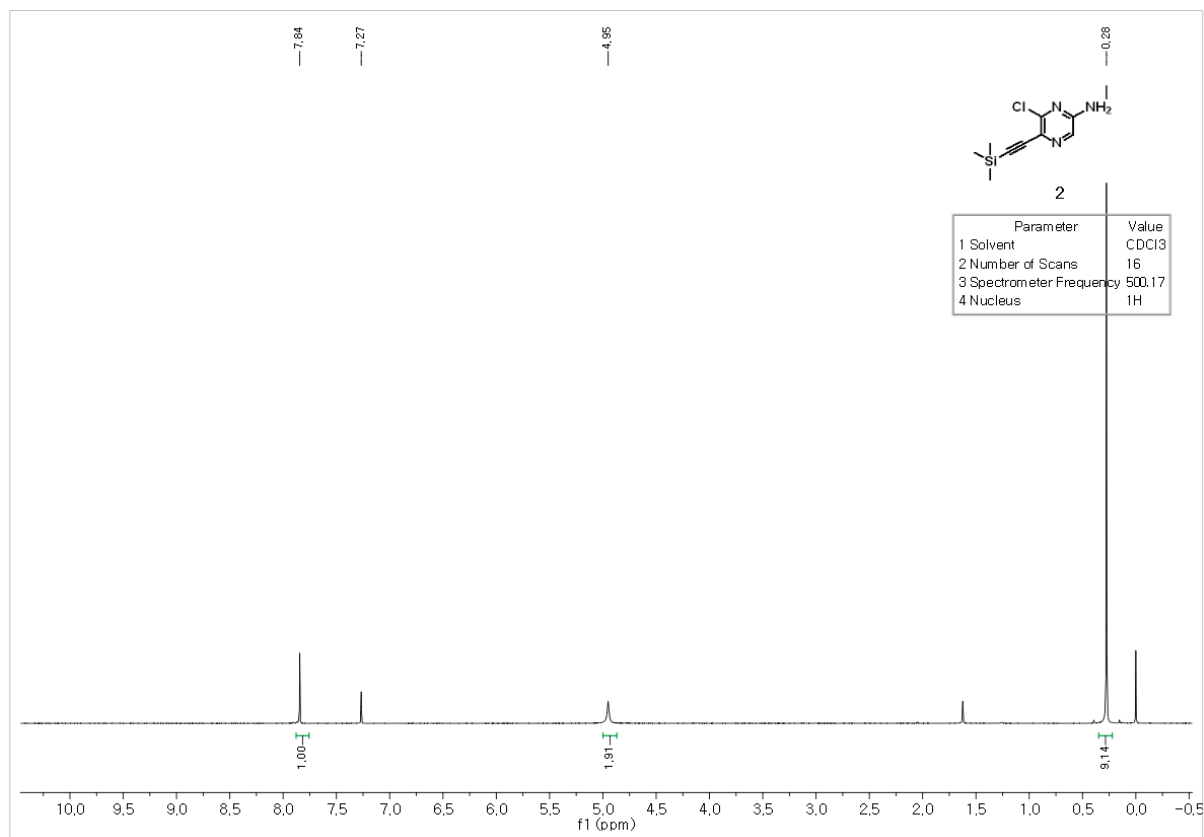


Supplementary Materials

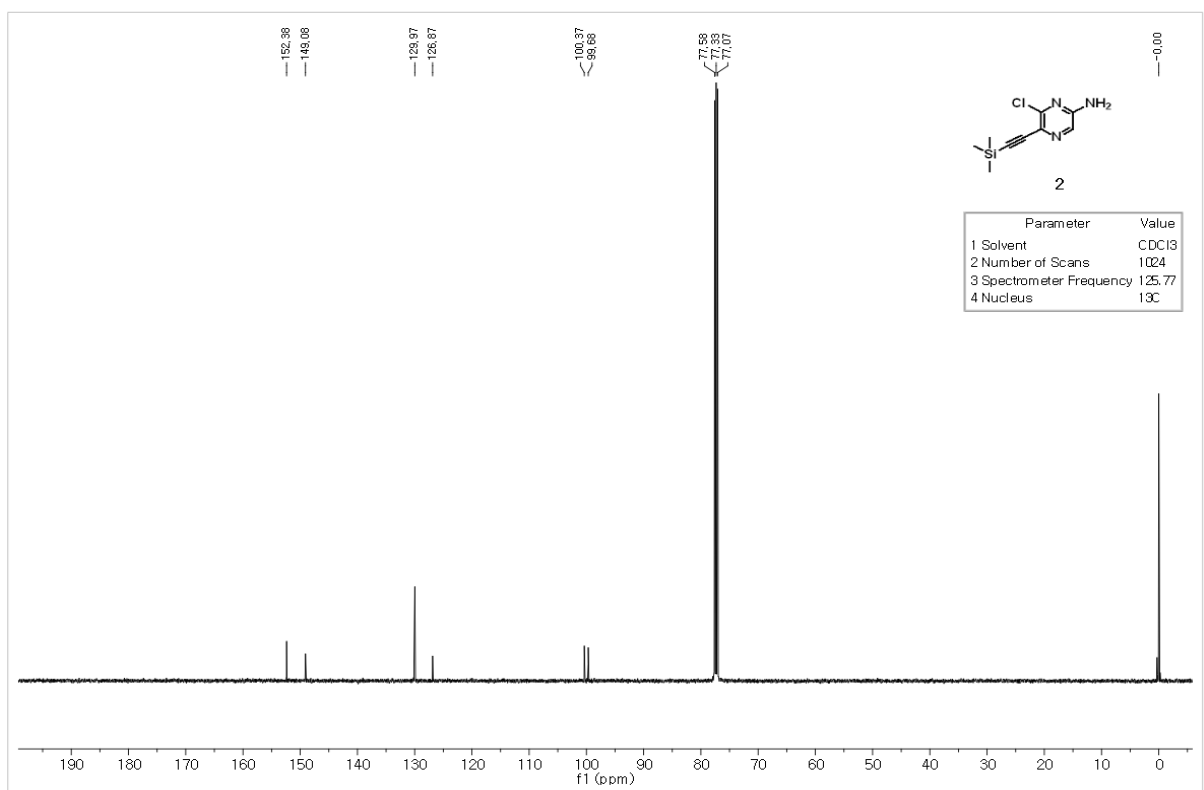
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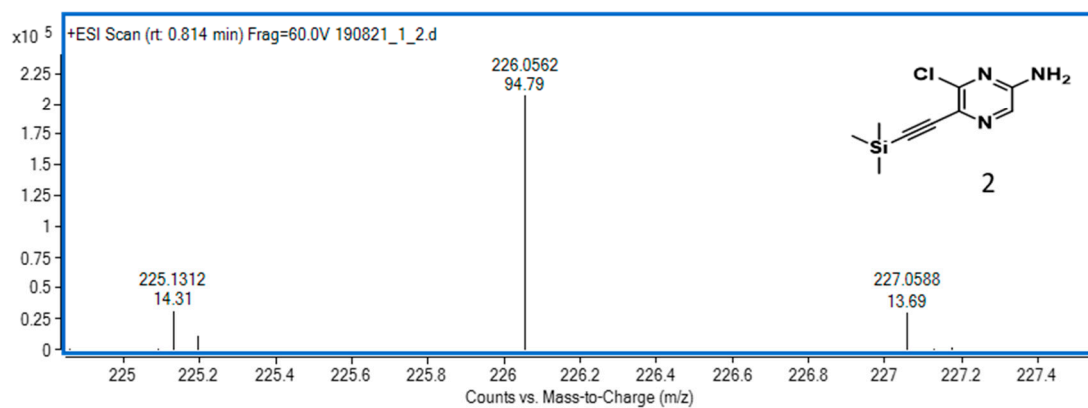
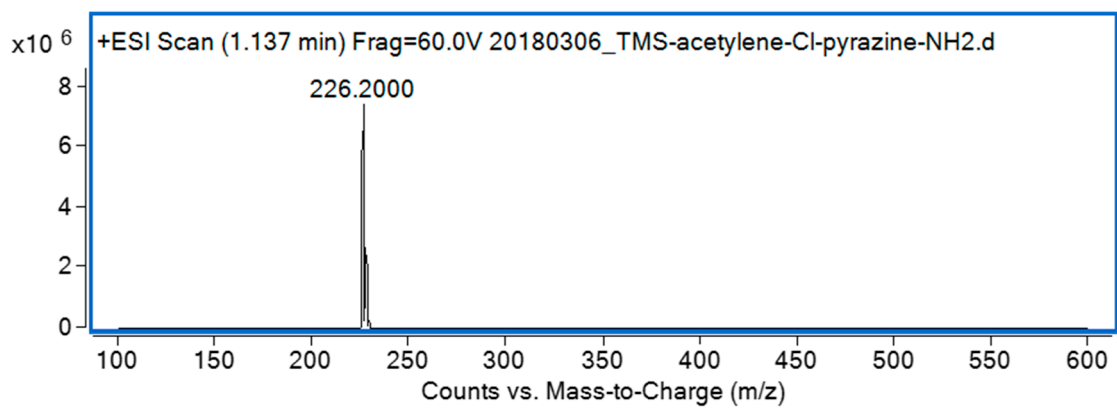
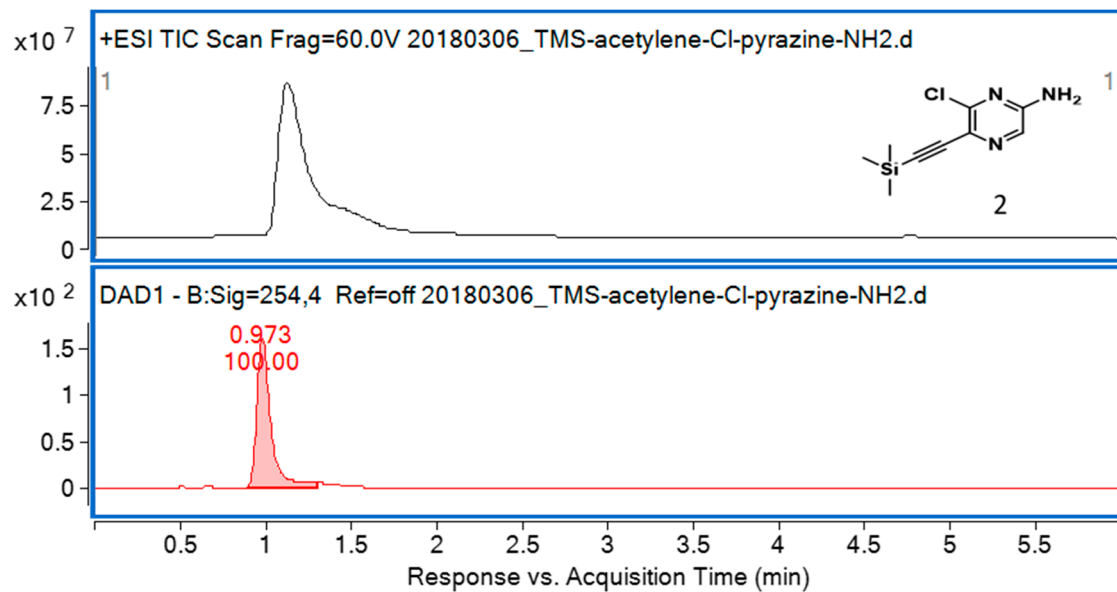
1. ¹H NMR, ¹³C NMR, LC/MS, and HRMS Spectra of Compounds



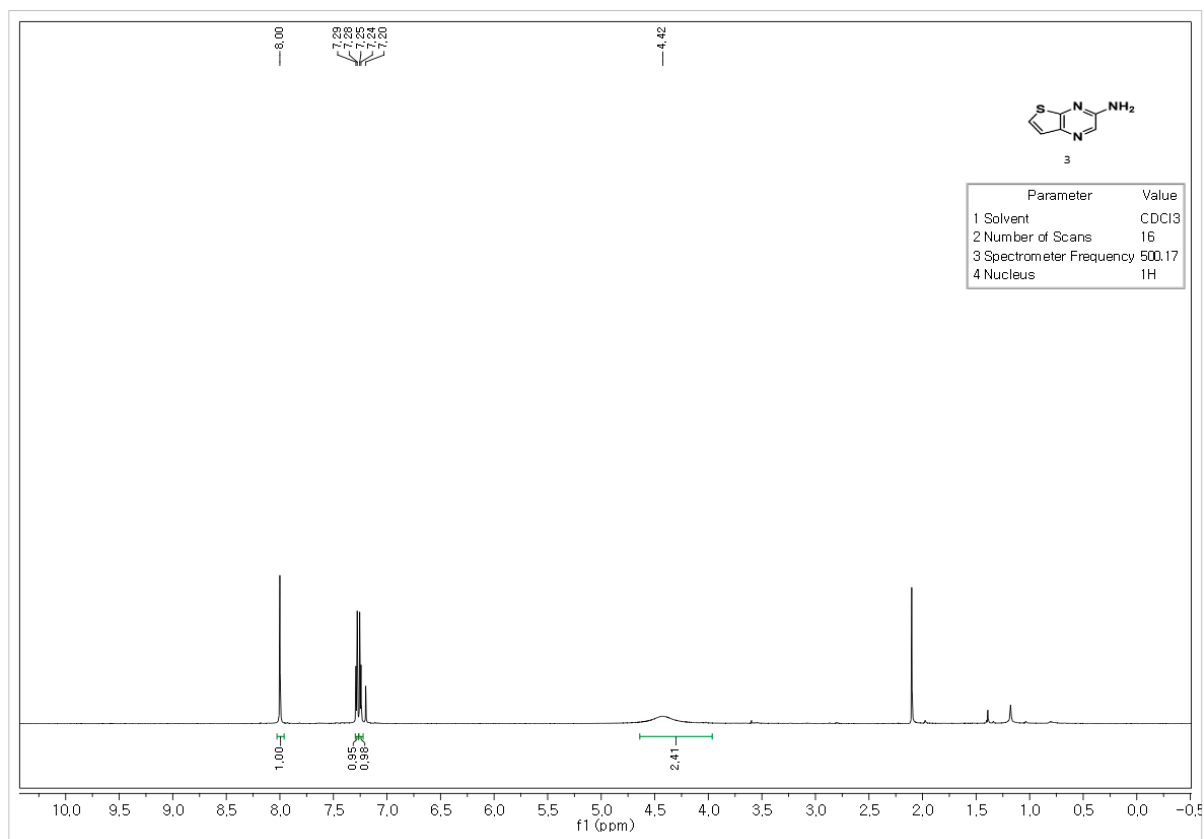
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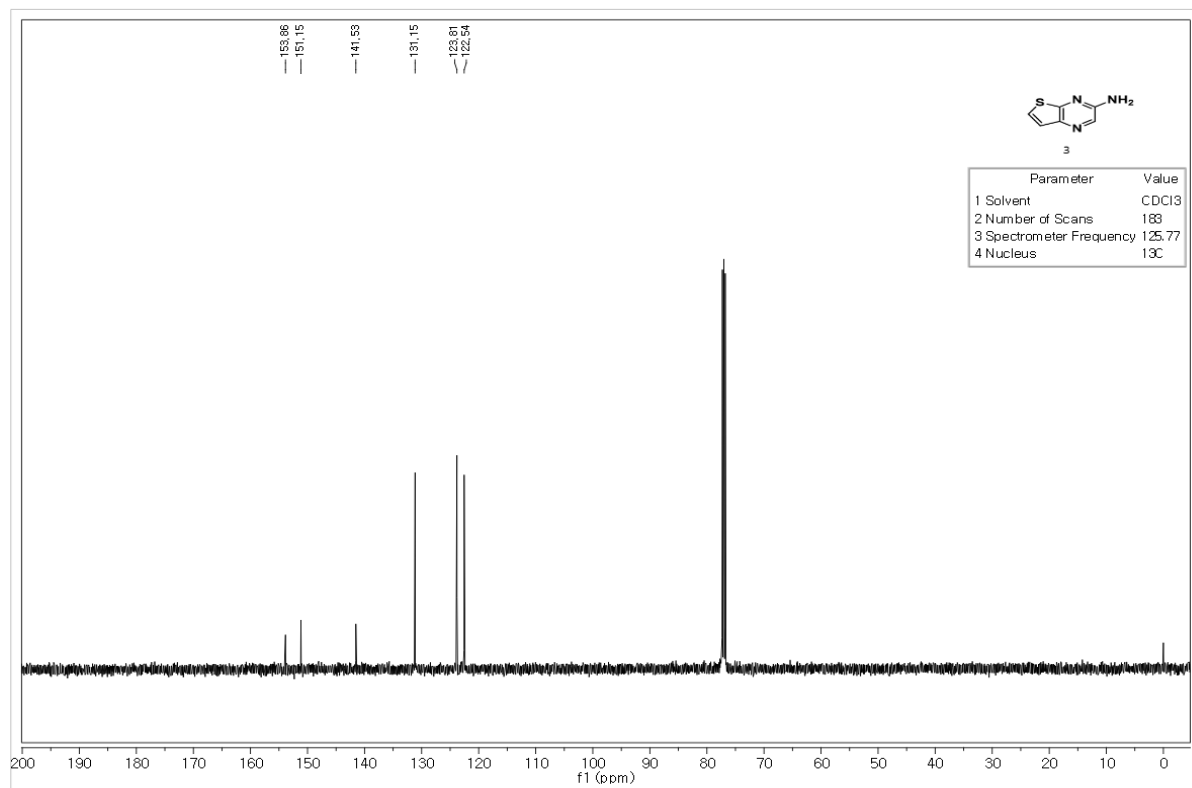
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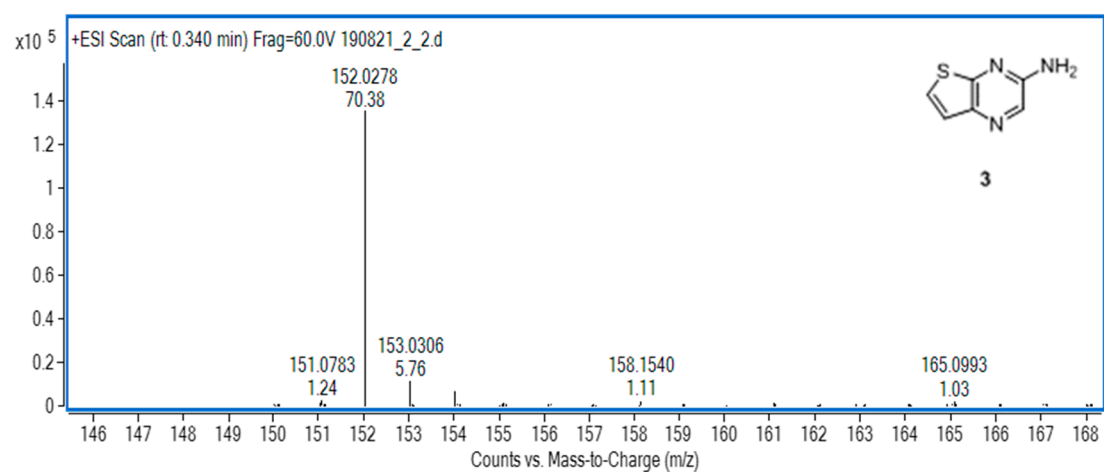
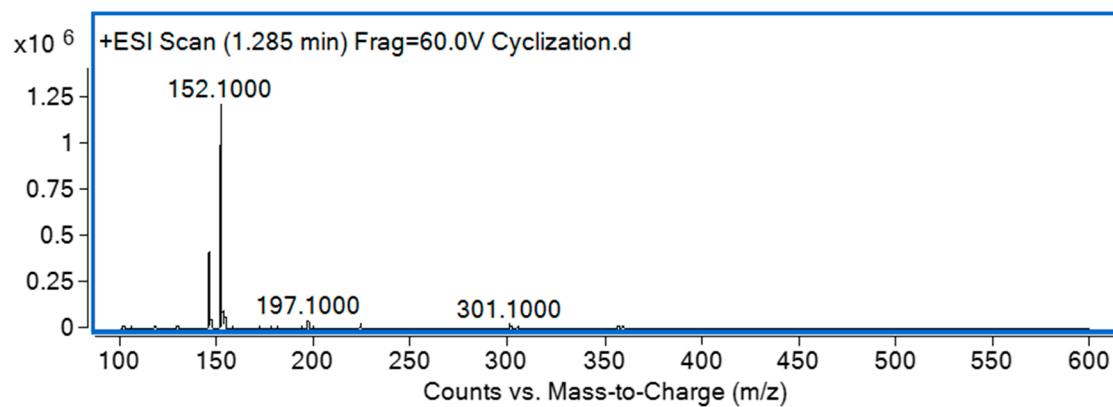
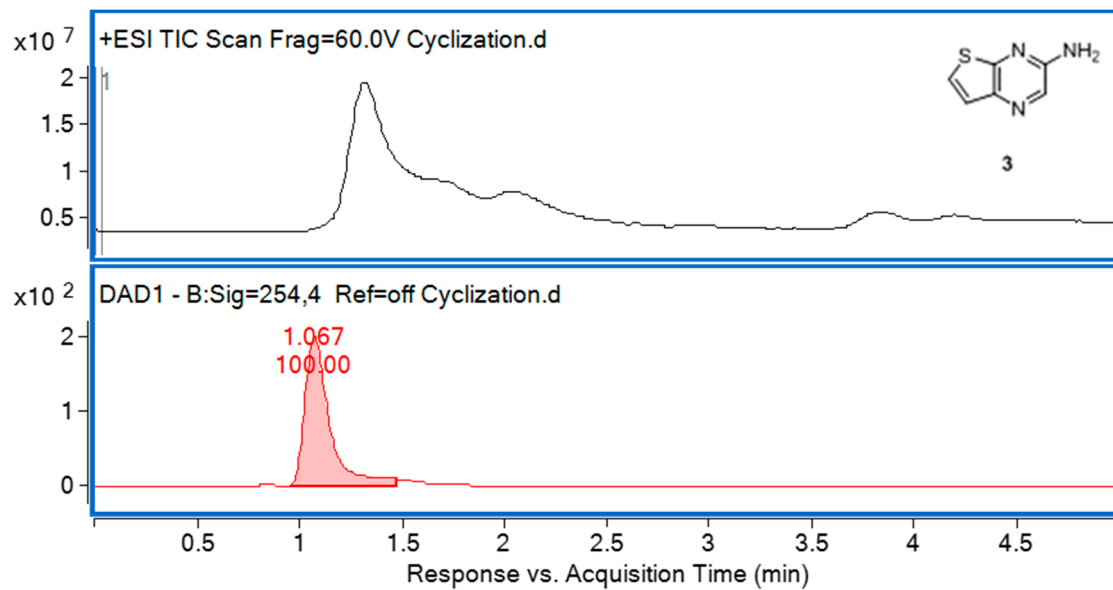
LC/MS, HR/MS-2



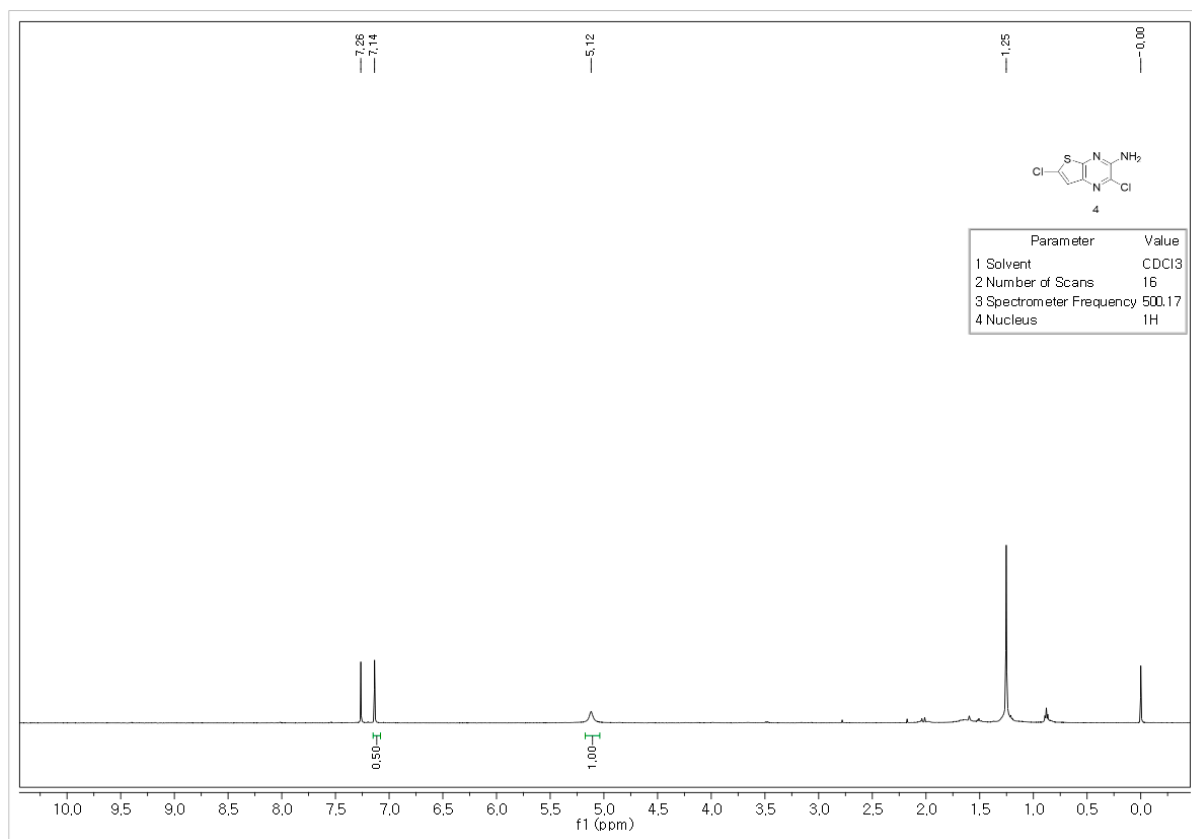
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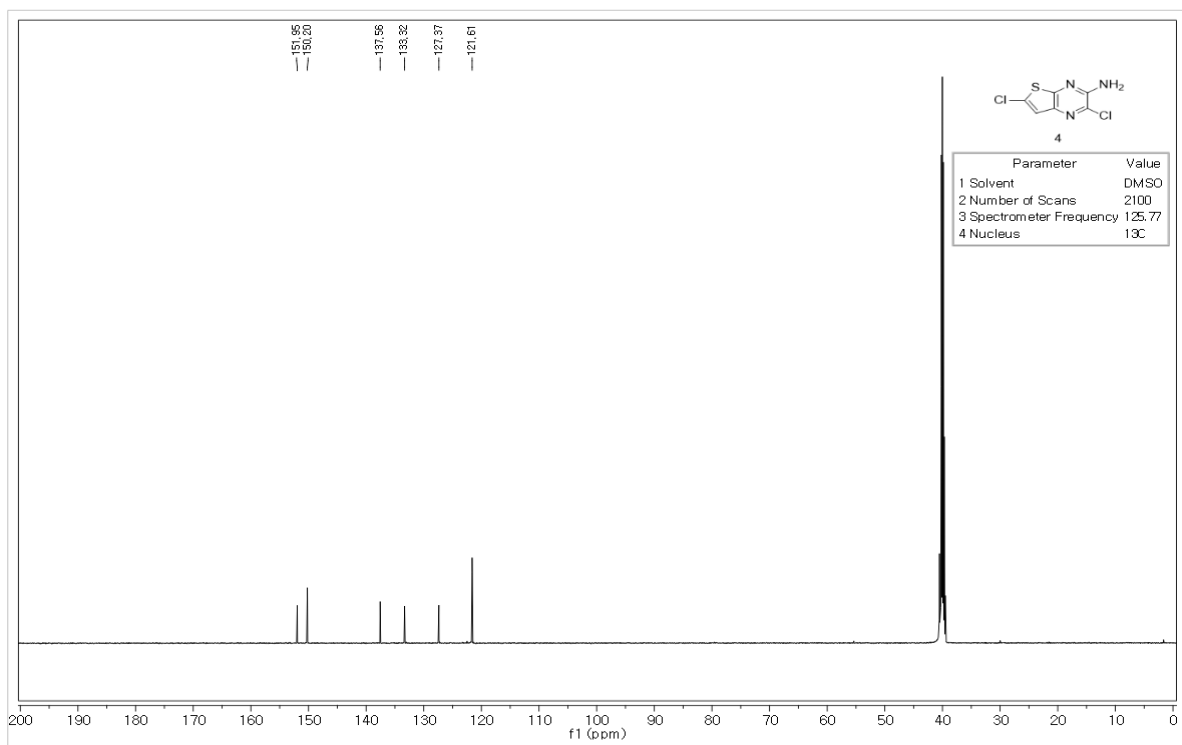
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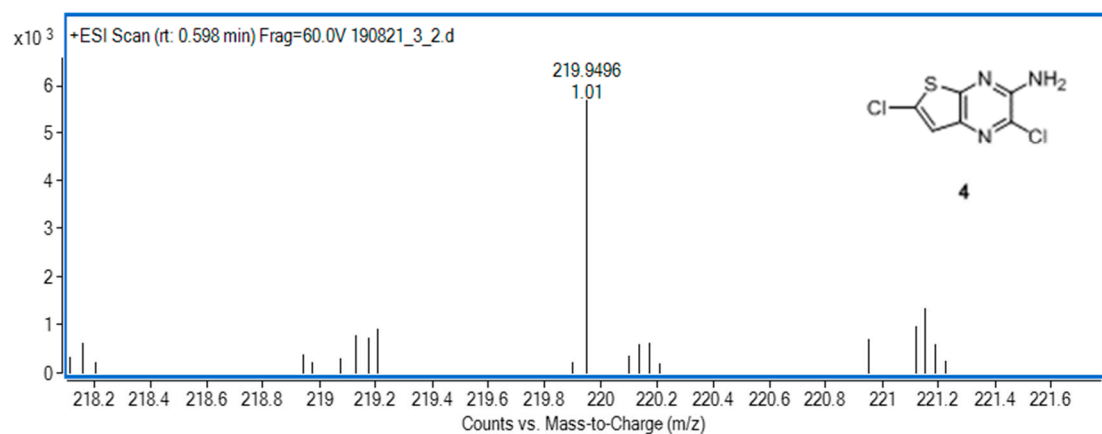
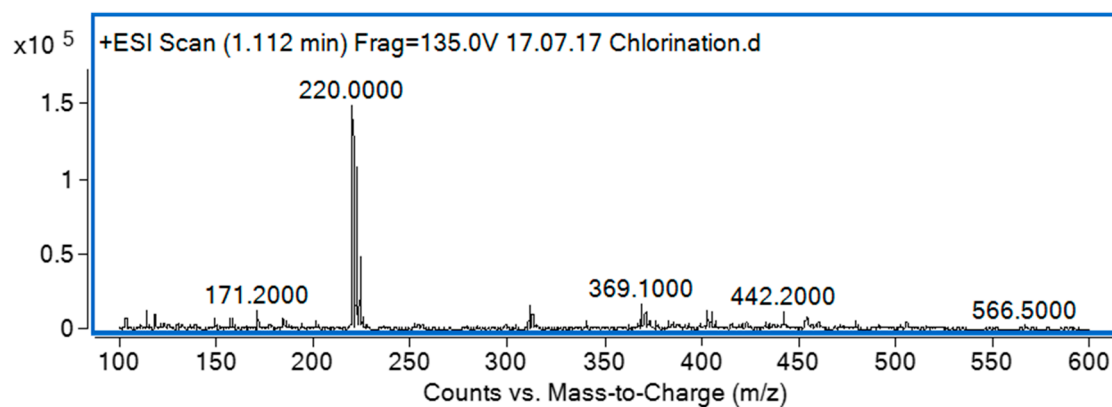
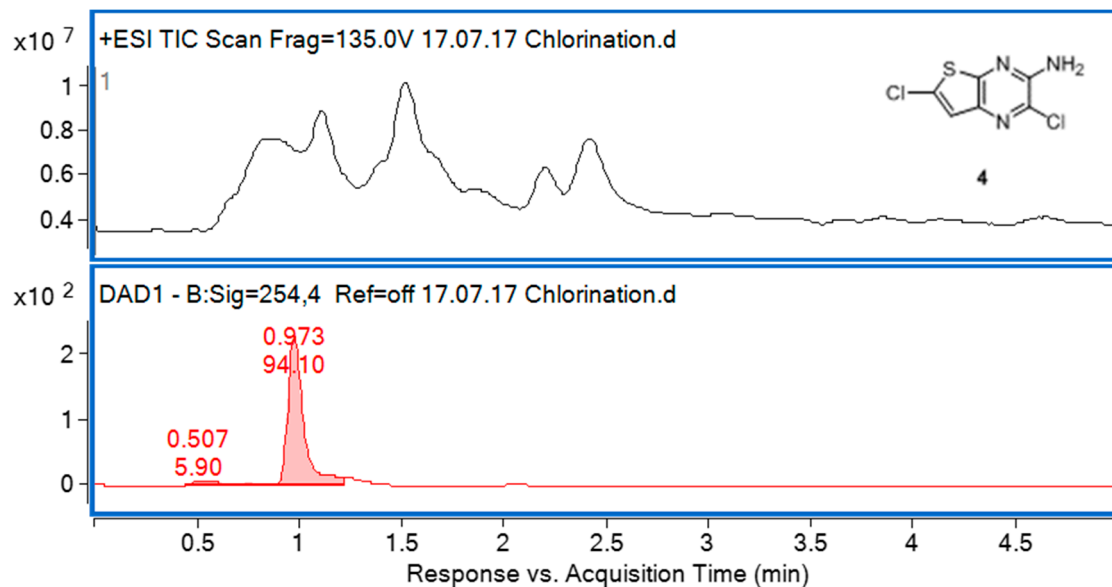
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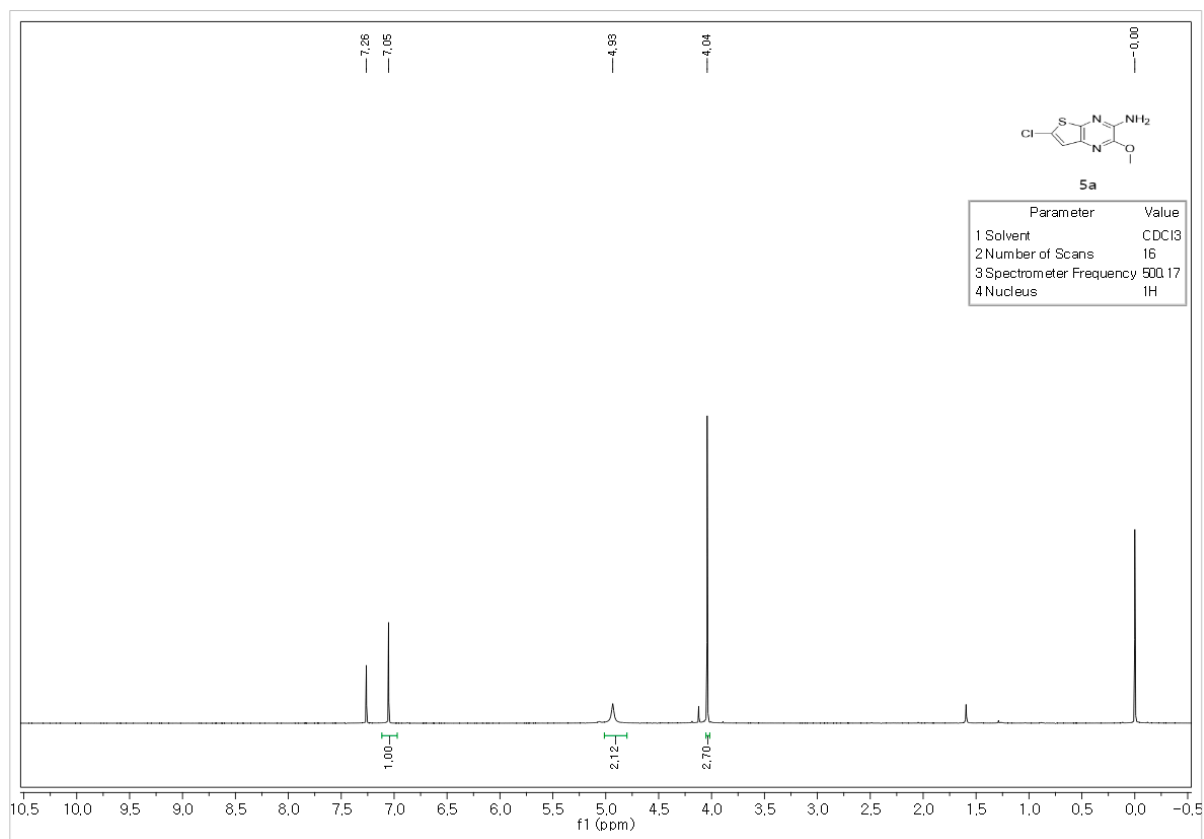
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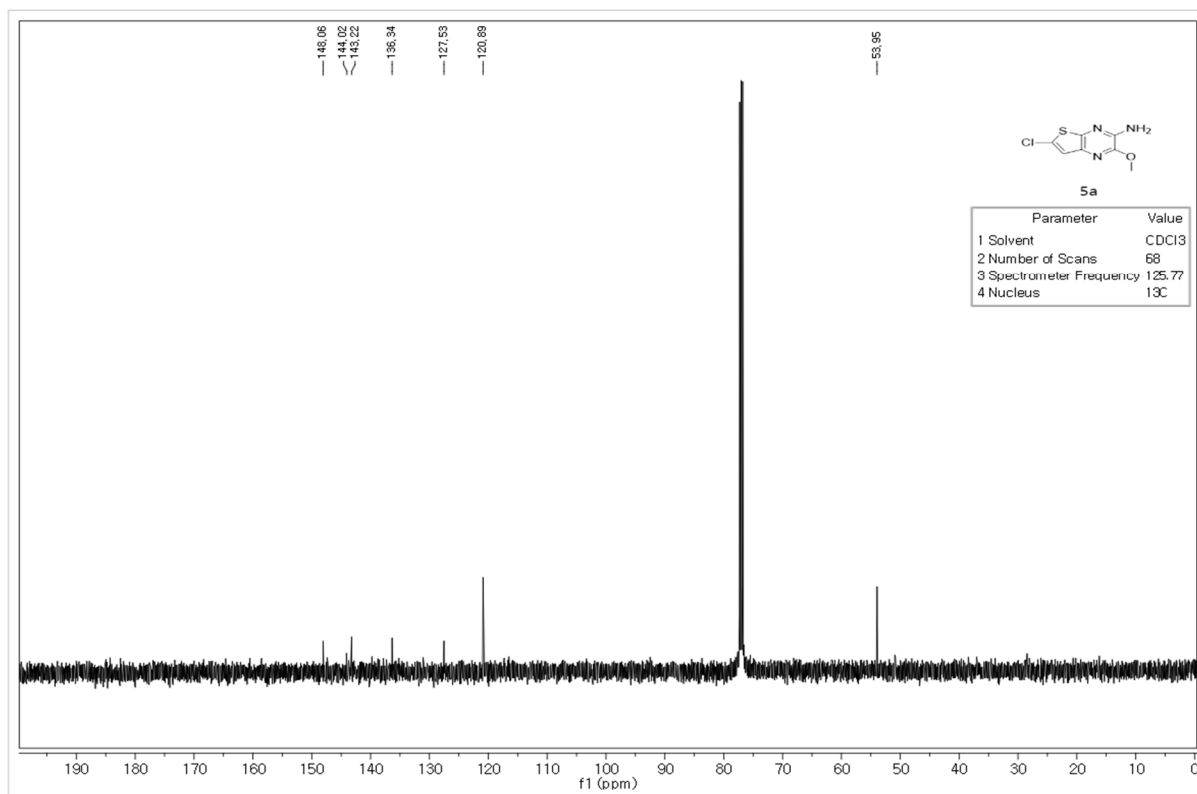
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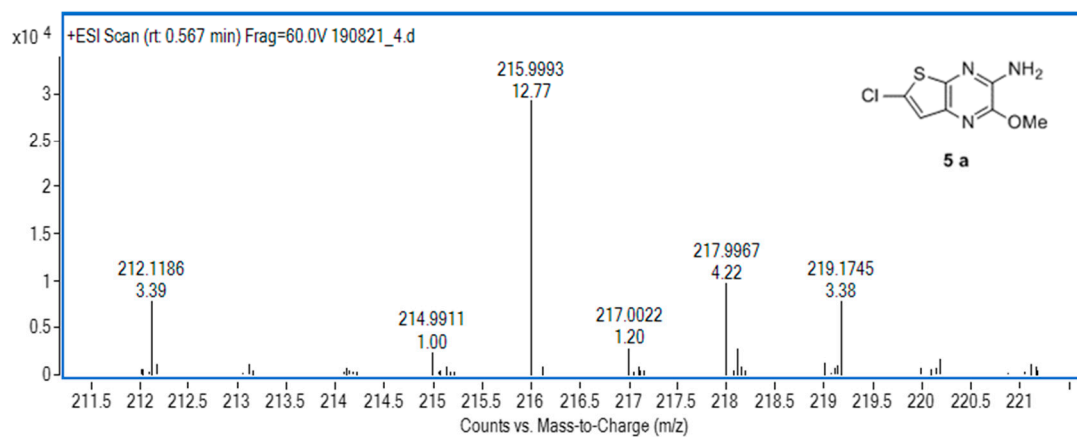
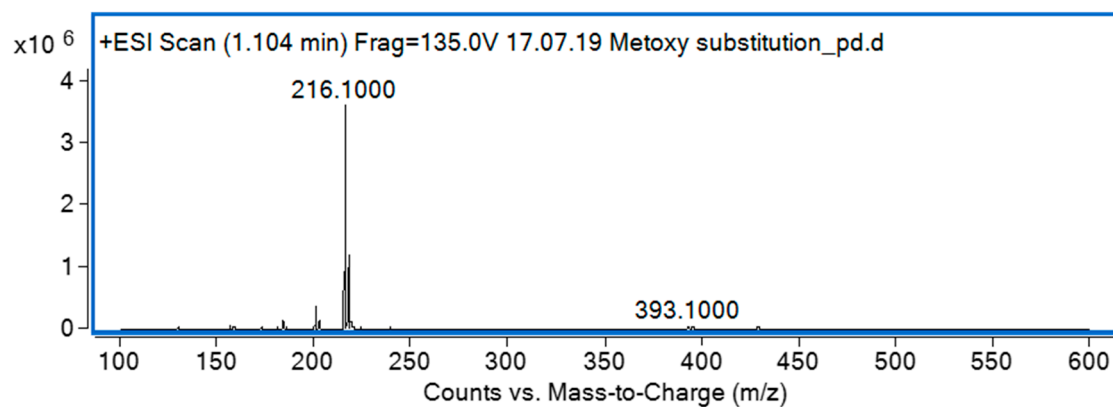
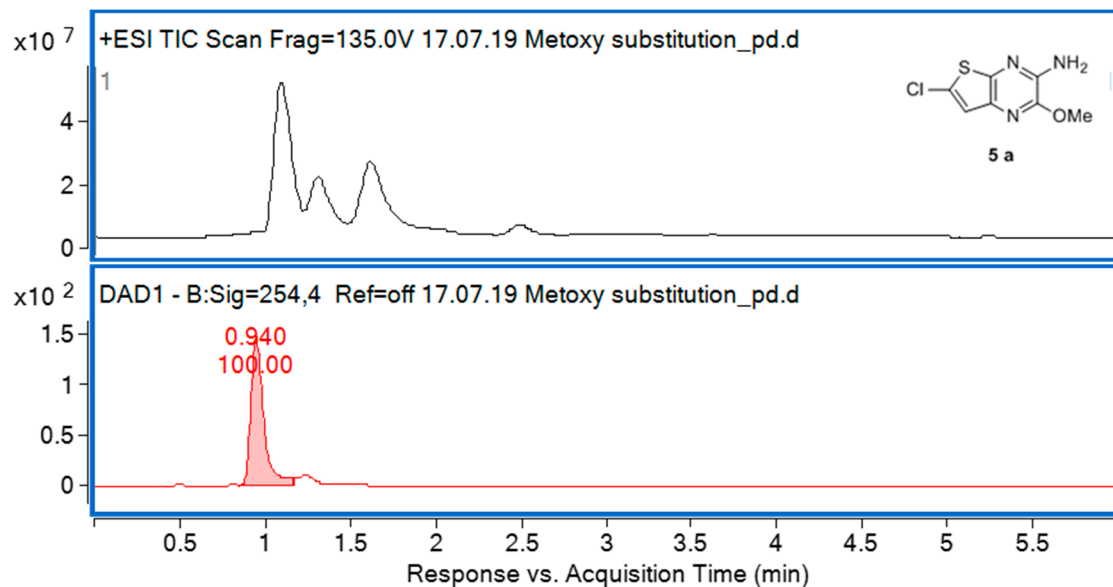
LC/MS, HR/MS-4



