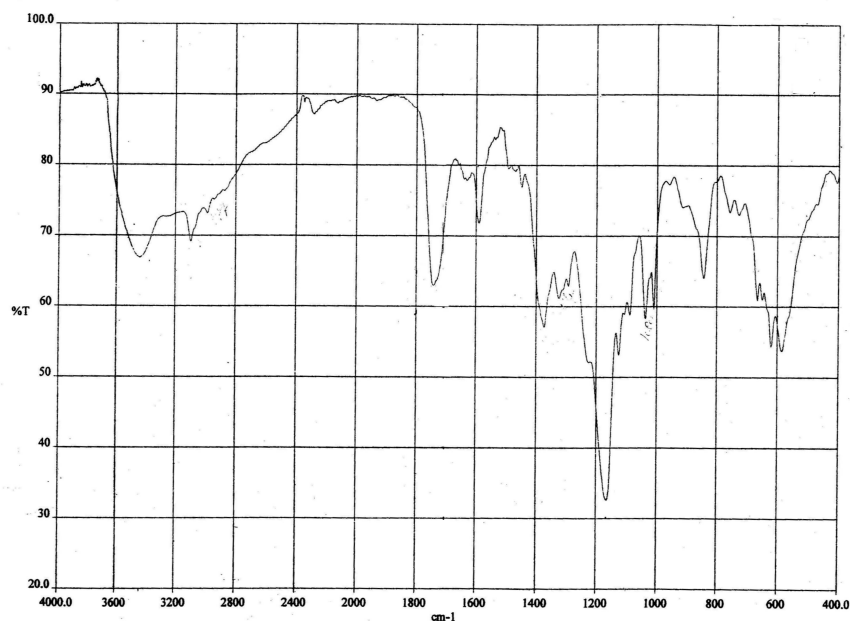
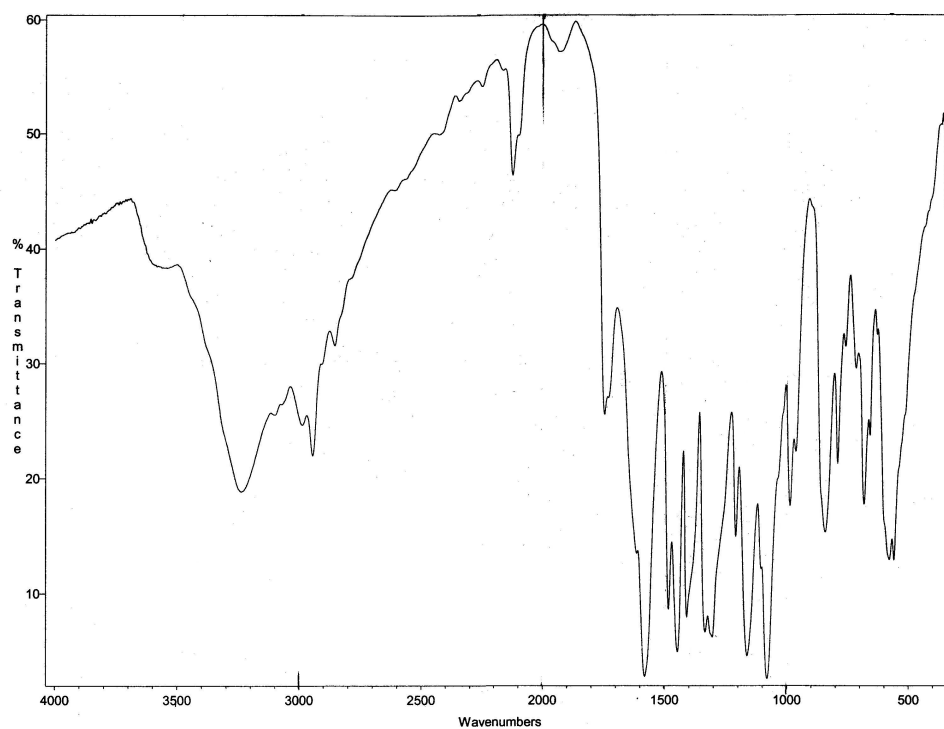
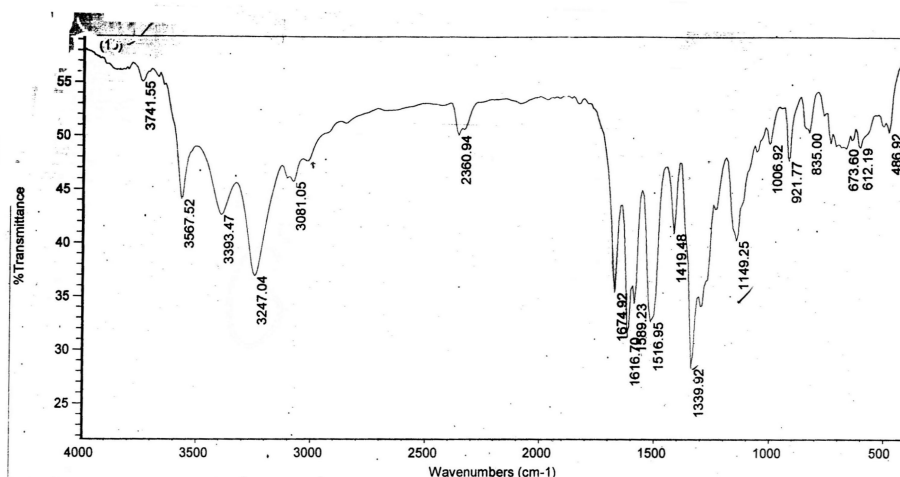




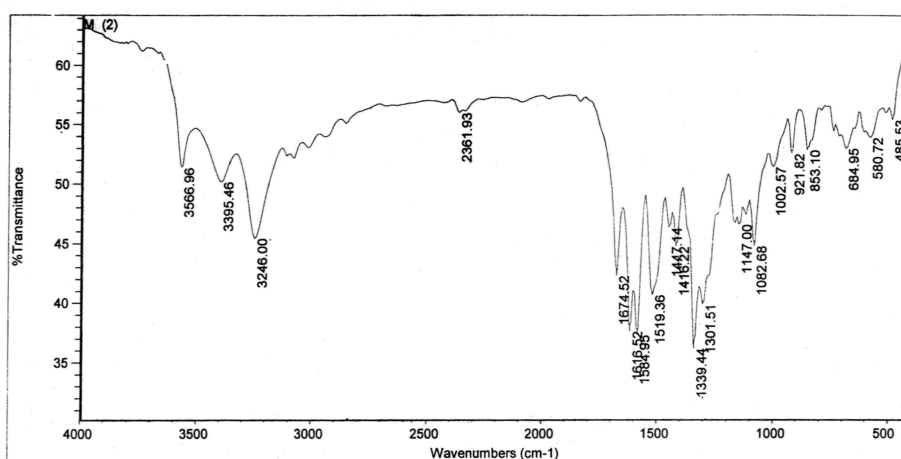
Appendix 3-1: IR spectrum of 2-diethylmalonateazo-4-sulphanilamide I



