Electronic Supplementary Material (ESI) for Dalton Transactions.
This journal is © The Royal Society of Chemistry 2017

Supporting information for

Extremely bulky copper(I) complexes of [HB(3,5-{1-naphthyl}$_2$pz)$_3$]$^-$ and [HB(3,5-{2-naphthyl}$_2$pz)$_3$]$^-$ and their self-assembly on graphene.

Thomas F. van Dijkman,[a] Hans M. de Bruijn,[a] Tobias G. Brevé,[a] Bob van Meijeren,[a] Maxime A. Siegler[b] and Elisabeth Bouwman[a*]

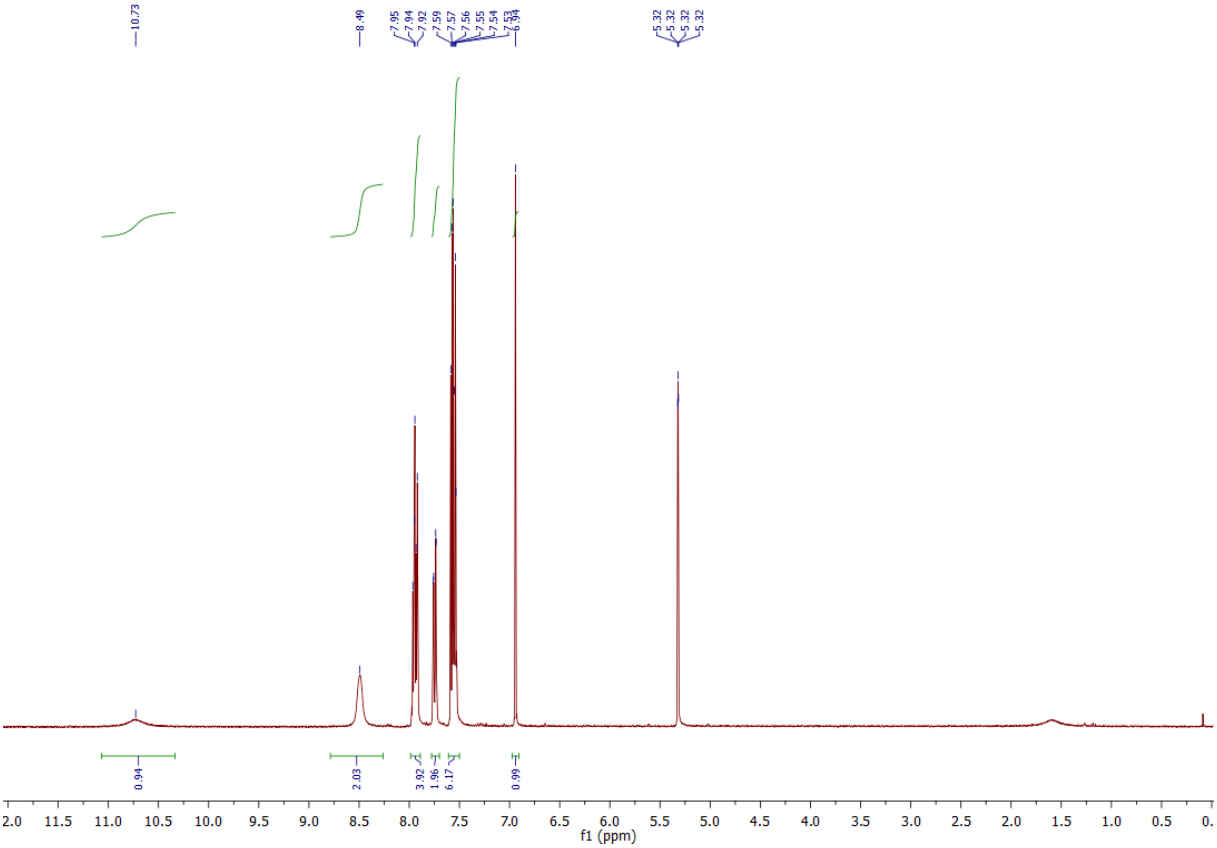
a, Leiden Institute of Chemistry, Leiden University, P.O. Box 9502, 2300 RA, Leiden, the Netherlands.

b, Department of Chemistry, Johns Hopkins University, MD 21218, Baltimore, USA.

