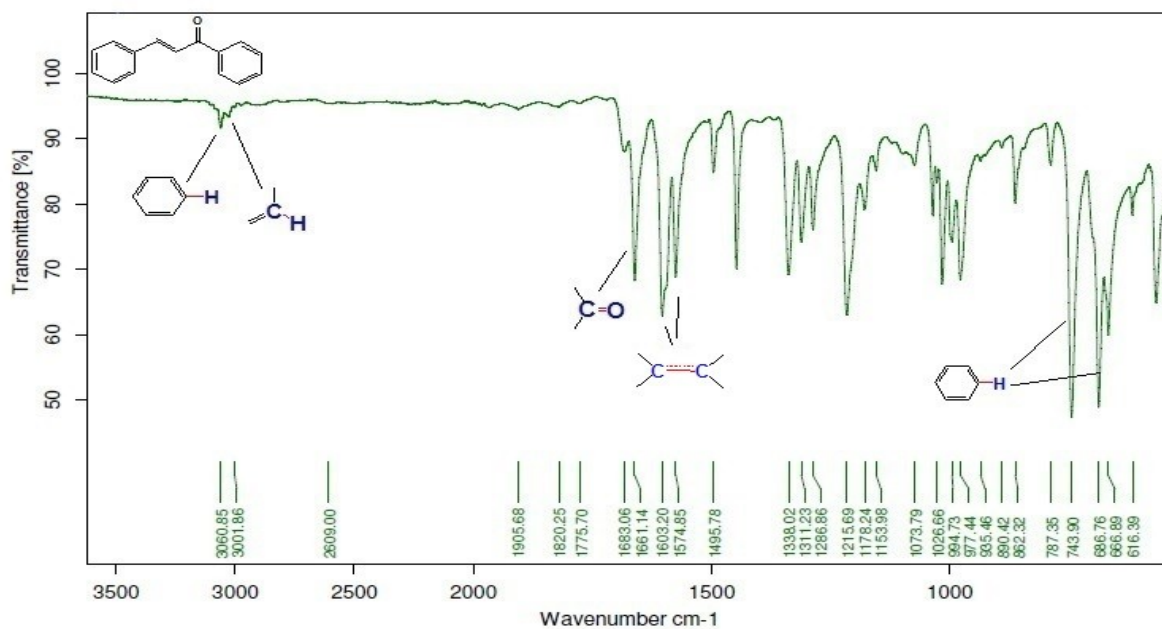
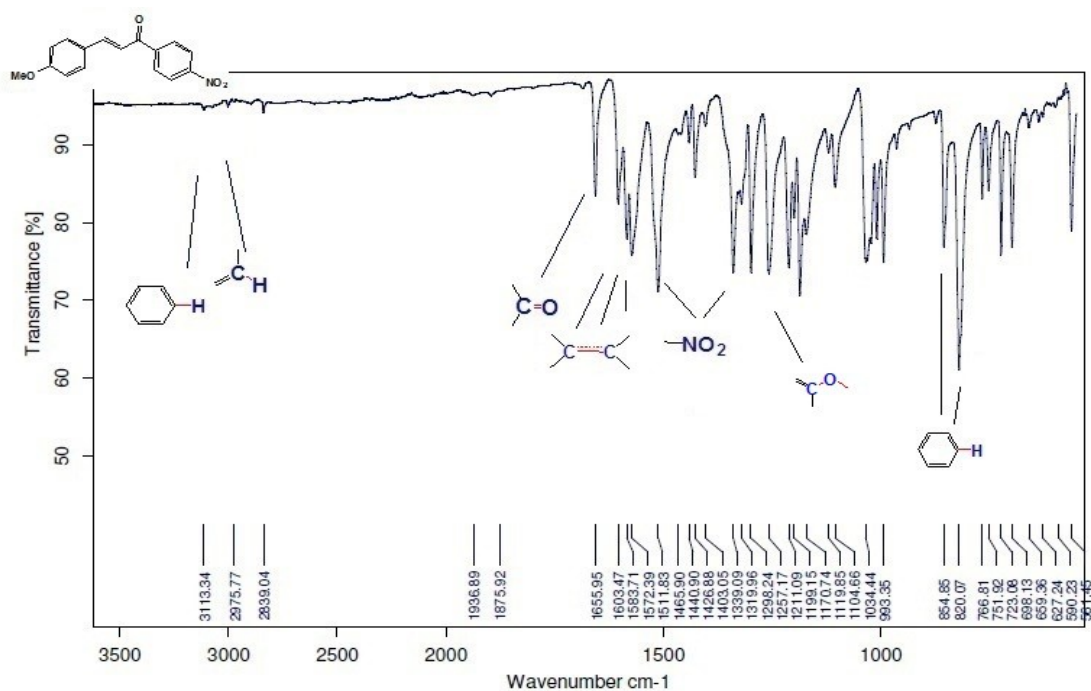


Appendix

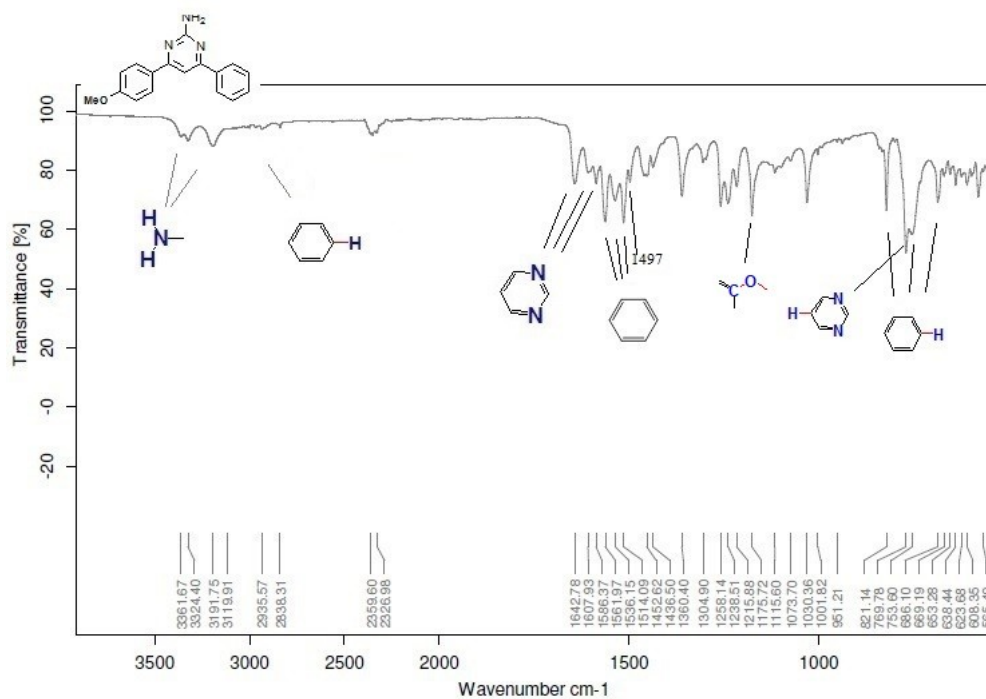
A.1: IR spectra of 1,3-diphenyl-(2E)-propen-1-one [I]