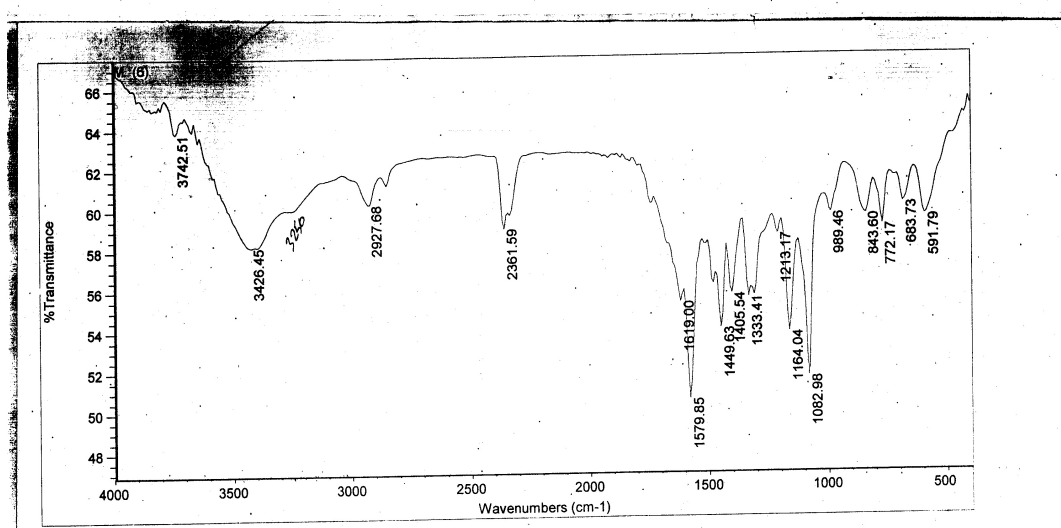
Appendix 3-2: IR spectrum of 2-diethylmalonateazo-sulphadoxine V



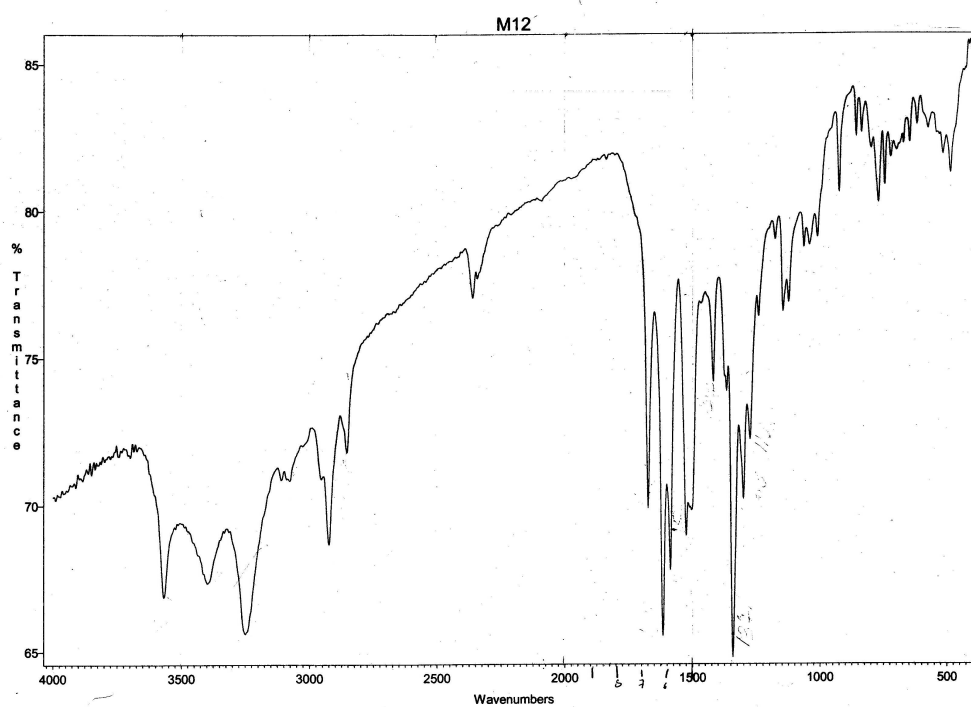
Appendix 3-3: IR spectrum of 2-diethylmalonate azo-4-amino salicylic acid X



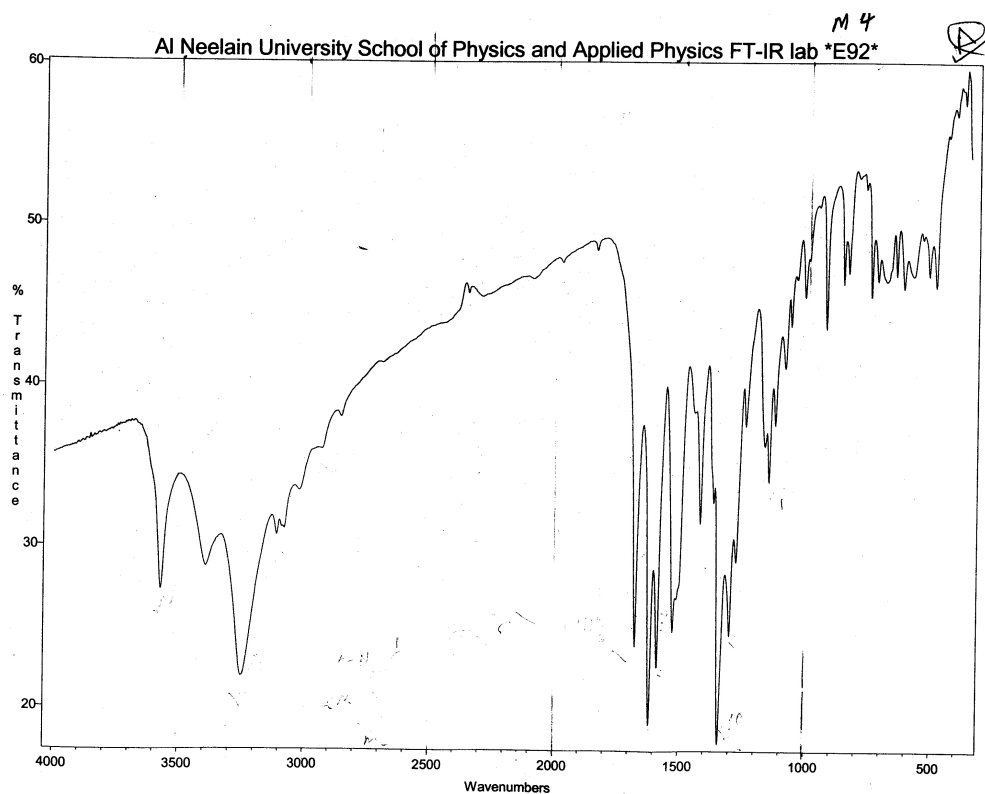
Appendix 3- 4: IR spectrum of 1-(4-carboxypyridine pyrazol-3,5-dione) azo-sulphanilamide II



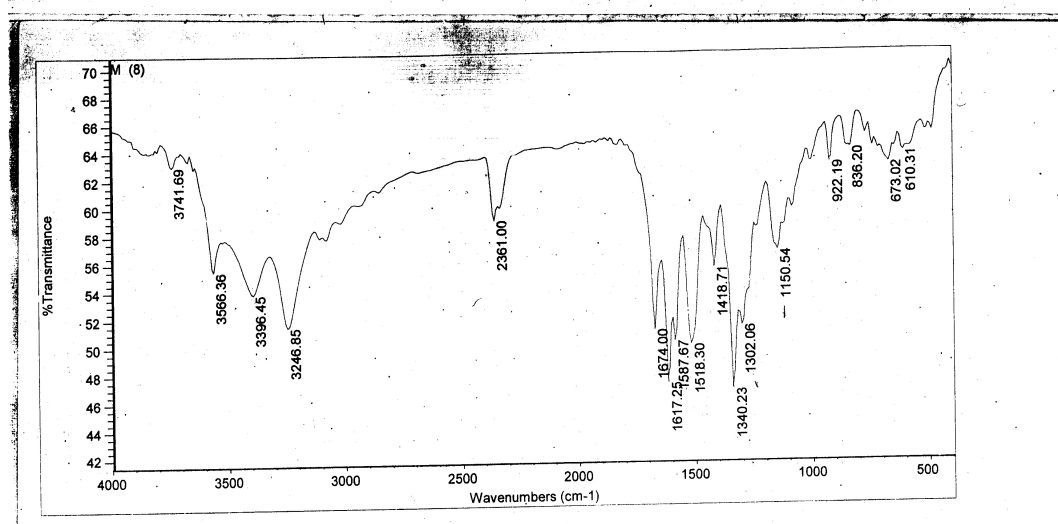
Appendix 3-5: IR spectrum of 2-(4-carboxypyridine pyrazol-3,5-dione) azo-sulphadoxine VI



