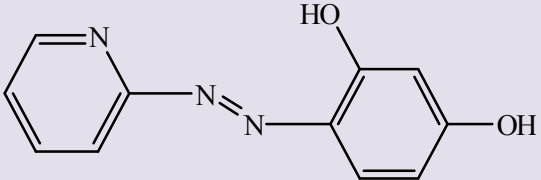
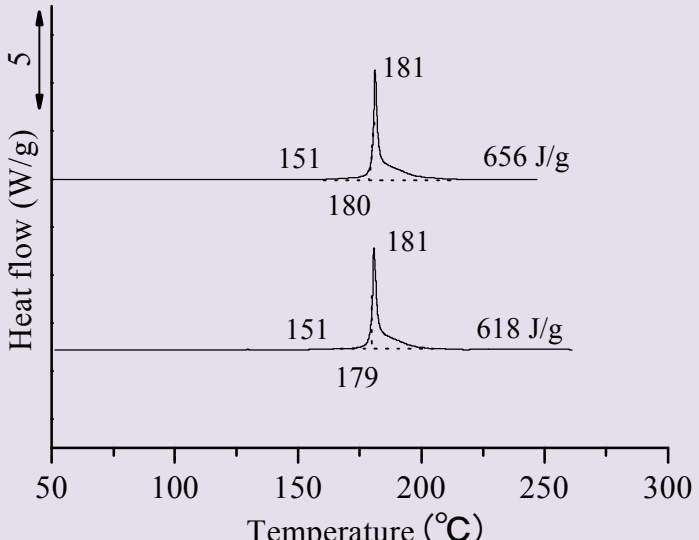
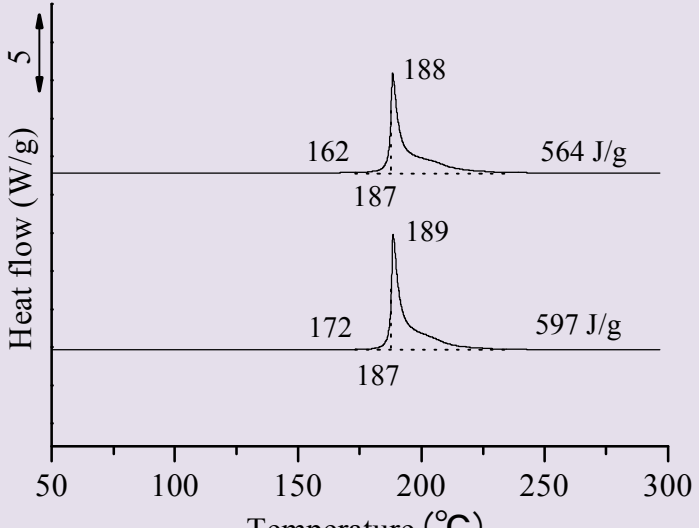
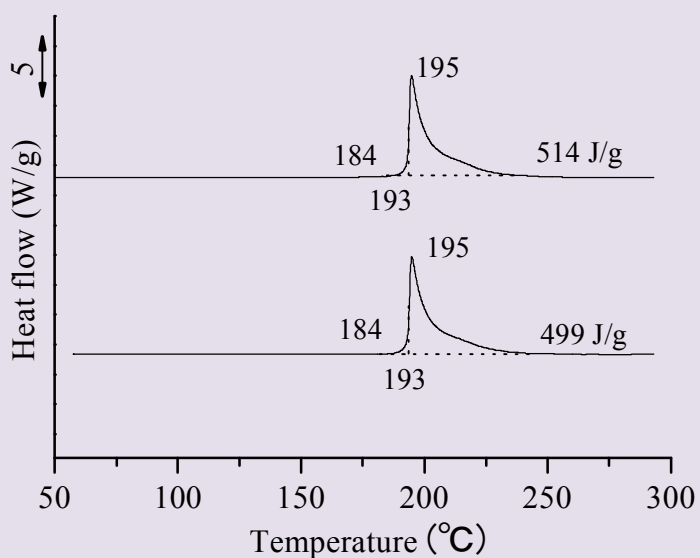