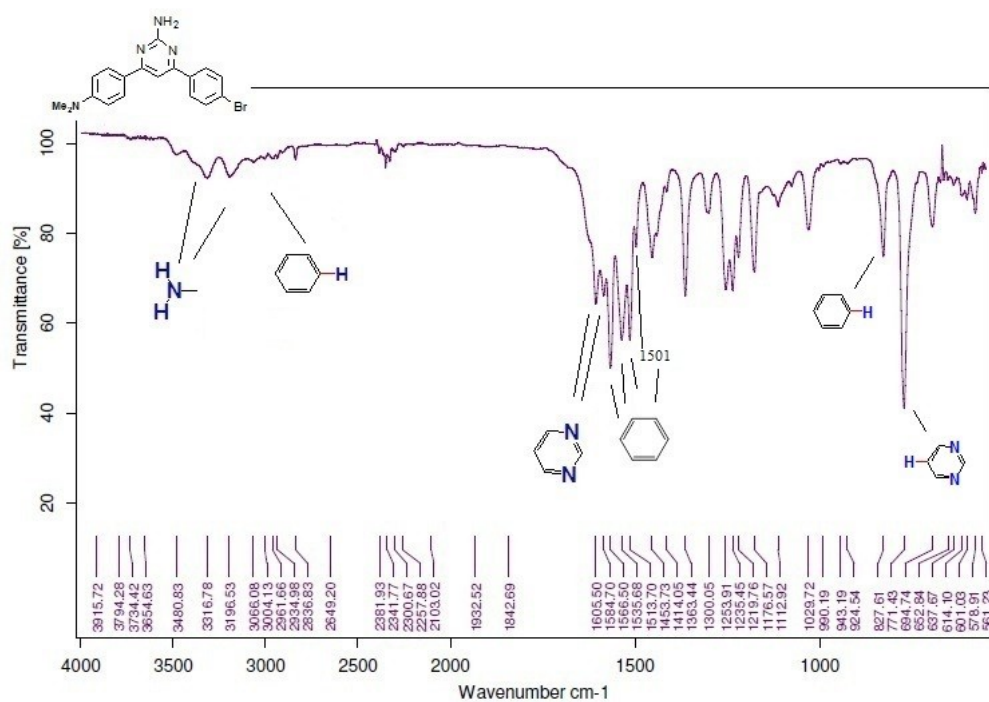
A.2: IR spectra of 1-(*p*-nitrophenyl)-3-(*o*-hydroxyphenyl)- (2E)-propen-1-one [XII]



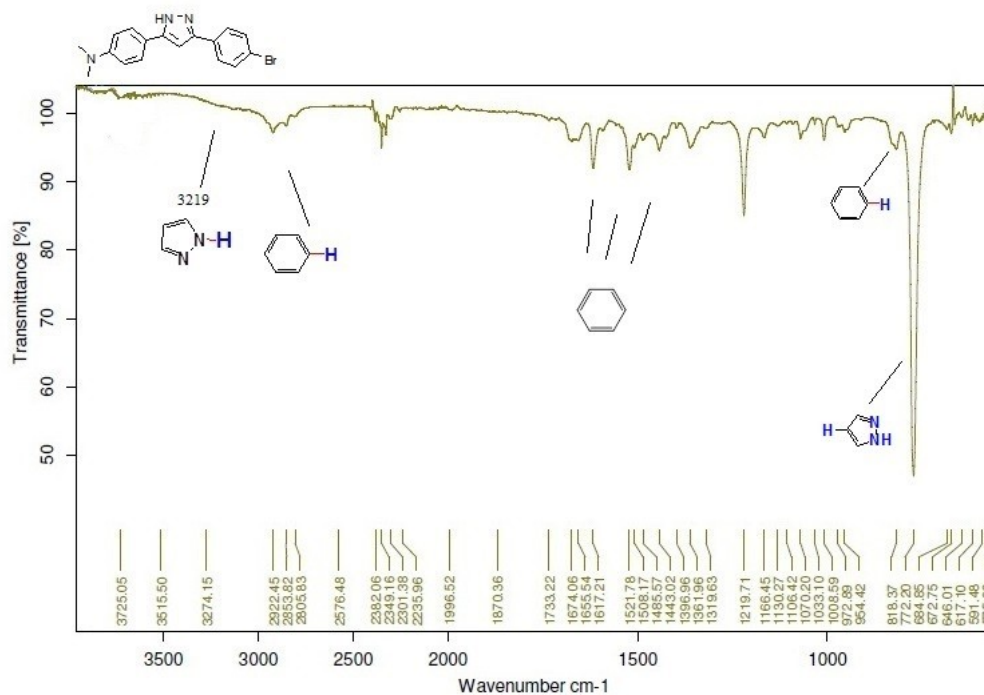
A.3: IR spectra of 2- amino 4-(*p*-methoxyphenyl) 6-phenyl pyrimidine [XVII]



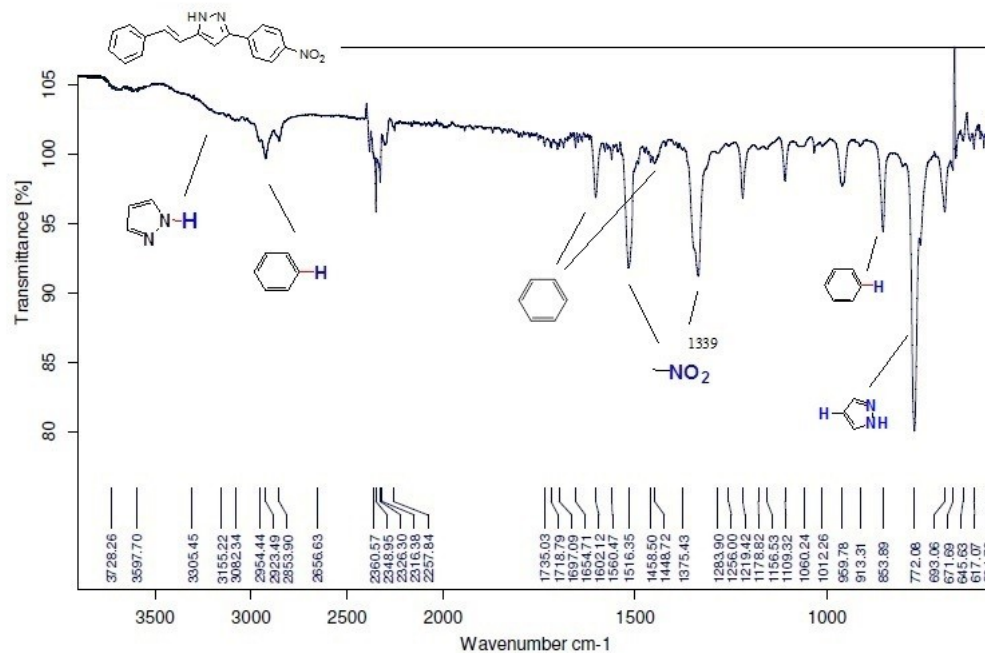
A.4: IR spectra of 2- amino 4-(*p*-methoxyphenyl) 6-phenyl pyrimidine [XVII]



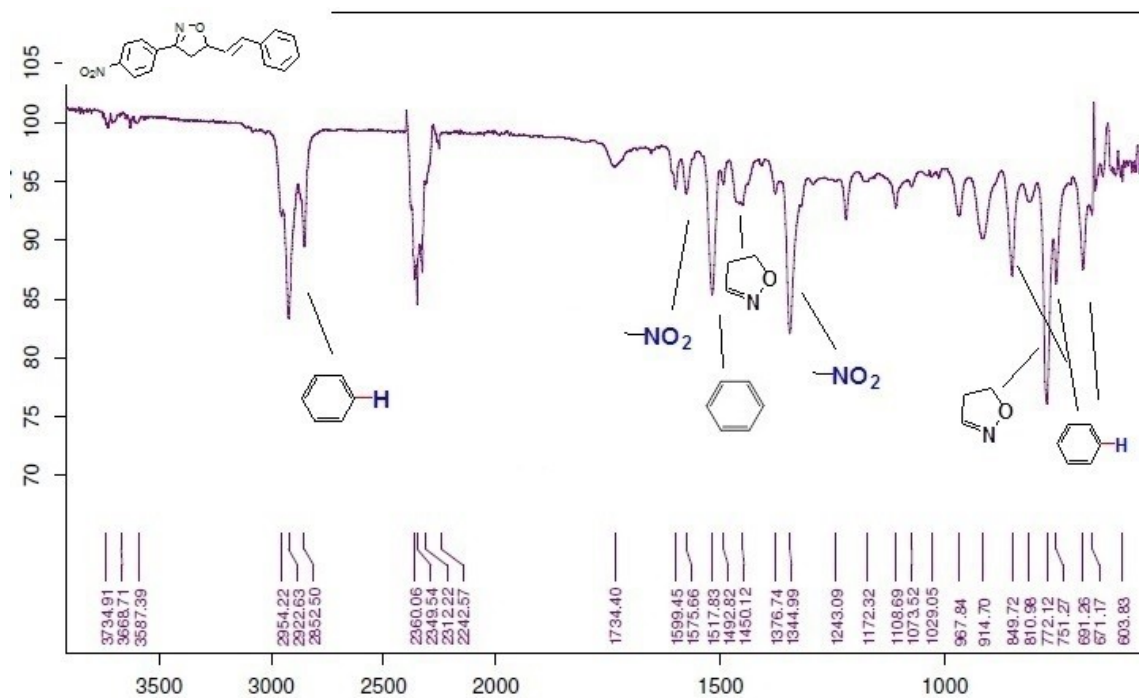
A.5: IR spectra of 3-(*p*-bromophenyl)-5-(*p*-N,Ndimethylaminophenyl)-pyrazole [XXVIII]



