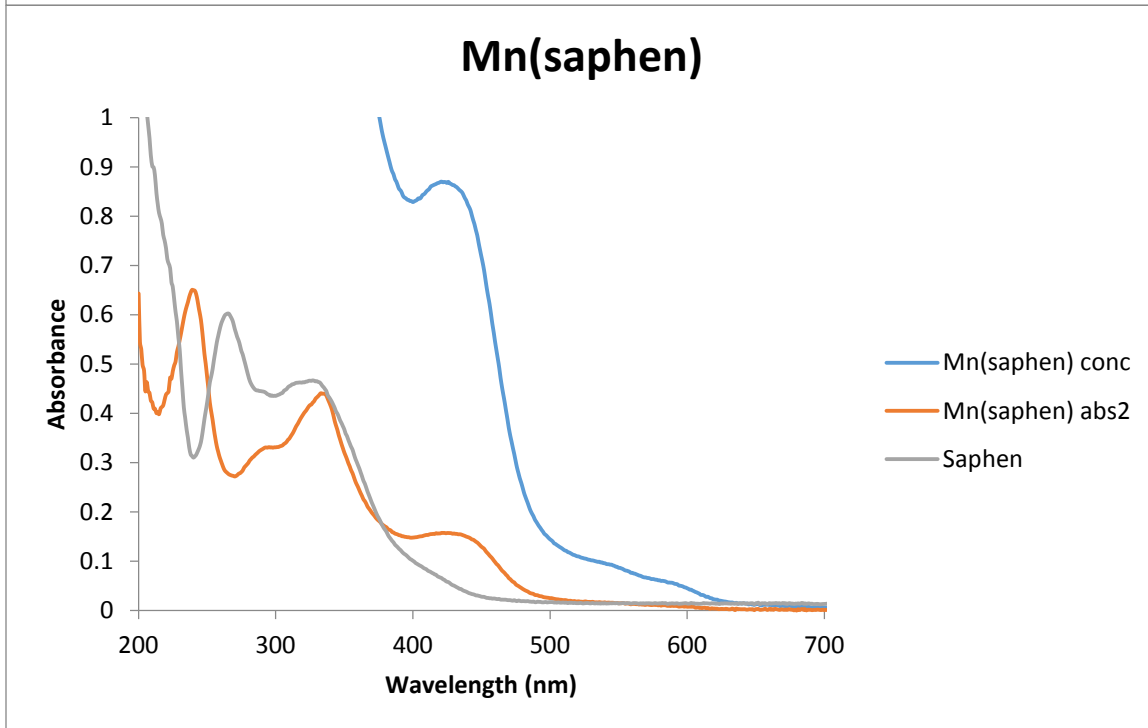
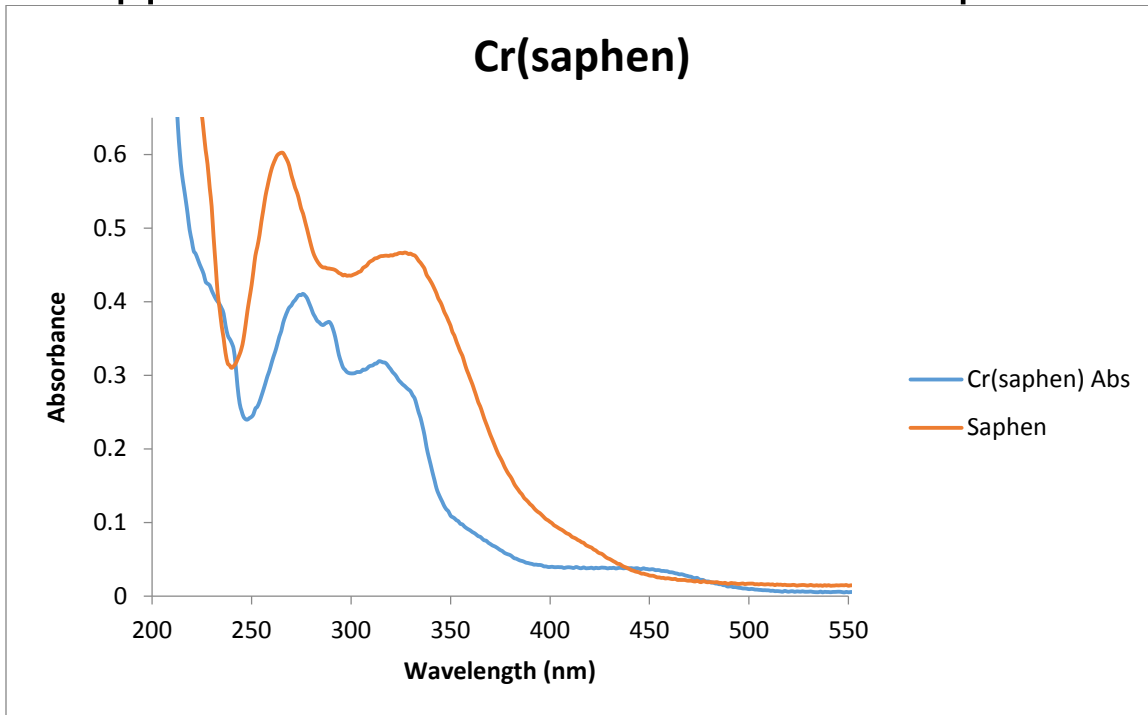


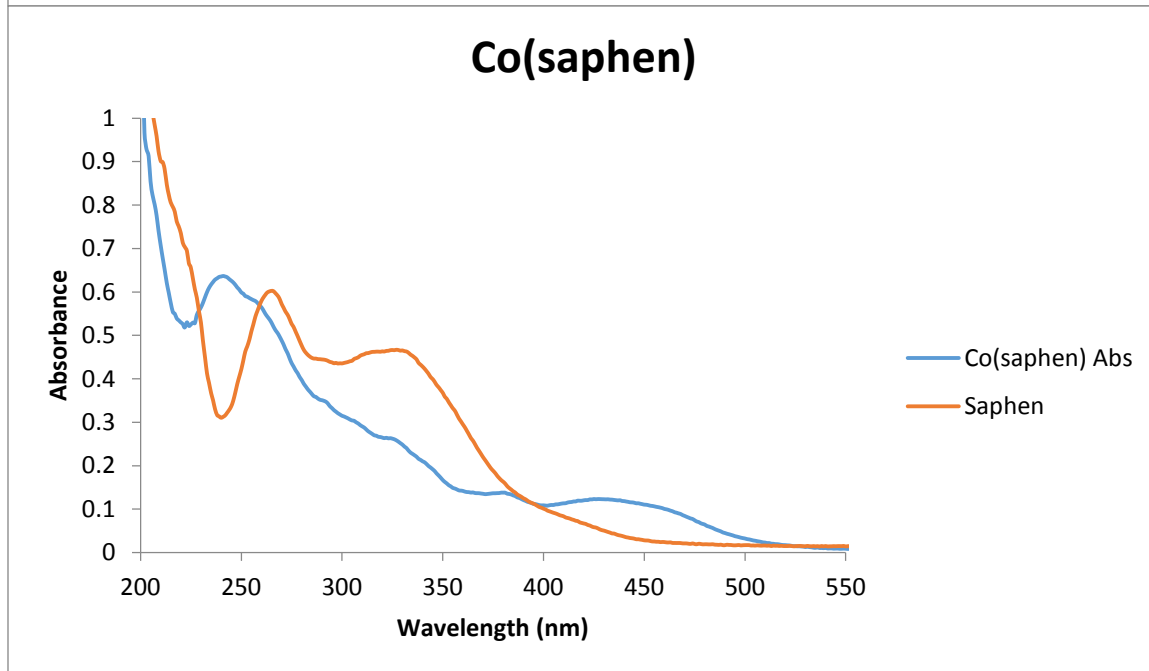
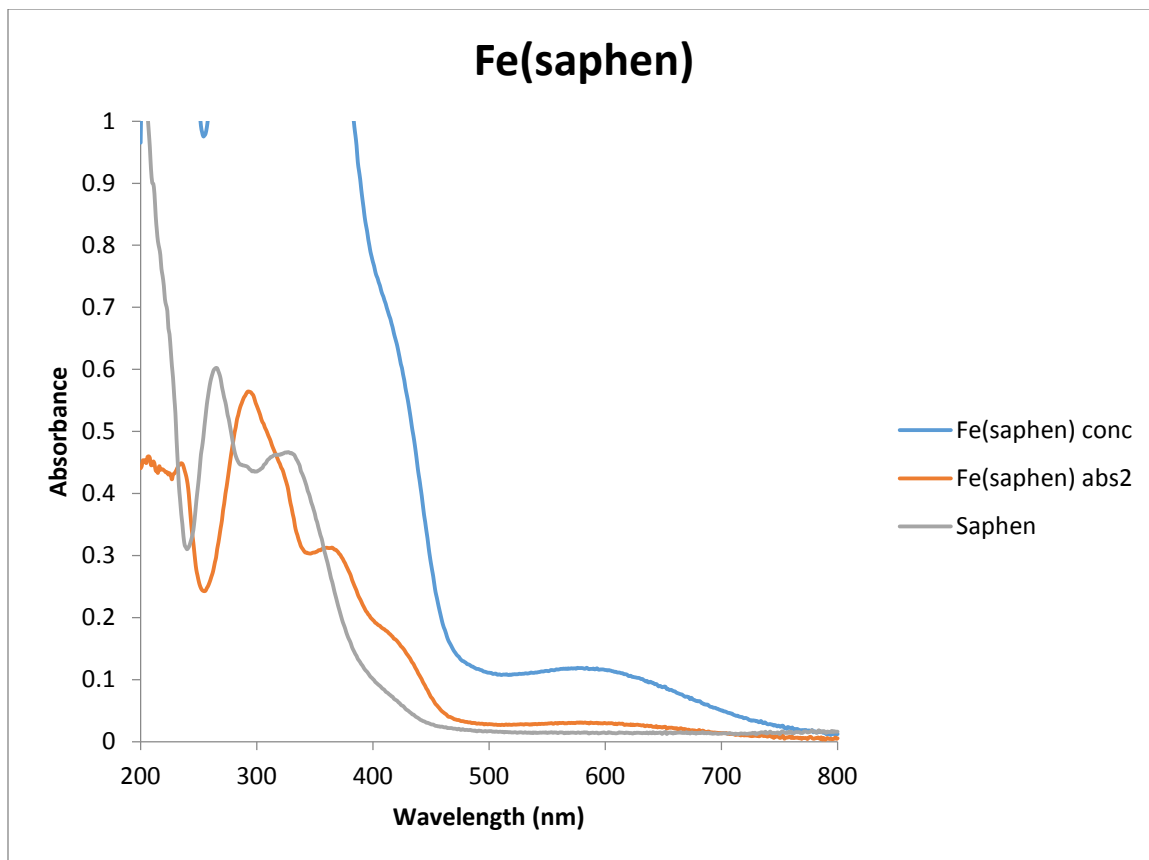
Supplemental Material

