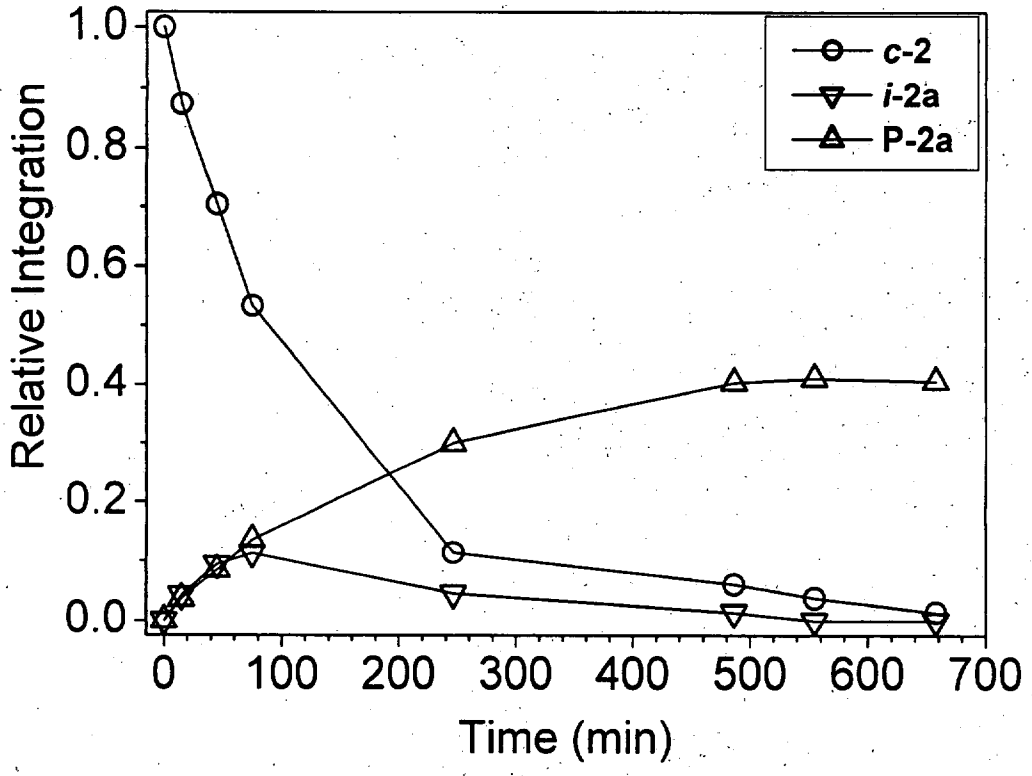
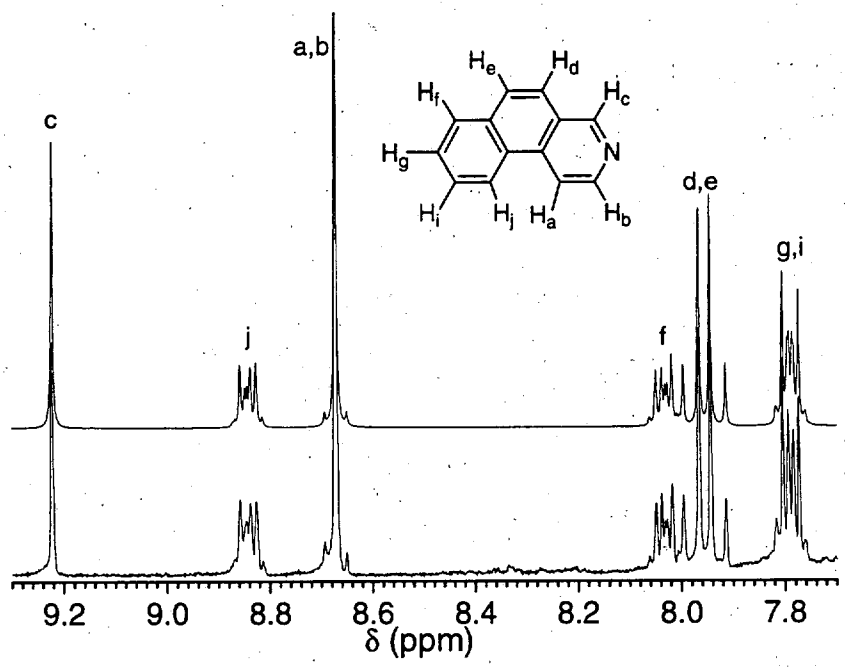
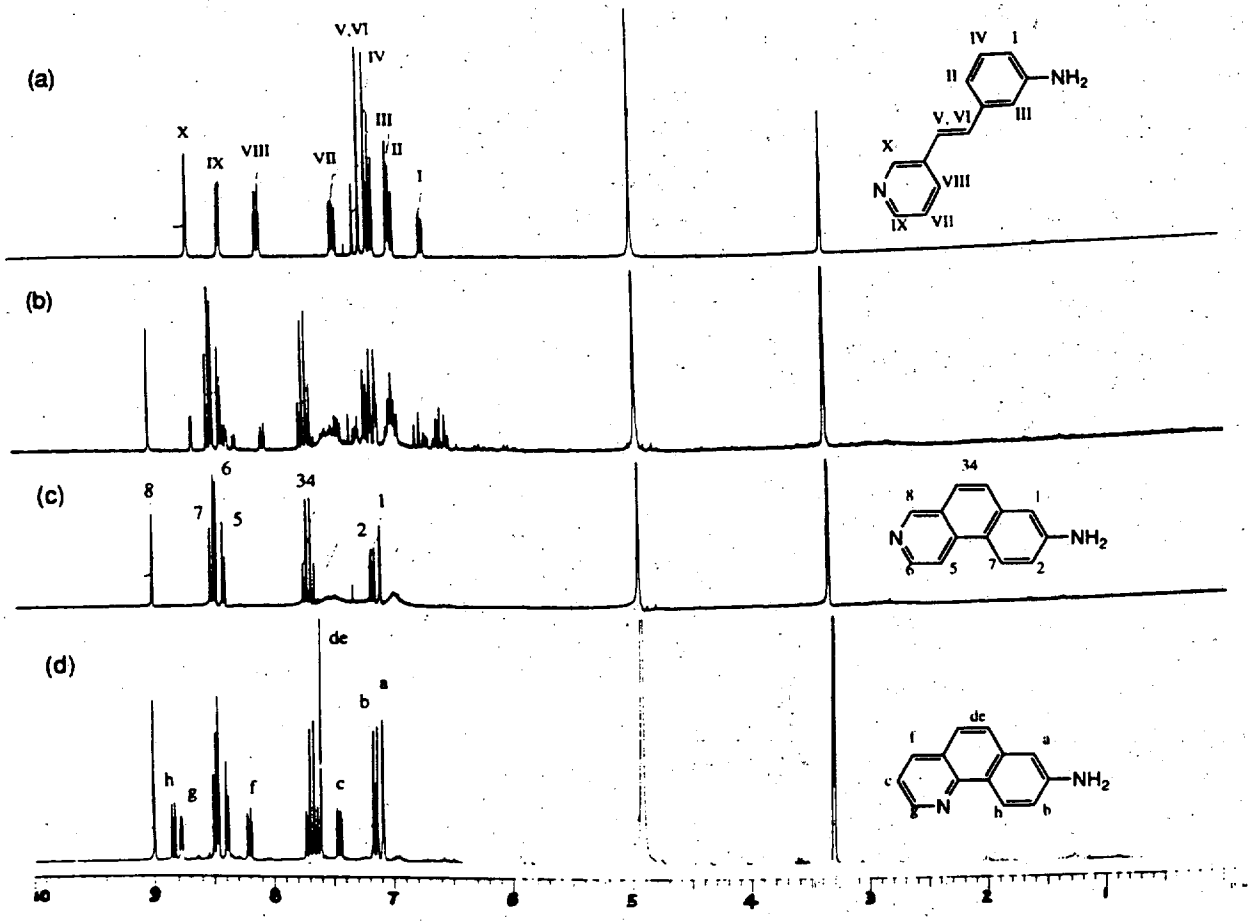