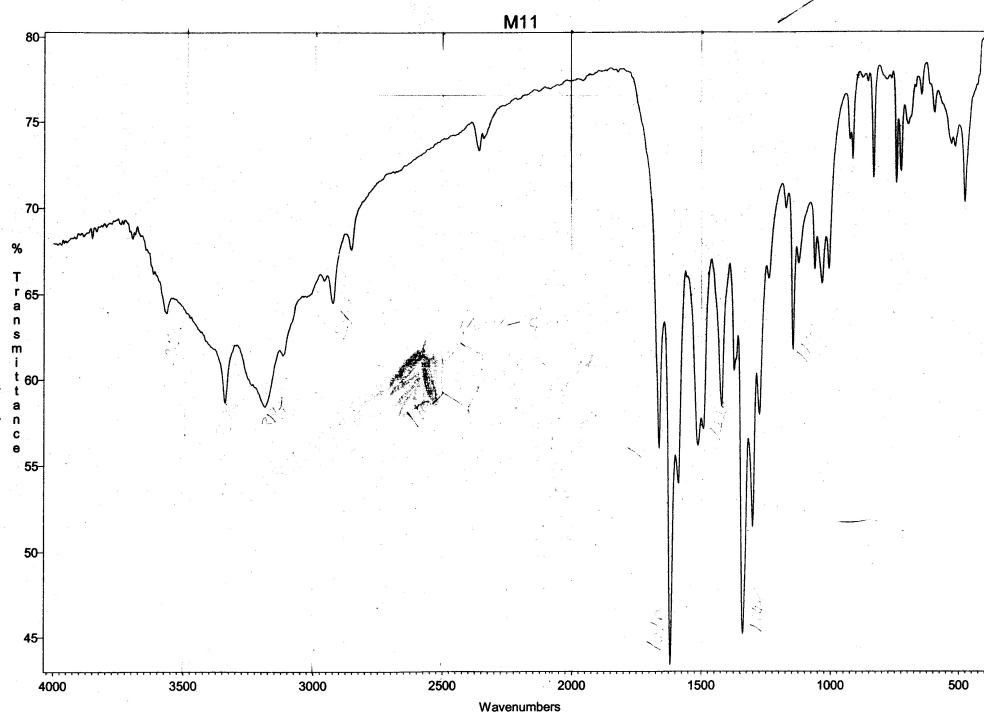
Appendix 3- 6: IR spectrum of 1-(4-carboxypyridine pyrazol-3,5-dione) azo-4-aminosalicylic acid XII



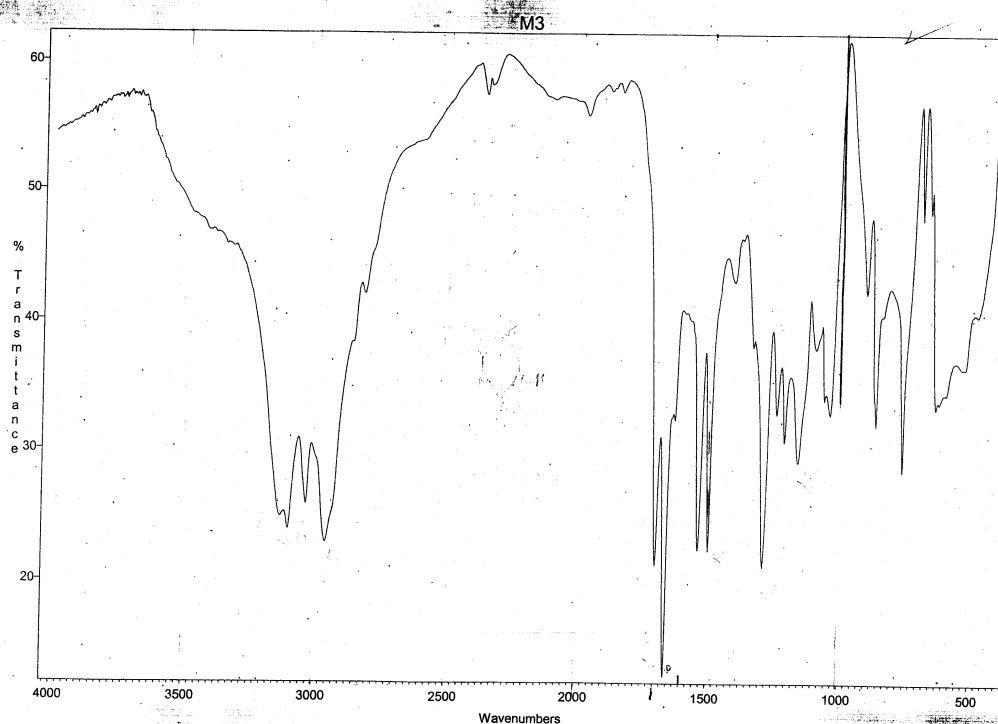
Appendix 3- 7: IR spectrum of 1-(2,4-dinitrobenzene pyrazol-3,5-dione) azo-4-sulphadoxine IV



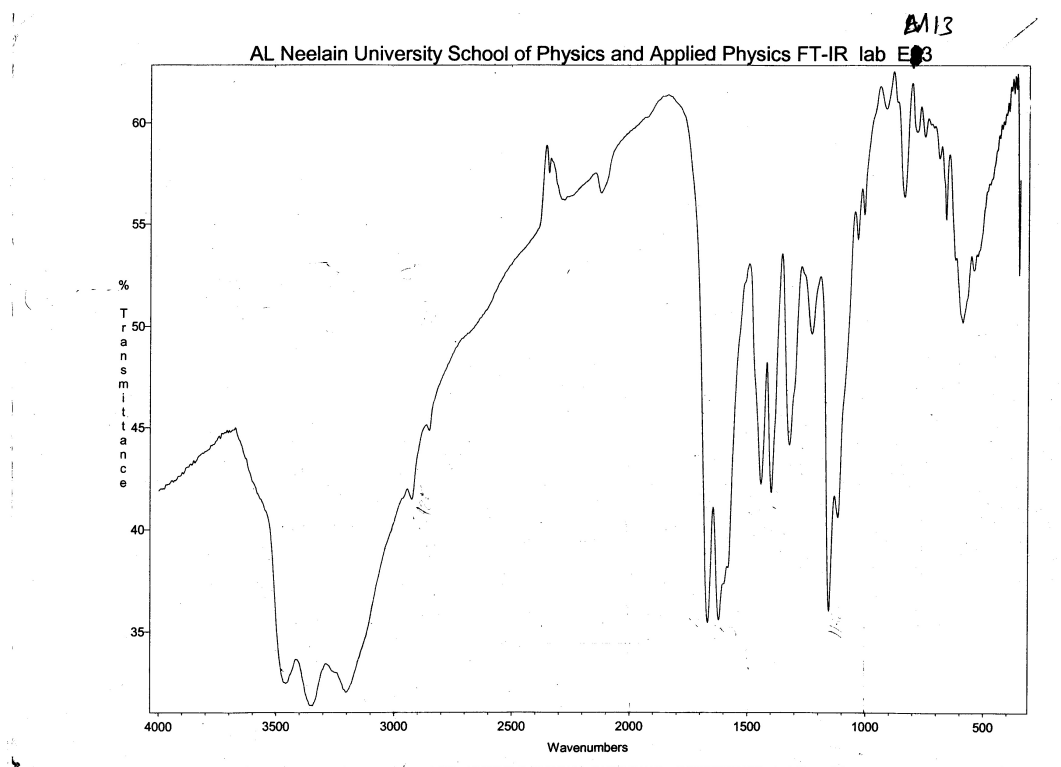
Appendix 3-8: IR spectrum of 1-(2,4-dinitrobenzene pyrazol-3,5-dione) azo-4-sulphadoxine VIII



