

Synthesis, and biological evaluation of stilbene derivatives coupled to NO donors as potential antidiabetic agents

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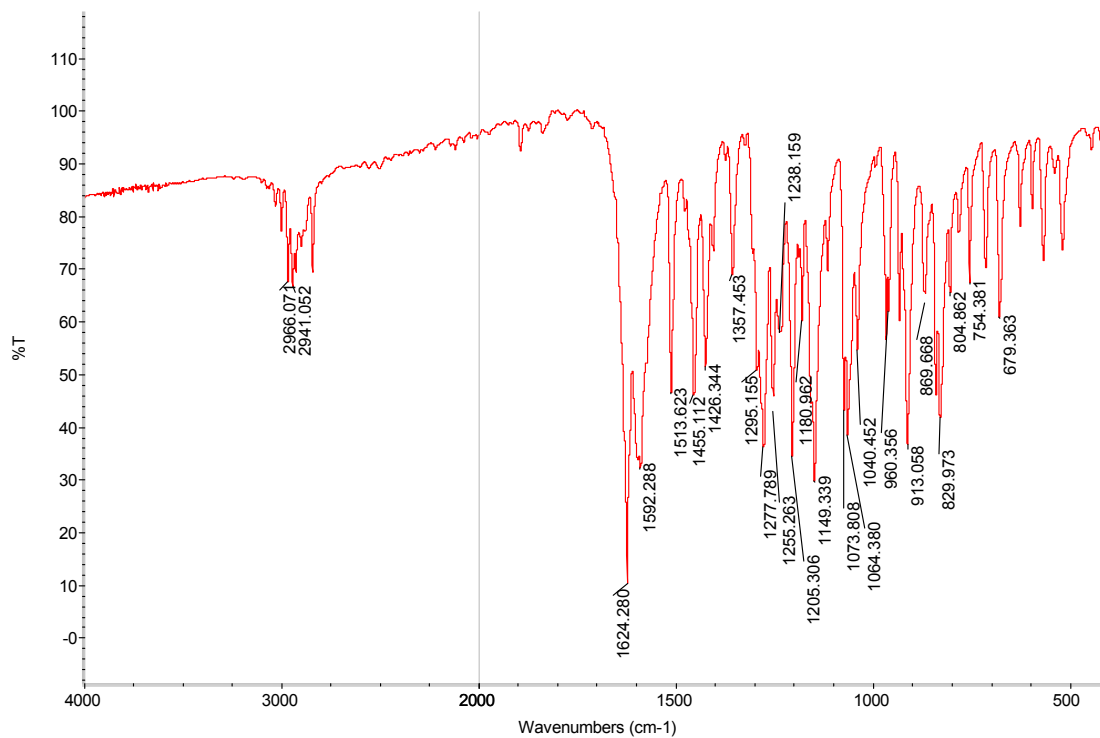
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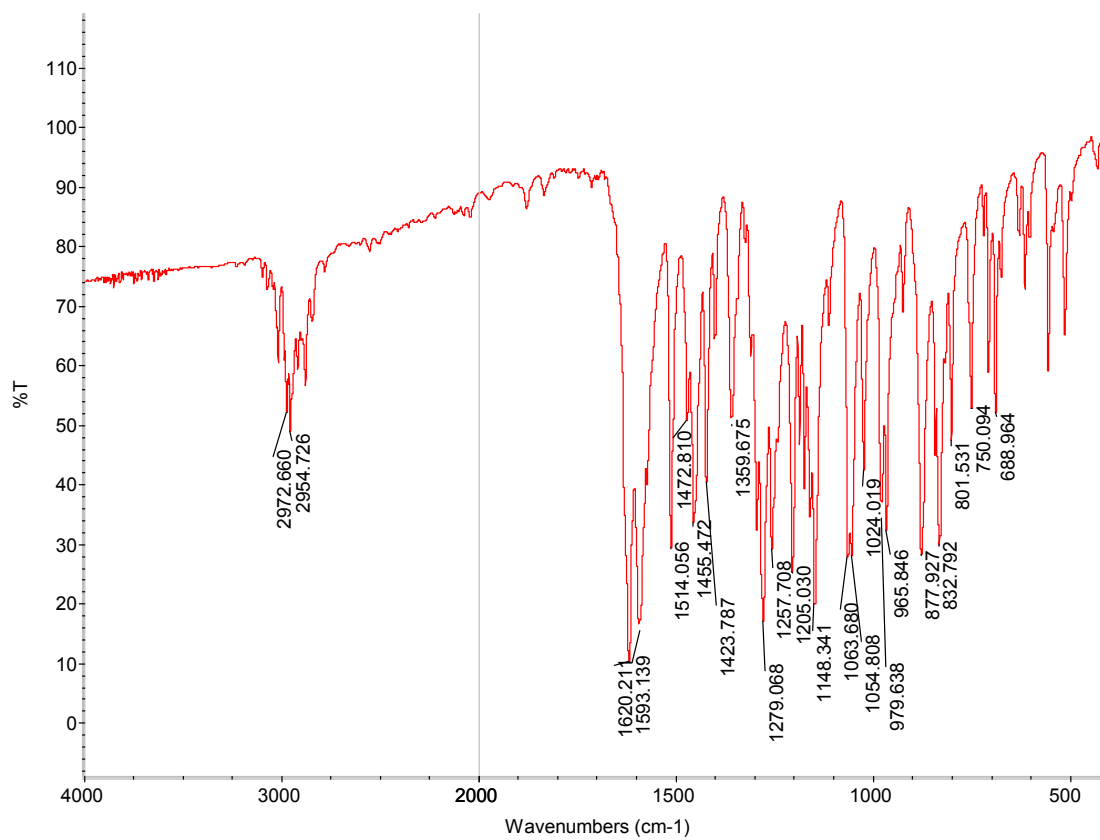
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IR(KBr) of compounds 3a-7c

