

Supplementary Material

Synthesis of (*E*)-1,4-diaryl-2-butene-1,4-diones

Chieh-Kai Chan and Meng-Yang Chang*

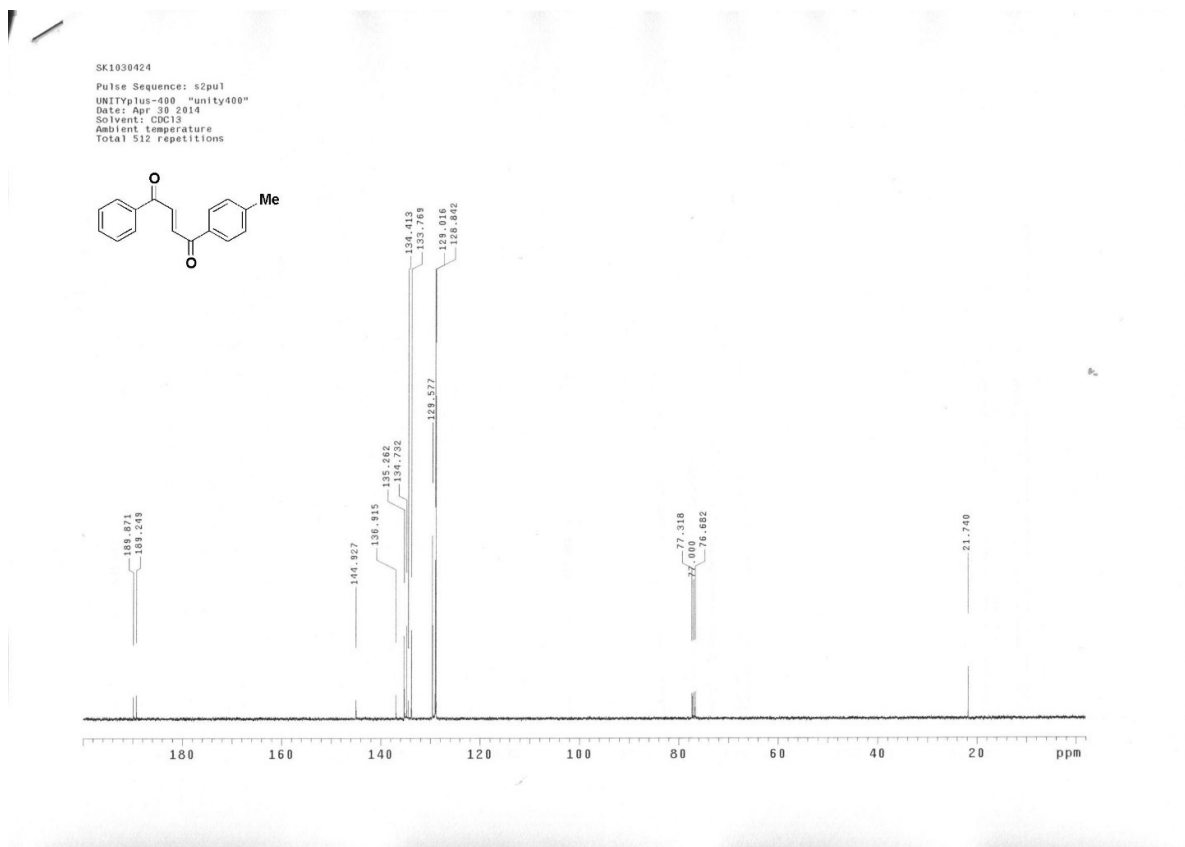
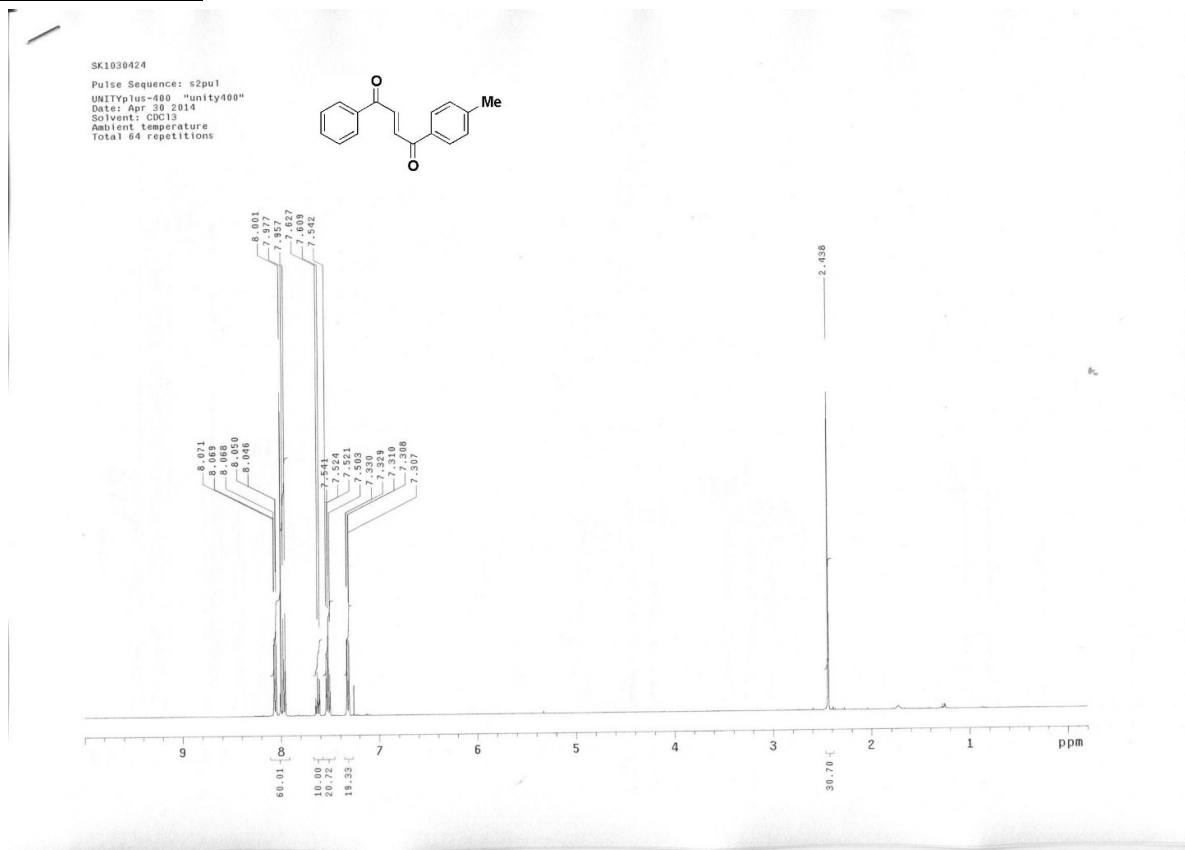
*Department of Medicinal and Applied Chemistry, Kaohsiung Medical University, Kaohsiung 807,
Taiwan*

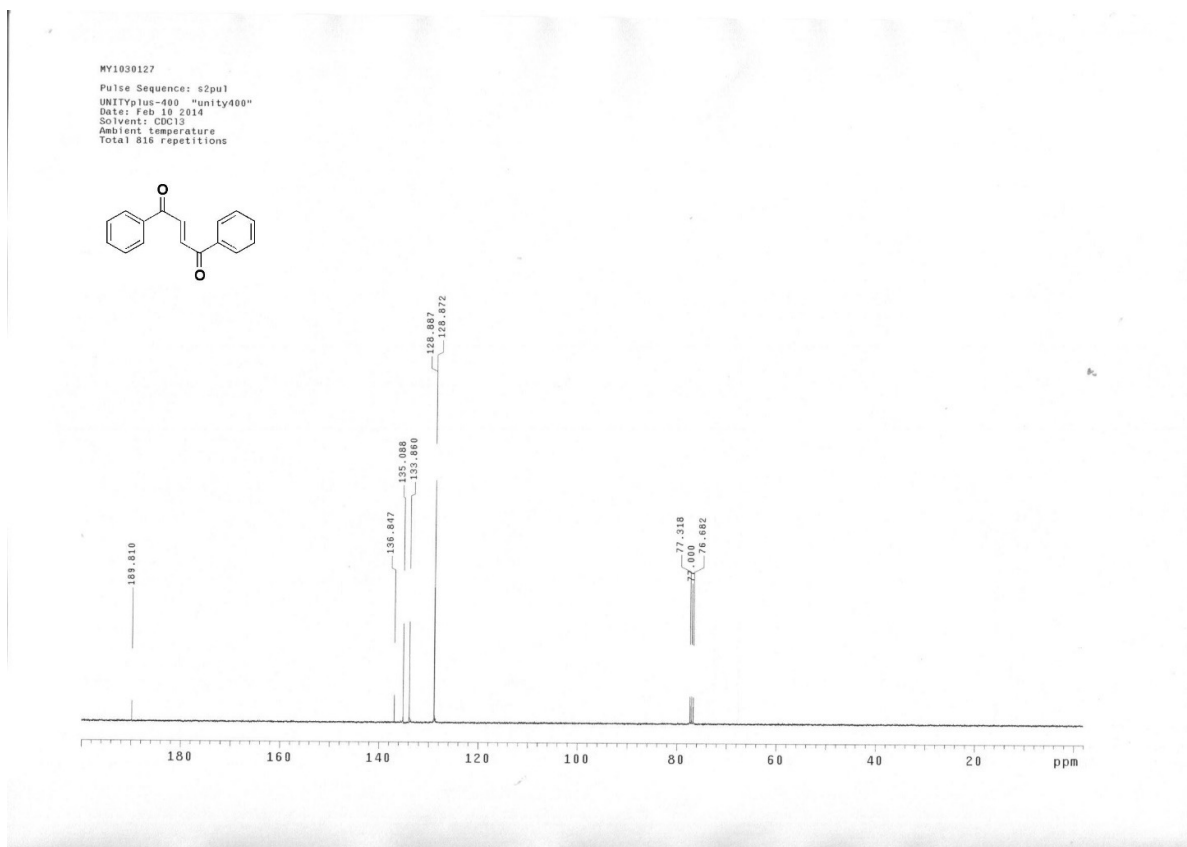
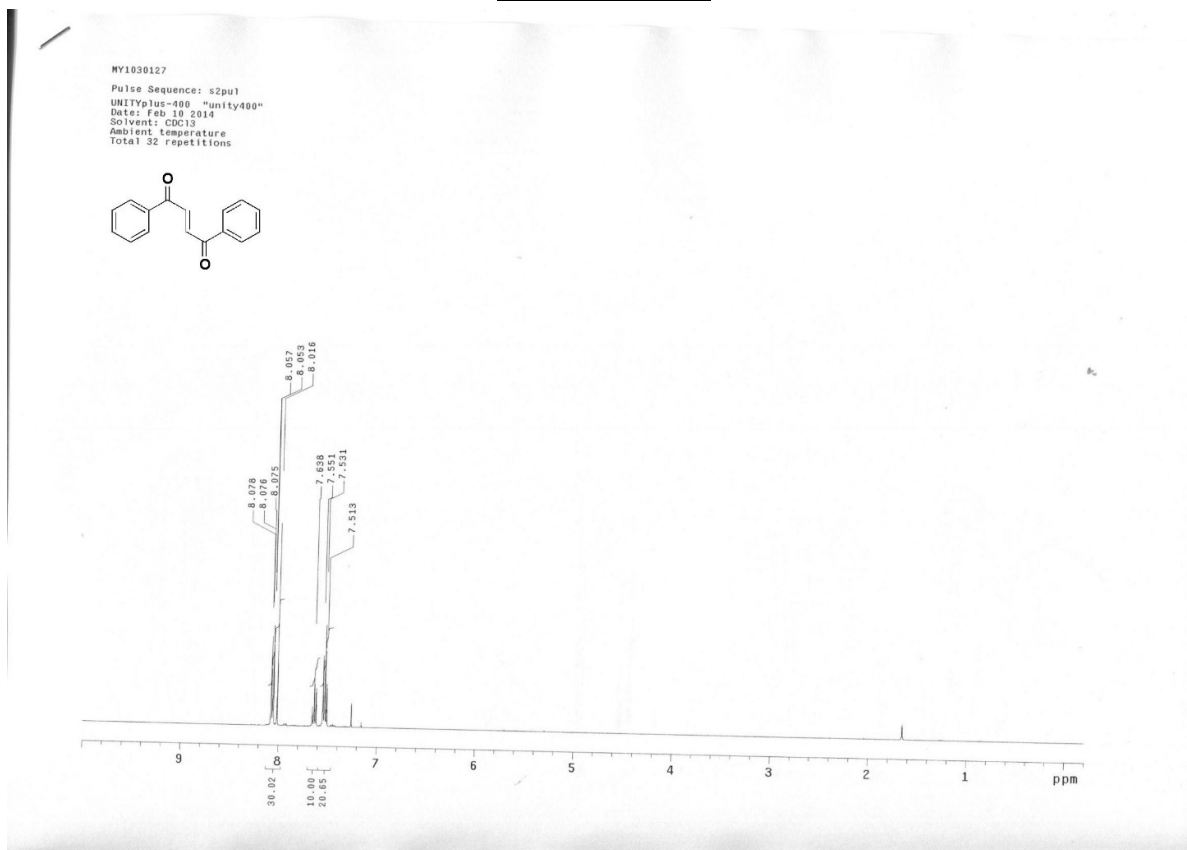
E-mail: mychang@kmu.edu.tw

