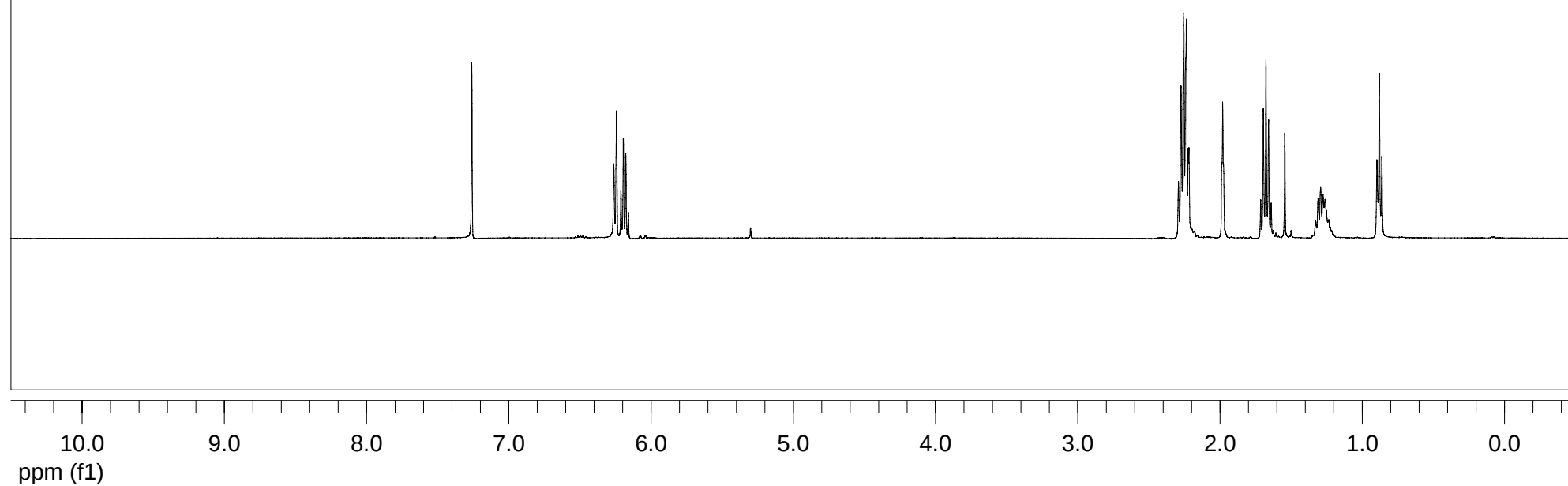
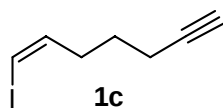


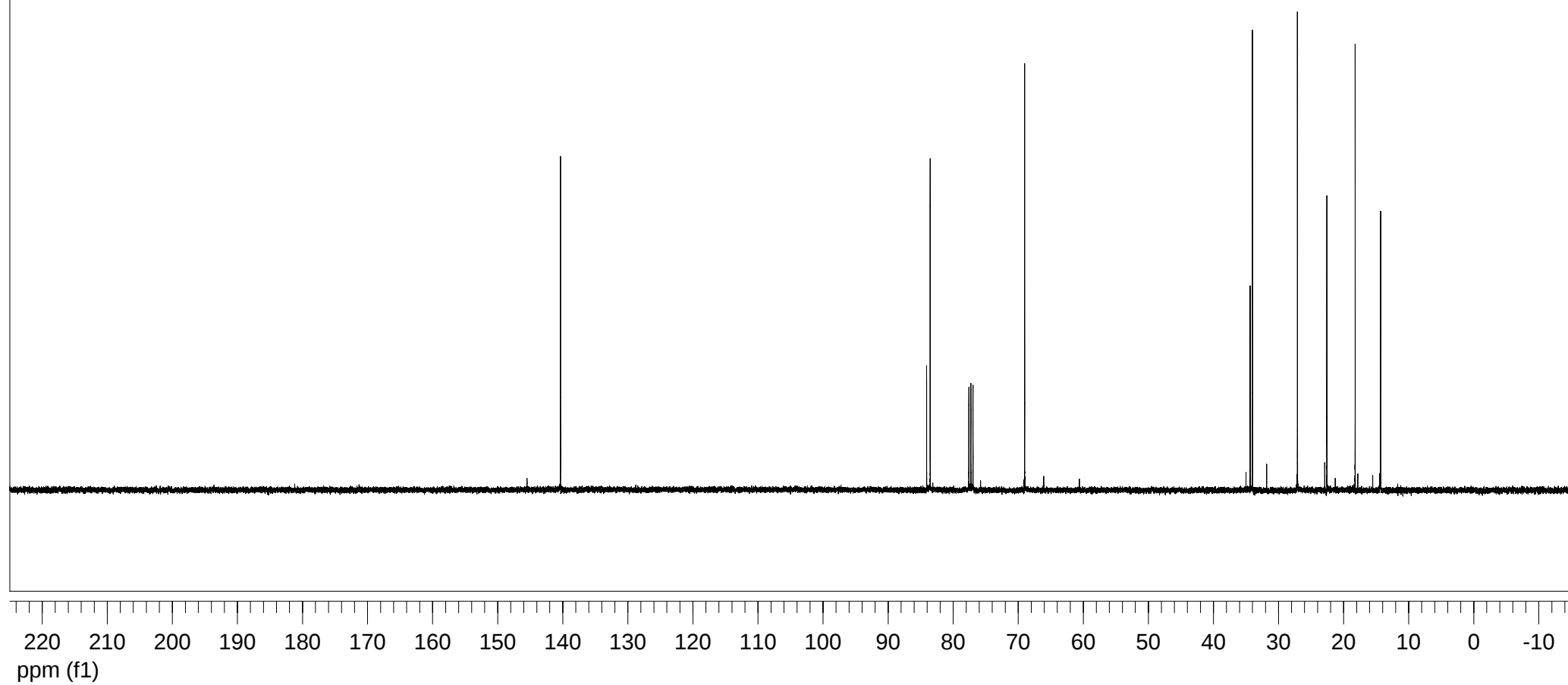
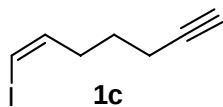
Supporting Information
**Preparation of Substituted Enol Derivatives From Terminal Alkynes and Their
Synthetic Utility**

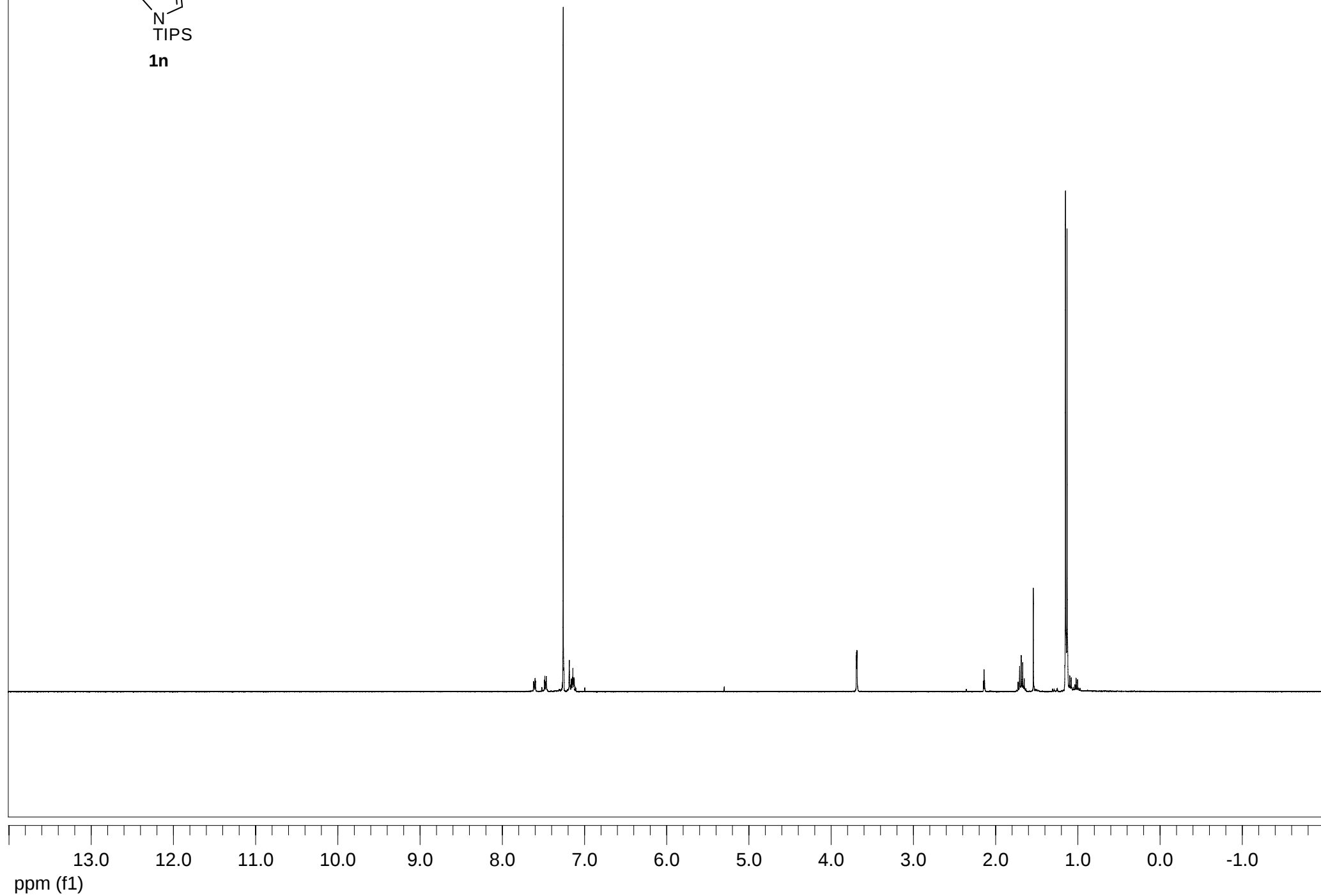
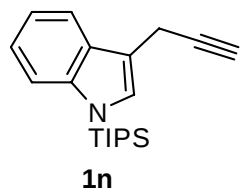
John R. DeBergh, Kathleen Spivey, and Joseph M. Ready*

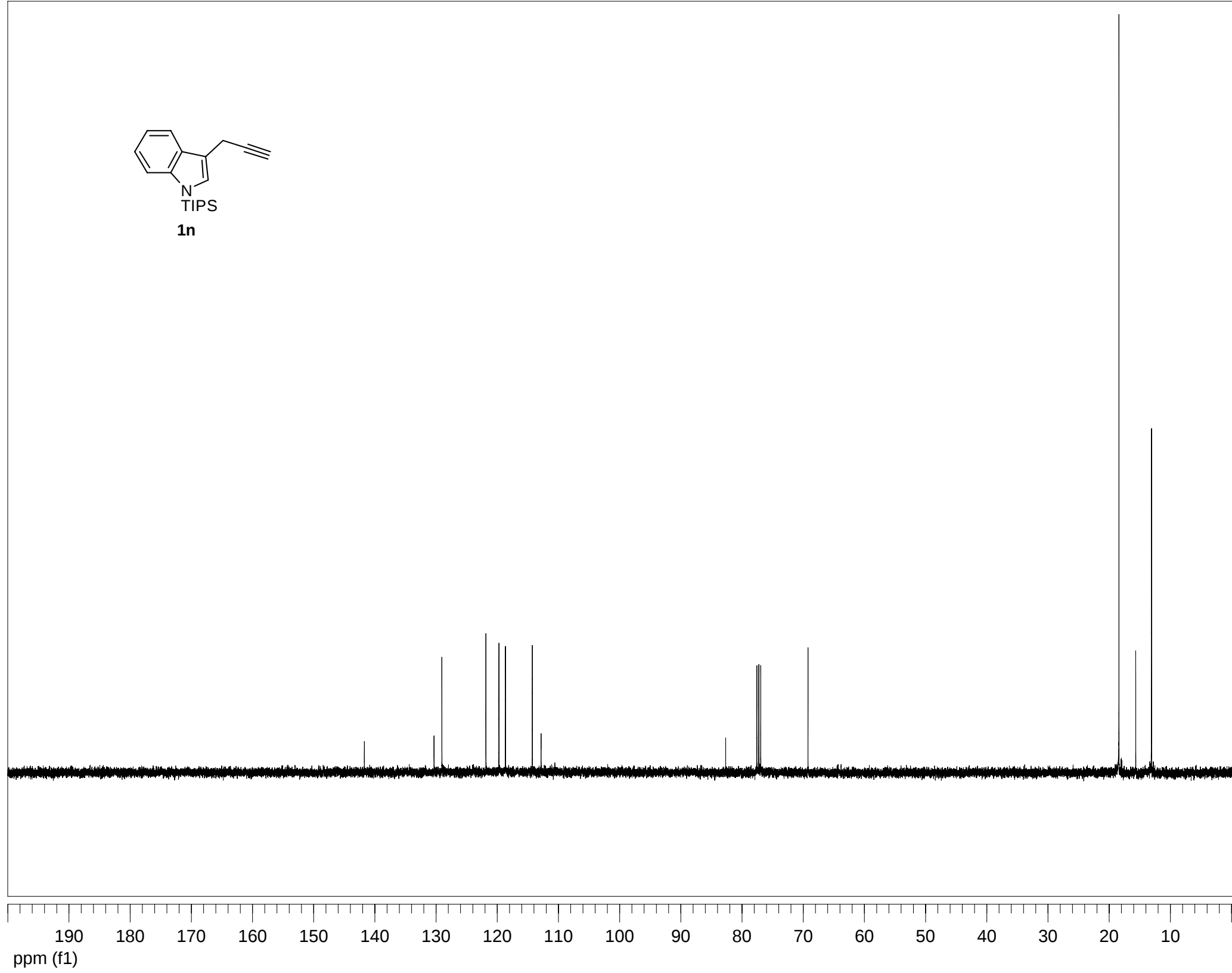
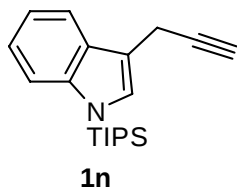
*Department of Biochemistry, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry
Hines Boulevard, Dallas, TX 75390-9038*

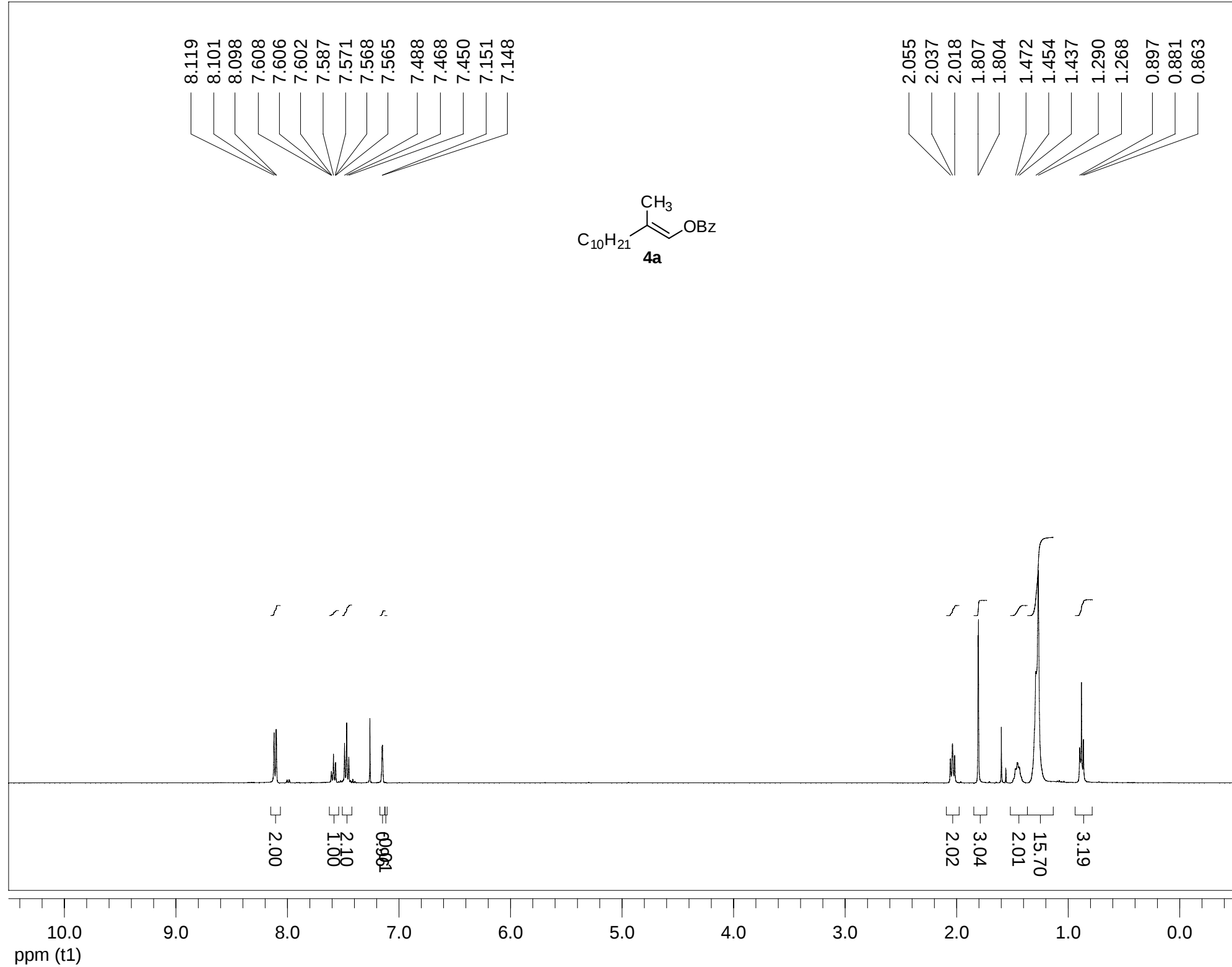
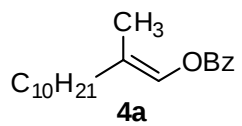
NMR Spectra and HPLC Chromatograms of Synthetic Compounds

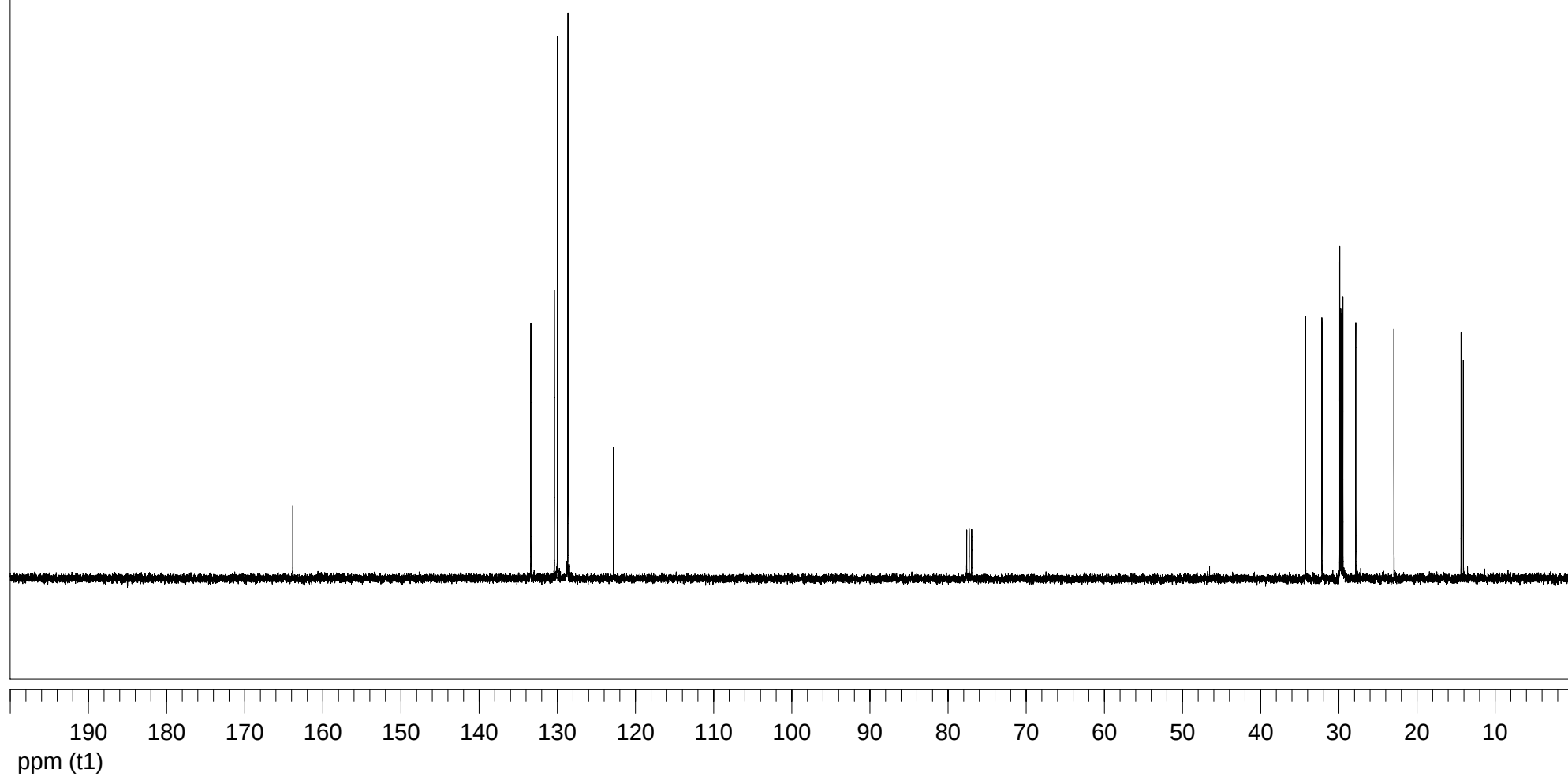
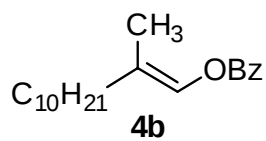


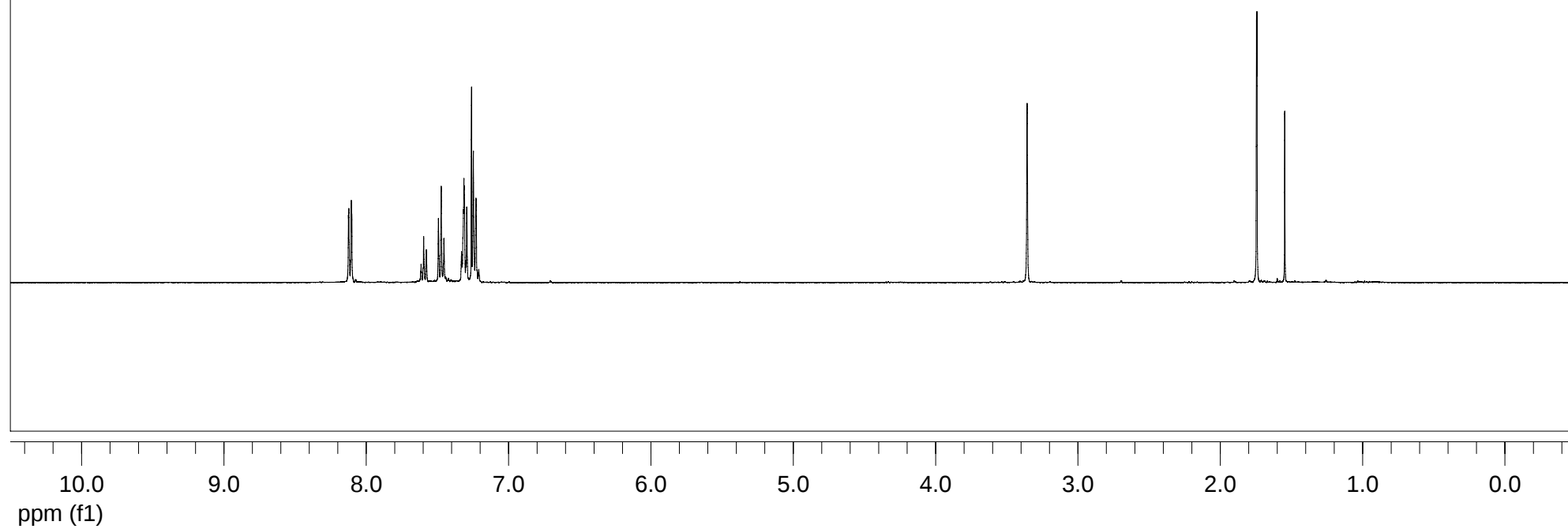
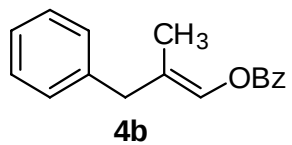


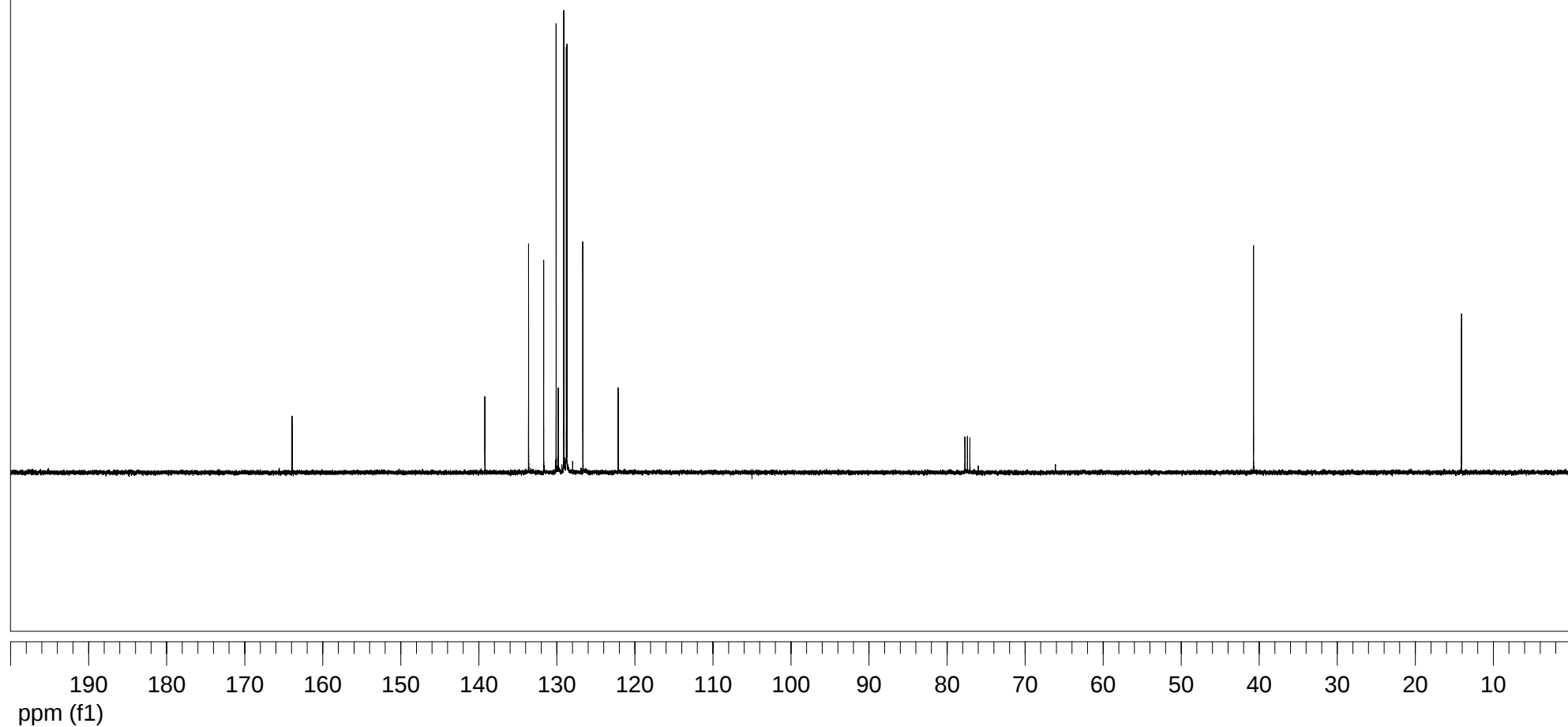
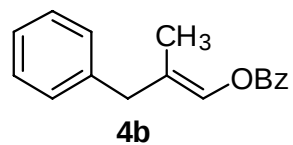


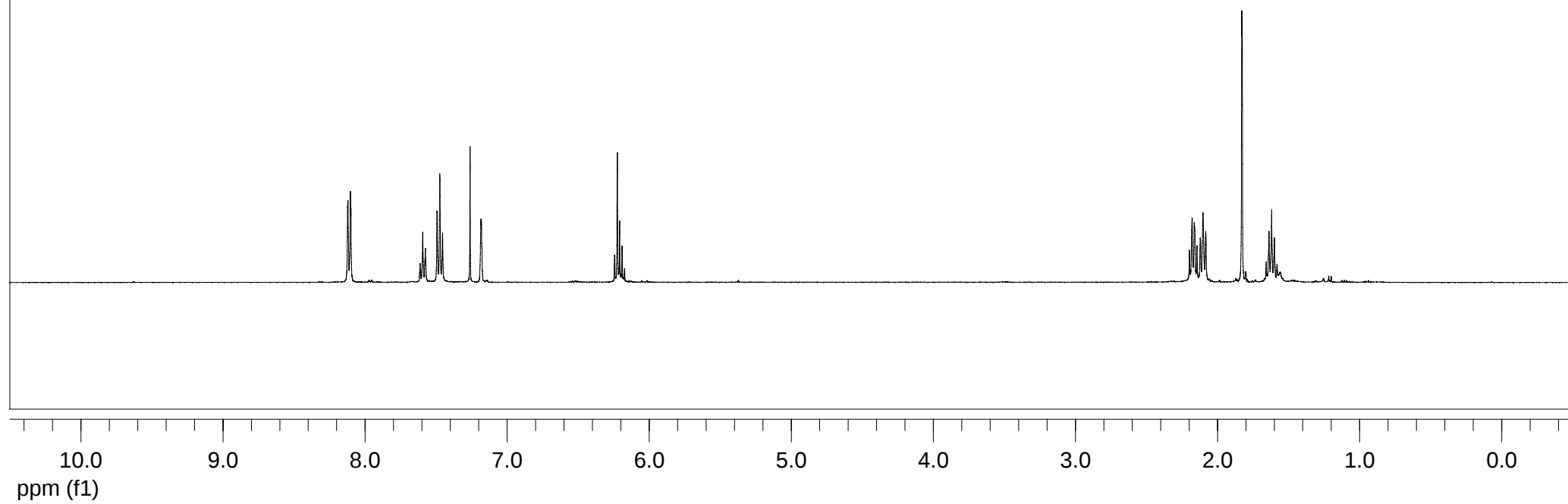
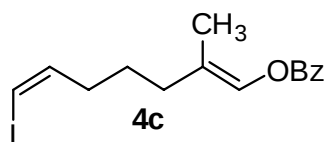


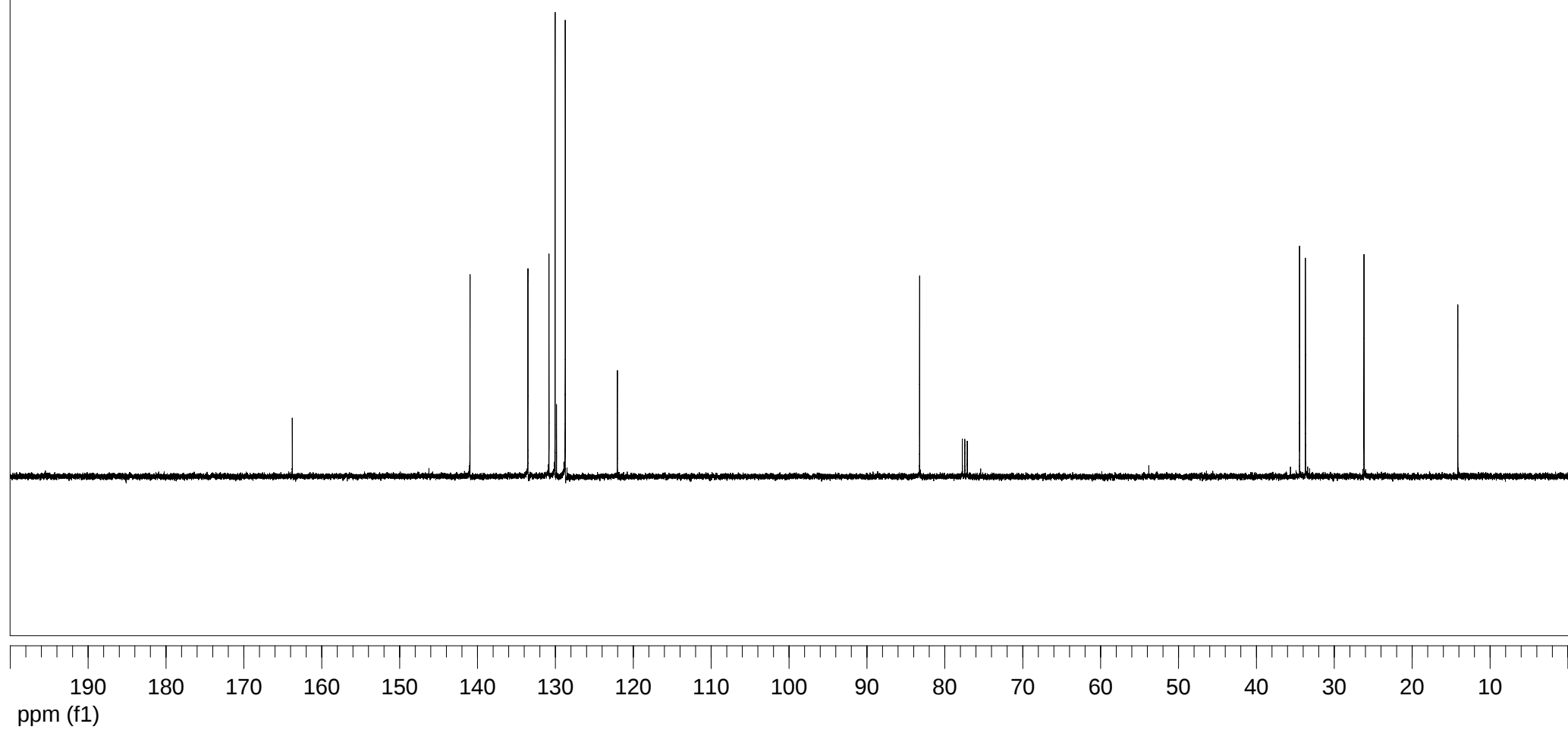
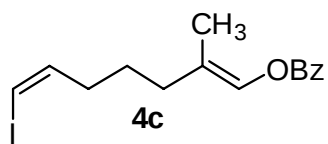


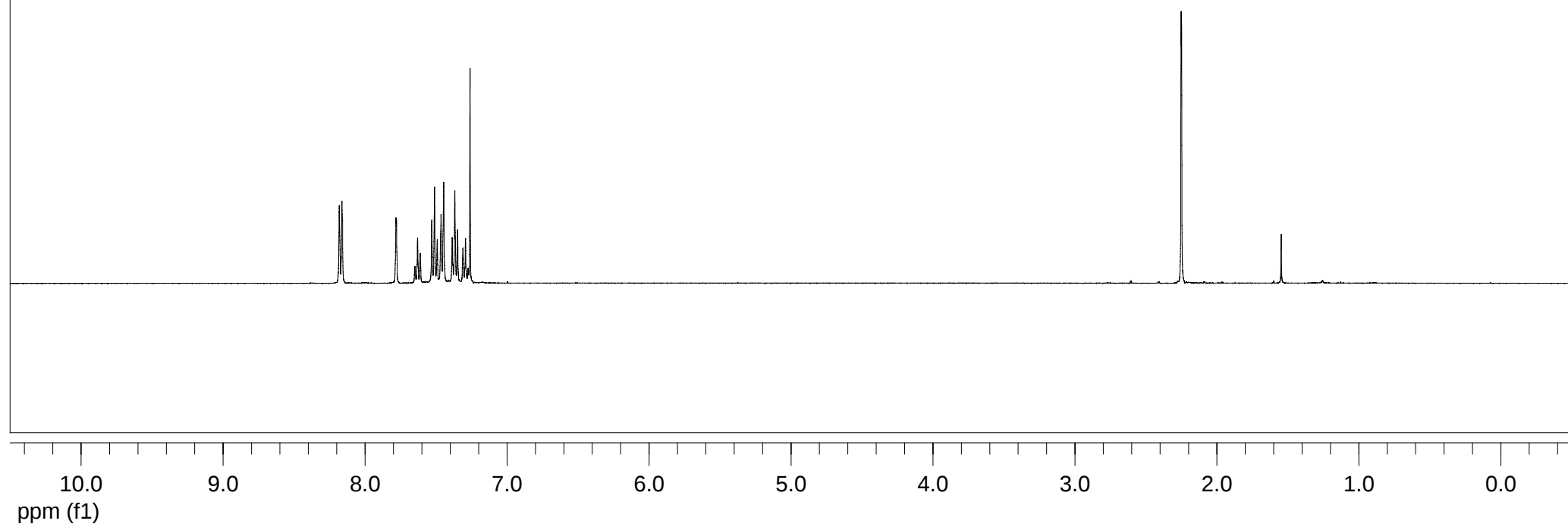
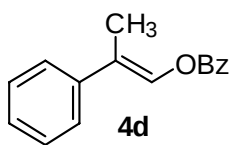


