

Supporting Information

Fe-mediated synthesis of N-aryl amides from nitroarenes and acyl chloride

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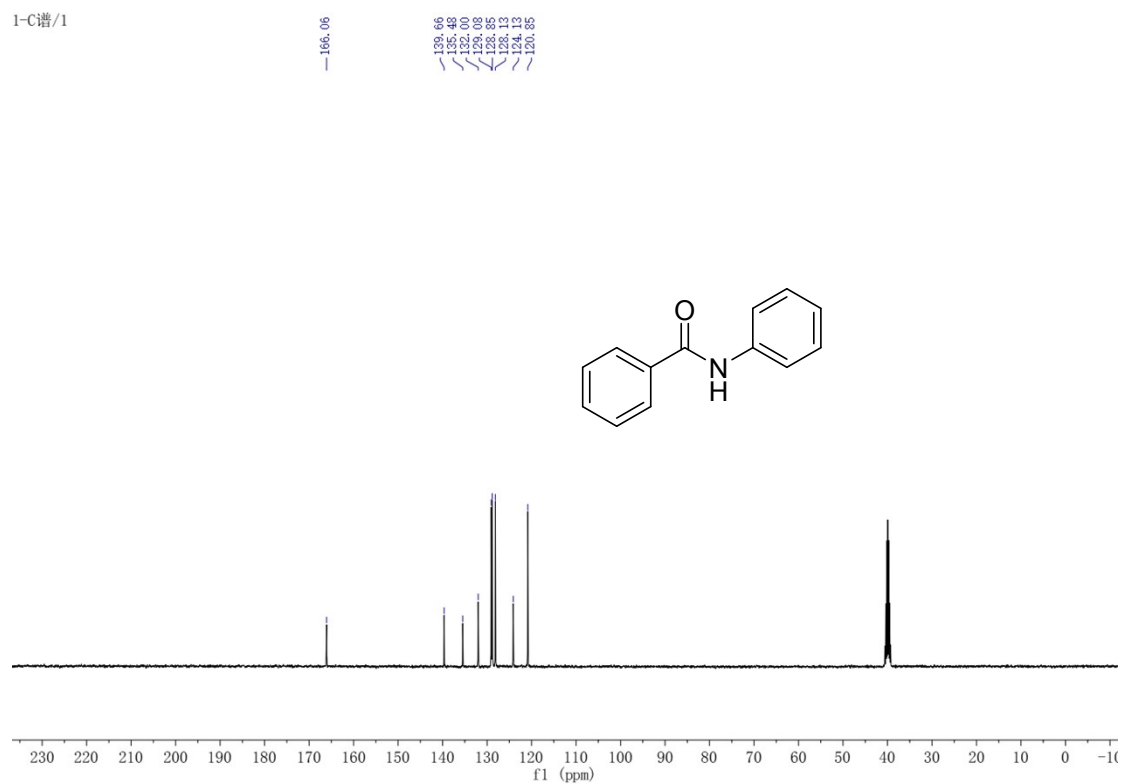
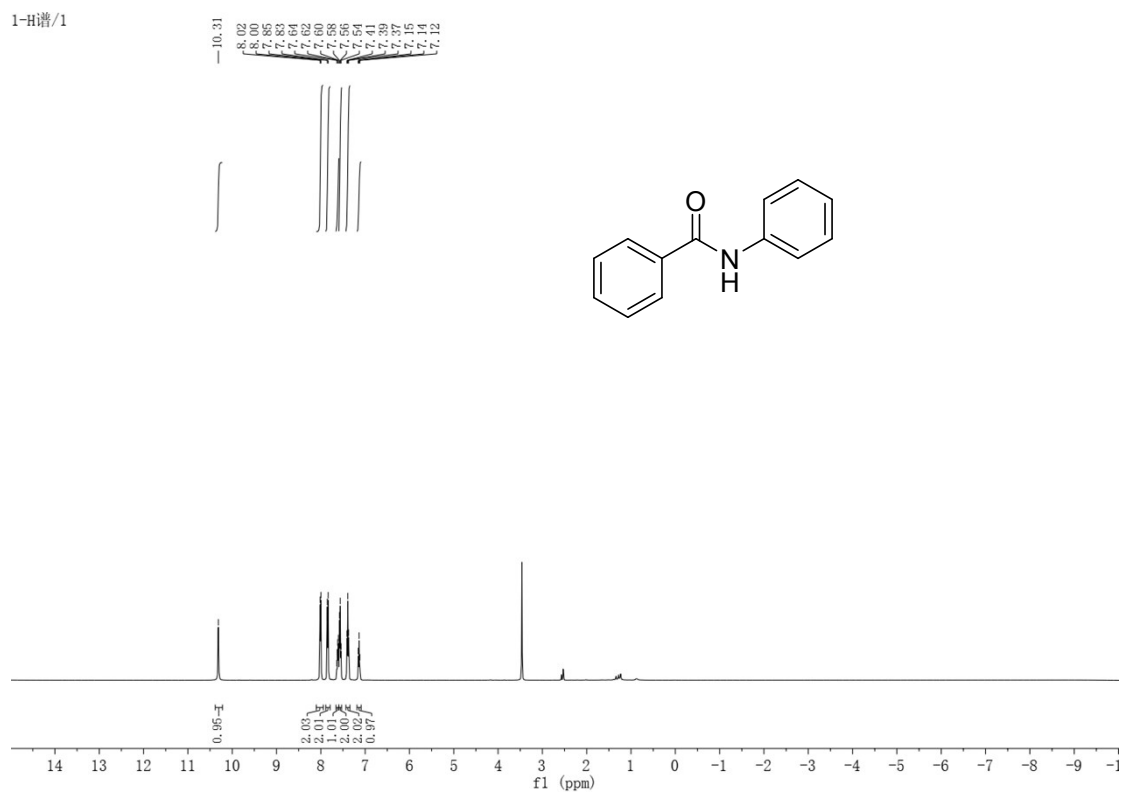
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*Corresponding authors: cqglei@163.com (L. Guo); jiangjunhust@163.com (J. Jiang)

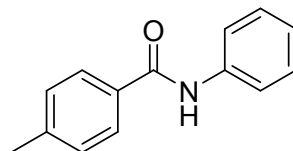
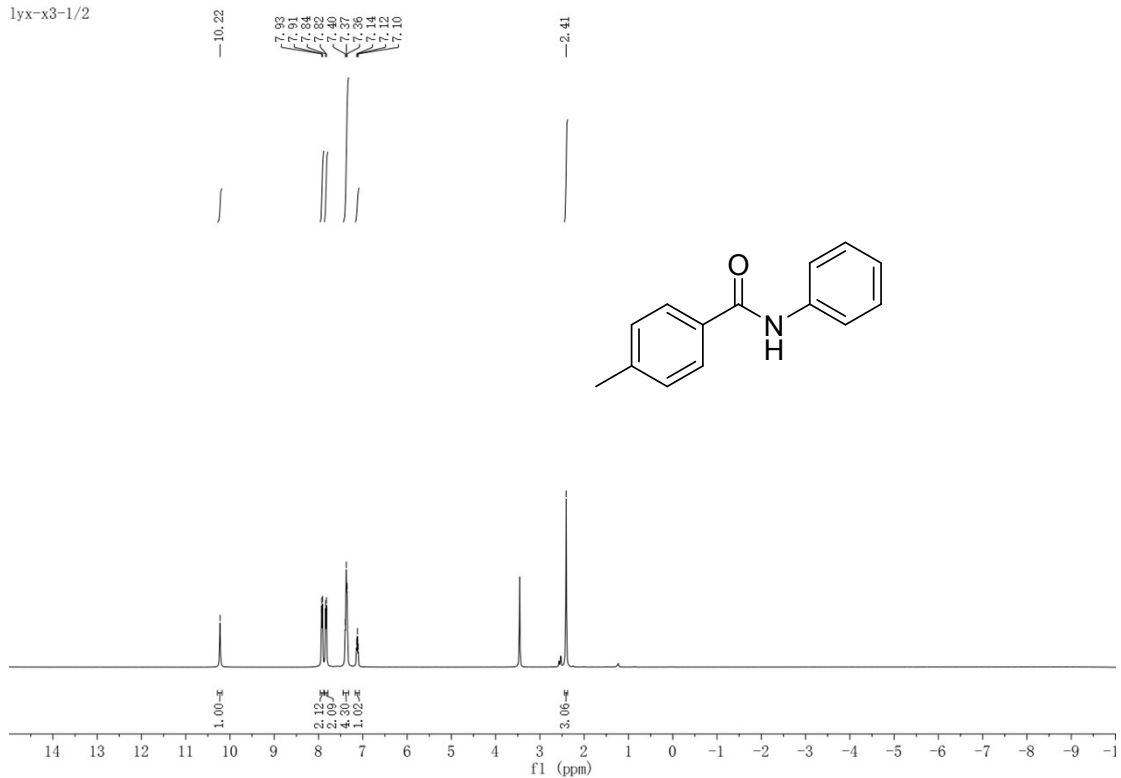
NMR Spectra

N-phenylbenzamide (3aa)



4-methyl-N-phenylbenzamide (3ab)

lyx-x3-1/2

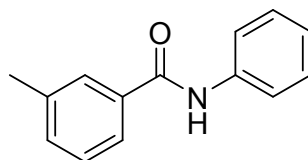
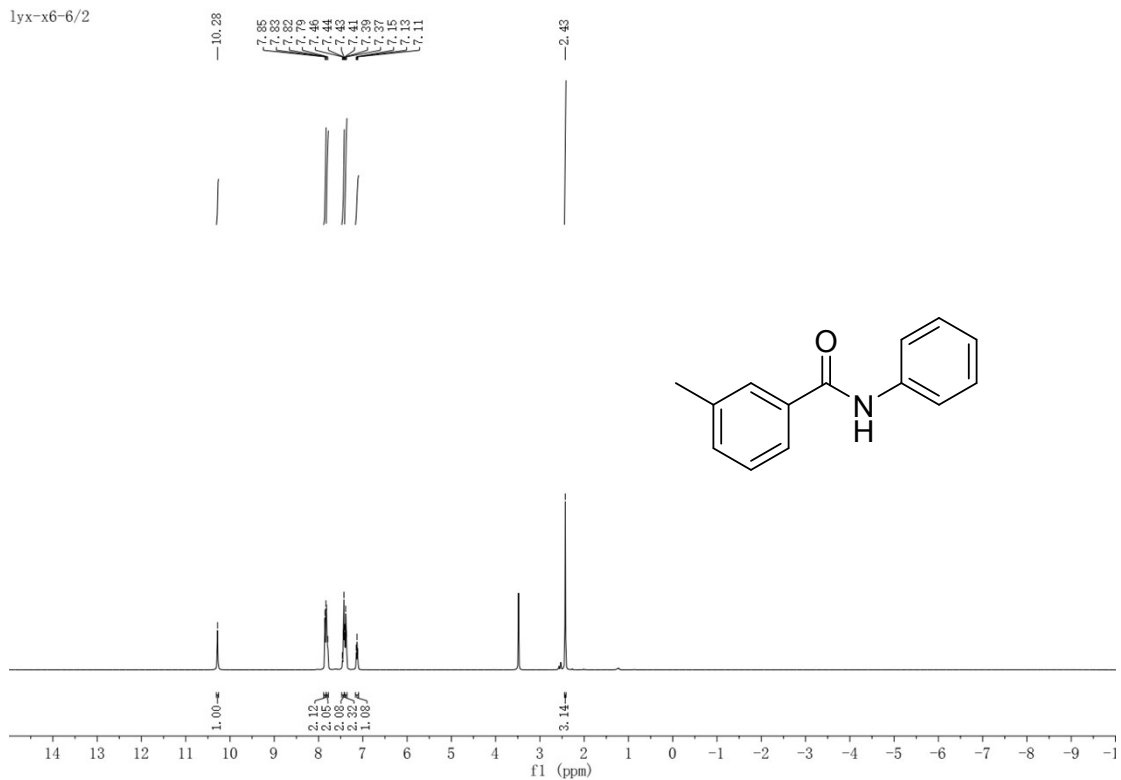