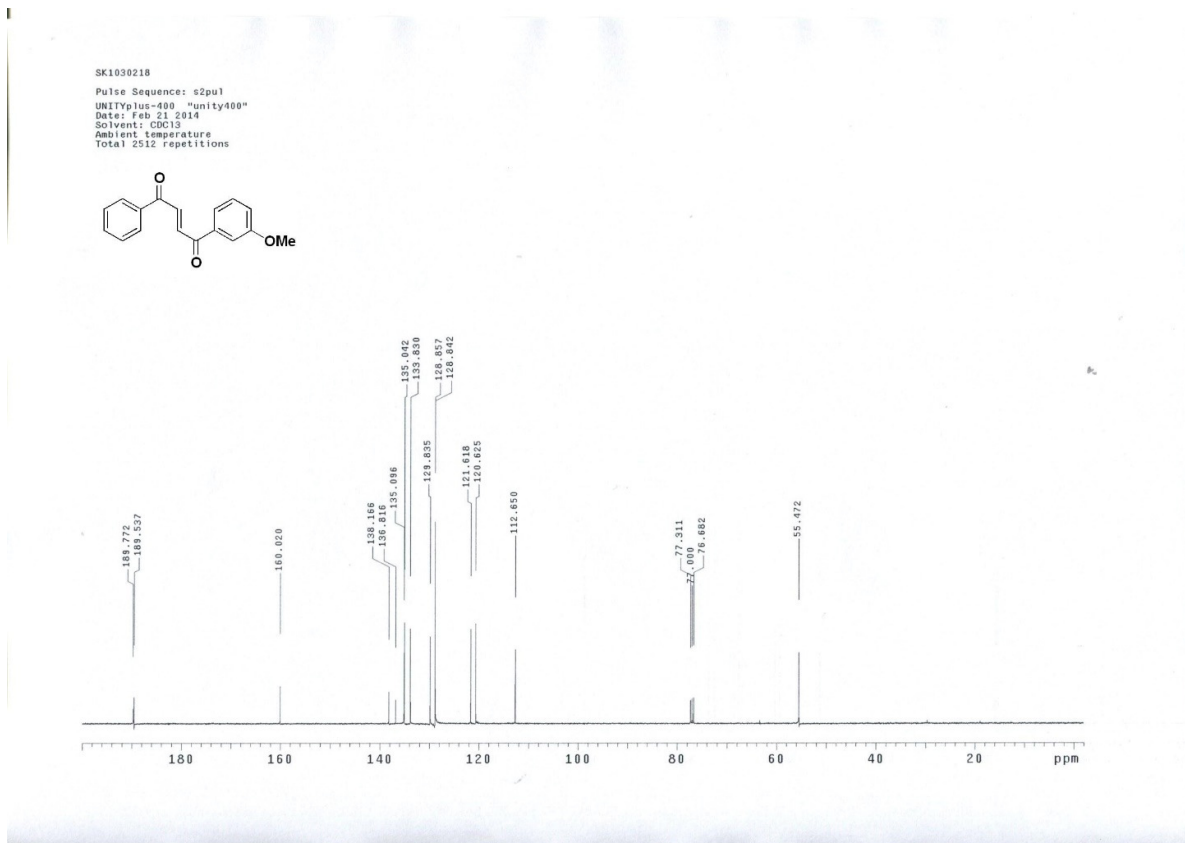
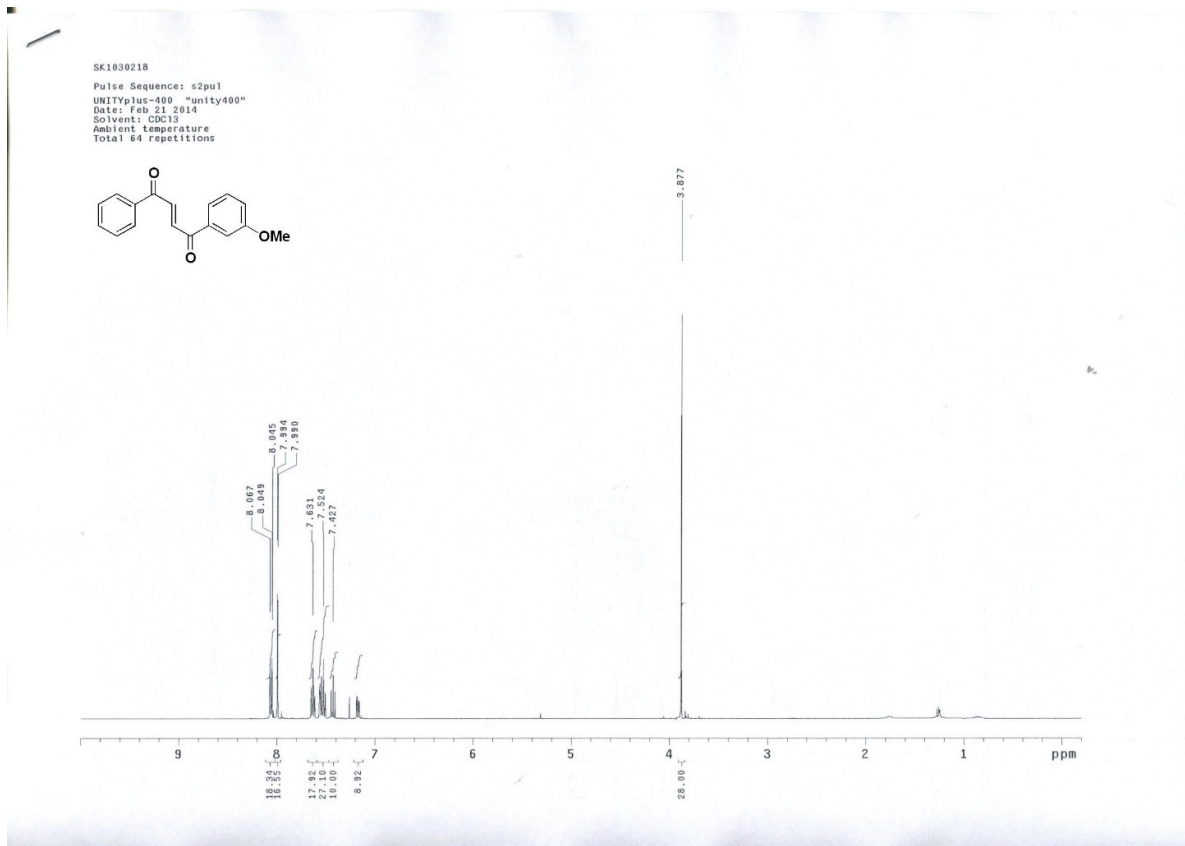
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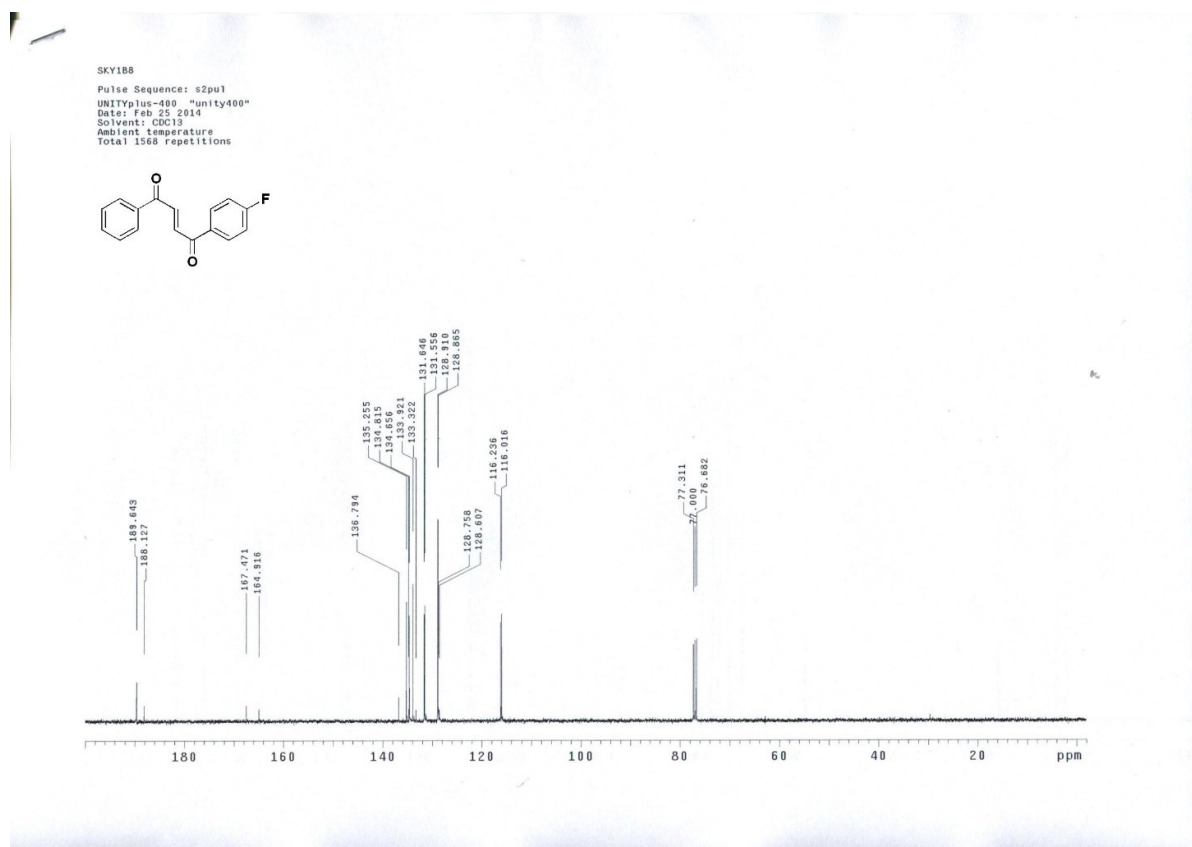
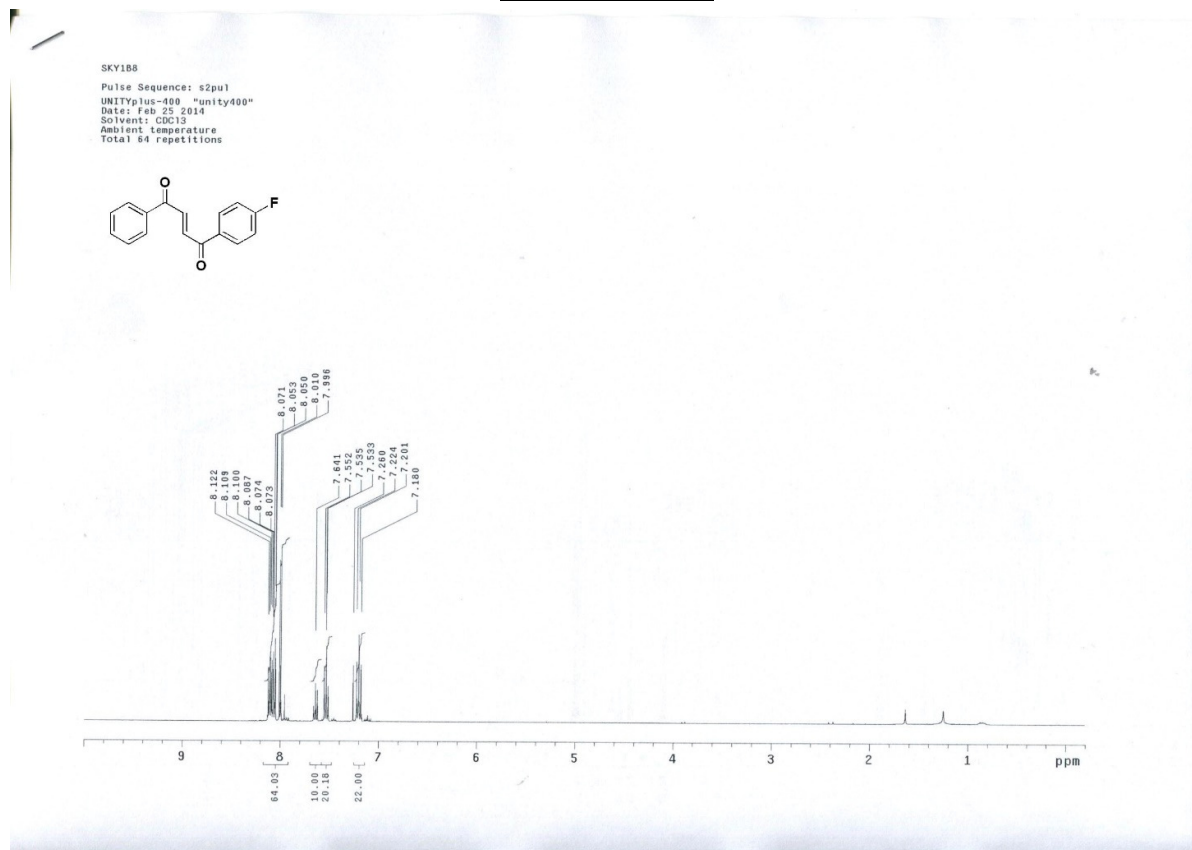
1.	¹ H NMR and ¹³ C NMR spectra copies of 3a-3r	S2
2.	¹ H NMR and ¹³ C NMR spectra copies of 5a-5e	S20
3.	¹ H NMR and ¹³ C NMR spectra copies of 7a-7d	S25

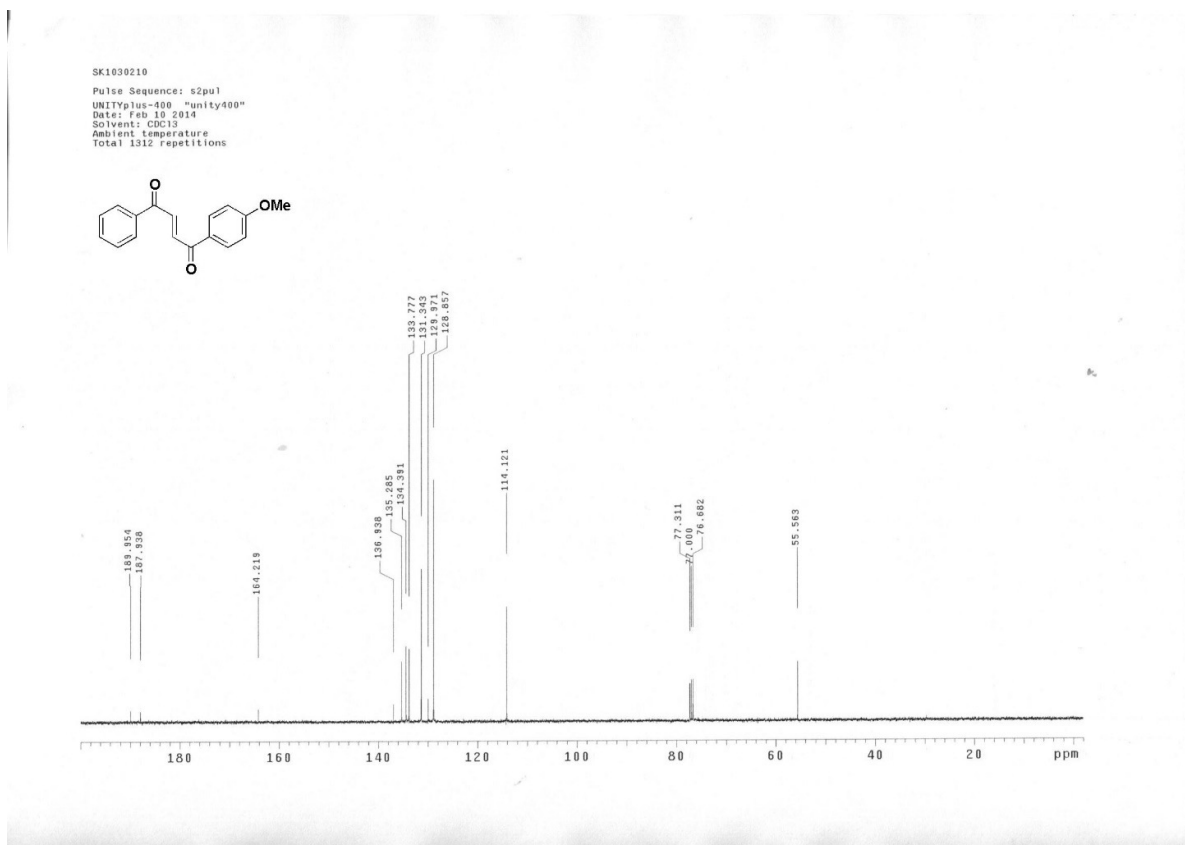
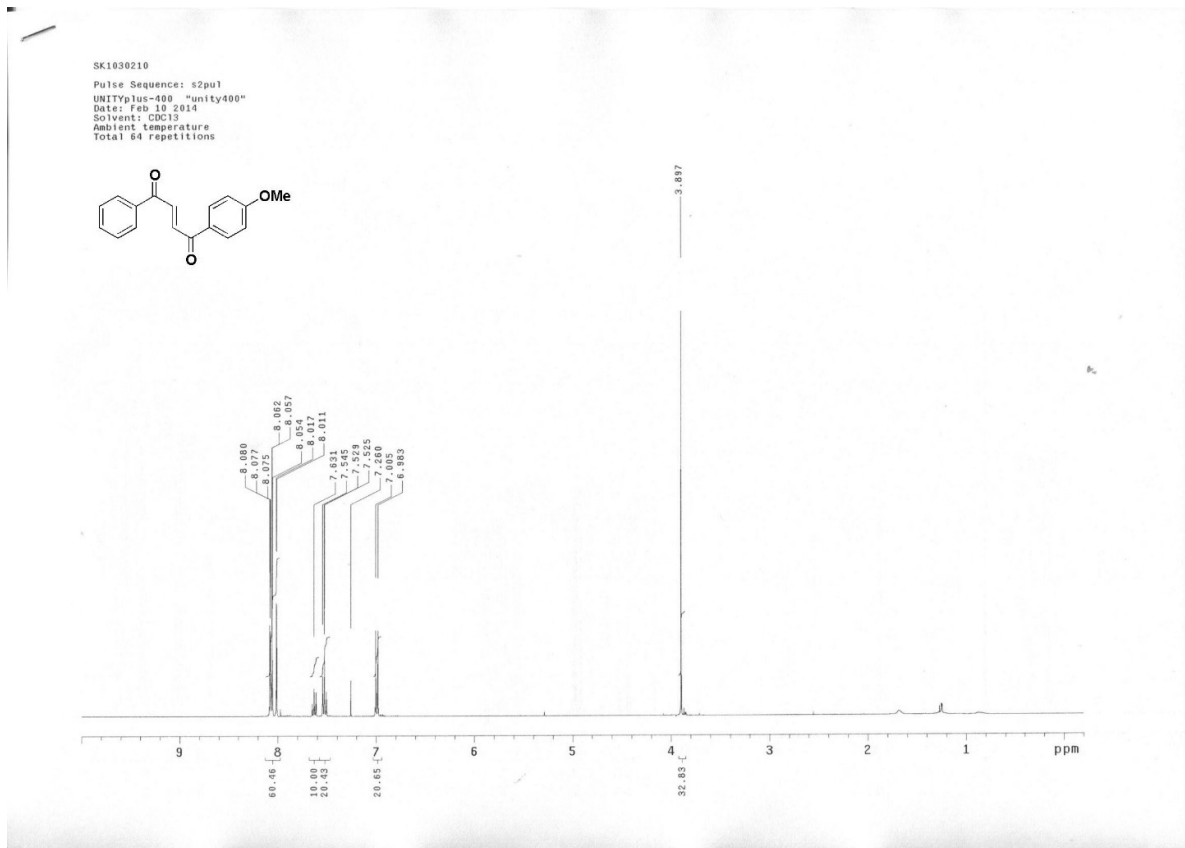
Compound 3a



Compound 3b

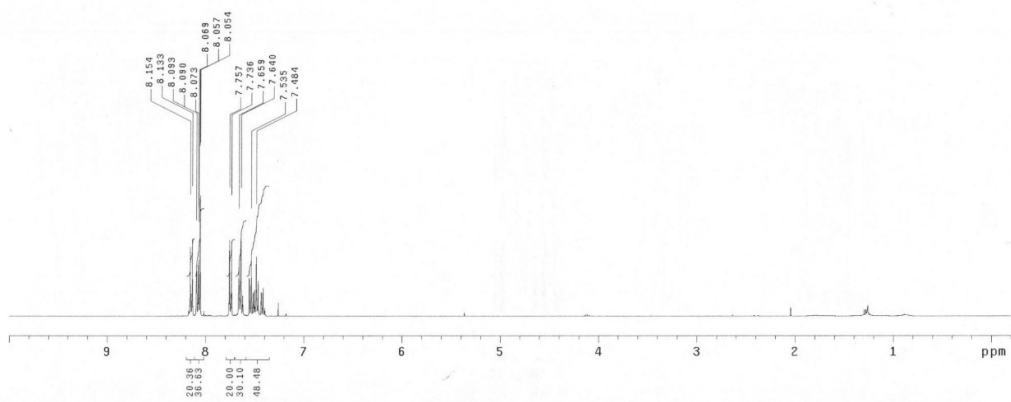
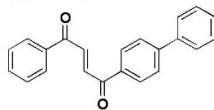
Compound 3c