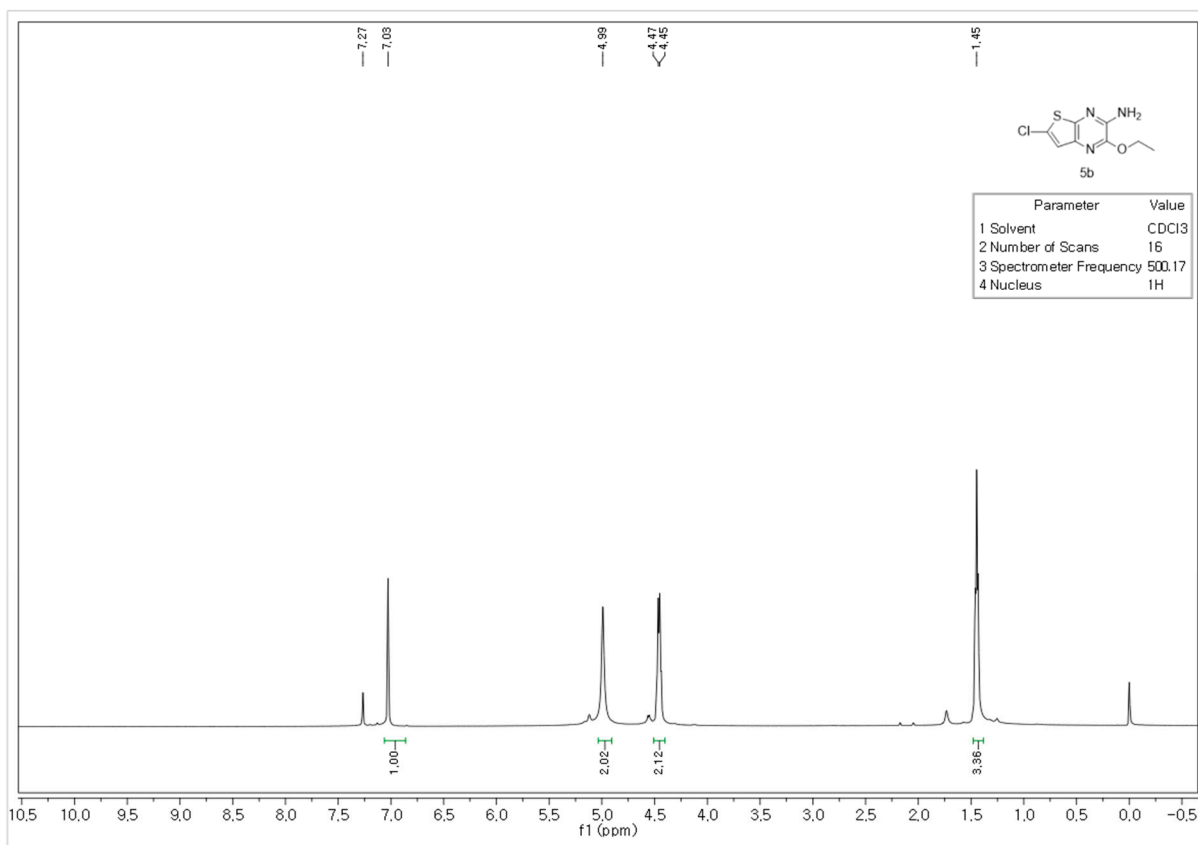
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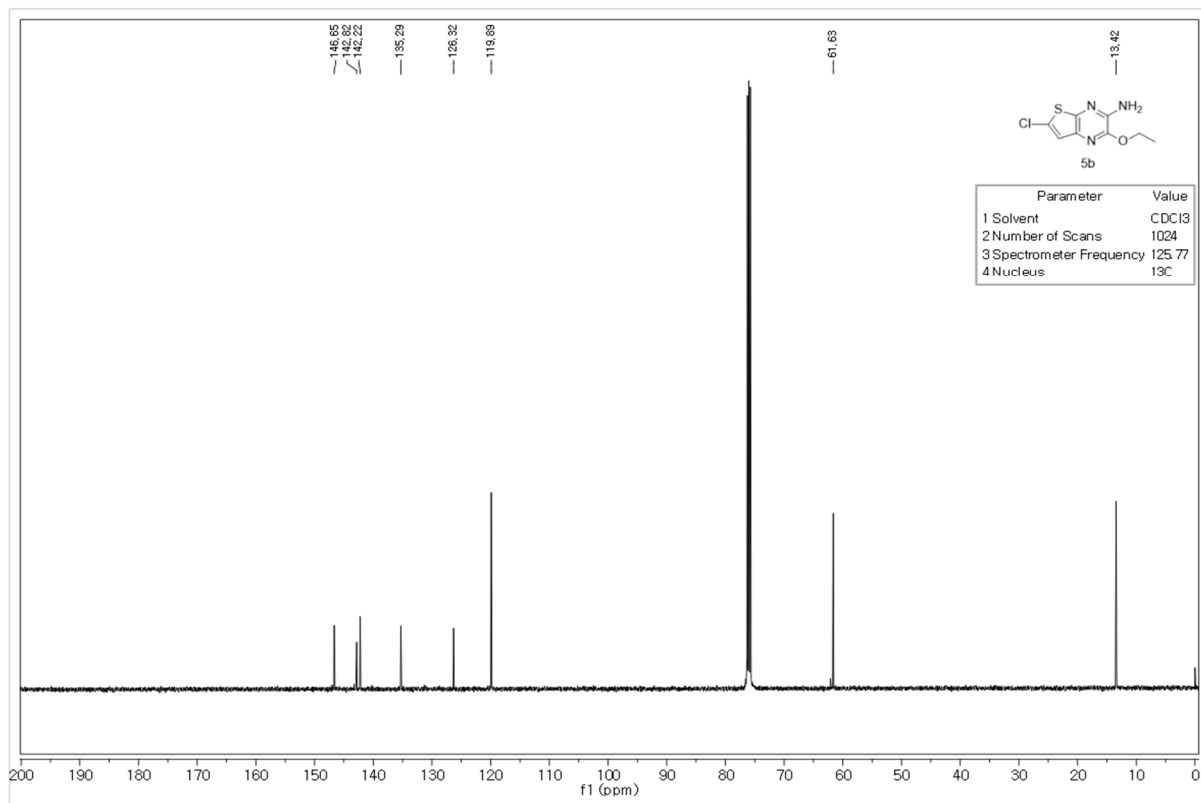
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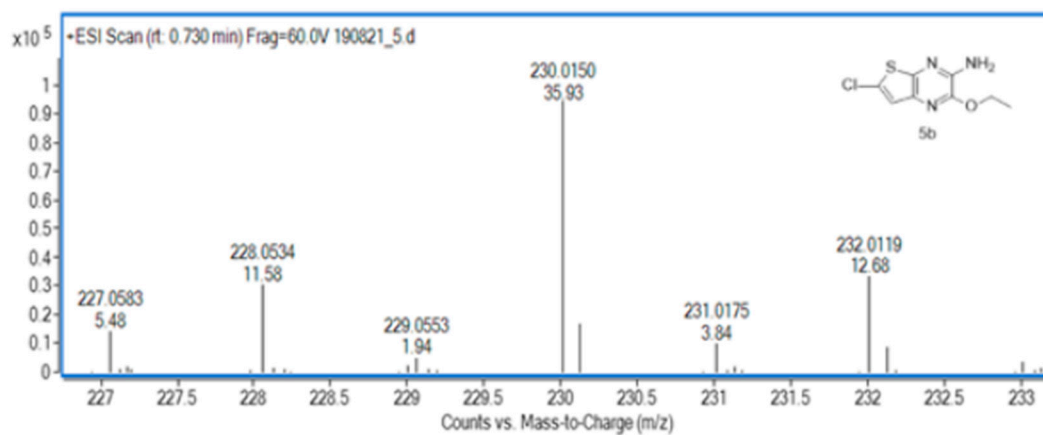
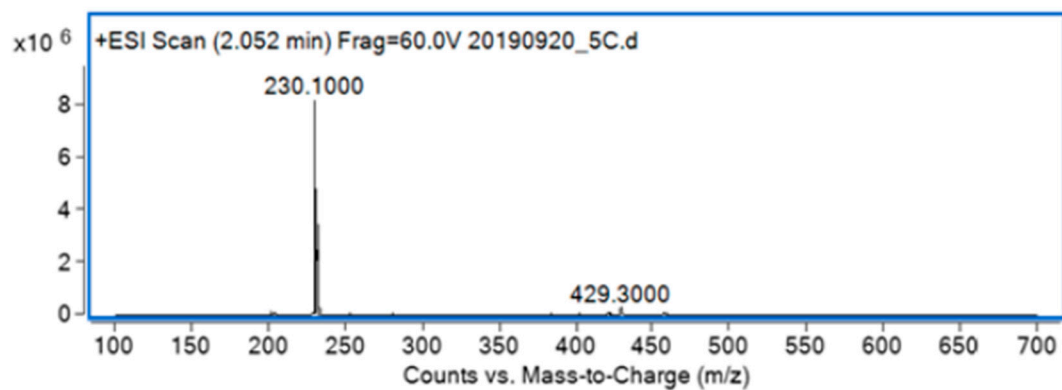
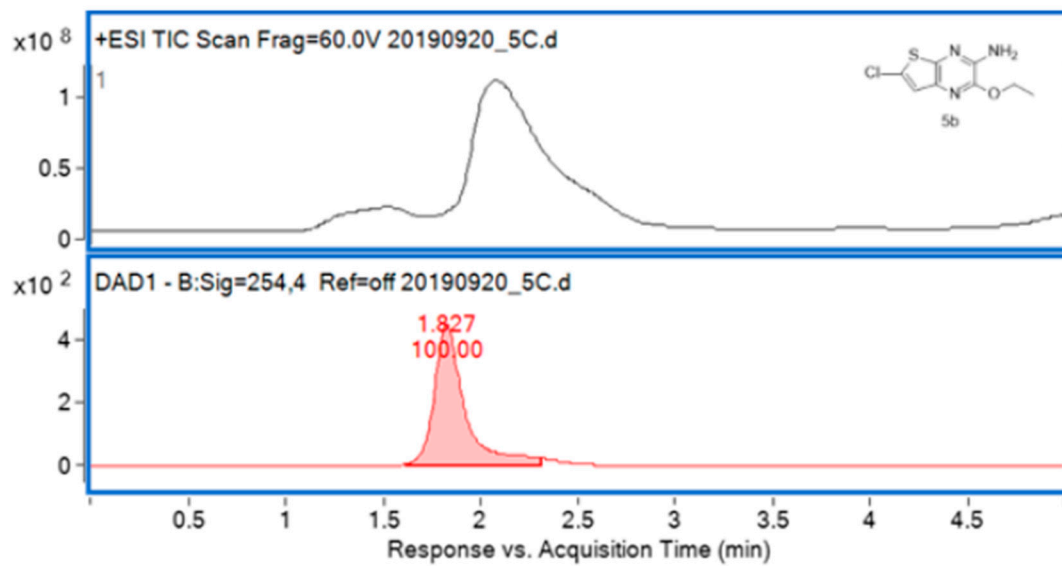
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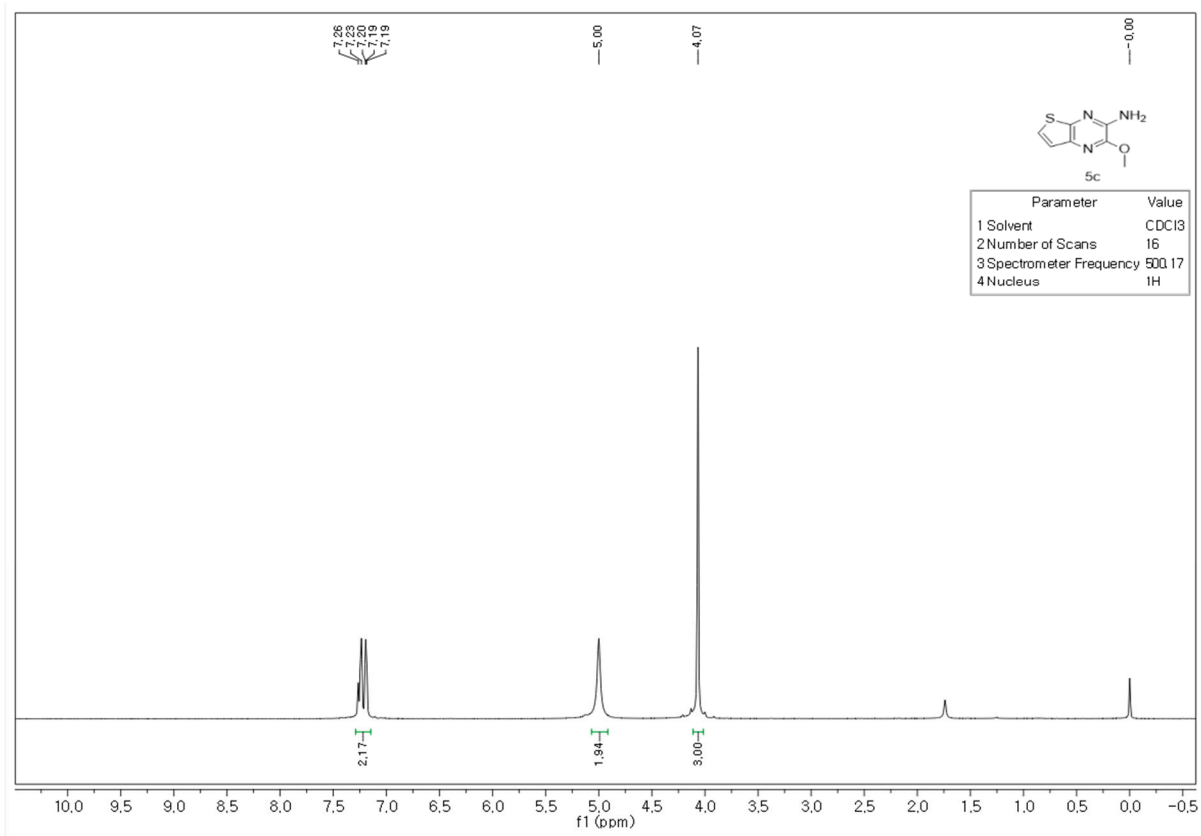
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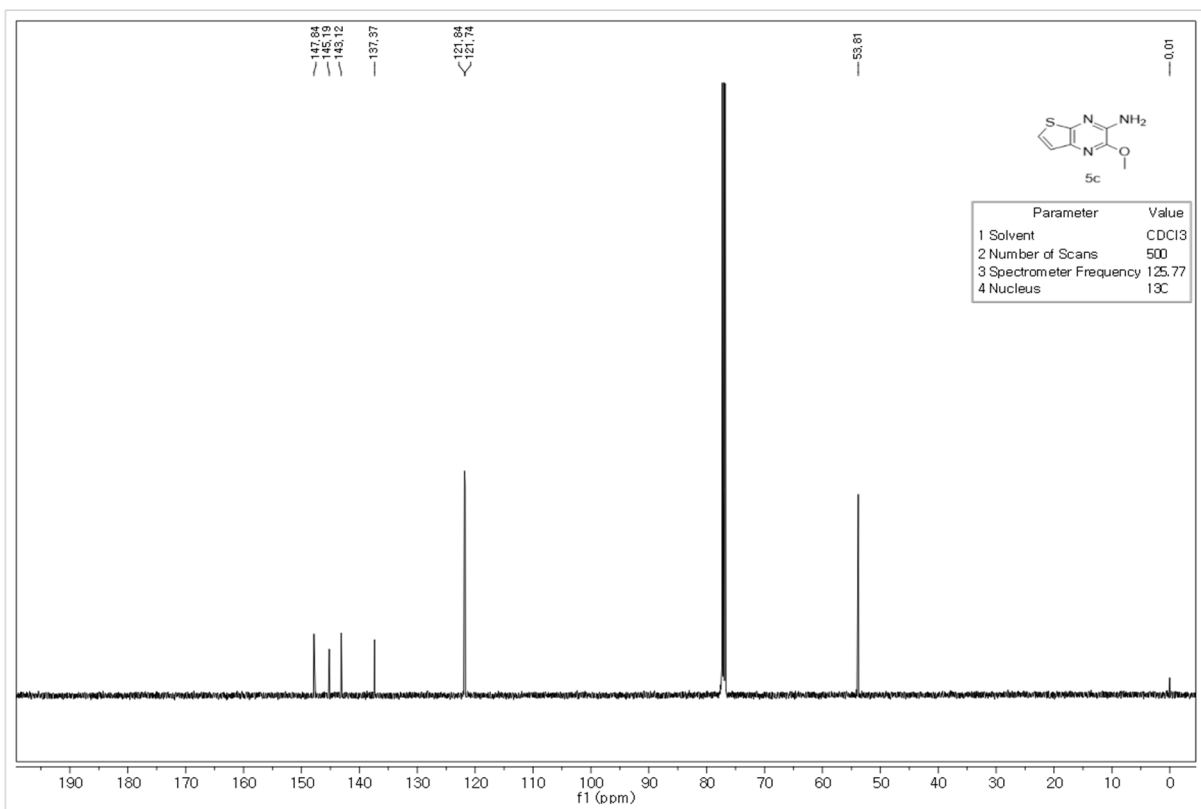
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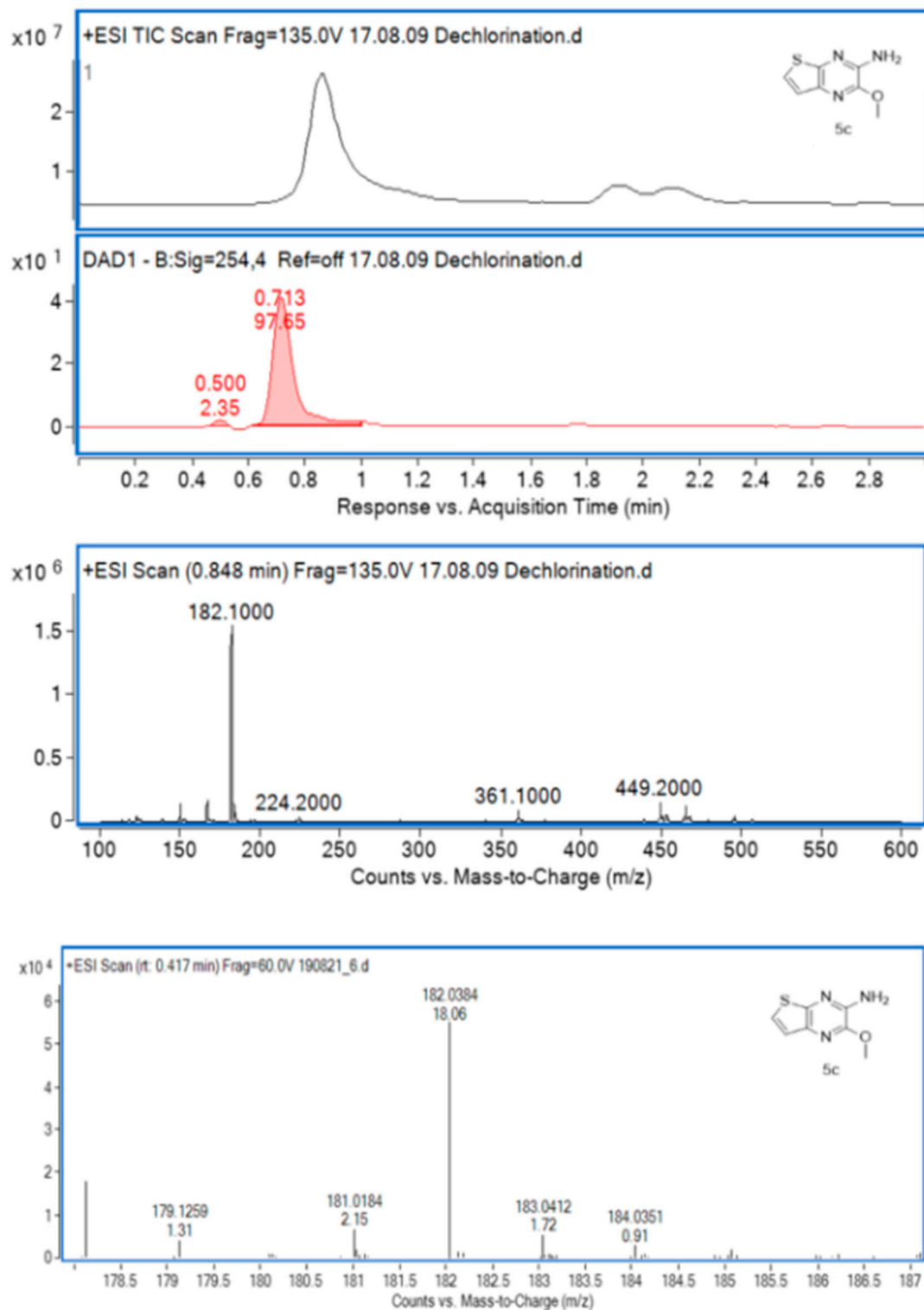
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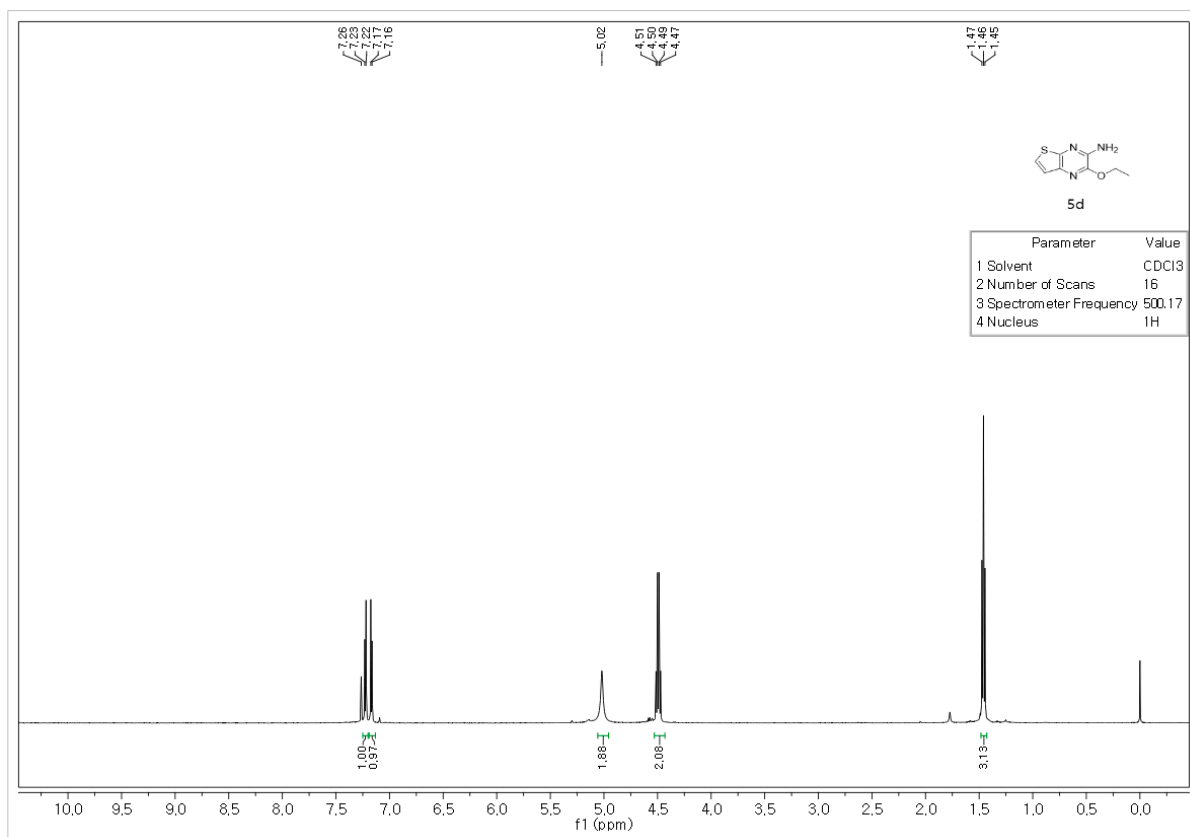
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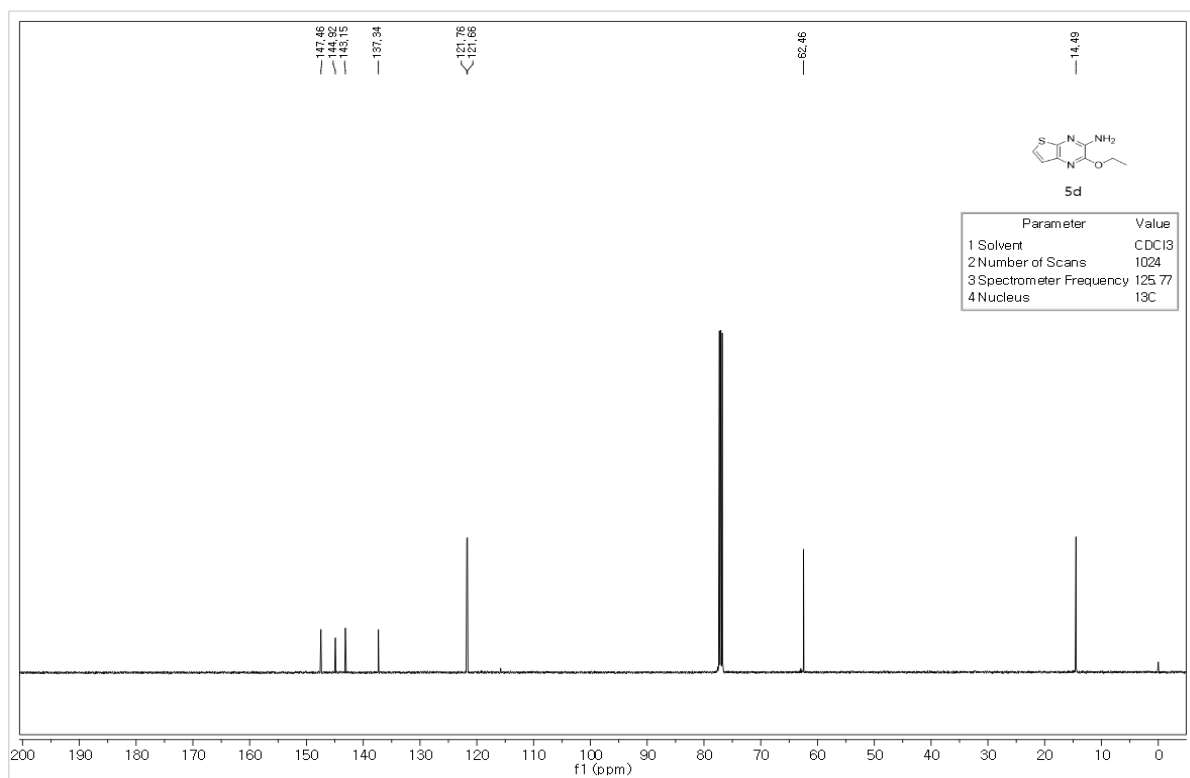
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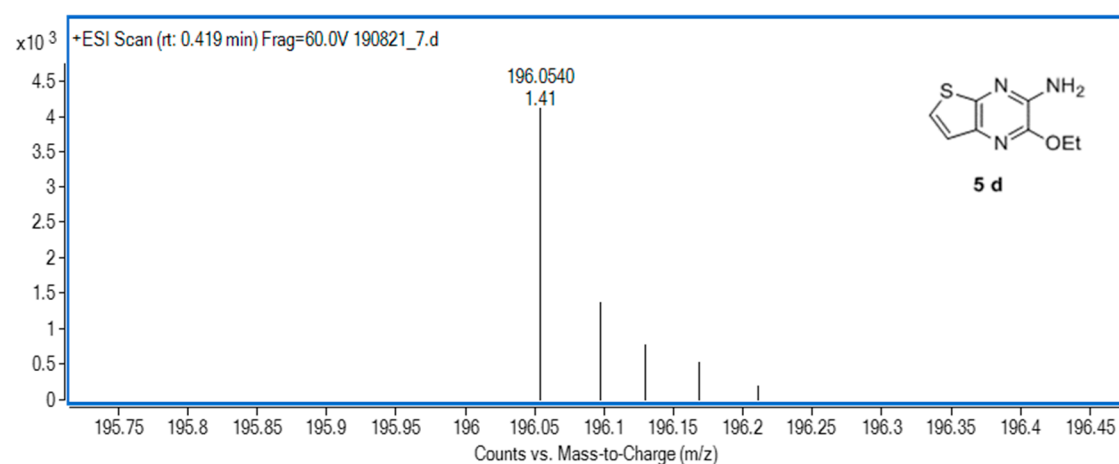
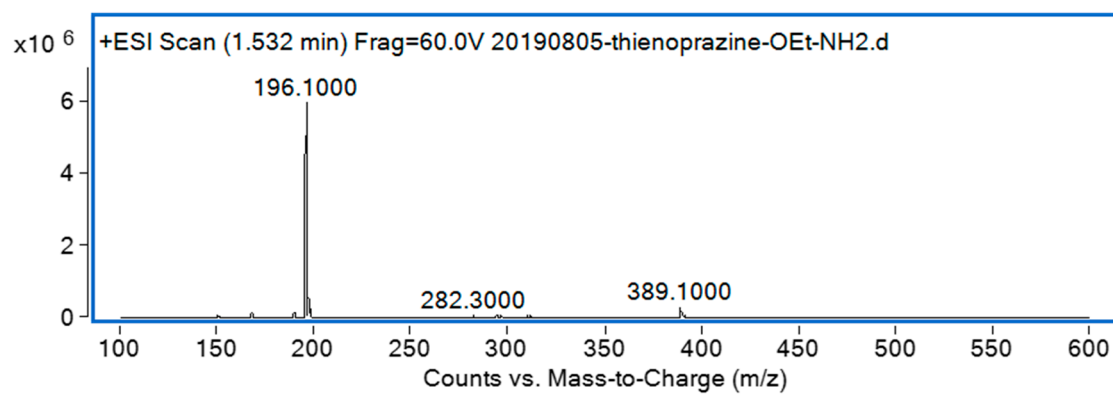
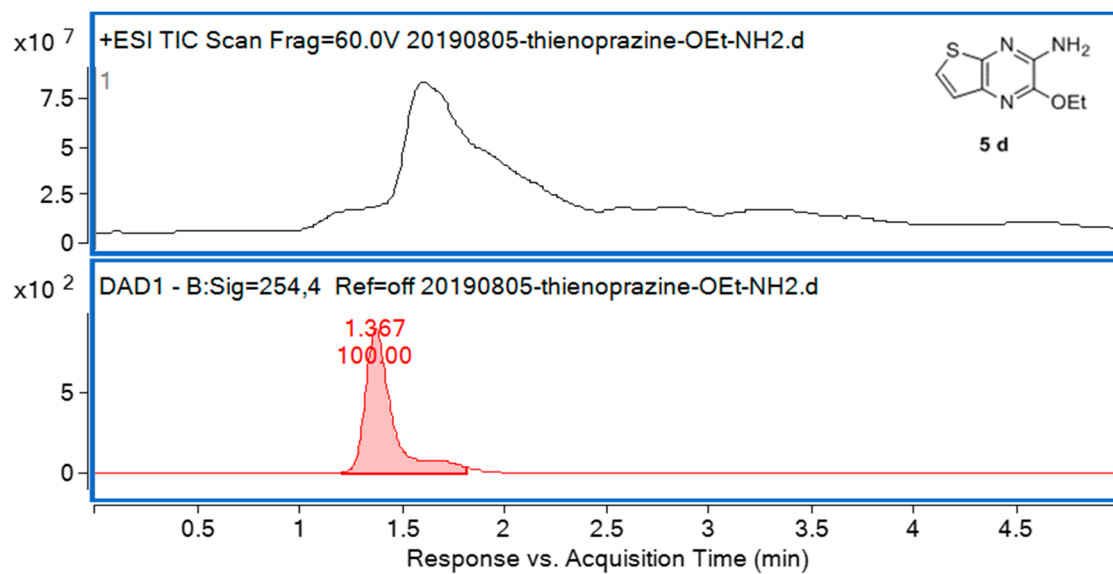
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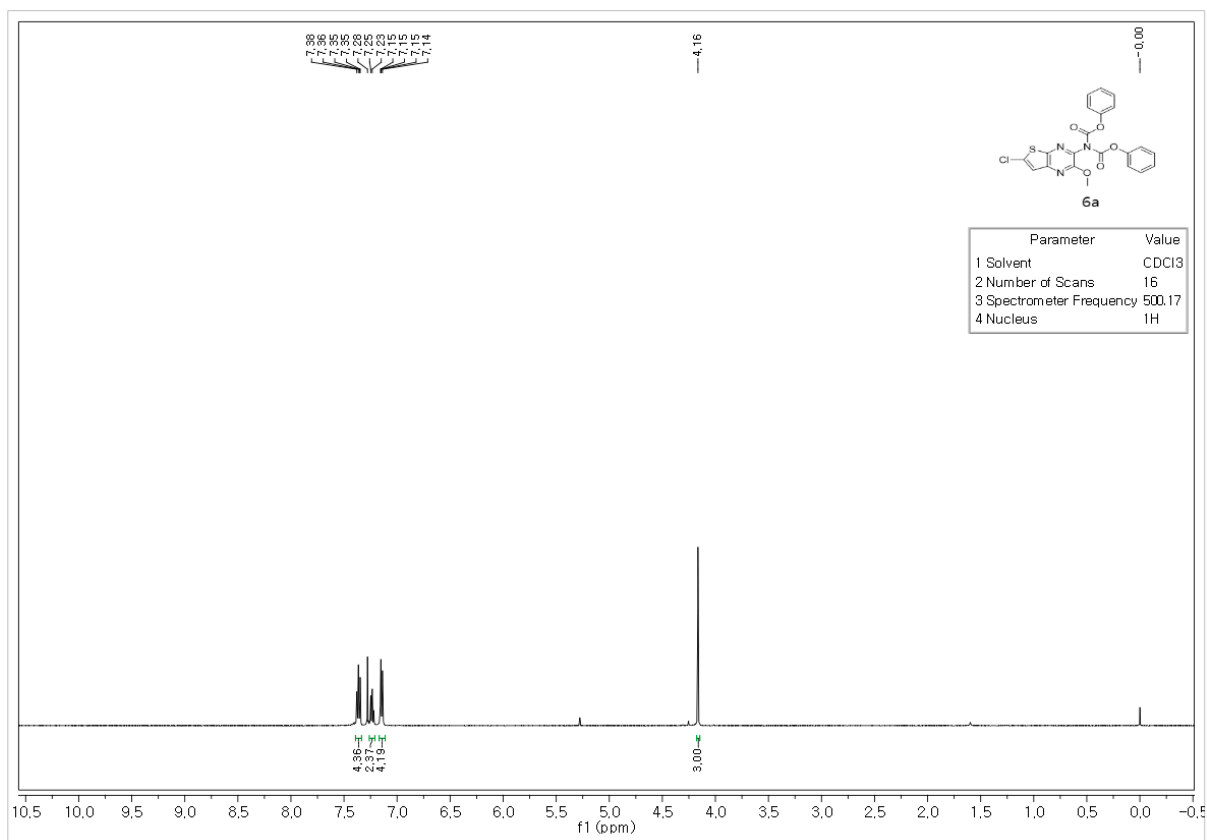
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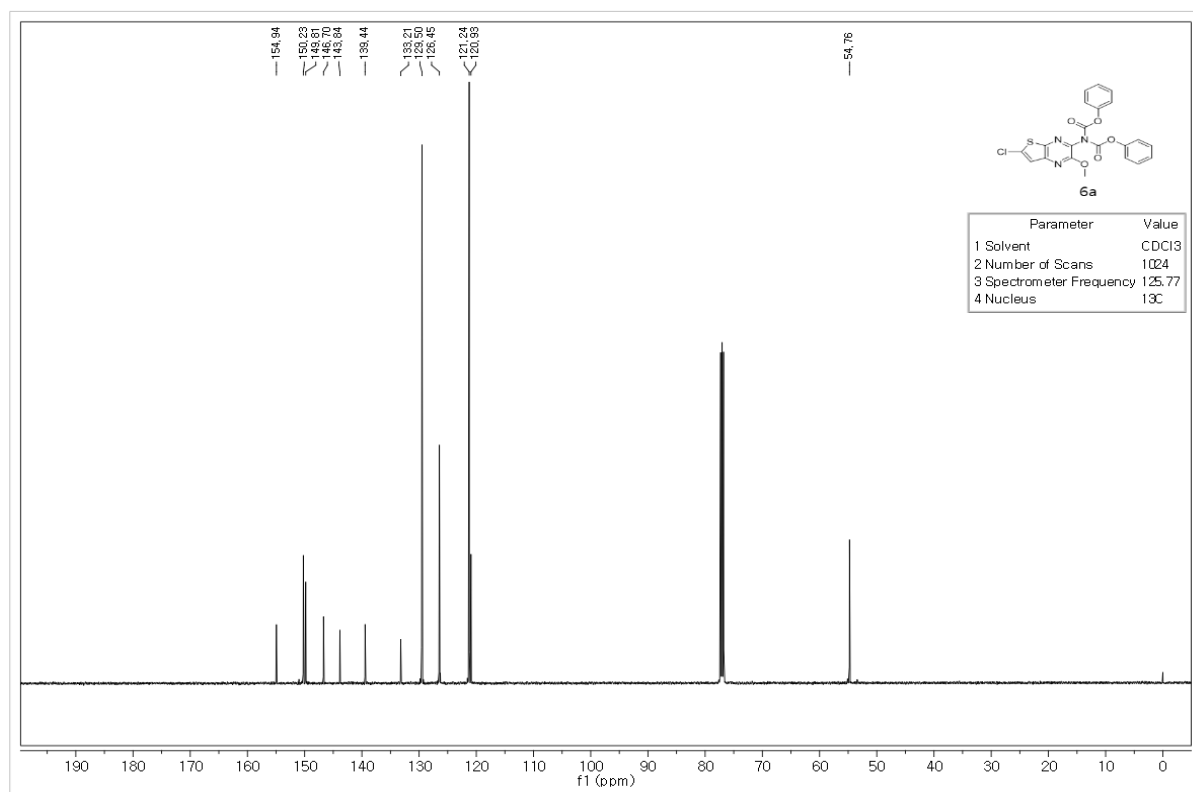
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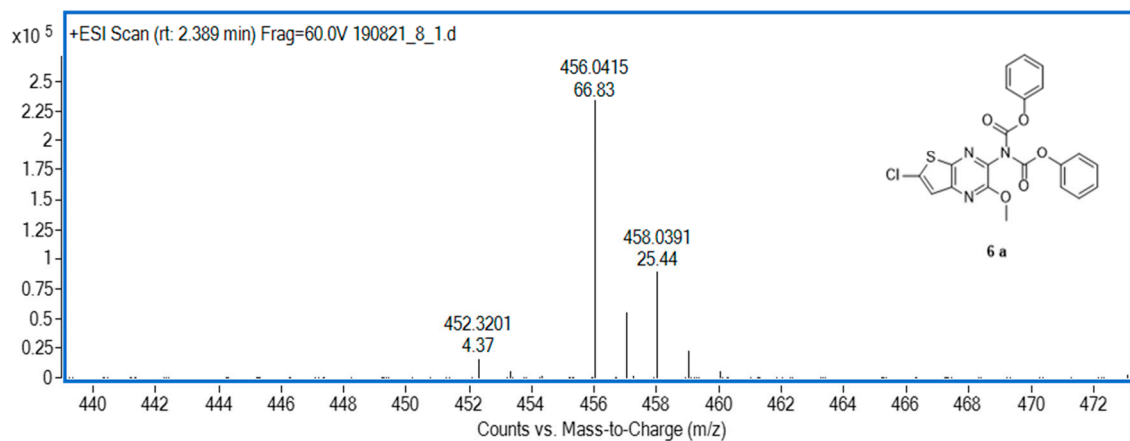
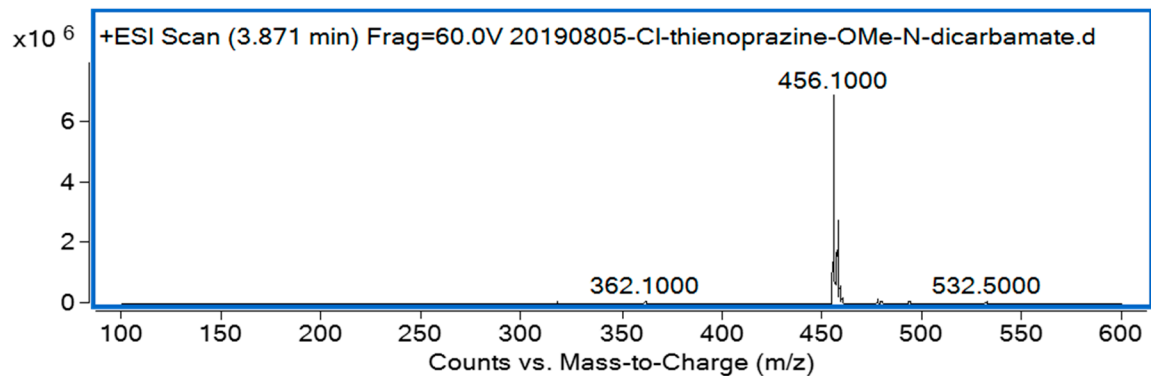
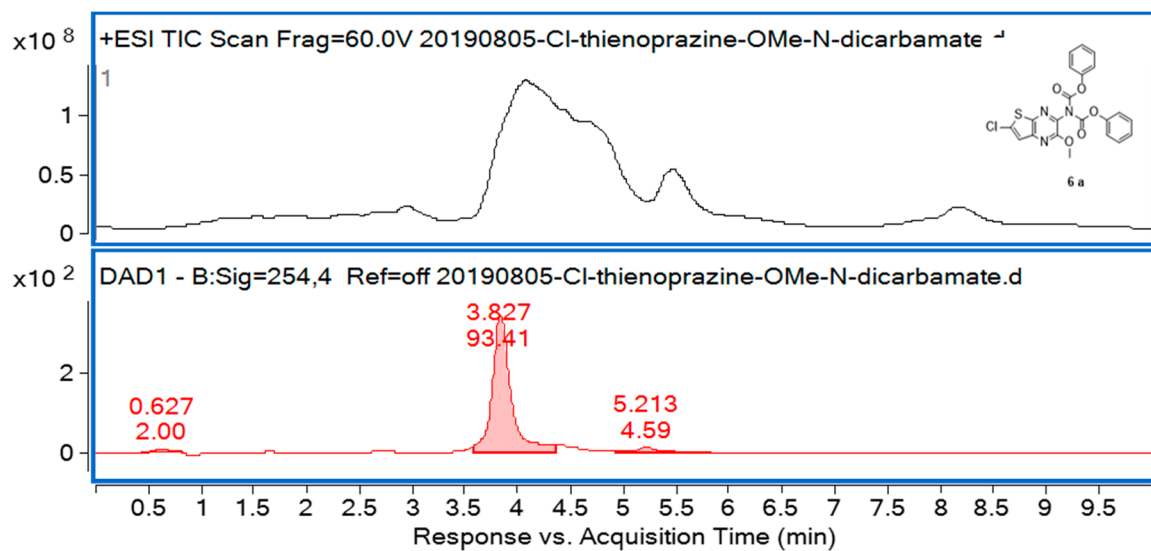
