

Electronic Supplementary Information

Nickel-Catalyzed α -Arylation of Ketone with Aryltrimethylammonium Triflates

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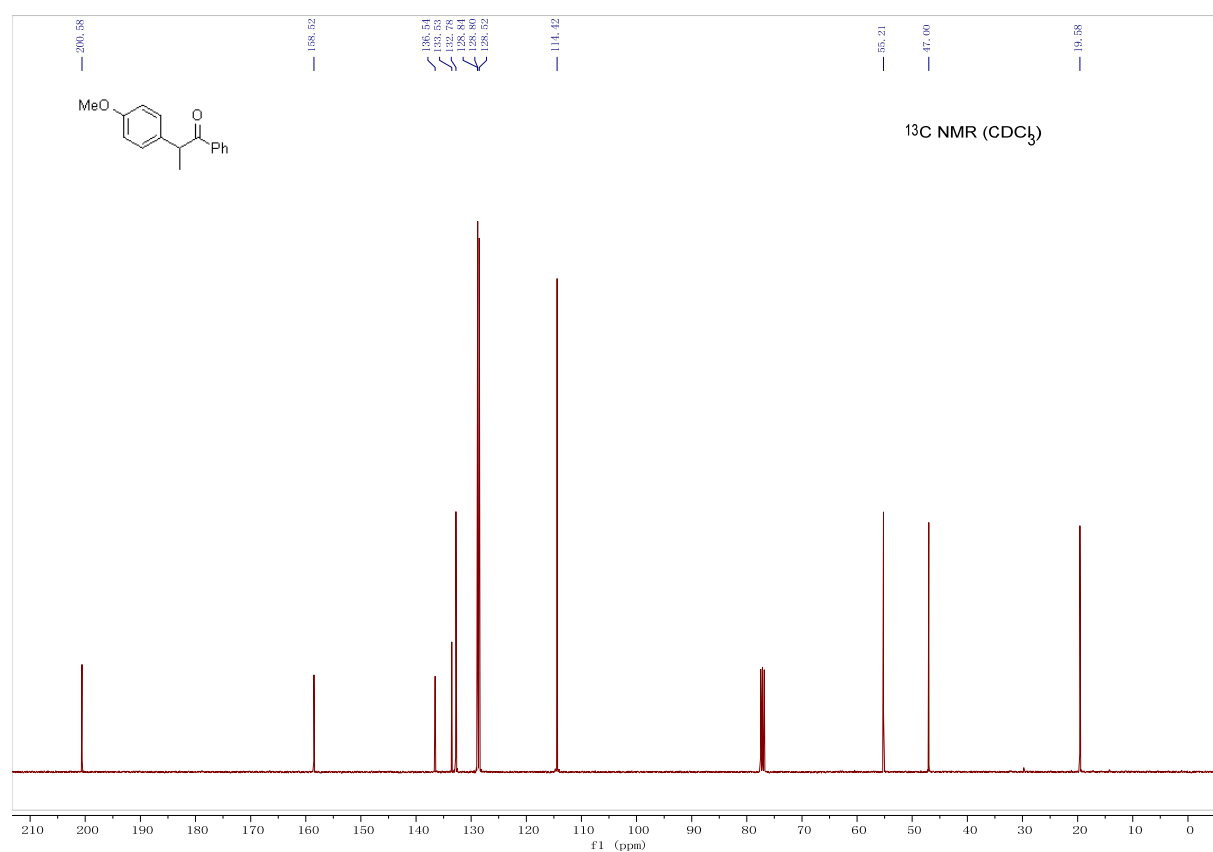
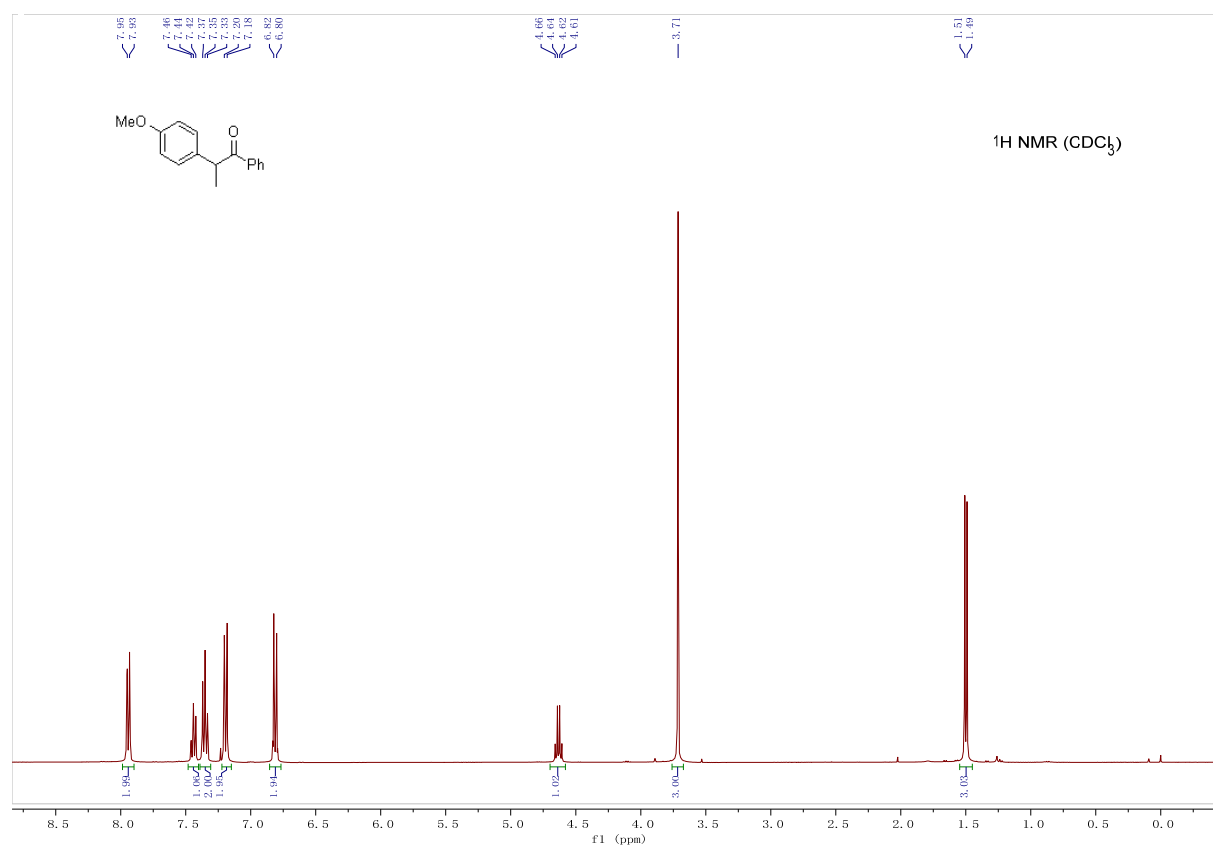
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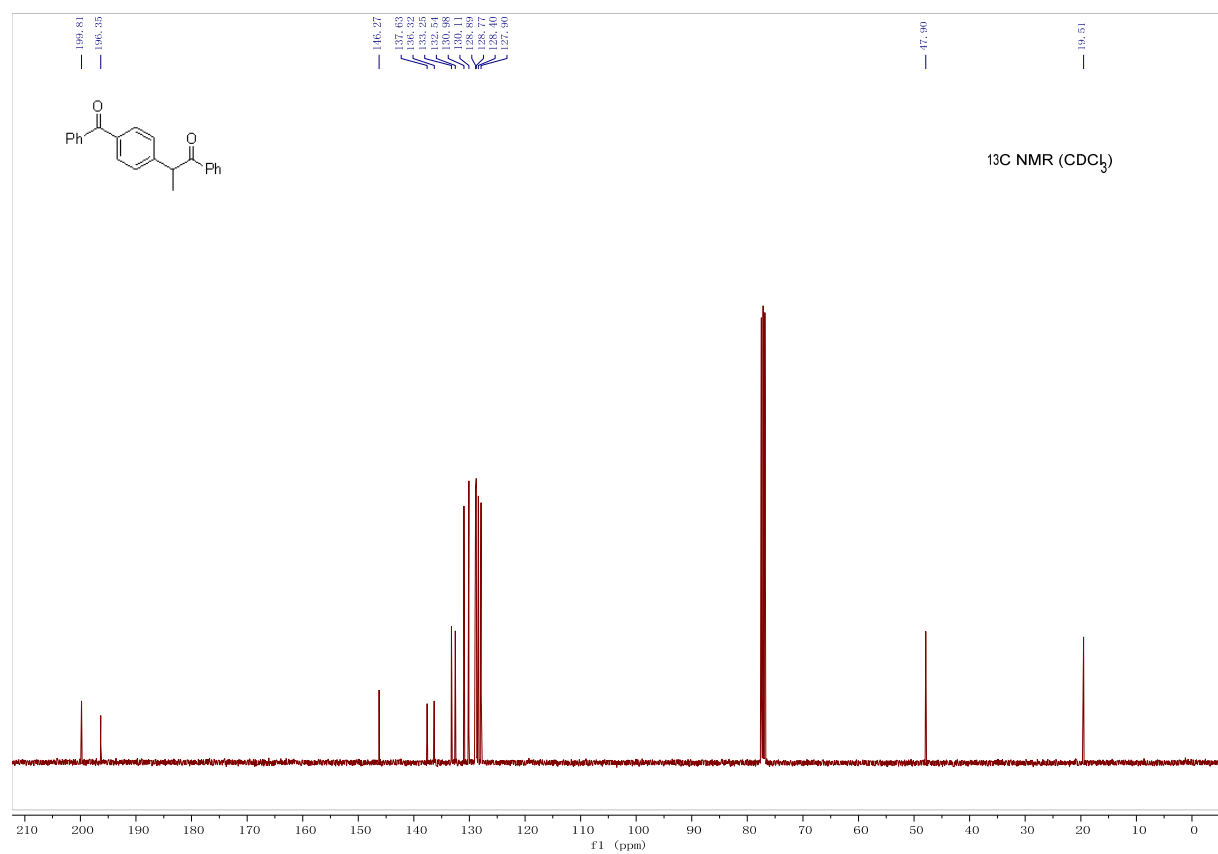
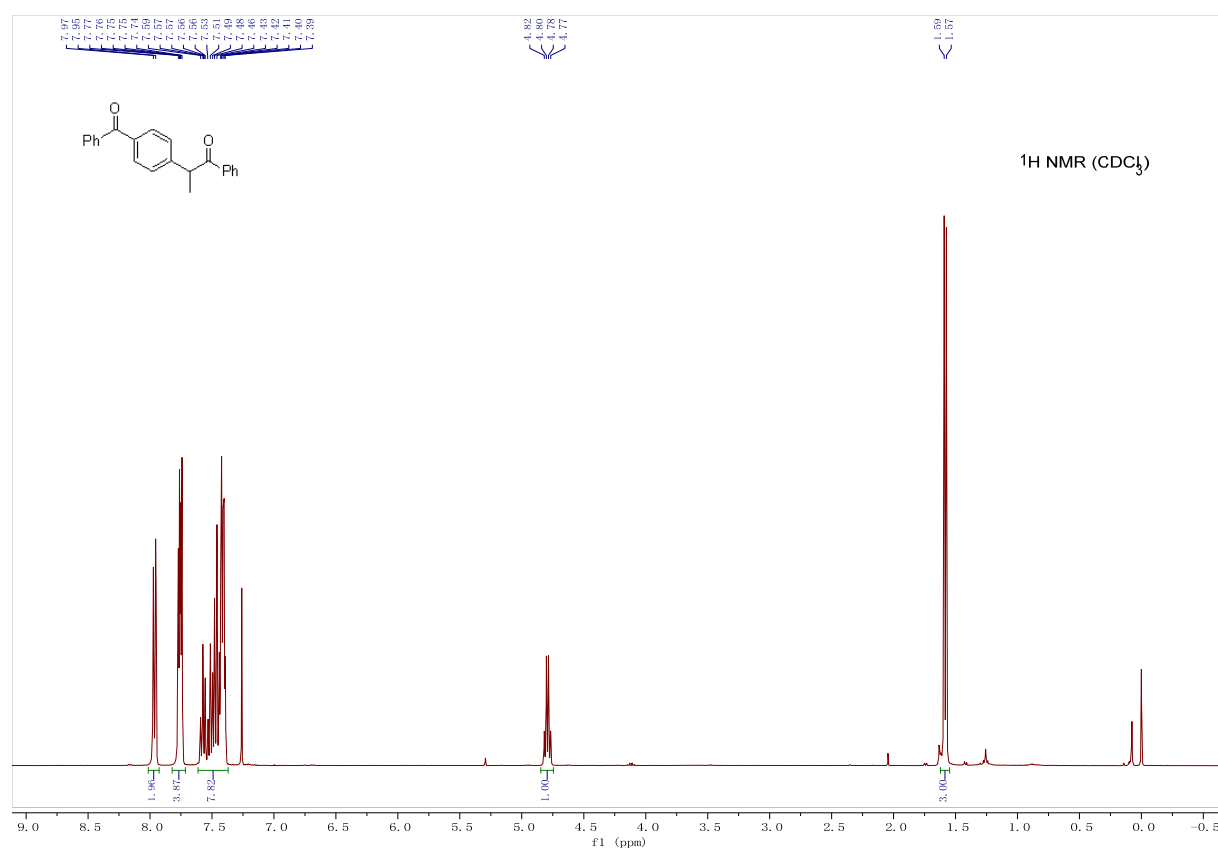
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Copies of ^1H , ^{13}C and ^{19}F NMR spectra and high-resolution mass spectra

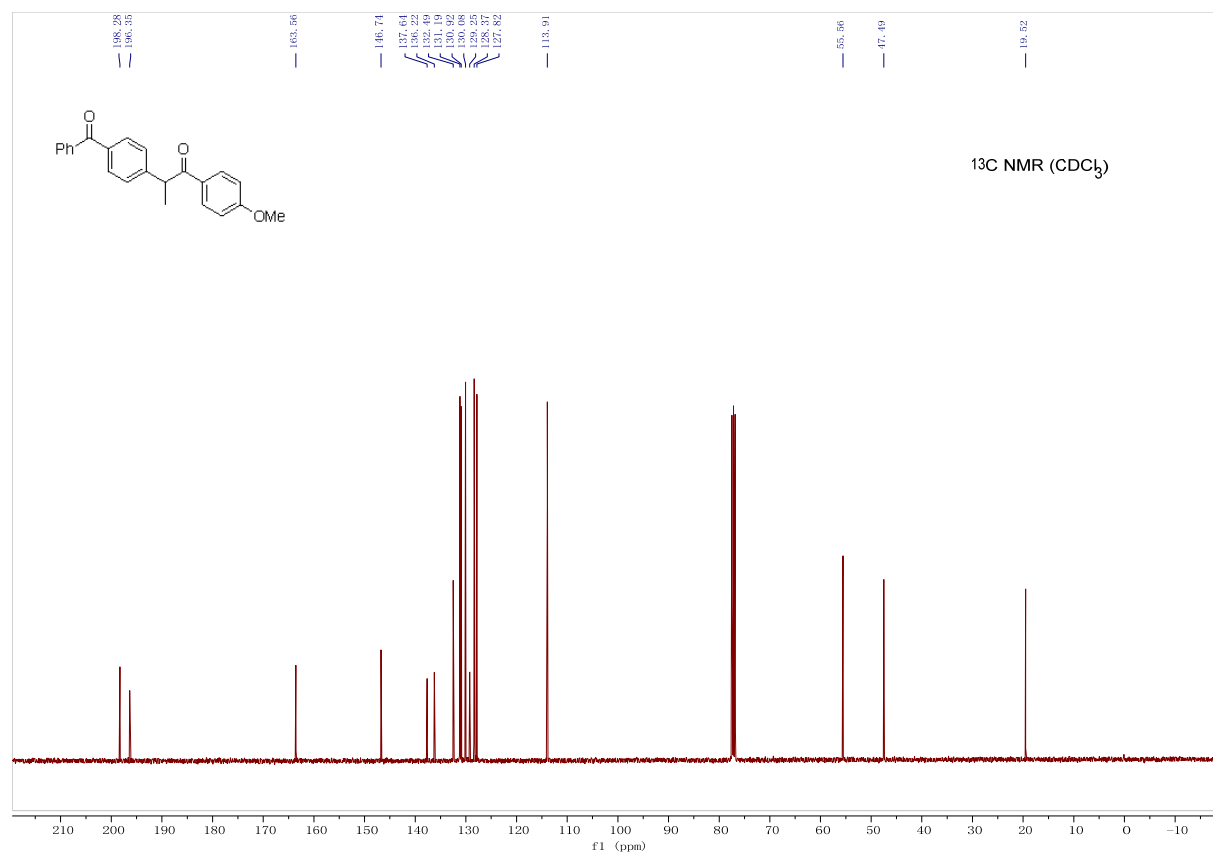
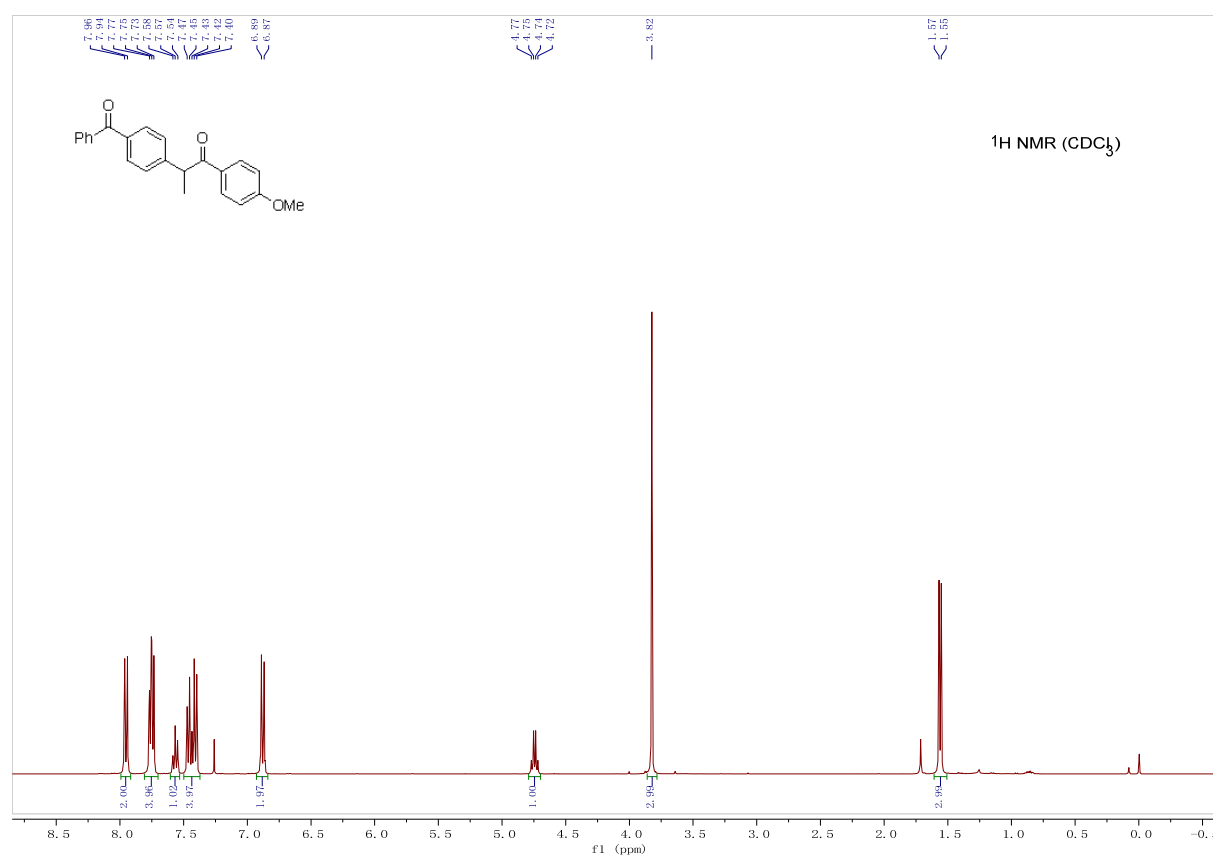
2-(4-methoxyphenyl)-1-phenylpropan-1-one (**3a**)