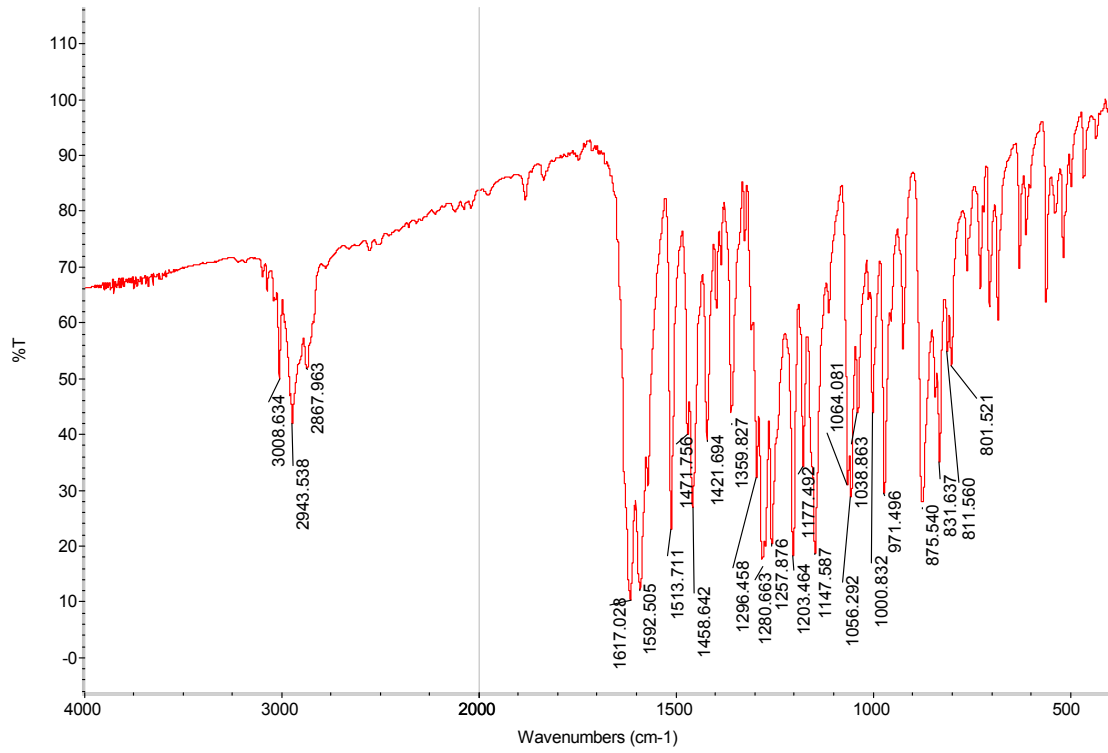
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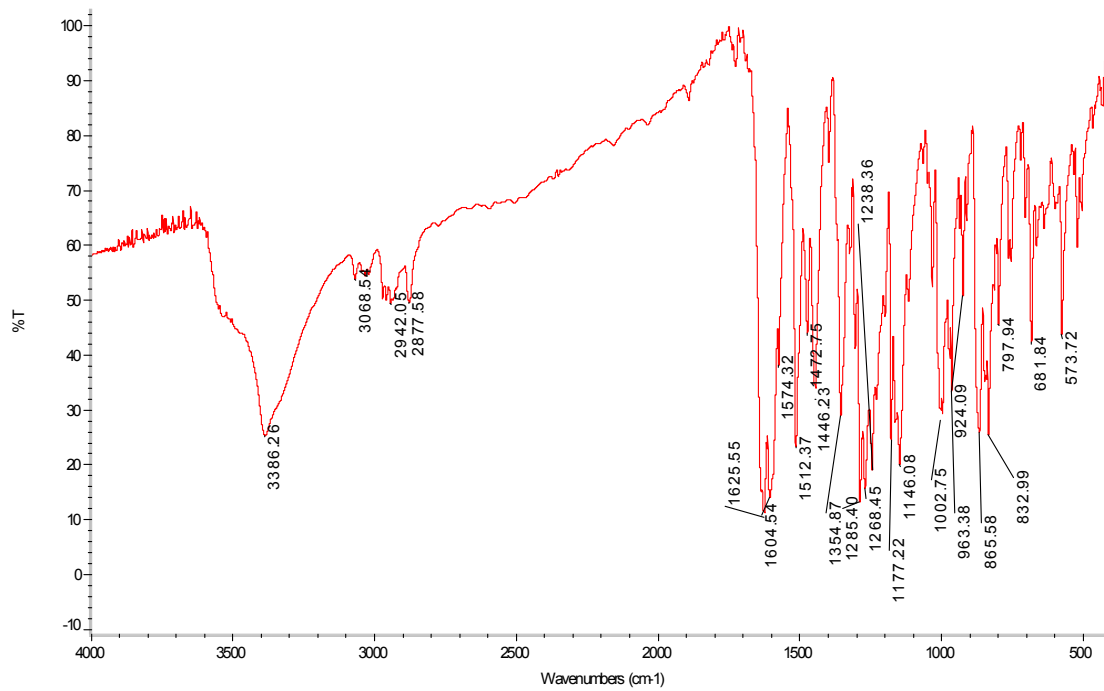
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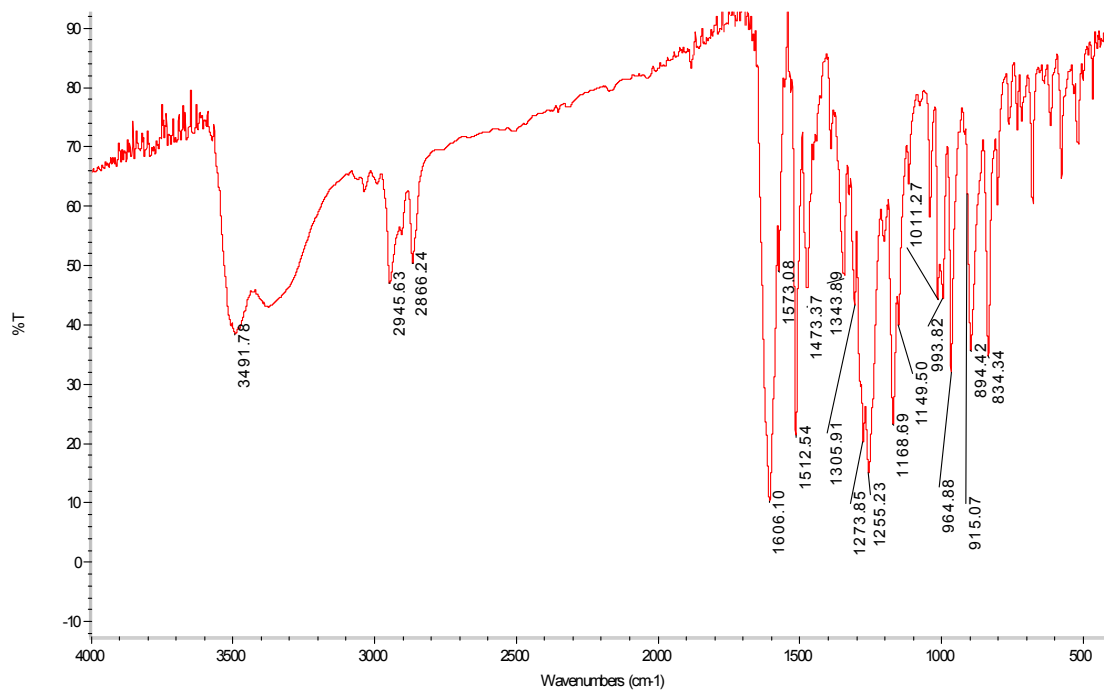
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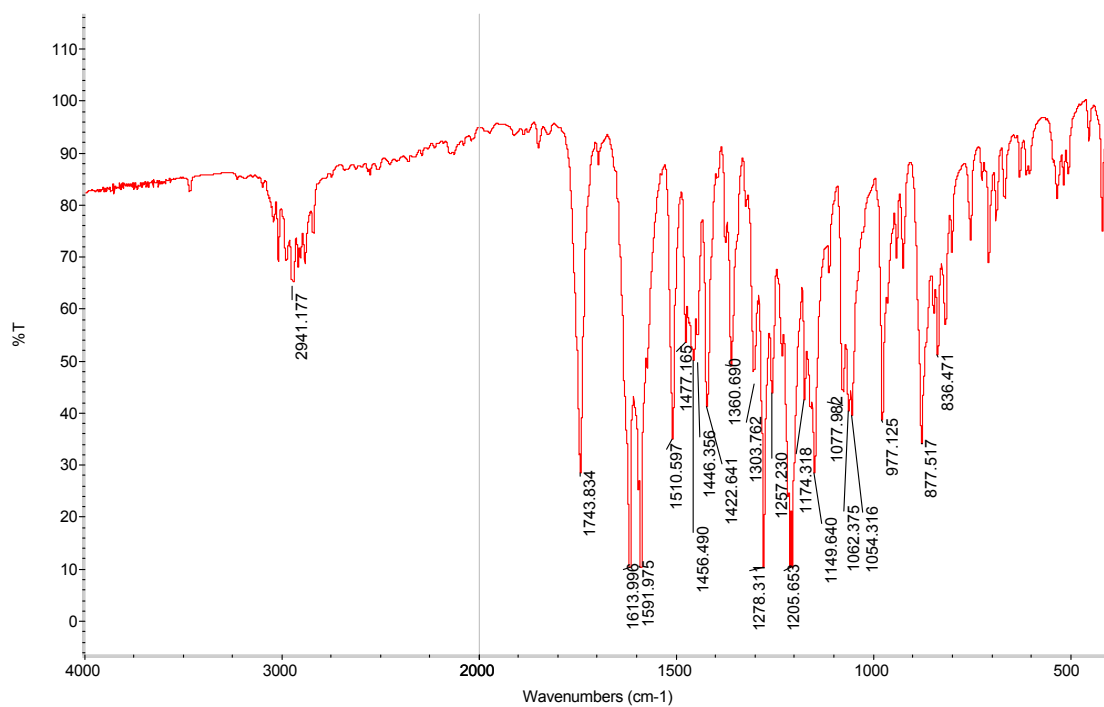
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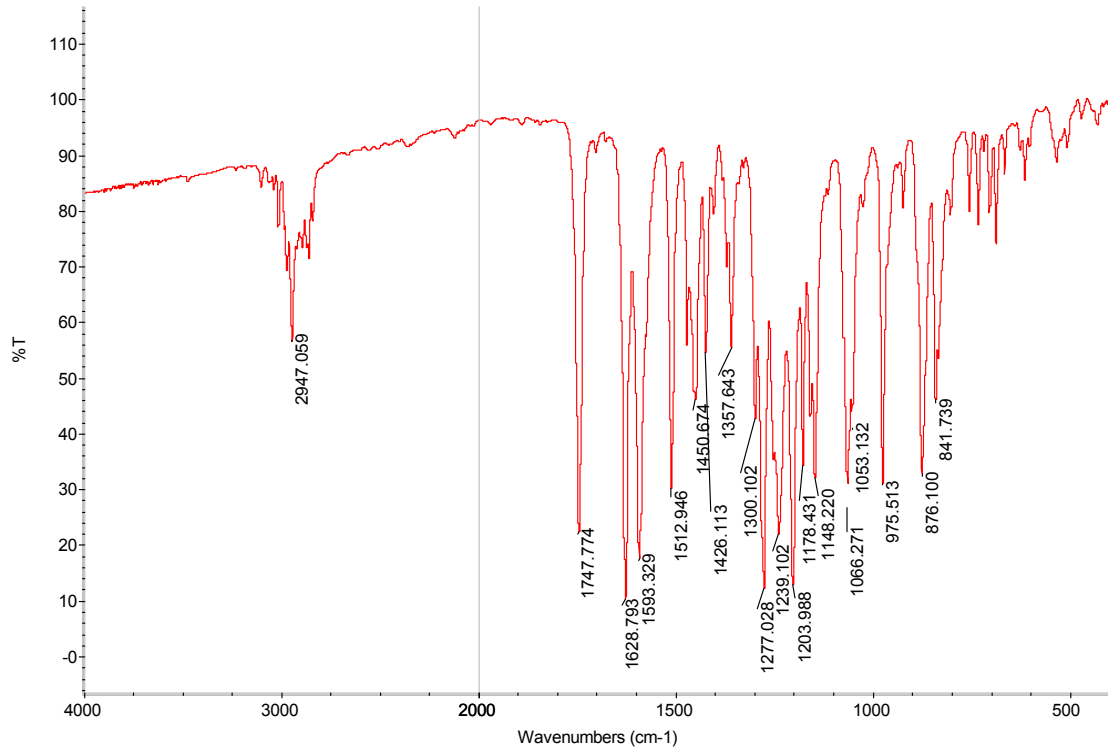
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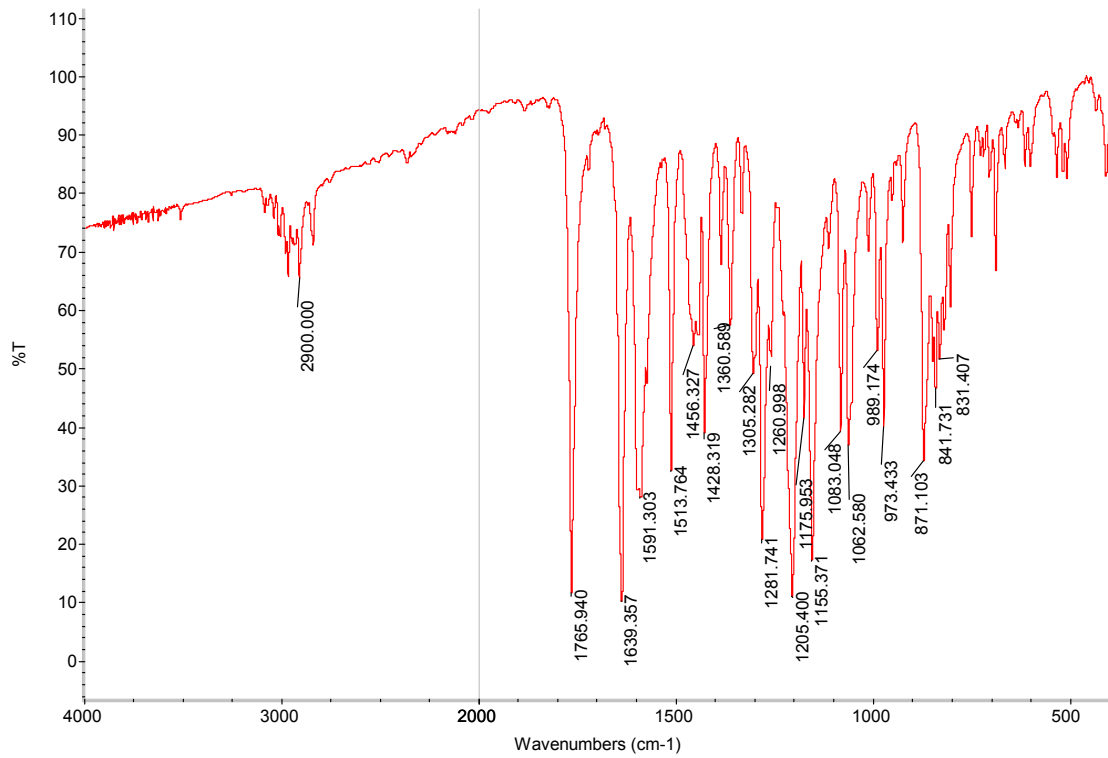
7a



