

One-pot, electrochemical synthesis of palladium nanoparticles and their application in suzuki coupling reaction

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Supporting Information

Fig S-1

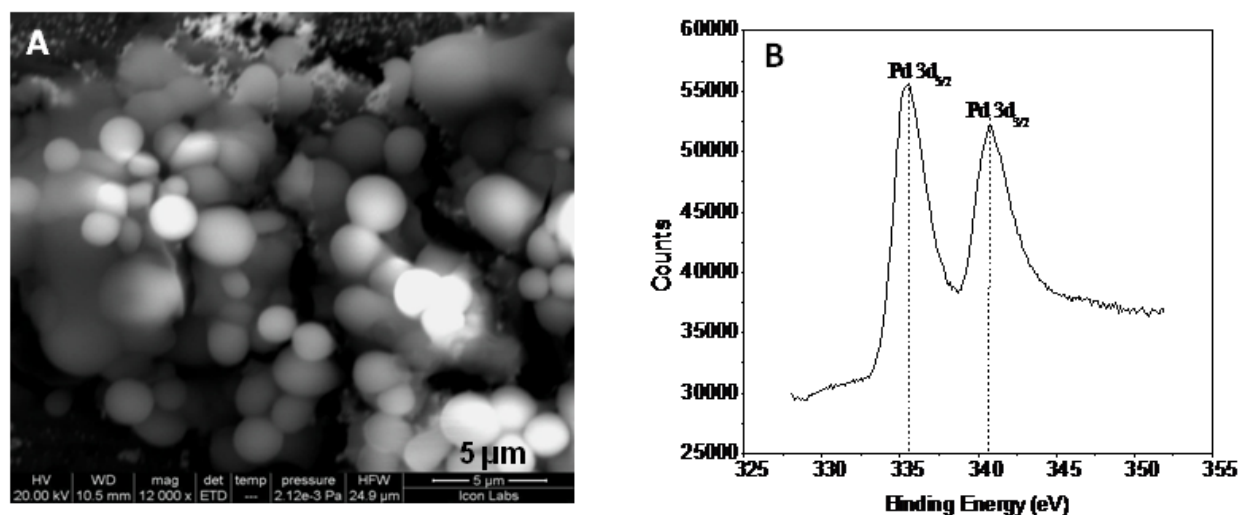


Fig S-1: (A) SEM images of Pd electrodeposit and (B) XPS of Pd-electrodeposit at potential -0.8 V for 2500 S.