lyx-x3-c-3/1

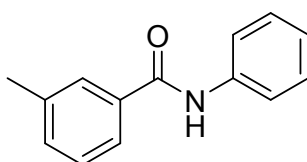
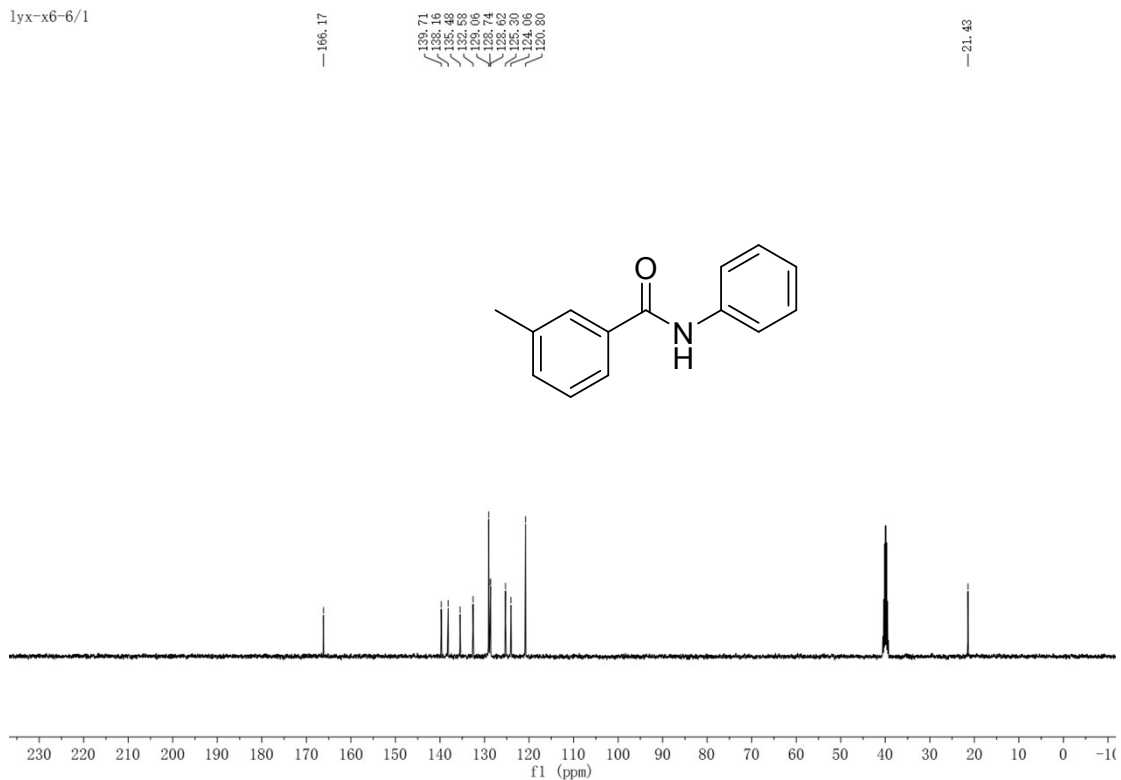


2-methyl-N-phenylbenzamide (3ac)

lyx-x6-6/2

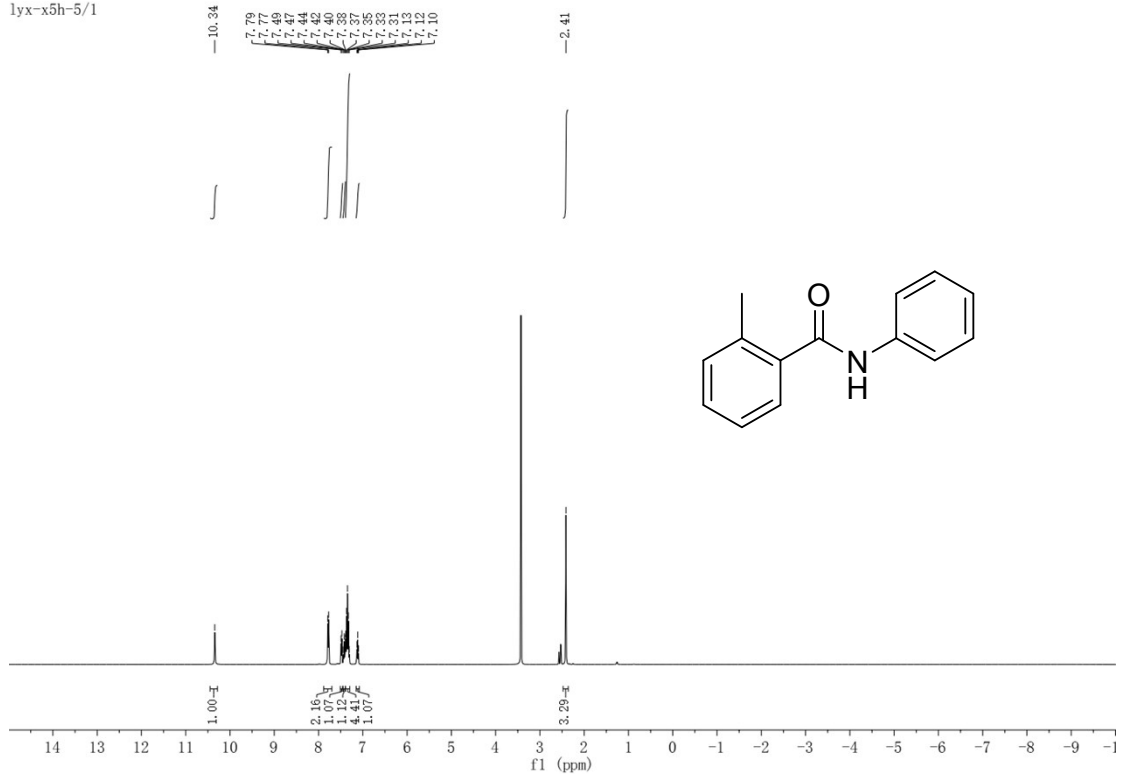


lyx-x6-6/1

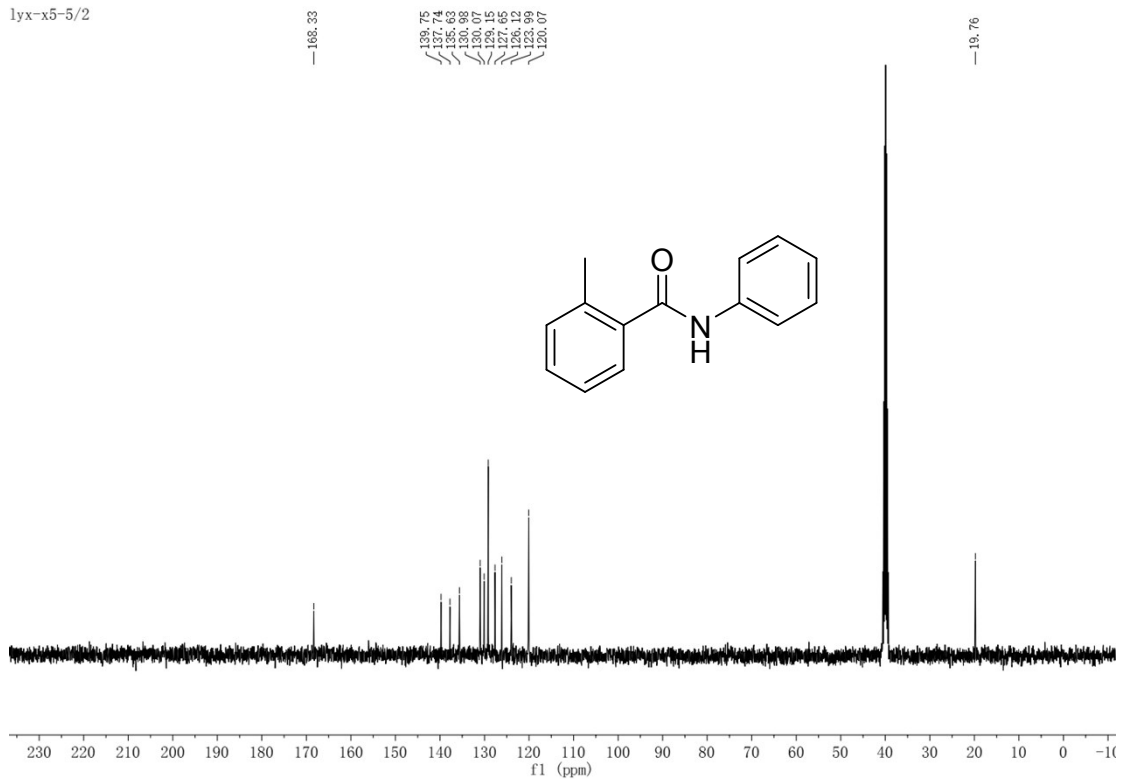


2-methyl-N-phenylbenzamide (3ad)

lyx-x5h-5/1

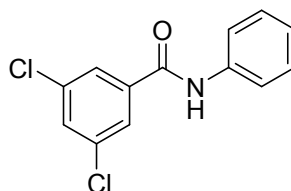
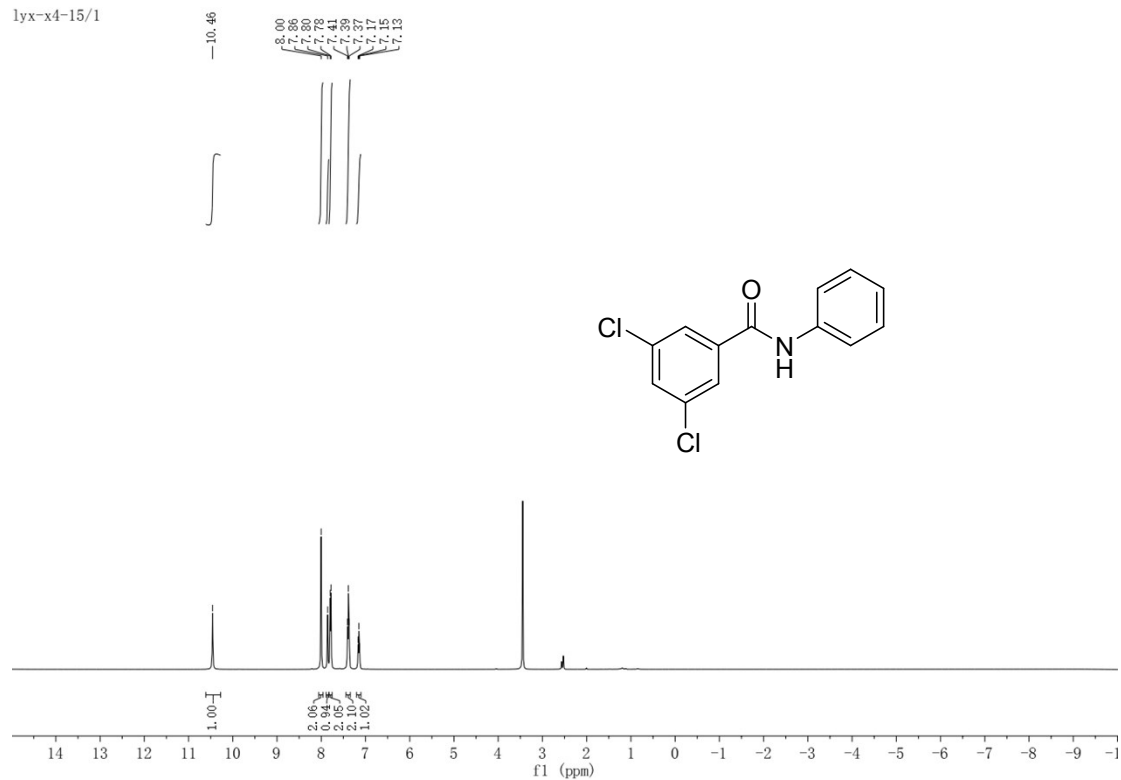


