

# Chapter Five

## Appendix

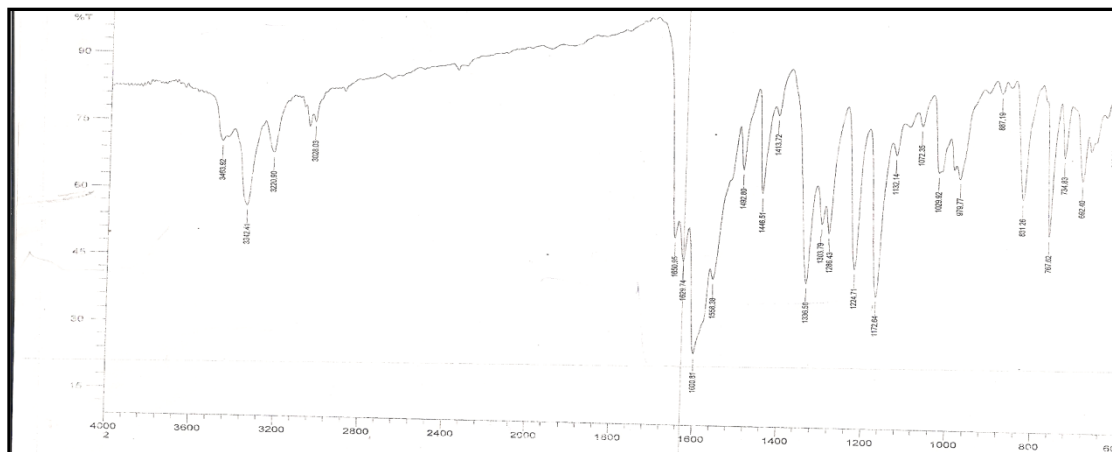


Fig.5.1. IR spectra of the synthesized 3-phenyl-1-(*p*-aminophenyl)-prop-2-en-1-one (II)

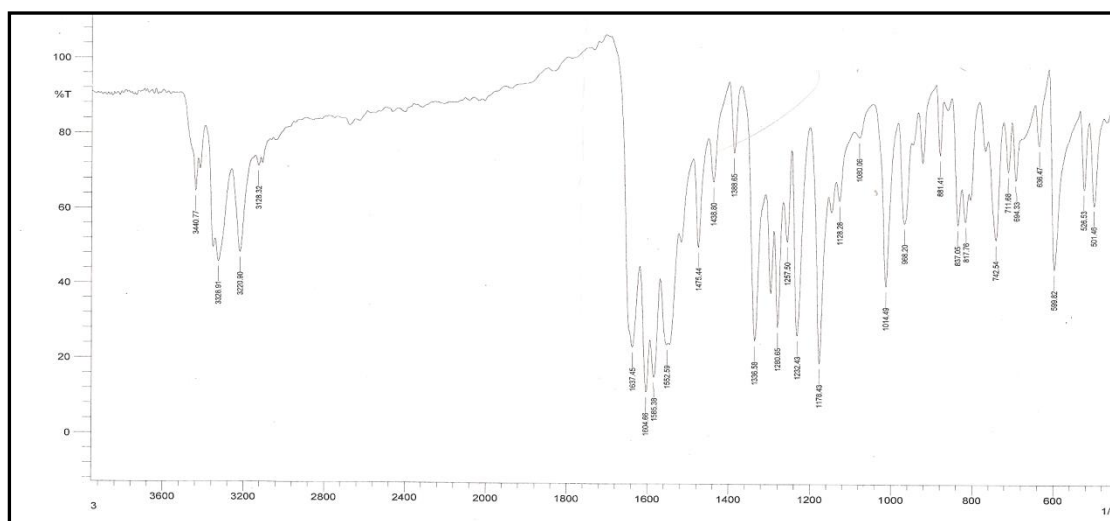


Fig.5.2. IR spectra of synthesized of 3-fural-1-(*p*-aminophenyl)-prop-2-en-1-one (III)

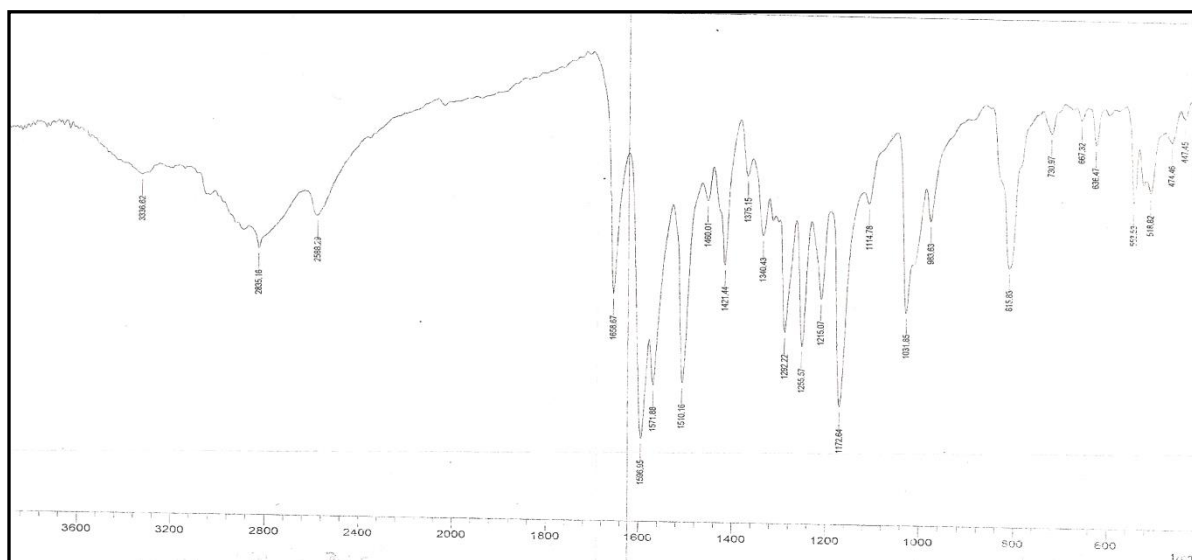


Fig.5.3.IR spectra of 3-(4-methoxyphenyl)-1-(*p*-aminophenyl)-prop-2-en-1-one (IV)

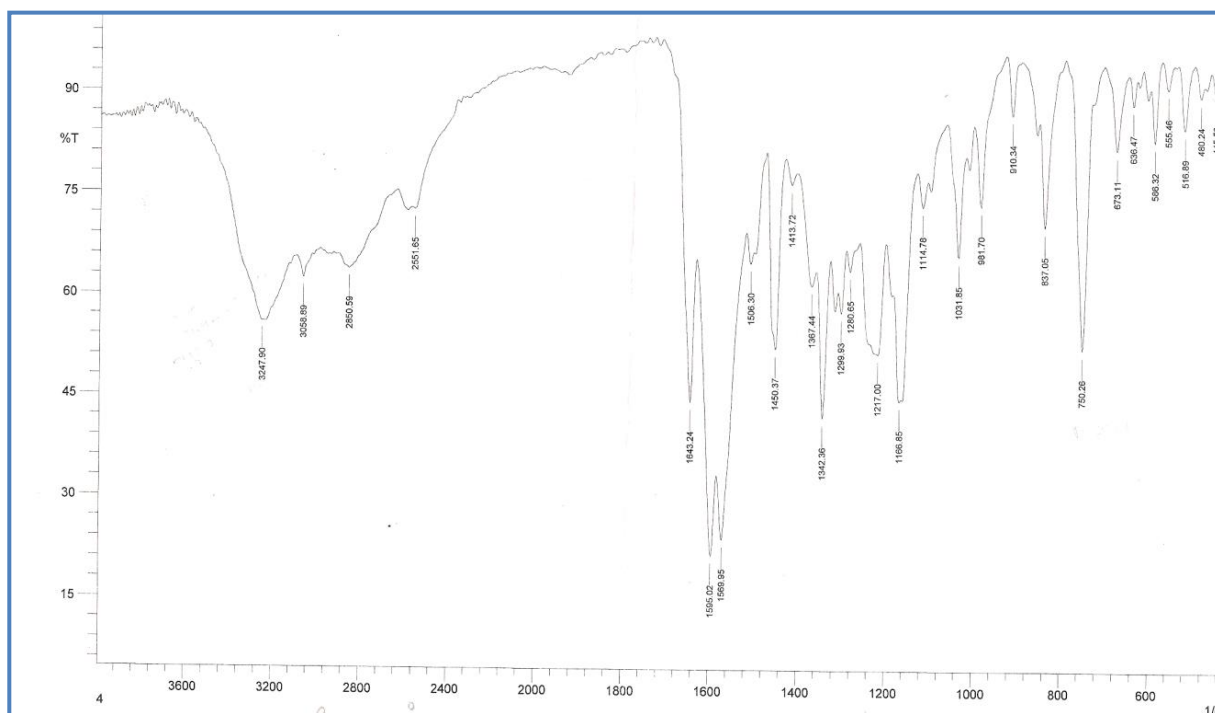


Fig.5.4.IR spectra of 3-(2-hydroxyphenyl)-1-(*p*-aminophenyl)-prop-2-en-1-one (V)

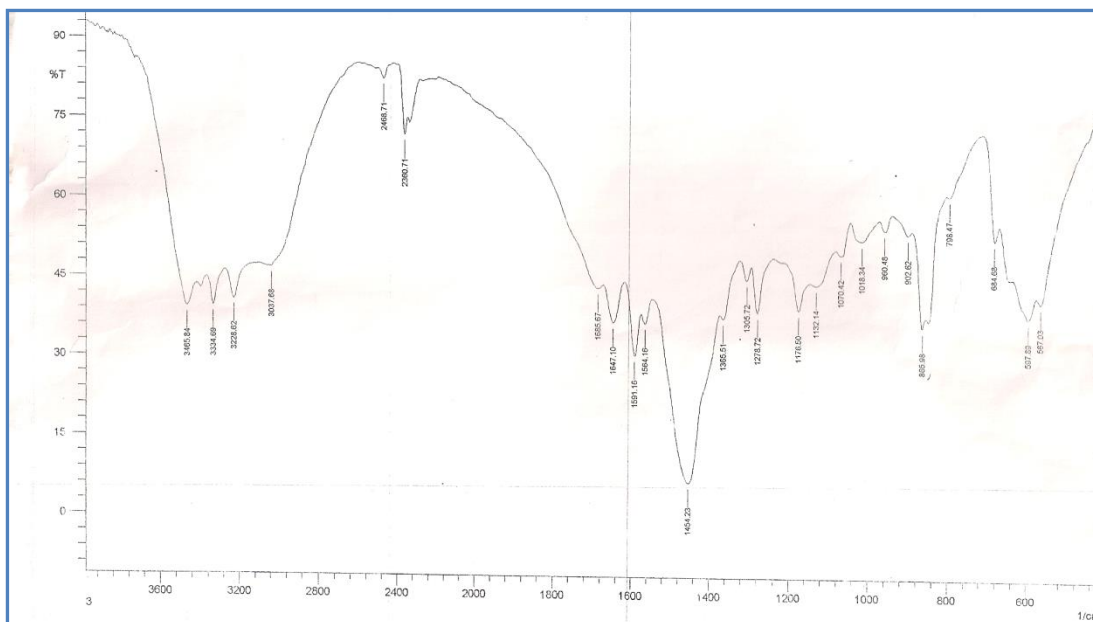


Fig.5.5.IR spectra of 5-fural-3(*p*-aminophenyl)-1,2-isoxazole.(VI)

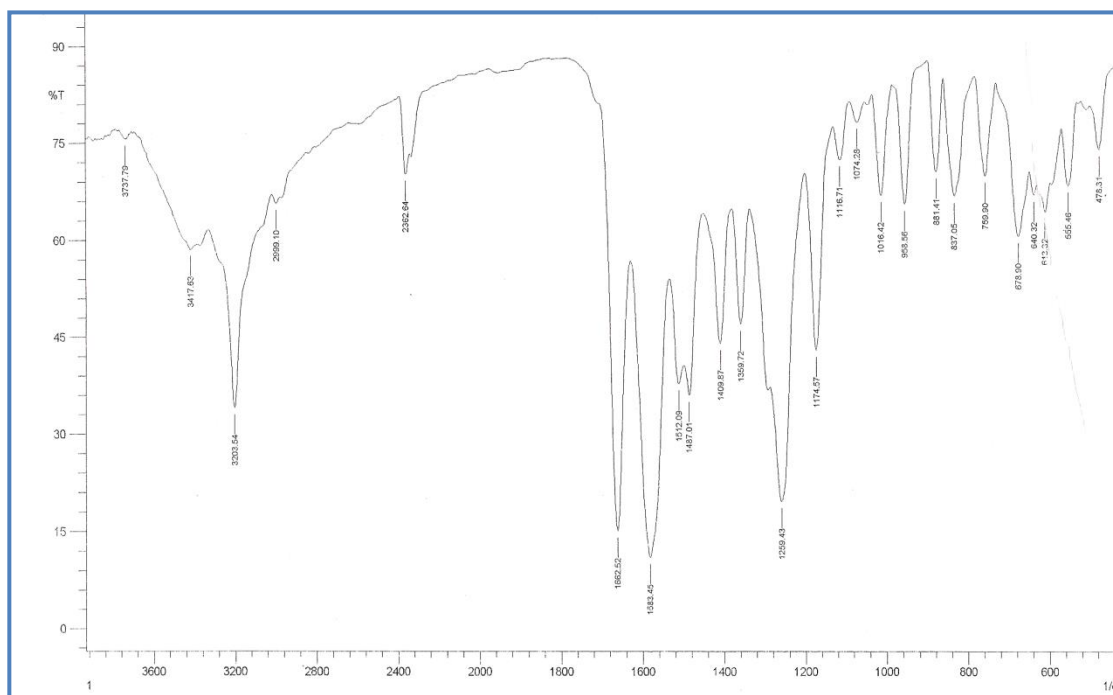


Fig.5.6.IR spectra of 5-phenol-3(*p*-aminophenyl)-1,2-isoxazole.(VII)

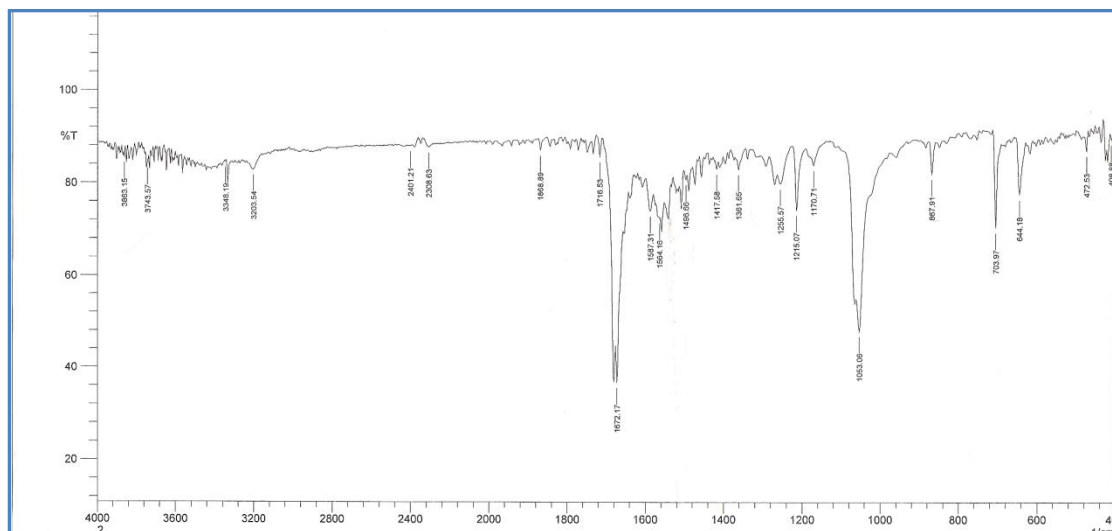


Fig.5.7.IR spectra of 5-phenyl-3(*p*-aminophenyl)-1,2-isoxazole.(VIII)

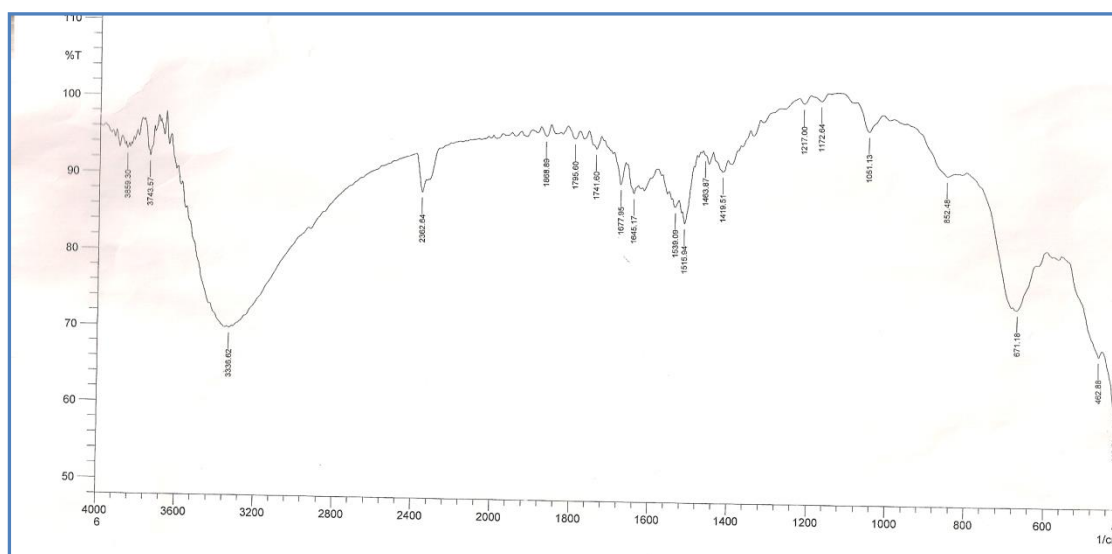


Fig.5.8.IR spectra of 5-(4-methoxyphenyl)-3(*p*-aminophenyl)-1,2-isoxazole.(IX)

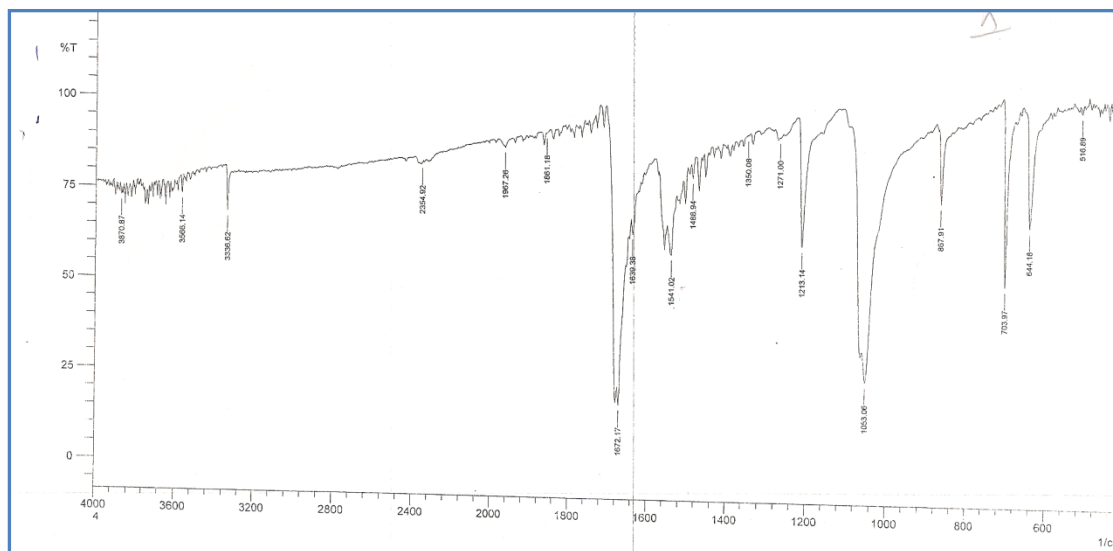


Fig.5.8.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone). (X).

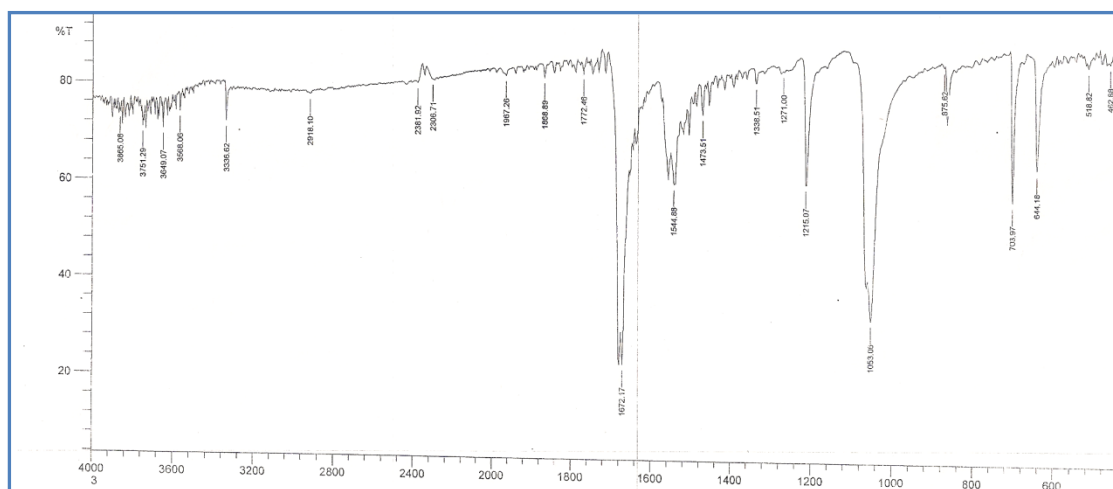


Fig.5.9.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-fural-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone). (XI).

