

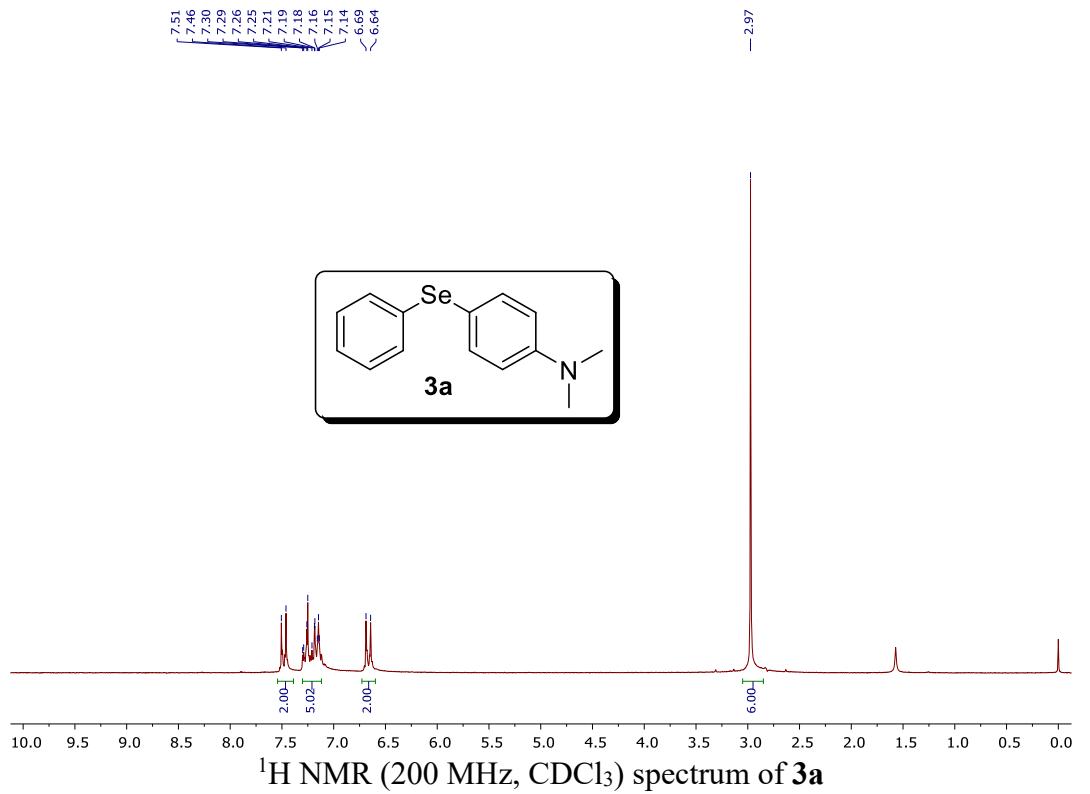
Supporting Information

DMSO/Iodine-Catalyzed Oxidative C–Se/C–S Bond Formation: A Regioselective Synthesis of Unsymmetrical Chalcogenides with Nitrogen- or Oxygen-containing Arenes.

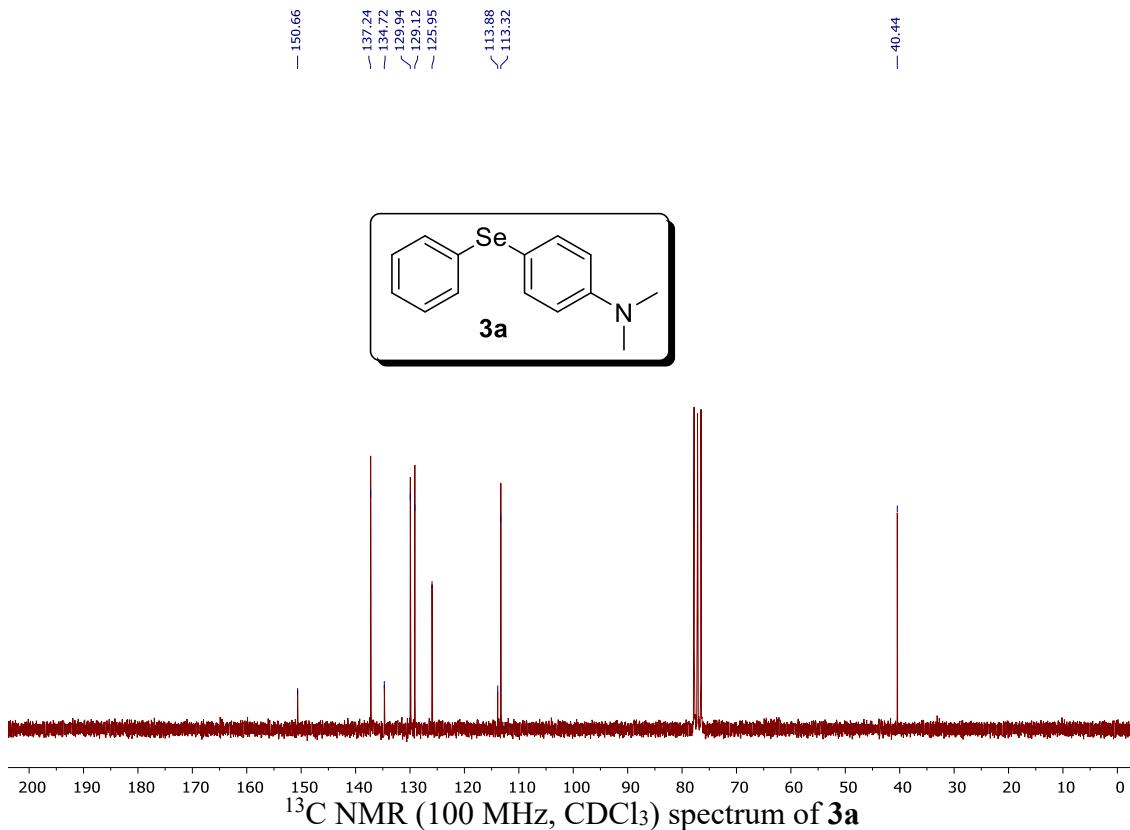
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Fax: +55 48 3721 6427; Tel: +55 48 37216427; E-mail: braga.antonio@ufsc.br

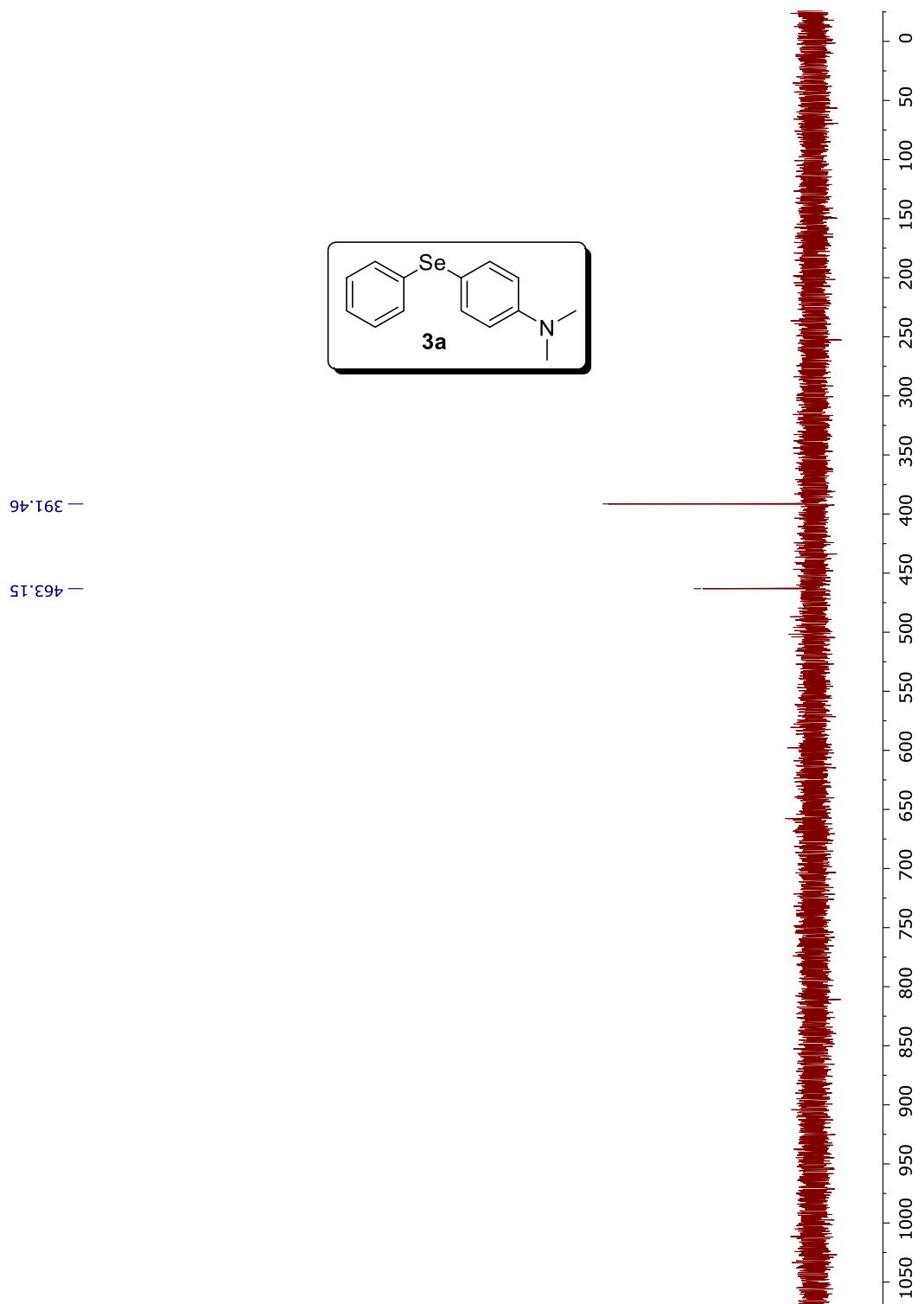
NMR Spectra



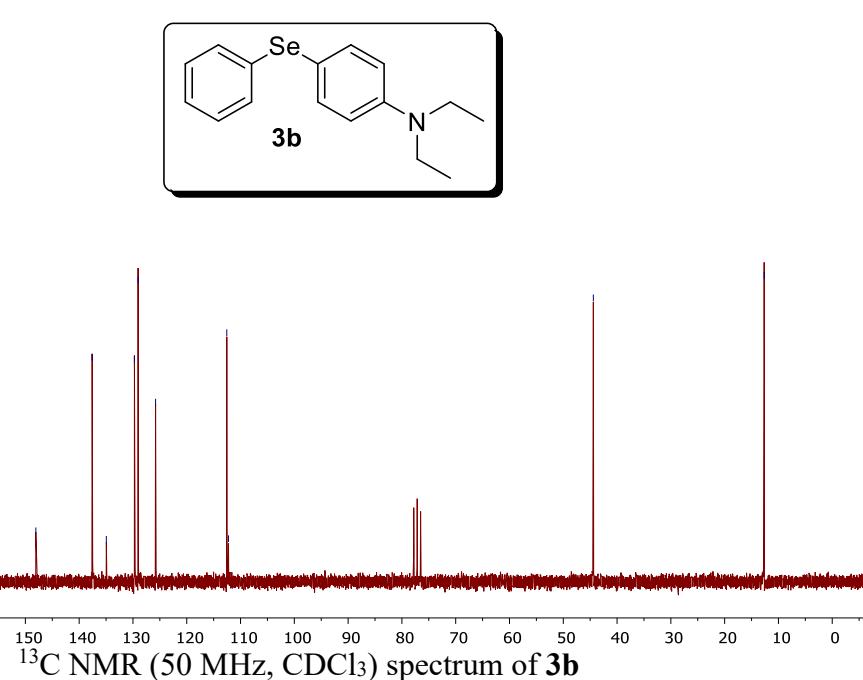
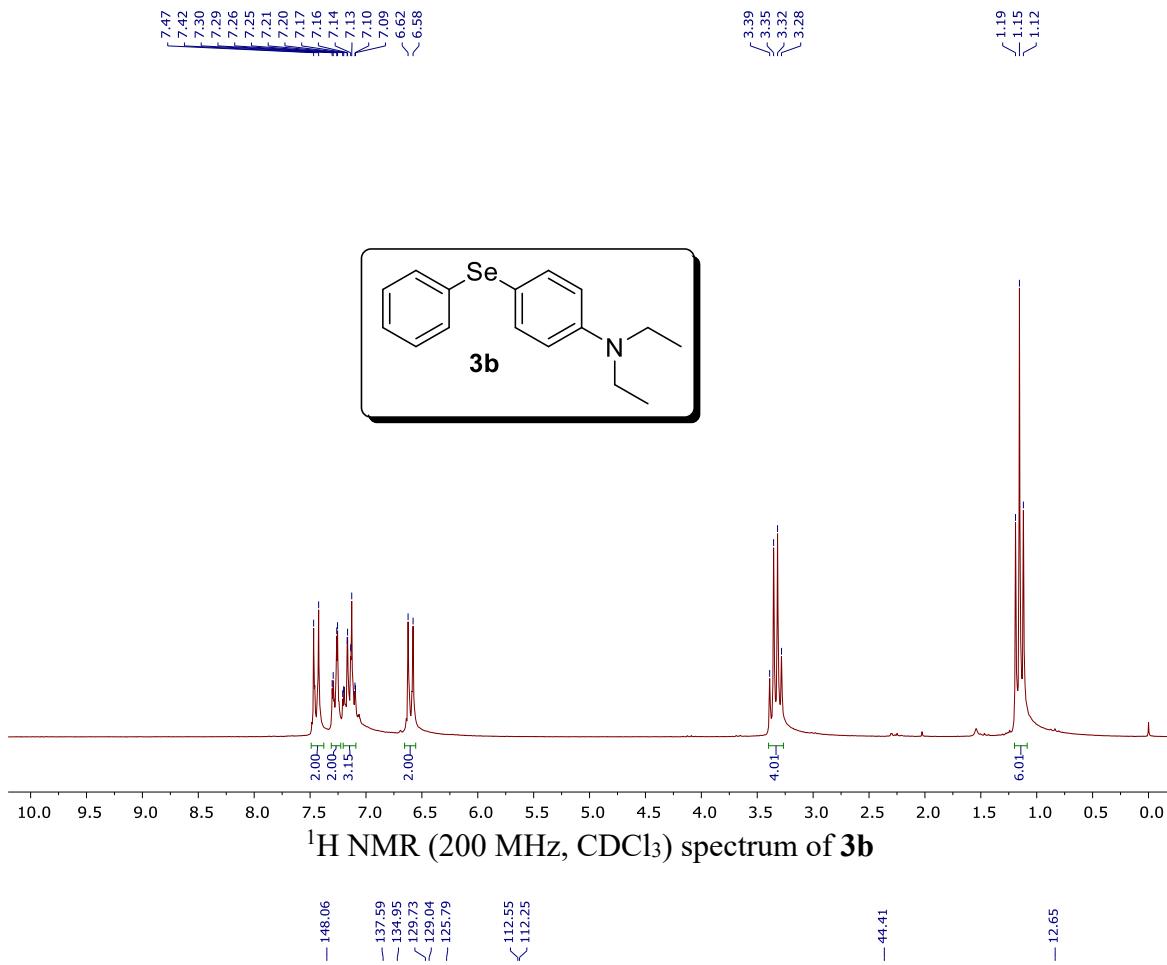
¹H NMR (200 MHz, CDCl₃) spectrum of 3a

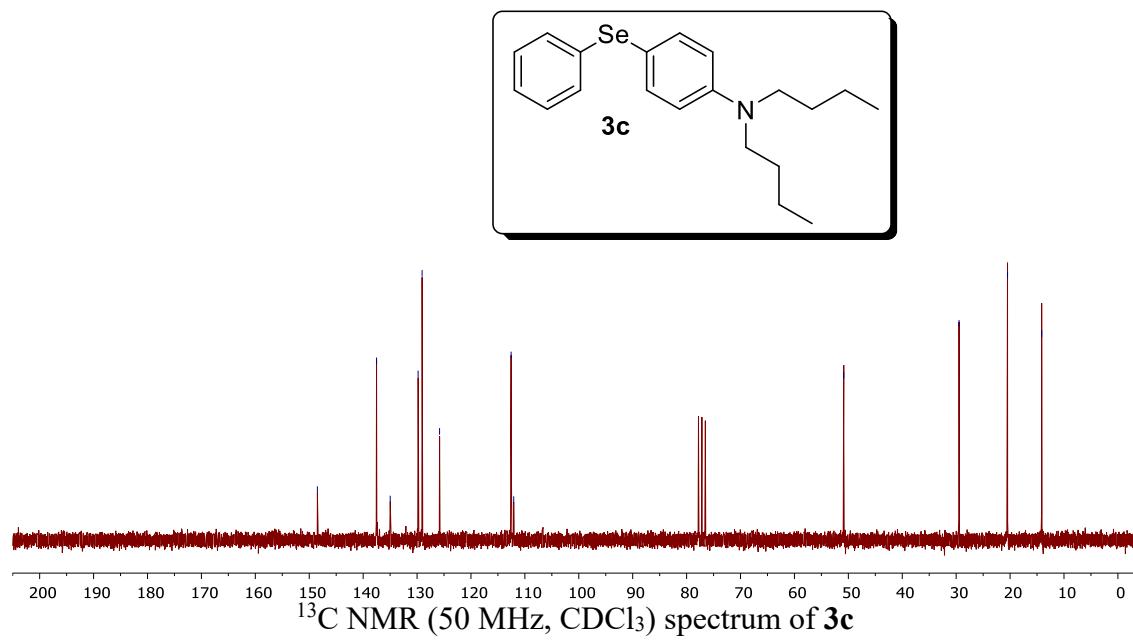
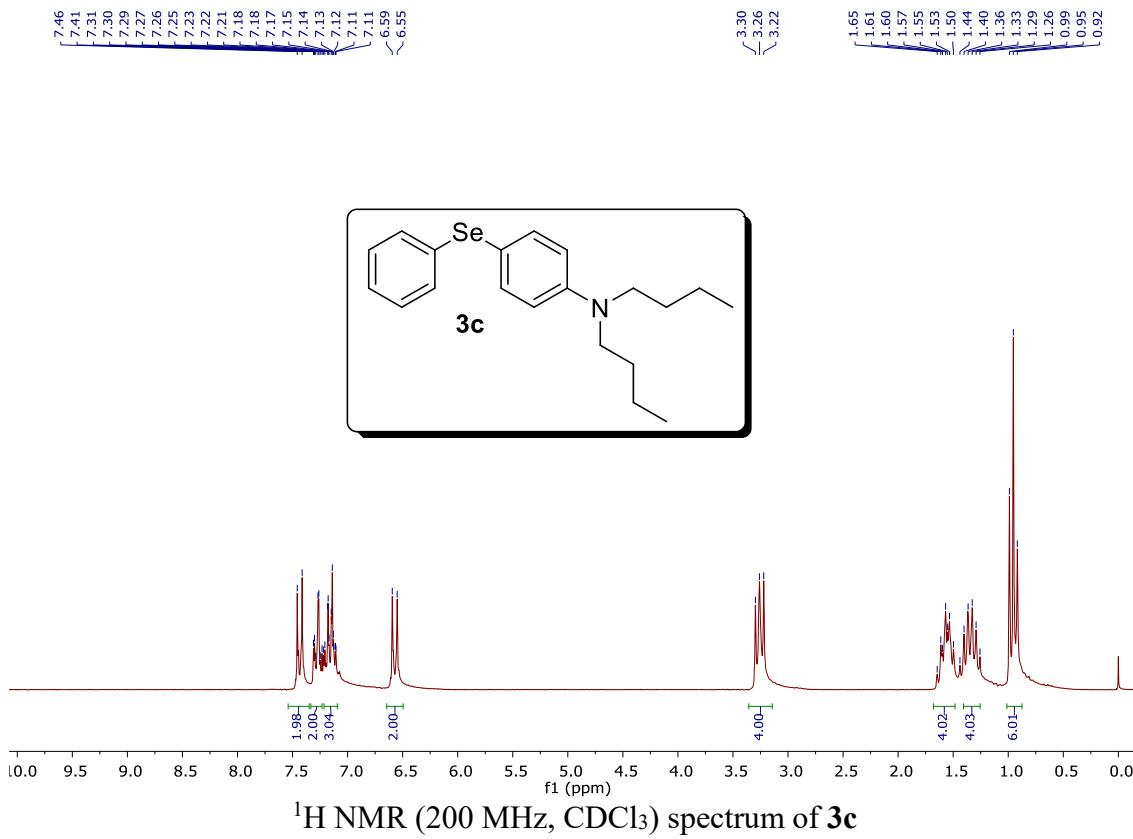


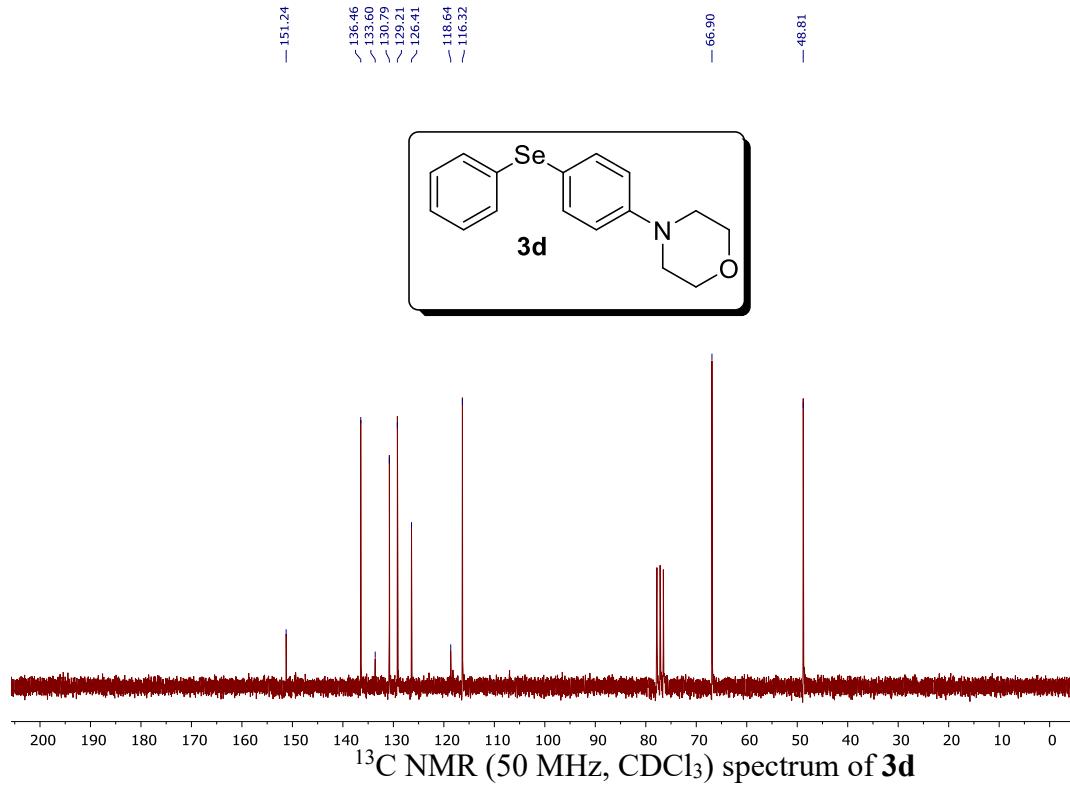
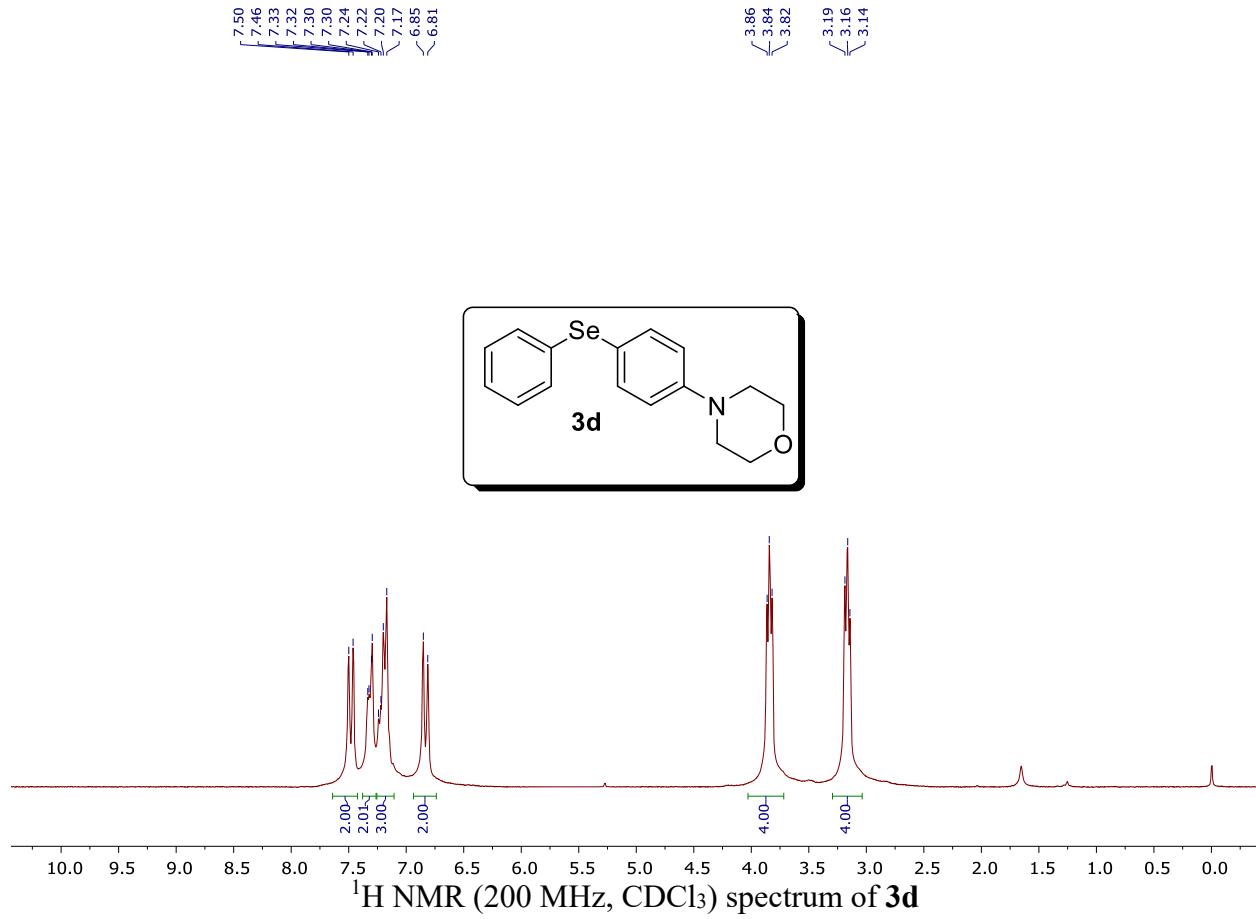
¹³C NMR (100 MHz, CDCl₃) spectrum of 3a

