

Supporting Information

Do GluN2B subunit containing NMDA receptors tolerate a fluorine atom in the phenylalkyl side chain?

Yoshihiro Shuto,^{a#} Simone Thum,^{b#} Louisa Temme,^b Dirk Schepmann,^b Masato Kitamura,^a Bernhard Wünsch^{*b,c}

both authors contributed equally.

^a Graduate School of Pharmaceutical Sciences, Nagoya University Chikusa, Nagoya 464-8602, Japan

^b Institut für Pharmazeutische und Medizinische Chemie der Universität Münster, Corrensstraße 48, D-48149 Münster, Germany

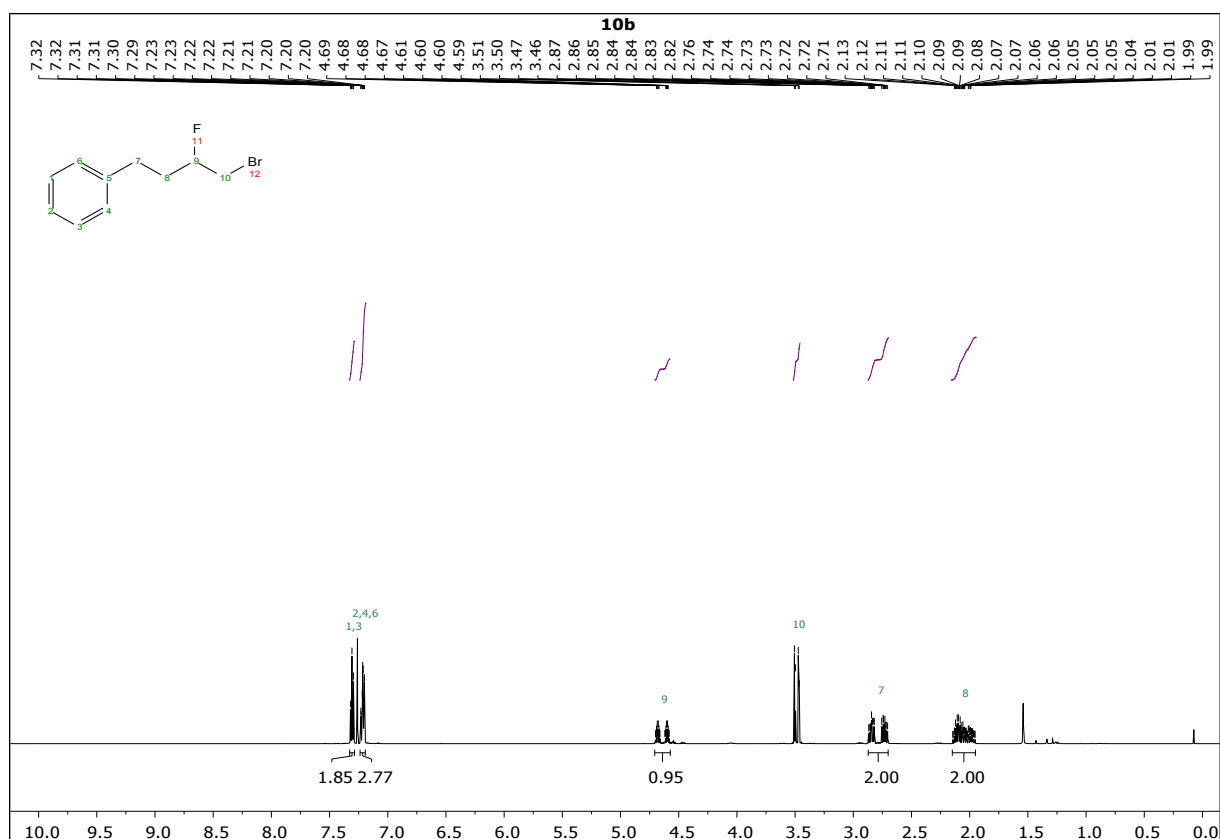
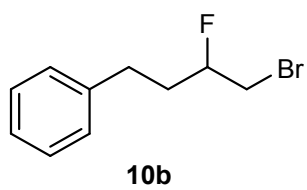
Tel.: +49-251-8333311; Fax: +49-251-8332144; E-mail: wuensch@uni-muenster.de

