

SUPPLEMENTARY INFORMATION

Metal-Free Iodine-Promoted Direct Synthesis of Unsymmetrical Triarylmethanes

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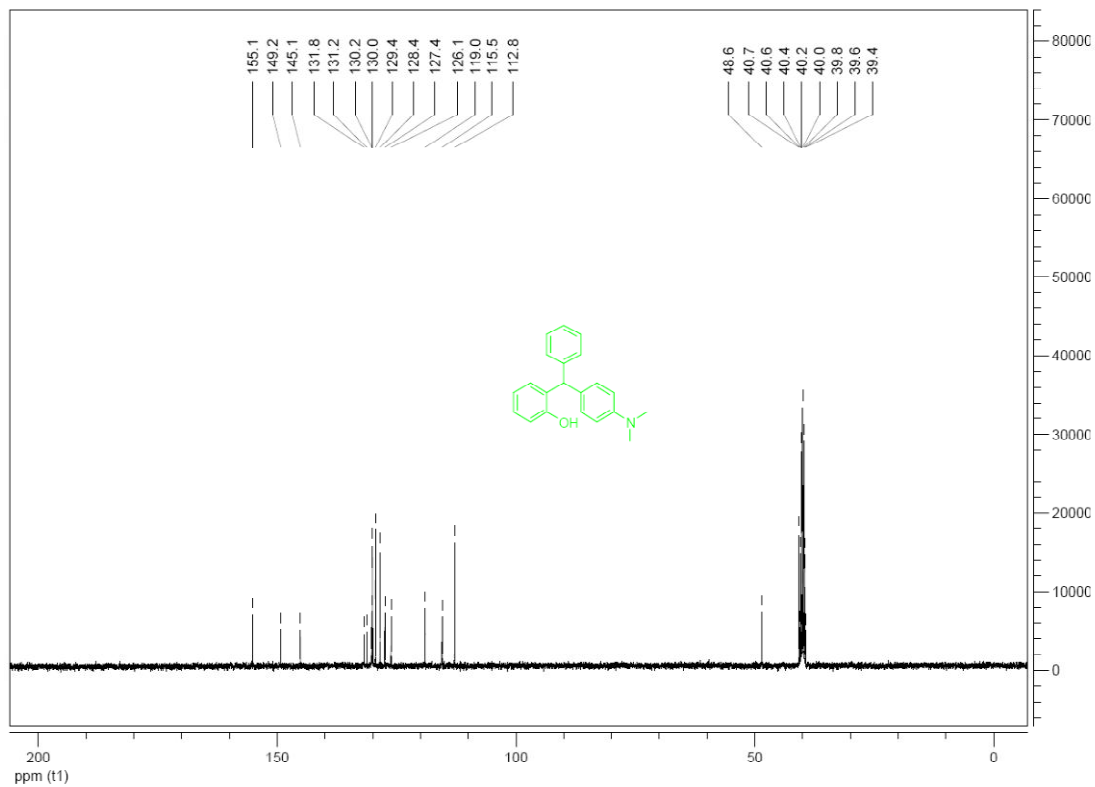
^cKey Laboratory for Water Environment and Resources, Tianjin Normal University, Tianjin, 300387, China.

[†]These authors contributed equally to this work.

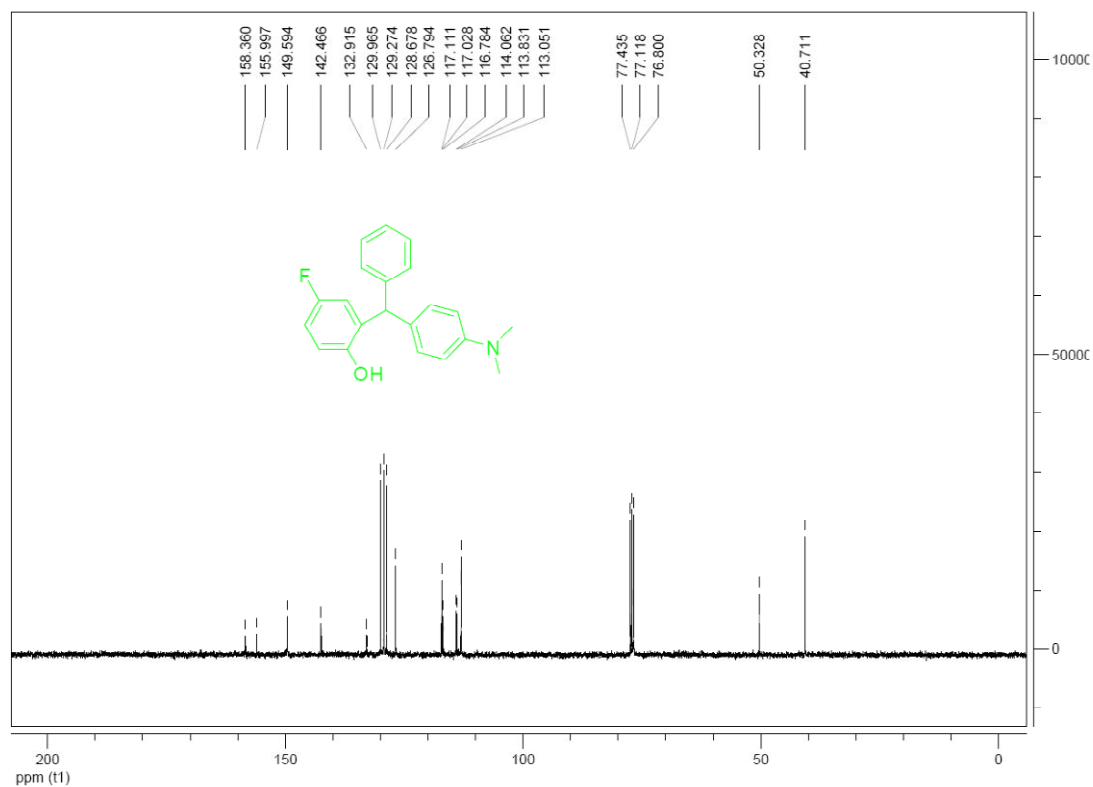
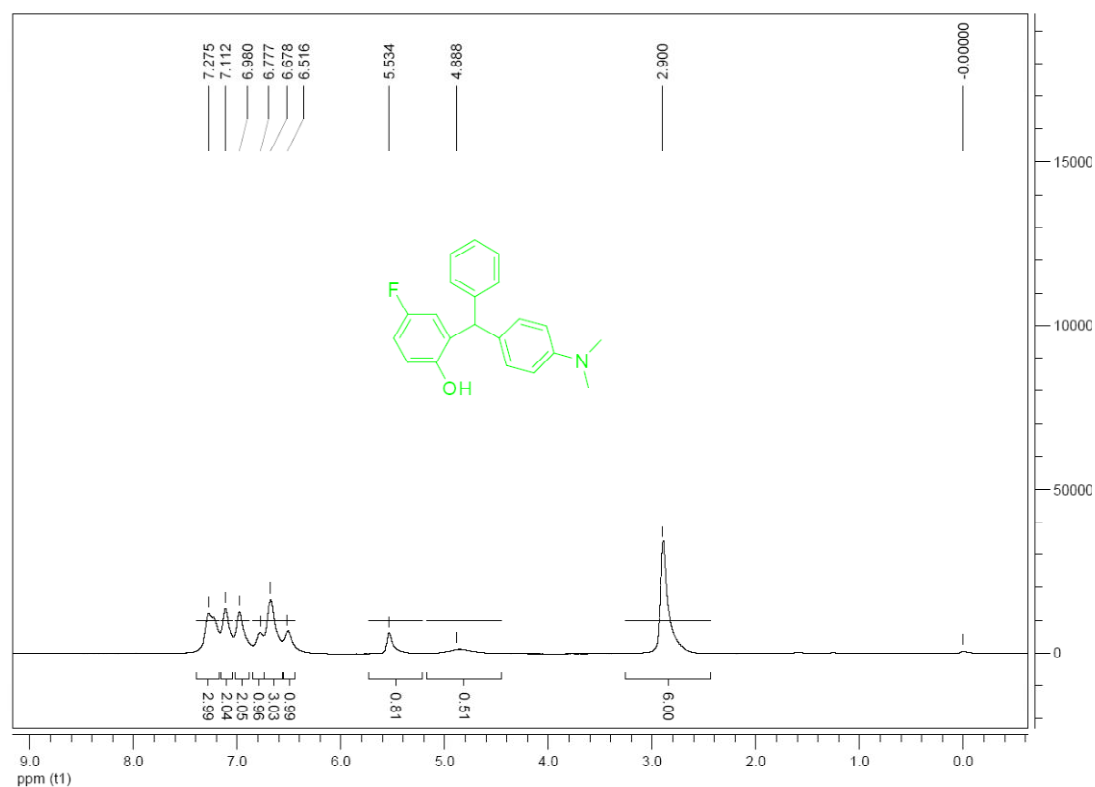
Table of contents

Spectroscopic Data for Compounds 4	2
Spectroscopic Data for Compound 5.....	29
Spectroscopic Data for Compound 6.....	30

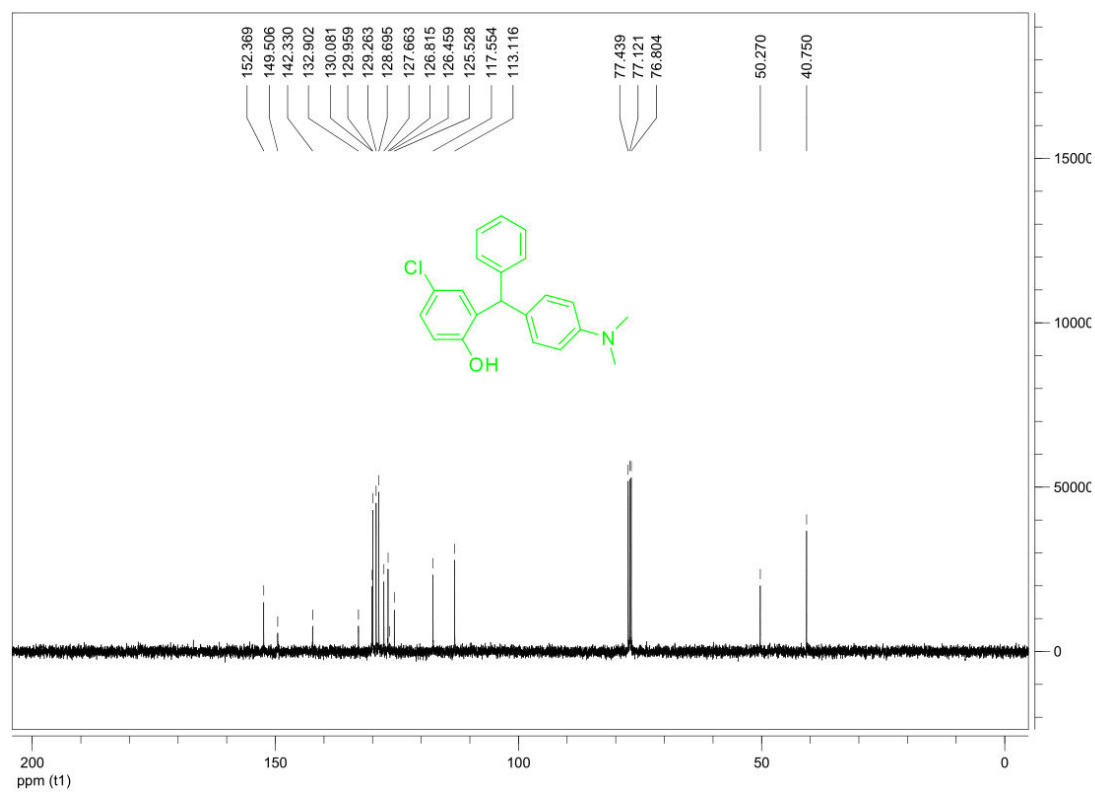
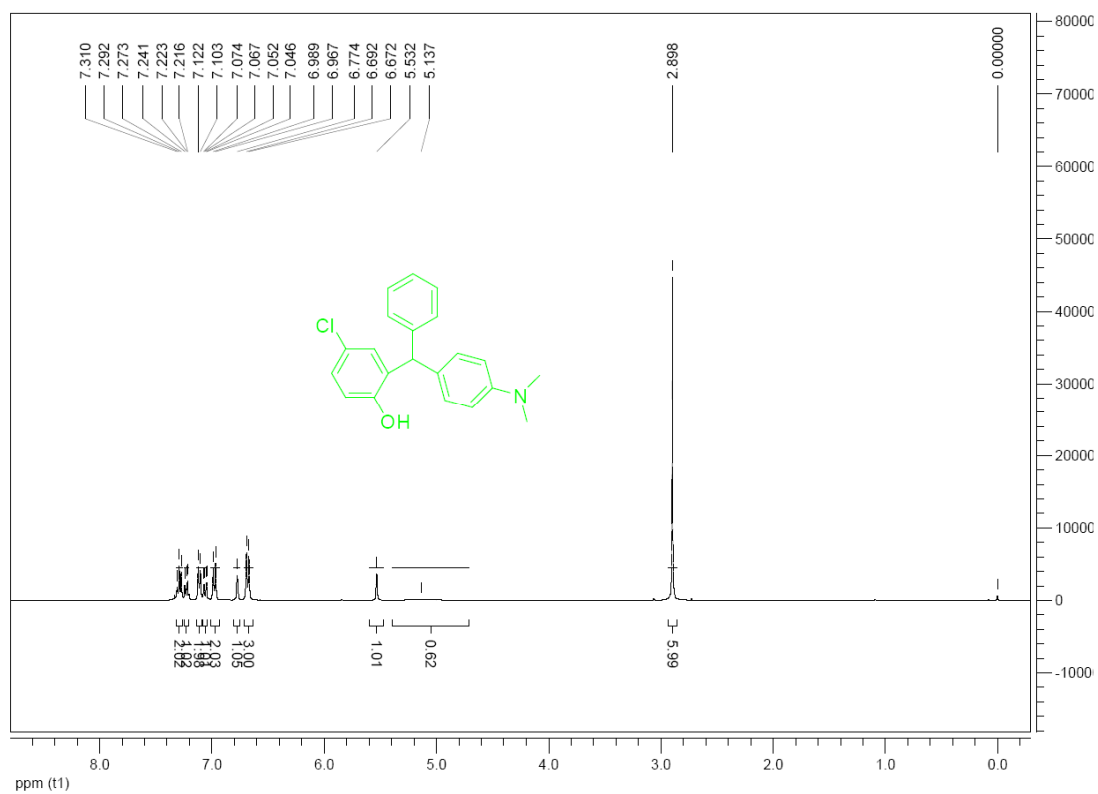
2-((4-(Dimethylamino)phenyl)(phenyl)methyl)phenol (4a)



