

Supplementary information for

**Ruthenium/Base-Catalyzed Ortho-Selective C-H Arylation of
Acyl Arenes with Halogenated Arylboronates**

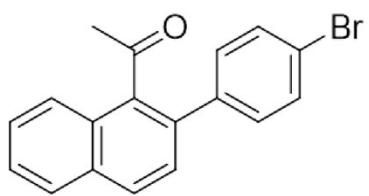
Tetsuya Yamamoto^{a,b} and Tetsu Yamakawa^a

^a Catalysis Group, Sagami Chemical Research Institute, Hayakawa 2743-1, Ayase, Kanagawa 252-1193, Japan.

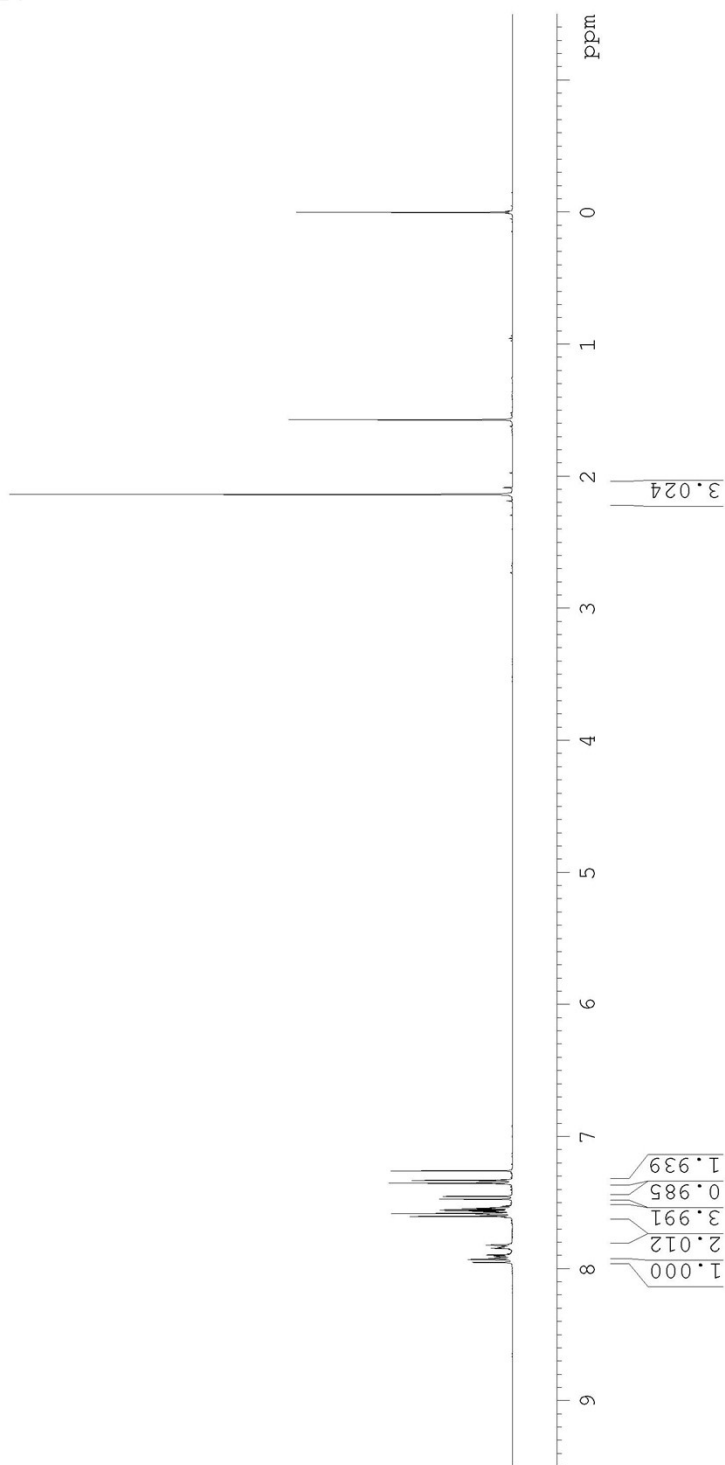
^b Department of green and sustainable chemistry, Tokyo Denki University, Senju-Asahi-cho 5, Adachi-ku, Tokyo 120-8551, Japan.

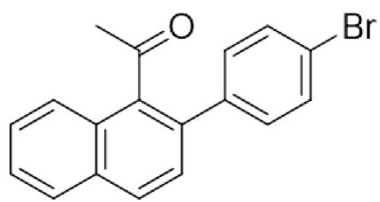
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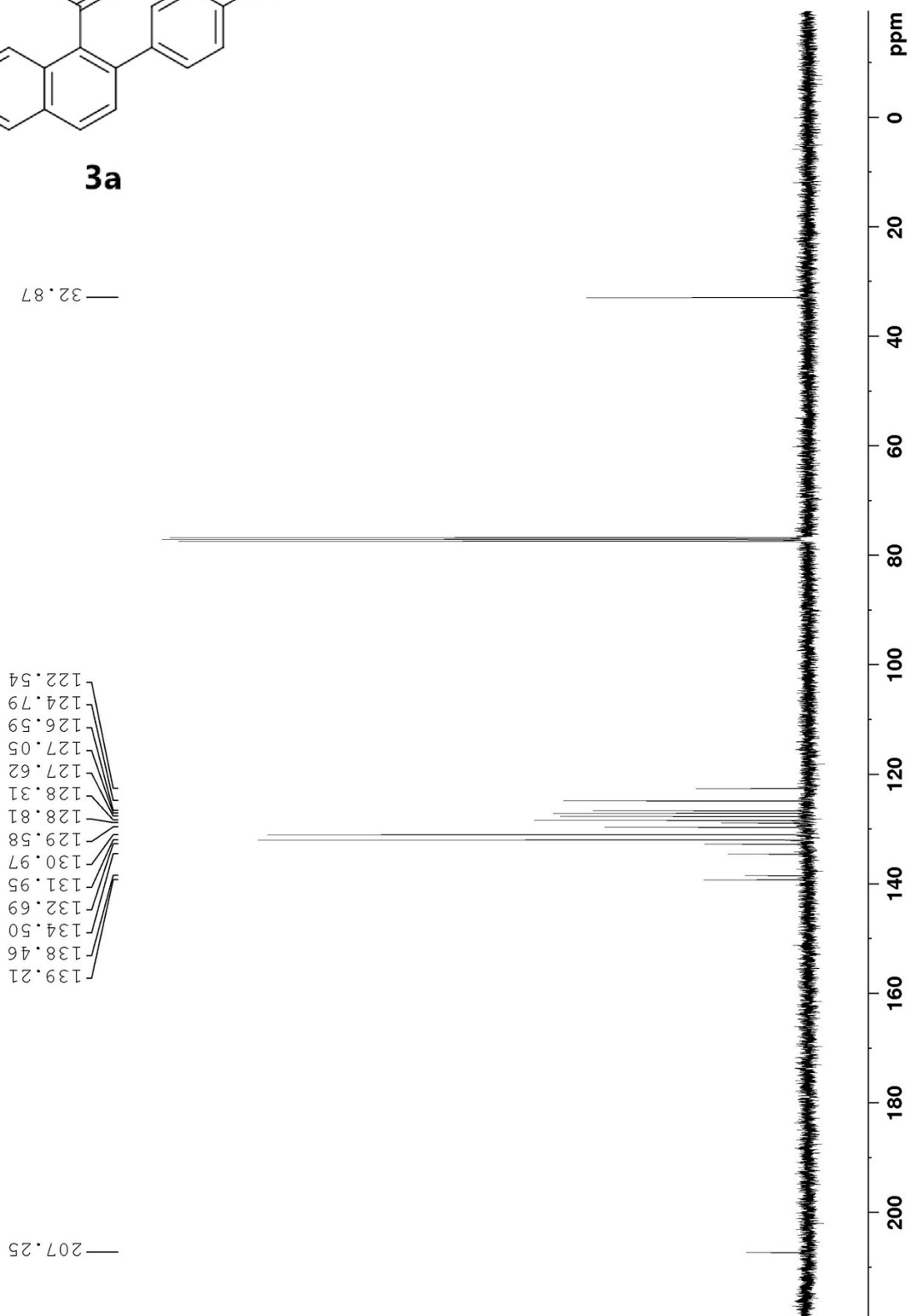