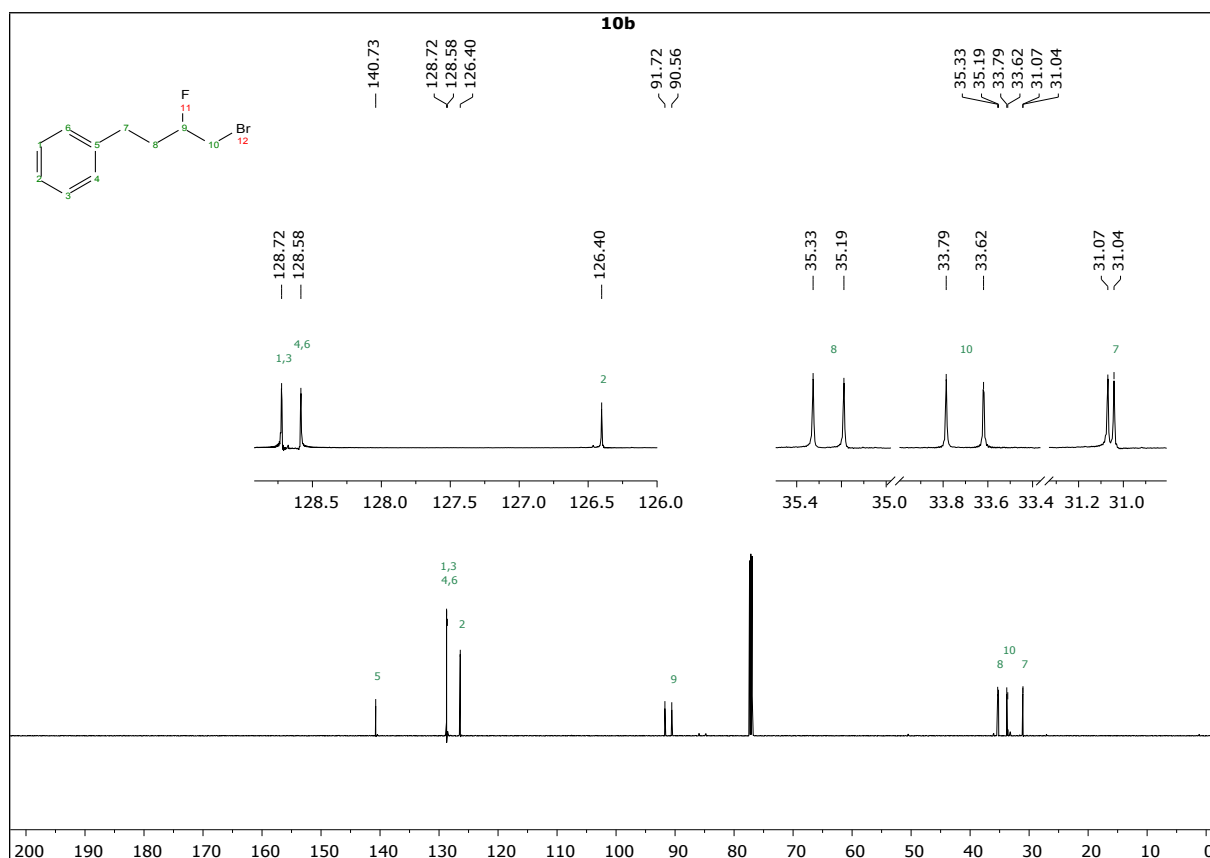
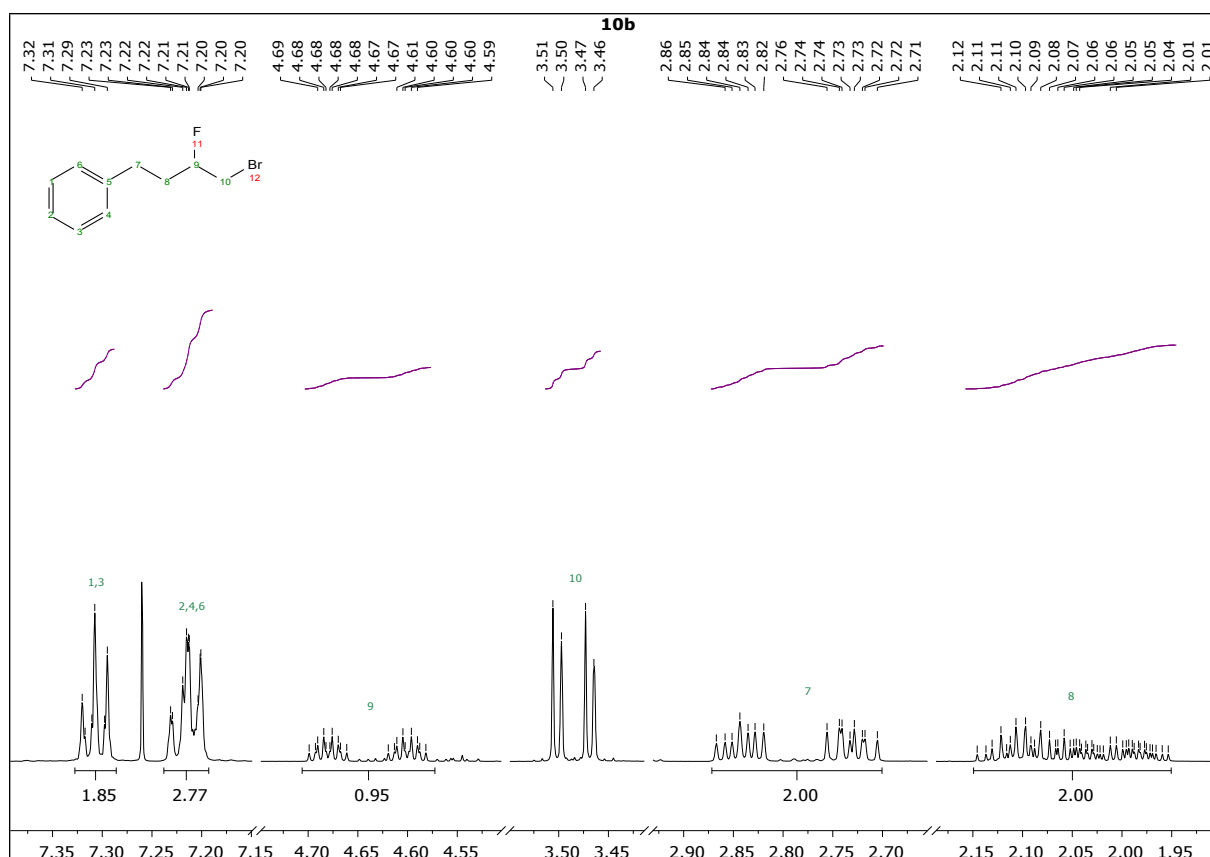
^c Cells-in-Motion Cluster of Excellence (EXC 1003 – CiM), Westfälische Wilhelms-Universität Münster, Germany

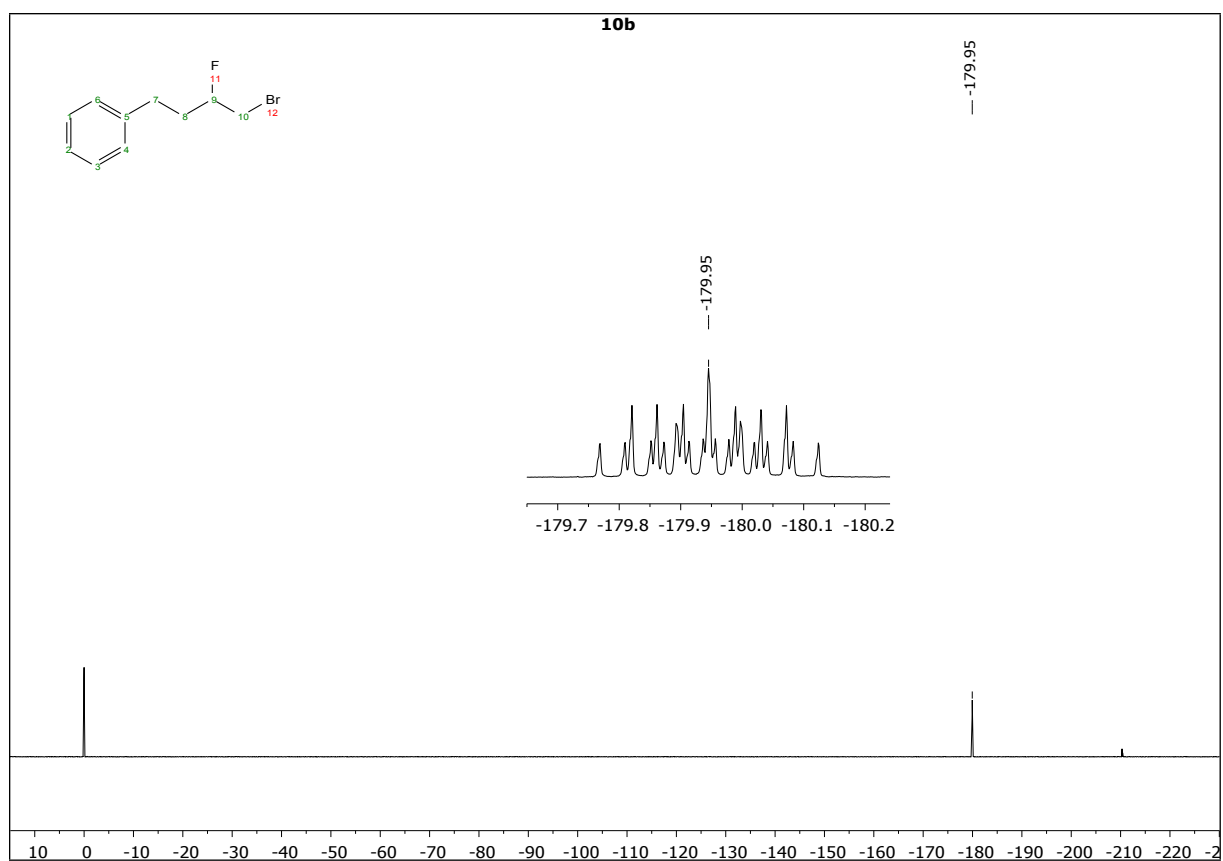
Contents

¹ H, ¹³ C and ¹⁹ F NMR spectra of the compound 10b	S2
¹ H, ¹³ C and ¹⁹ F NMR spectra of the compound 13b	S5
¹ H, ¹³ C and ¹⁹ F NMR spectra of the compound 14b	S8
¹ H, ¹³ C and ¹⁹ F NMR spectra of the test compound 5a	S11
¹ H, ¹³ C and ¹⁹ F NMR spectra of the test compound 5b	S14