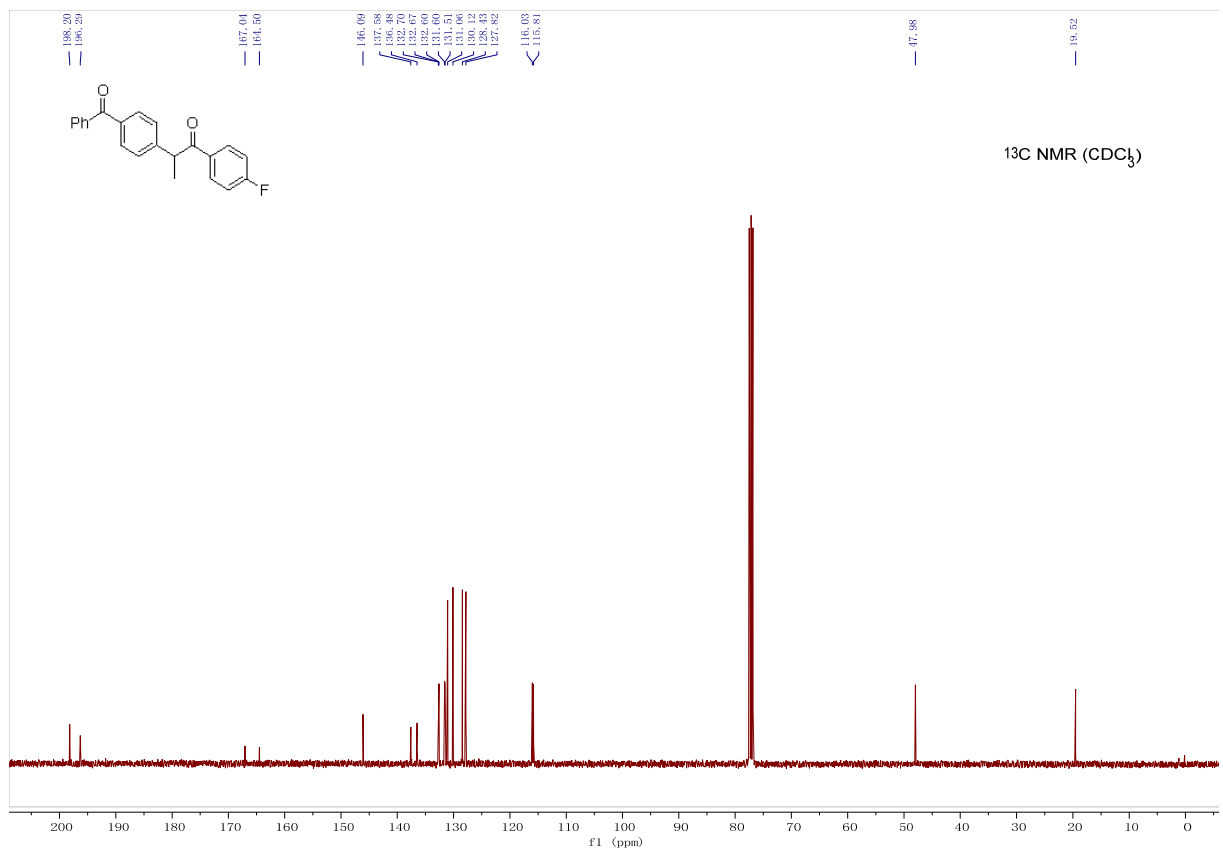
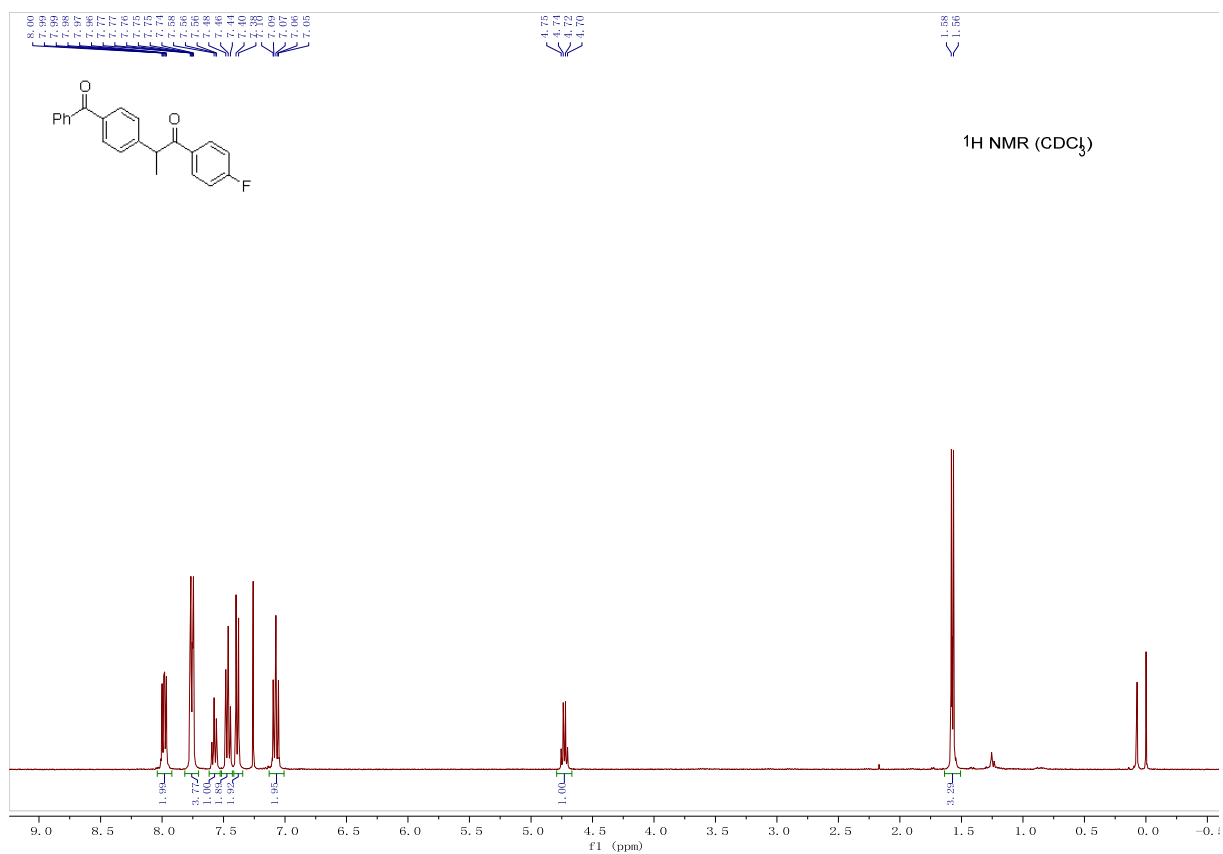
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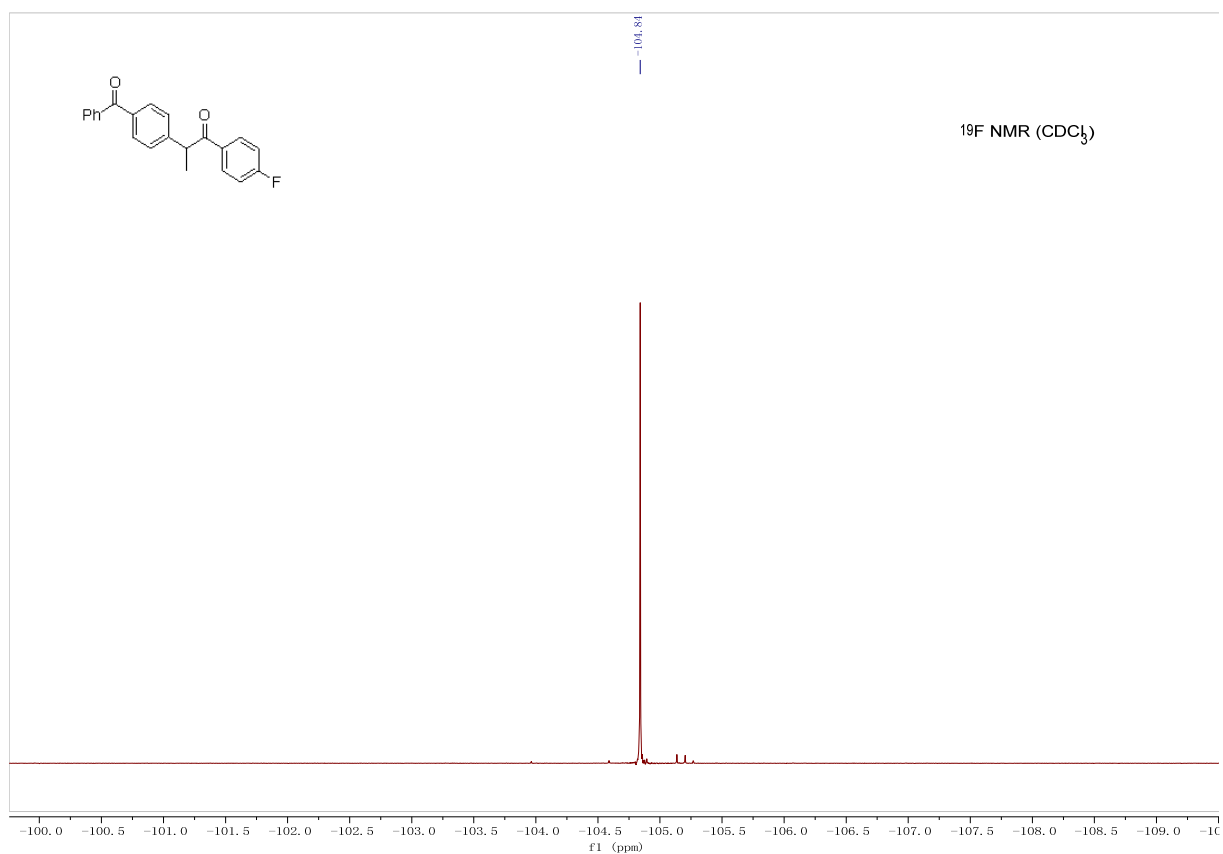


2-(4-benzoylphenyl)-1-(4-methoxyphenyl)propan-1-one (**3c**)

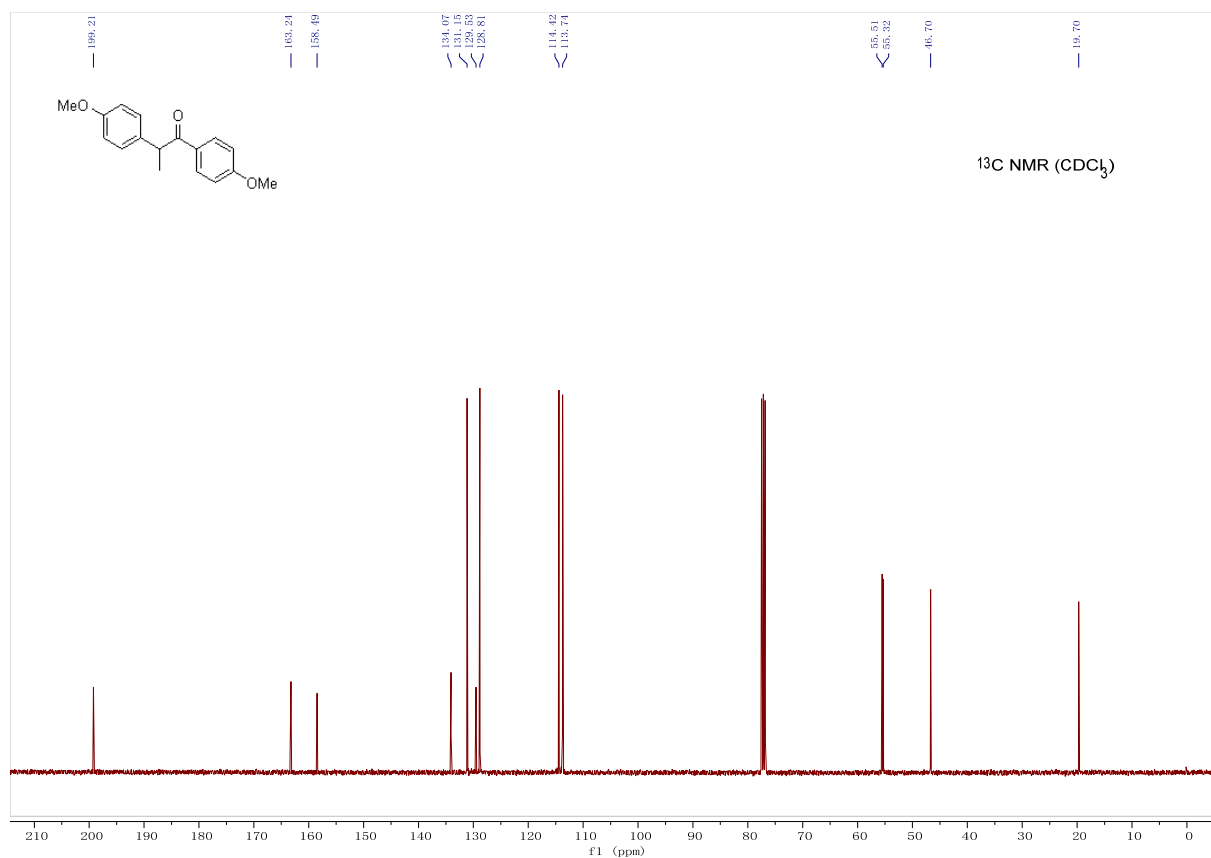
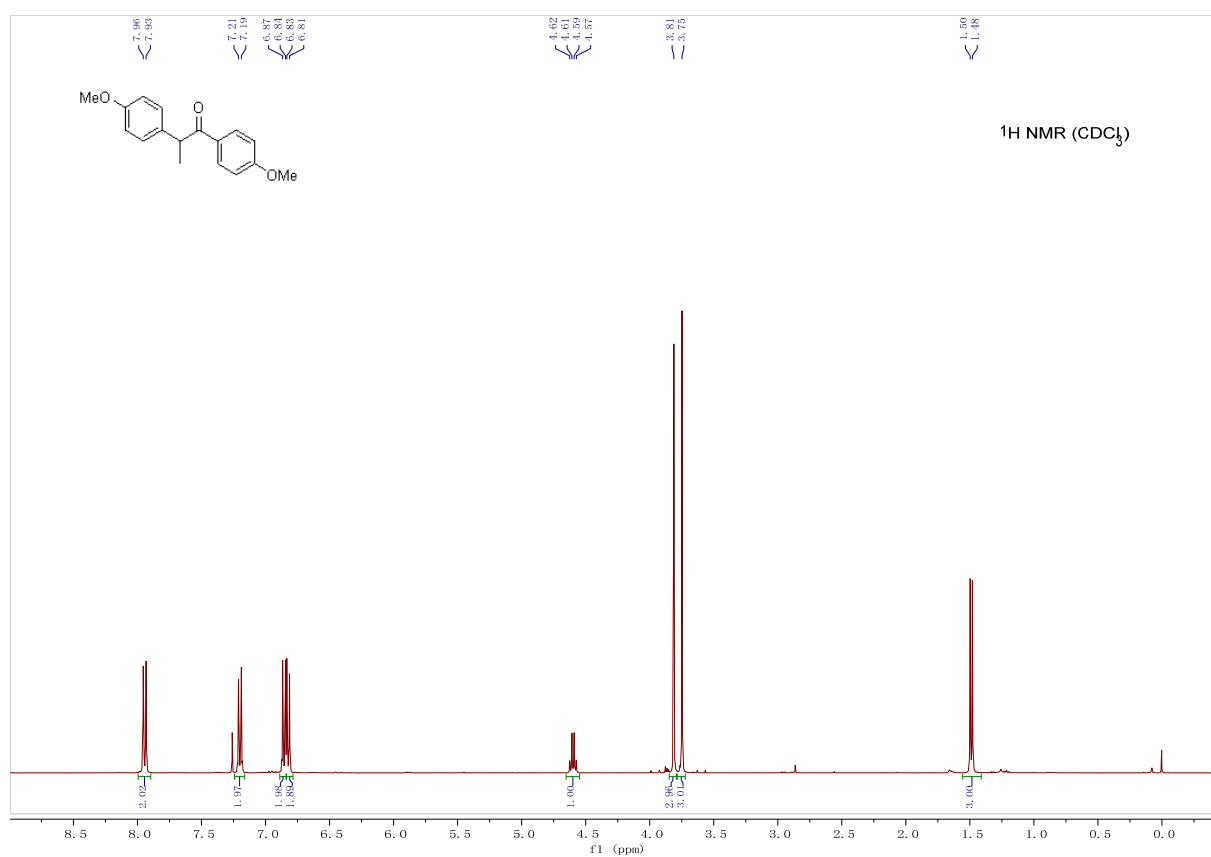


2-(4-benzoylphenyl)-1-(4-fluorophenyl)propan-1-one (**3d**)

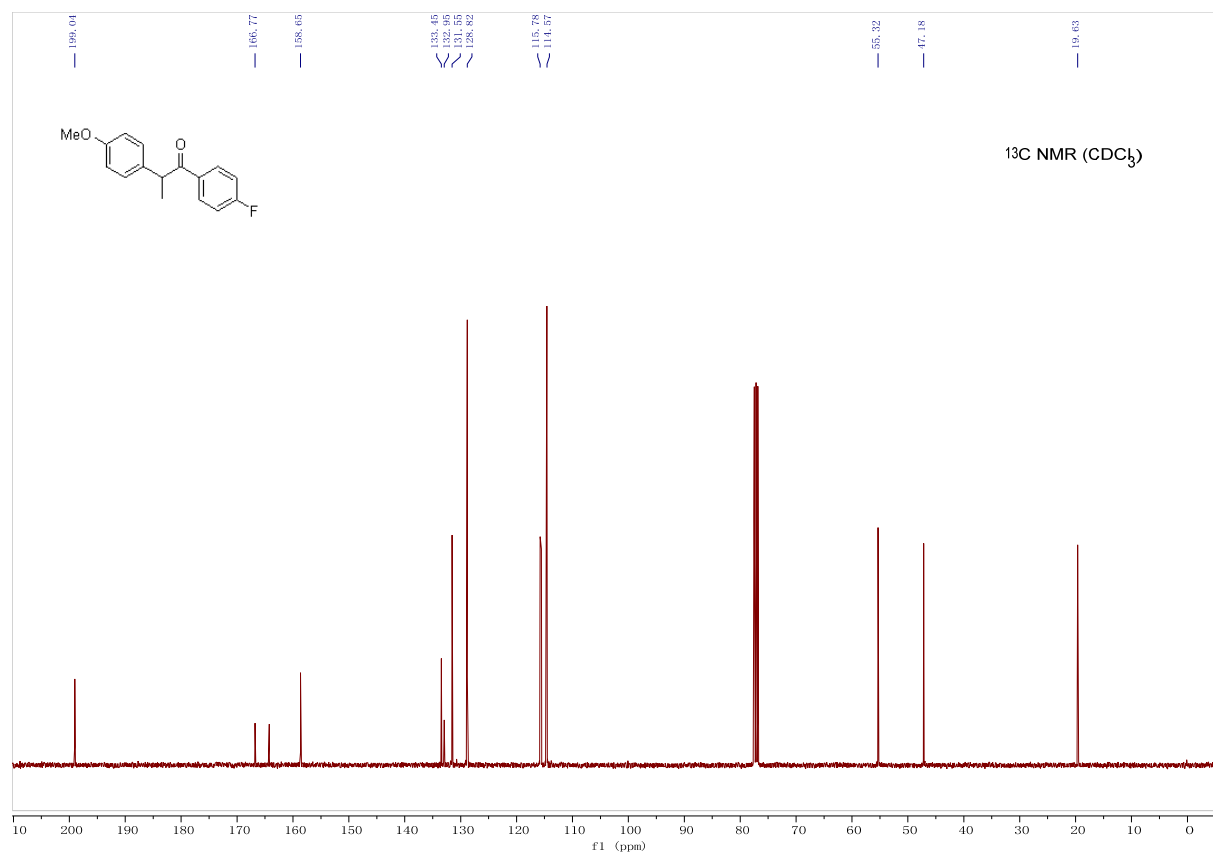
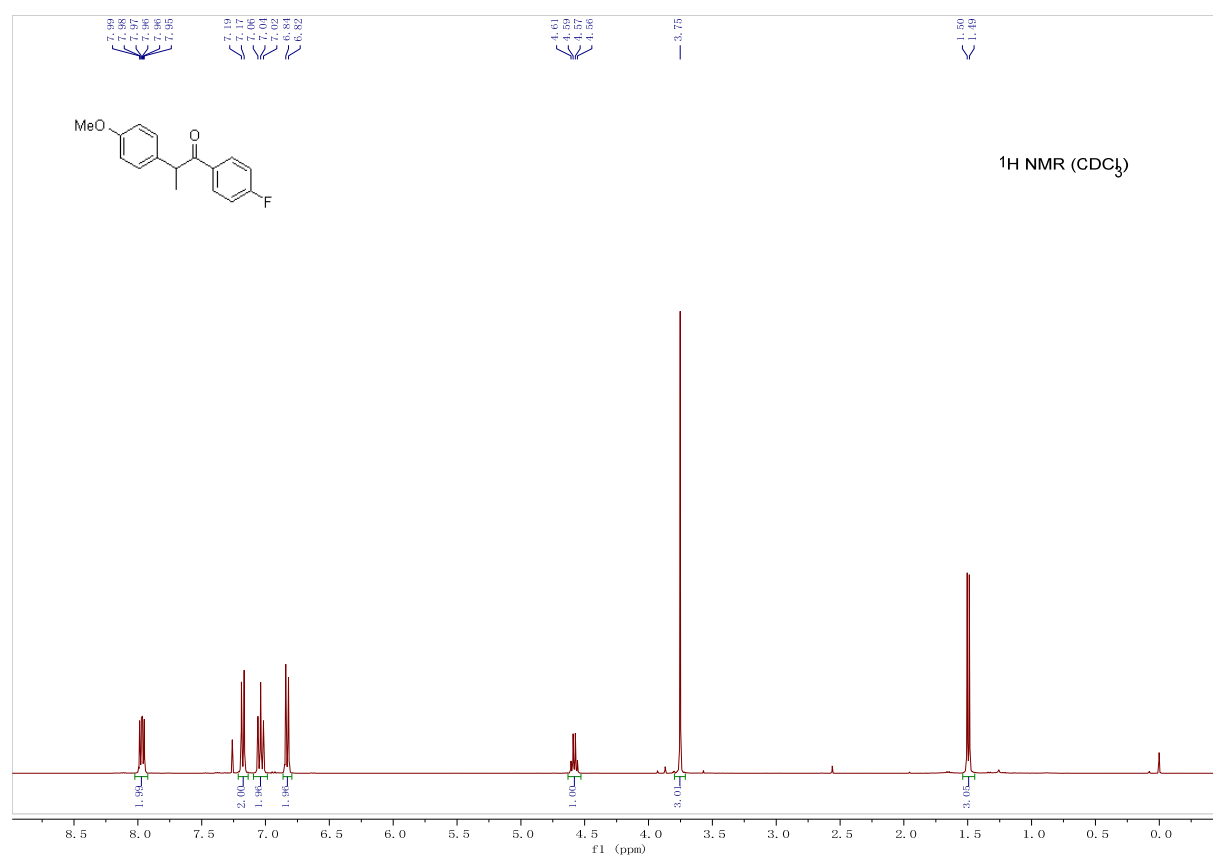


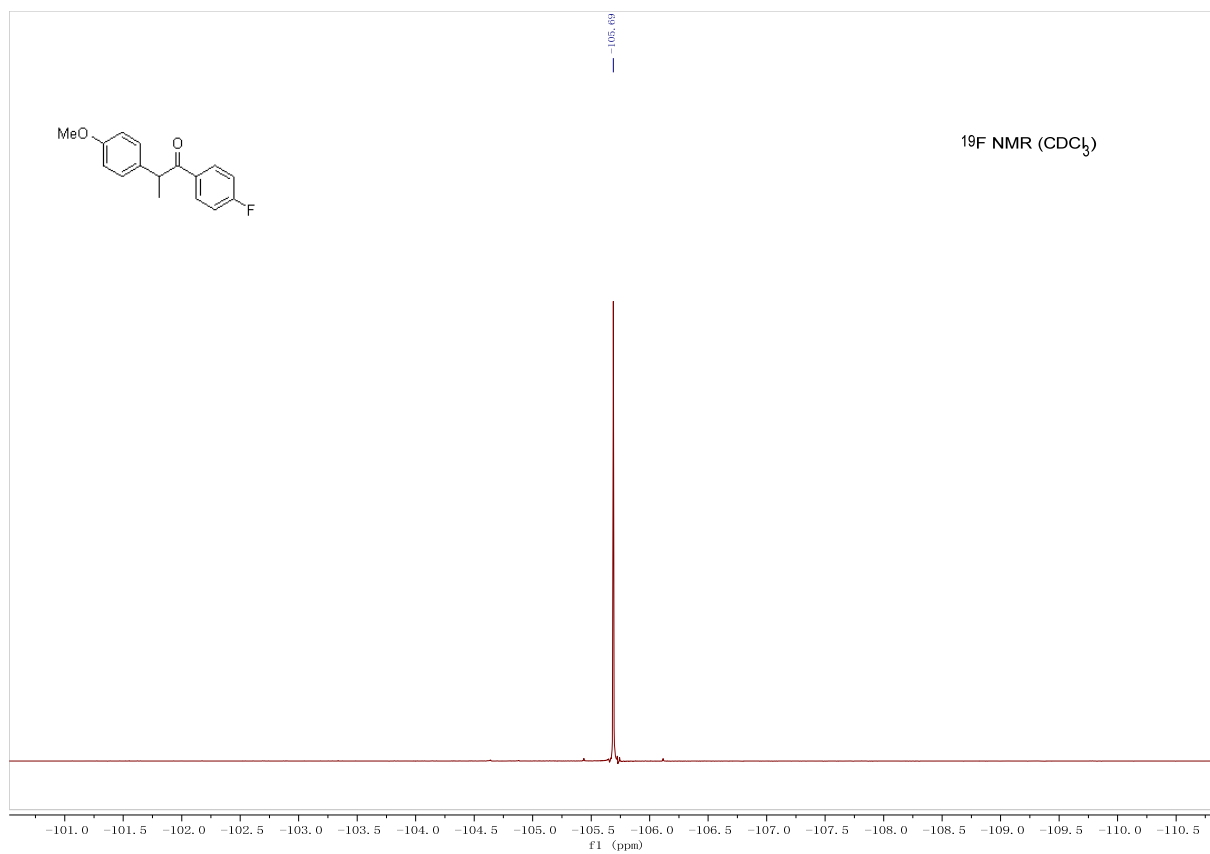


1,2-bis(4-methoxyphenyl)propan-1-one (**3e**)

