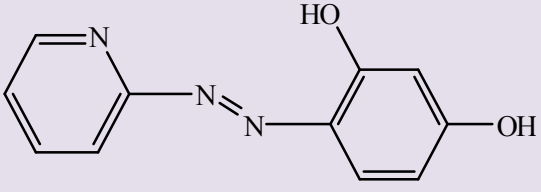
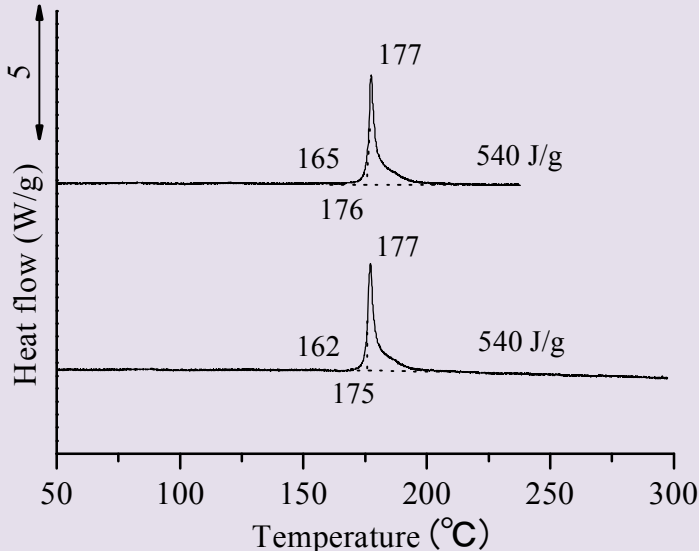
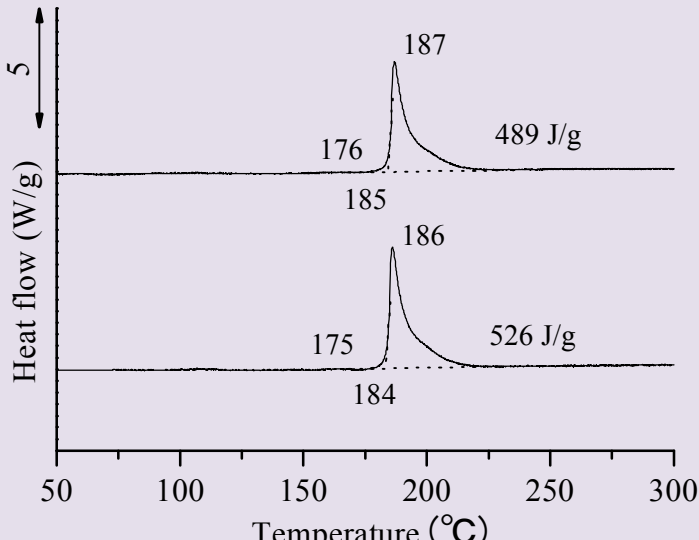
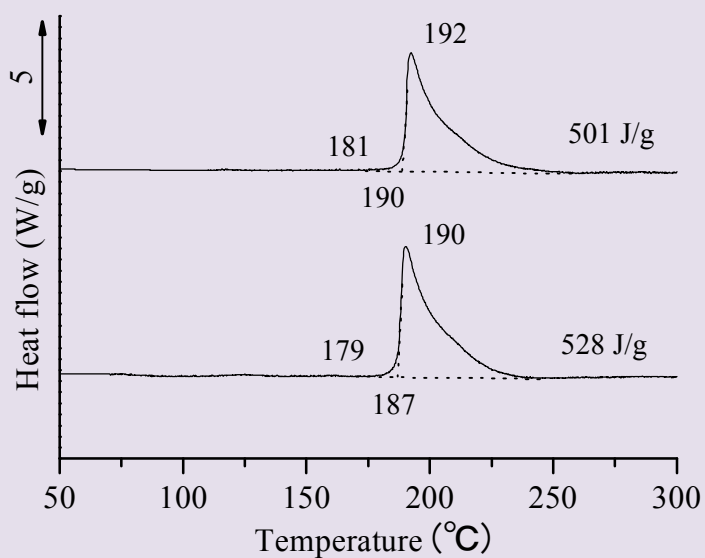