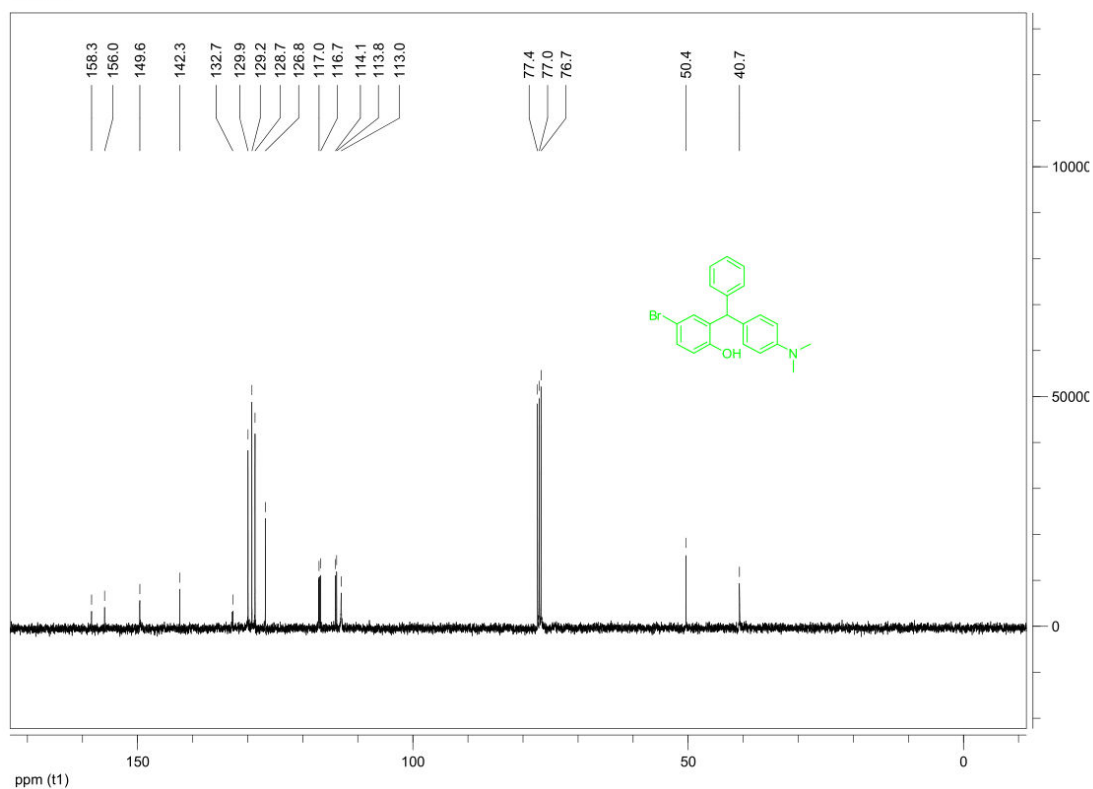
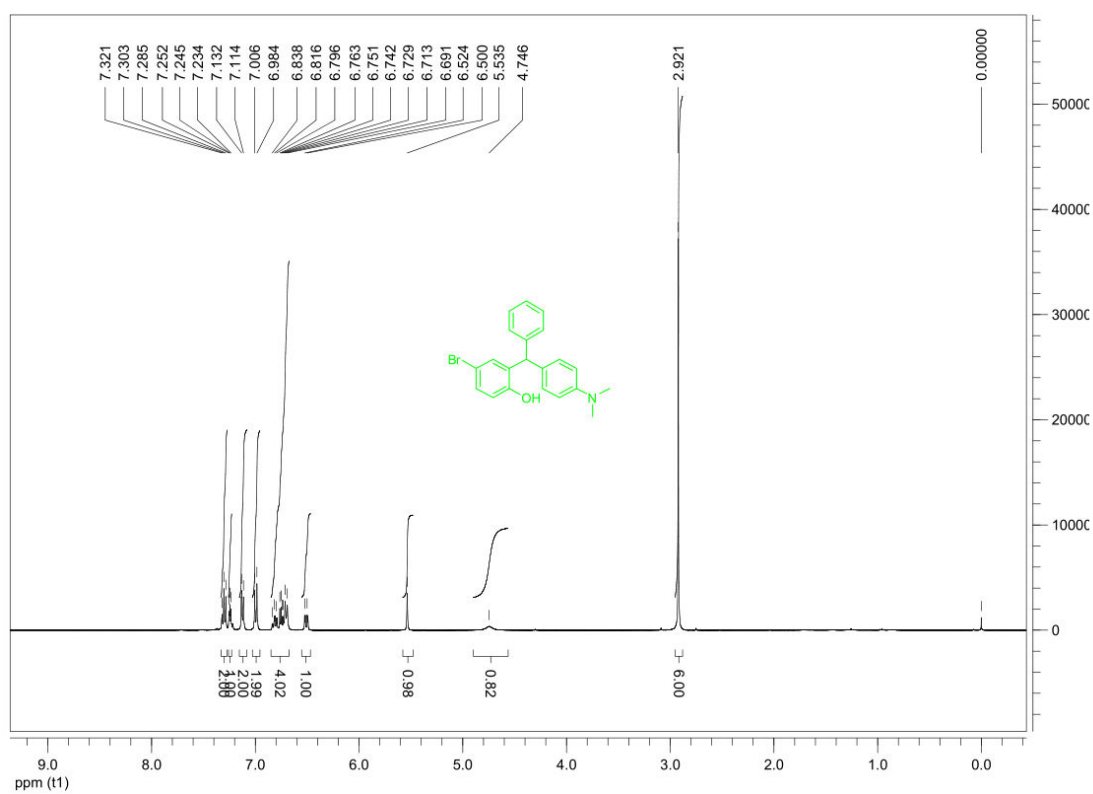
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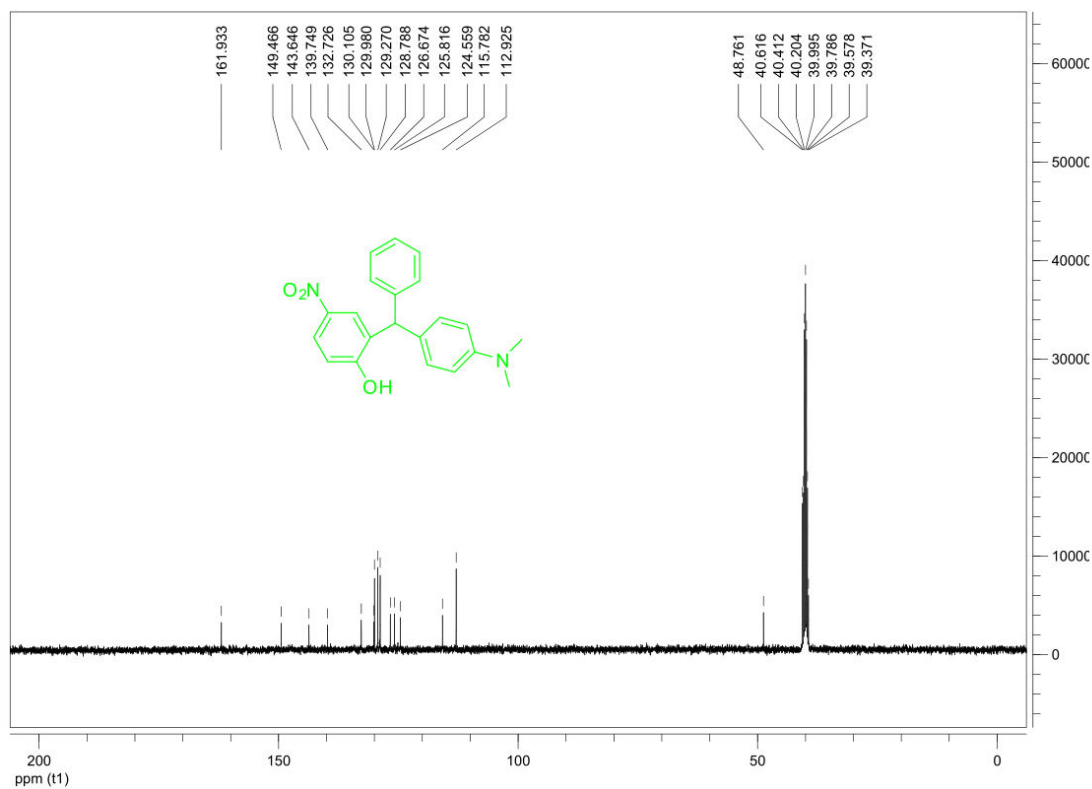
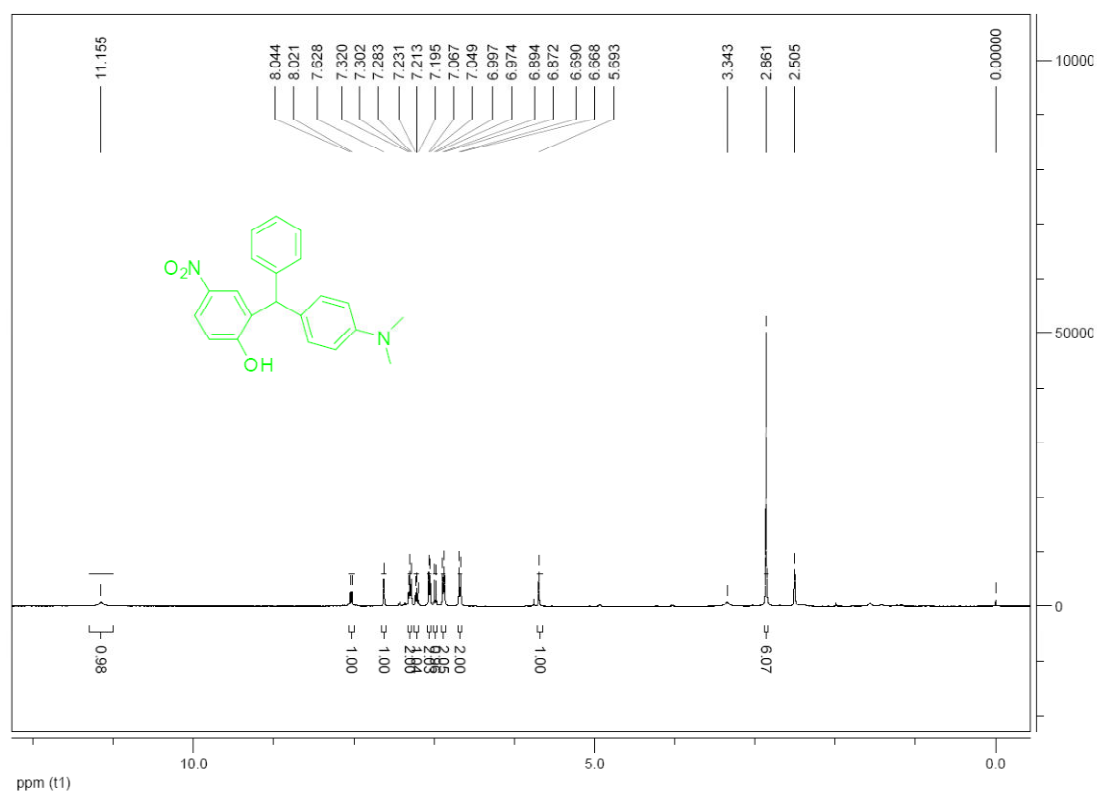
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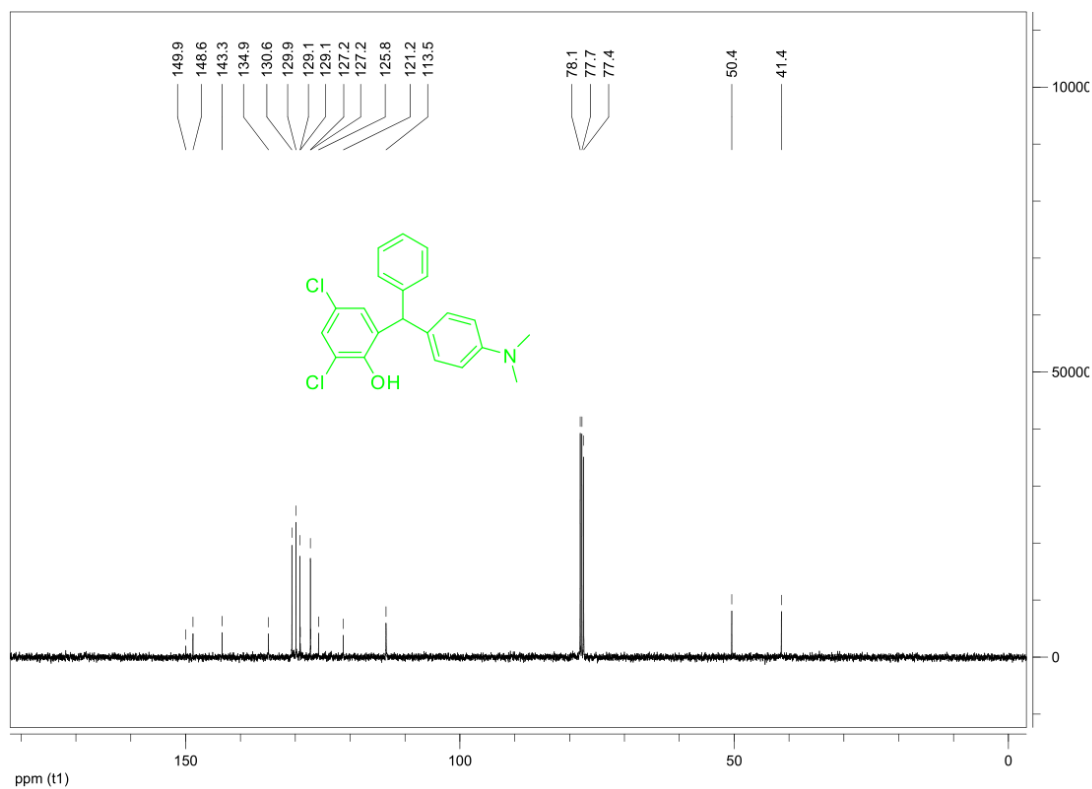
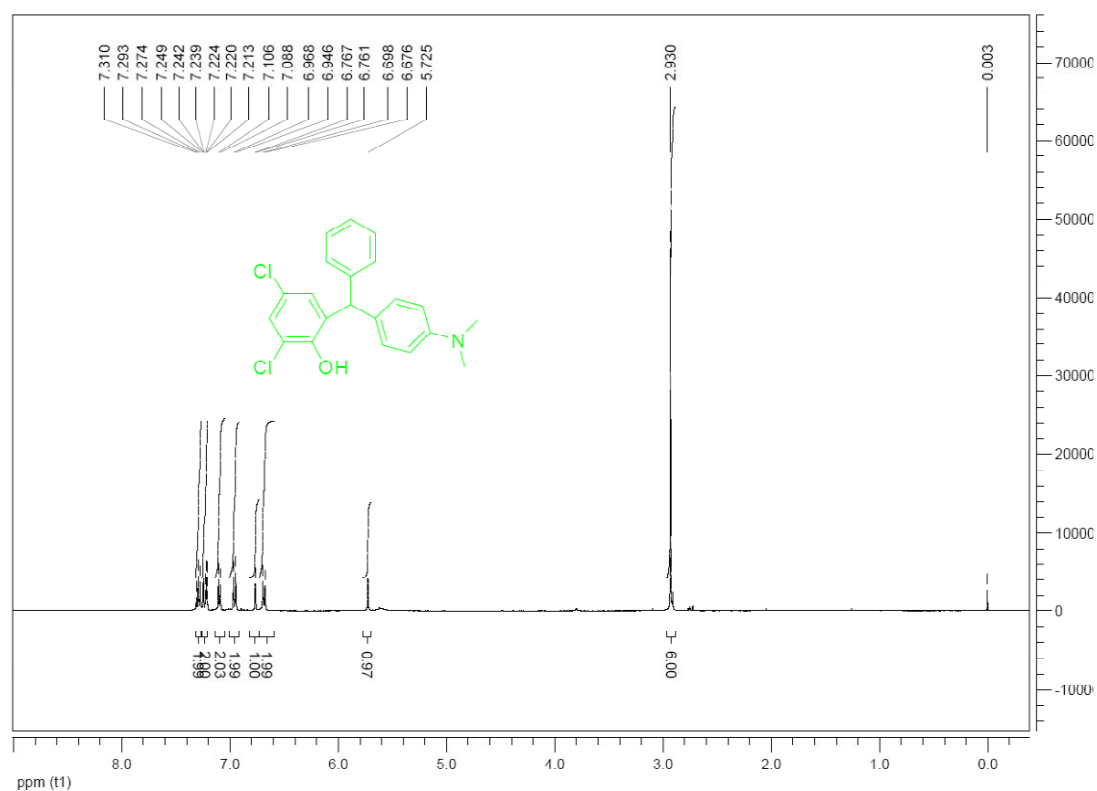
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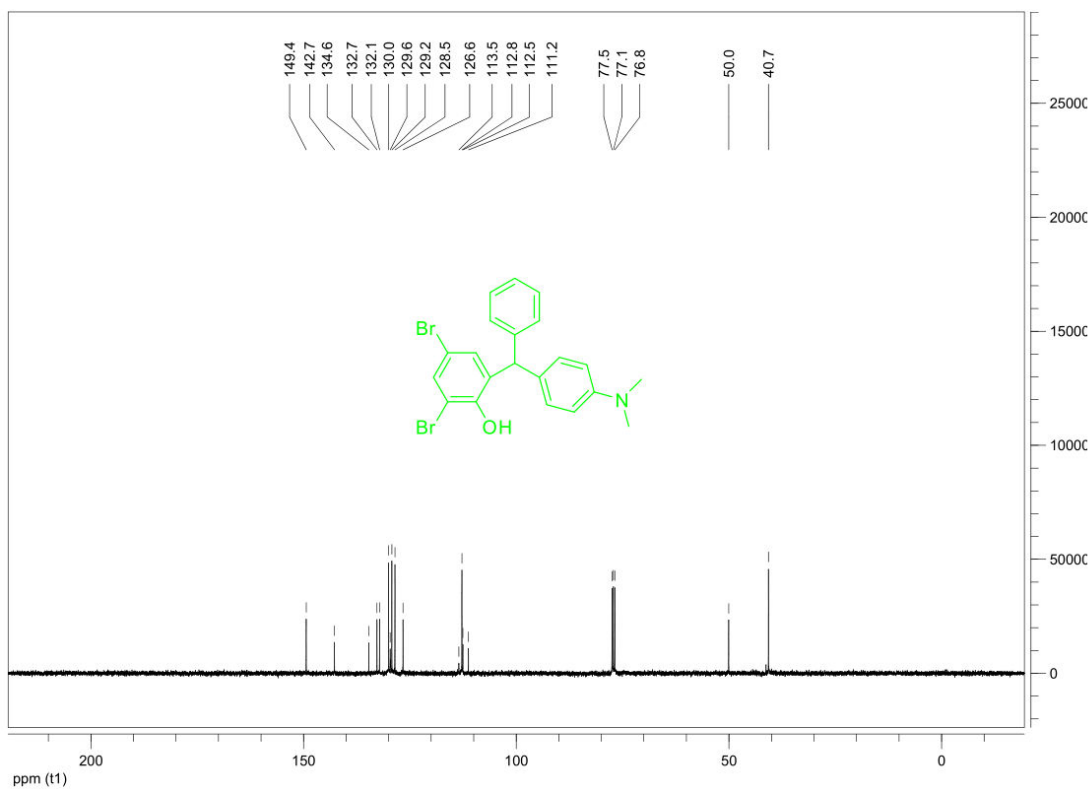
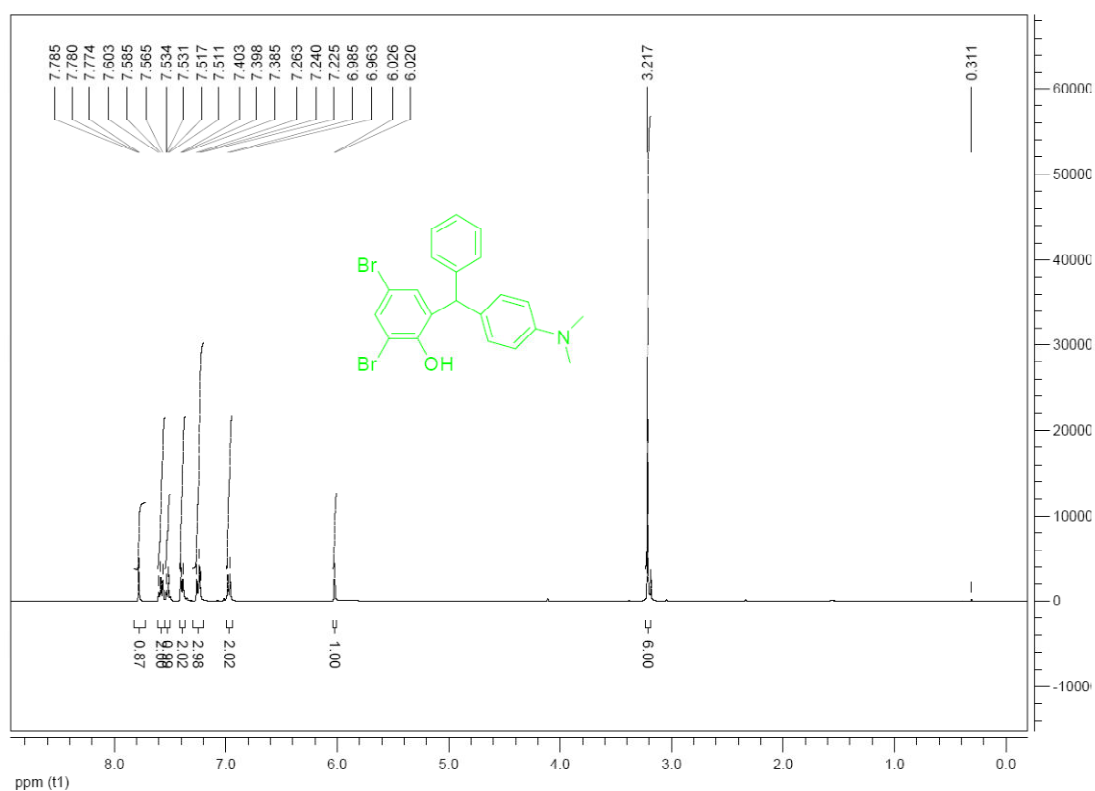
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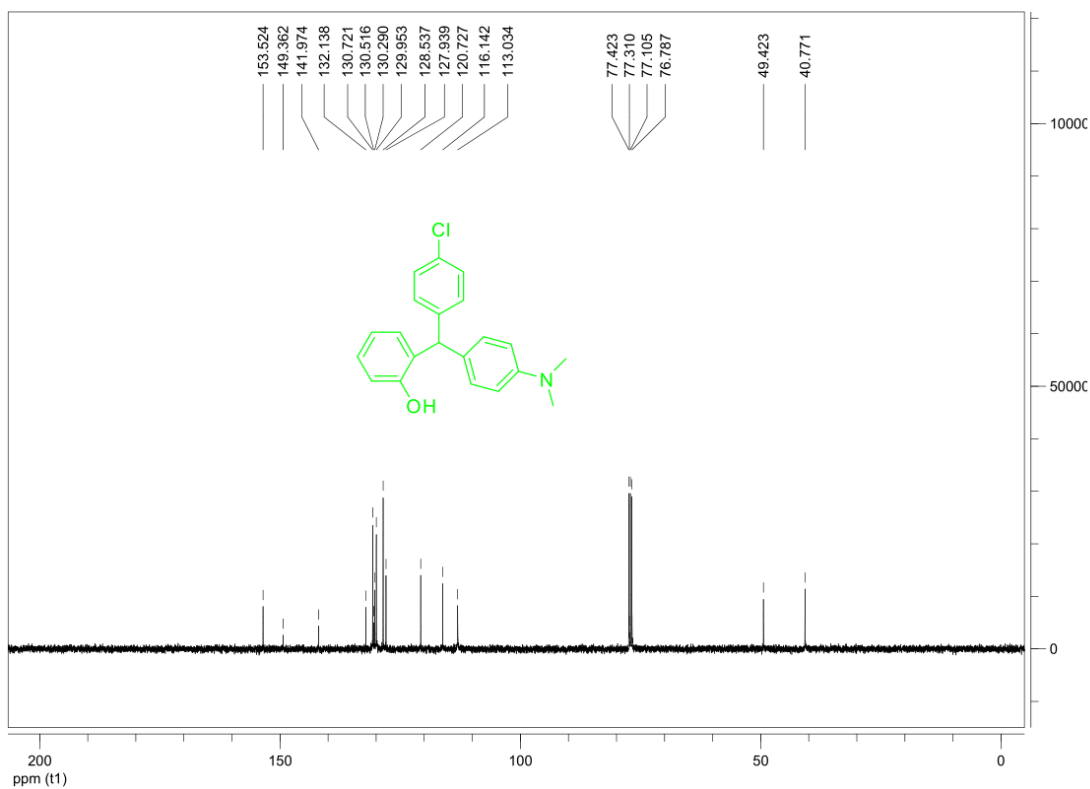
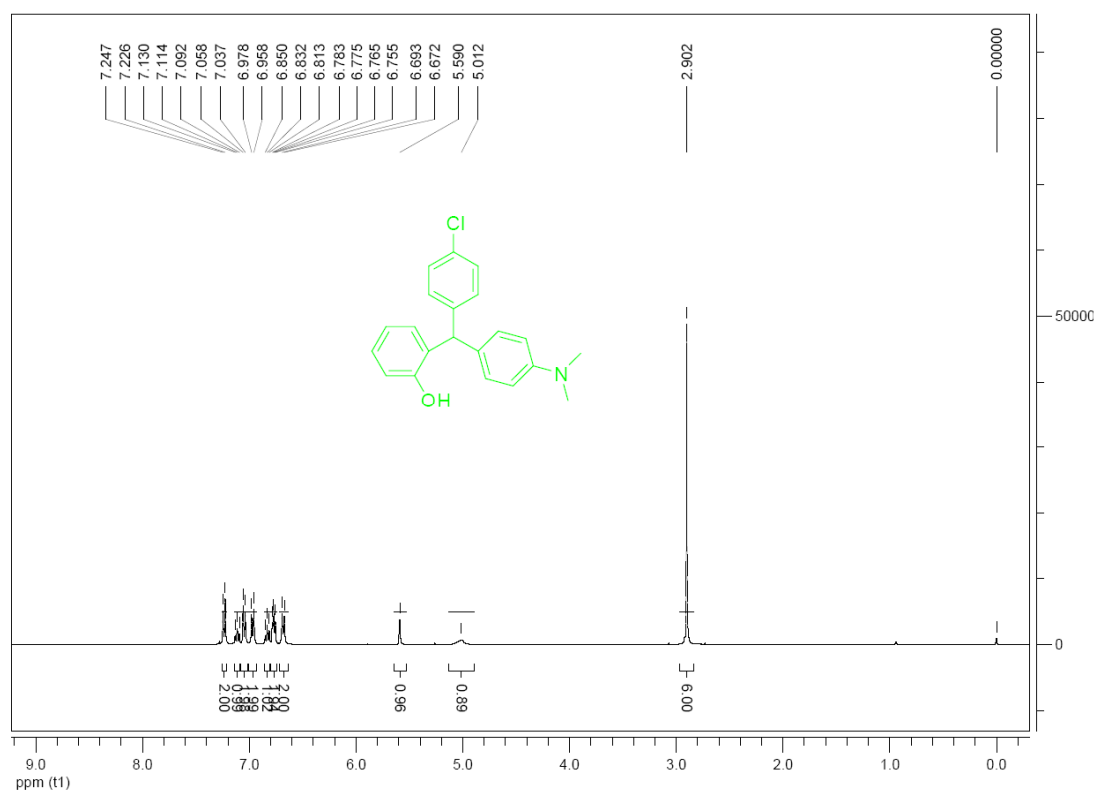
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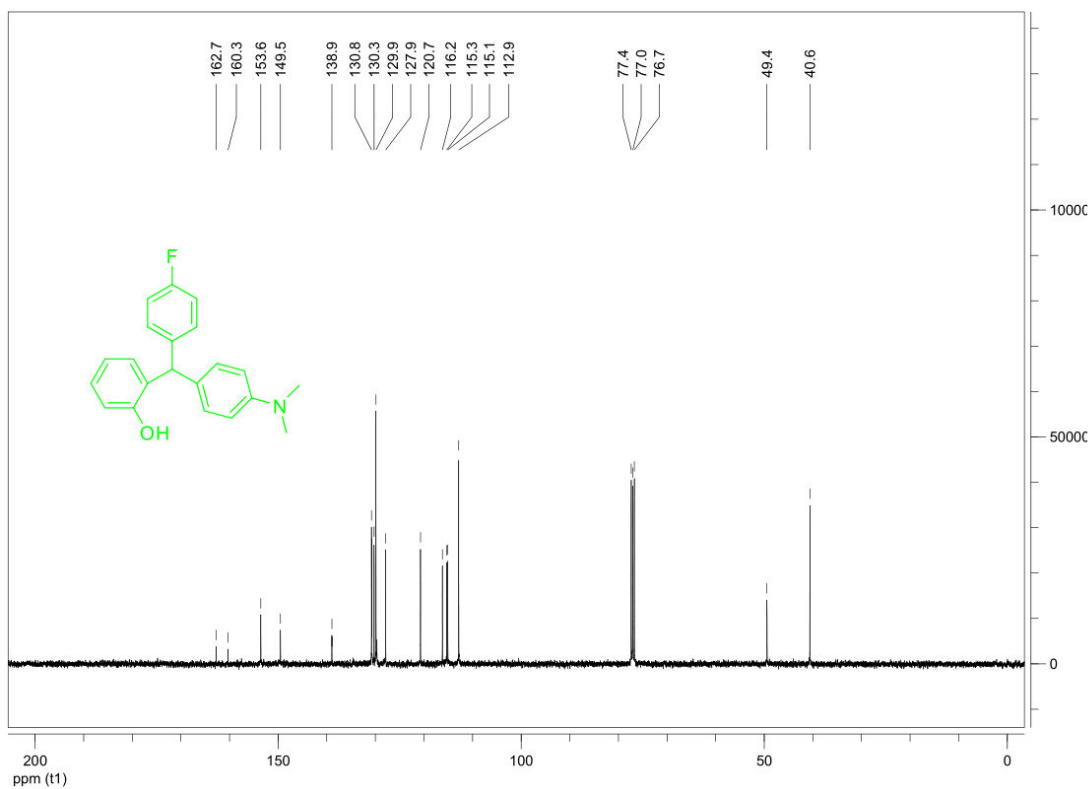
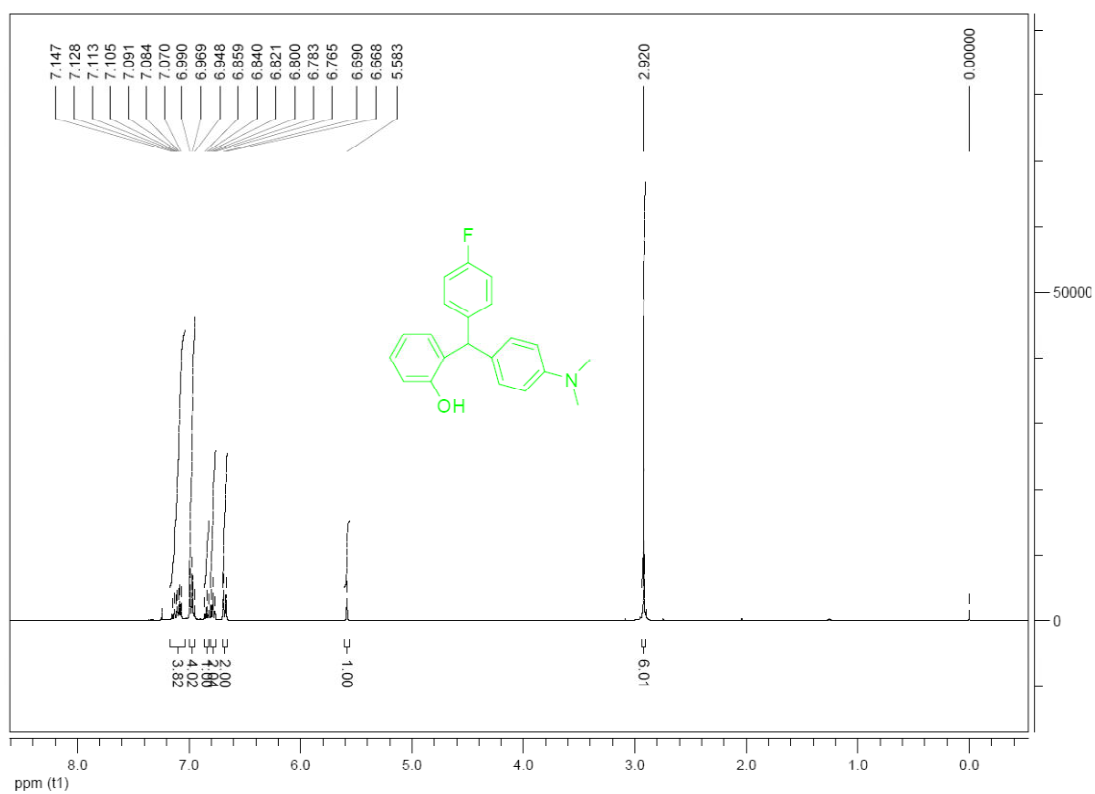
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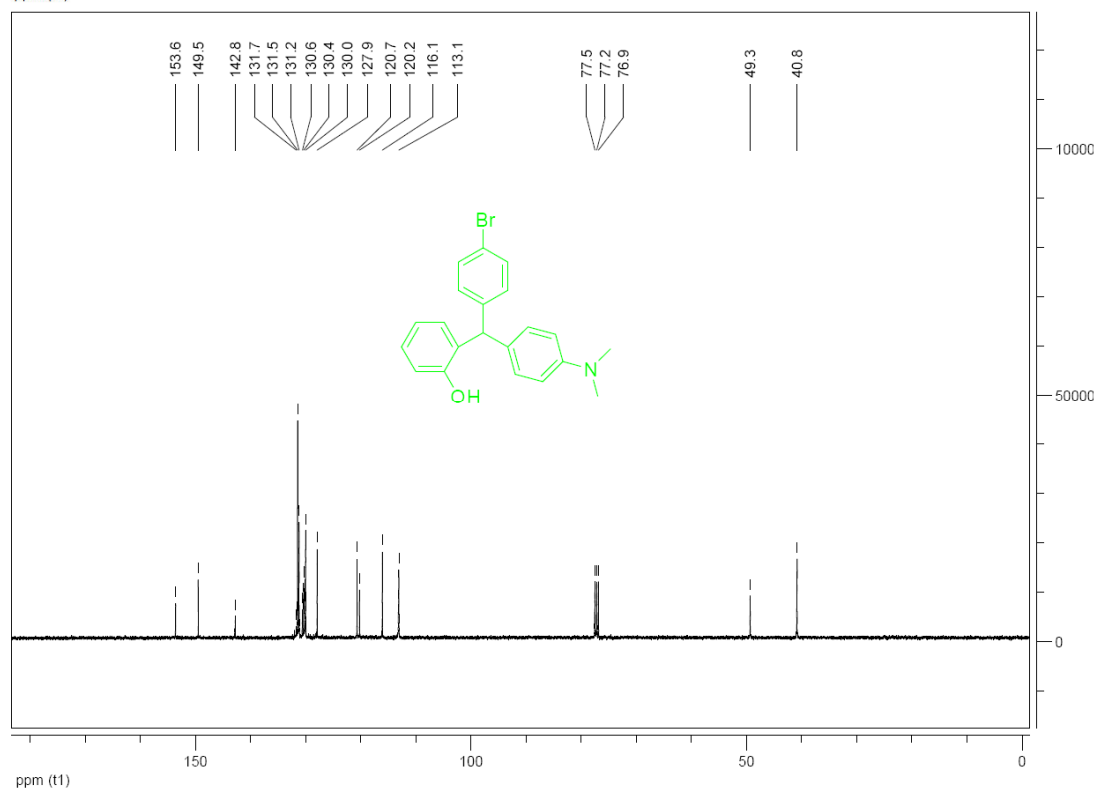
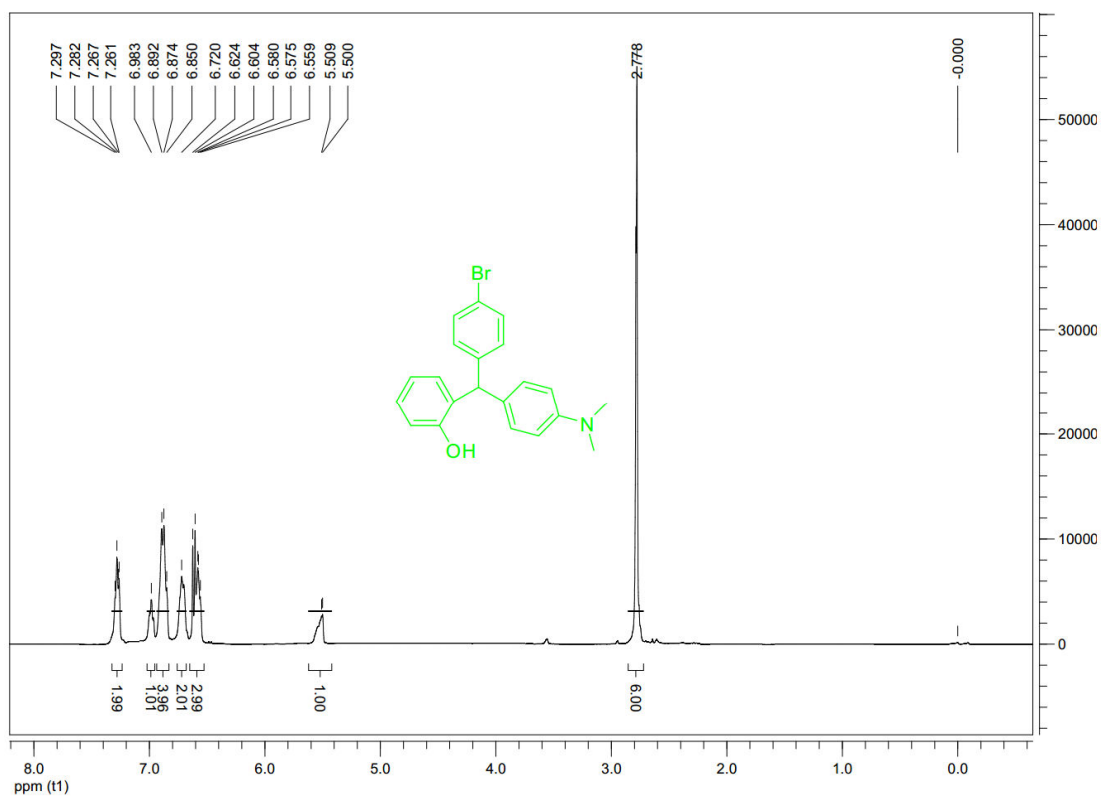
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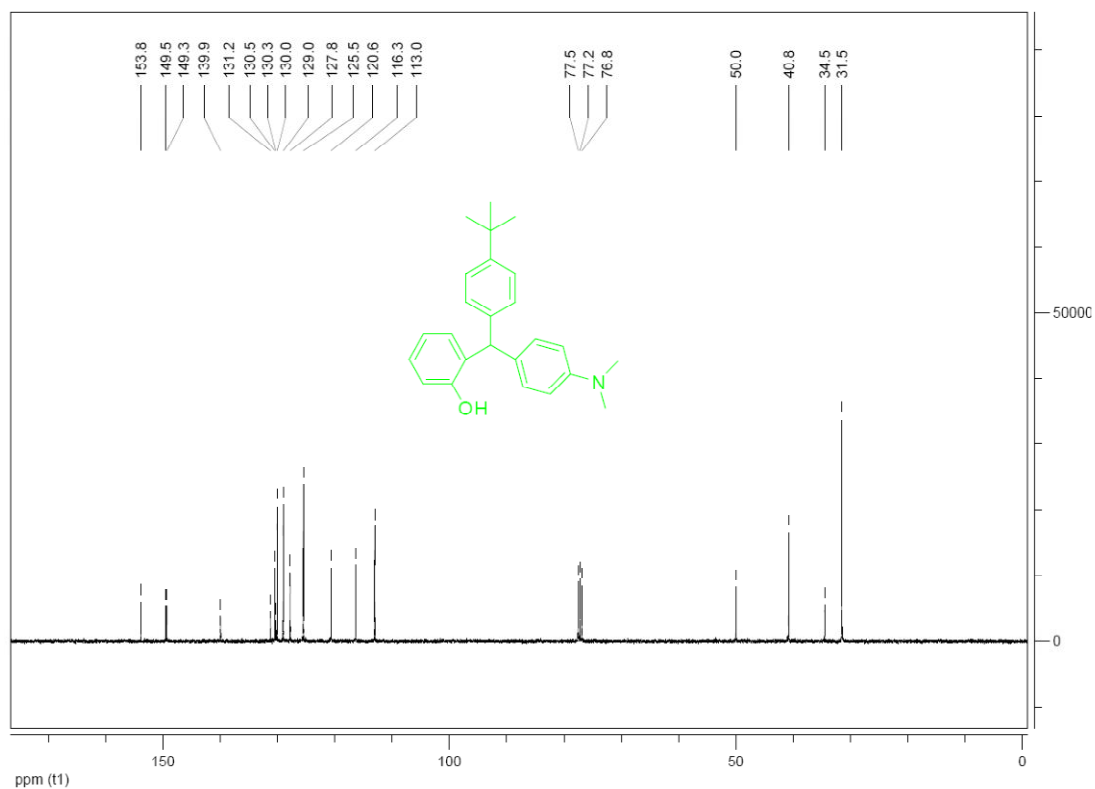
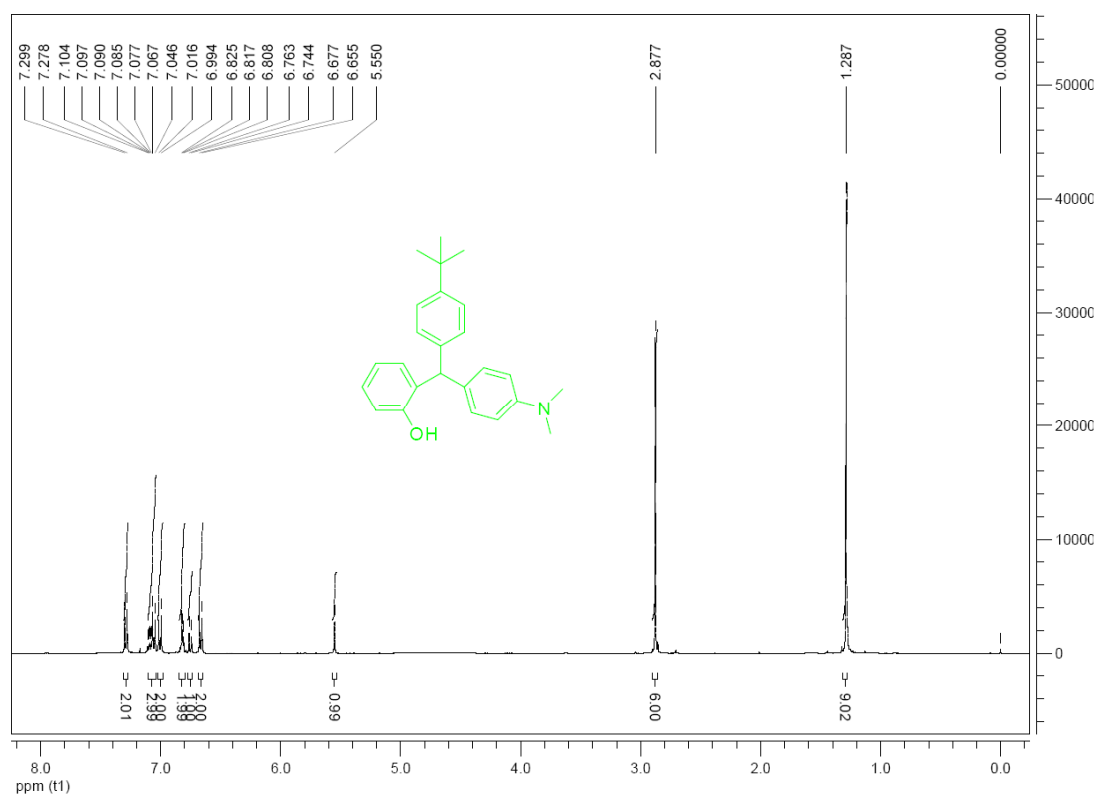
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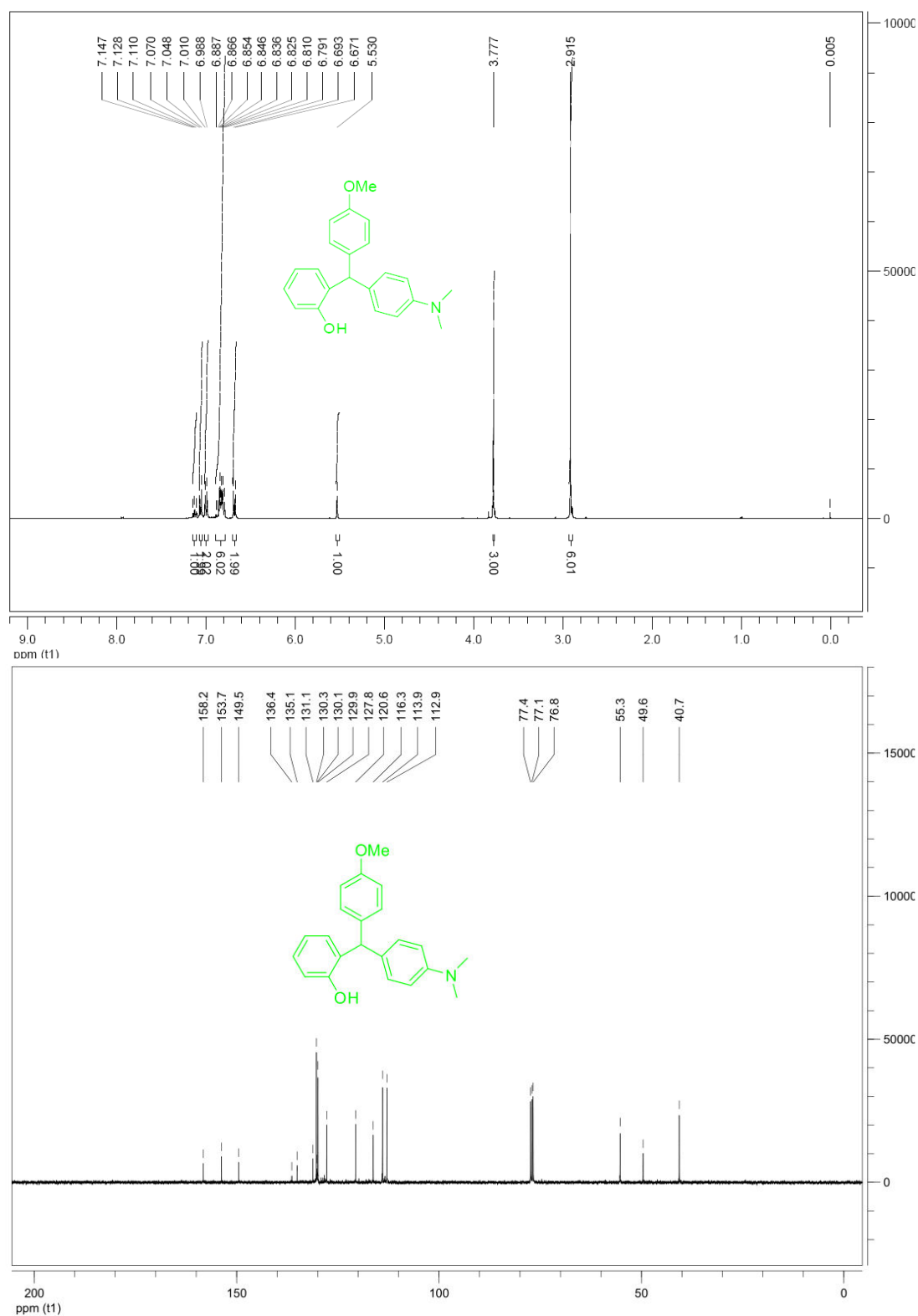
2-((4-Bromophenyl)(4-(dimethylamino)phenyl)methyl)phenol (4j)