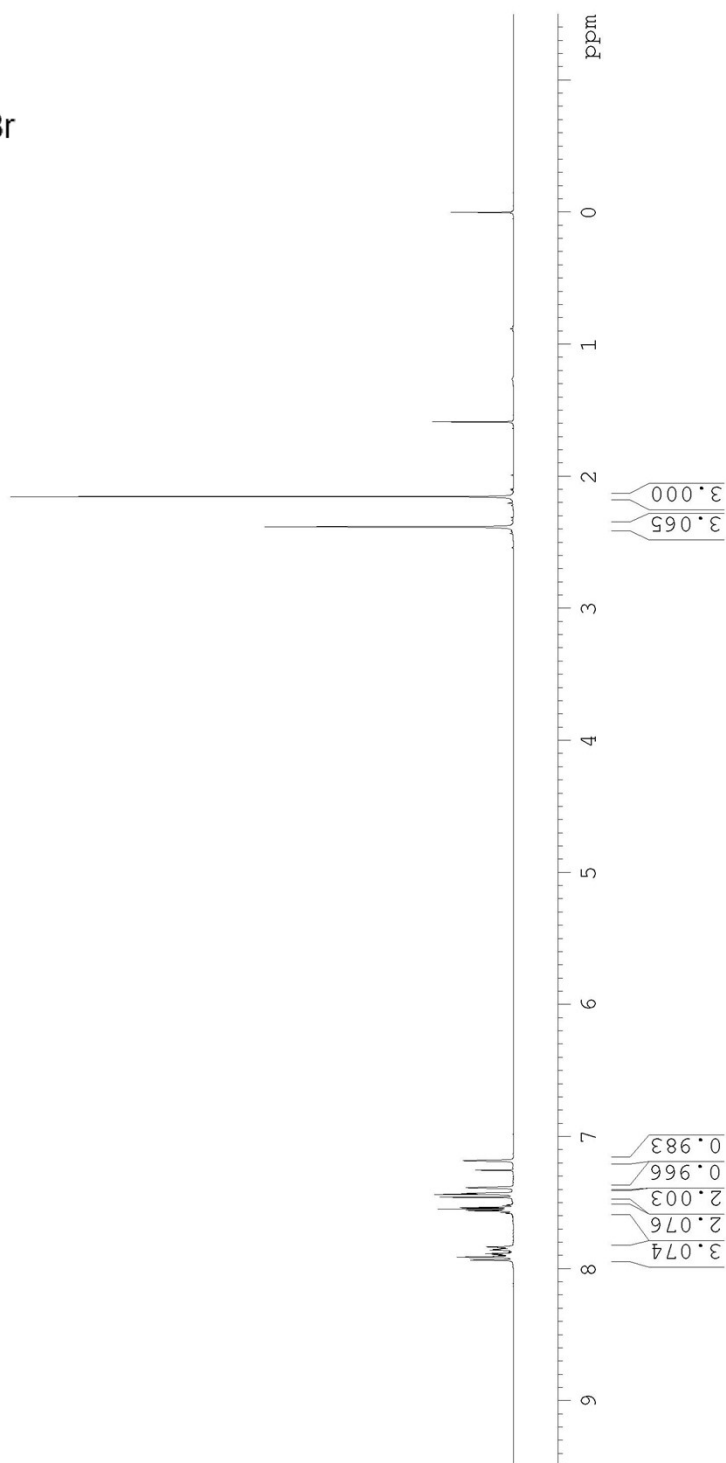
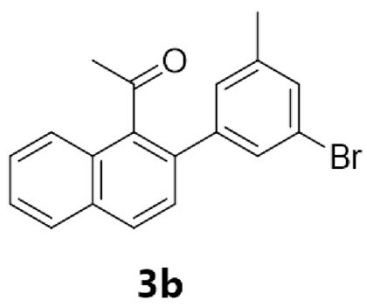
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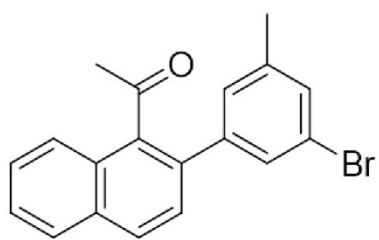




