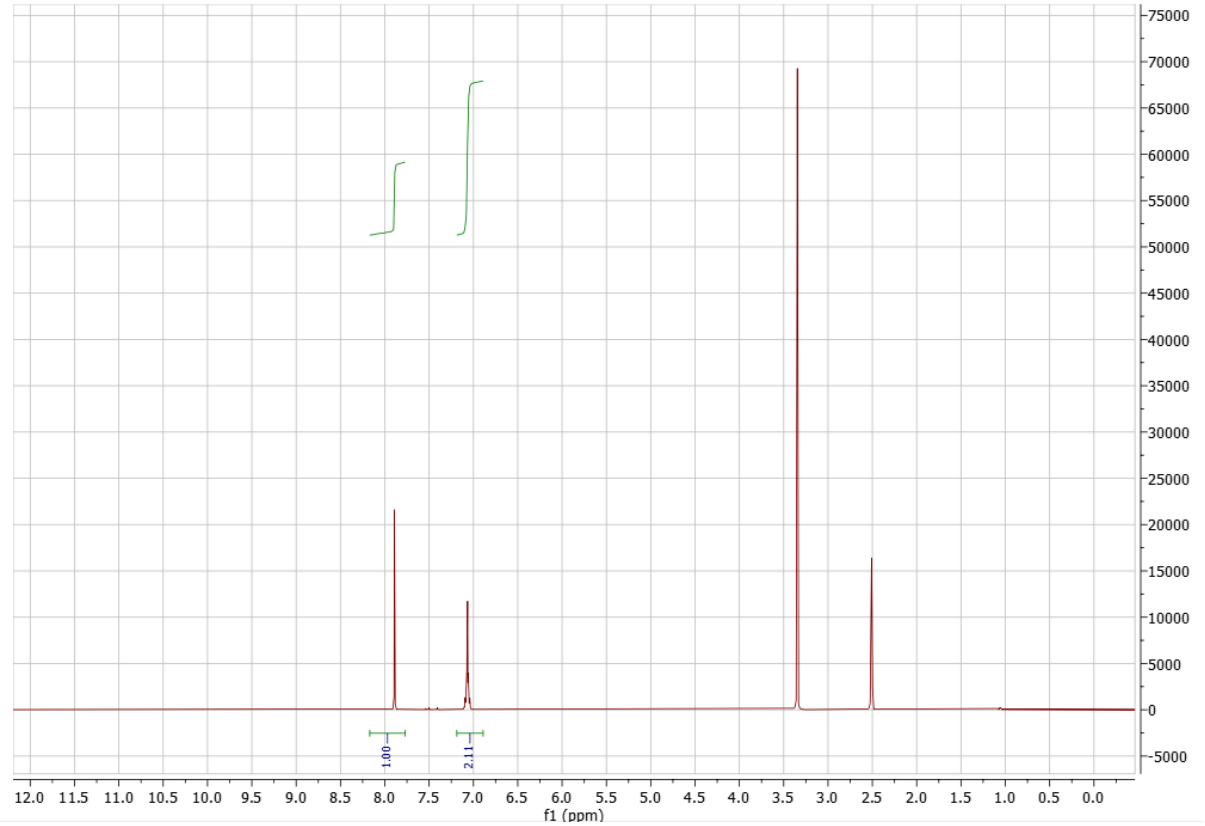
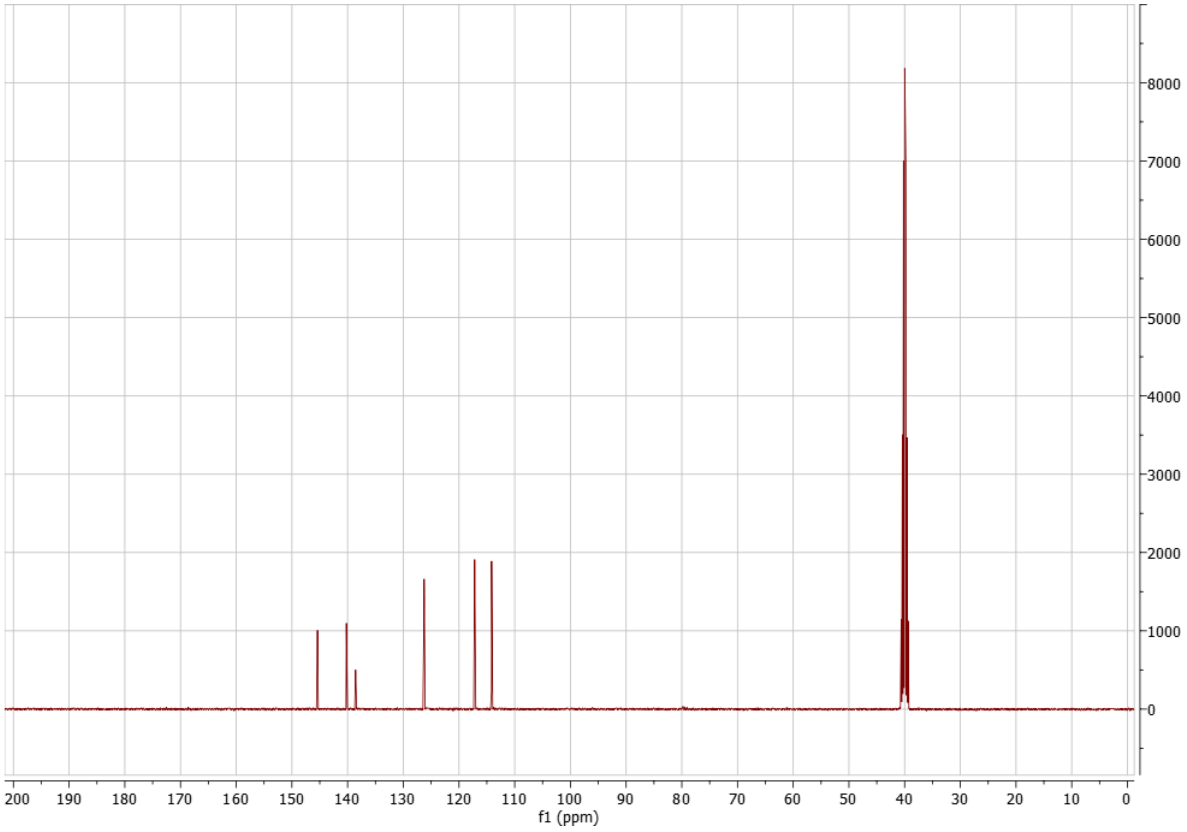
Supplementary

Sequential nucleophilic aromatic substitution reactions of activated halogens

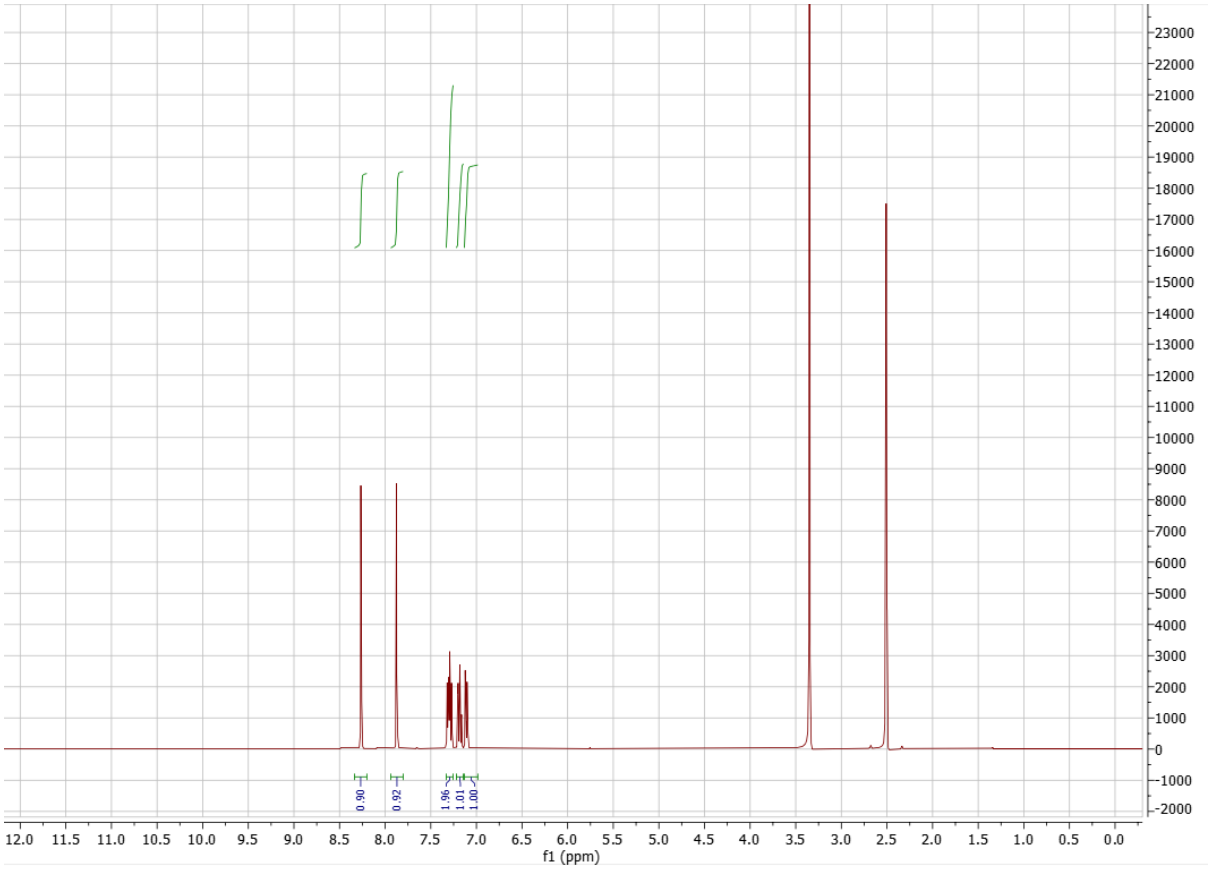
M. John Plater* and William T. A. Harrison
Department of Chemistry, University of Aberdeen, Meston Walk, Aberdeen, AB24 3UE
m.j.plater@abdn.ac.uk



