

## *Supplementary Material*

### **CHEMISTRY OF THE SYNTHETIC STRIGOLACTONE MIMIC GR24**

Liam J. Bromhead,<sup>A</sup> Jason Smith,<sup>B</sup> and Christopher S. P. McErlean<sup>A,\*</sup>

<sup>A</sup>School of Chemistry, University of Sydney, Sydney 2006, Australia.

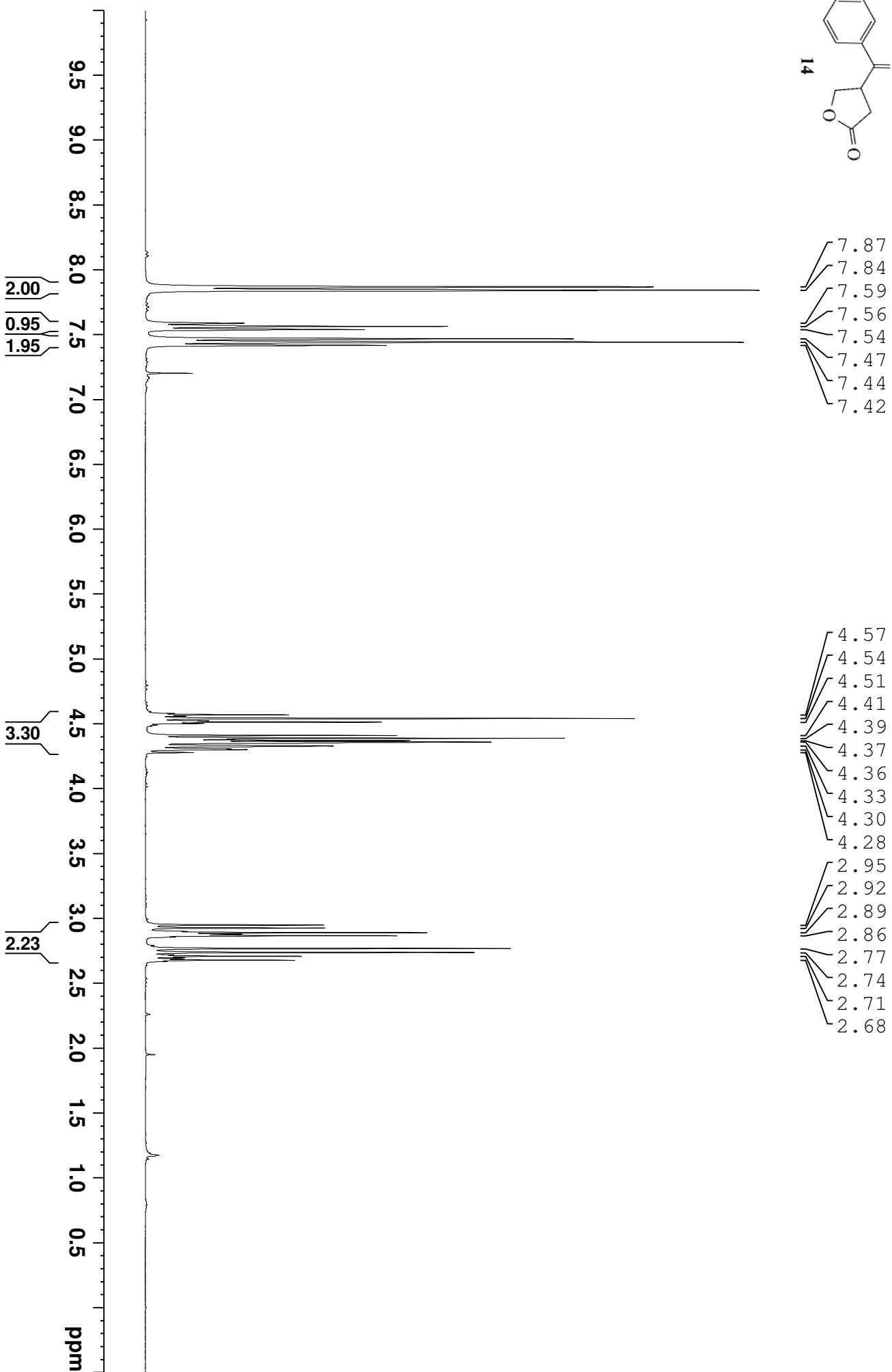
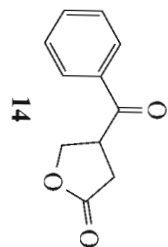
<sup>B</sup>School of Physical Sciences (Chemistry), University of Tasmania, Hobart, 7001, Australia.

<sup>C</sup>Corresponding author. Email: [christopher.mcerlean@sydney.edu.au](mailto:christopher.mcerlean@sydney.edu.au)

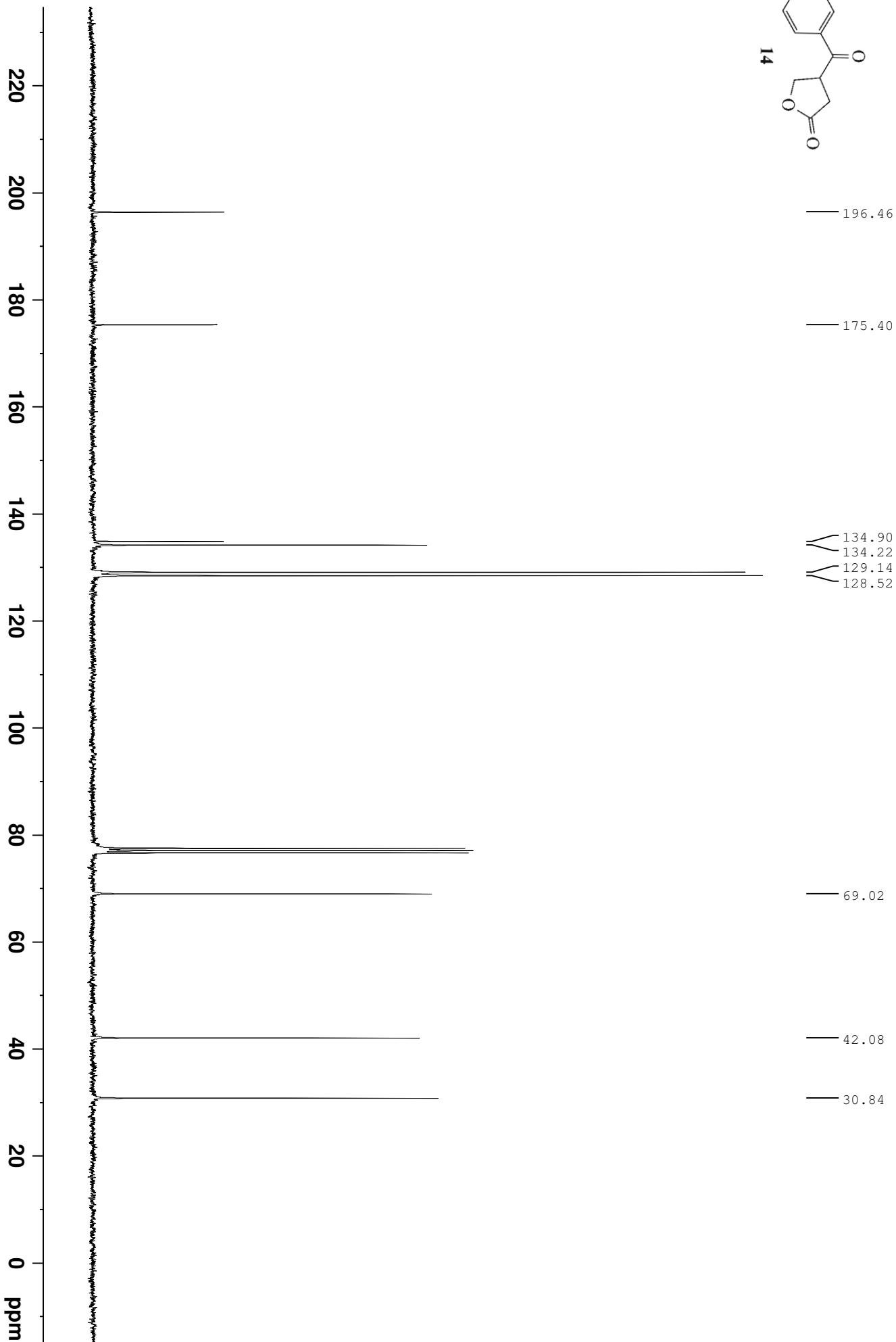
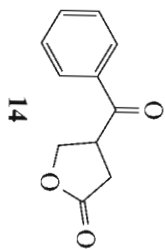
\*Awarded the RACI Athel Beckwith lectureship for 2014.