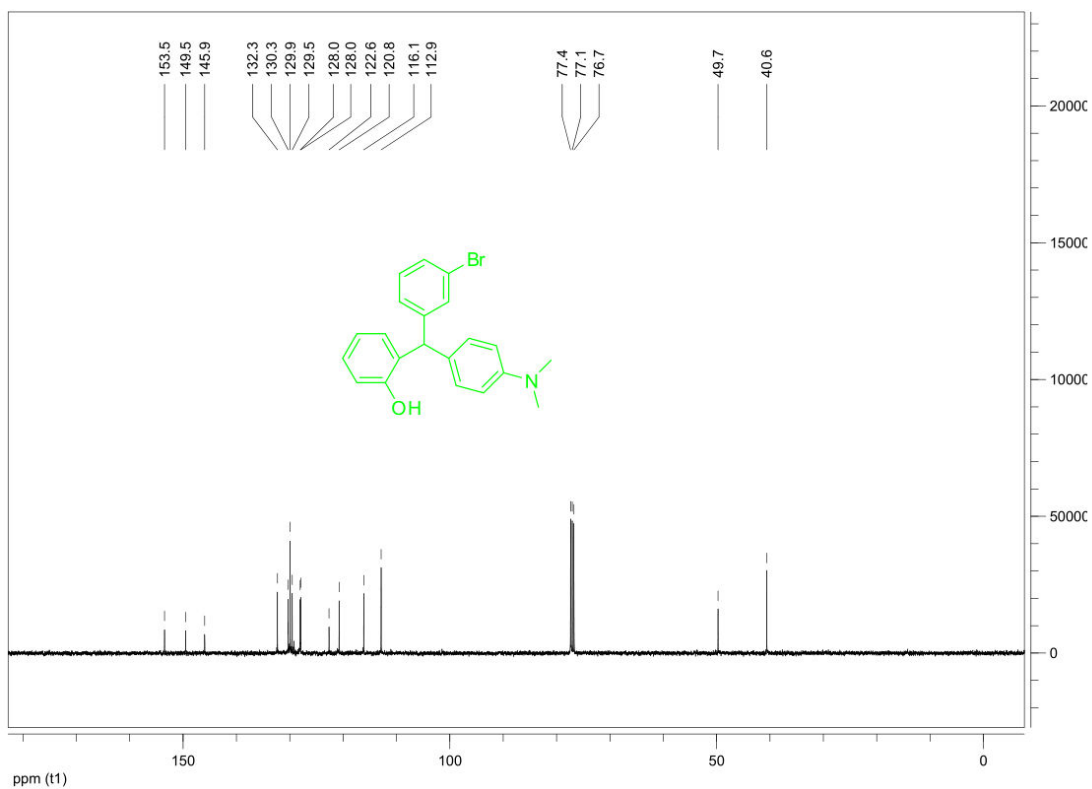
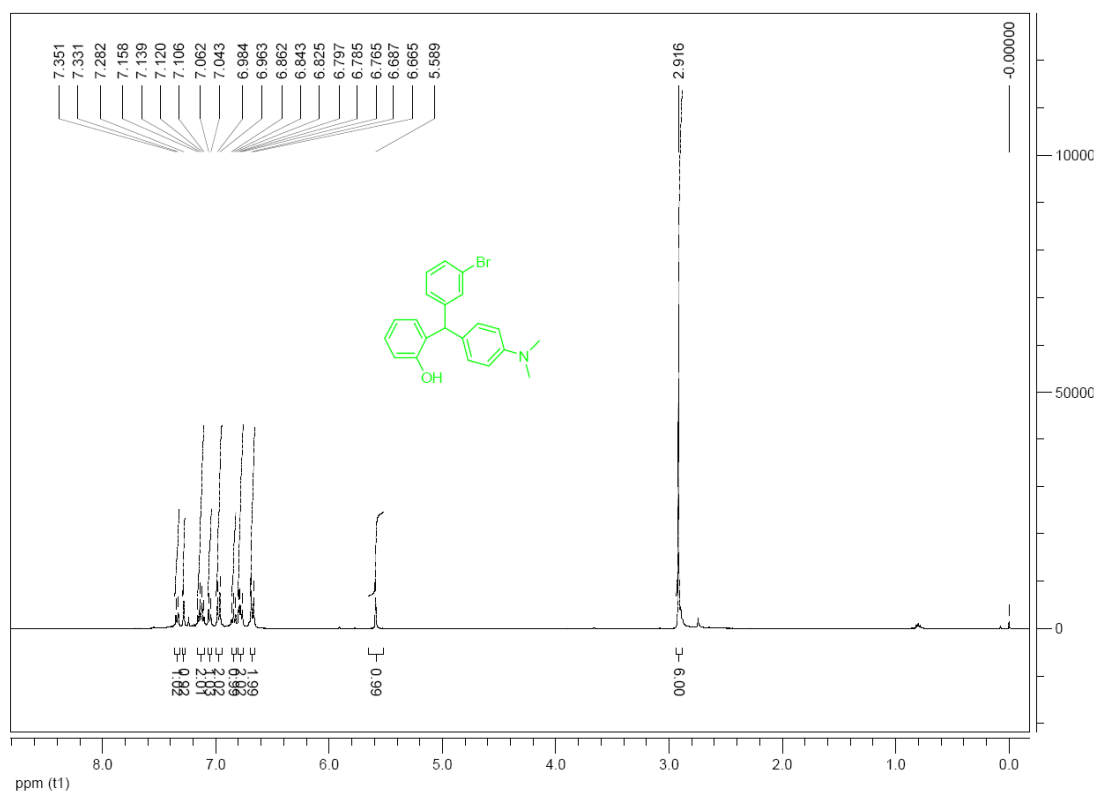
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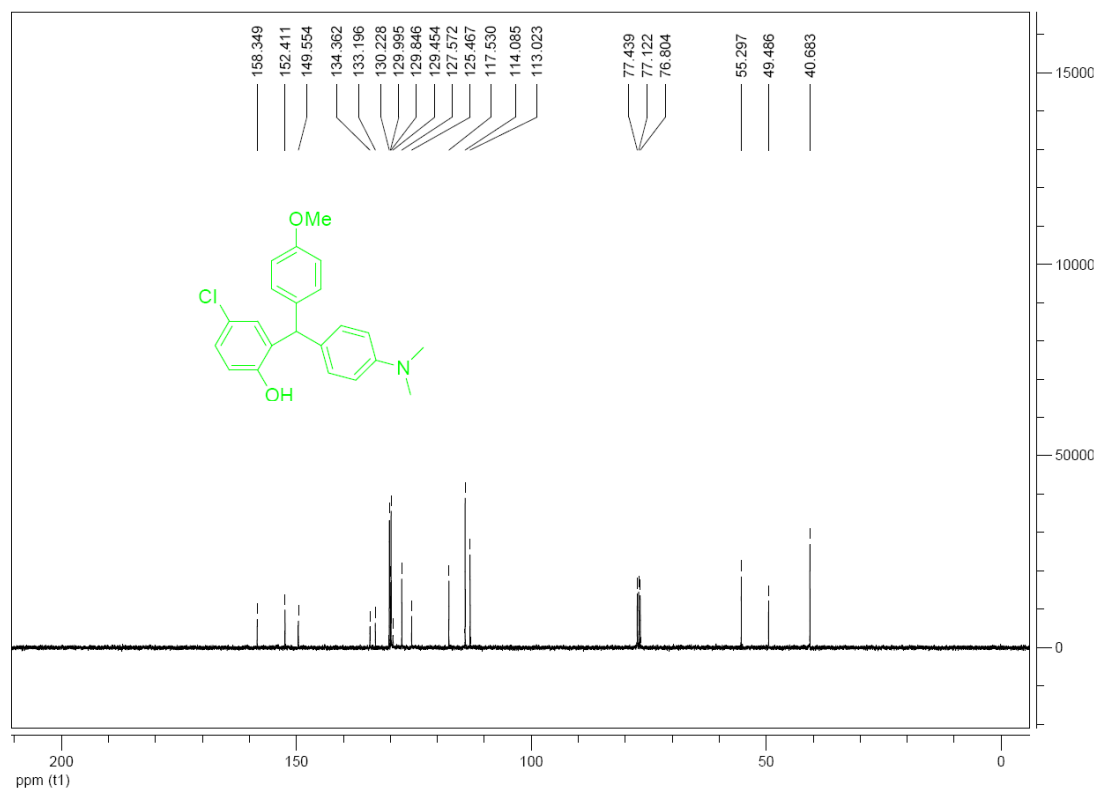
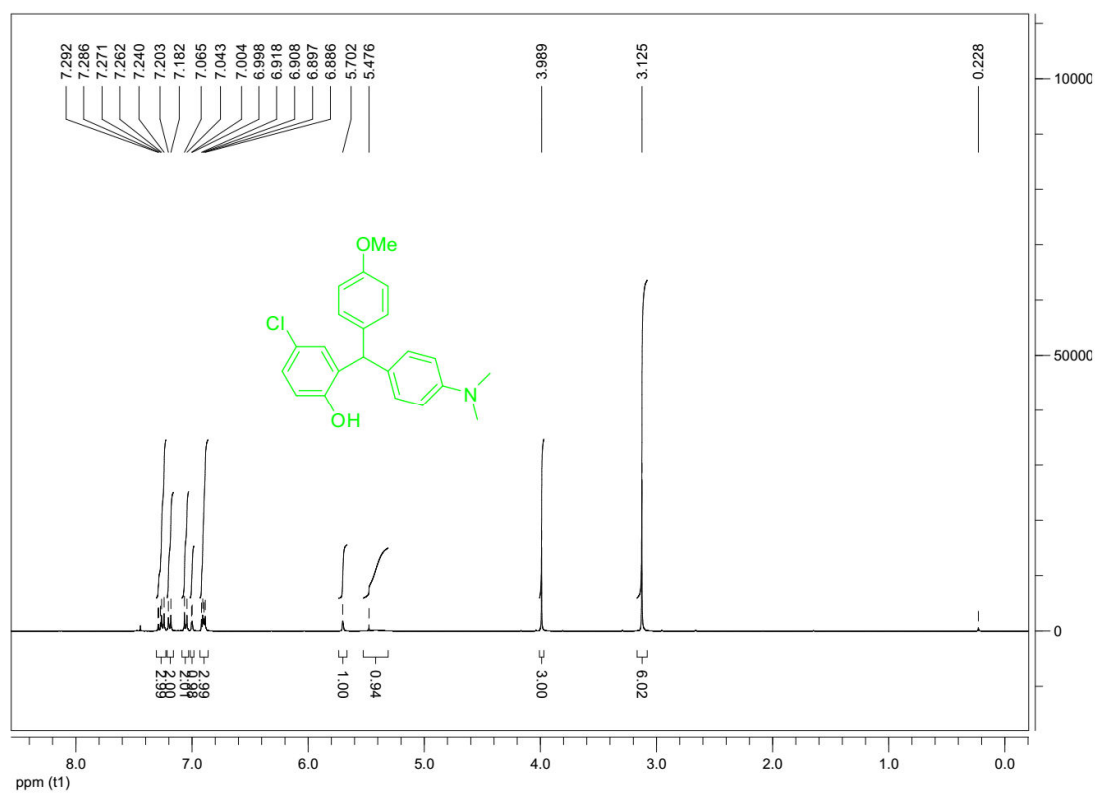
2-((4-(Dimethylamino)phenyl)(4-methoxyphenyl)methyl)phenol (4l)