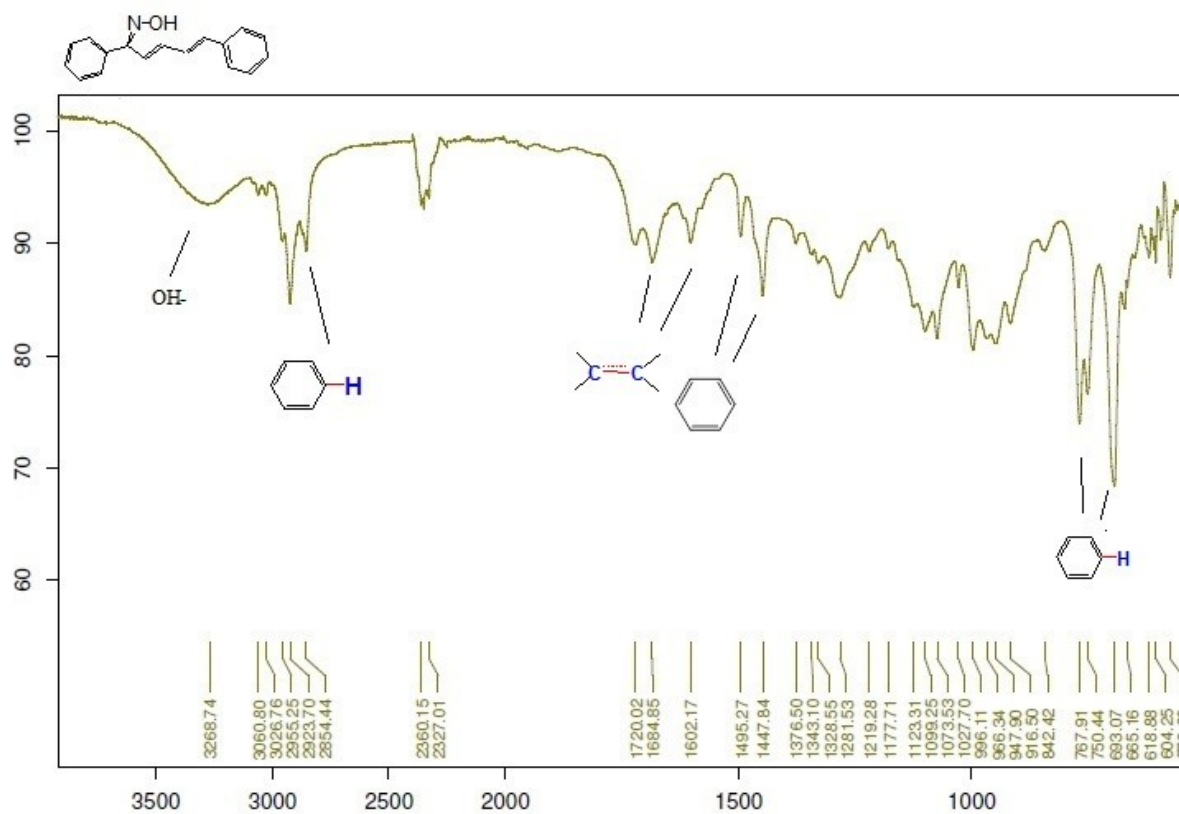
A.6: IR spectra of 3-(*p*-nitrophenyl)-5-(ethenyl-2-phenyl)-pyrazole [XXXIII]



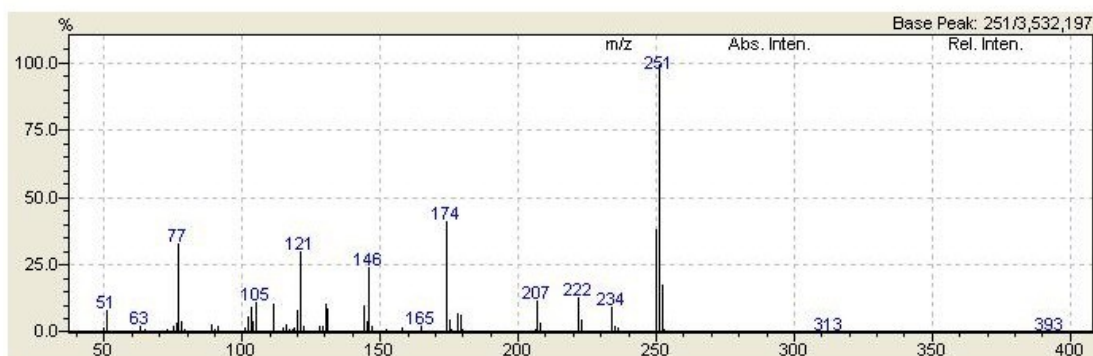
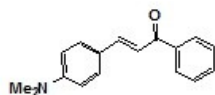
A.7: IR spectra of 3-(*p*-nitrophenyl)-5-(ethenyl-2-phenyl)-4,6-dihydroisoxazole [XLVII-b]



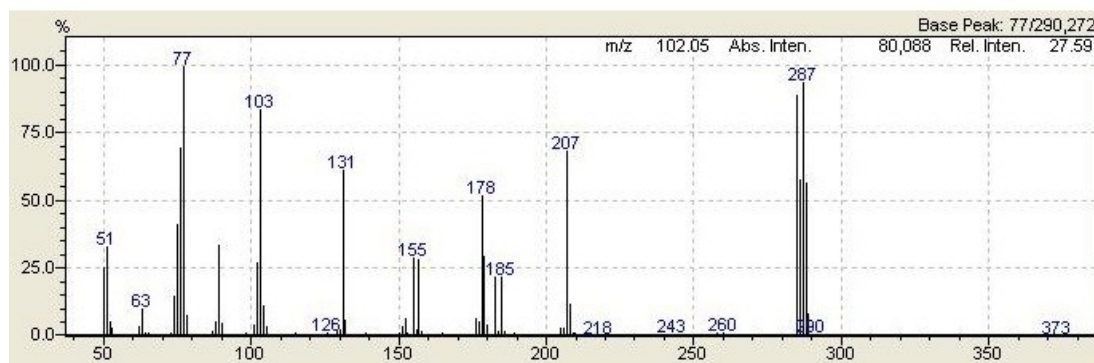
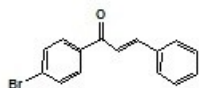
A.8: IR spectra of 1,5-diphenylpenta-(2E,4E)-dien-1 oxime [XXXVII-b]



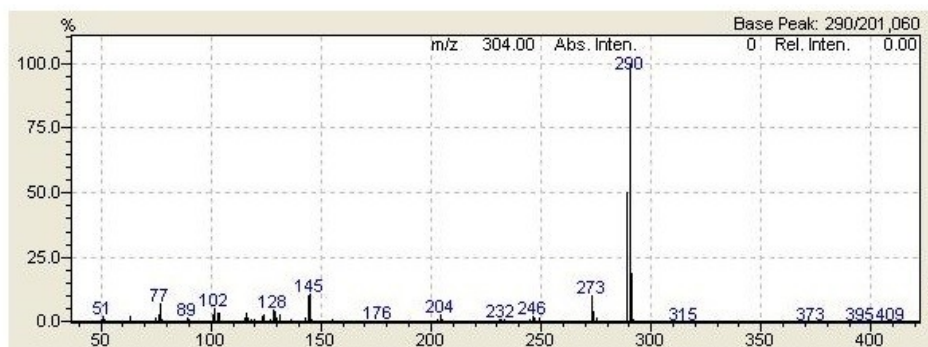
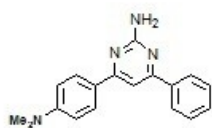
B.1: MS spectra of 3-(*p*-N,N dimethylaminophenyl)-1-phenyl-(2E)-propen-1-one [II]