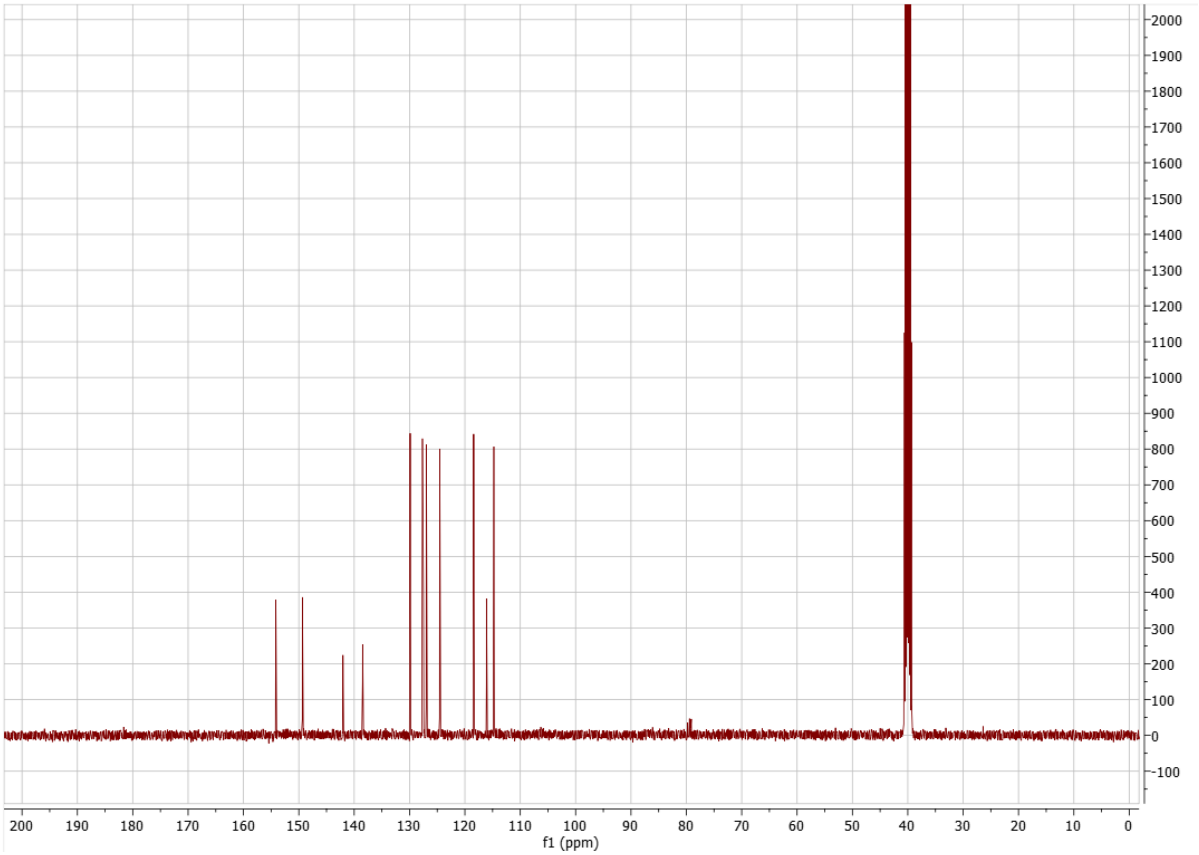
Compound 13 400 MHz Proton NMR D_6DMSO



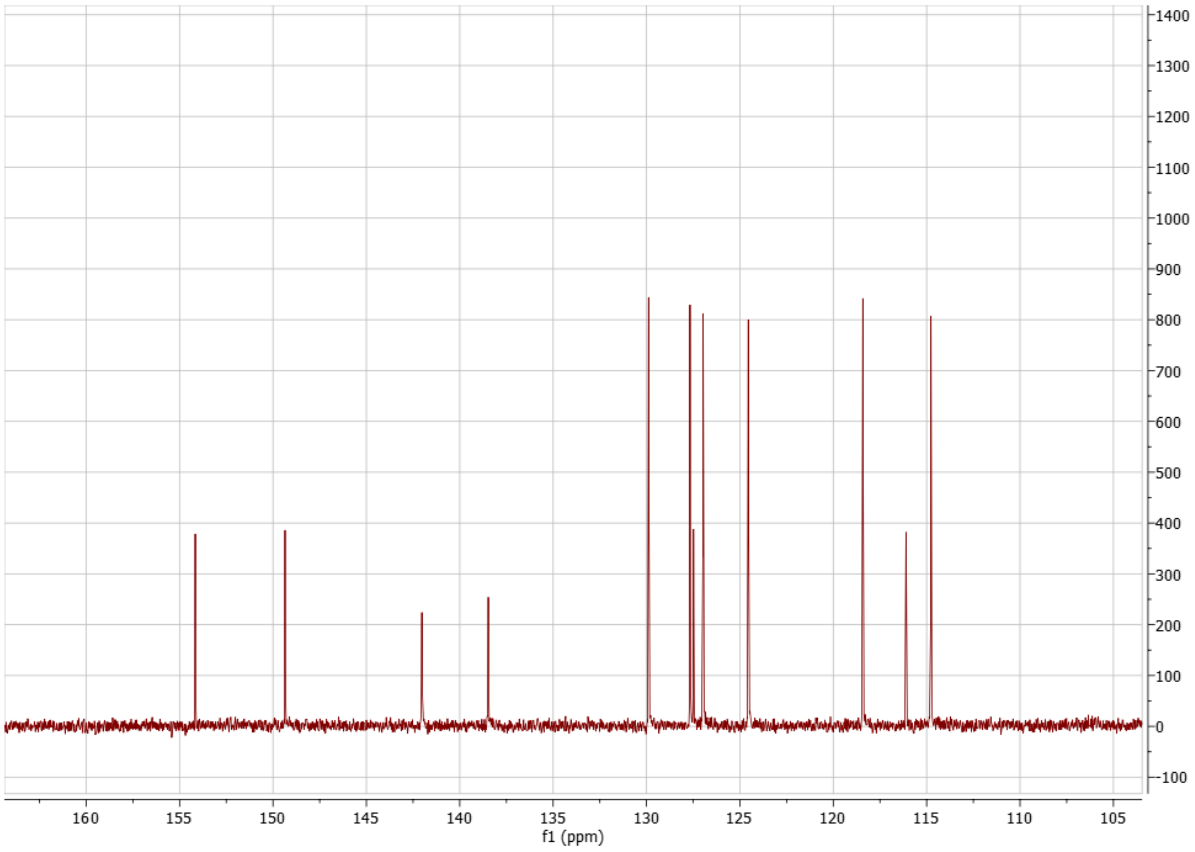
Compound 13 400 MHz 13 Carbon NMR D_6DMSO



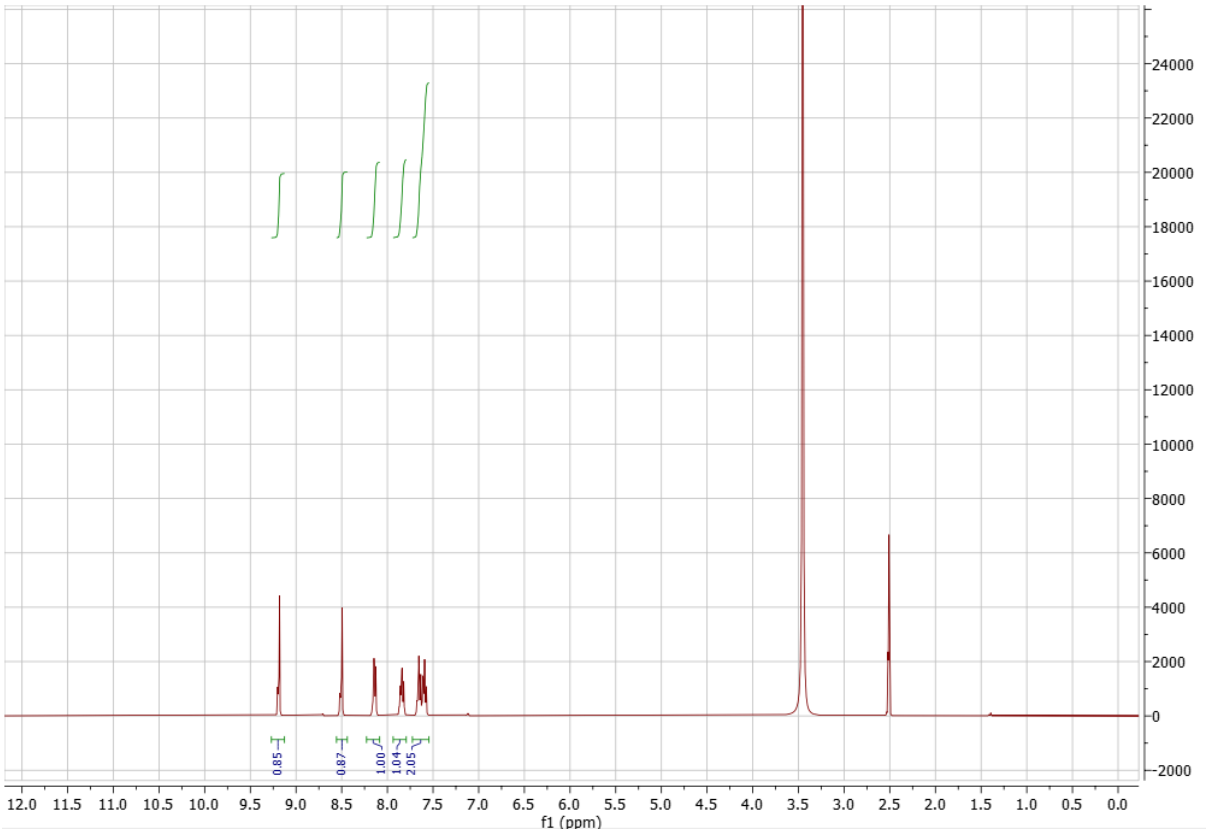
Compound 15 400 MHz Proton NMR D_6DMSO



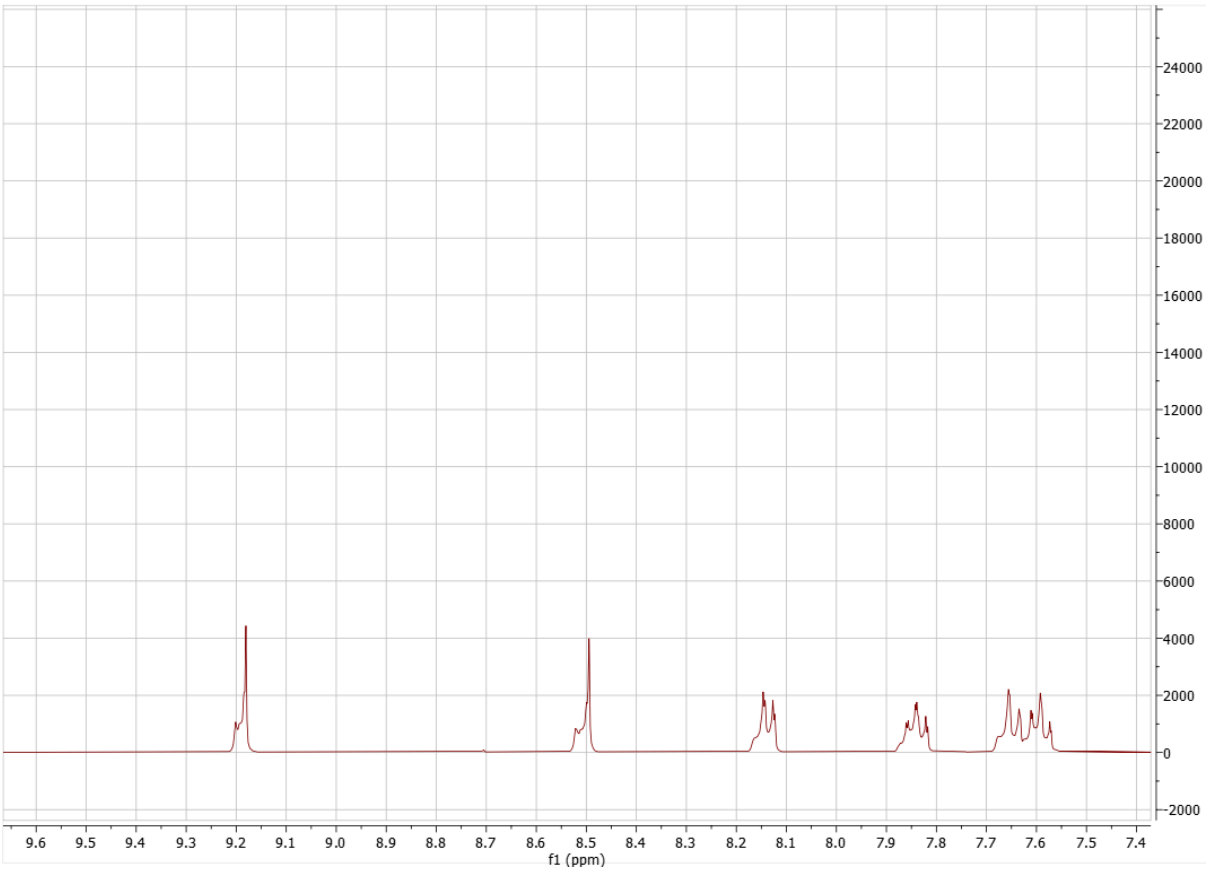
Compound 15 400 MHz 13 Carbon NMR D_6DMSO