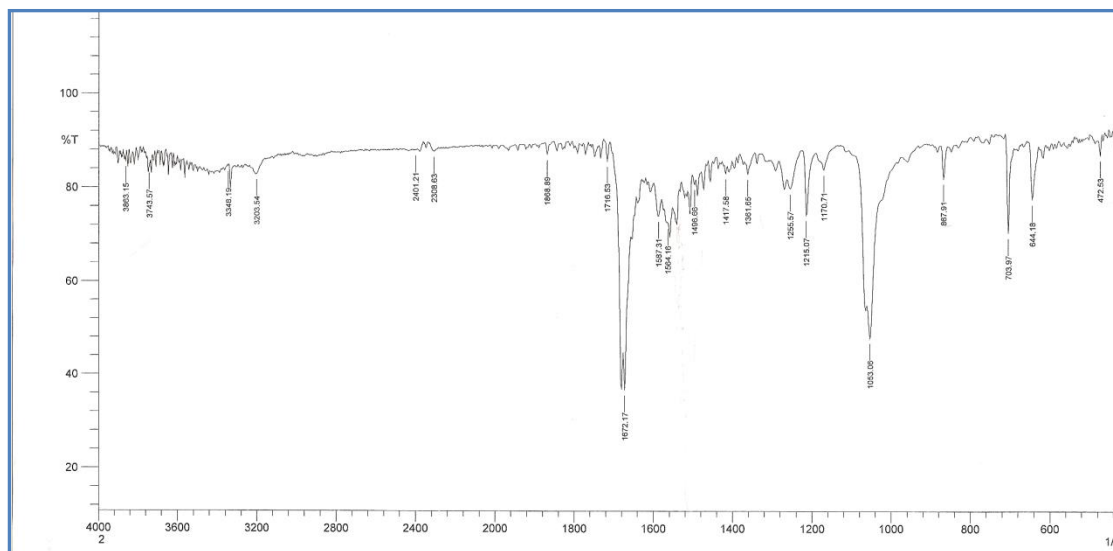


Fig.5.10.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-methoxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone) .(XII).

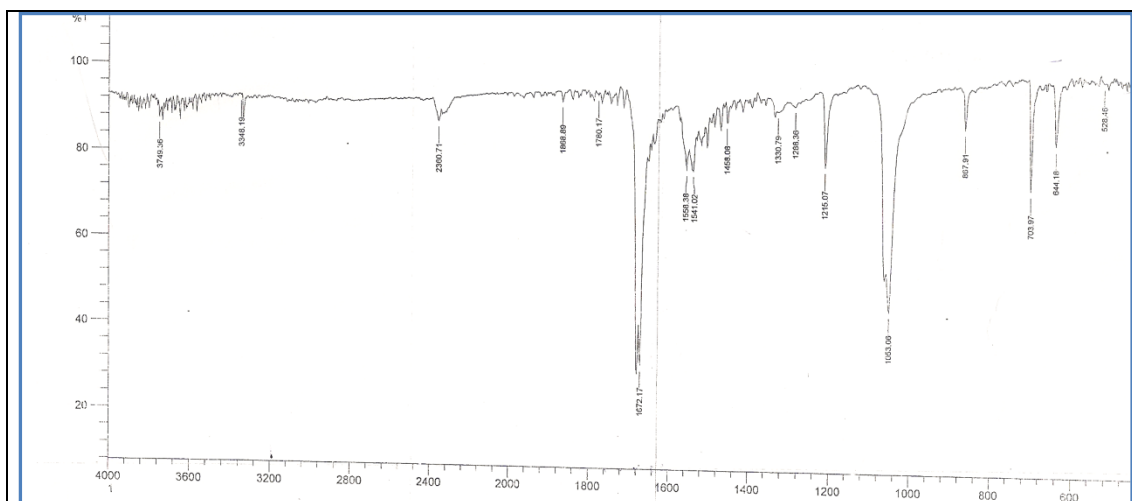


Fig.5.11.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-hydroxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XIII)

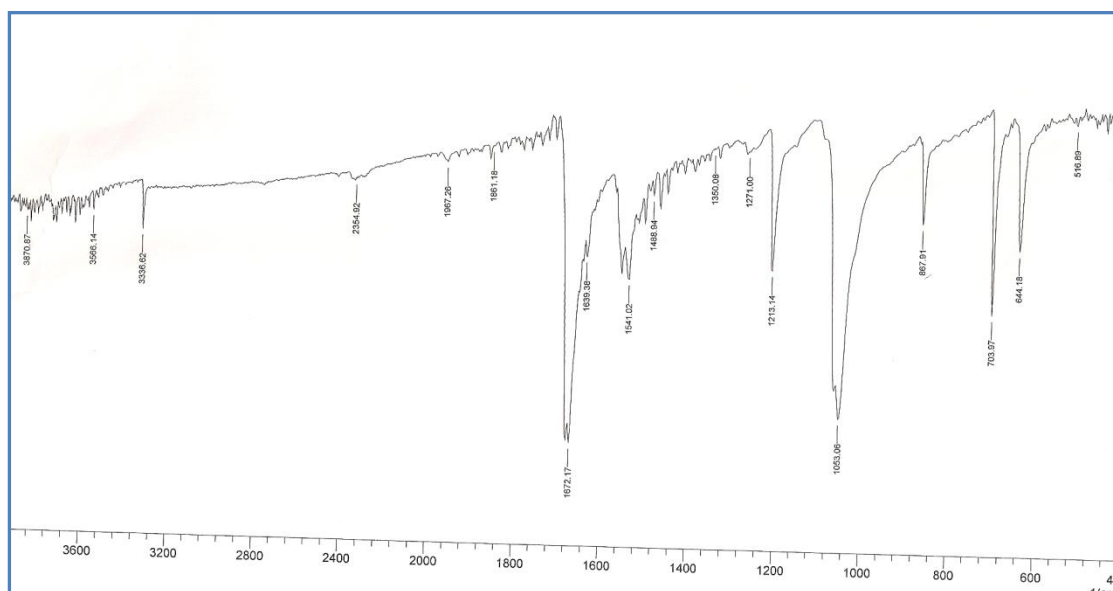


Fig.5.12.IR.spectra 2, 5-dibromo-3, 6-diisoxazolyl-di (5-phenyl),1,4- benzoquinone) (XIV).

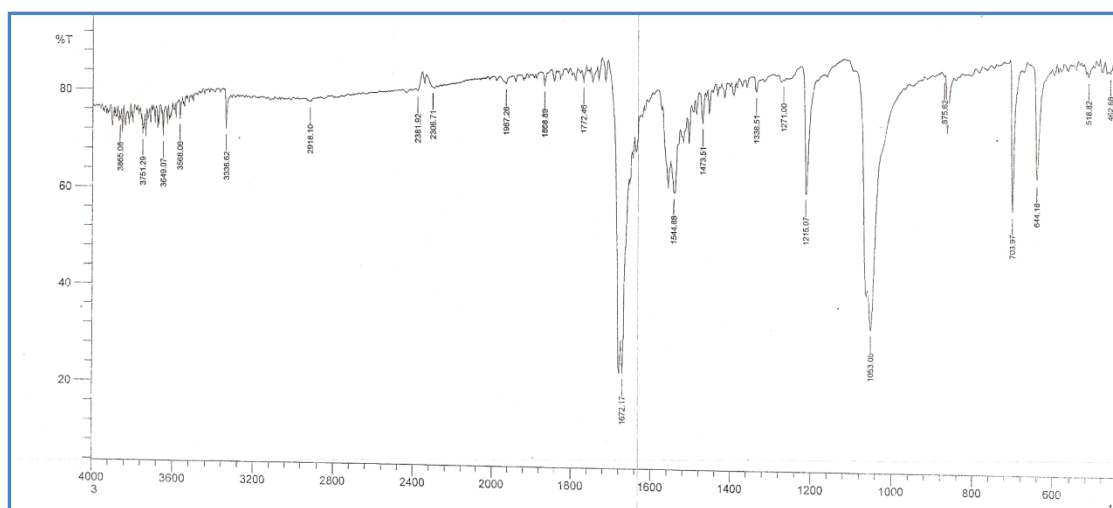


Fig.5.13.IR spectra of 3-diphenyl 2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one . (XV).

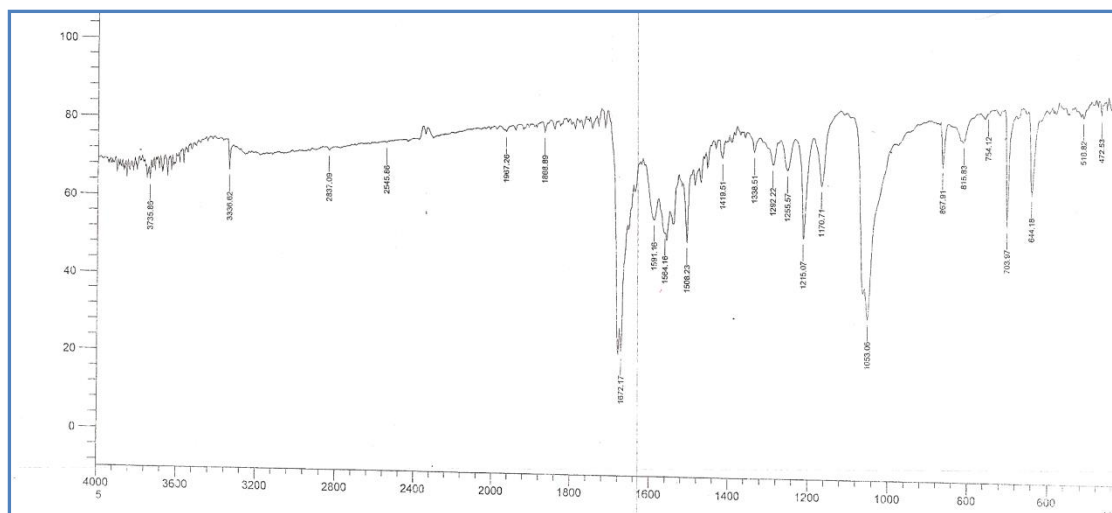


Fig.5.14.IR spectra of 3-difural-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one (XVI).

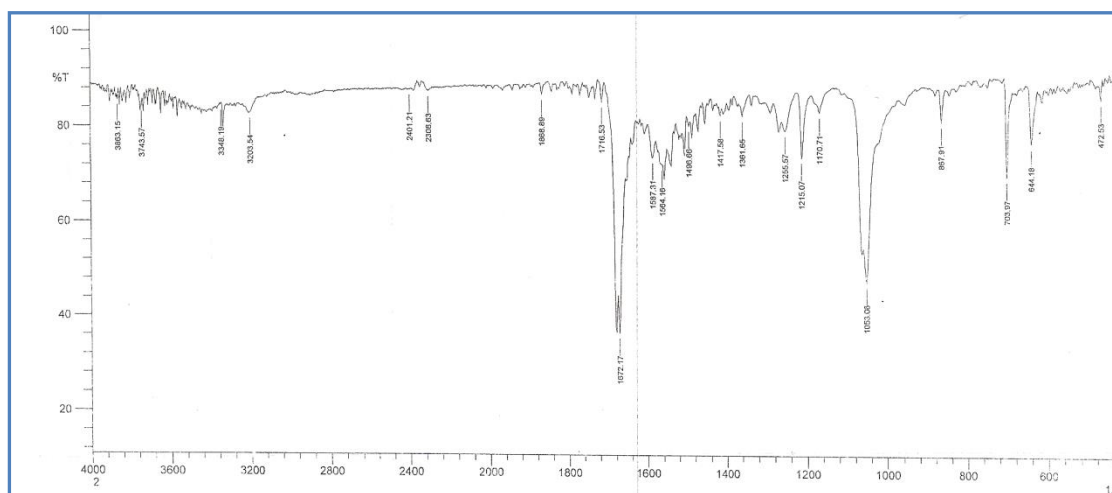


Fig.5.15.IR spectra of 3-di-(4-methoxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one (XVII).



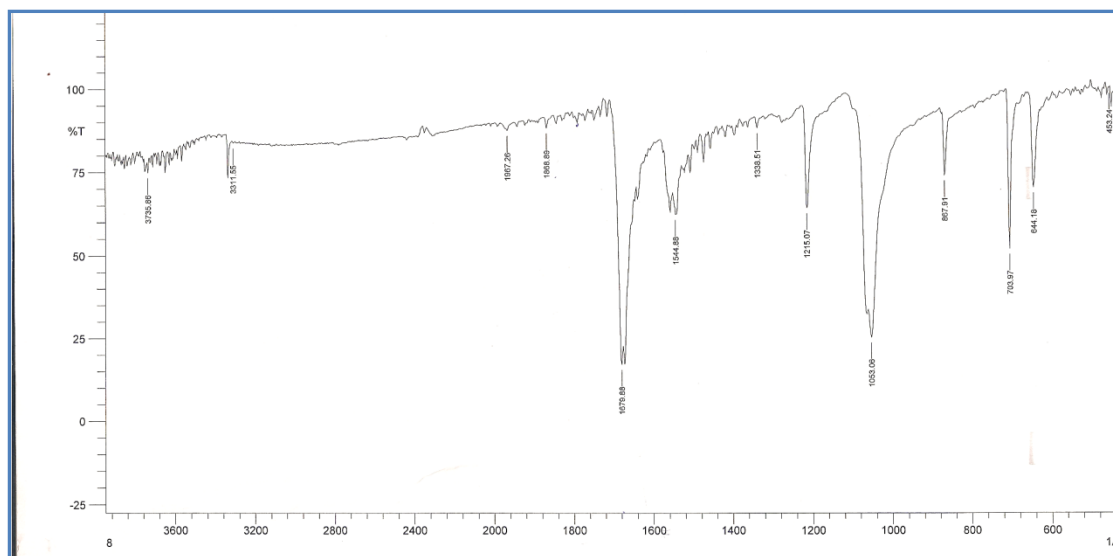


Fig.5.15.IR spectra of 3-di(2-hydroxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one (XVIII).

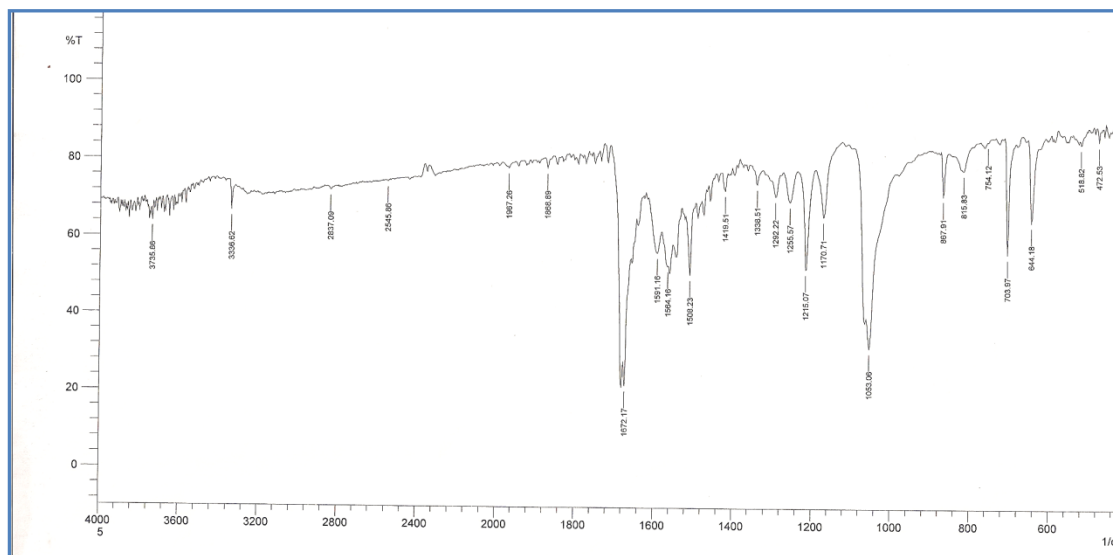


Fig.5.16.IR spectra of 3-diphenyl 2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one. ( XIX).

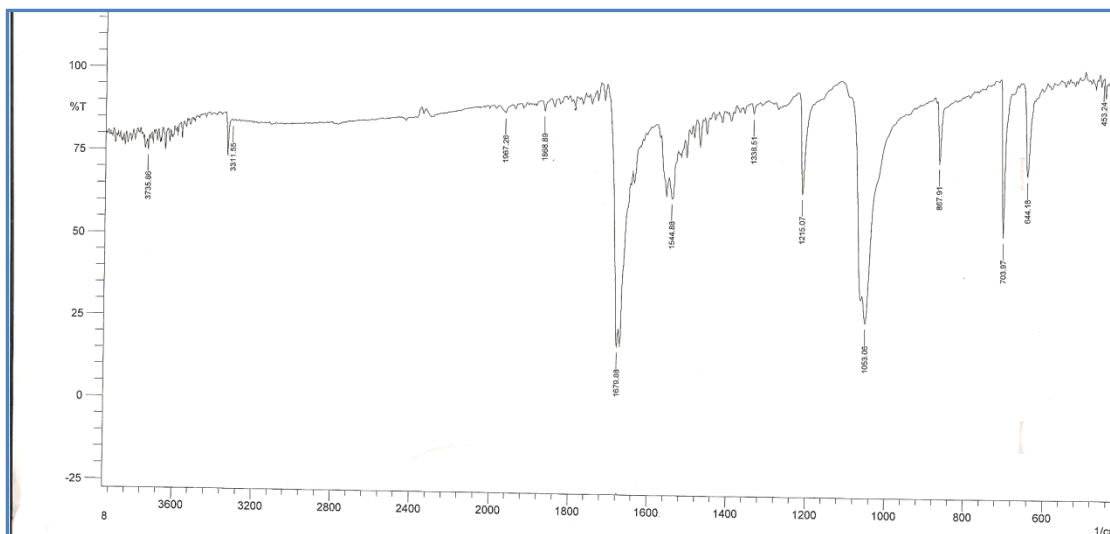


Fig.5.17.IR spectra of 3-difural-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one. (XX).

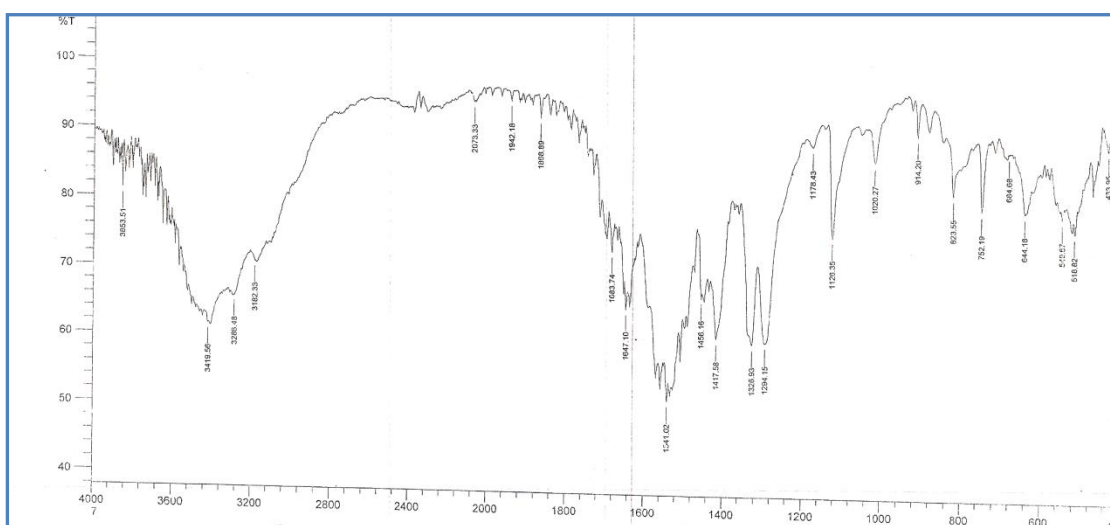


Fig.5.18.IR spectra of 3-di(2-hydroxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one.(XXI).

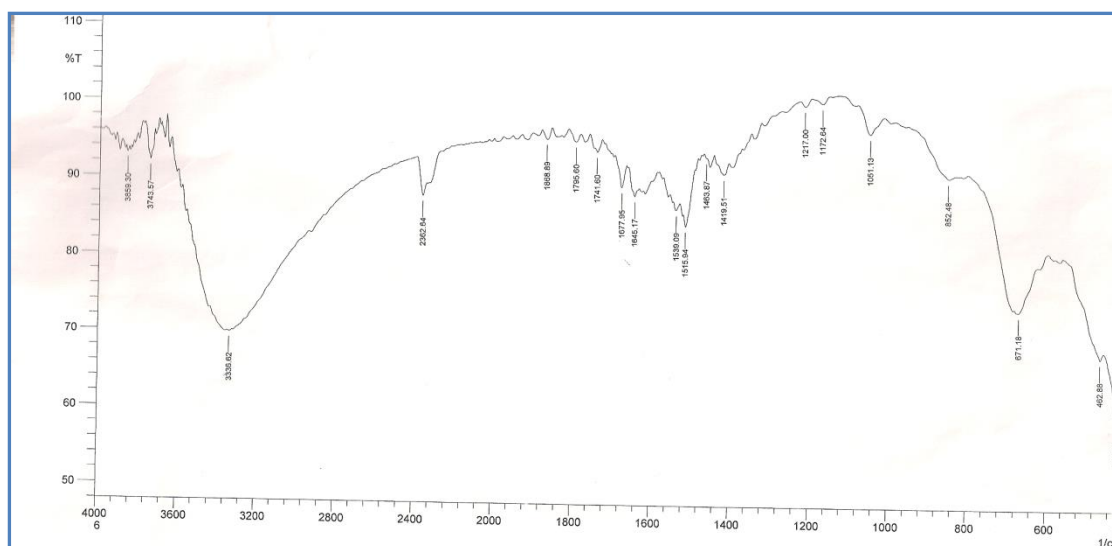


Fig.5.19.IR spectra of 3-di-(4-methoxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one.(XXII).