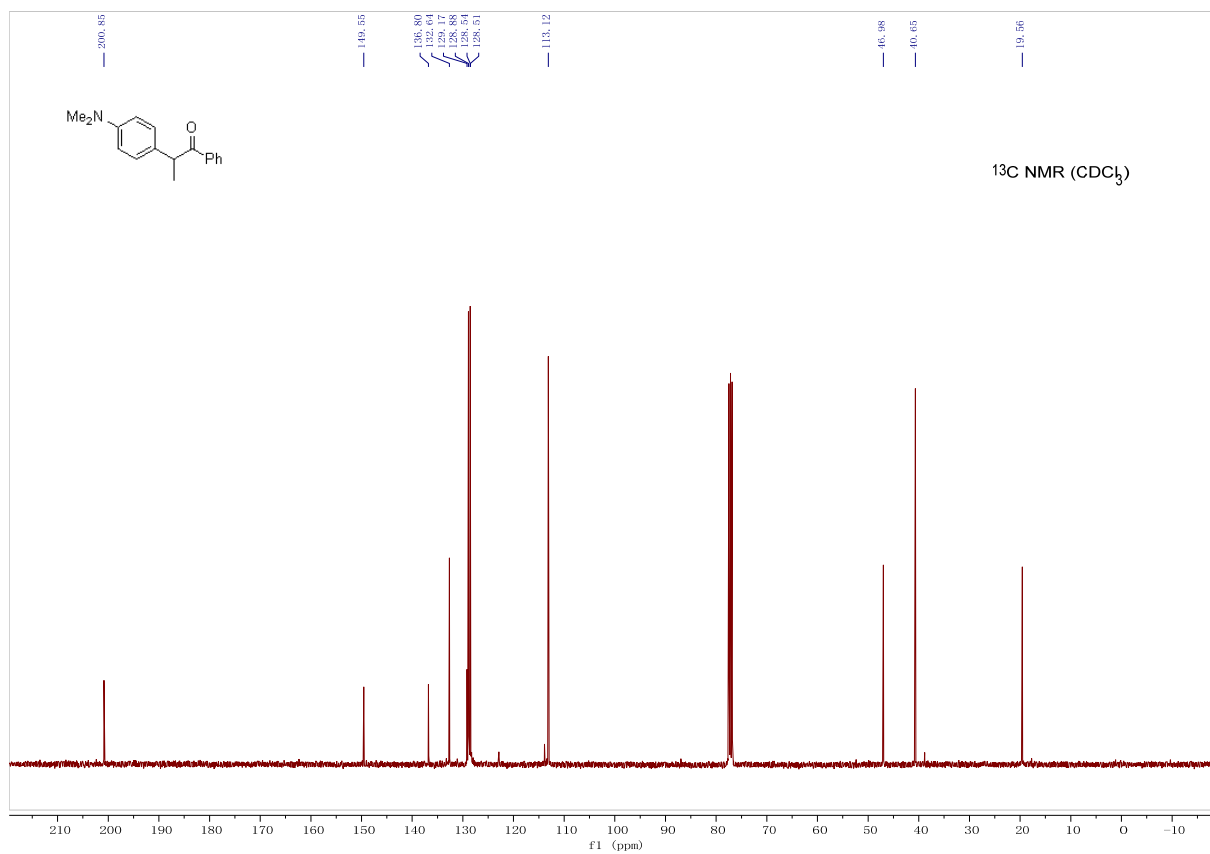
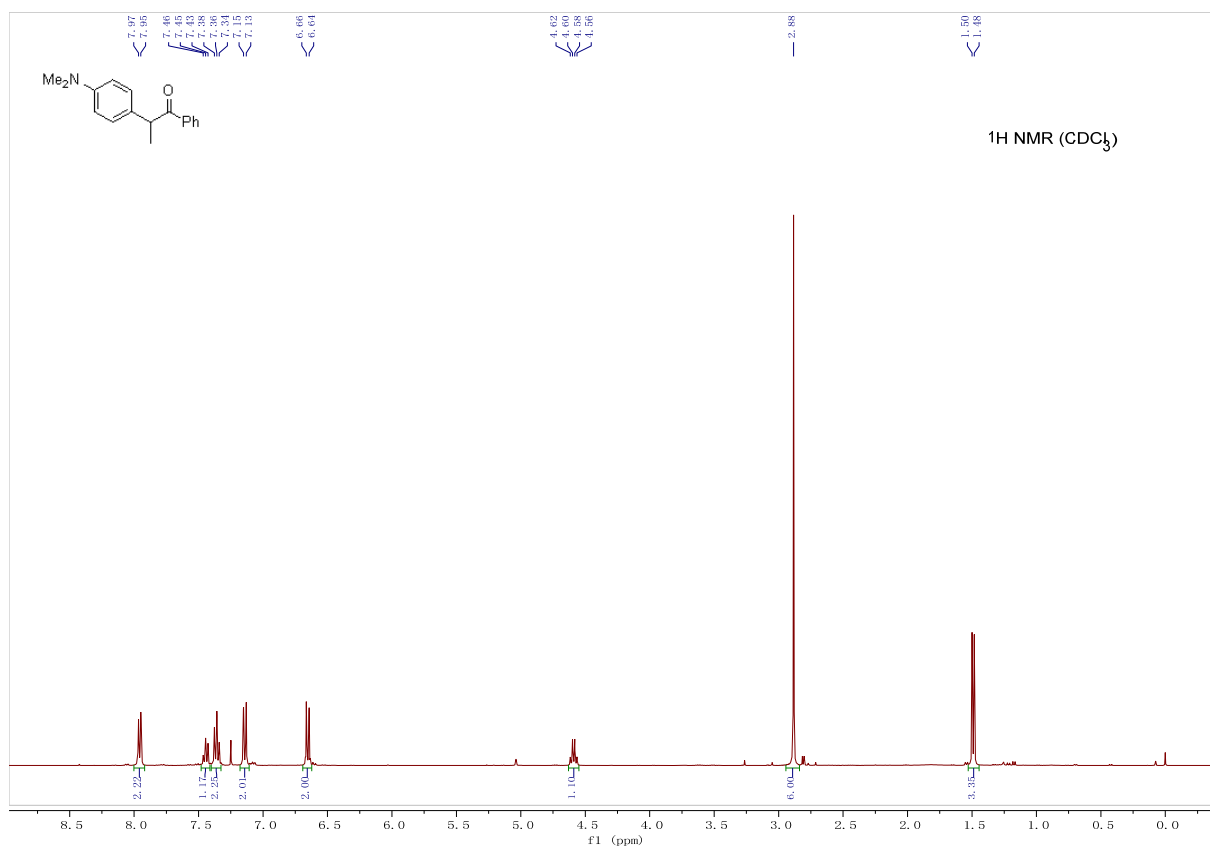


1-(4-fluorophenyl)-2-(4-methoxyphenyl)propan-1-one (3f)

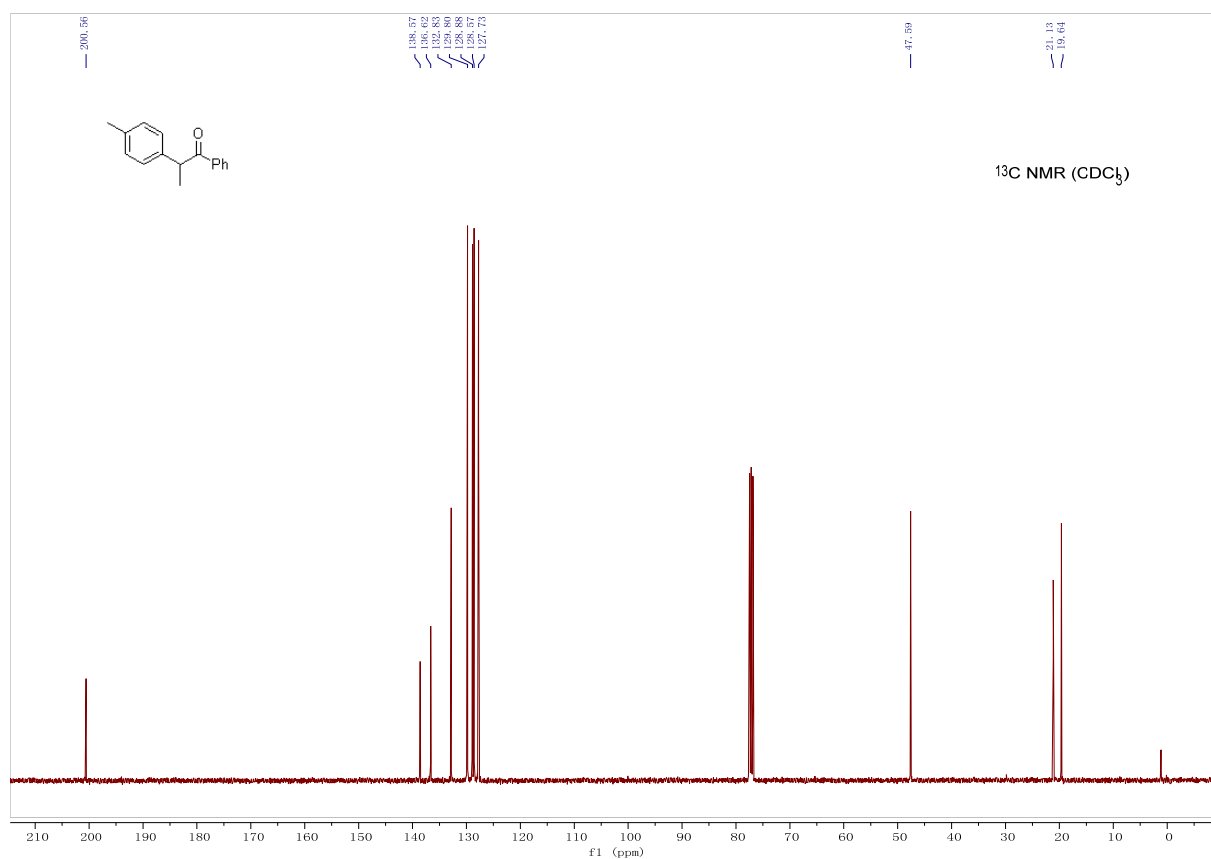
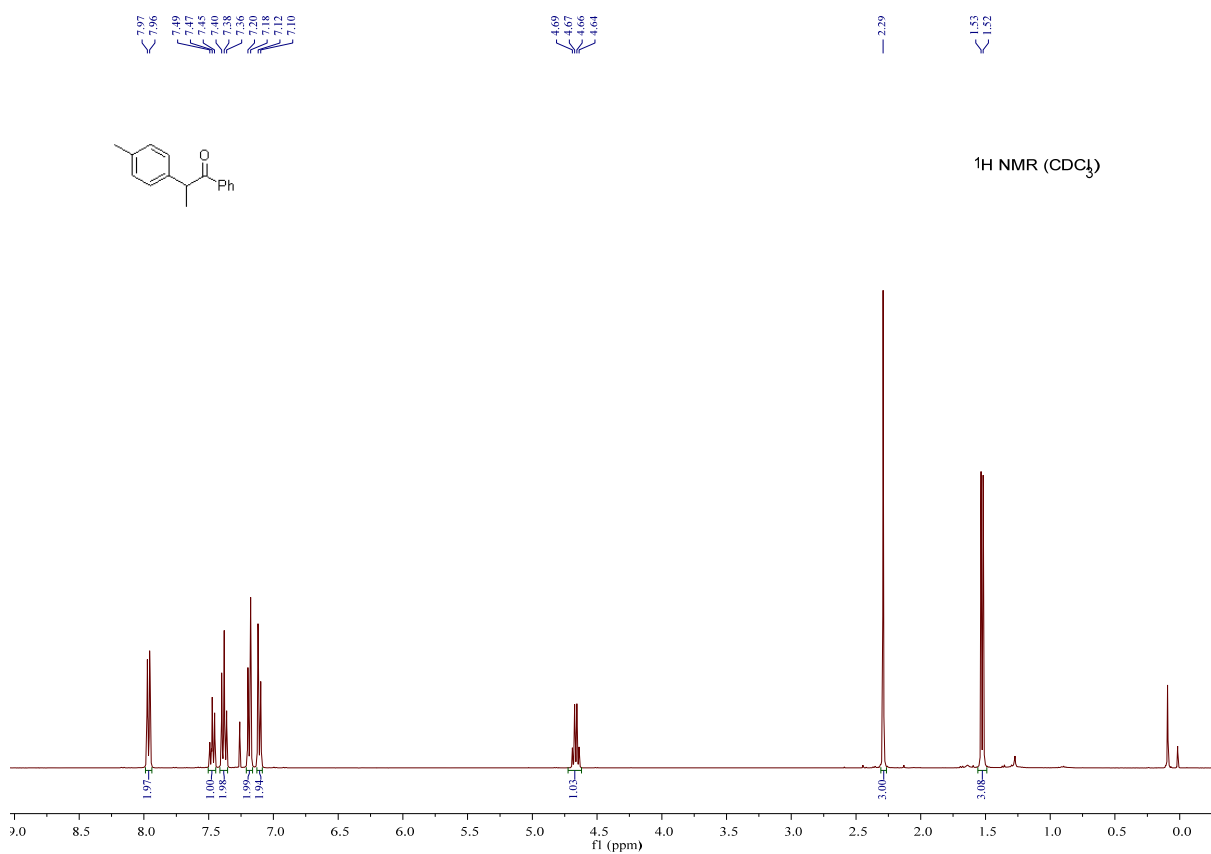




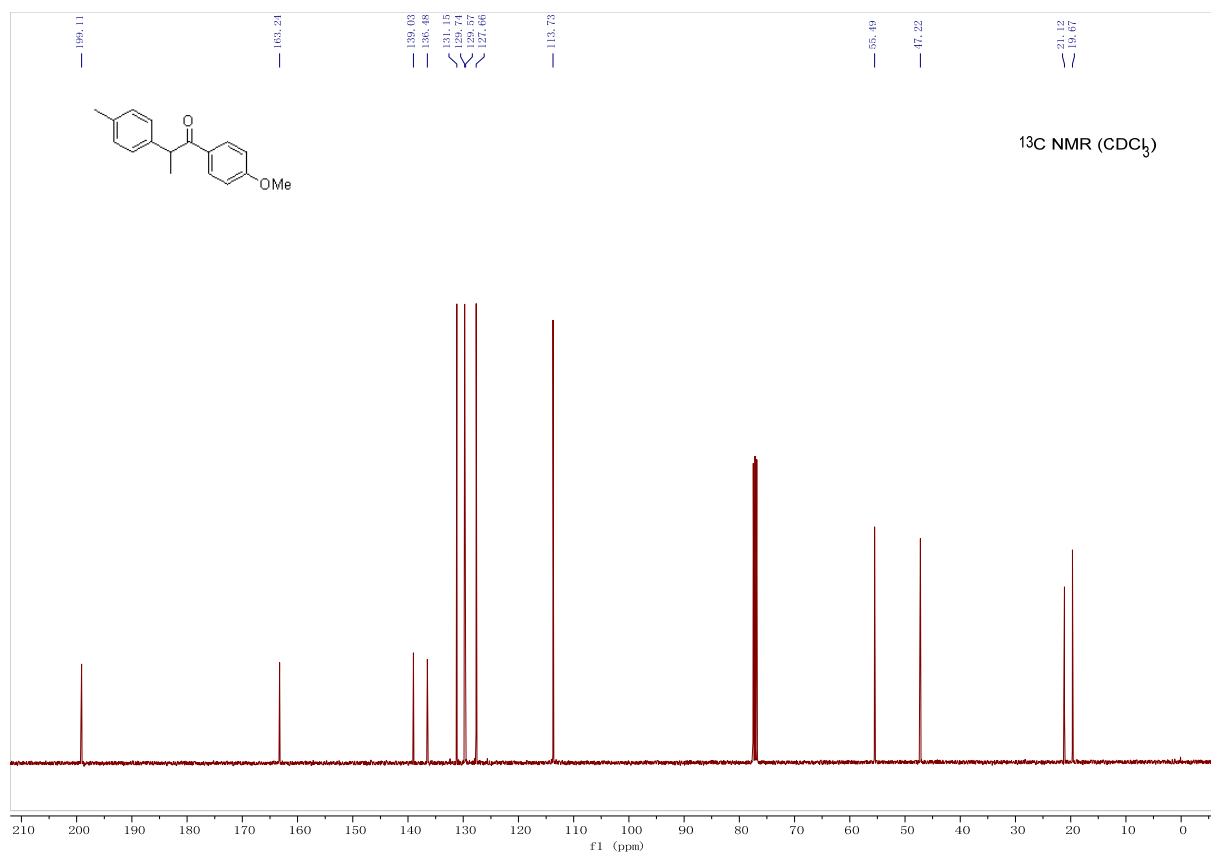
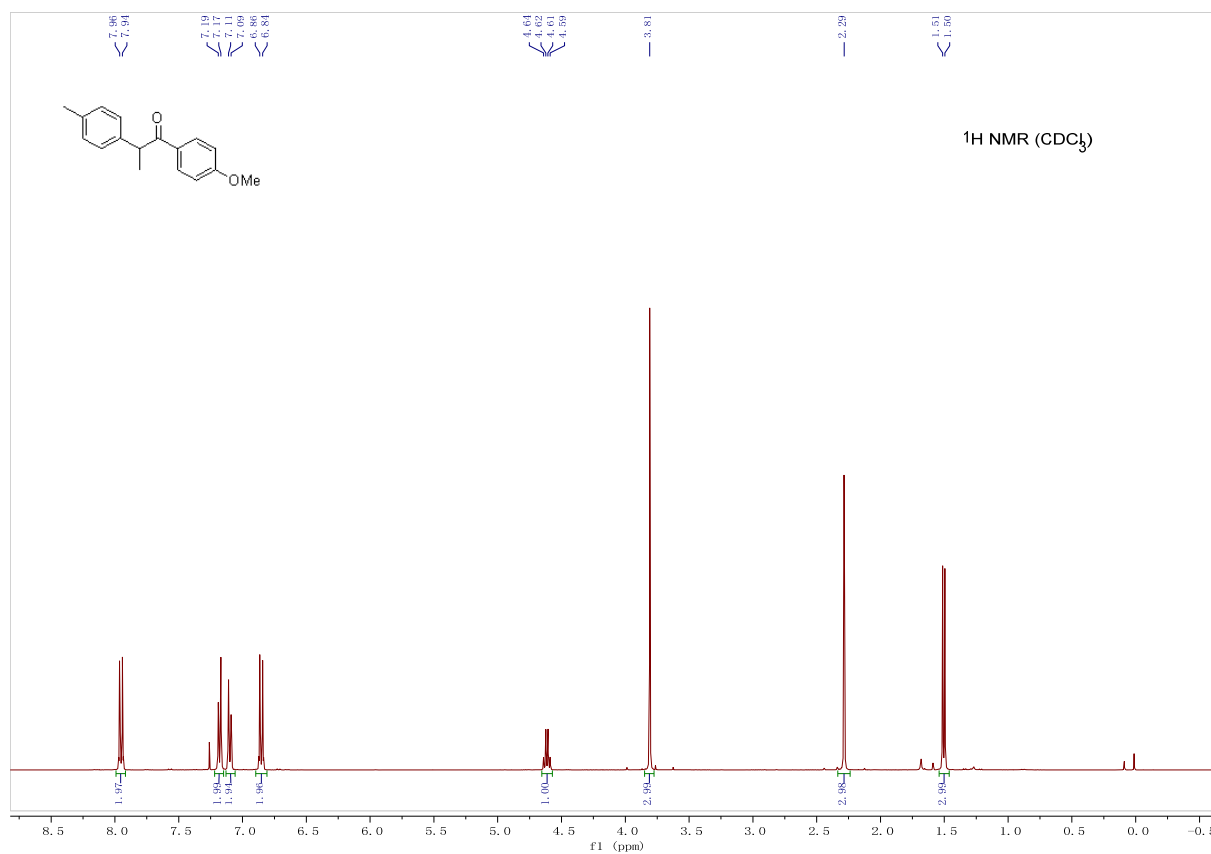
2-(4-(dimethylamino)phenyl)-1-phenylpropan-1-one (**3g**)