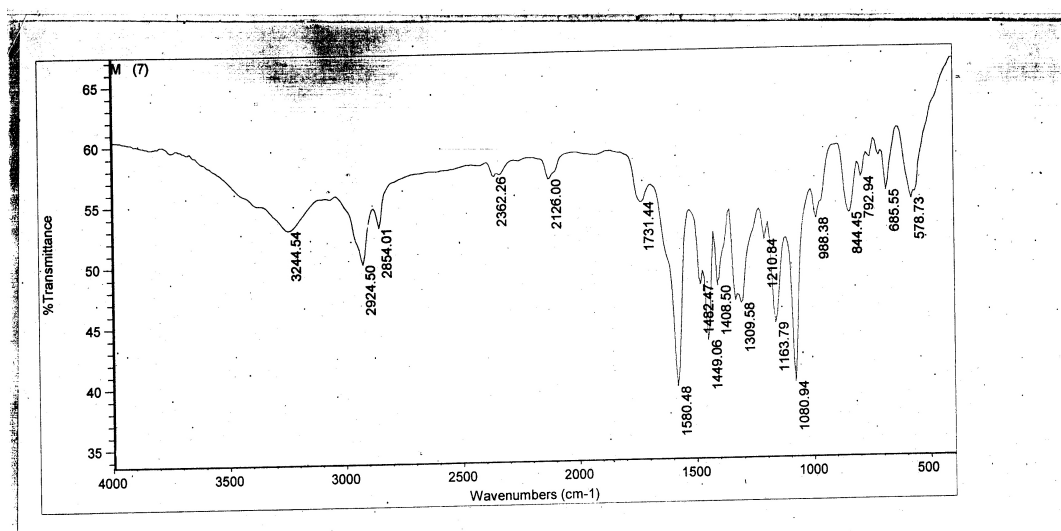
Appendix 3-9: IR spectrum of 1-(2,4-dinitrobenzene pyrazol-3,5-dione) azo-aminosalicylic acid XI



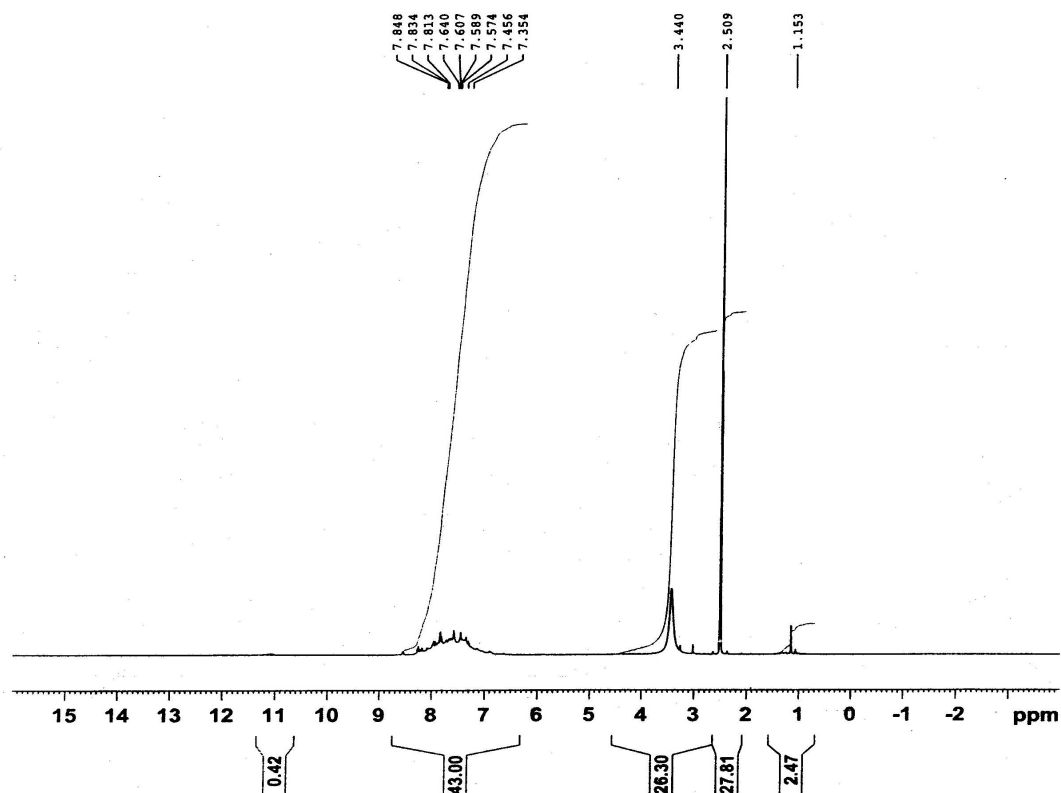
Appendix 3-10: IR spectrum of 5-barbitric acid azo-4-sulphanilamide III



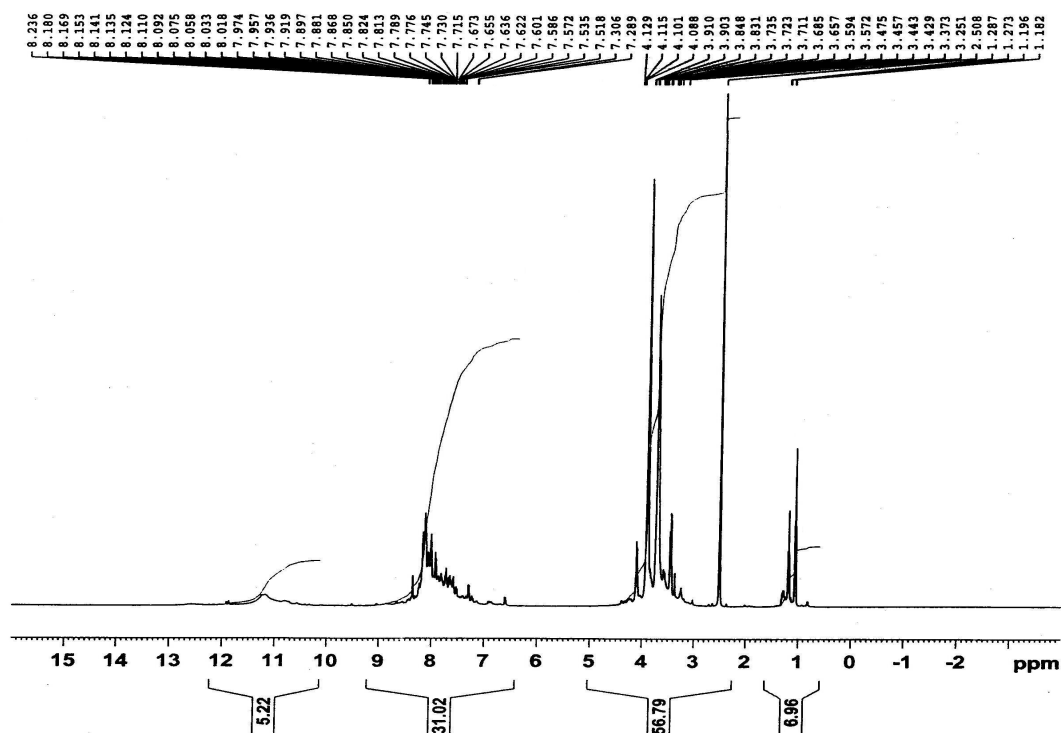
Appendix 3- 11: IR spectrum of 5-barbitric acid azo-4-aminosalicylic acid XIII