lyx-x5-5/2

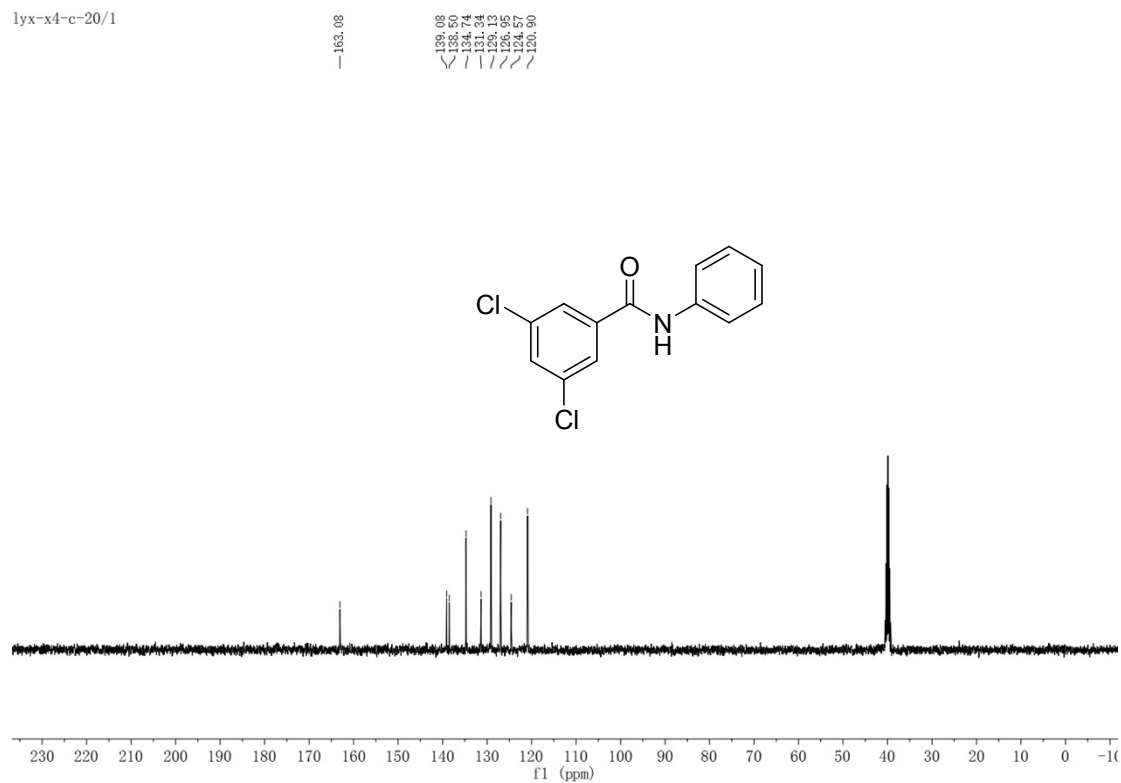


3,5-dichloro-N-phenylbenzamide (3ae)

lyx-x4-15/1

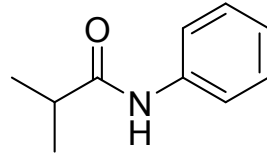
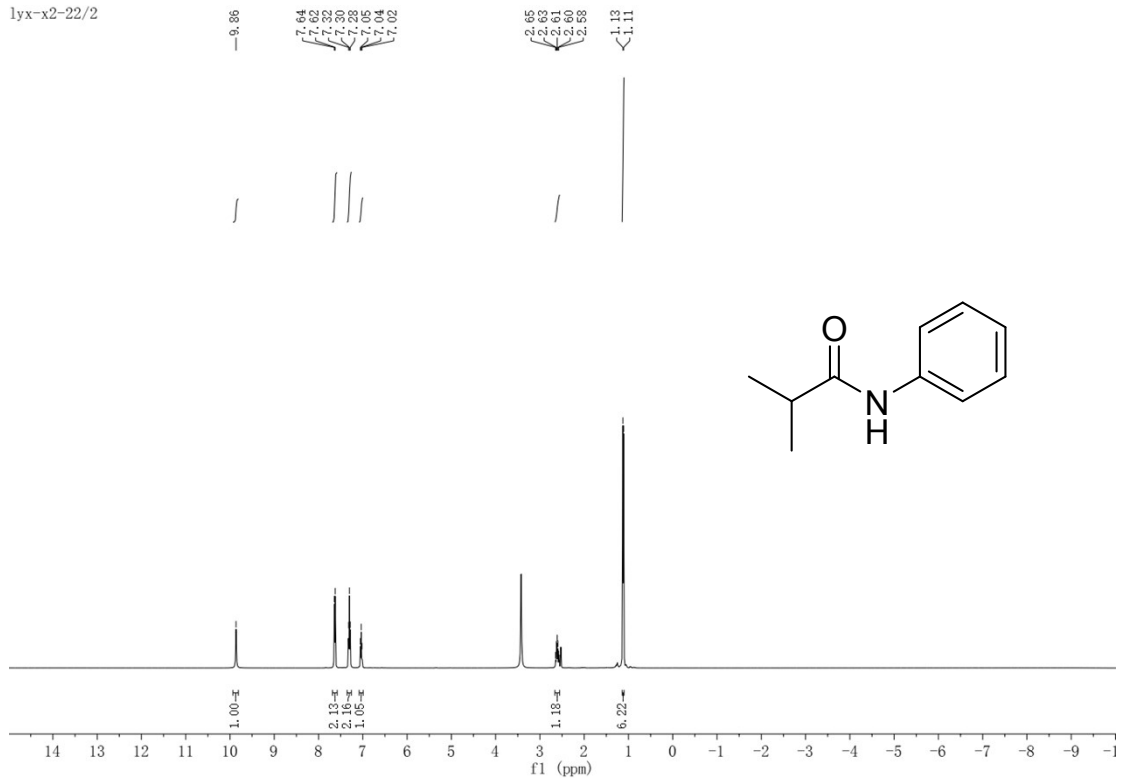


lyx-x4-c-20/1

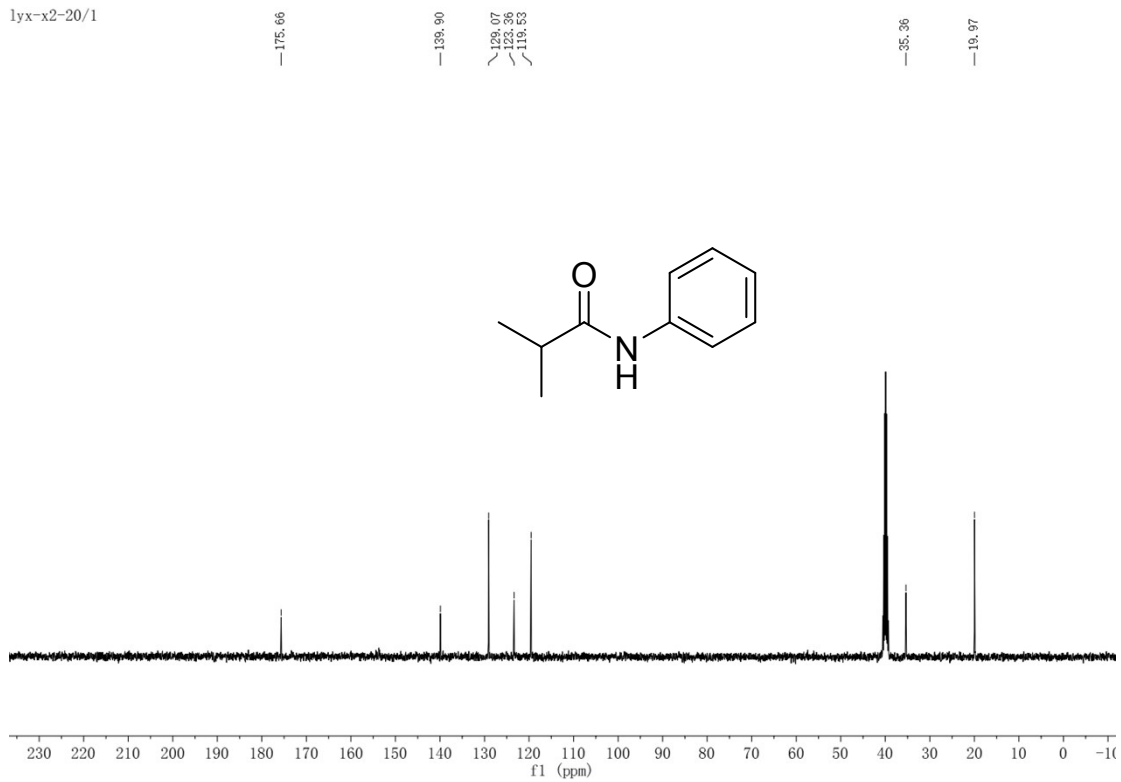


N-phenylisobutyramide (**3af**)

lyx-x2-22/2

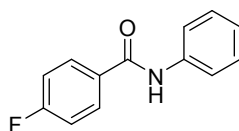


lyx-x2-20/1

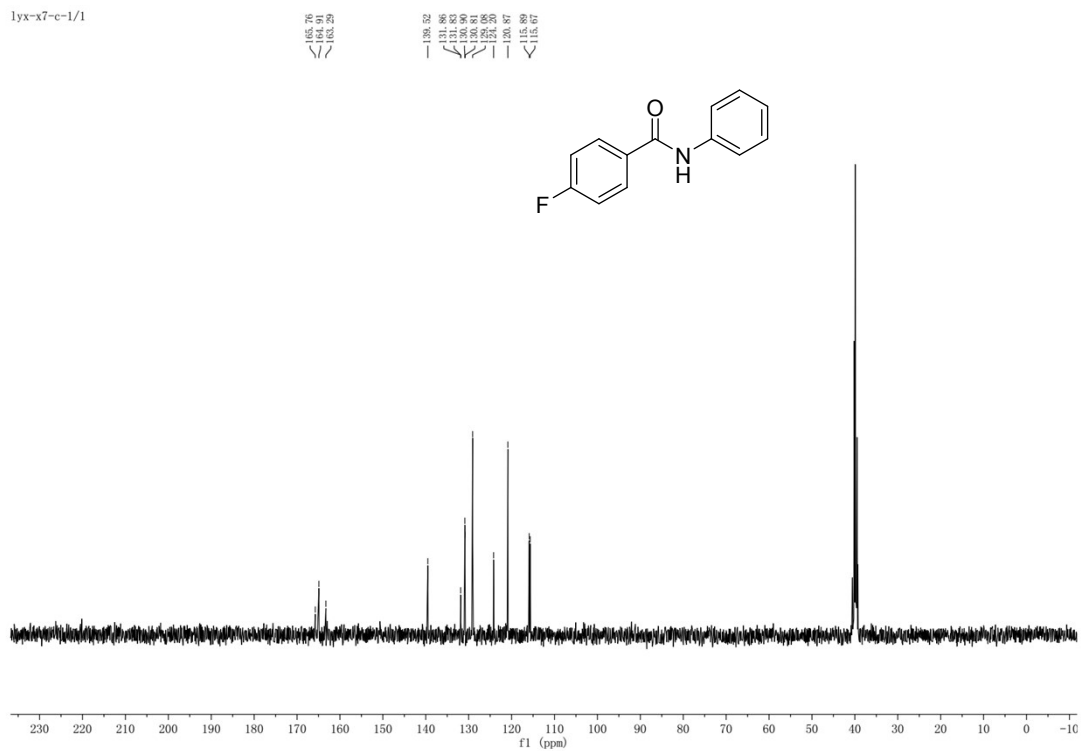


4-fluoro-N-phenylbenzamide (3ag)

lyx-x7-h-17/2

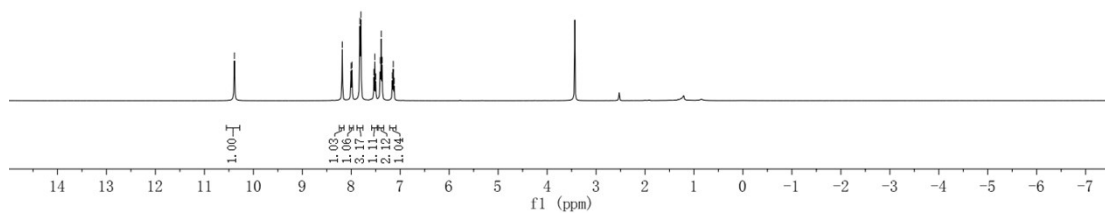
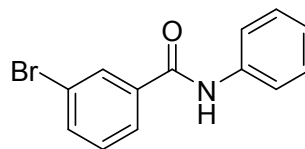
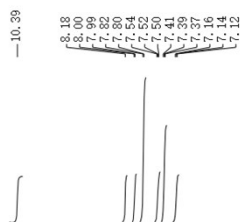


lyx-x7-c-1/1

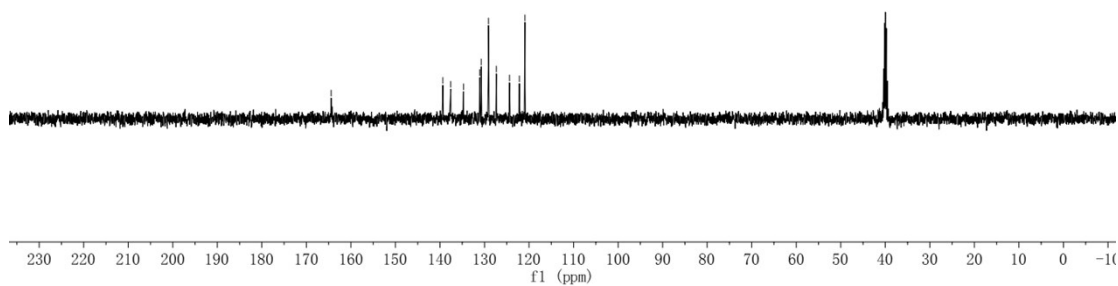
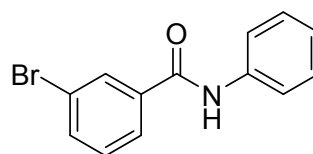