Fig S-2

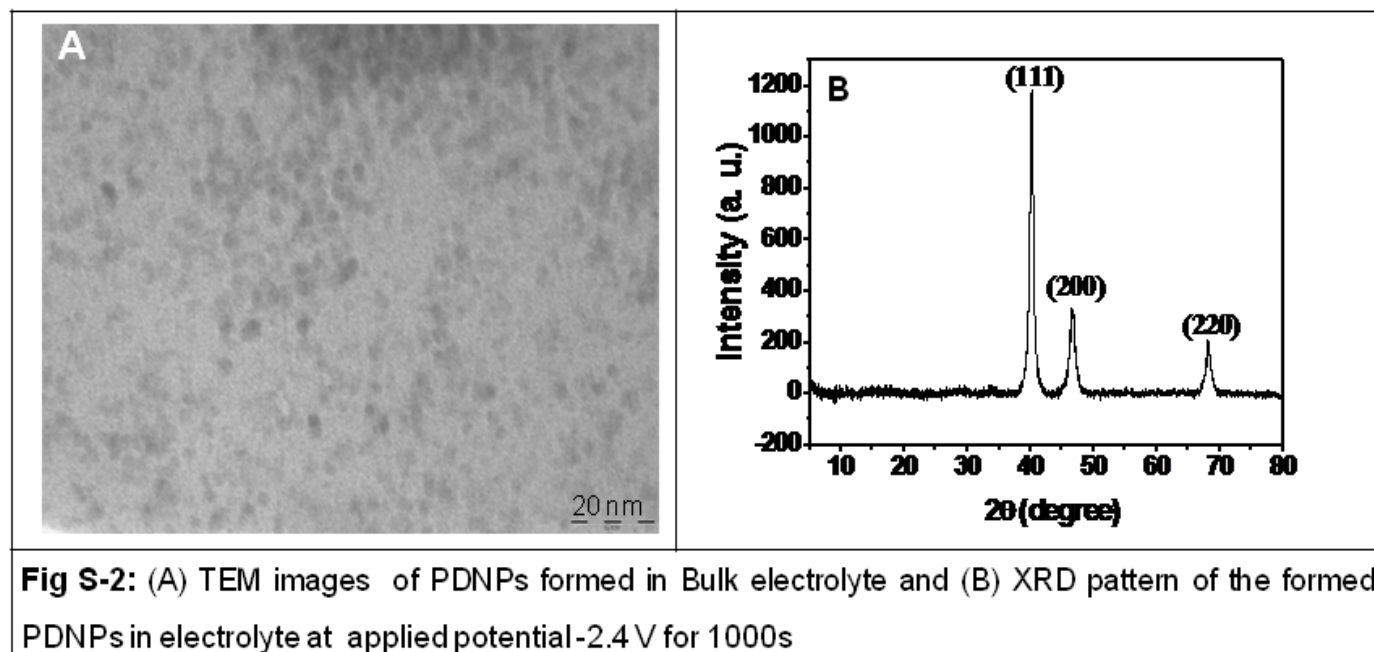


Fig- S-3

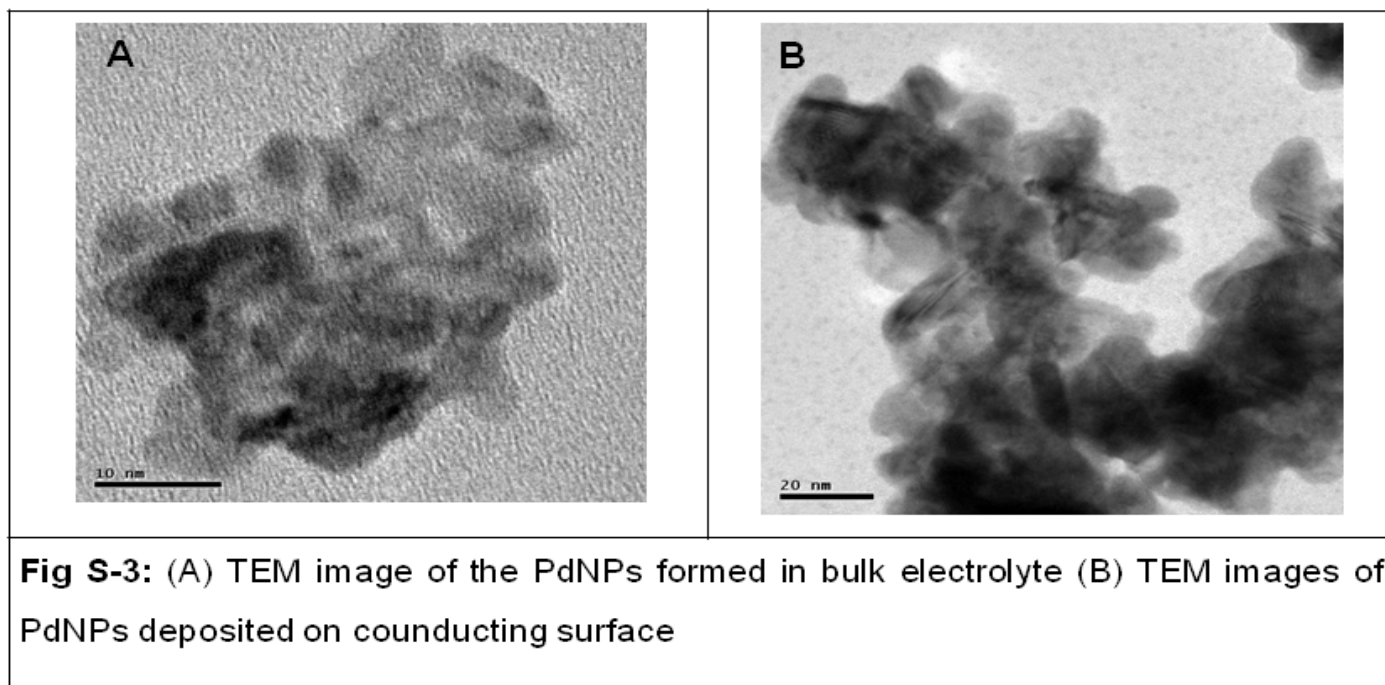


Fig. S-4

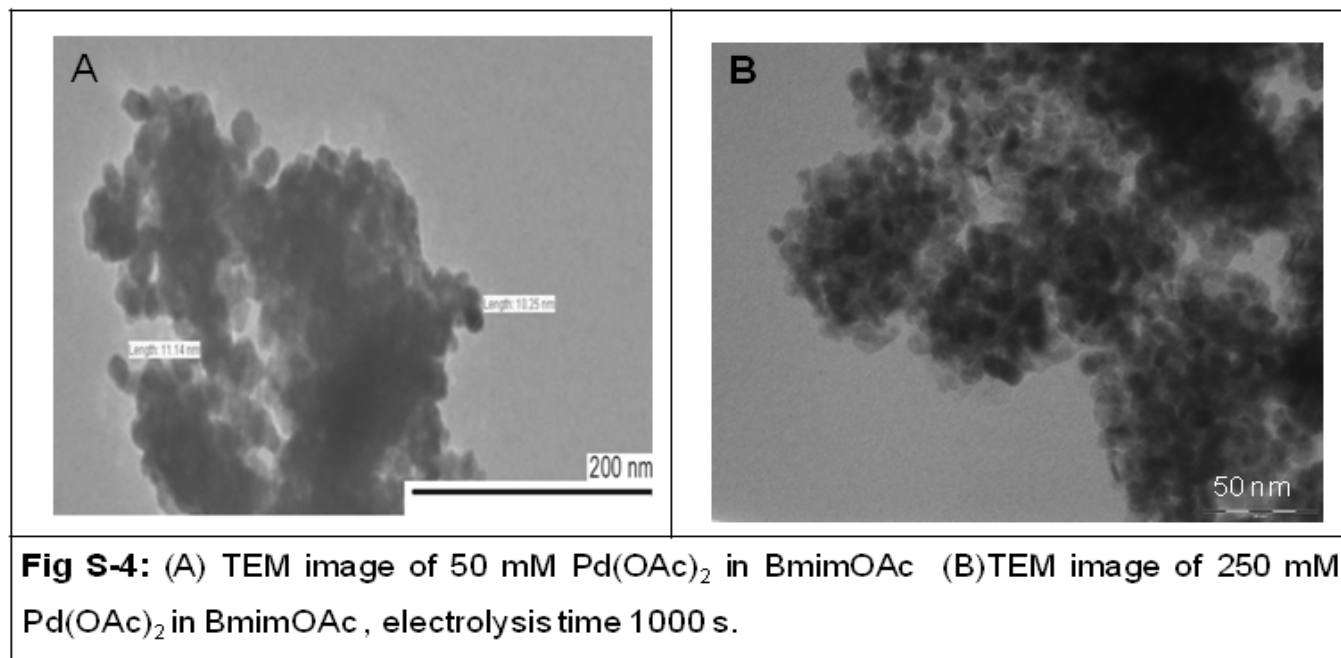


Fig S -5

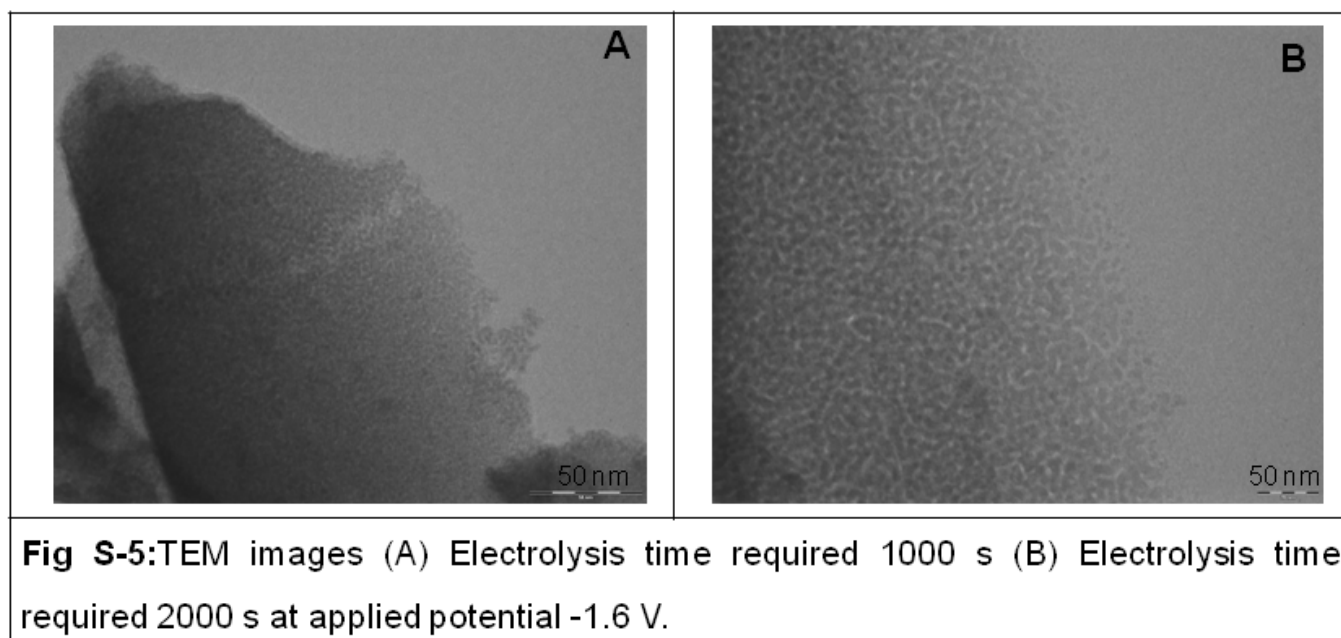


