

Supporting Information

Site-selective gold(I) catalyzed synthesis of 1,3-dioxin-3 ones via cascade reaction

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^a Dipartimento di Chimica "Giacomo Ciamician", Alma Mater Studiorum – Università di Bologna, via Selmi 2, 40126, Bologna, Italy.

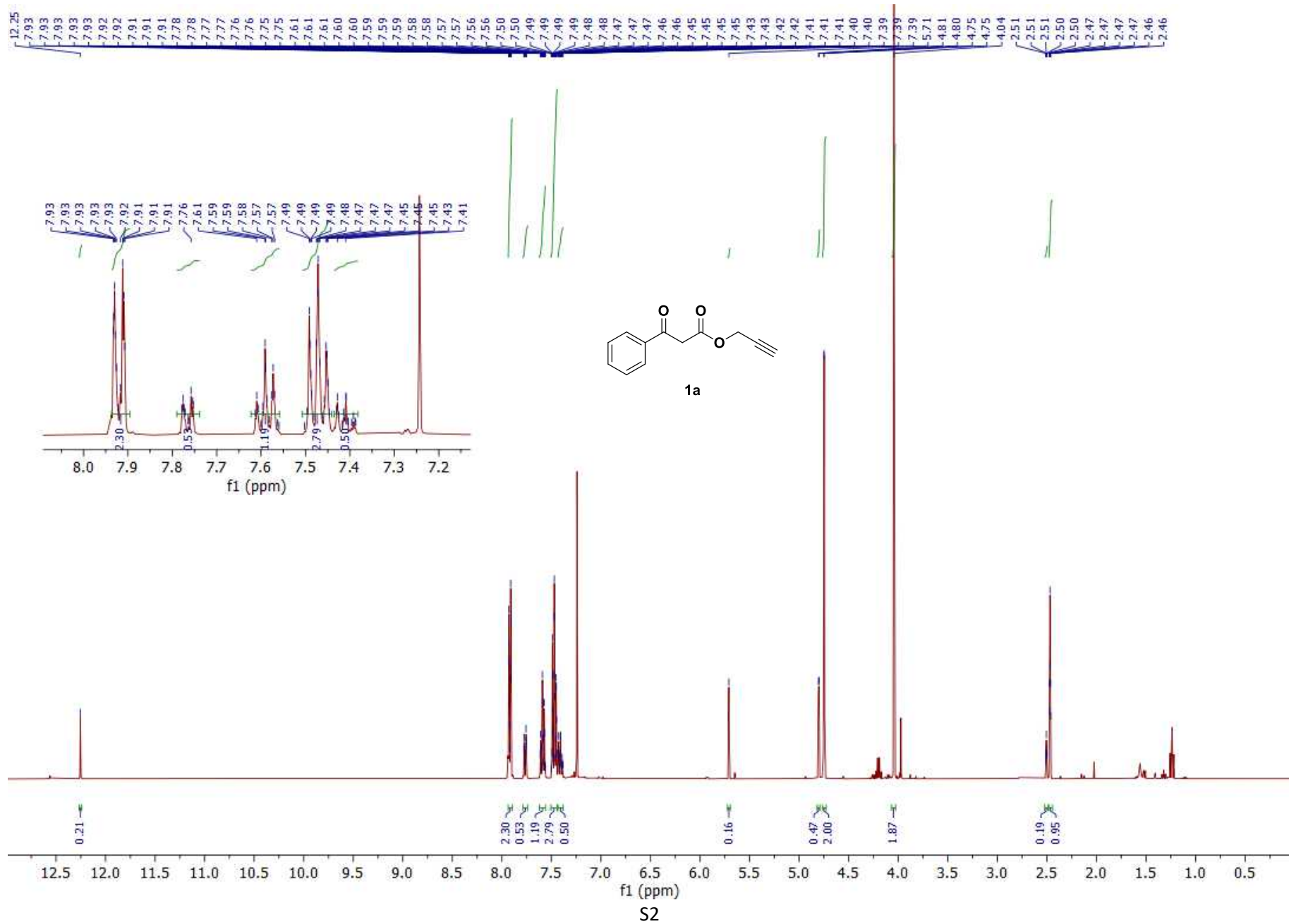
^b Departamento de Química Orgánica, Universidade de Vigo, AS Lagoas (Marcosende) s/n, 36310 Vigo, Spain.

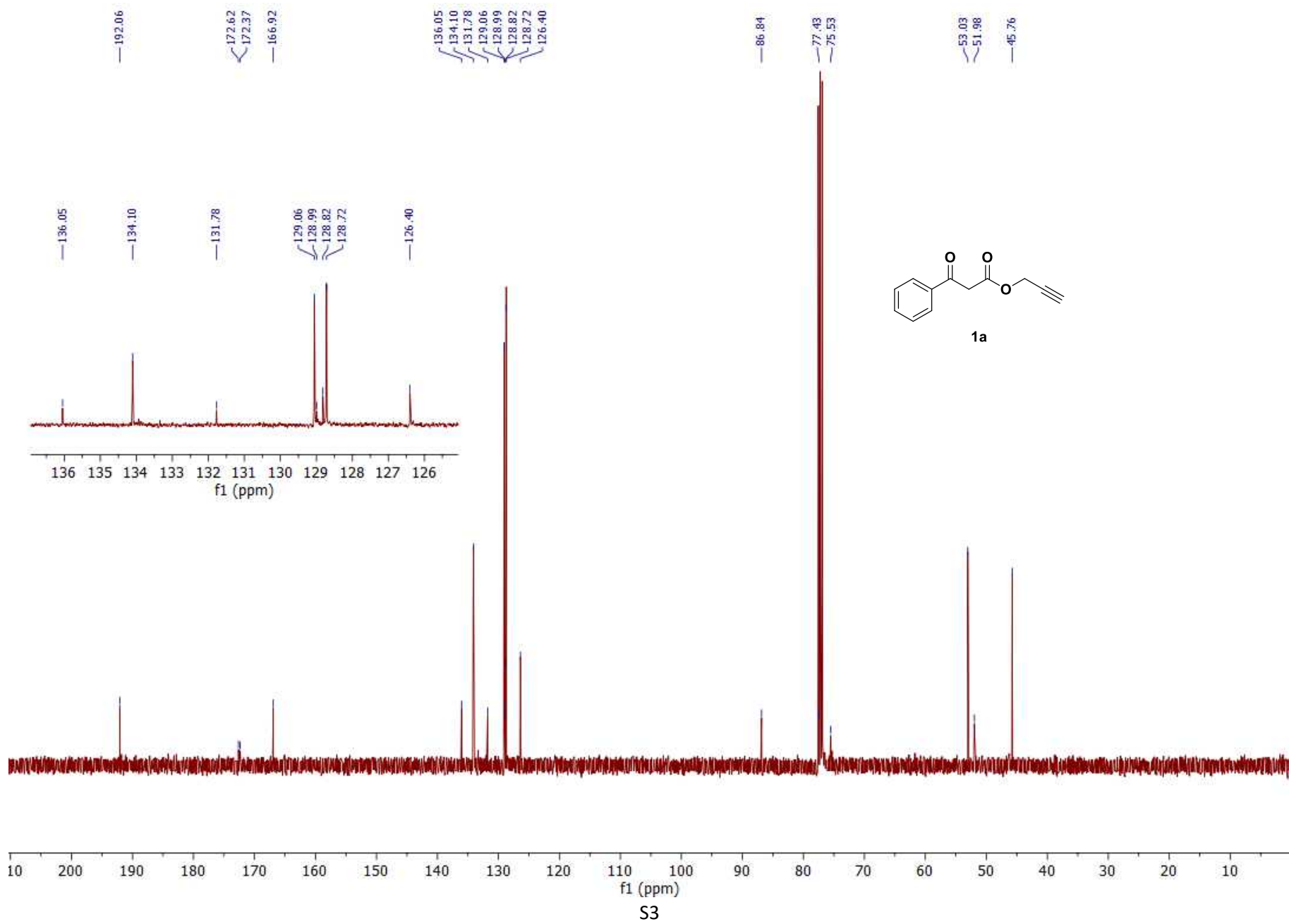
^c CITACA - Clúster de Investigación y Transferencia Agroalimentaria del Campus Auga, Universidad de Vigo, 32004-Ourense, Spain.

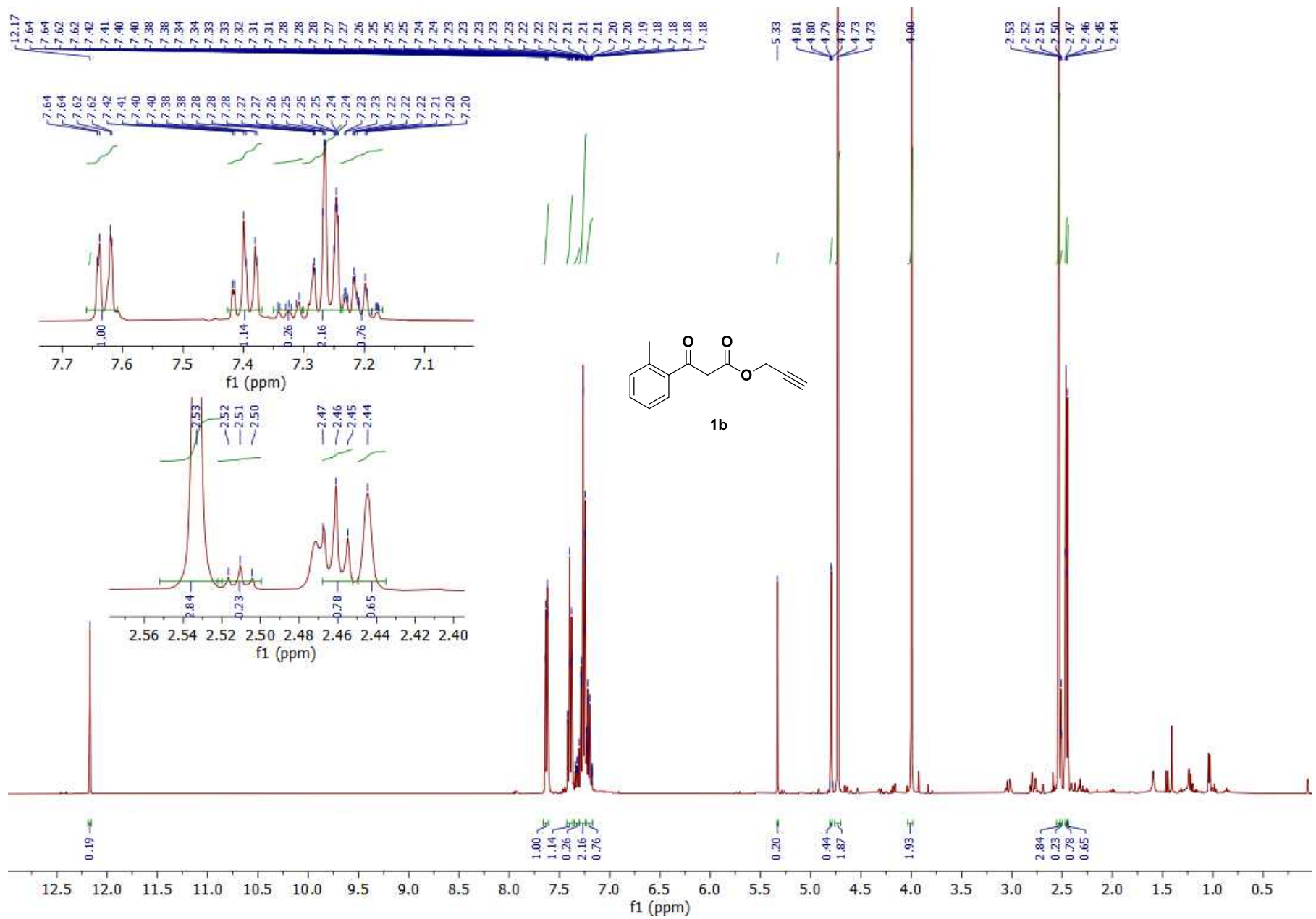
^d CINMPIS, via Selmi 2, 40126, Bologna, Italy.

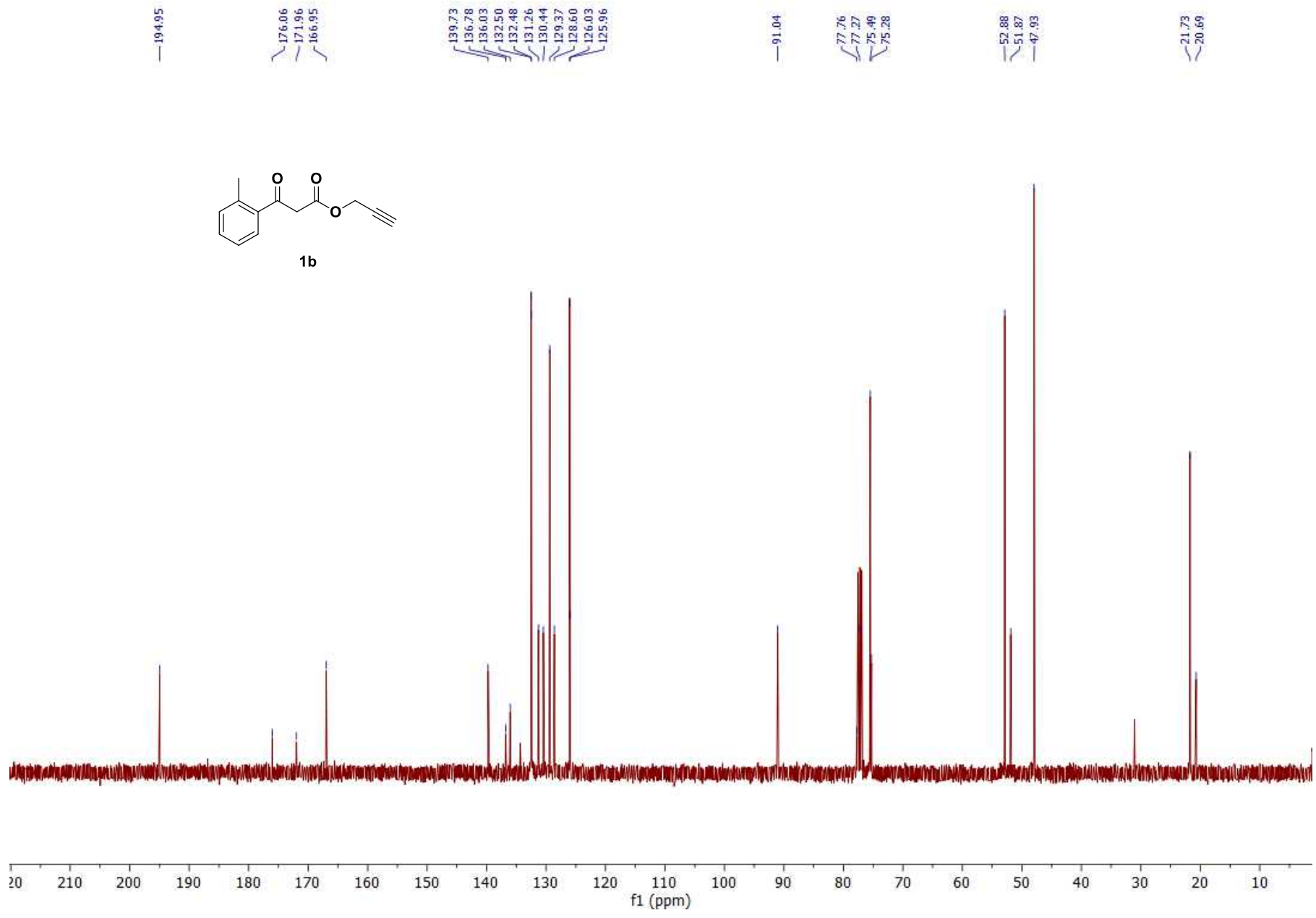
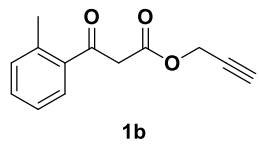
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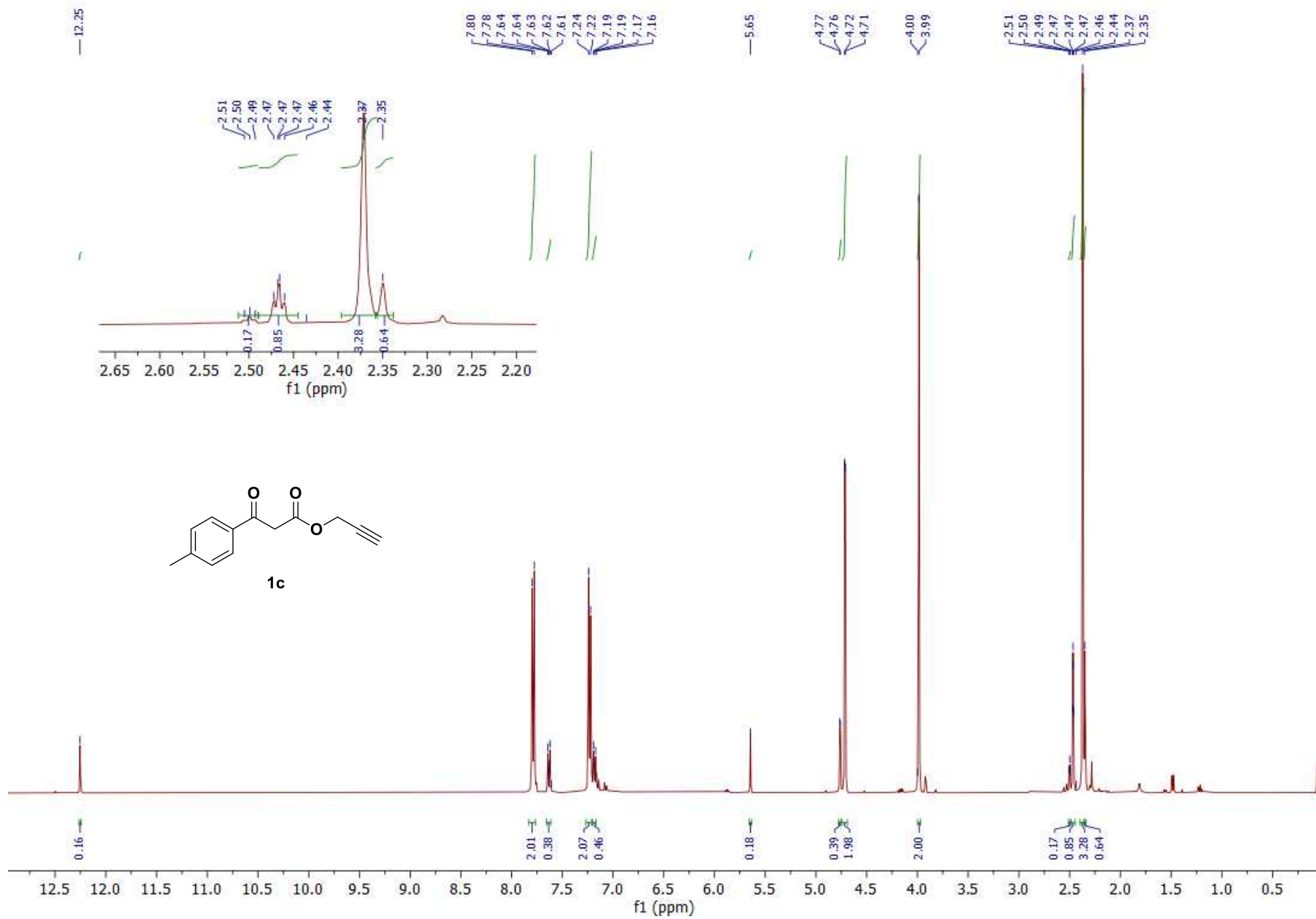


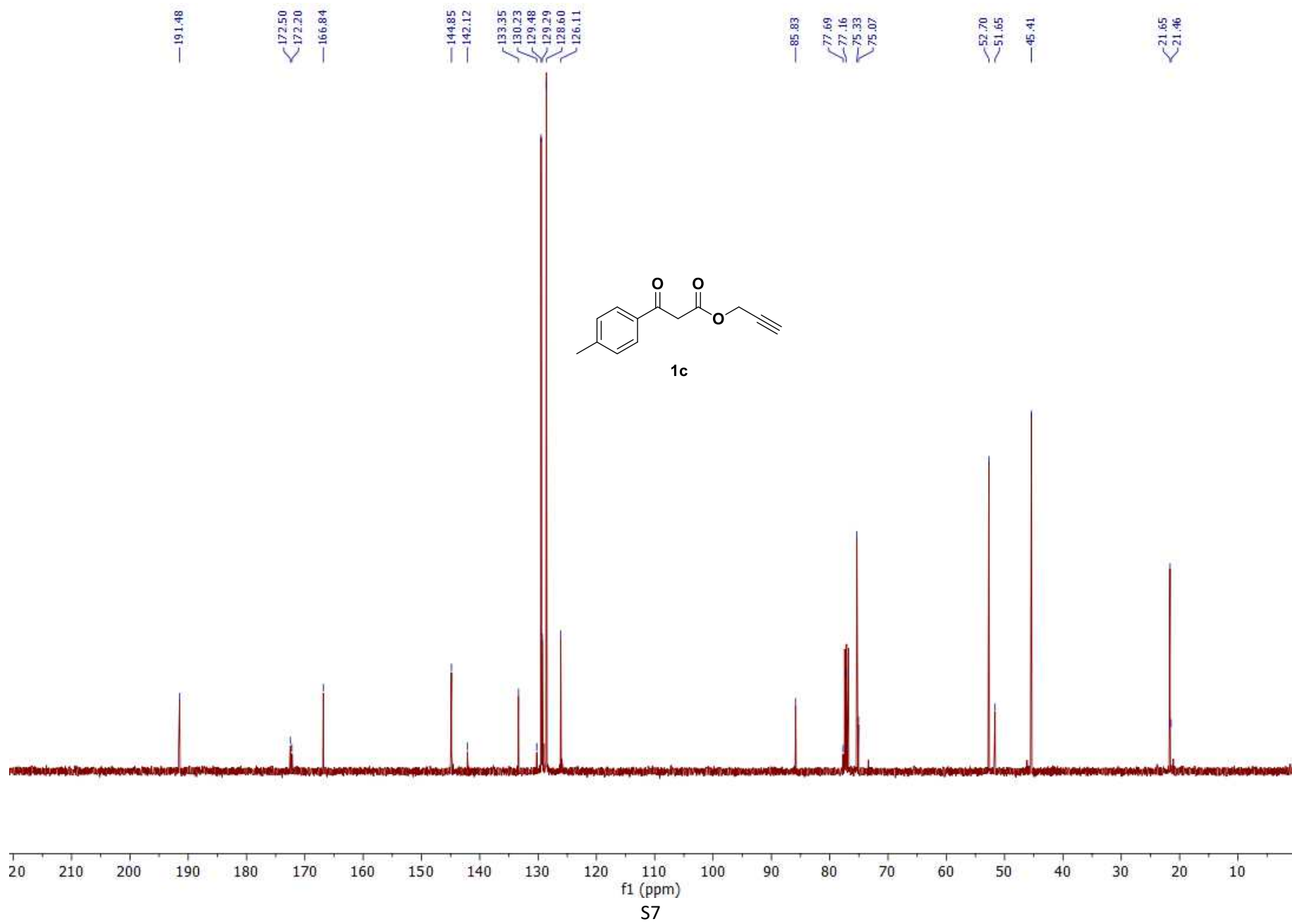


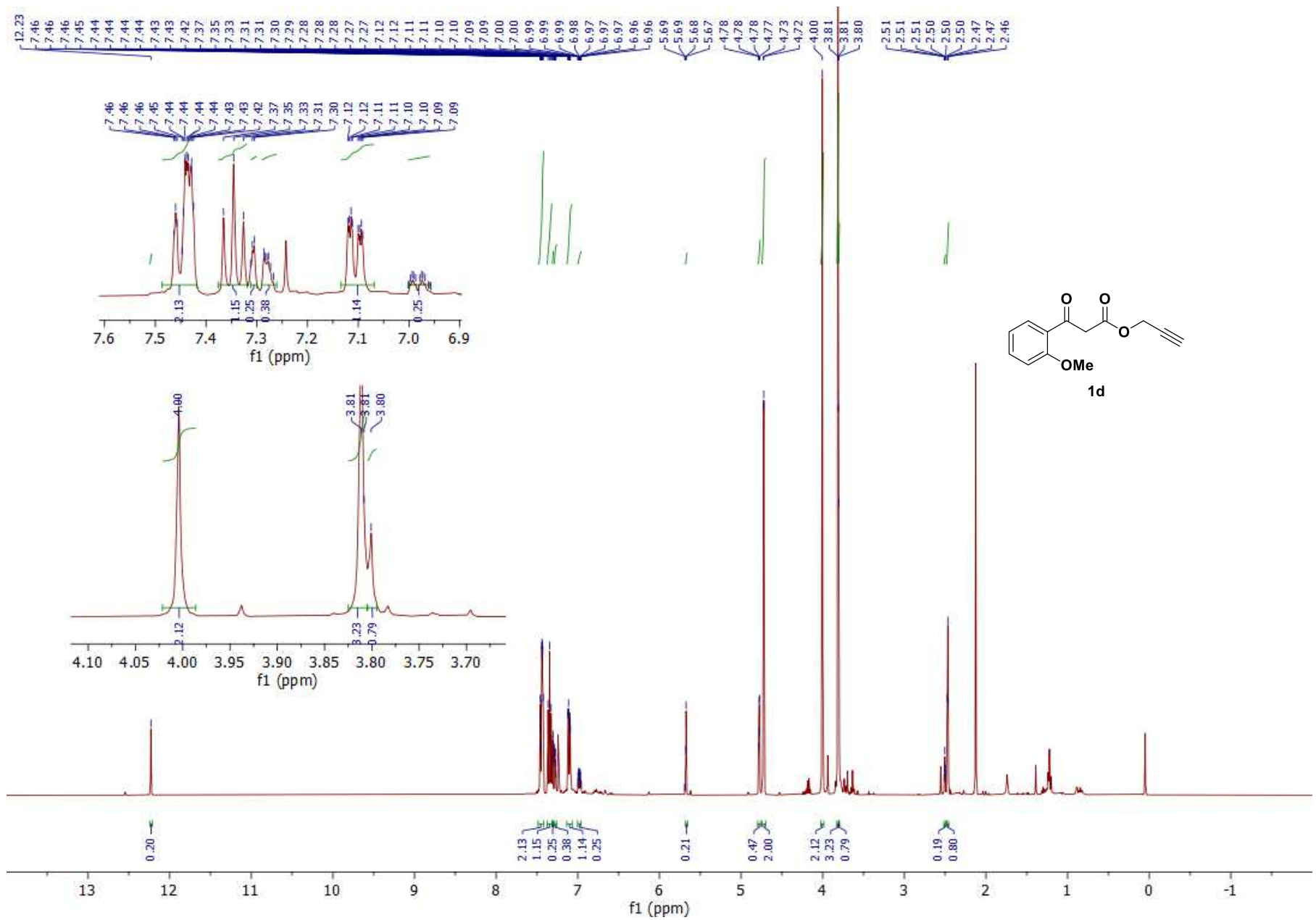


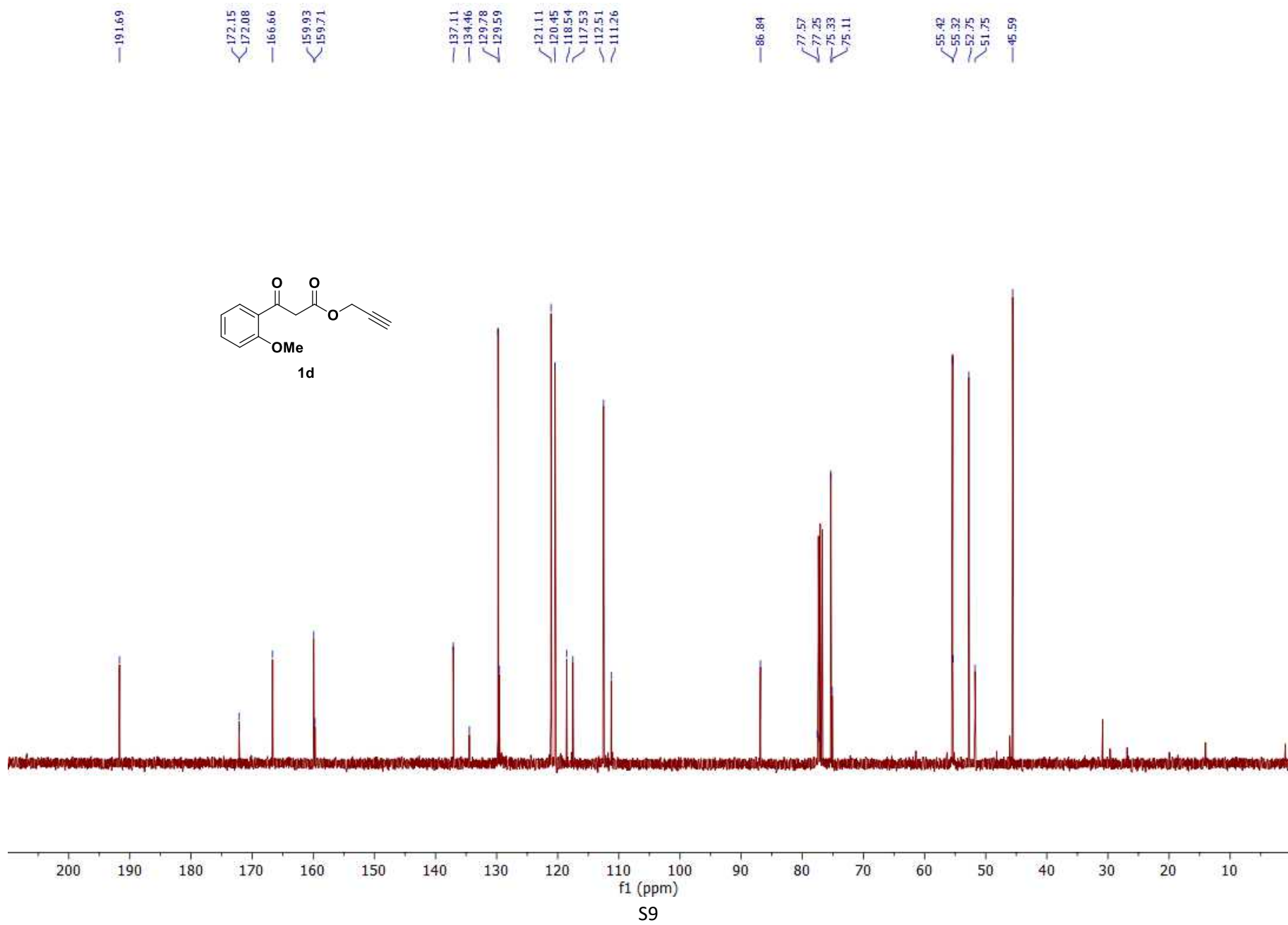
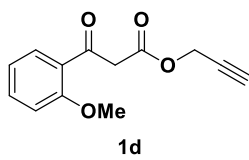


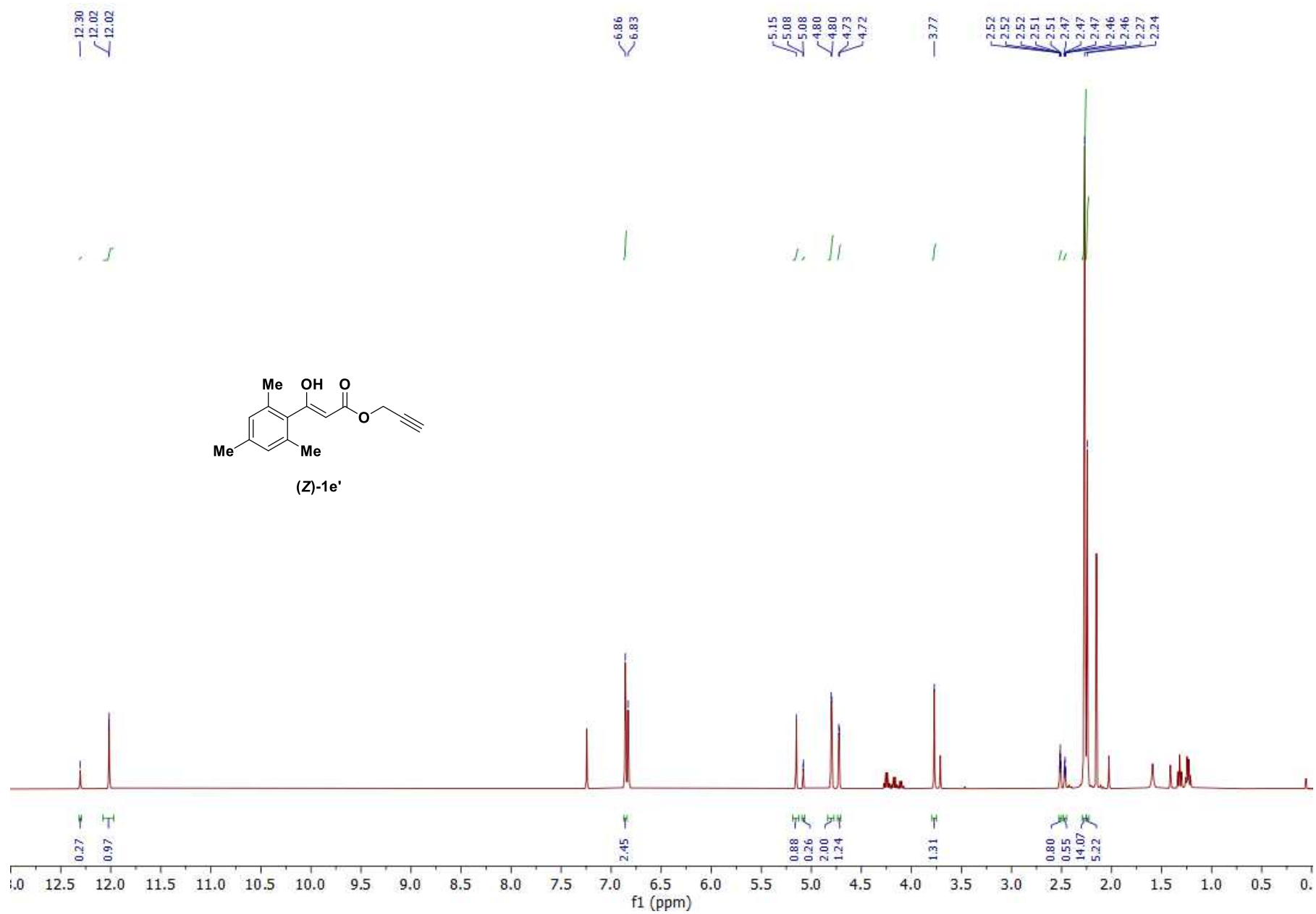
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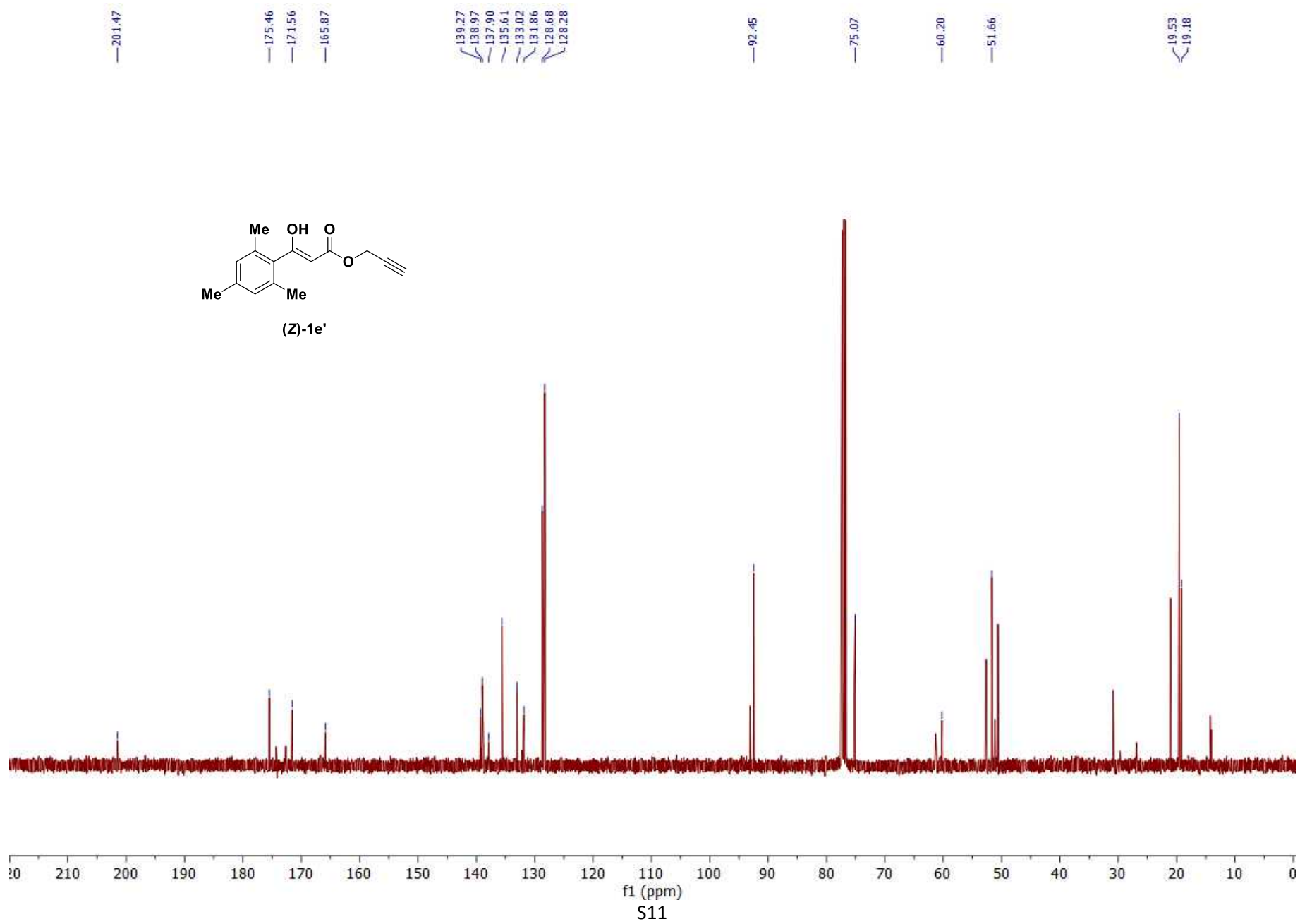
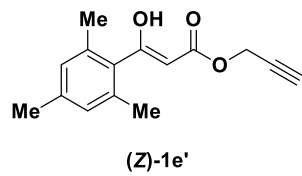