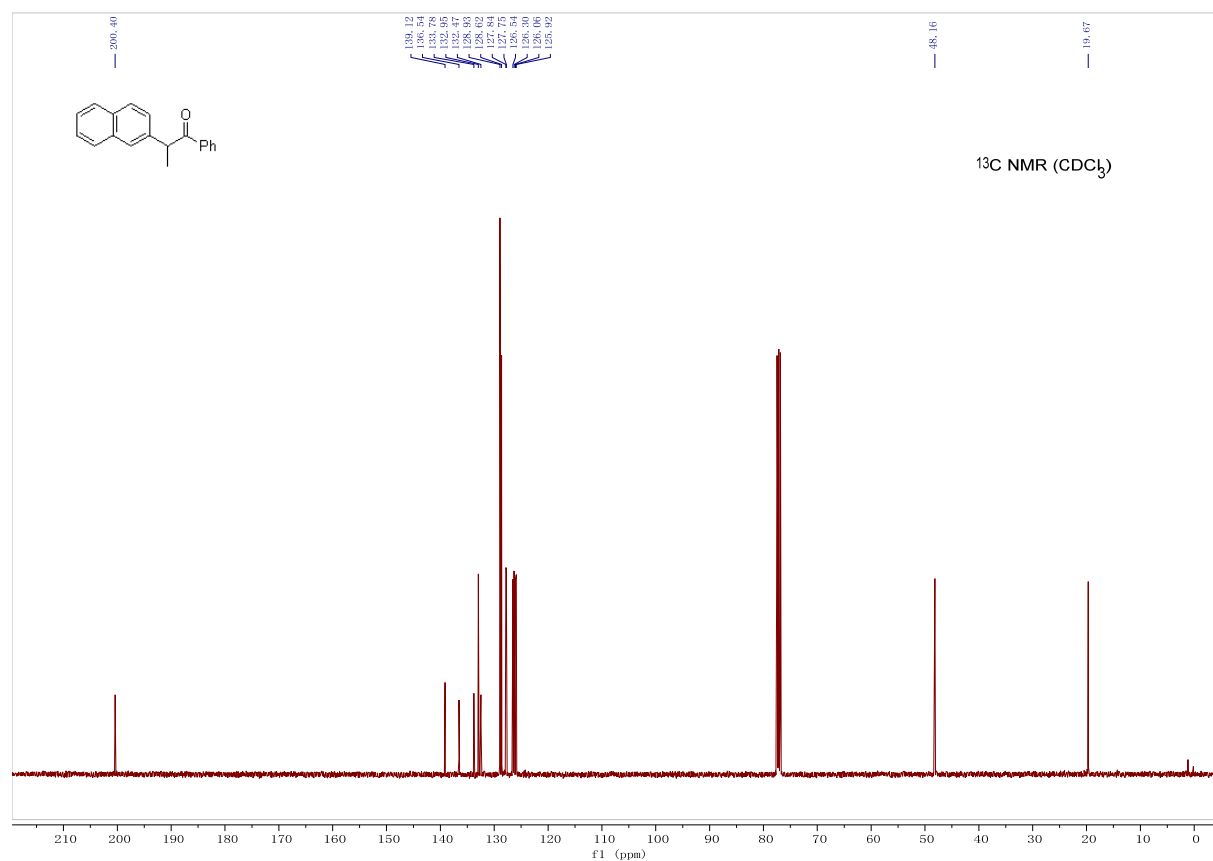
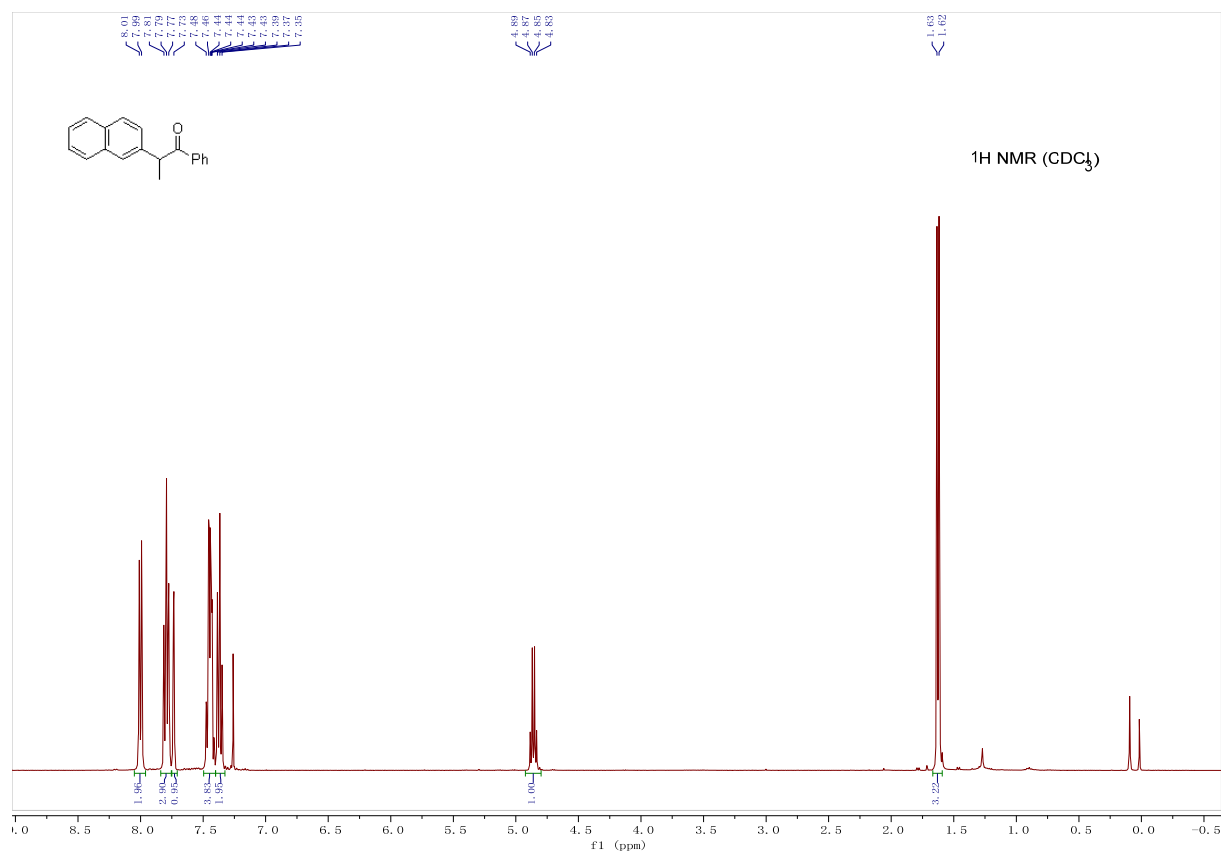
1-phenyl-2-(*p*-tolyl)propan-1-one (**3h**)



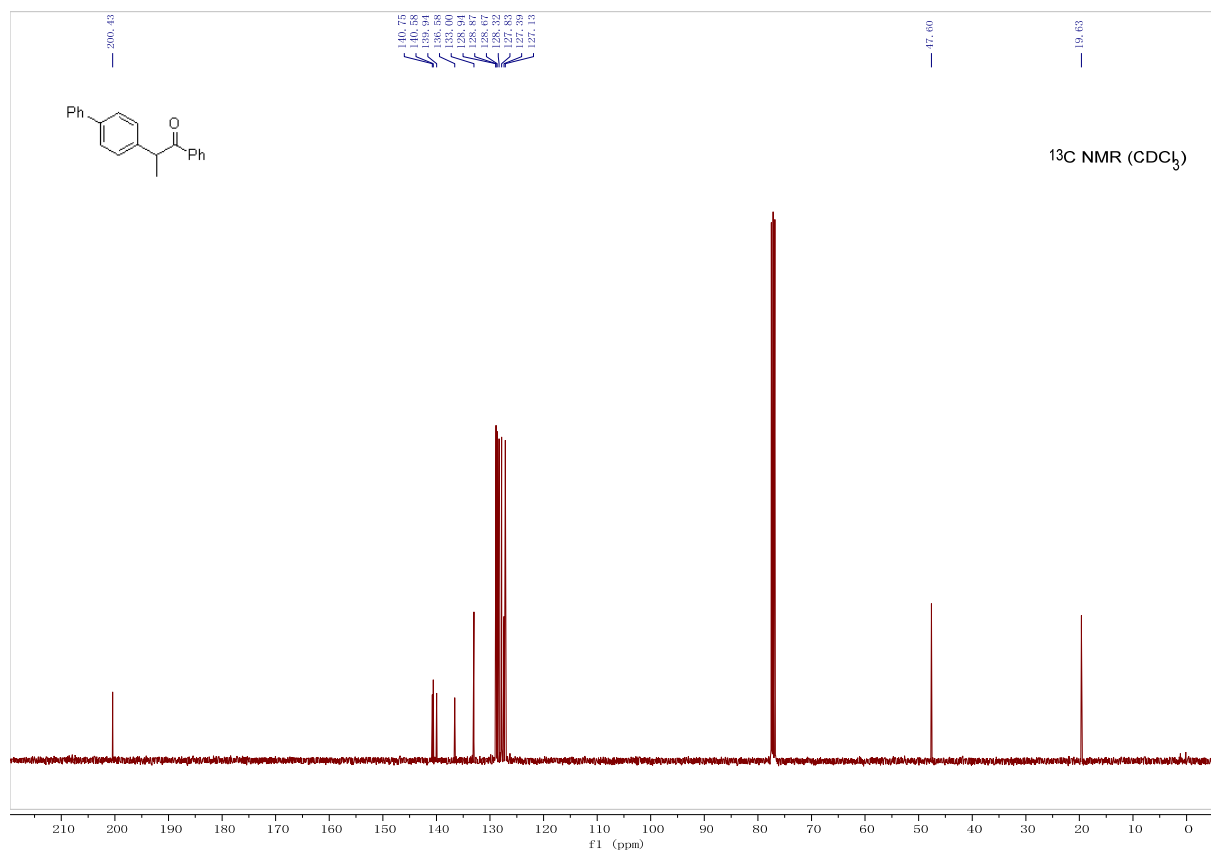
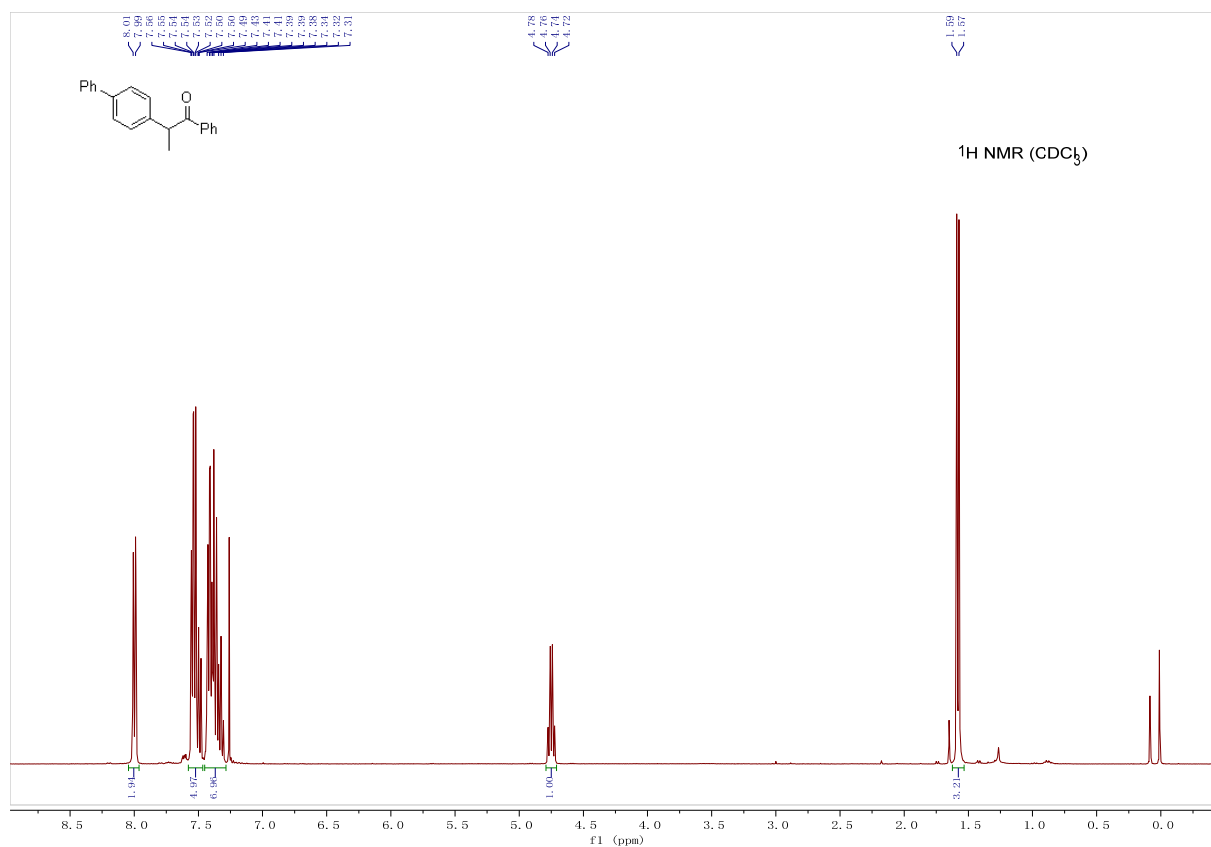
1-(4-methoxyphenyl)-2-(*p*-tolyl)propan-1-one (**3i**)



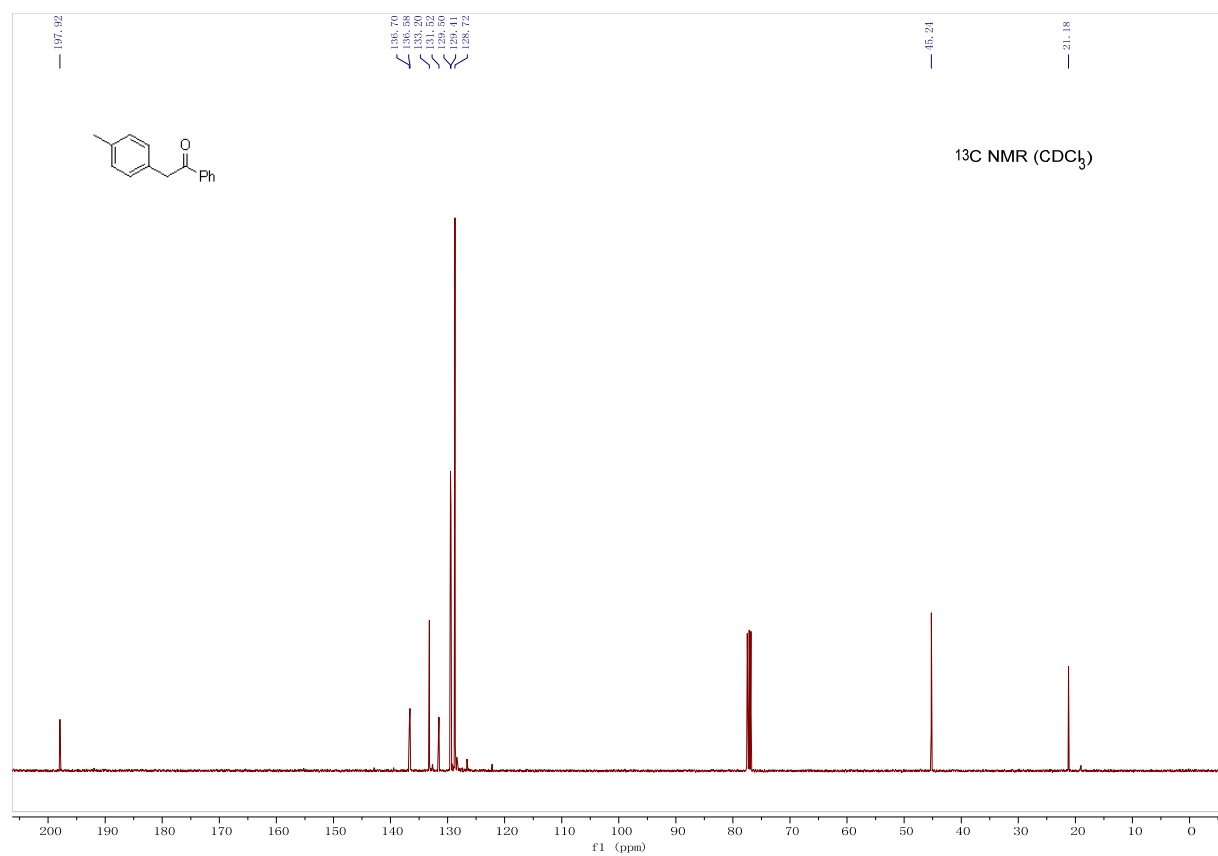
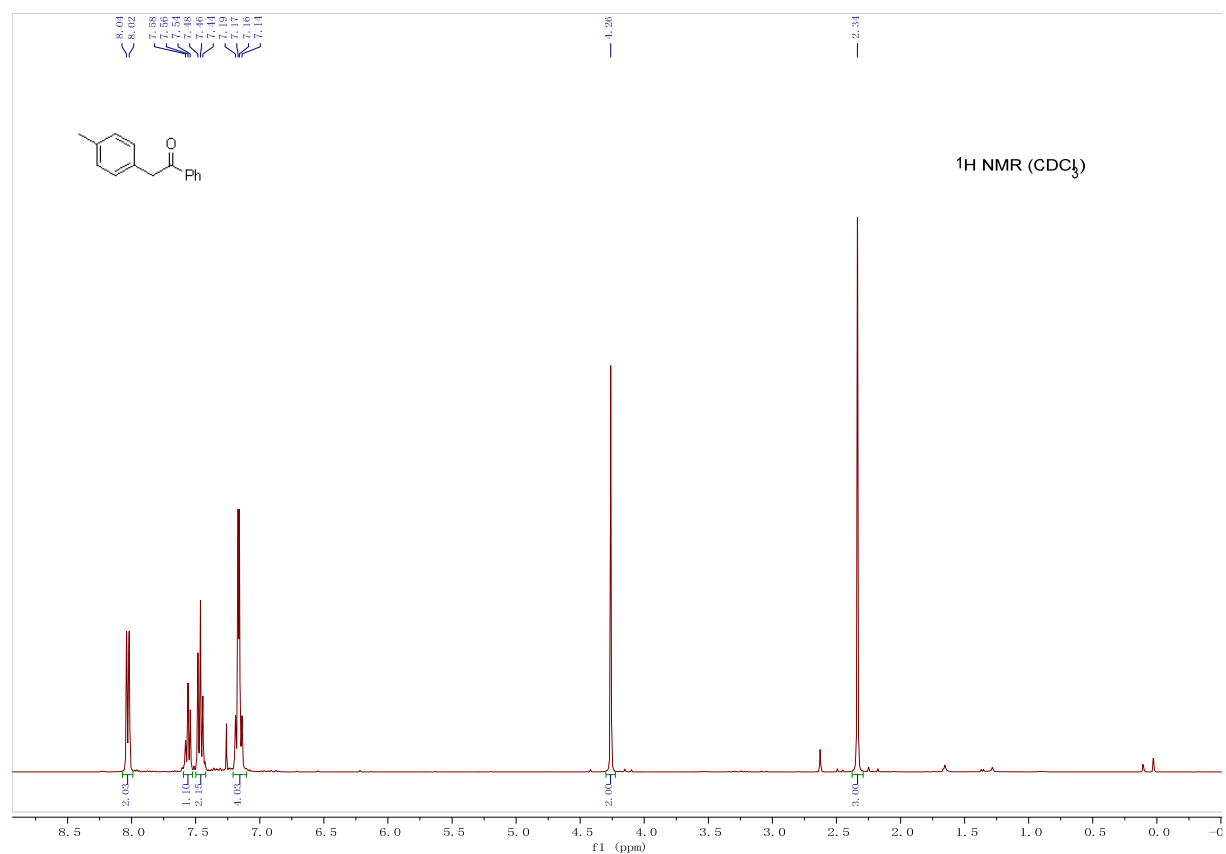
2-(naphthalen-2-yl)-1-phenylpropan-1-one (**3j**)



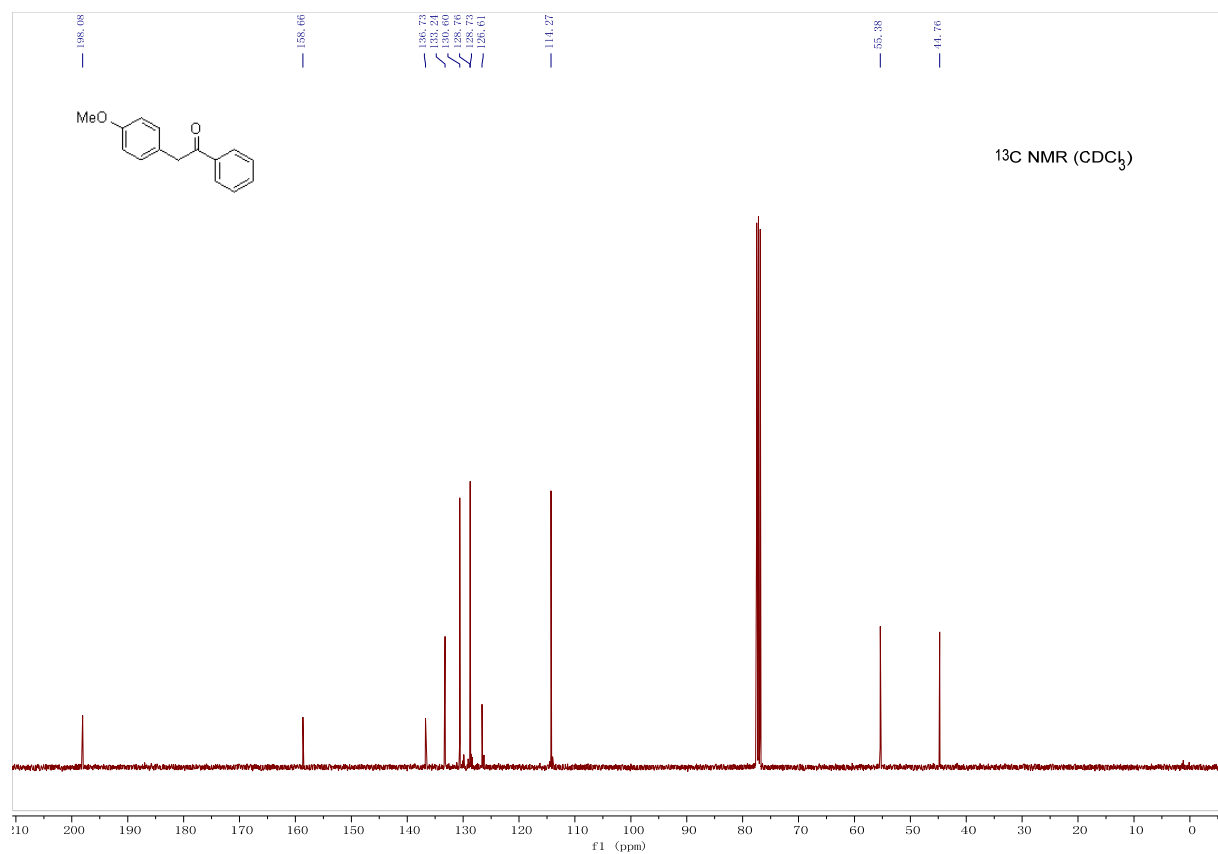
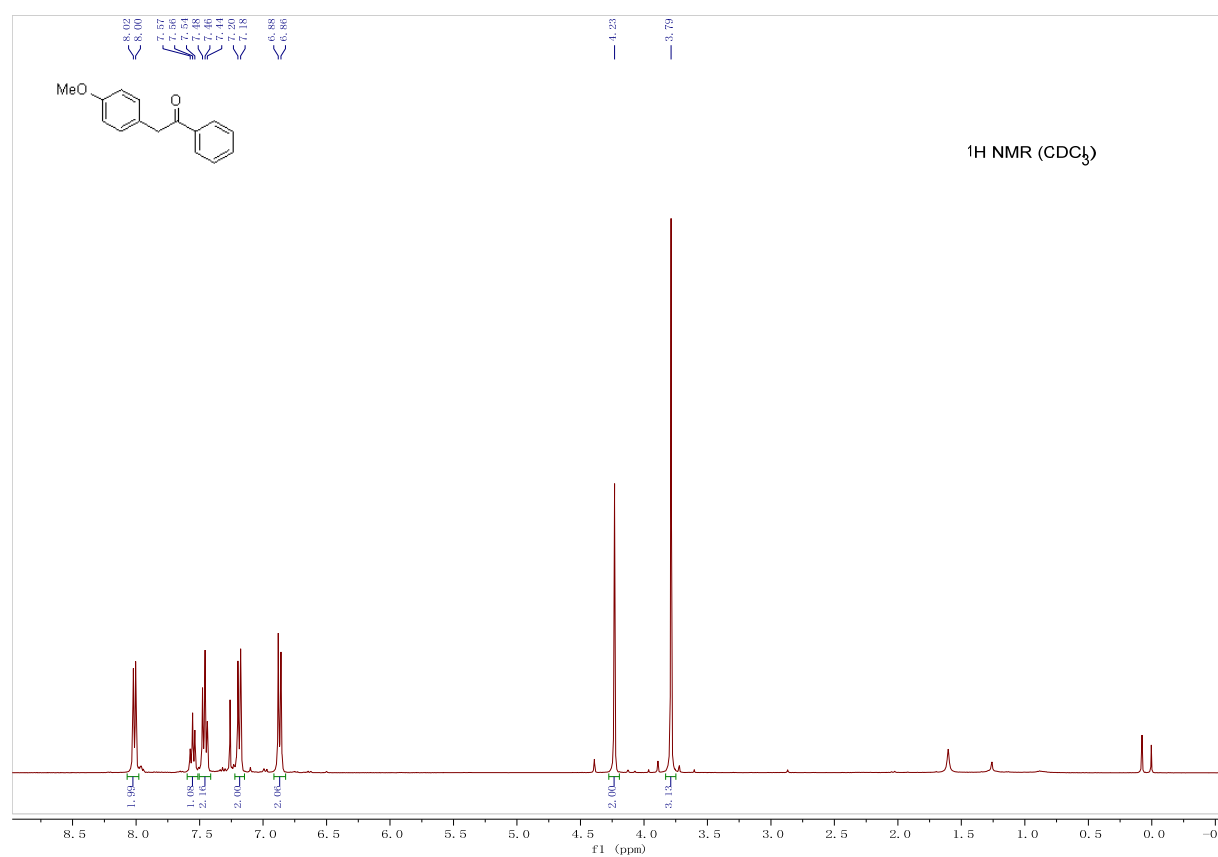
2-([1,1'-biphenyl]-4-yl)-1-phenylpropan-1-one (**3k**)



