

Supporting Information File 2

for

Syntheses of fluorooxindole and 2-fluoro-2-arylacetic acid derivatives from diethyl 2-fluoromalonate ester

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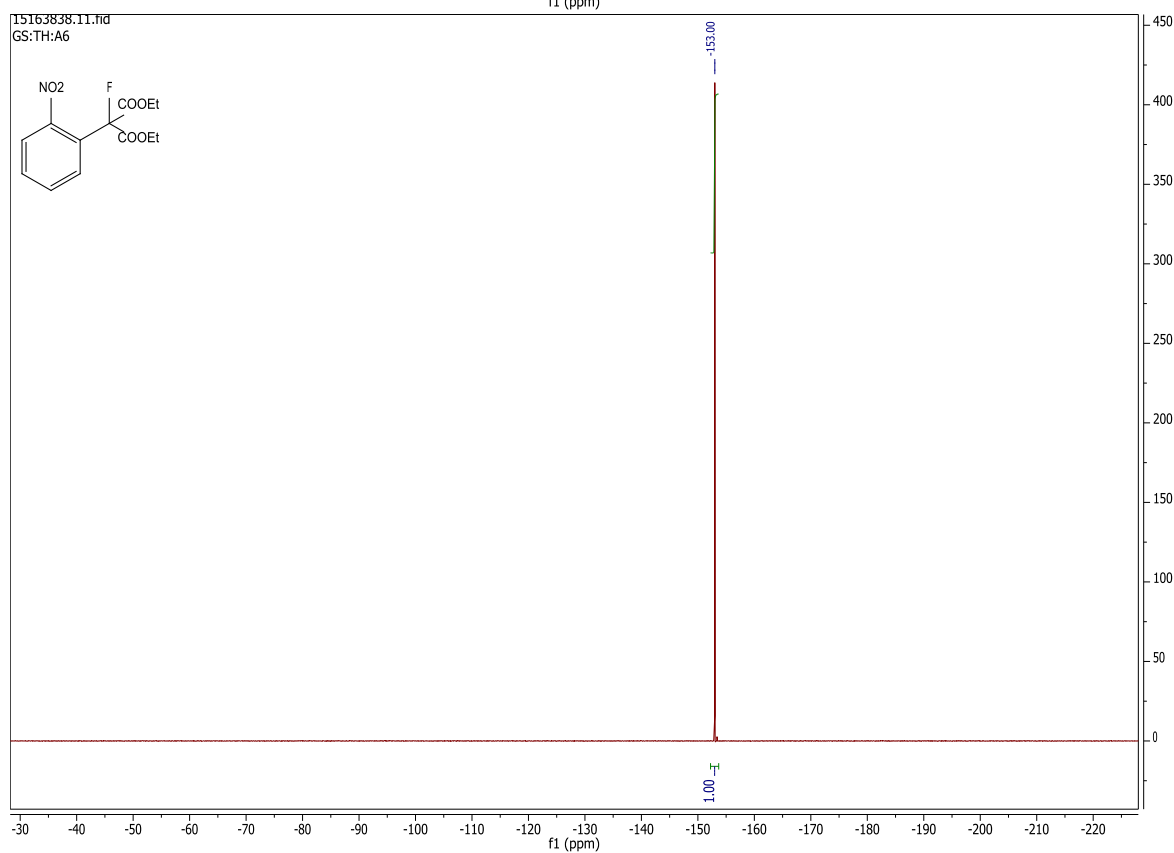
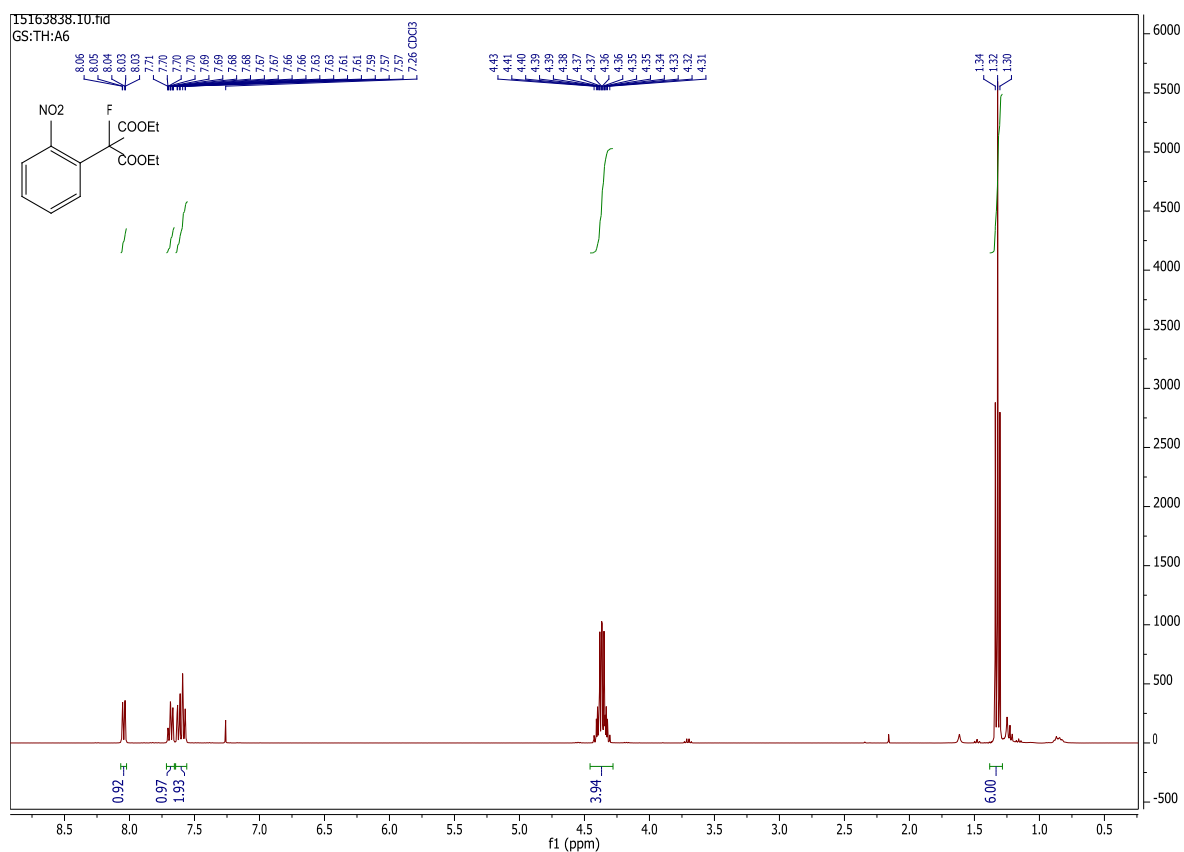
*Corresponding author

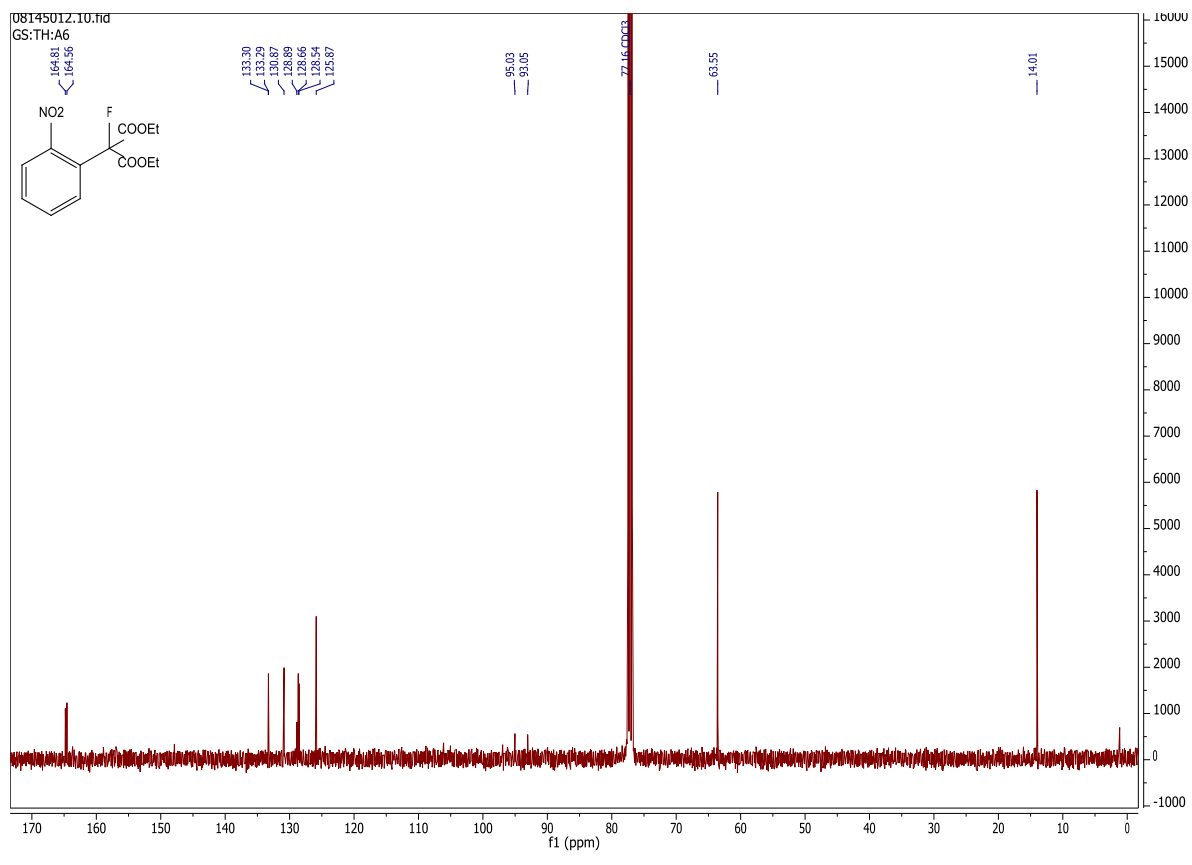
NMR spectra

Diethyl 2-fluoro-2-(2-nitrophenyl)malonate (3)	S3
2-Fluoro-2-(2-nitrophenyl)acetic acid (4a)	S5
2-Fluoro-2-(2-nitro-4-trifluoromethylphenyl)acetic acid (4b)	S7
2-Fluoro-2-(2-nitro-4-bromophenyl)acetic acid (4c)	S9
2-Fluoro-2-(2,4-dinitrophenyl)acetic acid (4d)	S11
2-Fluoro-2-(2-nitro-5-methoxyphenyl)acetic acid (4e)	S13

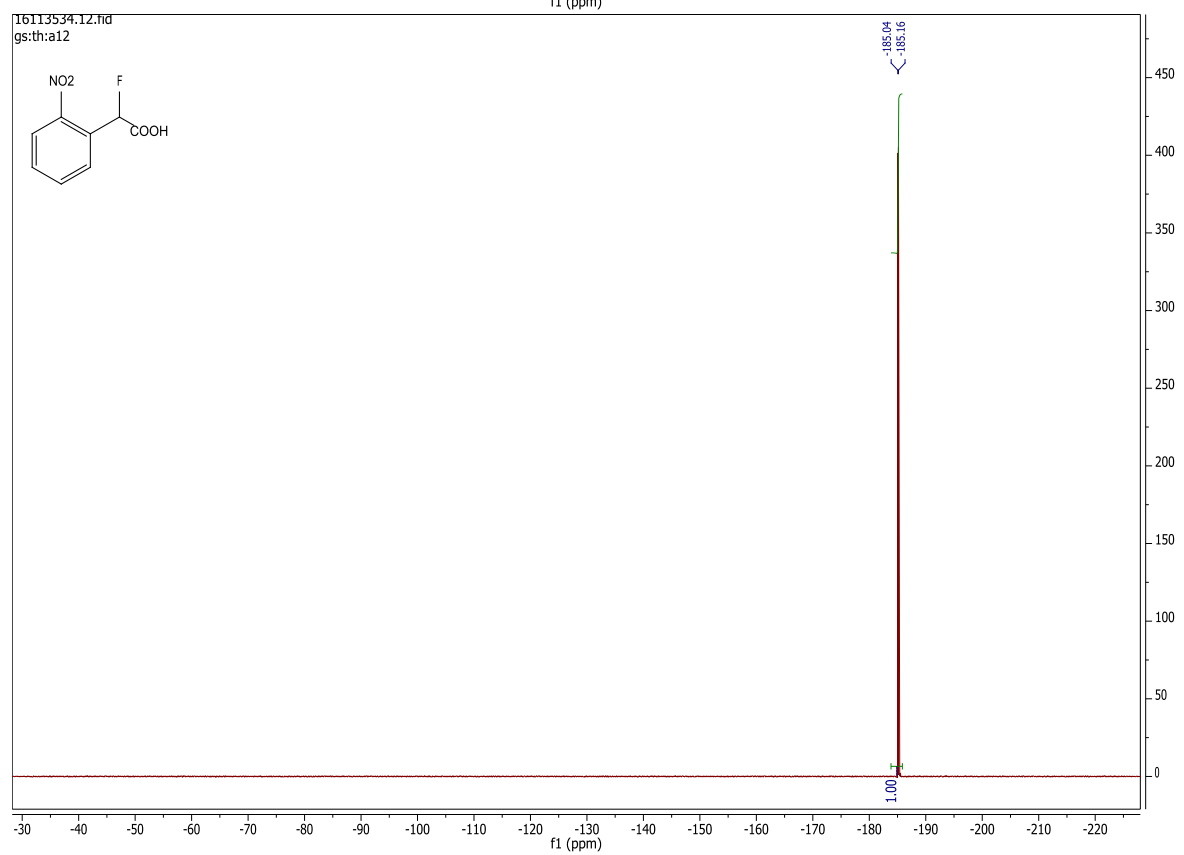
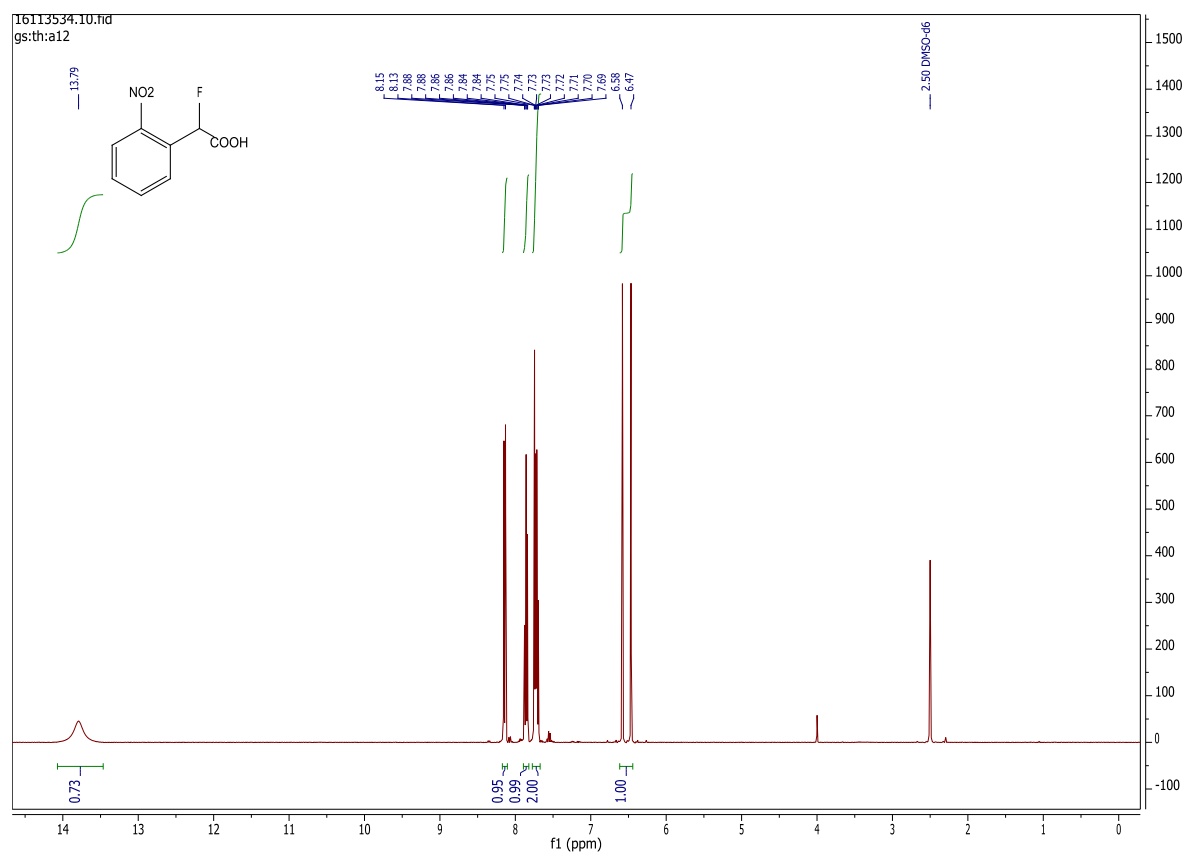
Potassium 2-fluoro-2-(3-nitro-2-pyridinyl)acetate (4f)	S15
Methyl 2-fluoro-2-(2-nitrophenyl)acetate (6a)	S17
Methyl 2-fluoro-2-(2-nitro-4-trifluoromethylphenyl)acetate (6b)	S19
Methyl 2-fluoro-2-(2-nitro-4-bromophenyl)acetate (6c)	S21
Methyl 2-fluoro-2-(2,4-dinitrophenyl)acetate (6d)	S23
Methyl 2-fluoro-2-(2-nitro-5-methoxyphenyl)acetate (6e)	S25
3-Fluorooxindole (8a)	S27
3-Fluoro-6-trifluoromethyloxindole (8b)	S29
3-Fluoro-6-bromooxindole (8c)	S31
3-Fluoro-5-methoxyoxindole (8e)	S33
2,4-Dinitrobenzyl fluoride 5	S35
2-Fluoromethyl-3-nitropyridine (7)	S37

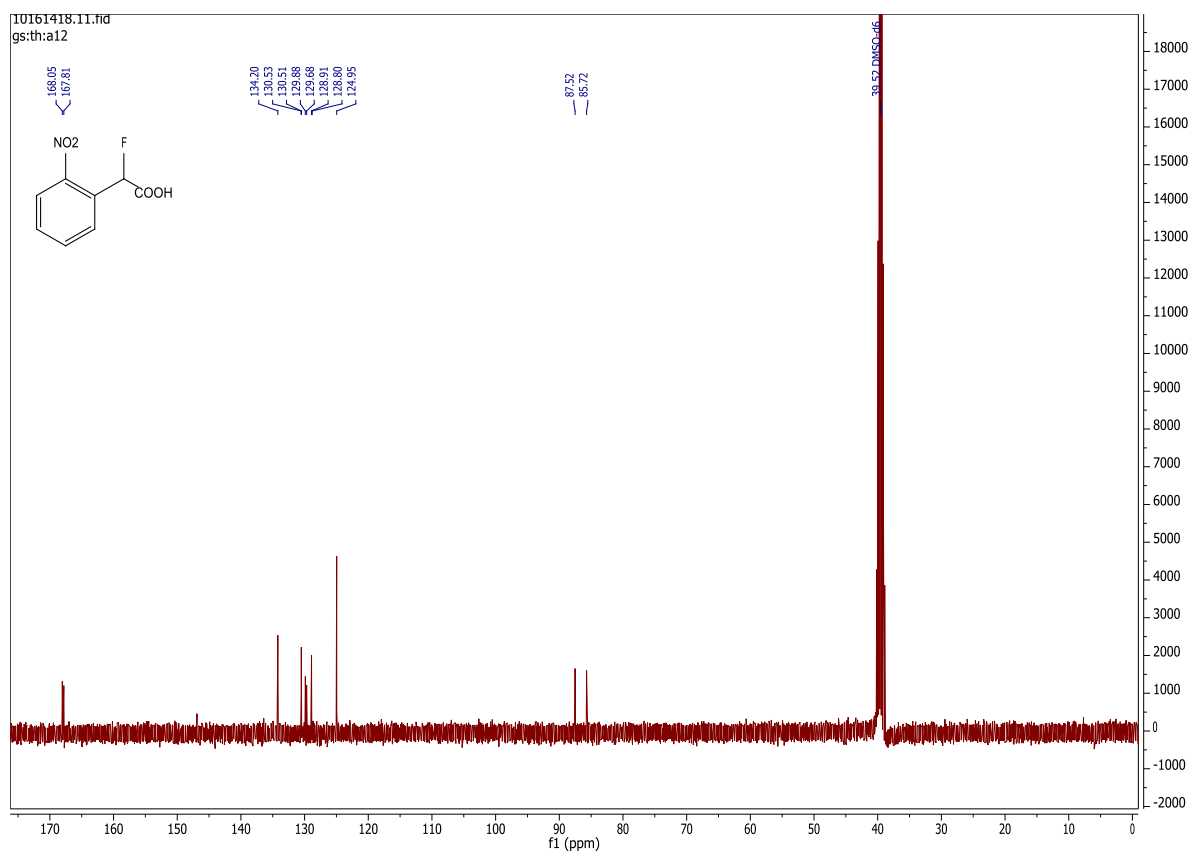
Diethyl 2-fluoro-2-(2-nitrophenyl)malonate (3)