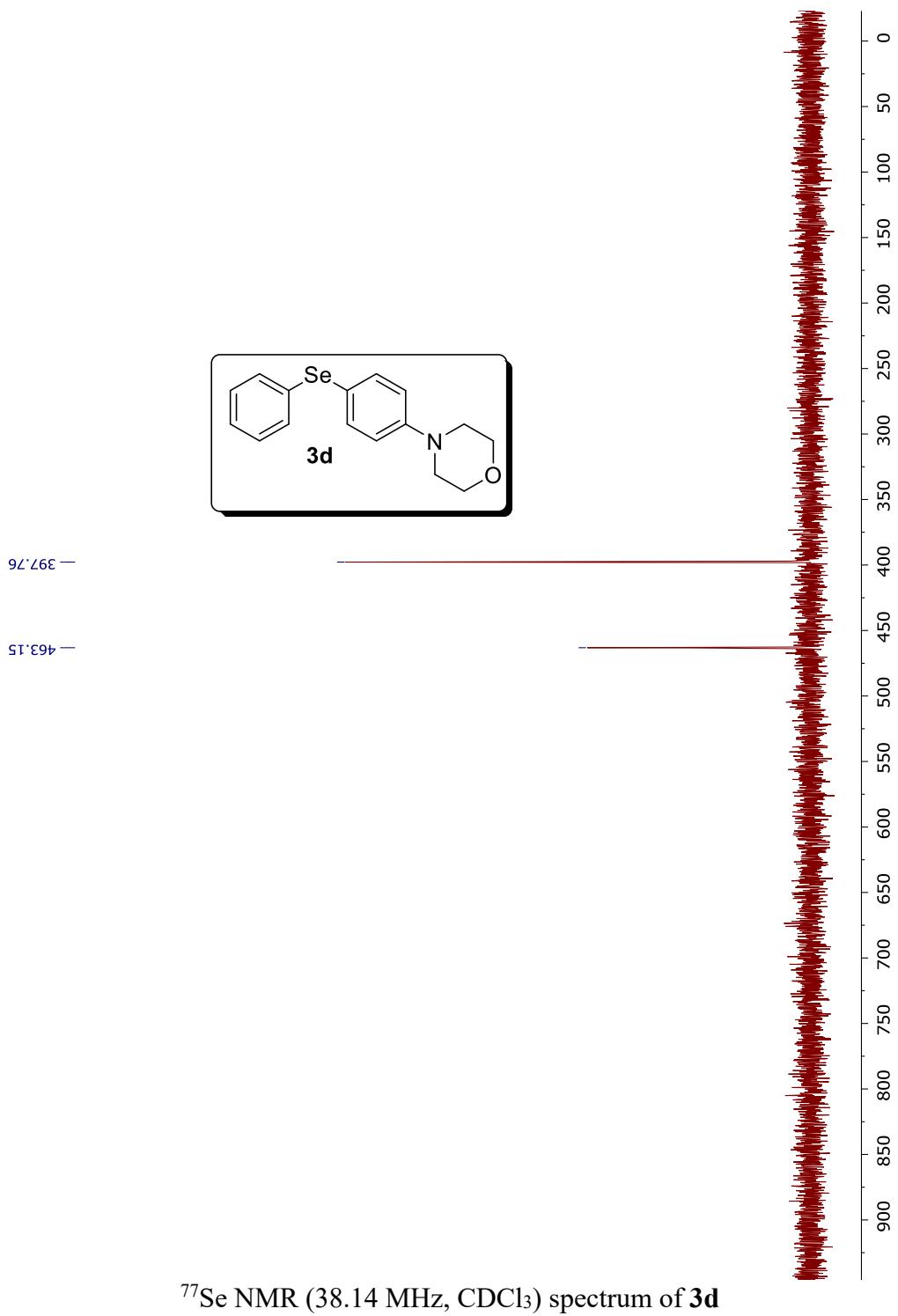


^{77}Se NMR (38.14 MHz, CDCl_3) spectrum of **3a**

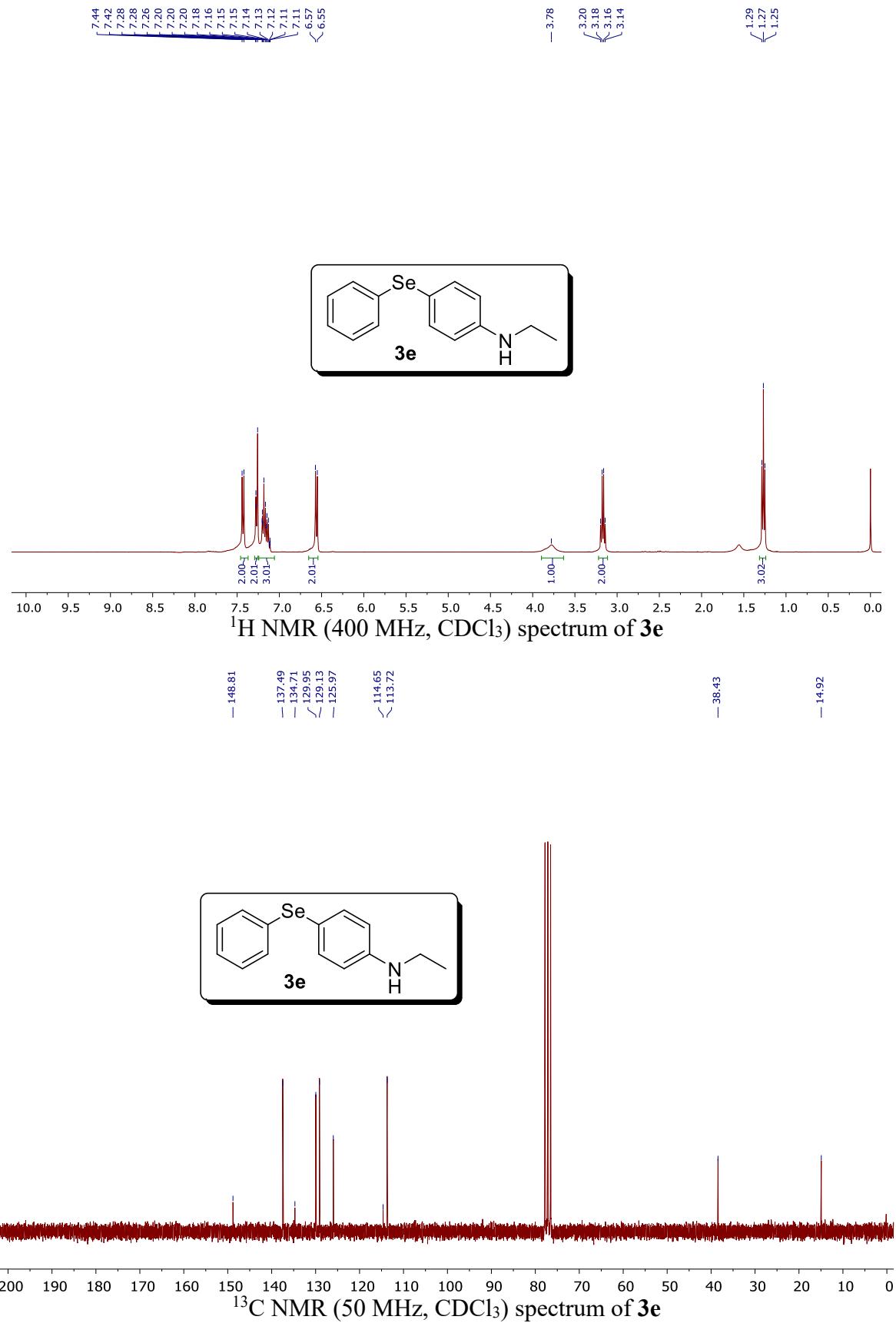


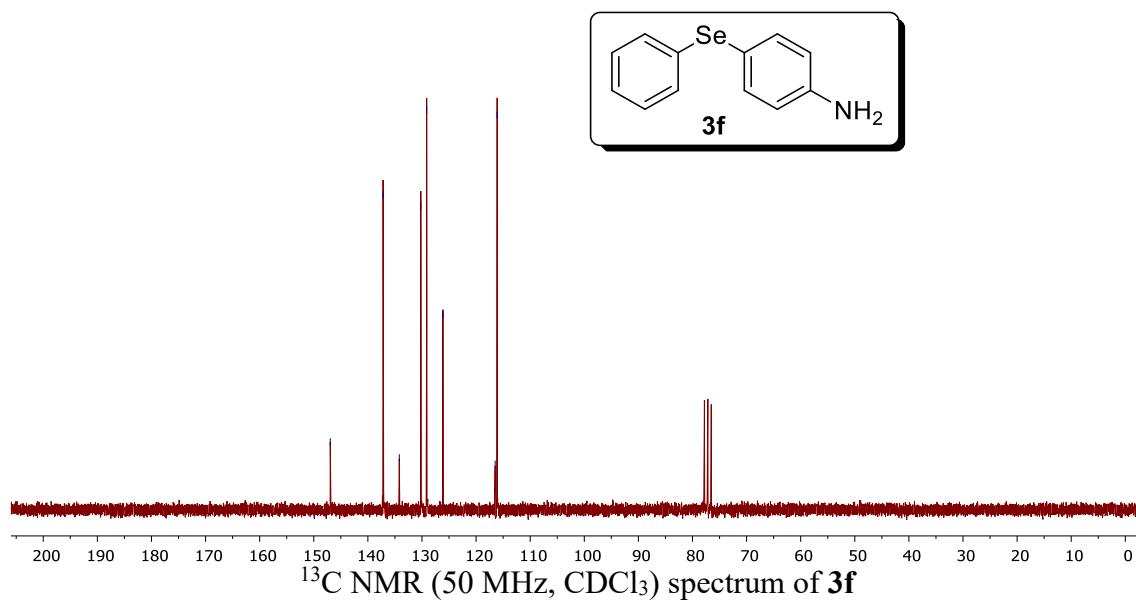
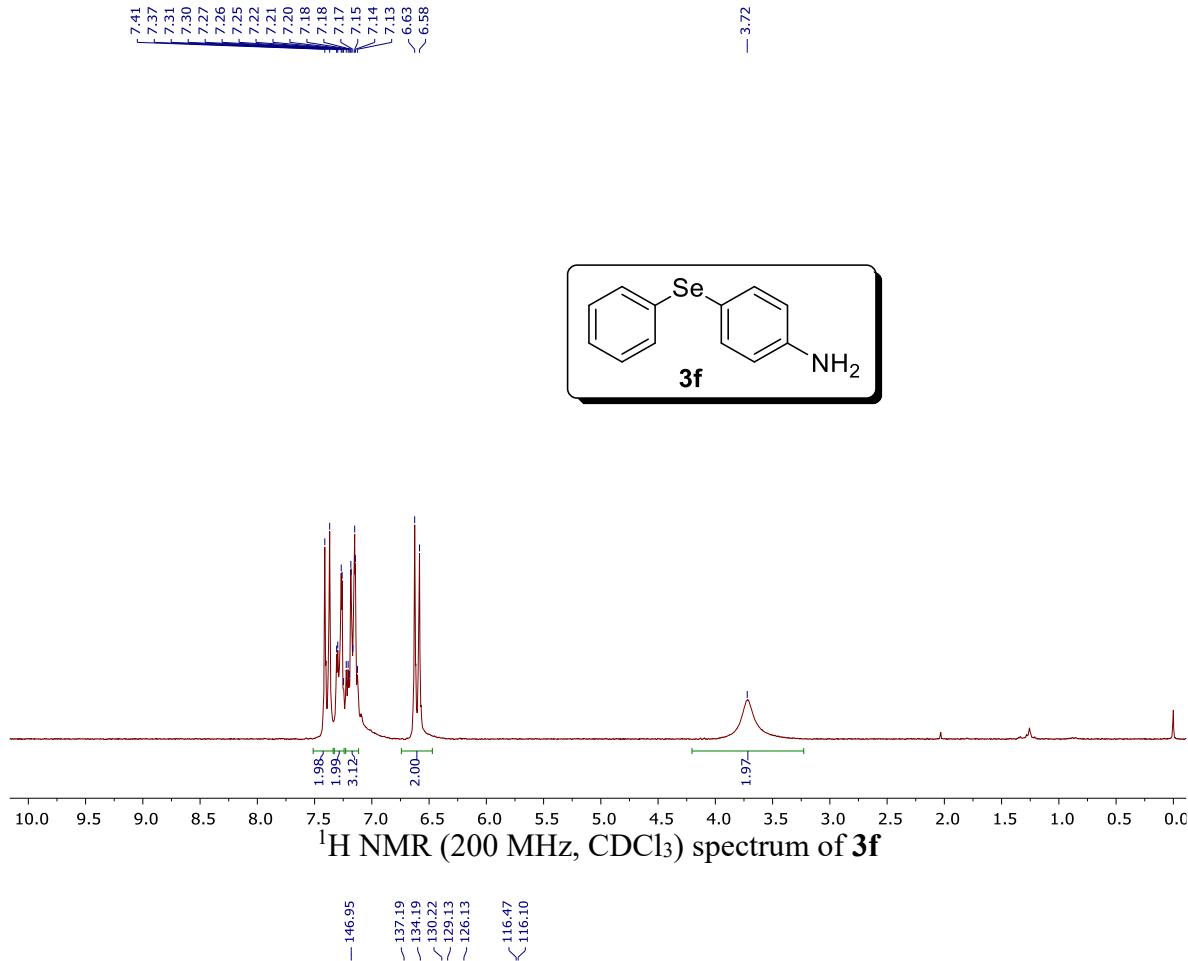


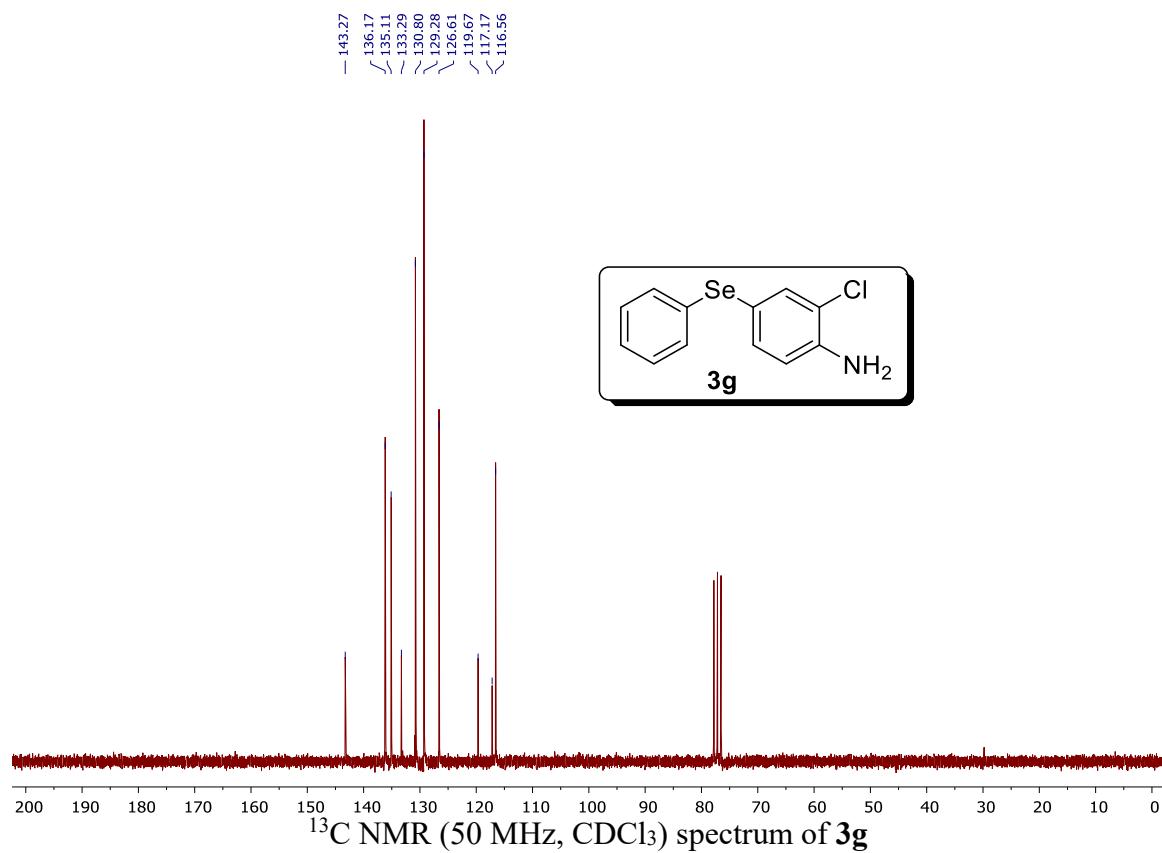
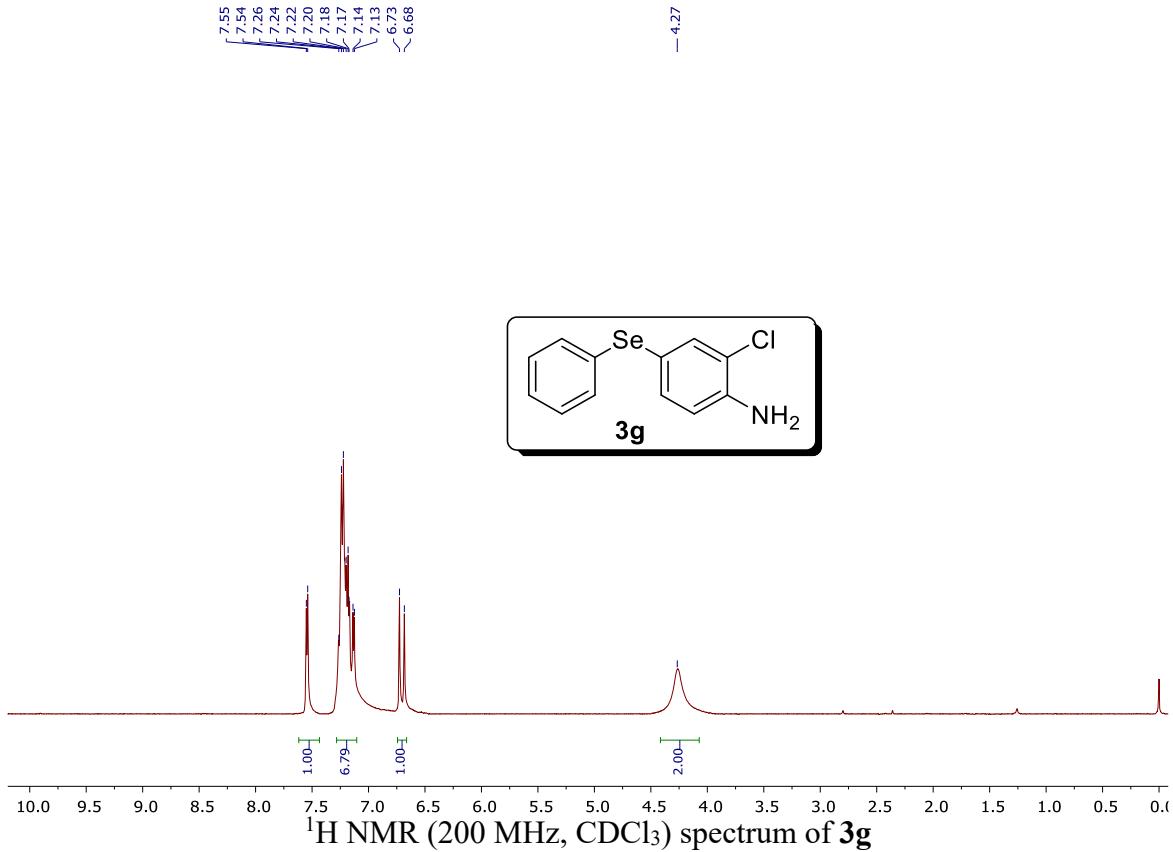


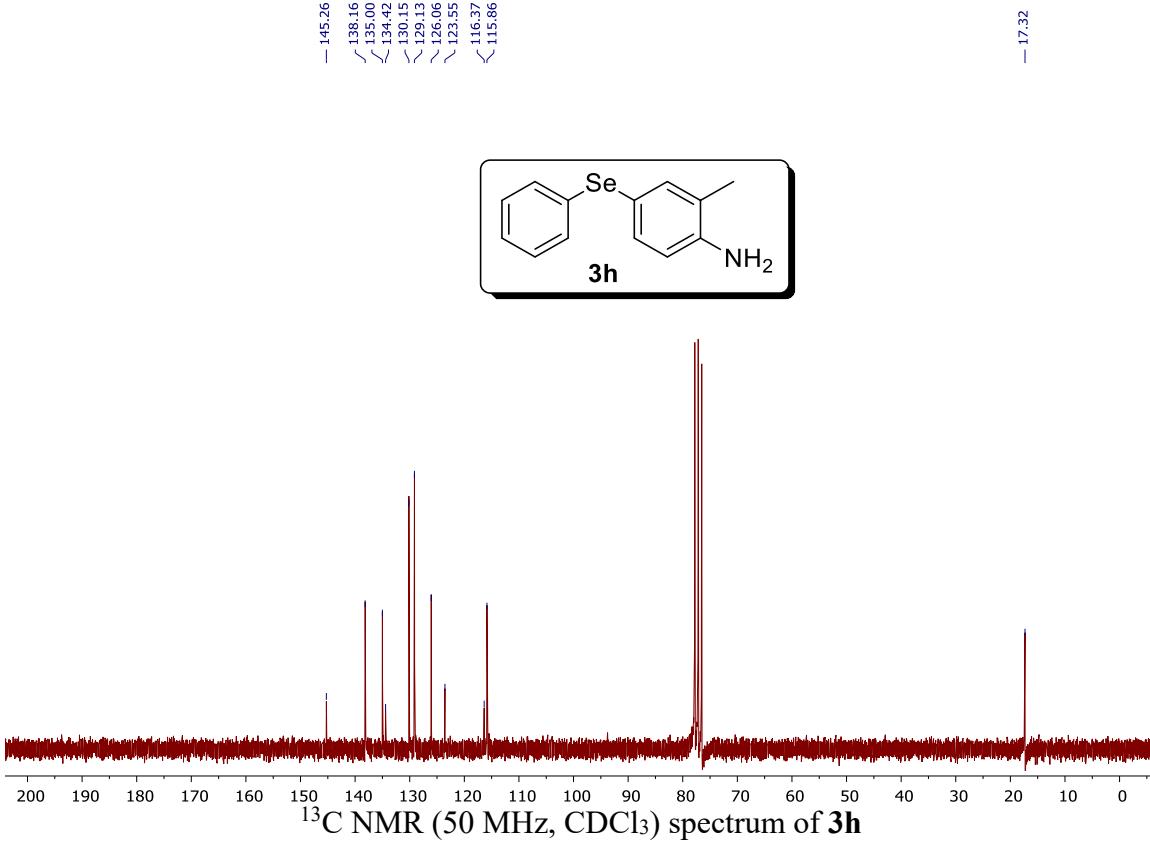
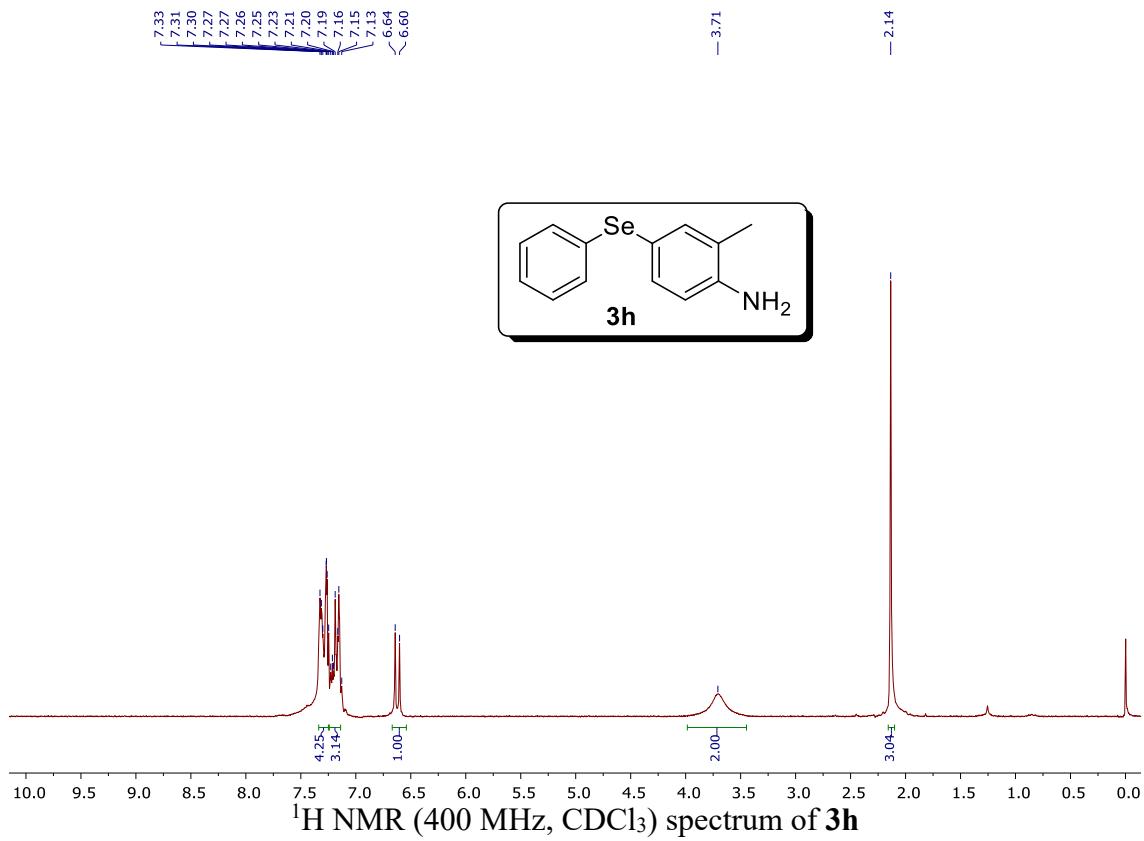


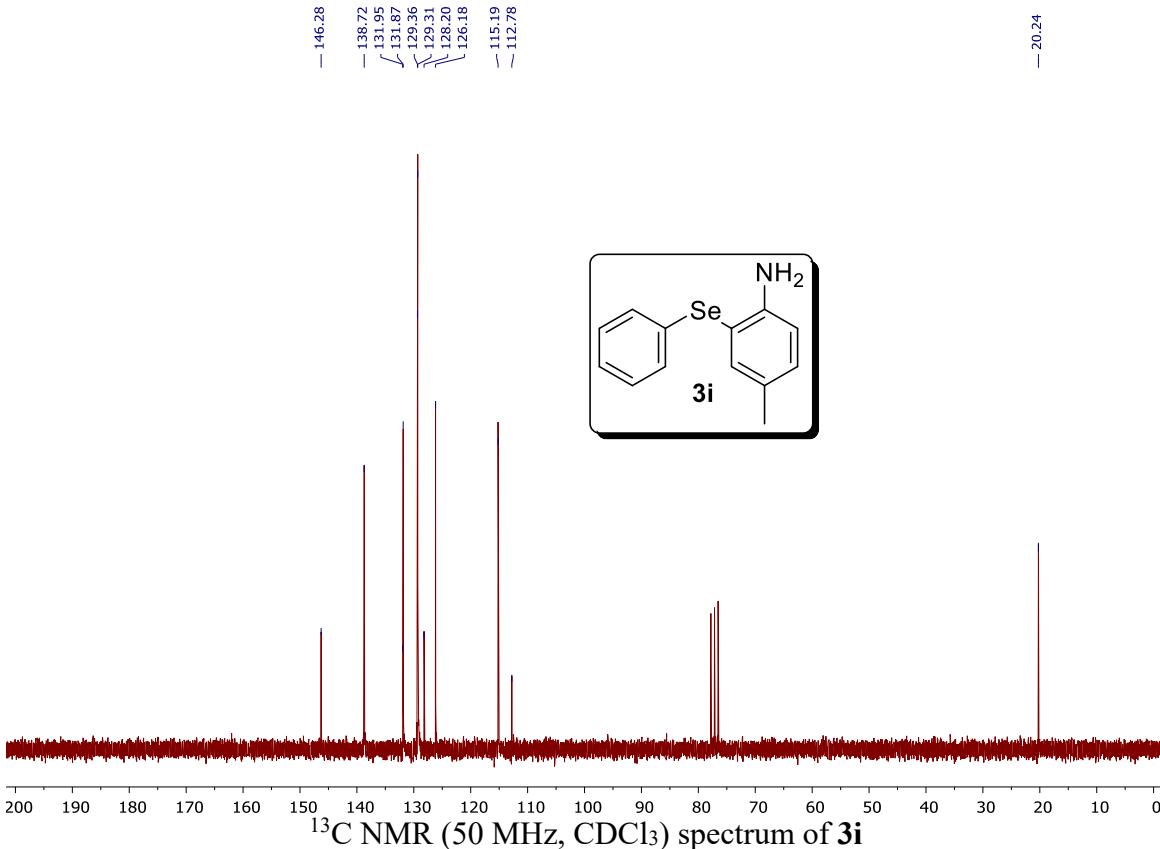
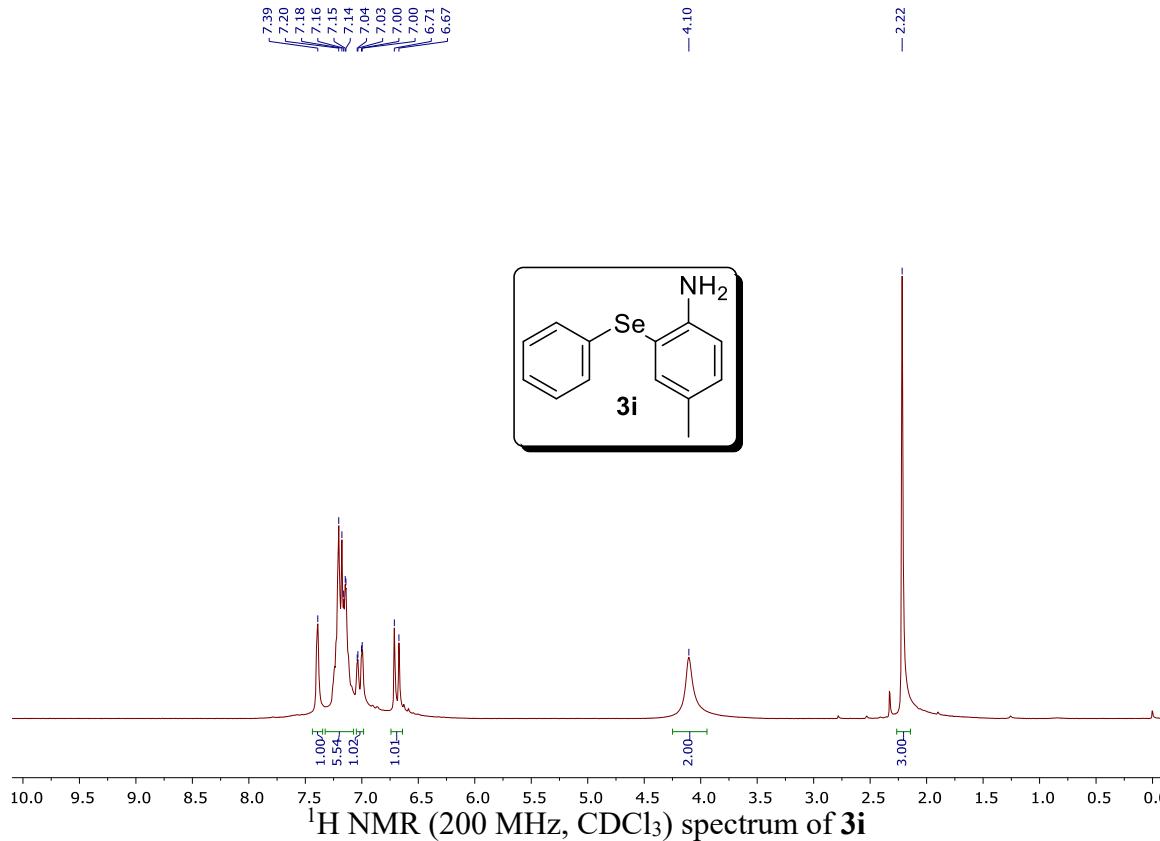
^{77}Se NMR (38.14 MHz, CDCl_3) spectrum of **3d**

