

## **Method of the synthesis of selenium homolog of rucaparib**

**Sindija Lapcinska<sup>1</sup>, Pavel Arsenyan<sup>1\*</sup>**

<sup>1</sup> *Latvian Institute of Organic Synthesis,  
21 Aizkraukles St., Riga LV-1006, Latvia; e-mail: pavel@osi.lv*

## **SUPPLEMENTARY INFORMATION**

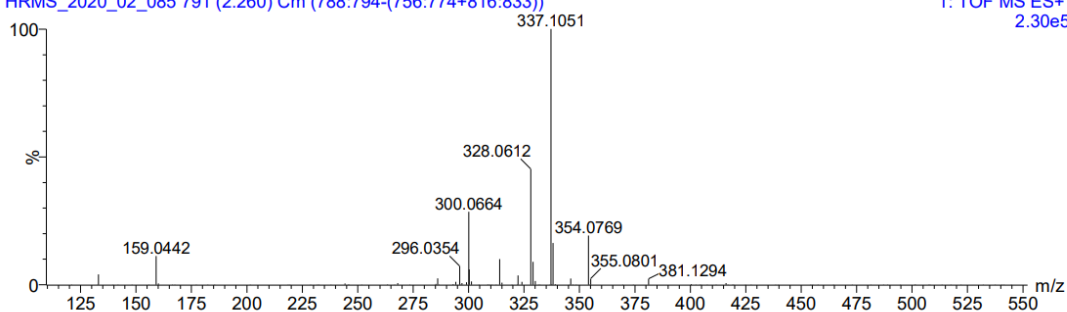
### **Table of contents:**

<b>HRMS spectra</b>	<b>2</b>
<b>Copies of <sup>1</sup>H, <sup>13</sup>C, <sup>19</sup>F and <sup>77</sup>Se NMR spectra</b>	<b>3</b>

**Methyl 5-fluoro-2-((4-formylphenyl)ethynyl)-3-nitrobenzoate (5)**

HRMS\_2020\_02\_085 791 (2.260) Cm (788:794-(756:774+816:833))

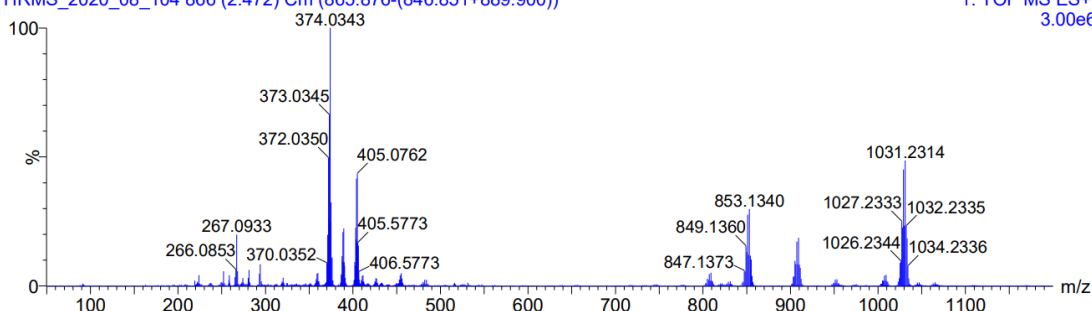
1: TOF MS ES+  
2.30e5



**Di-*tert*-butyl ((((((diselanediybis(ethane-2,1-diyl))bis(azanediy))bis(carbonyl))bis(6-amino-4-fluoro-2,1-phenylene))bis(ethyne-2,1-diyl))bis(4,1-phenylene))bis(methylene))bis(methylcarbamate) (7)**

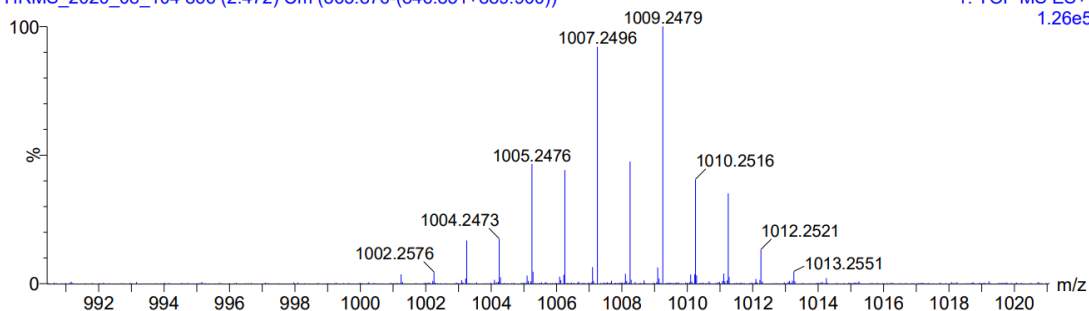
HRMS\_2020\_08\_104 866 (2.472) Cm (865:876-(846:851+889:900))

1: TOF MS ES+  
3.00e6



HRMS\_2020\_08\_104 866 (2.472) Cm (865:876-(846:851+889:900))

