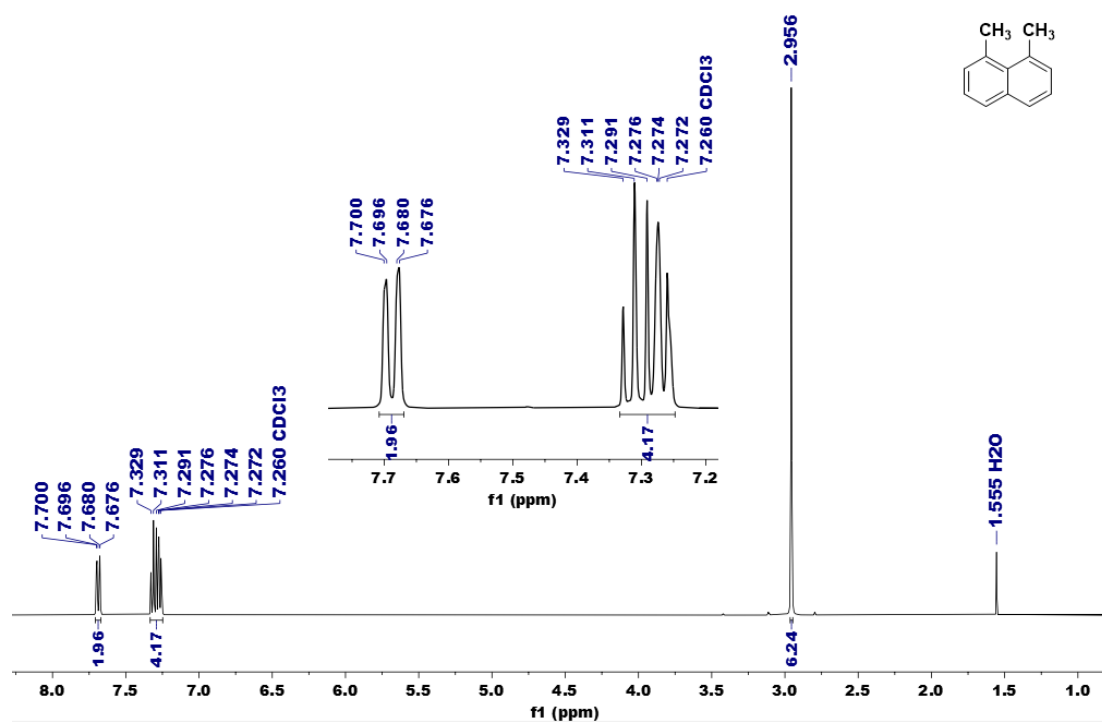
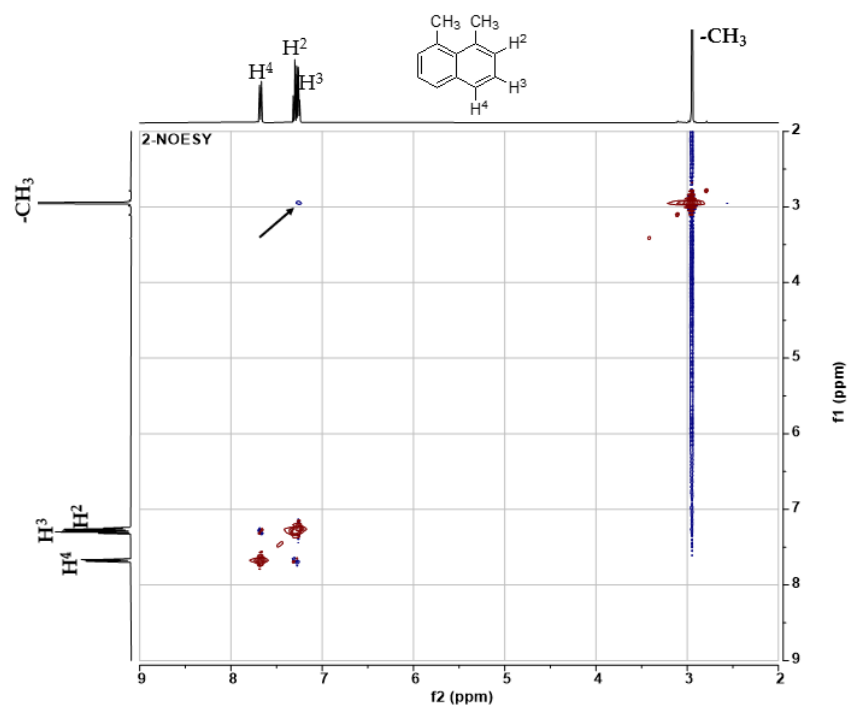


Supplementary Materials

1,8-Dimethylnaphthalene (7)