3-bromo-N-phenylbenzamide (3ah)

lyx-x10-h-19/1

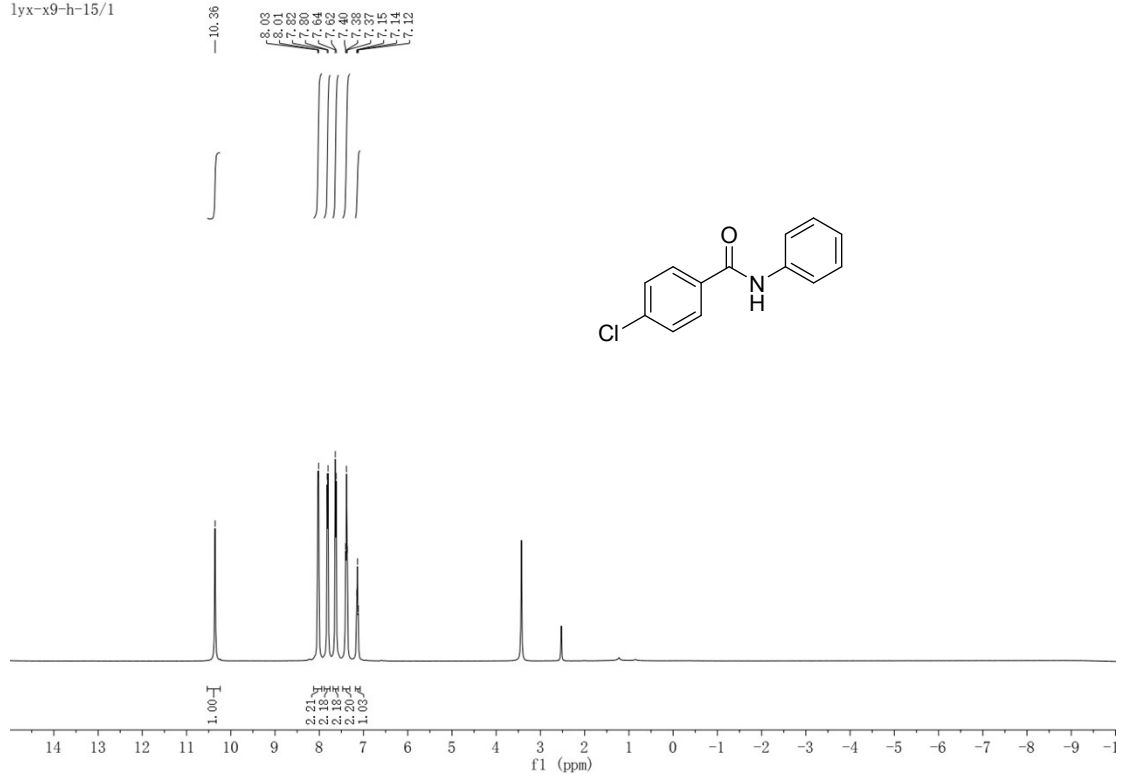


lyx-x10-c/10

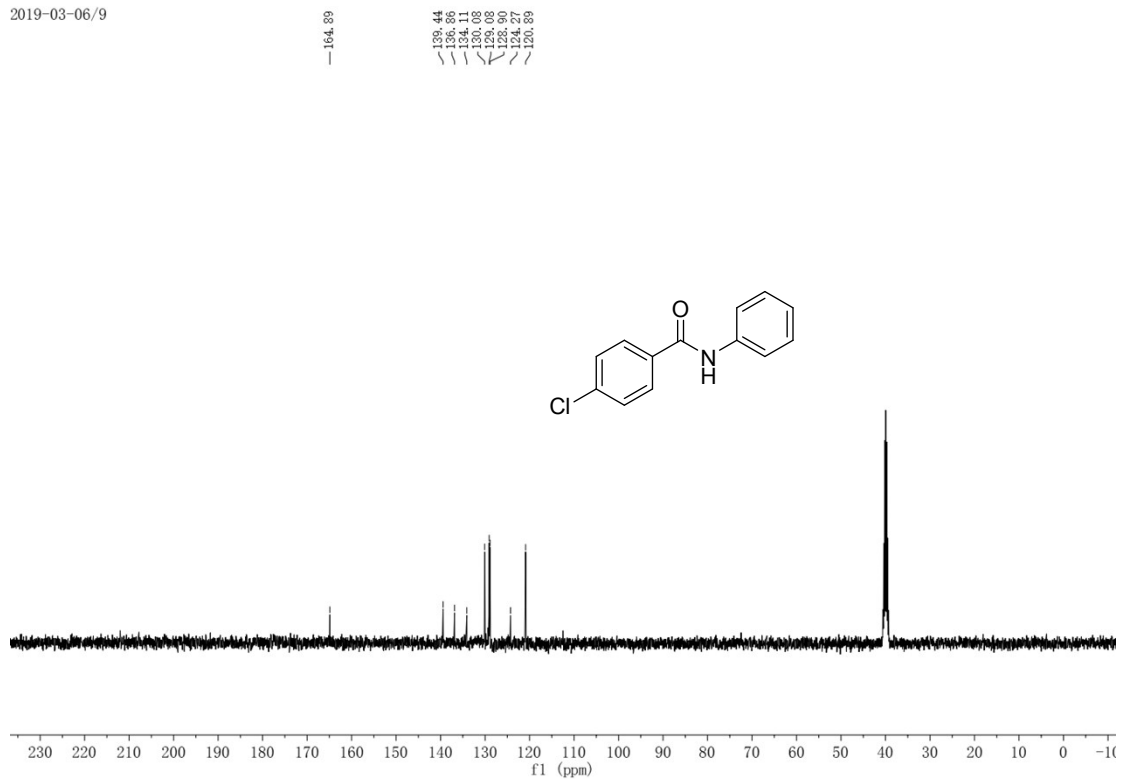


4-chloro-N-phenylbenzamide (3ai)

lyx-x9-h-15/1

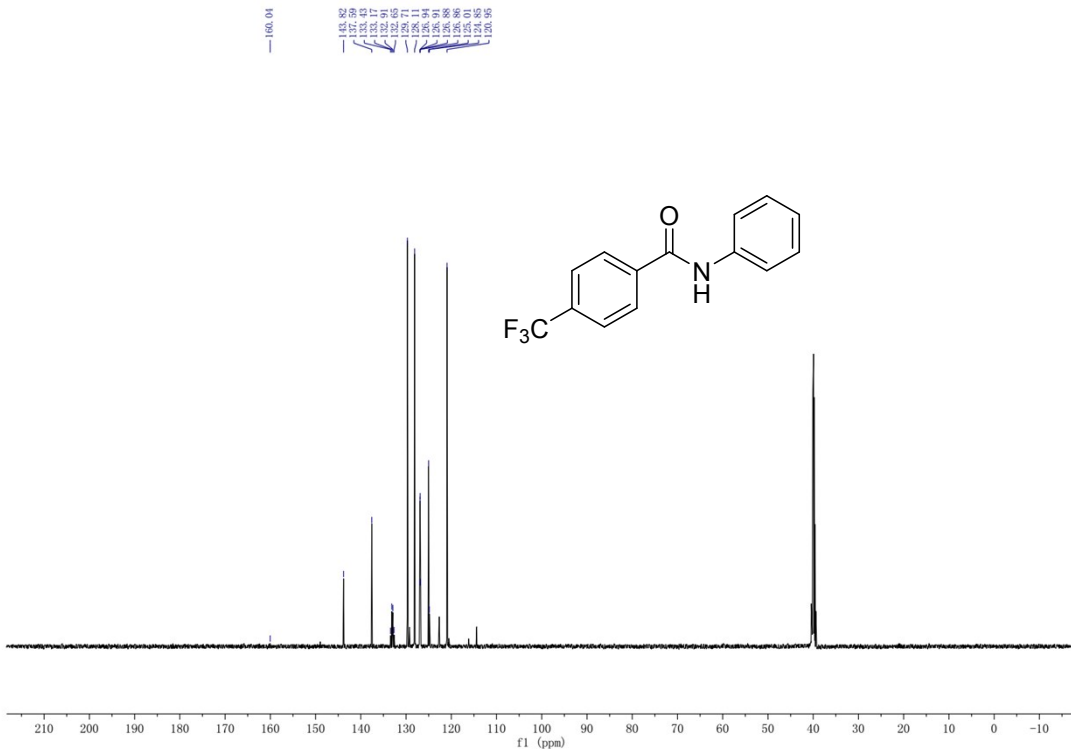
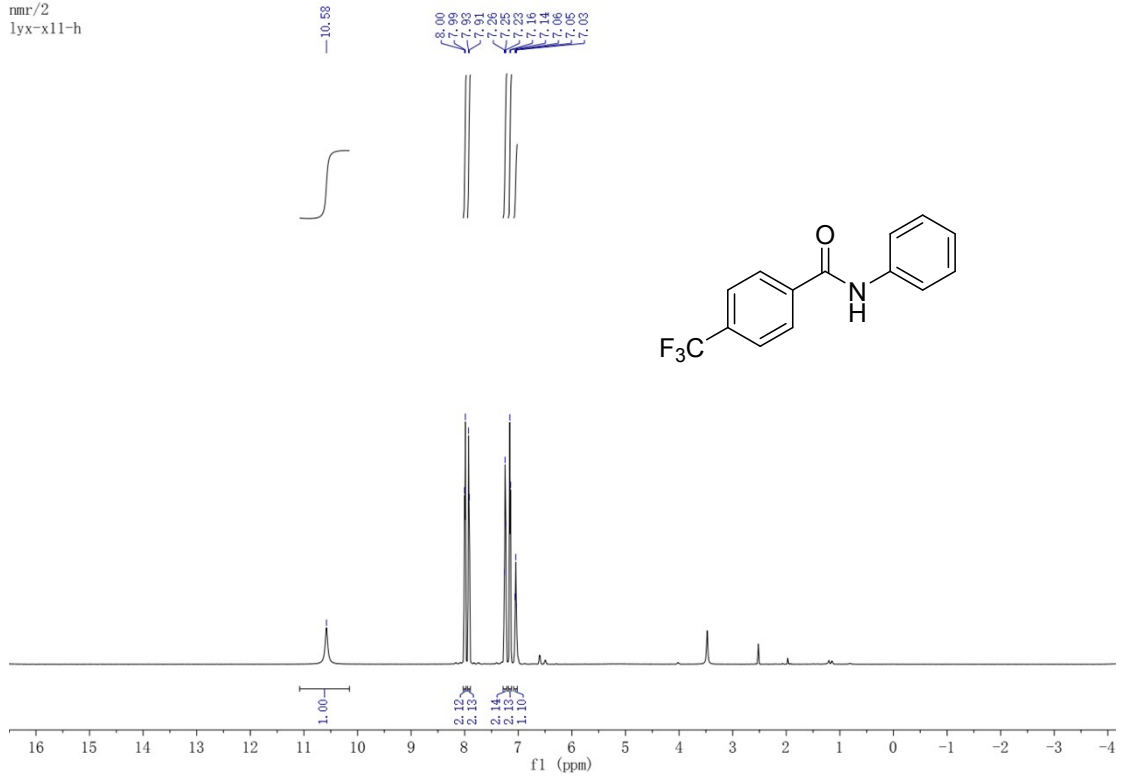