<p>4-(2-Pyridylazo)resorcinol</p>	<p>$C_{11}H_9N_3O_2$ PAR</p>
	<p>DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: TGI (> 98.0%)</p>
<p>a) 2 K/min TGI: 東京化成工業株式会社</p>	
	<p><Average> T_a: 164 °C T_o: 176 °C T_{top}: 177 °C Q_{DSC}: 540 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 176 °C T_o: 185 °C T_{top}: 187 °C Q_{DSC}: 508 J/g</p>

c) 10 K/min



<Average>

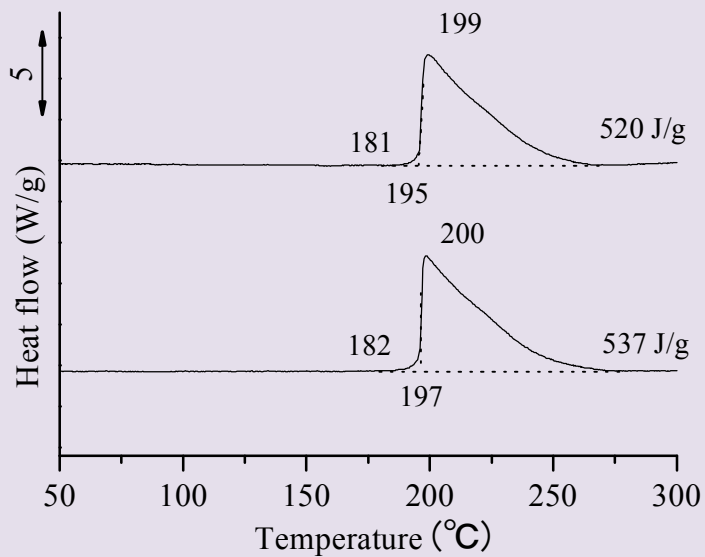
T_a : 180 °C

T_o : 189 °C

T_{top} : 191 °C

Q_{DSC} : 515 J/g

d) 20 K/min



<Average>

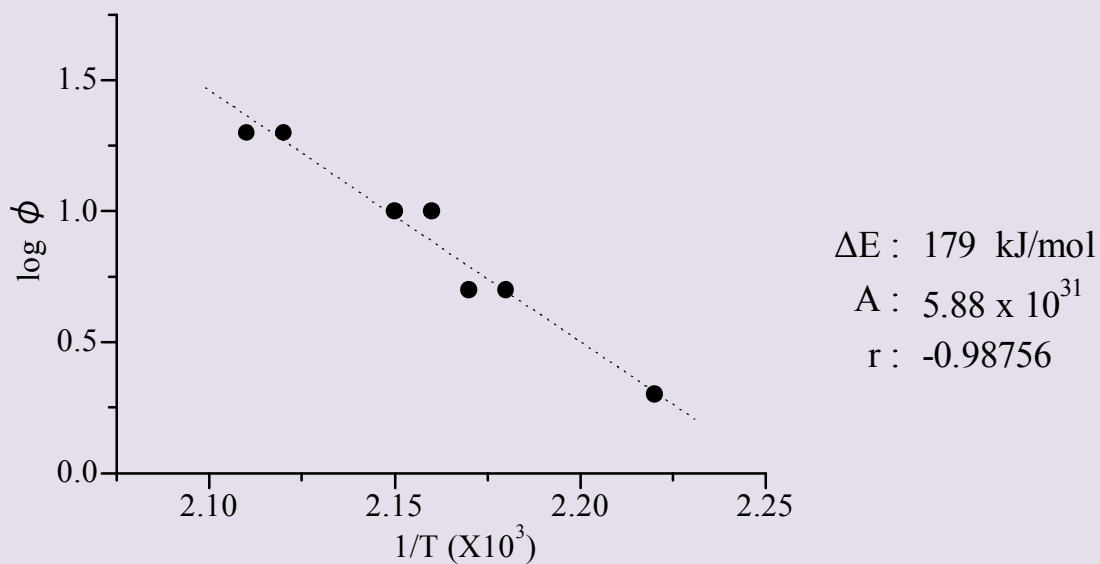
T_a : 182 °C

T_o : 196 °C

T_{top} : 200 °C

Q_{DSC} : 529 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} (°C)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	177	450	2.22	0.301
	177	450	2.22	0.301
5	187	460	2.17	0.699
	186	459	2.18	0.699
10	192	465	2.15	1.00
	190	463	2.16	1.00
20	199	472	2.12	1.30
	200	473	2.11	1.30