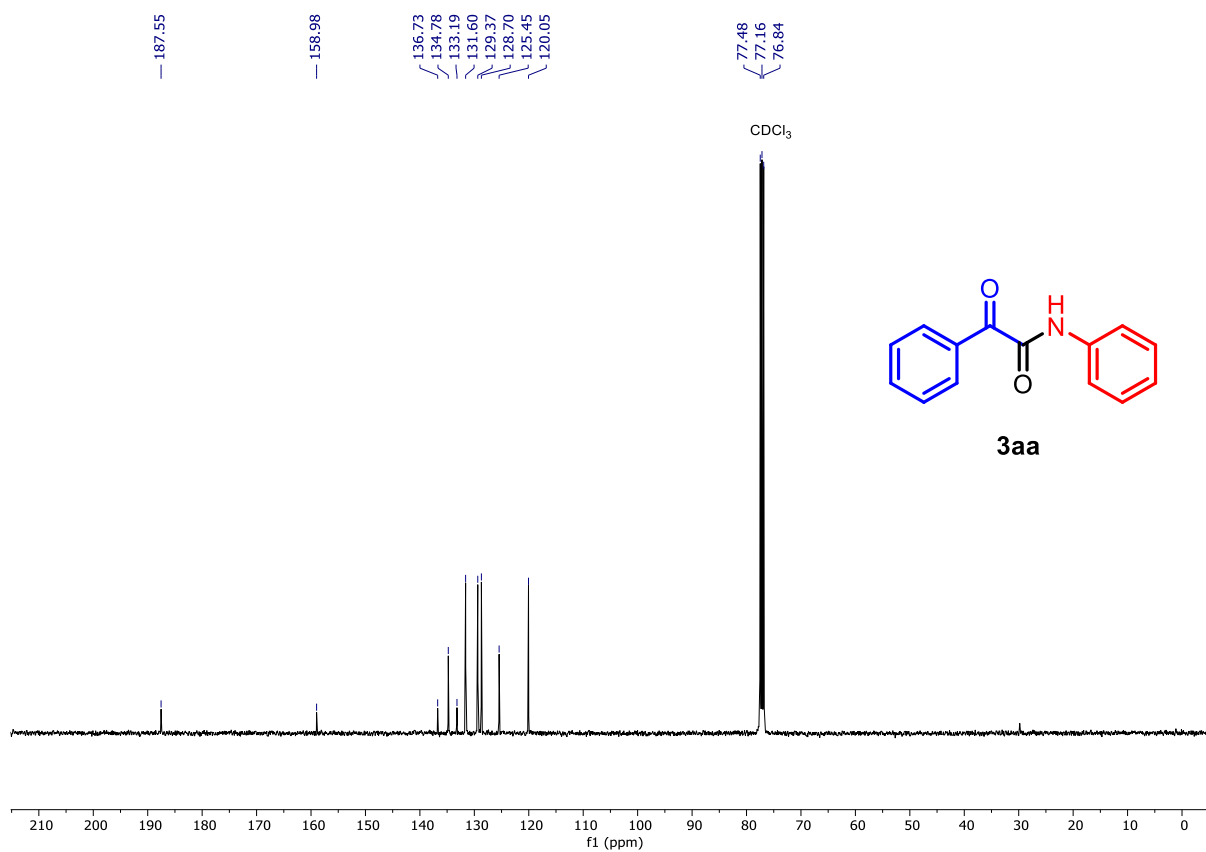
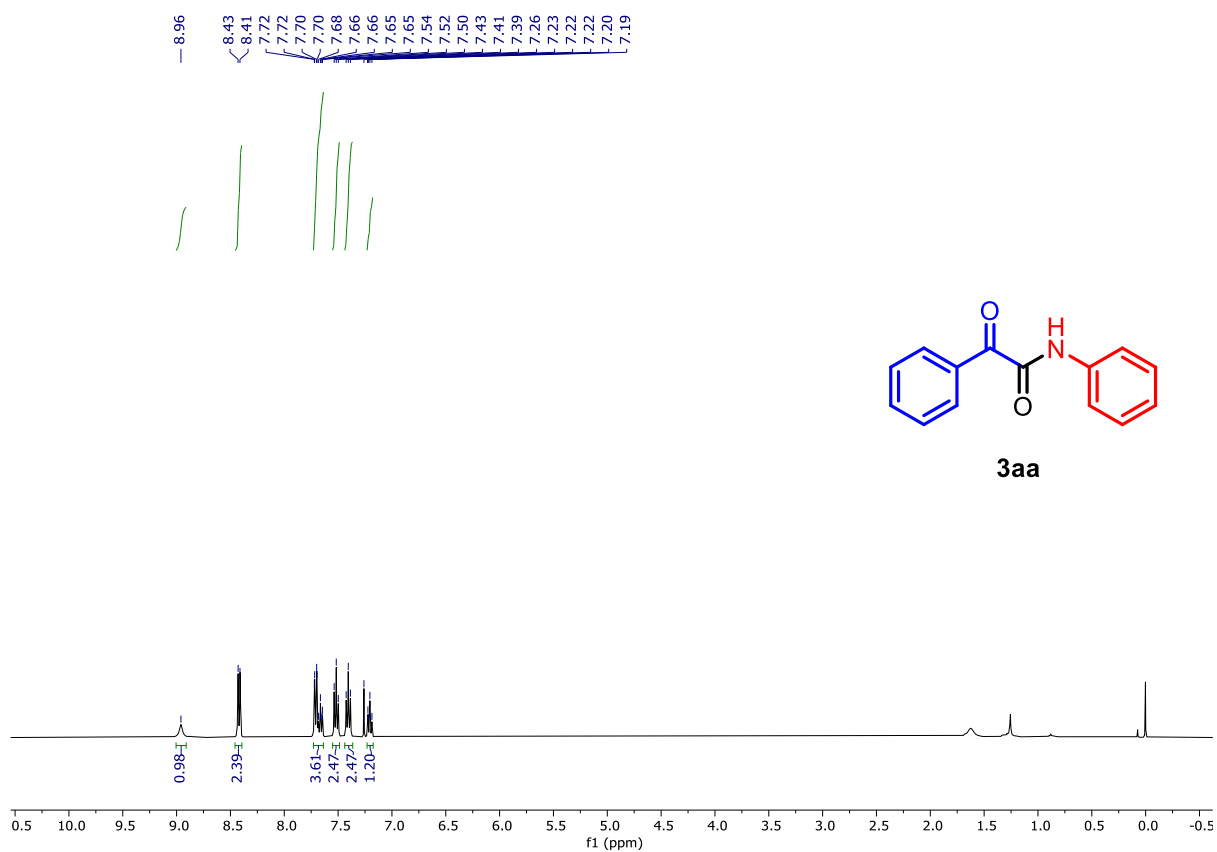


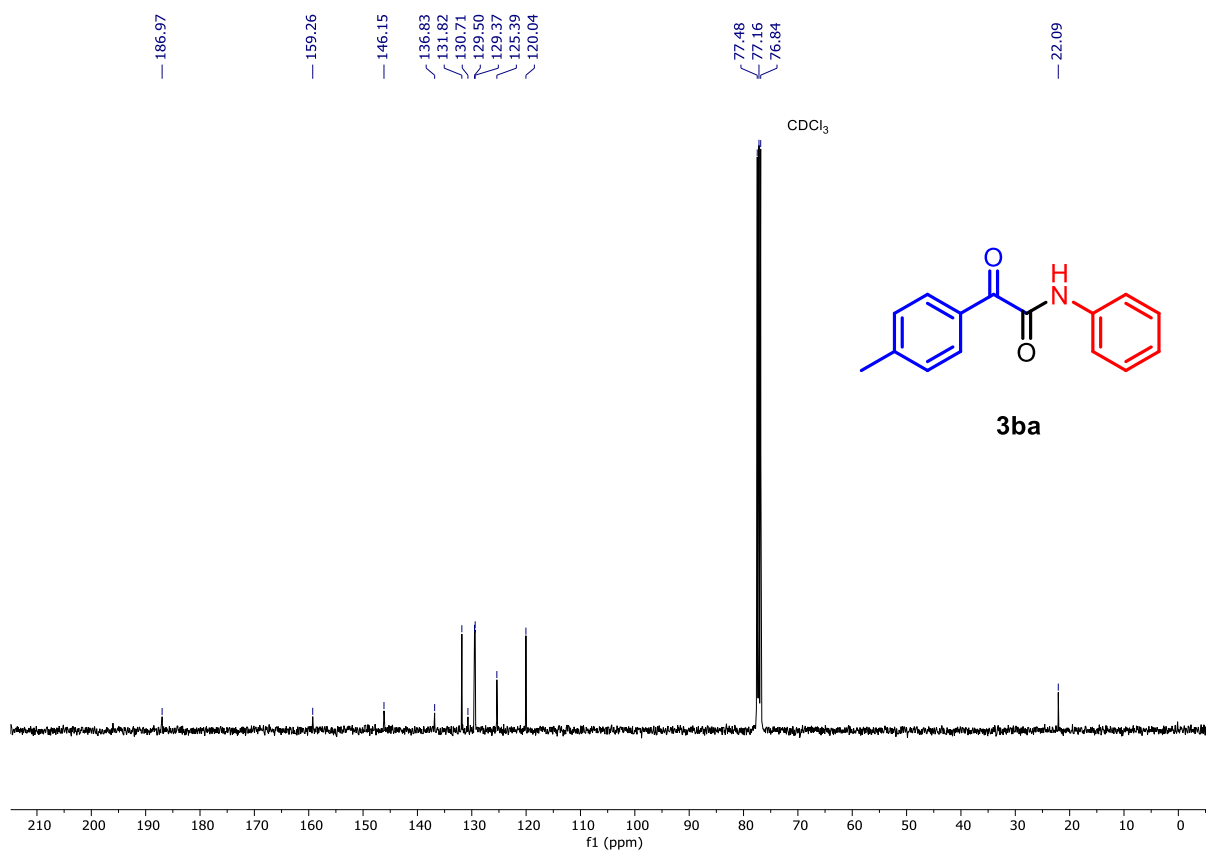
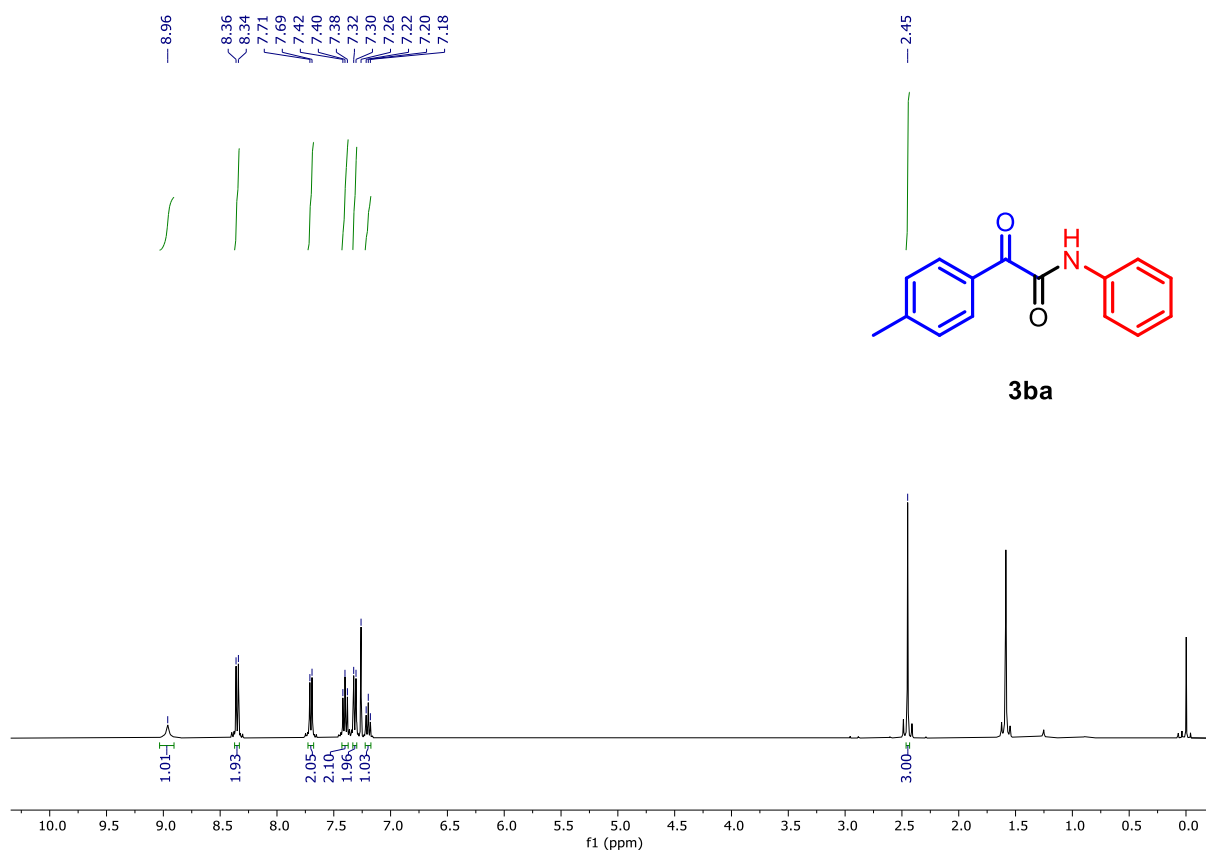
**Ru(II)-Catalyzed Oxidative Coupling of Sulfoxonium Ylides with Amines: Efficient
Synthesis of α -Ketoamides and Indolo[2,1-*a*]isoquinolines**

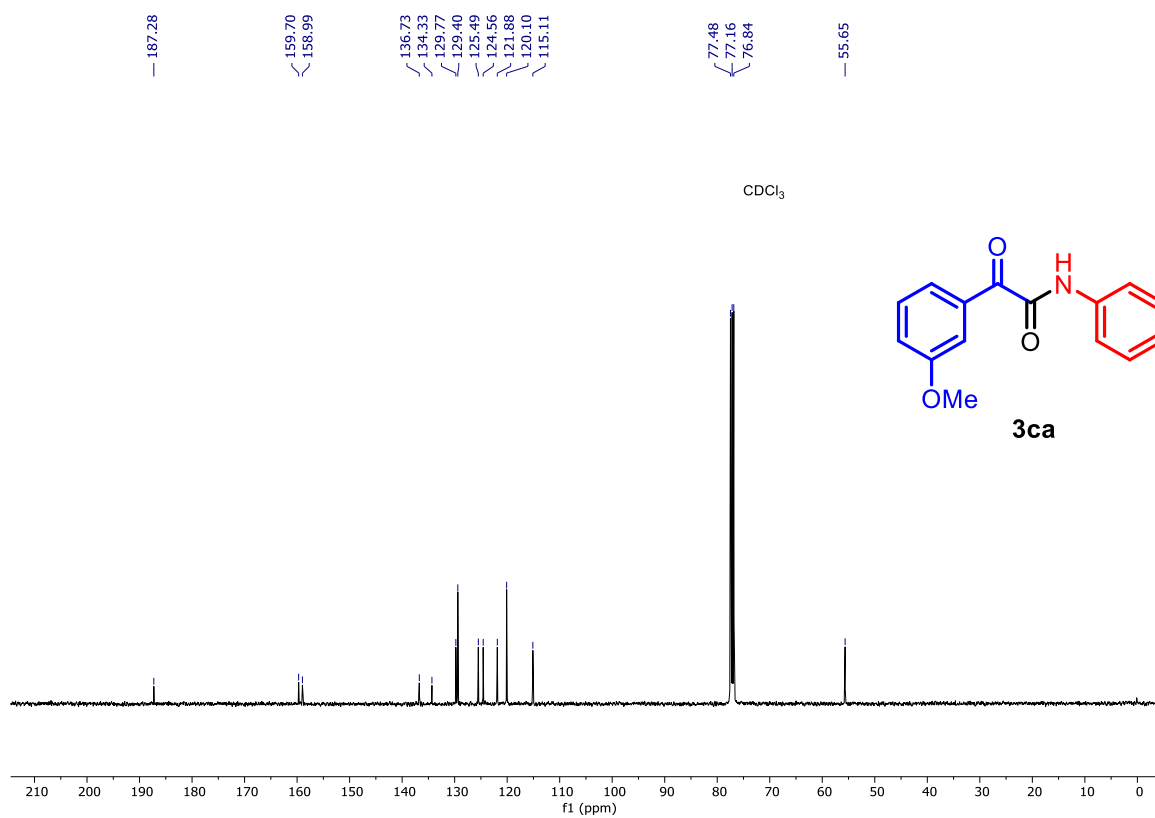
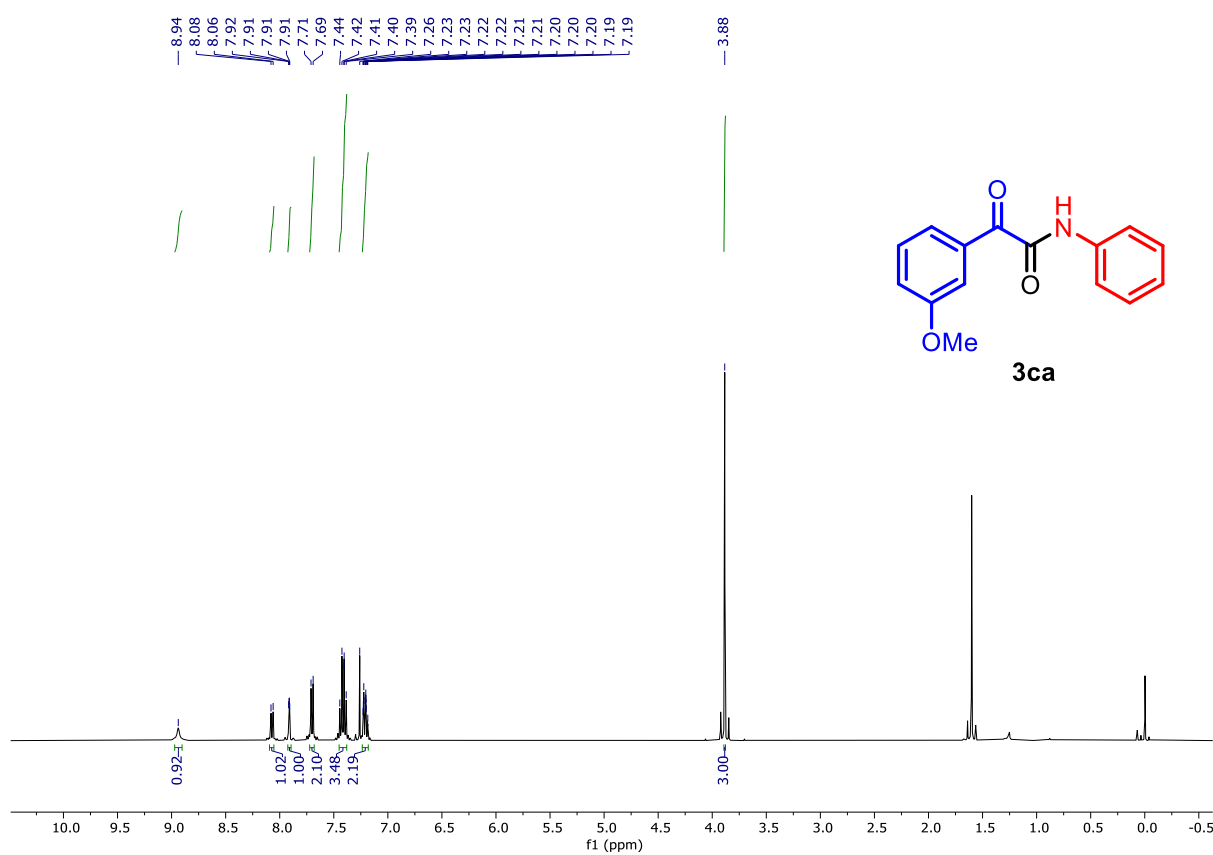
Sumi Changmai, Tribeni Gogoi, Jyotshna Phukan, Bipul Das and Sanjib Gogoi*

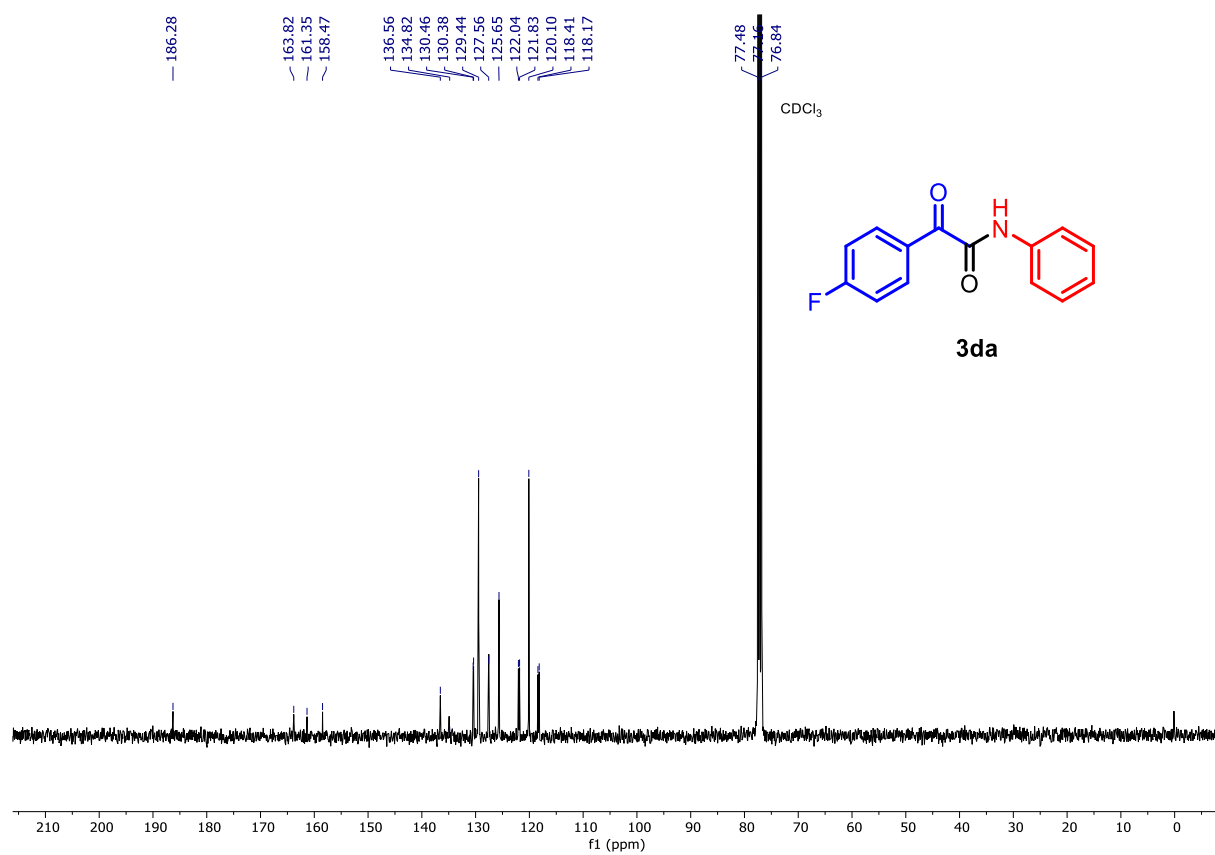
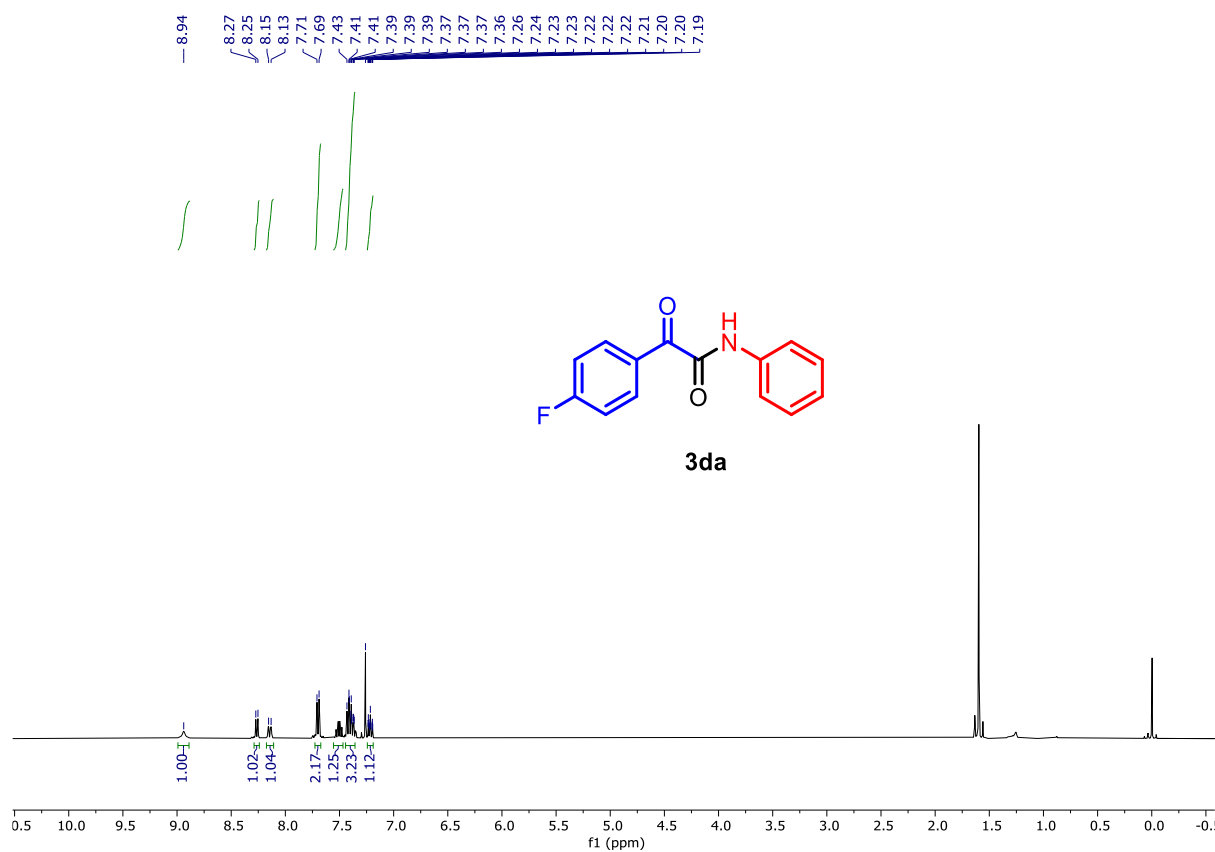
Applied Organic Chemistry, Chemical Sciences & Technology Division, CSIR-North East
Institute of Science and Technology, Jorhat 785006, Academy of Scientific and Innovative
Research (AcSIR), Ghaziabad-201002, India

