

Supporting Information

Microwave Synthesis of Bis(cycloalkeno)-1,4-diselenins: Novel Source of Se for CdSe QDs

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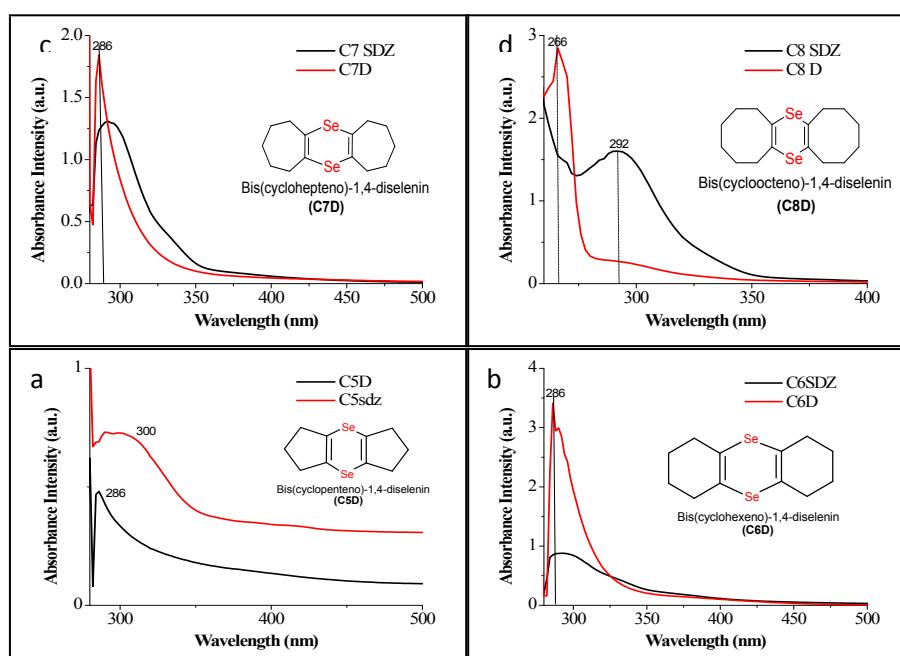


Figure SI. 1: UV-Visible spectra of (a) C5D, (b) C6D, (c) C7D and (d) C8D and their corresponding selendiazoles