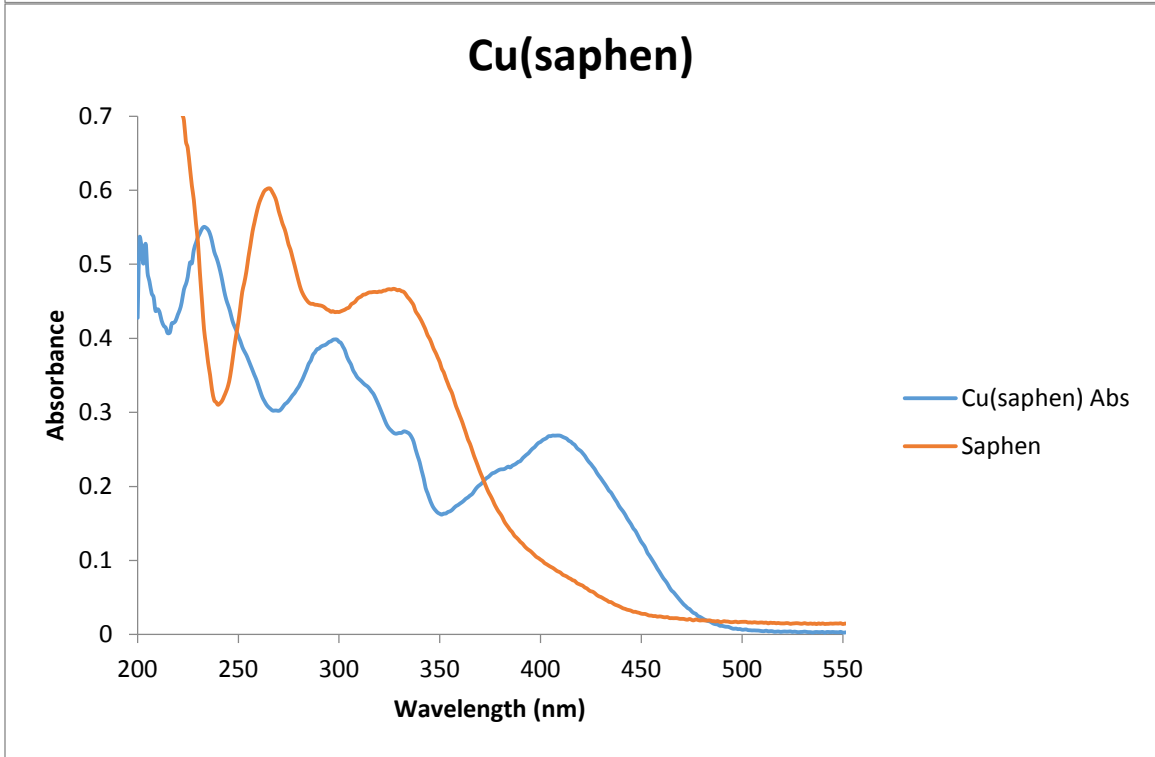
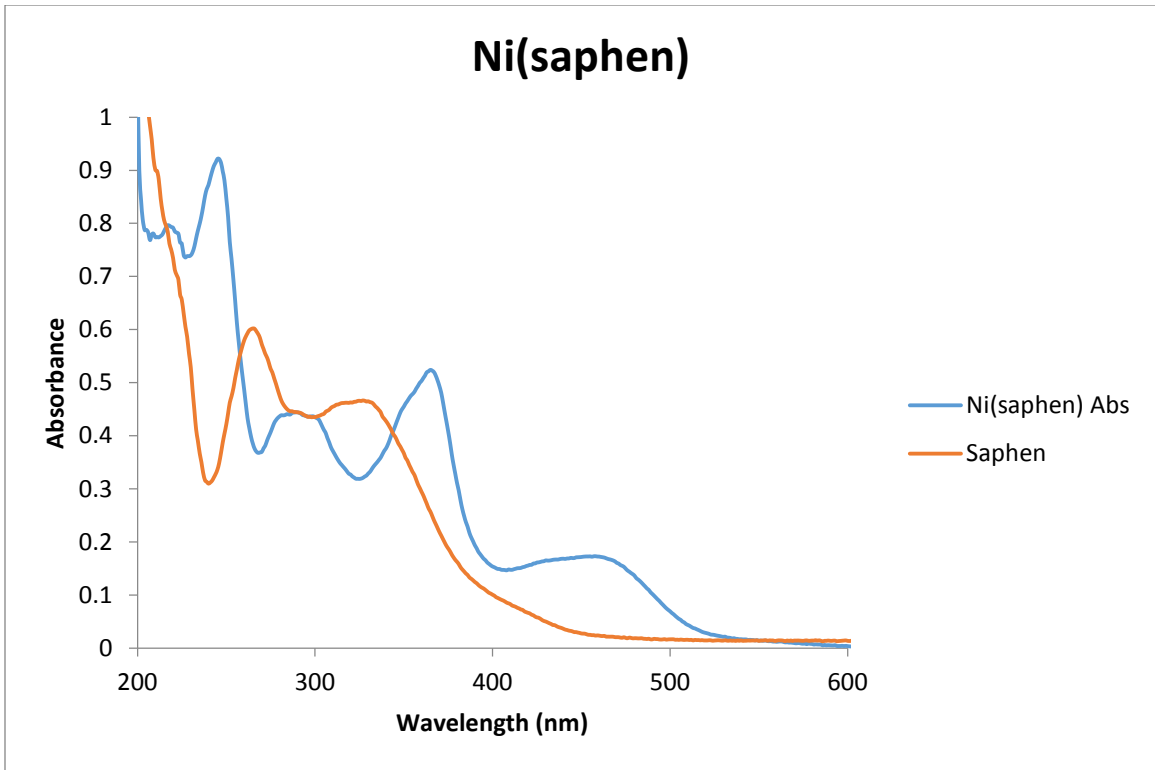
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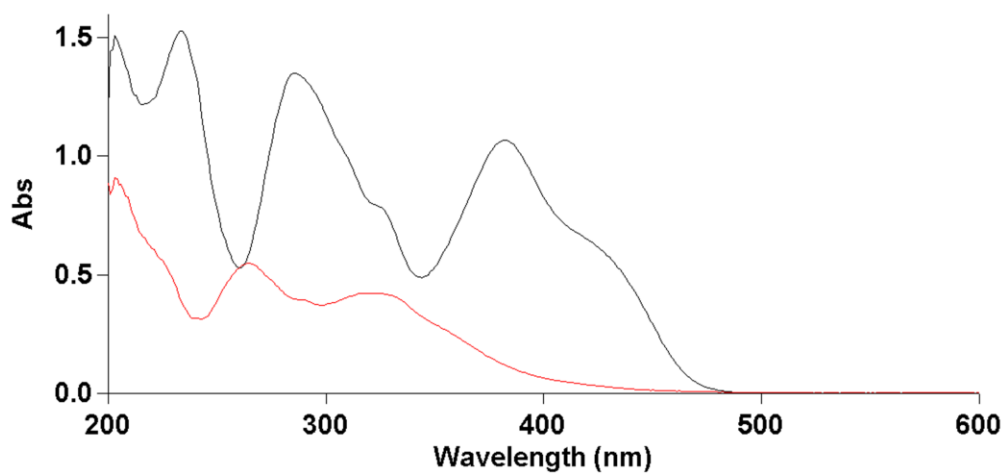
Supplement 1: Additional UV-Visible Spectra





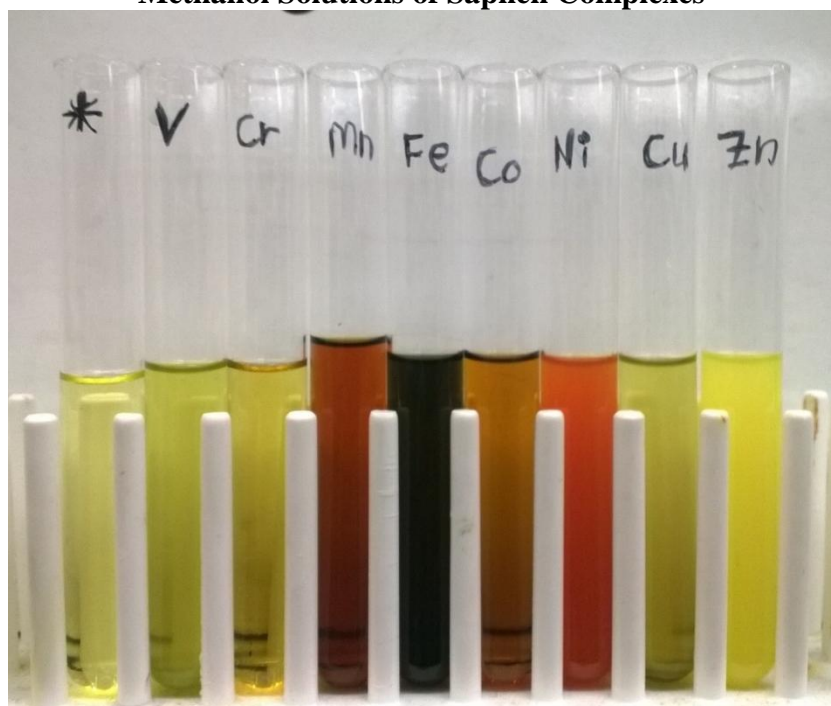


Zn(saphen)

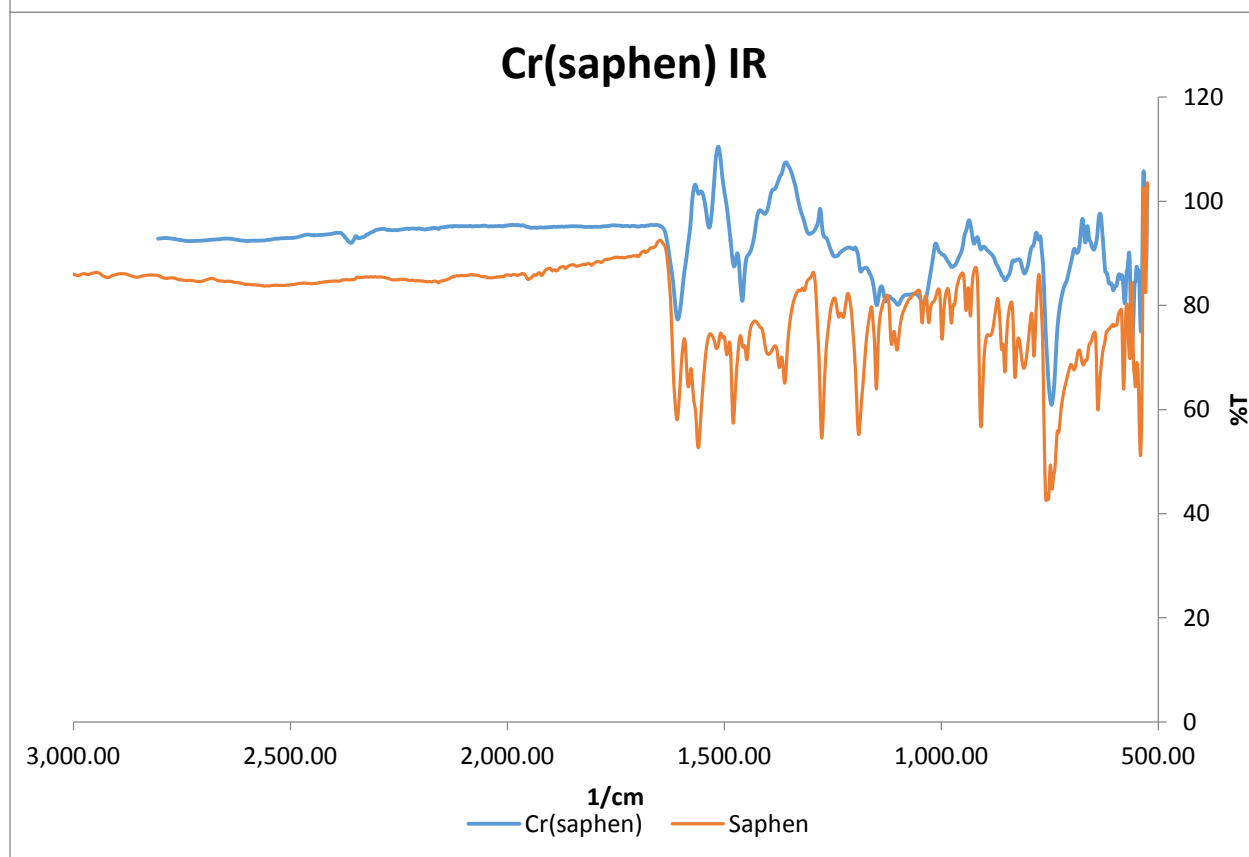
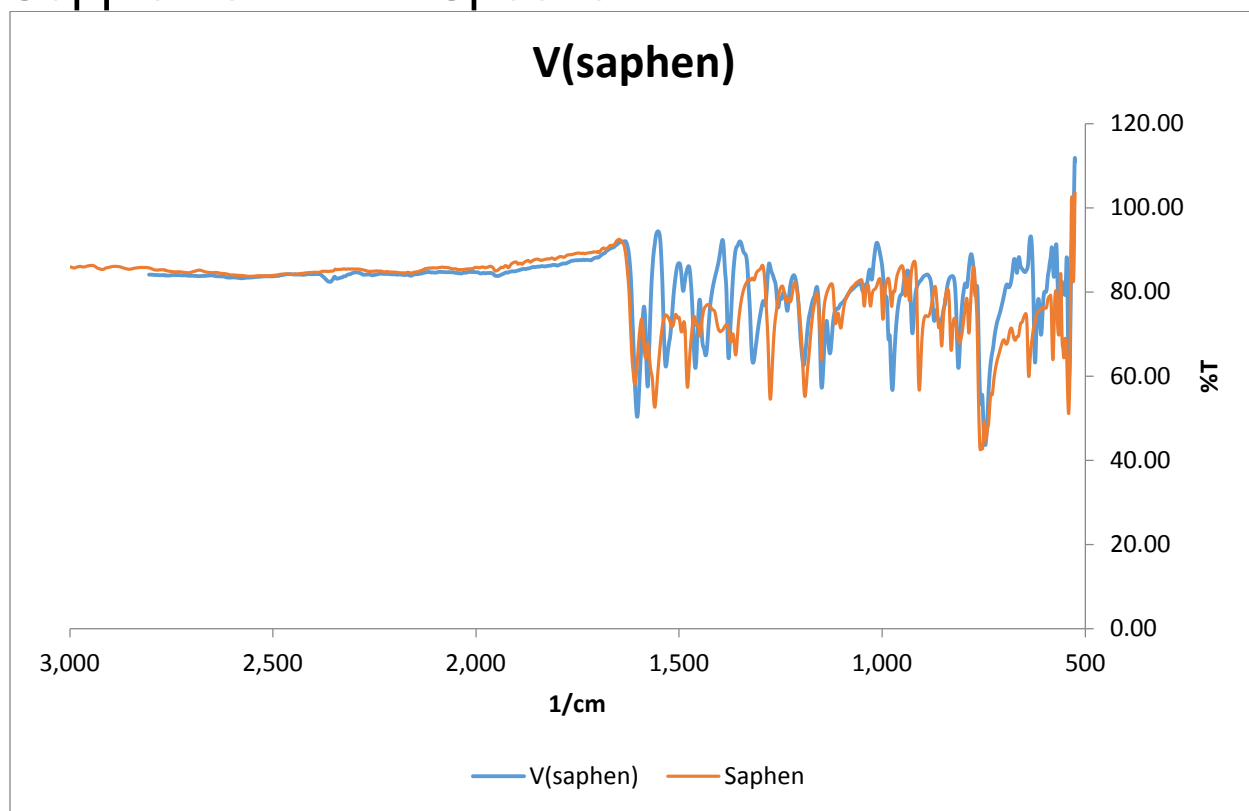