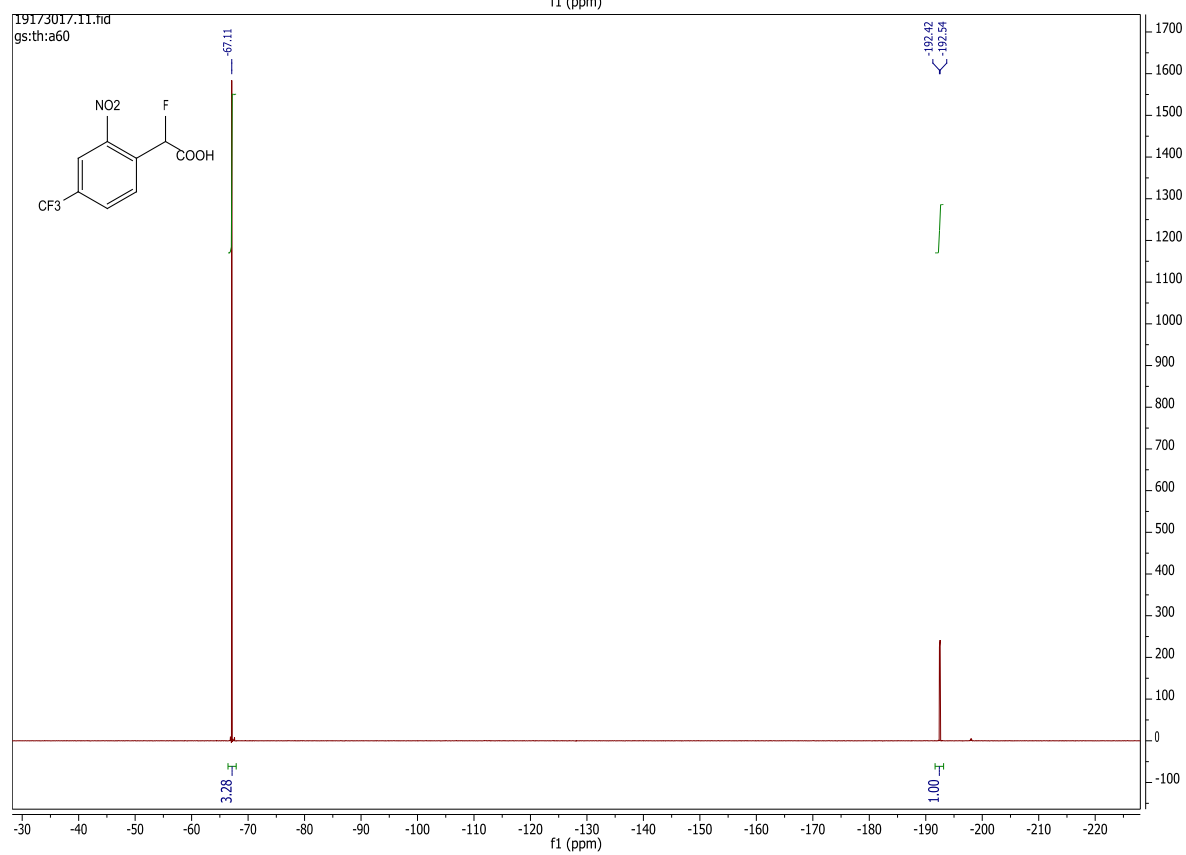
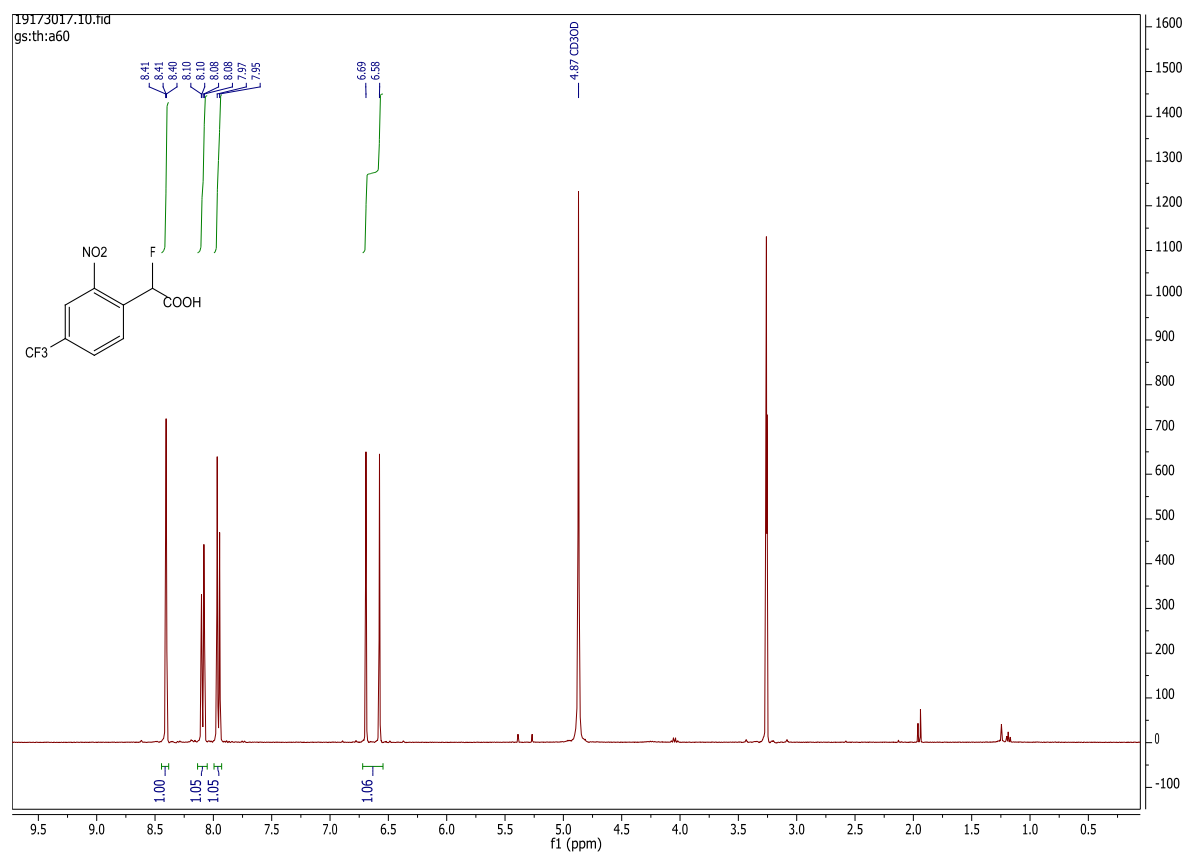


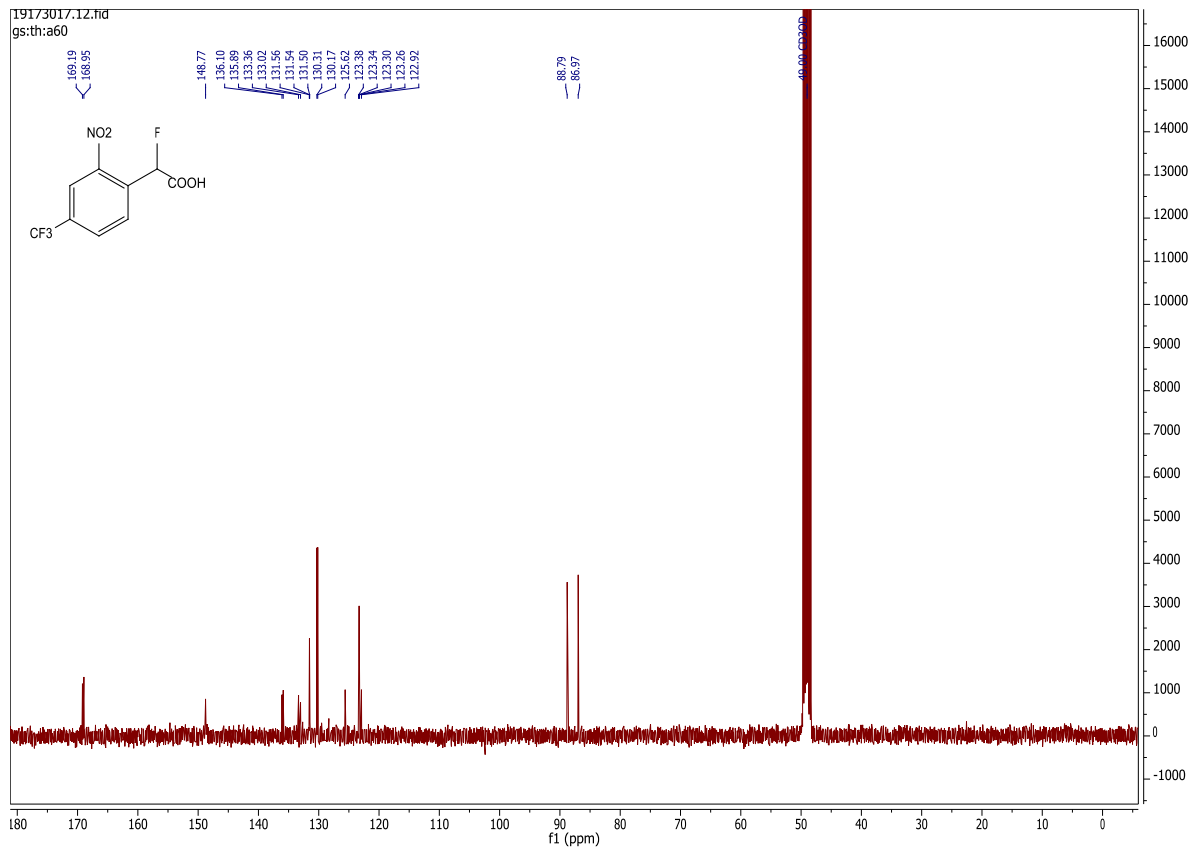
2-Fluoro-2-(2-nitrophenyl)acetic acid (**4a**)



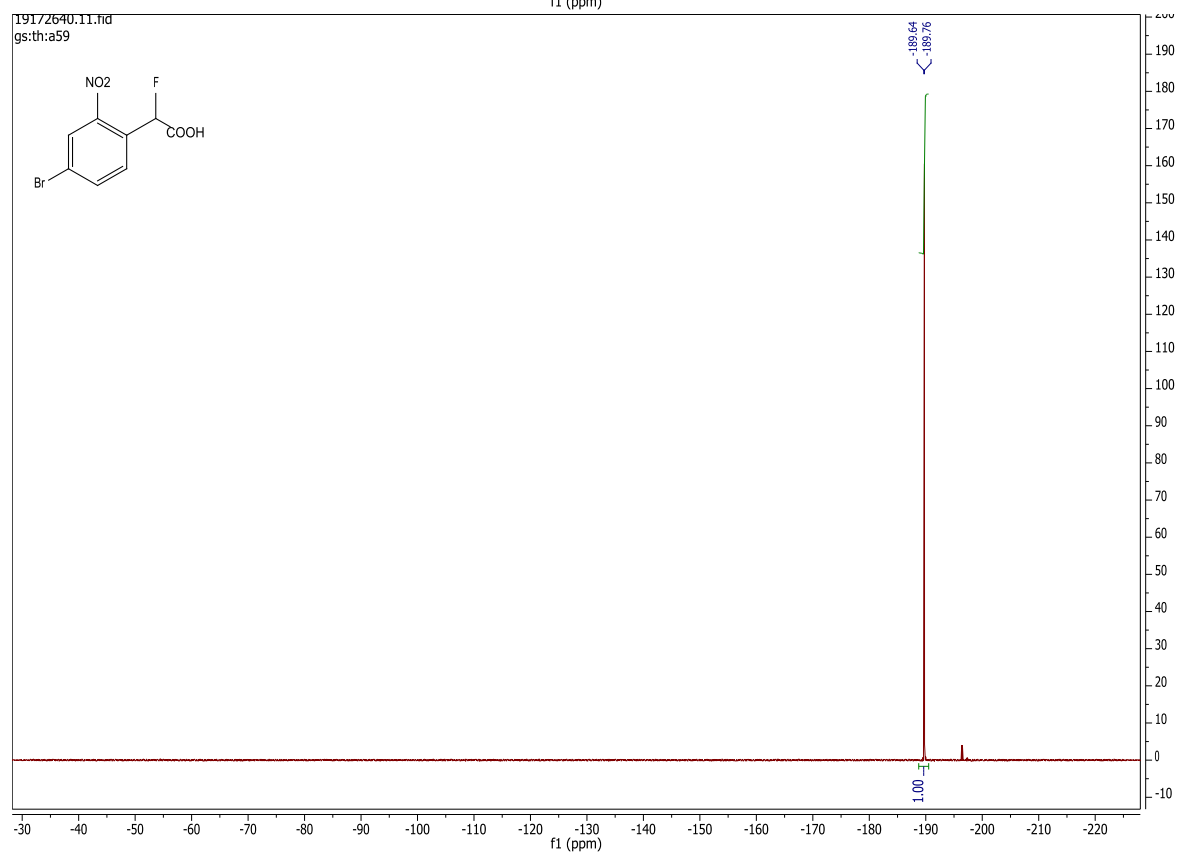
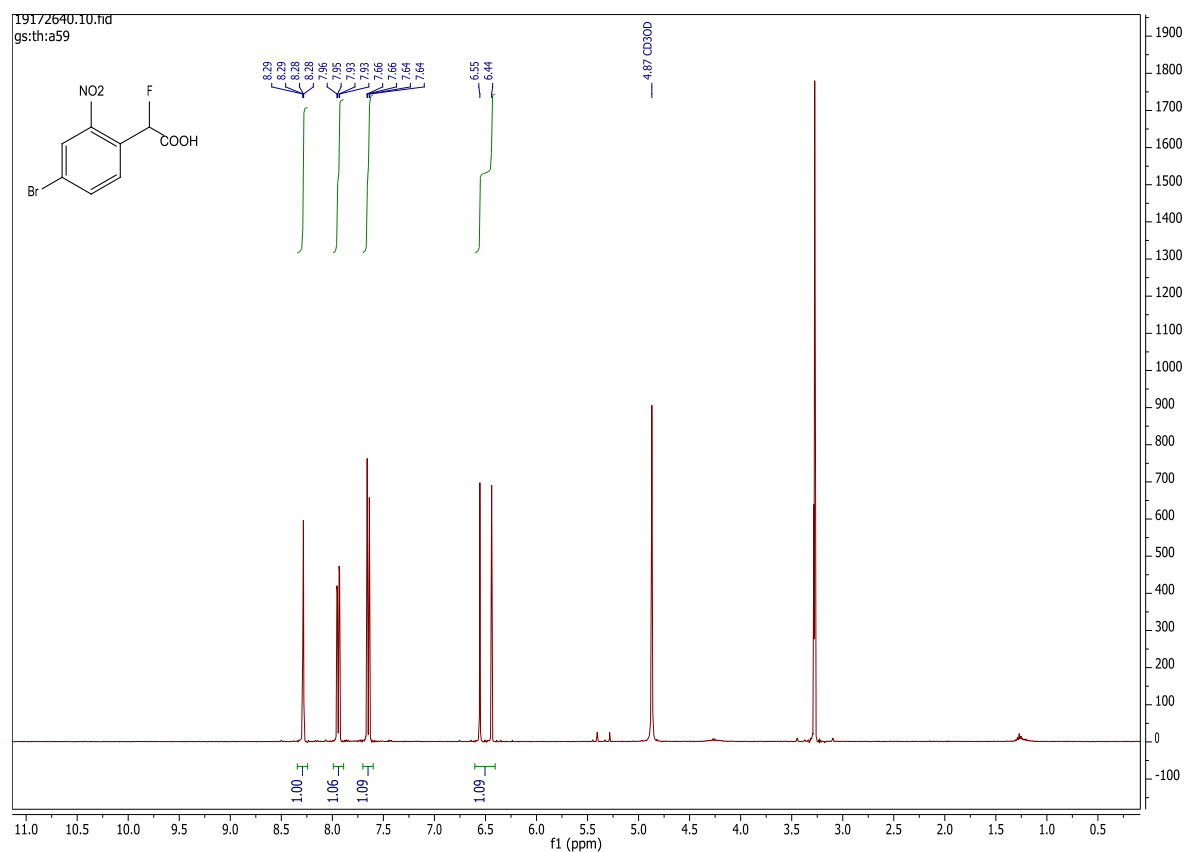


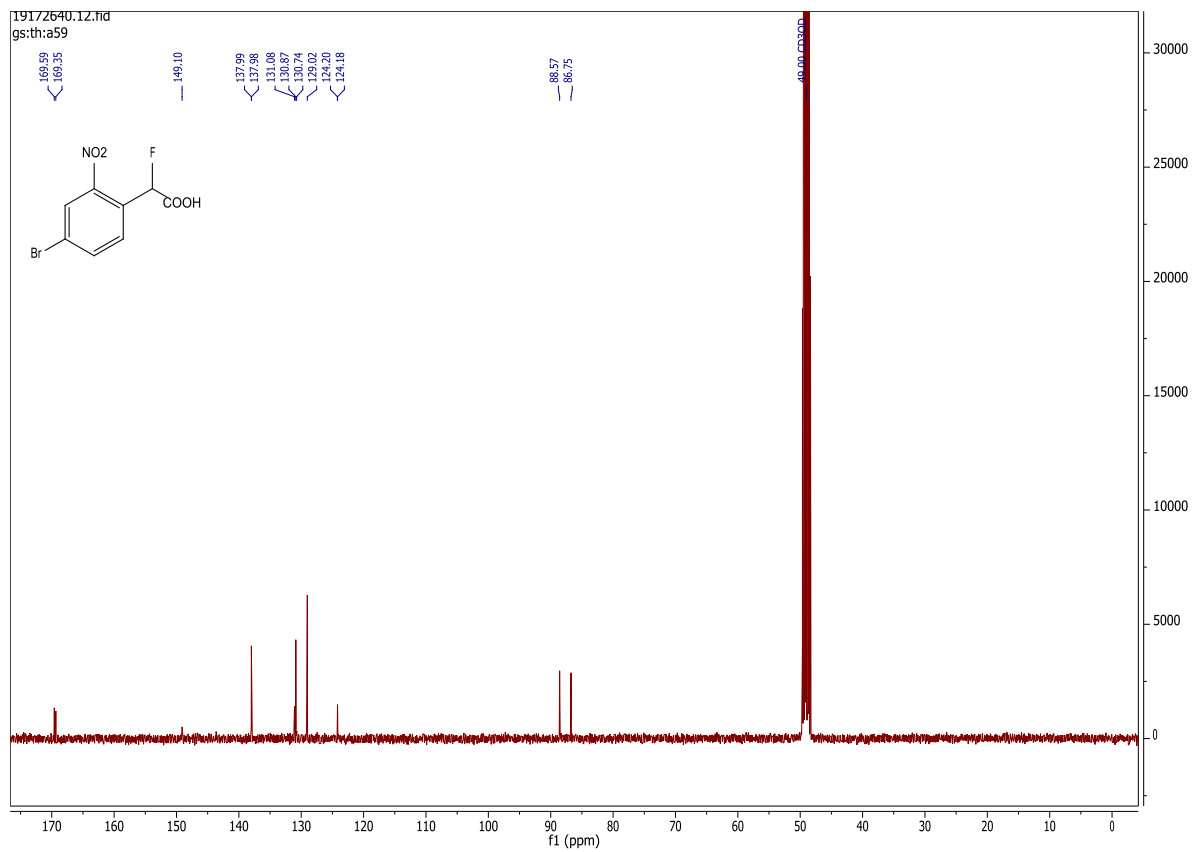
2-Fluoro-2-(2-nitro-4-(trifluoromethyl)phenyl)acetic acid (**4b**)