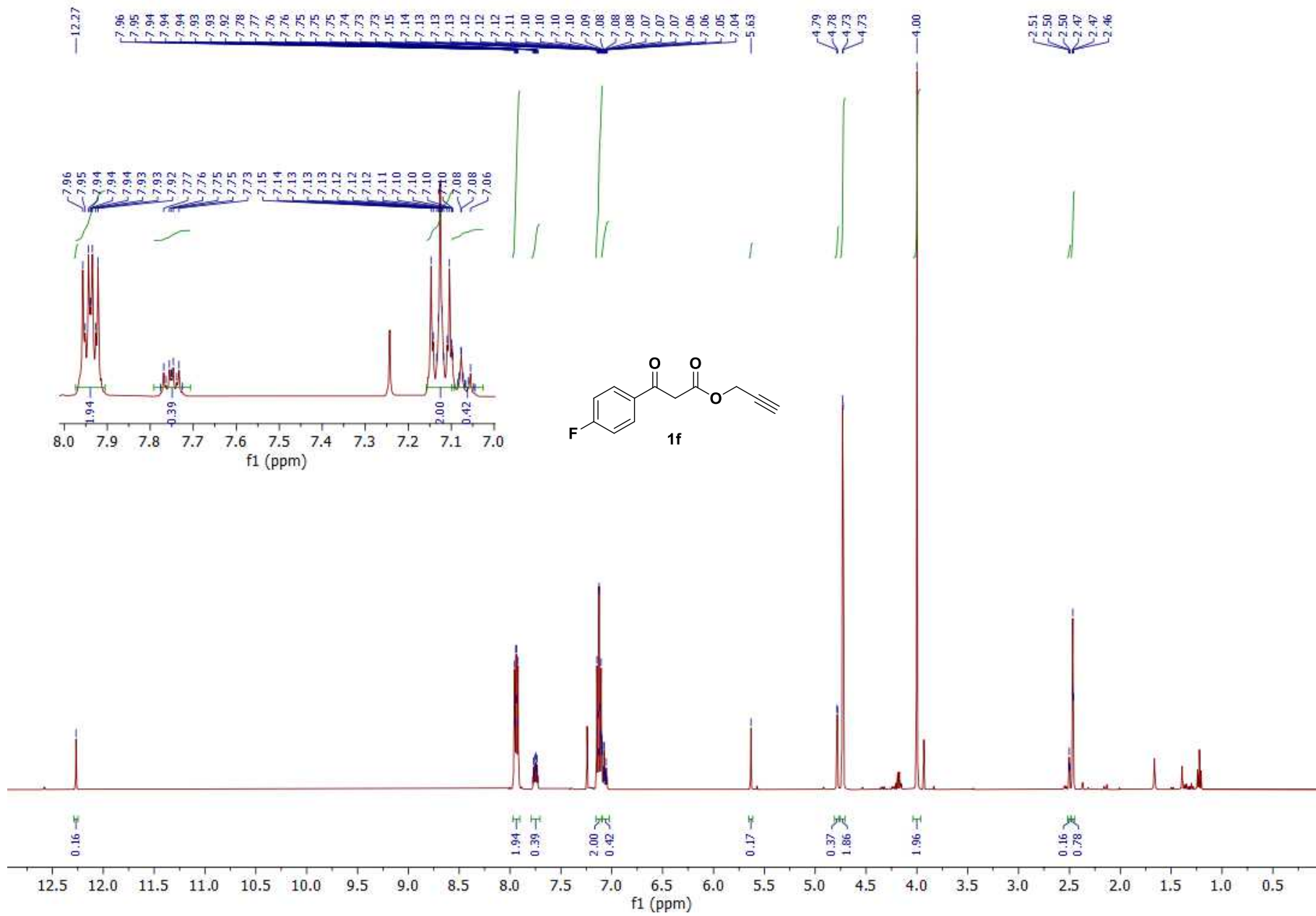


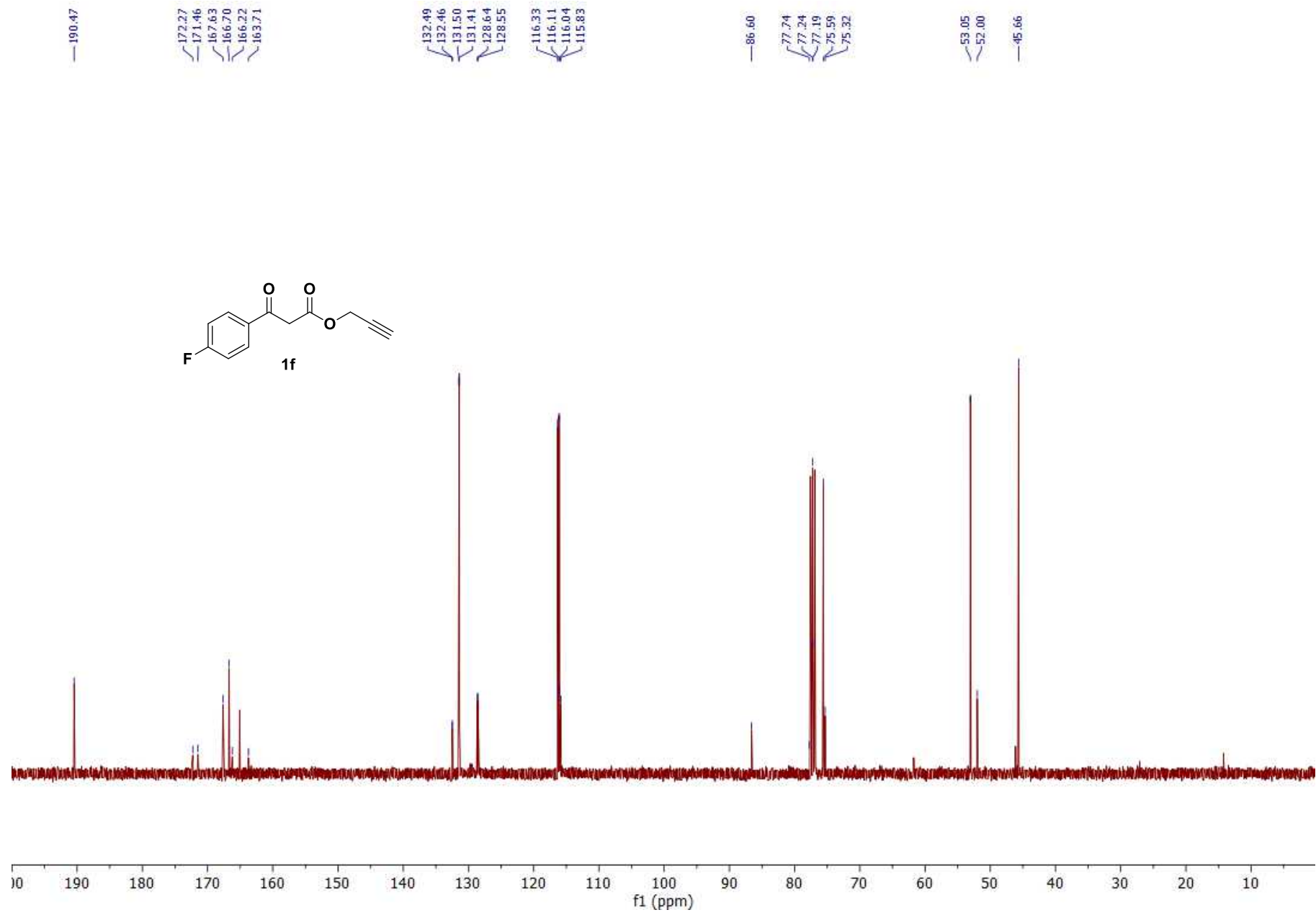
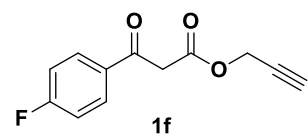


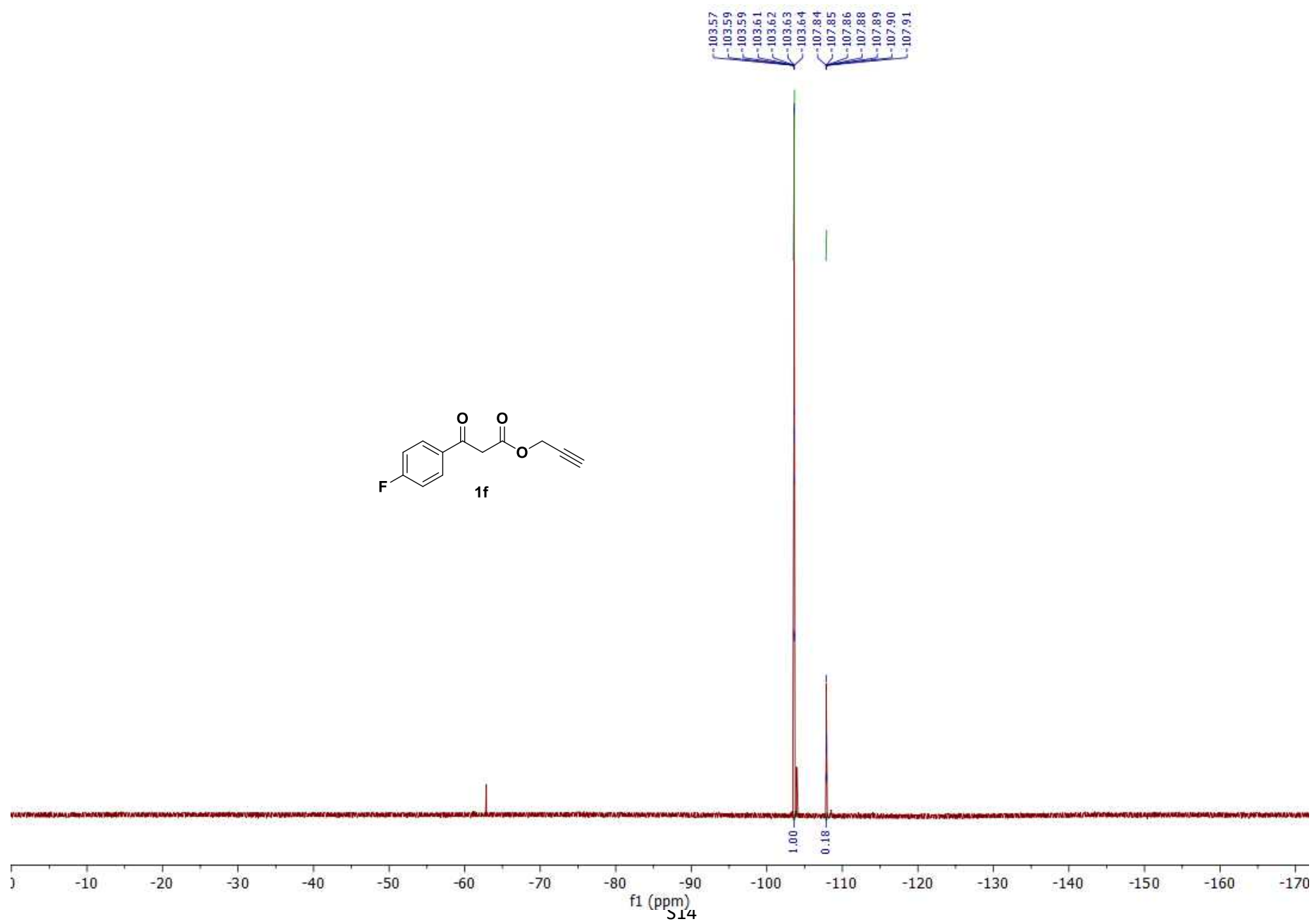
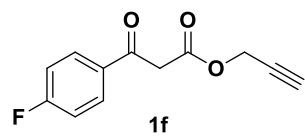


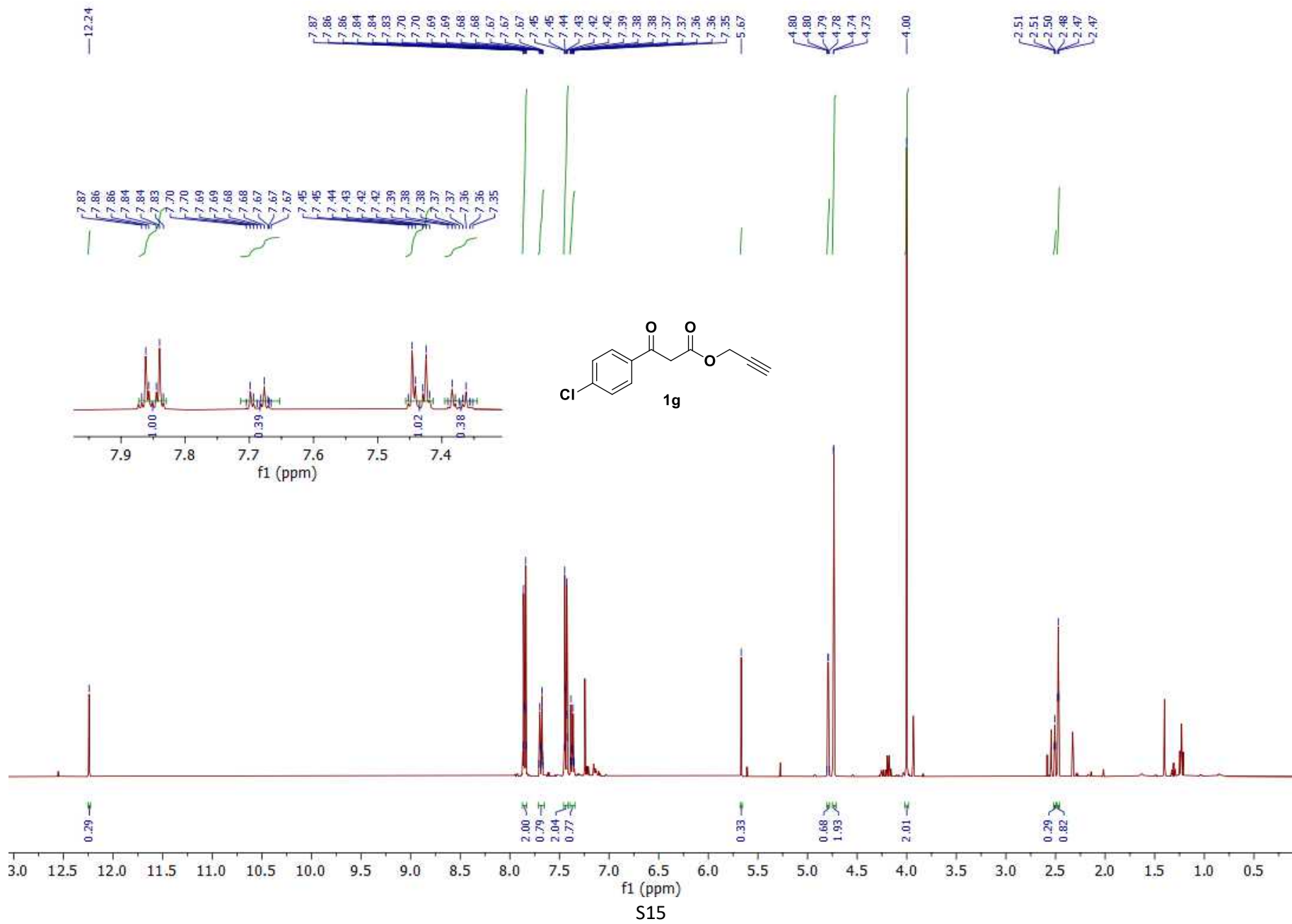


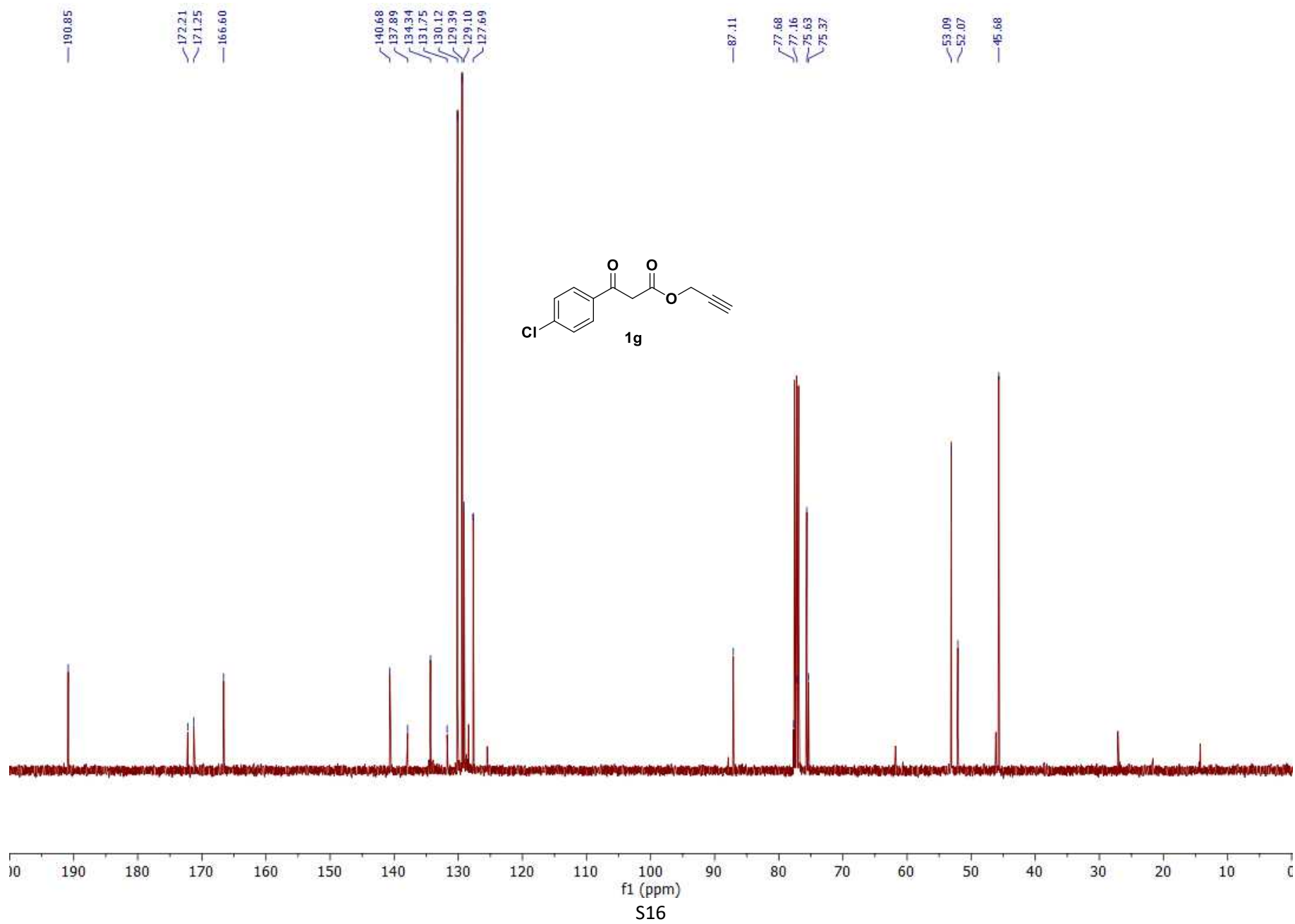


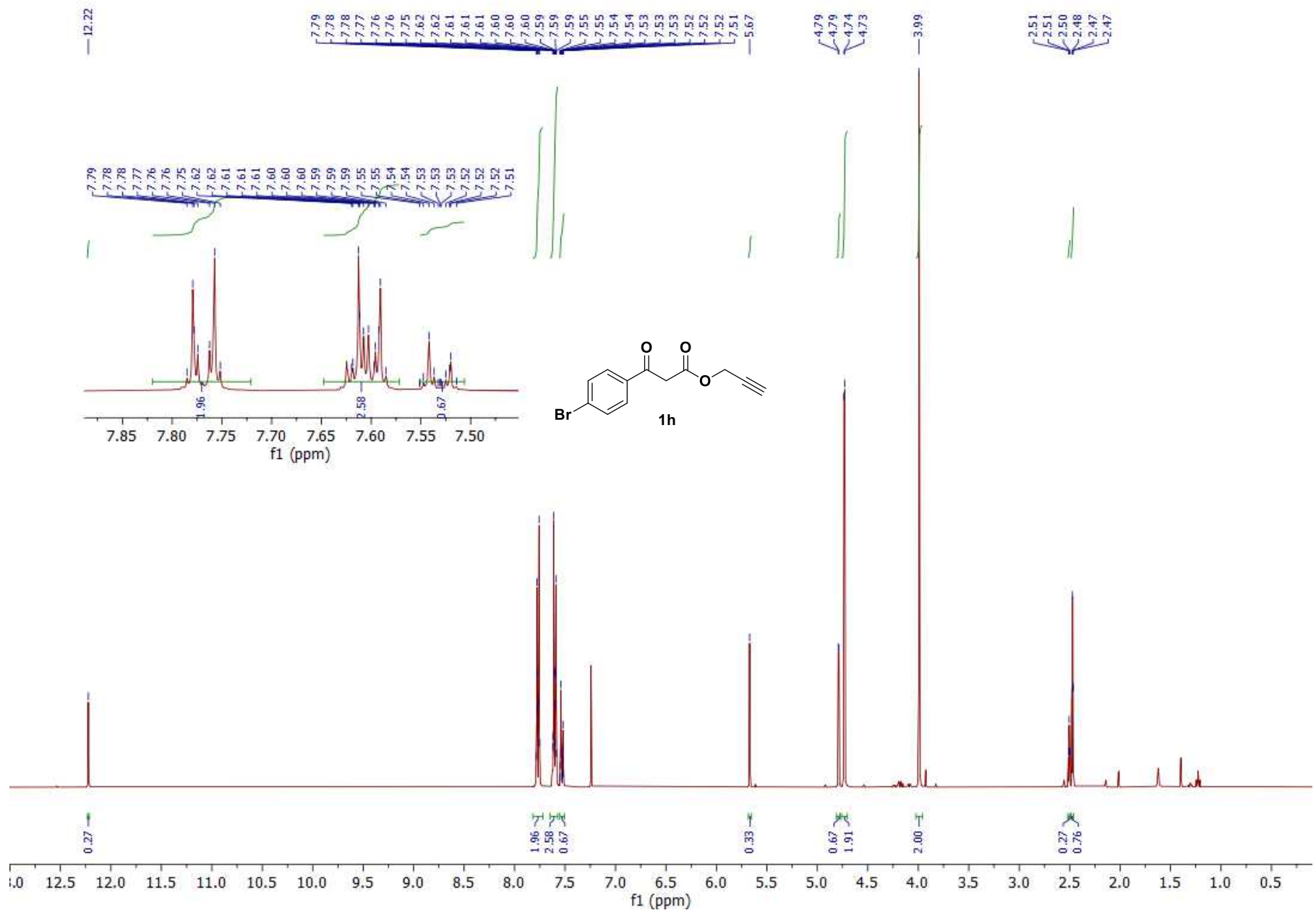


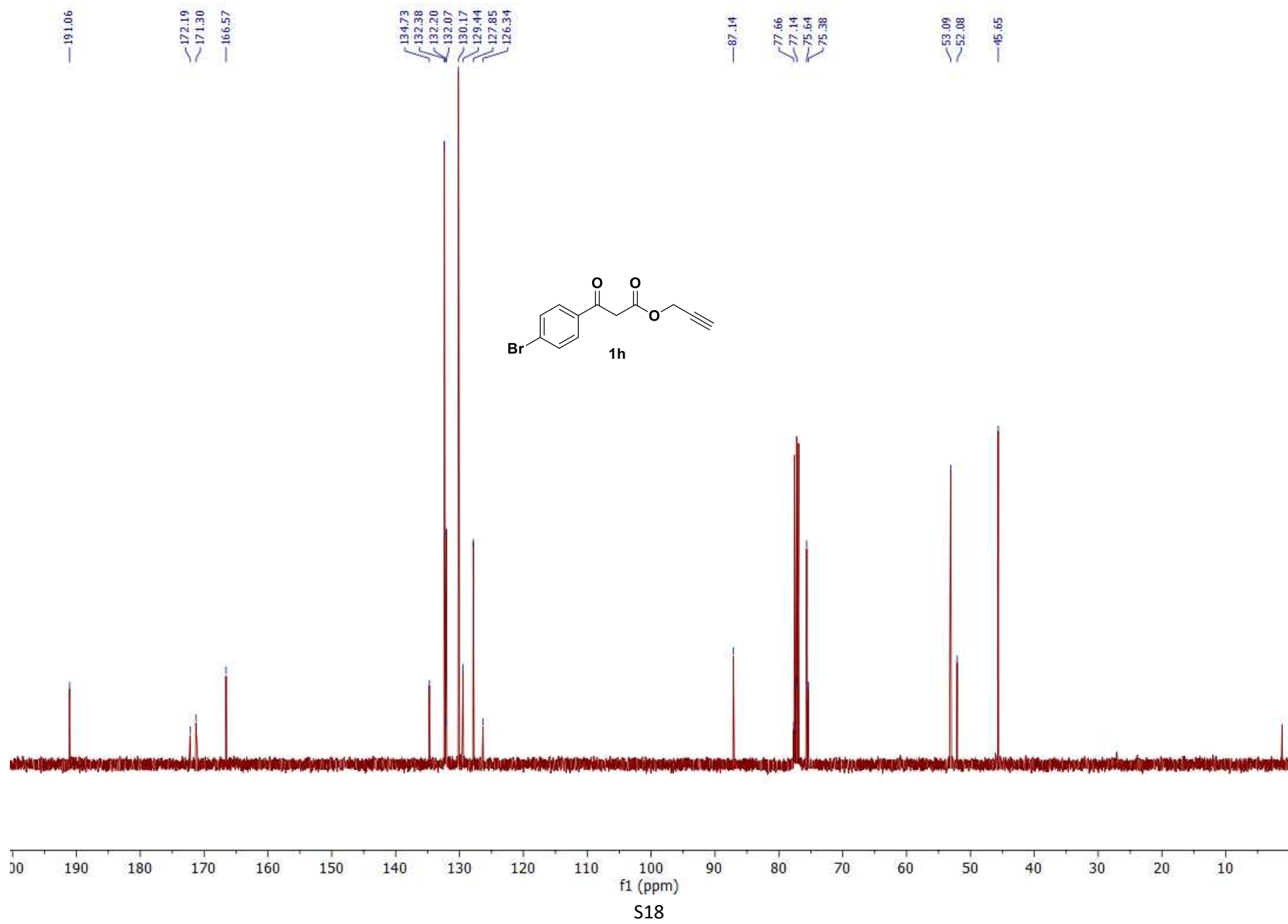


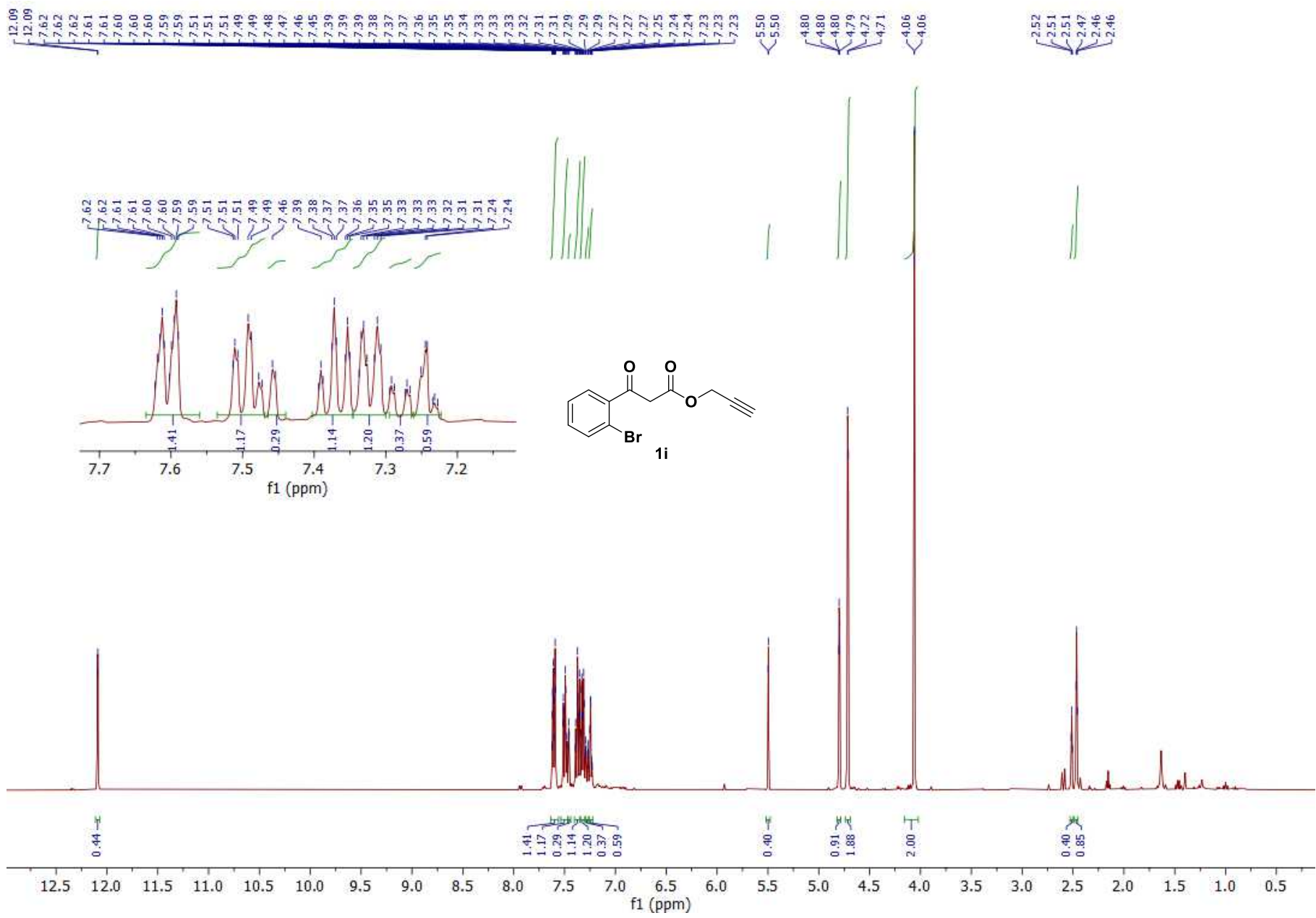


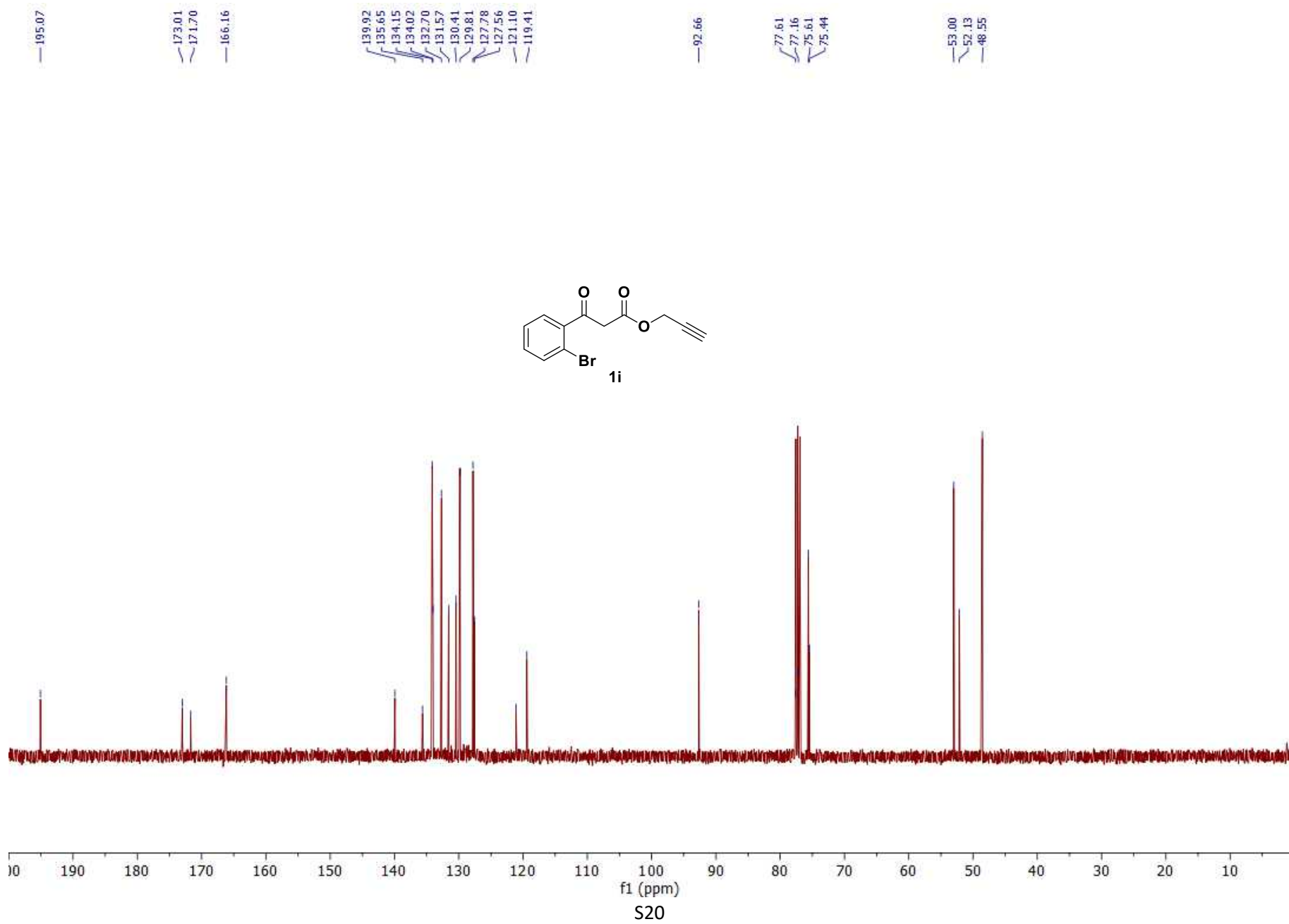


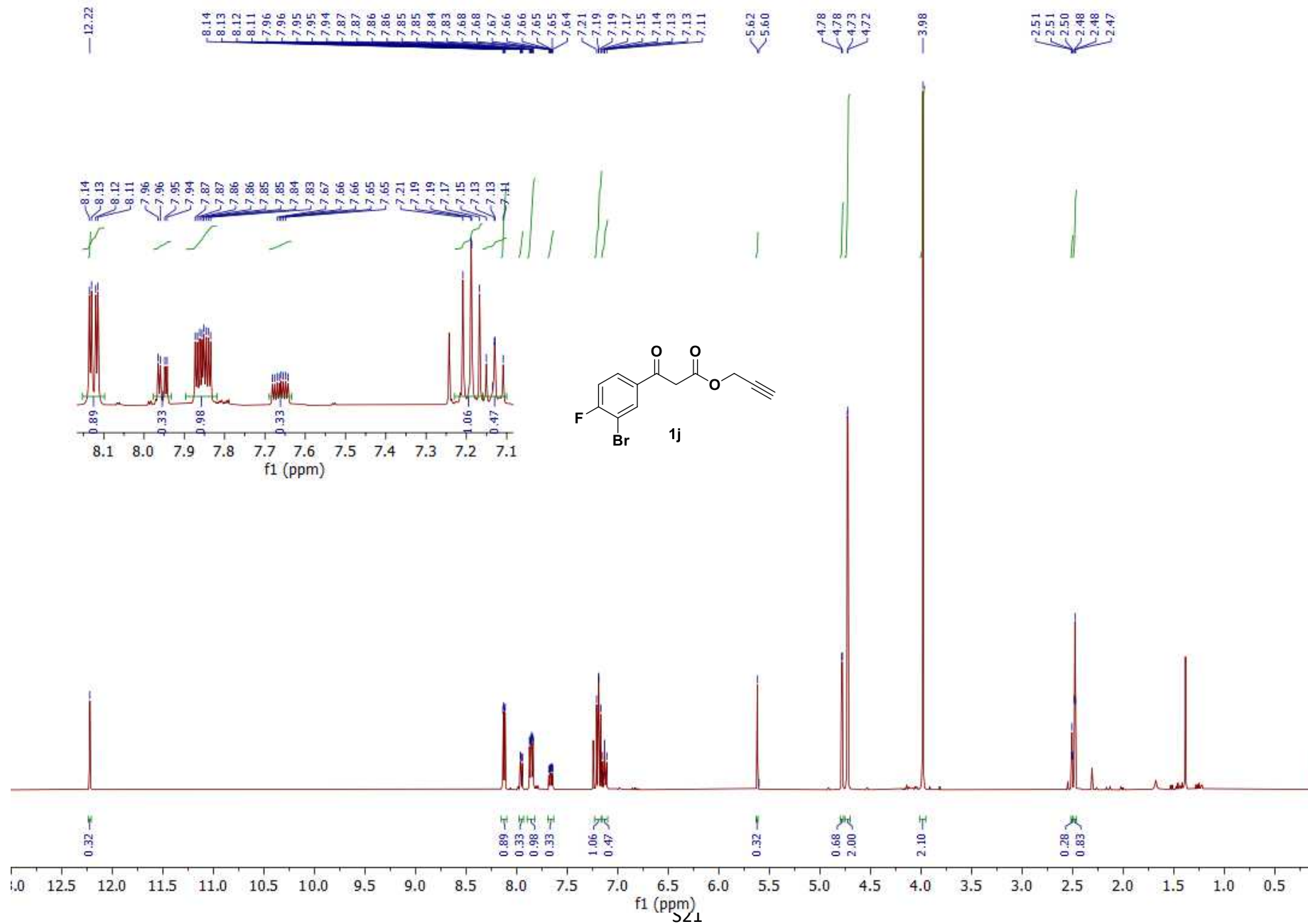


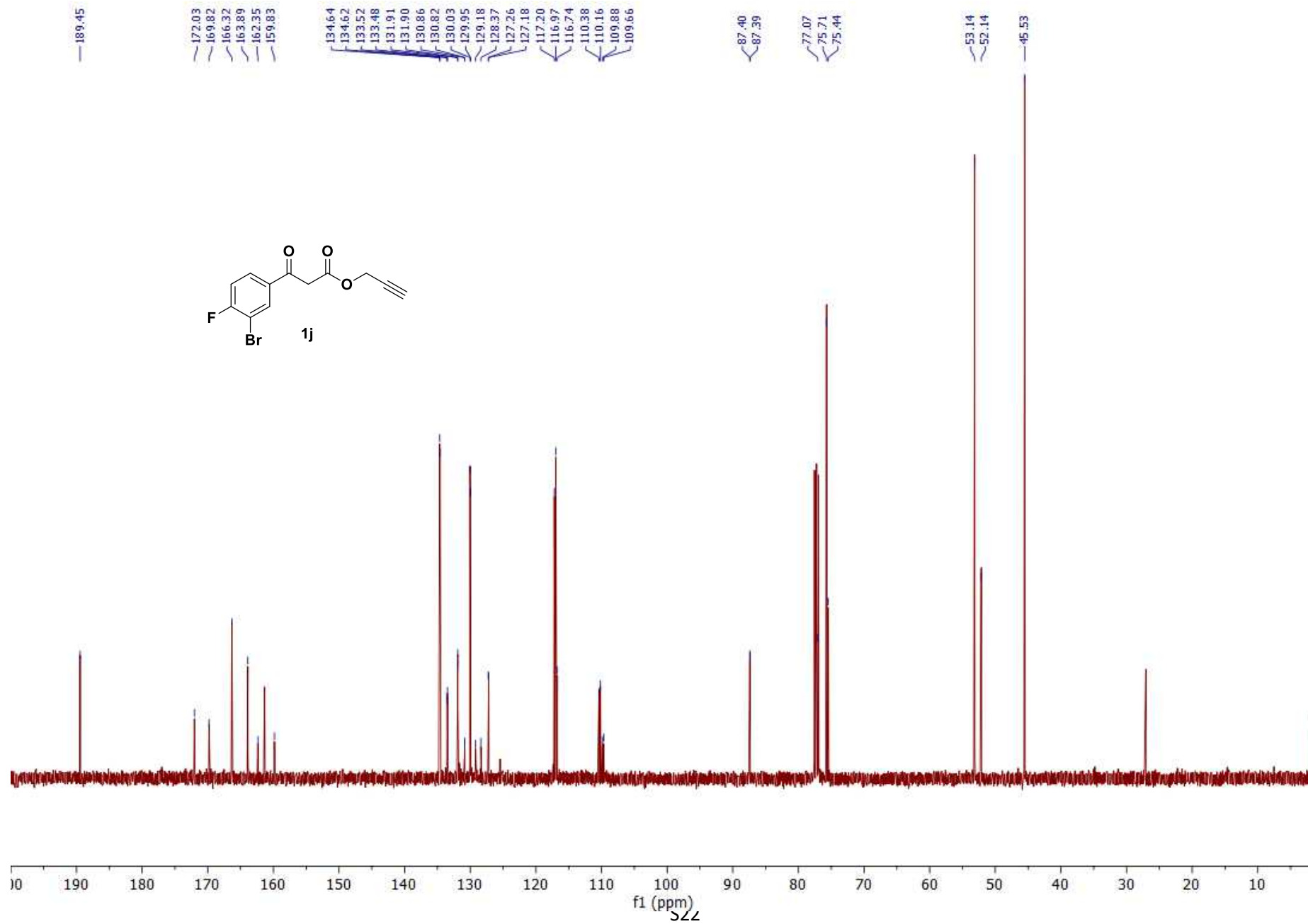
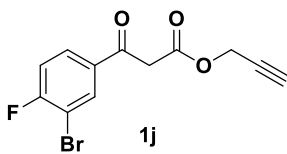