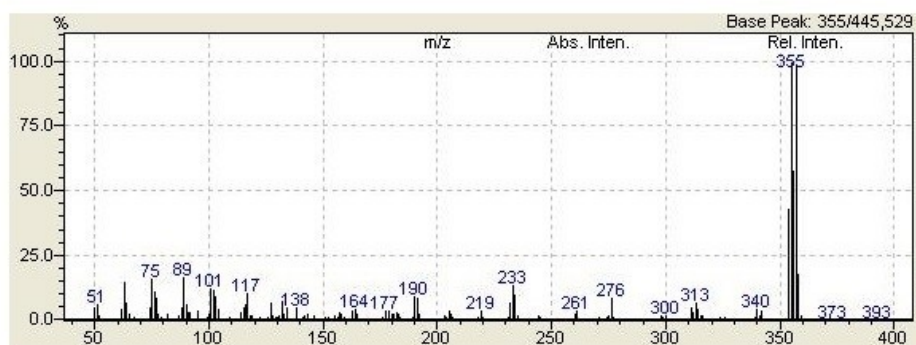
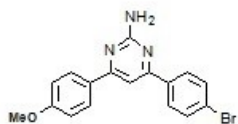
B.2: MS spectra of 1-(*p*-bromophenyl)-3-phenyl-(2E)-propen-1-one [V]



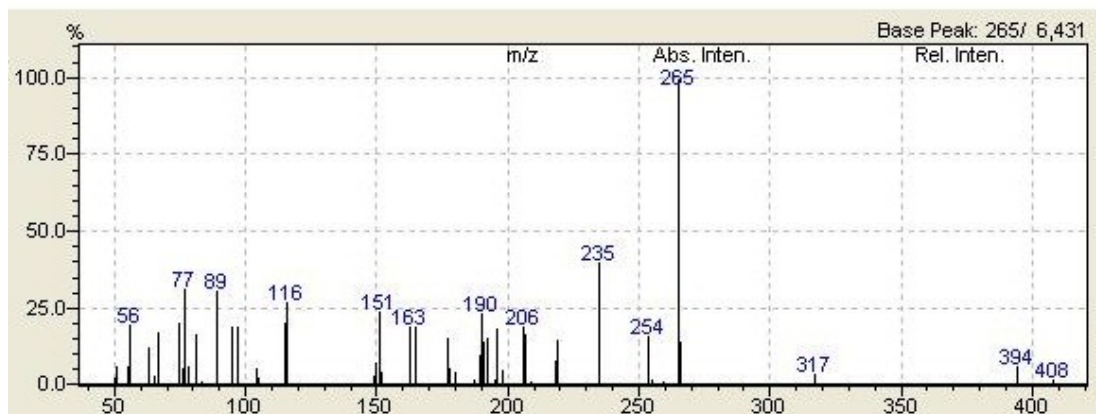
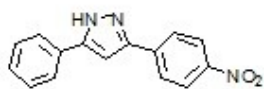
B.3: MS spectra of 2- amino 4-(*p*-bromophenyl) 6-(*p*-N,N dimethylaminophenyl) pyrimidine [XVIII]



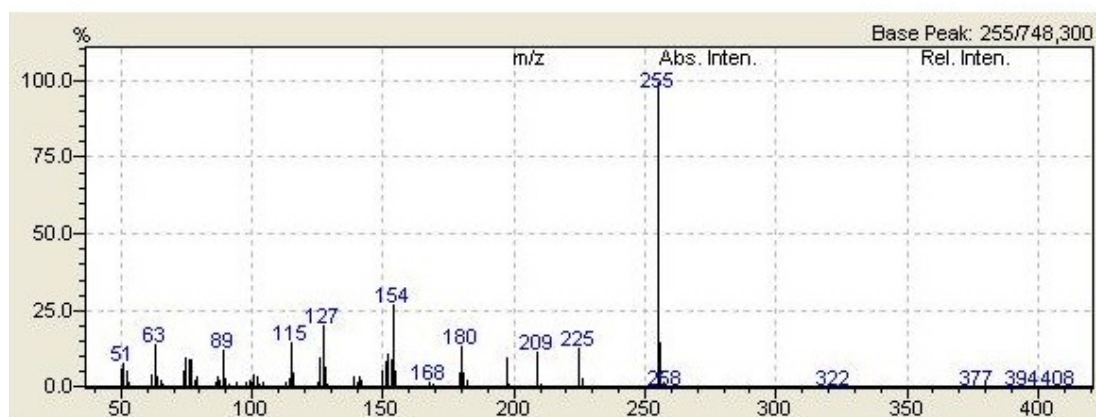
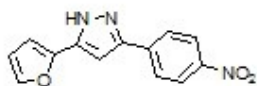
B.4: MS spectra of 2- amino 4-(*p*-bromophenyl) 6-(*p*-methoxyphenyl) pyrimidine [XIX]



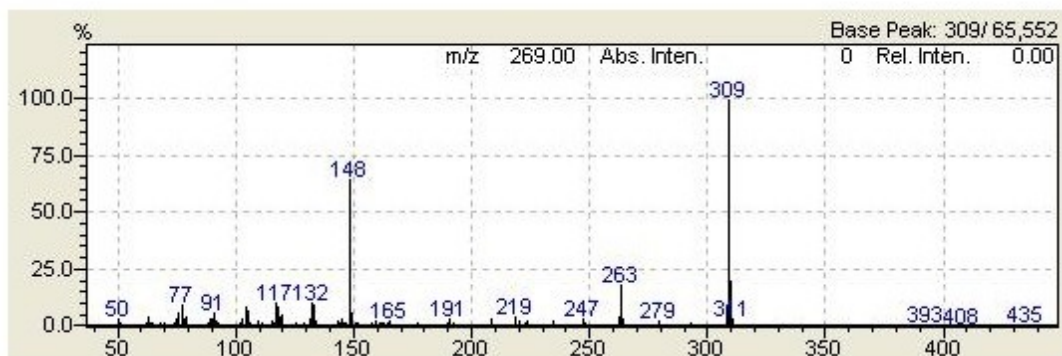
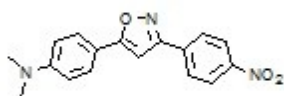
B.5: MS spectra of 3-(*p*-nitrophenyl)-5-phenyl-pyrazole [XXX]



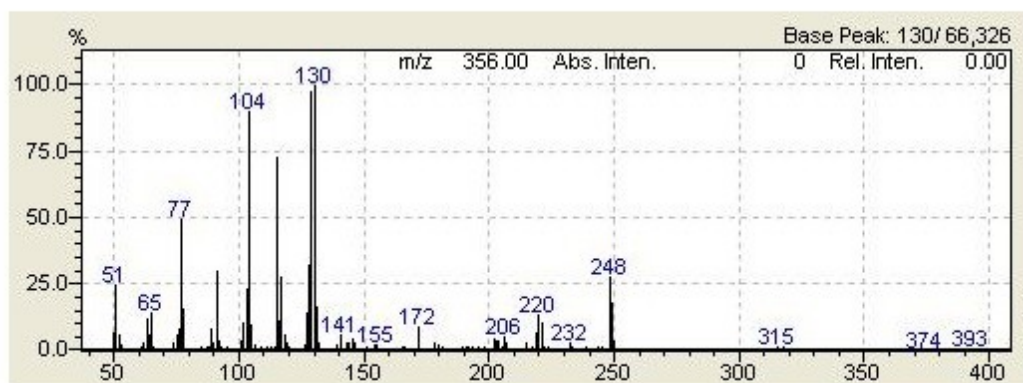
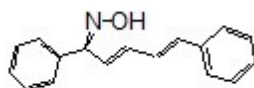
B.6: MS spectra of 3-(*p*-nitrophenyl)-5-(furyl)-pyrazole [XXXII]