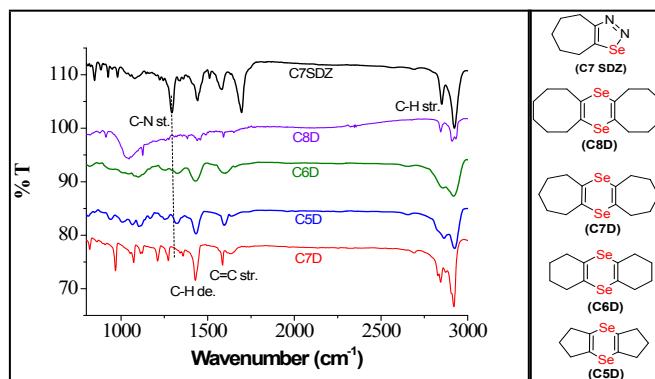


Figure S.I 2 : FTIR spectra of 1,4-diselenins (C5D-C8D) and C7SDZ

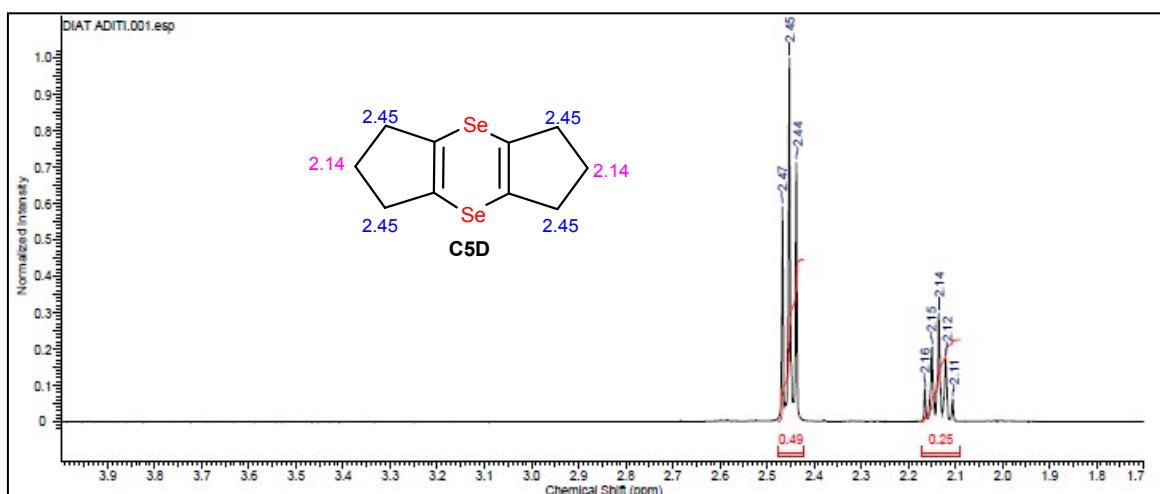


Figure SI 3: ¹H NMR spectrum of C5D

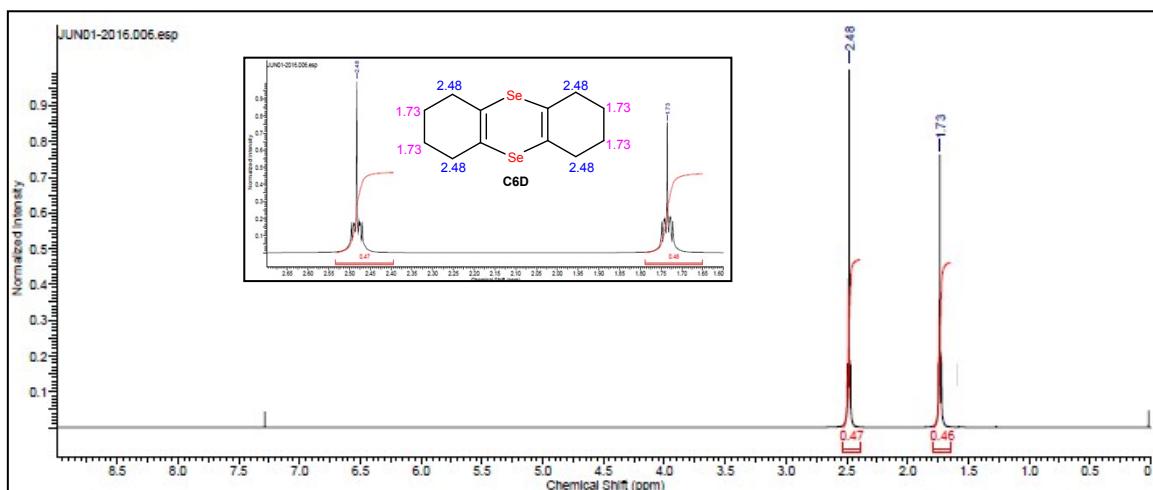


Figure SI 4: ¹H NMR spectrum of C6D