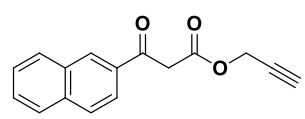
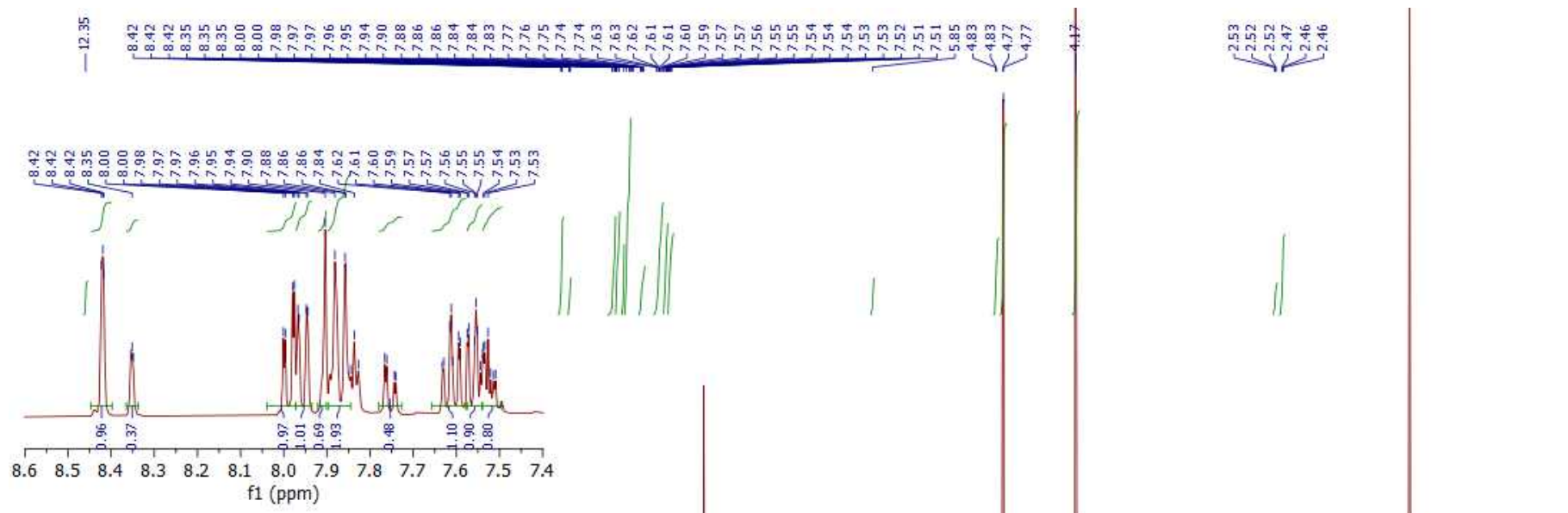




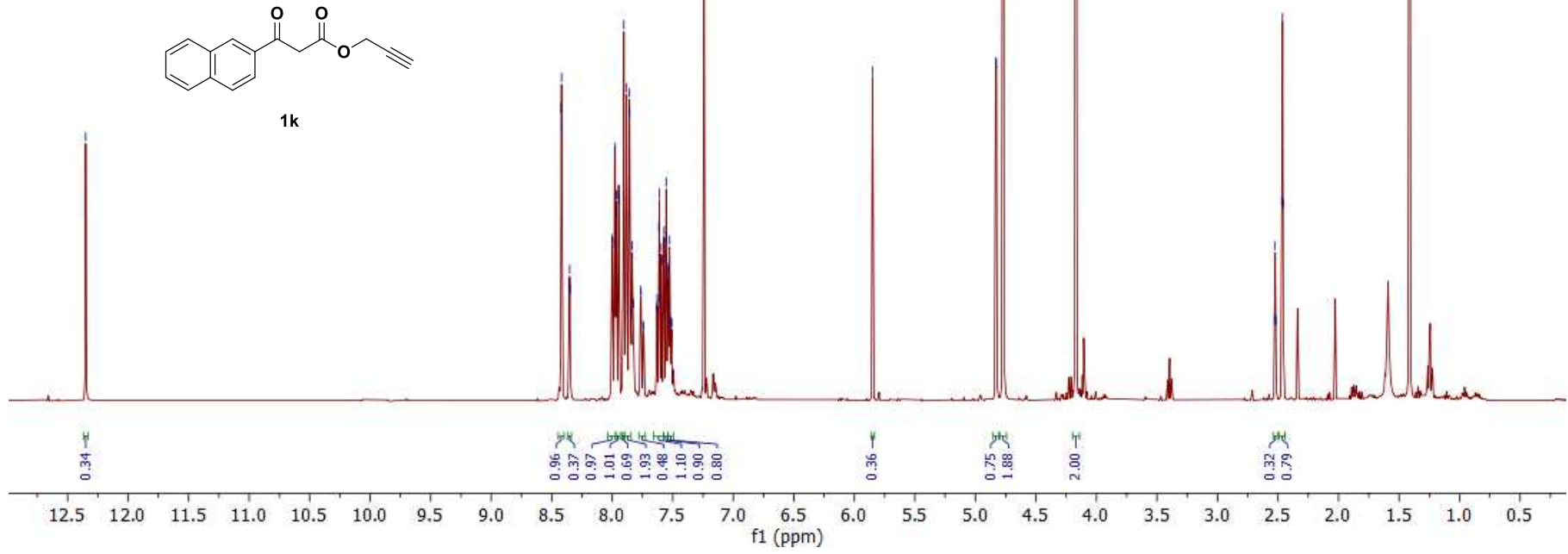


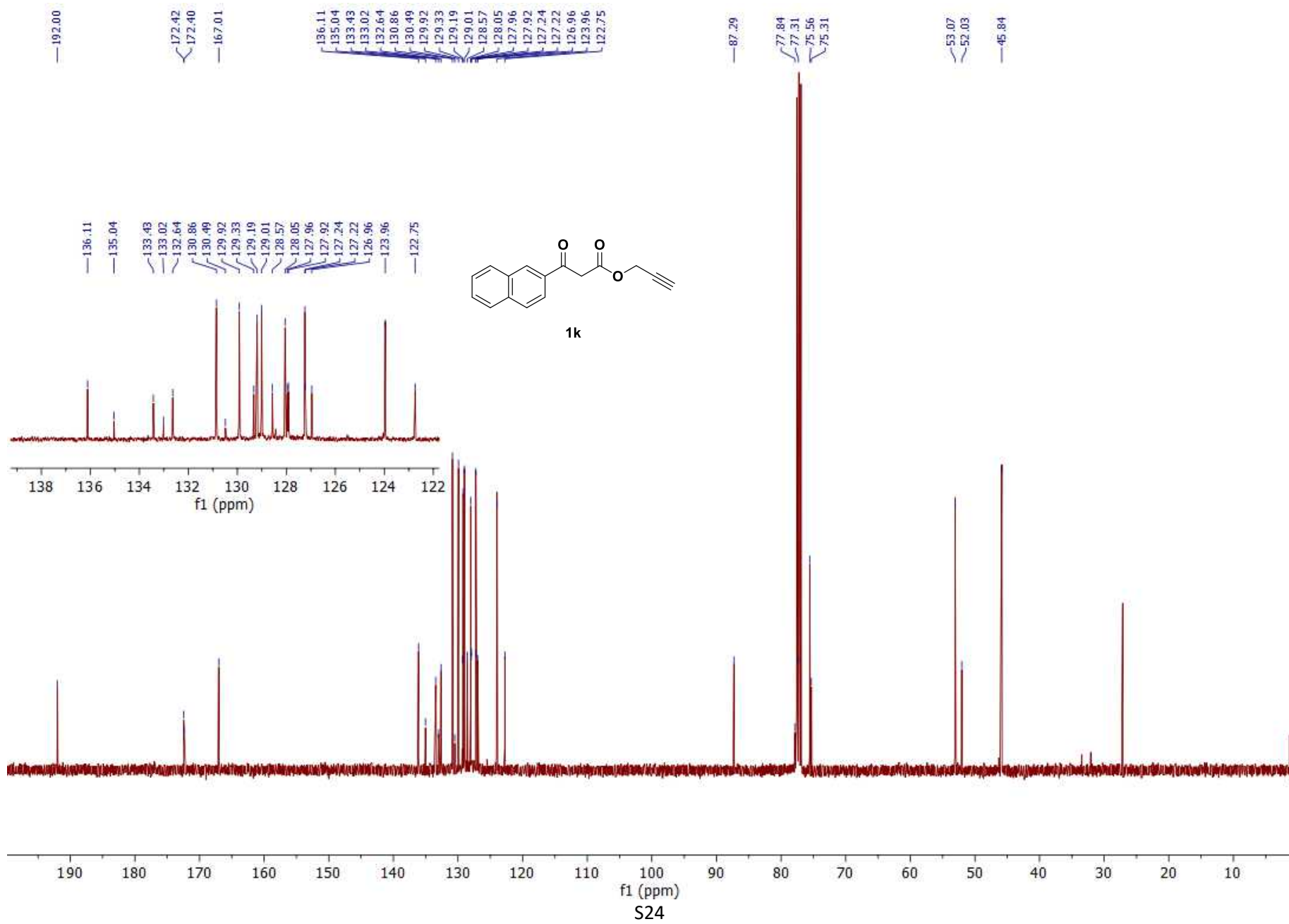


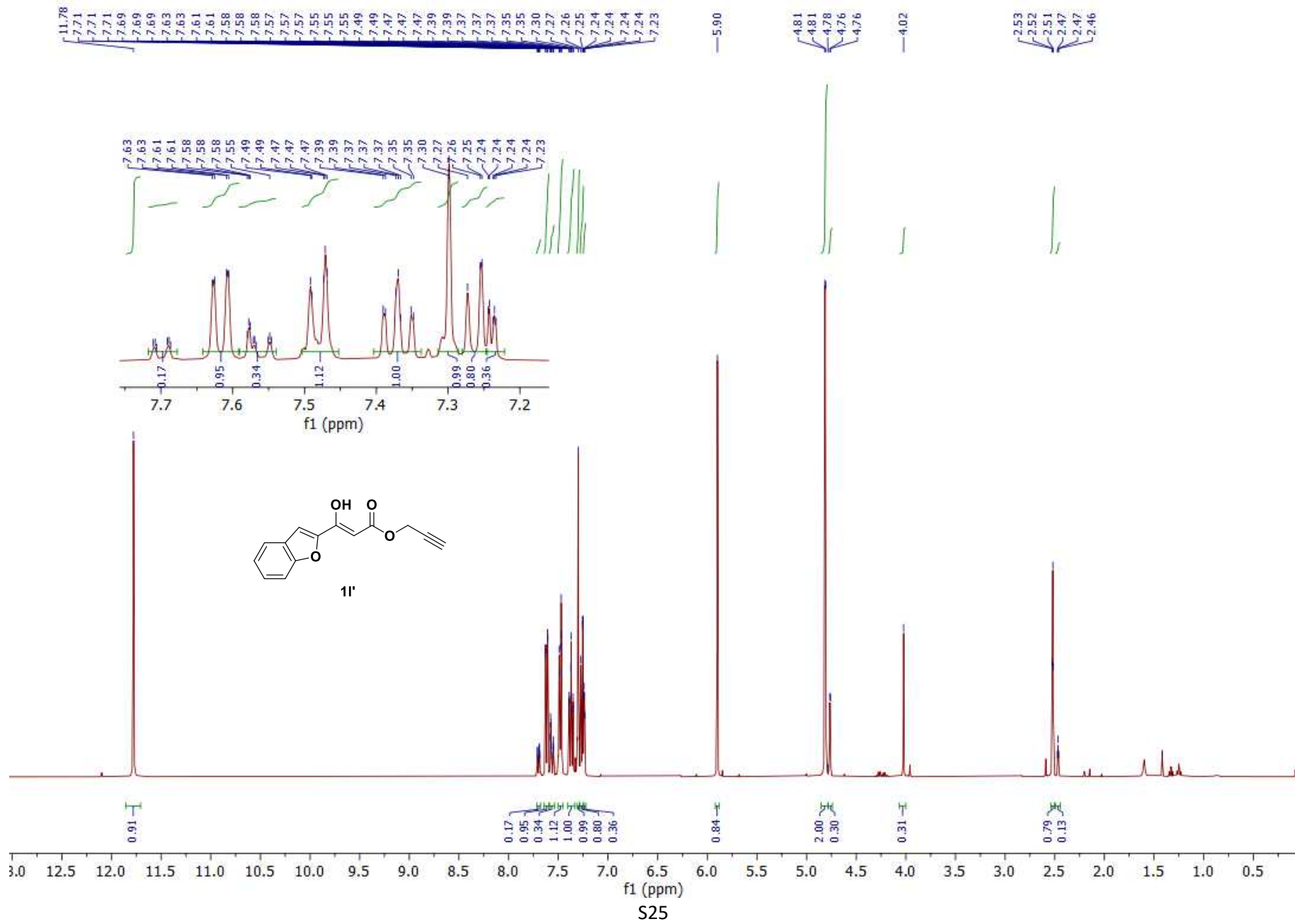


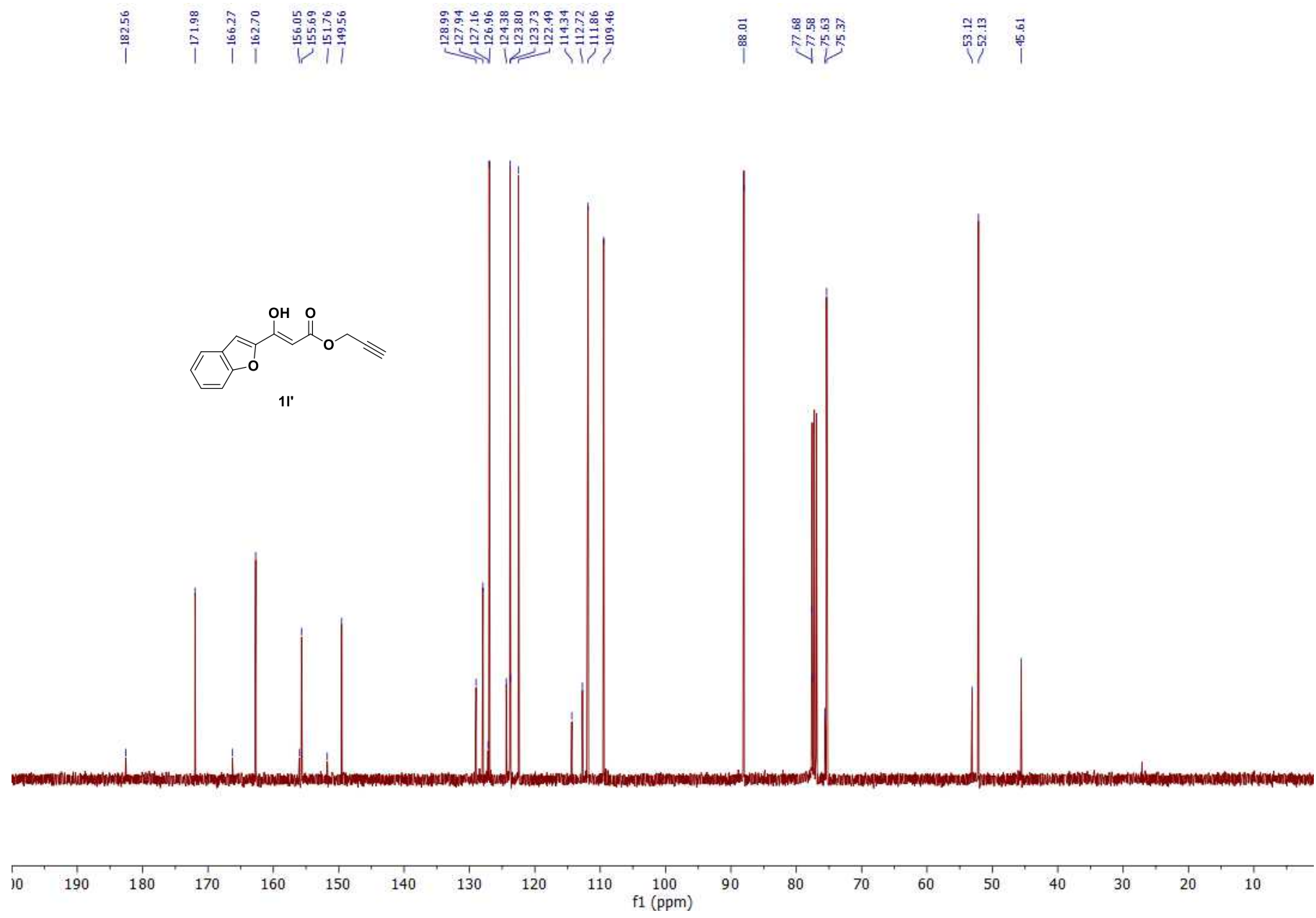


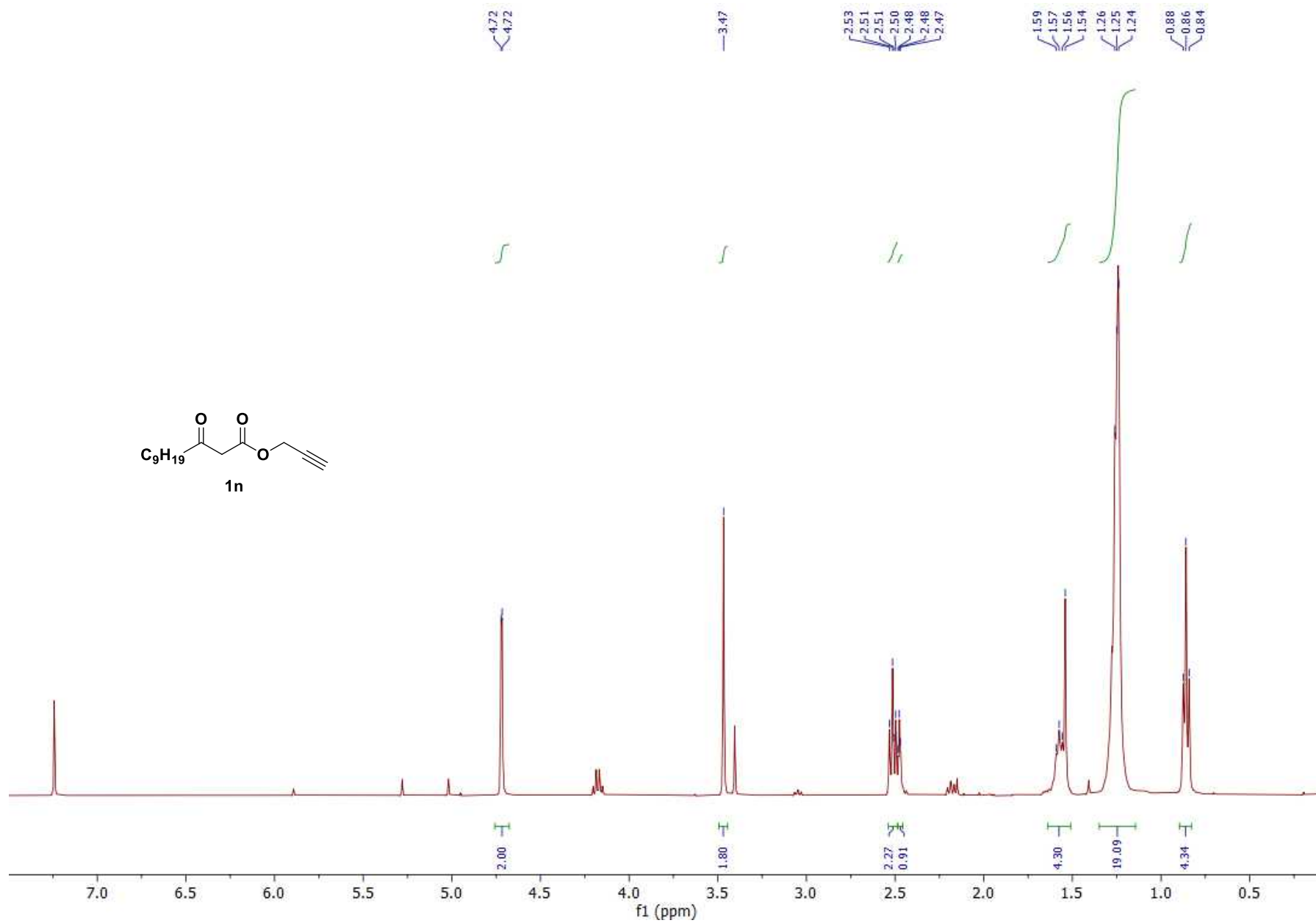
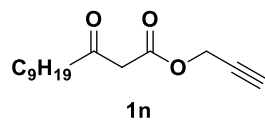
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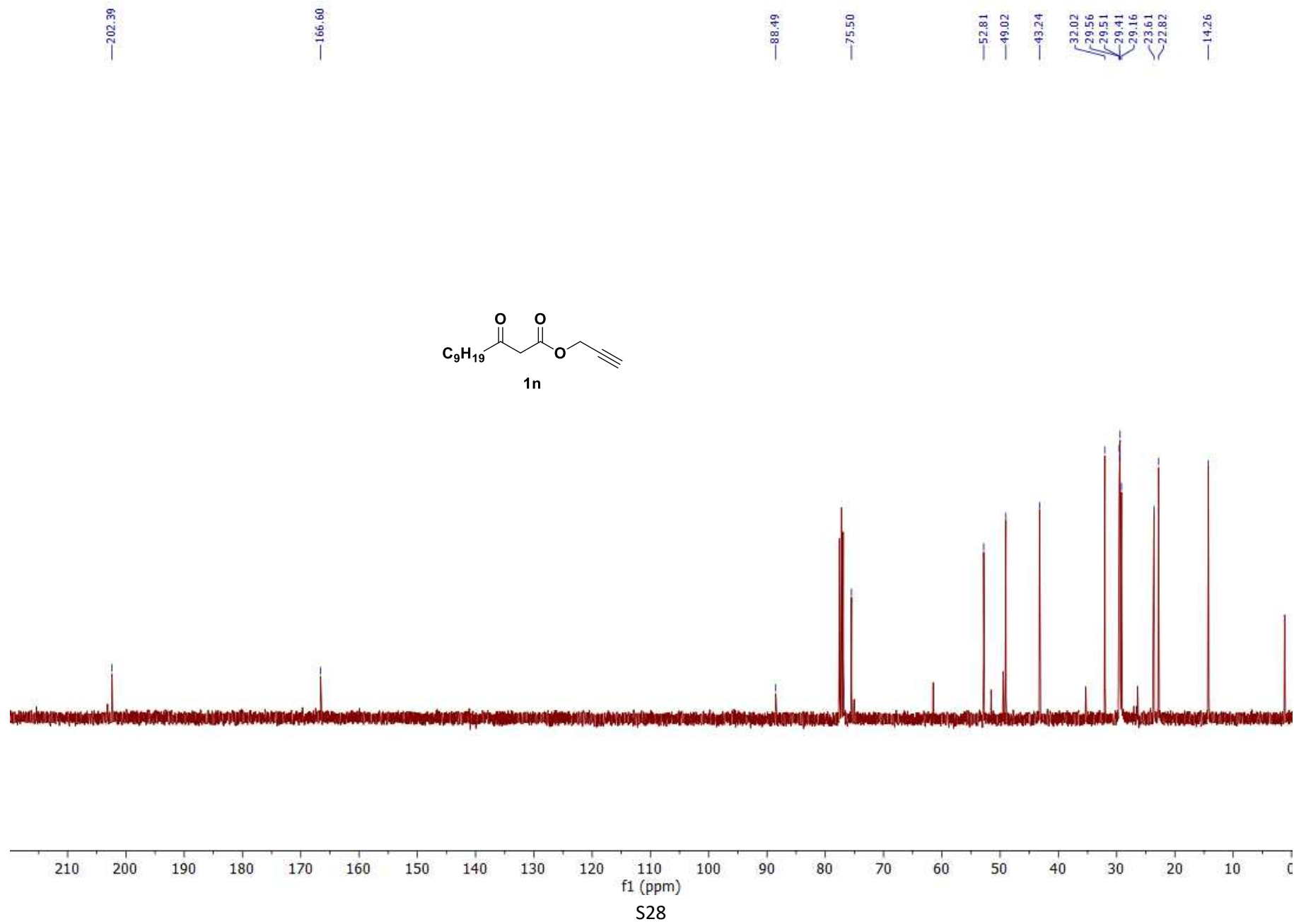
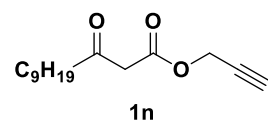


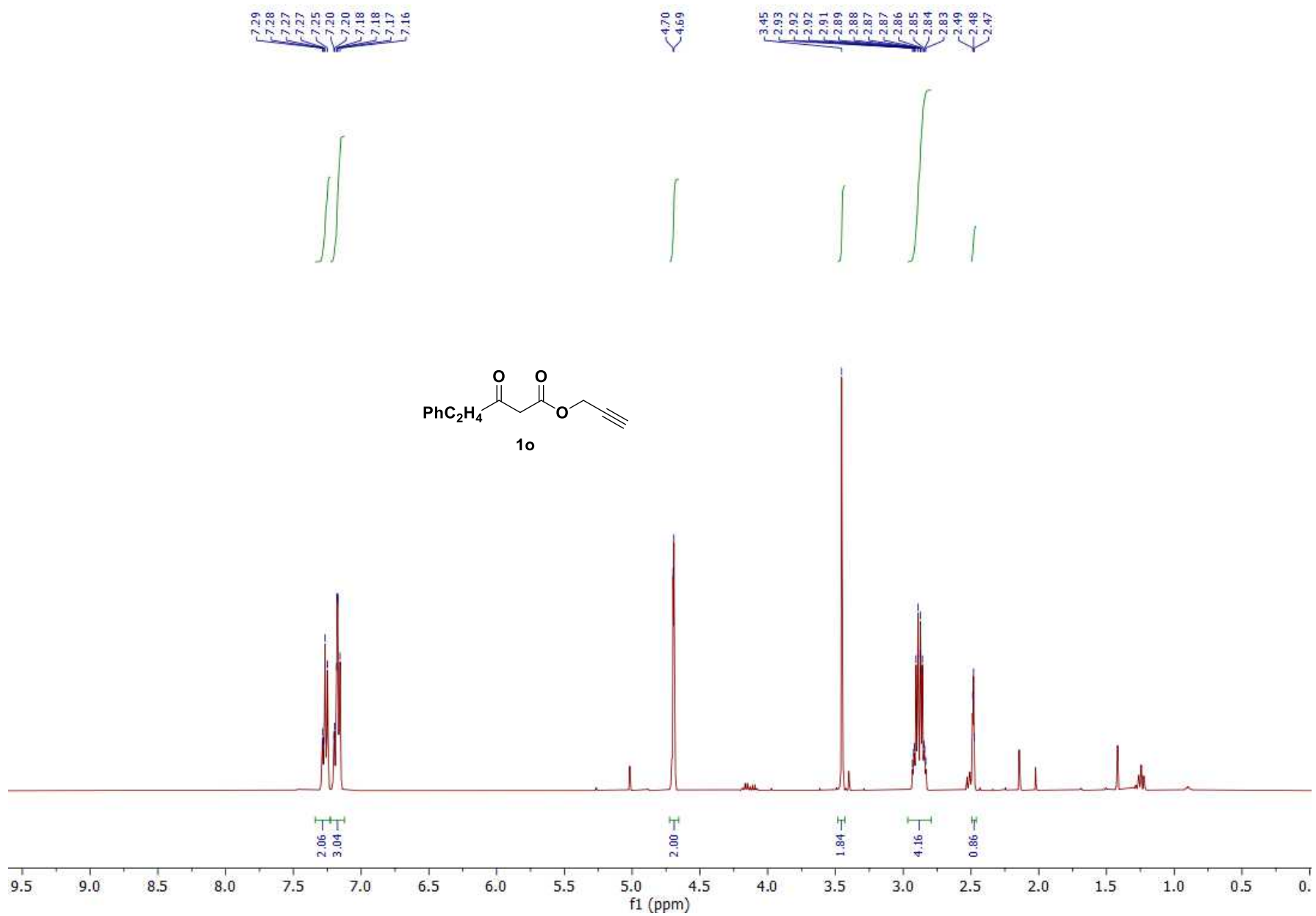


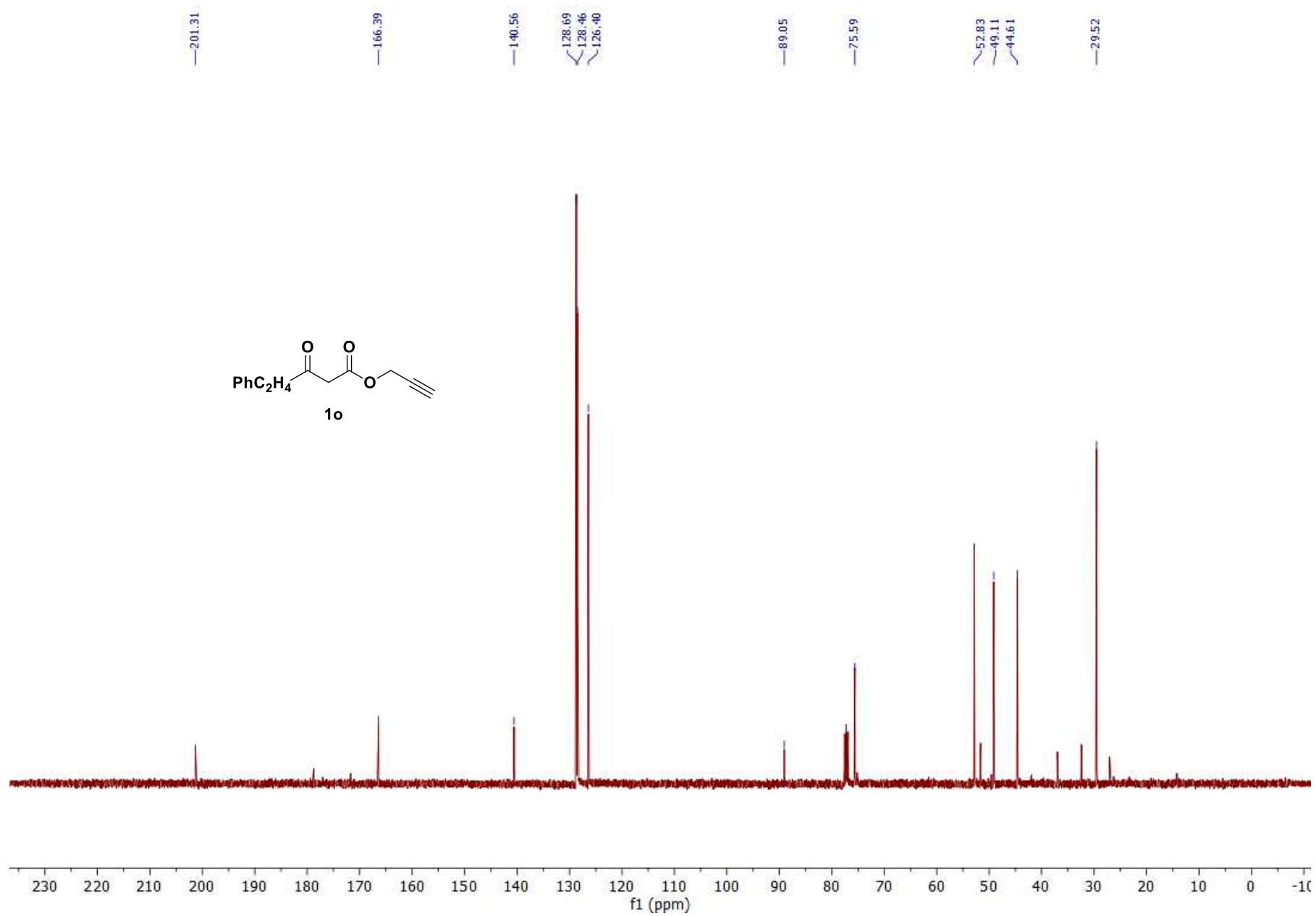
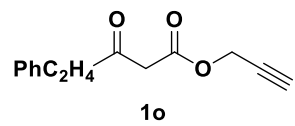




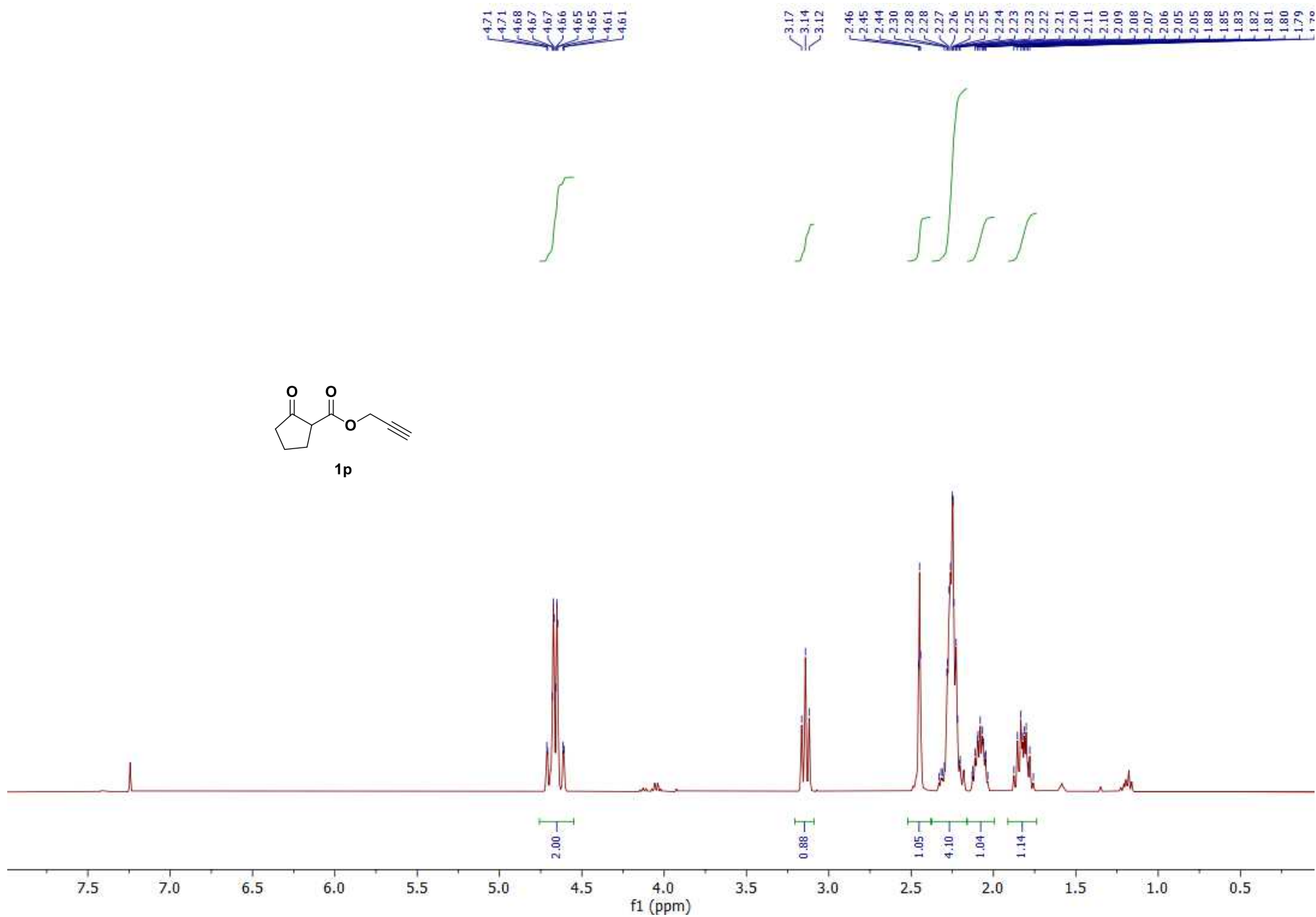
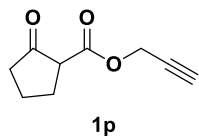




