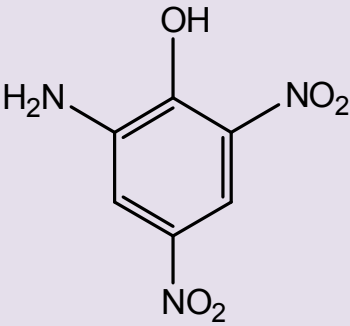
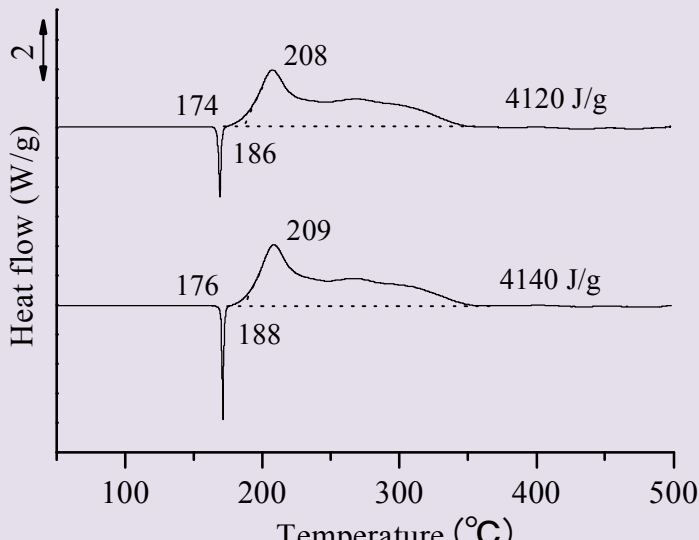
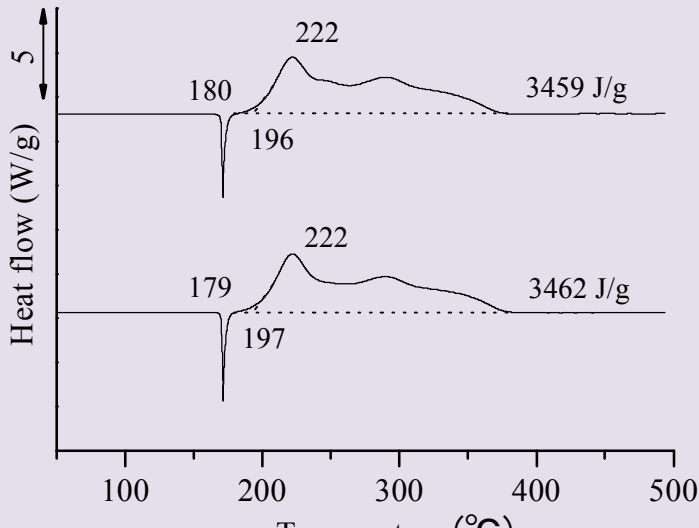
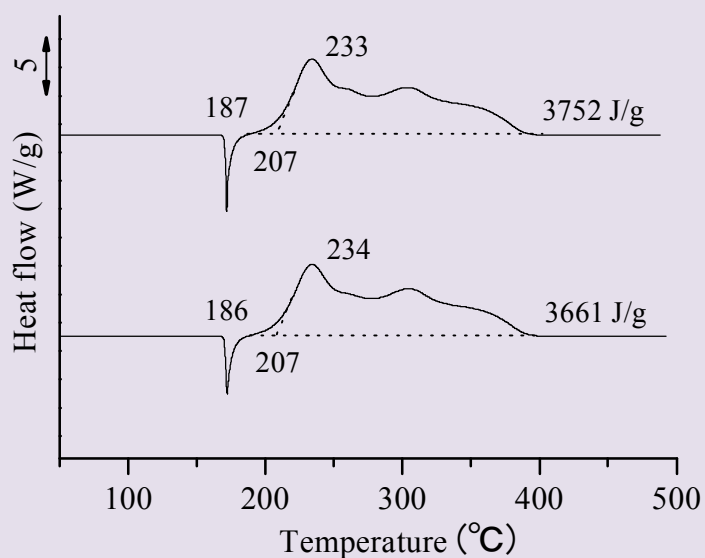