Compound 3d

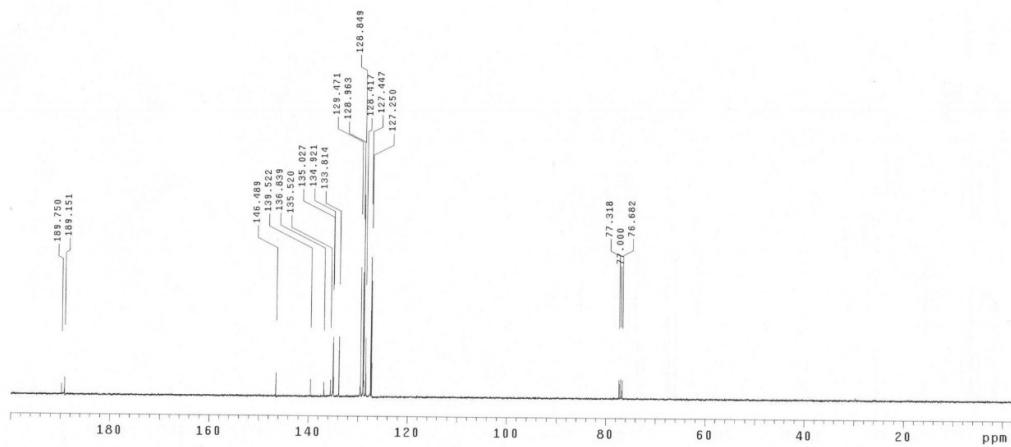
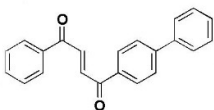
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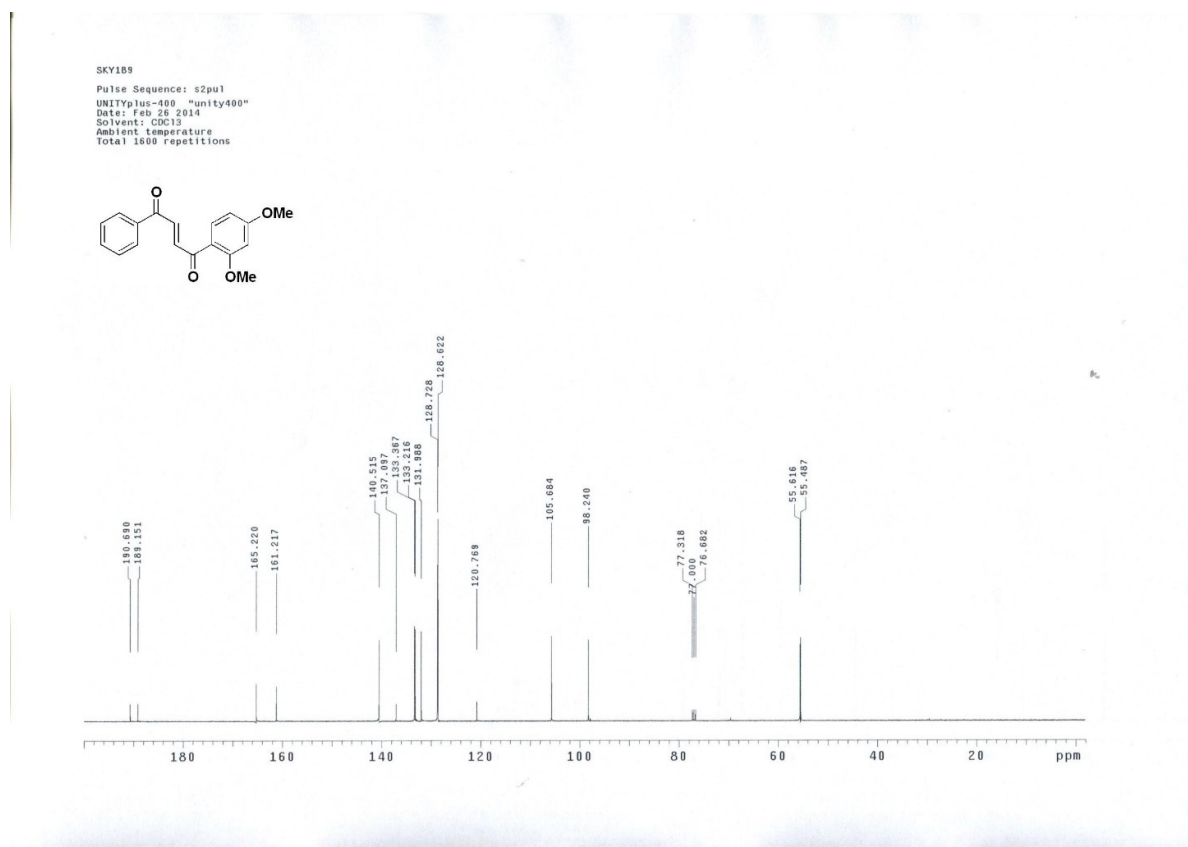
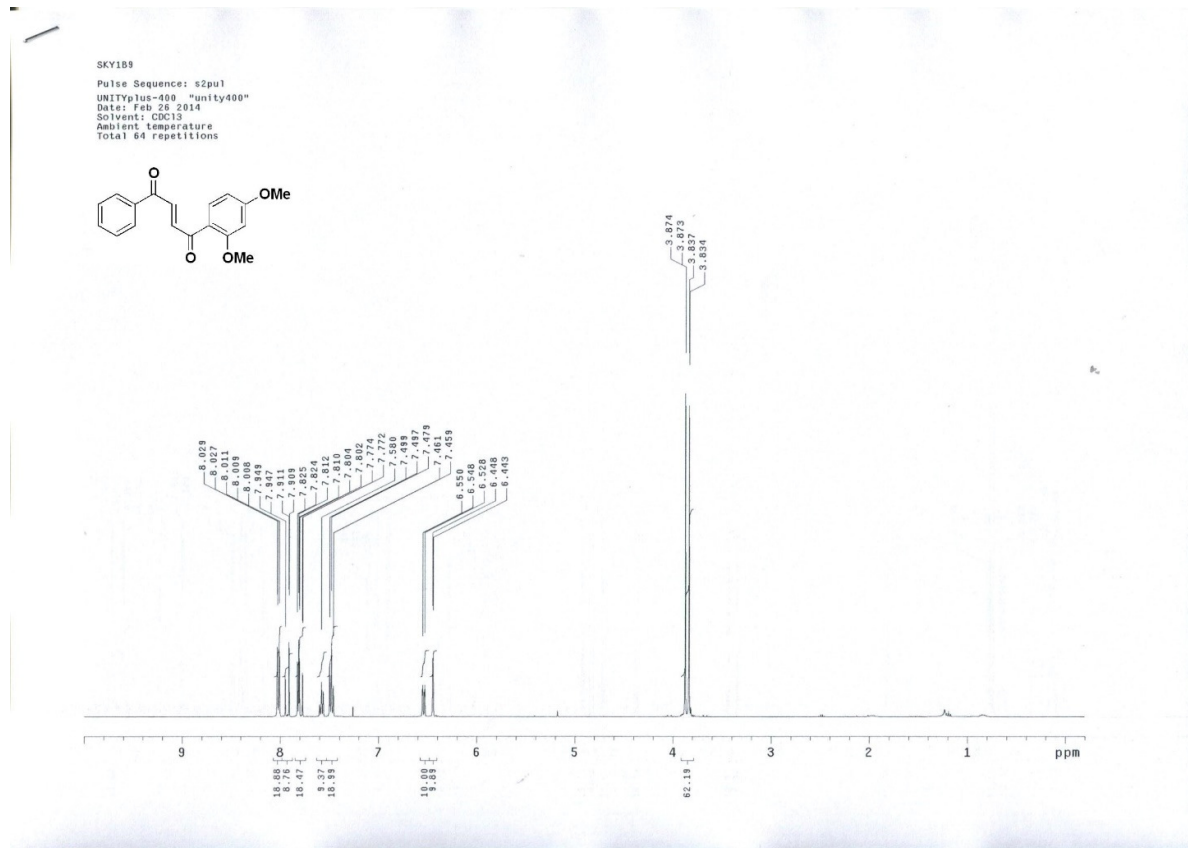
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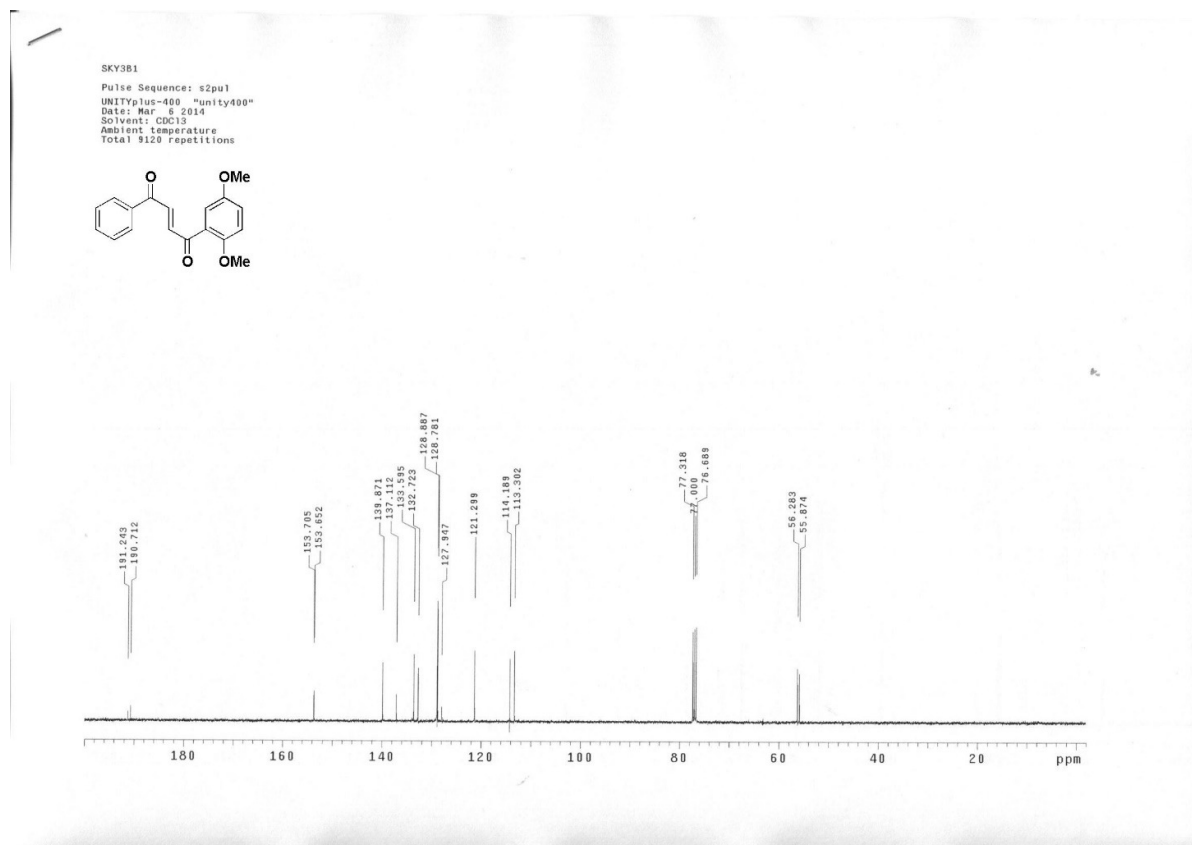
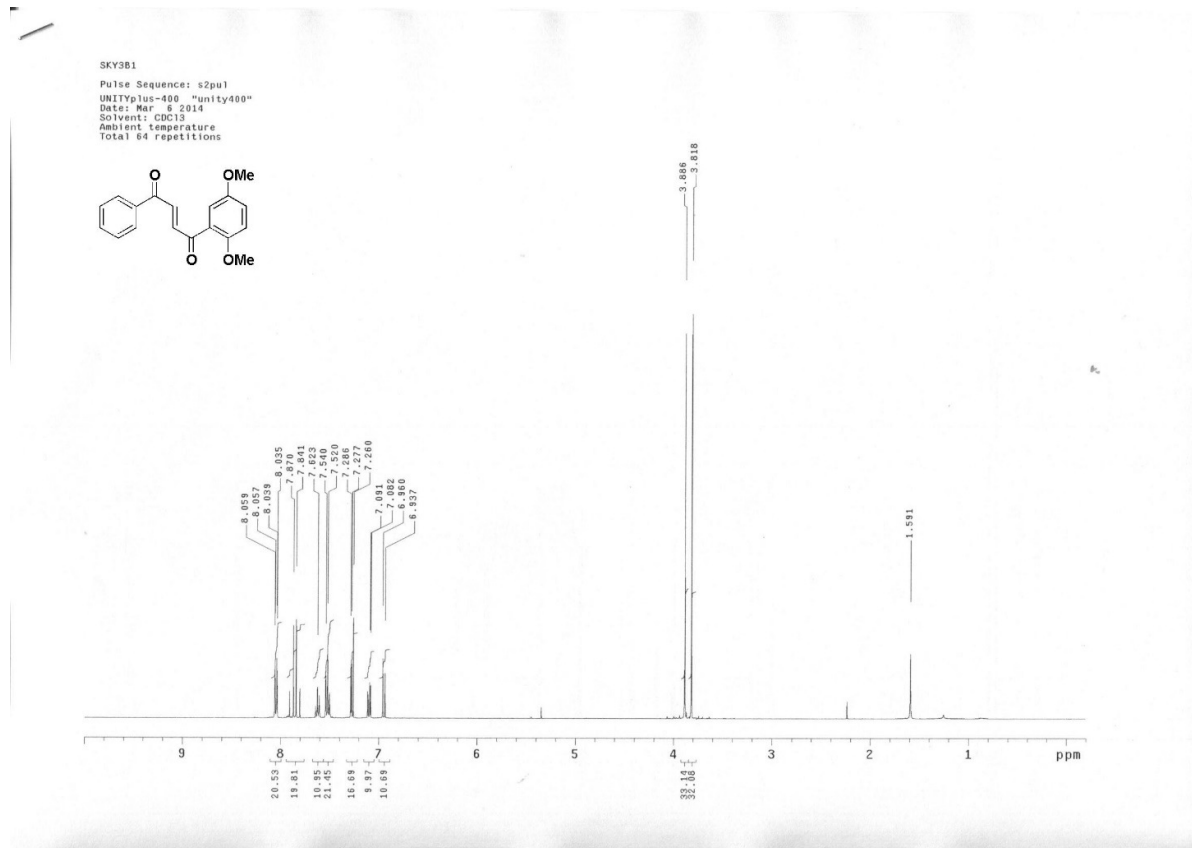
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UNITYplus-400 "unity400"
Date: Feb 14 2014
Solvent: CDCl3
Ambient temperature
Total 32 repetitions



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Date: Feb 14 2014
Solvent: CDCl3
Ambient temperature
Total 304 repetitions

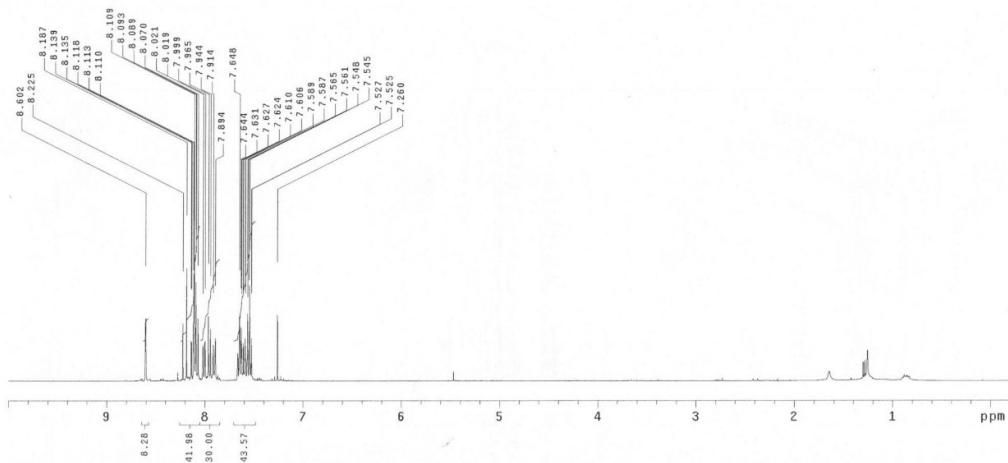
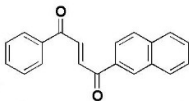


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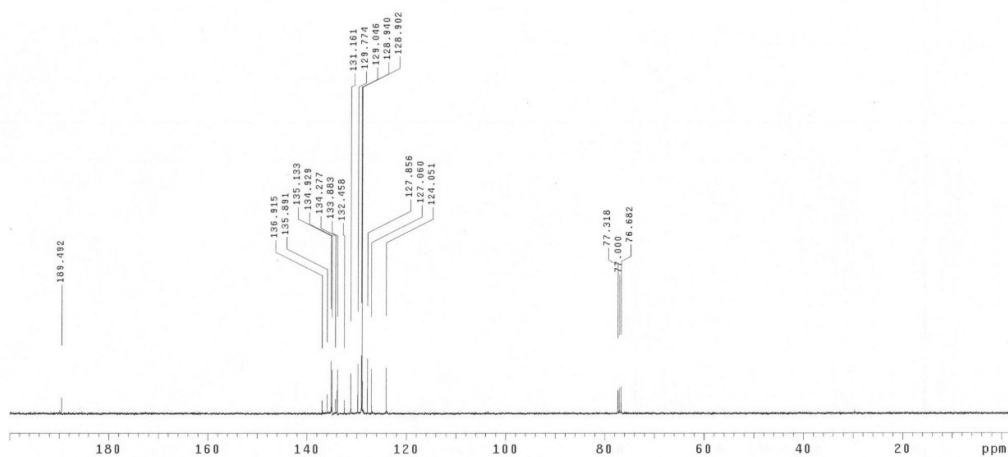
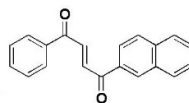
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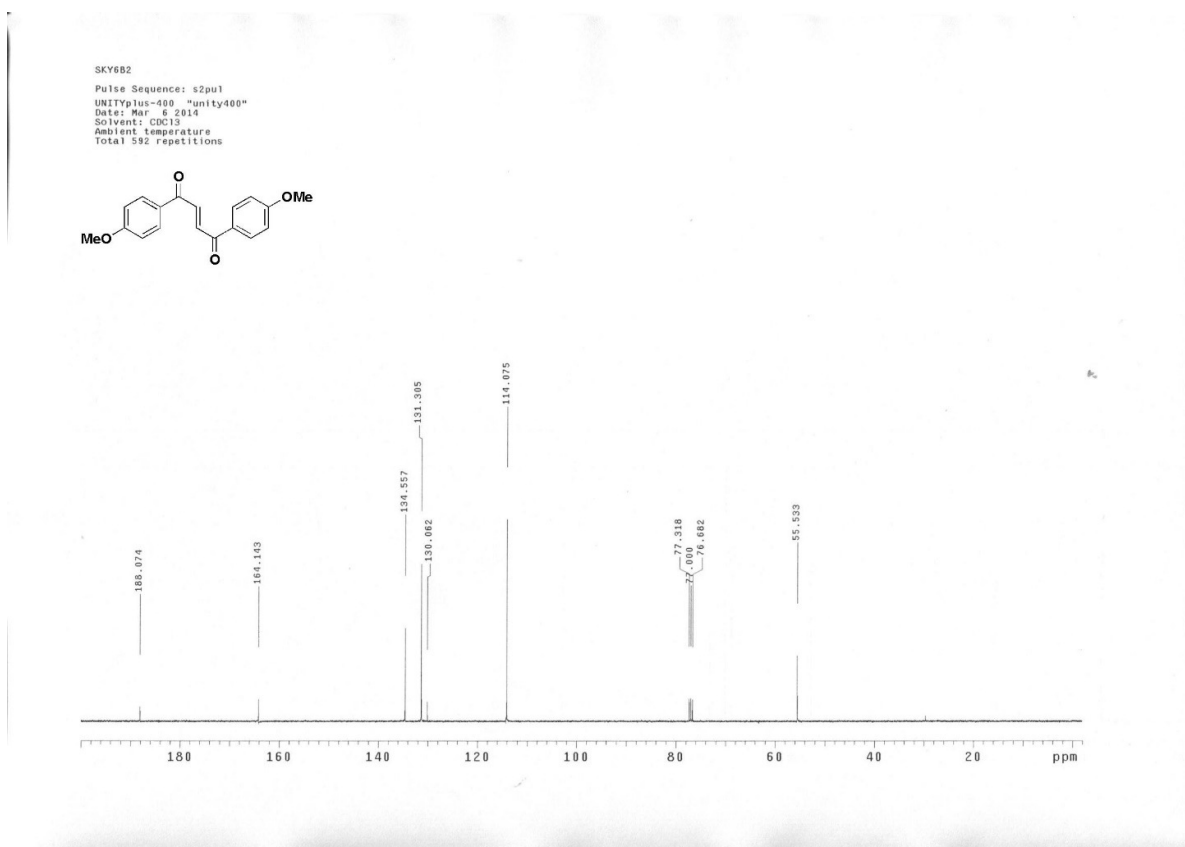
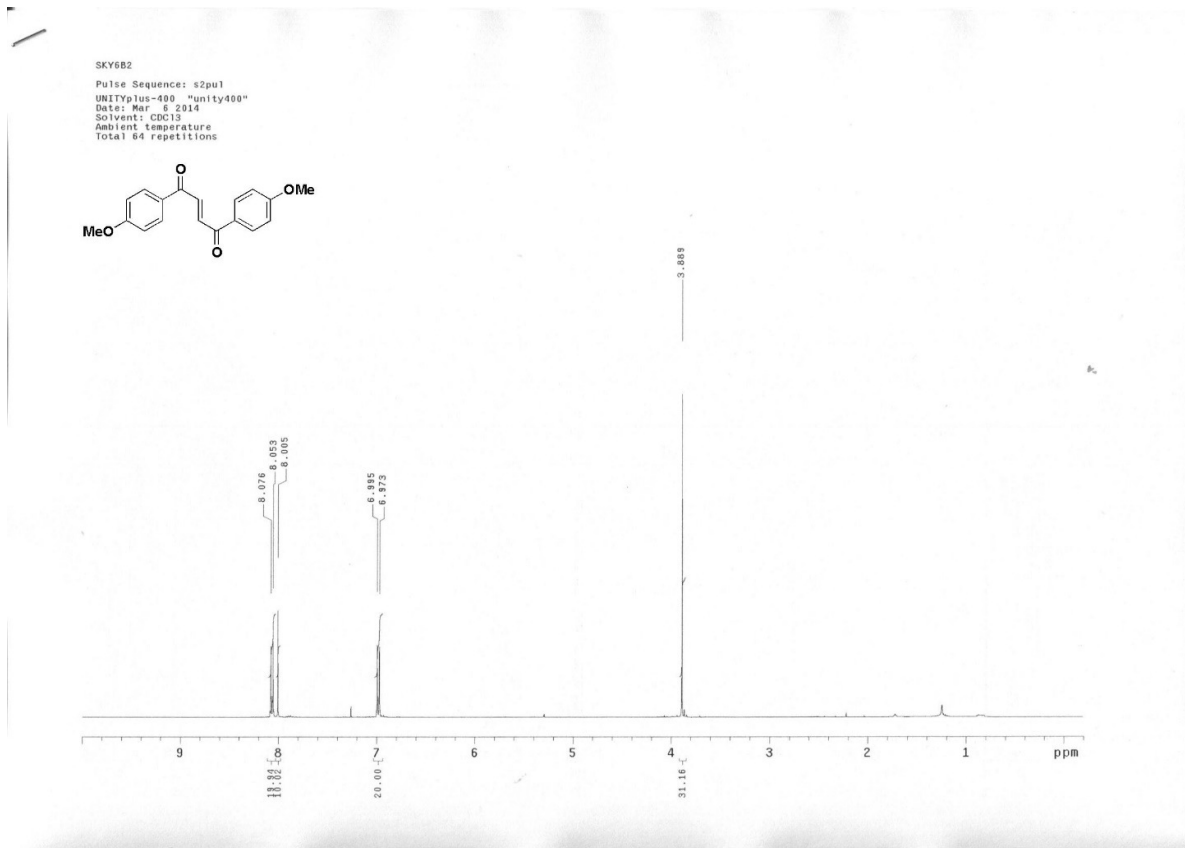
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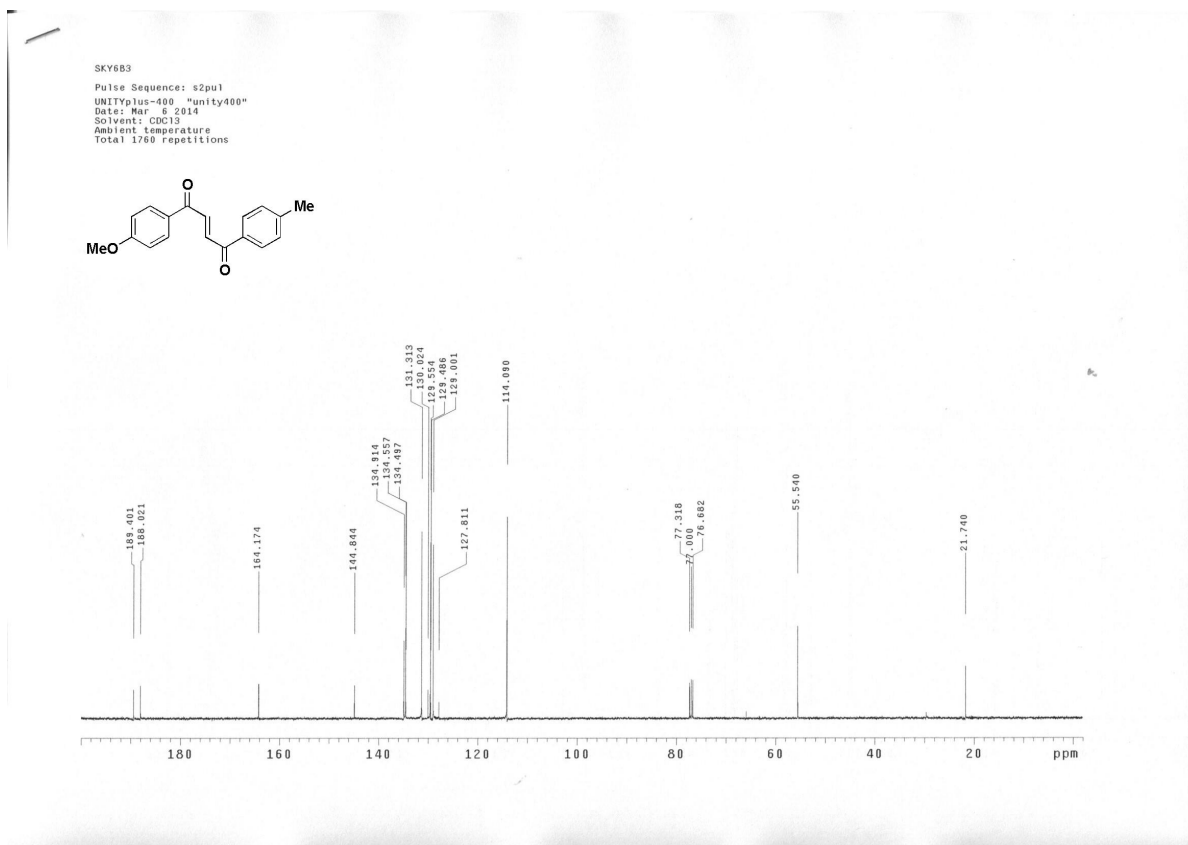
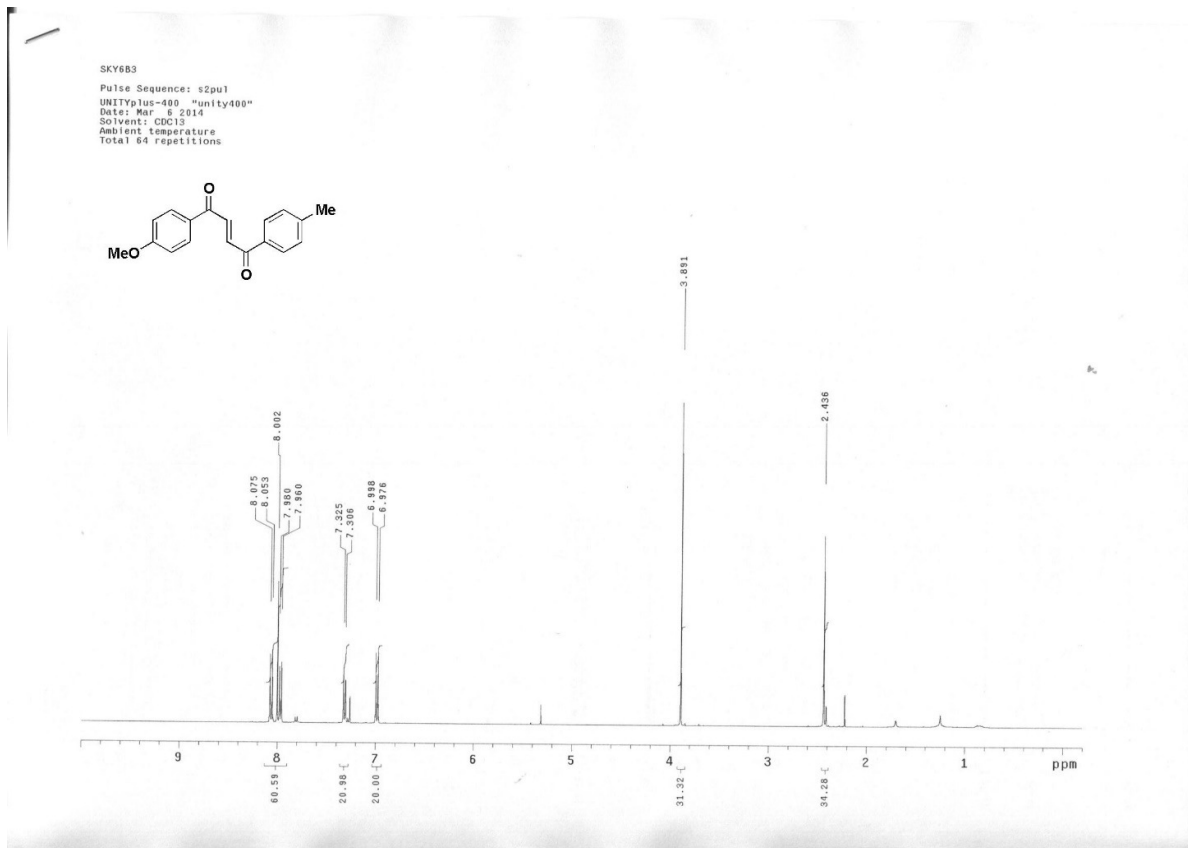
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Date: Mar 6 2014
Solvent: CDCl3
Ambient Temperature
Total 64 repetitions