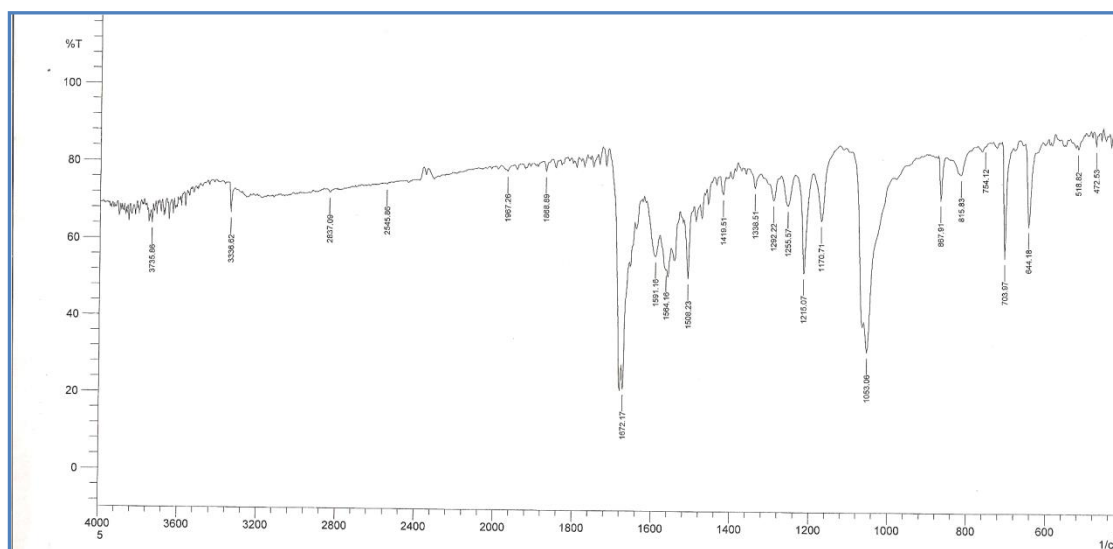


Fig.5.20.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(X).

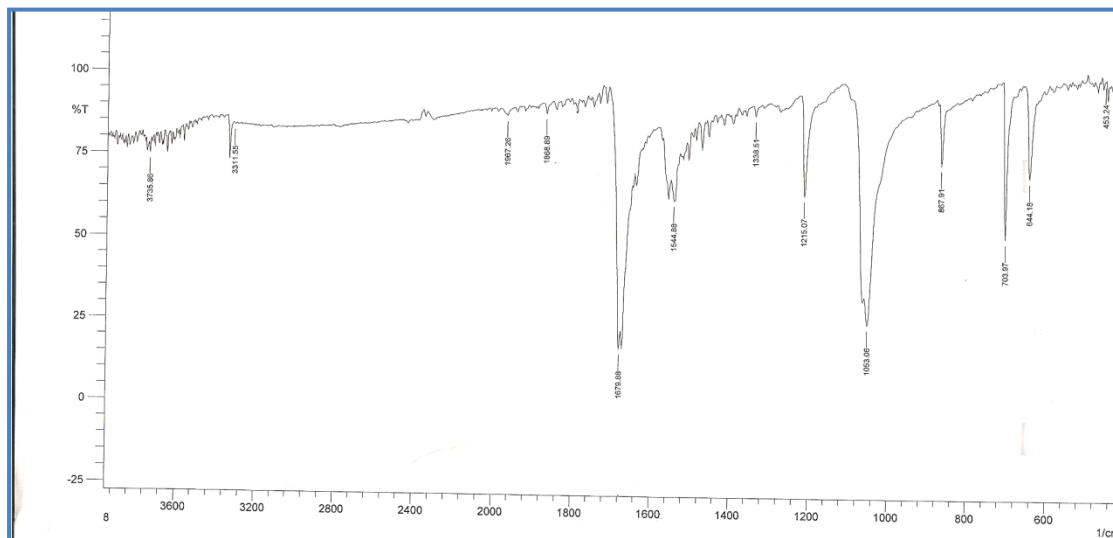


Fig.5.21.IR spectra of 2, 5-dibromo-3, 6-di(4-(5-fural-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XI).

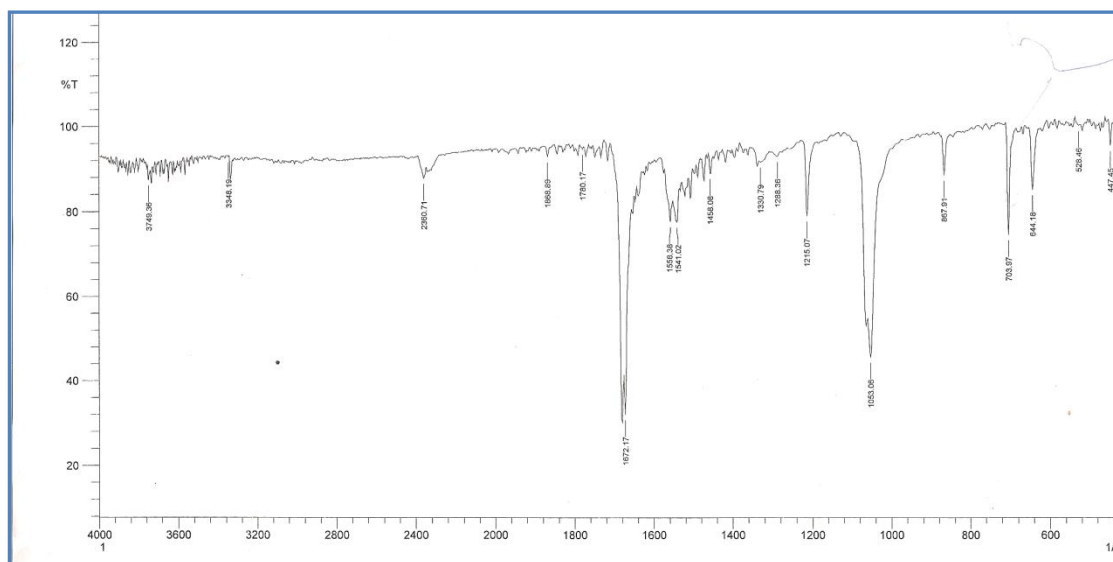


Fig 5.22.IR spectra of 2, 5-dibromo--3, 6-di(4-(5-methoxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XII).



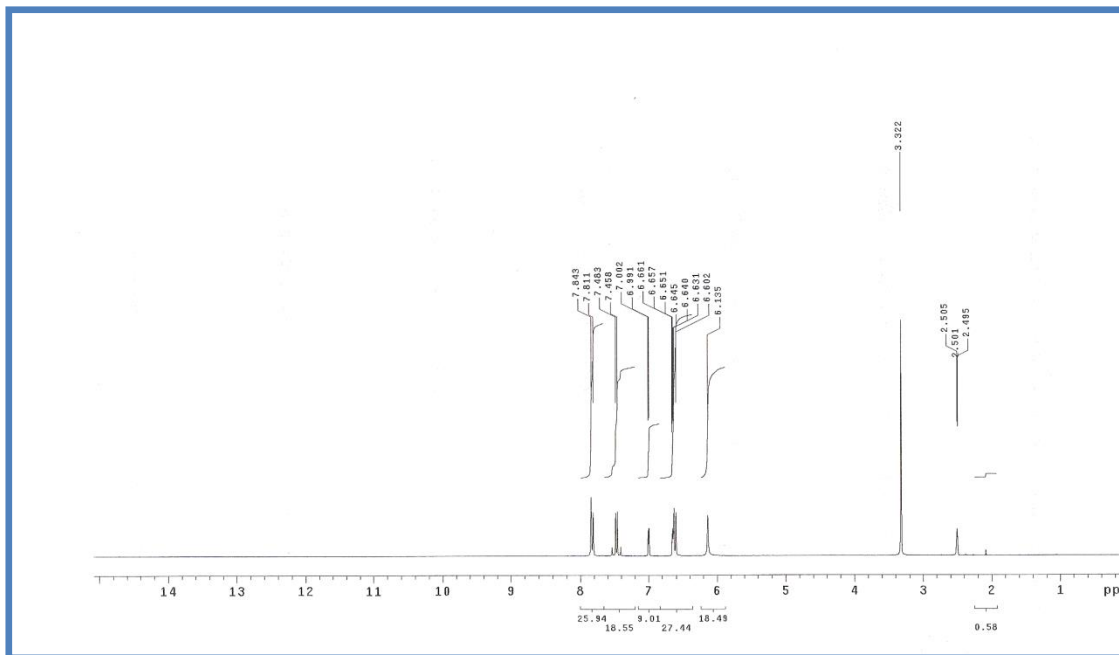


Fig.5.25 <sup>1</sup>H NMR spectra of 3-fural-1-(*p*-aminophenyl)-prop-2-en-1-one (III).

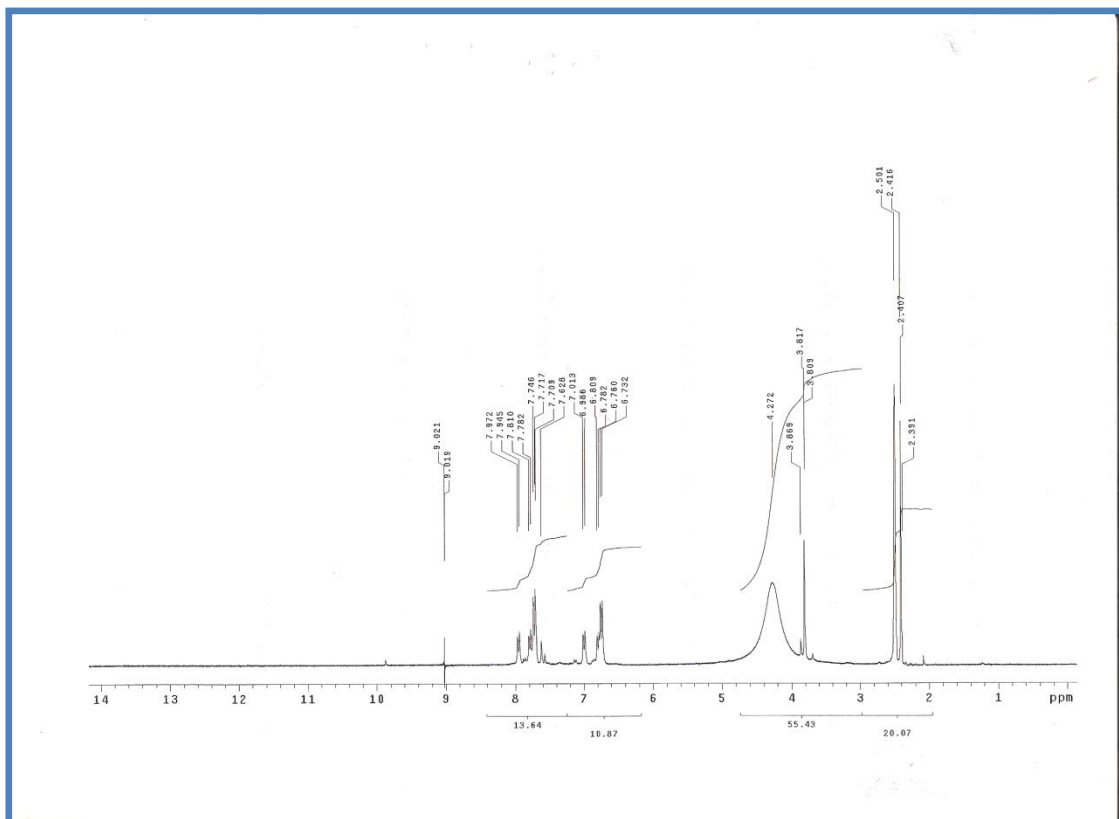


Fig.2.26 <sup>1</sup>H NMR spectra of 3-(4-methoxyphenyl)-1-(*p*-aminophenyl)-prop-2-en-1-one (IV).

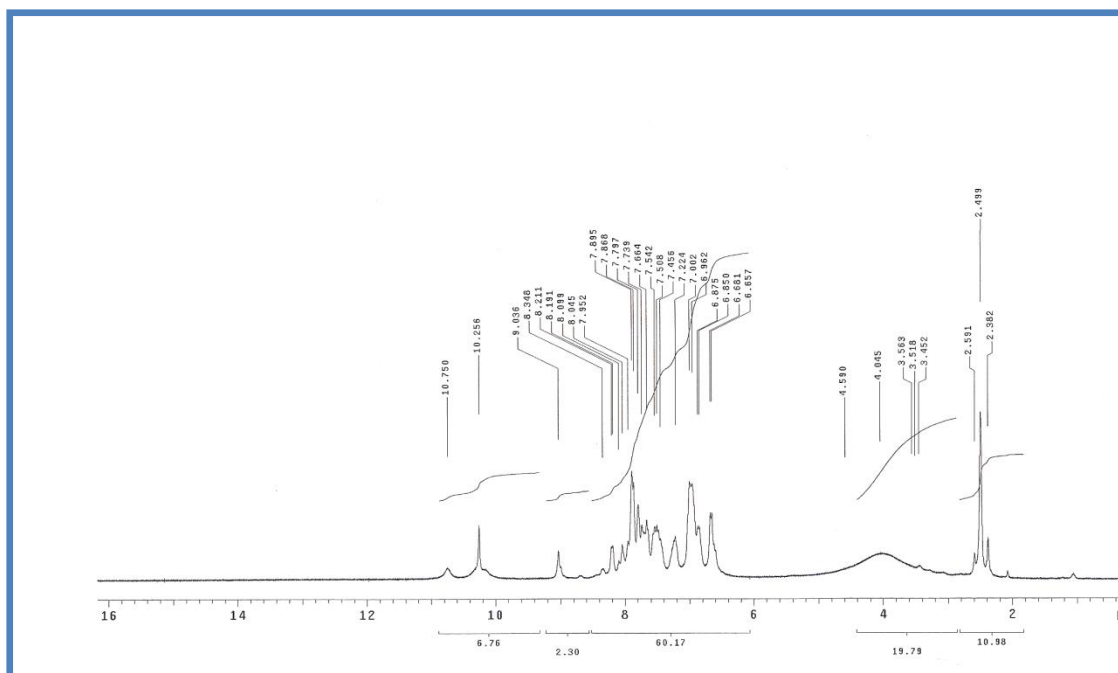


Fig.5.27  $^1\text{H}$ NMR spectra of 3-(2-hydroxyphenyl)-1-(*p*-aminophenyl)-prop-2-en-1-one.(V)

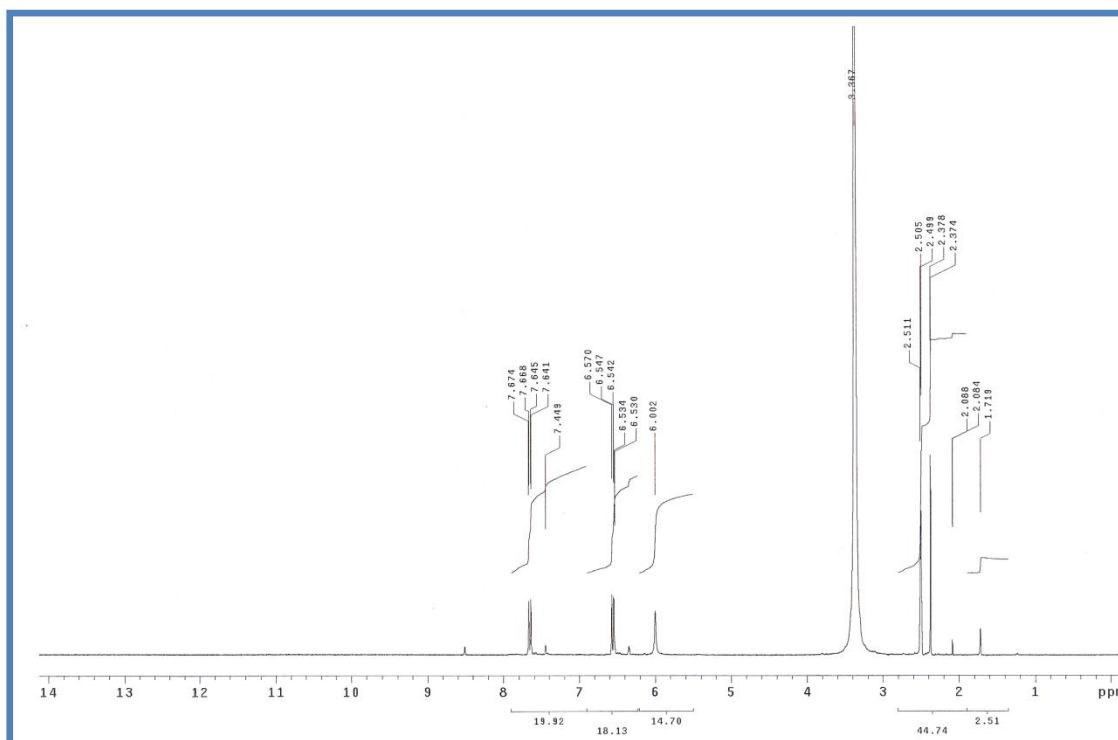


Fig.5.28  $^1\text{H}$ NMR spectra of synthesis of 5-fural-3(*p*-aminophenyl)-1,2-isoxazole.(VI)

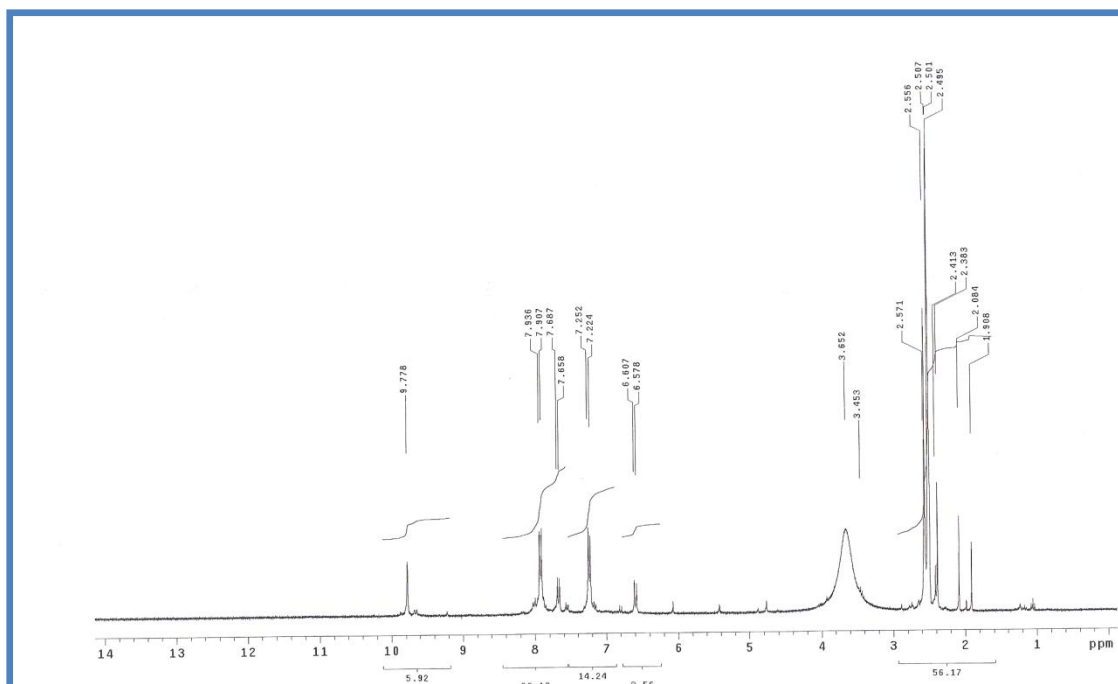


Fig.5.29  $^1\text{H}$ NMR spectra of synthesis of 5-phenol-3(*p*-aminophenyl)-1,2-isoxazole.VII)