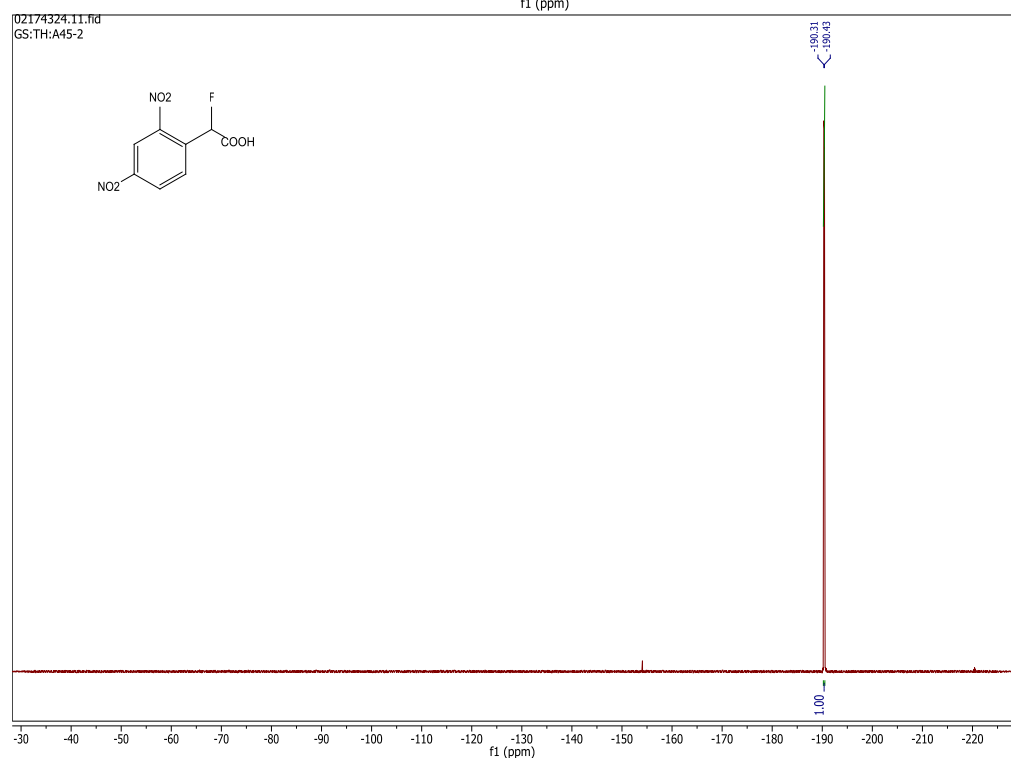
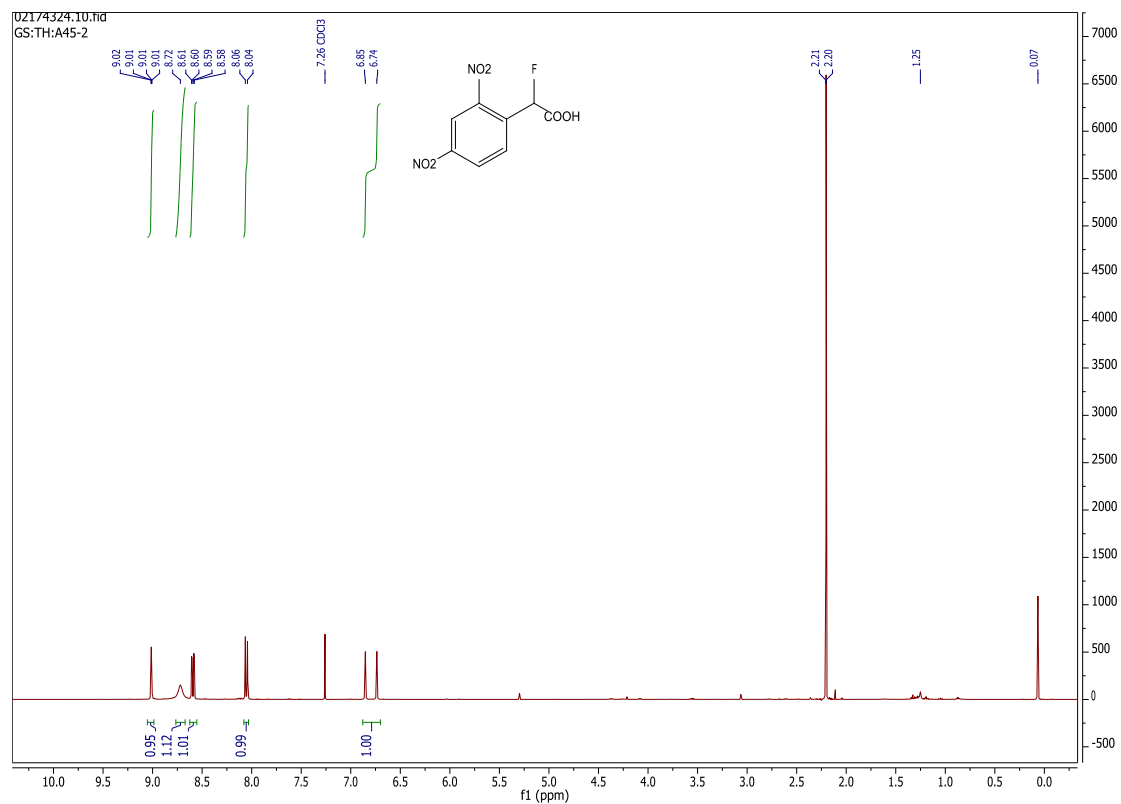


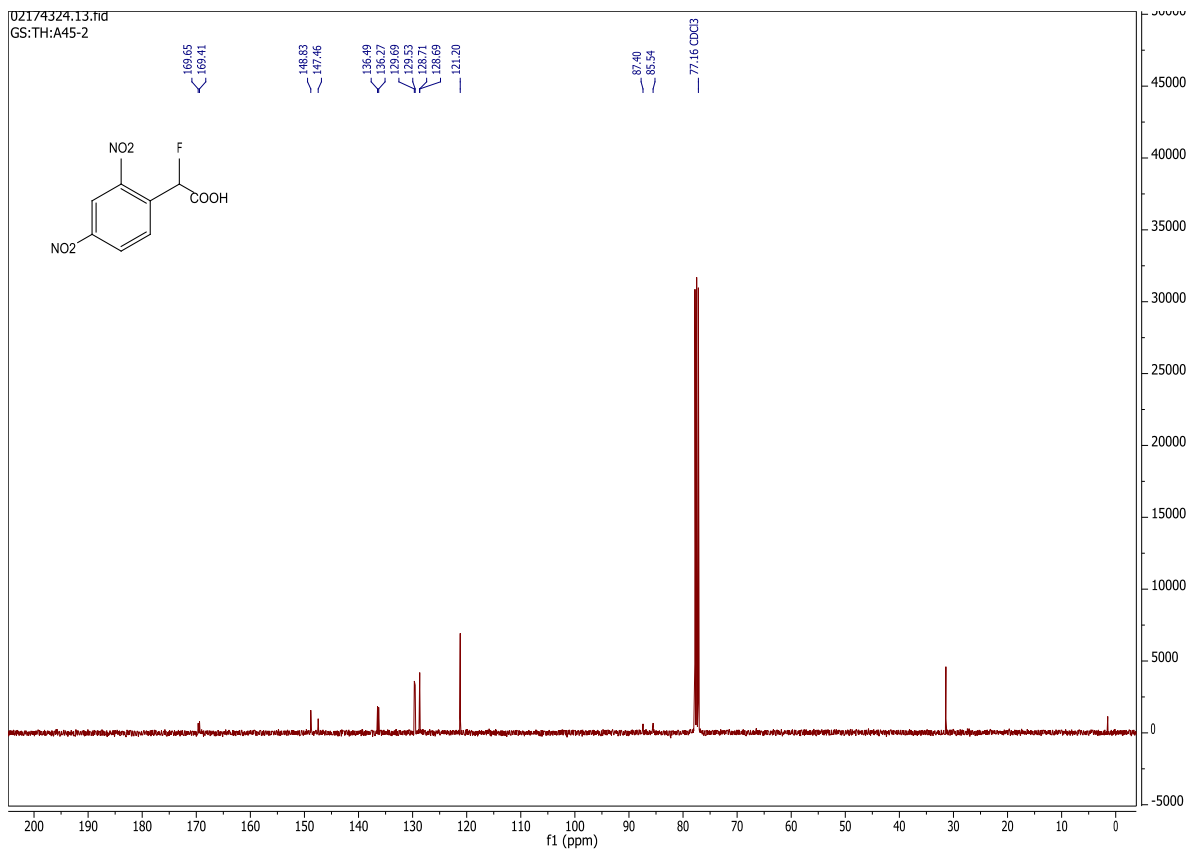
2-Fluoro-2-(2-nitro-4-bromophenyl)acetic acid (**4c**)



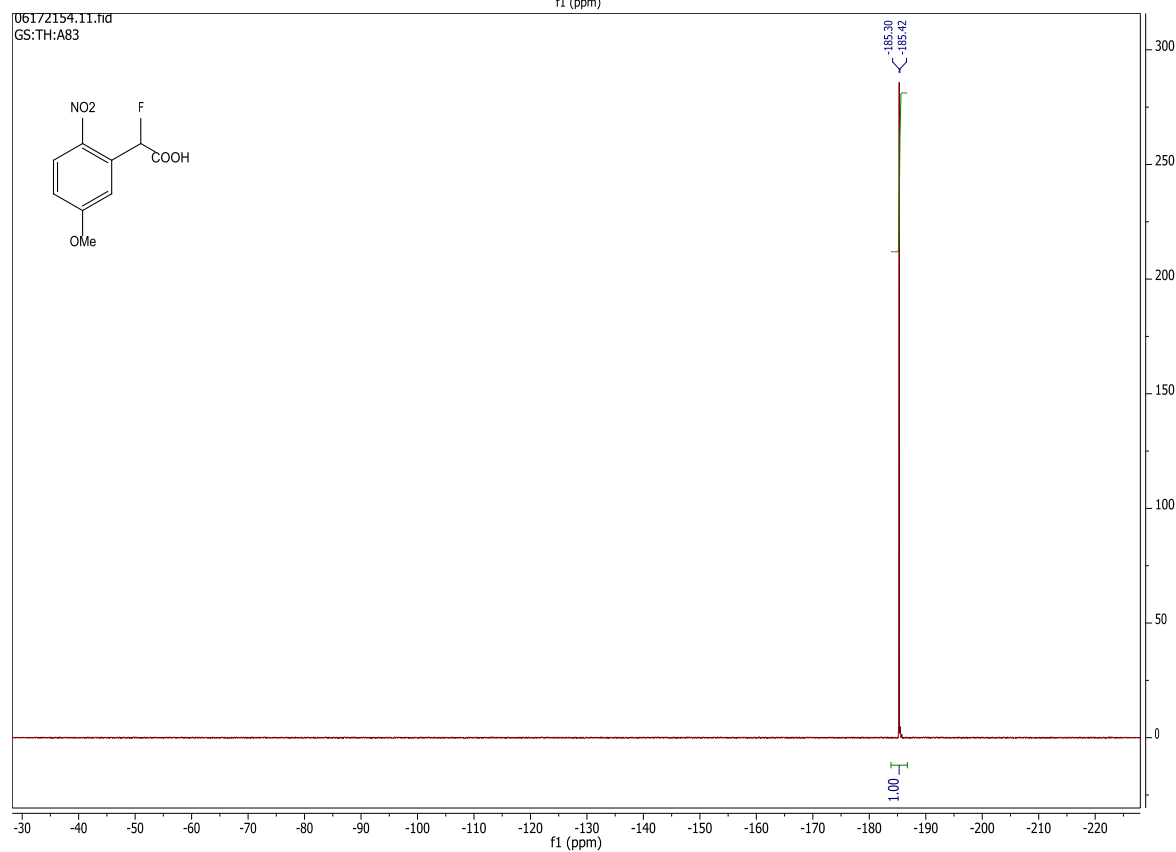
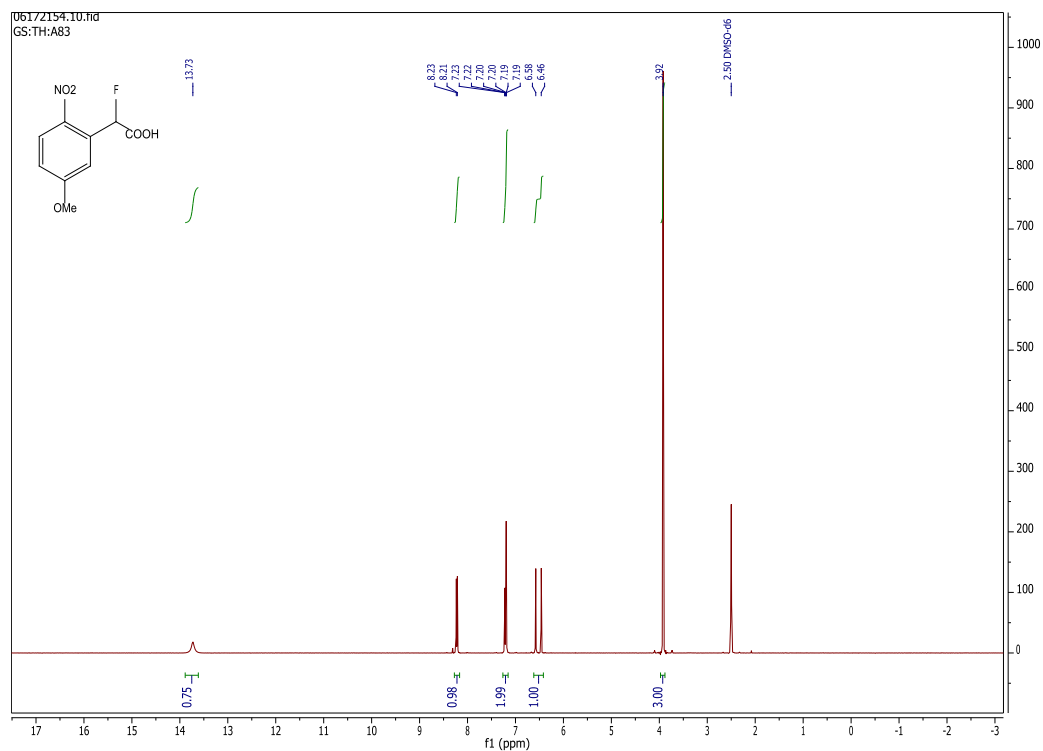


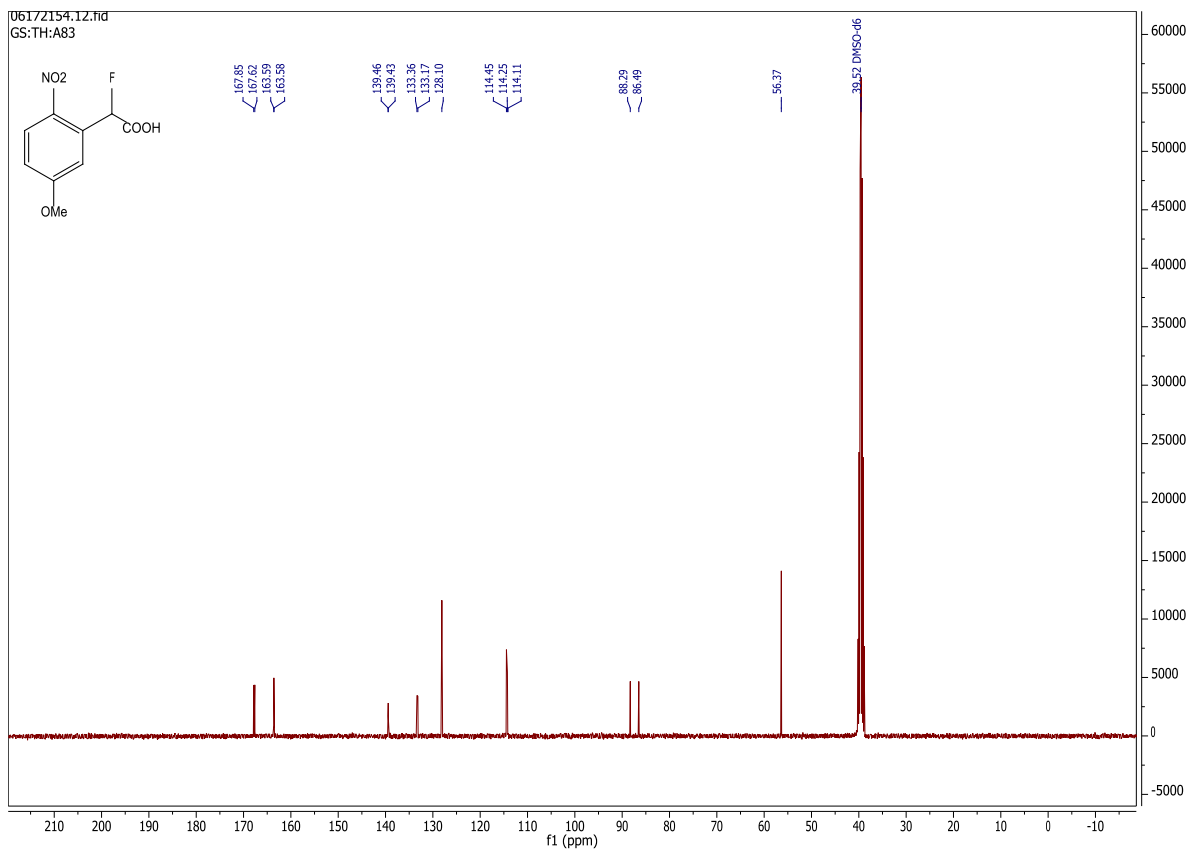
2-Fluoro-2-(2,4-dinitrophenyl)acetic acid (**4d**)



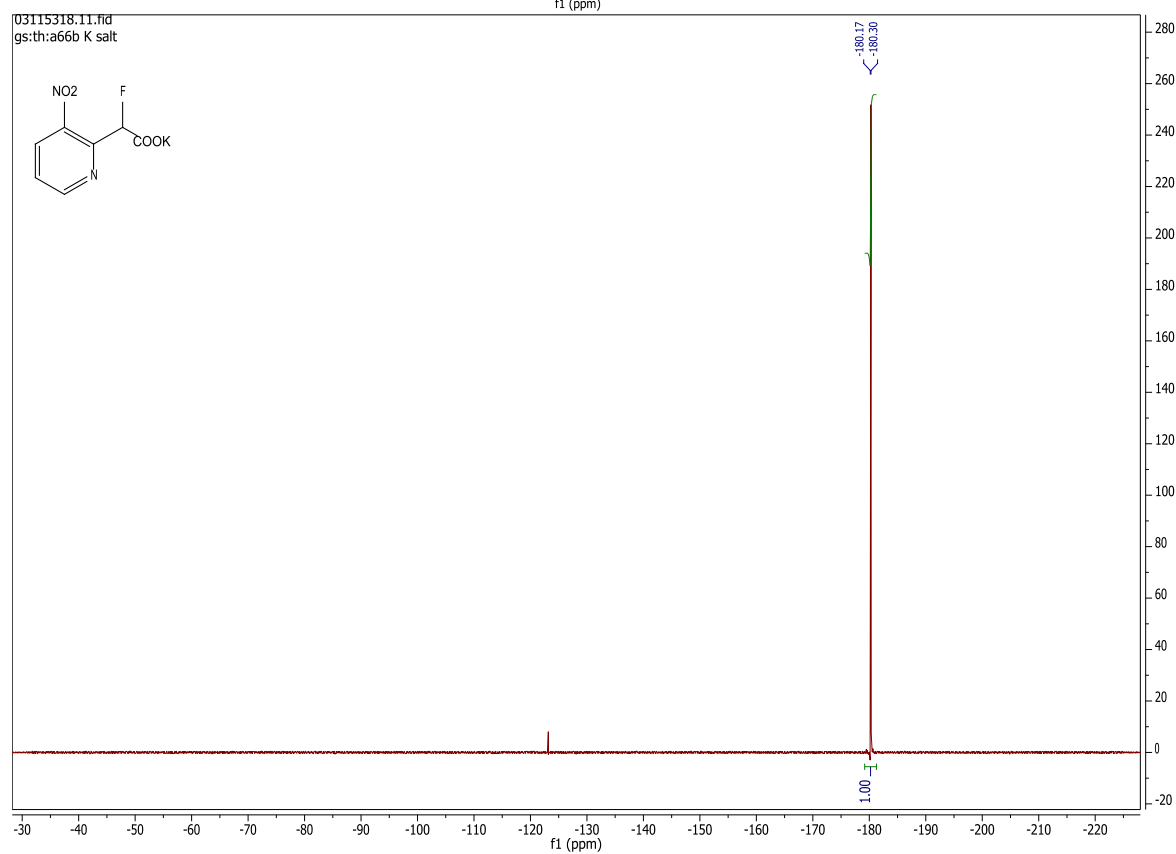
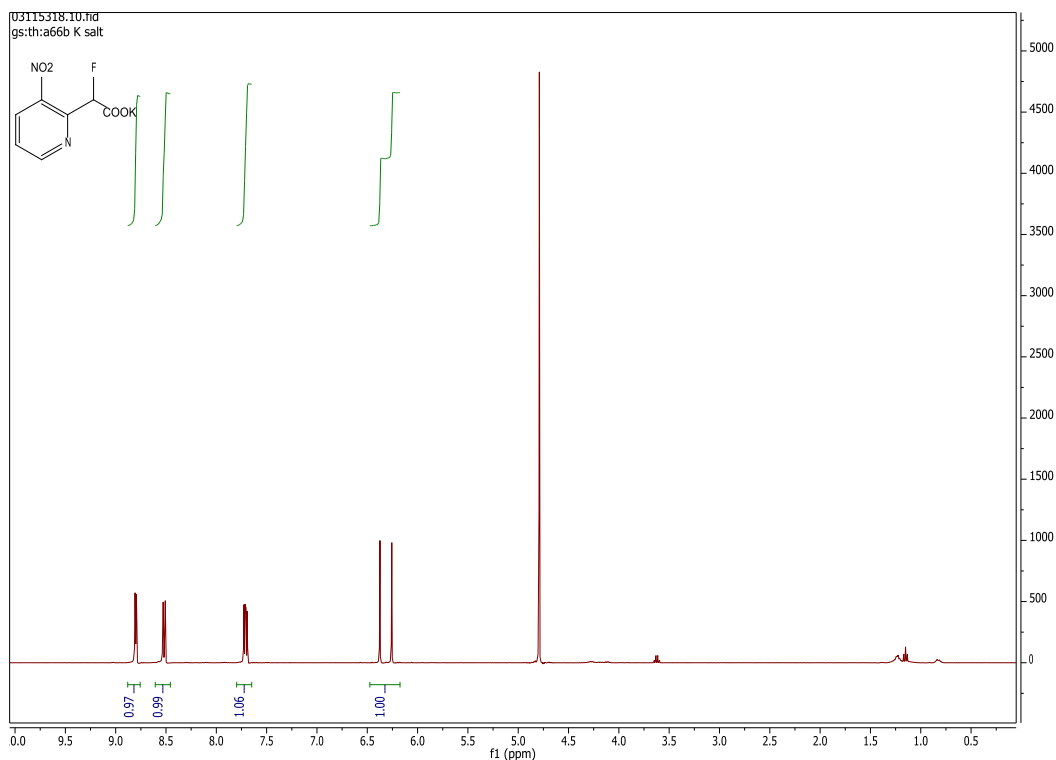