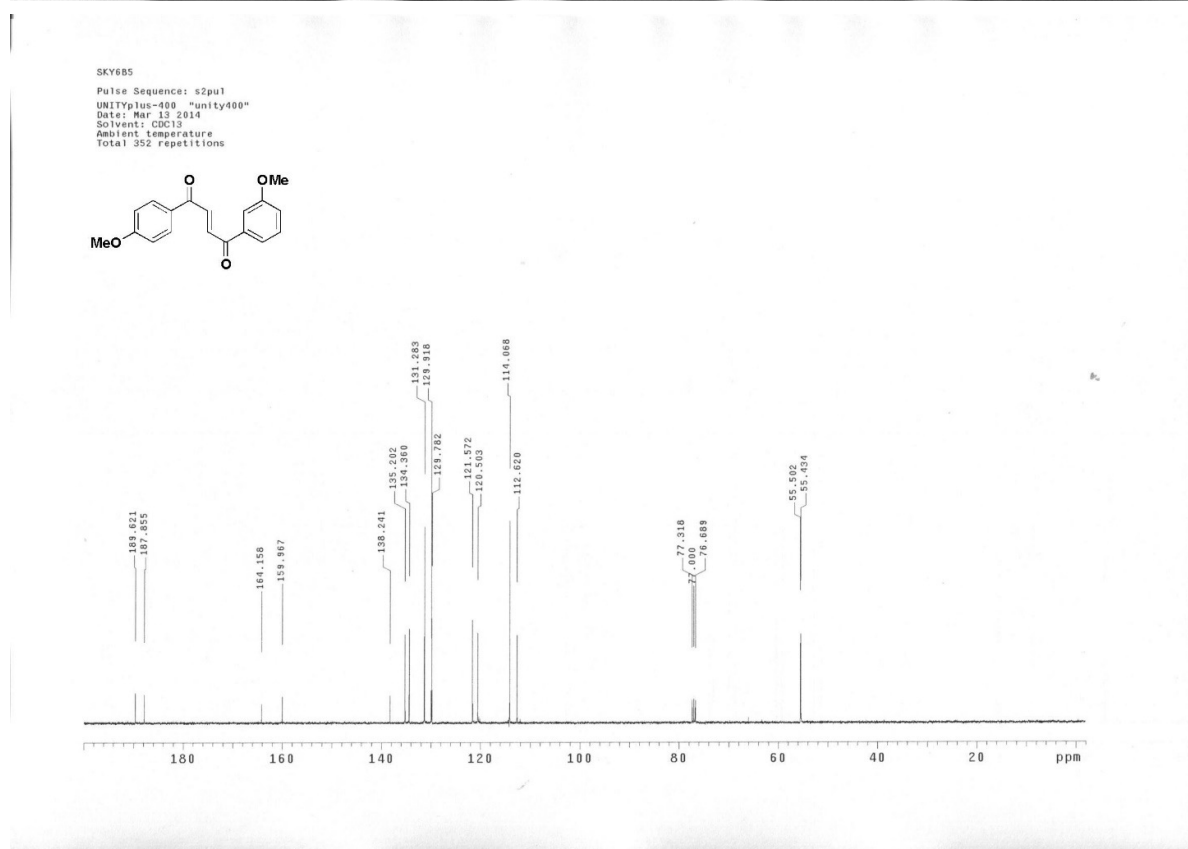
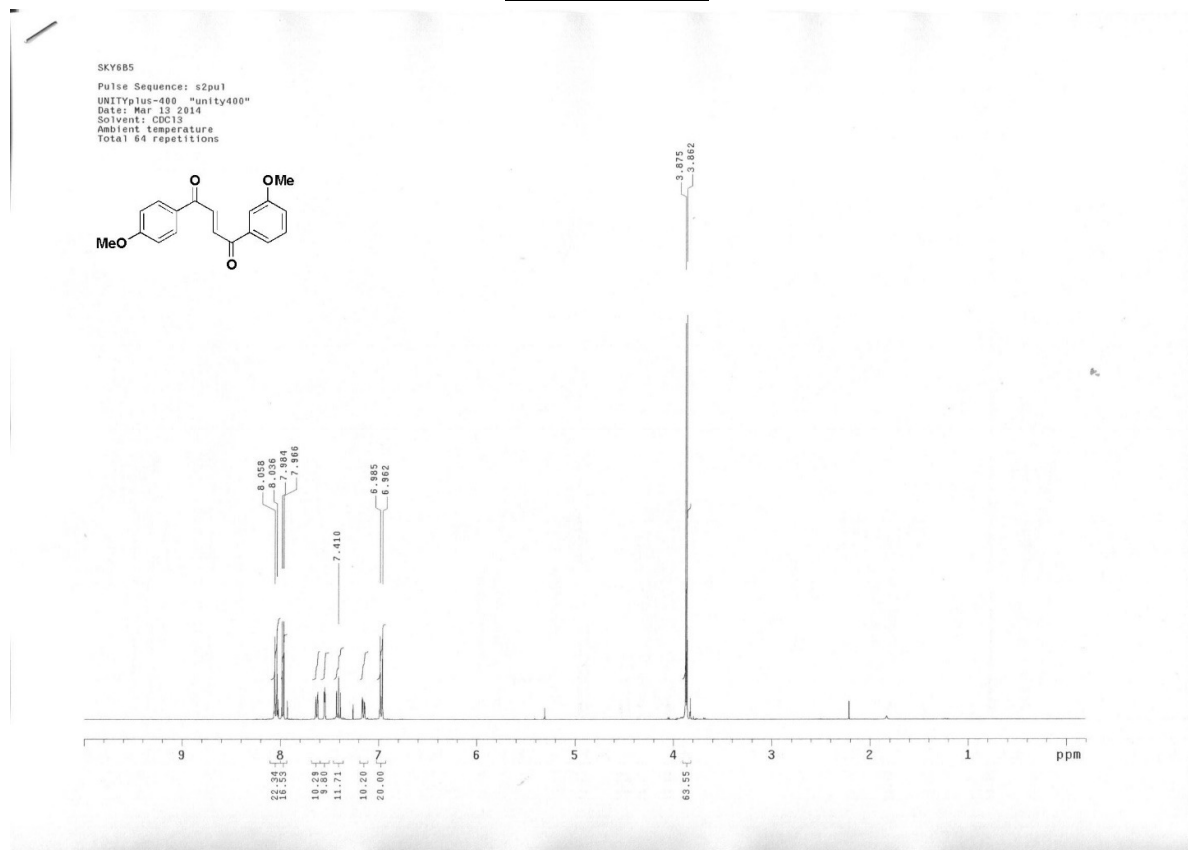


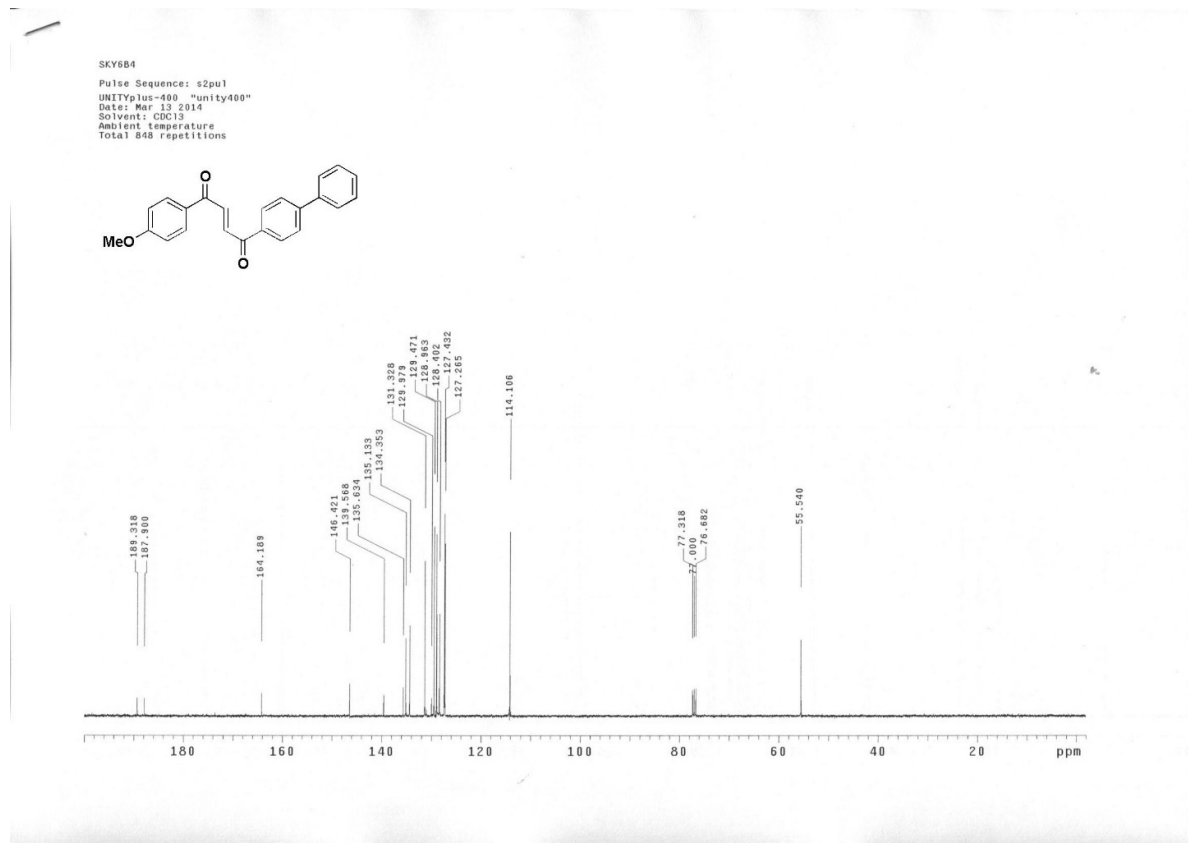
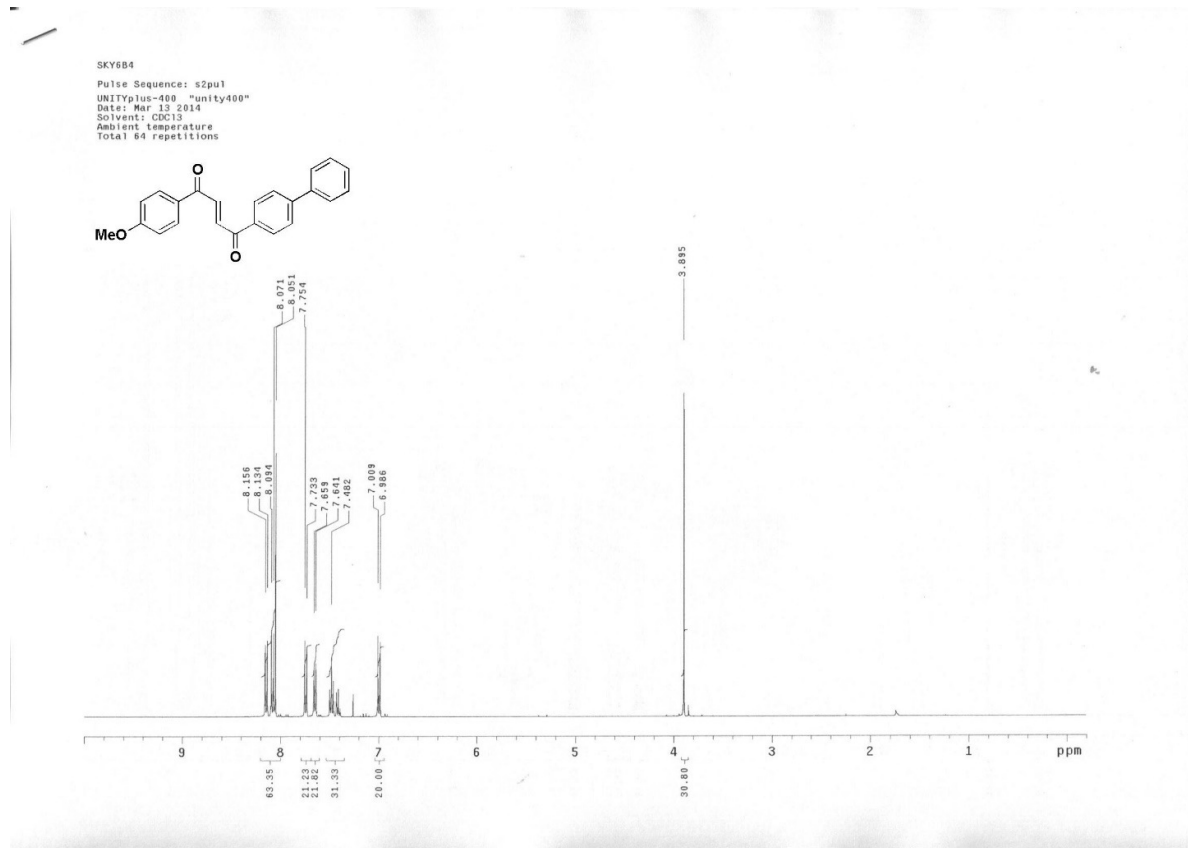
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Solvent: CDCl3
Ambient Temperature
Total 1408 repetitions