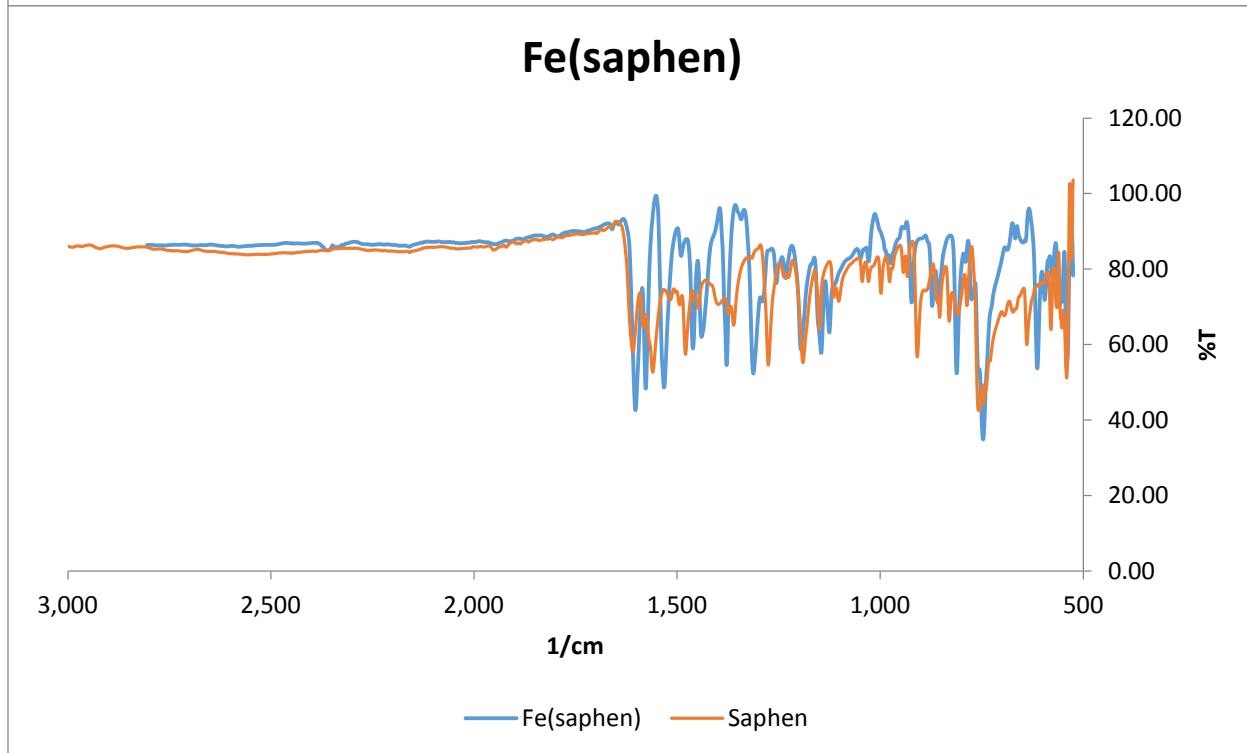
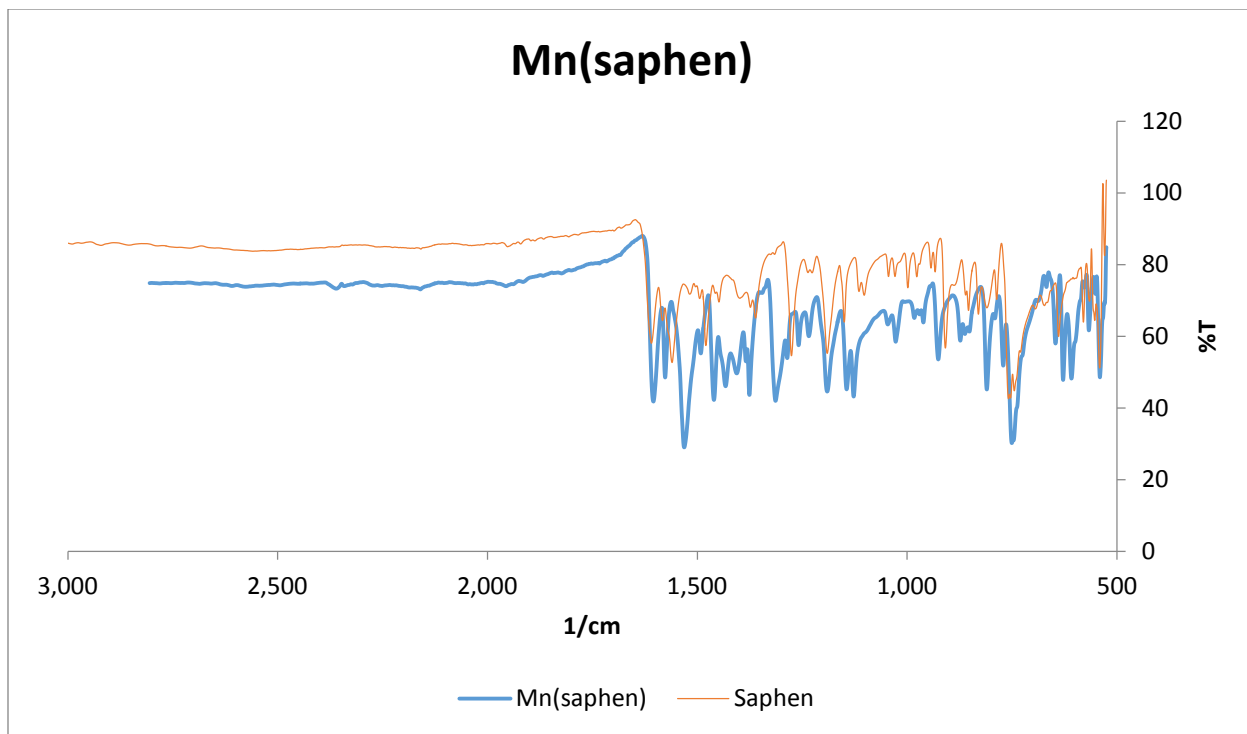
Red=saphen
black=Zn(saphen)

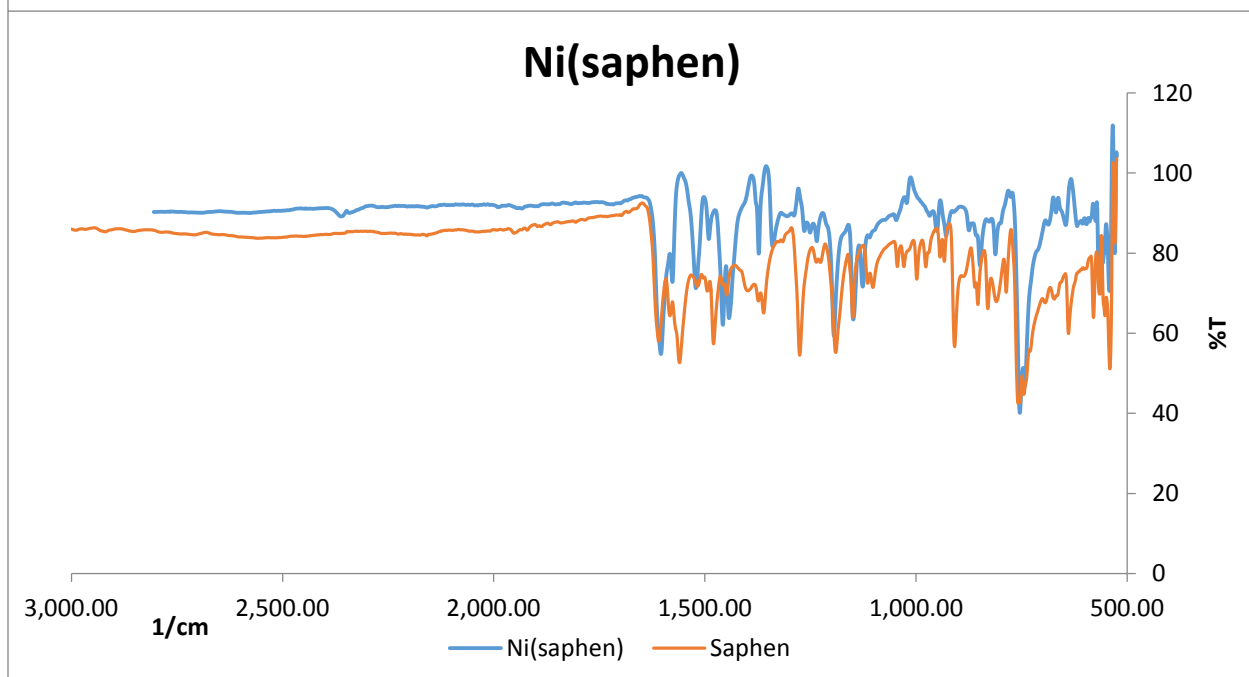
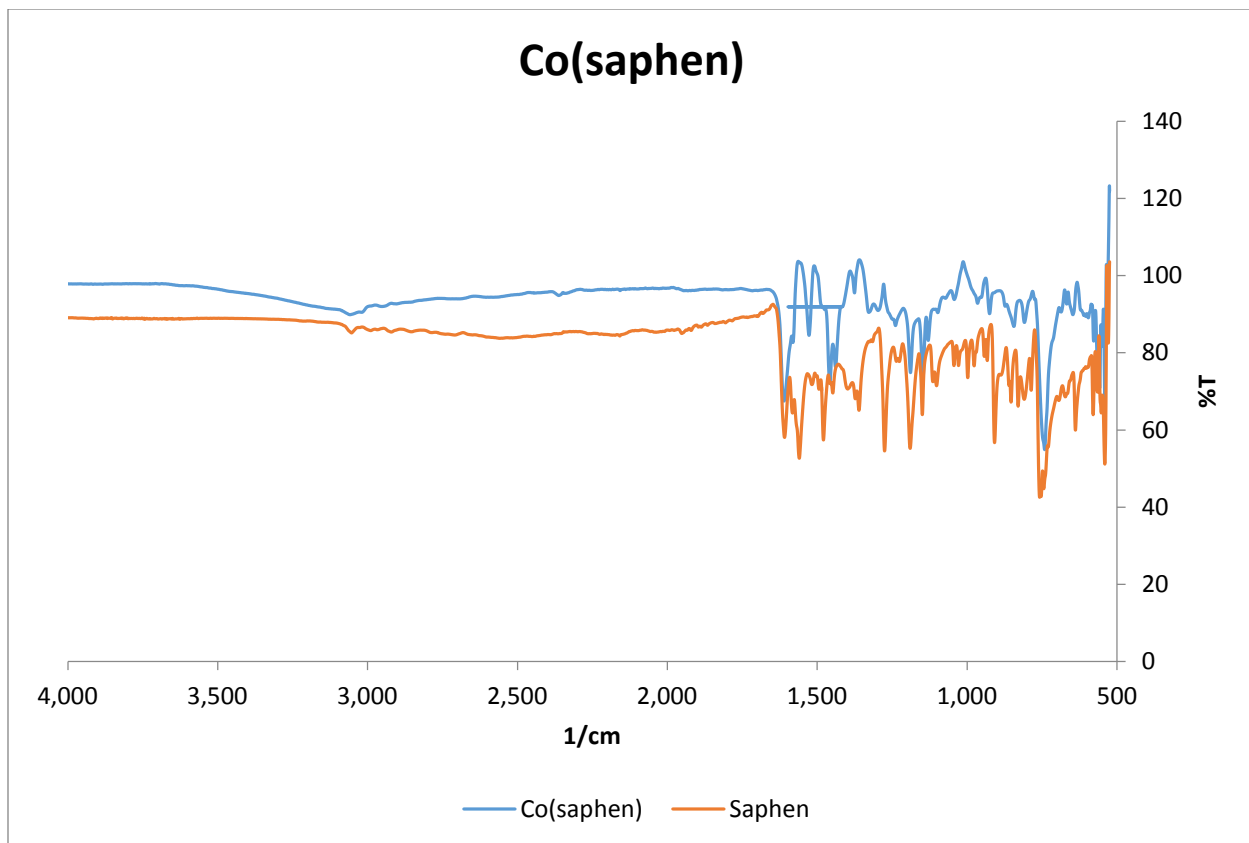
Methanol Solutions of Saphen Complexes