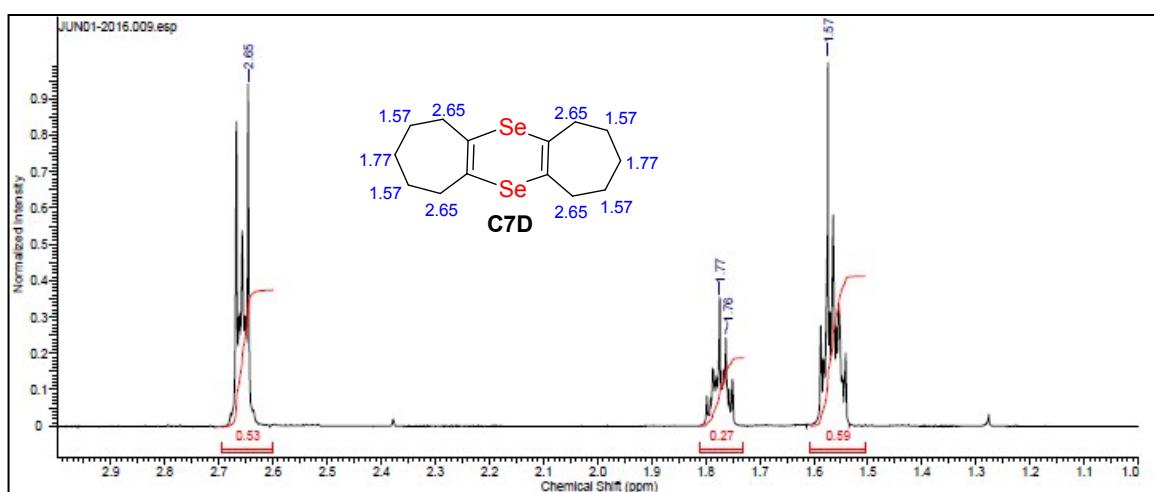


Figure SI 5: ¹H NMR spectrum of C7D

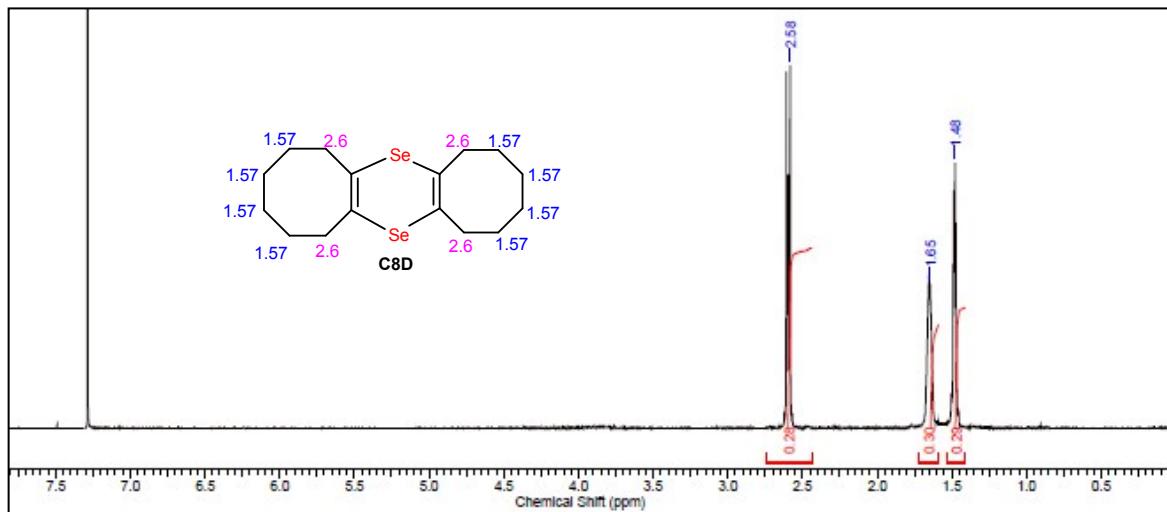


Figure SI 6: ^1H NMR spectrum of **C8D**

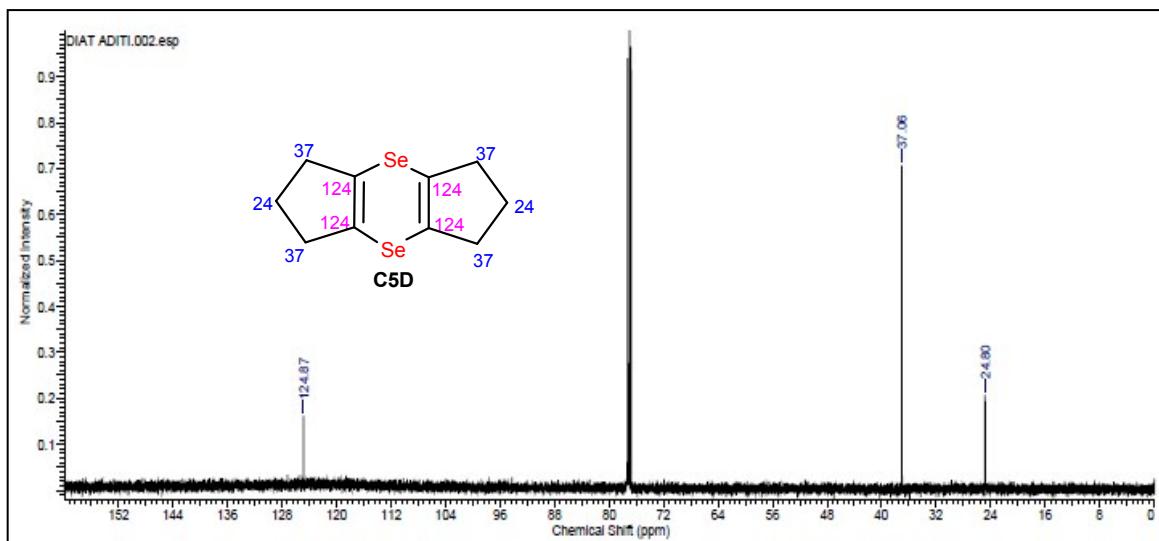


Figure SI 7: ^{13}C NMR spectrum of **C5D**