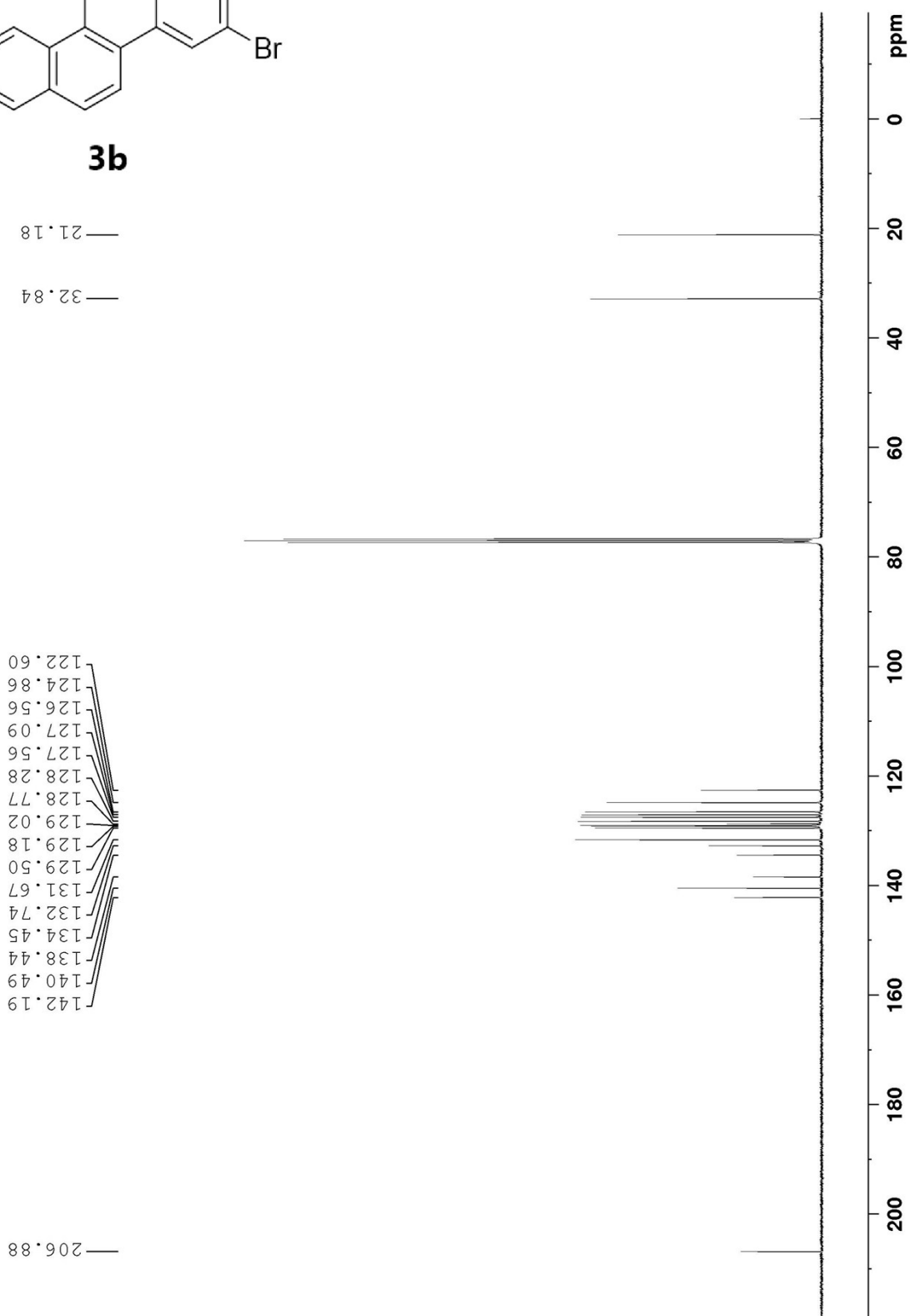
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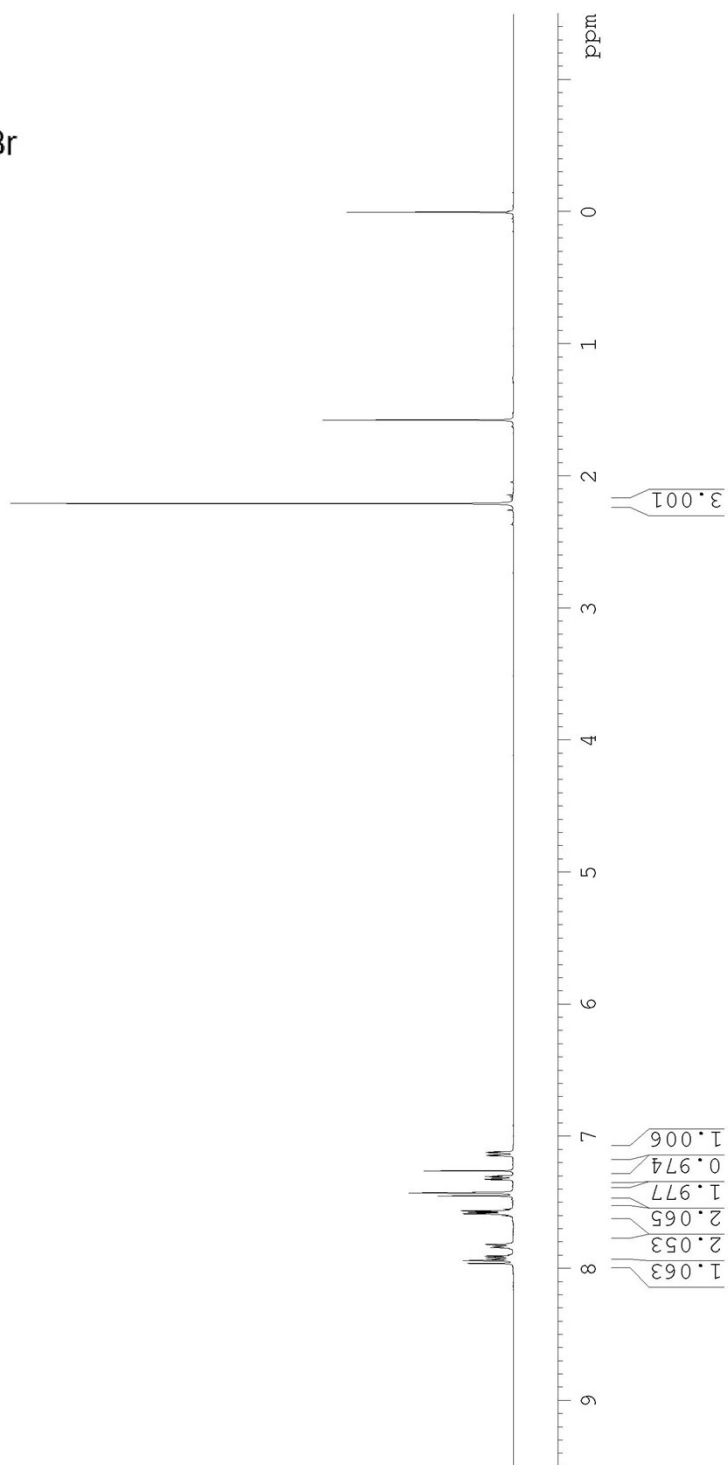
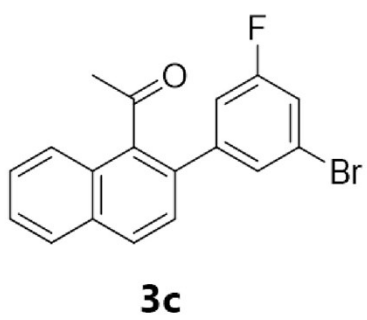