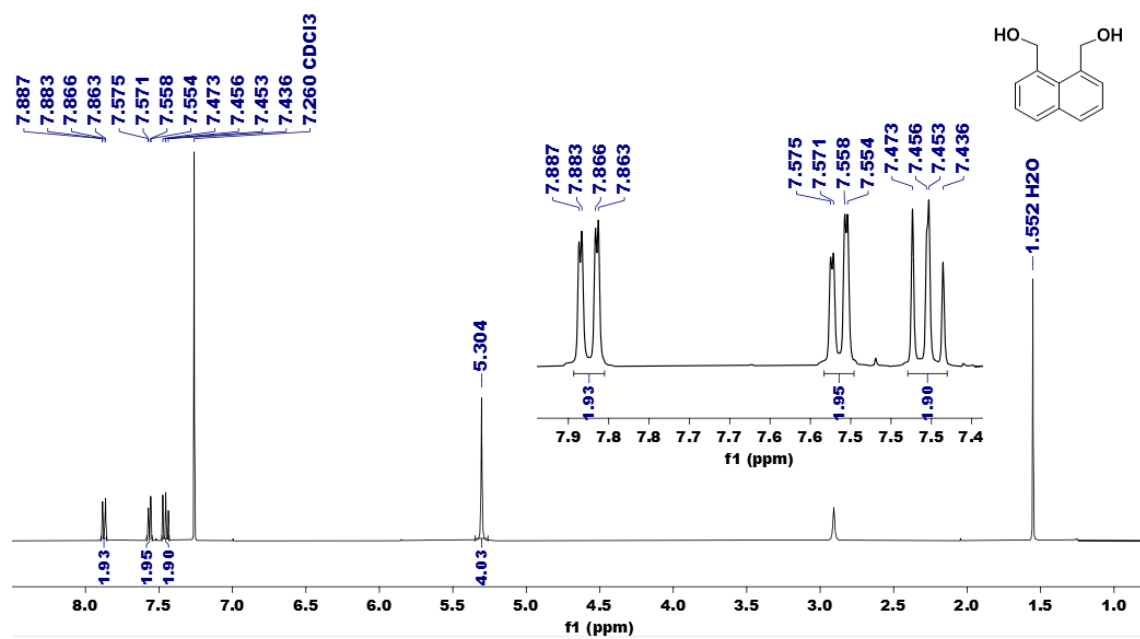


¹H NMR (CDCl₃, 400 MHz) of compound 7

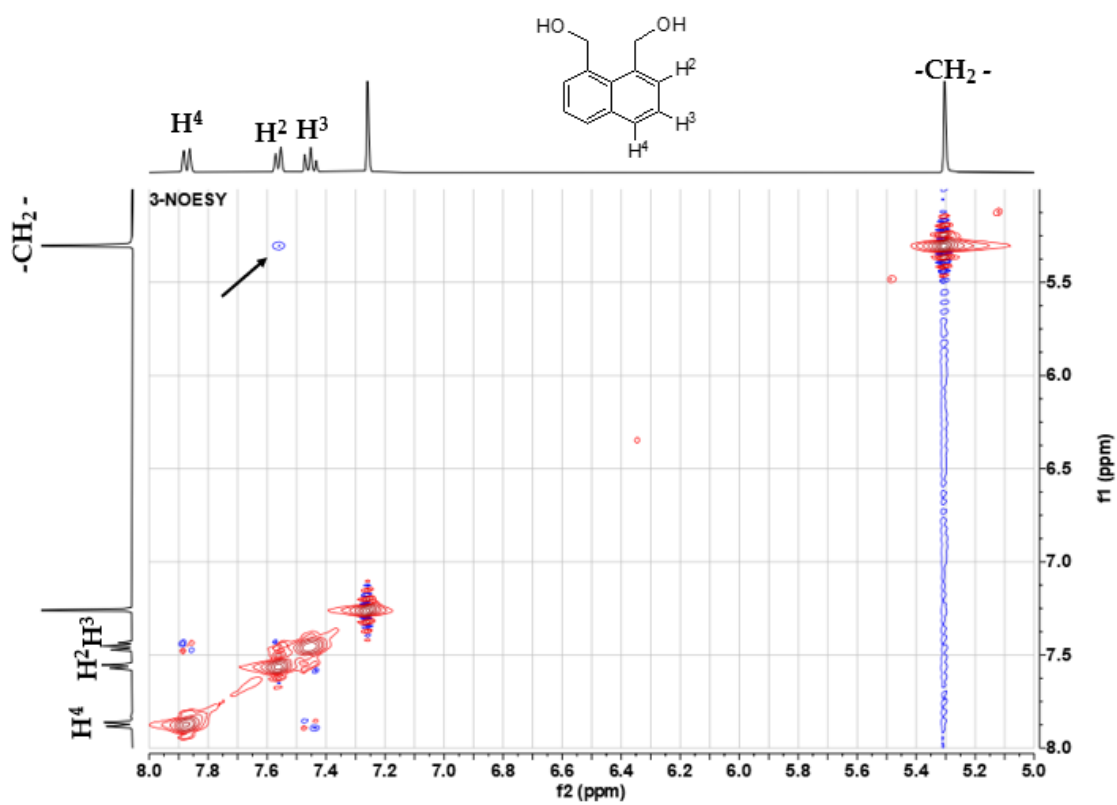


NOESY spectrum of compound 7

1,8-Bis(hydroxymethyl)naphthalene (8)