Fig S-6

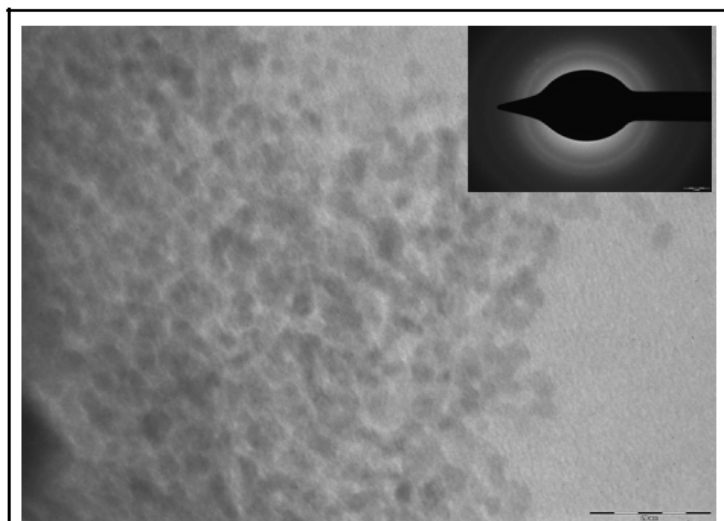
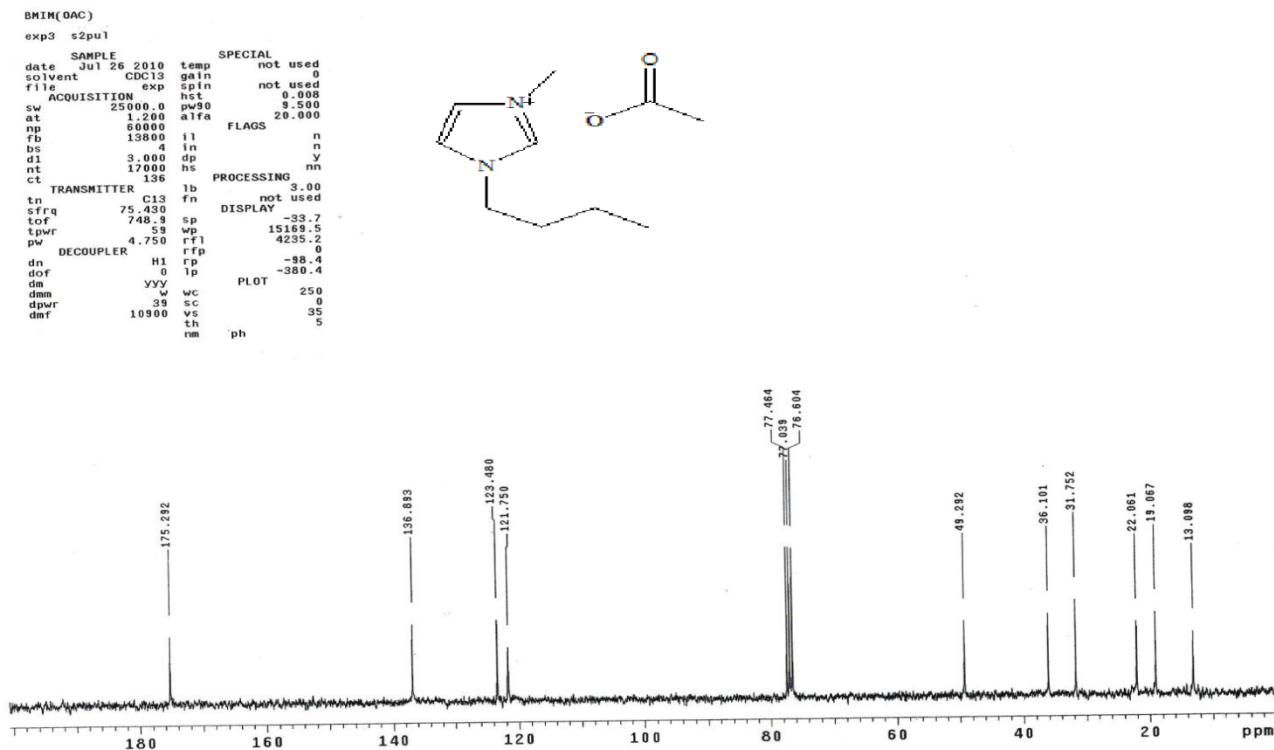
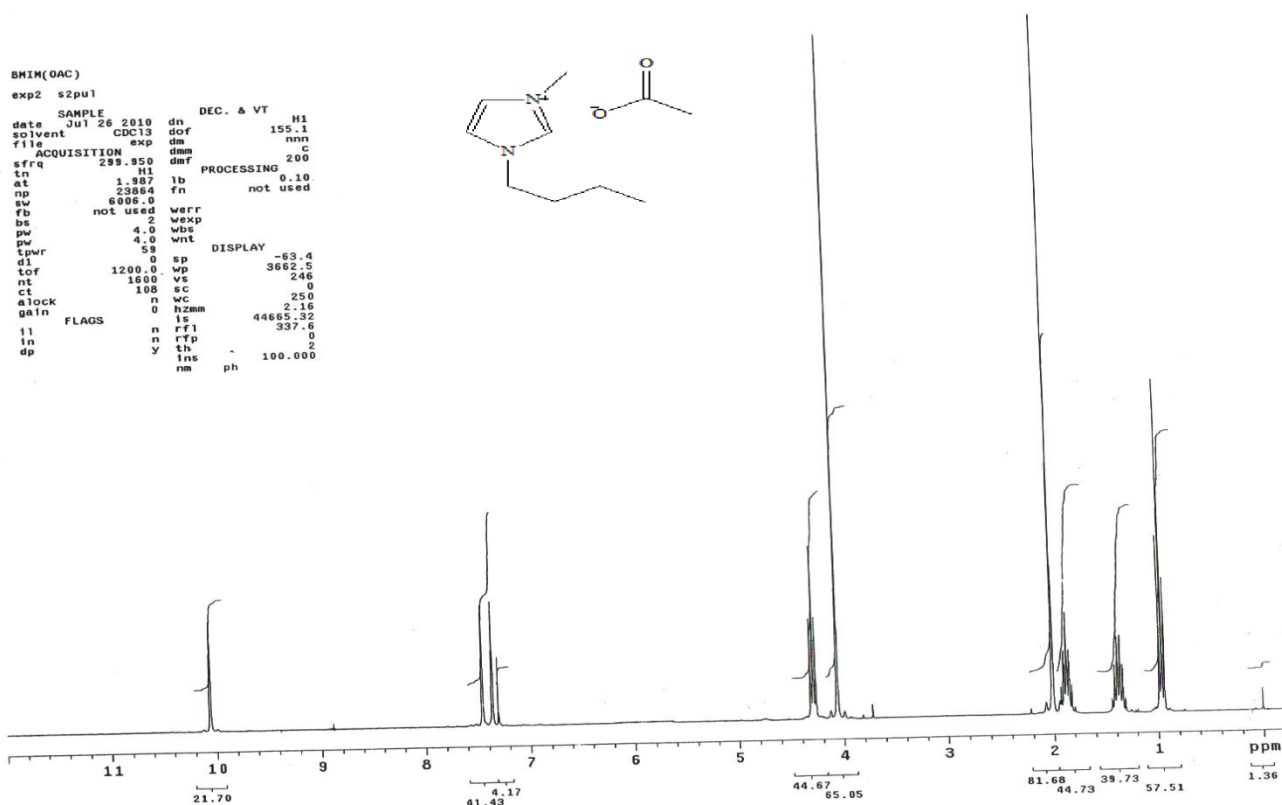
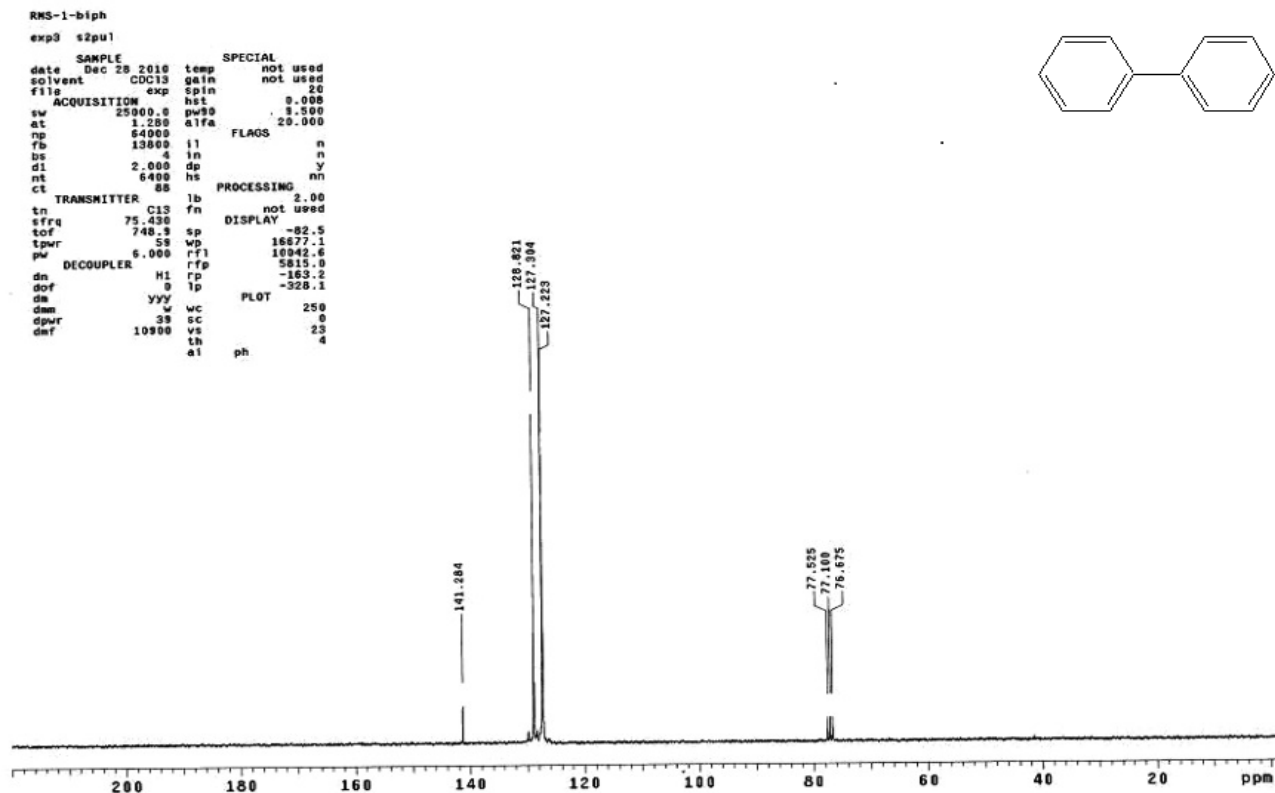
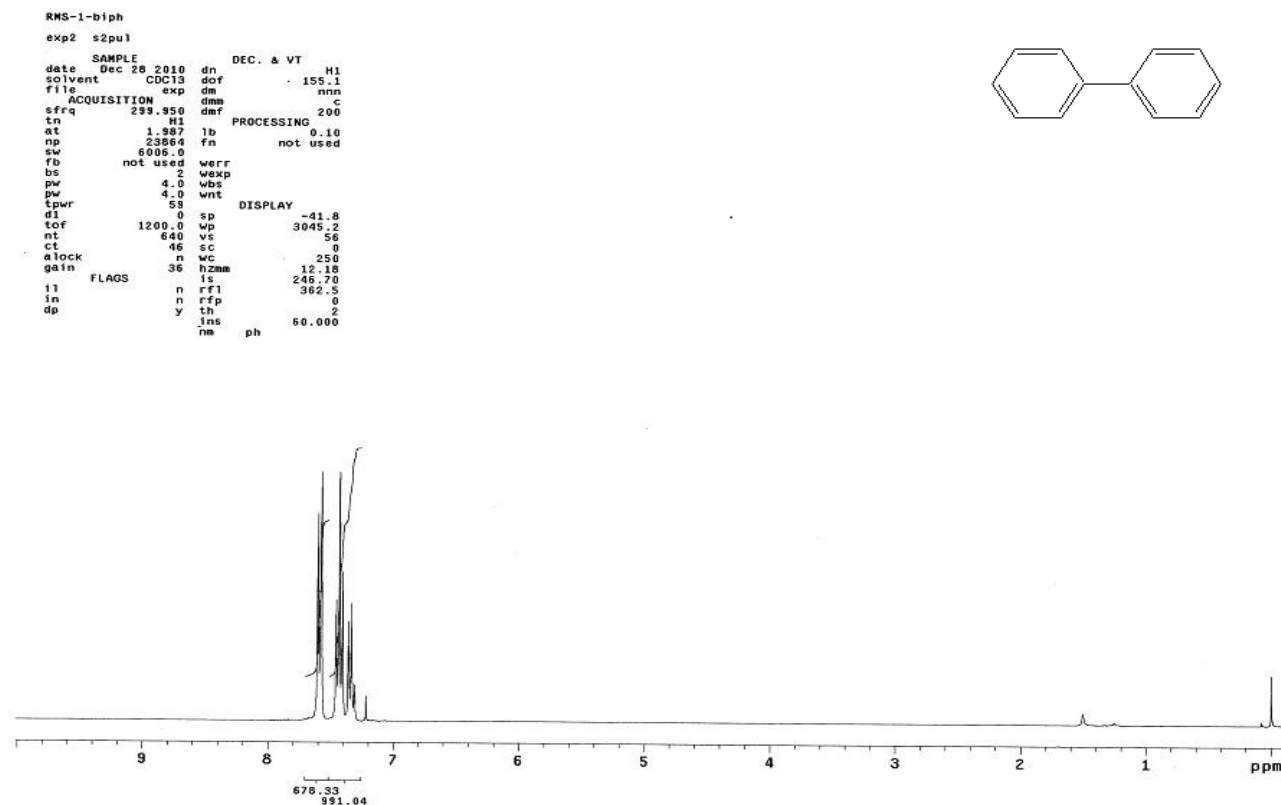


