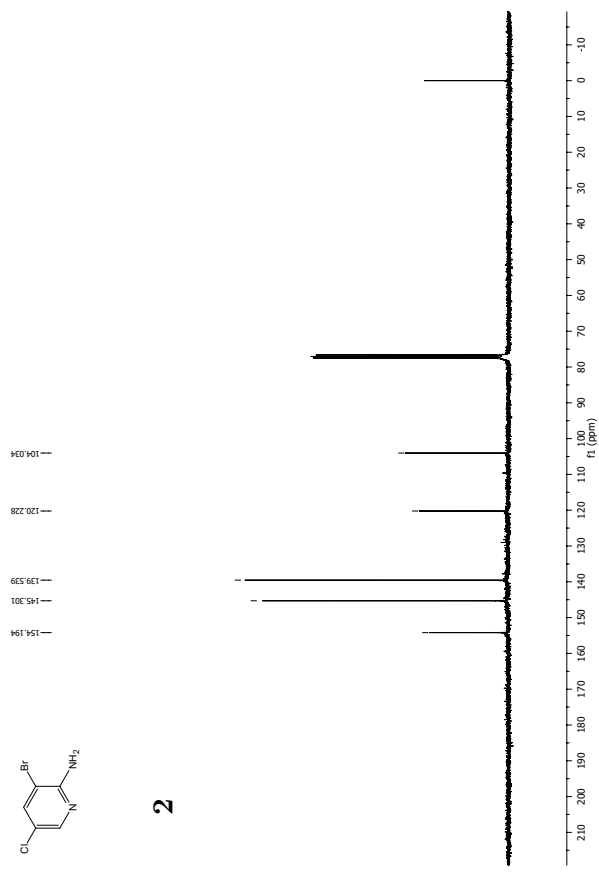
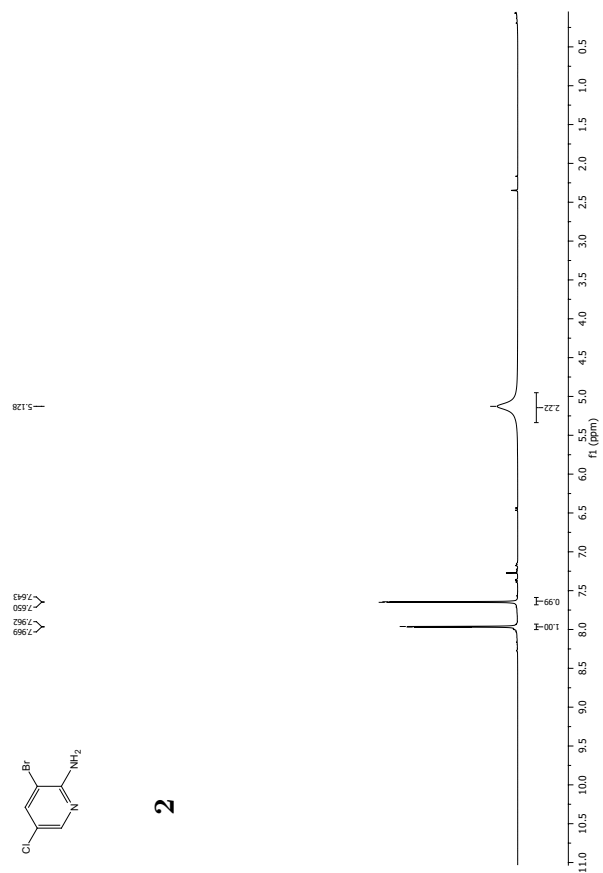
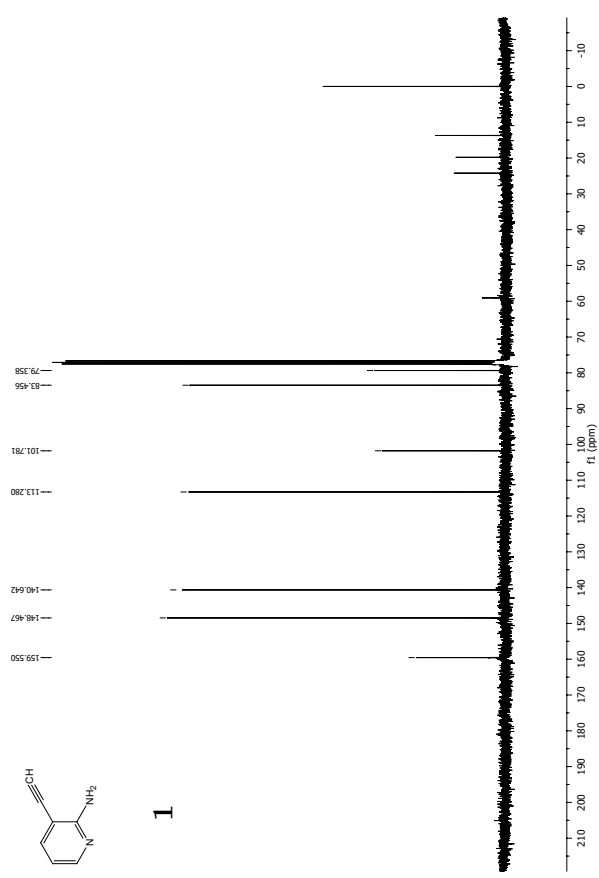
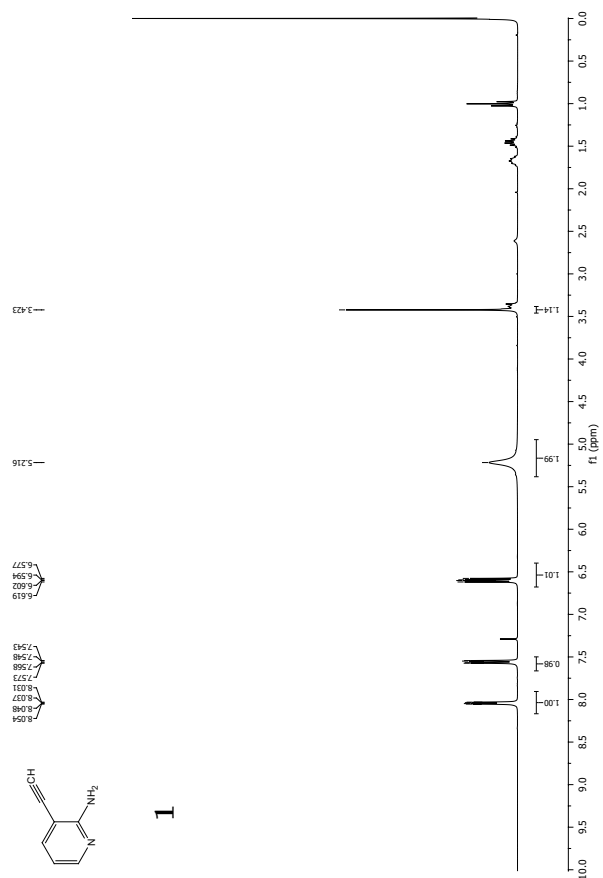
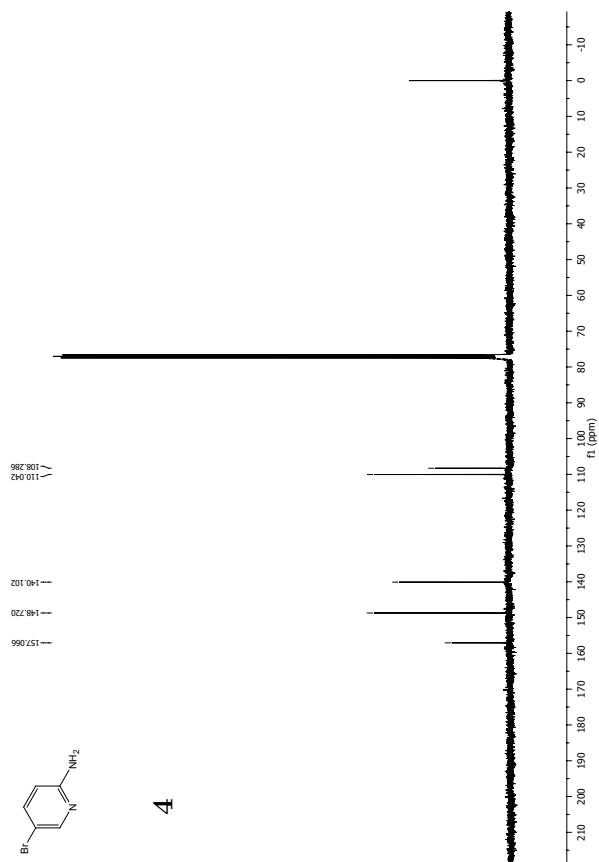
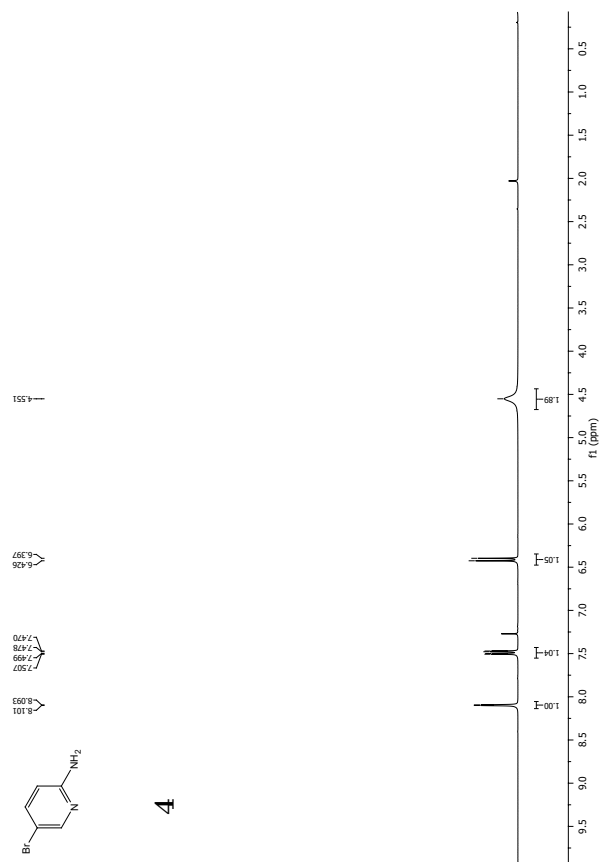
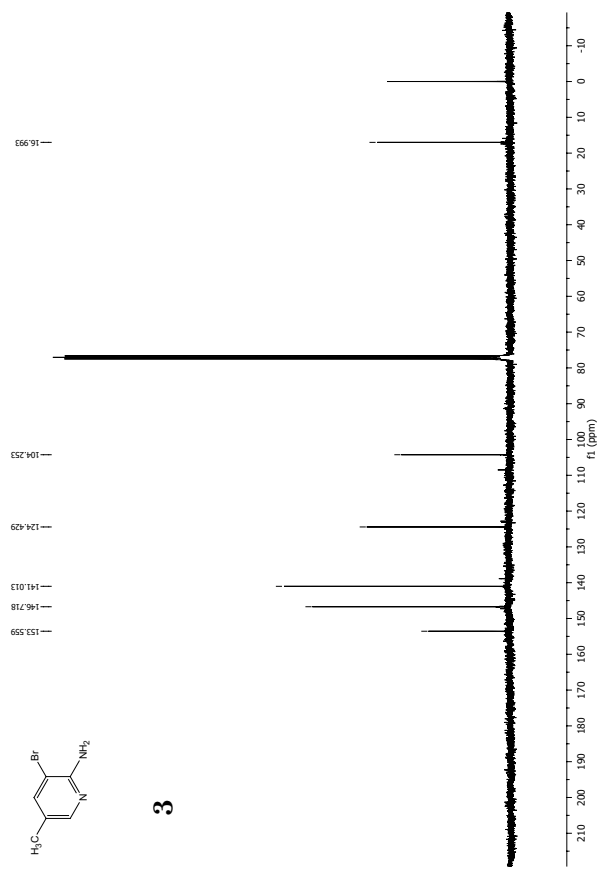
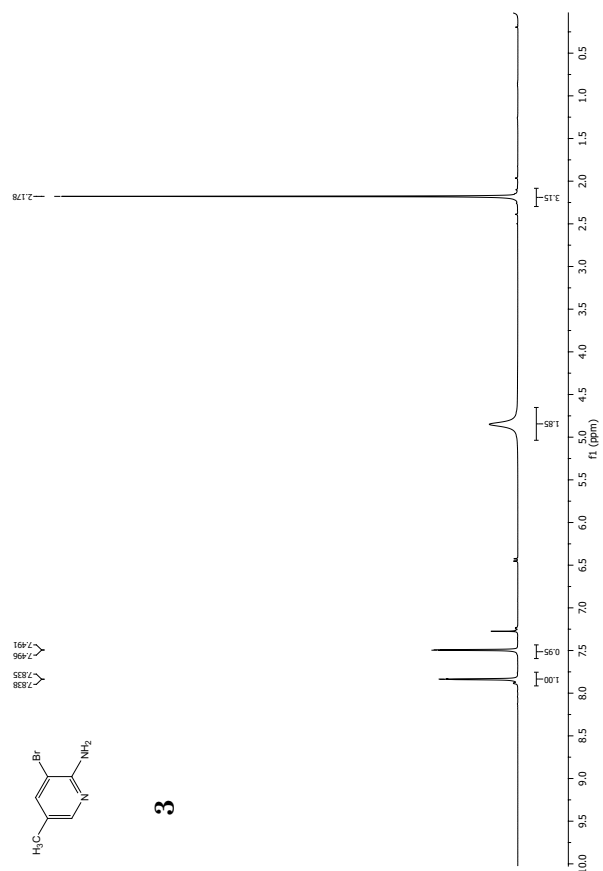
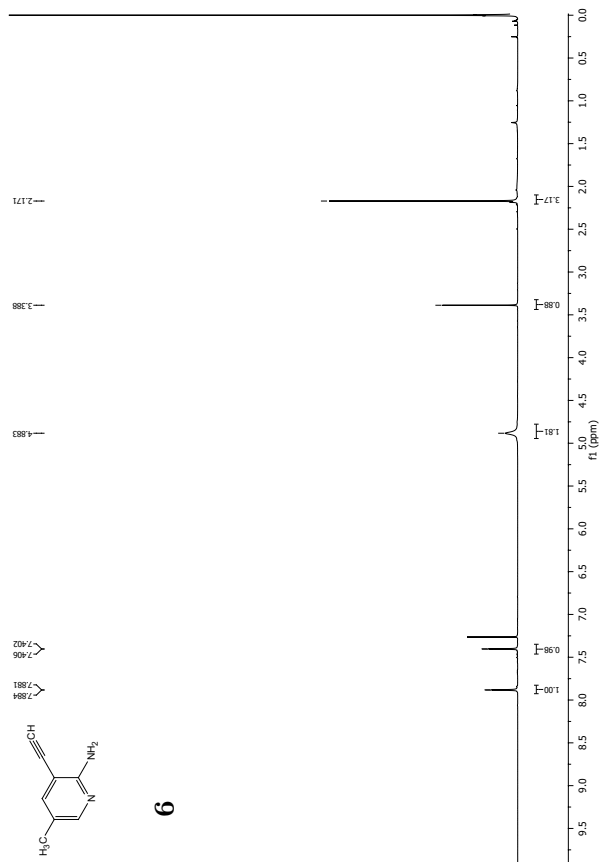
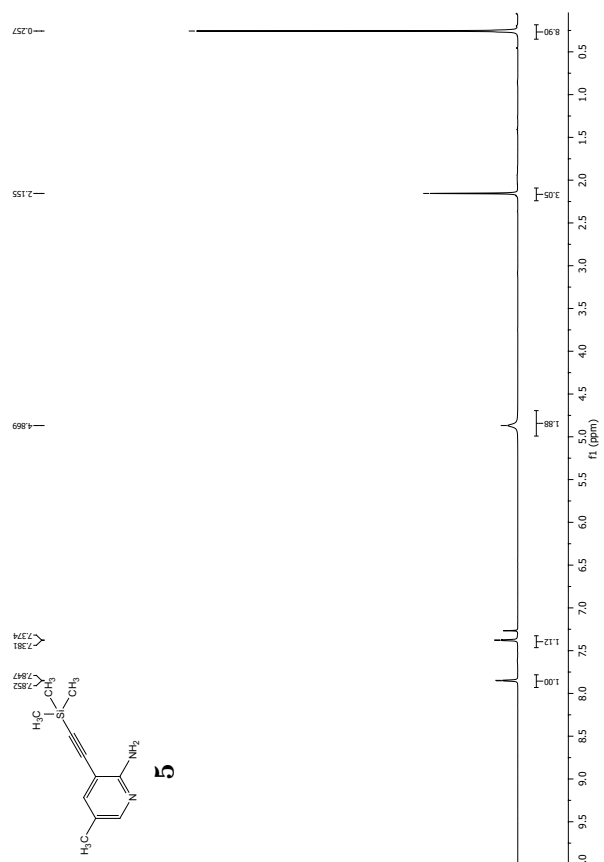
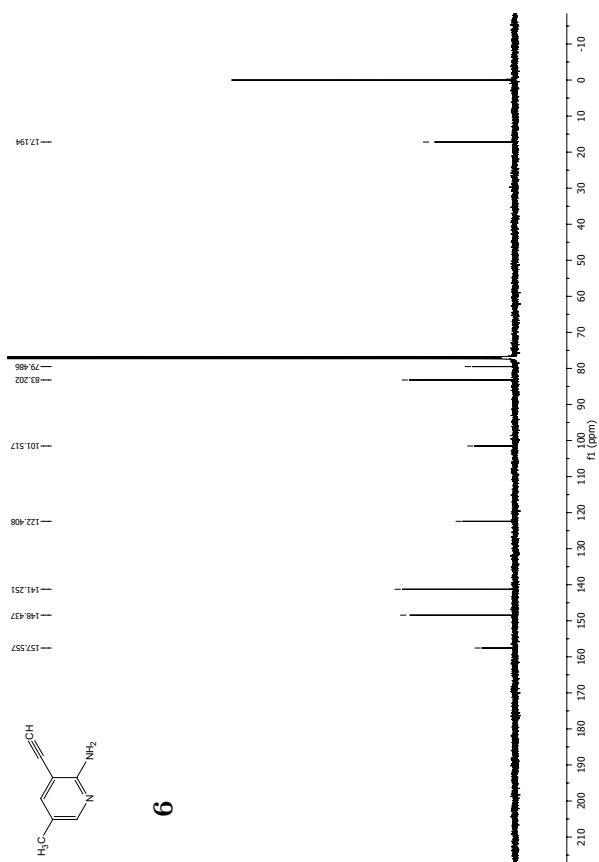
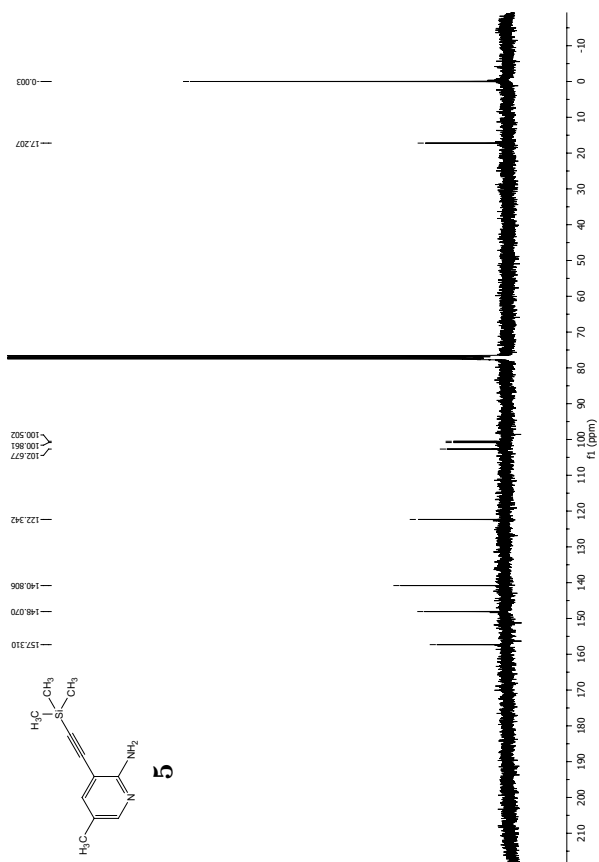
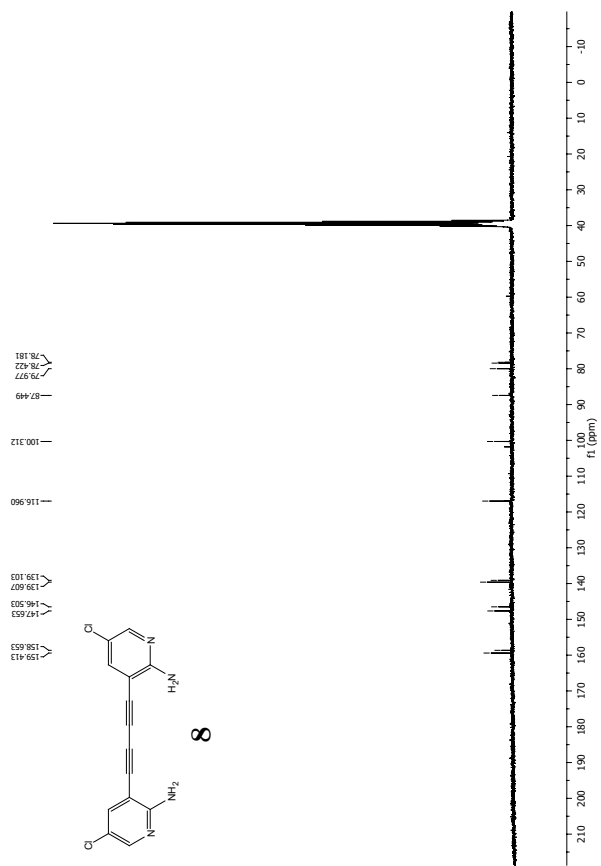
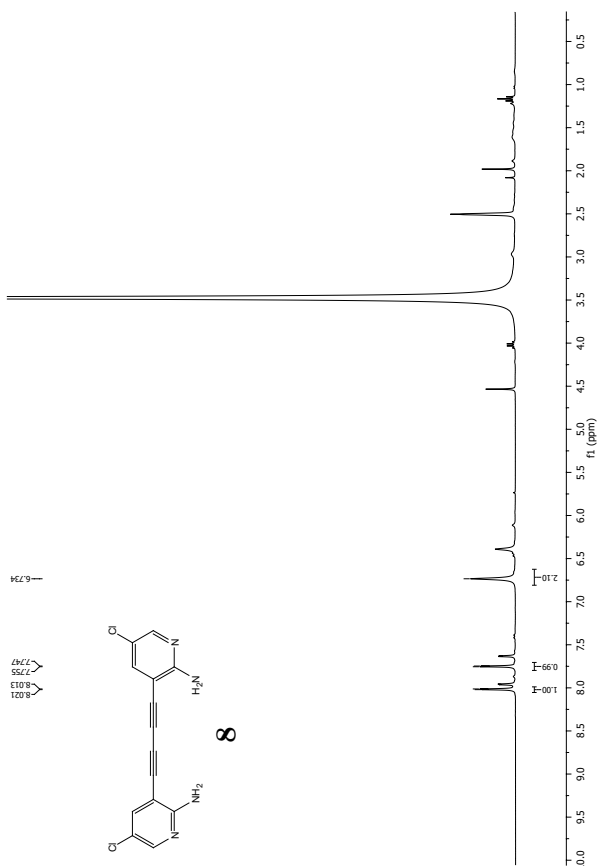