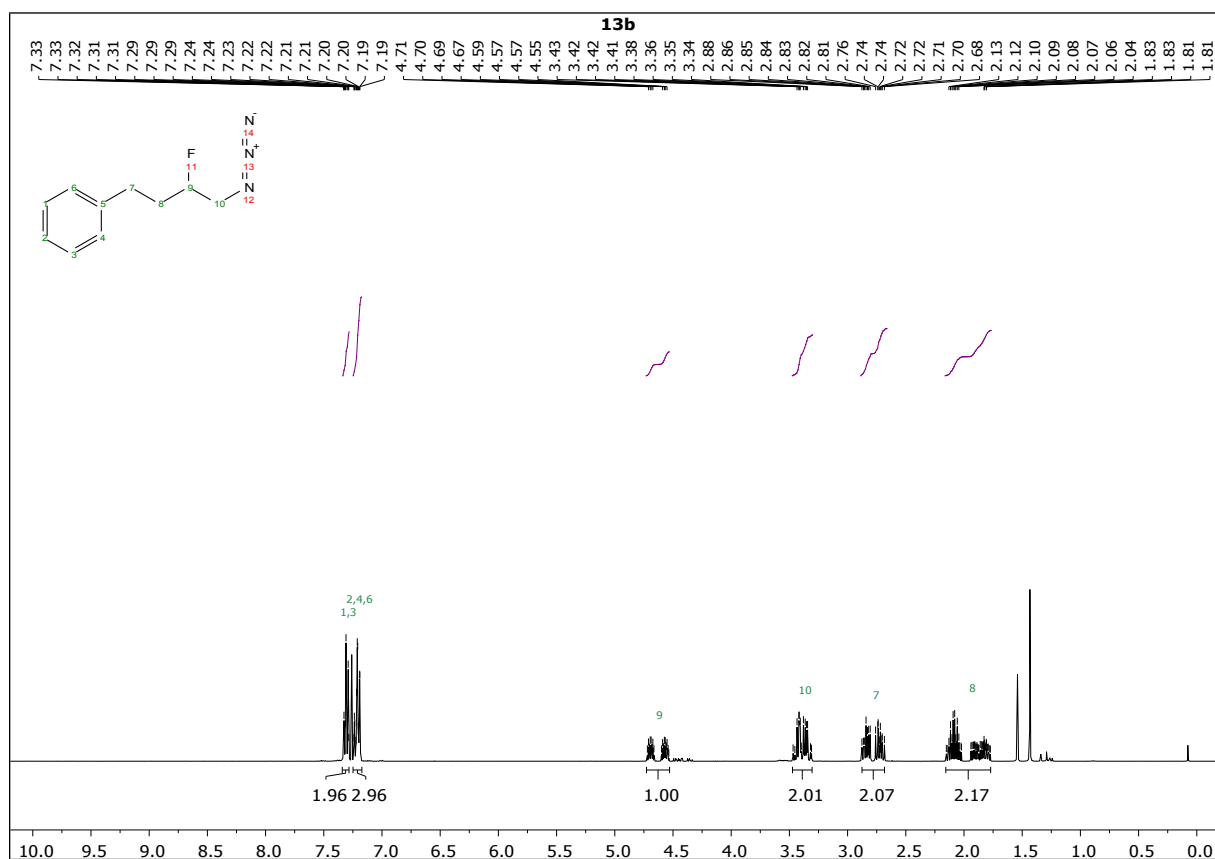
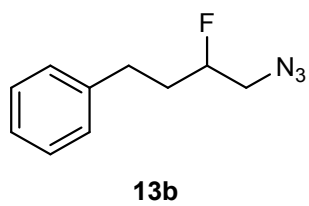
^1H , ^{13}C and ^{19}F NMR spectra of the compound **10b**.

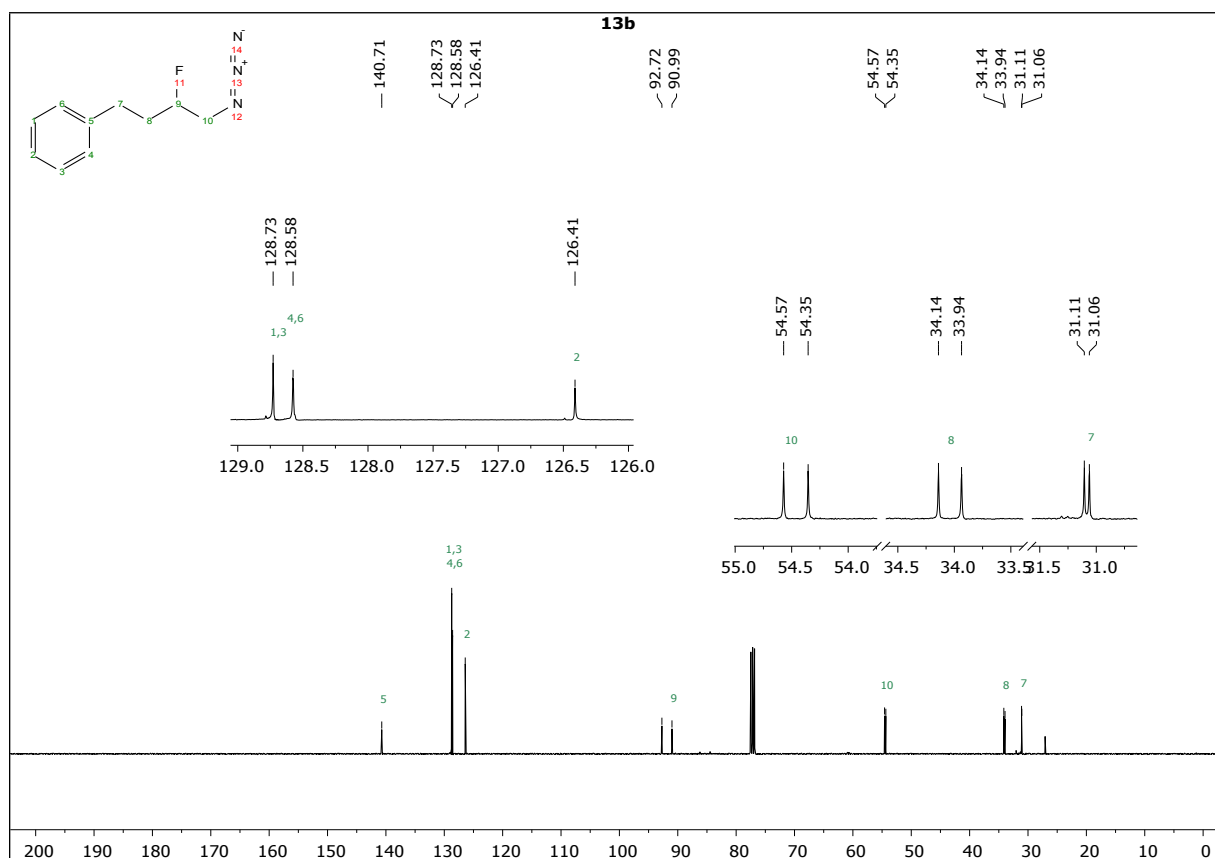
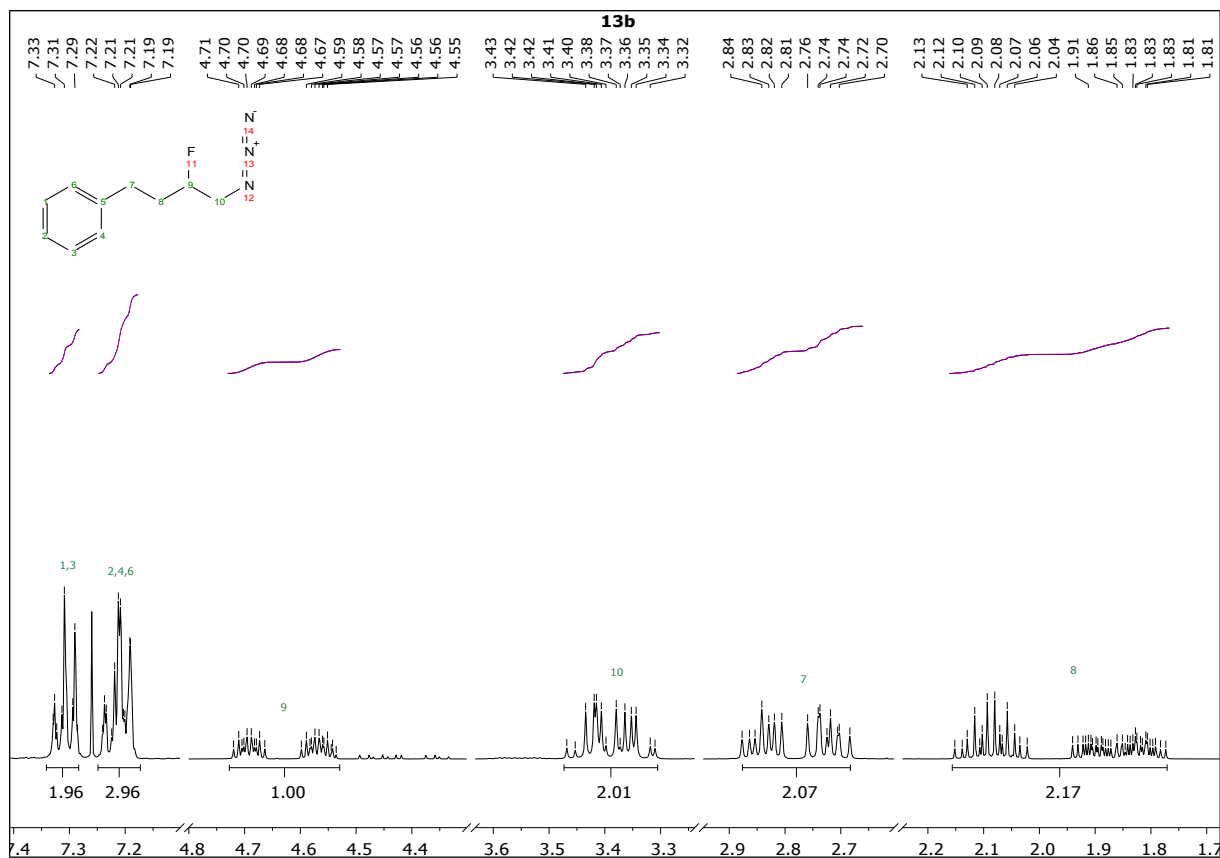