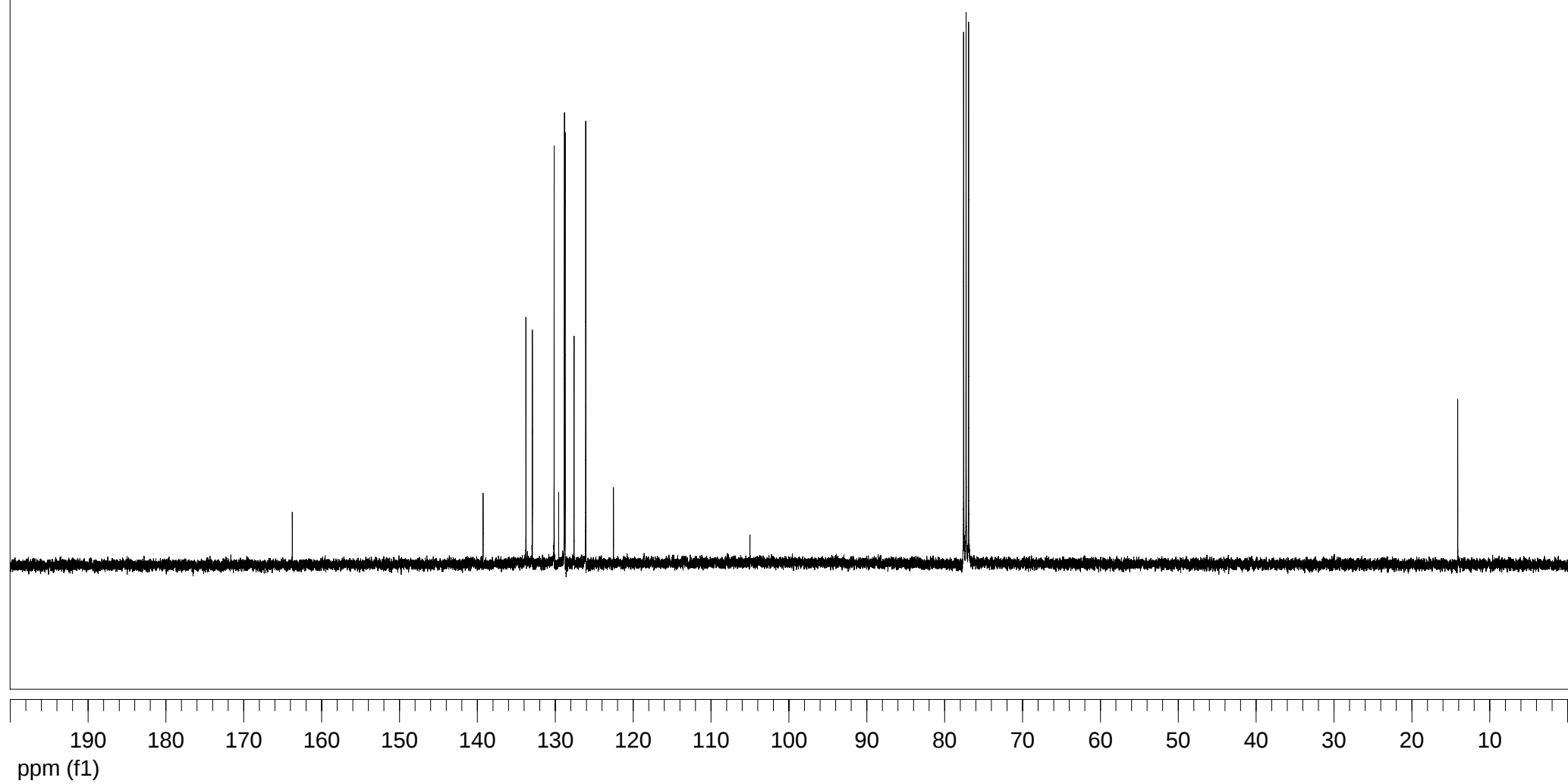
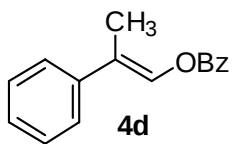


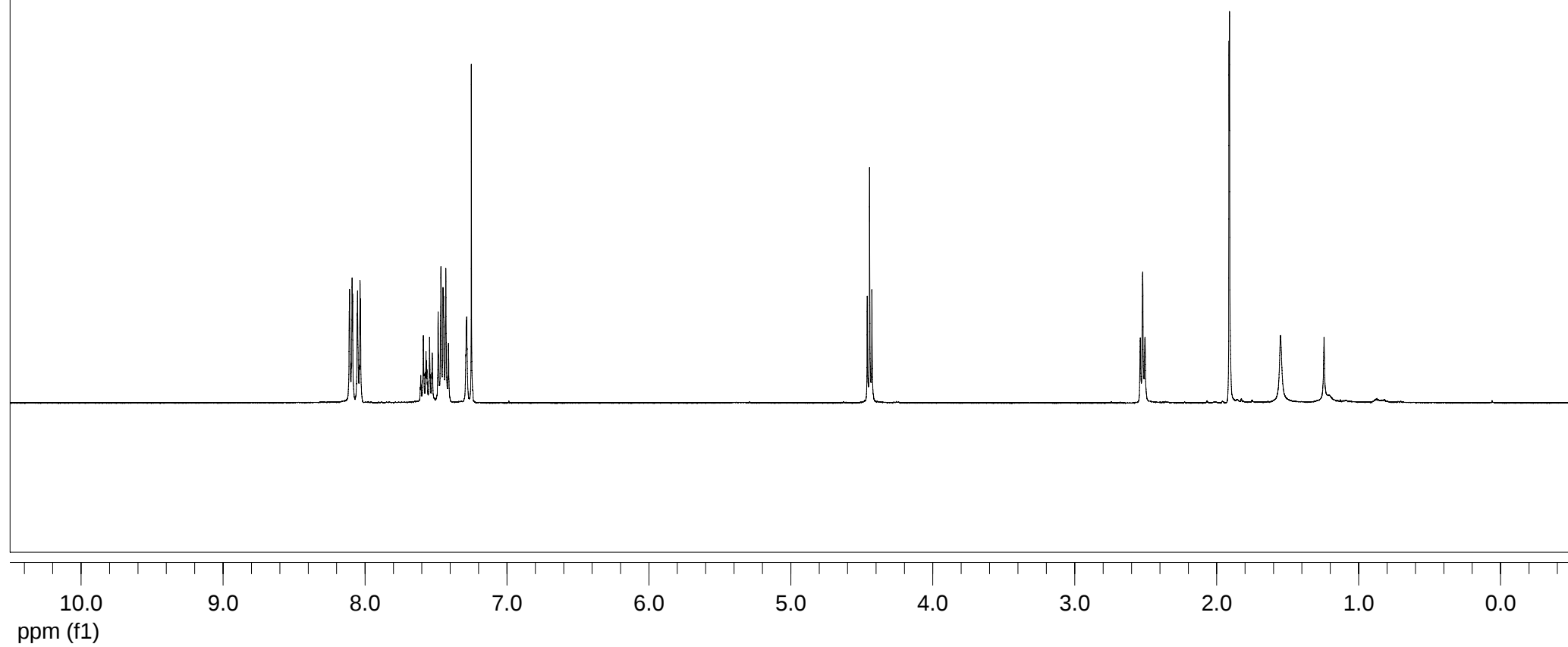
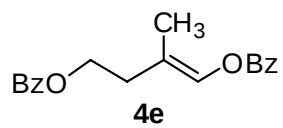


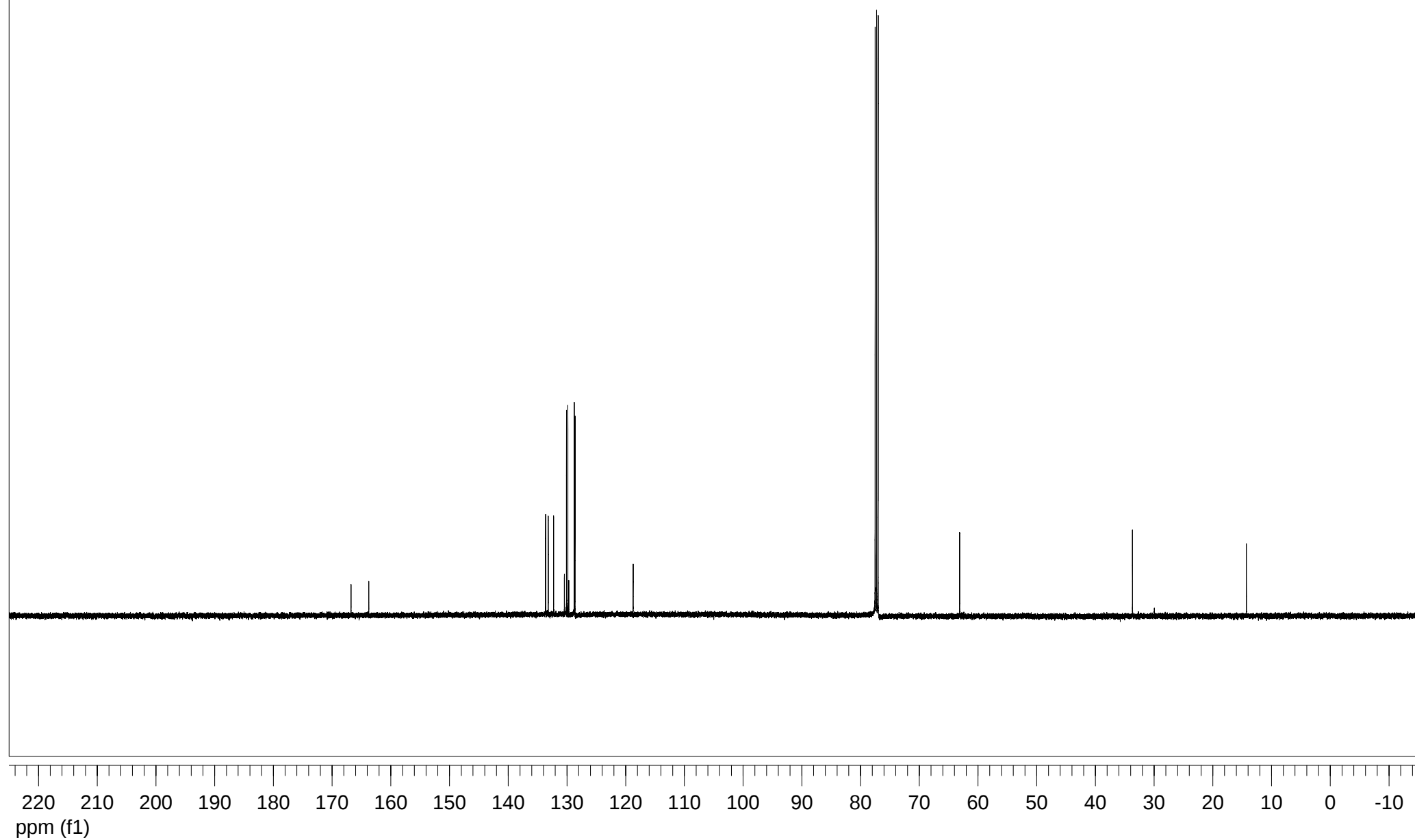
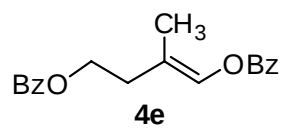


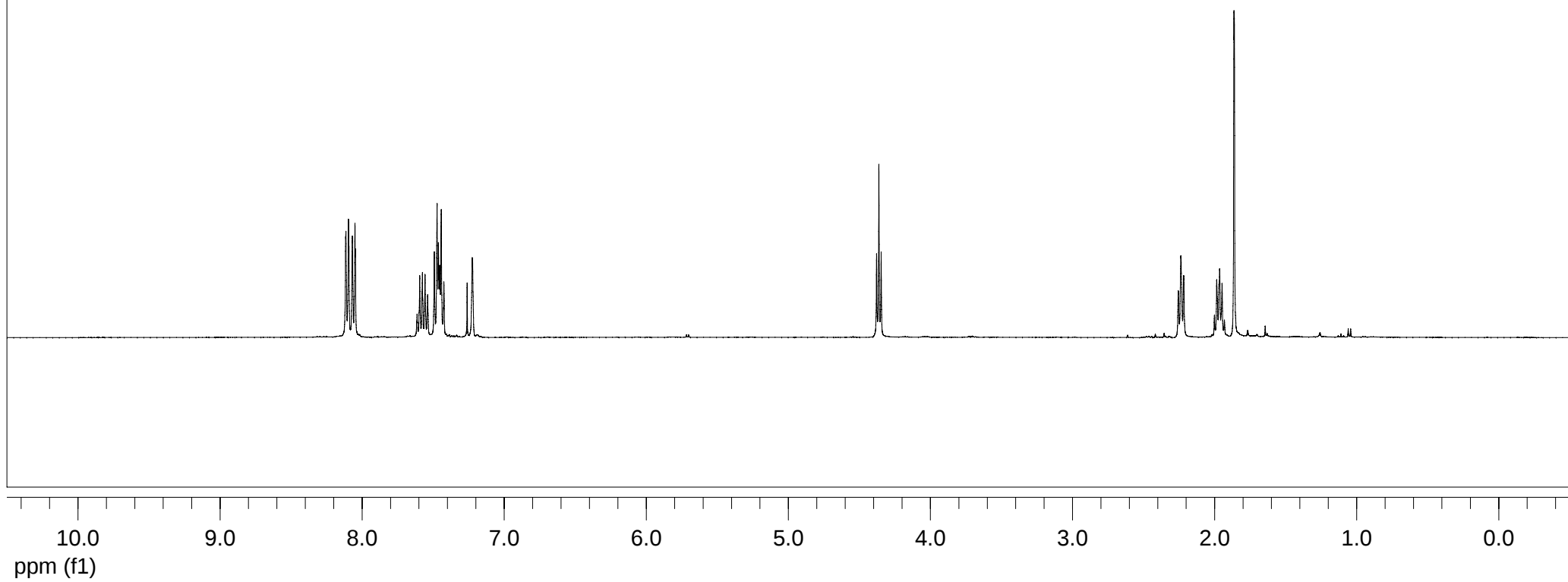
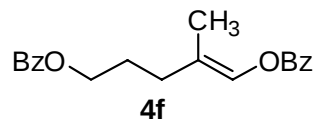


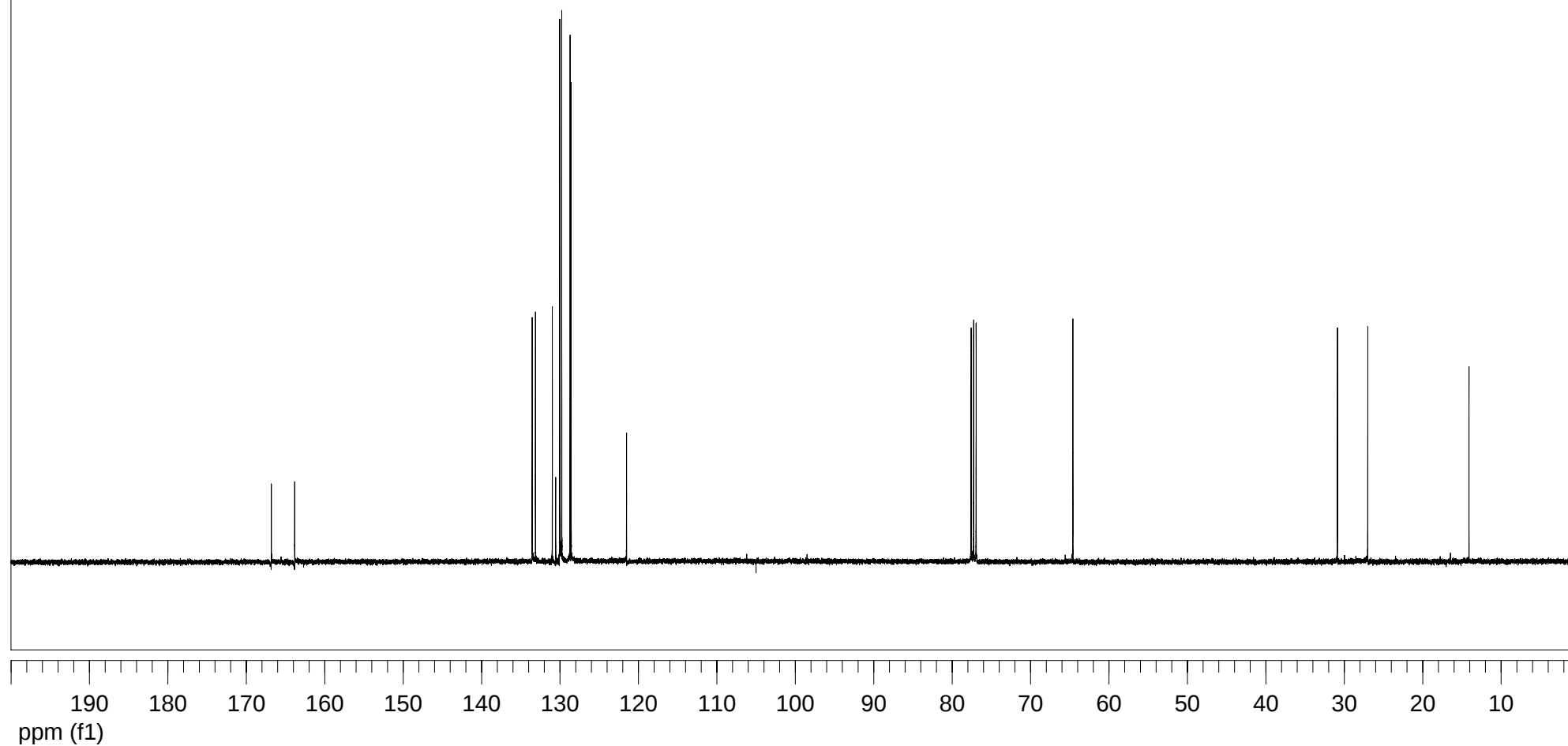
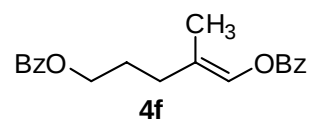


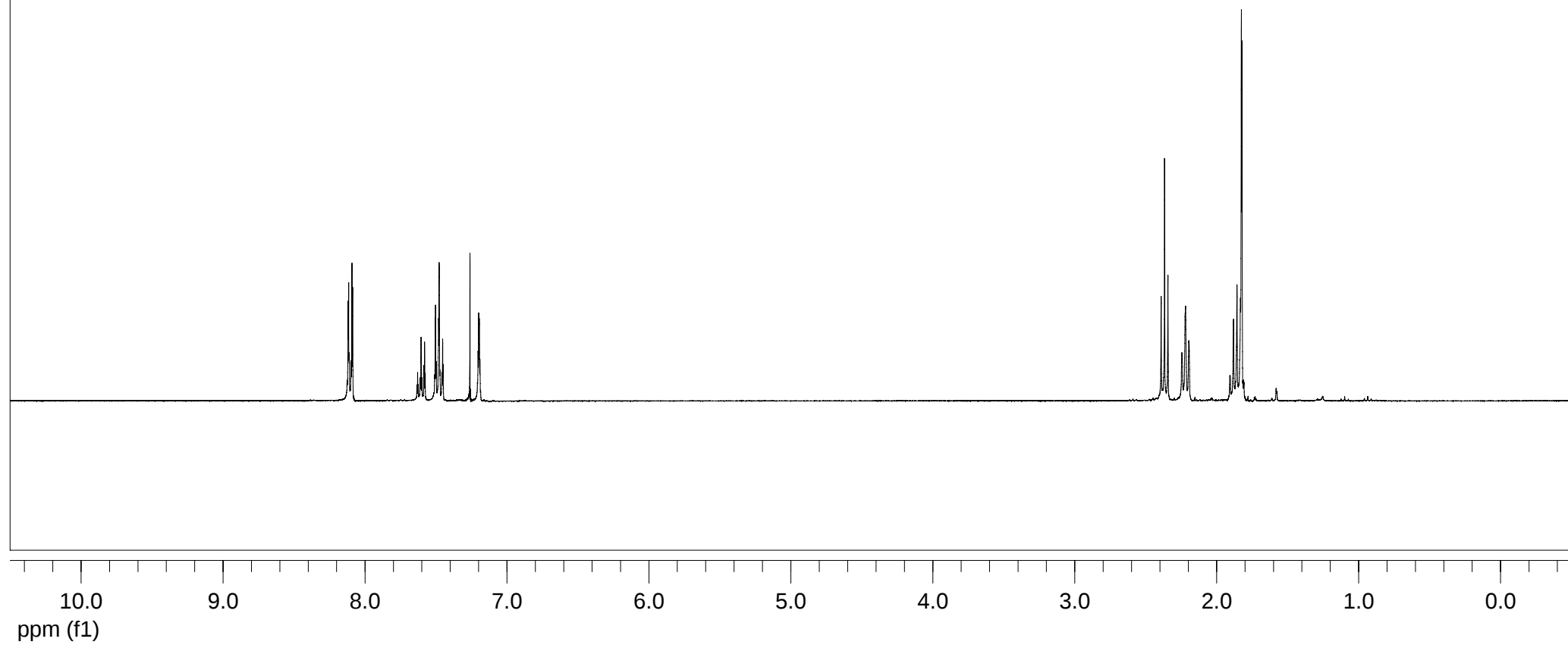
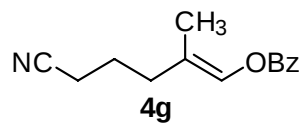


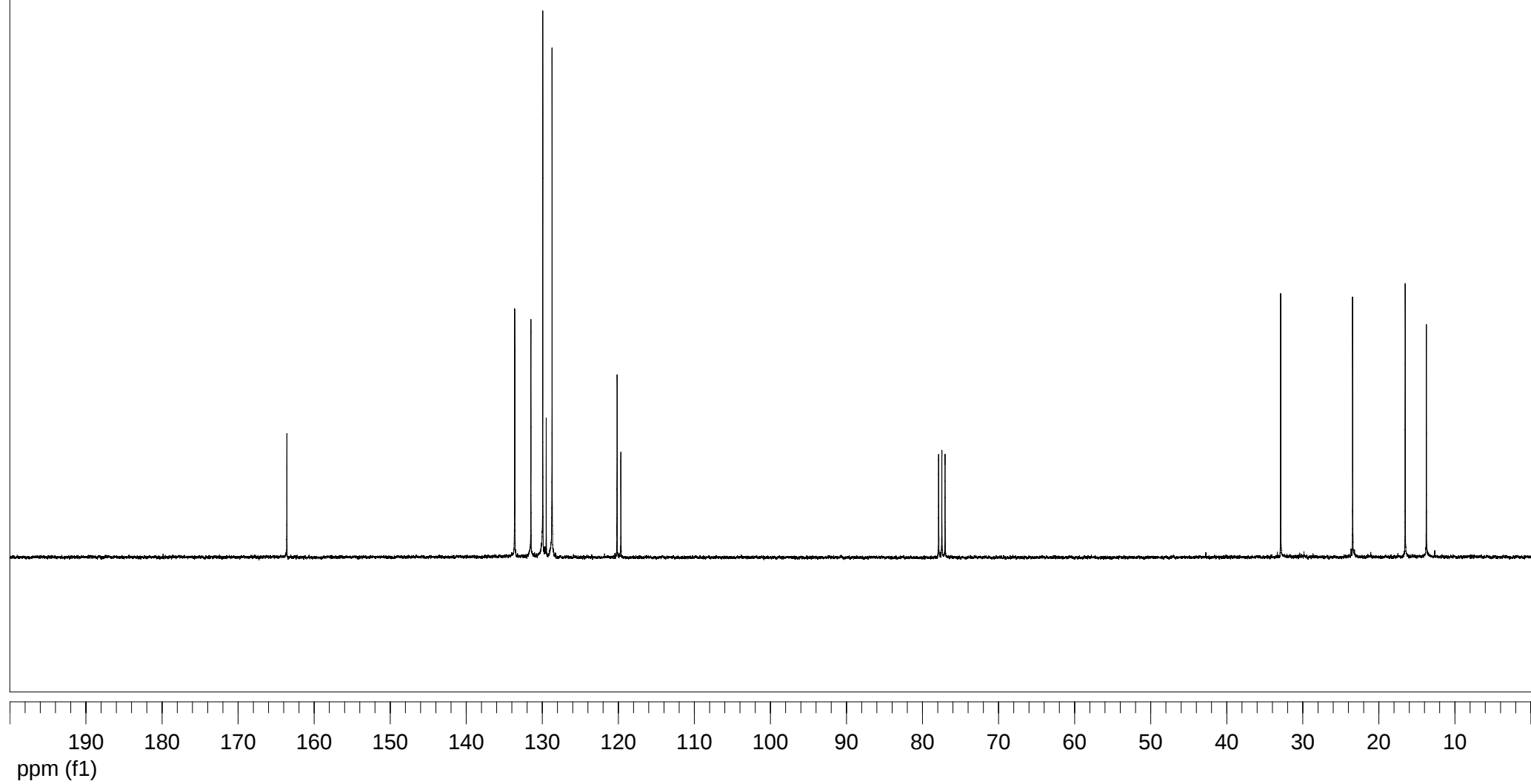
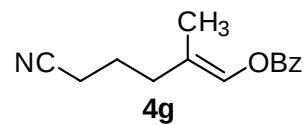


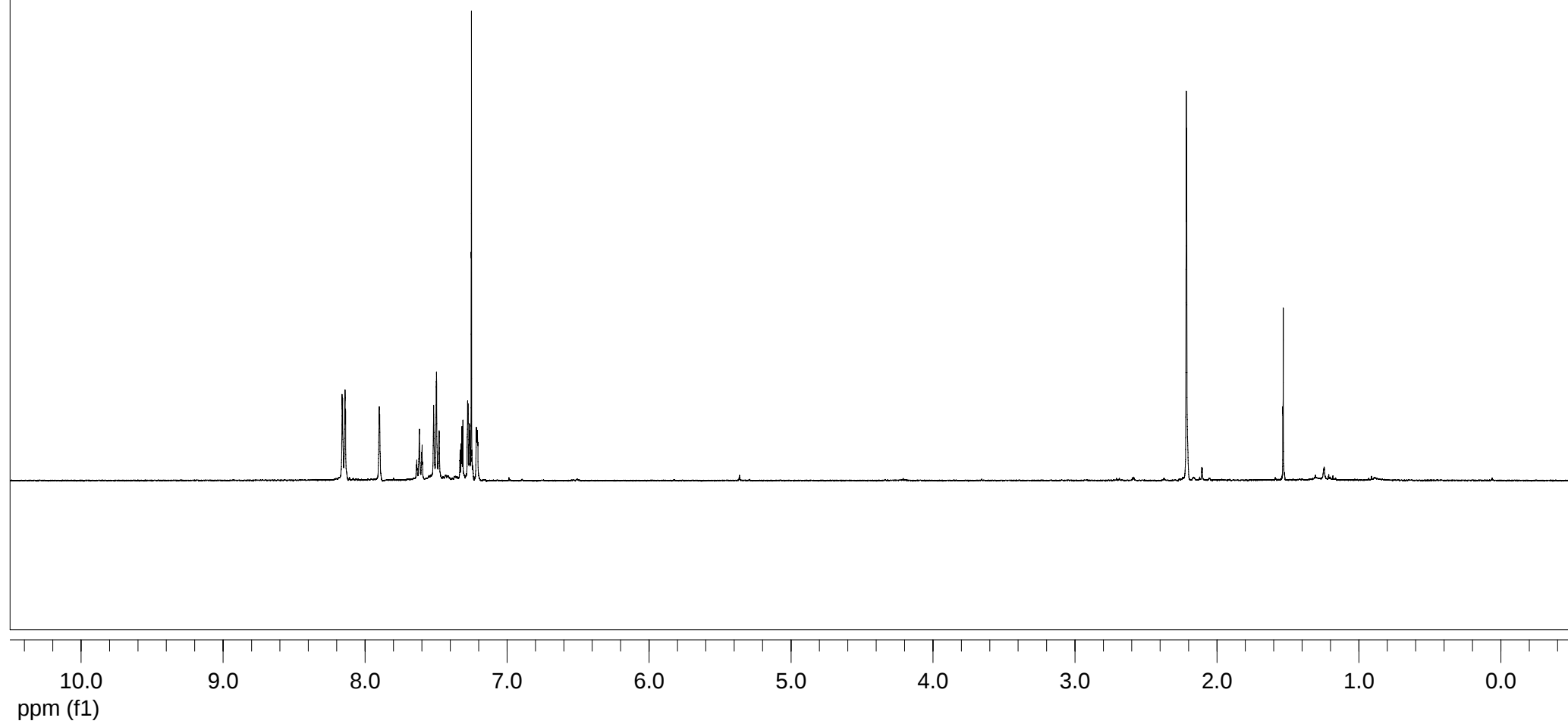
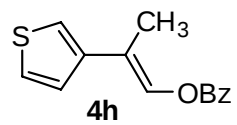


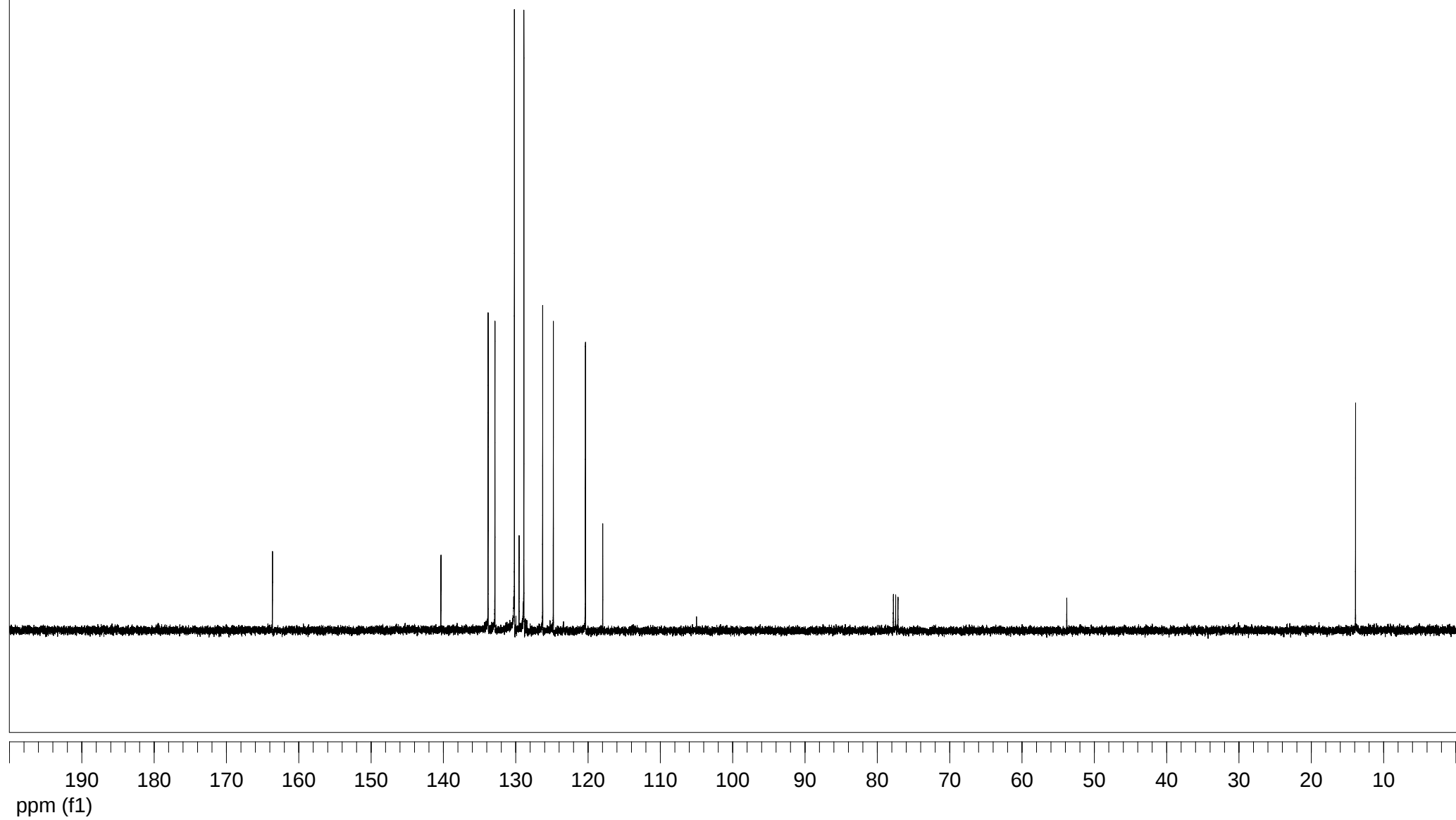
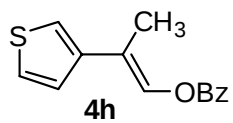


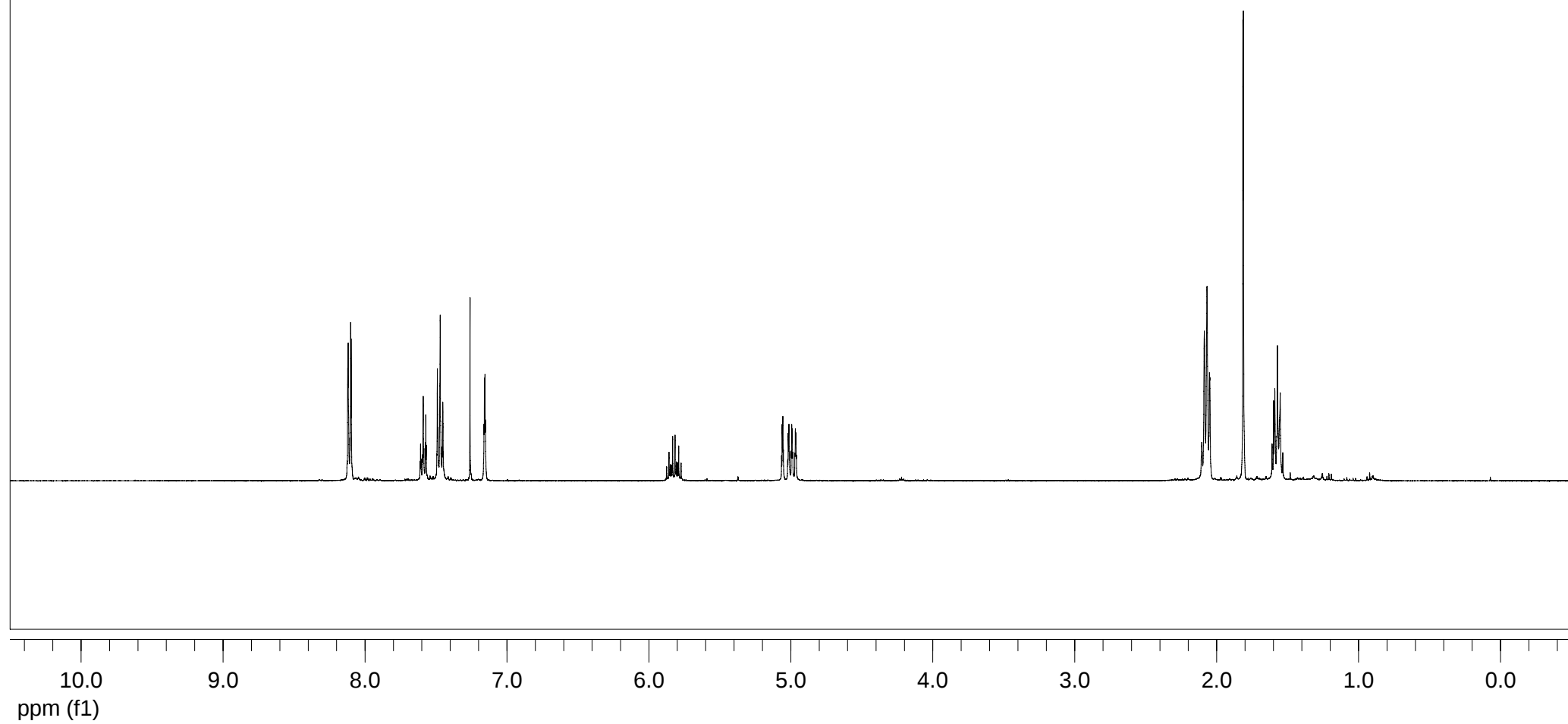
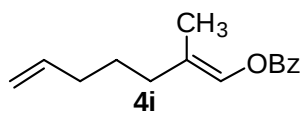