2019-03-06/9



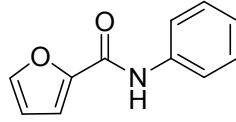
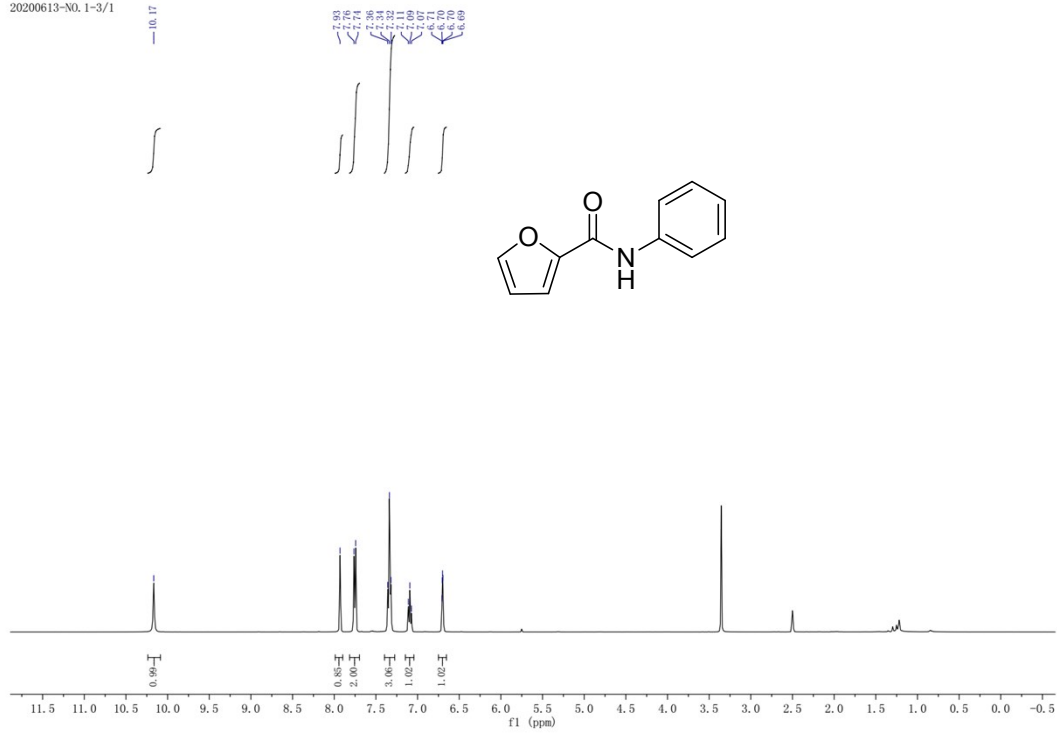
N-phenyl-4-(trifluoromethyl)benzamide (**3aj**)

nmr/2
lyx-x11-h

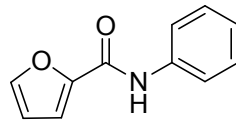
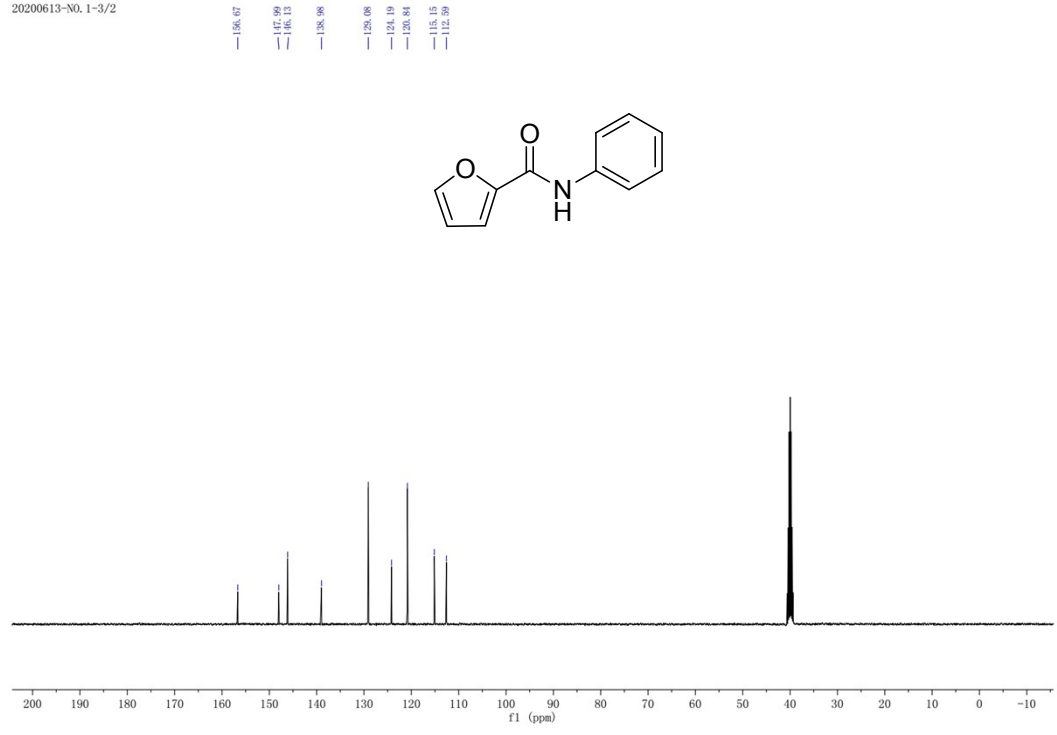


N-phenylfuran-2-carboxamide (3ak)

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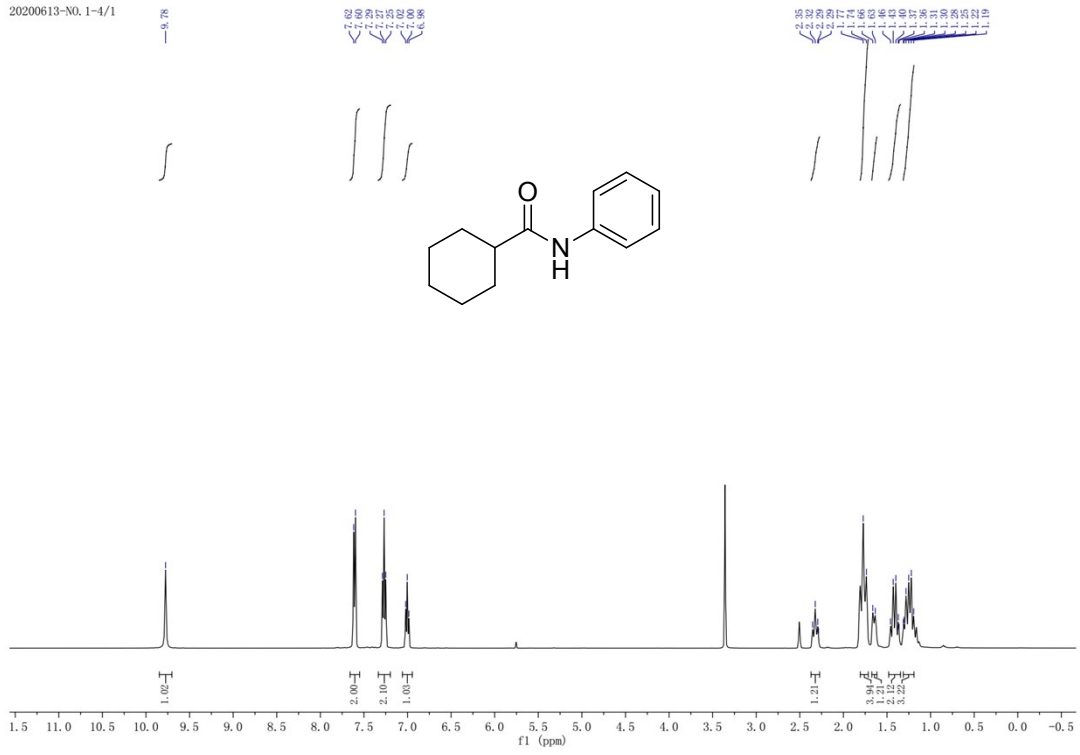


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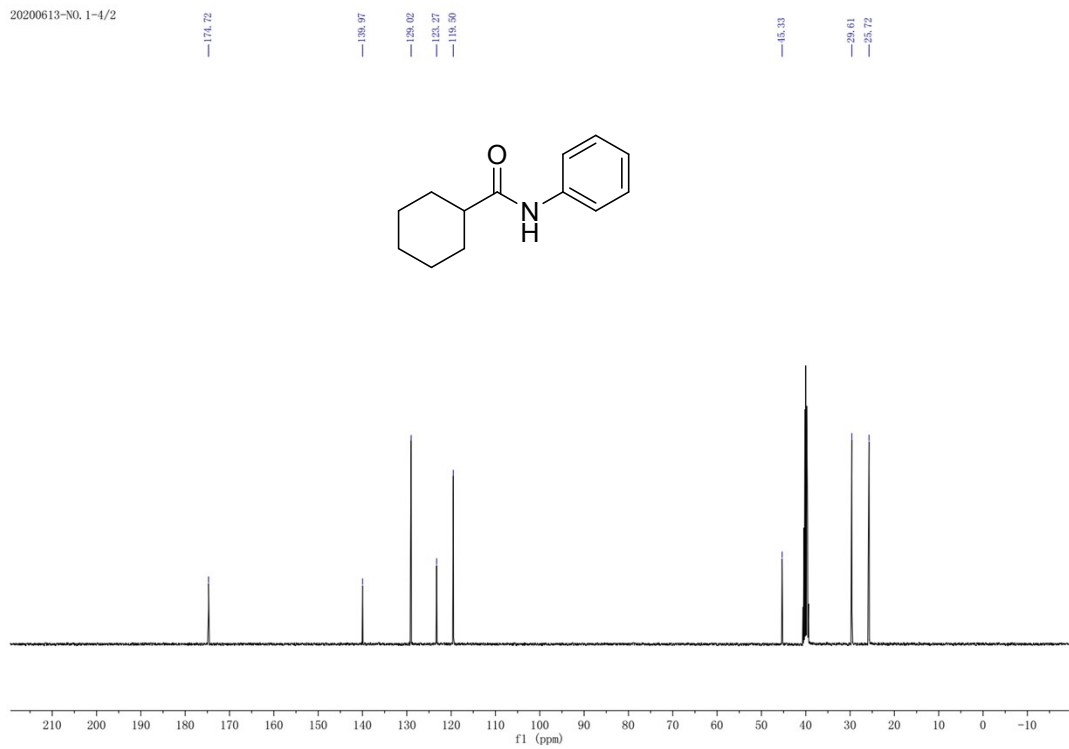


N-phenylcyclohexanecarboxamide (3a)

20200613-N0. 1-4/1

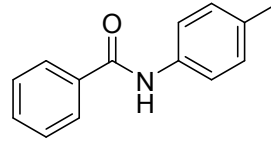
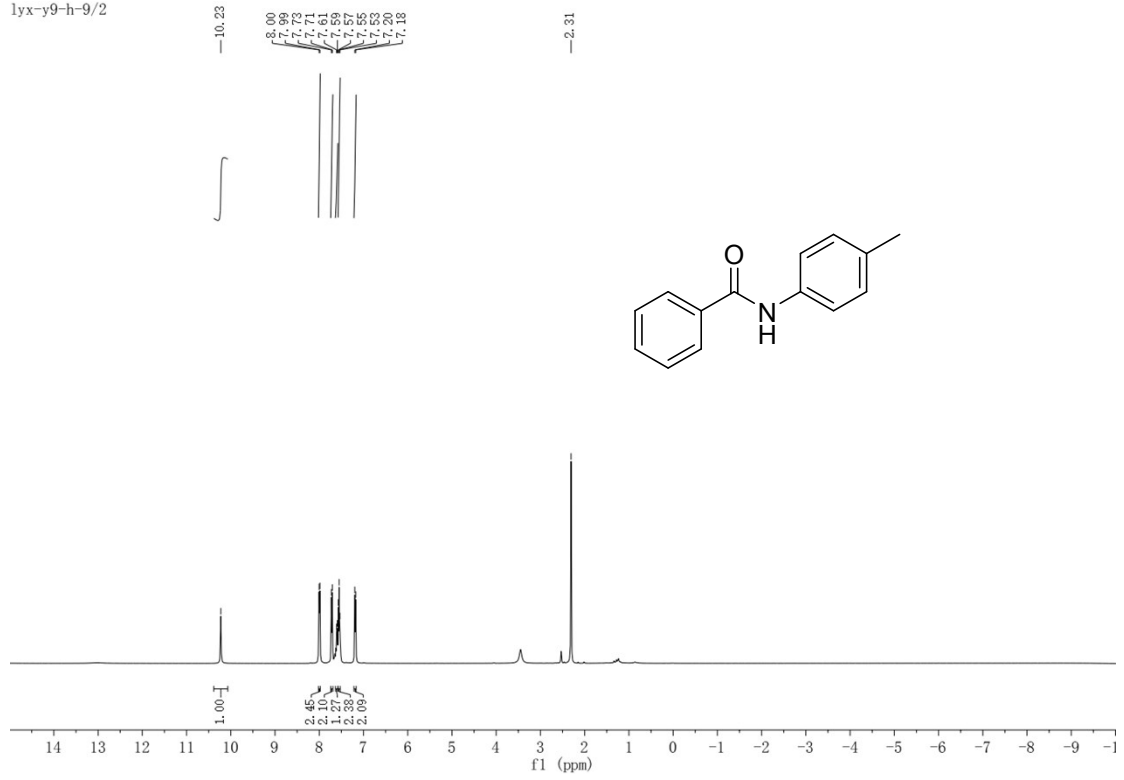