Supporting Figure 1: NMR integration of the signals from the photolysis of ***c*-2** in MeOD-d_4.



Supporting Figure 2: ^{1}H NMR (300 MHz) simulation of P-**2a** in methanol-d_4.



Supporting Figure 2: ^{1}H NMR spectra of *t*-**4** (a) prior to irradiation and after irradiation in nitrogen-purged methanol-d_4 for (b) 60 min and (c) 130 min and after irradiation in air-saturated solution for 100 min (d).

Supporting Table 1: Chemical shifts [a] and coupling constants for *i*-**2a**.

		J / Hz					
	δ / ppm	H_a	H_b	H_c	H_e	H_f	H_g
H_a	4.21		1.5	1.3	2.2	[b]	[b]
H_b	5.04			7.9	≤ 0.5	[b]	[b]
H_c	6.16				1.2	[b]	[b]
H_e	6.21					[b]	[b]
H_f	6.28						9.3
H_g	6.11						

[a] H_{ar} protons were in the 6.9 – 8.2 ppm region and were not simulated. [b] J ≤ 0.2 Hz.

Supporting Table 2: Chemical shifts and coupling constants for P-**2a**.

		J / Hz								
	δ / ppm	H_a	H_b	H_c	H_d	H_e	H_f	H_g	H_i	H_j
H_a	8.67		6.2	a	a	a	a	a	a	a
H_b	8.68			a	a	a	a	a	a	a
H_c	9.22				a	a	a	a	a	a
H_d	7.98					9.0	a	a	a	a
H_e	7.93						a	a	a	a
H_f	8.03							8.1	1.2	-0.5
H_g	7.79								6.9	1.4
H_i	7.79									7.9
H_j	8.84									

[a] $J \leq 0.2$ Hz.

Supporting Table 3: NMR Integrals for Photolysis of *c*-**2** in Methanol-d_4.

Irradiation Time (min)	*c*-**2**	*i*-**2a**	P-**2a**
0	1.00	0	0
15	0.87	0.04	0.04
45	0.70	0.09	0.08
75	0.53	0.11	0.14
246	0.11	0.04	0.30
486	0.06	0.01	0.40
555	0.04	0	0.41
658	0.01	0	0.41