<p>4-(2-Pyridylazo)resorcinol</p>	<p><math>C_{11}H_9N_3O_2</math> PAR</p>
	<p>DSC device: SII DSC 7020                  SII Nano Technology Inc.                  dT/dt: 2, 5, 10, 20 K/min                  Atmosphere: Air                  Vesel: pressure vessel (SUS)                  SII Nano Technology Inc.                  Sample: TGI (&gt; 98.0%)</p>
<p>a) 2 K/min</p>	
	<p>&lt;Average&gt;  <math>T_a</math>: 151 °C  <math>T_o</math>: 180 °C  <math>T_{top}</math>: 181 °C  <math>Q_{DSC}</math>: 637 J/g</p>
<p>b) 5 K/min</p>	
	<p>&lt;Average&gt;  <math>T_a</math>: 167 °C  <math>T_o</math>: 187 °C  <math>T_{top}</math>: 189 °C  <math>Q_{DSC}</math>: 581 J/g</p>

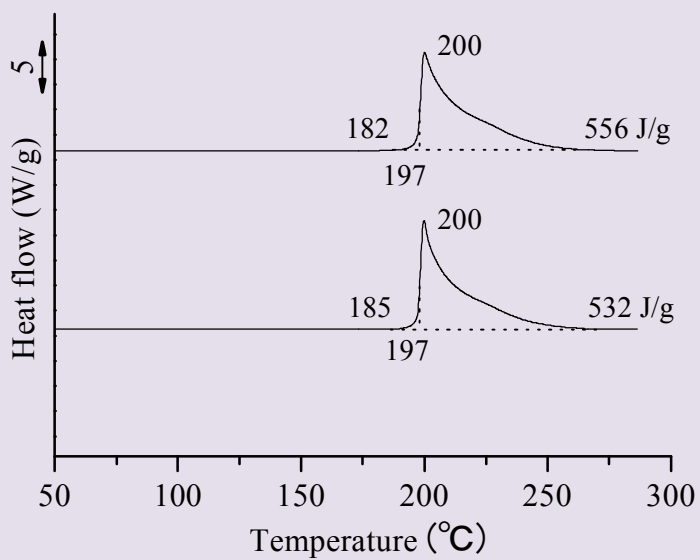
c) 10 K/min



<Average>

$T_a$  : 184 °C  
 $T_o$  : 193 °C  
 $T_{top}$  : 195 °C  
 $Q_{DSC}$  : 507 J/g

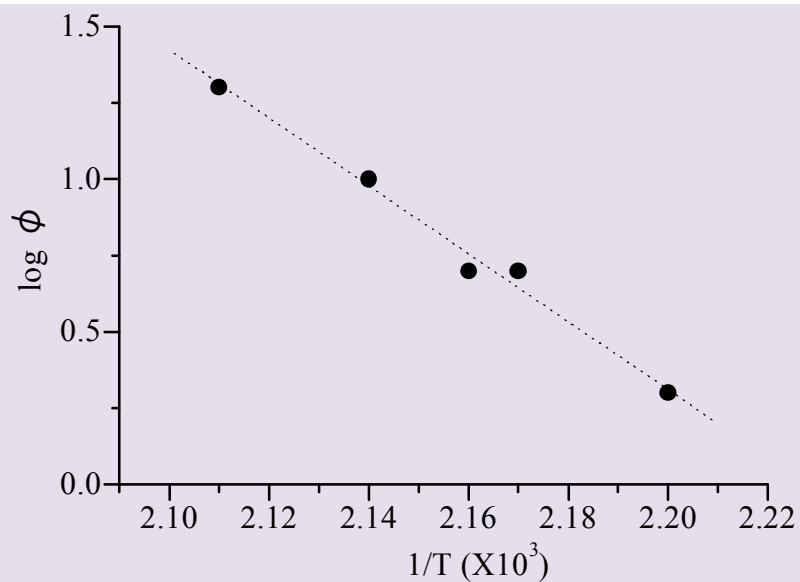
d) 20 K/min



<Average>

$T_a$  : 184 °C  
 $T_o$  : 197 °C  
 $T_{top}$  : 200 °C  
 $Q_{DSC}$  : 544 J/g

## ASTM PLOT



Heat rate $\phi$ (K/min)	$T_{\text{peak}}$ ( $^{\circ}\text{C}$ )	$T_m$ (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	181	454	2.20	0.301
	181	454	2.20	0.301
5	188	461	2.17	0.699
	189	462	2.16	0.699
10	195	468	2.14	1.00
	195	468	2.14	1.00
20	200	473	2.11	1.30
	200	473	2.11	1.30