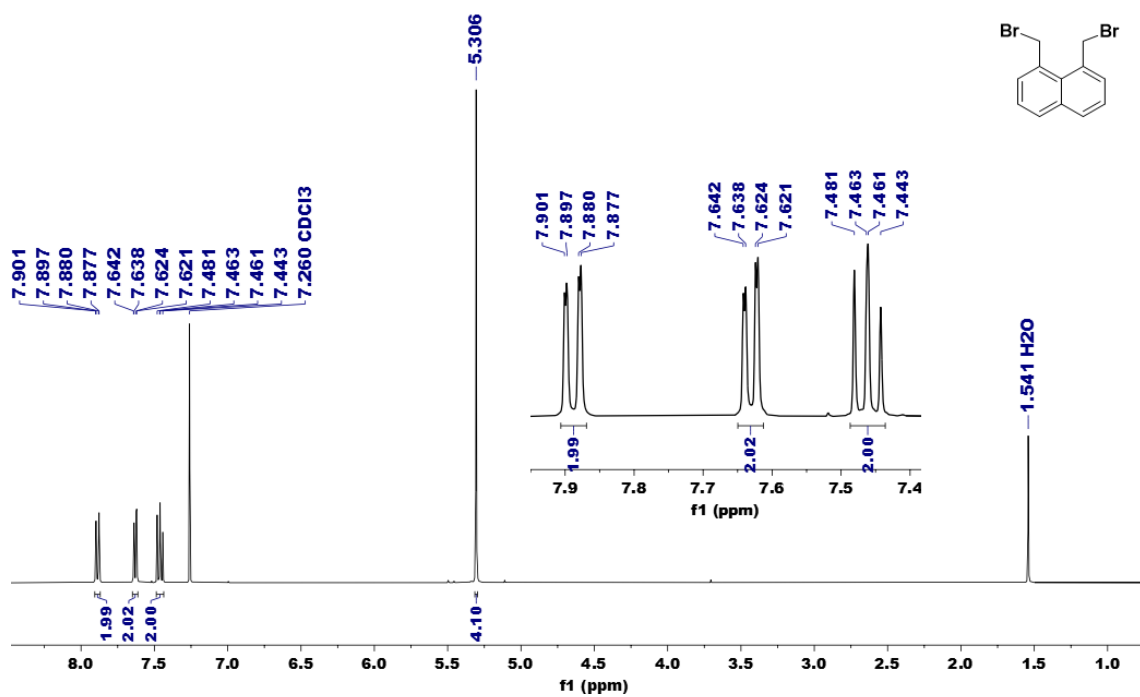


¹H NMR (CDCl₃, 400 MHz) of compound 8

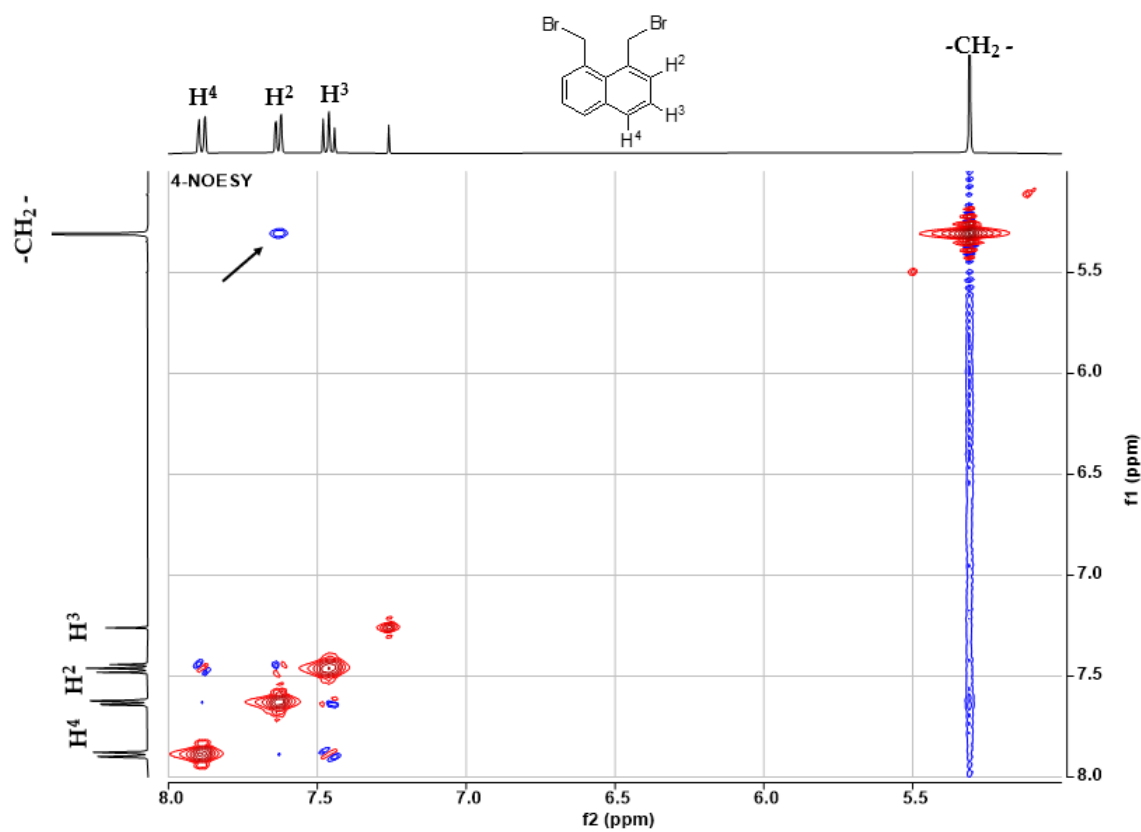


NOESY spectrum of compound 8

1,8-Bis(bromomethyl)naphthalene (9)