7b



7c



HPLC spectra of compounds 3a-7c

Specify methods used: Instrument: Agilent 1100;

Column: Agilent SB-C18, 30 x 2.1 mm, 3.5 μ m;

Detector: DAD detector, 254 nm;

Flow rate: 1 ml / min

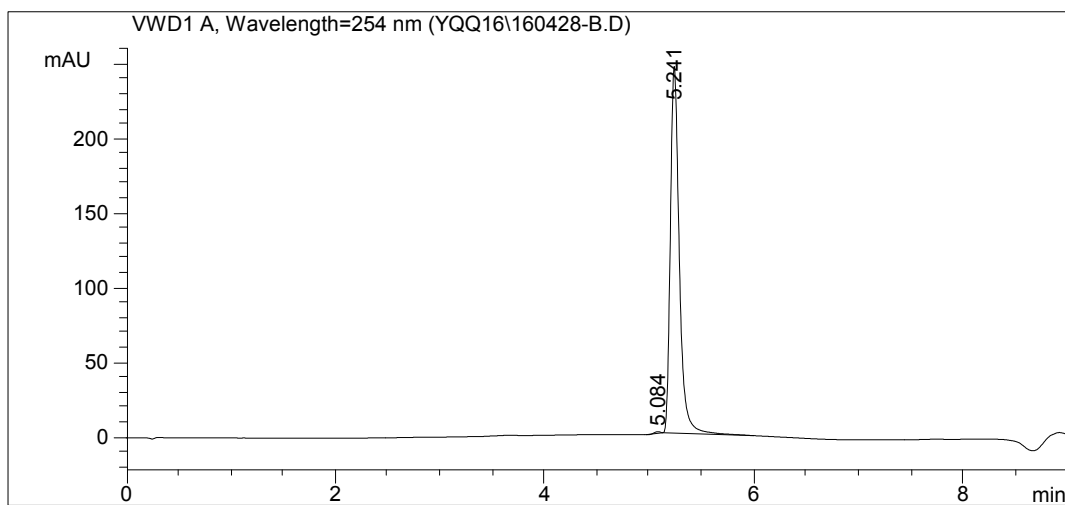
Mobile phase: methanol: water (0.1% glacial acetic acid); gradient elution

Injection volume: 5 μ l

Temperature: 25 $^{\circ}$ C

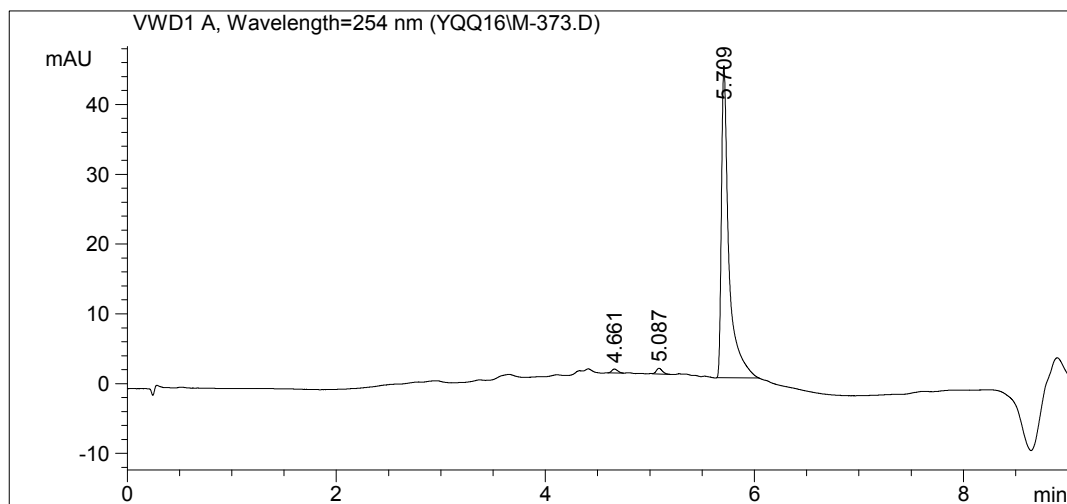
Spectra without purity table means that the purity is close to 100%.

3a



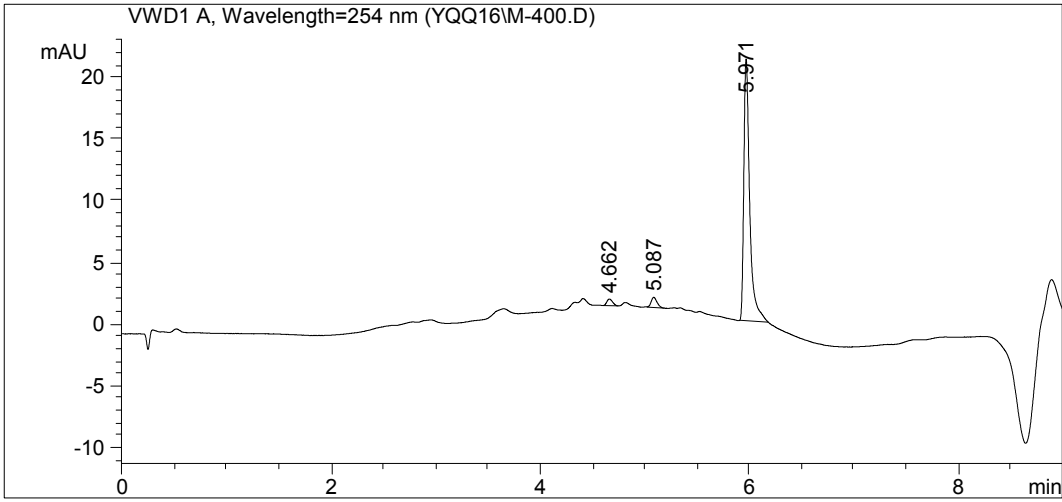
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	5.084	1.126	3.856	0.262
2	5.241	245.901	1464.061	99.737

3b



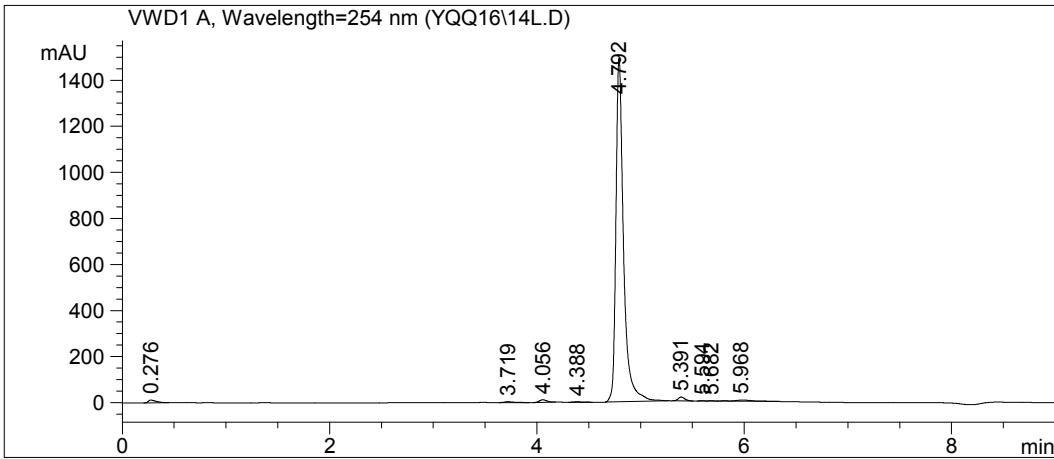
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	4.661	0.570	2.222	0.973
2	5.087	0.830	3.364	1.472
3	5.709	44.707	222.807	97.554

3c



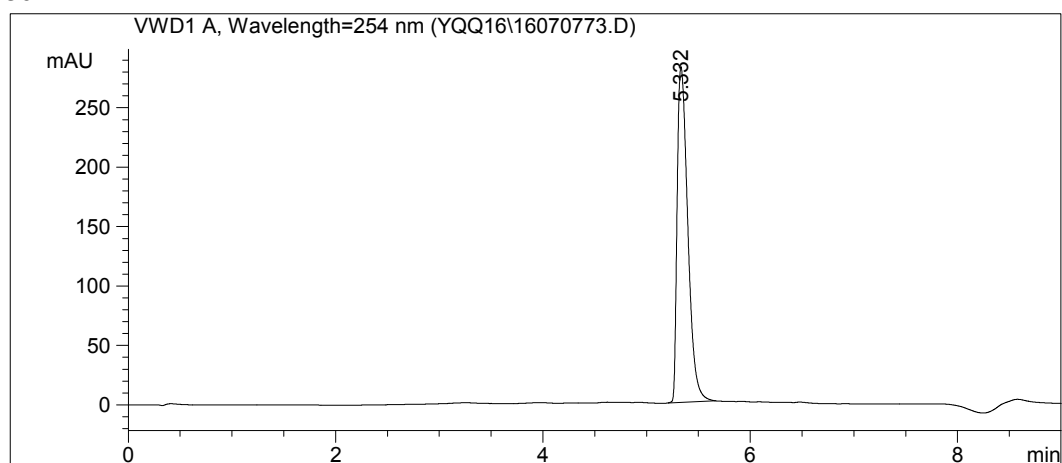
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	4.662	0.570	2.222	0.973
2	5.087	0.830	3.364	1.472
3	5.971	44.707	222.807	97.554

