

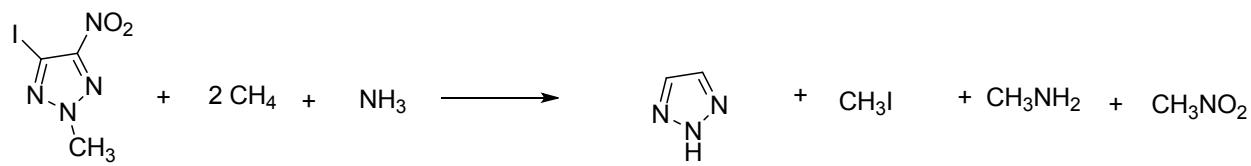
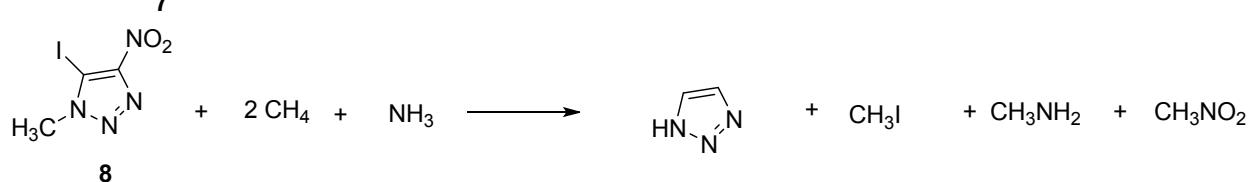
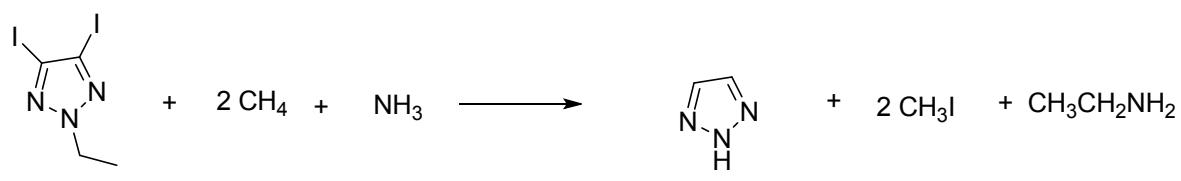
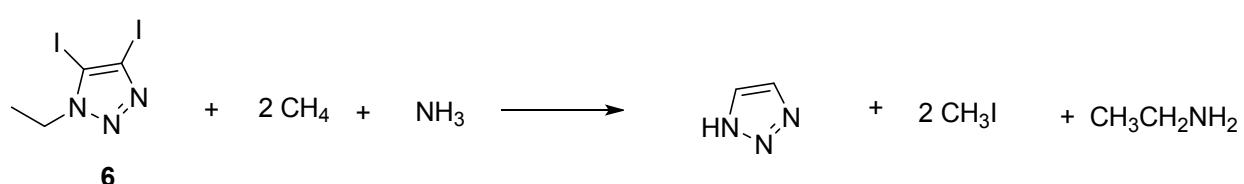
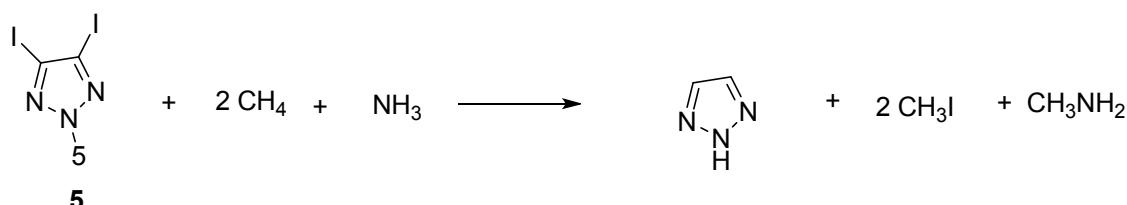
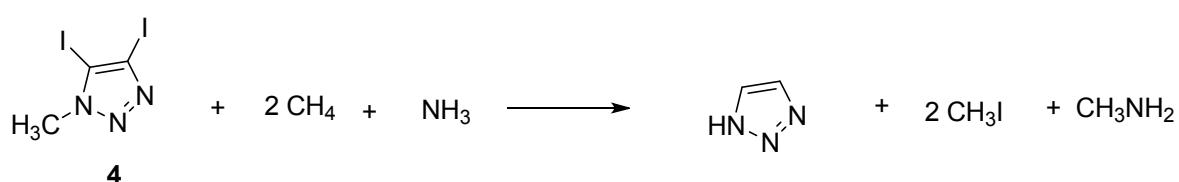
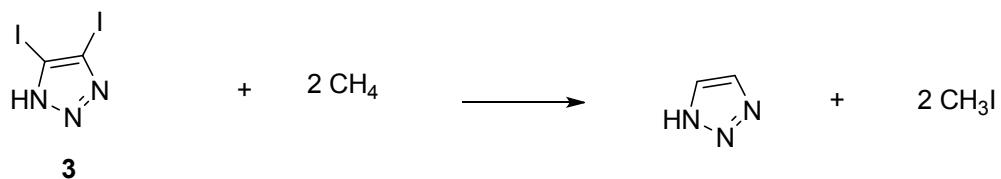
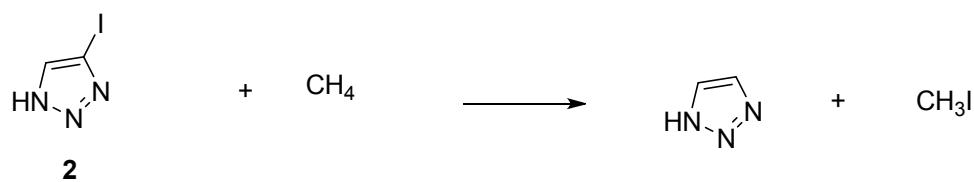
Electronic Supplementary Information