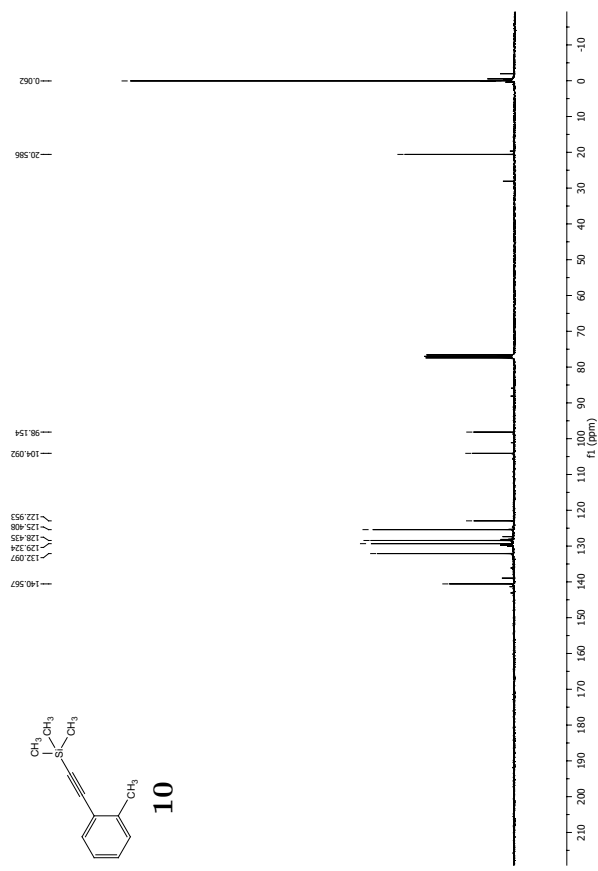
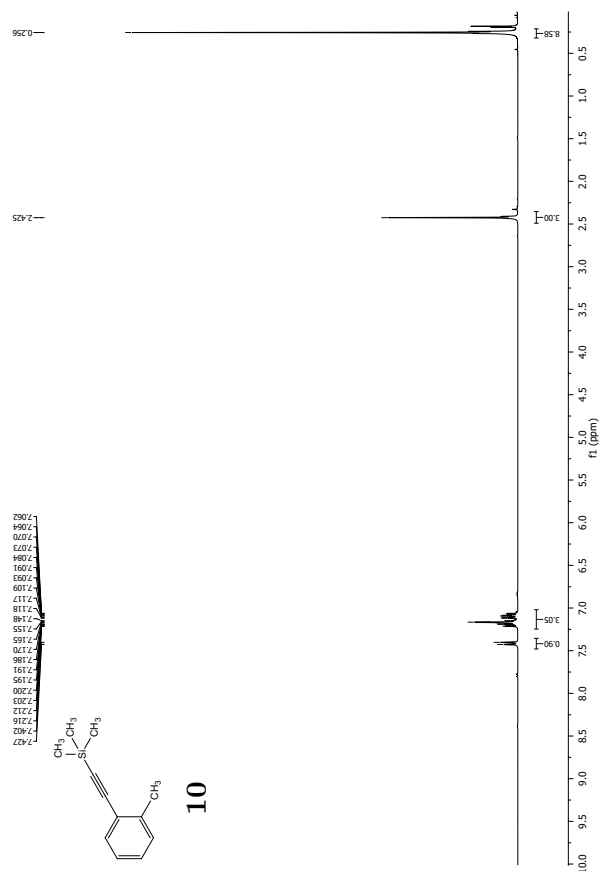
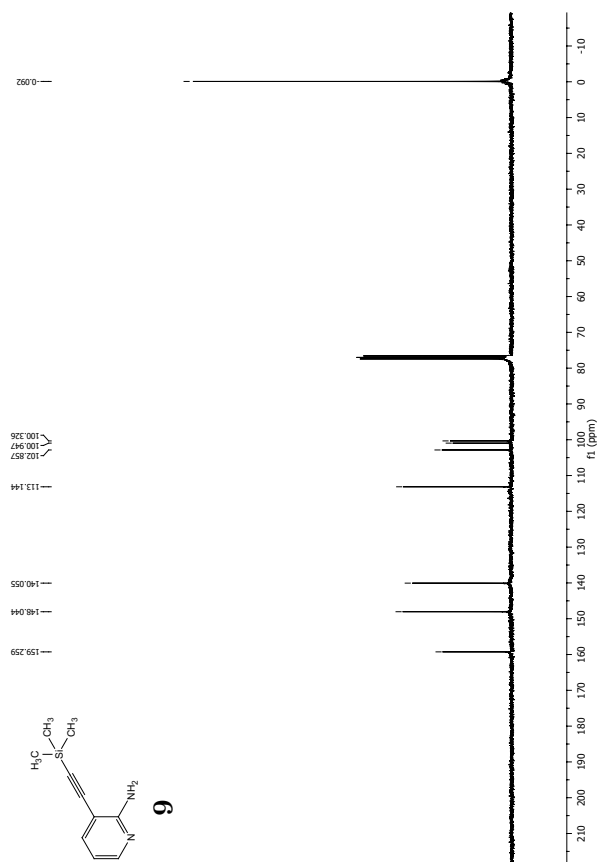
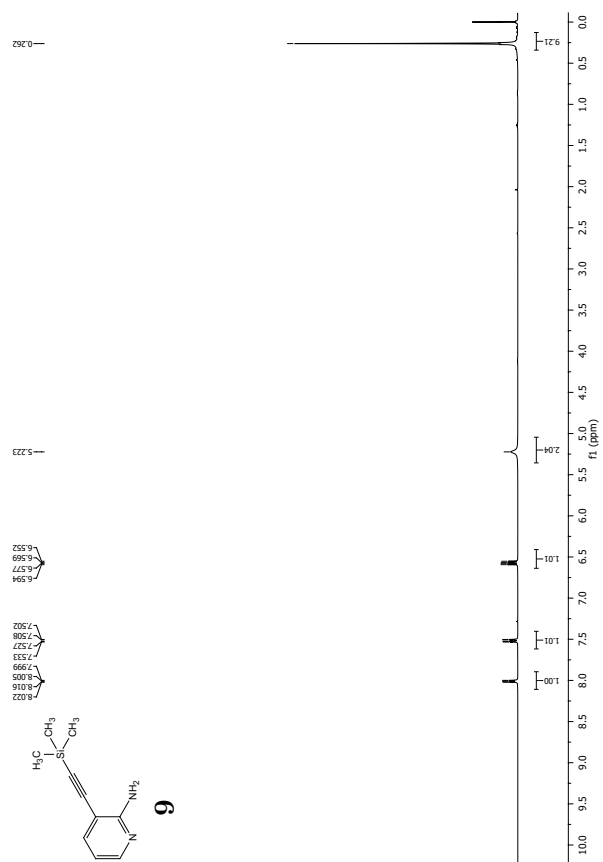
Appendix: NMR spectra

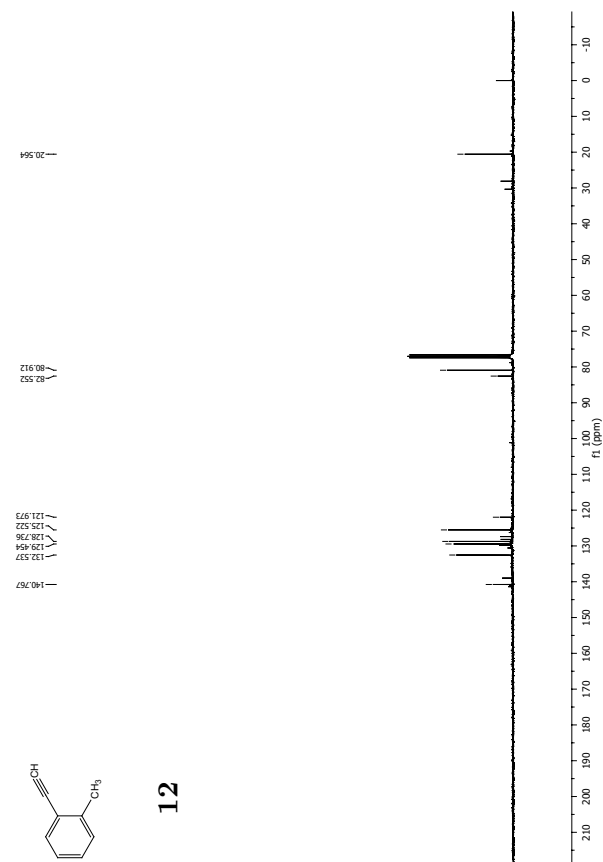
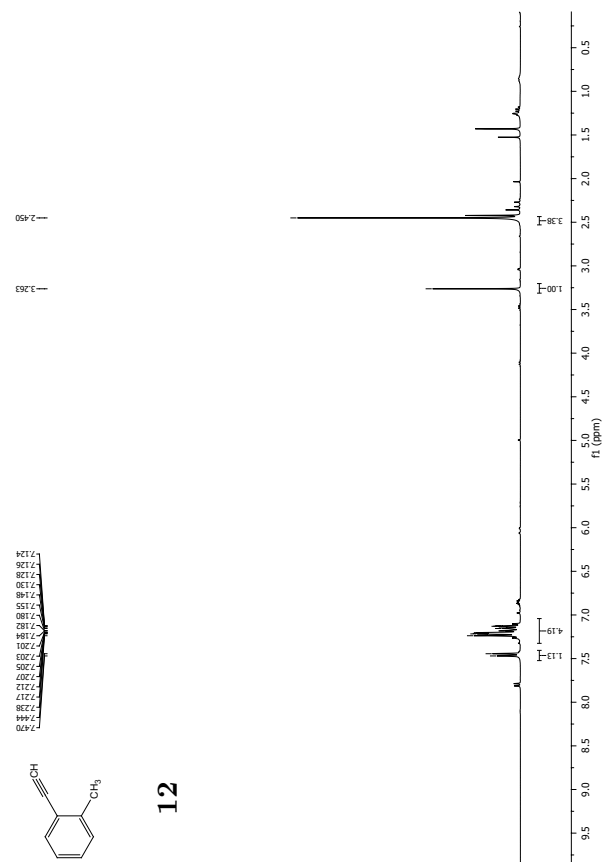
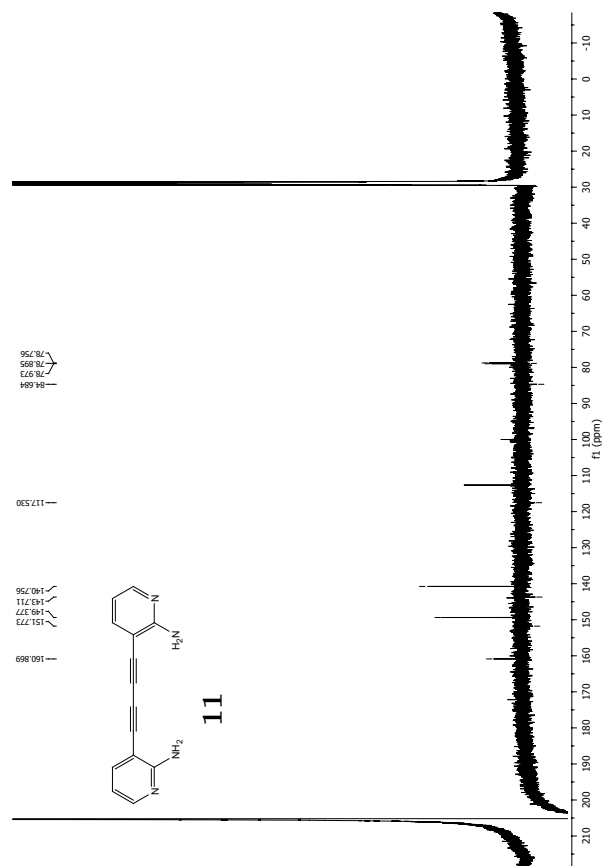
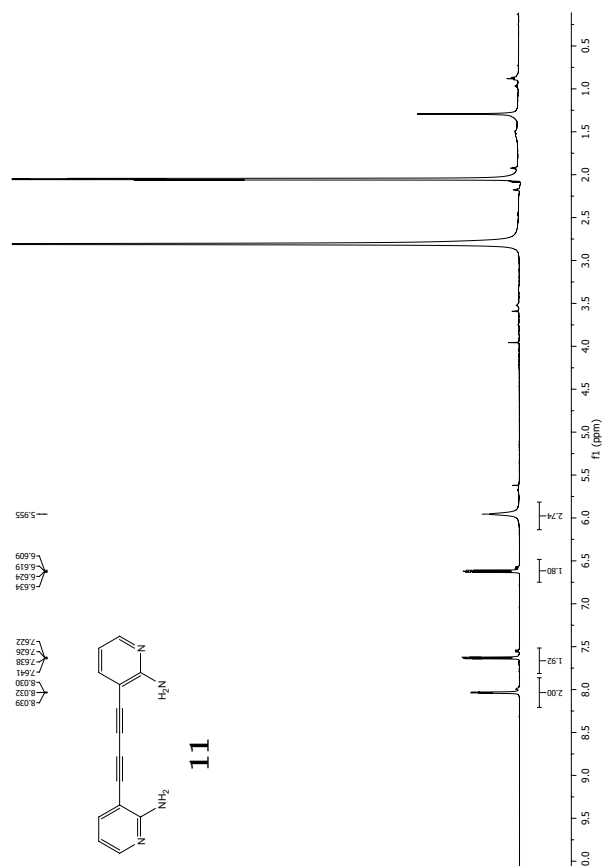


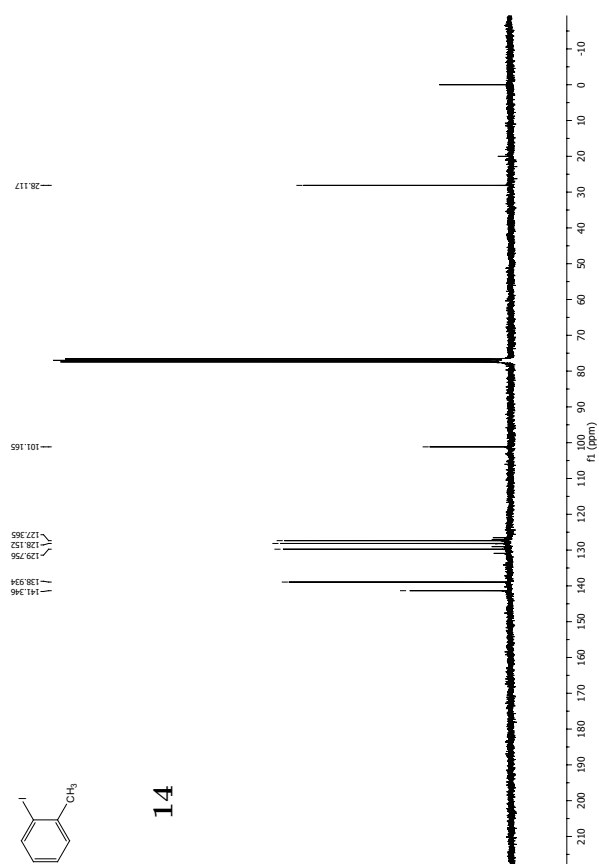
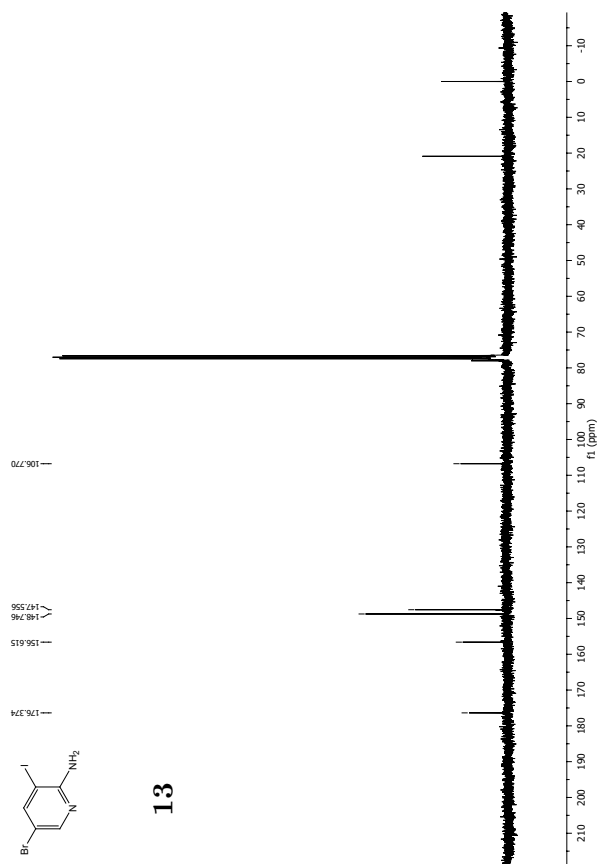
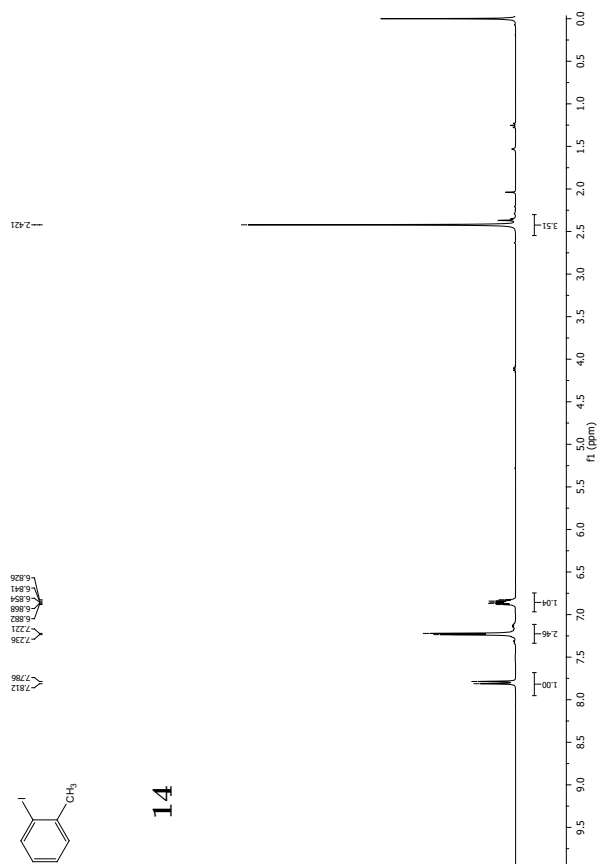
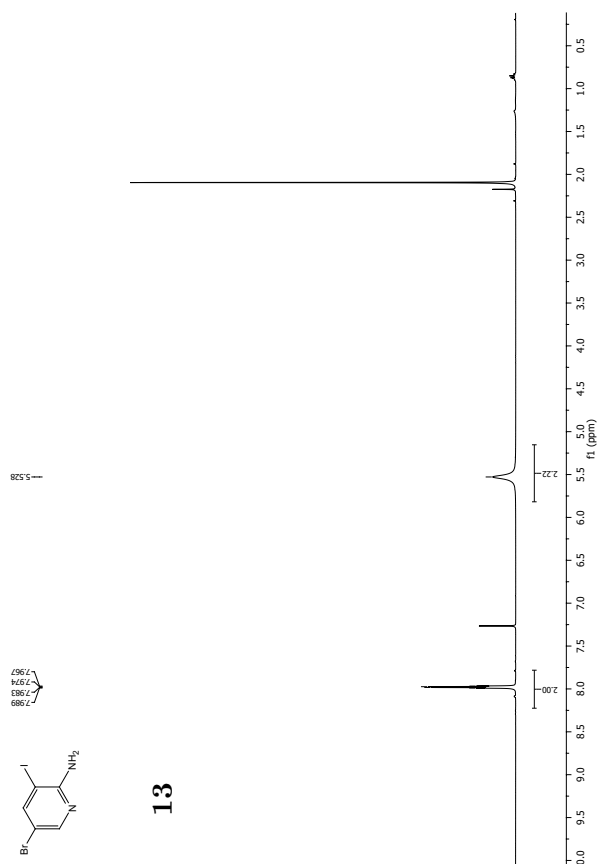