3d



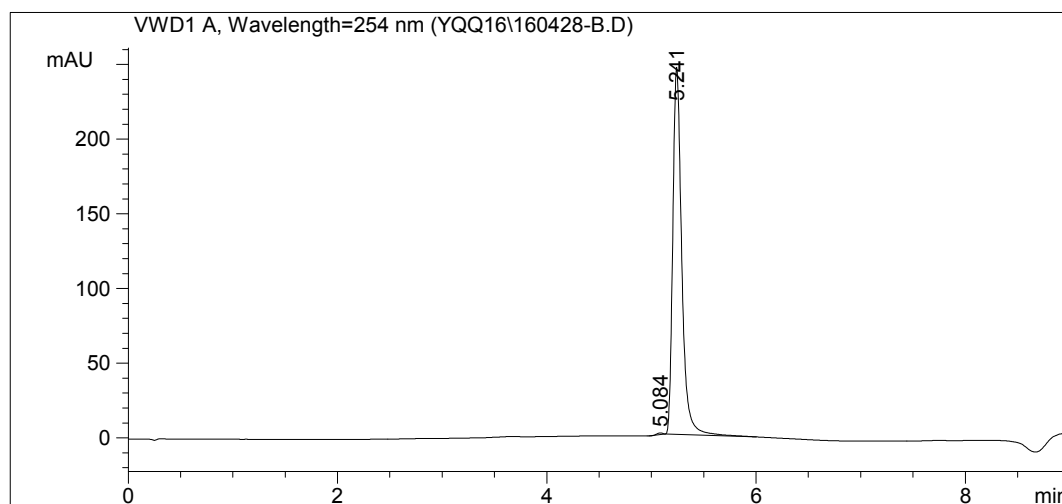
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	0.276	12.486	63.275	0.794
2	3.719	3.917	25.006	0.313
3	4.056	11.271	56.760	0.712
4	4.388	2.031	11.980	0.150
5	4.792	1492.323	7663.139	96.196
6	5.391	16.904	73.912	0.927
7	5.594	0.744	1.940	0.024
8	5.682	1.145	3.323	0.041
9	5.968	4.525	66.782	0.838

3e



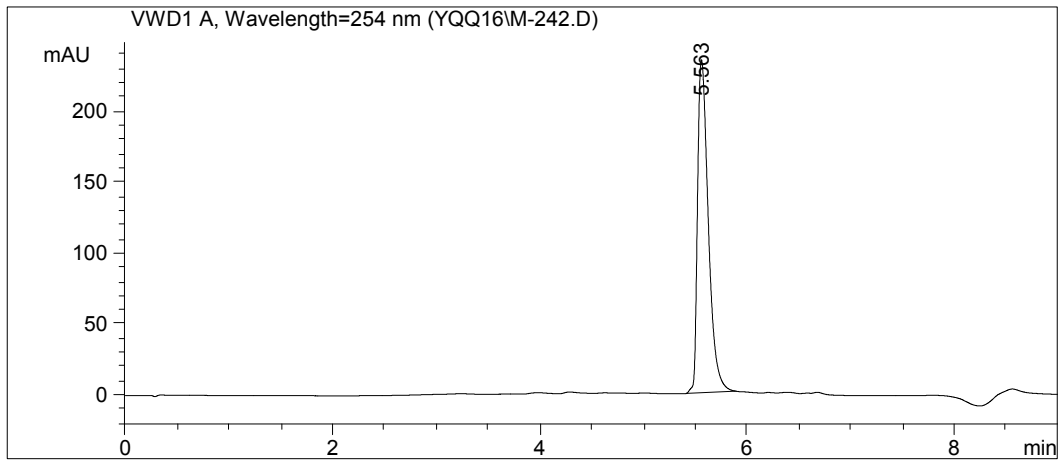
This means that the purity is close to 100%.

7a



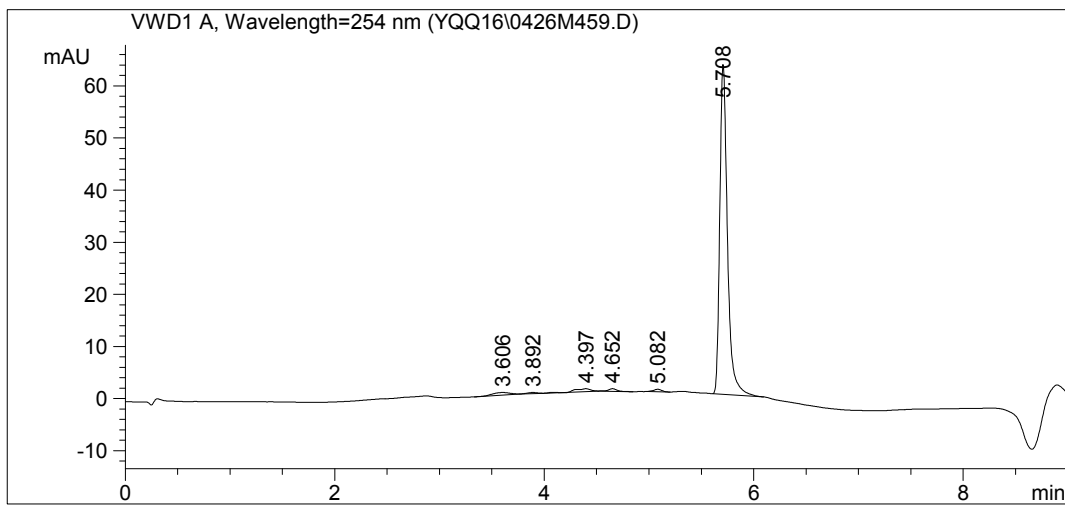
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	5.084	1.126	3.856	0.262
2	5.241	245.901	1464.061	99.737

7b



This means that the purity is close to 100%.

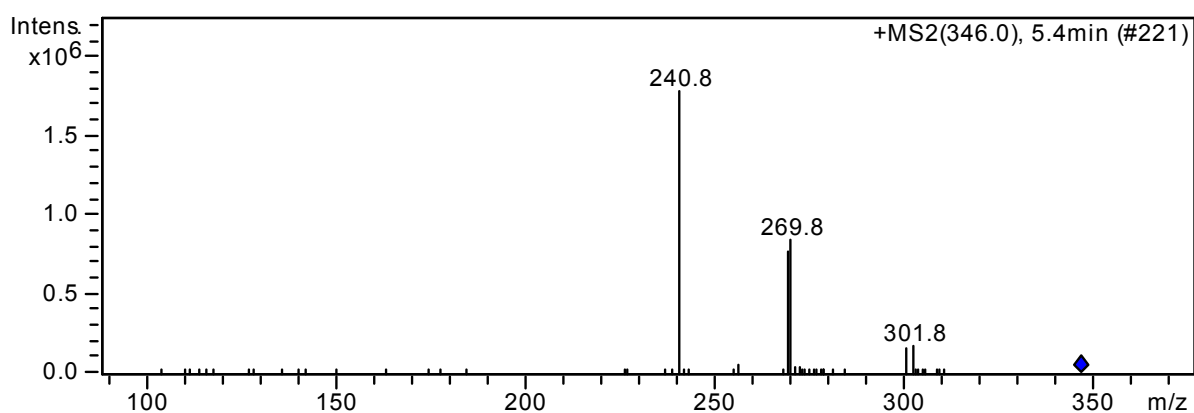
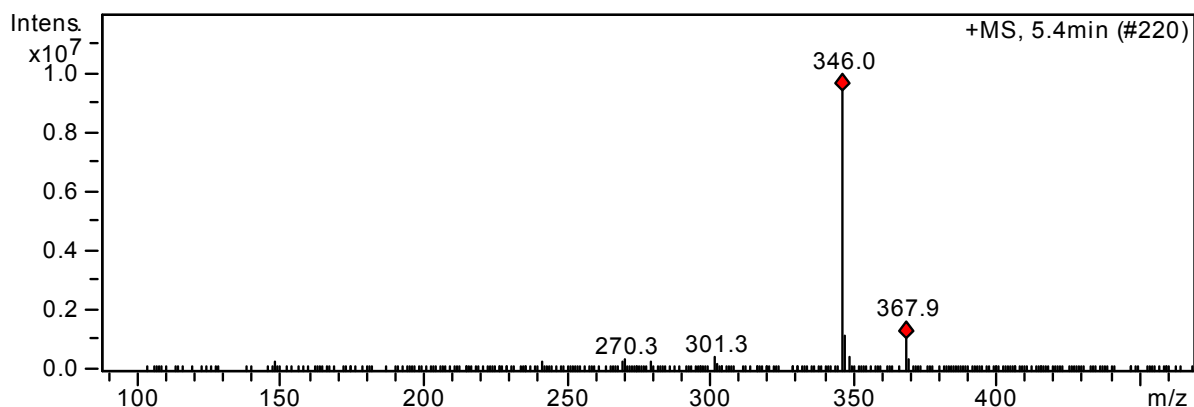
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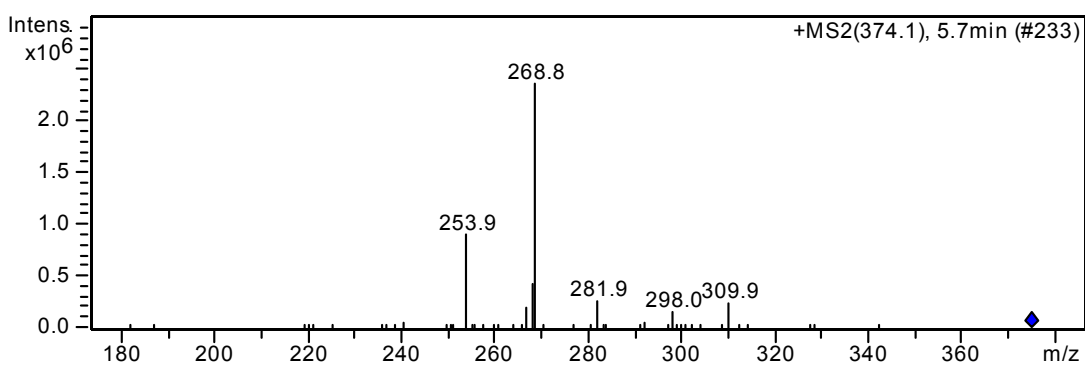
#	Meas. Ret. Time	Main Peak Height	Main Peak Area	Main Peak Area %
1	3.606	0.486	5.667	1.667
2	3.892	0.198	1.271	0.373
3	4.397	0.536	5.568	1.638
4	4.652	0.504	2.979	0.876
5	5.082	0.474	2.570	0.756
6	5.708	63.319	321.843	94.688