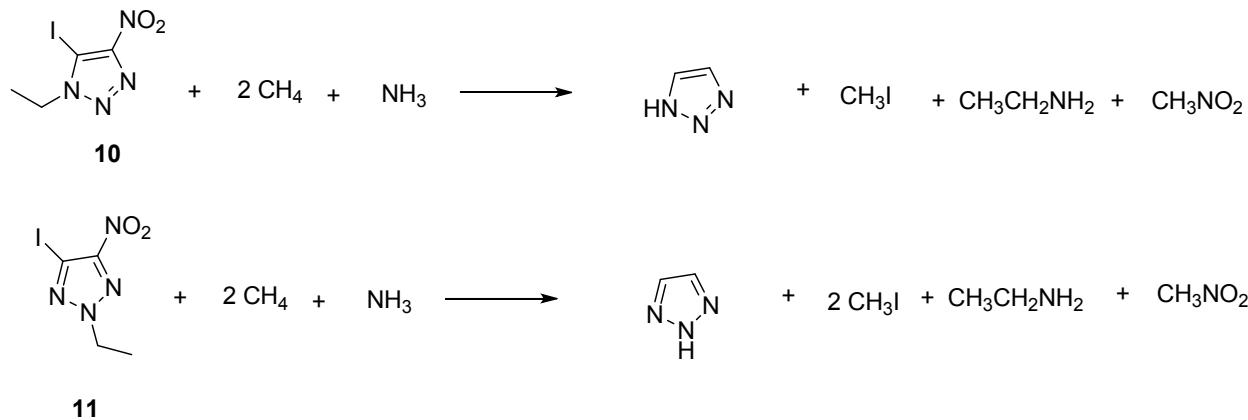
Mono- and Diiodo-1,2,3-Triazoles and Their Mono Nitro Derivatives

Deepak Chand, Chunlin He, James P. Hooper, Lauren A. Mitchell, Damon A. Parrish, and Jean'ne M. Shreeve*

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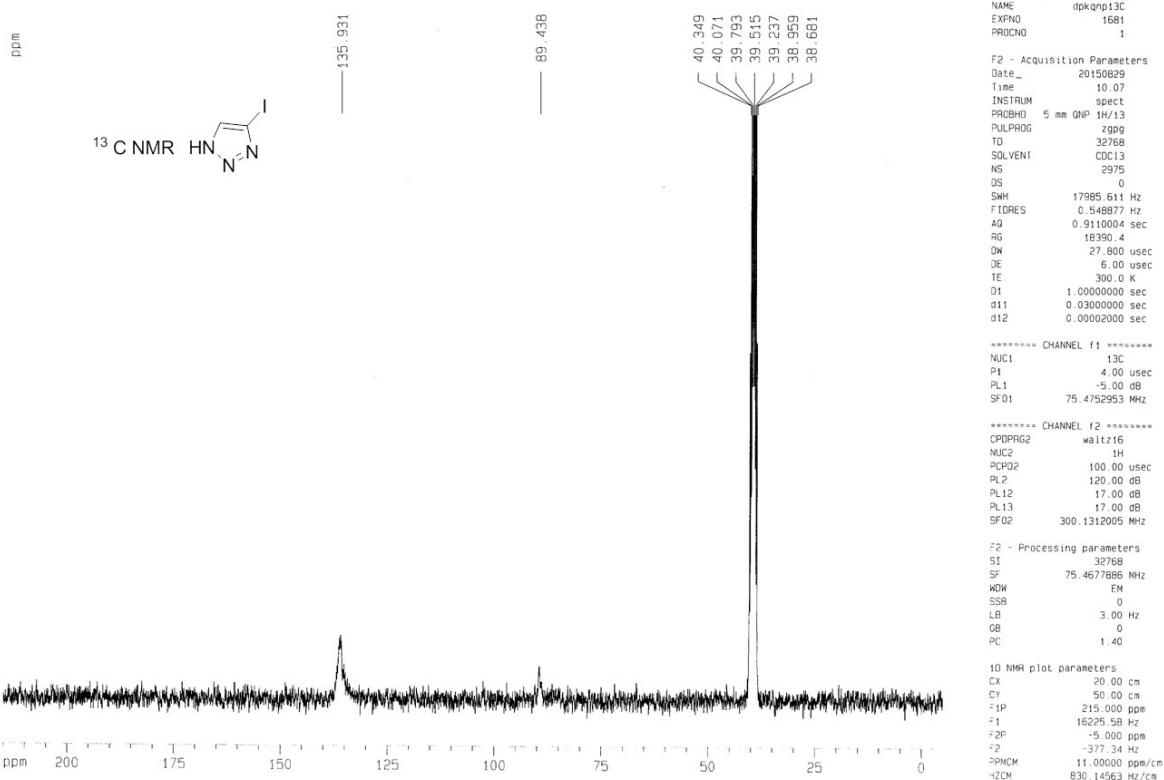
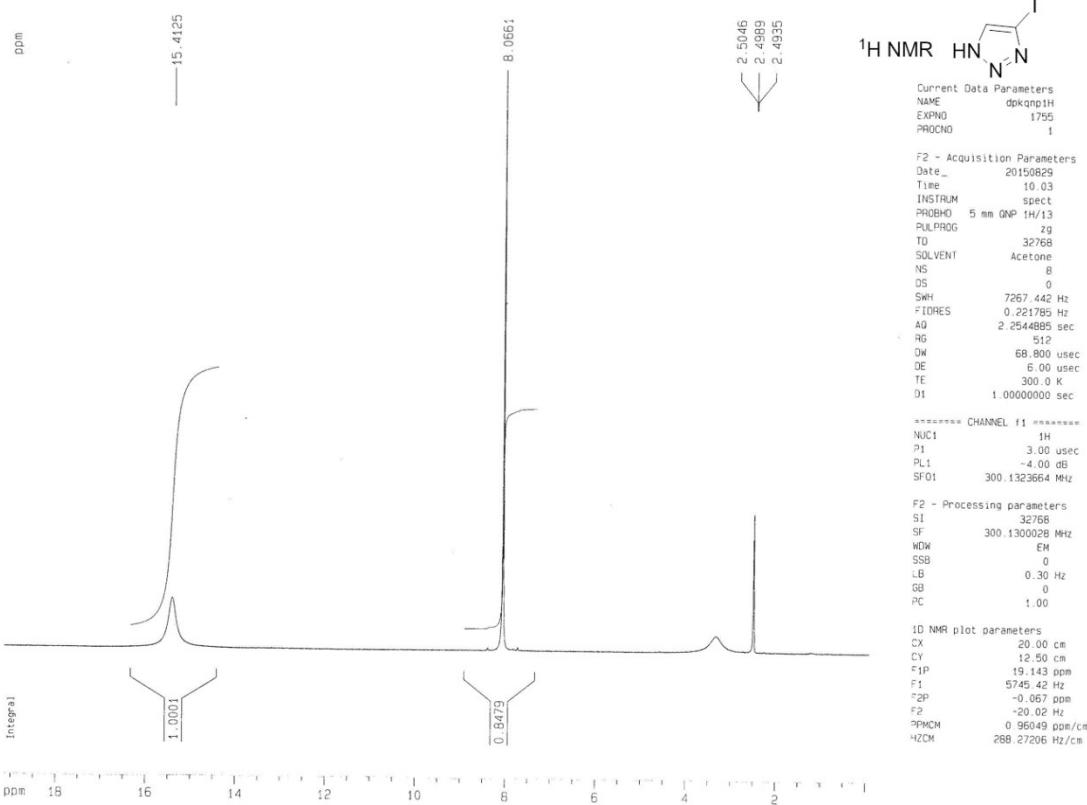
Scheme S1: Isodesmic reactions