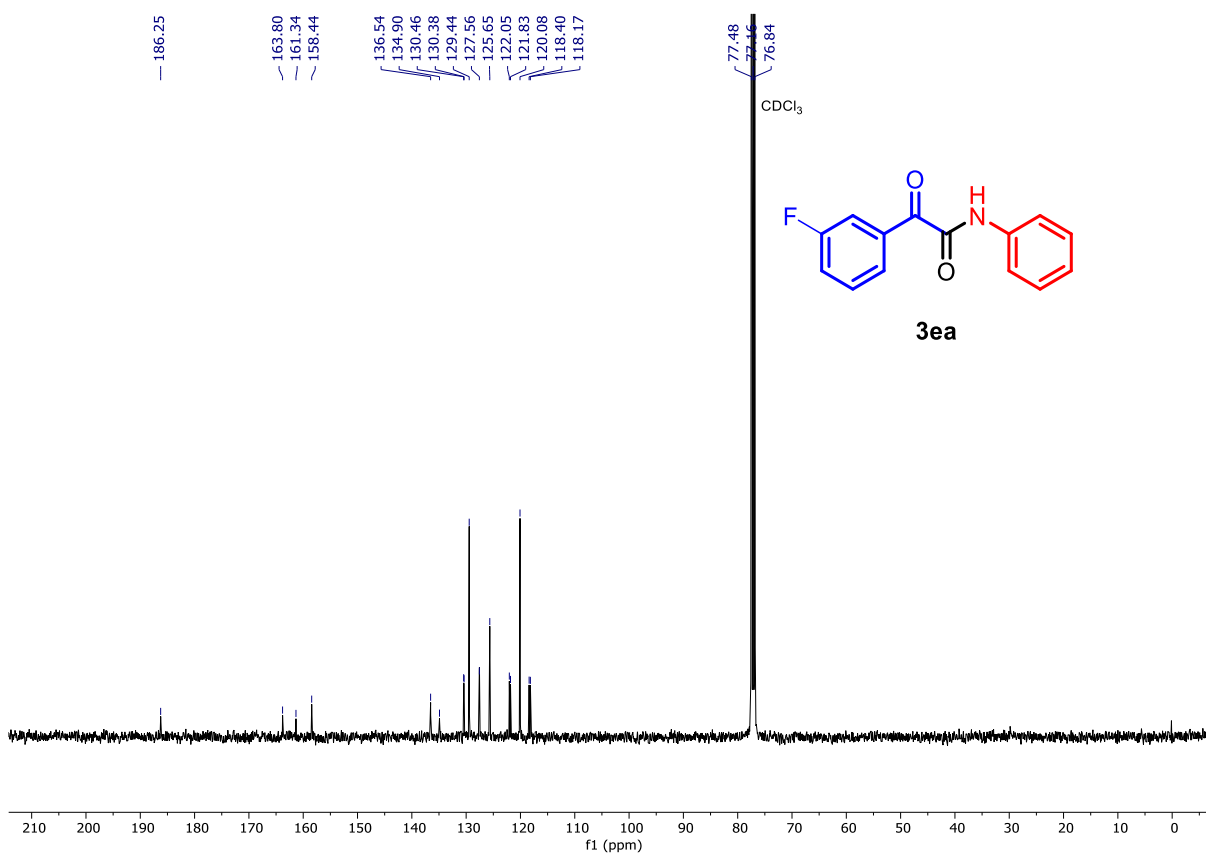
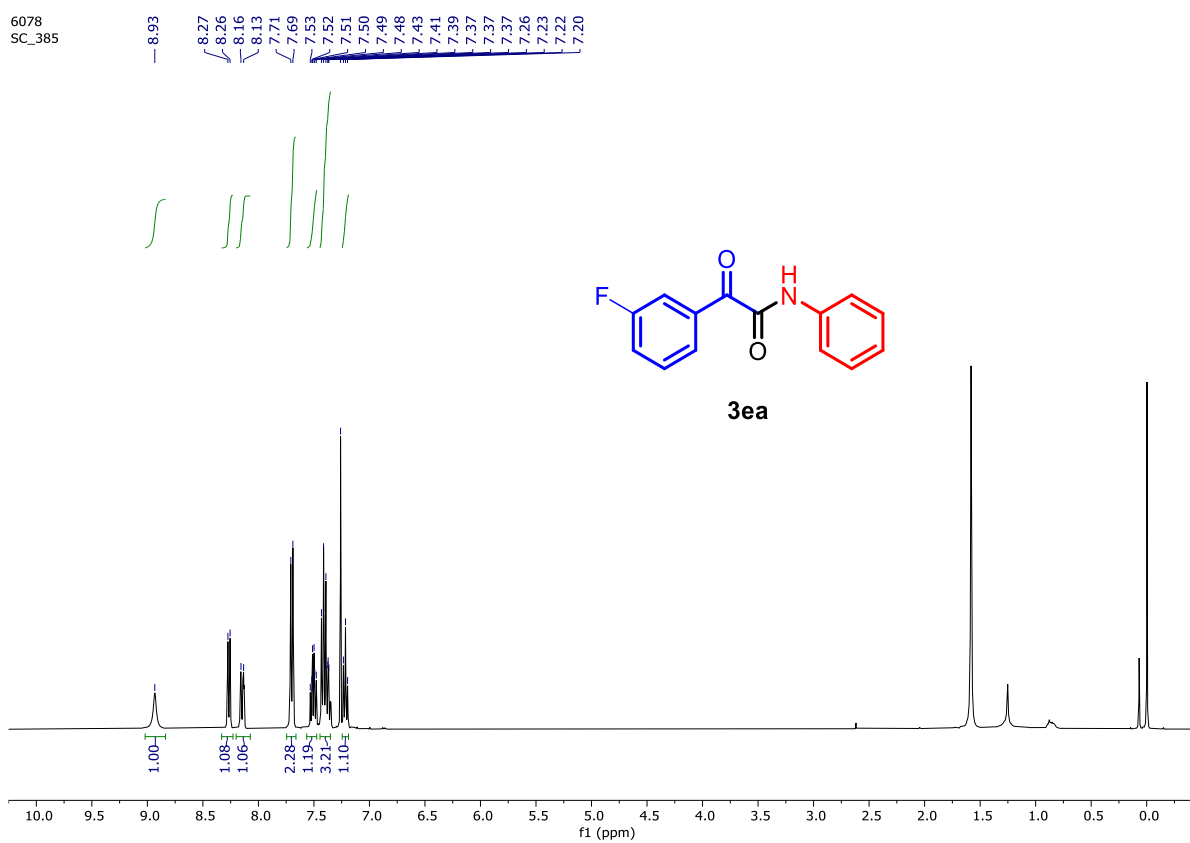
Supporting Information

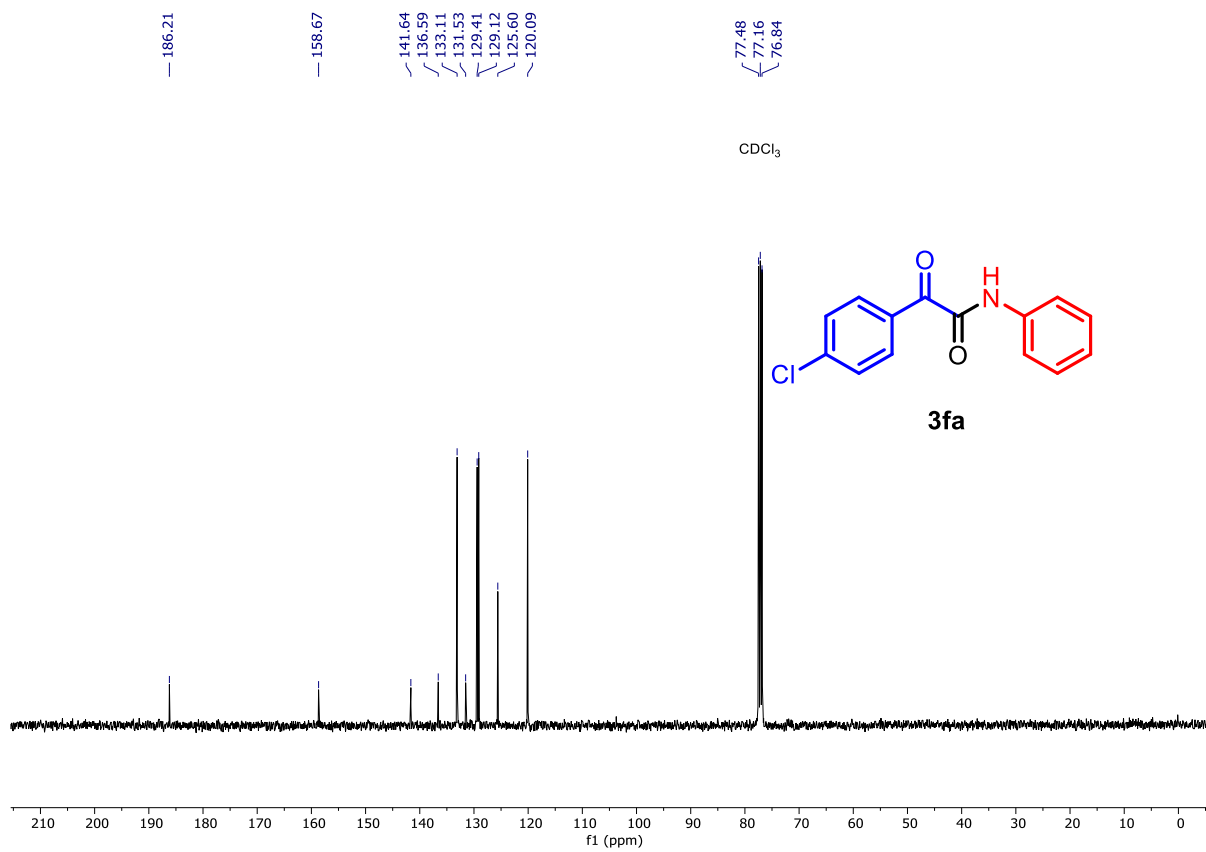
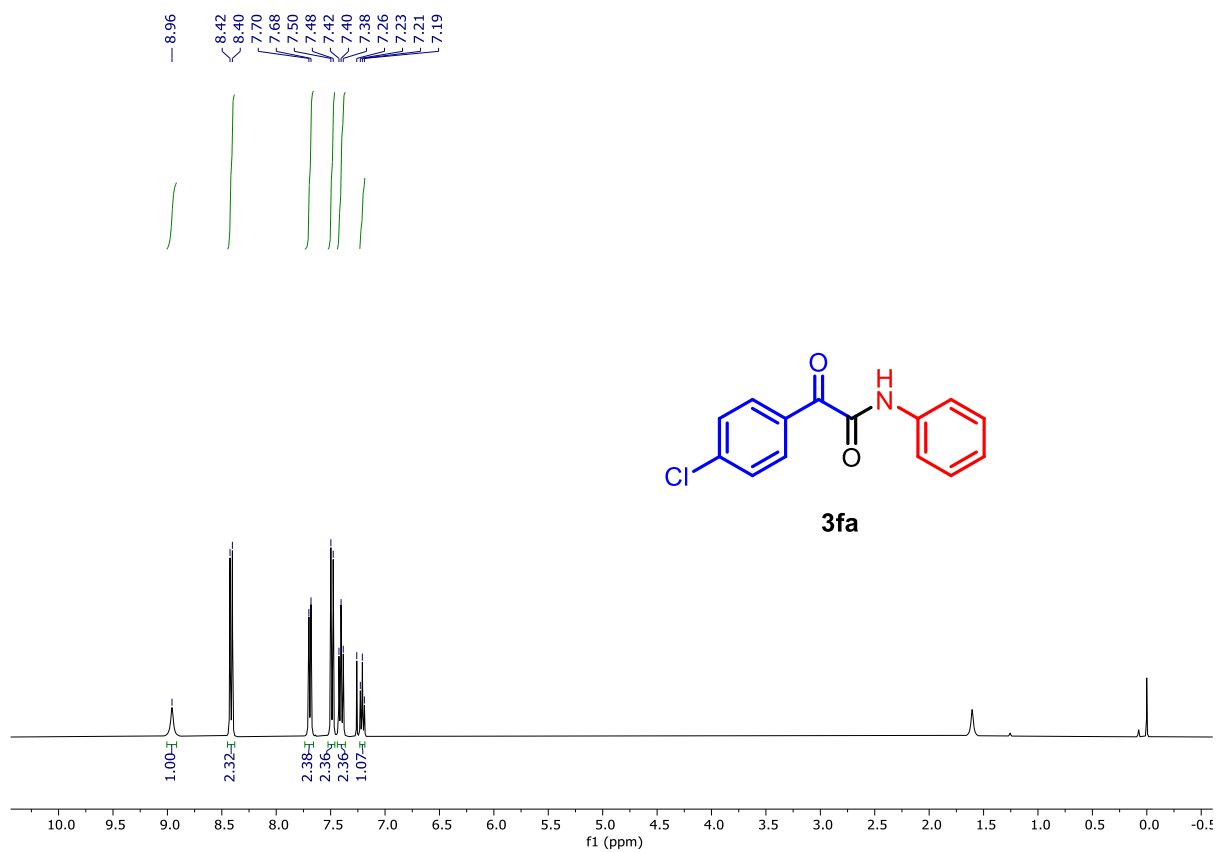


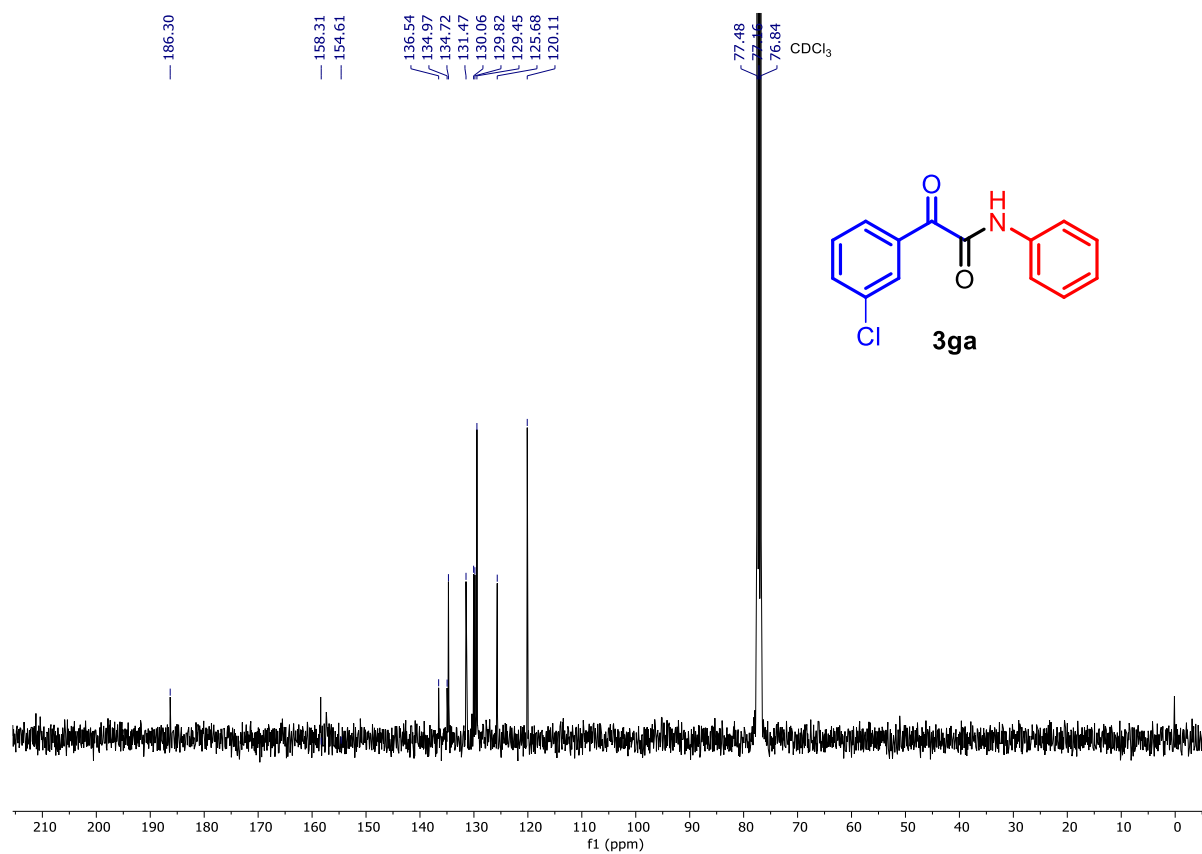
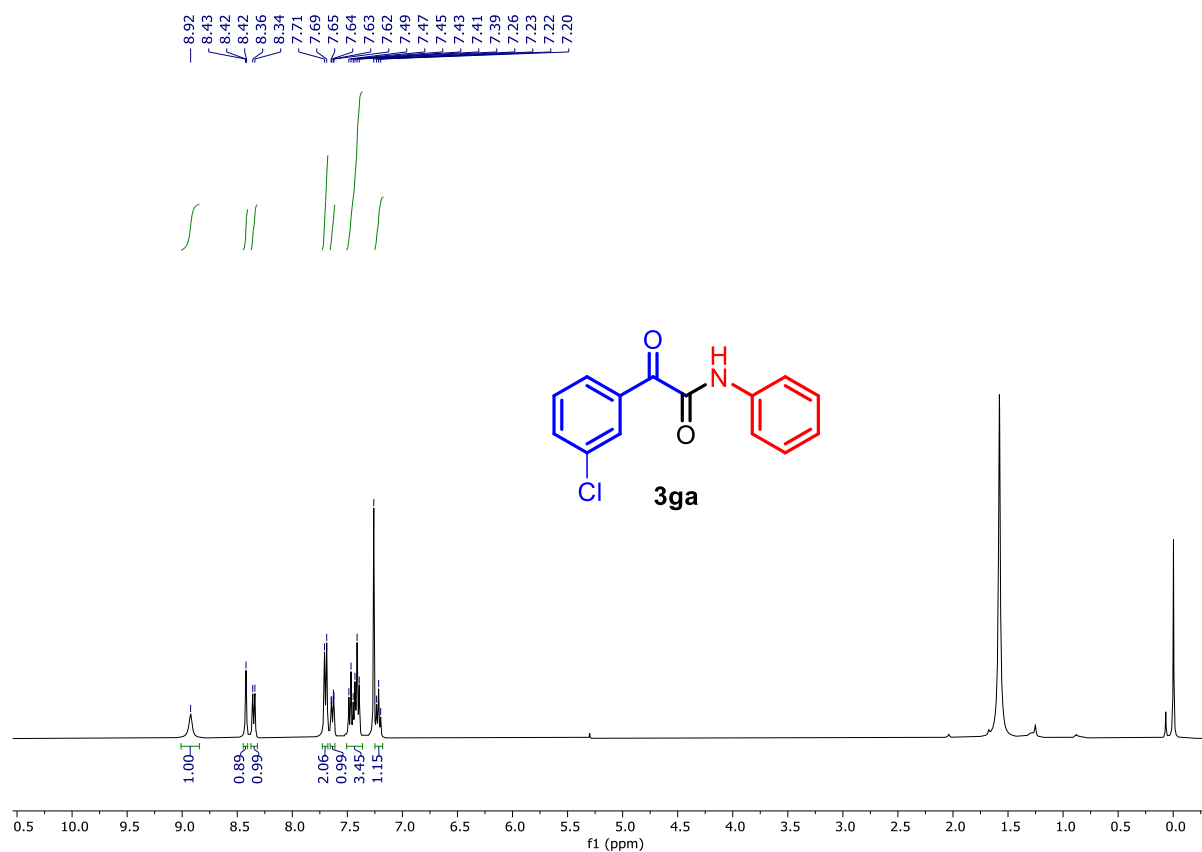


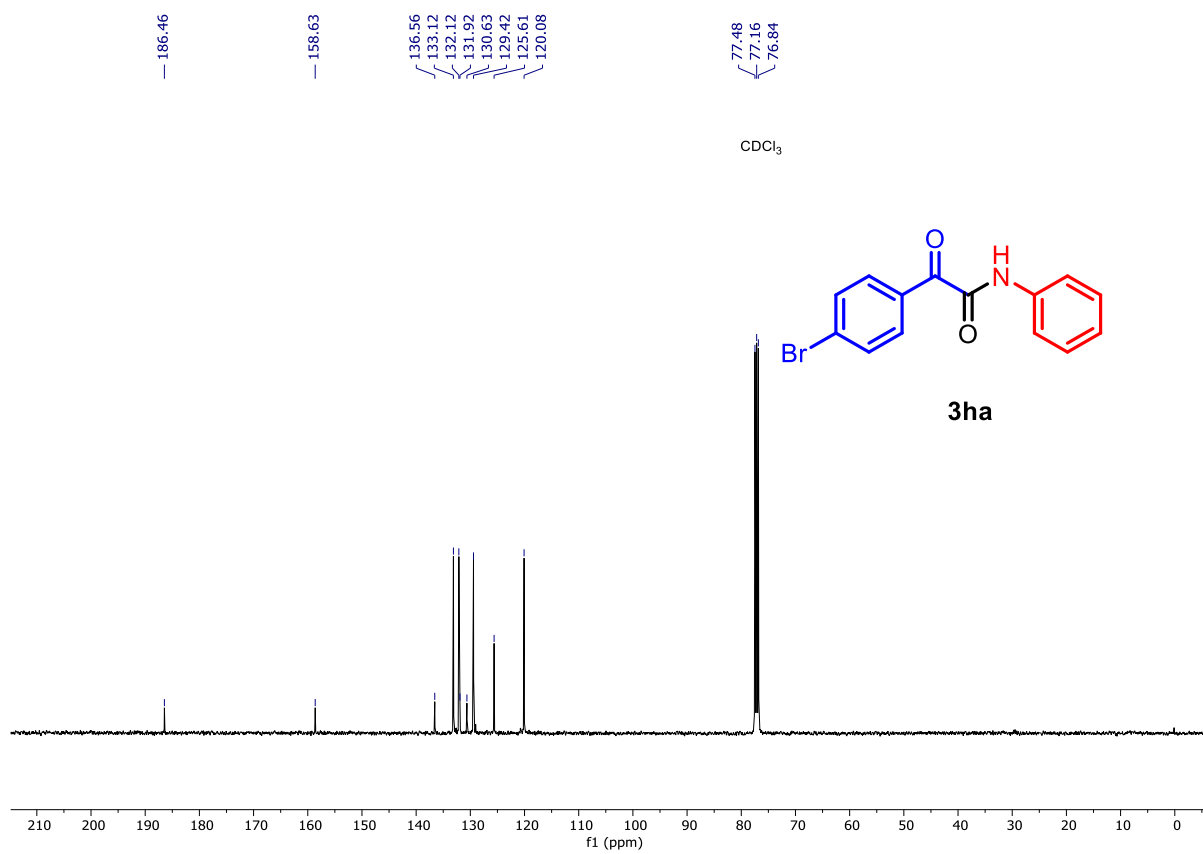
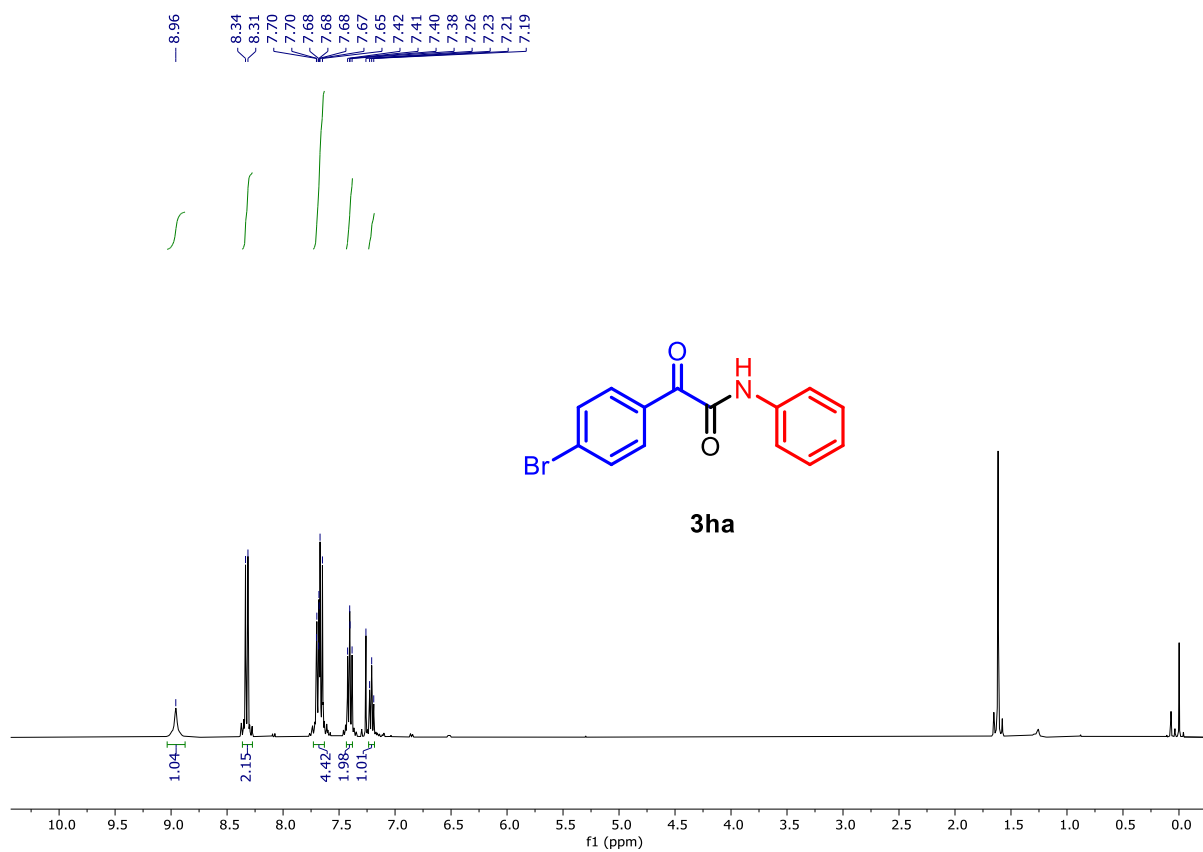