Mass spectrum of compounds 3a-7c

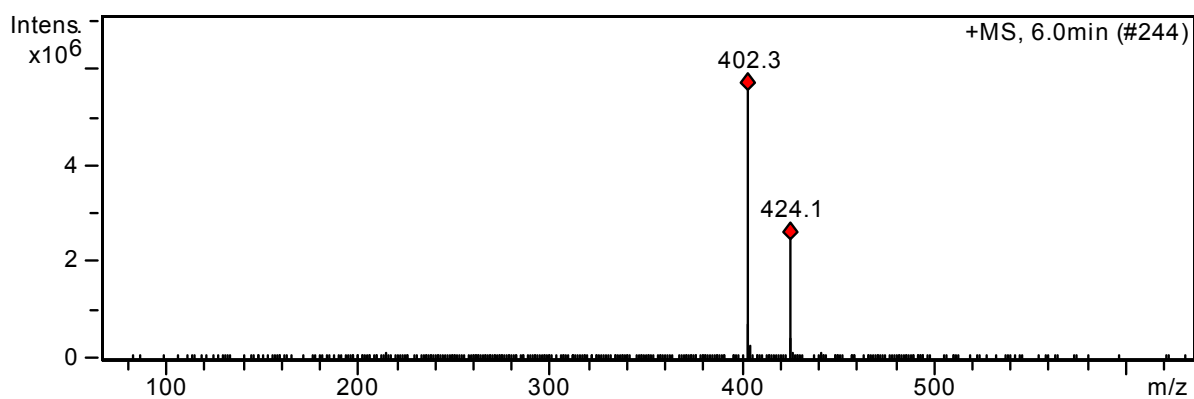
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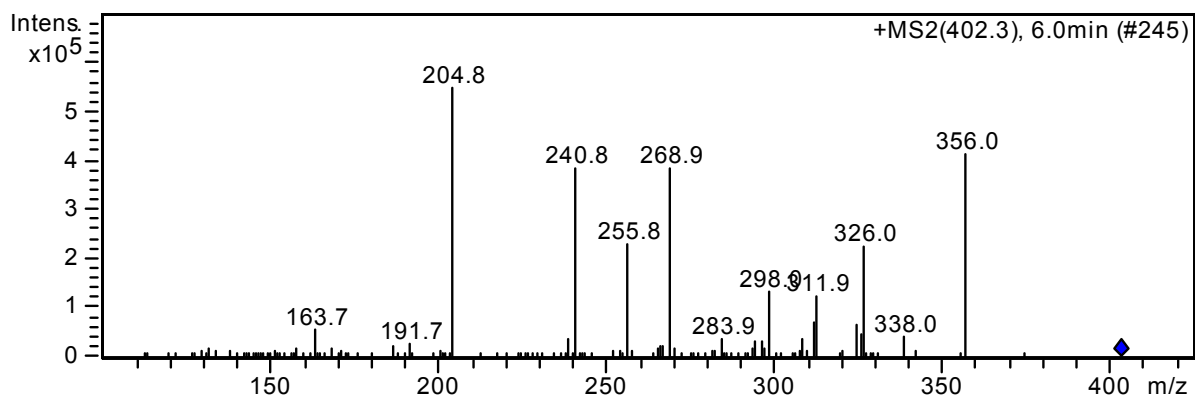


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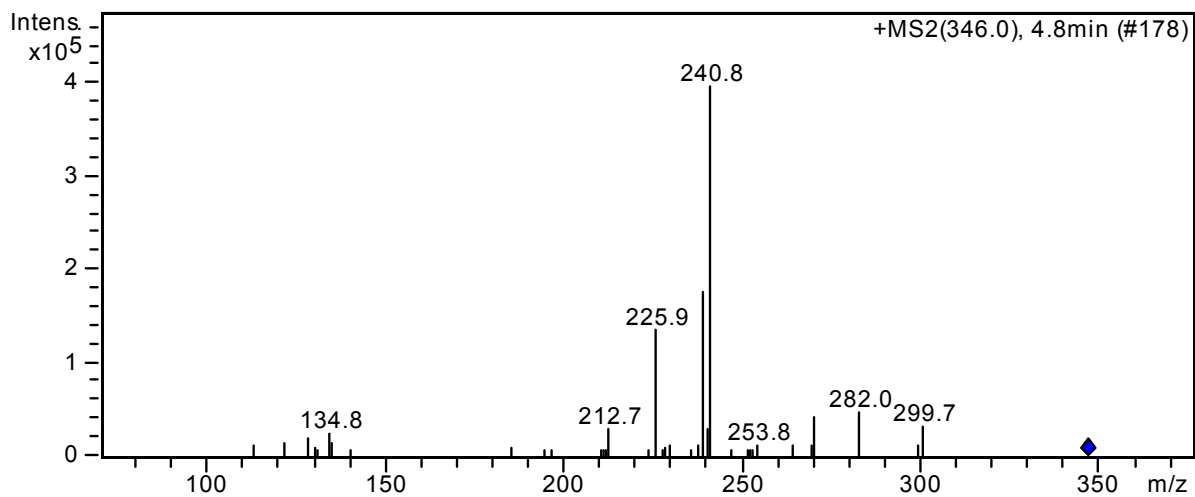
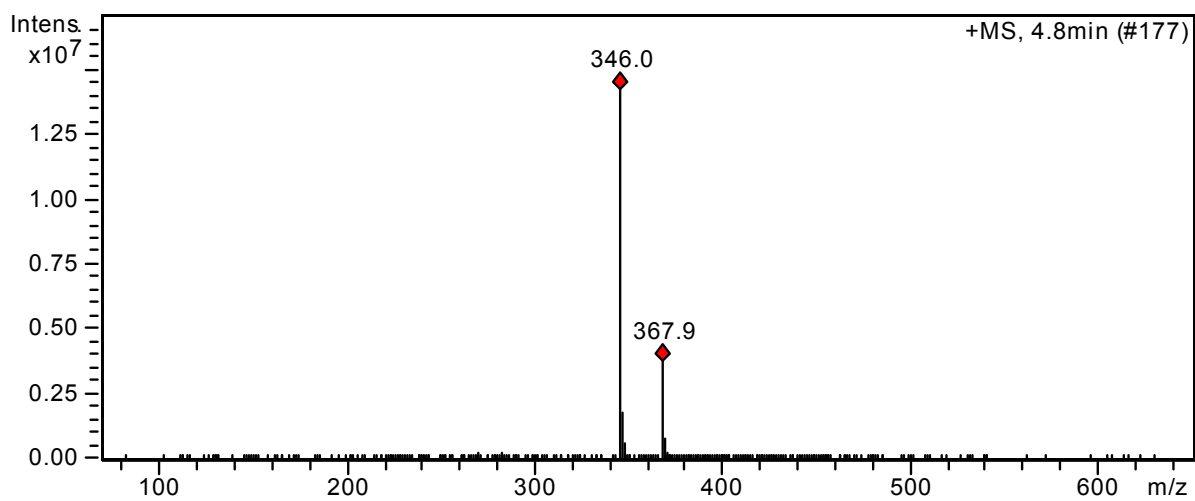


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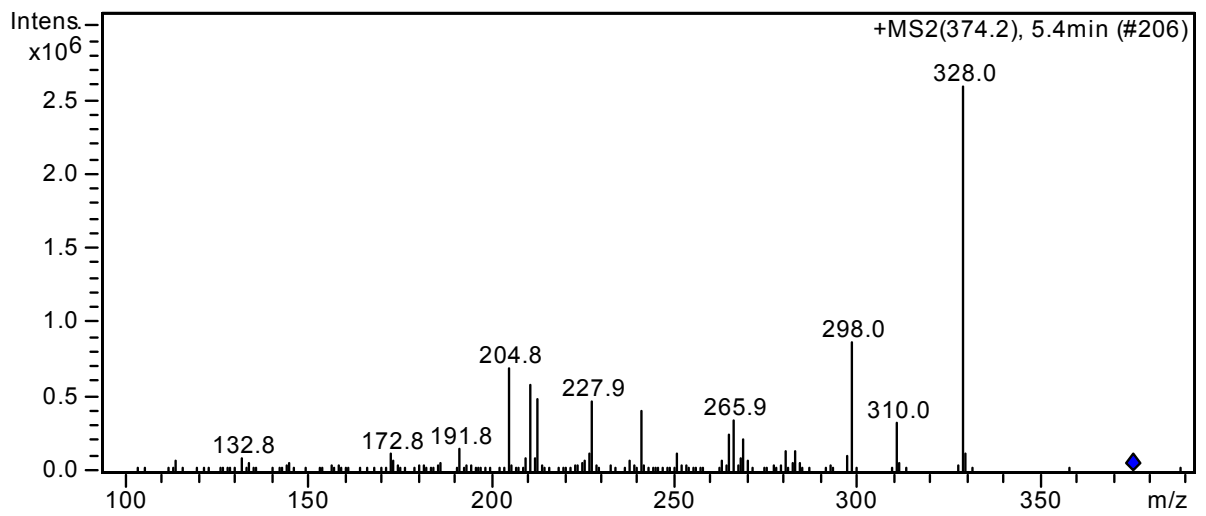
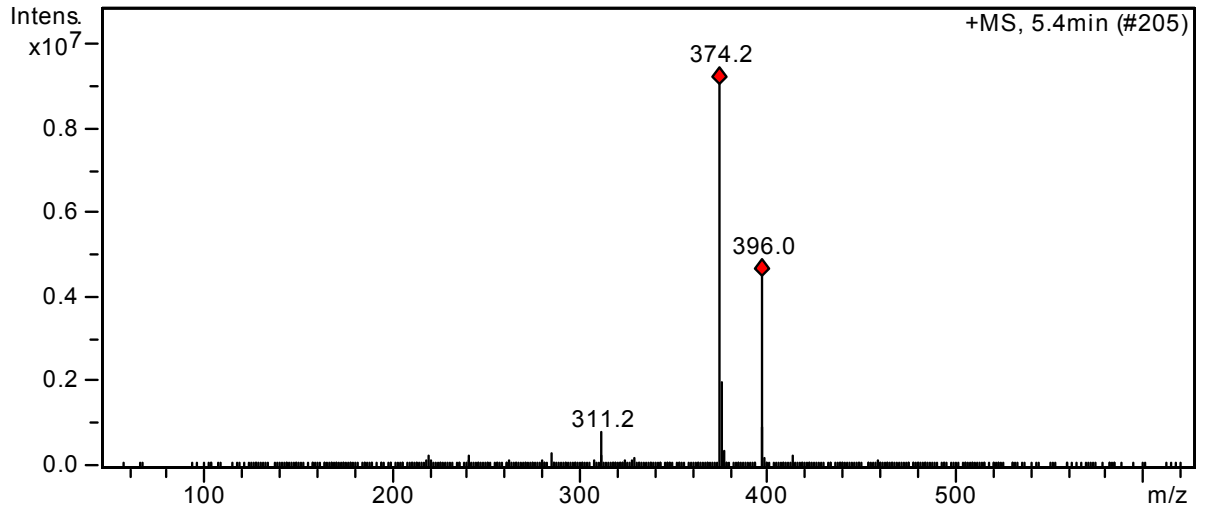