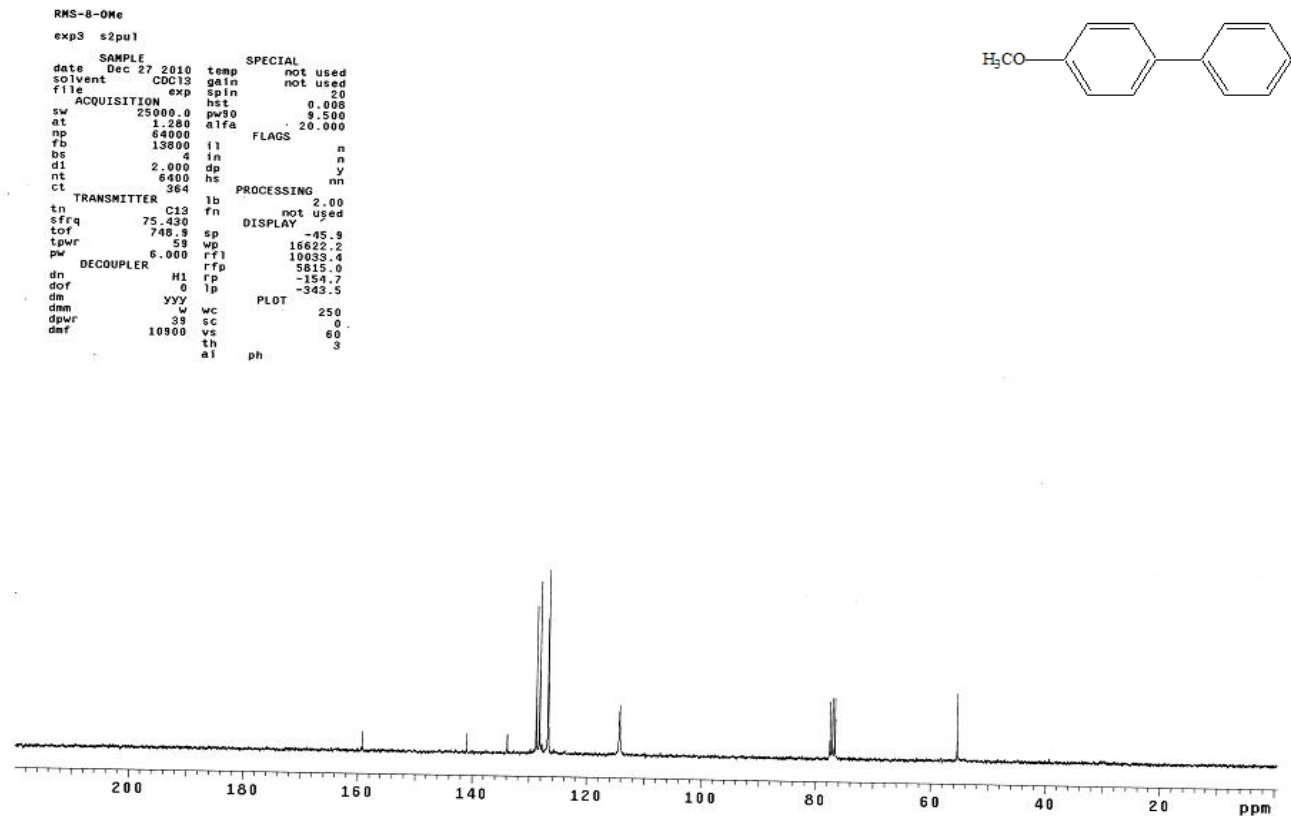
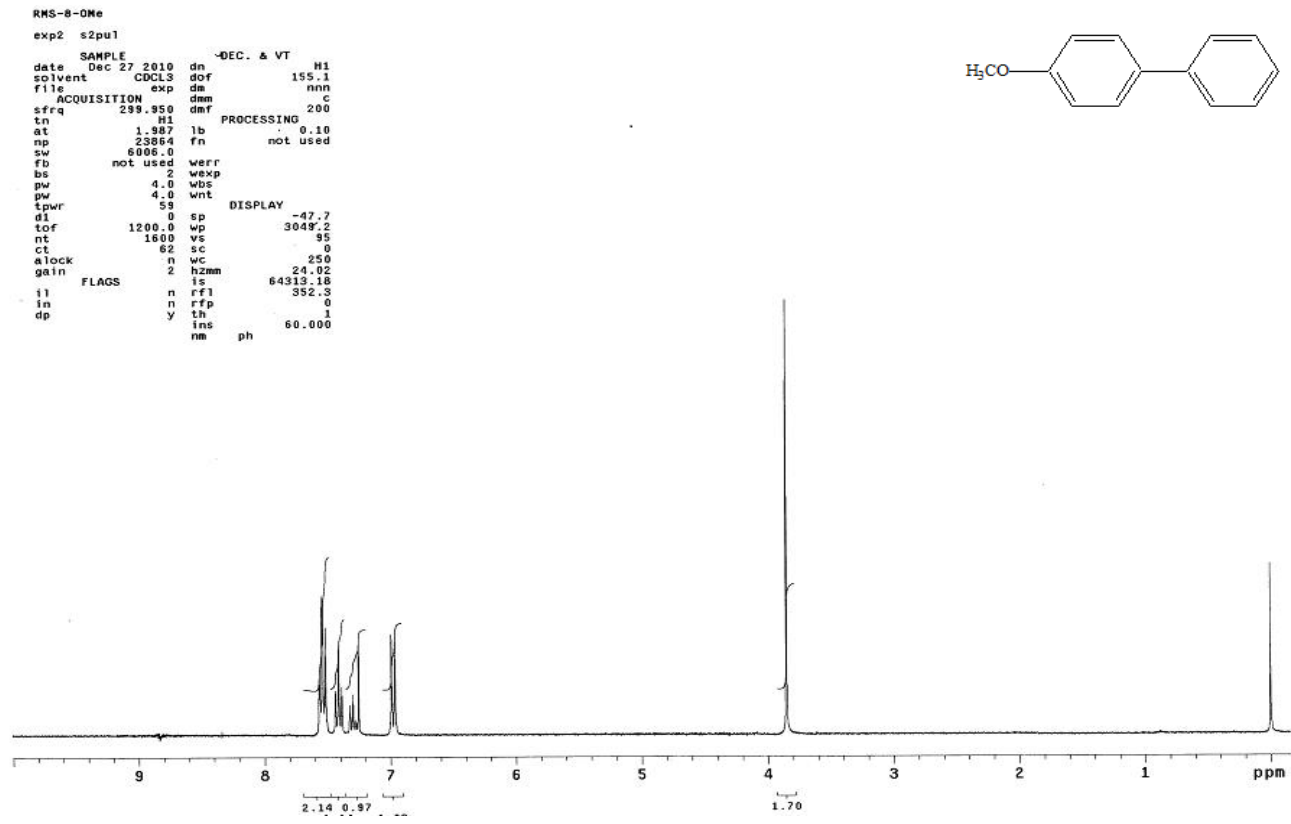
Fig S-6 : TEM images of IL-PDNP after five
recycle.