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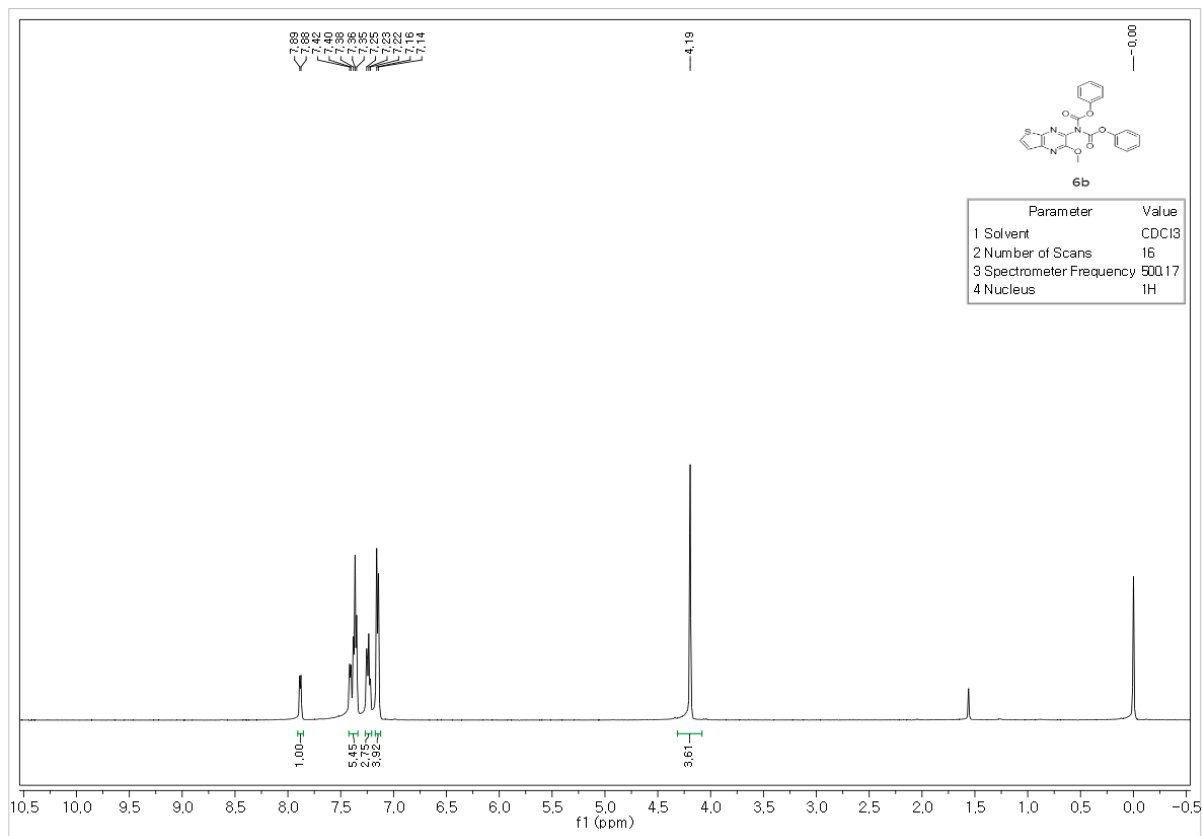
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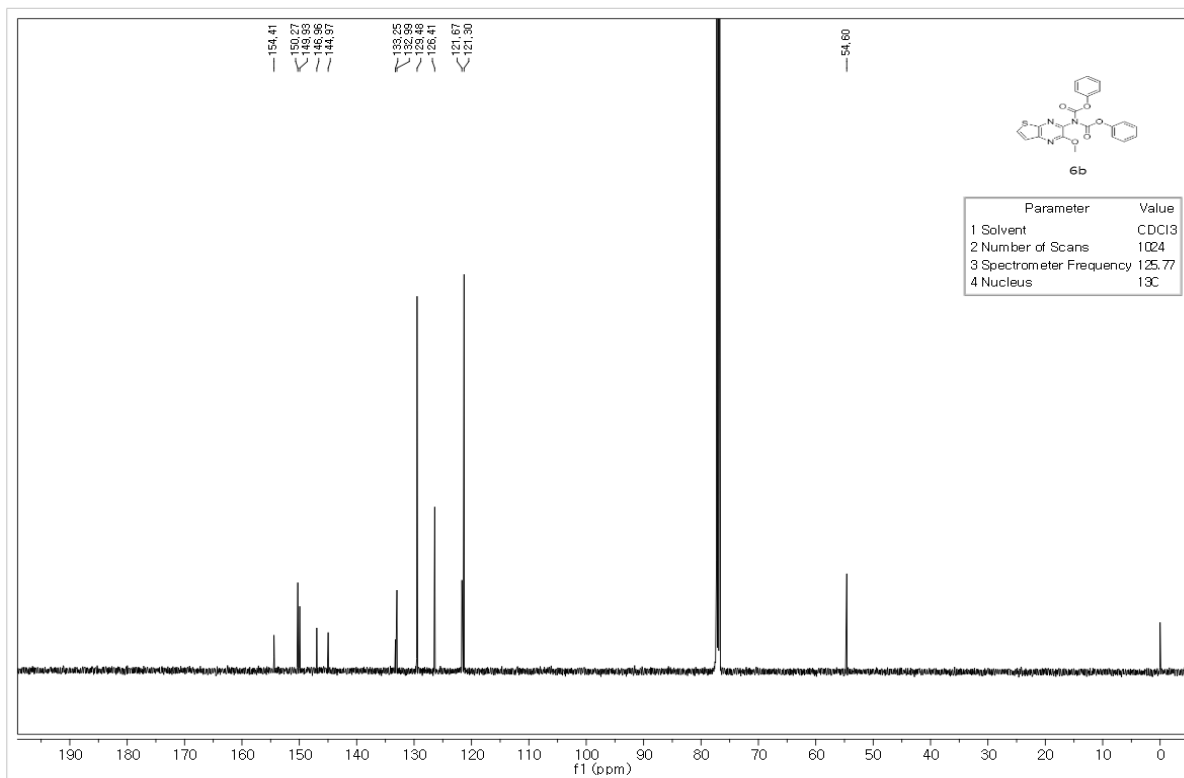
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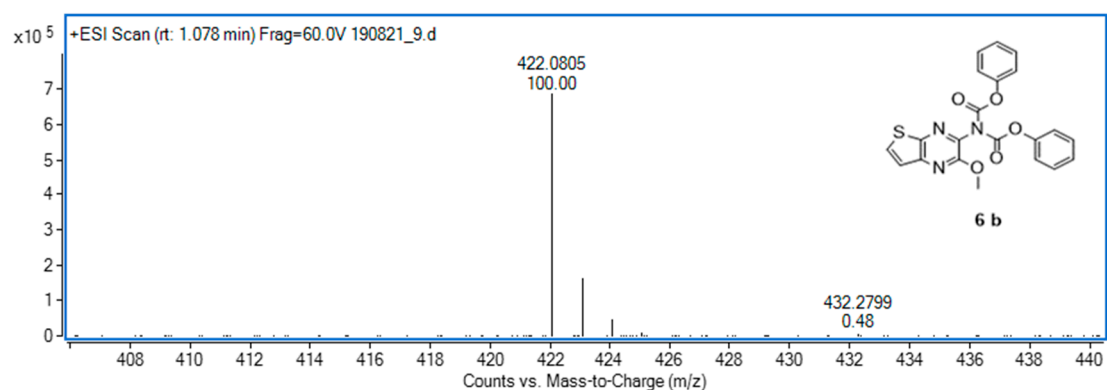
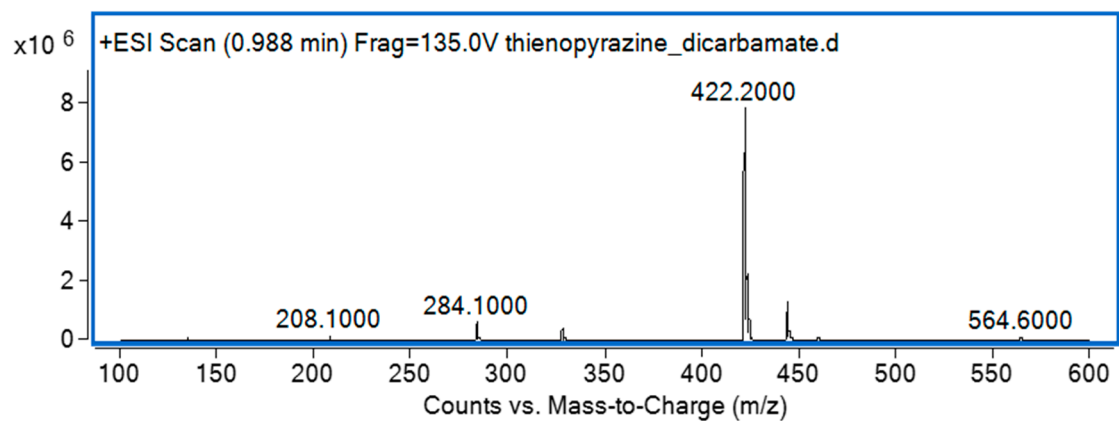
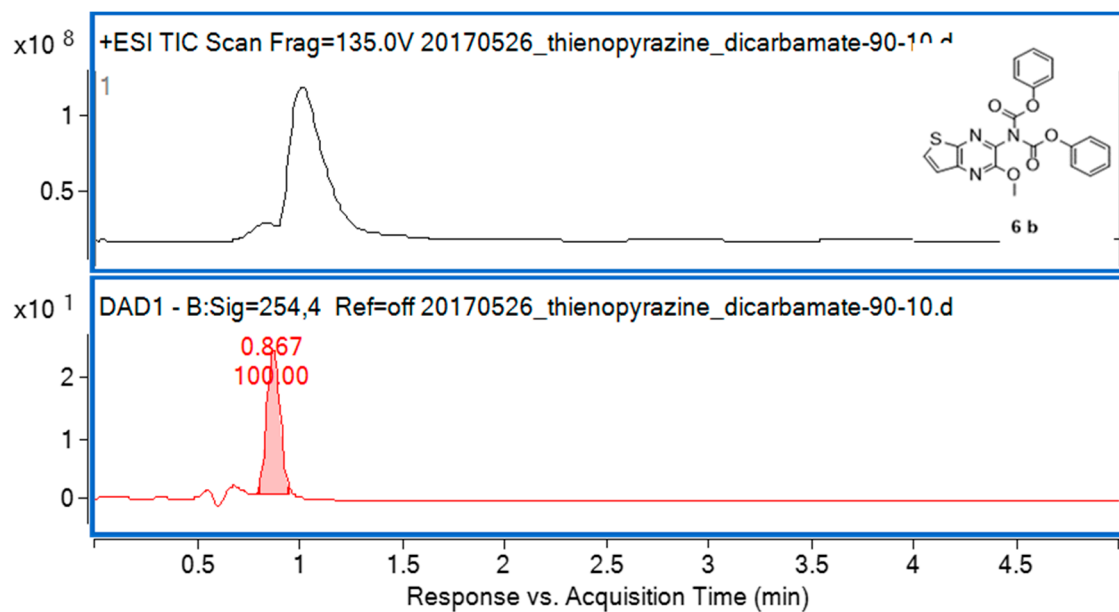
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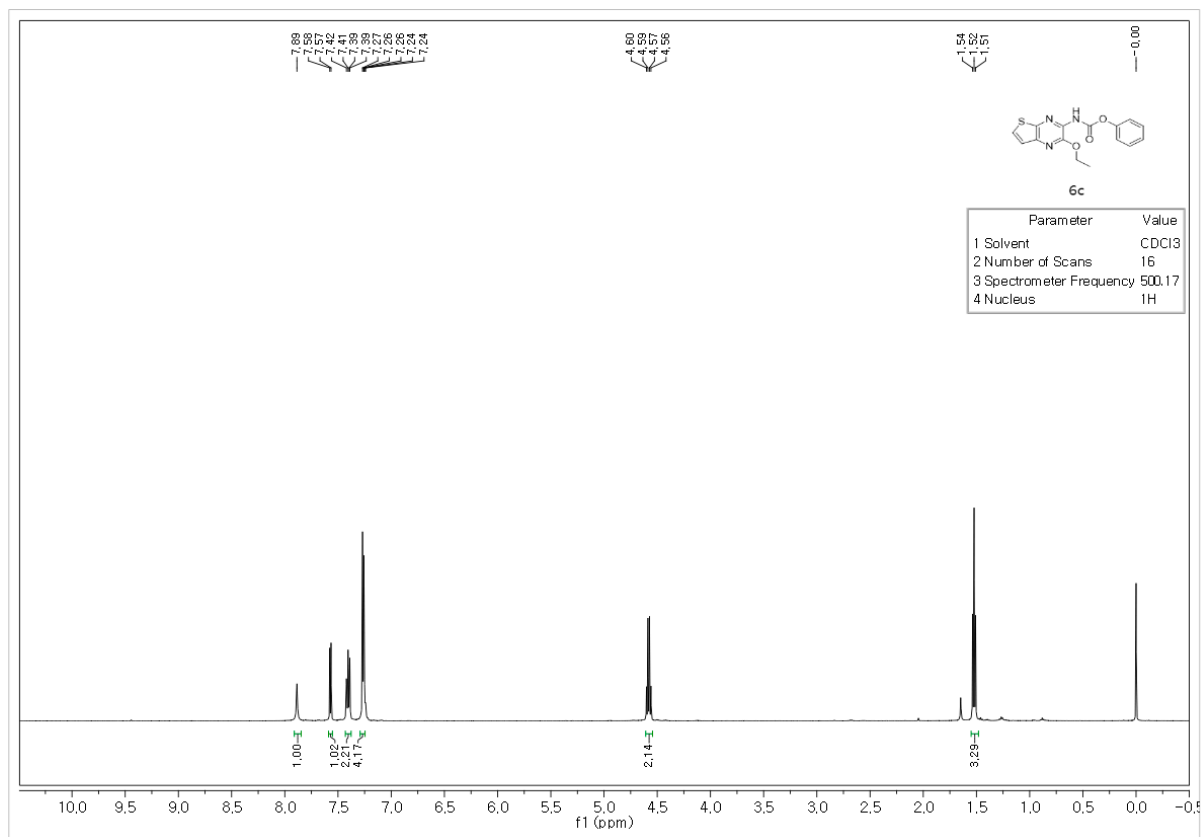
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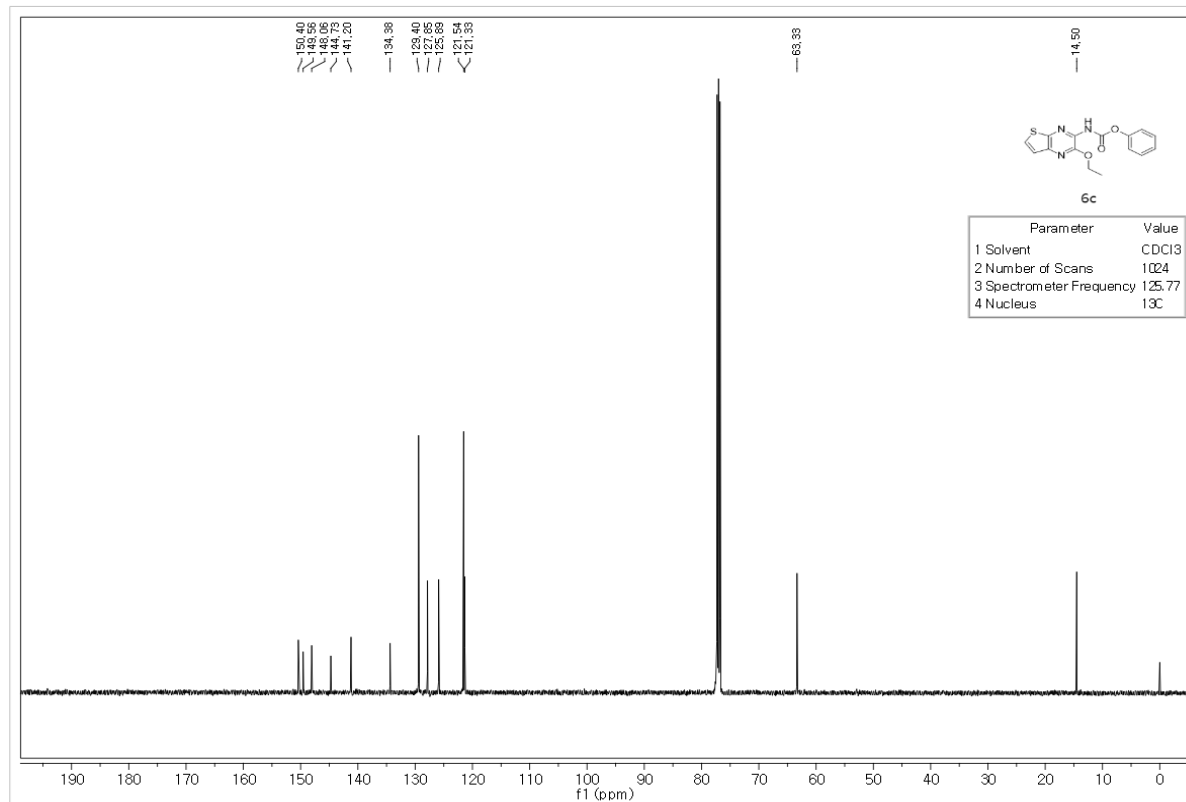
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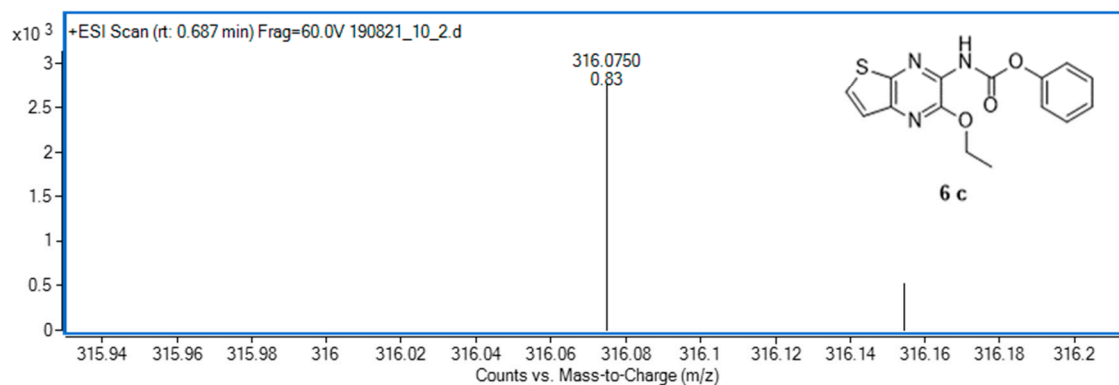
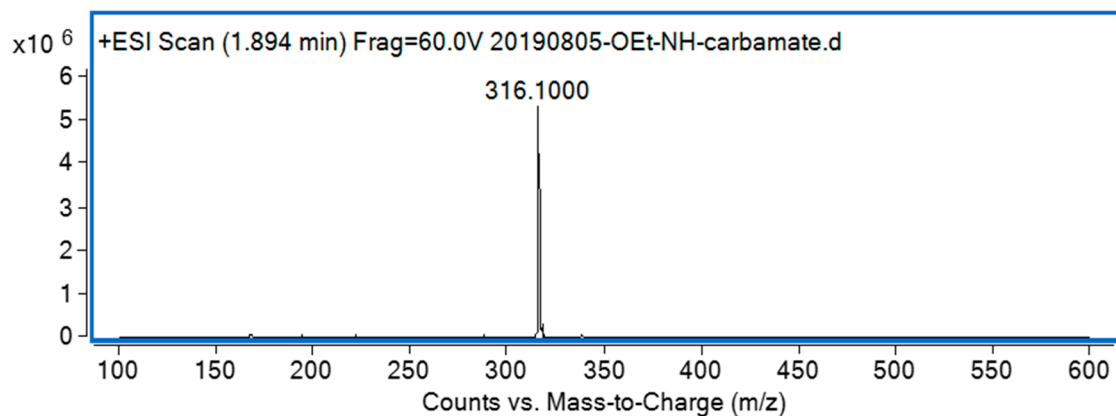
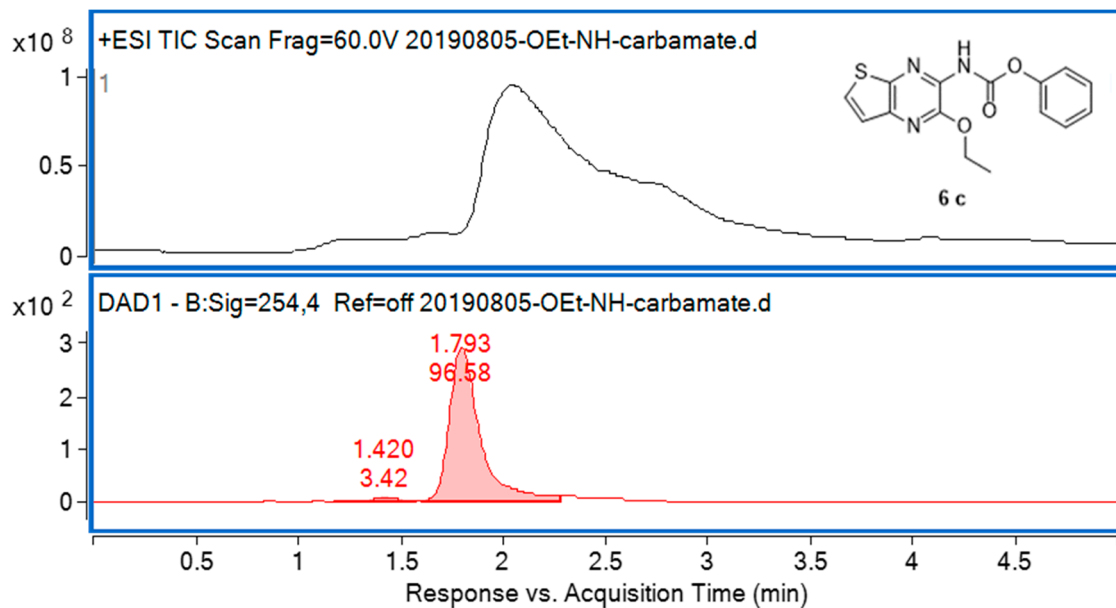
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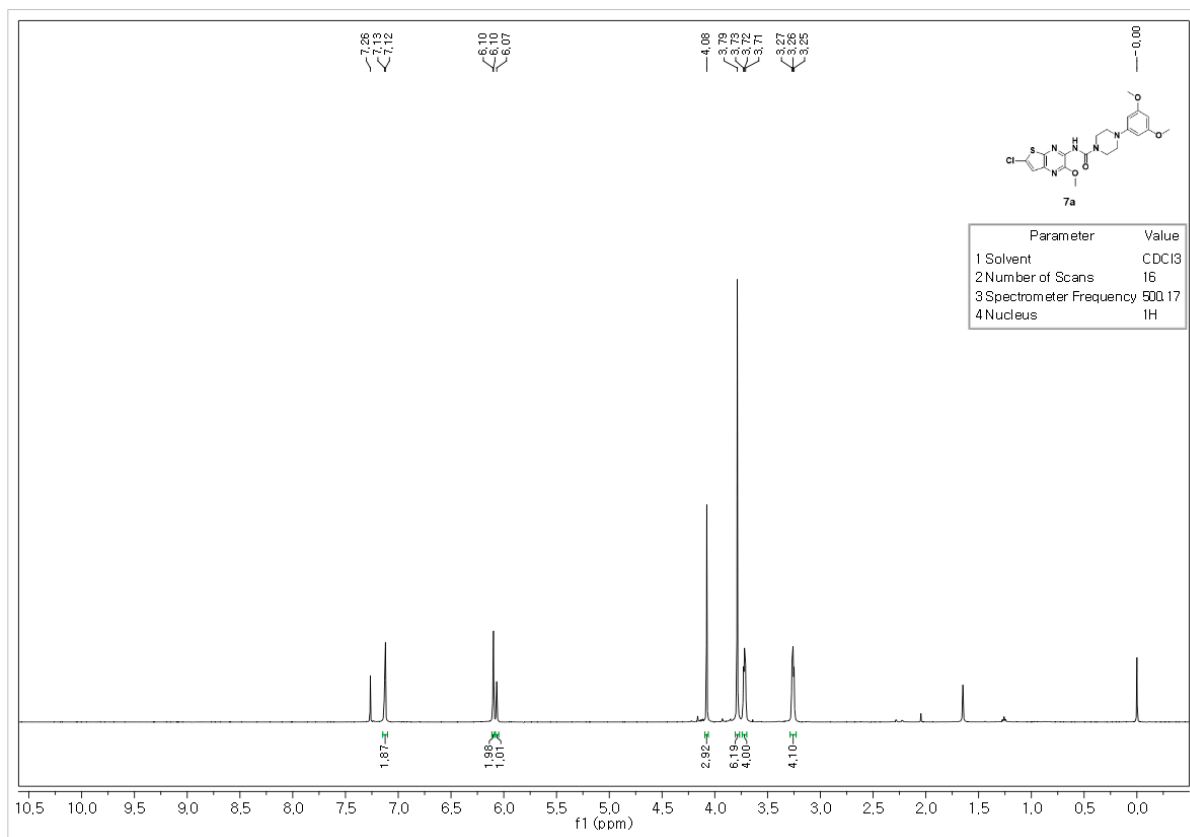
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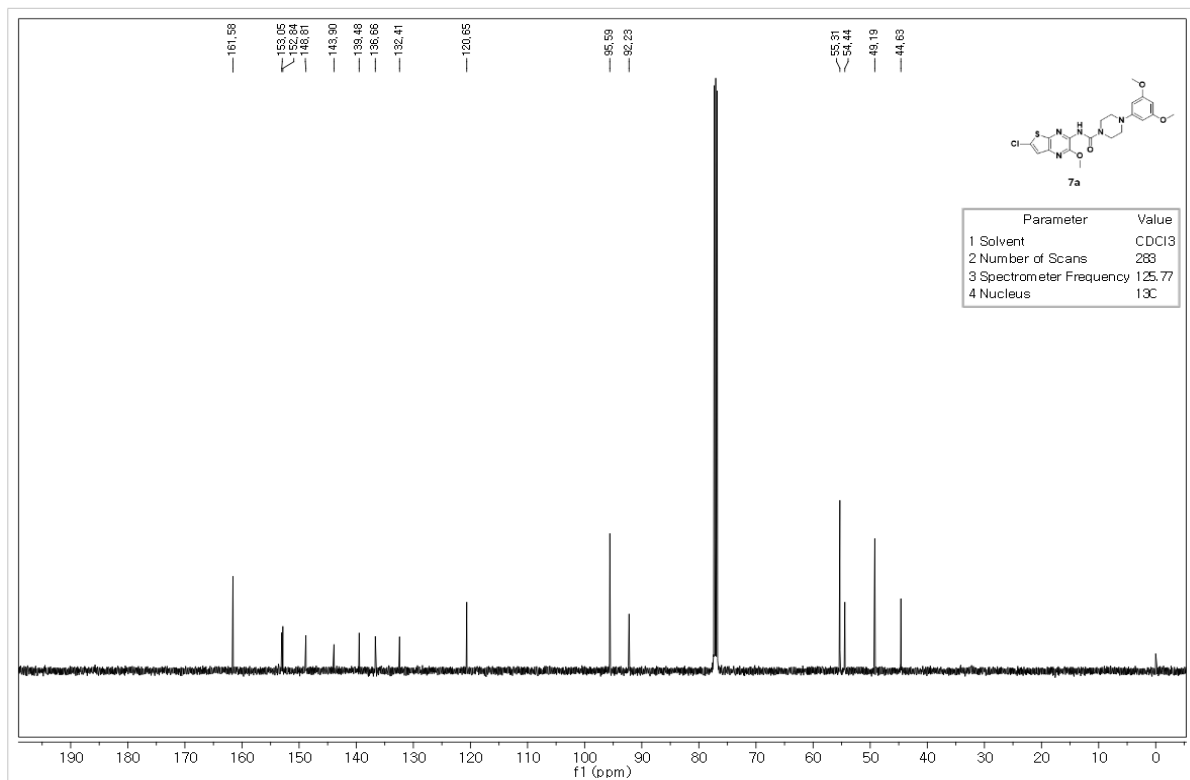
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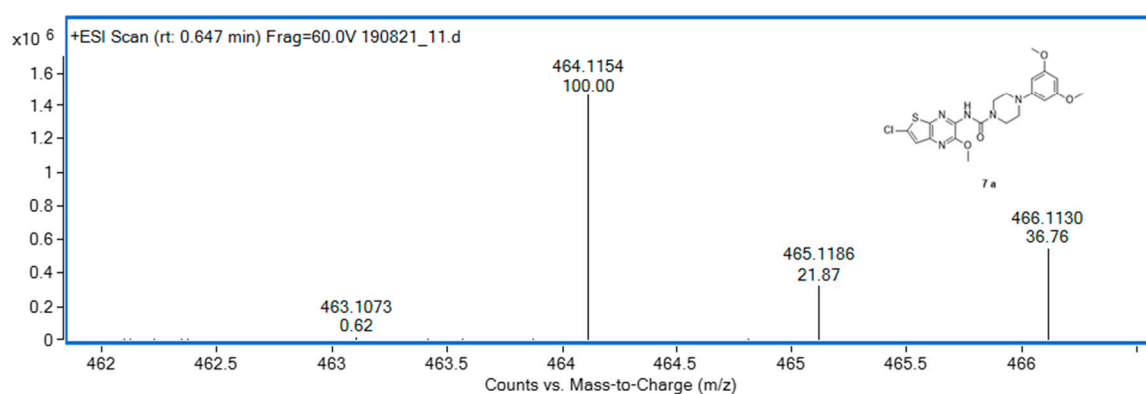
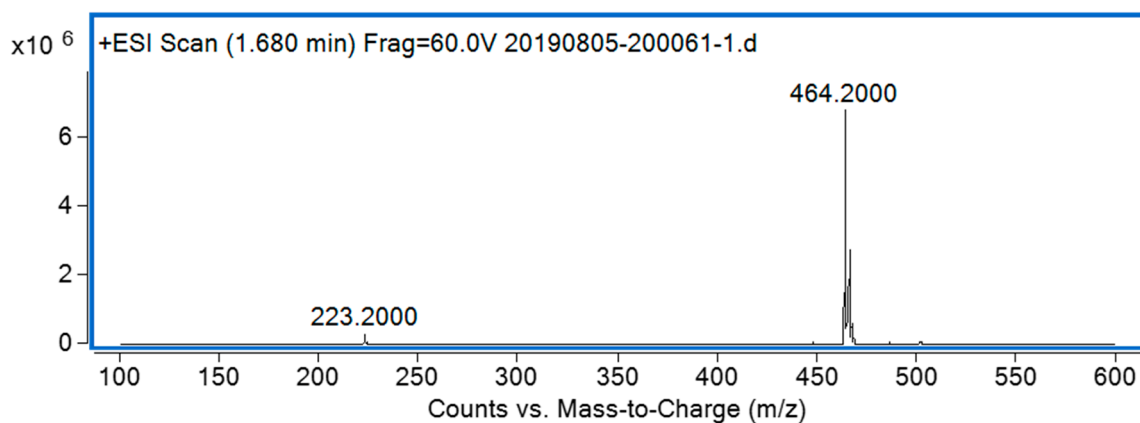
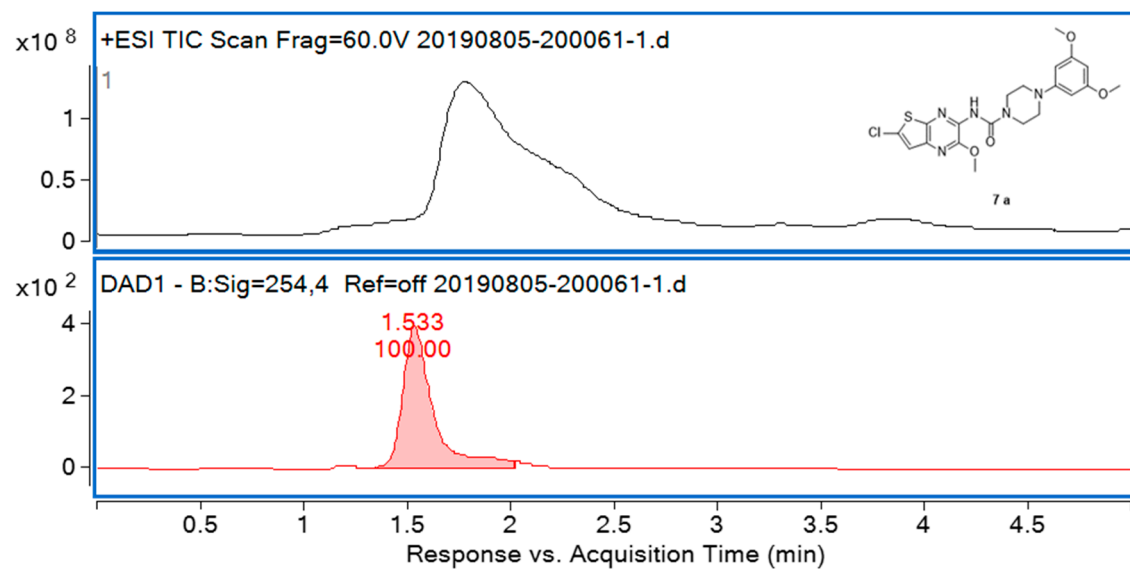
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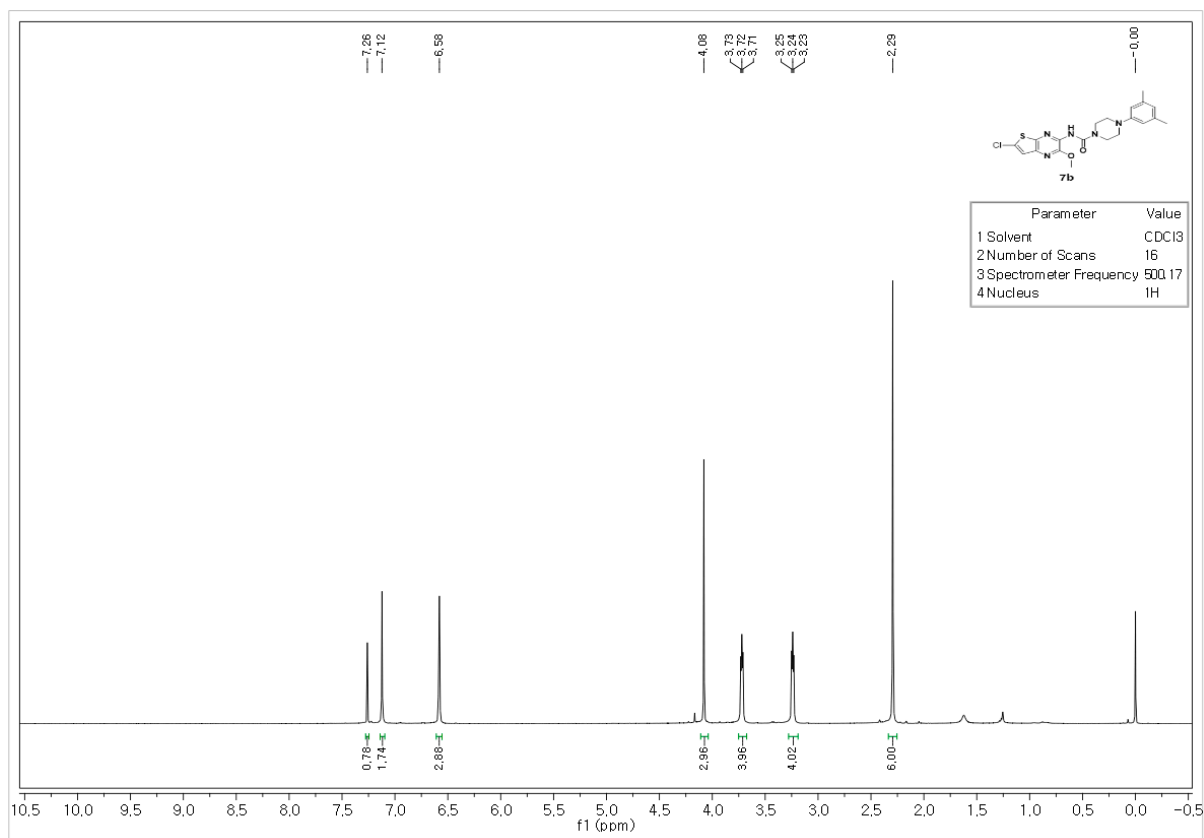
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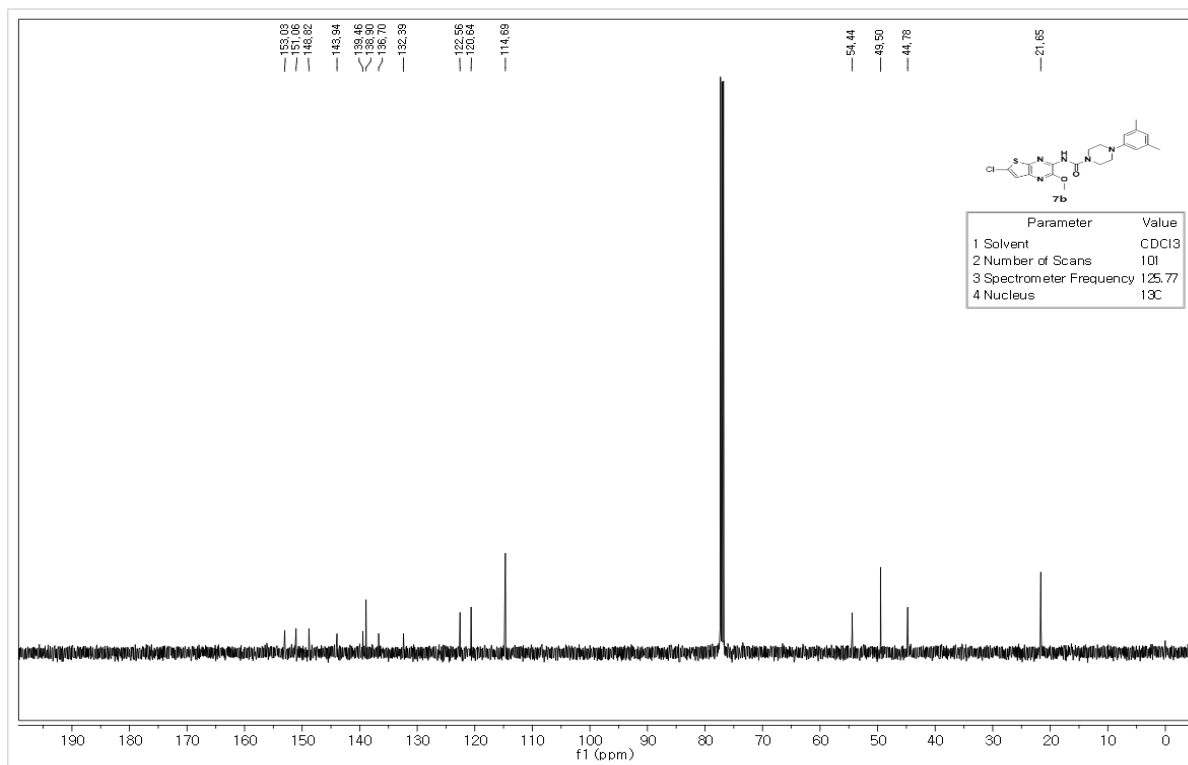