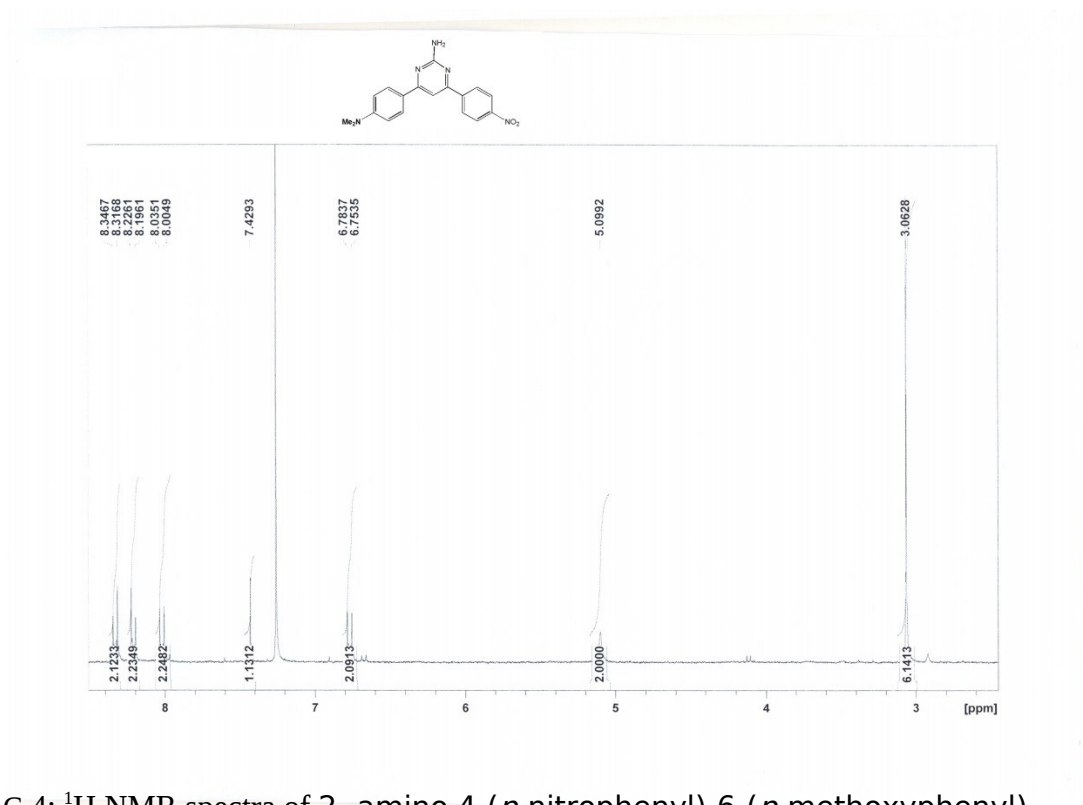
B.7: MS spectra of 3-(*p*-nitrophenyl)-5-(4-*N,N*-dimethylaminophenyl)-isoxazole [XLIV]



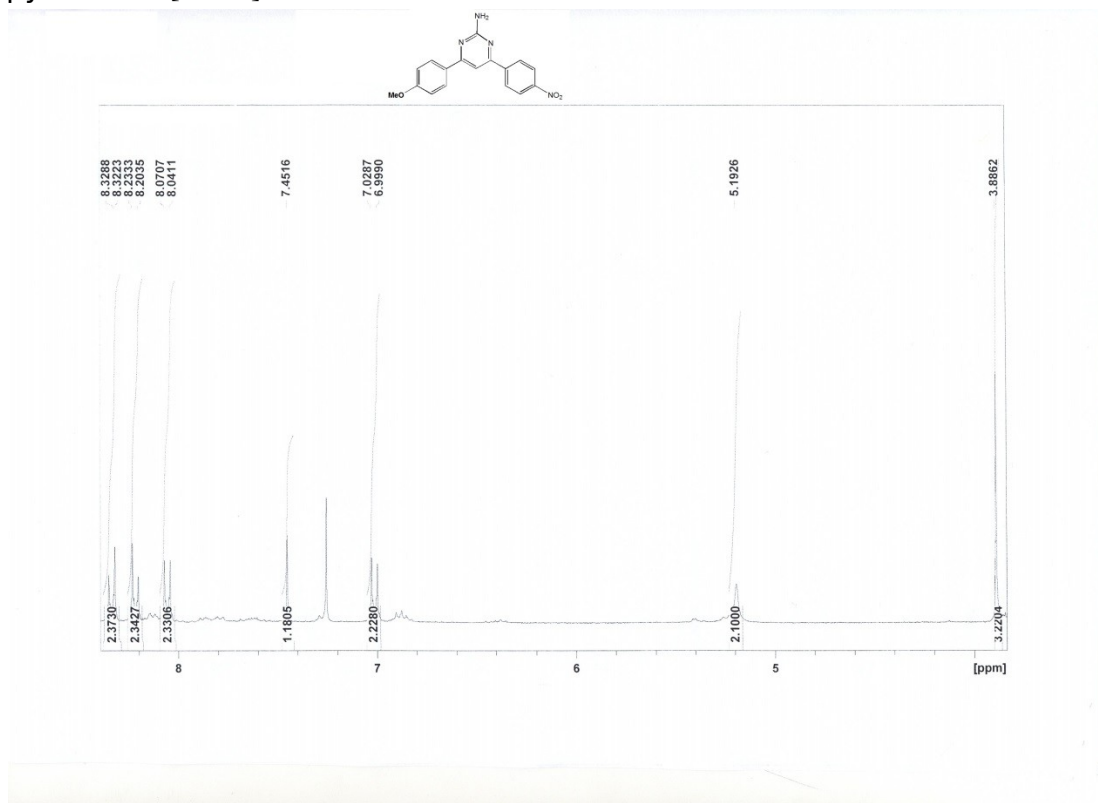
B.8: MS spectra of 1,5-diphenylpenta-(2*E*,4*E*)-dien-1 oxime [XXXVII-b]



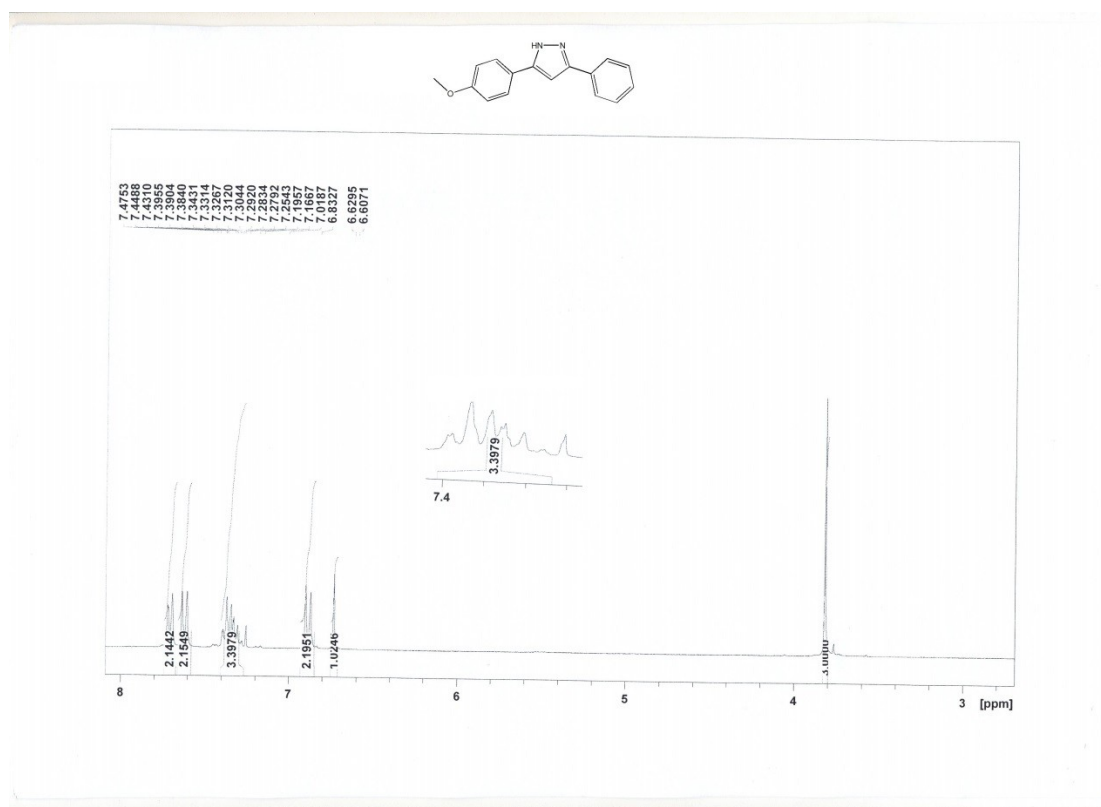
C.3: ^1H NMR spectra of 2- amino 4-(*p*-nitrophenyl)-6-(*p*-N,Ndimethylaminophenyl)-pyrimidine [XXII]