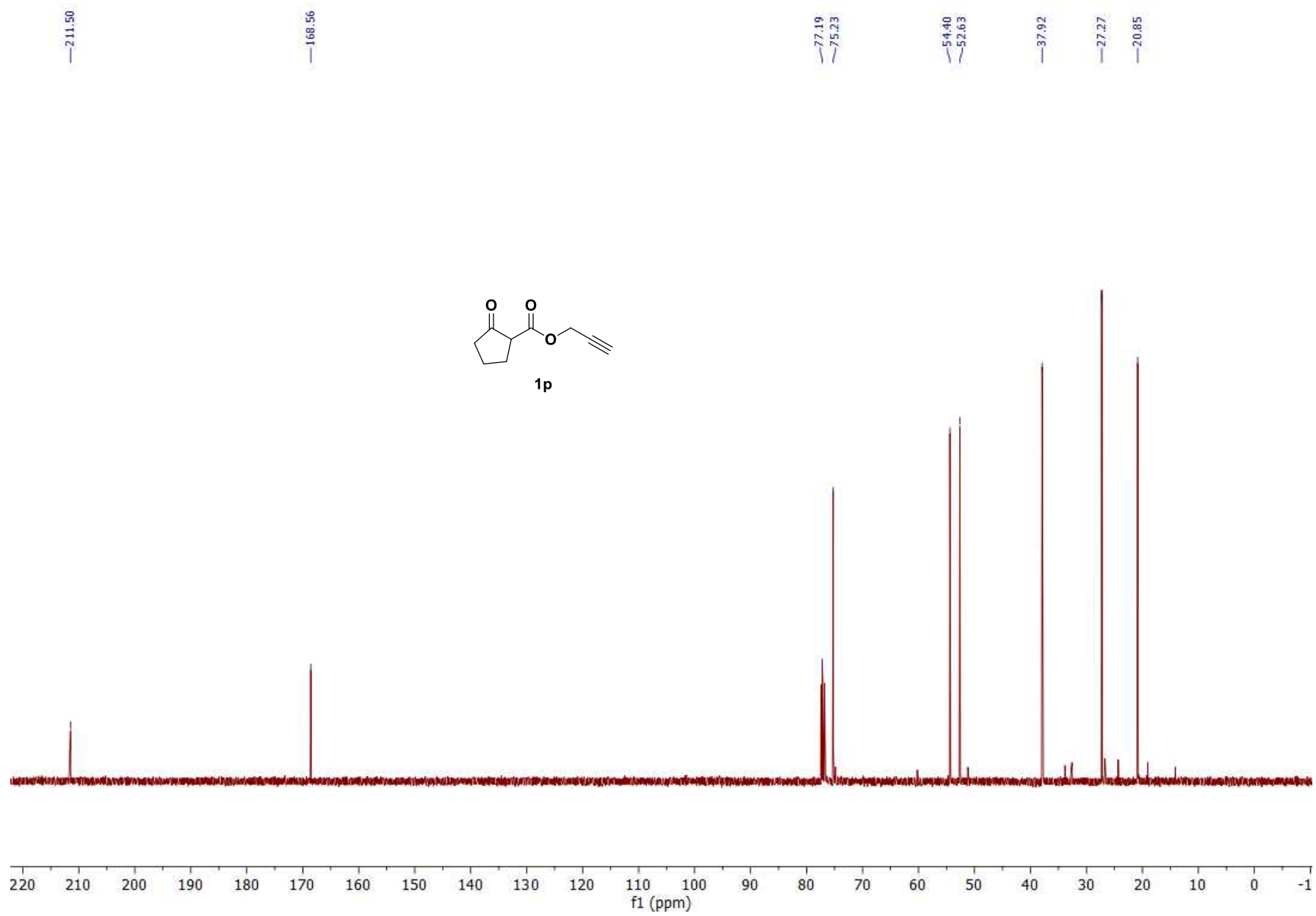


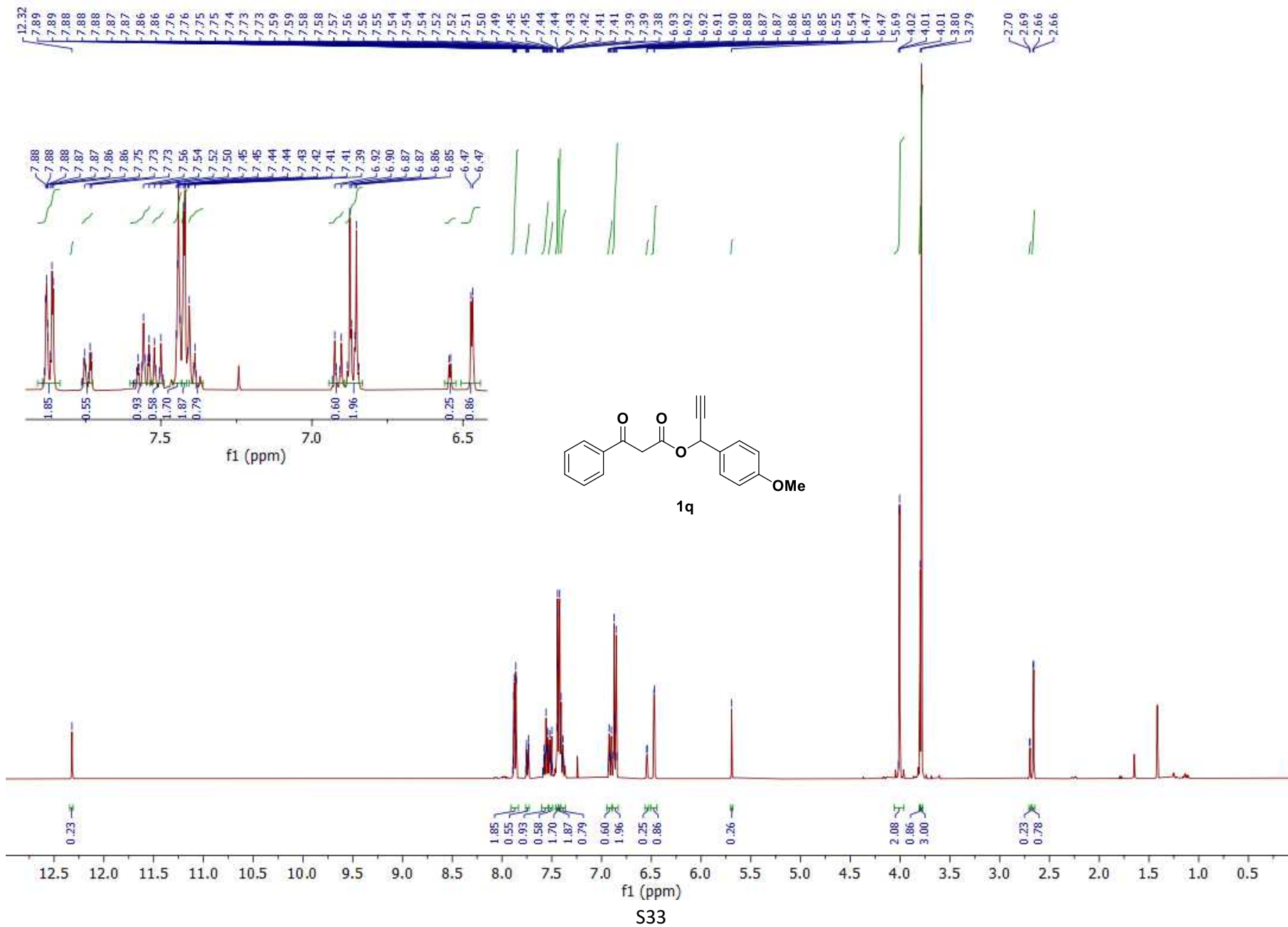


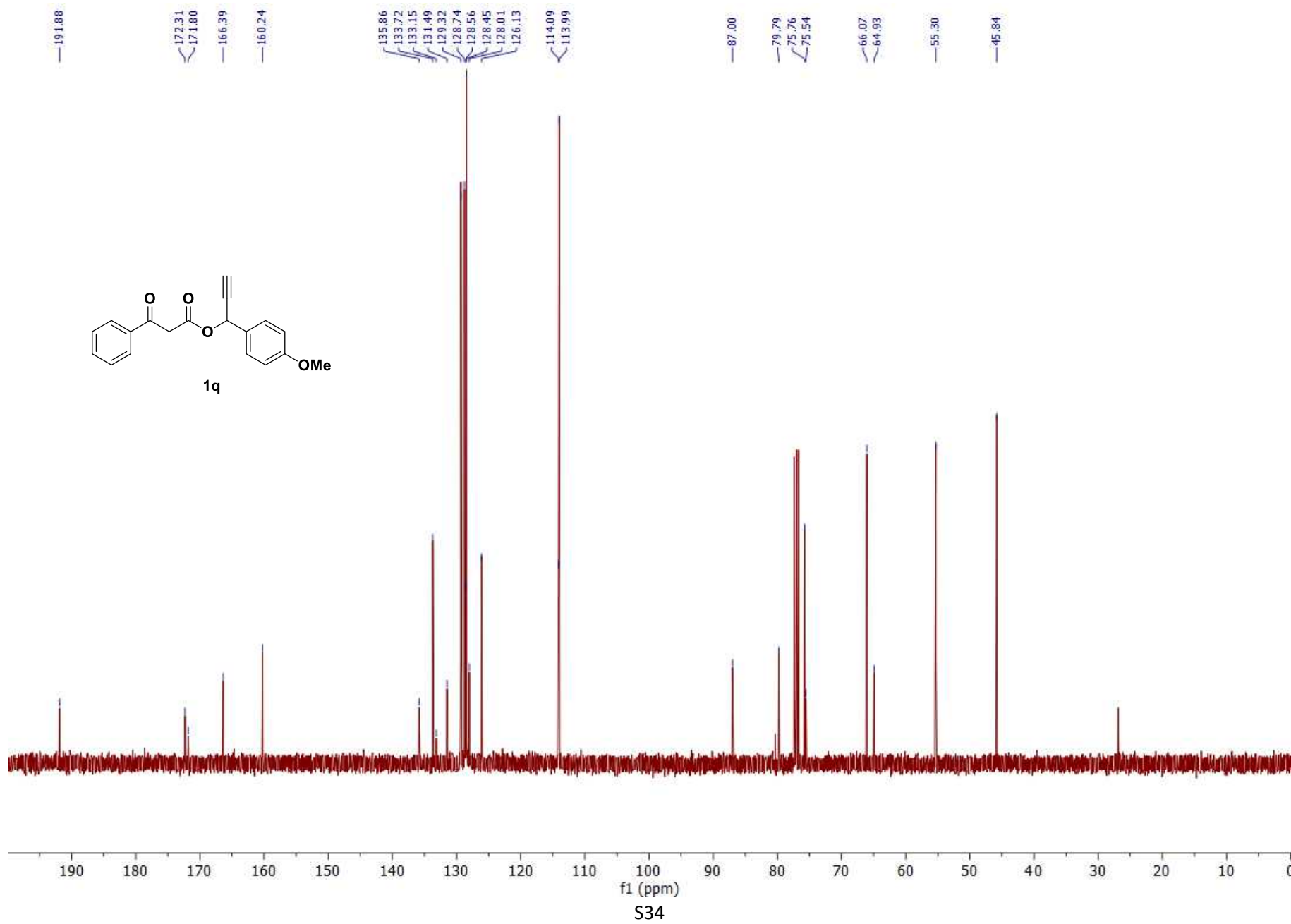
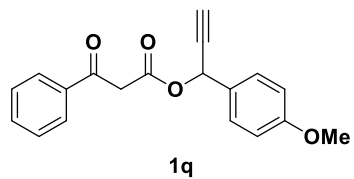
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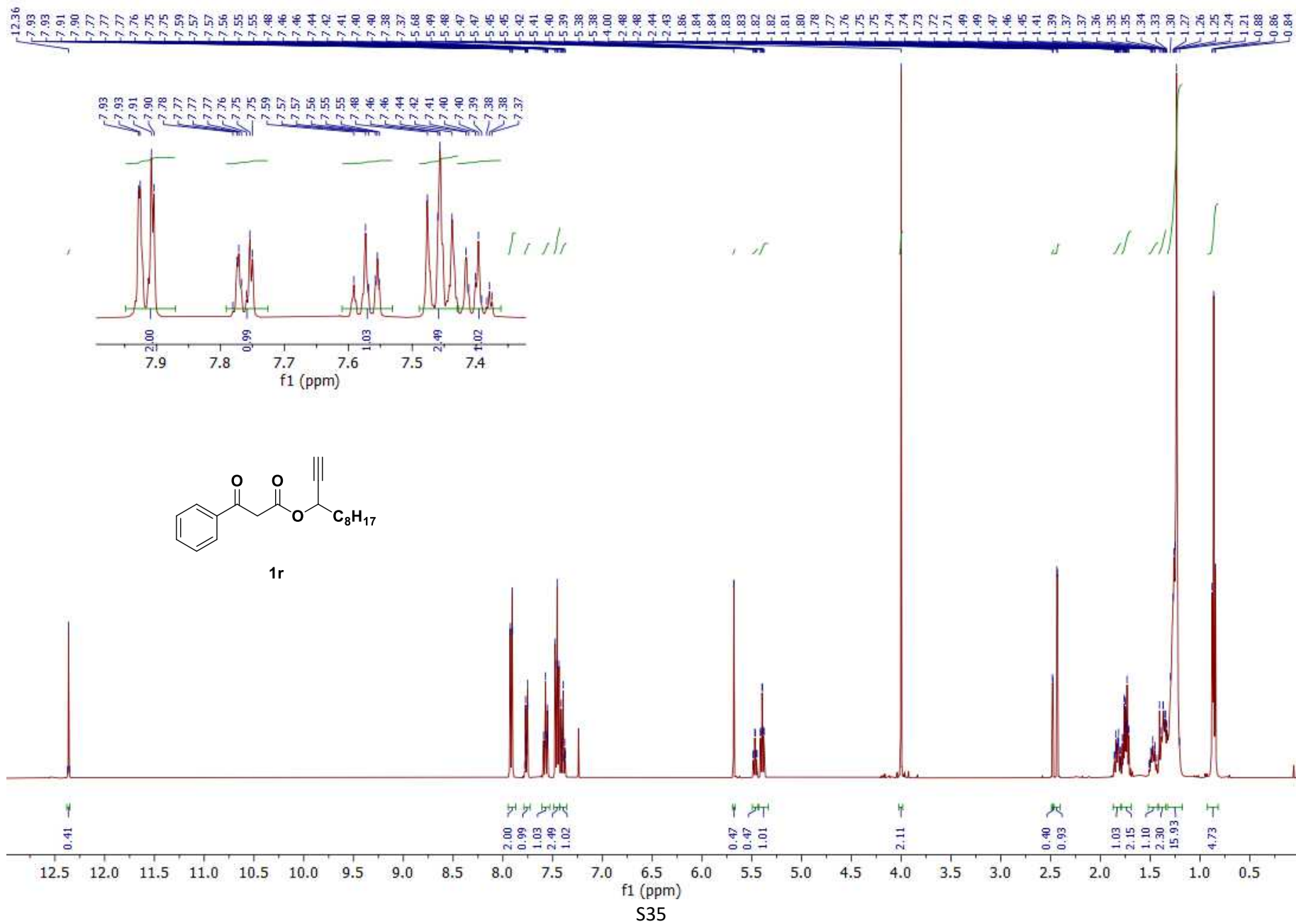


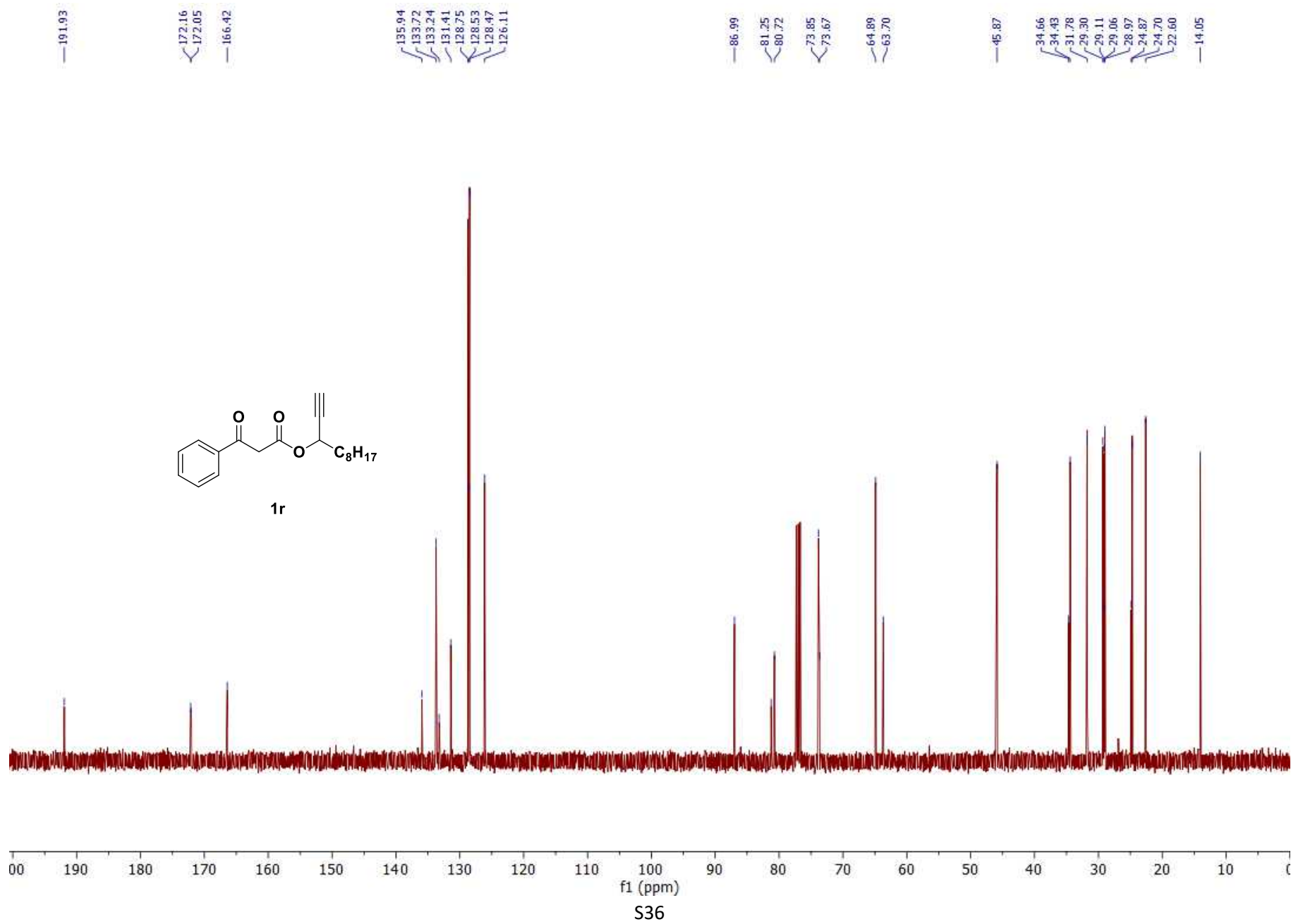
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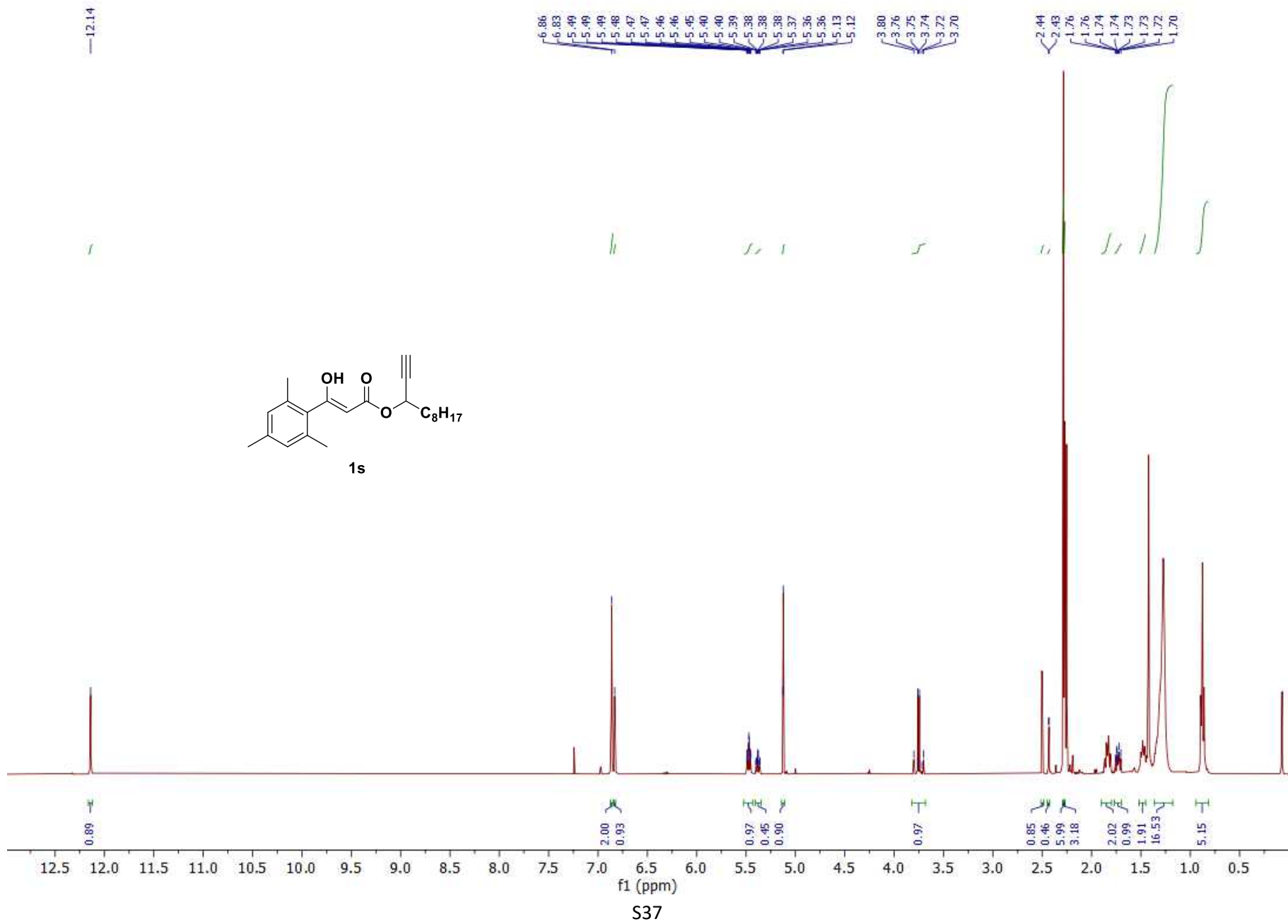


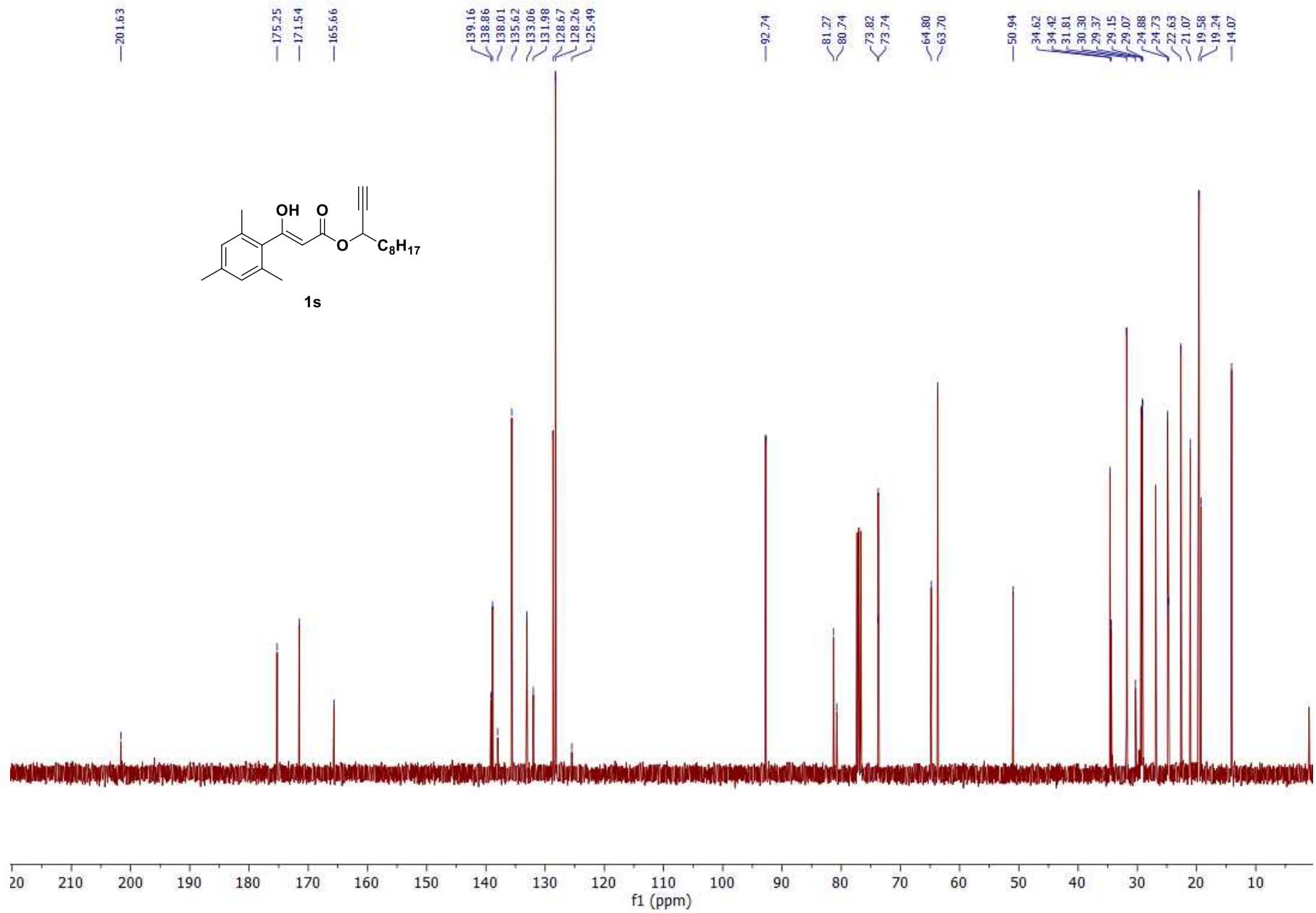
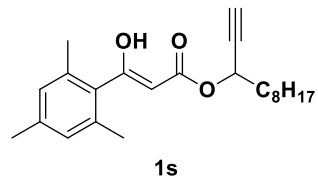


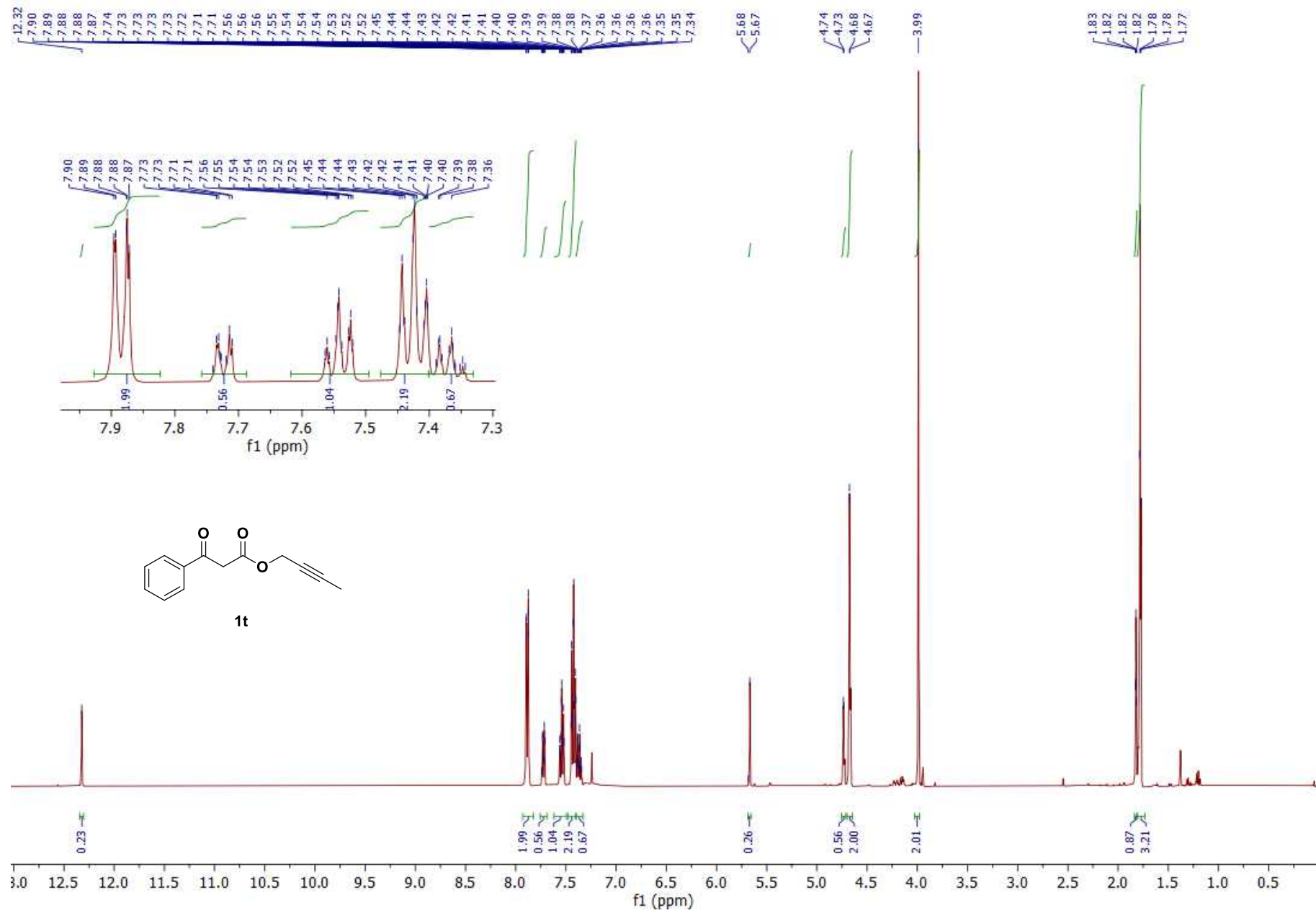


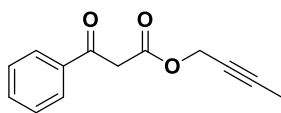




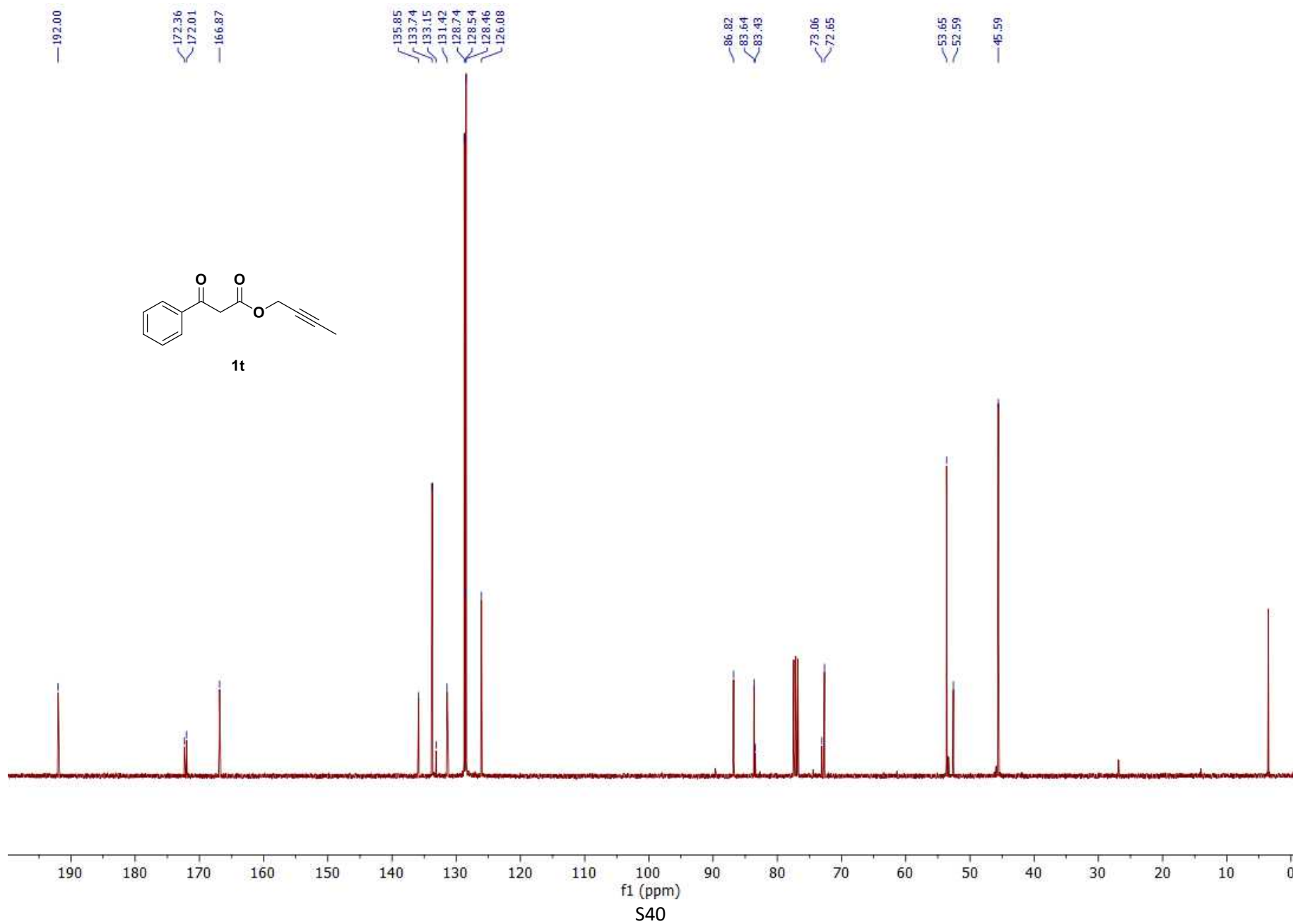


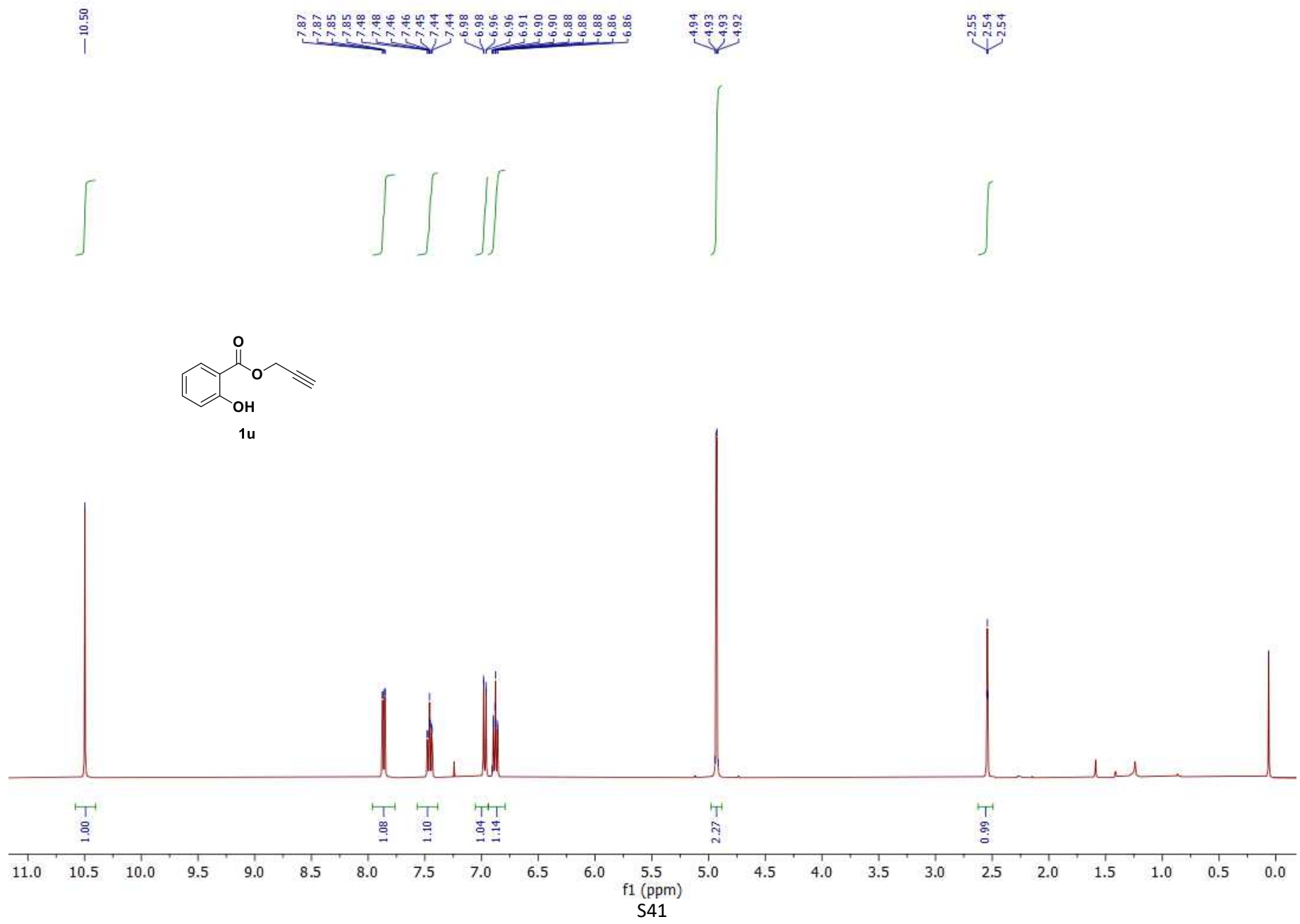
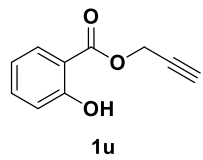