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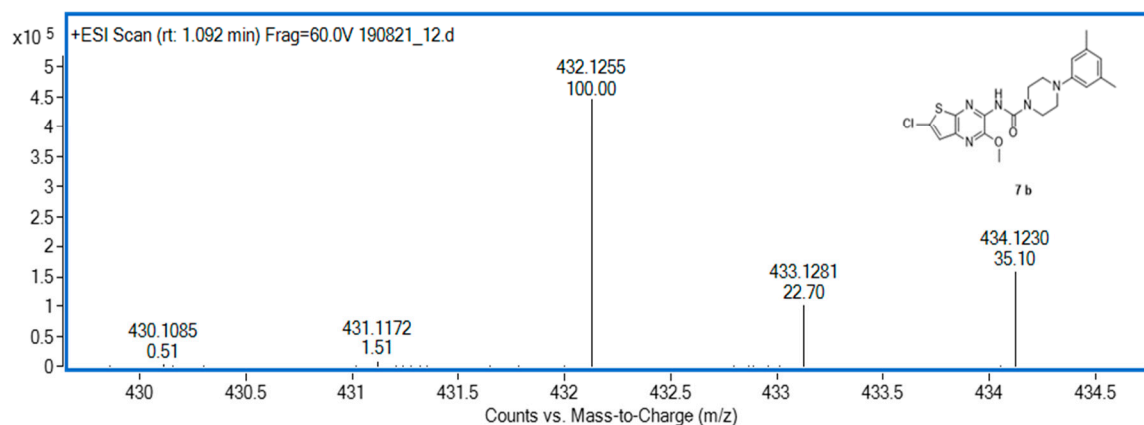
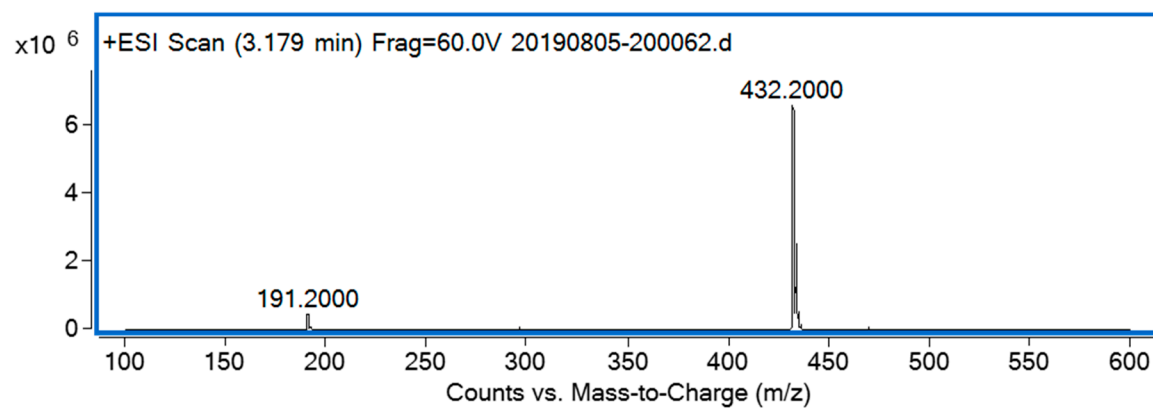
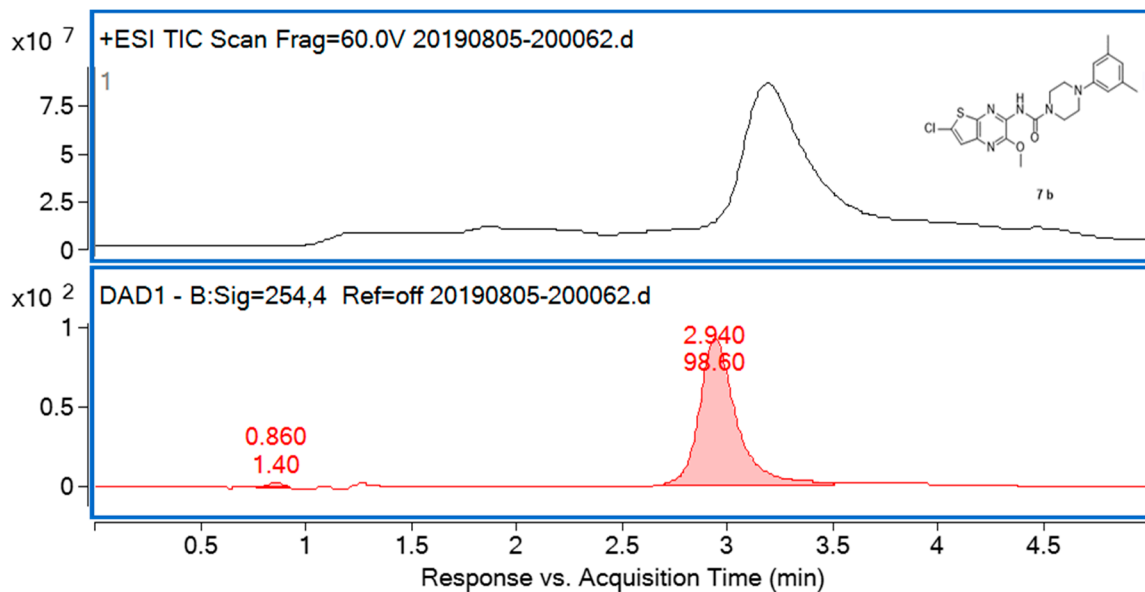
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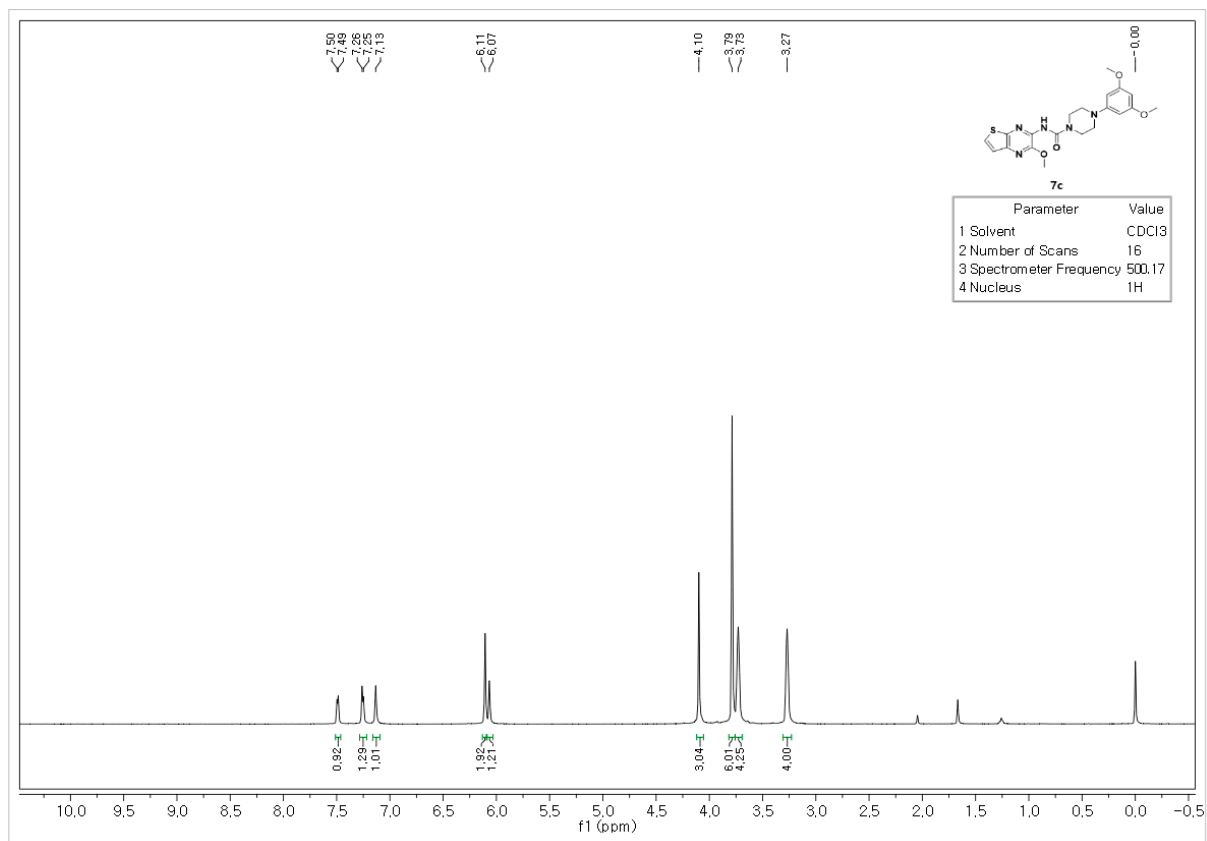
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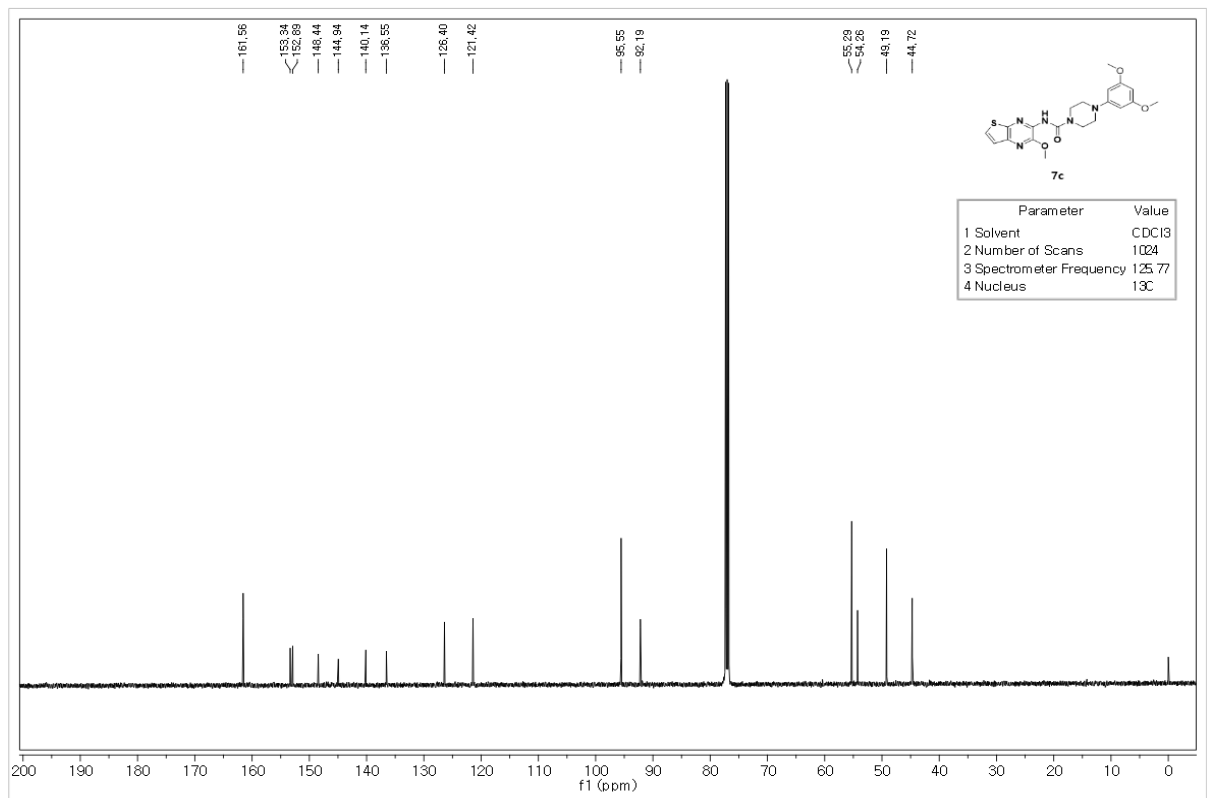
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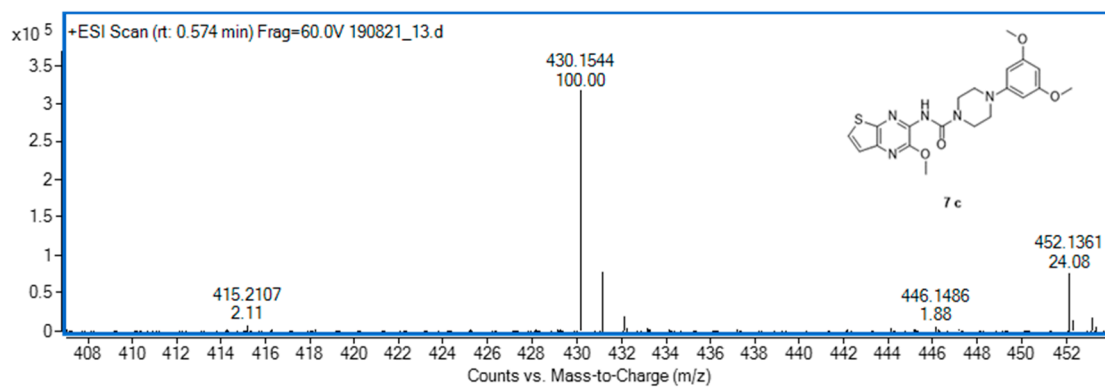
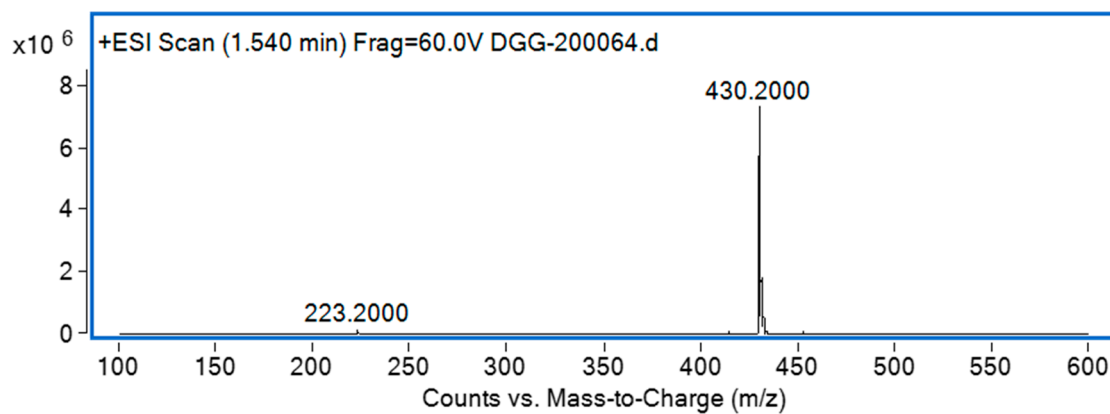
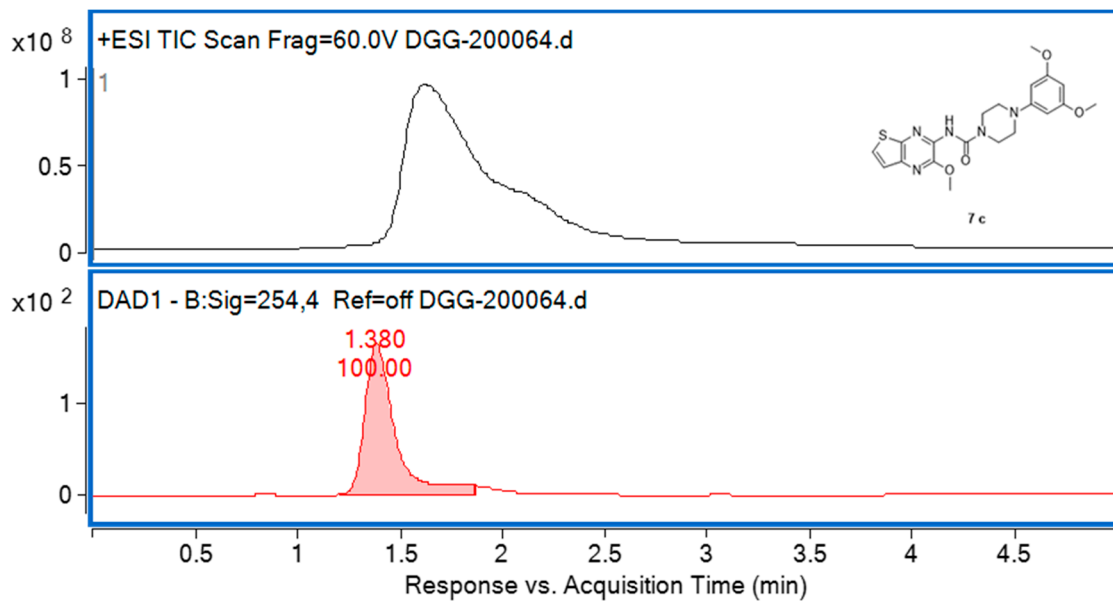
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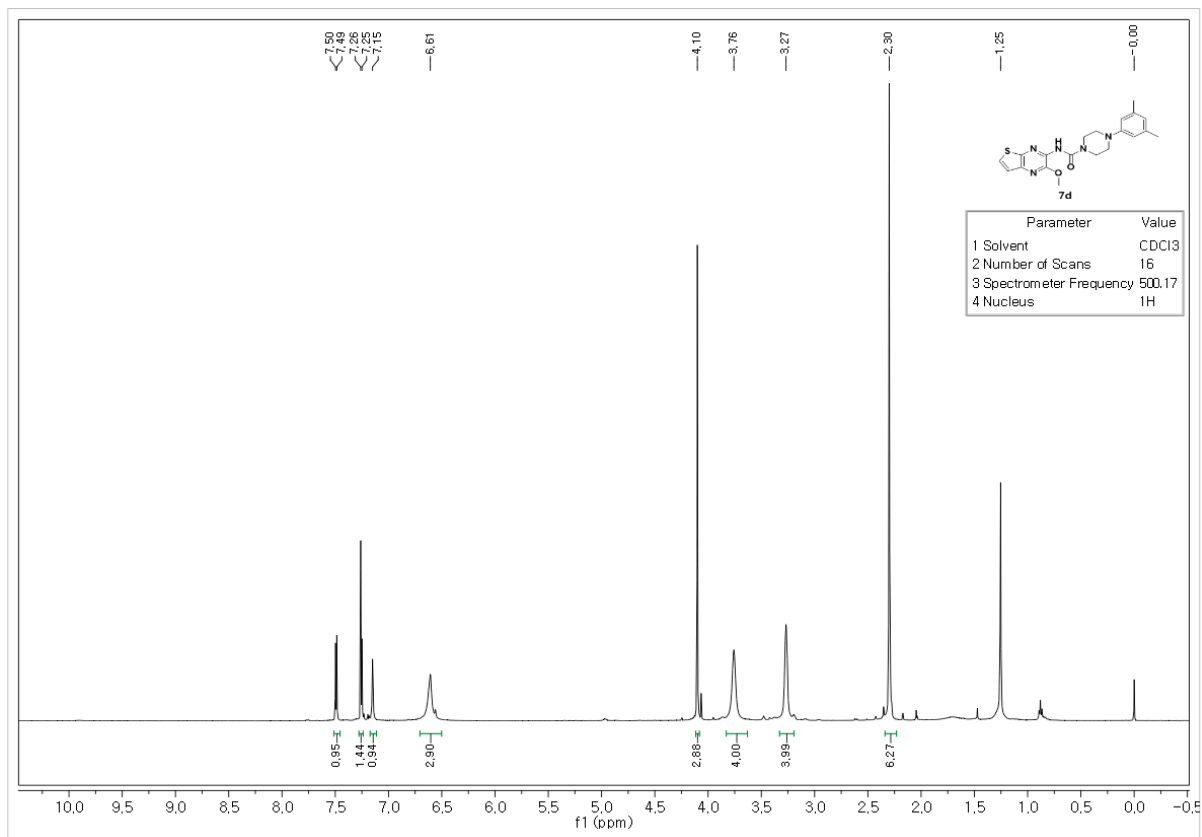
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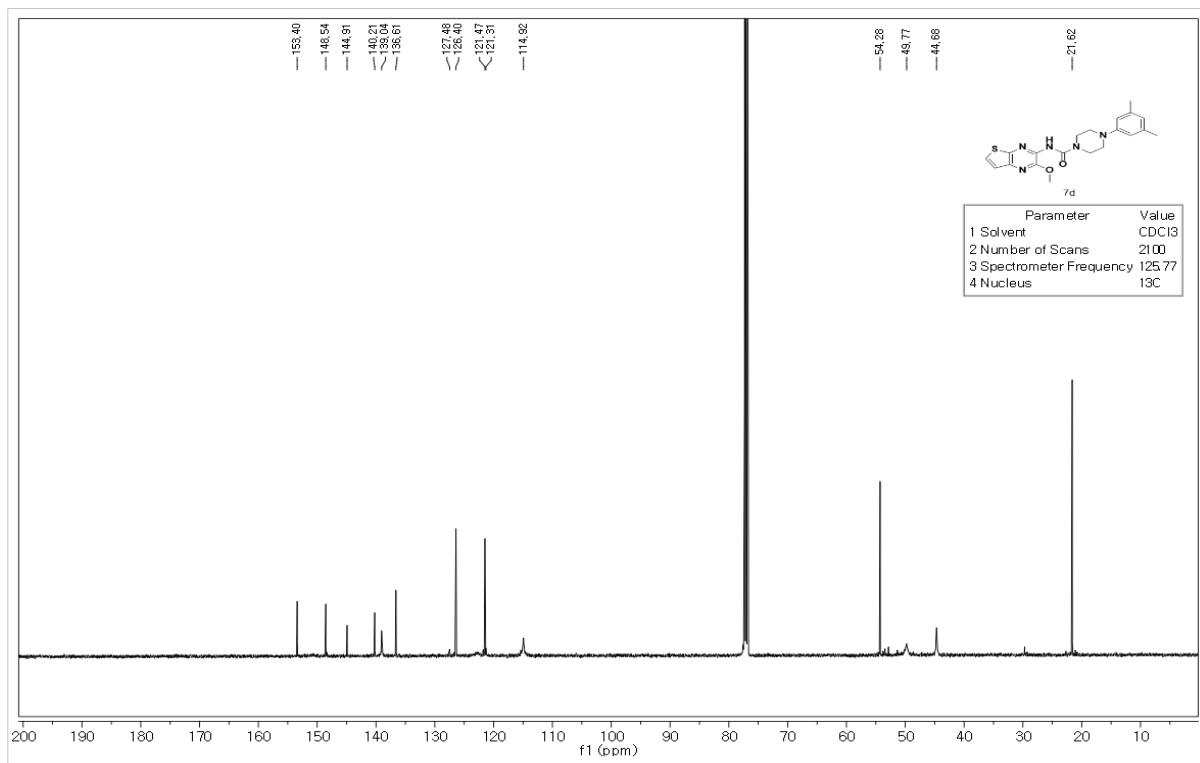
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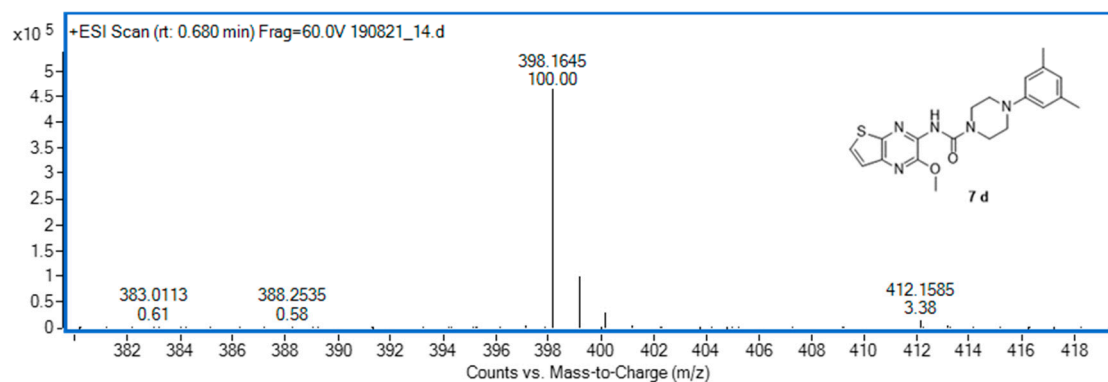
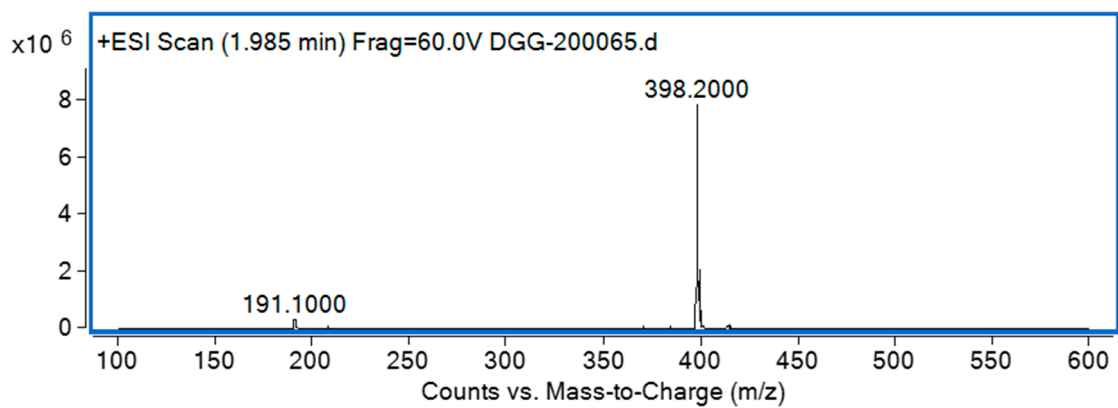
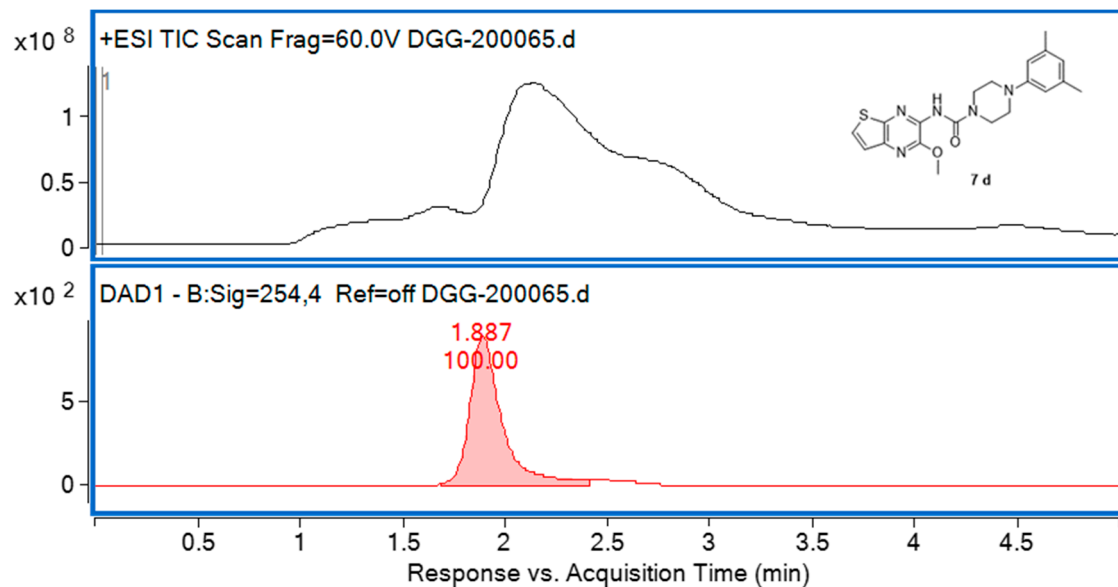
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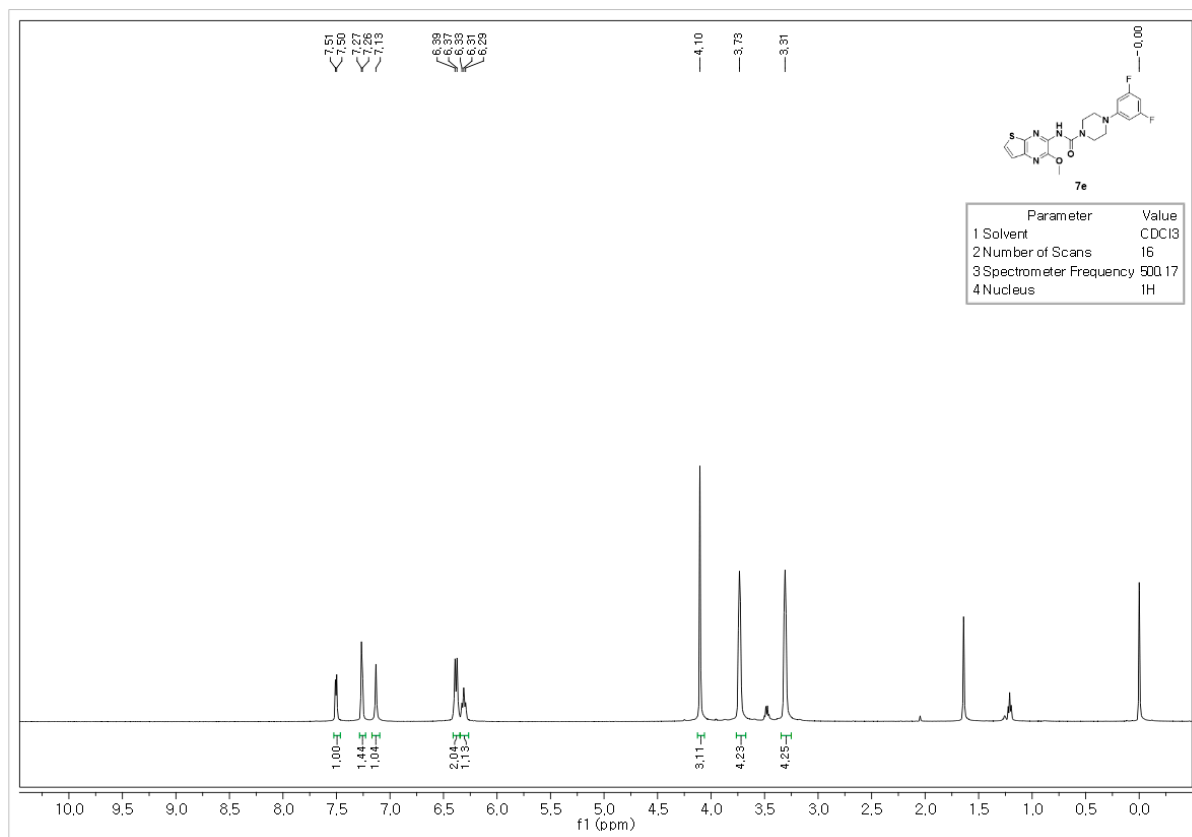
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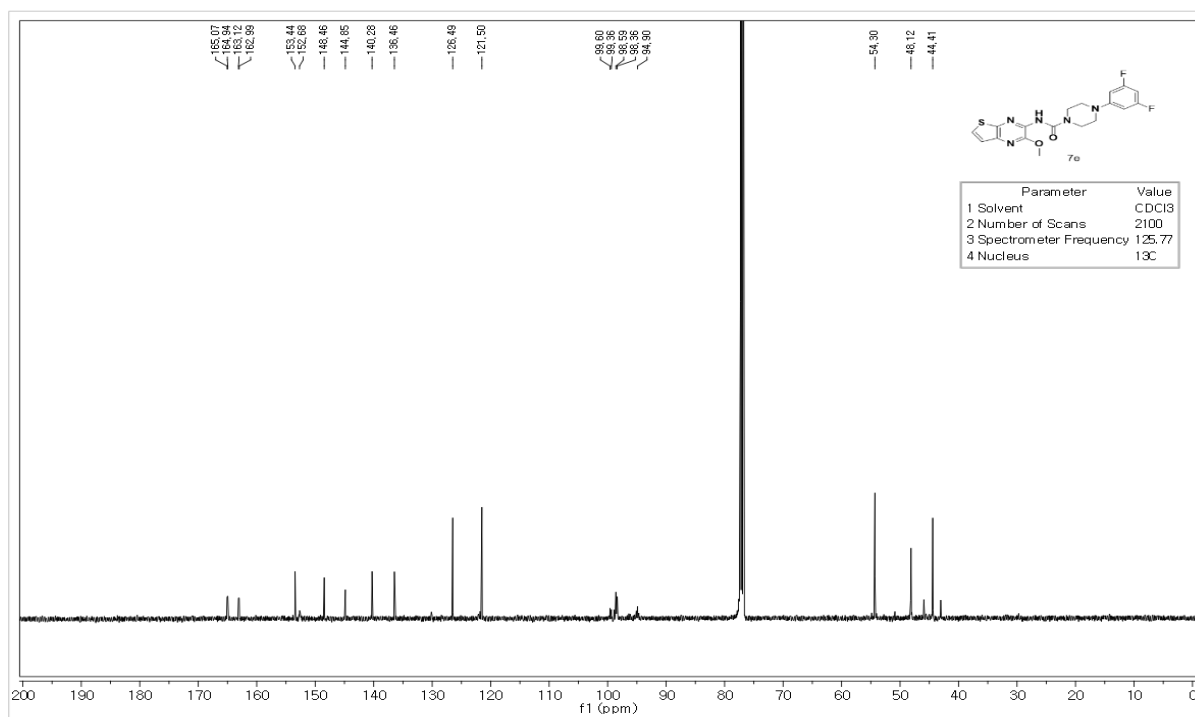
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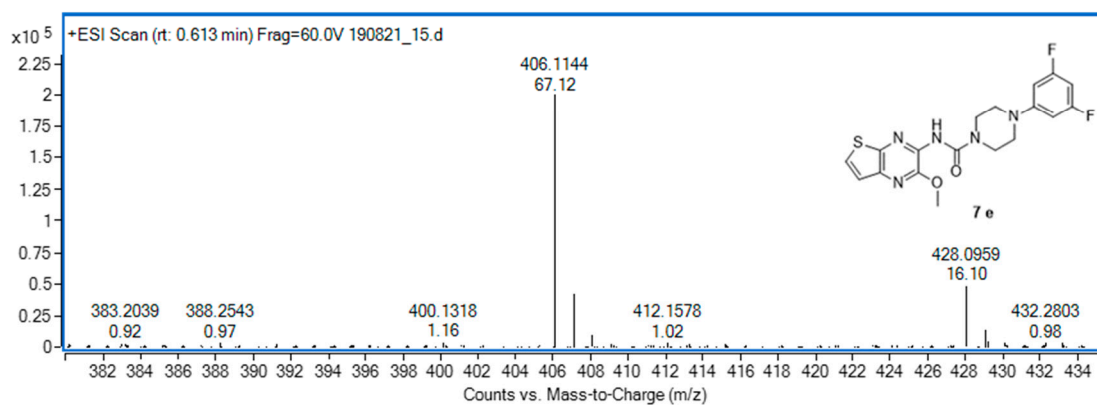
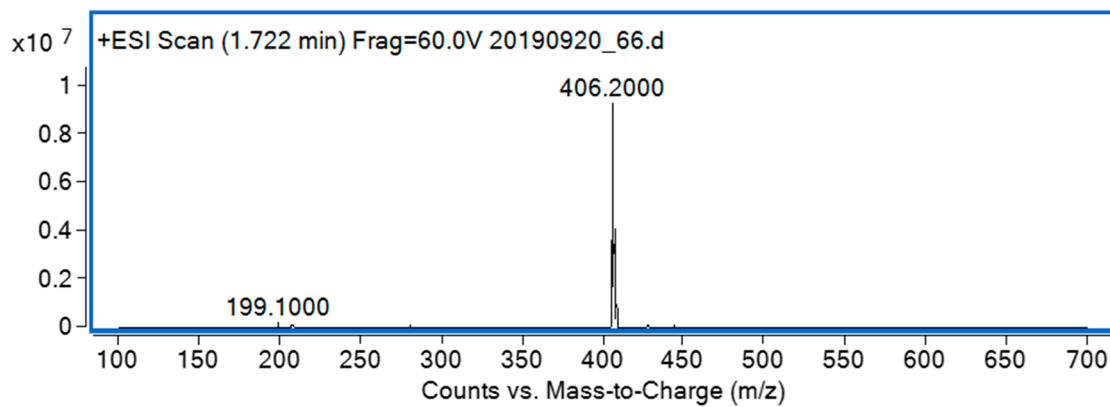
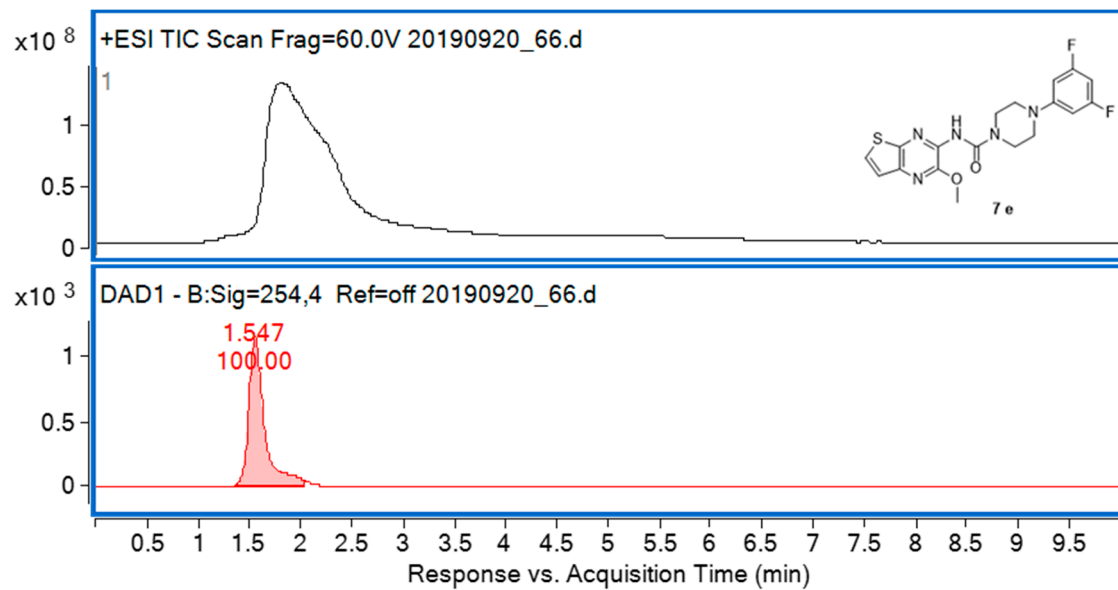
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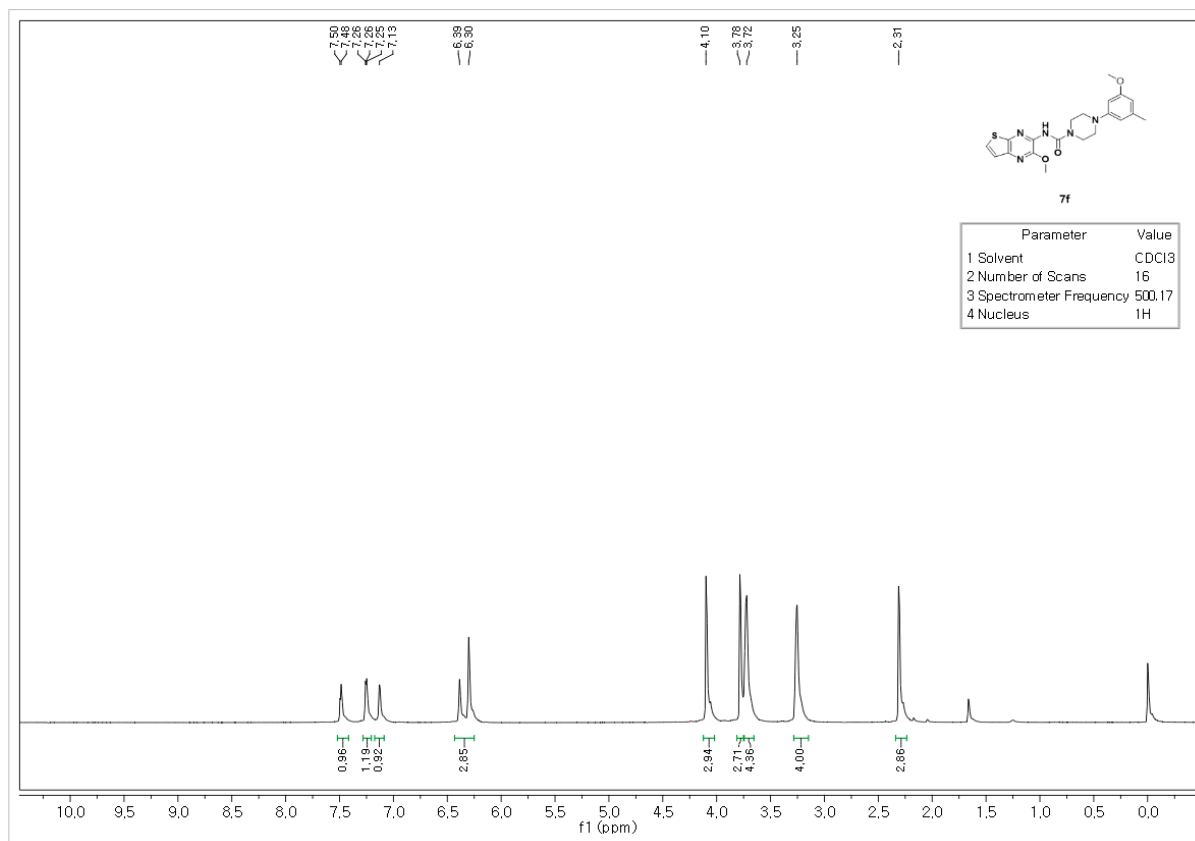