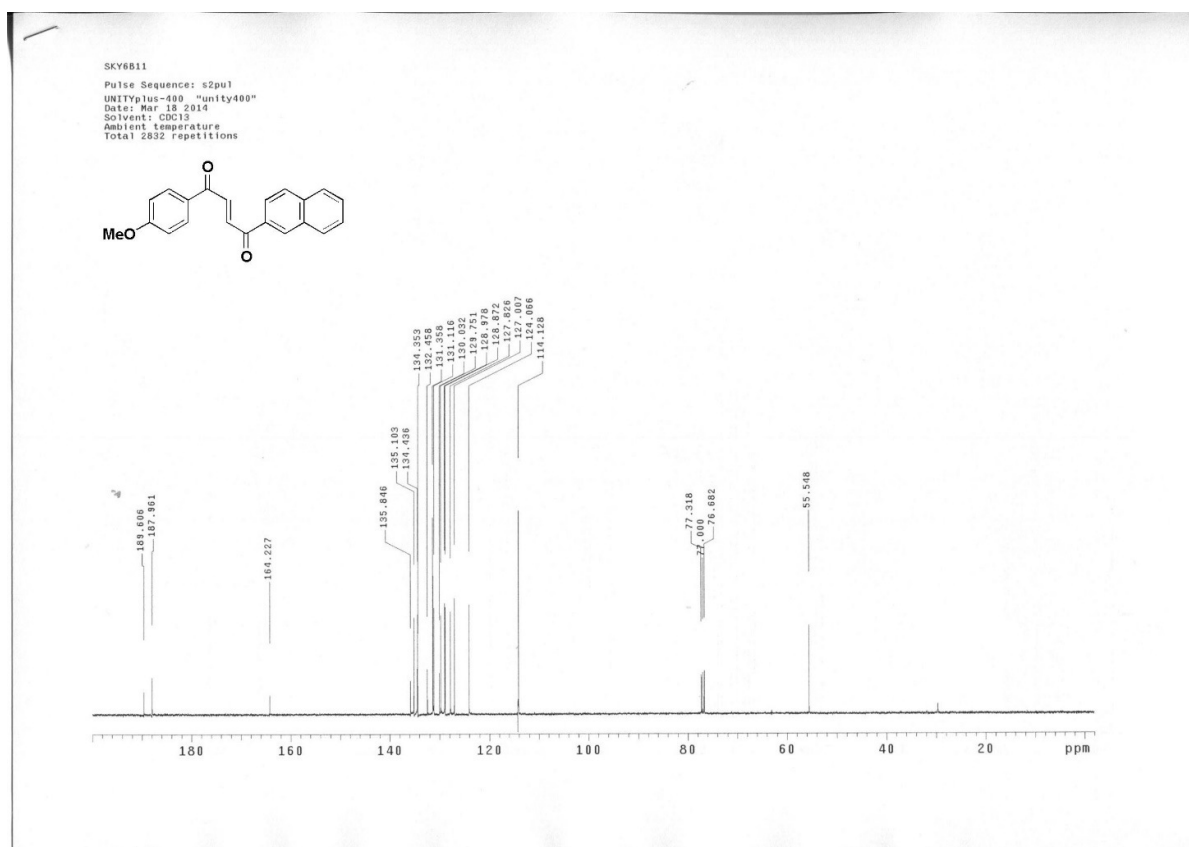
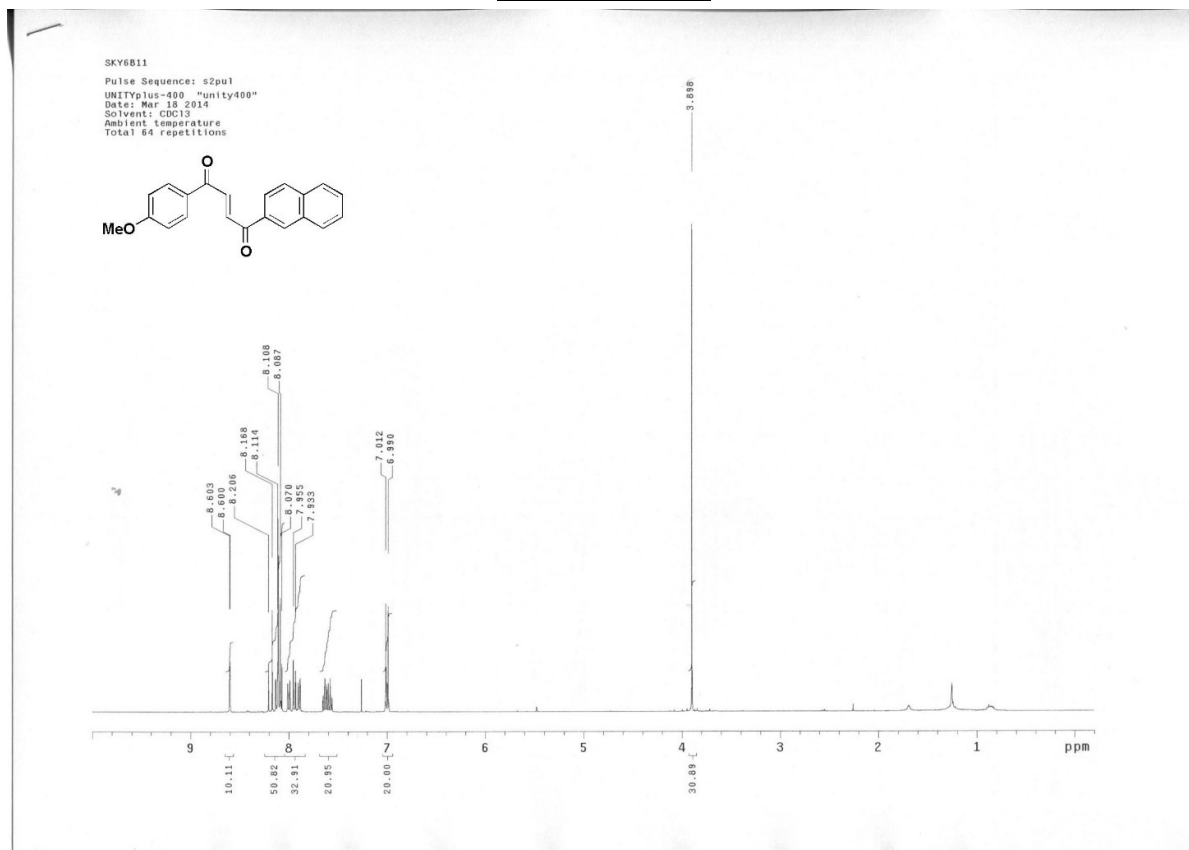


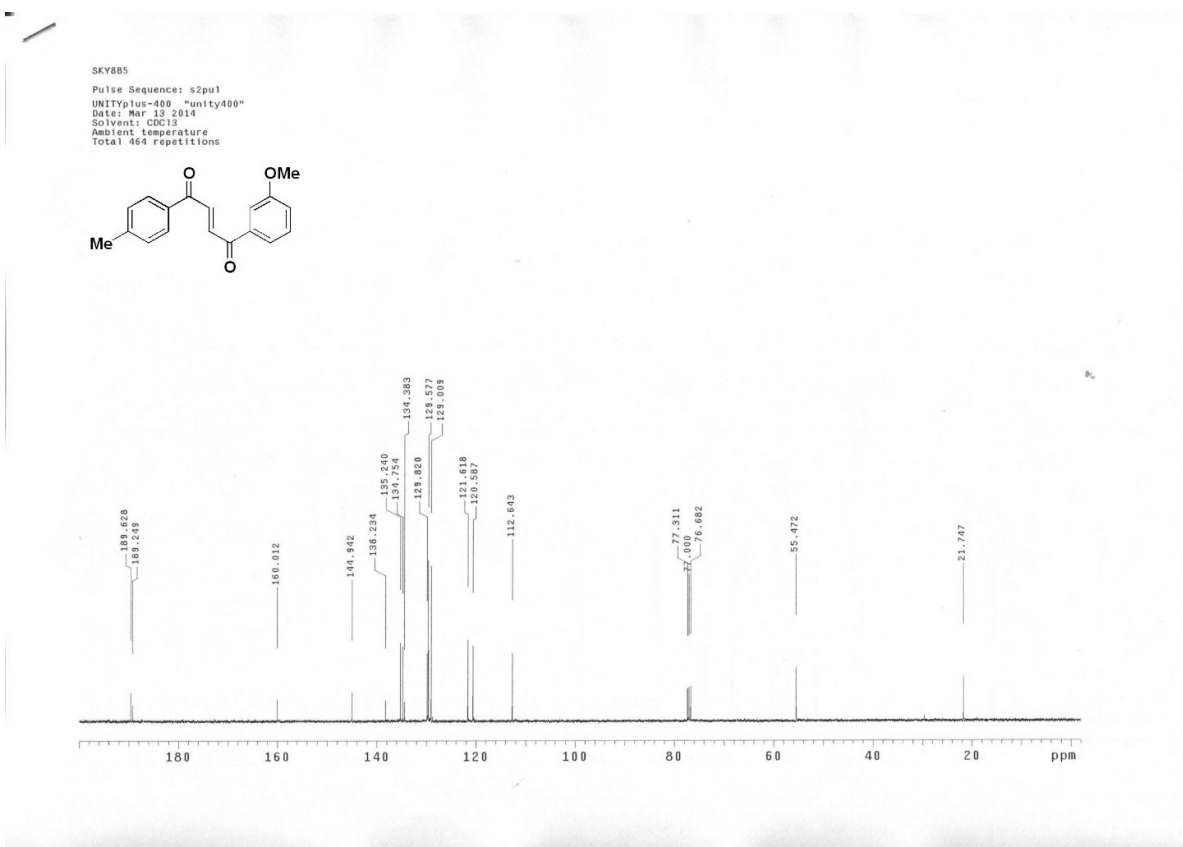
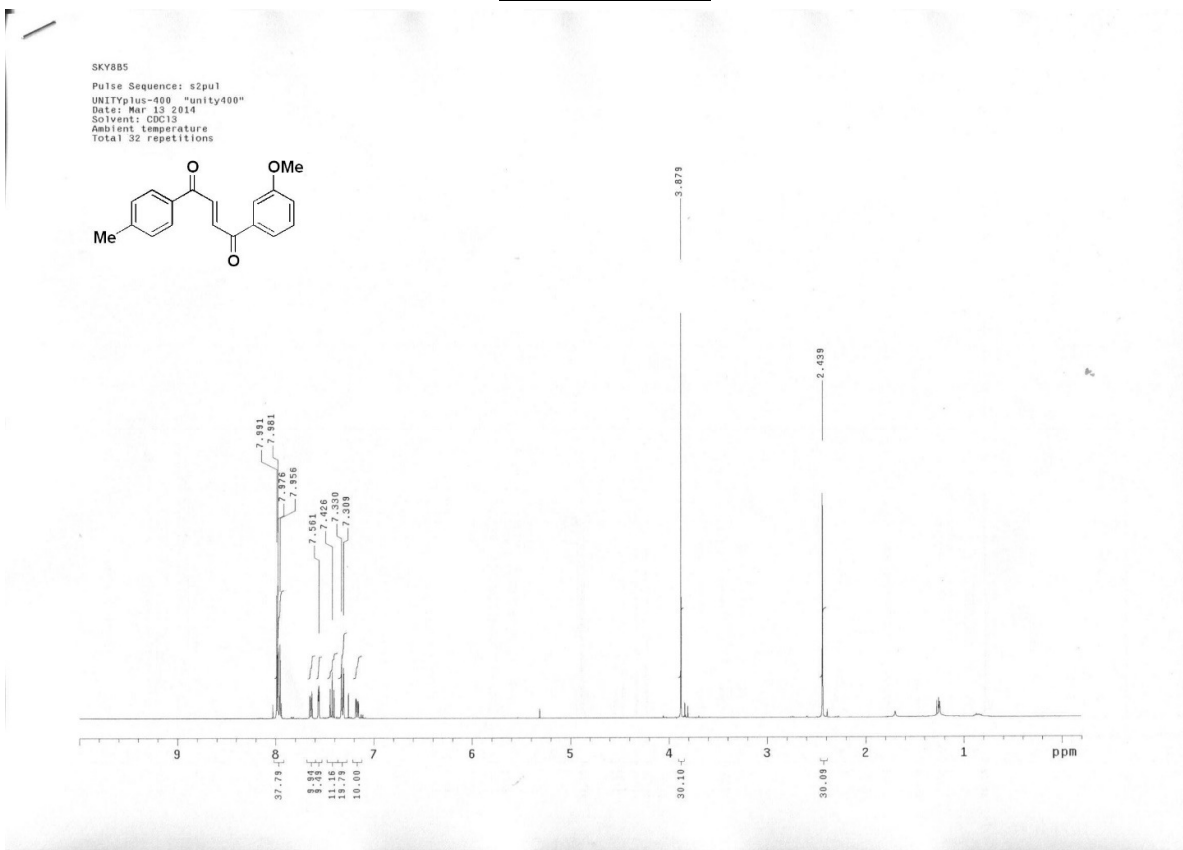
Compound 3j