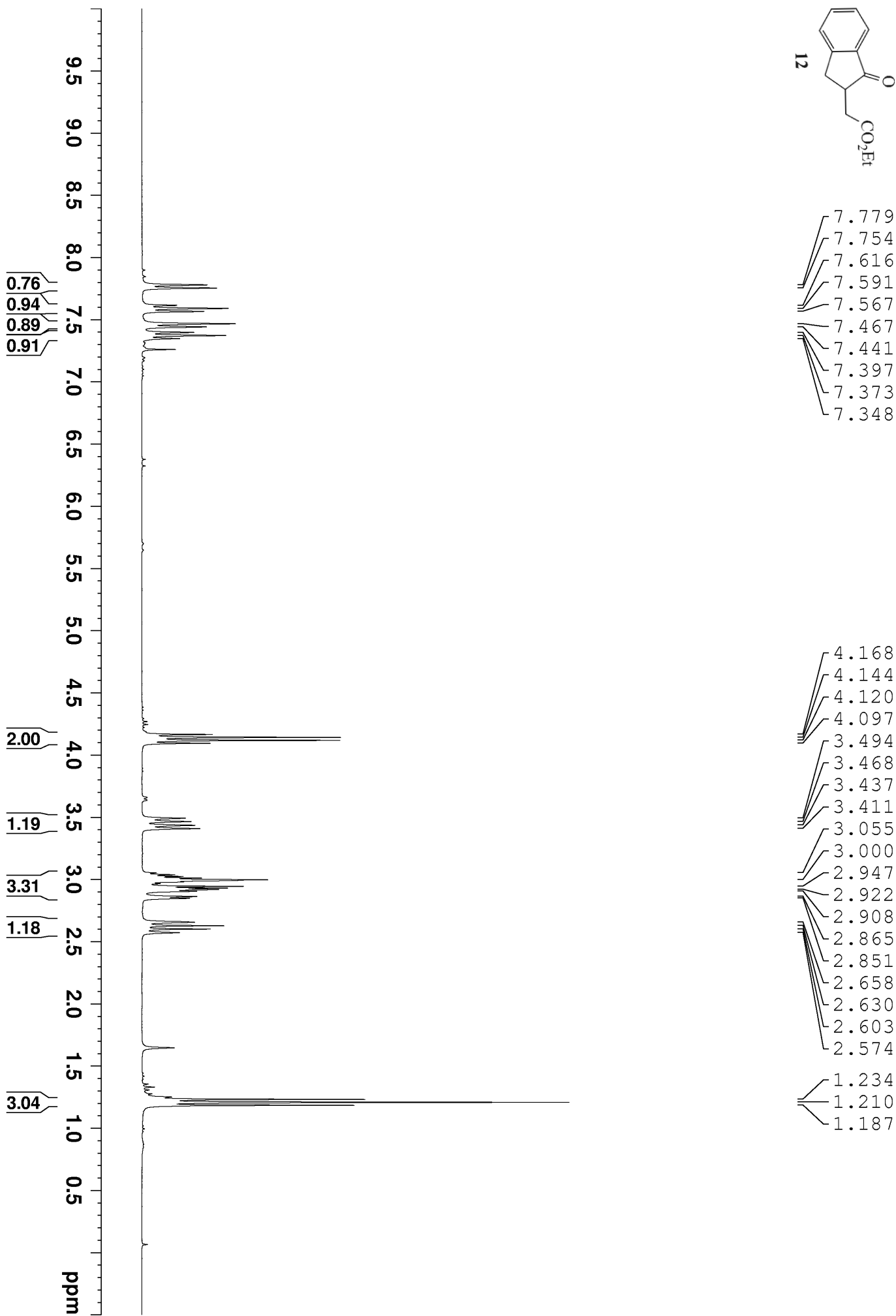
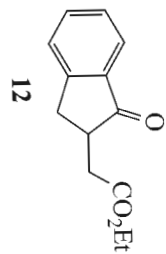
*NMR spectra*

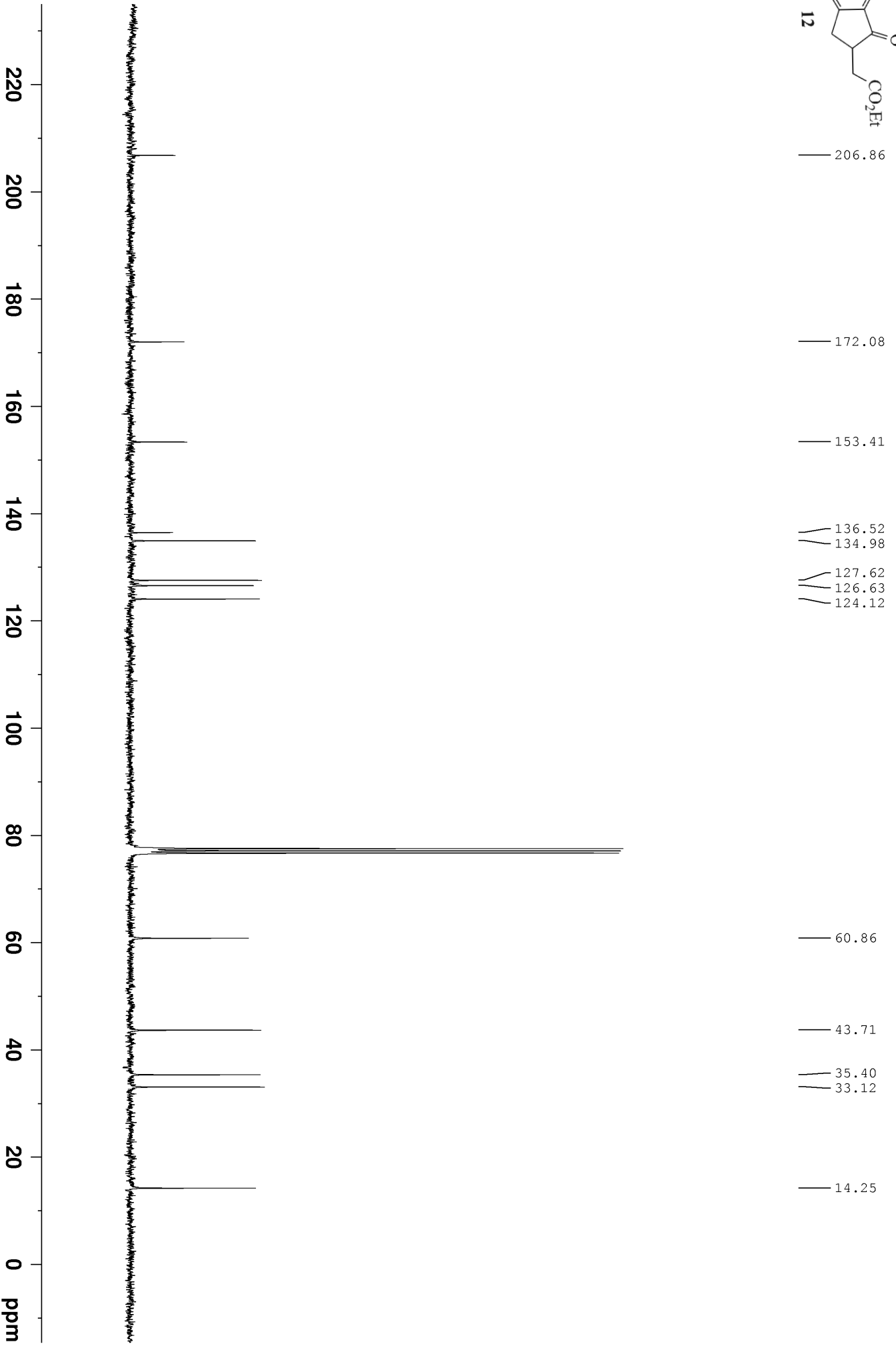
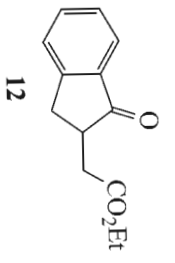
1H