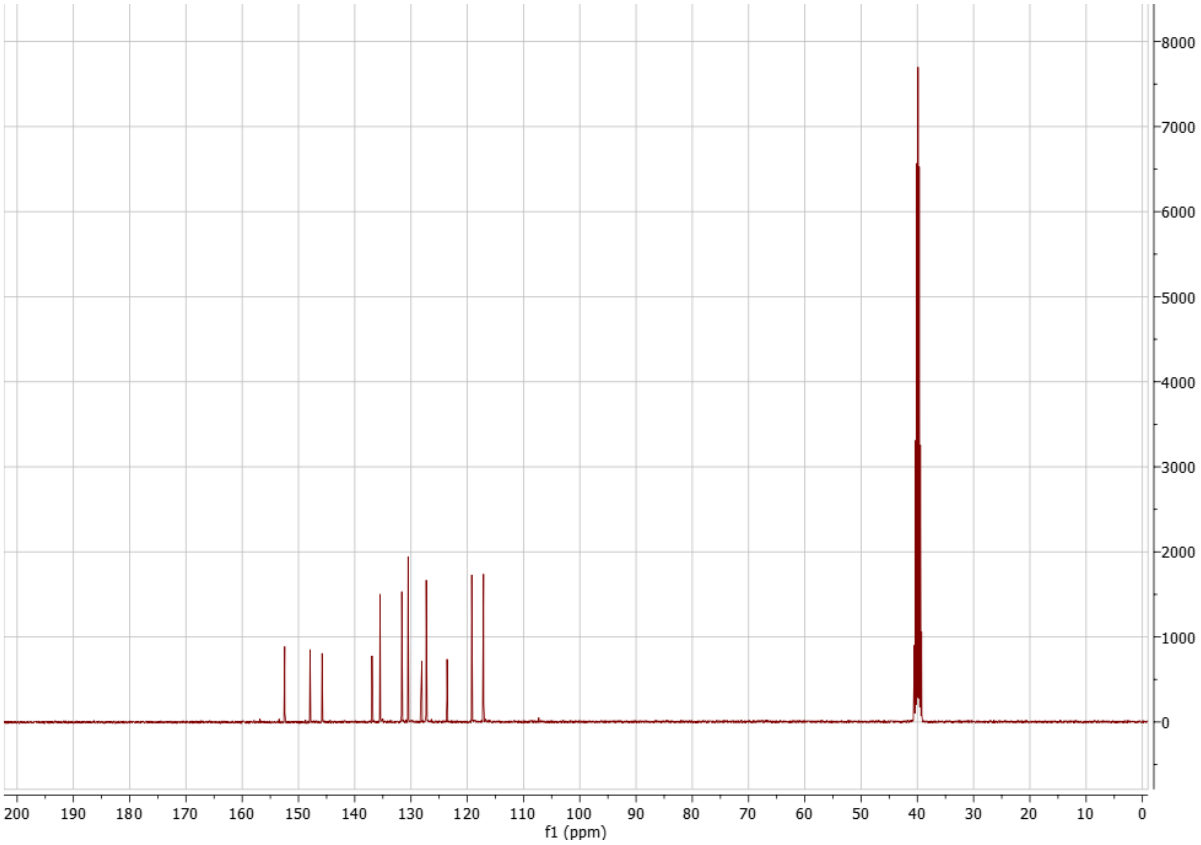
Compound 15 400 MHz 13 Carbon NMR D_6DMSO Expansion



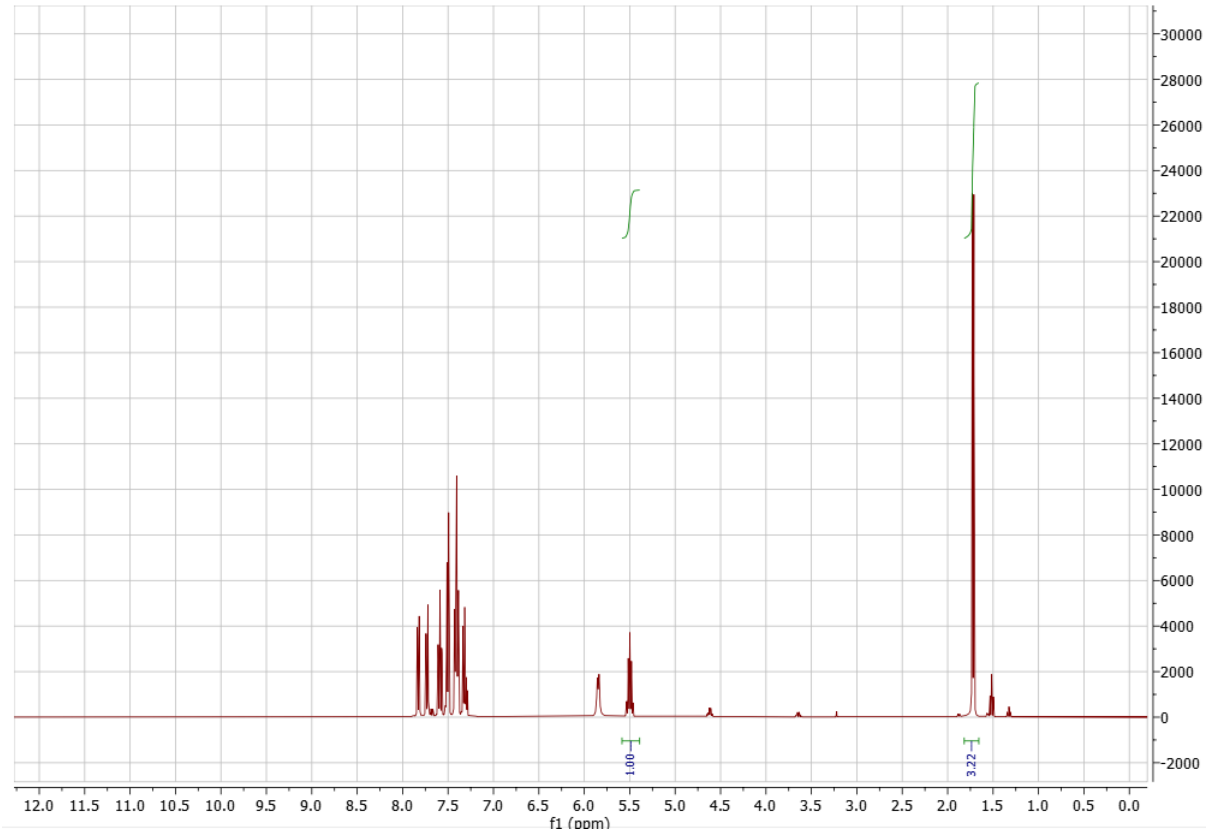
Compound 16 400 MHz Proton NMR D_6DMSO



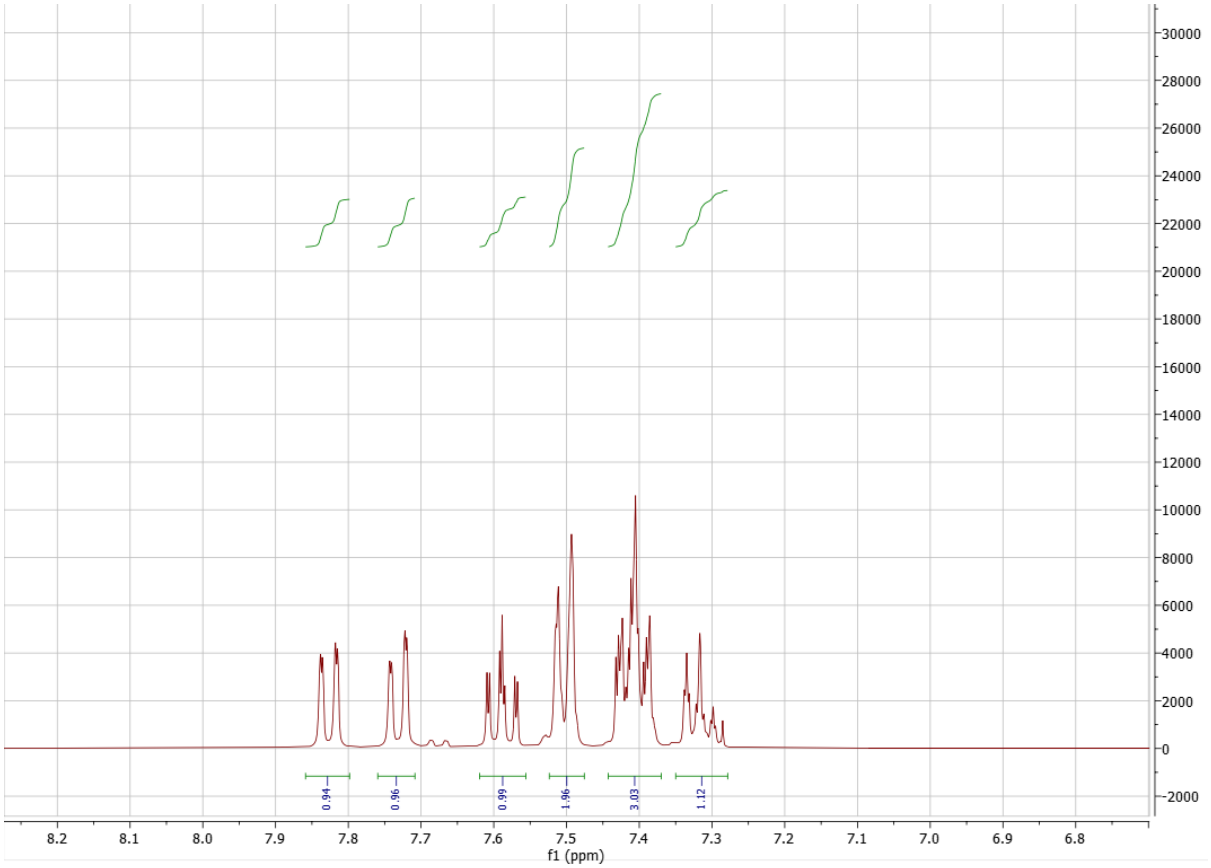
Compound 16 400 MHz Proton NMR D_6DMSO Expansion



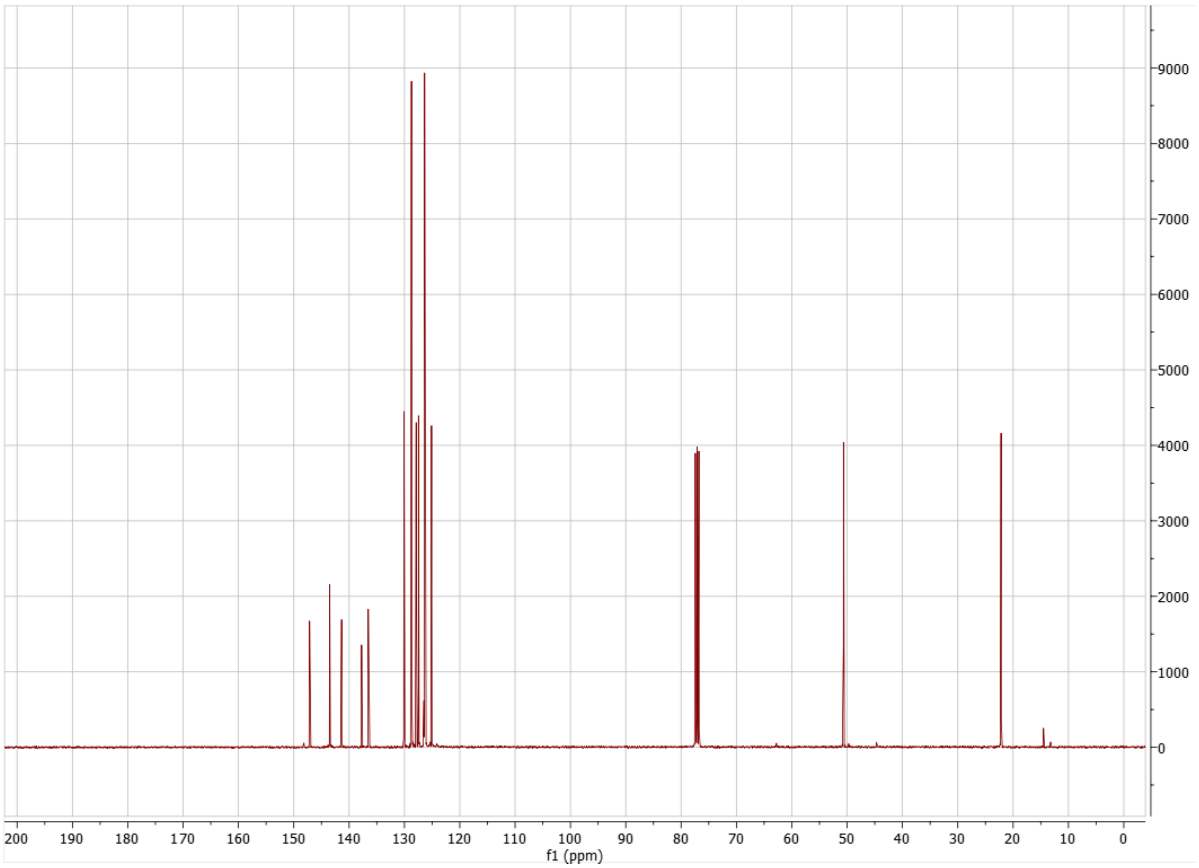
Compound 16 400 MHz 13 Carbon NMR D_6DMSO