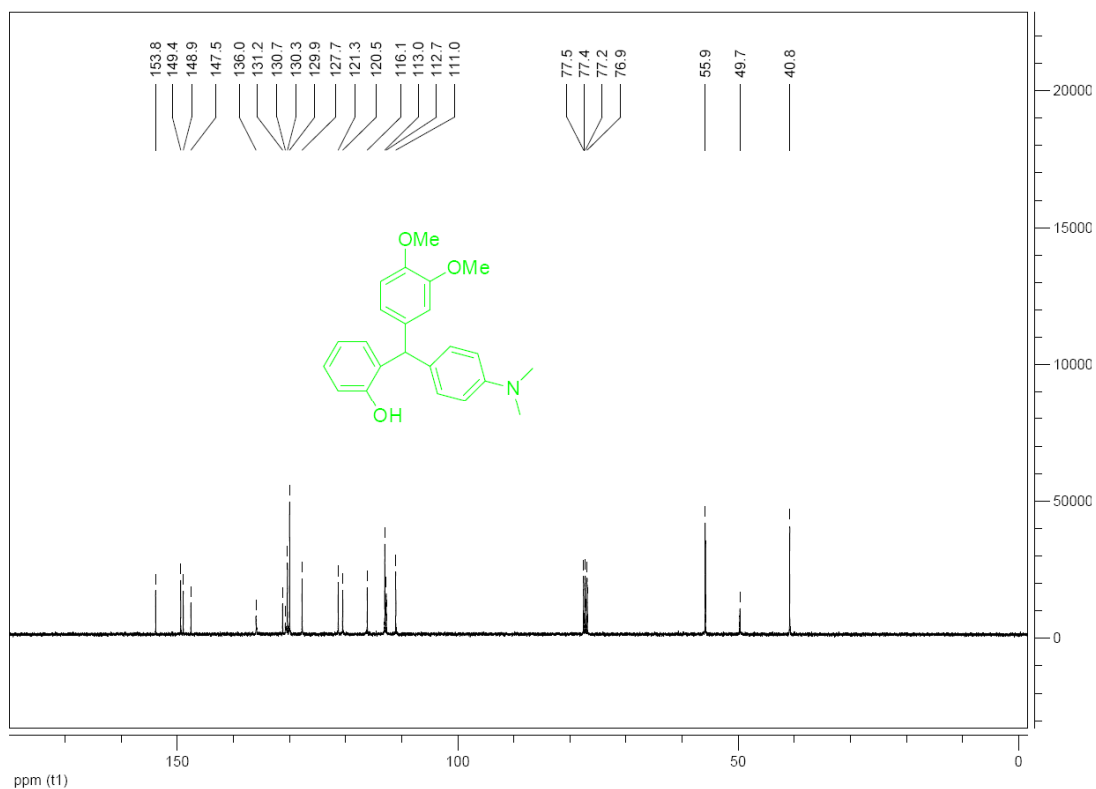
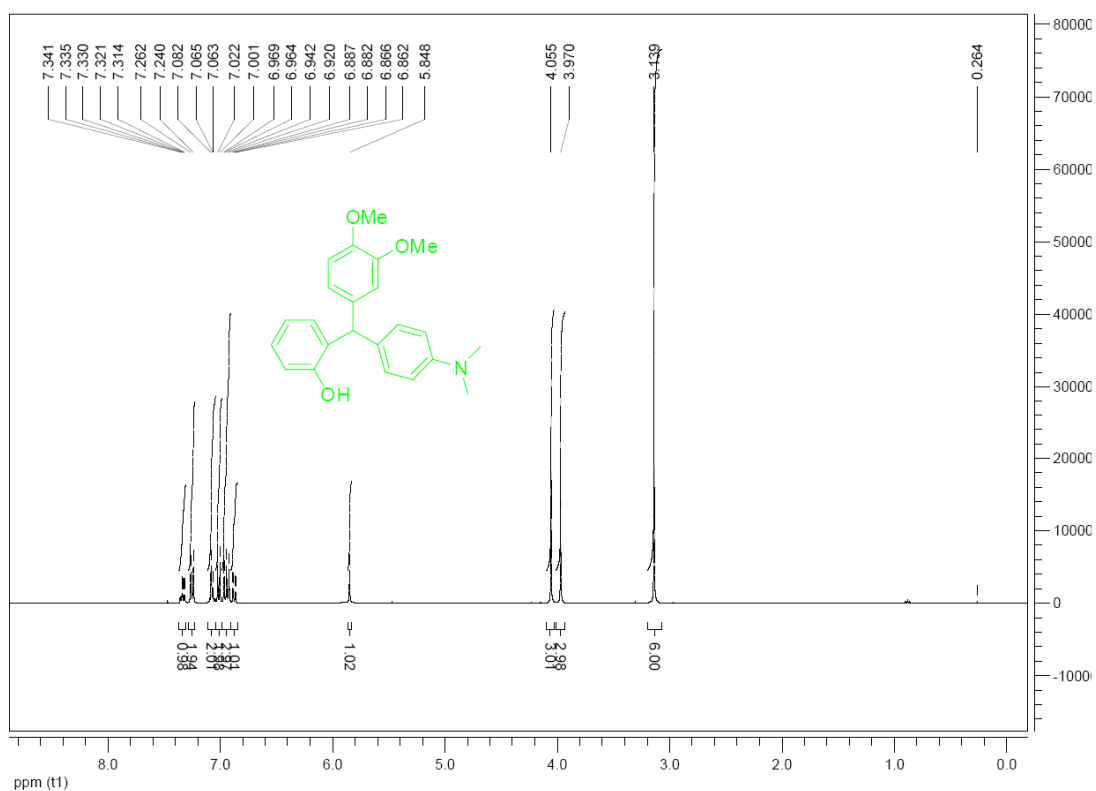
2-((3-Bromophenyl)(4-(dimethylamino)phenyl)methyl)phenol (4m)