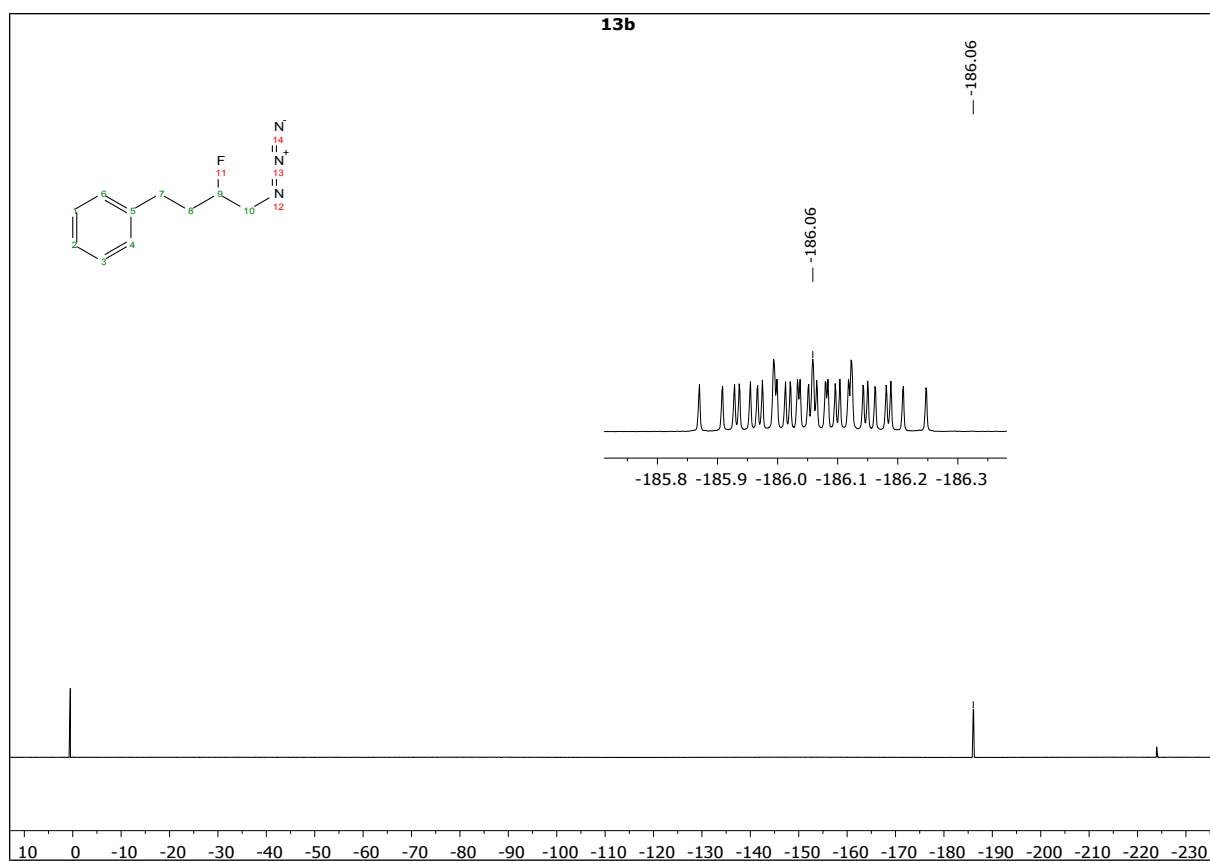




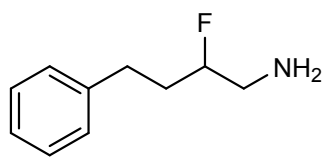
^1H , ^{13}C and ^{19}F NMR spectra of the compound **13b**.