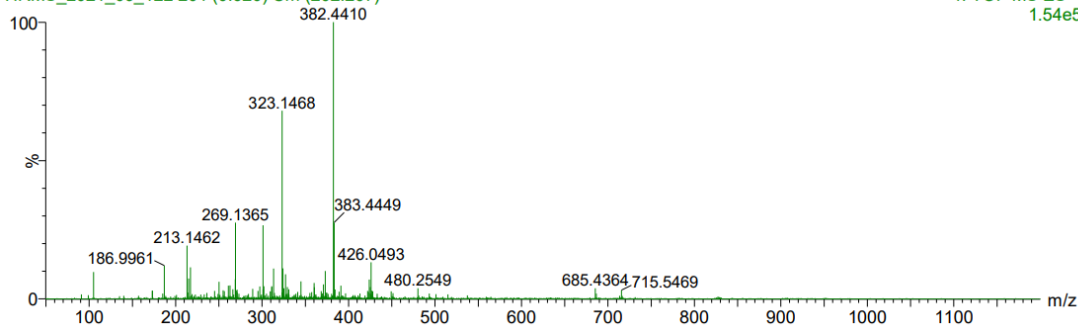
1: TOF MS ES+  
1.26e5

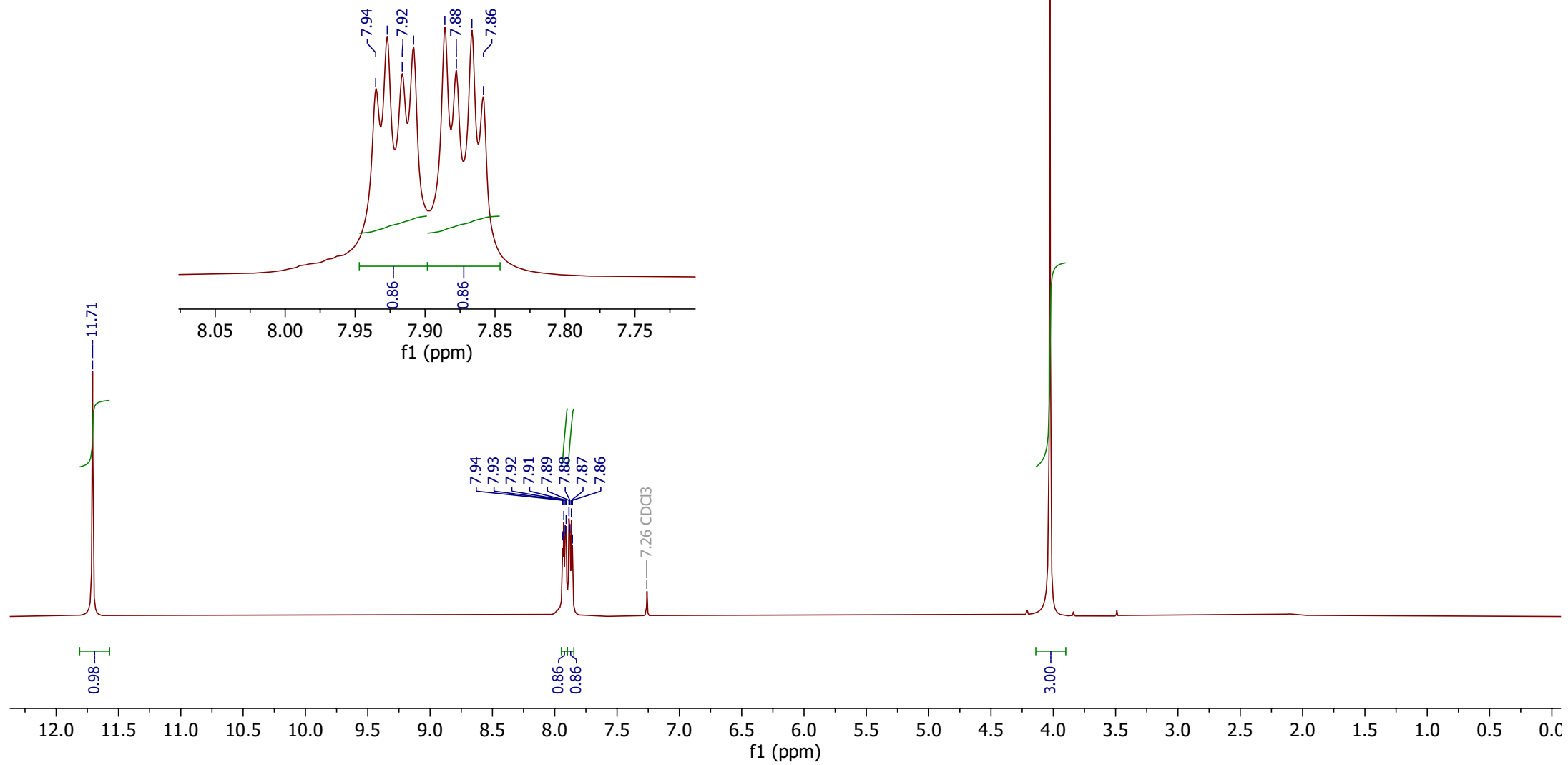
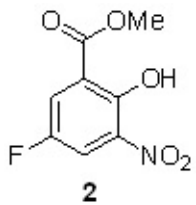


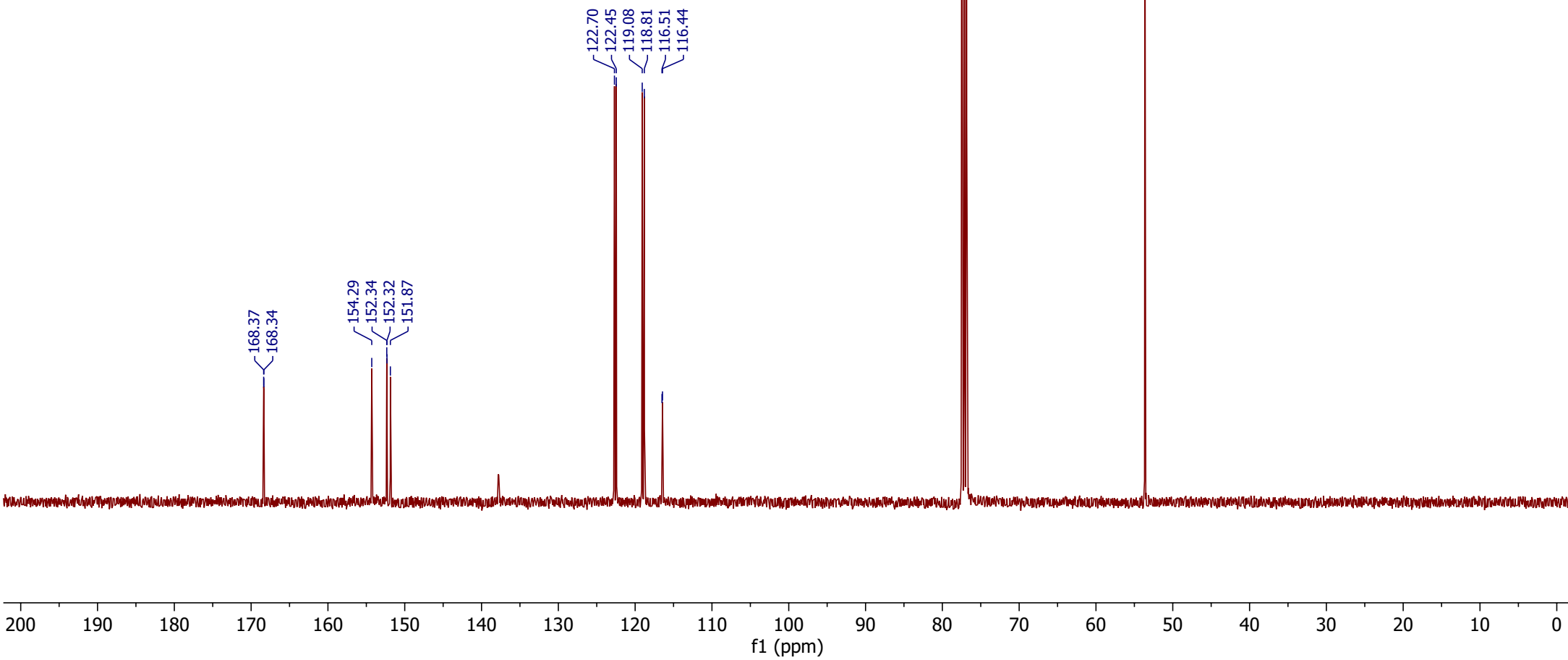
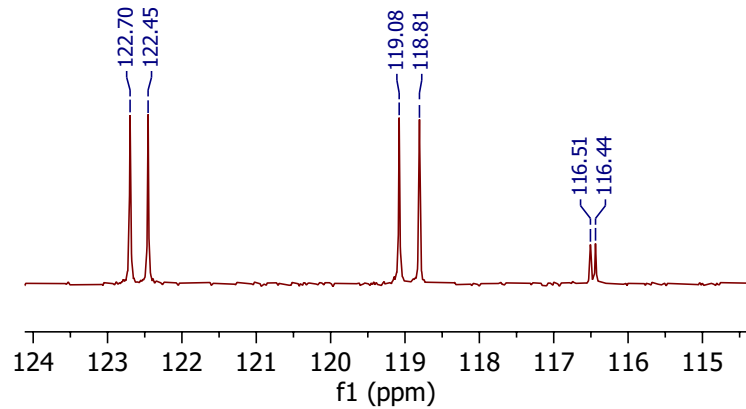
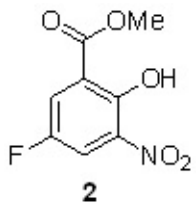
**1-(4-(9-fluoro-1-oxo-1,3,4,7-tetrahydro-2*H*-[1,4]selenazocino[8,7,6-*cd*]indol-6-yl)phenyl)-*N*-methylmethanaminium 2,2,2-trifluoroacetate (10)**