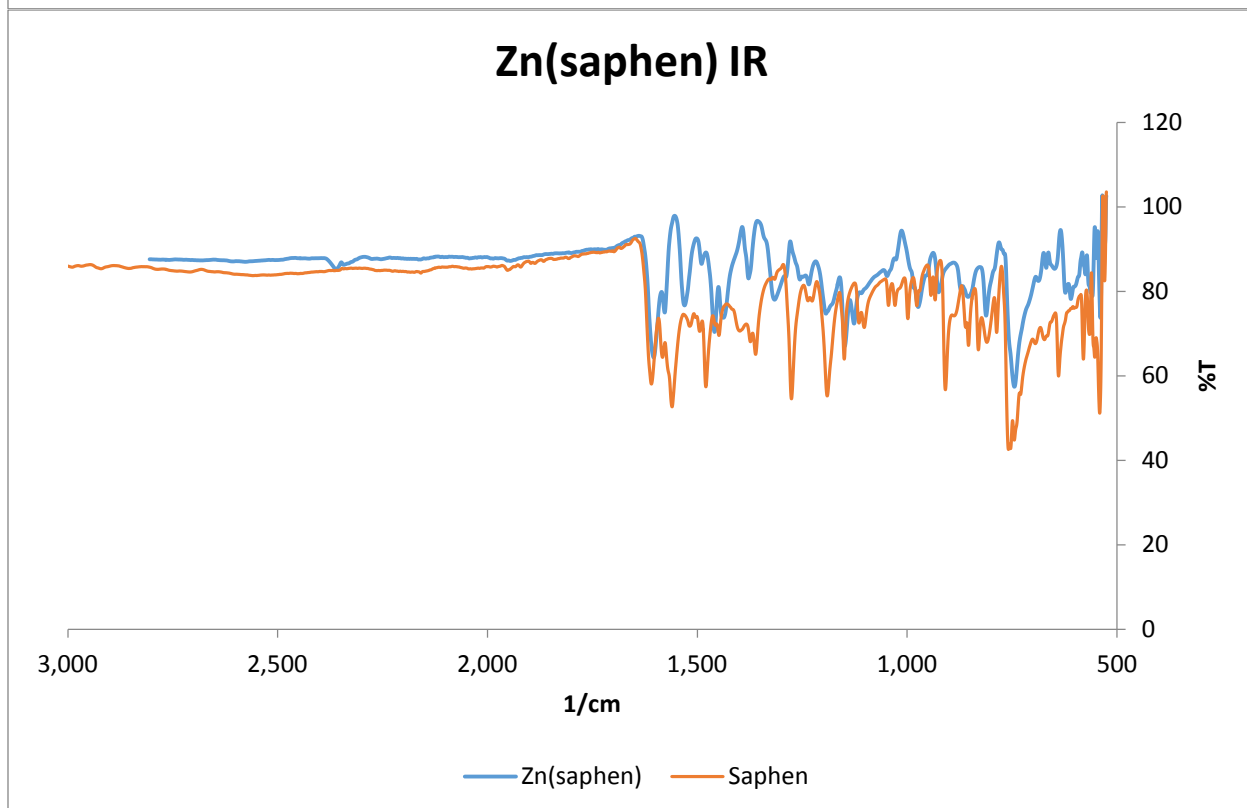
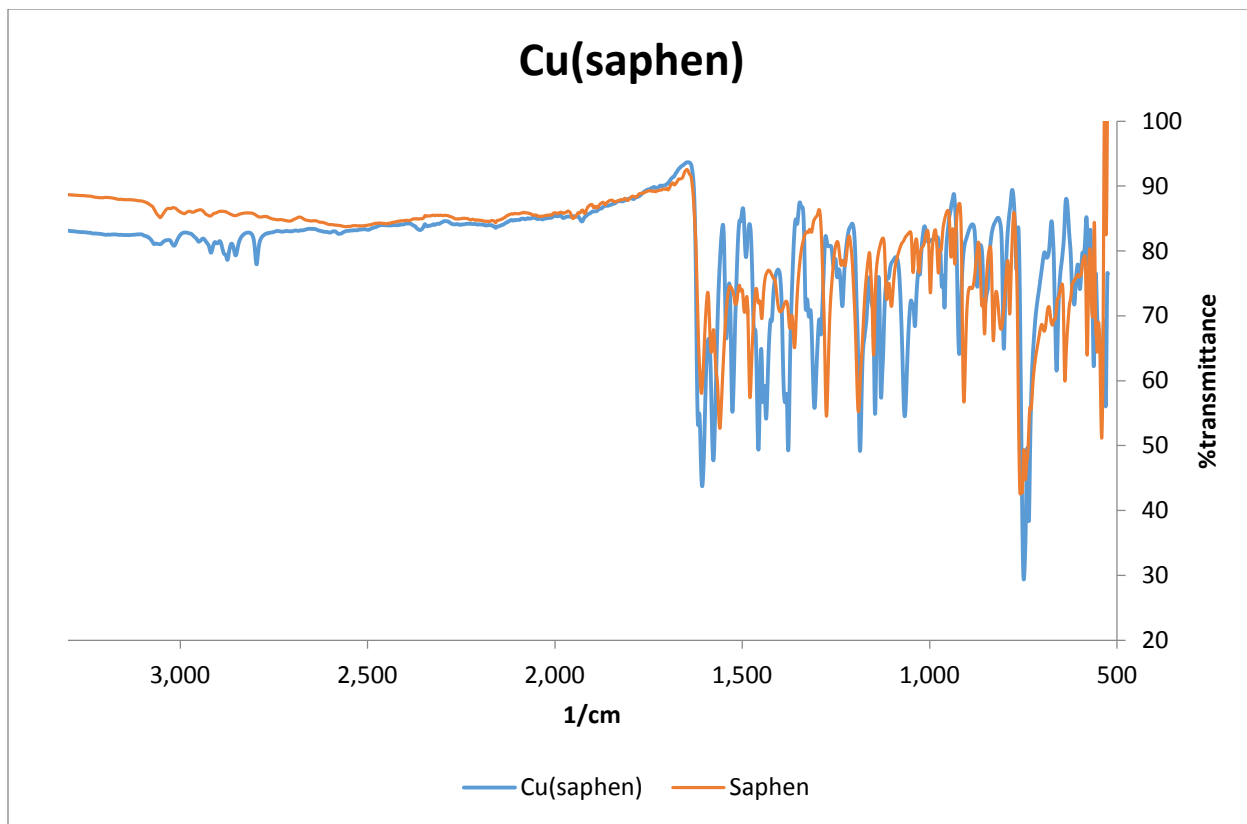


Supplement 2: IR Spectra



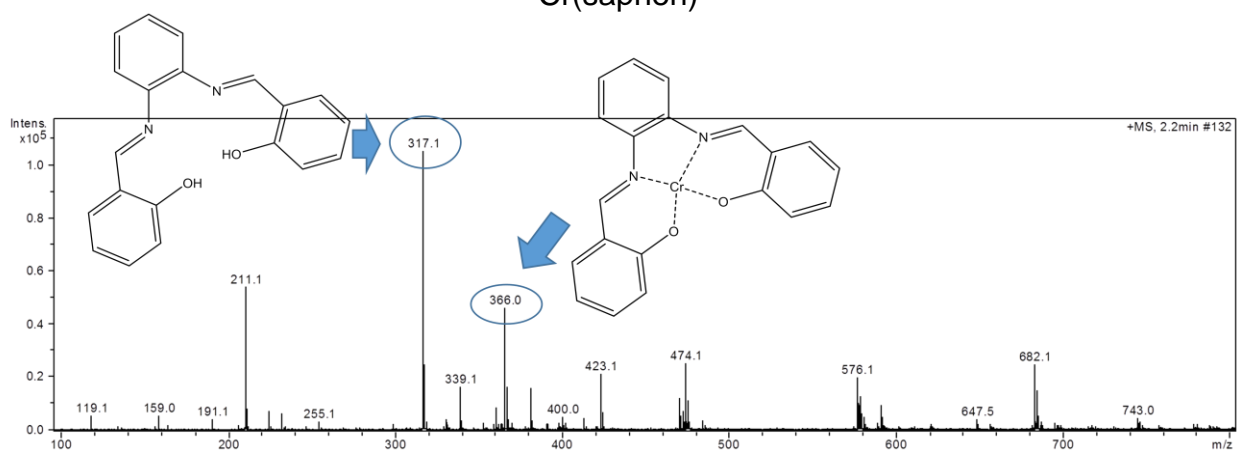
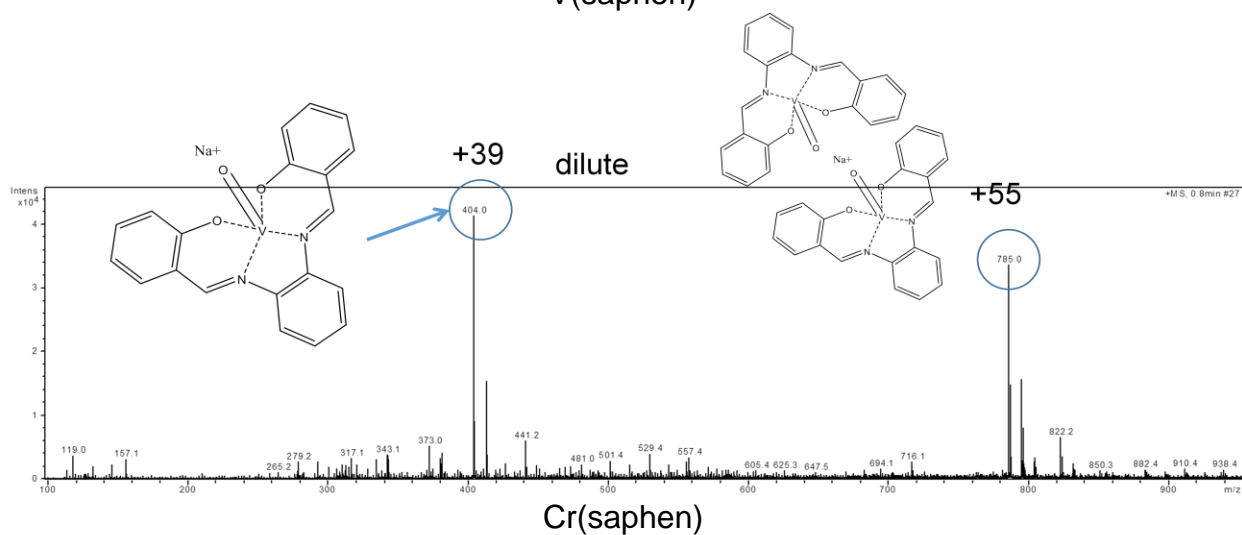
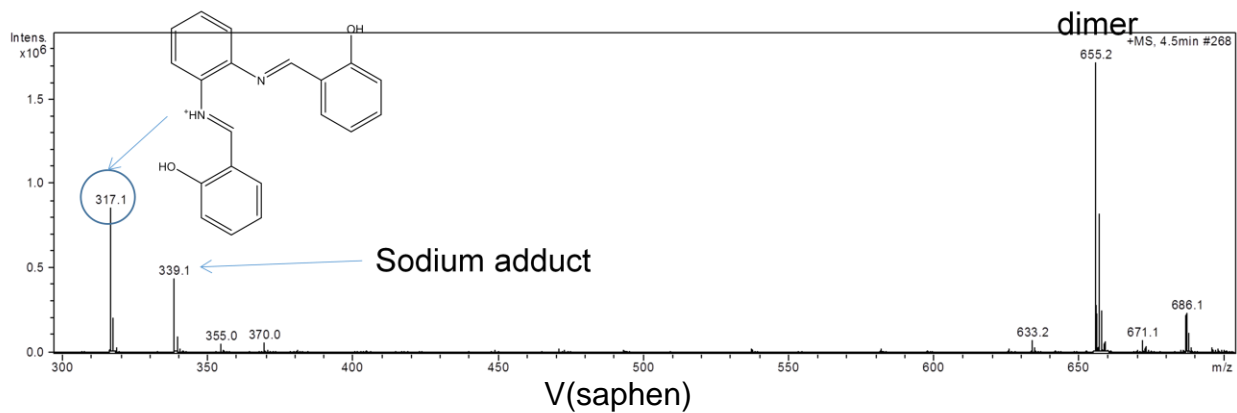




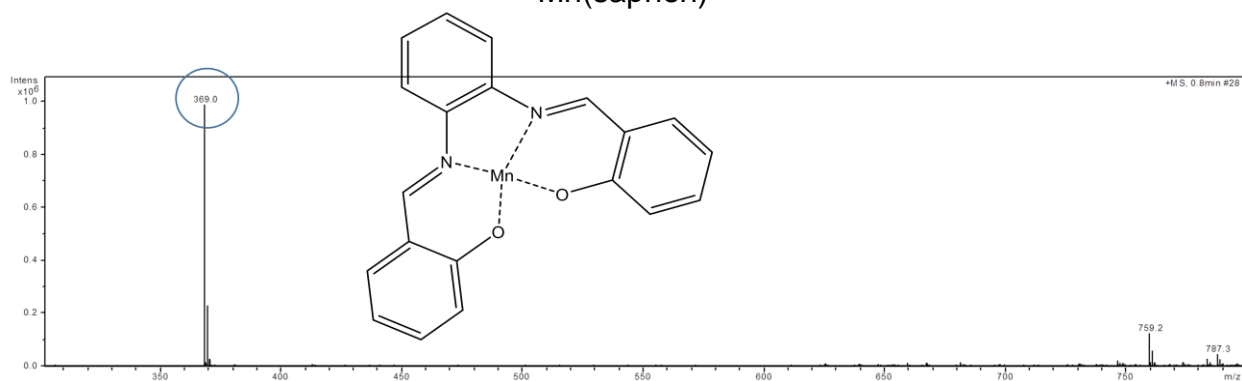


Supplement 3: ESI-MS Spectra

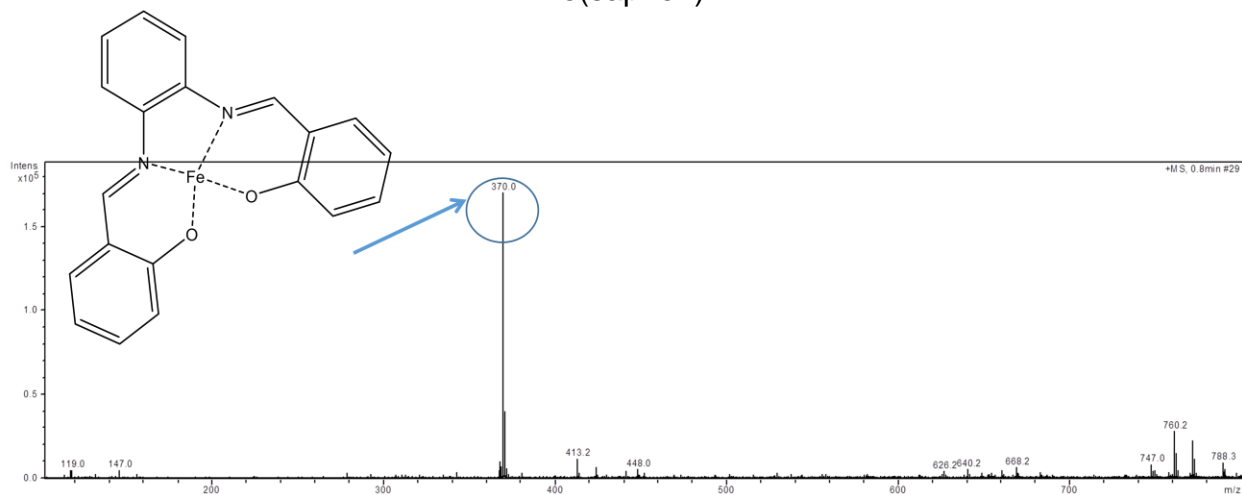
Saphen Ligand



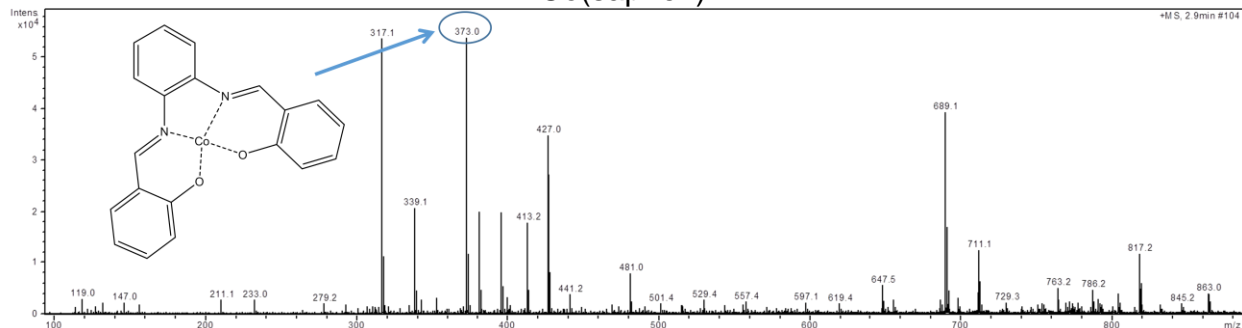
Mn(saphen)