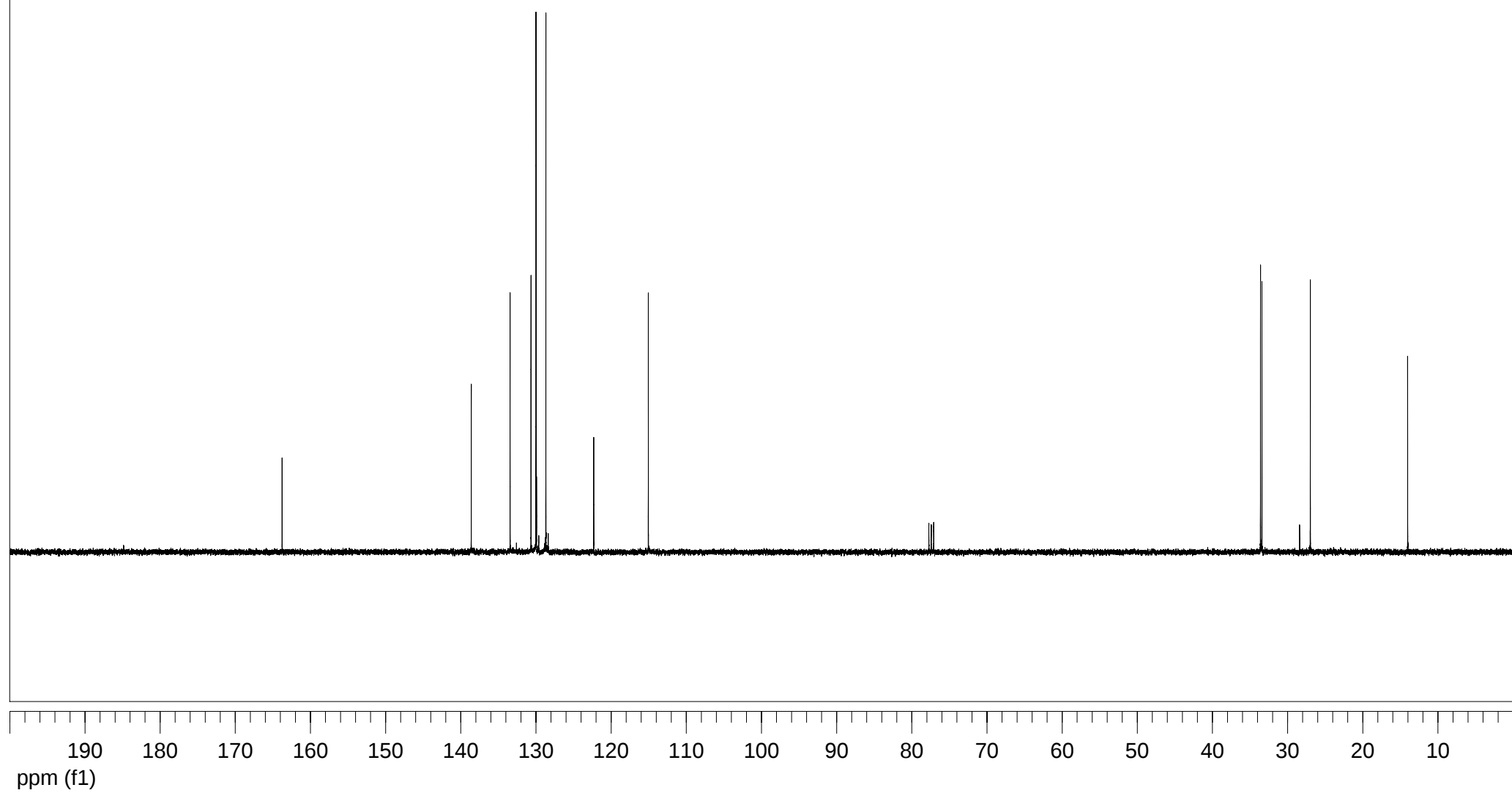
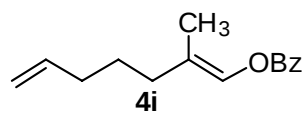


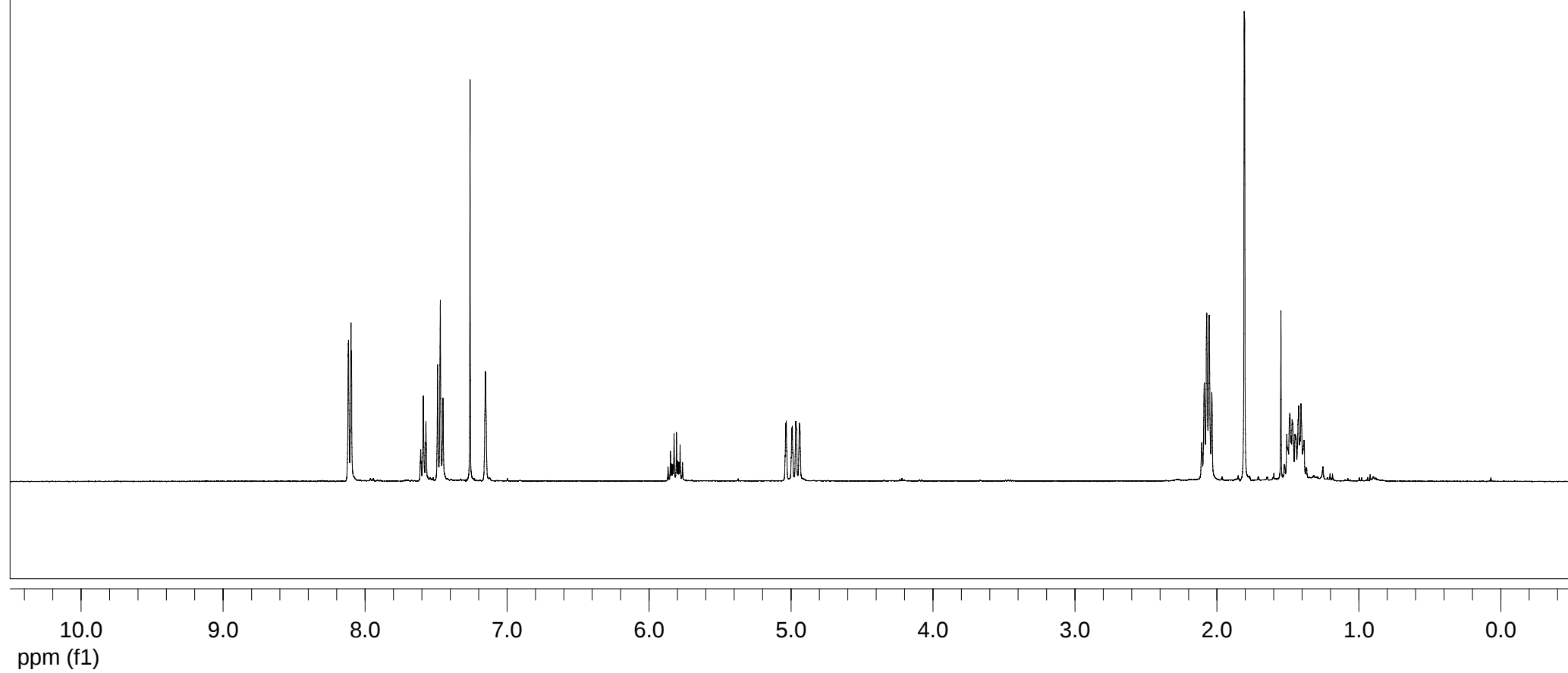
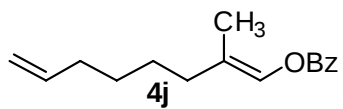


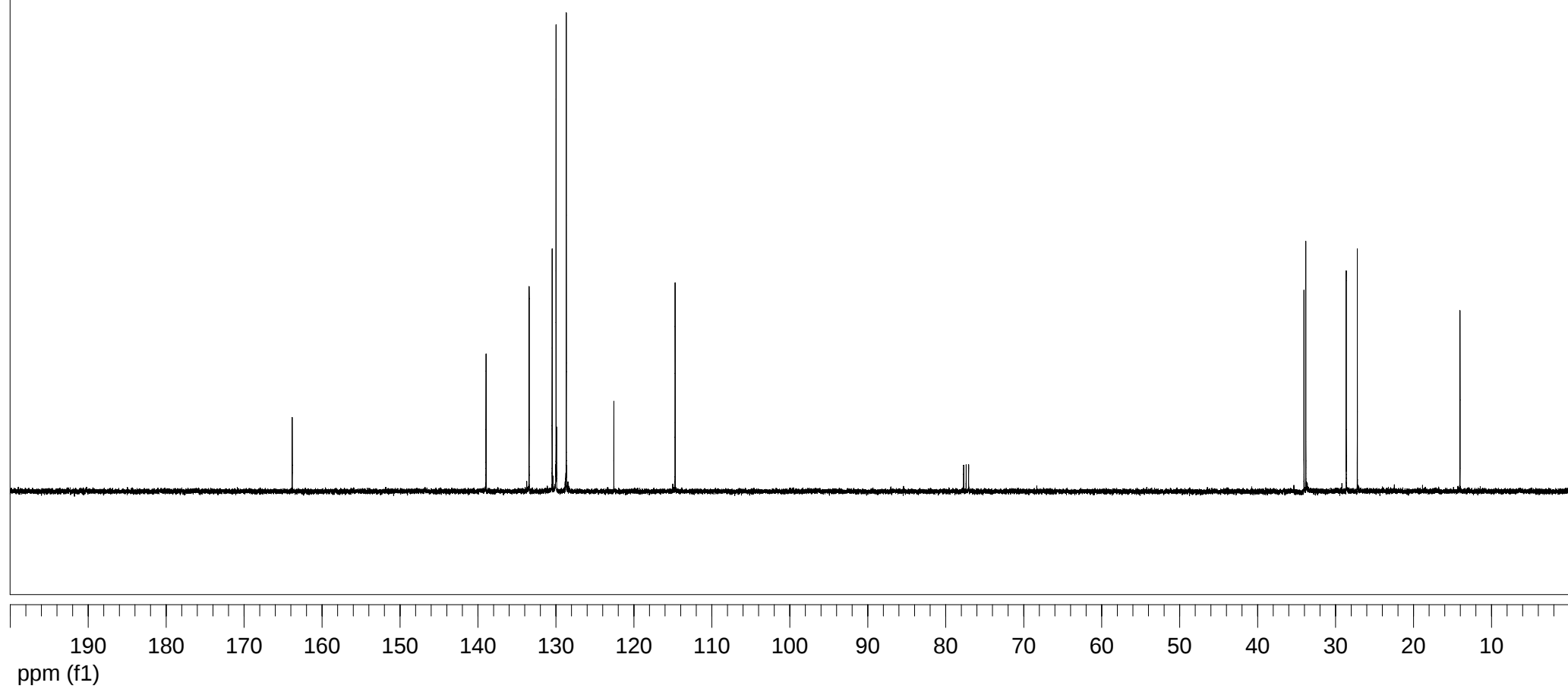
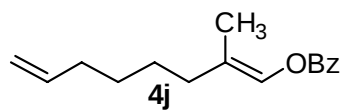


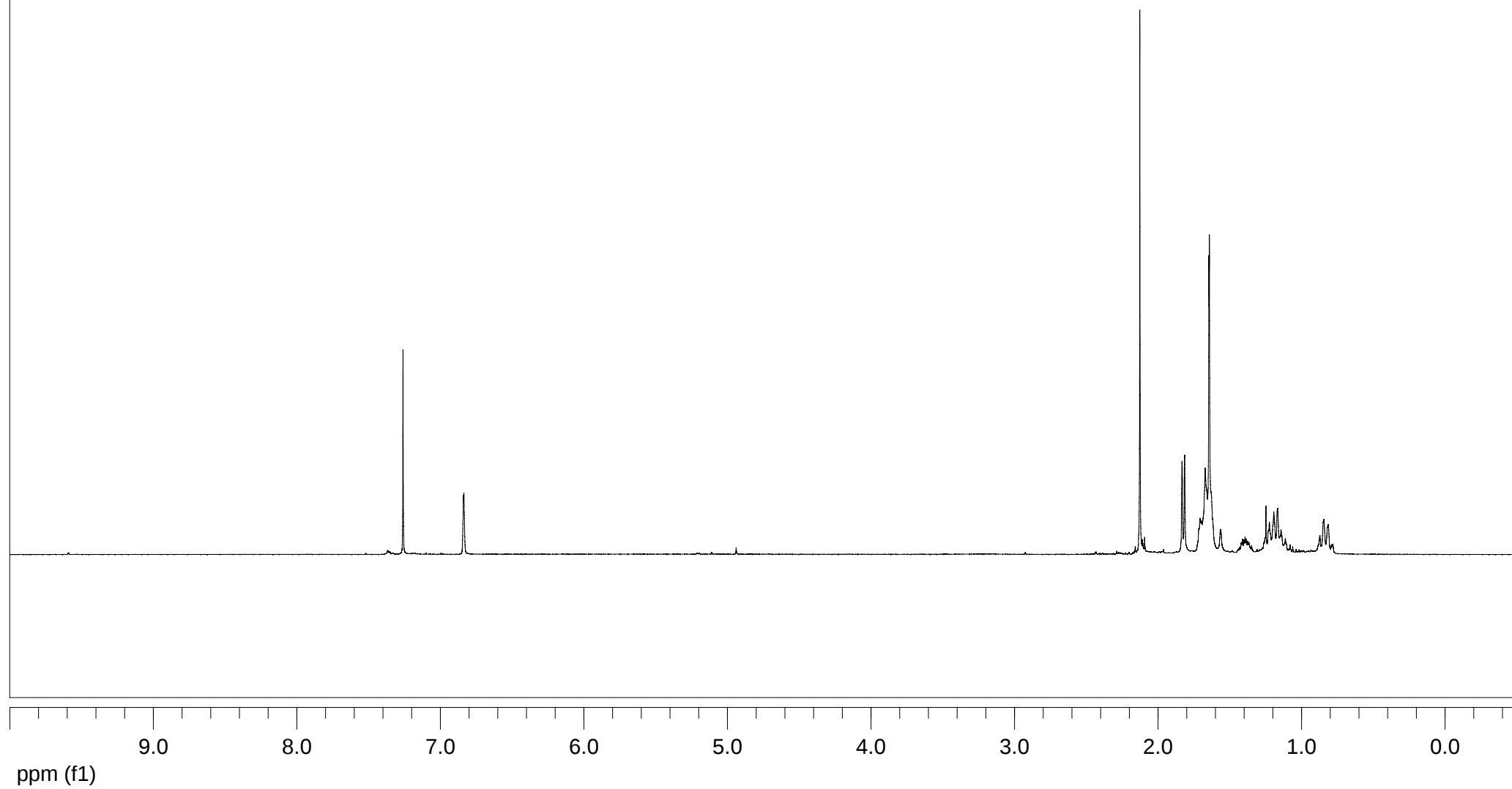
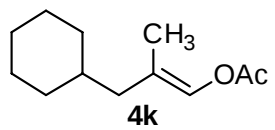


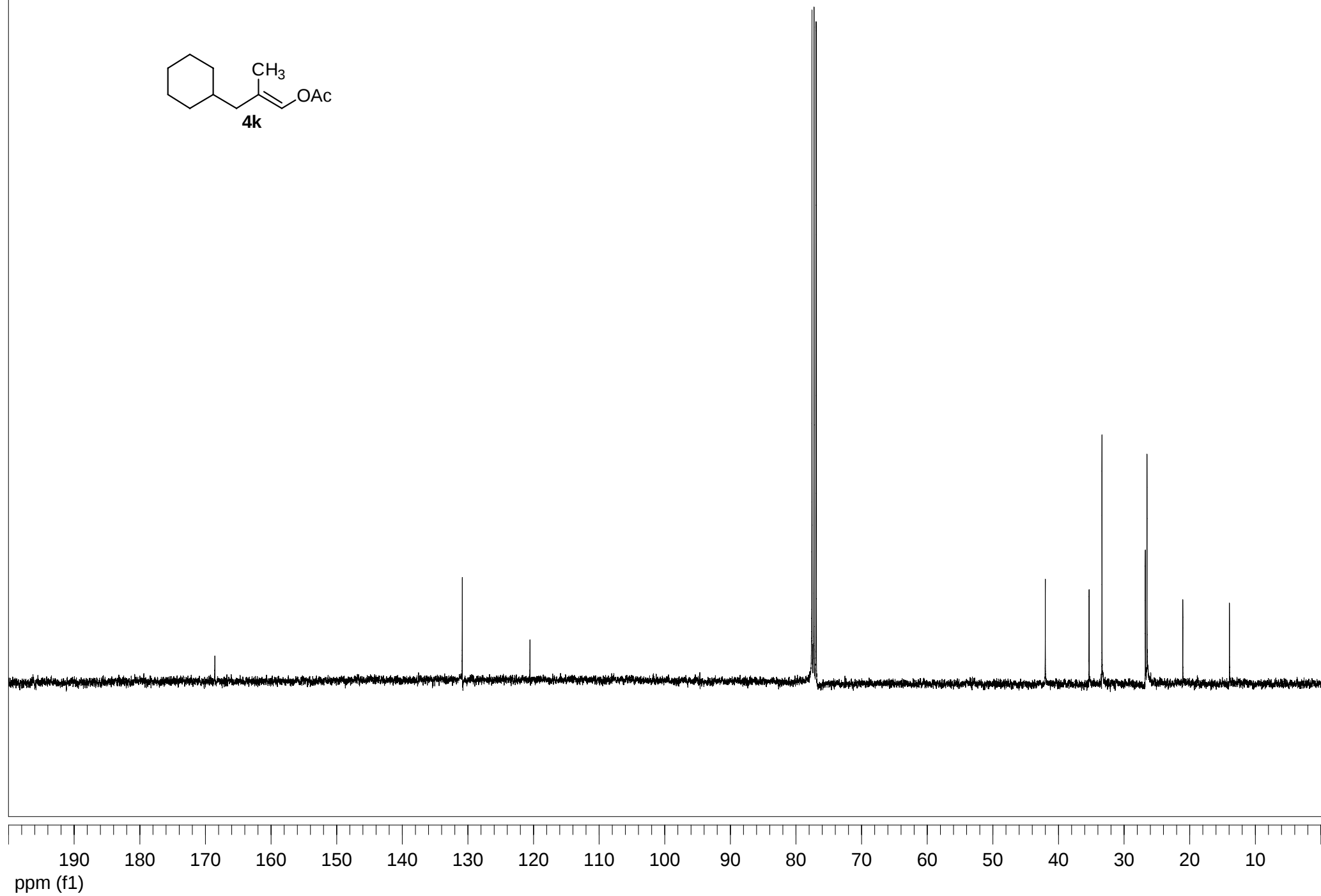
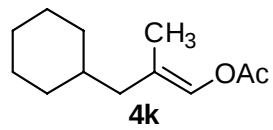


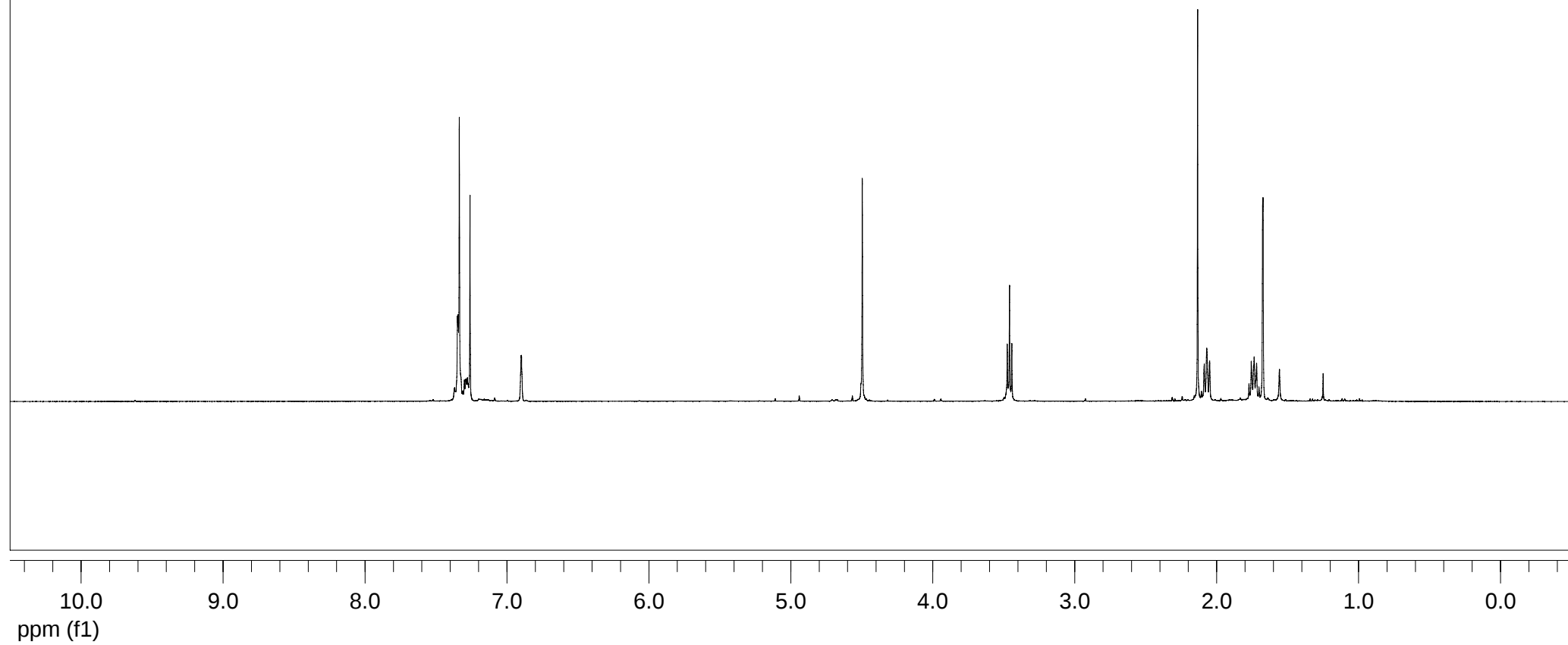
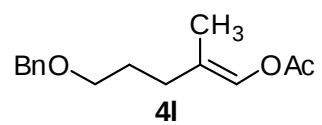


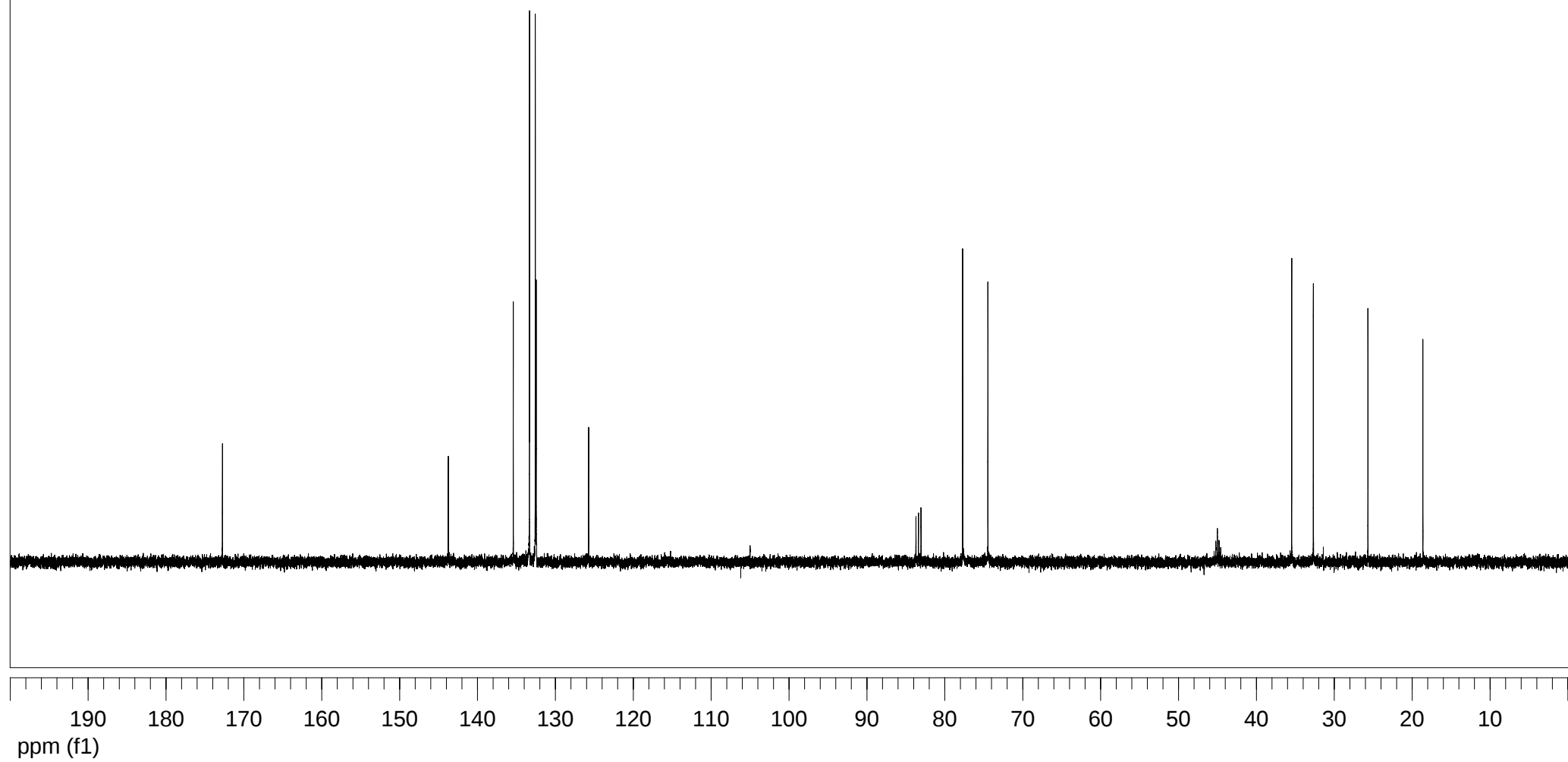
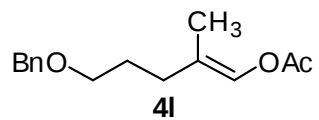


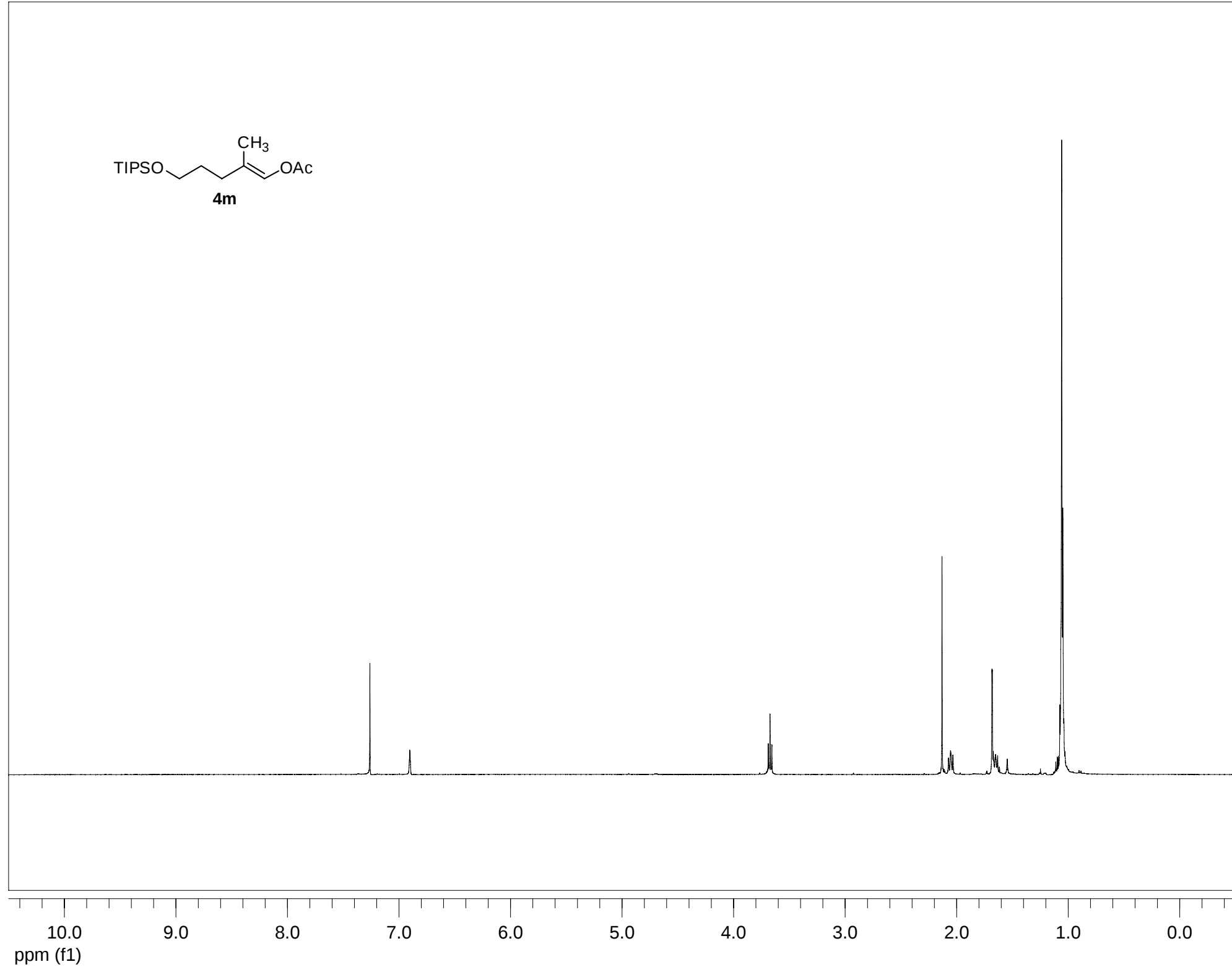
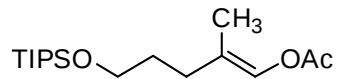


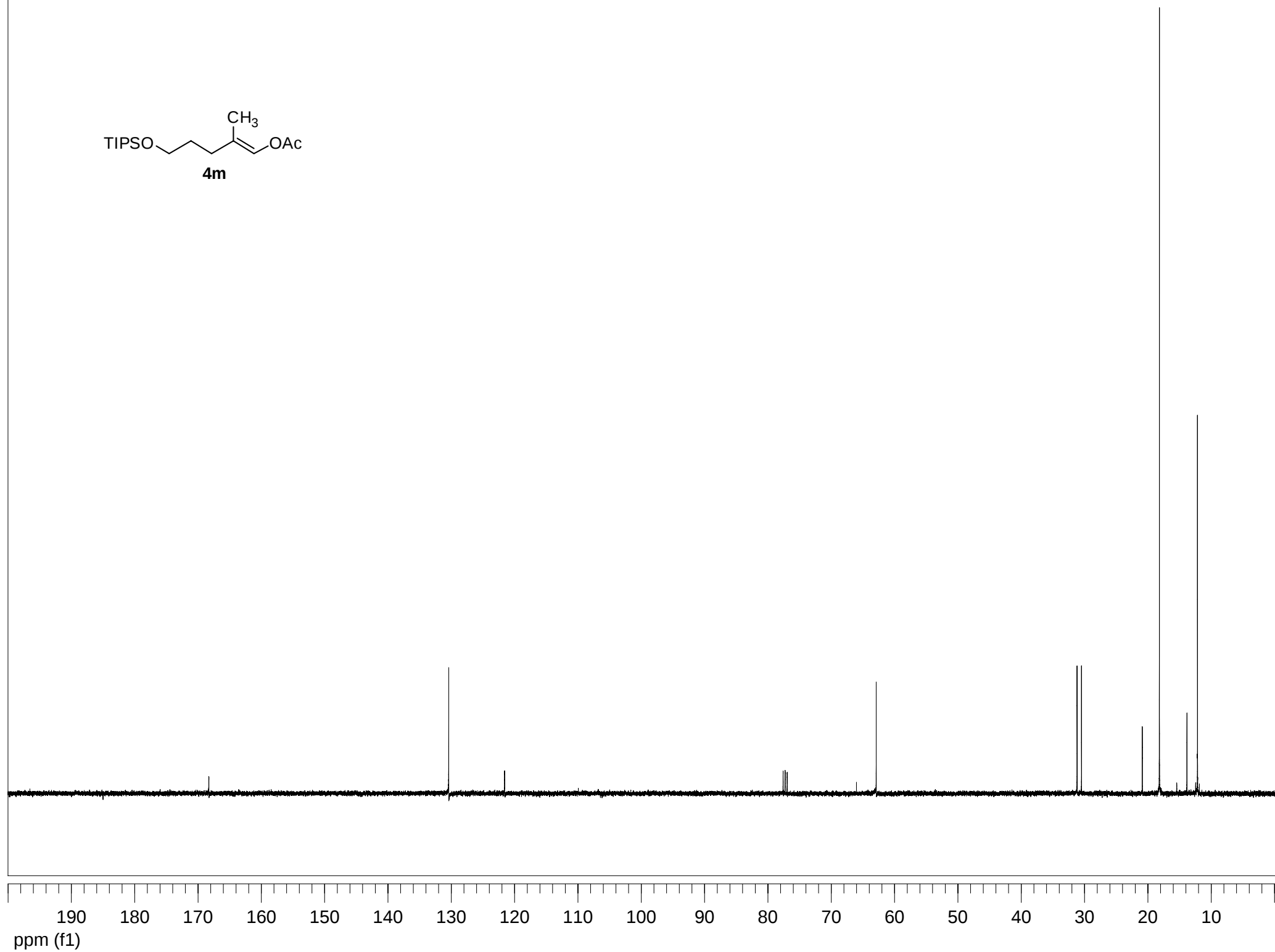
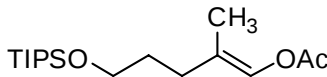


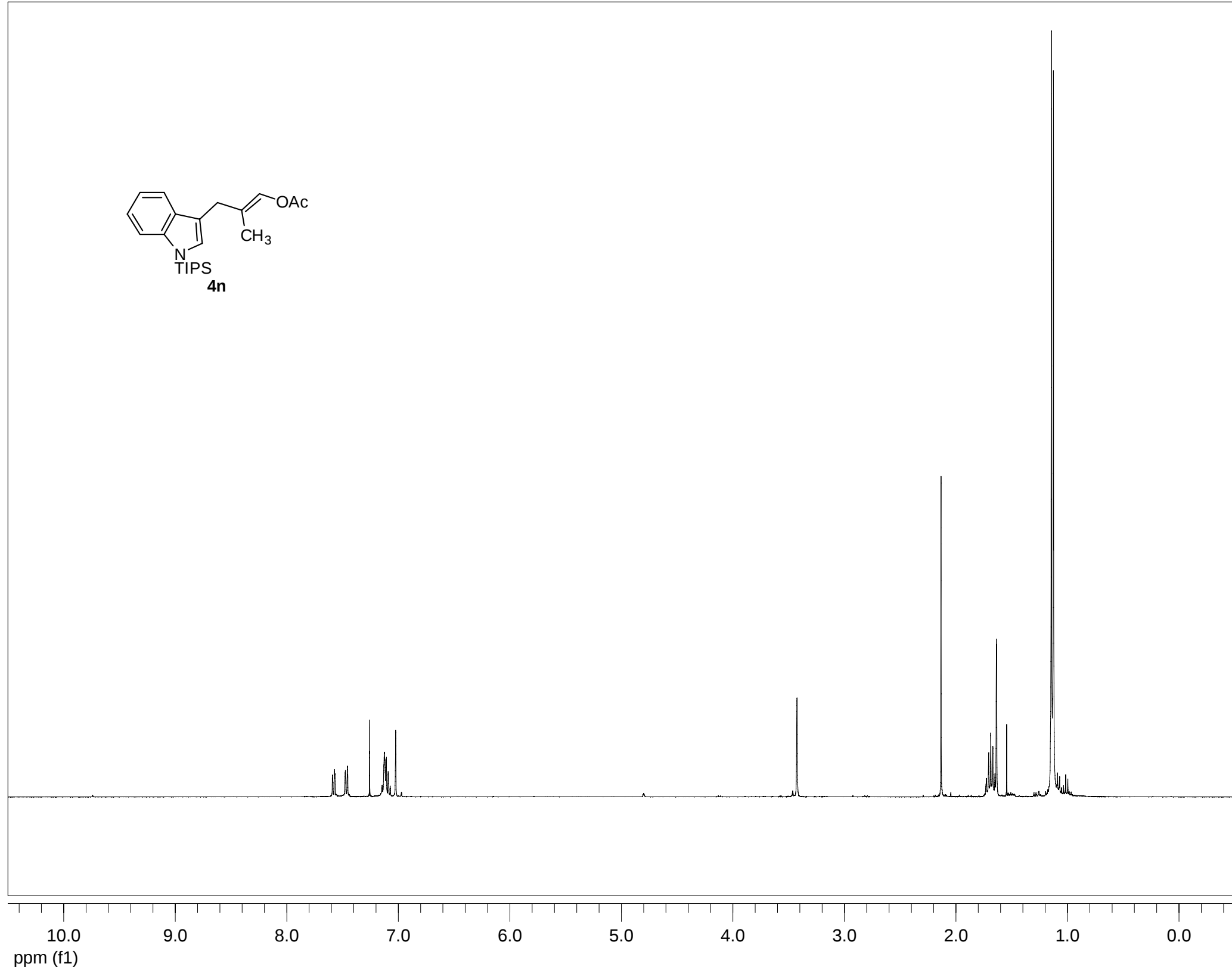
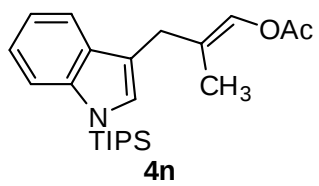


