

Article

Supplementary Information

1. Deconvolution of Raman Spectra

Figure S1. Deconvolution of Raman spectra (Figure 6) of 76-CoMoCAT (a) before and after extraction with ZnOEP (b) and MnOEP (c).

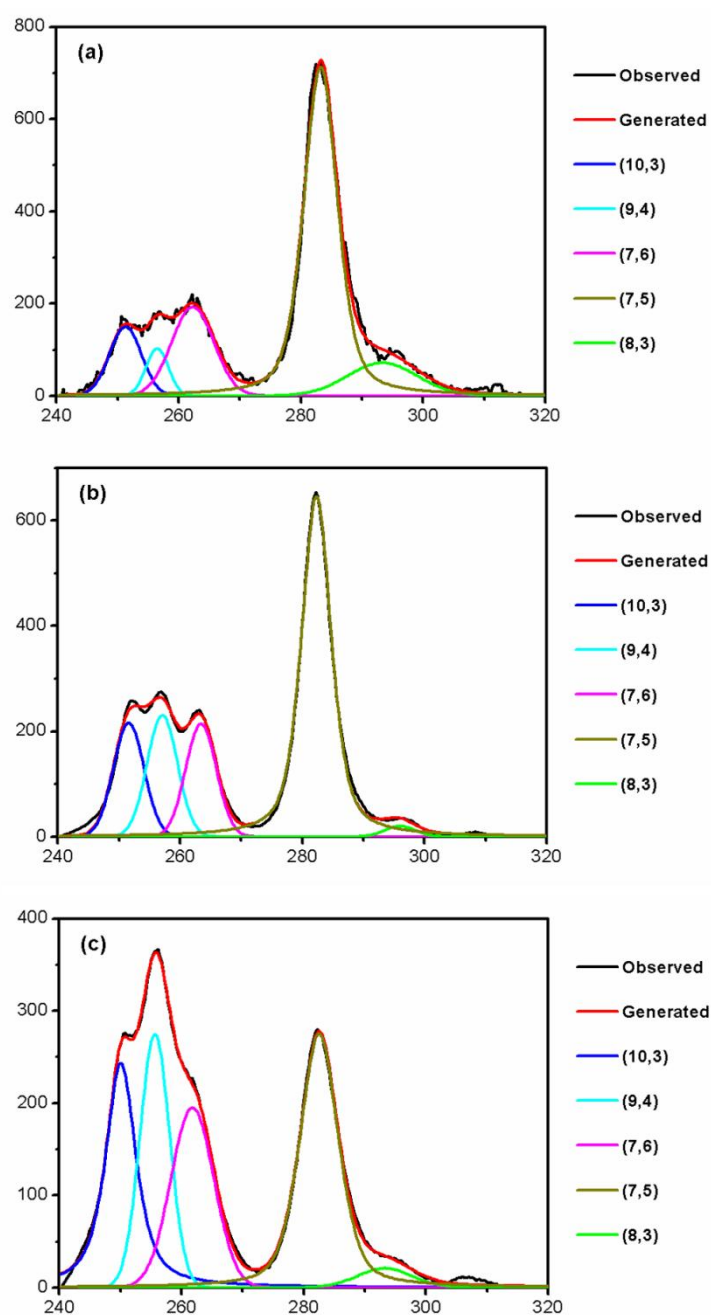


Table S1. (n,m) Abundance estimated from PL spectra of semiconducting SWNTs before and after extraction of HiPCO with ZnOEP and MnOEP.

Major (n, m) components in HiPCO	Diameter (nm)	Roll-up angle (degree/°)	Abundance (%) estimated from PL spectra		
			HiPCO	Extraction with ZnOEP	Extraction with MnOEP
(7,5)	0.83	24.5	2.7%	3.0%	9.5%
(10,2)	0.88	9.0	3.6%	2.9%	3.6%
(8,4)	0.84	19.1	3.5%	6.7%	5.4%
(7,6)	0.90	27.5	5.8%	11.3%	8.0%
(9,4)	0.92	17.5	6.4%	10.3%	13.8%
(8,6)	0.97	25.3	11.2%	13.8%	13.7%
(12,1)	0.99	4	5.1%	5.4%	6.3%
(11,3)	1.01	11.7	8.8%	4.8%	5.7%
(9,5)	0.98	20.6	6.9%	8.8%	6.7%
(8,7)	1.03	27.8	12.9%	9.5%	7.5%
(10,5)	1.05	19.1	11.9%	8.9%	9.8%
(9,7)	1.10	25.9	12.7%	6.7%	4.6%
(10, 6)	1.11	21.8	6.7%	4.1%	3.3%
(9,8)	1.17	28.0	5.4%	3.6%	2.2%

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