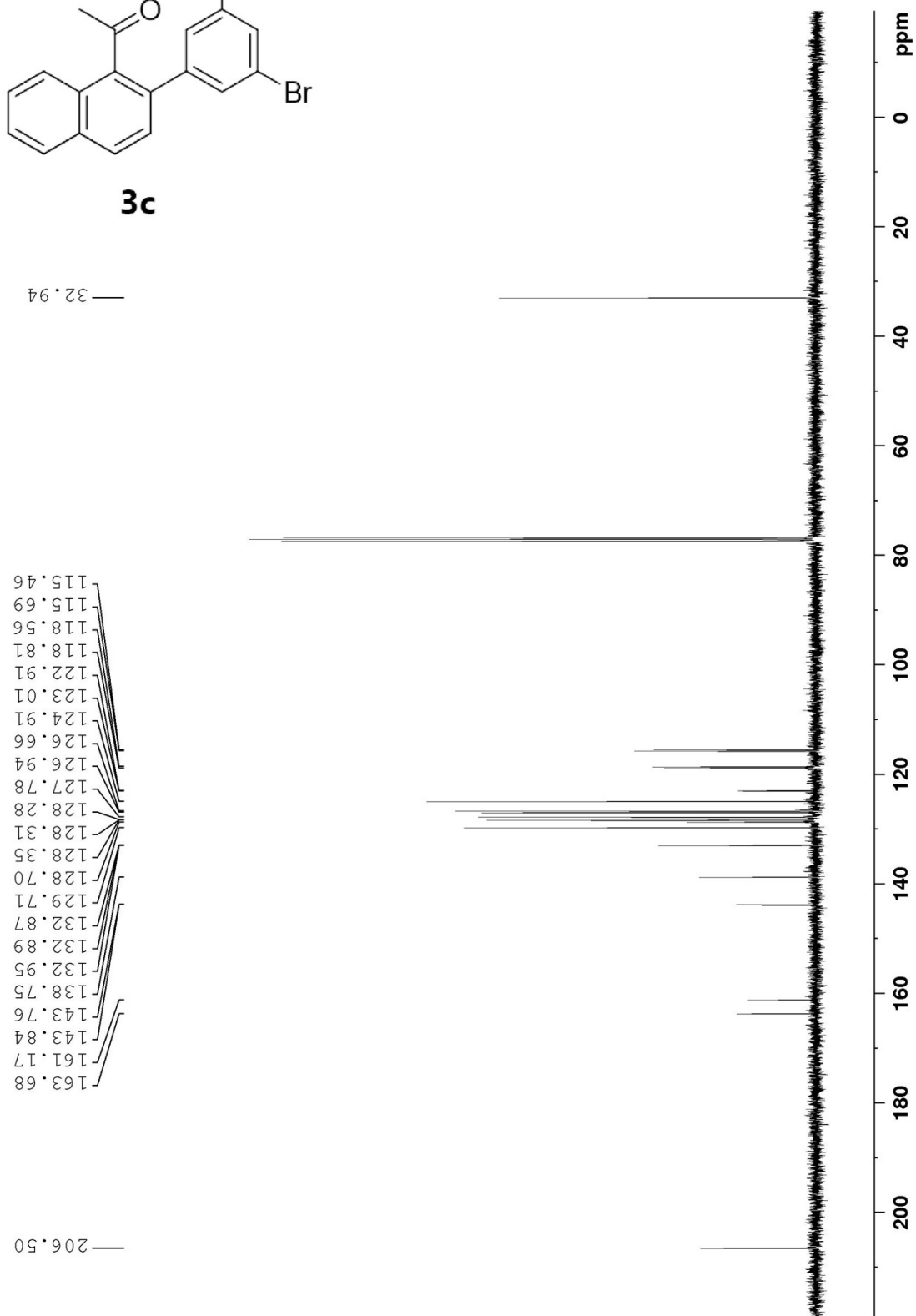
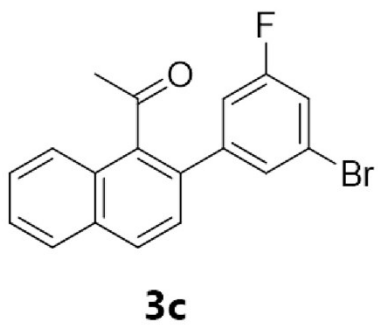