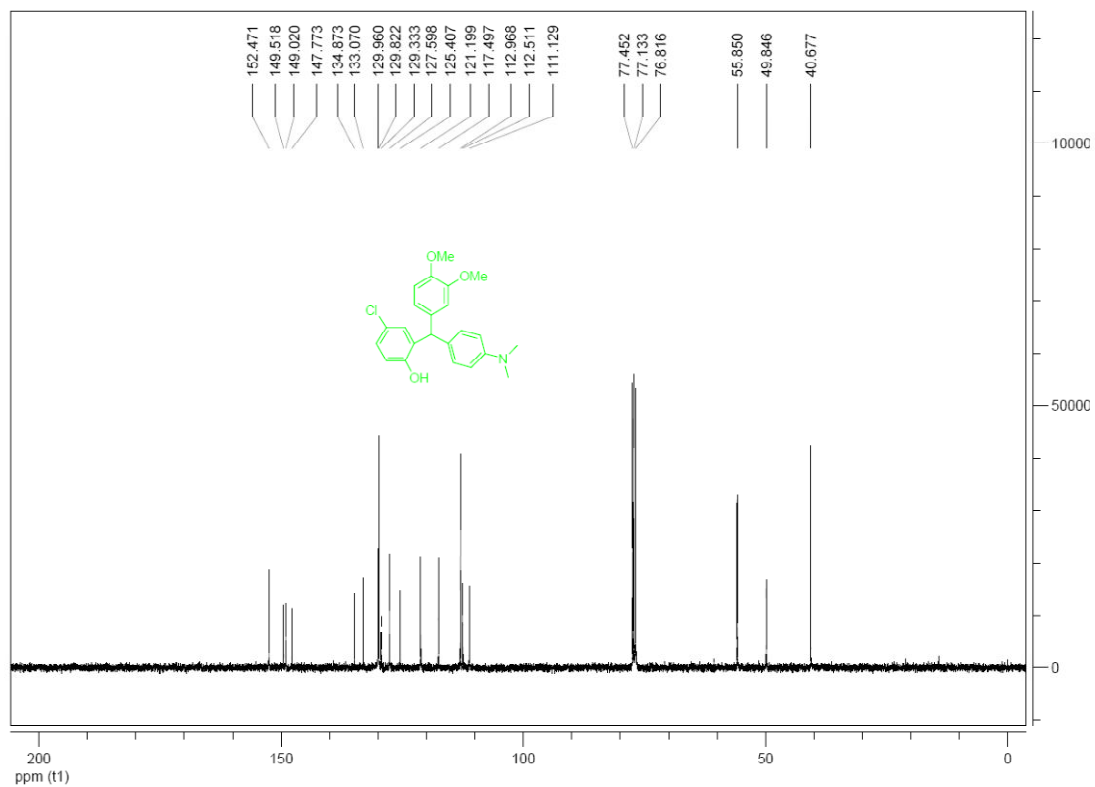
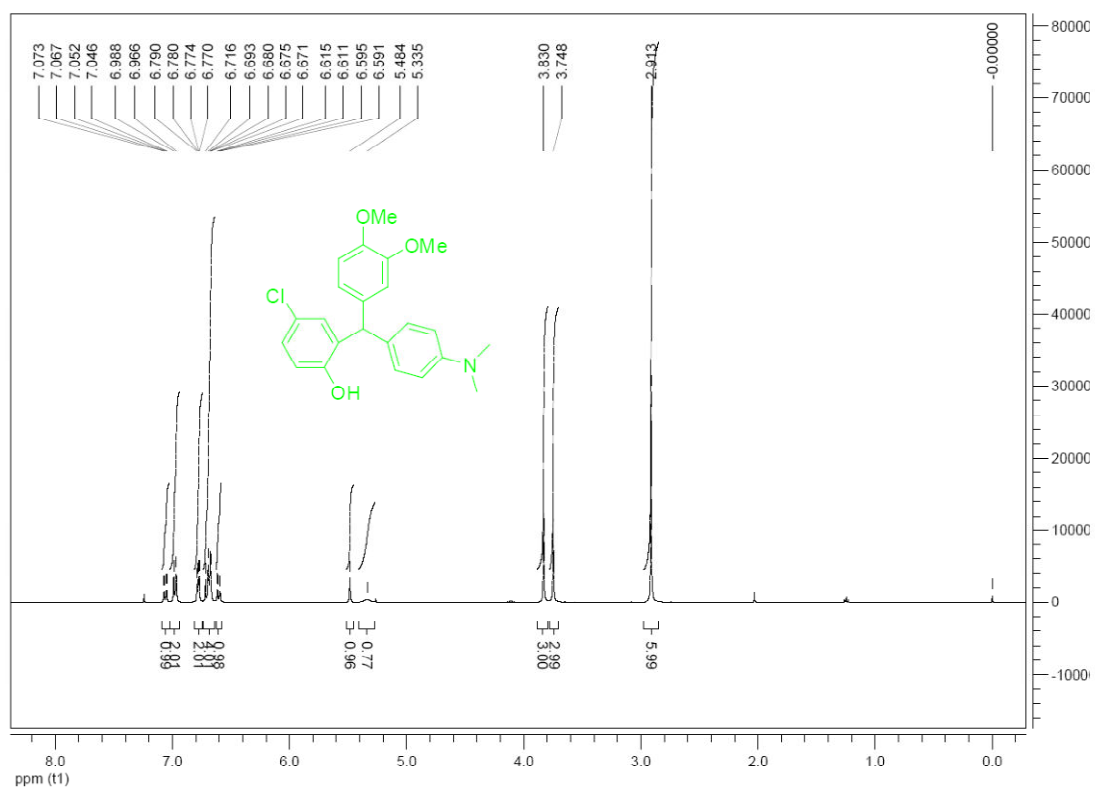
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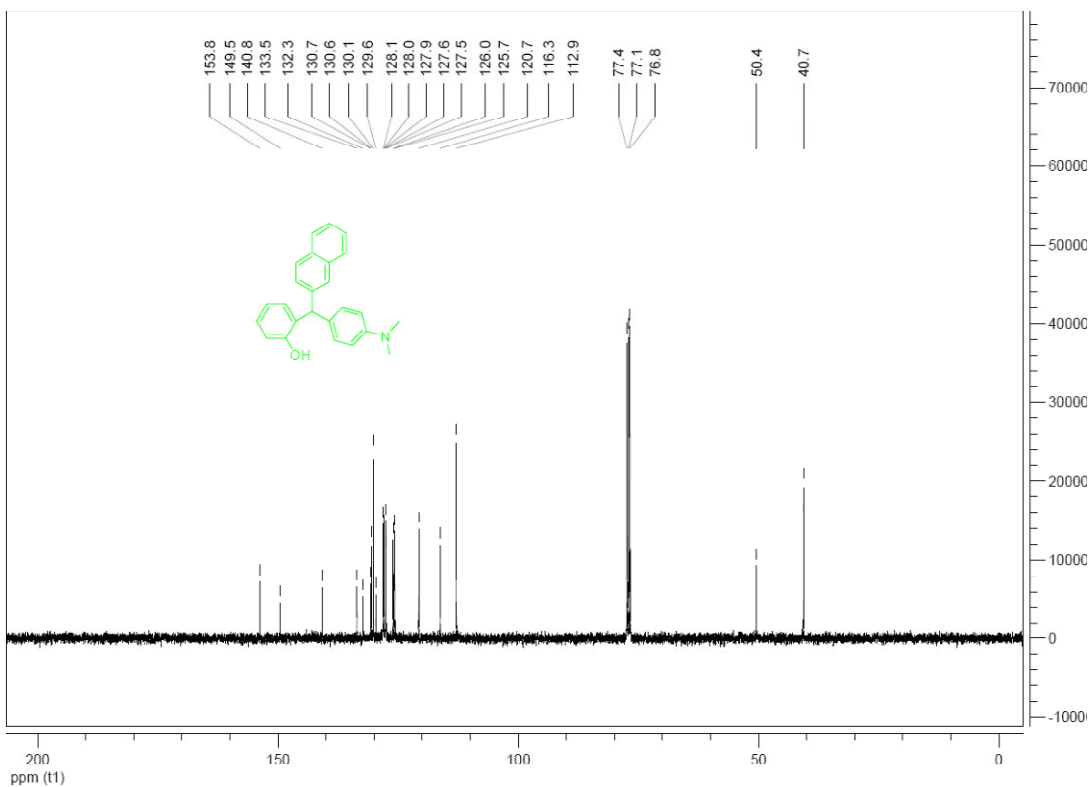
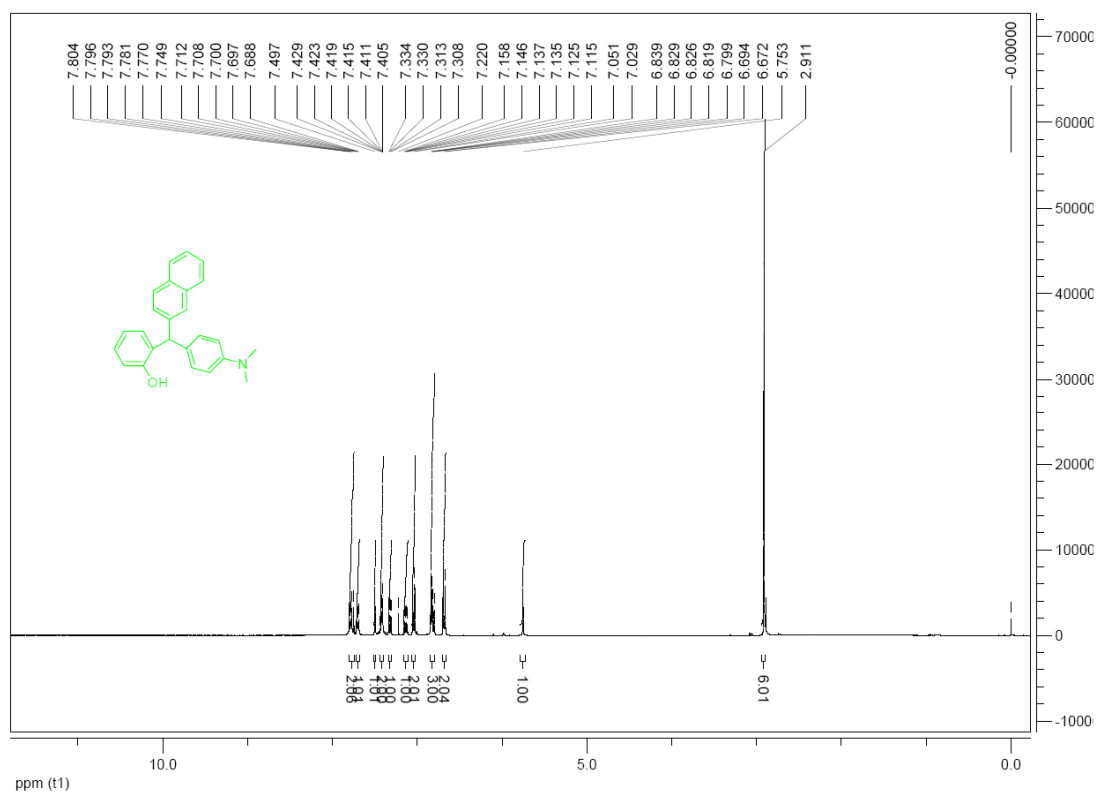
2-((3,4-Dimethoxyphenyl)(4-(dimethylamino)phenyl)methyl)phenol (4o)