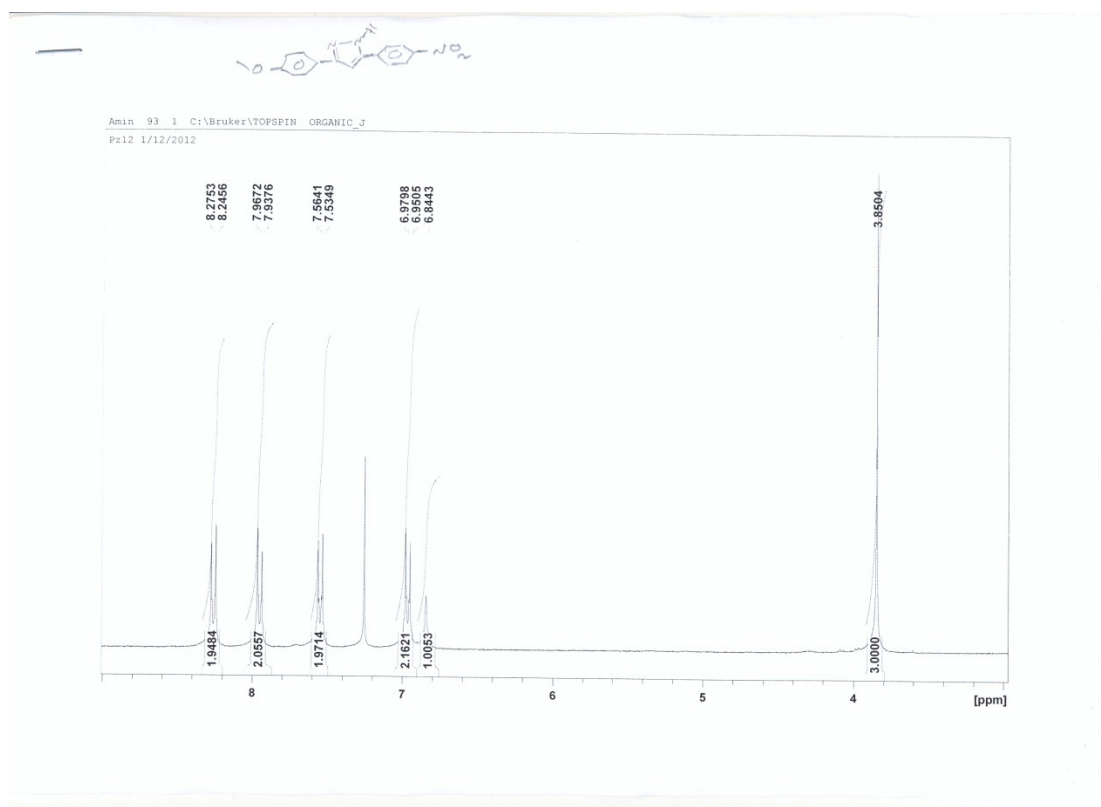
C.4: ^1H NMR spectra of 2- amino 4-(*p*-nitrophenyl)-6-(*p*-methoxyphenyl)pyrimidine [XXIII]



C.5: ^1H NMR spectra of 3-phenyl-5-(*p*-methoxyphenyl)- pyrazole [XVII]

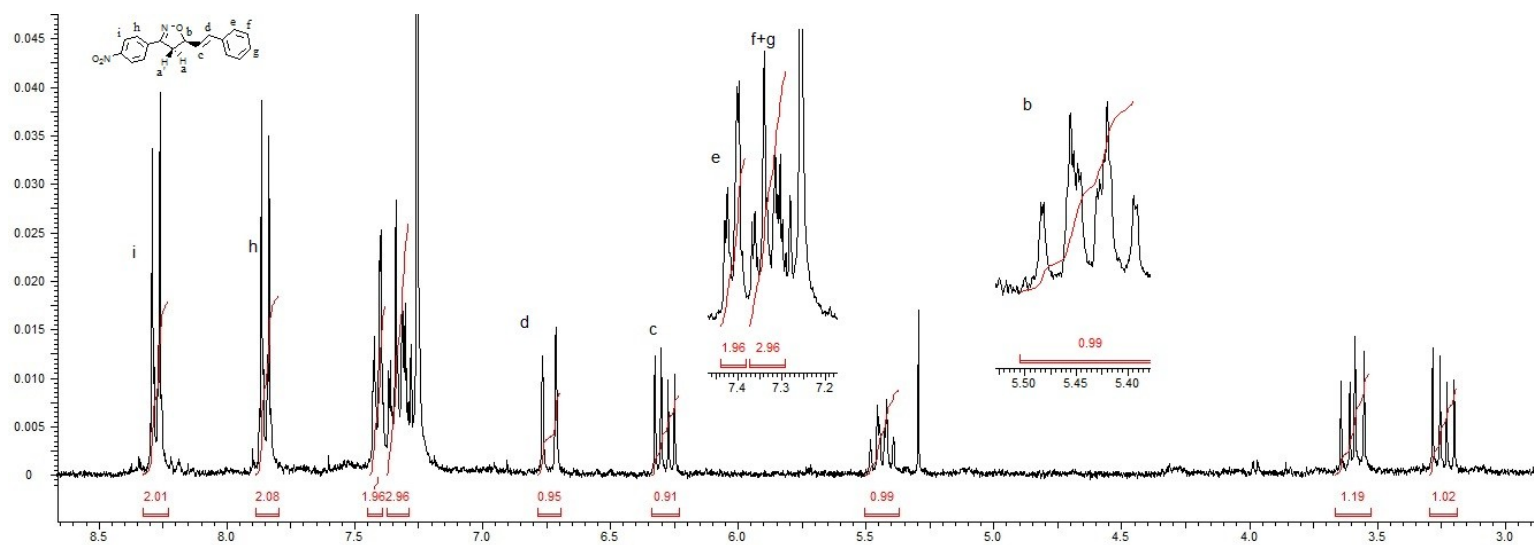


C.6: ^1H NMR spectra of 3-(*p*-nitrophenyl)-5-(*p*-methoxyphenyl)-pyrazole

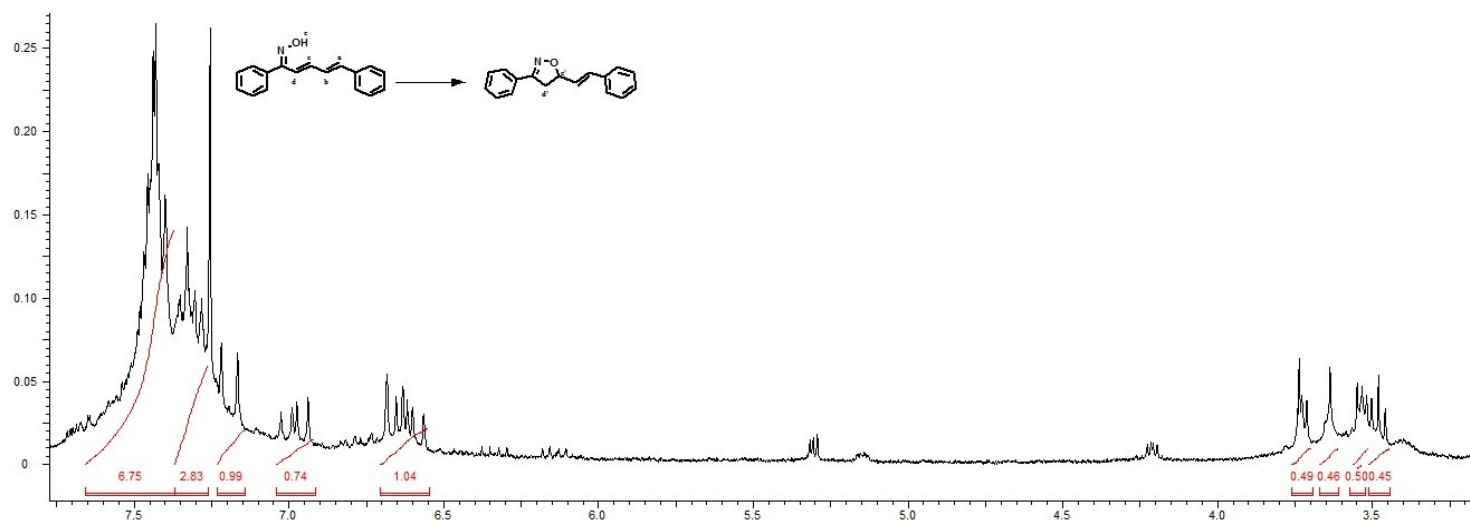


[XXXI]