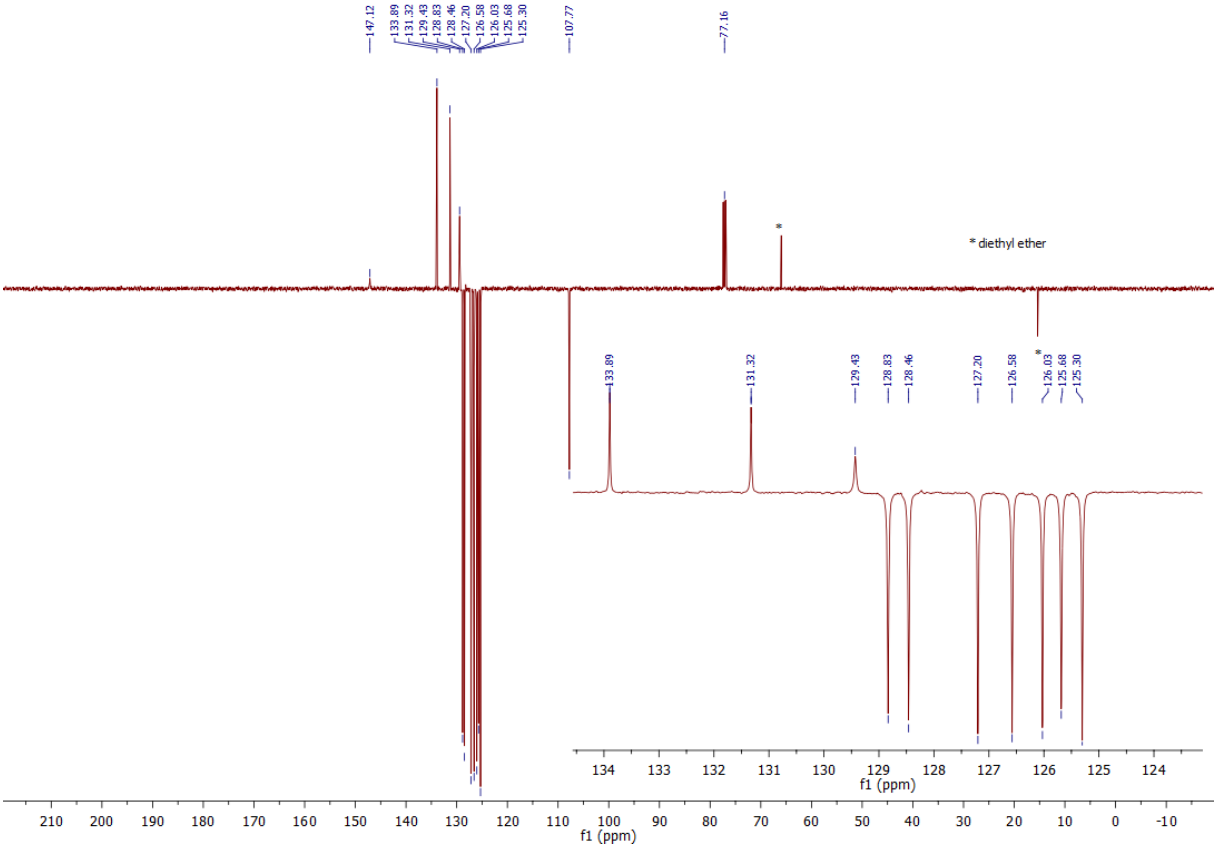
NMR Spectra

^{1}H – HPz$^{(1Nt)2}$ in CD_2Cl_2 2
^{13}C – HPz$^{(1Nt)2}$ in $CDCl_3$ 2
^{1}H – HPz$^{(2Nt)2}$ in DMSO-d_6 3
^{13}C – HPz$^{(2Nt)2}$ in DMSO-d_6 3
^{1}H – KTp$^{(1Nt)2}$•DMPU in CD_2Cl_2 4
^{13}C – KTp$^{(1Nt)2}$ in CD_2Cl_2 4
^{1}H – NaTp$^{(2Nt)2}$•DMPU in CD_2Cl_2 5
^{13}C – NaTp$^{(2Nt)2}$•DMPU in CD_2Cl_2 5
^{1}H – [Cu(Tp$^{(1Nt)2}$)CO] in C_6D_6 6
^{13}C – [Cu(Tp$^{(1Nt)2}$)CO] in C_6D_6 6
^{1}H – [Cu(Tp$^{(2Nt)2}$)CO] in CD_2Cl_2 7
^{13}C – [Cu(Tp$^{(2Nt)2}$)CO] in C_6D_6 7
^{1}H – [Cu(Tp$^{(1Nt)2}$)C_2H_4] in C_6D_6 at 343K 8
^{13}C – [Cu(Tp$^{(1Nt)2}$)C_2H_4] in C_6D_6 at 343 K 8
^{1}H – [Cu(Tp$^{(2Nt)2}$)C_2H_4] in C_6D_6 9
^{13}C – [Cu(Tp$^{(2Nt)2}$)C_2H_4] in C_6D_6 9