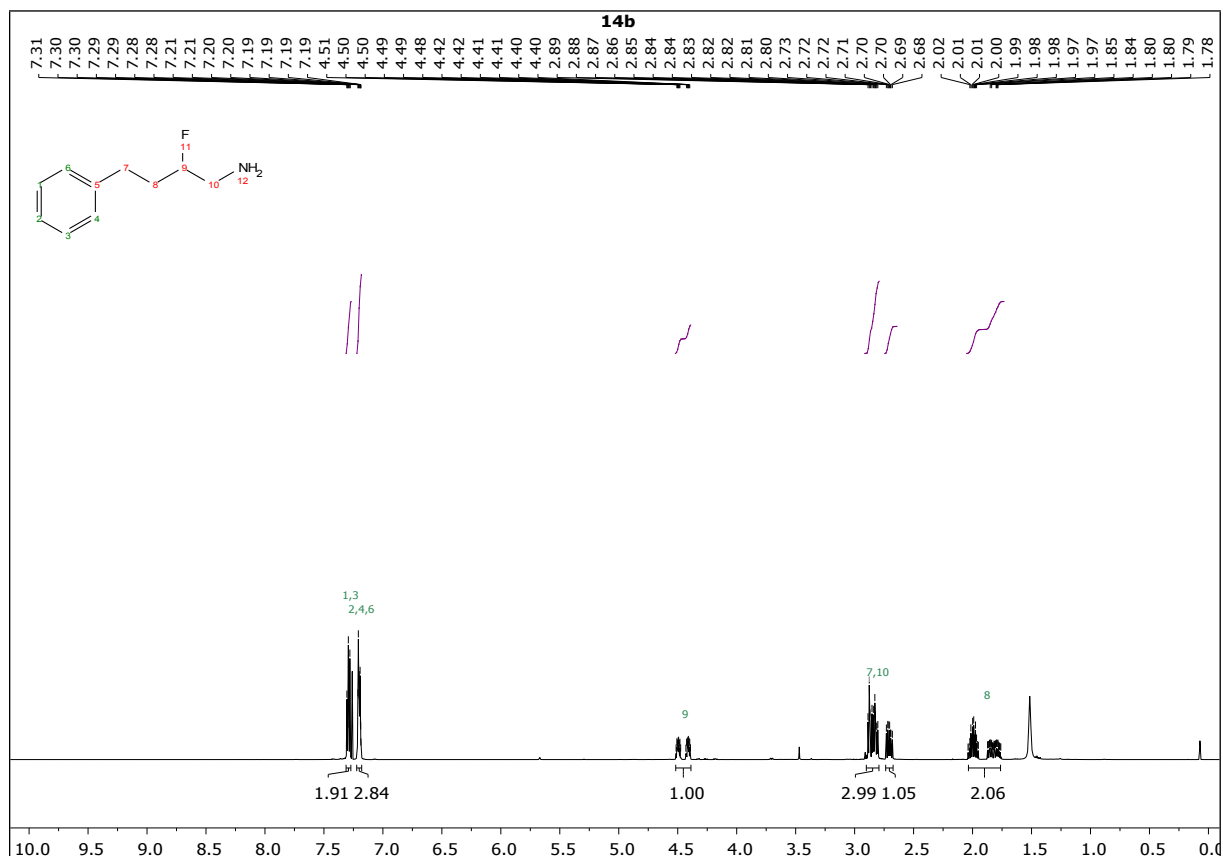


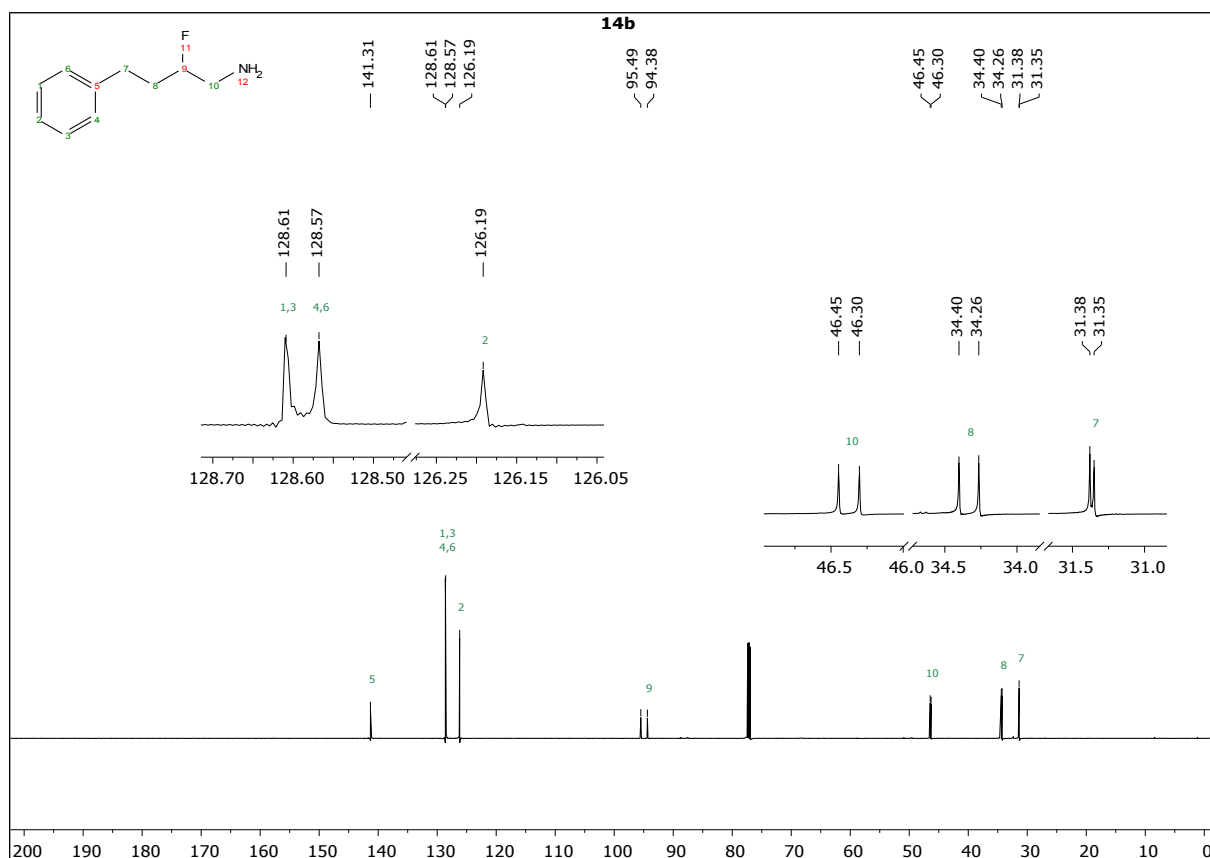
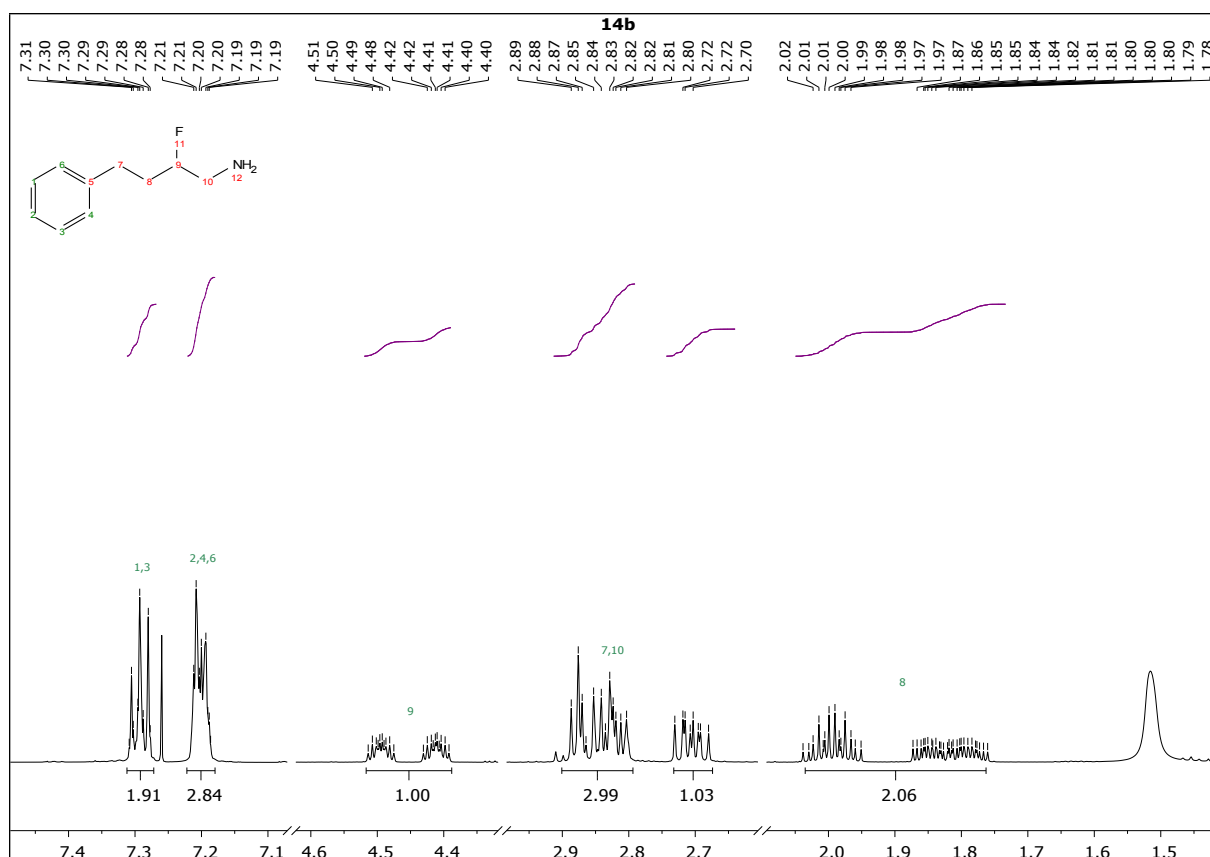