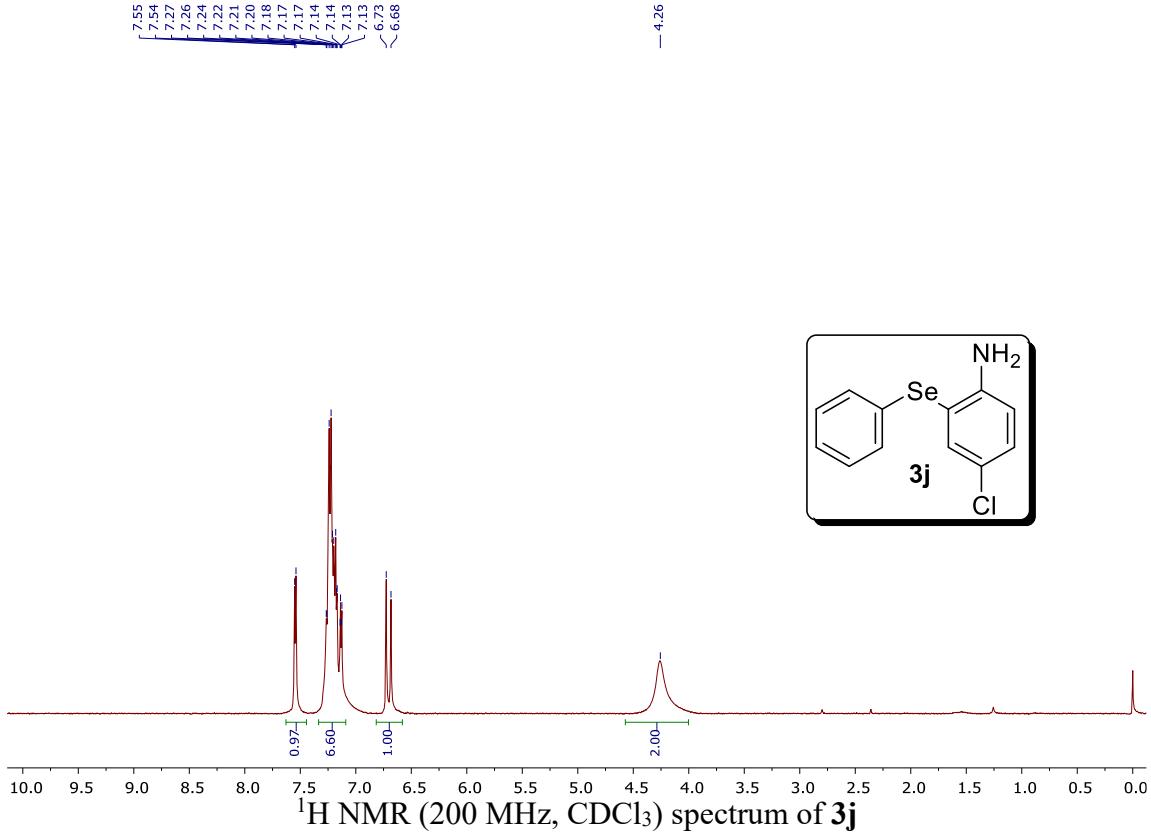






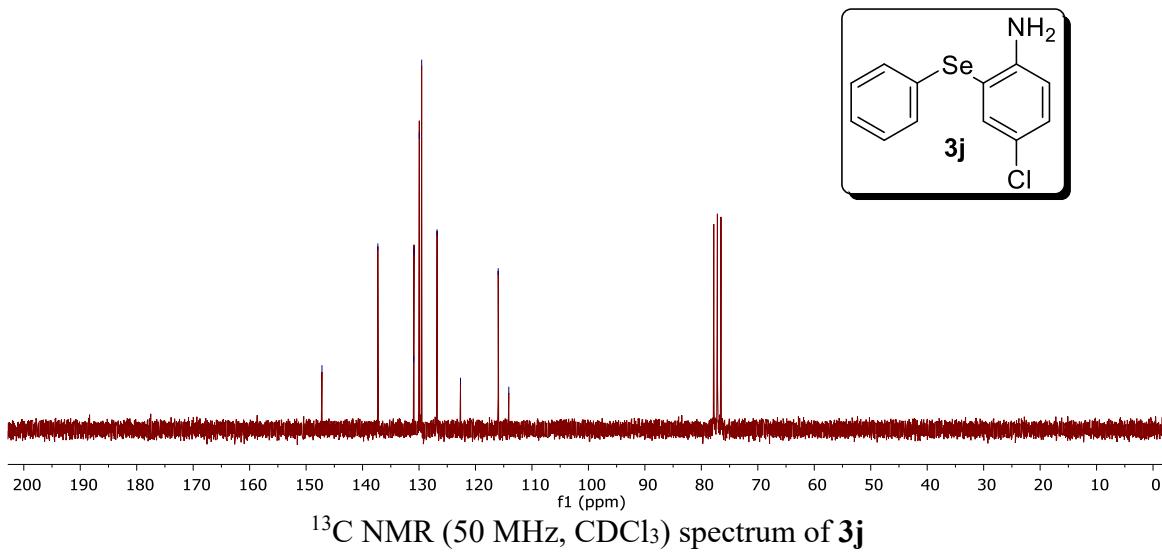




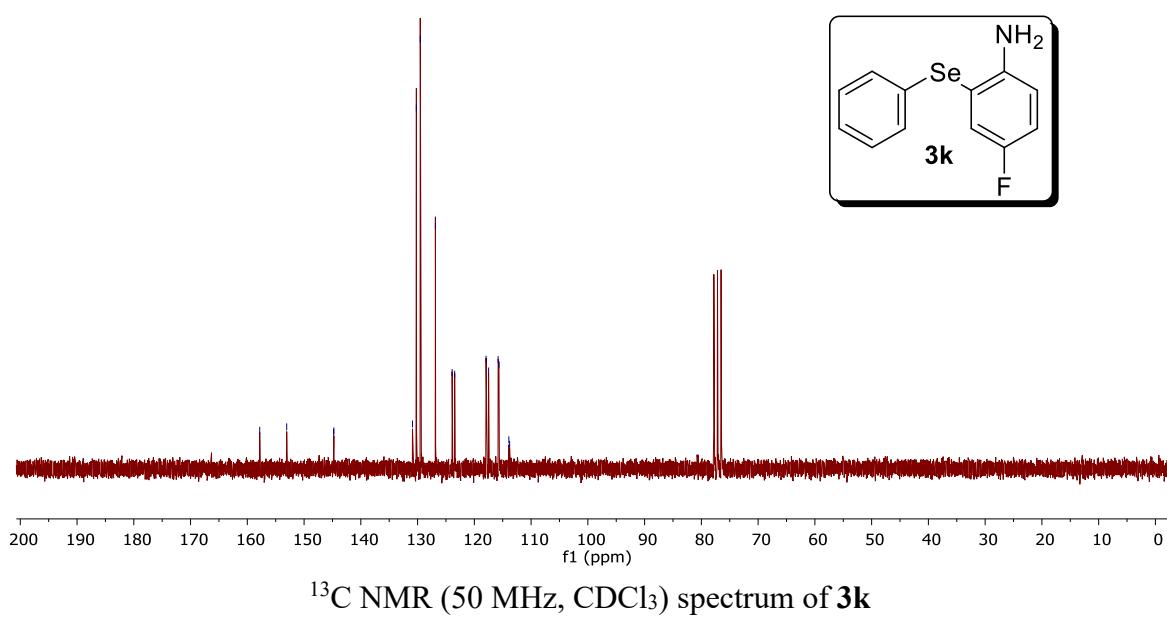
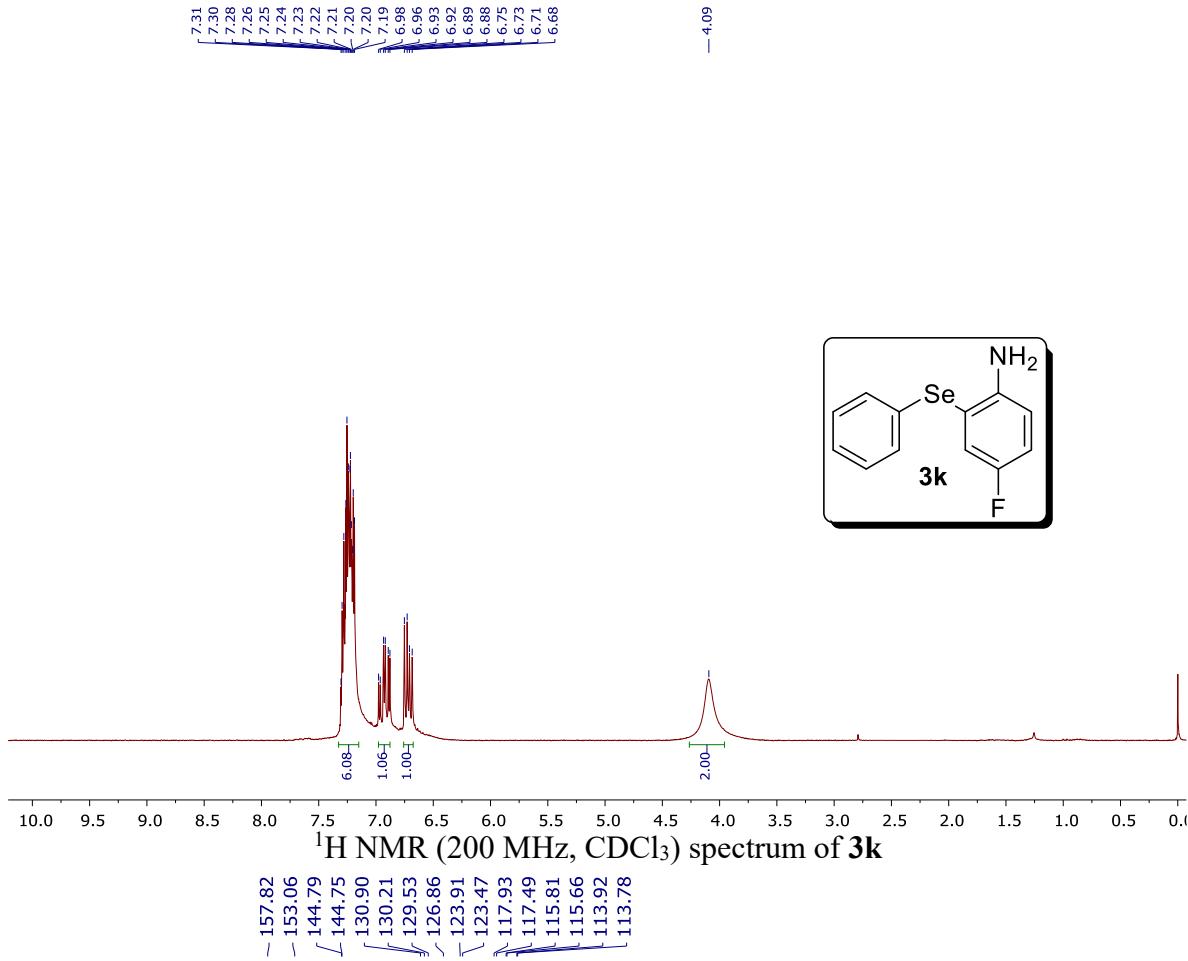


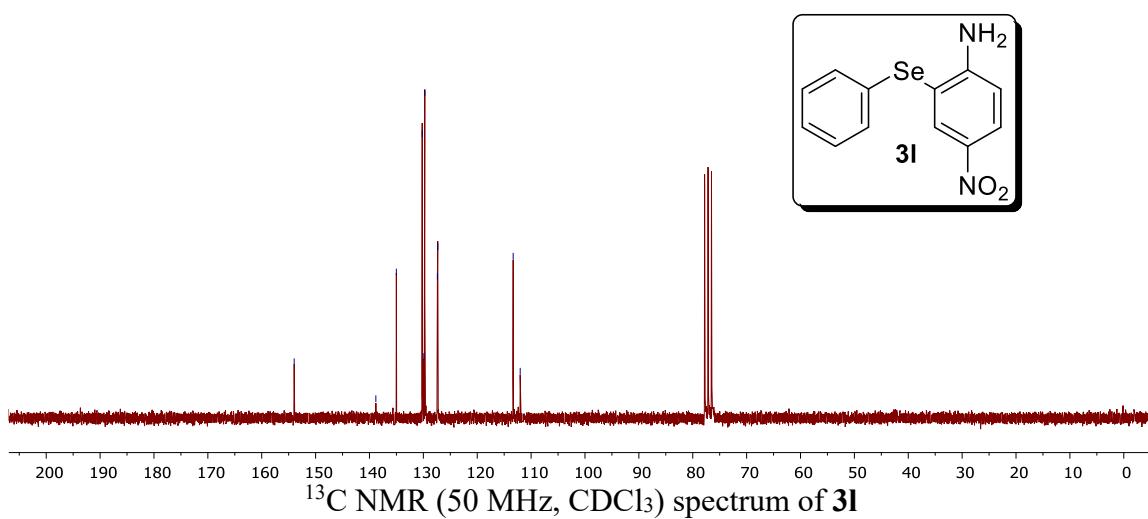
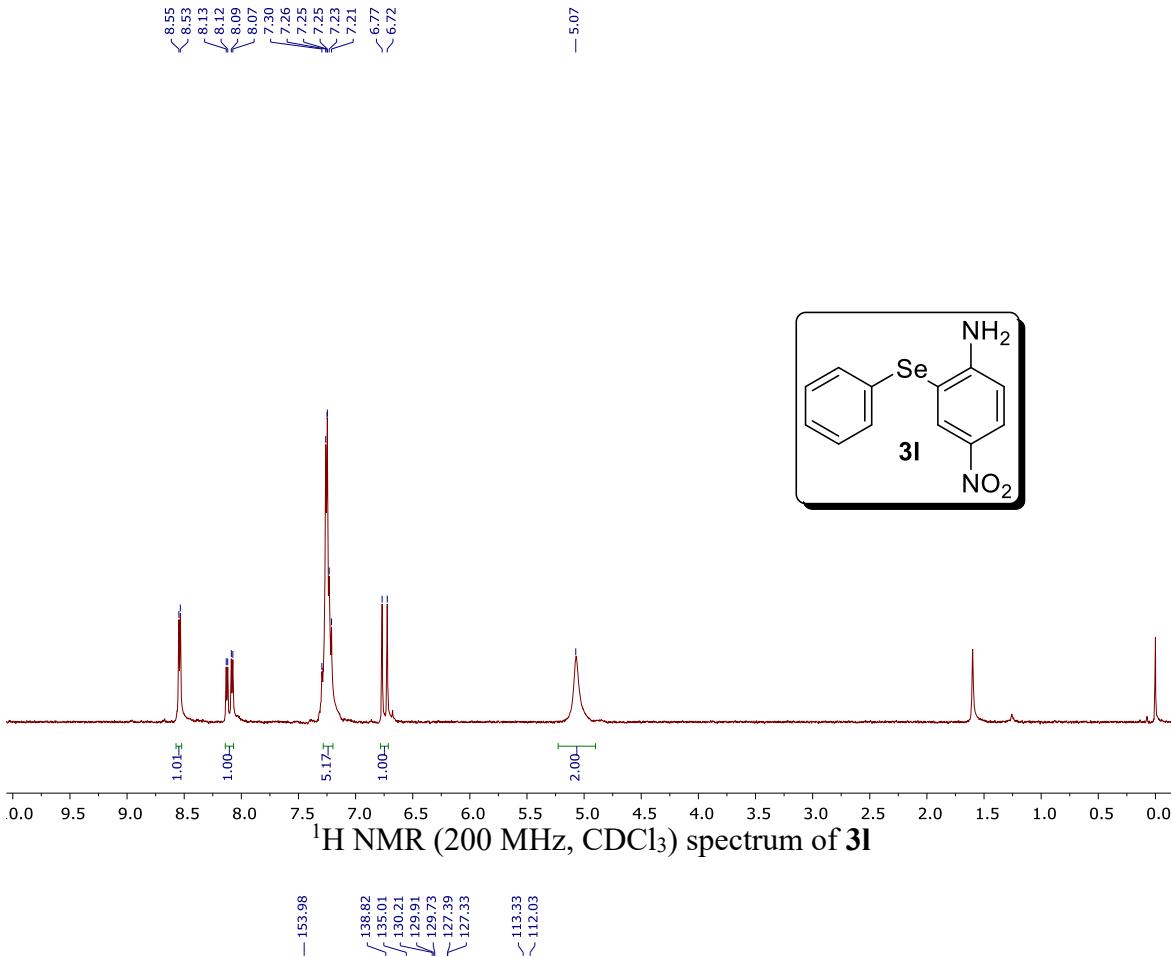
¹H NMR (200 MHz, CDCl₃) spectrum of **3j**

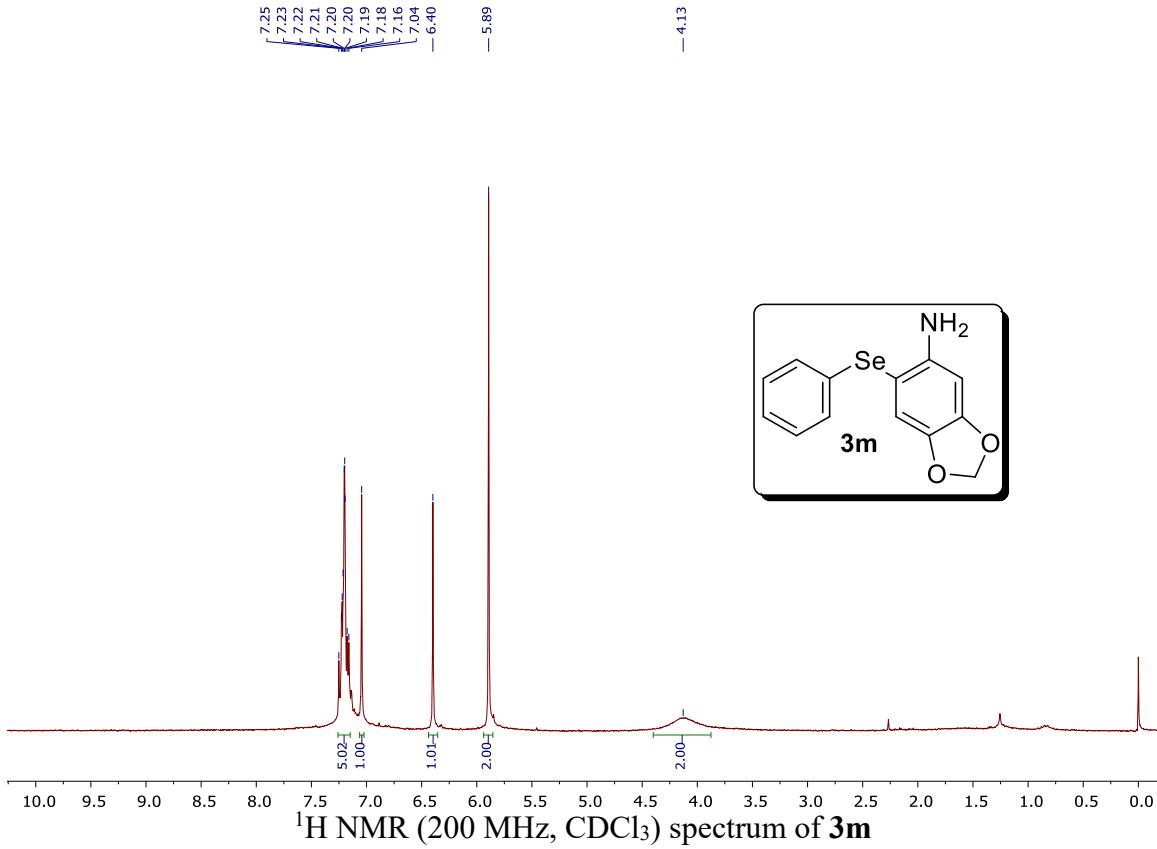
— 147.19
— 137.30
— 130.93
— 130.89
— 129.95
— 129.53
— 126.80
— 122.66
— 115.98
— 114.10



¹³C NMR (50 MHz, CDCl₃) spectrum of **3j**

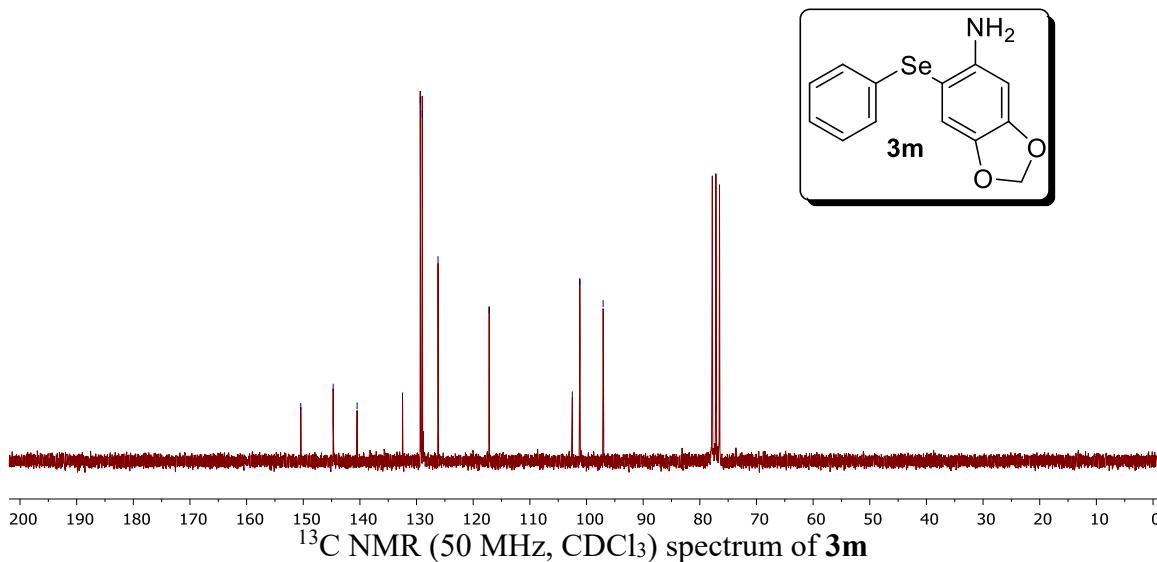


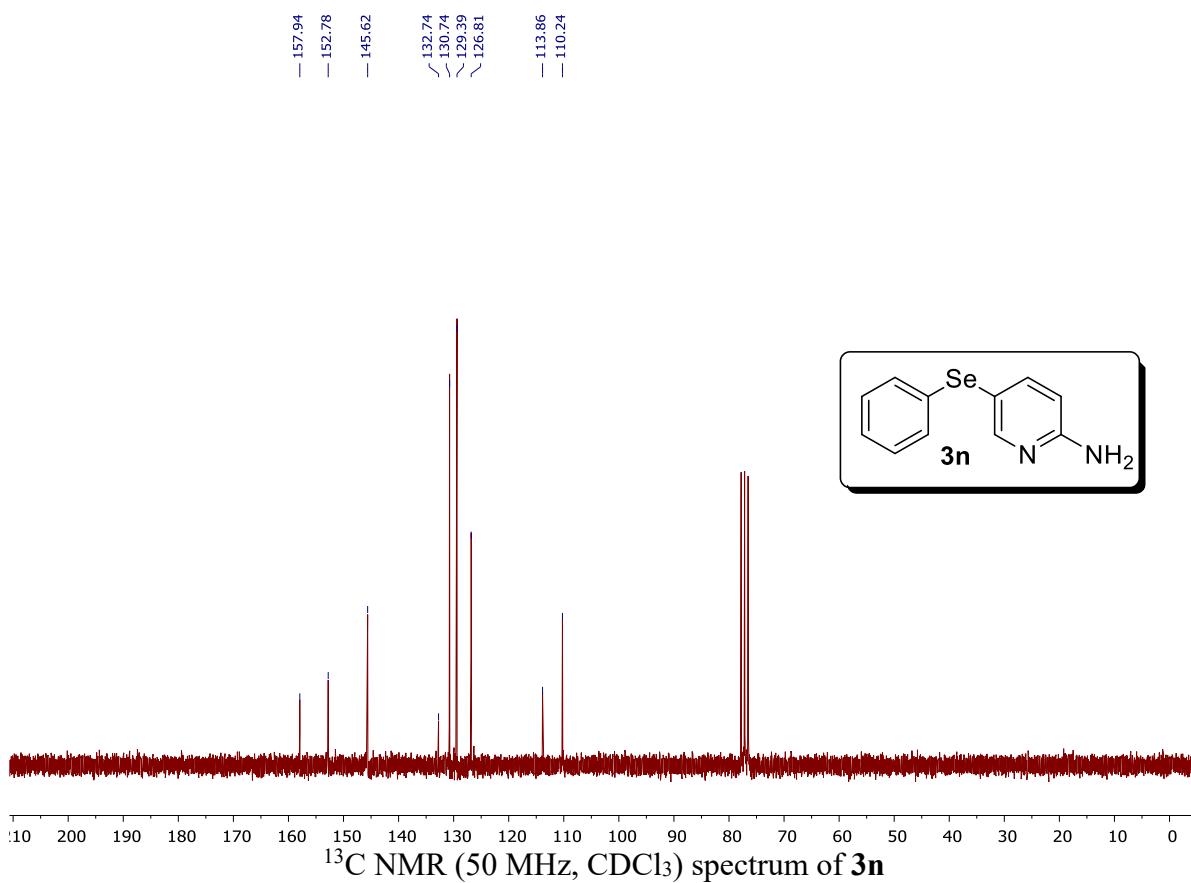
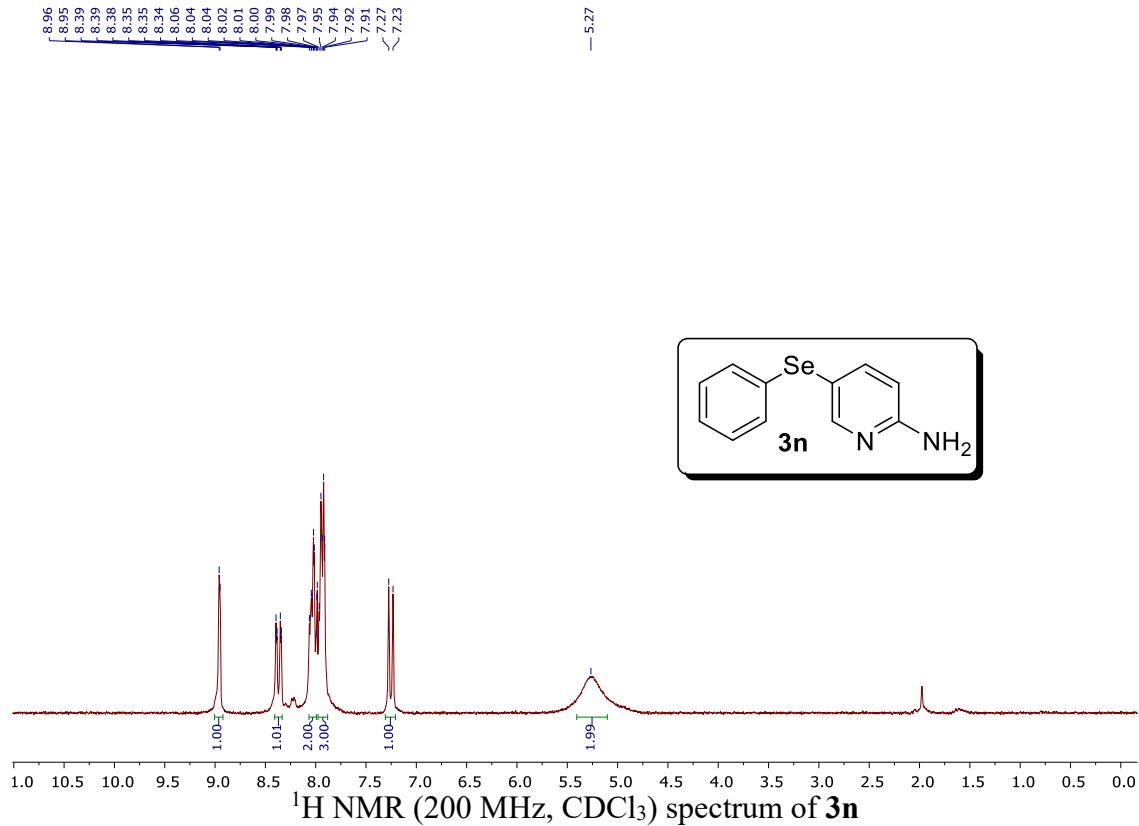