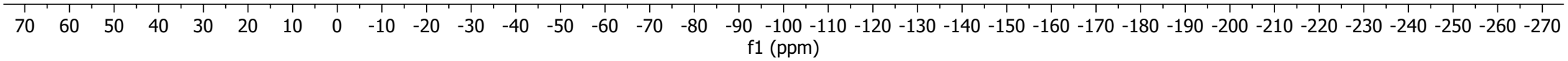
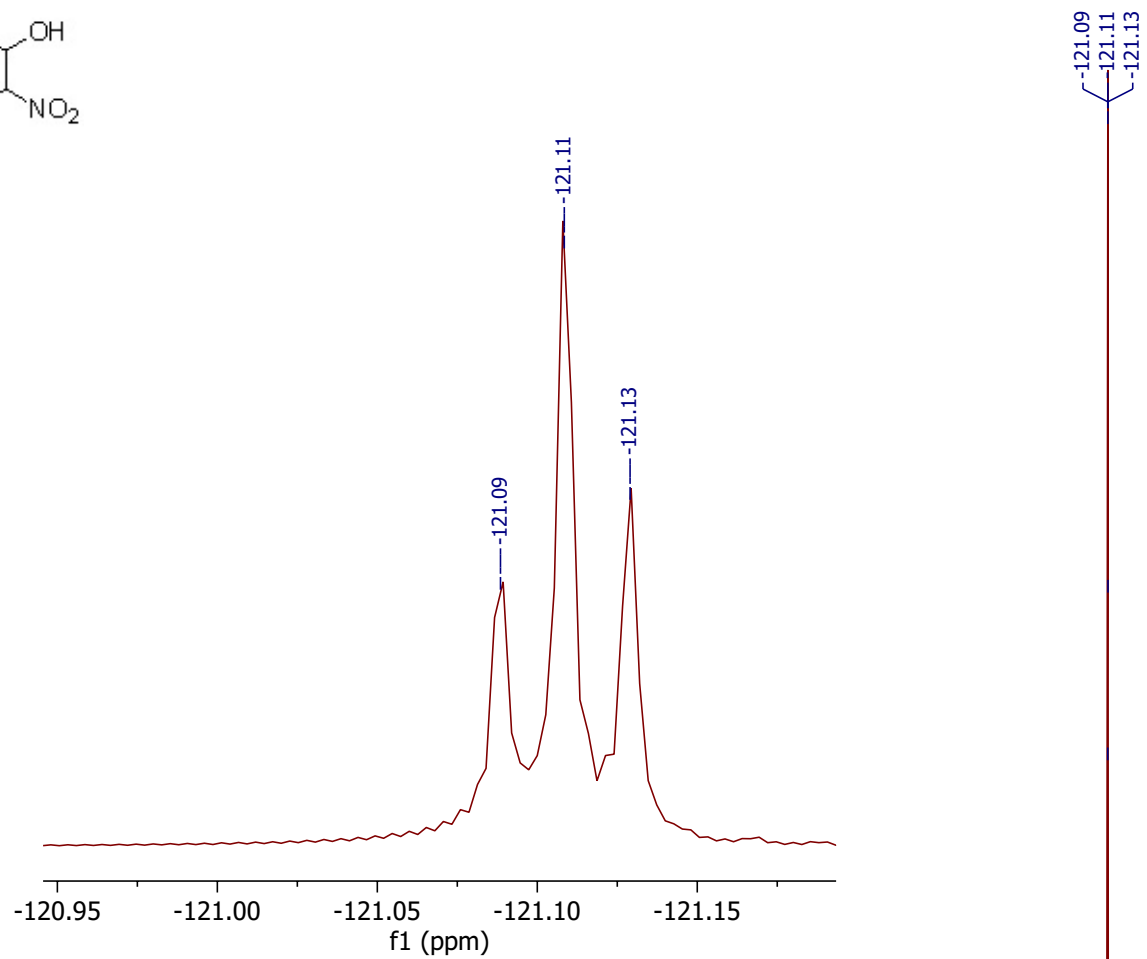
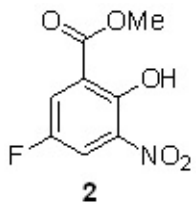
HRMS\_2021\_09\_122 204 (0.620) Cm (202:207)

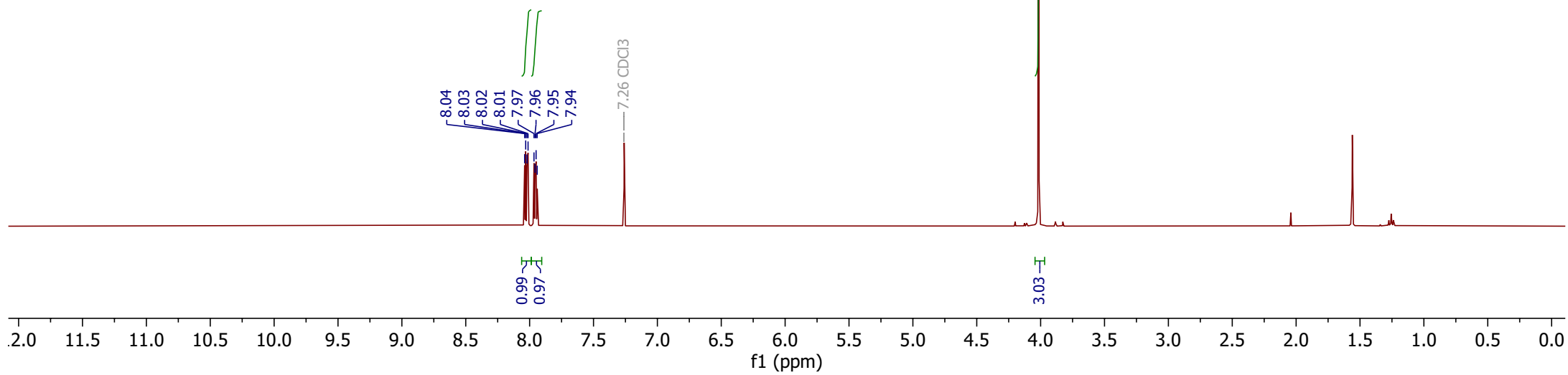
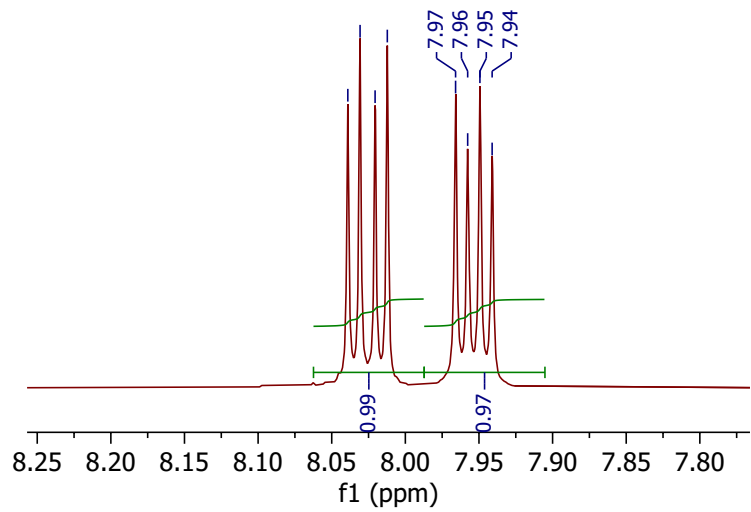
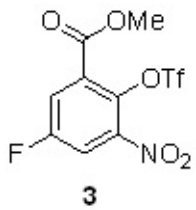
1: TOF MS ES+  
1.54e5