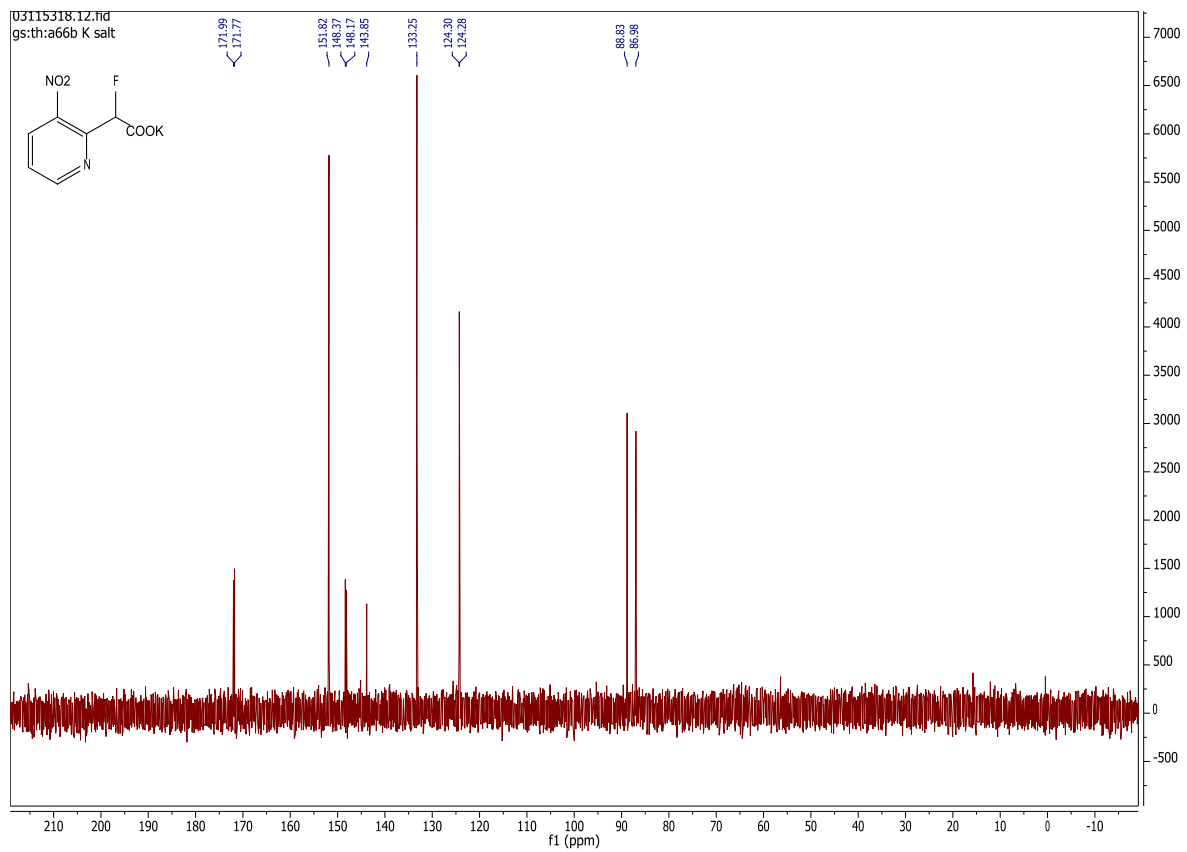
2-Fluoro-2-(2-nitro-5-methoxyphenyl)acetic acid (**4e**)



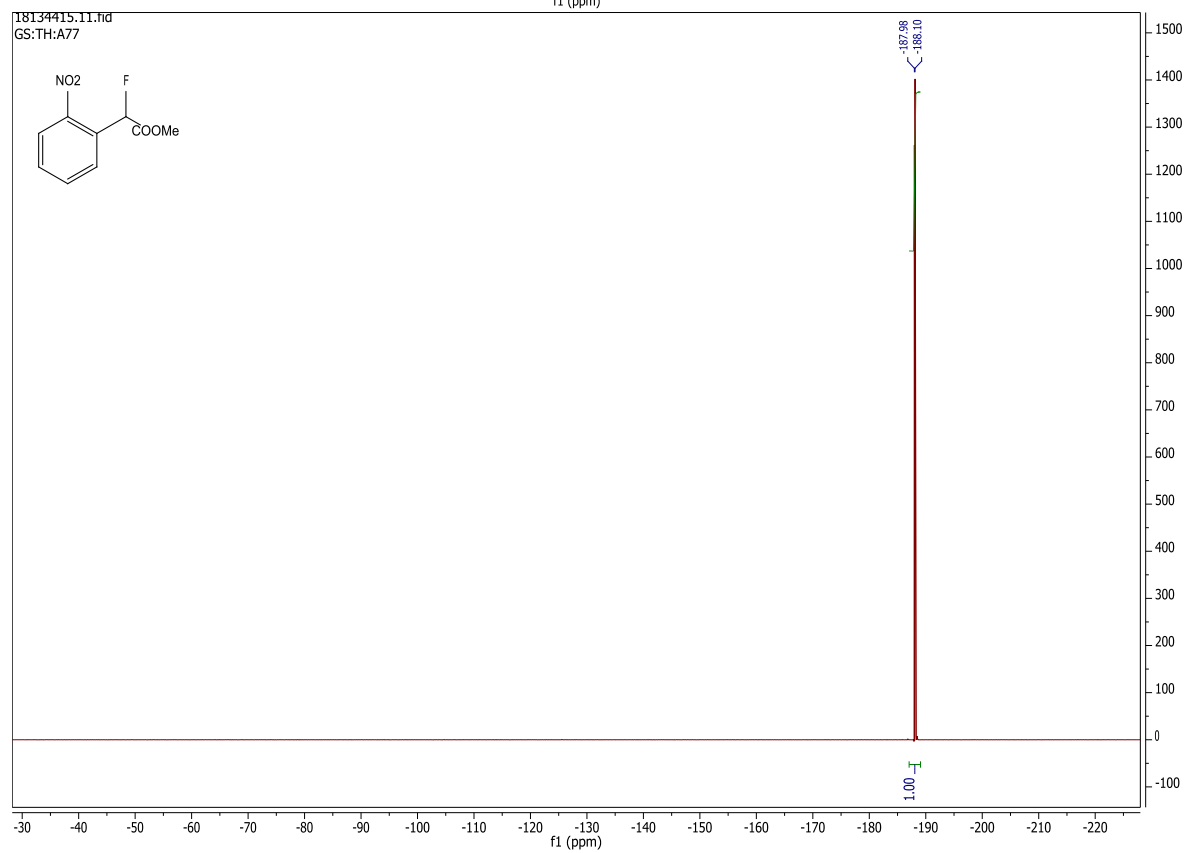
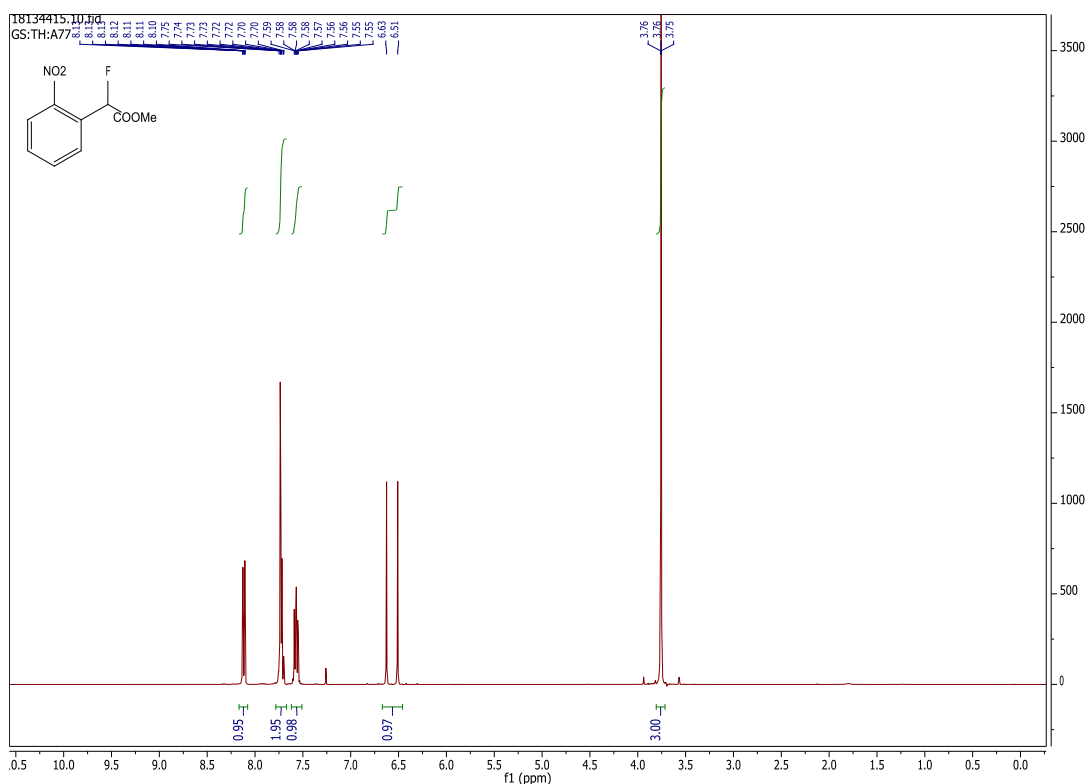


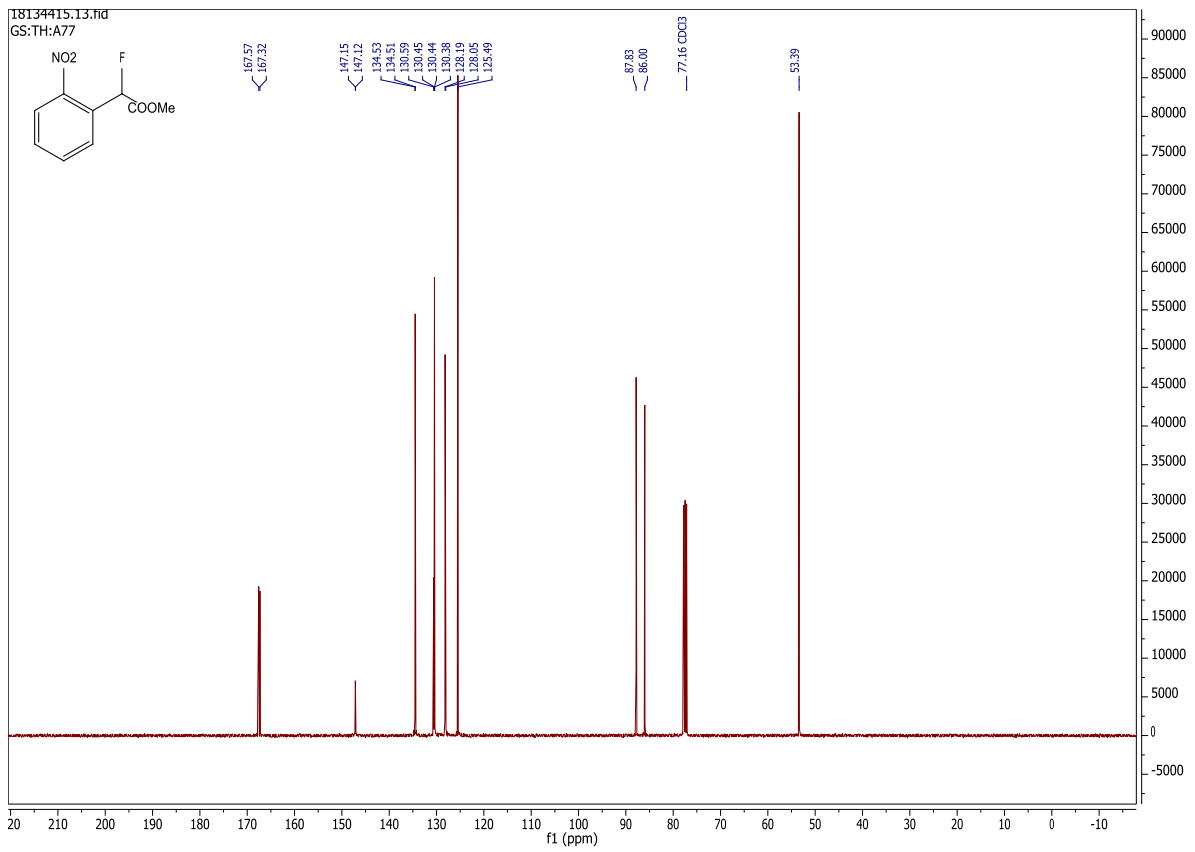
Potassium 2-fluoro-2-(3-nitro-2-pyridinyl)acetate (**4f**)



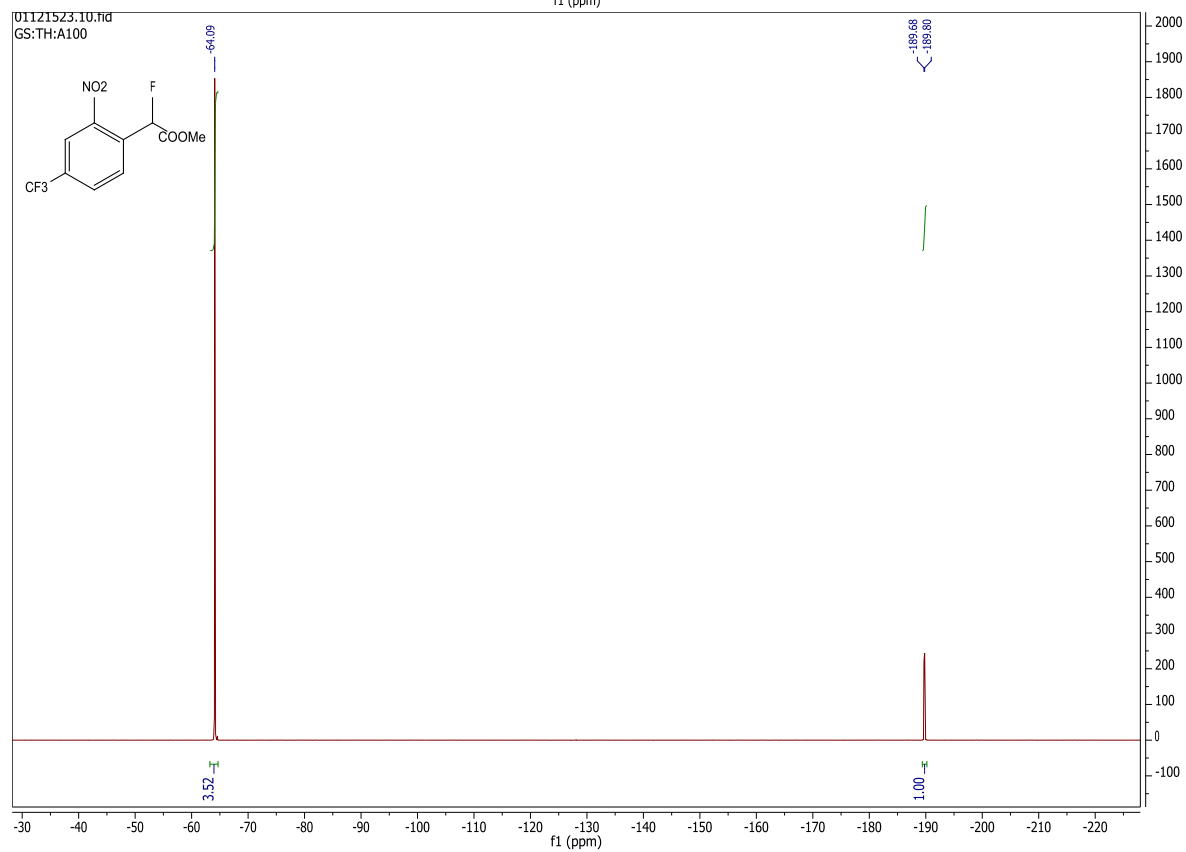
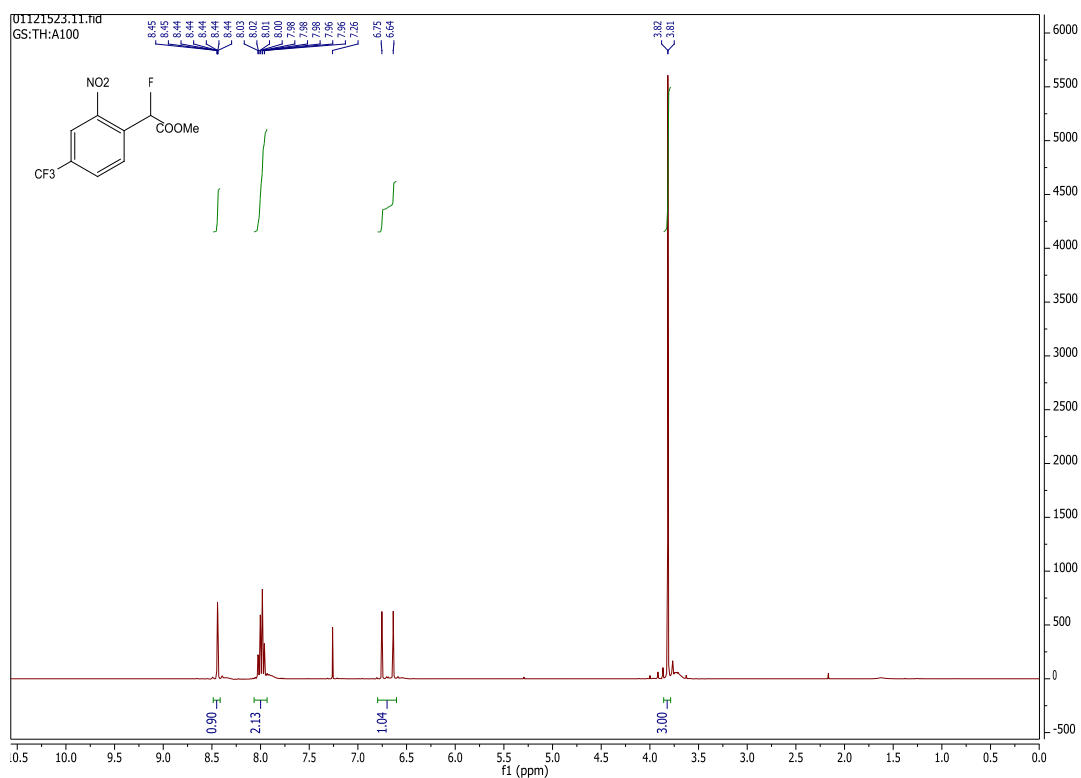


