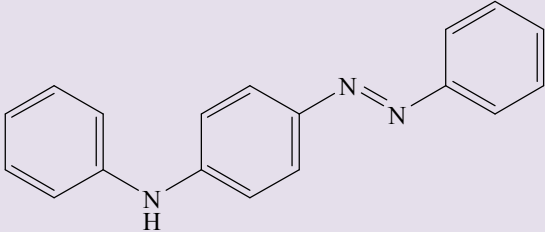
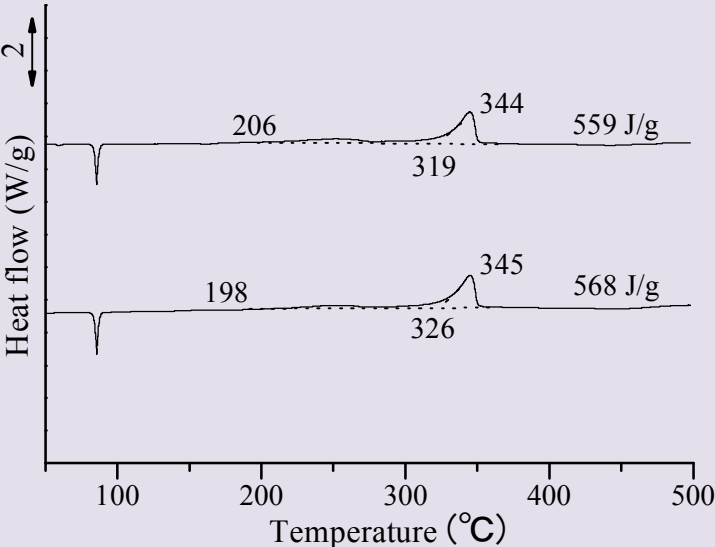
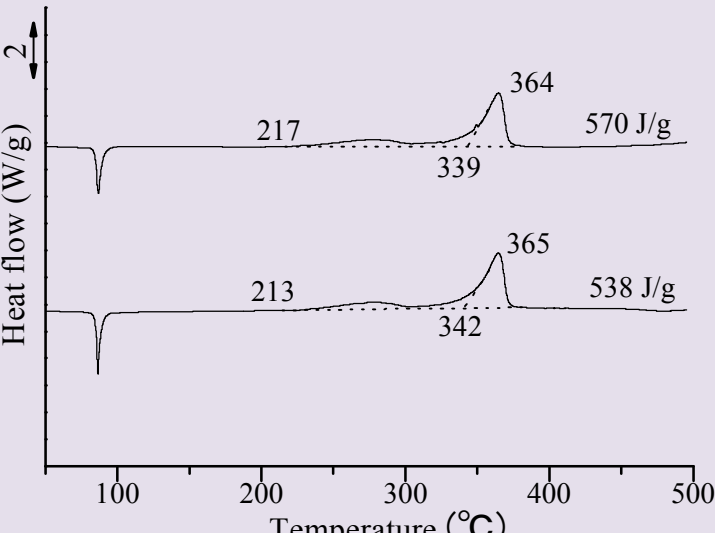
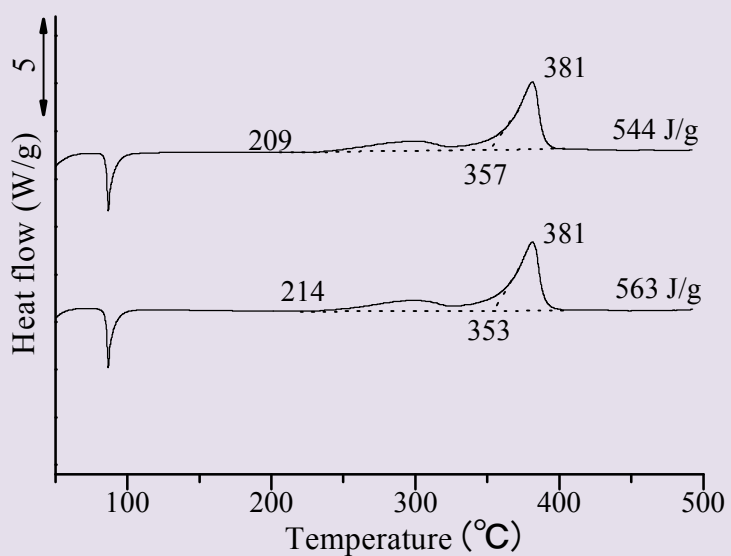