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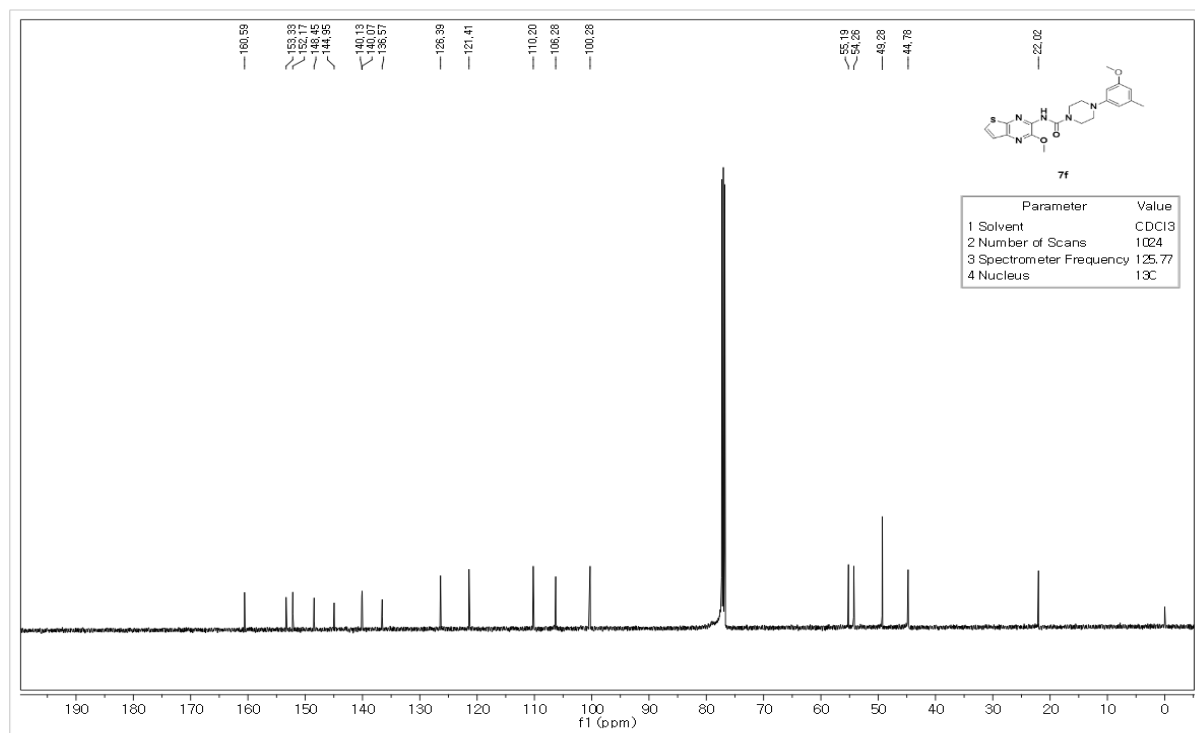
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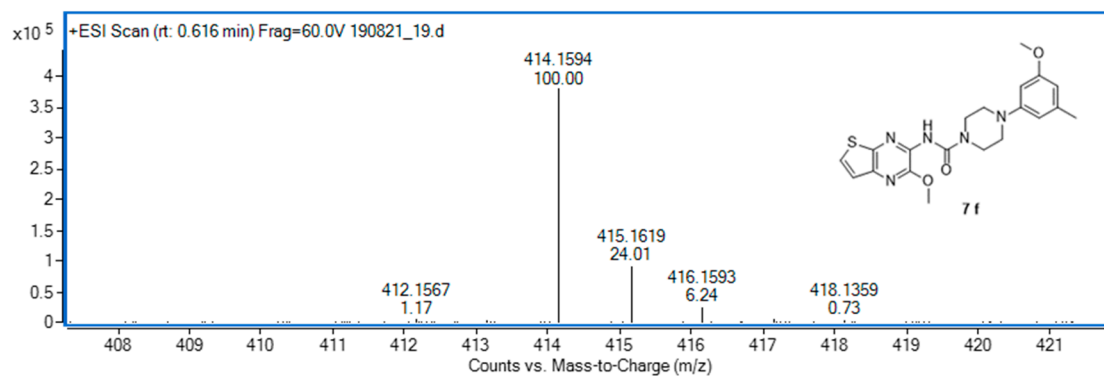
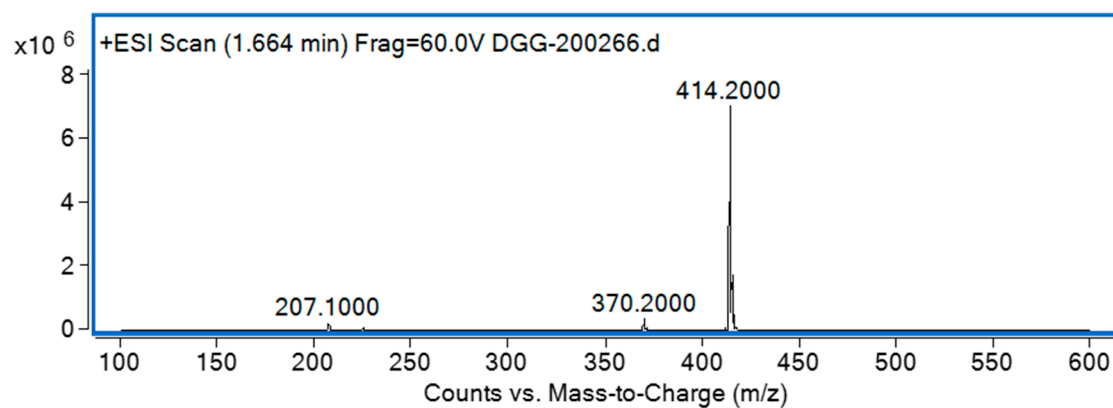
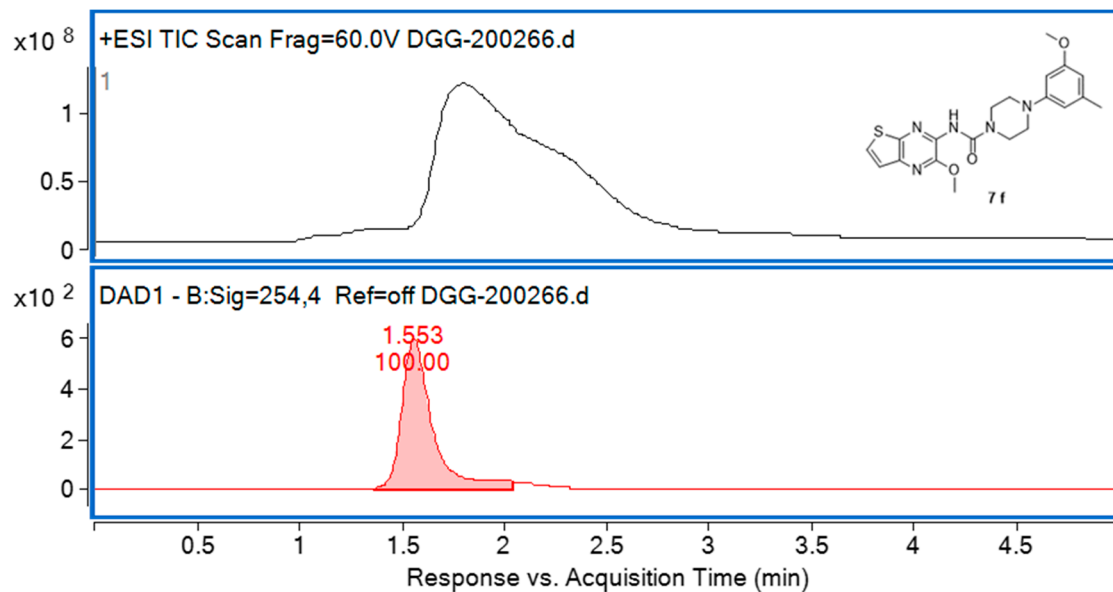
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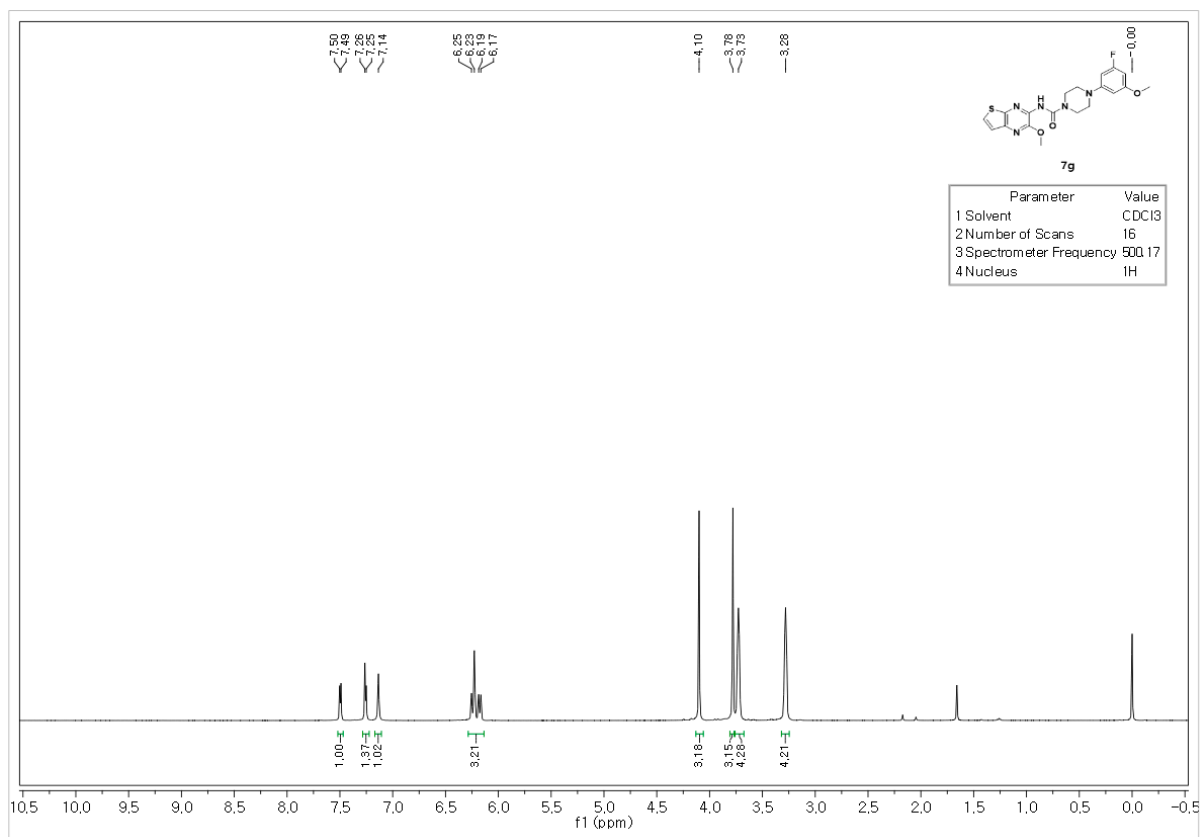
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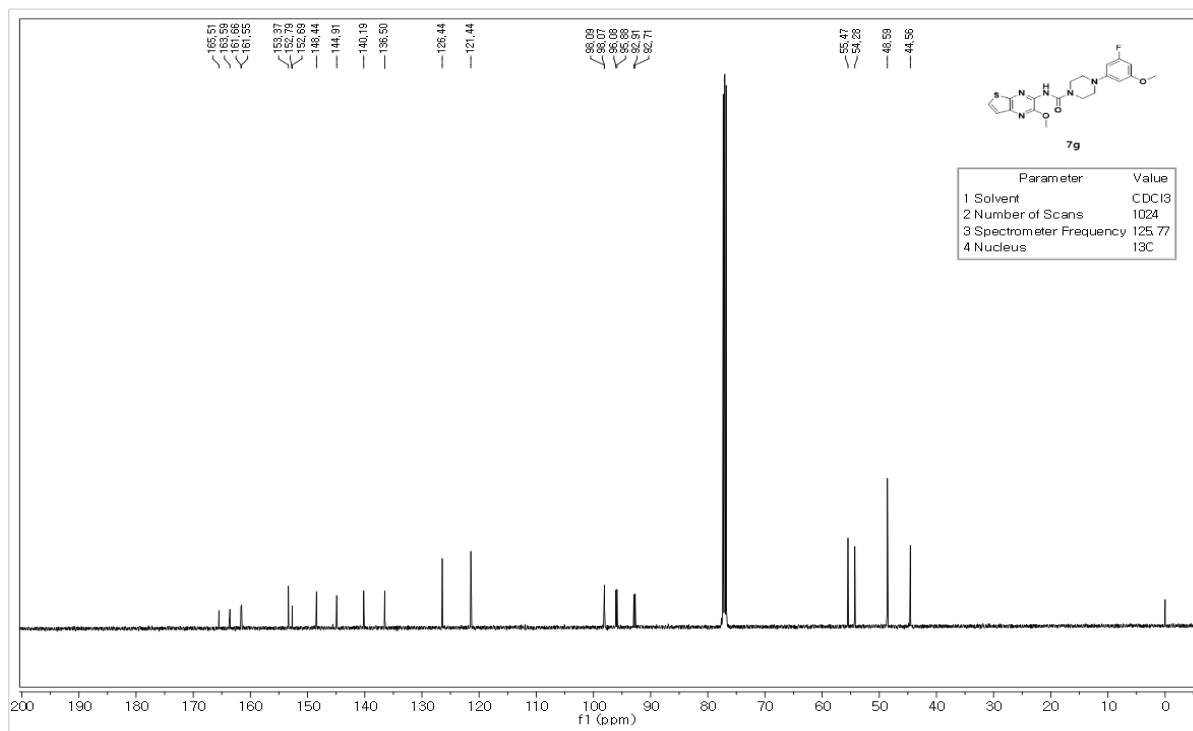
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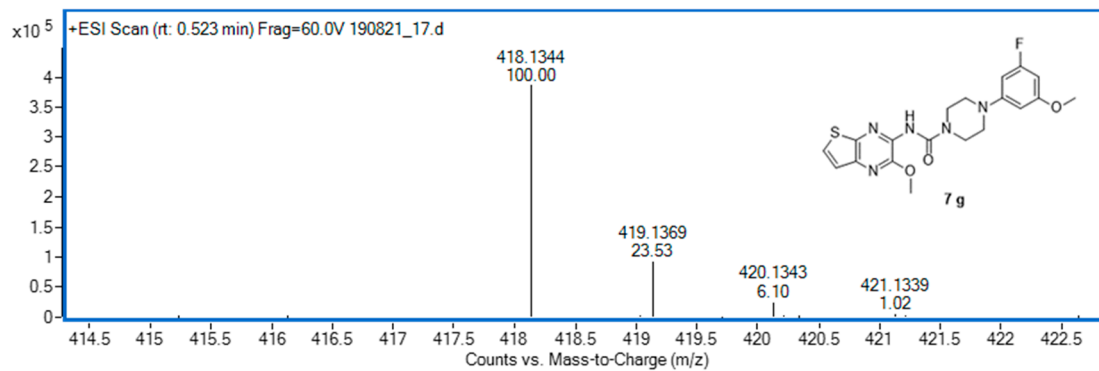
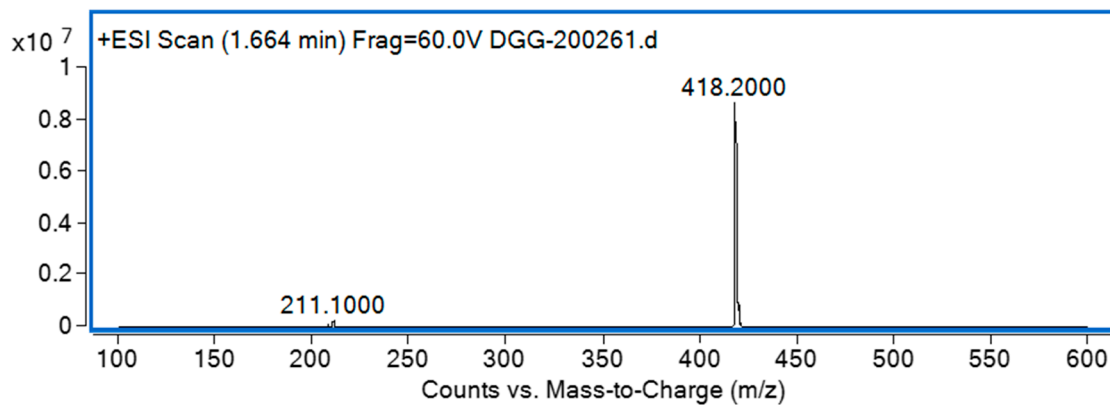
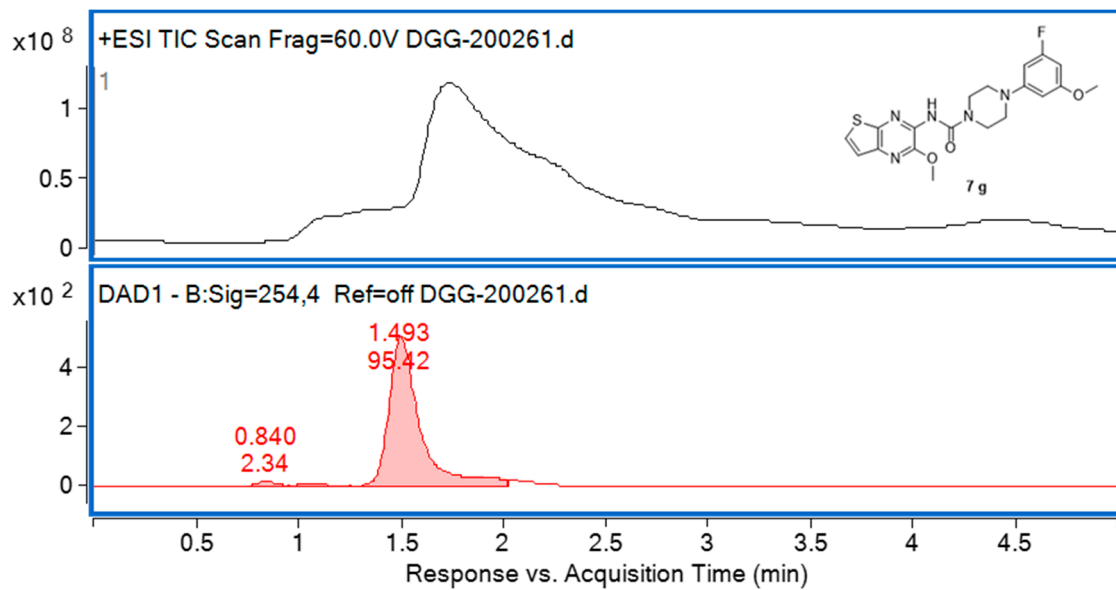
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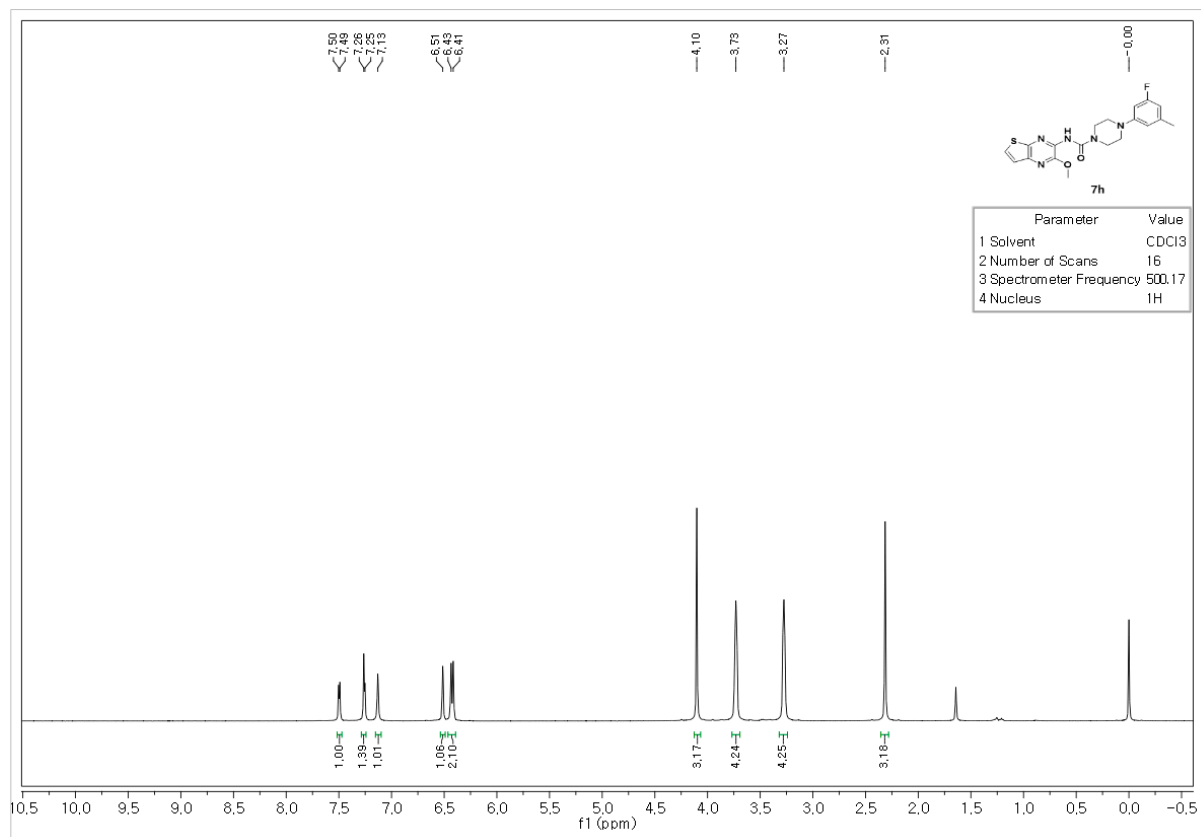
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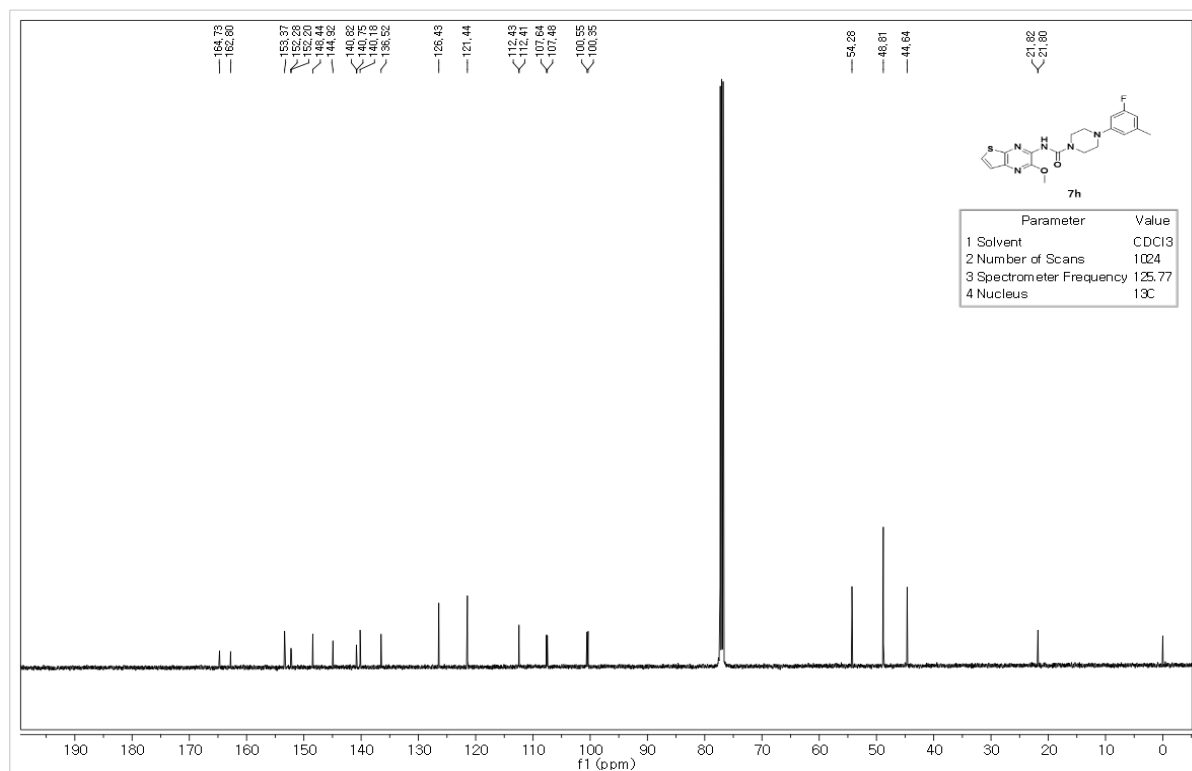
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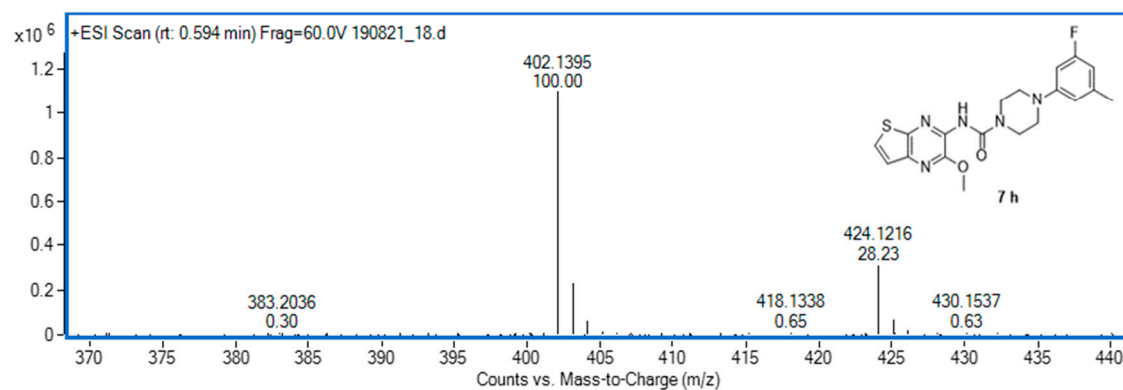
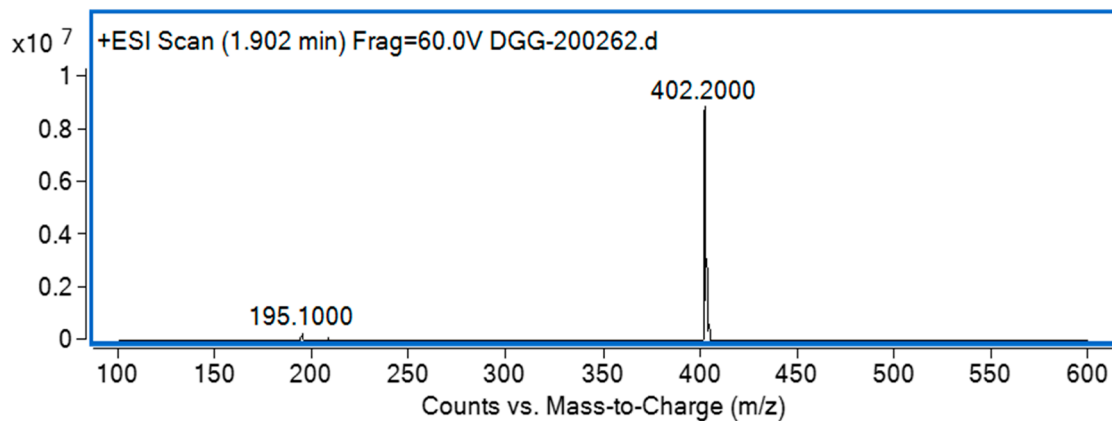
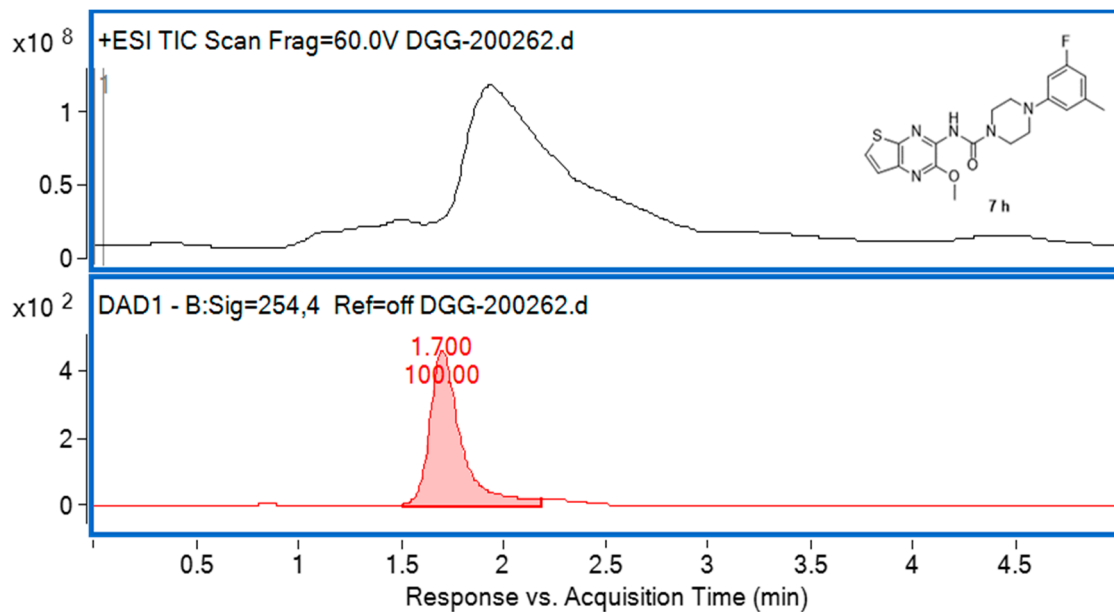
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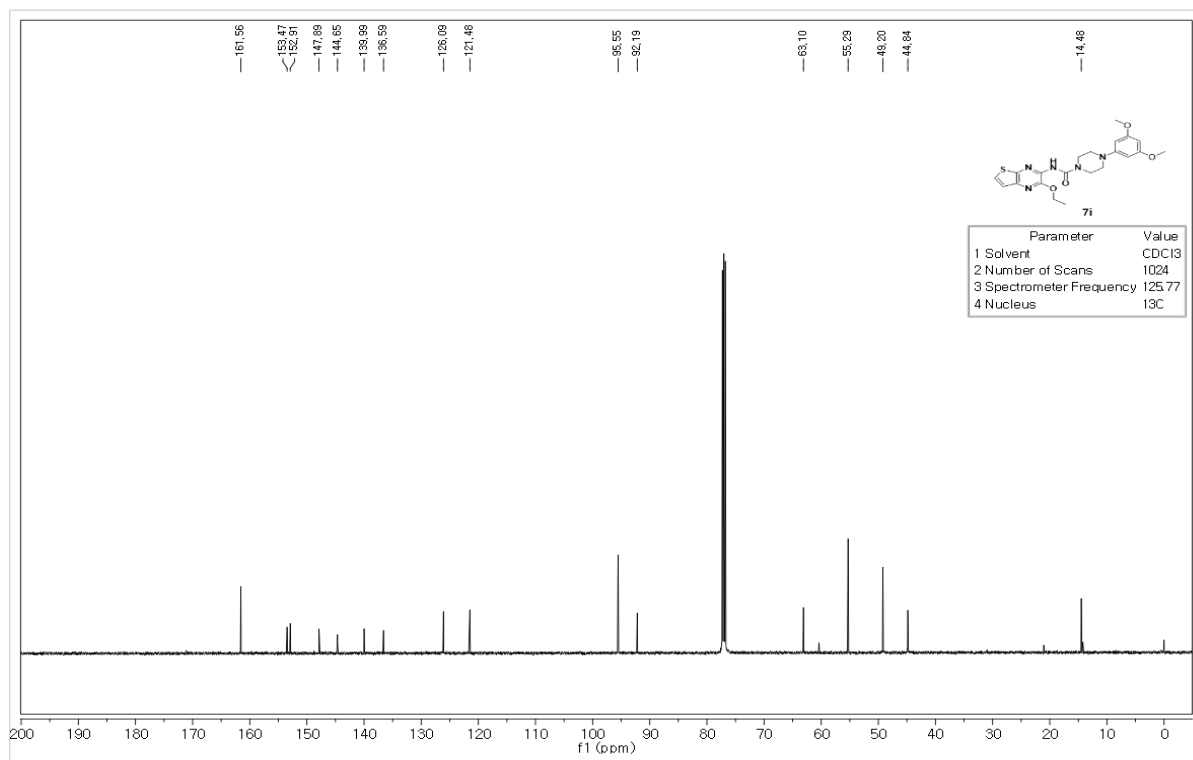
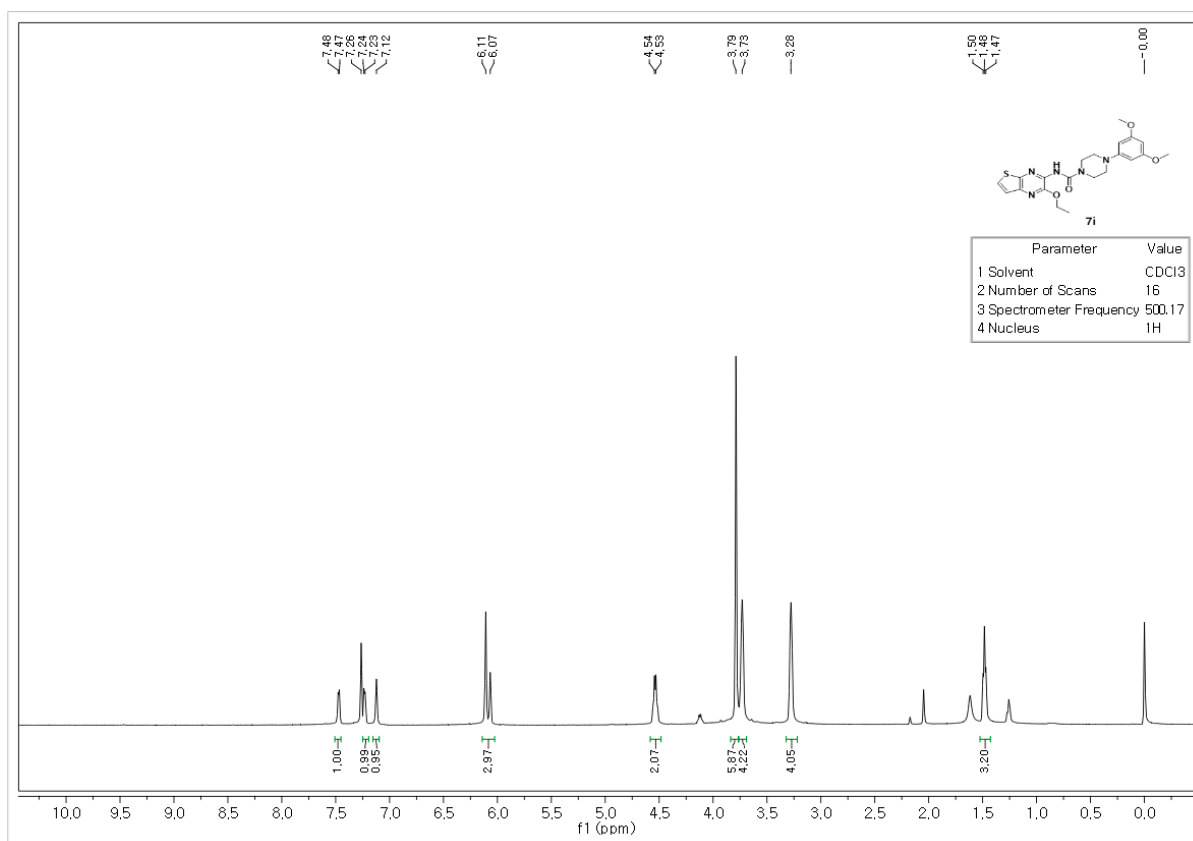
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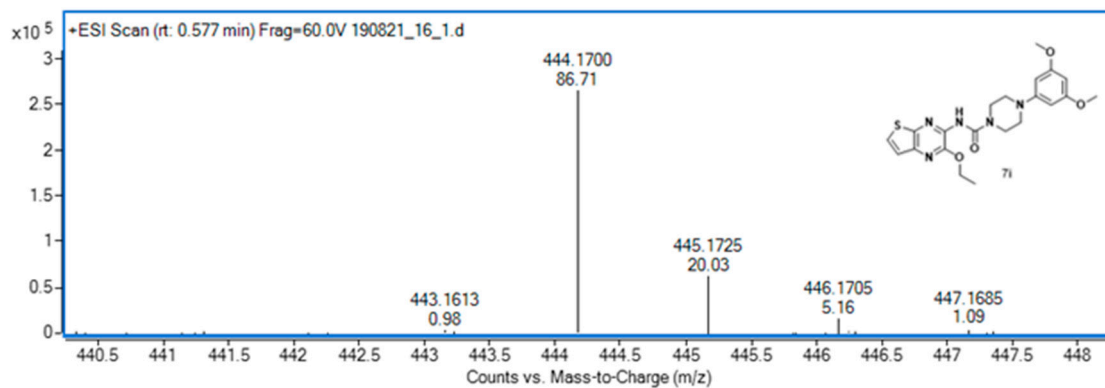
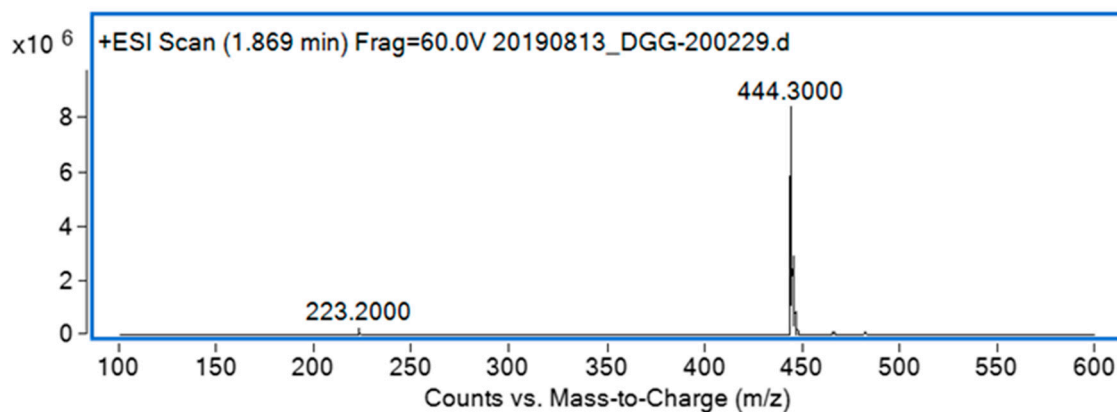
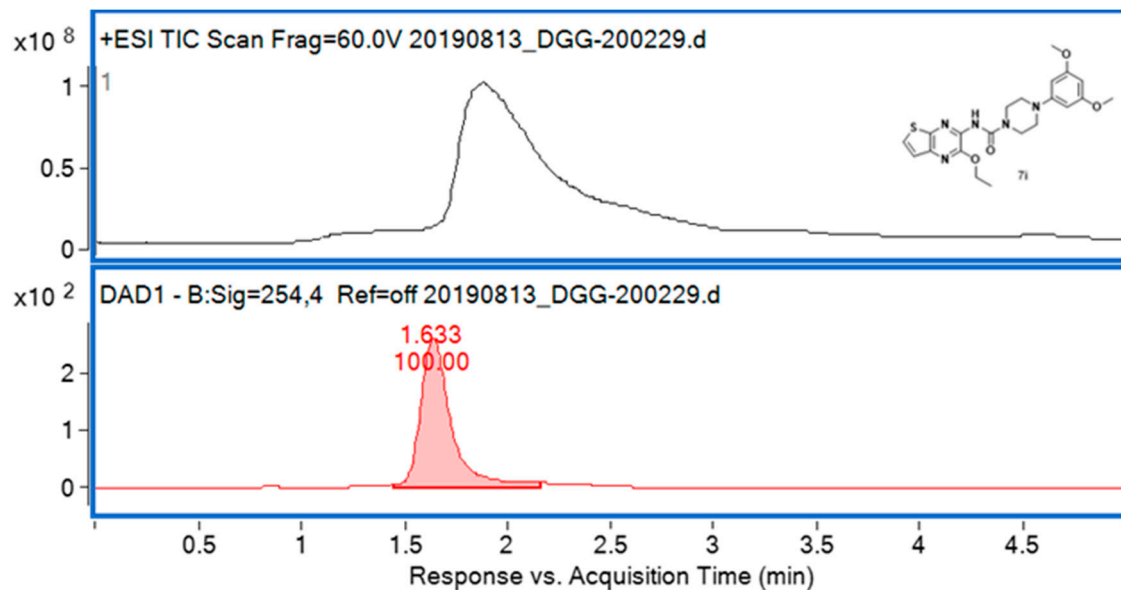