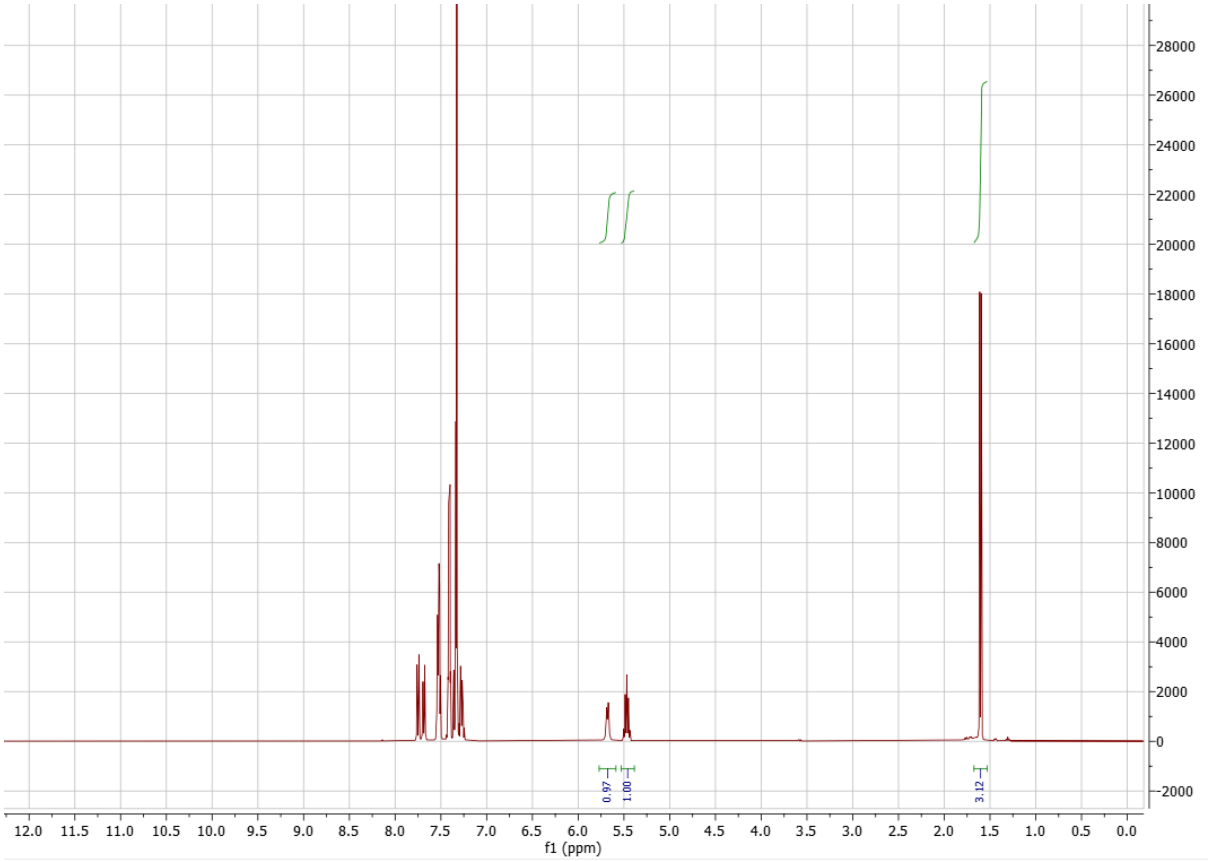
Compound 17 400 MHz Proton NMR $CDCl_3$



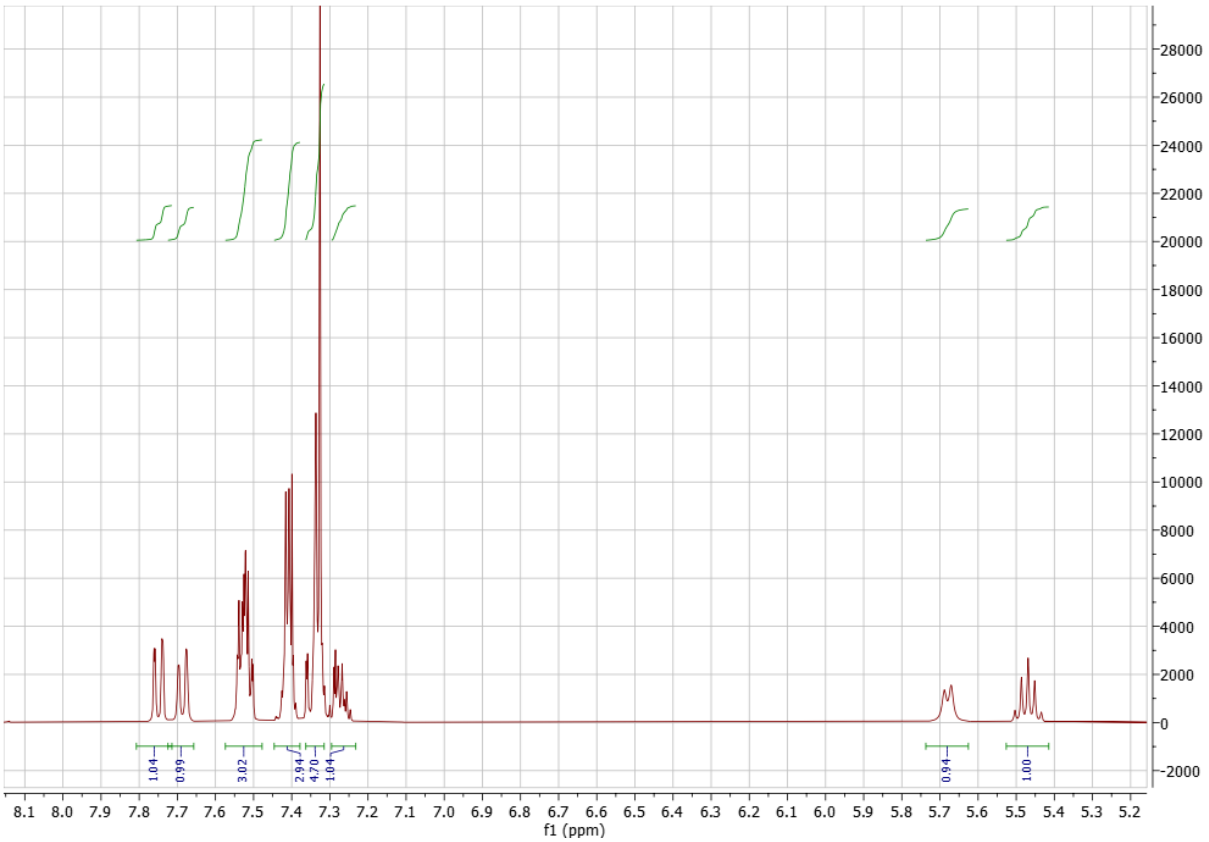
Compound 17 400 MHz Proton NMR $CDCl_3$ Expansion



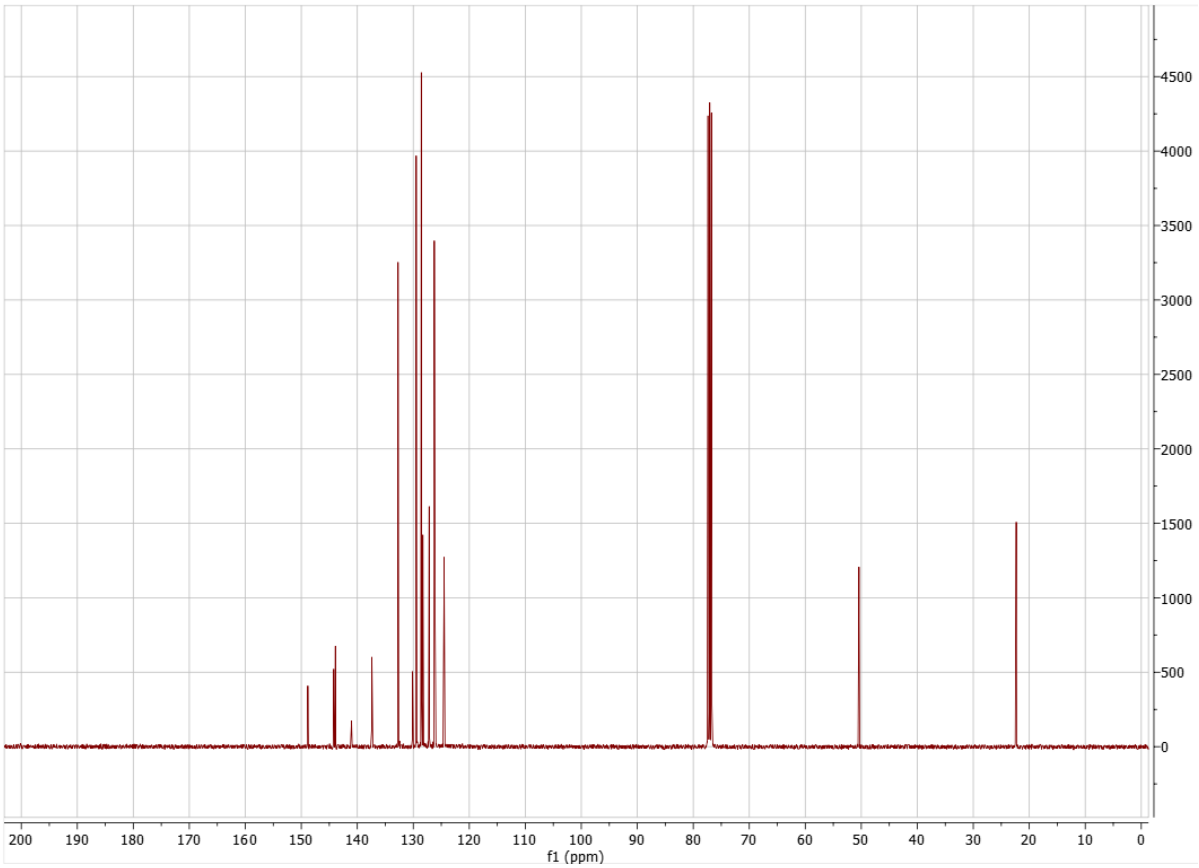
Compound 17 400 MHz 13 Carbon NMR $CDCl_3$



