

Supporting Information

Lead Optimization of Second-Generation Acridones as Broad-Spectrum Antimalarials

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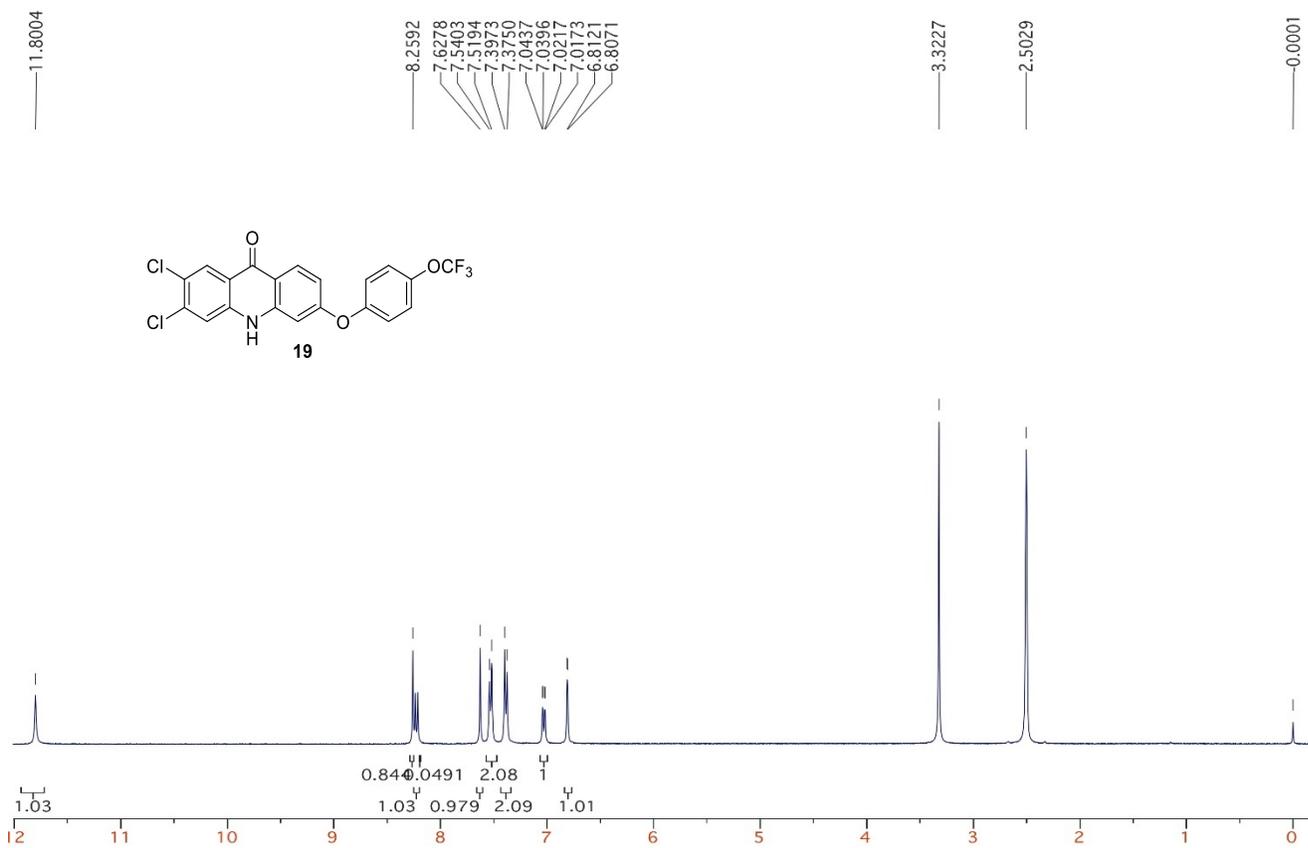
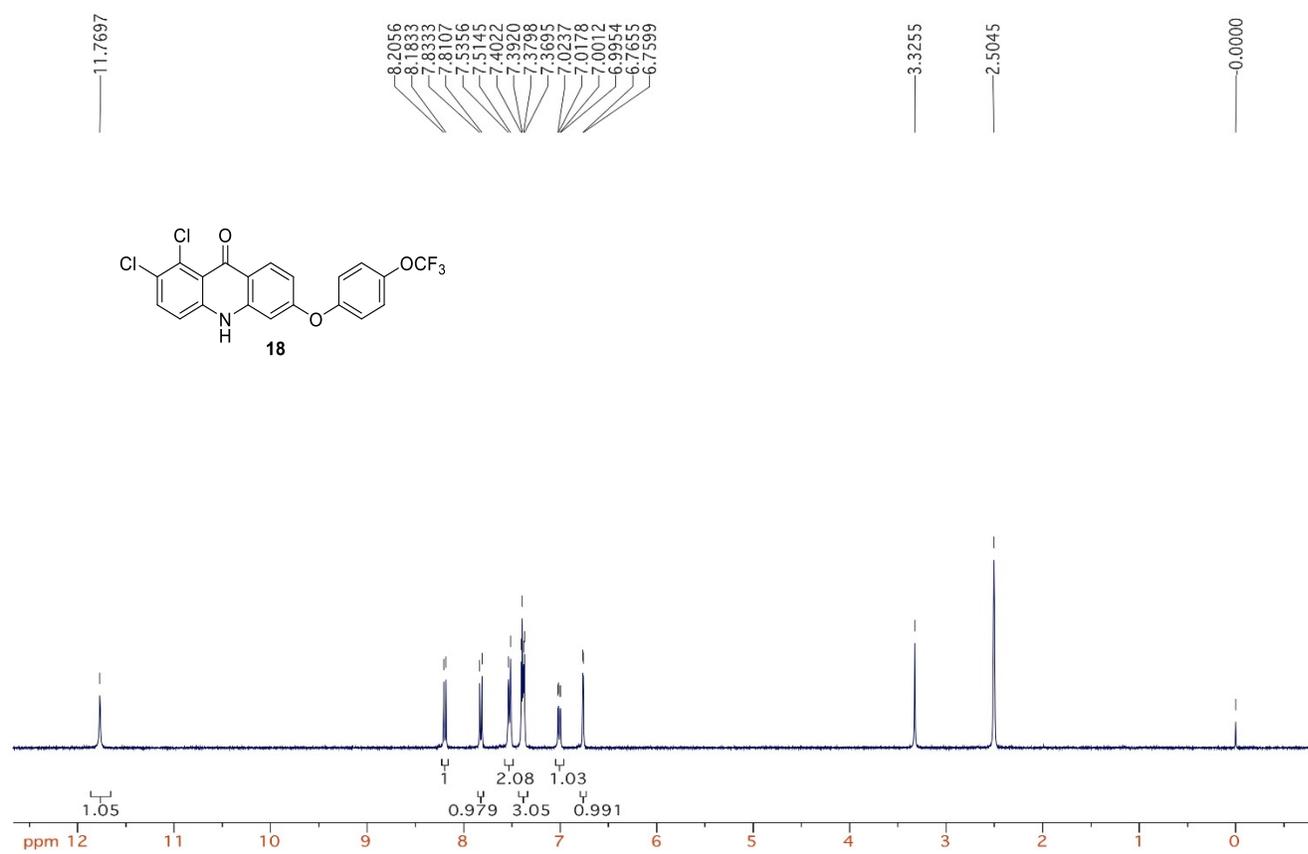
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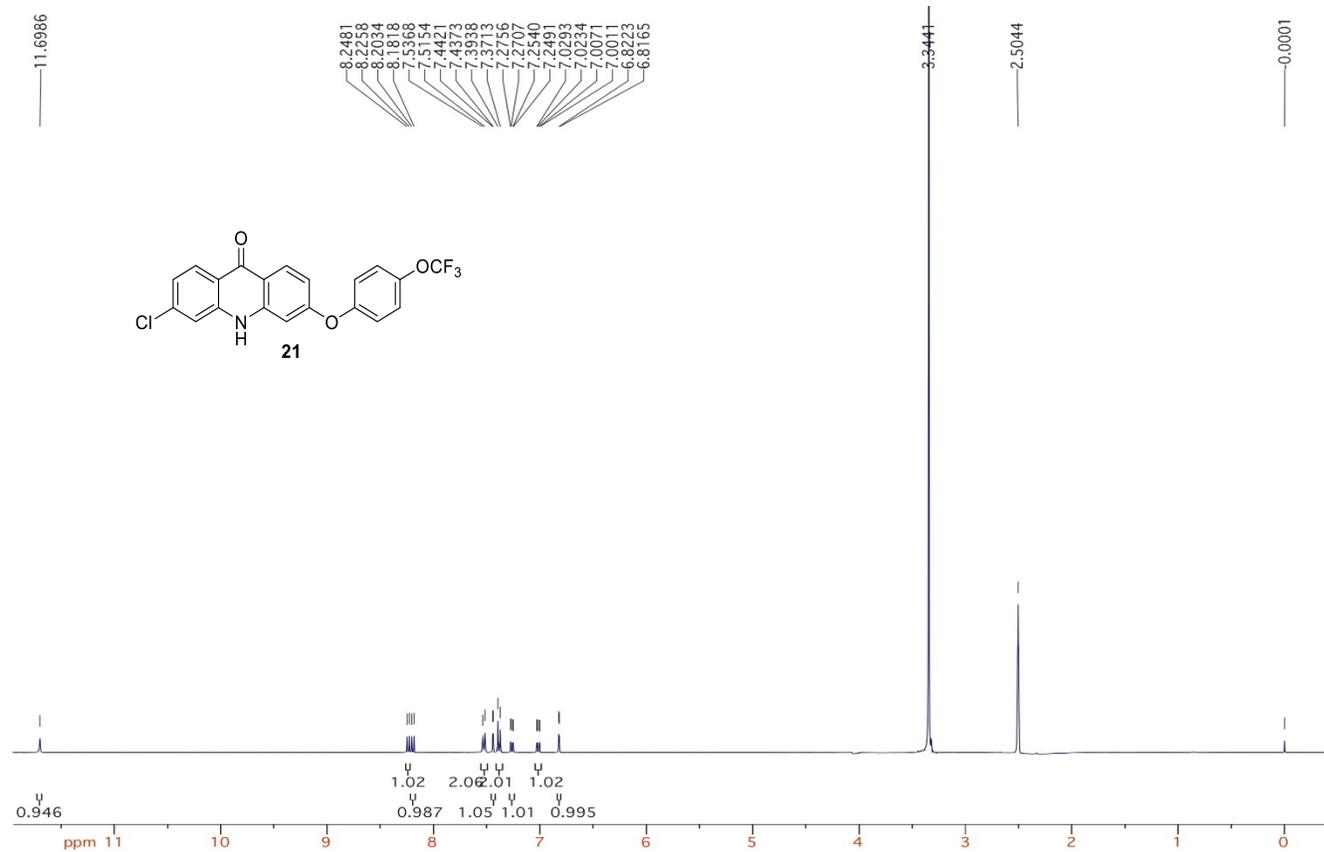
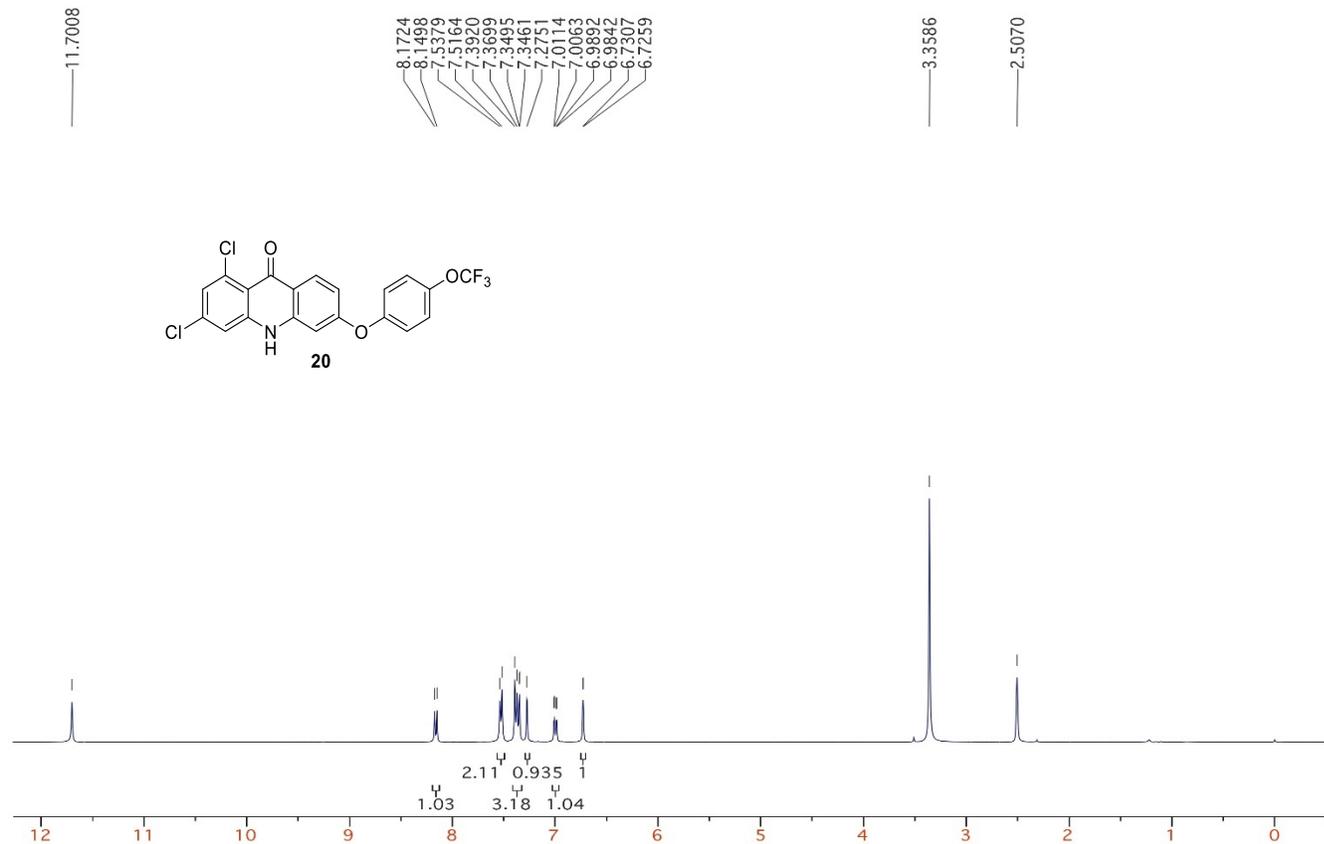
[±]Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville MD 20852, USA.

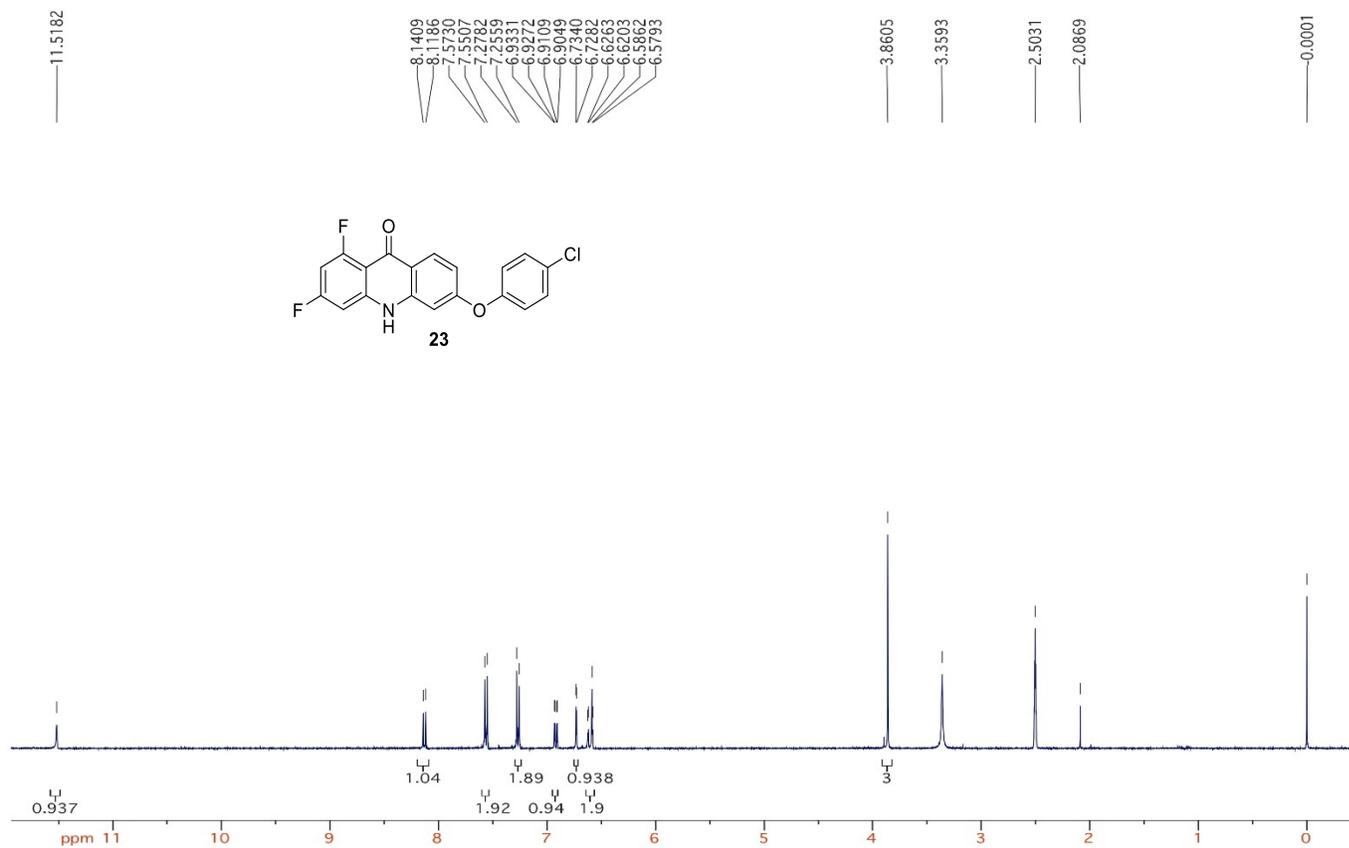
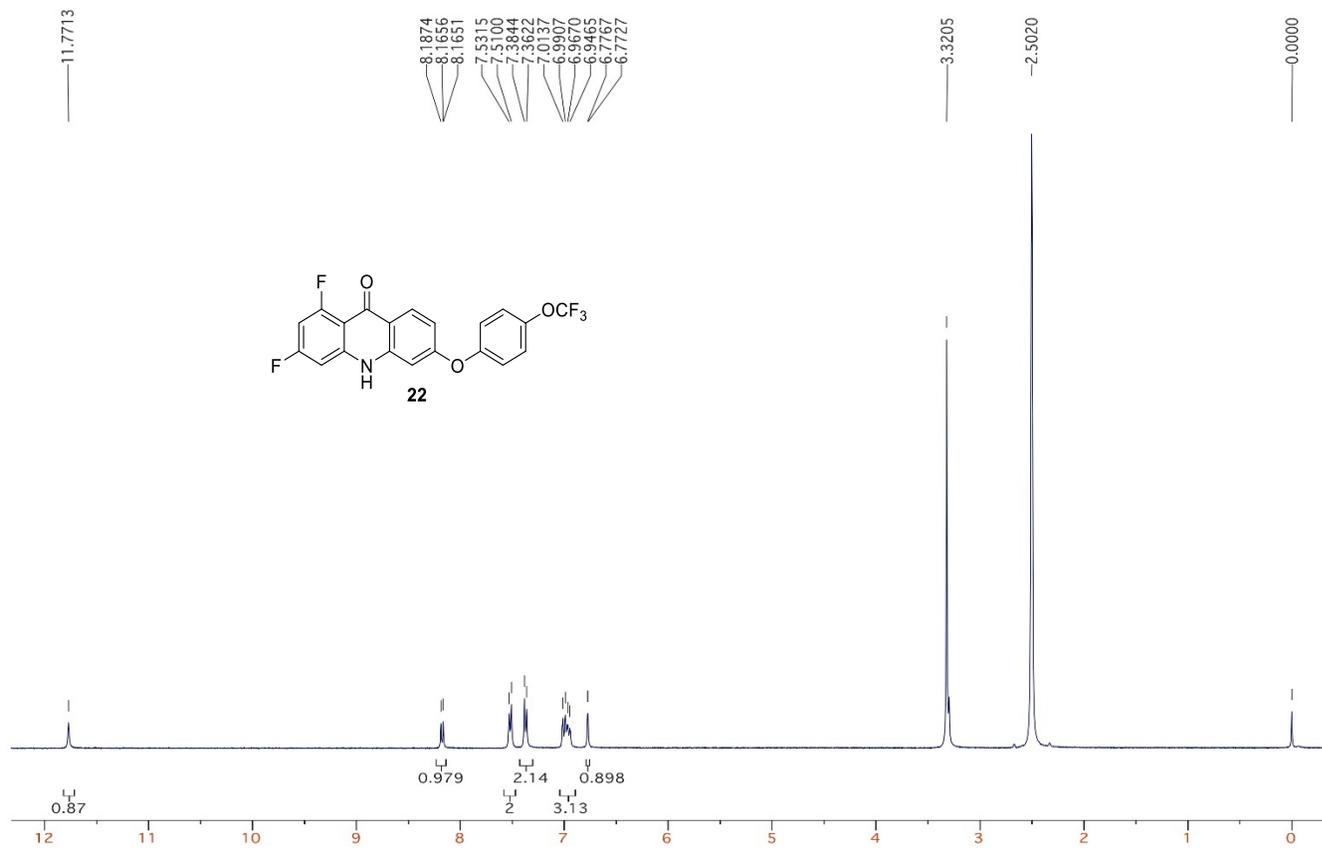
[&]Global Public Health Program, Dominican University of California, San Rafael CA 94901