¹³C-NMR-7h



LC/MS, HR/MS-7h





LC/MS, HR/MS-7i

2. Figures S1 and S2.

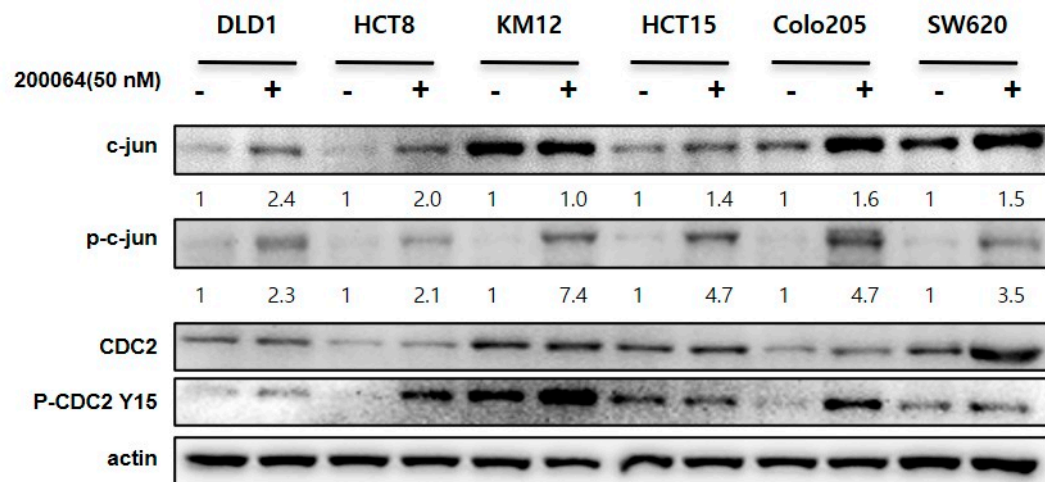


Figure S1. DGG200064 induced cell cycle arrest on colon cancer cells.