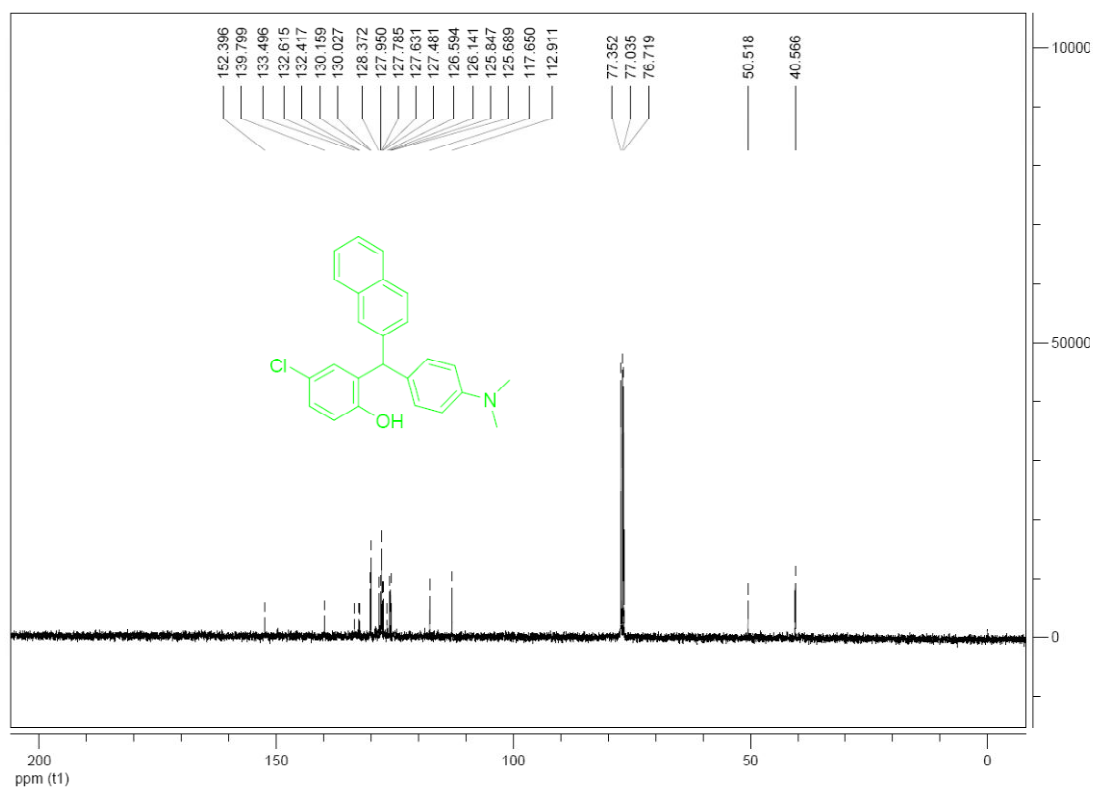
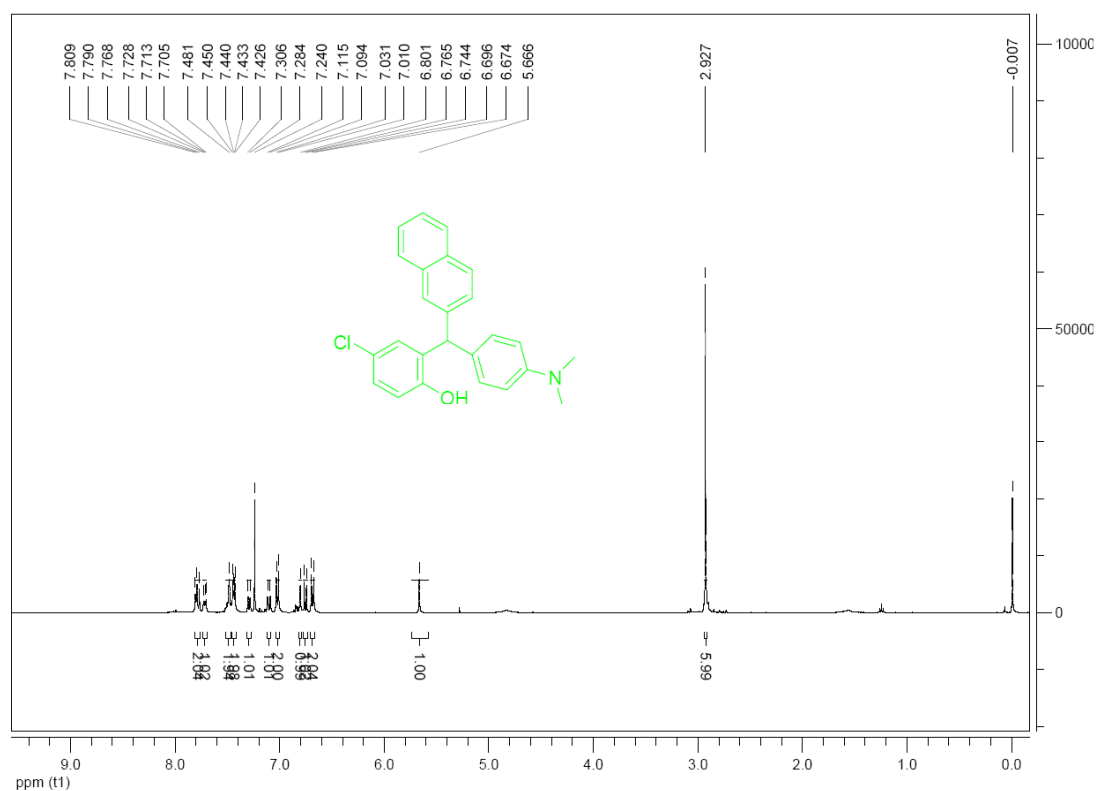
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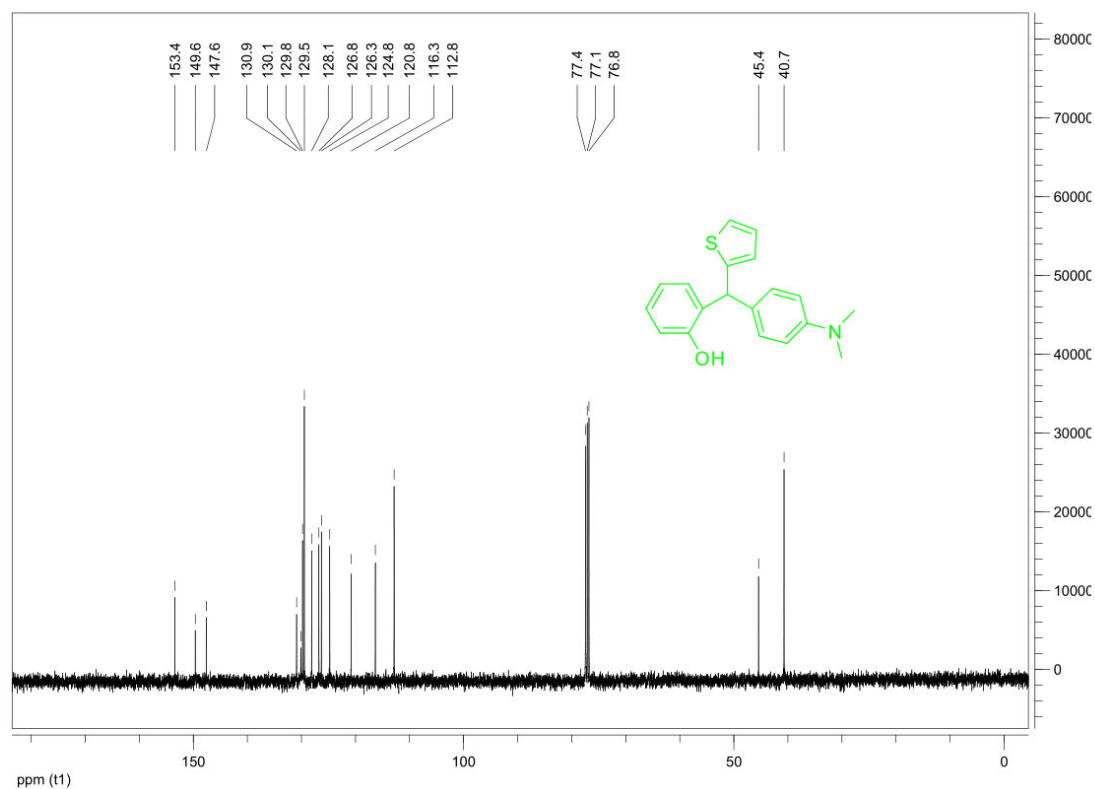
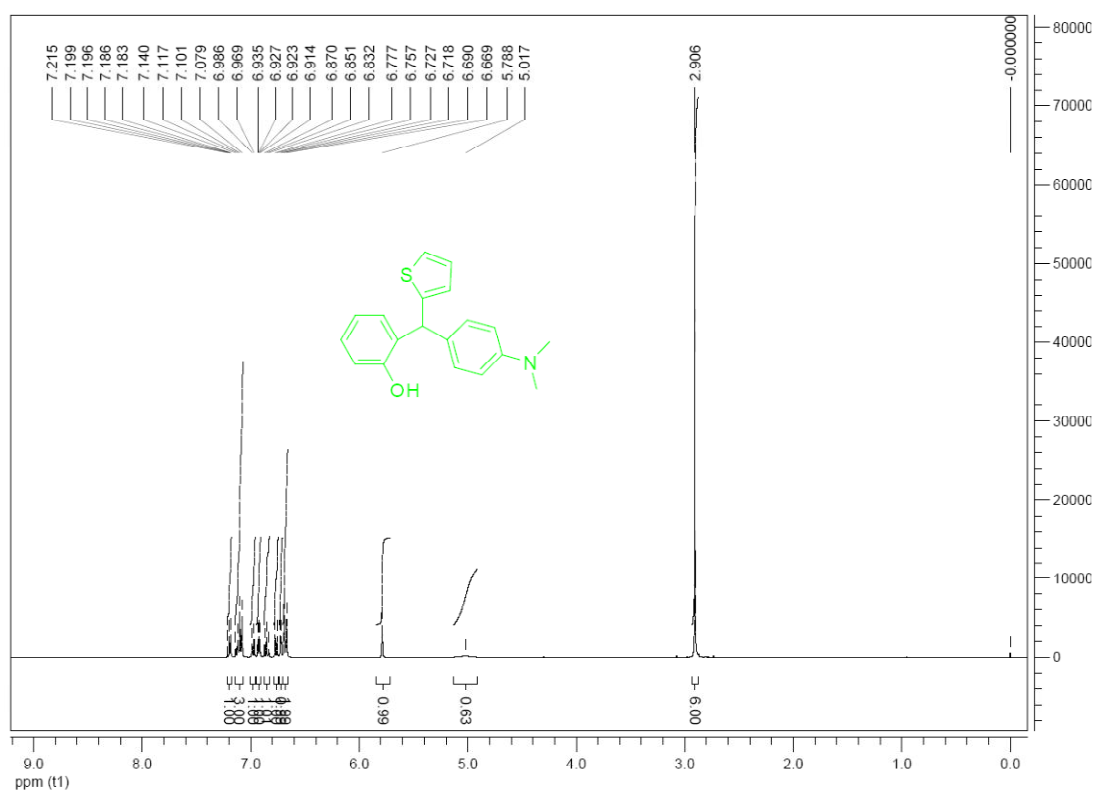
2-((4-(Dimethylamino)phenyl)(naphthalen-2-yl)methyl)phenol (4q)



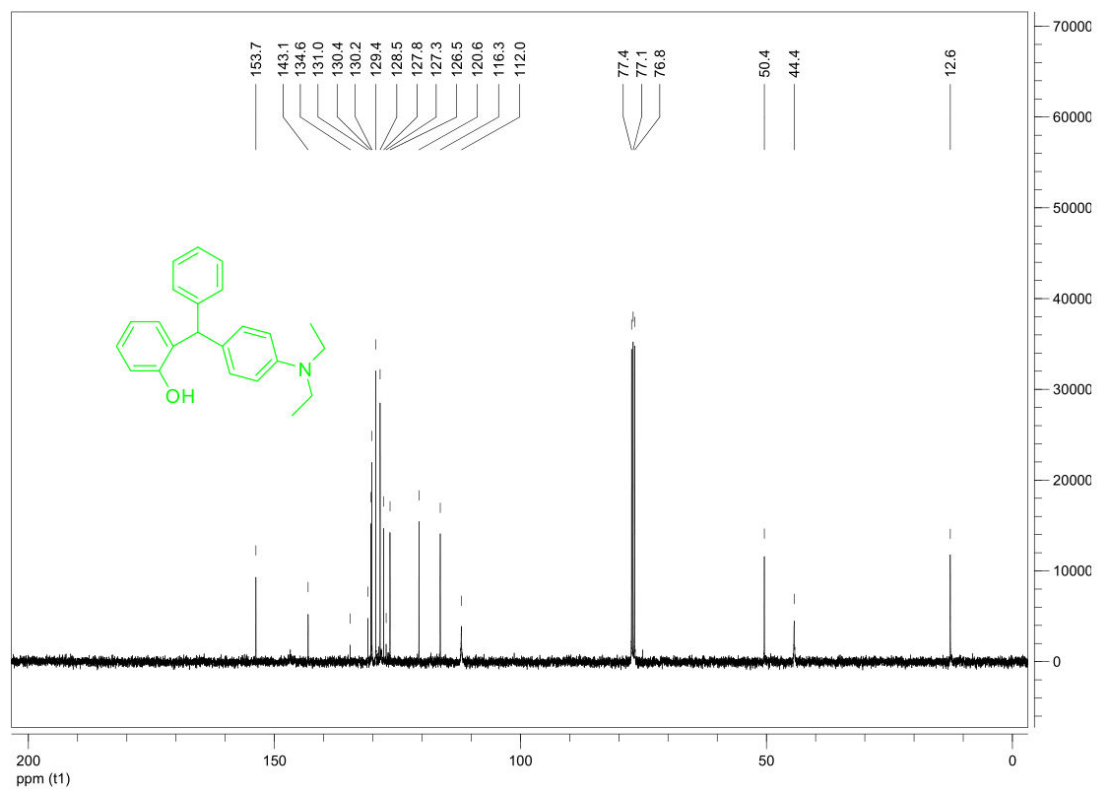
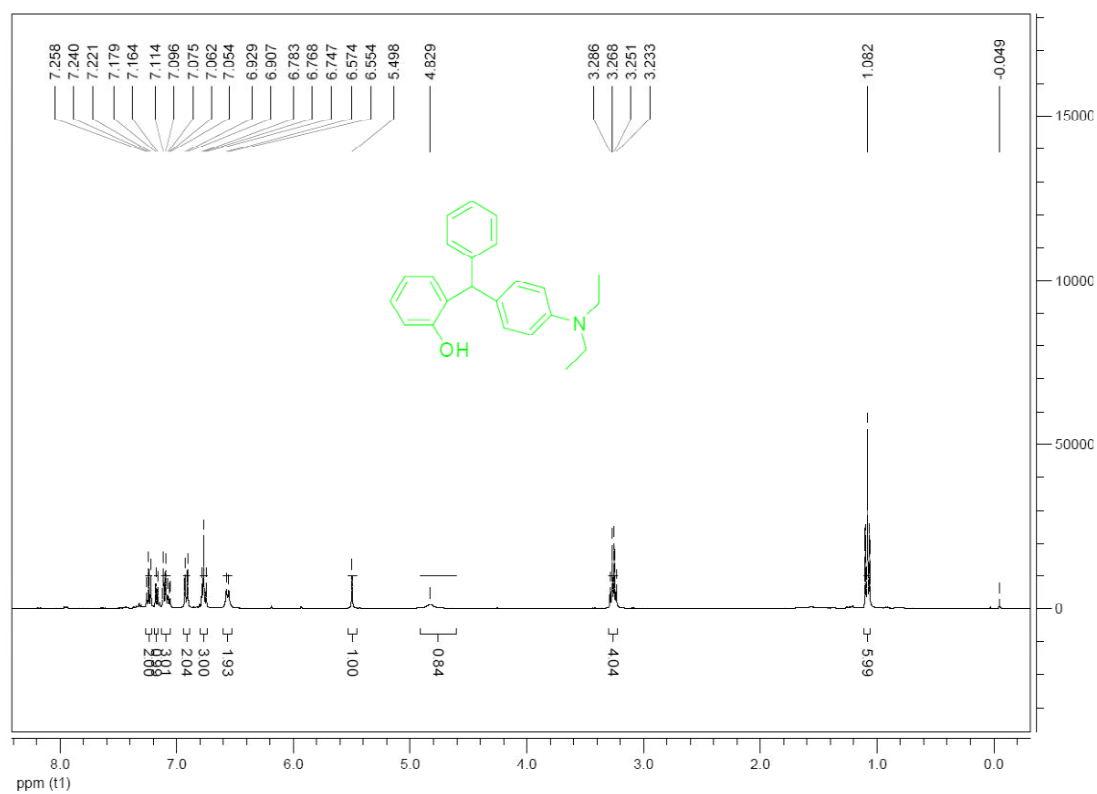
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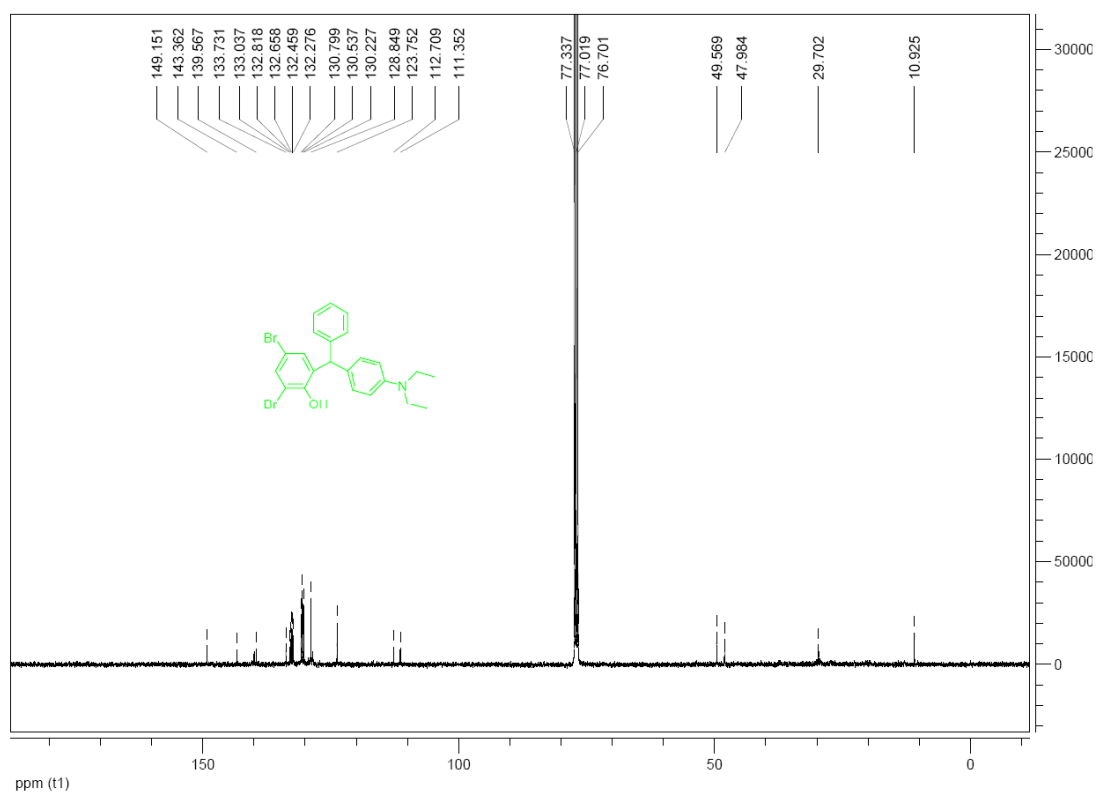
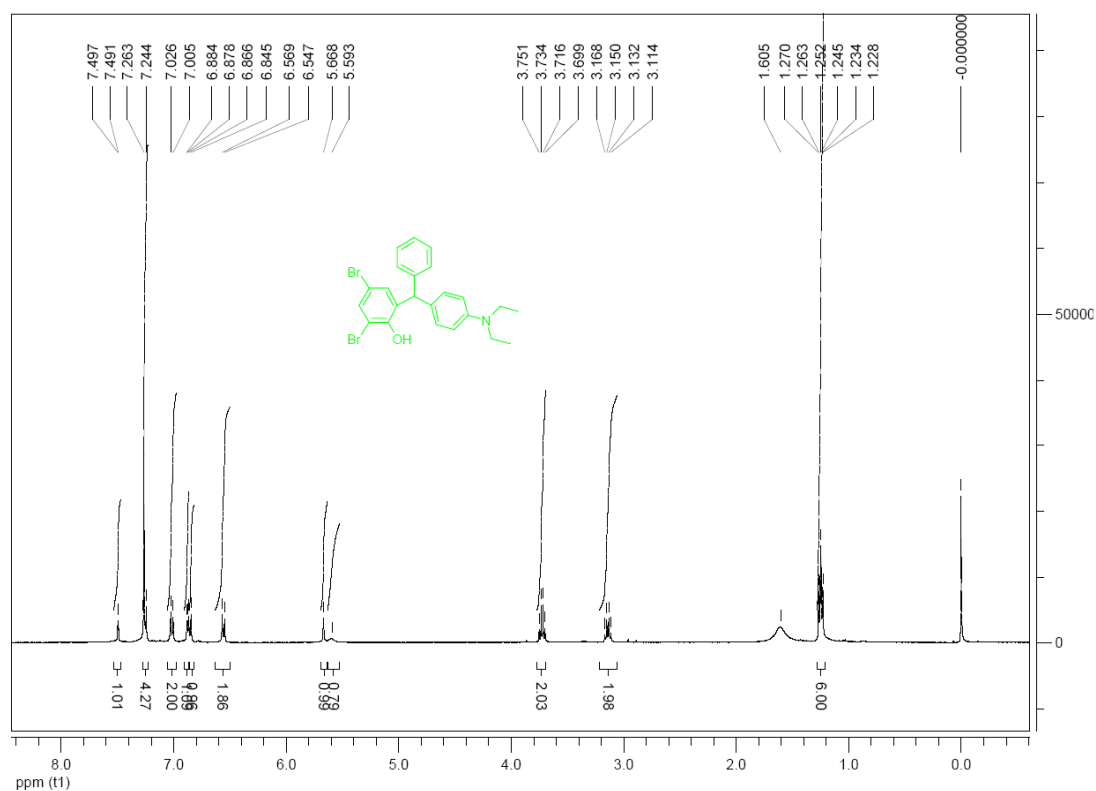
2-((4-(Dimethylamino)phenyl)(thiophen-2-yl)methyl)phenol (4s)