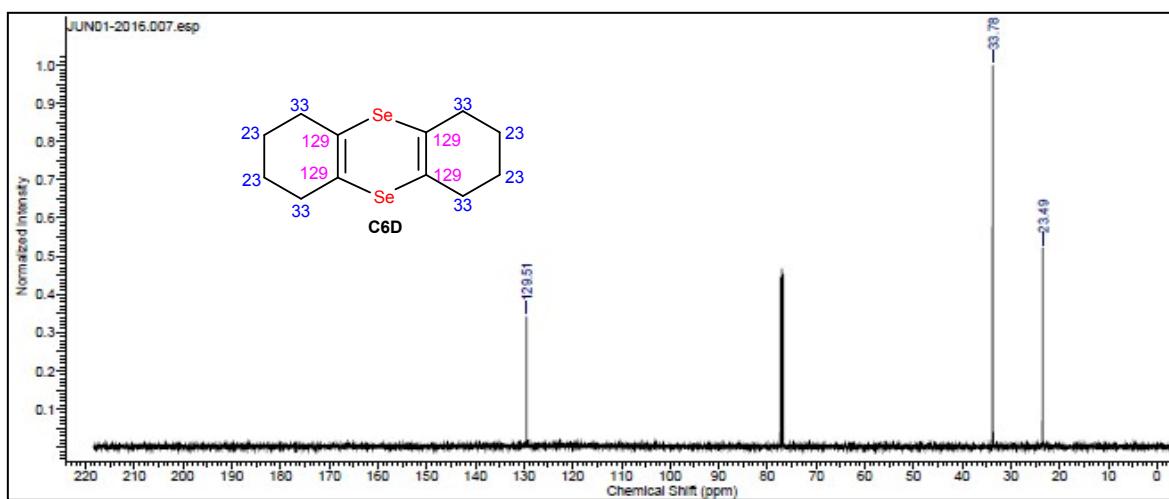


Figure SI 8: ^{13}C NMR spectrum of **C6D**

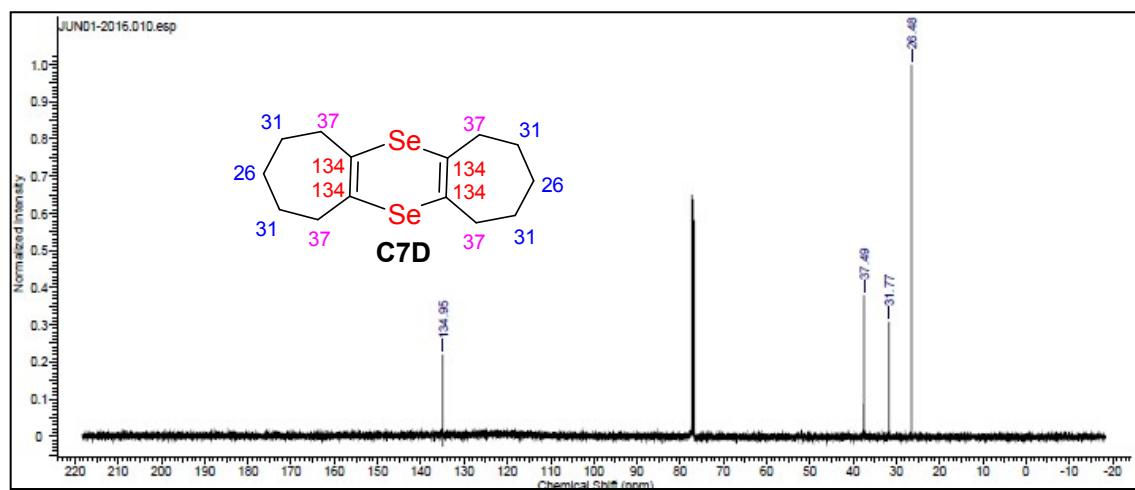


Figure SI 9: ^{13}C MR spectrum of C7D

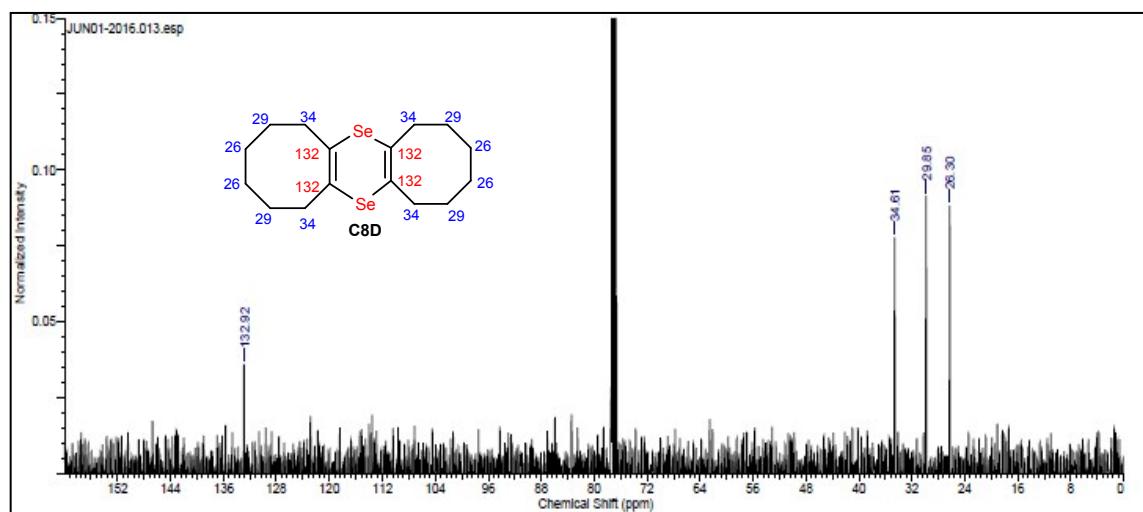


Figure SI 10: ^{13}C NMR spectrum of C8D