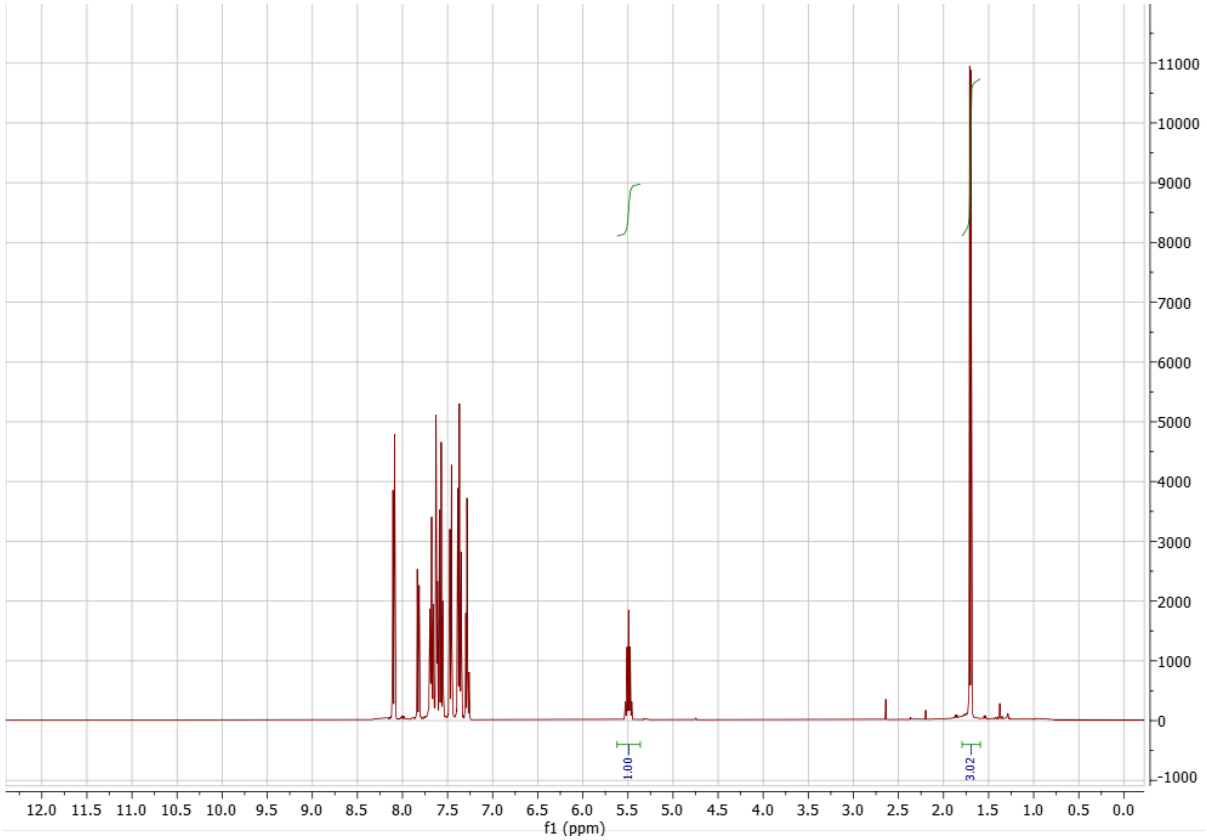
Compound 18 400 MHz Proton NMR $CDCl_3$



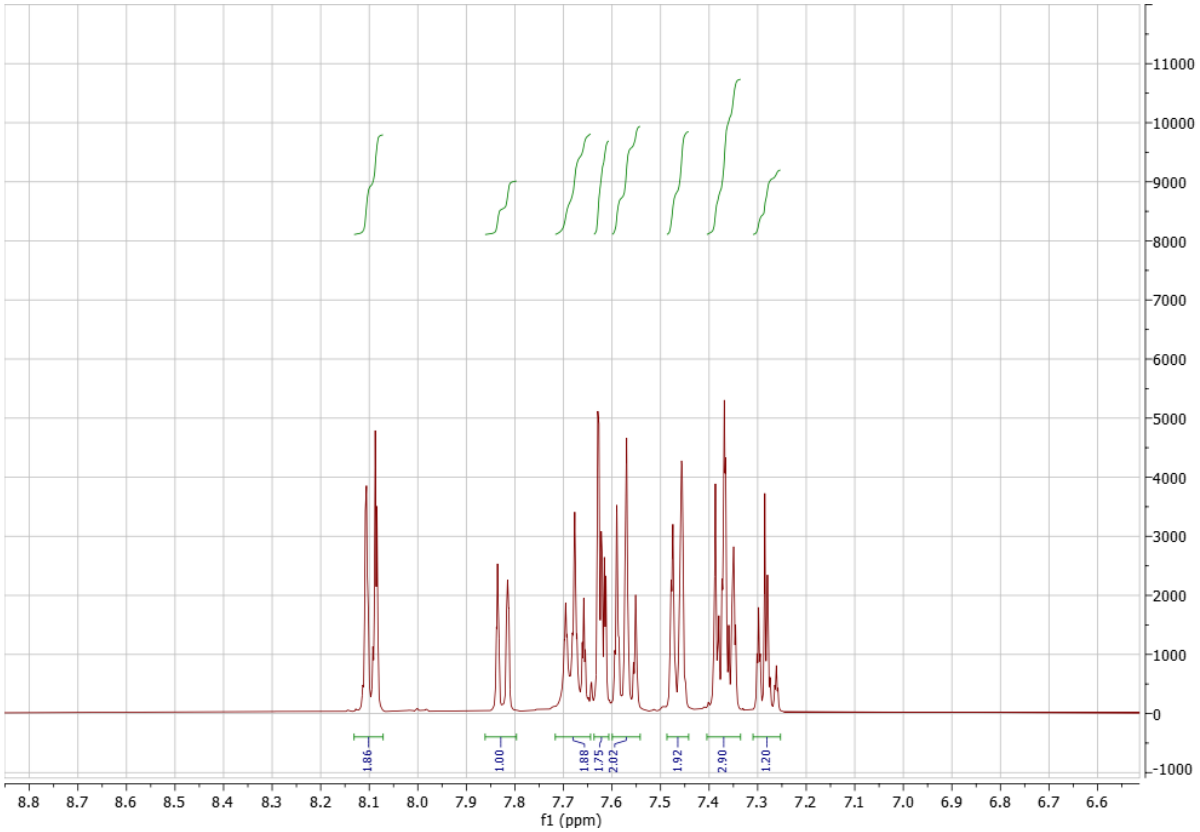
Compound 18 400 MHz Proton NMR $CDCl_3$ Expansion



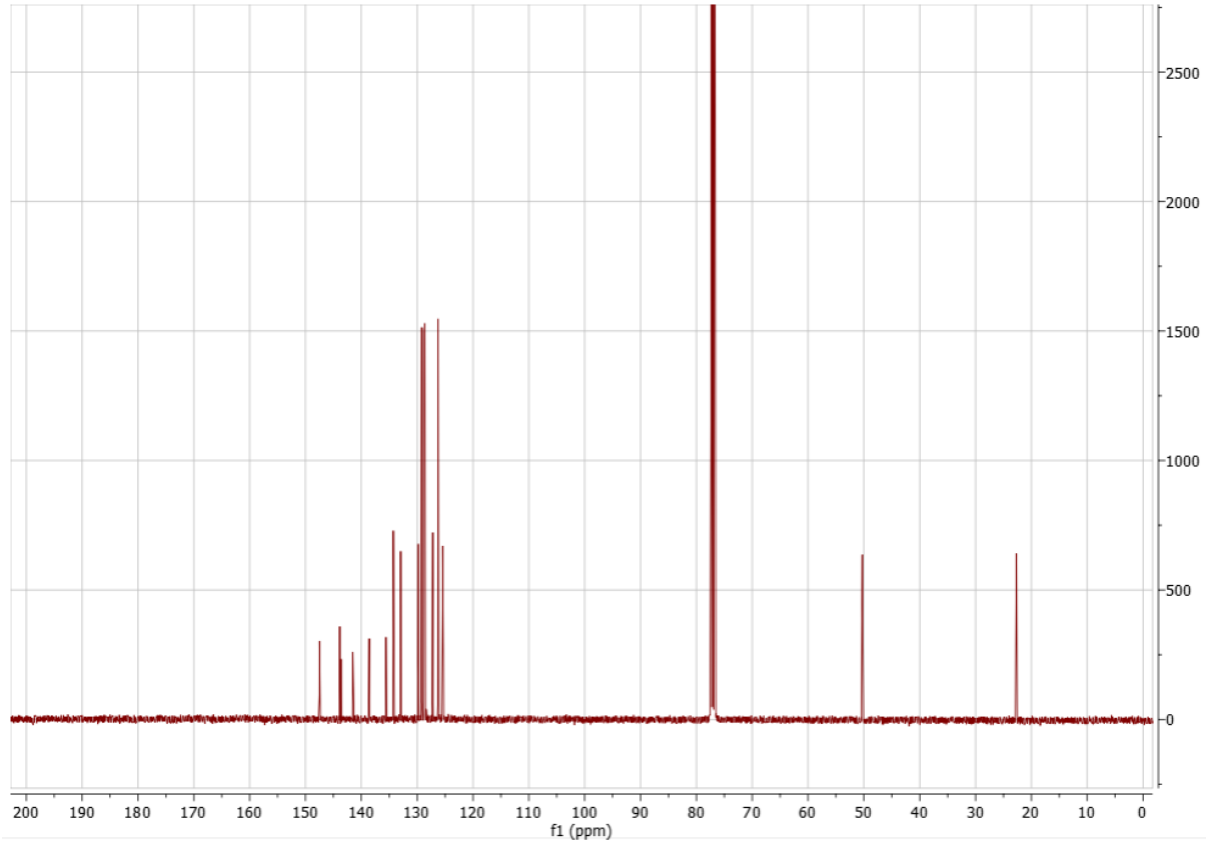
Compound 18 400 MHz 13 Carbon NMR $CDCl_3$