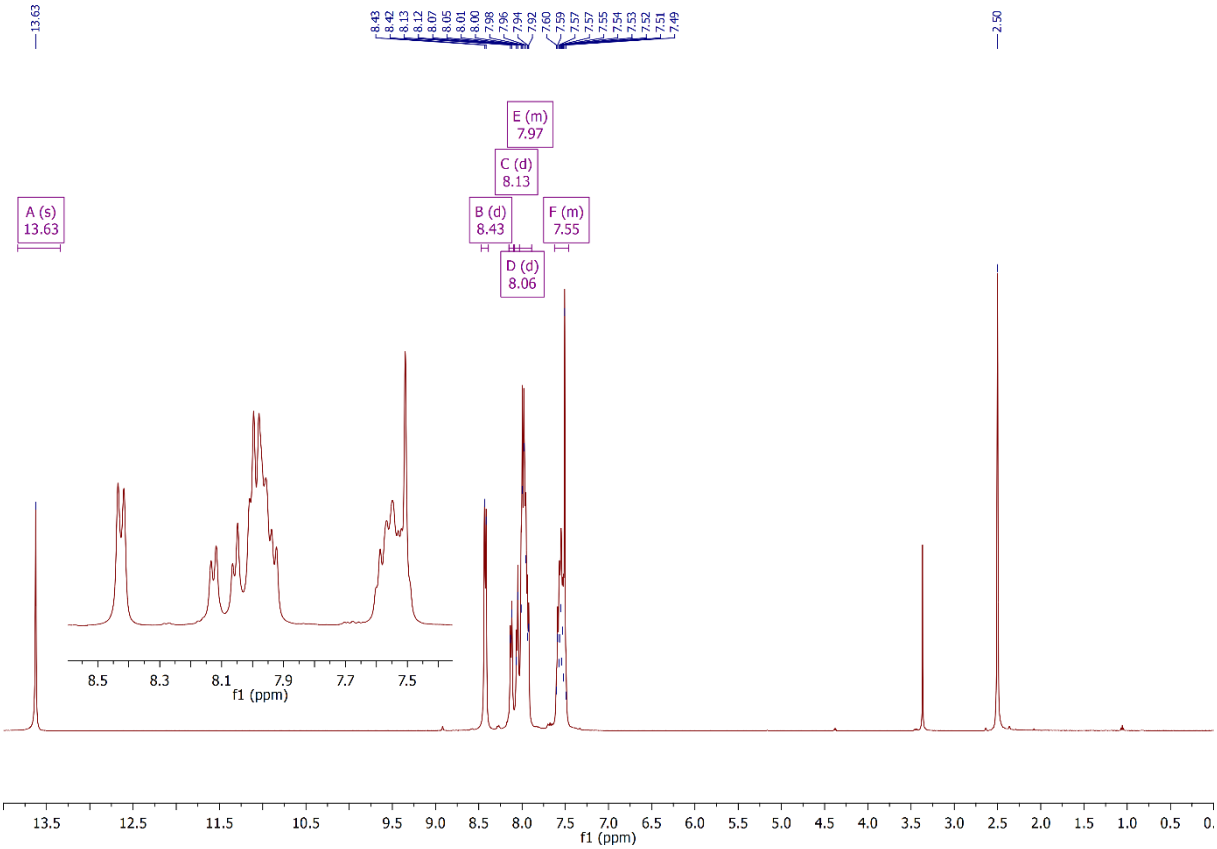
^{1}H – $HPz^{(1Nt)2}$ in CD_2Cl_2



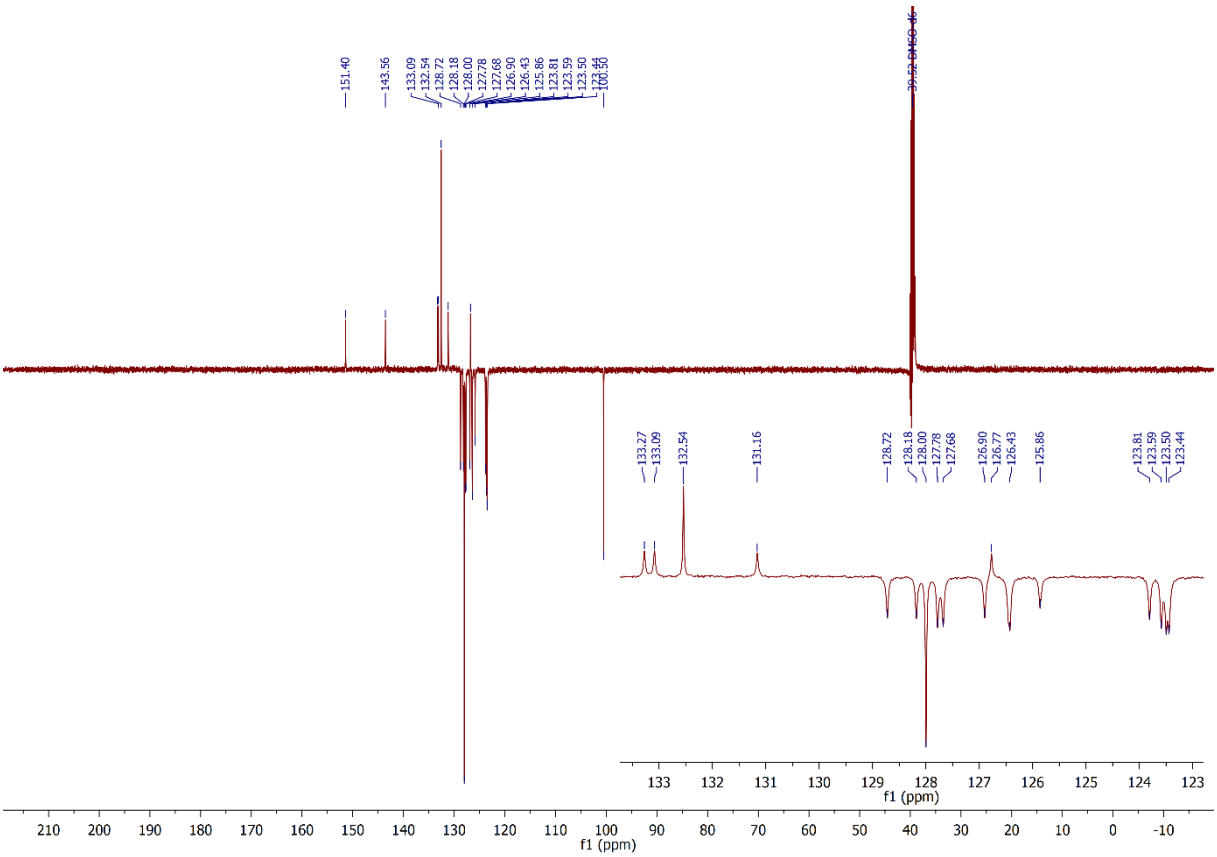
^{13}C – $HPz^{(1Nt)2}$ in $CDCl_3$



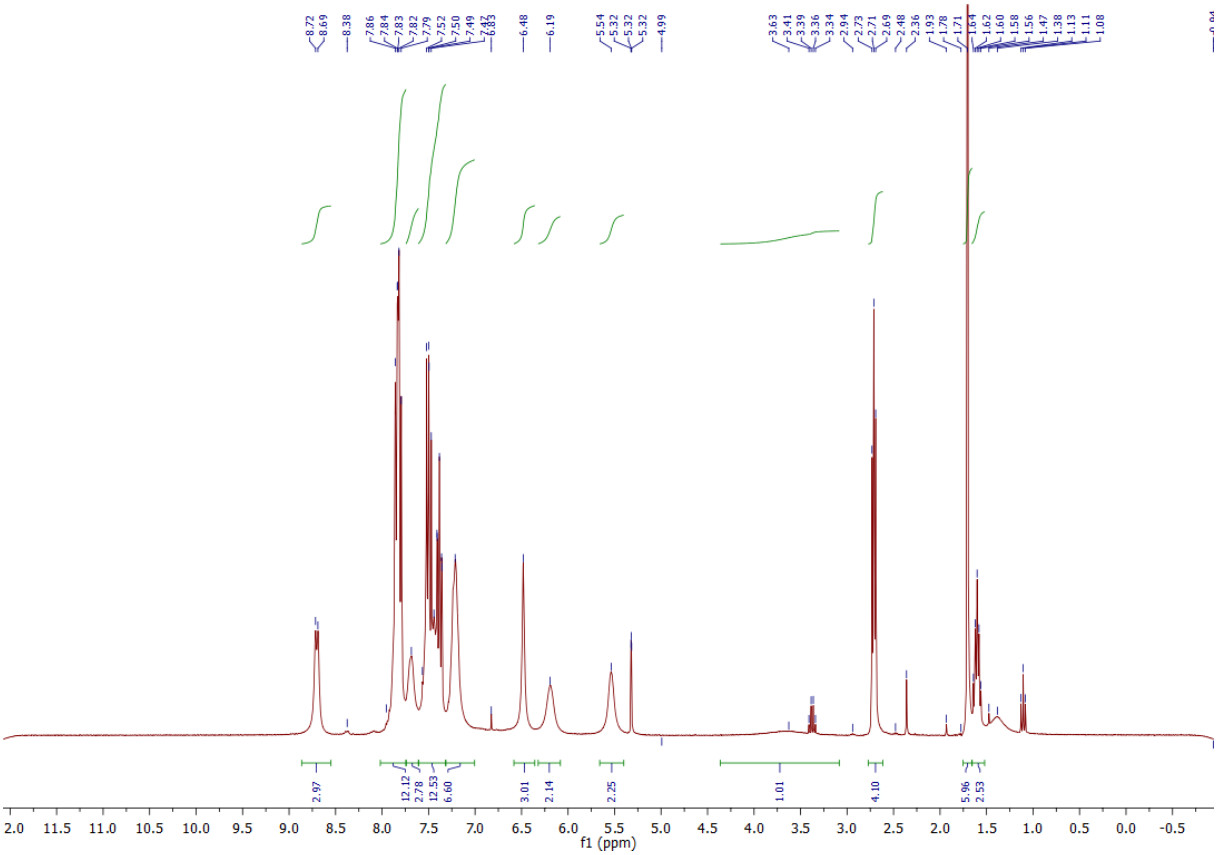