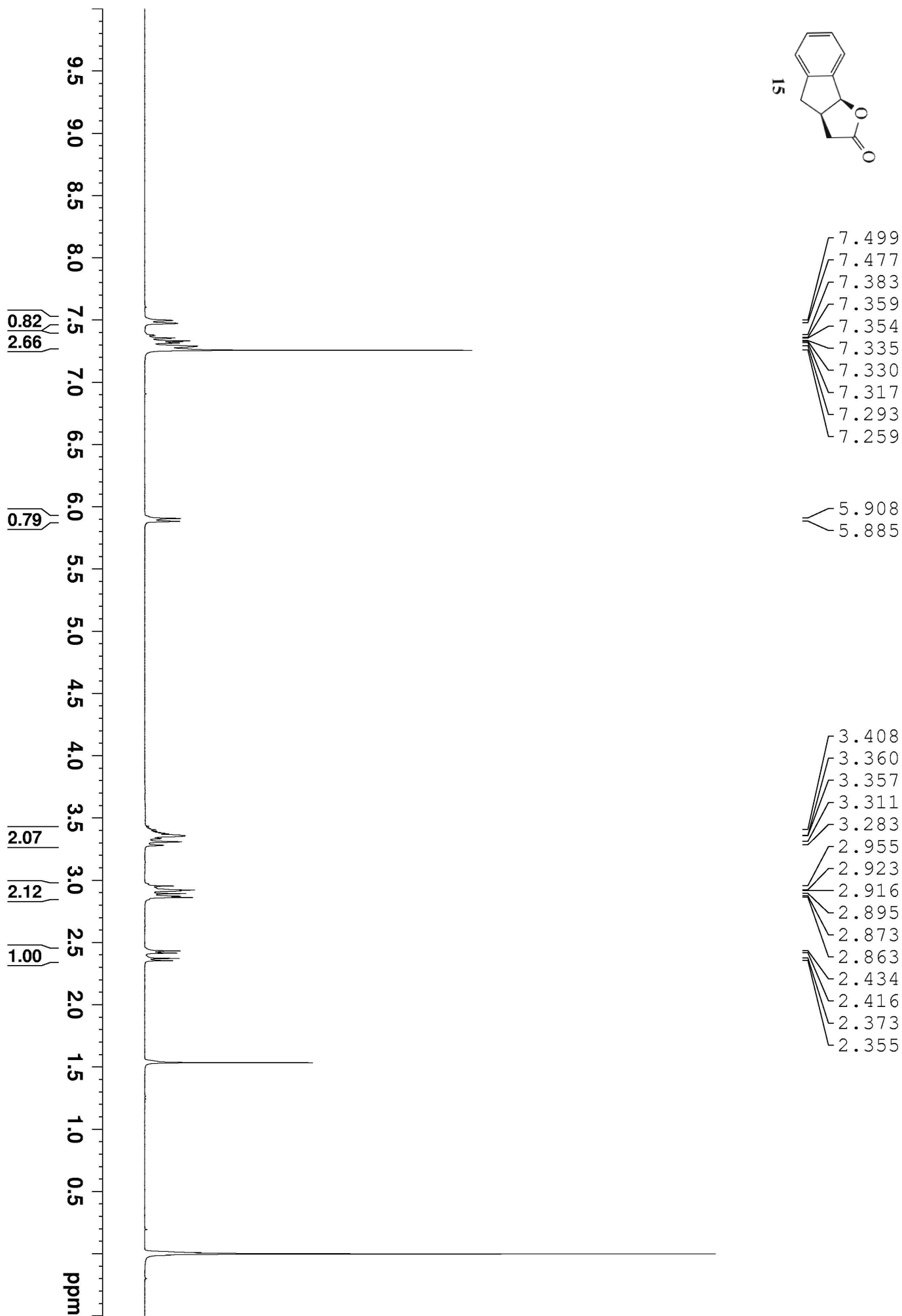
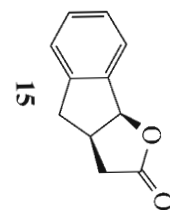


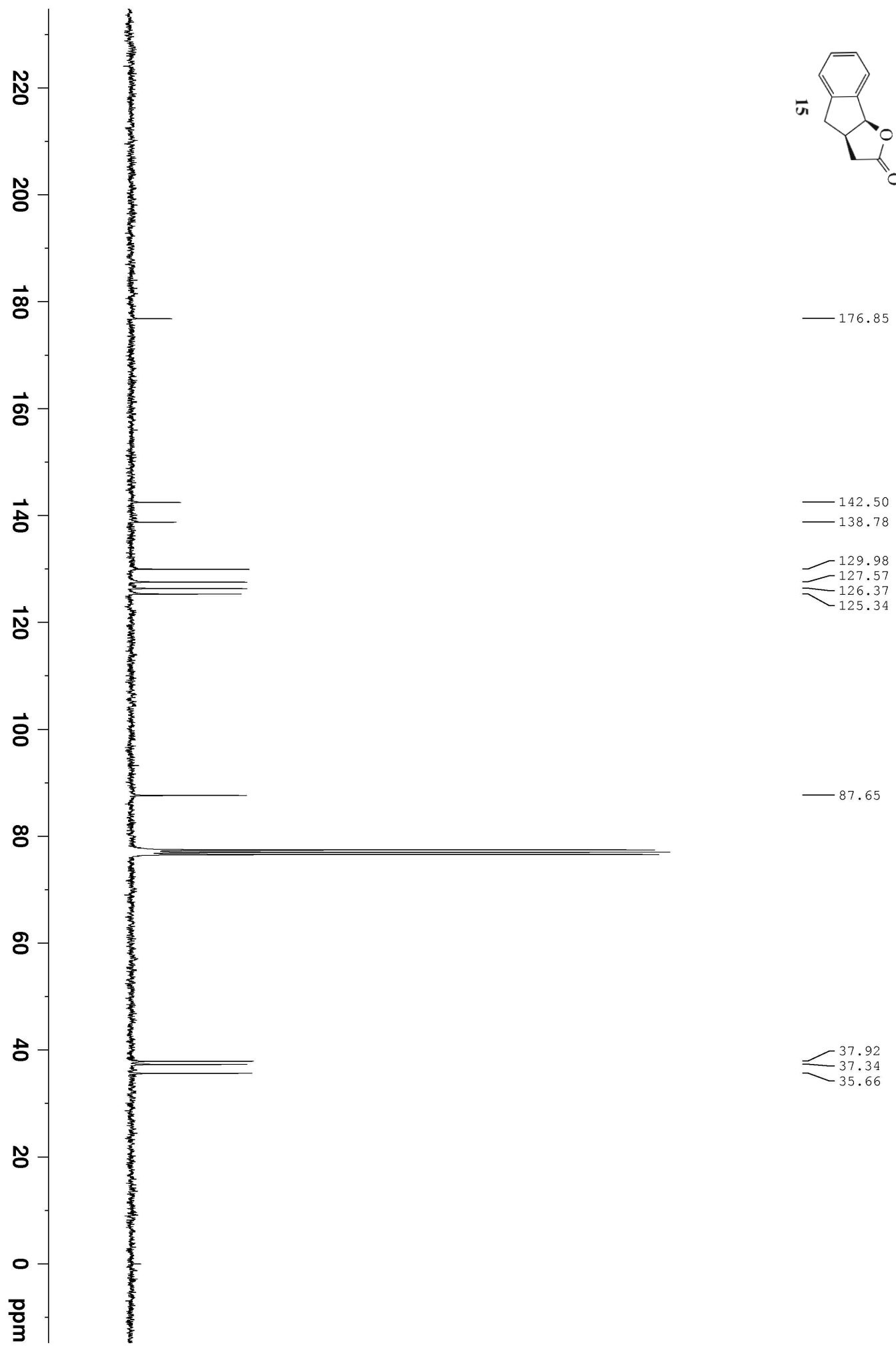
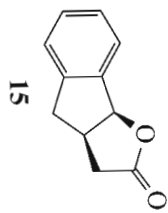
$^{13}\text{C}\{^1\text{H}\}$