Methyl 2-fluoro-2-(2-nitrophenyl)acetate (**6a**)

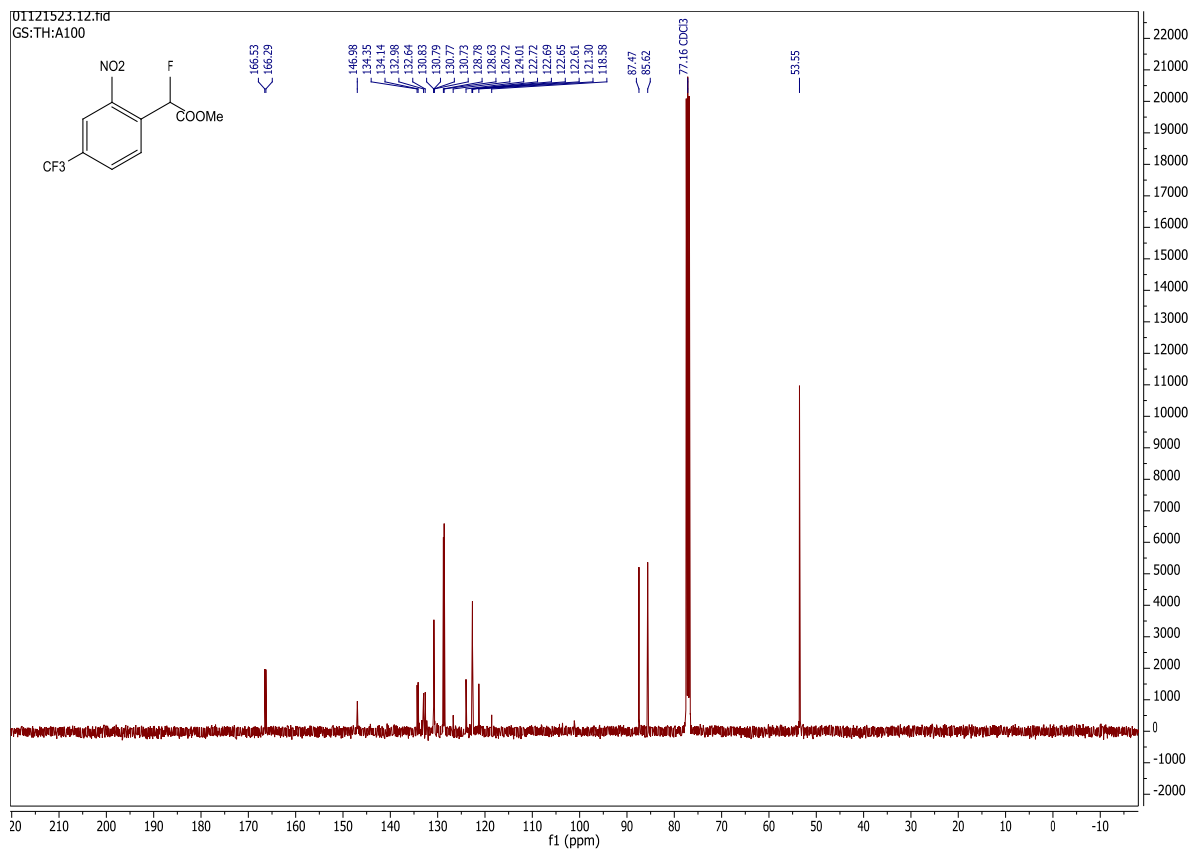
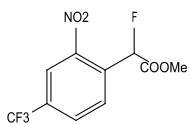




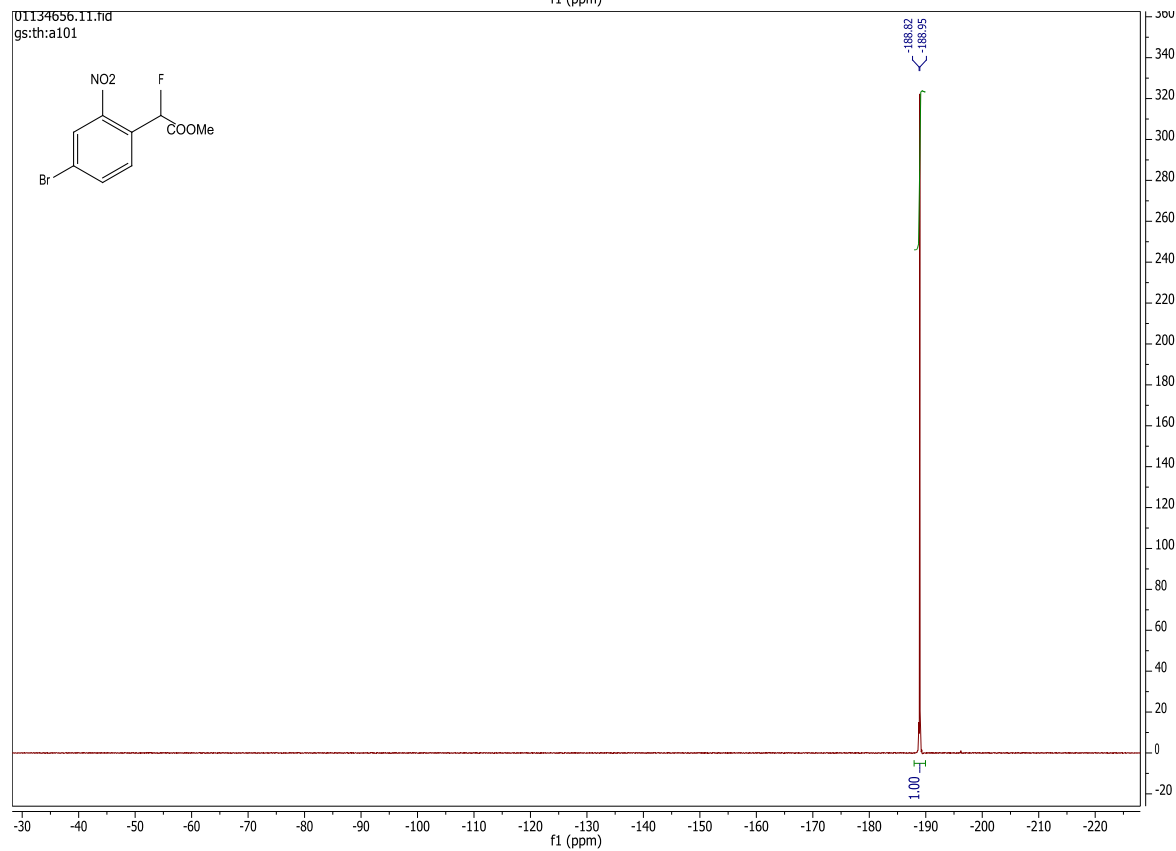
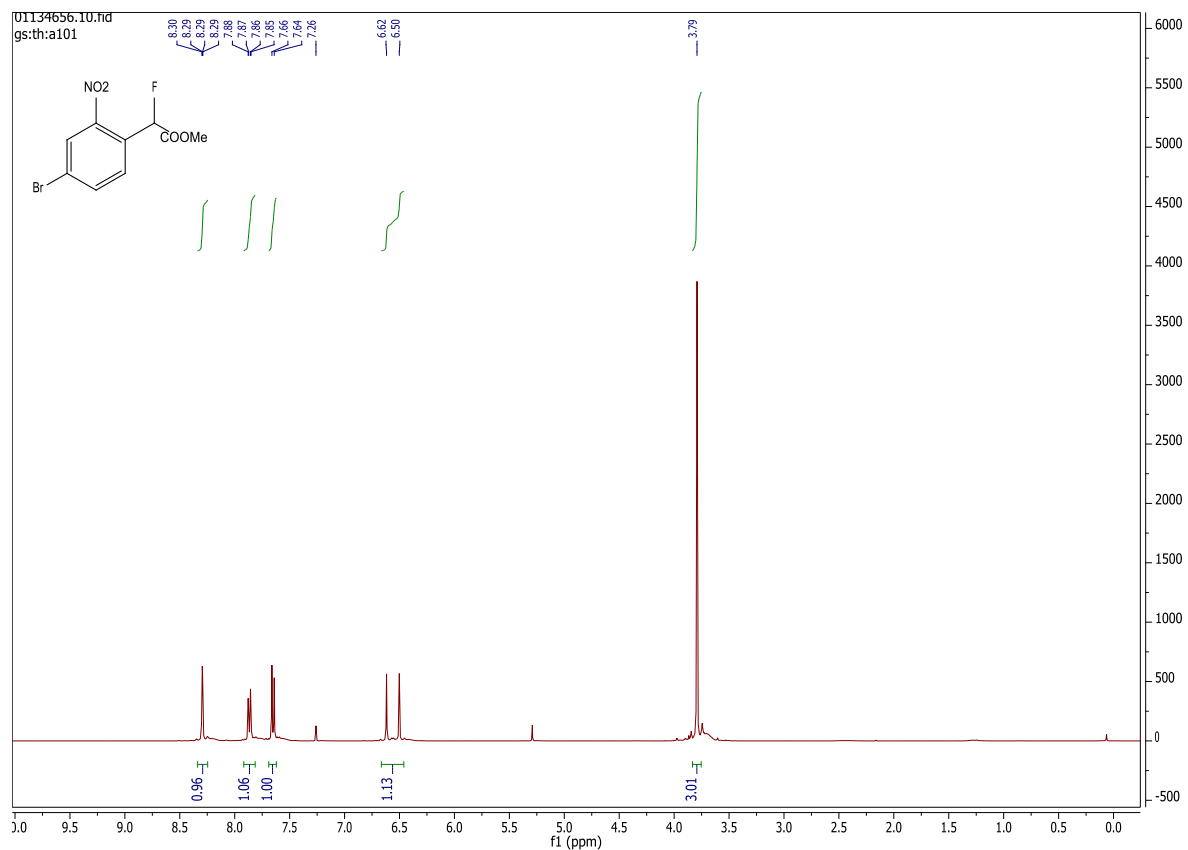
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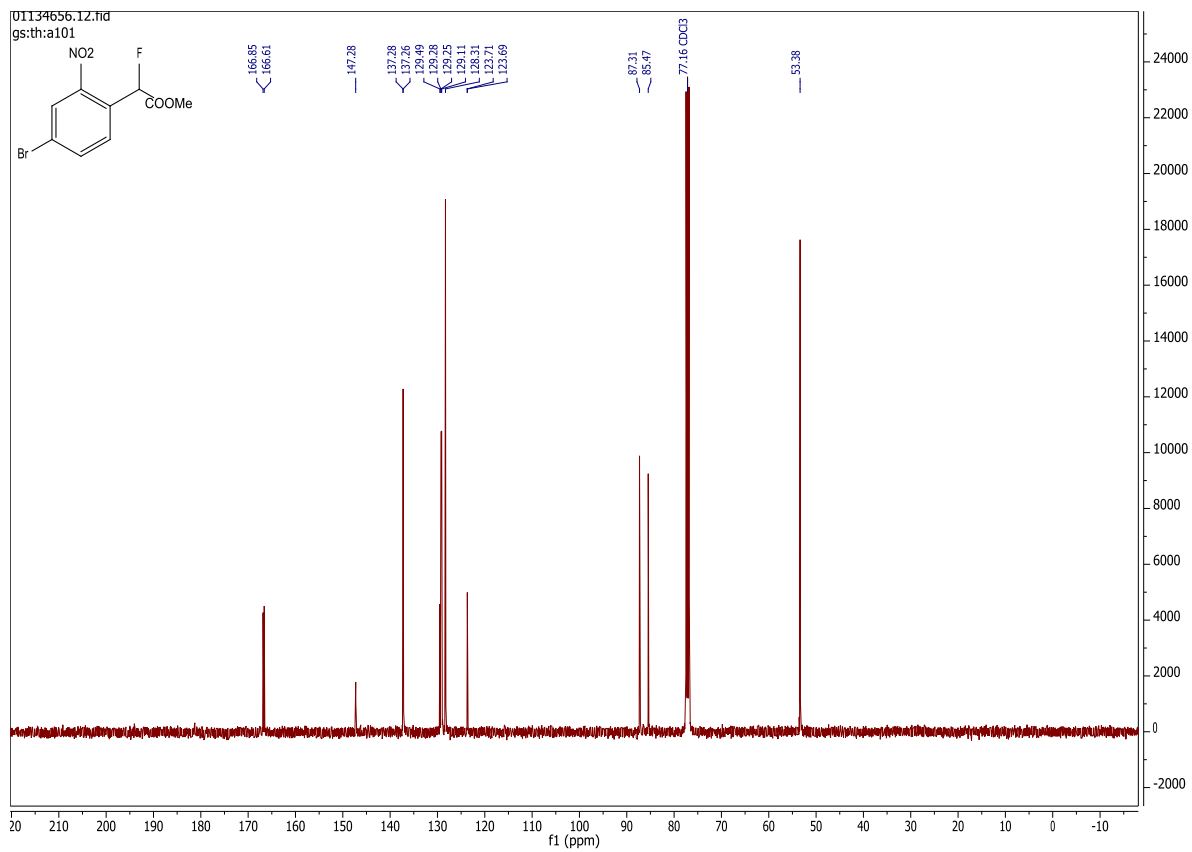


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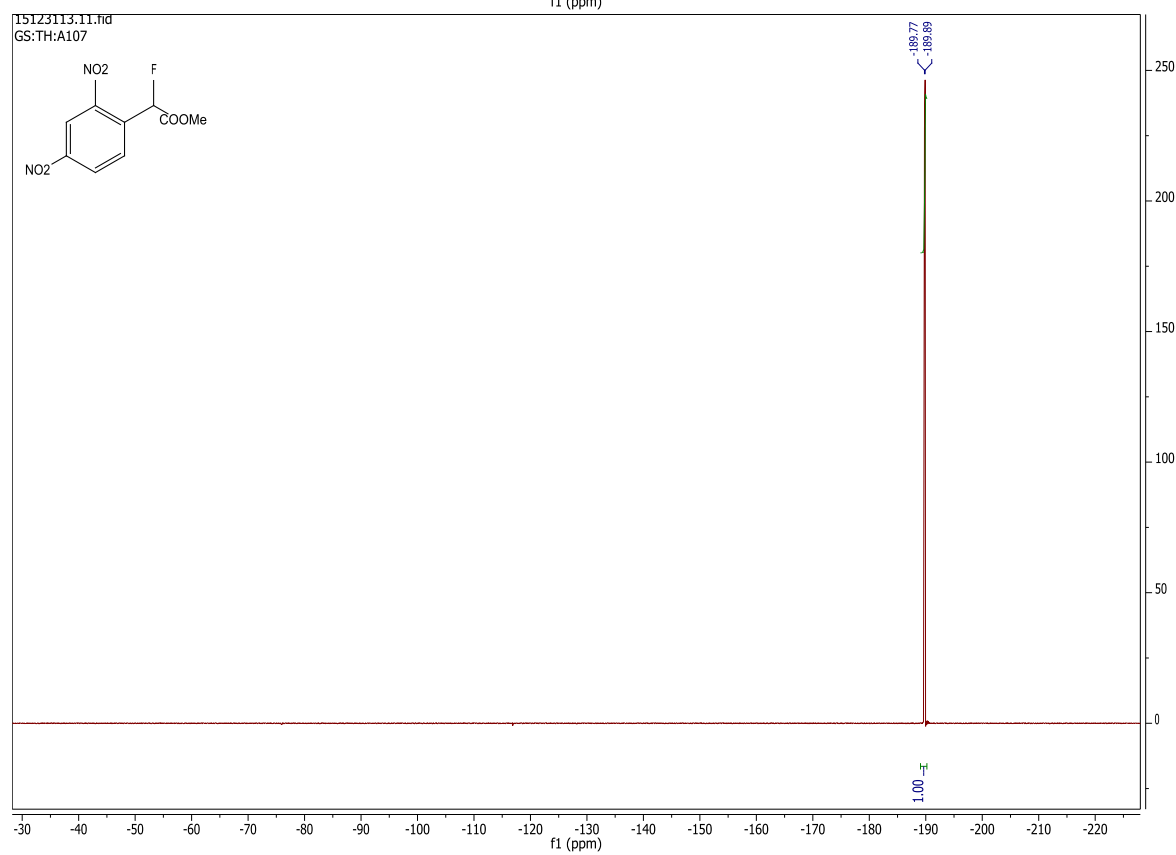
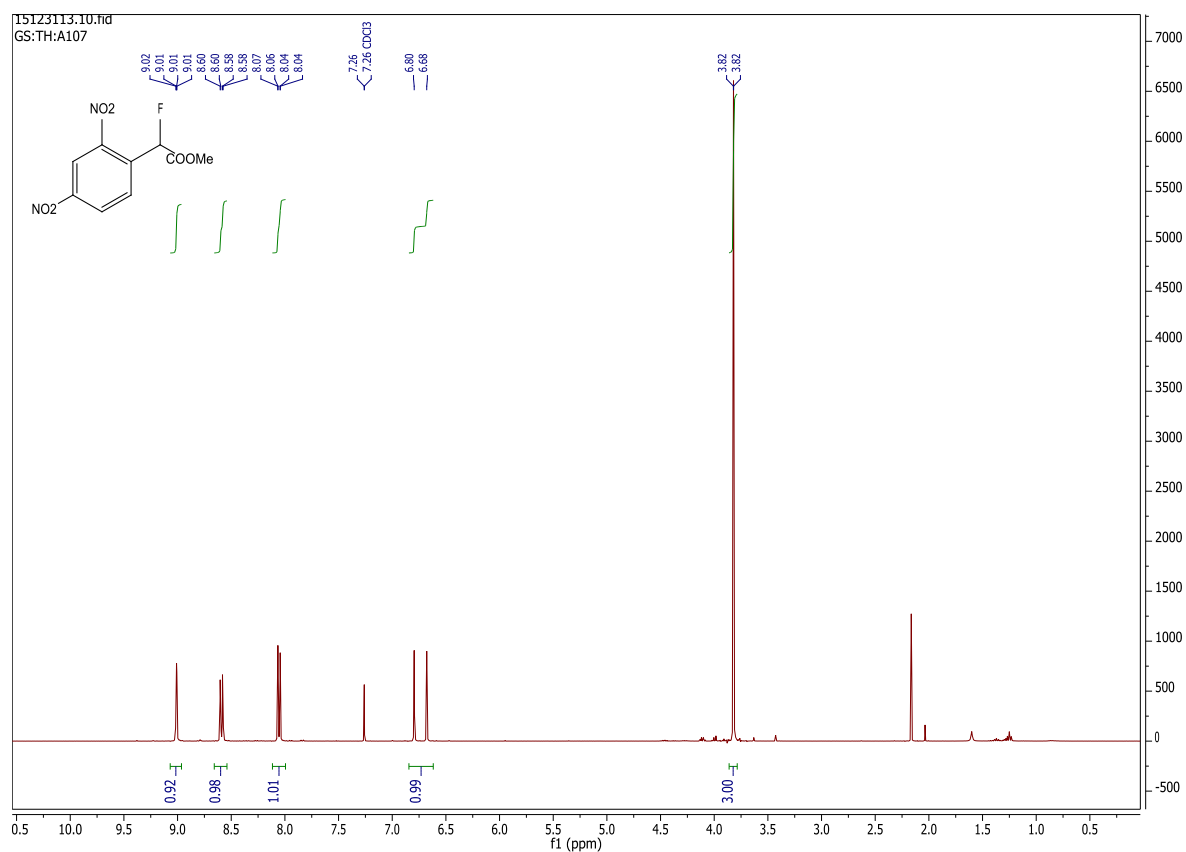