^{1}H – HPz$^{(2Nt)2}$ in DMSO-d_6



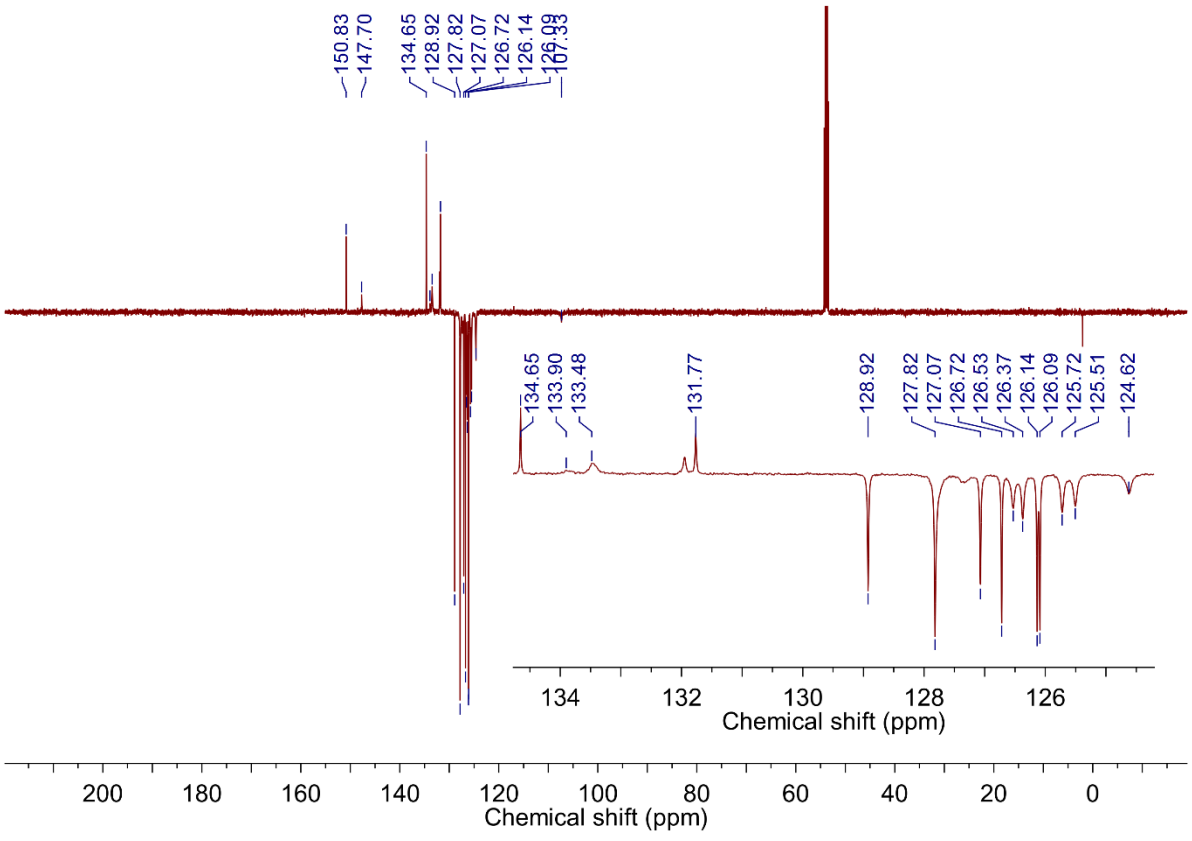
^{13}C – HPz$^{(2Nt)2}$ in DMSO-d_6



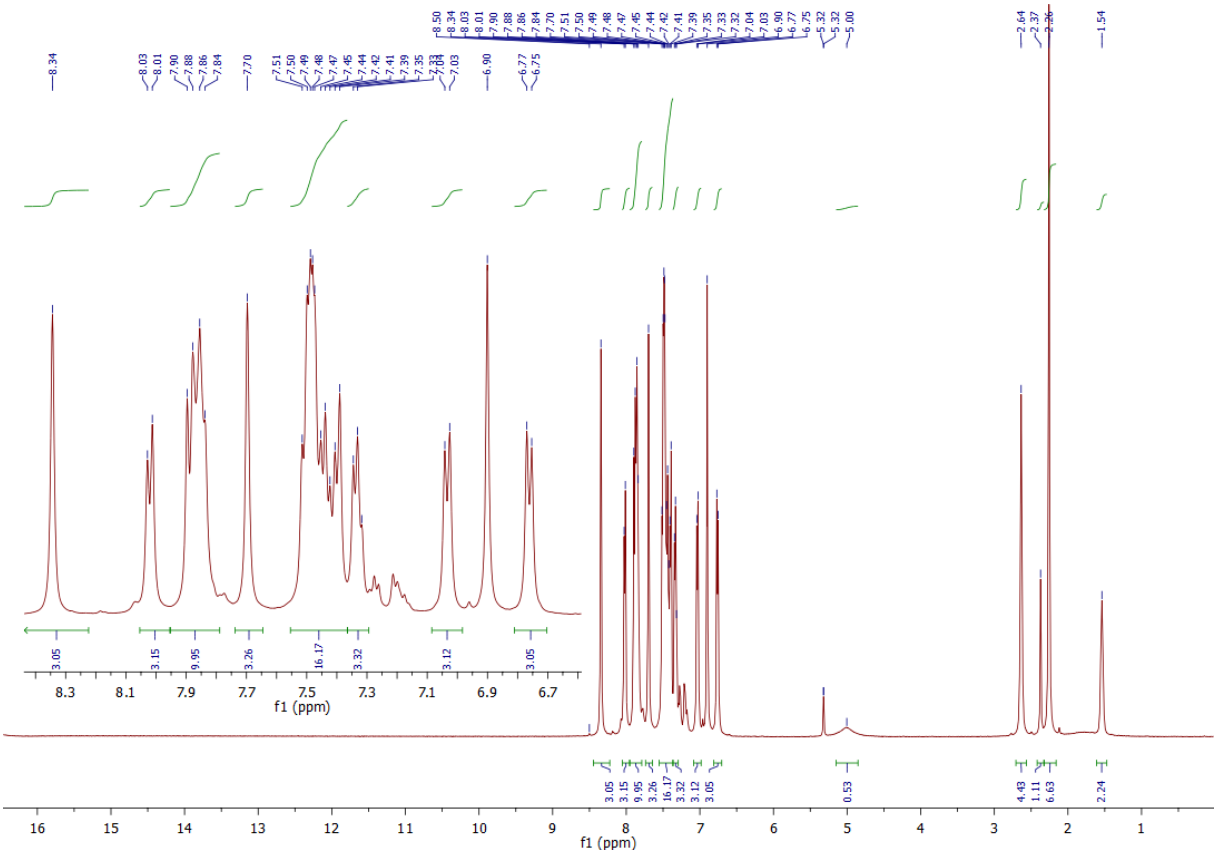
^{1}H – $KTp^{(1Nt)2}$•DMPU in CD_2Cl_2



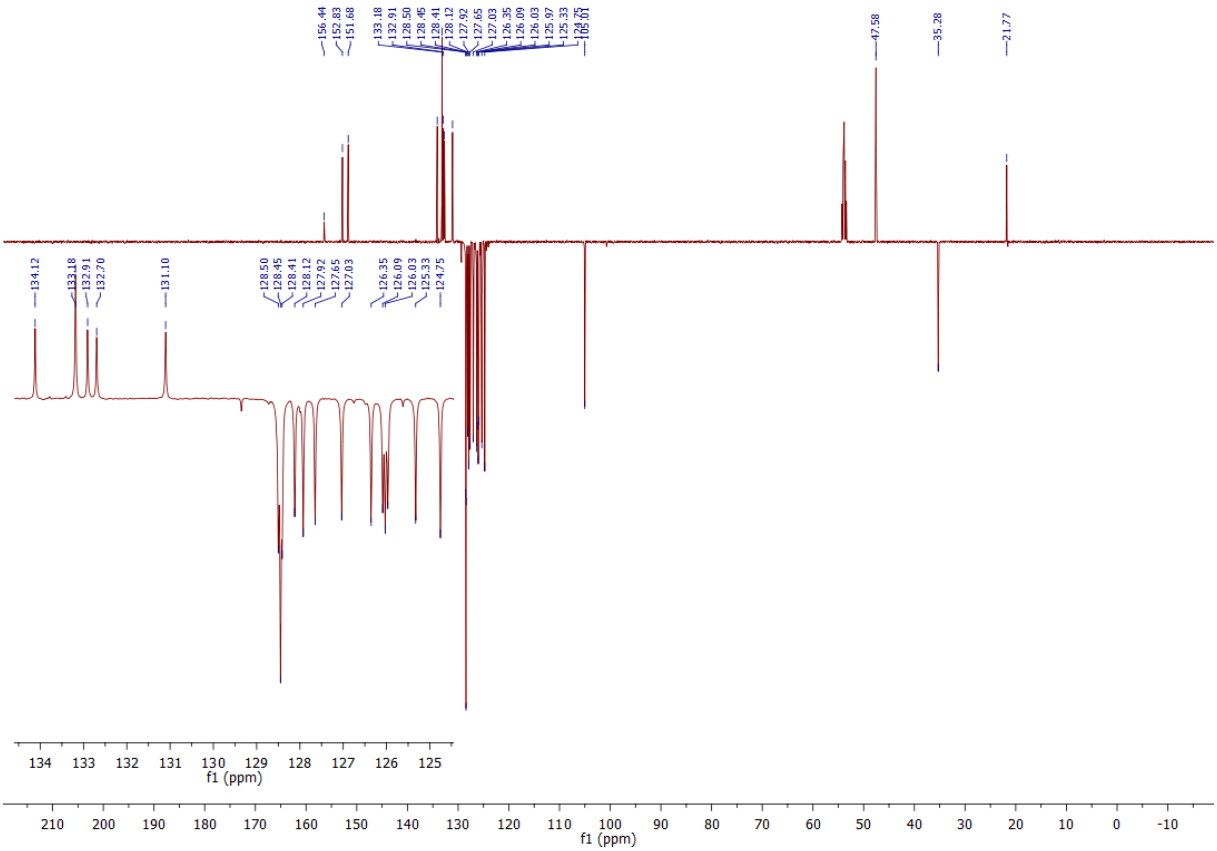