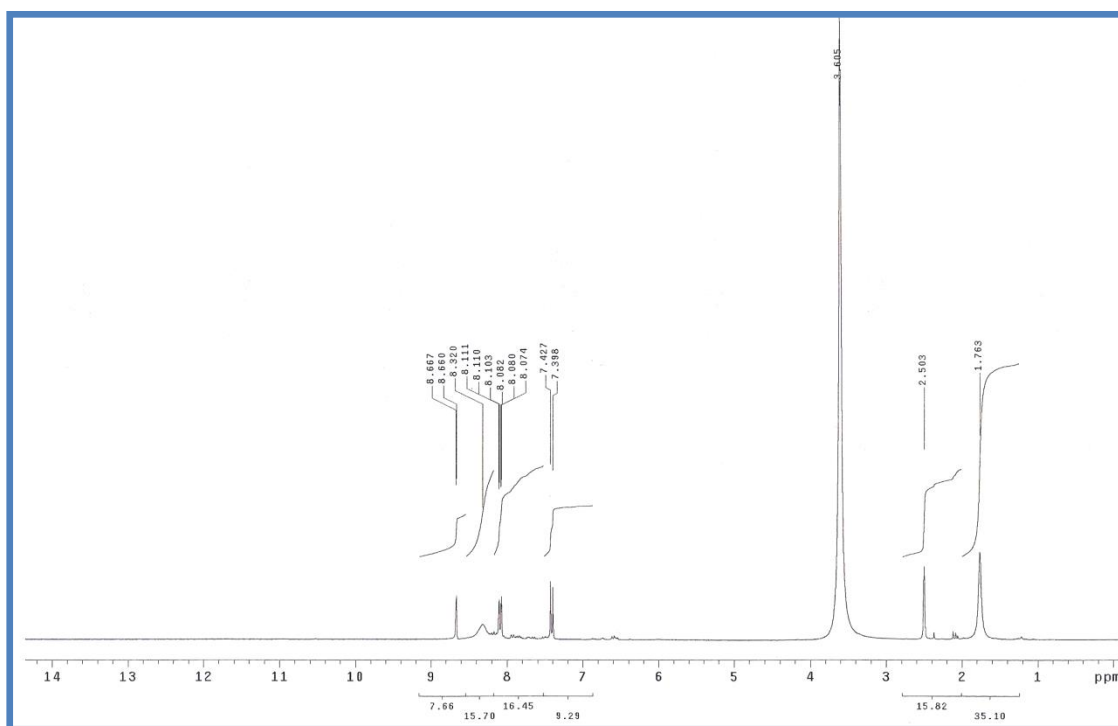


Fig.5.30  $^1\text{H}$ NMR spectra of synthesis of 5-phenyl-3(*p*-aminophenyl)-1,2-isoxazole.(VIII)



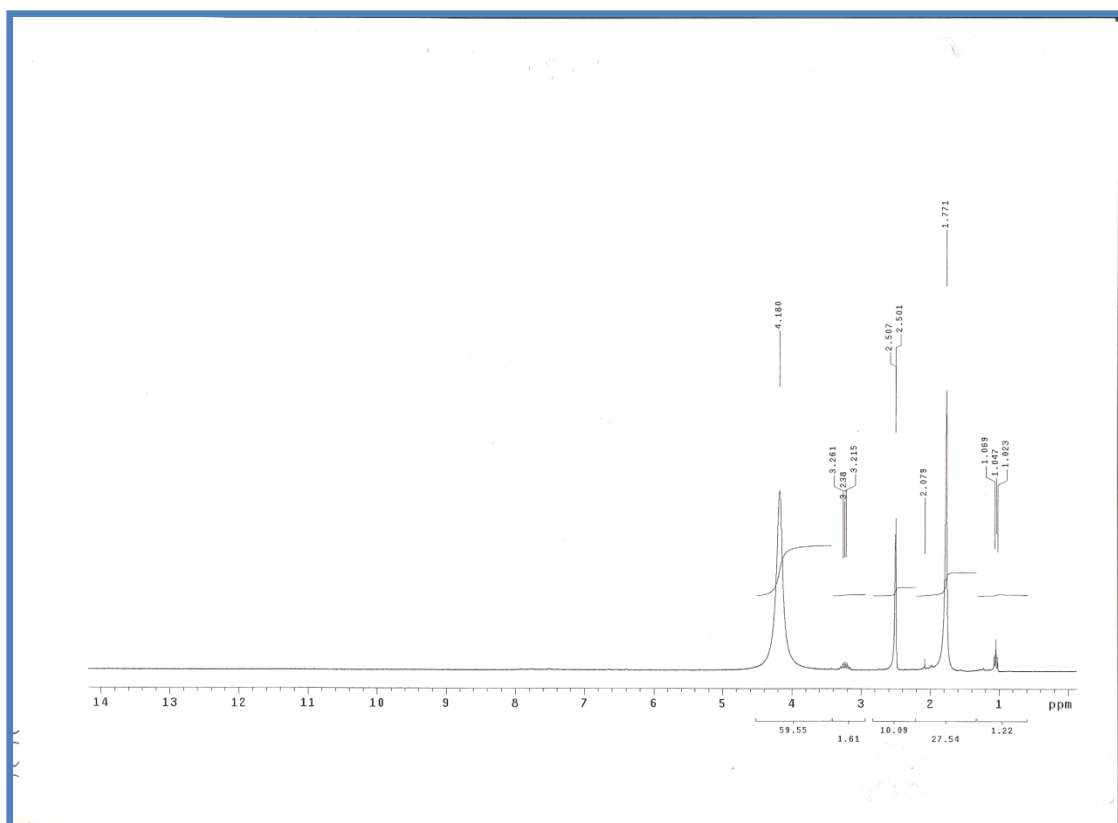


Fig.5.31. <sup>1</sup>H NMR spectra of synthesis of 5-(4-methoxyphenyl-3(*p*-aminophenyl)-1,2-isoxazole. (IX)

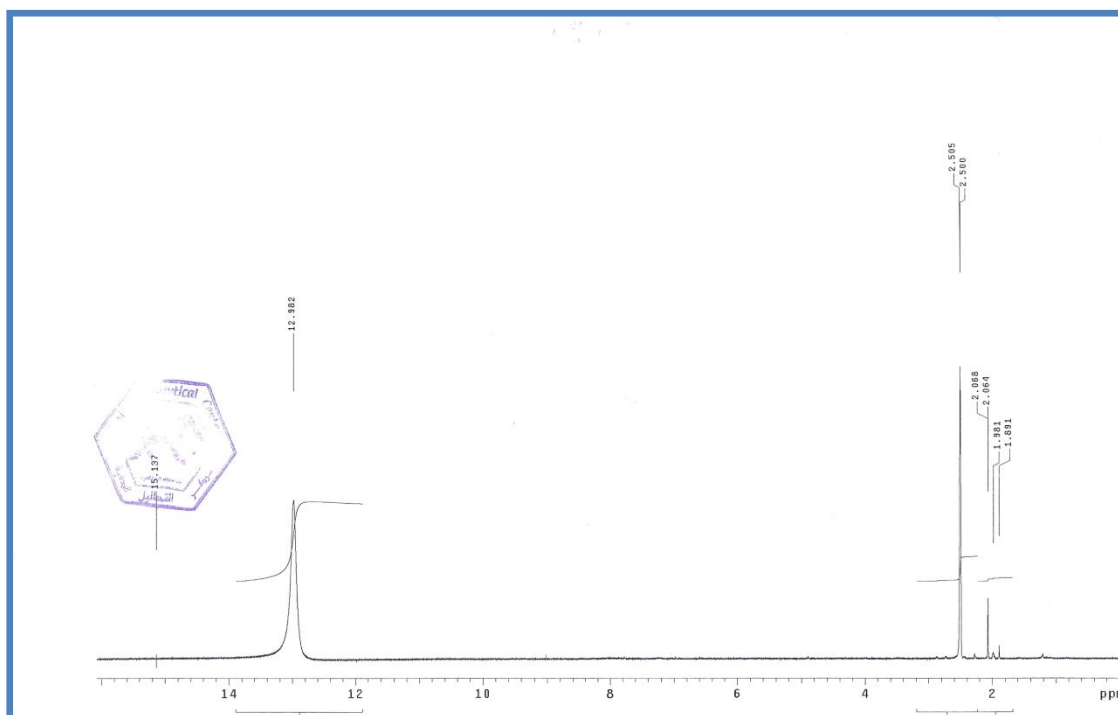


Fig.5.32. <sup>1</sup>H NMR spectra of 2, 5-dibromo-3, 6-di(4-(5-phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone). (X)

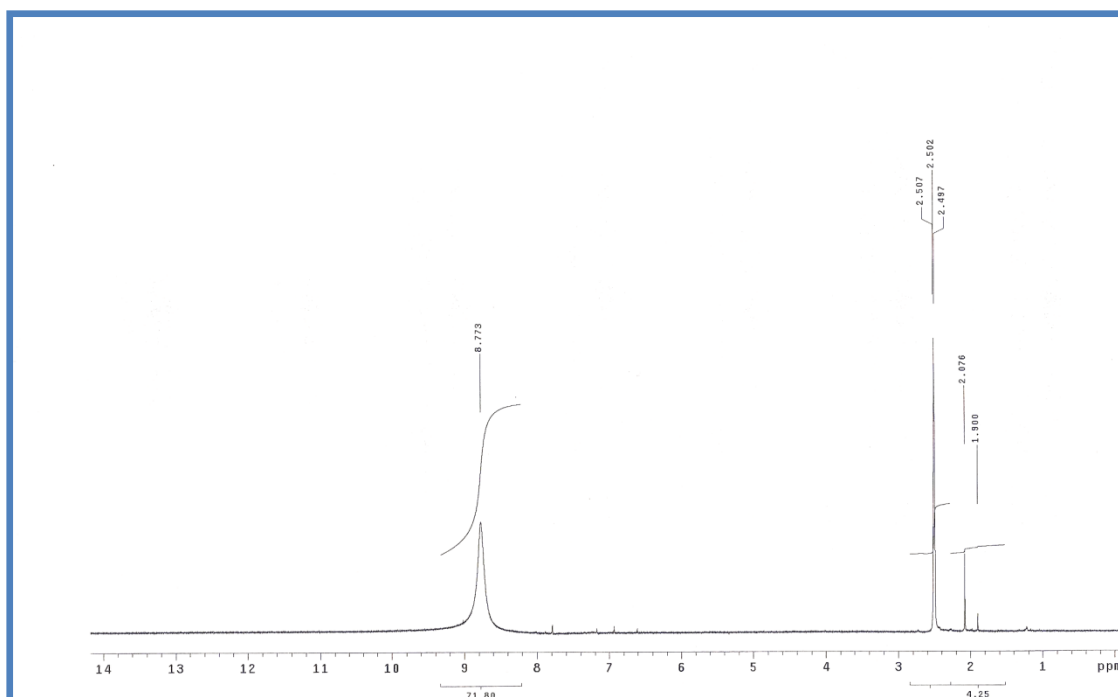


Fig.5.33. <sup>1</sup>H NMR spectra of 2, 5-dibromo-3, 6-di(4-(5-fural-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XI)

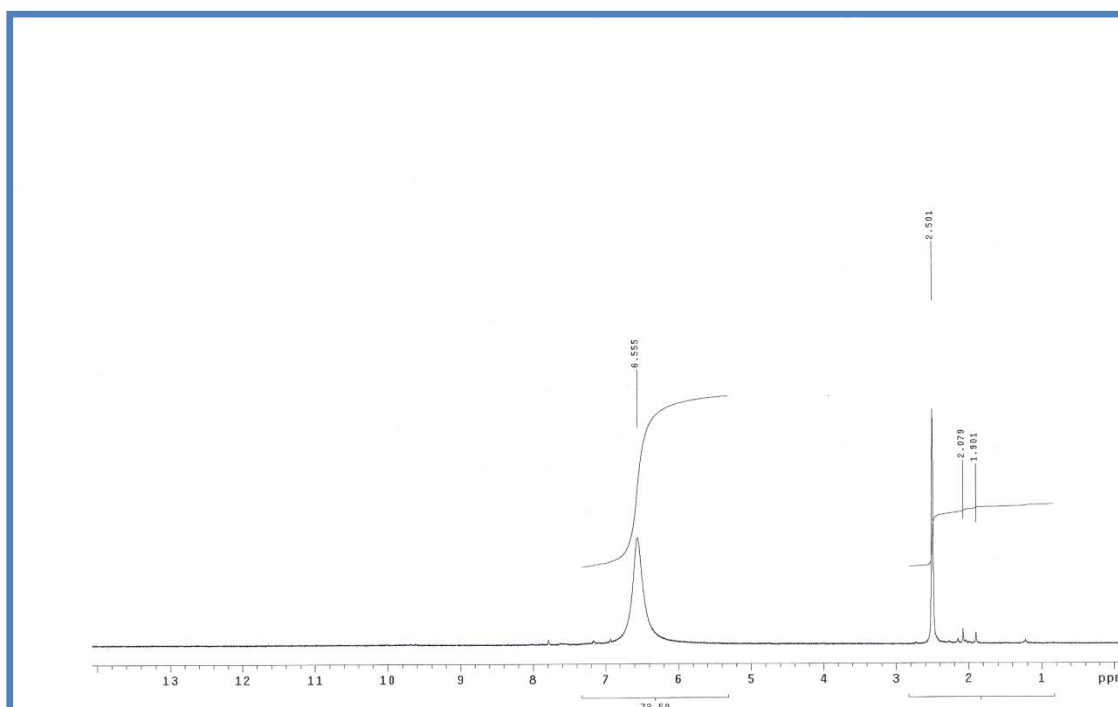


Fig.5.34. <sup>1</sup>H NMR spectra of 2, 5-dibromo-3, 6-di(4-(5-methoxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone) .(XII)

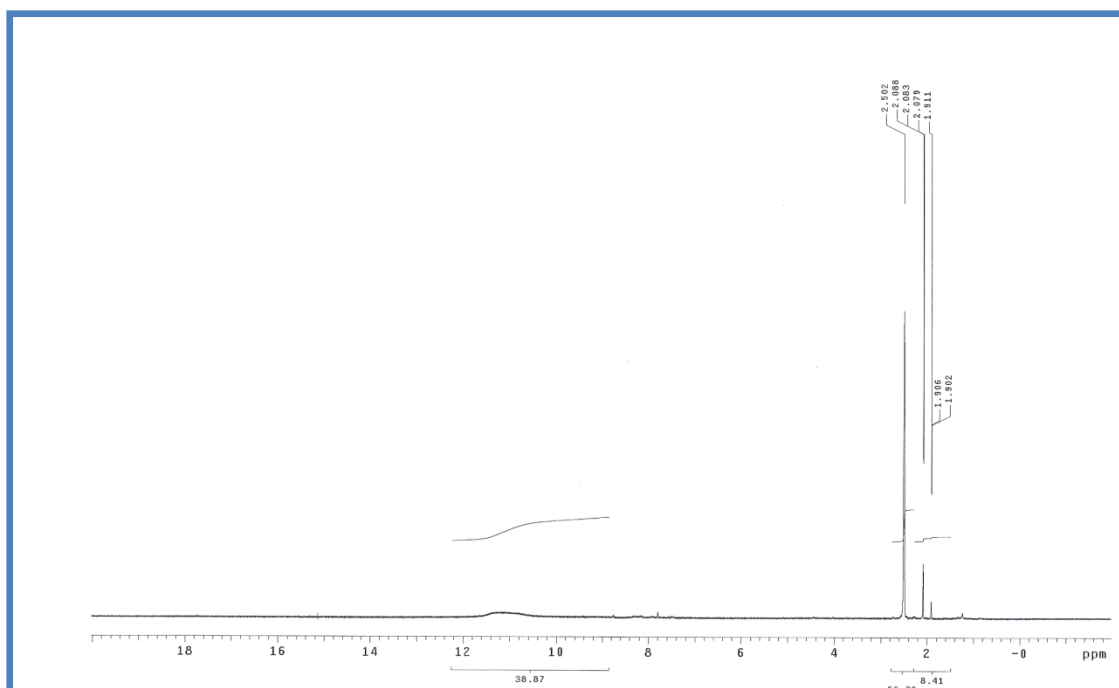


Fig.5.35. <sup>1</sup>H NMR spectra of 2, 5-dibromo-3, 6-di (4-(5-hydroxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XIII).

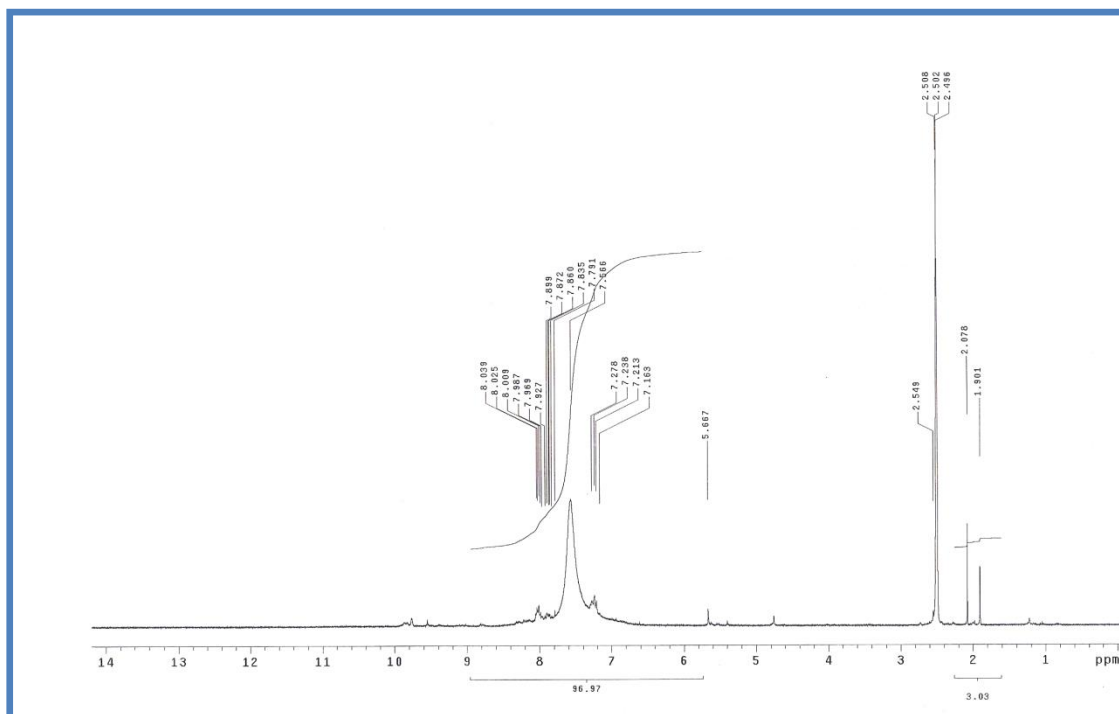


Fig.5.36. <sup>1</sup>H NMR spectra of 2,5-dibromo -3,6-diamino-(*p*-diacetylphenyl)-1,4-dione. (XIV)

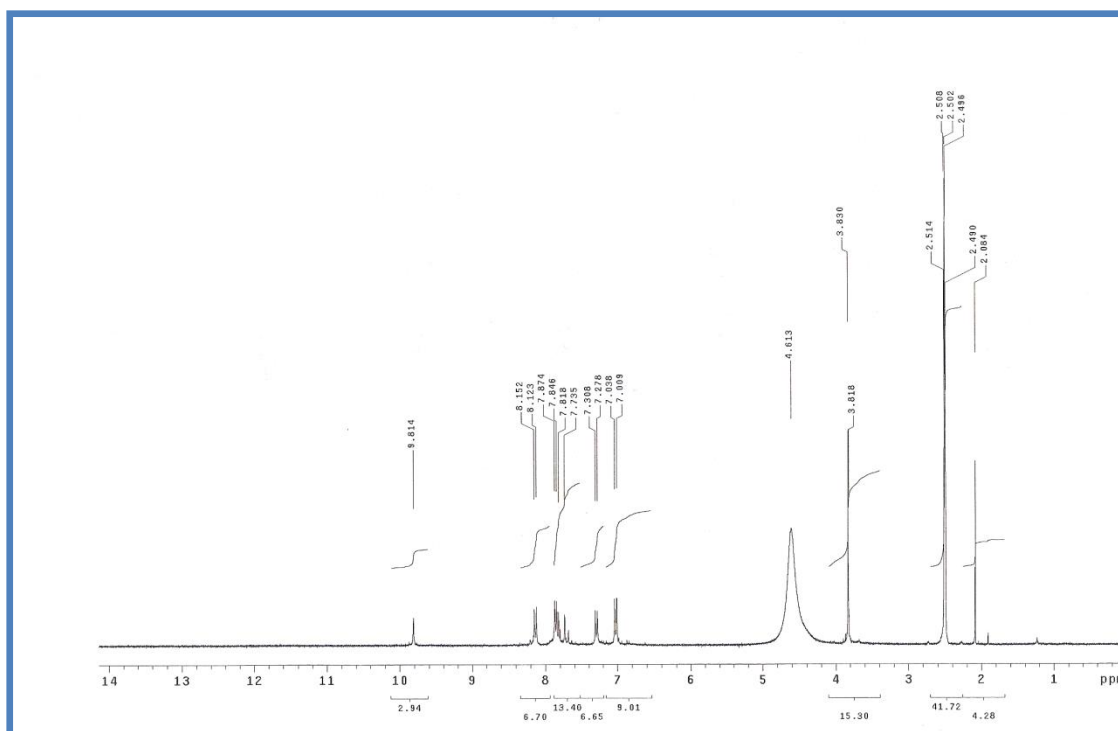


Fig.5.2.37. <sup>1</sup>H NMR spectra of 3-di-(4-methoxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one.(XVI)