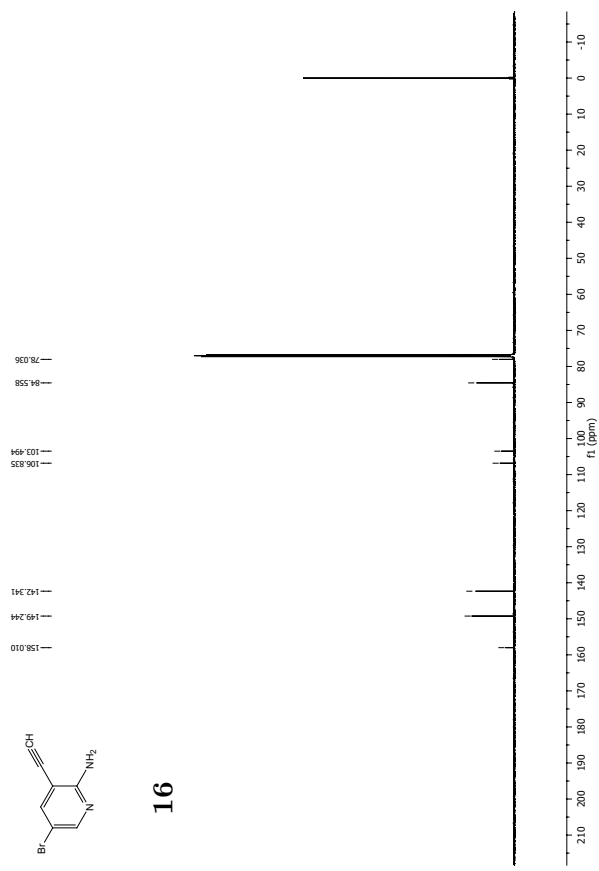
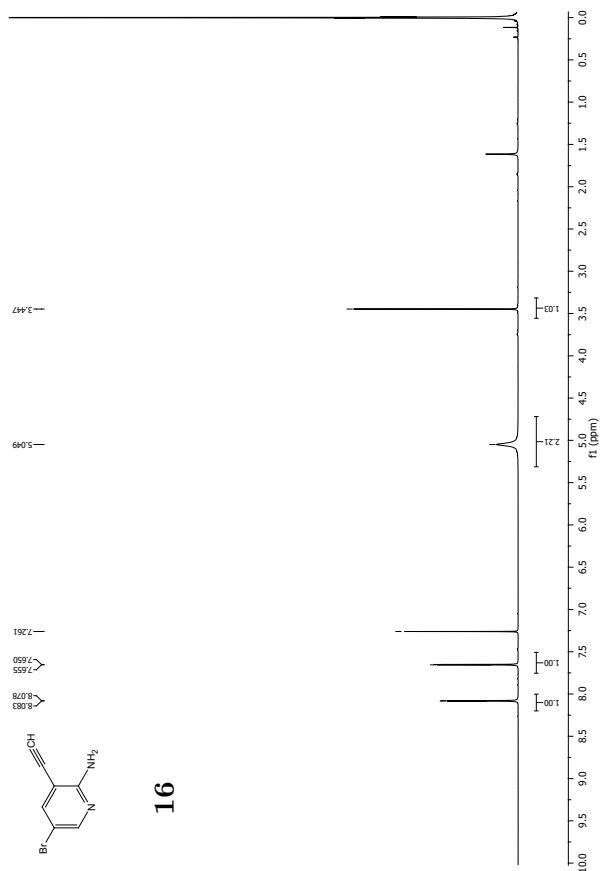


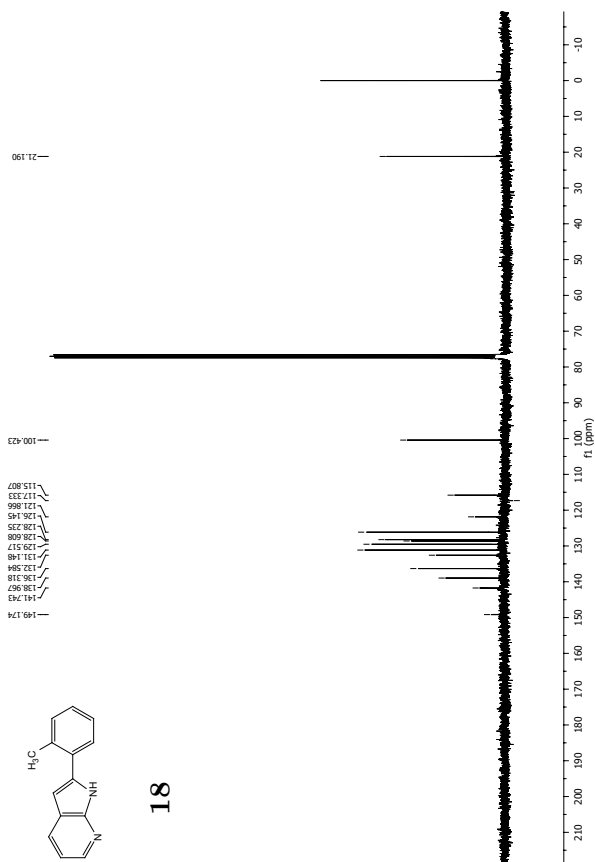
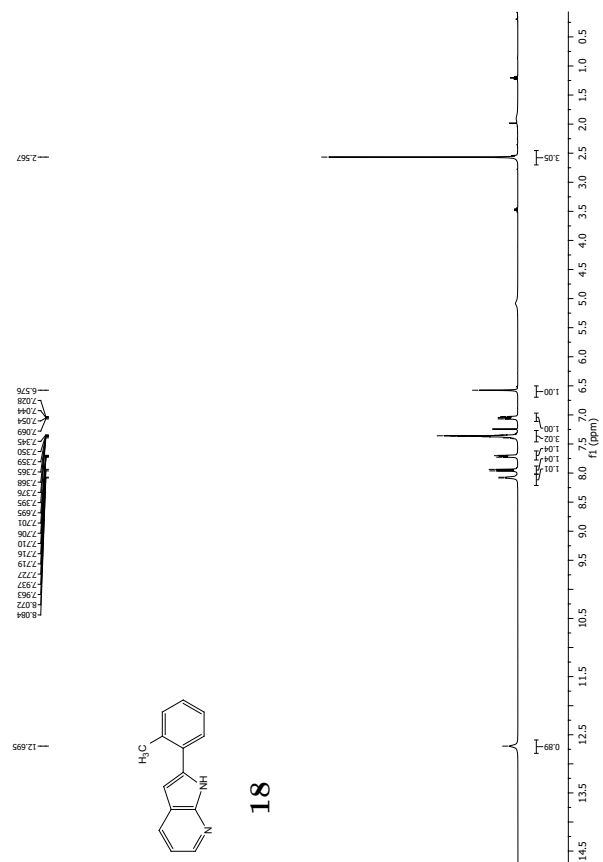
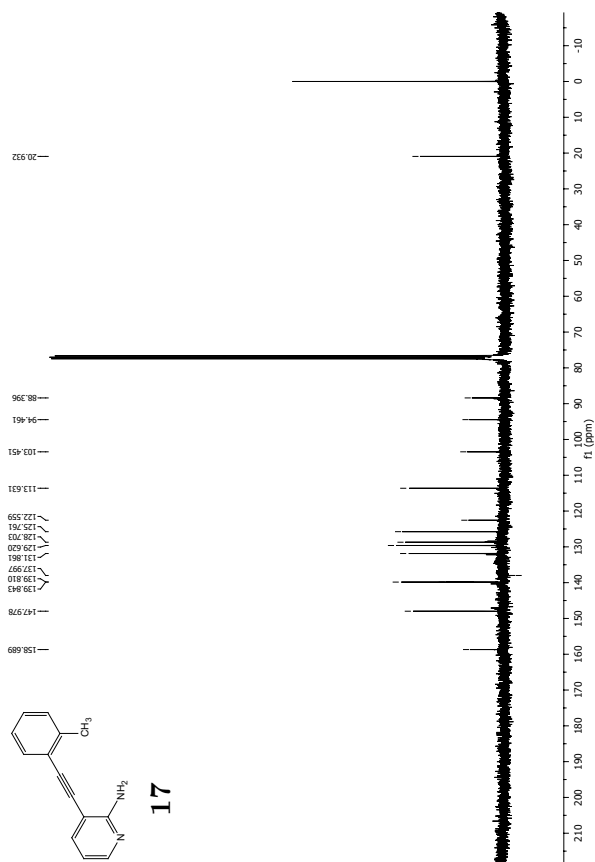
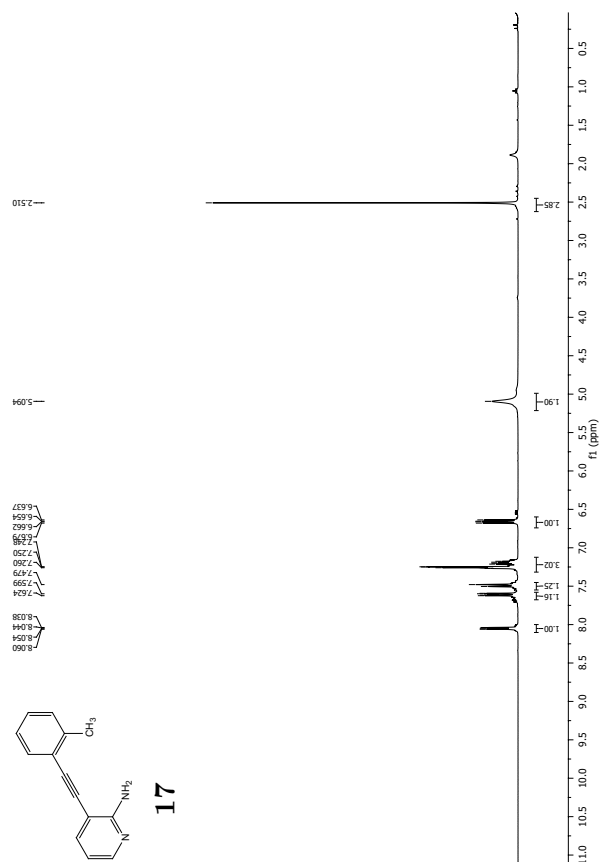


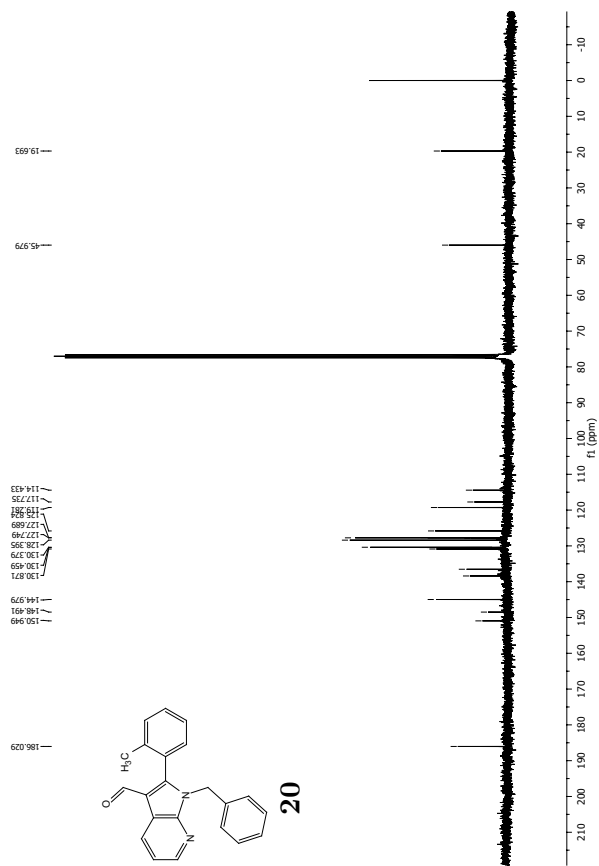
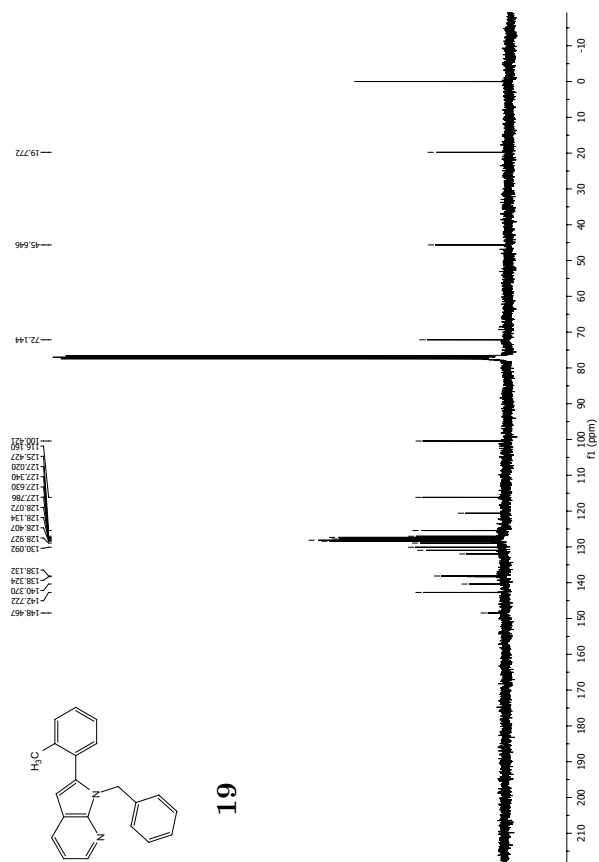


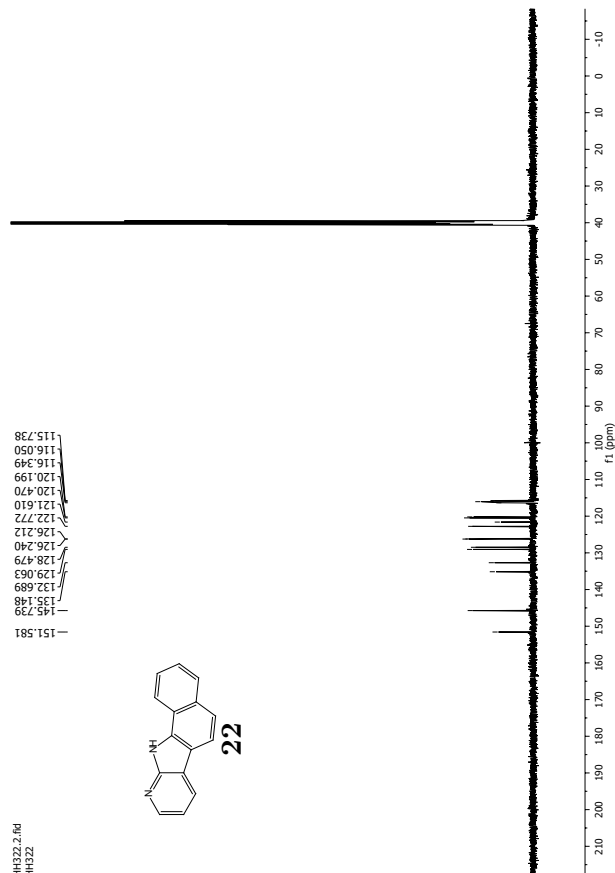
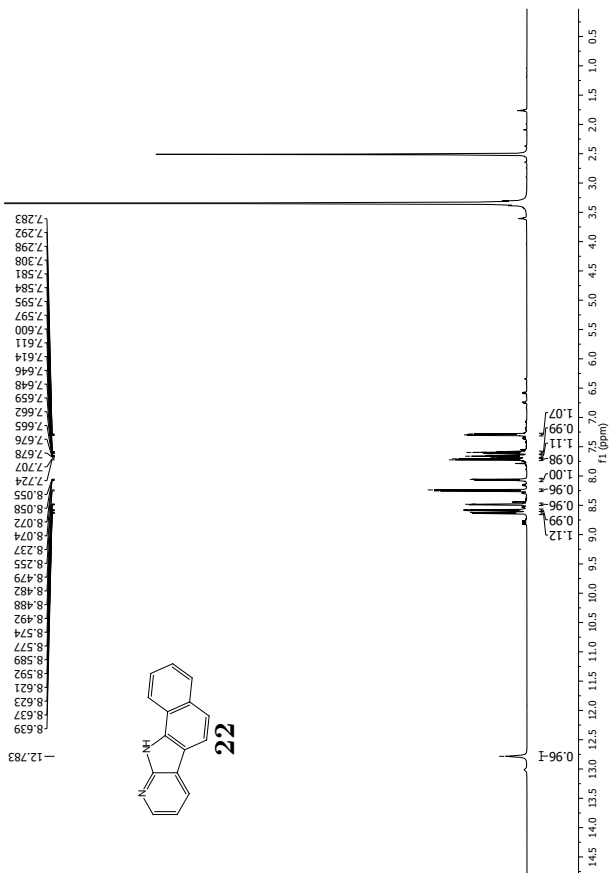
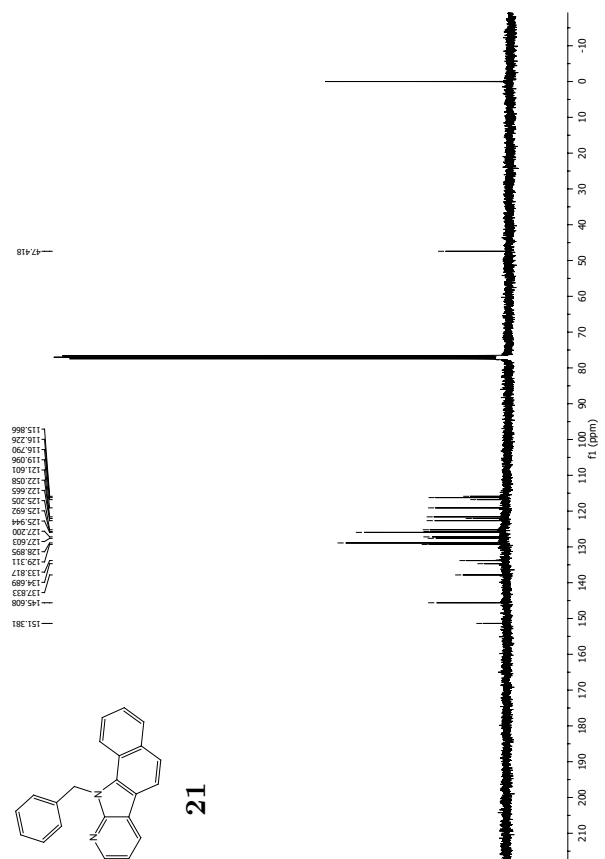
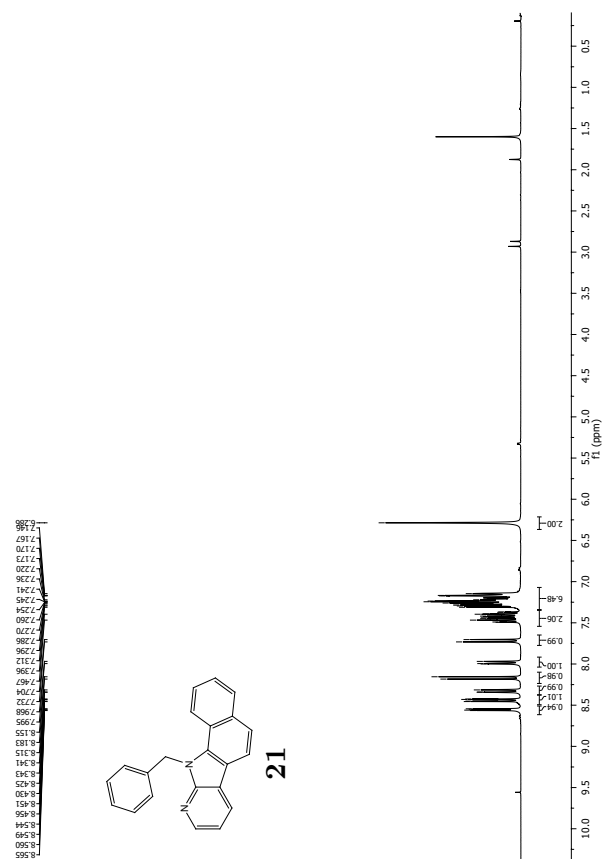