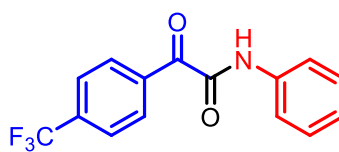
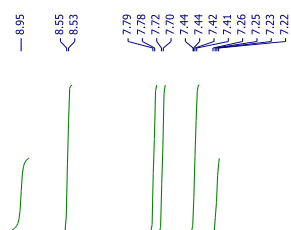
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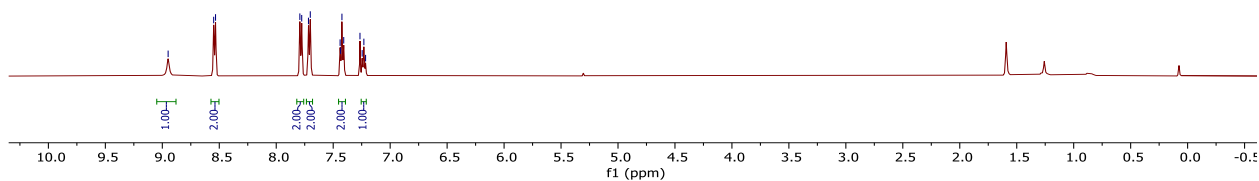




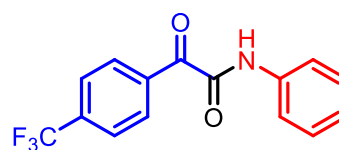
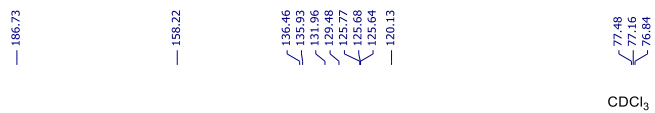
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41546
TG-291



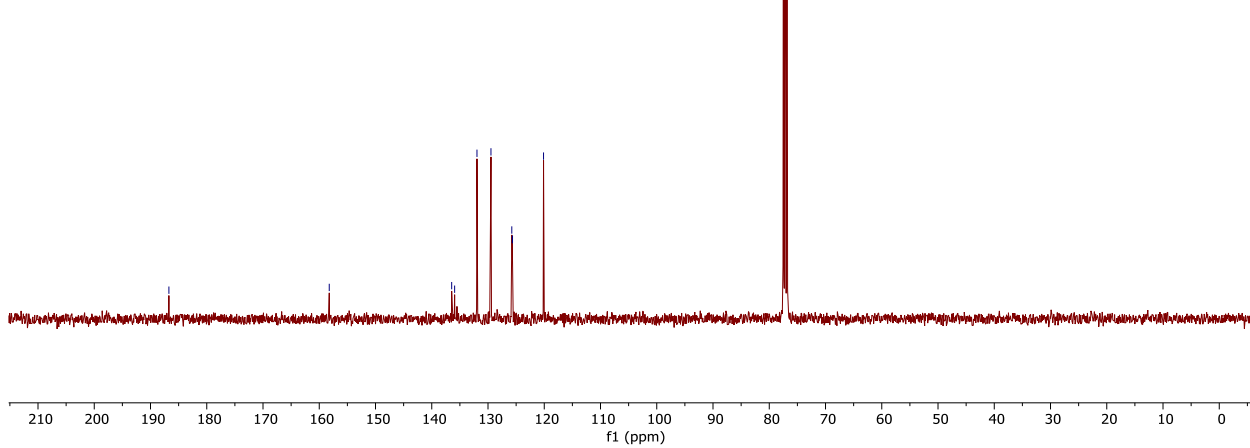
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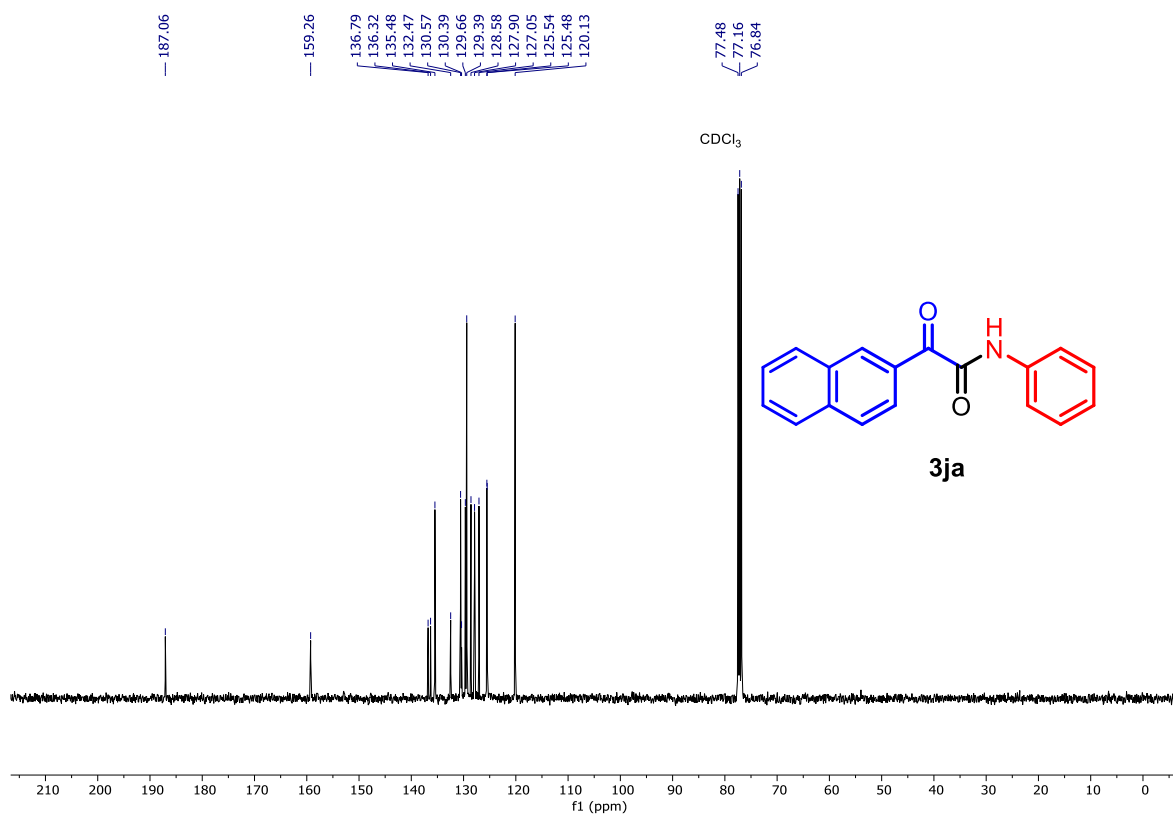
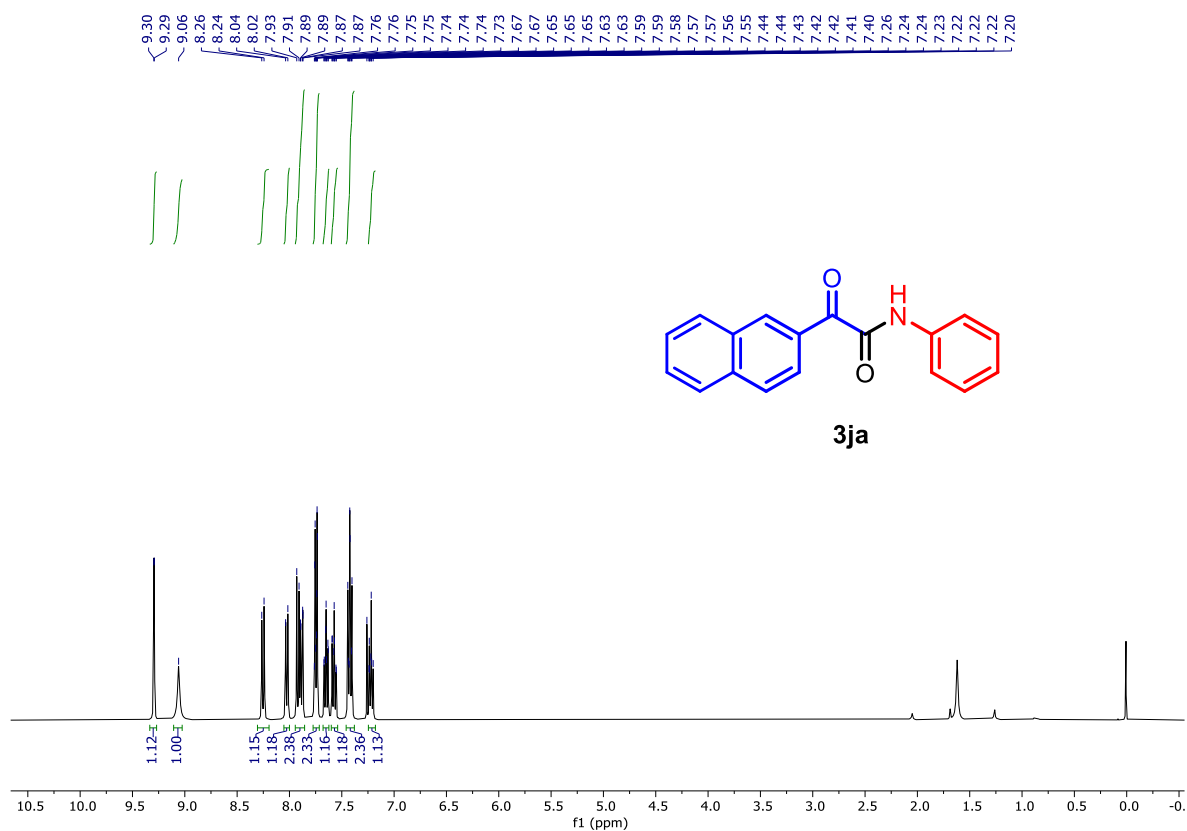


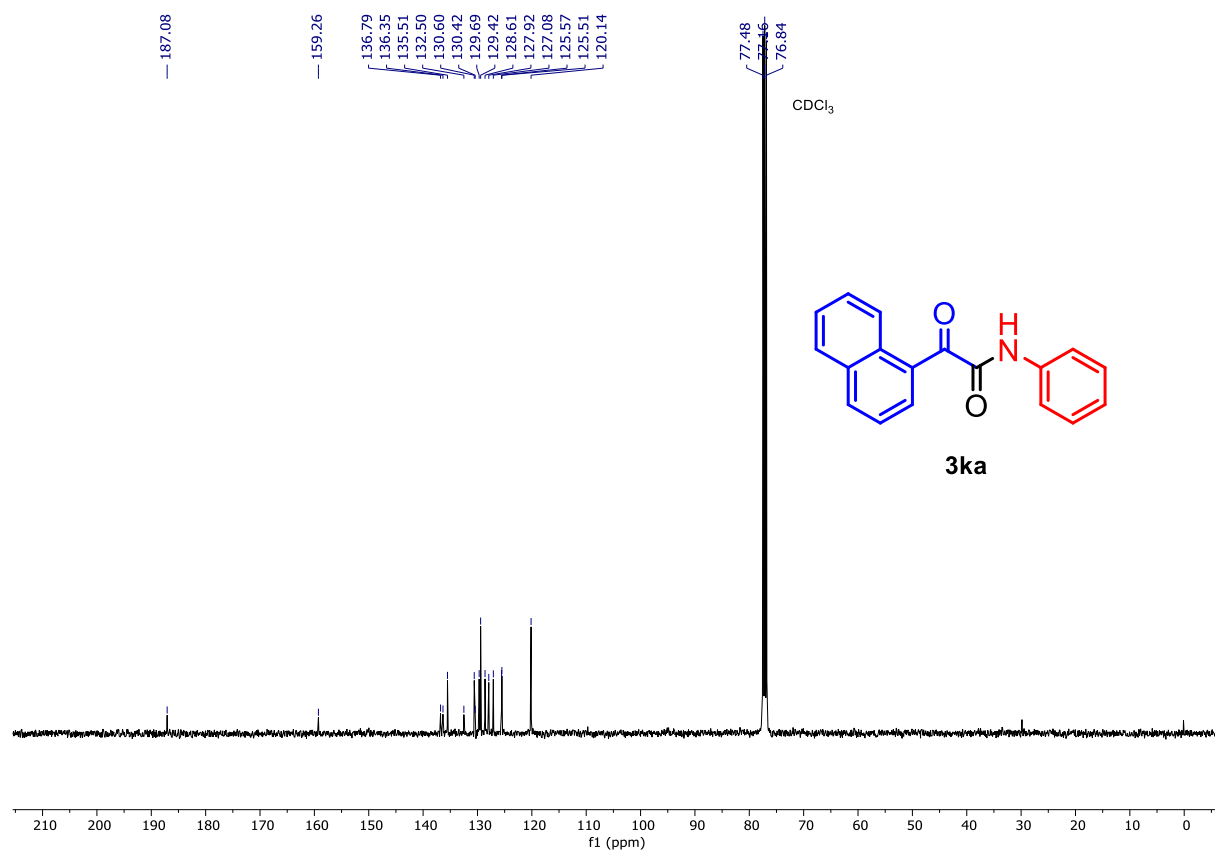
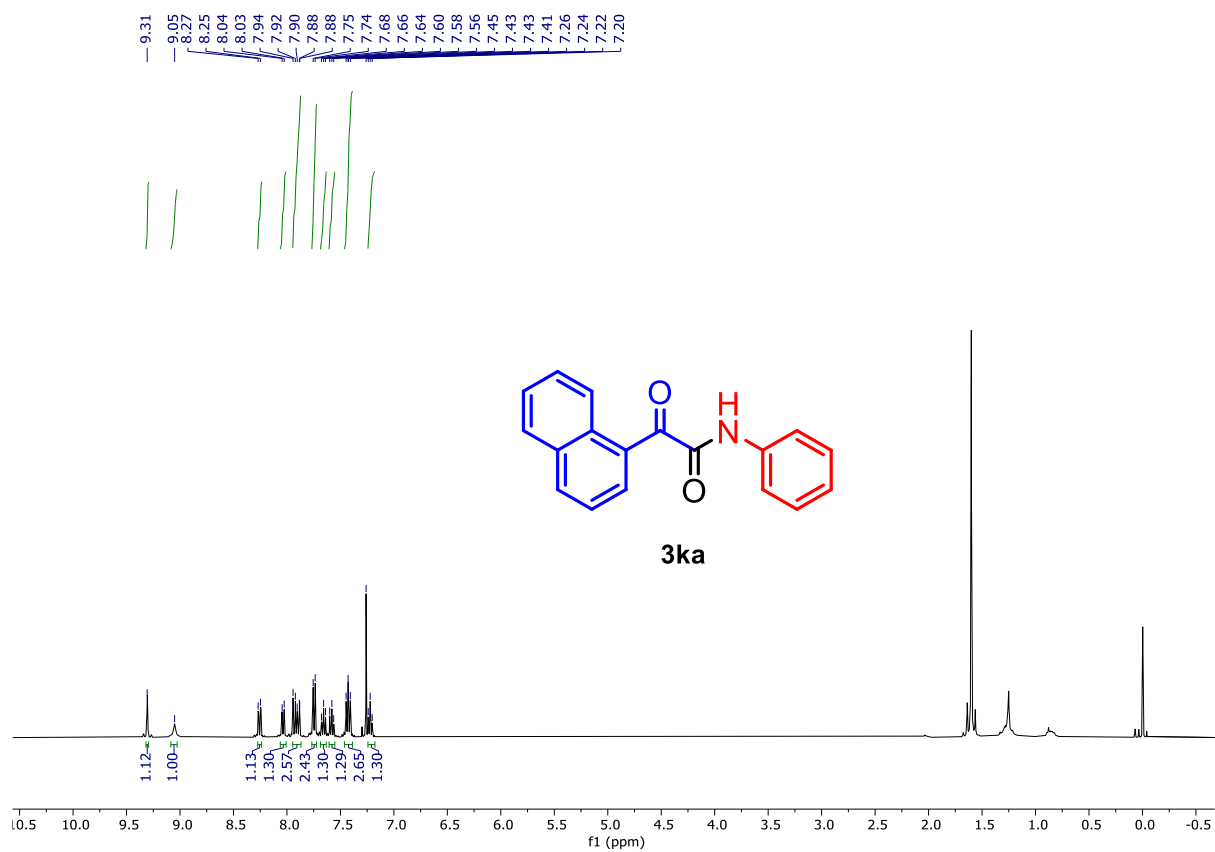
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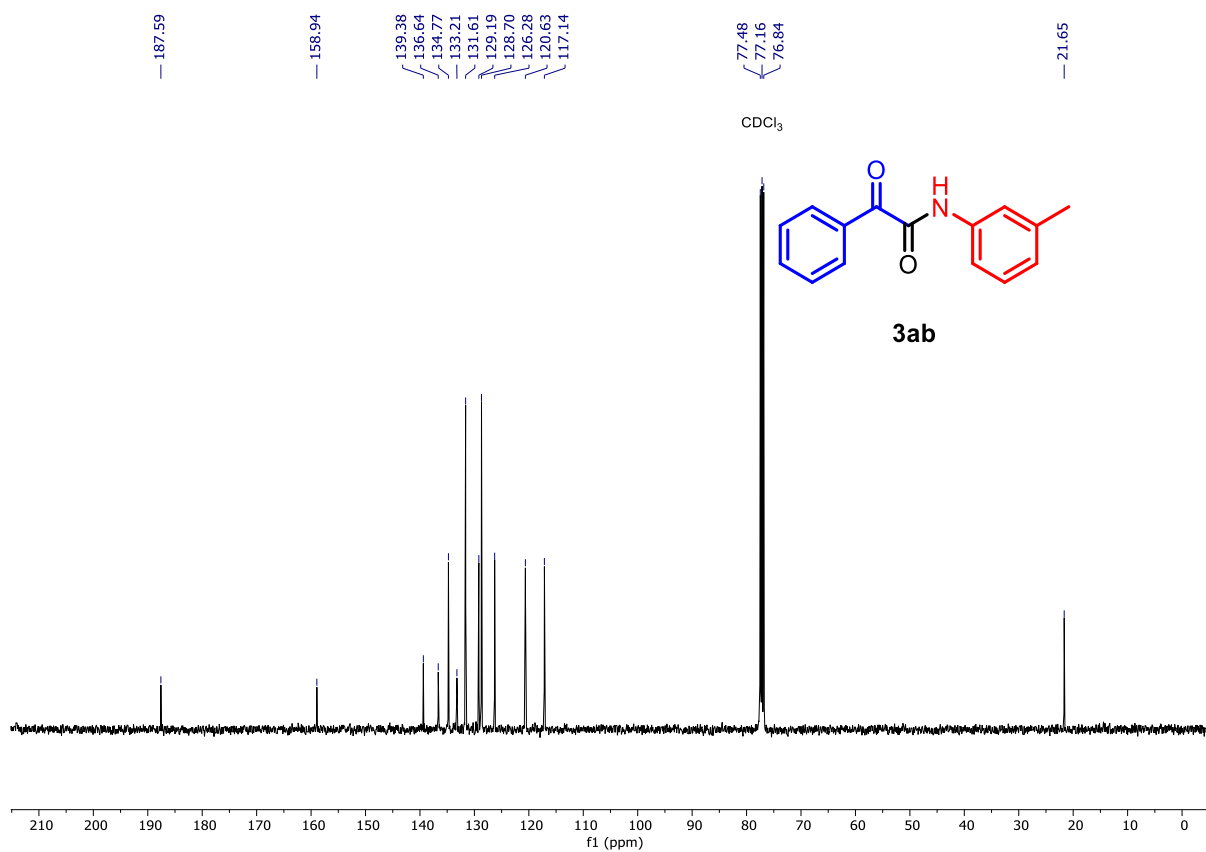
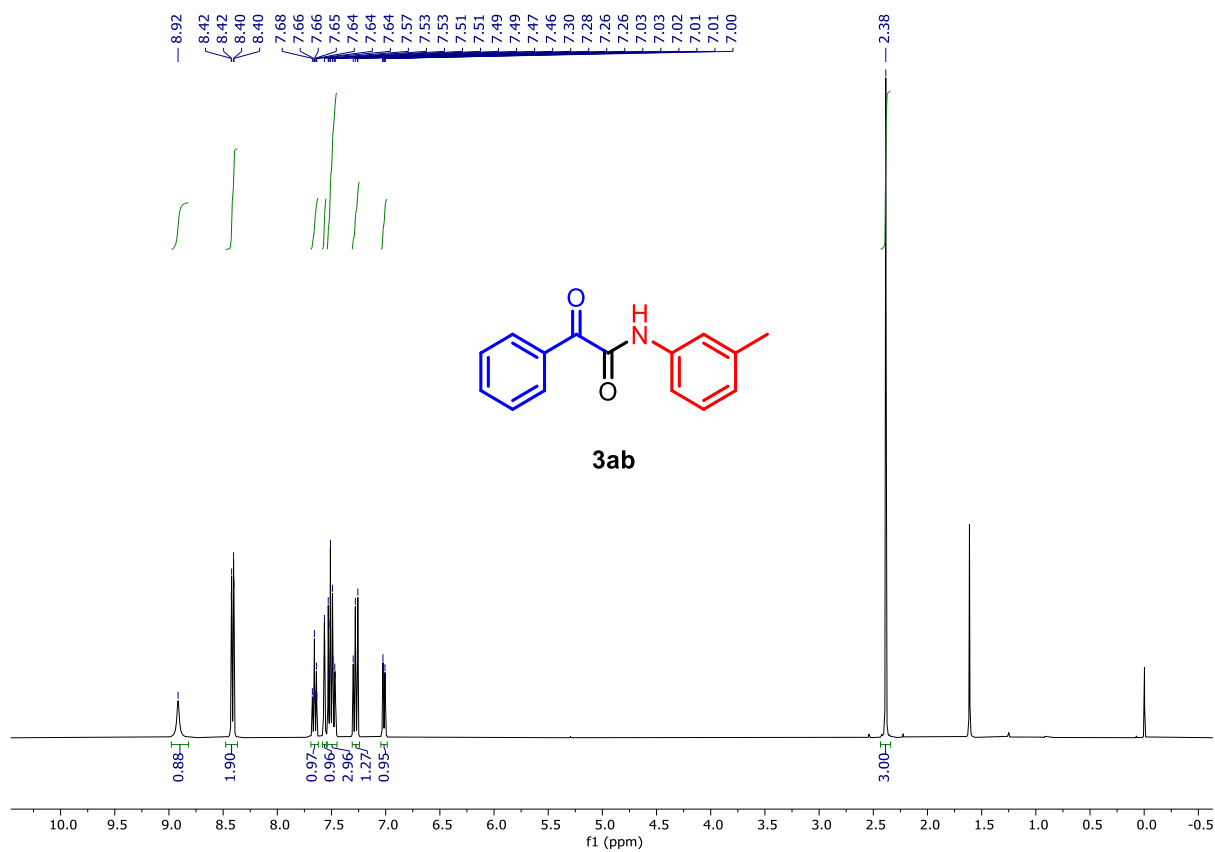