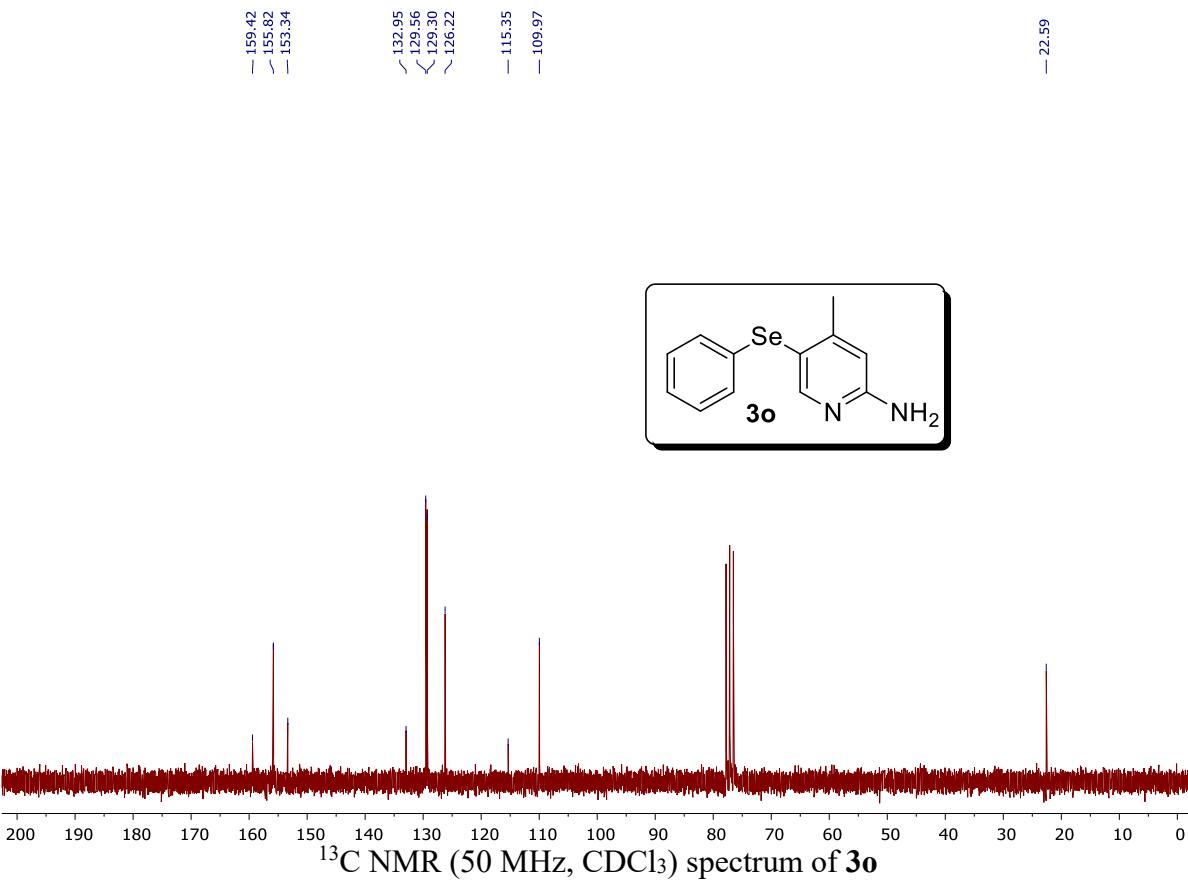
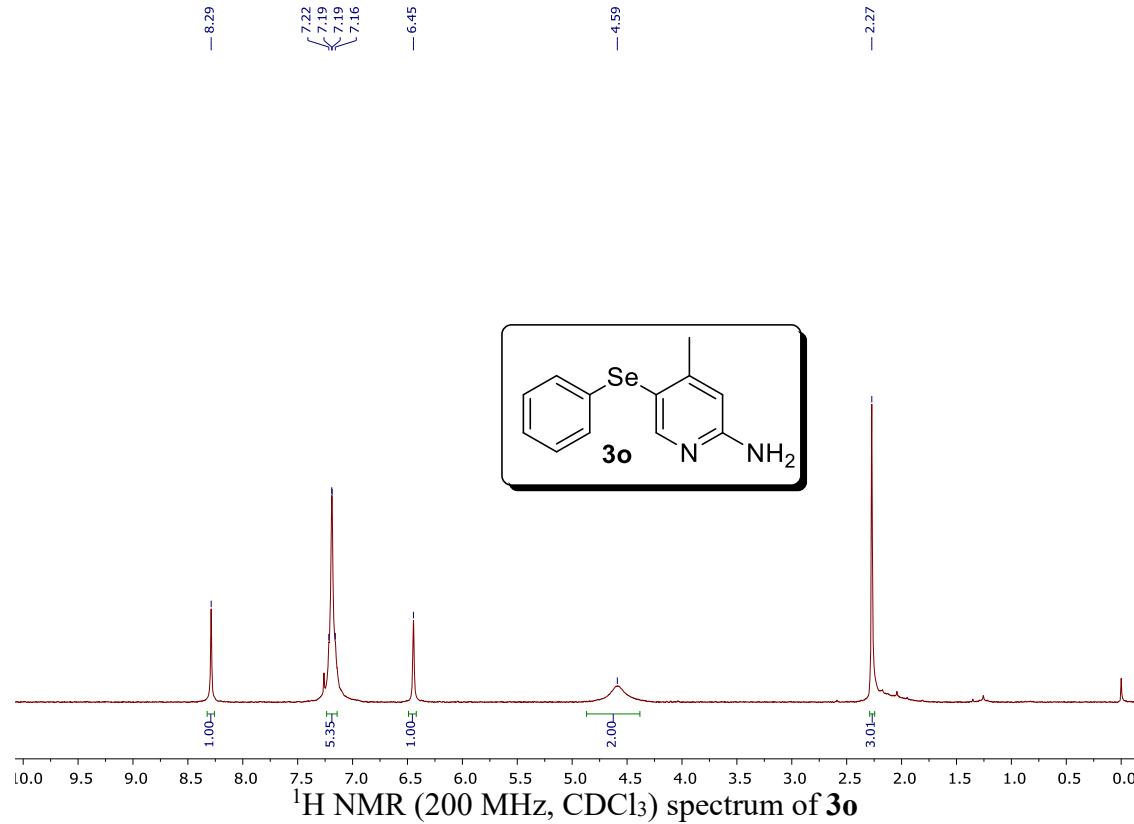


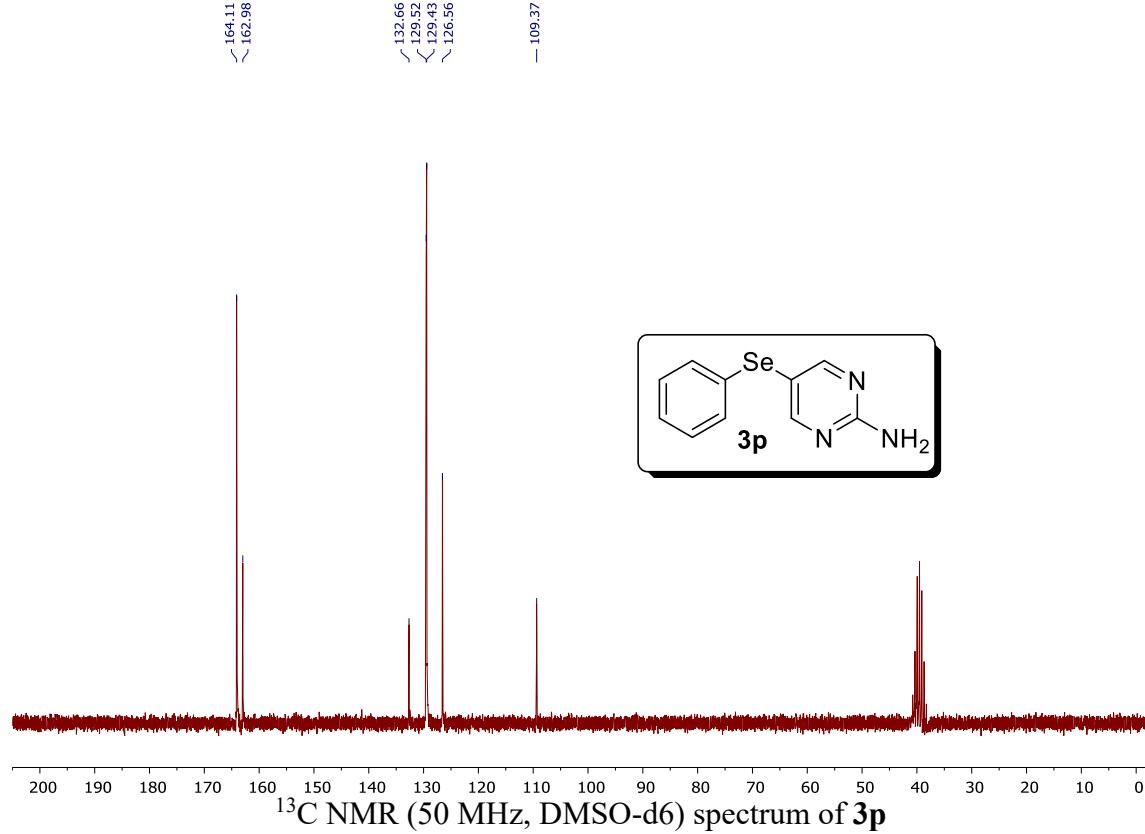
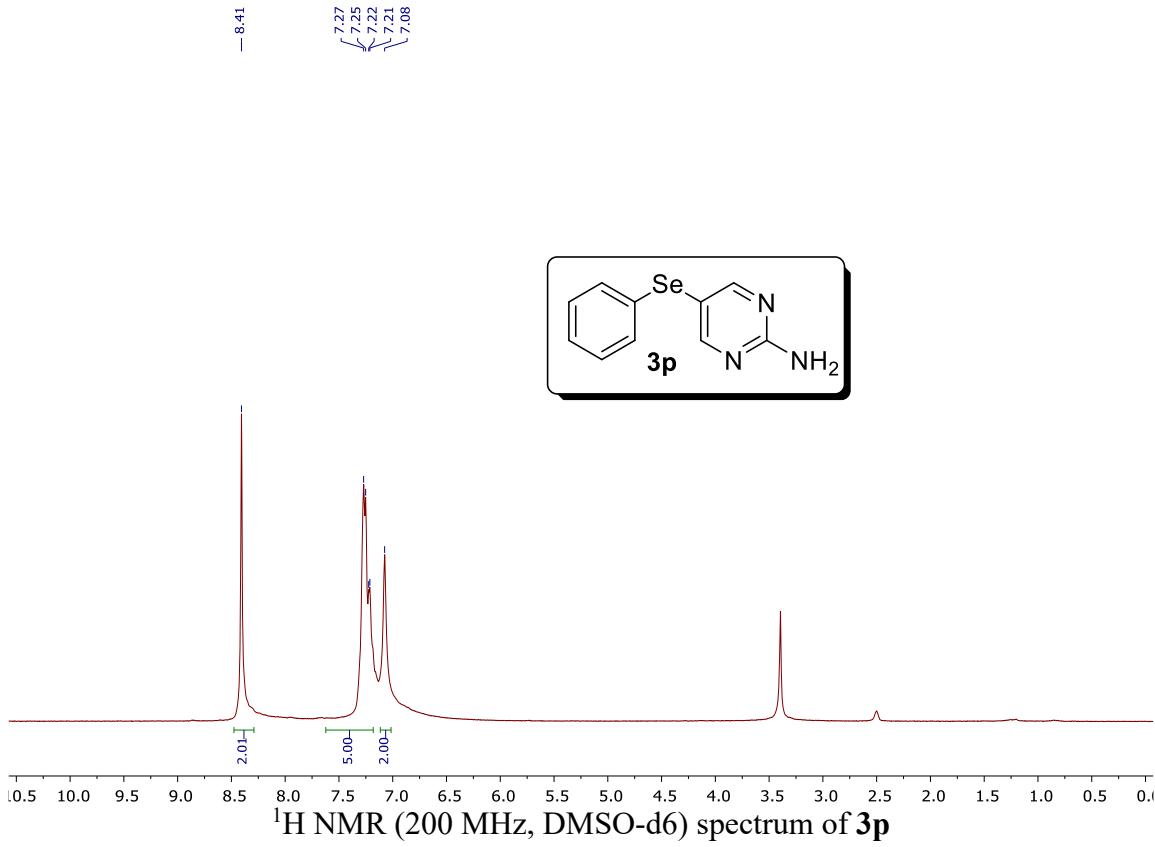
$\text{---}^{150.44}$
 $\text{---}^{144.72}$
 $\text{---}^{140.50}$
 $\text{---}^{132.48}$
 $\text{---}^{129.35}$
 $\text{---}^{129.00}$
 $\text{---}^{126.21}$
 $\text{---}^{117.18}$

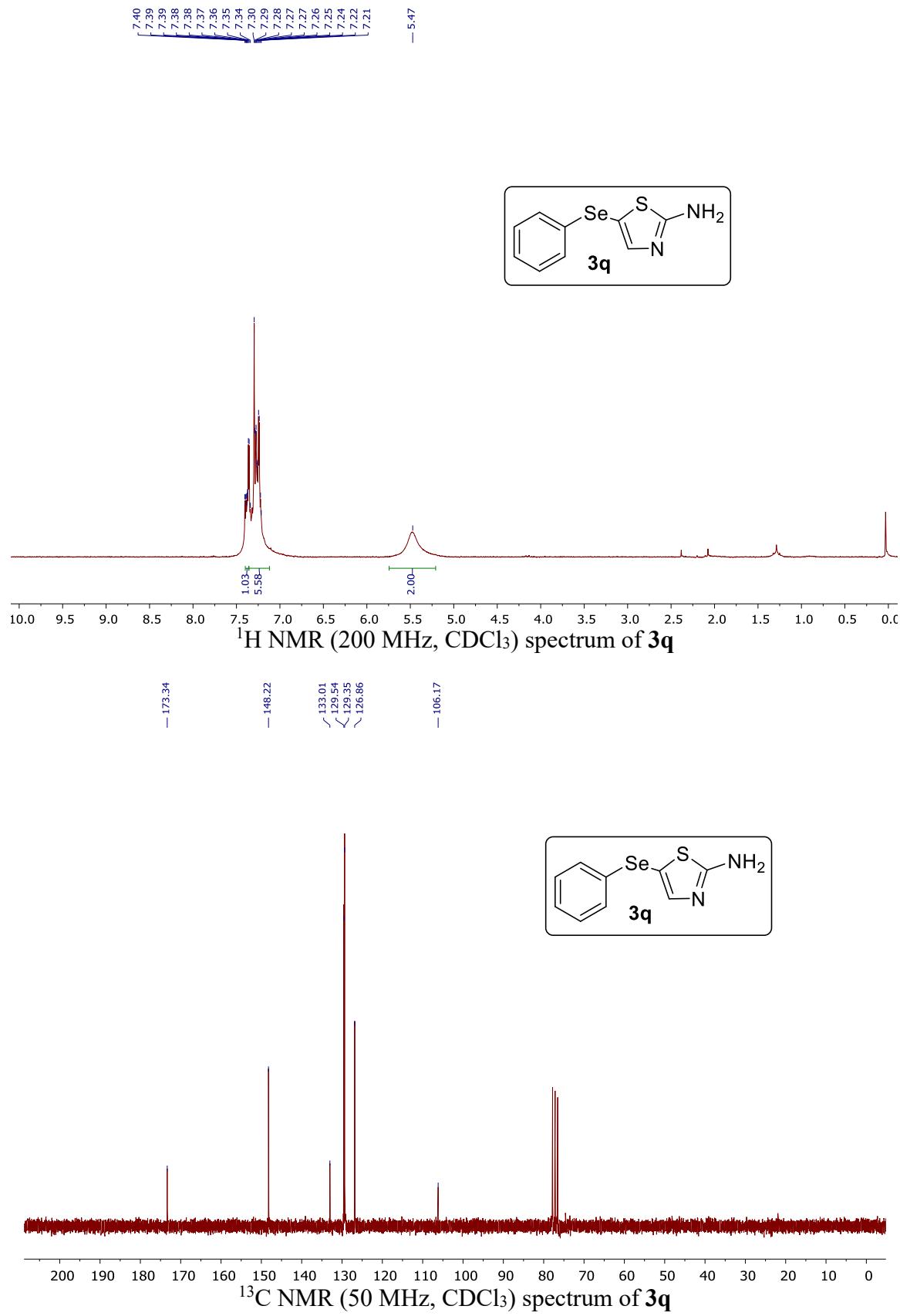
$\text{---}^{102.51}$
 $\text{---}^{101.19}$
 $\text{---}^{97.07}$

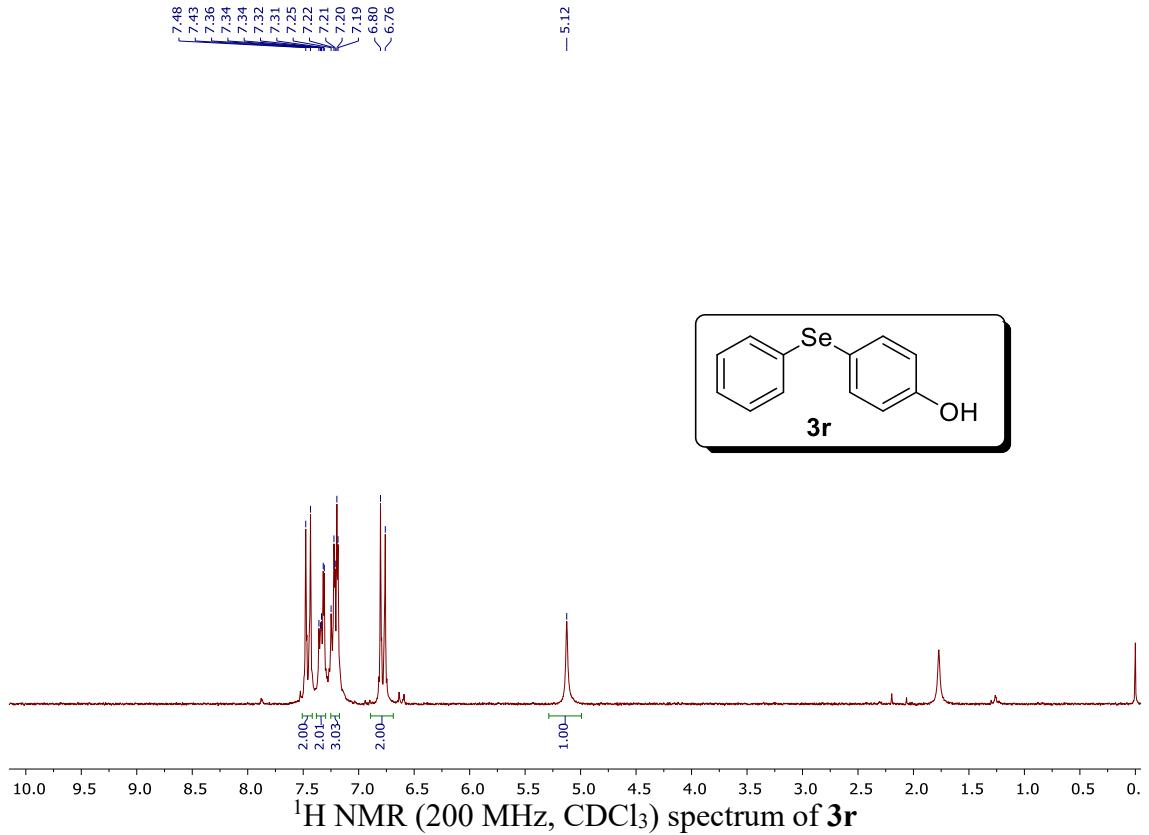




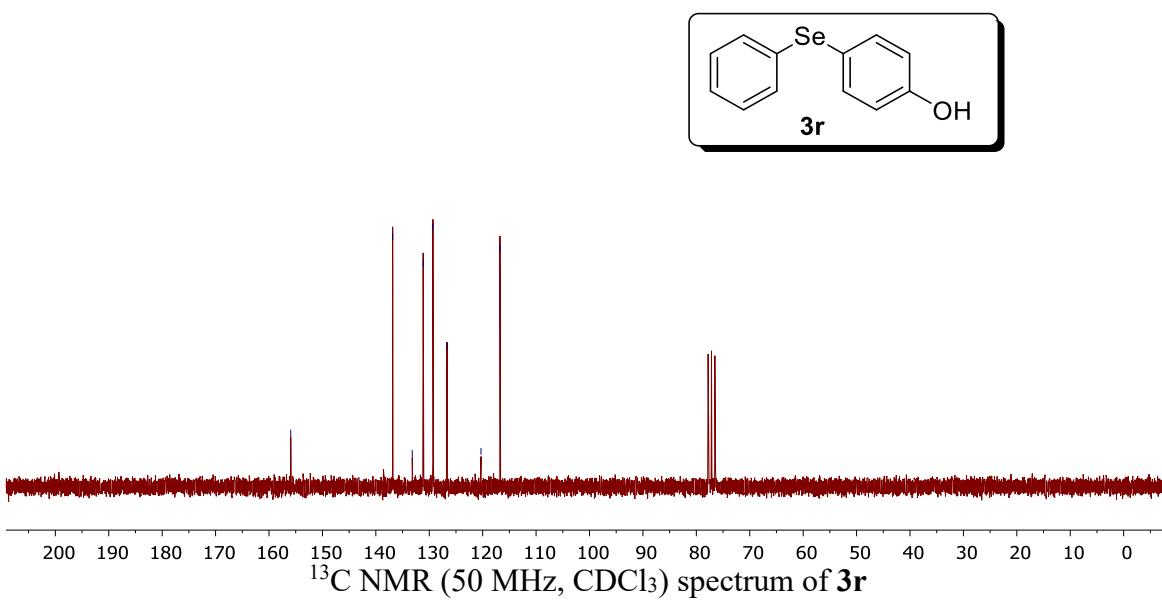


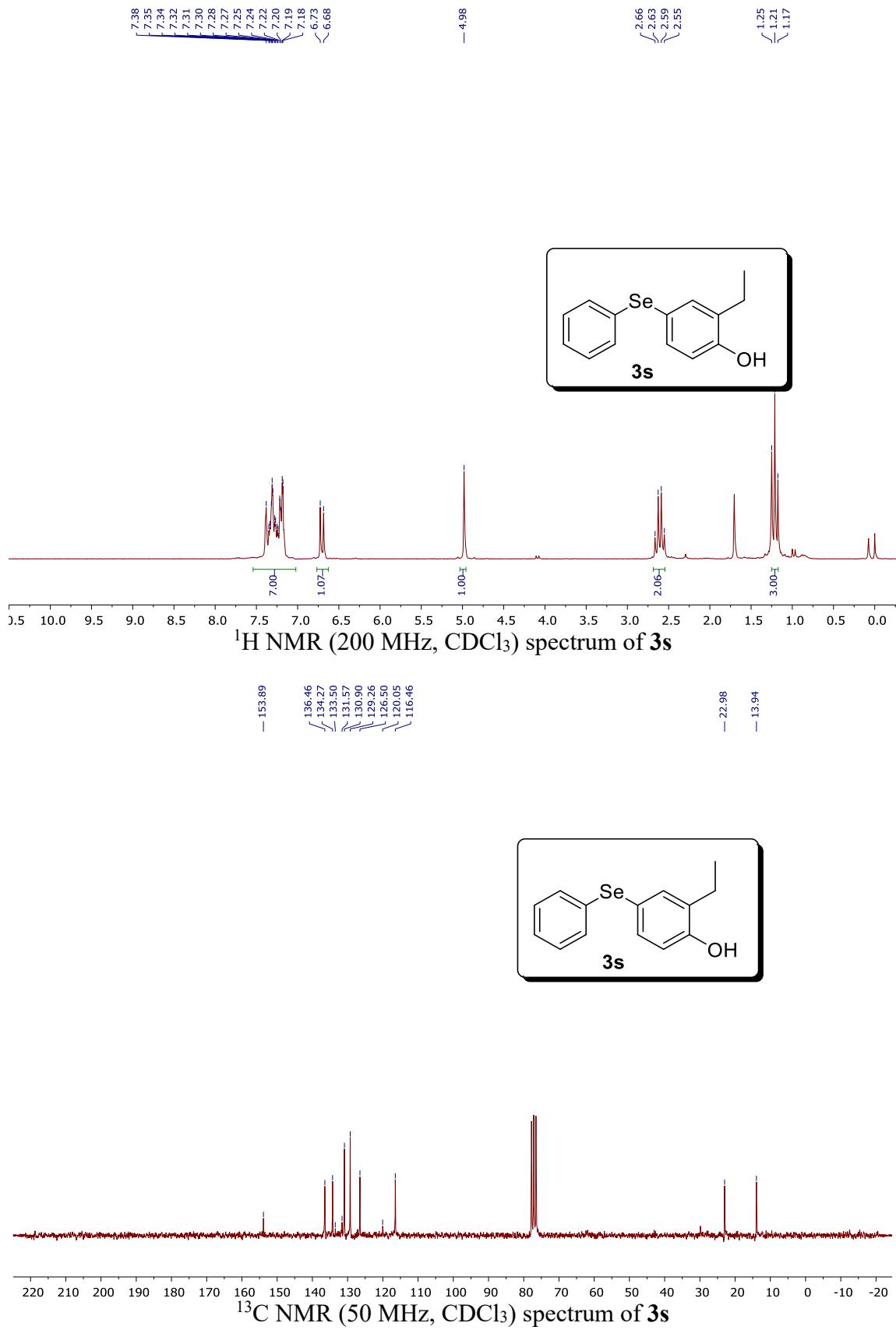


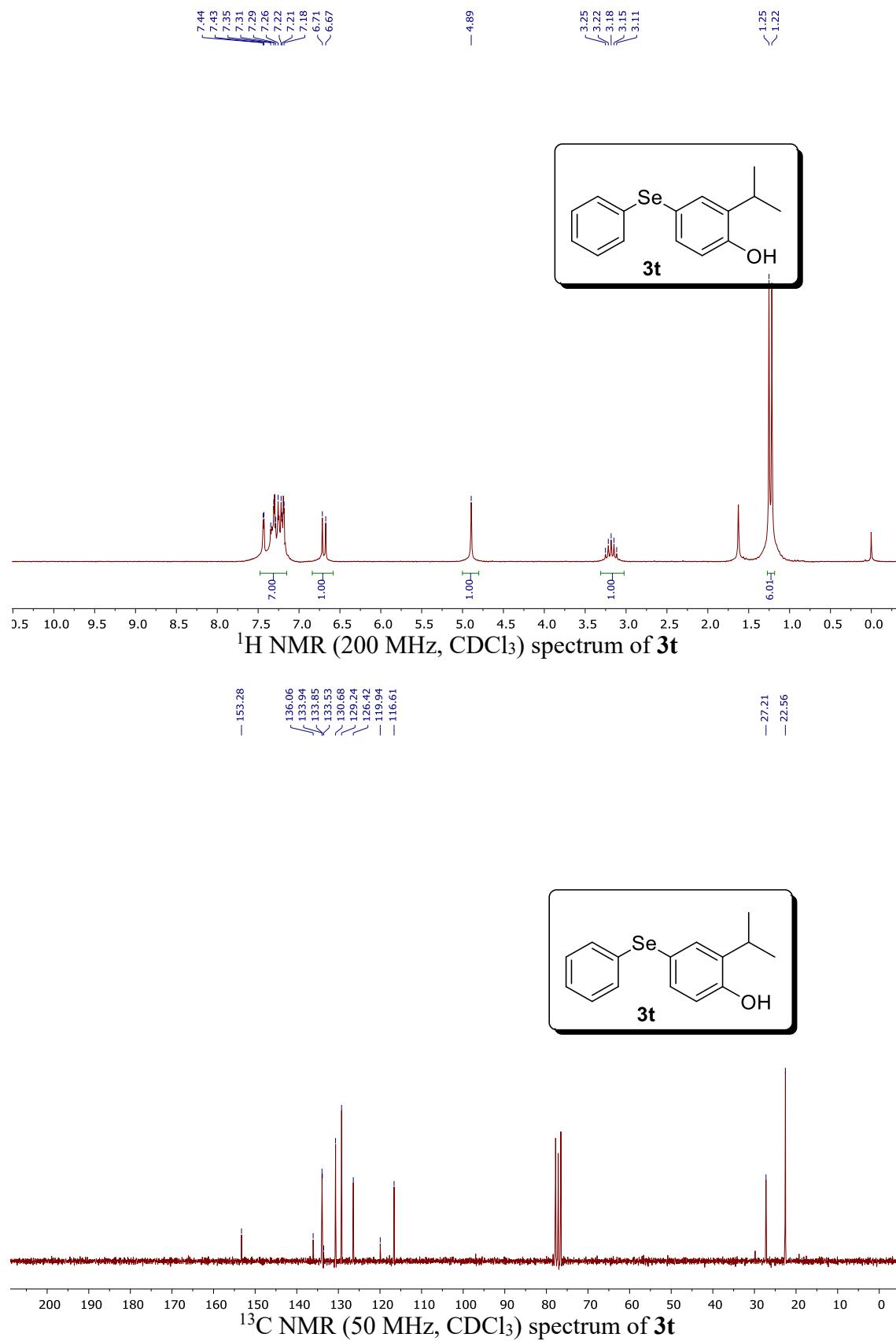


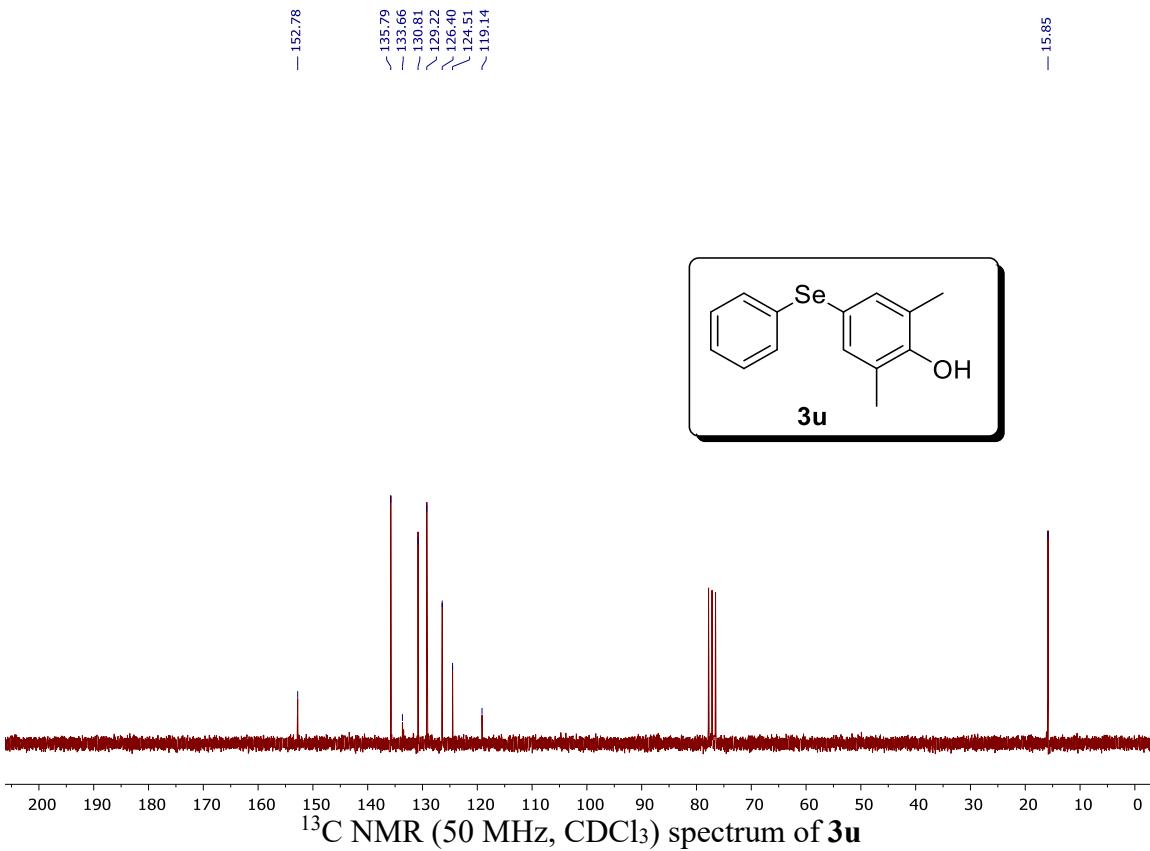
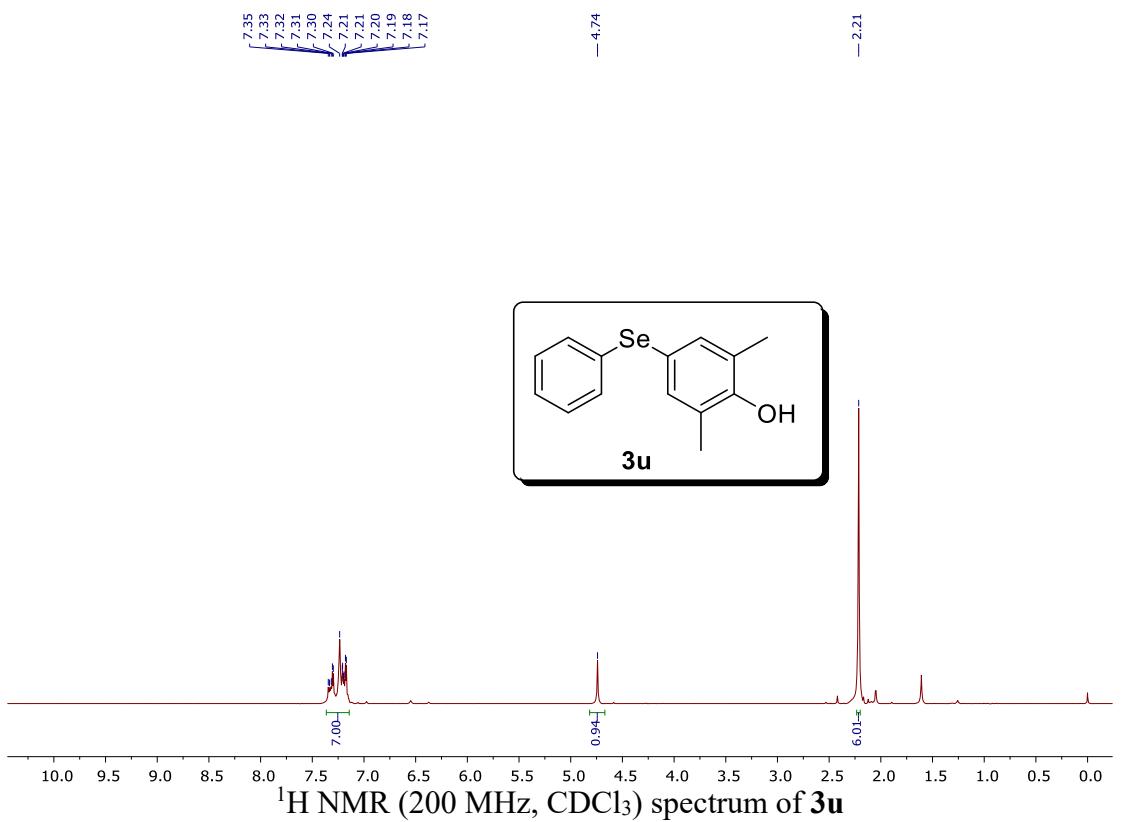