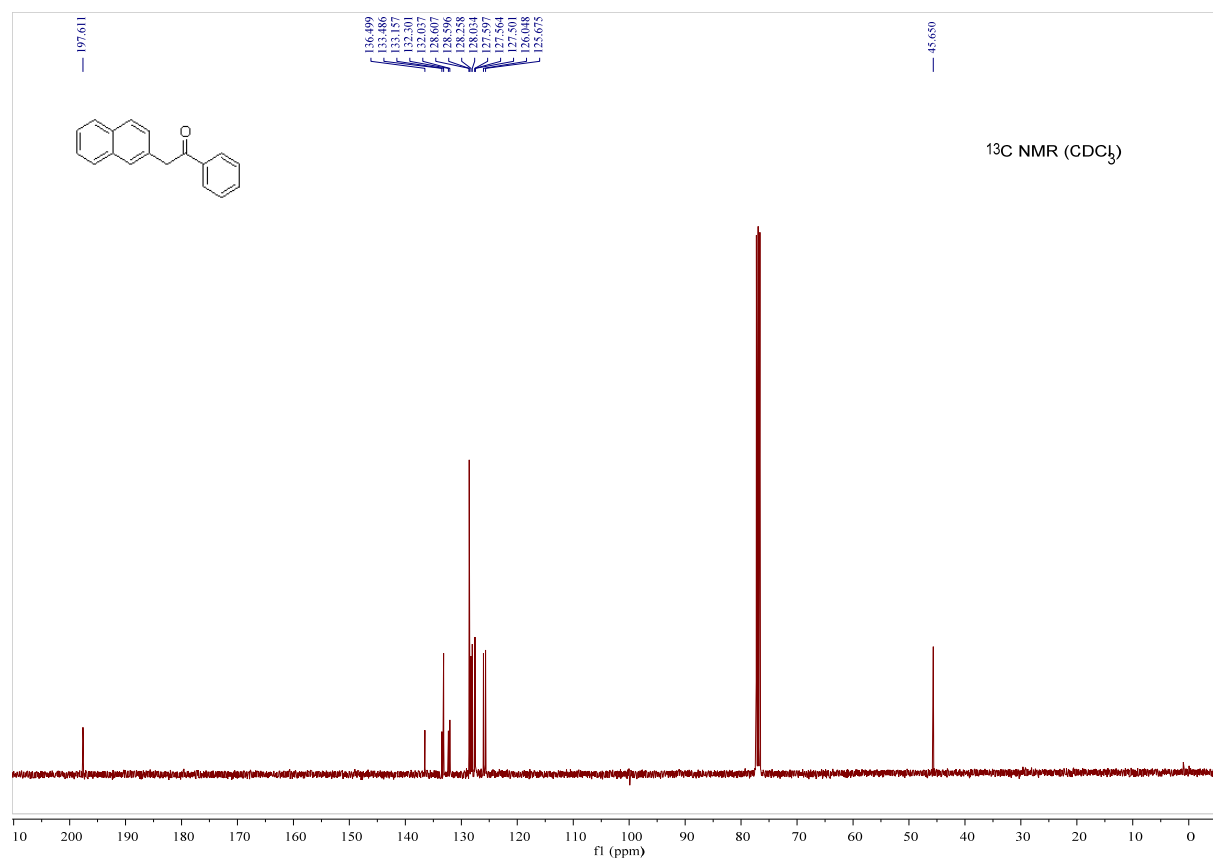
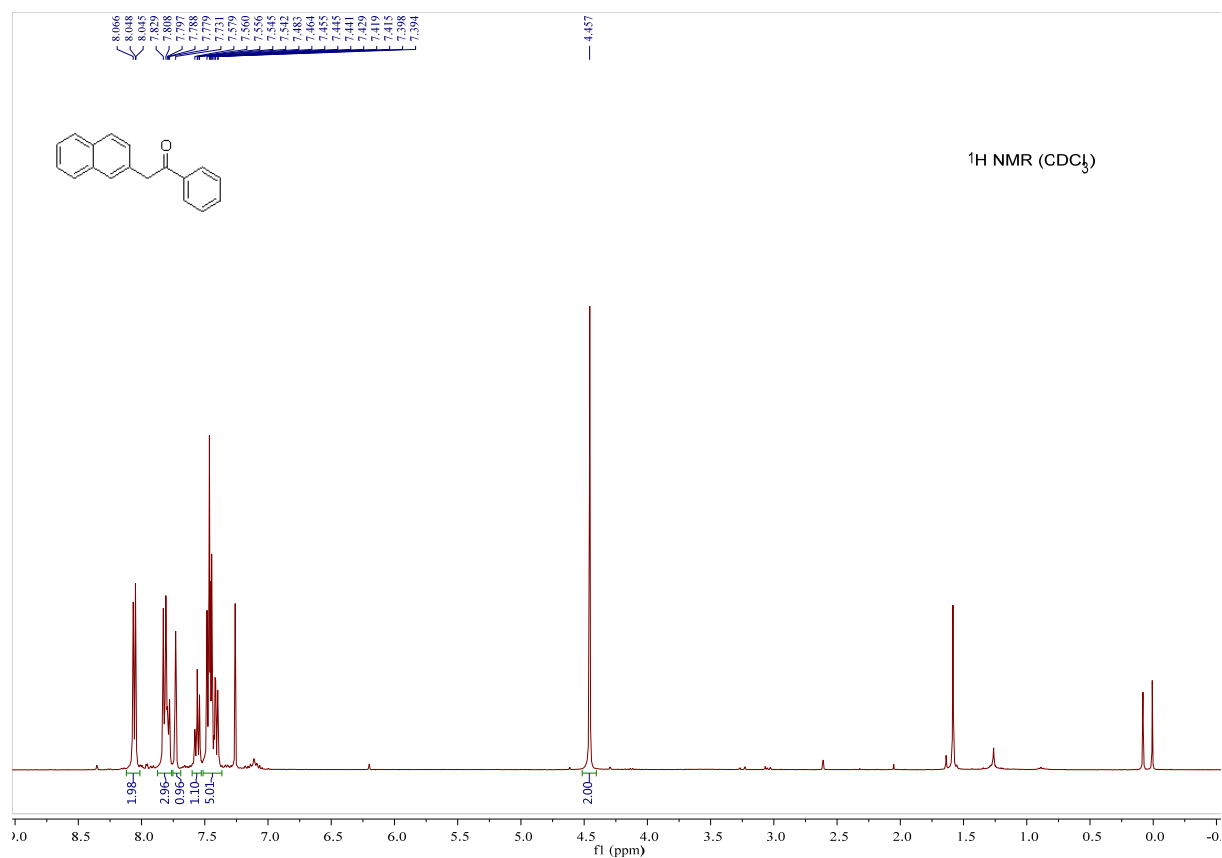
1-phenyl-2-(*p*-tolyl)ethan-1-one (**3I**)



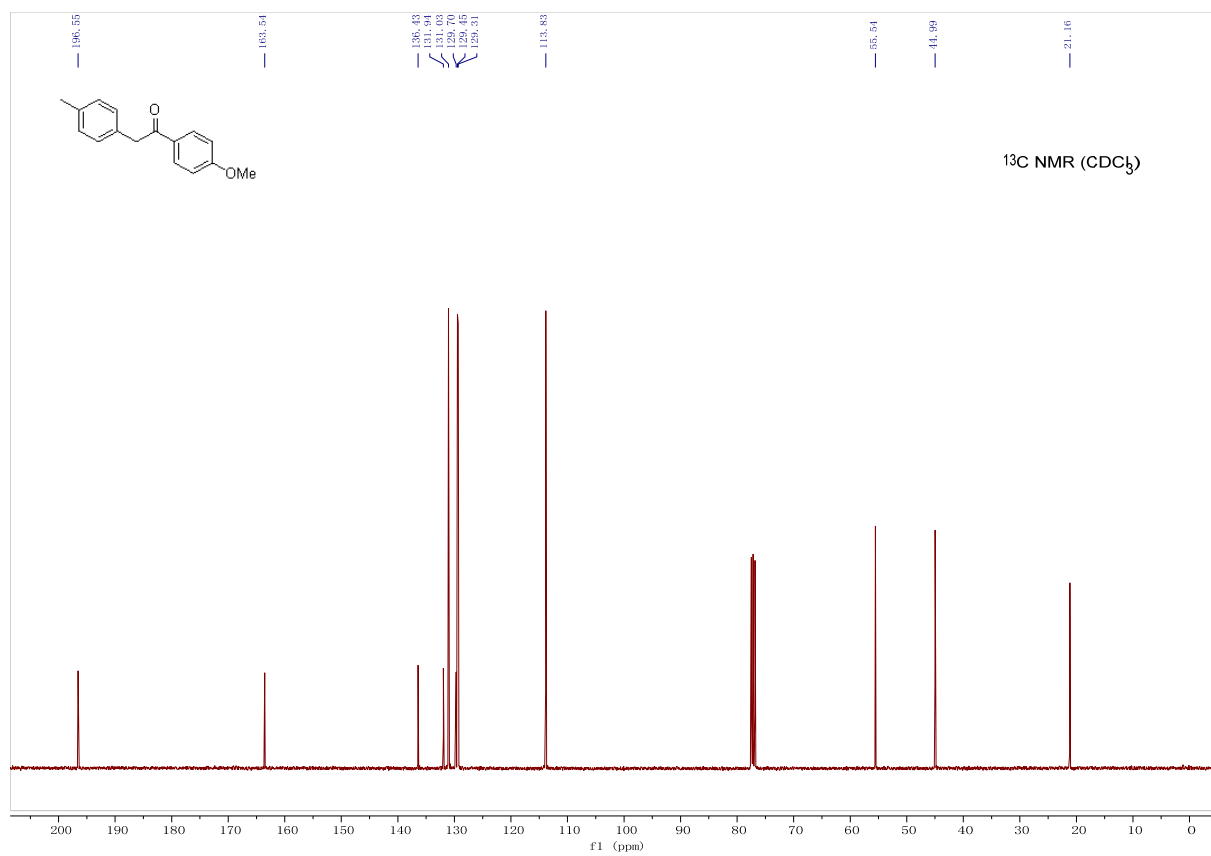
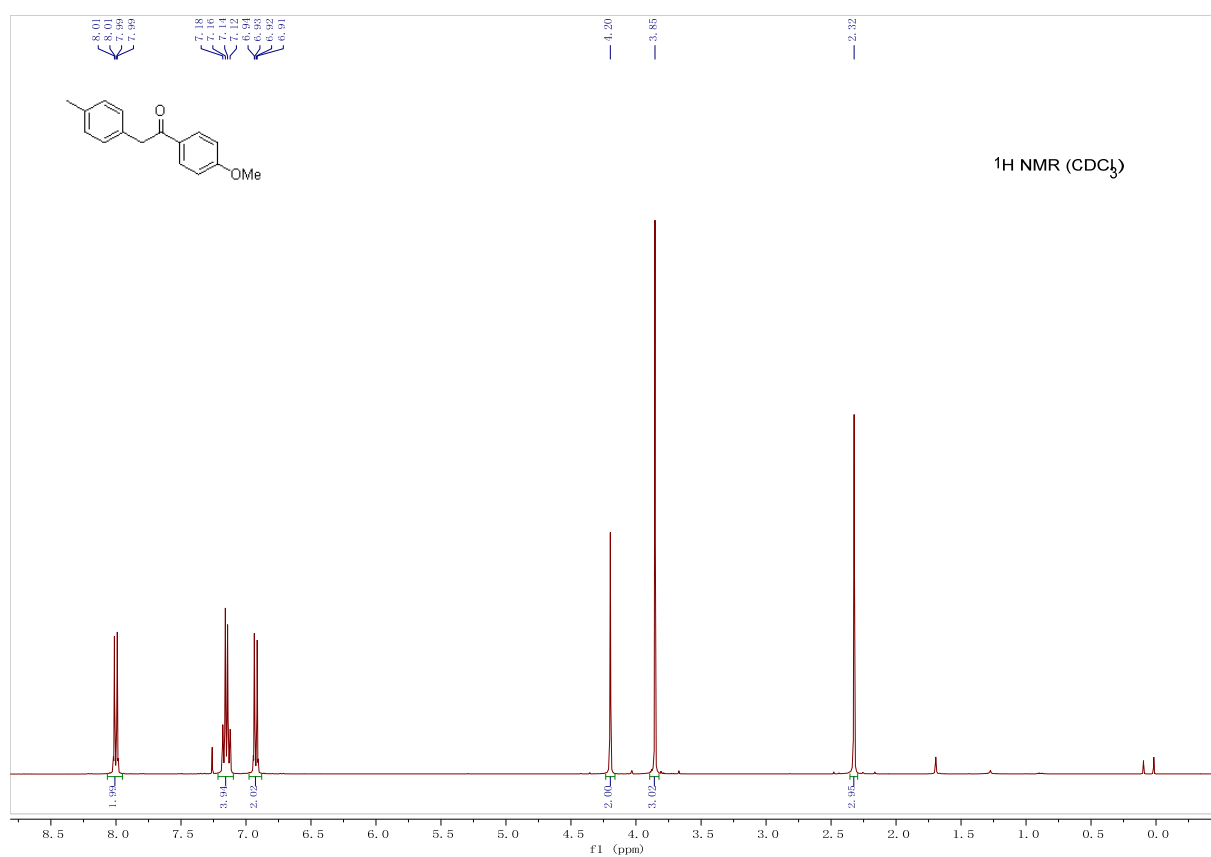
2-(4-methoxyphenyl)-1-phenylethan-1-one (3m)



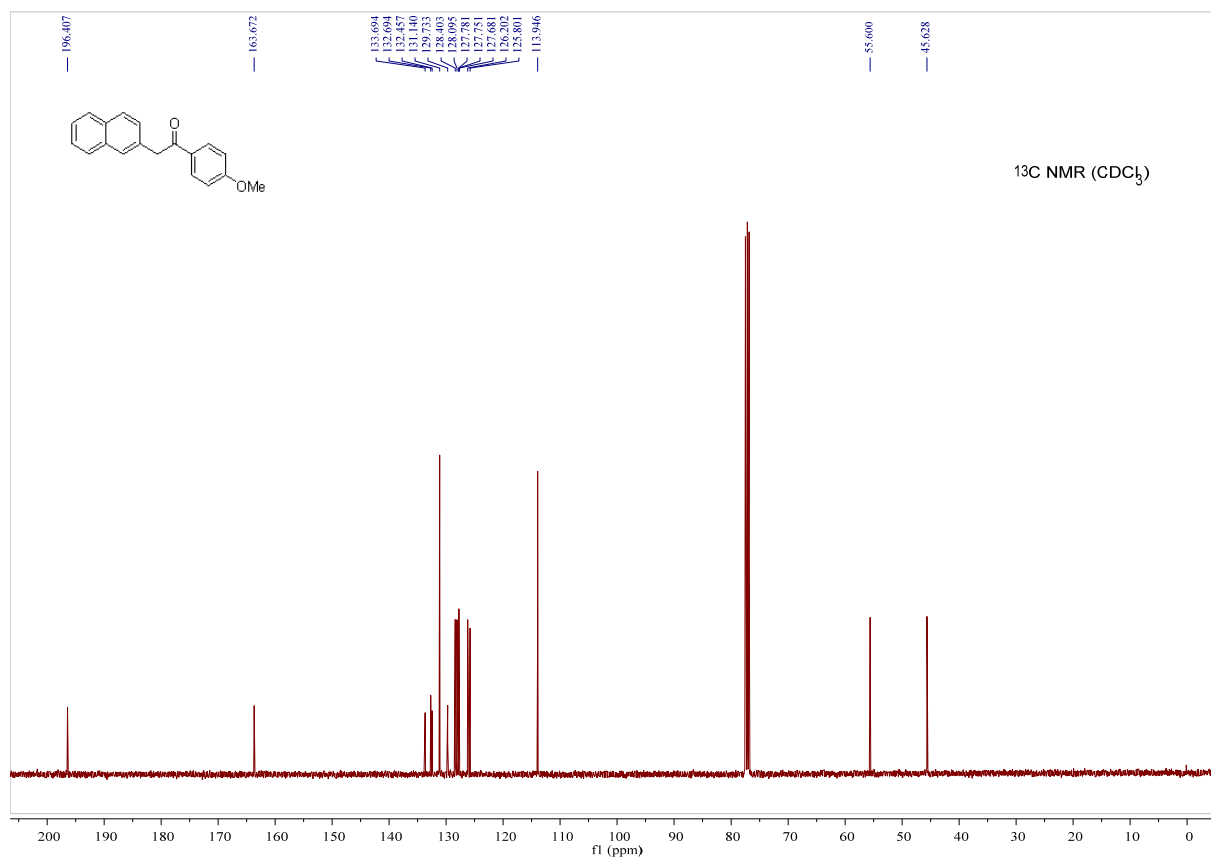
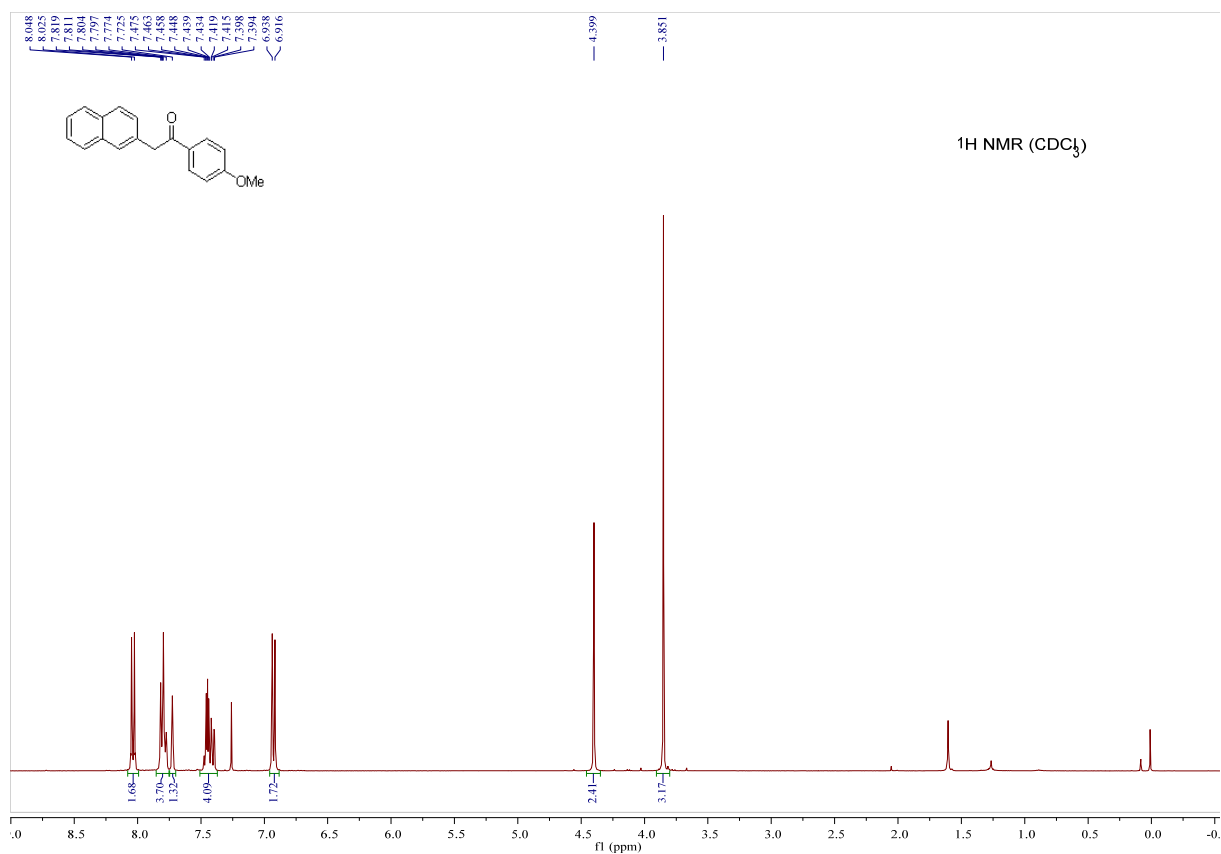
2-(naphthalen-2-yl)-1-phenylethan-1-one (**3n**)