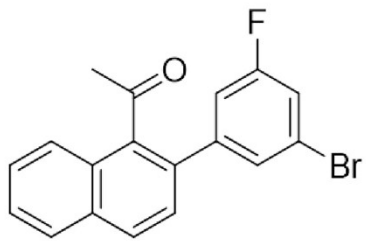


3b





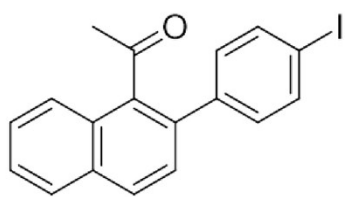




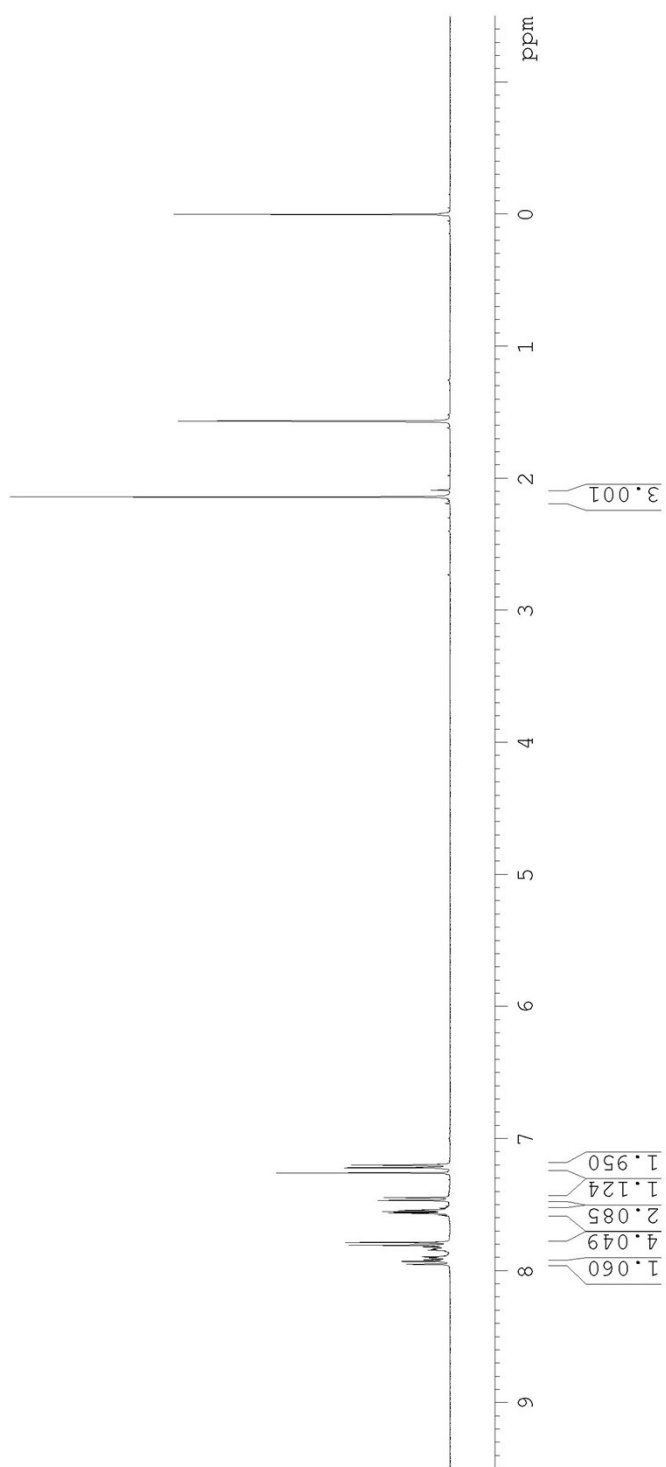
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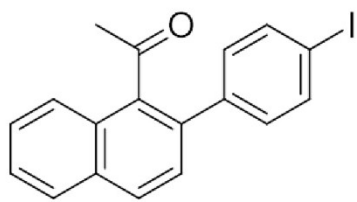
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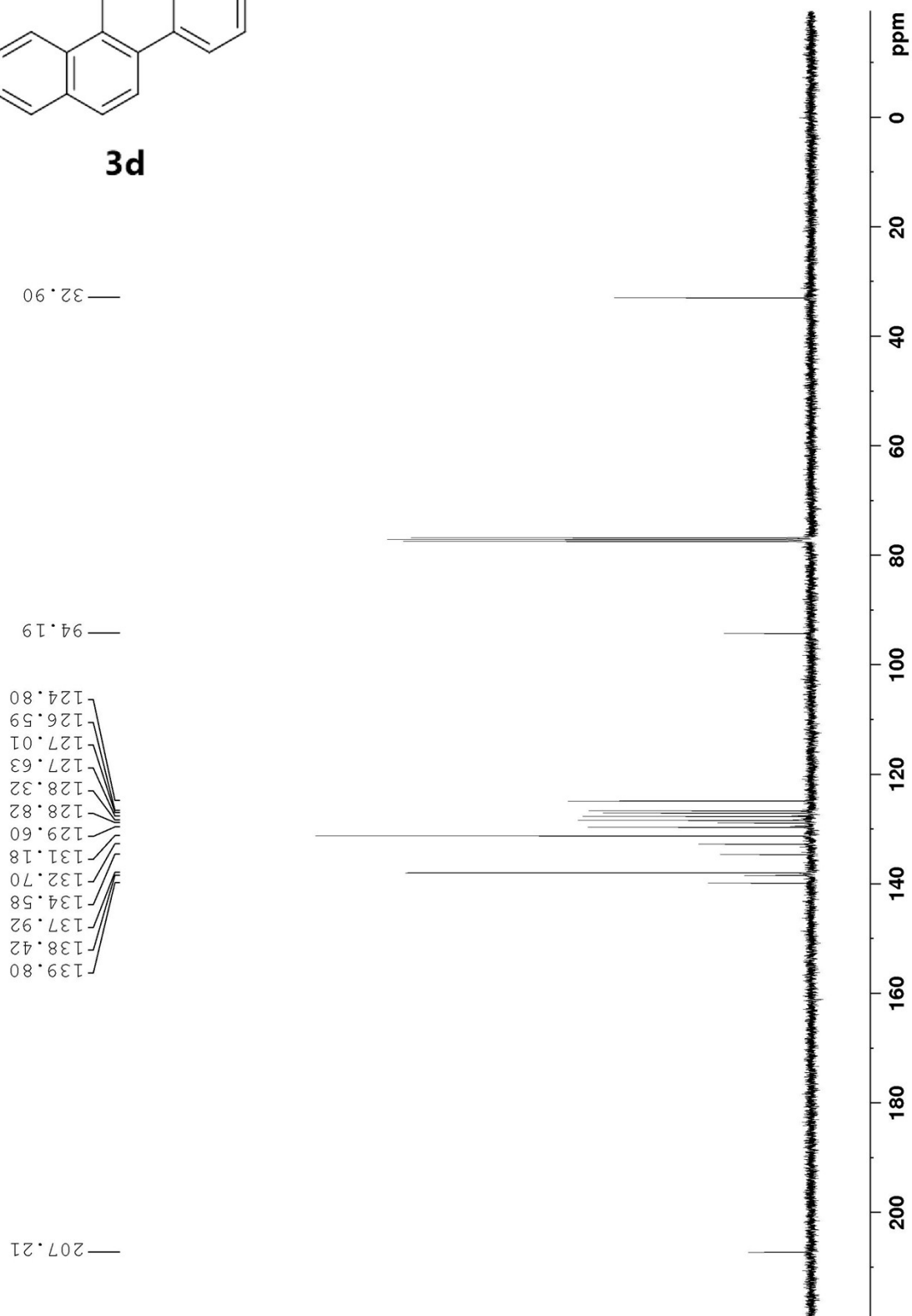