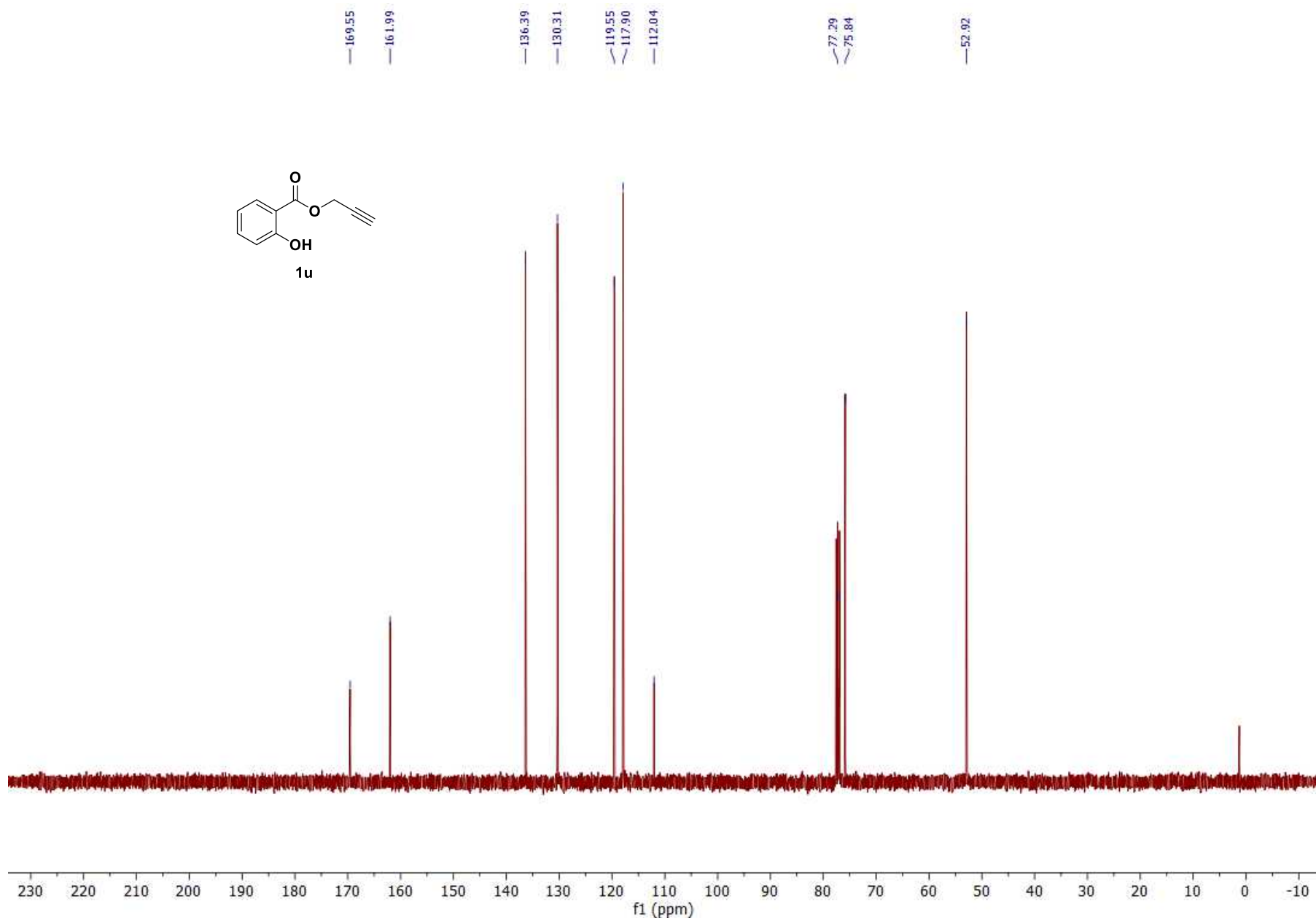
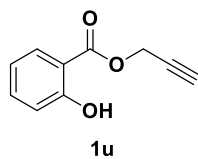




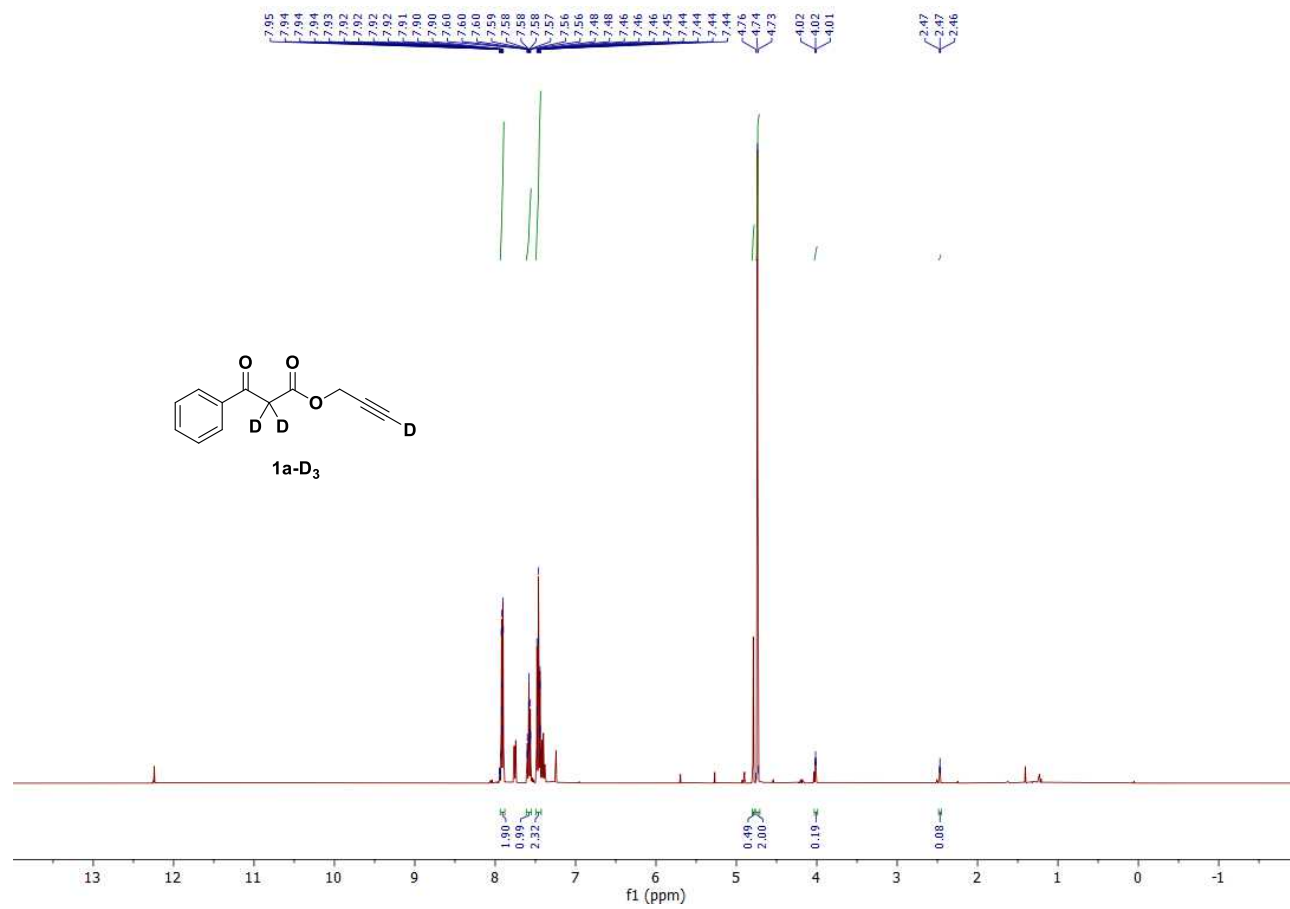
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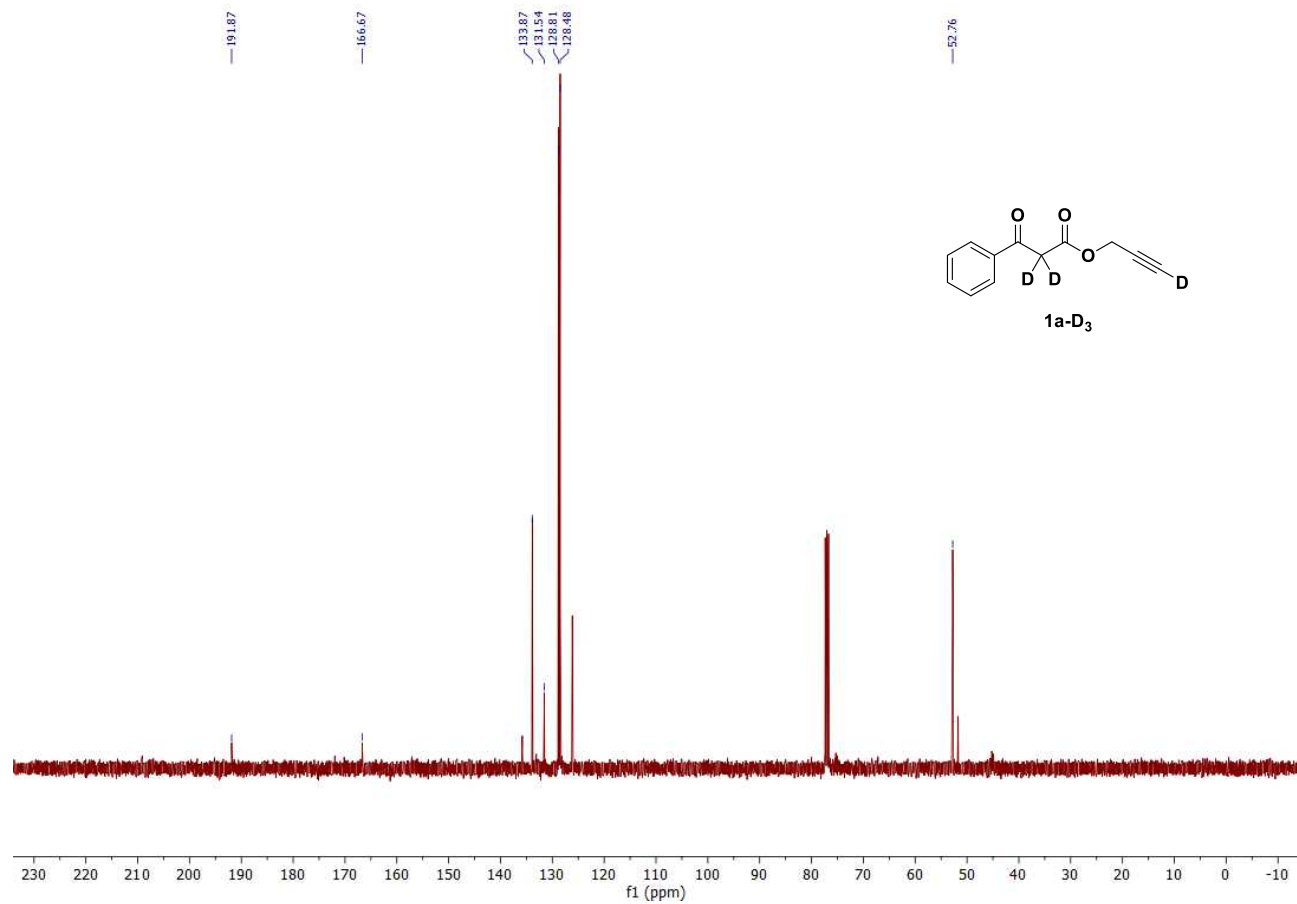


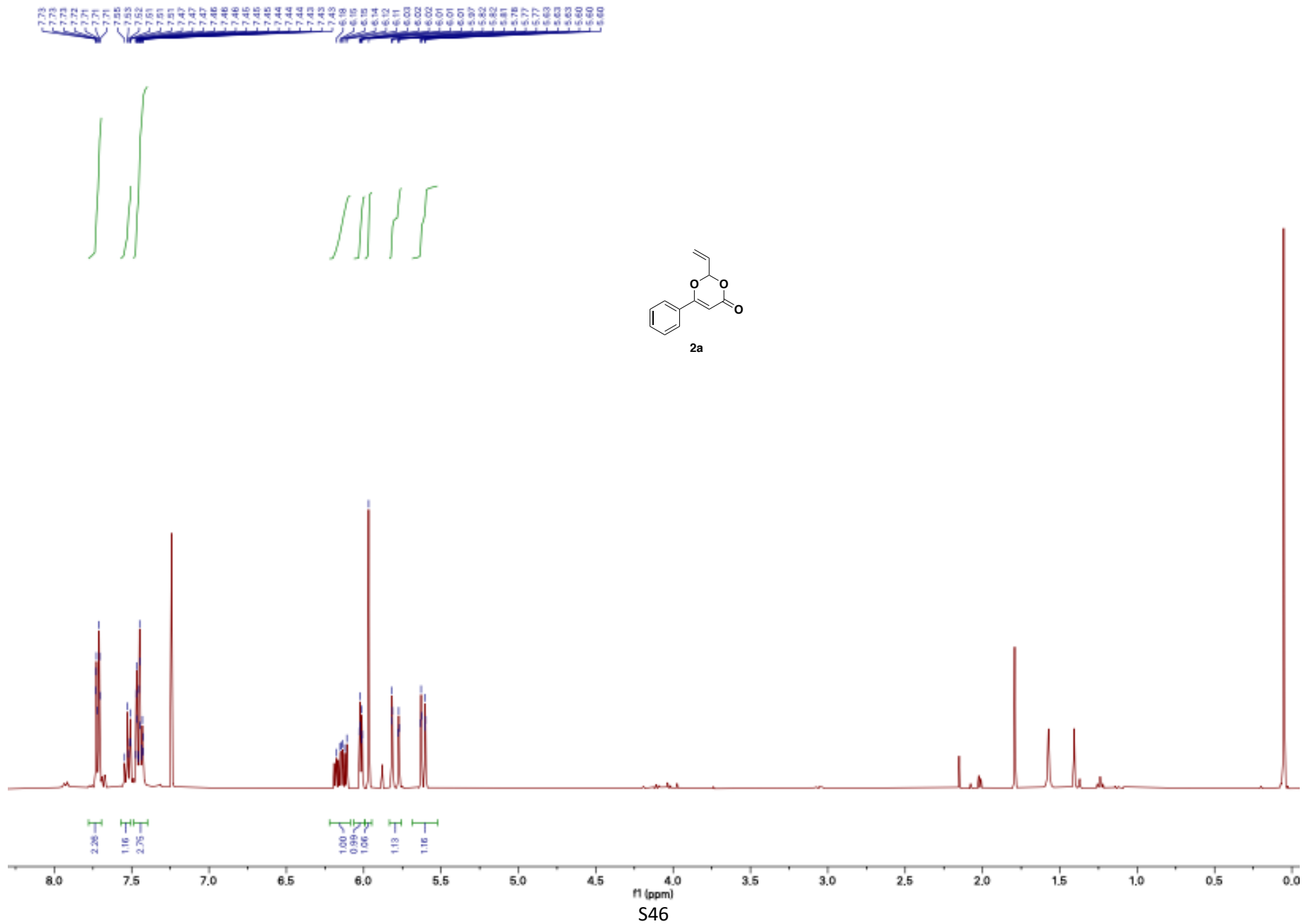




S42







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162.73

132.46

130.22

130.11

128.89

126.93

122.42

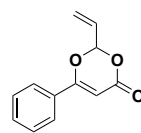
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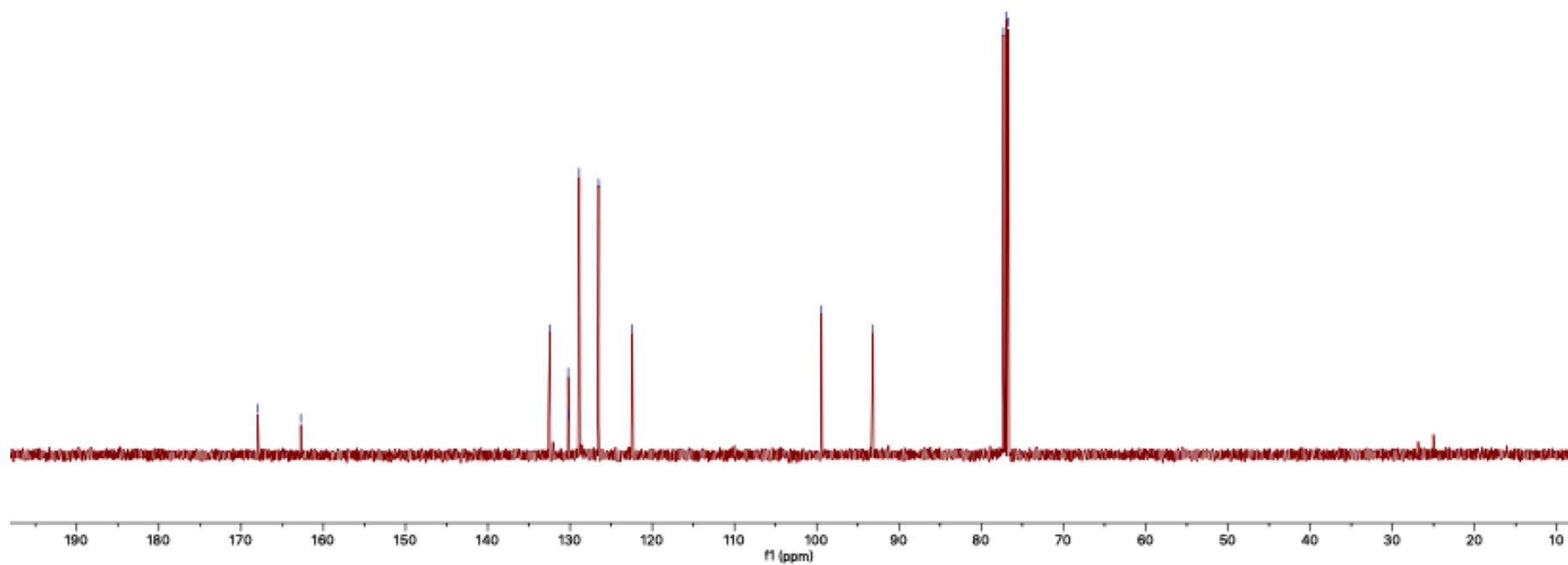
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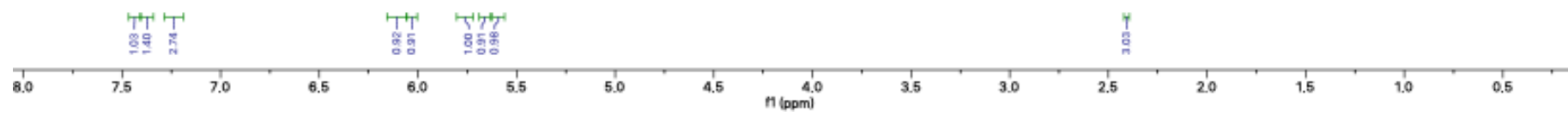
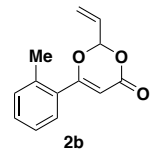
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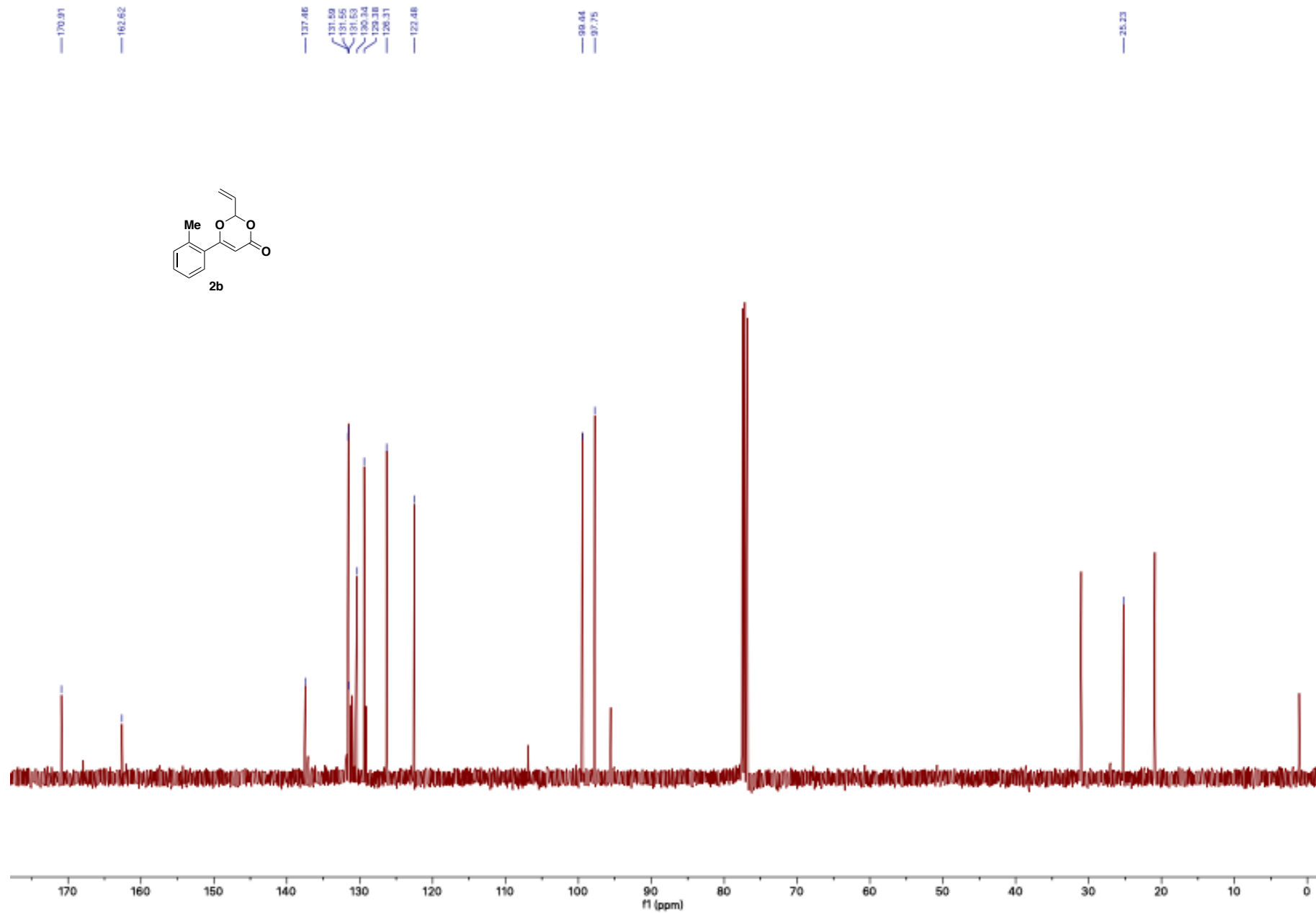
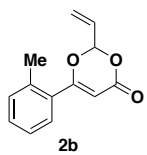


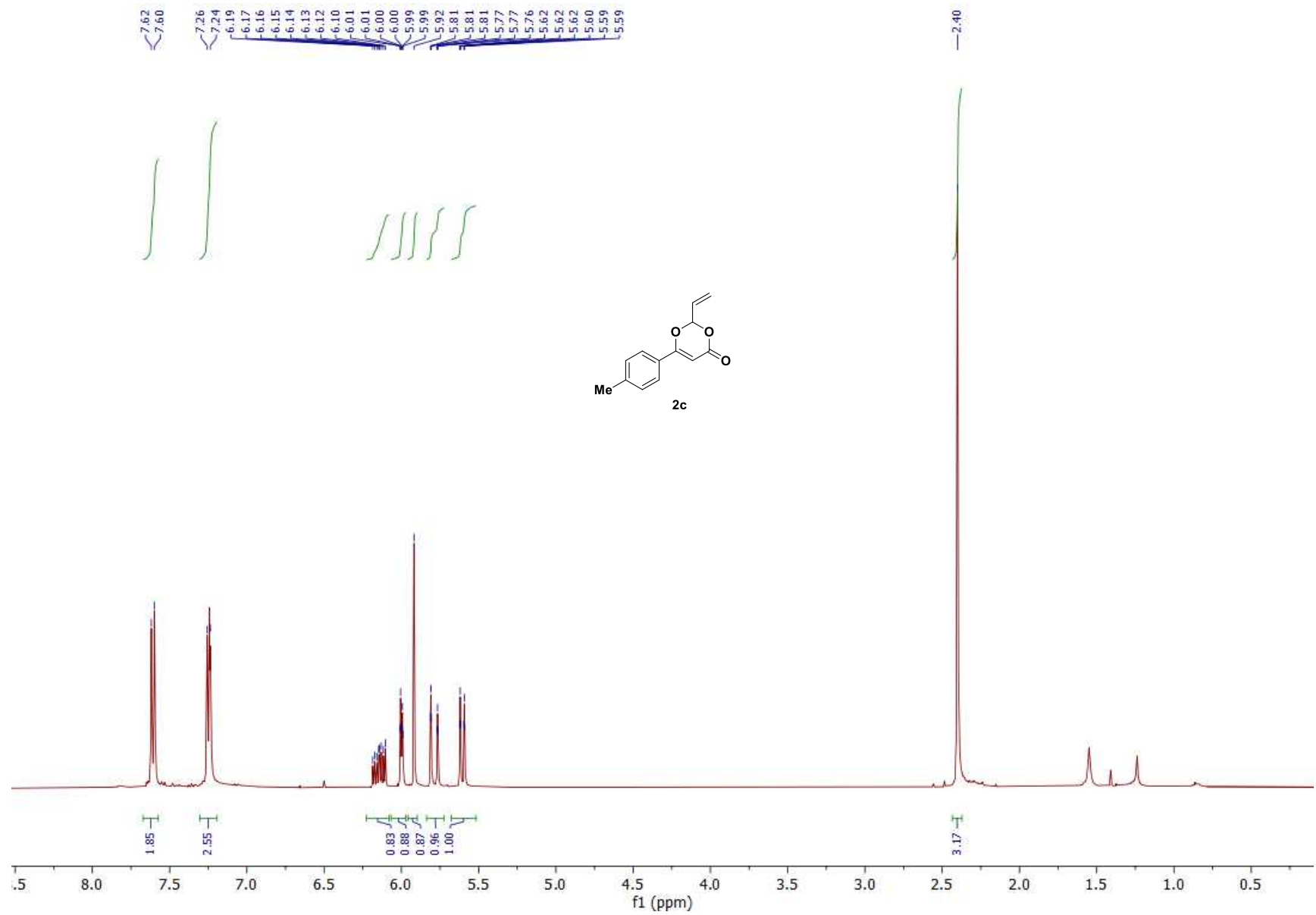
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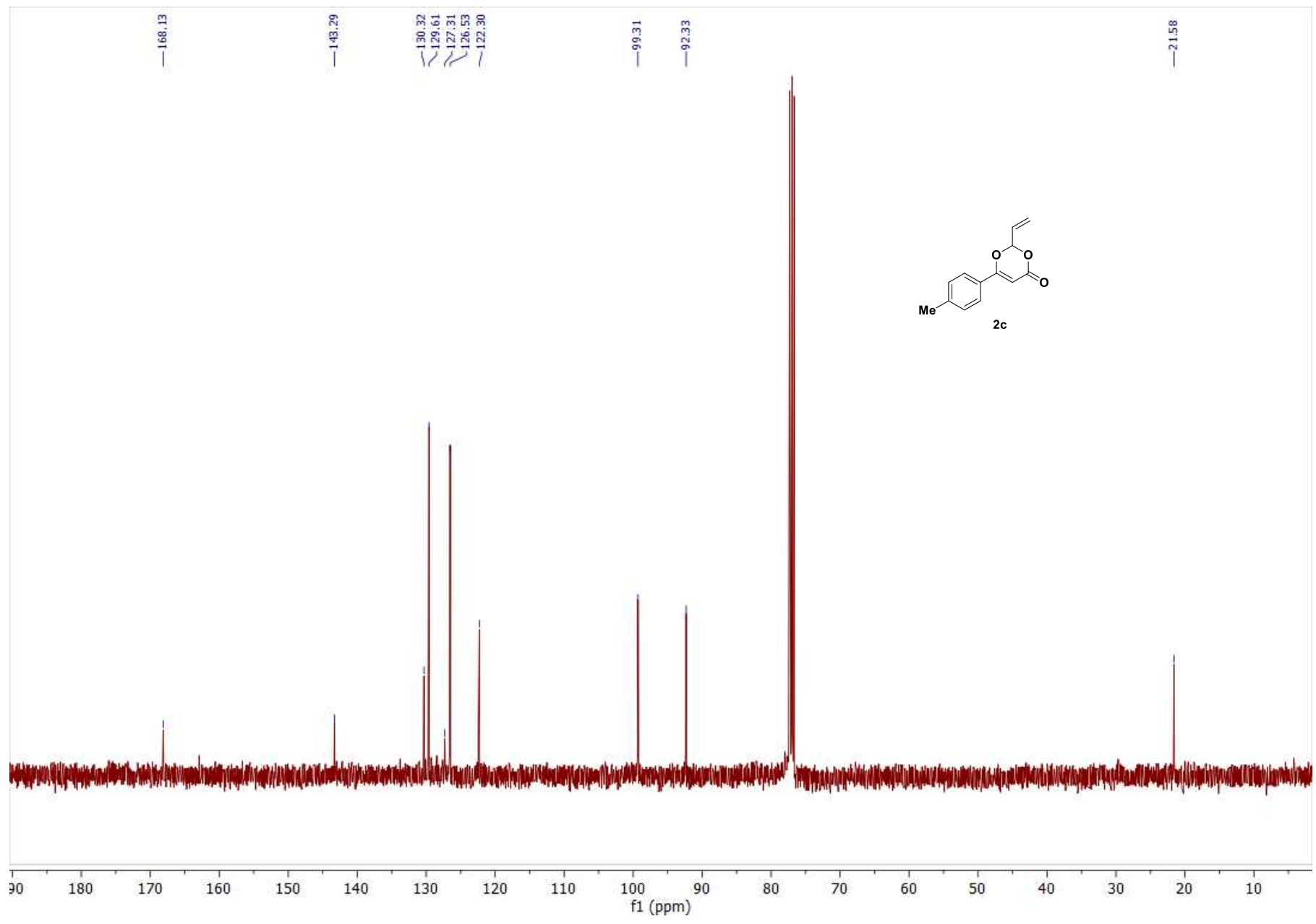
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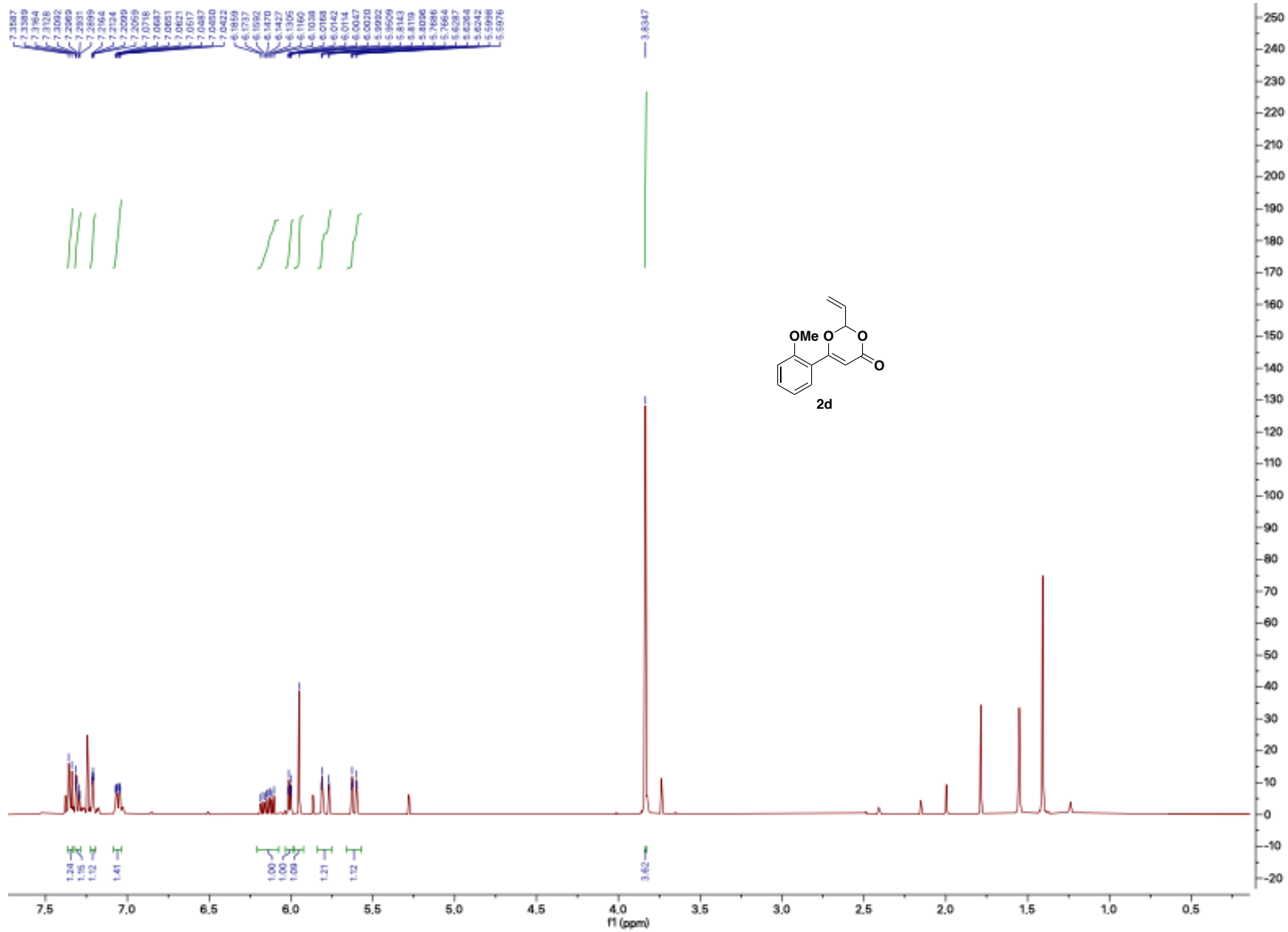


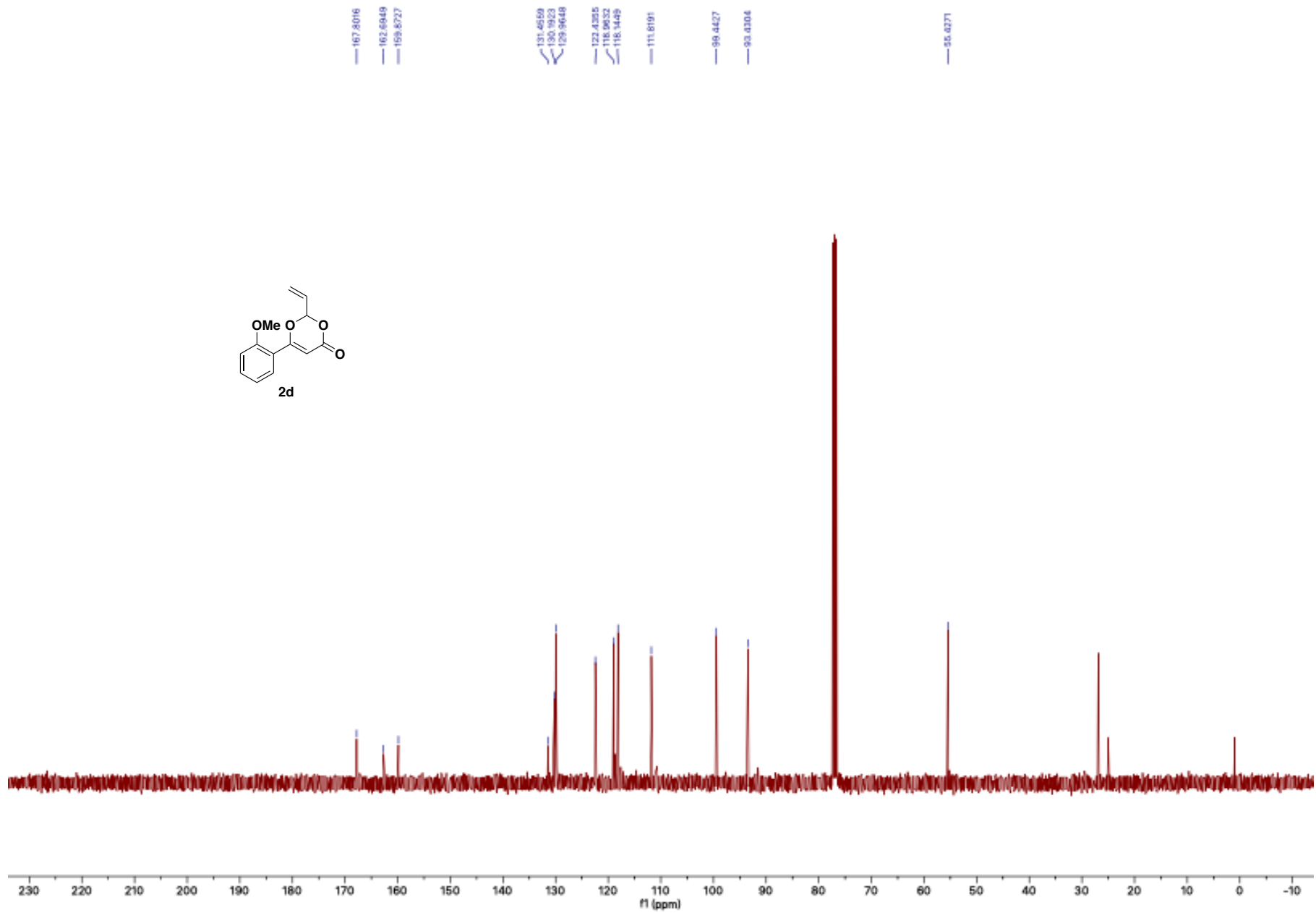
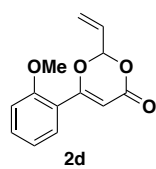