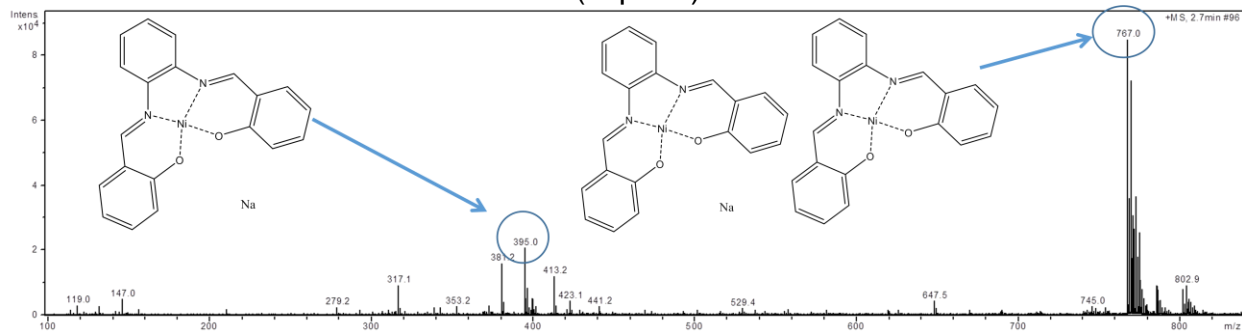
Fe(saphen)



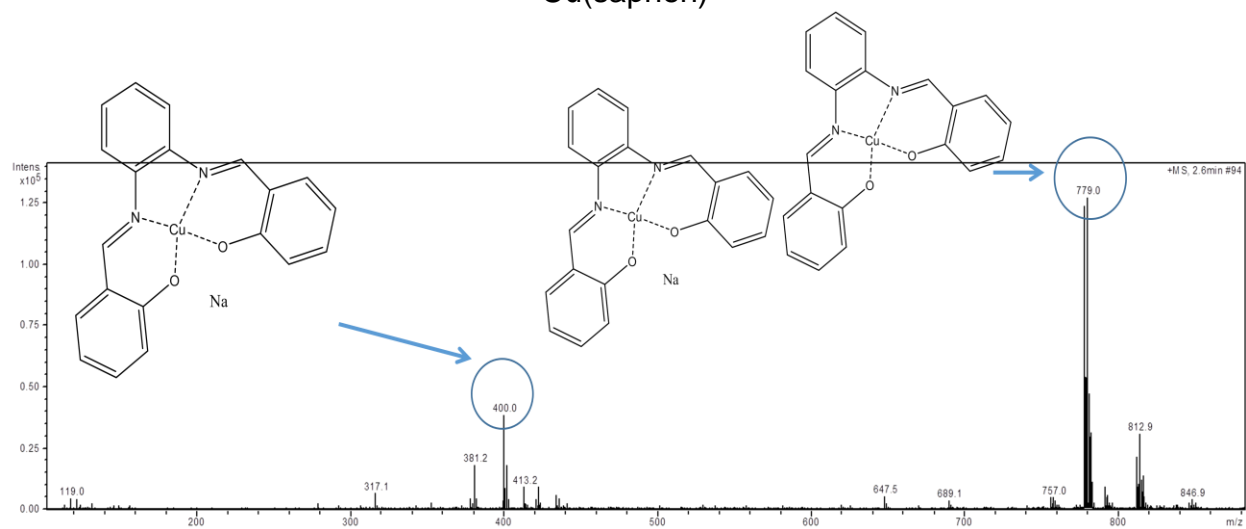
Co(saphen)



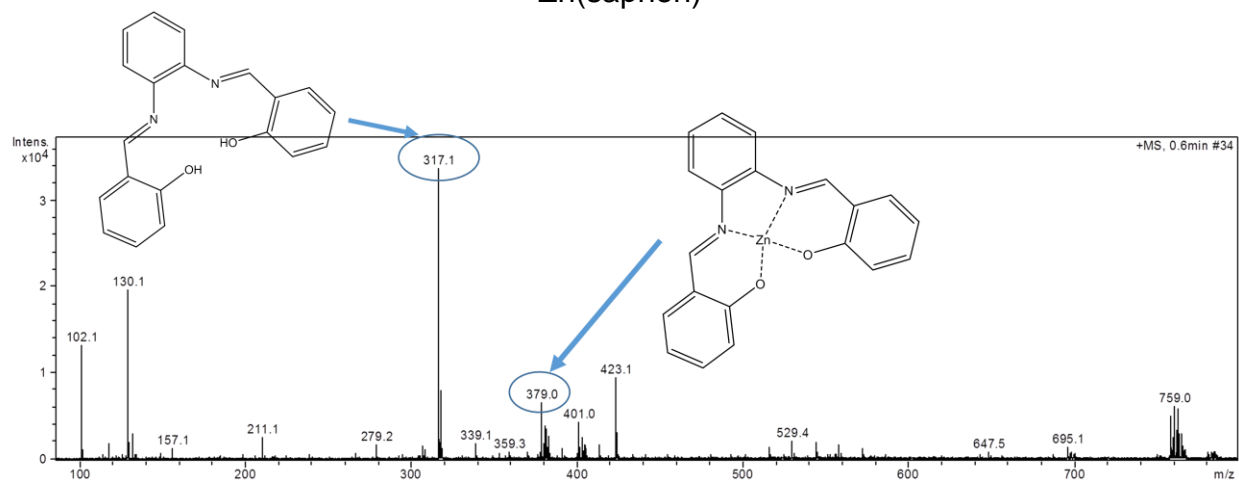
Ni(saphen)



Cu(saphen)



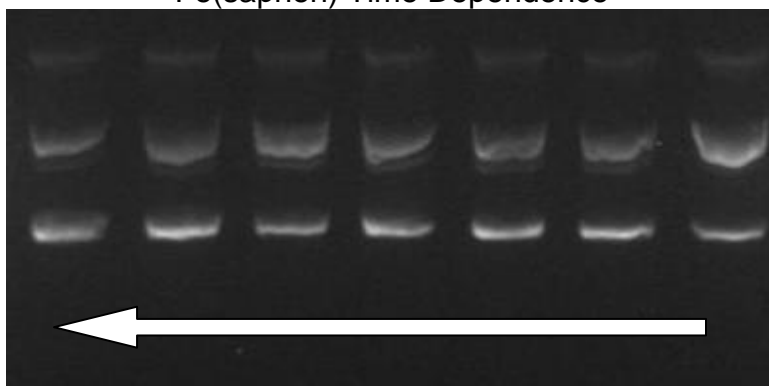
Zn(saphen)