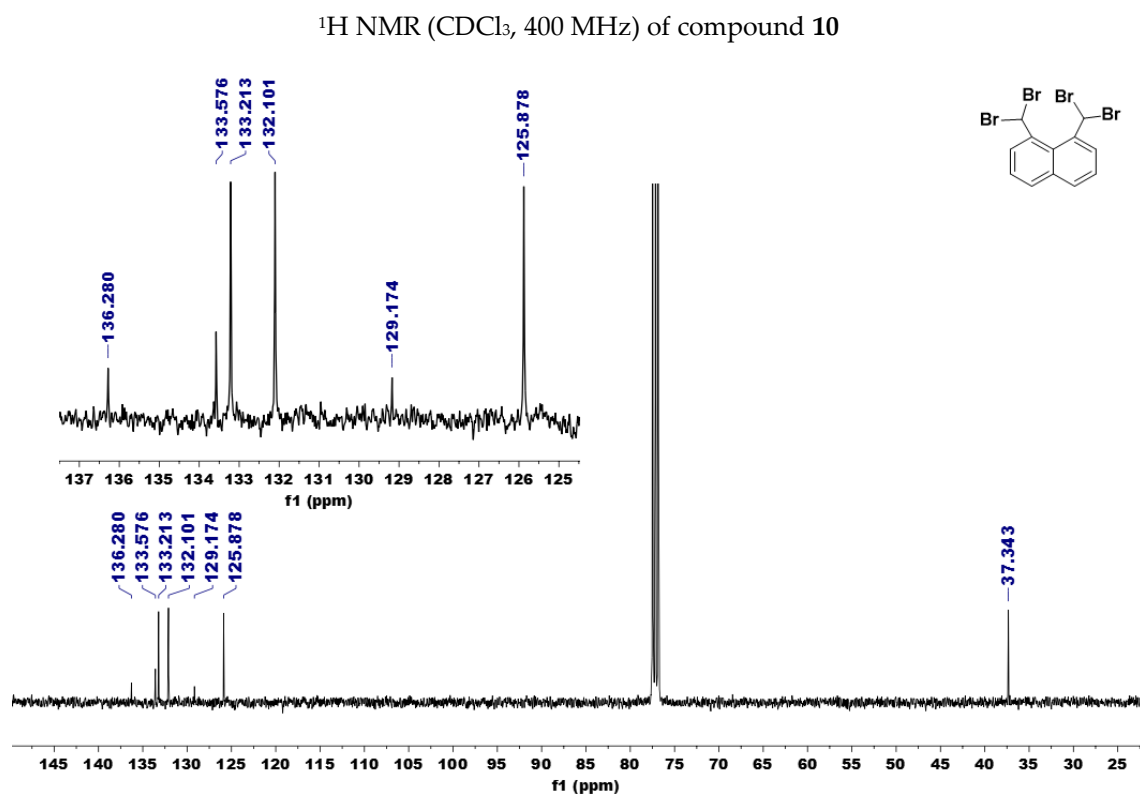
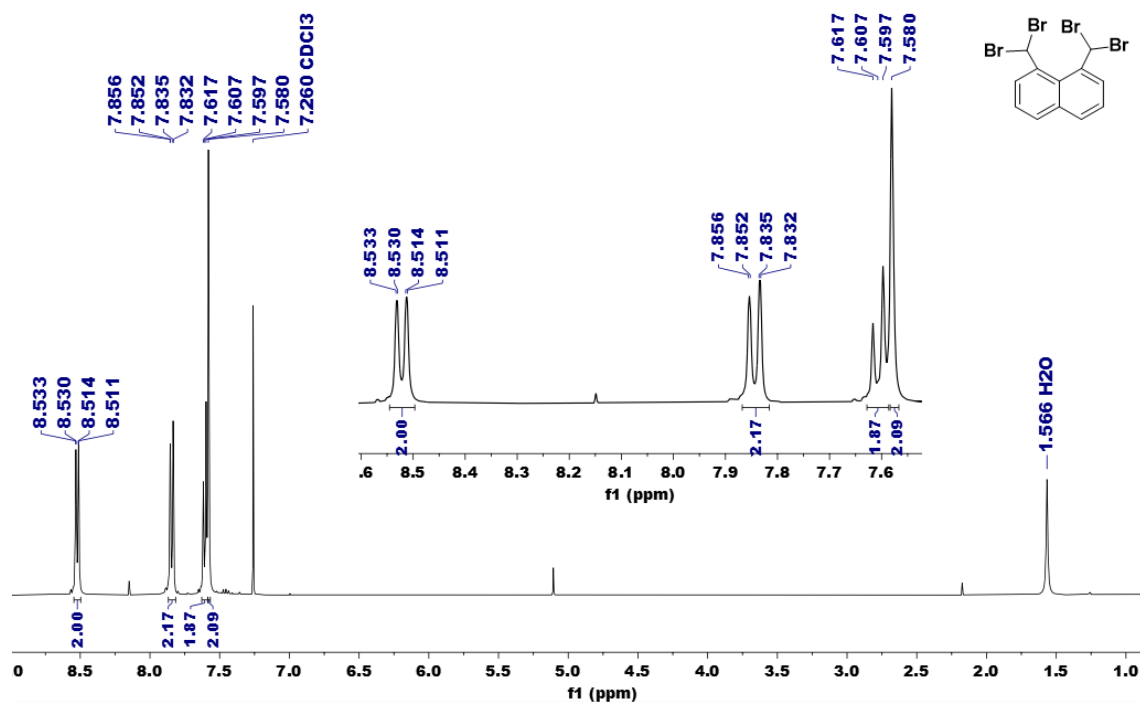