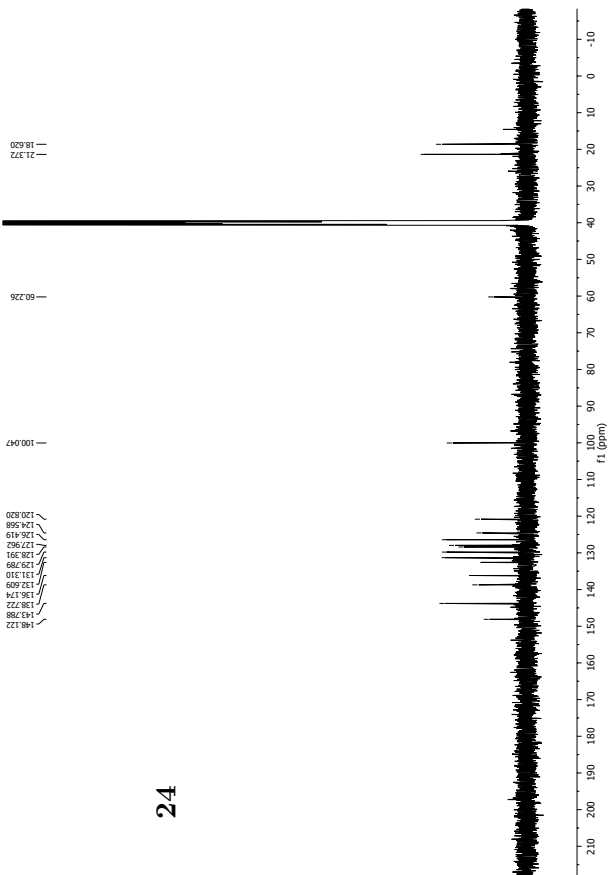
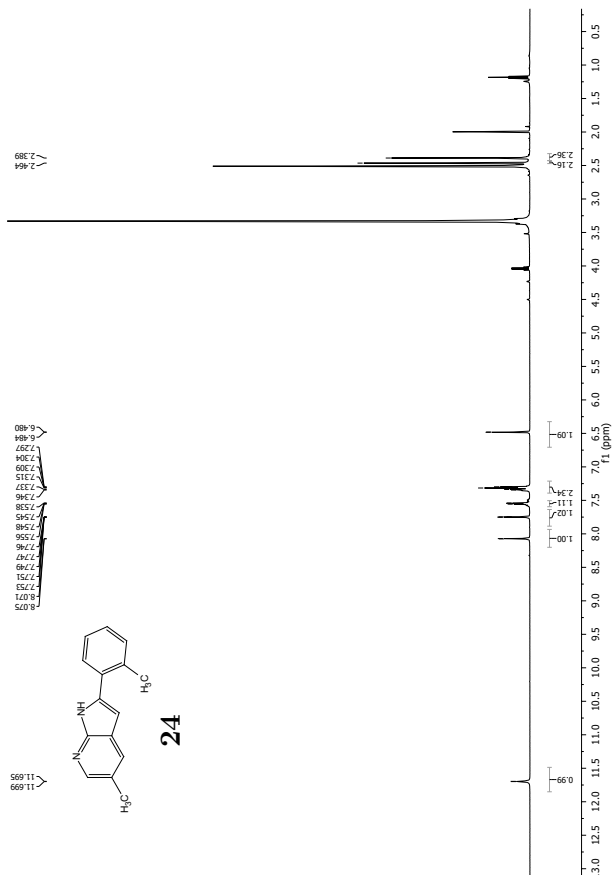
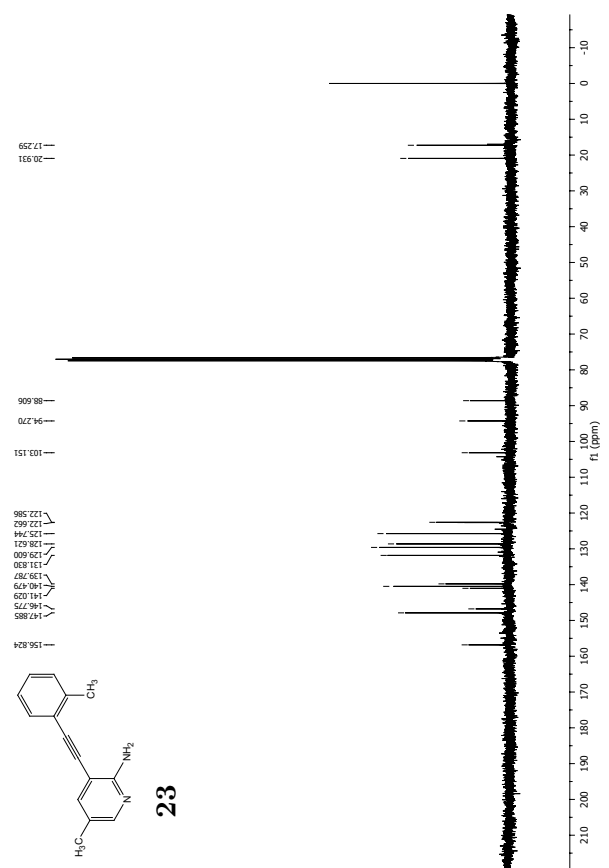
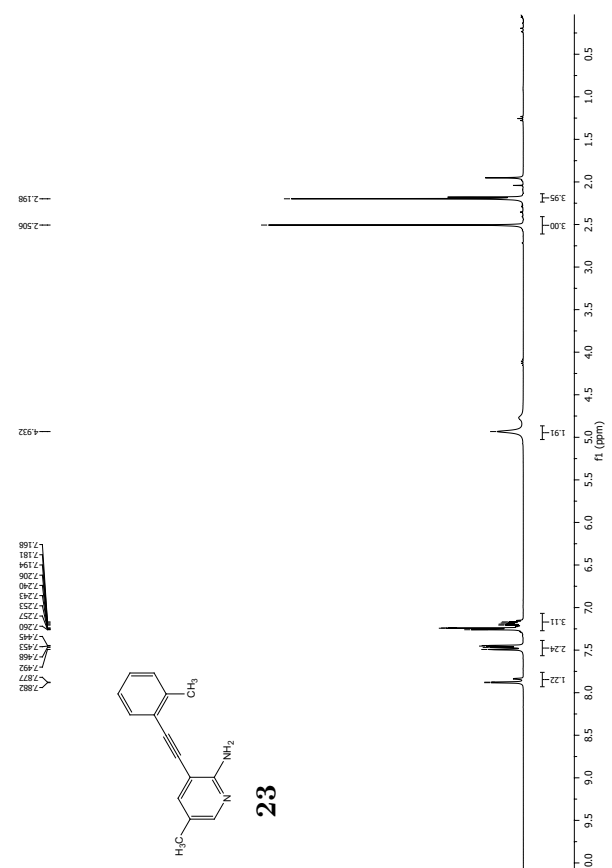


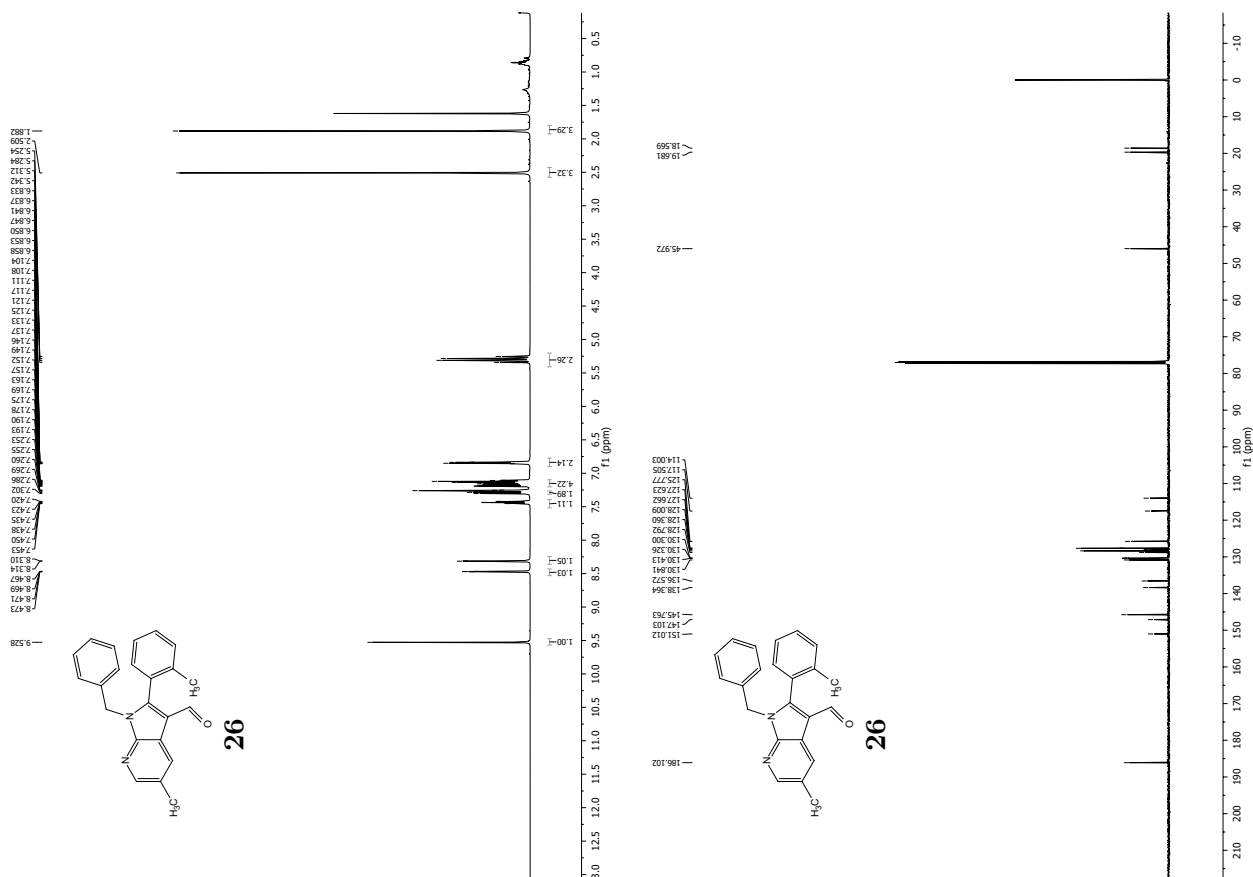
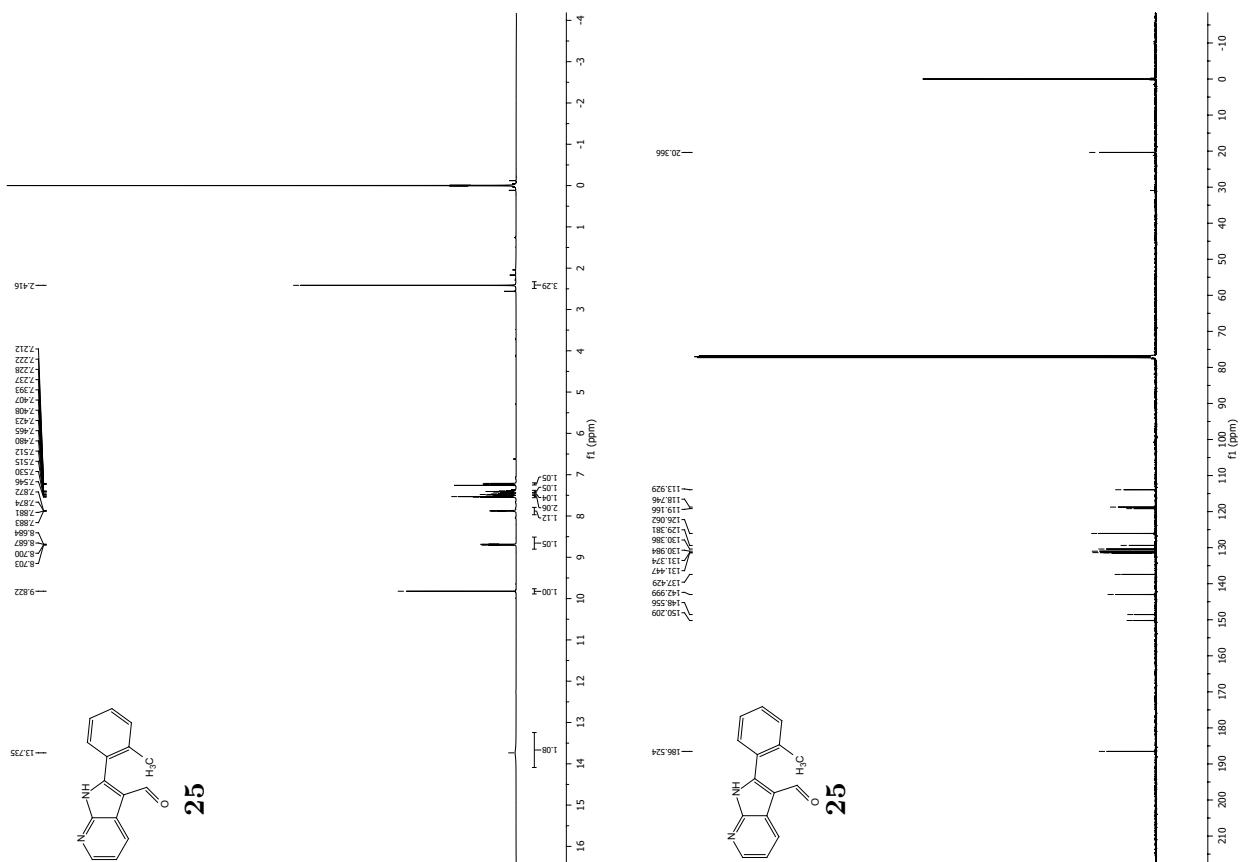


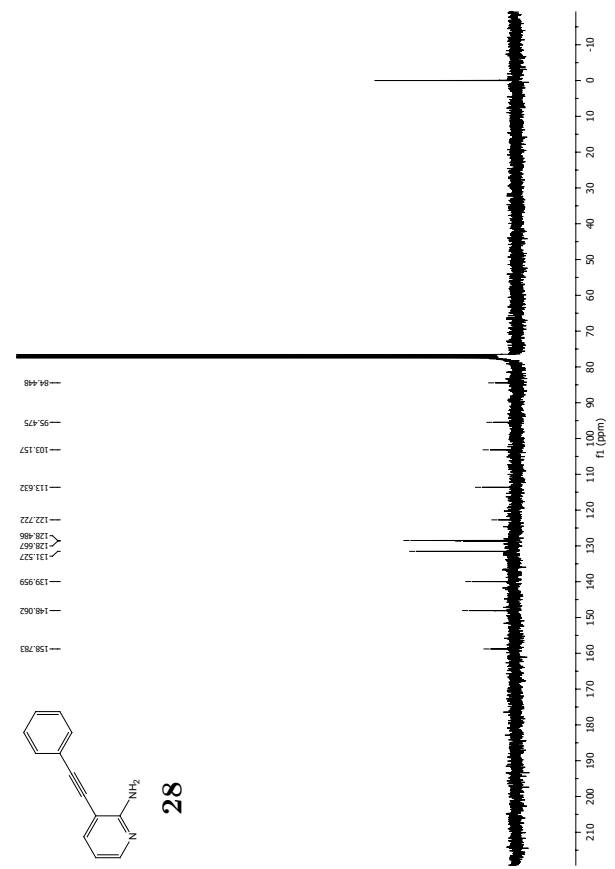
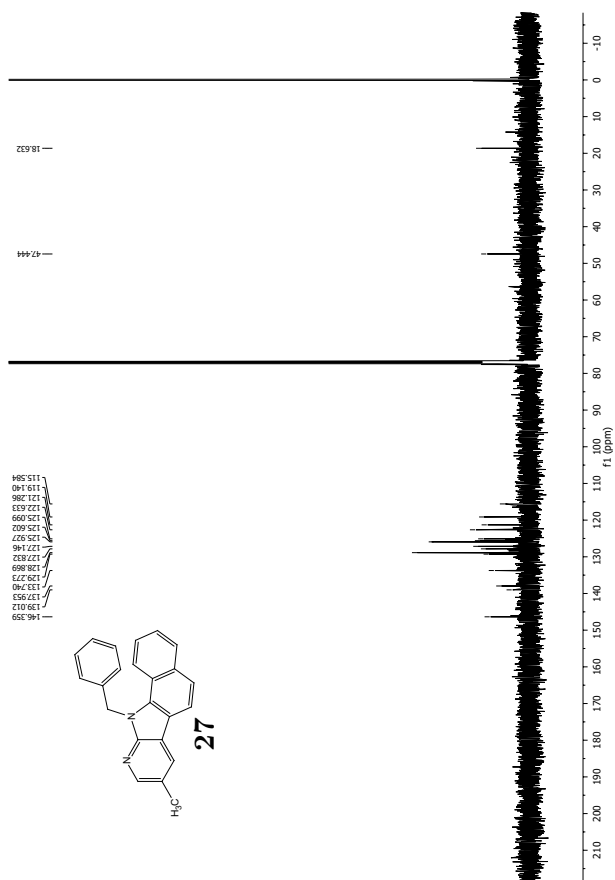