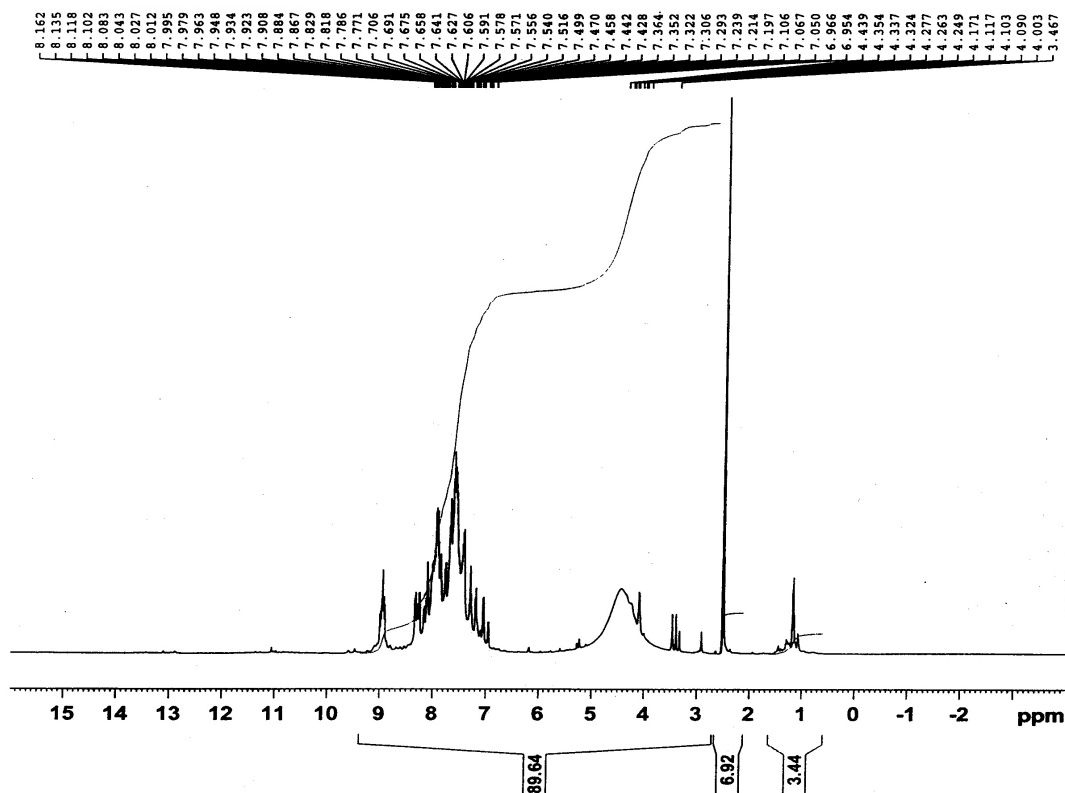
Appendix 3-12: IR spectrum of 5-barbitric acid azo-4-sulphadoxine VII



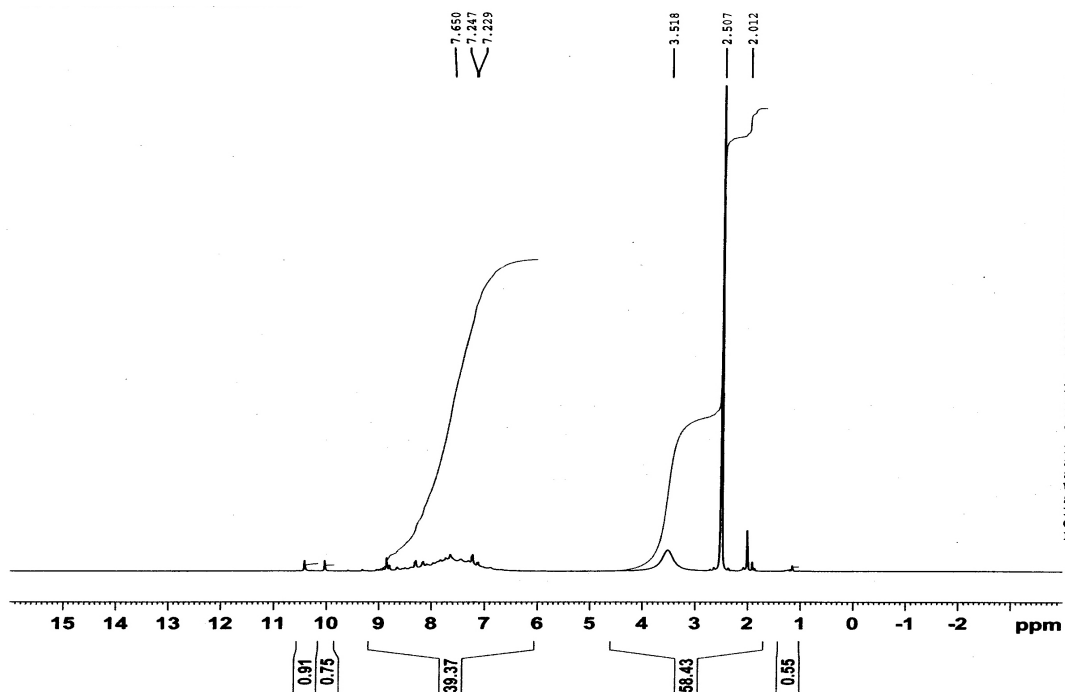
Appendix 3- 13: NMR spectrum of 2-diethylmalonateazo-4-sulphanilamideI