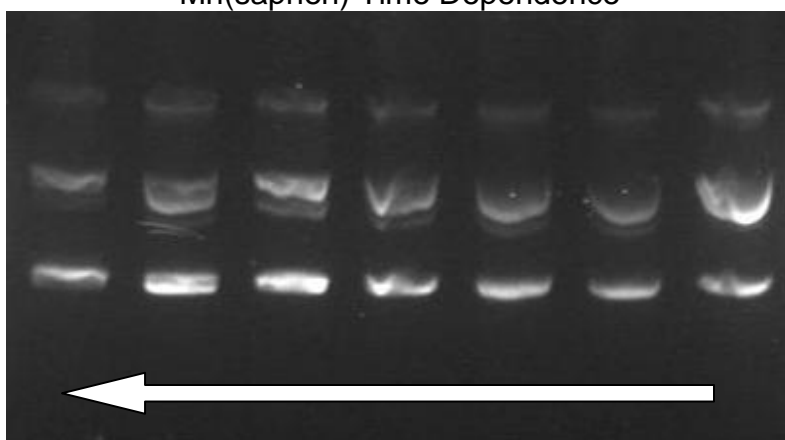
Supplement 4: Agarose Gel Images

Buffer Conditions

Fe(saphen) Time Dependence

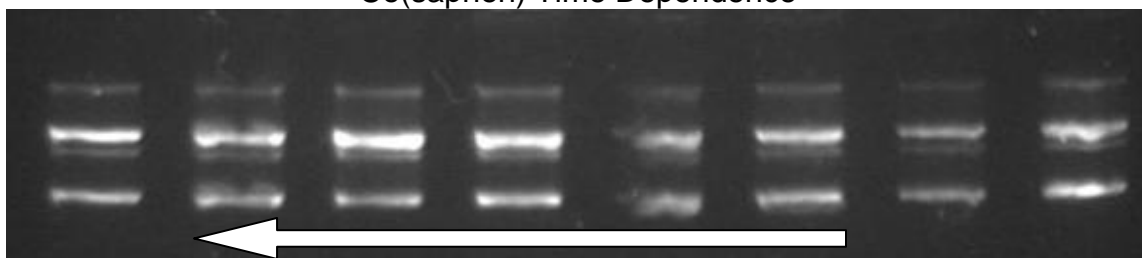


Mn(saphen) Time Dependence

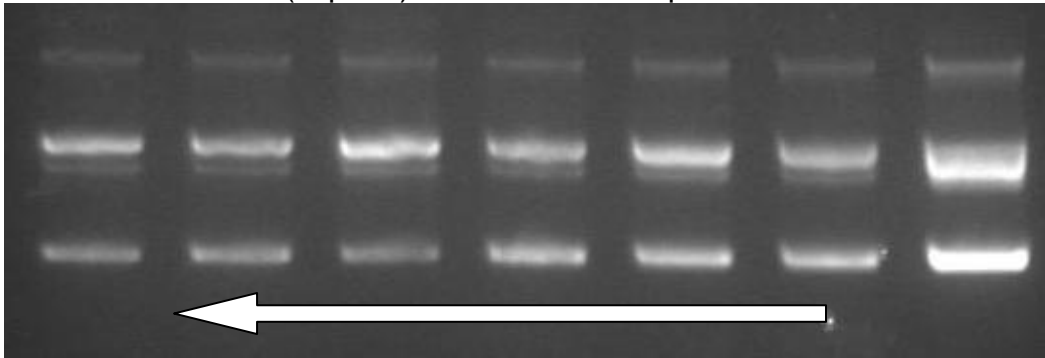


Ascorbate Only Conditions

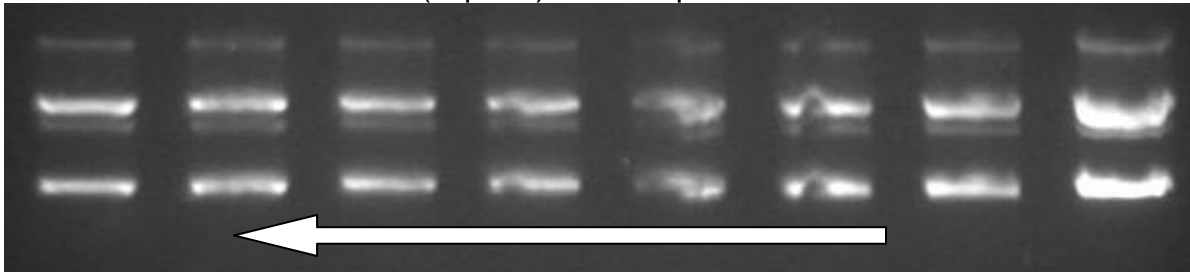
Co(saphen) Time Dependence



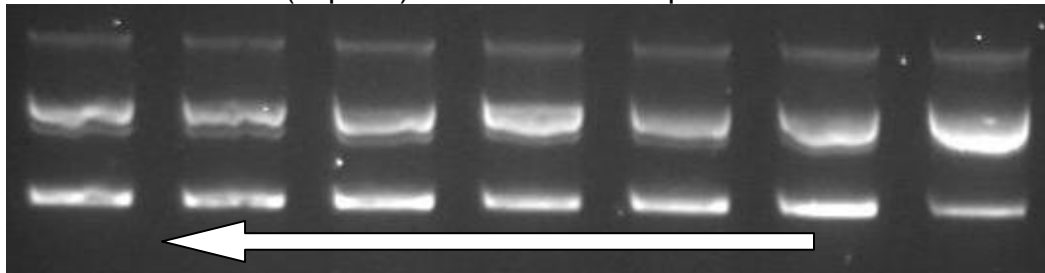
Co(saphen) Concentration Dependence



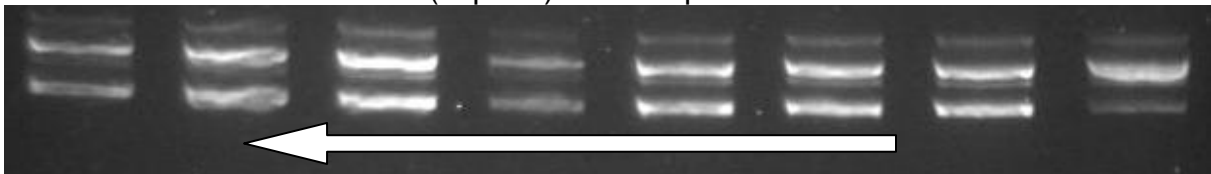
Cu(saphen) Time Dependence



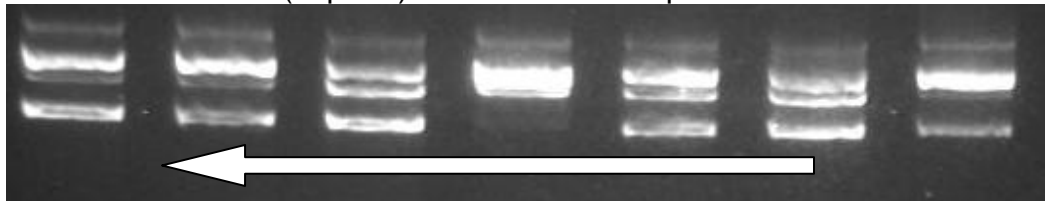
Cu(saphen) Concentration Dependence



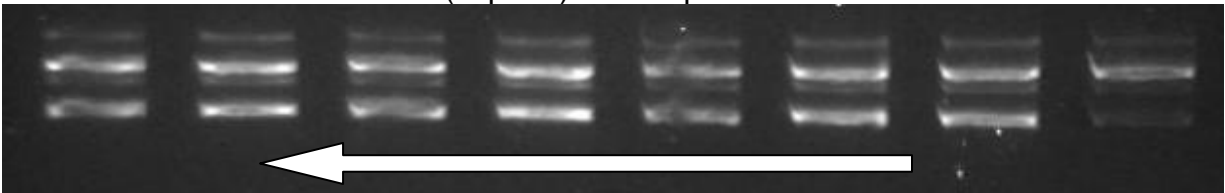
Fe(saphen) Time Dependence



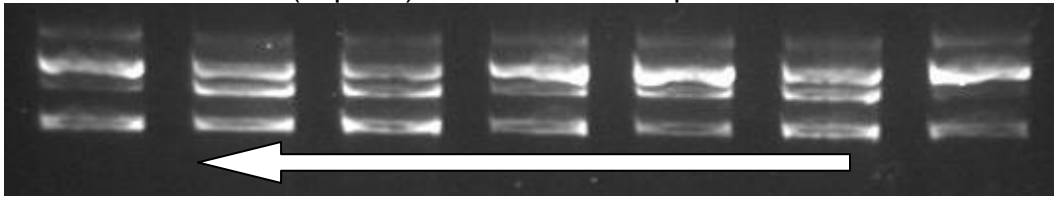
Fe(saphen) Concentration Dependence



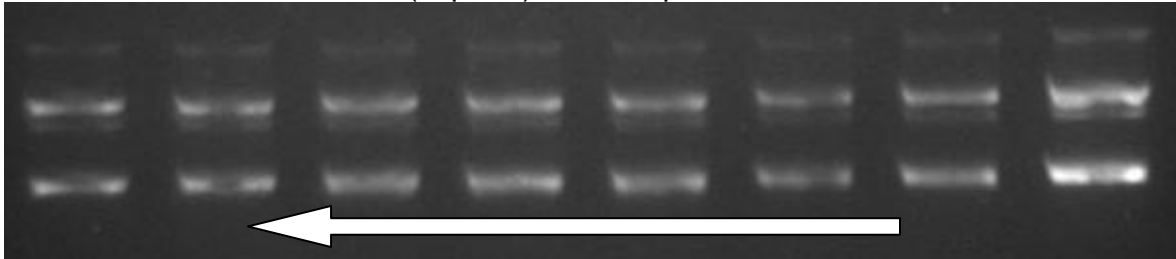
Mn(saphen) time dependence



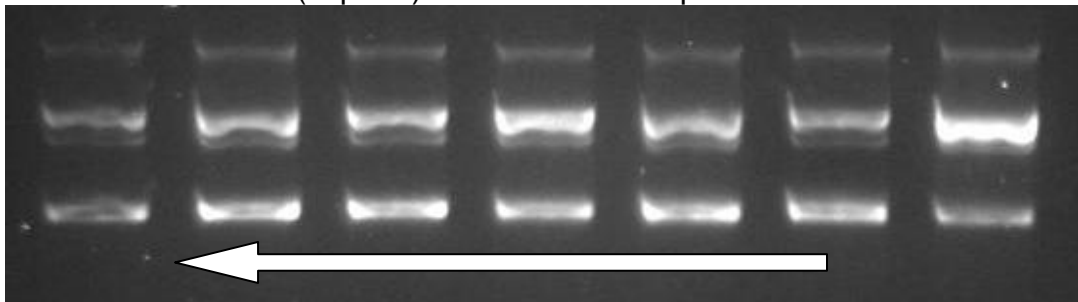
Mn(saphen) Concentration Dependence



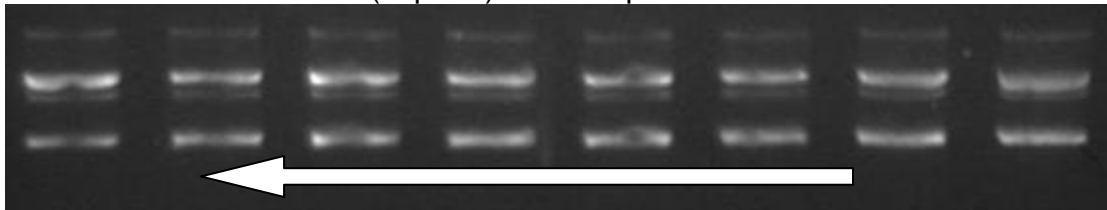
Ni(saphen) Time Dependence



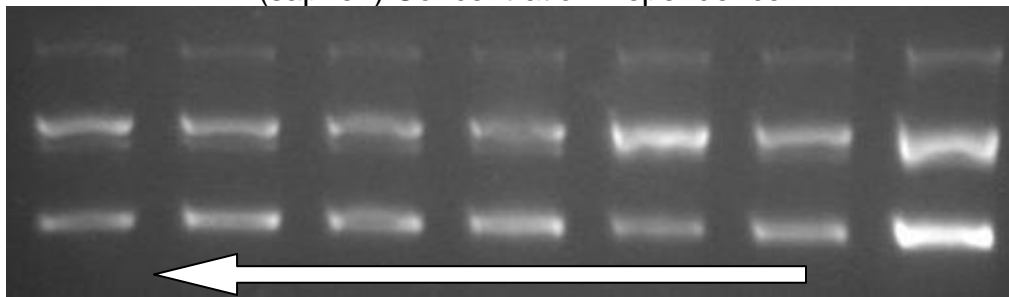
Ni(saphen) Concentration Dependence



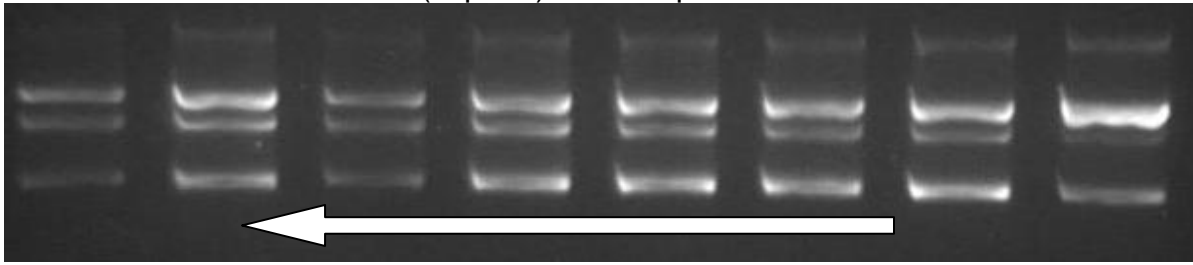
V(saphen) Time Dependence



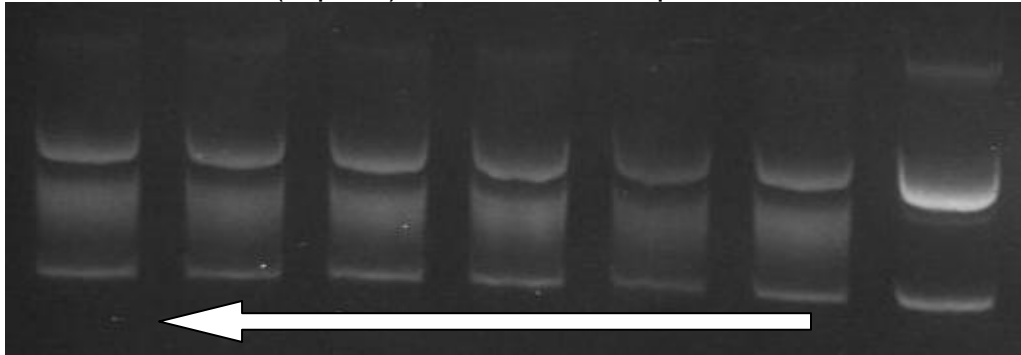
V(saphen) Concentration Dependence



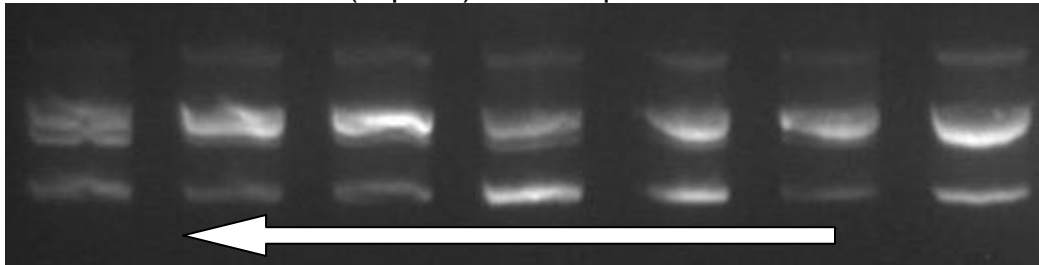
Peroxide Only Conditions
Co(saphen) Time Dependence