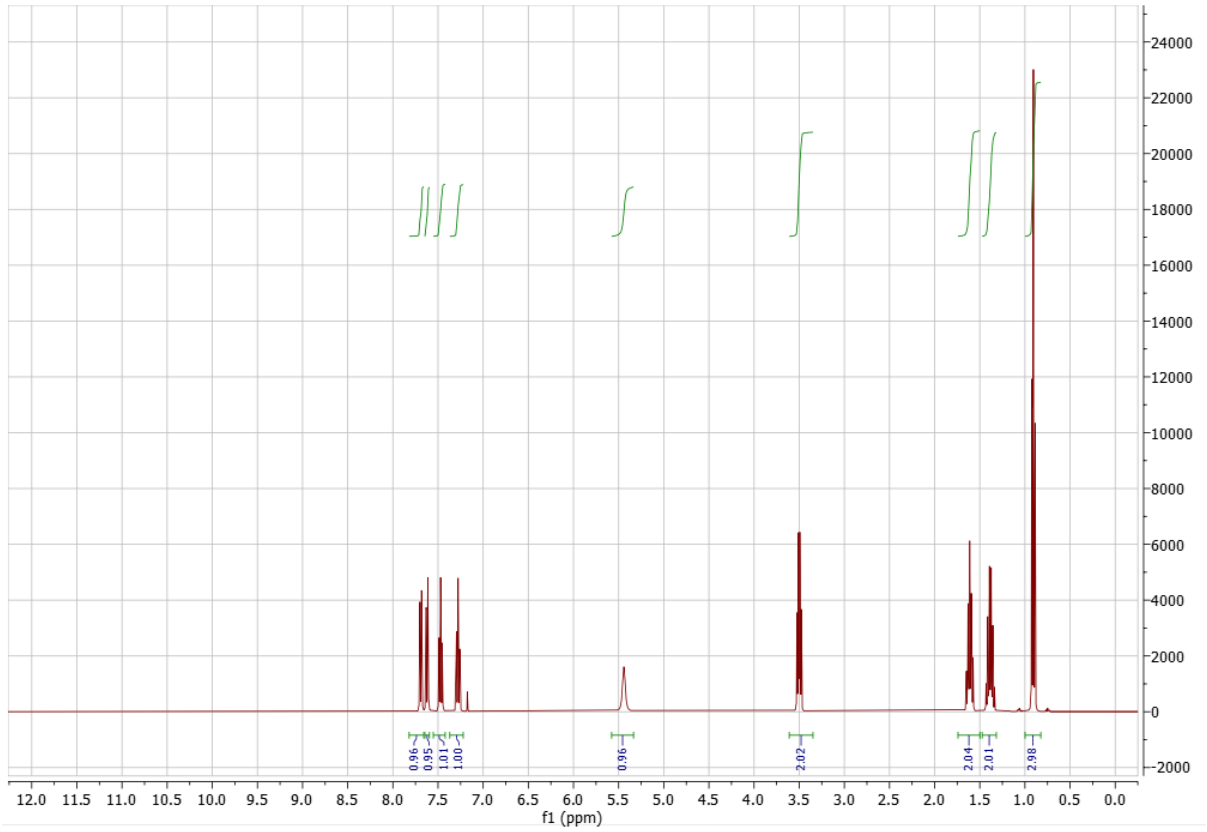
Compound 19 400 MHz Proton NMR $CDCl_3$



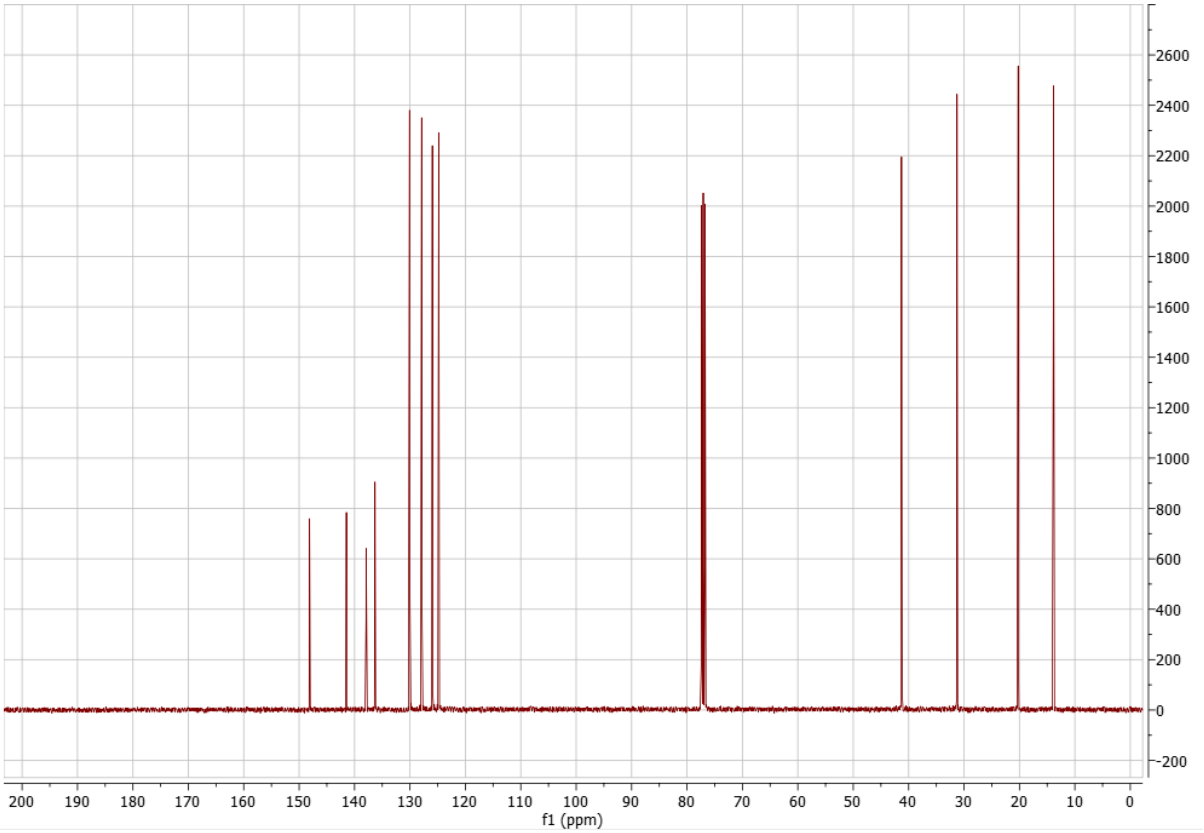
Compound 19 400 MHz Proton NMR $CDCl_3$ Expansion



Compound 19 400 MHz 13 Carbon NMR $CDCl_3$



Compound 20 400 MHz Proton NMR



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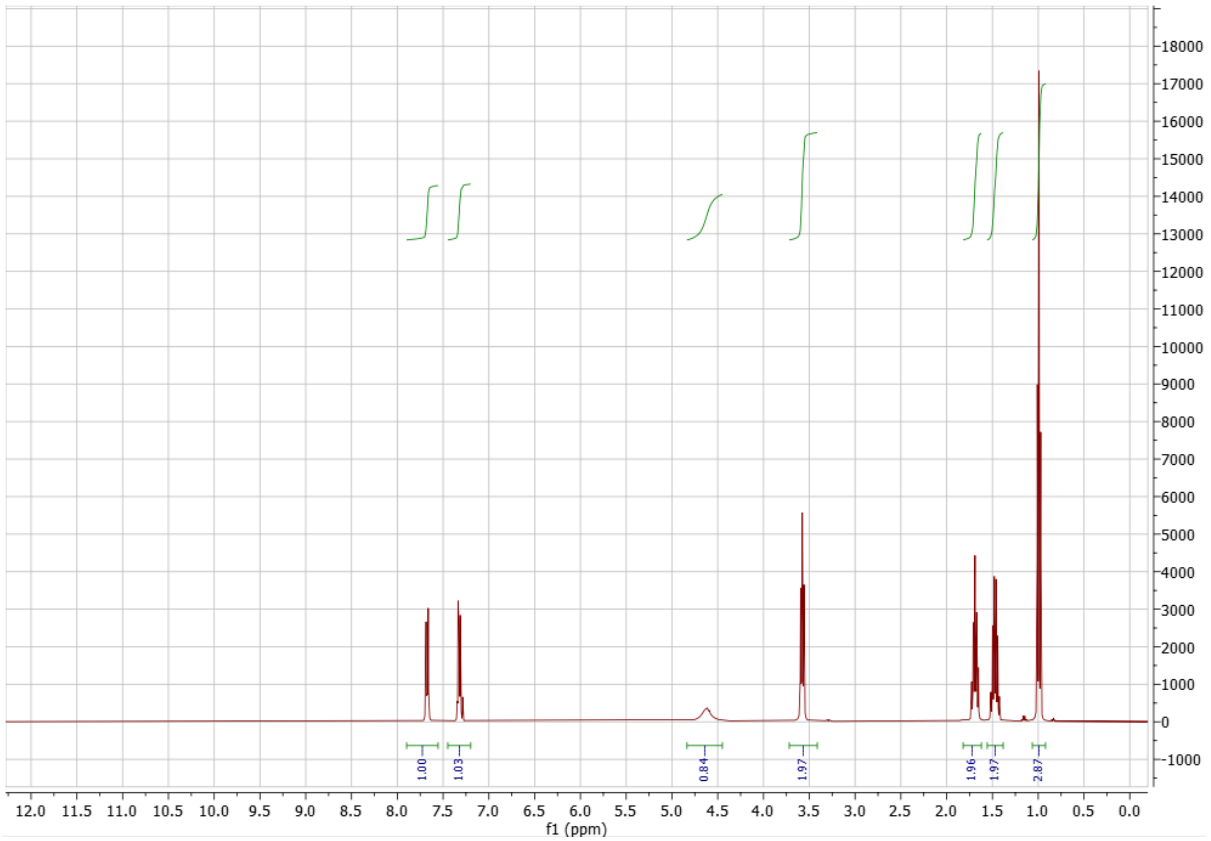
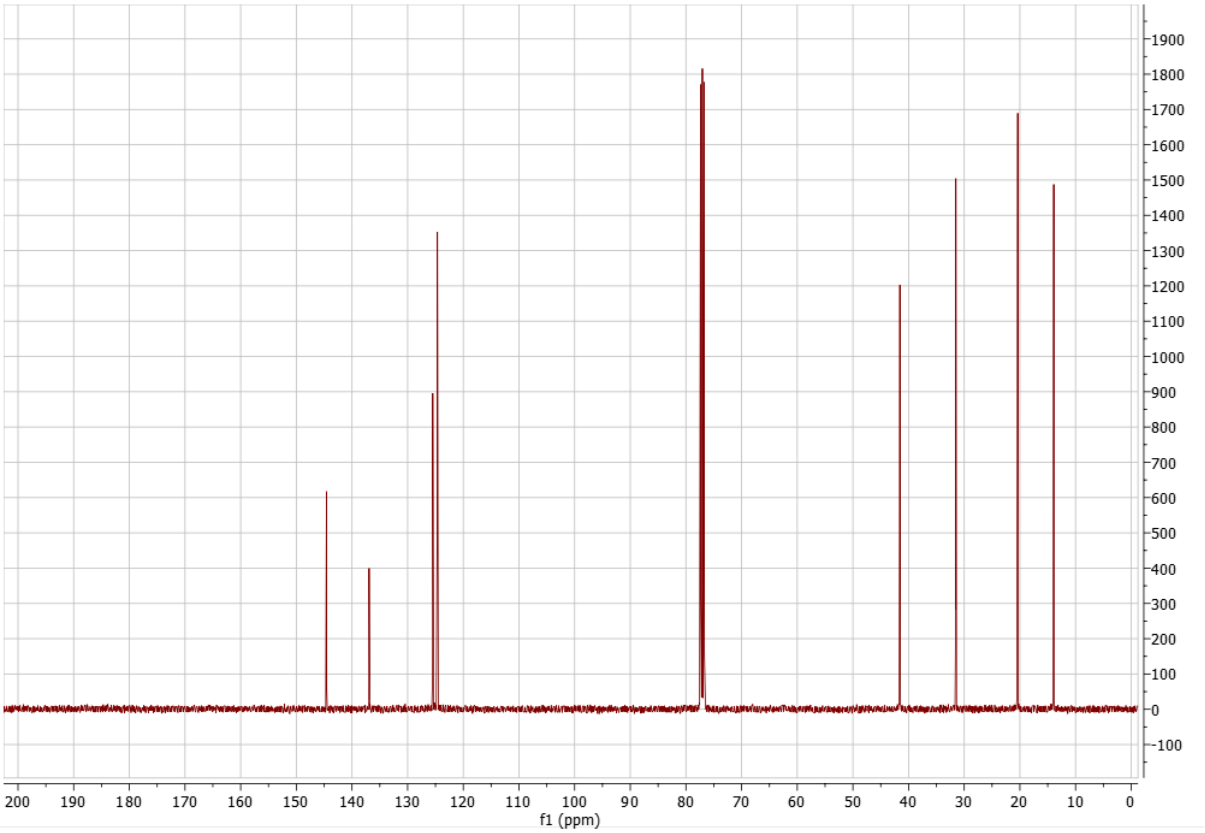