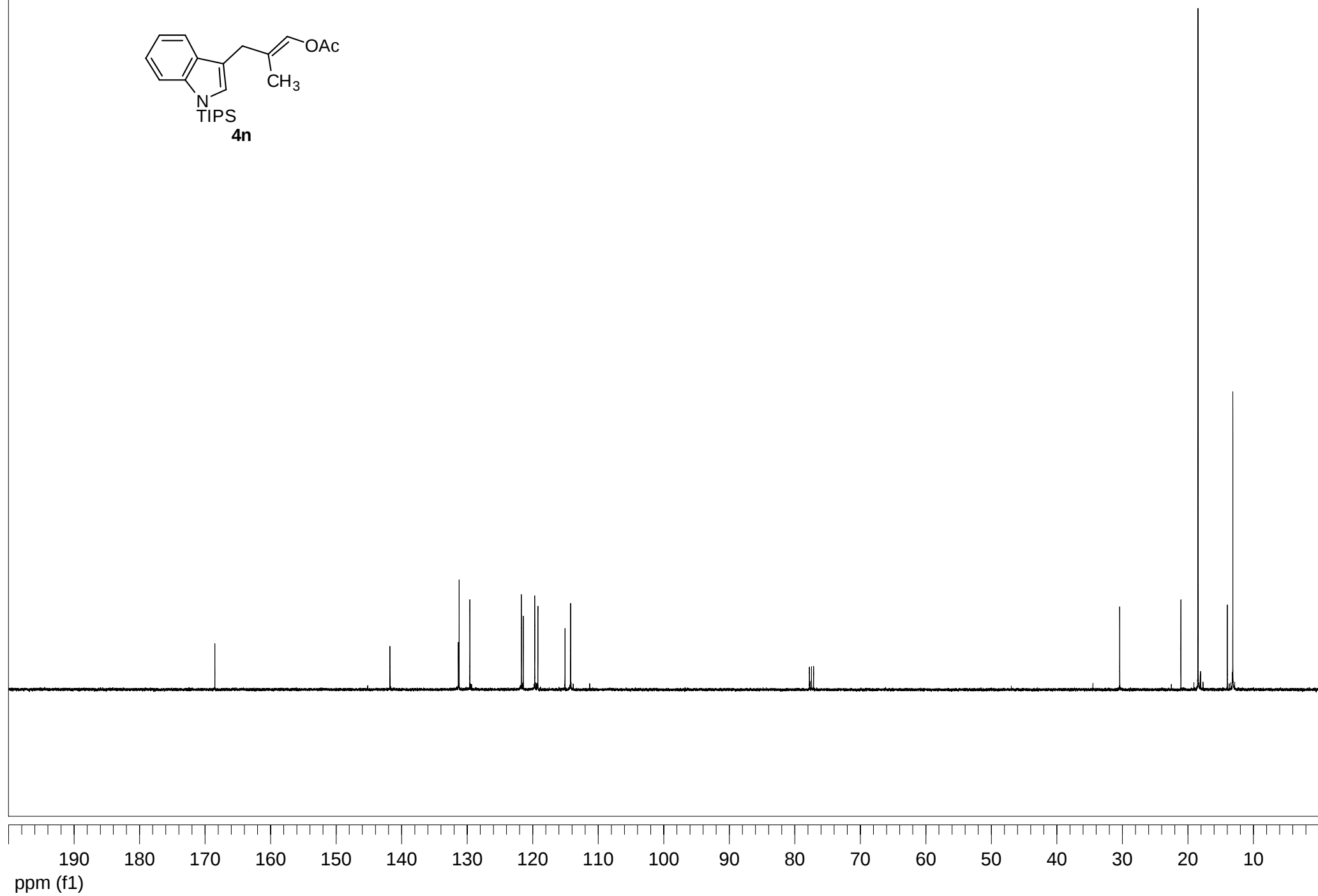
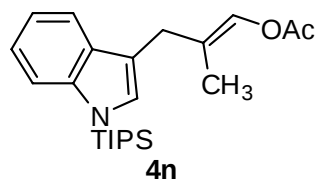


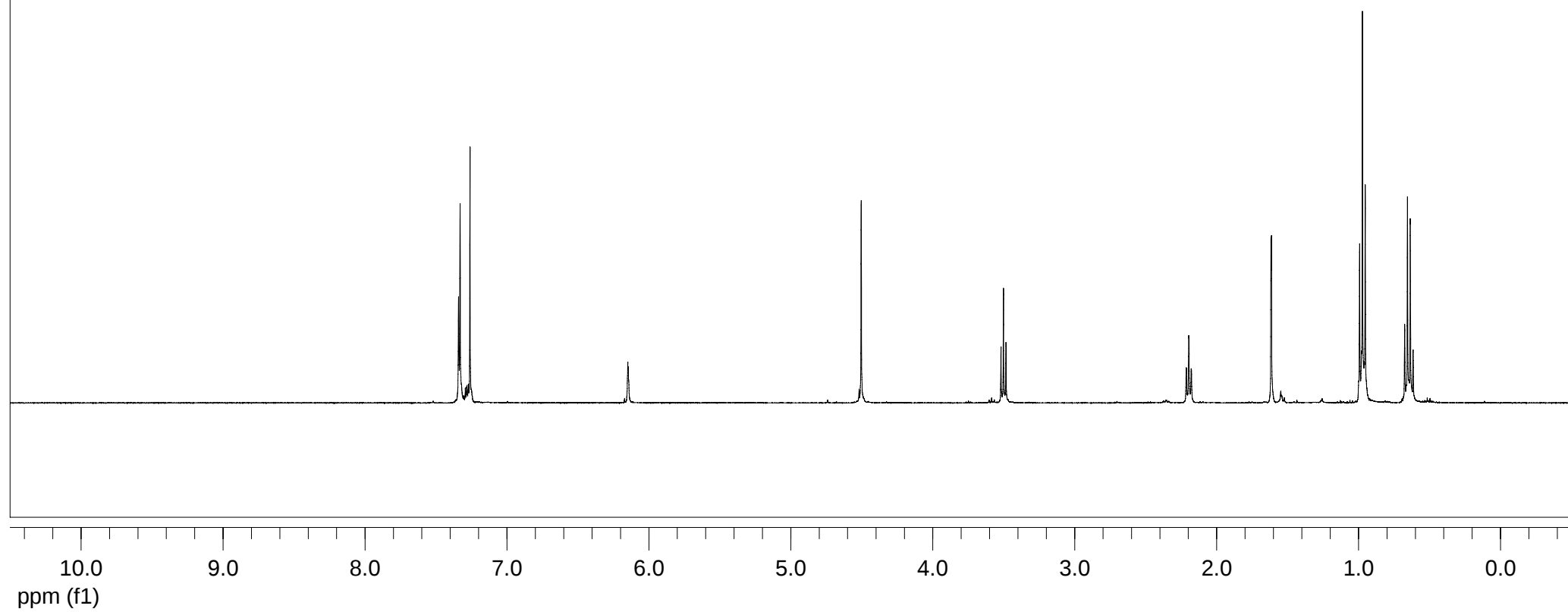
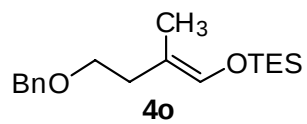


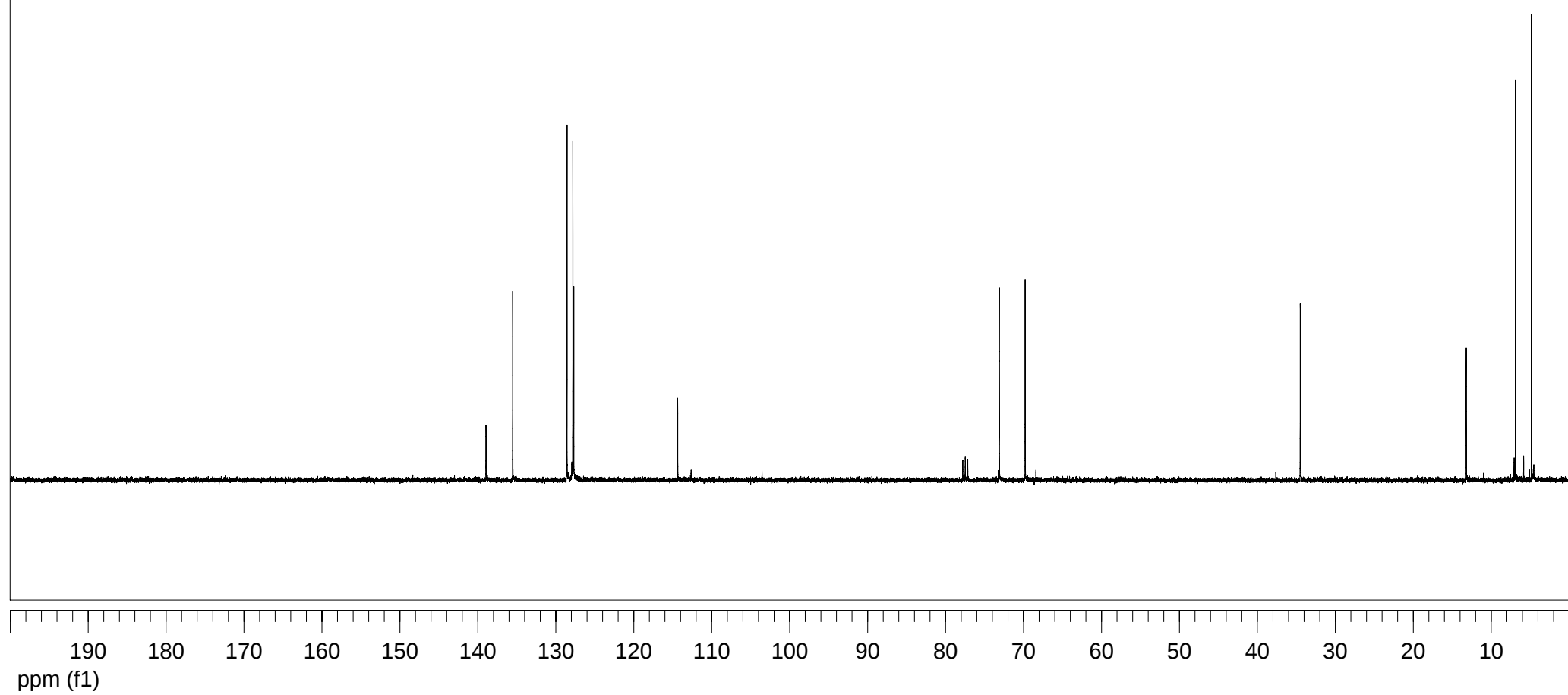
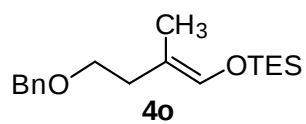


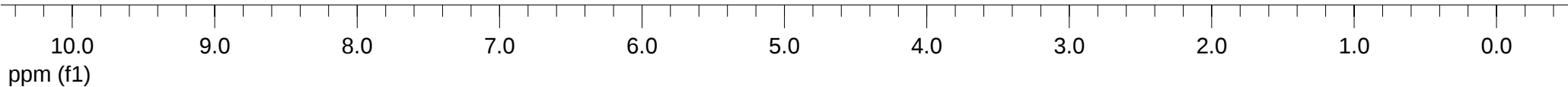


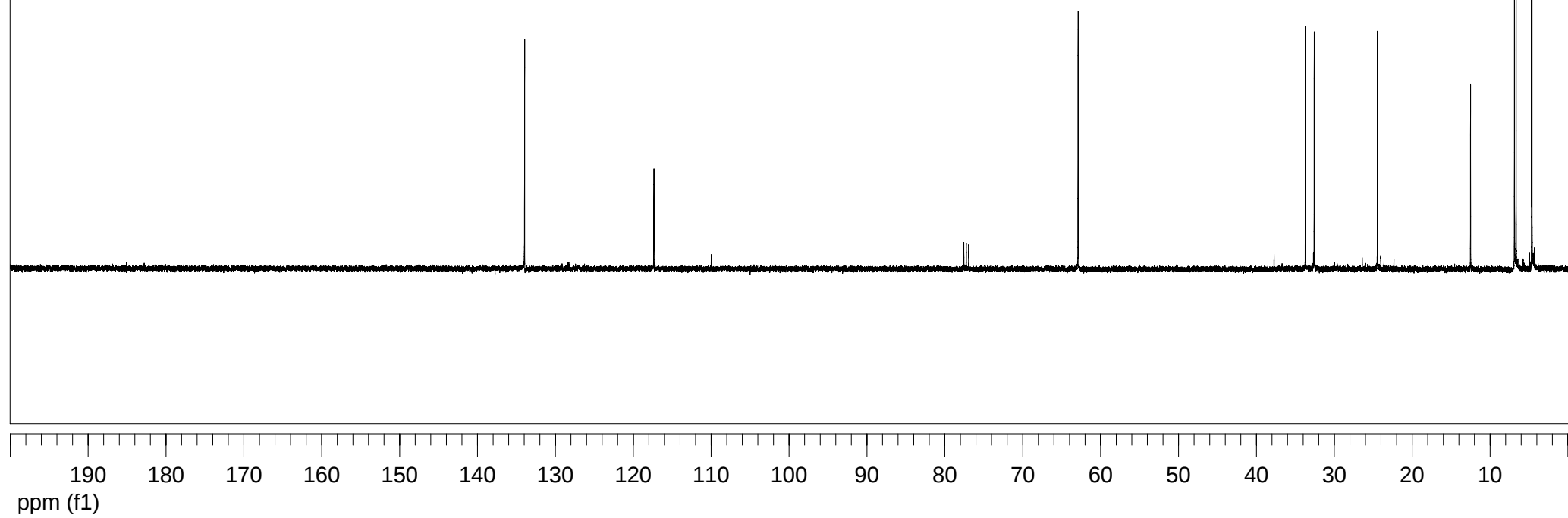
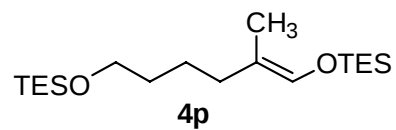


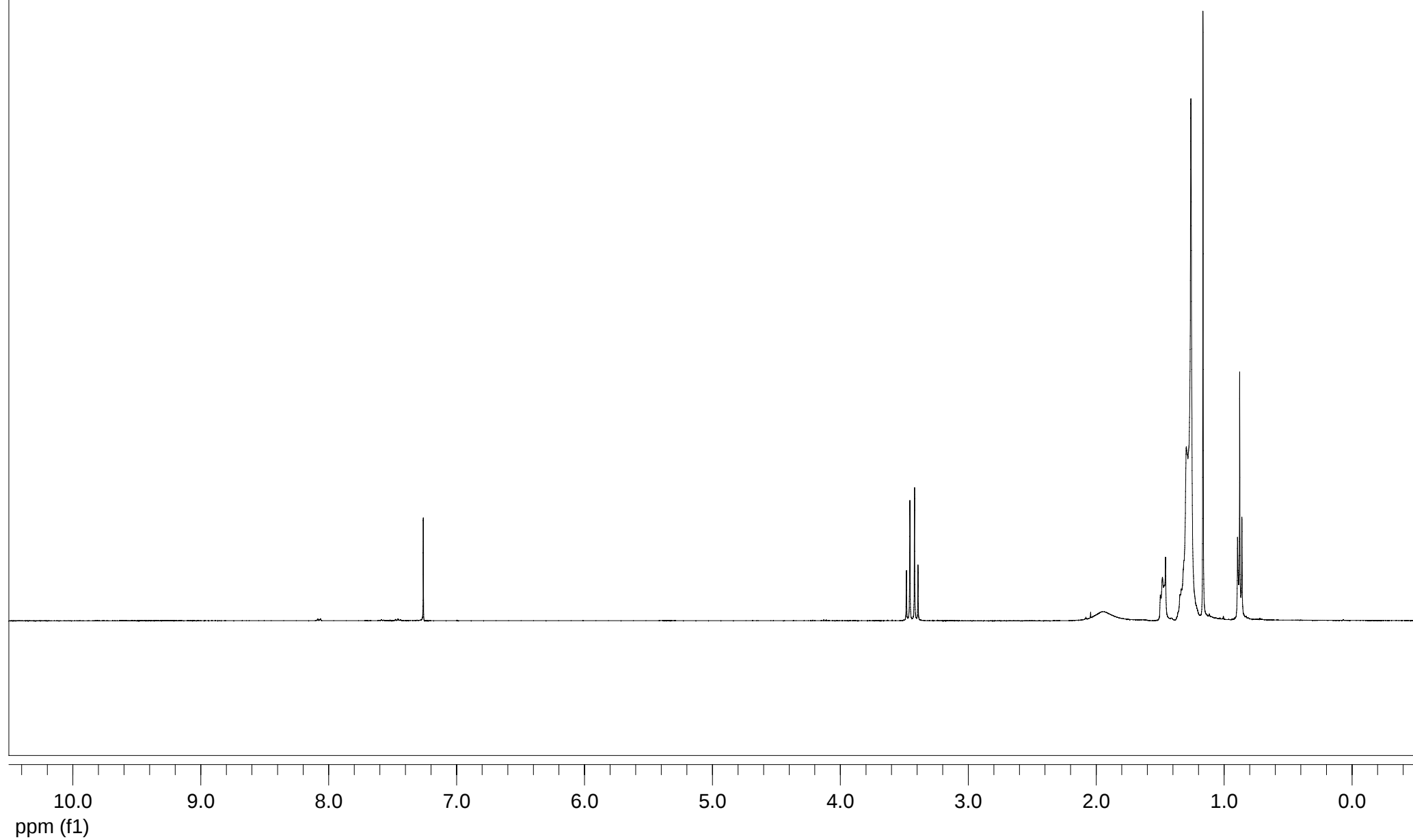
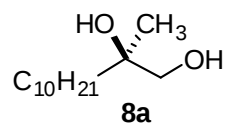


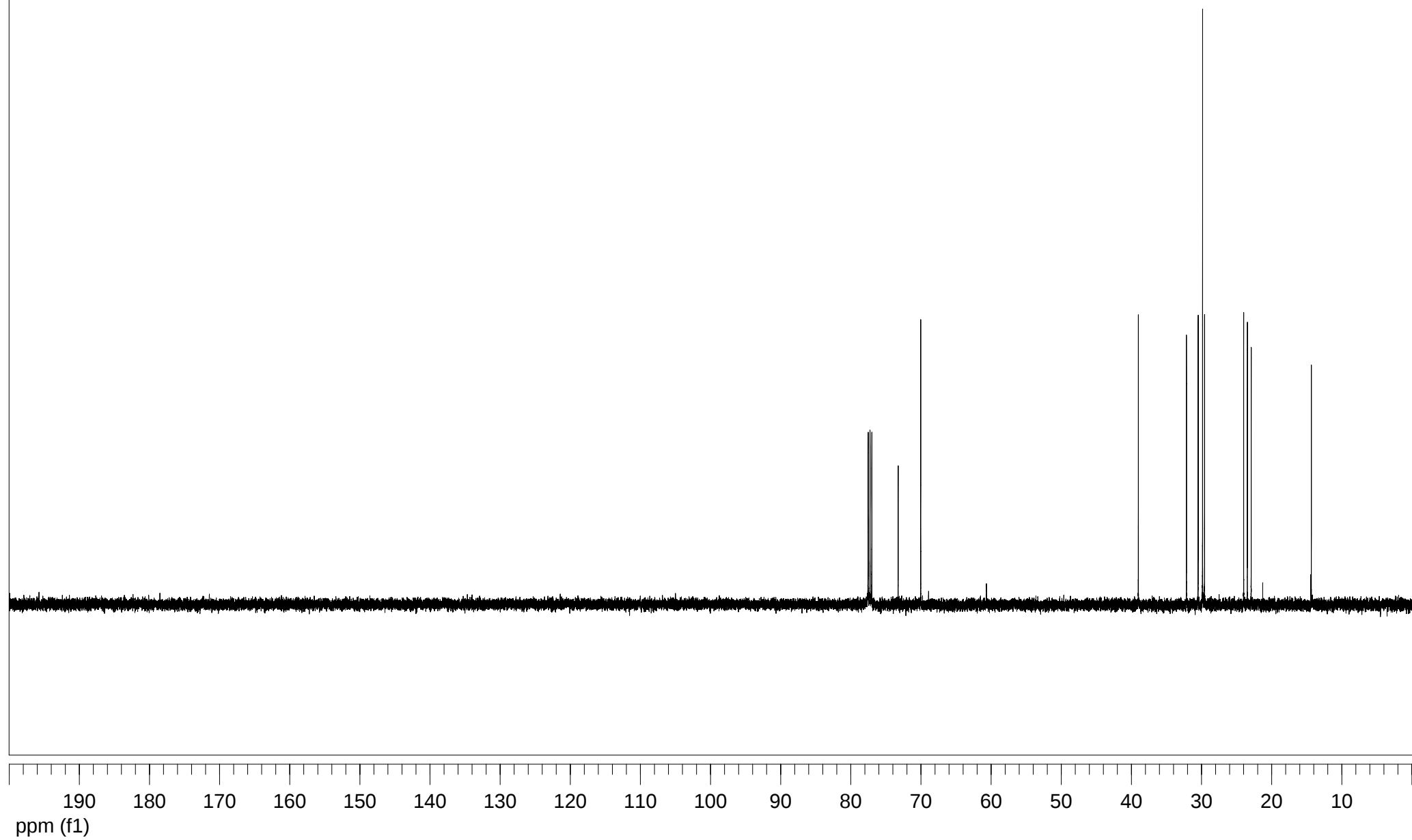
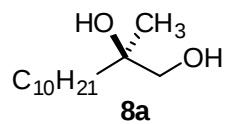


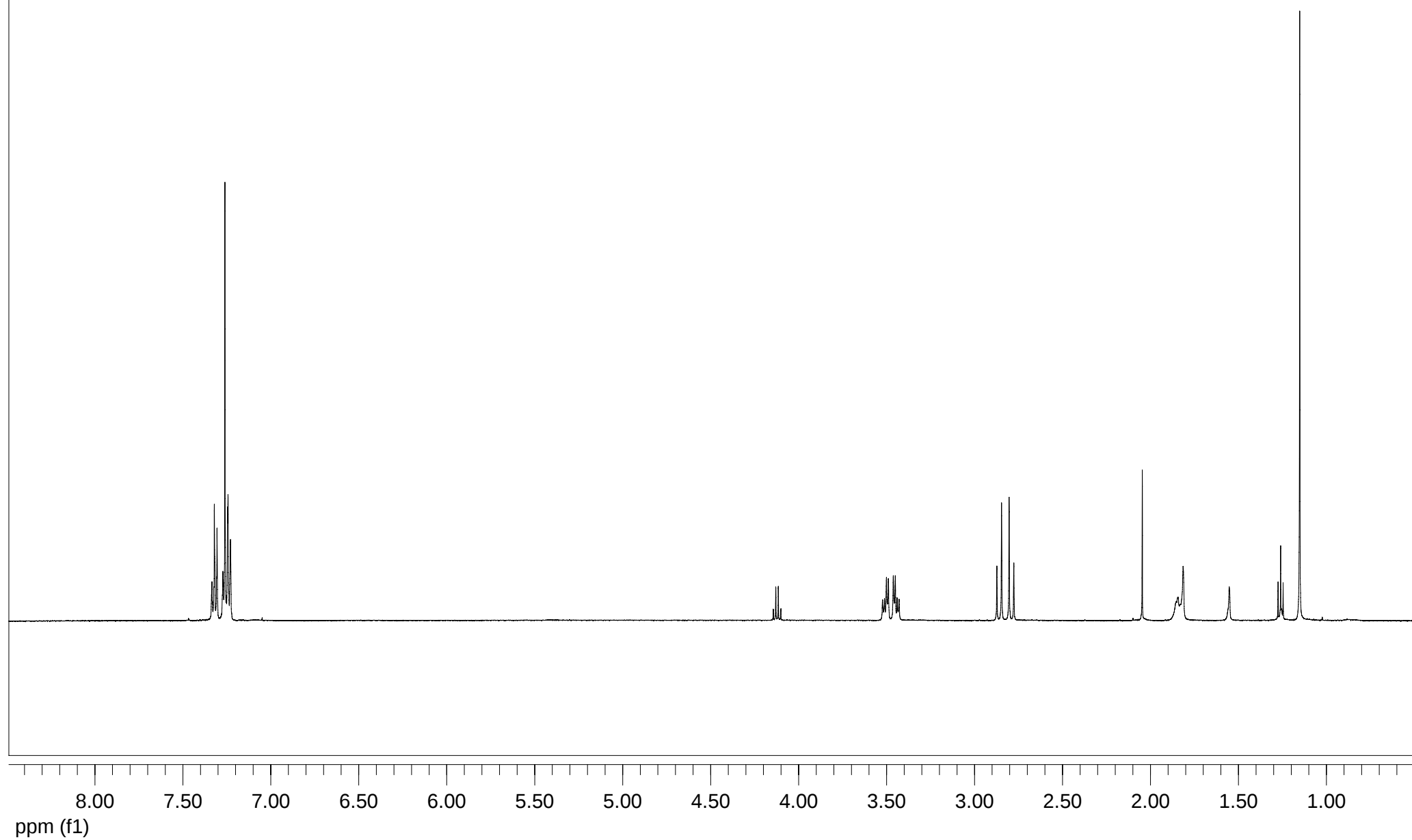
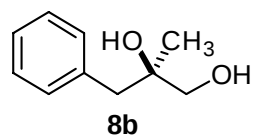


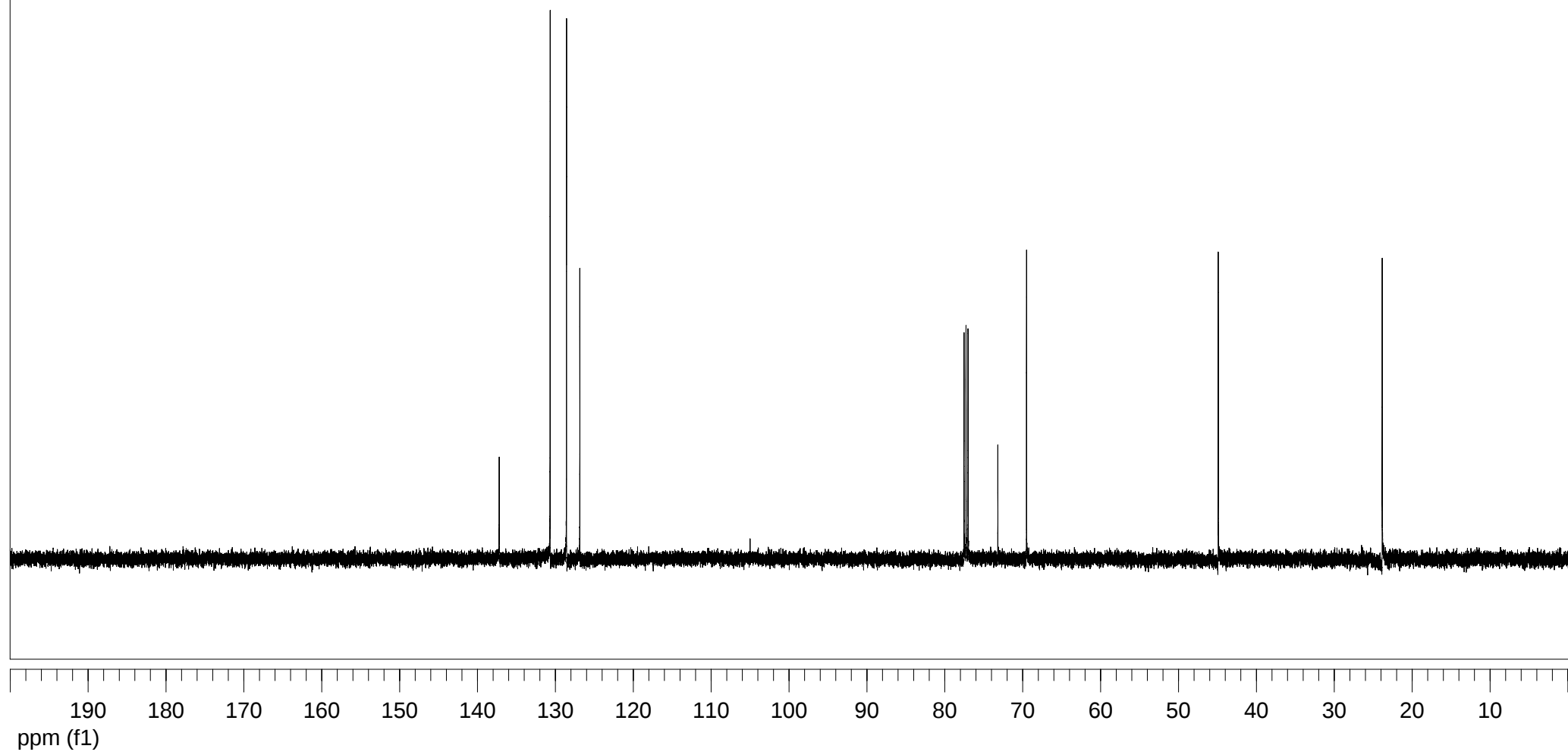
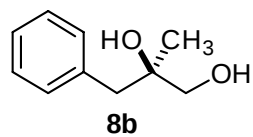


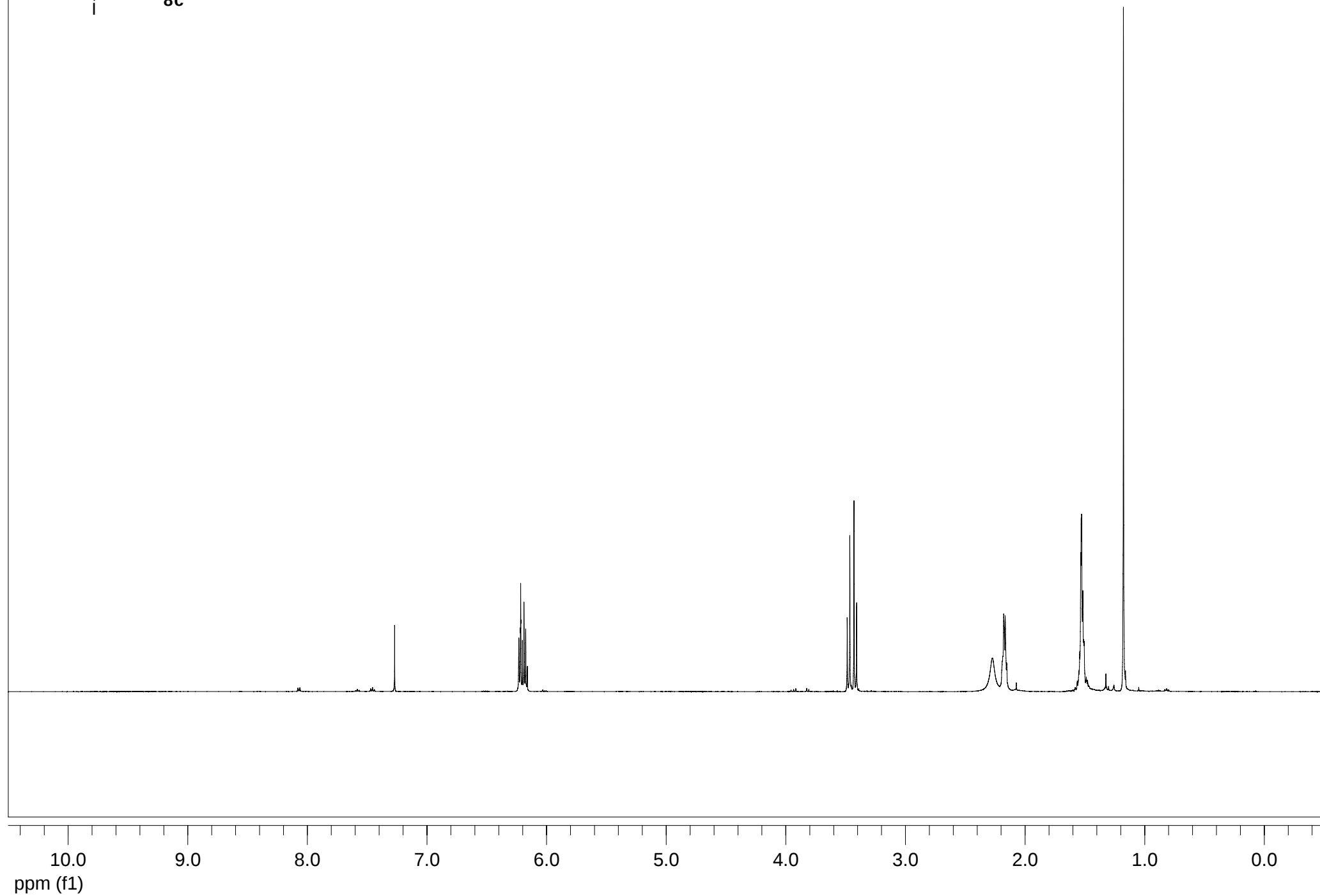
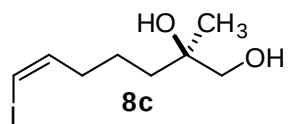


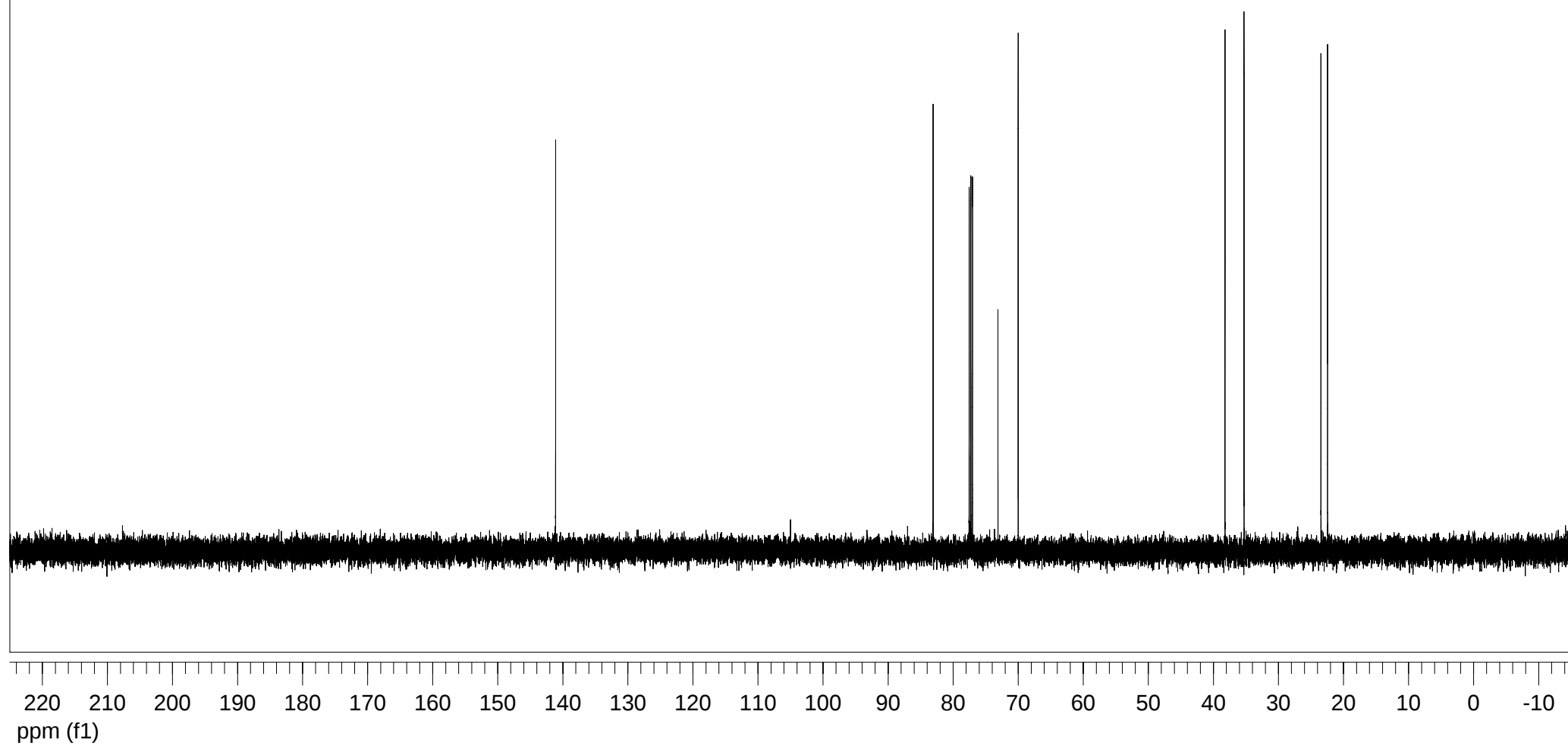
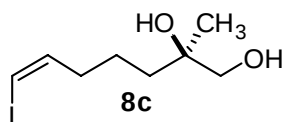


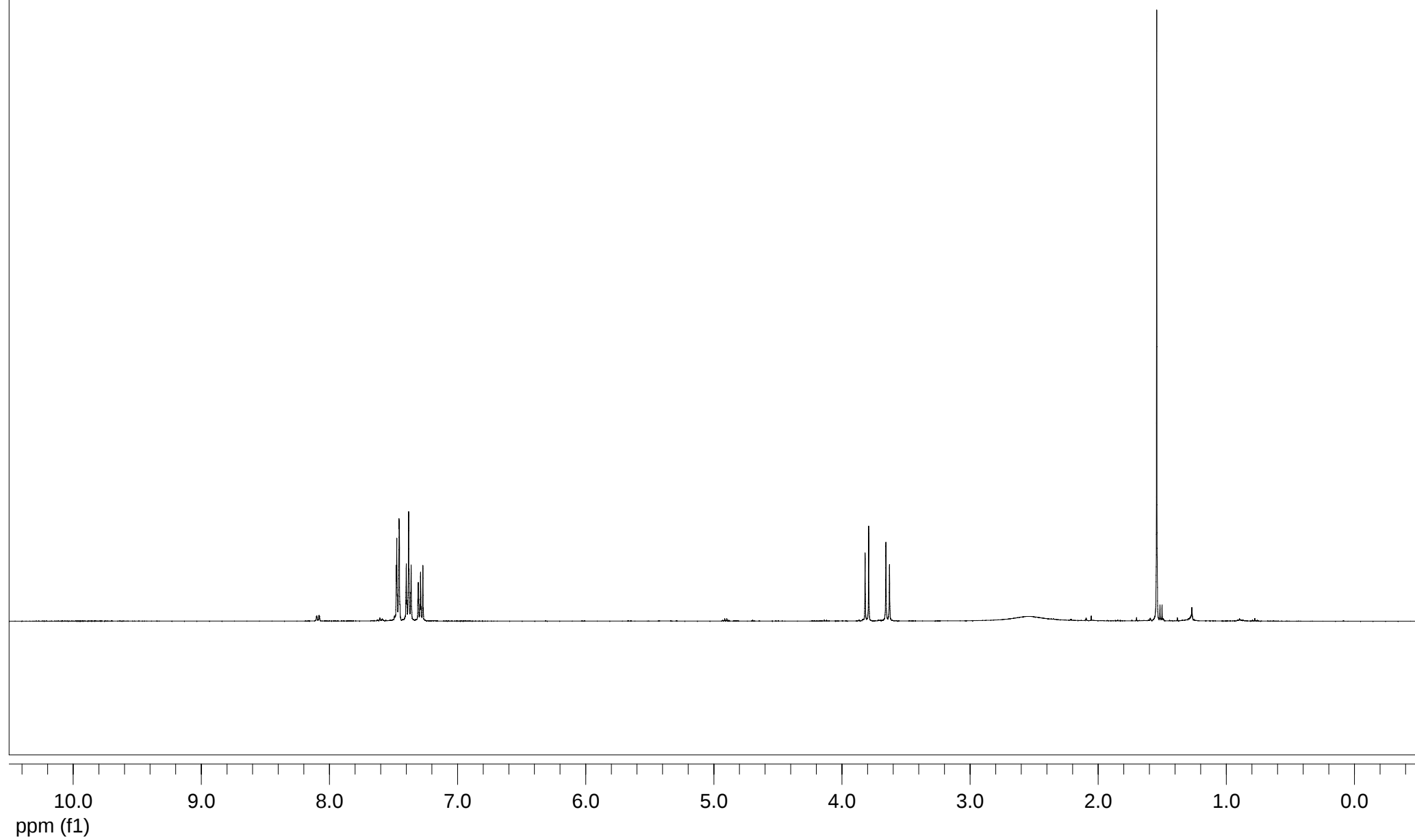
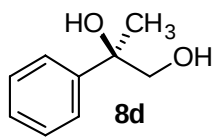