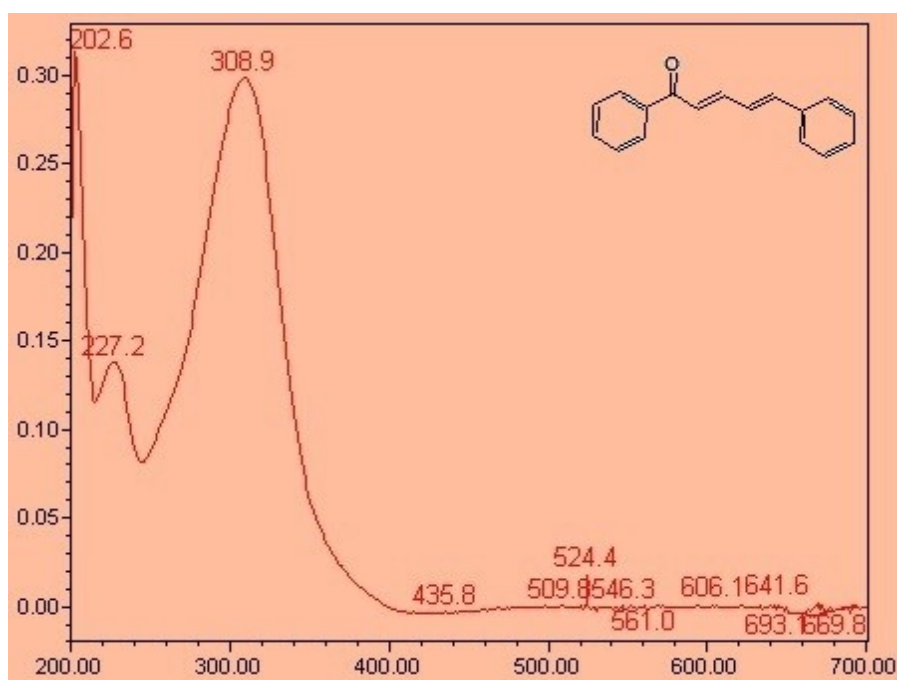
C.7: ^1H NMR spectra of 3-(*p*-nitrophenyl)-5-(ethenyl-2-phenyl)-4,6-dihydroisoxazole [XLVII-b]



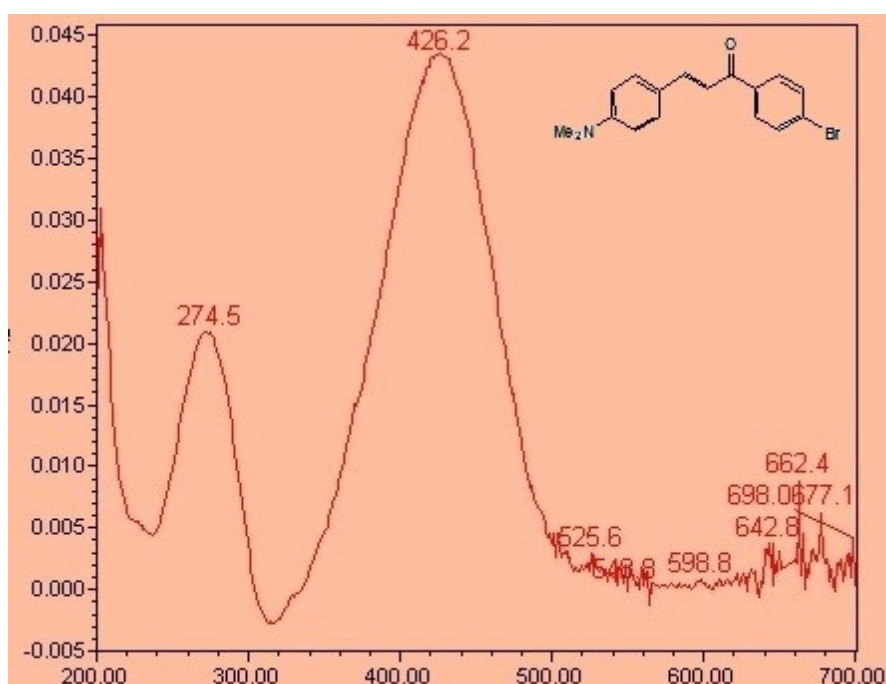
C.8: ^1H NMR spectra of 1,5-diphenylpenta-(2E,4E)-dien-1 oxime [XXXVII-b]



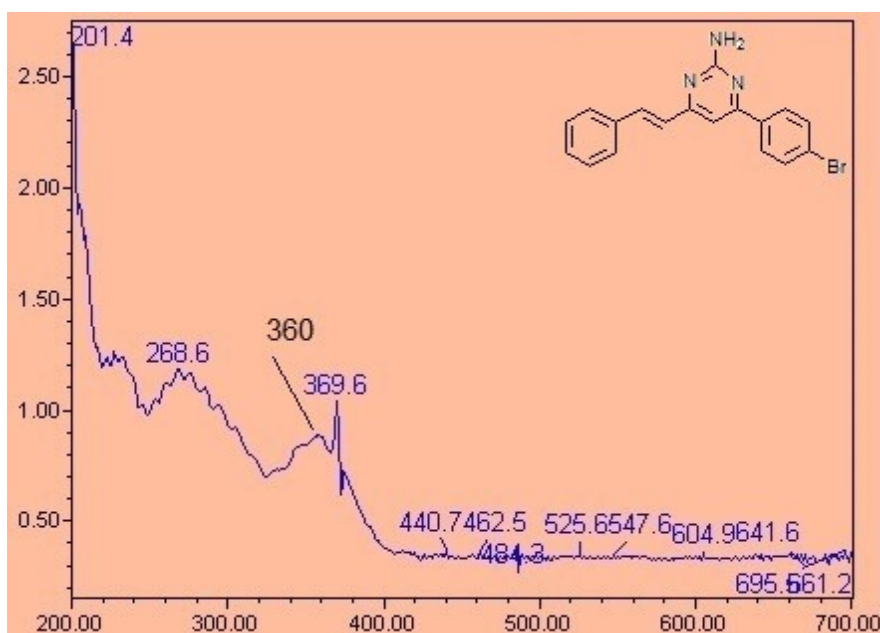
D.1: UV-Vis spectra of 1,5-diphenyl-(2E,4E)-pentadiene-1-one [IV]