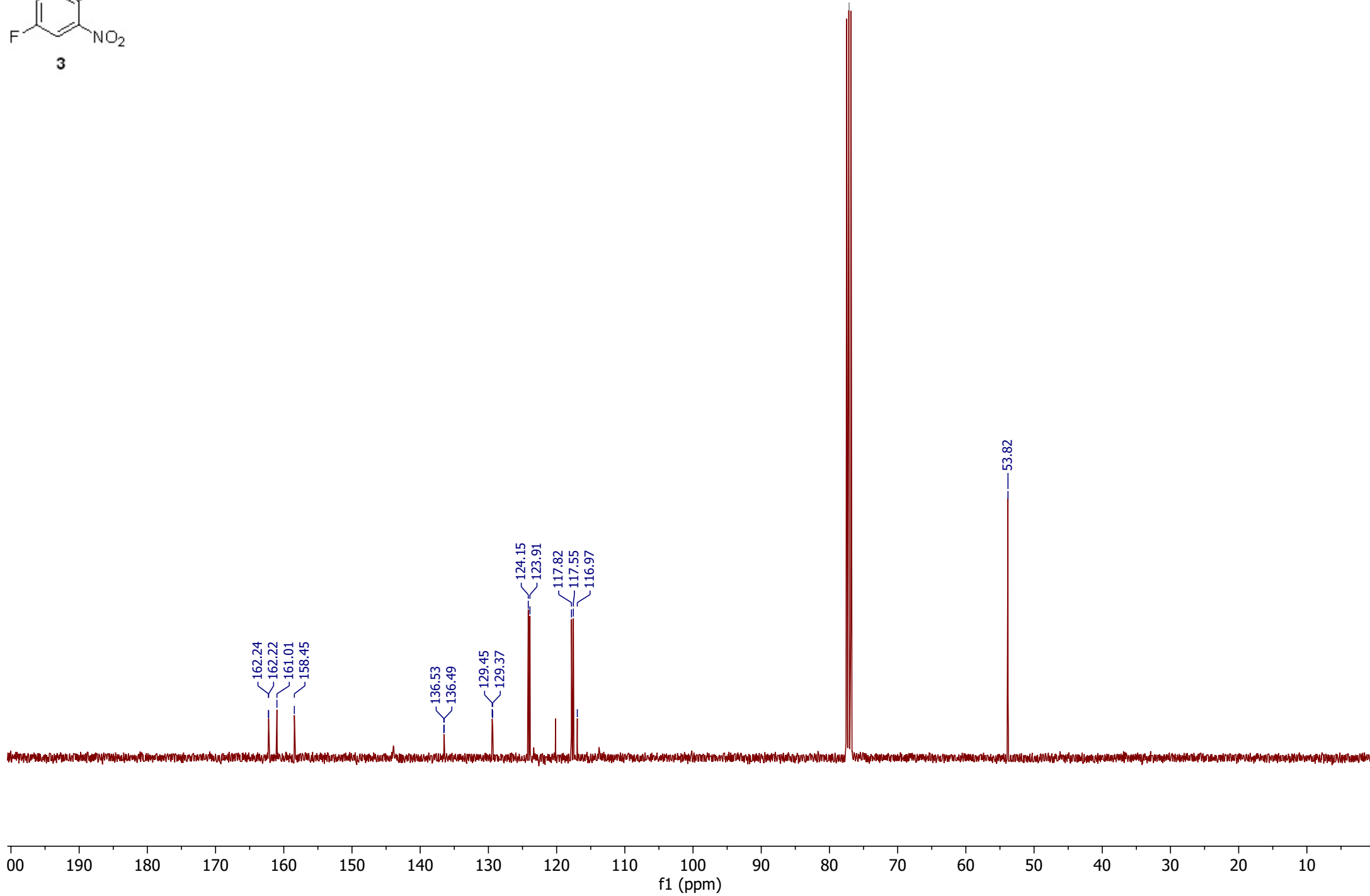
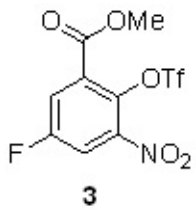


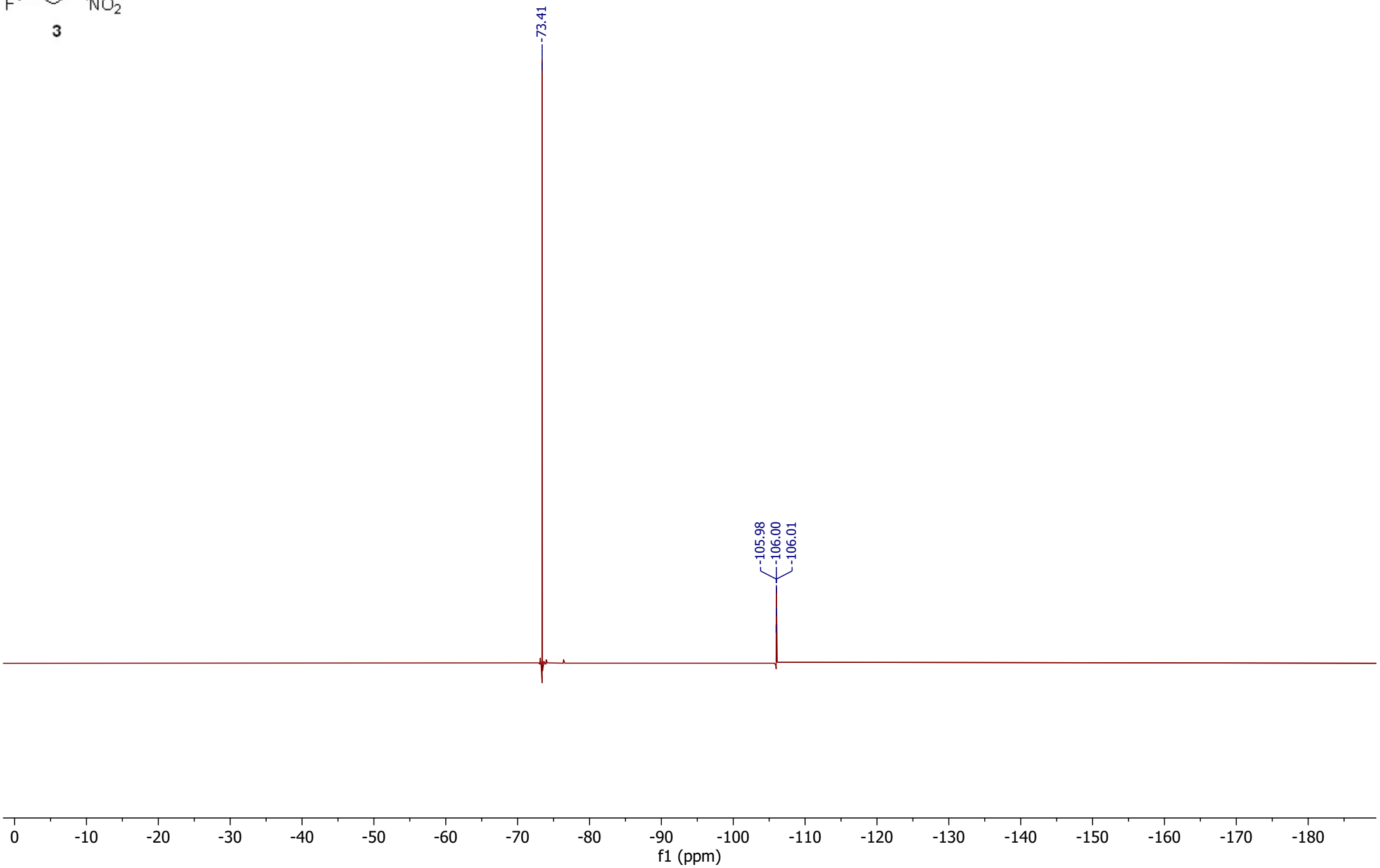
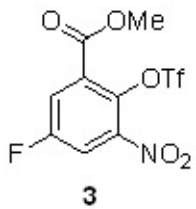