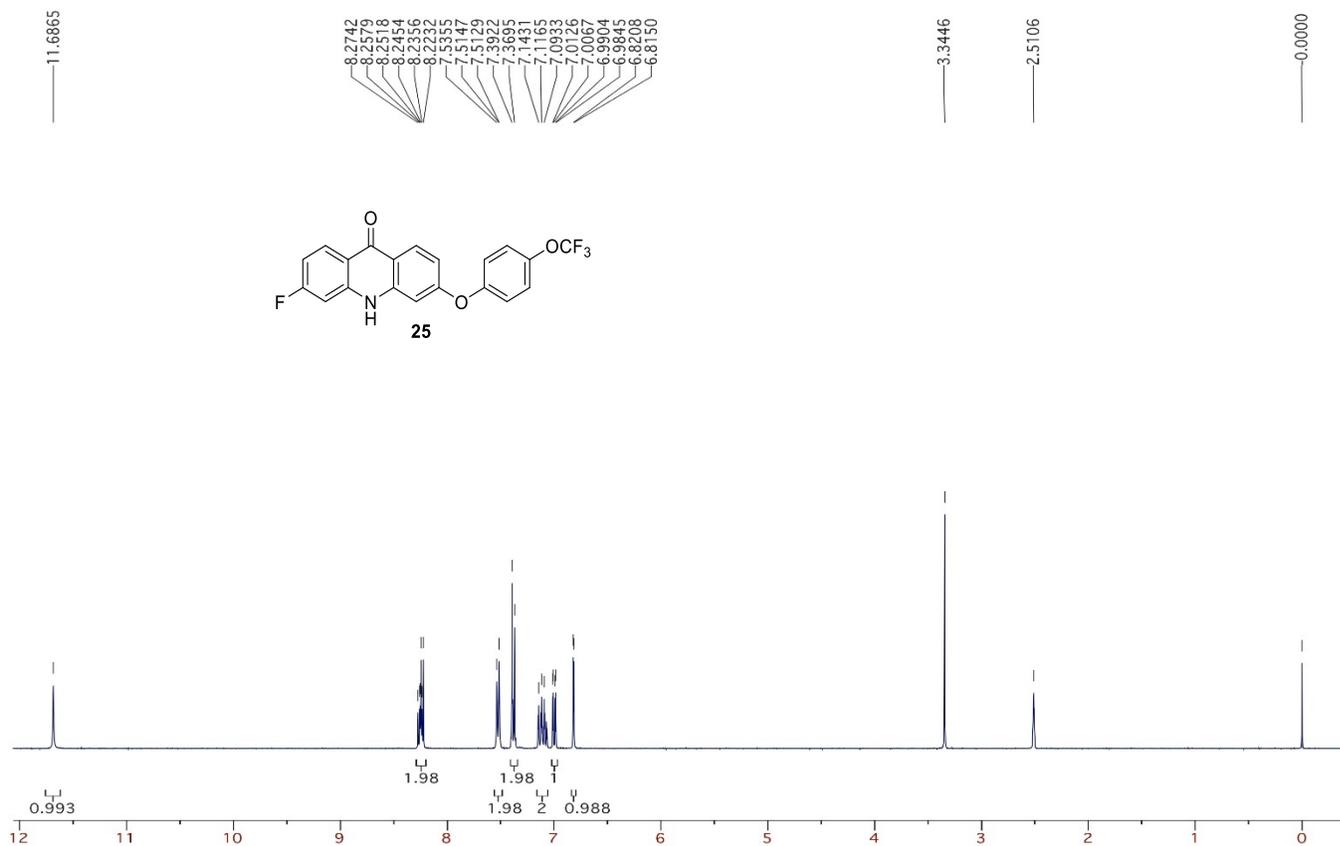
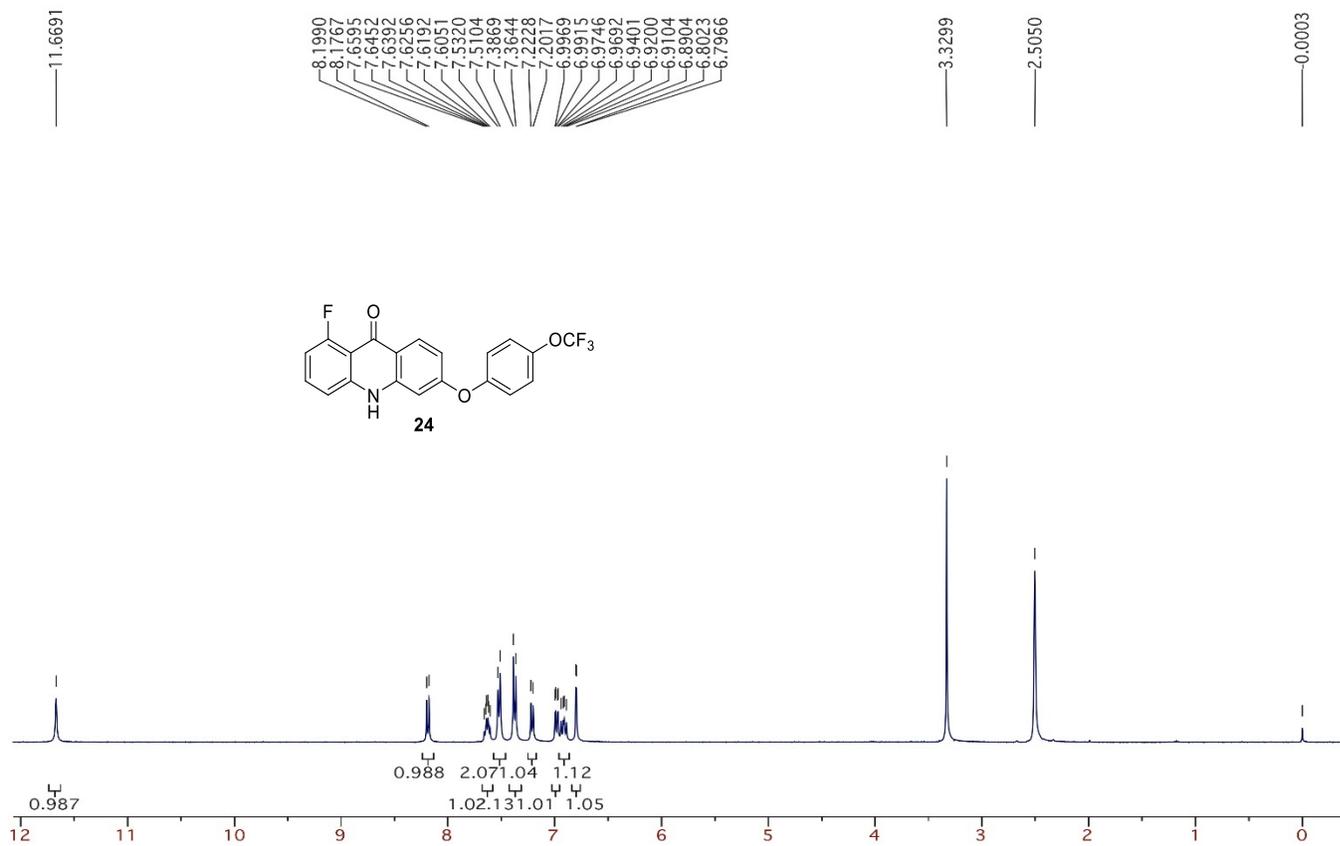
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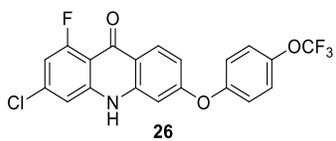
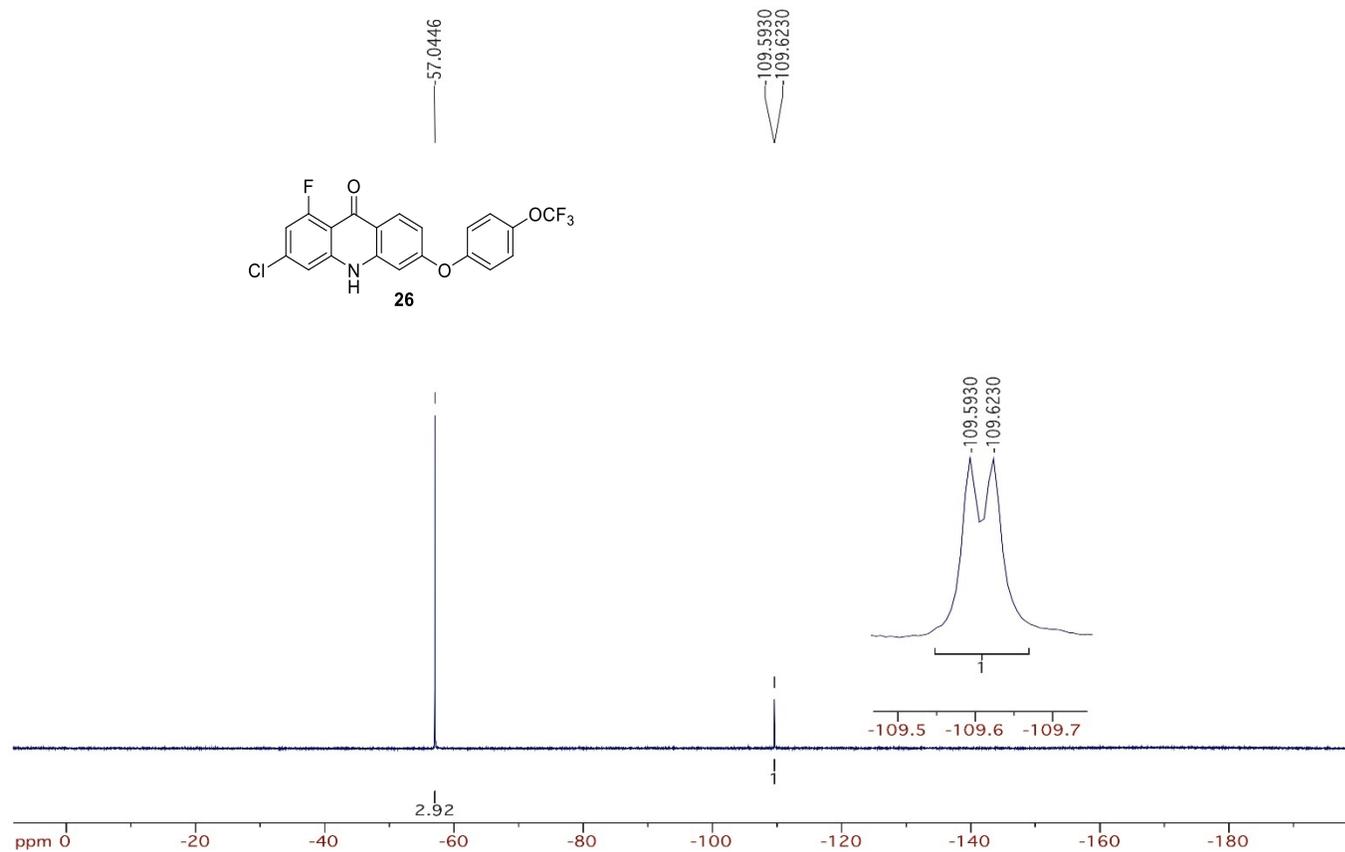
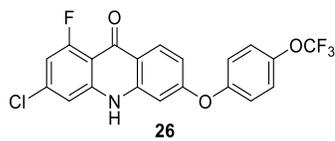
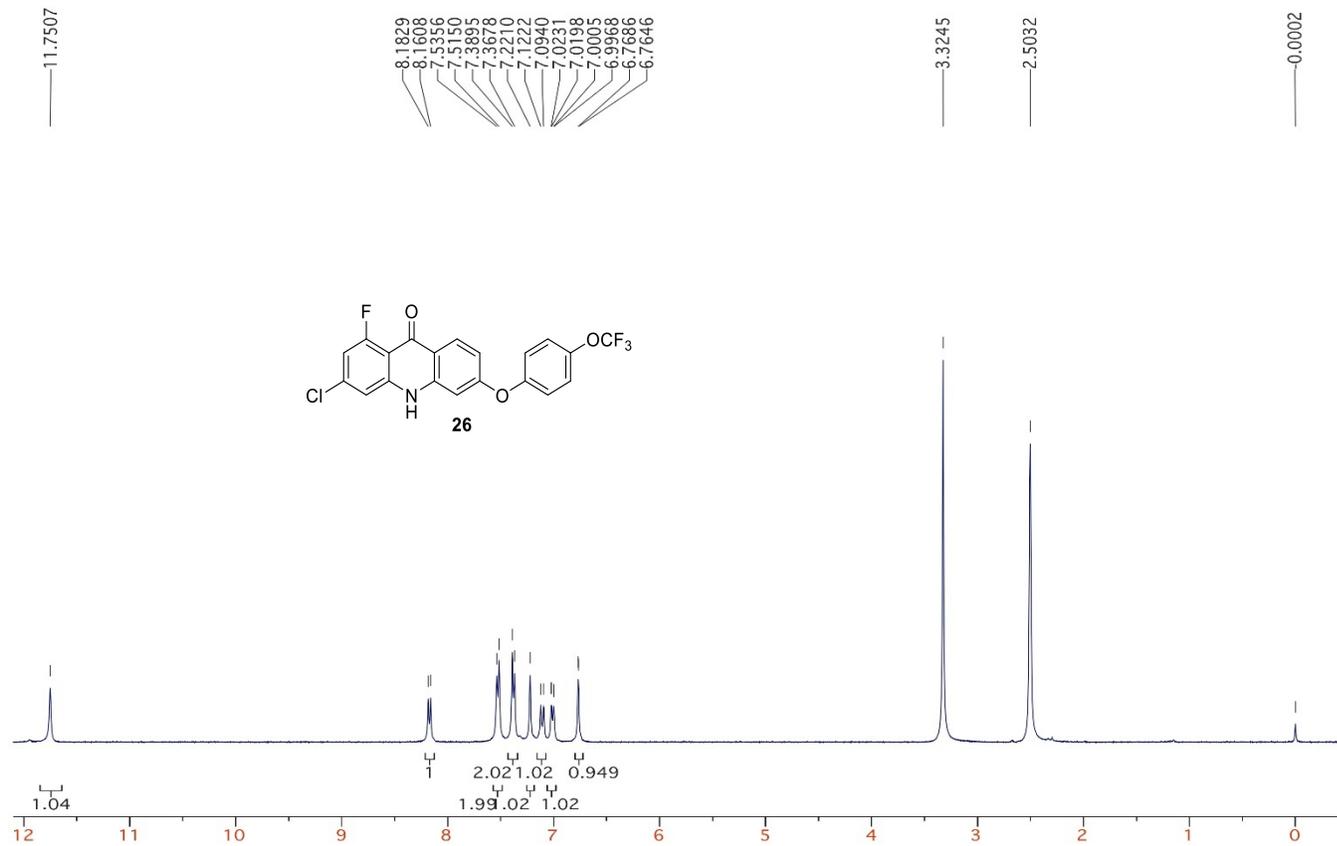
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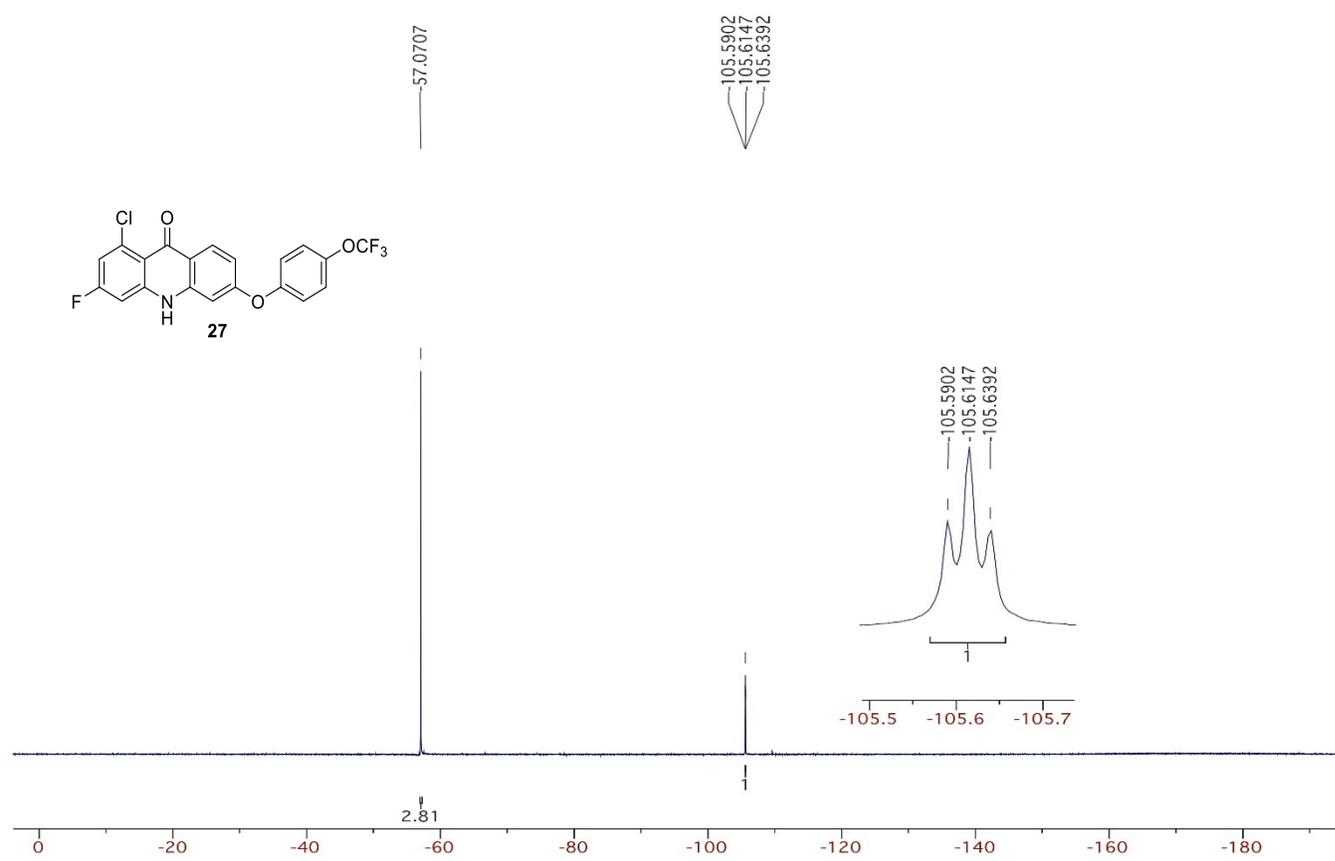
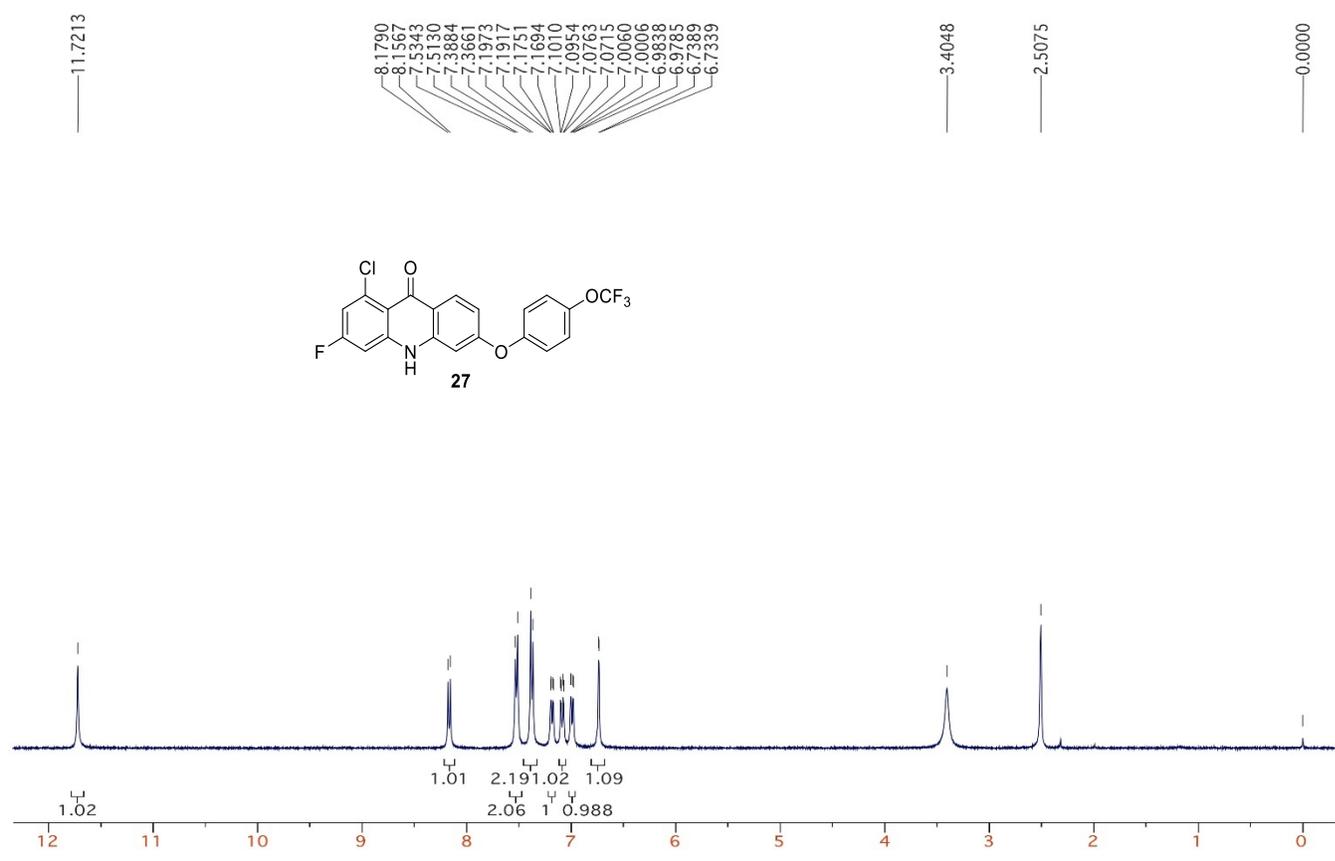


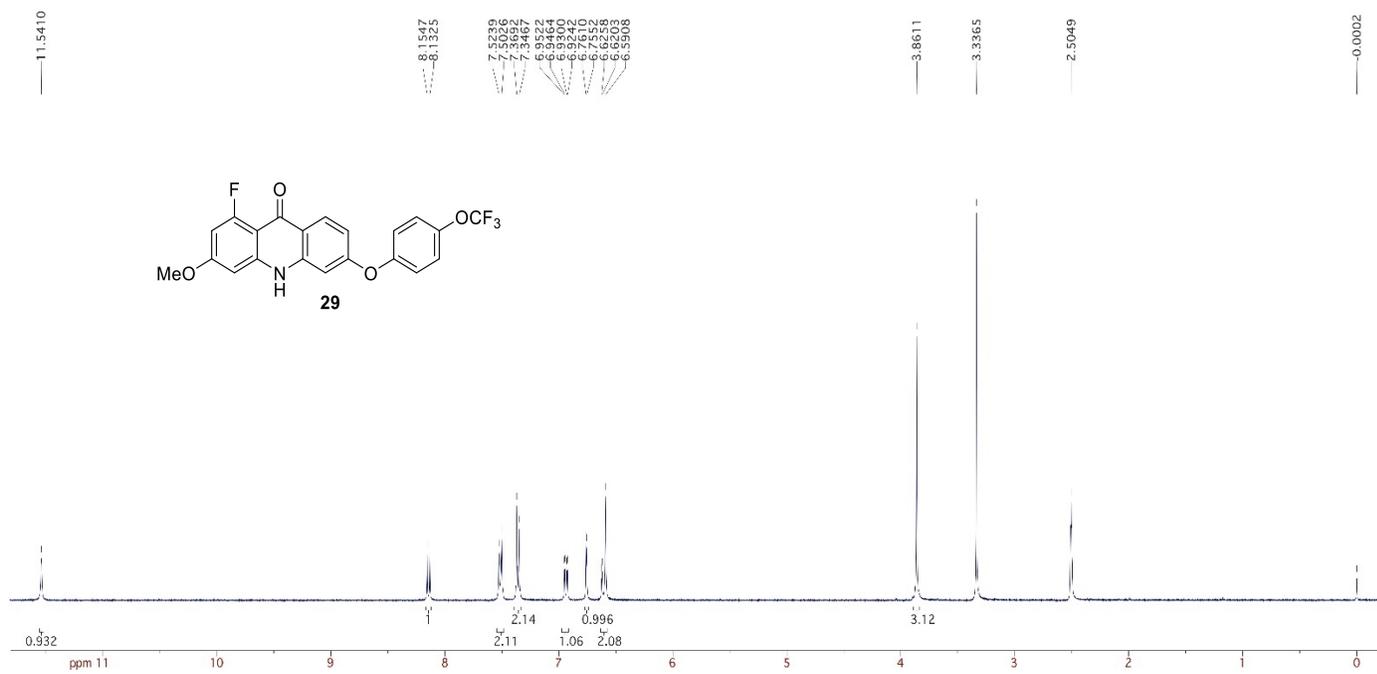
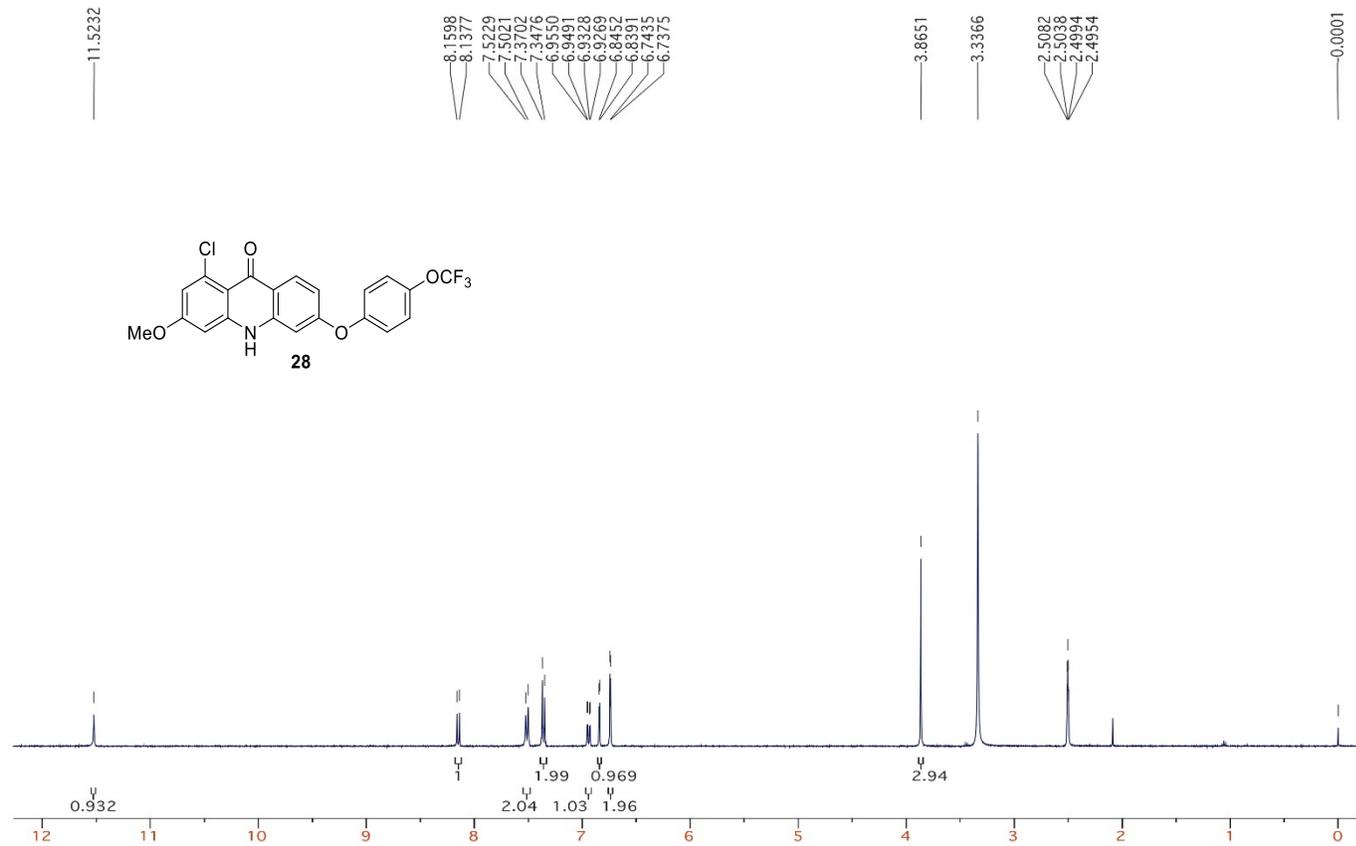


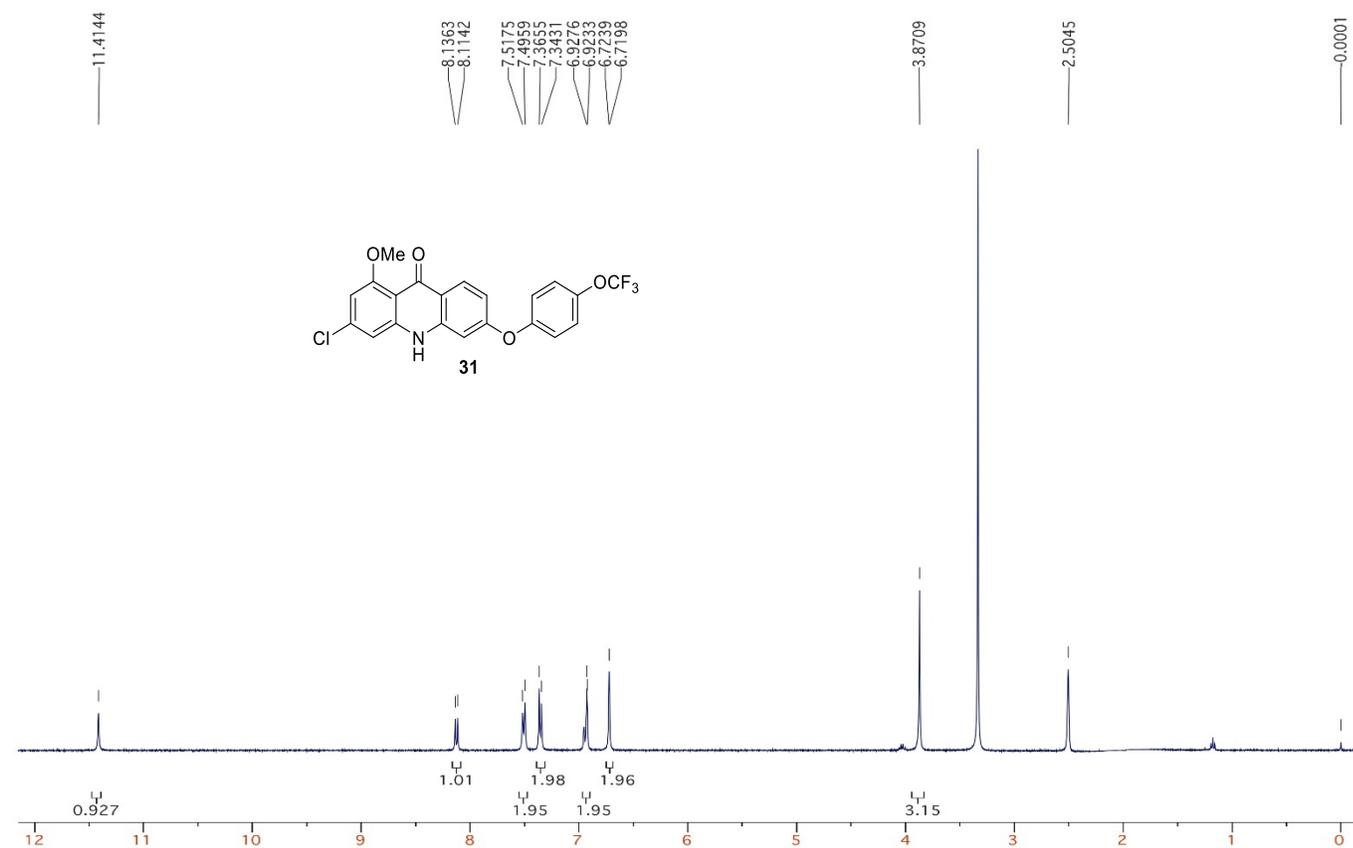
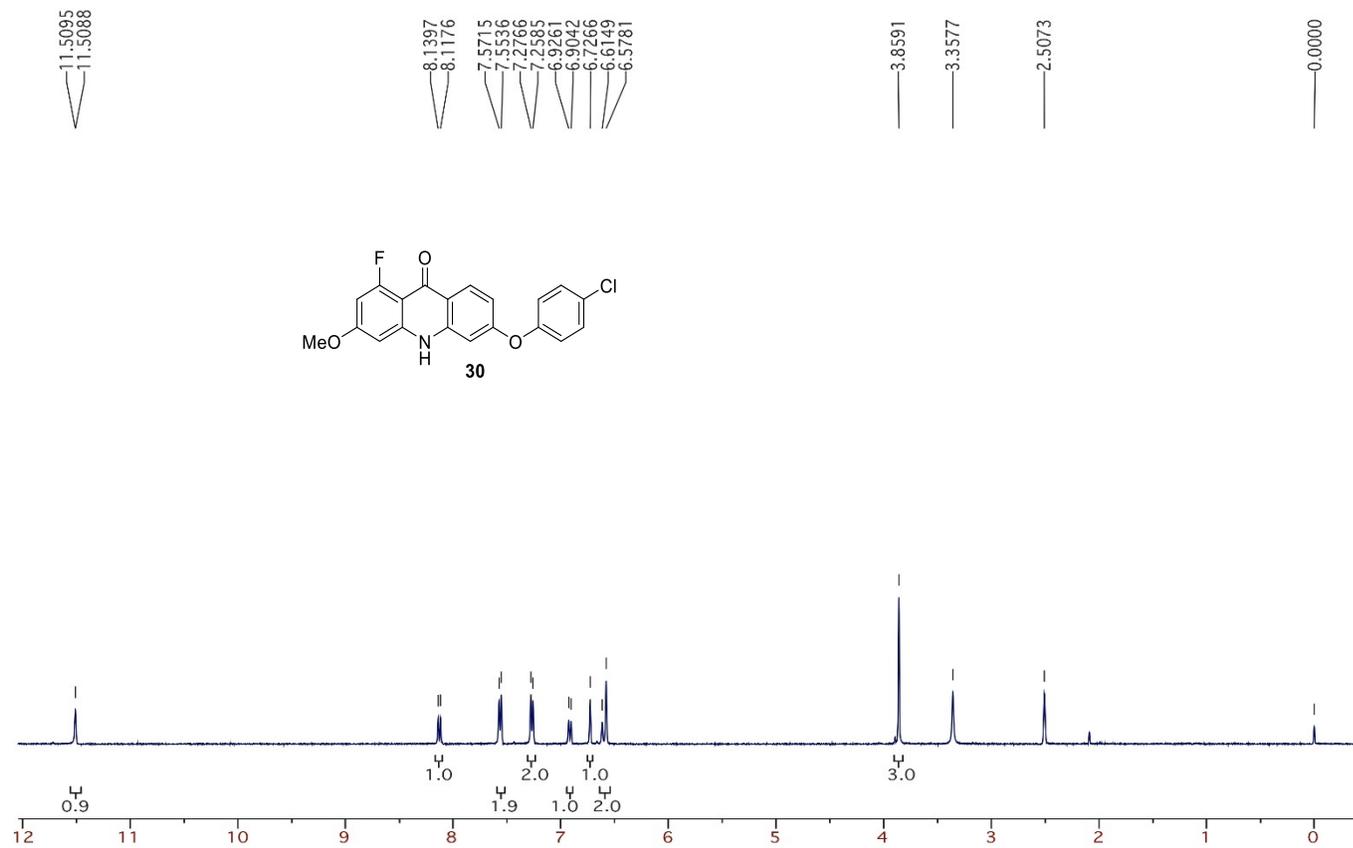