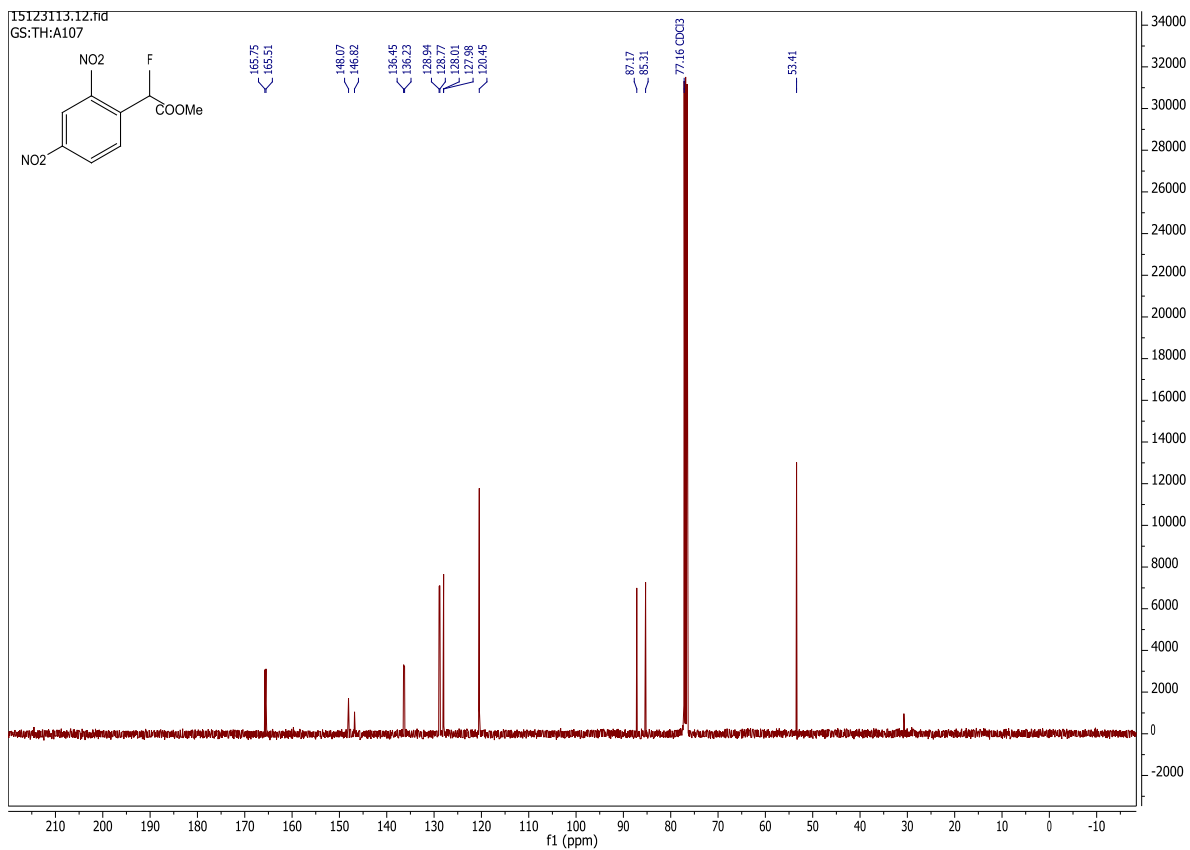
Methyl 2-fluoro-2-(2-nitro-4-bromophenyl)acetate (**6c**)



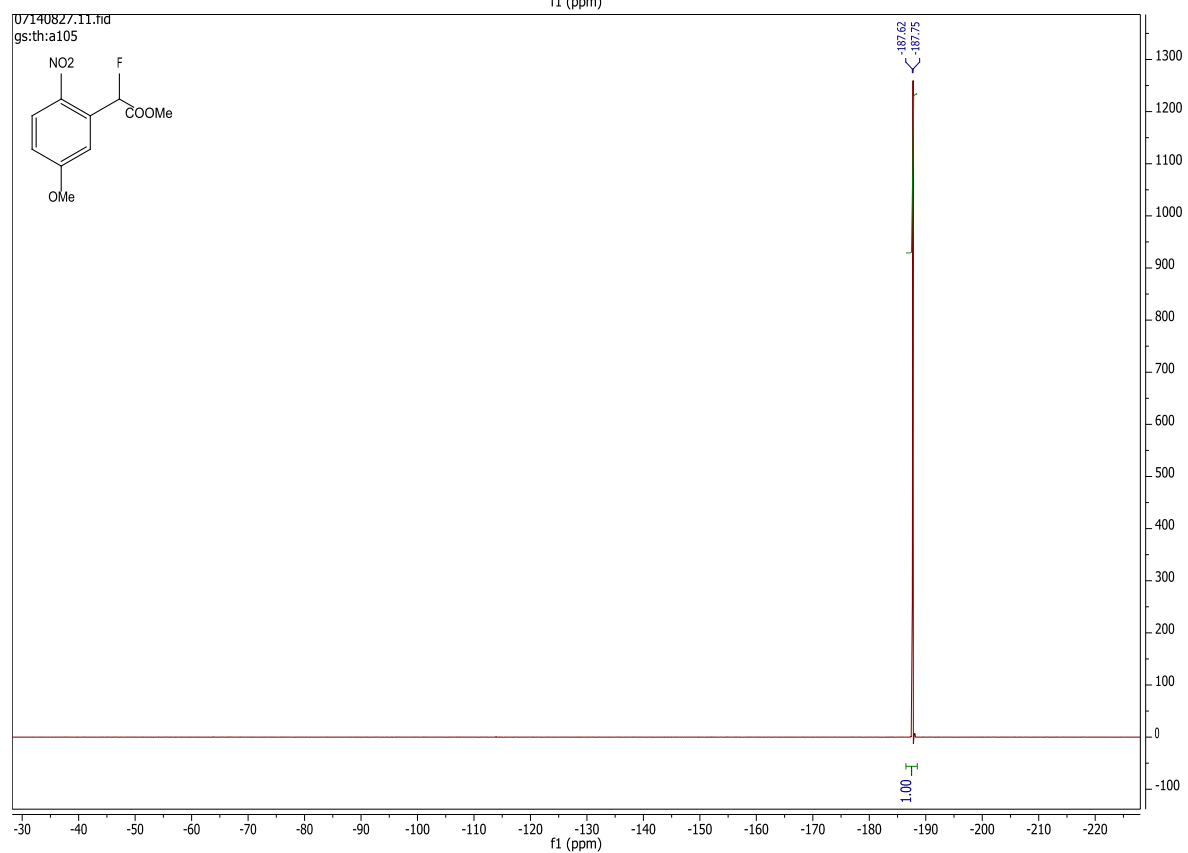
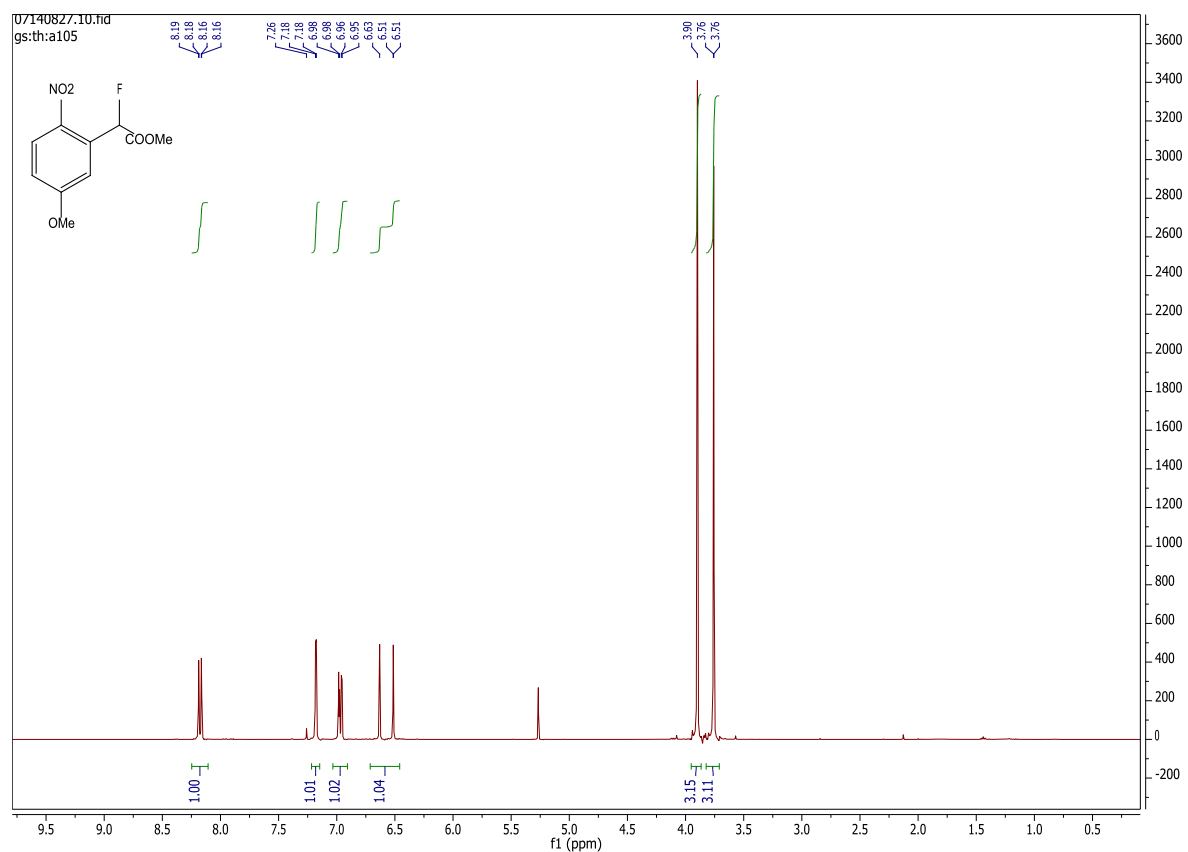


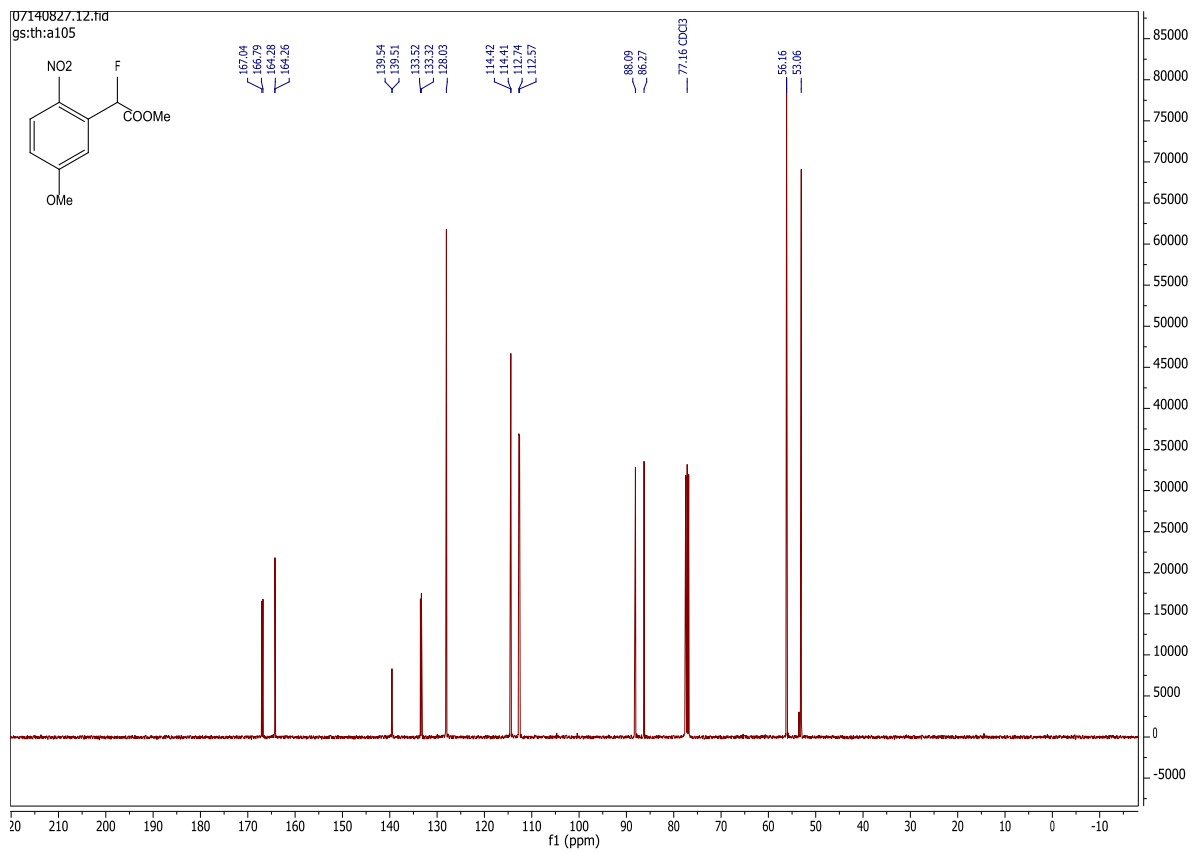
Methyl 2-fluoro-2-(2,4-dinitrophenyl)acetate (**6d**)



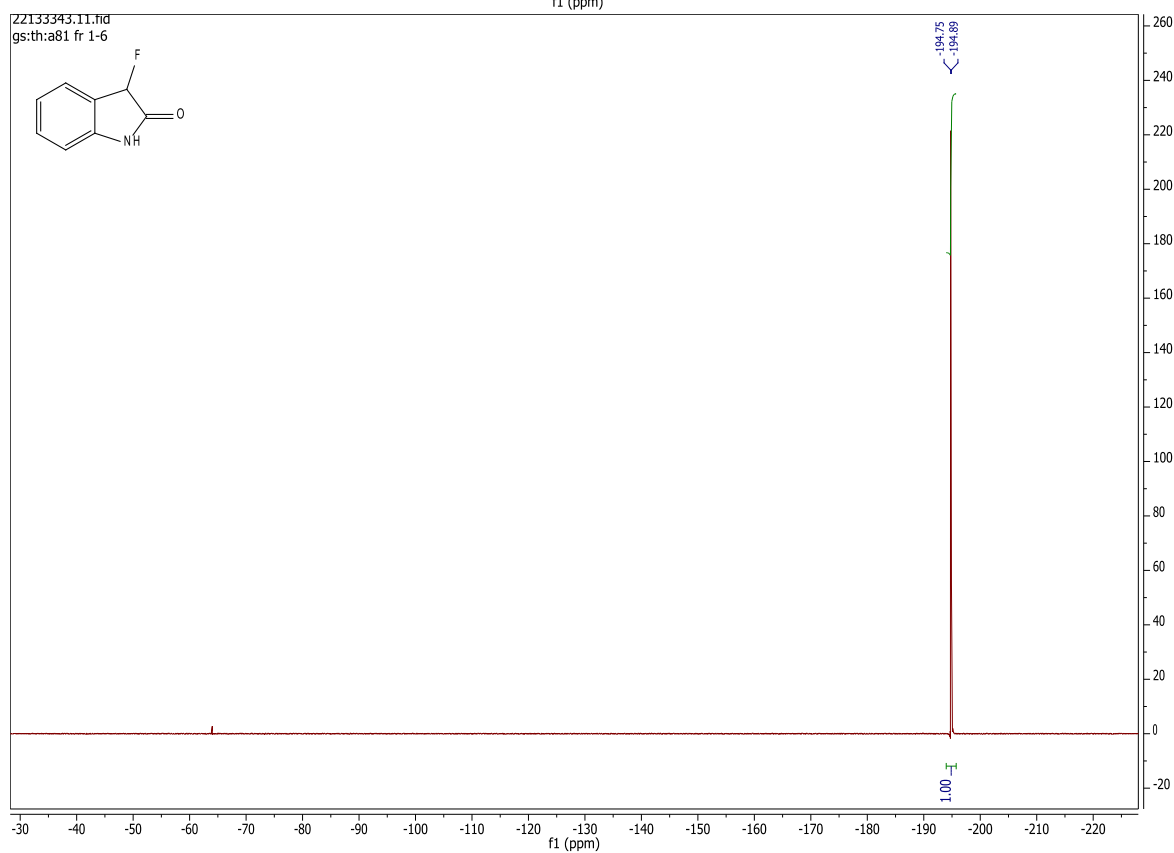
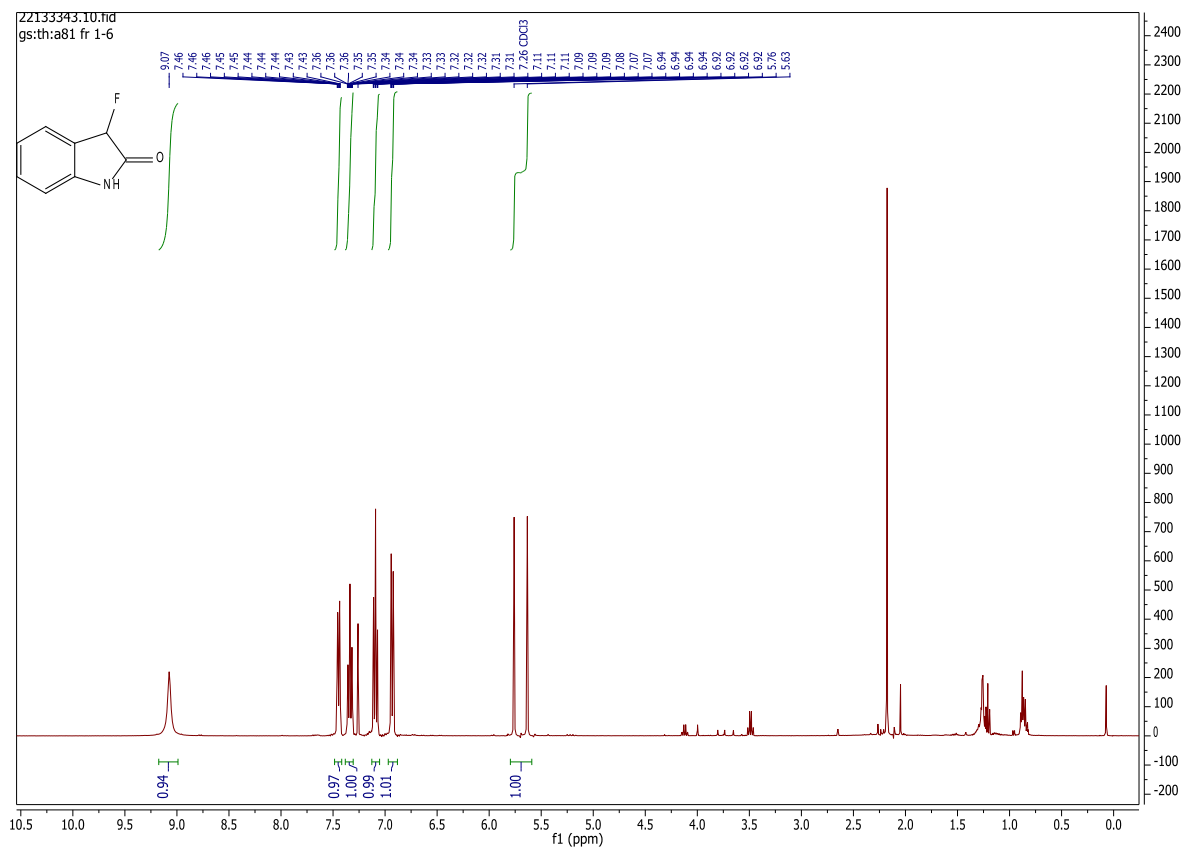