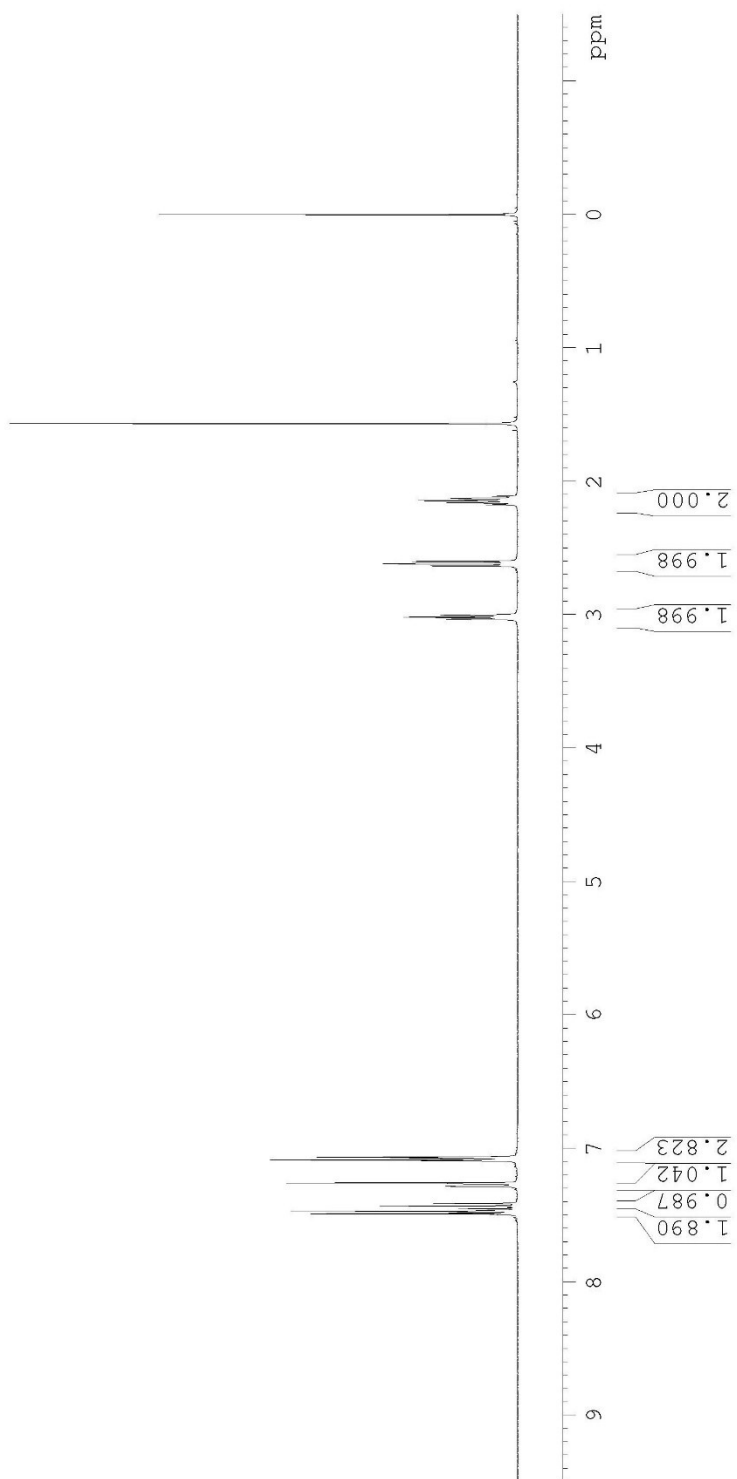
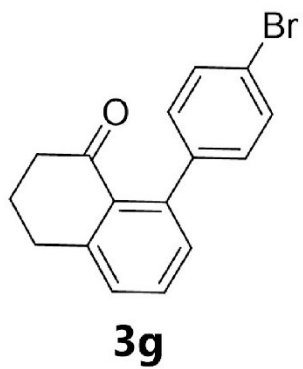
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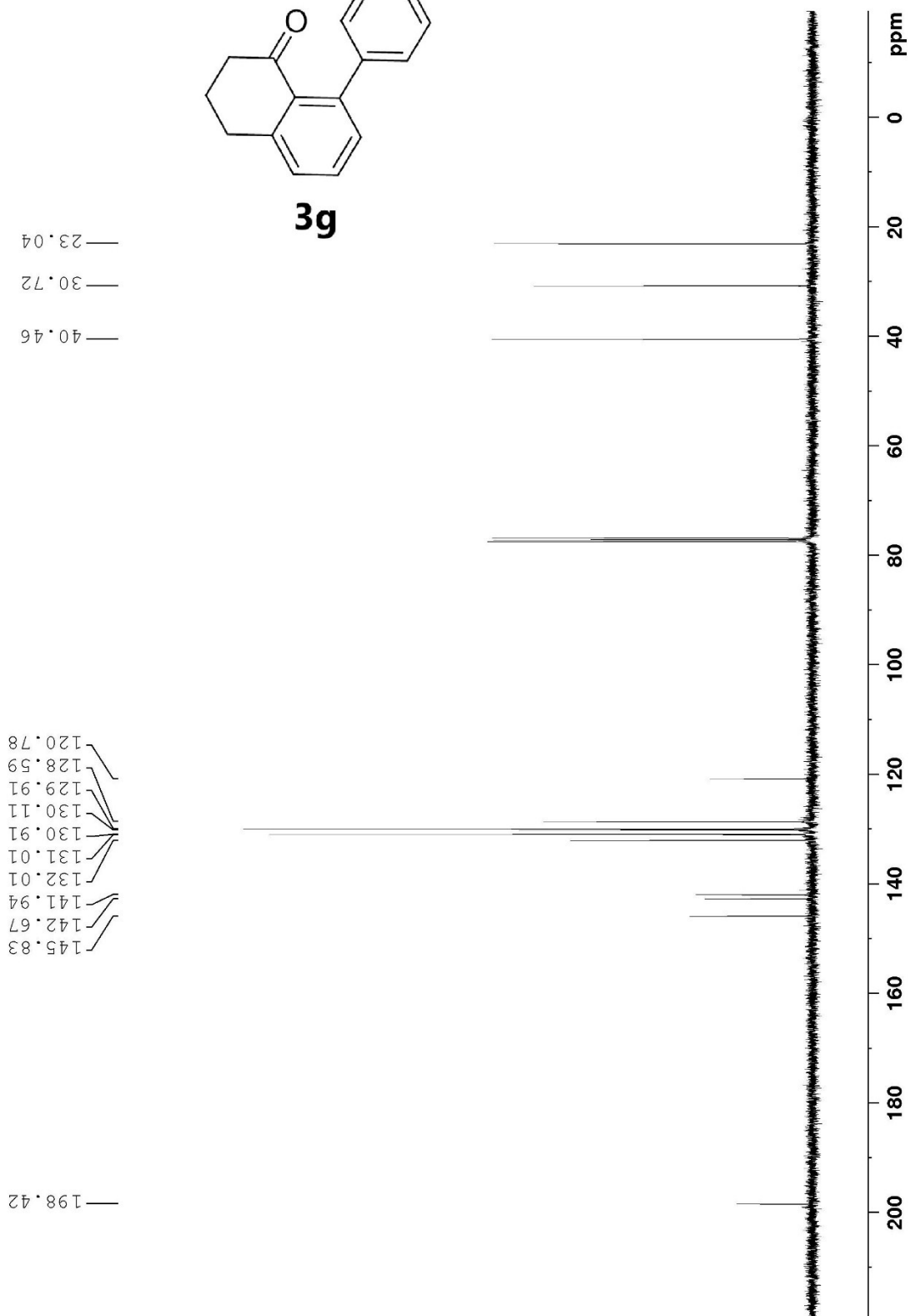
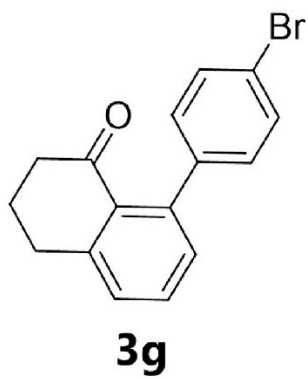