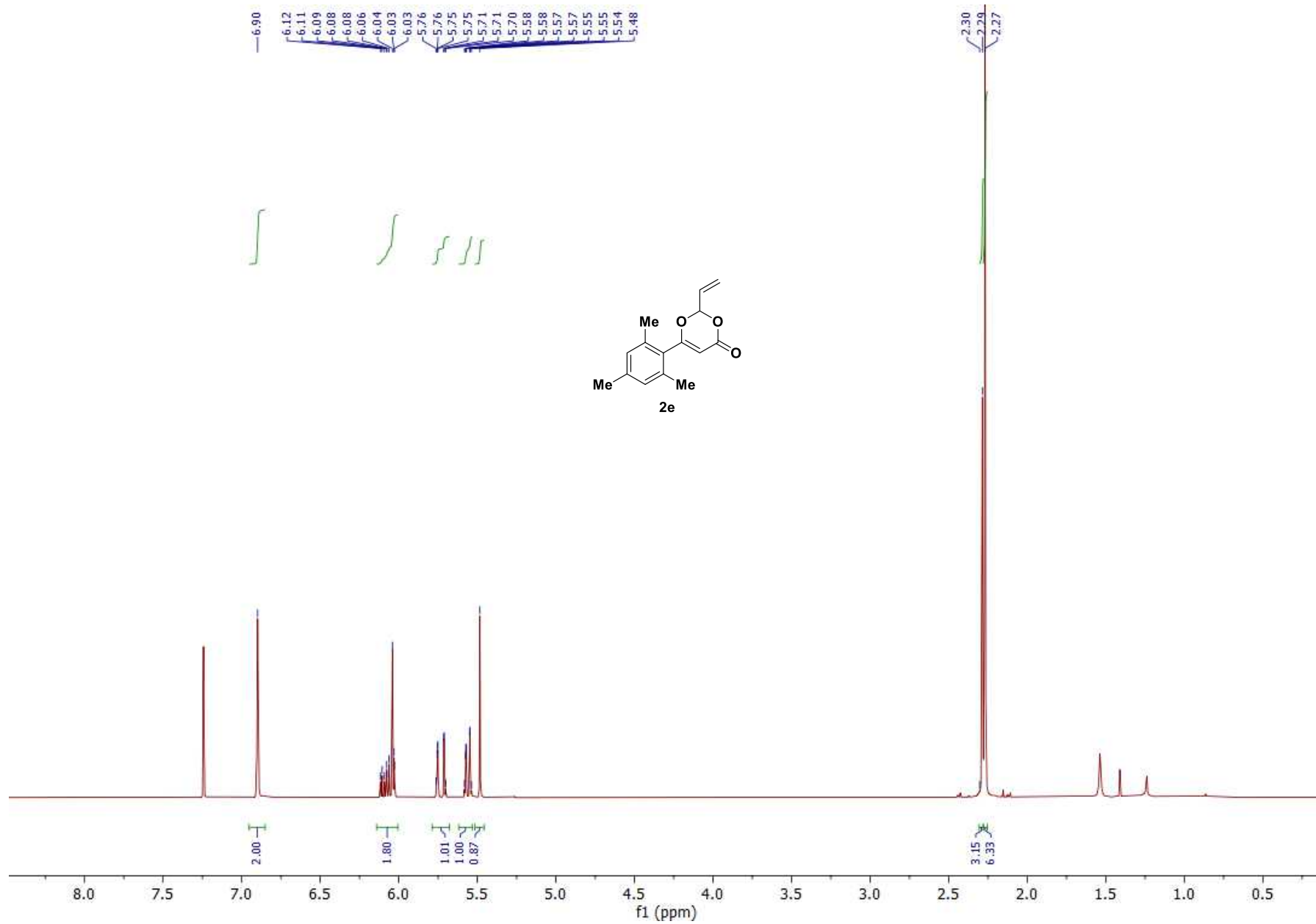
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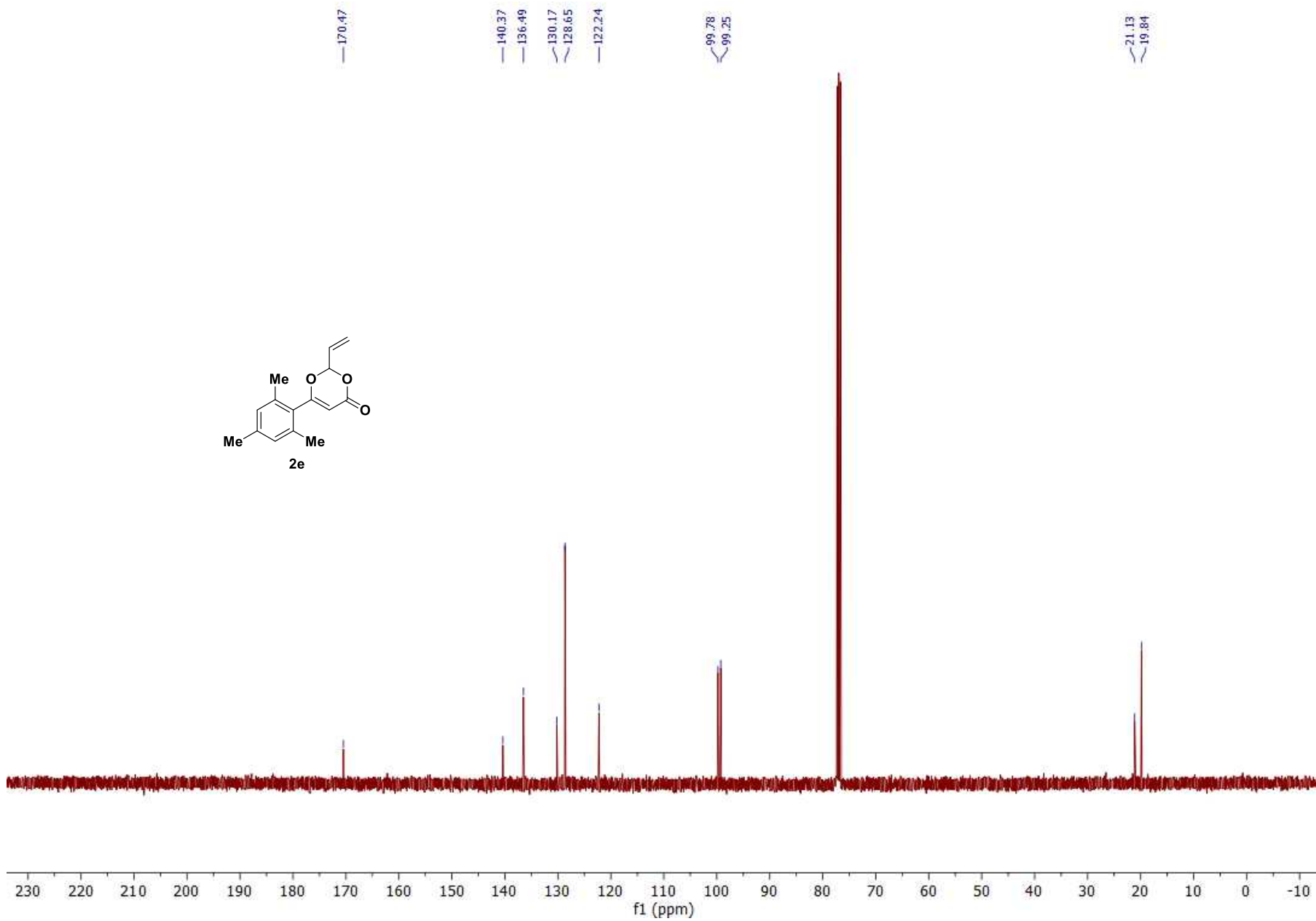
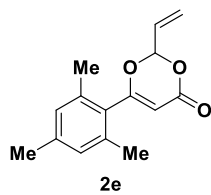
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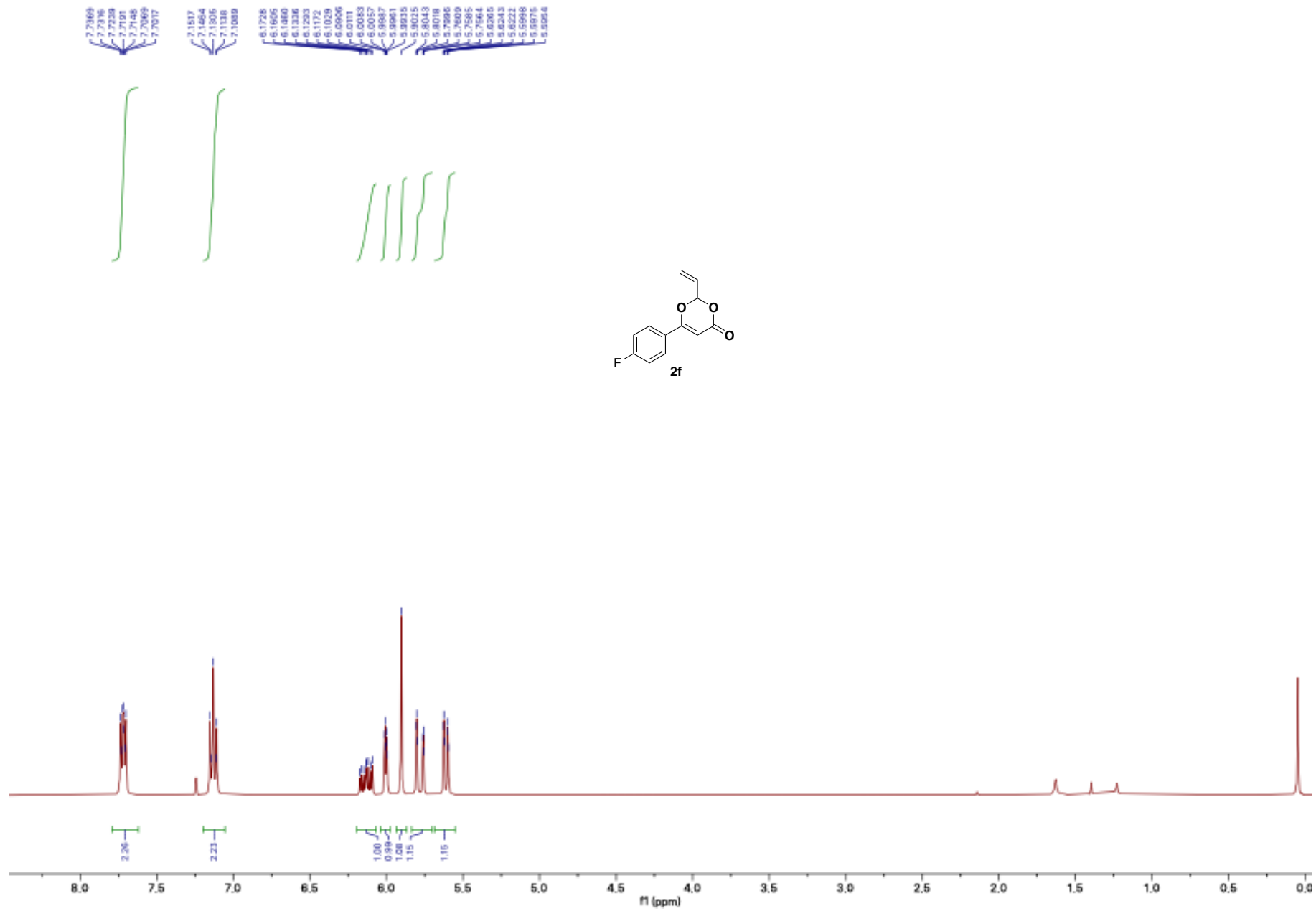




S54



S55



166.91
166.64
164.01
162.54

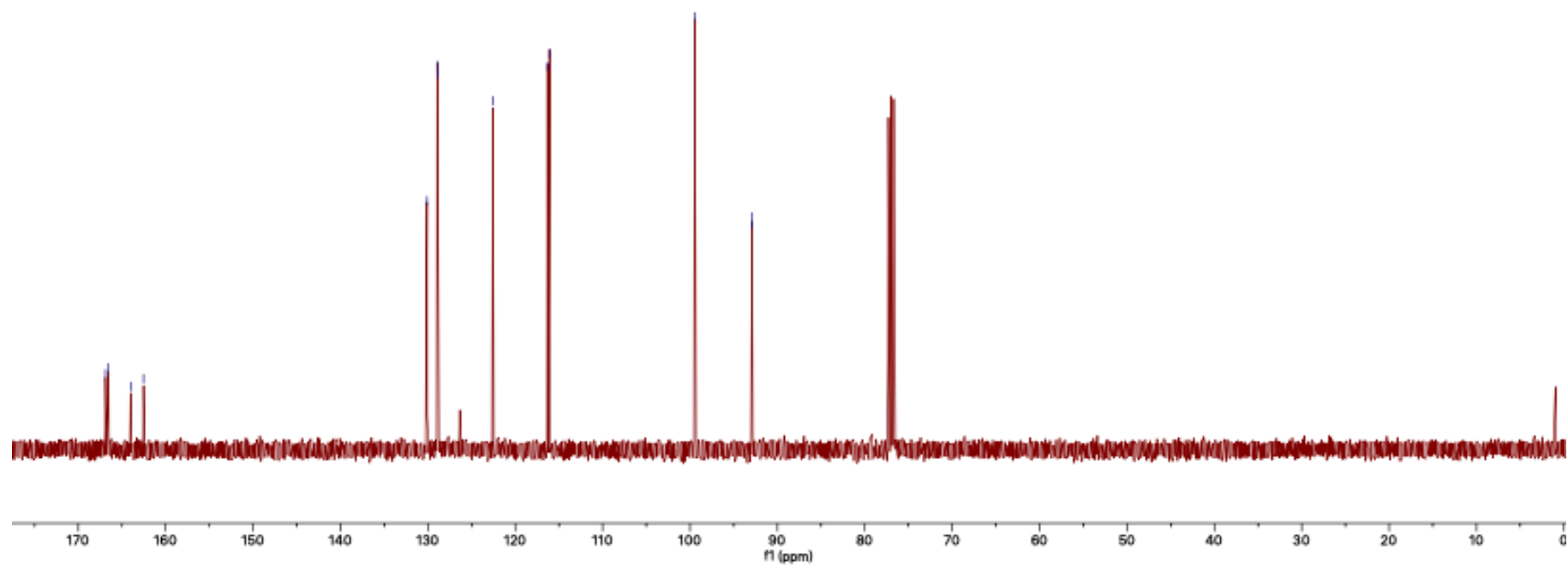
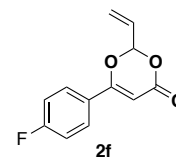
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128.84

122.96

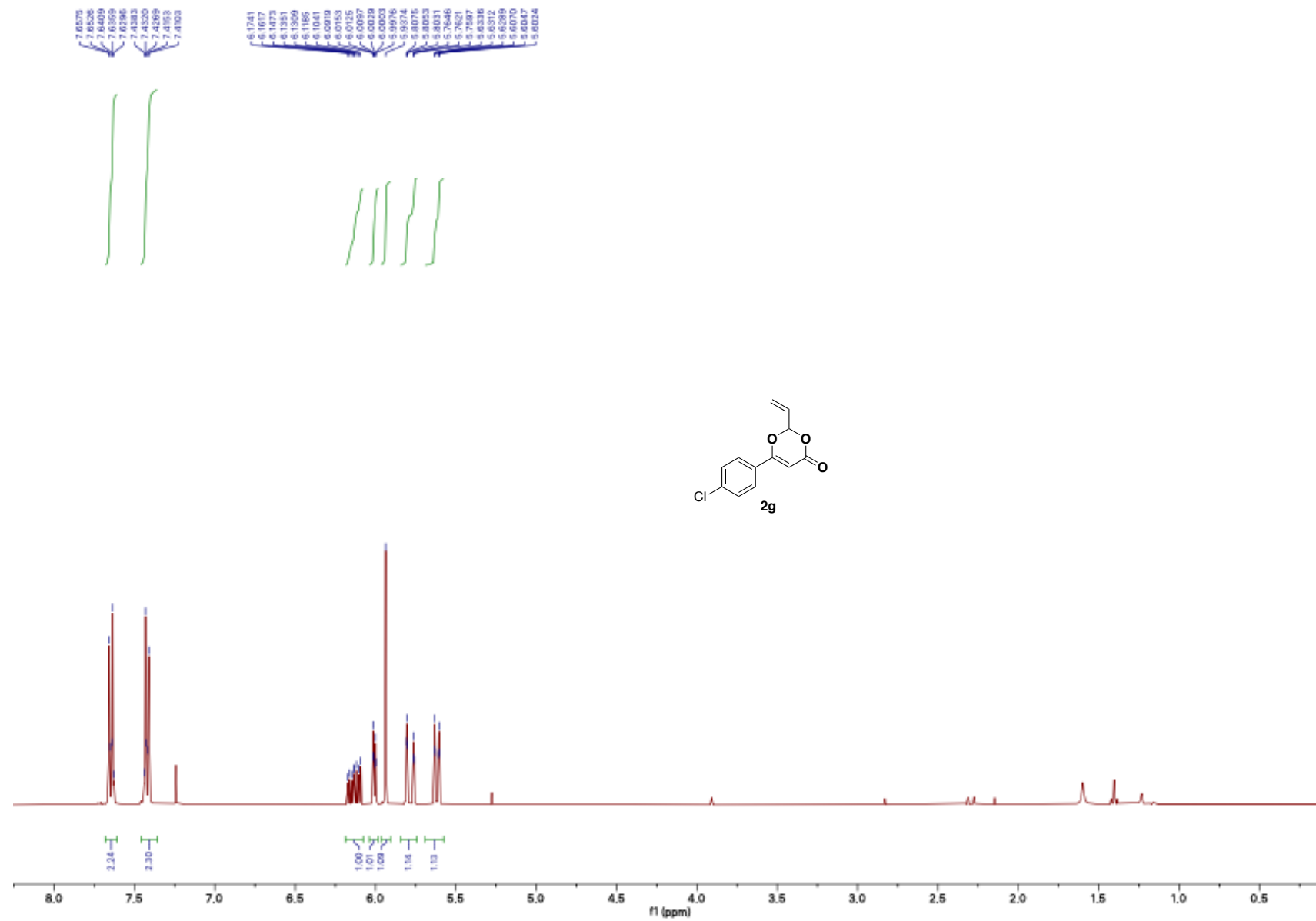
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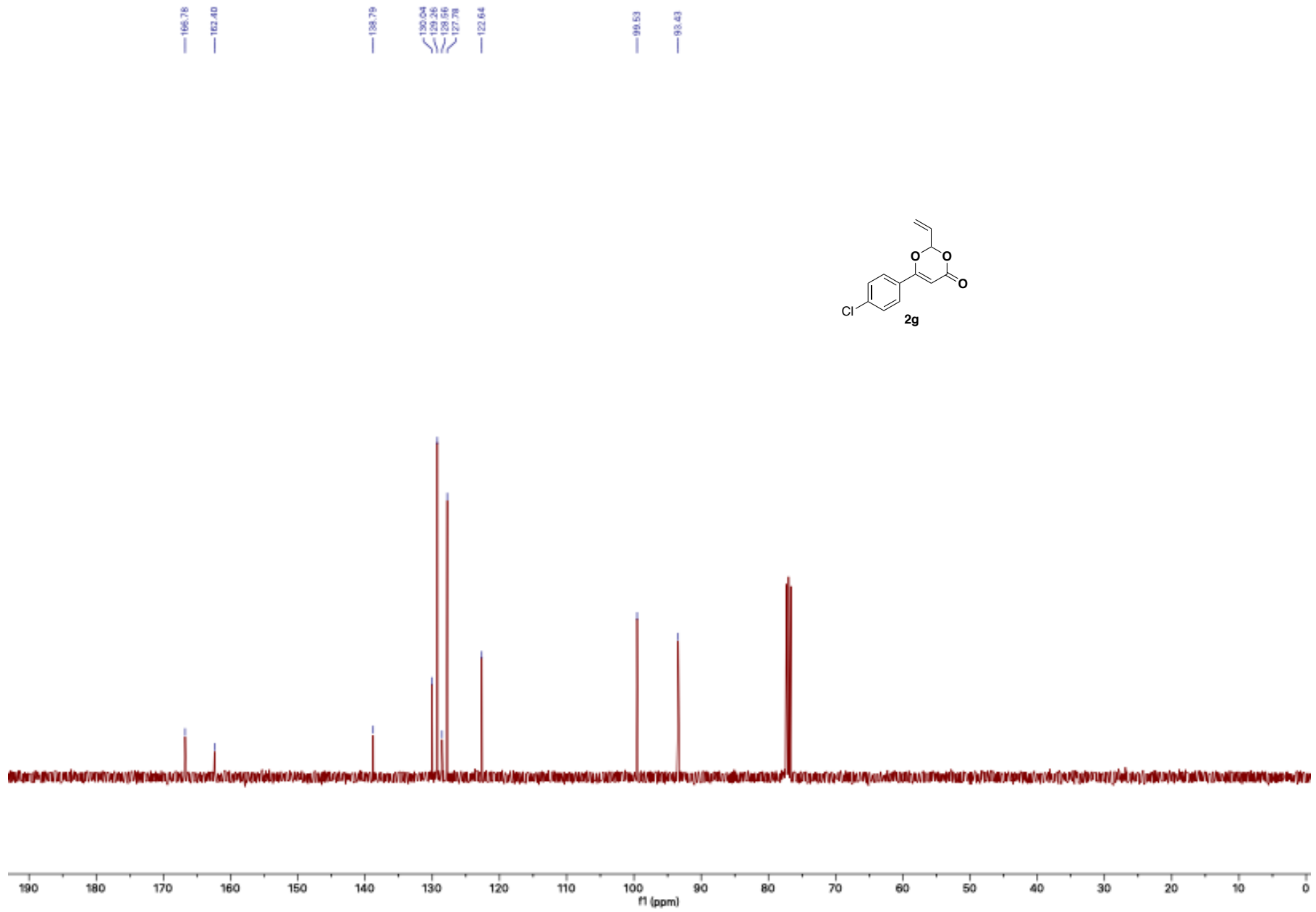
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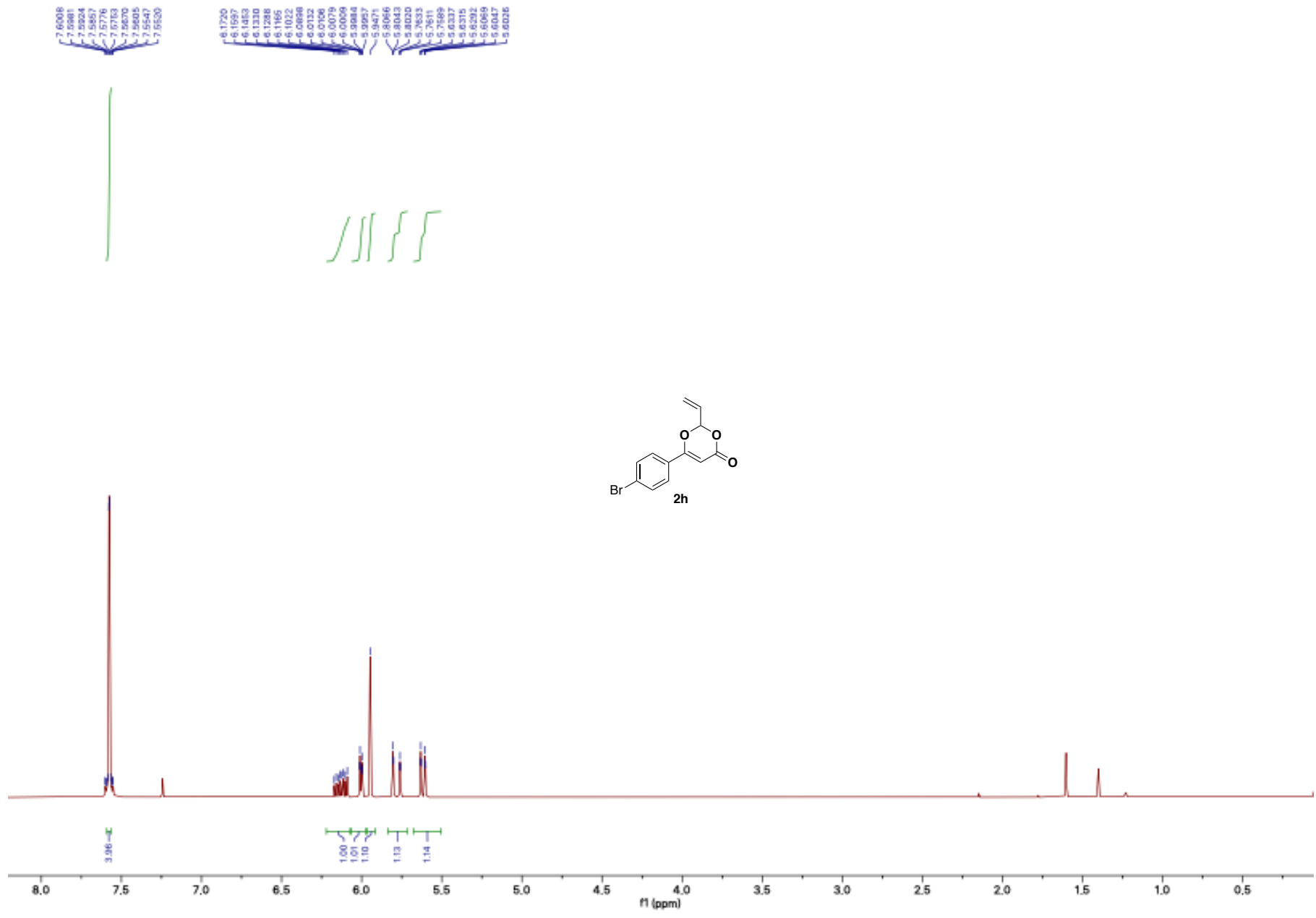
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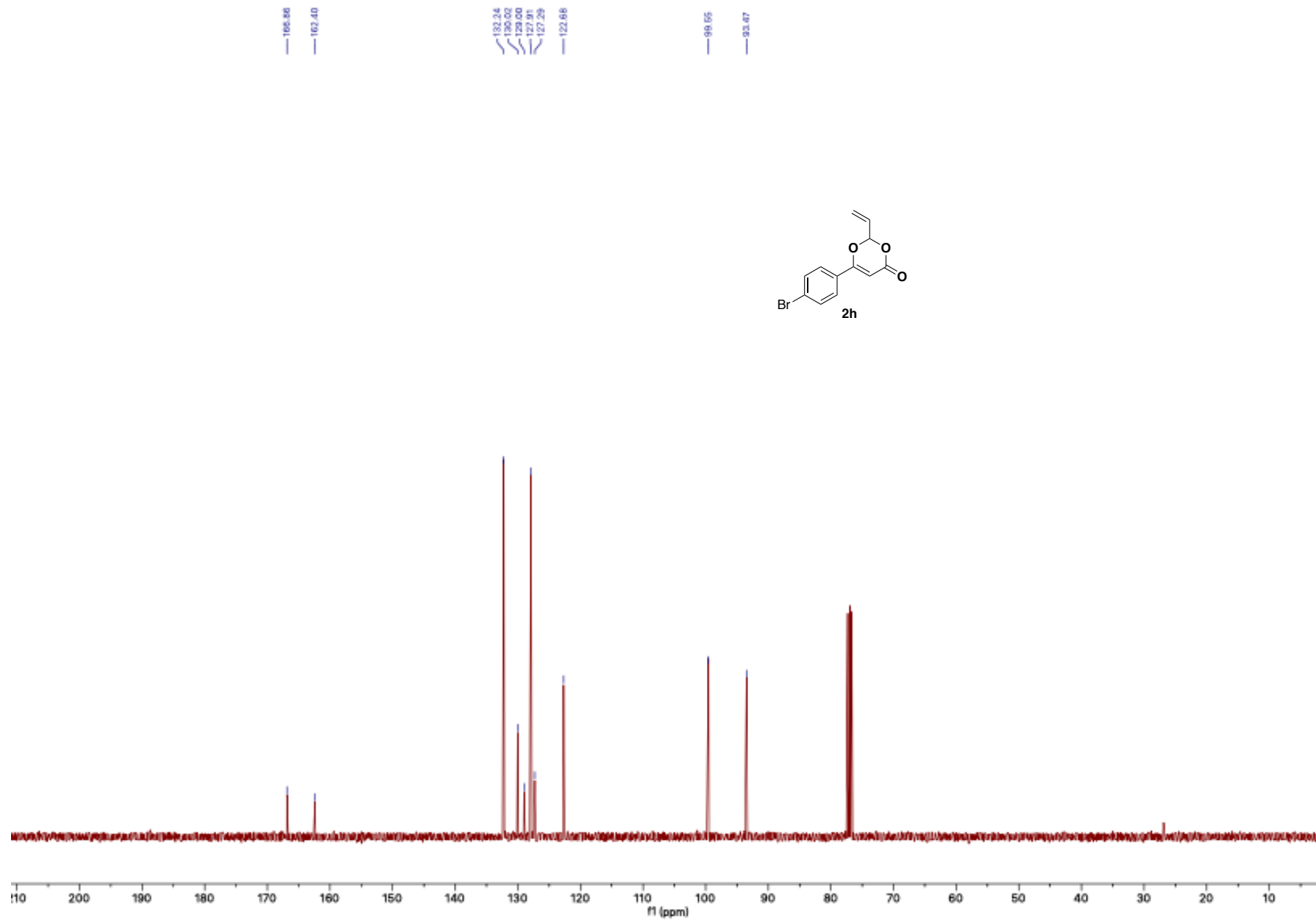
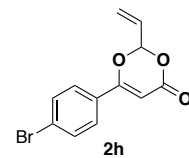


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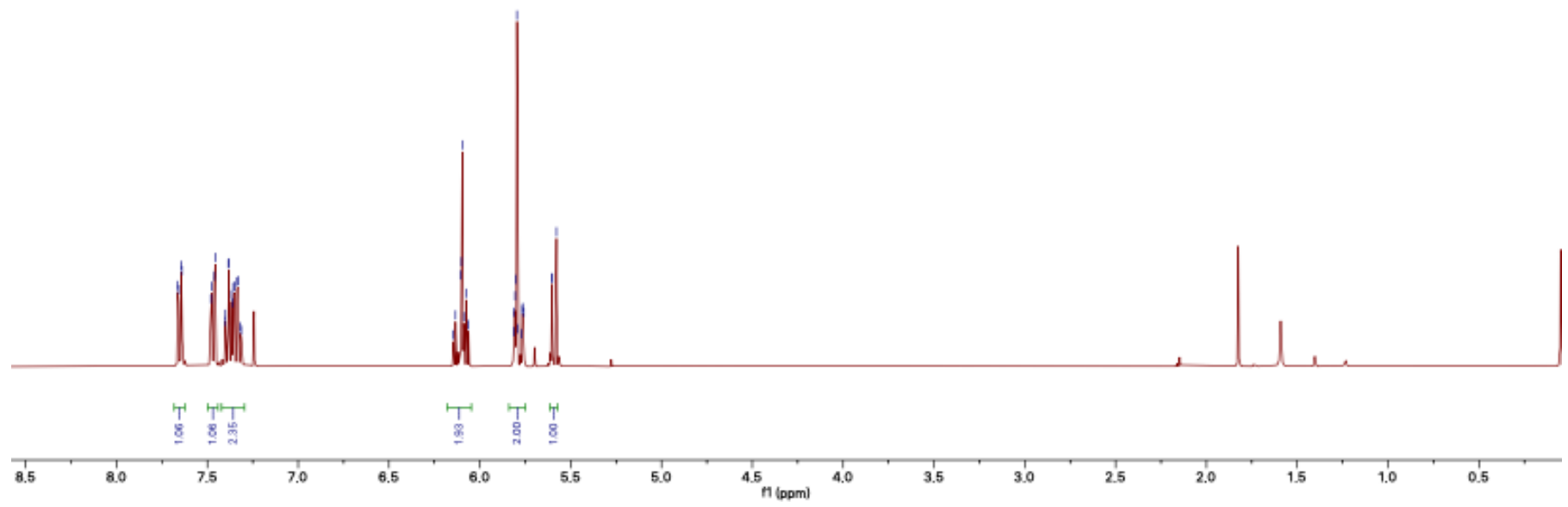
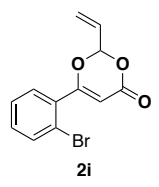




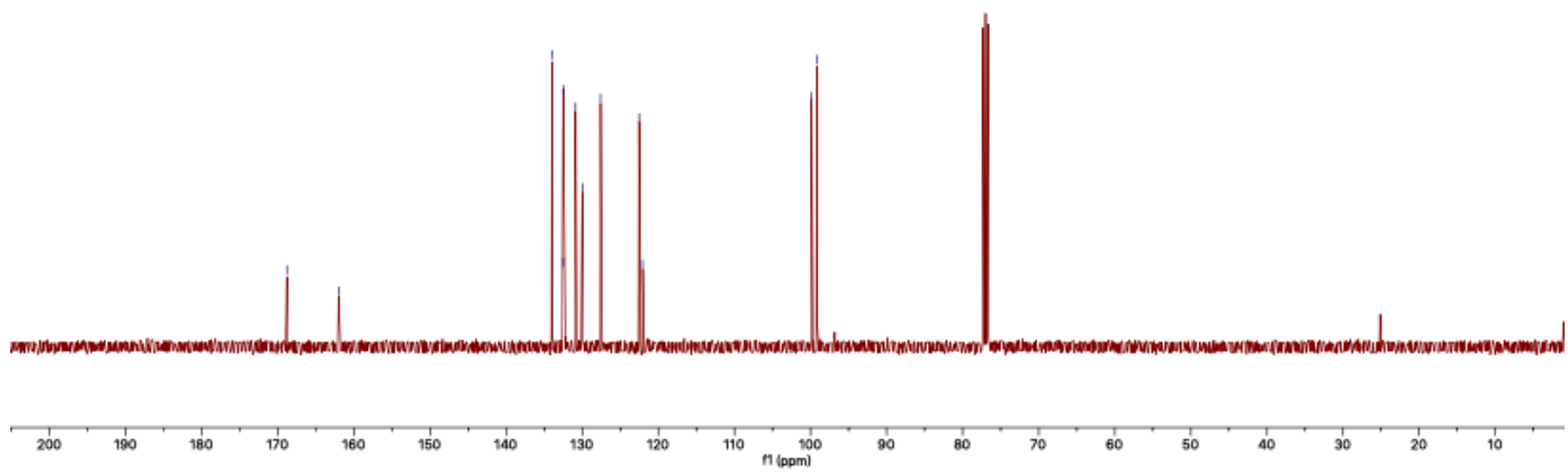
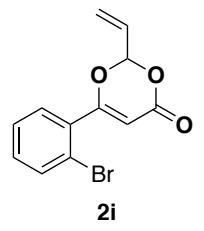


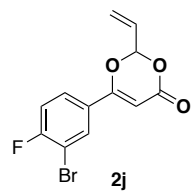
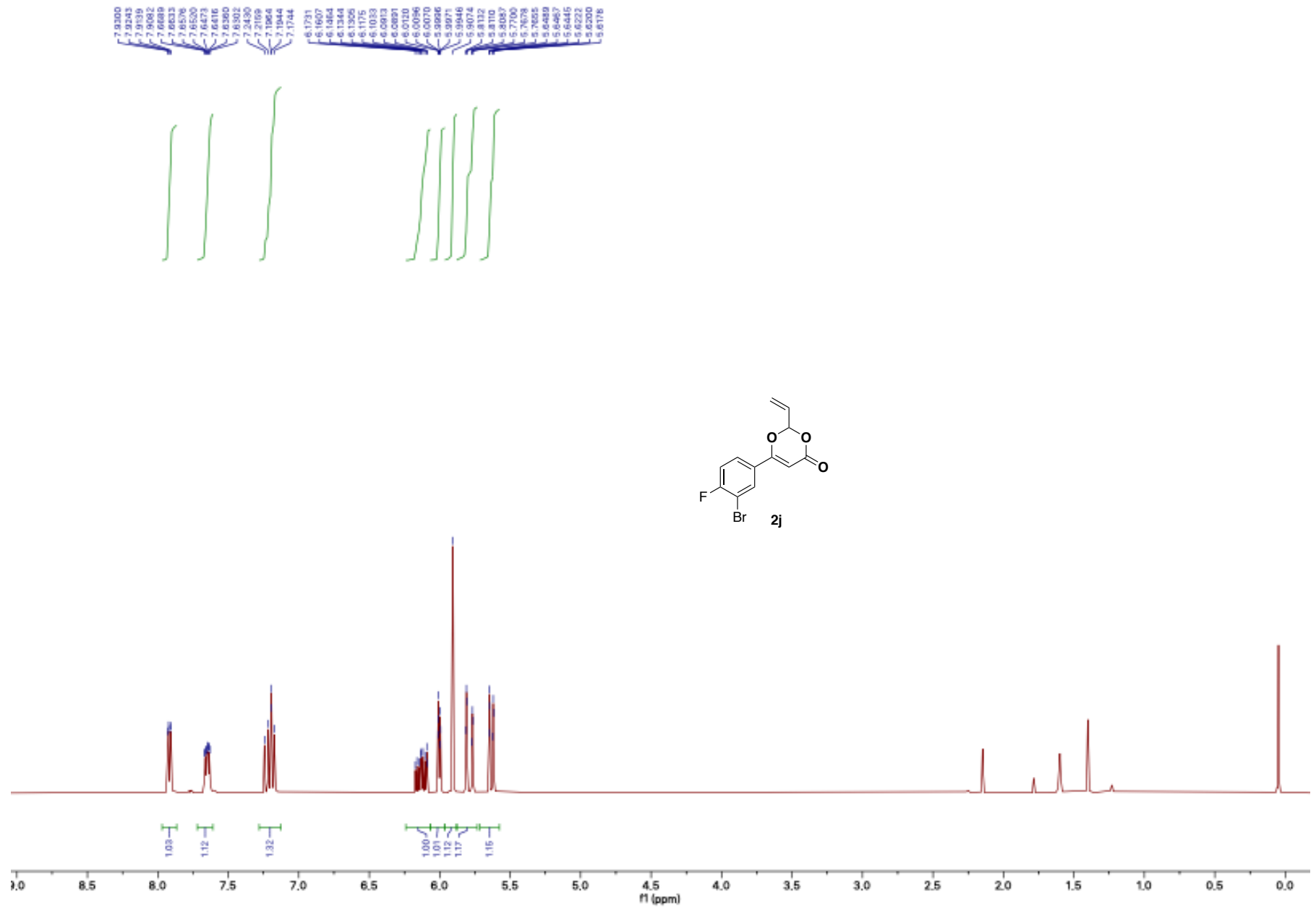