Picramic Acid	NH ₂ C ₆ H ₂ (NO ₂) ₂ OH PRA
	DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: TGI (> 98.0%)
a) 2 K/min TGI: 東京化成工業株式会社	
 <div style="float: right; margin-top: 20px;"> <p><Average></p> <p>T_a: 175 °C</p> <p>T_o: 187 °C</p> <p>T_{top}: 209 °C</p> <p>Q_{DSC}: 4130 J/g</p> </div>	
b) 5 K/min	
 <div style="float: right; margin-top: 20px;"> <p><Average></p> <p>T_a: 180 °C</p> <p>T_o: 197 °C</p> <p>T_{top}: 222 °C</p> <p>Q_{DSC}: 3461 J/g</p> </div>	

c) 10 K/min



< Average >

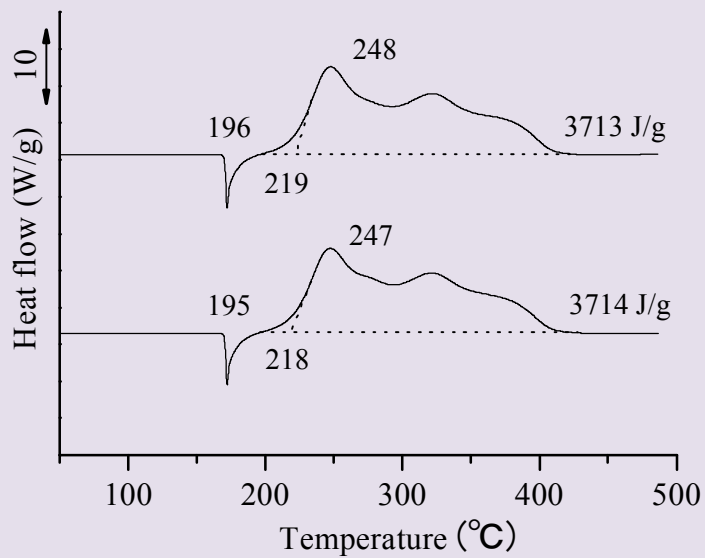
T_a : 187 °C

T_o : 207 °C

T_{top} : 234 °C

Q_{DSC} : 3707 J/g

d) 20 K/min



< Average >

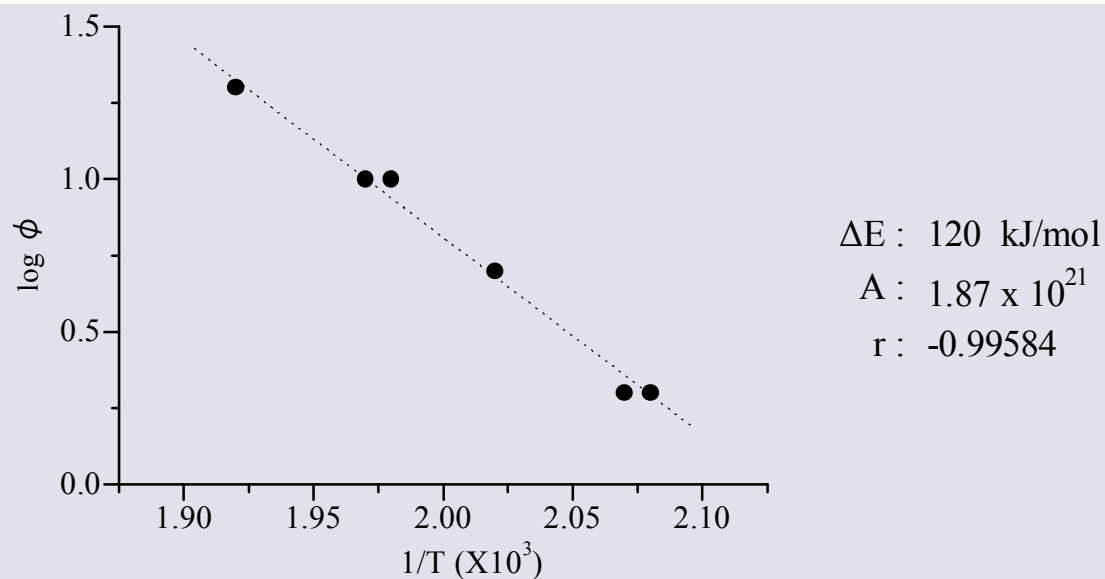
T_a : 196 °C

T_o : 219 °C

T_{top} : 248 °C

Q_{DSC} : 3714 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	208	481	2.08	0.301
	209	482	2.07	0.301
5	222	495	2.02	0.699
	222	495	2.02	0.699
10	233	506	1.98	1.00
	234	507	1.97	1.00
20	248	521	1.92	1.30
	247	520	1.92	1.30