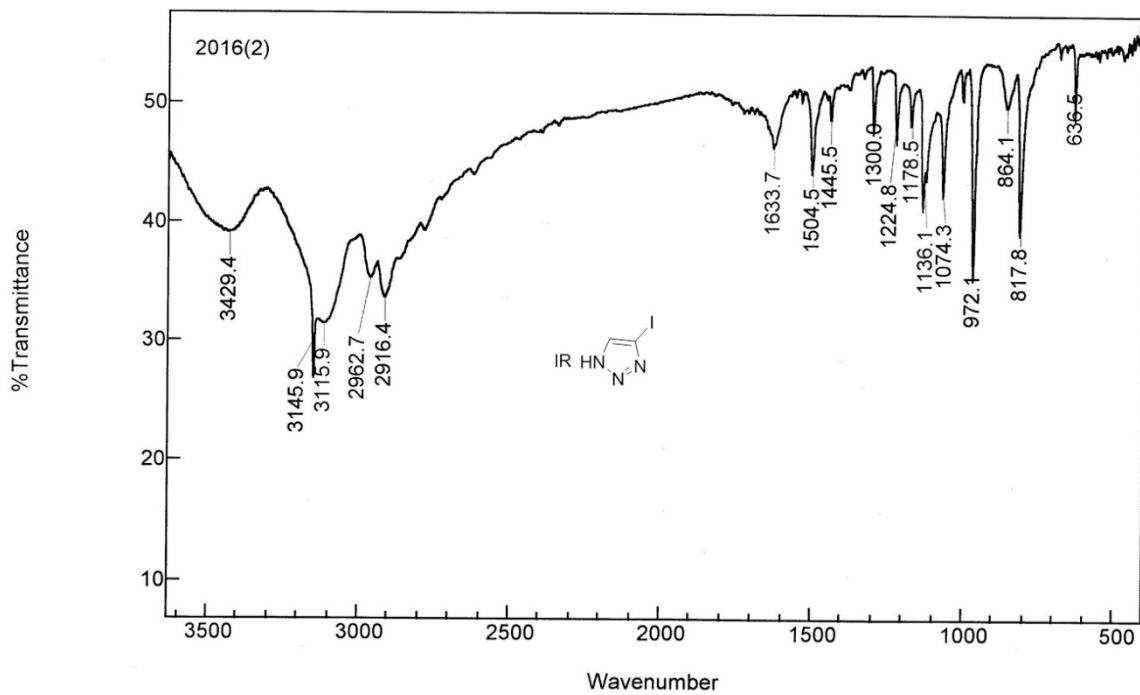
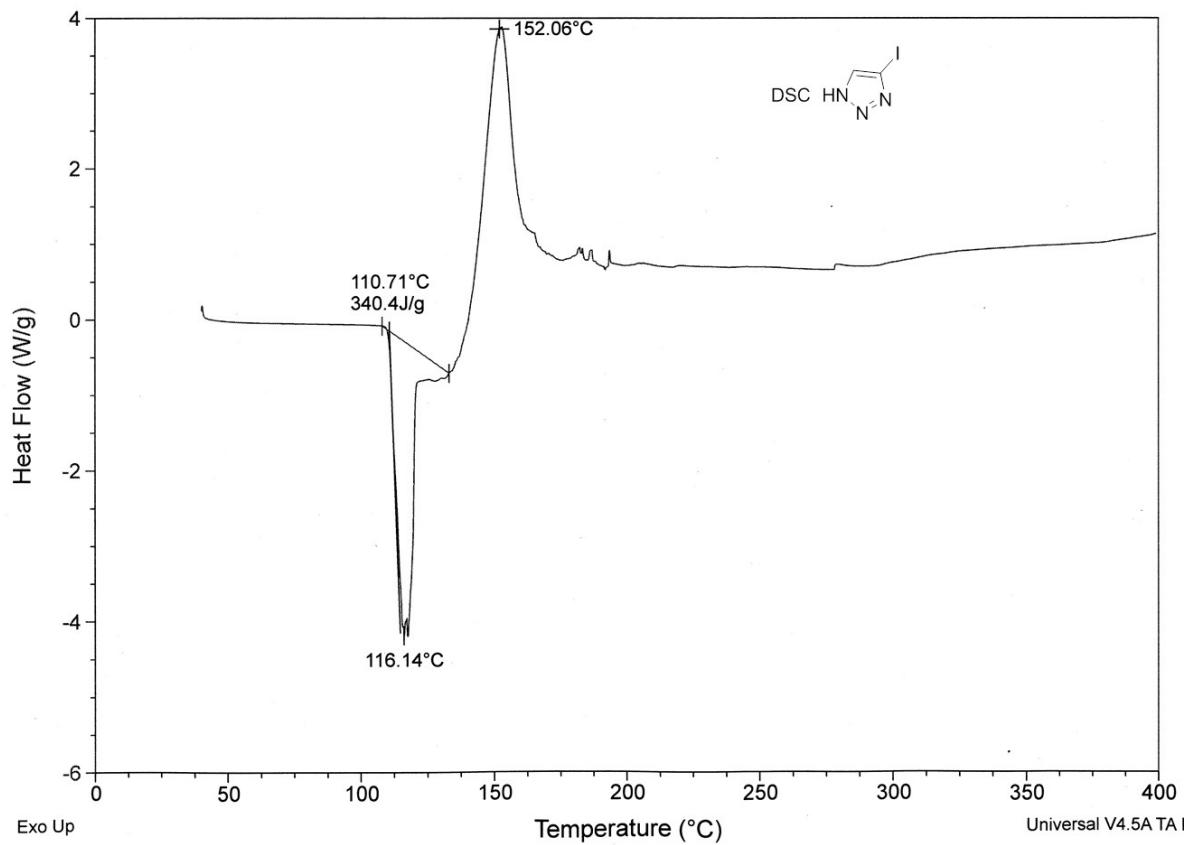
Table S1: Crystallographic data for compounds 5, 6, 8 and 10.