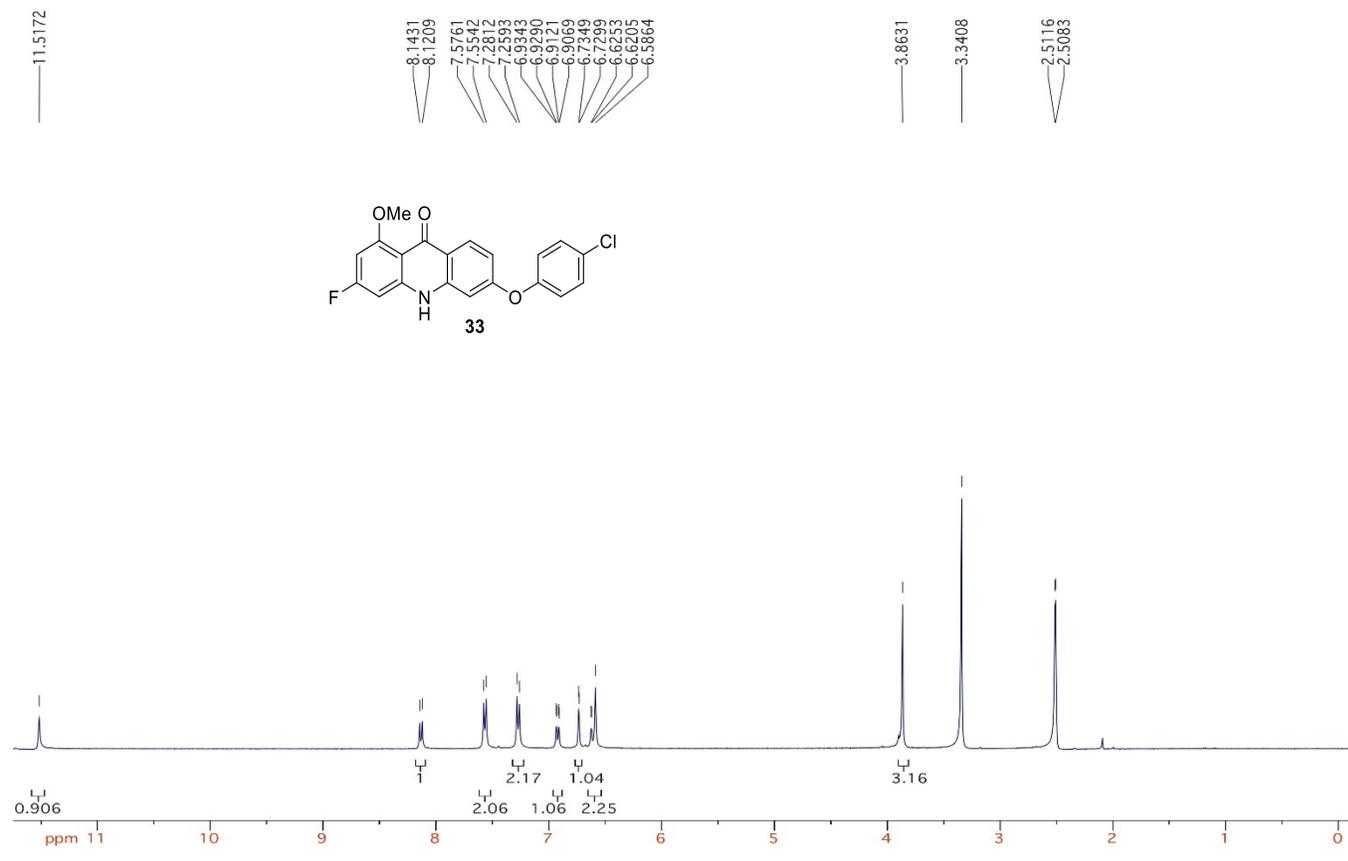
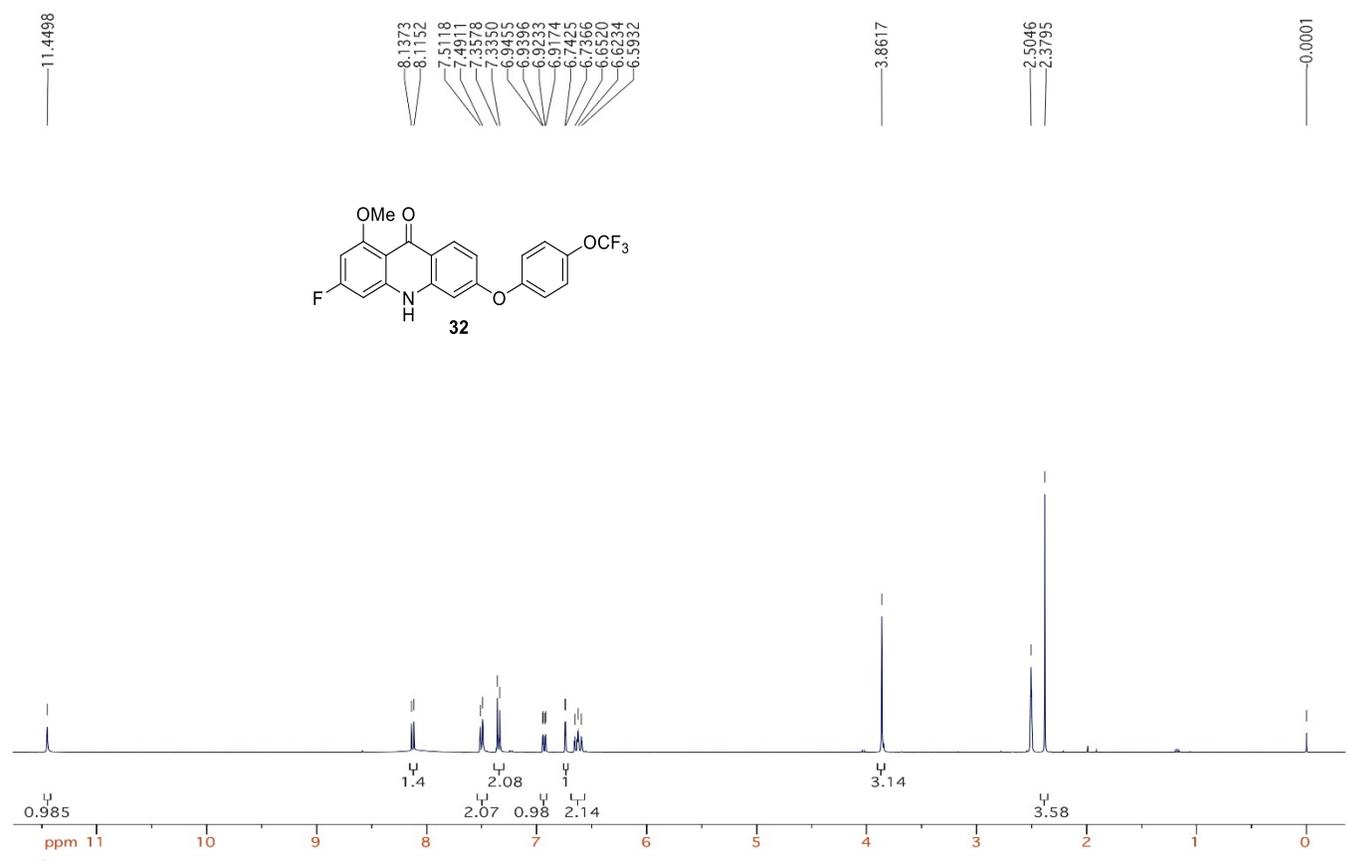


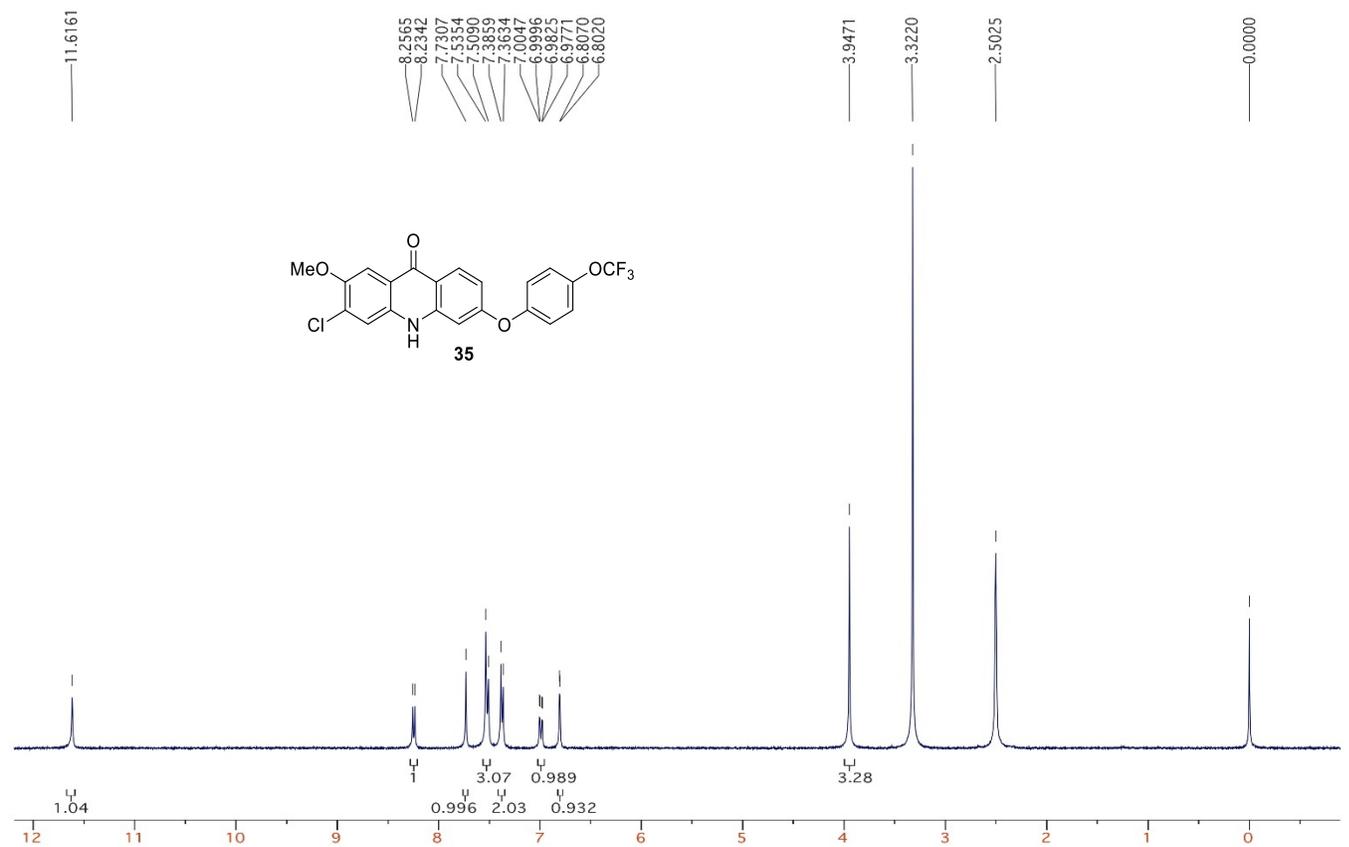
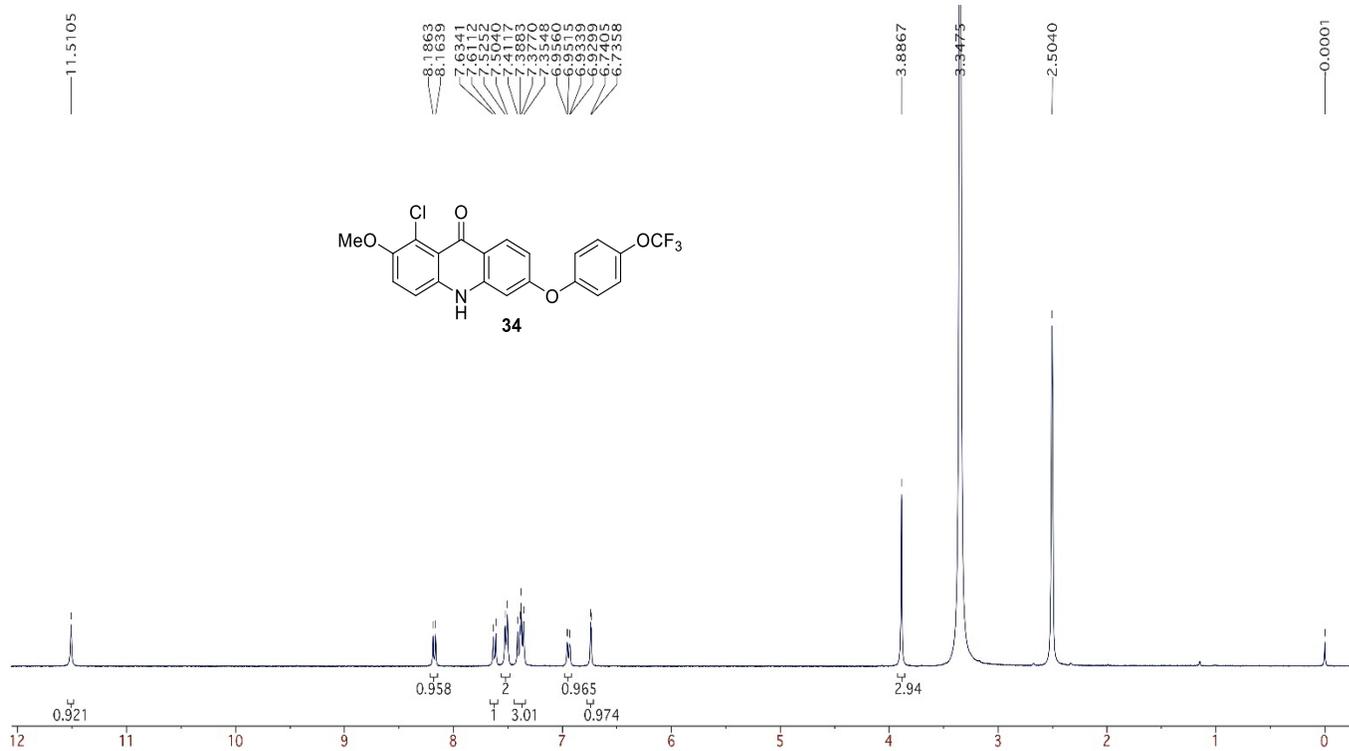


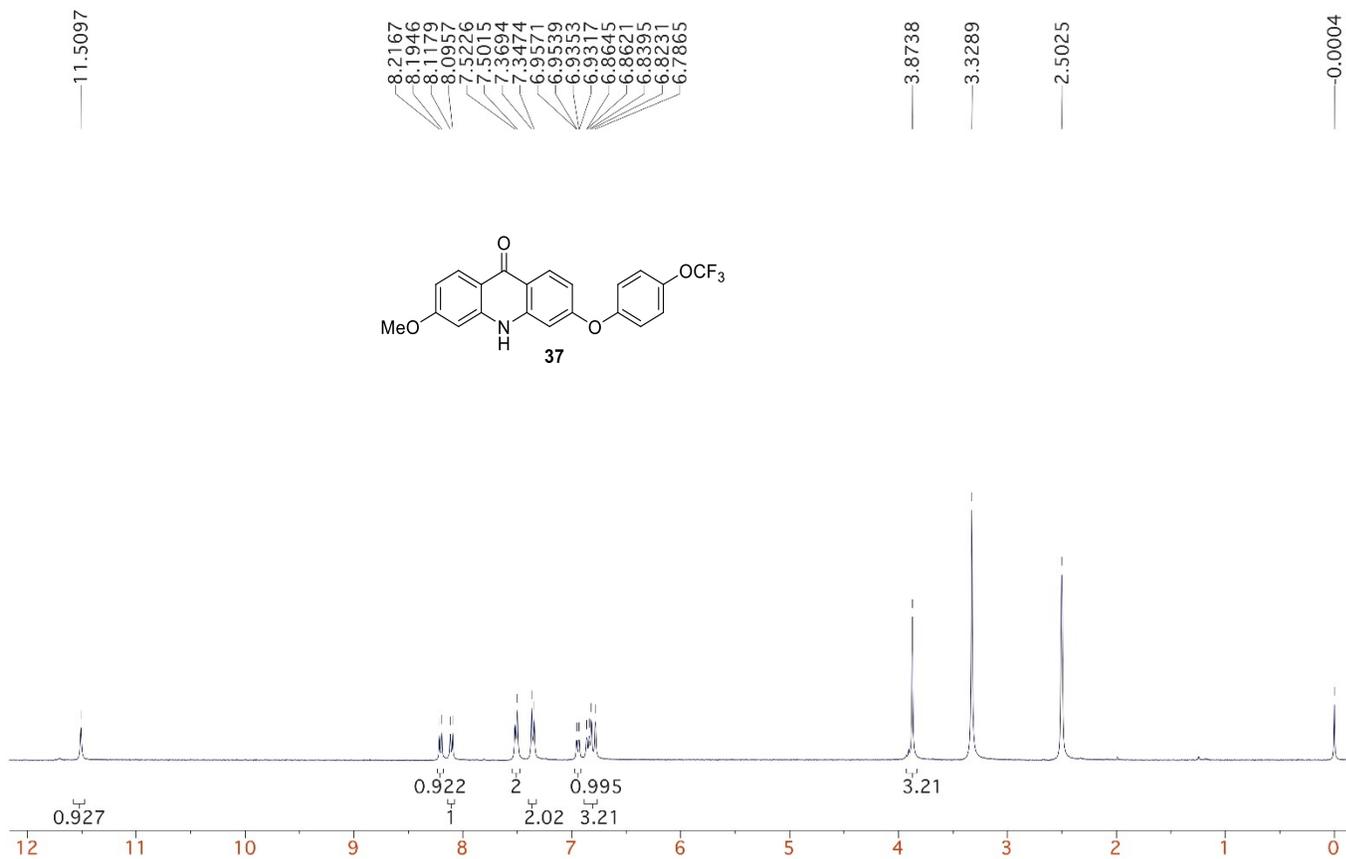
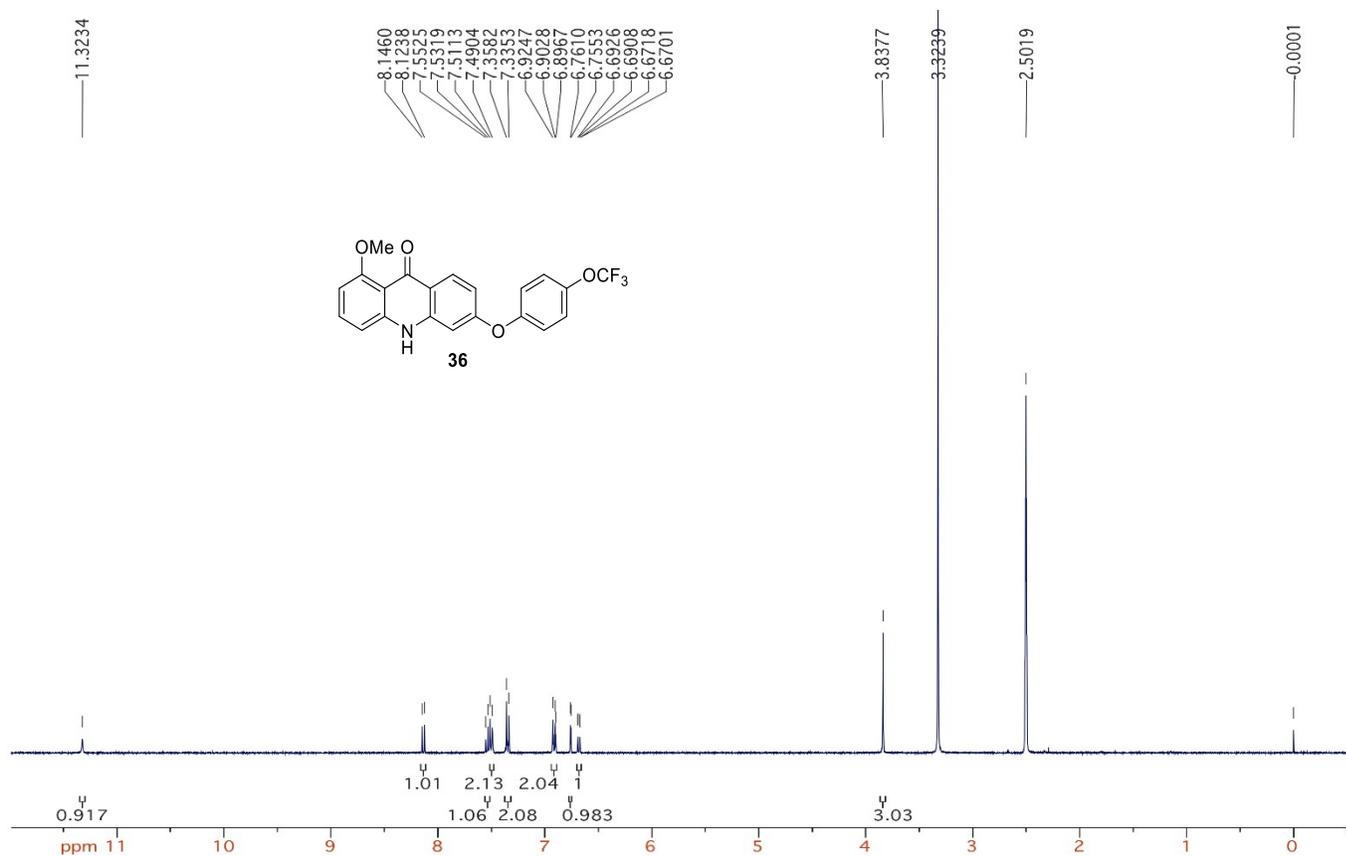


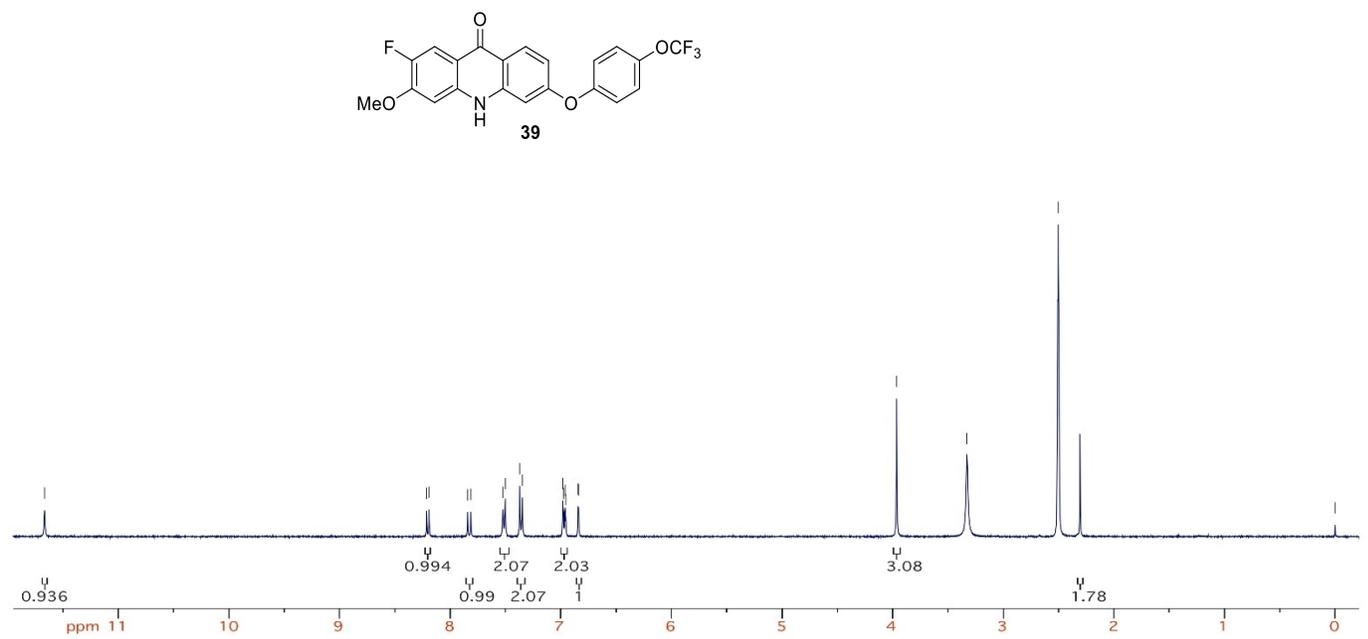
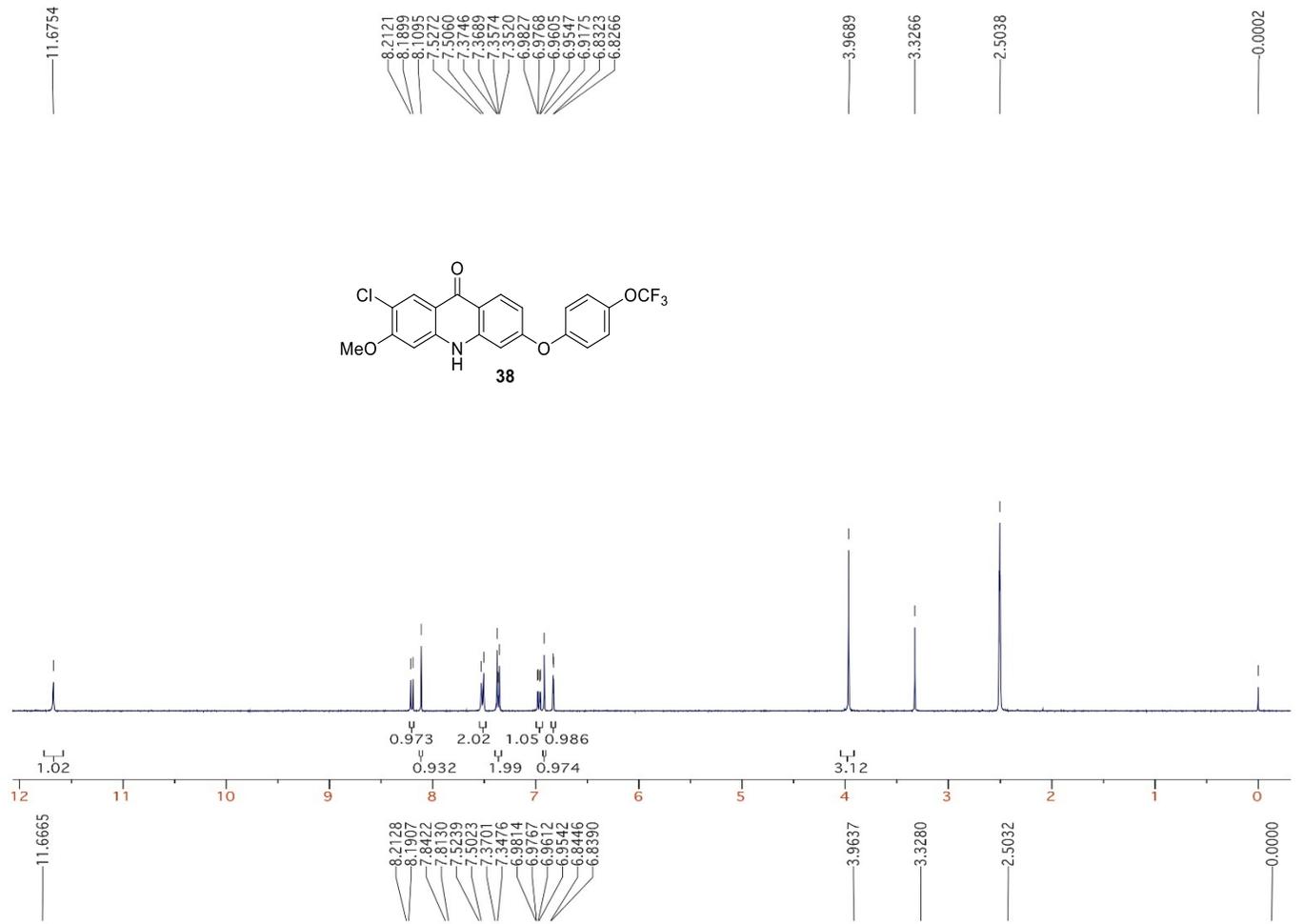


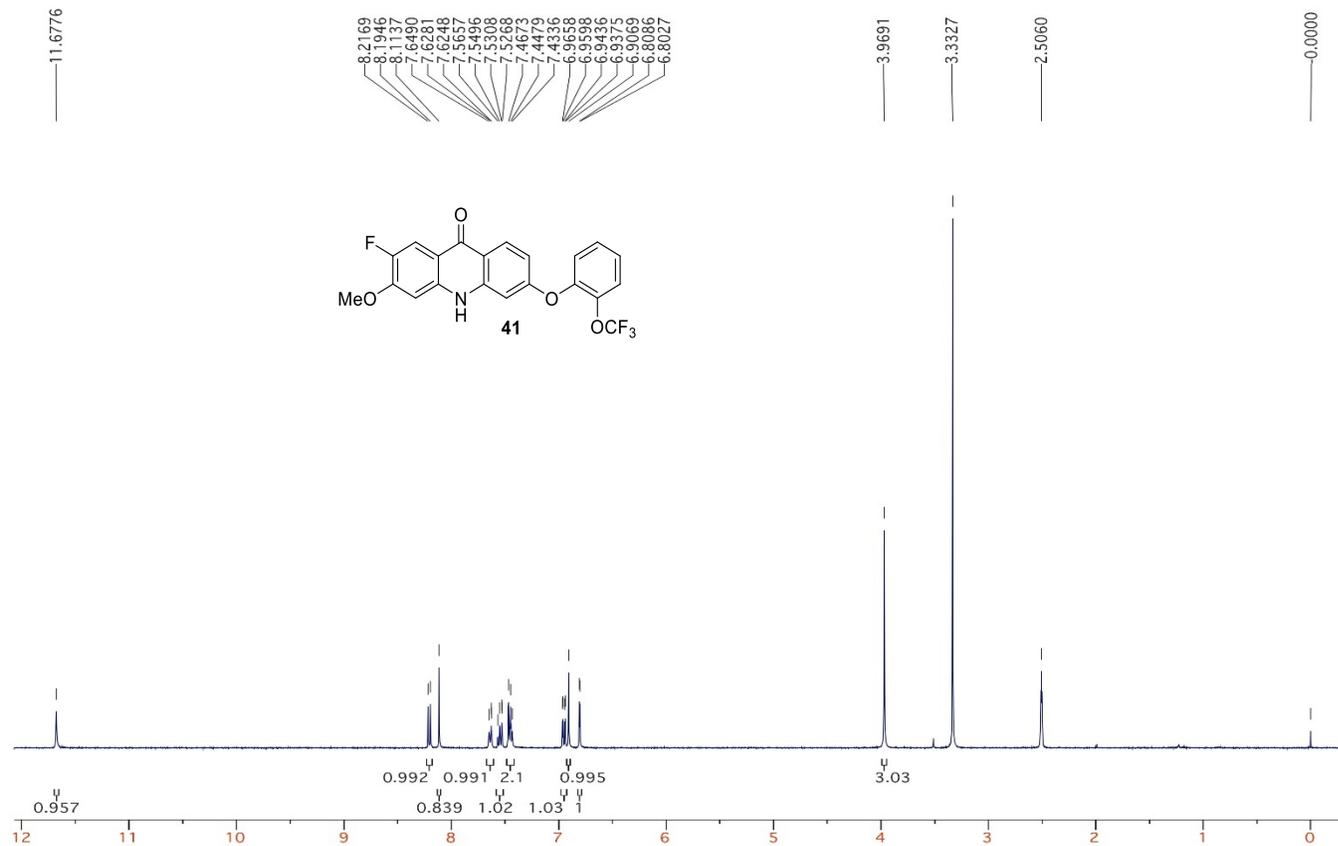
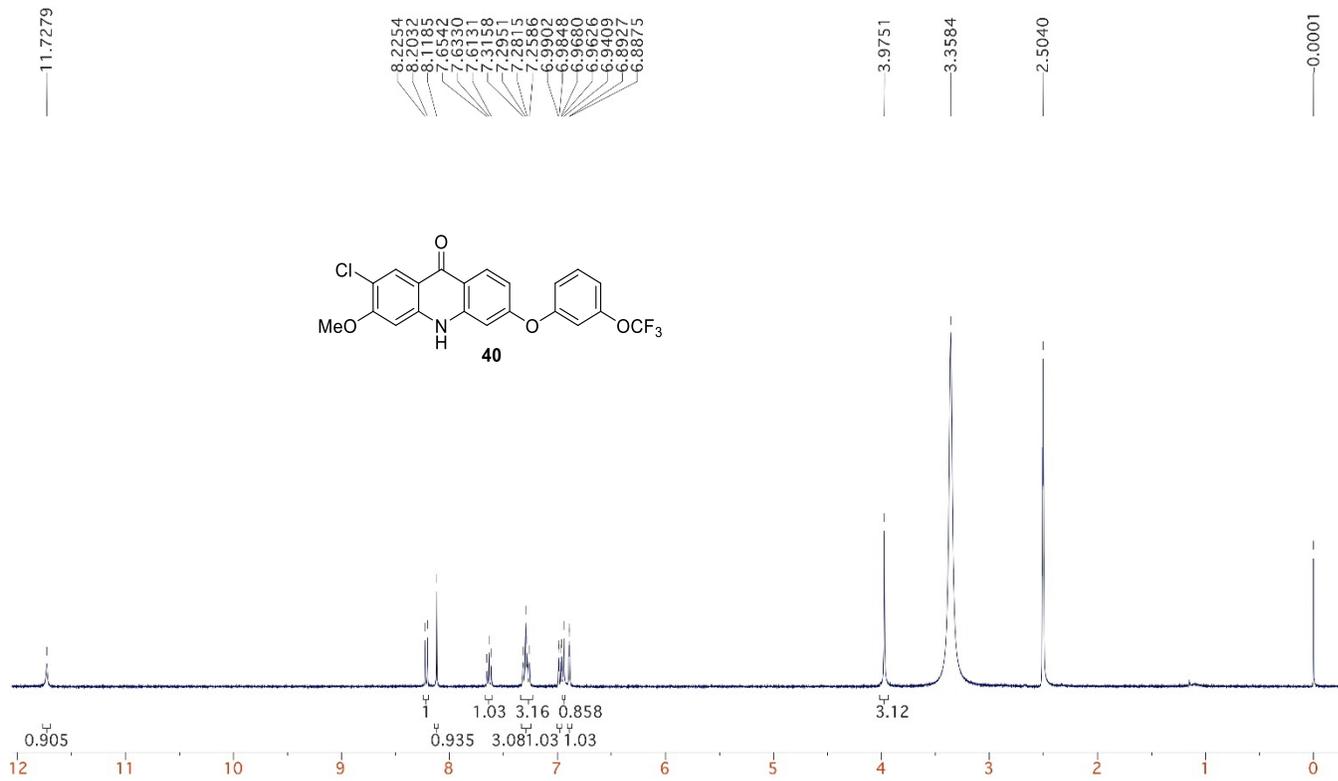