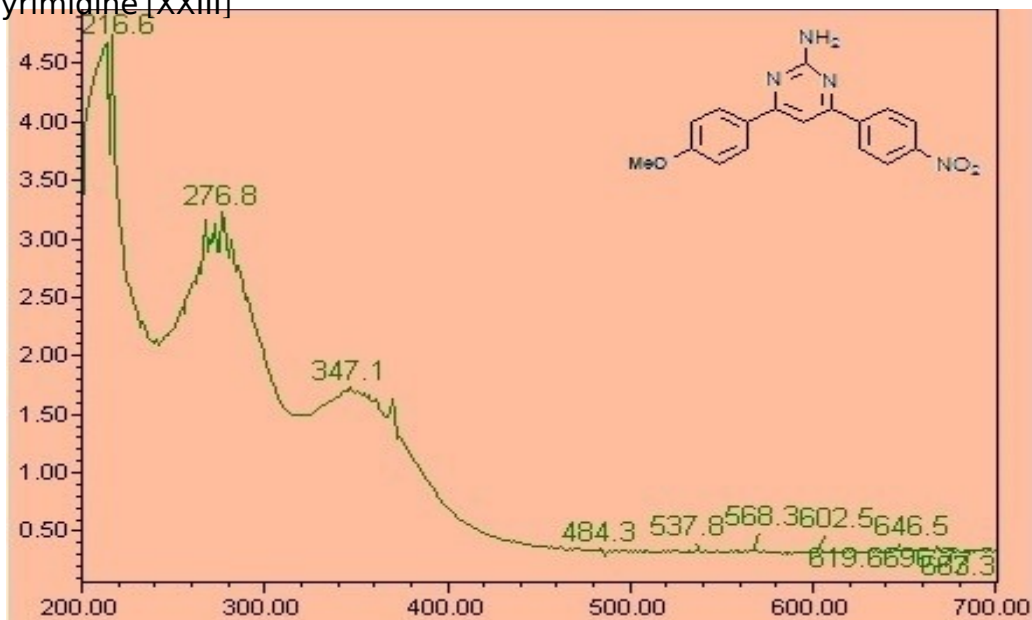
D.2: UV-Vis spectra of 1-(*p*-bromophenyl)-3-(*p*-N,N dimethylaminophenyl)-(2E)-propen-1-one [VI]



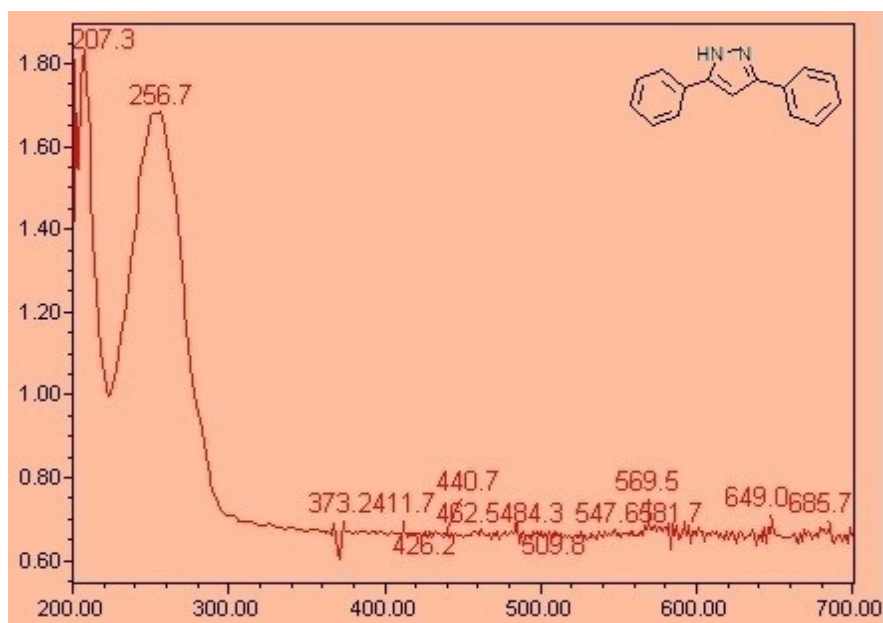
D.3: UV-Vis spectra of 2- amino 4-(*p*-bromophenyl) 6-(ethenyl-2-phenyl) pyrimidine [XXI]



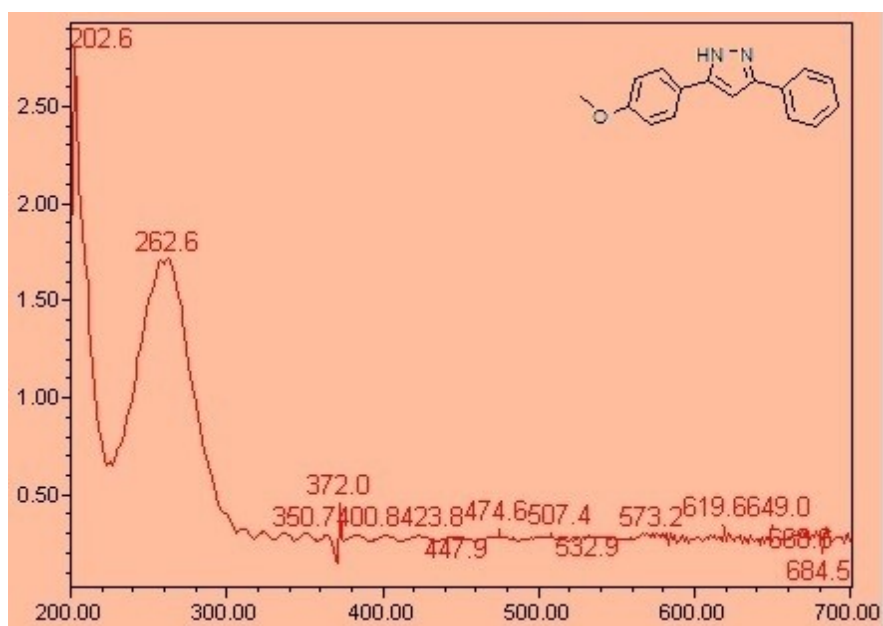
D.4: UV-Vis spectra of 2- amino 4-(*p*-nitrophenyl)-6-(*p*-methoxyphenyl) pyrimidine [XXIII]



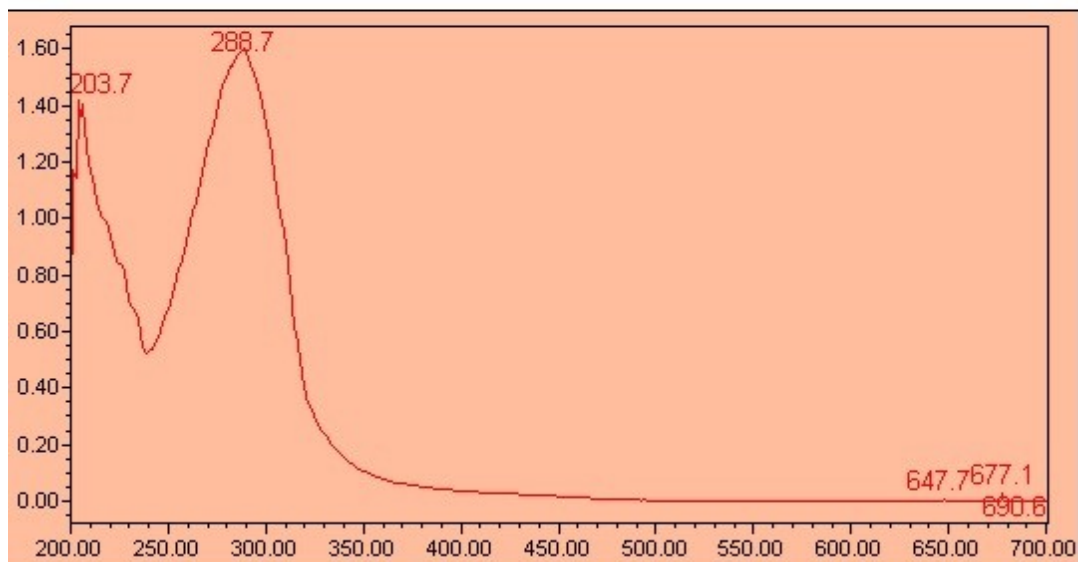
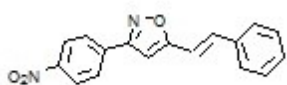
D.5: UV-Vis spectra of 3,5-diphenyl-pyrazole [XXV]



D.6: UV-Vis spectra of 3-phenyl-5-(*p*-methoxyphenyl)- pyrazole [XXVII]



D.7: UV-Vis spectra of 3-(*p*-nitrophenyl)-5-(ethenyl-2-phenyl)-isoxazole [XLVII-a]



D.8: UV-Vis spectra of 1,5- diphenylpenta- (2E,4E)-dien-1 oxime [XXXVII-b]