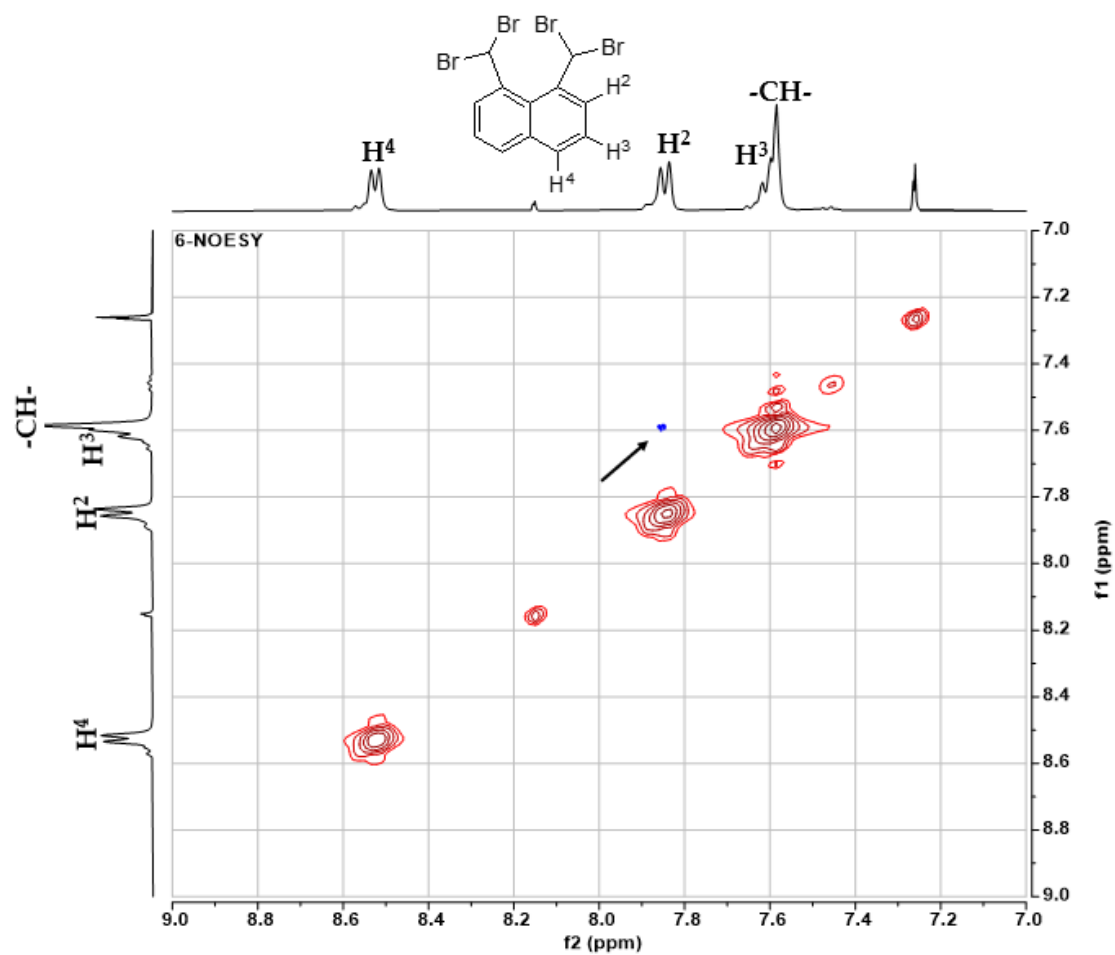
¹H NMR (CDCl₃, 400 MHz) of compound 9



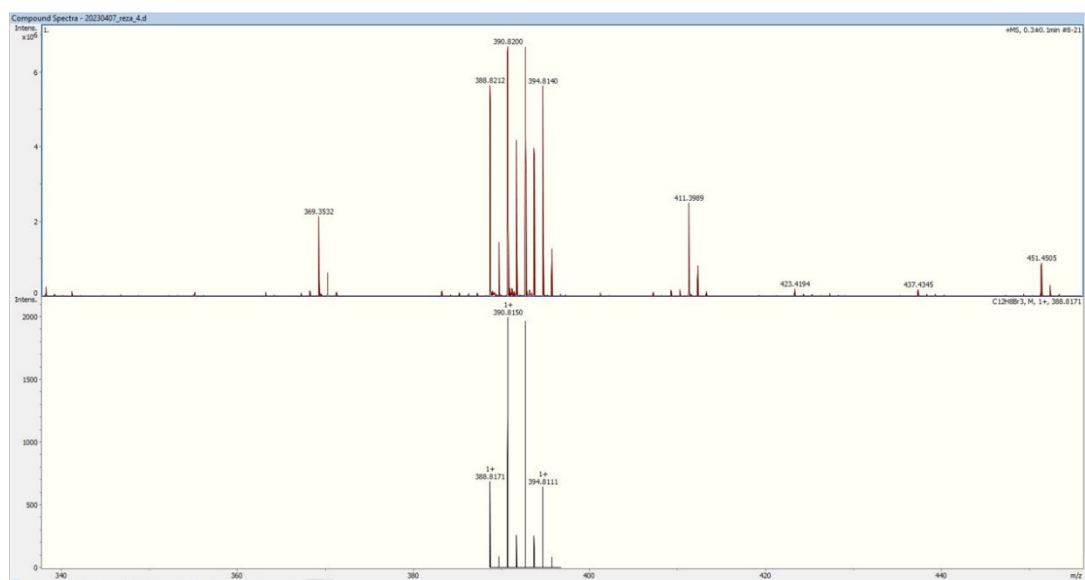
NOESY spectrum of compound 9

1,8-Bis(dibromomethyl)naphthalene (10)