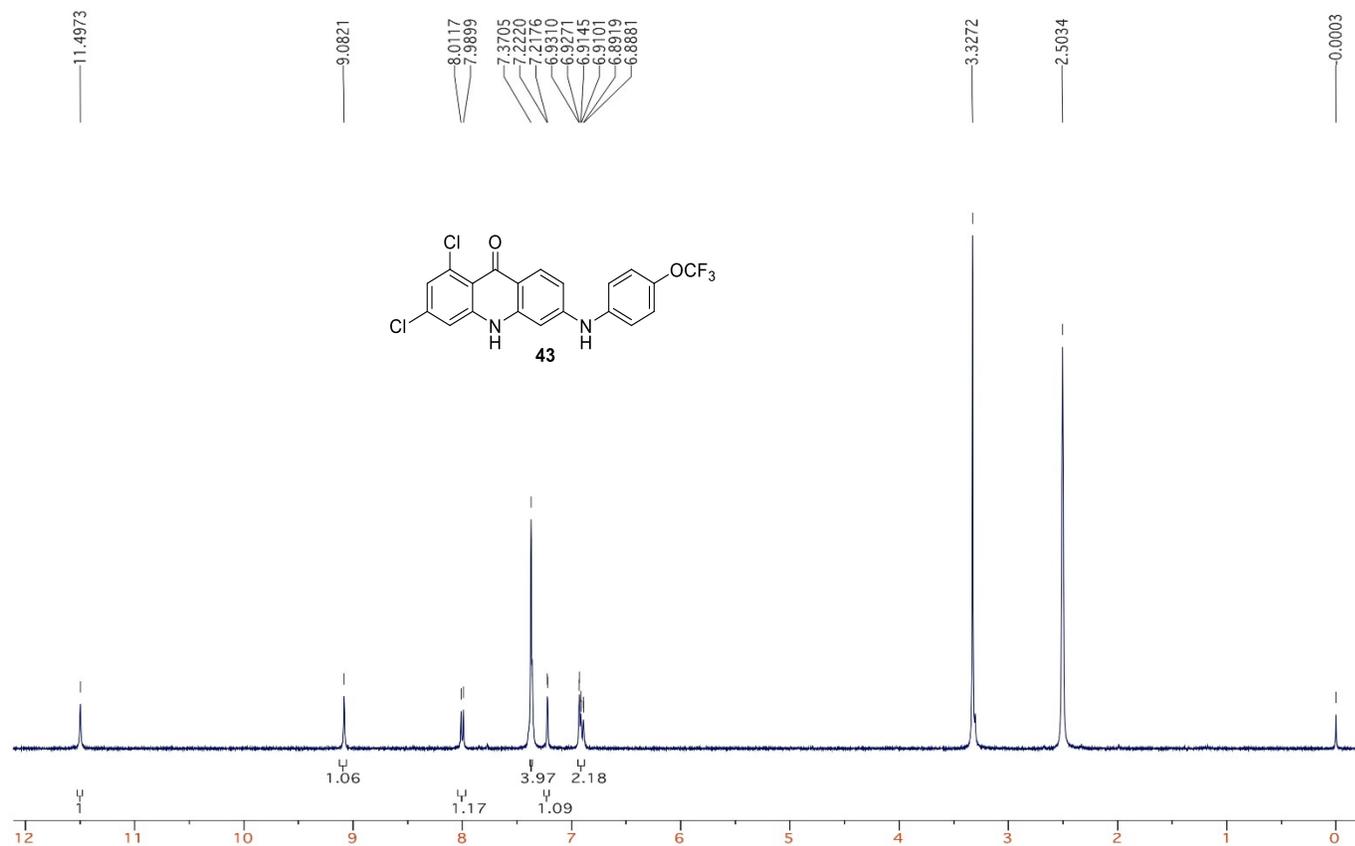
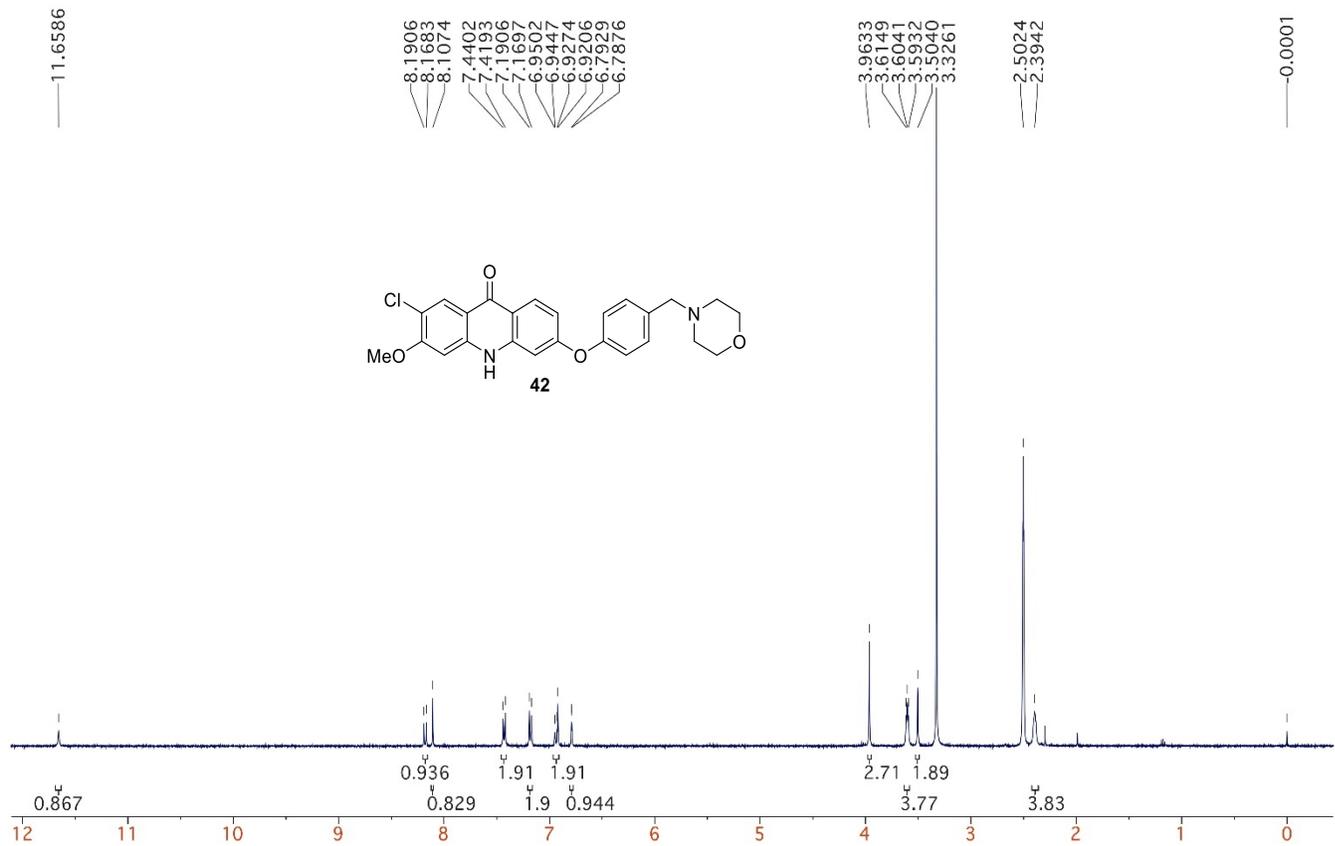


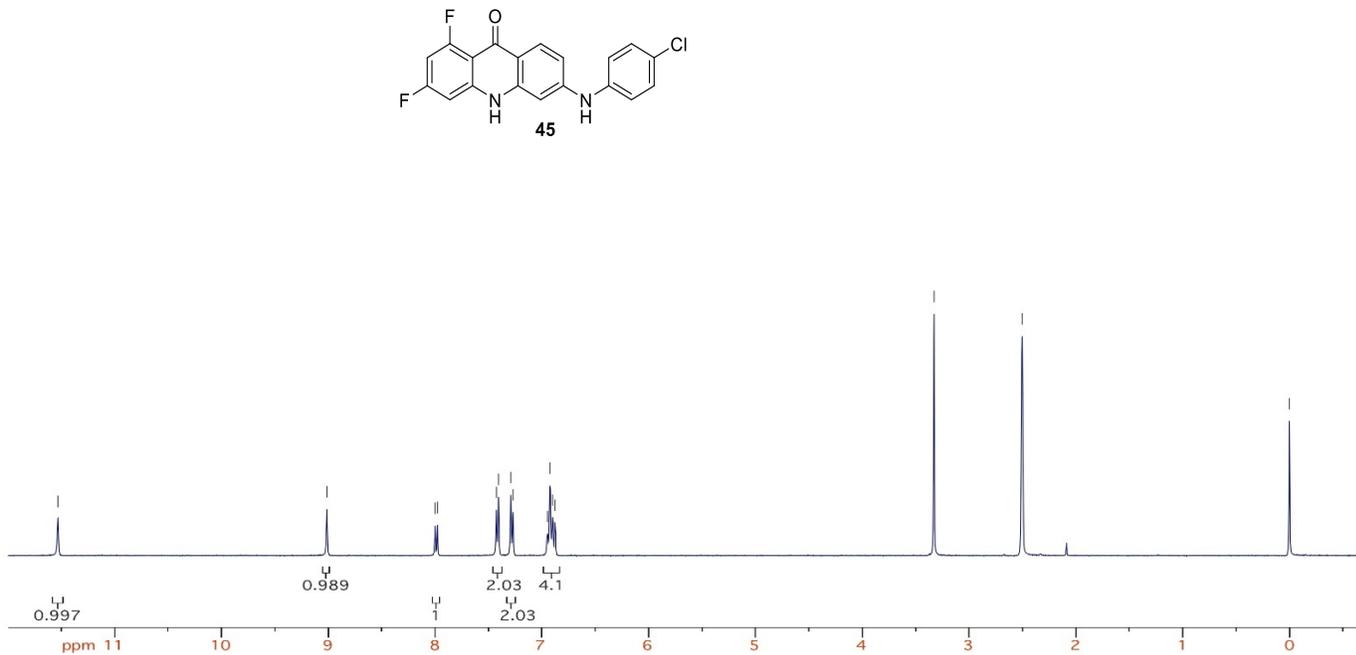
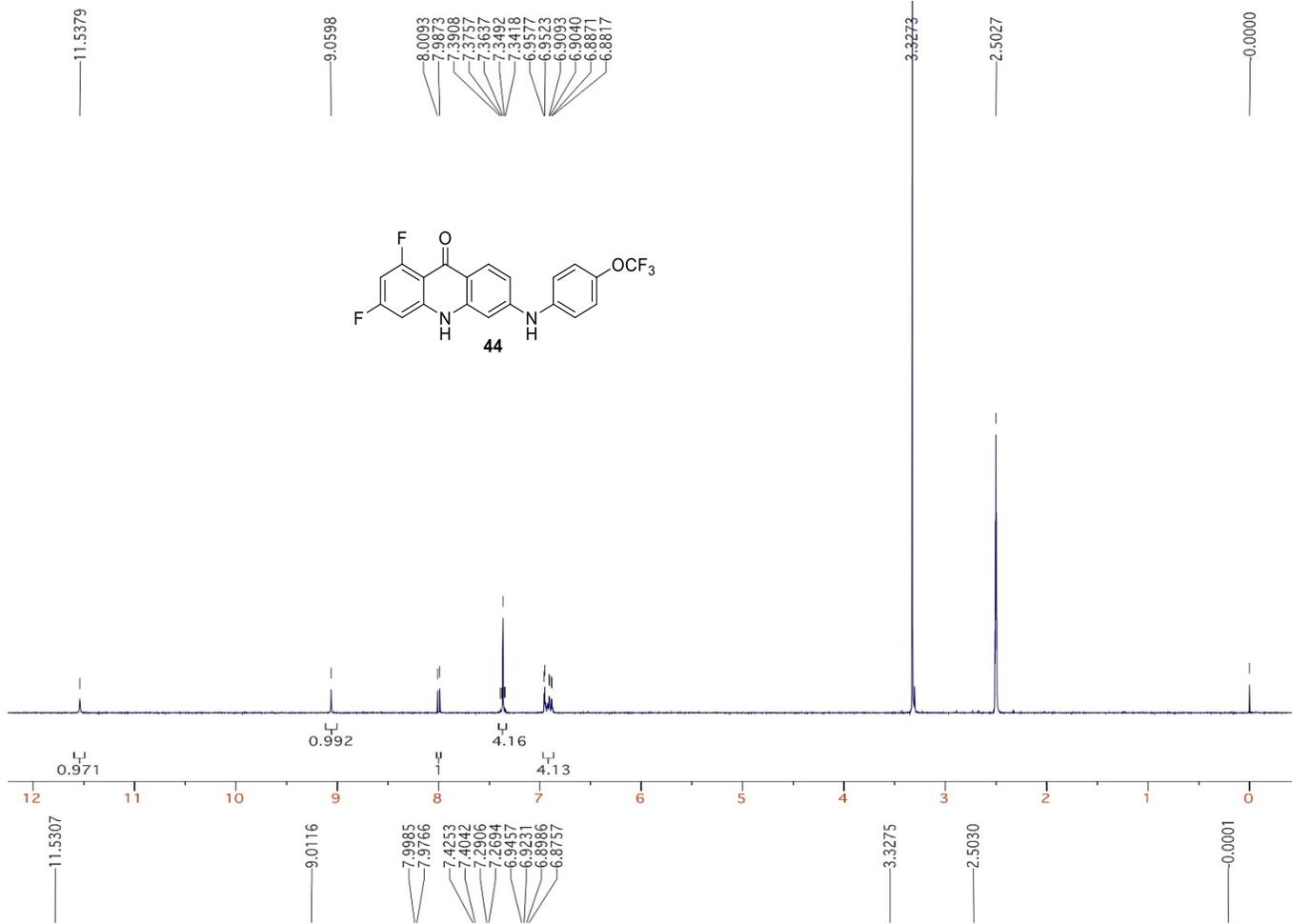


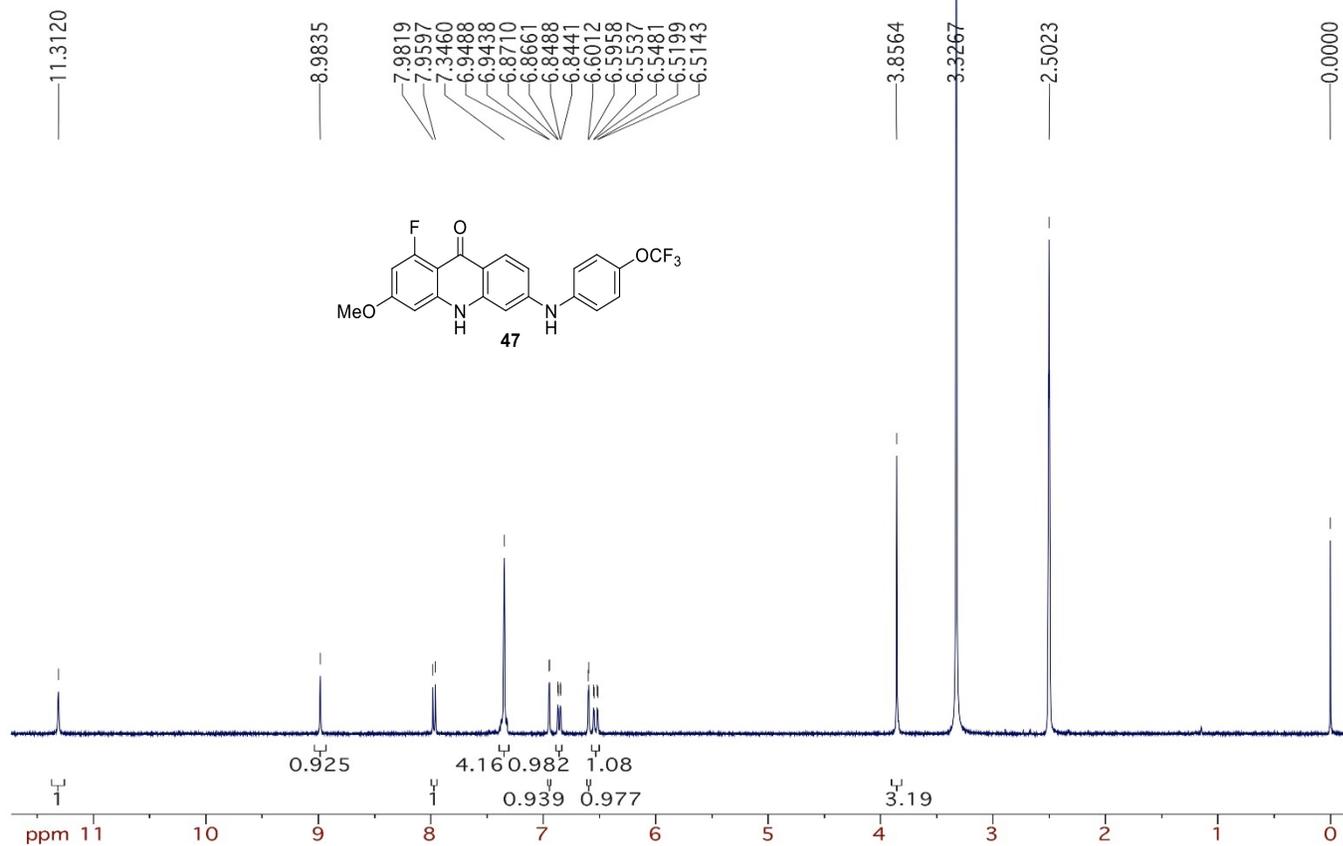
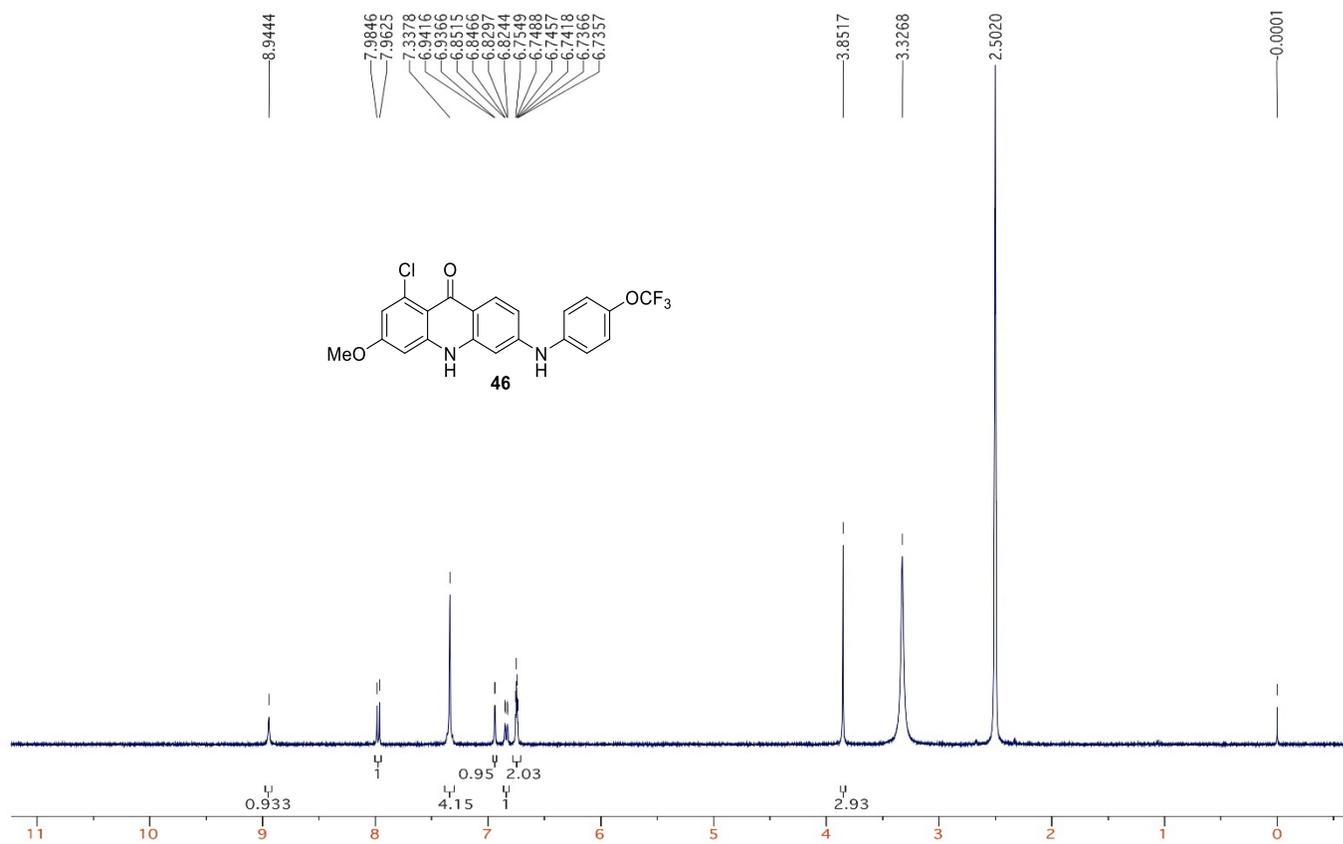


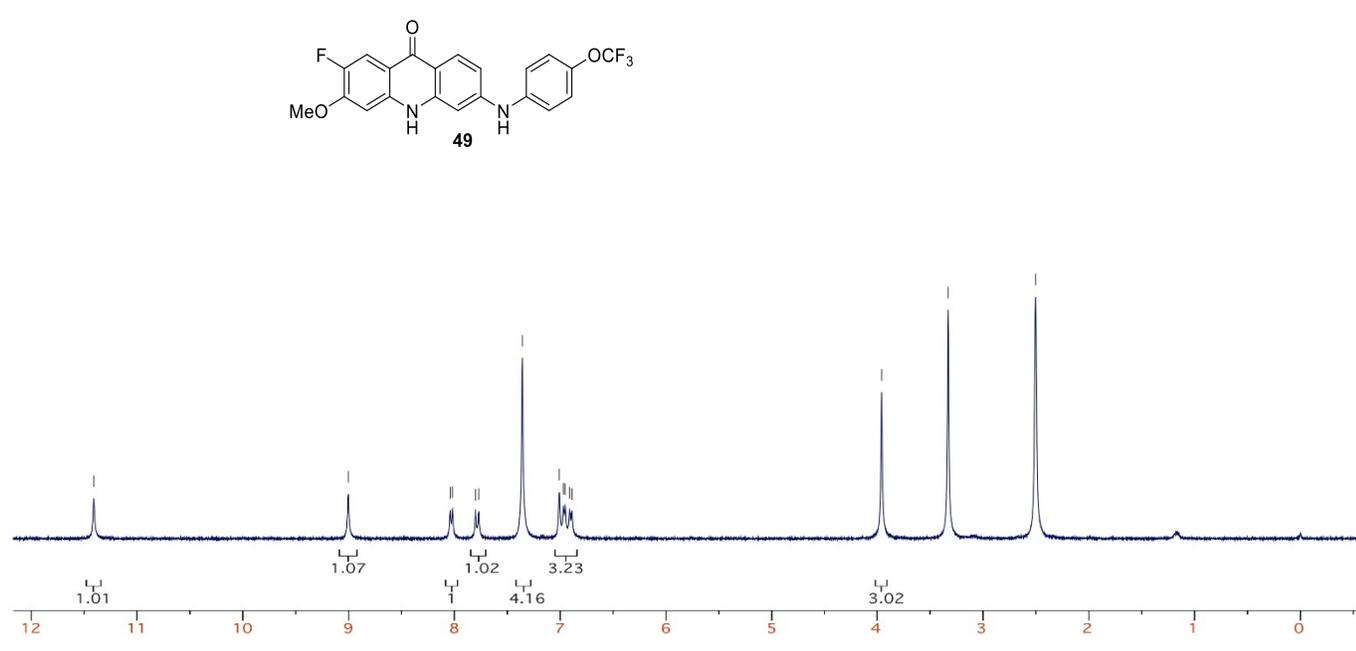
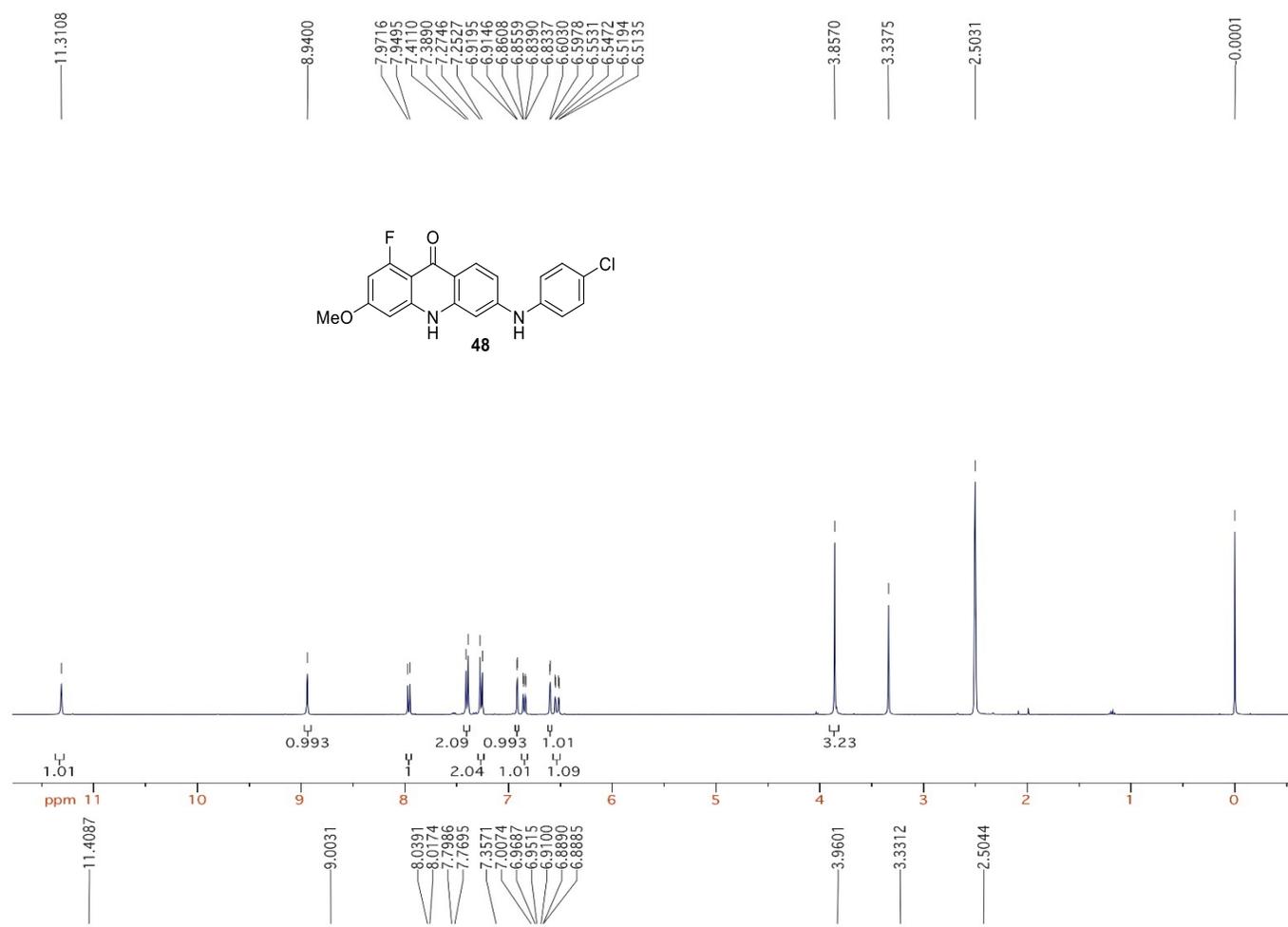