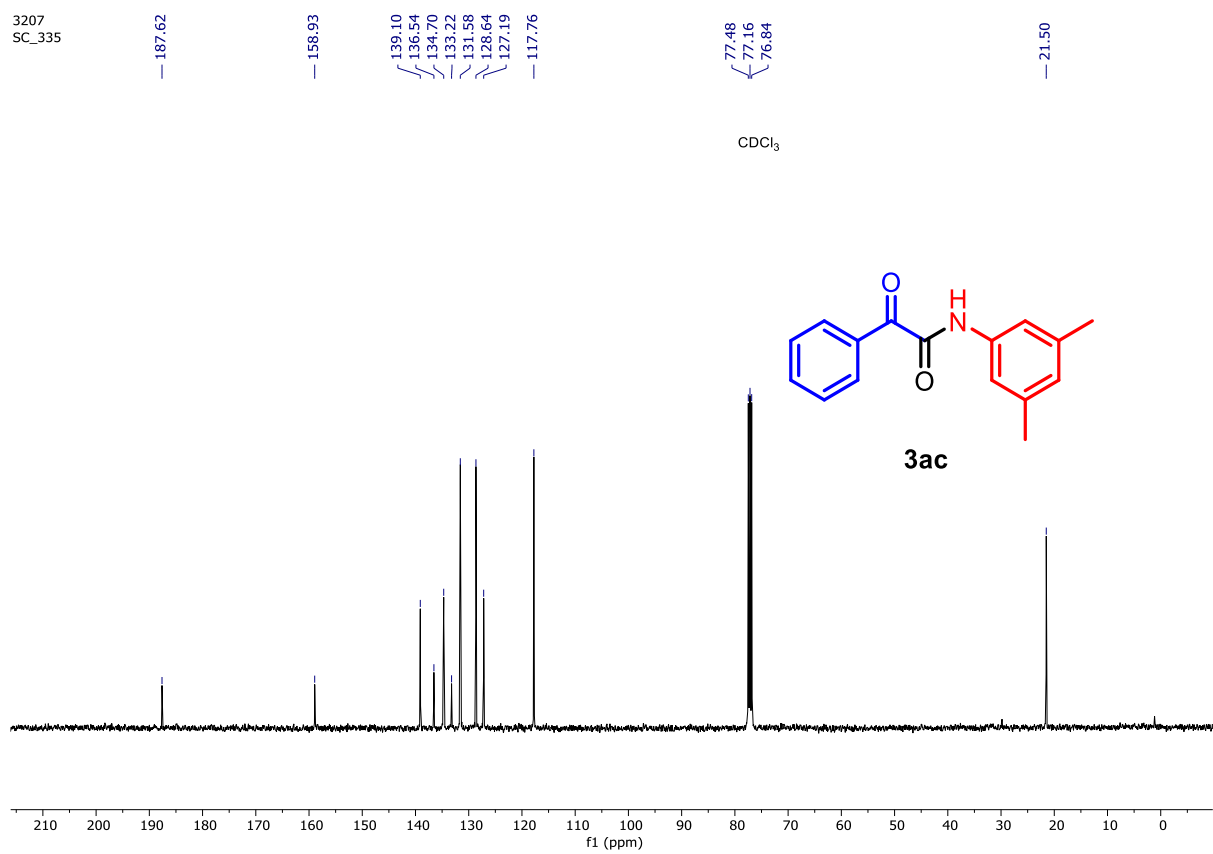
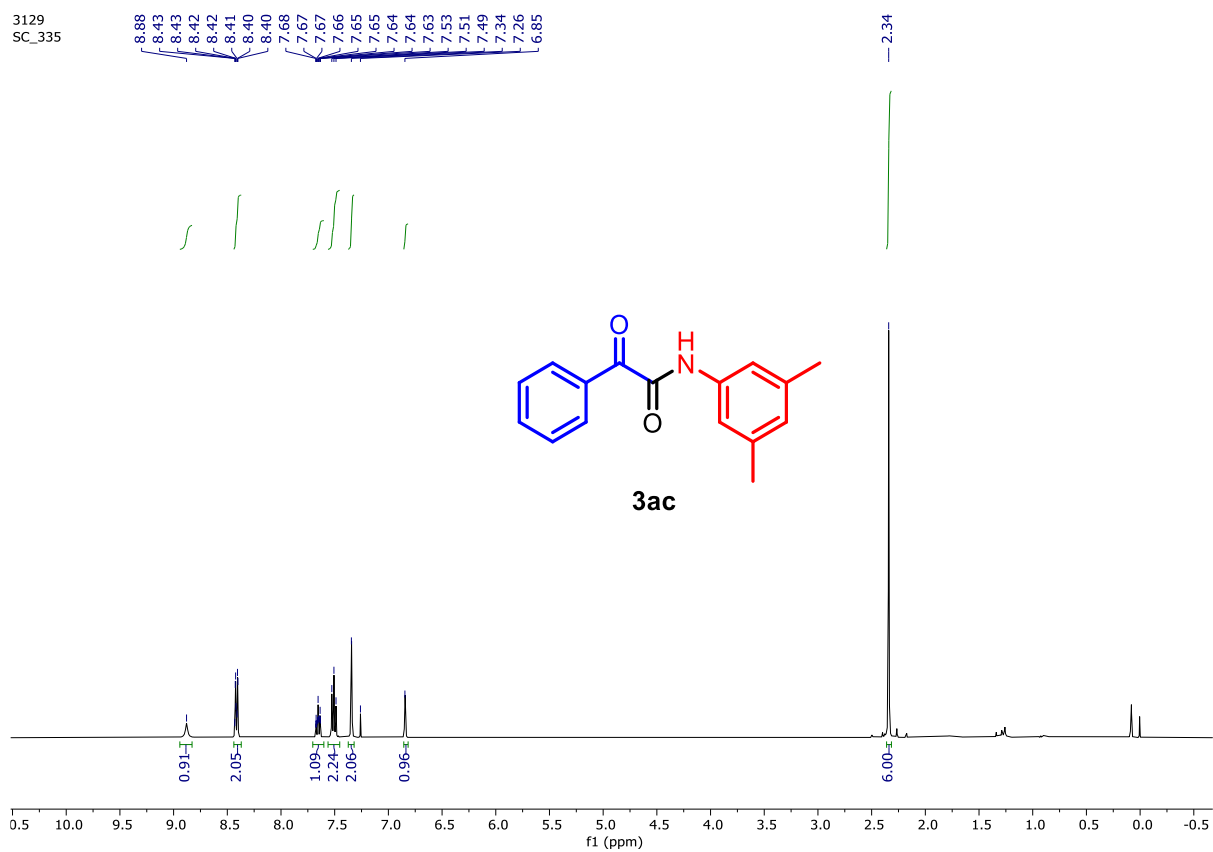
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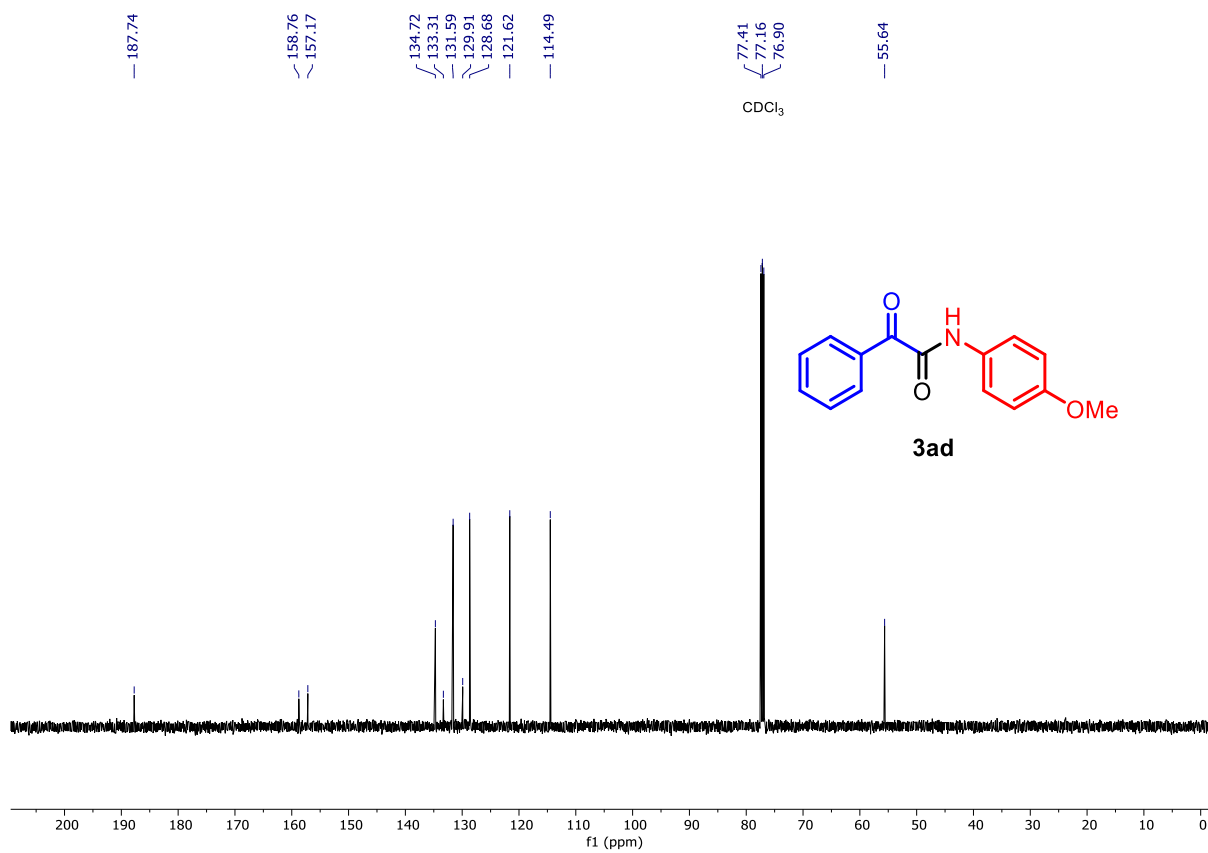
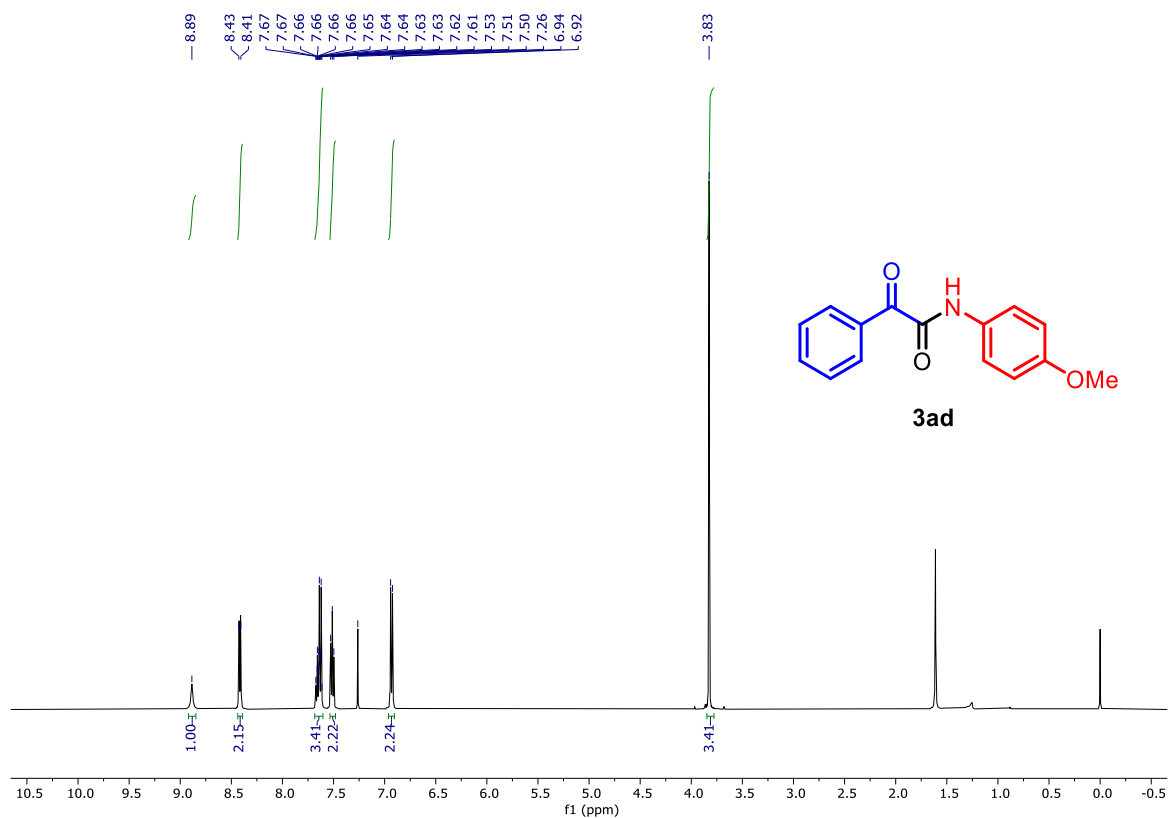


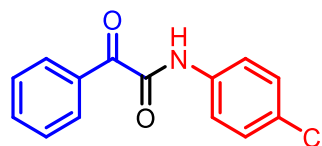
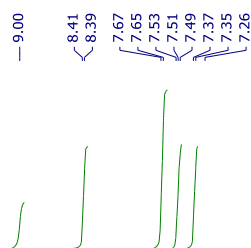




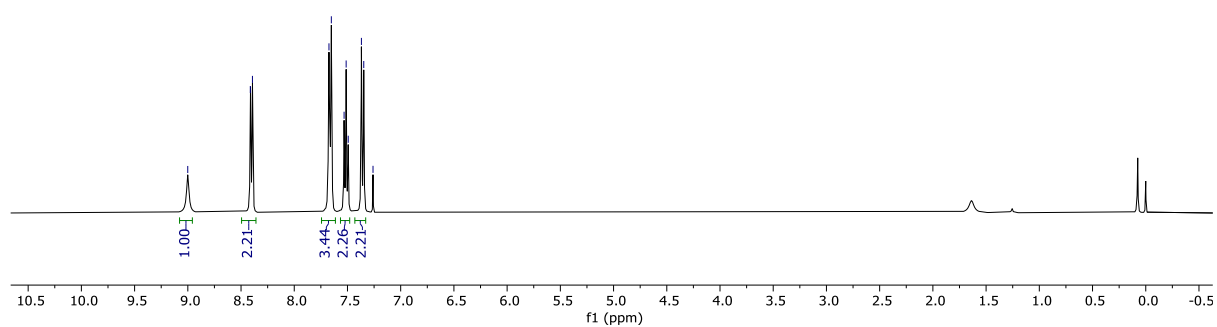
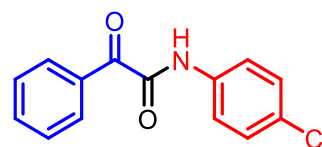




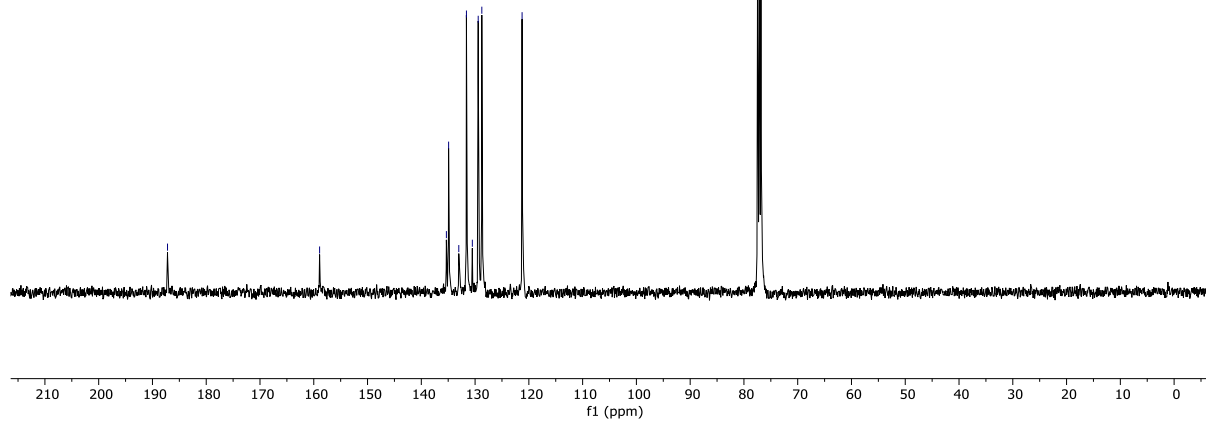


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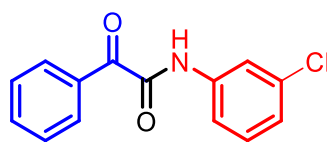
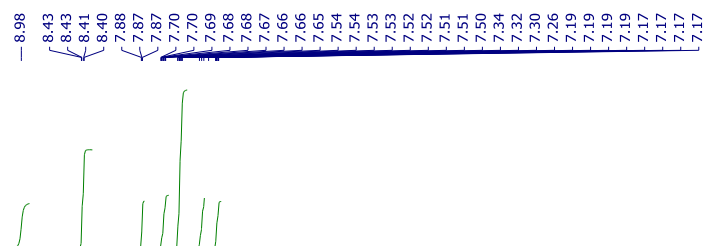
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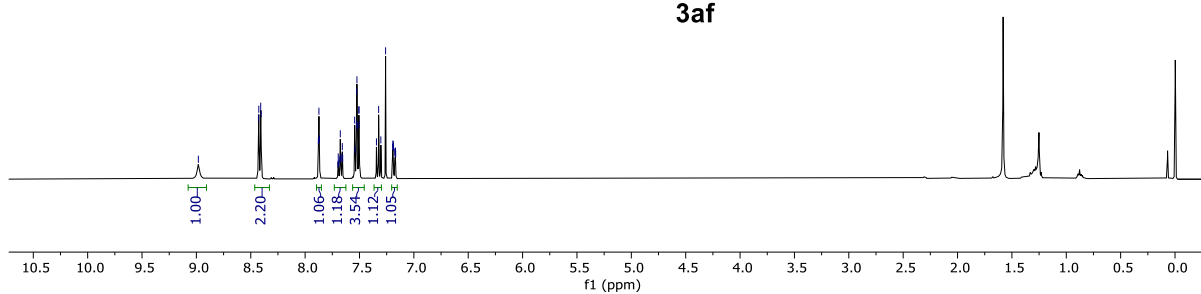
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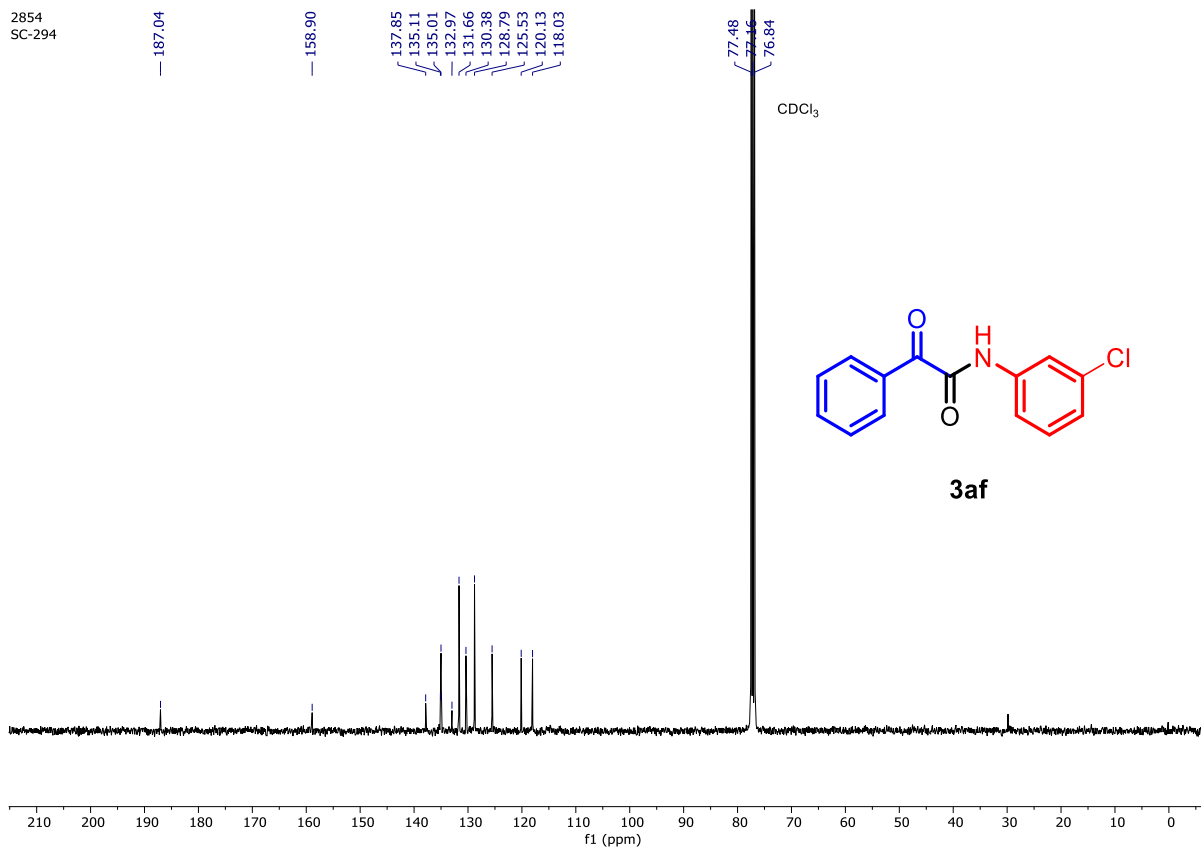
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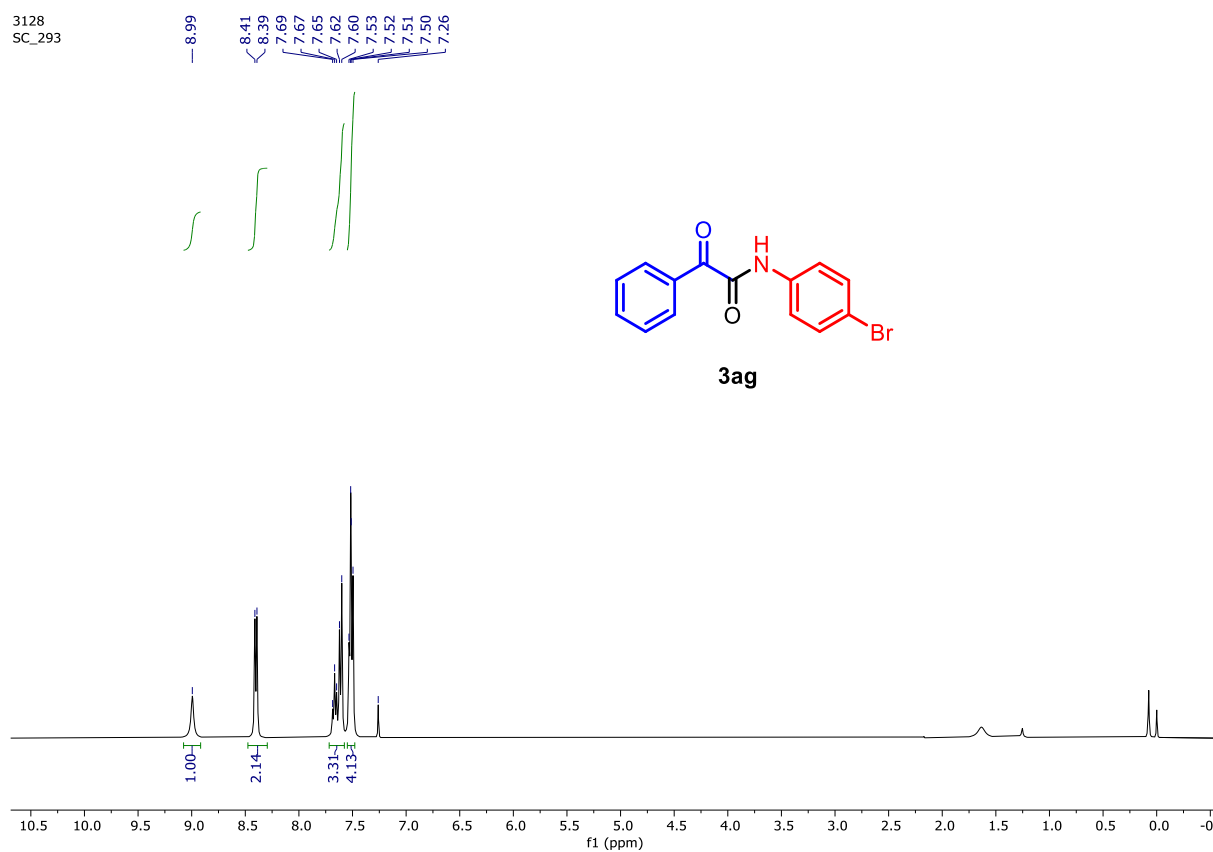
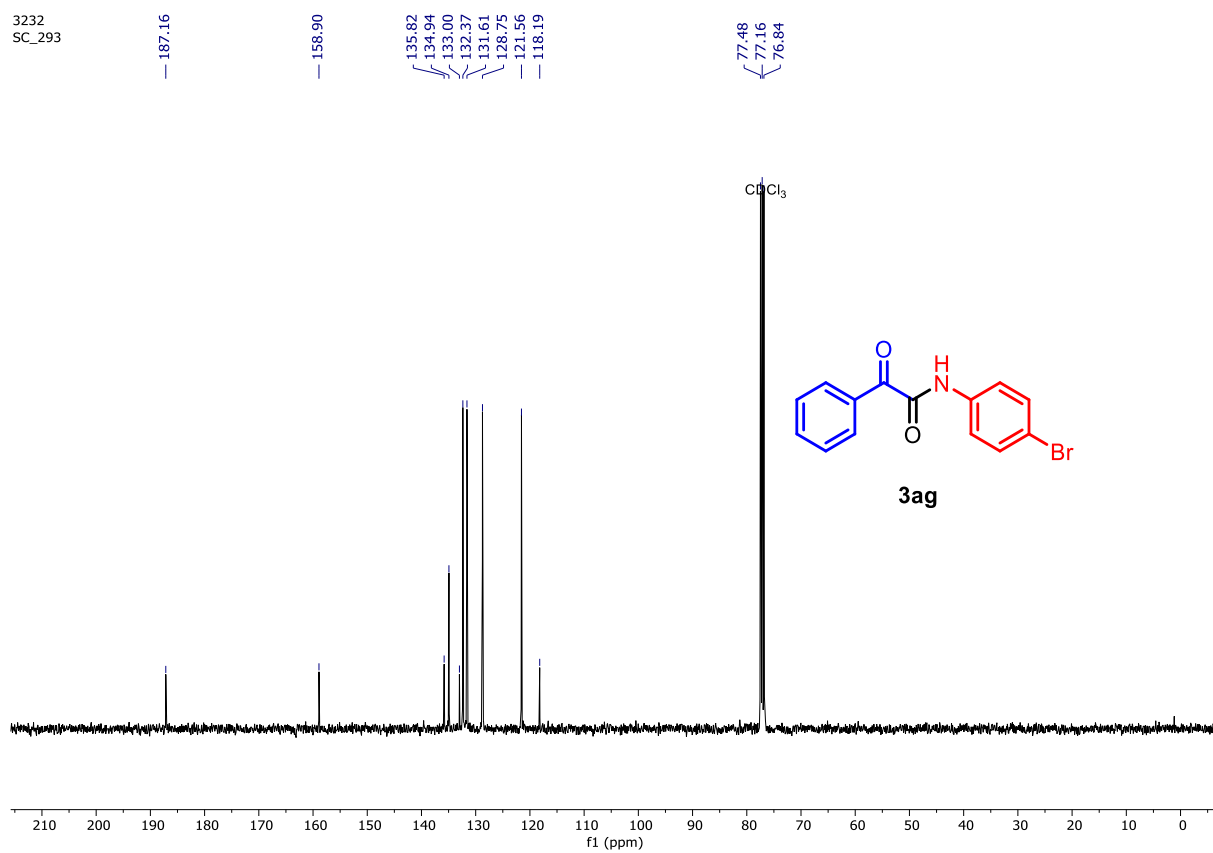