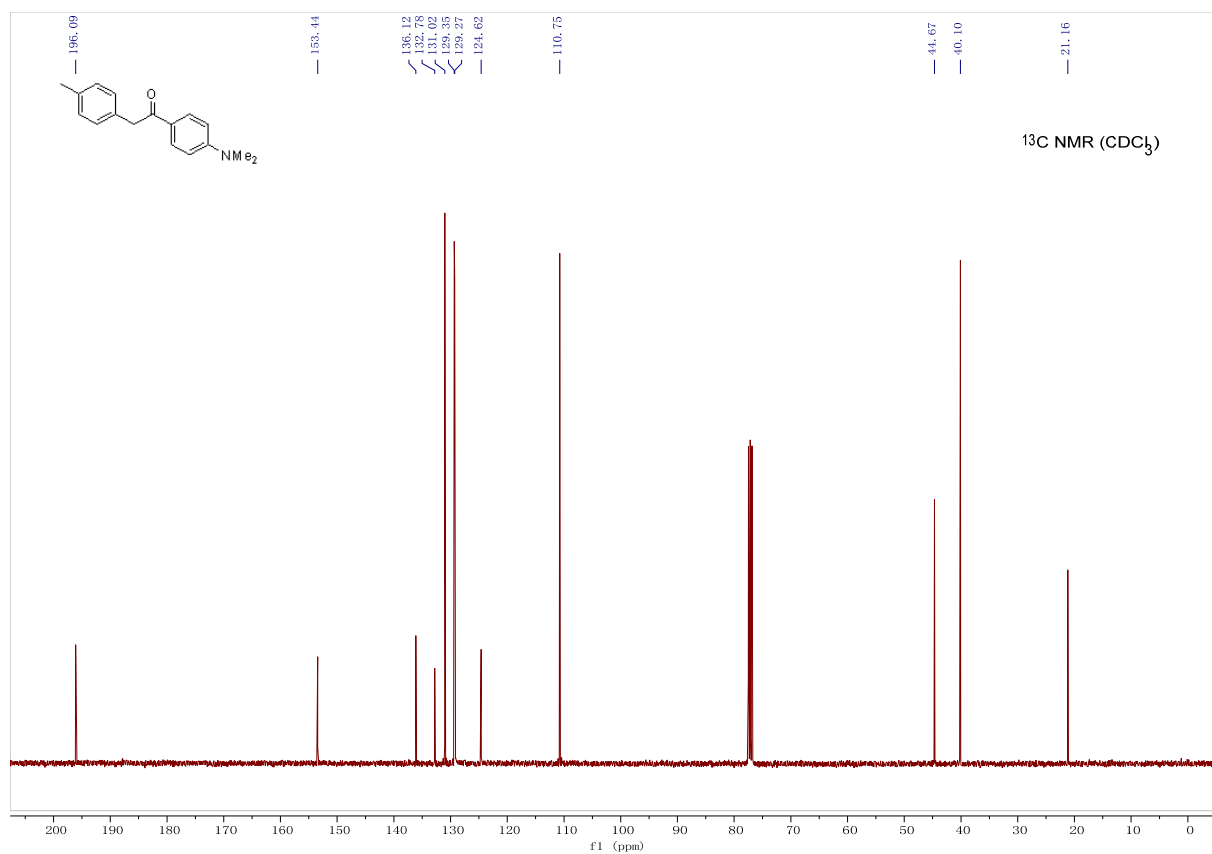
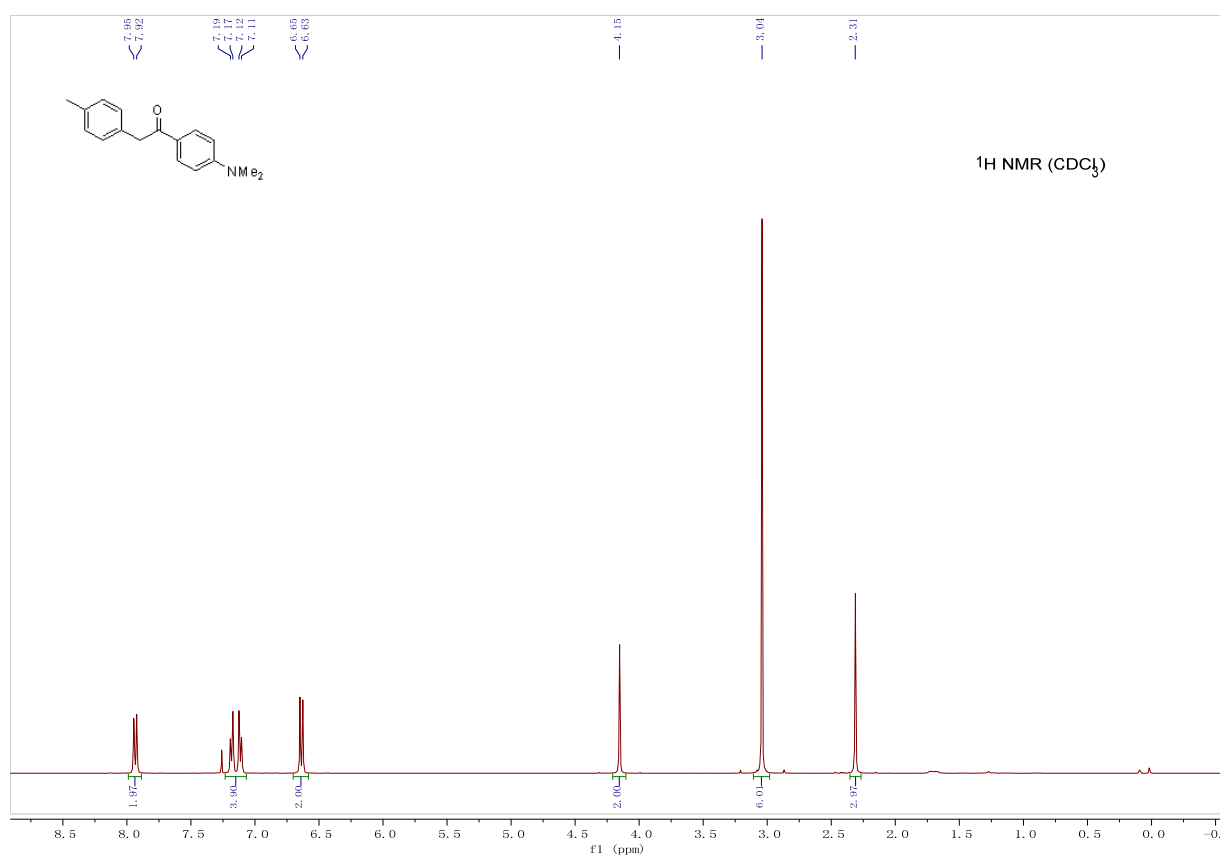
1-(4-methoxyphenyl)-2-(*p*-tolyl)ethan-1-one (**3o**)



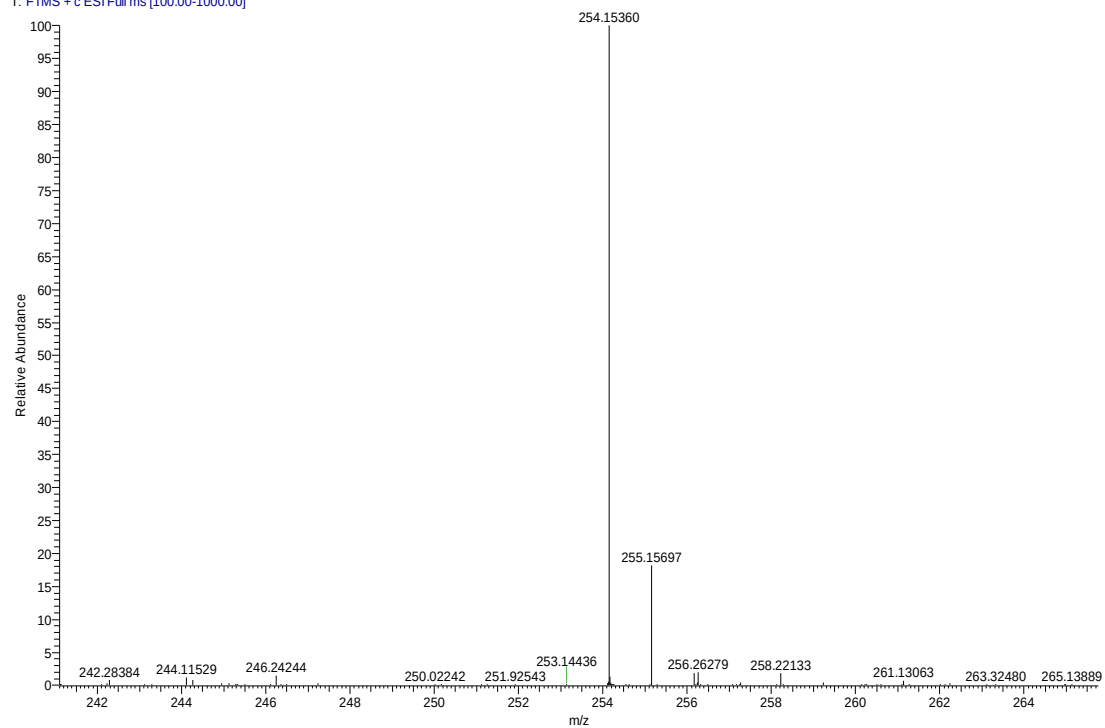
1-(4-methoxyphenyl)-2-(naphthalen-2-yl)ethan-1-one (**3p**)



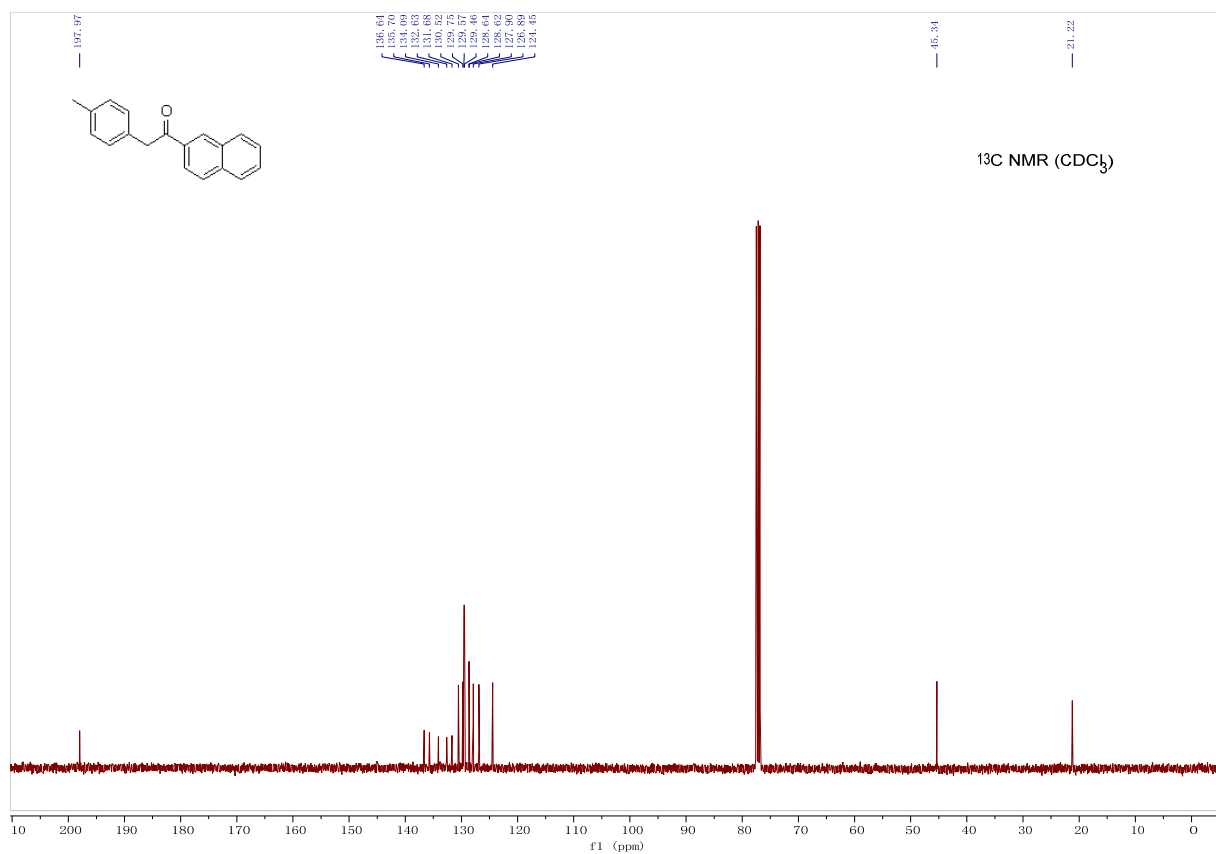
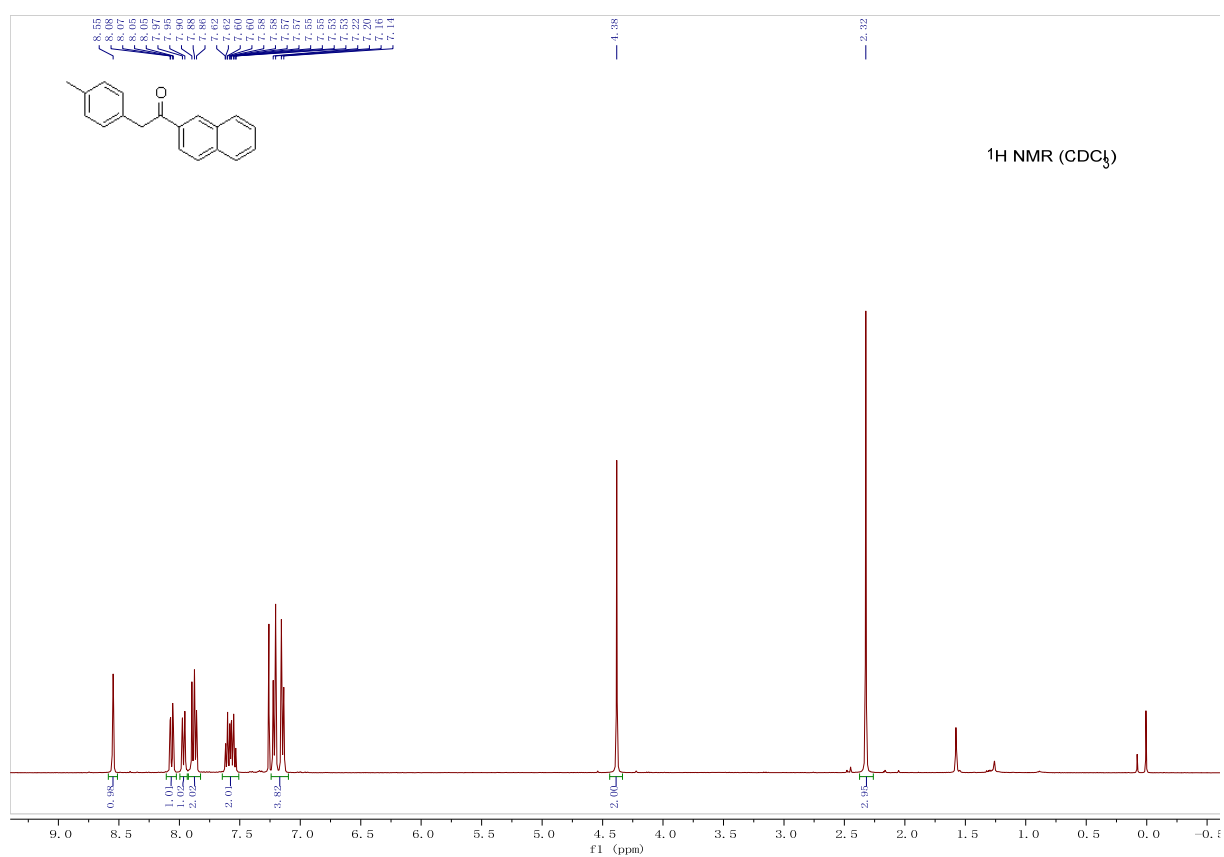
1-(4-(dimethylamino)phenyl)-2-(*p*-tolyl)ethan-1-one (**3q**)



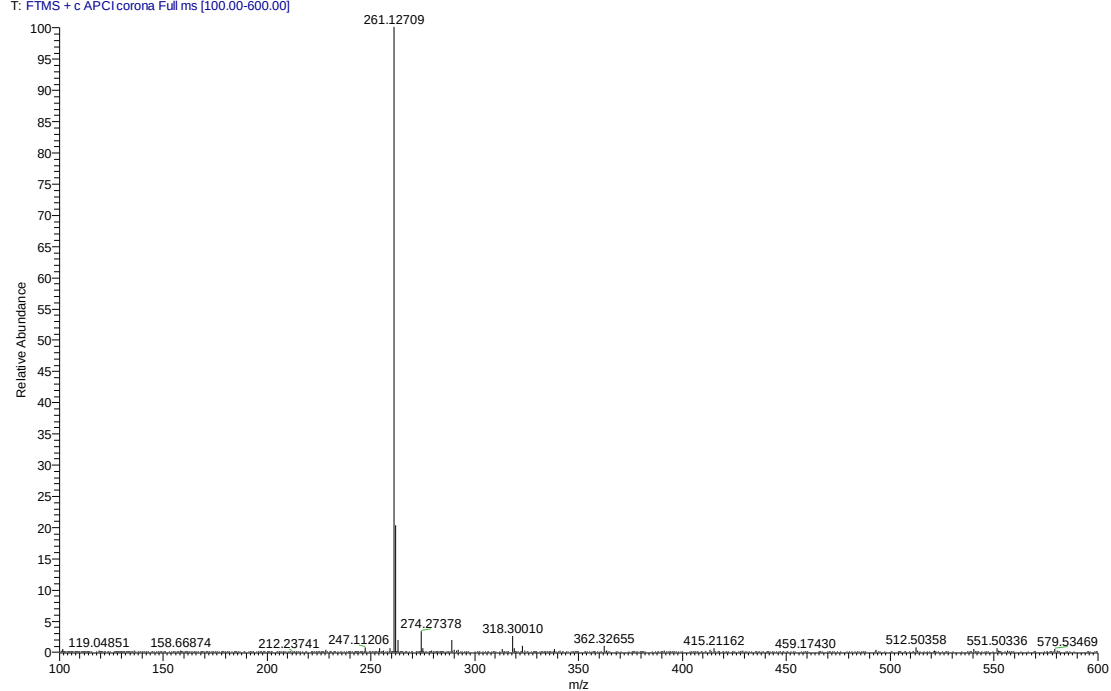
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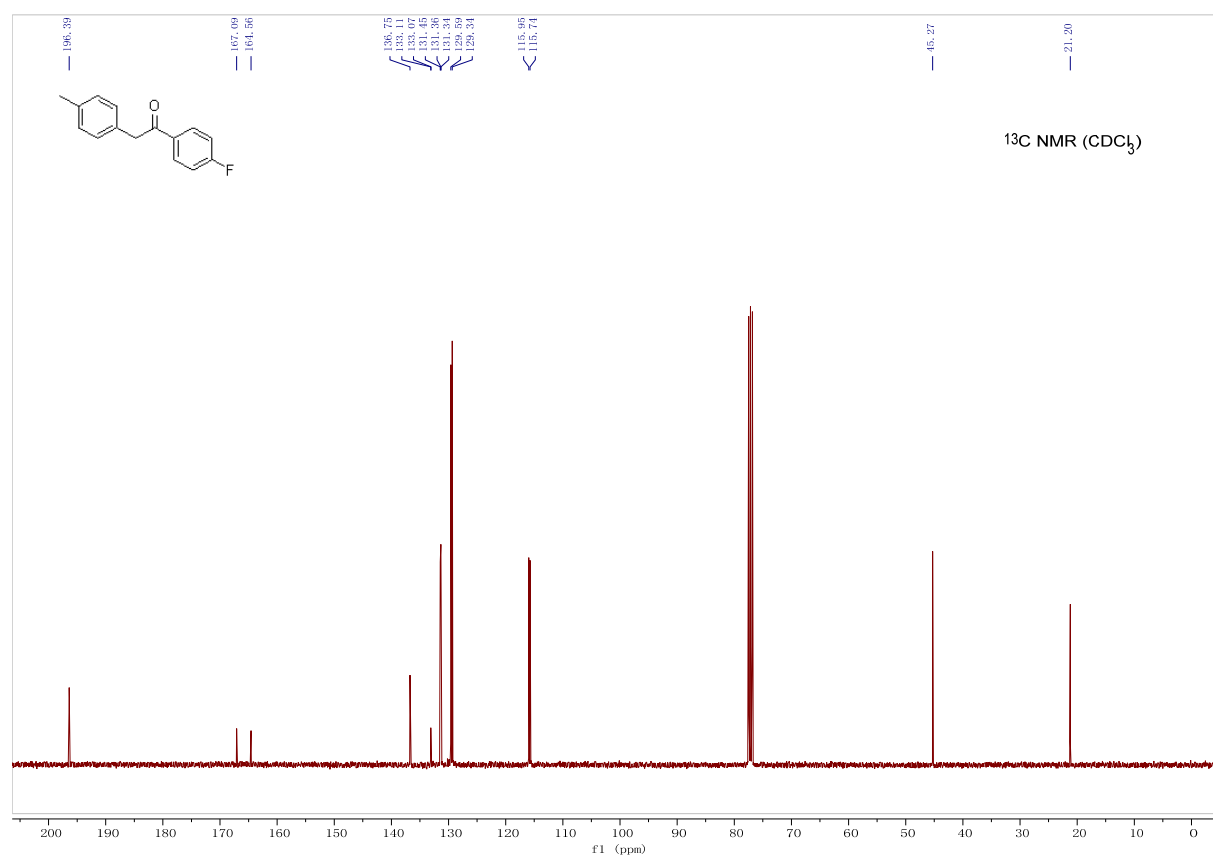
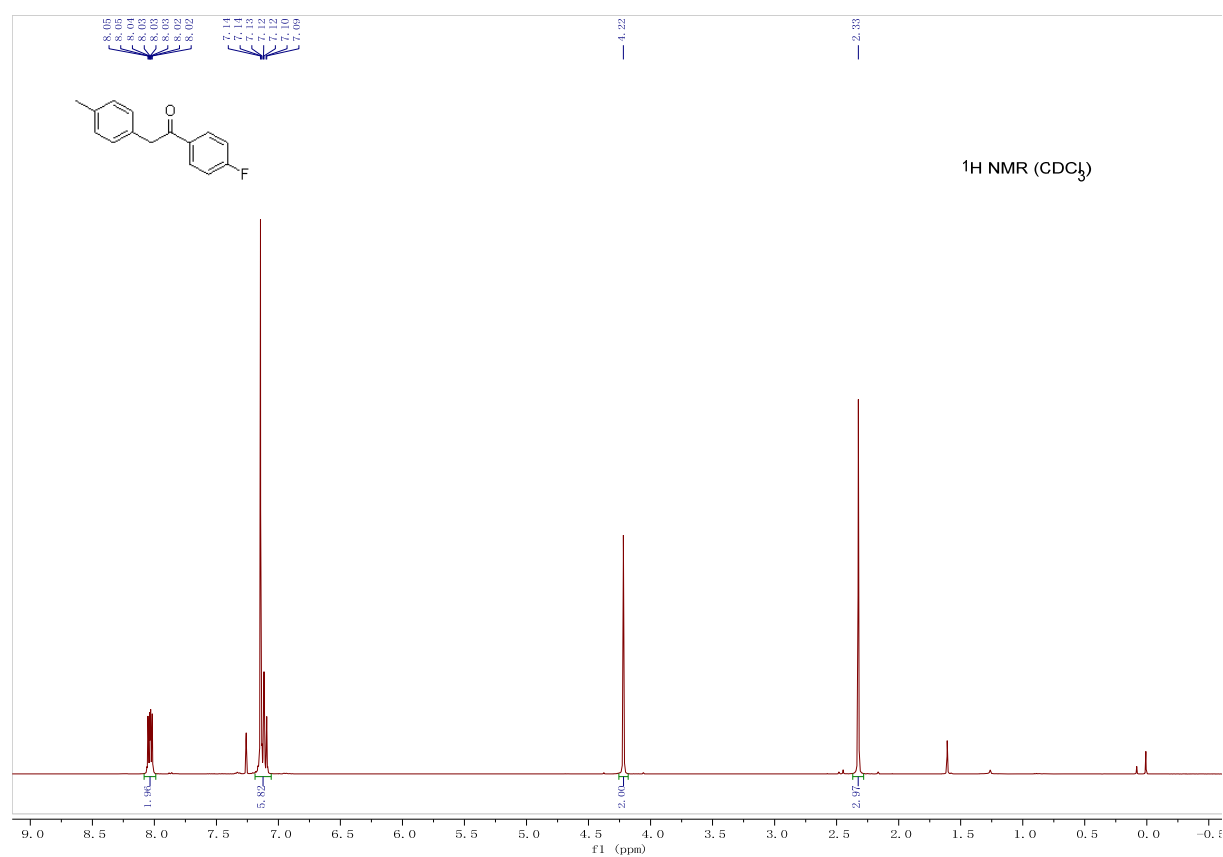
1-(naphthalen-2-yl)-2-(*p*-tolyl)ethan-1-one (**3r**)