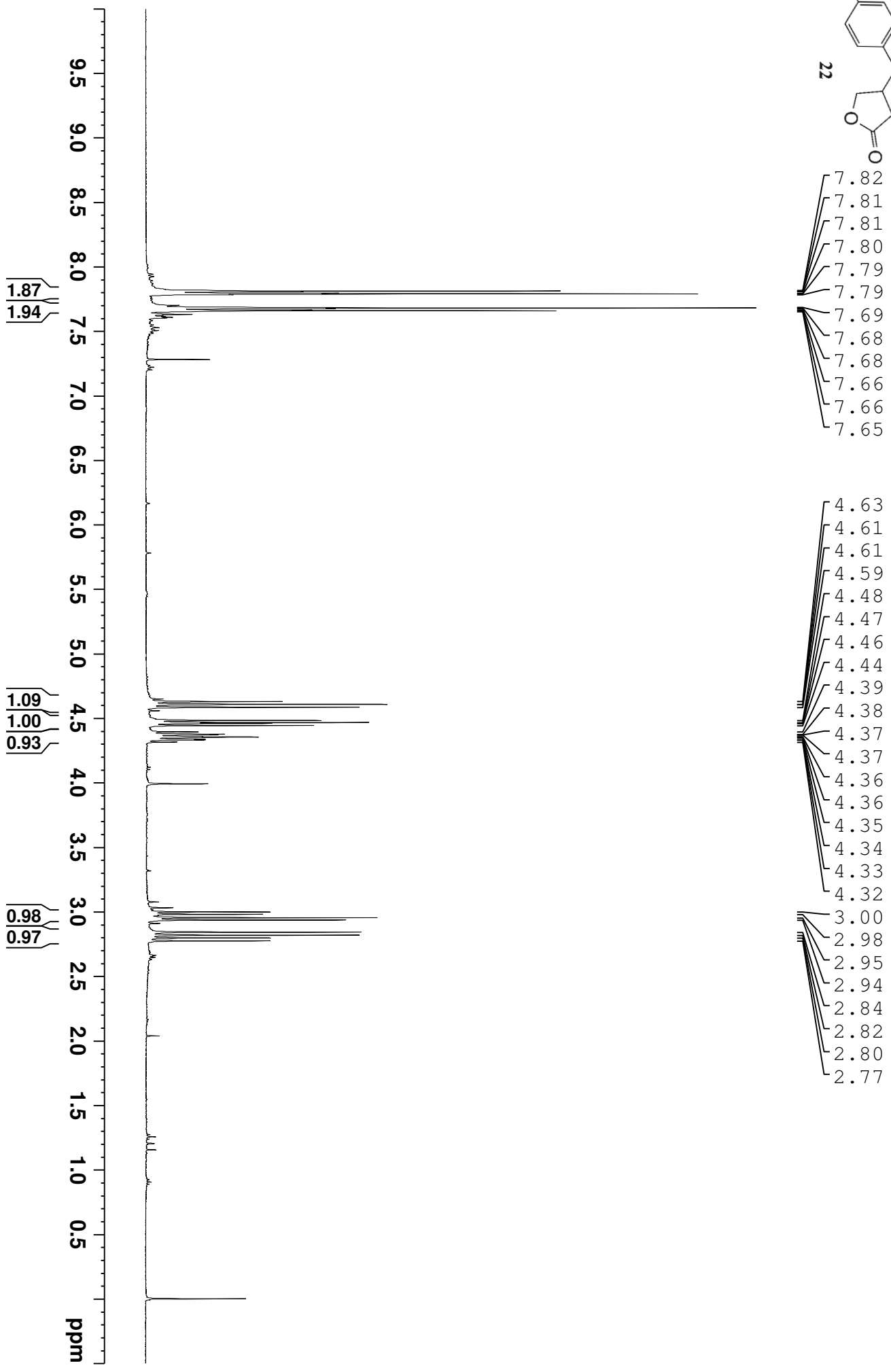
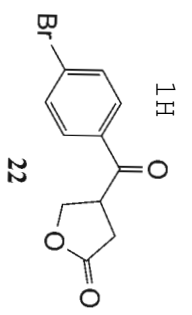




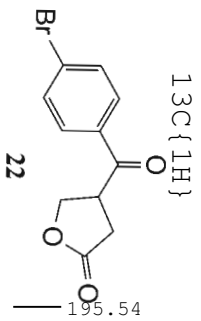












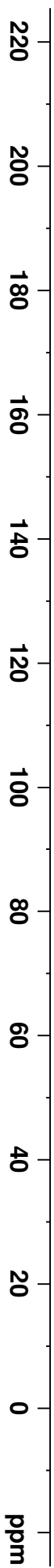
175.21

133.61  
132.51  
129.97  
129.63

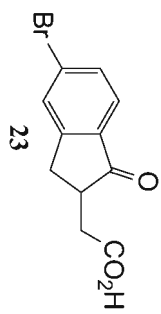
68.85

42.06

30.83

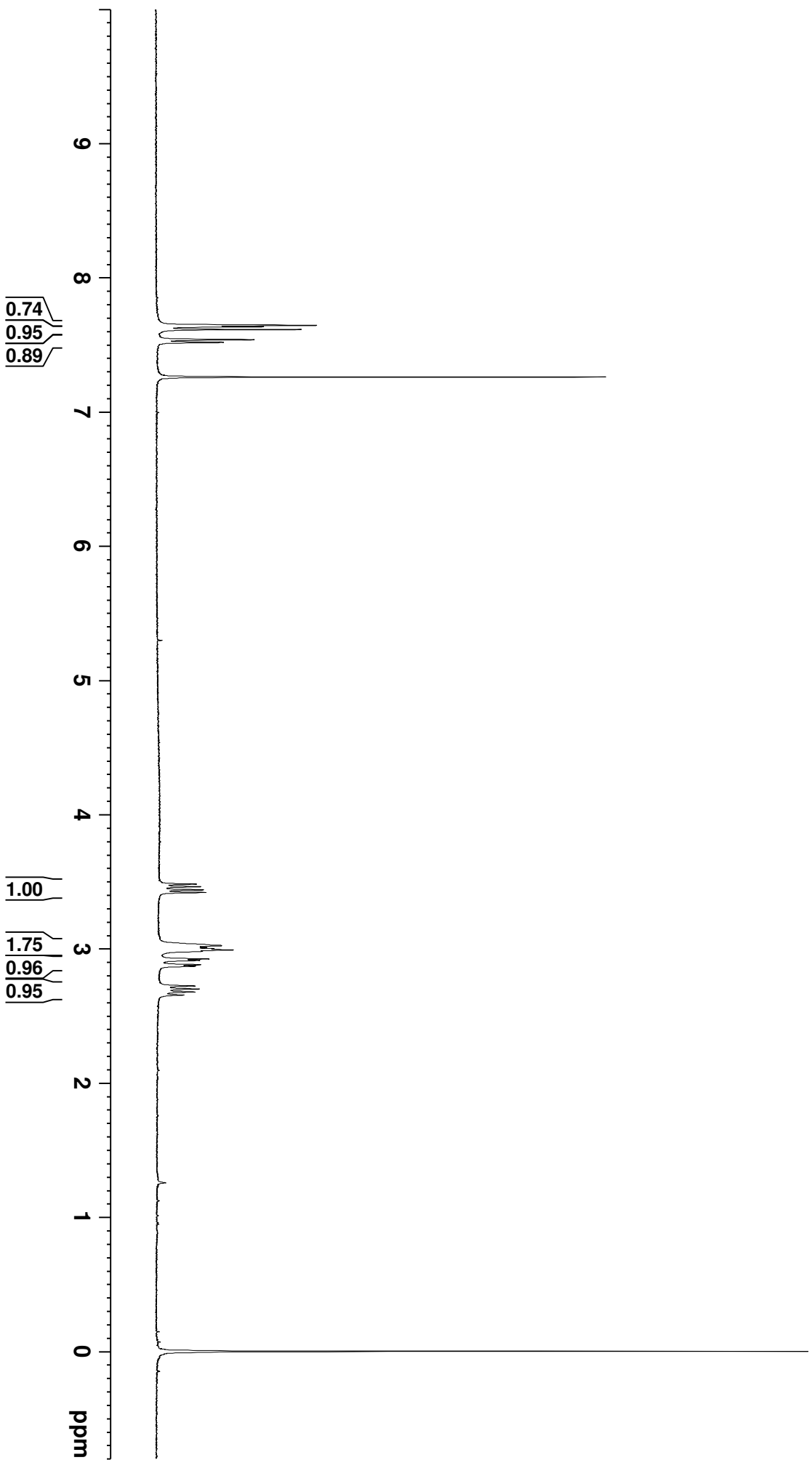


<sup>1</sup>H

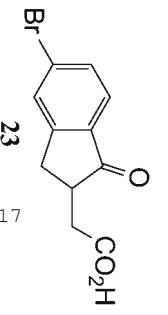


7.65  
7.64  
7.61  
7.54  
7.52

3.48  
3.46  
3.44  
3.42  
3.02  
2.99  
2.92  
2.91  
2.88  
2.87  
2.72  
2.70  
2.68  
2.66