^{13}C – $KTp^{(1Nt)2}$ in CD_2Cl_2



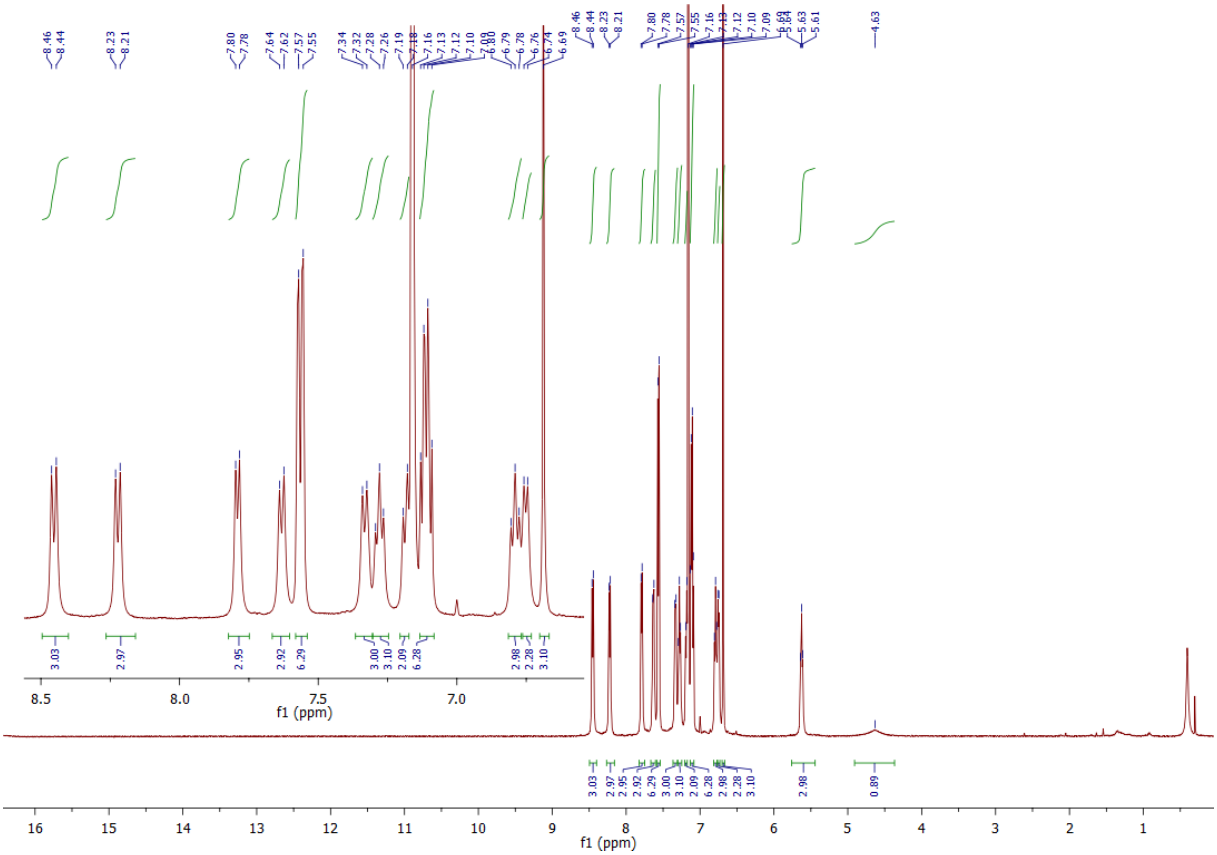
^{1}H – $NaTp^{(2Nt)2}$•DMPU in CD_2Cl_2



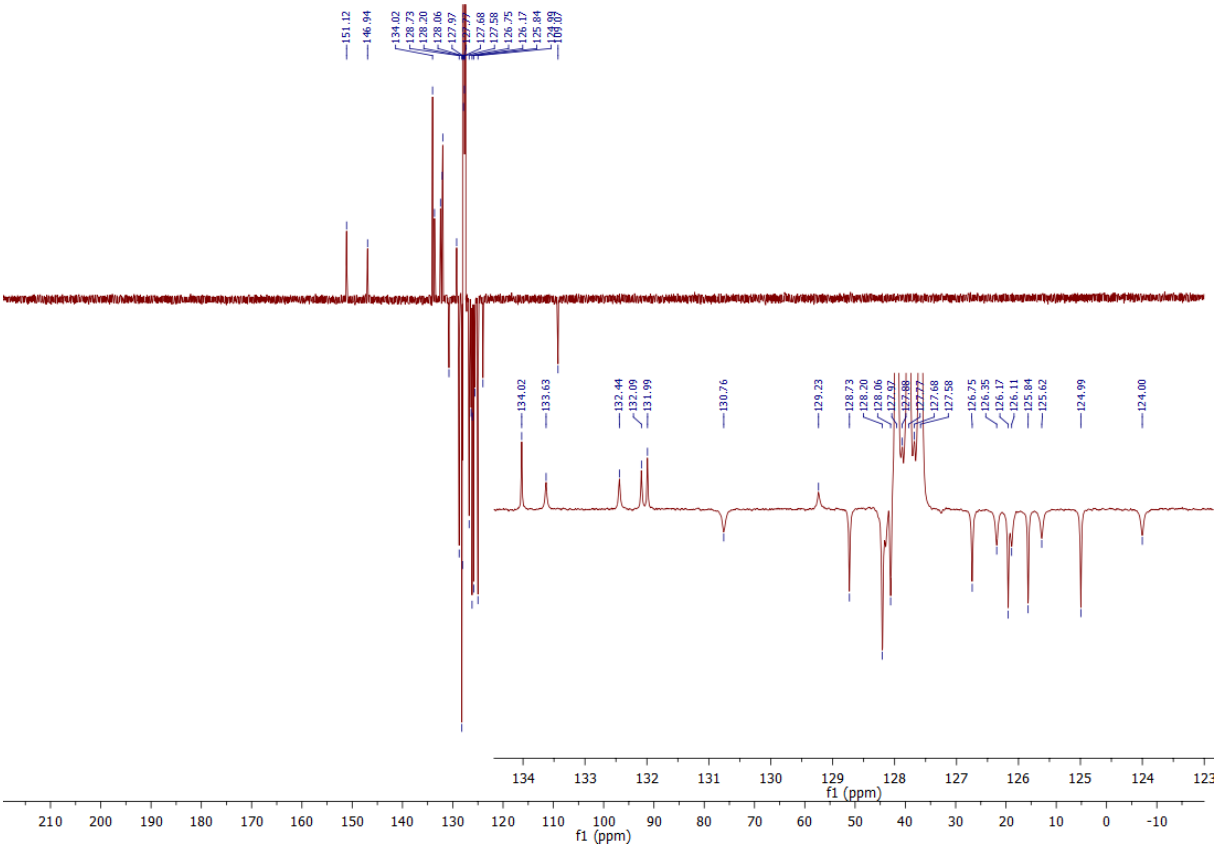
^{13}C – $NaTp^{(2Nt)2}$•DMPU in CD_2Cl_2