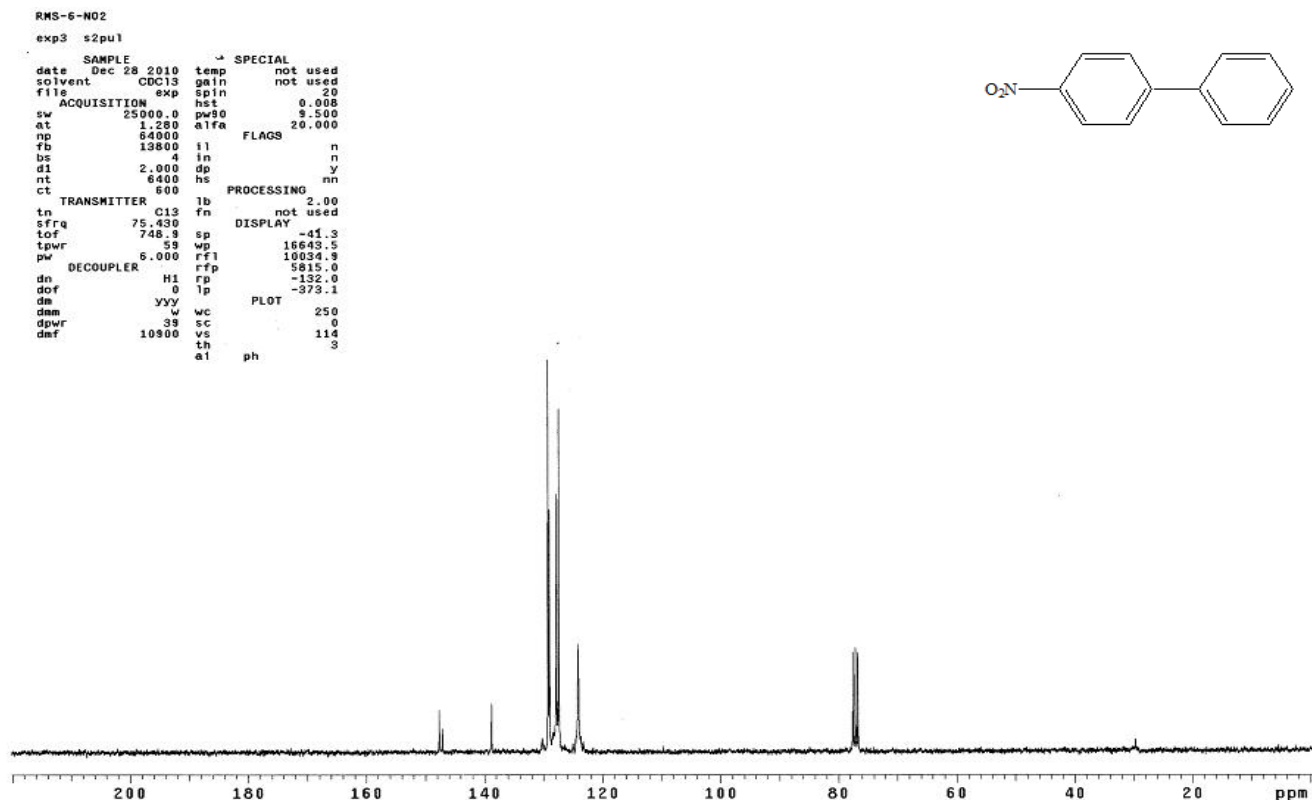
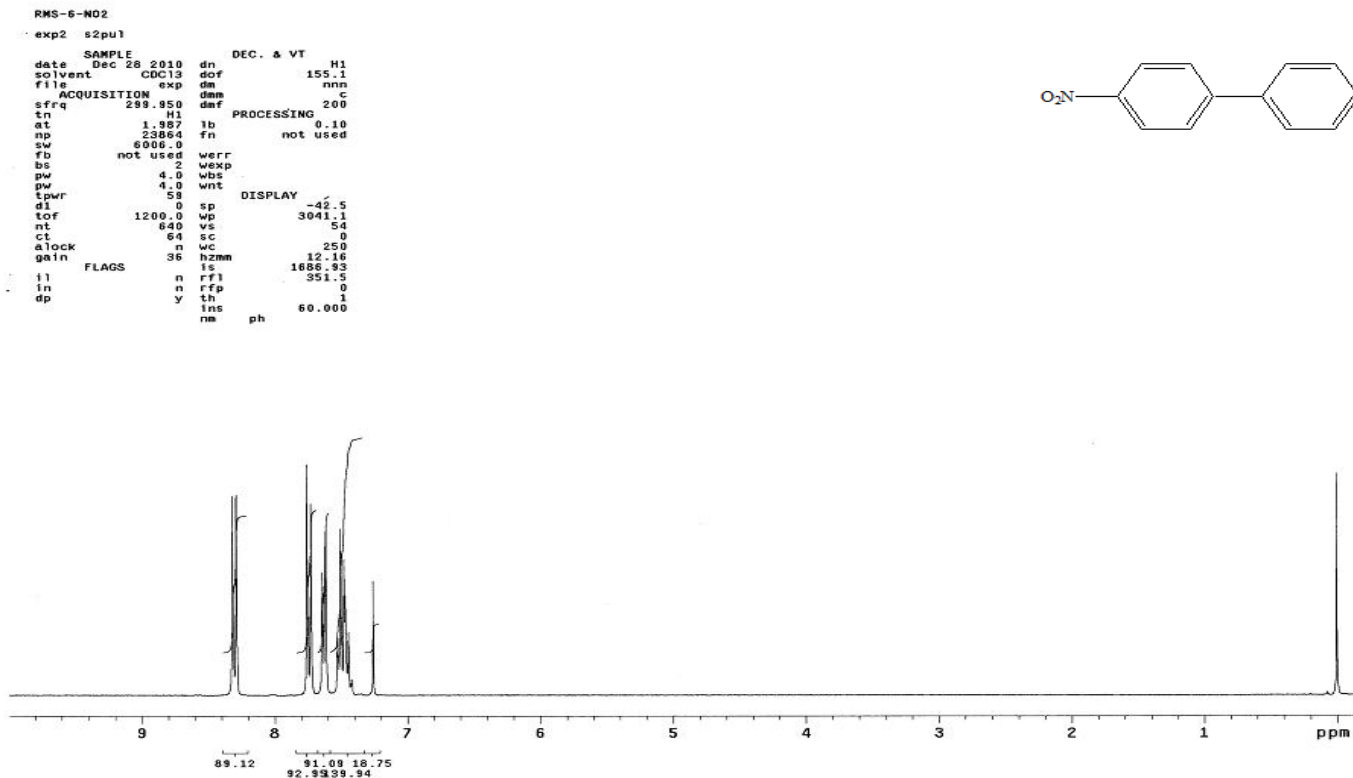
a) Analytical data of ionic liquid