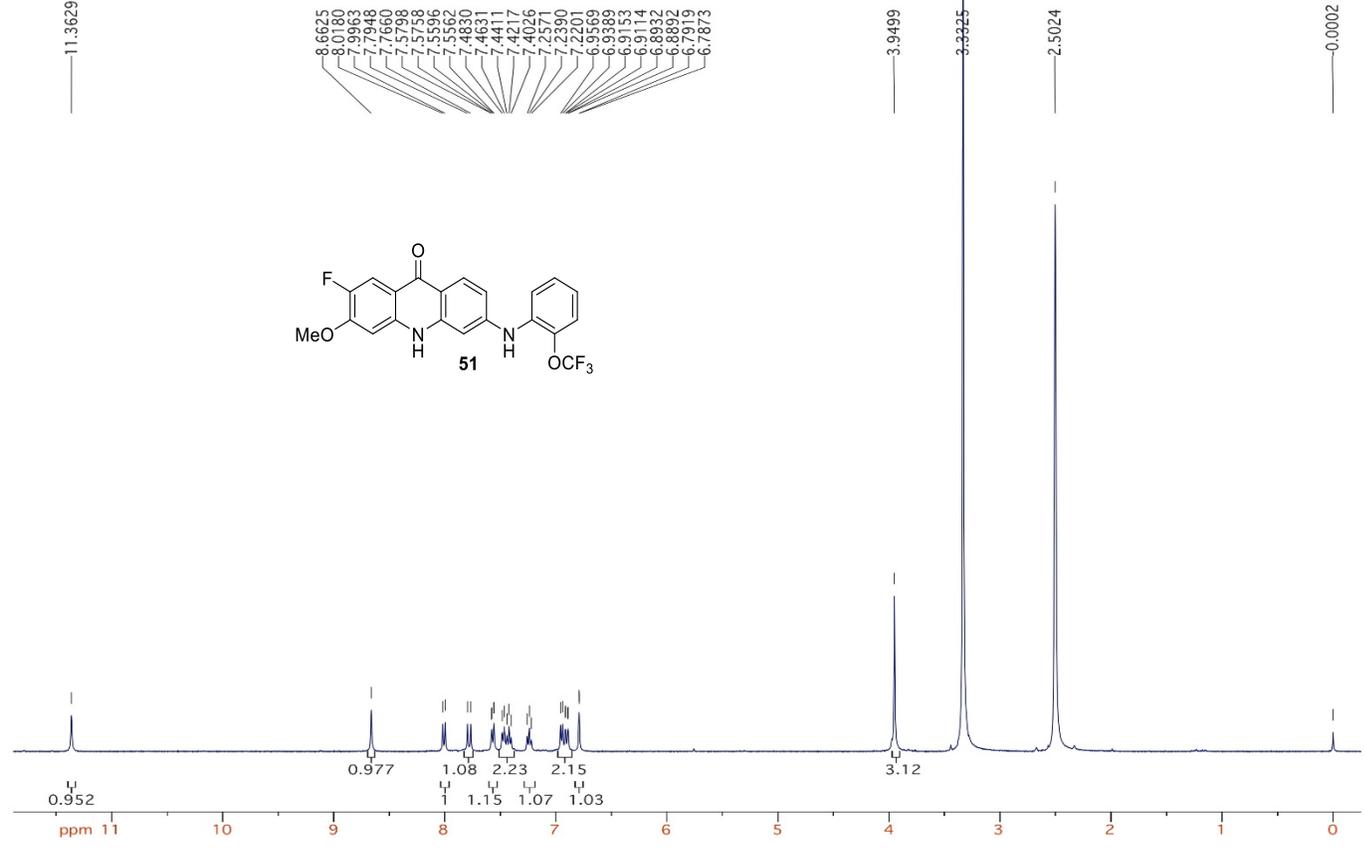
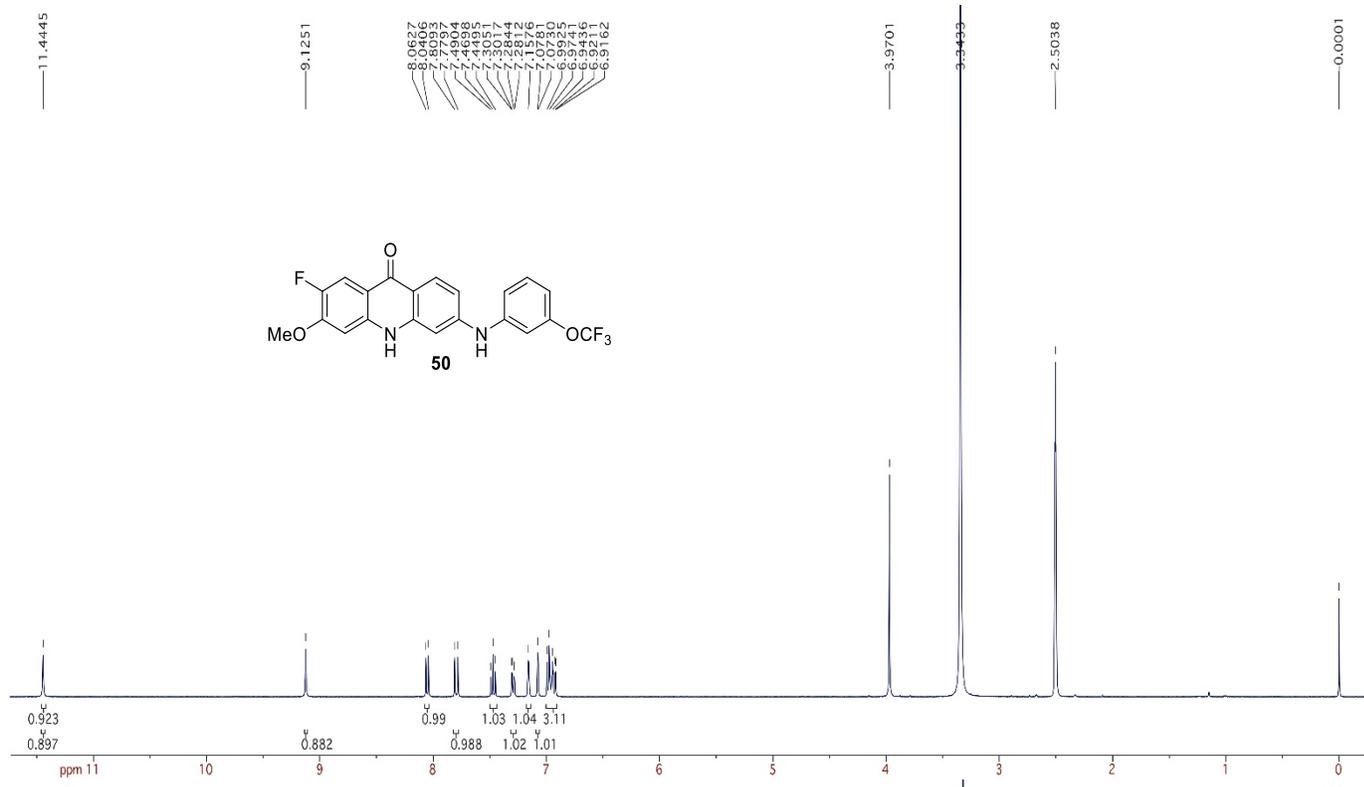


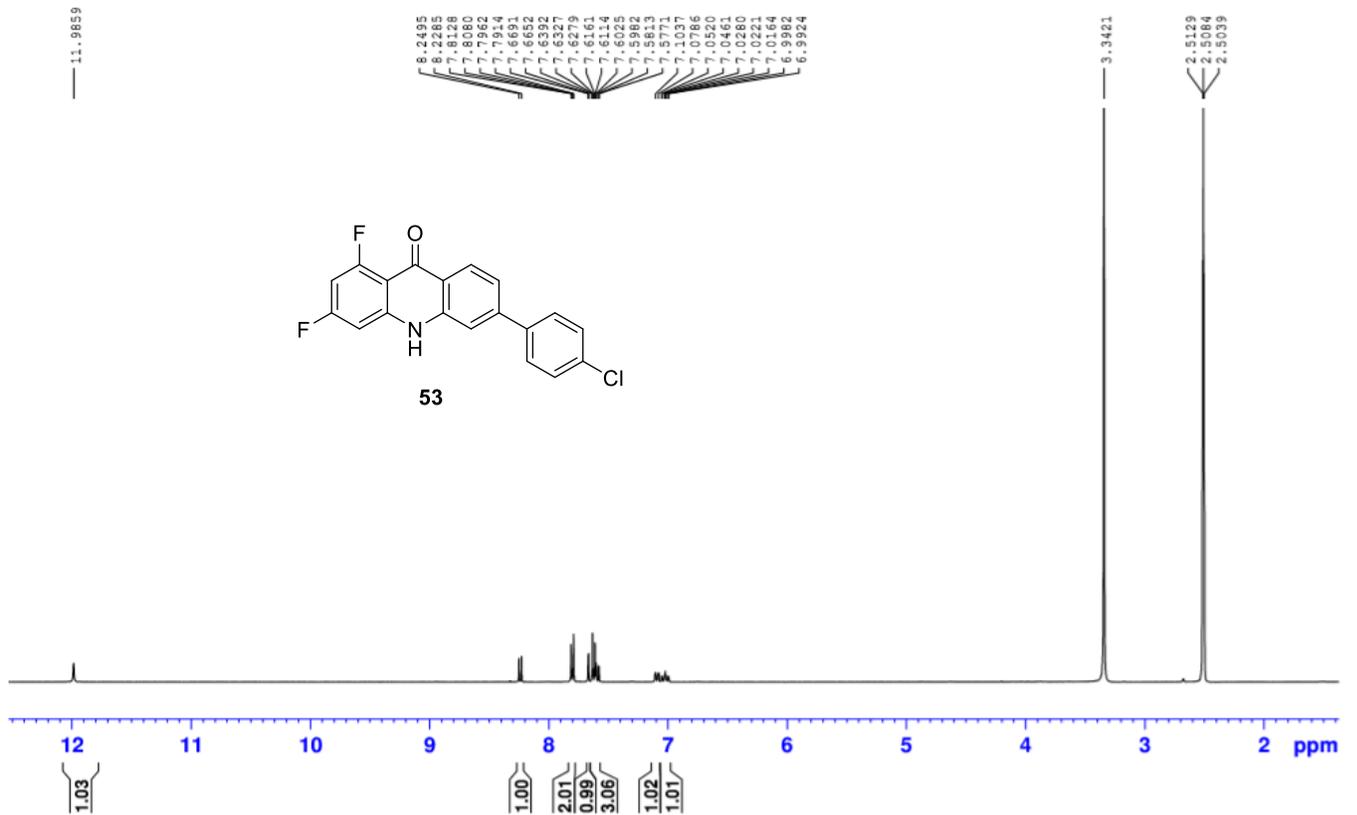
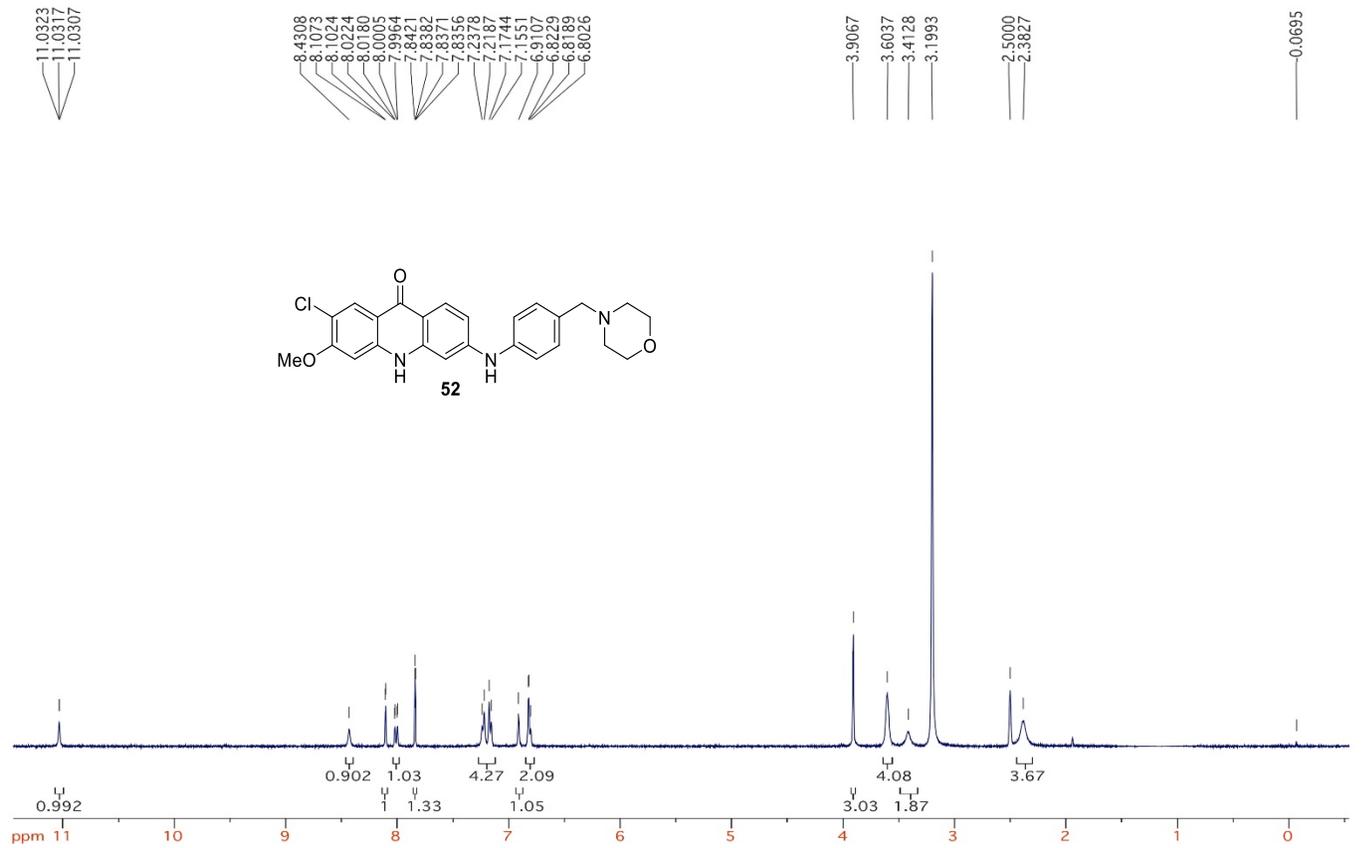


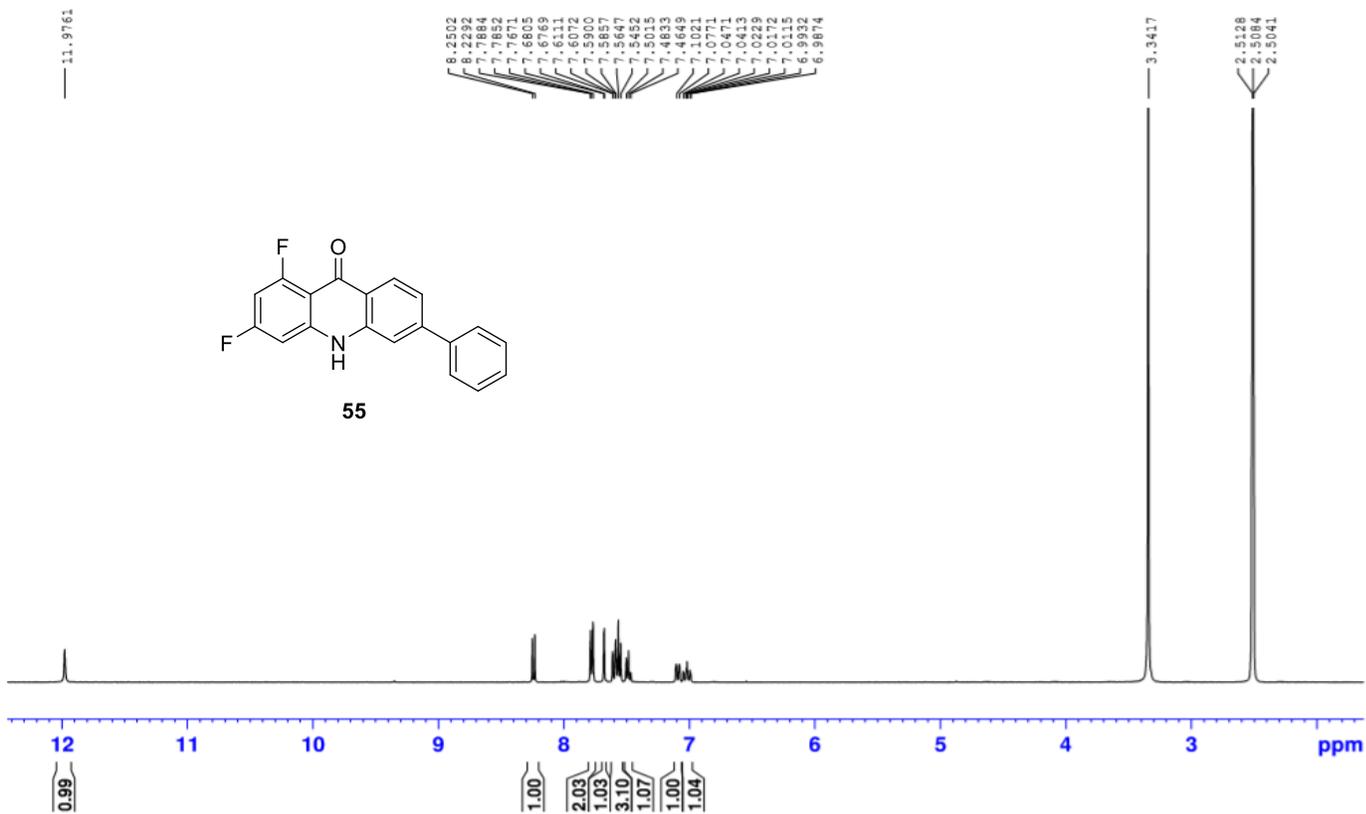
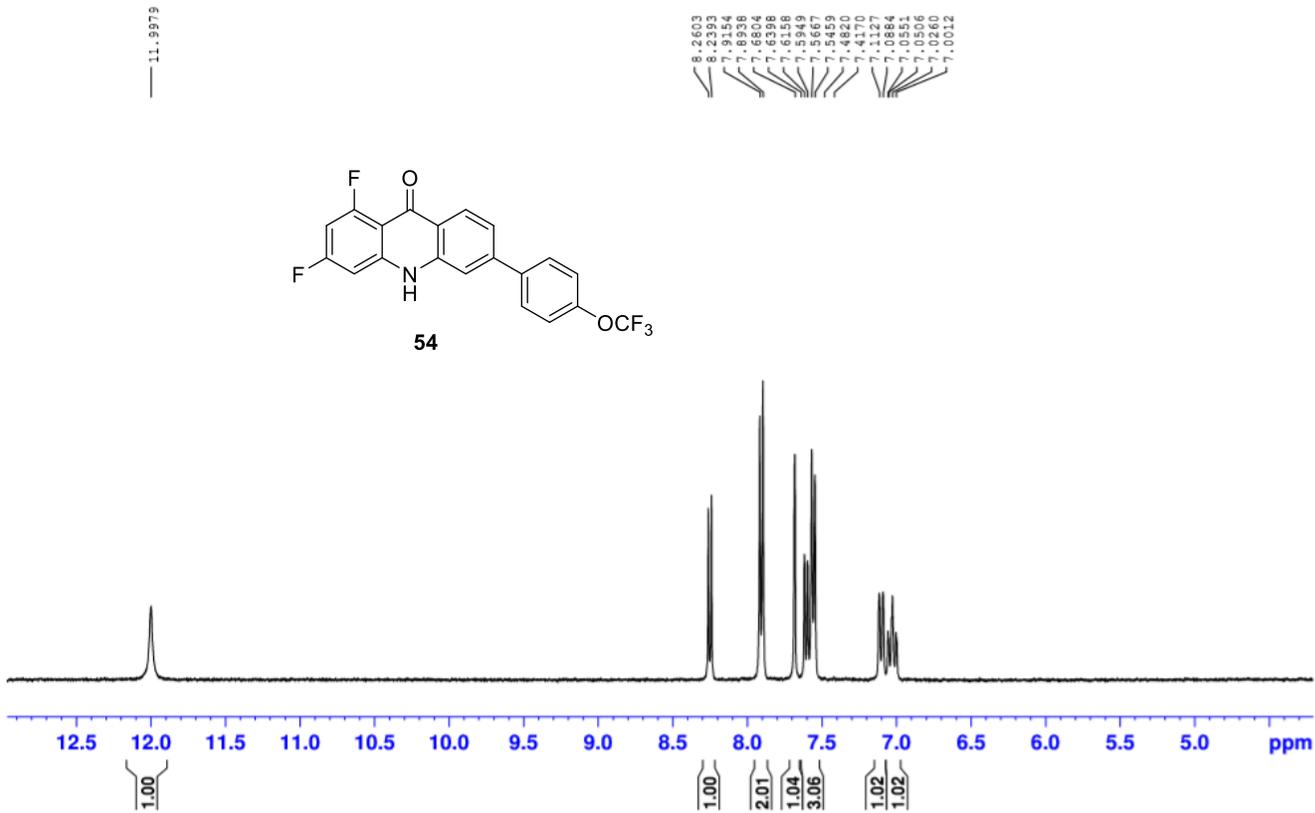


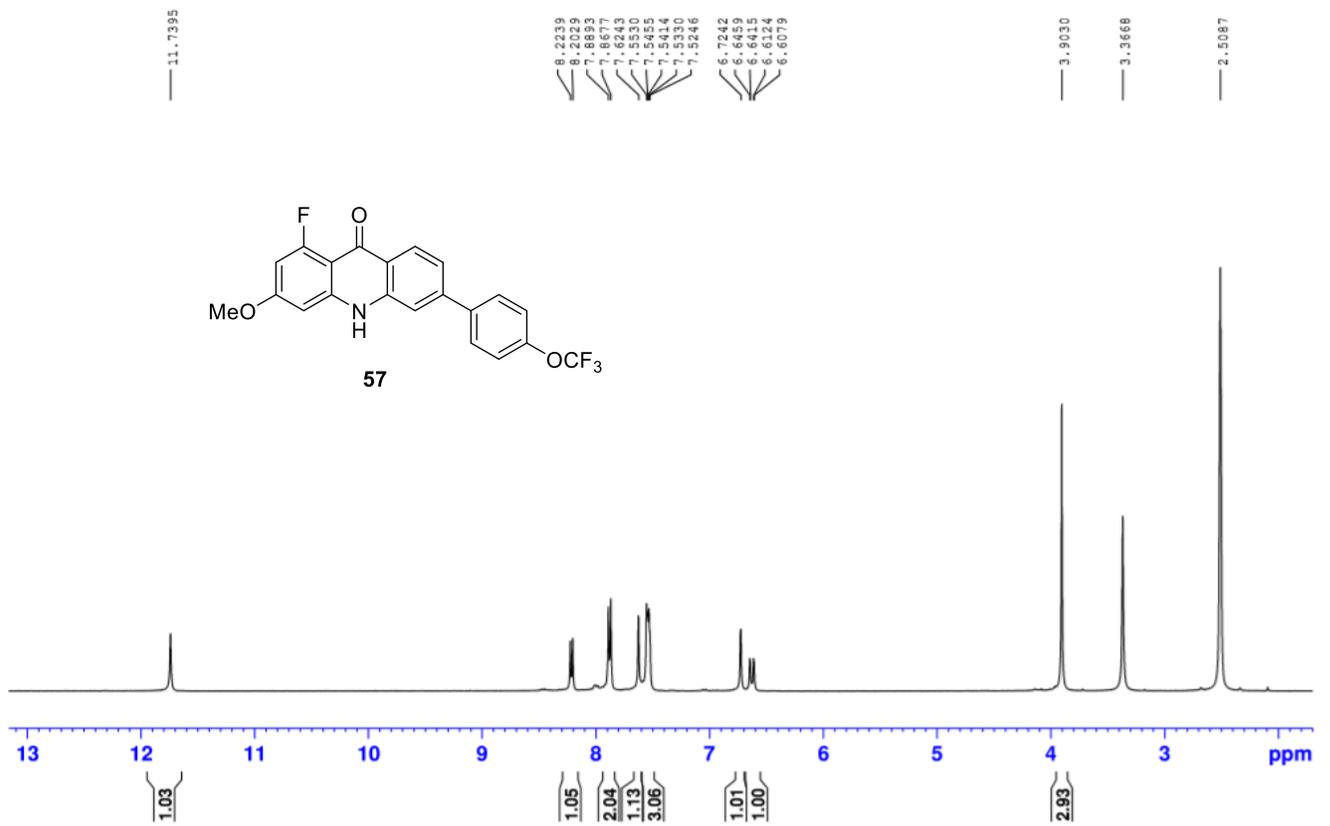
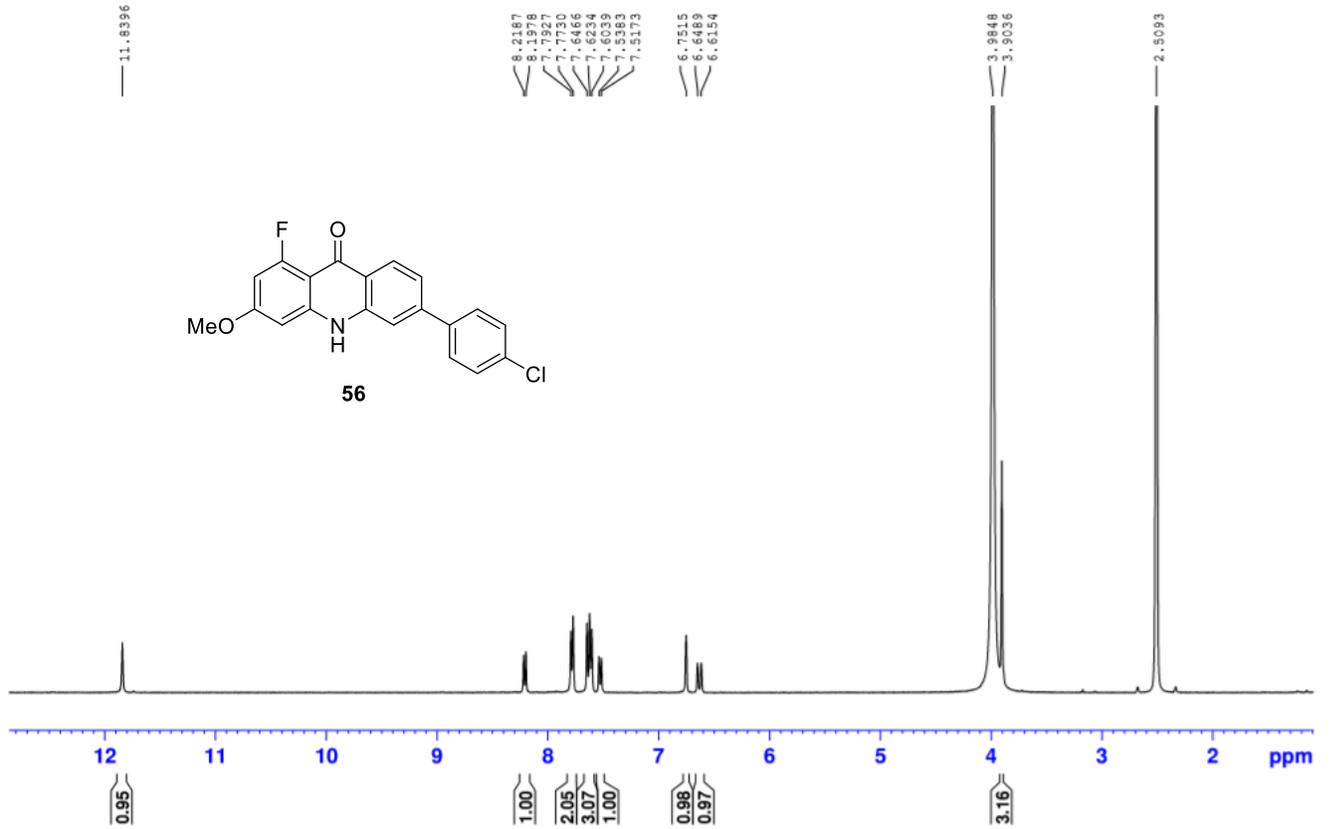