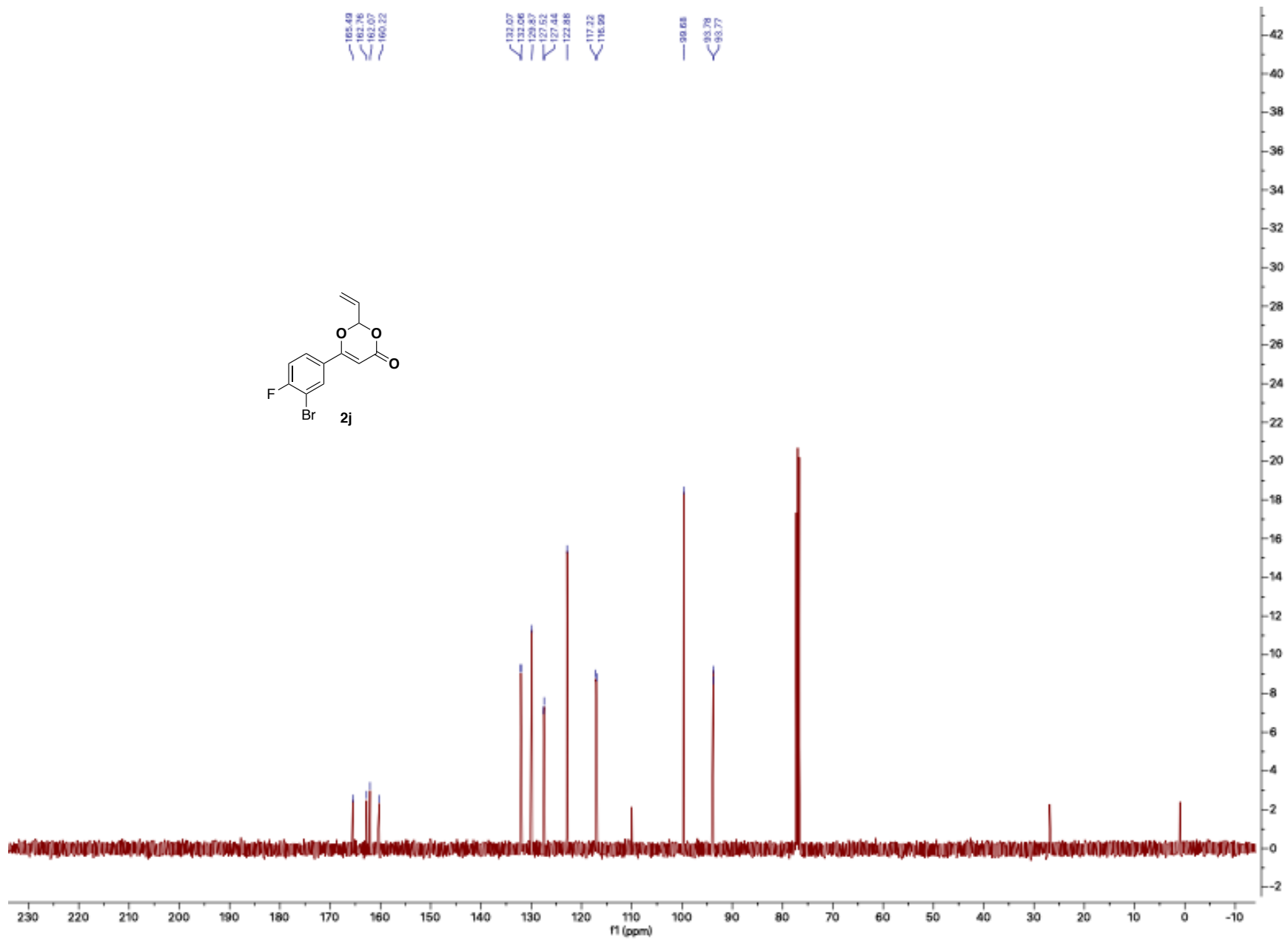
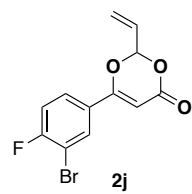
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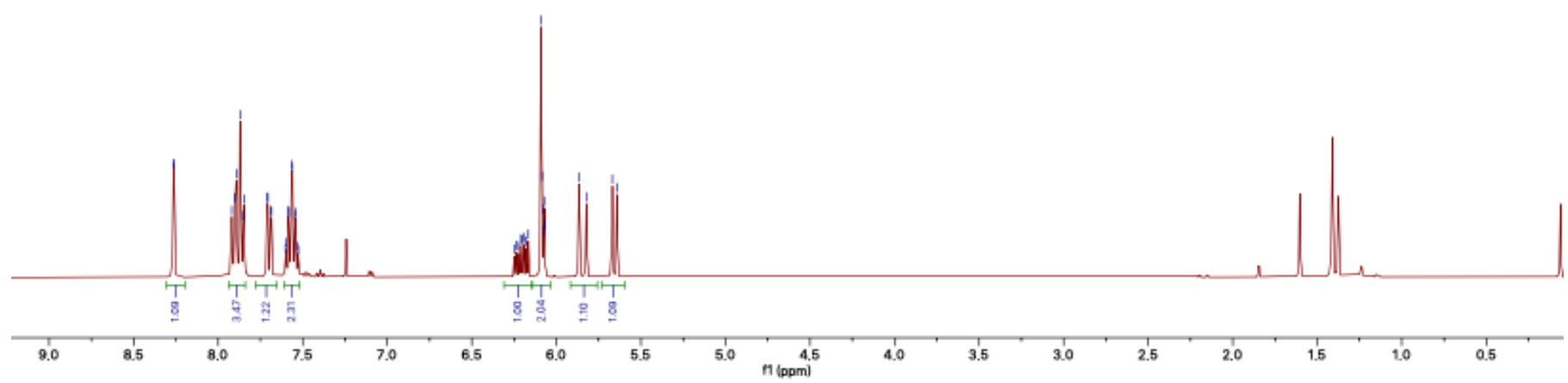
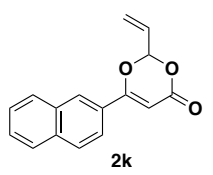
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98.86
98.16

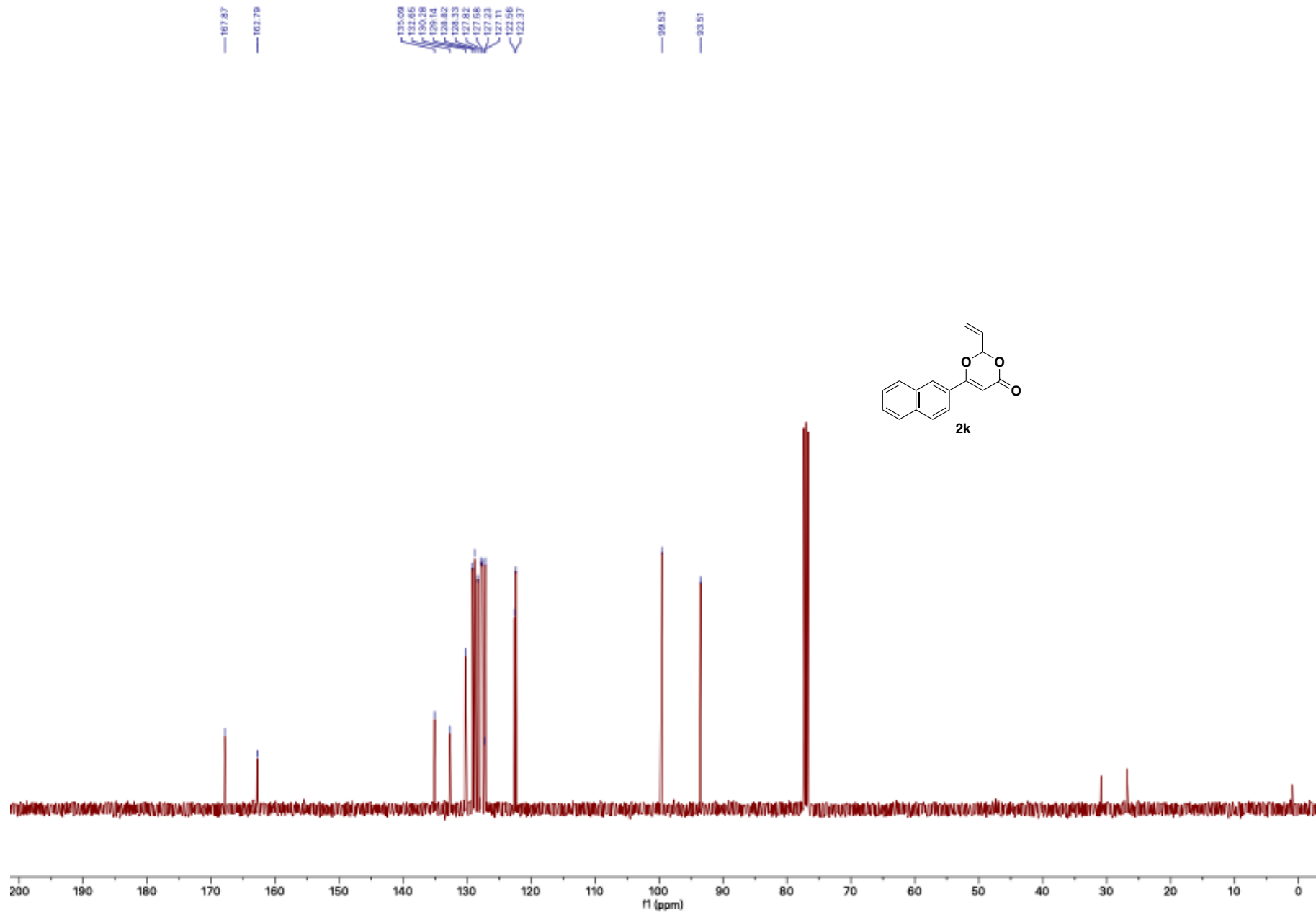




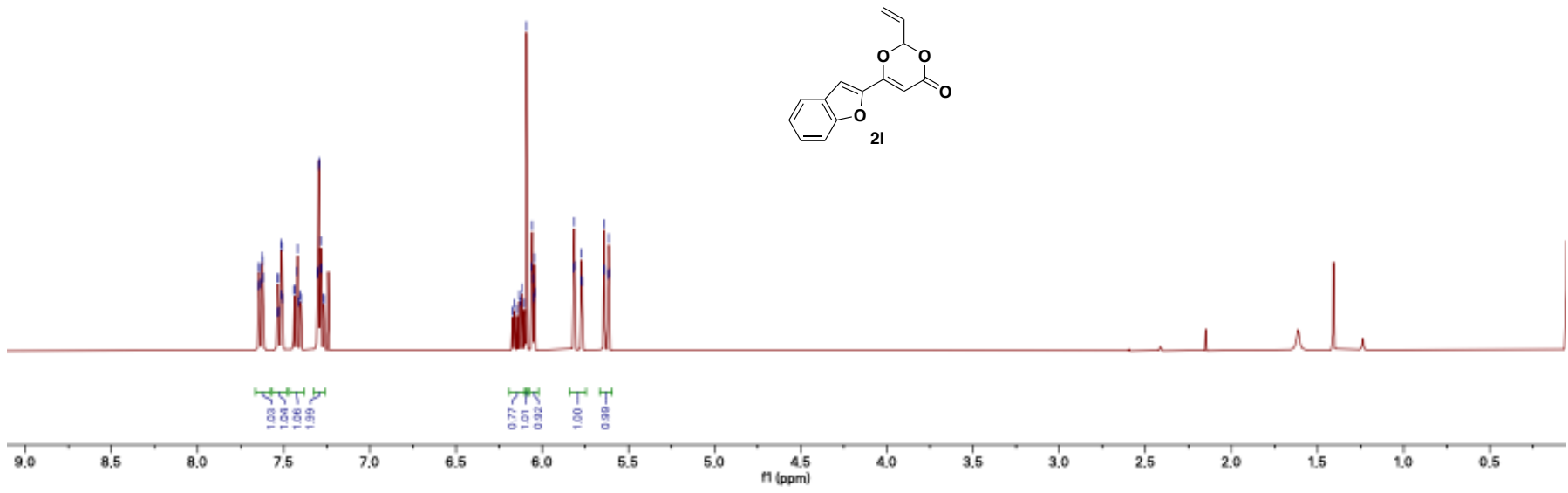
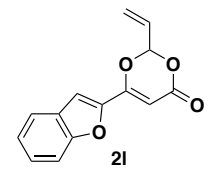


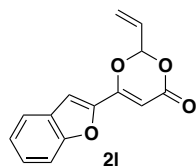
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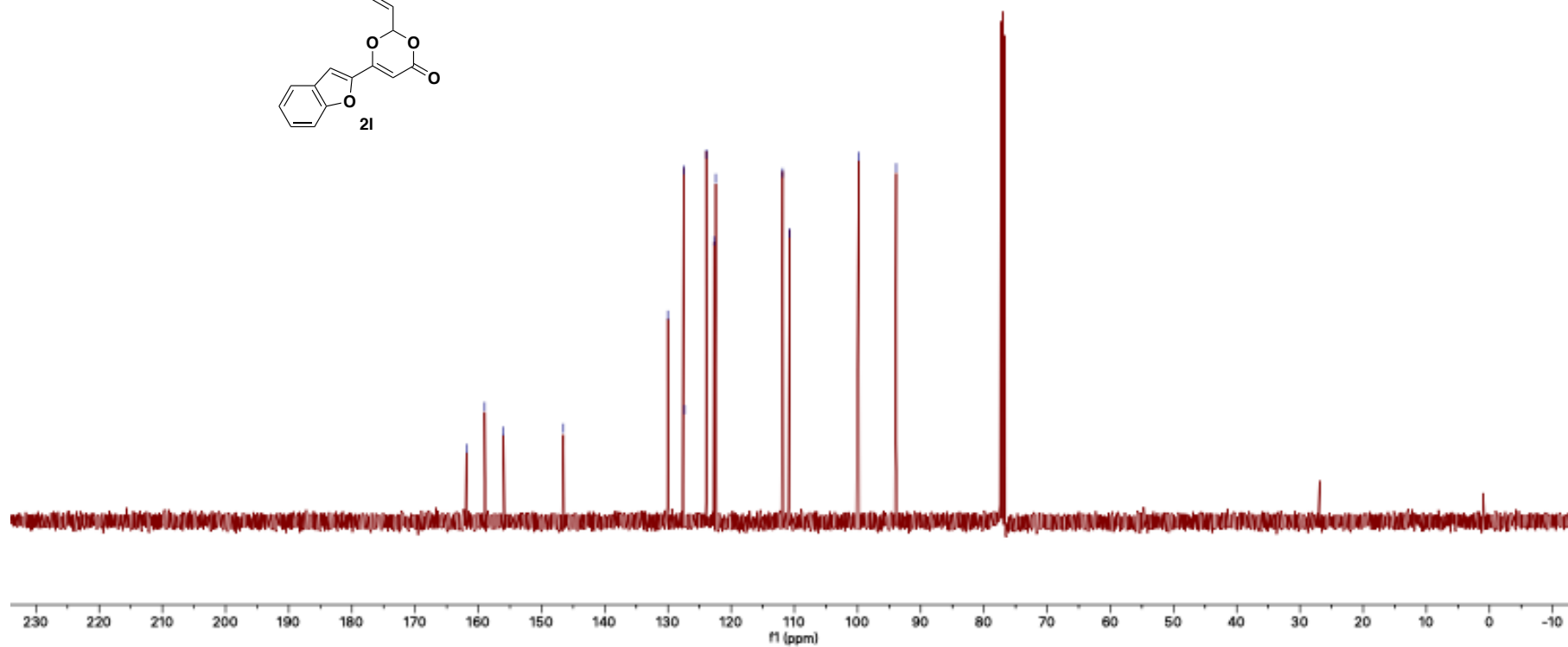


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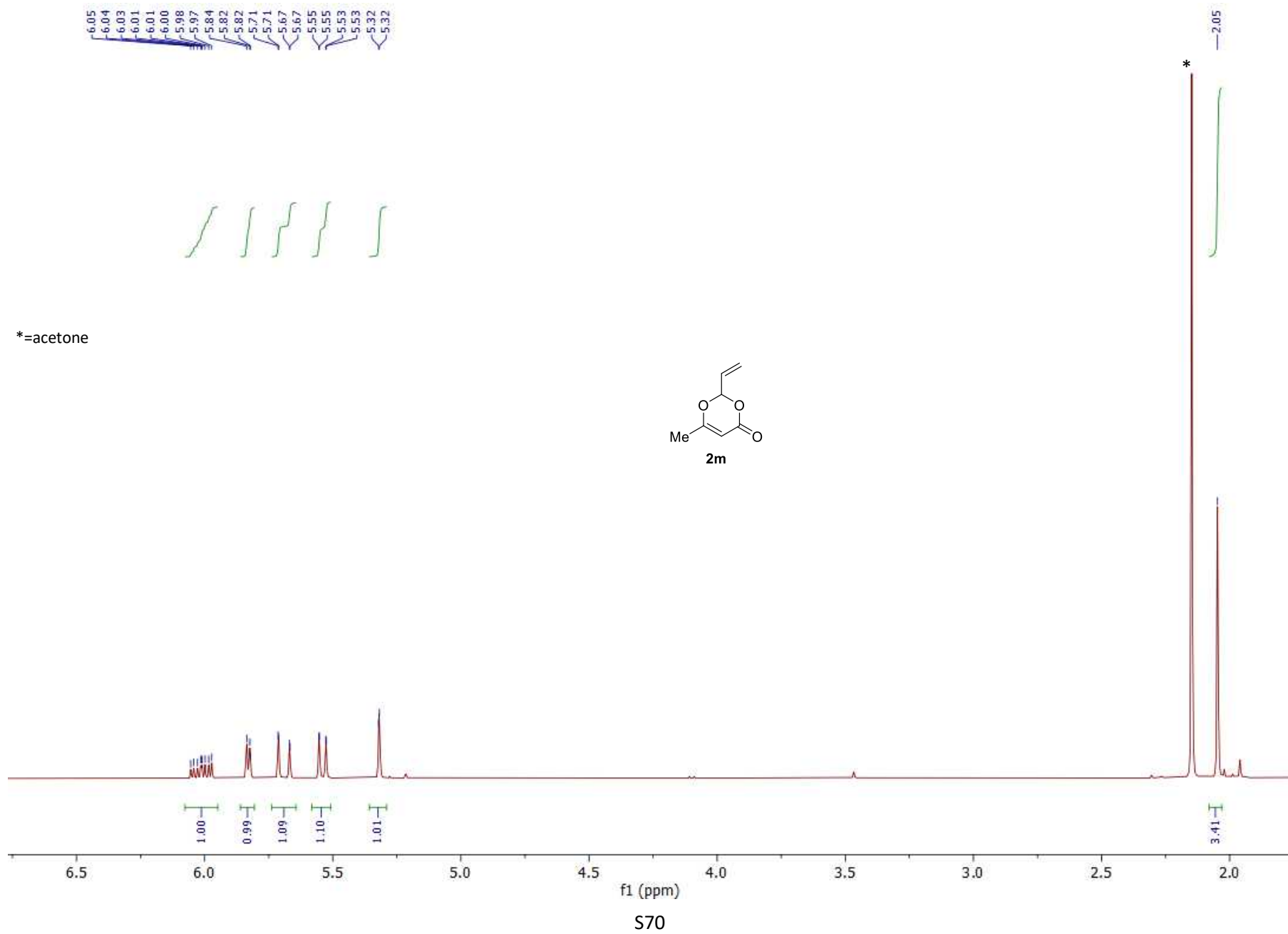


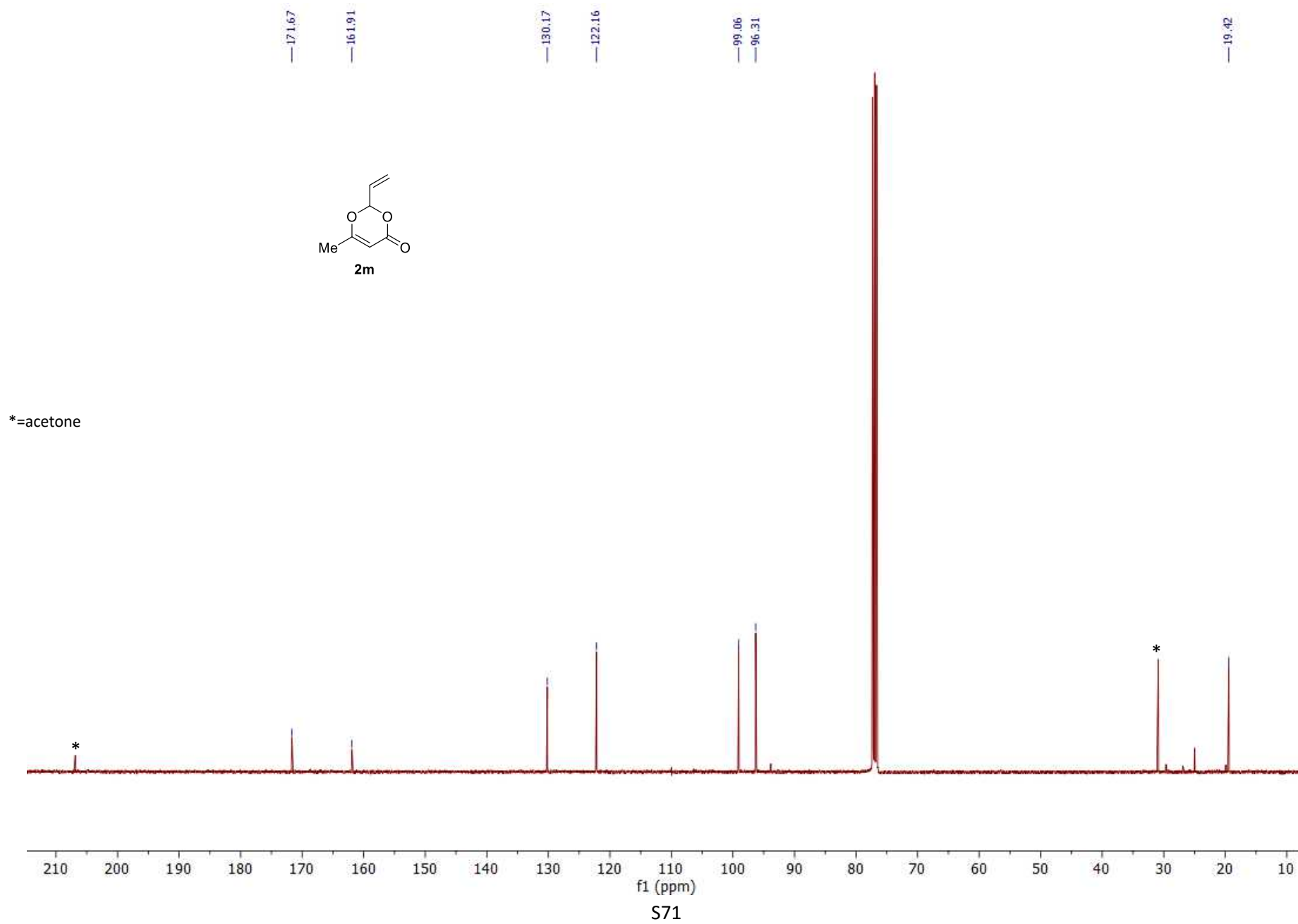
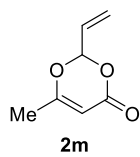


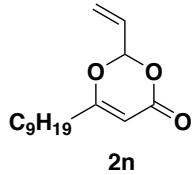
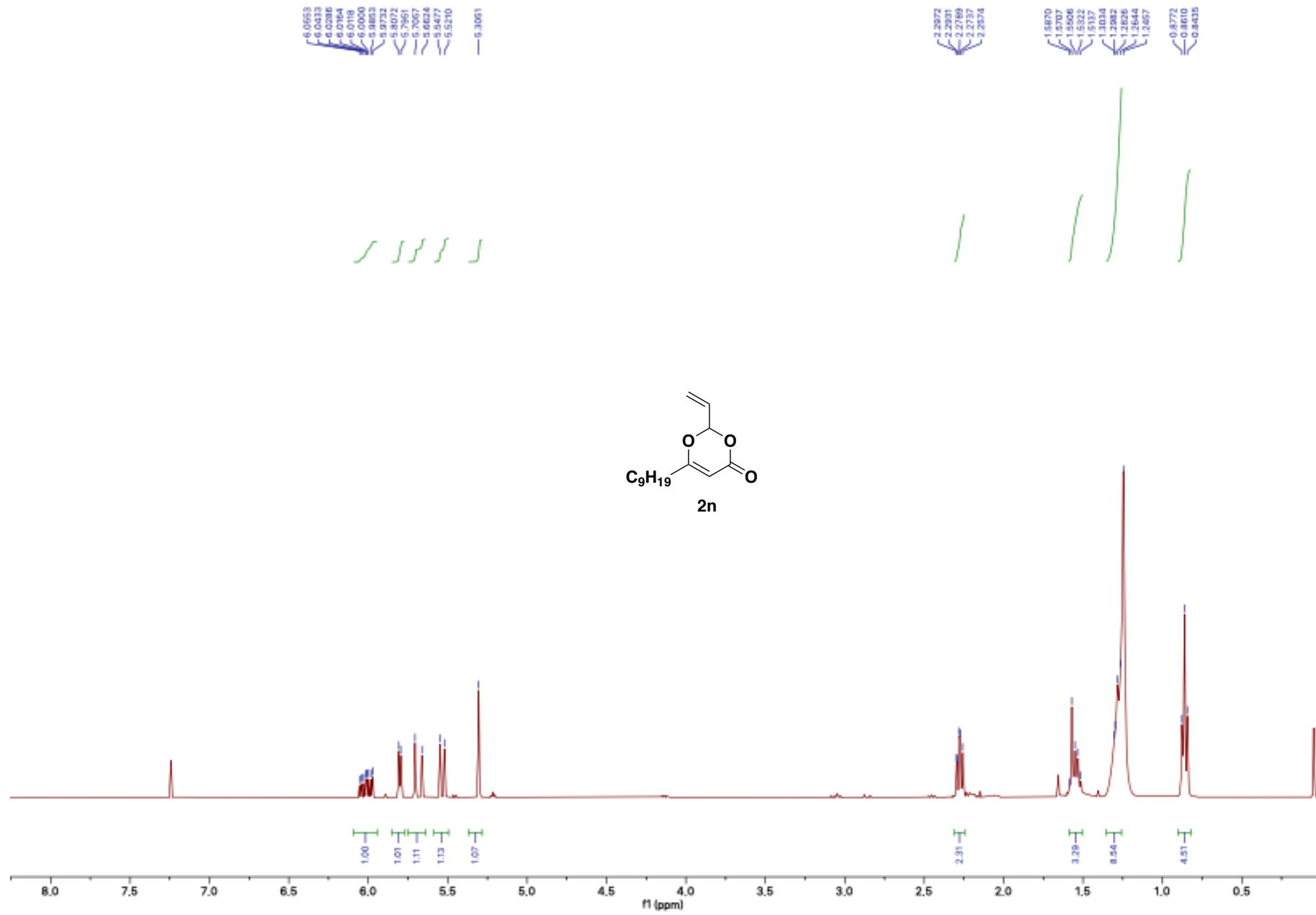
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159.01
156.01
146.55
130.03
127.63
127.36
123.84
122.70
122.45
111.80
110.75
99.81
93.89

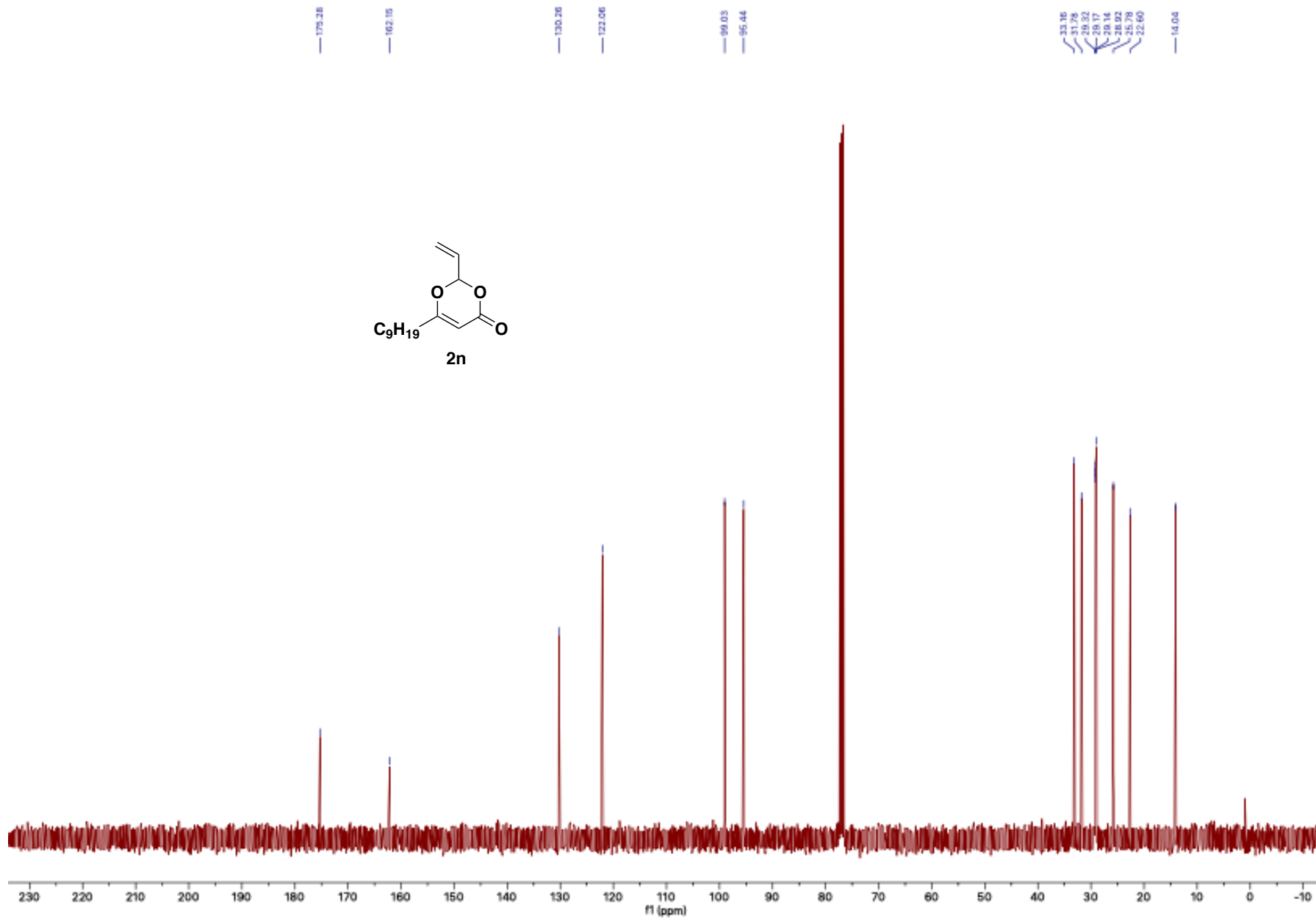
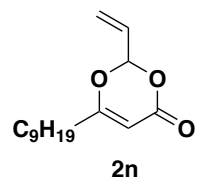


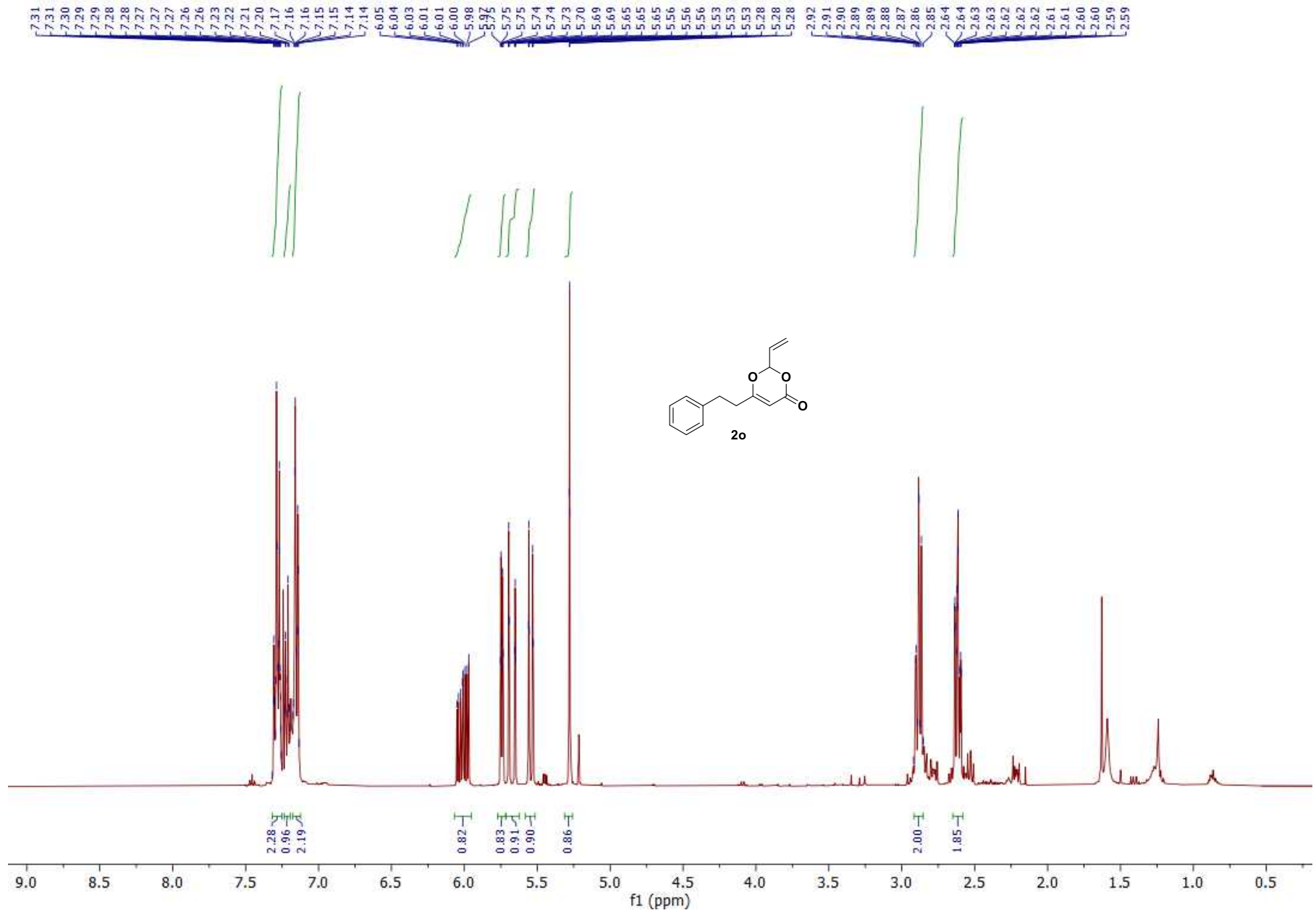
S69

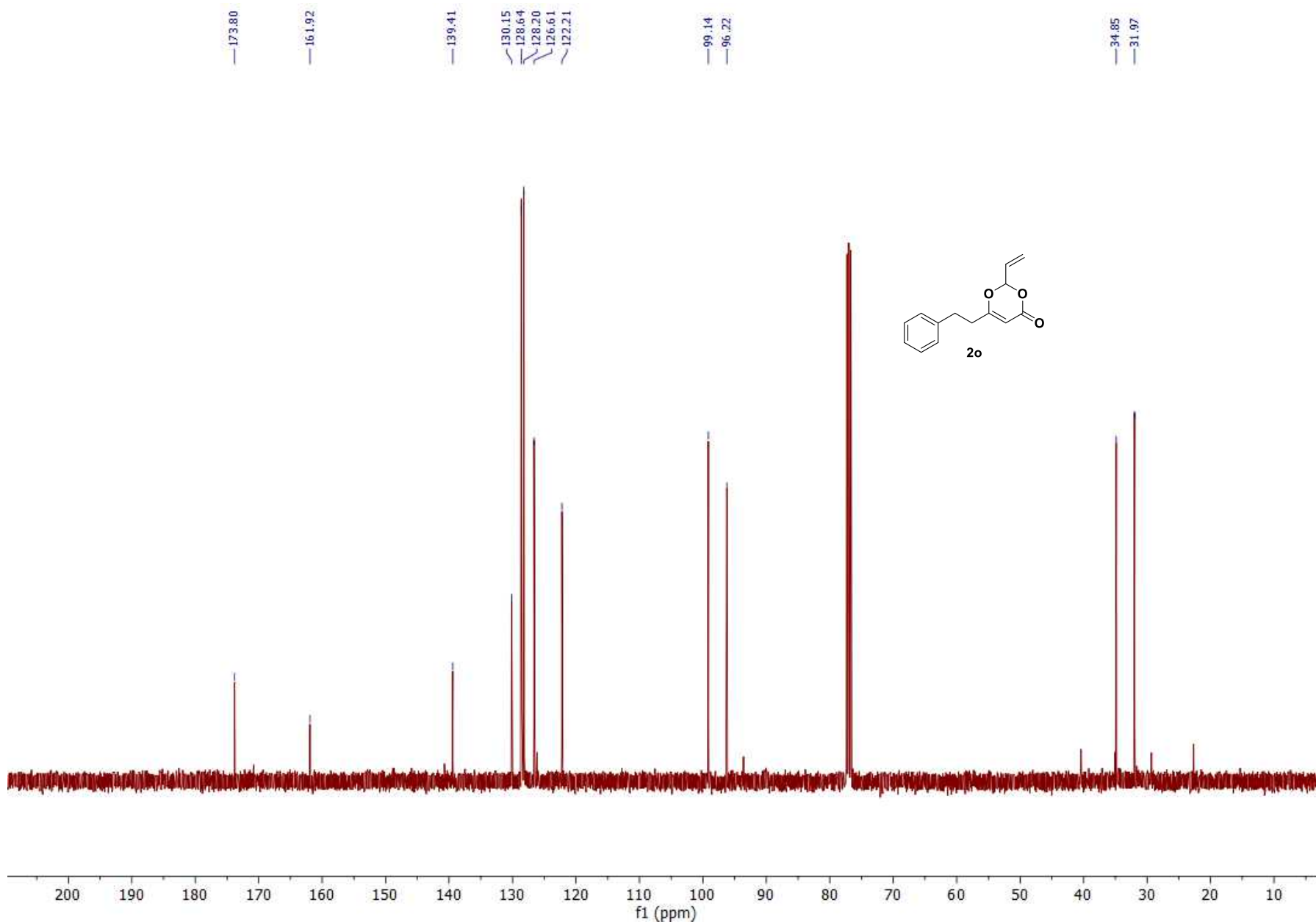












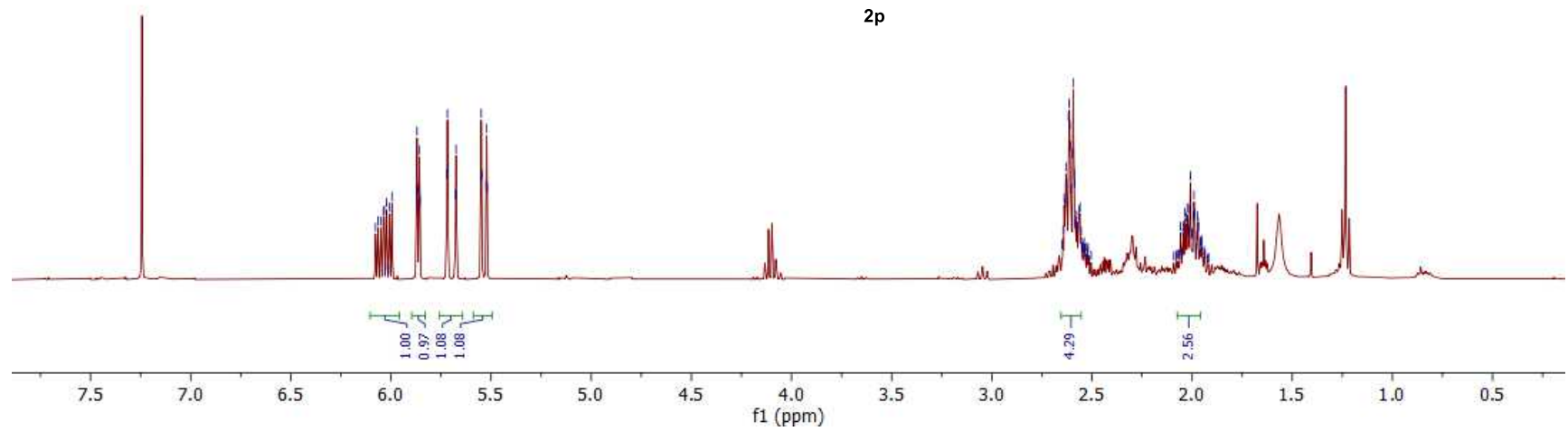
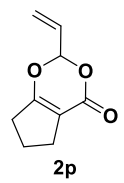
S75