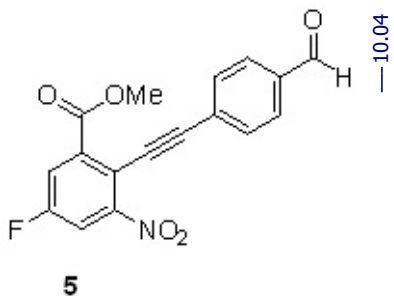




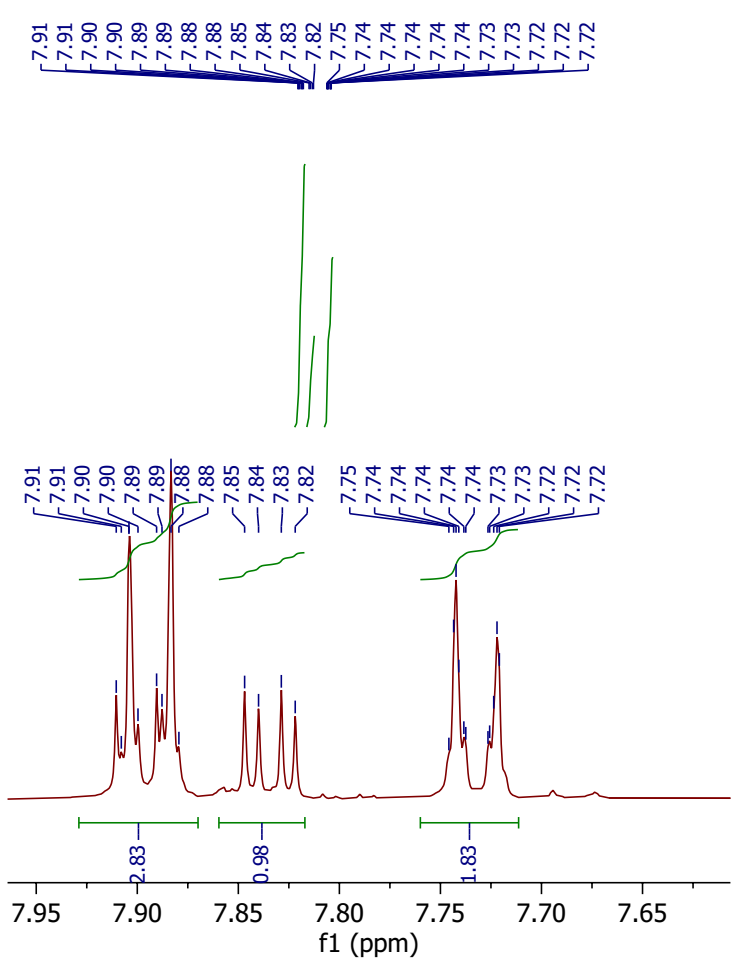




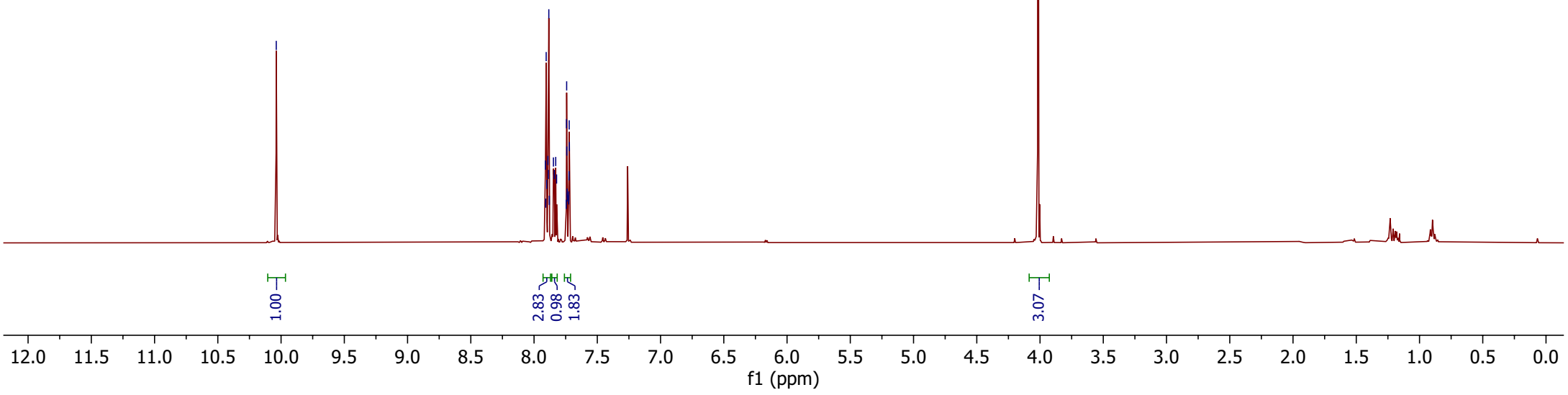


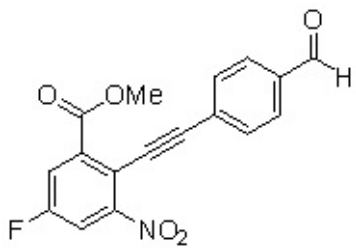


10.04

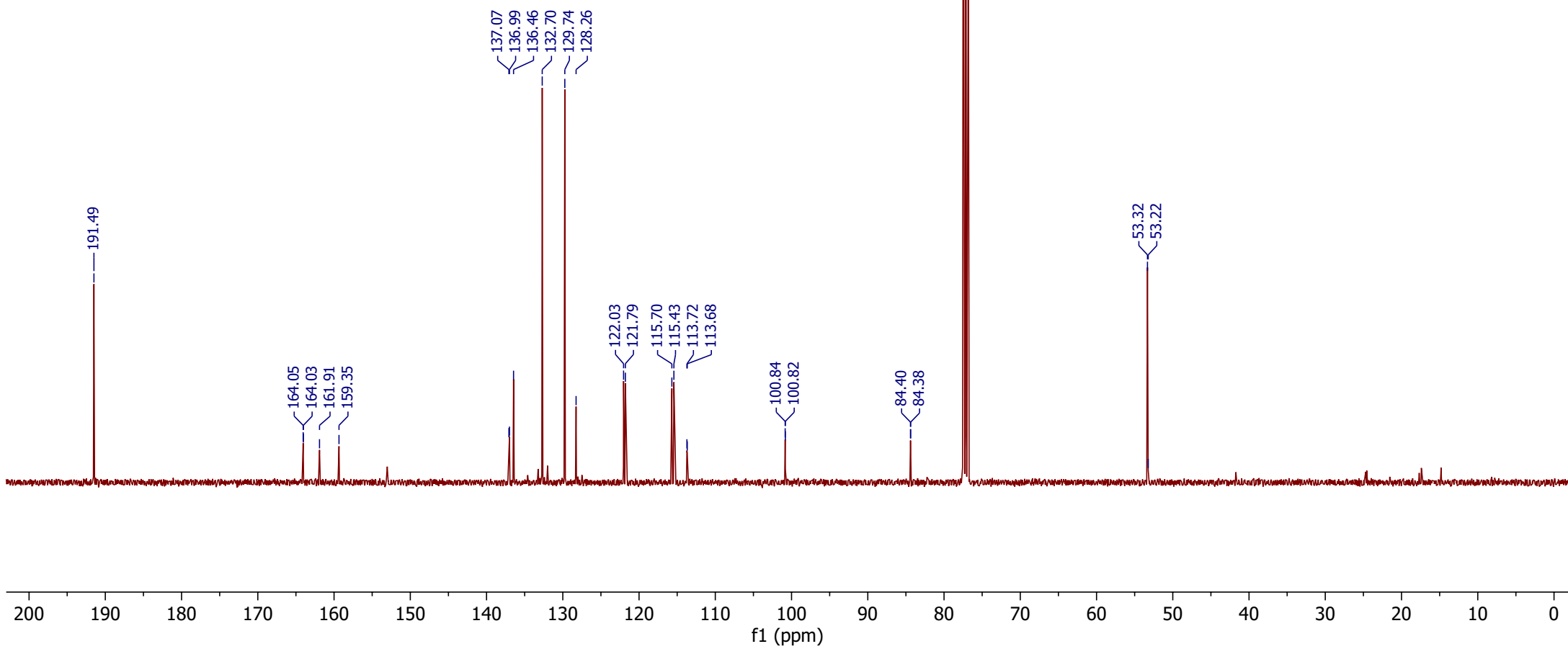