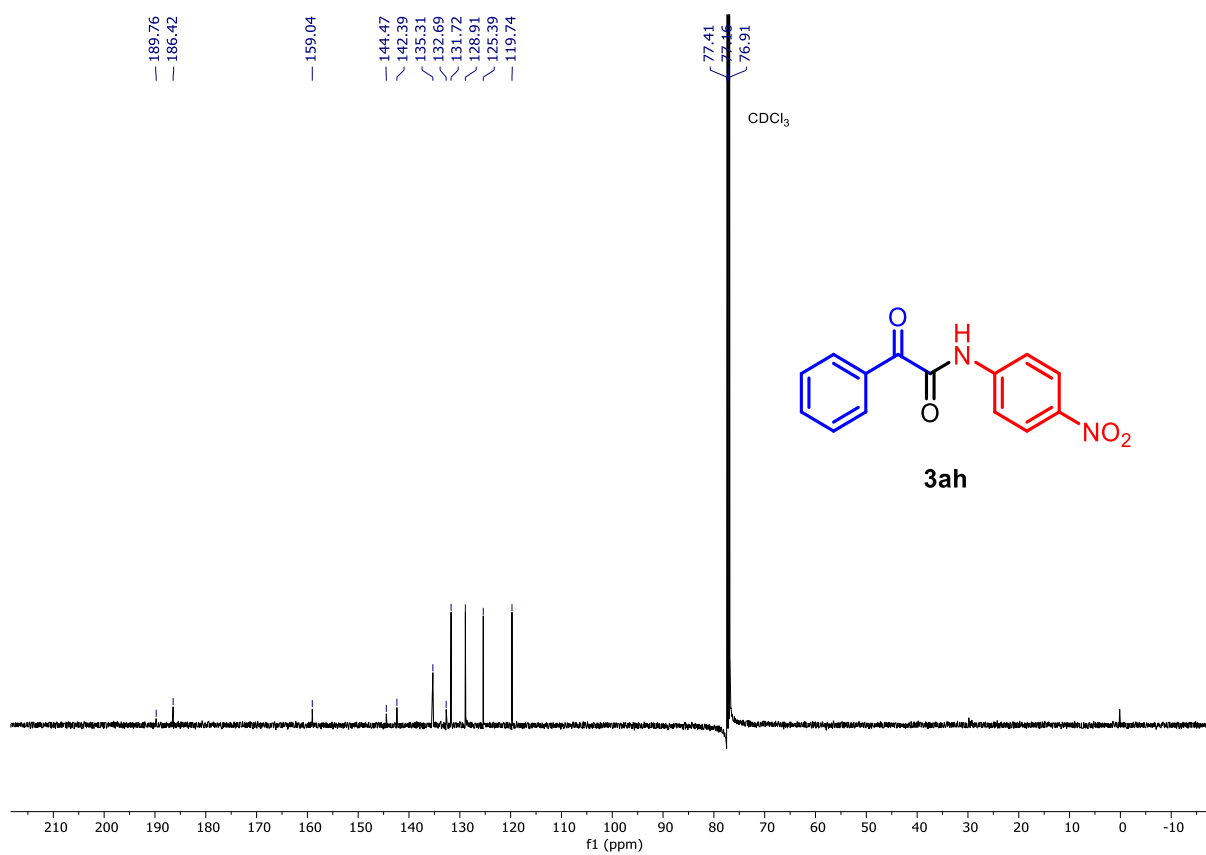
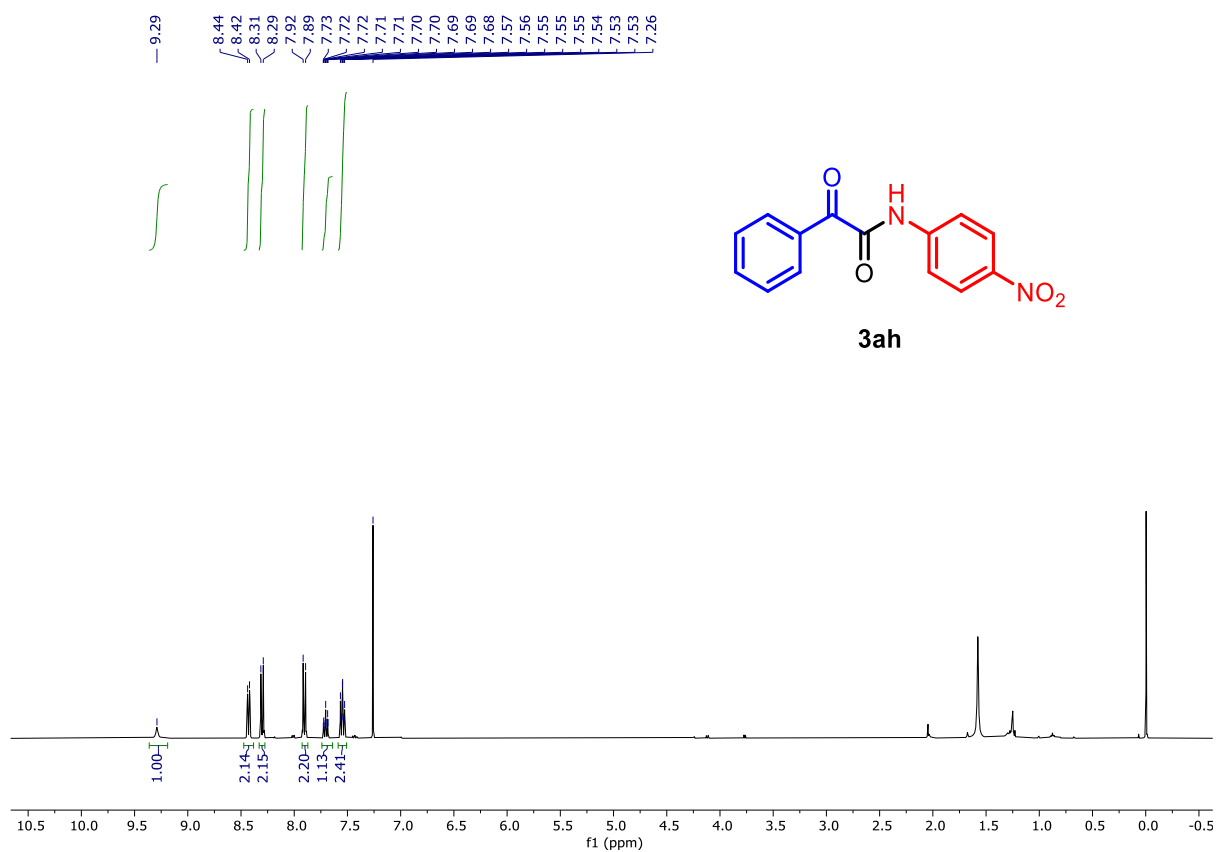
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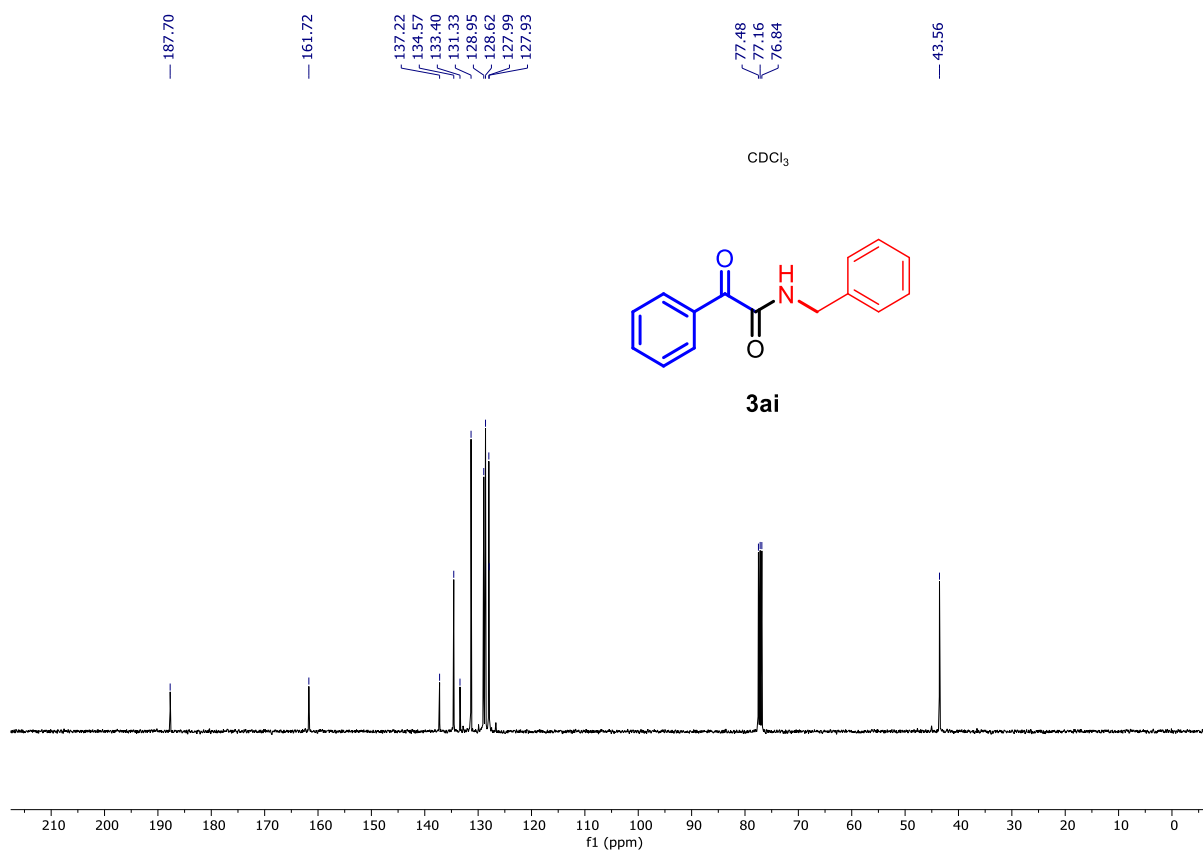
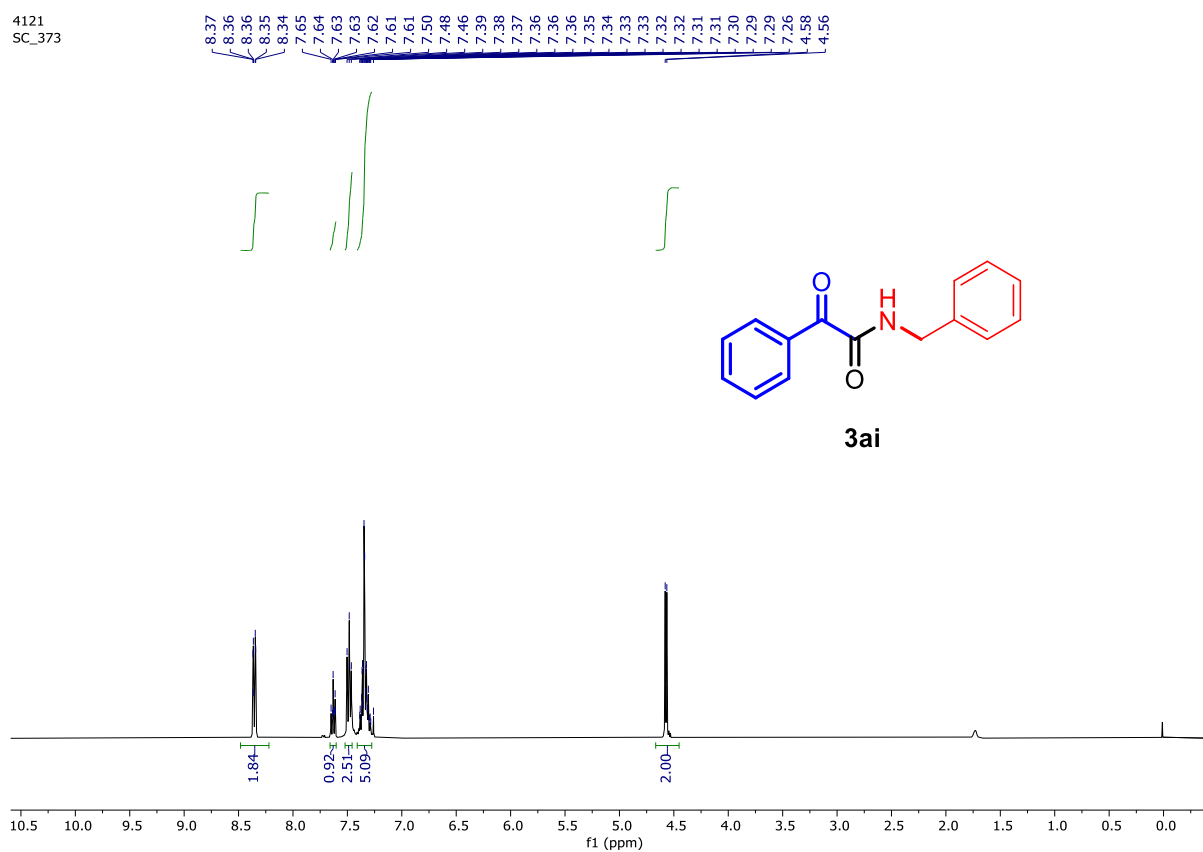


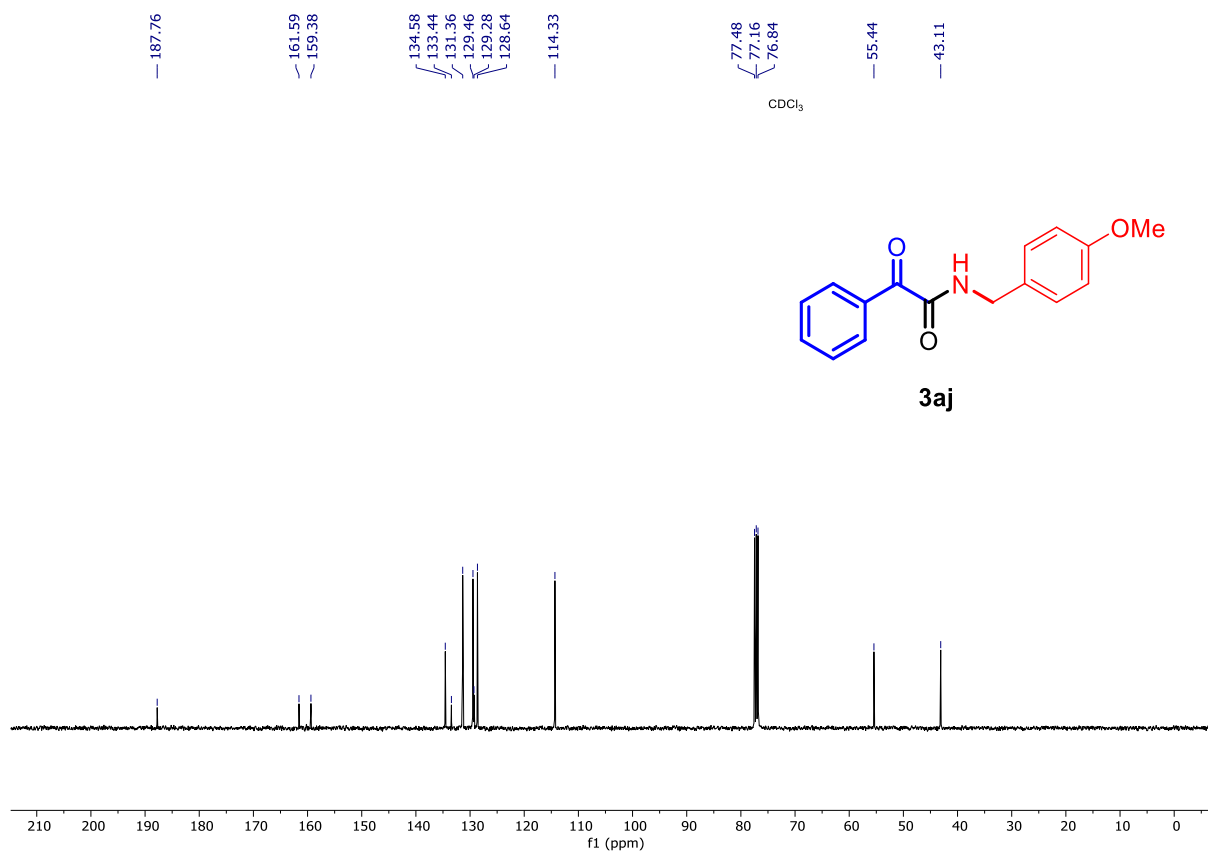
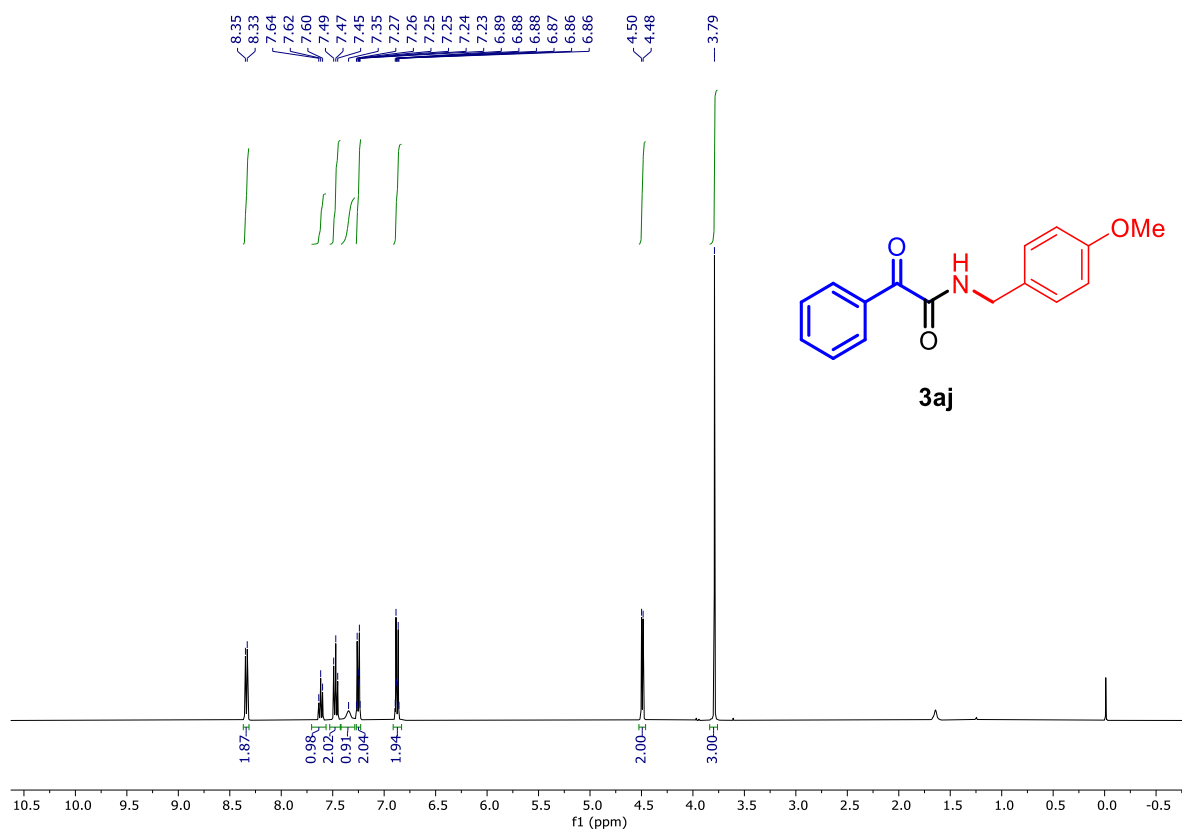
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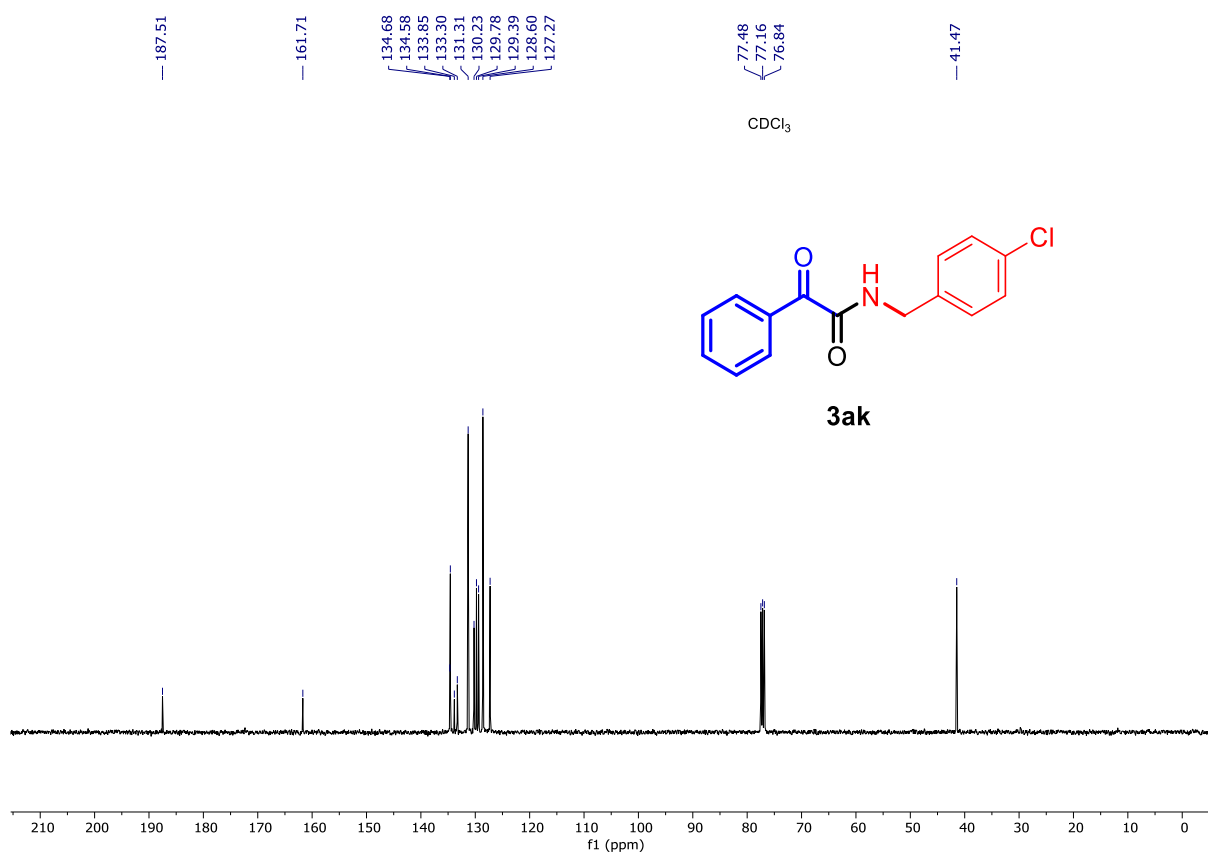
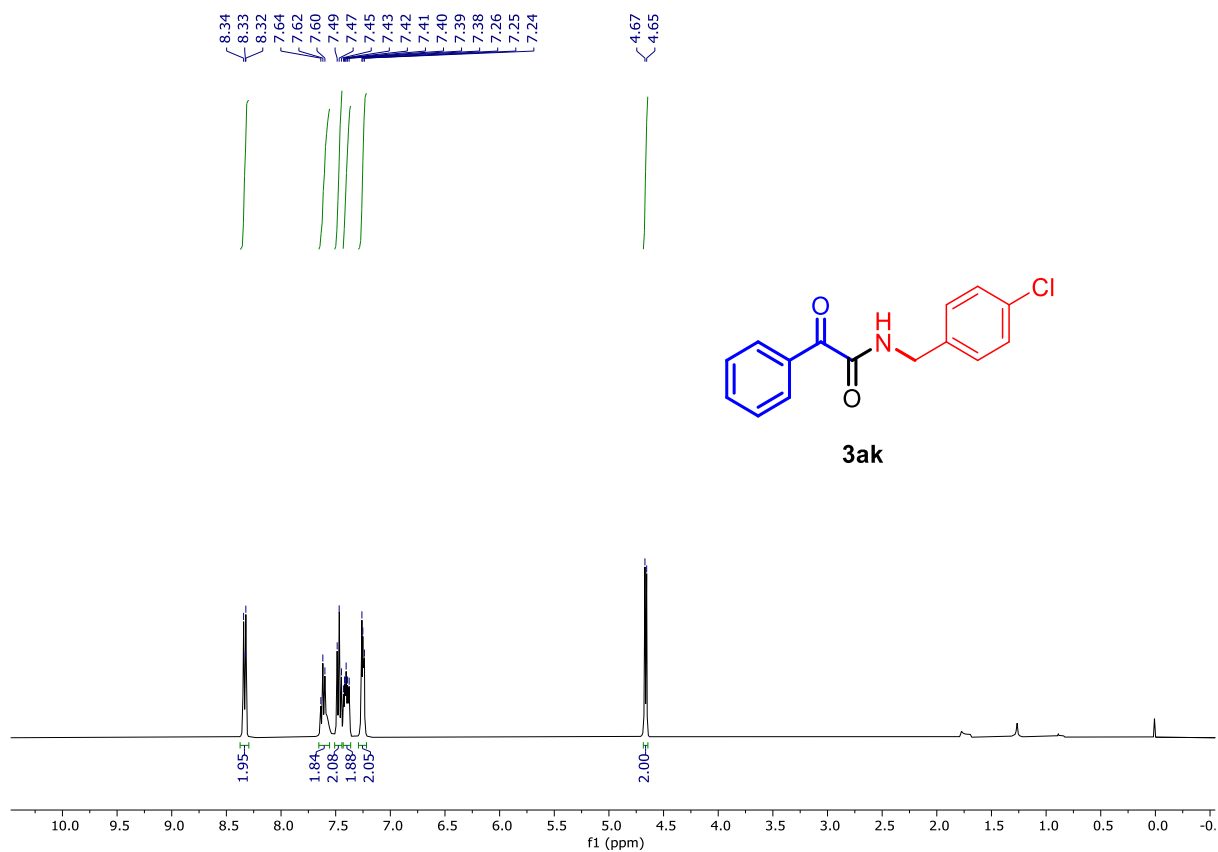