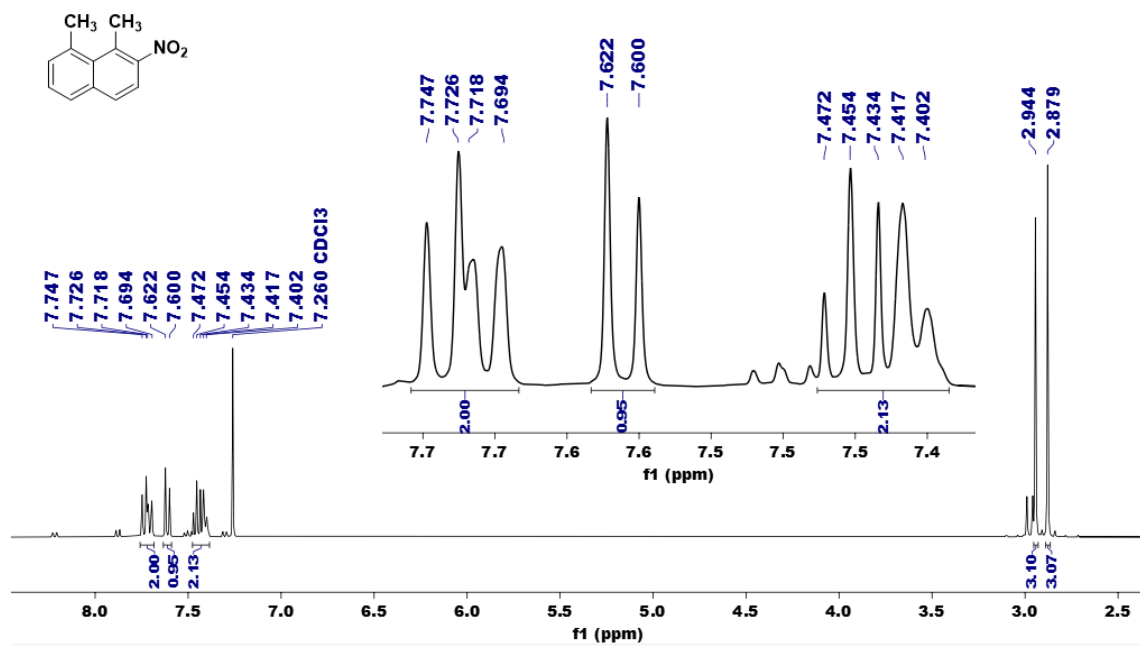


NOESY spectrum of compound 10



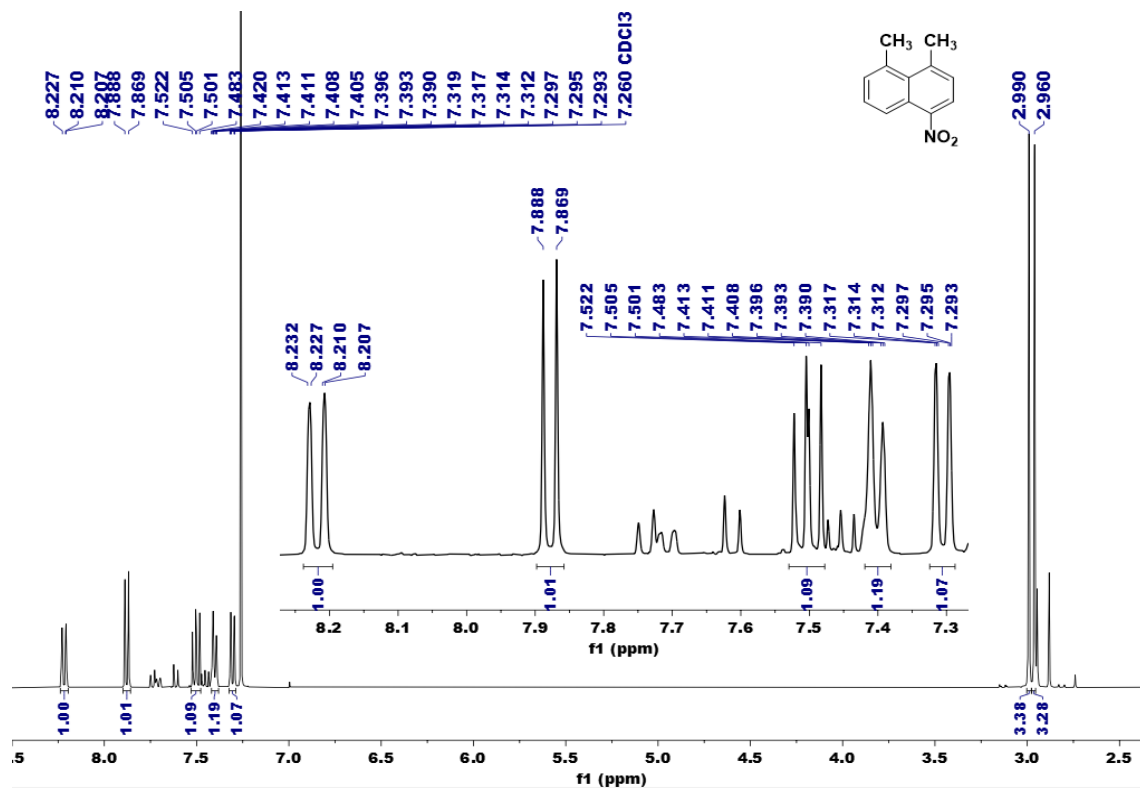
ACPI-MS spectrum of compound 10