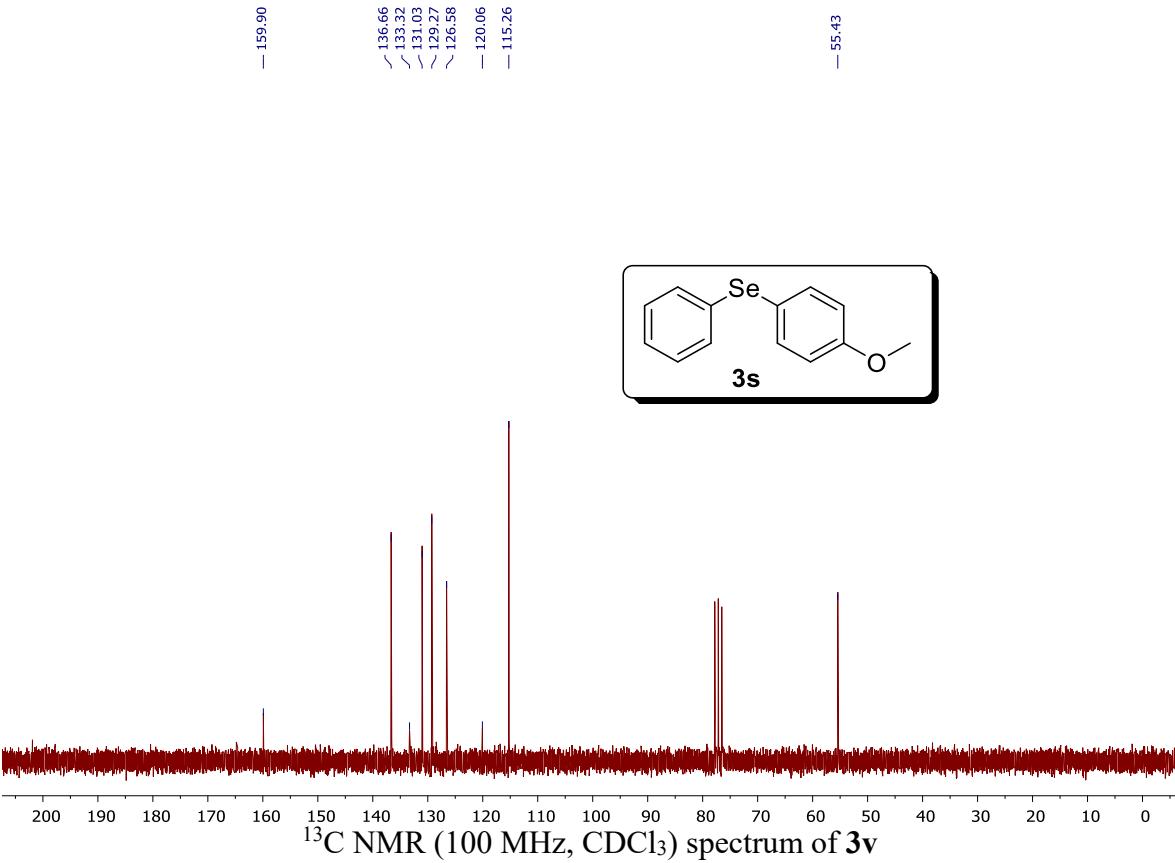
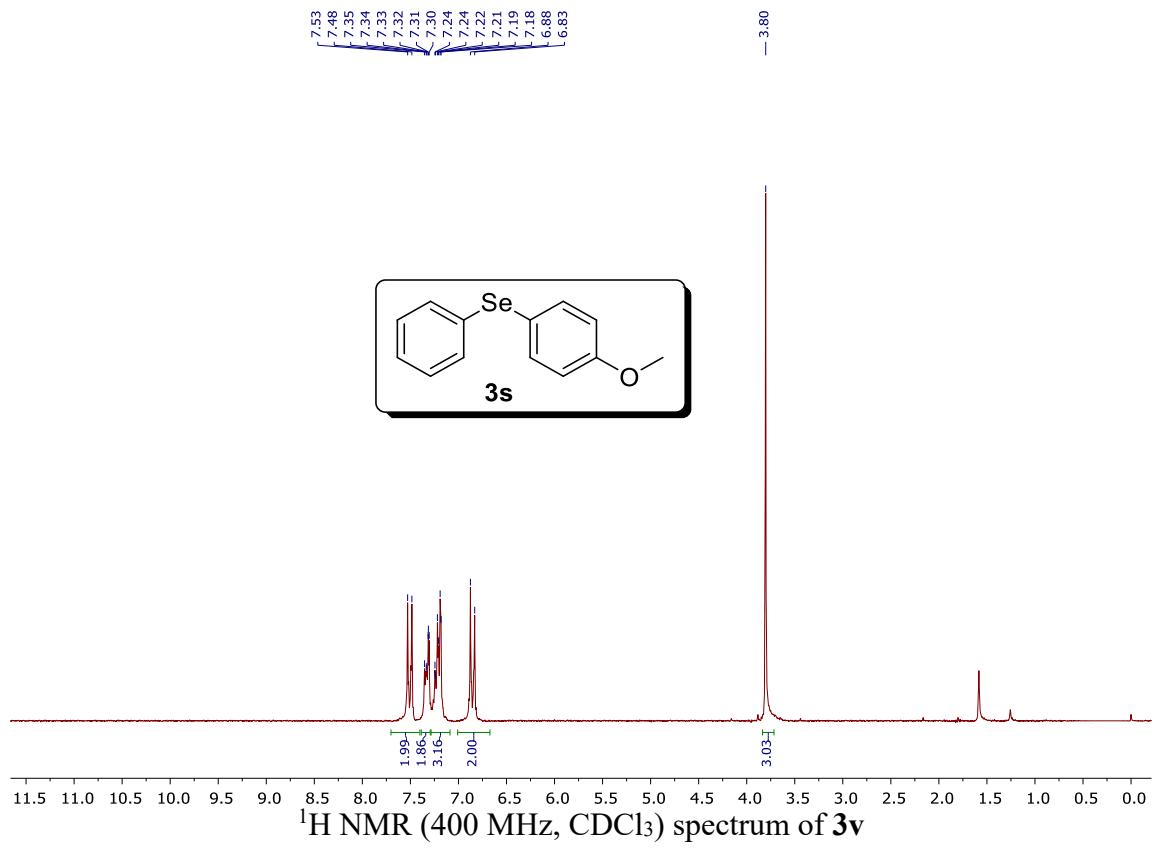
— 155.93
— 136.85
— 133.18
— 131.14
— > 129.31
— > 126.68
— 120.31
— 116.76

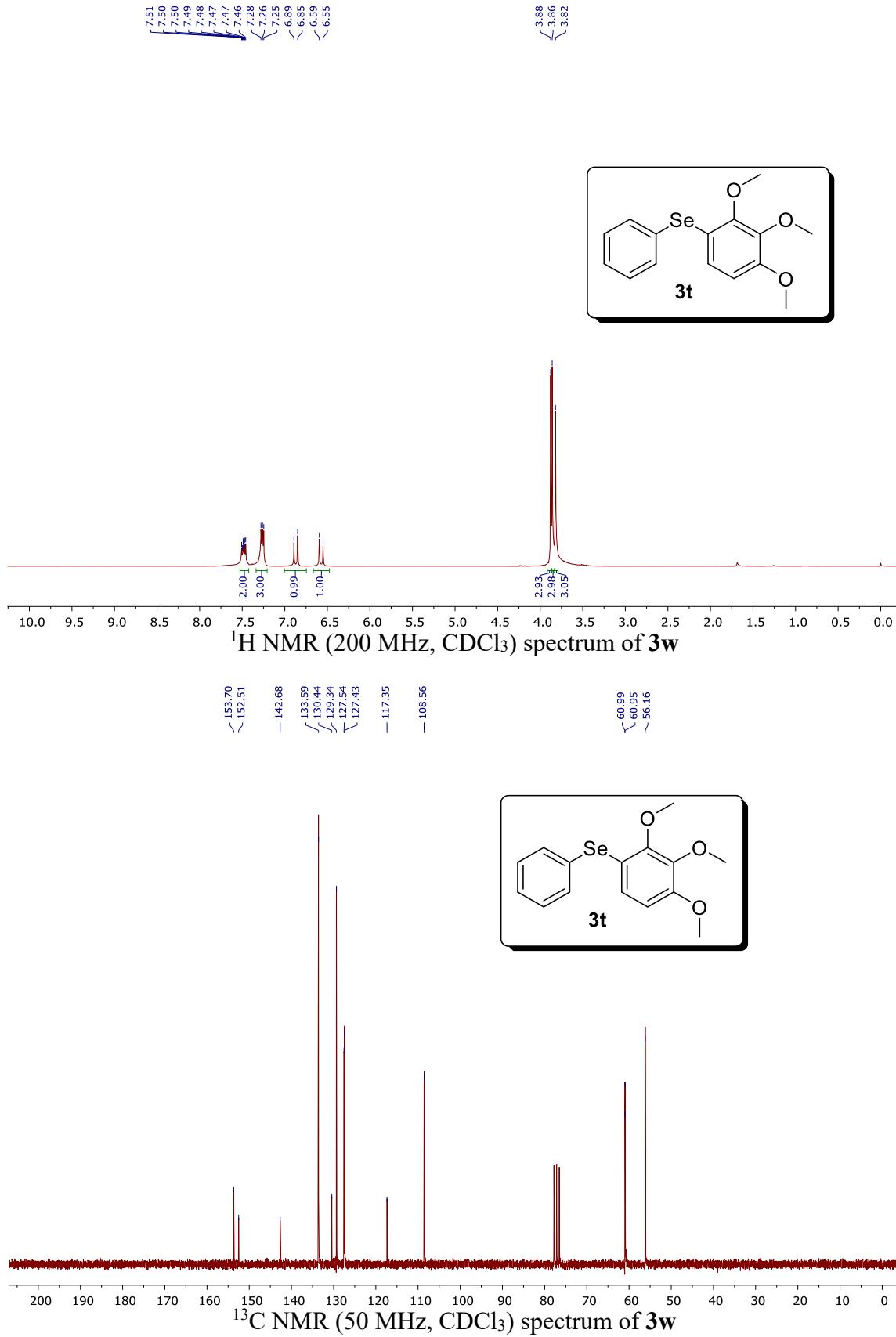


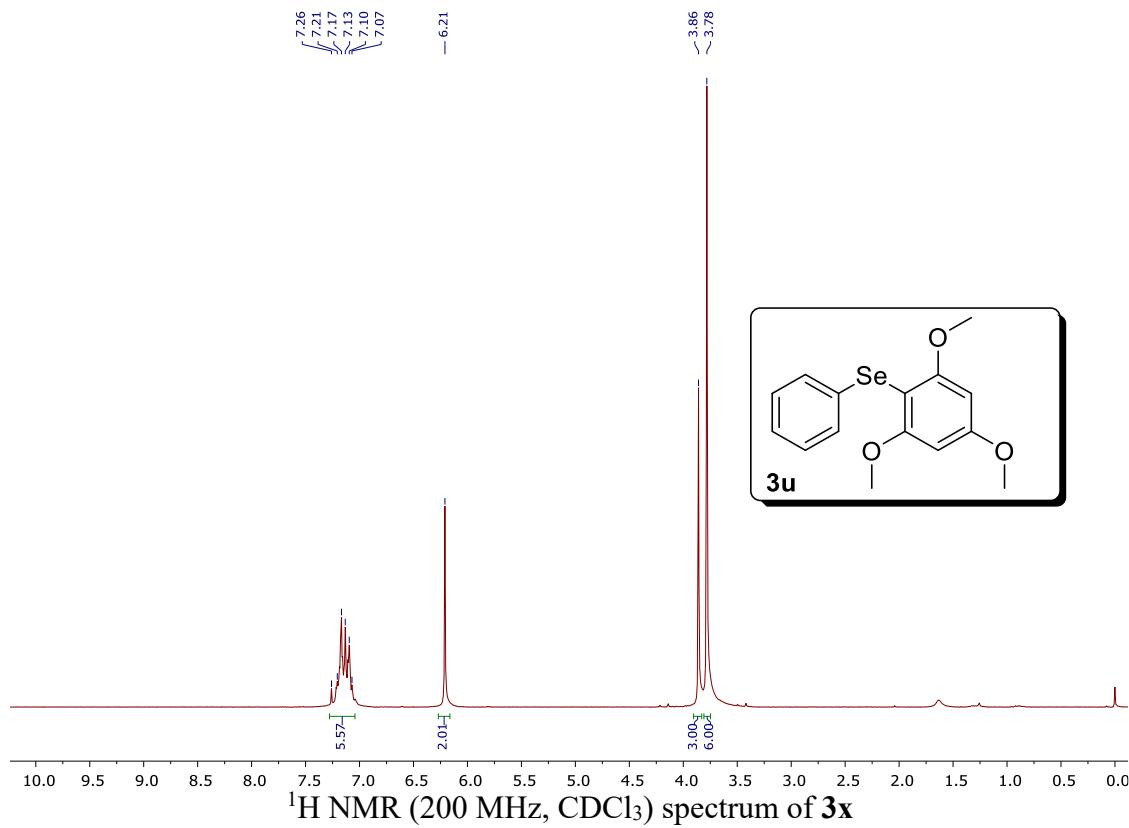




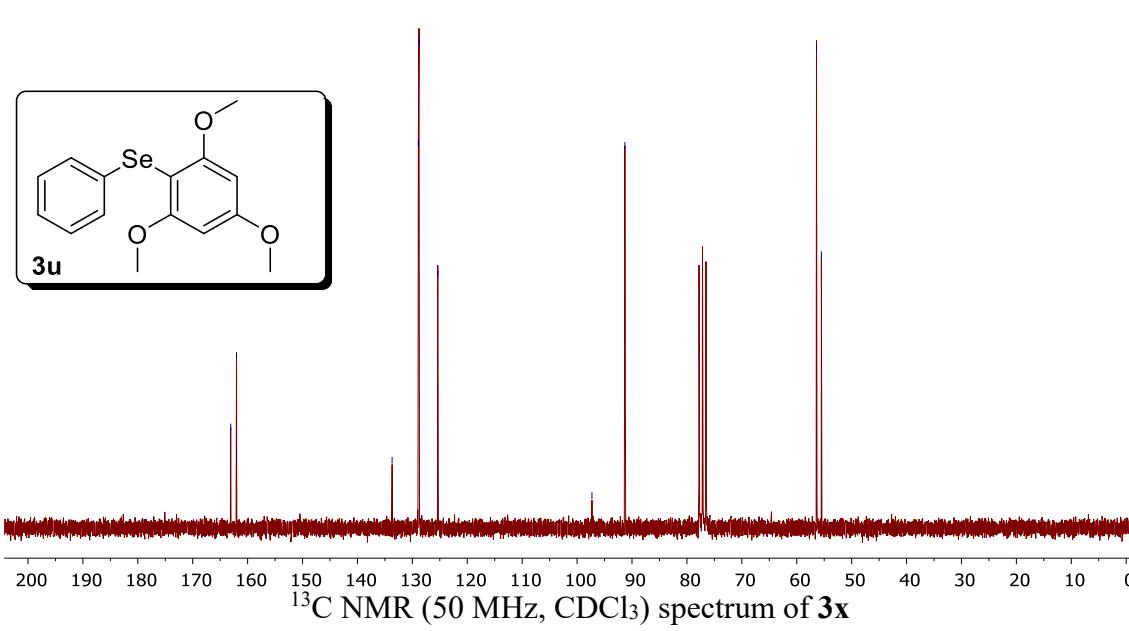


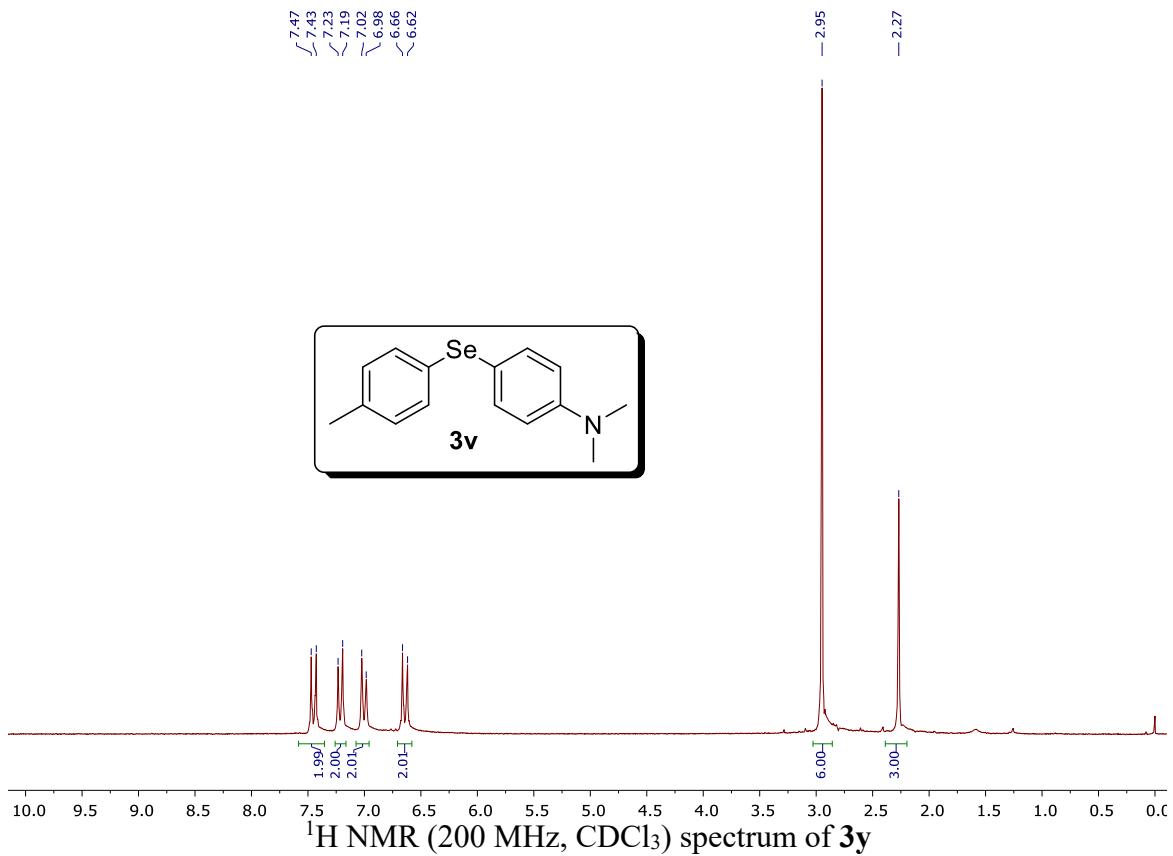




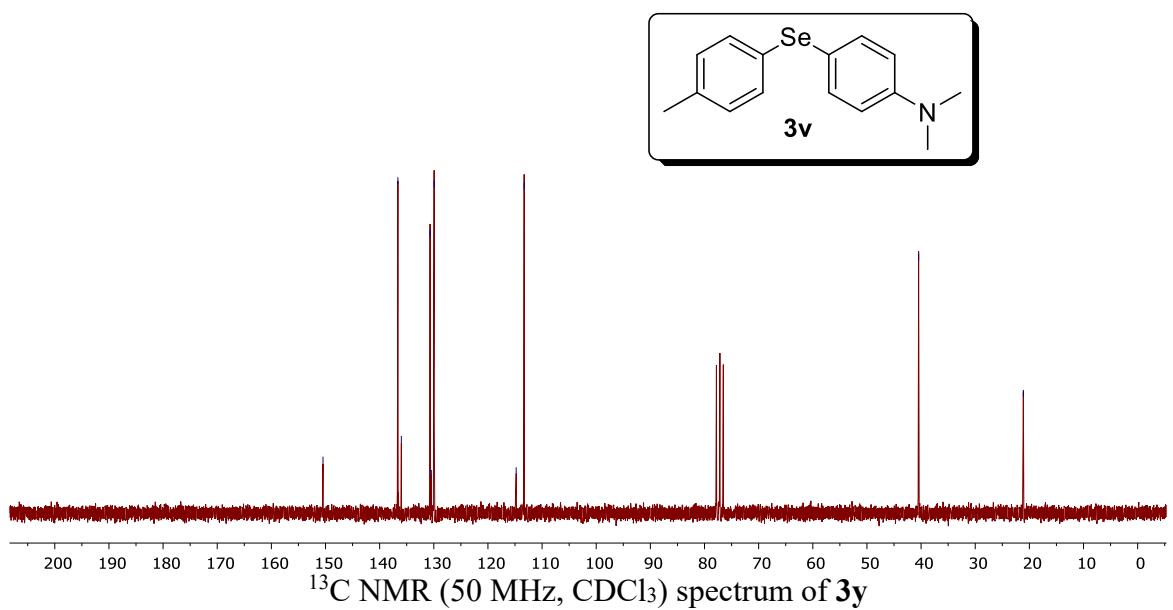


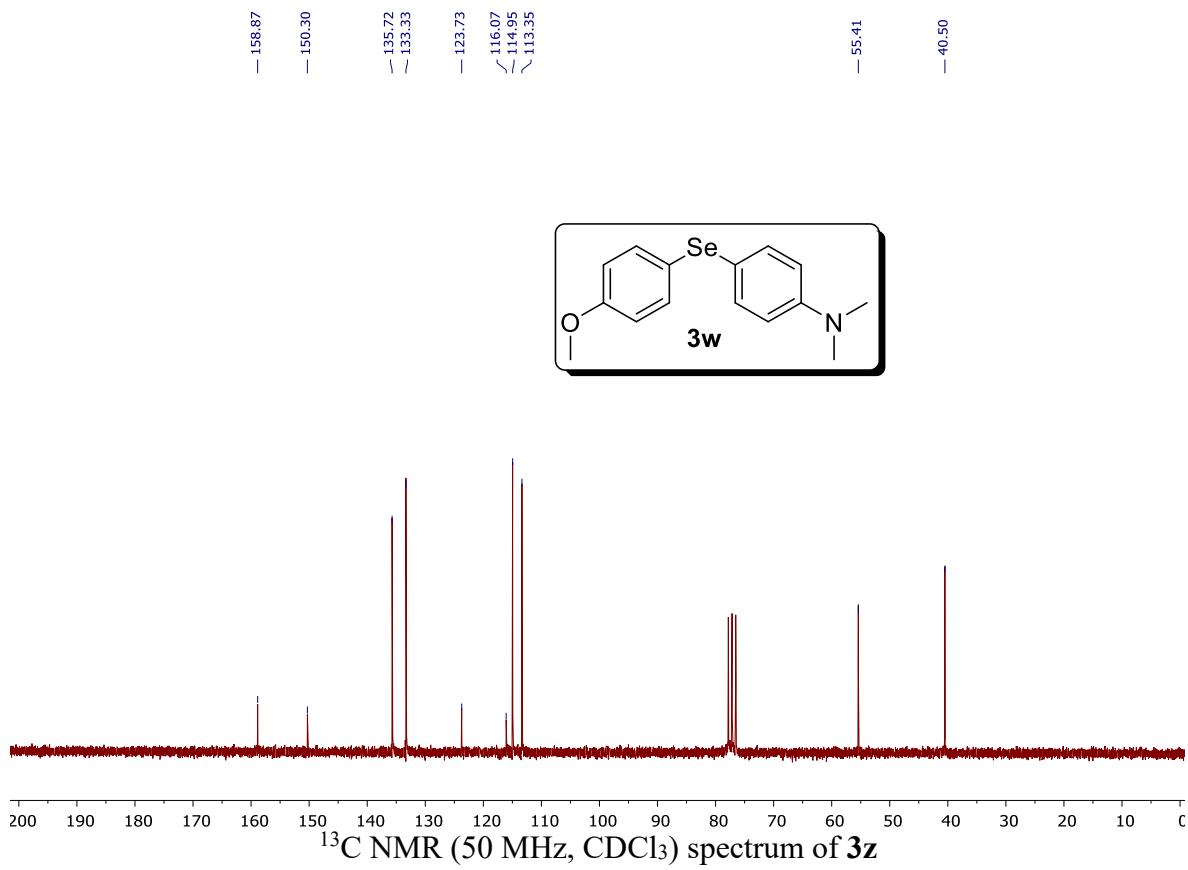
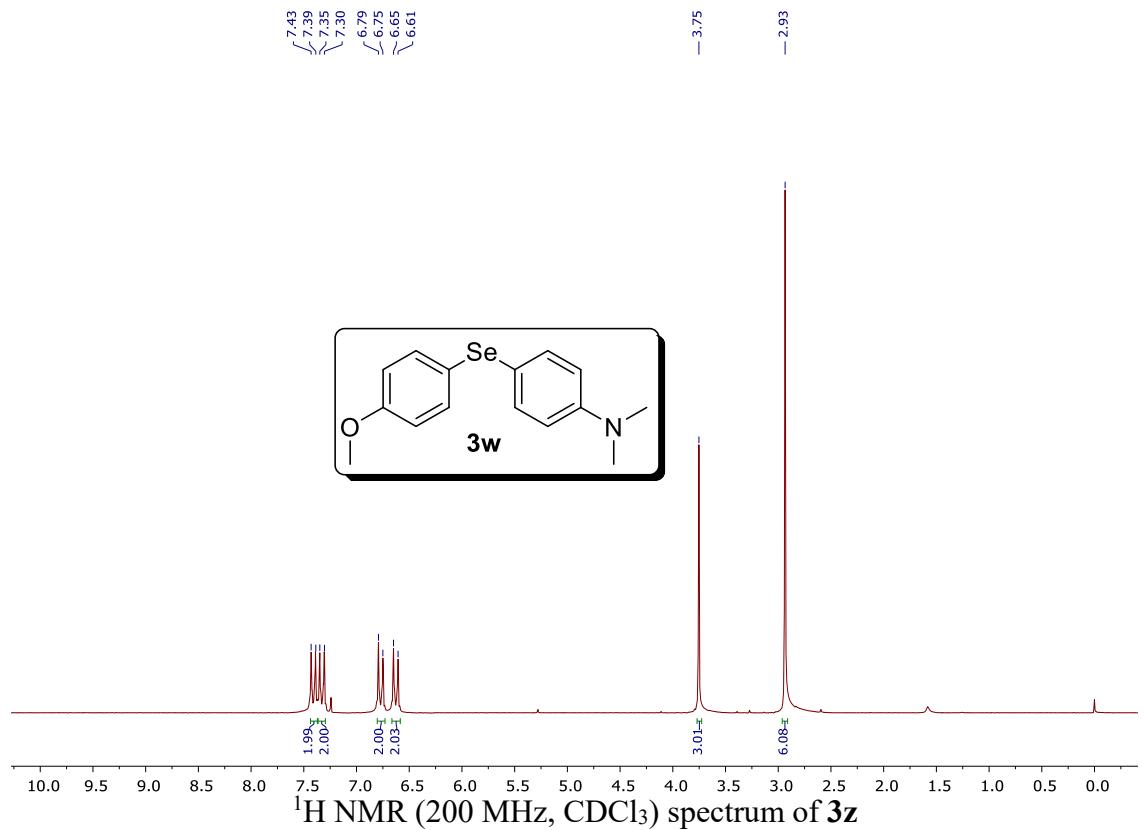
¹H NMR (200 MHz, CDCl₃) spectrum of **3x**