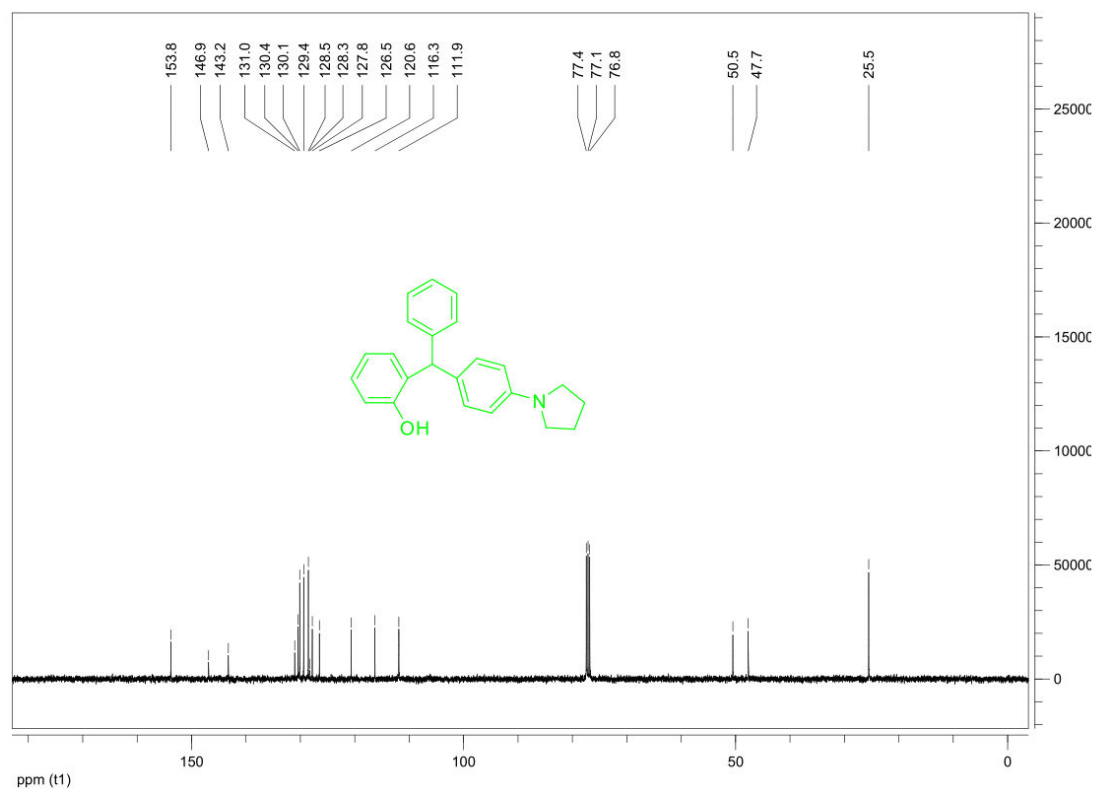
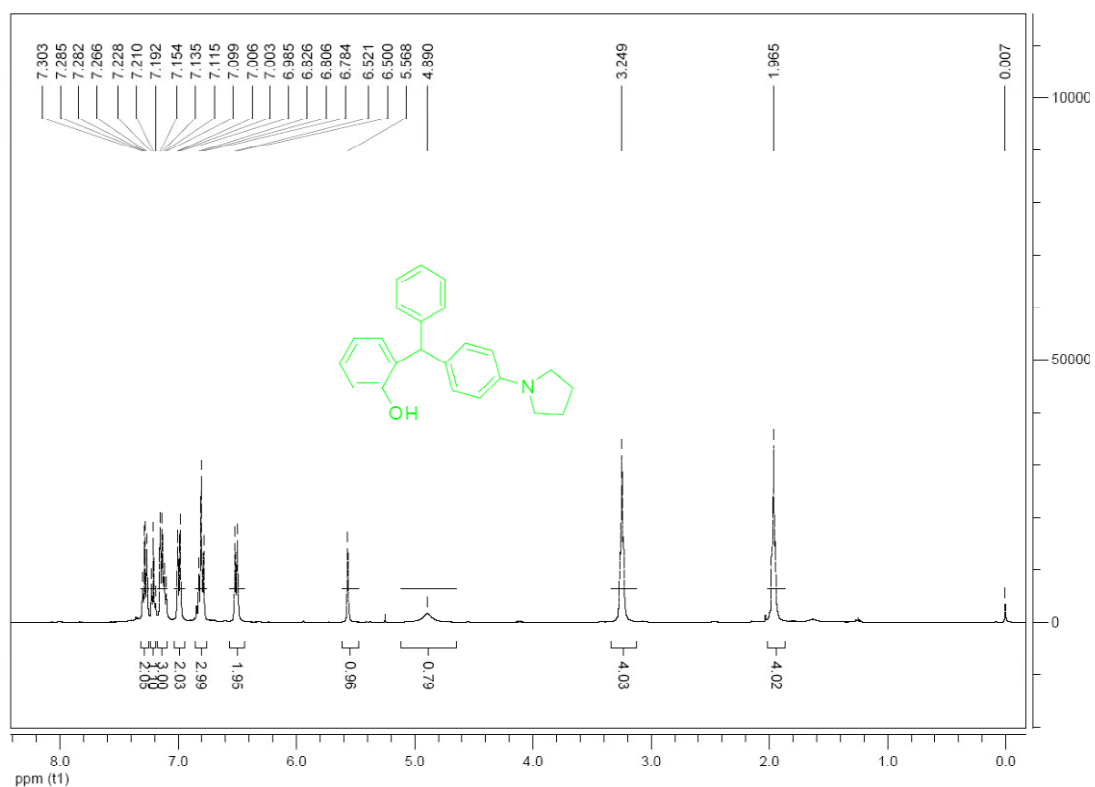
2-((4-(Diethylamino)phenyl)(phenyl)methyl)phenol (4t)



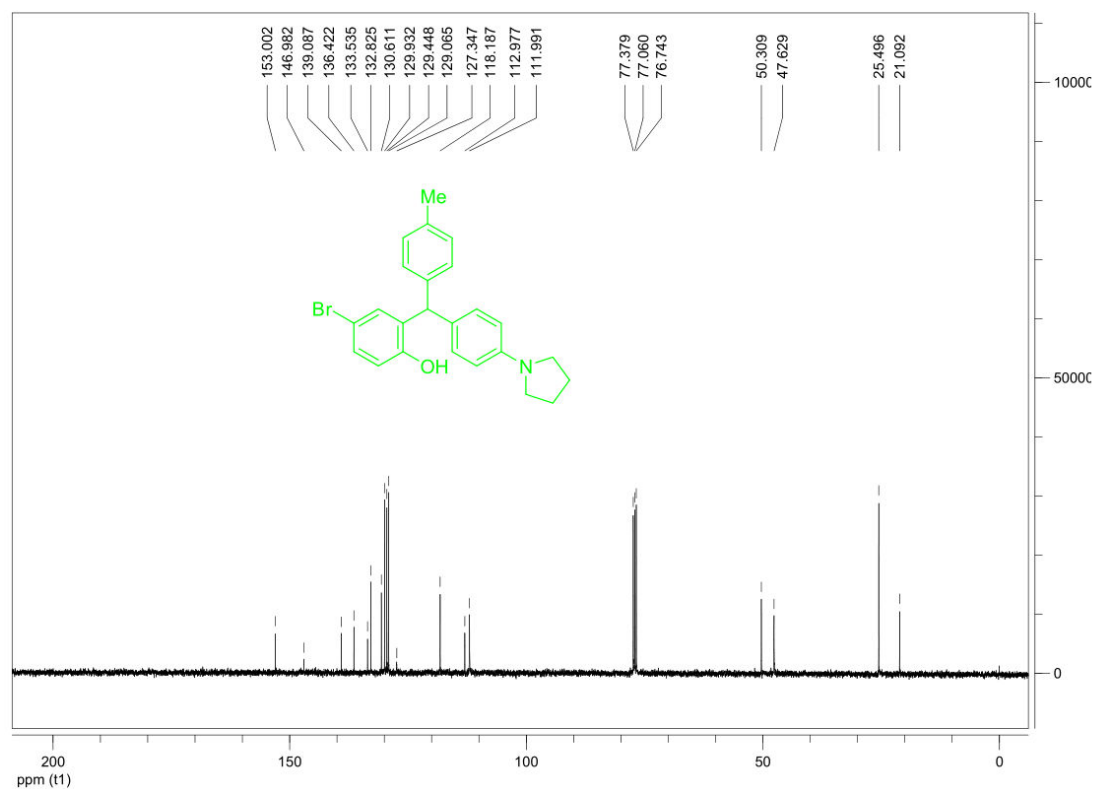
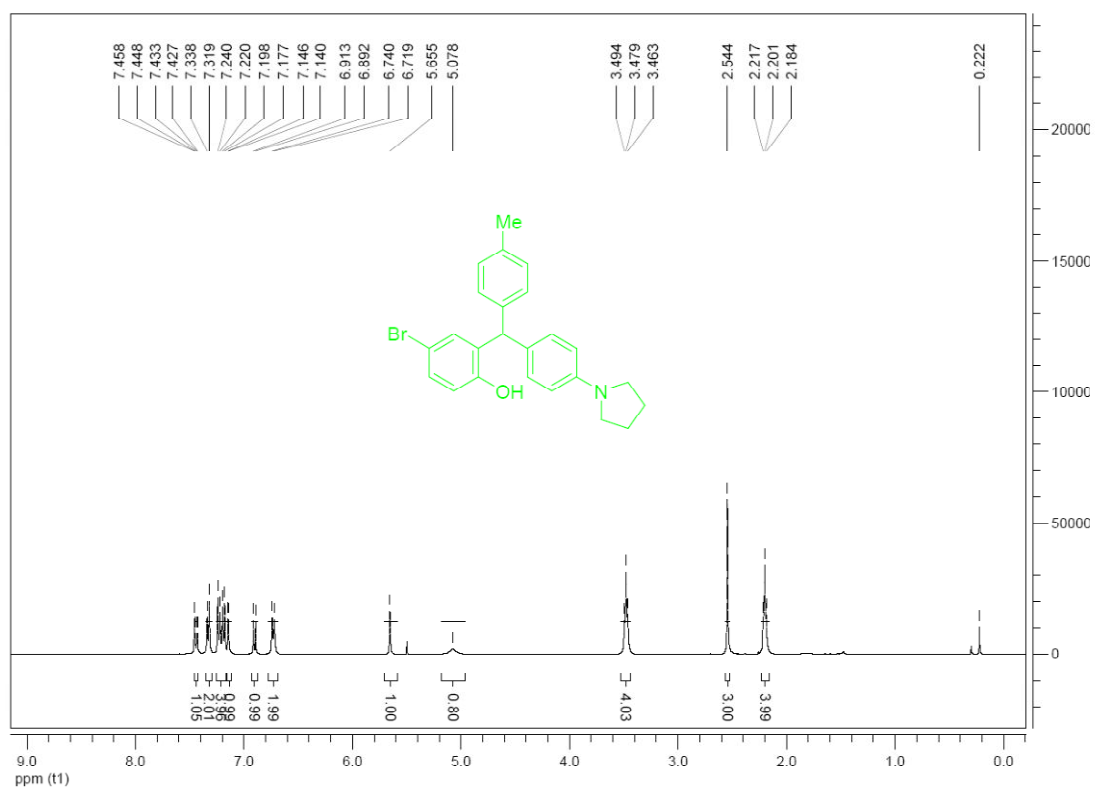
2,4-Dibromo-6-((4-(diethylamino)phenyl)(phenyl)methyl)phenol (4u)



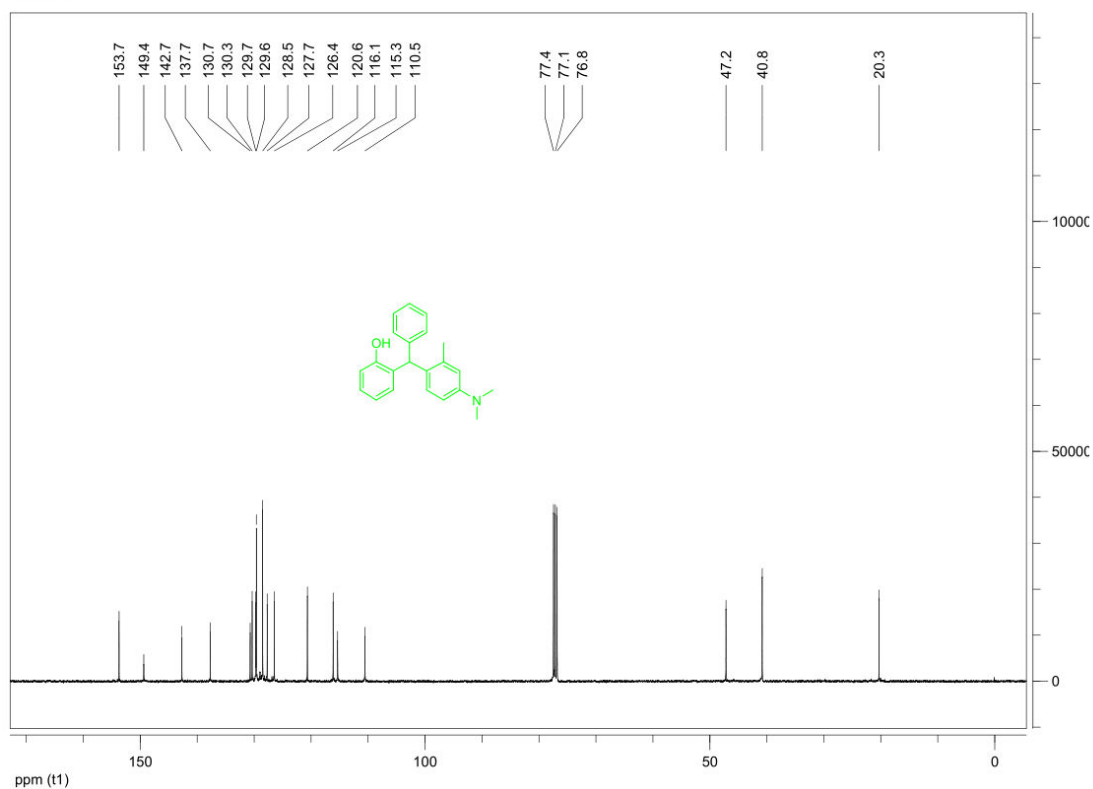
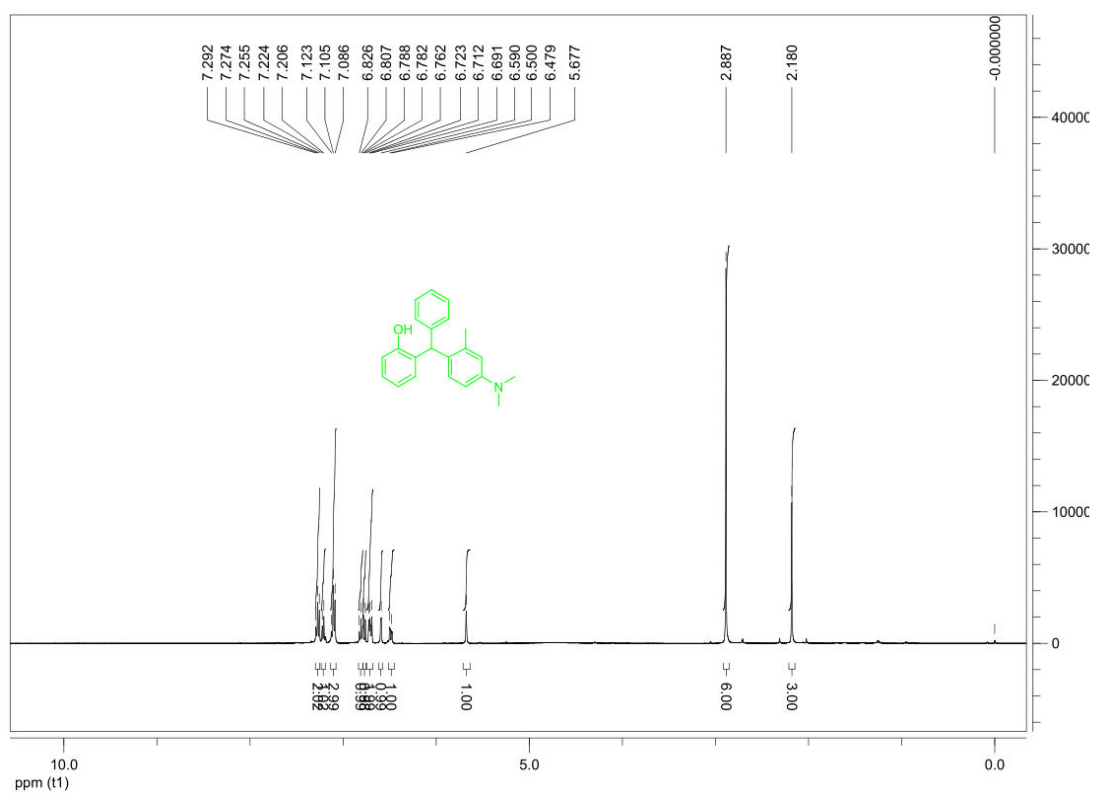
2-(Phenyl(4-(pyrrolidin-1-yl)phenyl)methyl)phenol (4v)



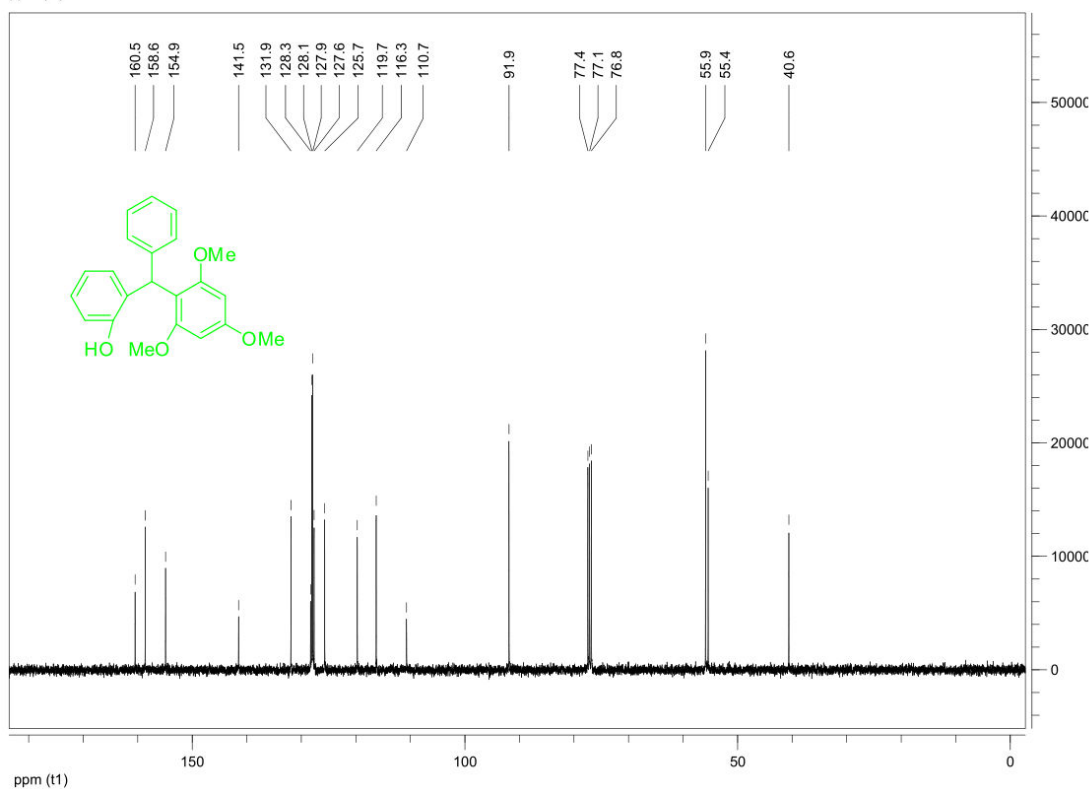
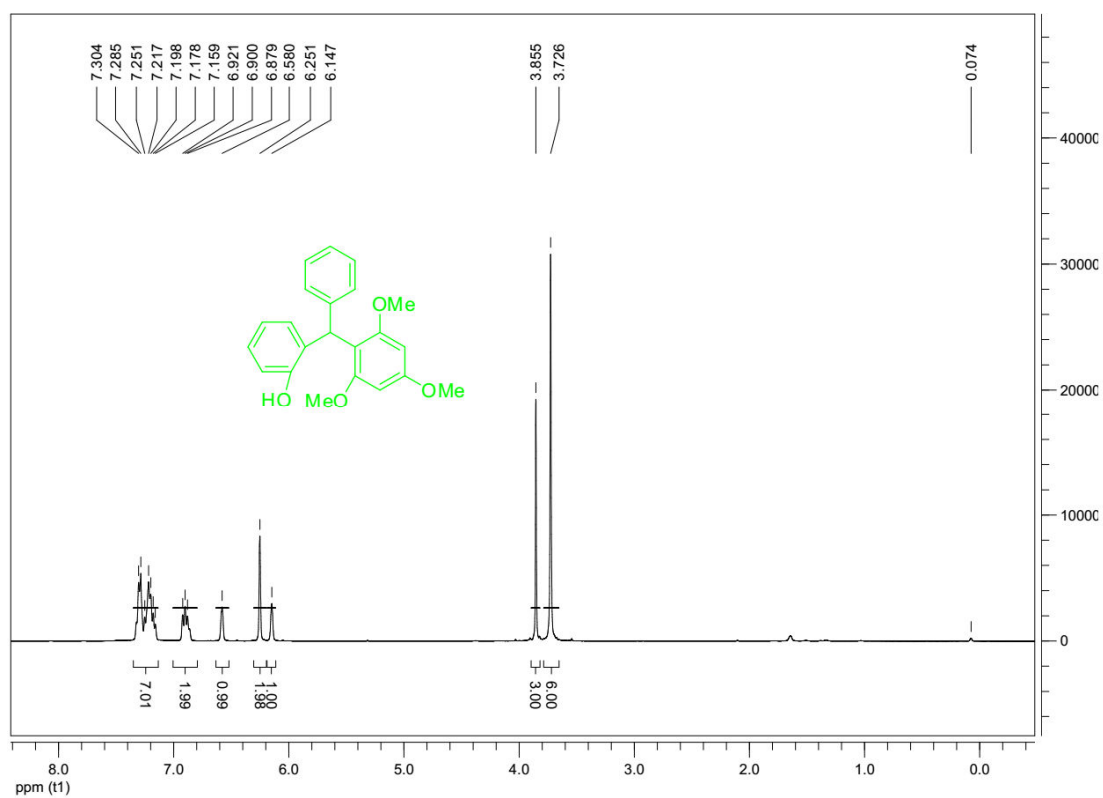
4-Bromo-2-((4-(pyrrolidin-1-yl)phenyl)(p-tolyl)methyl)phenol (4w)