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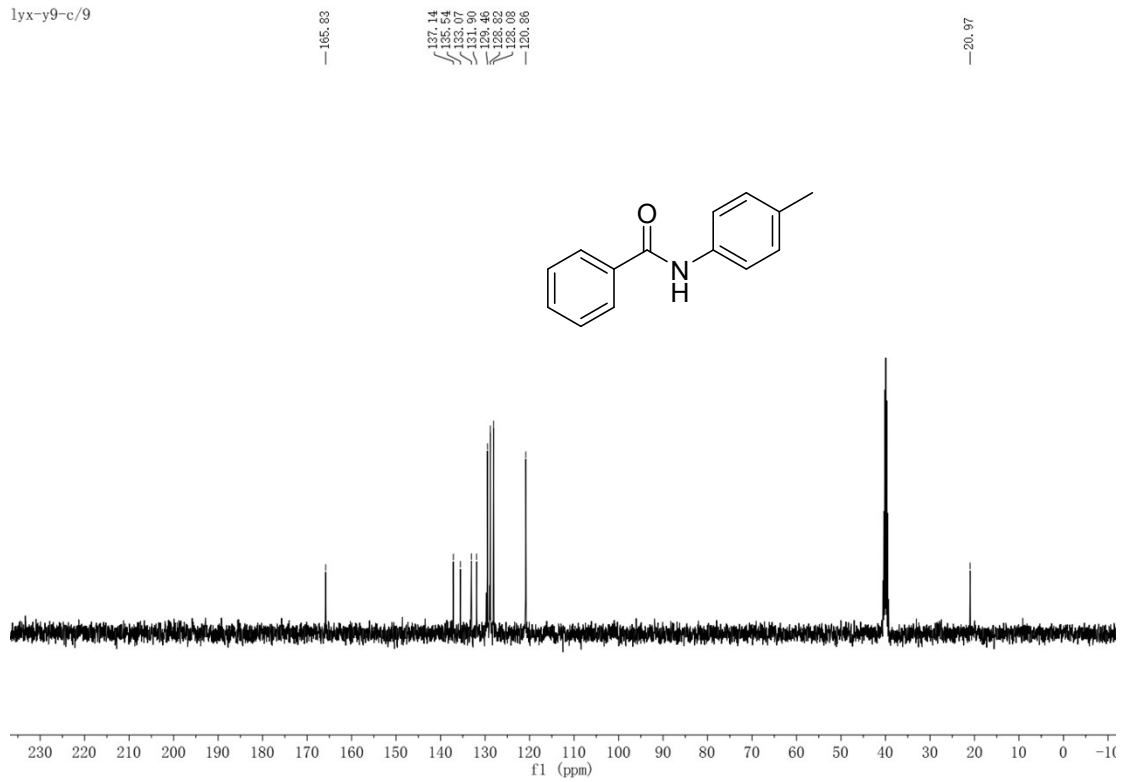


N-(*p*-tolyl)benzamide (**3ba**)

lyx-y9-h-9/2

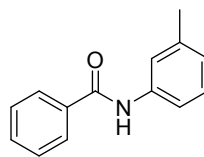
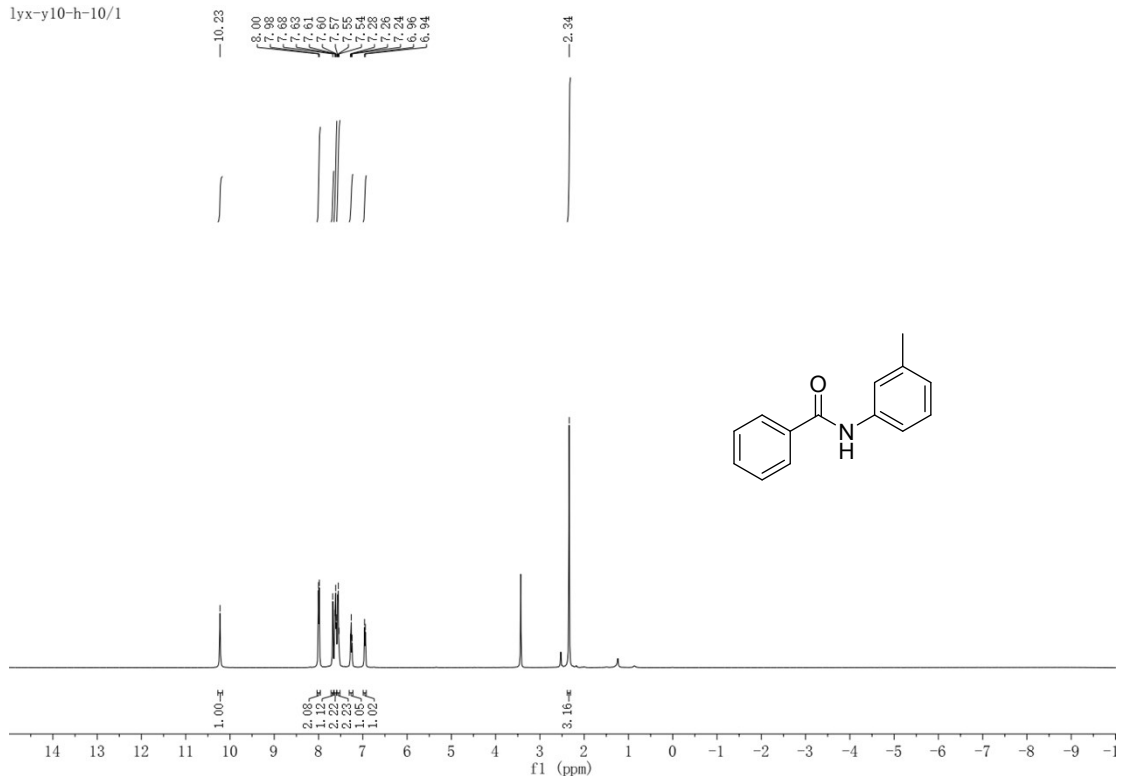


lyx-y9-c/9

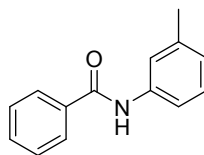
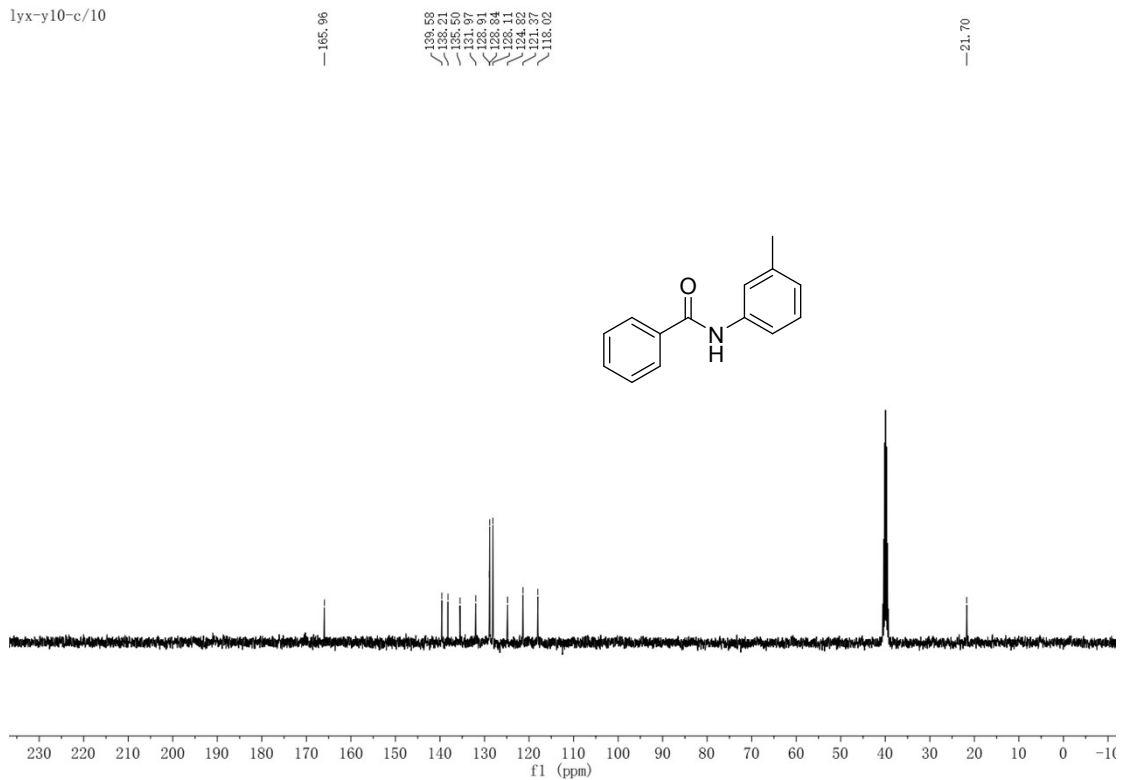


N-(*m*-tolyl)benzamide (**3ca**)