Compound 21 400MHz Proton NMR



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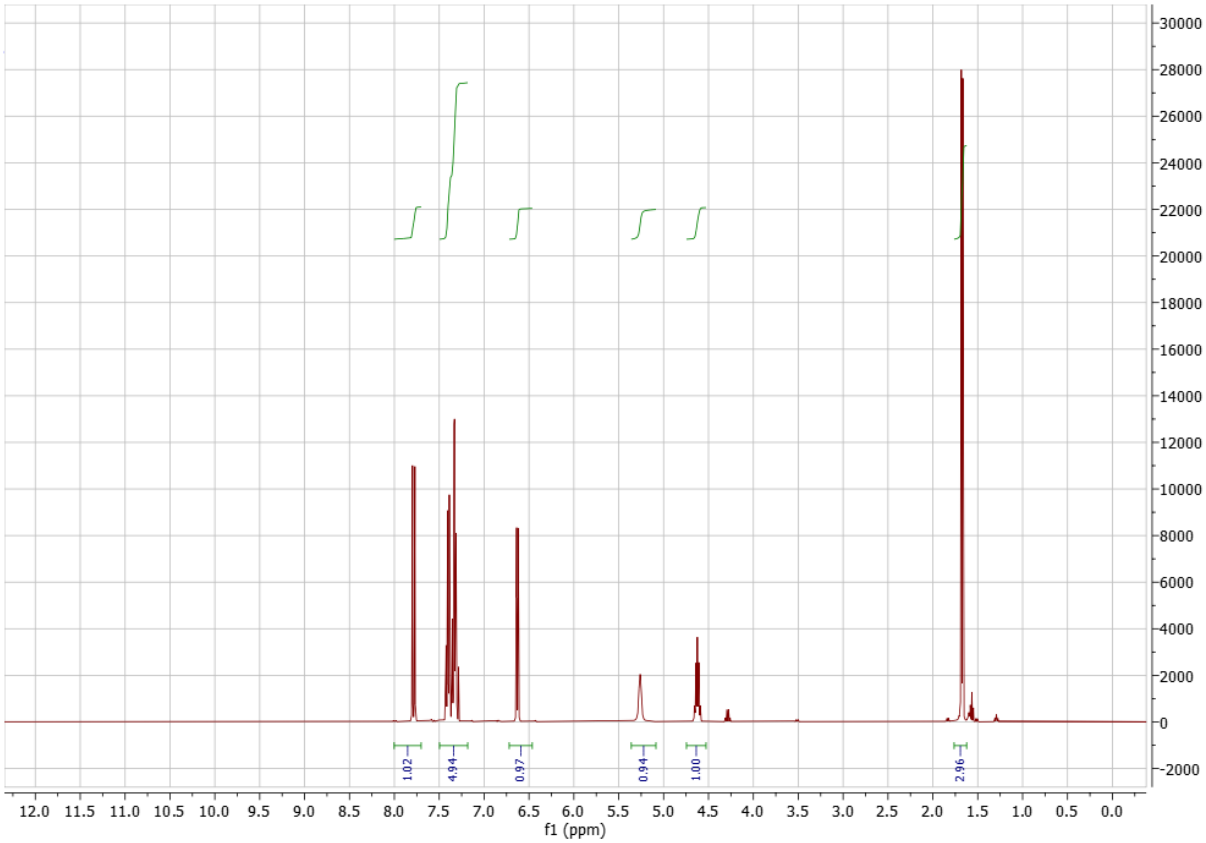
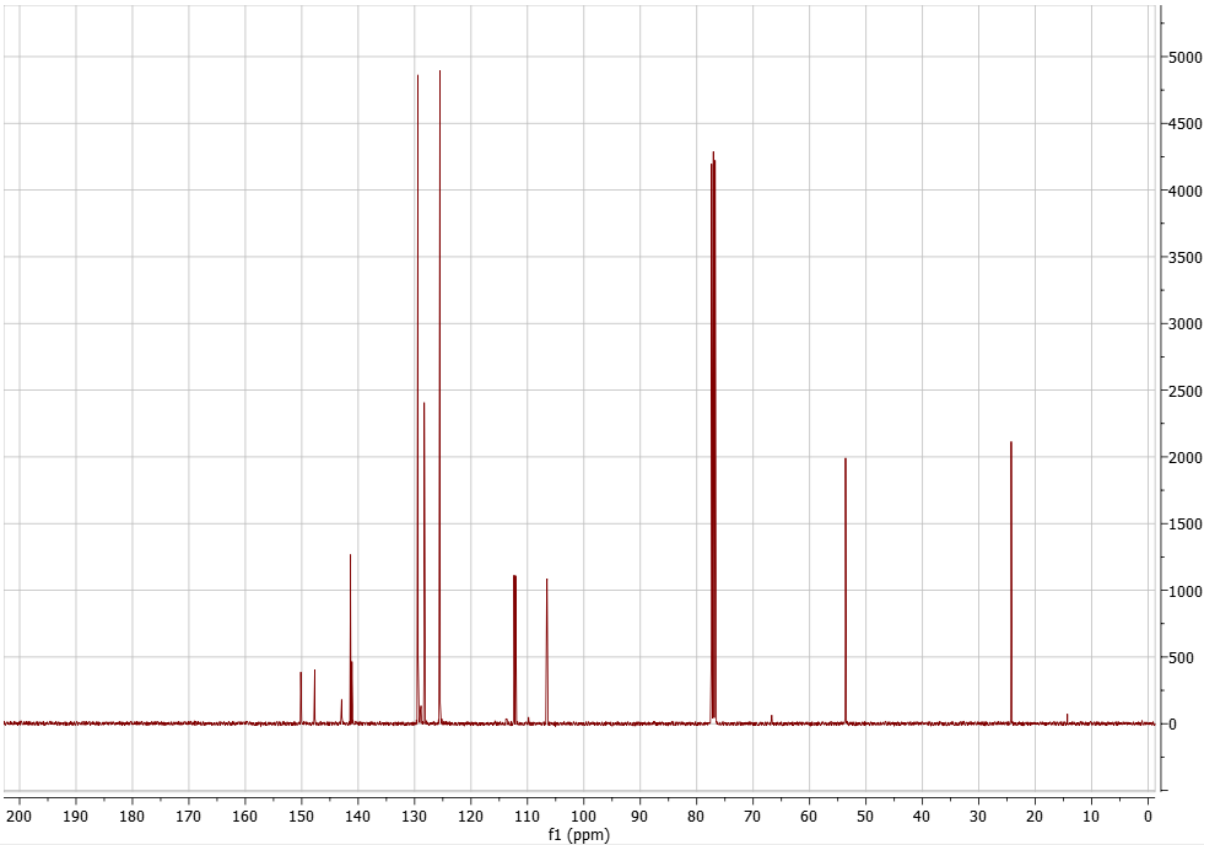
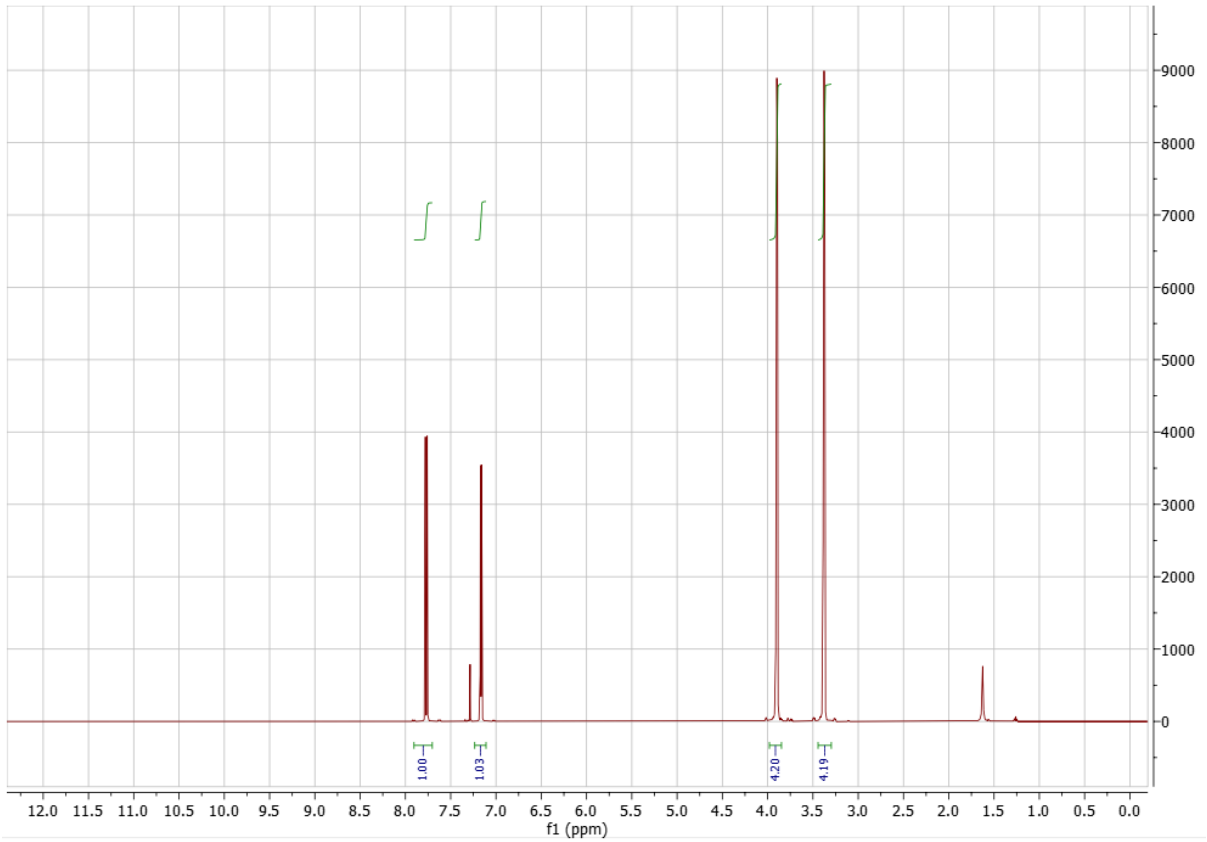