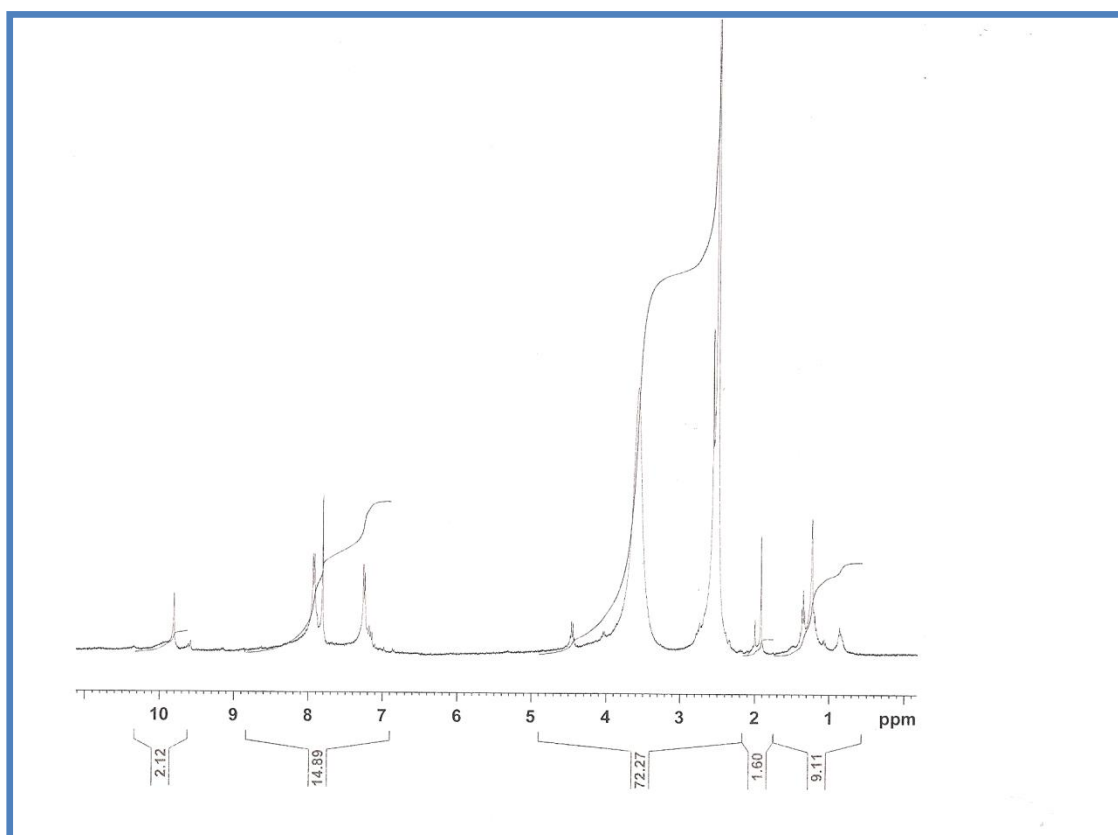


Fig.5.38. <sup>1</sup>H NMR spectra of 3-di(2-hydroxyphenyl)-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one.(XVII)

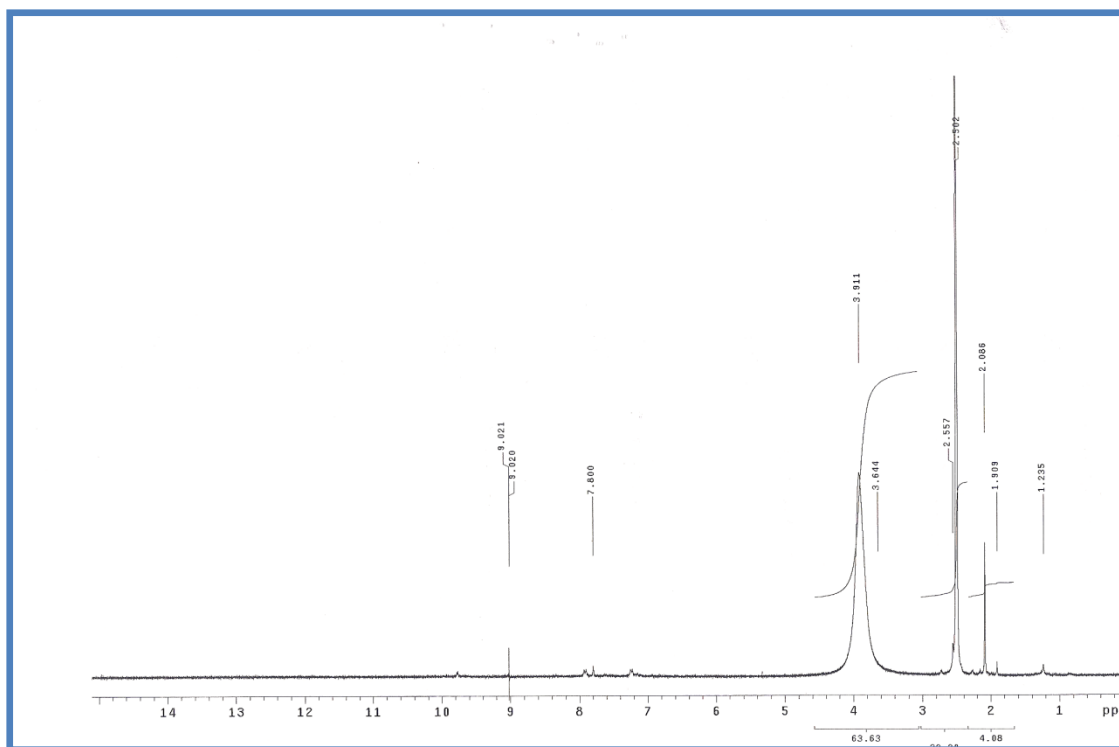


Fig.5.39.  $^1\text{H}$ NMR spectra of 3-difural-2,5-diamino-3,6-di(*p*-aminophenyl)-(prop-2-en)-1-one.(XVIII)

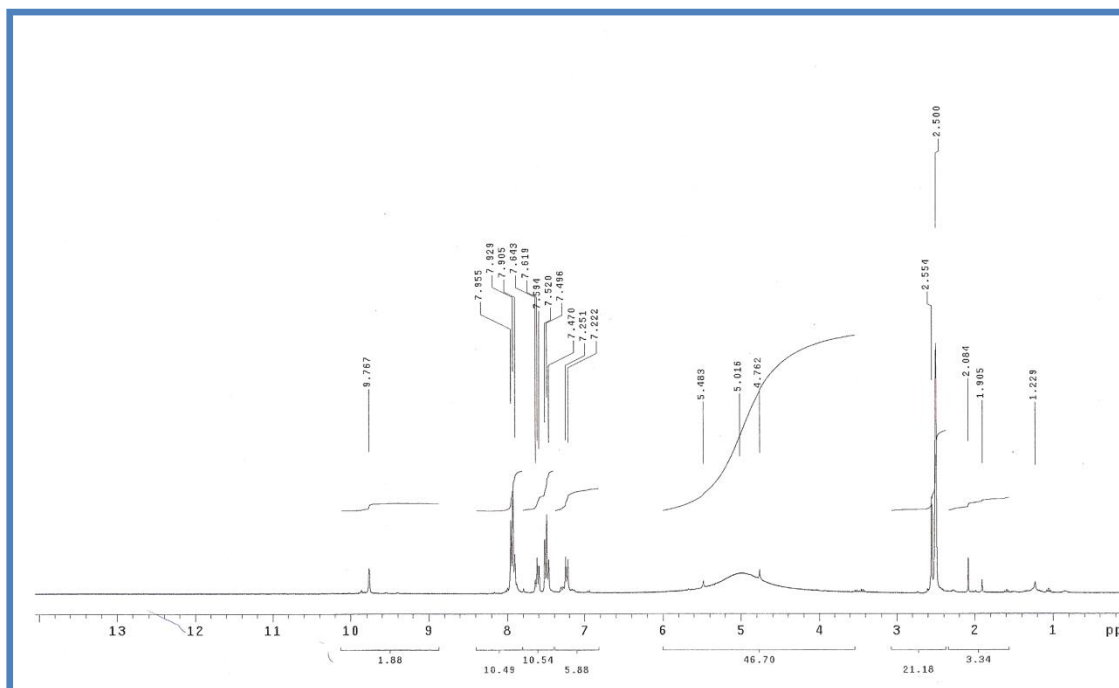


Fig.5.40.  $^1\text{H}$ NMR spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-diphenyl-1-one.(XIX)

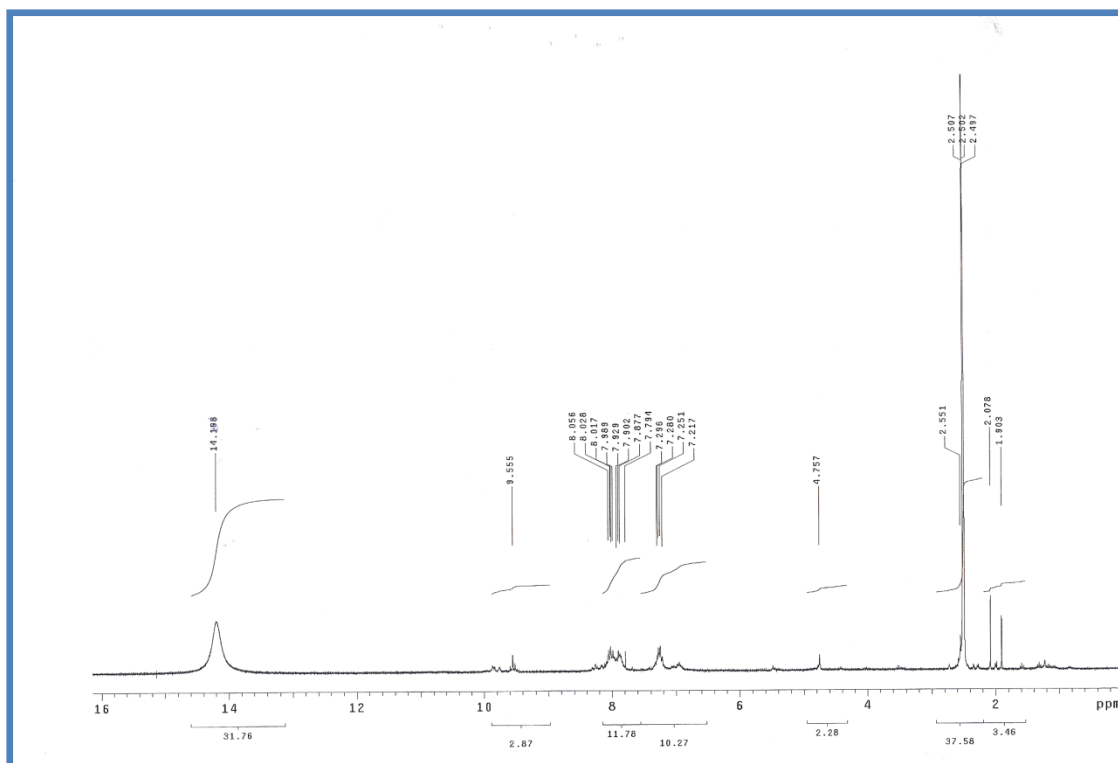


Fig.5.41. <sup>1</sup>H NMR spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-difural-1-one. (XX)

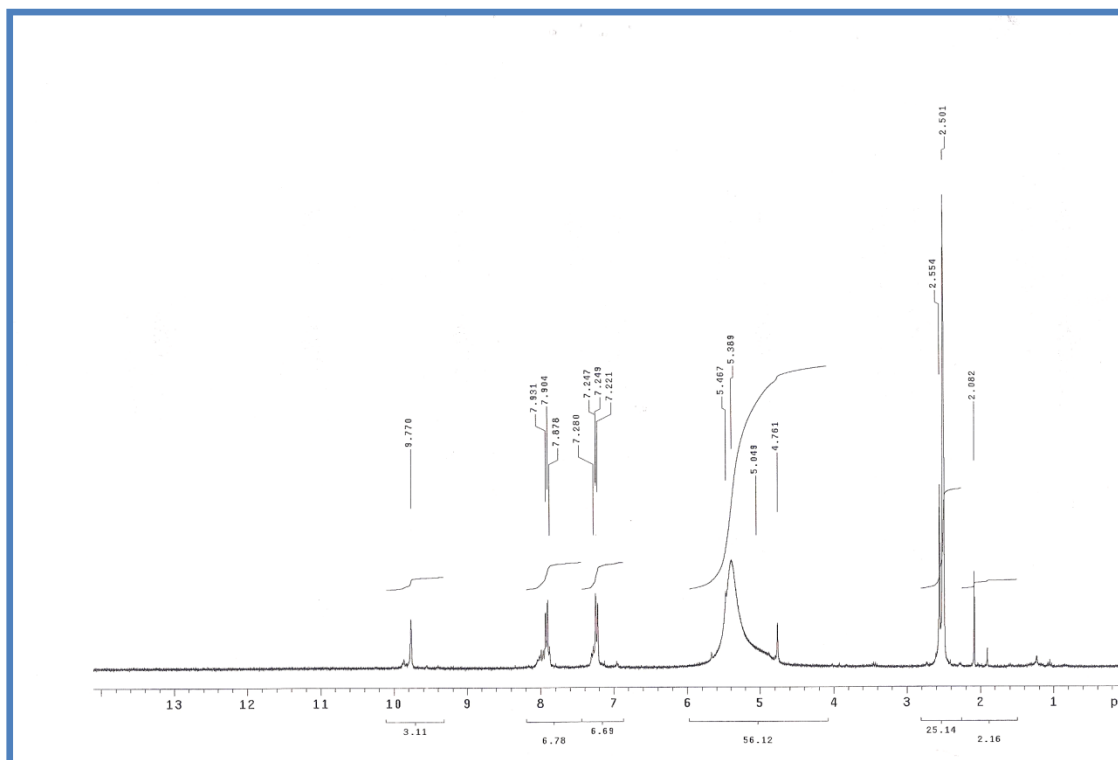


Fig.5.42. <sup>1</sup>H NMR spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-di(2-hydroxyphenyl)-1-one. (XXI)

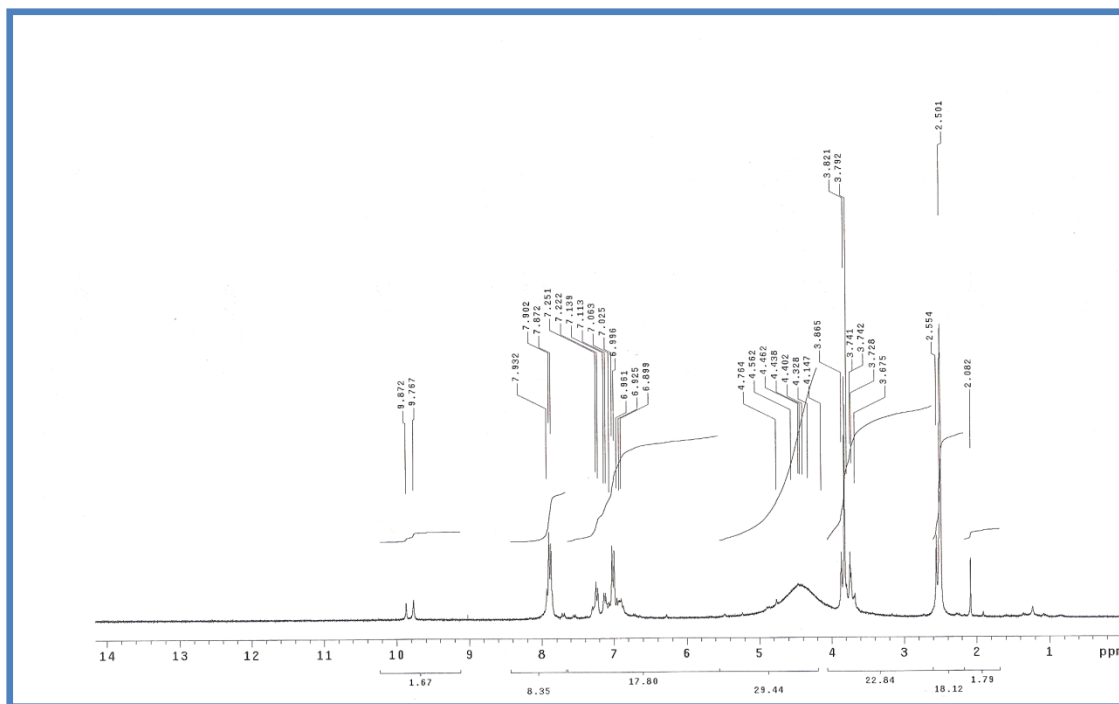


Fig.5.43.  $^1\text{H}$ NMR spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-di-(4-methoxyphenyl)-1-one.(XXII)

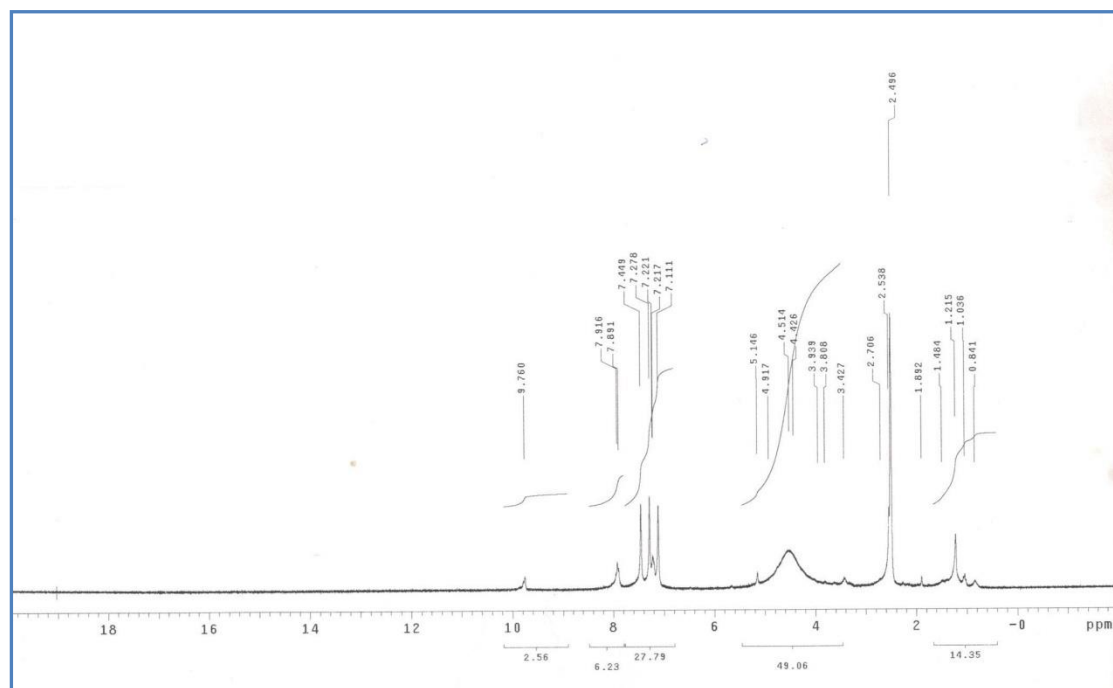


Fig.5.44. MS. spectra of 2,5-dibromo-3,6-di(4-(5-phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(X).

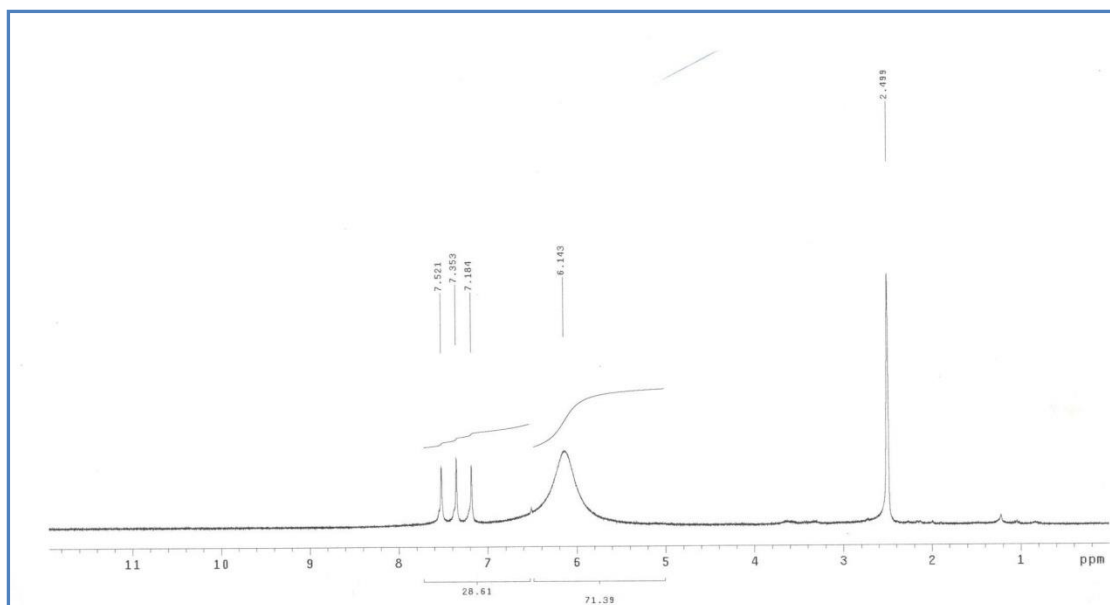


Fig. 5.45. MS. spectra of 2, 5-dibromo-3, 6-di(4-(5-fural-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XI).