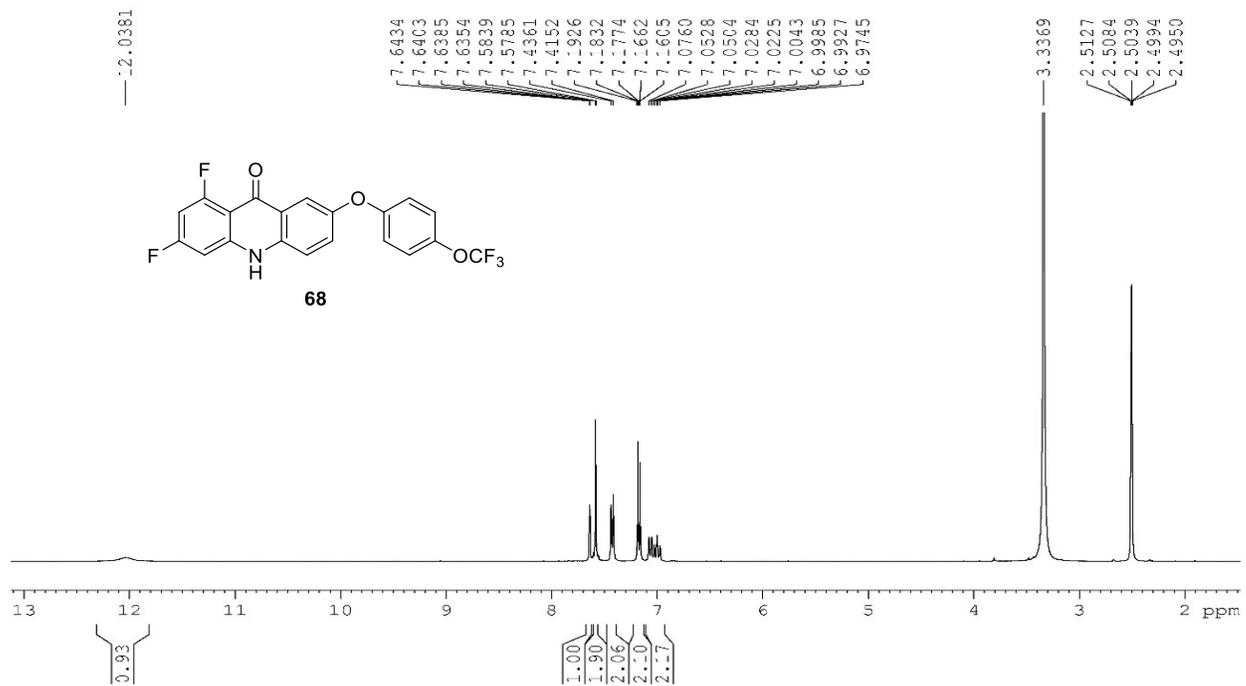
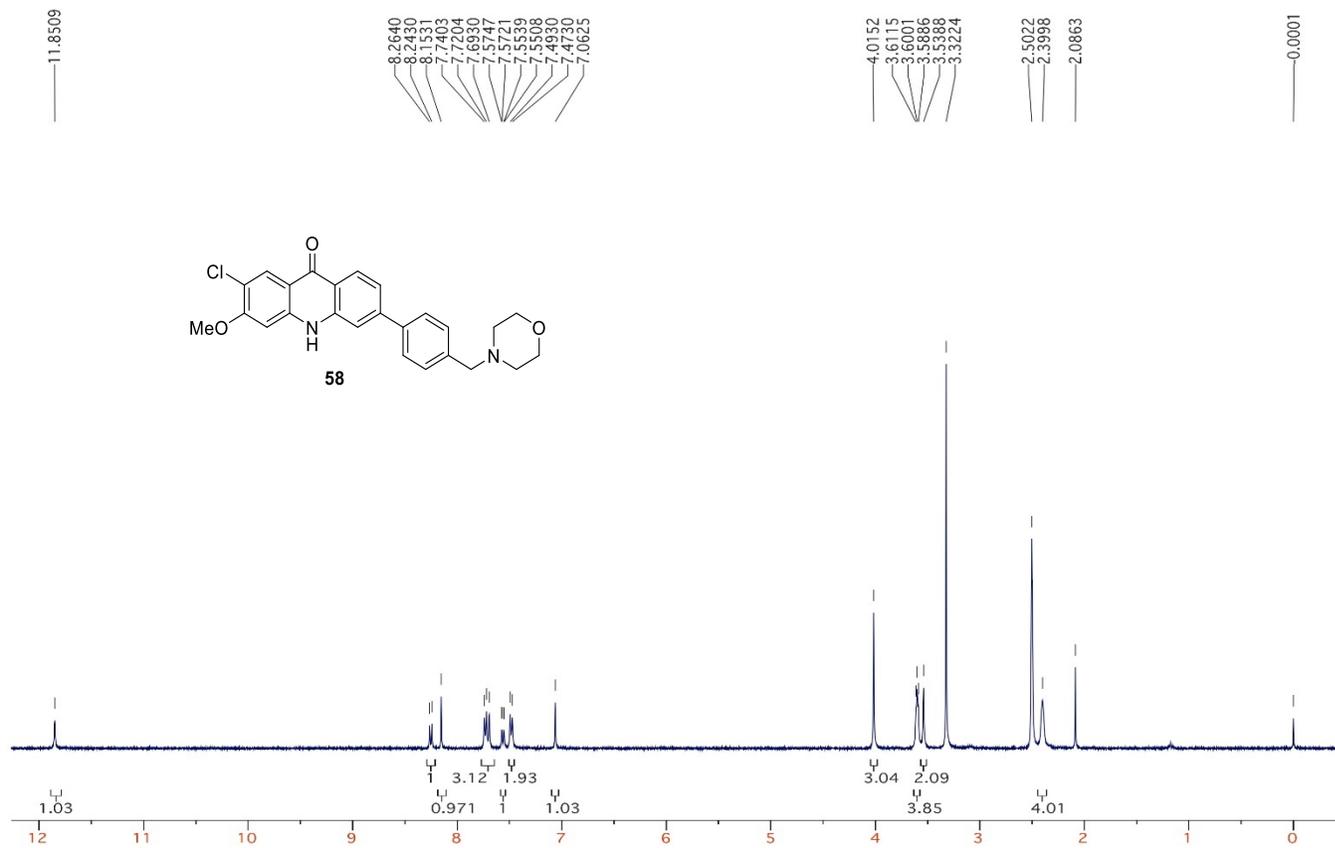


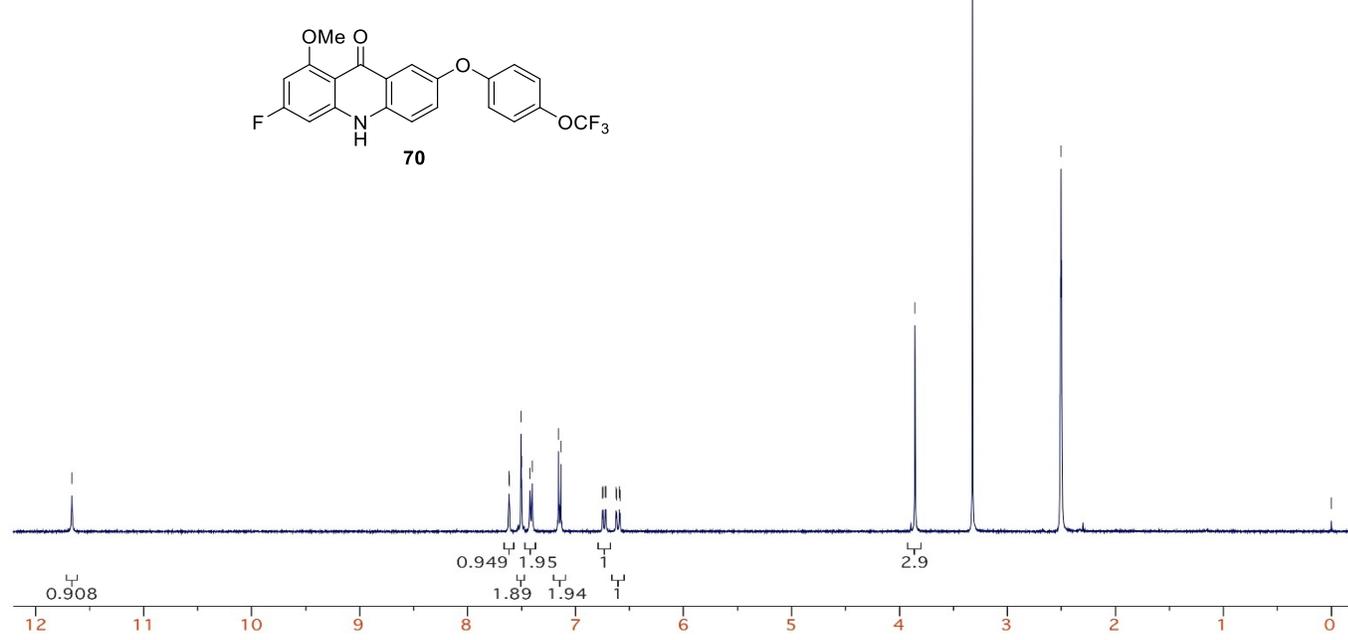
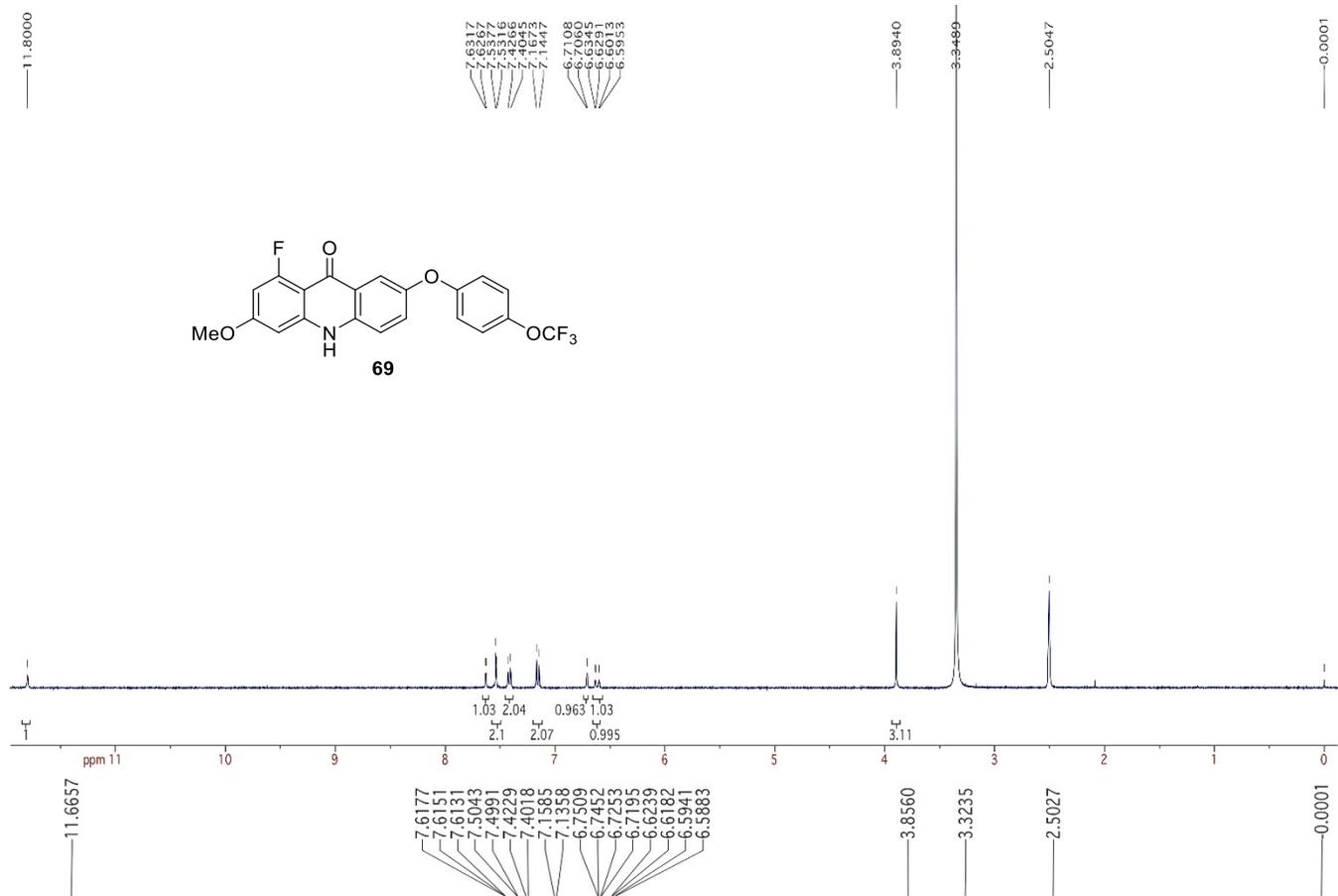


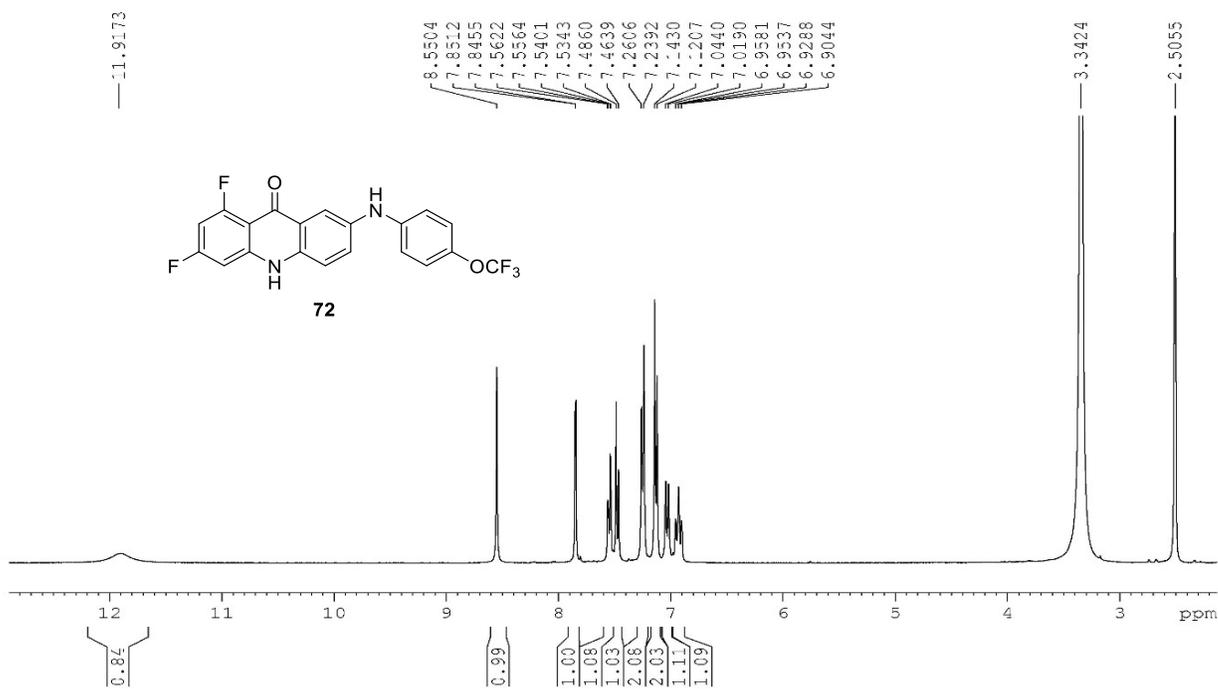
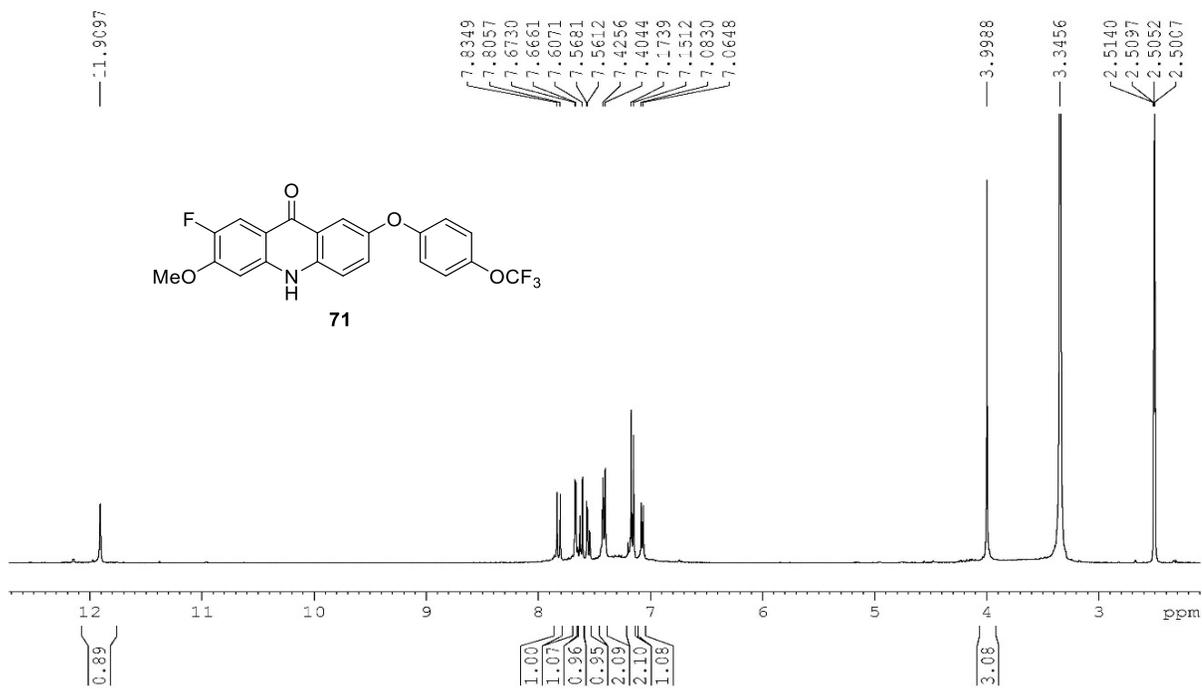


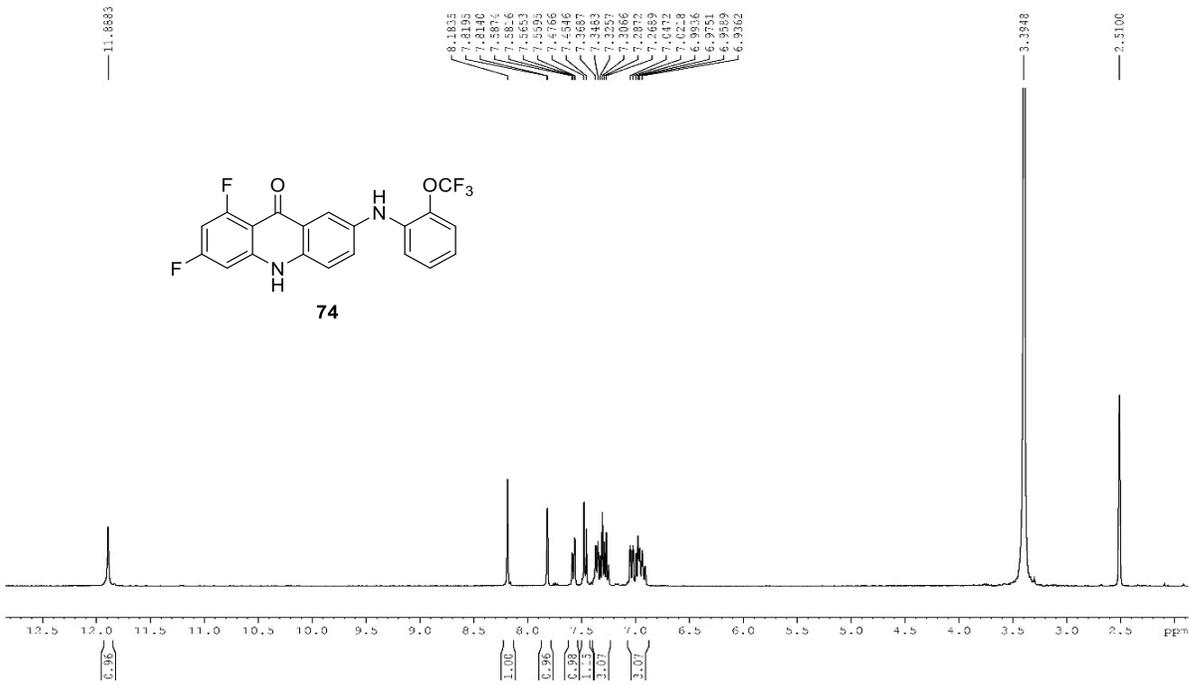
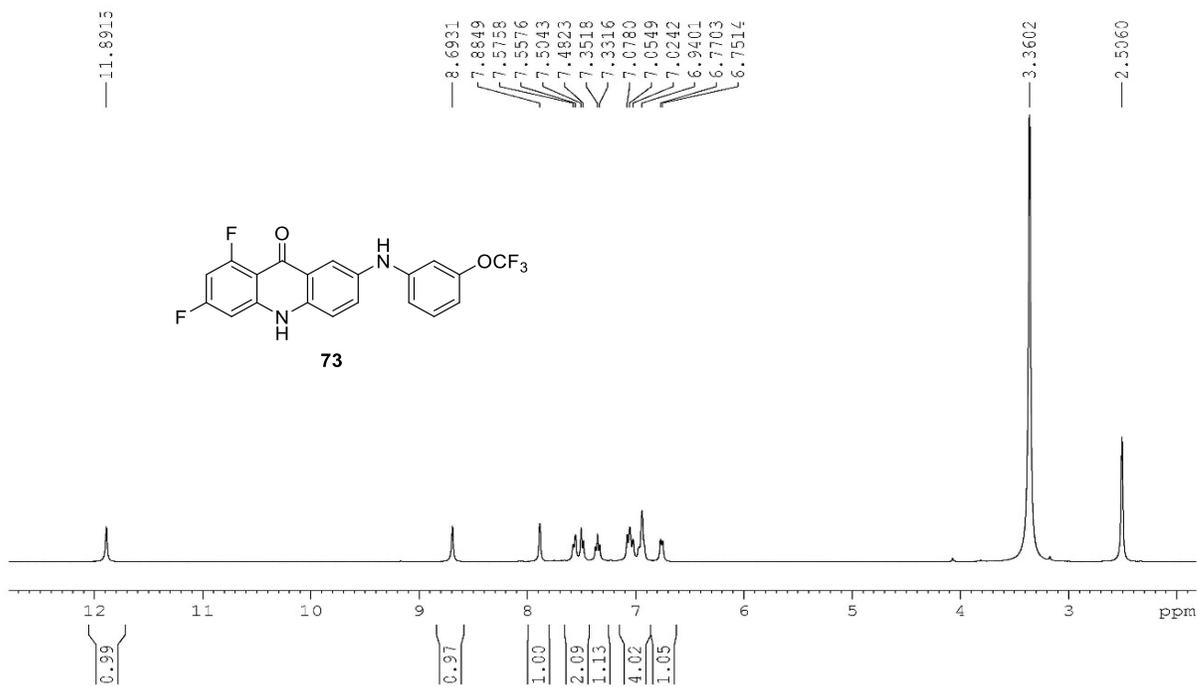


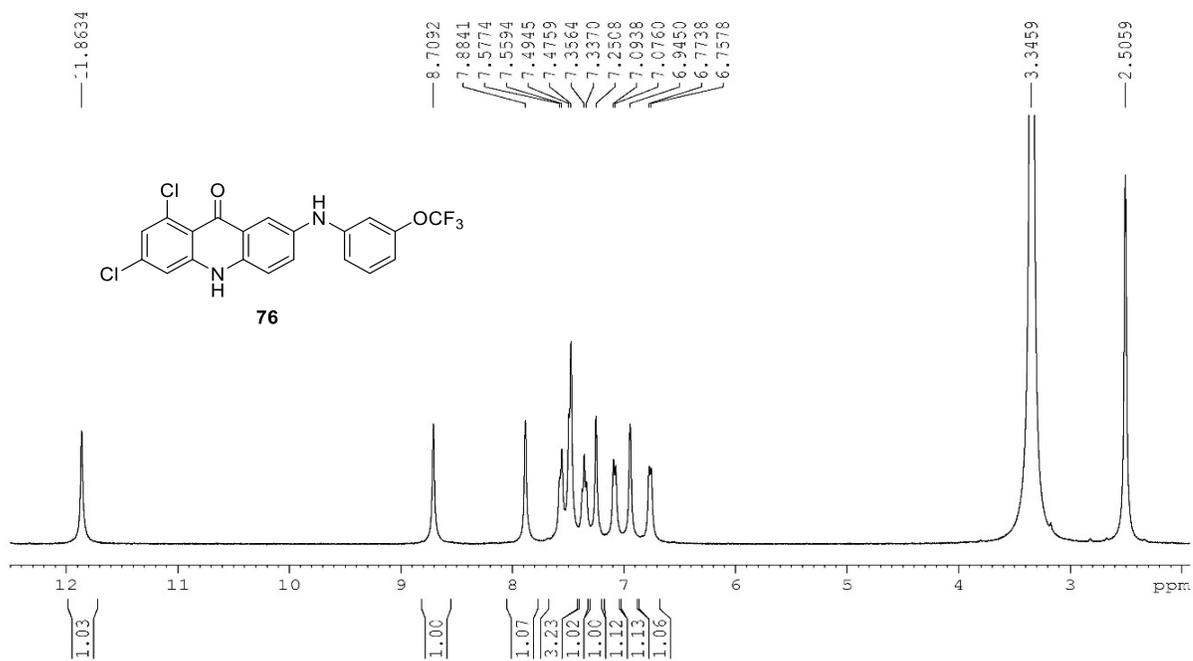
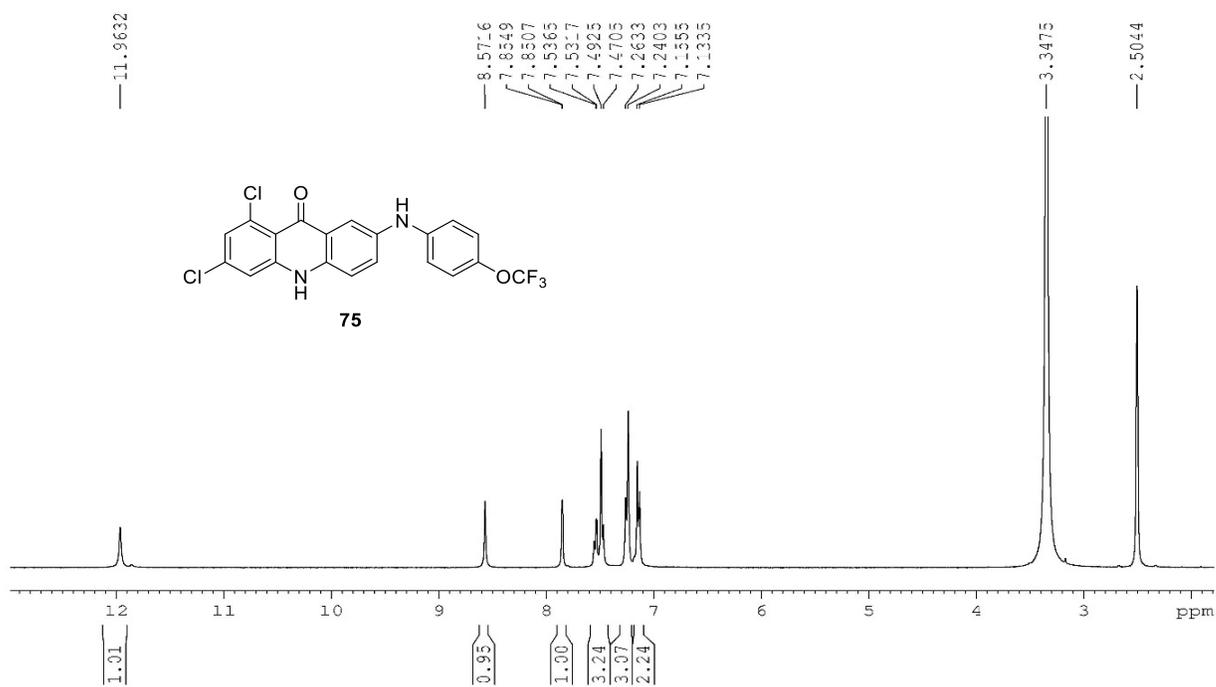


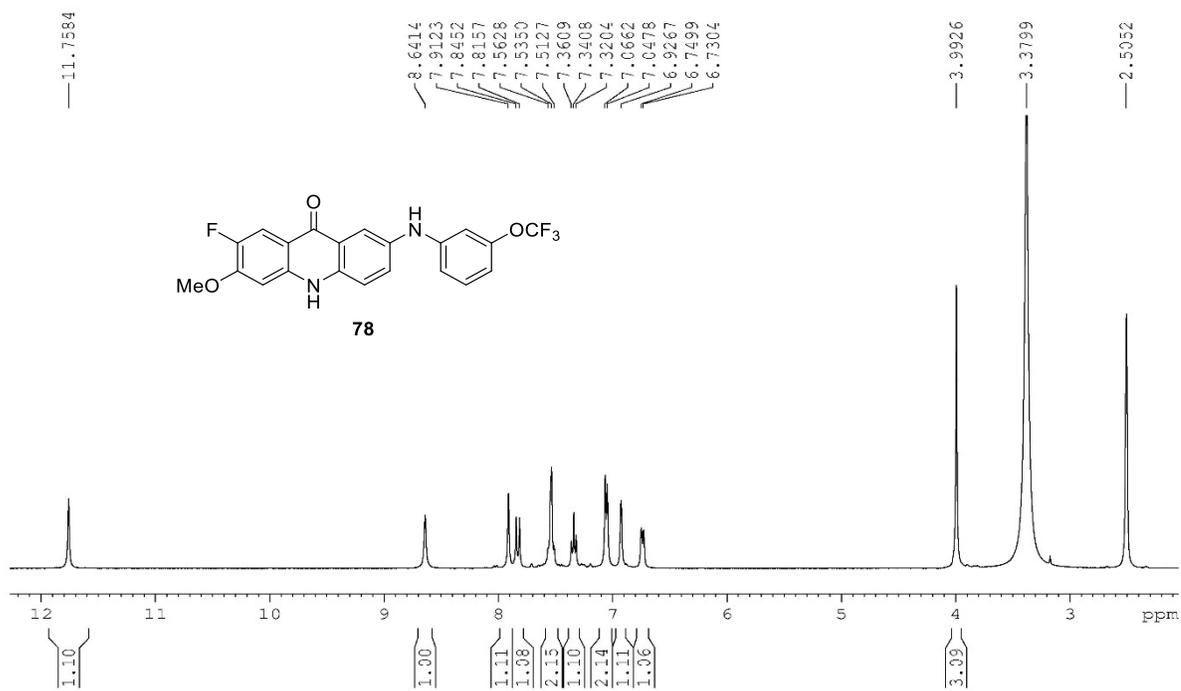
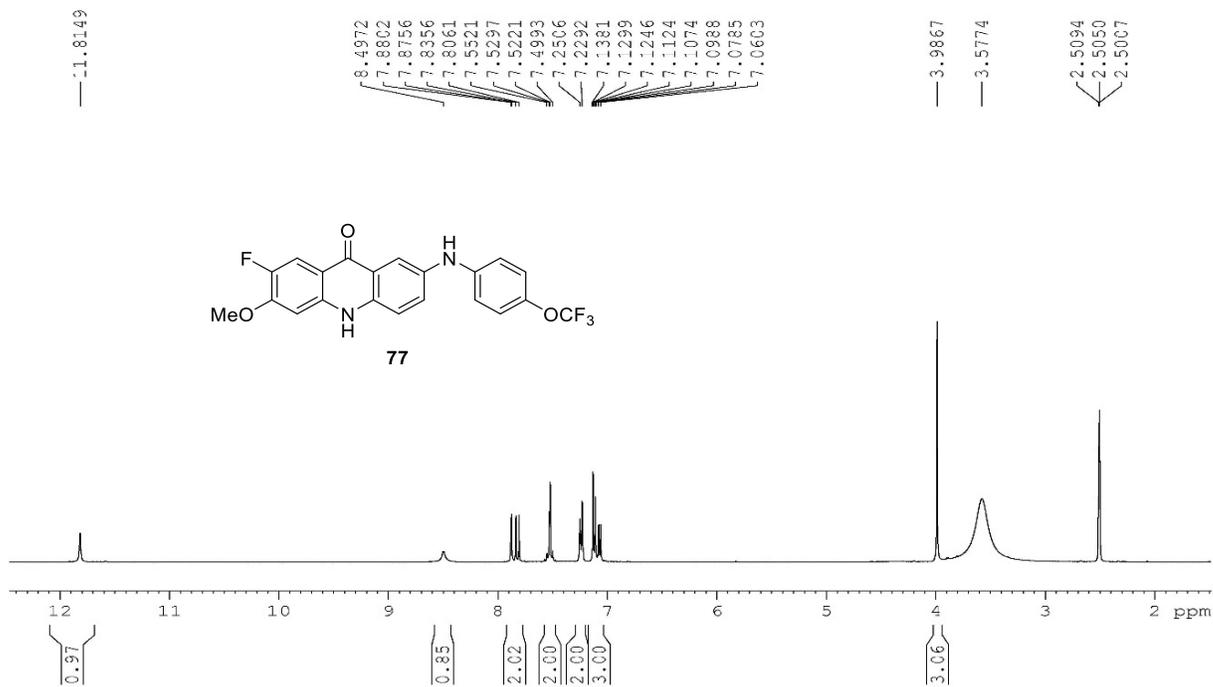