^1H , ^{13}C and ^{19}F NMR spectra of the compound **14b**.

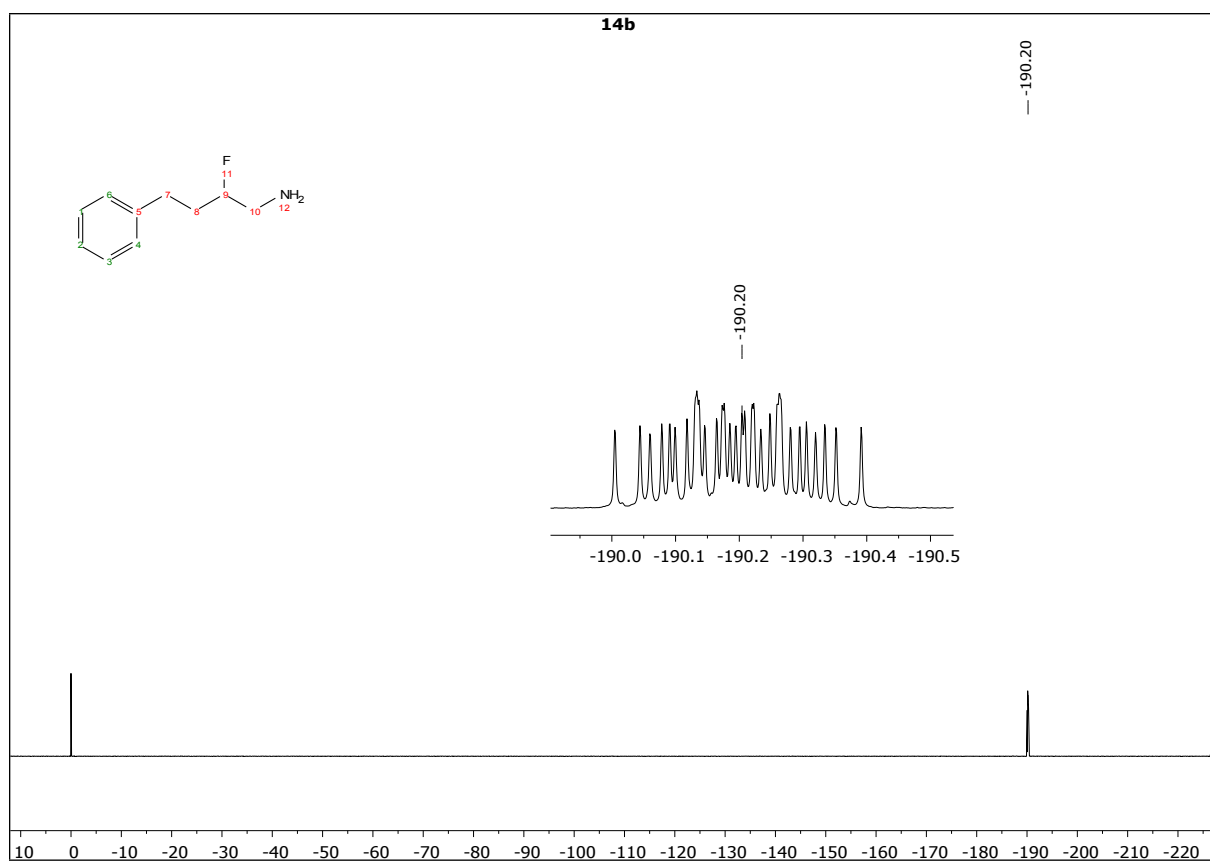


14b

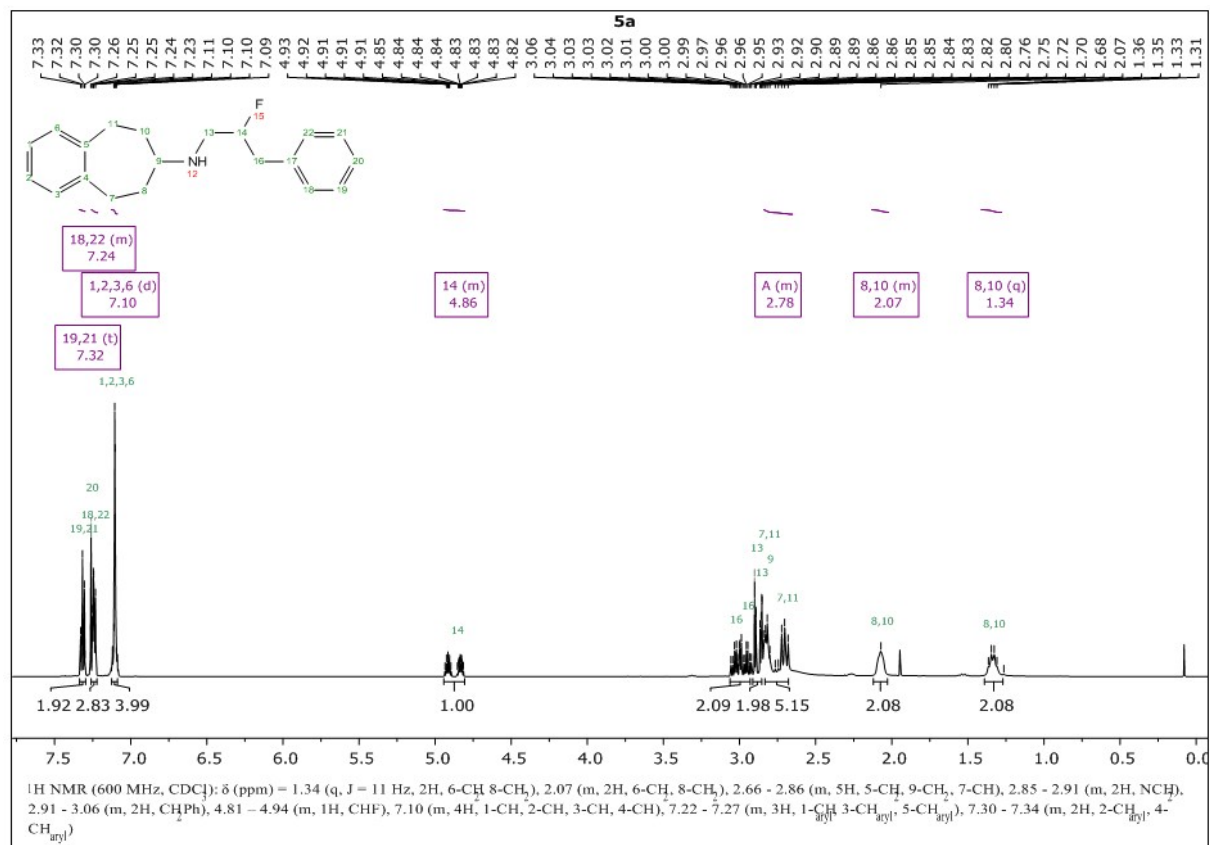
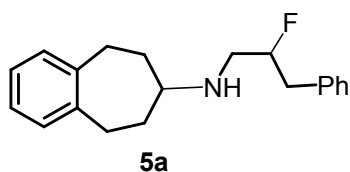