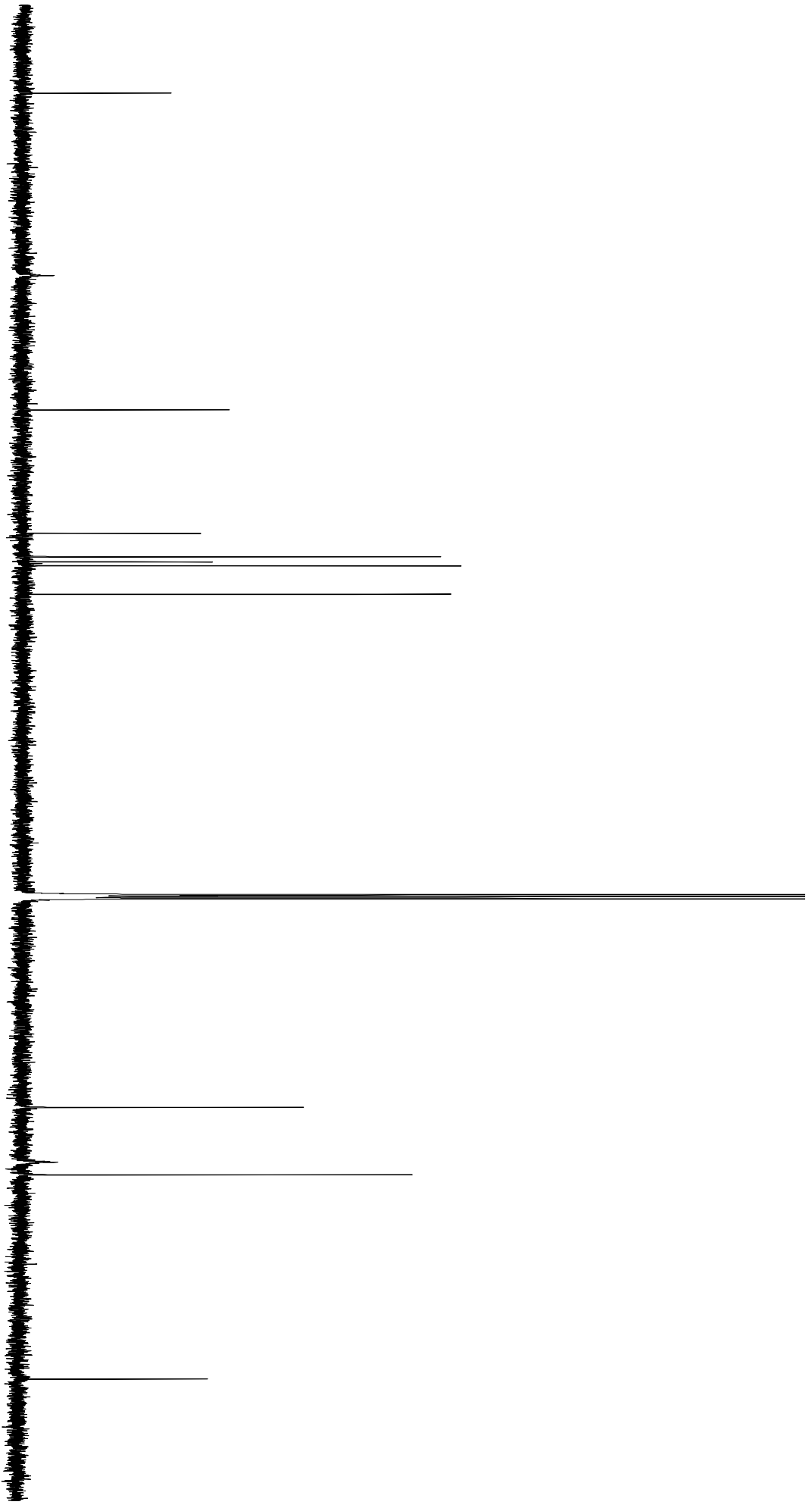


$^{13}\text{C}\{^1\text{H}\}$

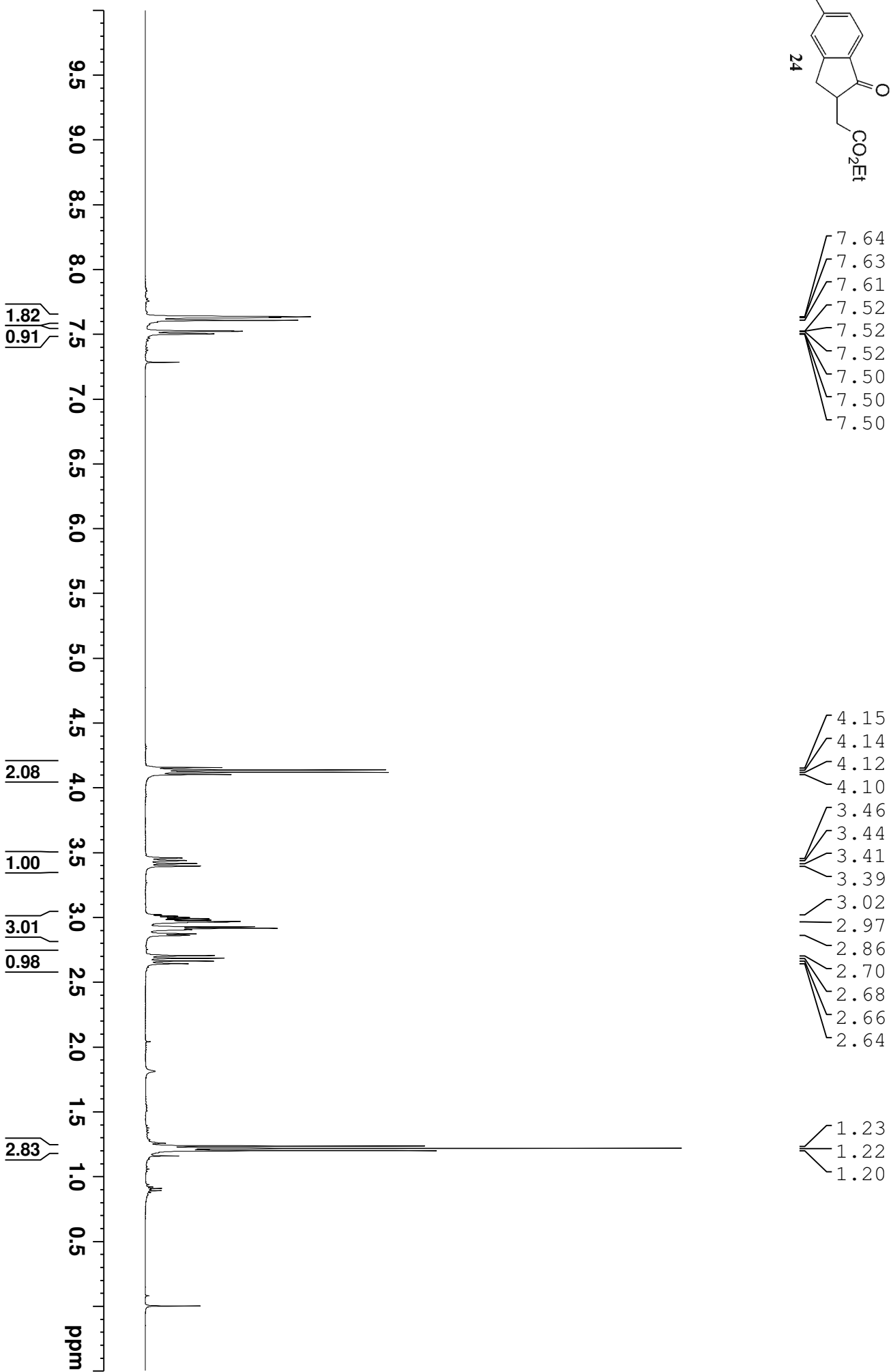
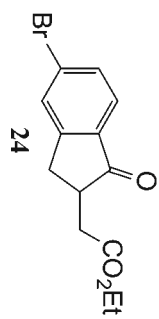