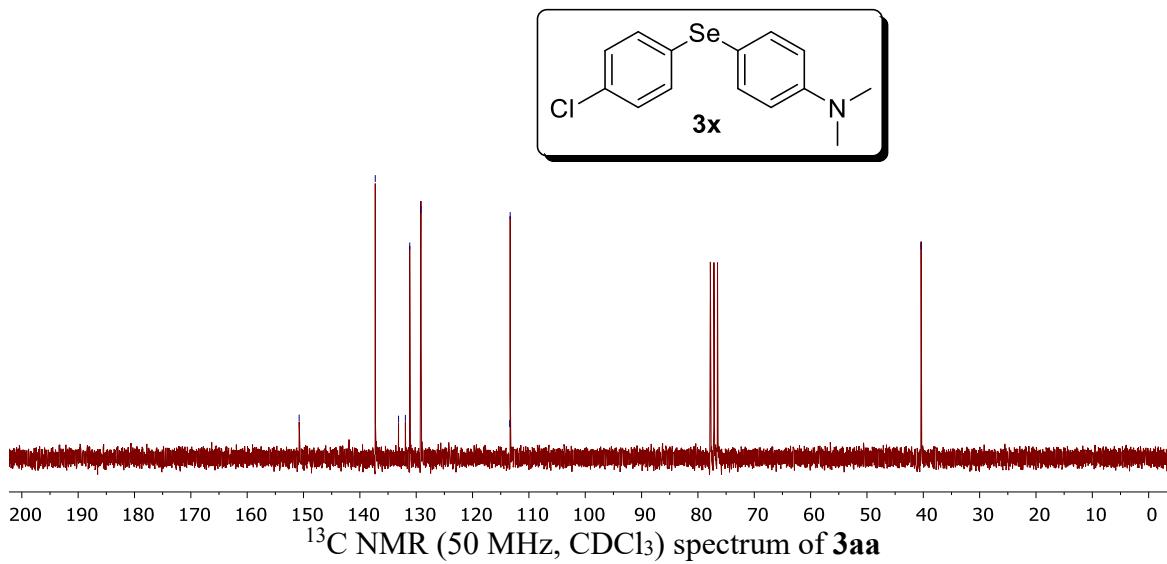
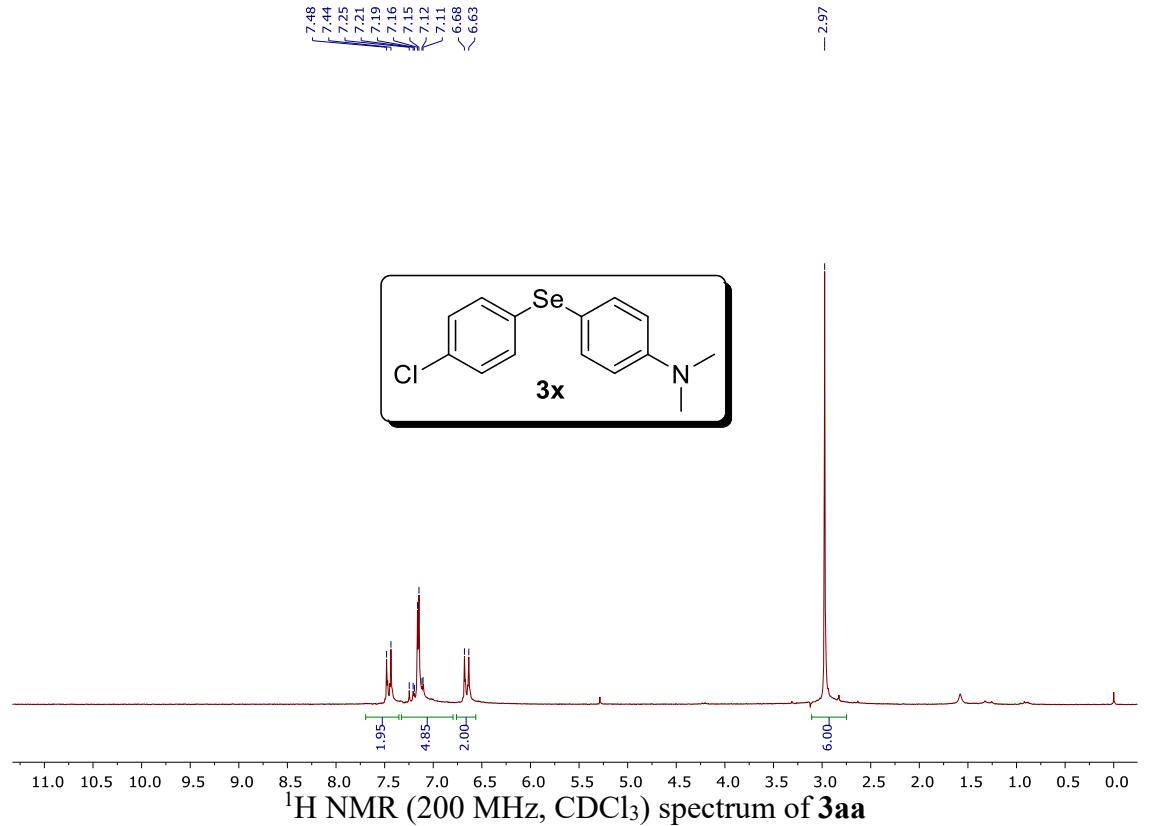


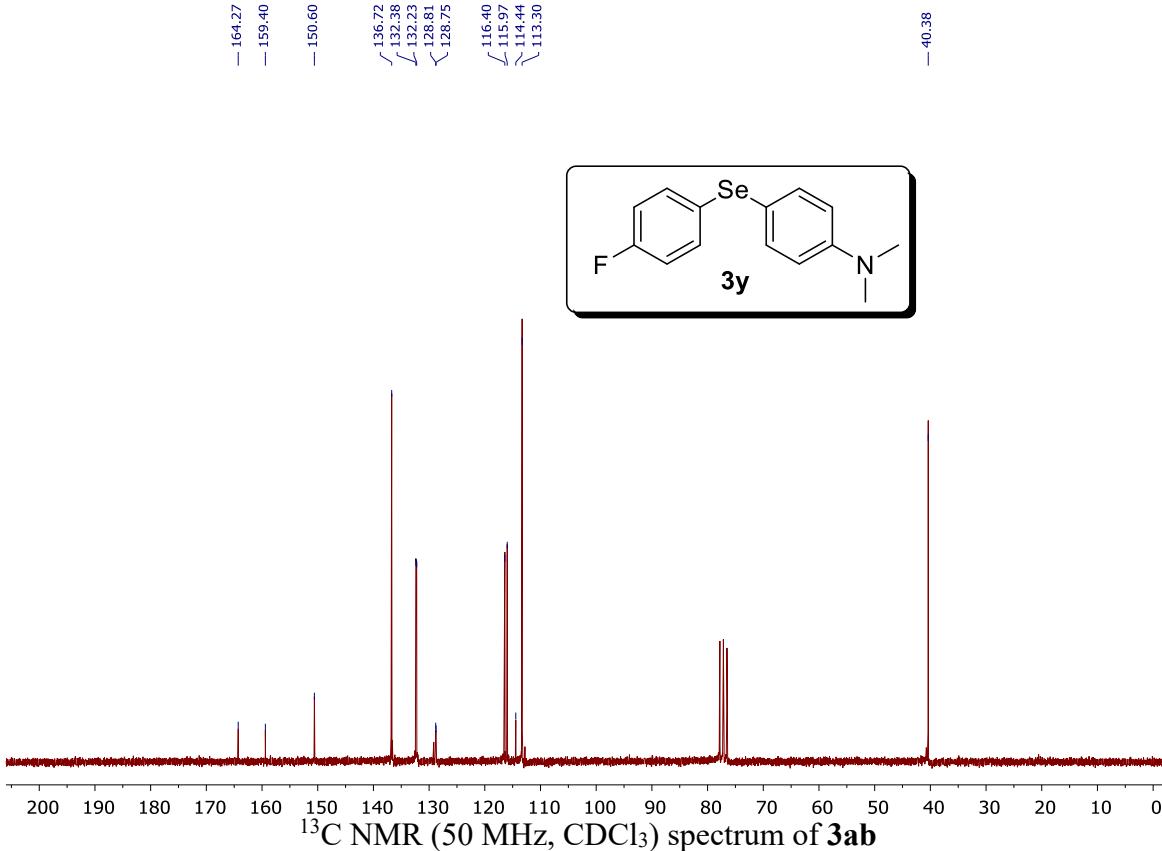
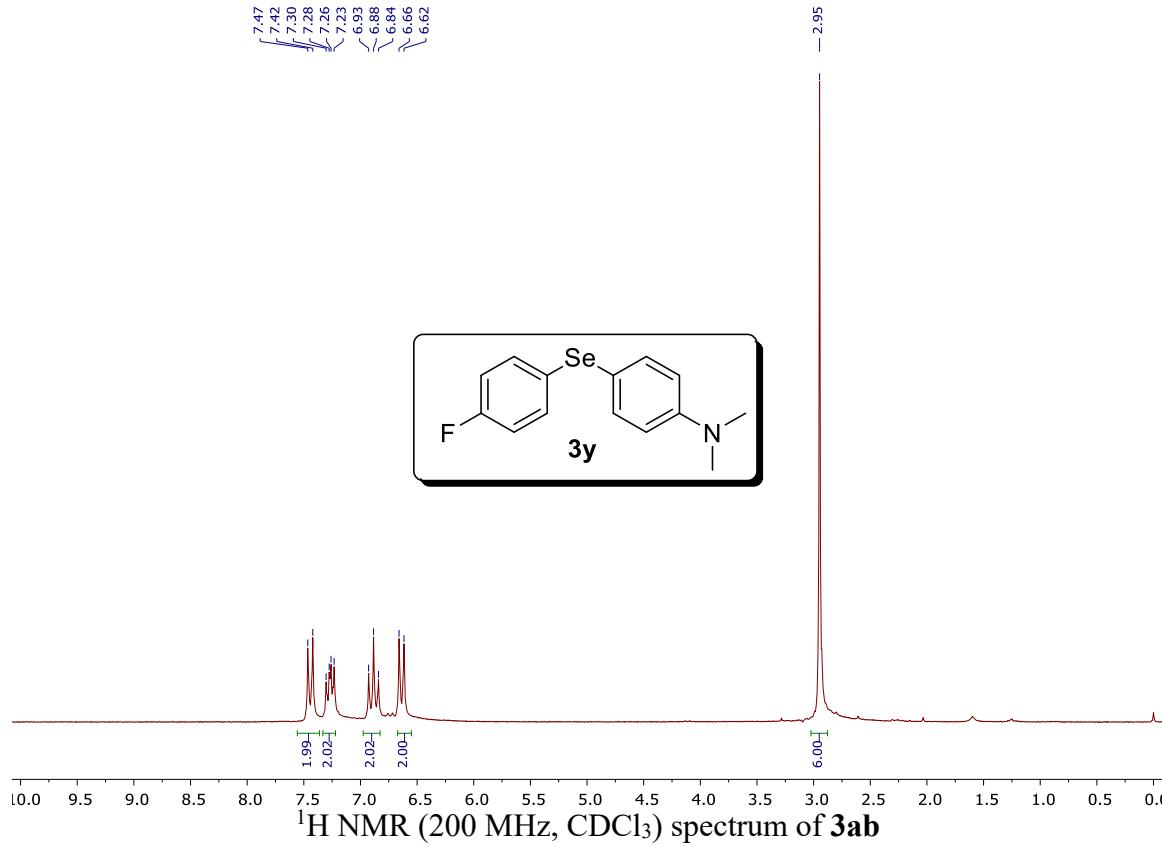


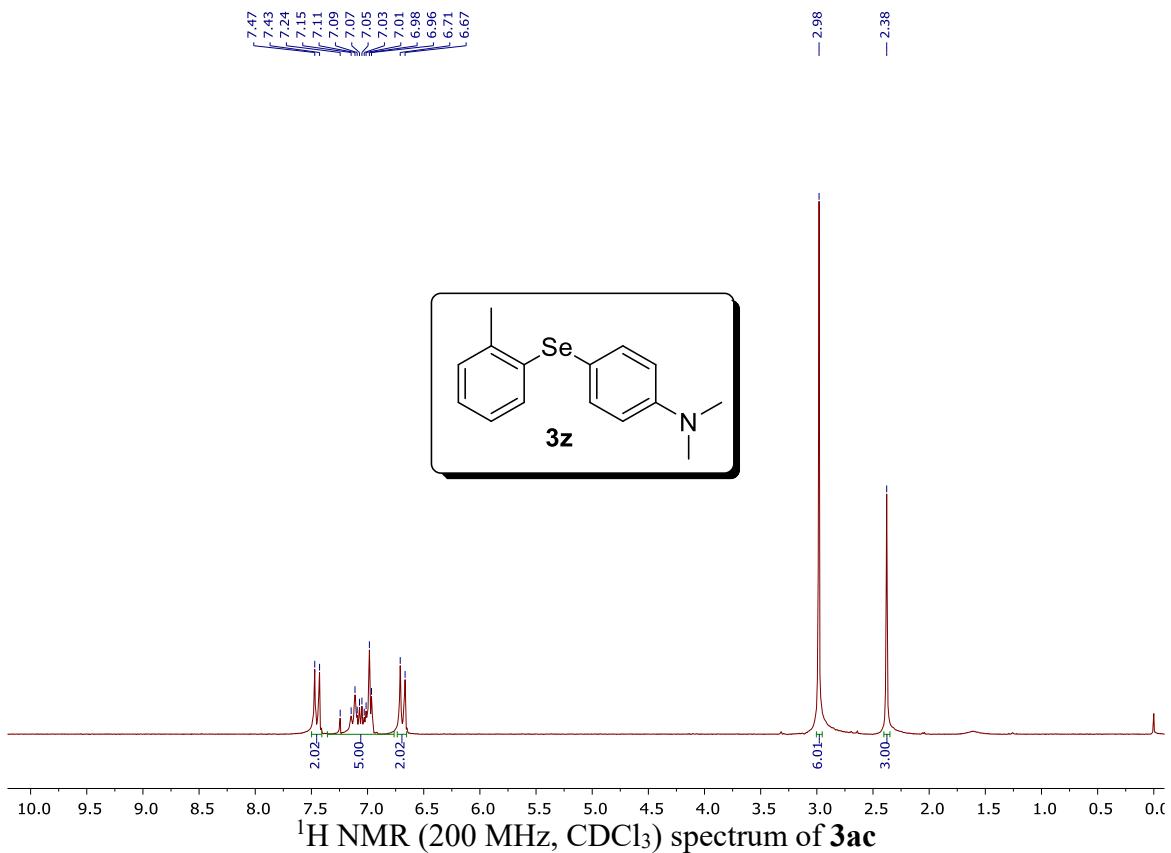
— 150.46 — 136.63 — 135.99 — 136.69 — 130.46 — 129.94
— 114.78 — 113.31 — 40.45 — 21.11



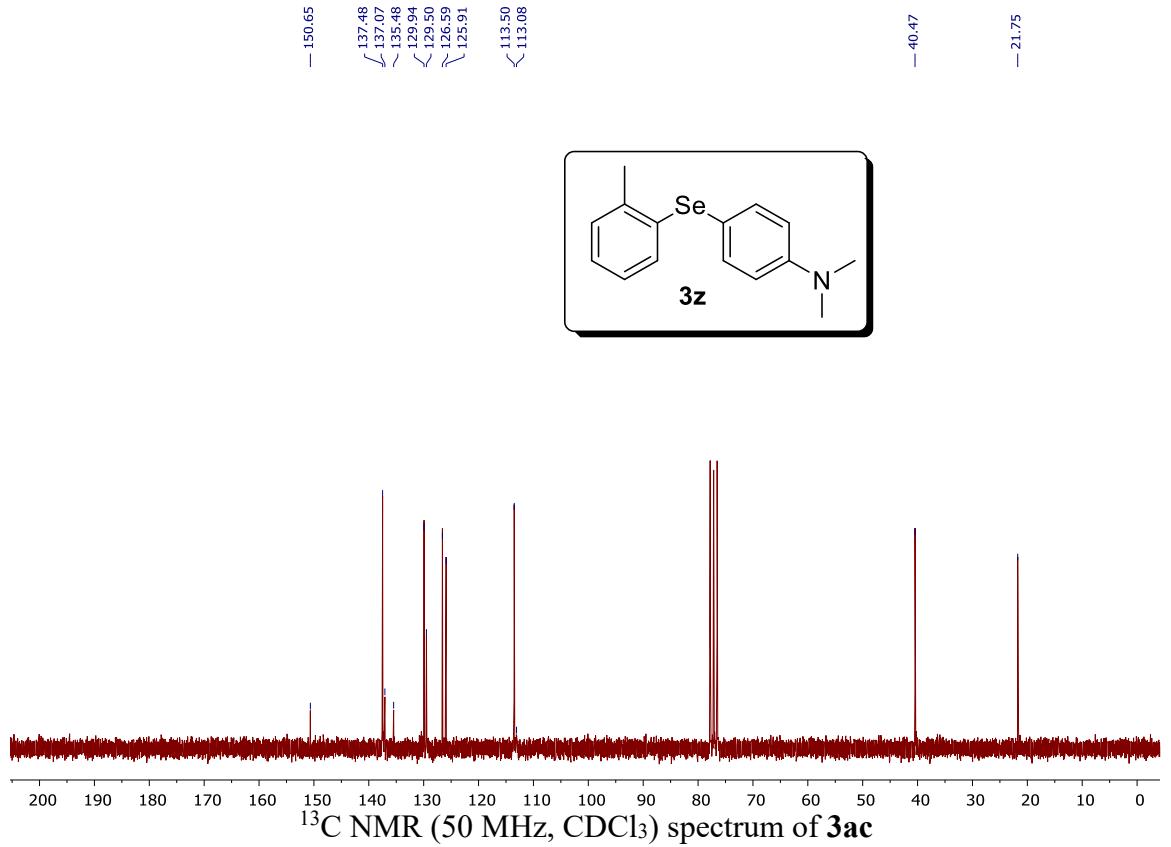




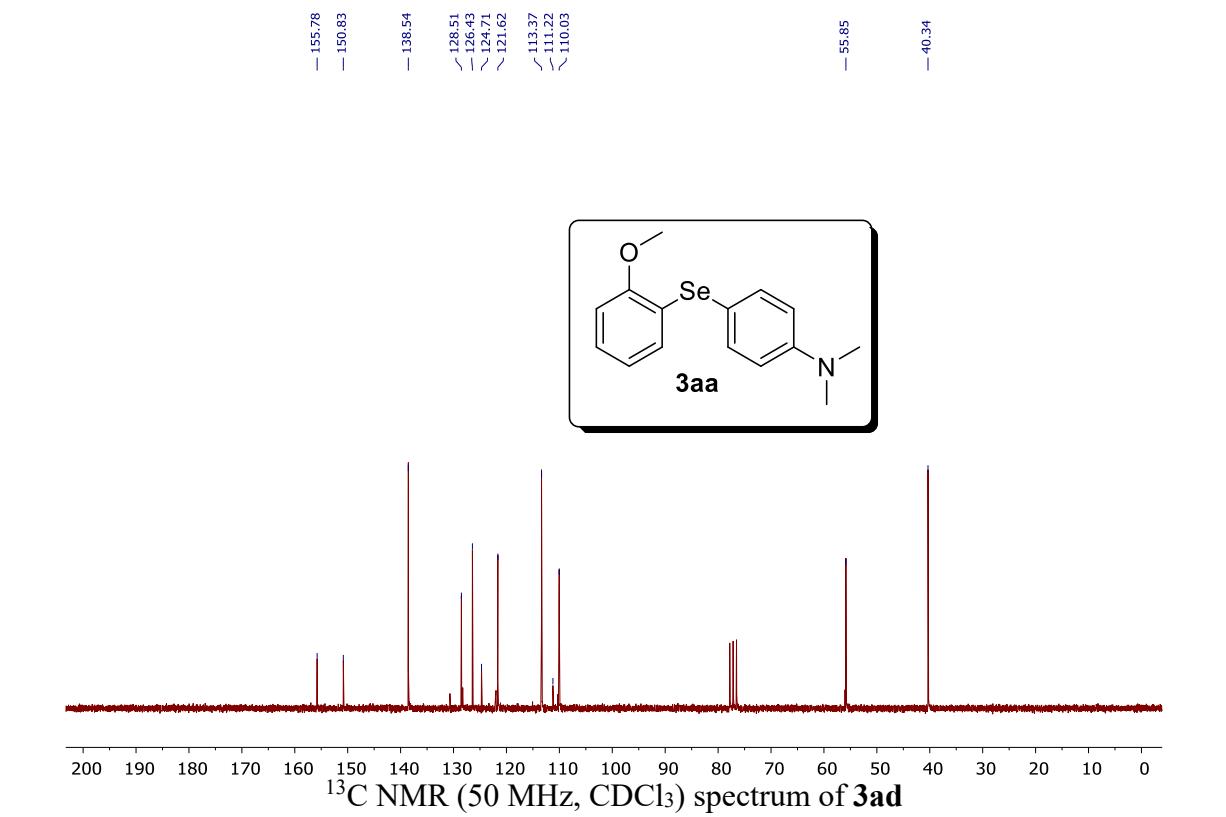
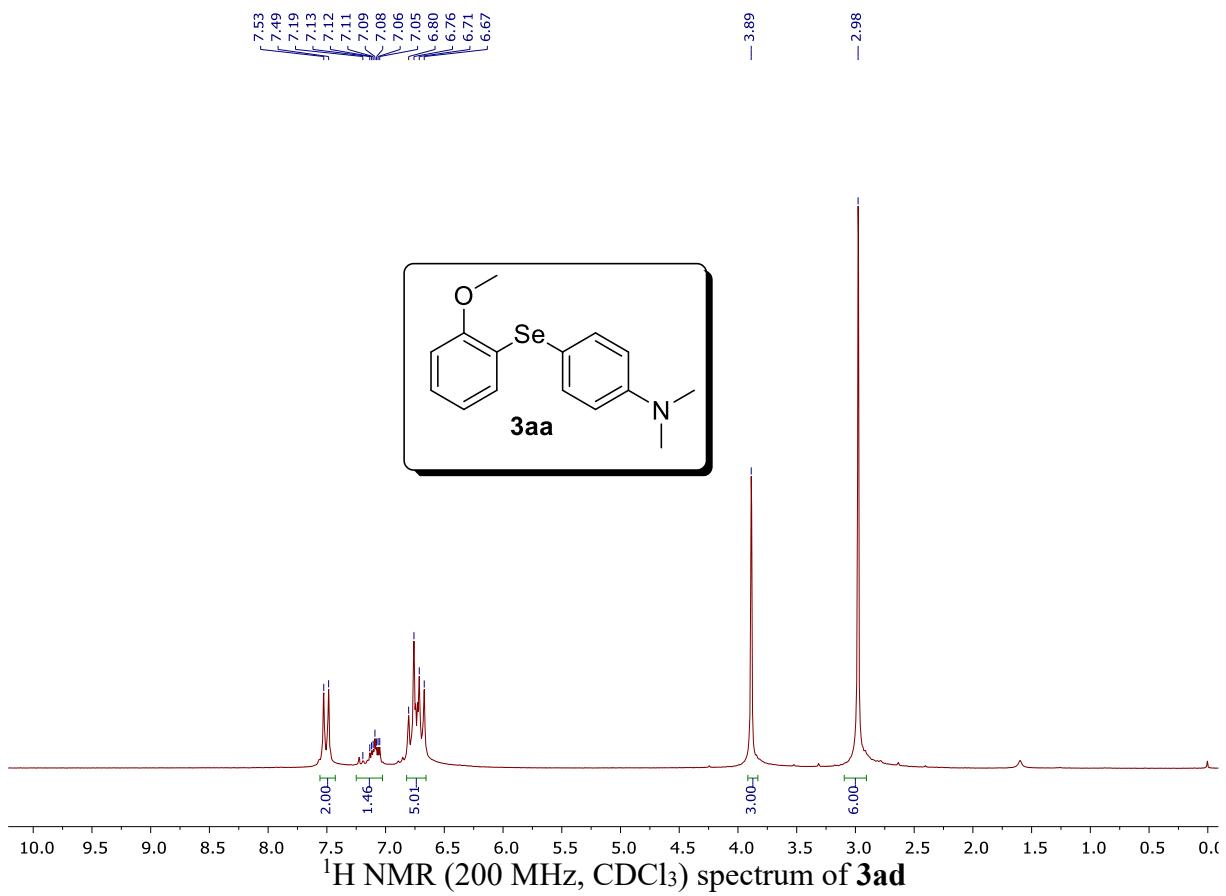