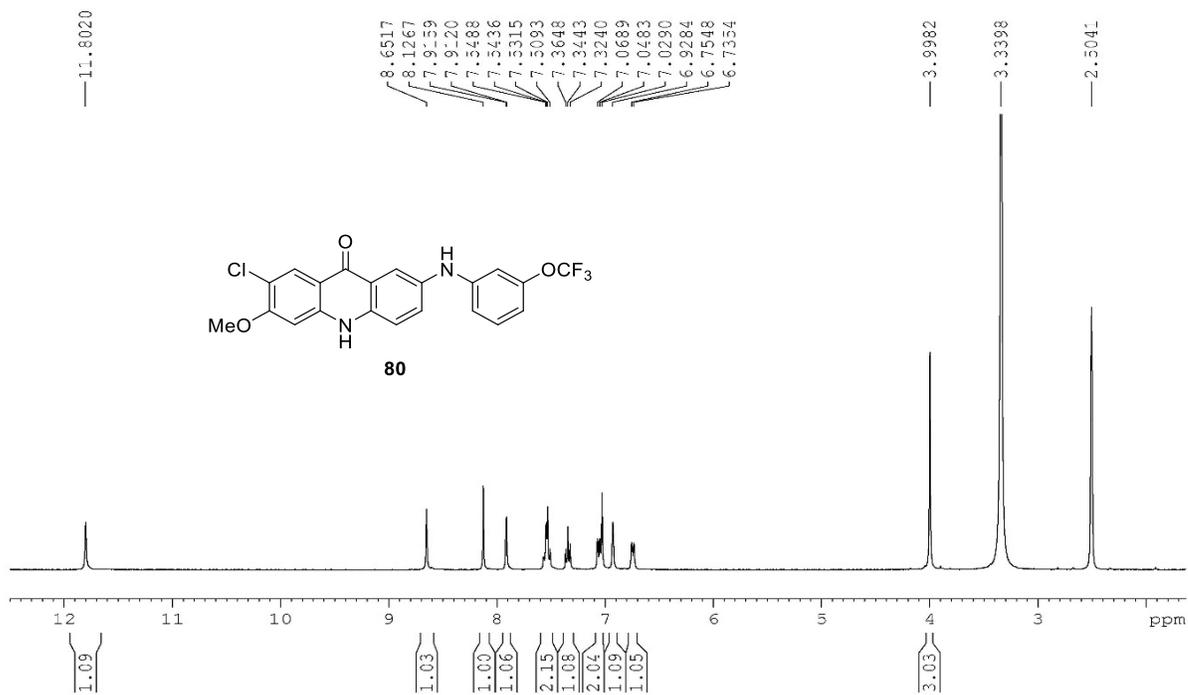
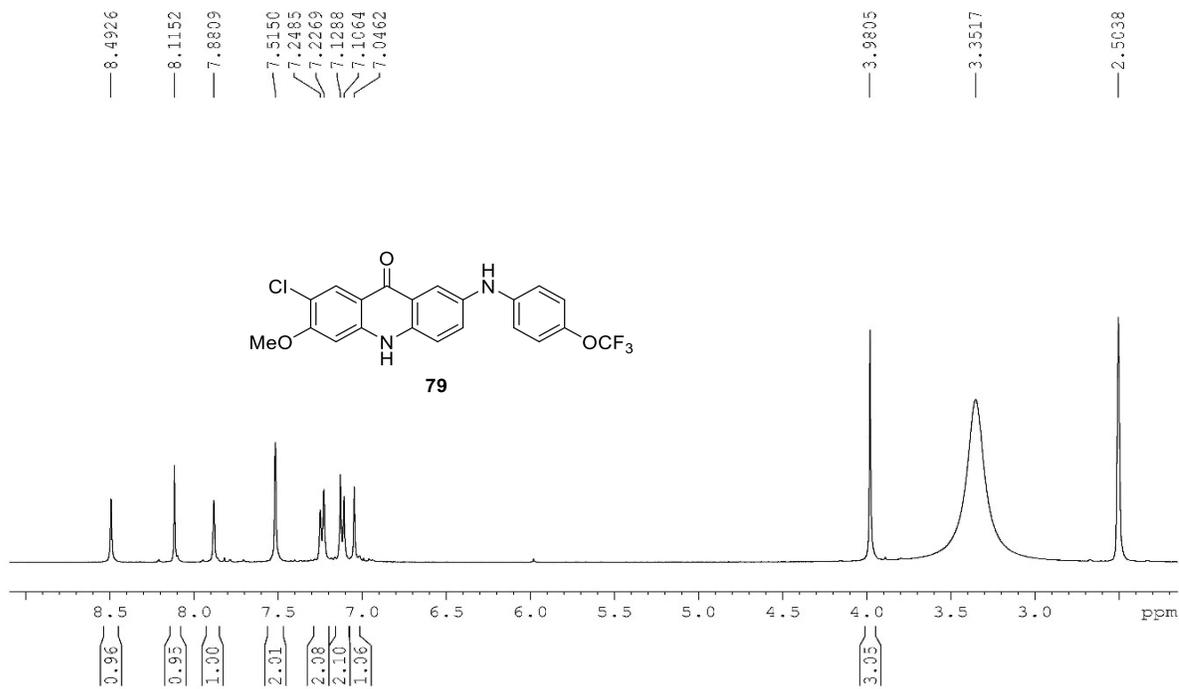


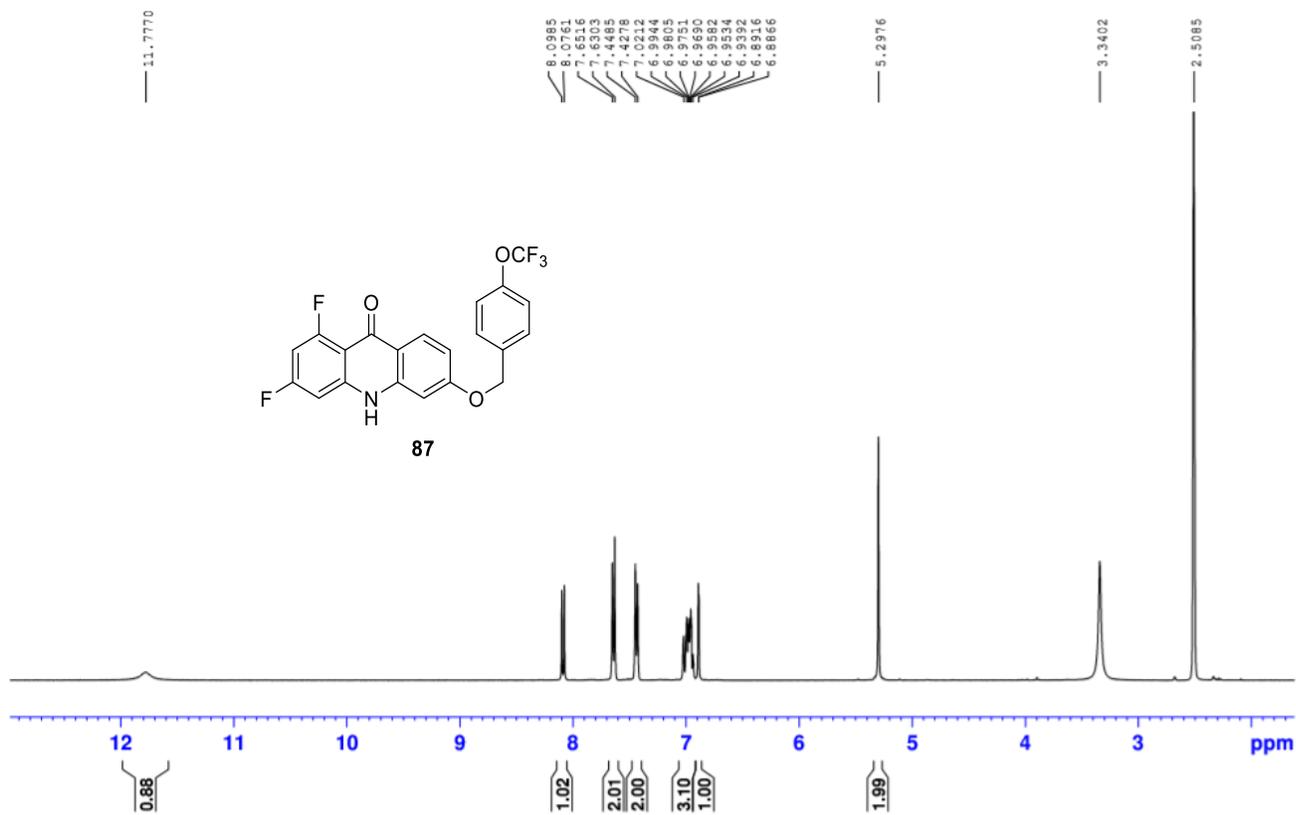
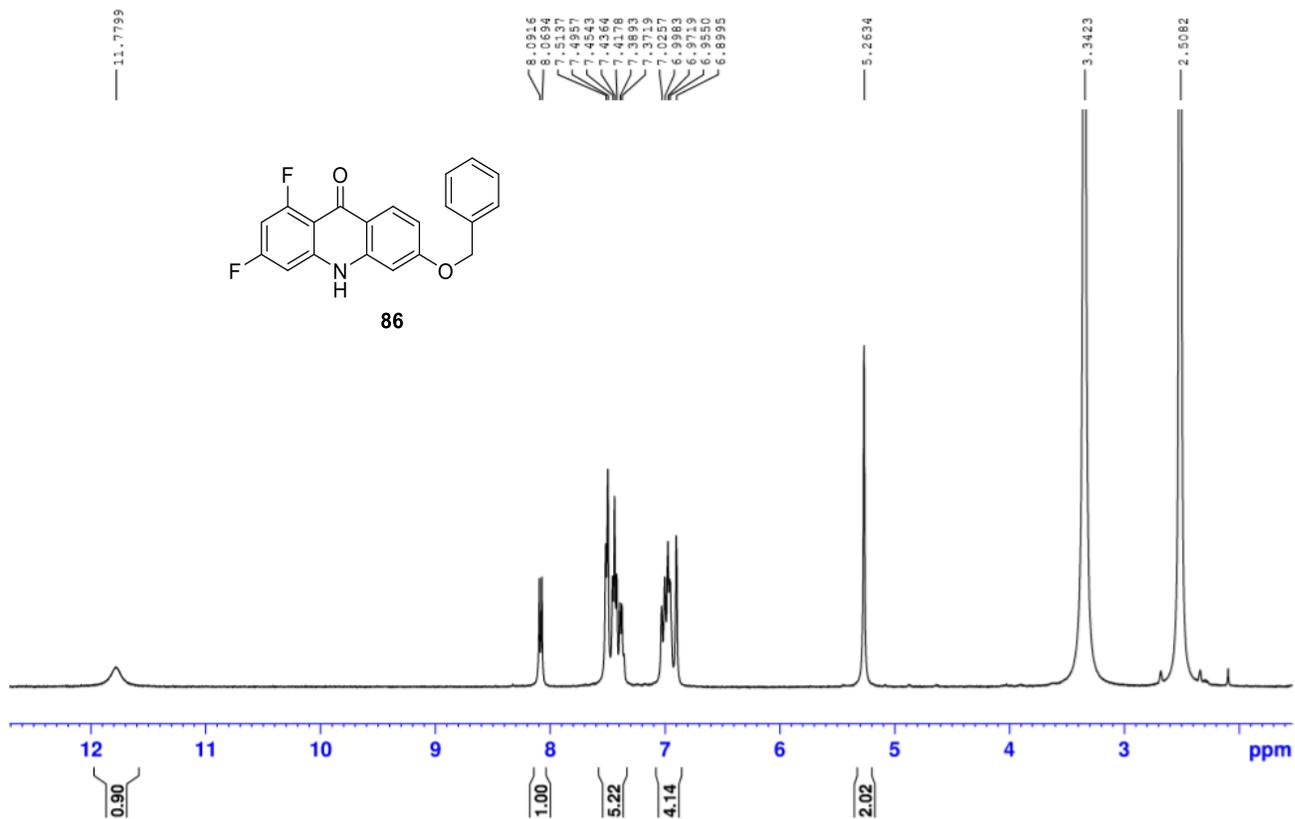


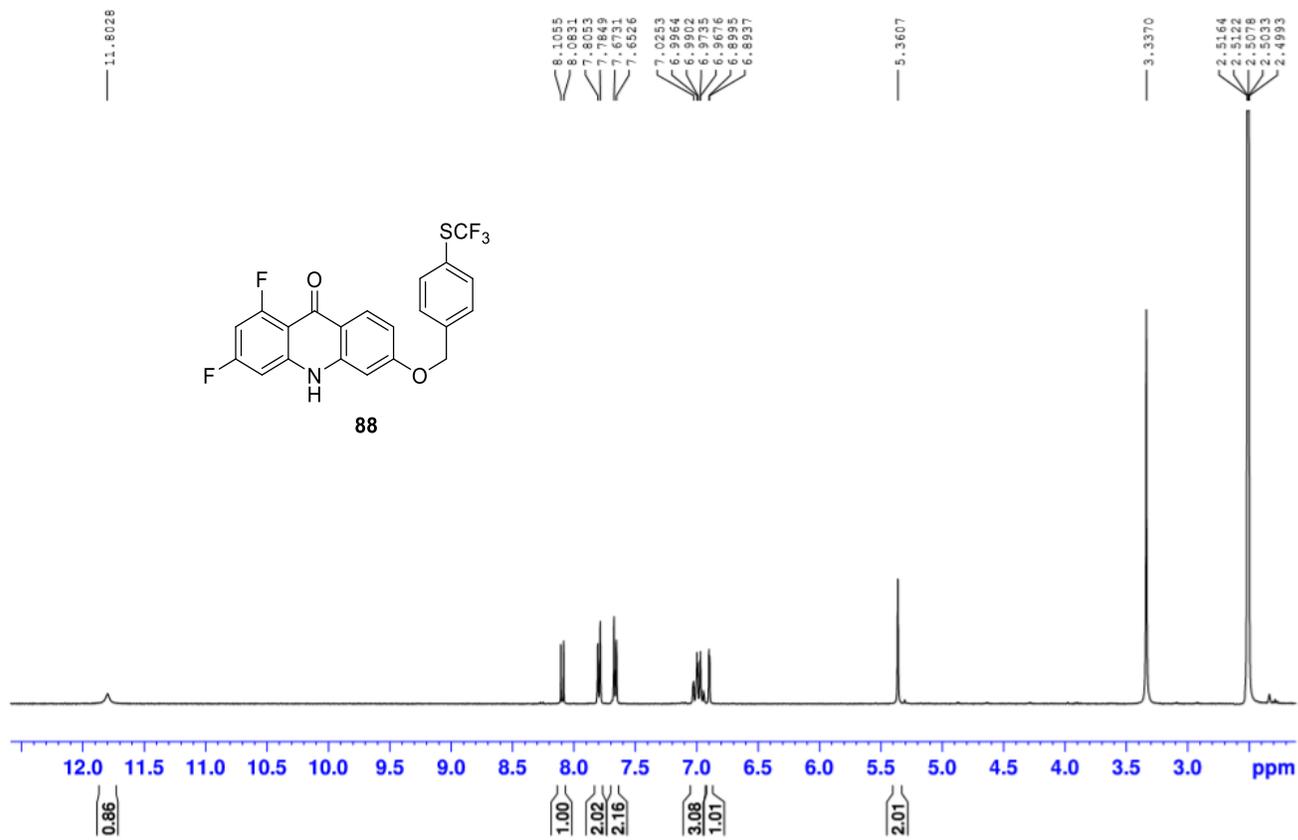


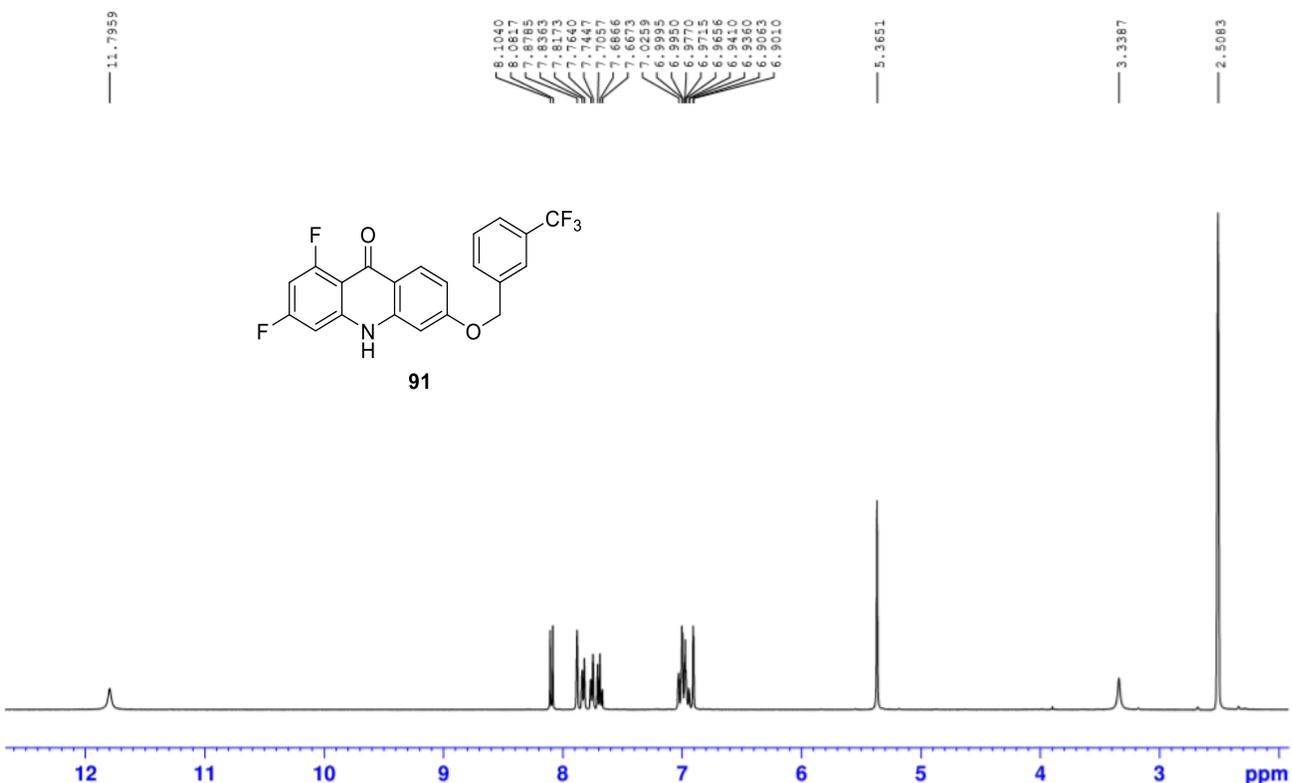
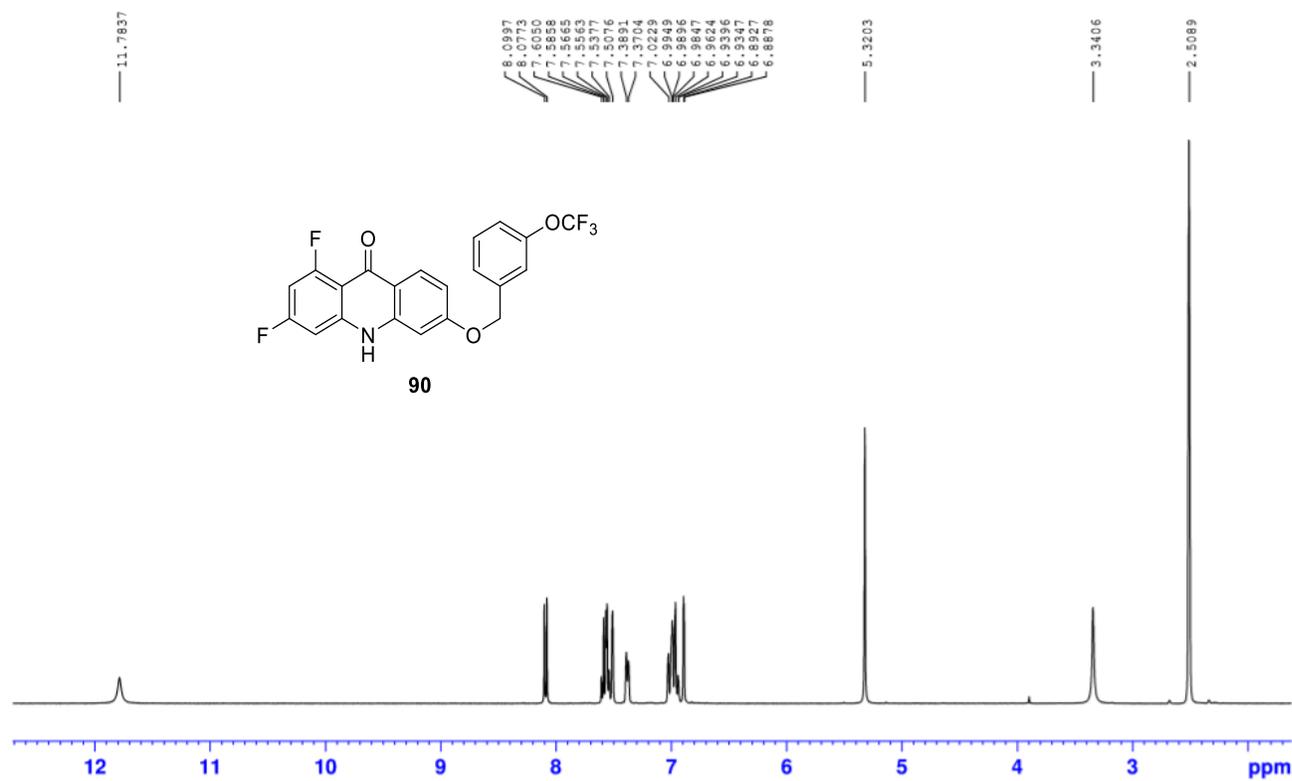


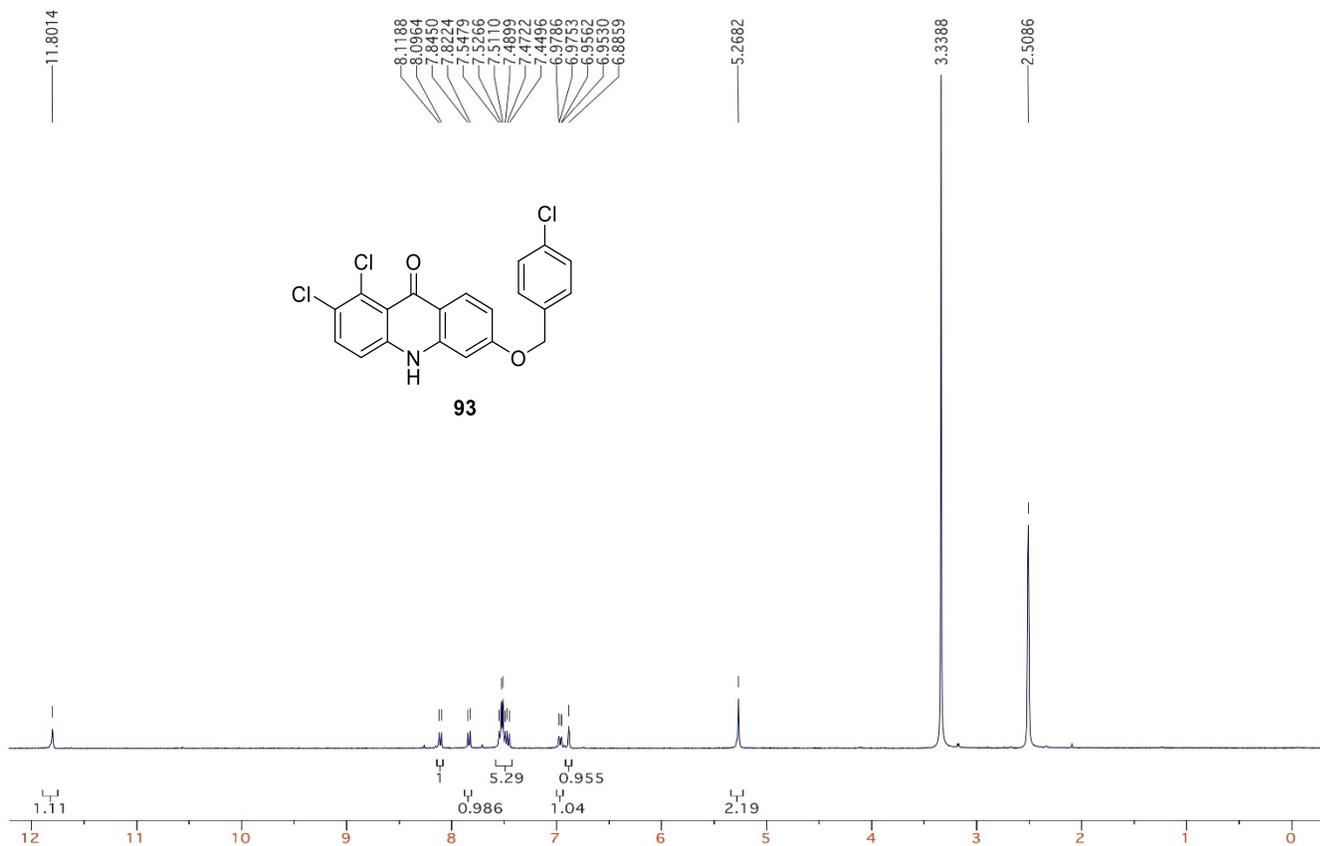
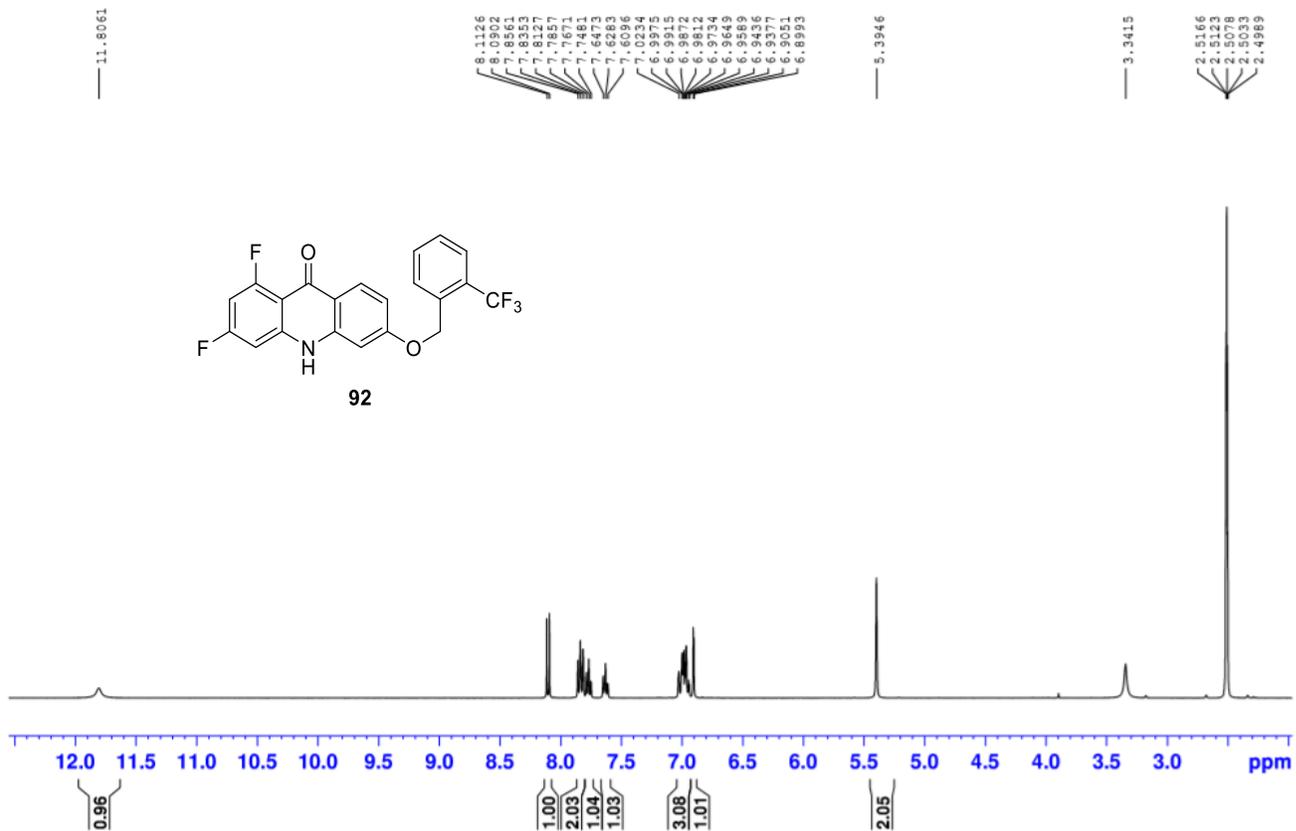