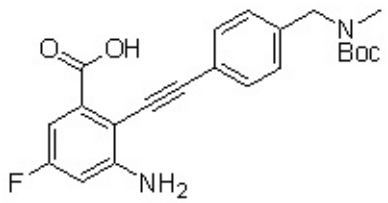
4.02



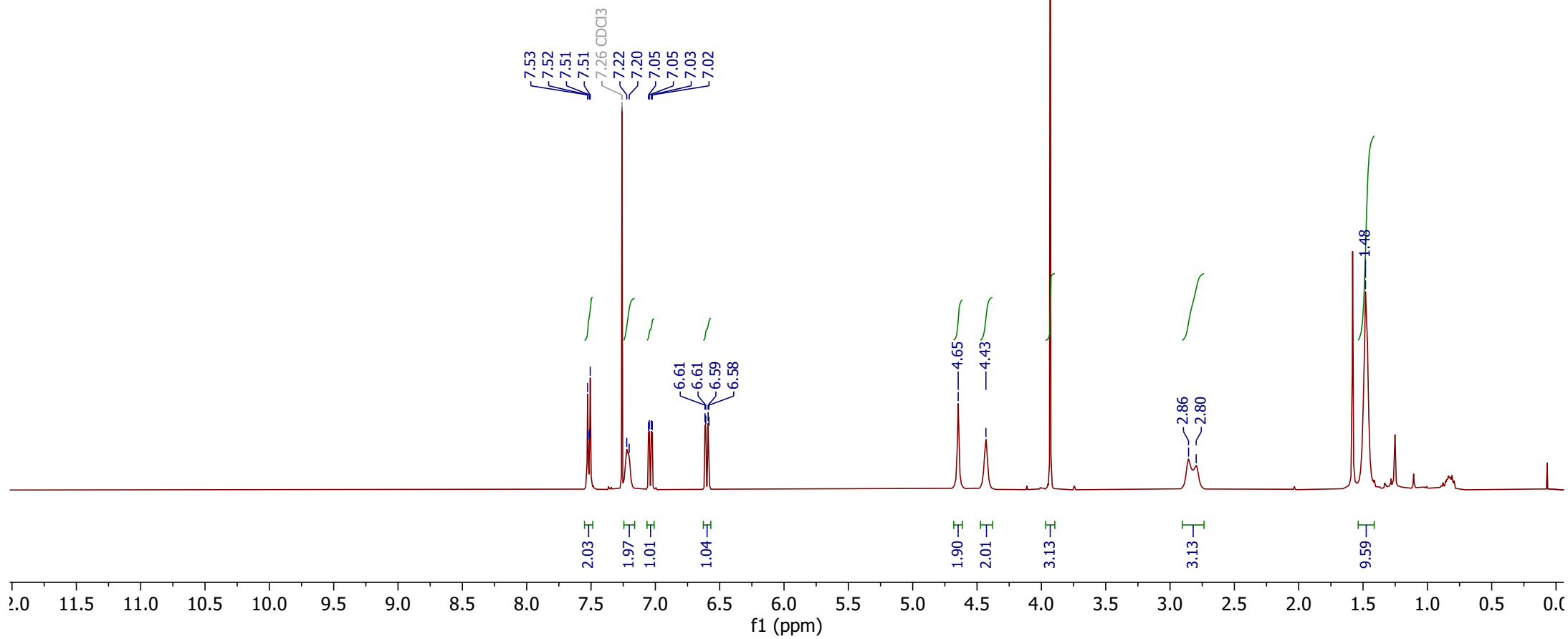


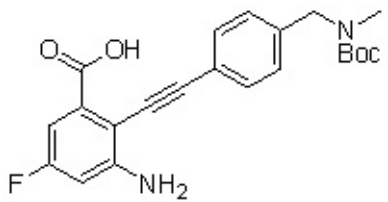
**5**



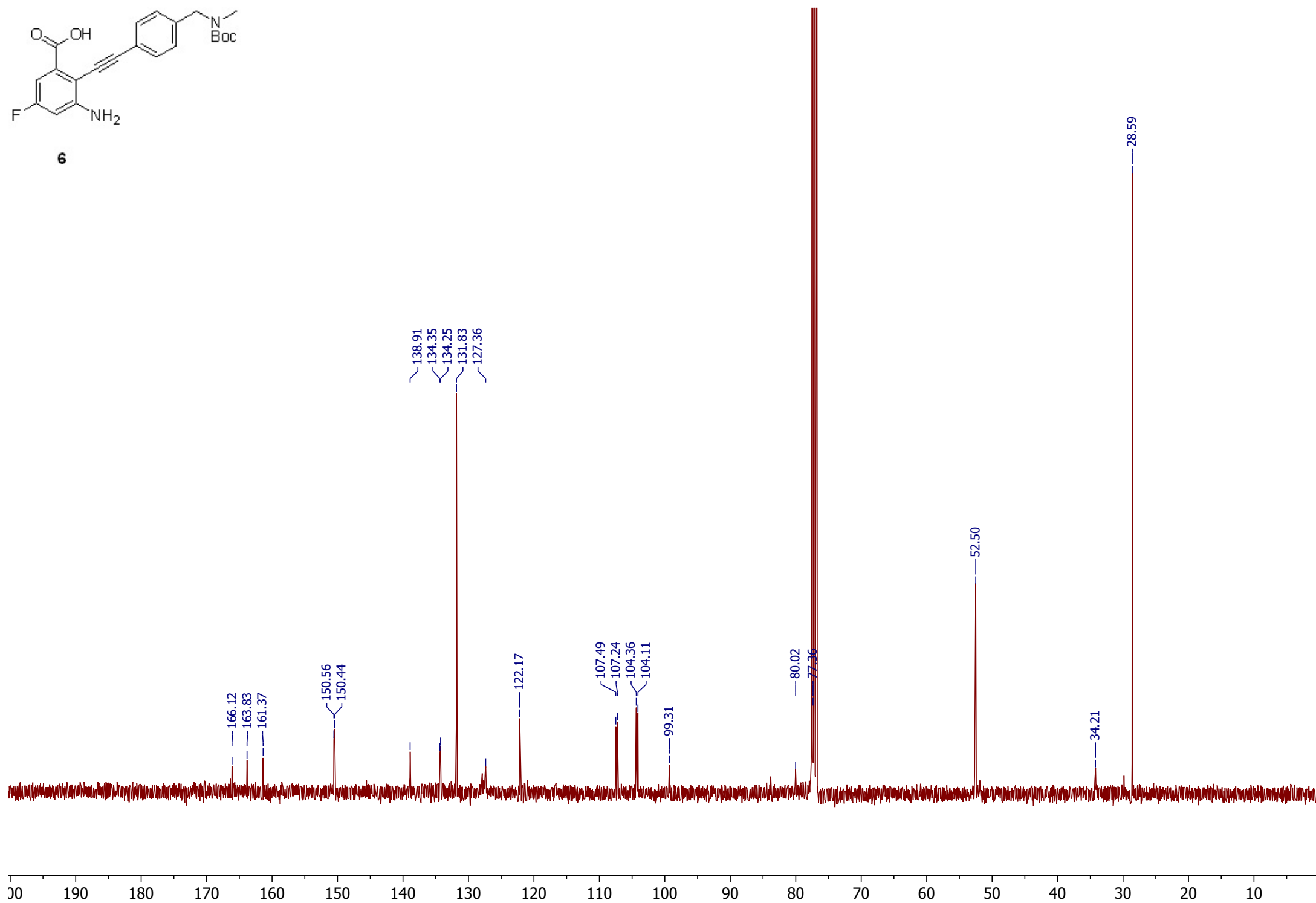