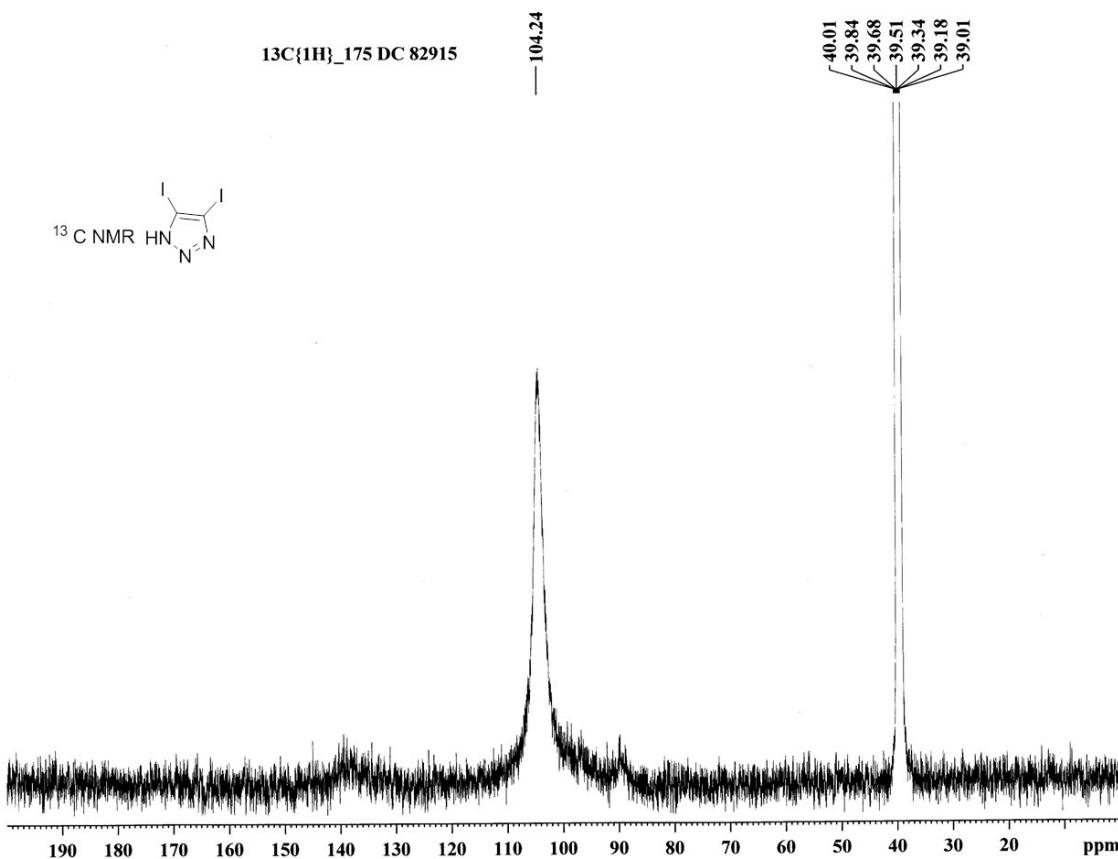
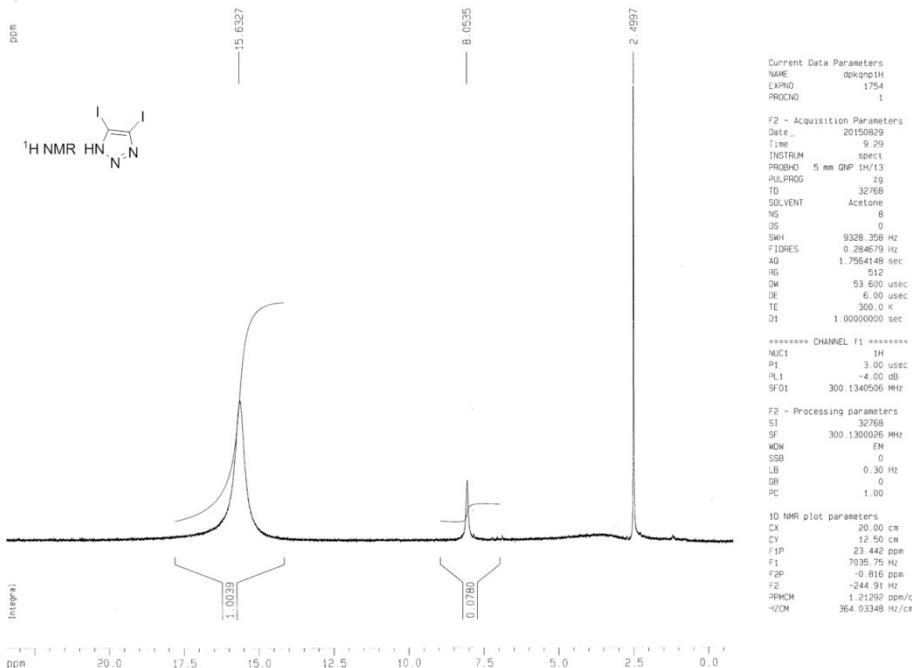
Compound	5	6	8	10
Formula	C ₃ H ₃ I ₂ N ₃	C ₄ H ₅ I ₂ N ₃	C ₃ H ₃ IN ₄ O ₂	C ₄ H ₅ IN ₄ O ₂
CCDC number	1446302	1446304	1446331	1446333
M _w	334.88	348.91	253.99	268.02
Crystal size [mm ³]	0.399 x 0.206 x 0.018	0.316 x 0.115 x 0.104	0.223 x 0.150 x 0.037	0.174 x 0.077 x 0.014
Crystal system	Orthorhombic	Triclinic	Triclinic	Triclinic
Space group	Pmn2 ₁	P-1	P-1	P-1
a [Å]	11.4559(8)	7.274(3)	7.0649(12)	6.9327(11)
b [Å]	4.1982(3)	7.508(3)	7.2001(12)	7.2485(11)
c [Å]	7.7048(5)	7.980(3)	70.362(5)	8.5638(12)
α [°]	90	84.239(4)	64.462(5)	77.511(5)
β [°]	90	83.370(5)	64.462(5)	67.263(4)°
γ [°]	90	68.174(4)	86.027(5)	83.499(5)°
V[Å ³]	370.56(4)	401.1(3)	339.95(10)	387.30(10)
Z	2	2	2	2