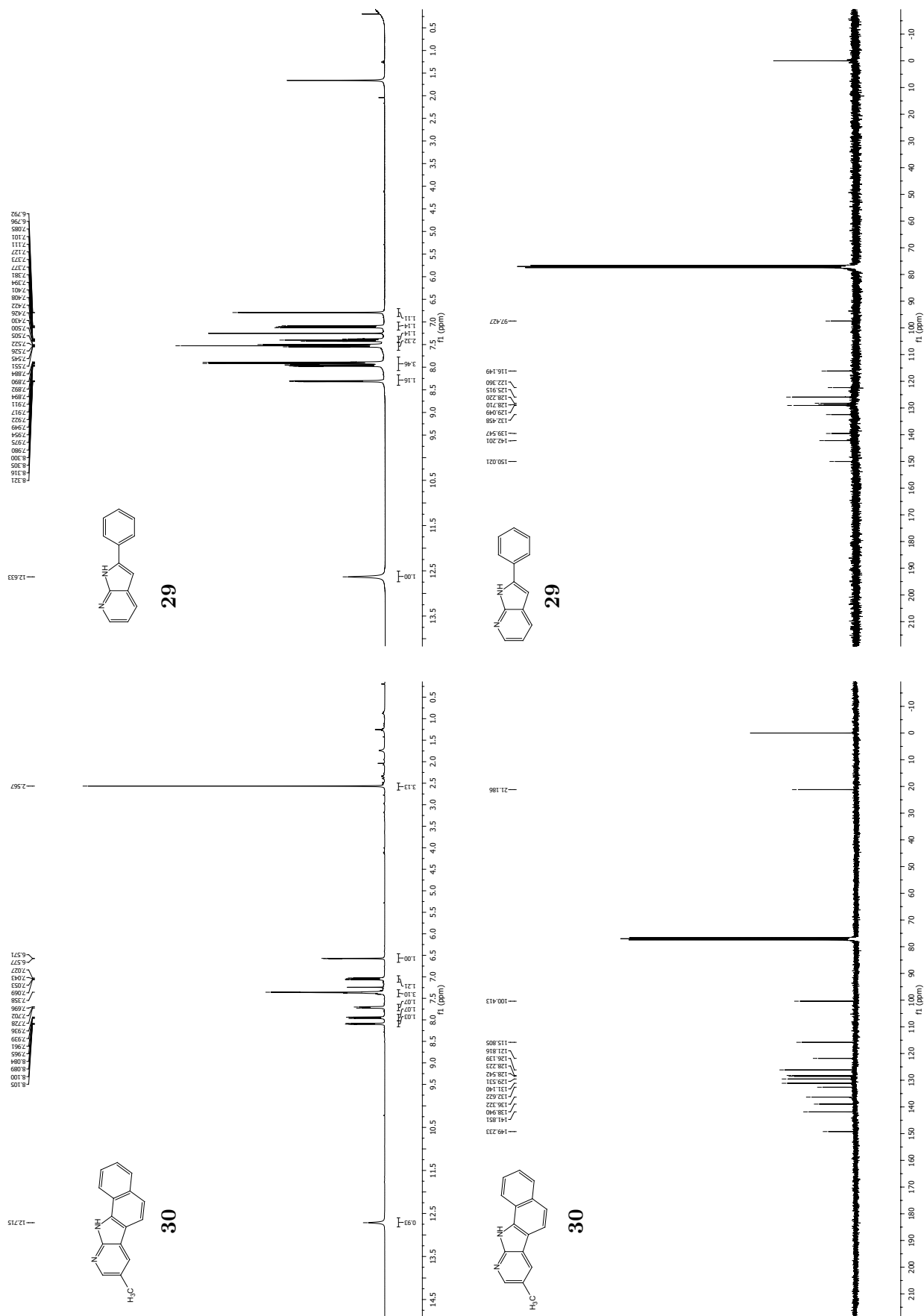


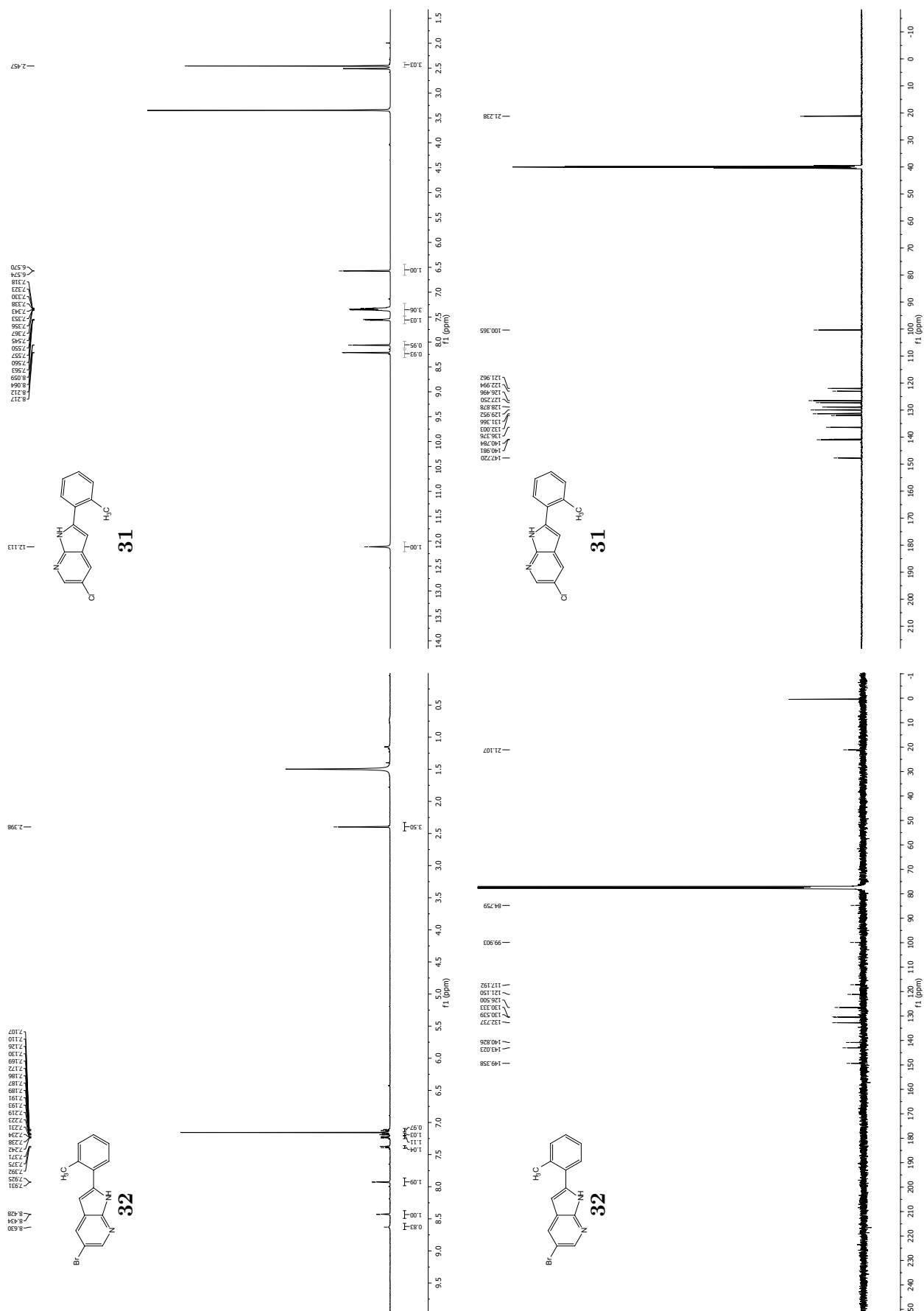


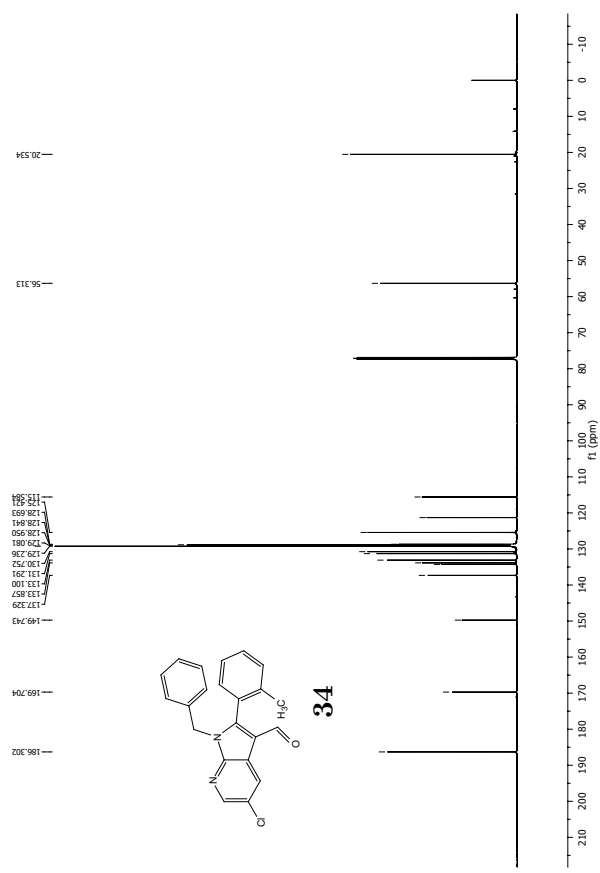
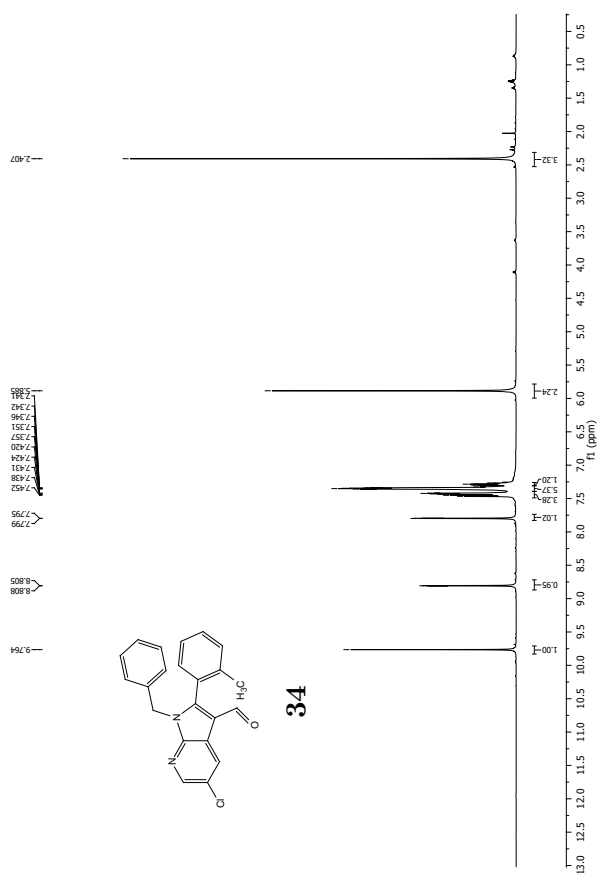
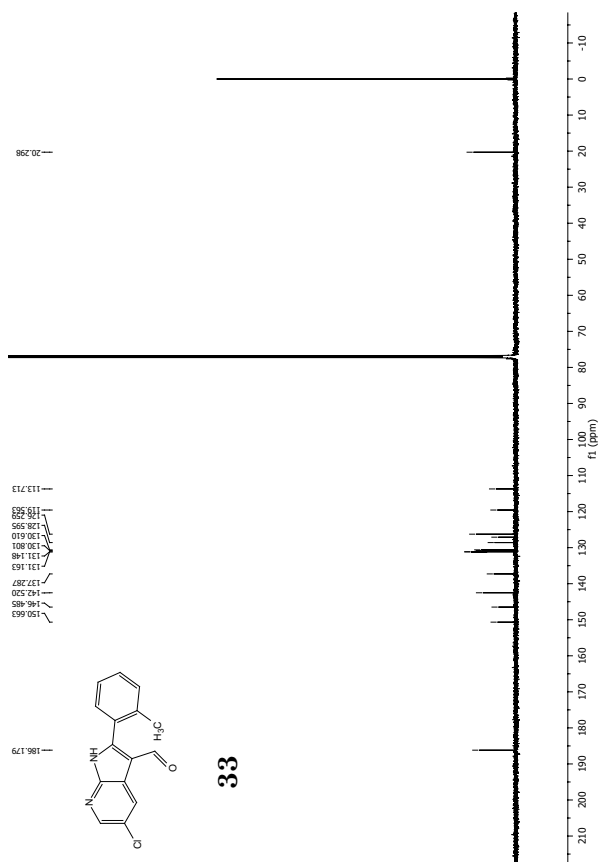
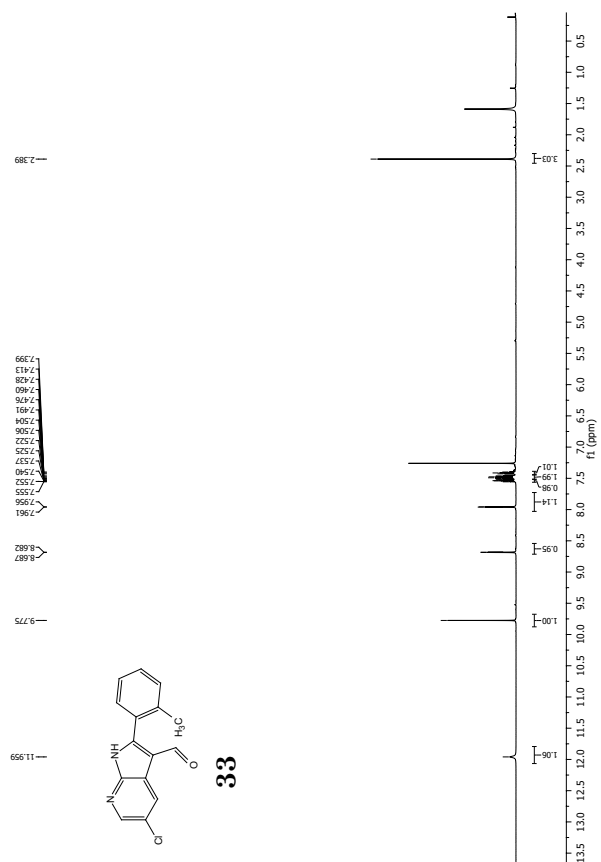


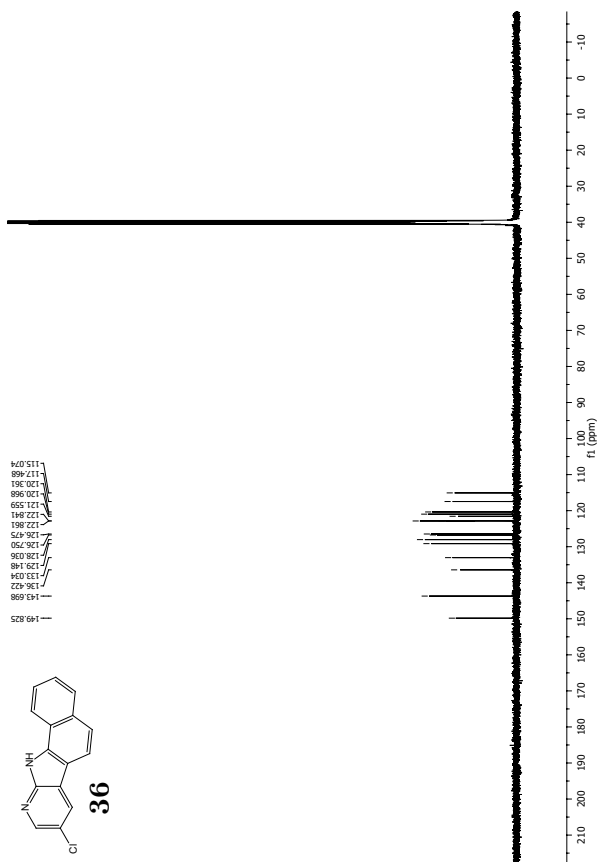
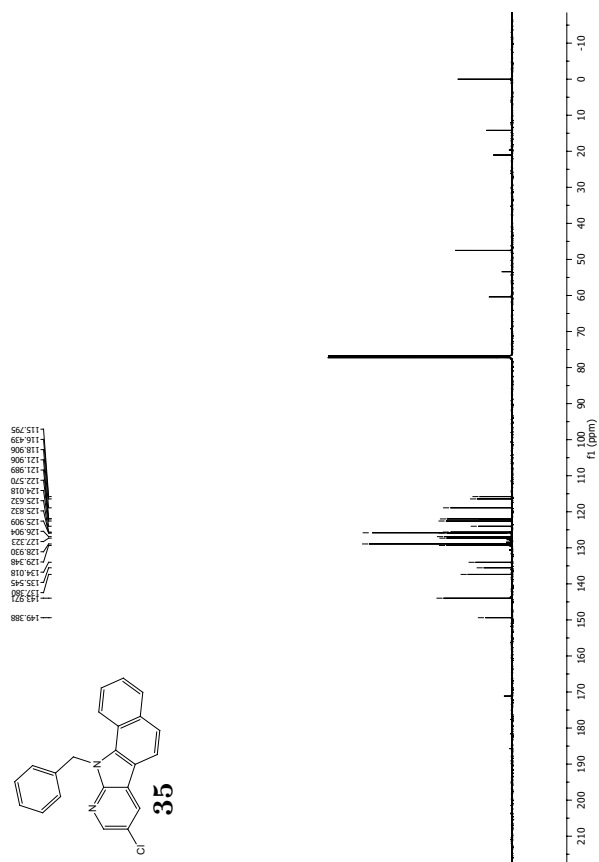


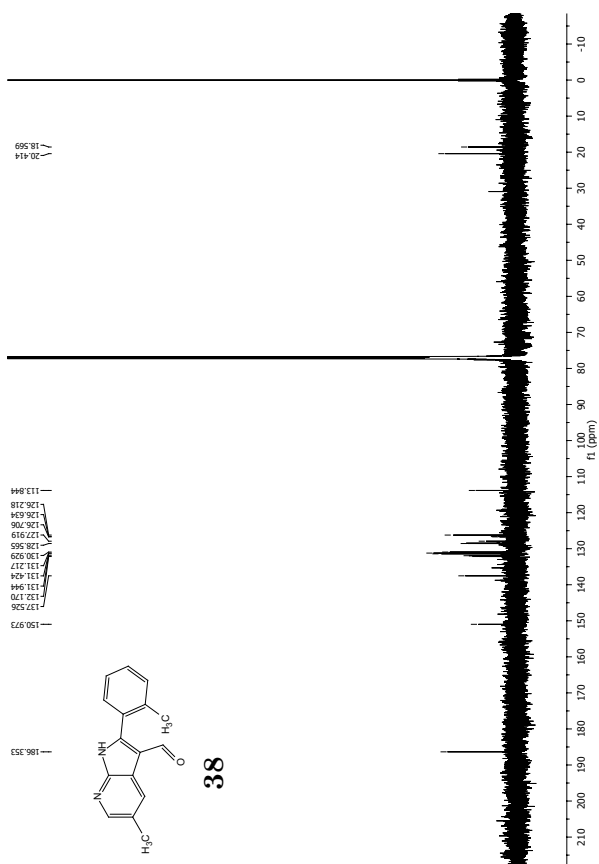
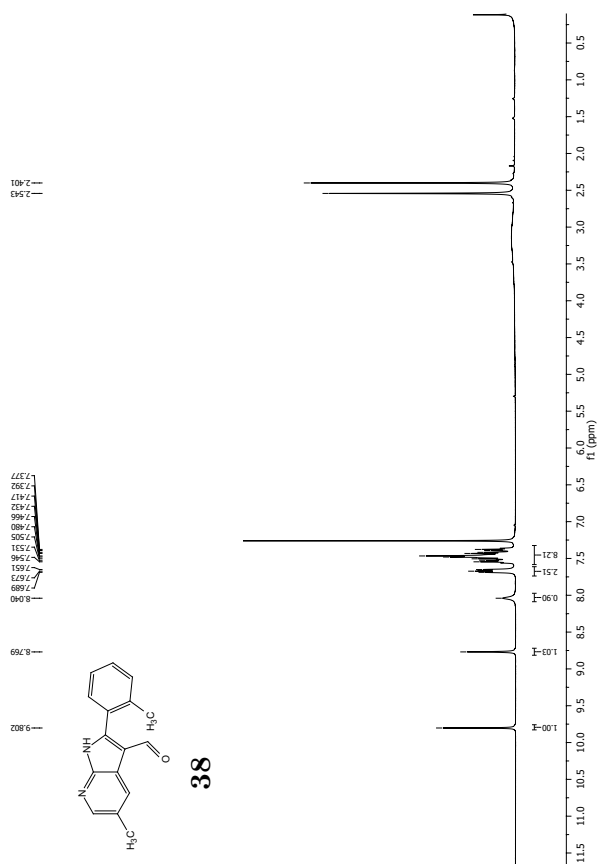
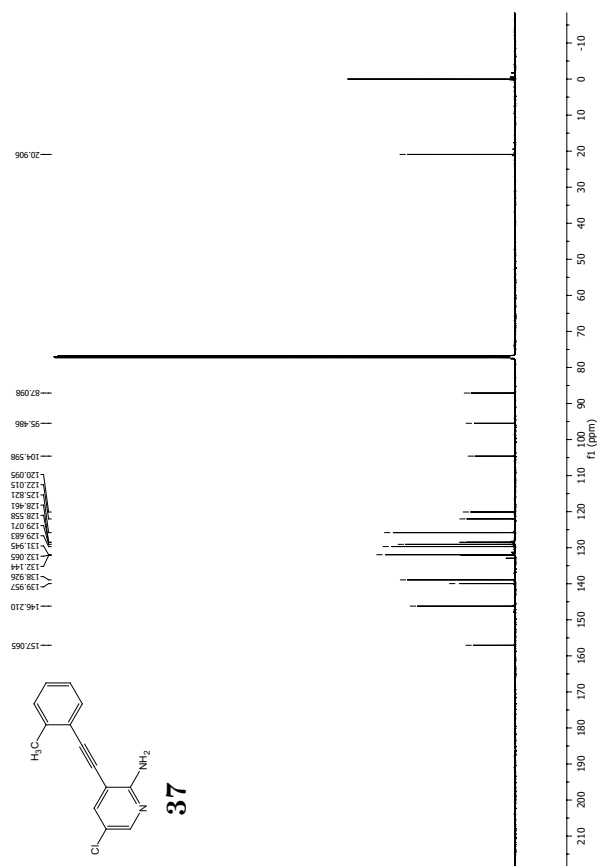
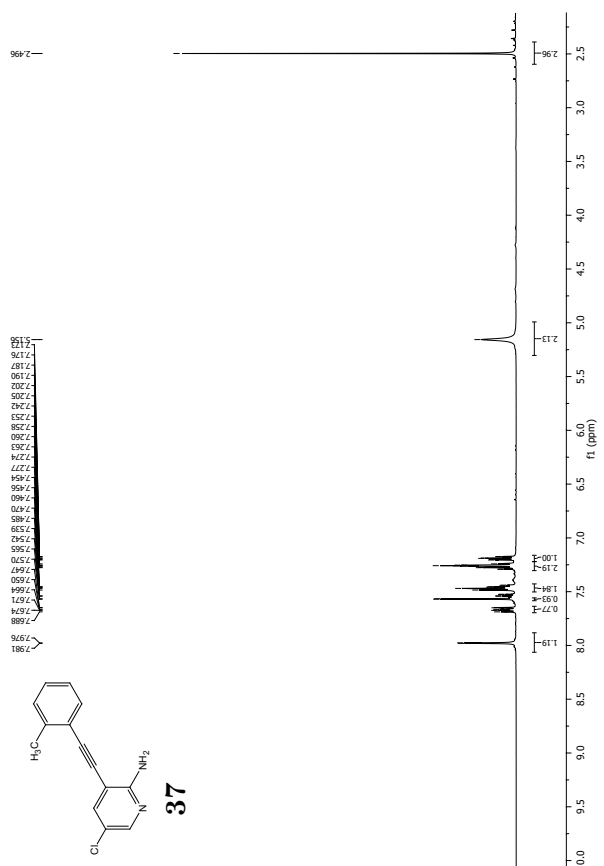