Appendix 3-14: NMR spectrum of 2-diethylmalonateazo-sulphadoxine V

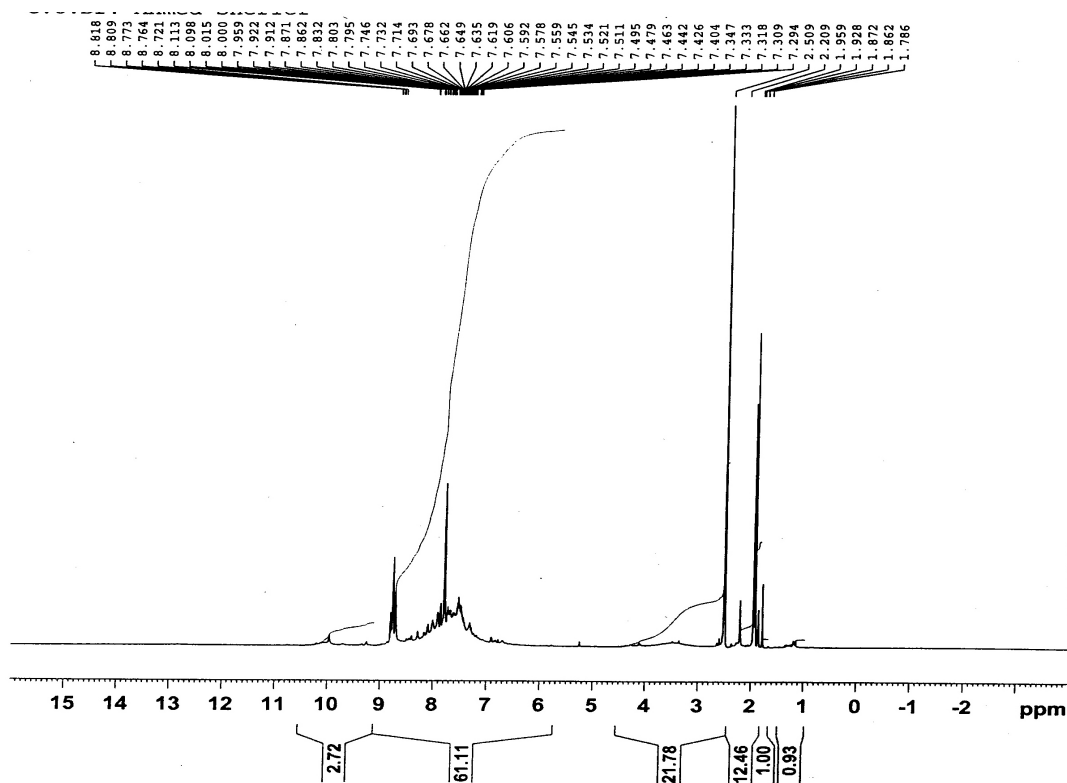


Appendix 3-15: NMR spectrum of 2-diethylmalonateazo-4-amino salicylic acid X

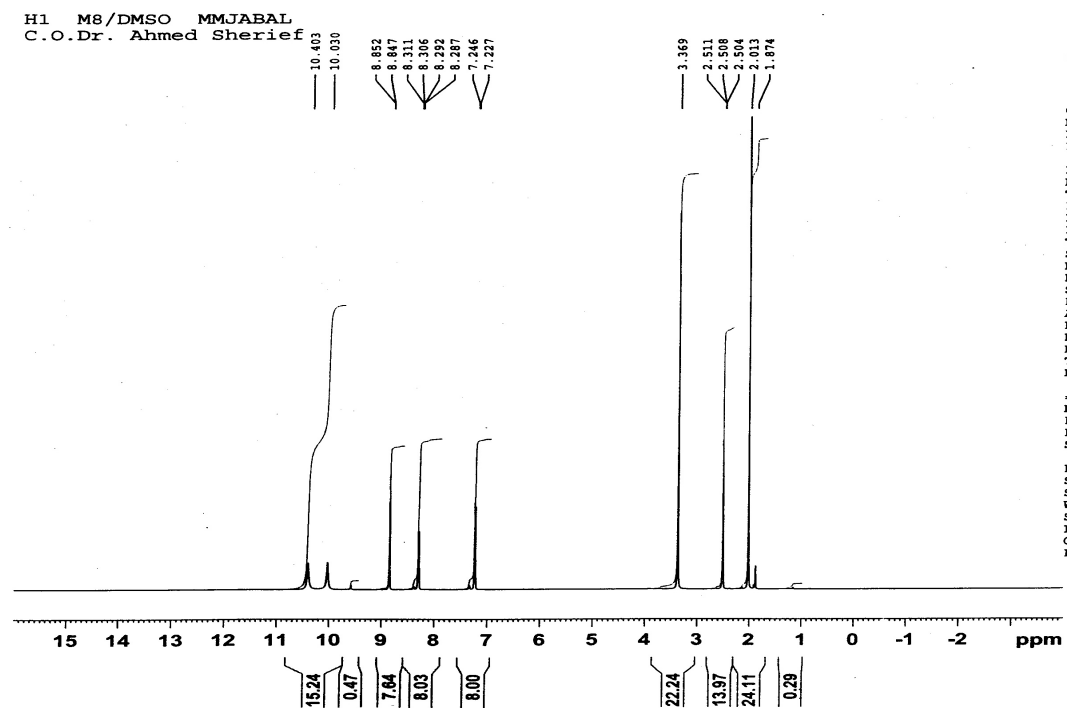


Appendix 3-16: NMR spectrum of 1-(4-carboxypyridine pyrazol-3,5-dione) azo-sulphanilamide II