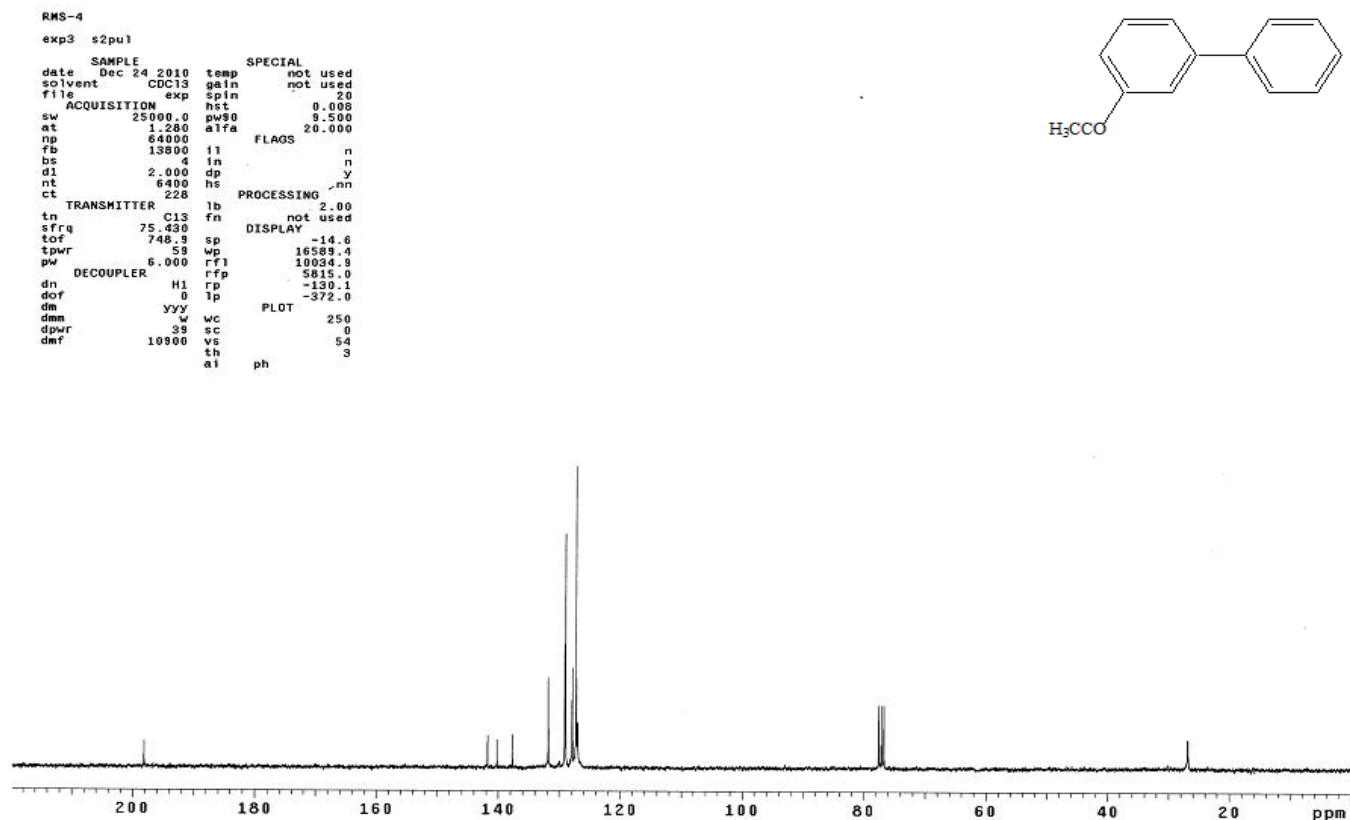
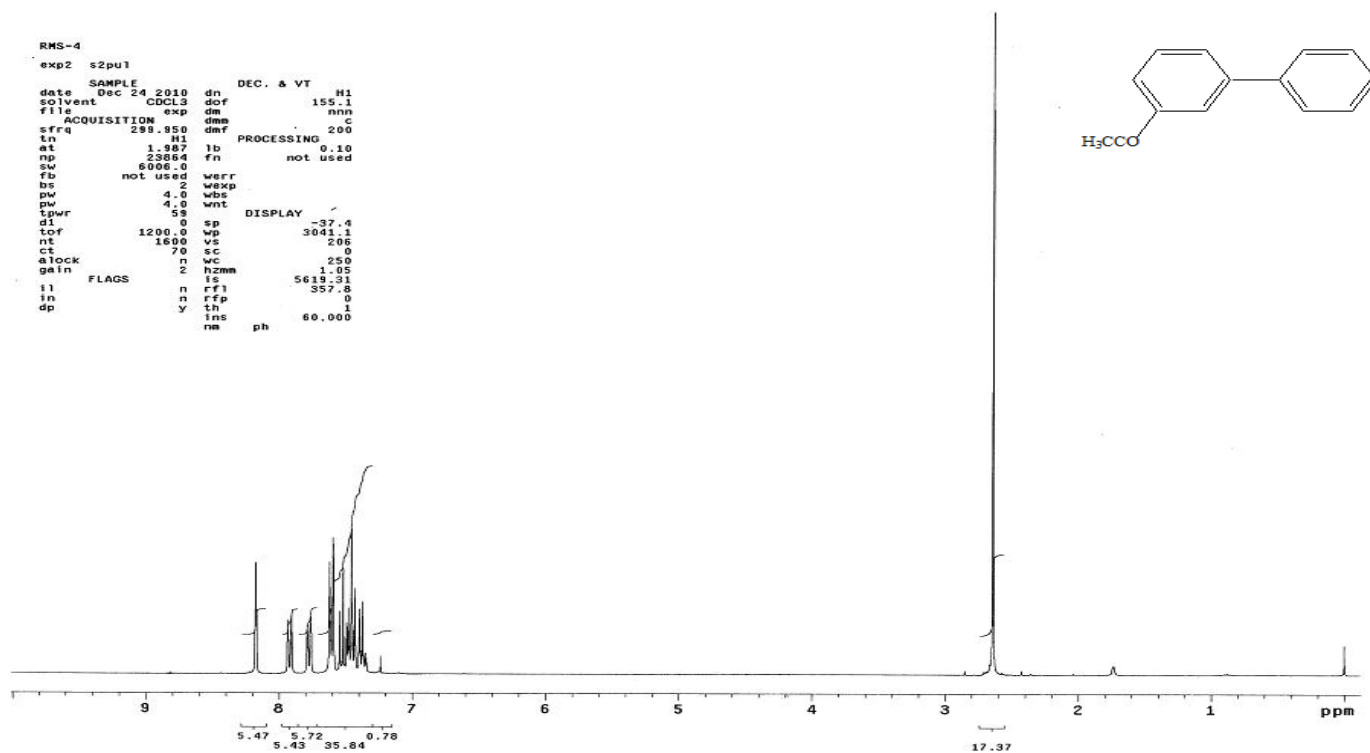