lyx-y10-h-10/1

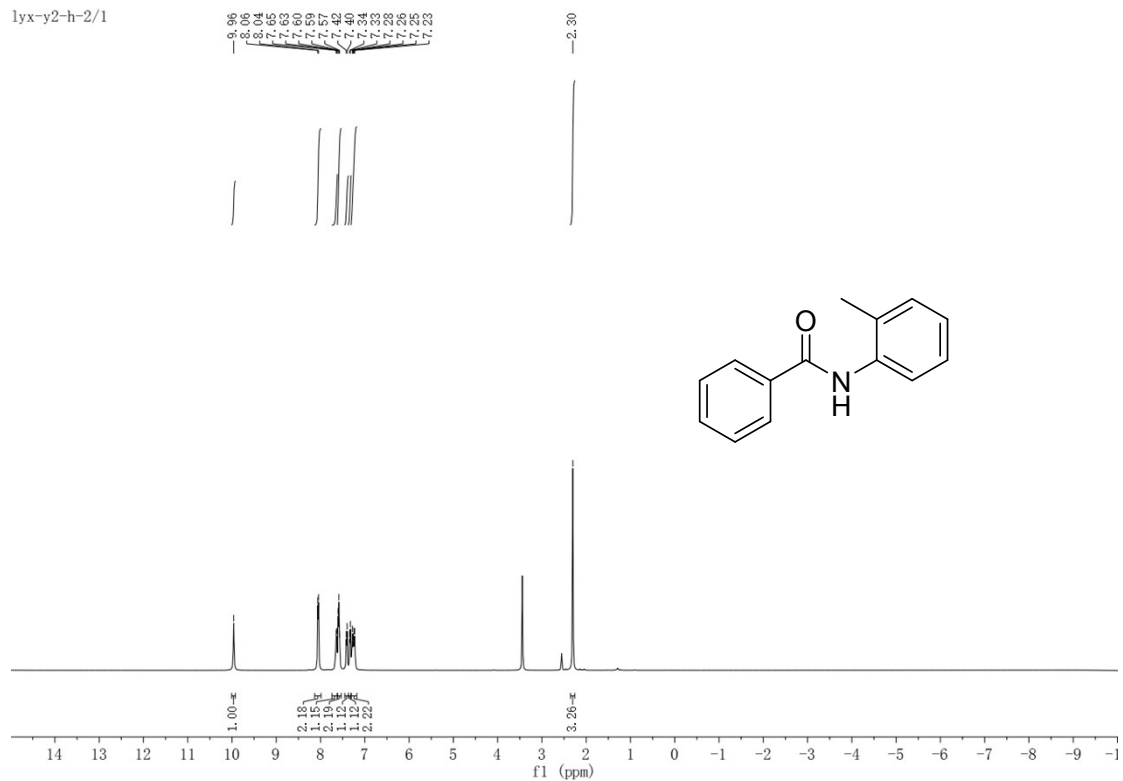


lyx-y10-c/10

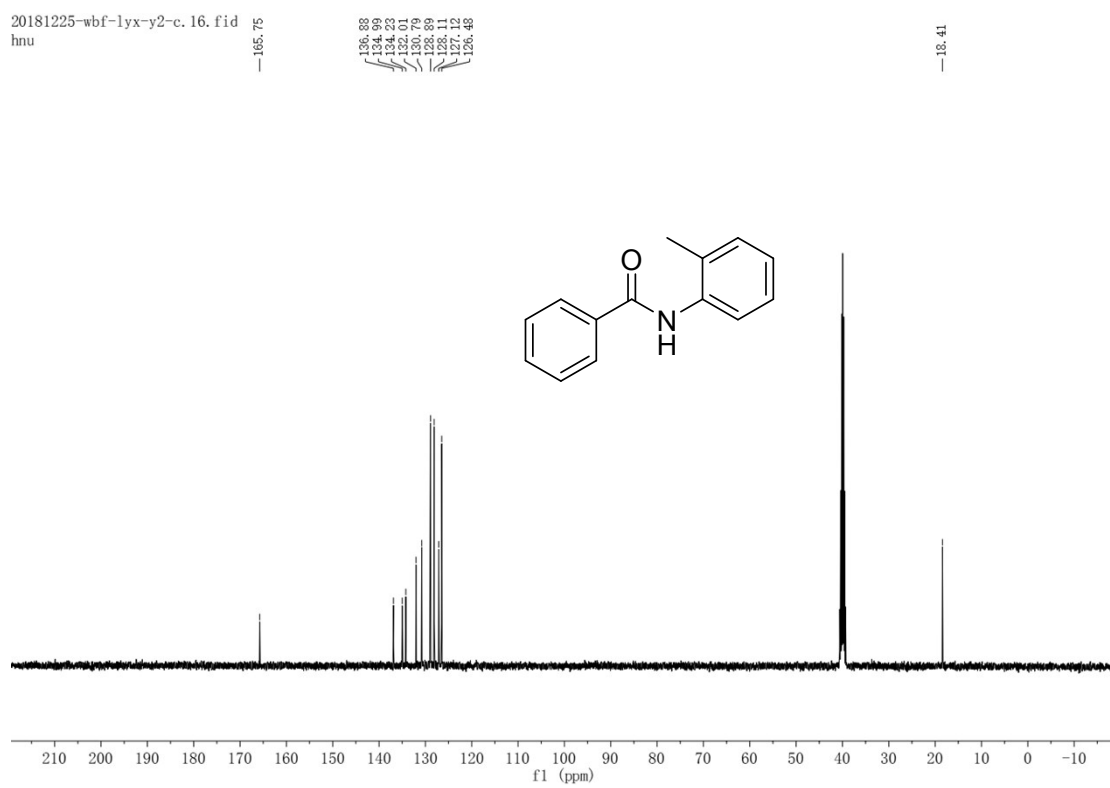


N-(*o*-tolyl)benzamide (3da)

lyx-y2-h-2/1

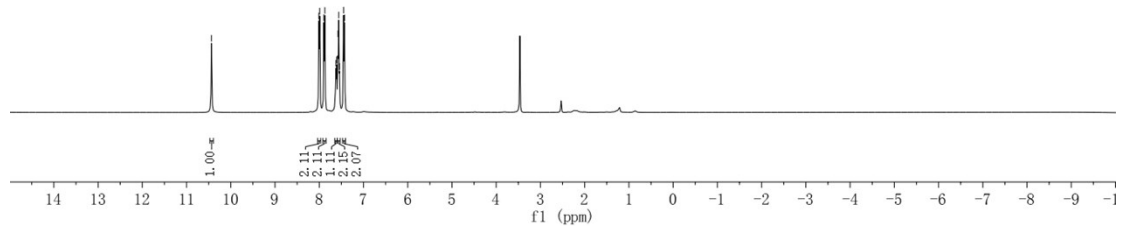
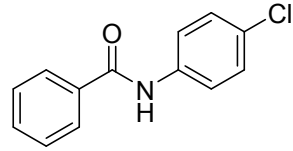
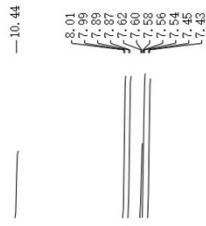


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hnu

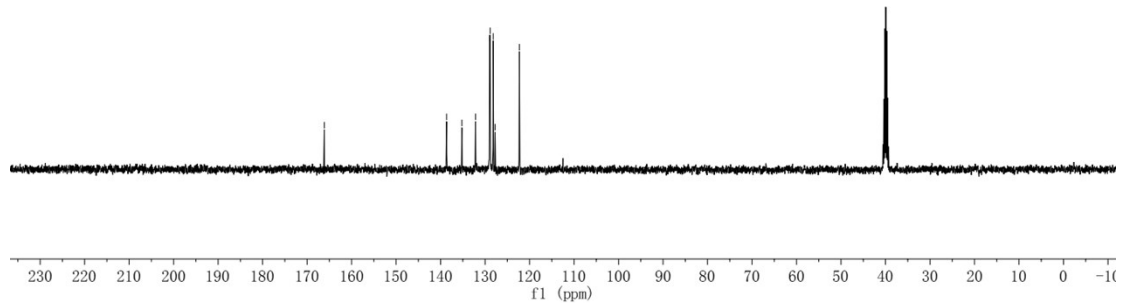
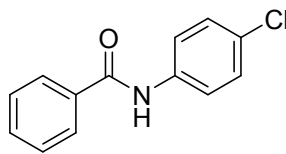
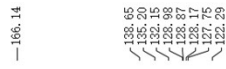


N-(4-chlorophenyl)benzamide (**3ea**)

lyx-y3-h-3/2

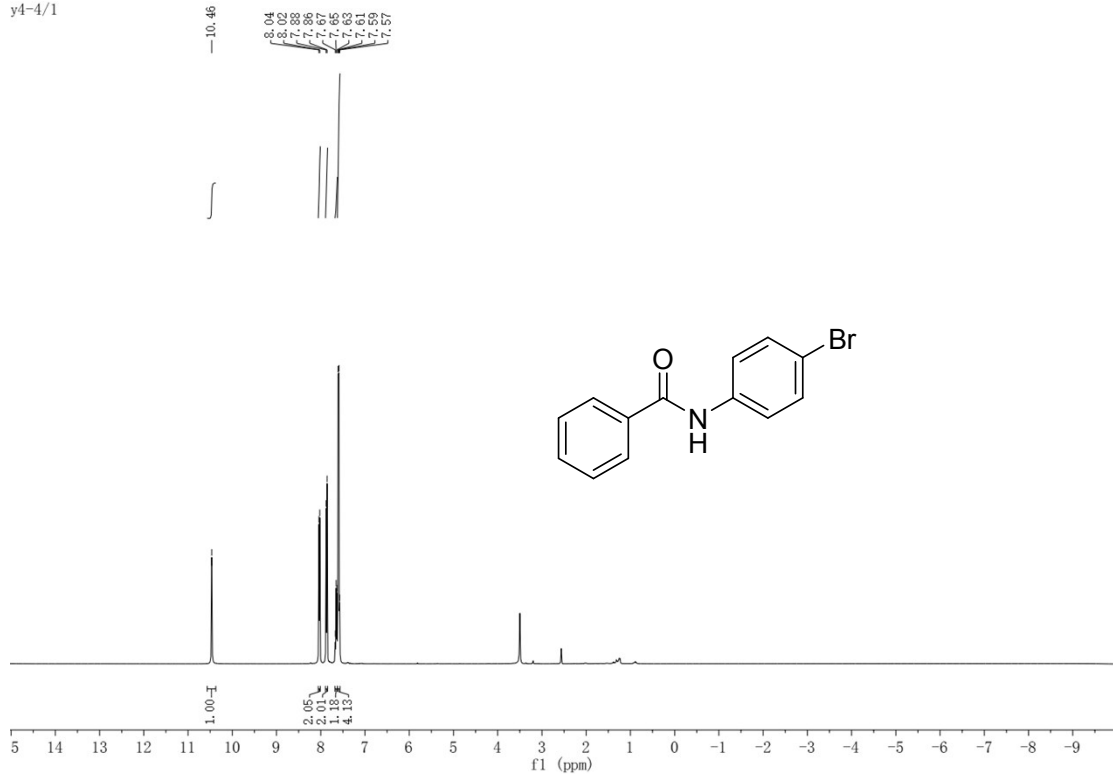


lyx-y3-c/3

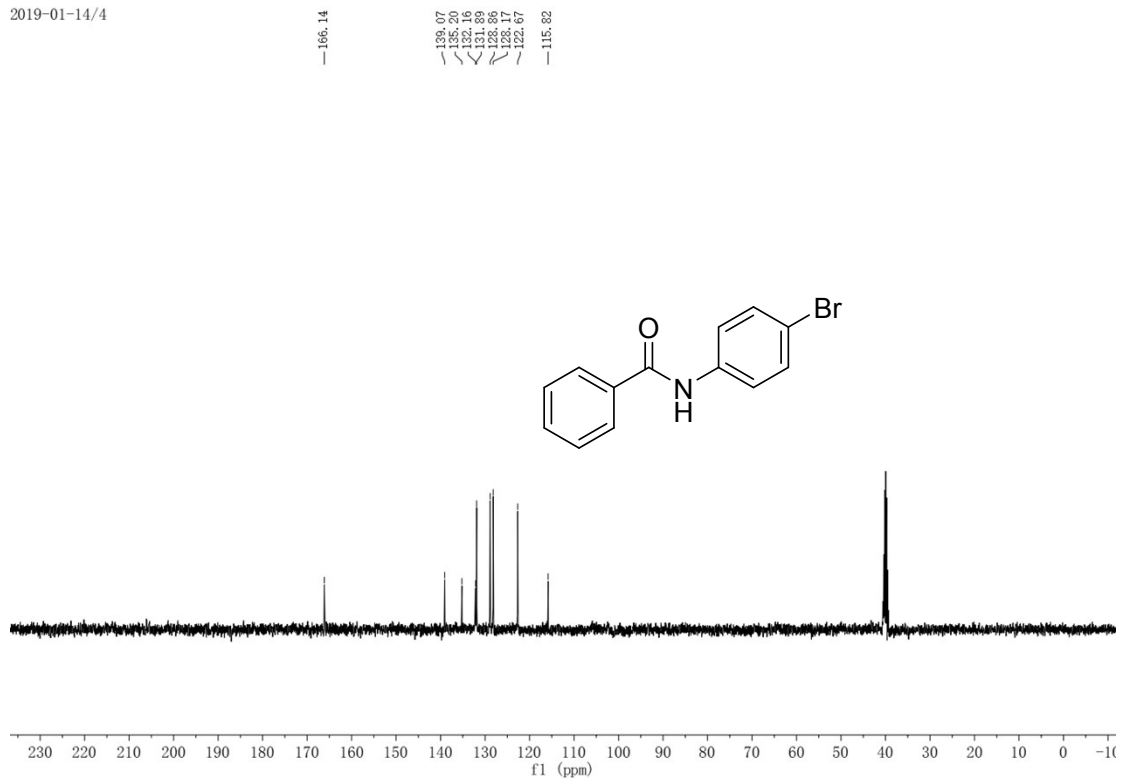


N-(4-bromophenyl)benzamide (**3fa**)