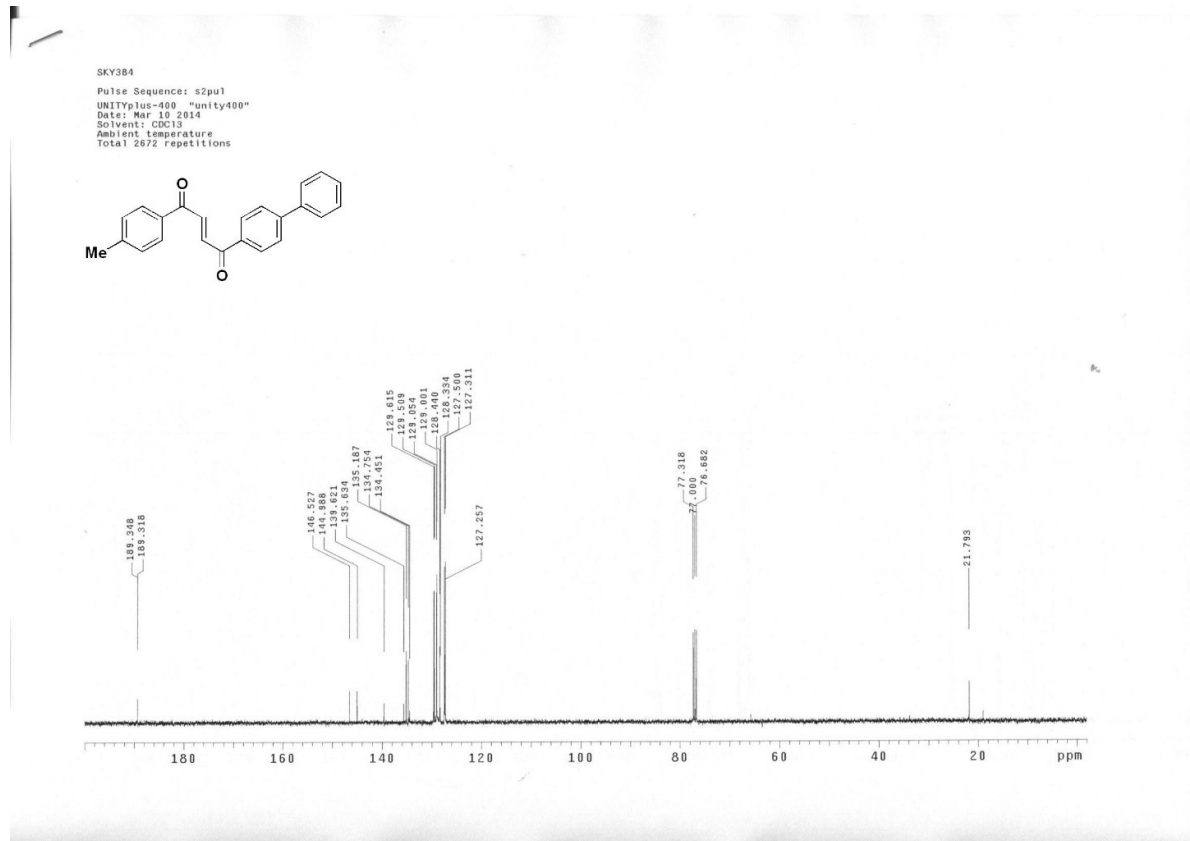
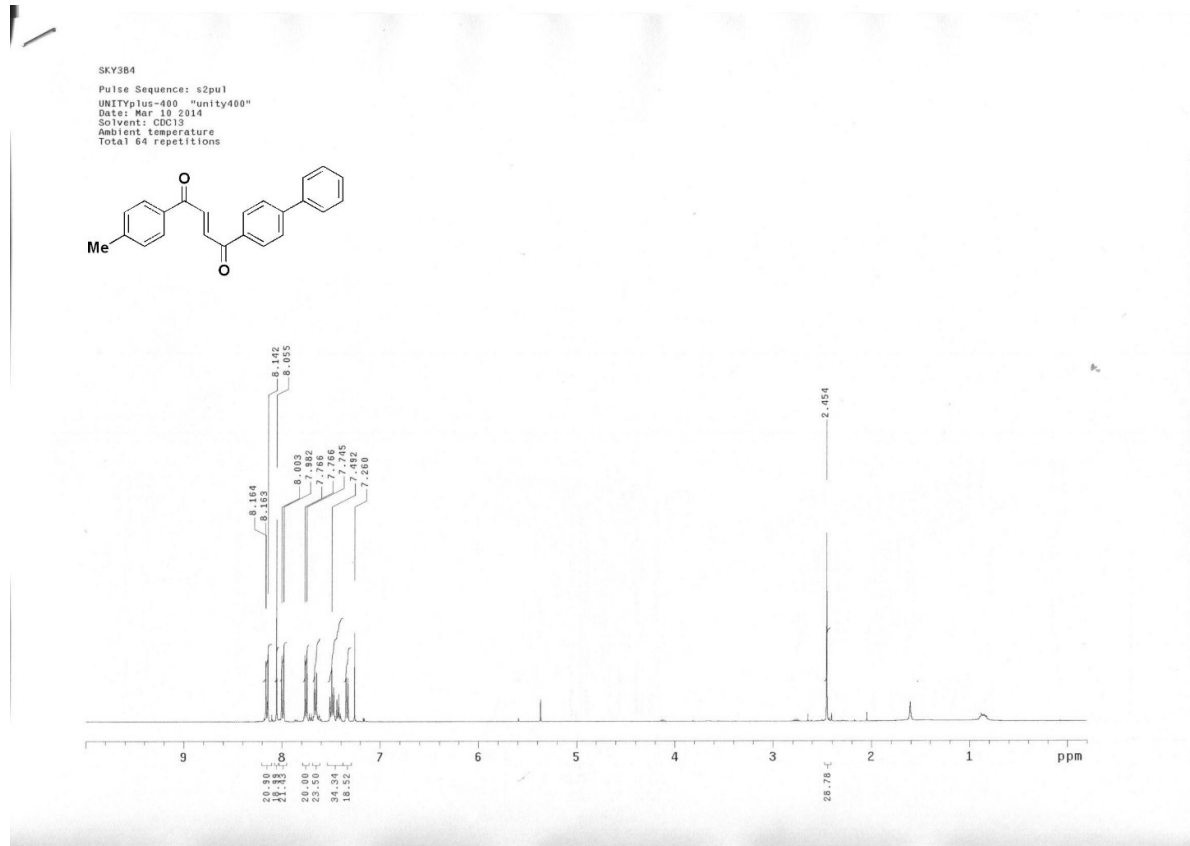
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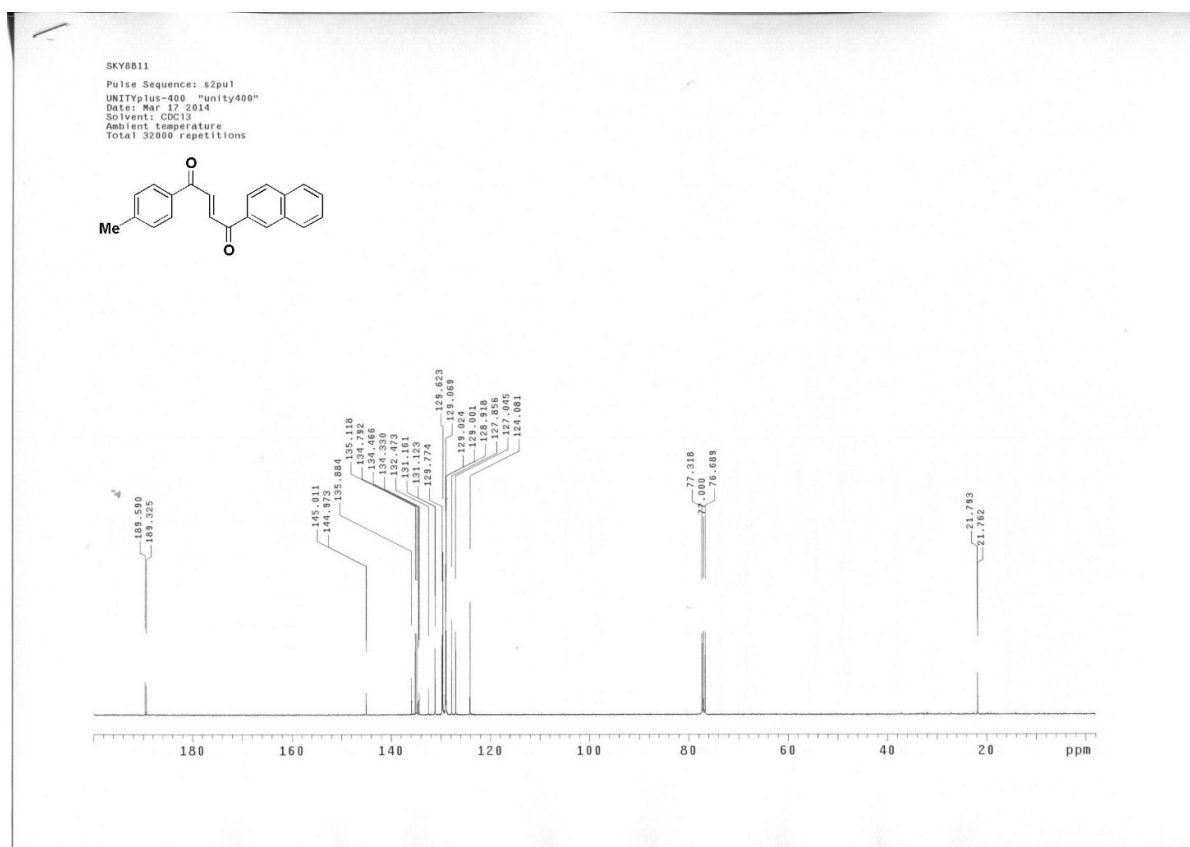
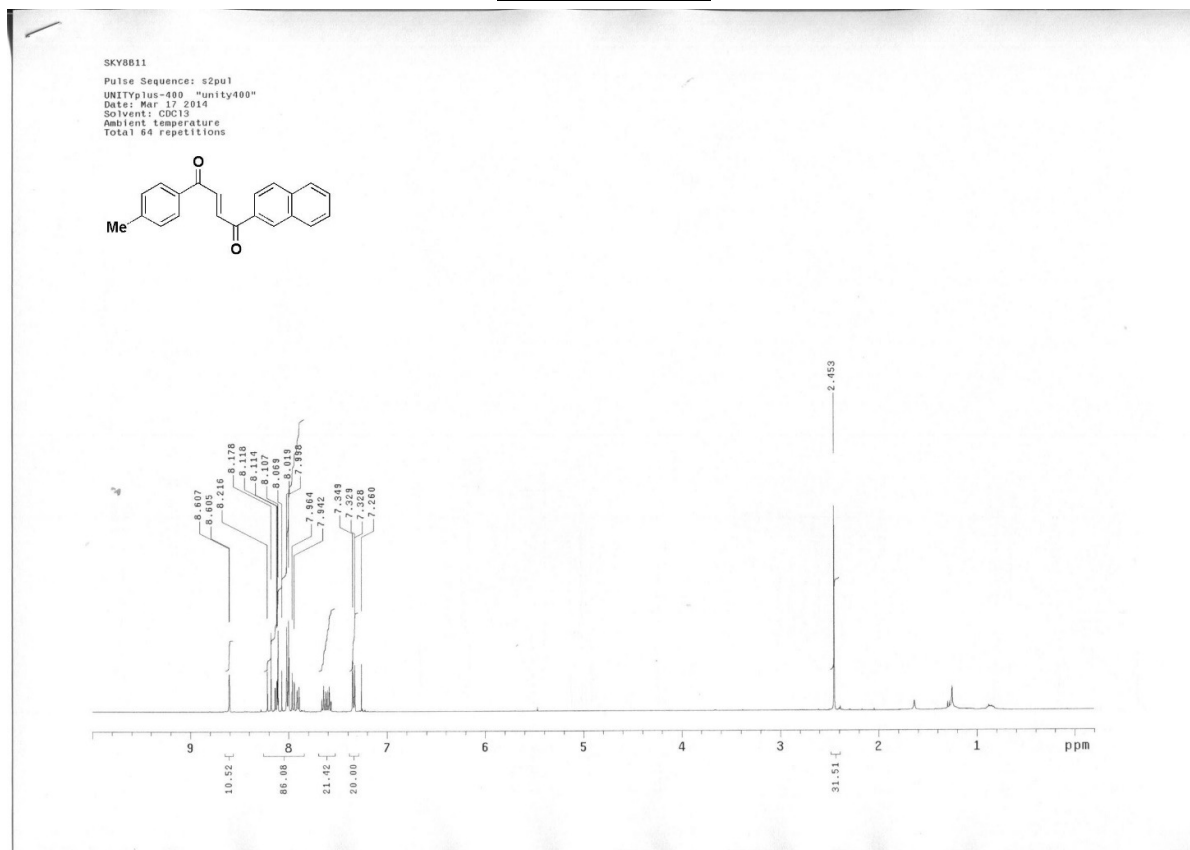
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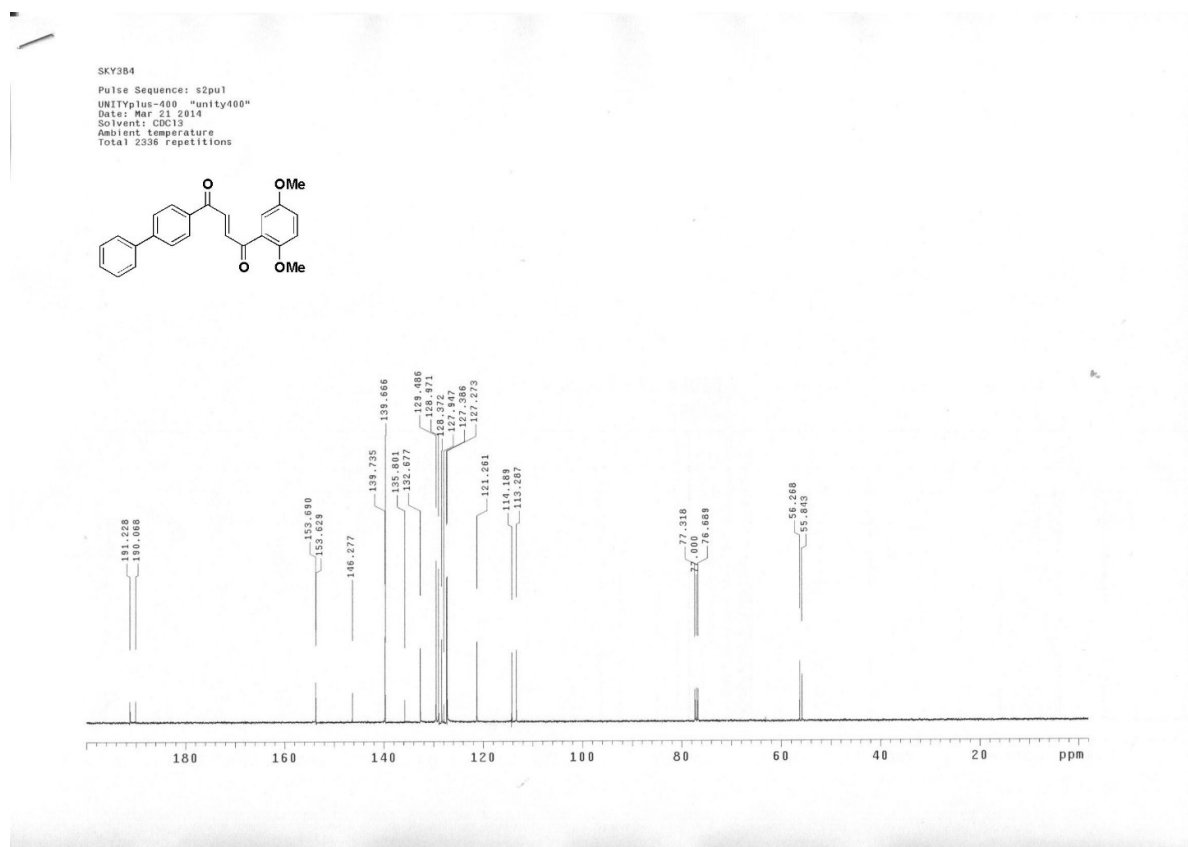
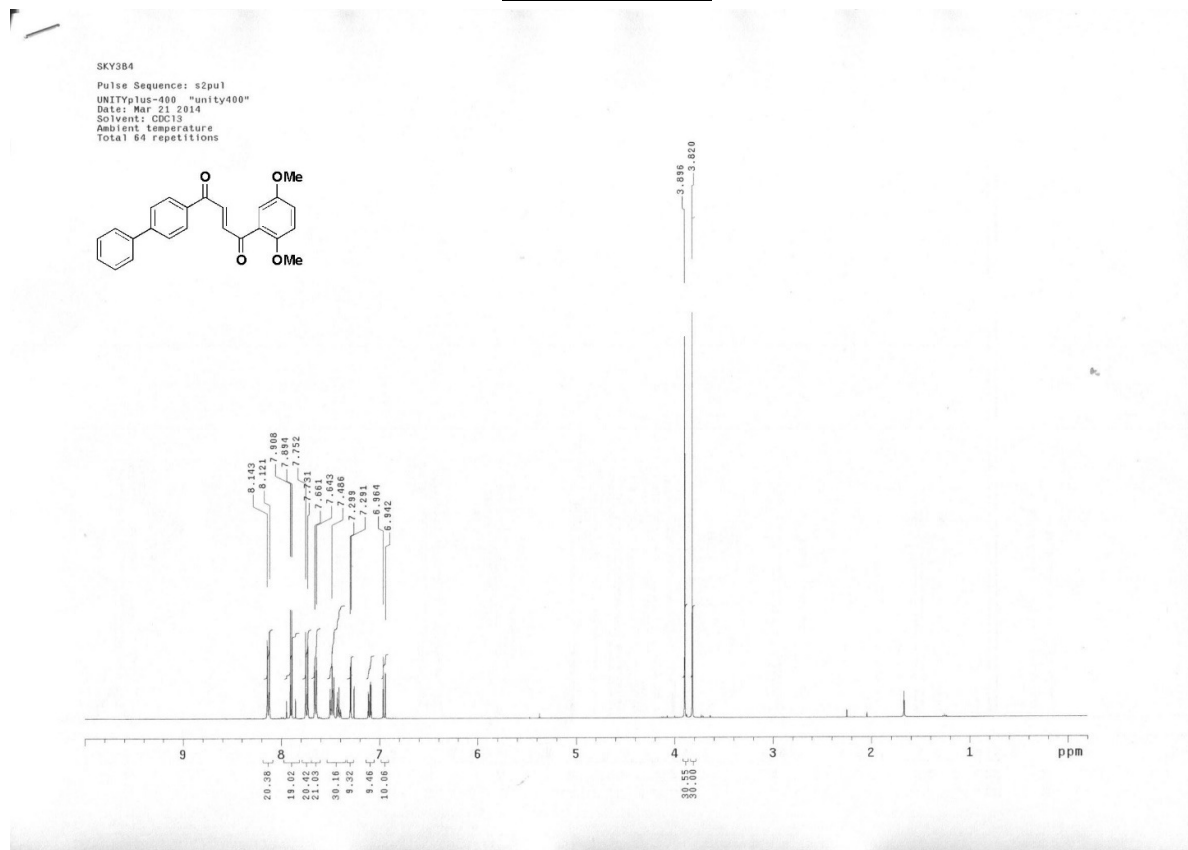
Compound 3m

Compound 3n

Compound 3o

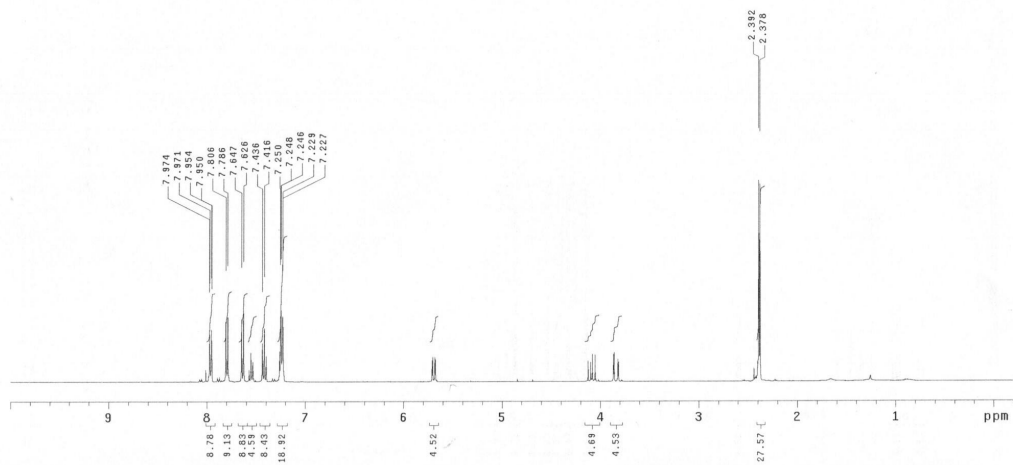
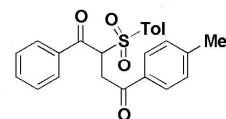
Compound 3p