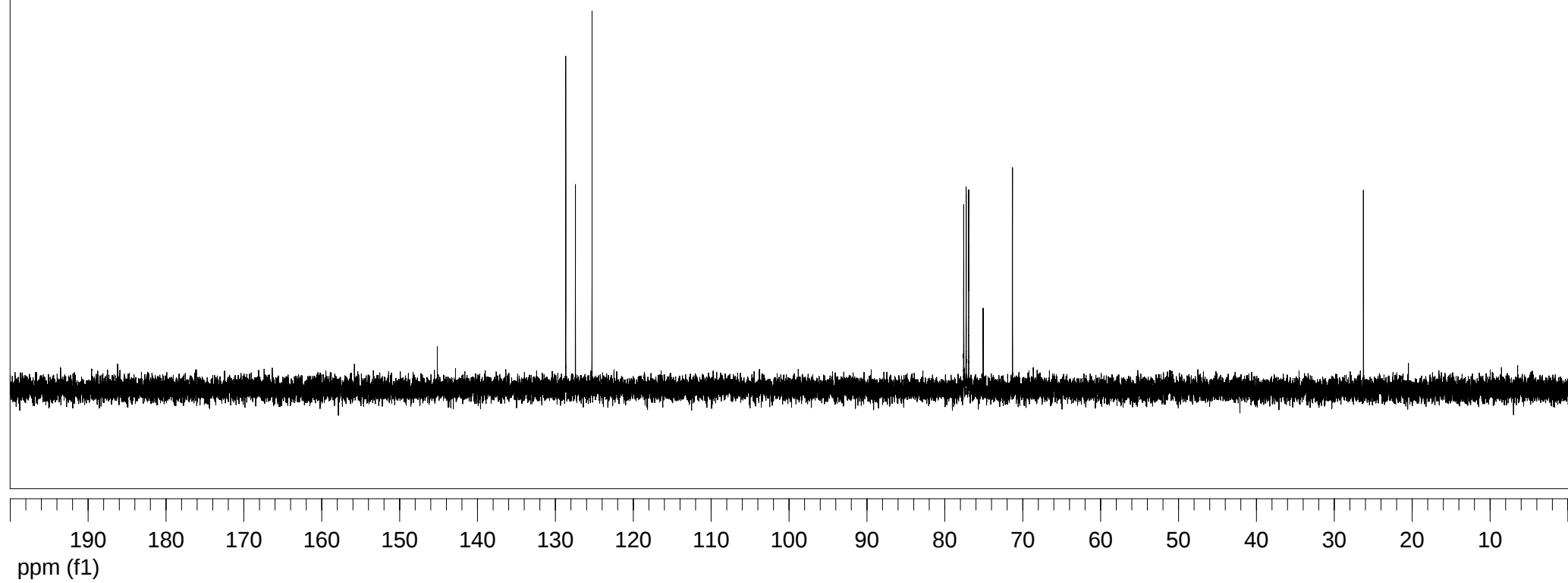
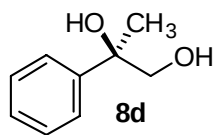


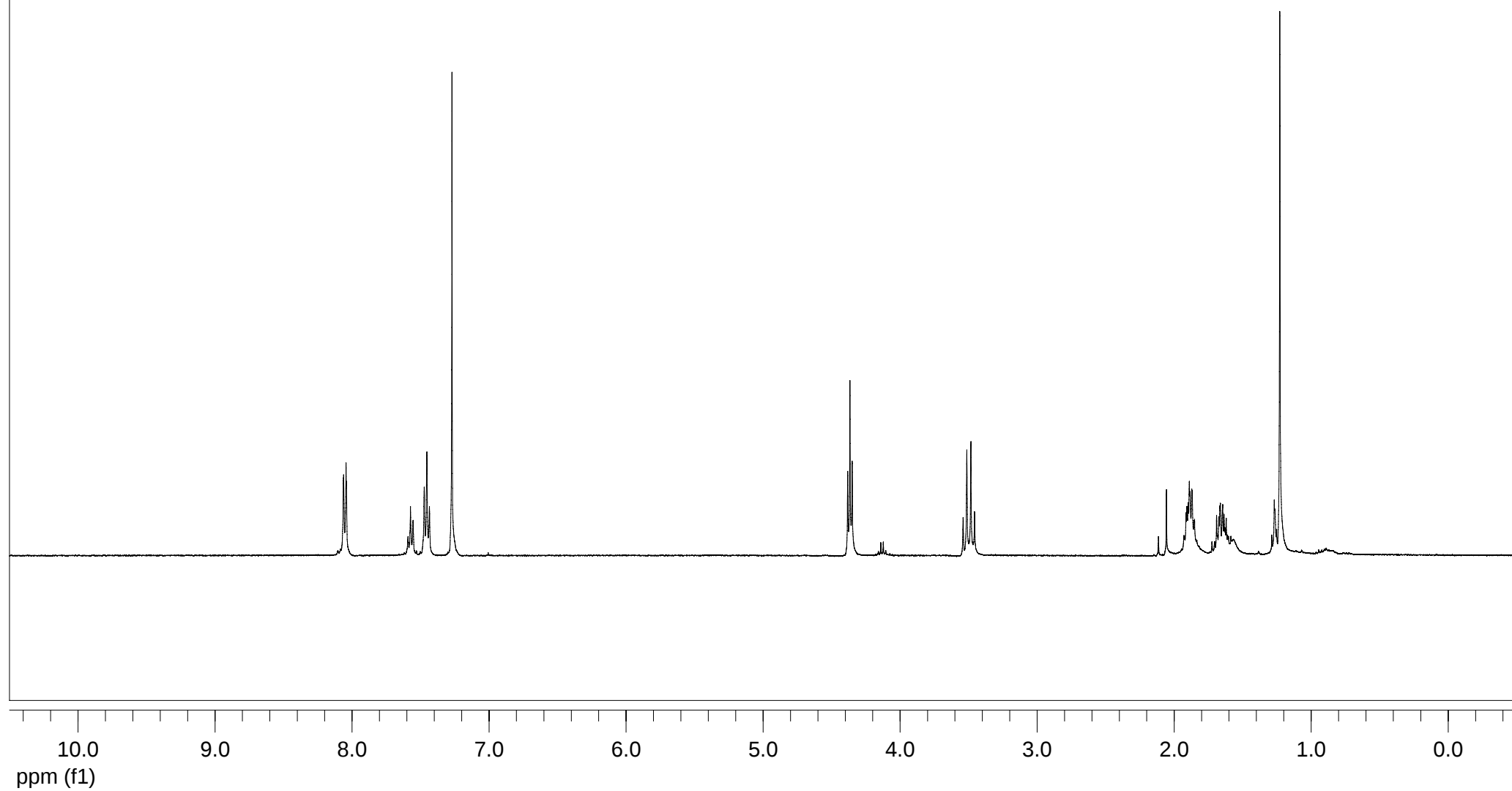
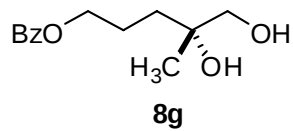


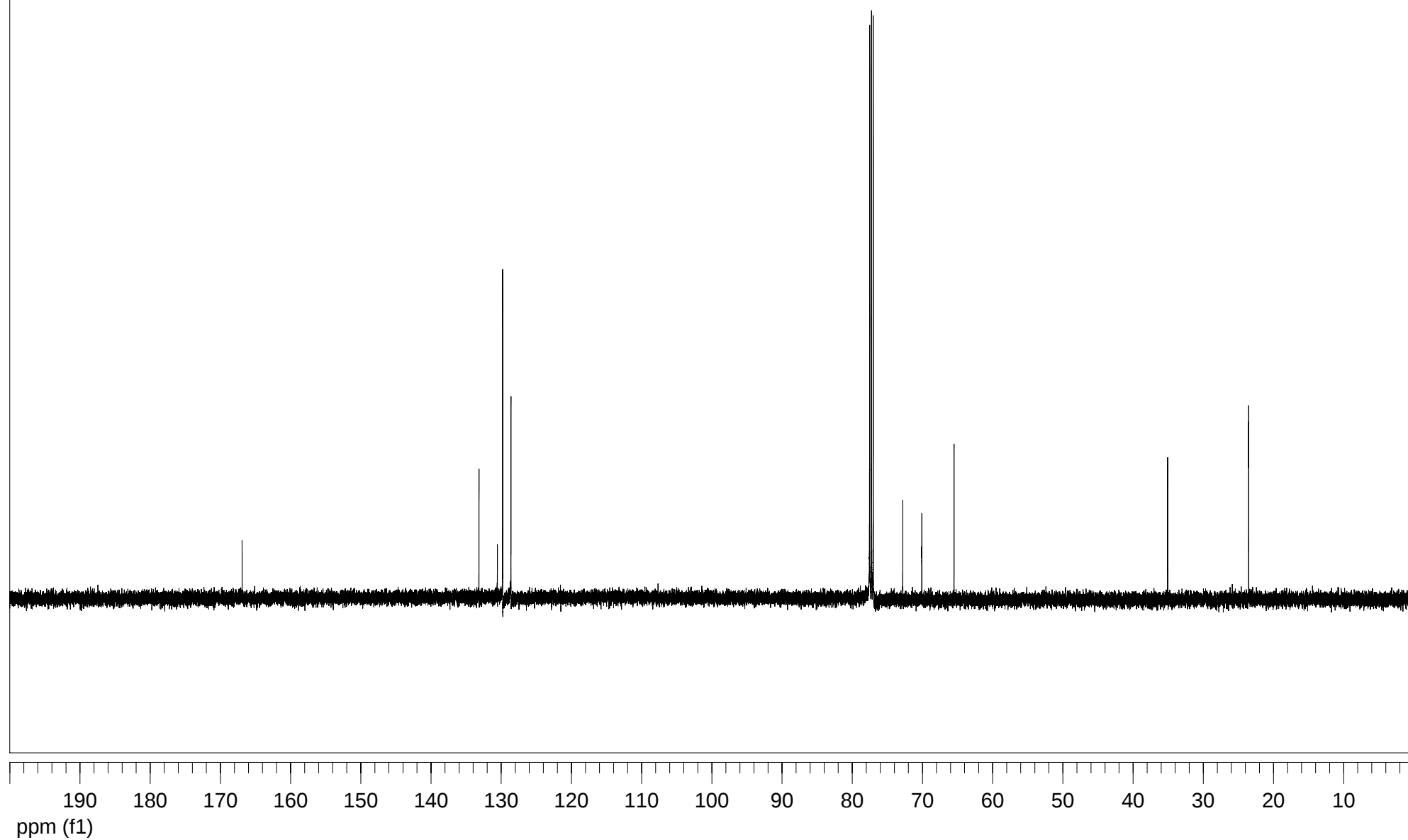
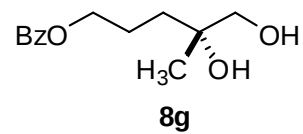


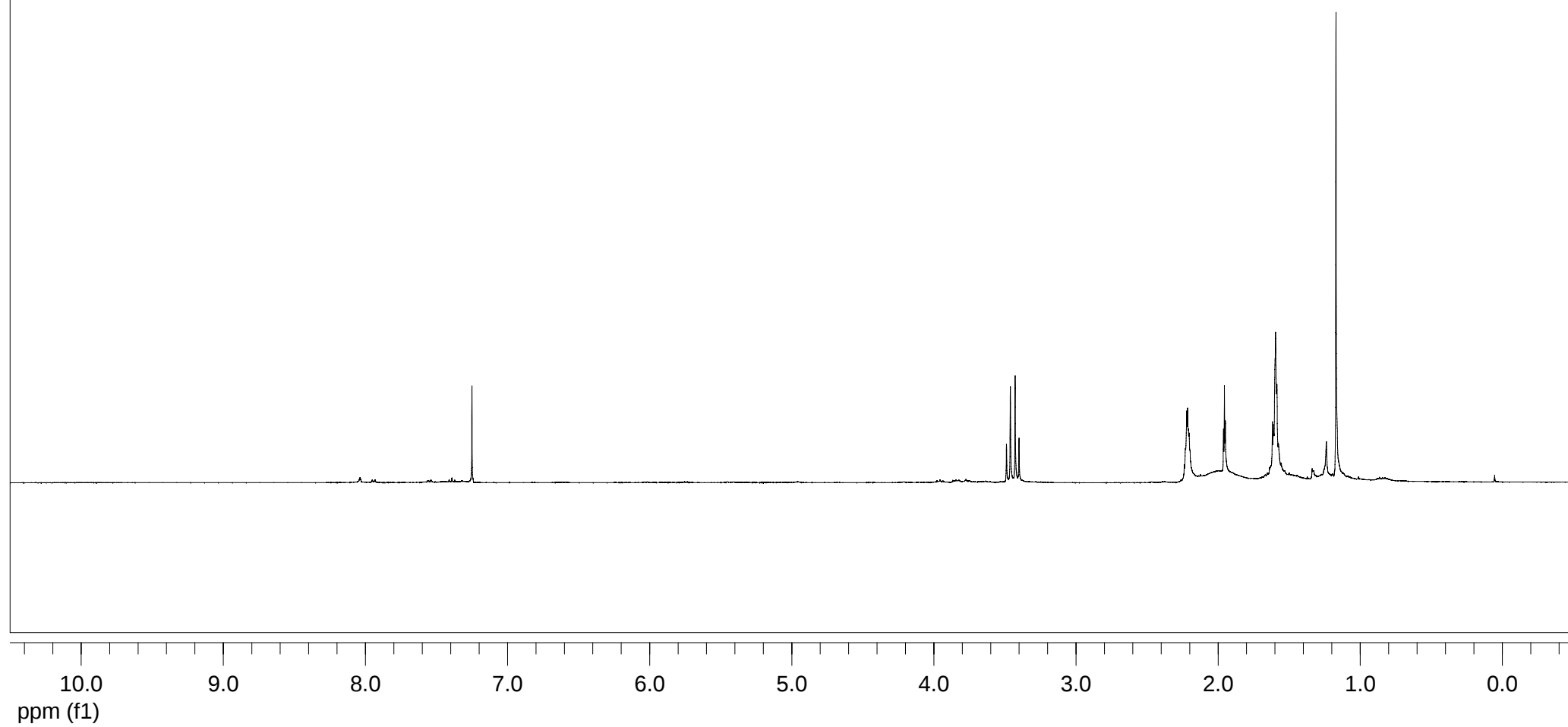
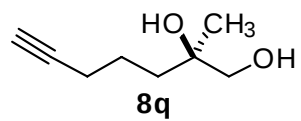


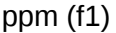


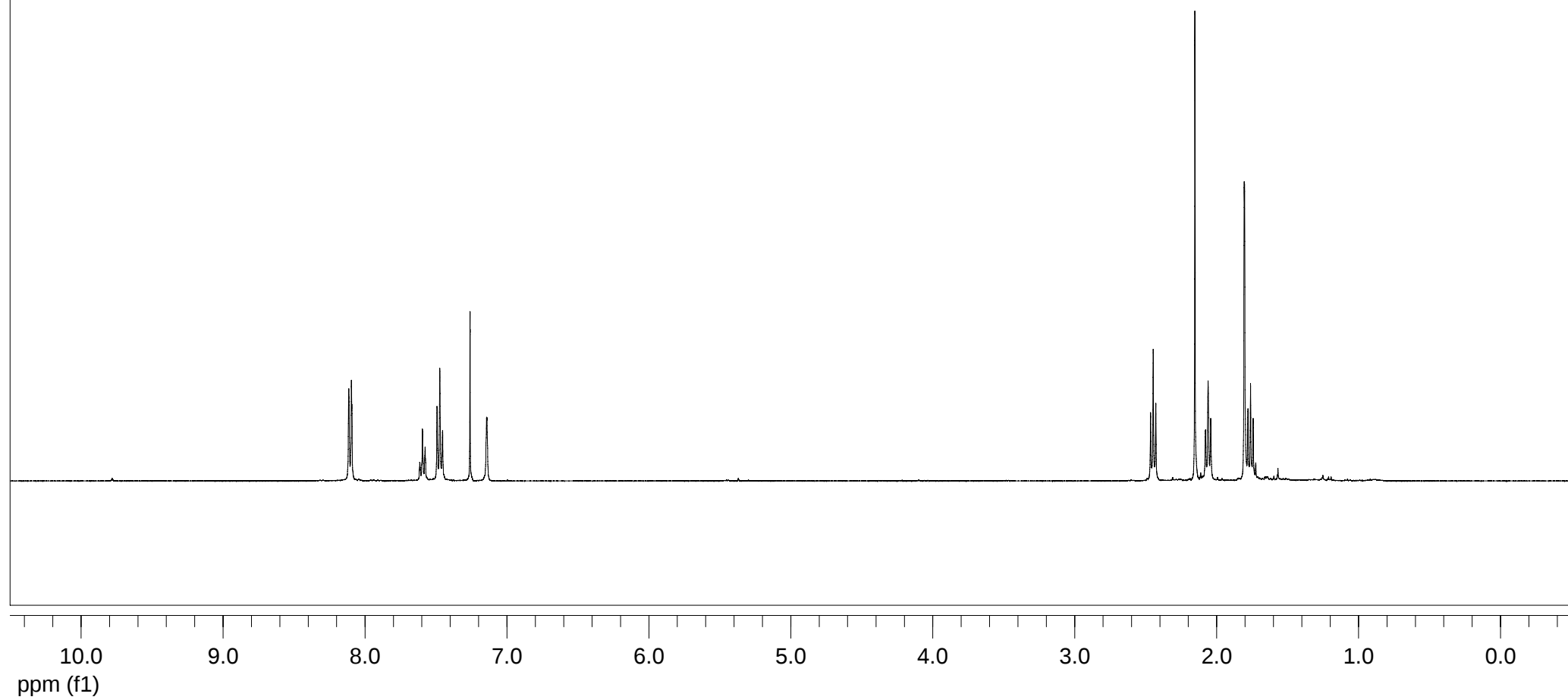
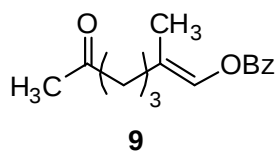


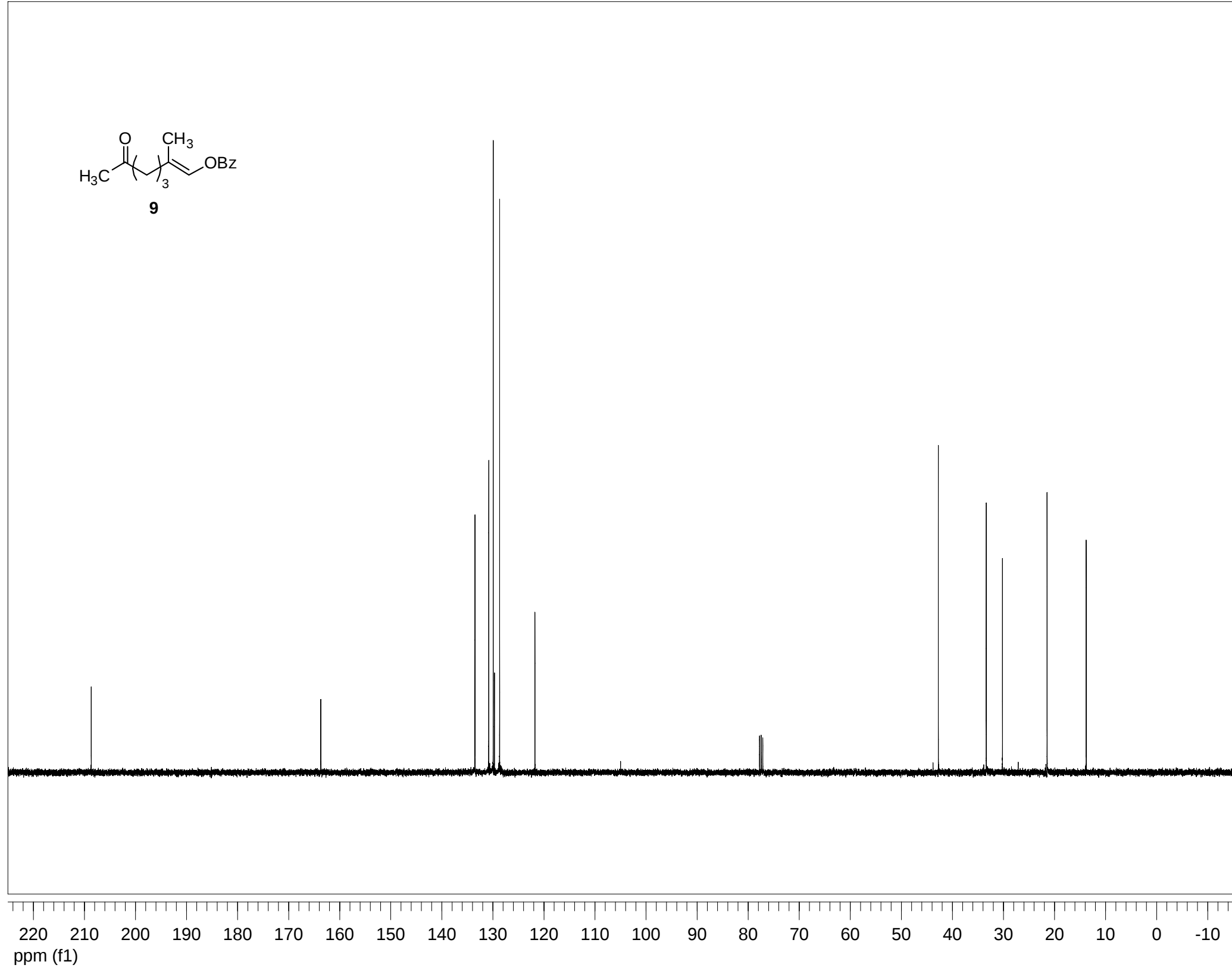
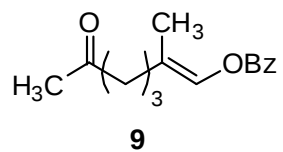


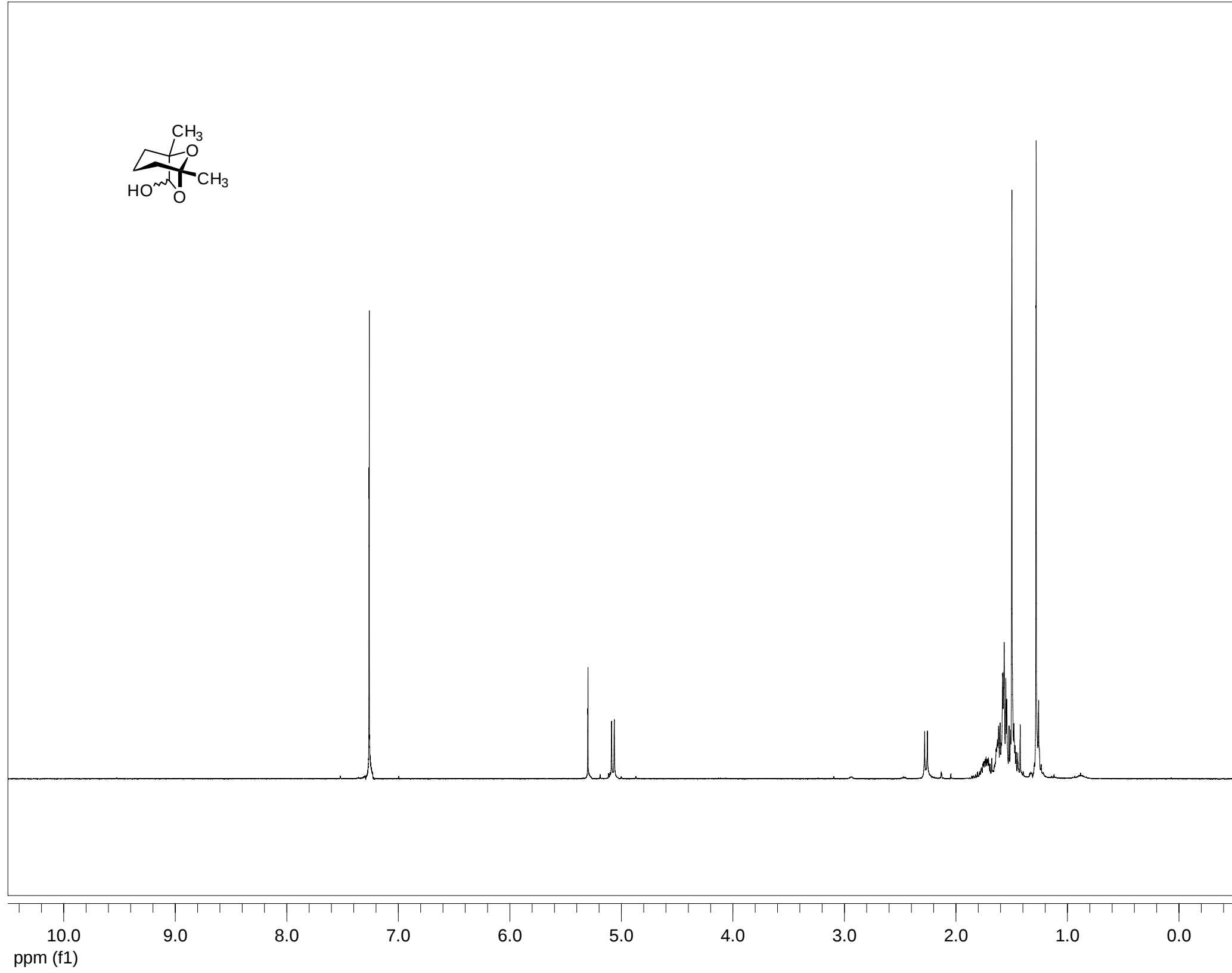
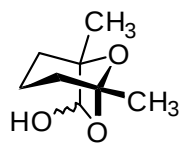


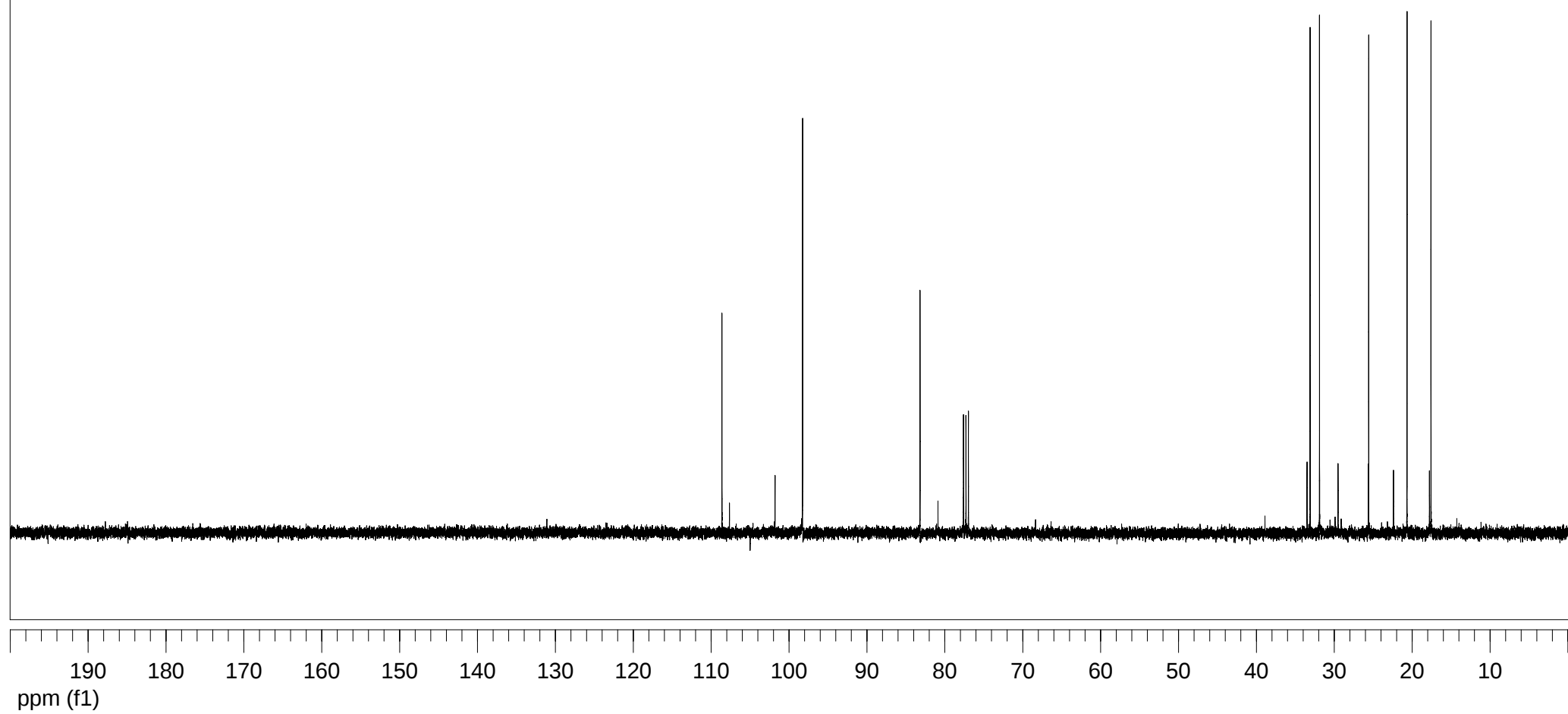
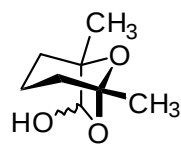


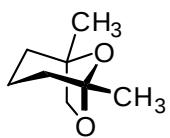




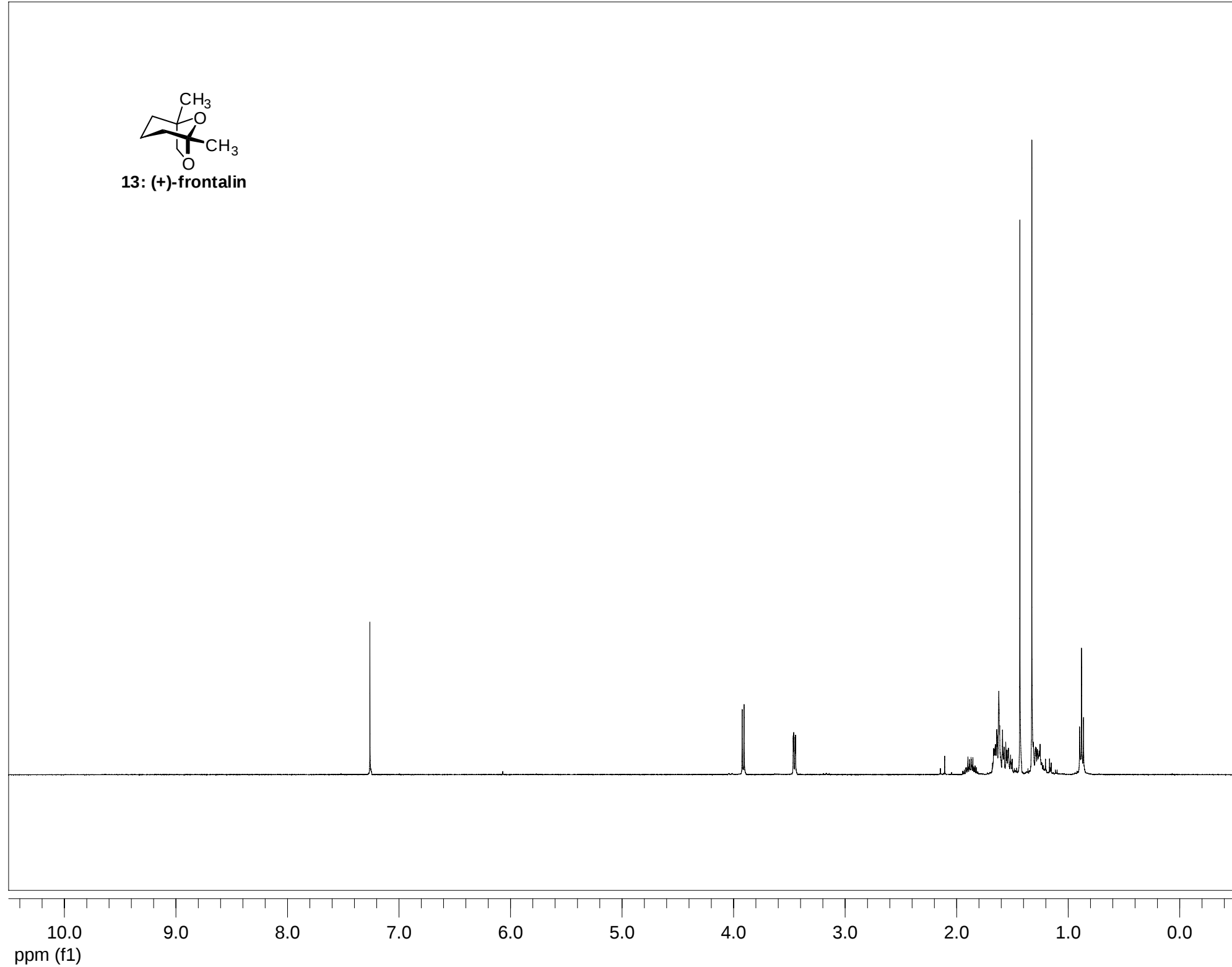


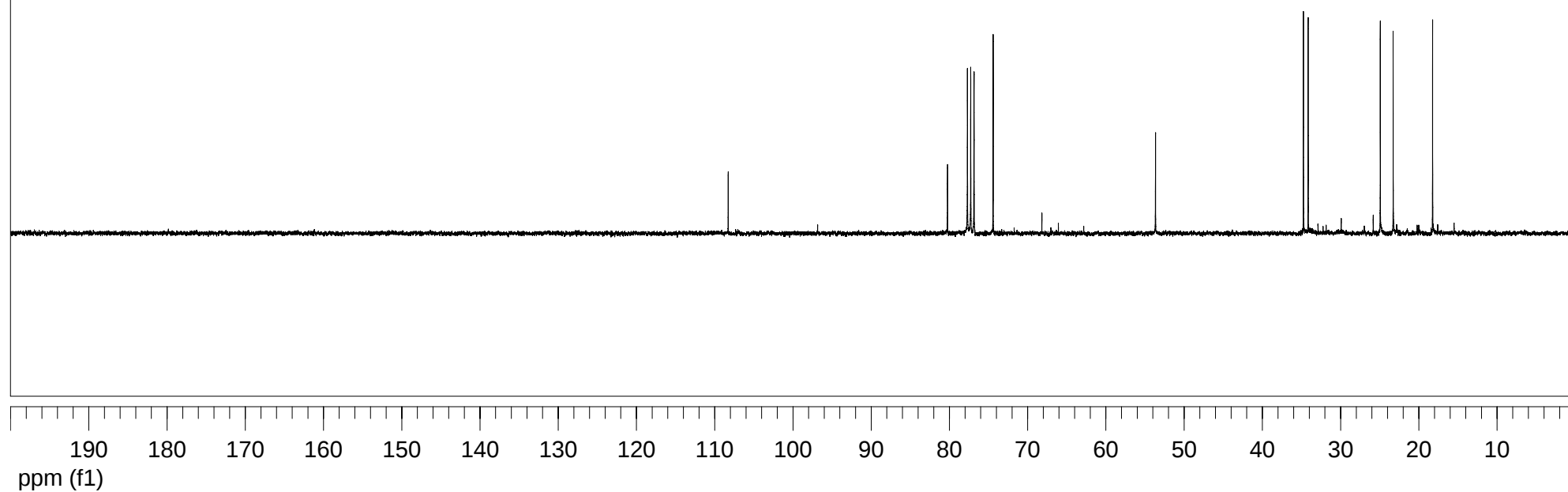
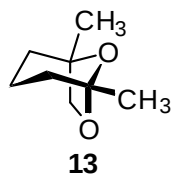