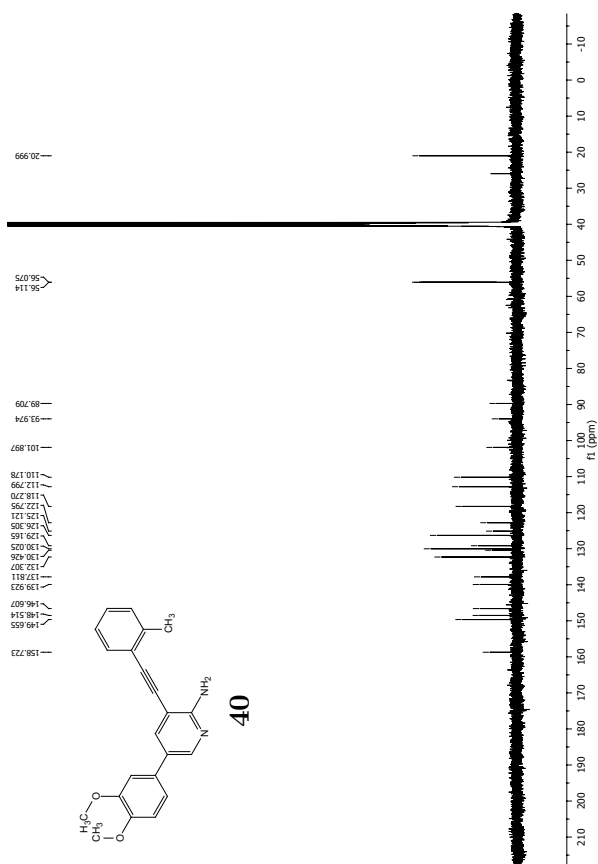
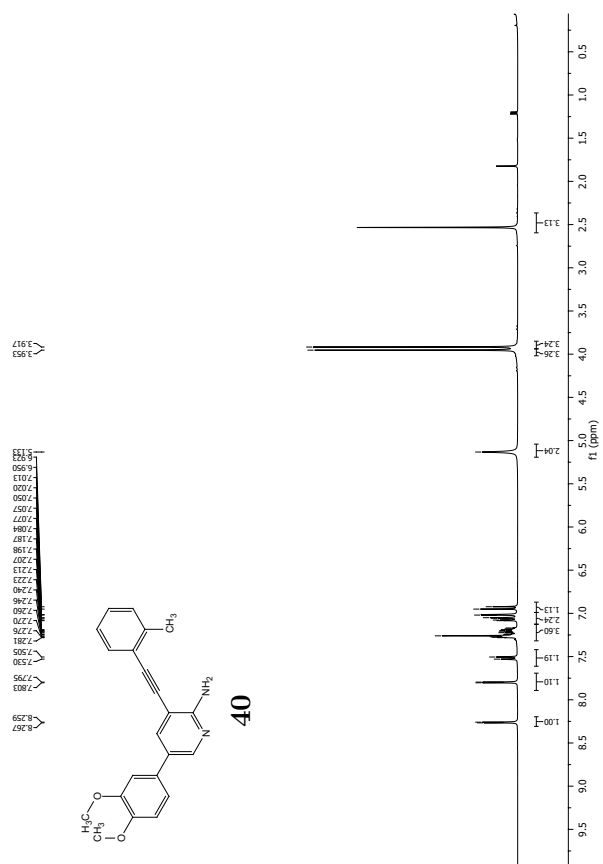
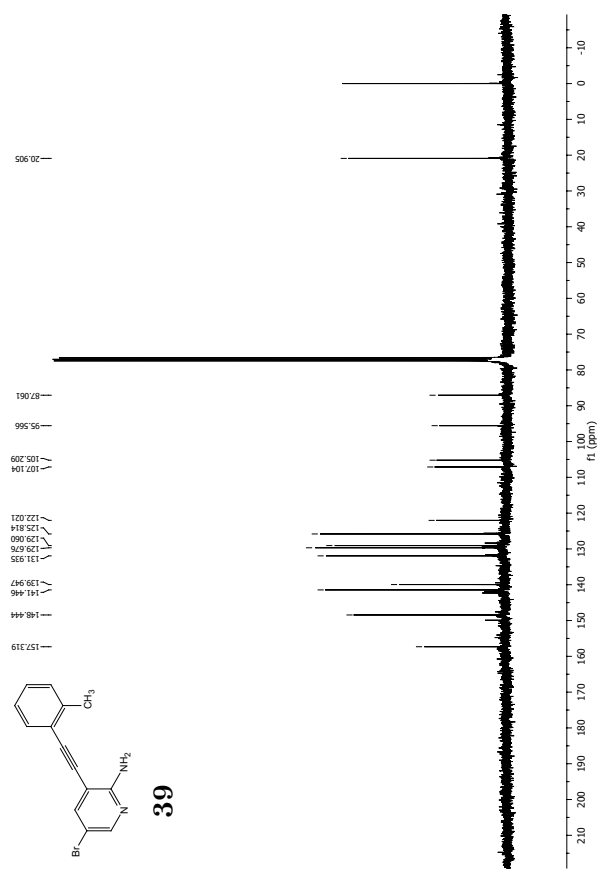
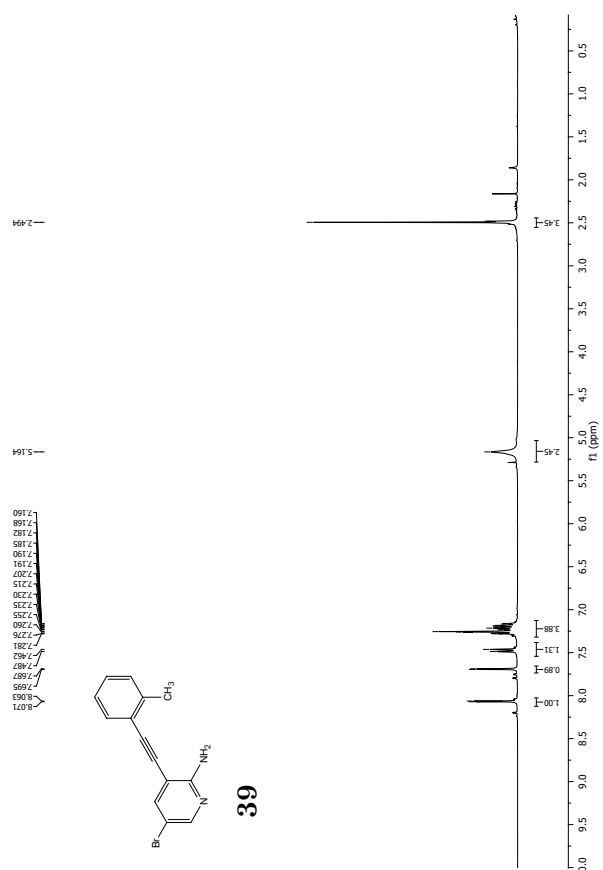


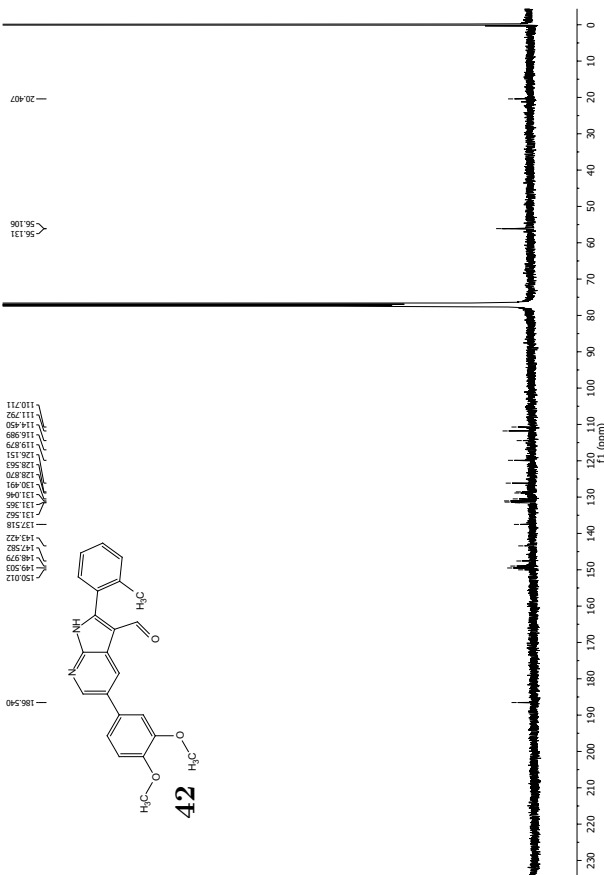
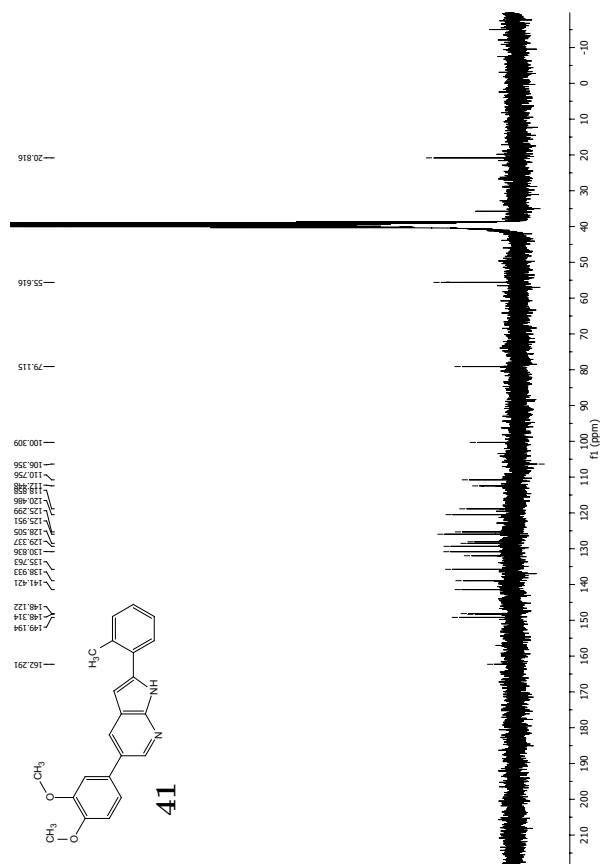


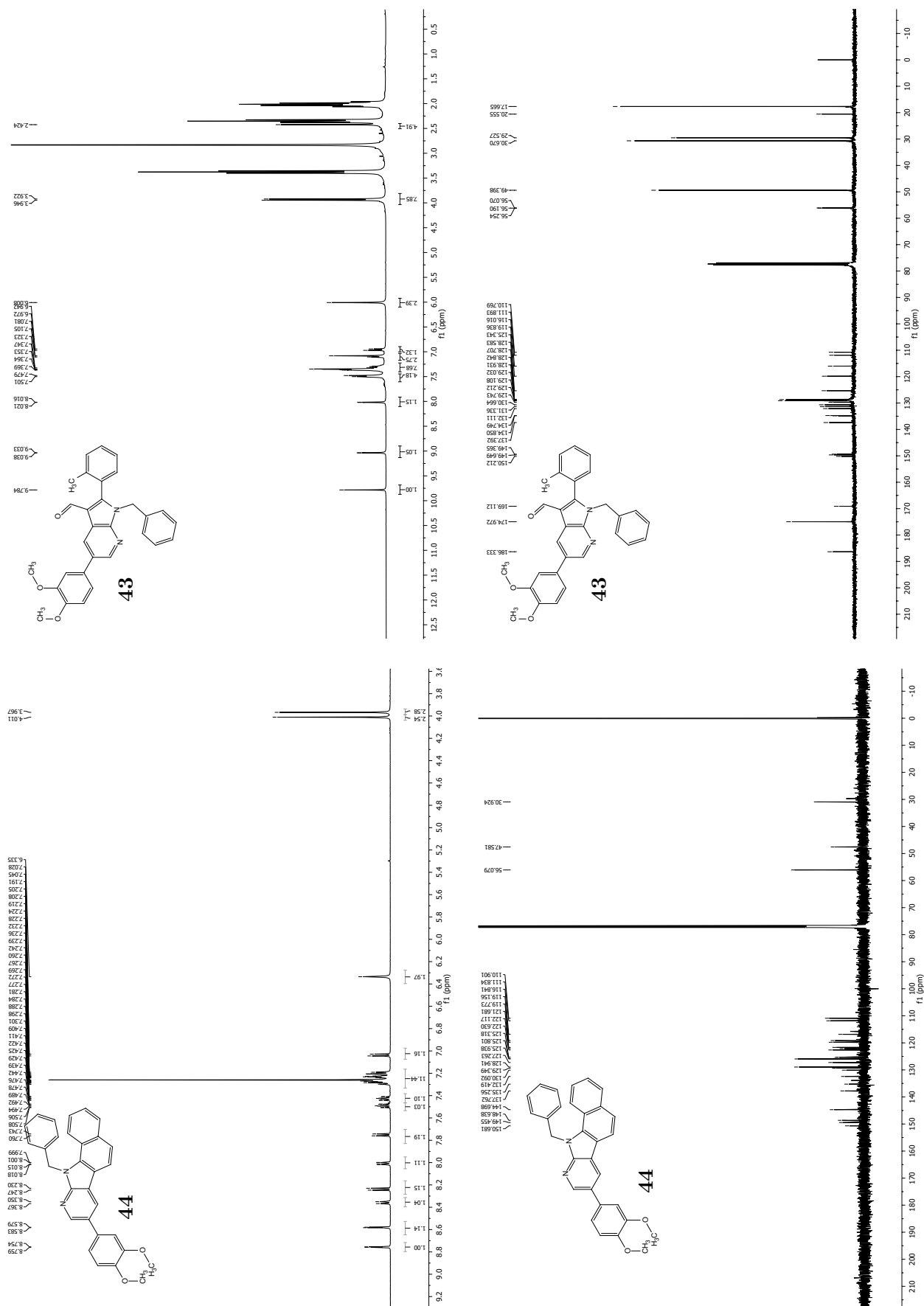


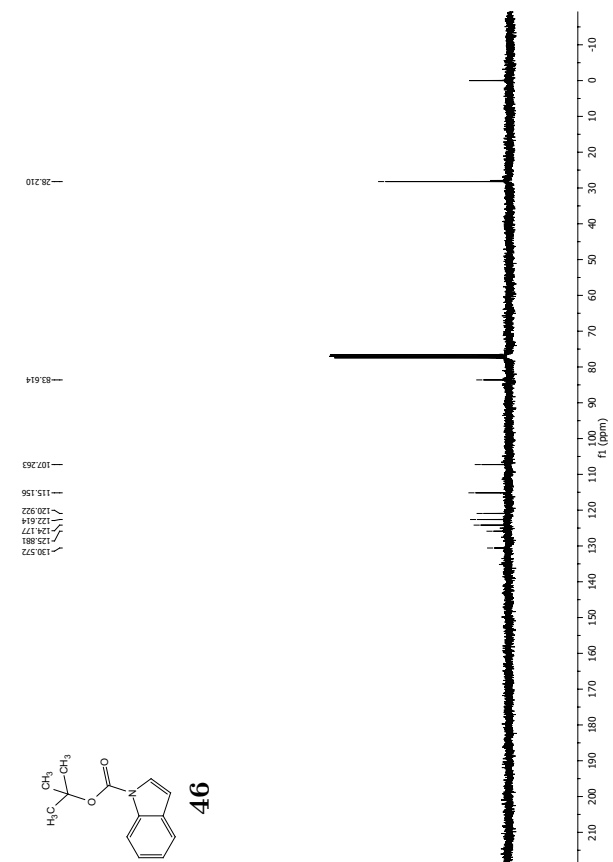
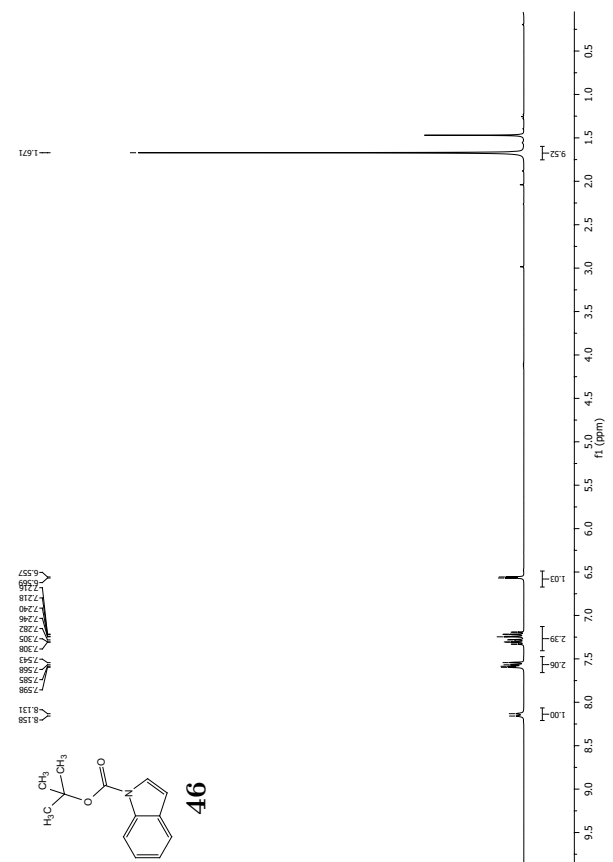
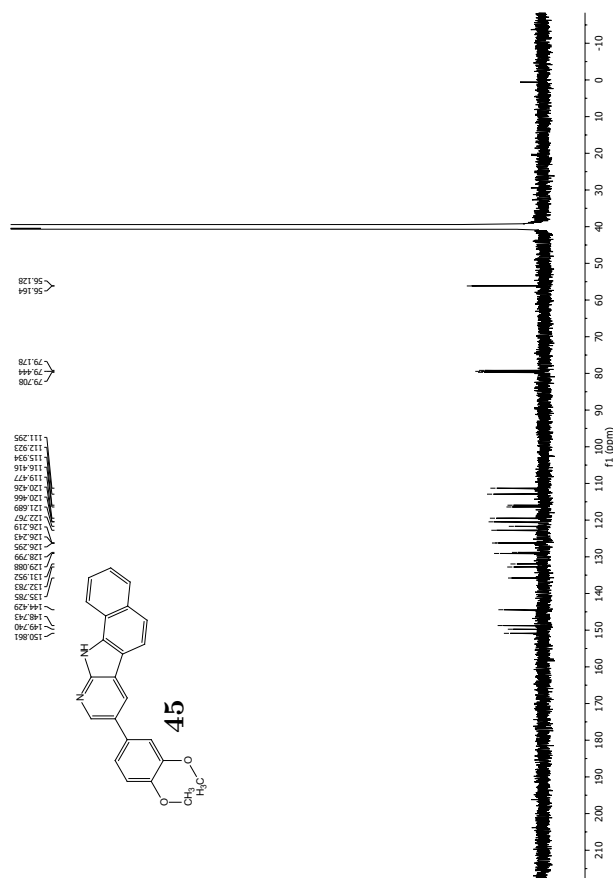
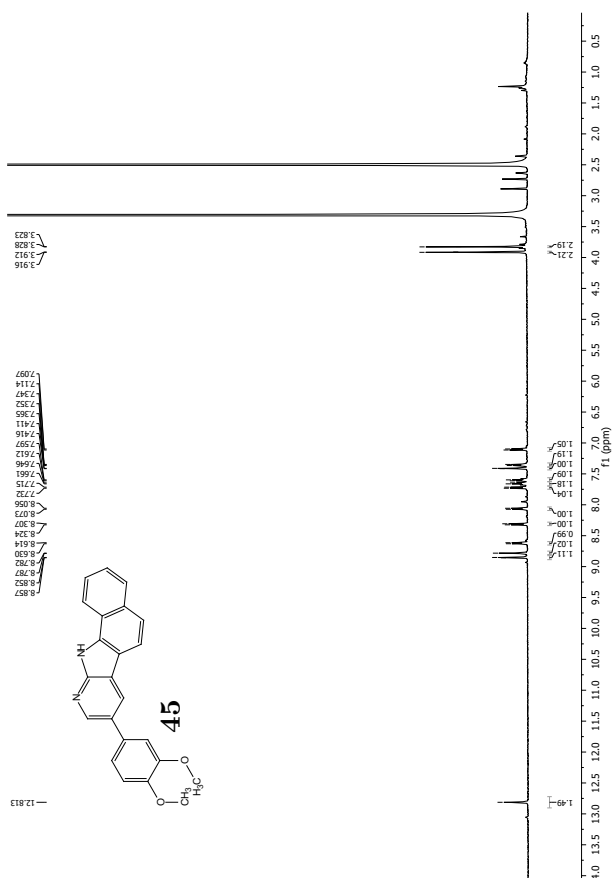