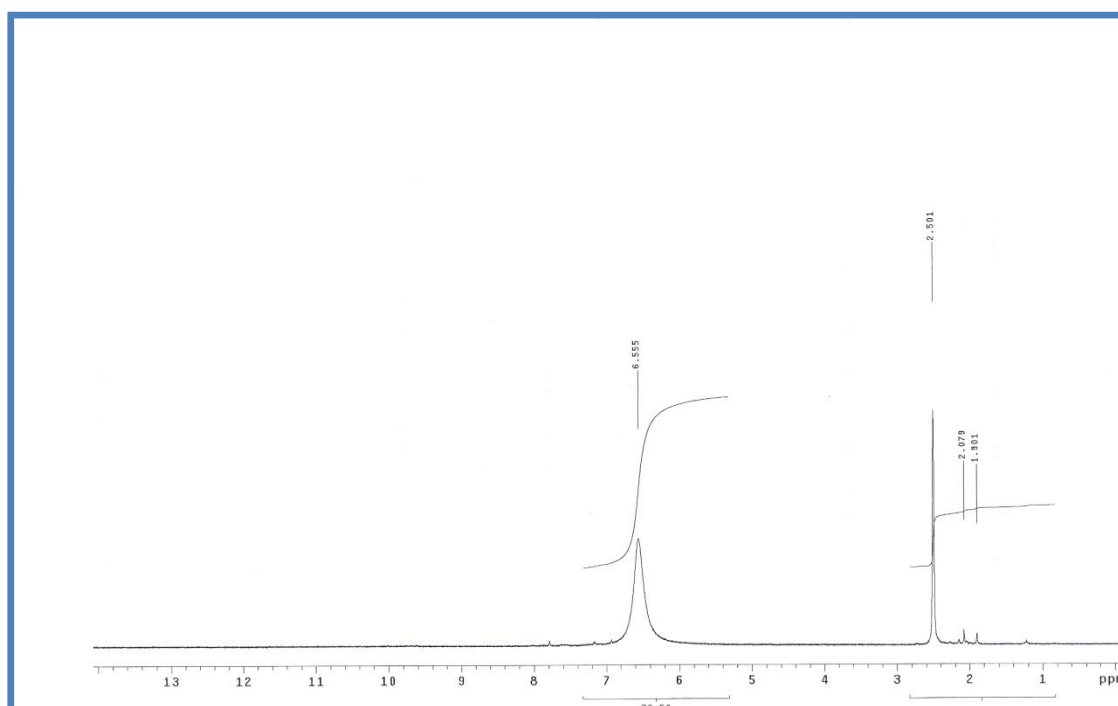


Fig.5.46. MS. spectra of 2, 5-dibromo-3, 6-di(4-(5-methoxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XII).



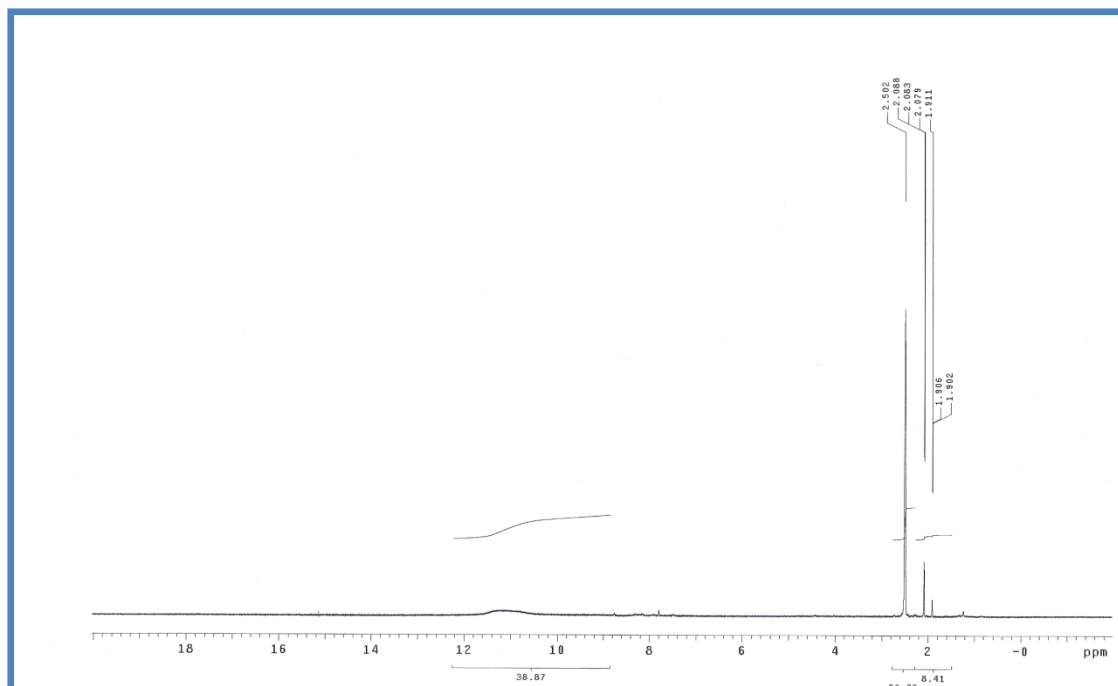


Fig.5.47. MS. spectra of 2, 5-dibromo-3, 6-di(4-(5-hydroxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XIII).

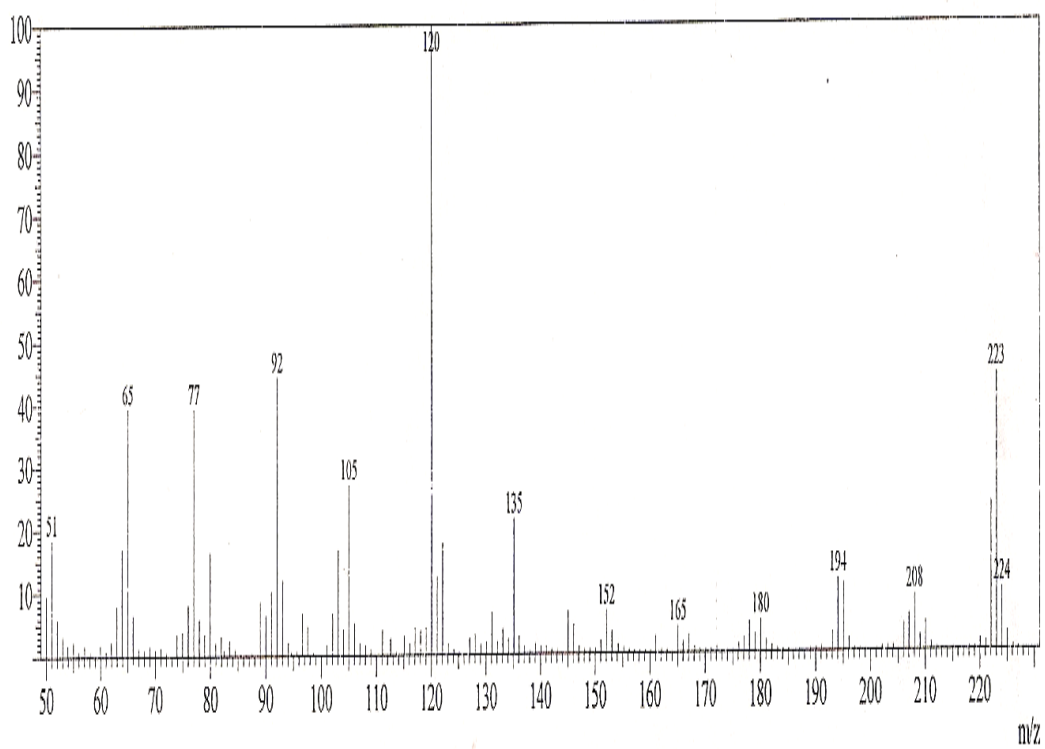


Fig.5.48.MS spectra of synthesis of 4-aminophenyl (prop-2-en) 3-phenyl-1-one(II).

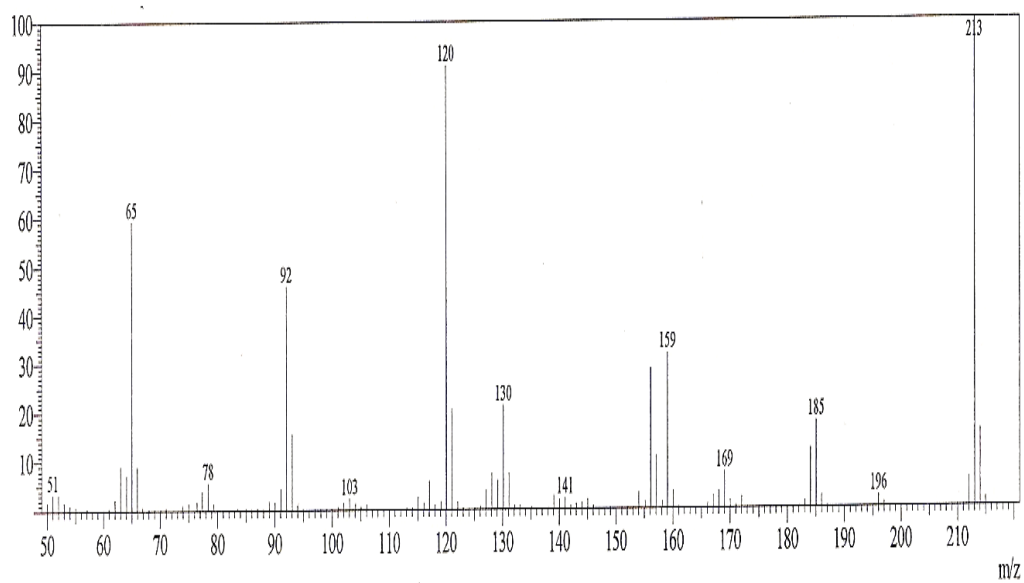


Fig.5.49.MS.spectra of synthesis of of 4-aminophenyl (prop-2-en) 3-fural-1-one.(III).

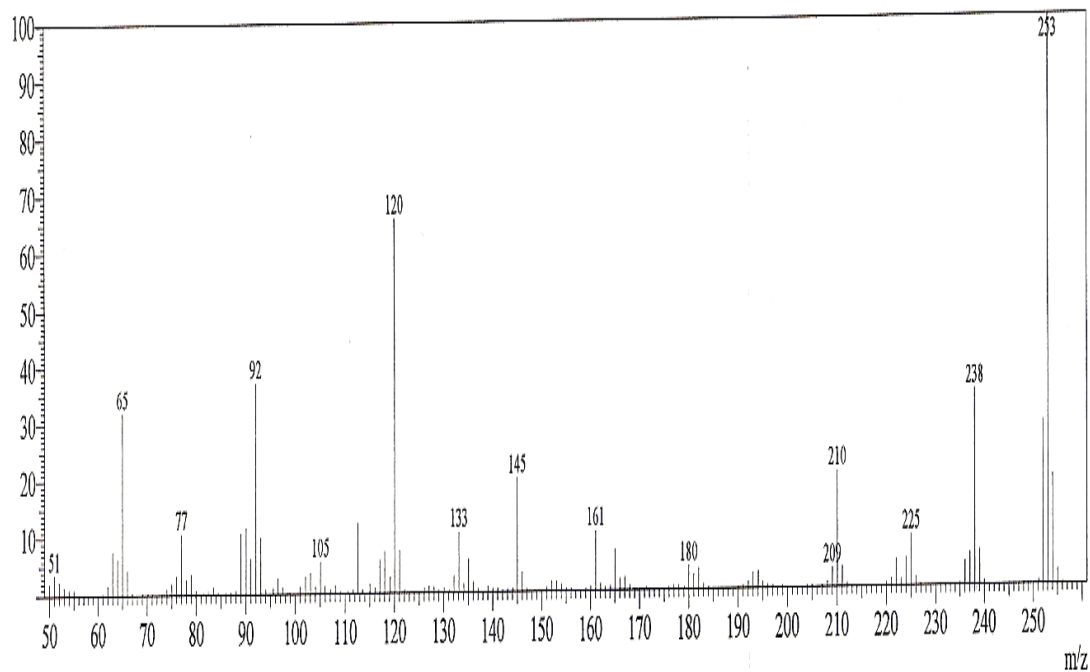


Fig.5.50.MS.spectra of synthesis of of 4-aminophenyl (prop-2-en) 3-(4-methoxyphenyl)-1-one.(IV)

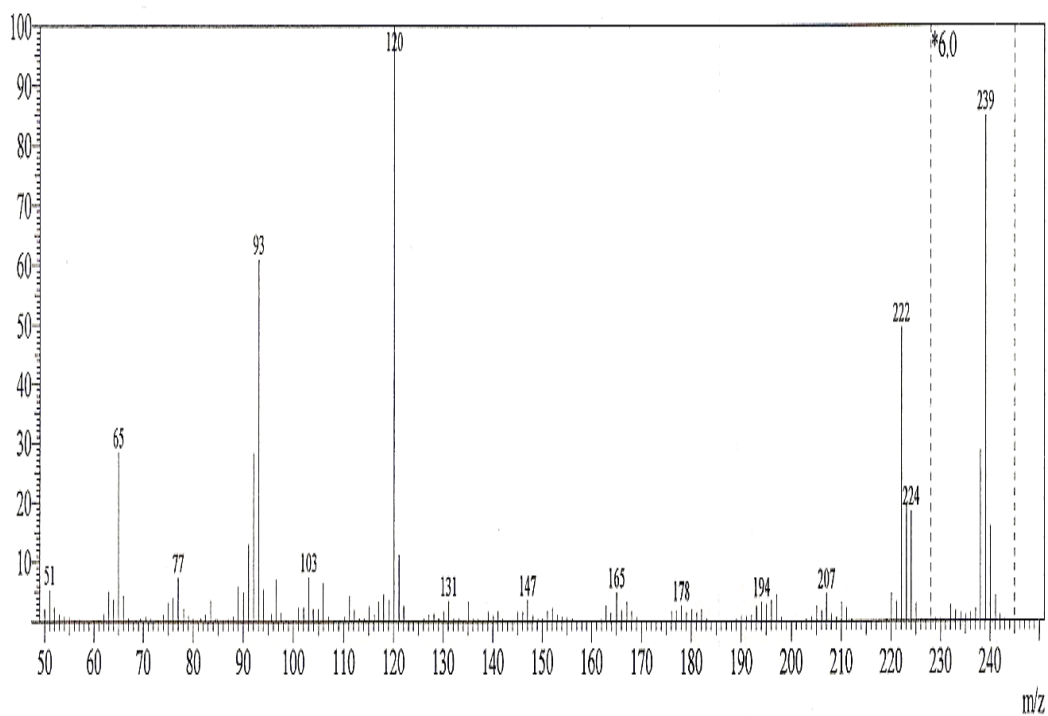


Fig.5.51.M.S.spectra of synthesis of of 4-aminophenyl (prop-2-en) 3-(2-hydroxyphenyl)-1-one.(V)

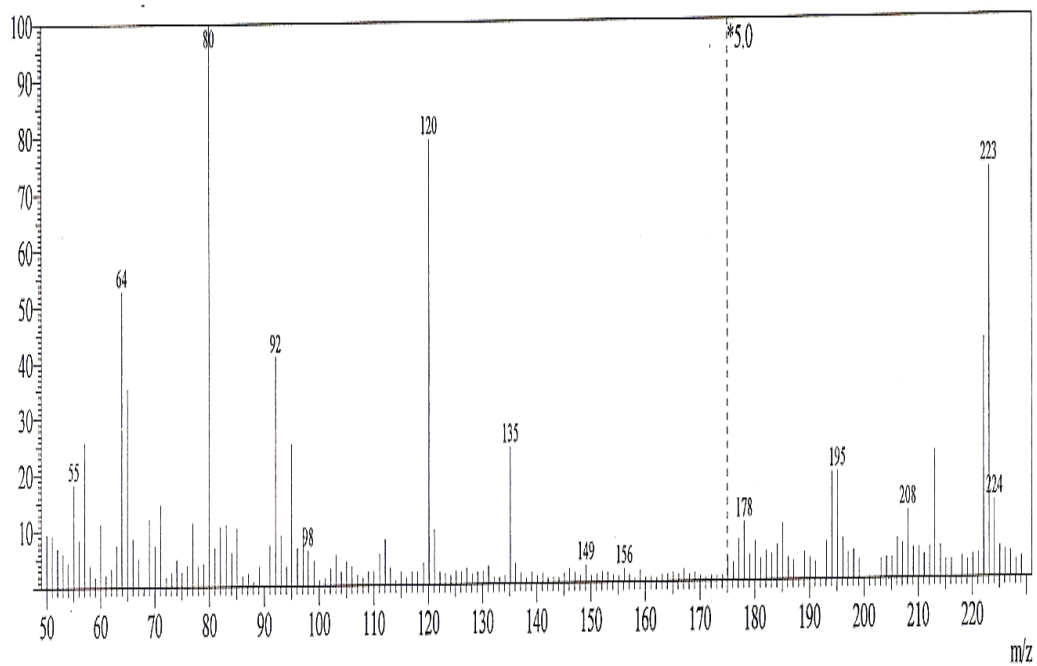


Fig.5.51.MS.spectra of synthesis of 5-fural-3(*p*-aminophenyl)-1,2-oxazole.(VI)

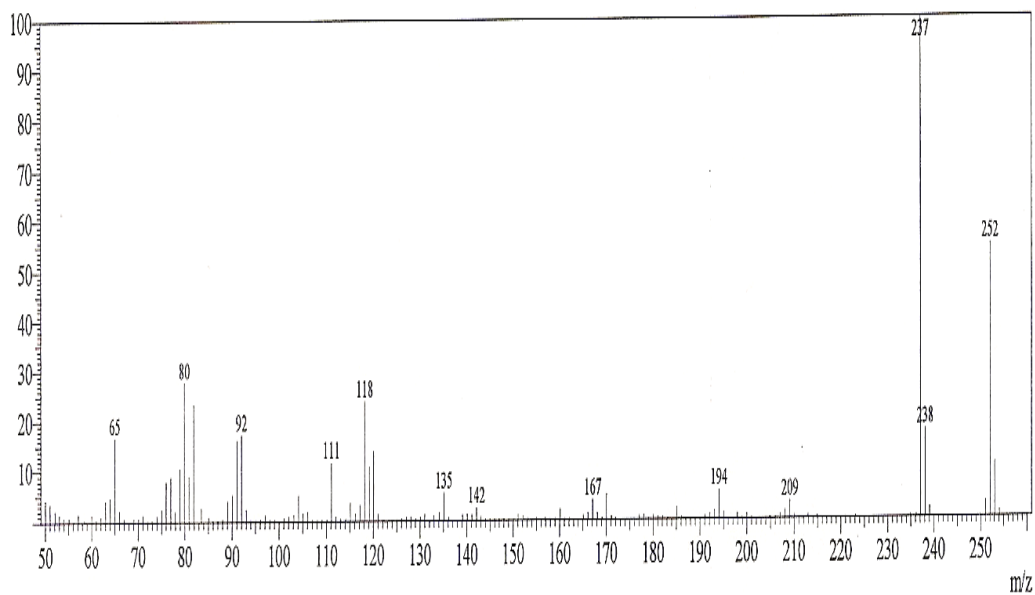


Fig.5.52.MS.spectra of synthesis of 5-phenol-3(*p*-aminophenyl)-1,2-oxazole.VII)

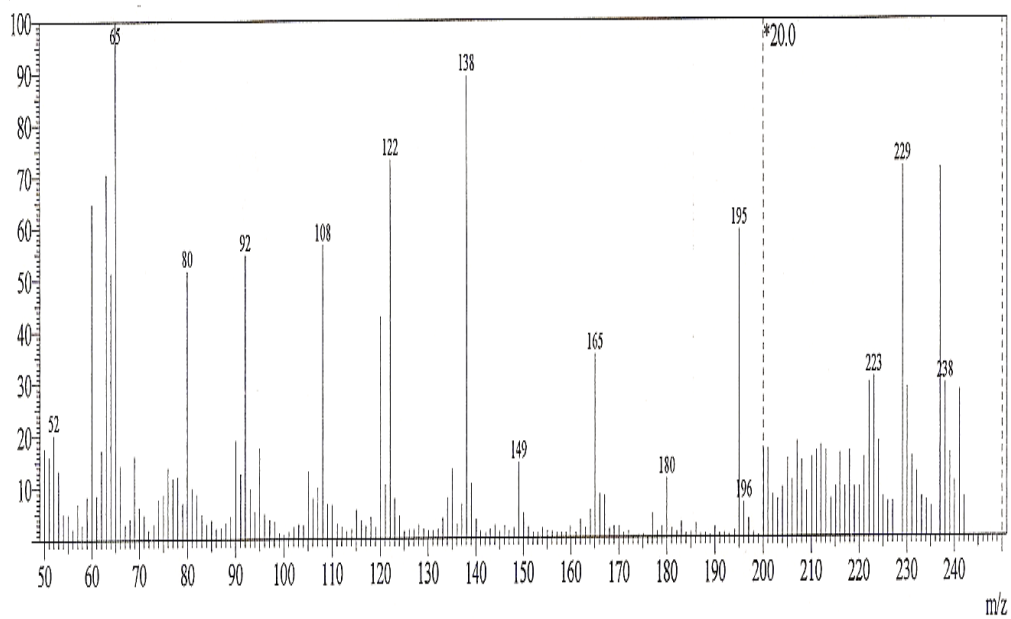


Fig.5.53.MS.spectra of synthesis of of 5-phenyl-3(*p*-aminophenyl)-1,2-oxazole.(VIII)