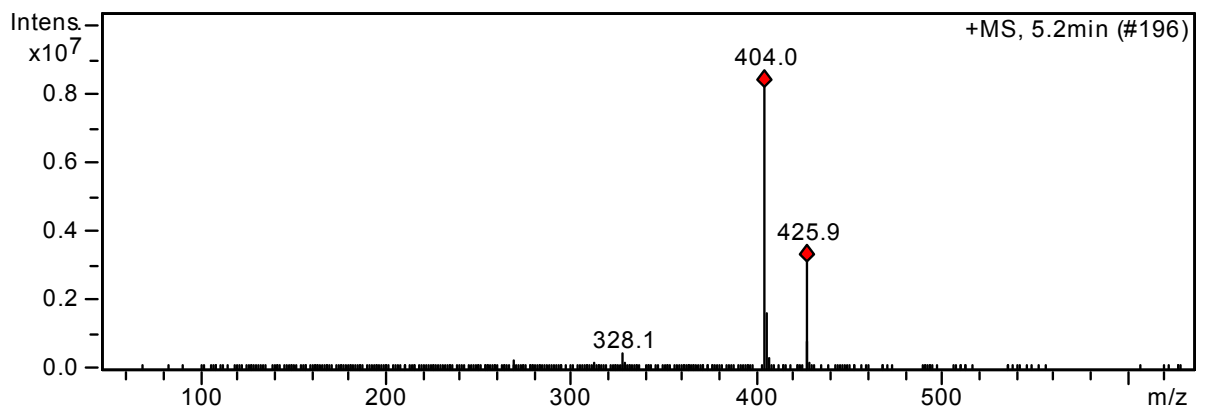
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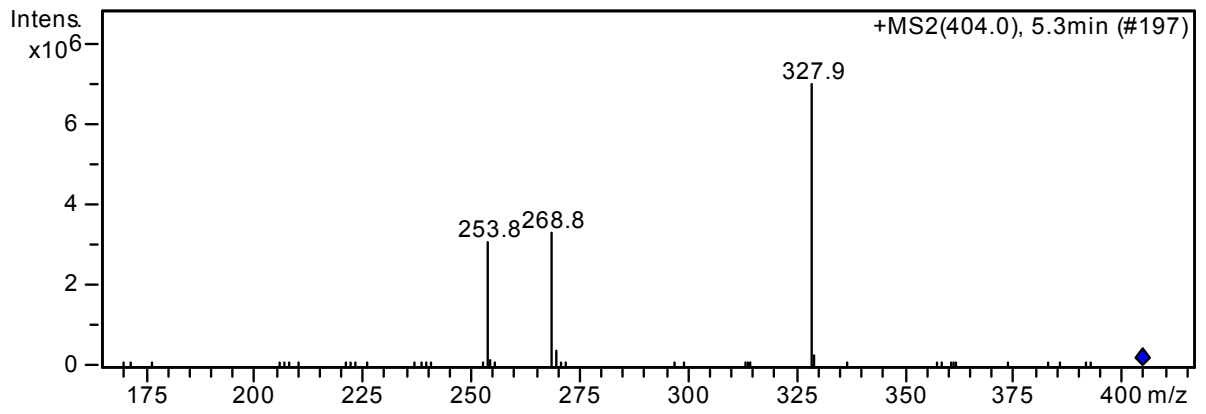


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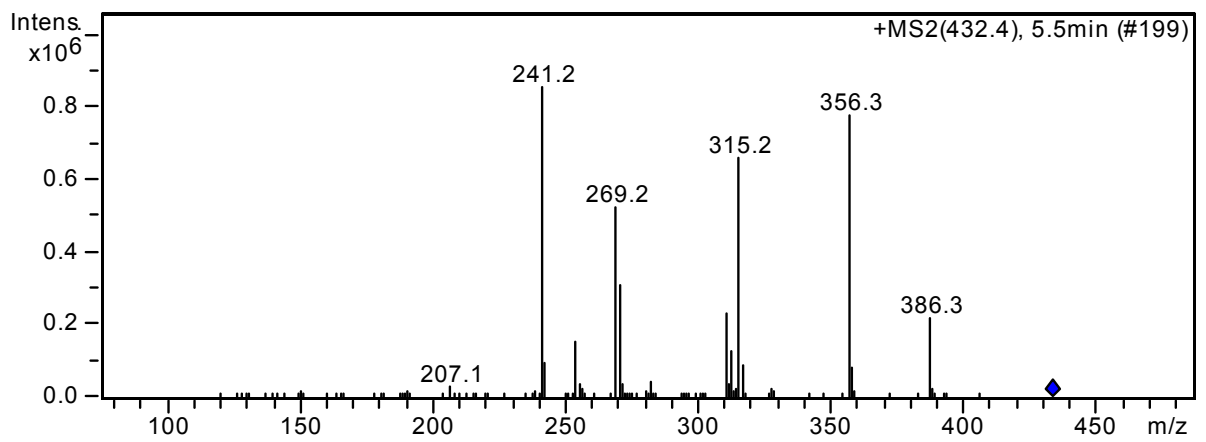
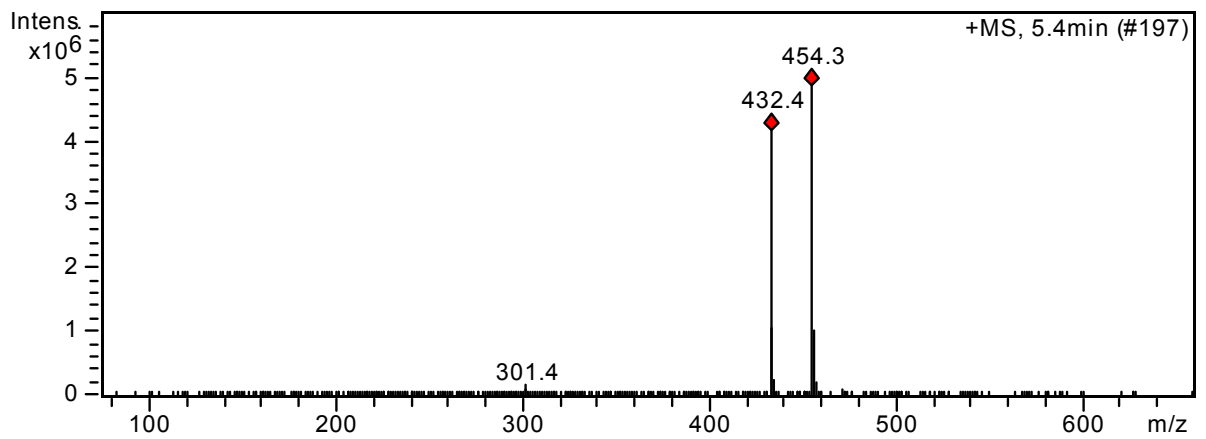


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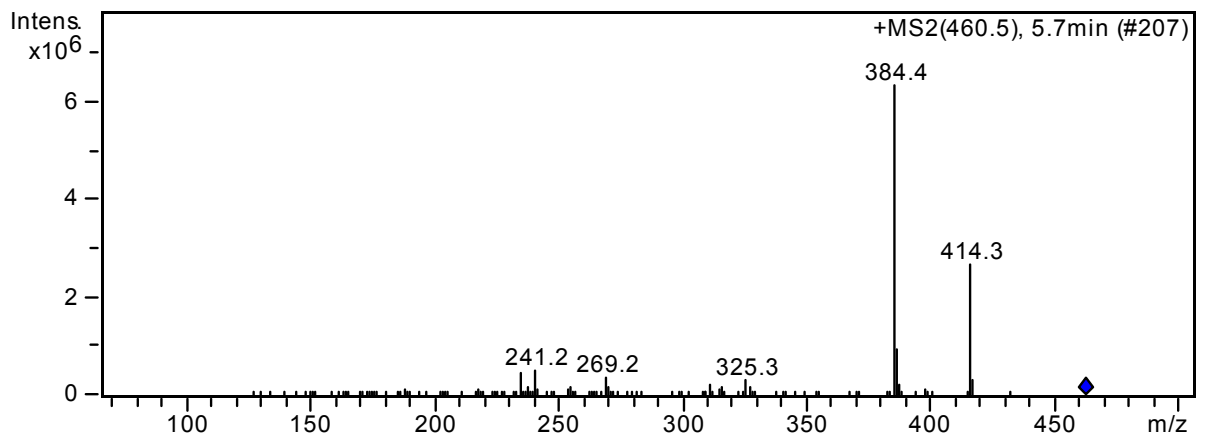
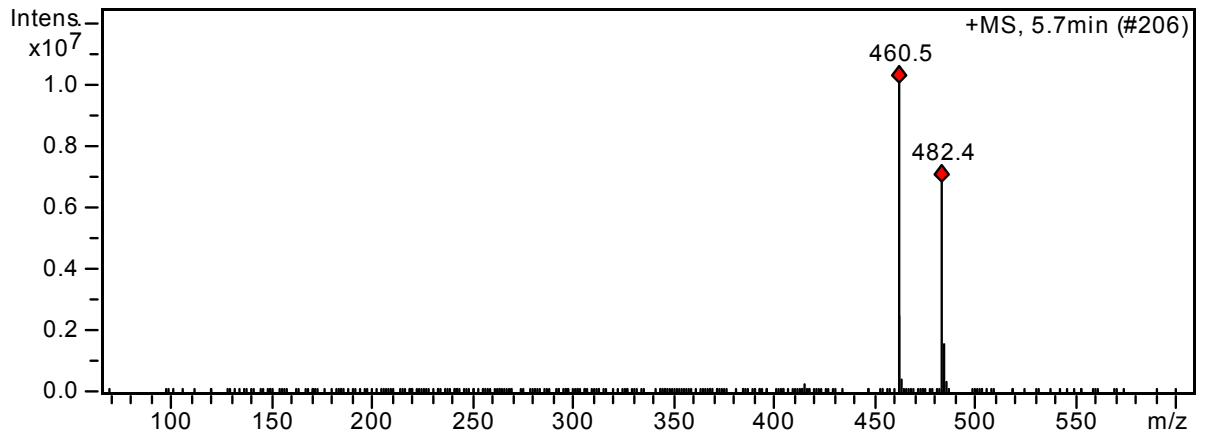