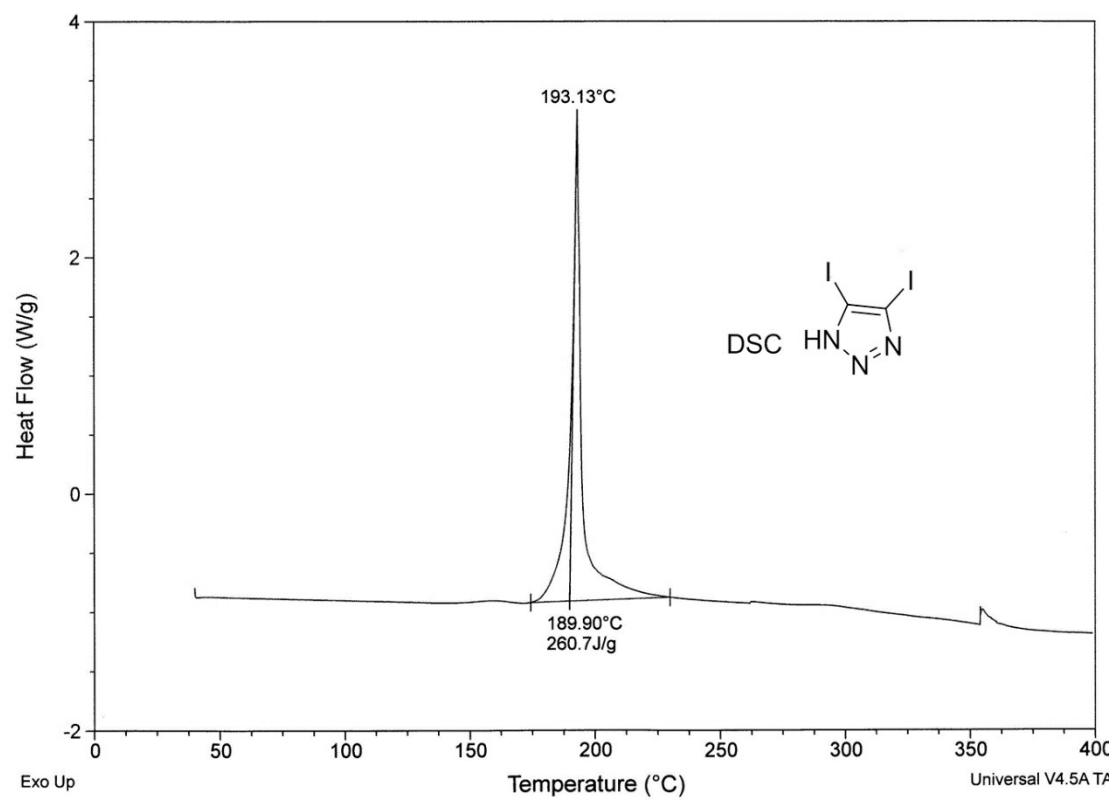
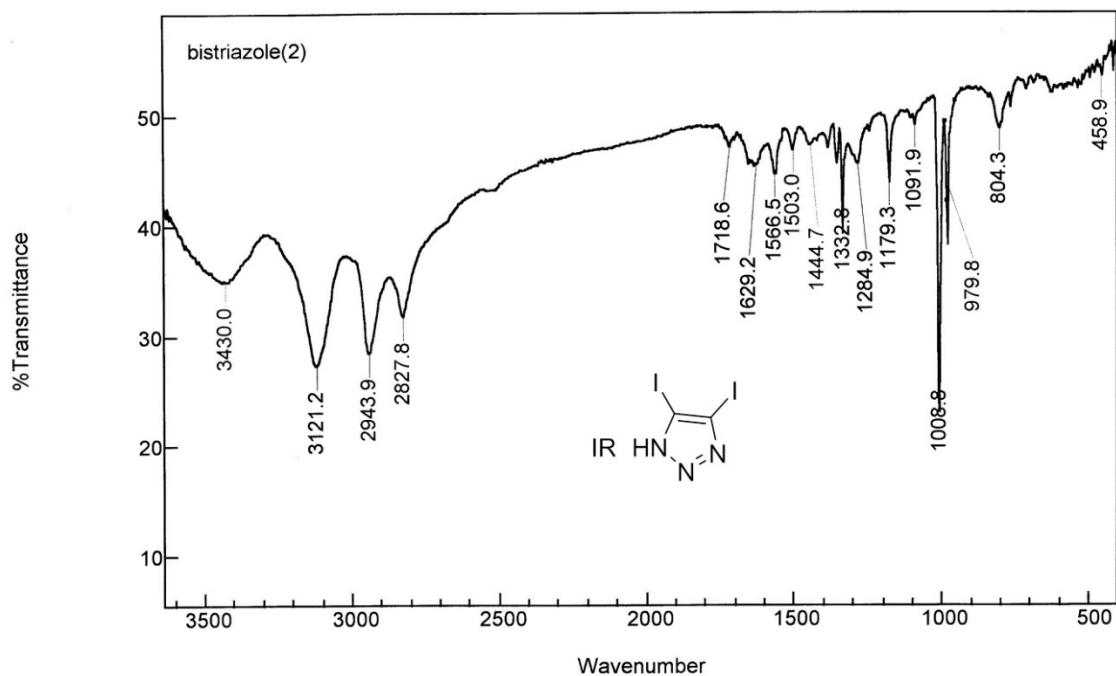
T [K]	150(2)	150(2)	150(2)	150(2)
ρ_{calcd} [Mg m ⁻³]	3.001	2.889	2.481	2.298
μ [mm ⁻¹]	8.396	7.763	4.654	4.091
$F(000)$	296	312	236	252
θ°	3.186 to 27.485	2.928 to 30.405	3.016 to 25.507	2.626 to 30.413
Index ranges	-14<=h<=14 -5<=k<=5 -9<=l<=10	-9<=h<=10 -10<=k<=10 -0<=l<=11	-8<=h<=8 -8<=k<=8 -9<=l<=9	-9<=h<=9 -9<=k<=10 -12<=l<=12
Reflections collected	3581	2117	2656	4209
Independent reflections (R_{int})	838 [$R_{\text{int}} = 0.0397$]	2117	1247 [$R_{\text{int}} = 0.0342$]	2103 [$R_{\text{int}} = 0.0276$]
Data/restraints/parameters	838 / 1 / 41	2117 / 0 / 84	1247 / 0 / 92	2103 / 0 / 101
GOF on F^2	1.088	1.165	1.065	1.049
R_1 ($I > 2\delta(I)$) ^a	0.0186	0.0308	0.0312	0.0283
wR_2 ($I > 2\delta(I)$) ^b	0.0452	0.0808	0.0762	0.0648
R_1 (all data)	0.0187	0.0344	0.0341	0.0351
wR_2 (all data)	0.0453	0.0831	0.0788	0.0675
Largest diff. peak and hole [e. Å ⁻³]	0.816 and -0.716	1.489 and -1.117	1.083 and -1.189	1.243 and -1.382

$$^a R_1 = \sum |F_0| - |F_c| / \sum |F_0| \quad ^b R_2 = [\sum w(F_0^2 - F_c^2)^2 / \sum w(F_0^2)^2]^{1/2}$$