- 205.31
- 176.17
- 154.74
- 135.00
- 131.29
- 130.47
- 129.82
- 125.29
- 43.38
- 34.62
- 32.60

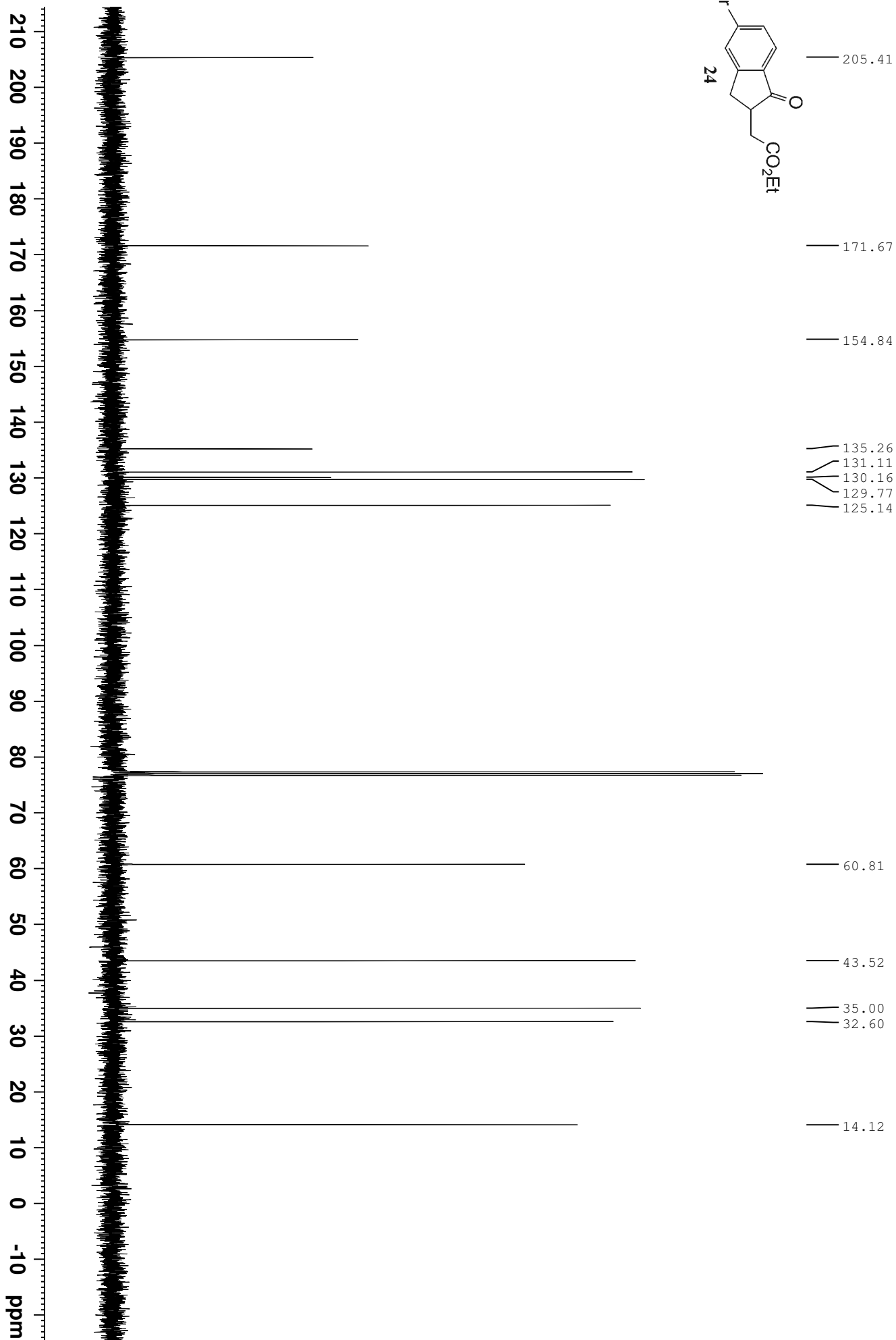
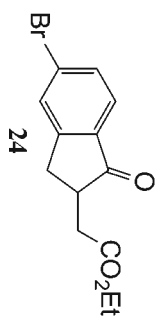
210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 ppm



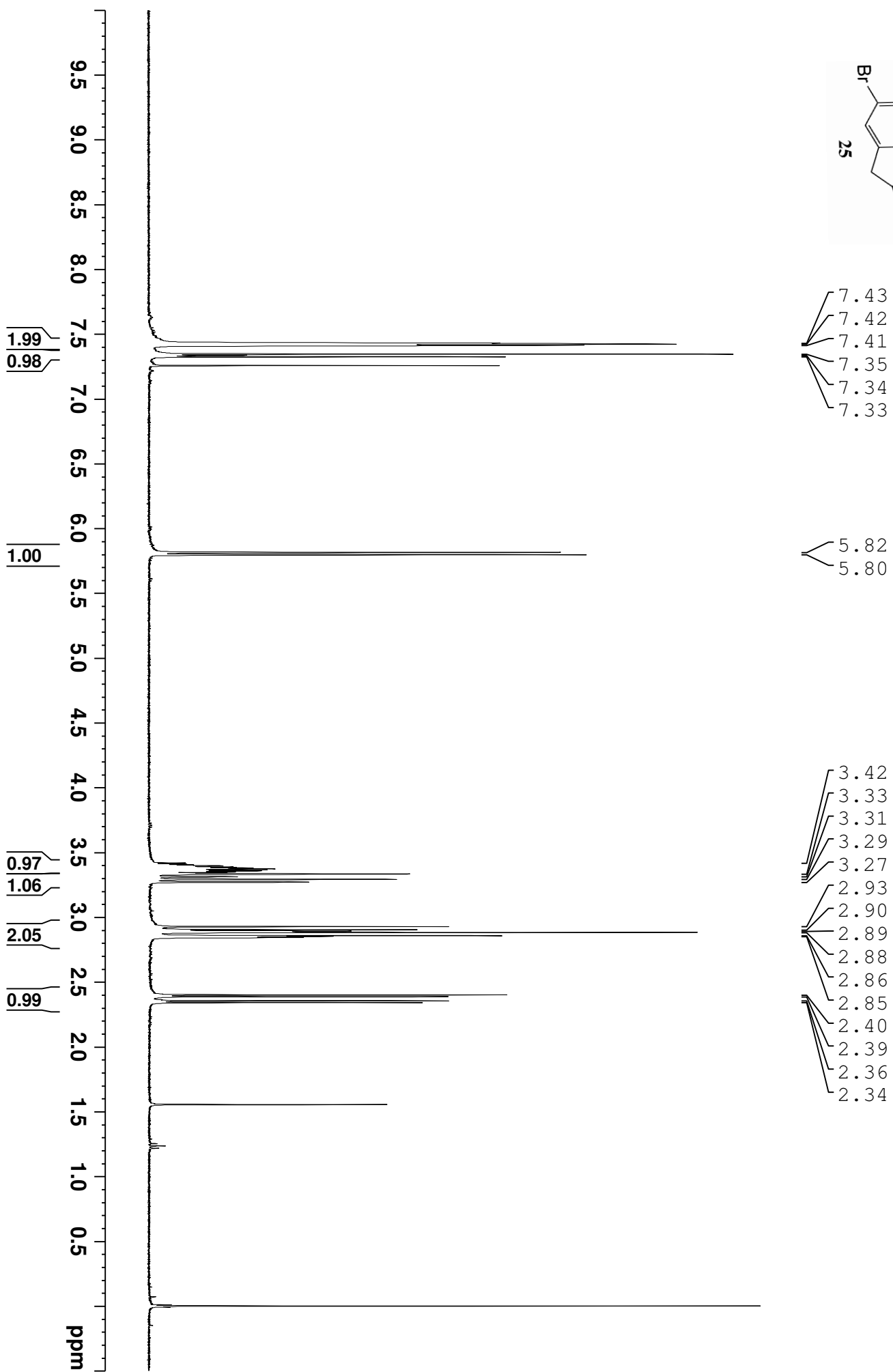
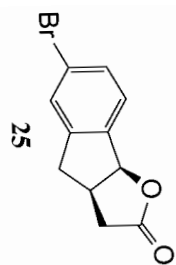
<sup>1</sup>H