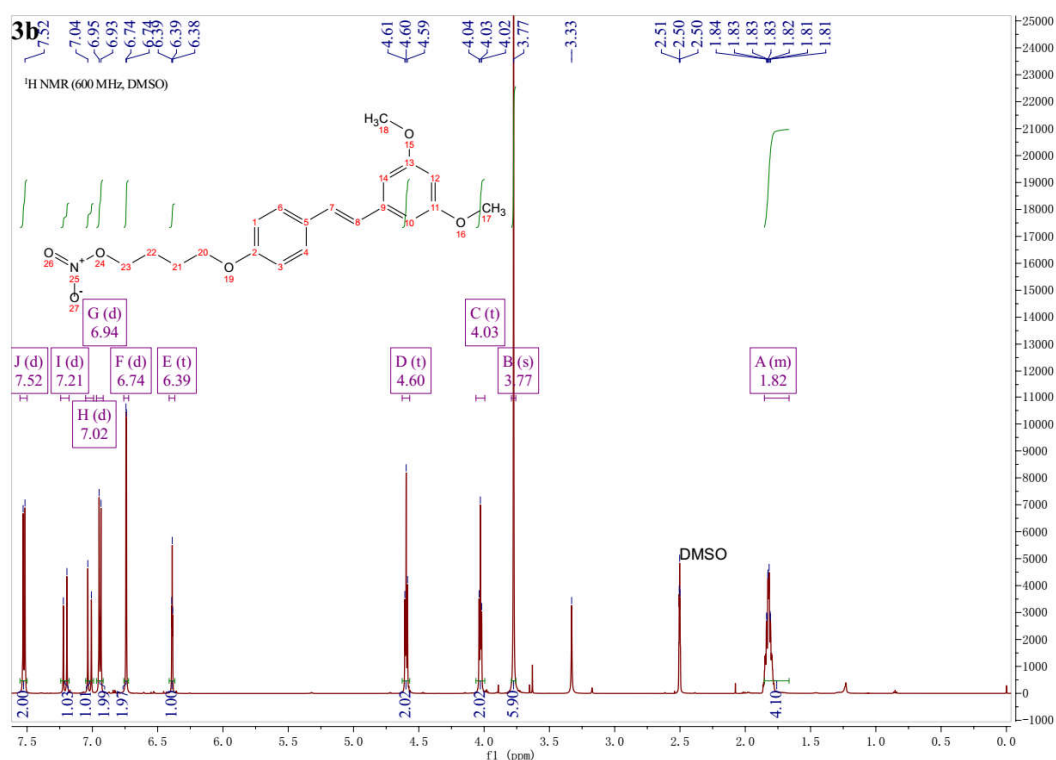
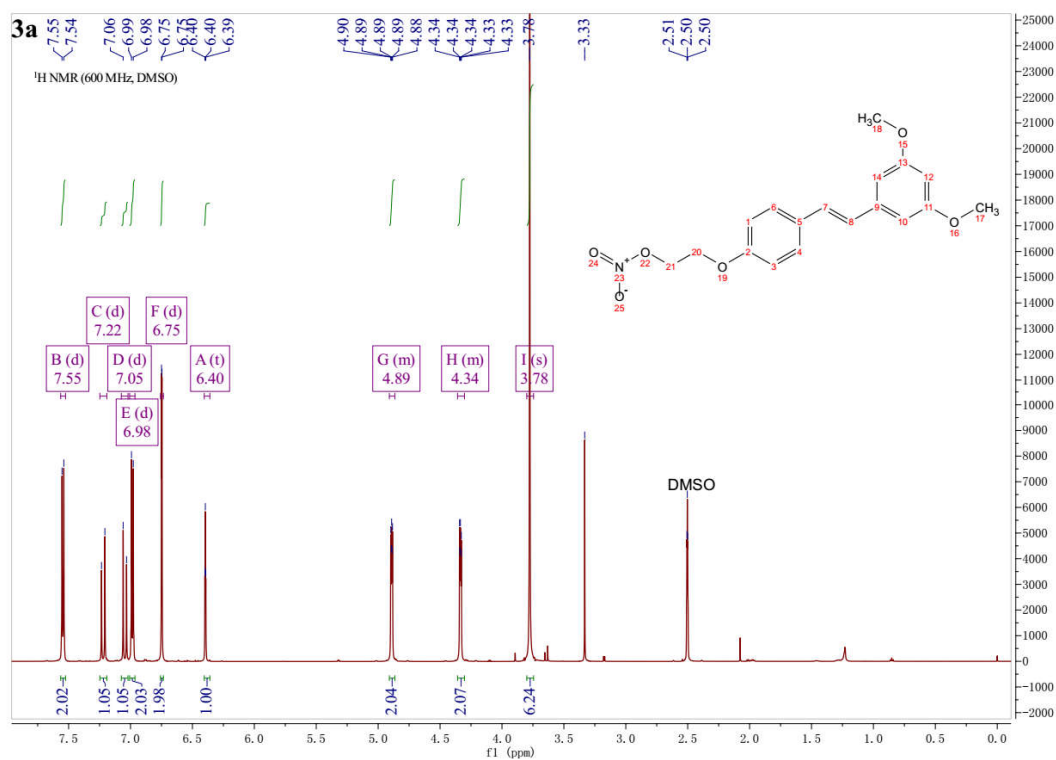
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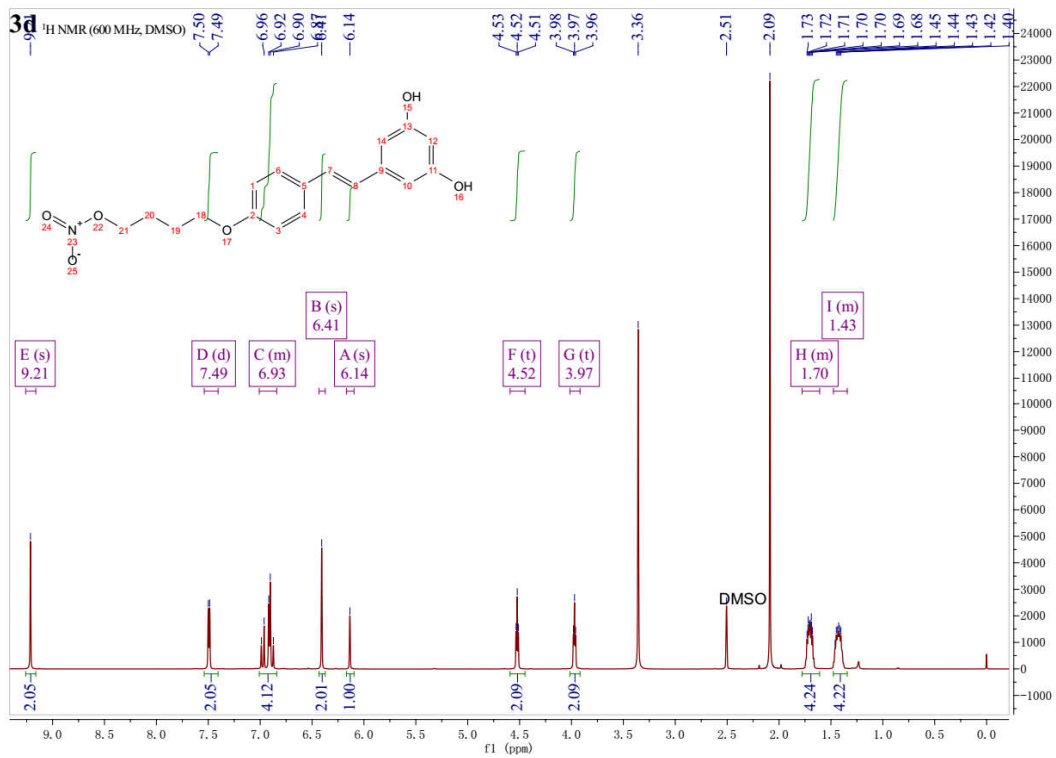
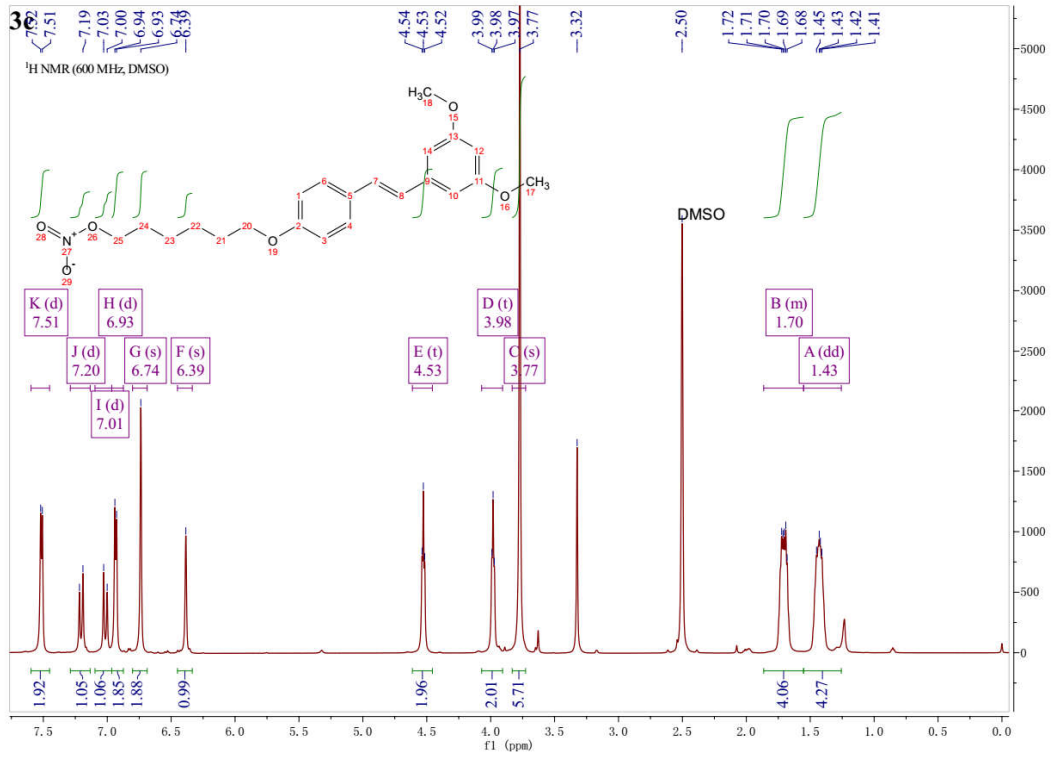