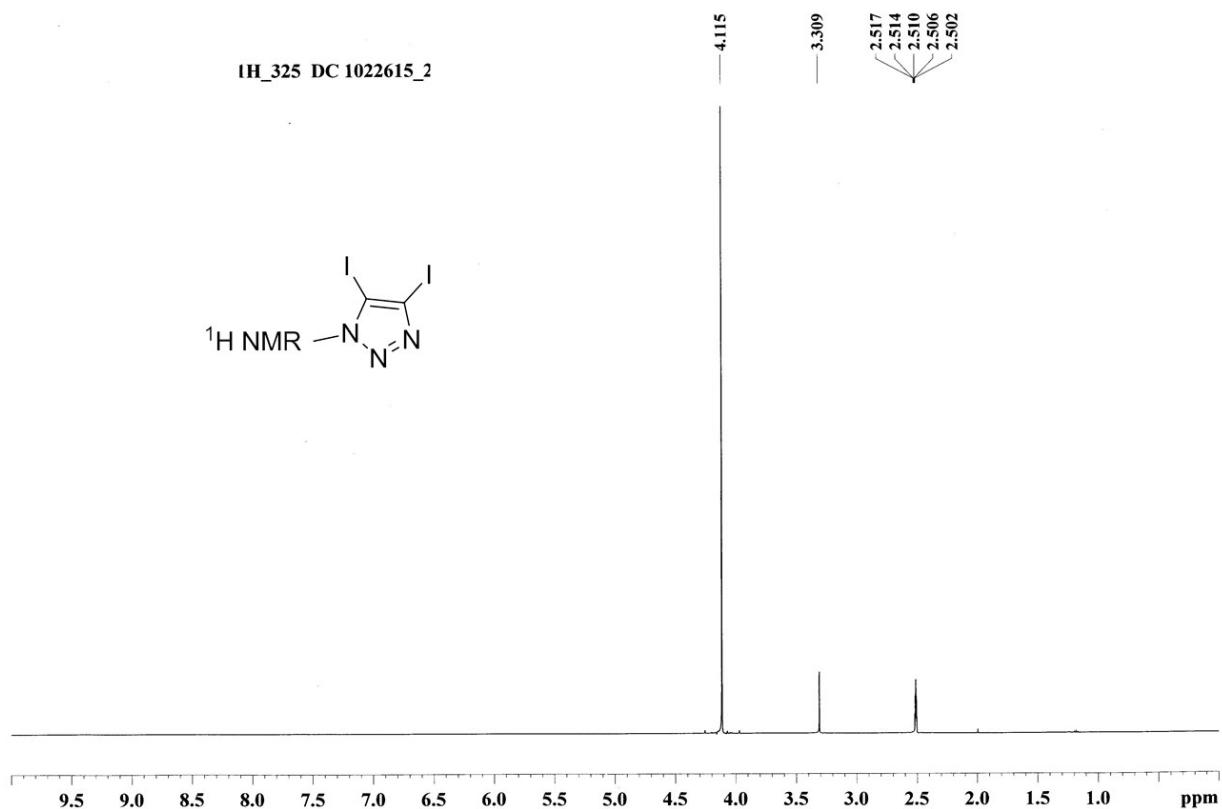
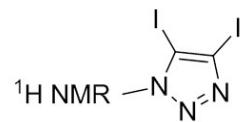




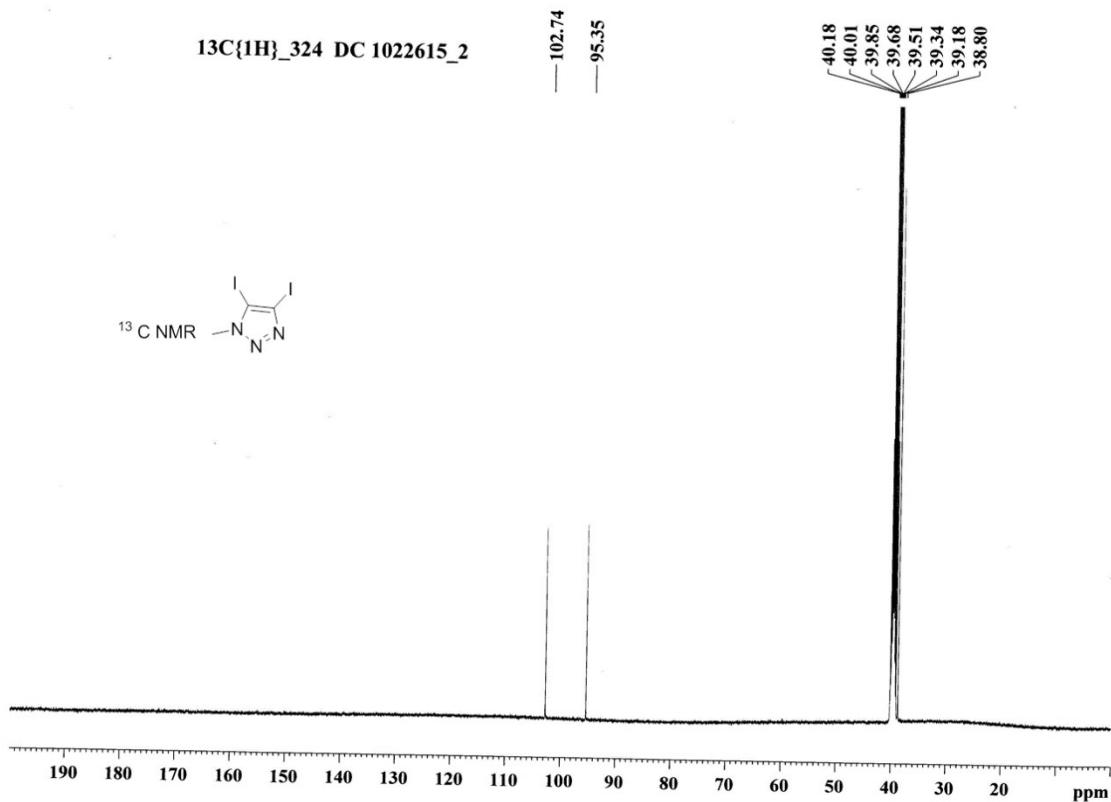
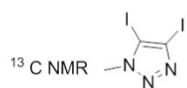