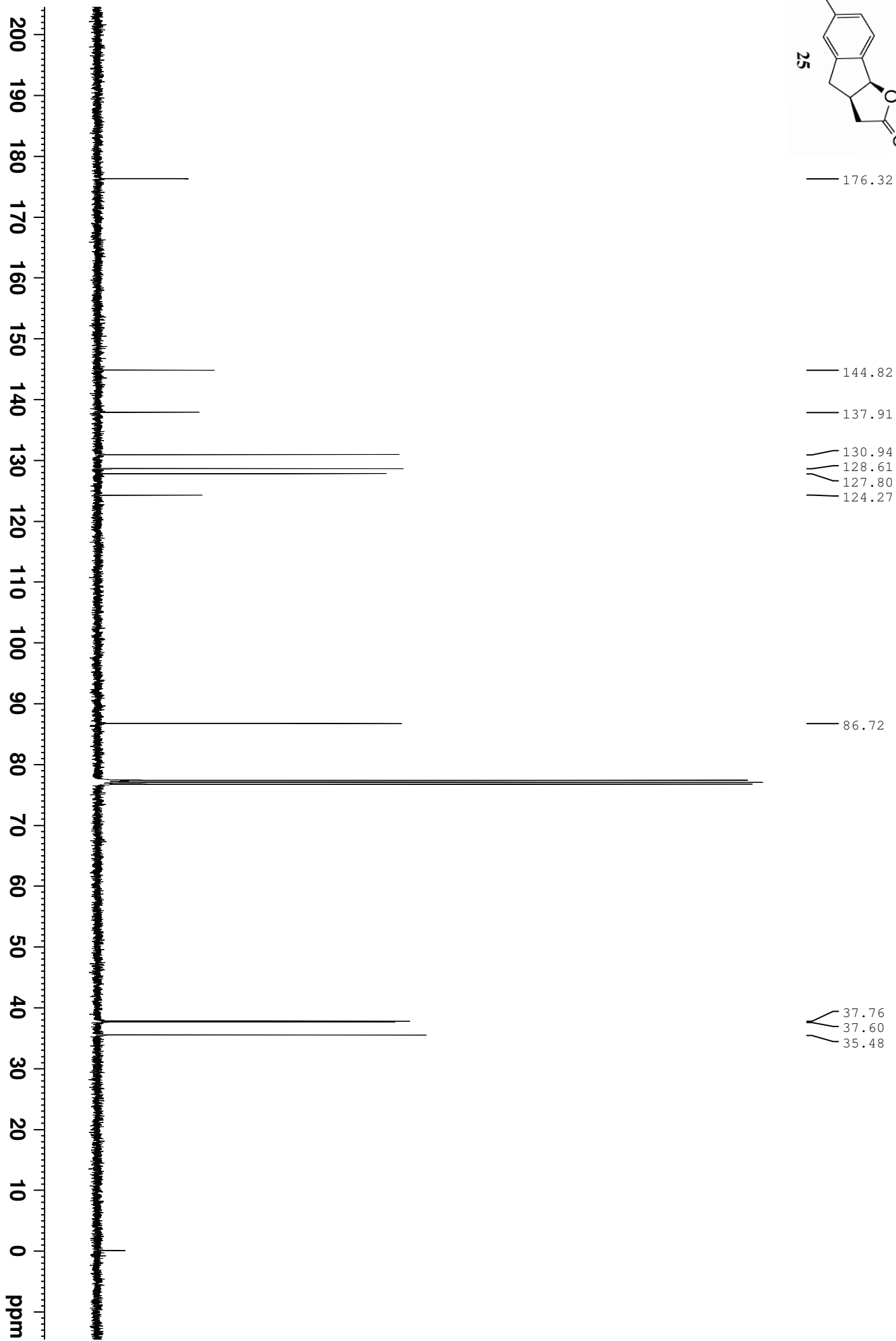
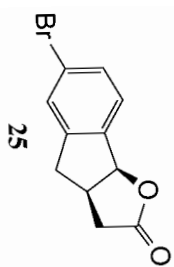
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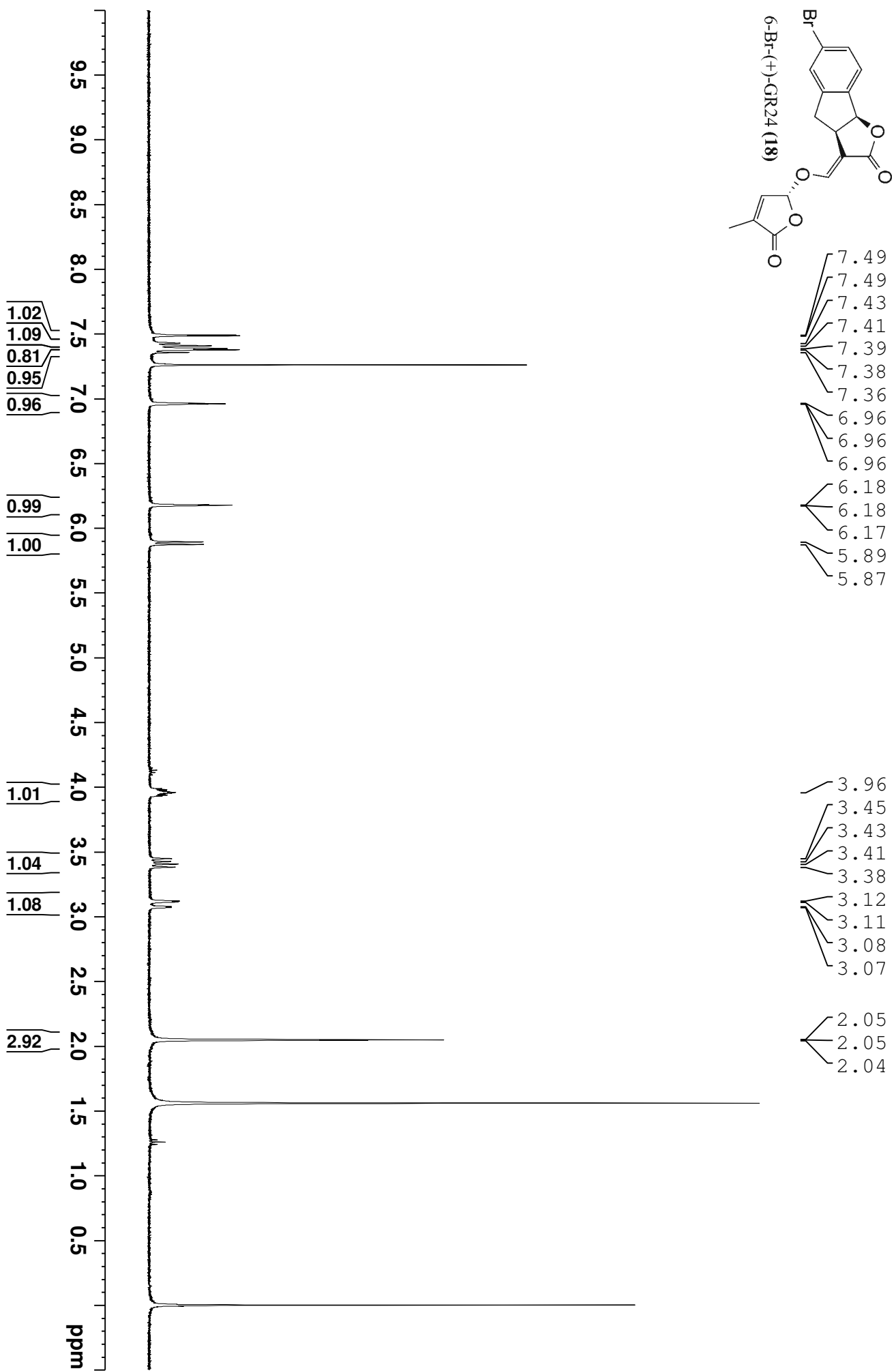