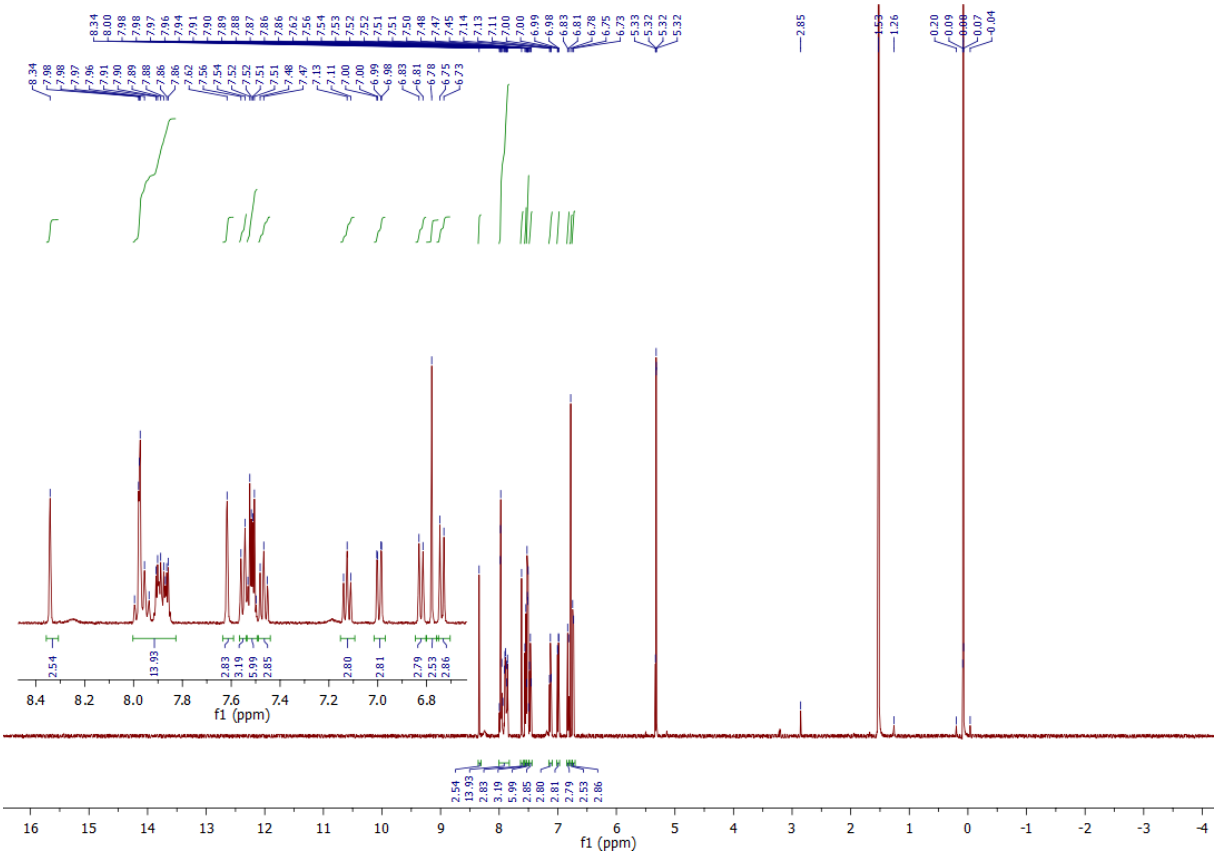
^{1}H – [Cu(Tp$^{(1Nt)2}$)CO] in C_6D_6



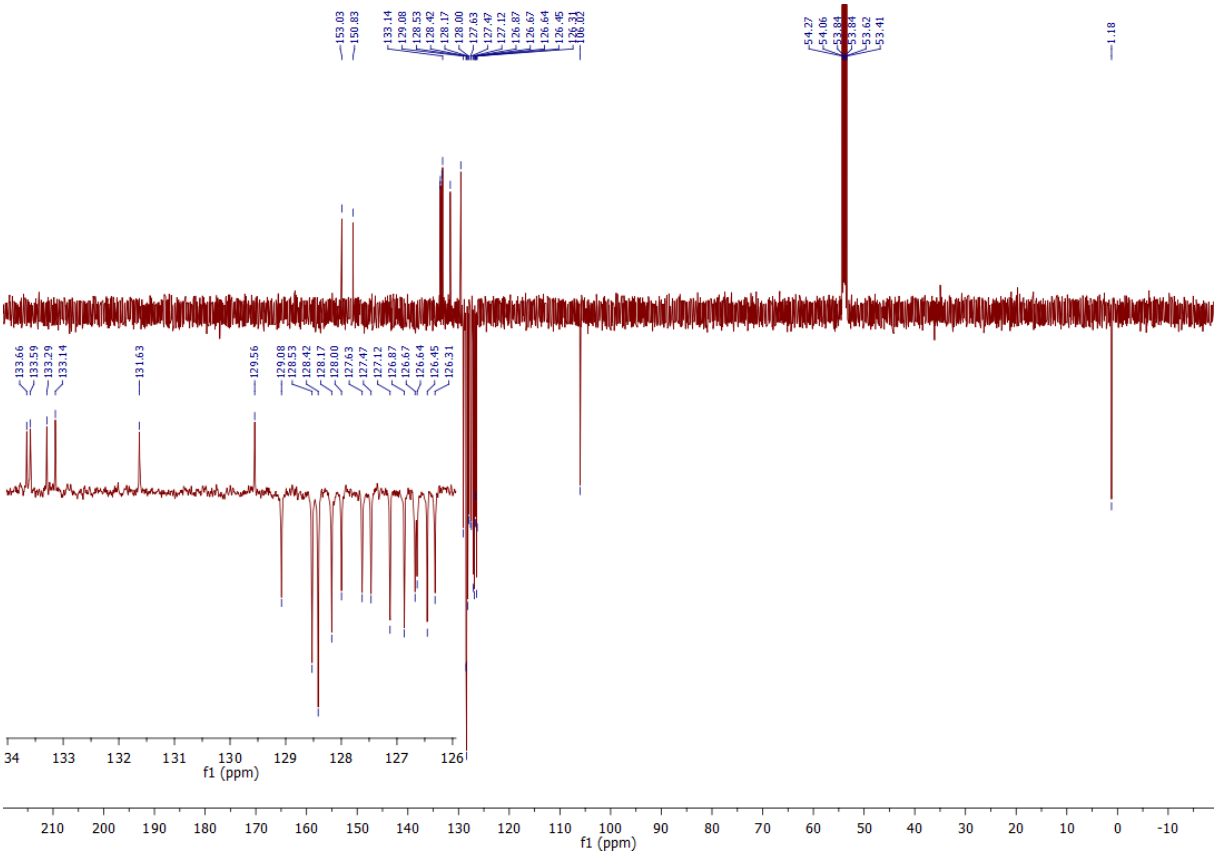
^{13}C – [Cu(Tp$^{(1Nt)2}$)CO] in C_6D_6