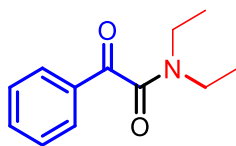
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SC_293



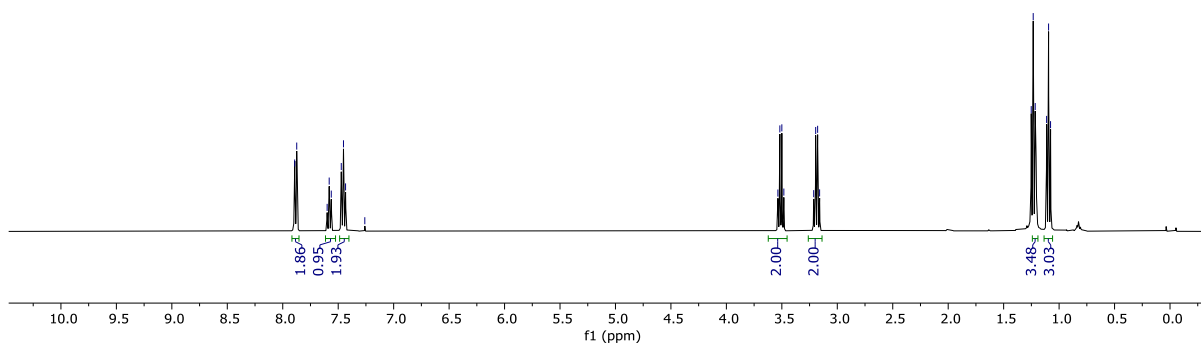
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SC_373





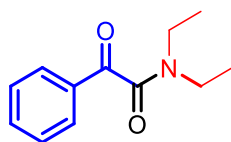
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7.87
7.60
7.56
7.47
7.45
7.43
7.263.54
3.52
3.50
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3.19
3.18
3.161.25
1.23
1.22
1.11
1.09
1.08

3al

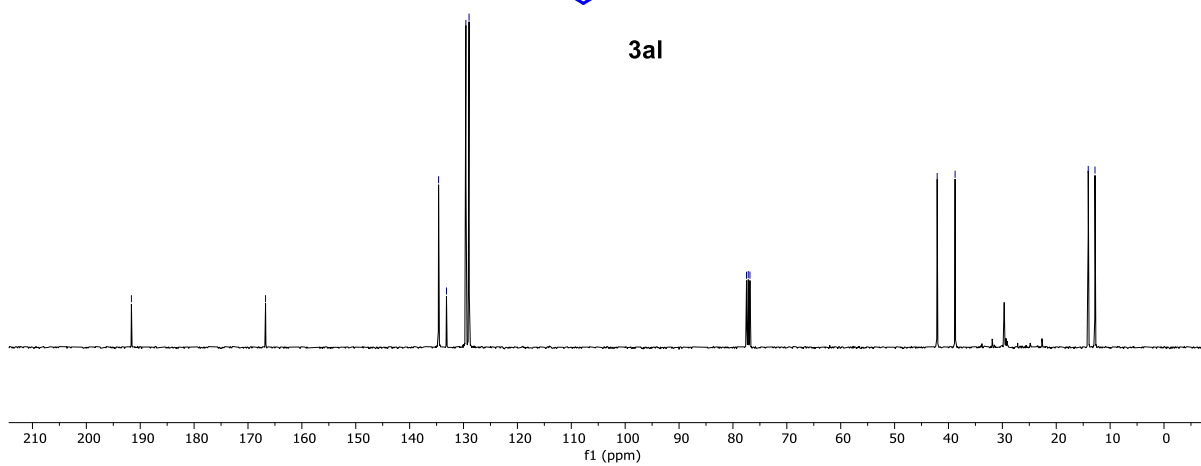
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SC_378

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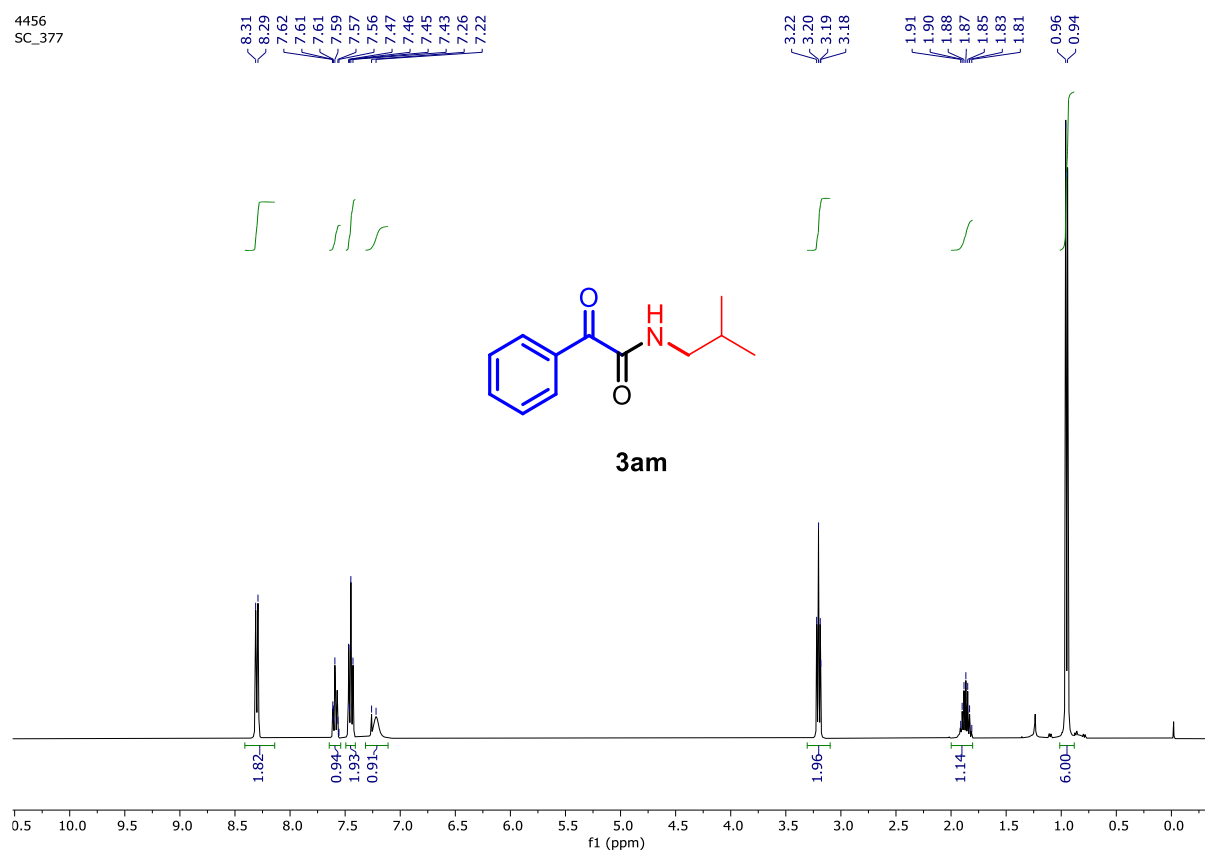
— 166.74

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129.57
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77.16
76.84— 42.10
— 38.7714.06
12.81CDCl₃

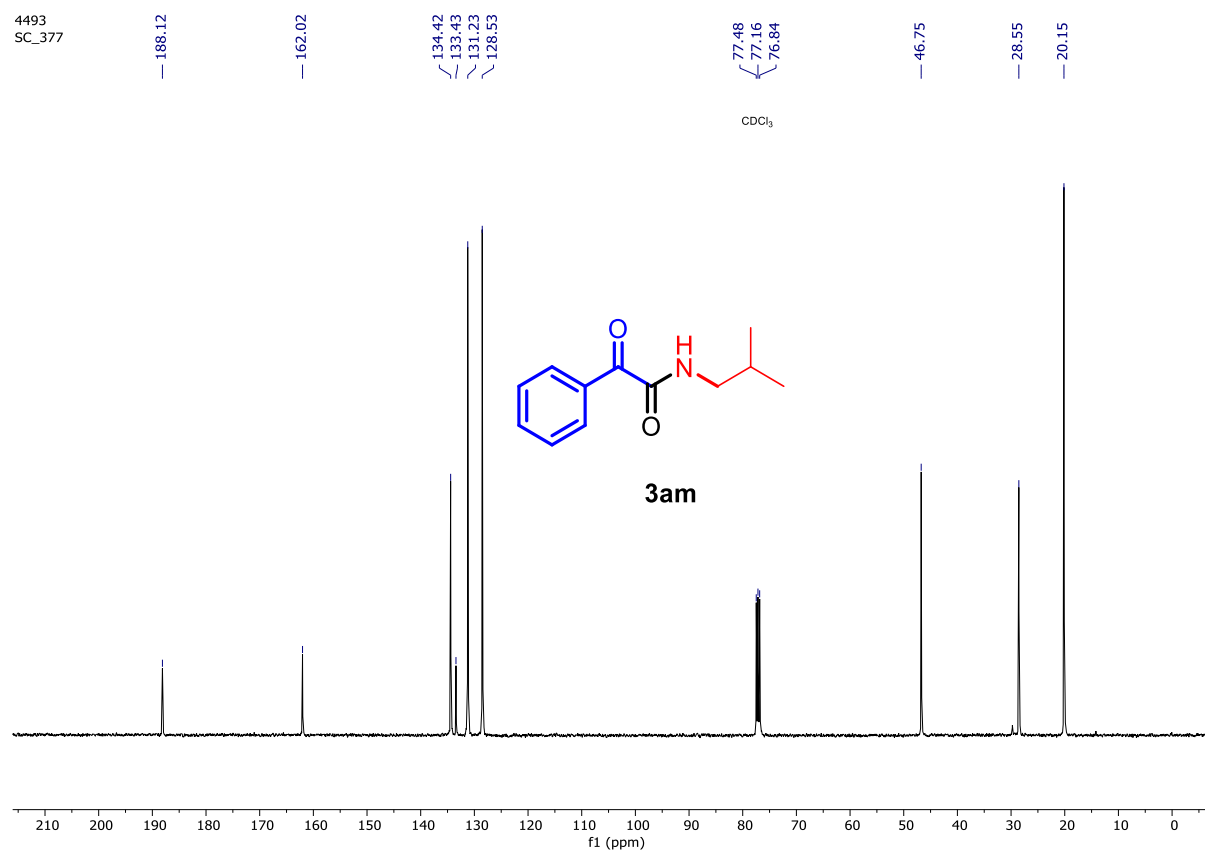
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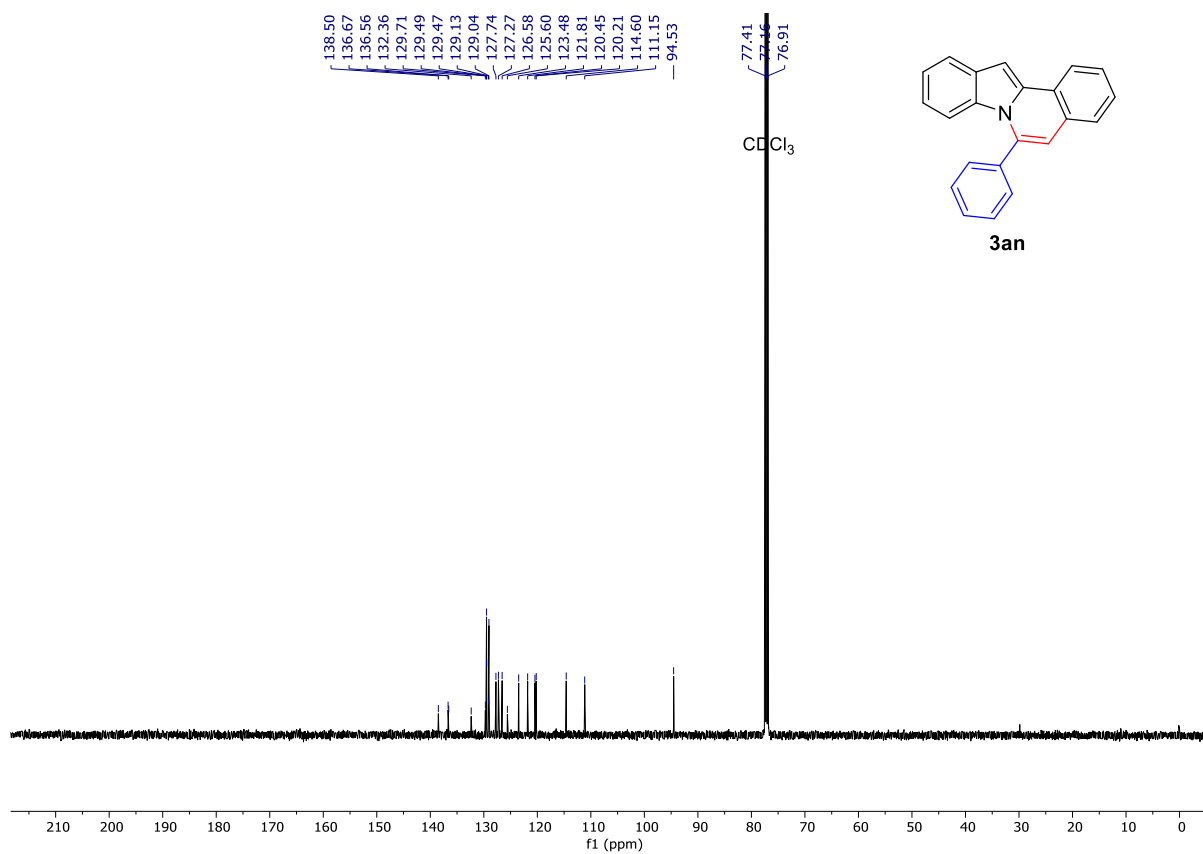
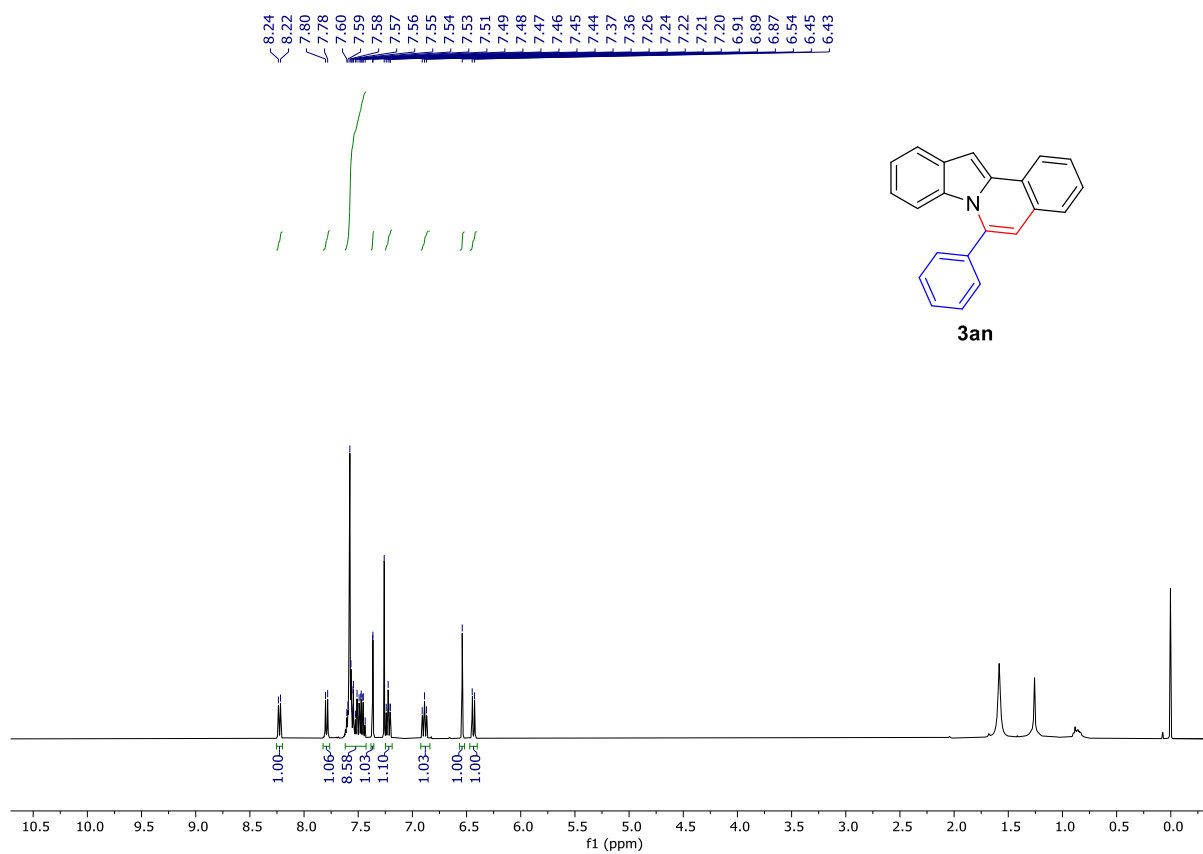


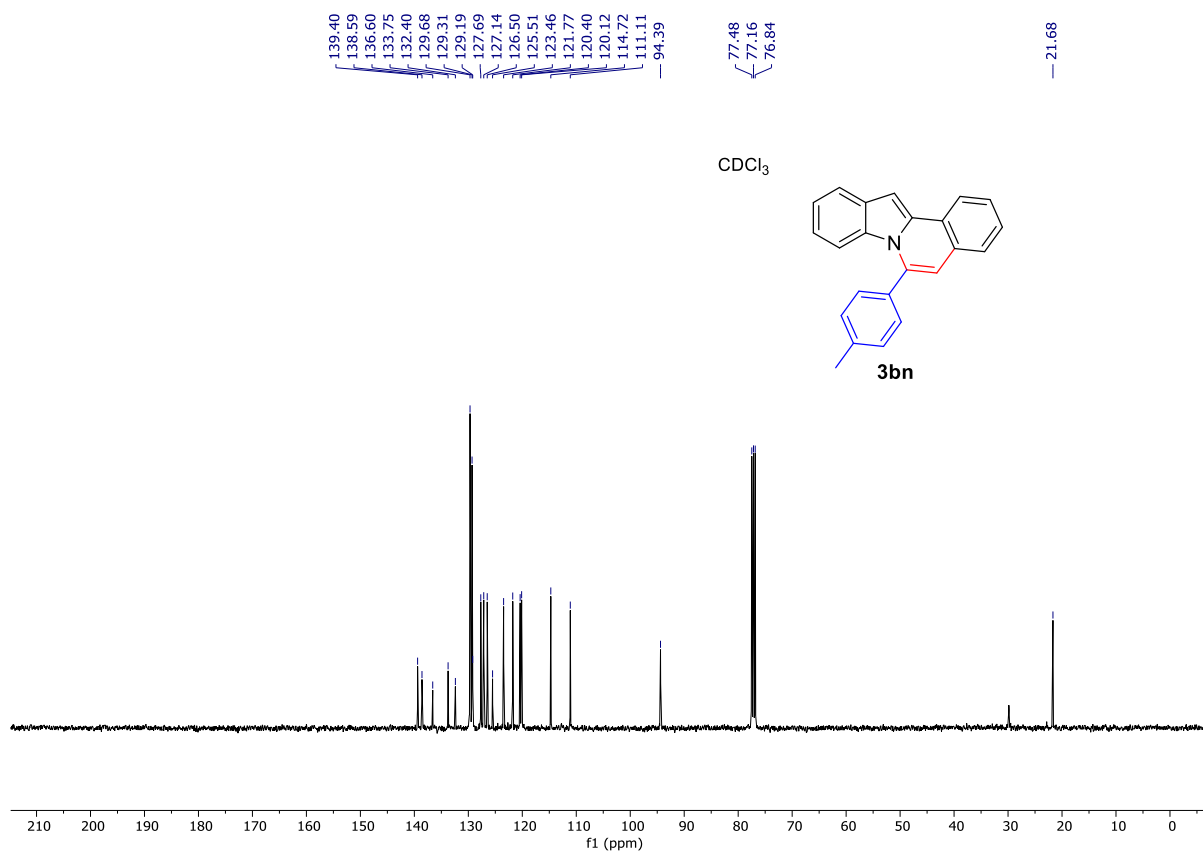
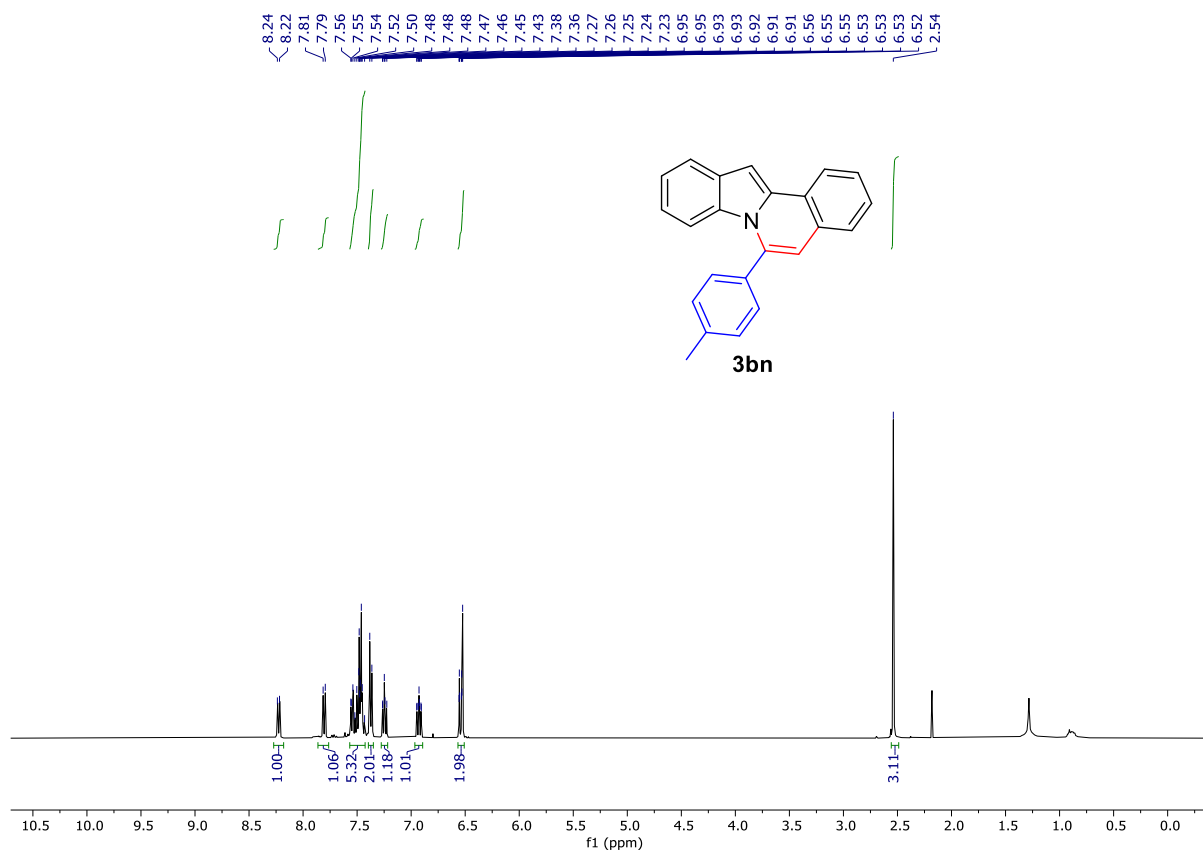
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SC_377