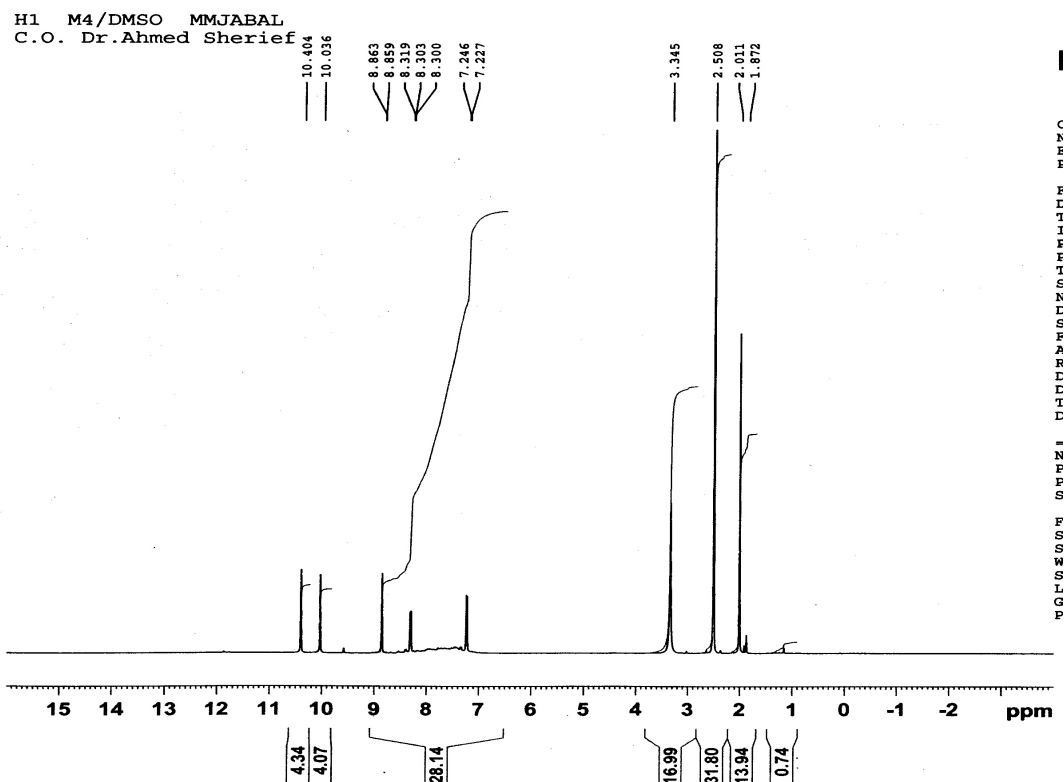




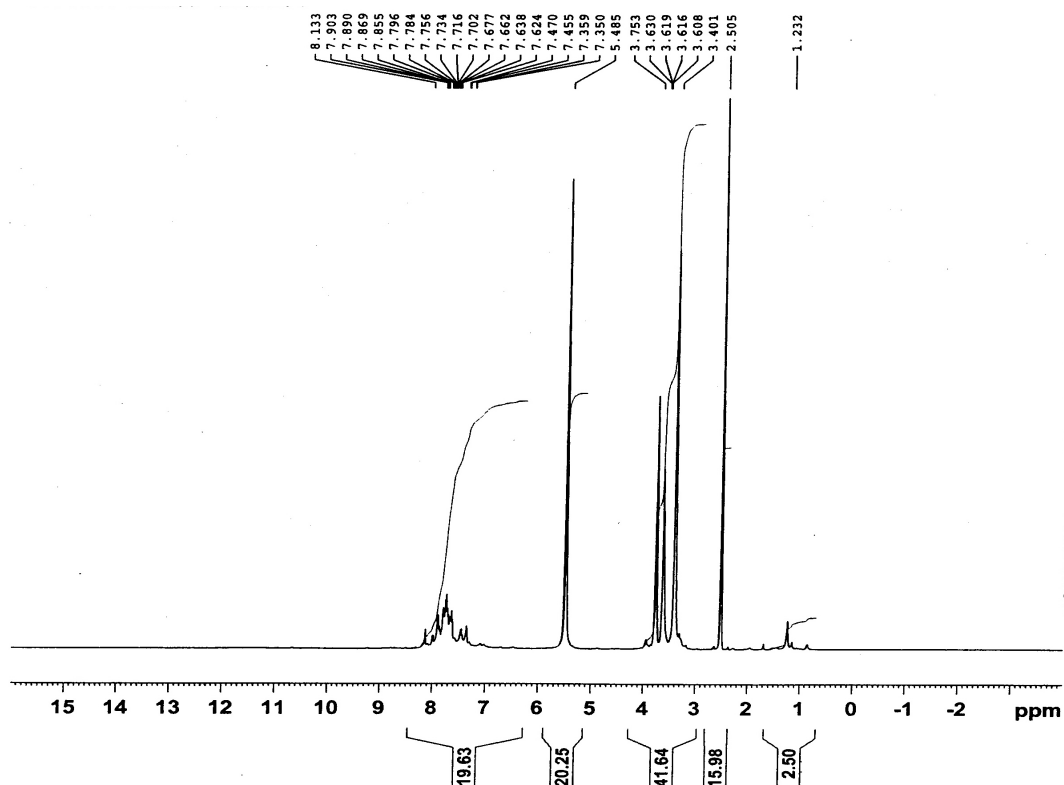
Appendix 3-19: NMR spectrum of 1-(4-carboxypyridine pyrazol-3,5-dione) azo-aminosalicylic acid XI



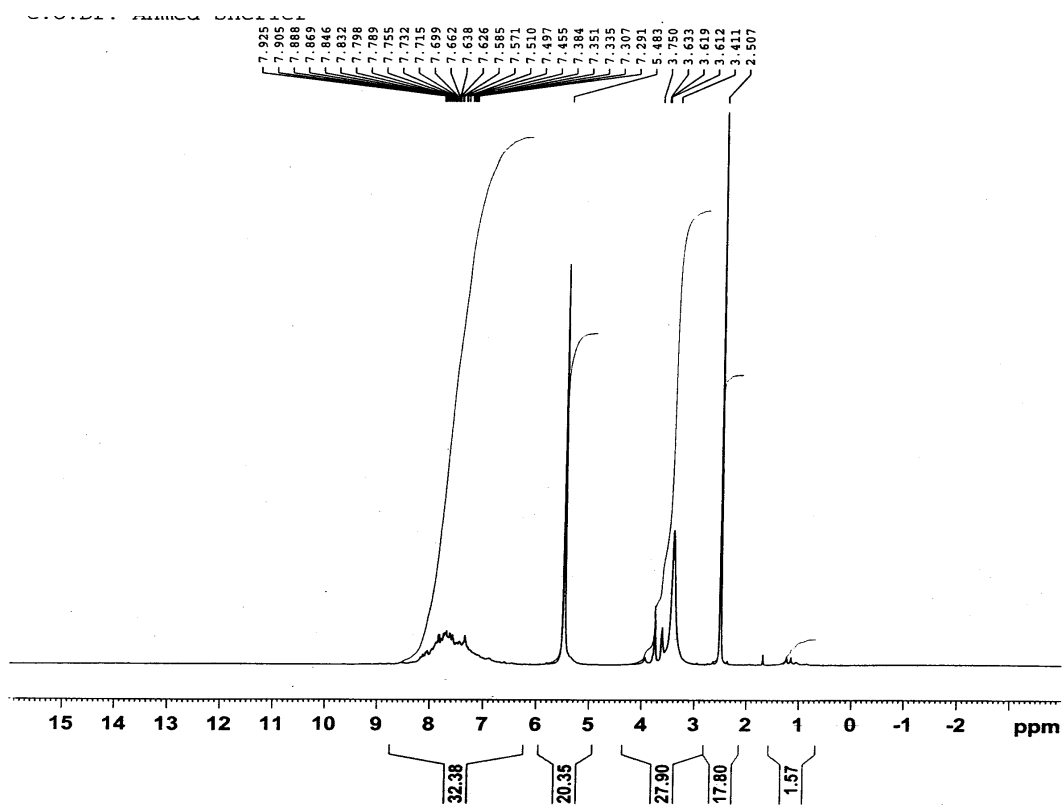
Appendix3- 20: NMR spectrum of 1-(2,4-dinitrobenzene pyrazol-3,5-dione) azo-4-sulphadoxine VIII



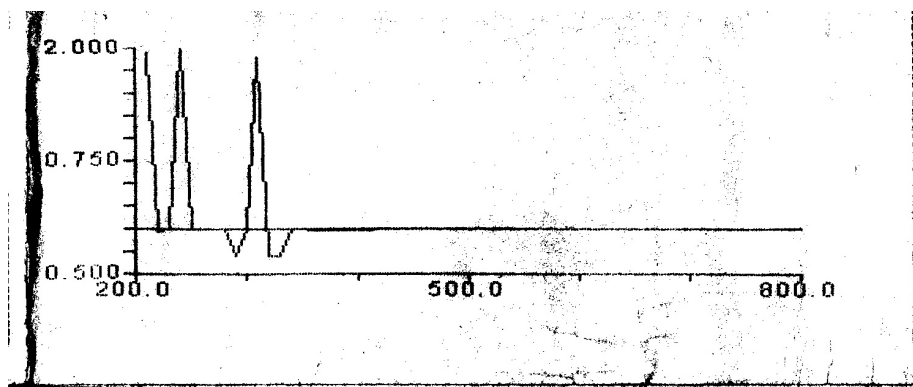
Appendix 3-21: NMR spectrum of 1-(2,4-dinitrobenzene pyrazol-3,5-dione) azo-4-sulphanilamide IV



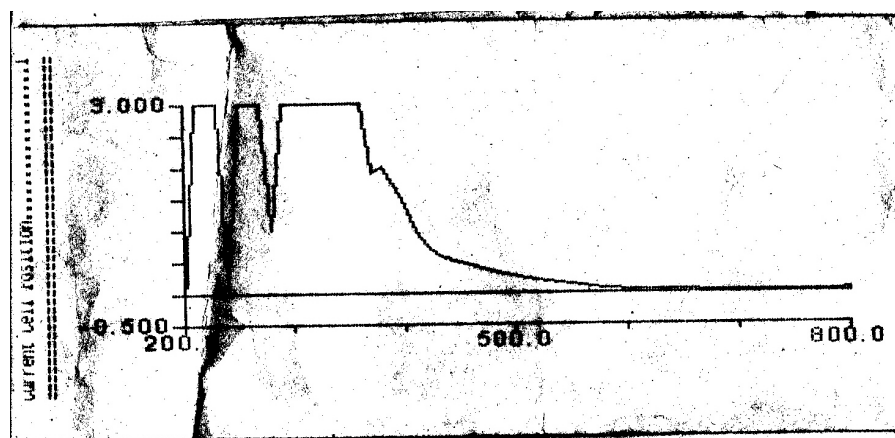
Appendix 3- 22: NMR spectrum of 5-barbitric acid azo-4-sulphanilamide III