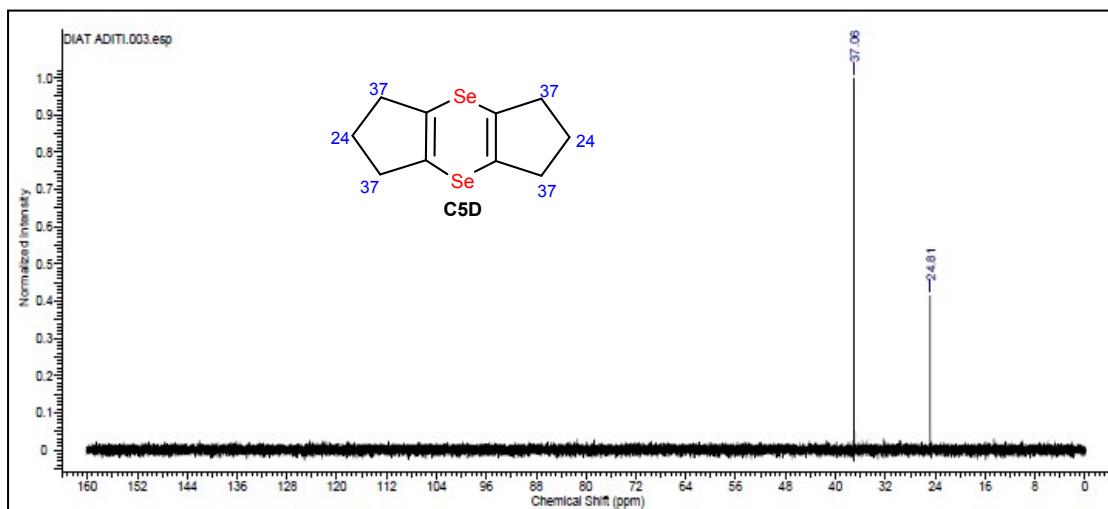


Figure SI 11: DEPT spectrum of C5D

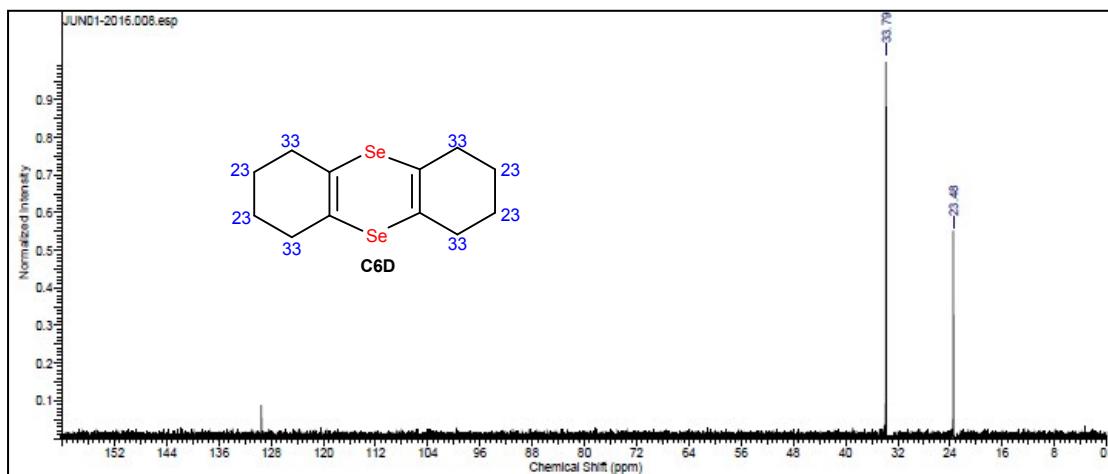


Figure SI 12: DEPT spectrum of C6D

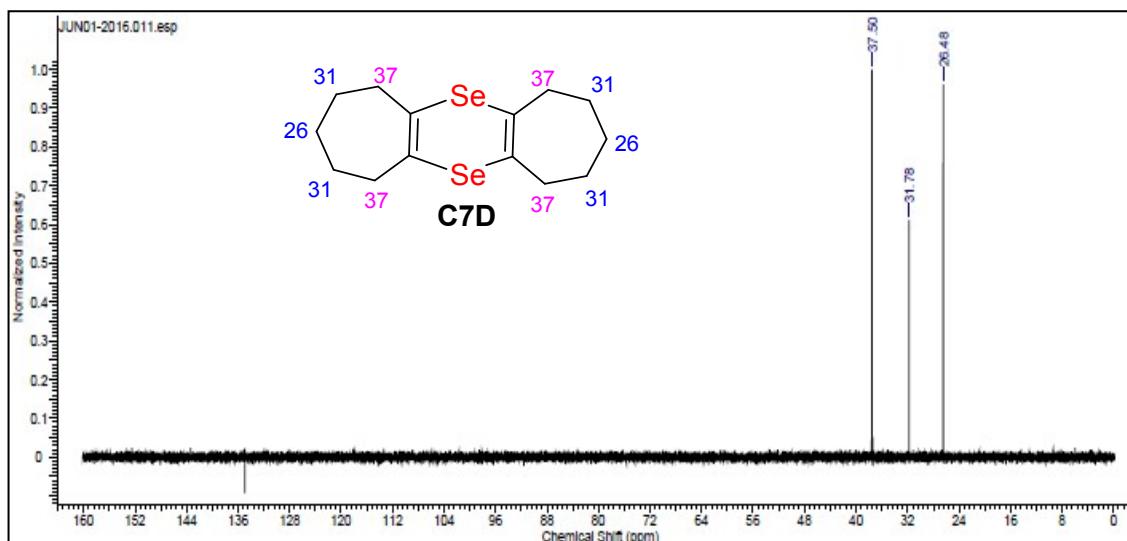


Figure SI 13: DEPT spectrum of C7D