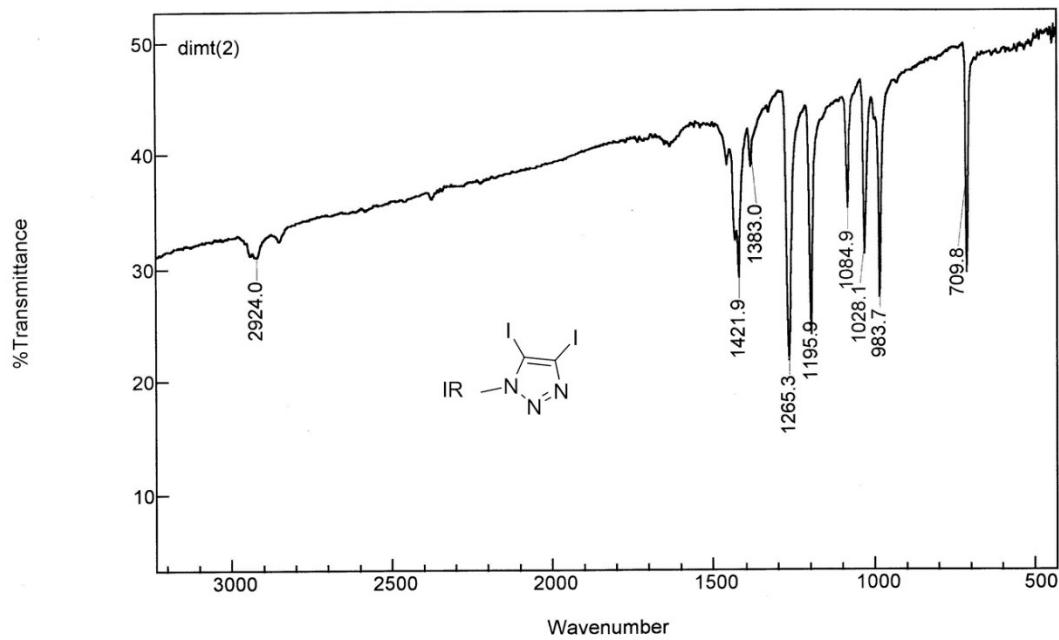
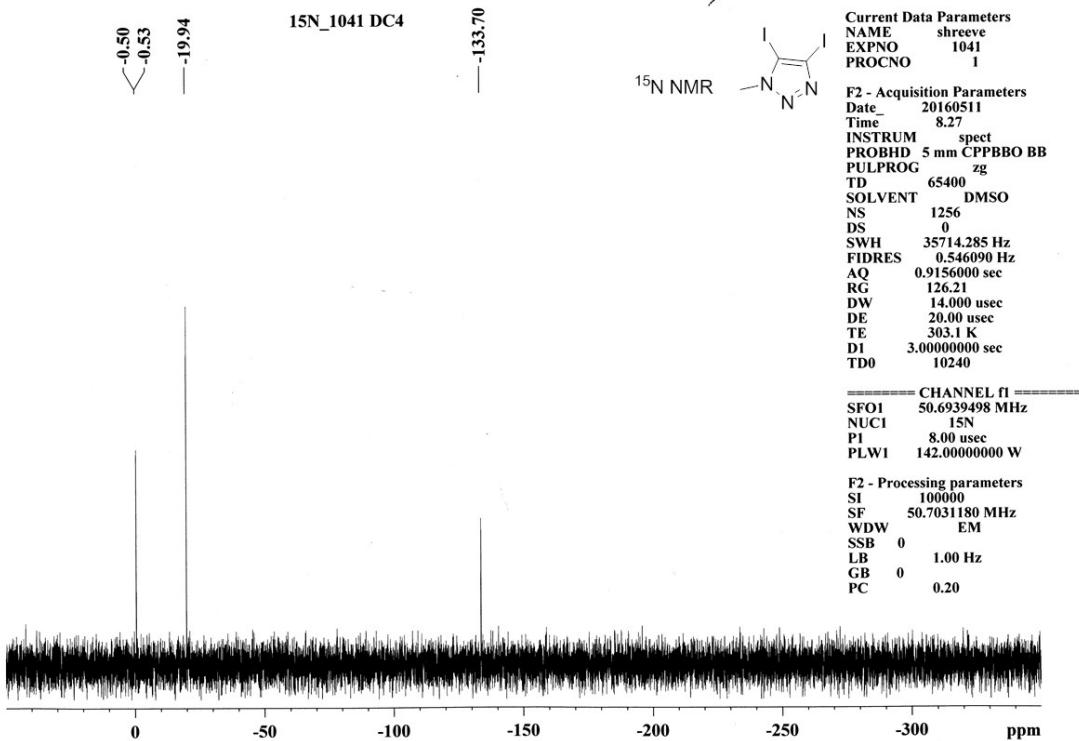