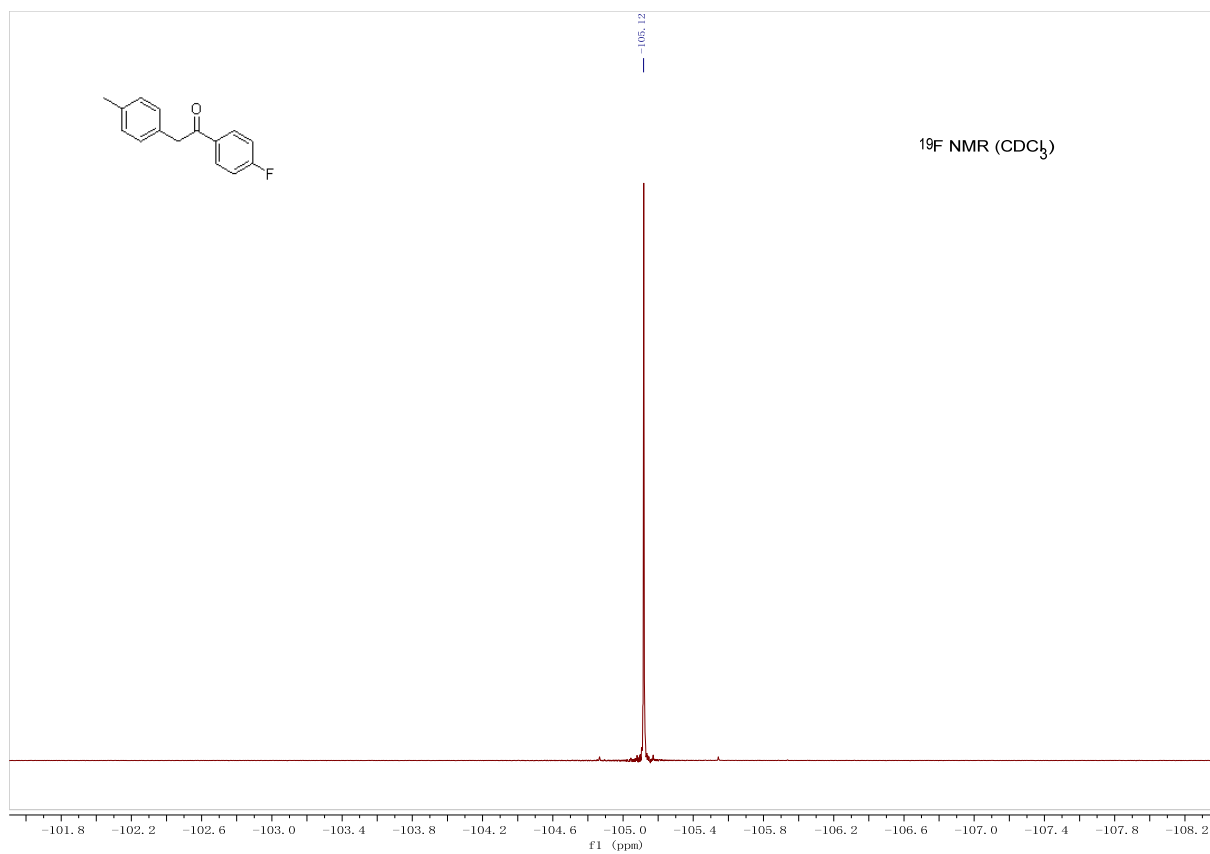


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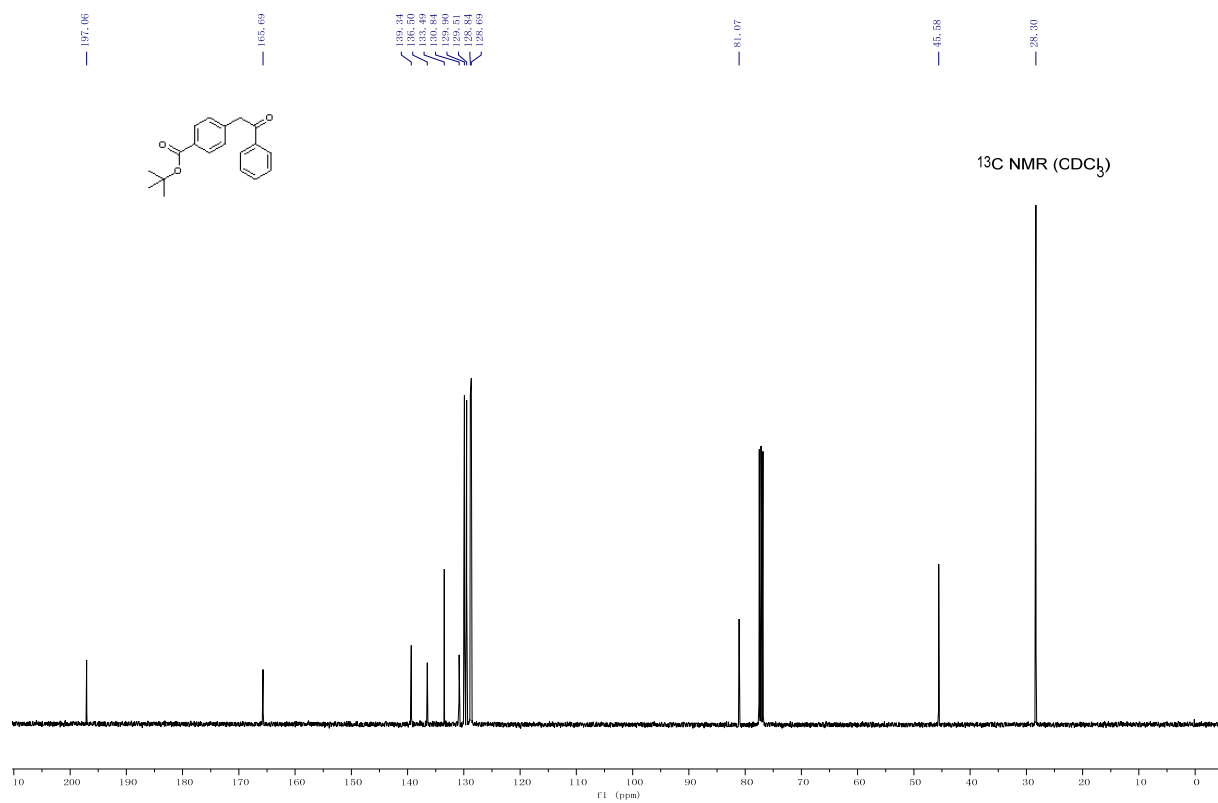
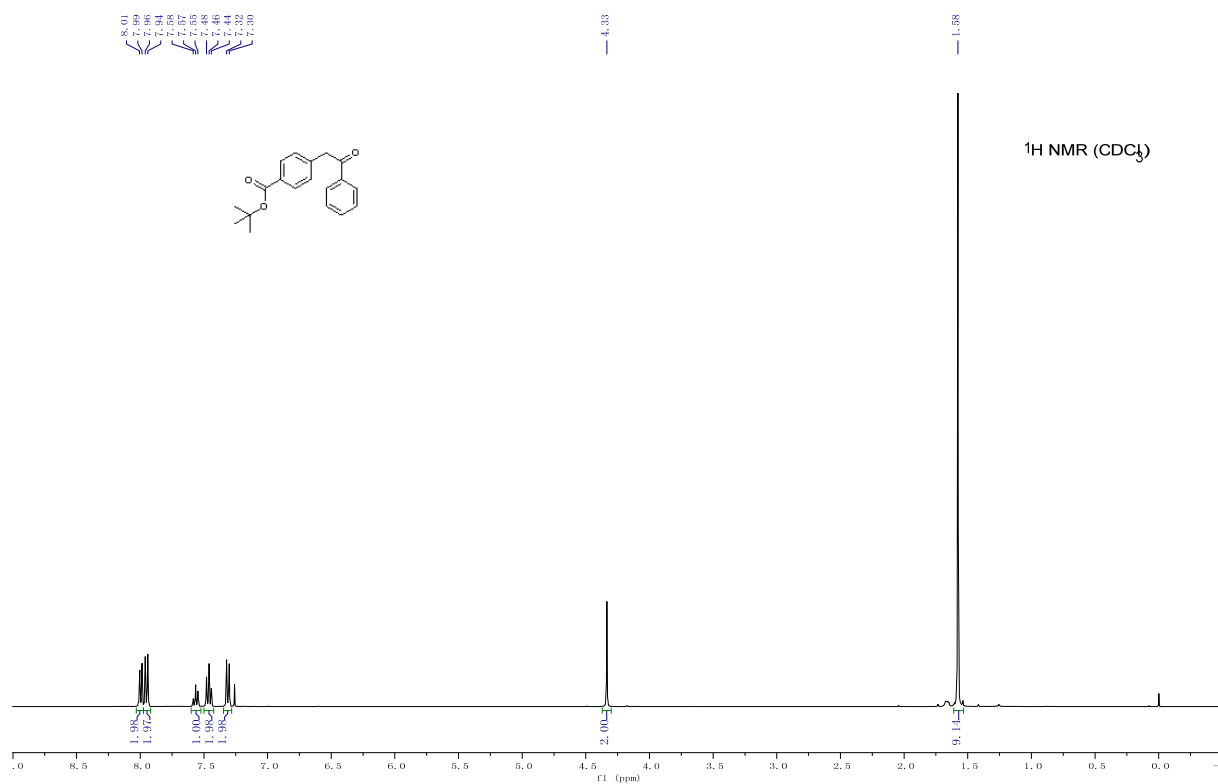


1-(4-fluorophenyl)-2-(*p*-tolyl)ethan-1-one (**3s**)

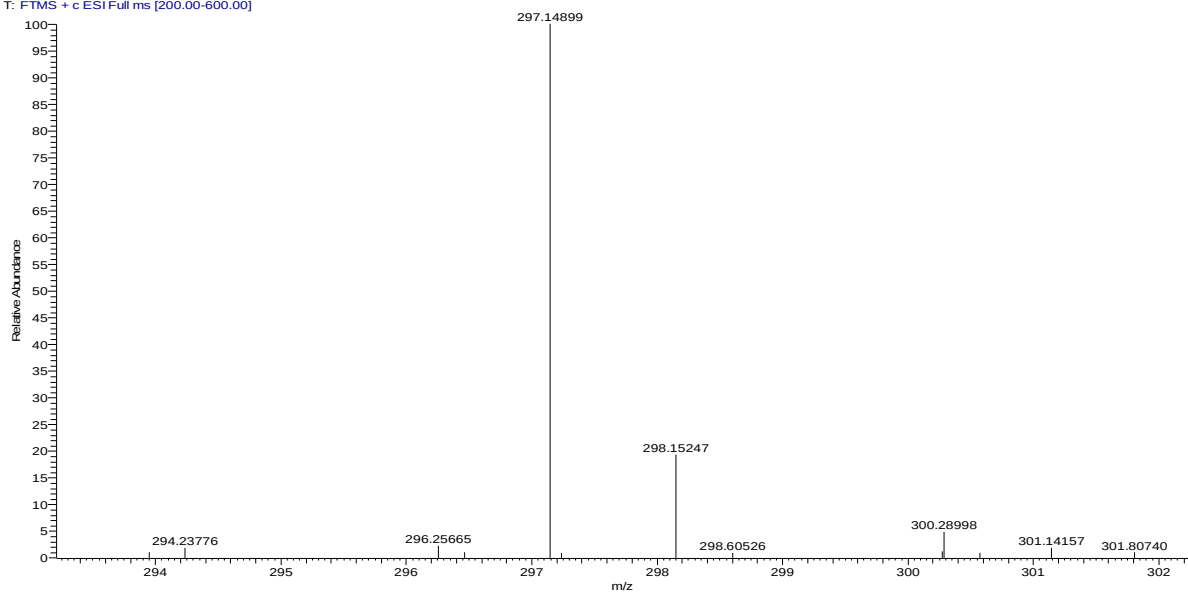




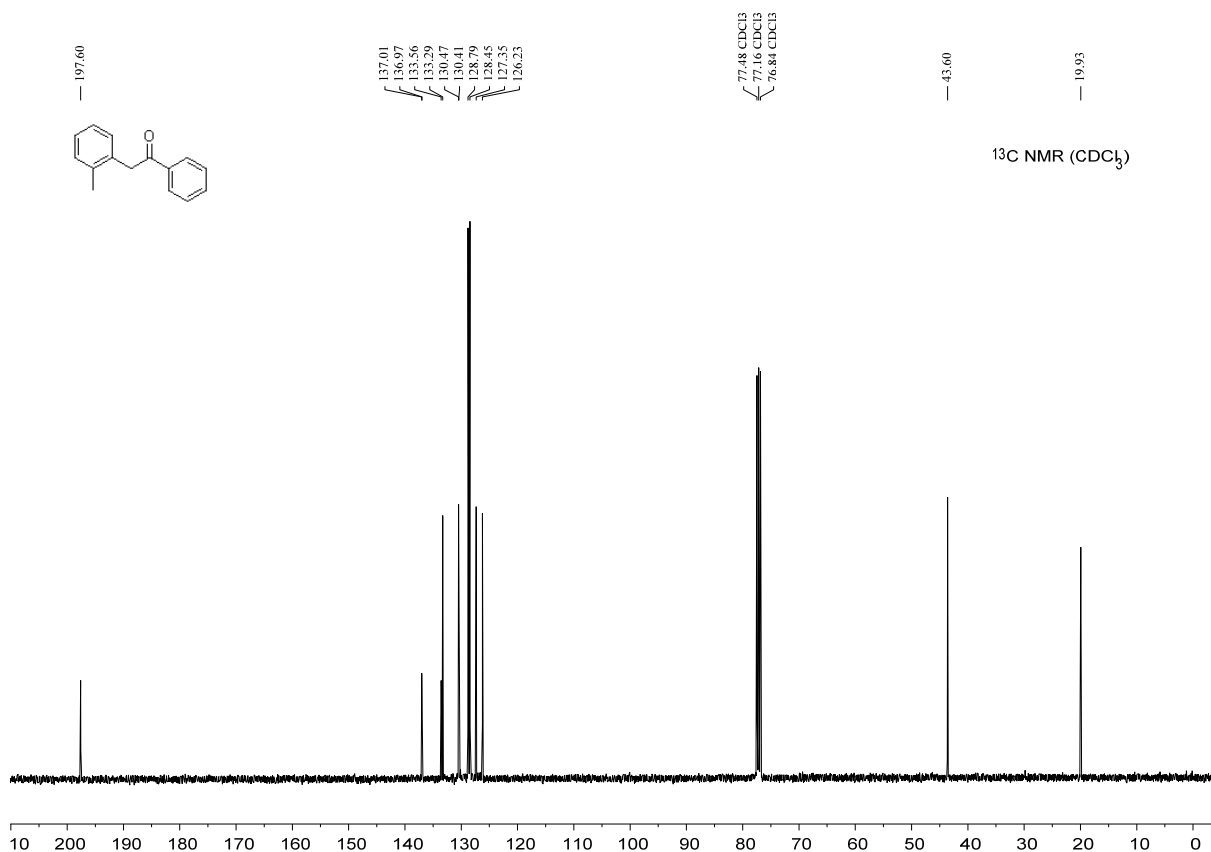
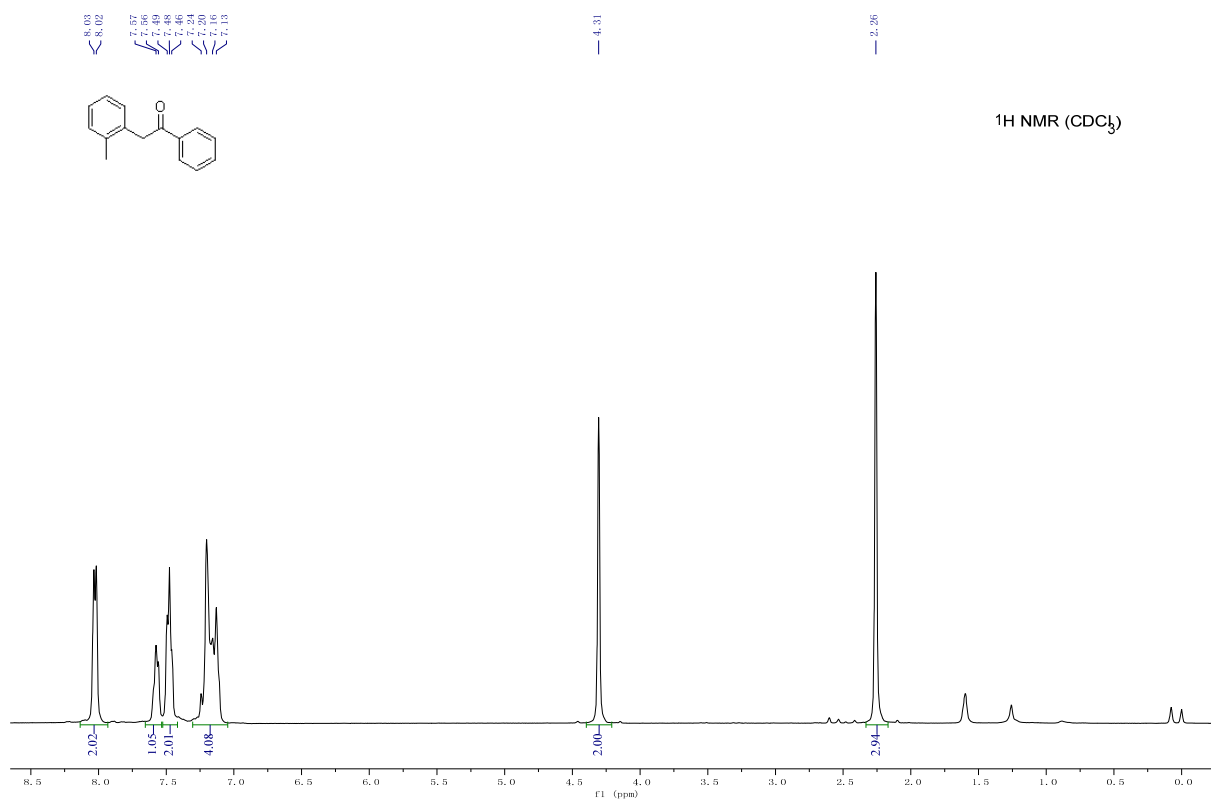
tert-butyl 4-(2-oxo-2-phenylethyl)benzoate (**3t**)