1,8-Dimethyl-2-nitronaphthalene



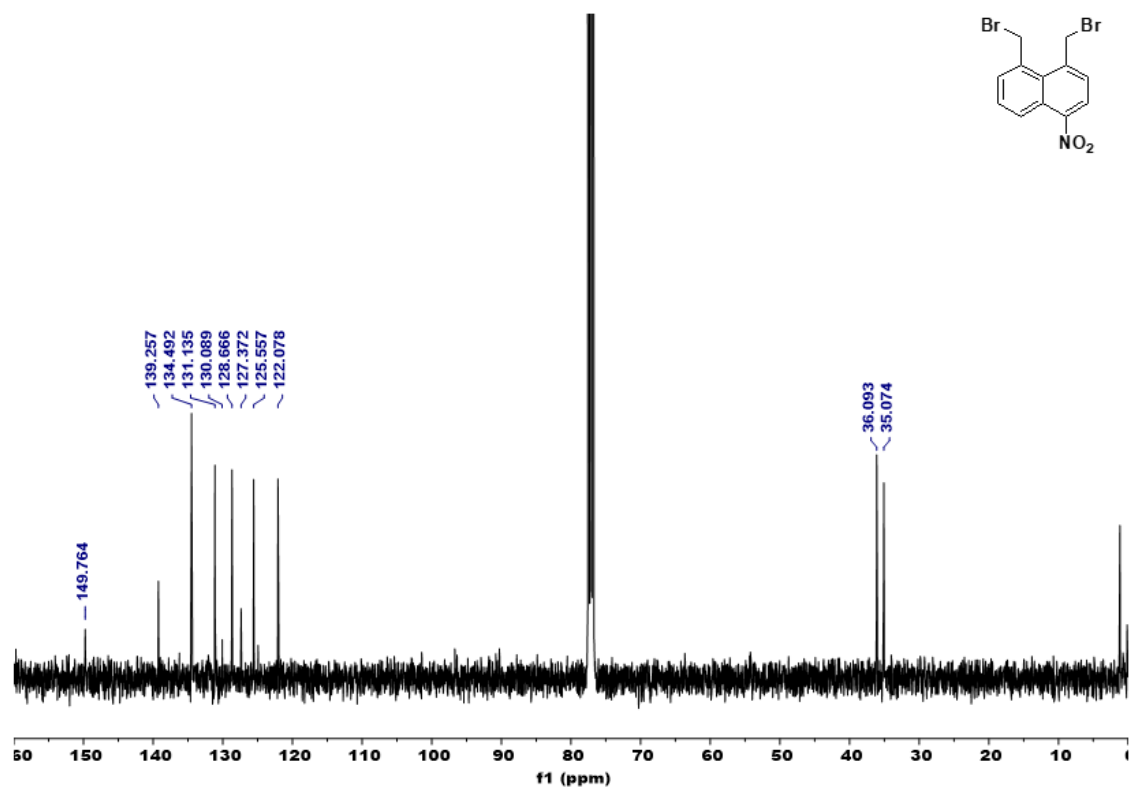
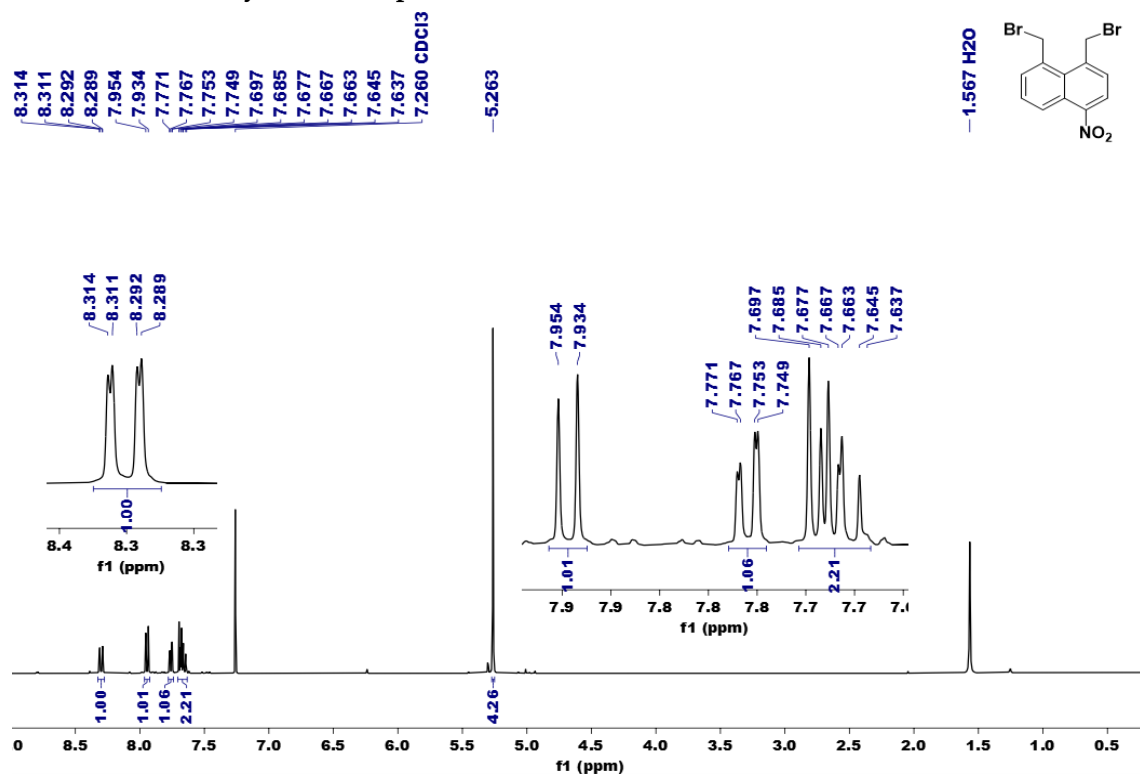
¹H NMR (CDCl₃, 400 MHz)