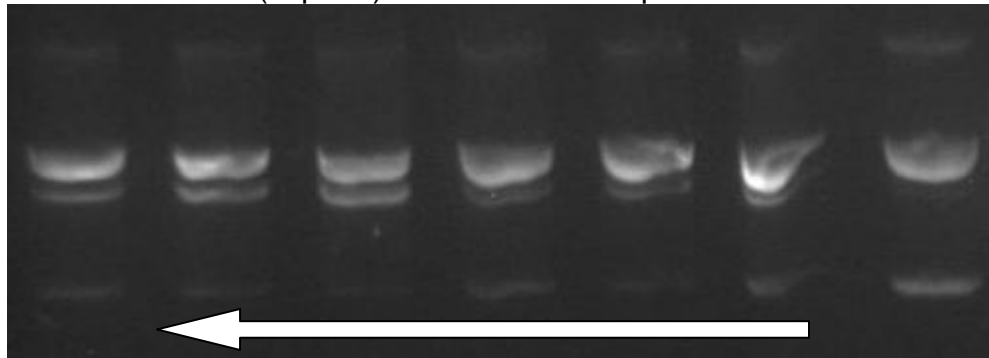
Co(saphen) Concentration Dependence



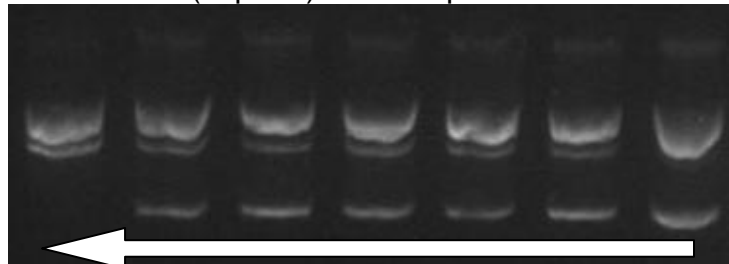
Cu(saphen) Time Dependence



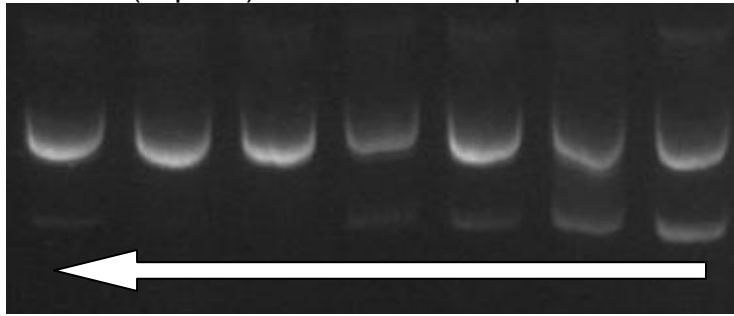
Cu(saphen) Concentration Dependence



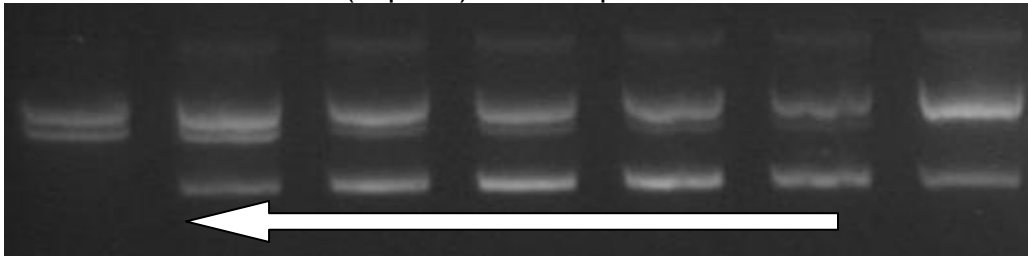
Fe(saphen) Time Dependence



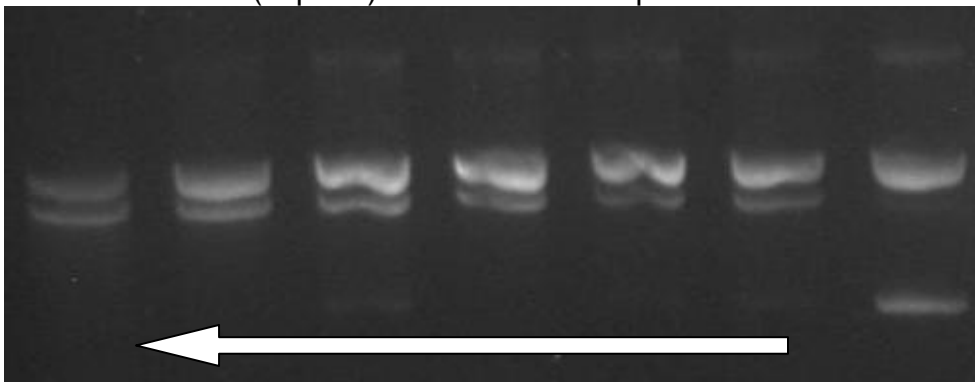
Fe(saphen) Concentration Dependence



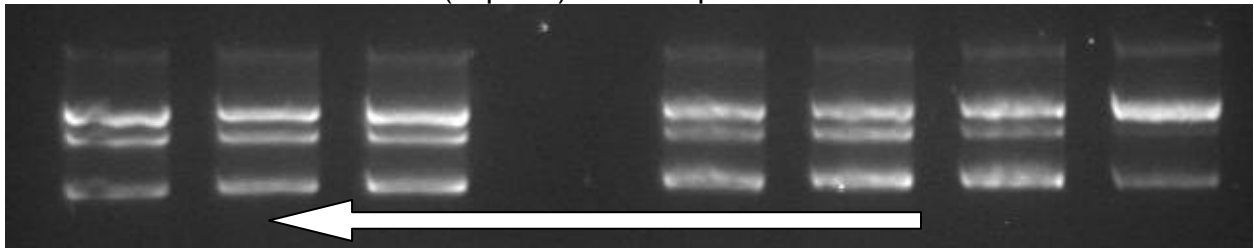
Mn(saphen) Time Dependence



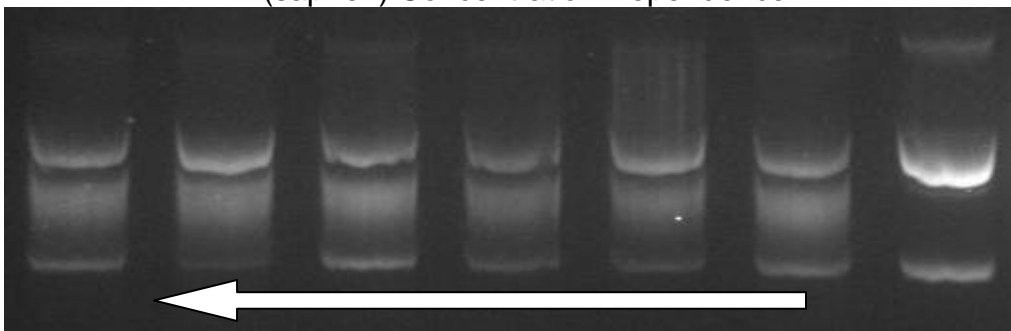
Mn(saphen) Concentration Dependence



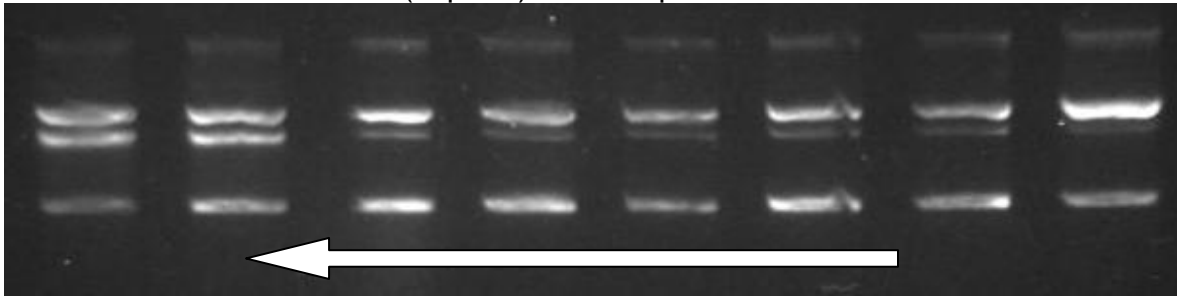
Ni(saphen) Time Dependence



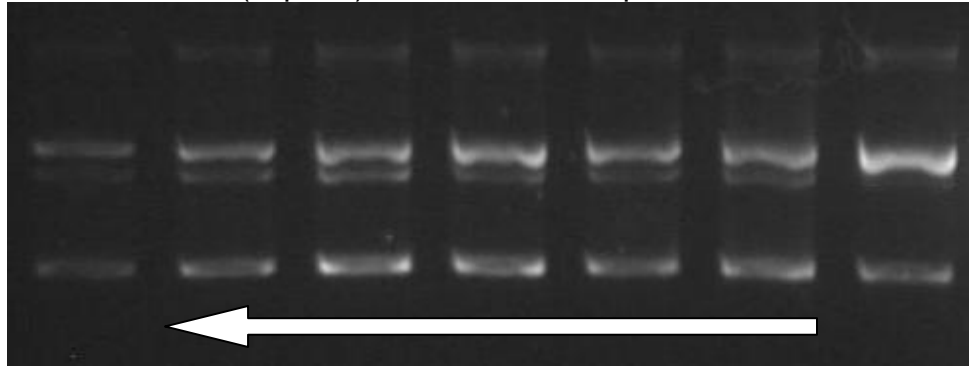
Ni(saphen) Concentration Dependence



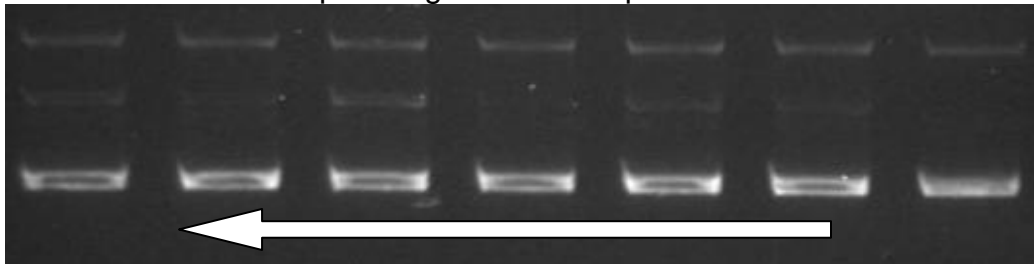
V(saphen) Time Dependence



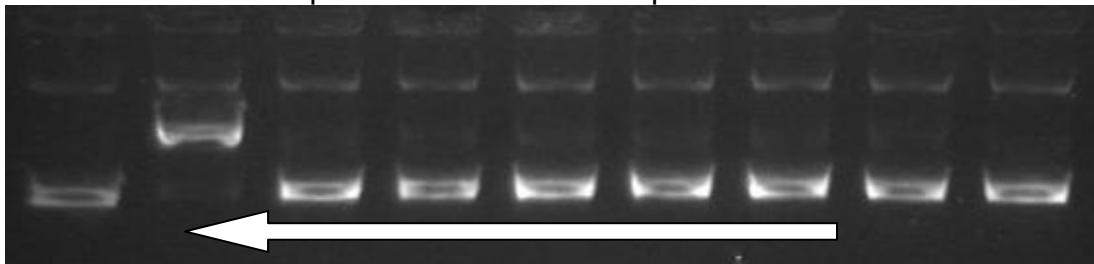
V(saphen) Concentration Dependence



Saphen Ligand Time Dependence

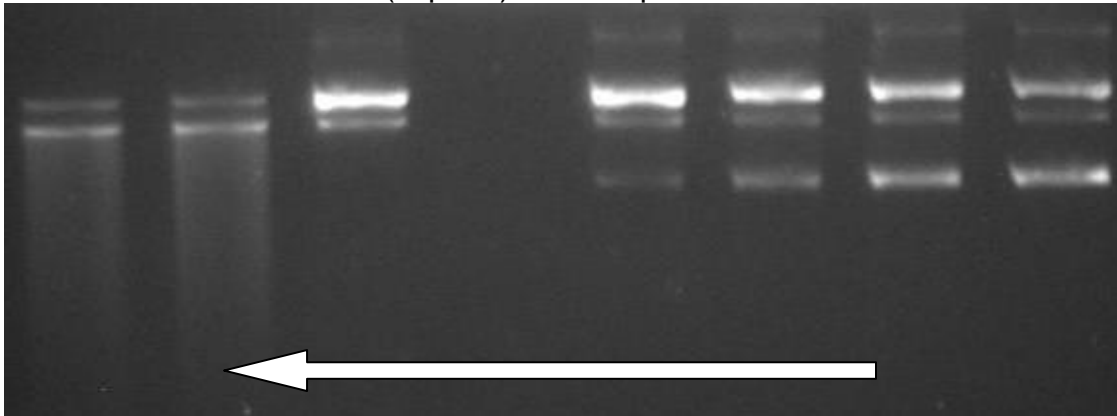


pUC19 Control Time Dependence

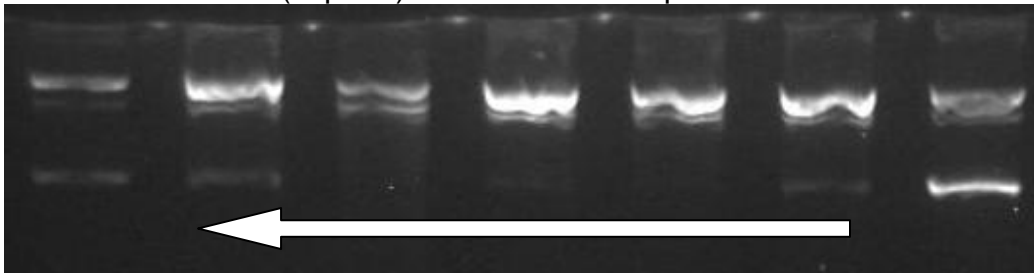


Note: final two time points are reversed

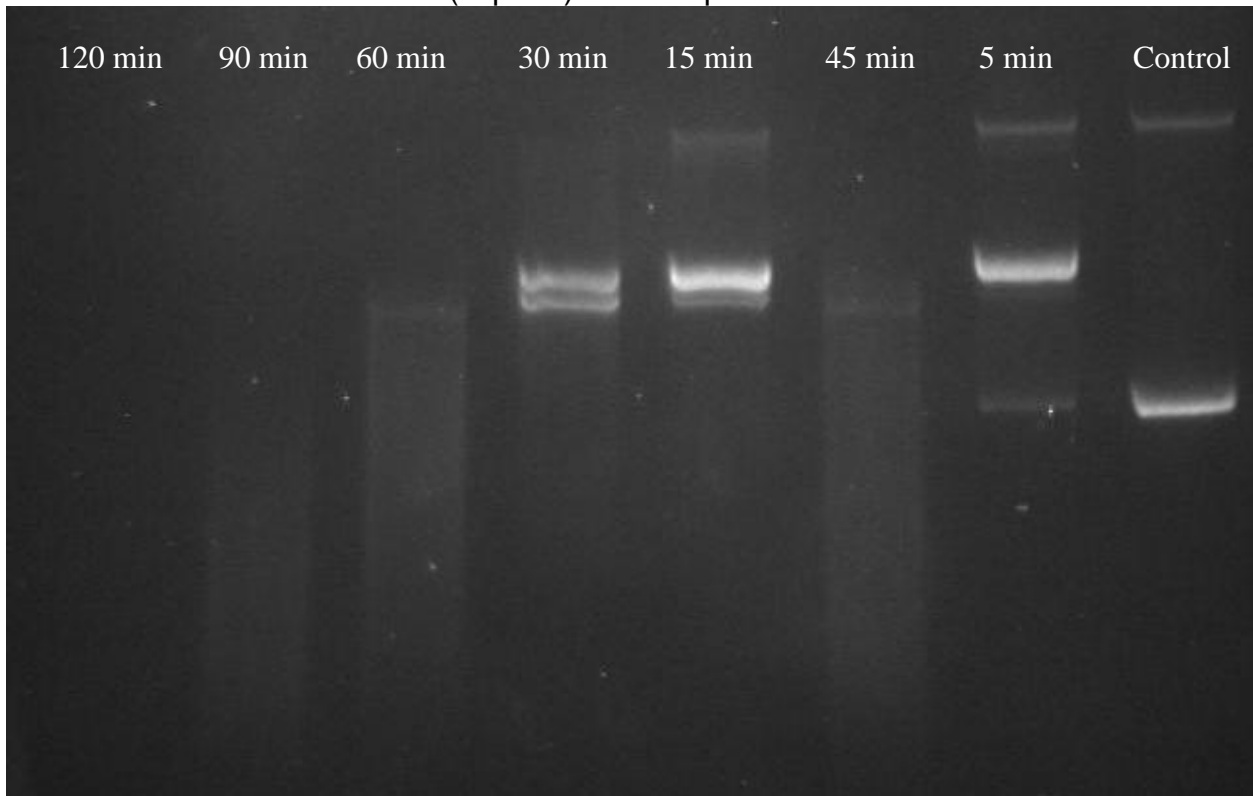
Ascorbate and Peroxide Conditions
Co(saphen) Time Dependence