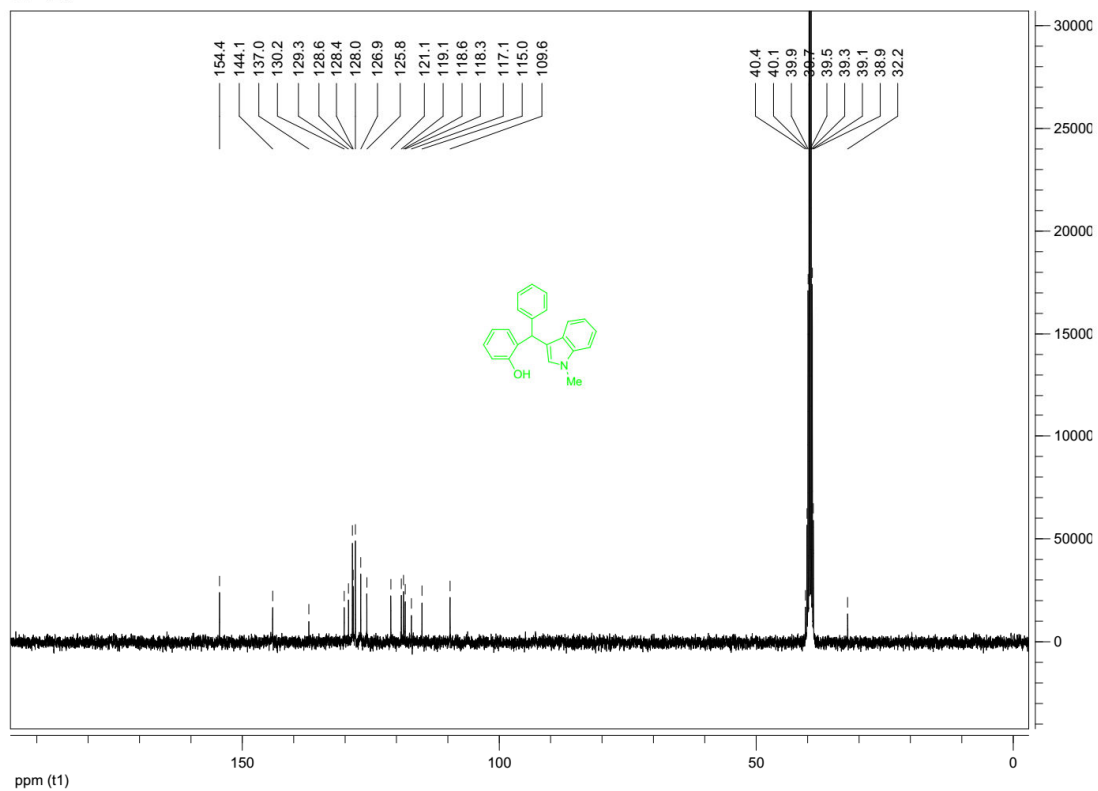
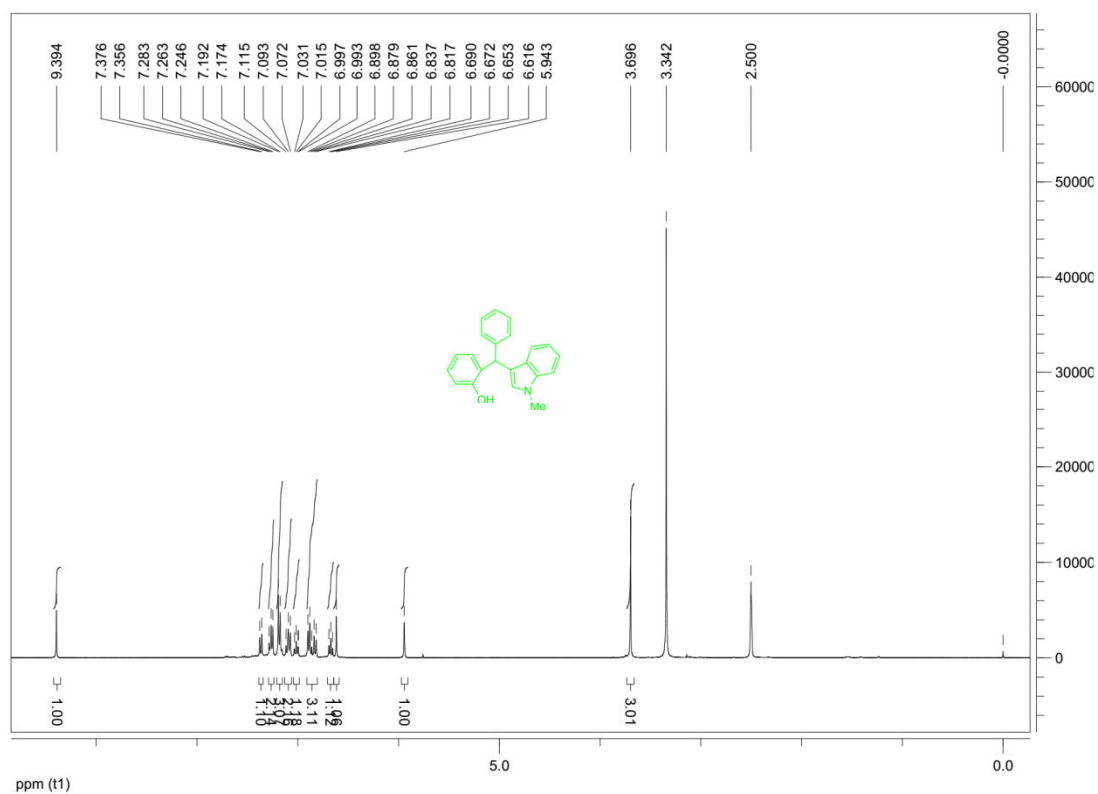
2-((4-(Dimethylamino)-2-methylphenyl)(phenyl)methyl)phenol (4x)



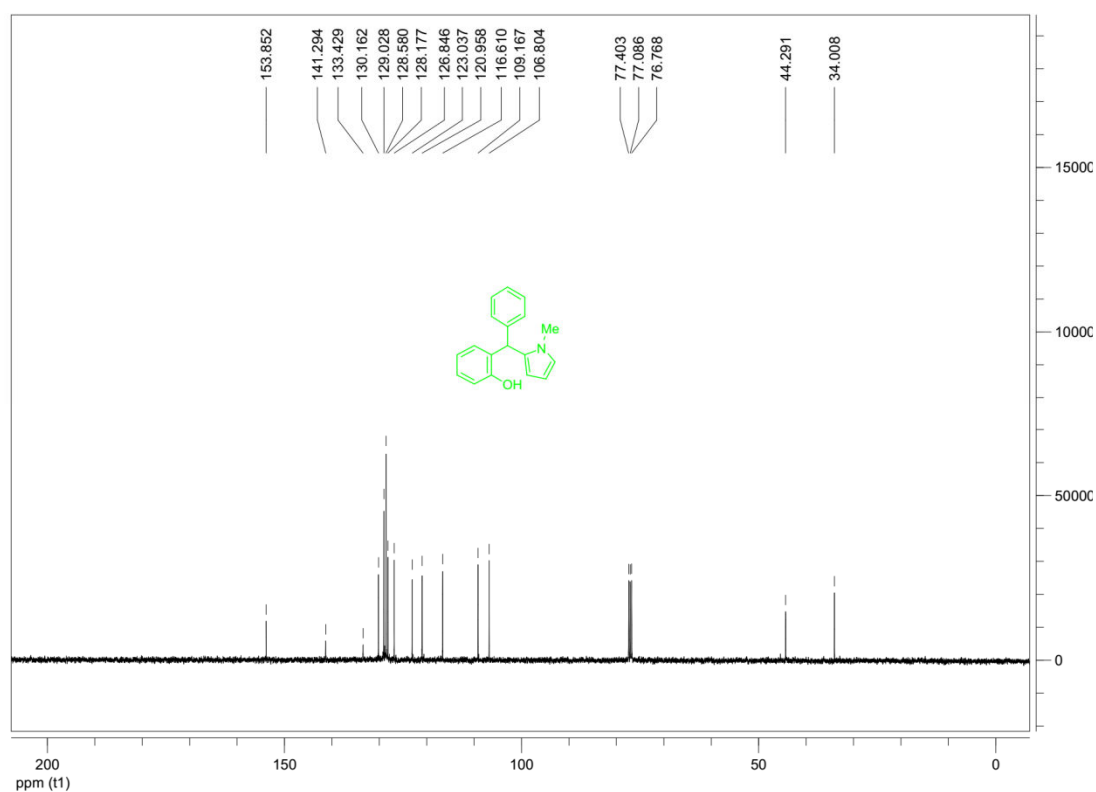
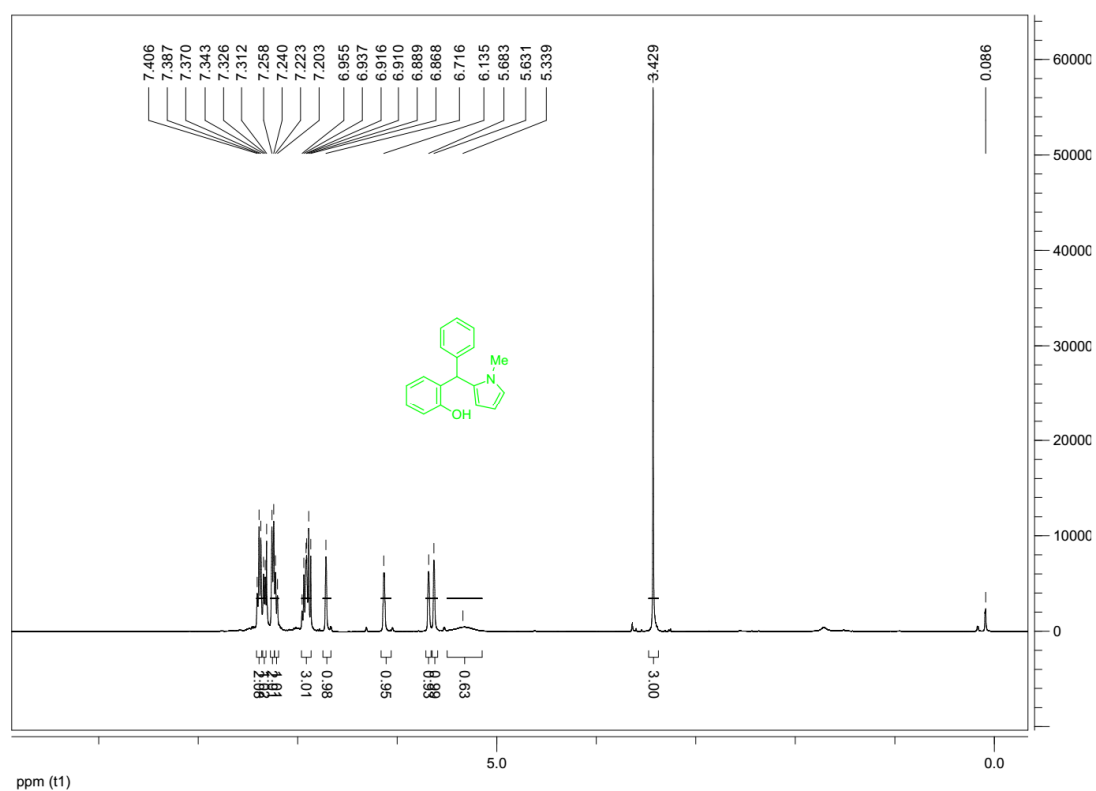
2-(Phenyl(2,4,6-trimethoxyphenyl)methyl)phenol (4y)



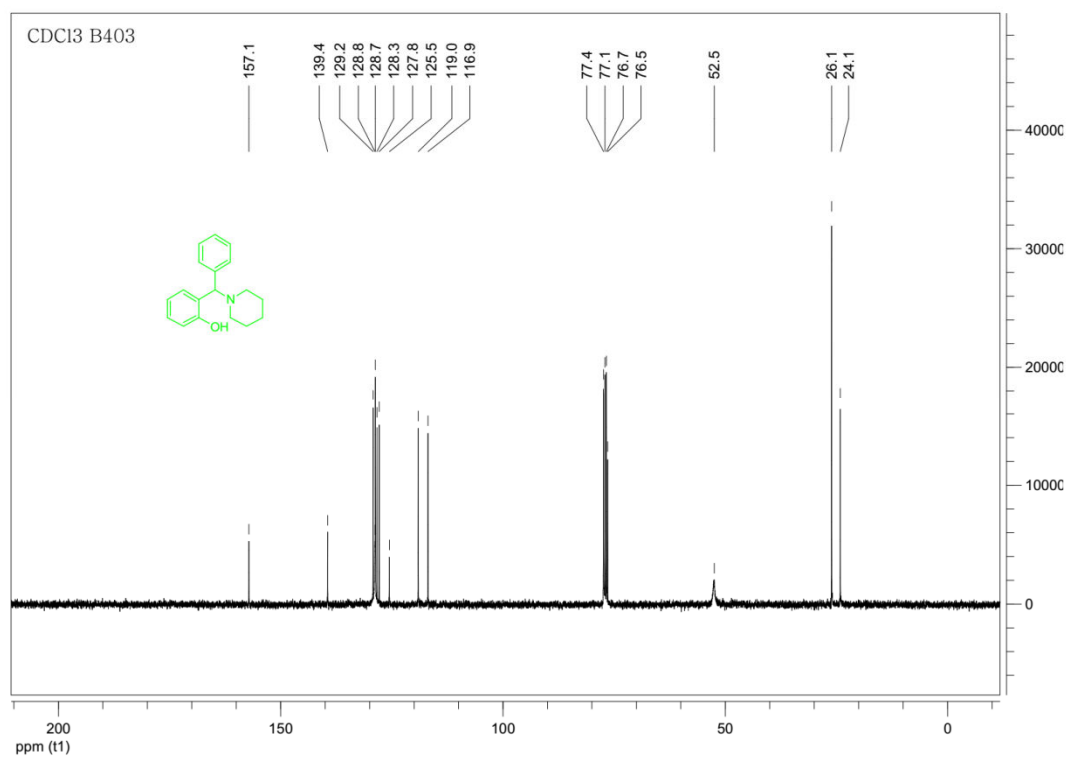
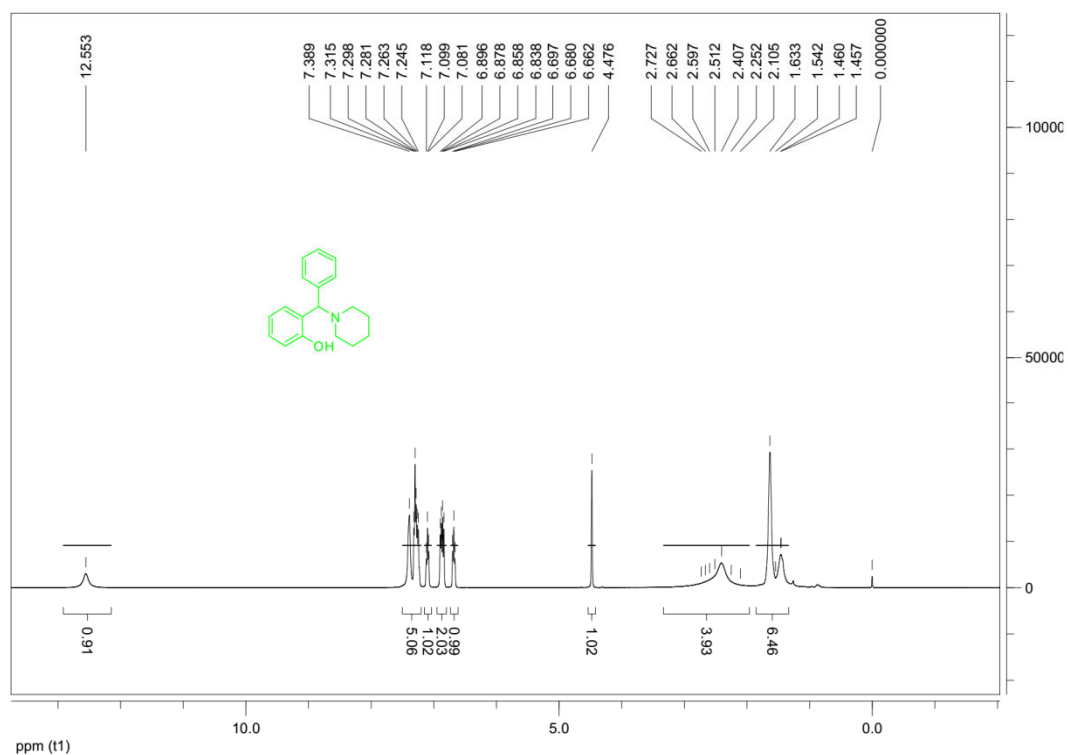
2-((1-Methyl-1H-indol-3-yl)(phenyl)methyl)phenol (4z)



2-((1-Methyl-1H-pyrrol-2-yl)(phenyl)methyl)phenol (4aa)



Spectroscopic Data for Compound 5



Spectroscopic Data for Compound 6

1-Benzhydrylpiperidine (6)