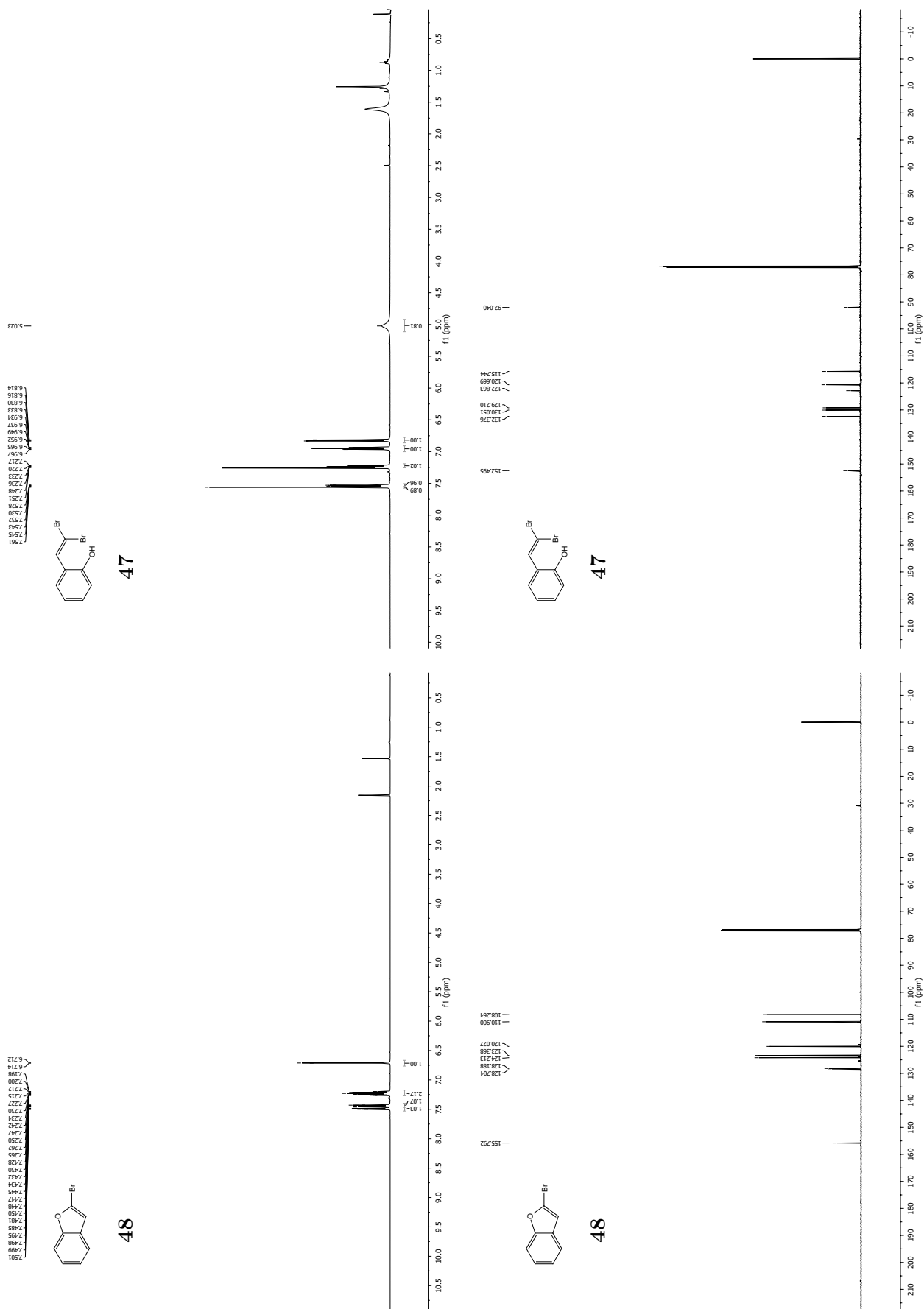


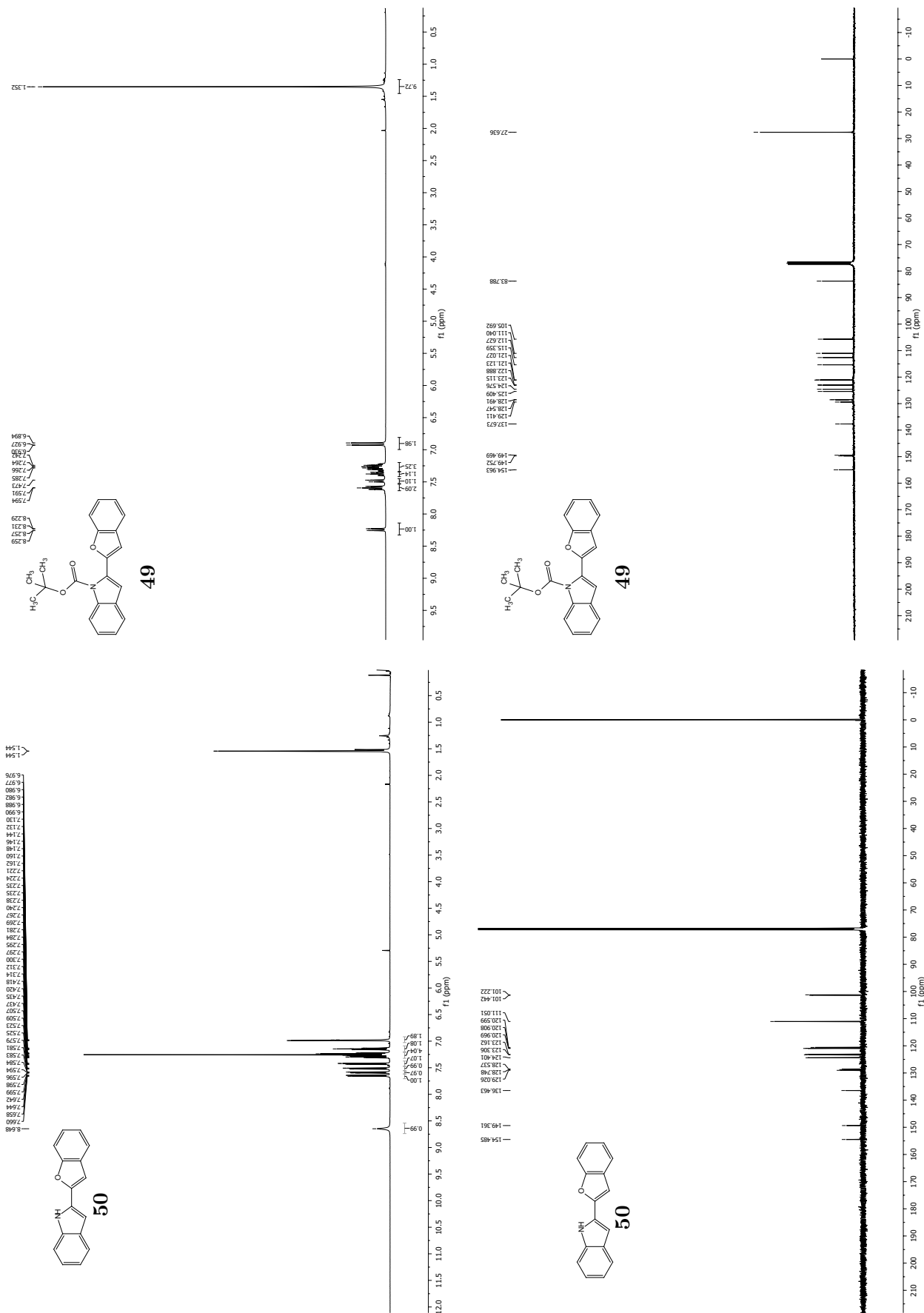


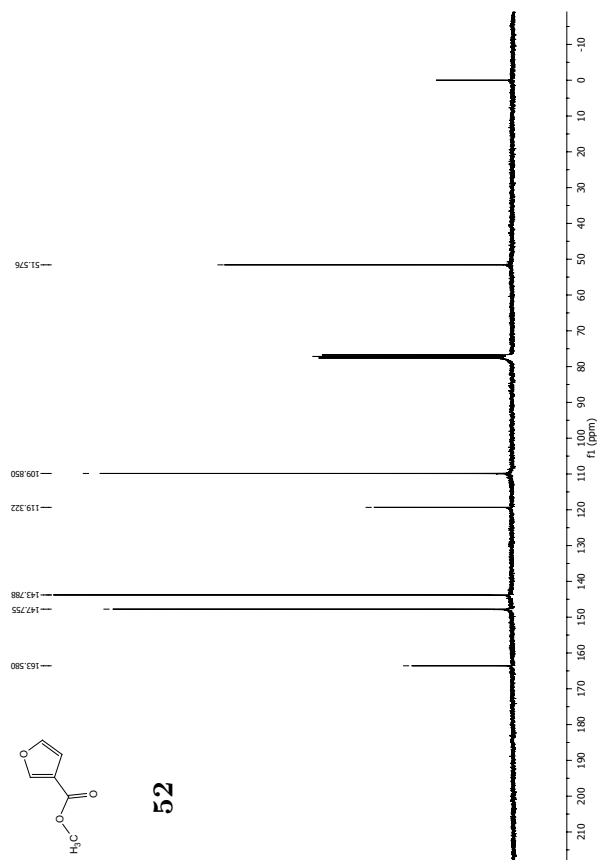
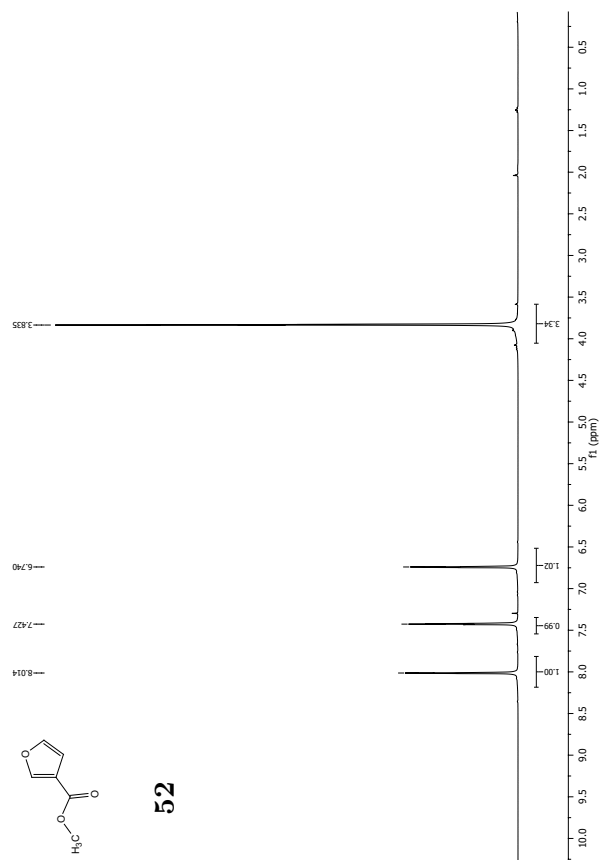
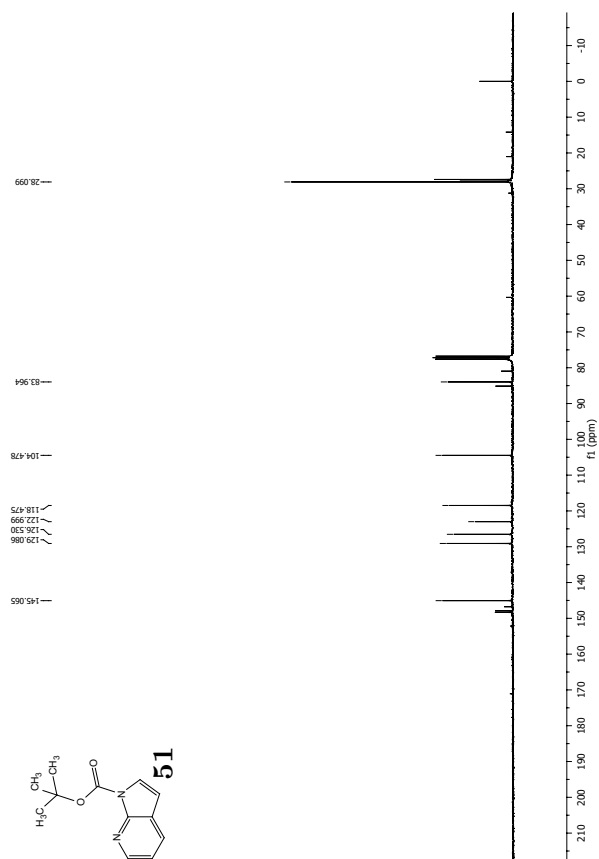
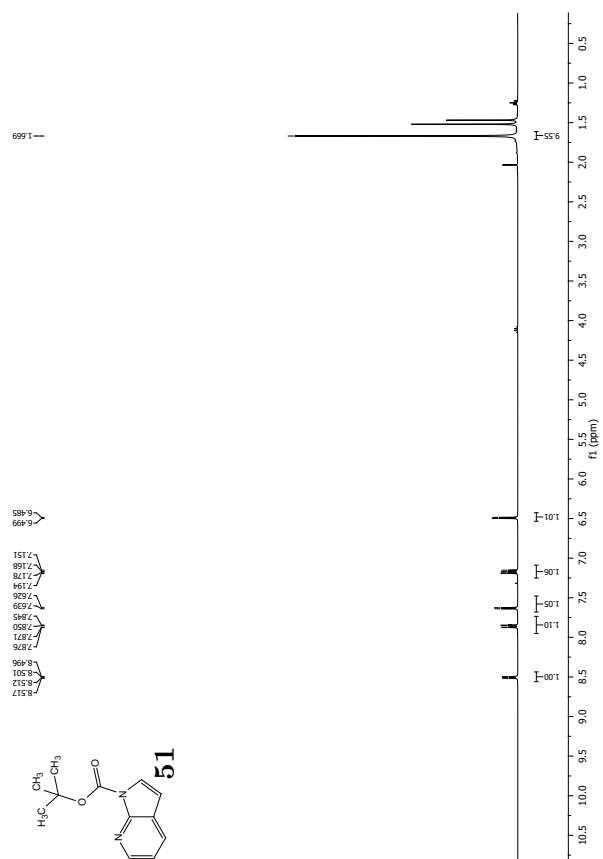


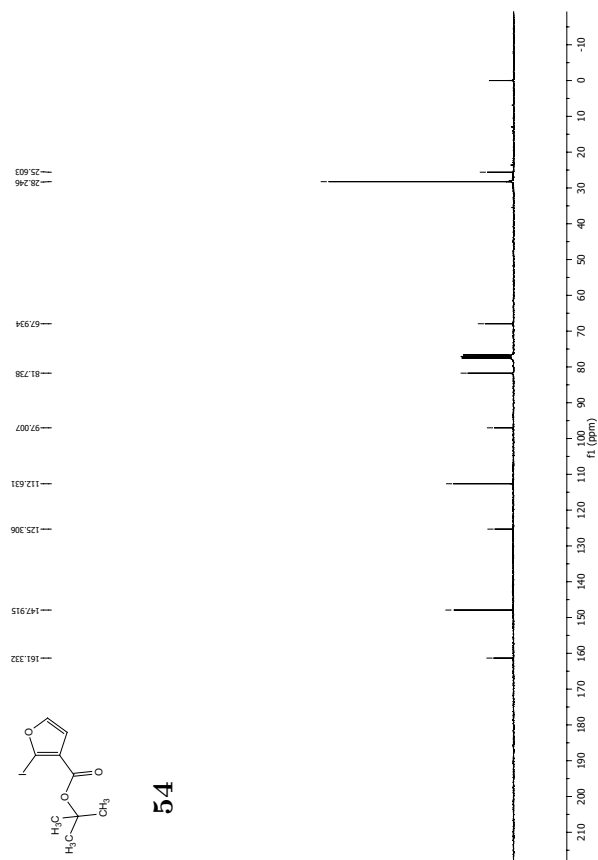
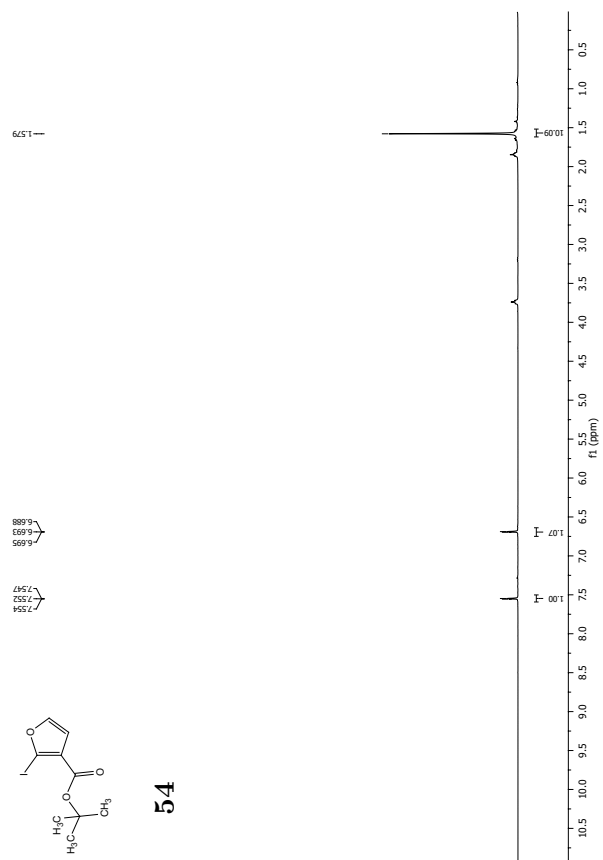
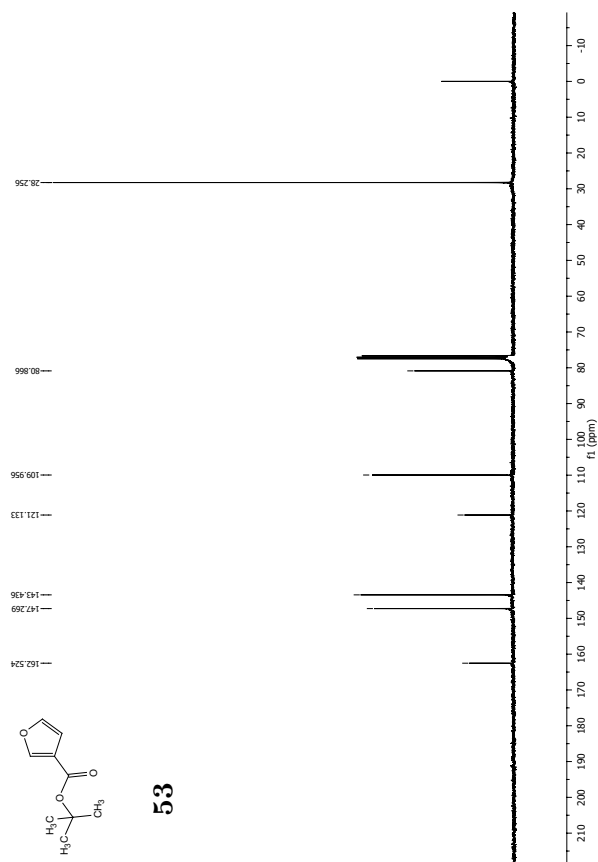
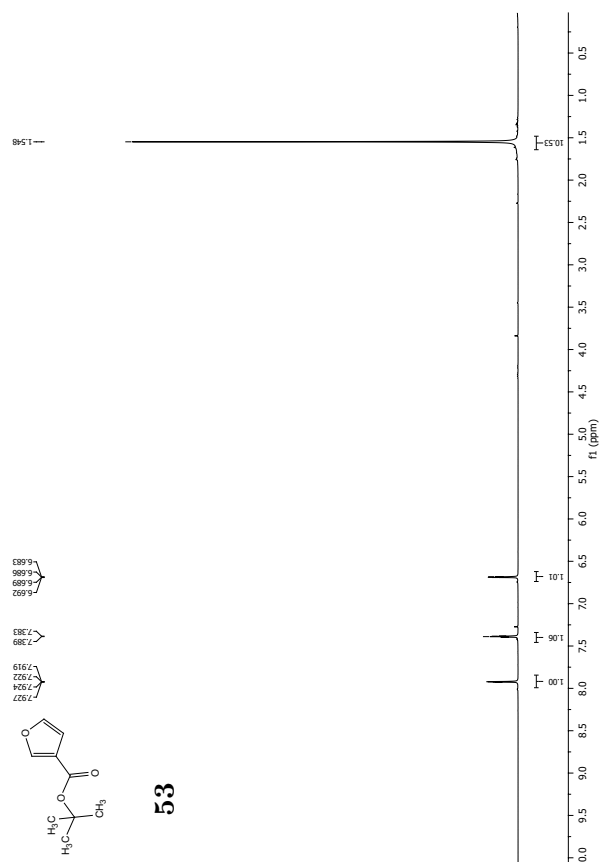