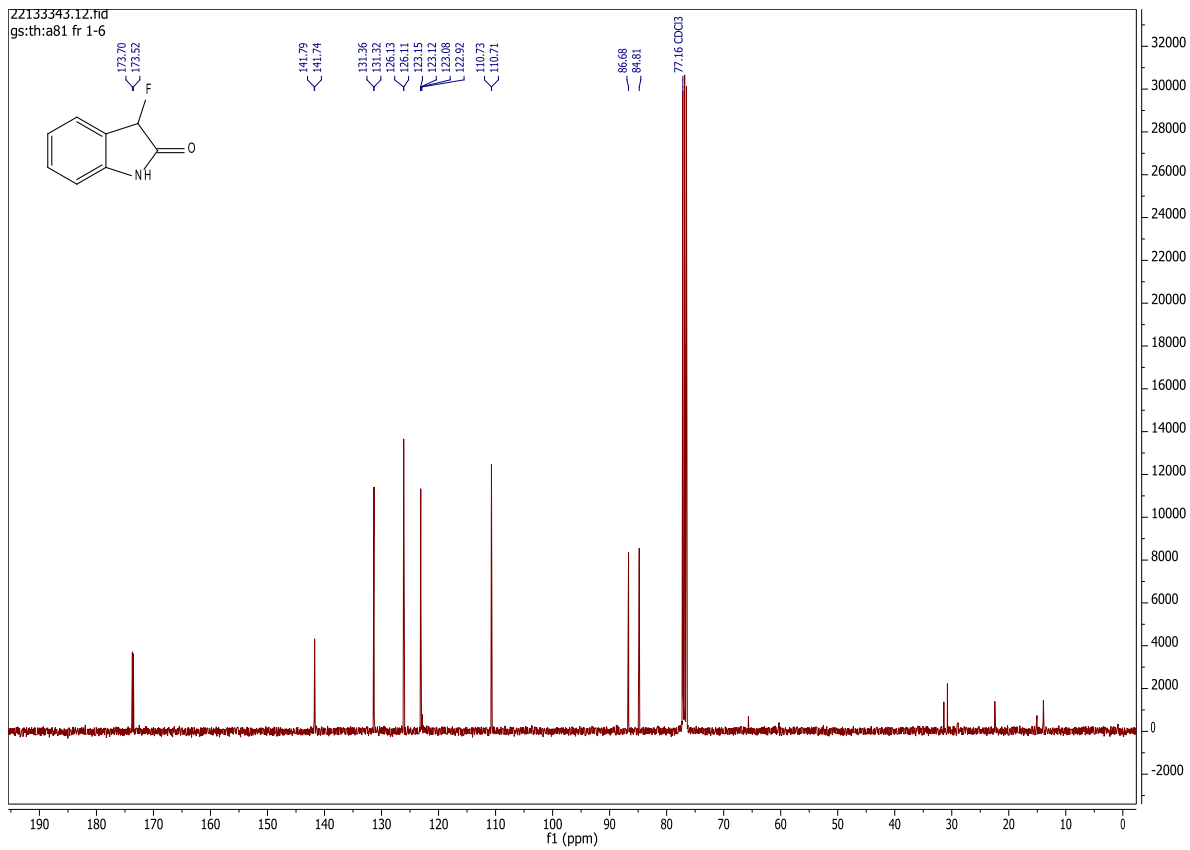
Methyl 2-fluoro-2-(2-nitro-5-methoxyphenyl)acetate (**6e**)



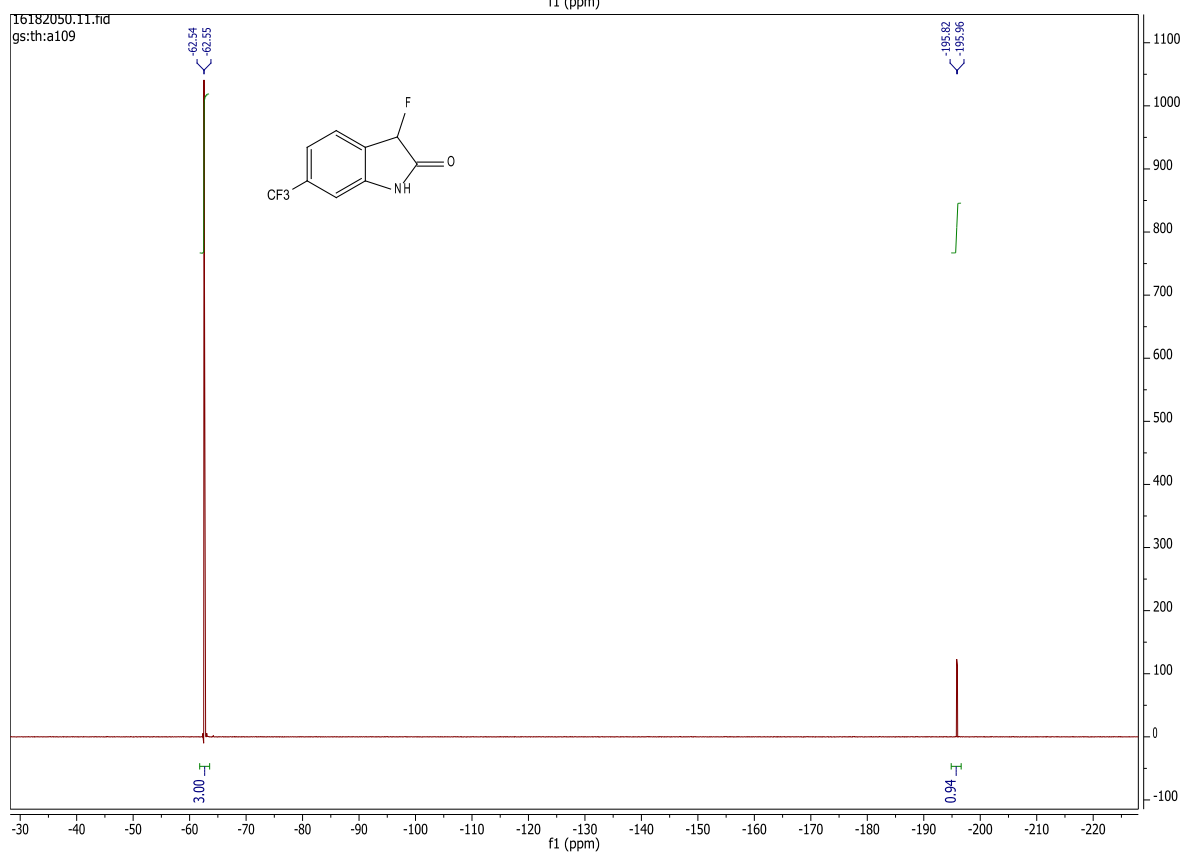
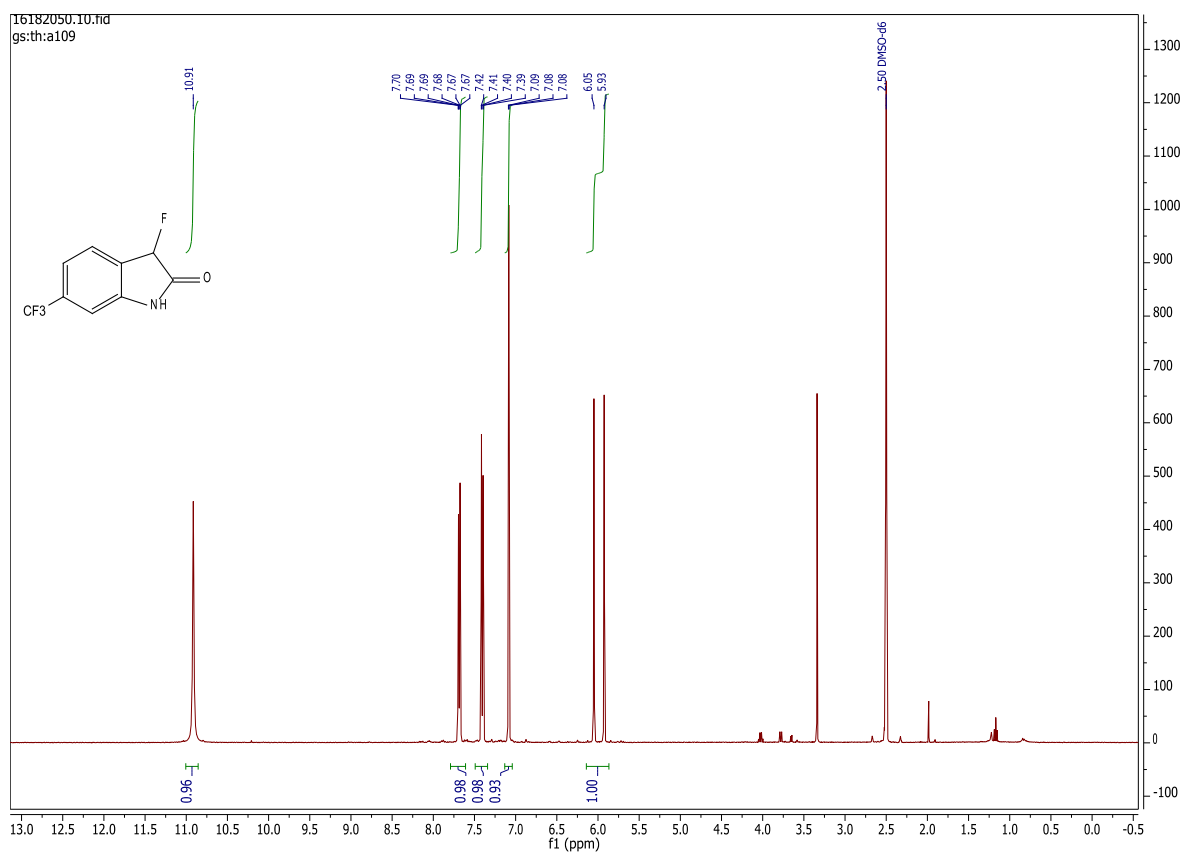


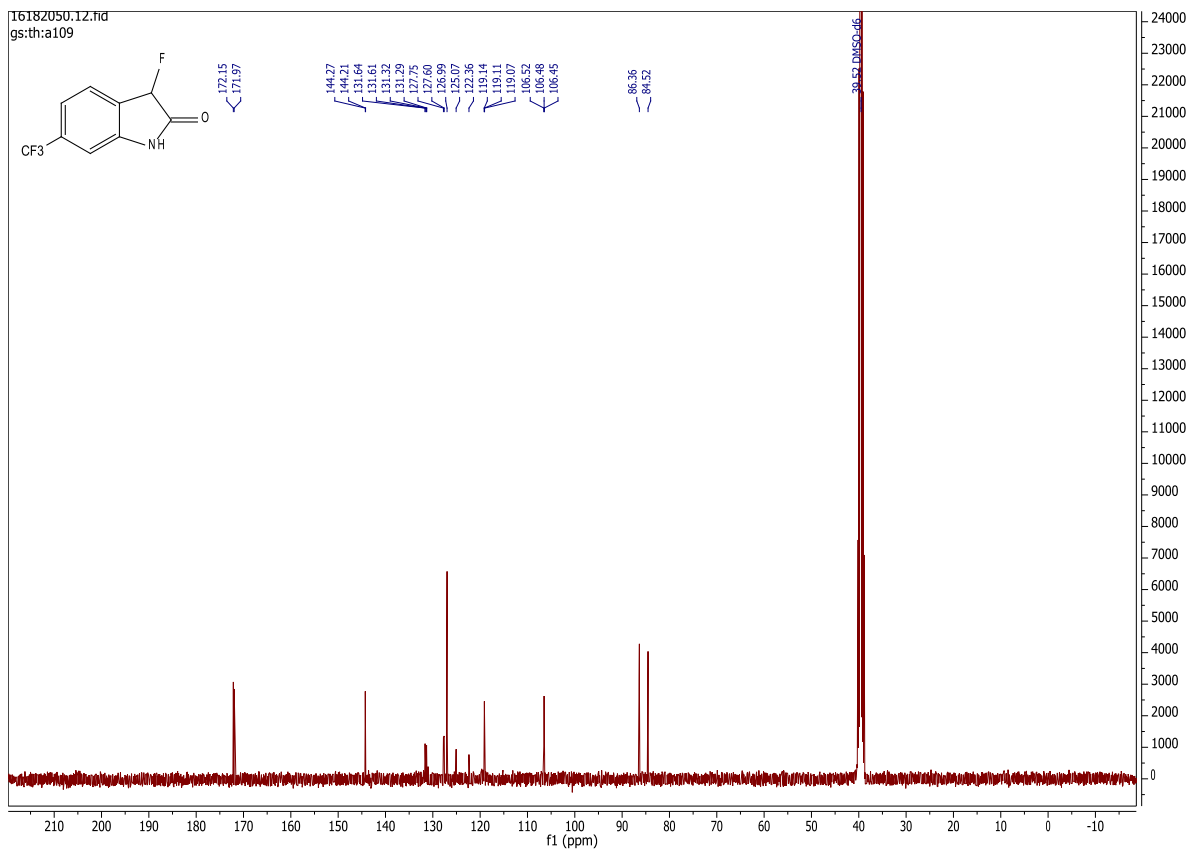
3-Fluorooxindole (**8a**)



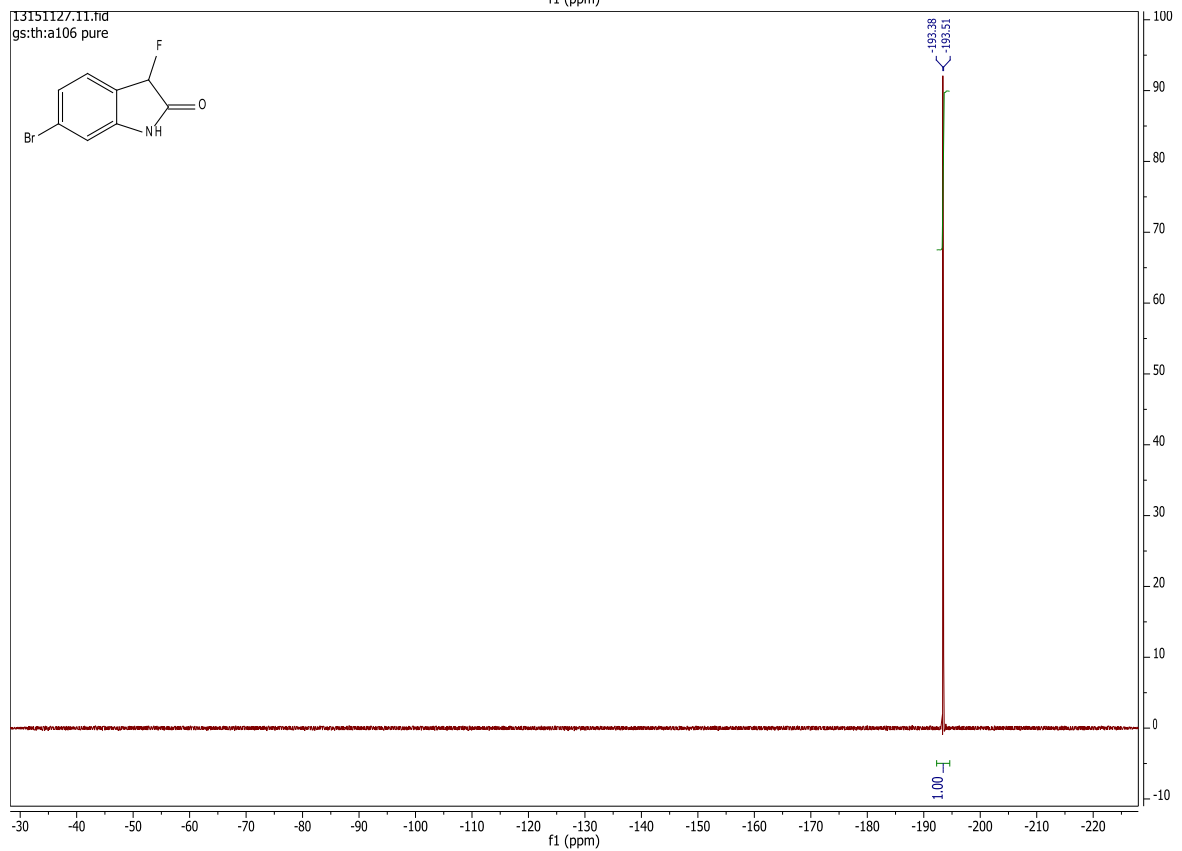
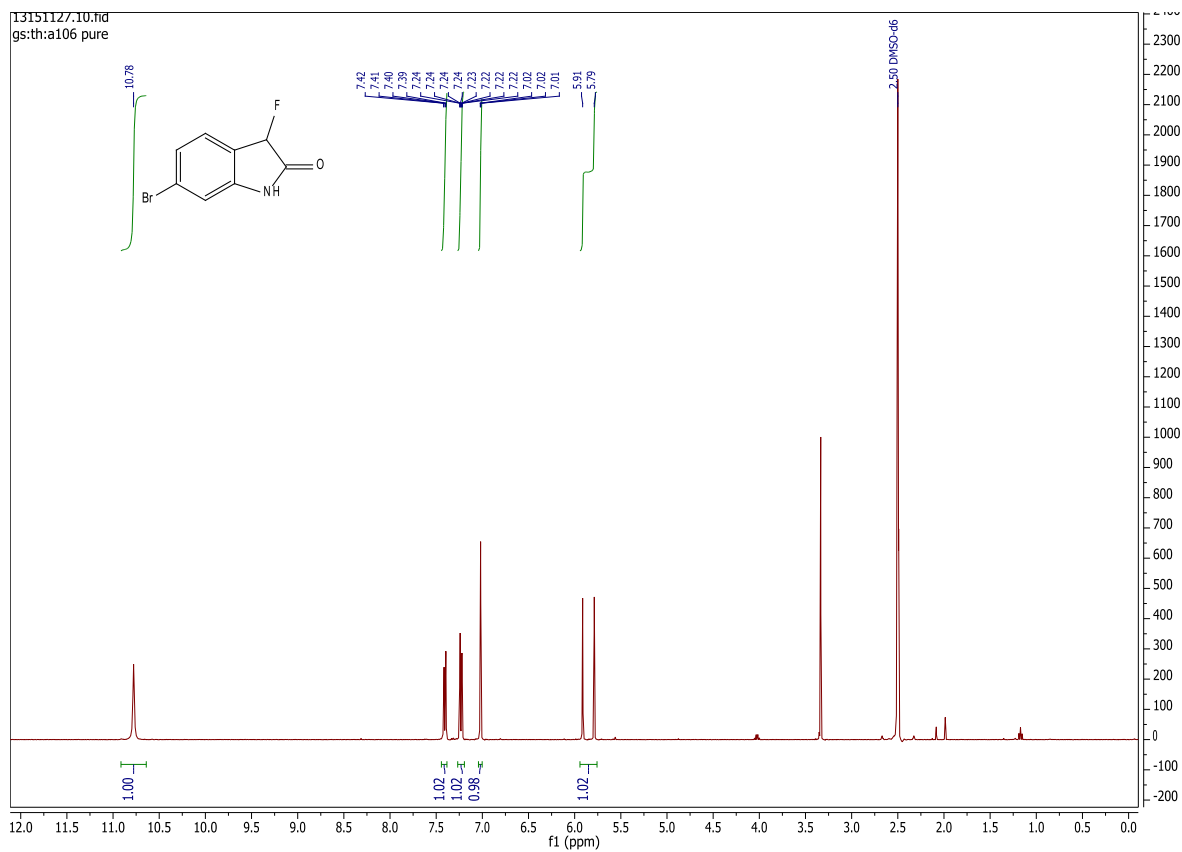


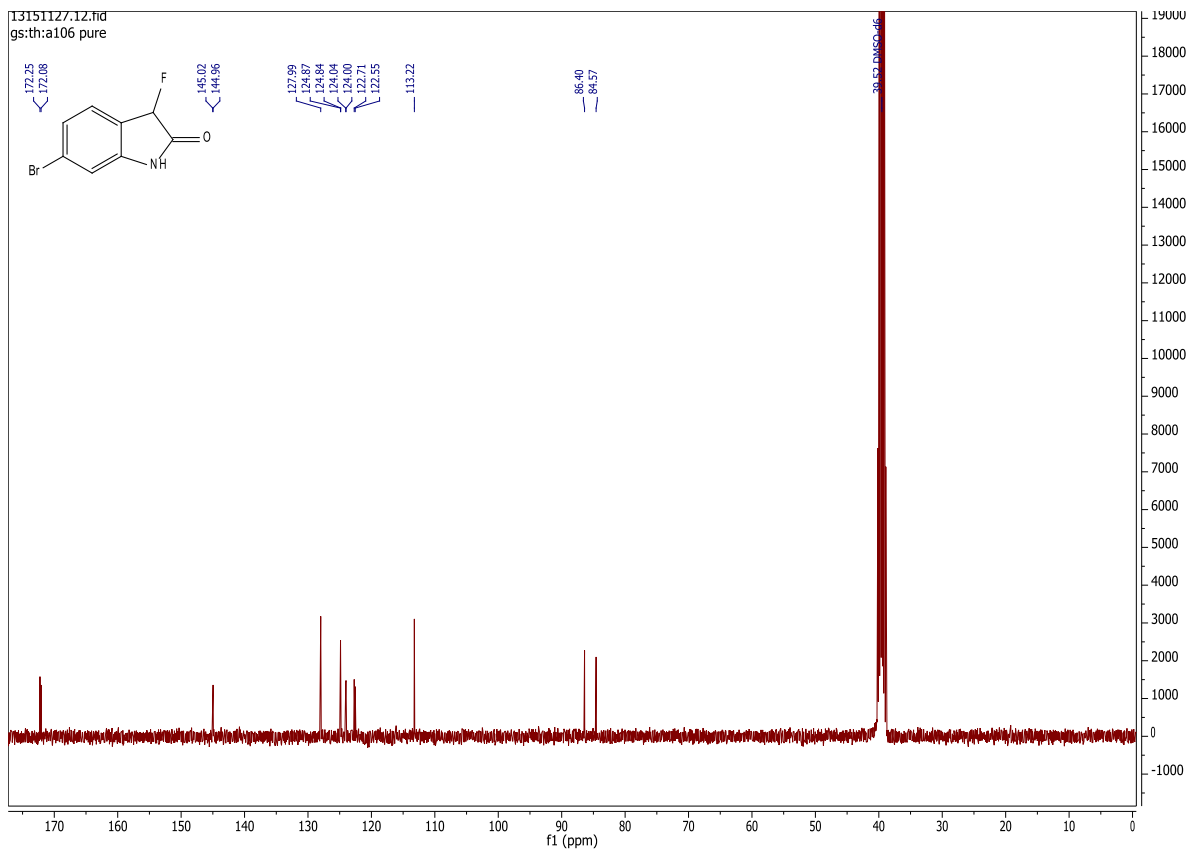
3-Fluoro-6-(trifluoromethyl)indole (**8b**)