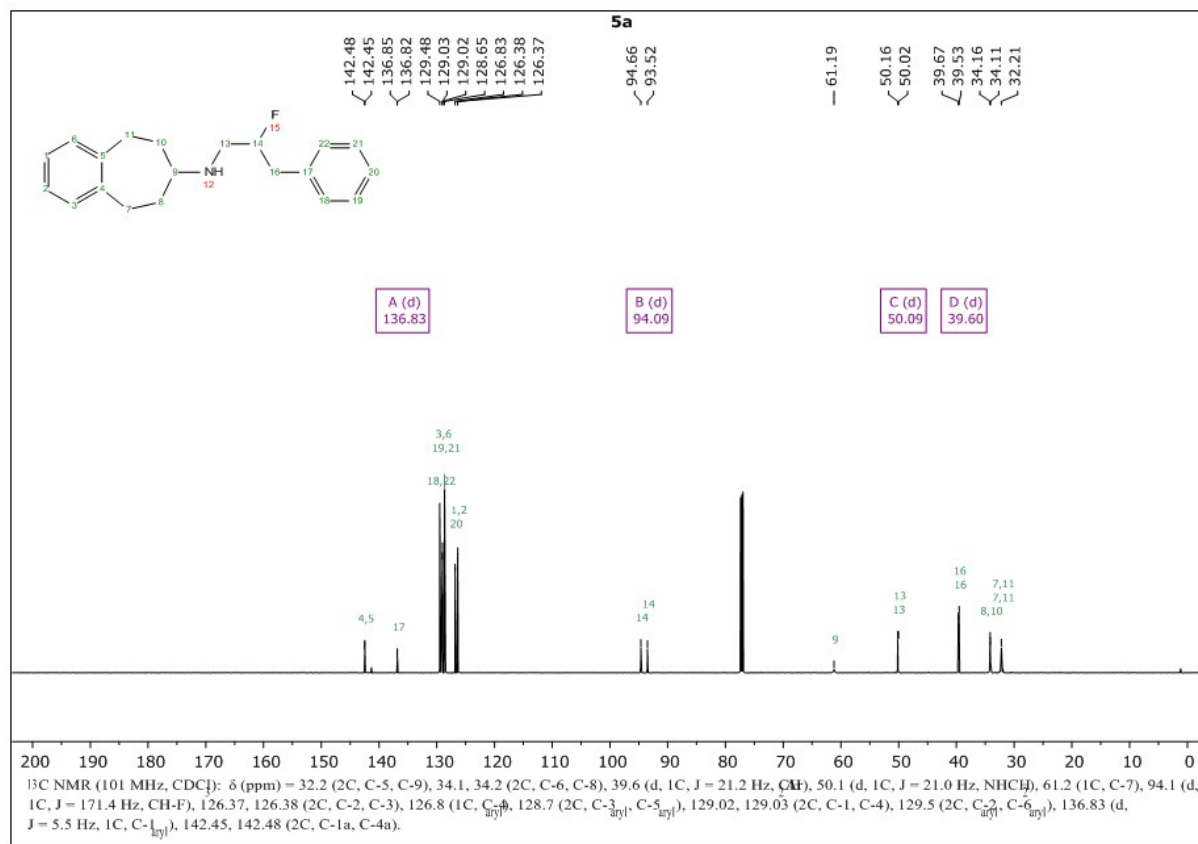
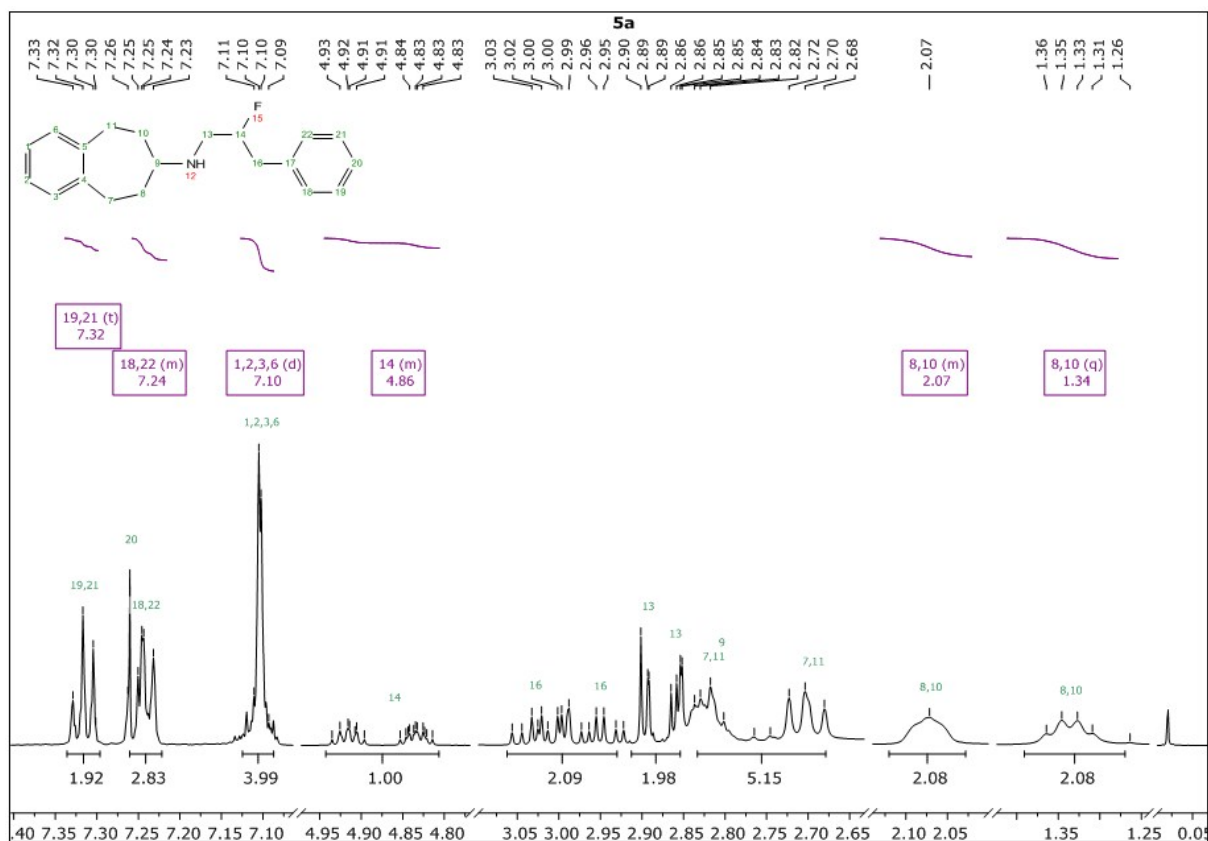