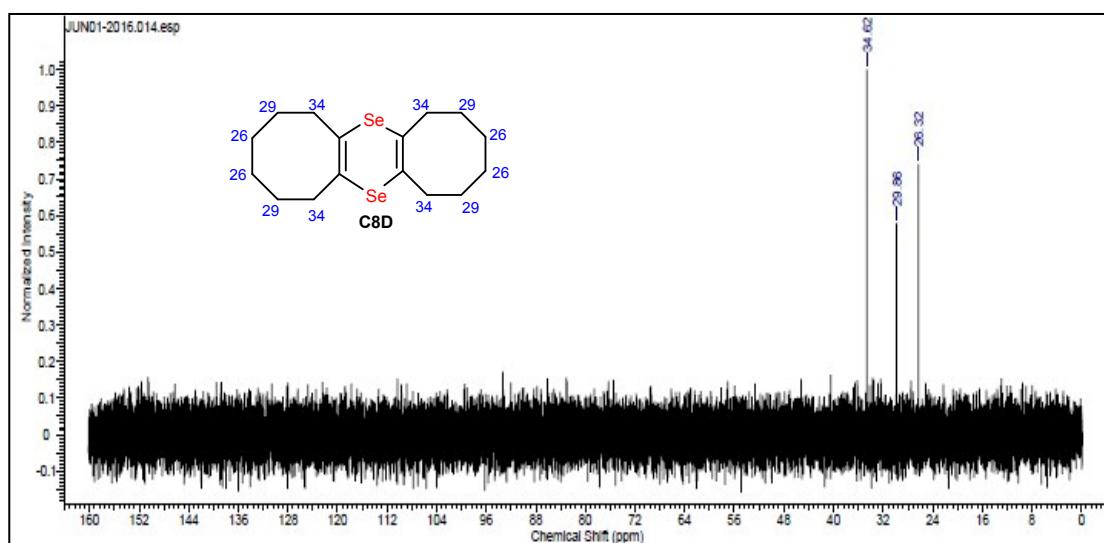


Figure SI 14: DEPT spectrum of **C8D**

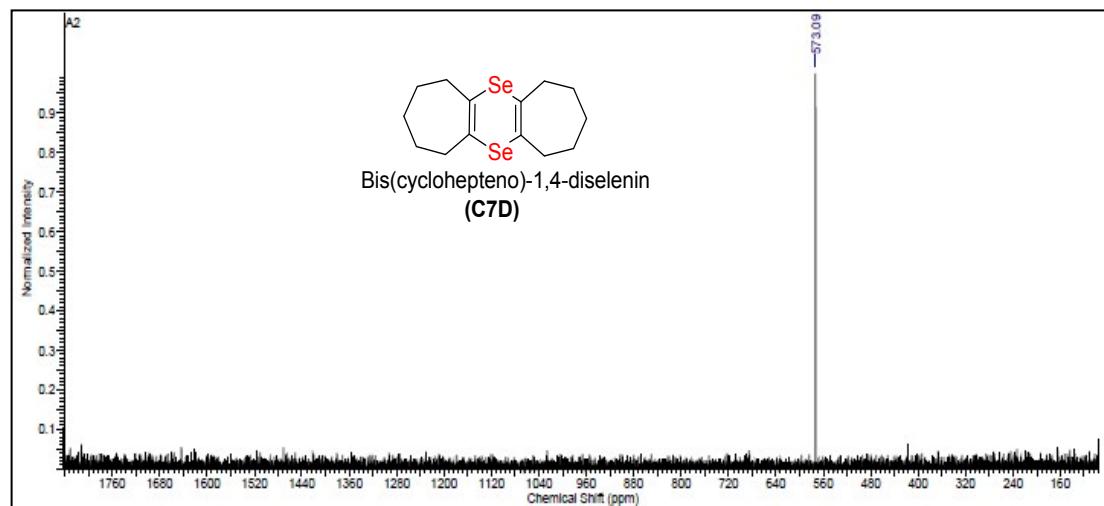


Figure SI 15: ^{77}Se NMR spectrum of **C7D**

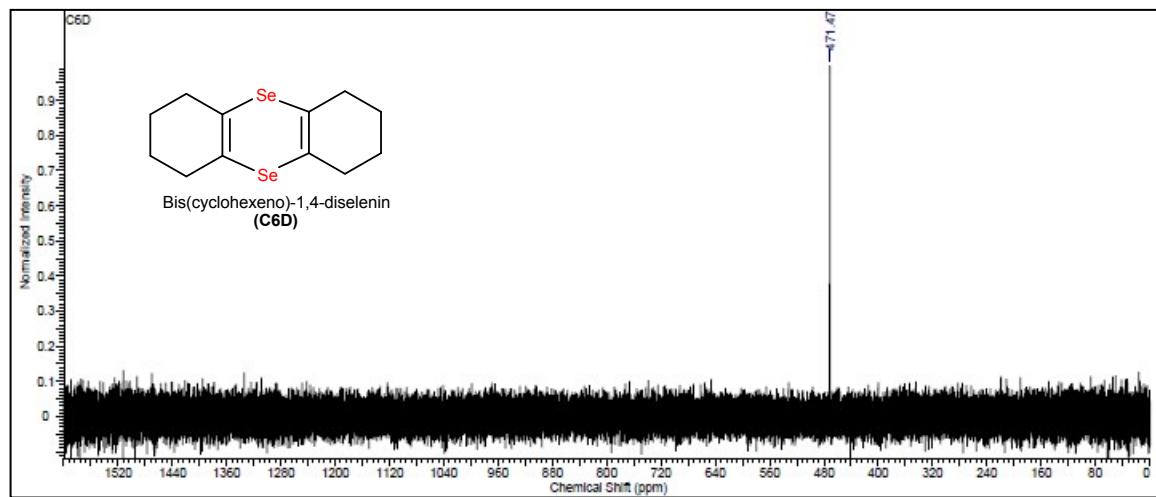


Figure SI 16: ^{77}Se spectrum of **C6D**