1,8-Dimethyl-4-nitronaphthalene

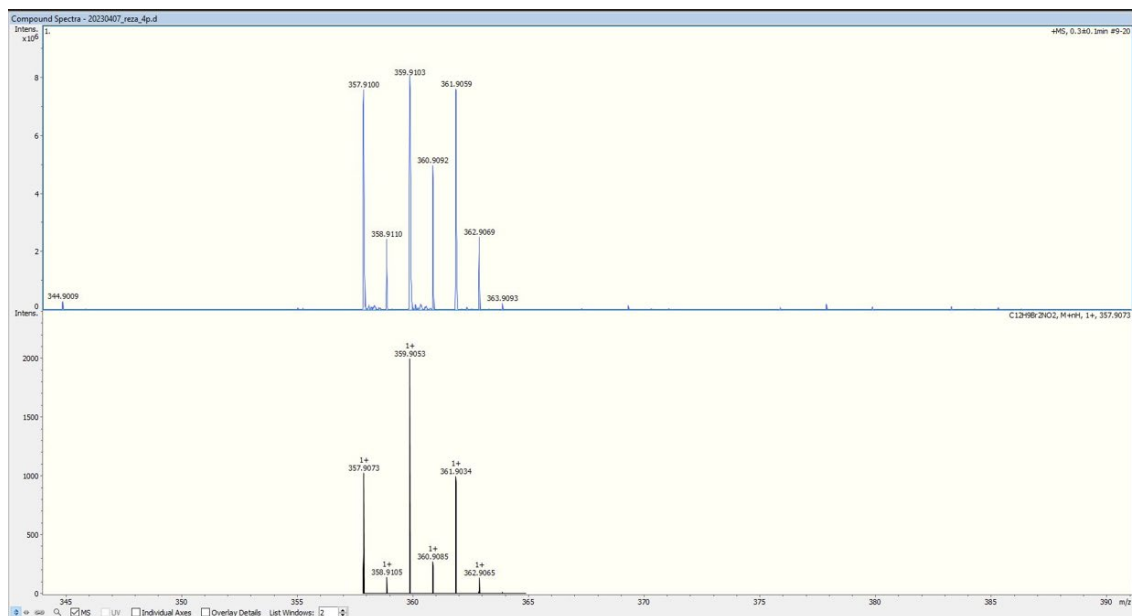


¹H NMR (CDCl₃, 400 MHz)

1,8-(Bisbromomethyl)-4-nitronaphthalene

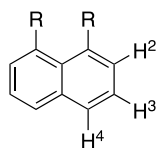


¹³C NMR (CDCl₃, 100 MHz) of compound



ACPI-MS spectrum of compound

NMR spectra of 1,8-disubstituted naphthalenes **7–10**



Naphthalene		Chemical shift/ppm		
R		H ²	H ³	H ⁴
CH ₃	7	7.31	7.23	7.67
CH ₂ OH	8	7.56	7.45	7.87
CH ₂ Br	9	7.63	7.46	7.89
CHBr ₂	10	7.85	7.66	8.52