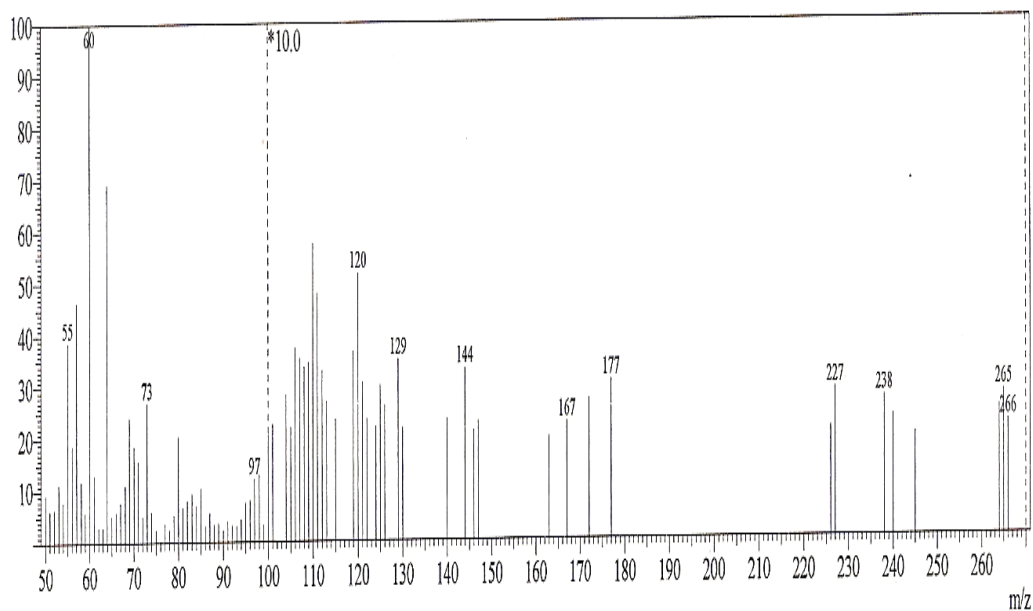


Fig 5.53.MS.spectra of synthesis of 5-(4-methoxyphenyl)-3(*p*-aminophenyl)-1,2-isoxazole.(IX)

1

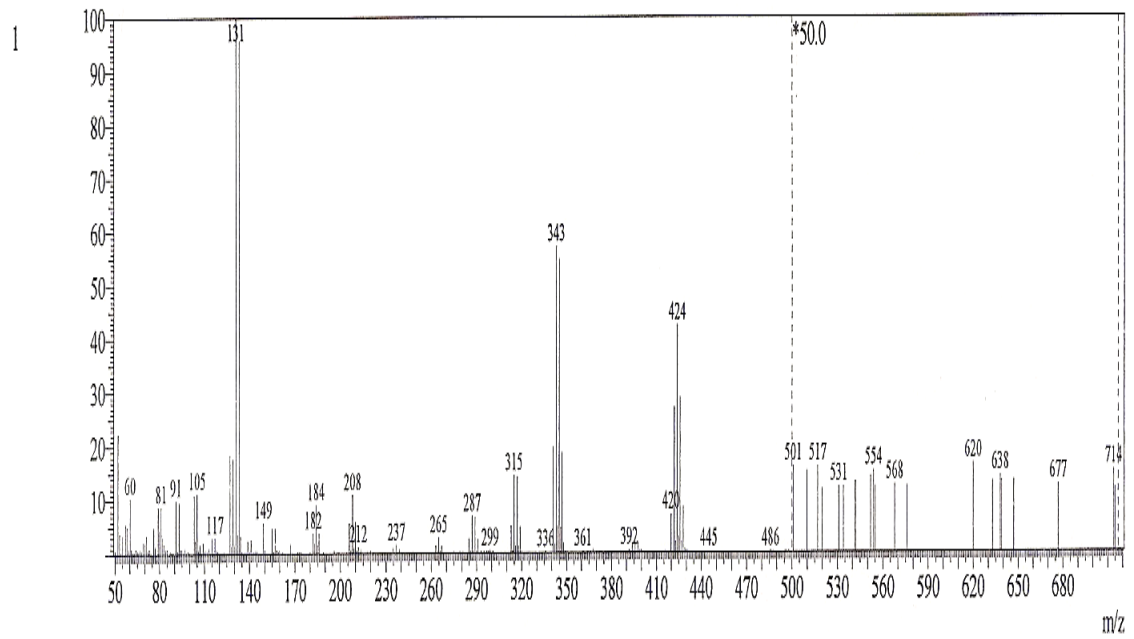


Fig.5.54 MS. Spectra of synthesis of 2, 5-dibromo-3, 6-diisoxazolyl-di (5-phenyl),1,4-Benzoquinone.(X).

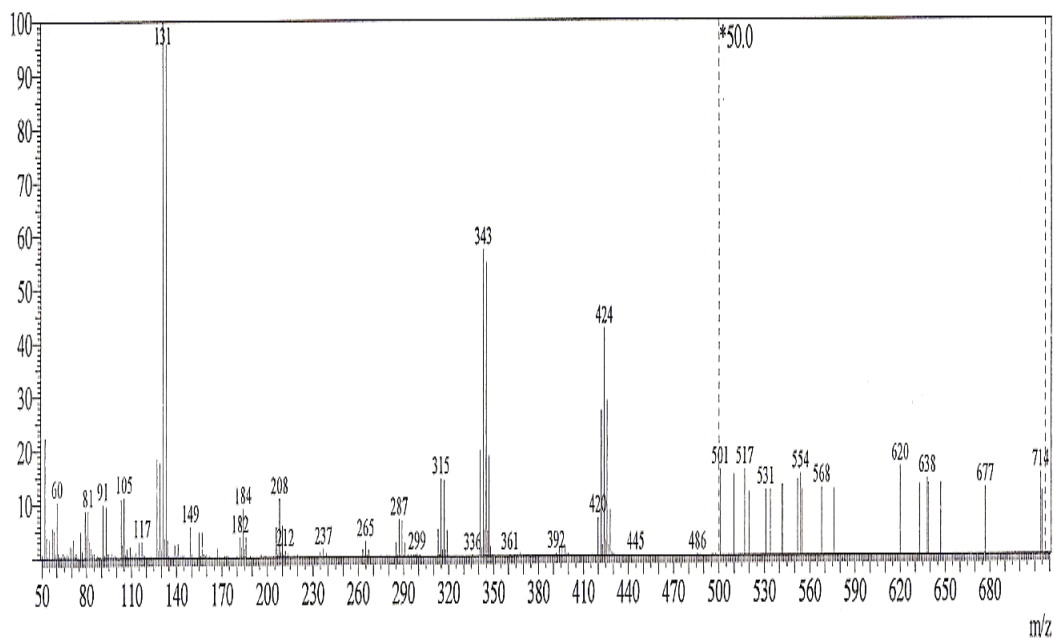


Fig.5.55 MS. Spectra of synthesis of 2, 5-dibromo-3, 6-diisoxazolyl-di (5-fural), 1, 4-benzoquinone.(XI)

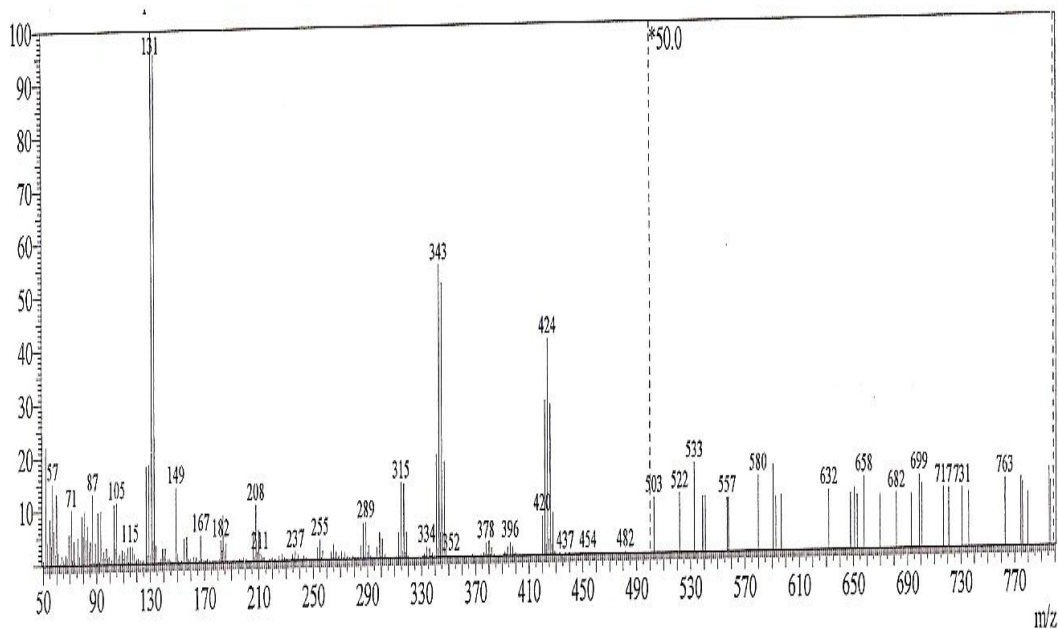


Fig.5.56 MS. spectra of synthesis of of 2, 5-dibromo-3, 6-diisoxazolyl-di [5-(4-methoxy phenyl)], 1, 4-benzoquinone.(XII)

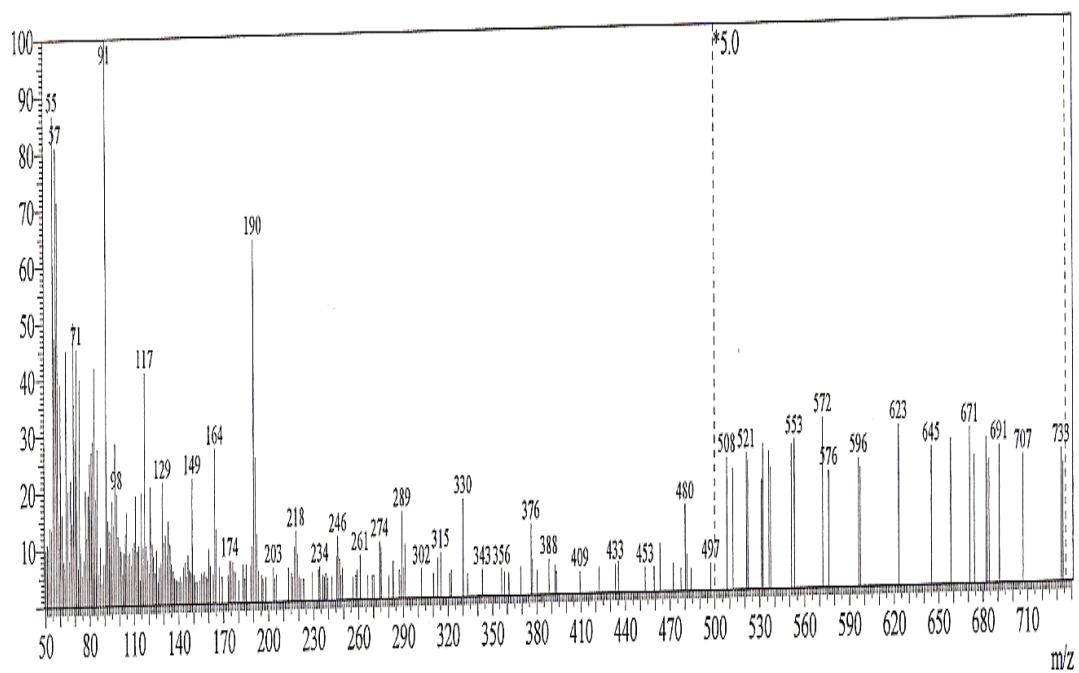


Fig.5.57 MS. Spectra of synthesis of of 2, 5-dibromo-3, 6-diisoxazolyl-di [5-(2-hydroxy phenyl)], 1, 4-benzoquinone.(XIII)



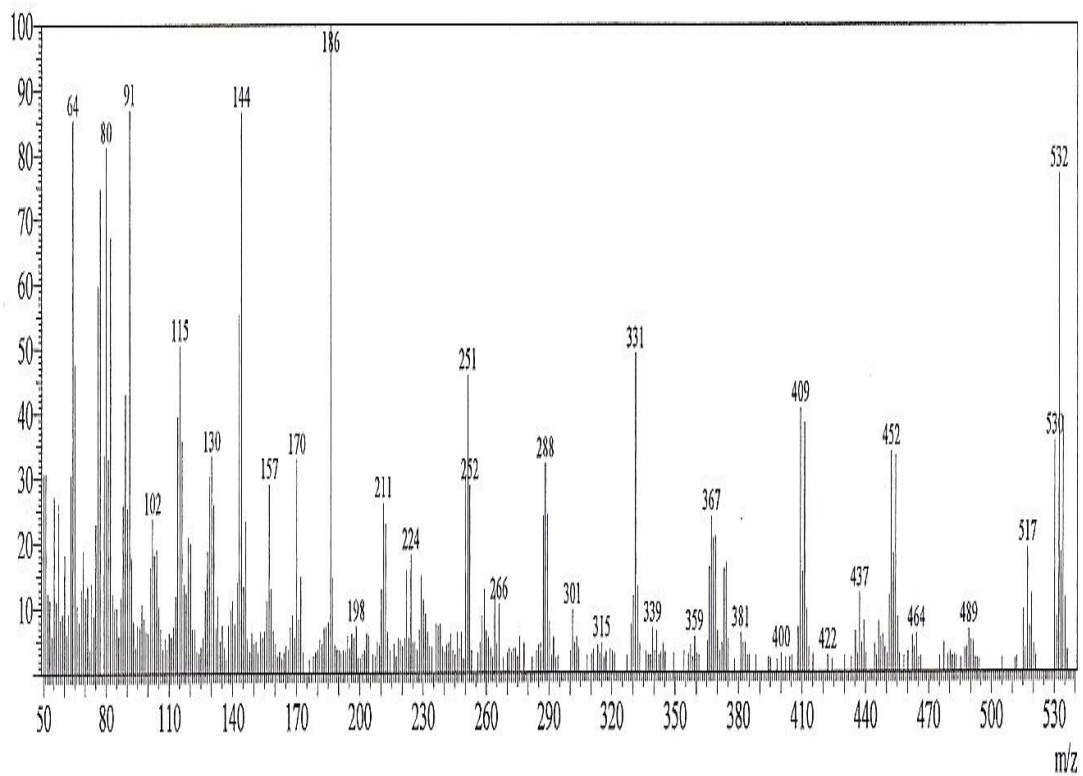


Fig.5.57 MS. Spectra of synthesis of 2,5-dibromo-3,6-diamino-(*p*-diacetylphenyl)-1,4-dione.(XIV)

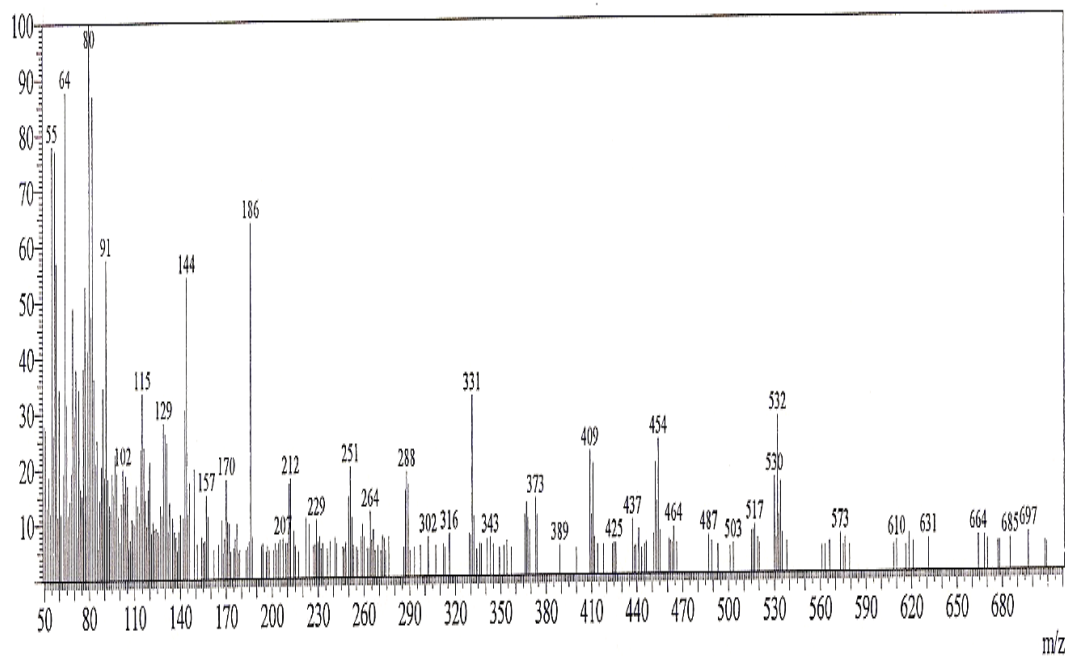


Fig.5.58 MS. Spectra of synthesis of 2,5-diamino-3,6-diaminophenyl (prop-2-en)-3-diphenyl-1-one.(XV)

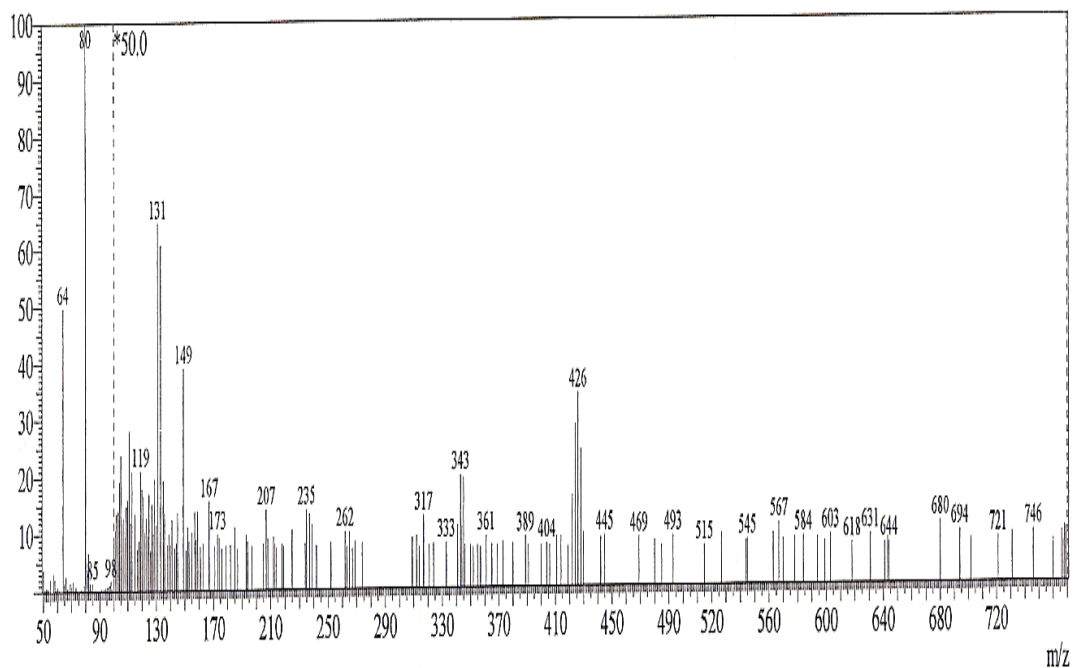


Fig.5.59 MS spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-difural-1-one.(XVI).

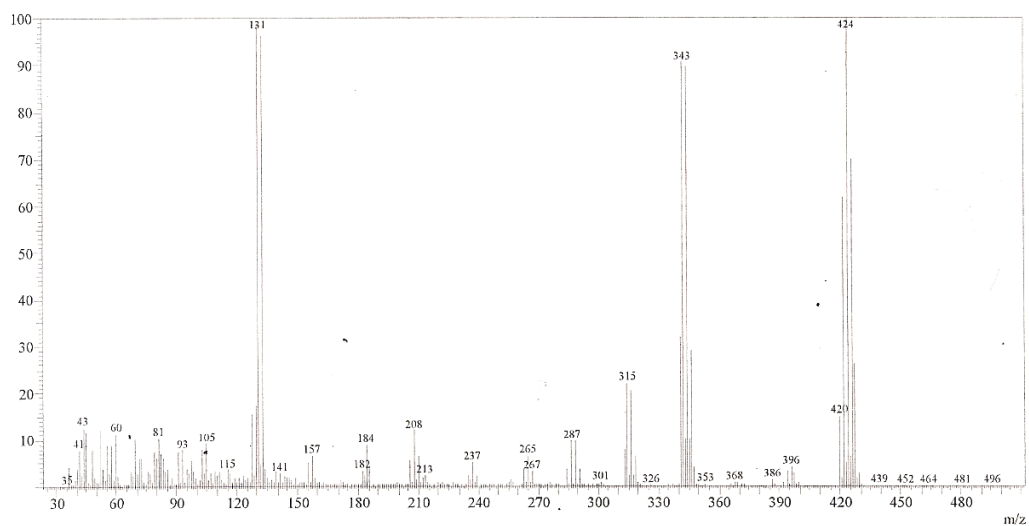


Fig.5.60 MS. Spectra of synthesis of 2, 5-diamino-3,6-diaminophenyl(prop-2-en)-3-di(2-hydroxyphenyl)-1-one.(XVII).