<p>4-(Phenylazo)diphenylamine</p>	<p>$C_{18}H_{15}N_3$ PADPA</p>
	<p>DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: TGI (> 98.0%)</p>
<p>a) 2 K/min TGI: 東京化成工業株式会社</p>	
	<p>< Average > T_a: 202 °C T_o: 323 °C T_{top}: 345 °C Q_{DSC}: 564 J/g</p>
<p>b) 5 K/min</p>	
	<p>< Average > T_a: 215 °C T_o: 241 °C T_{top}: 365 °C Q_{DSC}: 554 J/g</p>

c) 10 K/min



<Average>

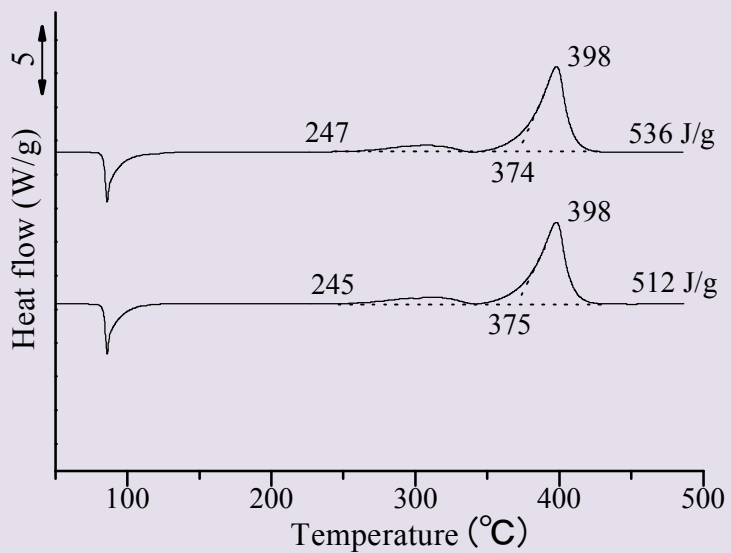
T_a : 212 °C

T_o : 355 °C

T_{top} : 381 °C

Q_{DSC} : 554 J/g

d) 20 K/min



<Average>

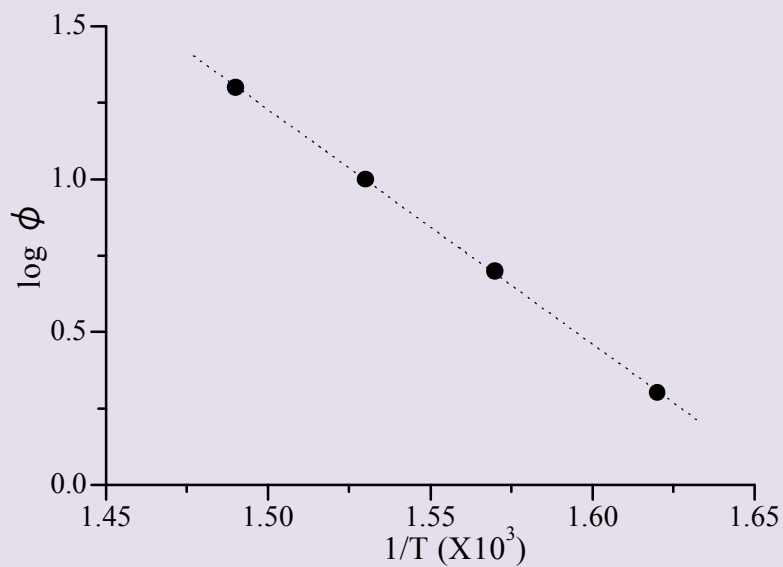
T_a : 546 °C

T_o : 375 °C

T_{top} : 398 °C

Q_{DSC} : 524 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	344	617	1.62	0.301
	345	618	1.62	0.301
5	364	637	1.57	0.699
	365	638	1.57	0.699
10	381	654	1.53	1.00
	381	654	1.53	1.00
20	398	671	1.49	1.30
	398	671	1.49	1.30