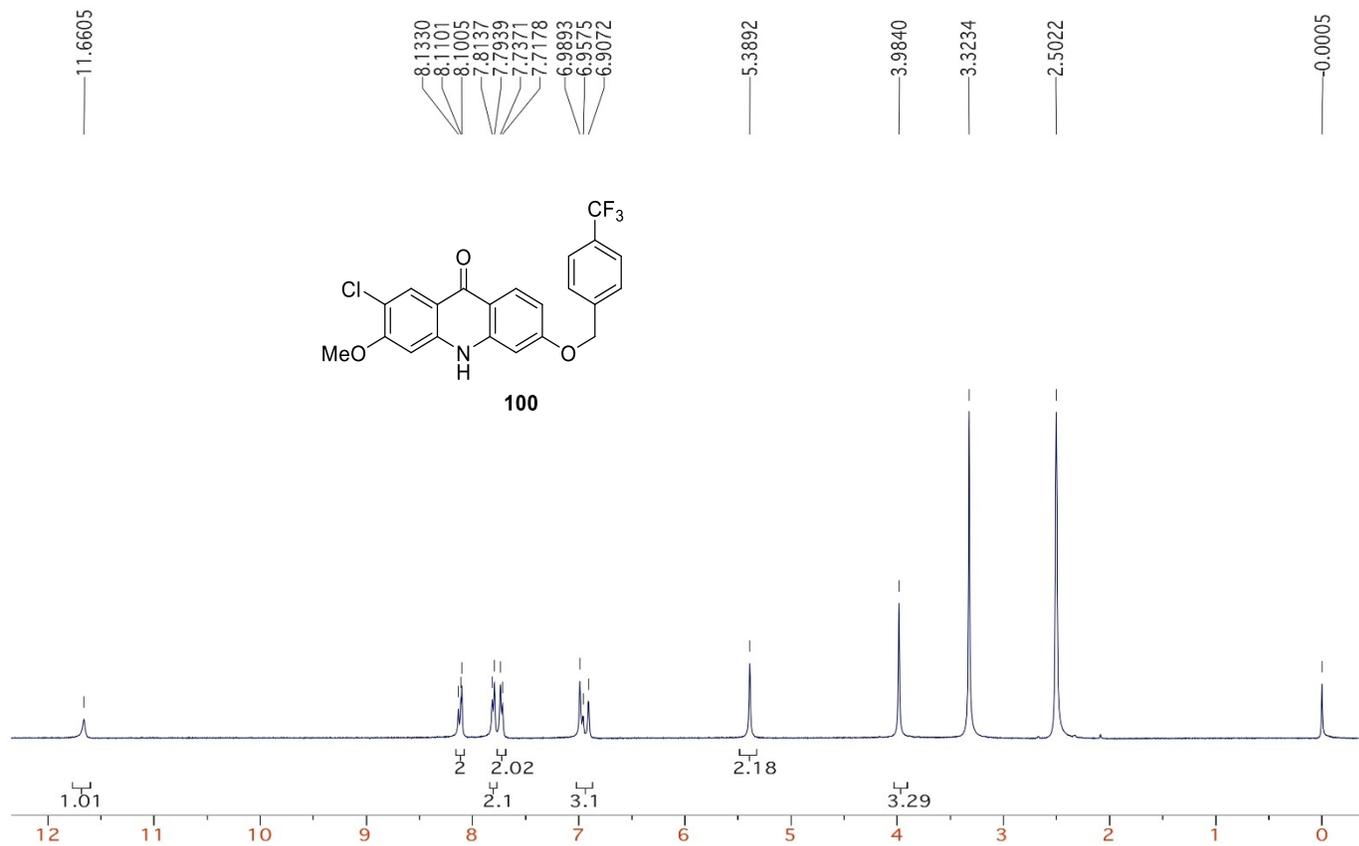
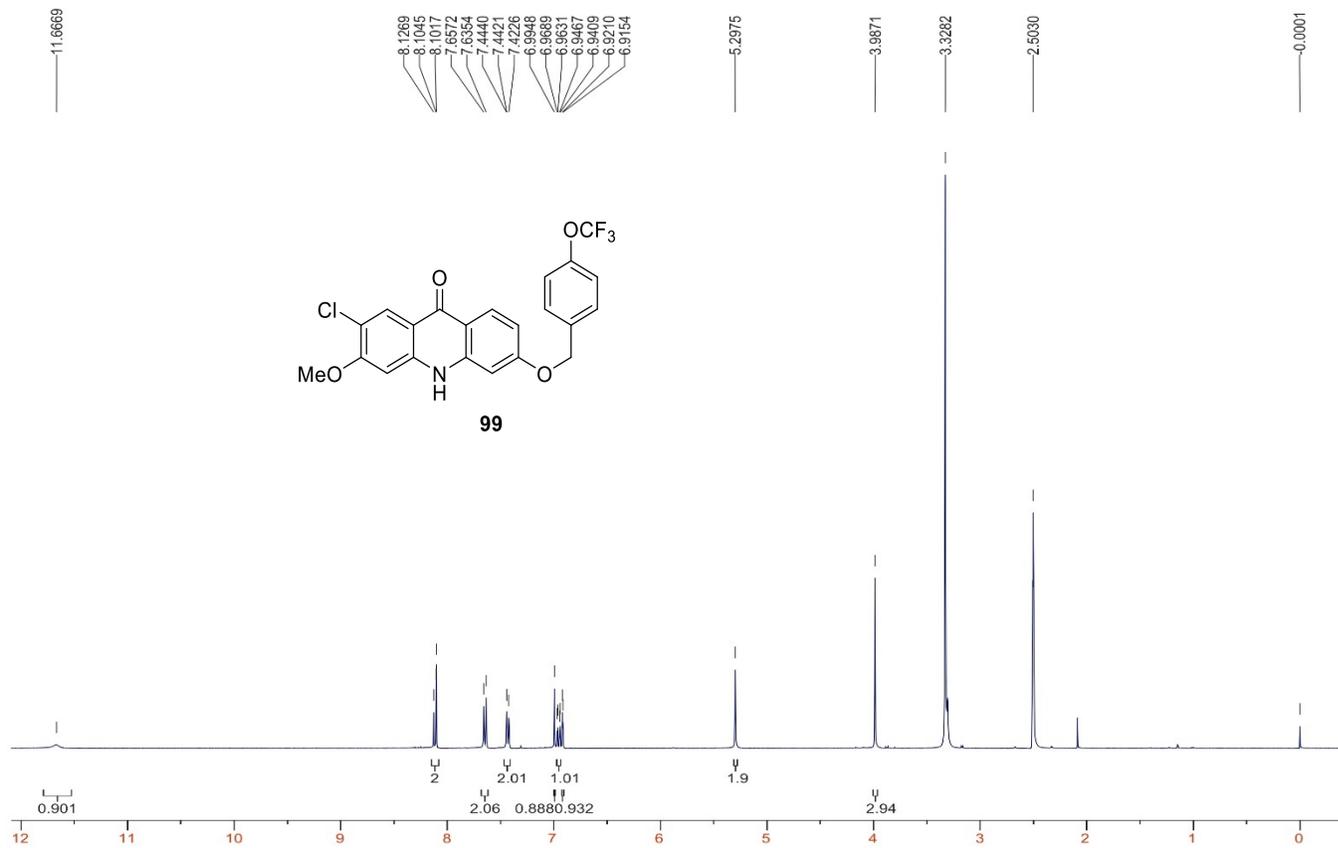


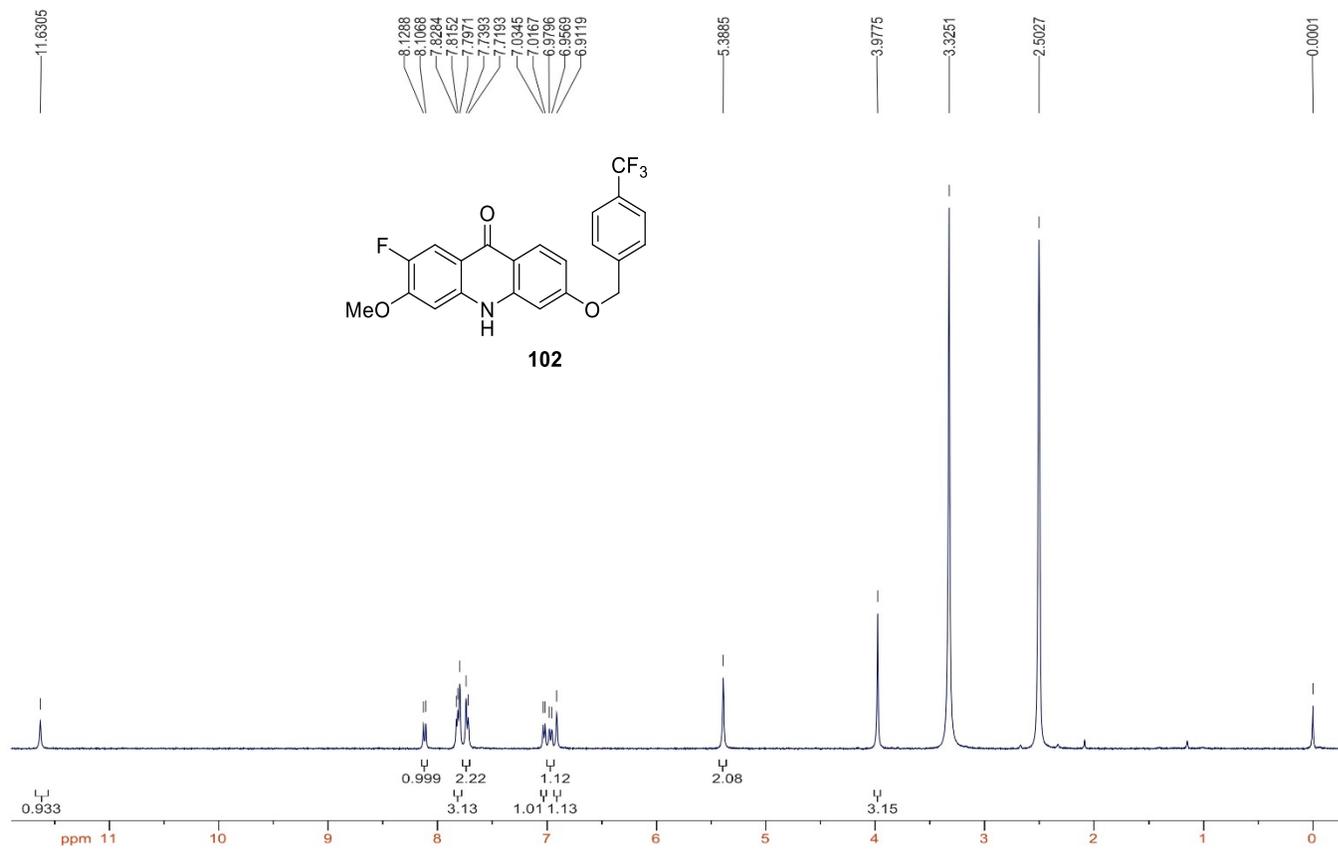
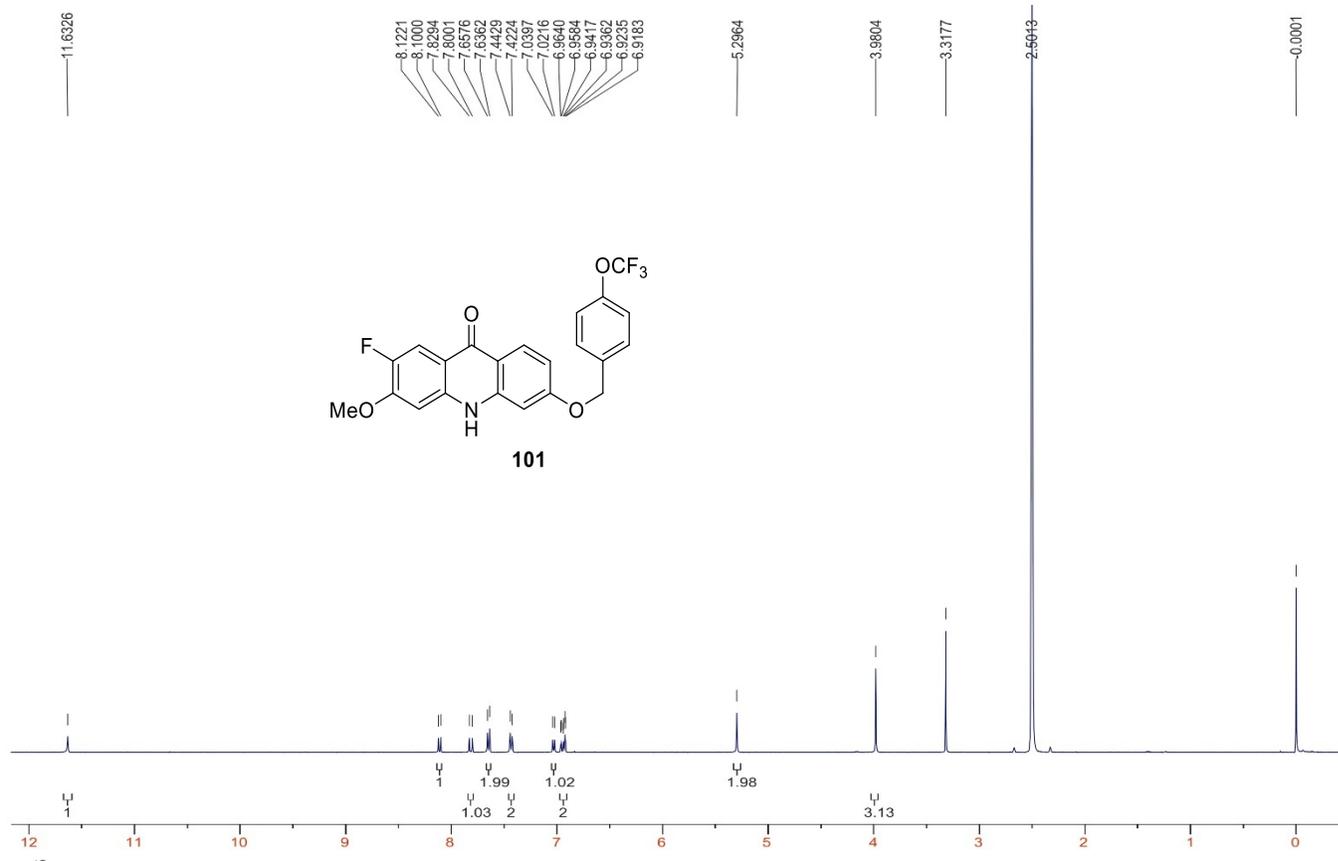












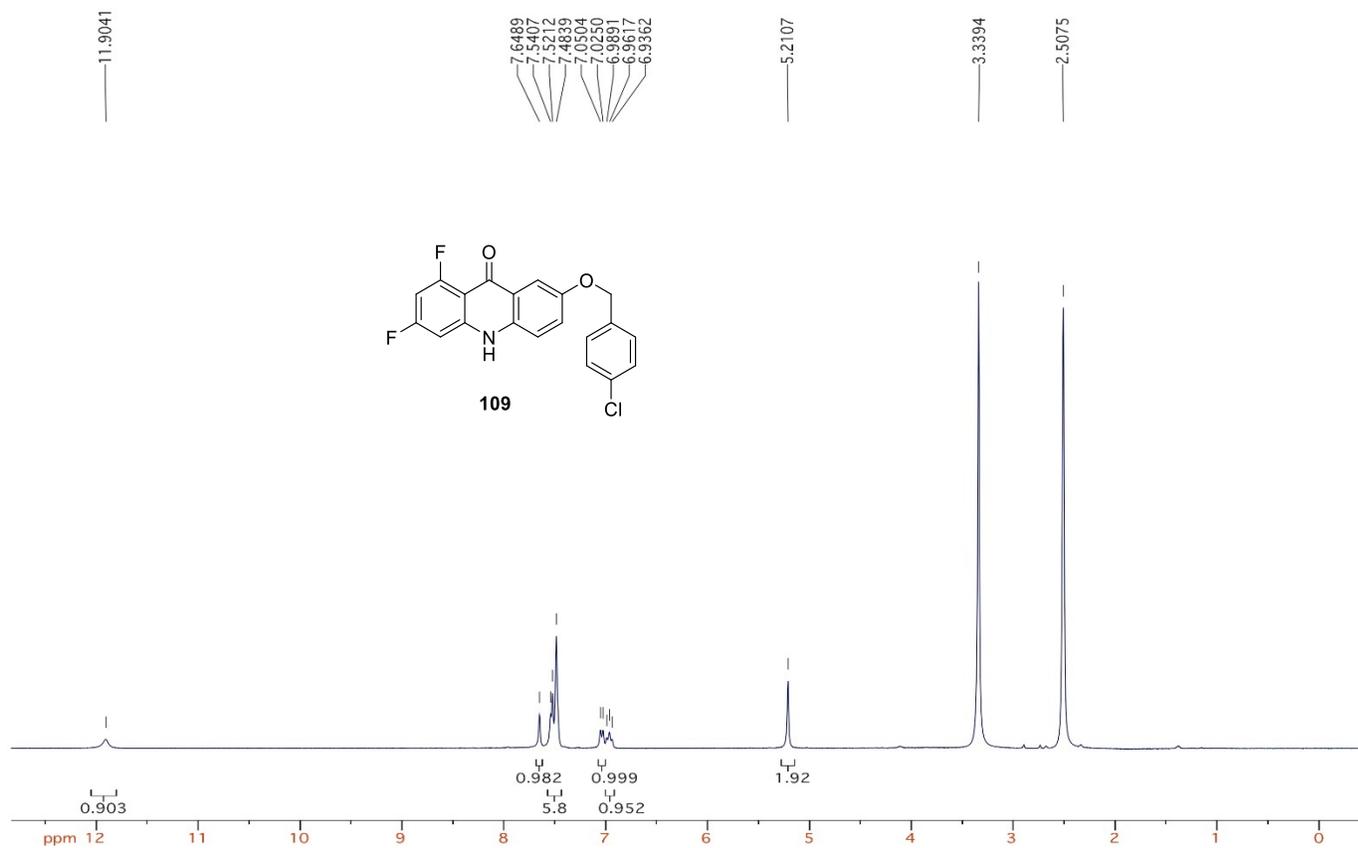
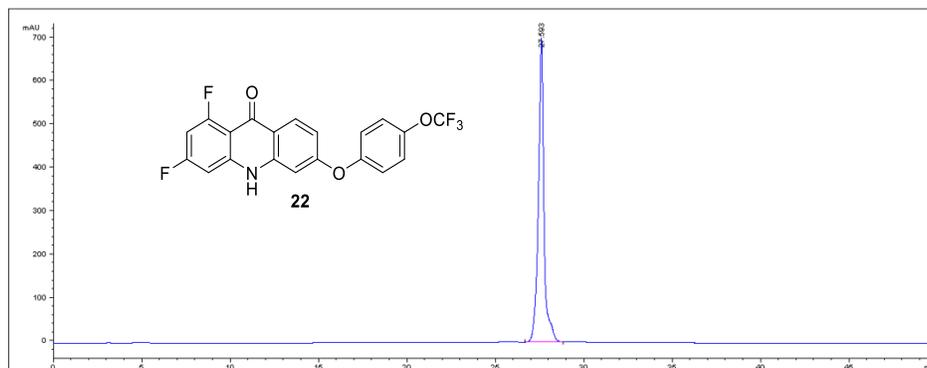


Table S1. HPLC gradient used for acridones

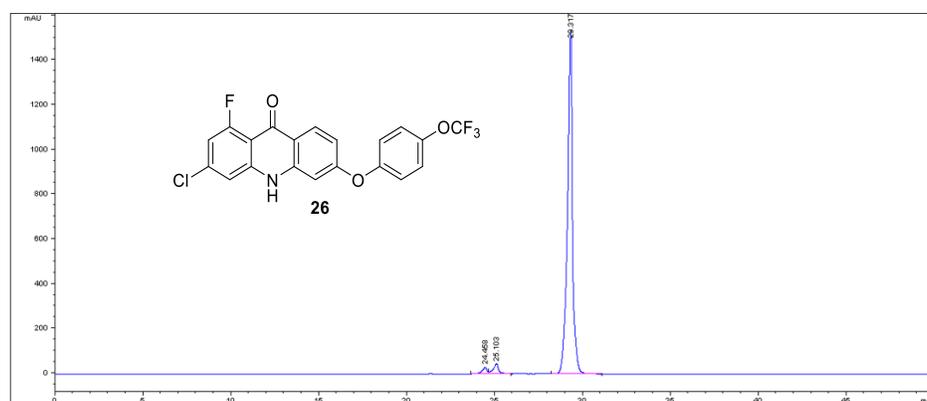
time (min)	flow rate (mL/min)	% A ^a	% B ^b
0	0.9	80	20
15	0.9	25	75
30	0.9	0	100
40	0.9	25	75
50	0.9	80	20

^aBuffer A: 100% water/10 mM NH₄OAc

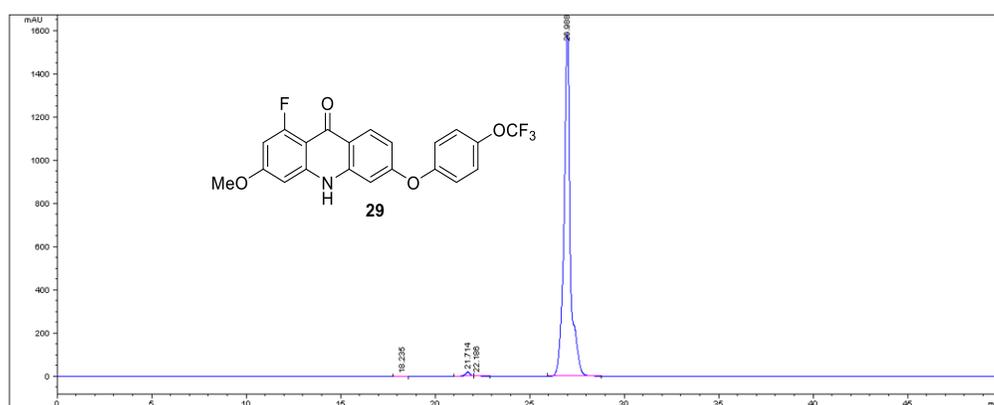
^bBuffer B: 100% methanol/10 mM NH₄OAc



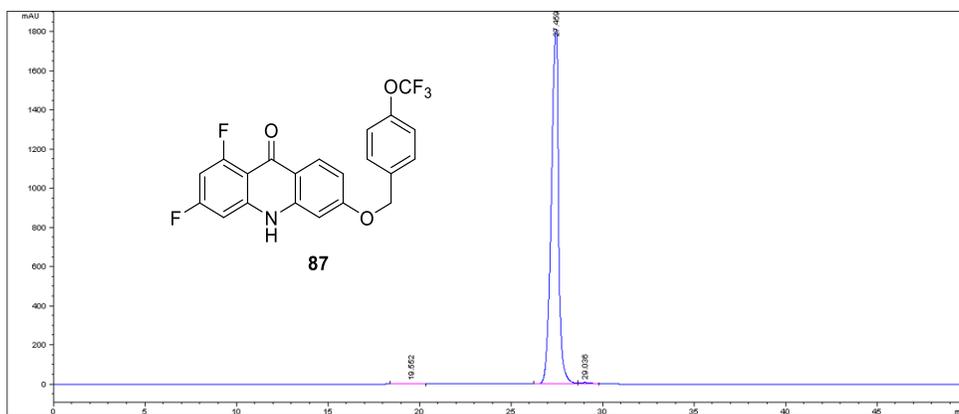
#	Time	Area	Height	Width	Area%	Symmetry
1	27.593	15369.2	700.4	0.3011	100.000	1.138



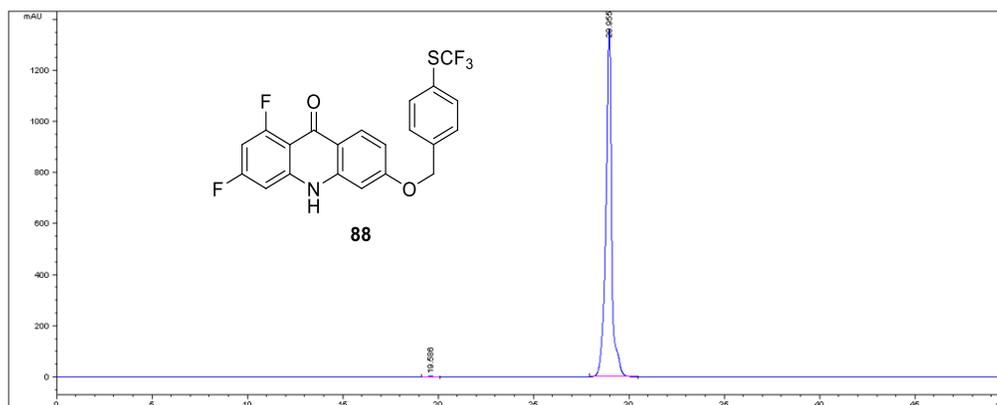
#	Time	Area	Height	Width	Area%	Symmetry
1	24.458	568.6	29.6	0.2694	1.766	1.602
2	25.103	955.9	45.2	0.2936	2.970	1.376
3	29.317	30664.6	1534.8	0.2884	95.264	1.485



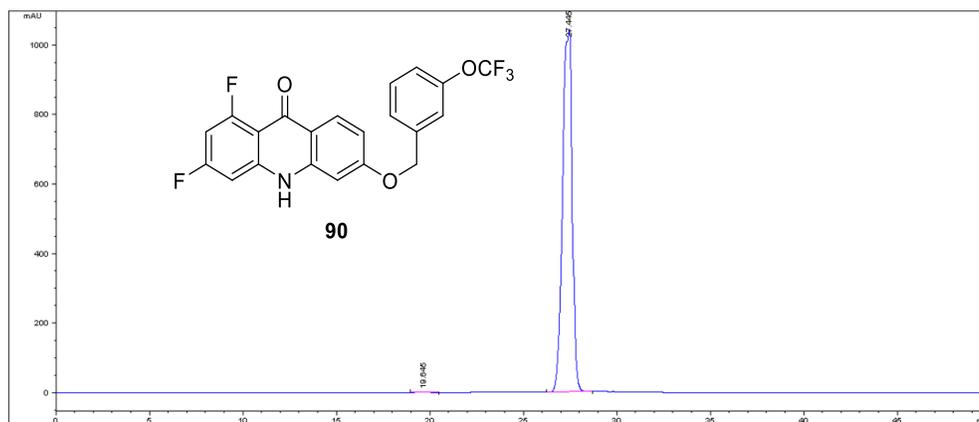
#	Time	Area	Height	Width	Area%	Symmetry
1	18.235	53.9	2.3	0.3461	0.142	0.991
2	21.714	407.9	20.8	0.2874	1.077	1.172
3	22.186	74.9	3.4	0.3069	0.197	0.456
4	26.988	37351.2	1592.6	0.3348	98.584	1.114



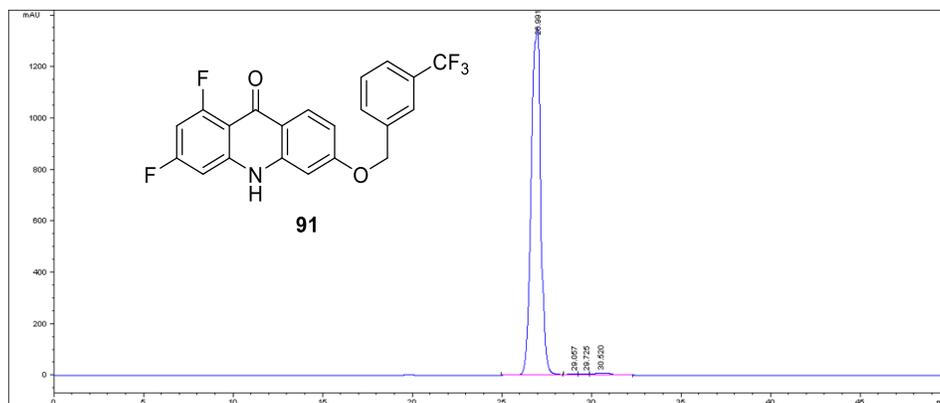
#	Time	Area	Height	Width	Area%	Symmetry
1	19.552	80	2.1	0.5095	0.157	1.587
2	27.459	50695.1	1813.2	0.4267	99.198	1.802
3	29.036	329.8	8	0.5184	0.645	0.703



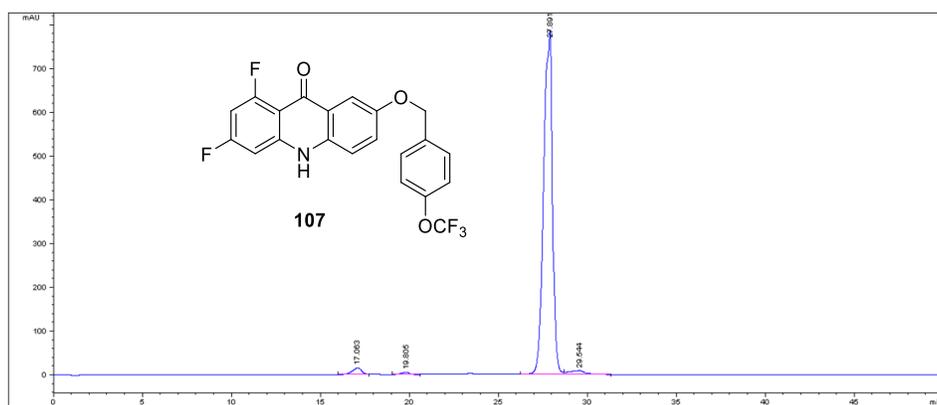
#	Time	Area	Height	Width	Area%	Symmetry
1	19.586	51.5	2.4	0.3119	0.180	0.999
2	28.955	28606.6	1362.5	0.2988	99.820	1.296



#	Time	Area	Height	Width	Area%	Symmetry
1	19.645	59.1	1.7	0.4678	0.157	1.375
2	27.445	37442.4	1044.1	0.465	99.843	2.097



#	Time	Area	Height	Width	Area%	Symmetry
1	26.991	50127.8	1352.2	0.4864	98.174	1.851
2	29.057	191.1	5.1	0.4842	0.374	2.766
3	29.725	156.9	4.6	0.4488	0.307	2.954
4	30.52	584.4	8.5	0.8714	1.145	0.67



#	Time	Area	Height	Width	Area%	Symmetry
1	17.063	584	15.4	0.499	2.064	1.265
2	19.805	141.7	4.7	0.4225	0.501	1.692
3	27.891	26982.8	786.7	0.4424	95.336	2.271
4	29.544	594.3	8.8	0.8555	2.100	1.397