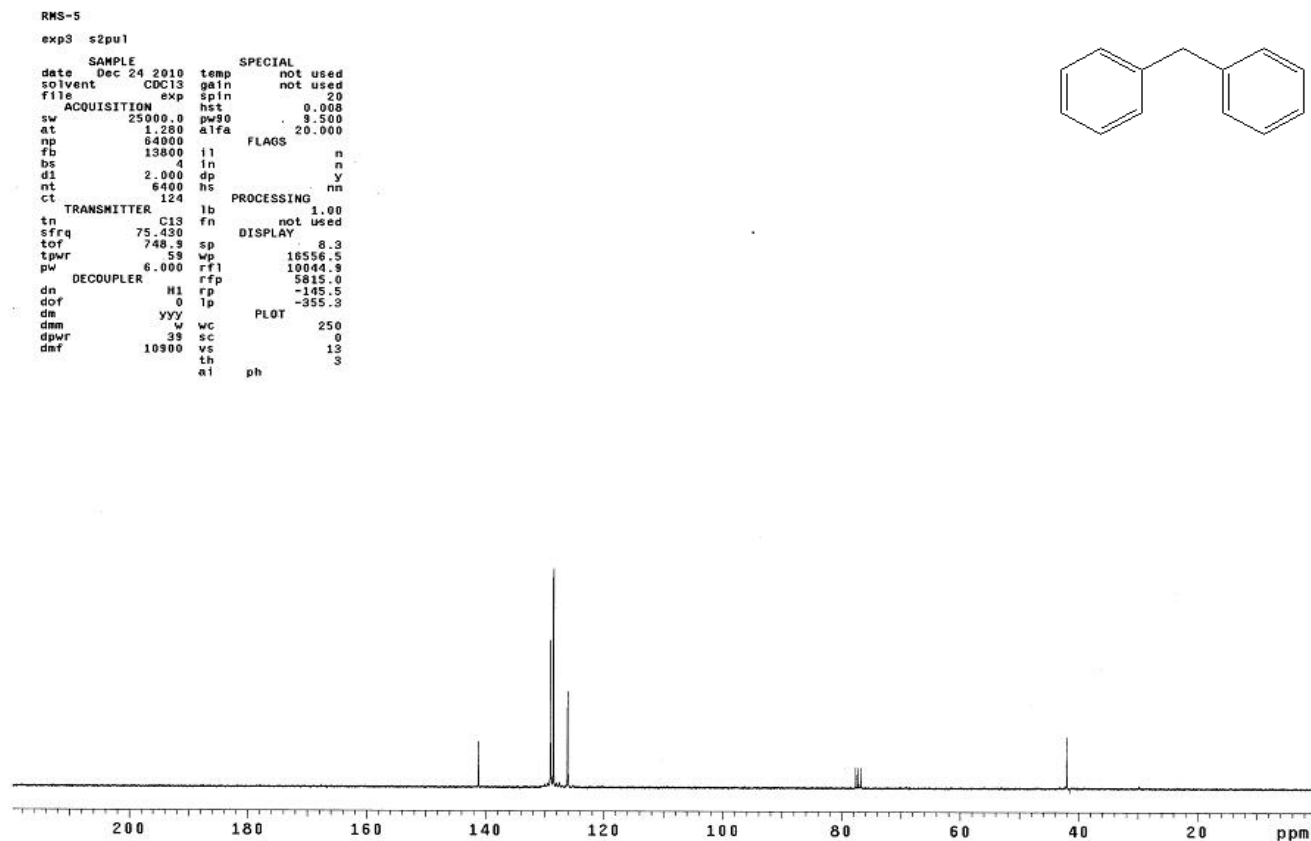
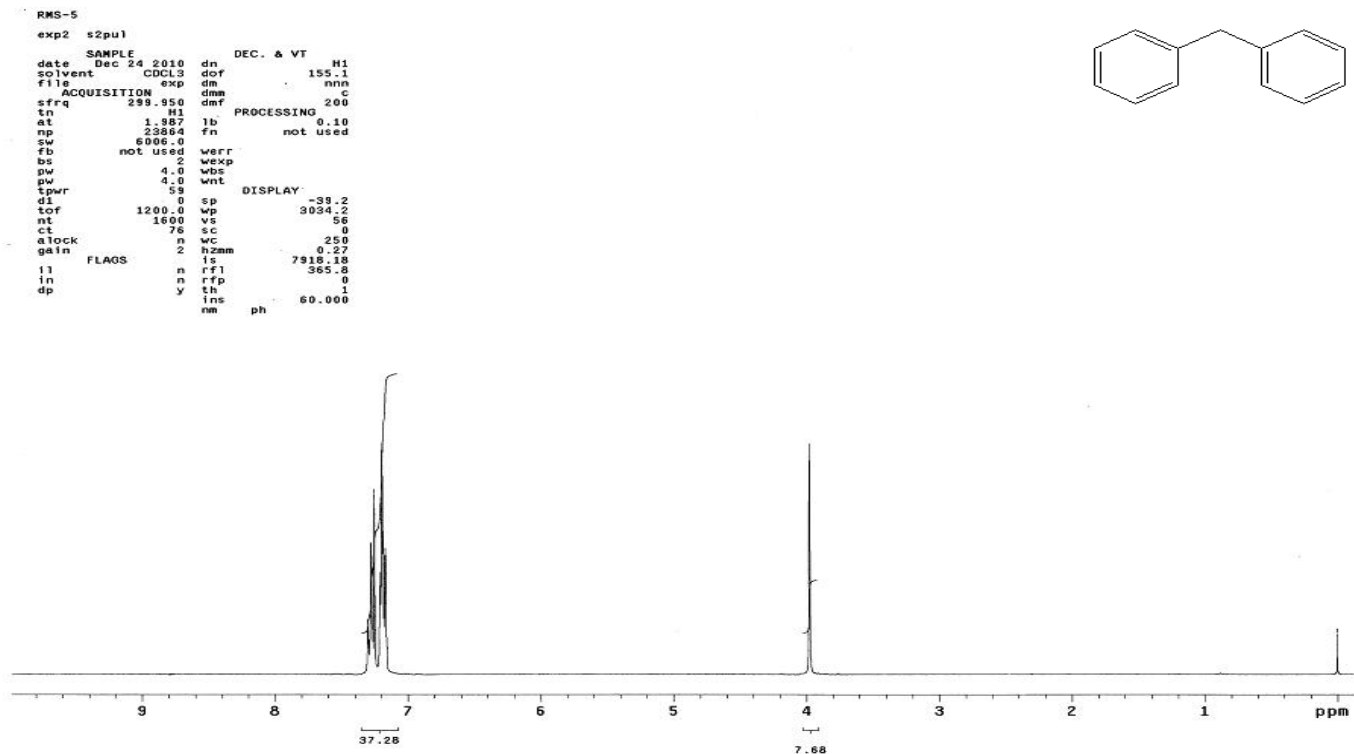
b) Analytical data of products