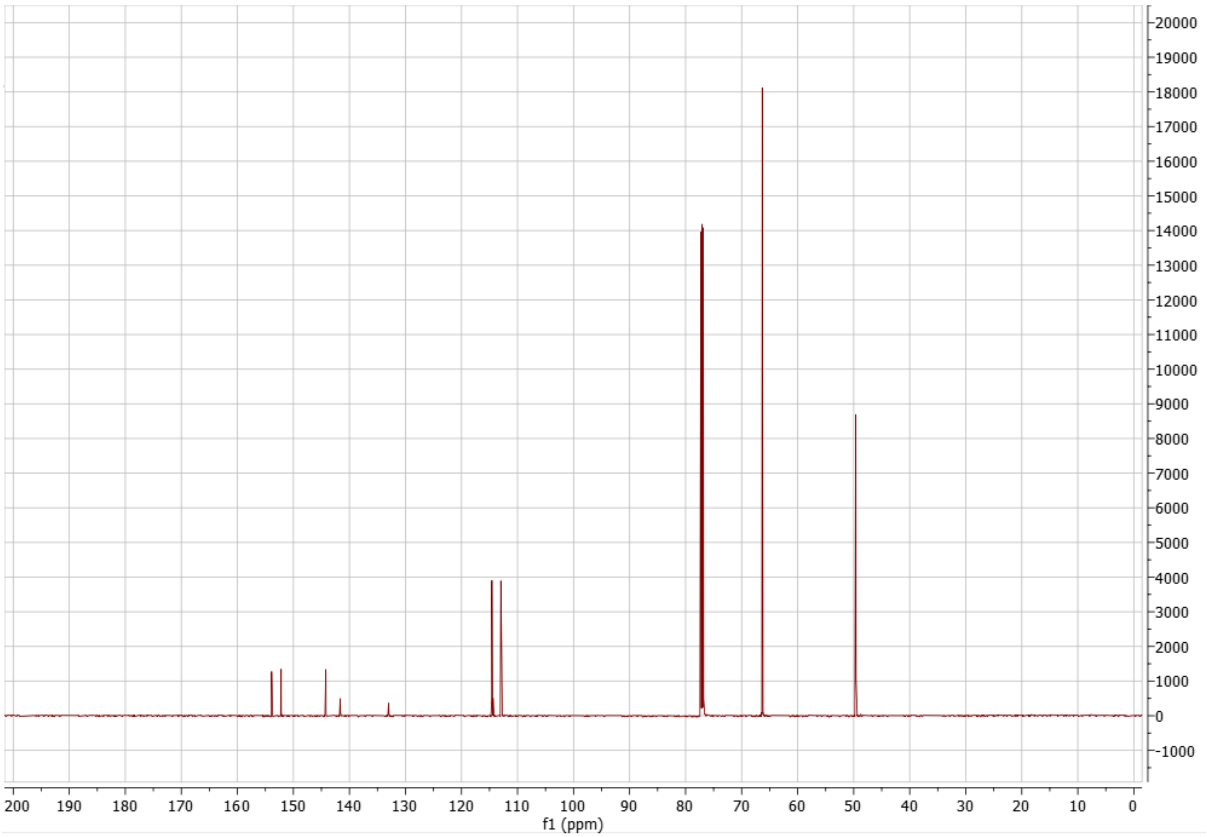
Compound 23 400 MHz Proton NMR $CDCl_3$



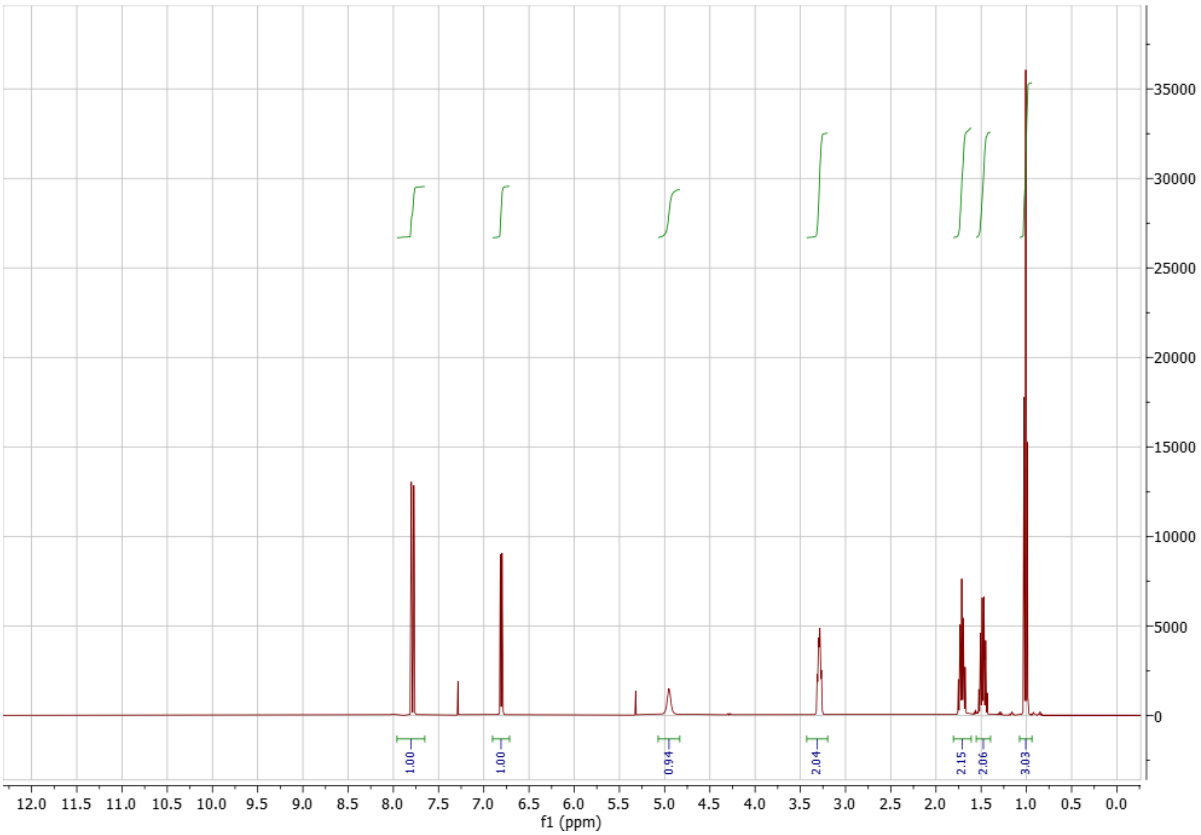
Compound 23 400 MHz 13 Carbon NMR $CDCl_3$



Compound 24 600 MHz Proton NMR $CDCl_3$



Compound 24 600 MHz 13 Carbon NMR $CDCl_3$



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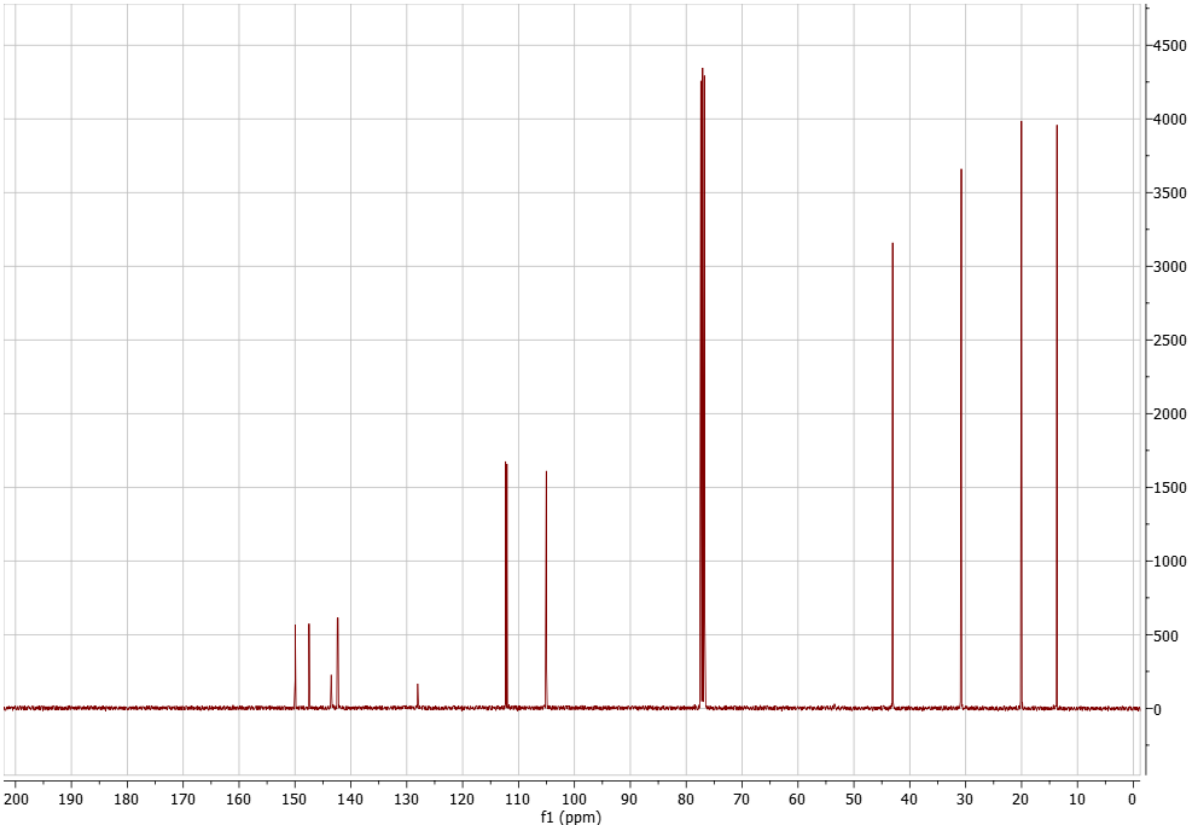
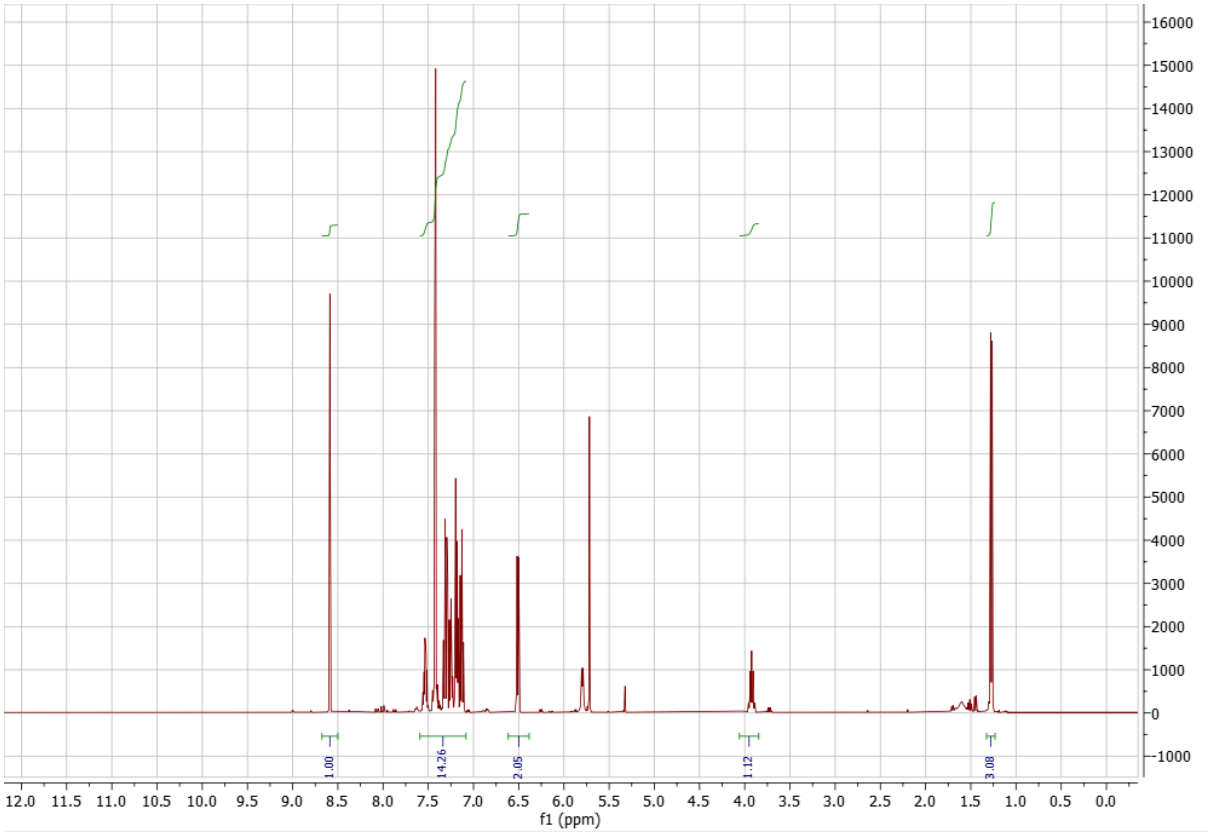


Compound 25 400 MHz 13 Carbon NMR $CDCl_3$



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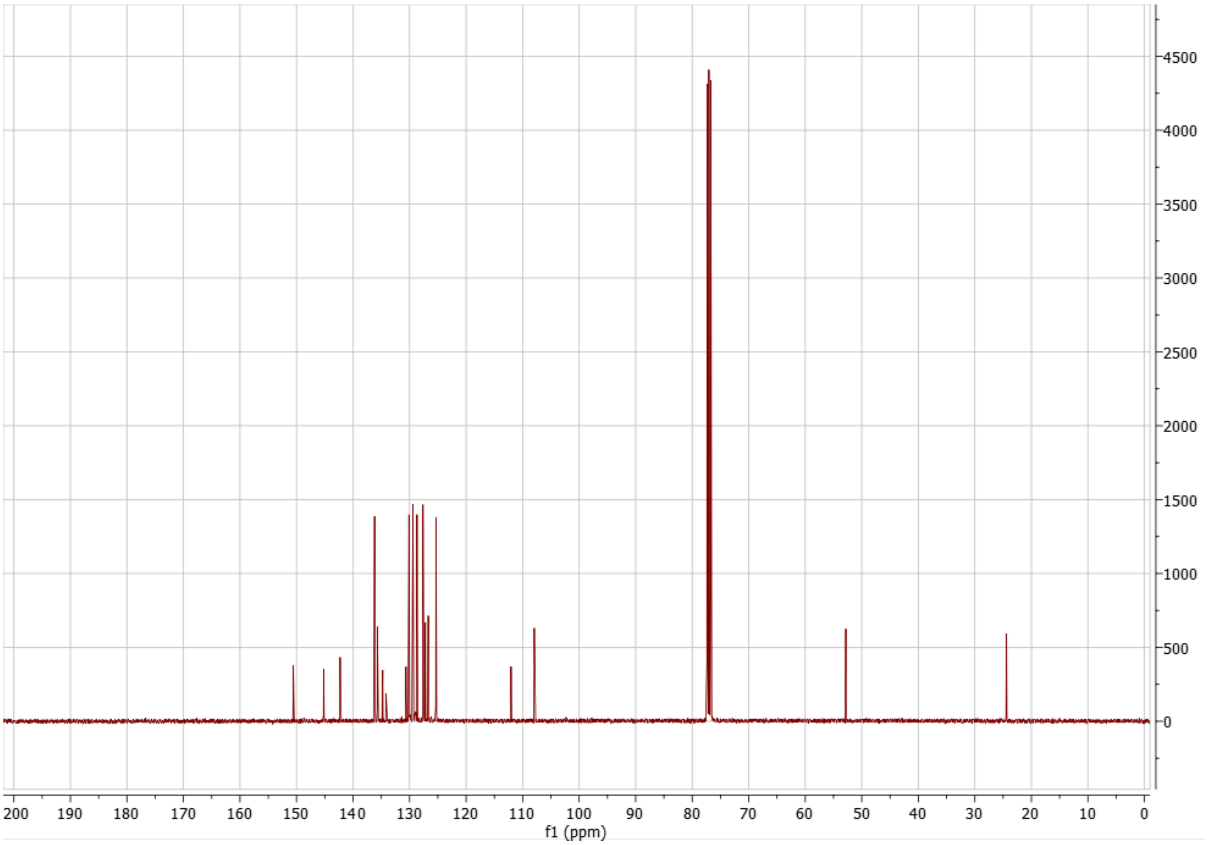

Compound 26 400 MHz 13 Carbon NMR $CDCl_3$