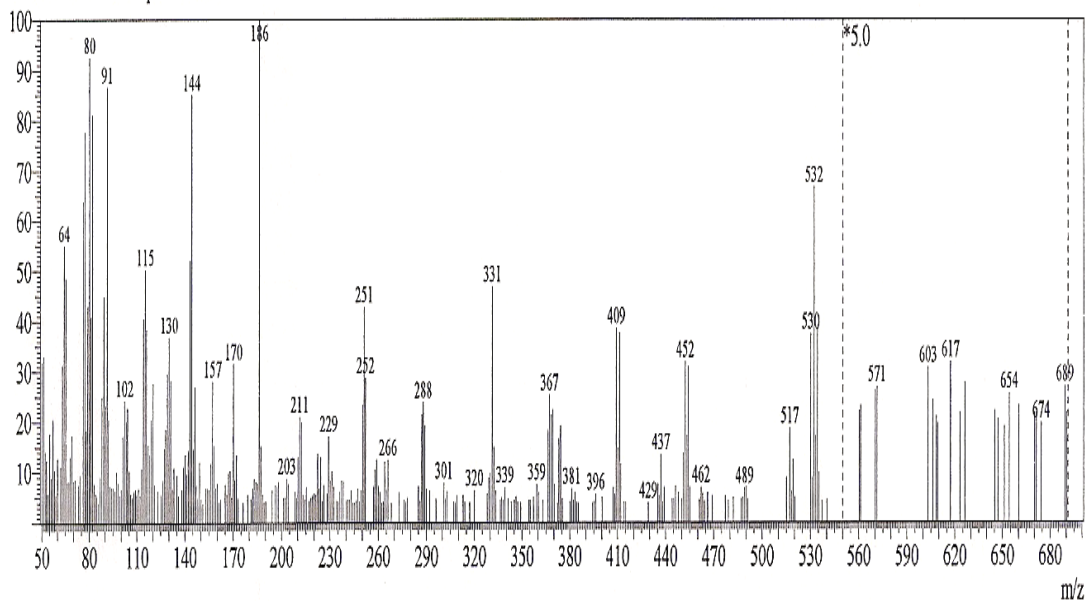


Fig.5.61 MS. Spectra of synthesis of 2, 5-diamino-3,6-diaminophenyl(prop-2-en)-3-di-(4-methoxyphenyl)-1-one.(XVIII).

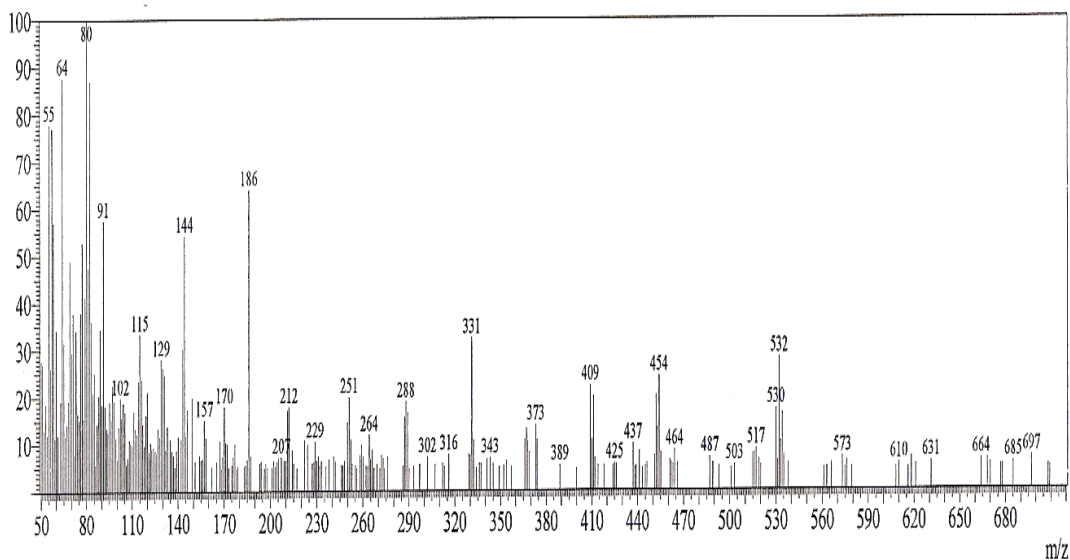


Fig.5.61 MS. Spectra of synthesis of of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-diphenyl-1-one.(XIX).

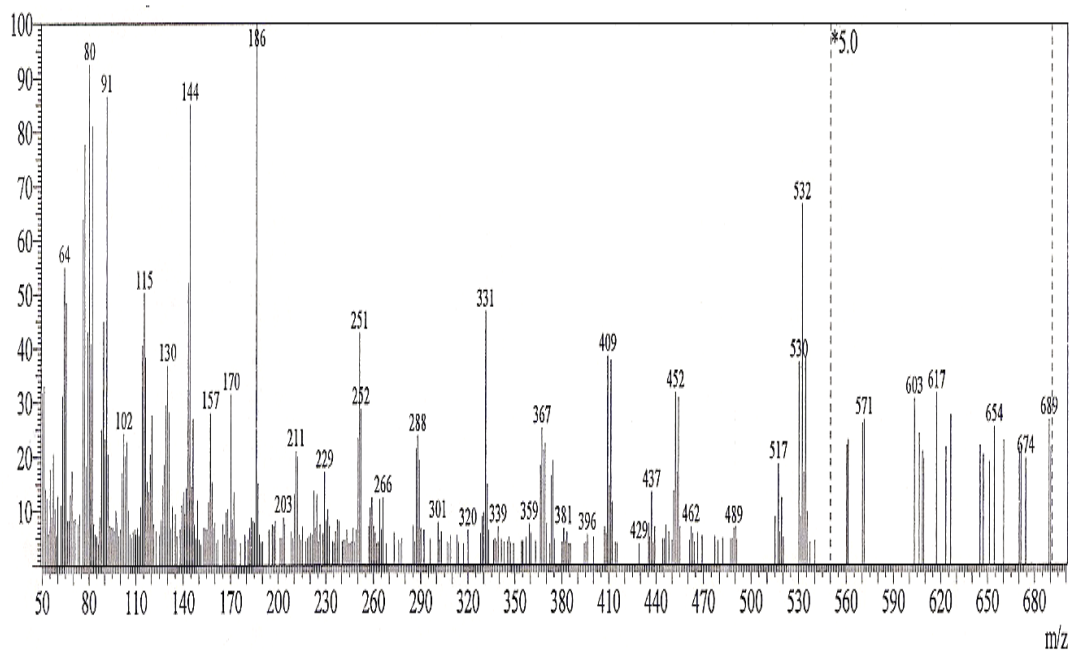


Fig.5.62 MS spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-difural-1-one.( XX)

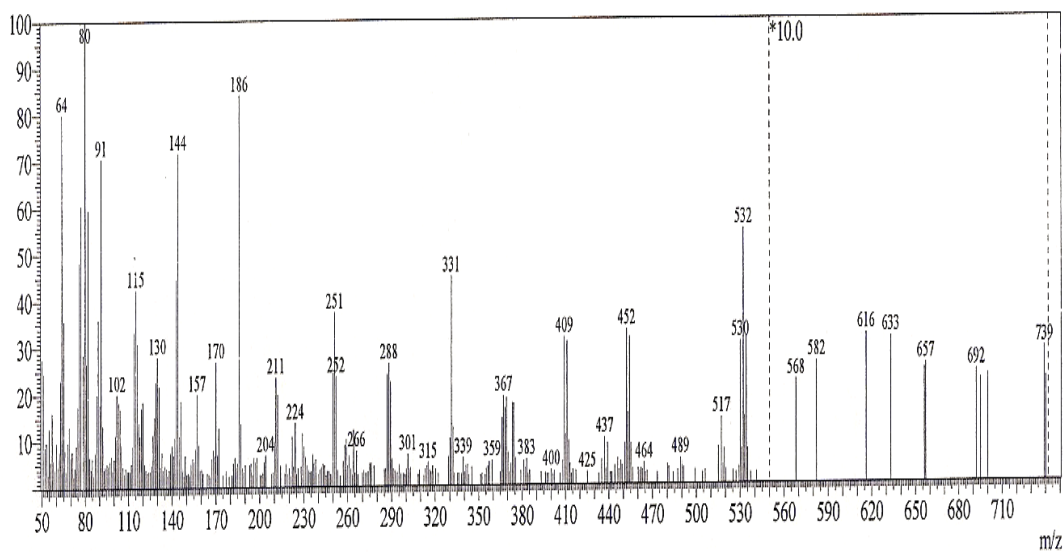


Fig.5.63 MS spectra of synthesis of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-3-di(2-hydroxyphenyl)-1-one.(XXI).

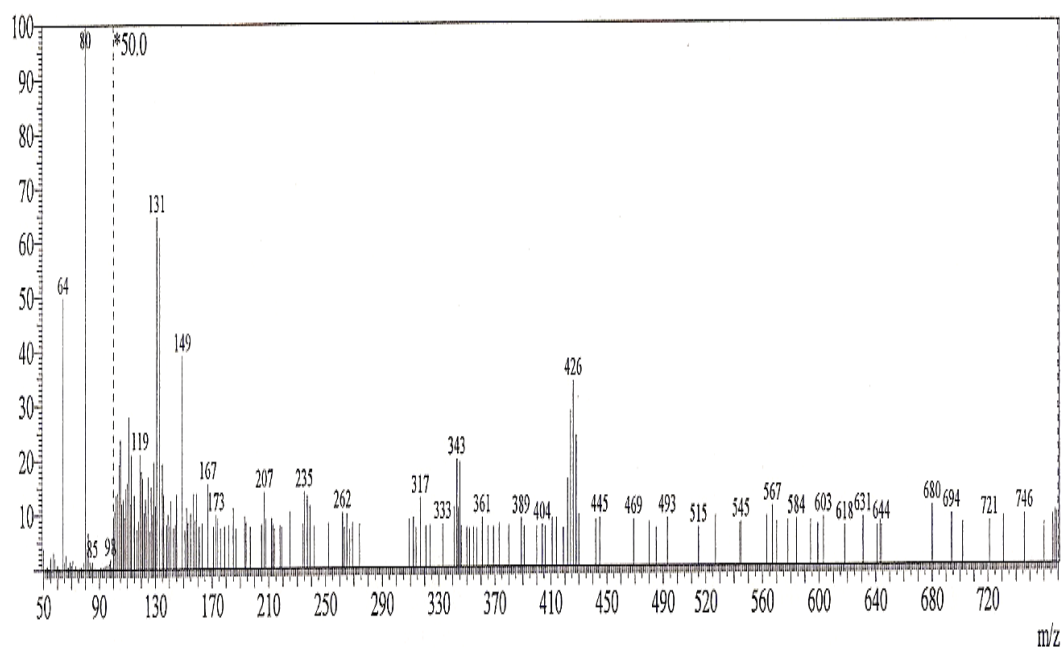


Fig.5.64 MS spectra of synthesis of of 2,5-diamino-3,6-diaminophenyl(prop-2-en)-di-(4-methoxyphenyl)-1-one.(XXII)

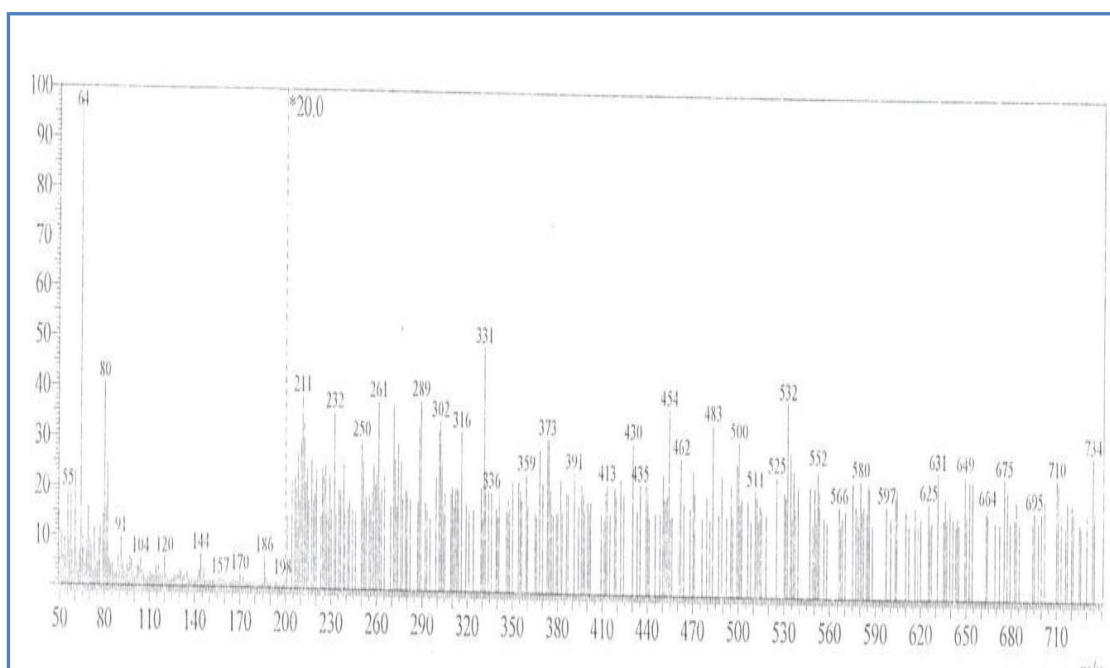


Fig.5.65. MS. spectra of 2, 5-dibromo-3, 6-di(4-(5-phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(X).

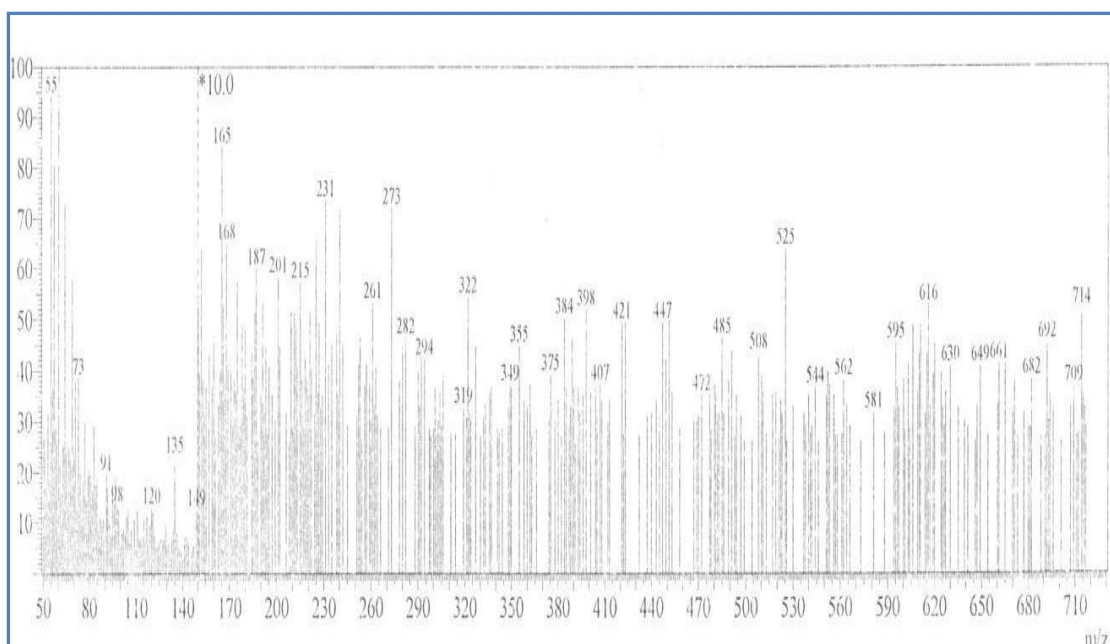


Fig.5.65.MS.spectra of 2, 5-dibromo-3, 6-di(4-(5-fural-3-diisoxazolyl-amino)phenyl)-1,4-benzoquinone).(XI)

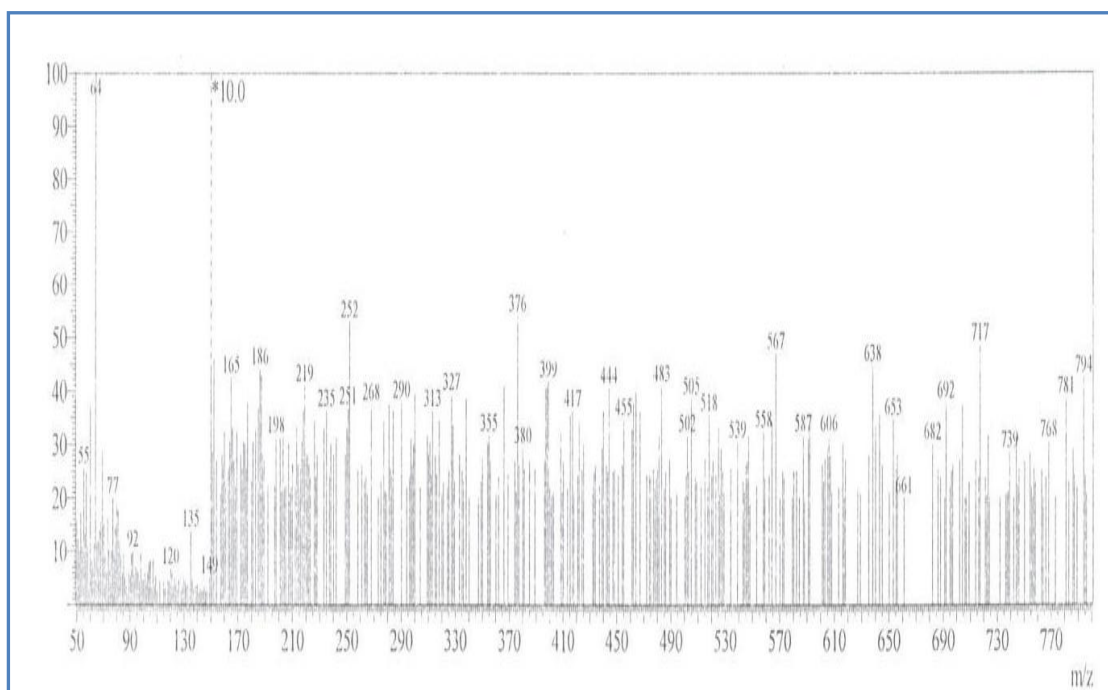


Fig.5.66.MS.spectra of 2, 5-dibromo--3, 6-di(4-(5-methoxy phenyl-3-diisoxazolyl-amino)phenyl)-1,4-benzoquinone).(XII).

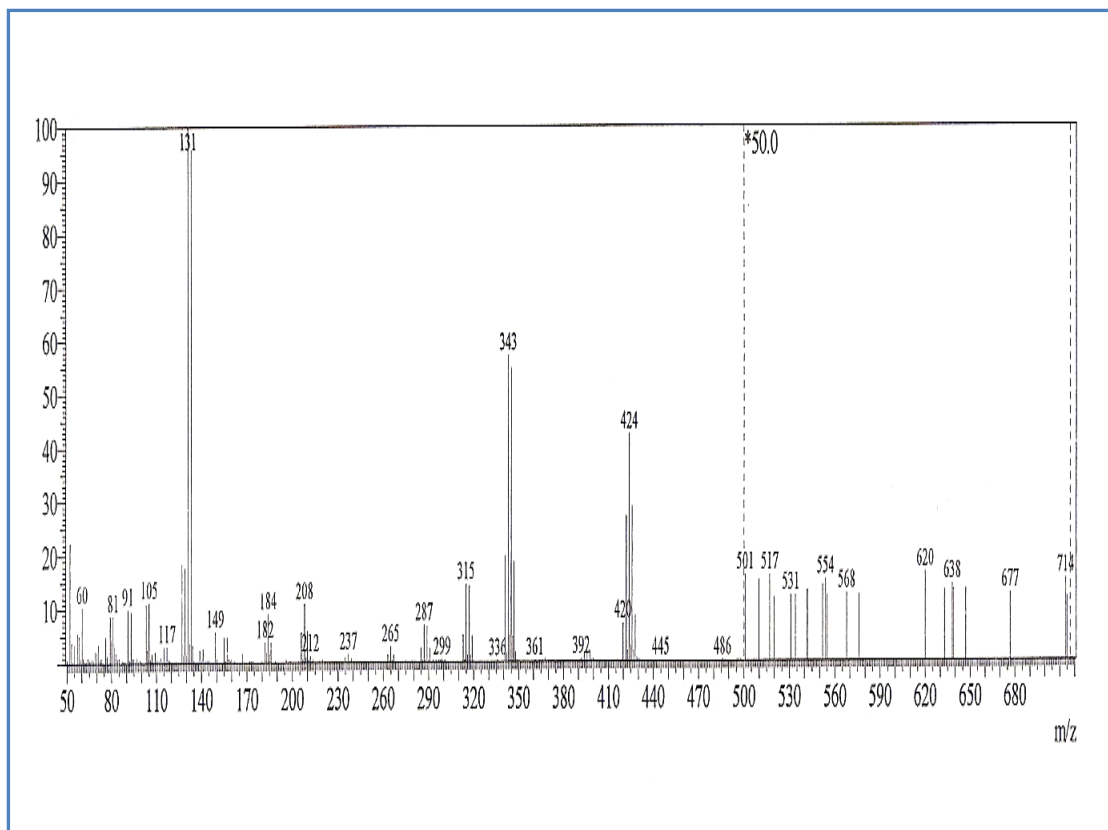


Fig.5.67.MS.spectra of 2, 5-dibromo-3, 6-di(4-(5-hydroxy phenyl-3-diisoxazolyl-amino phenyl)-1,4-benzoquinone).(XIII).