y4-4/1

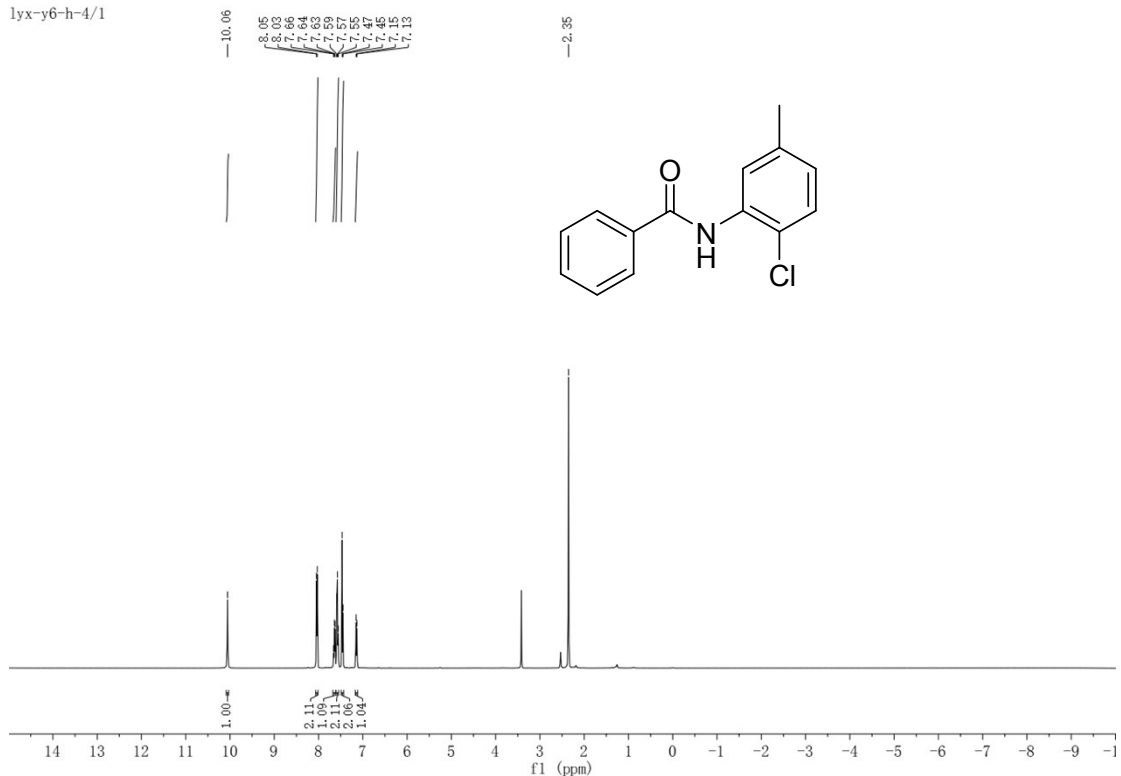


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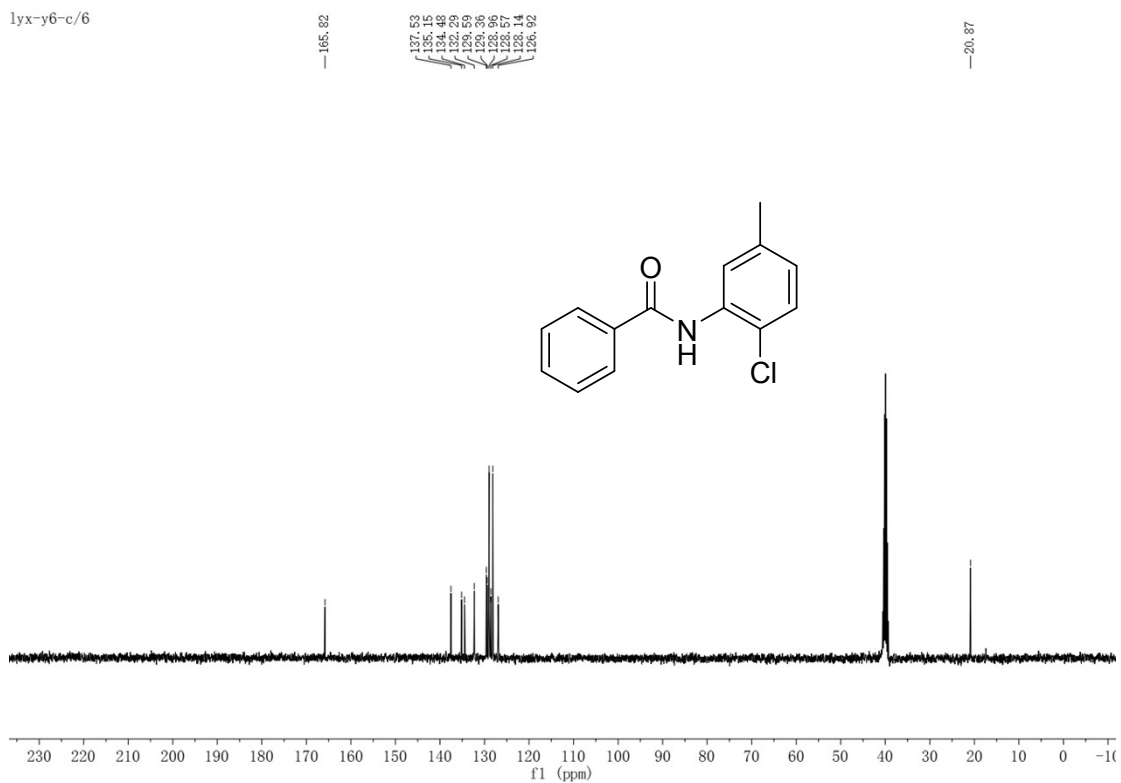


N-(2-chloro-5-methylphenyl)benzamide (**3ga**)

lyx-y6-h-4/1

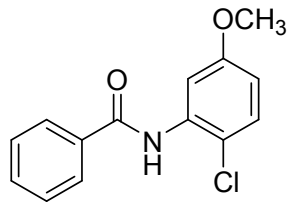
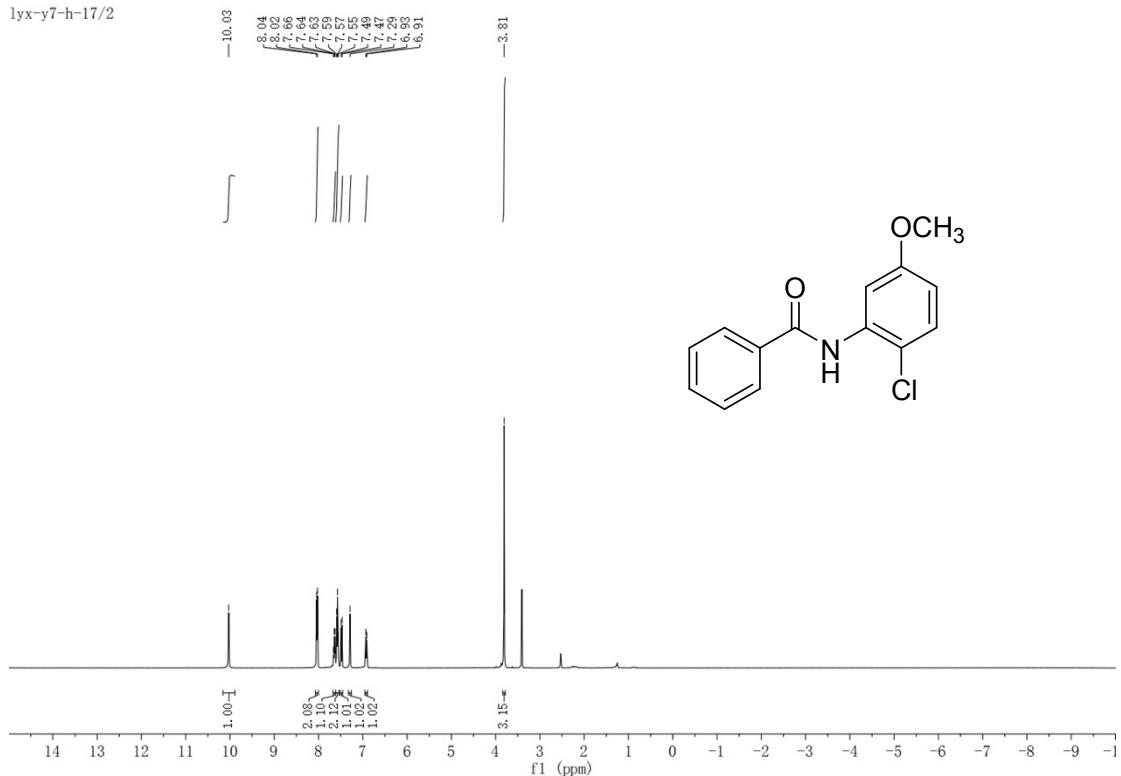


lyx-y6-c/6

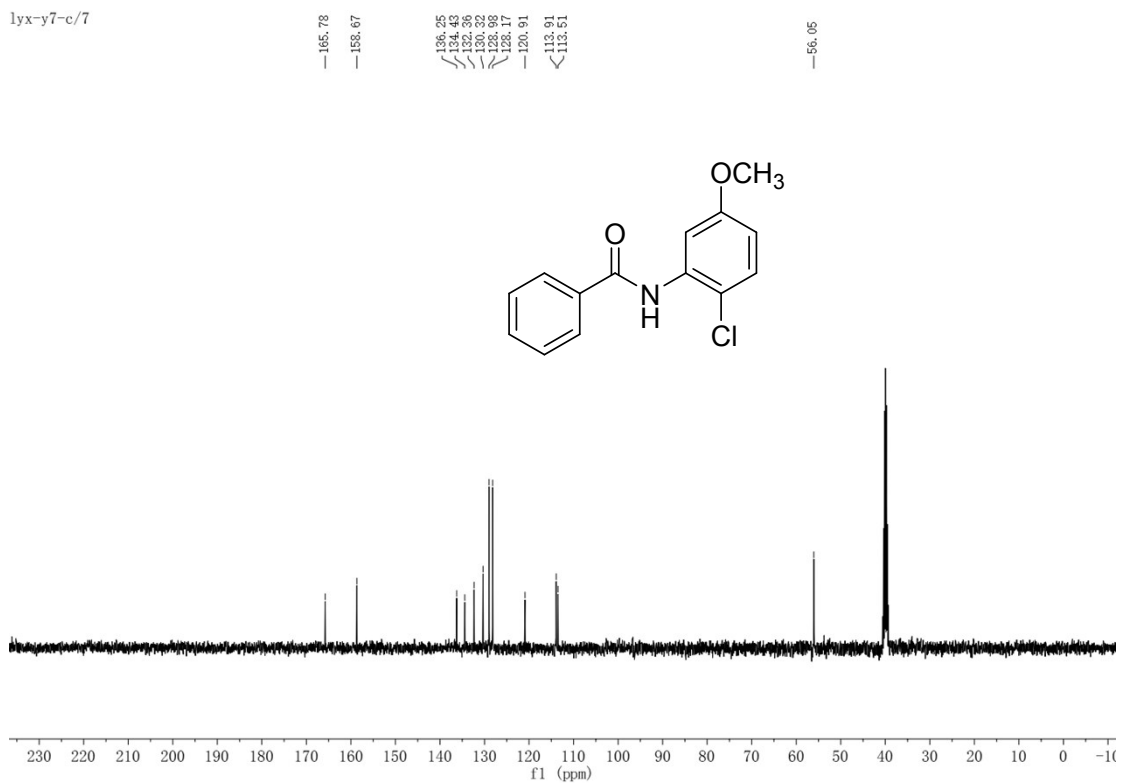


N-(2-chloro-5-methoxyphenyl)benzamide (**3ha**)

lyx-y7-h-17/2

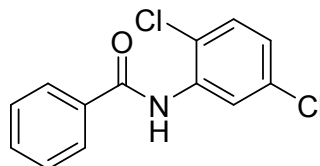
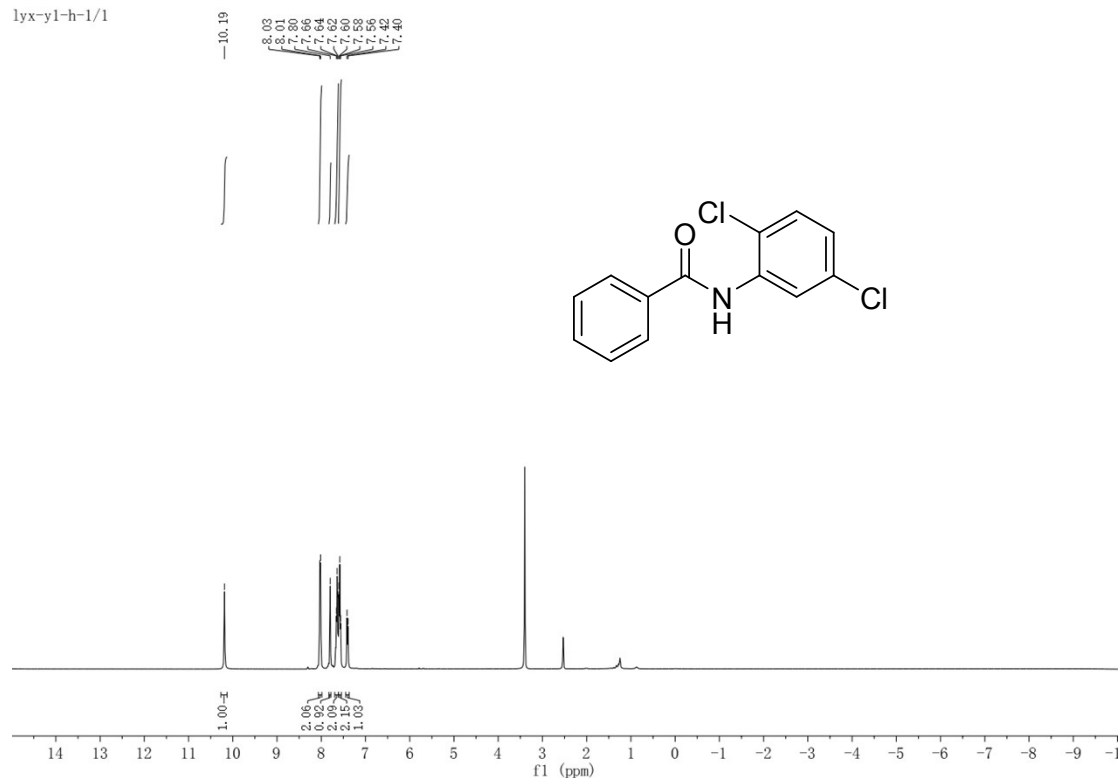


lyx-y7-c/7



N-(2,5-dichlorophenyl)benzamide (**3ia**)

lyx-y1-h-1/1



lyx-y1-c-1/2