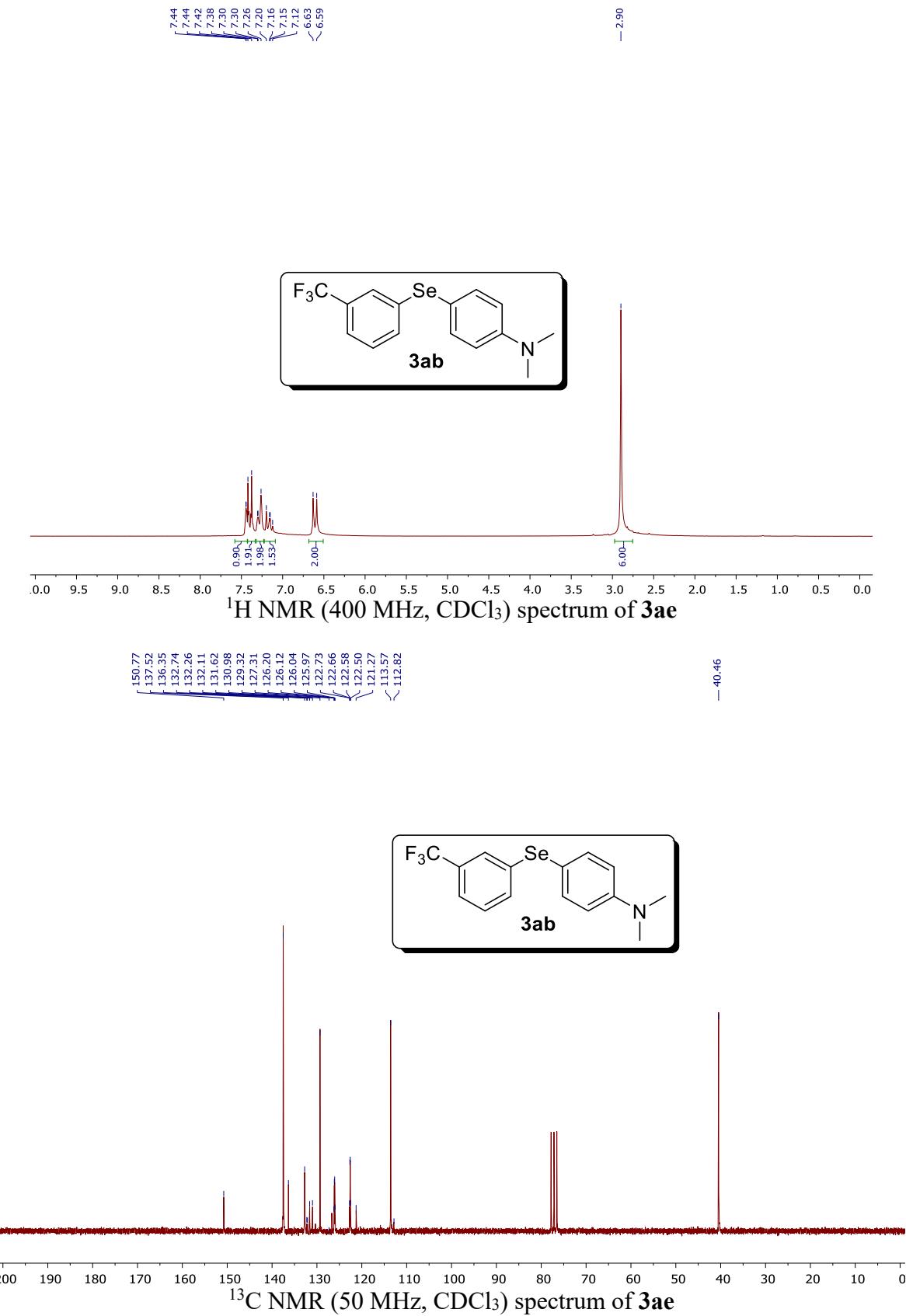


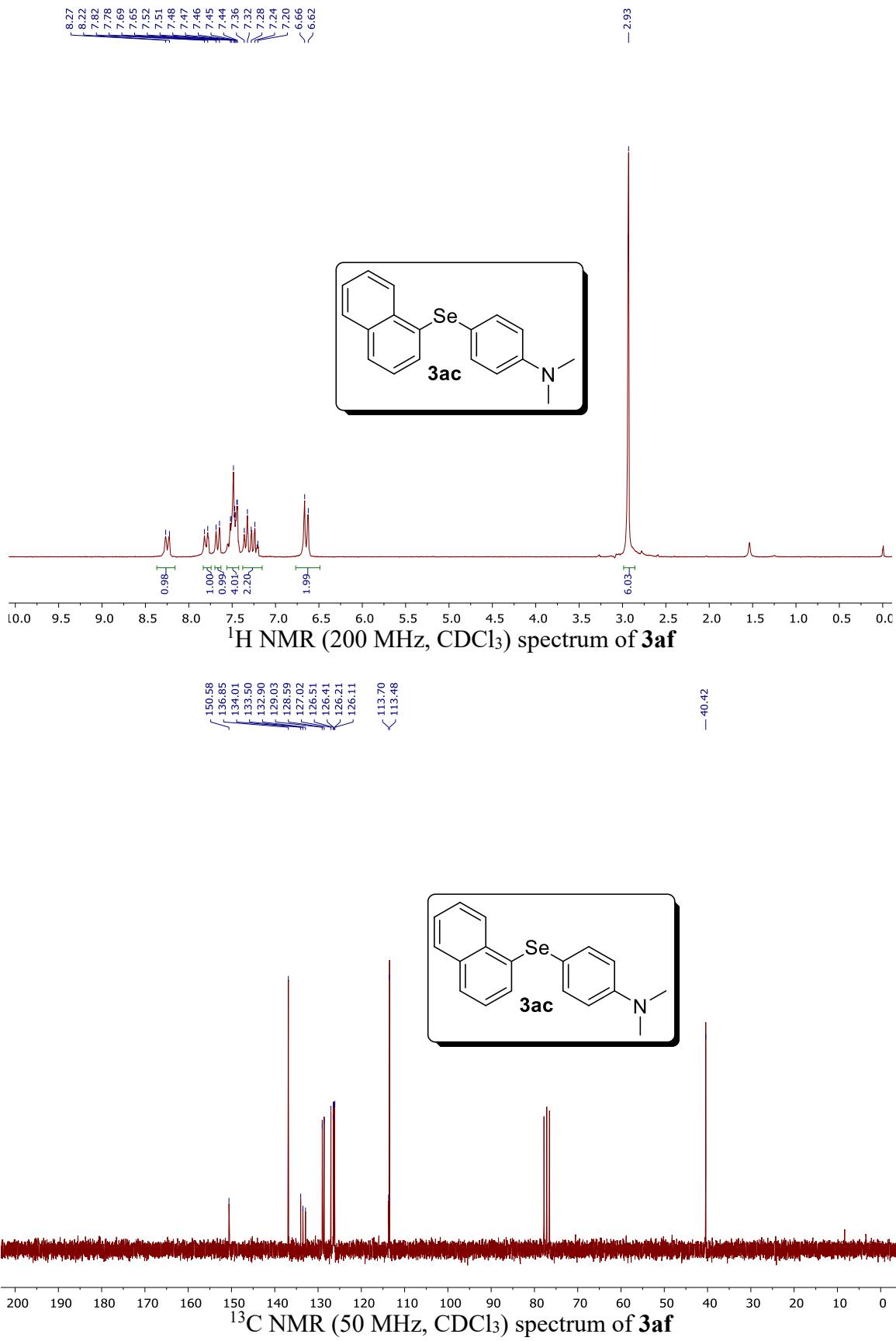
¹H NMR (200 MHz, CDCl₃) spectrum of 3ac

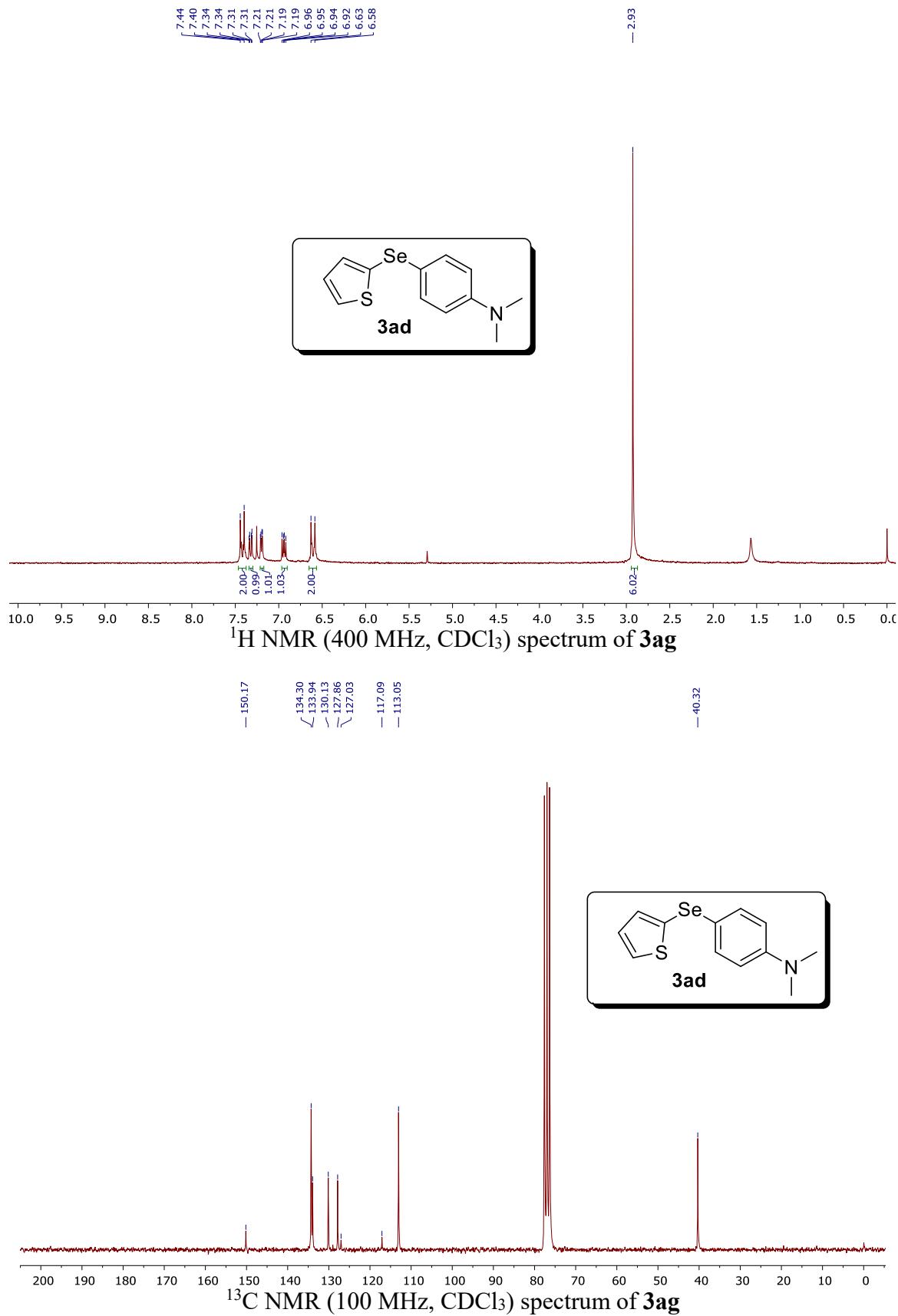


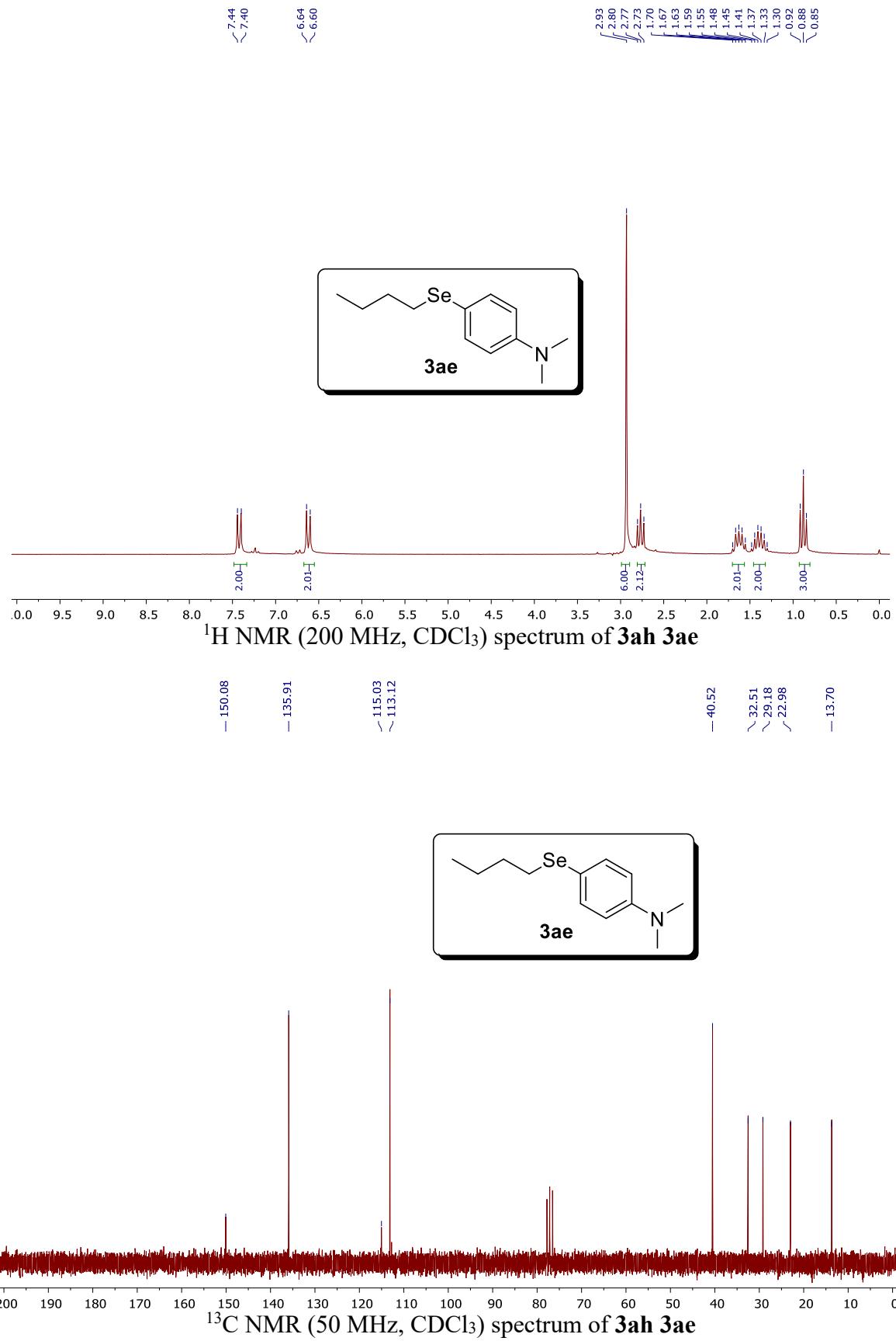
¹³C NMR (50 MHz, CDCl₃) spectrum of 3ac

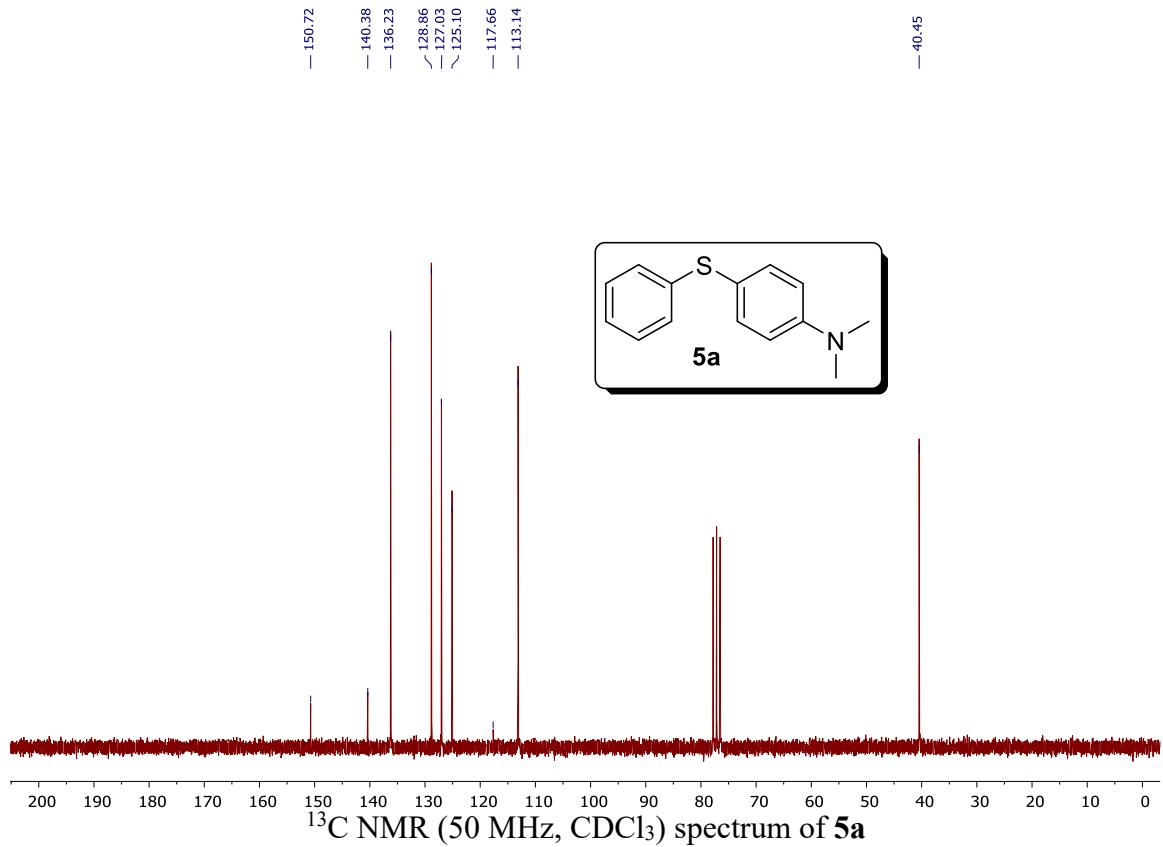
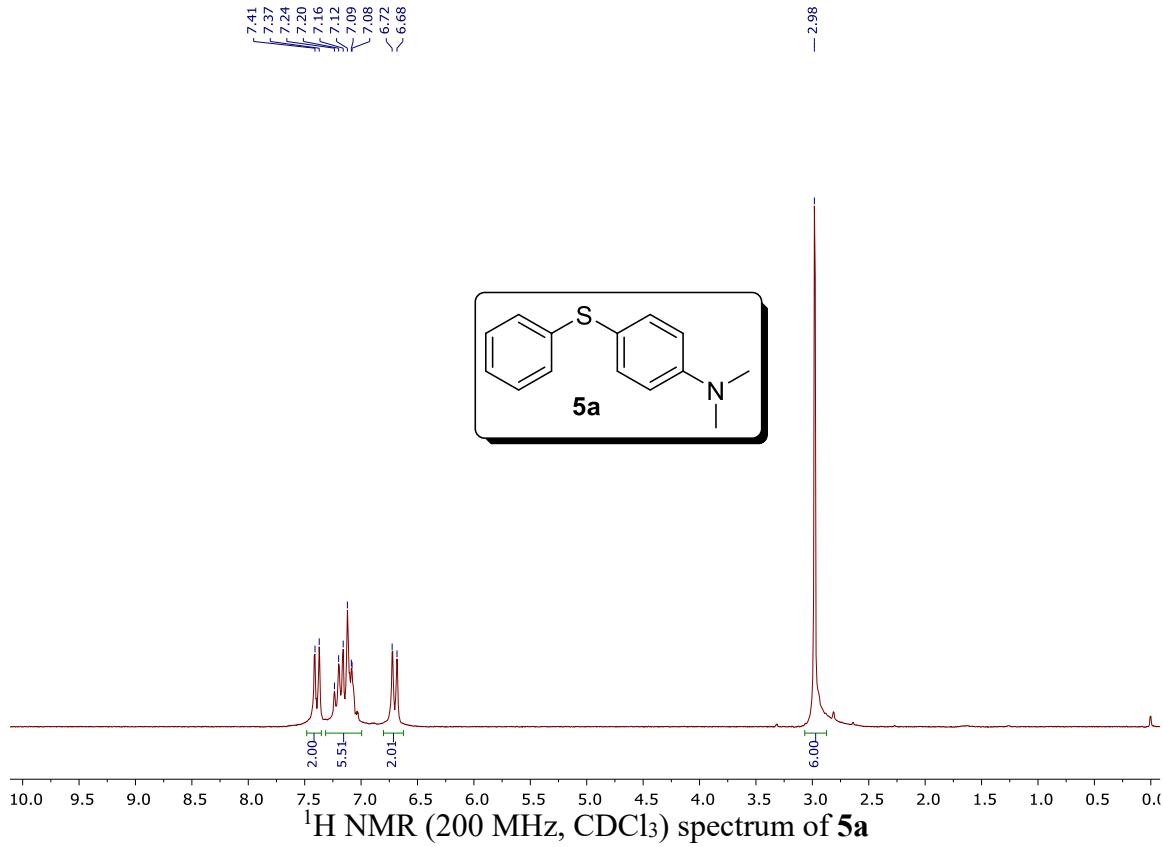


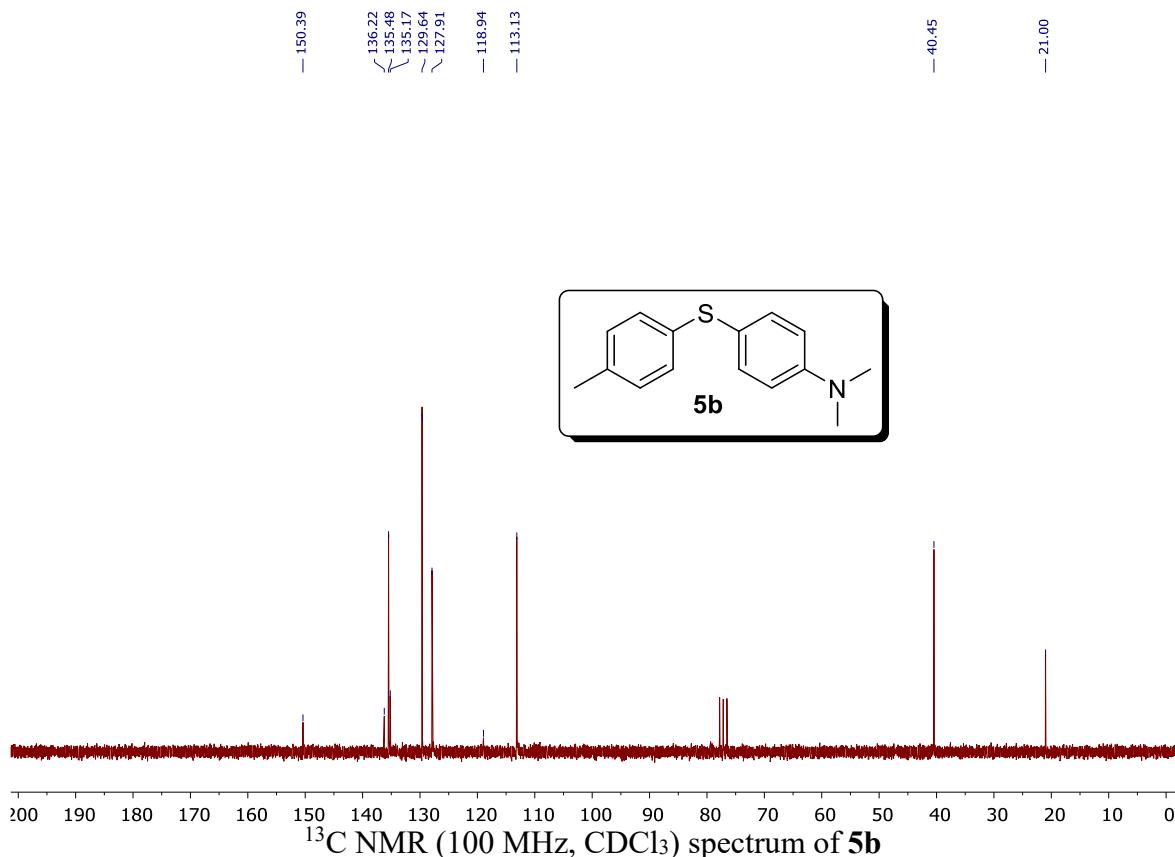
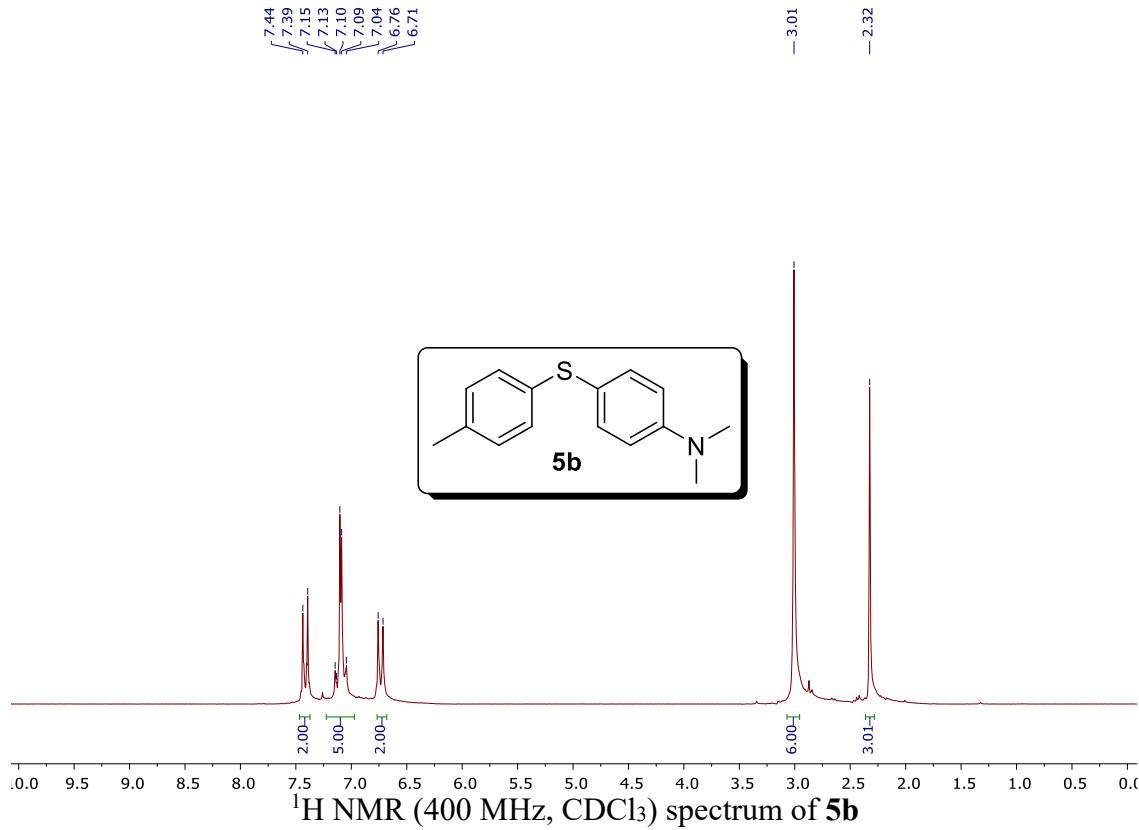


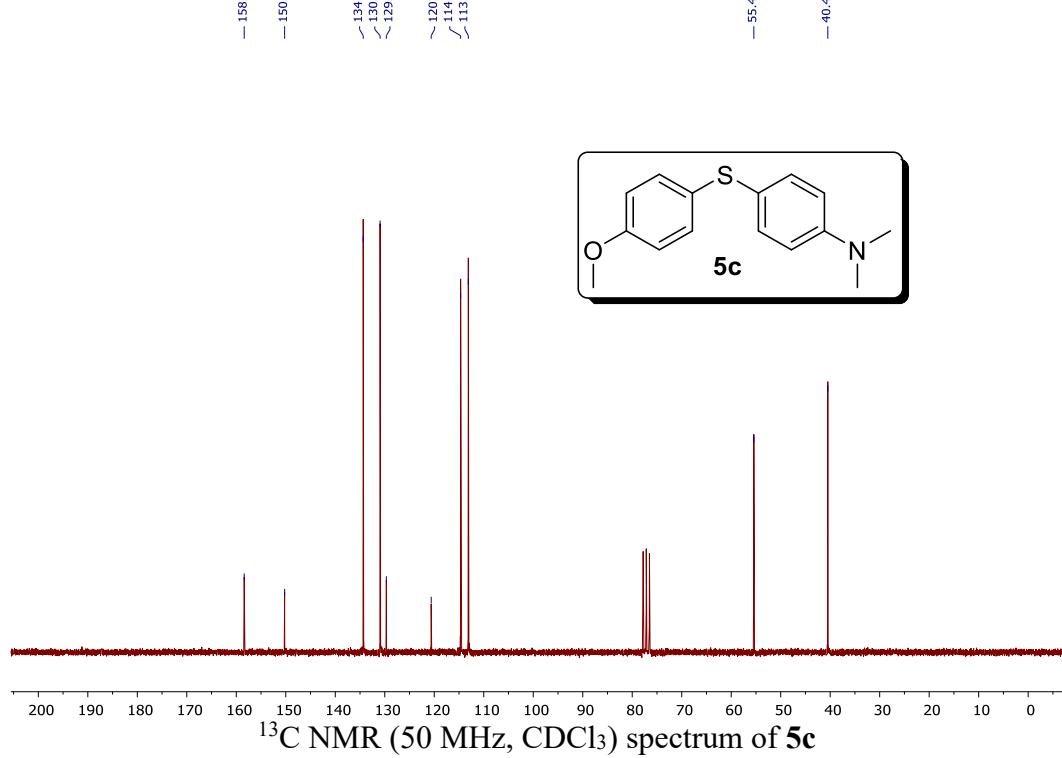
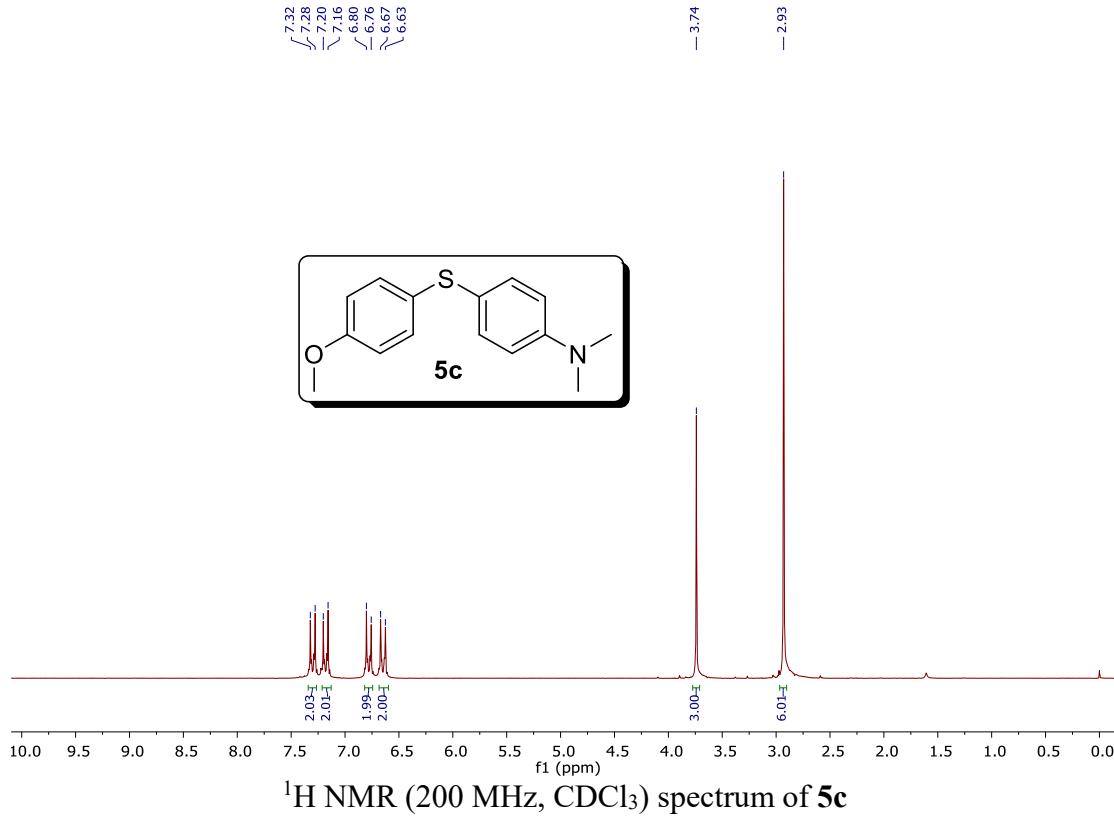