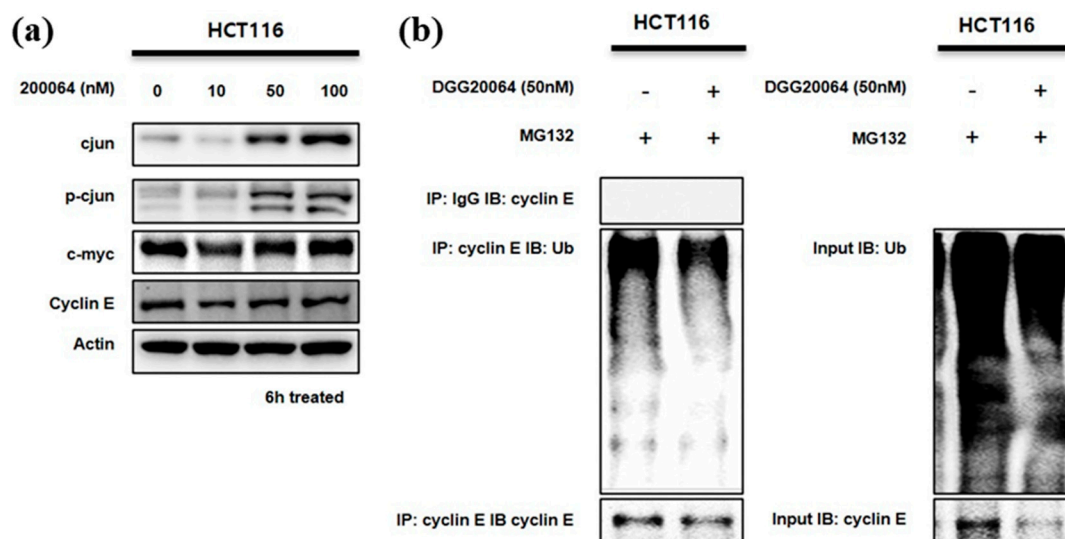
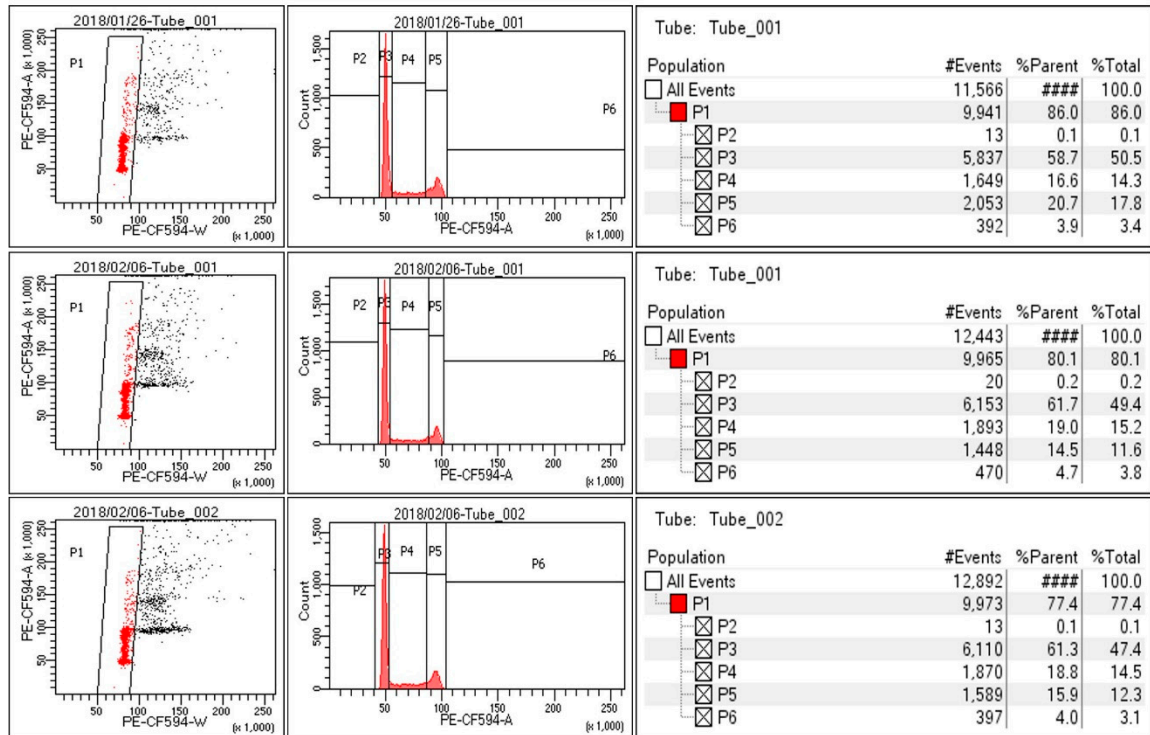


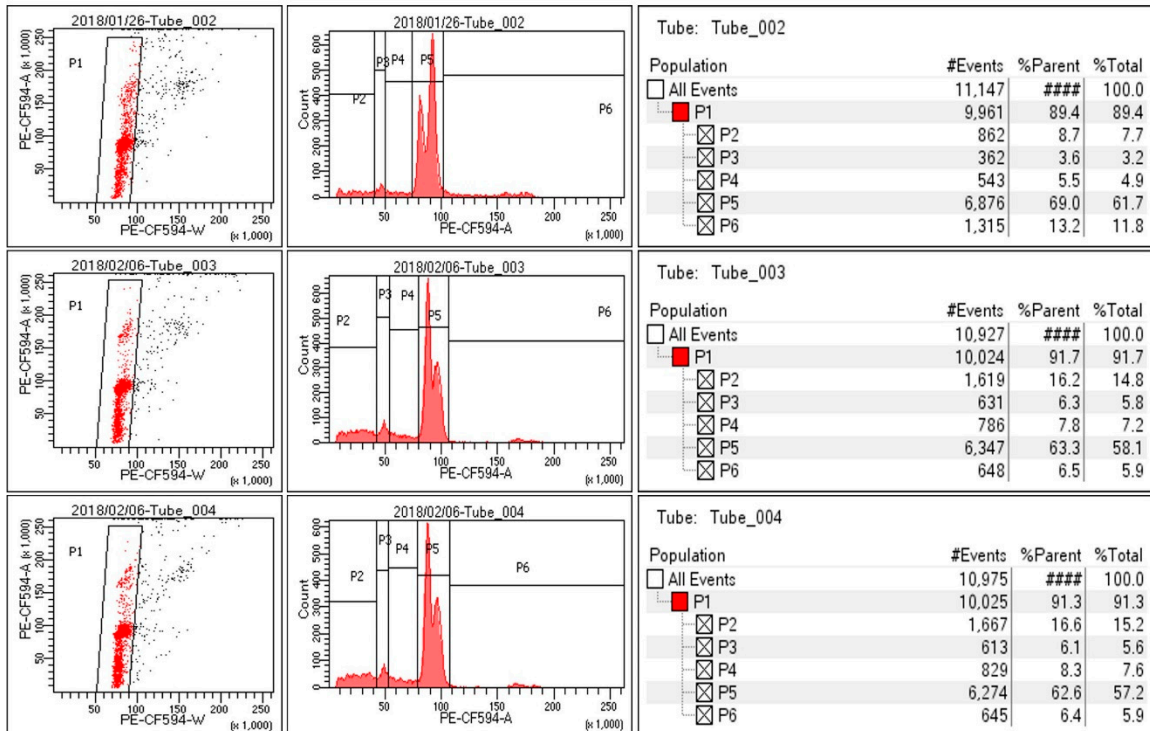
Figure S2. (a) DGG200064 dose-dependently induces c-Jun on HCT116 cells; (b) DGG200064 does not affect the ubiquitination of cyclin E.