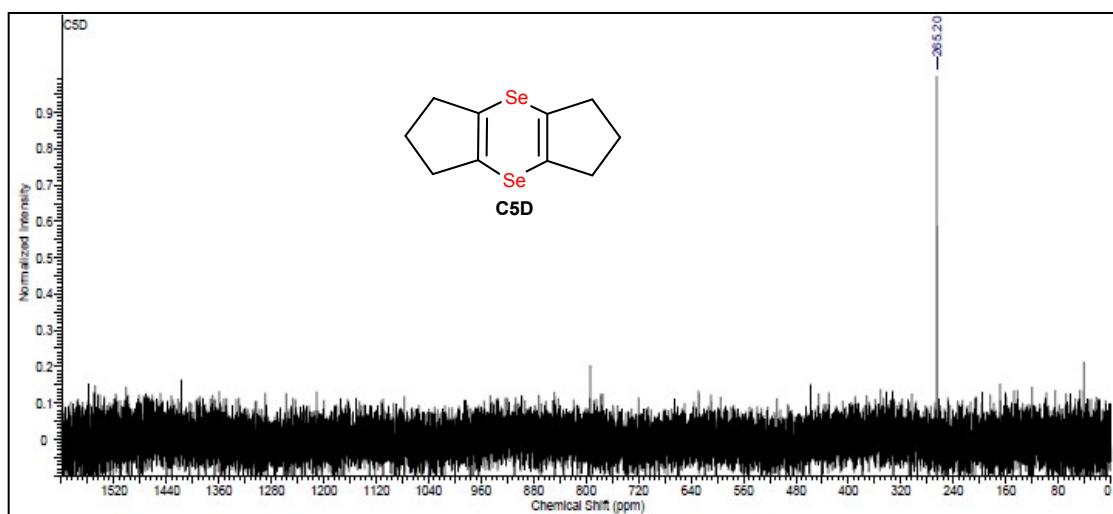


Figure SI 17: ^{77}Se spectrum of **C5D**

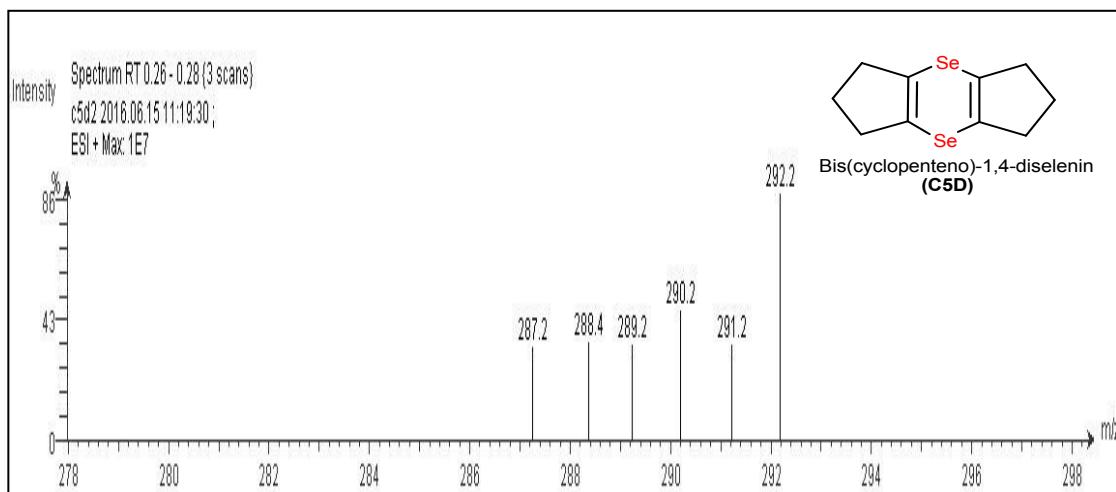


Figure SI 18: Mass spectrum of **C5D**

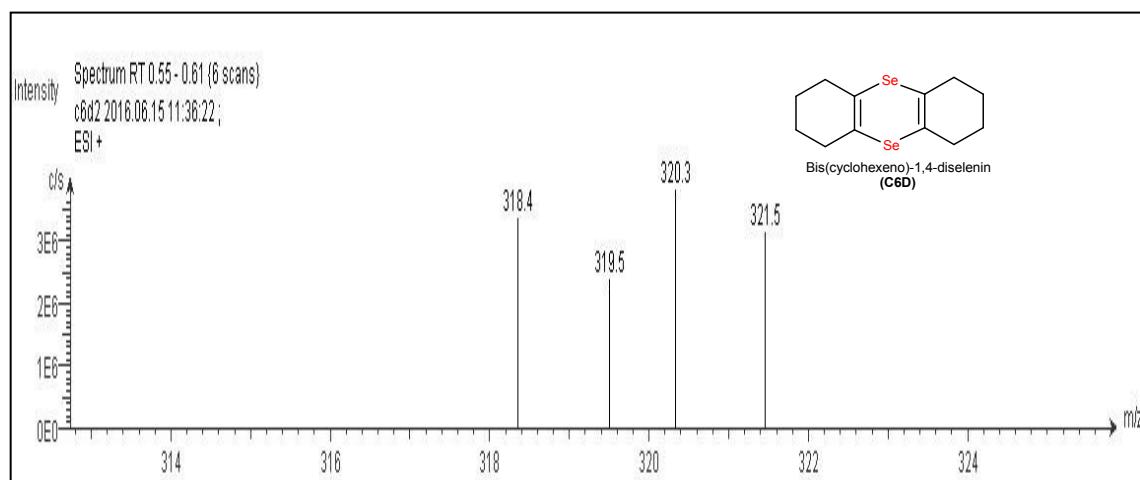


Figure SI 19: Mass spectrum of **C6D**