6.08
6.06
6.05
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6.03
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6.01
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5.86
5.86
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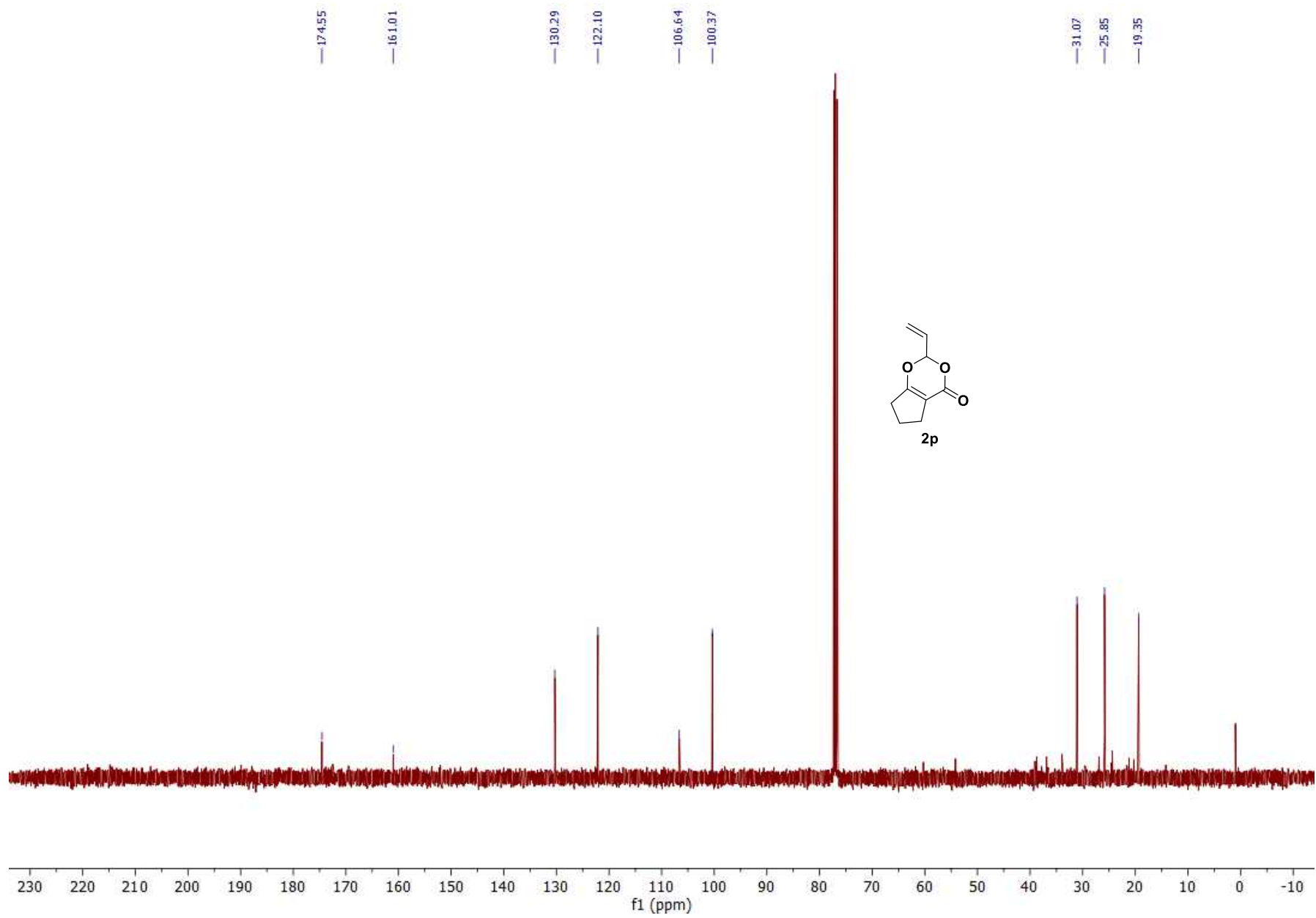
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4.29

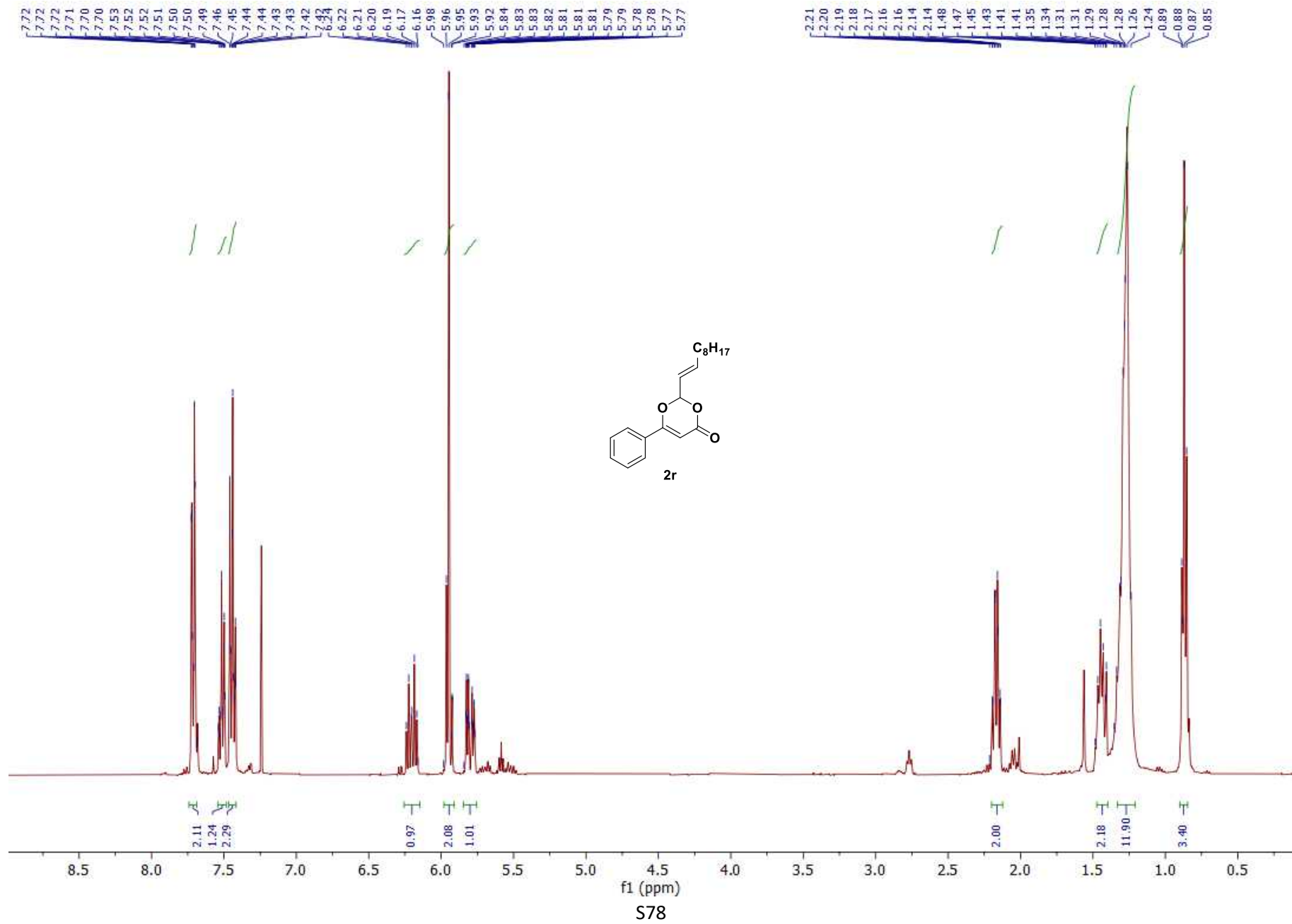
2.56



S76



S77



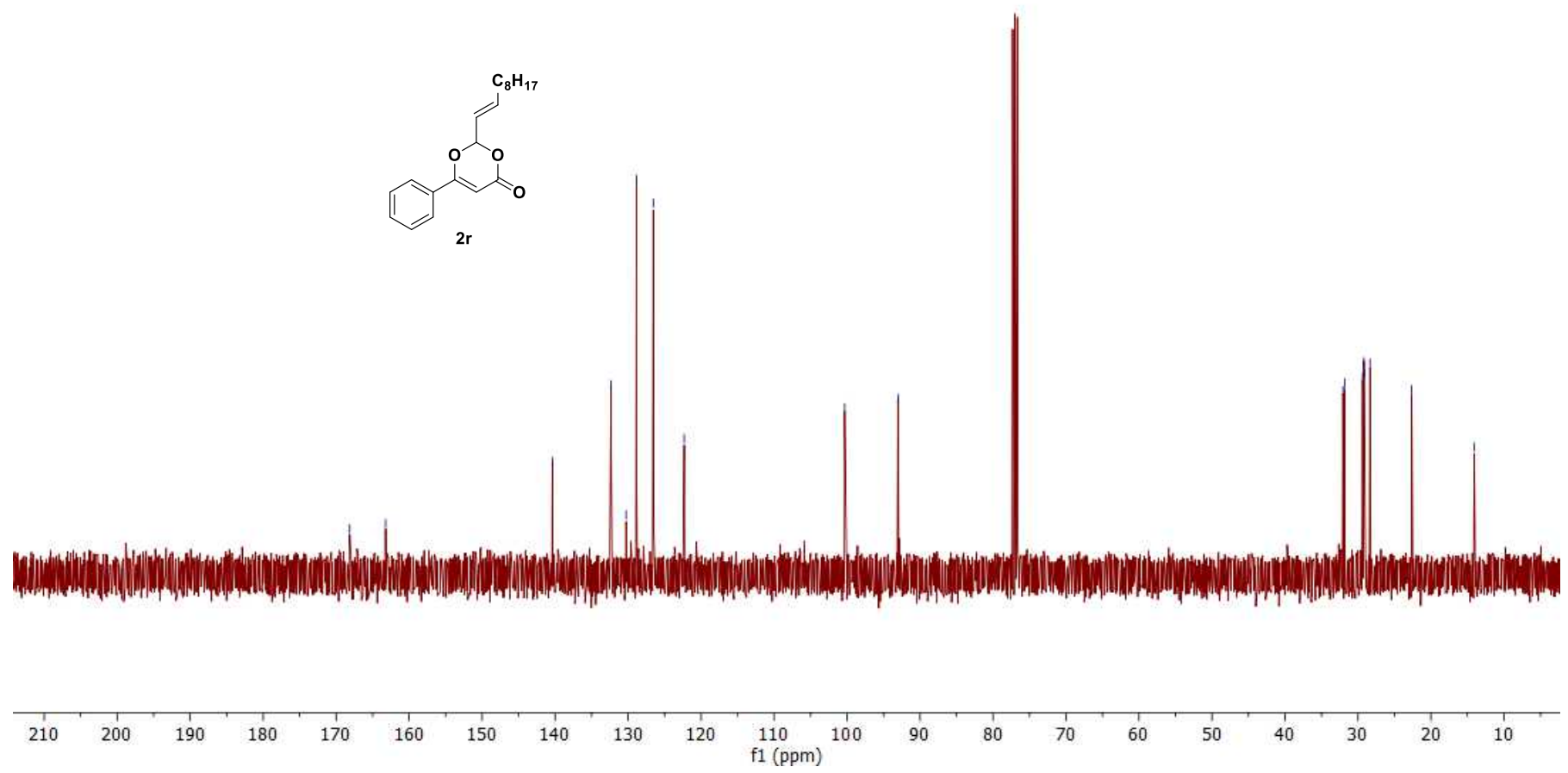
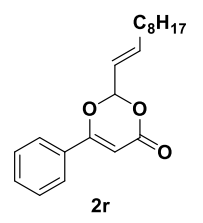
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—163.23

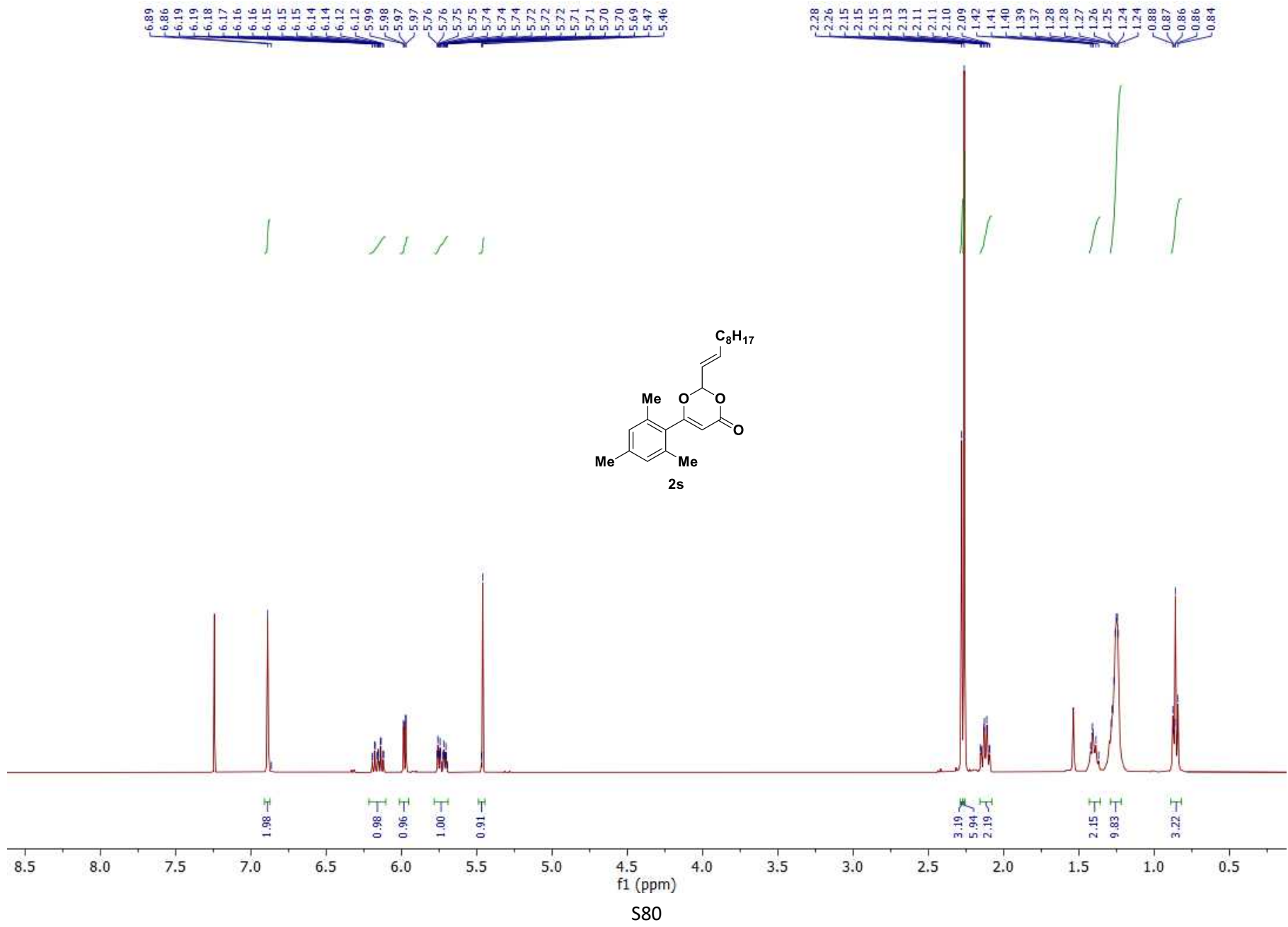
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—132.34
—130.27
—128.84
—126.54
—122.31

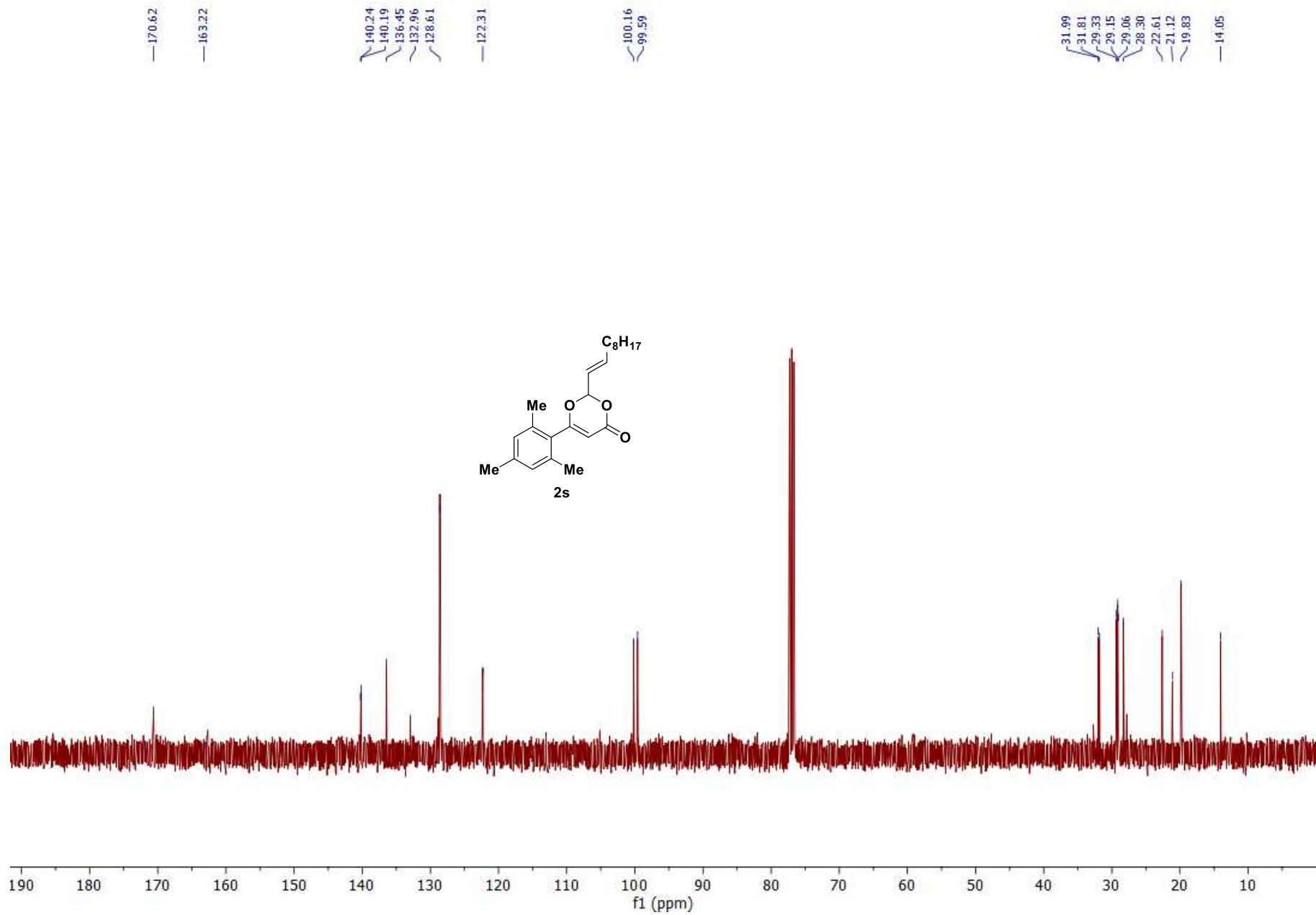
—100.33
—93.02

32.06
31.83
29.36
29.19
29.10
28.35
22.63

—14.07



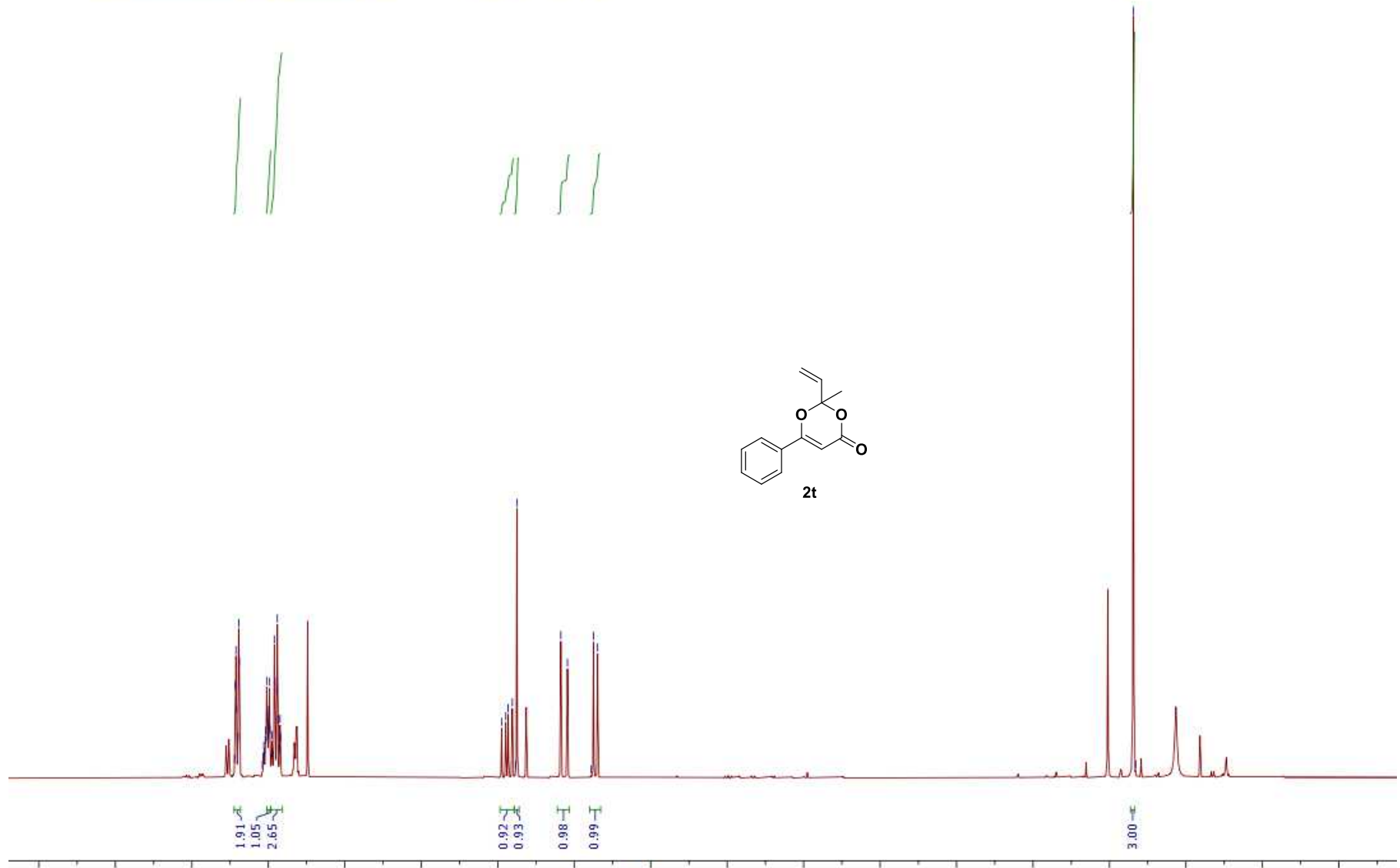
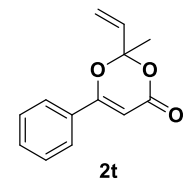




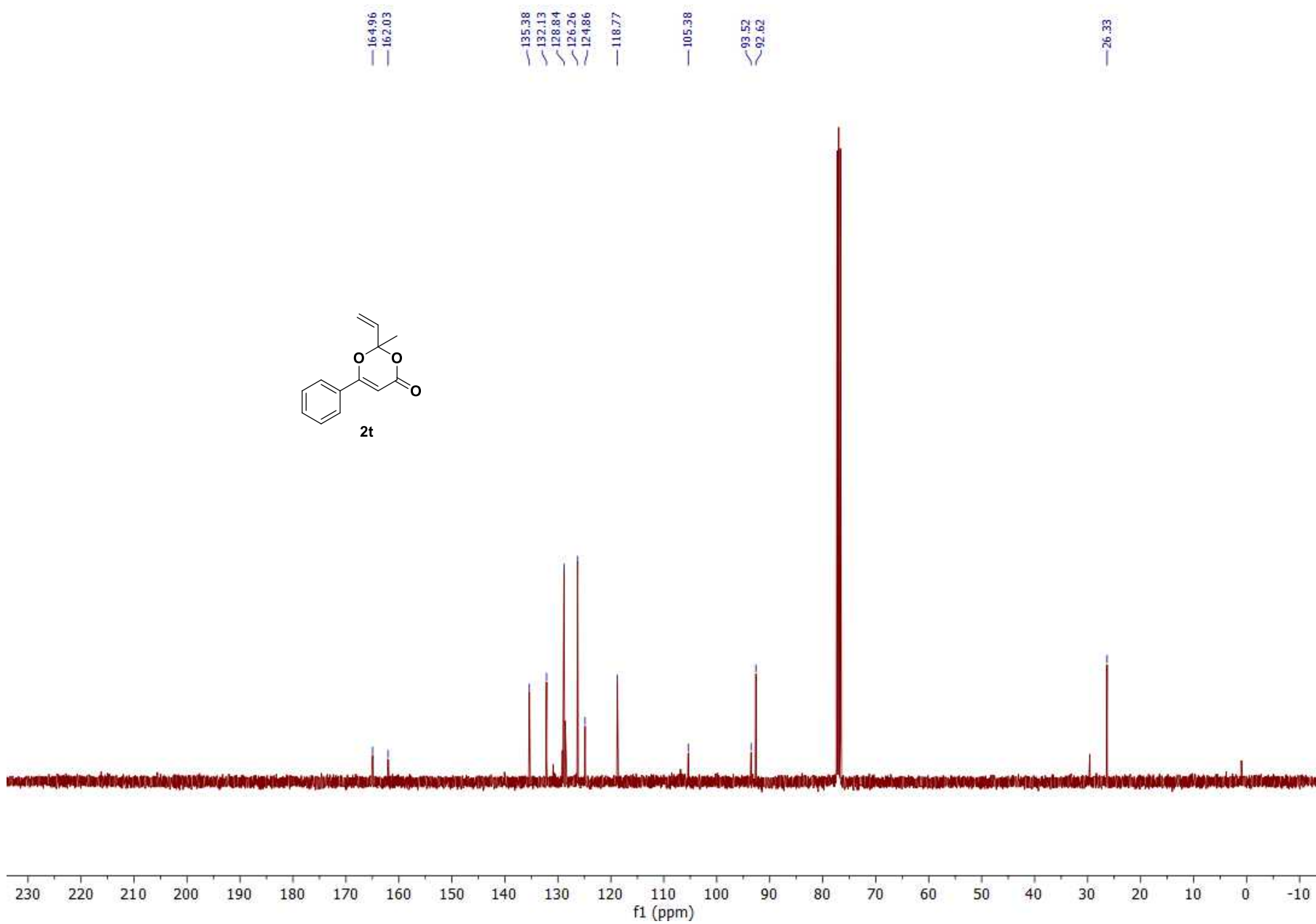
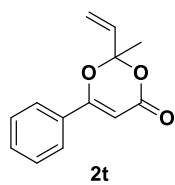
S81

7.71
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7.53
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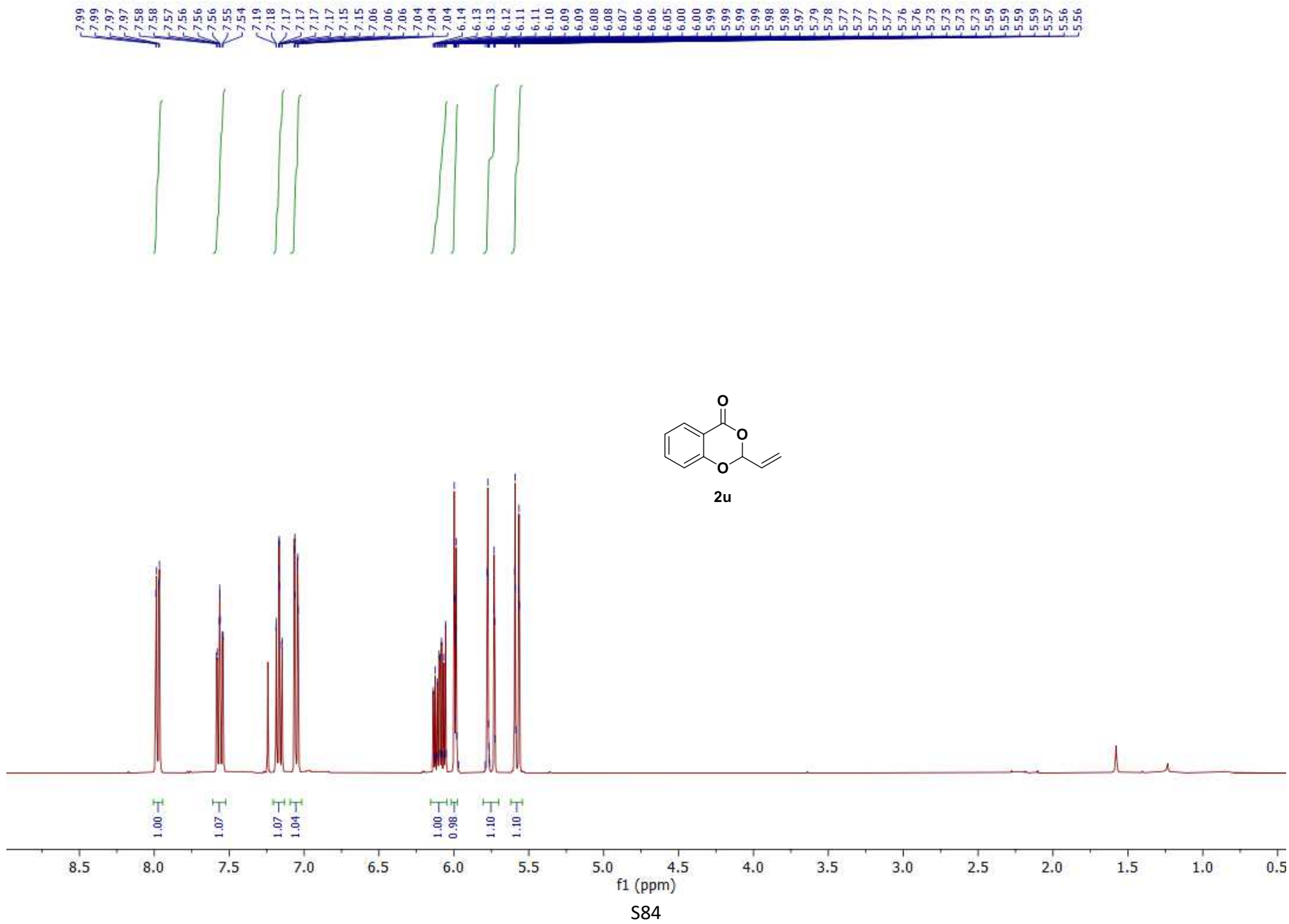
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1.83

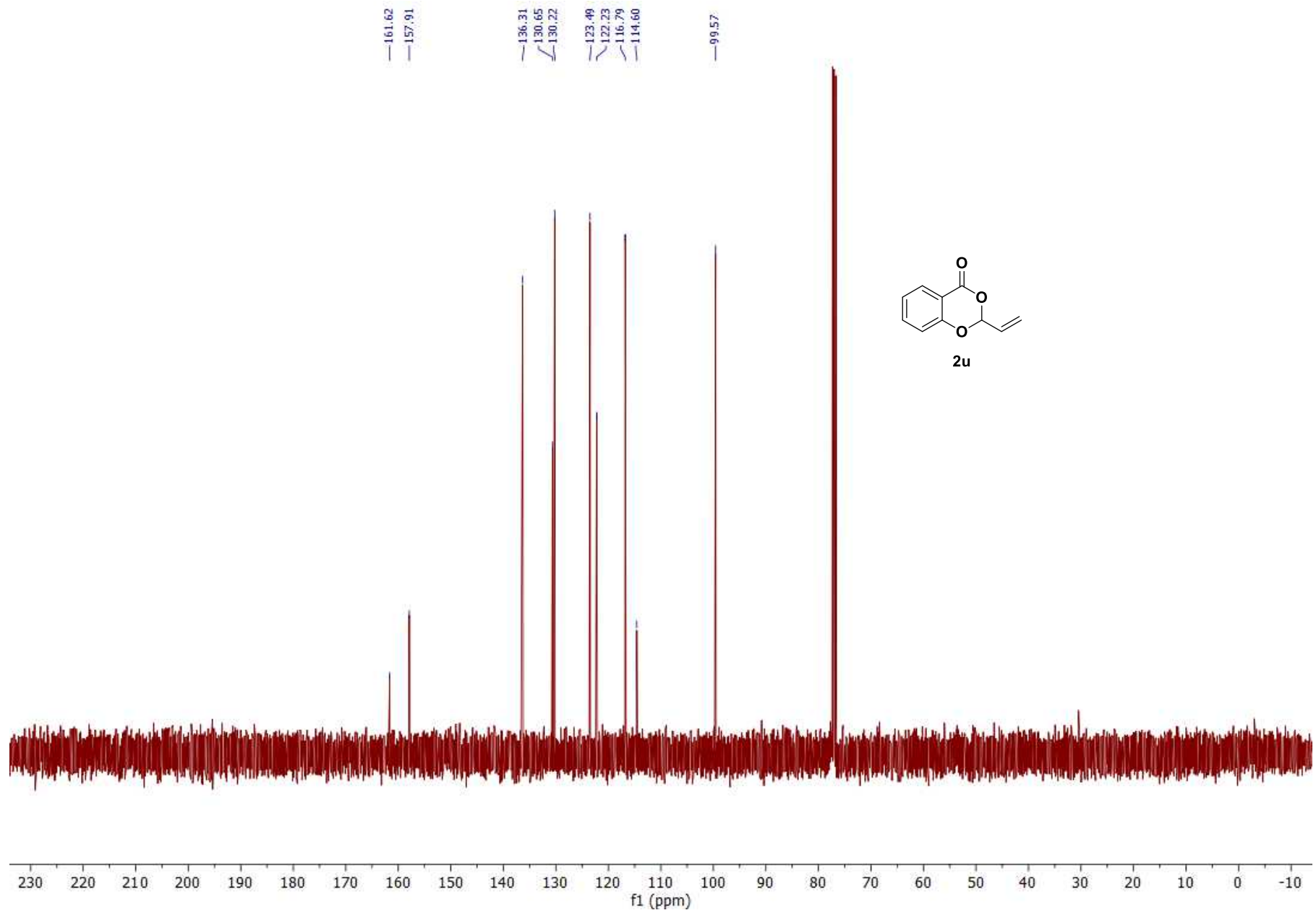


f1 (ppm)
S82



S83





S85