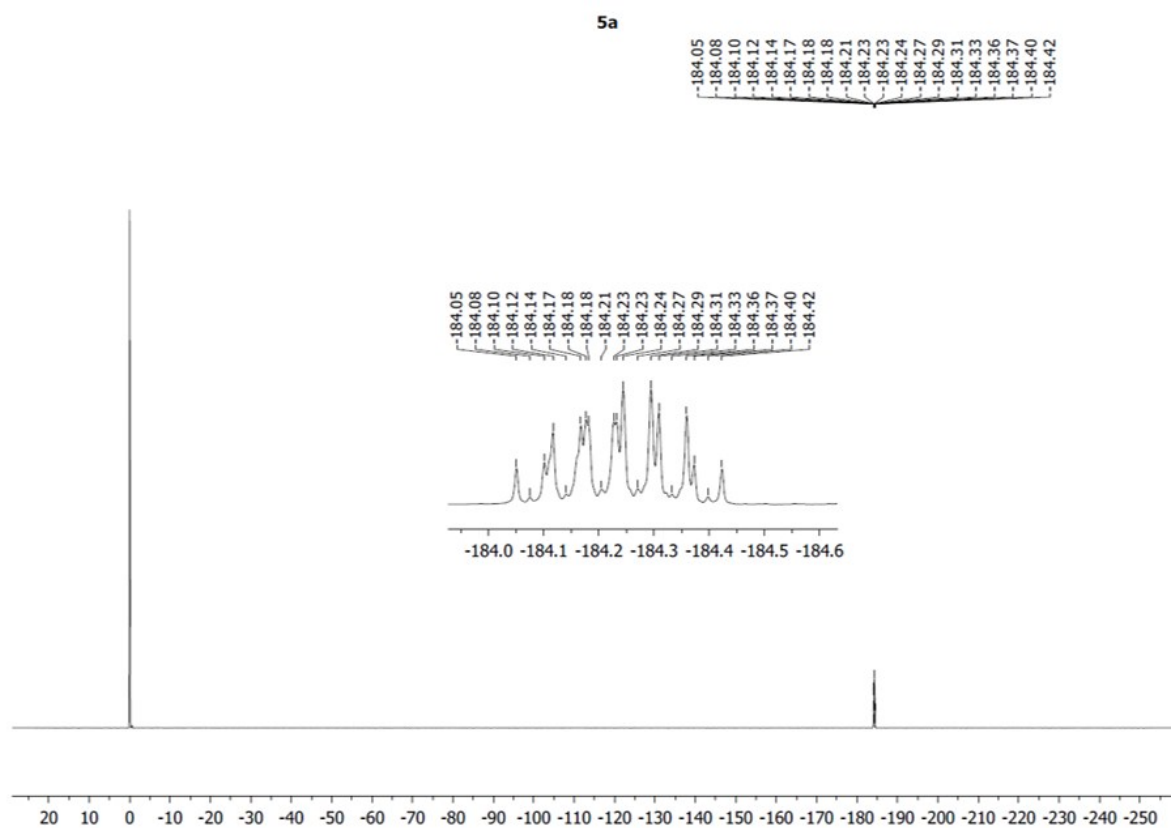
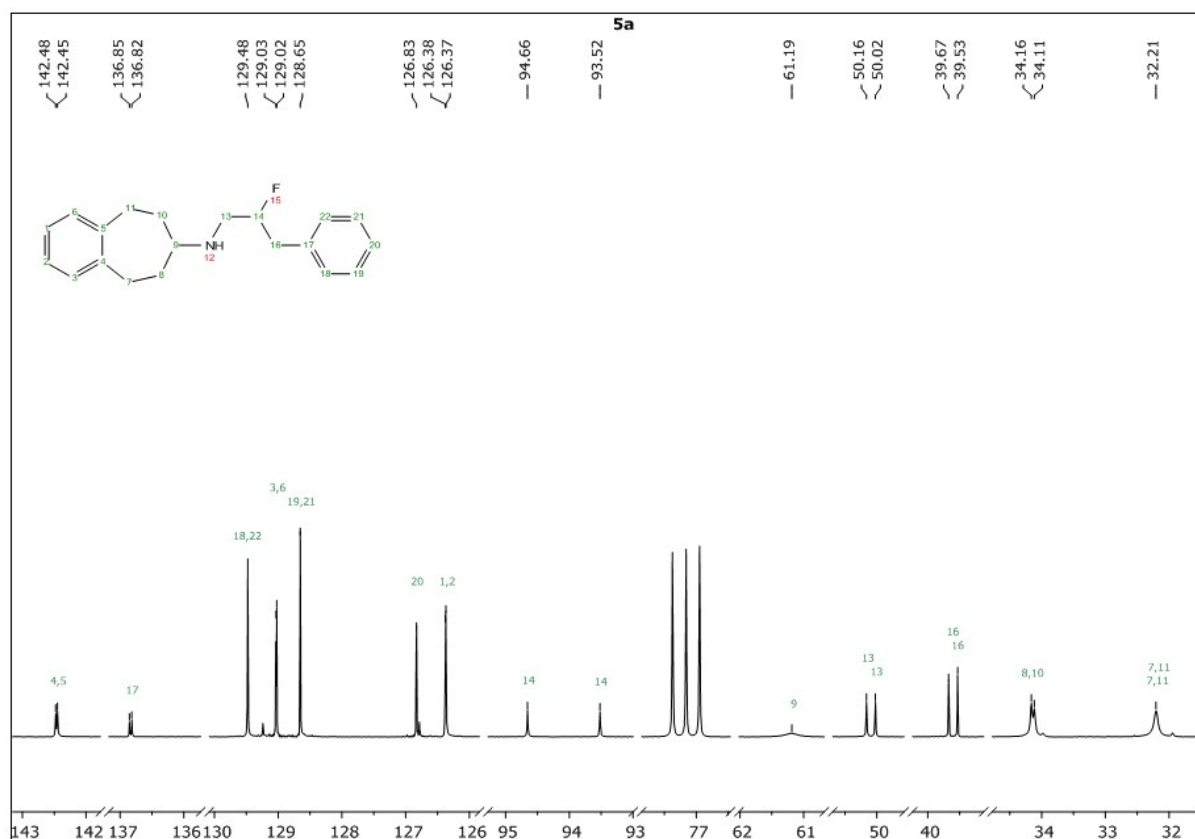
S10



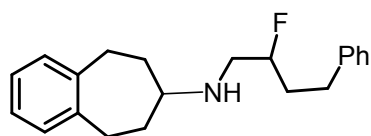
^1H , ^{13}C and ^{19}F NMR spectra of the compound **5a**.







^1H , ^{13}C and ^{19}F NMR spectra of the compound **5b**



5b