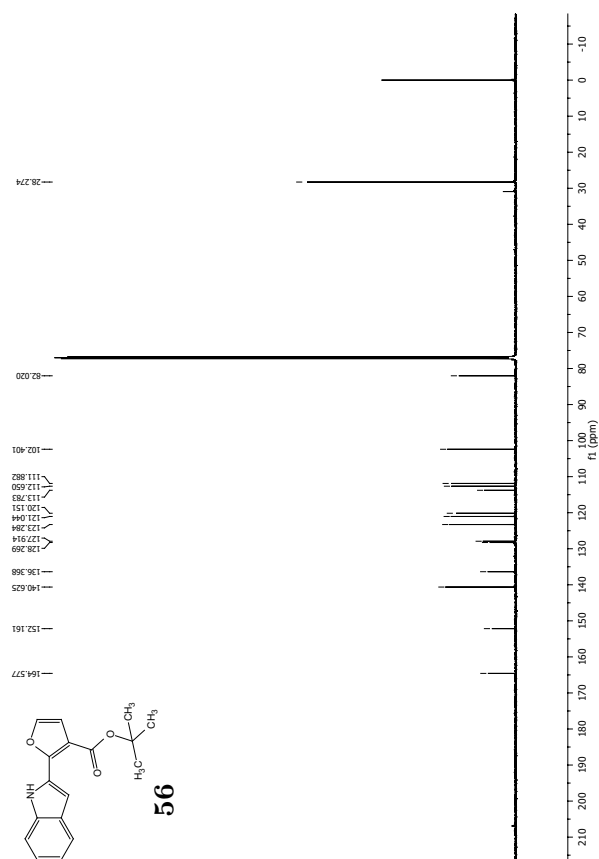
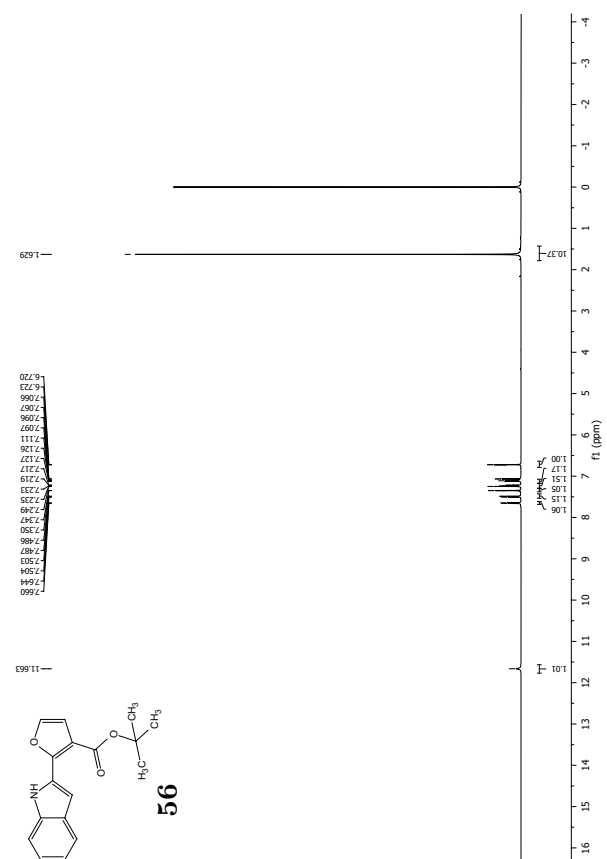
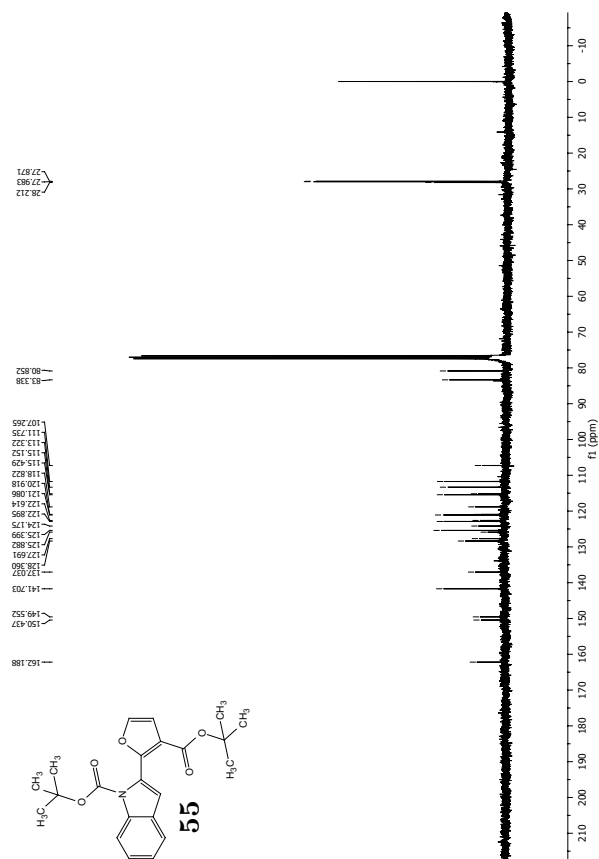
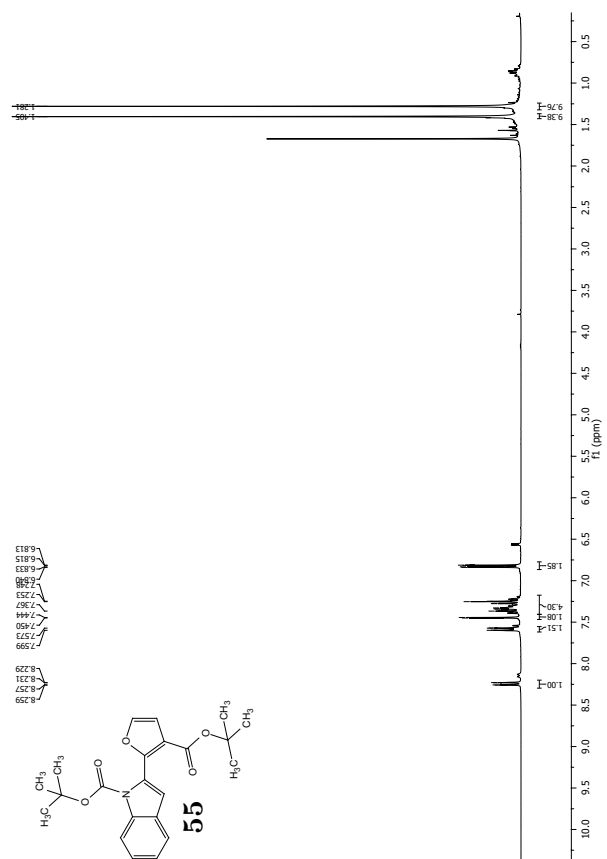


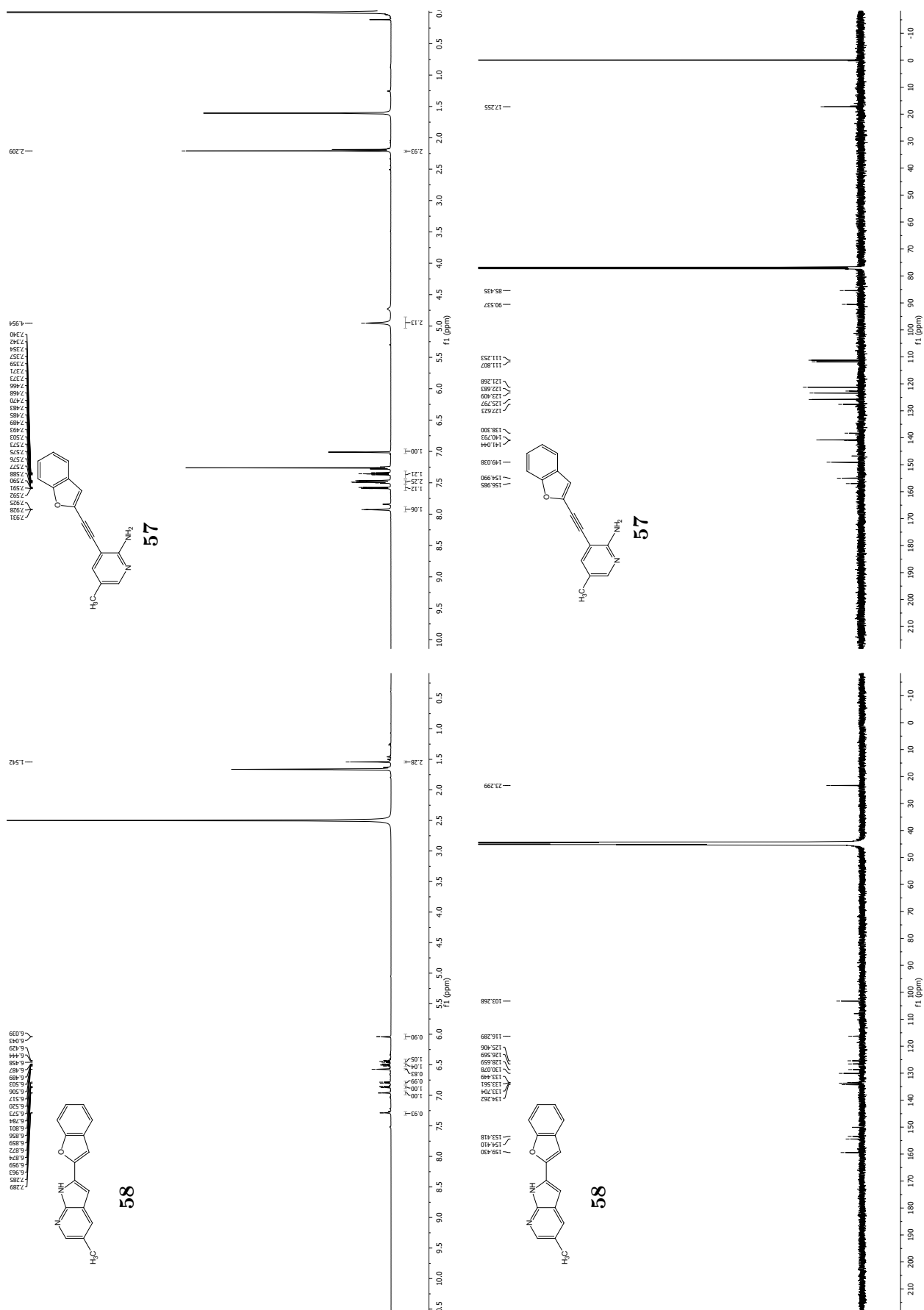


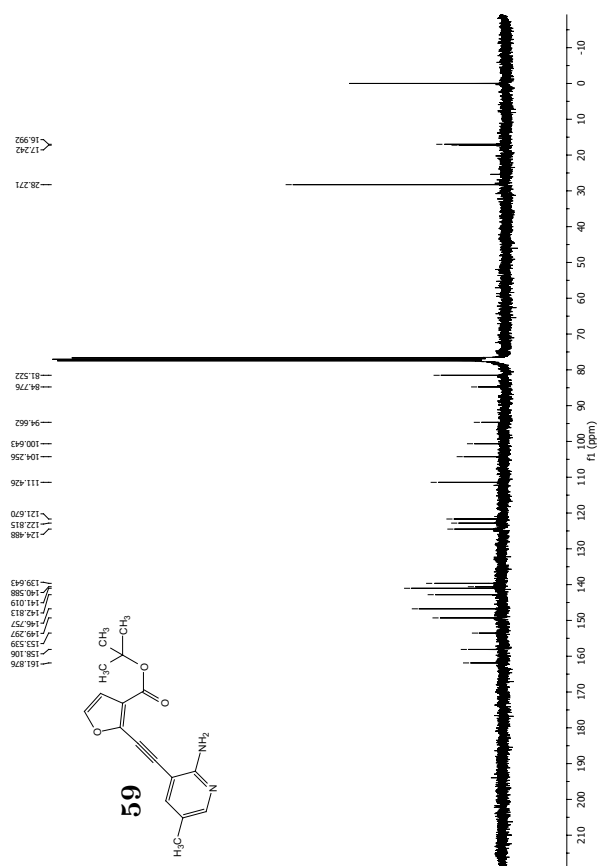






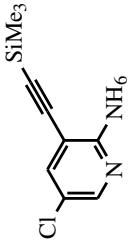
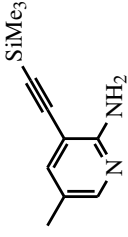
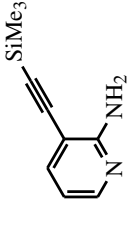
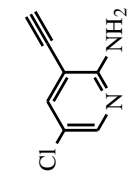
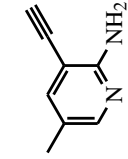
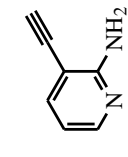






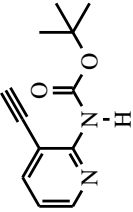
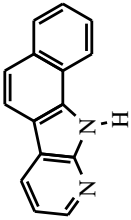
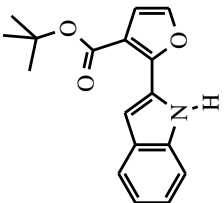
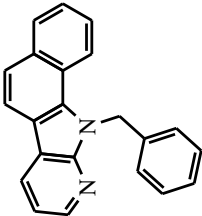
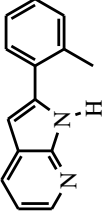
Appendix: Crystallography data

TABLE 1: Collection data of elucidated structures

Compound						
Empirical formula	$C_{10}H_{13}Cl_1N_2Si_1$	$C_{11}H_{16}N_2Si_1$	$C_{10}H_{14}N_2Si_1$	$C_7H_6N_2$	$C_8H_8N_2$	$C_7H_6N_2$
Formula weight	224.76	204.35	190.32	118.14	132.16	118.14
Temperature	173.0(2) K	173.0(10) K	173.0(2) K	173.0(2) K	173.0(2) K	173.0(2) K
Wavelength	0.71073 Å	0.71073 Å	0.71073 Å	0.71073 Å	0.71073 Å	0.71073 Å
Crystal system	Monoclinic	Monoclinic	Monoclinic	Monoclinic	Monoclinic	Monoclinic
Space group	P 21/n	P 21/n	C 2/c	P 21/n	P 21/c	P 21/n
Unit cell dimensions						
a	6.1555(2) Å	5.7804(2) Å		8.1199(2) Å	15.4791(4) Å	8.1199(2) Å
b	20.9072(6) Å	19.1377(6) Å	7.8254(2) Å	6.3376(2) Å	8.8958(2) Å	6.3376(2) Å
c	9.4985(3) Å	10.7436(3) Å	14.5560(4) Å	12.4126(3) Å	11.1615(3) Å	12.4126(3) Å
α	90°	90°	90°	90°	90°	90°
β	95.4480(10)°	92.805(2)°	108.7830(10)°	102.9350(10)°	111.007(2)°	102.9350(10)°
γ	90°	90°	90°	90°	90°	90°
Volume	1216.88(7) Å ³	1187.07(6) Å ³	2241.08(10) Å ³	622.55(3) Å ³	1434.78(7) Å ³	622.55(3) Å ³
Z	4	4	8	4	8	4
Density (calculated)	1.227 Mg/m ³	1.143 Mg/m ³		1.260 Mg/m ³		
Absorption coefficient	0.378 mm ⁻¹	0.164 mm ⁻¹		0.079 mm ⁻¹		
F(000)	472	440	816	248	560	248

Crystal size (mm ³)	0.557 x 0.341 x 0.196	0.433 x 0.213 x 0.164	0.637 x 0.369 x 0.326	0.28 x 0.246 0.16 mm ³	0.308 x 0.229 x 0.209	0.28 x 0.246 x 0.16
Index ranges	1.95° to 28.29°	2.13° to 28°	2.07° to 28.27°	2.742° to 27.997°	1.41° to 28°	2.74° to 28.00°
Reflections collected	-8 ≤ h ≤ 8 -27 ≤ k ≤ 27 -11 ≤ l ≤ 12	-7 ≤ h ≤ 7 -24 ≤ k ≤ 25 -14 ≤ l ≤ 11	-26 ≤ h ≤ 27 -10 ≤ k ≤ 10 -16 ≤ l ≤ 19	11264	-20 ≤ h ≤ 20 -11 ≤ k ≤ 11 -14 ≤ l ≤ 13	-10 ≤ h ≤ 9 -7 ≤ k ≤ 8 -16 ≤ l ≤ 15
Independent reflections	29454	11039	10023	11264	17343	11264
R(int)	3014	2859	2783	1507	3476	1507
Completeness	0.0442	0.0371	0.0306	0.0348	0.0254	0.0348
	99.70%	99.40%	99.90%	100.00%	100.00%	100.00%
Refinement method	Full-matrix least-squares on F ²					
Data / restraints / parameters	3014 / 0 / 138	2859 / 0 / 139	2783 / 0 / 129	1507 / 0 / 90	3476 / 0 / 199	1507 / 0 / 90
Goodness-of-fit on F ²	1.064	1	1.038	1.038	1.058	1.05
R indices (all data)	R1 = 0.0299 wR2 = 0.0814	R1 = 0.0381 wR2 = 0.0859	R1 = 0.0463 wR2 = 0.1256	R1 = 0.0400 wR2 = 0.1010	R1 = 0.0412 wR2 = 0.0989	R1 = 0.0402 wR2 = 0.1022
	R1 = 0.0339 wR2 = 0.0841	R1 = 0.0536 wR2 = 0.0939	R1 = 0.0524 wR2 = 0.1303	R1 = 0.0493 wR2 = 0.1086	R1 = 0.0642 wR2 = 0.1132	R1 = 0.0496 wR2 = 0.1098
Largest diff. peak and hole (e.Å ⁻³)	0.316 / -0.334	0.313 / -0.251	0.688 / -0.229	0.274 / -0.226	0.247 / -0.217	0.275 / -0.225

TABLE 2: Collection data of elucidated structures 2

Compound					
Empirical formula	61 $C_{12}H_{14}N_2O_2$	22 $C_{15}H_{10}N_2$	56 $C_{17}H_{17}NO_3$	21 $C_{22}H_{17}N_2$	18 $C_{14}H_{12}N_2$
Formula weight	218.25	218.32	283.32	309.38	208.26
Temperature	173.0(2) K	173.0(2) K	173.0(2) K	173.0(2) K	173.0(2) K
Wavelength	0.71073 Å	0.71073 Å	0.71073 Å	0.71073 Å	0.71073 Å
Crystal system	Orthorhombic	Monoclinic	Monoclinic	Monoclinic	Monoclinic
Space group	P b c a	P2(1)/c	P2(1)/n	P2(1)/c	P2(1)/c
Unit cell dimensions					
a	9.2470(3) Å	11.477(6) Å	10.4765(4) Å	5.5833(2) Å	3.8759(2) Å
b	14.5102(4) Å	4.886(3) Å	7.7837(3) Å	18.2498(6) Å	23.5592(8) Å
c	17.4380(6) Å	19.046(11) Å	18.1482(7) Å	15.3217(5) Å	11.4047(5) Å
α	90°	90°	90°	90°	90°
β	90°	96.09(2)°	101.666(2)°	93.940(2)°	91.651(2)°
γ	90°	90°	90°	90°	90°
Volume	2339.76(13) Å ³	1061.9(11) Å ³	1449.34(10) Å ³		

Z	8	4	4	4	4
Density (calculated)		1.365 Mg/m ³	1.298 Mg/m ³	1.319 Mg/m ³	1.329 Mg/m ³
Absorption coefficient		0.082 mm ⁻¹	0.089 mm ⁻¹	0.078 mm ⁻¹	0.080 mm ⁻¹
F(000)	928	456	600	652	440
Crystal size (mm ³)	0.355 x 0.165 x 0.09	0.24 x 0.11 x 0.02	0.46 x 0.28 x 0.11	0.374 x 0.263 x 0.116	
Index ranges	2.86° to 27.99°	1.78° to 26.00°	2.08° to 28.00°	1.74° to 28.35°	1.73° to 28.00°
	-12 ≤ h ≤ 11	-13 ≤ h ≤ 14	-13 ≤ h ≤ 13	-7 ≤ h ≤ 7	-5 ≤ h ≤ 4
	-19 ≤ k ≤ 19	-6 ≤ k ≤ 6	-10 ≤ k ≤ 10	-21 ≤ k ≤ 24	-31 ≤ k ≤ 31
	-23 ≤ l ≤ 22	-23 ≤ l ≤ 23	-23 ≤ l ≤ 23	-20 ≤ l ≤ 20	-14 ≤ l ≤ 50
Reflections collected	19630	8638	12764	23975	10479
Independent reflections	2811	2065	3501	3902	2495
R(int)	0.0325	0.0988	0.0412	0.0408	0.0586
Completeness	99.70%	99.50%	100.00%	99.90%	99.90%
Refinement method	Full-matrix least-squares on F ²				
Data / restraints / parameters	2811 / 0 / 152	2065 / 0 / 154	3501 / 0 / 193	3902 / 0 / 217	2495 / 0 / 150
Goodness-of-fit on F ²	1.26	0.99	0.578	1.003	1.037
	R1 = 0.0428	R1 = 0.0676	R1 = 0.0392	R1 = 0.0403	R1 = 0.0533
	wR2 = 0.1089	wR2 = 0.1723	wR2 = 0.1200	wR2 = 0.0922	wR2 = 0.1144
R indices (all data)	R1 = 0.0697	R1 = 0.1576	R1 = 0.0558	R1 = 0.0530	R1 = 0.0916
	wR2 = 0.1469	wR2 = 0.2259	wR2 = 0.1454	wR2 = 0.1008	wR2 = 0.1285
Largest diff. peak and hole (e.Å ⁻³)	0.590 / -0.881	0.335 / -0.292	0.272 / -0.261	0.319 / -0.193	0.473 / -0.206