3. Raw Biological Data

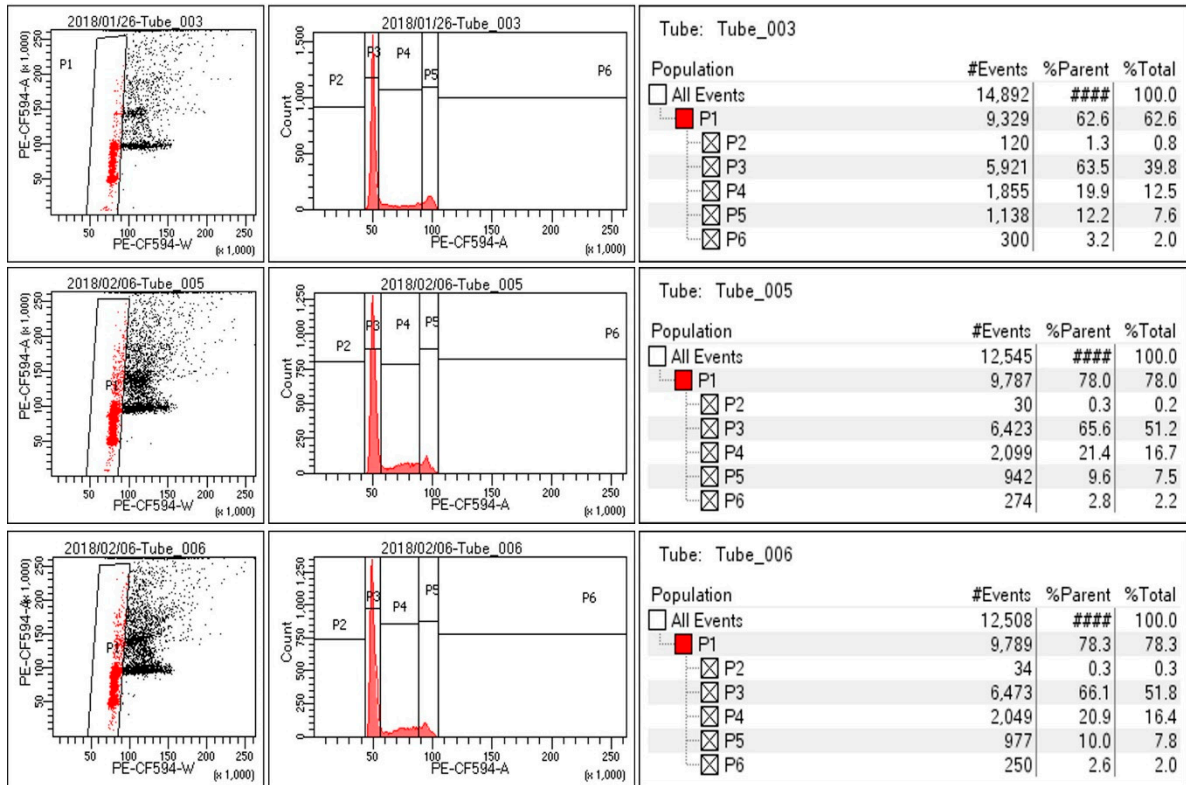
DLD1_DMSO_6h



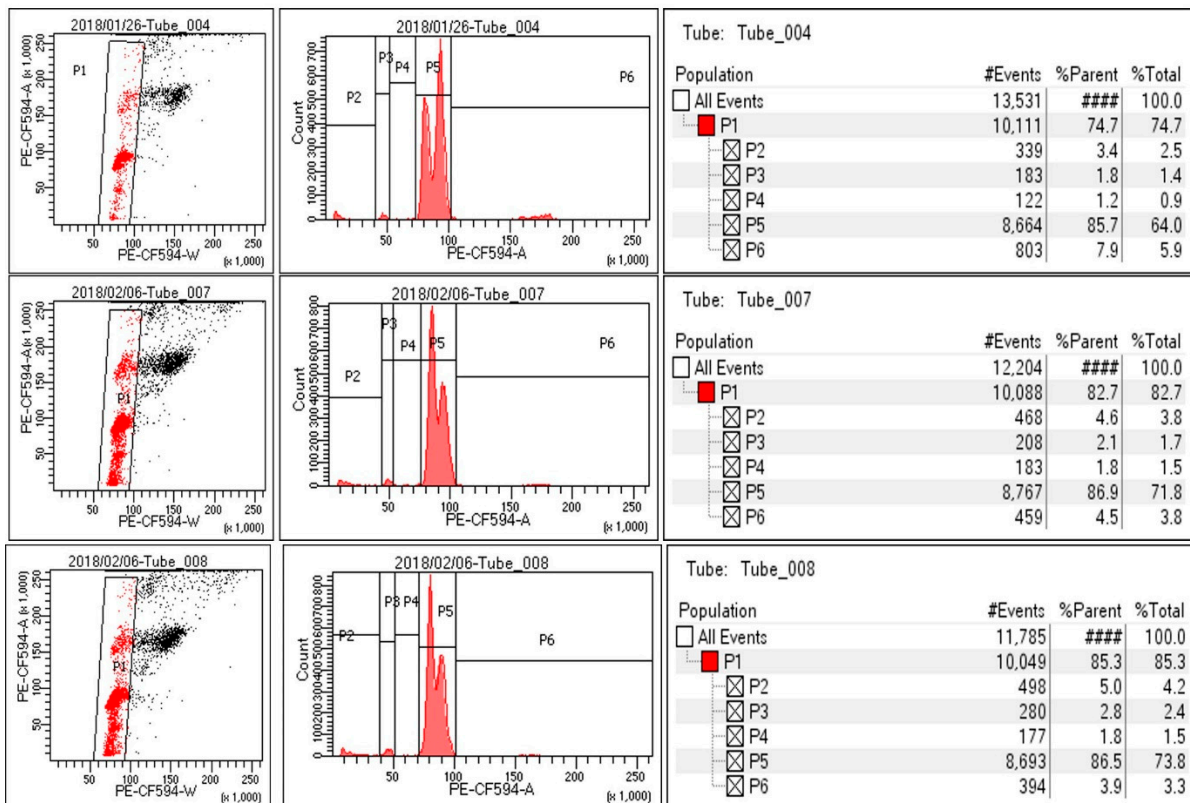
DLD1_DGG20064_50nM_6h



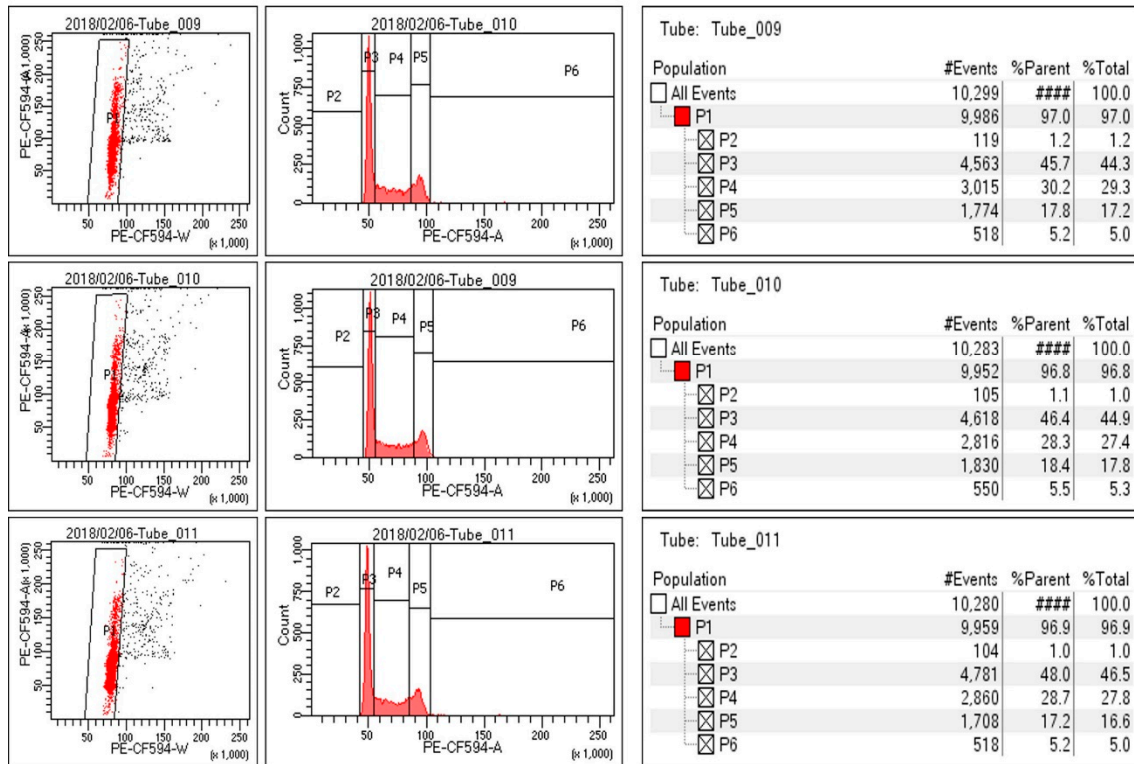
HCT8_DMSO_6h



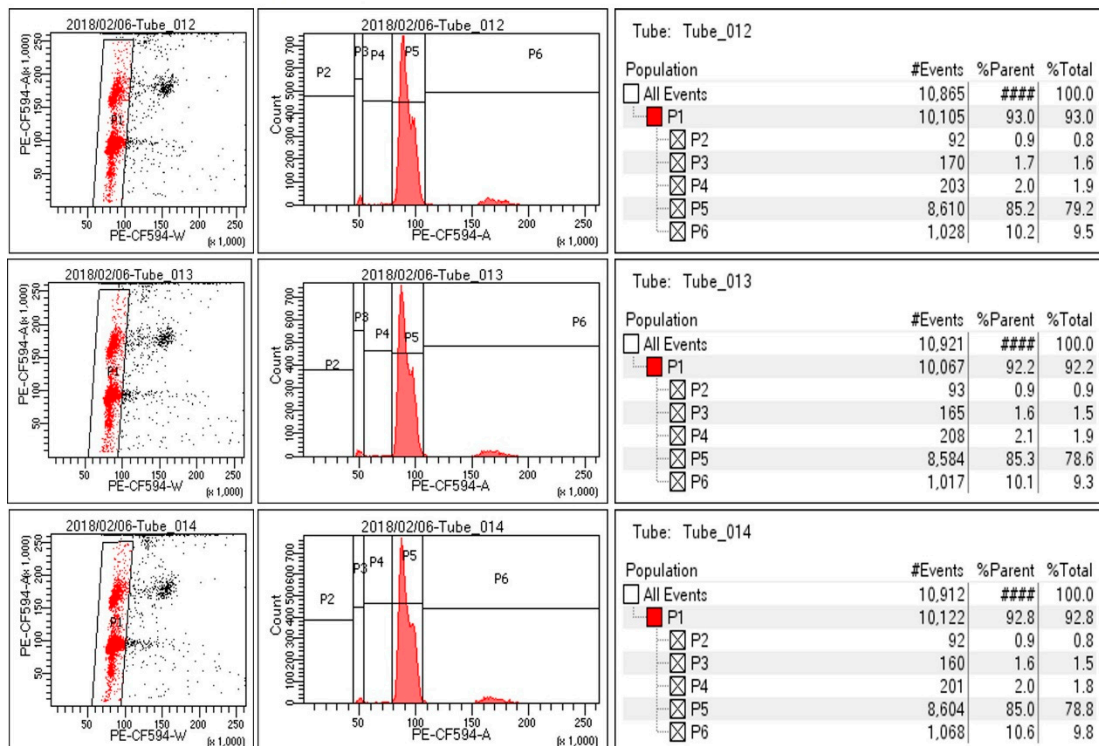
HCT8_DGG20064_50nM_6h



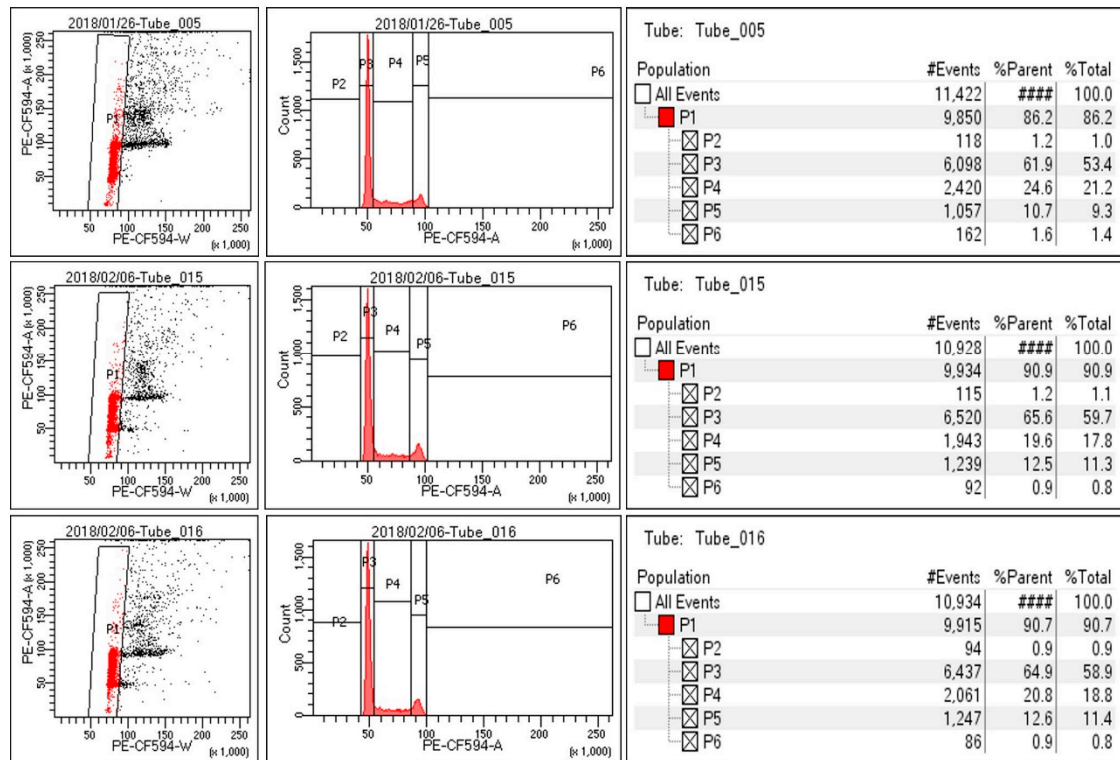
KM12_DMSO_6h



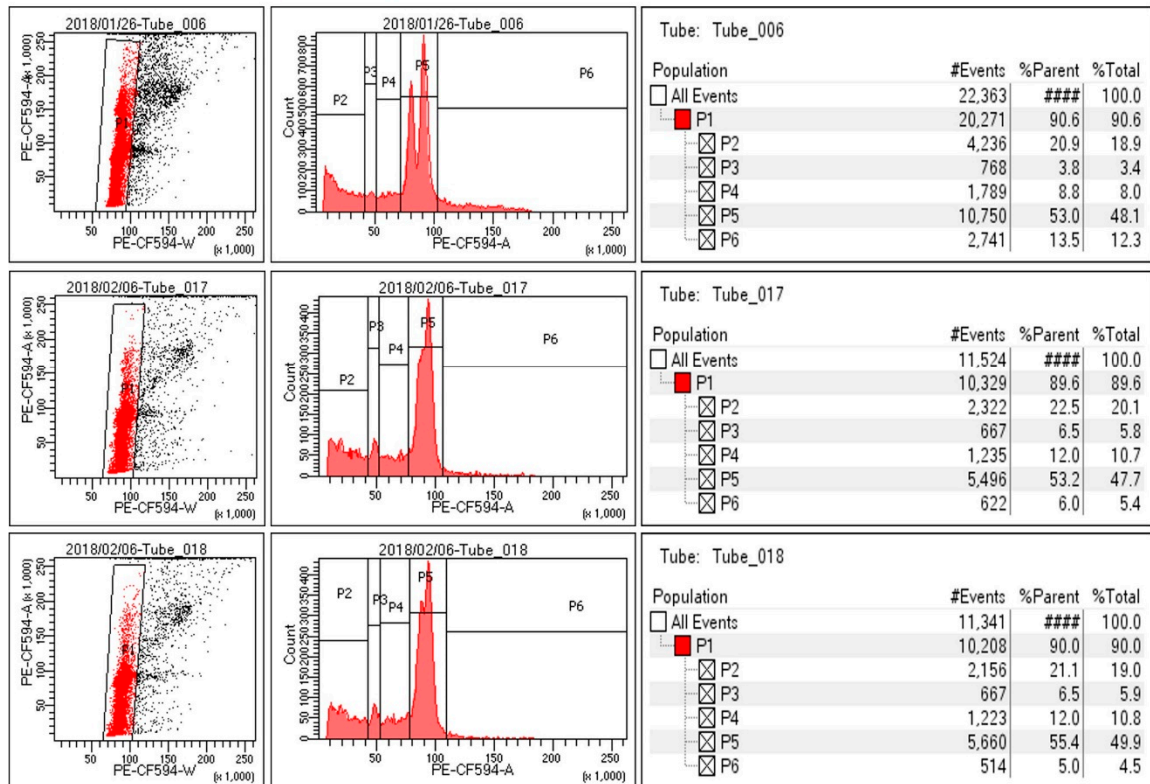
KM12_DGG20064_50nM_6h



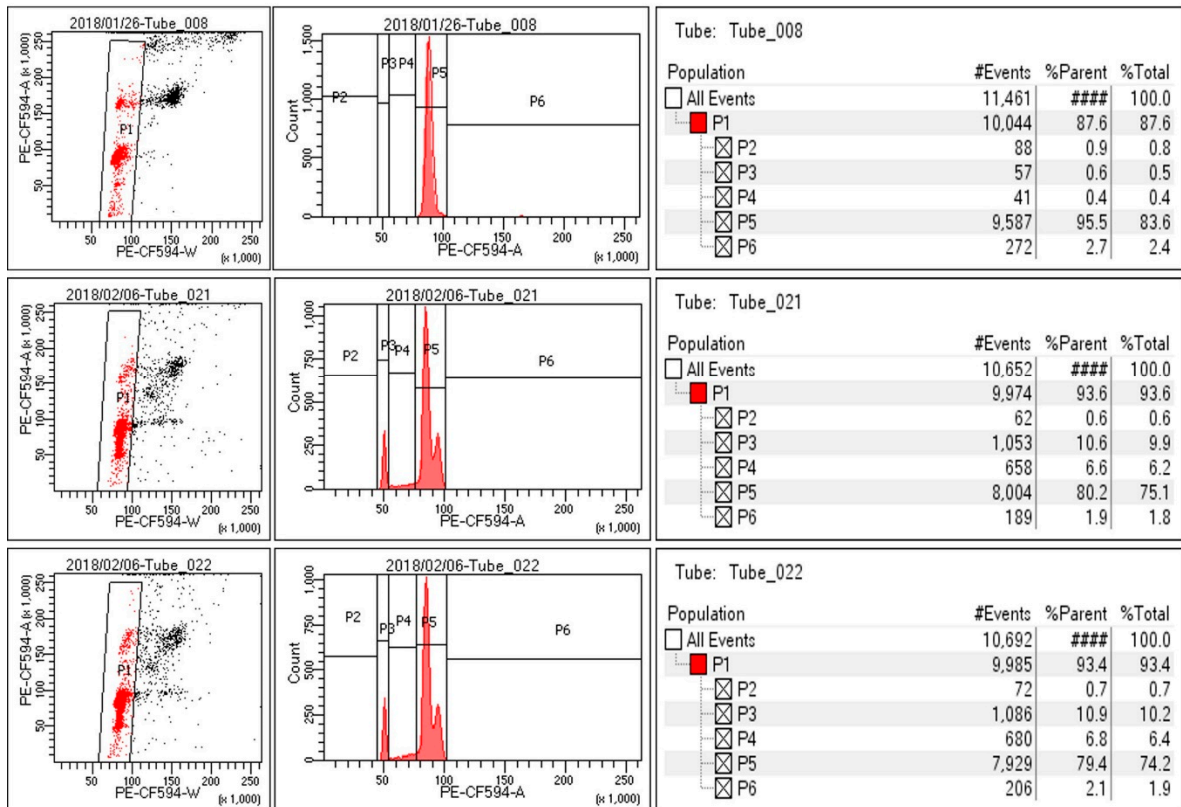
HCT15_DMSO_6h



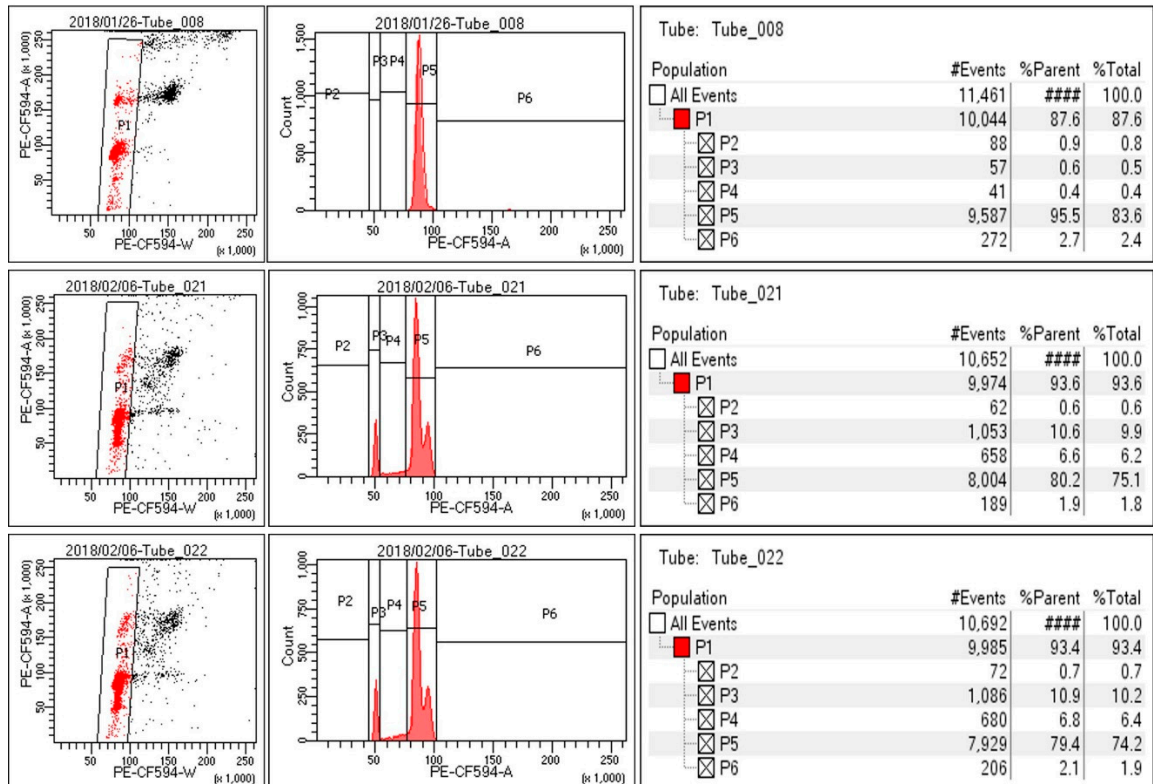
HCT15_DGG20064_50nM_6h



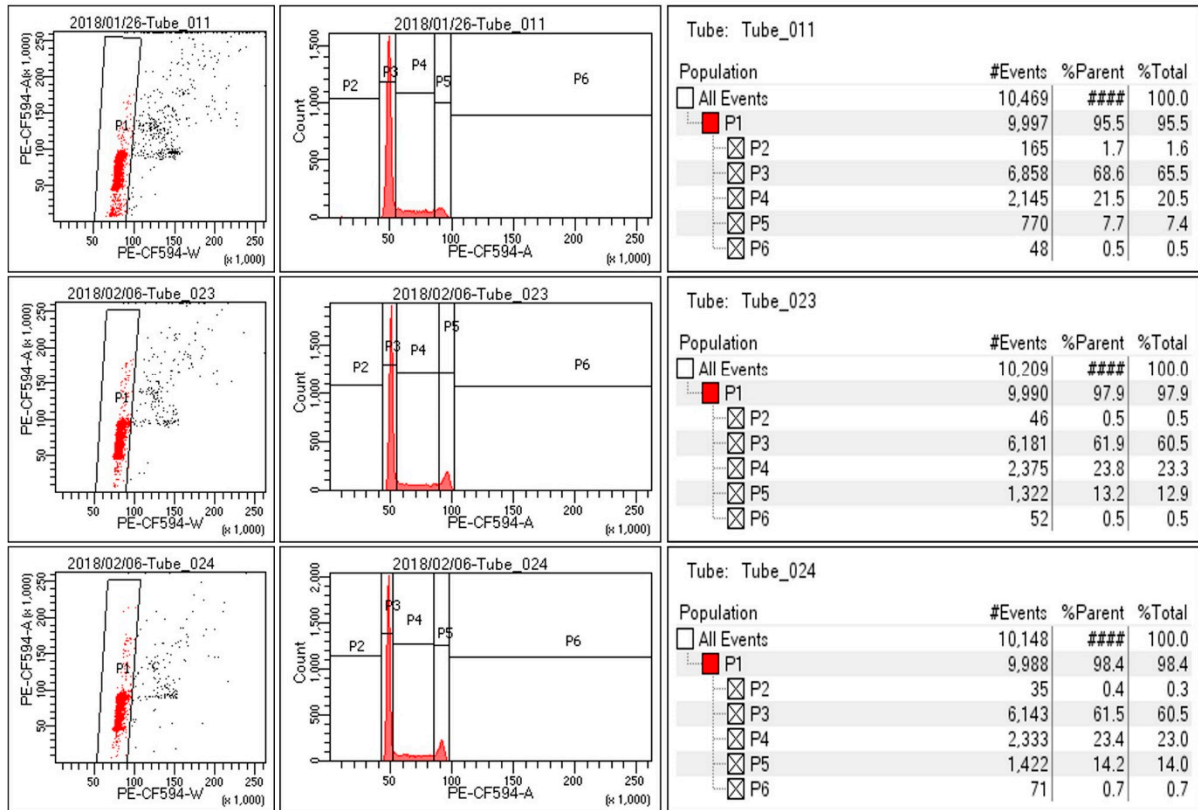
HT29_DGG20064_50nM_6h



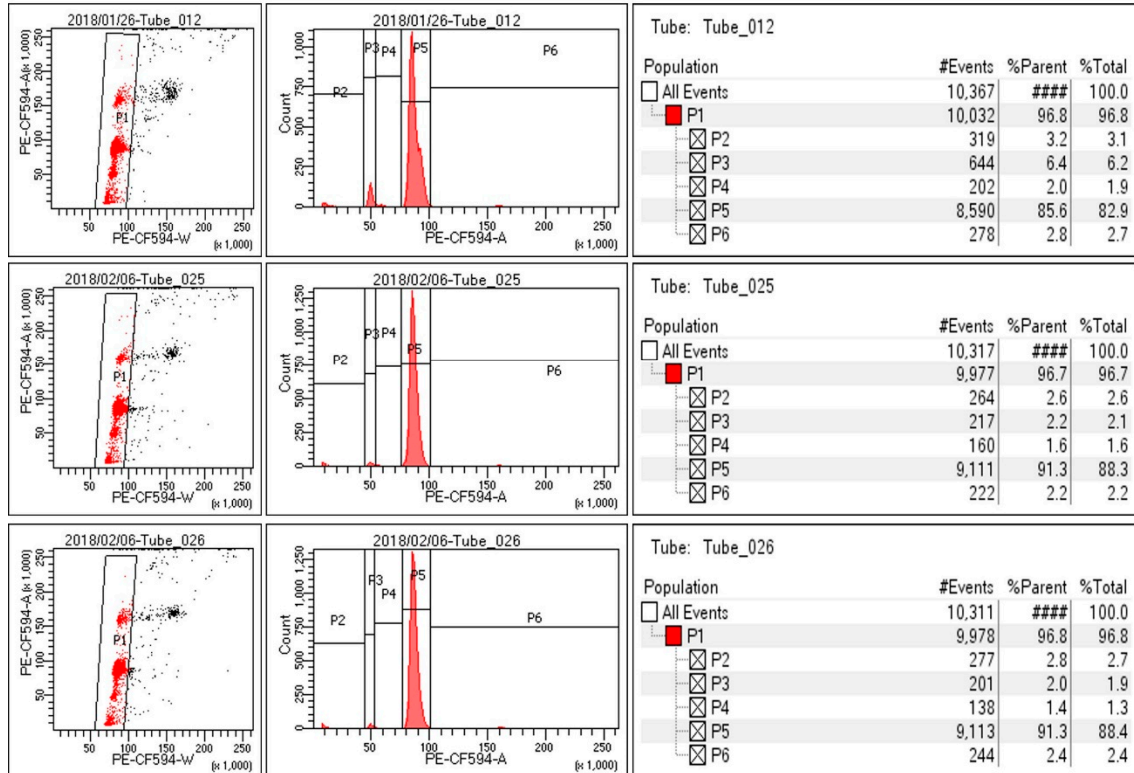
HT29_DGG20064_50nM_6h



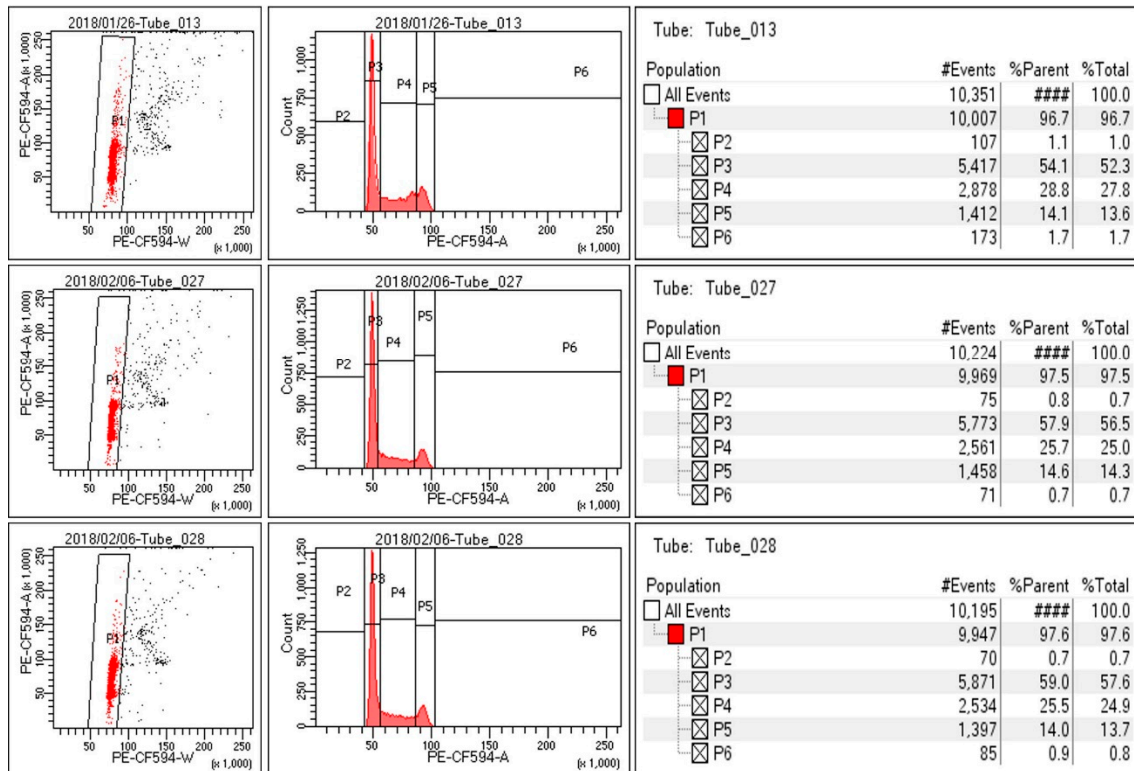
COLO-205_DMSO_6h



COLO-205_DGG20064_50nM_6h



SW620_DMSO_6h



SW620_DGG20064_50nM_6h

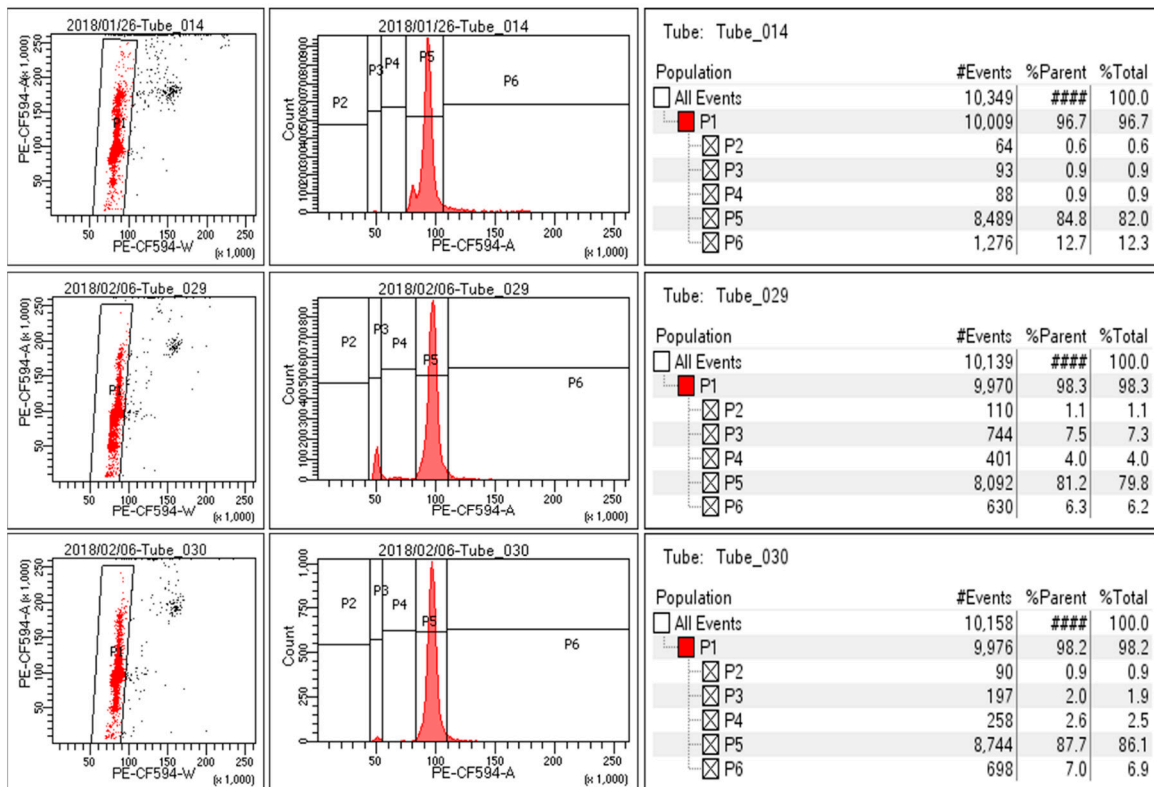


Figure 2A HCT116 and DLD1_DGG200064 dose-dependent treatment

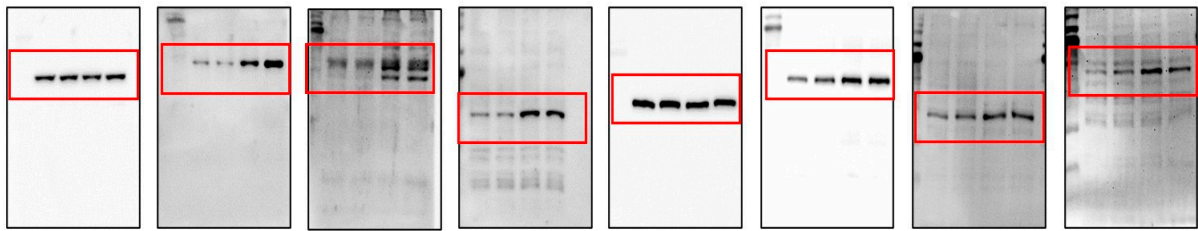


Figure 2C HCT116_c-Jun siRNA



Figure 2D. HCT116_FBW7 siRNA



Figure 2C. DLD1_c-Jun siRNA

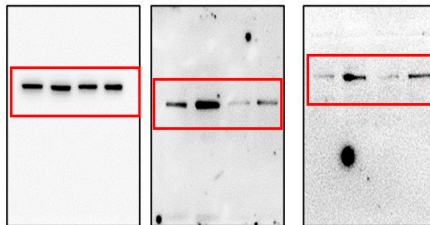


Figure 2D. DLD1_FBW7 siRNA

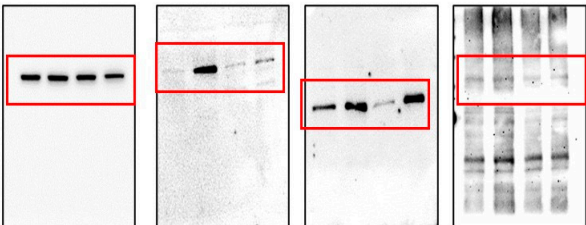


Figure 3.A HCT116

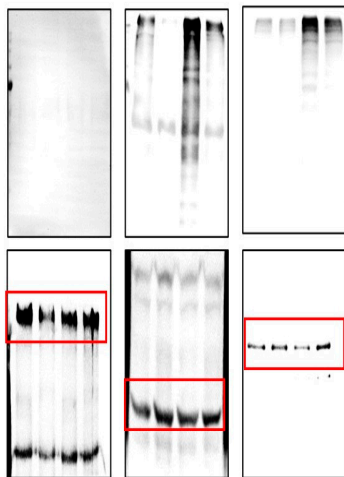


Figure 3.B DLD1

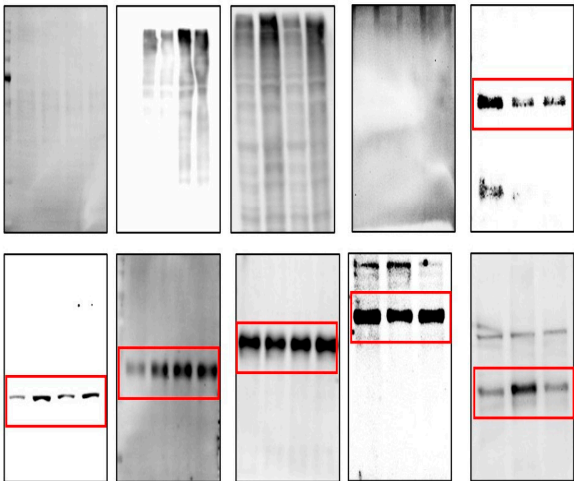


Figure 4.B

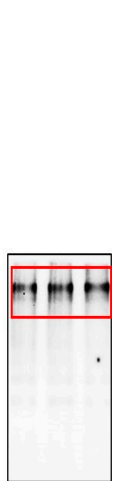


Figure 2A

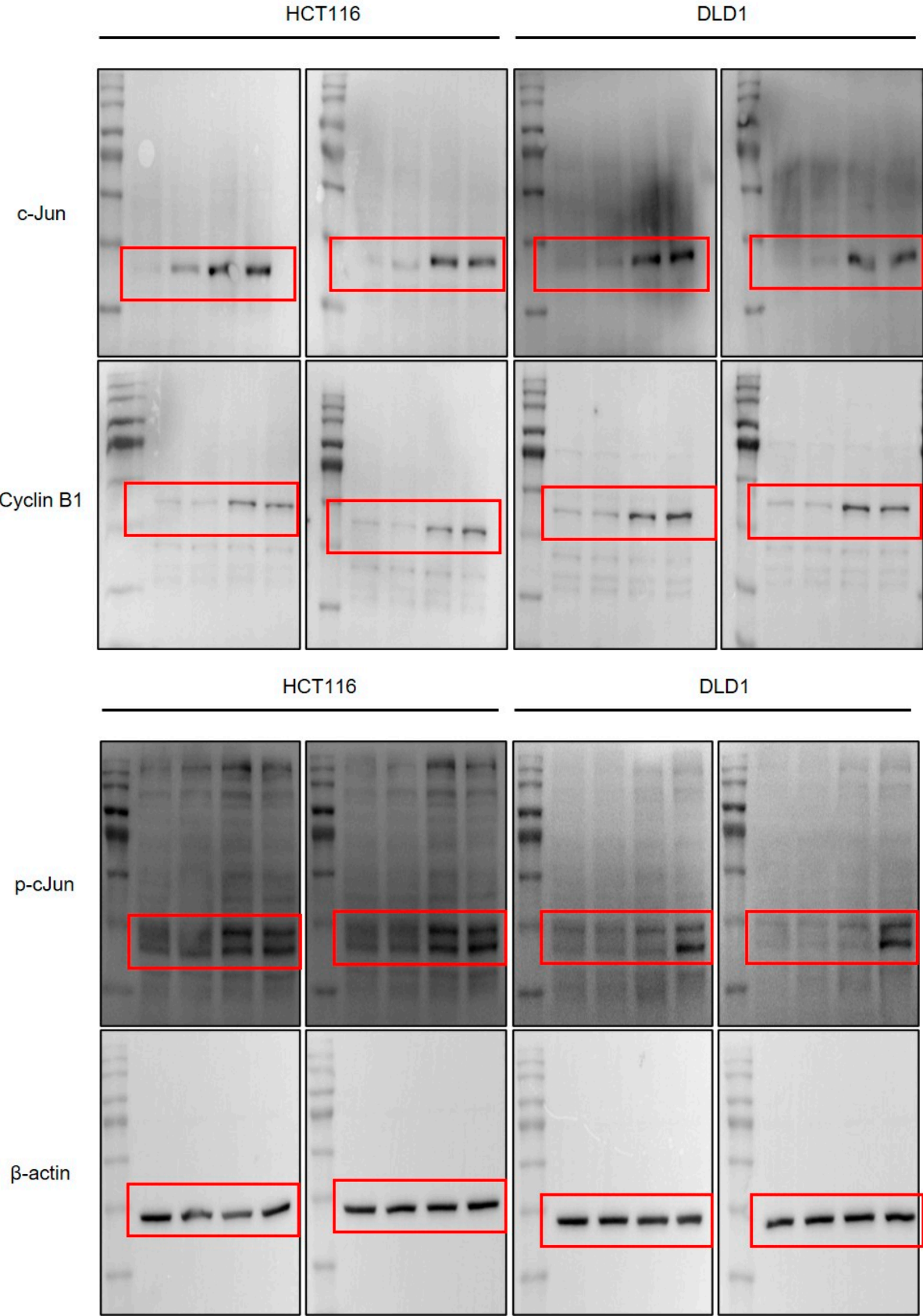


Figure 2B

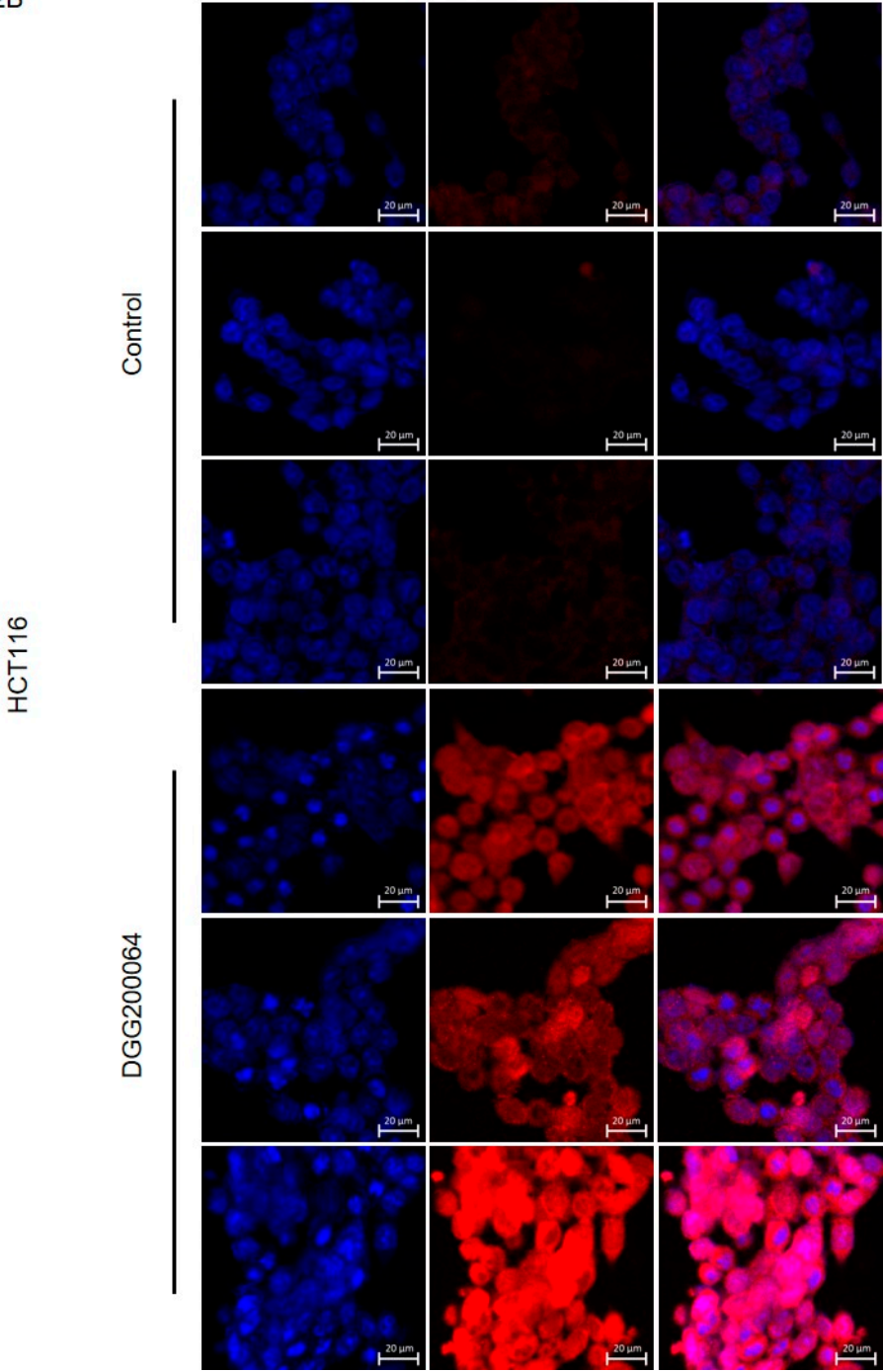


Figure 2C

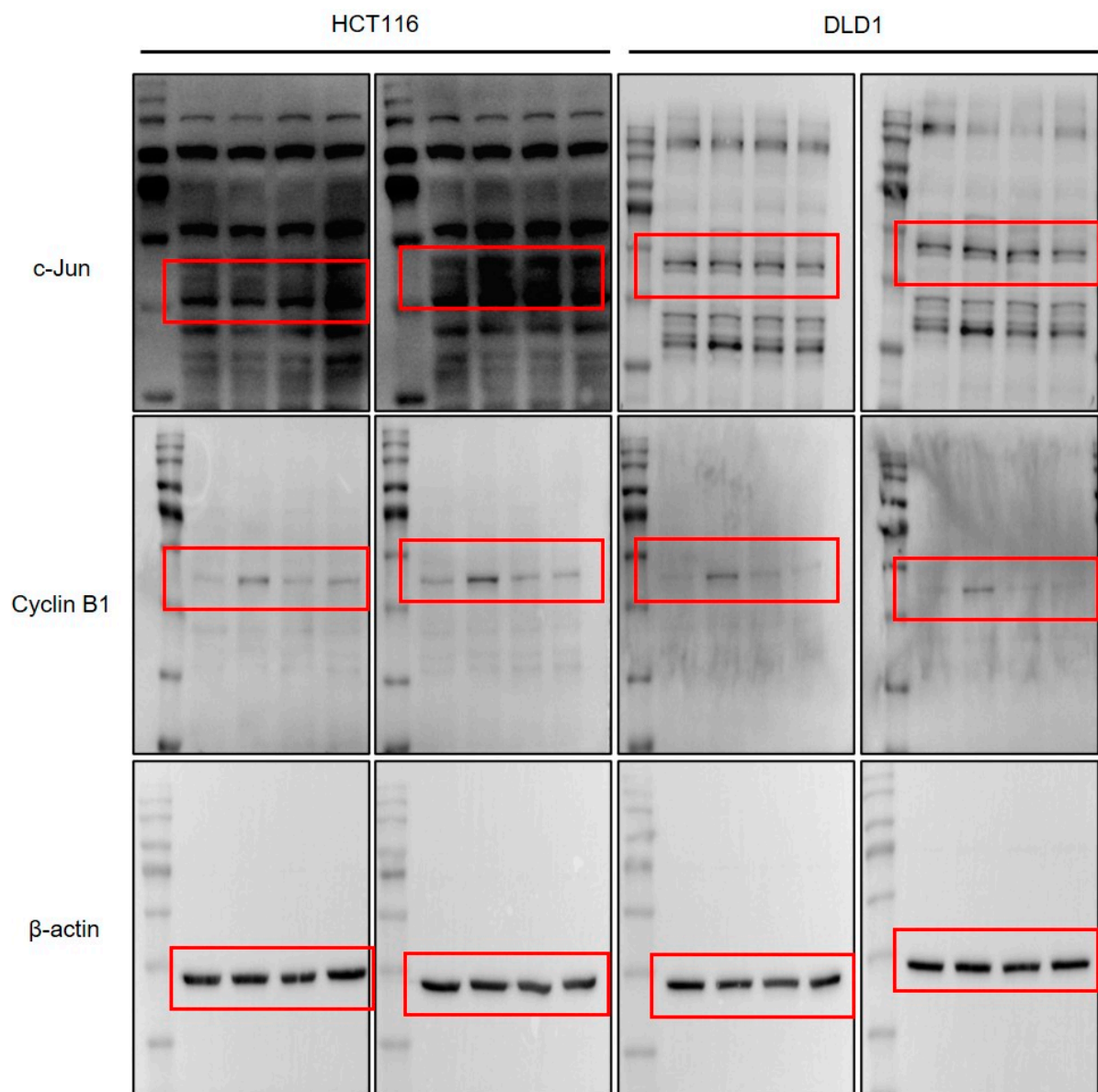


Figure 2D

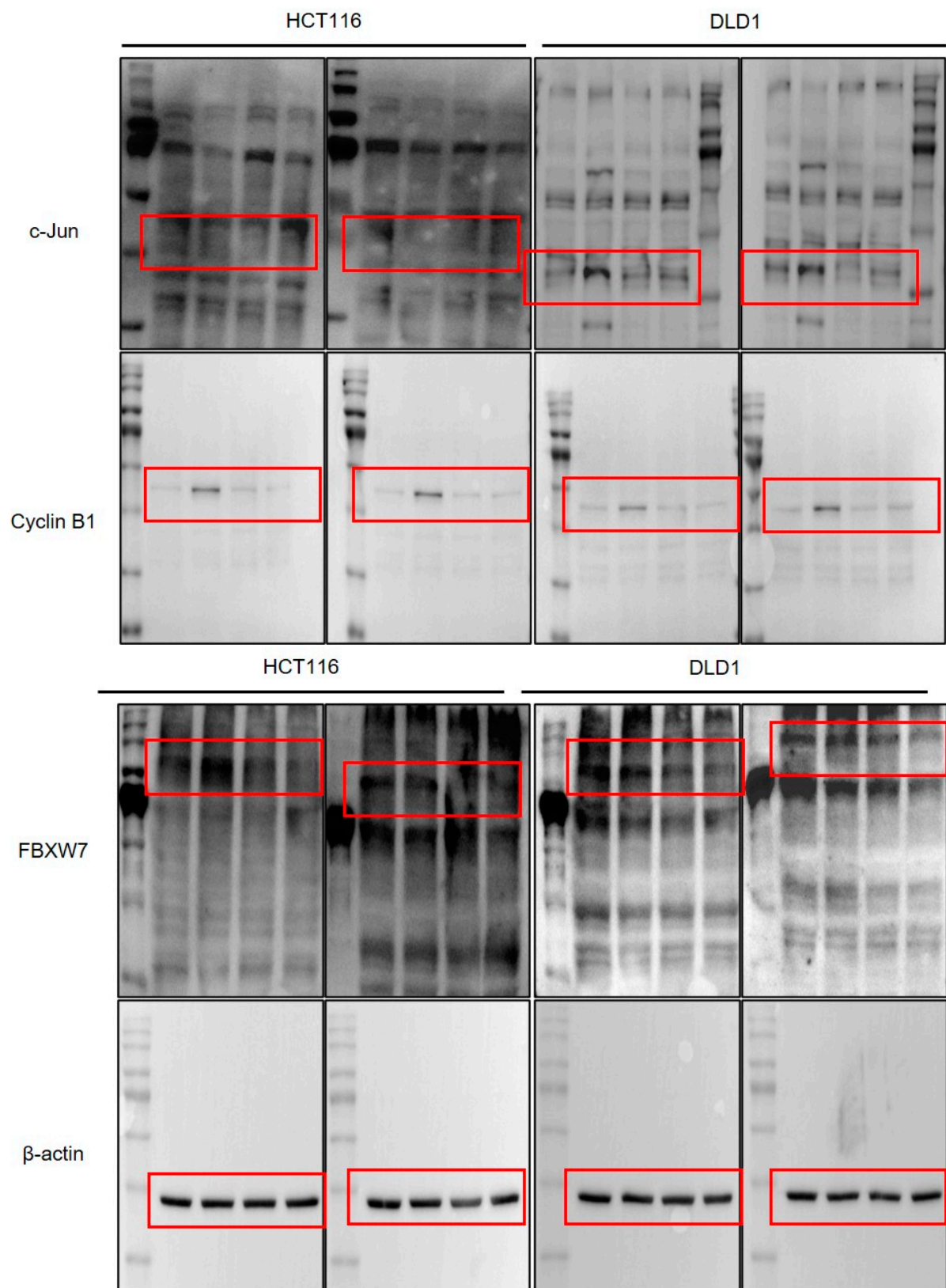


Figure 3

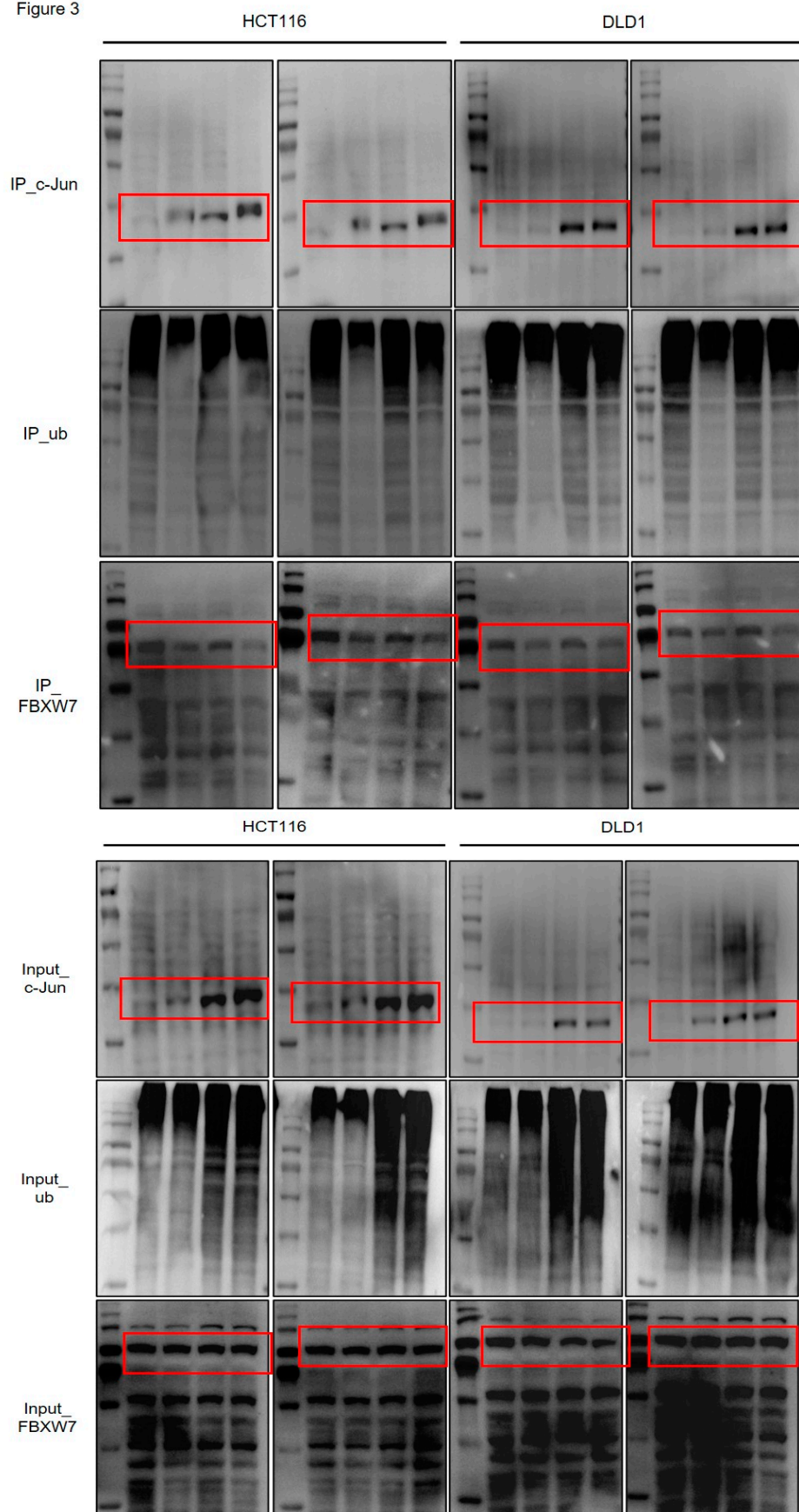


Figure 4

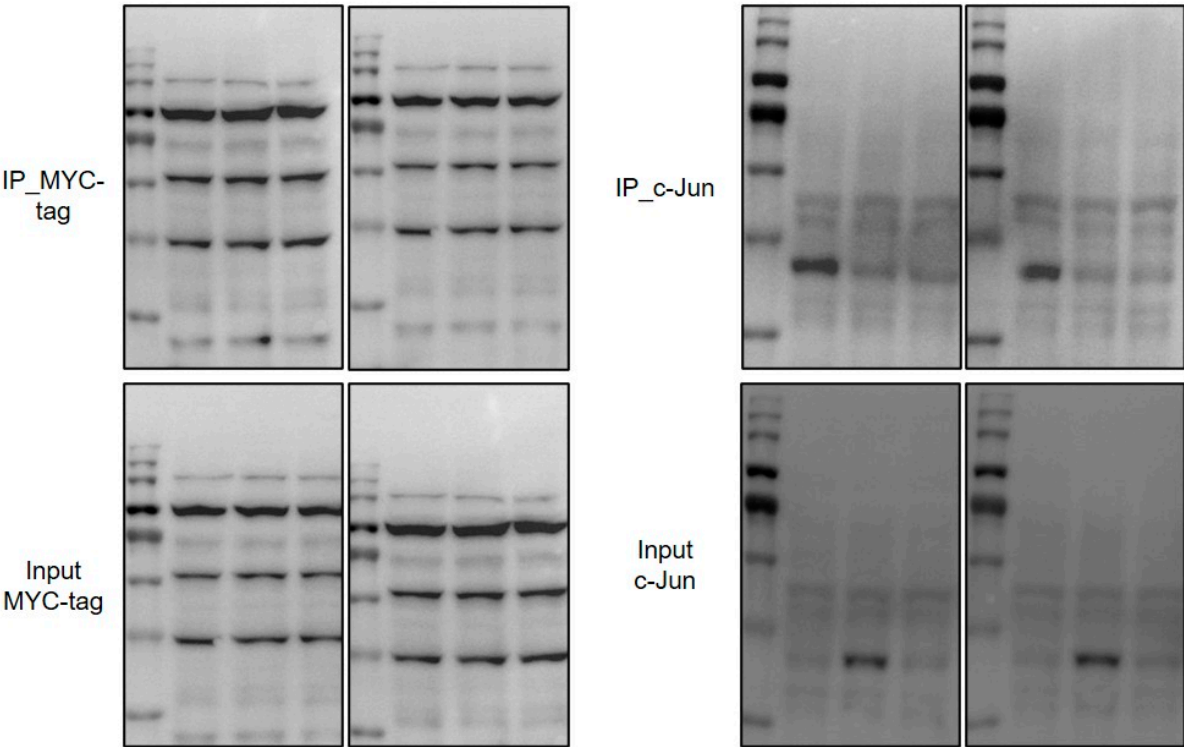


Figure S1 DGG200064 treatment on Colon cancer cells

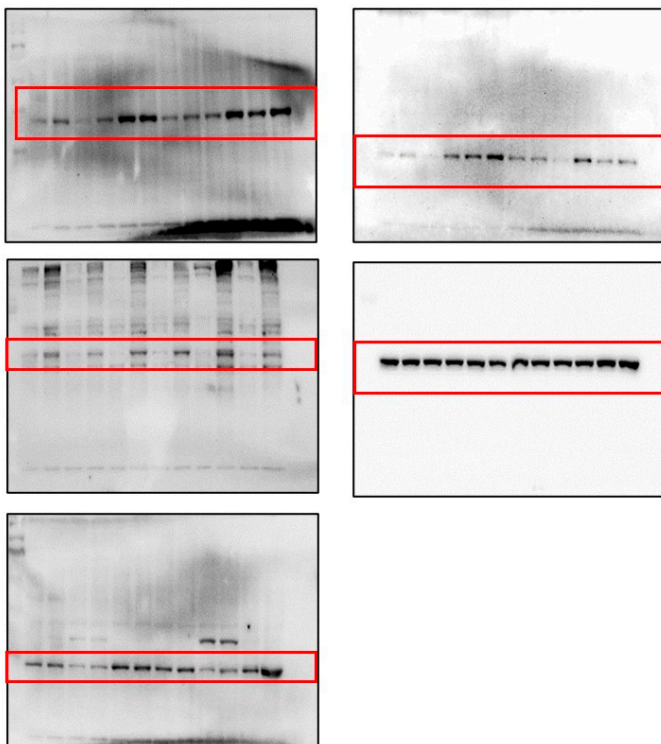


Figure S2 (a) DGG200064 treatment

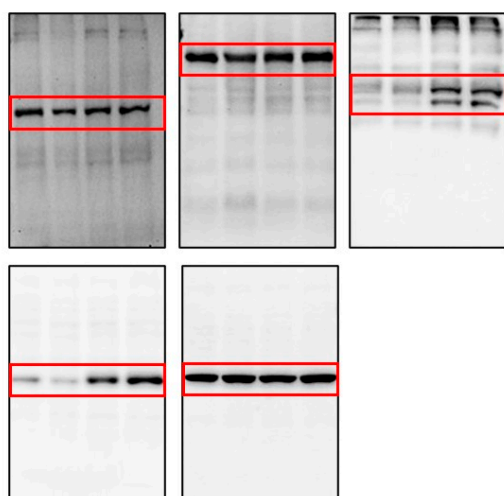


Figure S2 (b) DGG200064 treatment IP with Cyclin E

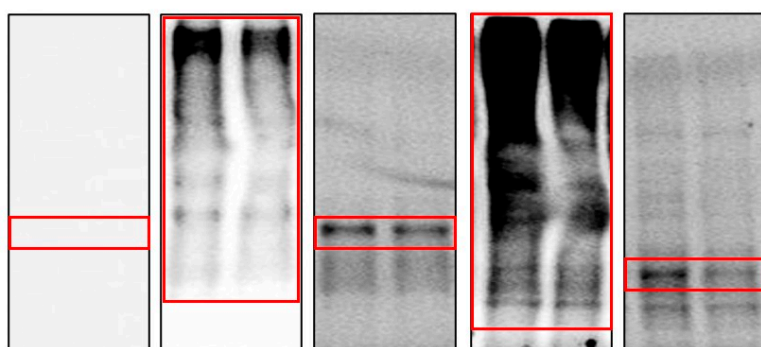


Table S1. *In vivo* evaluation of the DGG200066 suppressed colon cancer tumor growth against HCT1116 cells.

Tumor size (mm ³)									
		0	5	8	11	14	18	21	
평균	Control	212.05	651.8625	794.9103	941.4363	1074.954	1179.893	1203.246	
	DGG200064 60 mg/kg	188.7437	298.6004	319.7996	426.3946	508.0443	536.6033	606.2556	
	DGG200064 120 mg/kg	171.0132	246.6181	272.2828	305.558	316.6981	327.5194	374.4137	
		0	5	8	11	14	18	21	
편차	Control	116.7022	217.3067	386.7541	407.5402	339.1767	305.9519	236.0849	
	DGG200064 60 mg/kg	92.02225	197.2219	196.8343	225.5302	212.5568	279.4415	287.8924	
	DGG200064 120 mg/kg	66.22986	151.8436	156.099	182.5079	142.3078	143.5347	99.41429	
Bodyweight (g)									
		0	5	8	11	14	18	21	
평균	Control	18.16667	19	20.16667	19.16667	19.33333	20.16667	20.5	
	DGG200064 60 mg/kg	18.66667	18.83333	19	19.16667	19.16667	19.66667	20.33333	
	DGG200064 120 mg/kg	18.33333	18.33333	18.83333	18.66667	17.83333	18.83333	19	
		0	5	8	11	14	18	21	
편차	Control	0.897527	1	1.213352	0.897527	0.745356	1.213352	0.957427	
	DGG200064 60 mg/kg	0.745356	0.897527	1.290994	1.213352	1.213352	1.105542	1.247219	
	DGG200064 120 mg/kg	0.471405	0.471405	0.897527	0.942809	1.57233	1.34371	1.632993	

Tumor size (mm ³)														
		1	4	7	10	13	16	19	22	25	28			
평균	DGG200338													
	0 mg/kg	82.66304	151.2889	246.1779	325.6998	463.7817	574.7773	782.8934	893.7176	983.6118	1080.272			
	35 mg/kg	80.14855	115.5963	161.3056	173.9752	192.7666	208.7519	227.6788	271.1424	340.3376	339.7049			
	70 mg/kg	81.25178	93.0595	115.7923	144.3401	165.0344	180.452	190.4336	220.6202	245.5077	243.8313			
	DGG200338													
편차	0 mg/kg	48.98778	78.38627	114.5712	116.5257	196.5681	178.5368	301.0909	358.0715	415.5241	402.2574			
	35 mg/kg	56.85341	66.18676	80.66902	95.0728	101.3432	102.1129	90.66668	110.2231	94.23366	117.5697			
	70 mg/kg	43.2349	53.58528	76.1347	73.33556	99.90373	95.57271	68.48331	65.1613	92.32454	97.97786			
body weight (g)														
		1	4	7	10	13	16	19	22	25	28			
평균	DGG200338													
	0 mg/kg	19.14286	19.42857	19.85714	19.57143	20.14286	19.57143	20	19.71429	20	19.71429			
	35 mg/kg	19.42857	19.71429	19.85714	19.57143	20.71429	20.28571	21	21.42857	22.71429	22			
	70 mg/kg	18.85714	18.71429	18.28571	18	19	19.85714	19.28571	19.14286	20.57143	20			
	DGG200338													
편차	0 mg/kg	1.46385	1.511858	1.345185	1.272418	1.772811	1.511858	1.825742	2.21467	2.645751	2.429972			
	35 mg/kg	1.272418	1.496026	1.46385	1.618347	1.380131	1.704336	1.825742	2.225395	2.13809	1.914854			
	70 mg/kg	1.46385	1.496026	1.799471	1	1.732051	1.573592	1.496026	1.214986	1.511858	1.632993			