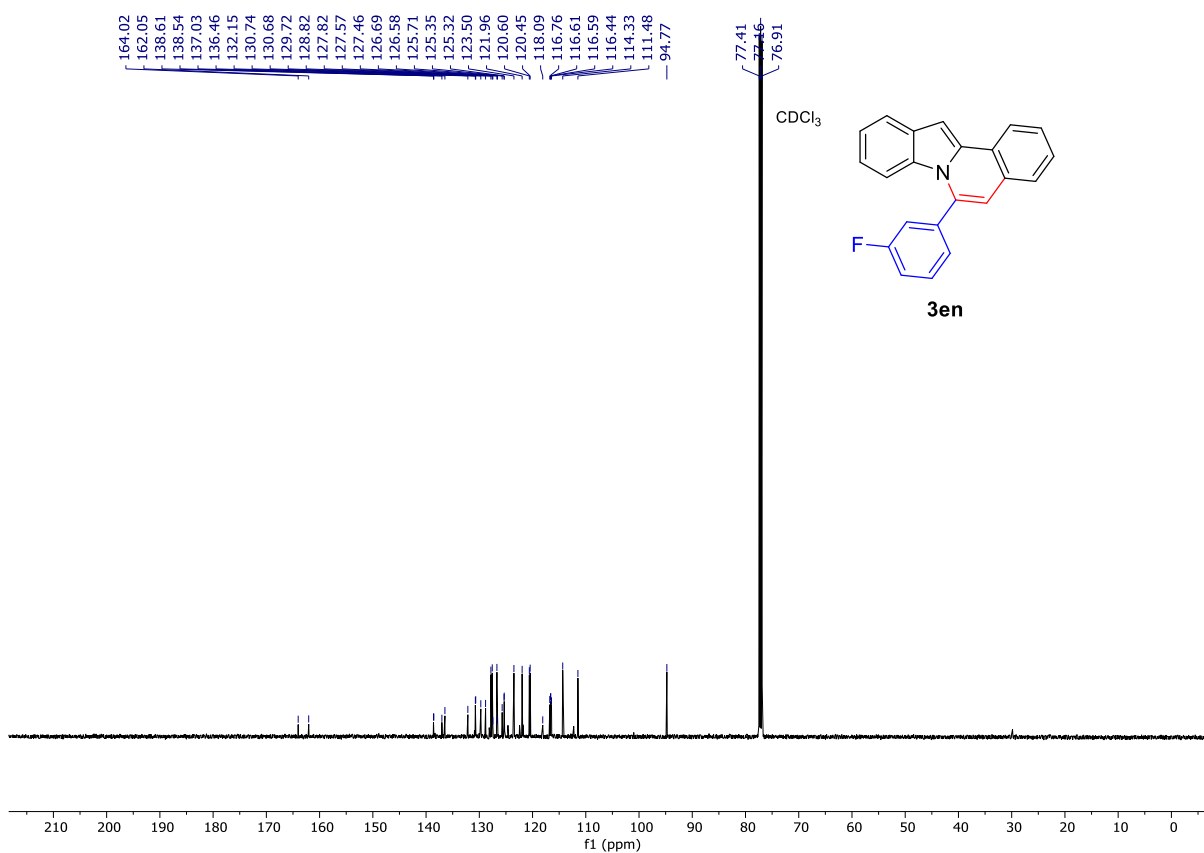
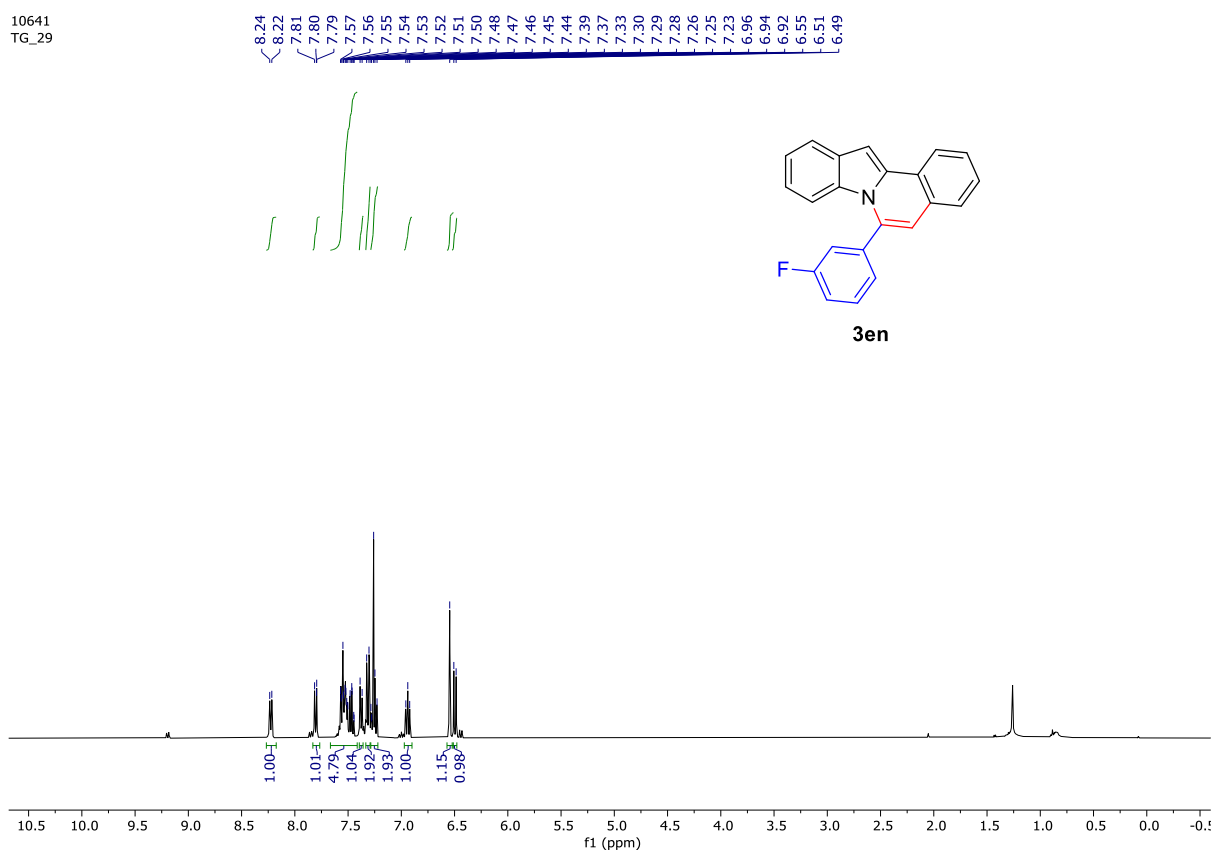
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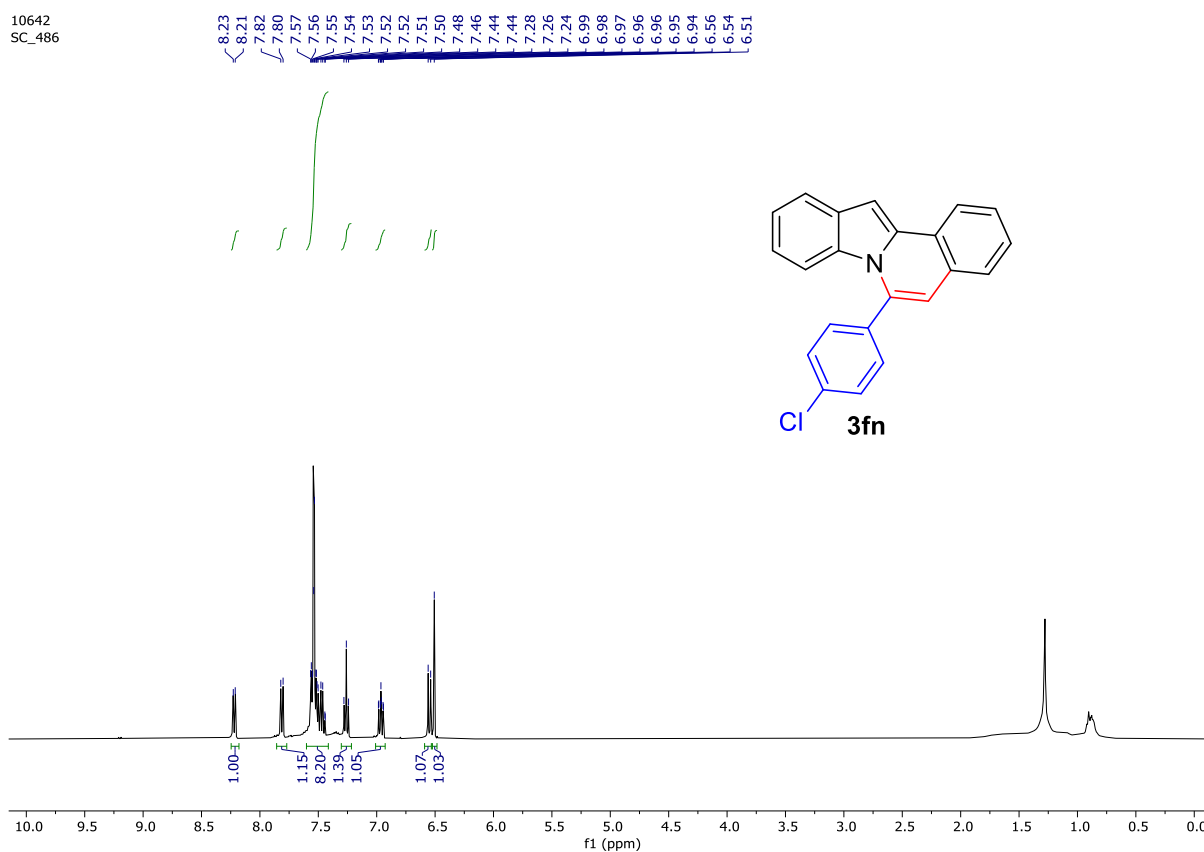




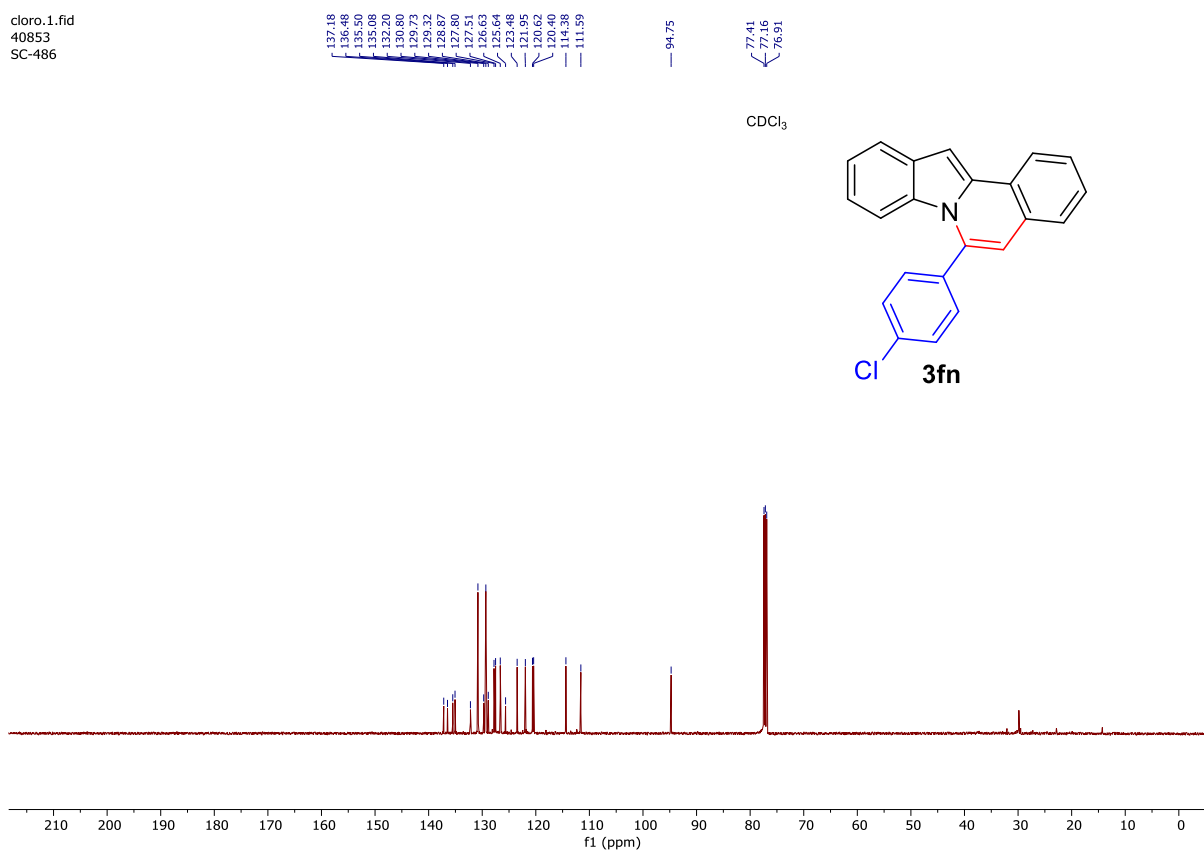
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TG_29

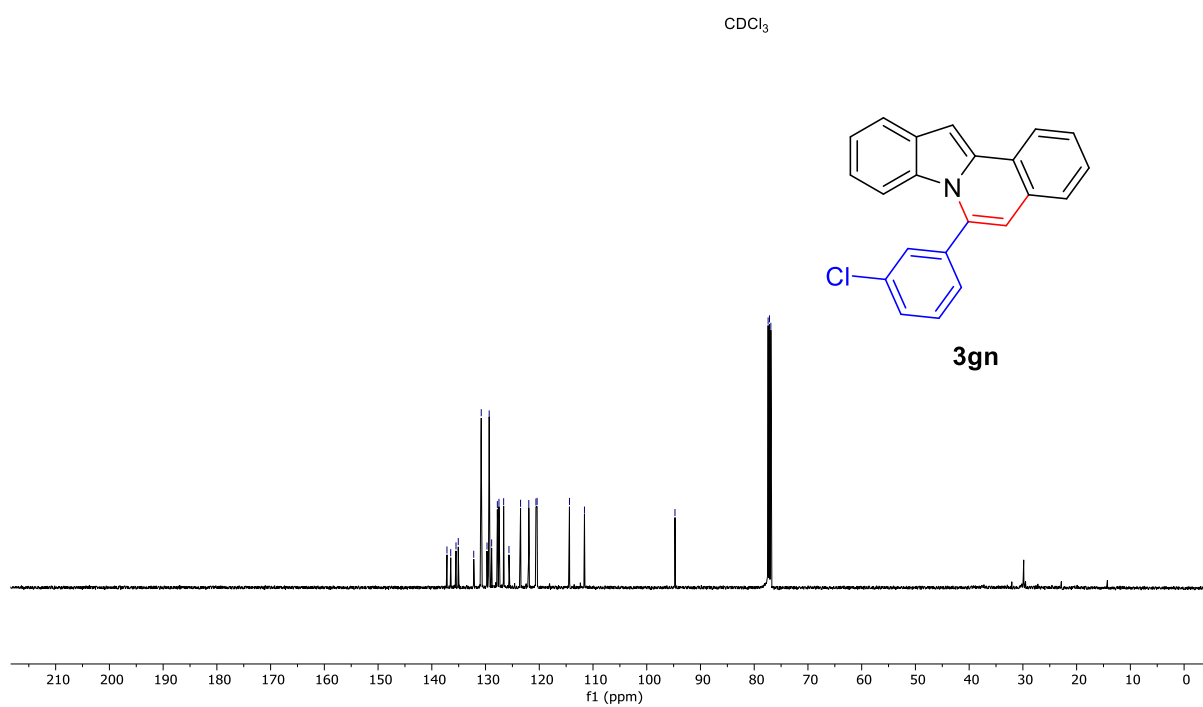
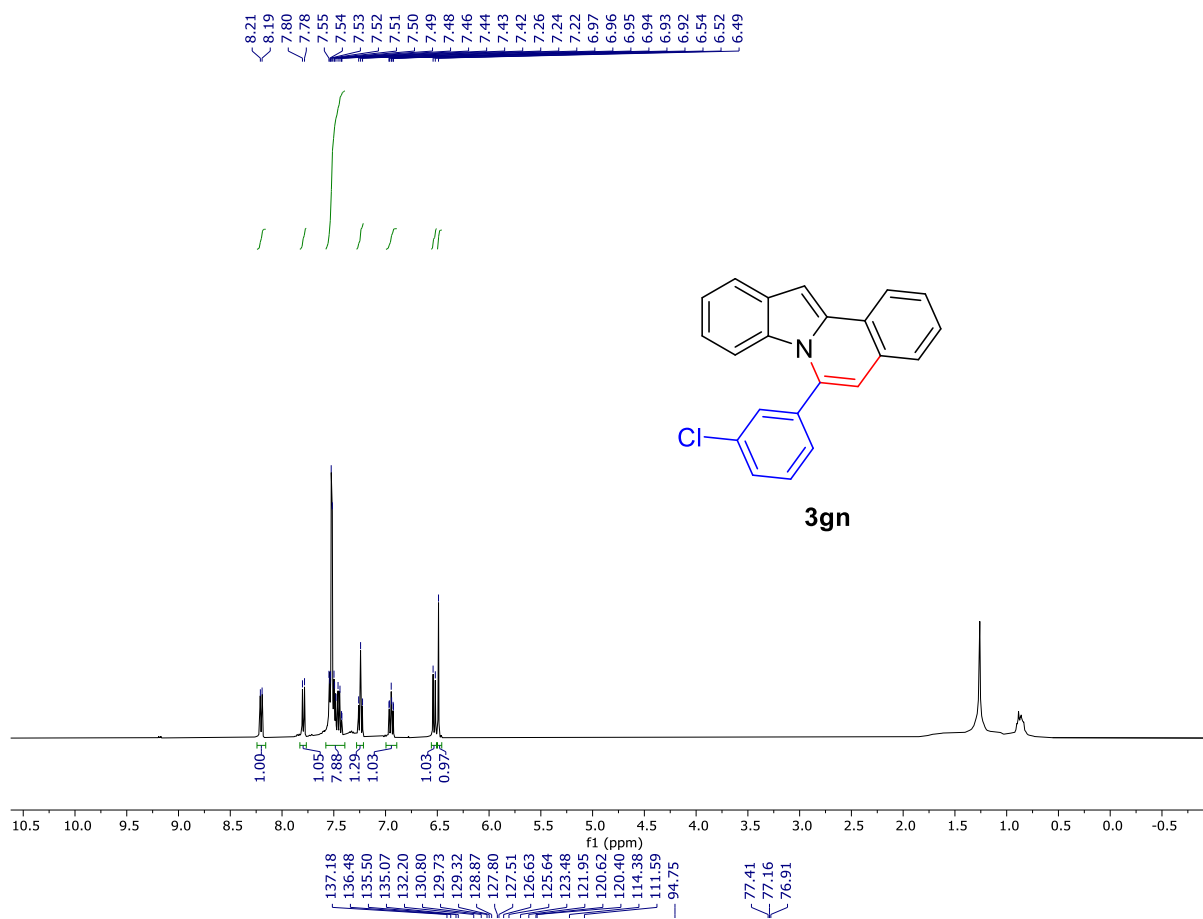


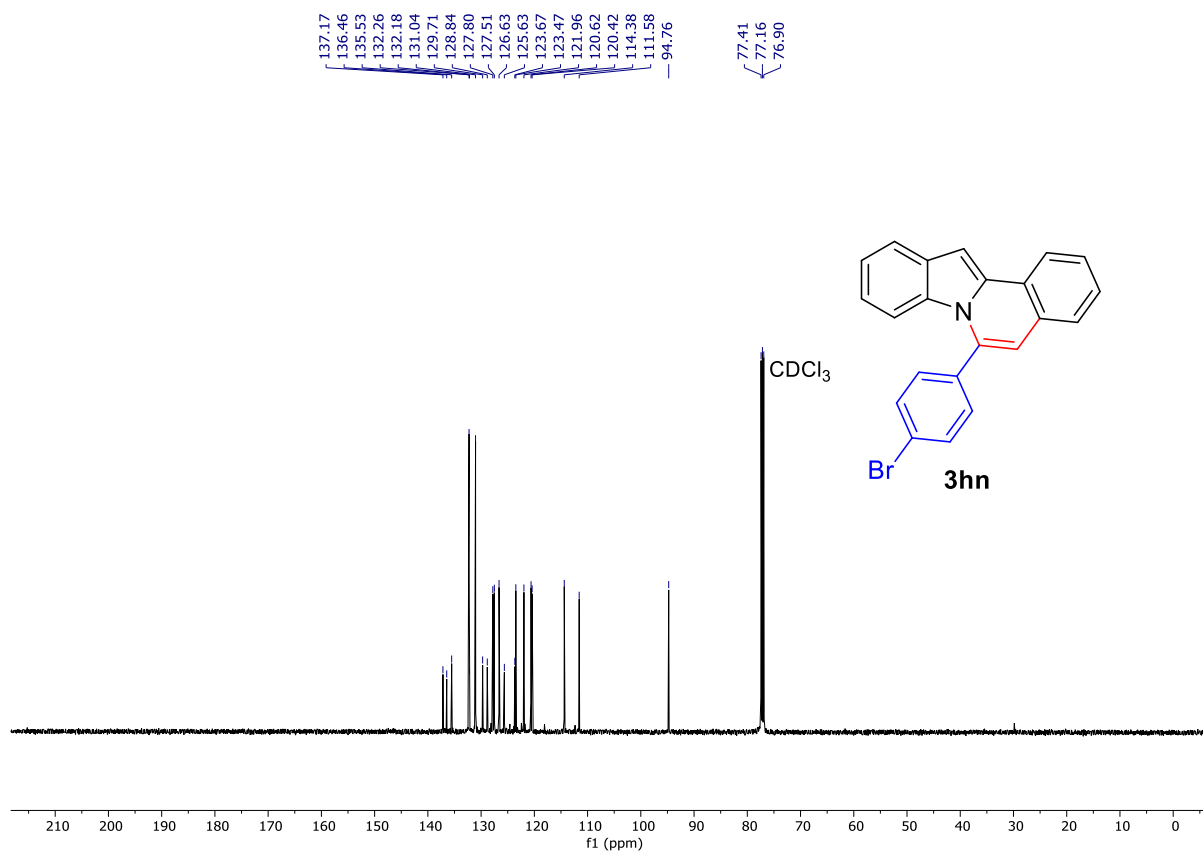
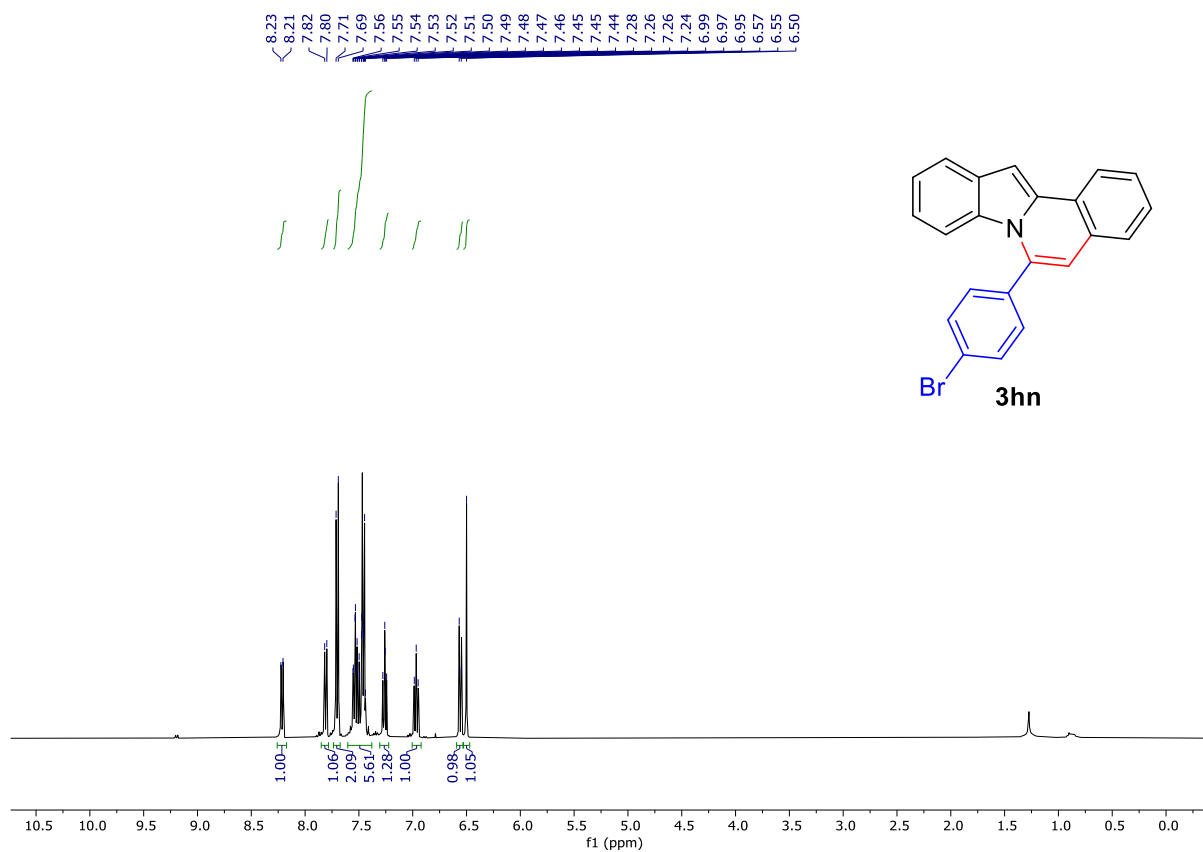
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SC_486