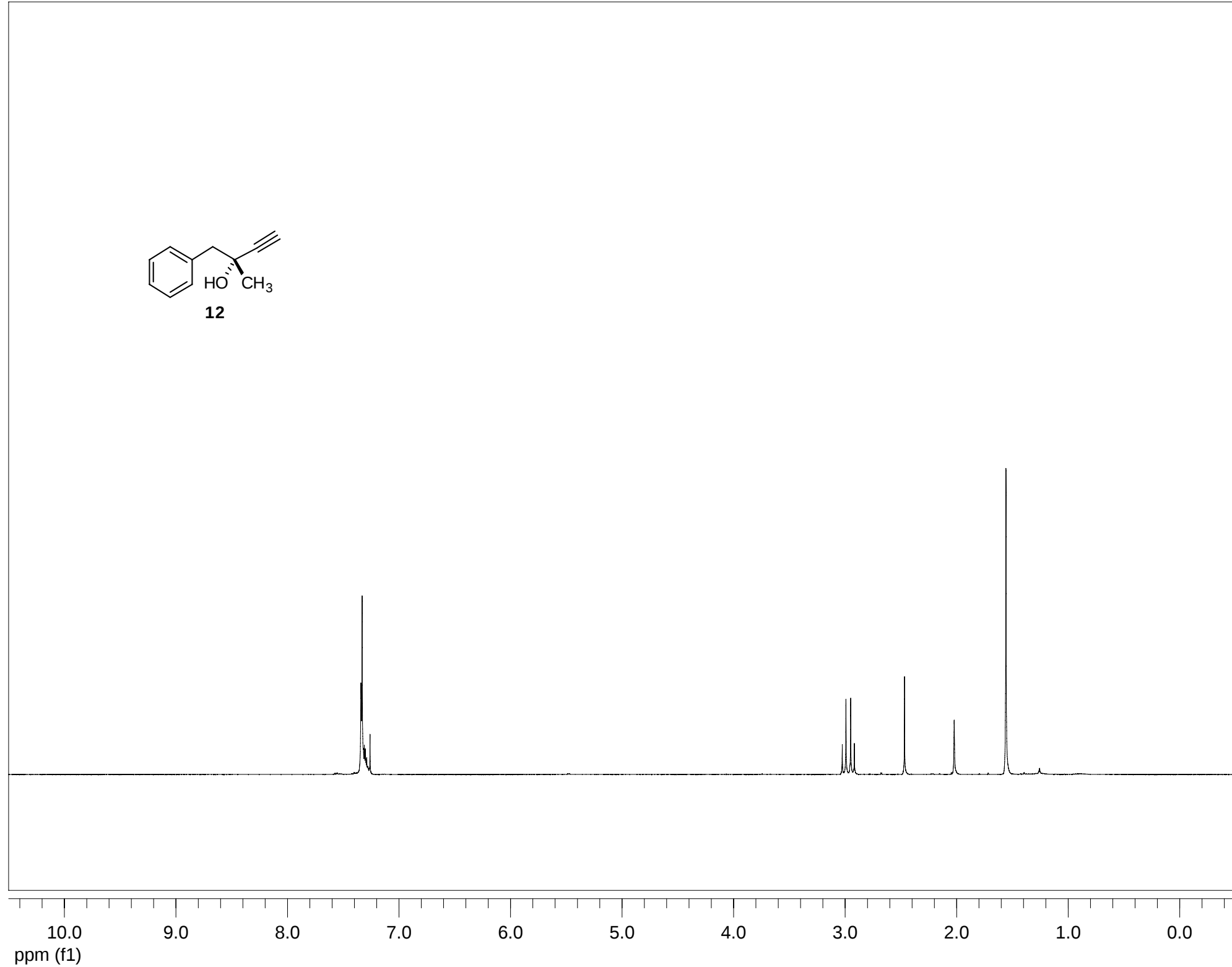
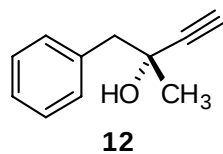


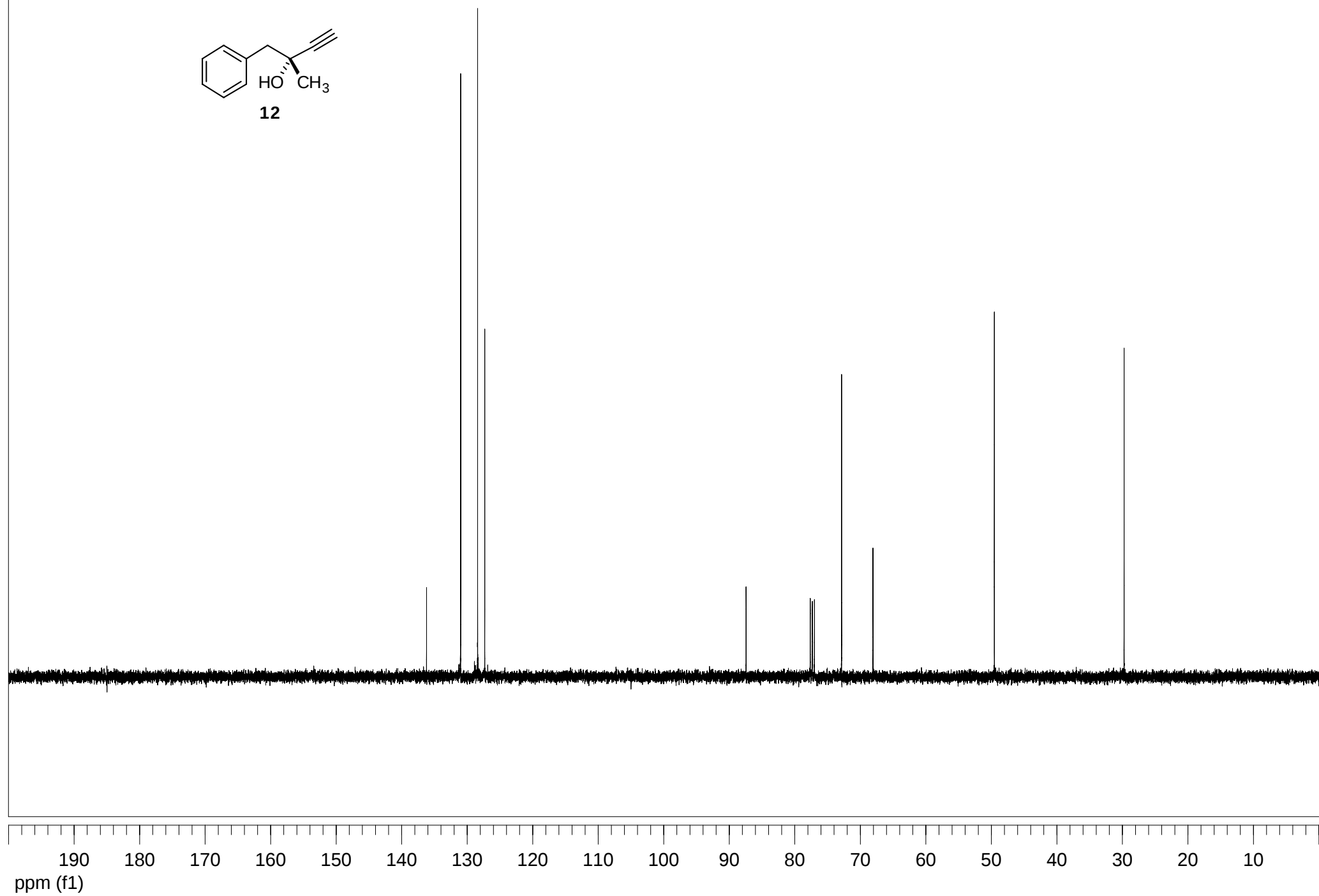
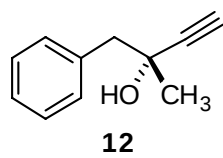


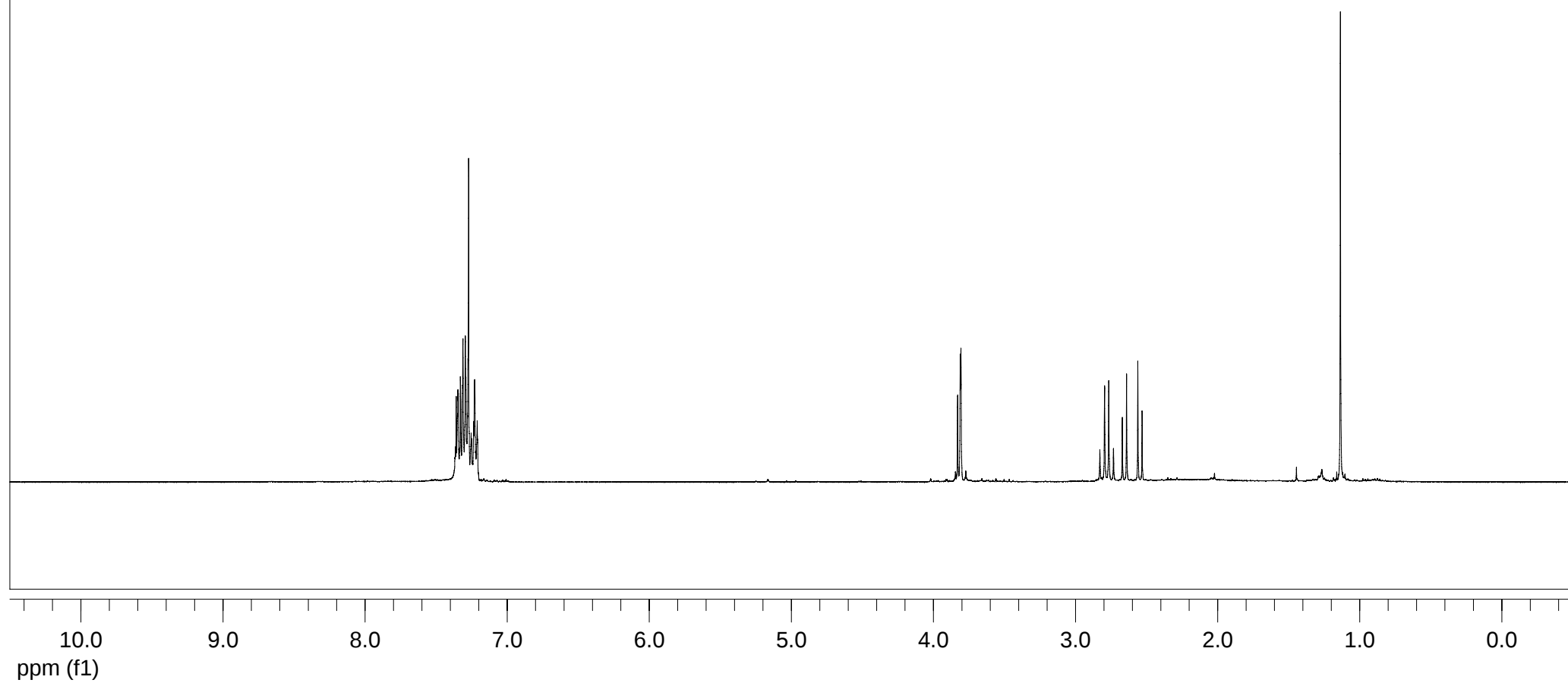
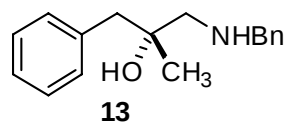
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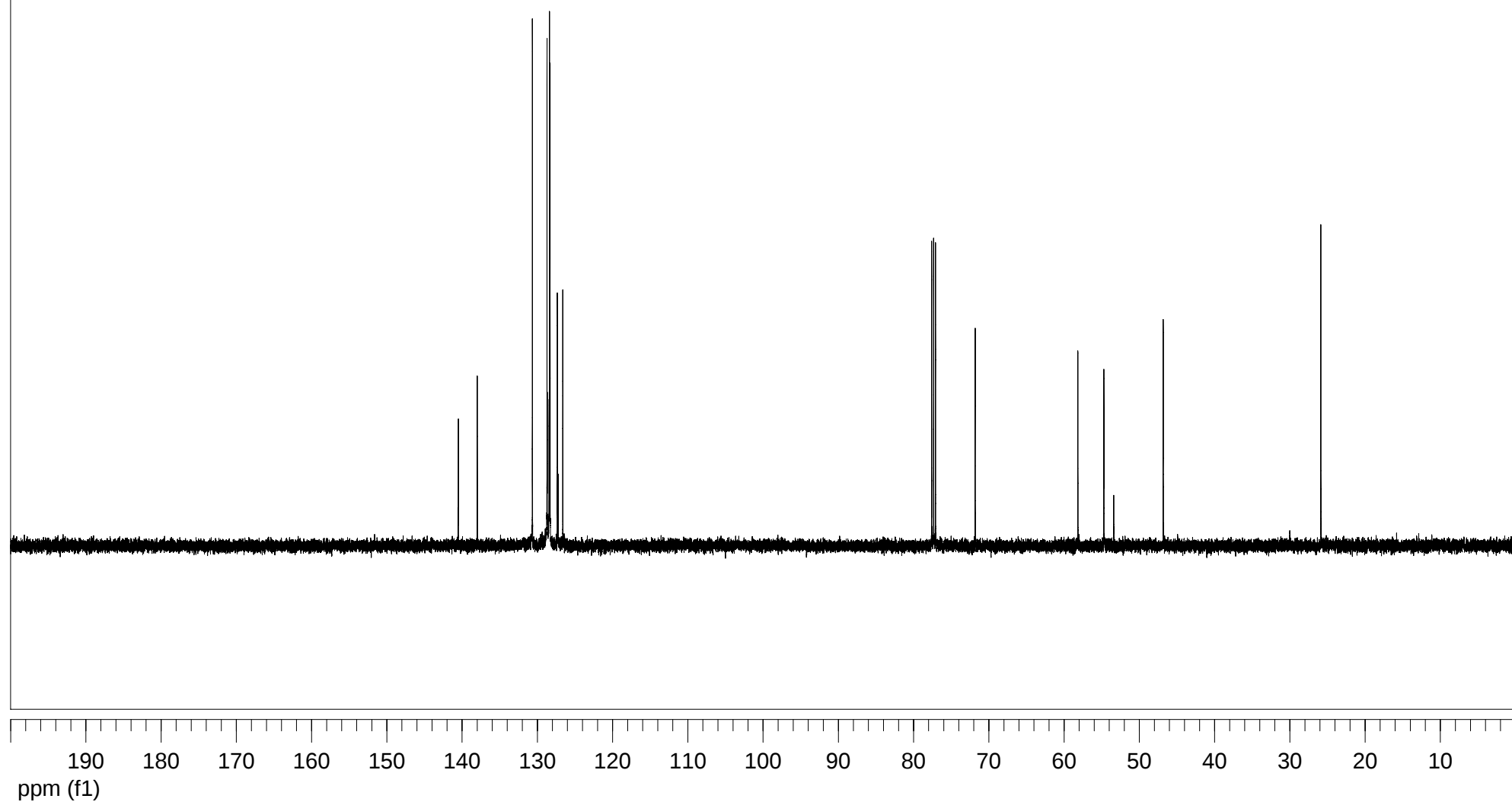
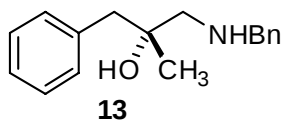


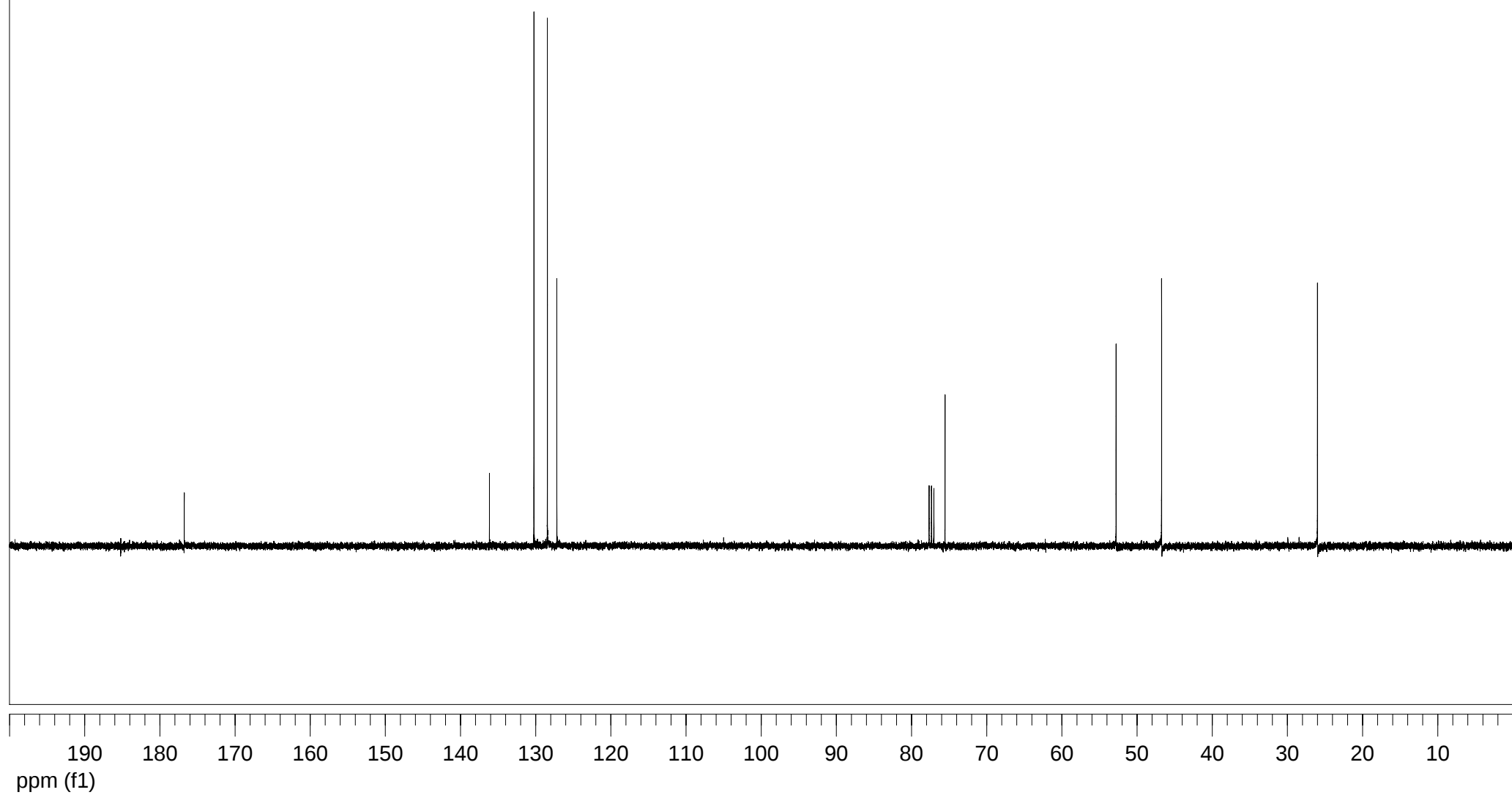
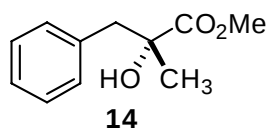


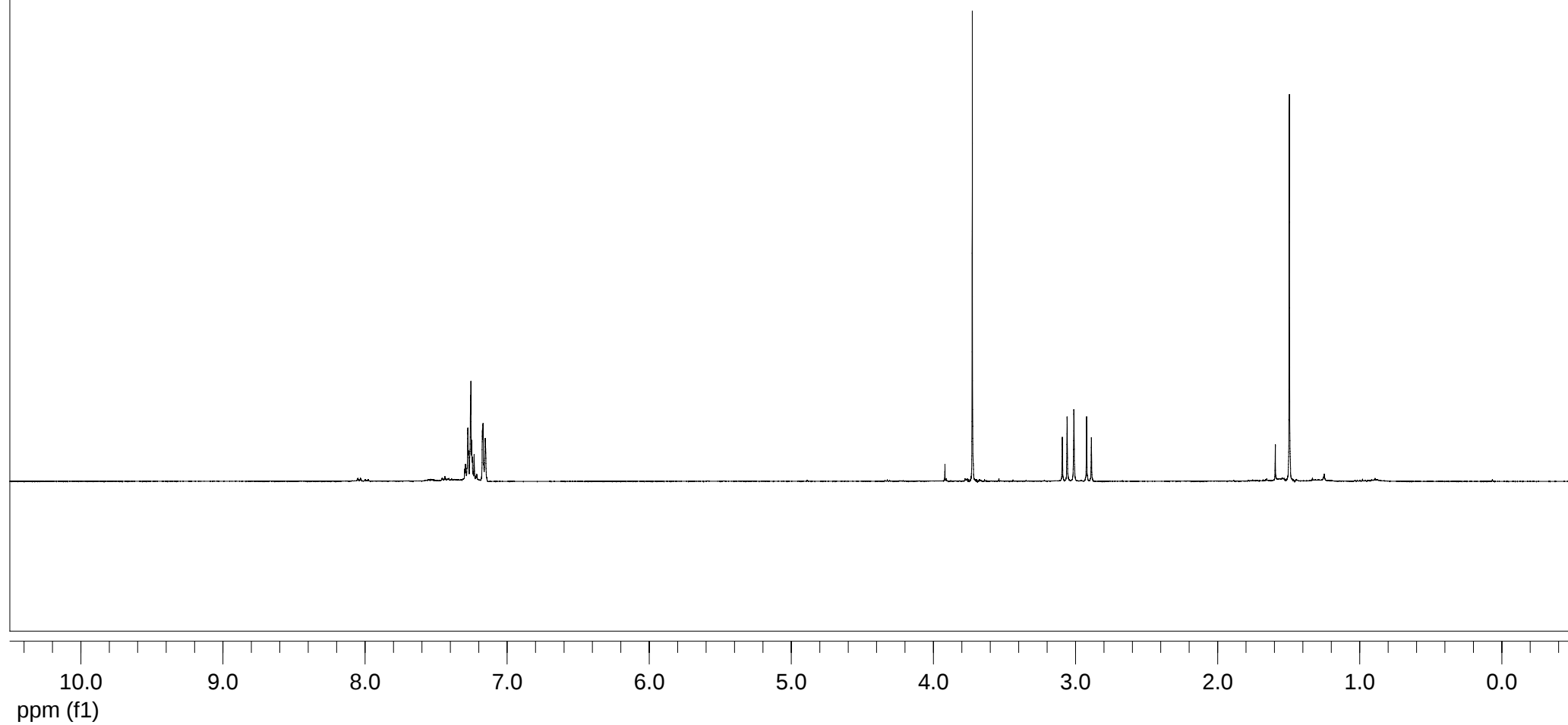
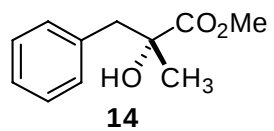


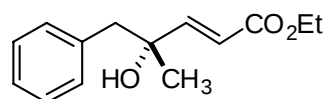




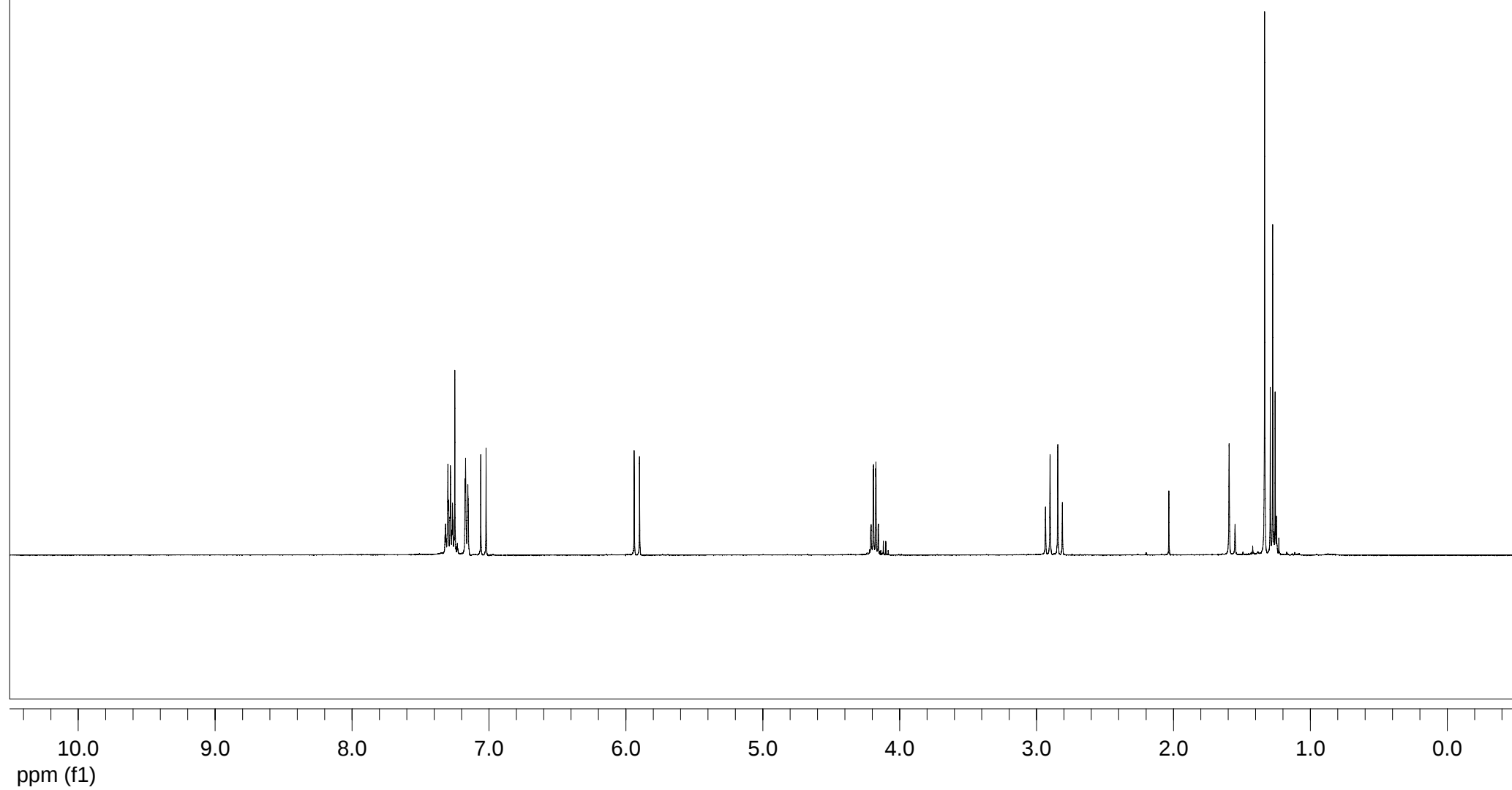


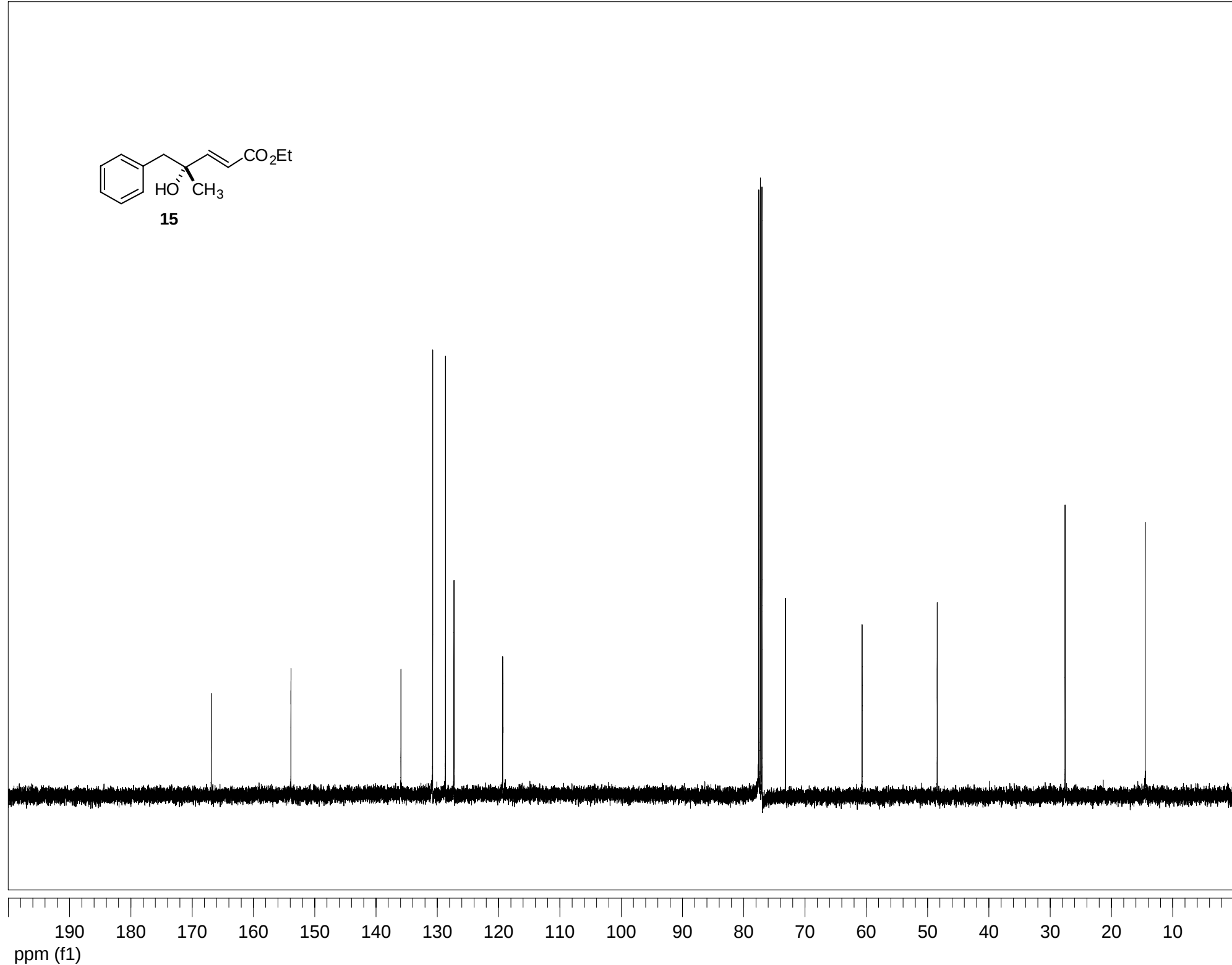
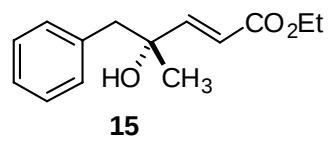


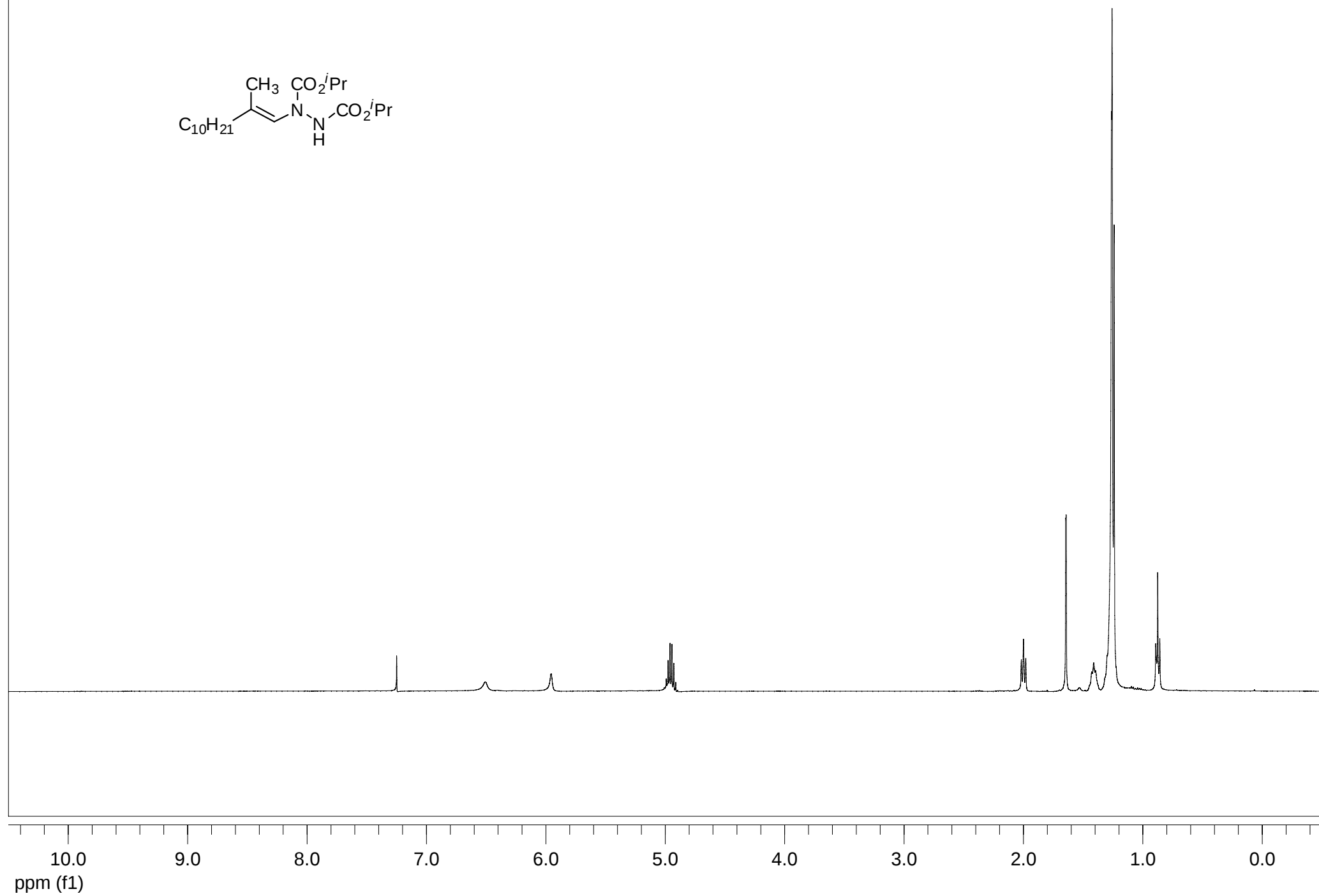
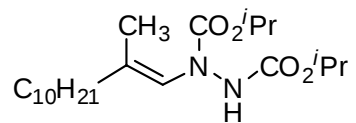


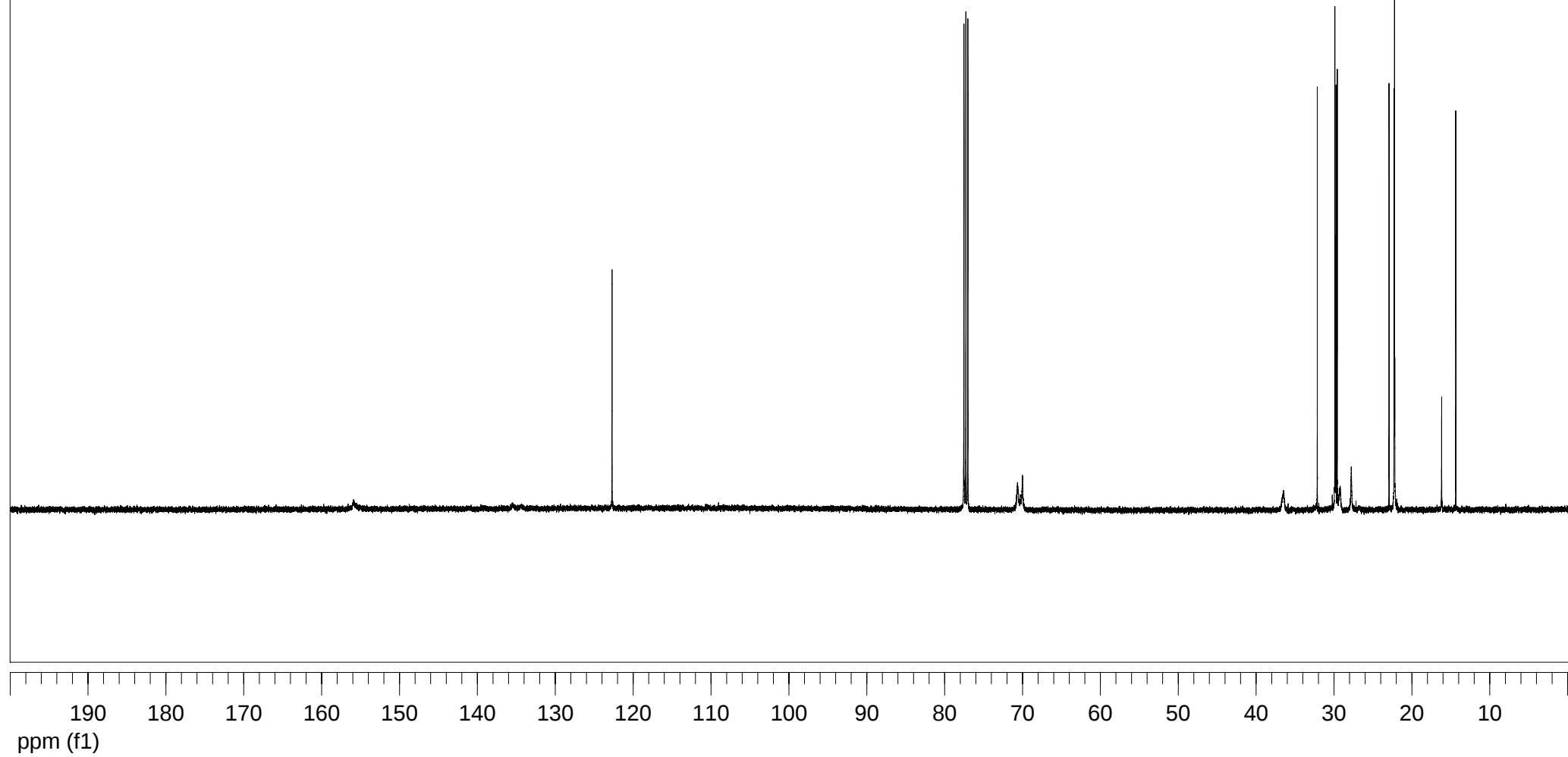
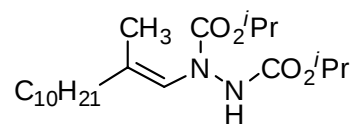