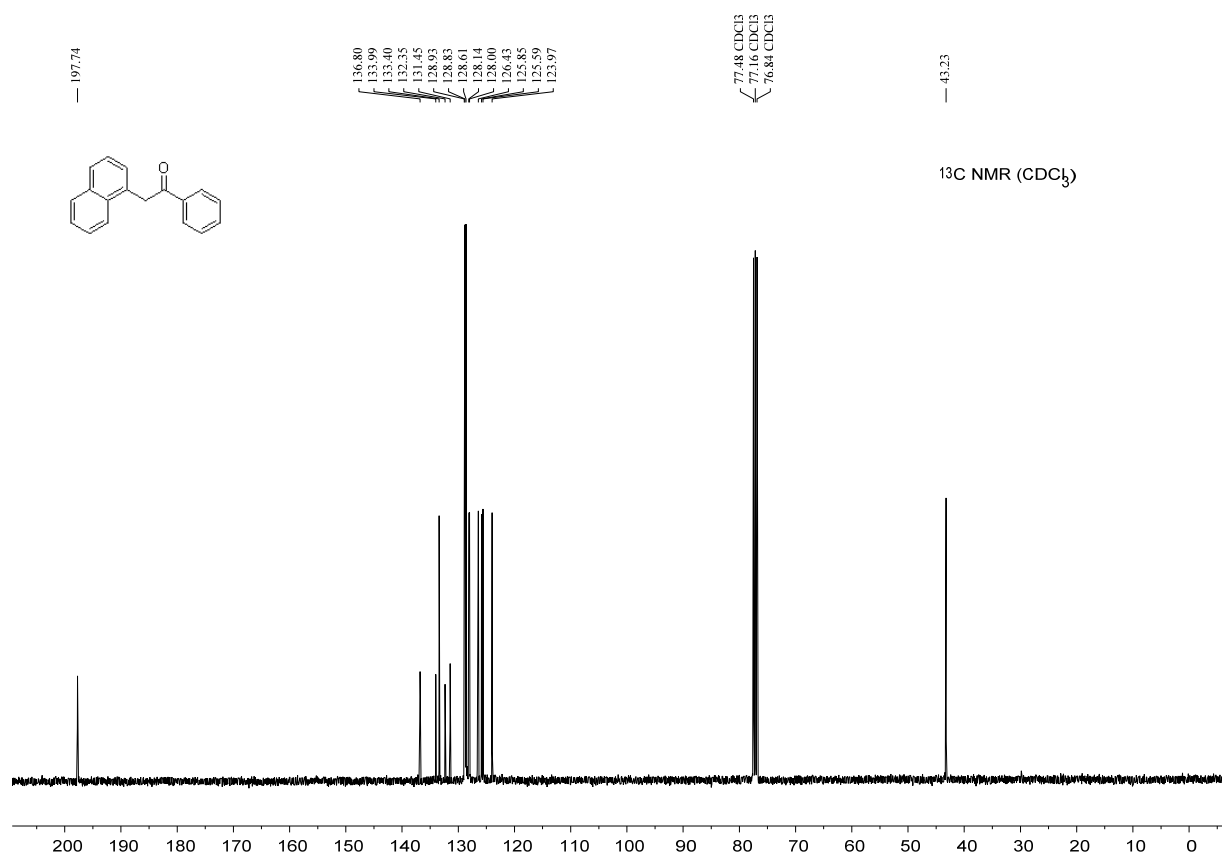
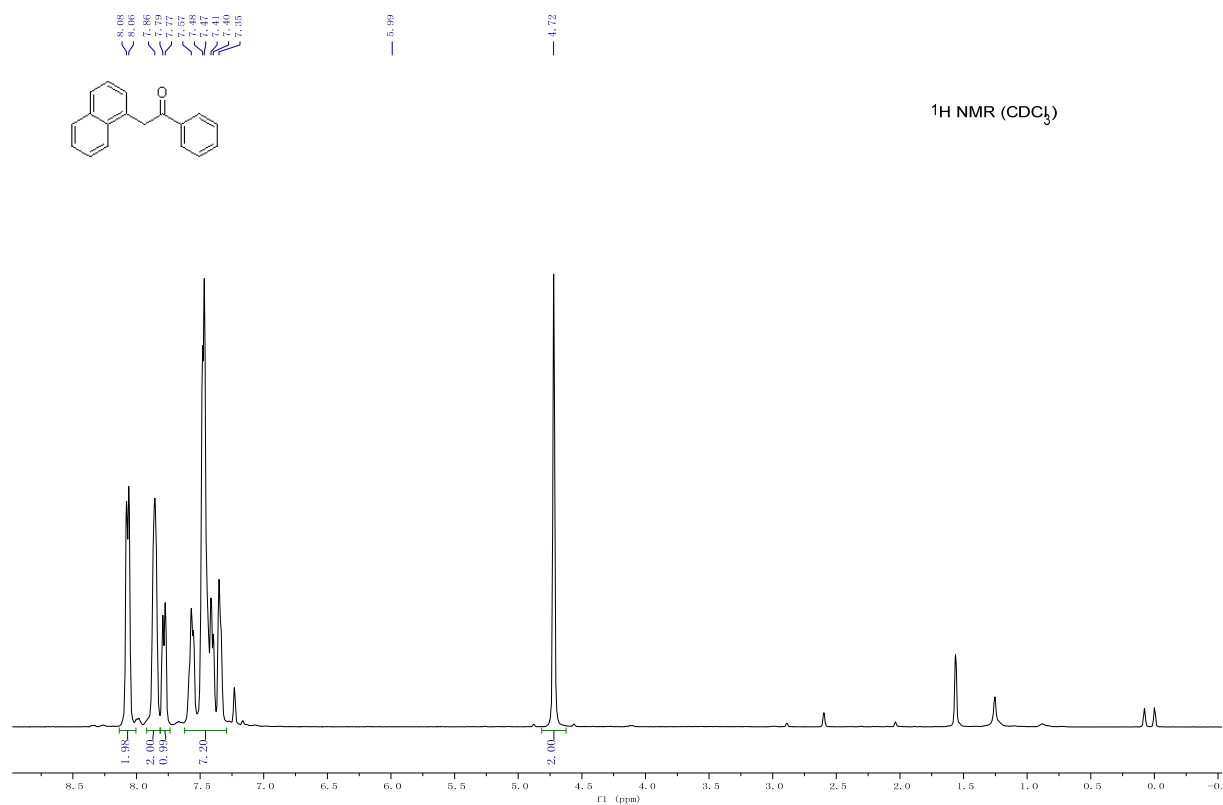
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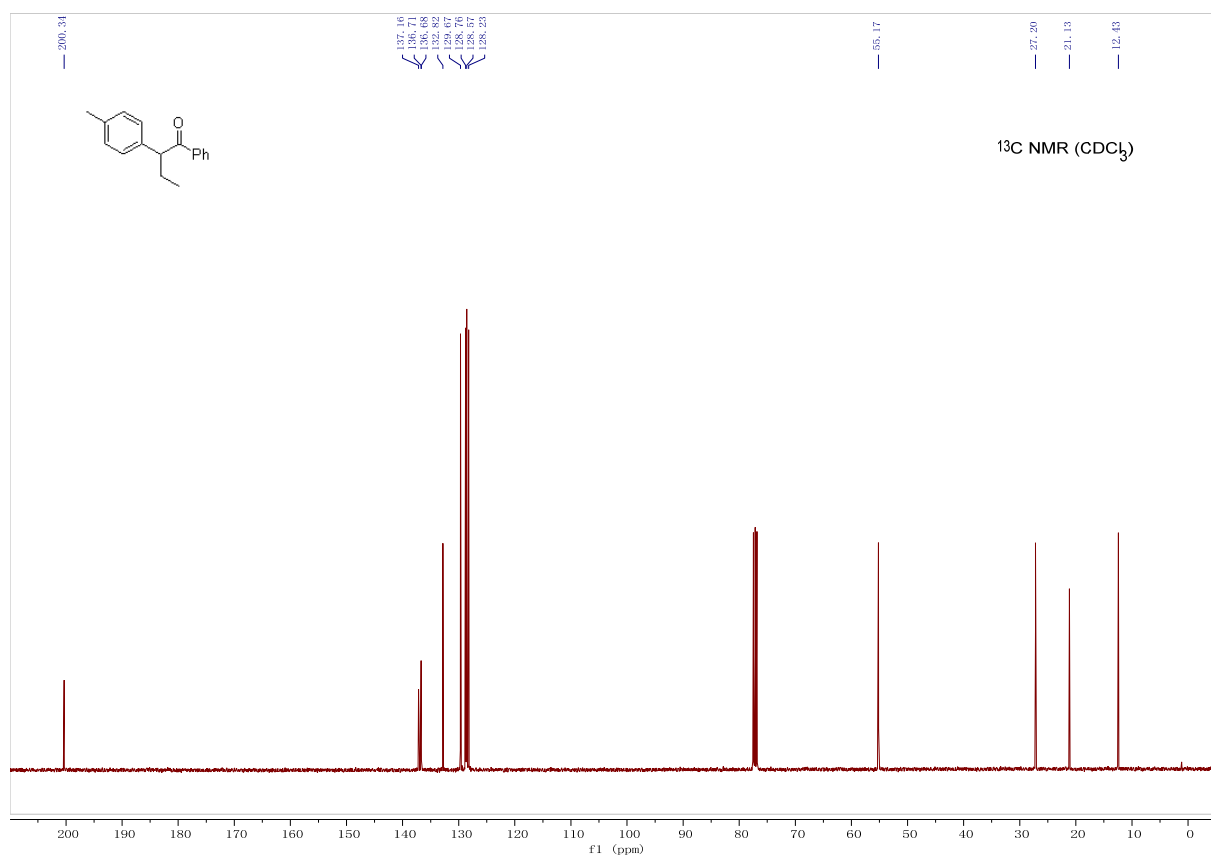
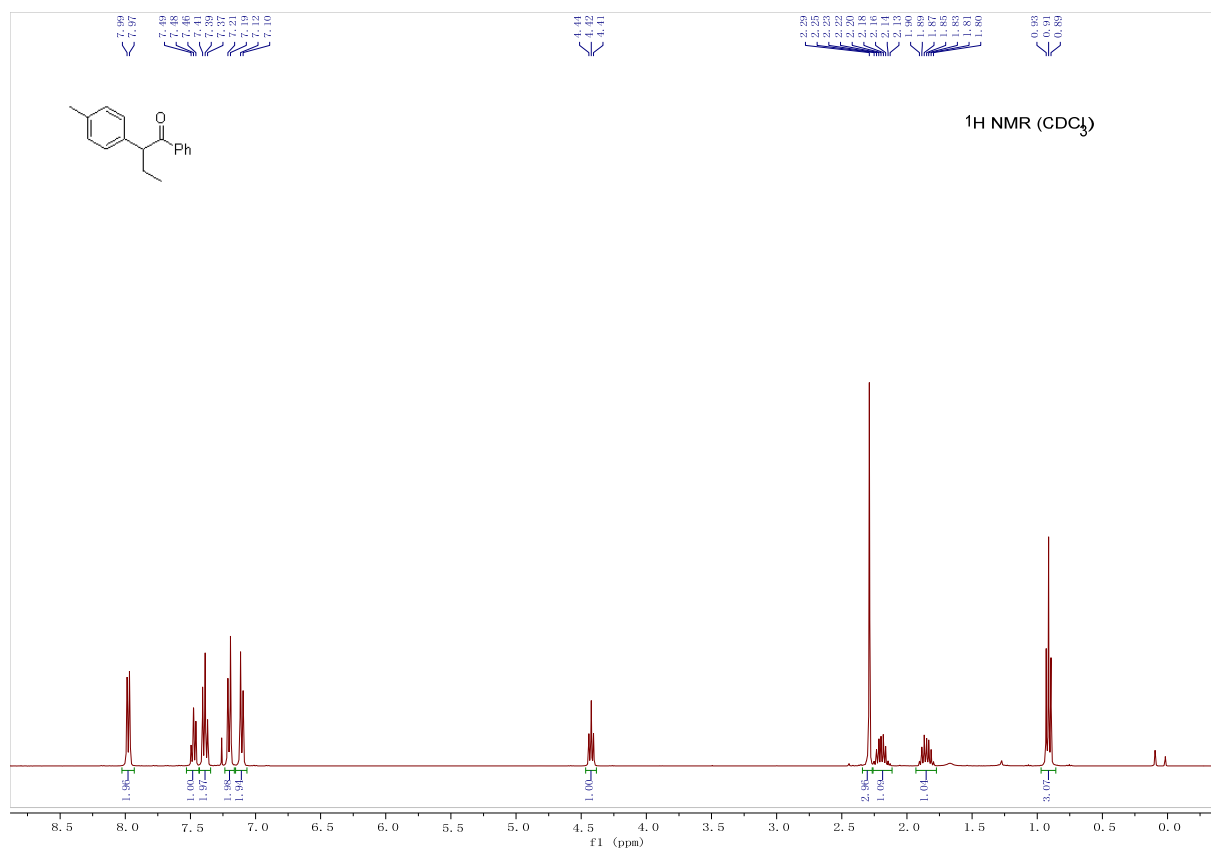
1-phenyl-2-(*o*-tolyl)ethanone (**3u**)



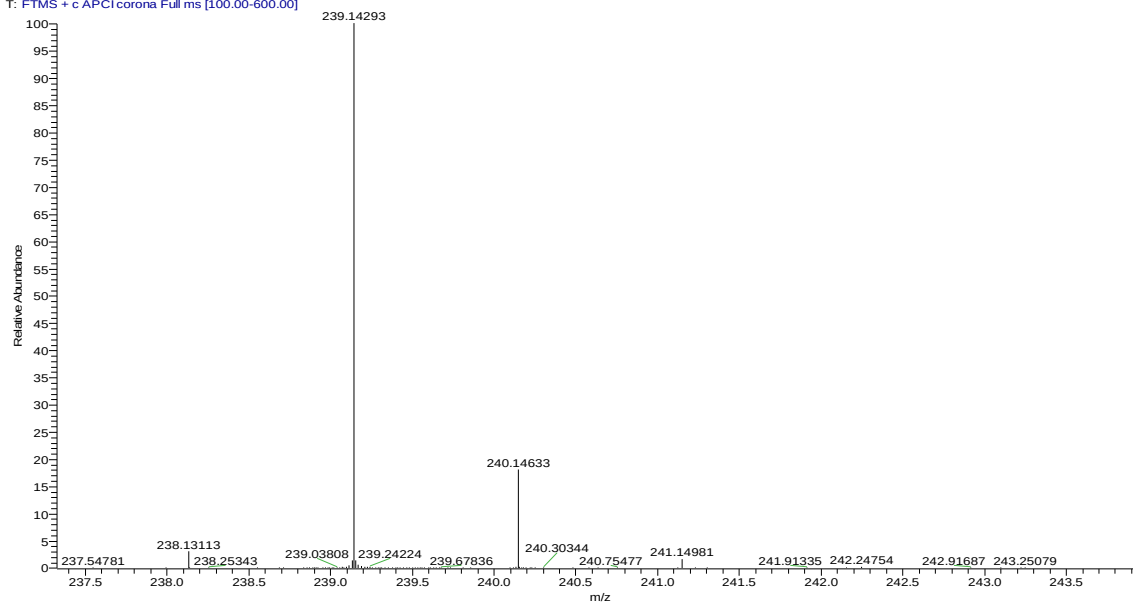
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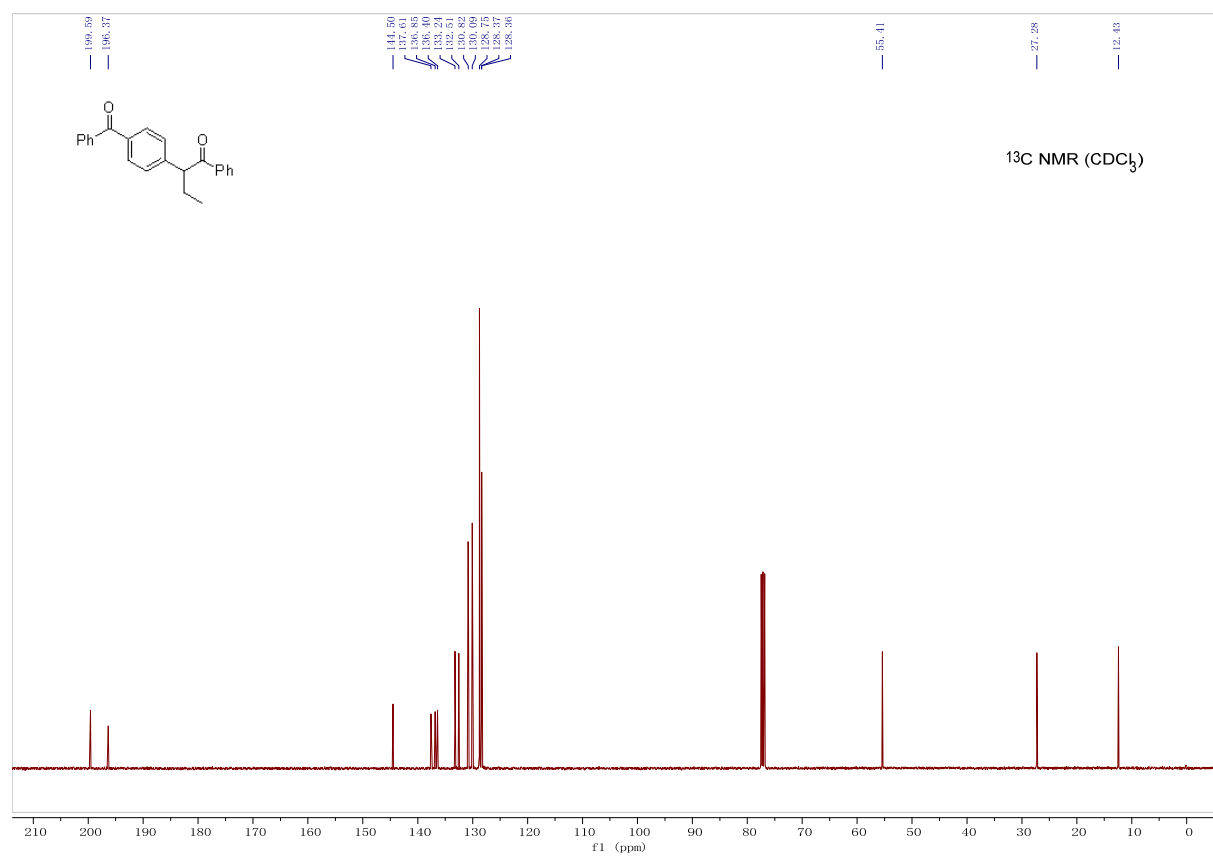
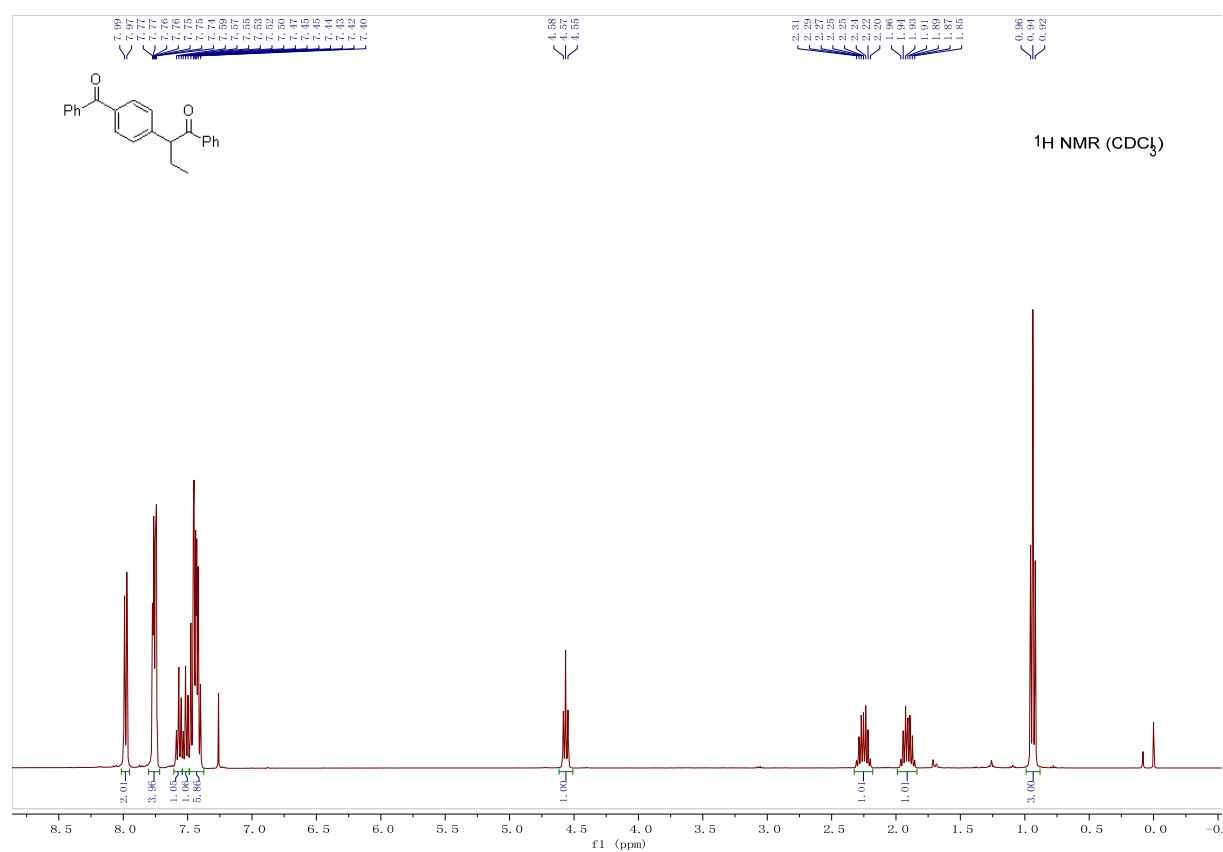
1-phenyl-2-(*p*-tolyl)butan-1-one (**3w**)



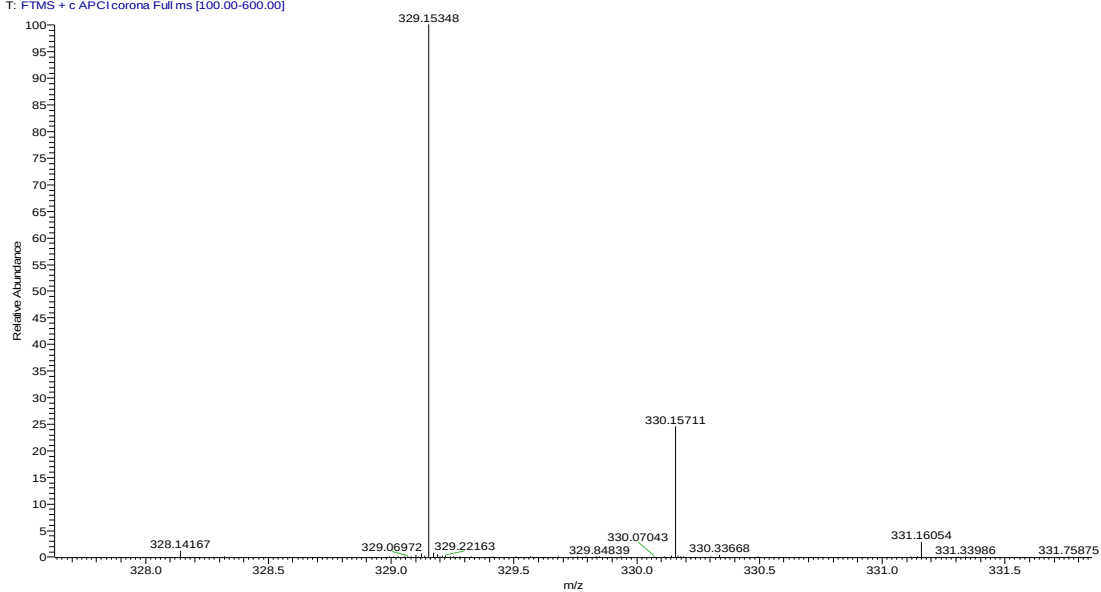
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2-(4-benzoylphenyl)-1-phenylbutan-1-one (**3x**)



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2-(*p*-tolyl)-3,4-dihydronaphthalen-1(2*H*)-one (**3y**)