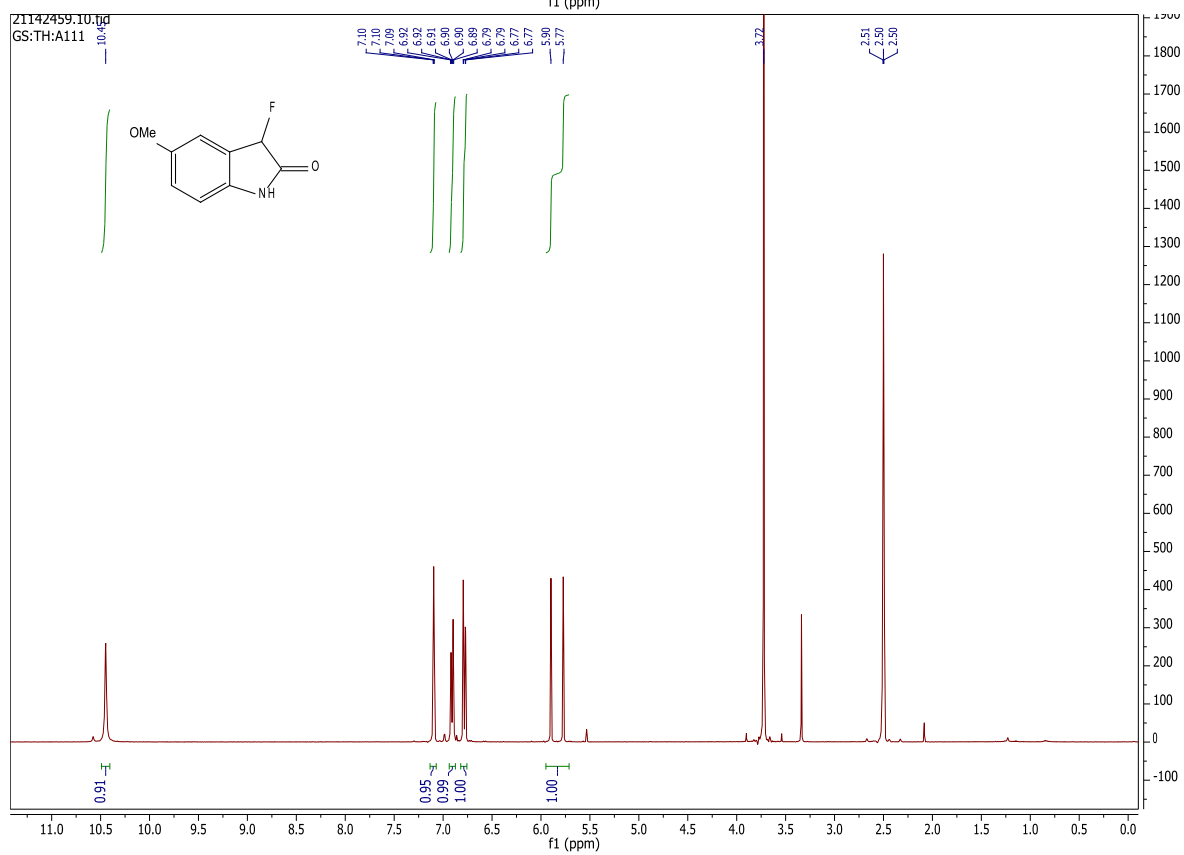
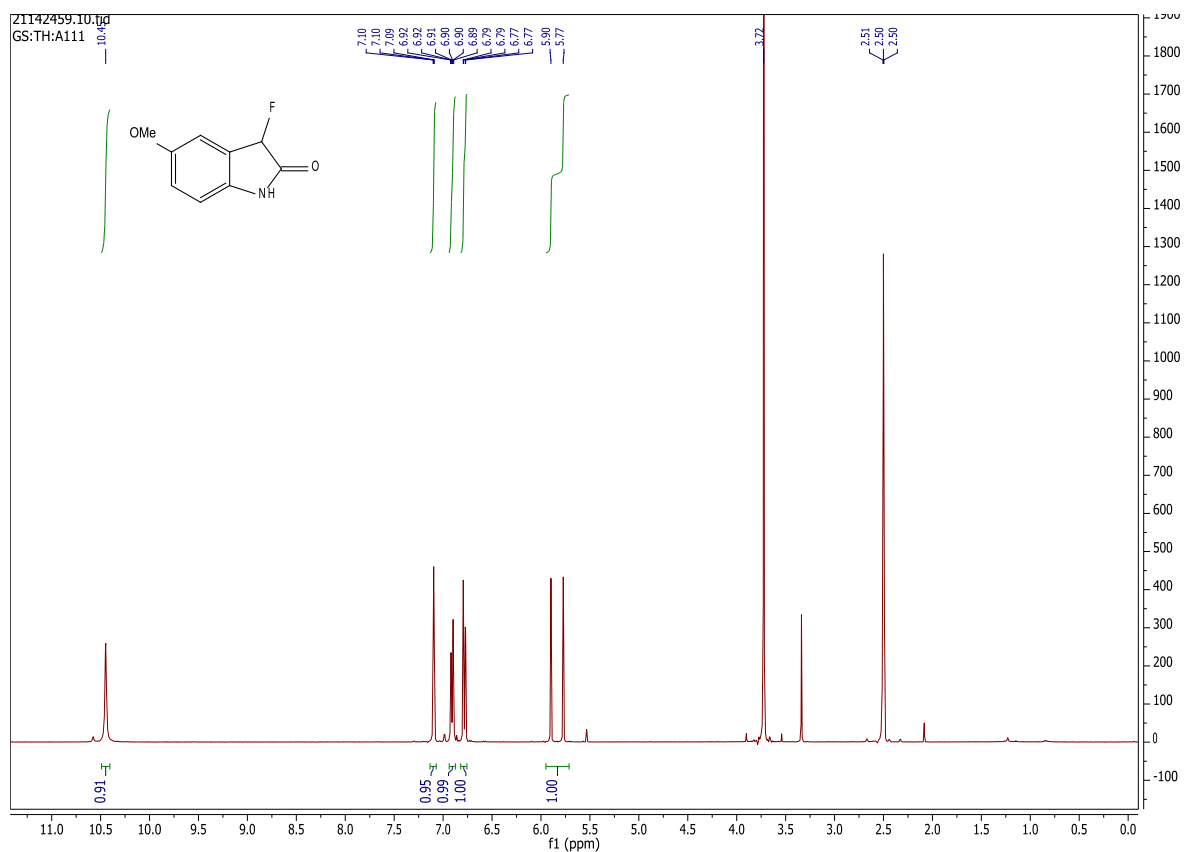


3-Fluoro-6-bromooxindole (8c)

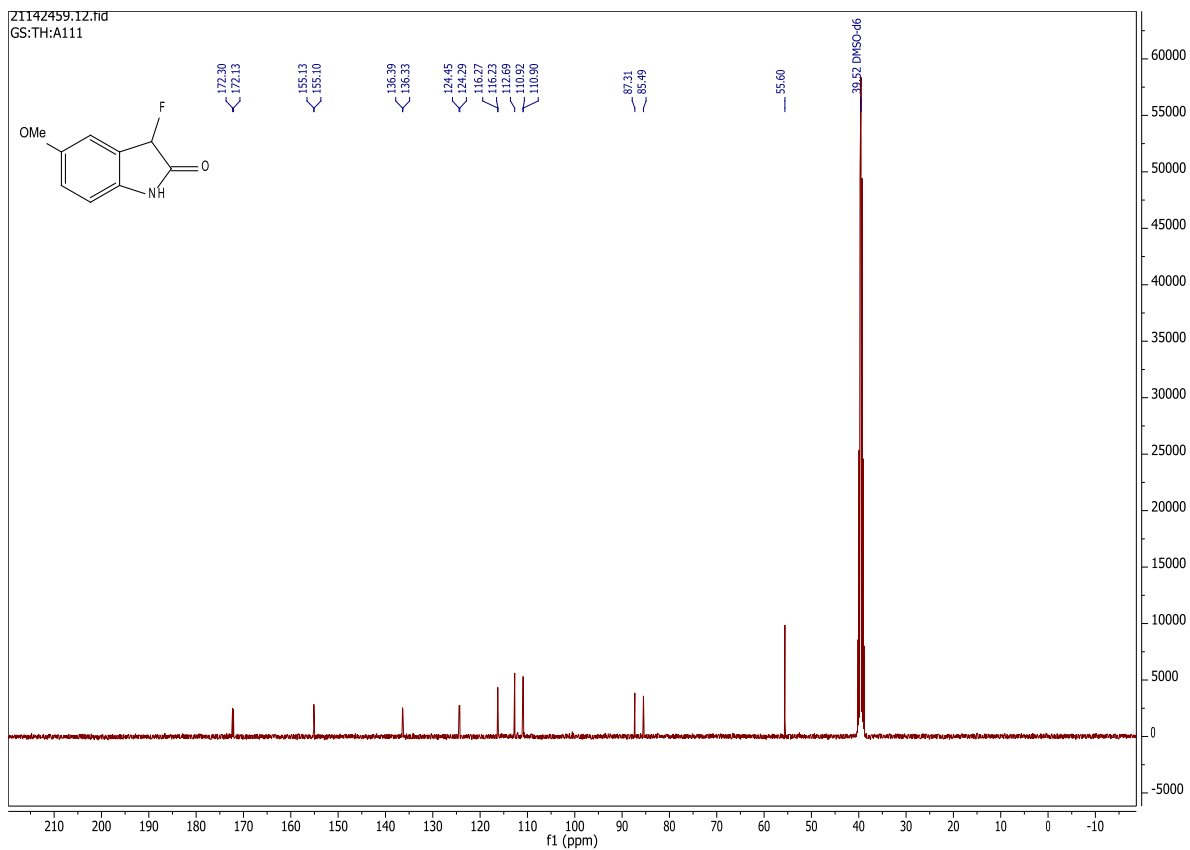
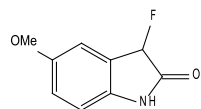




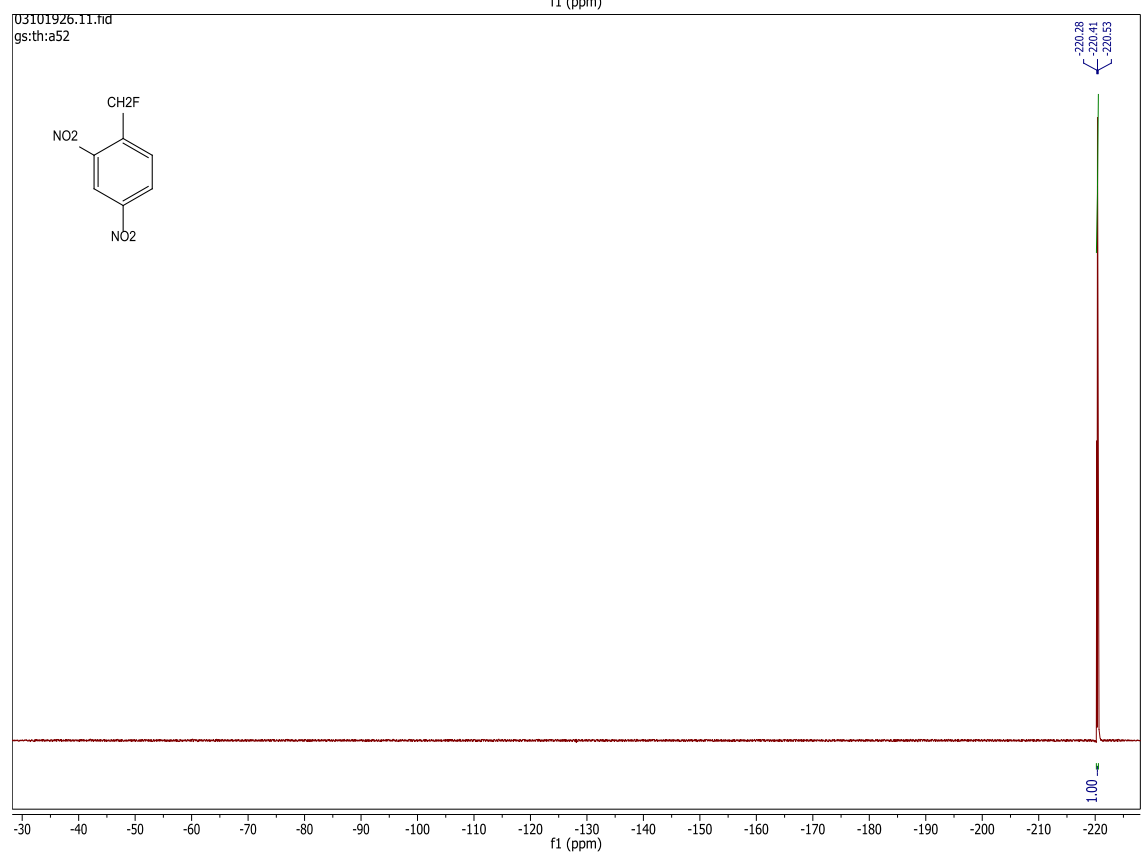
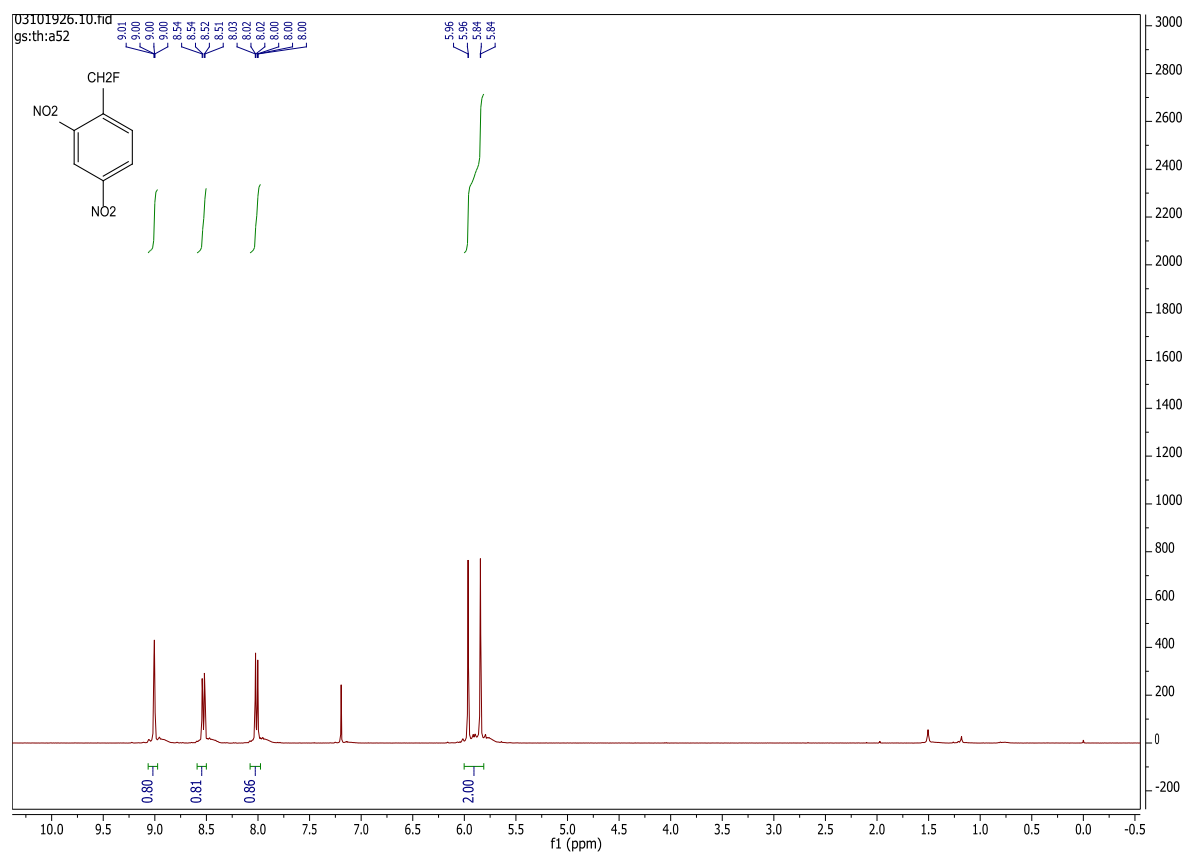
3-Fluoro-5-methoxyoxindole (**8e**)

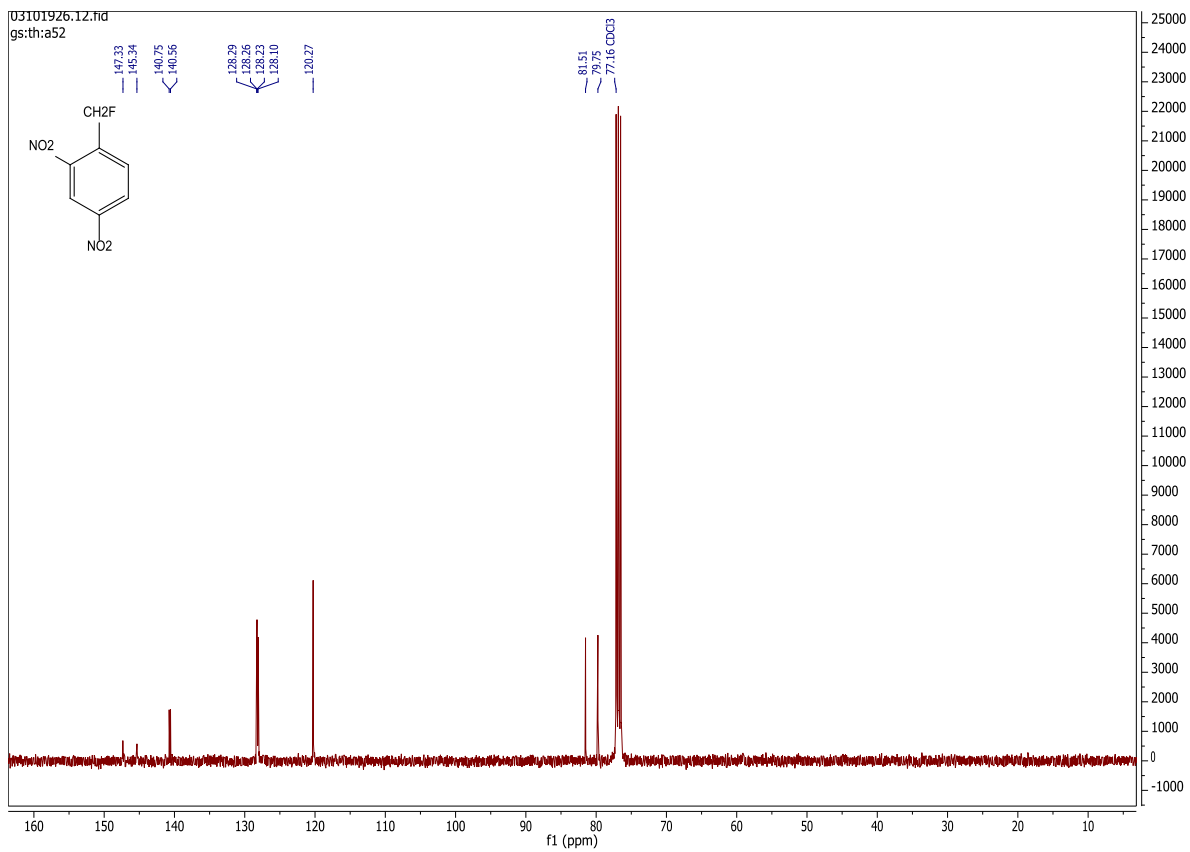


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2,4-Dinitrobenzyl fluoride 5





2-Fluoromethyl-3-nitropyridine (7)