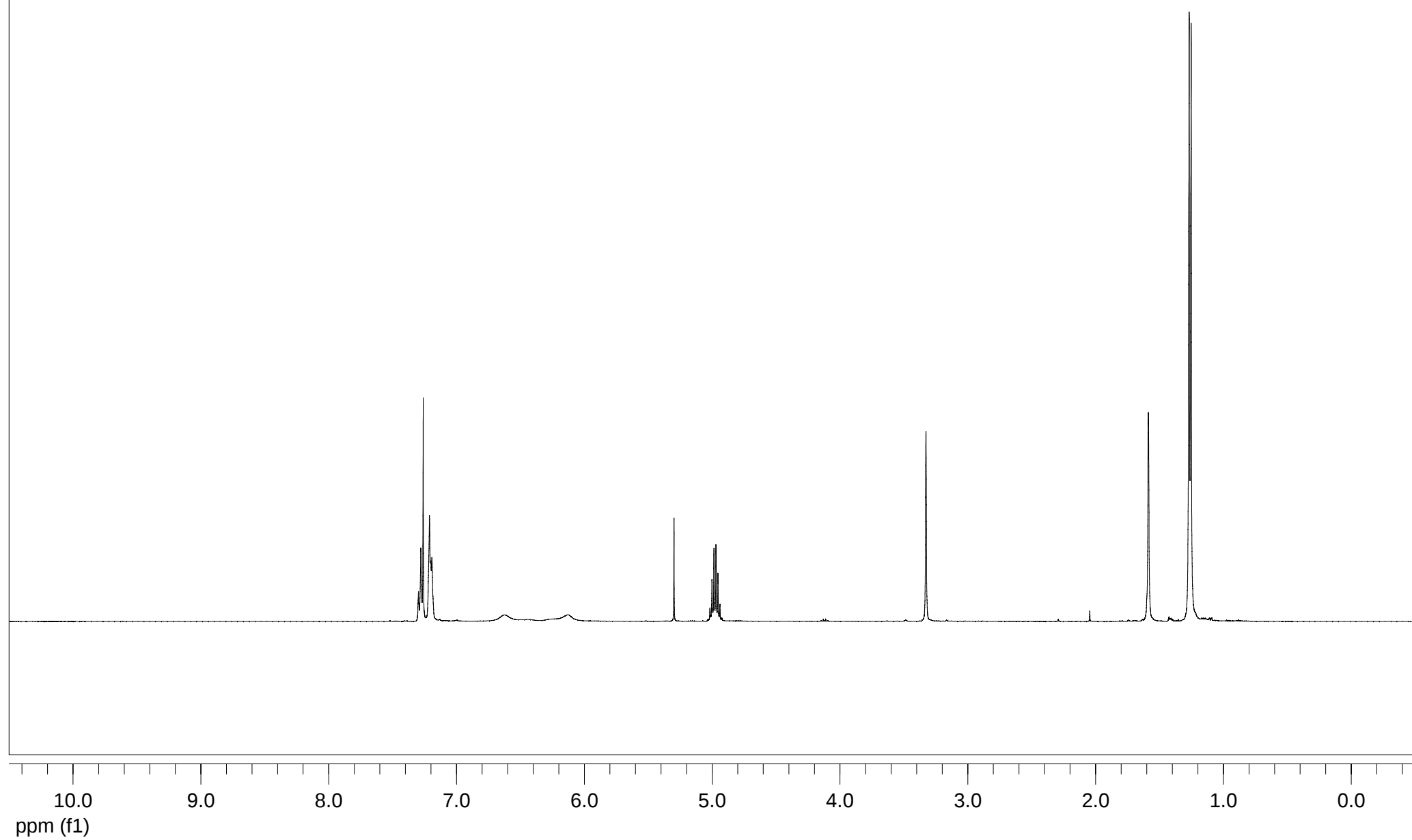
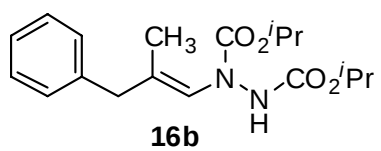
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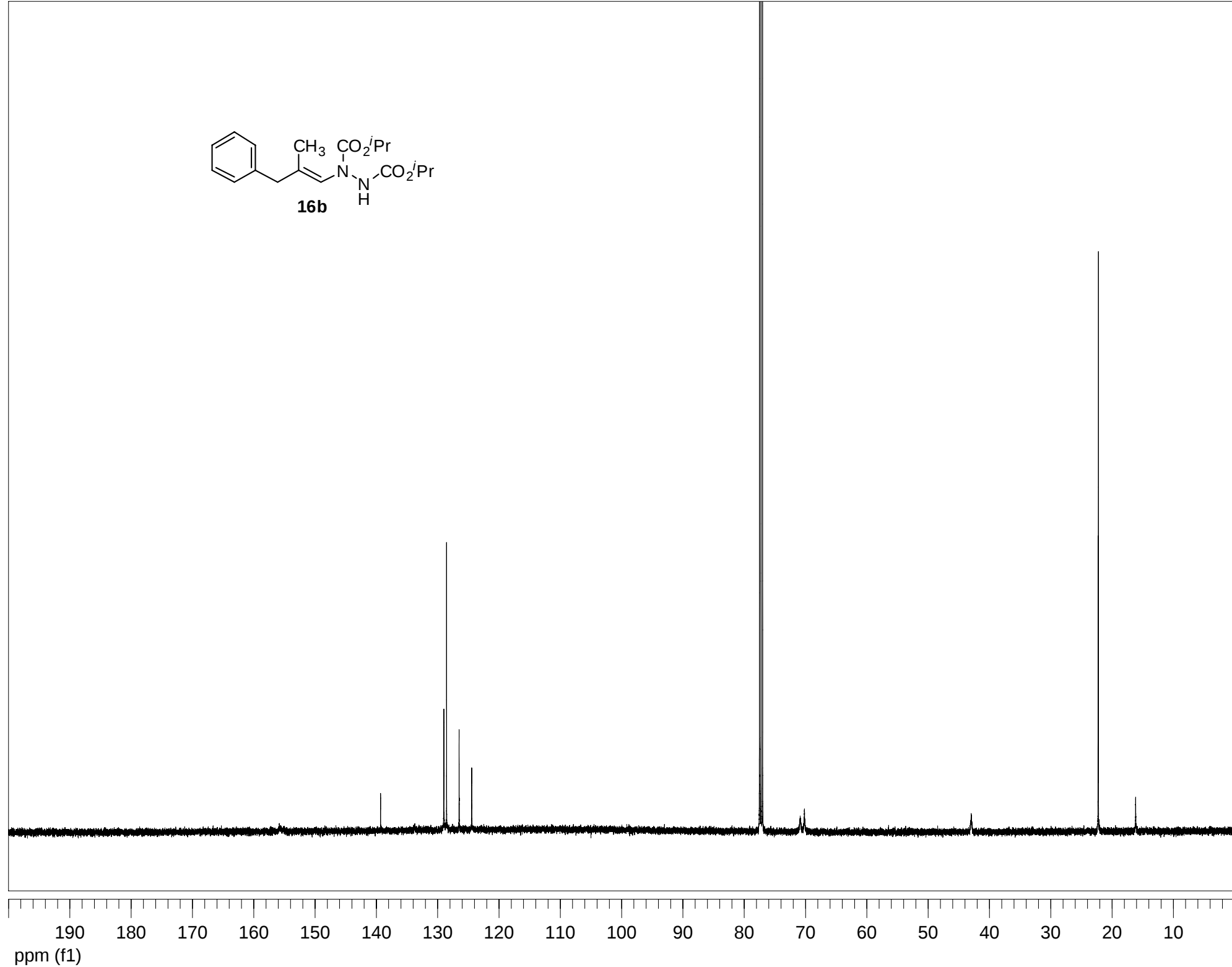
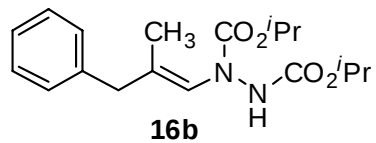


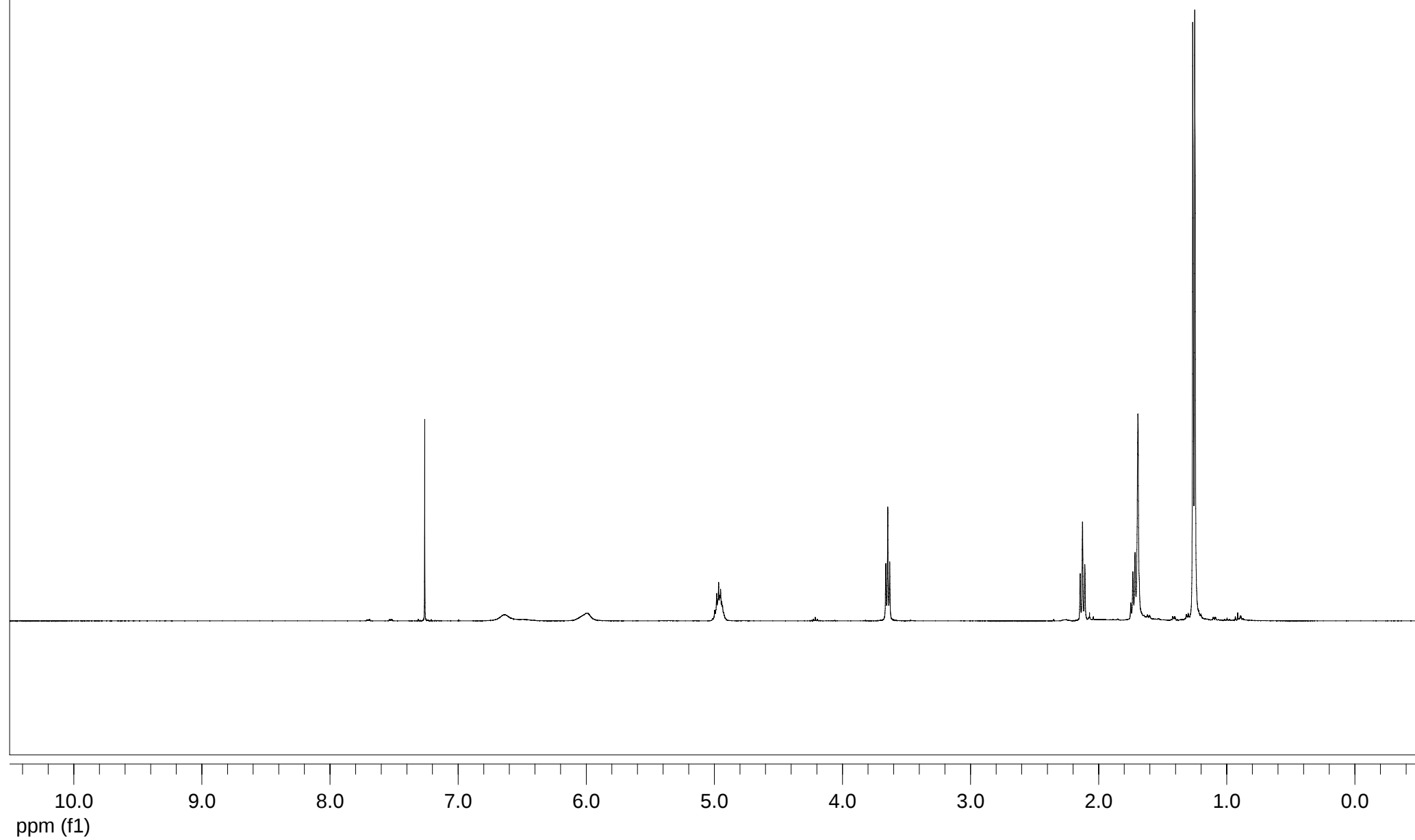
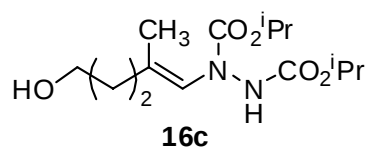


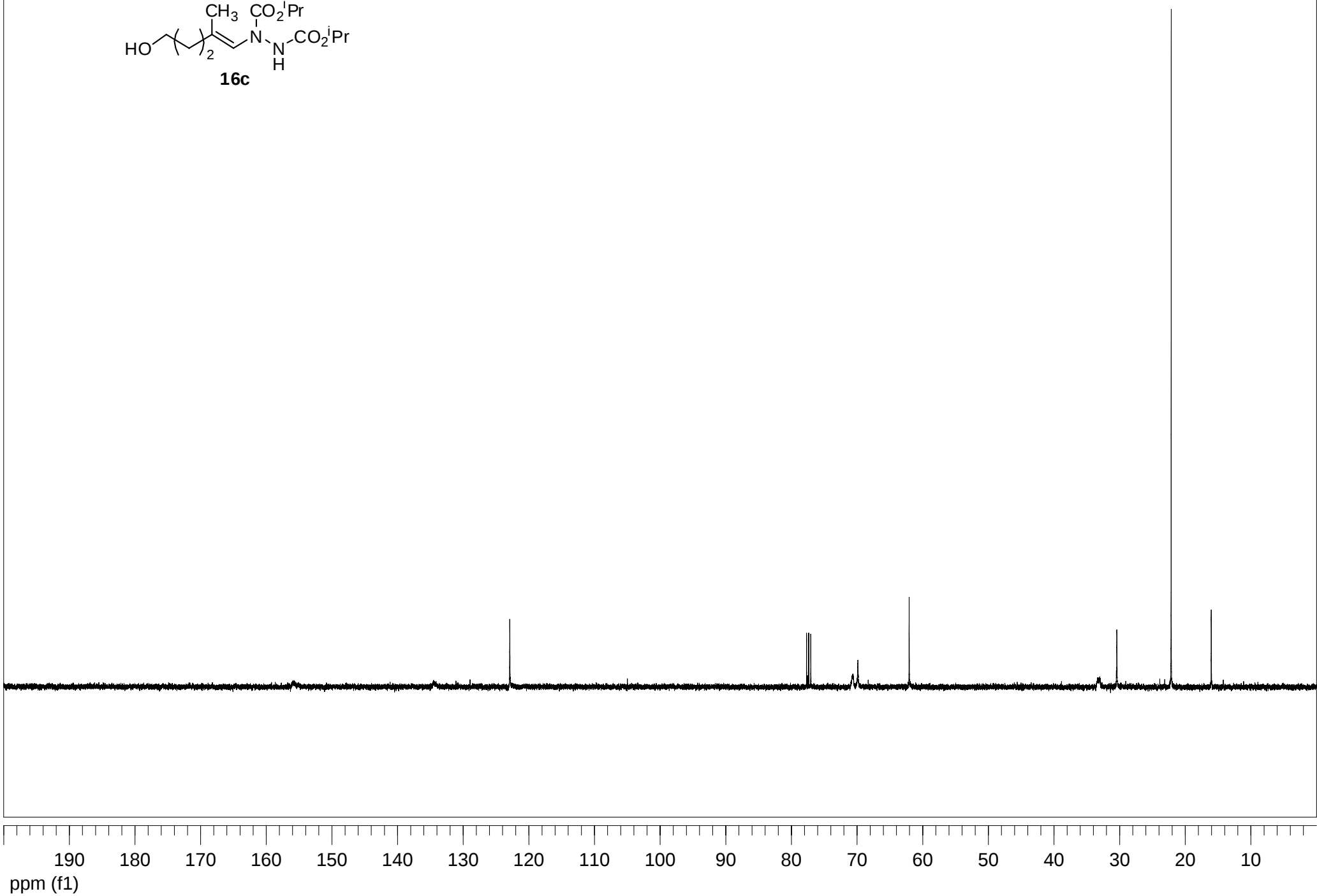
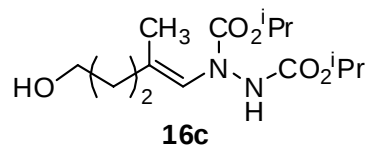


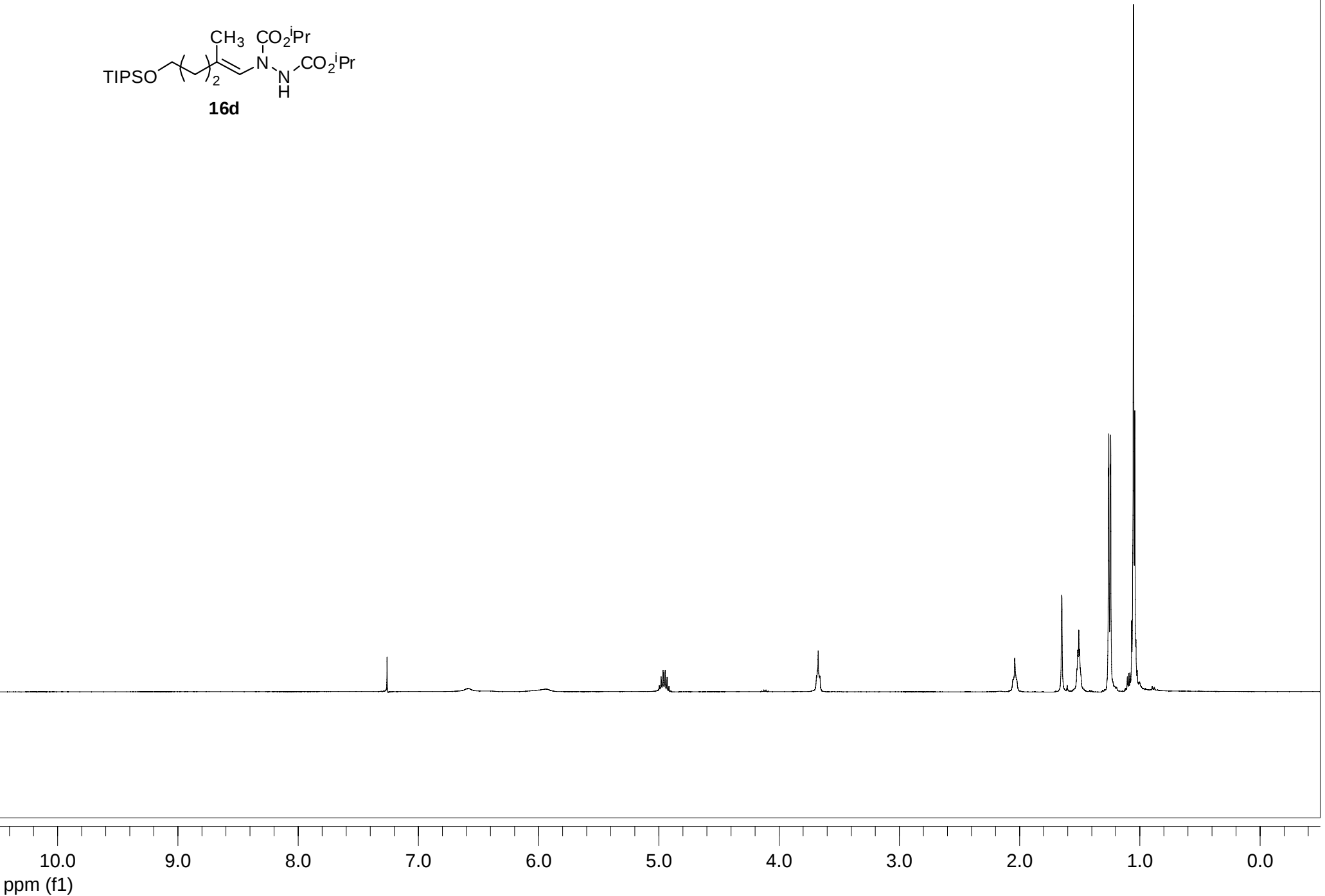


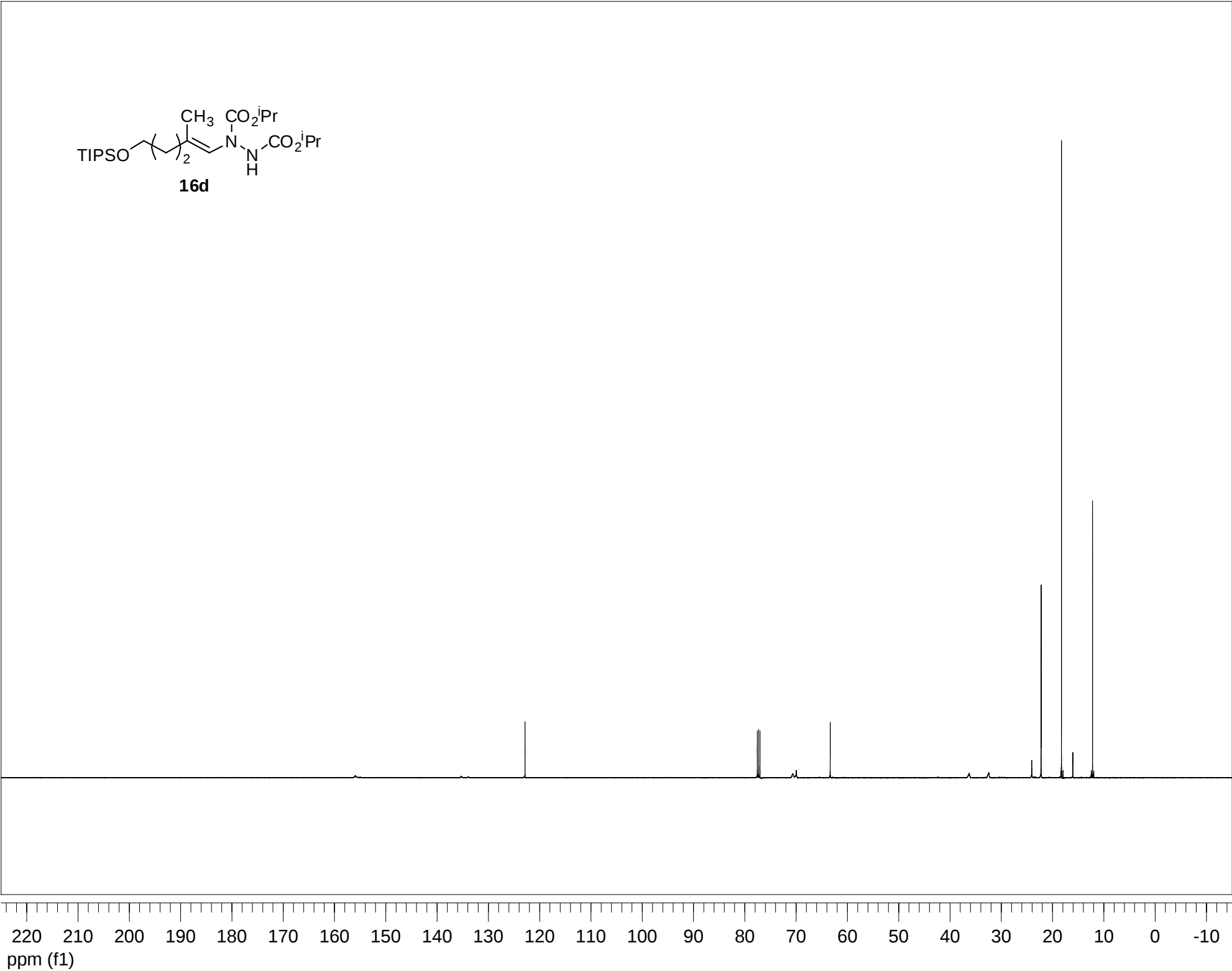


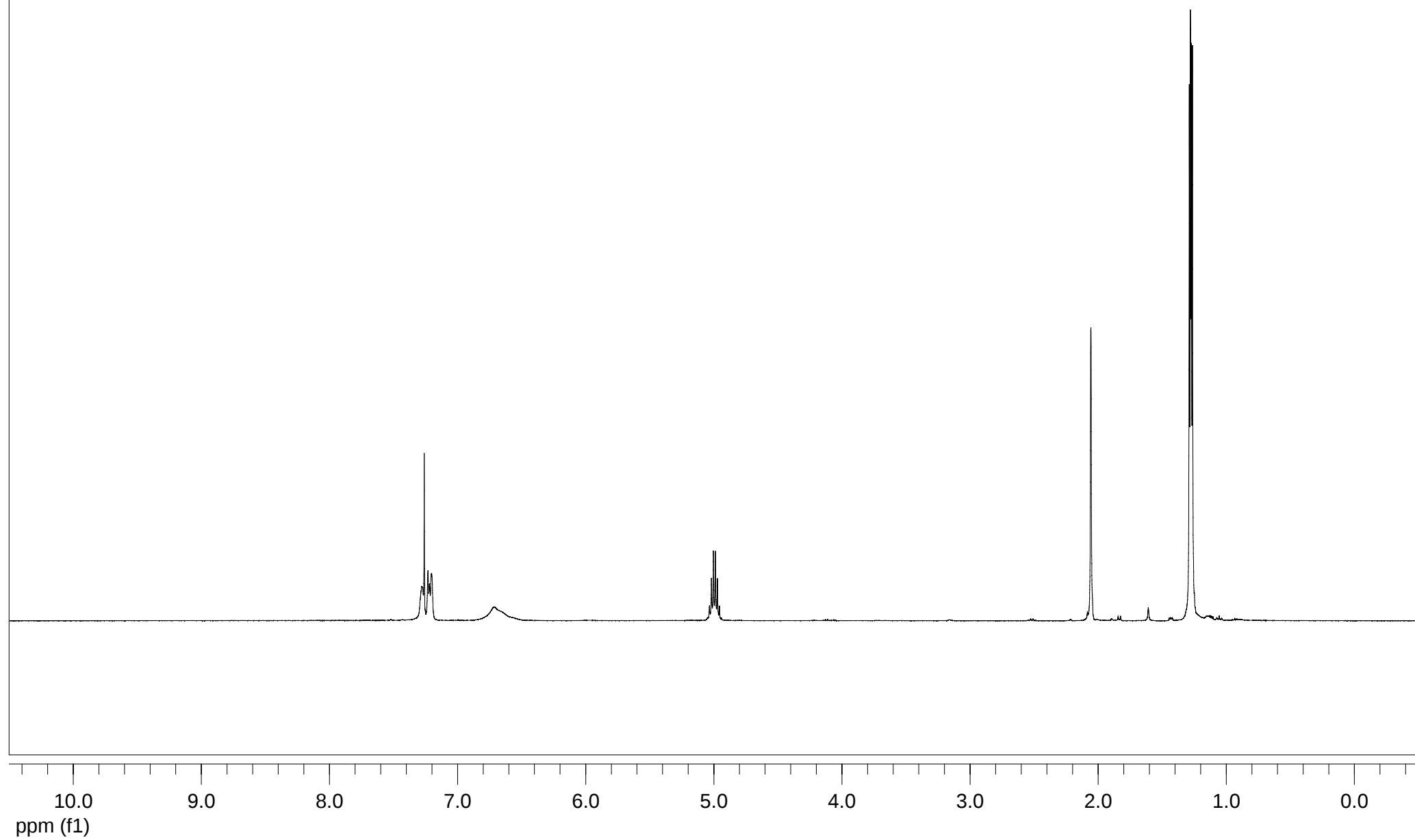
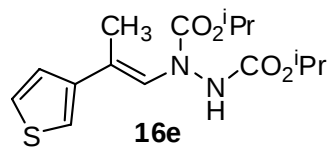


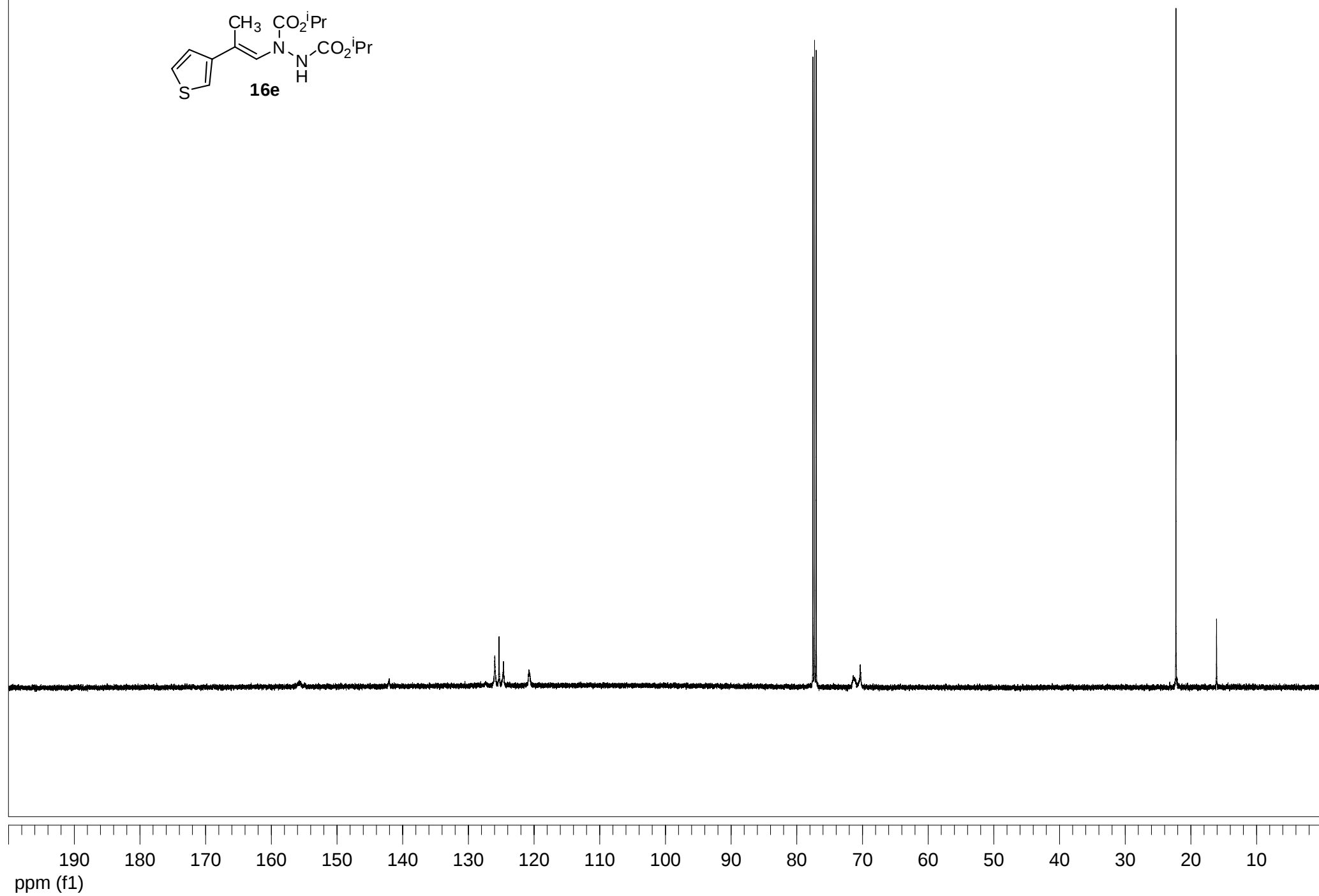
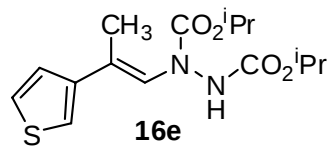


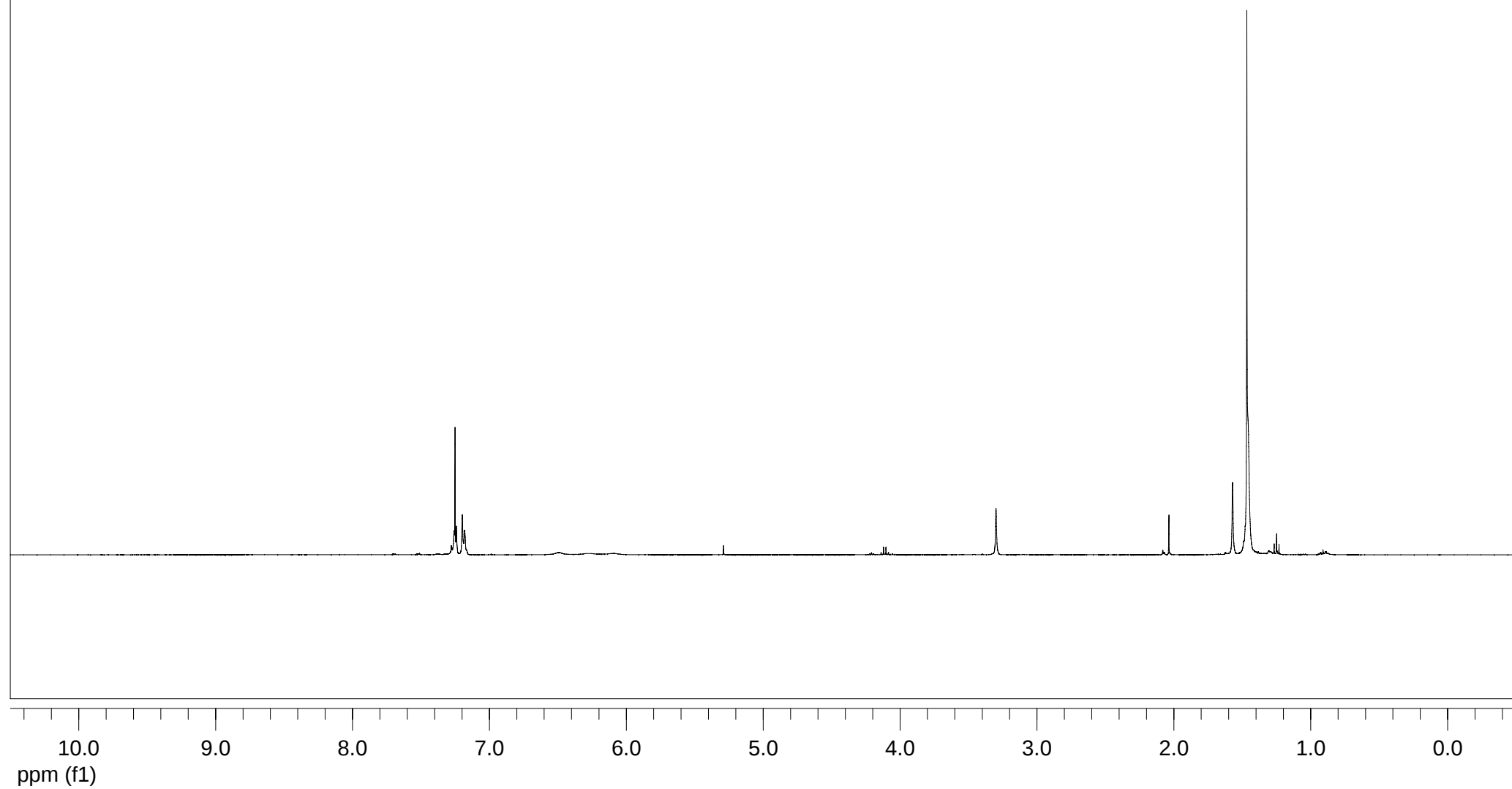
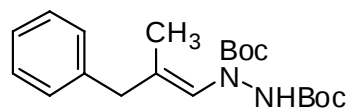


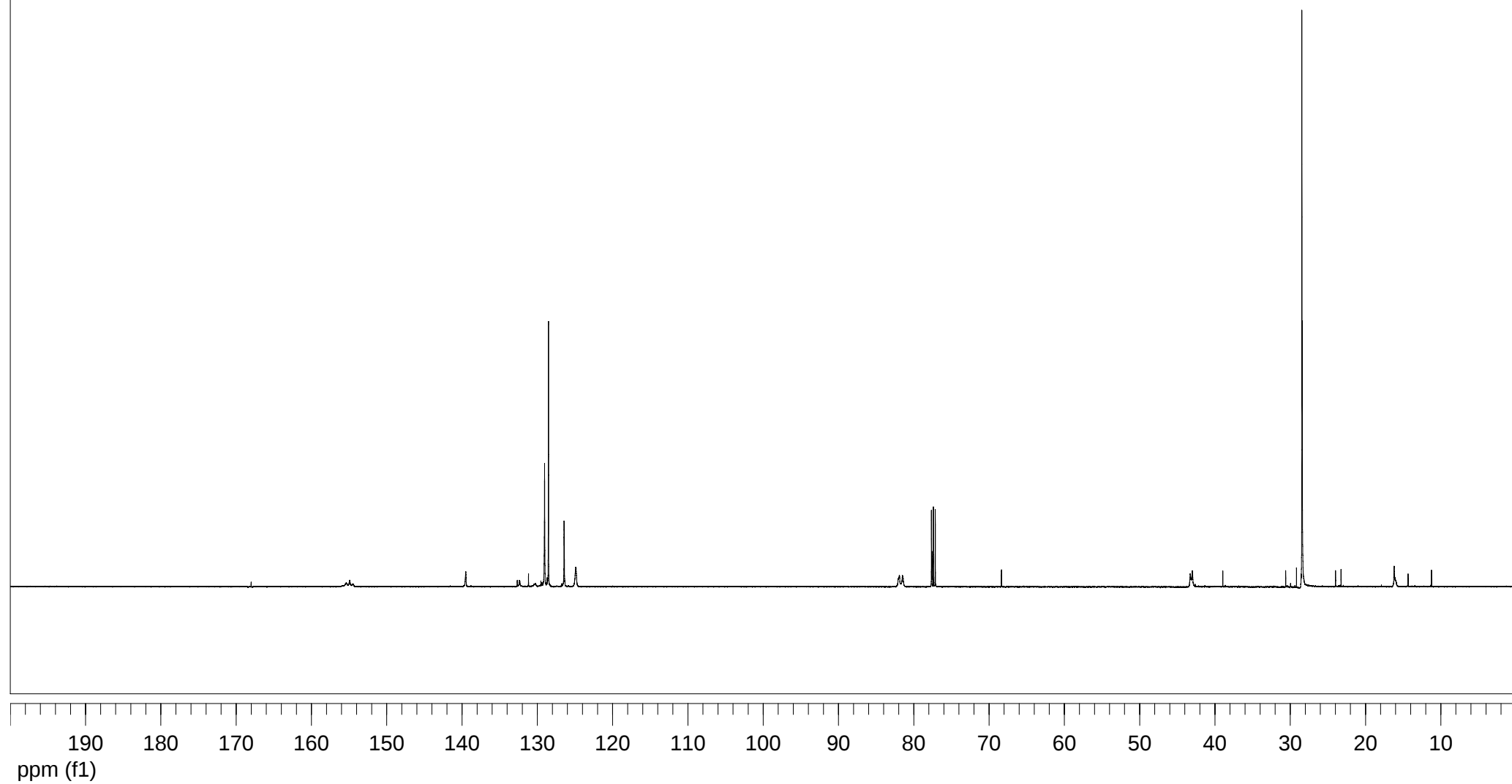
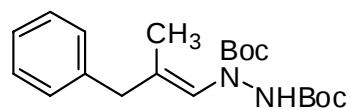