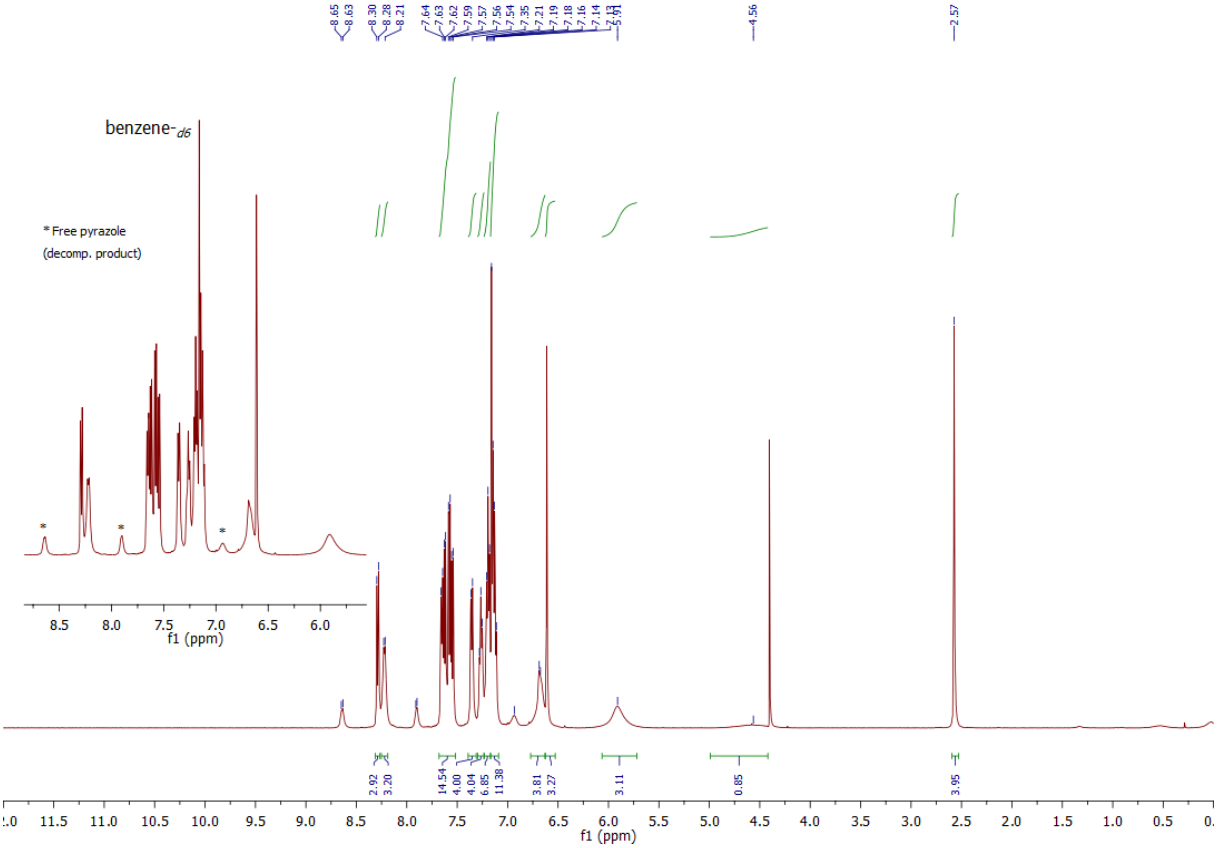
^{1}H – [Cu(Tp$^{(2Nt)2}$)CO] in CD_2Cl_2



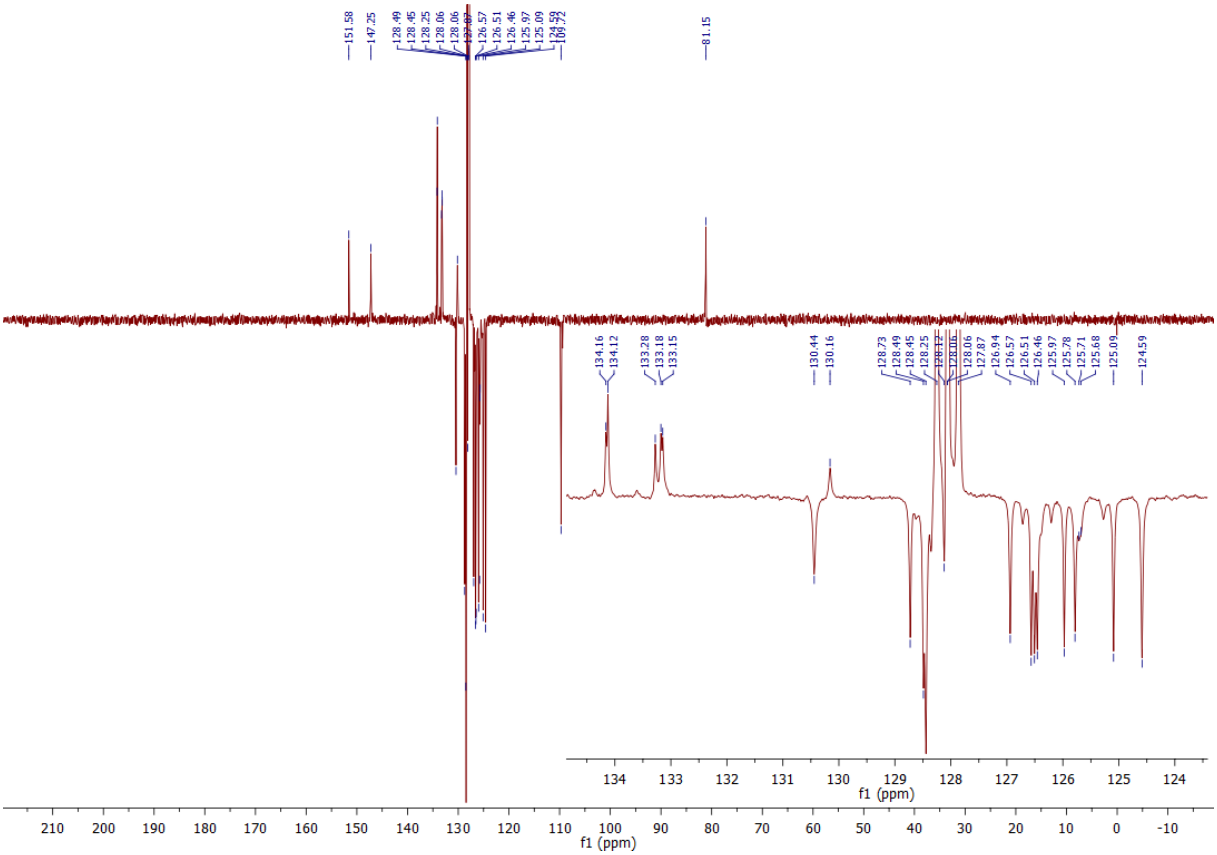
^{13}C – [Cu(Tp$^{(2Nt)2}$)CO] in C_6D_6