<sup>1</sup>H



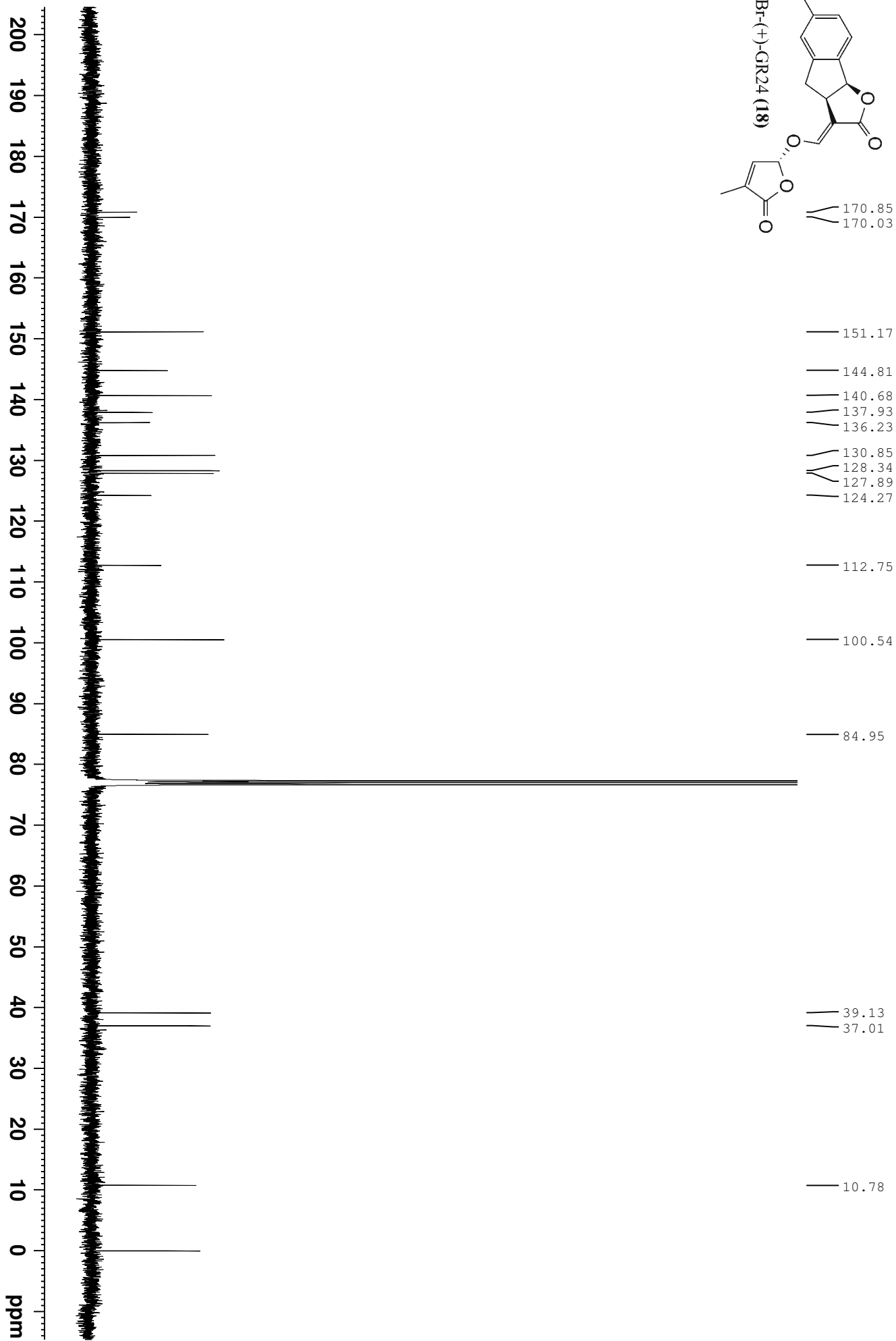
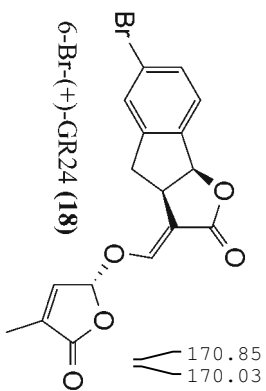
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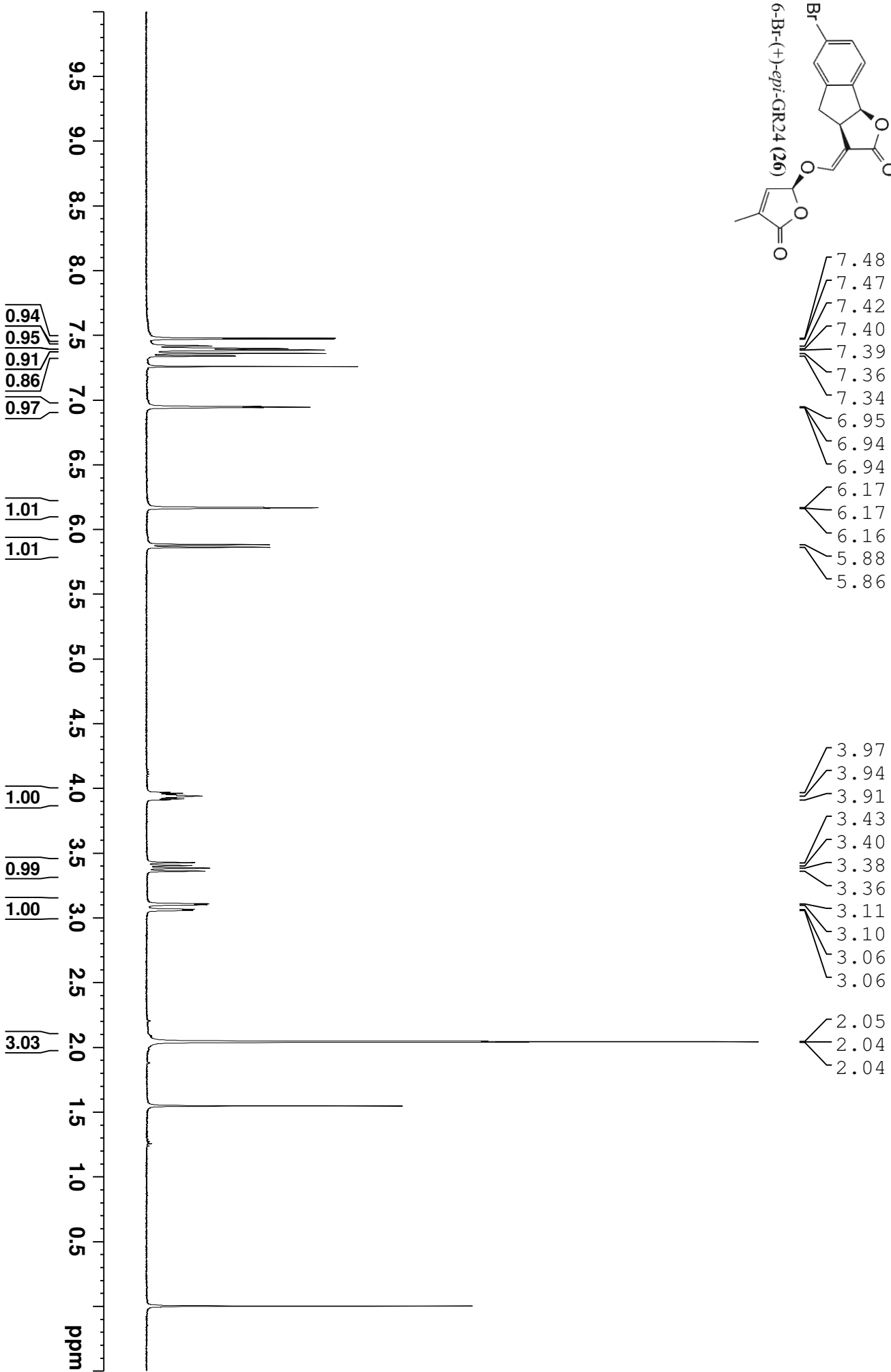
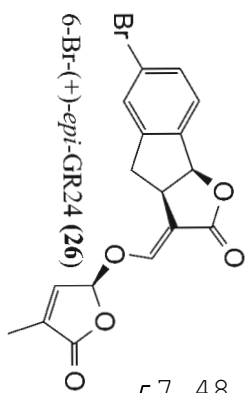






$^{13}\text{C}\{^1\text{H}\}$





$^{13}\text{C}\{^1\text{H}\}$