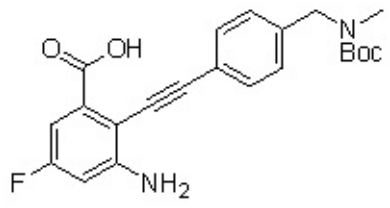
6



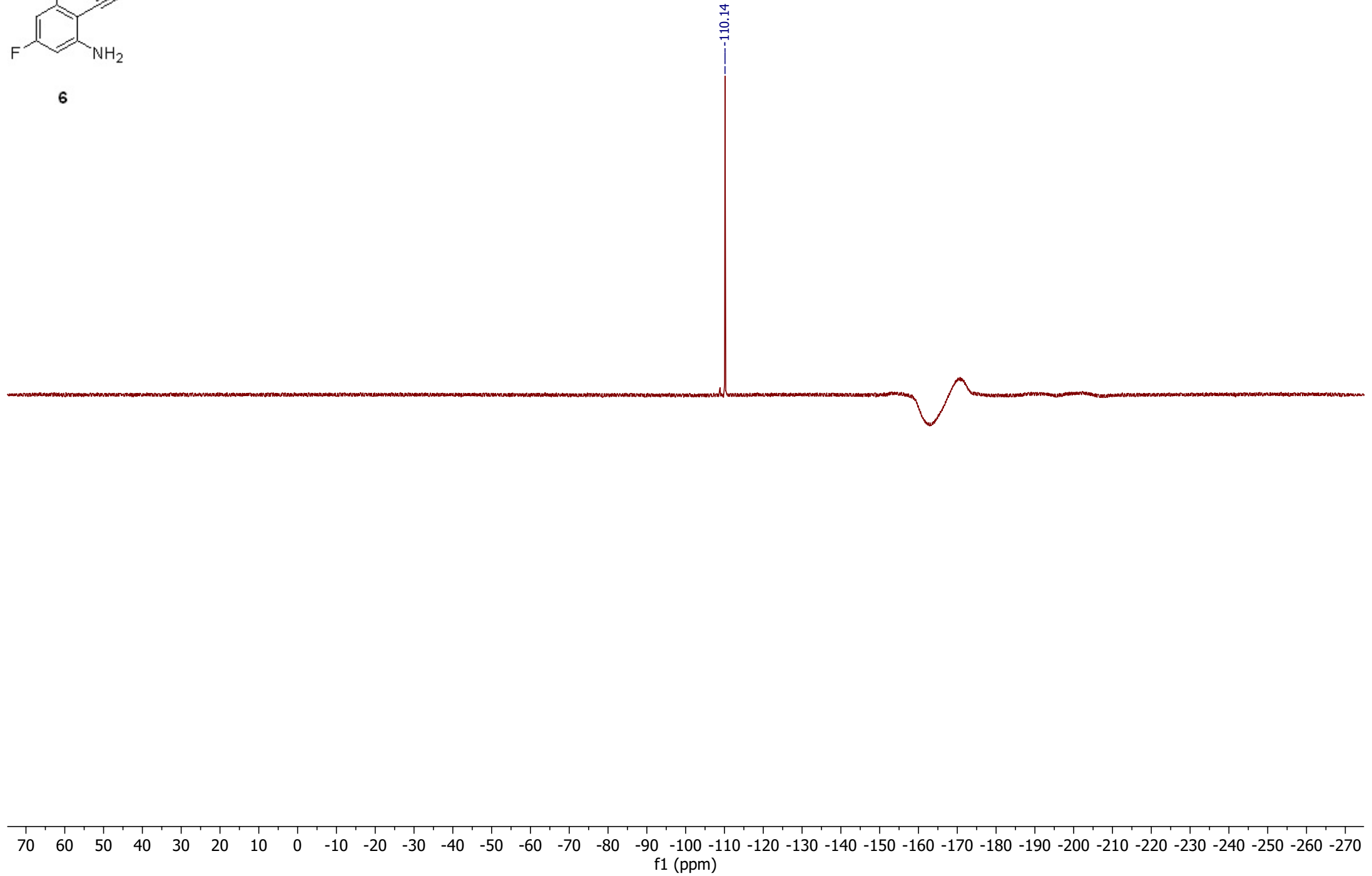


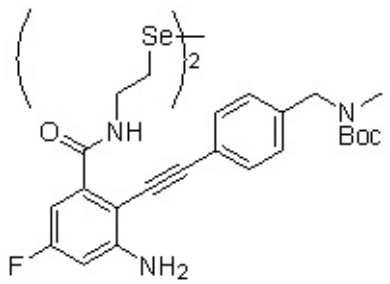
6



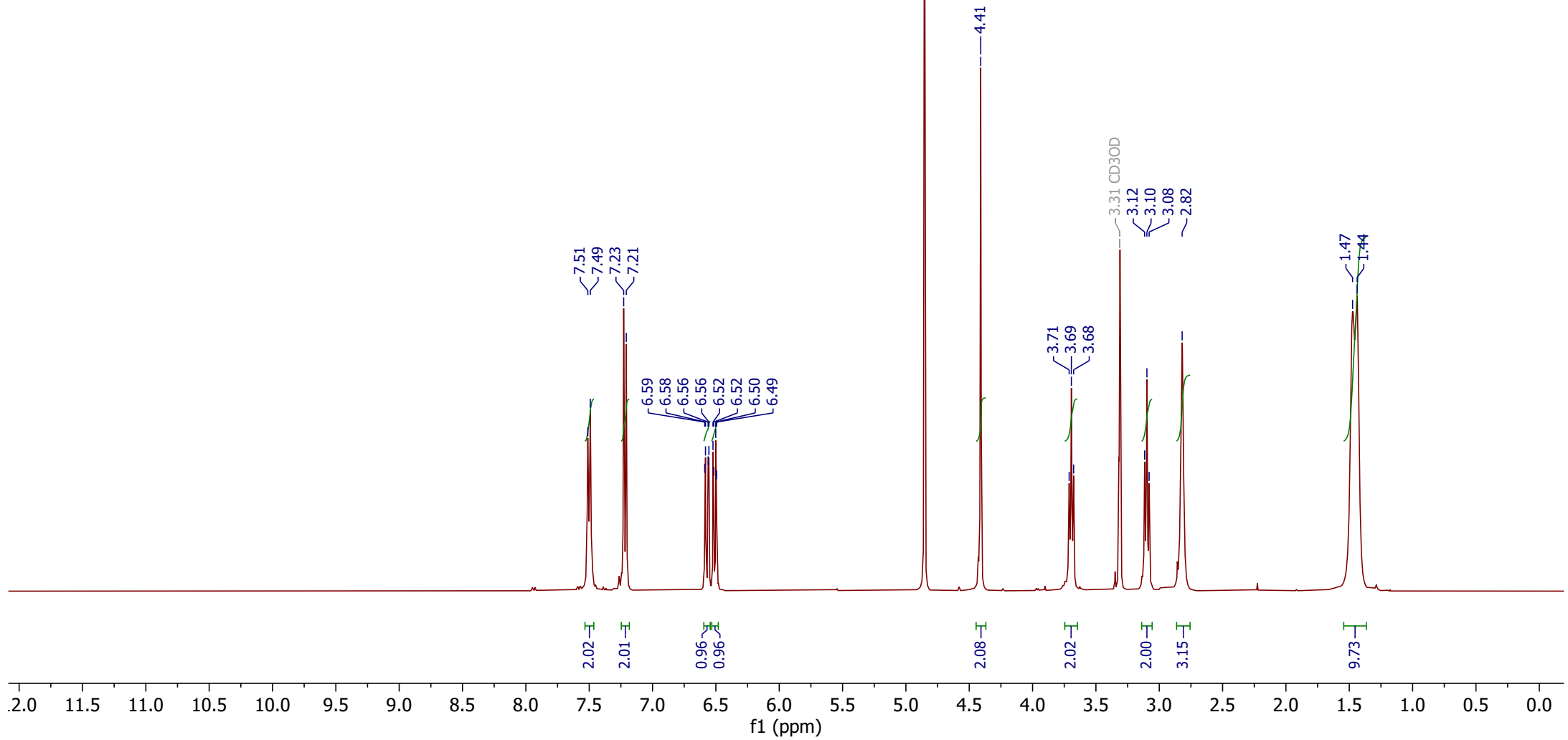


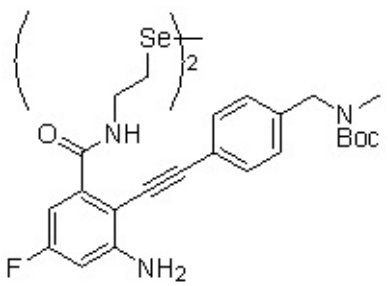