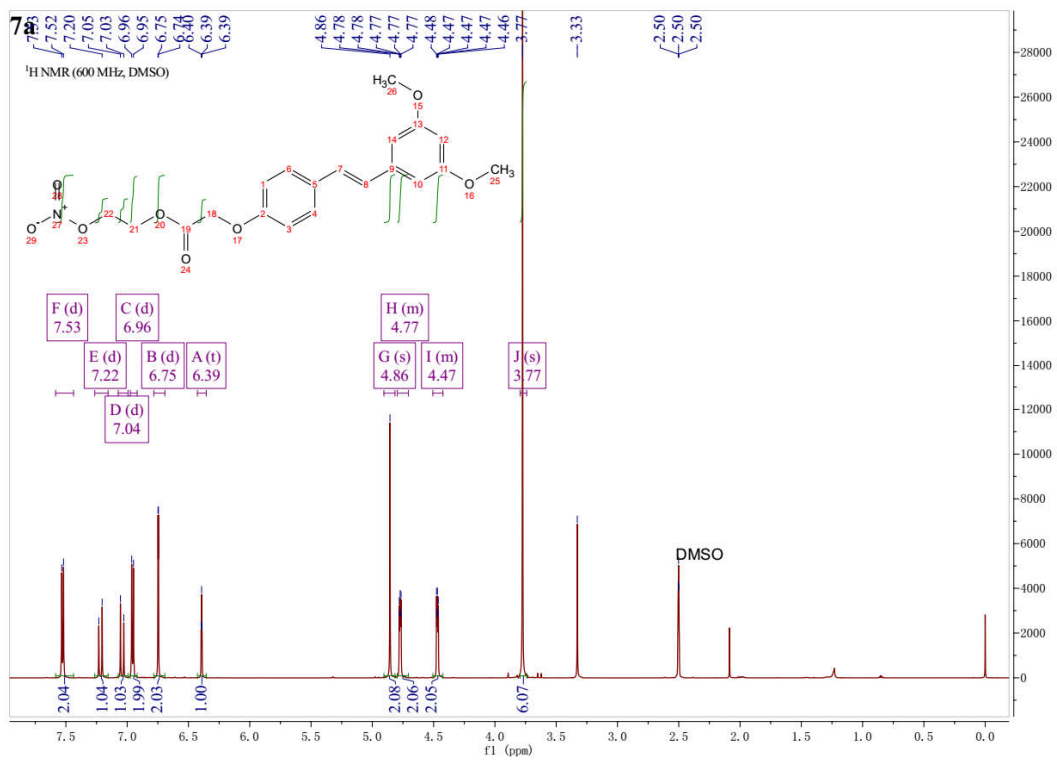
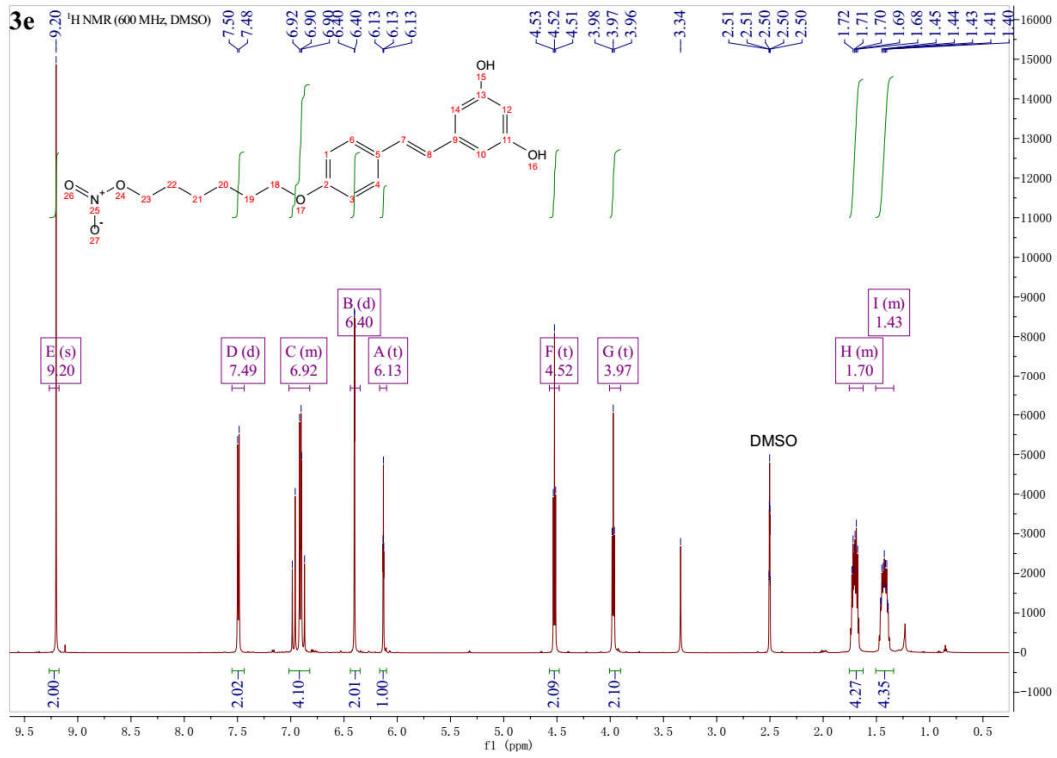
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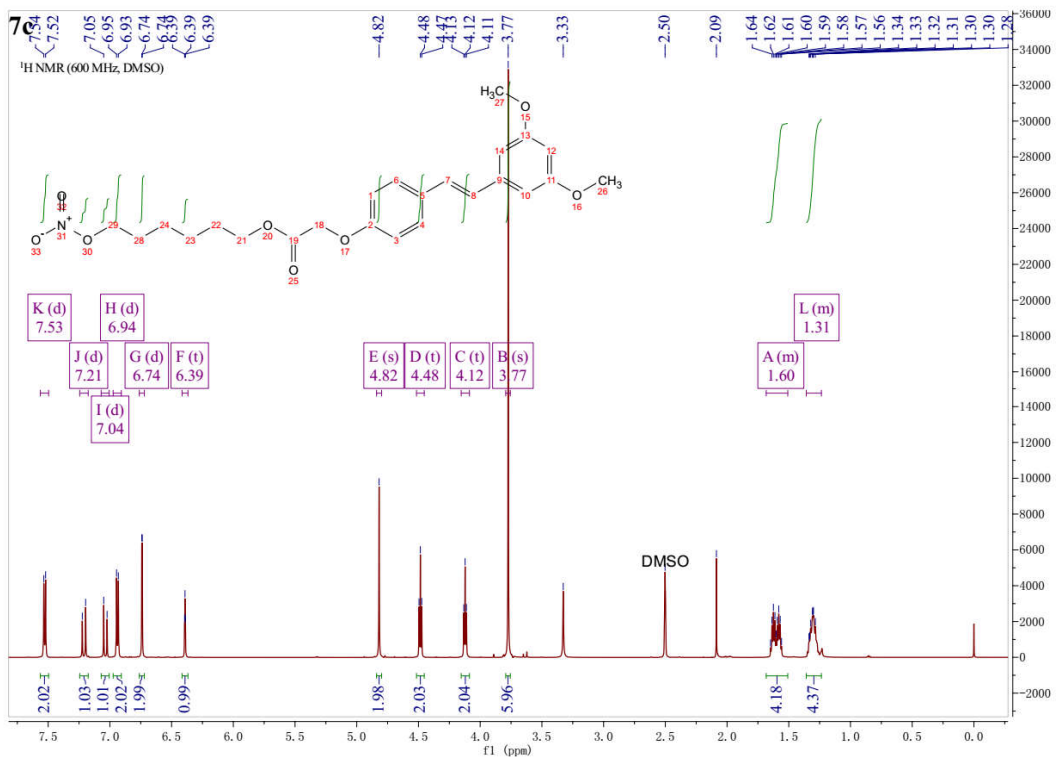
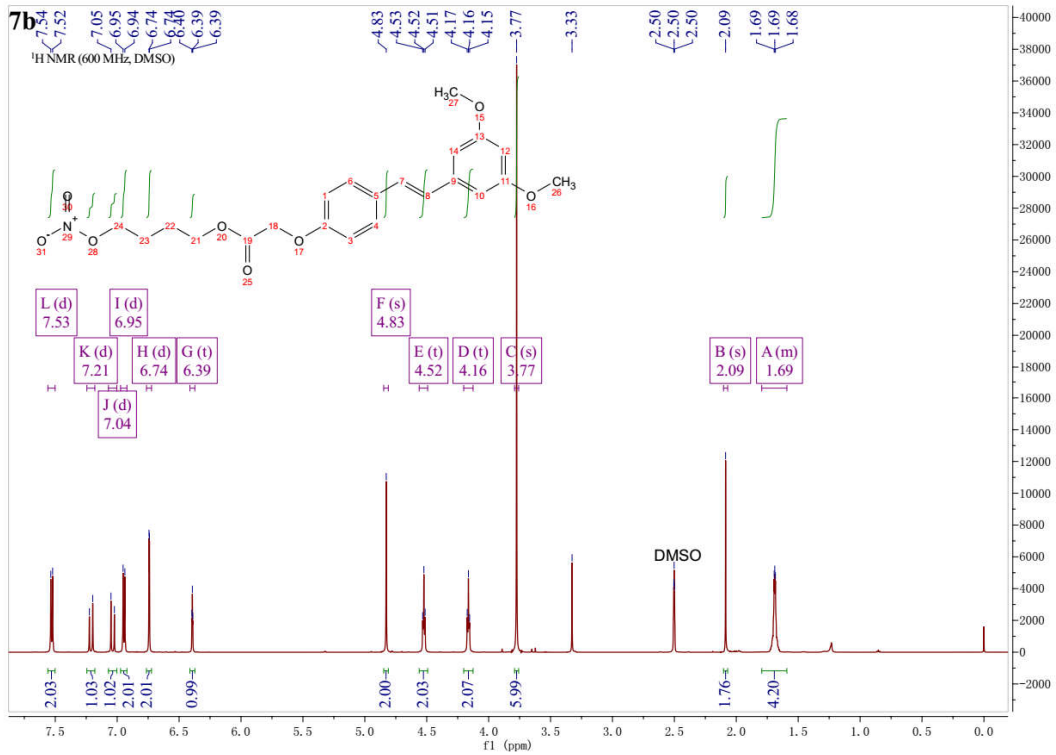


¹H NMR(600 MHz, DMSO-d₆) of compounds 3a-7c









¹³C NMR(150 MHz, DMSO-d₆) of compounds 3a-7c