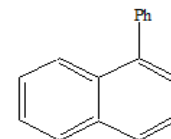
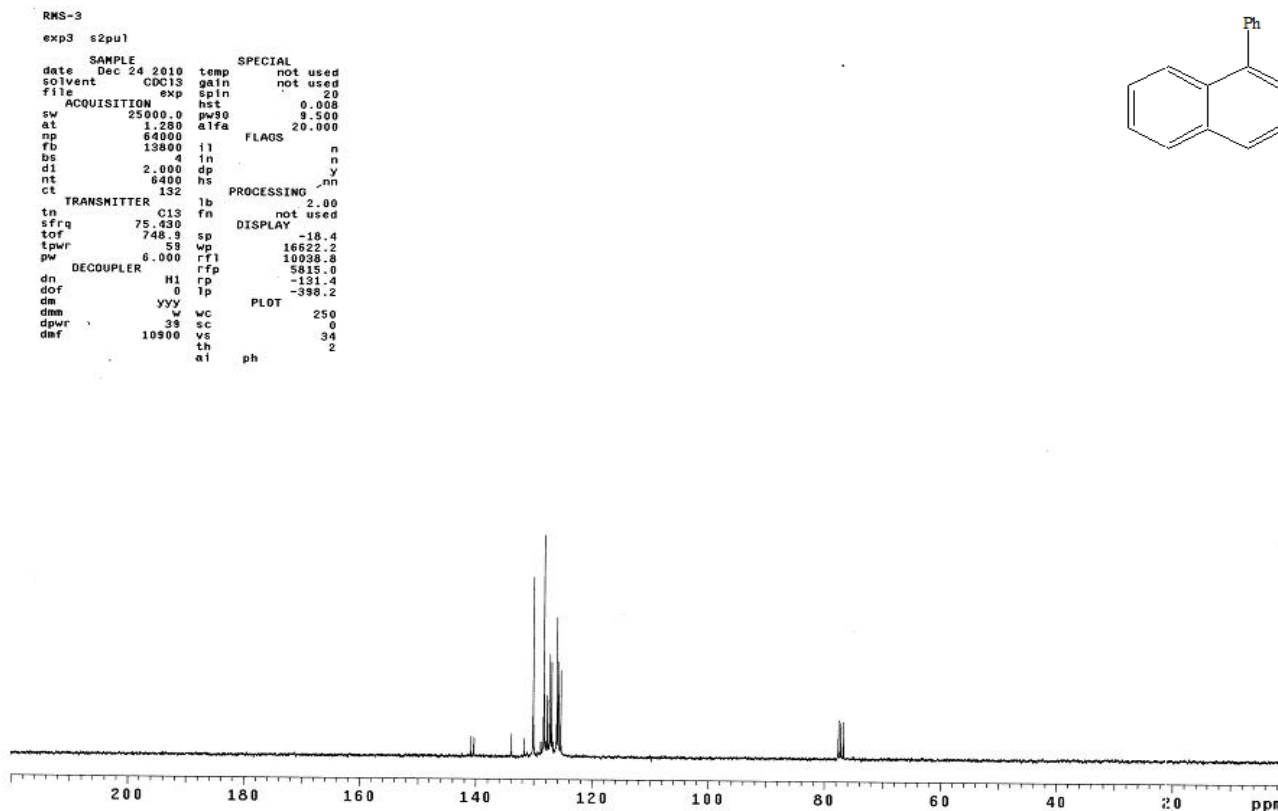
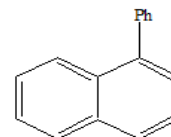
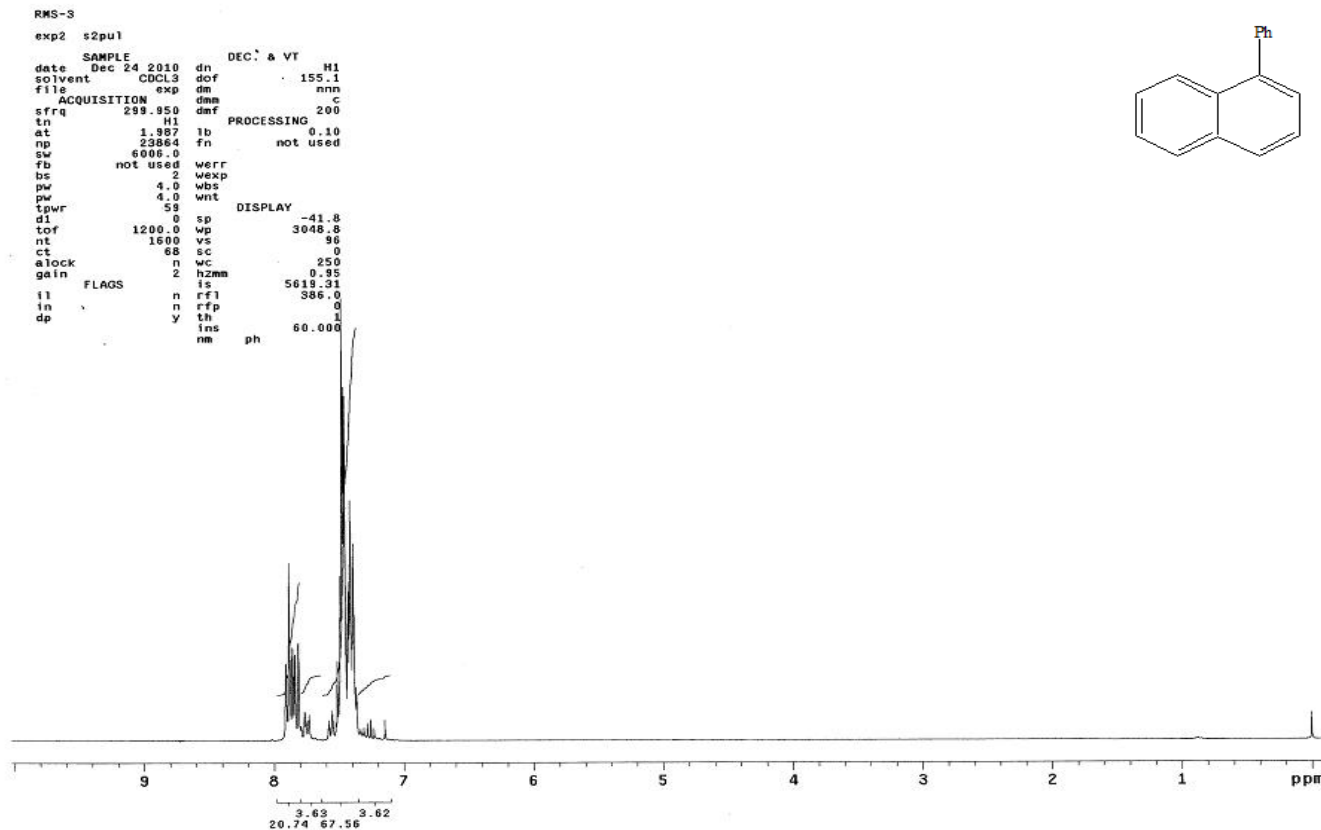






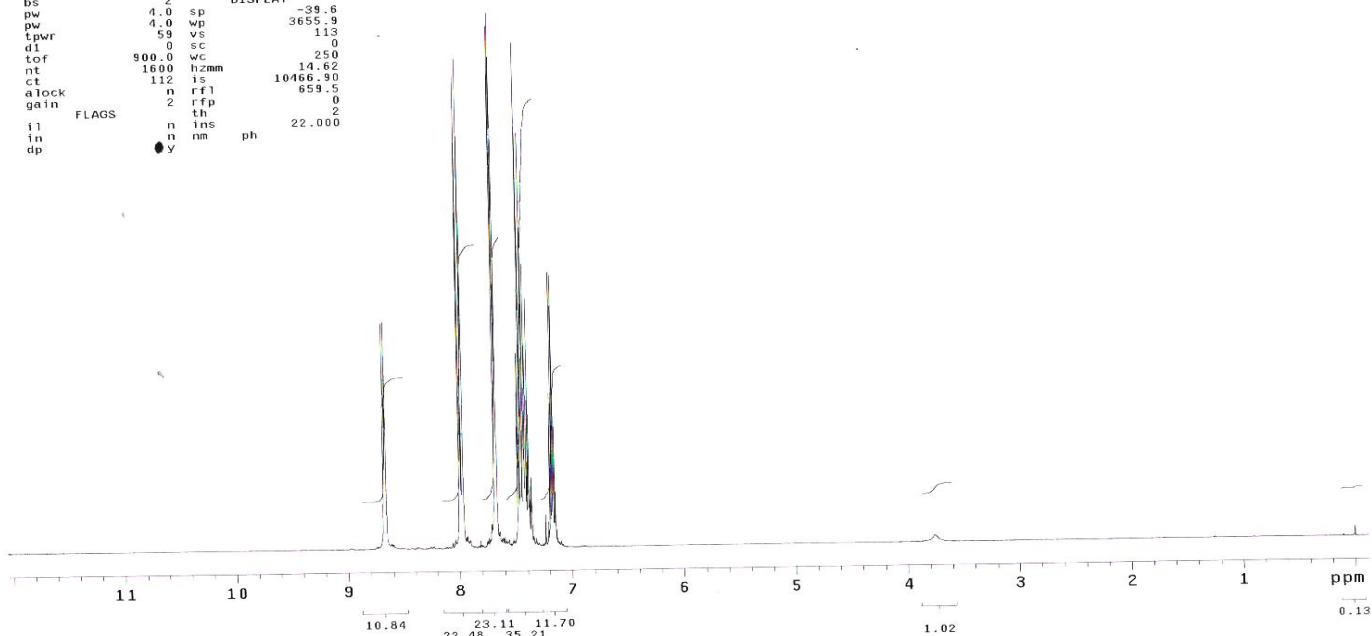
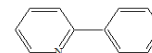






RMS-2
exp2 s2pu1

SAMPLE		DEC. & VT	
date	Feb 4 2011	dn	H1
solvent	CDC13	dof	155.1
file	/export/home/~	dm	nnn
nmr1	2011/Feb11/E~	dmm	c
EXTERNAL	UICY-Qhure~	dmf	200
sh1/RMS2.fid		PROCESSING	0.10
ACQUISITION	lb	fn	not used
sfrq	299.950		
tn	H1		
at	1.982	werr	
np	23812	wexp	
sw	6006.0	wbs	
fb	not used	wnt	
bs	2	DISPLAY	-39.6
pw	4.0	sp	3655.9
pw	4.0	wp	113
tpwr	59	vs	0
d1	0	sc	250
tof	900.0	wc	14.62
nt	1600	hzmm	10466.90
ct	112	is	659.5
alock	n	rfl	0
gain	2	rpf	2
FLAGS	th	ph	22.000
il	n	ins	
in	n	nm	
dp	y		



RMS-2
exp3 s2pu1

SAMPLE		SPECIAL	
date	Feb 4 2011	temp	not used
solvent	CDC13	gain	2
file	exp	sp1n	not used
ACQUISITION	hst	0.008	
sw	23988.8	pw90	11.500
at	1.815	alfa	20.000
np	87052	FLAGS	
fb	13200	il	n
bs	4	in	n
d1	3.000	dp	y
nt	12000	hs	nn
ct	80	PROCESSING	2.00
tn	C13	fn	not used
sfrq	75.430	DISPLAY	-86.1
tof	748.9	sp	16714.8
tpwr	56	wp	9546.1
pw	4.750	rfl	5815.0
DECOUPLER	H1	rpf	178.6
dn	0	lp	-287.1
dof	0	PLOT	250
dm	yyv	w	0
dmm	39	sc	51
dpwr	11300	vs	5
dmf		th	
		nm	ph