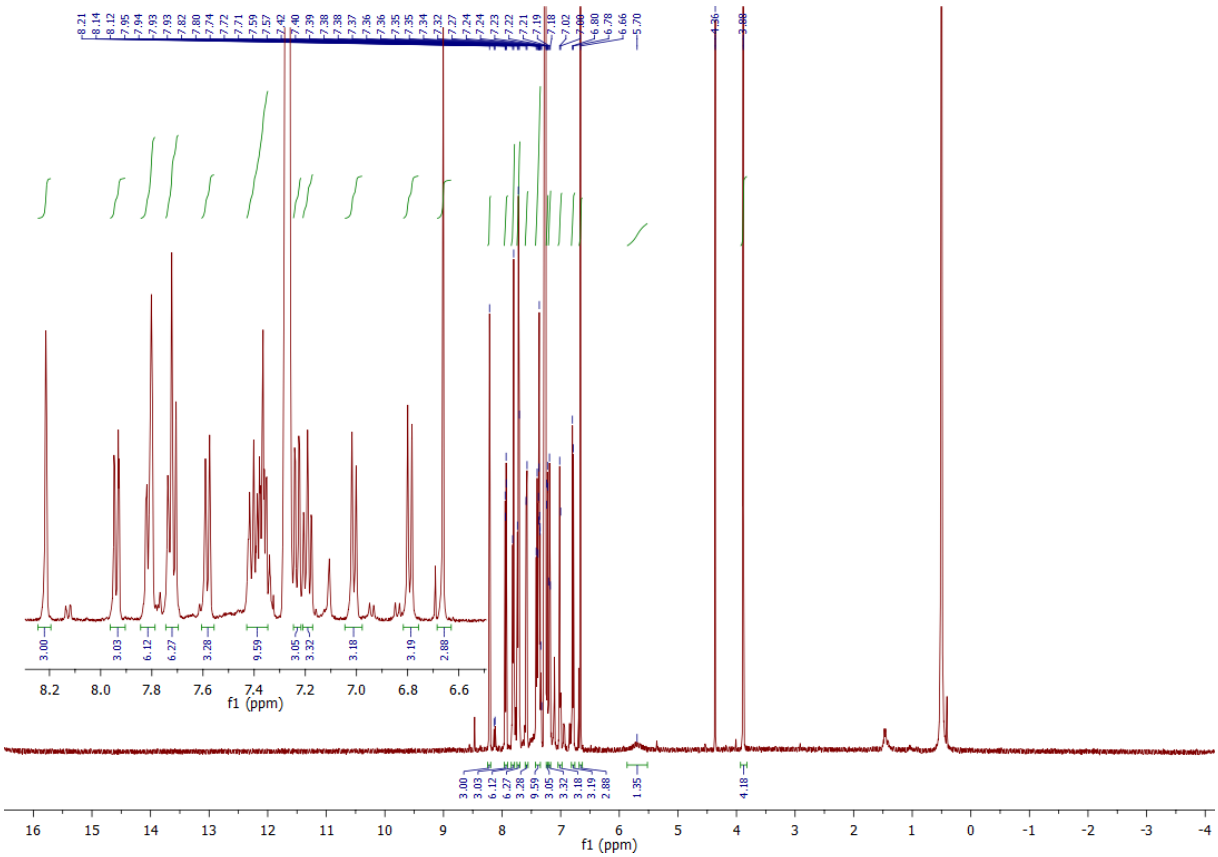
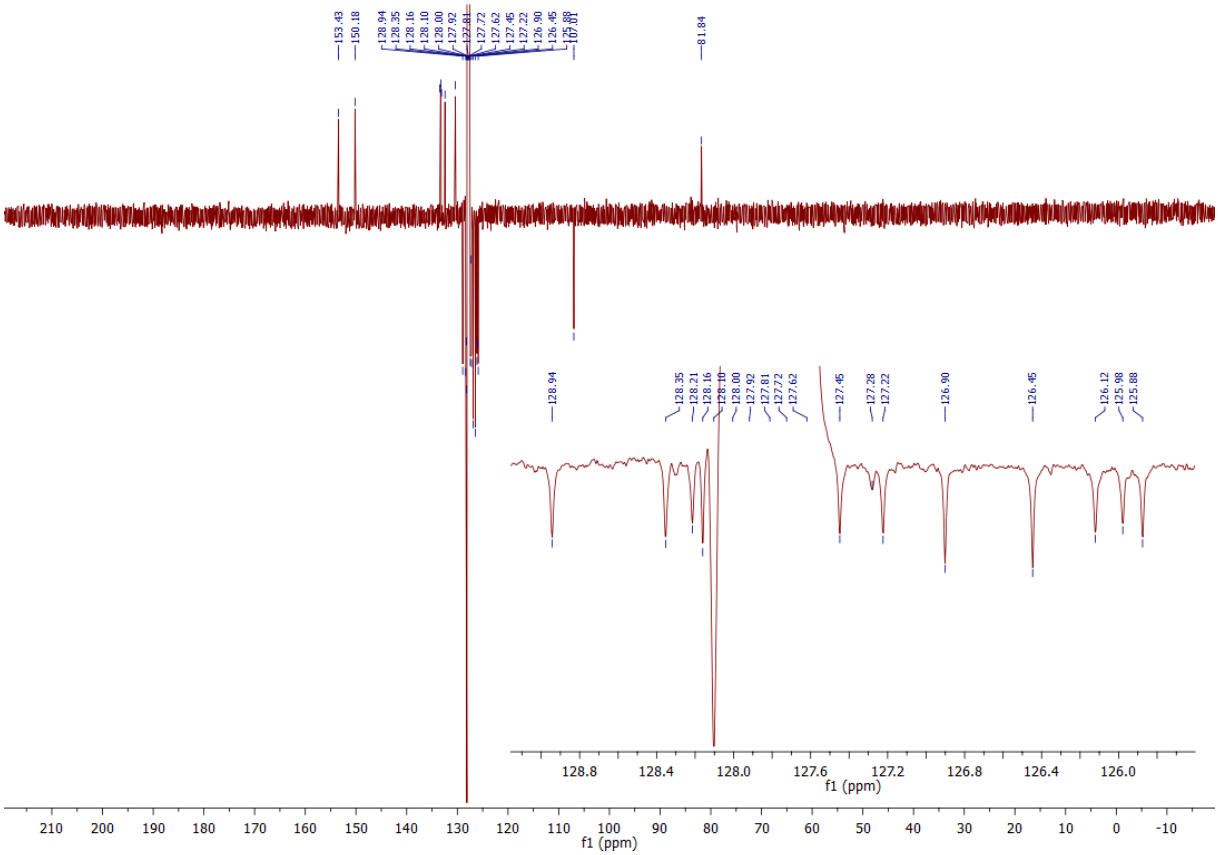
^{1}H – $[Cu(Tp^{(1Nt)2})C_2H_4]$ in C_6D_6 at 343K.



^{13}C – $[Cu(Tp^{(1Nt)2})C_2H_4]$ in C_6D_6 at 343 K.



^{1}H – $[Cu(Tp^{(2Nt)2})C_2H_4]$ in C_6D_6



^{13}C – $[Cu(Tp^{(2Nt)2})C_2H_4]$ in C_6D_6