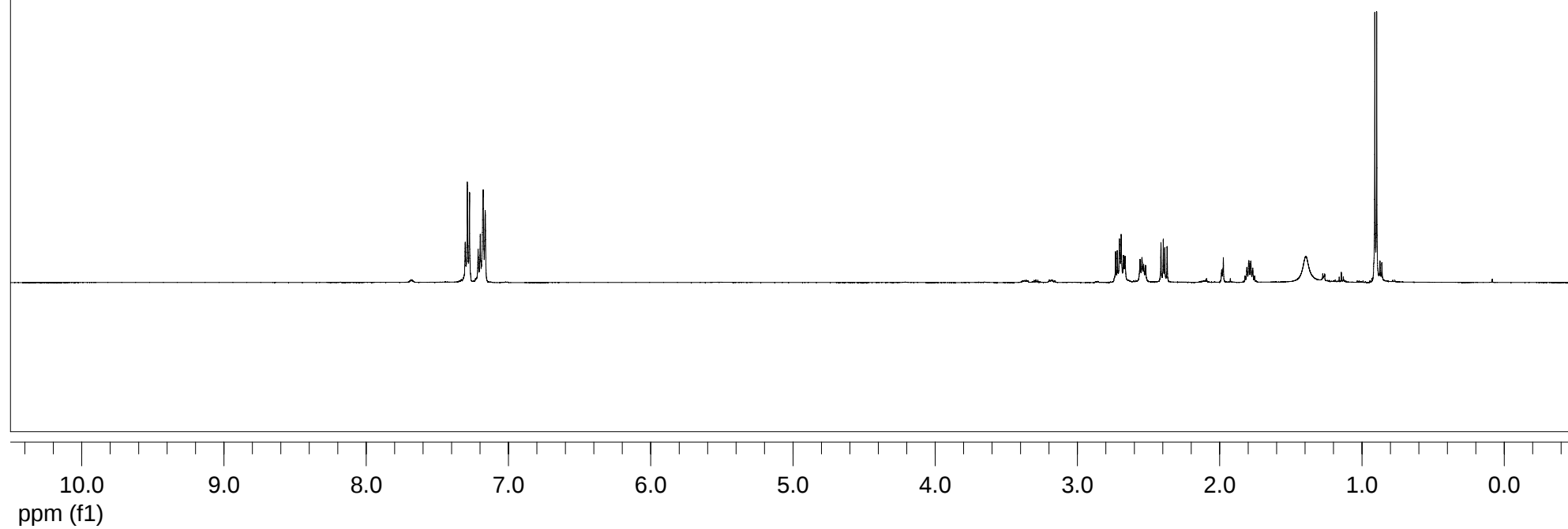
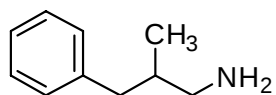


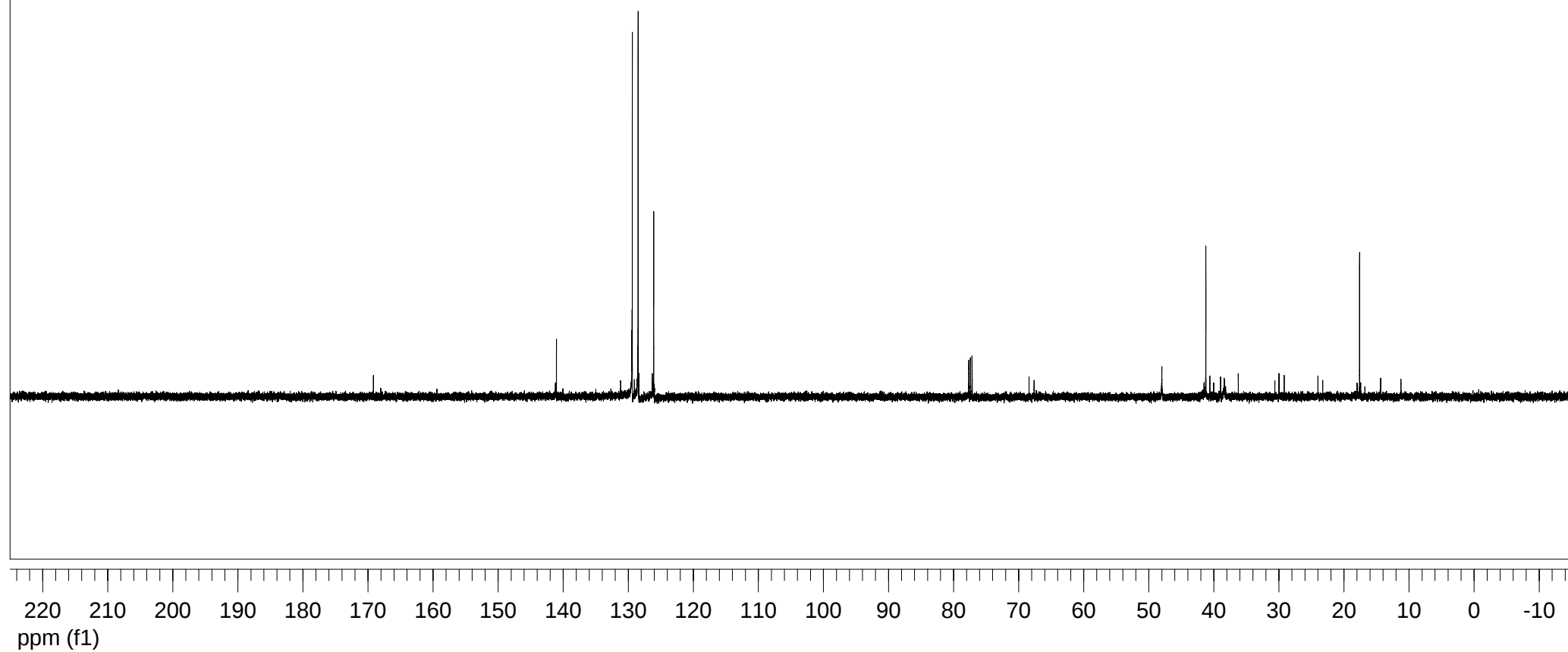
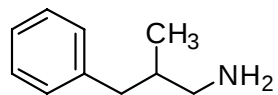


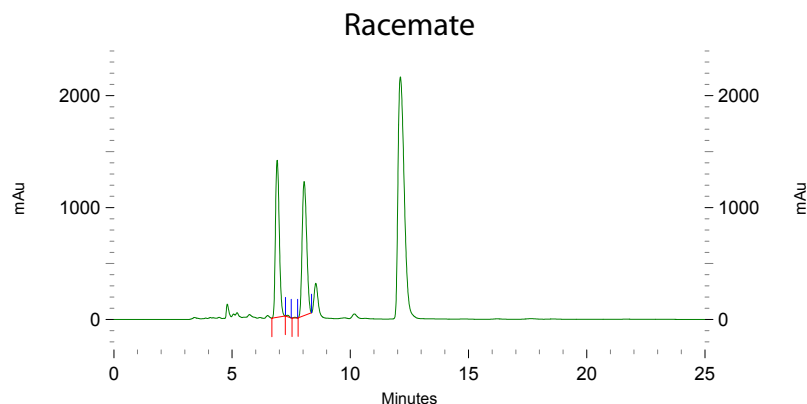
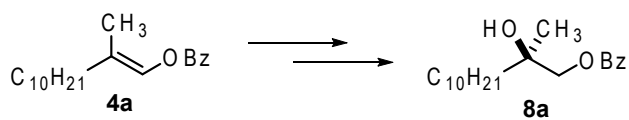








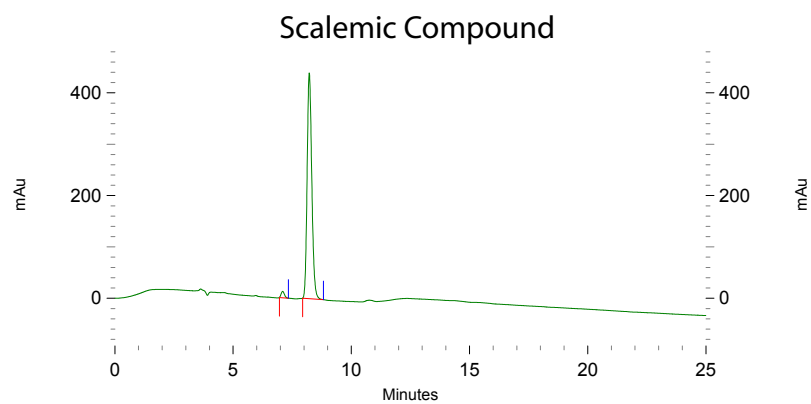




Results

Retention Time	Height	Height %	Area	Area %
6.907	1403088	53.55	15824975	49.46
7.344	13128	0.50	106787	0.33
7.659	6079	0.23	45305	0.14
8.048	1197950	45.72	16016178	50.06

Totals	2620245	100.00	31993245	100.00
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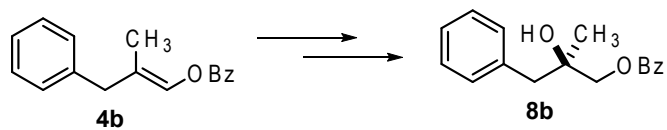


Results

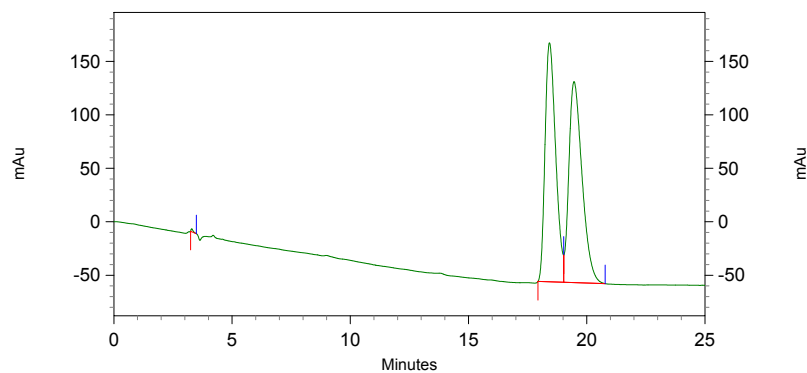
Retention Time	Height	Height %	Area	Area %
7.093	12384	2.74	119496	1.95
8.219	439742	97.26	6008775	98.05

Totals	452126	100.00	6128271	100.00
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HPLC Conditions: Chiracel AS-H column, 1 mL/ min flow rate, 3% i-PrOH in hexanes



Racemate

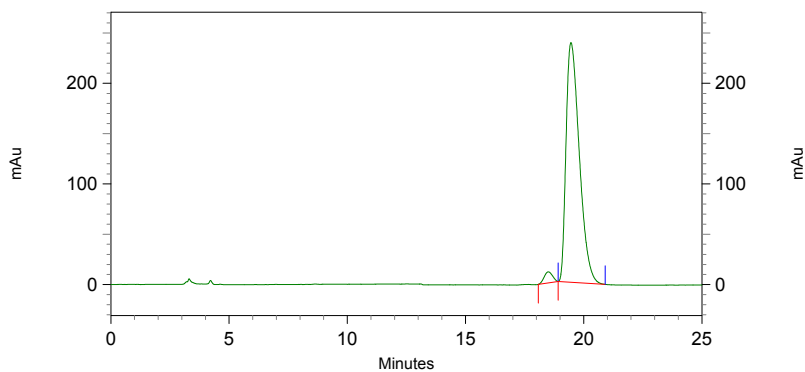


Results

Retention Time	Height	Height %	Area	Area %
3.291	2899	0.70	16732	0.12
18.421	223626	53.95	6960638	48.70
19.461	187991	45.35	7315358	51.18

Totals	414516	100.00	14292728	100.00
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Scalemic Compound

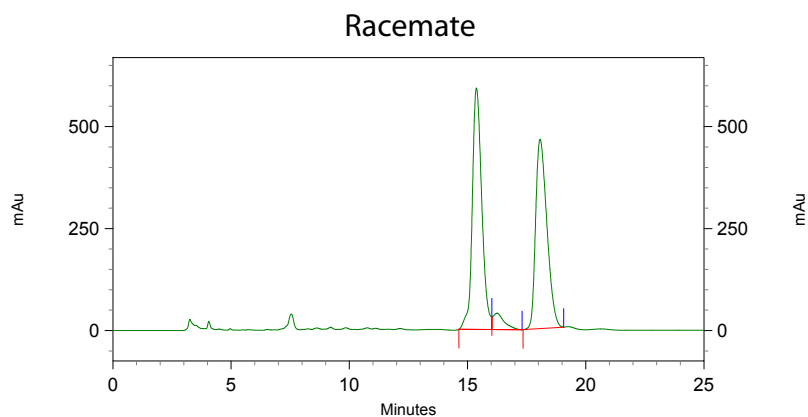
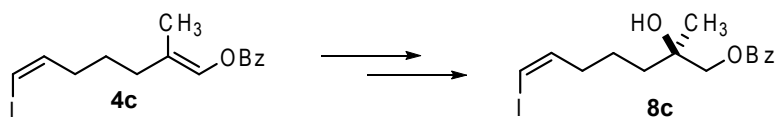


Results

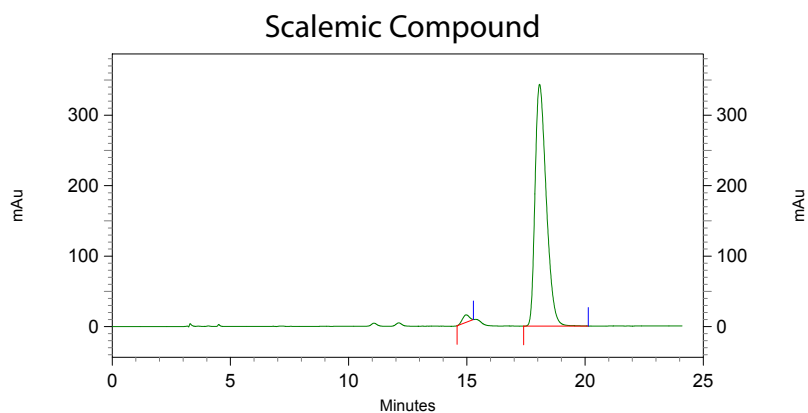
Retention Time	Height	Height %	Area	Area %
18.496	11066	4.44	272034	2.85
19.456	238312	95.56	9286202	97.15

Totals	249378	100.00	9558236	100.00
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HPLC Conditions: Chiracel AS-H column, 1 mL/ min flow rate, 3% i-PrOH in hexanes

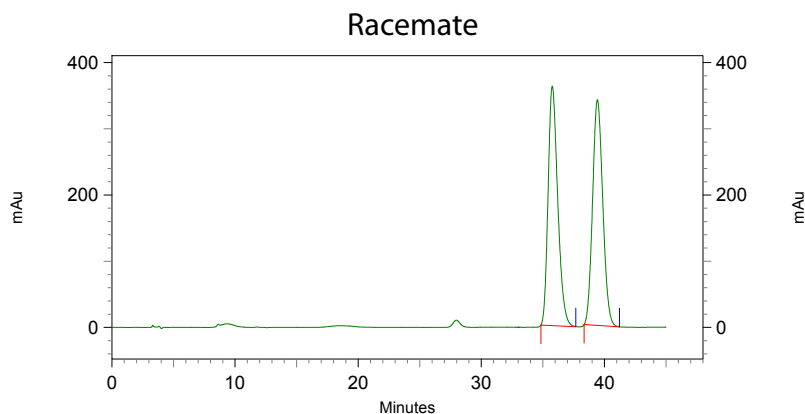
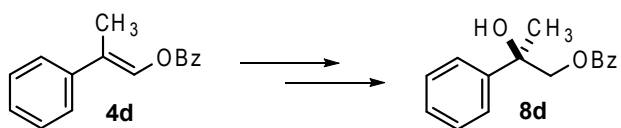


Results				
Retention Time	Height	Height %	Area	Area %
15.376	592106	54.00	16540451	49.71
16.245	40154	3.66	1332272	4.00
18.064	464143	42.33	15398122	46.28
Totals	1096403	100.00	33270845	100.00



Results				
Retention Time	Height	Height %	Area	Area %
14.971	10548	2.98	210540	1.84
18.075	343293	97.02	11259673	98.16
Totals	353841	100.00	11470213	100.00

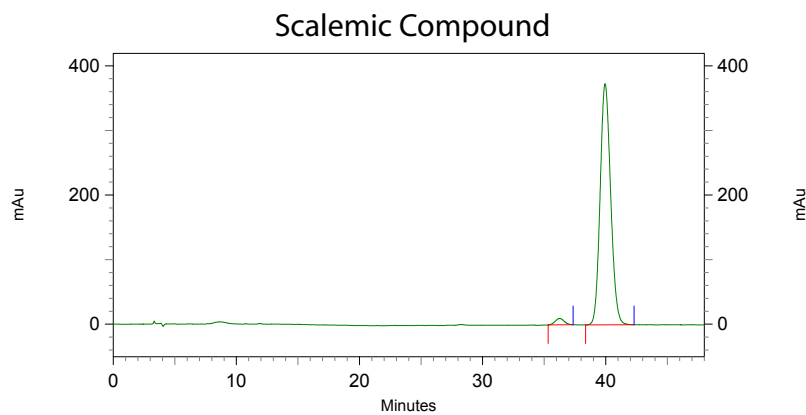
HPLC Conditions: Chiralcel AS-H column, 1 mL/ min flow rate, 4% i-PrOH in hexanes



Results

Retention Time	Height	Height %	Area	Area %
35.760	361800	51.50	19631544	50.02
39.429	340789	48.50	19615073	49.98

Totals	702589	100.00	39246617	100.00
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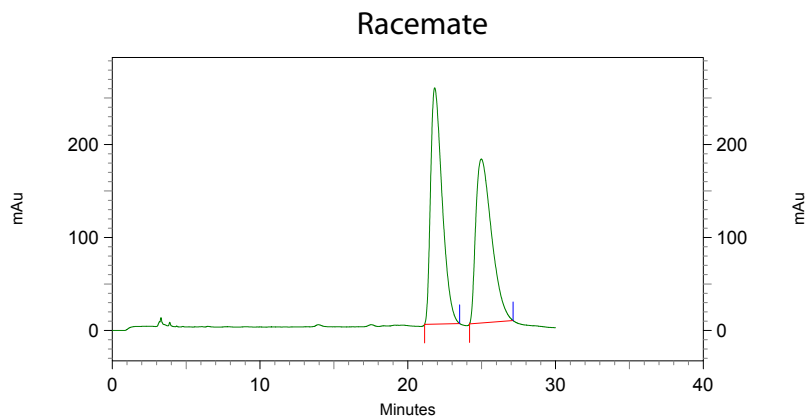
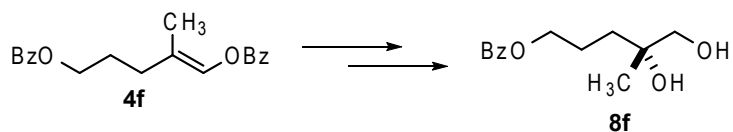


Results

Retention Time	Area	Area %	Height	Height %
36.256	498017	2.20	9864	2.57
39.941	22162535	97.80	373278	97.43

Totals	22660552	100.00	383142	100.00
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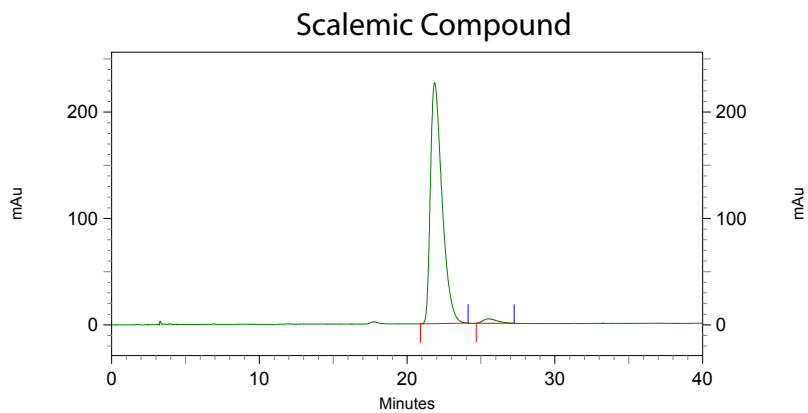
HPLC Conditions: Chiracel AD-H column, 1 mL/ min flow rate, 3% EtOH in hexanes



Results

Retention Time	Height	Height %	Area	Area %
21.819	254170	59.03	13810232	51.22
24.976	176399	40.97	13152666	48.78

Totals	430569	100.00	26962898	100.00
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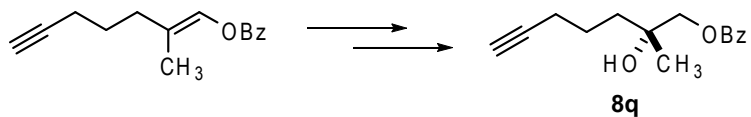


Results

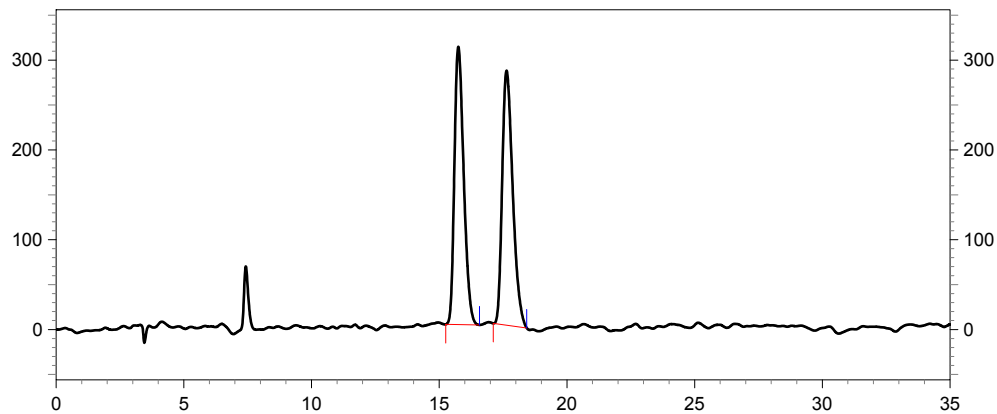
Retention Time	Height	Height %	Area	Area %
21.861	226660	98.22	12406375	97.79
25.509	4112	1.78	280068	2.21

Totals	230772	100.00	12686443	100.00
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HPLC Conditions: Chiracel AS-H column, 1 mL/ min flow rate, 6% i-PrOH in hexanes



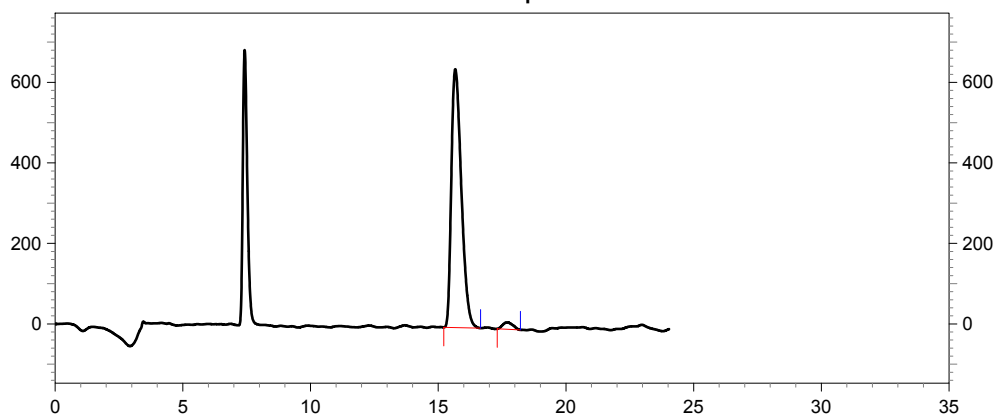
Racemate



Retention Time	Area	Area %	Height	Height %
15.749	7840999	49.10	309371	52.17
17.637	8128339	50.90	283589	47.83

Totals	15969338	100.00	592960	100.00
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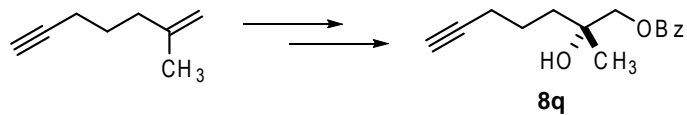
Scalemic Compound



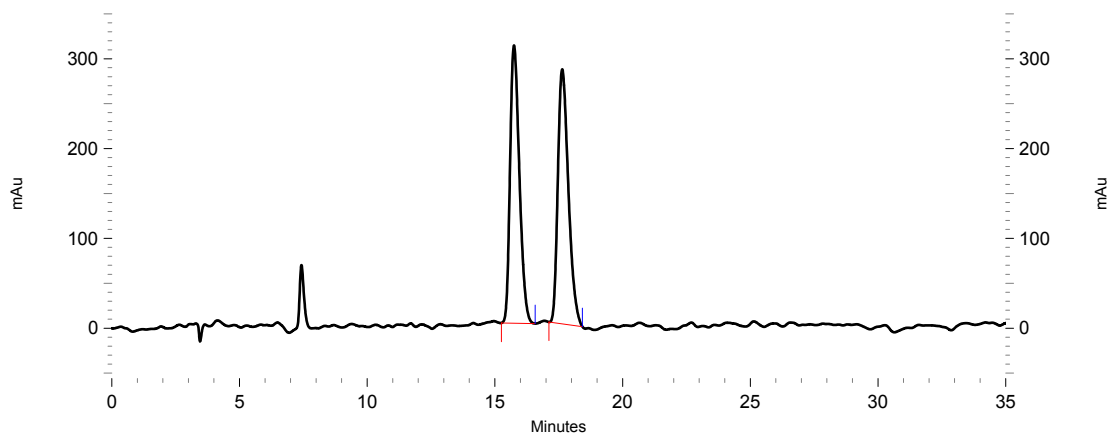
Retention Time	Area	Area %	Height	Height %
15.669	17436146	97.34	641591	97.40
17.707	476148	2.66	17094	2.60

Totals	17912294	100.00	658685	100.00
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HPLC Conditions: Chiracel OJ-H column, 1 mL/ min flow rate, 6% i-PrOH in hexanes

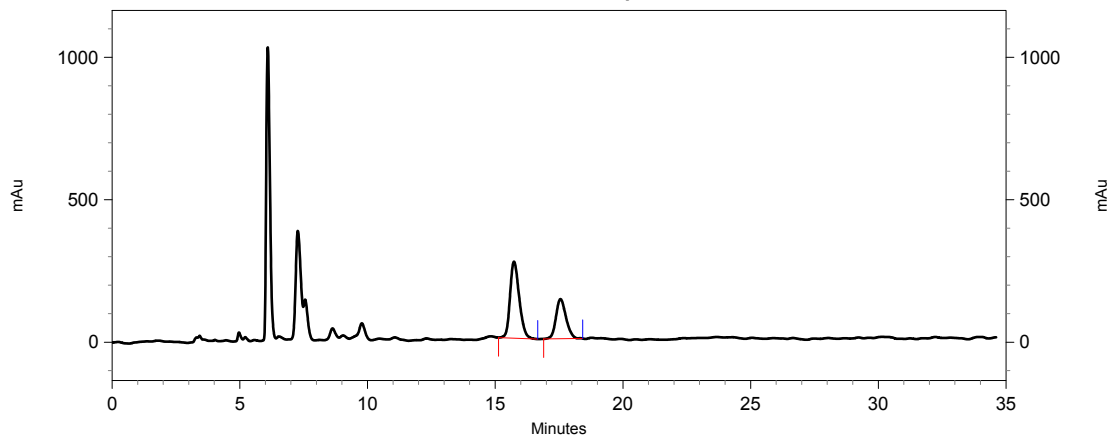


Racemate



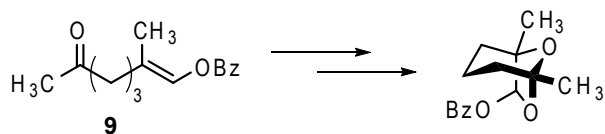
Retention Time	Area	Area %	Height	Height %
15.749	7840999	49.10	309371	52.17
17.637	8128339	50.90	283589	47.83
Totals	15969338	100.00	592960	100.00

Scalemic Compound

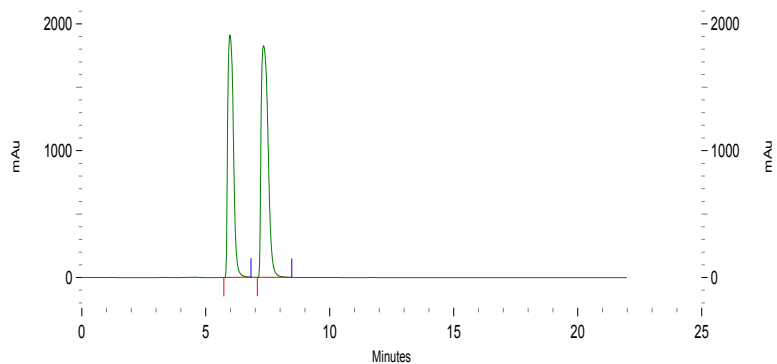


Retention Time	Area	Area %	Height	Height %
15.733	6731820	63.78	268534	65.86
17.557	3822660	36.22	139174	34.14
Totals	10554480	100.00	407708	100.00

HPLC Conditions: Chiracel OJ-H column, 1 mL/ min flow rate, 6% i-PrOH in hexanes



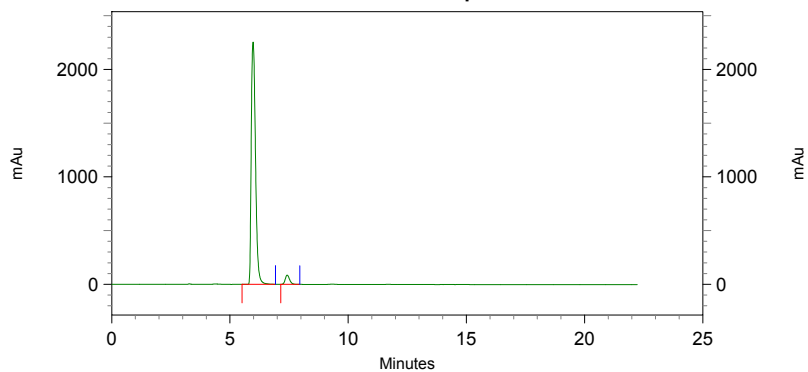
Racemate



Retention Time	Height	Height %	Area	Area %
5.973	1911410	51.12	30609603	46.15
7.333	1827318	48.88	35711420	53.85

Totals	3738728	100.00	66321023	100.00
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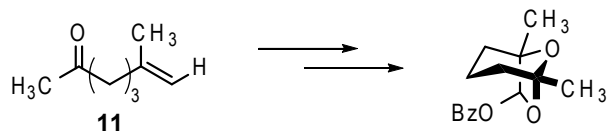
Scalemic Compound



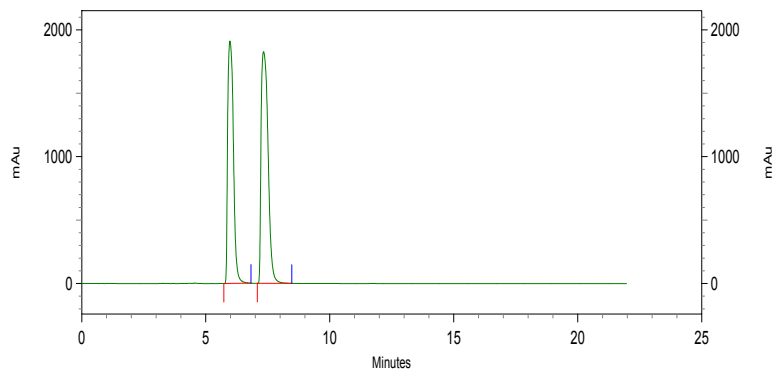
Retention Time	Height	Height %	Area	Area %
5.979	2255560	96.33	28134029	96.25
7.419	86049	3.67	1097619	3.75

Totals	2341609	100.00	29231648	100.00
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HPLC Conditions: Chiralcel OD-H column, 1 mL/ min flow rate, 1% i-PrOH in hexanes



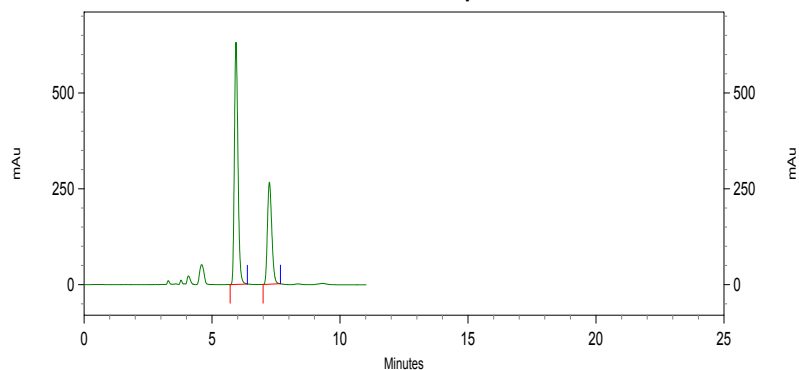
Racemate



Retention Time	Height	Height %	Area	Area %
5.973	1911410	51.12	30609603	46.15
7.333	1827318	48.88	35711420	53.85

Totals	3738728	100.00	66321023	100.00
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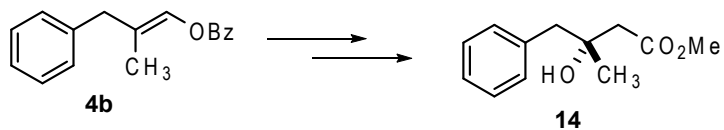
Scalemic Compound



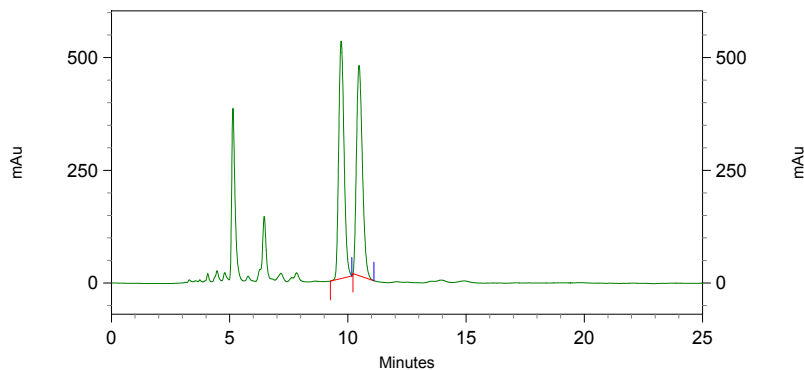
Retention Time	Height	Height %	Area	Area %
5.936	631129	70.38	6116562	66.01
7.243	265668	29.62	3149133	33.99

Totals	896797	100.00	9265695	100.00
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HPLC Conditions: Chiralcel OD-H column, 1 mL/ min flow rate, 1% i-PrOH in hexanes



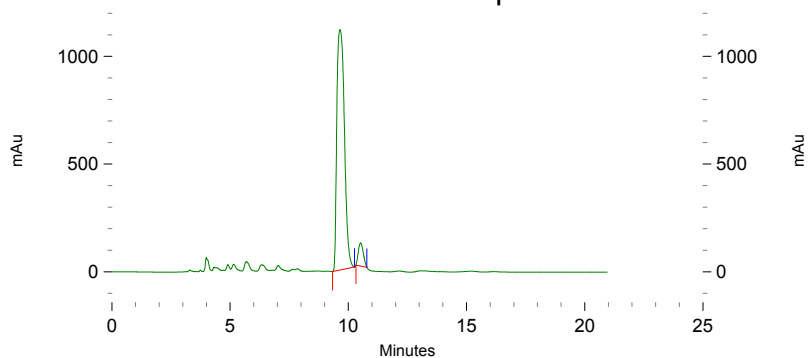
Racemate



Results

Retention Time	Height	Height %	Area	Area %
9.717	526466	53.04	8312159	50.51
10.469	466037	46.96	8145650	49.49
Totals	992503	100.00	16457809	100.00

Scalemic Compound



Results

Retention Time	Height	Height %	Area	Area %
9.648	1116109	91.22	24851518	94.08
10.517	107403	8.78	1563610	5.92
Totals	1223512	100.00	26415128	100.00

HPLC Conditions: Chiralcel OD-H column, 1 mL/ min flow rate, 1% i-PrOH in hexanes