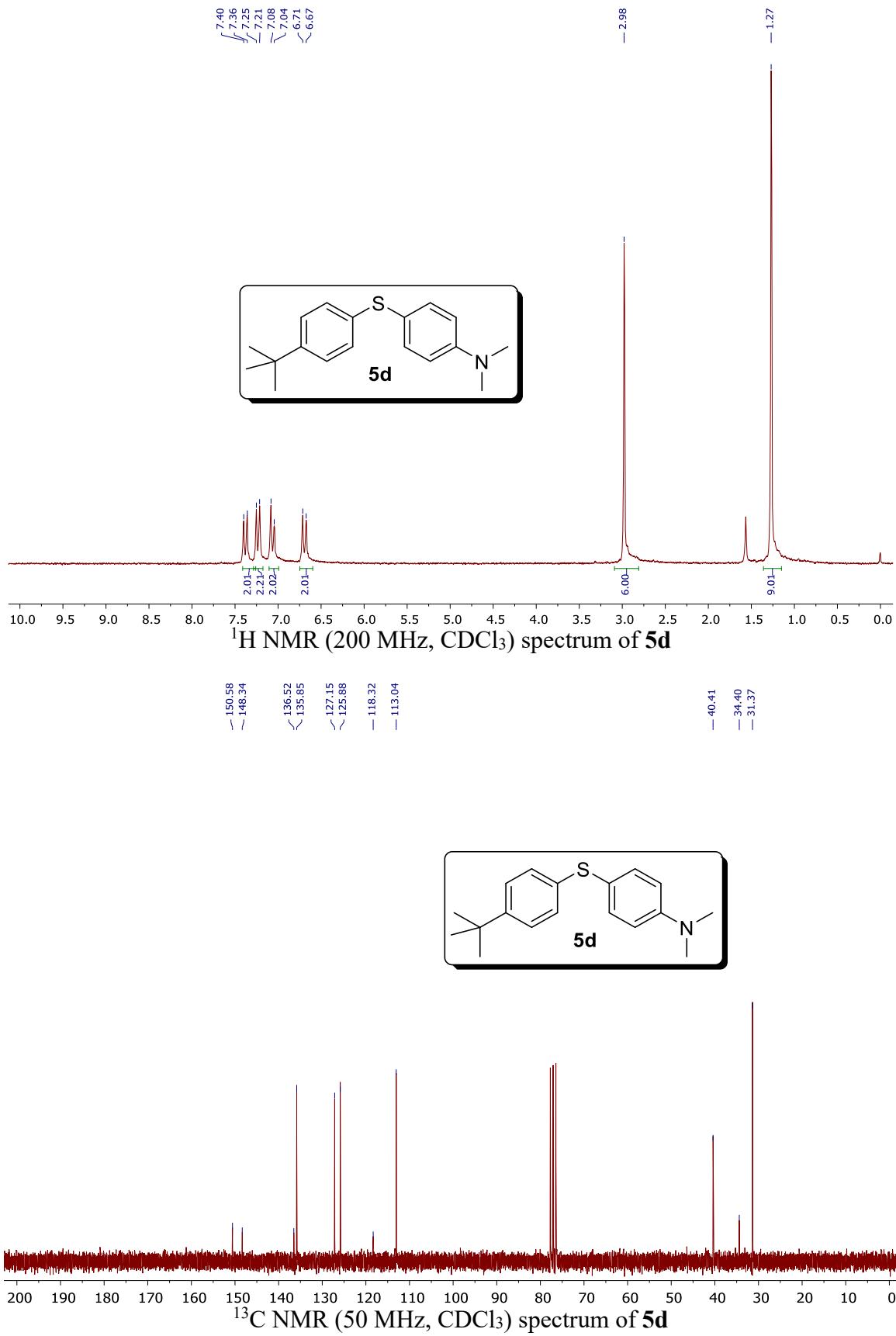


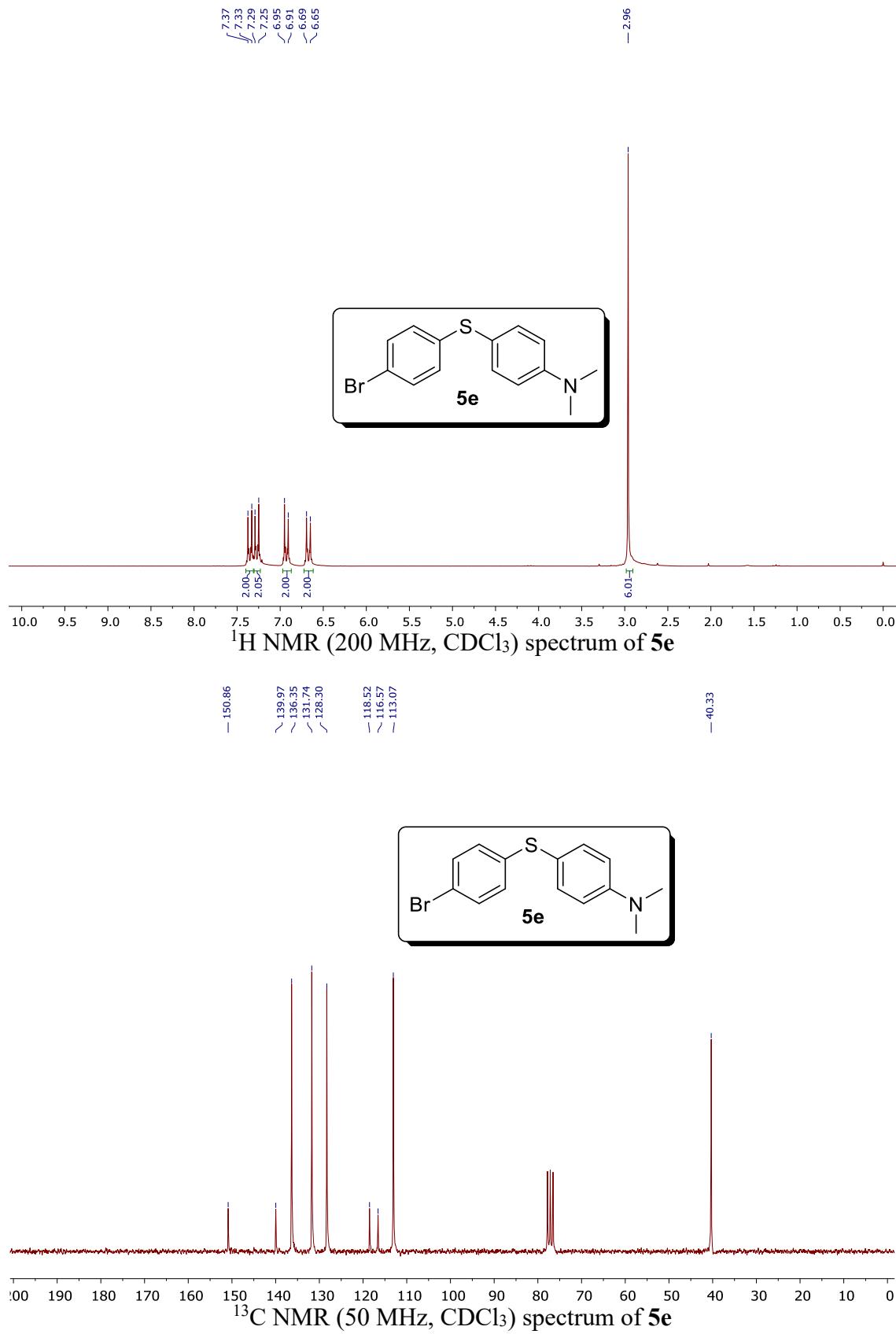


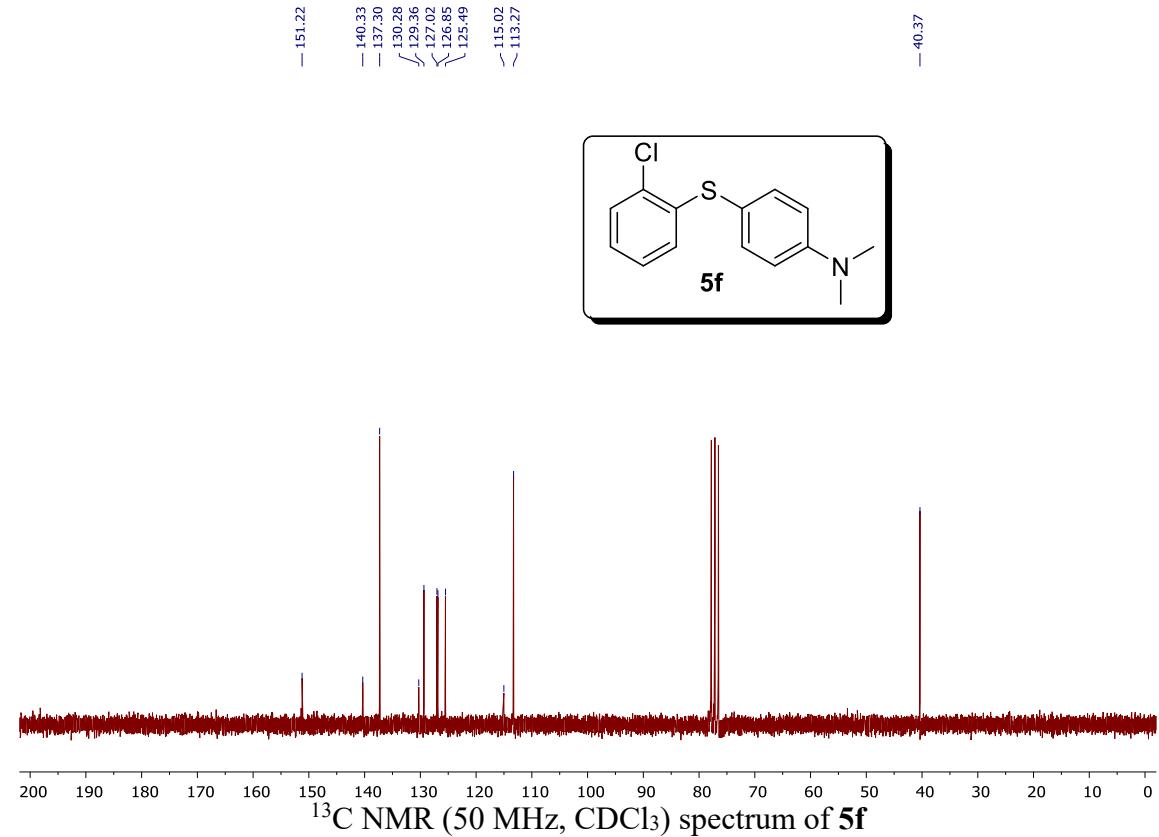
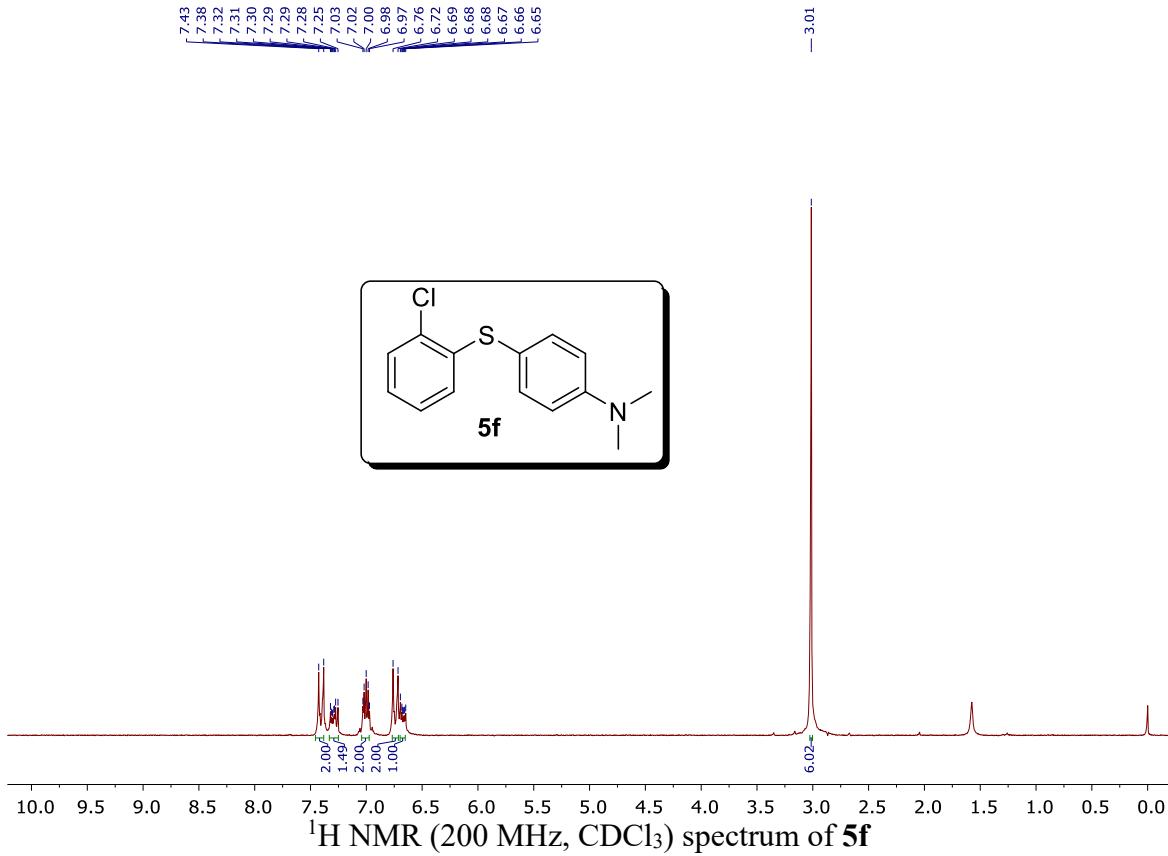


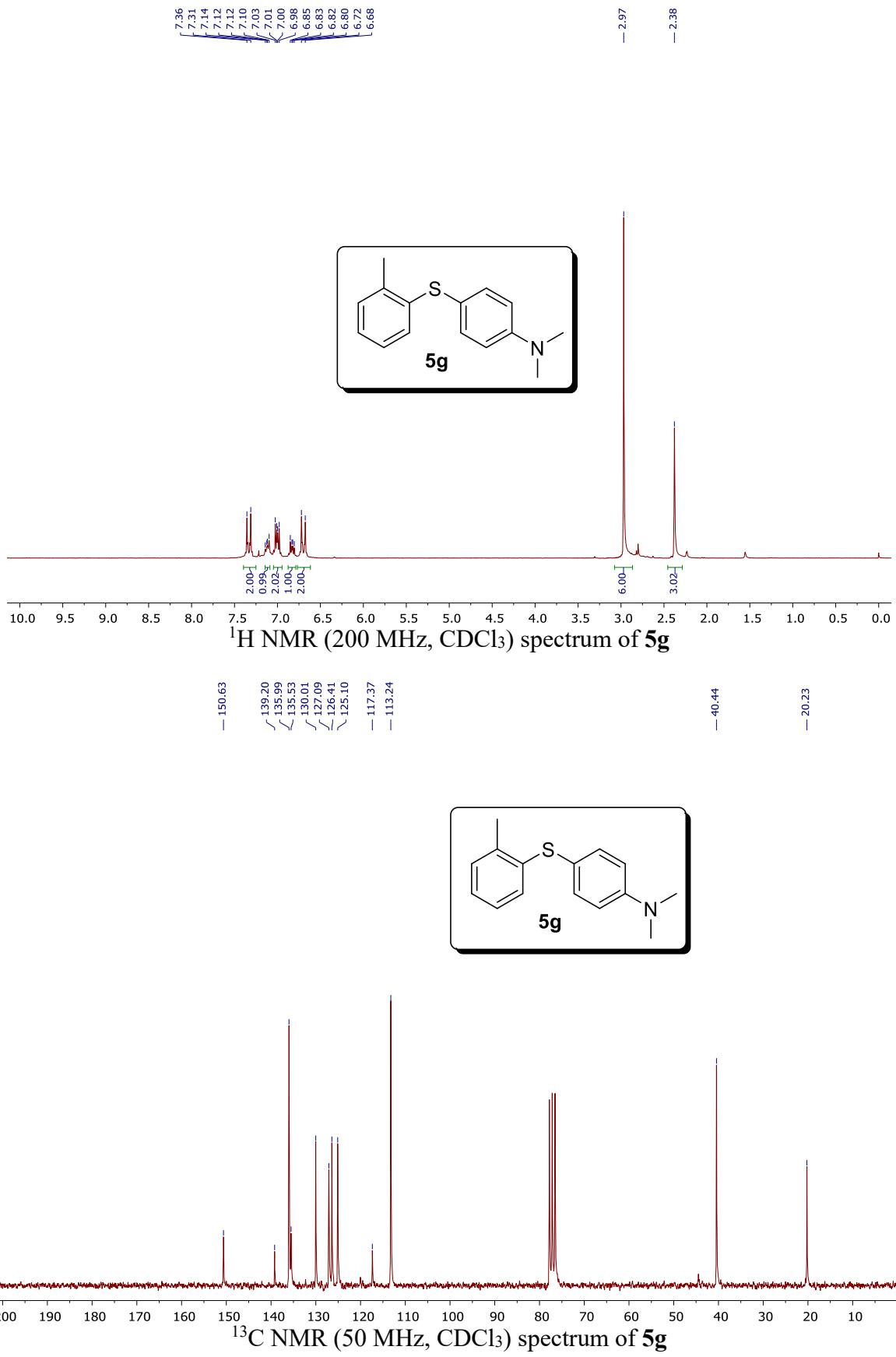


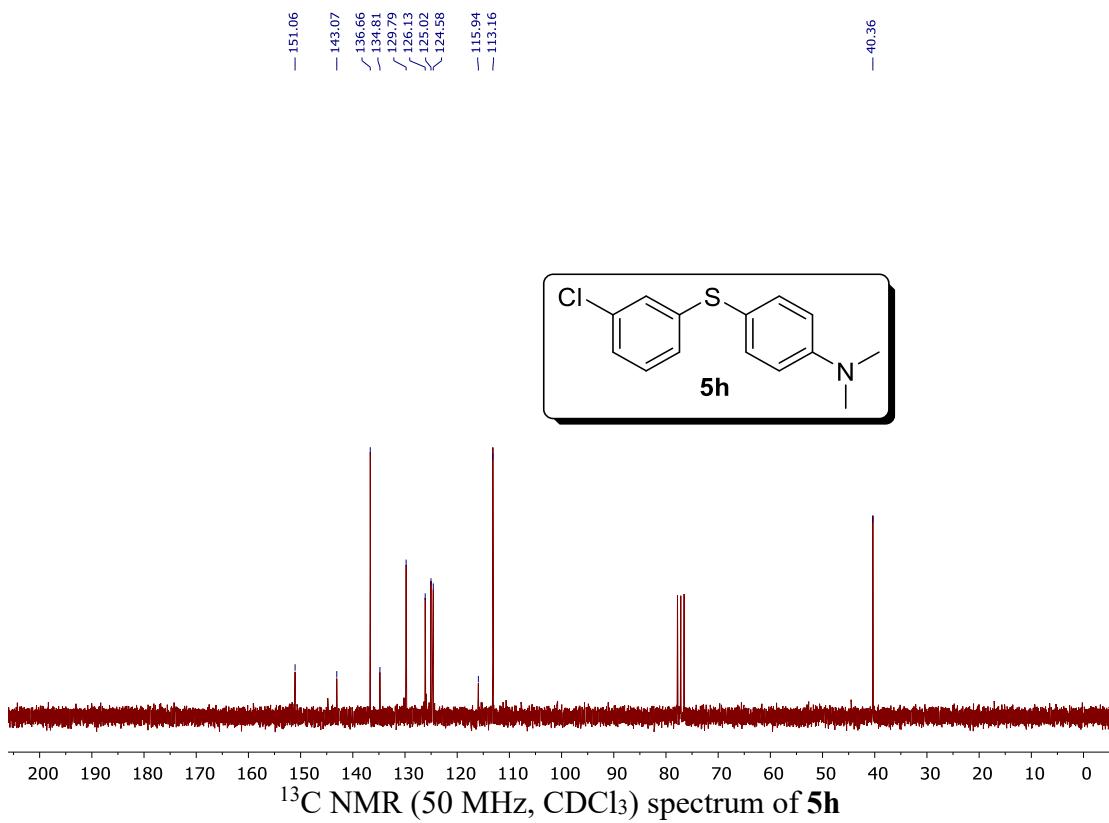
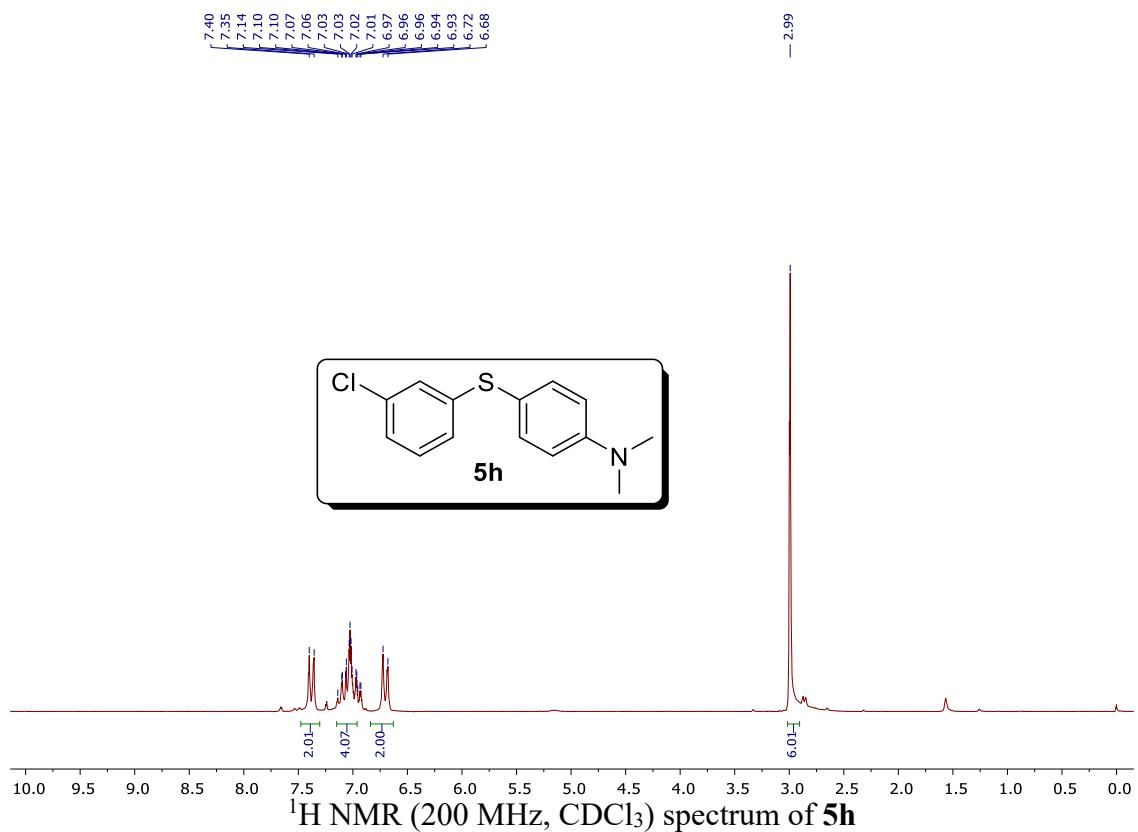


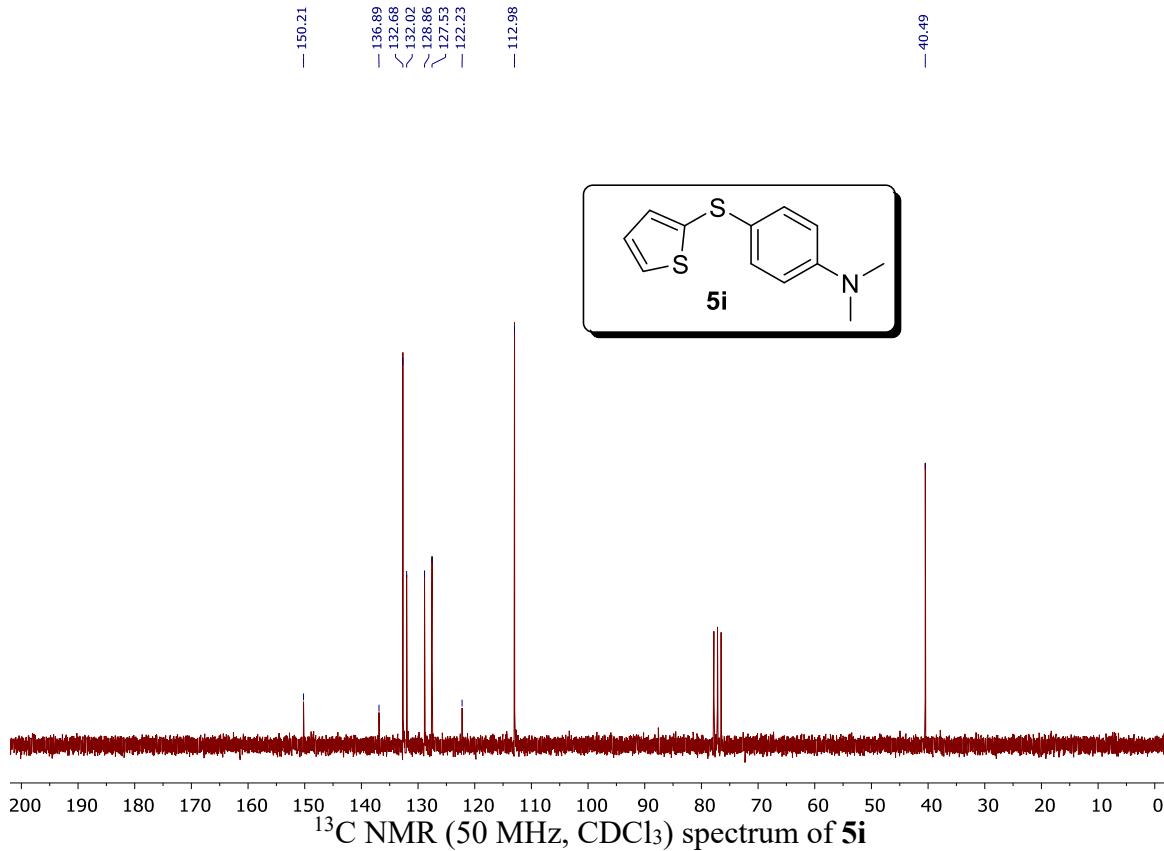
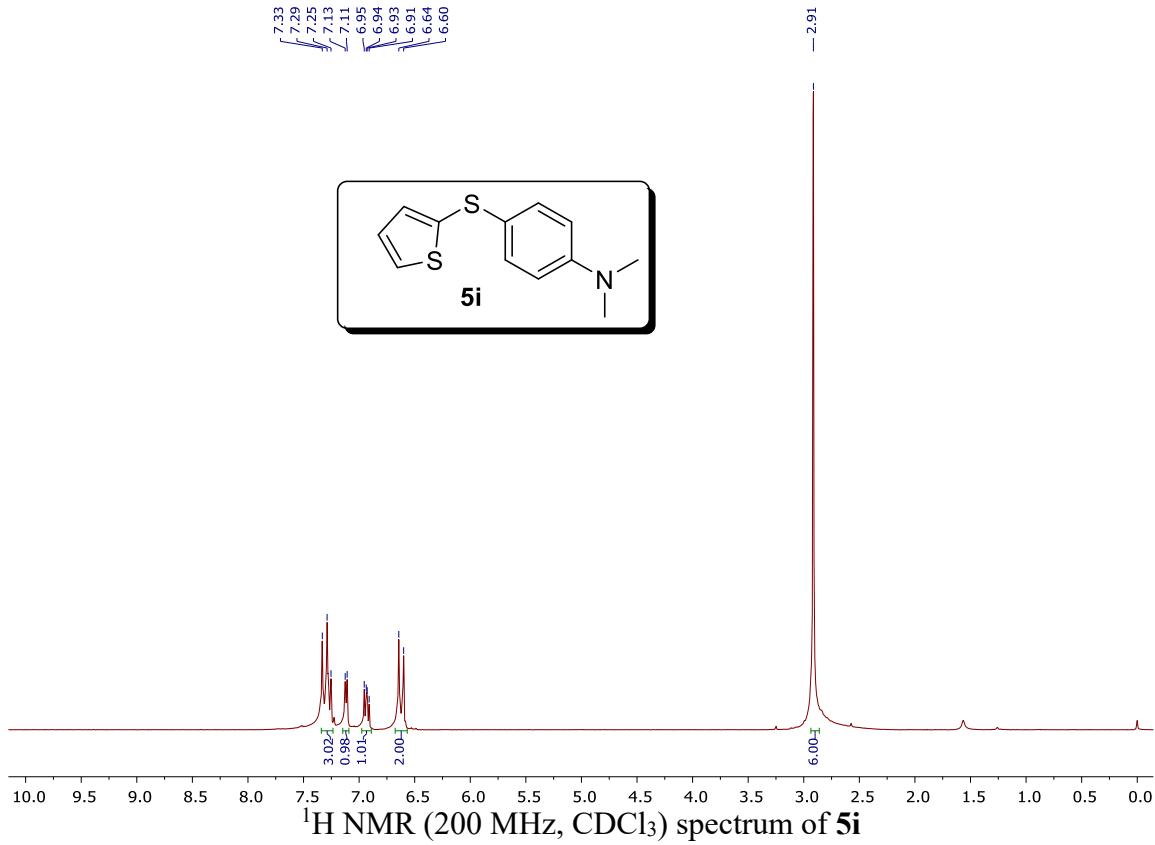


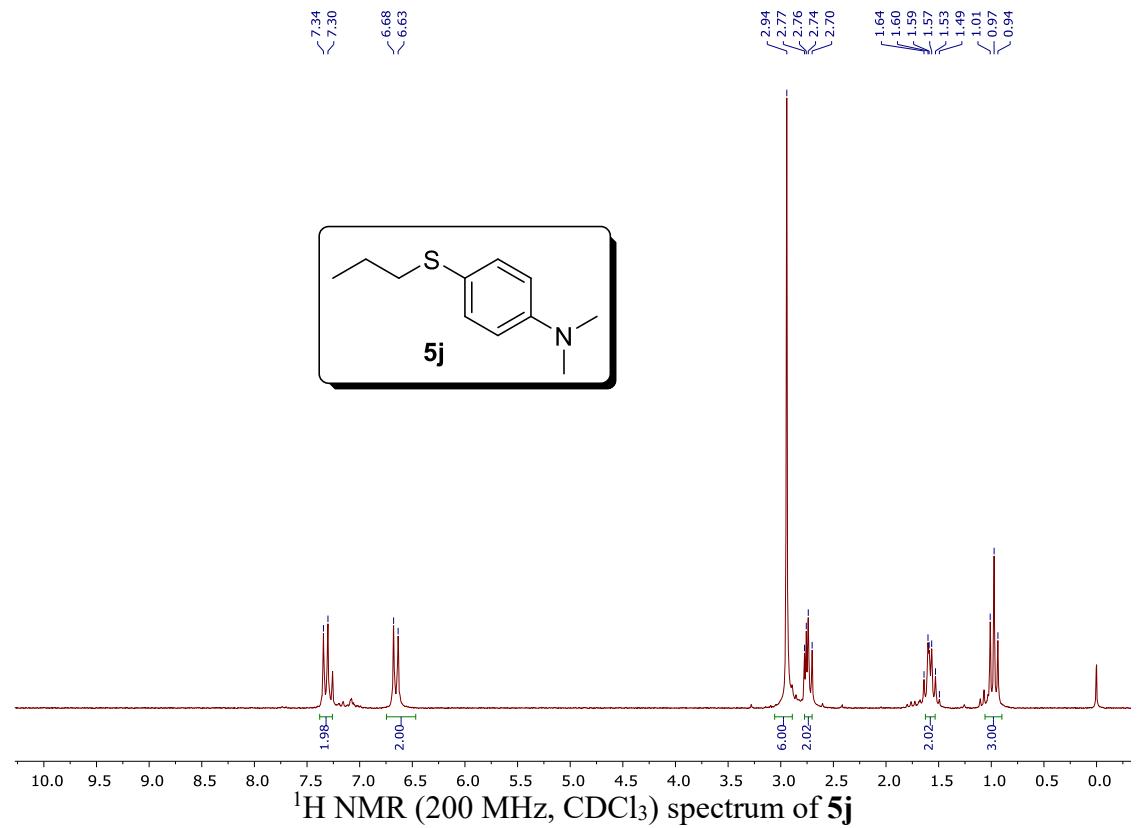












— 149.96 — 134.06 — 121.39 — 113.00 — 40.63
— 38.83 — 22.93 — 13.45