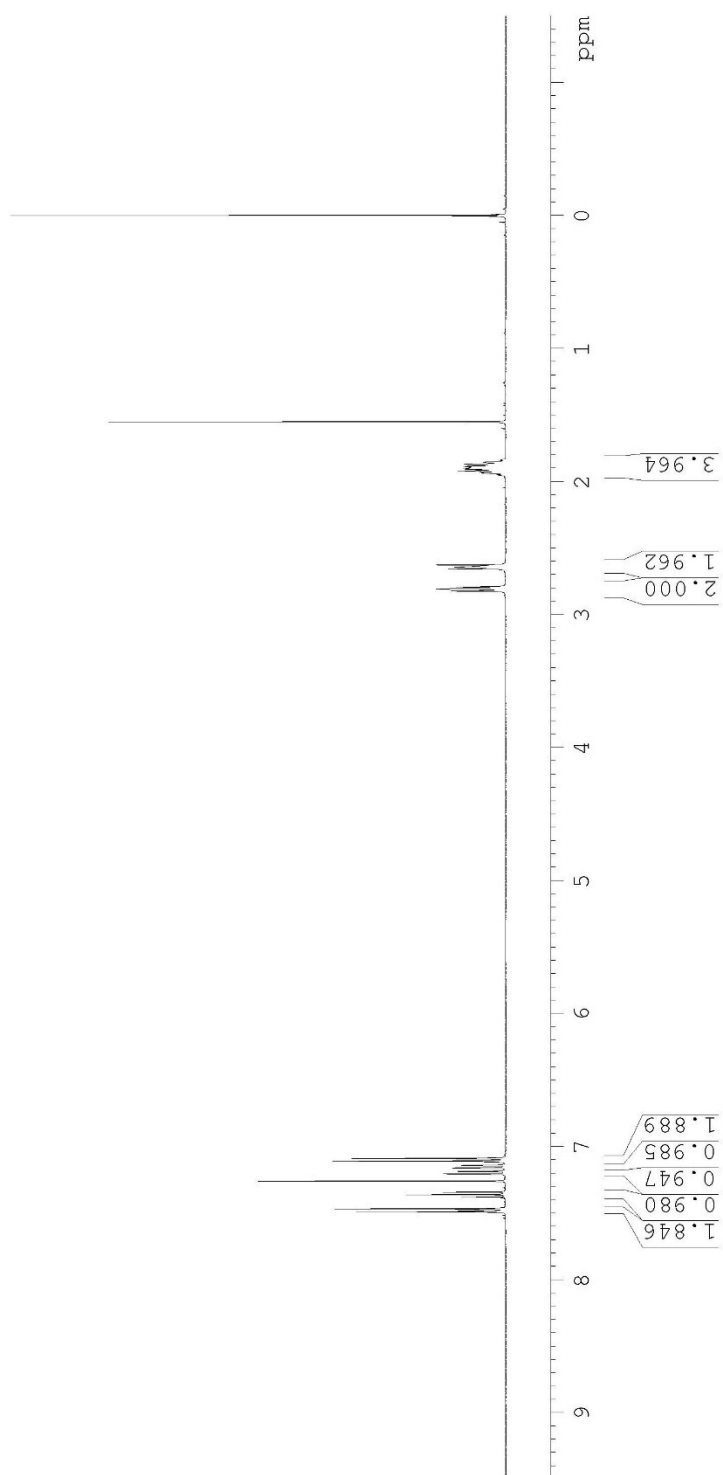
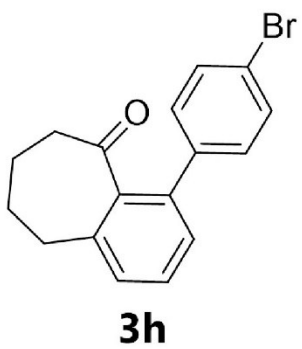