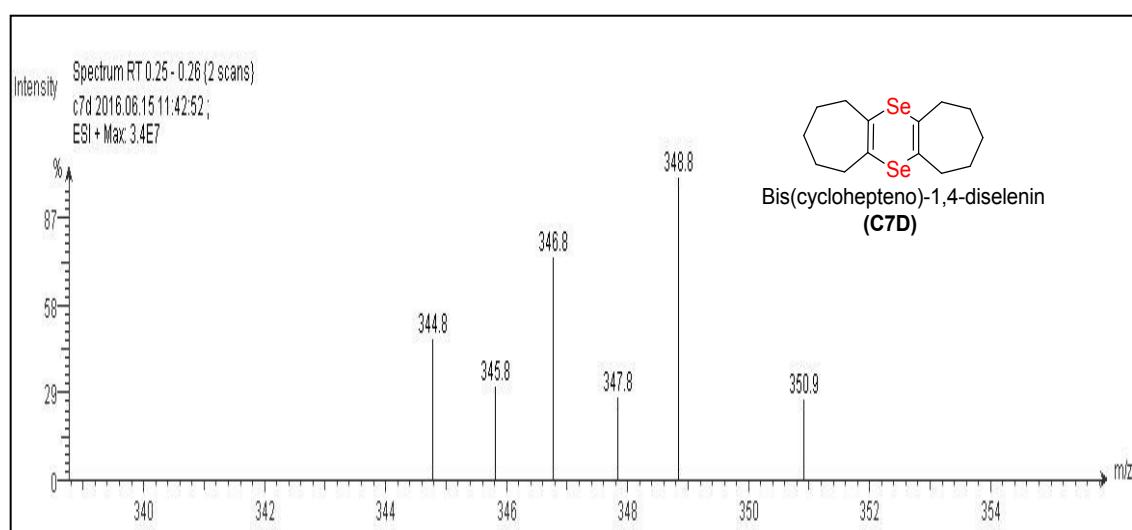


Figure SI 20: Mass spectrum of **C7D**

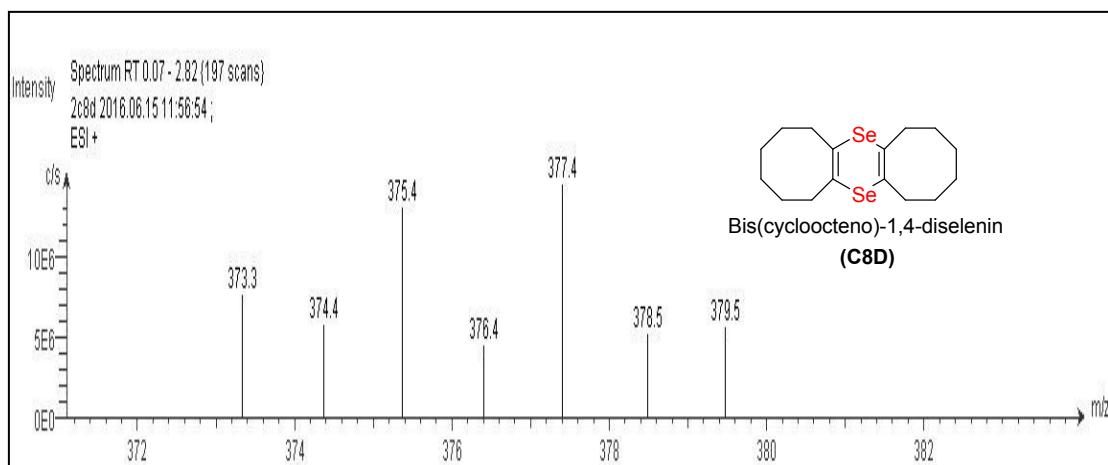


Figure SI 21: Mass spectrum of **C8D**

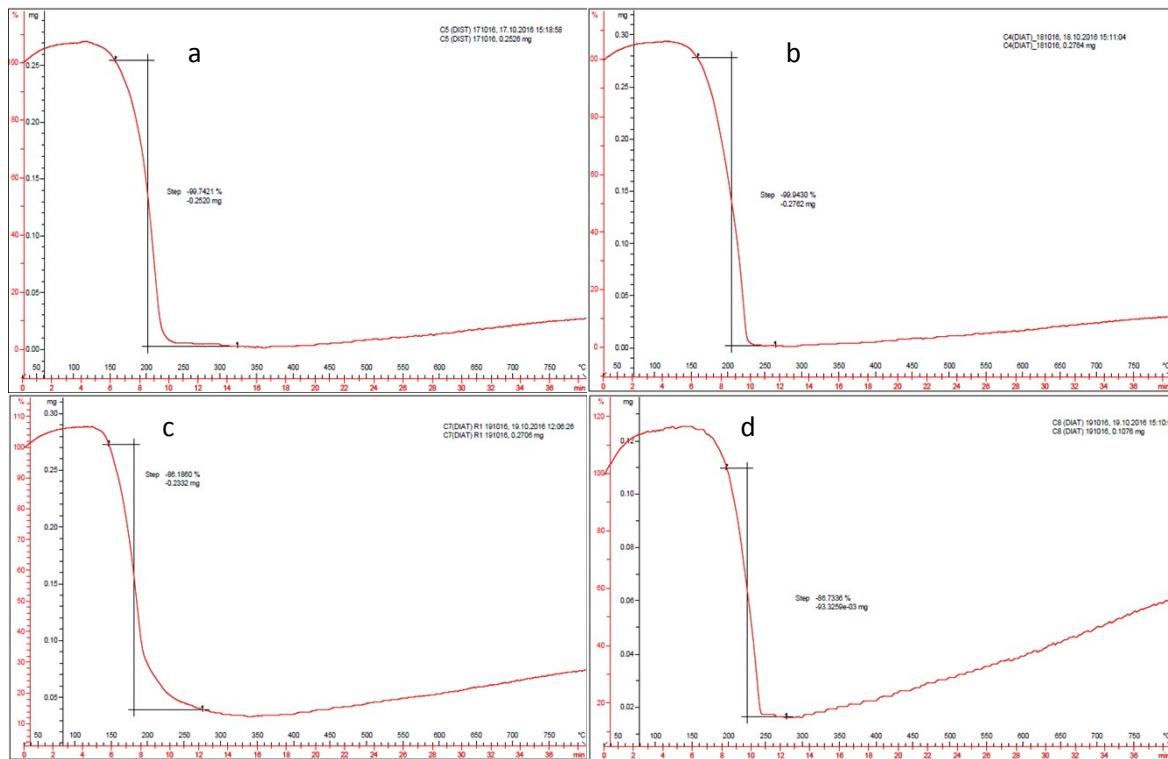


Figure SI 22: TGA spectra of (a) C5D, (b) C6D, (c) C7D and (d) C8D.