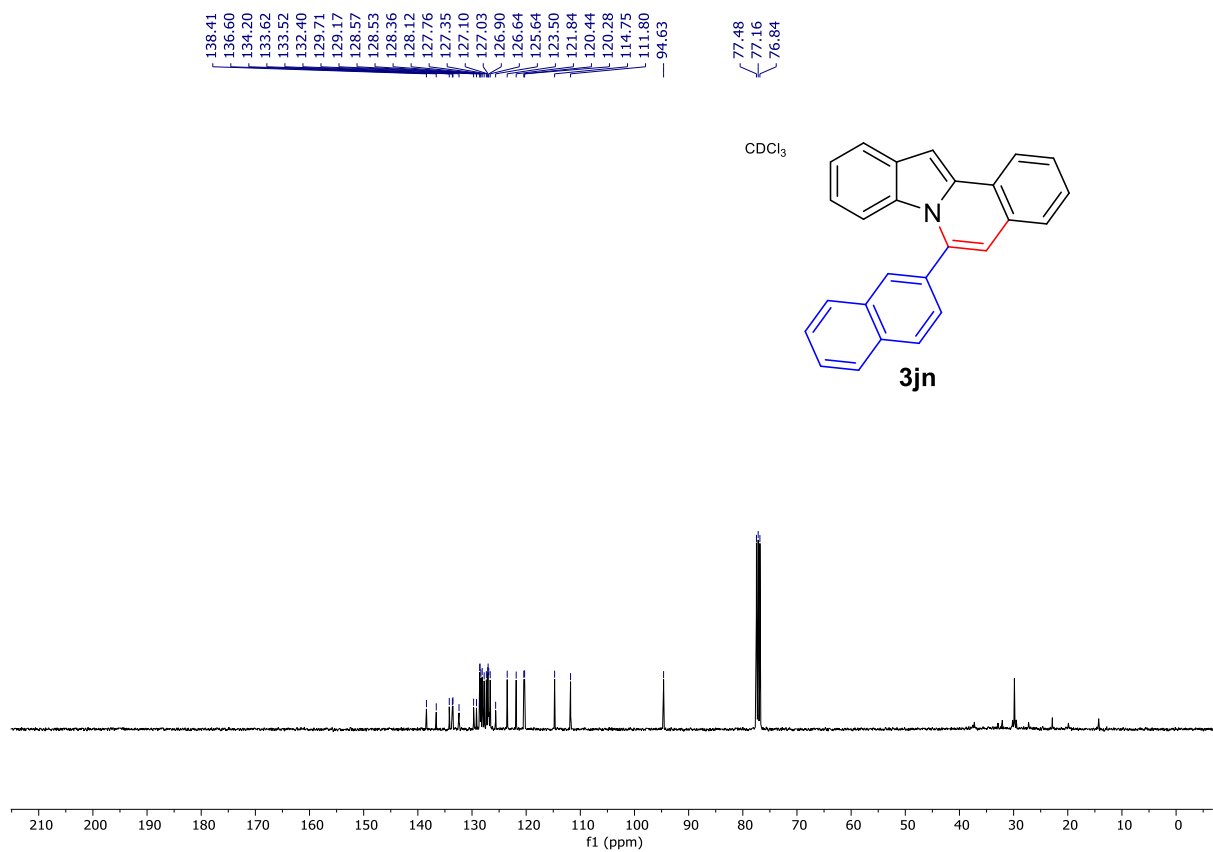
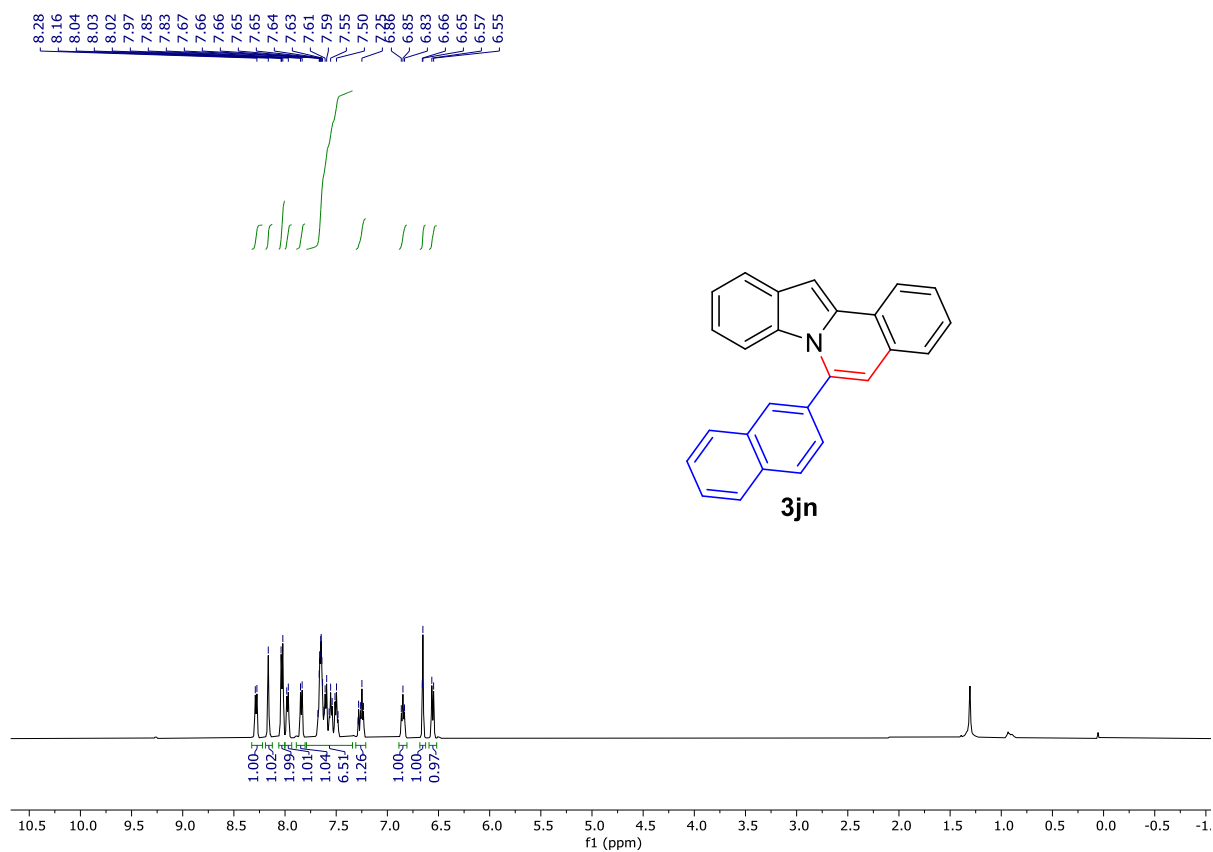


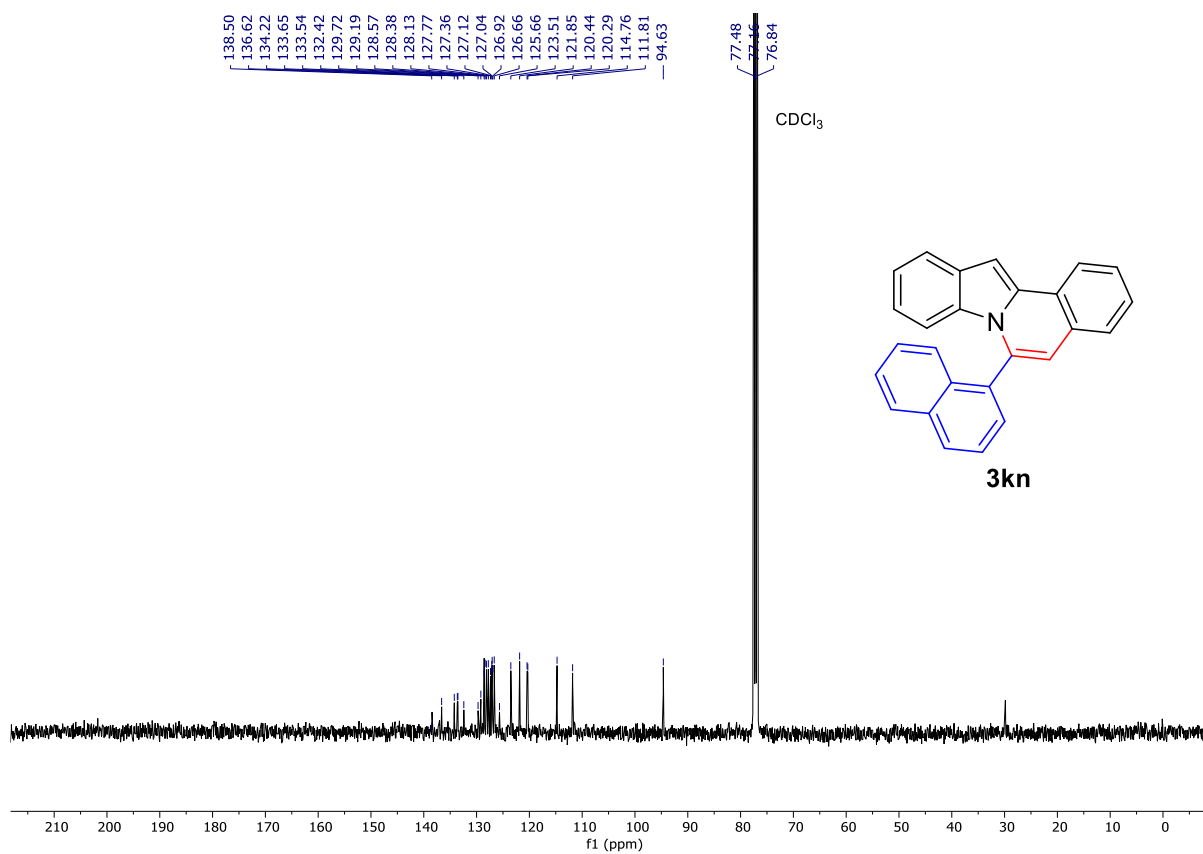
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SC-486

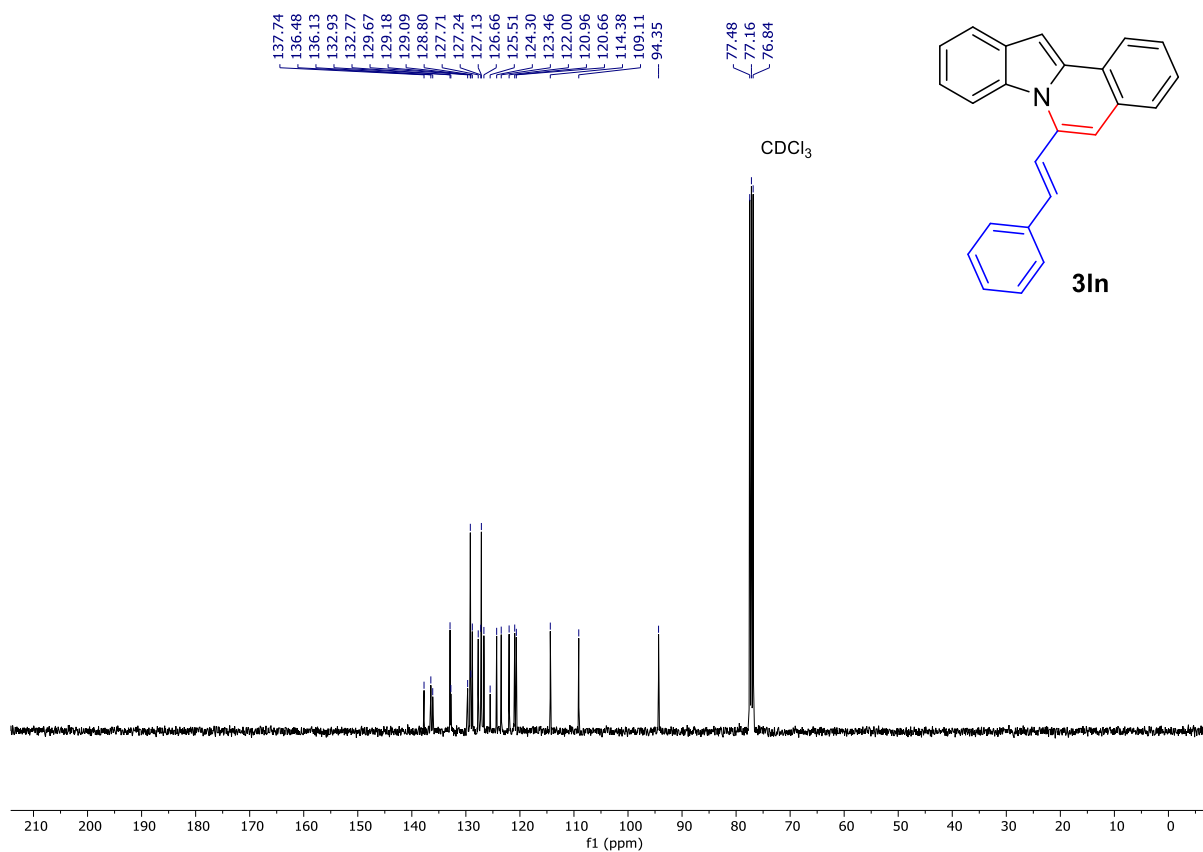
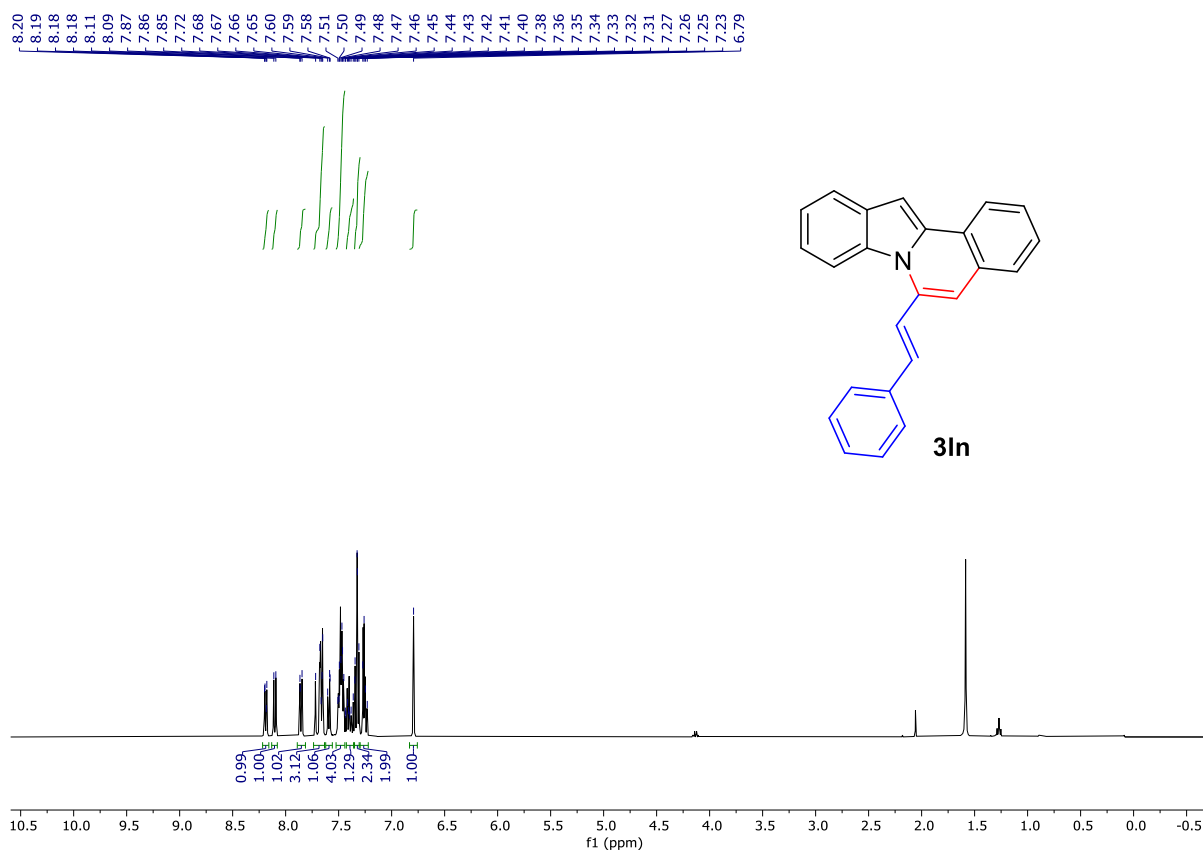




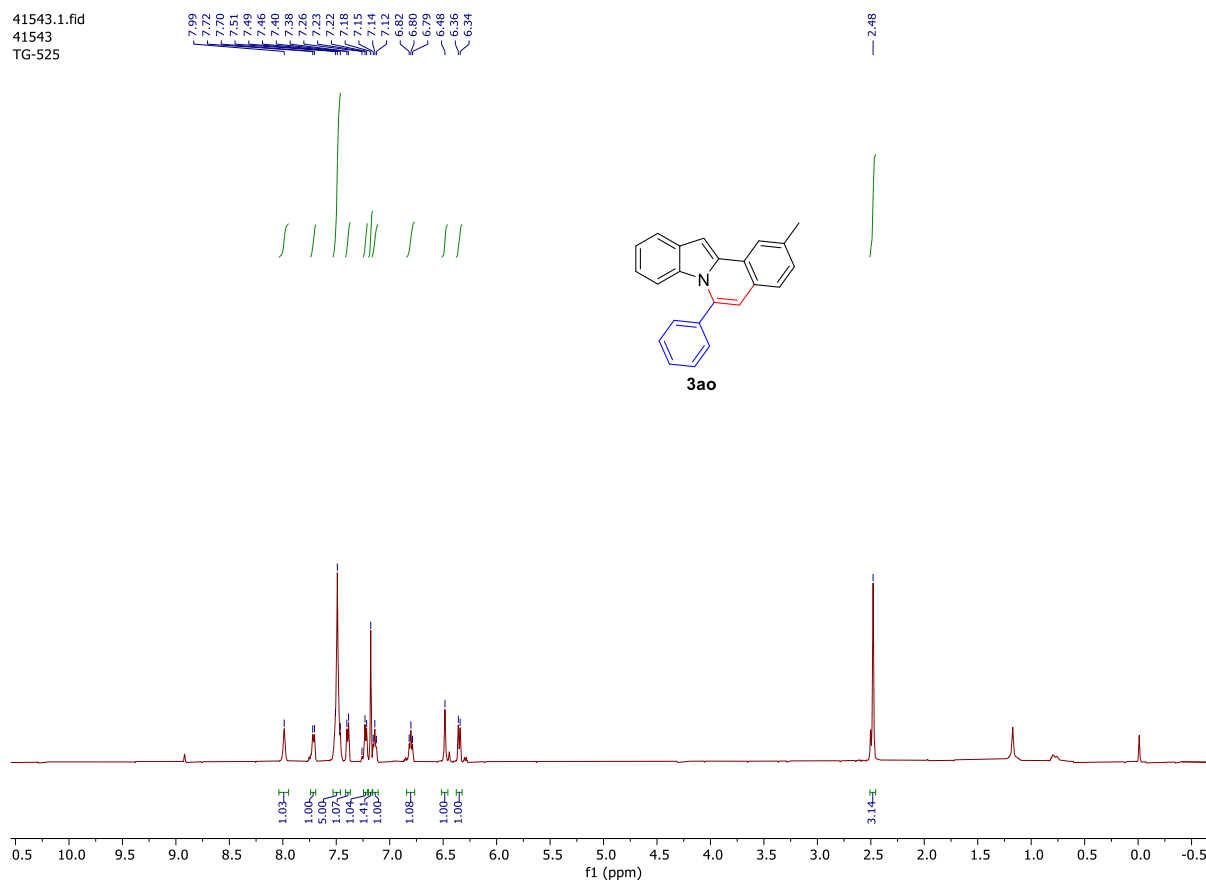




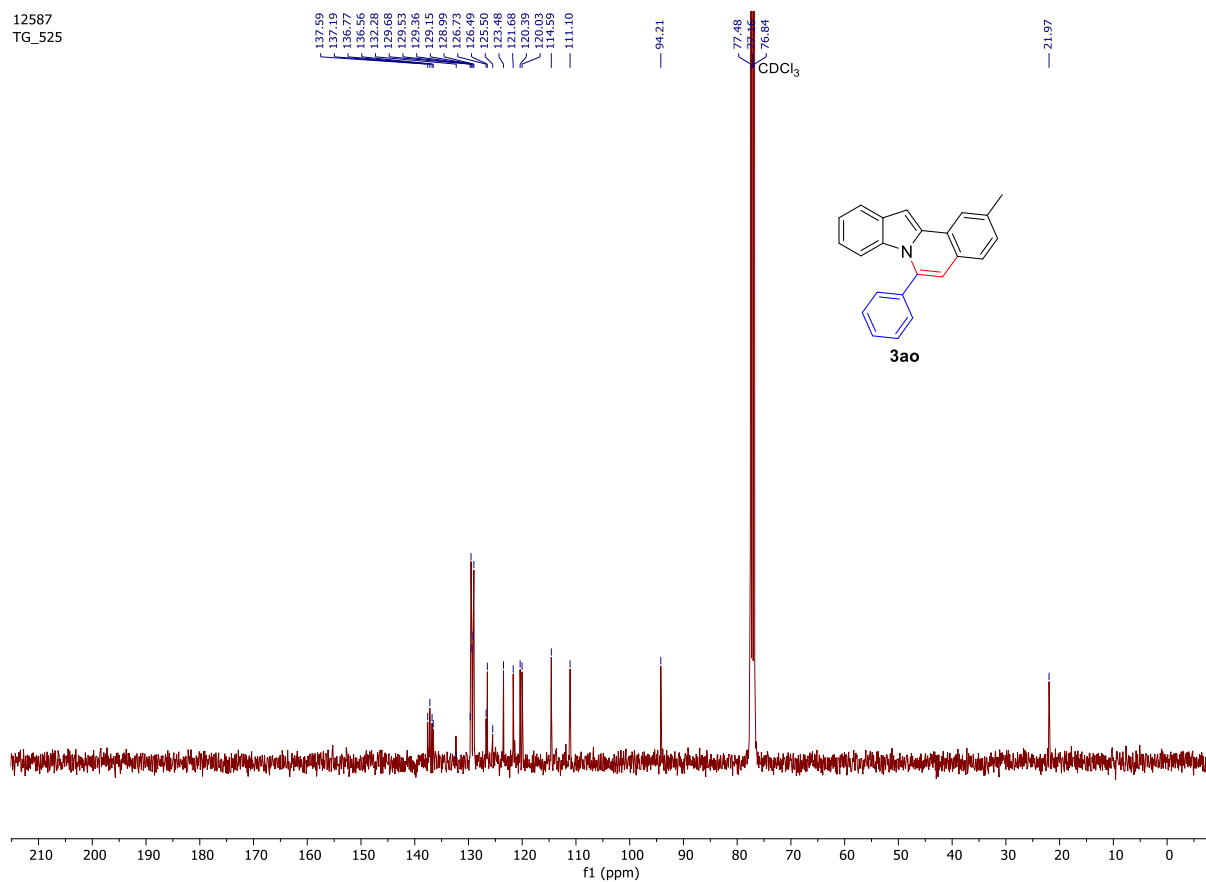




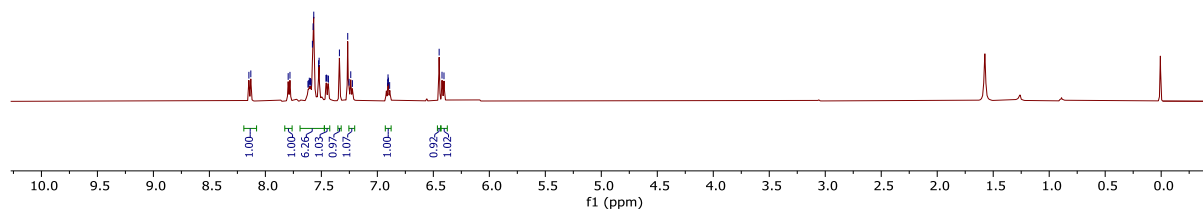
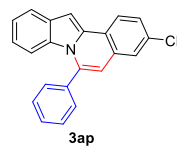
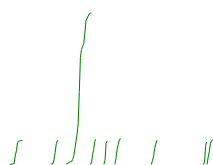
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41543
TG-525



12587
TG_525



41549.11
41549.11
SC-524



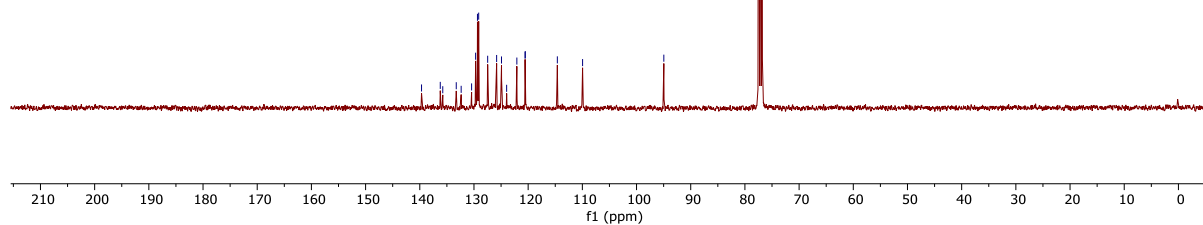
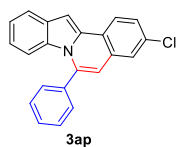
12588
TG_524

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129.68
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127.47
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123.97
120.99
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114.62
114.62
109.96

94.96

77.48
77.16
76.84

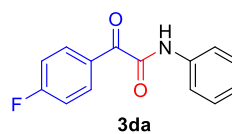
CDCl₃



Flourine NMR

12566
SC_287

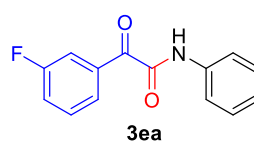
-111.37



55 -60 -65 -70 -75 -80 -85 -90 -95 -100 -105 -110 -115 -120 -125 -130 -135 -140 -145 -150 -155 -160 -165 -170 -175 -180 -185 -190 -195 -200 -210
f1 (ppm)

12565
SC_385

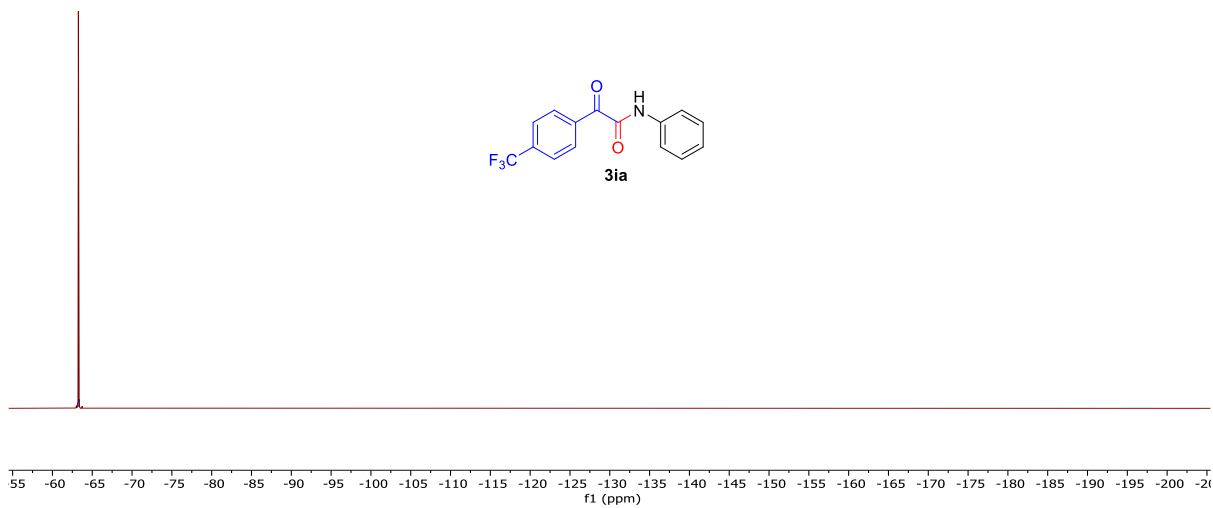
-111.26



55 -60 -65 -70 -75 -80 -85 -90 -95 -100 -105 -110 -115 -120 -125 -130 -135 -140 -145 -150 -155 -160 -165 -170 -175 -180 -185 -190 -195 -200 -210
f1 (ppm)

12584
TG_291

— 63.35



12563
SC_489

— 111.47