6



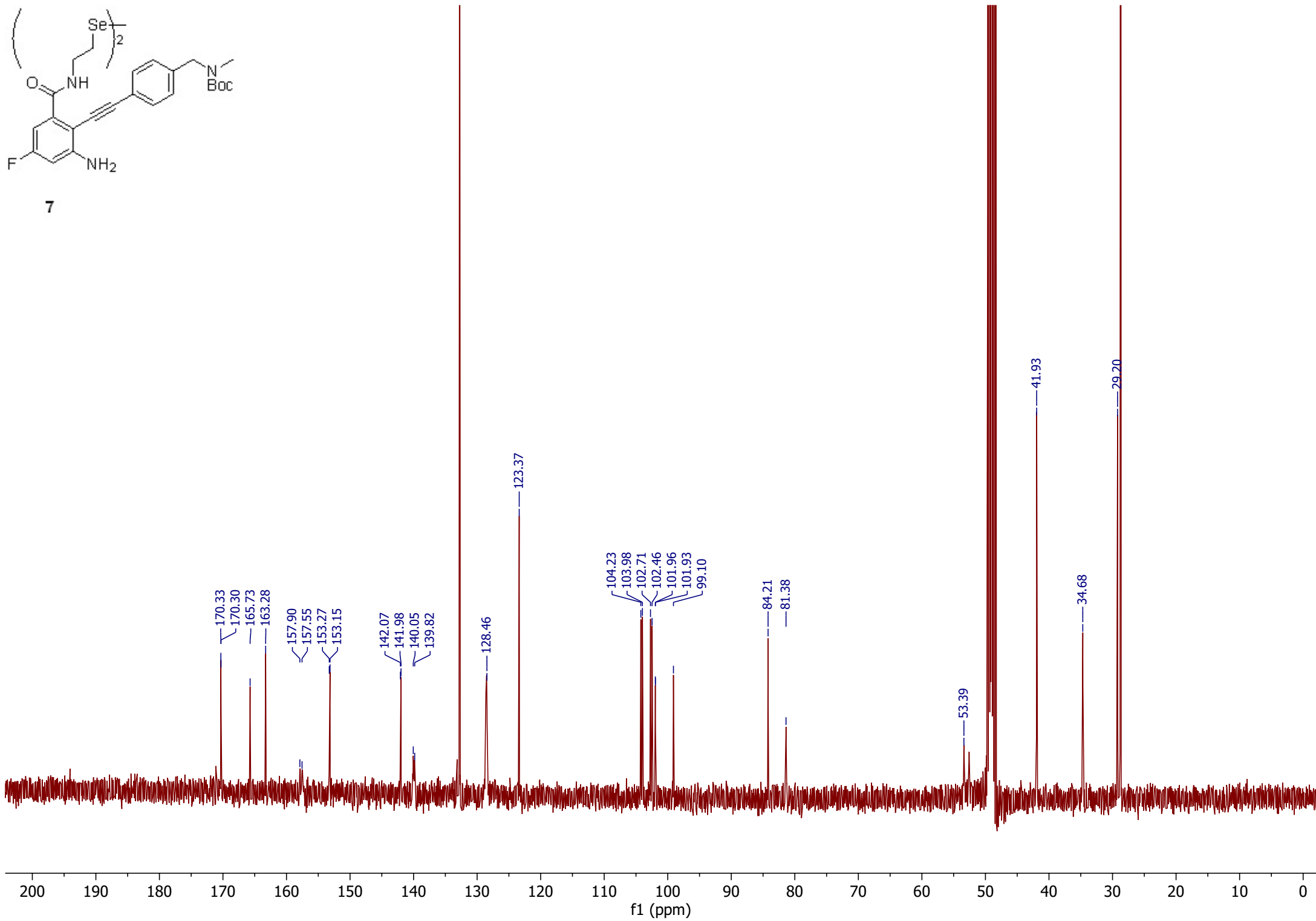


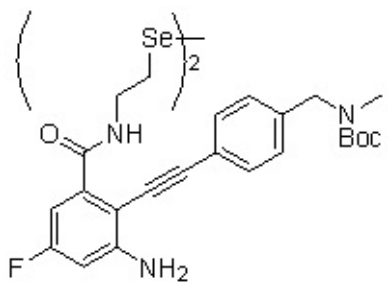
7



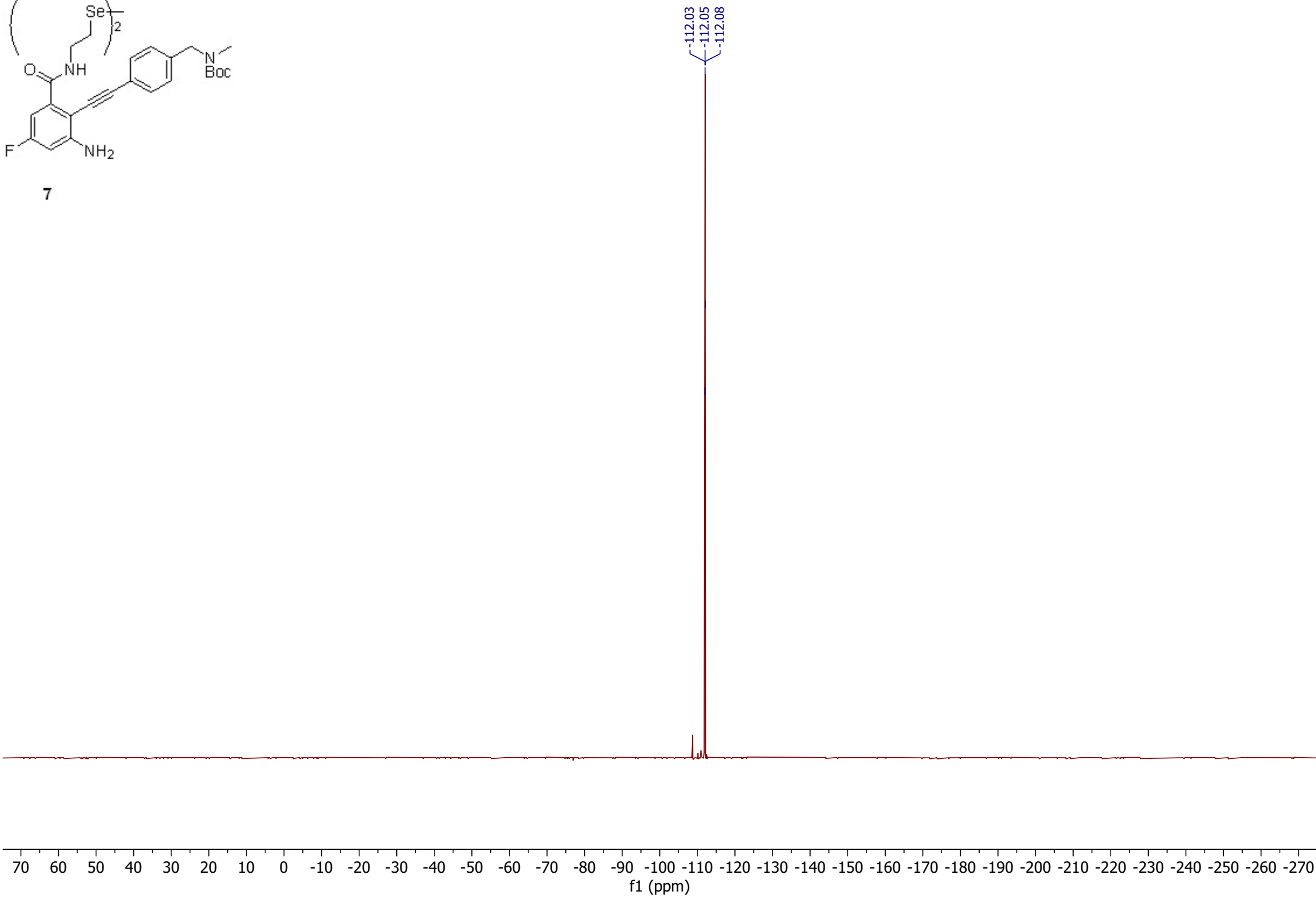


7

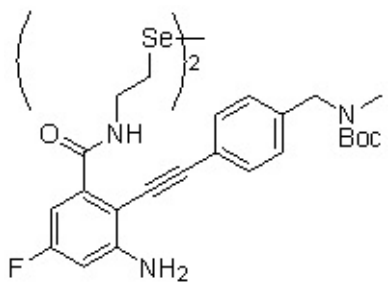




7







7