Compound 3q

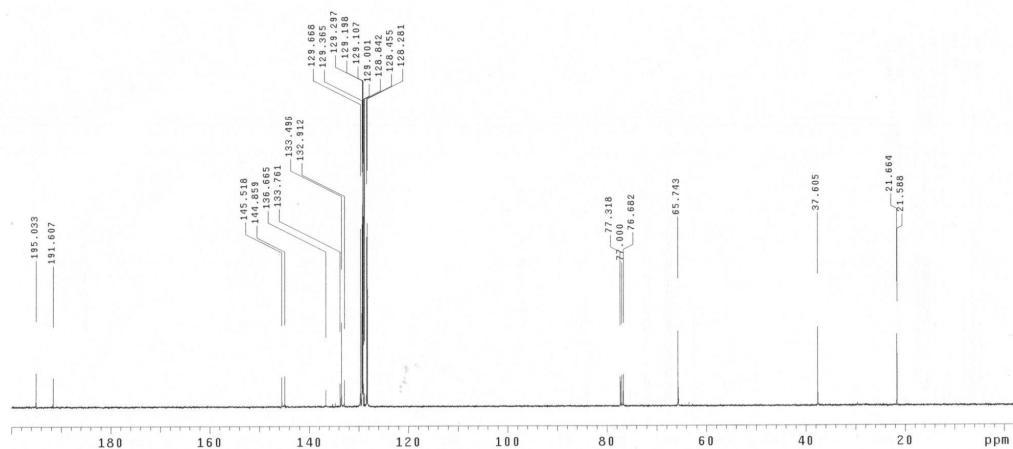
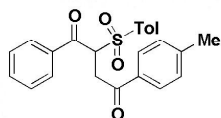
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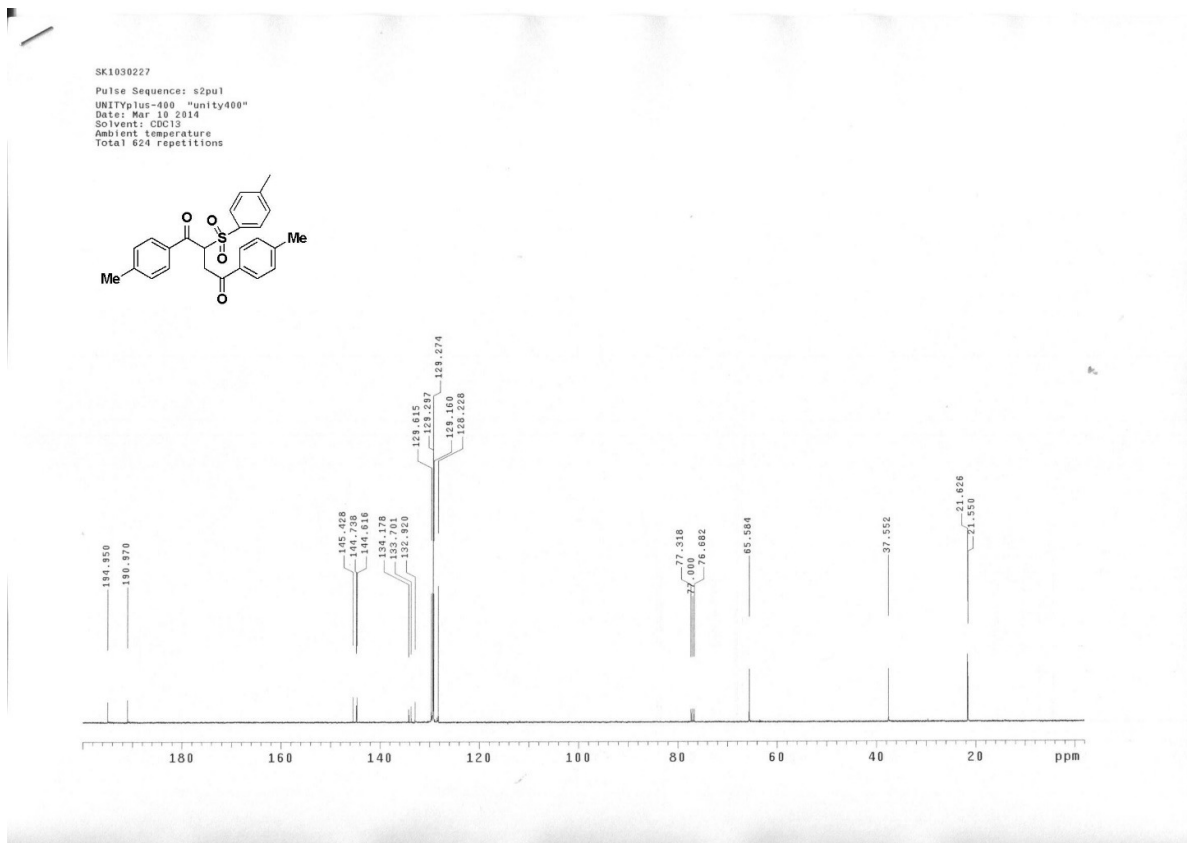
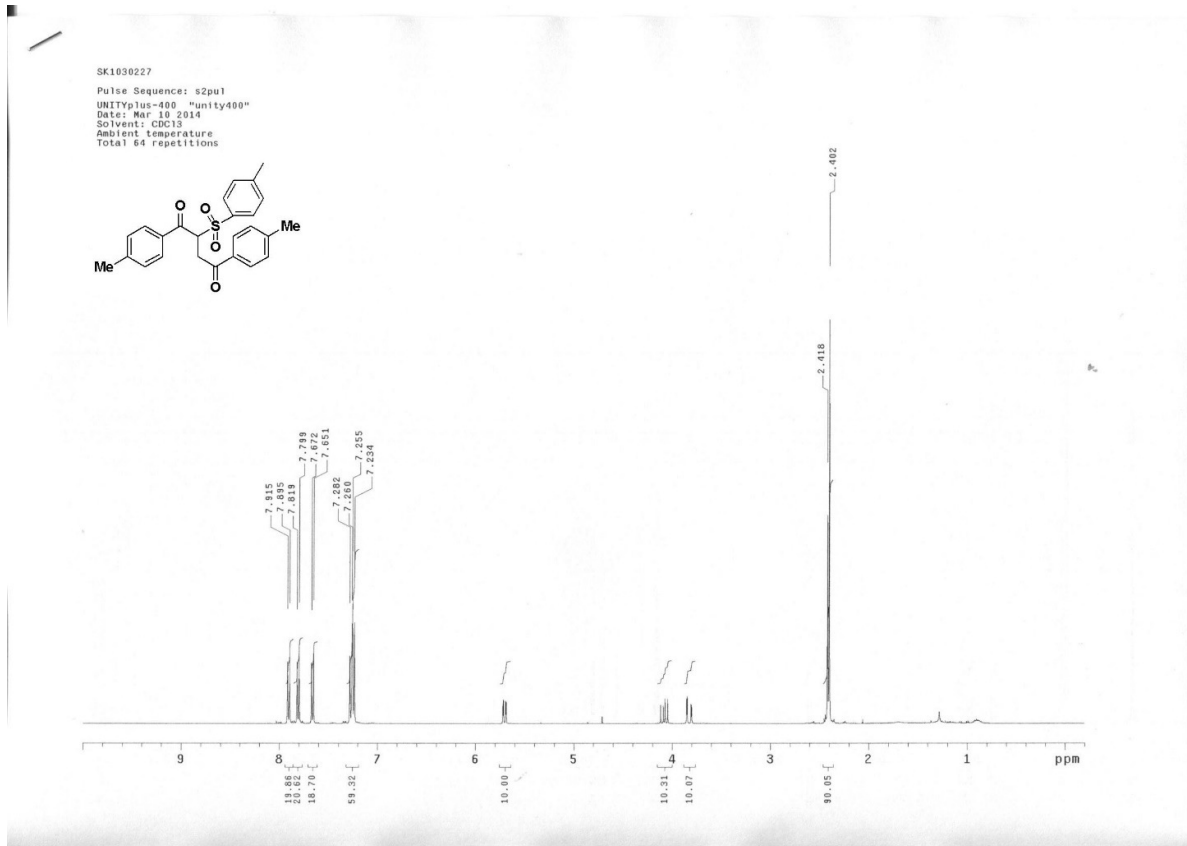
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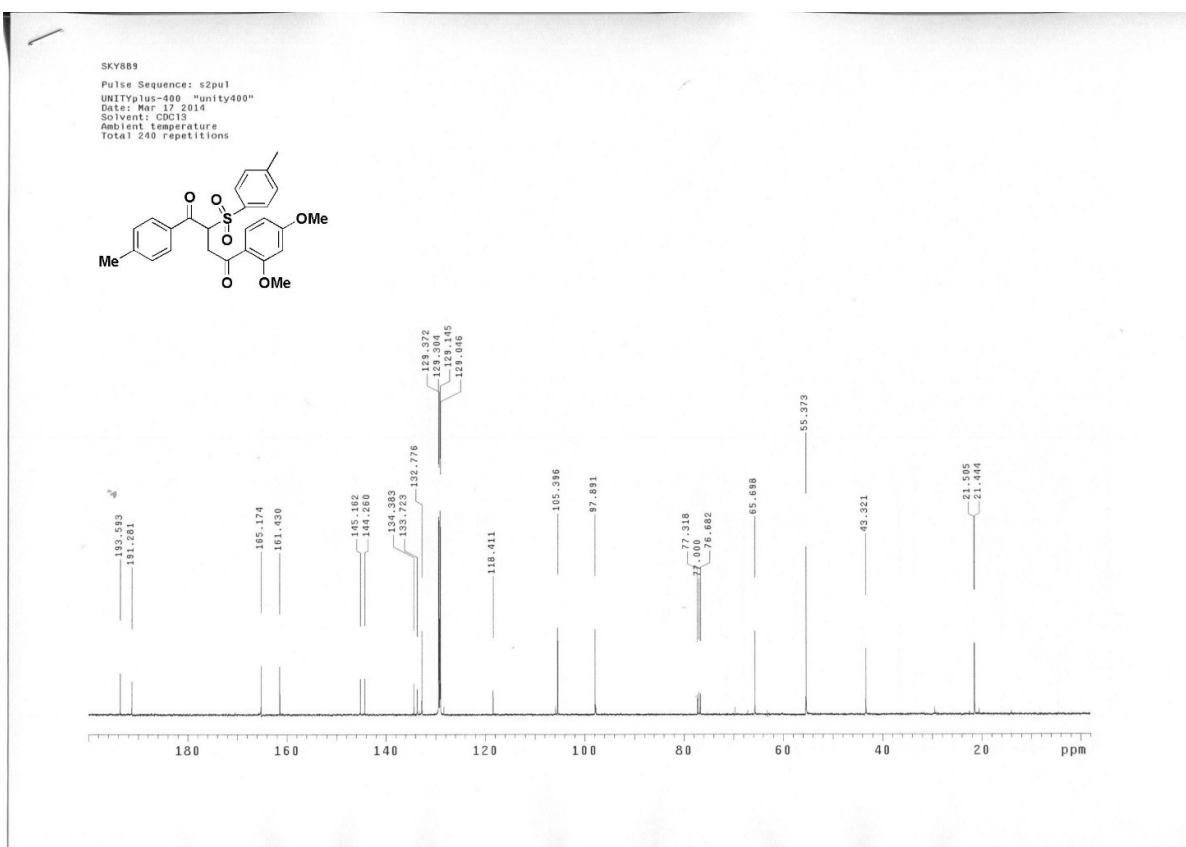
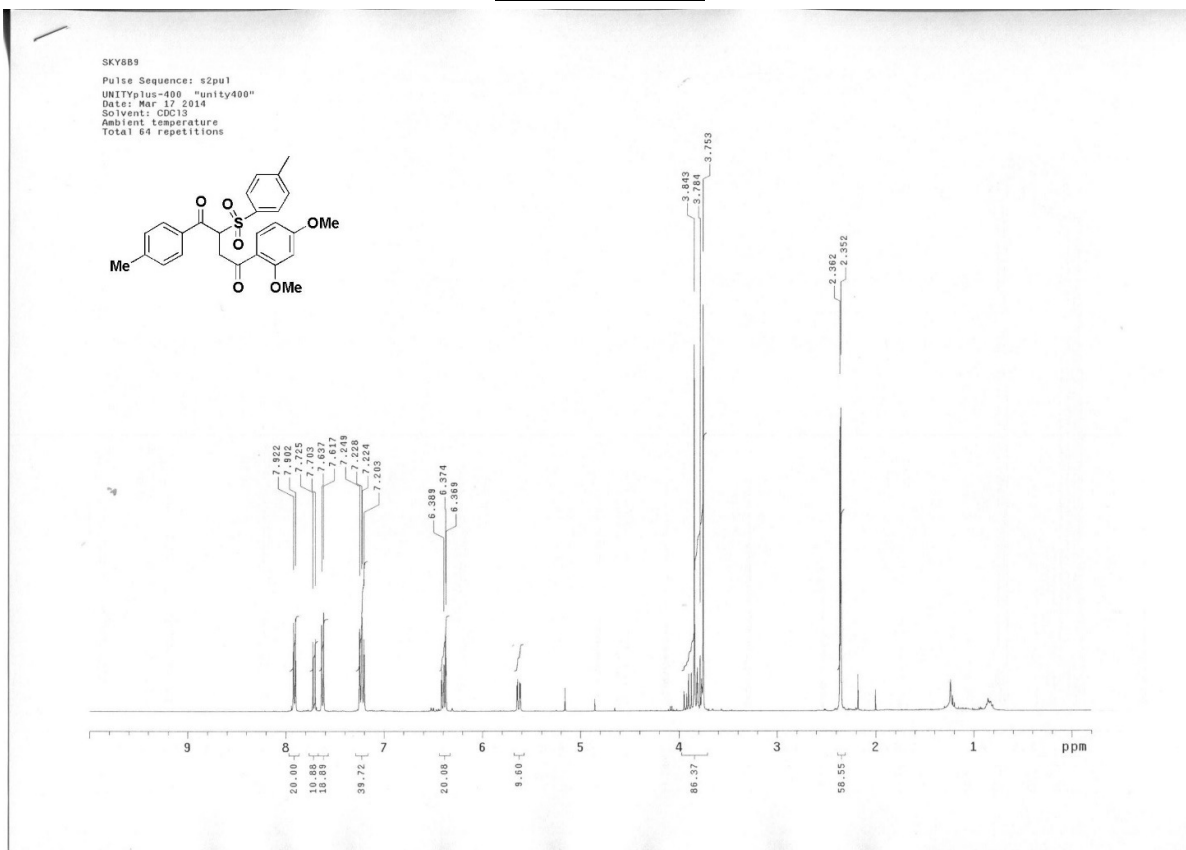
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UNITYplus-400 "unity400"
Date: Feb 14 2014
Solvent: CDCl3
Ambient temperature
Total 64 repetitions

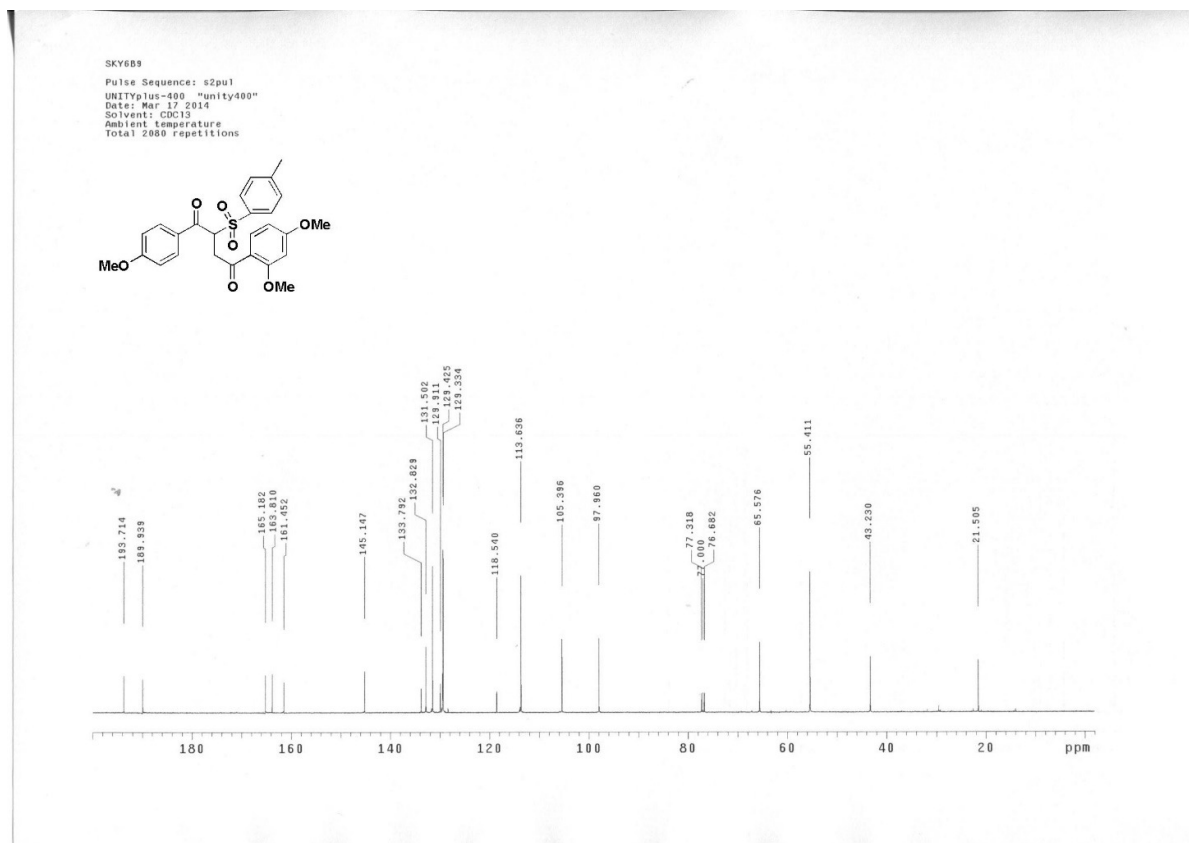
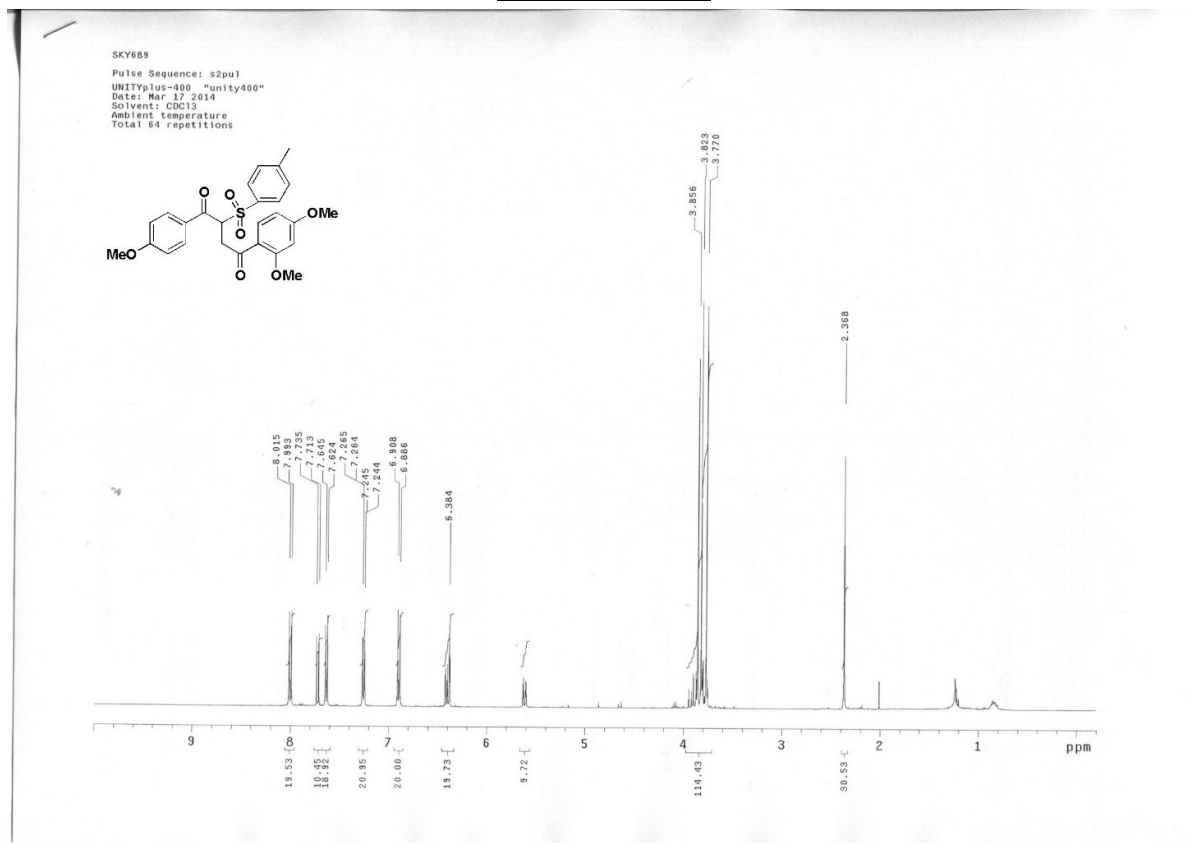


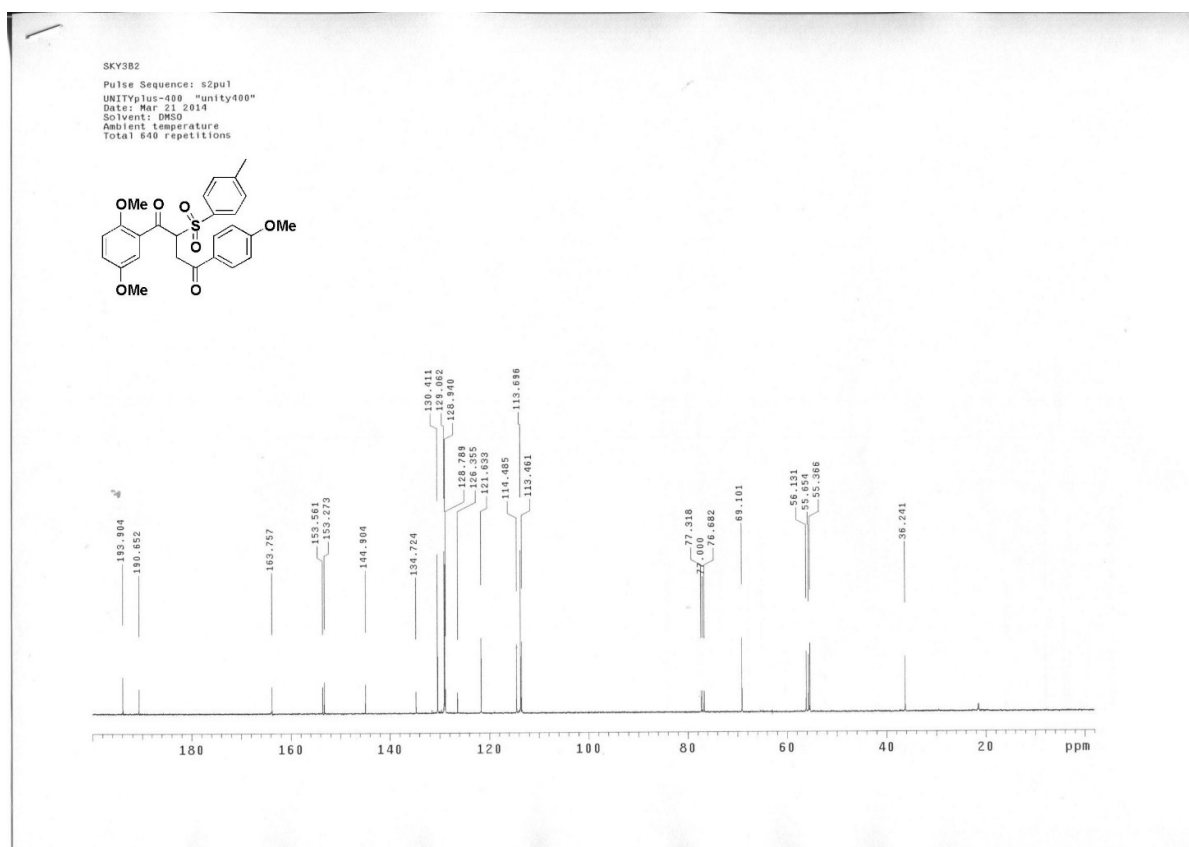
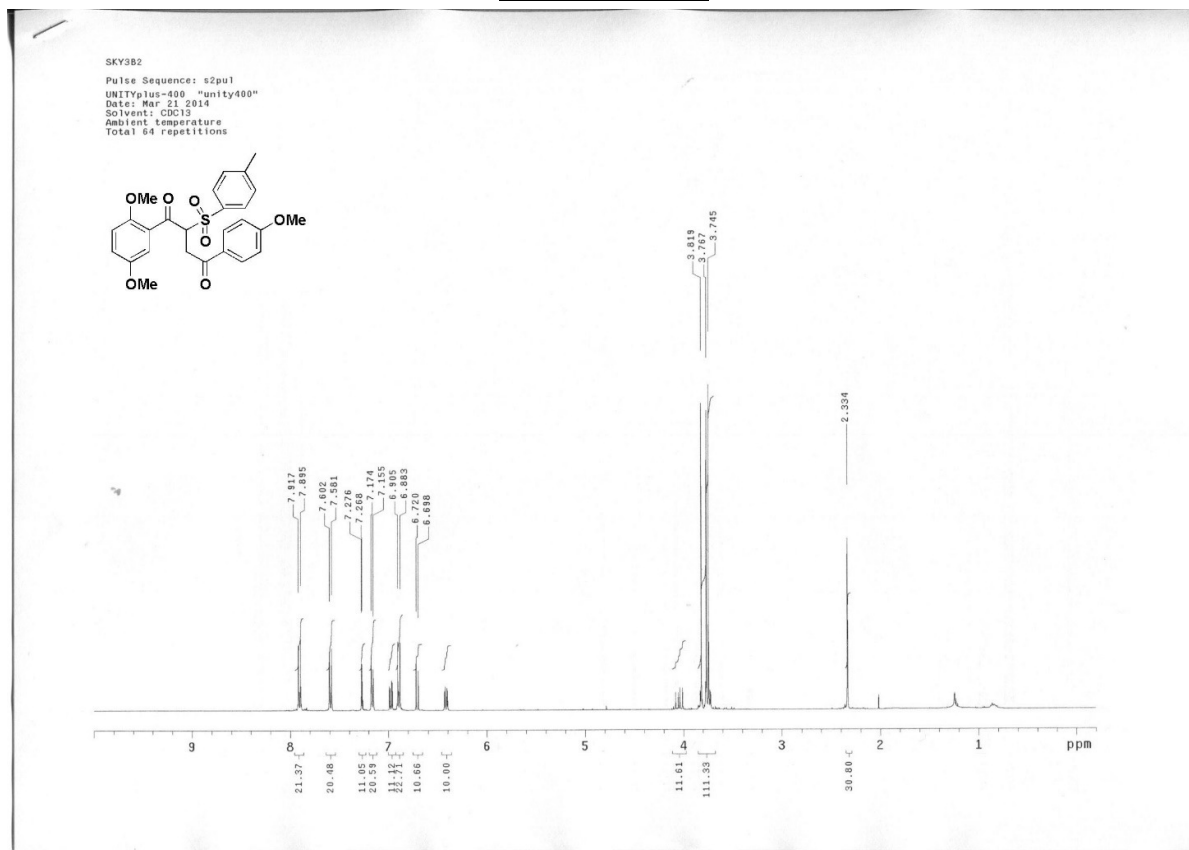
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Date: Feb 14 2014
Solvent: CDCl3
Ambient temperature
Total 2048 repetitions