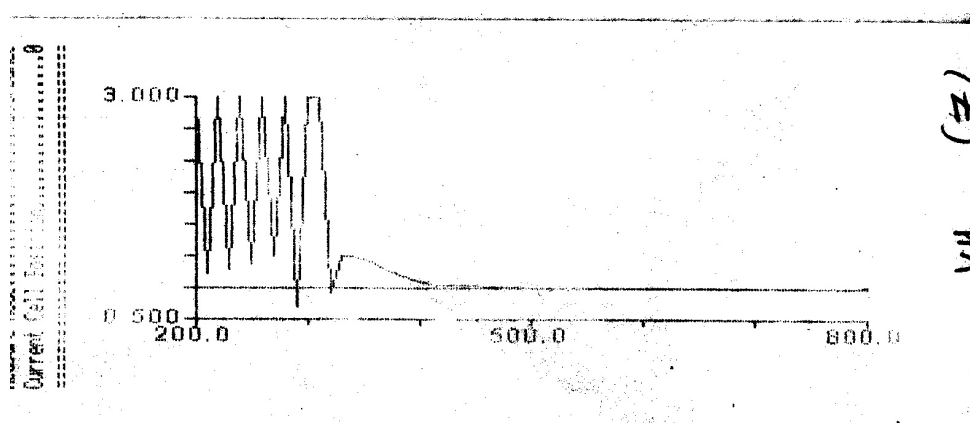
Appendix 3-23: NMR spectrum of 5-barbitric acid azo-4-sulphadoxine VII



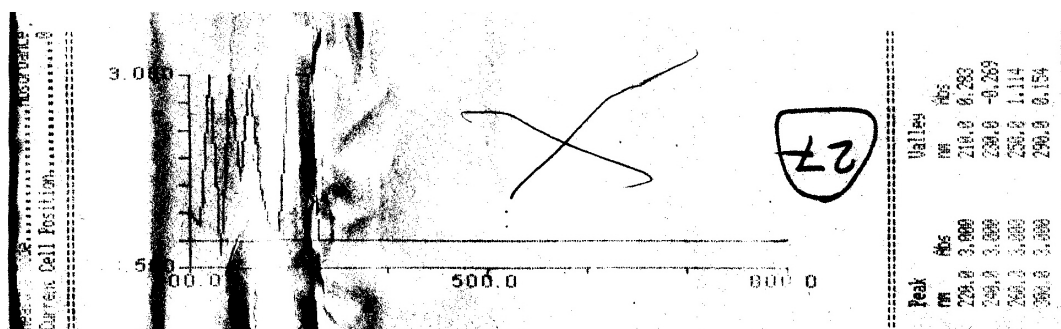
Appendix 3-24: UV spectrum of 2-diethylmalonateazo-4-sulphanilamide I



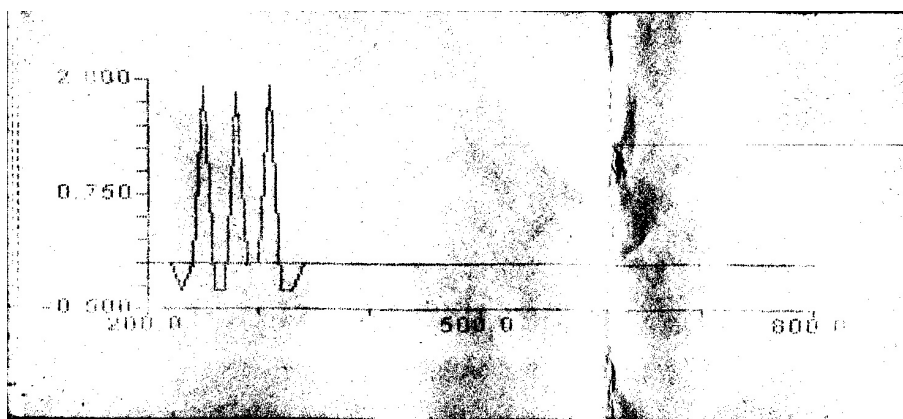
Appendix 3- 25: UV spectrum of 2-diethylmalonateazo-sulphadoxine V



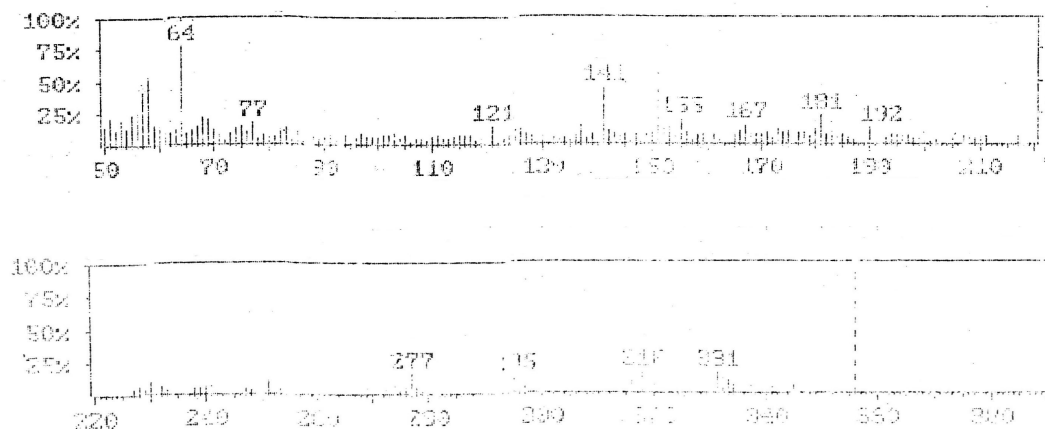
Appendix 3- 26: UV spectrum of 5-barbitric acid azo-4-sulphadoxine VII



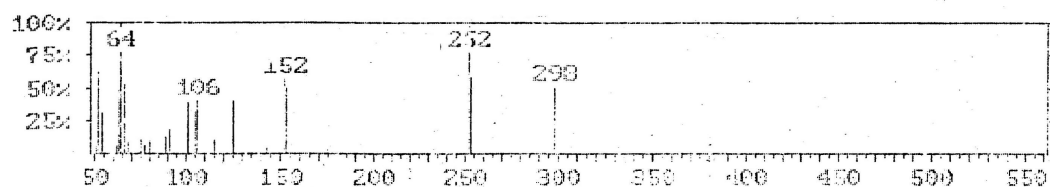
Appendix 3- 27: UV spectrum of 5-1-thiobarbitric acid azo-4-aminosalicylic acid XIV



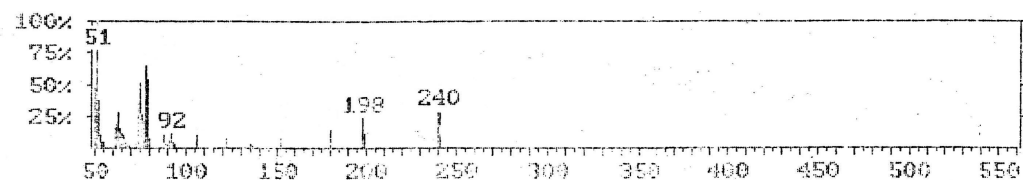
Appendix 3- 28: UV spectrum of 5-1-thiobarbitric acid azo-4-sulphanilamide XXV



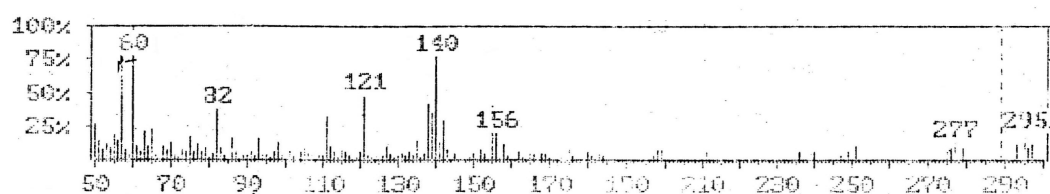
Appendix 29: MS spectrum of 2-(4-carboxypyridine pyrazol-3,5-dione) azo-4-sulphadoxine VI .



Appendix 30: MS spectrum of 2-diethylmalonate azo-1-naphthylamine XX .



Appendix 31: MS spectrum of 1-(2,4-dinitrobenzenepyrazol-3,5-dione) azo-4-sulphaadoxine VIII



Appendix 32: MS spectrum of 5-barbitric acid azo -4-aminobenzoic acid XVIII