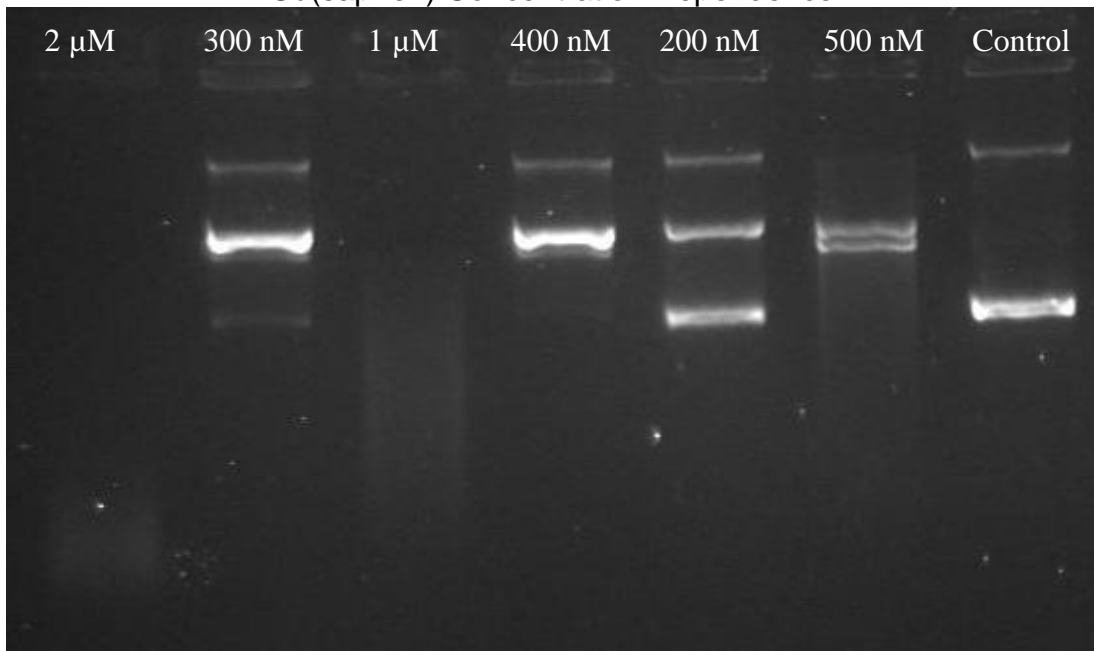
Co(saphen) Concentration Dependence



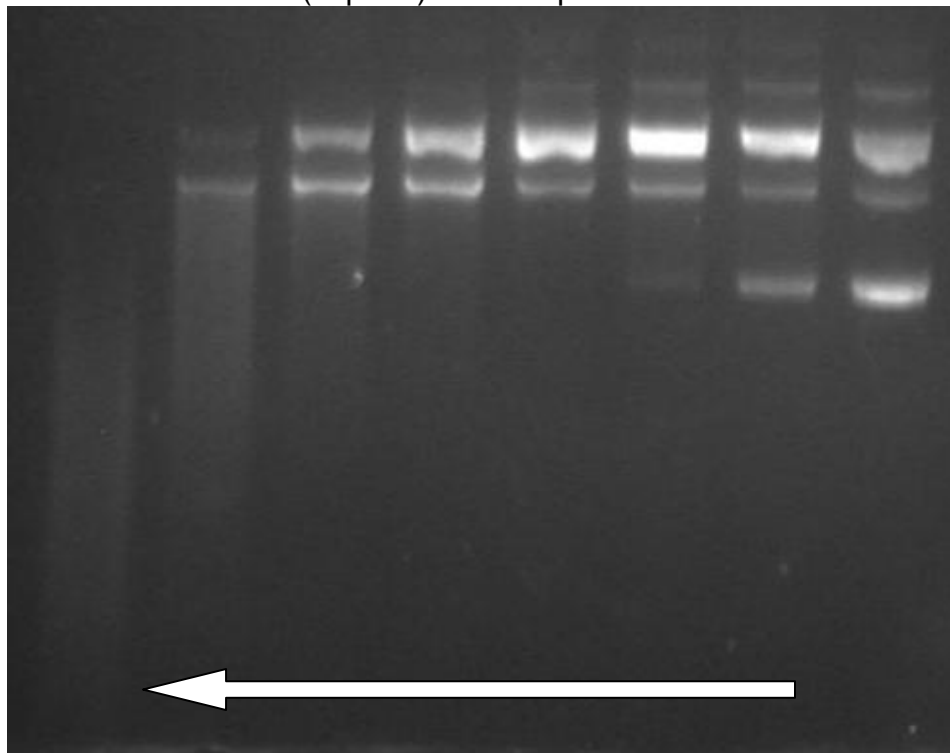
Cu(saphen) Time Dependence



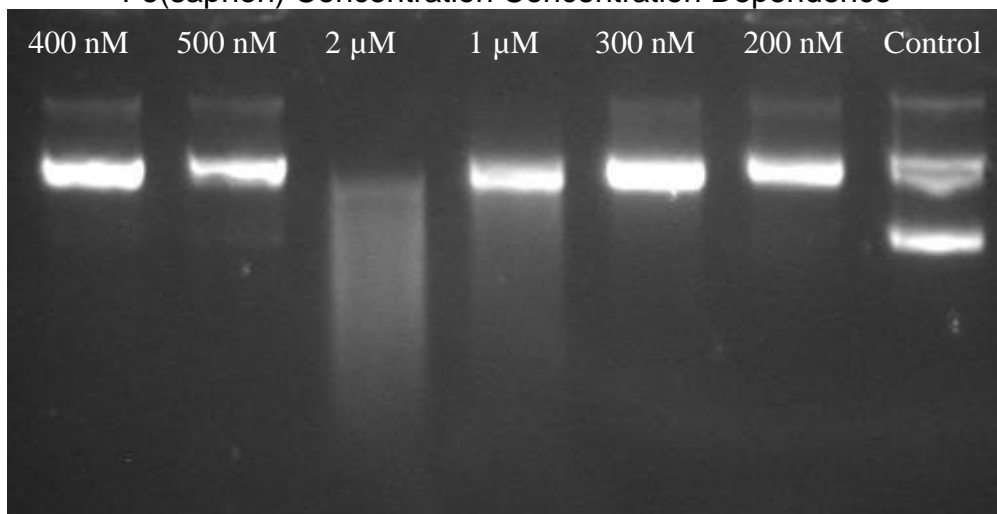
Cu(saphen) Concentration Dependence



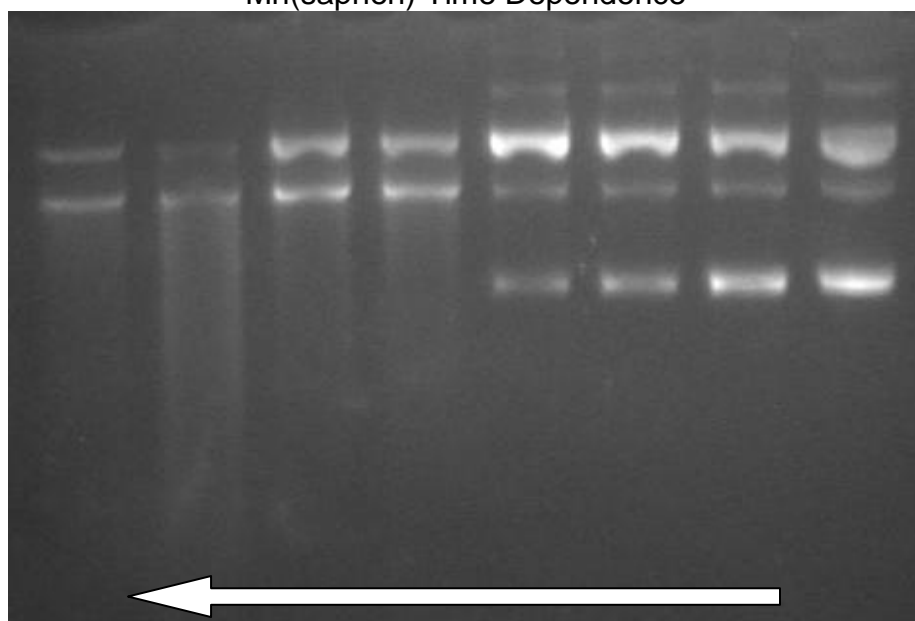
Fe(saphen) Time Dependence



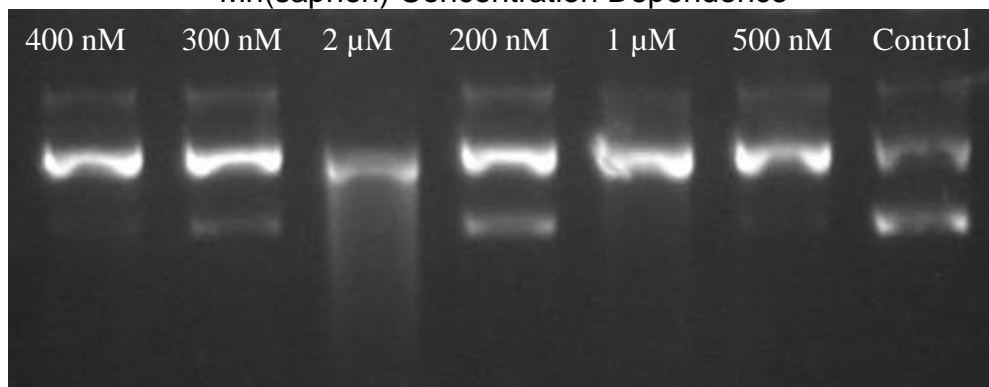
Fe(saphen) Concentration Concentration Dependence



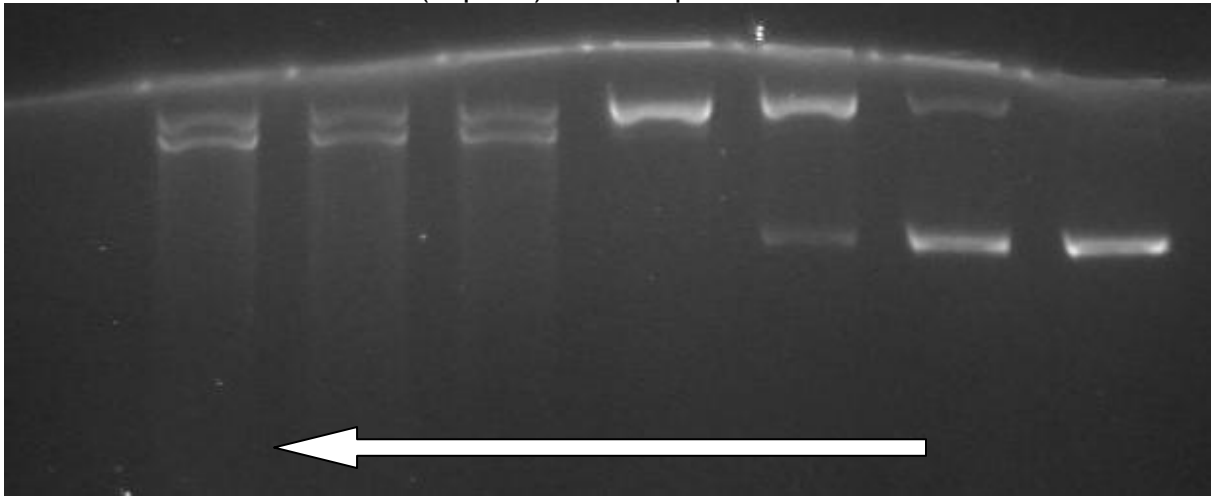
Mn(saphen) Time Dependence



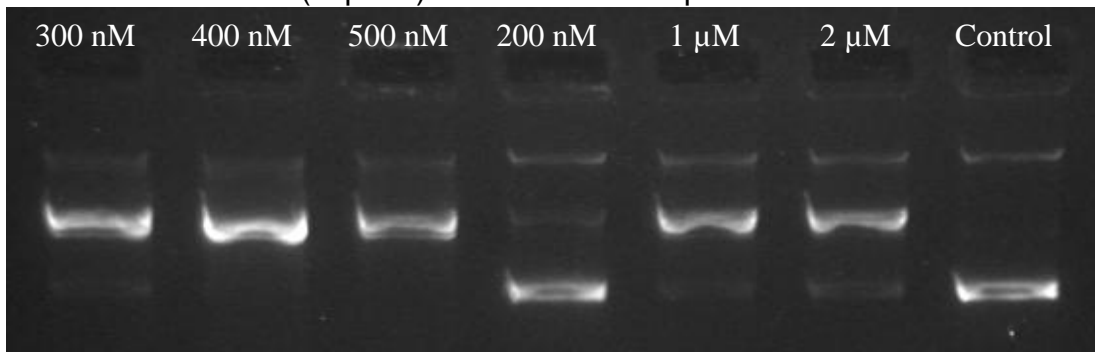
Mn(saphen) Concentration Dependence



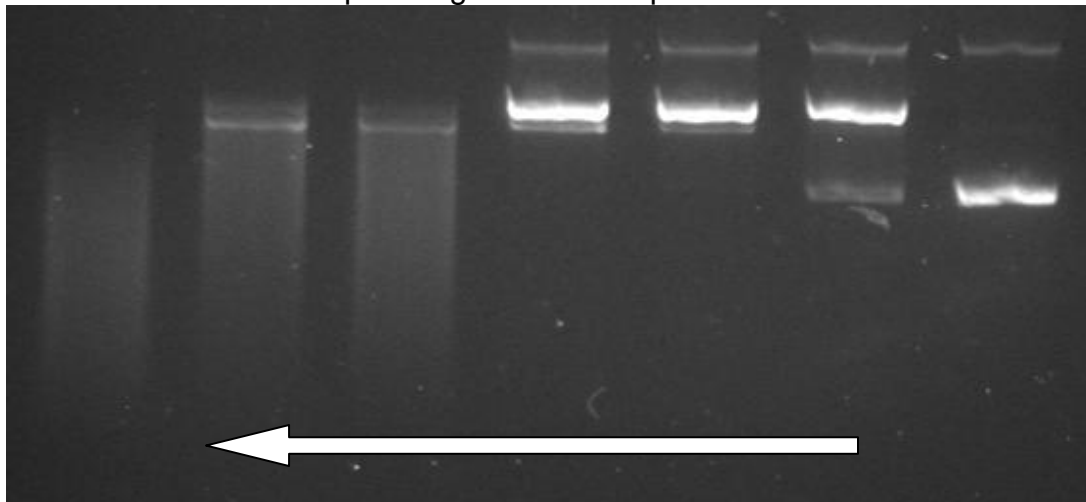
V(saphen) Time Dependence



V(saphen) Concentration Dependence



Saphen Ligand Time Dependence



pUC19 Control Time Dependence