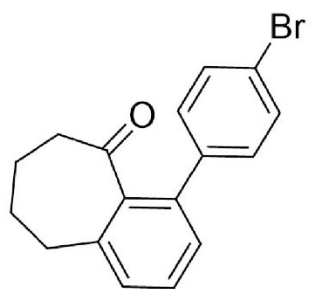
3d









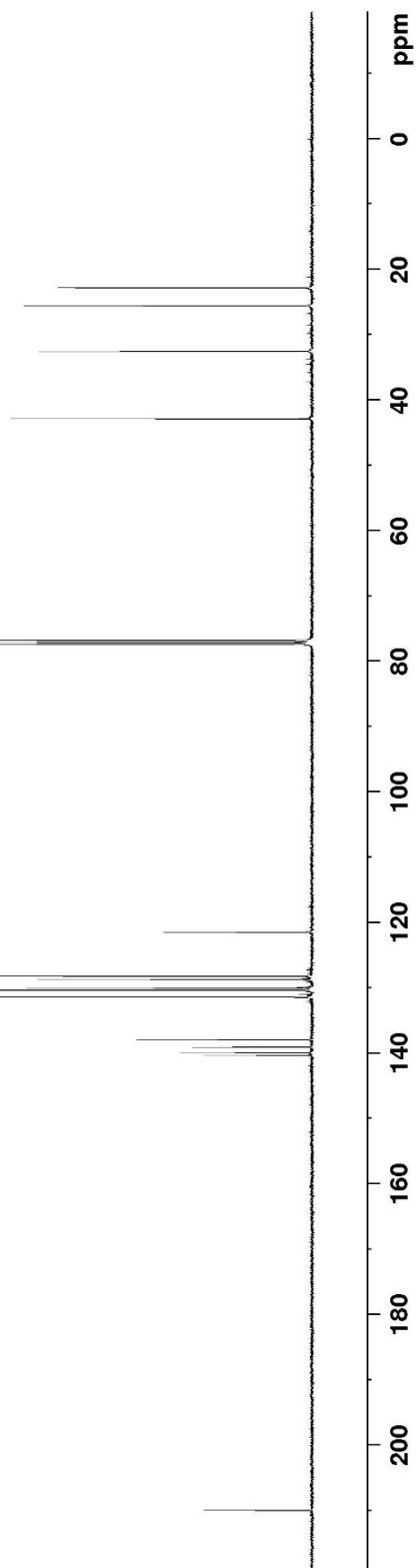


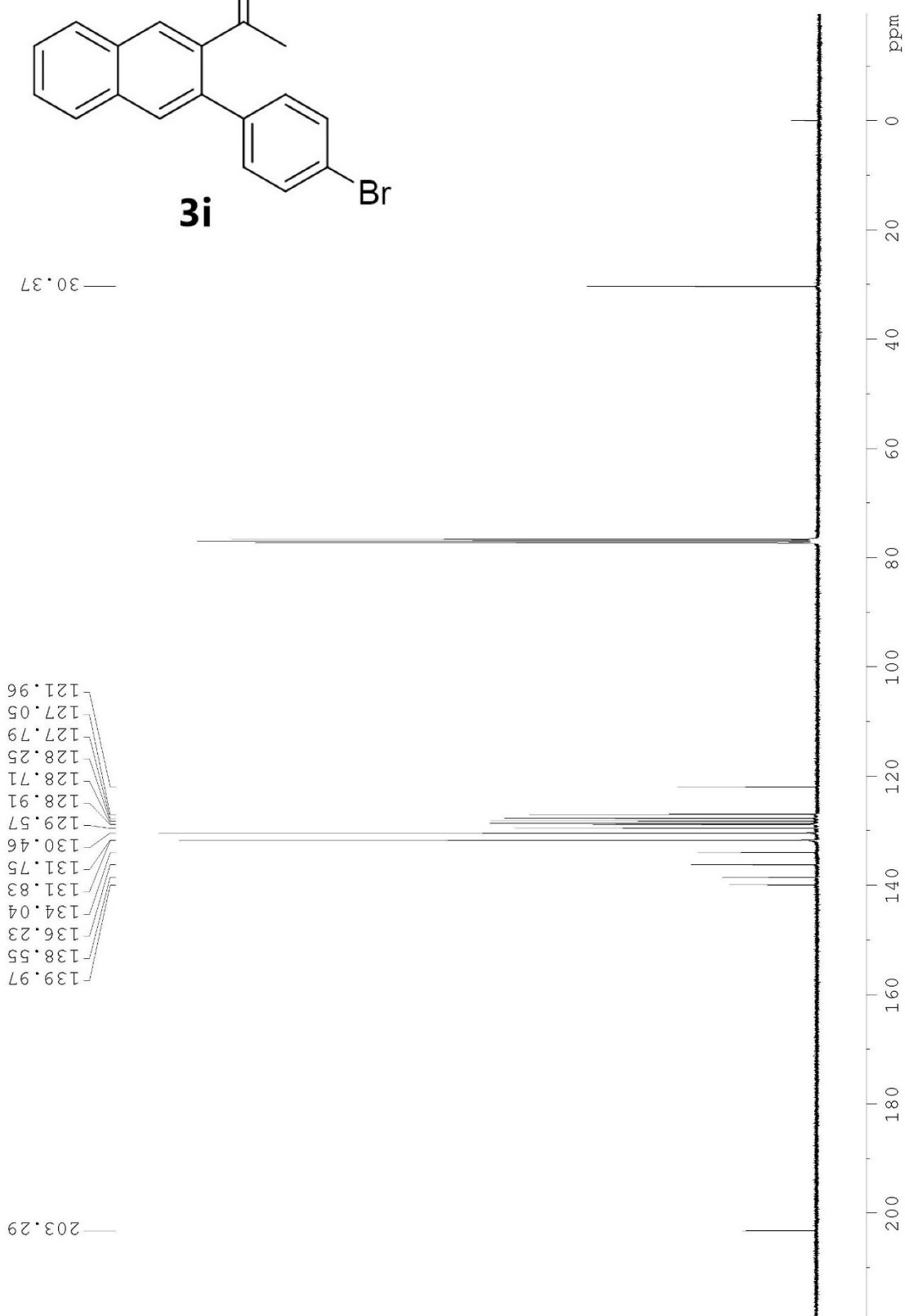
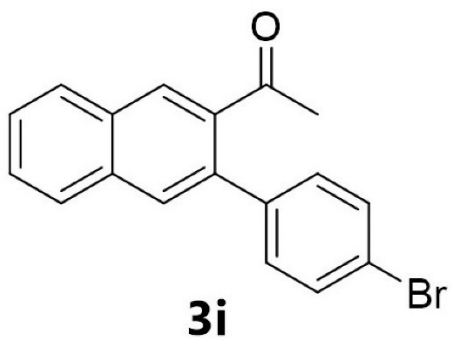
3h

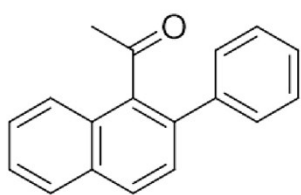
— 22.80
— 25.56
— 32.53
— 42.84

121.45
128.19
128.66
130.00
130.34
130.34
131.39
137.90
139.03
139.88
140.25

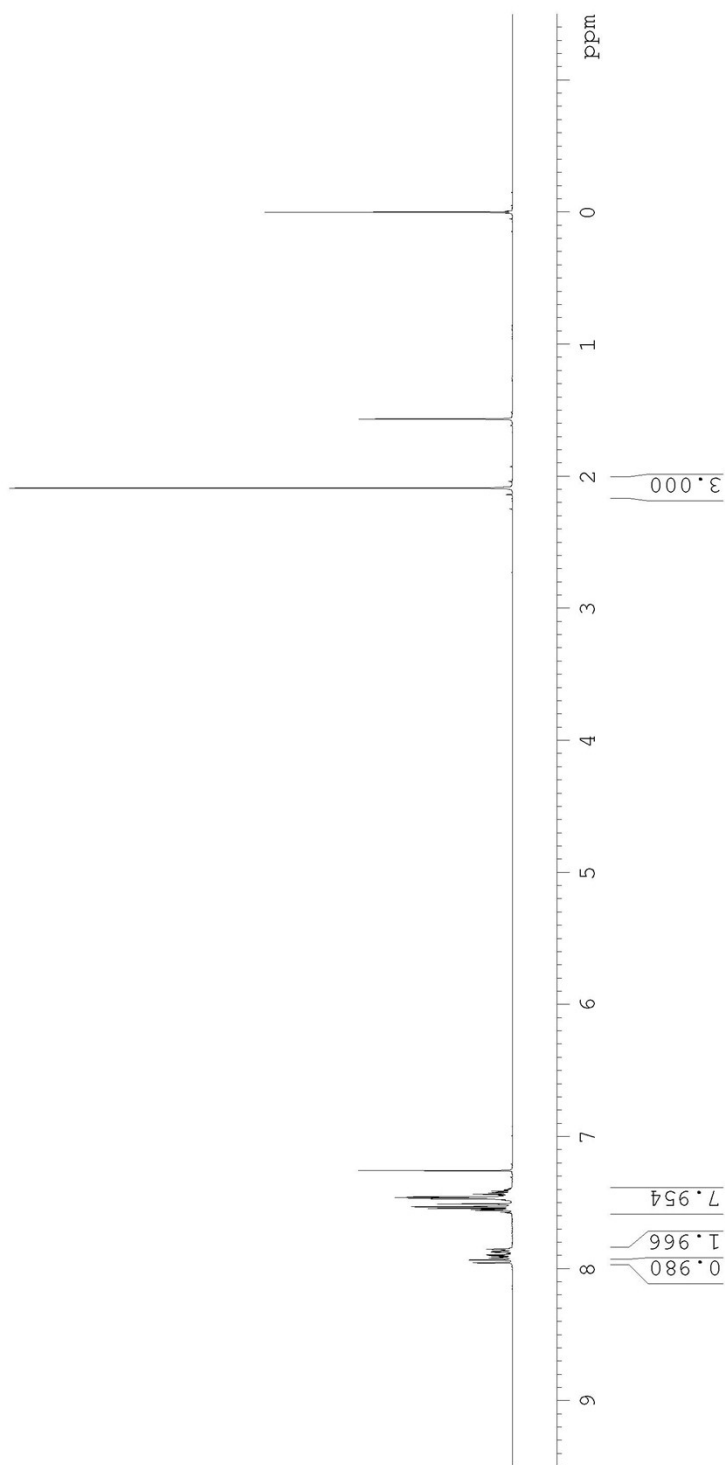
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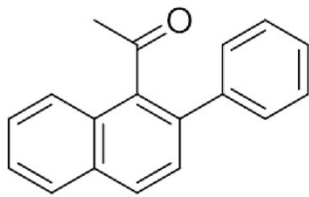






4a





4a