Compound 5b

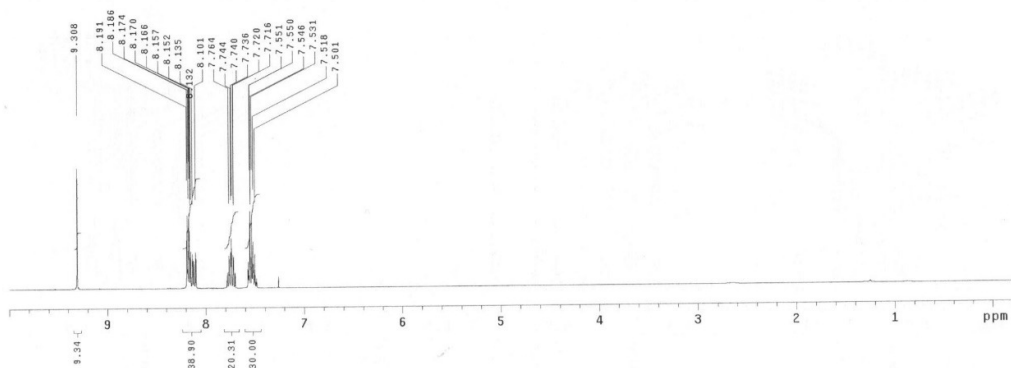
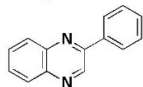
Compound 5c

Compound 5d

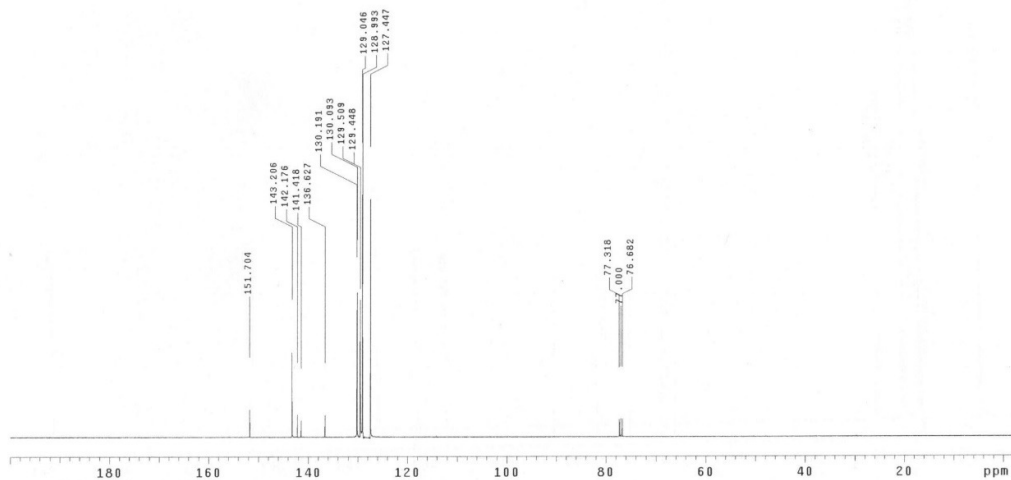
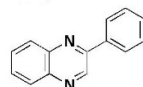
Compound 5e

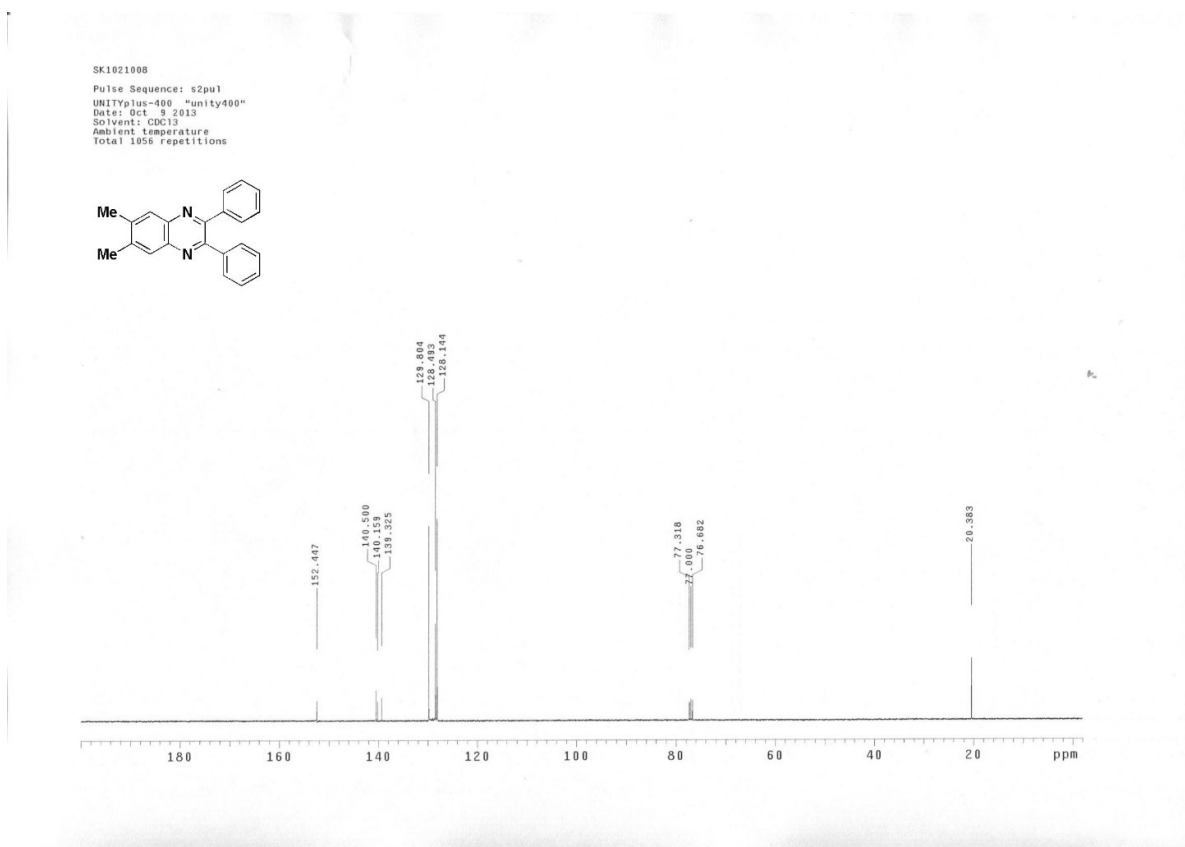
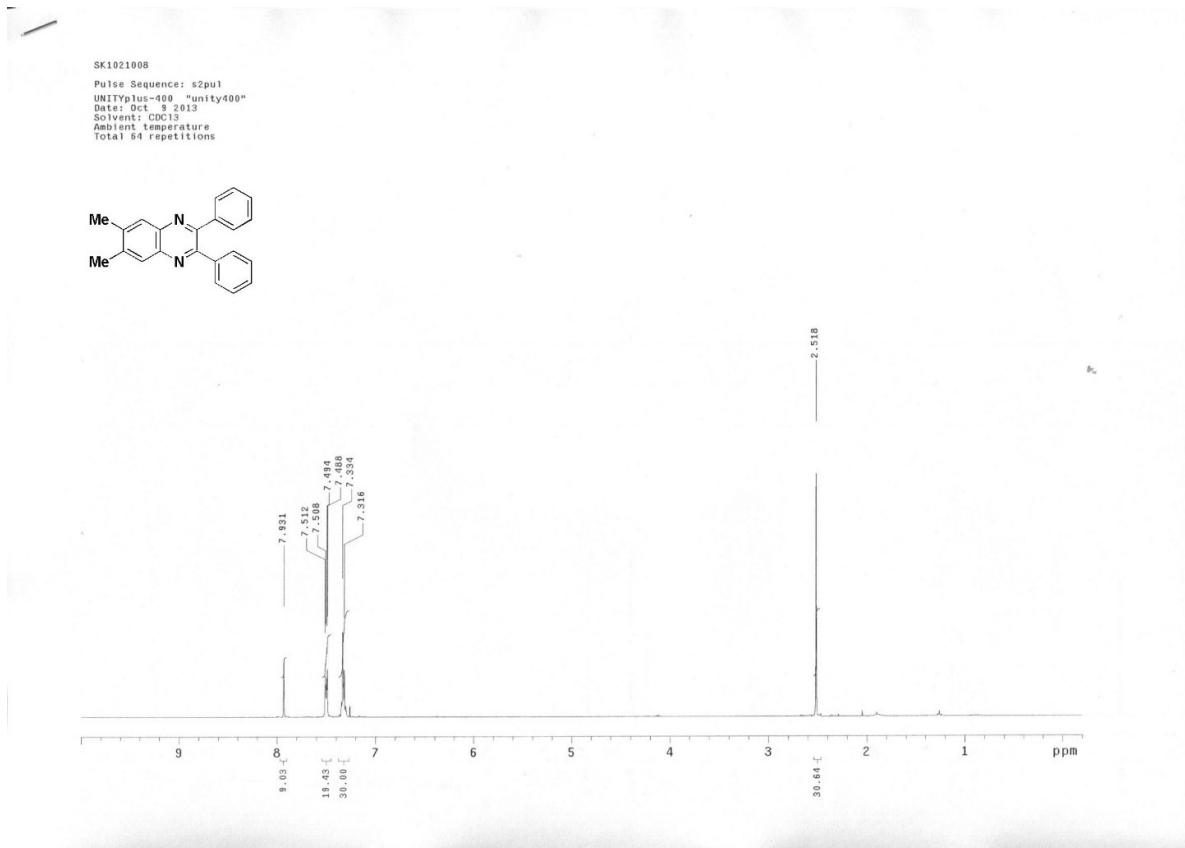
Compound 7a

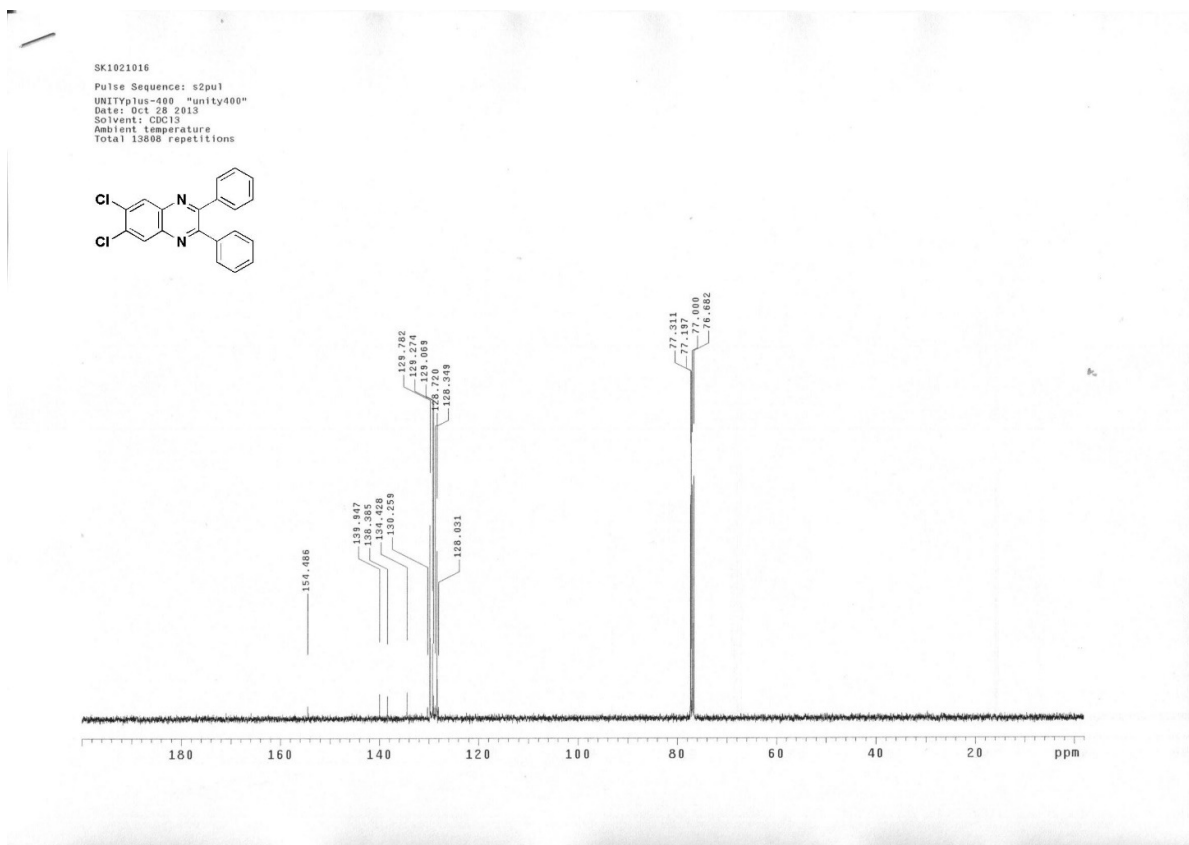
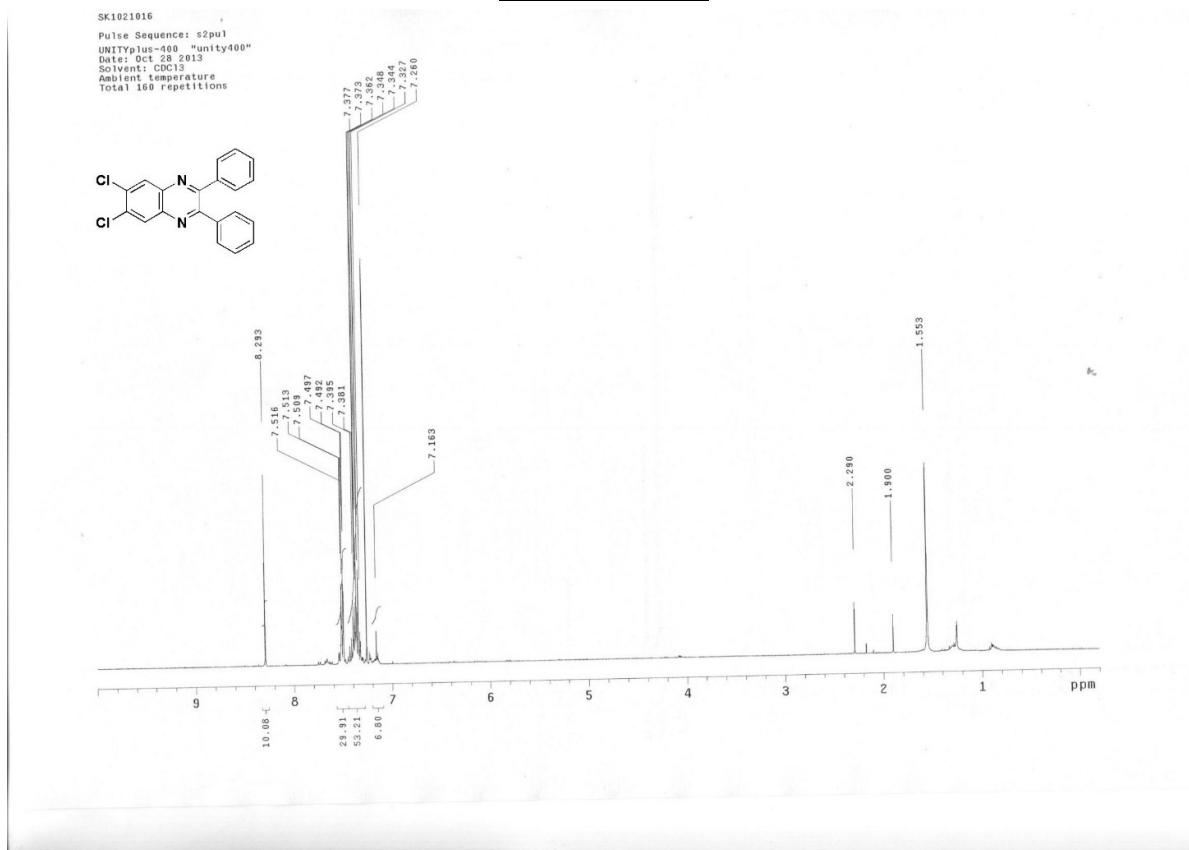
4k1v3j0j8
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 8 2014
Solvent: CDCl3
Ambient temperature
Total 64 repetitions



5k1v3j0j8
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 8 2014
Solvent: CDCl3
Ambient temperature
Total 5584 repetitions



Compound 7b

Compound 7c

Compound 7d