¹H_325 DC 1022615_2



¹³C{¹H}_324 DC 1022615_2

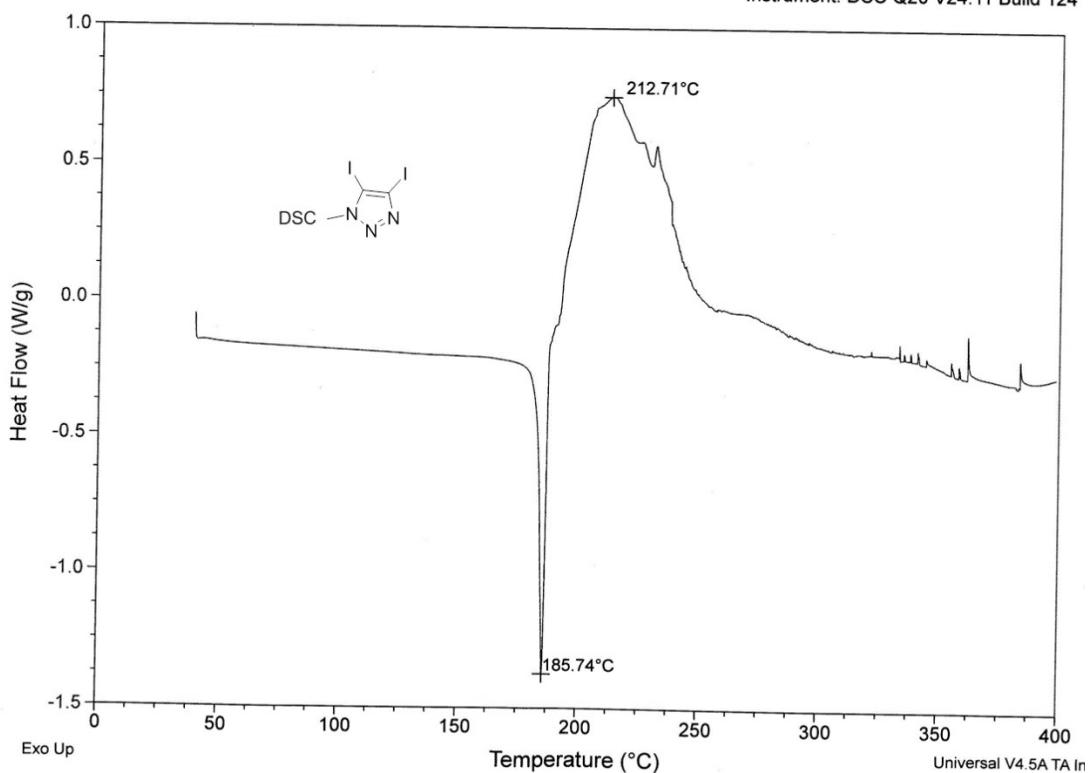




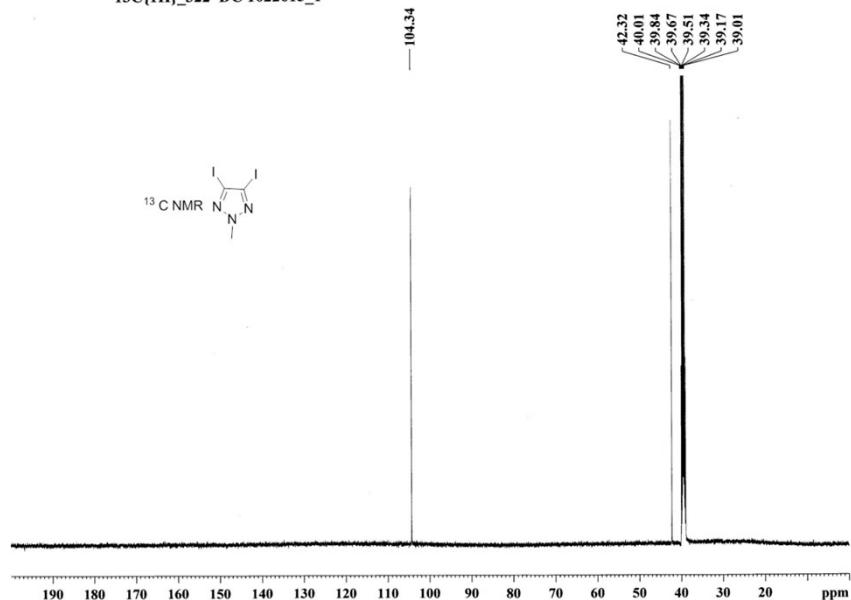
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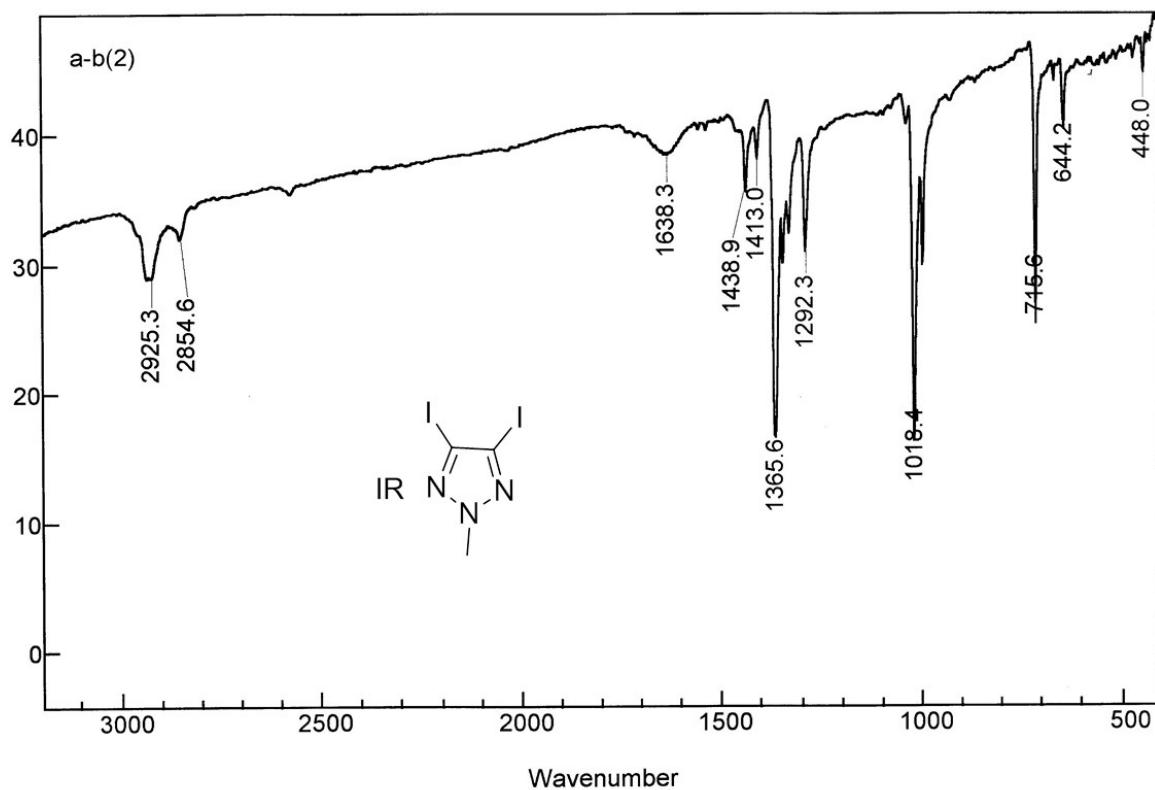
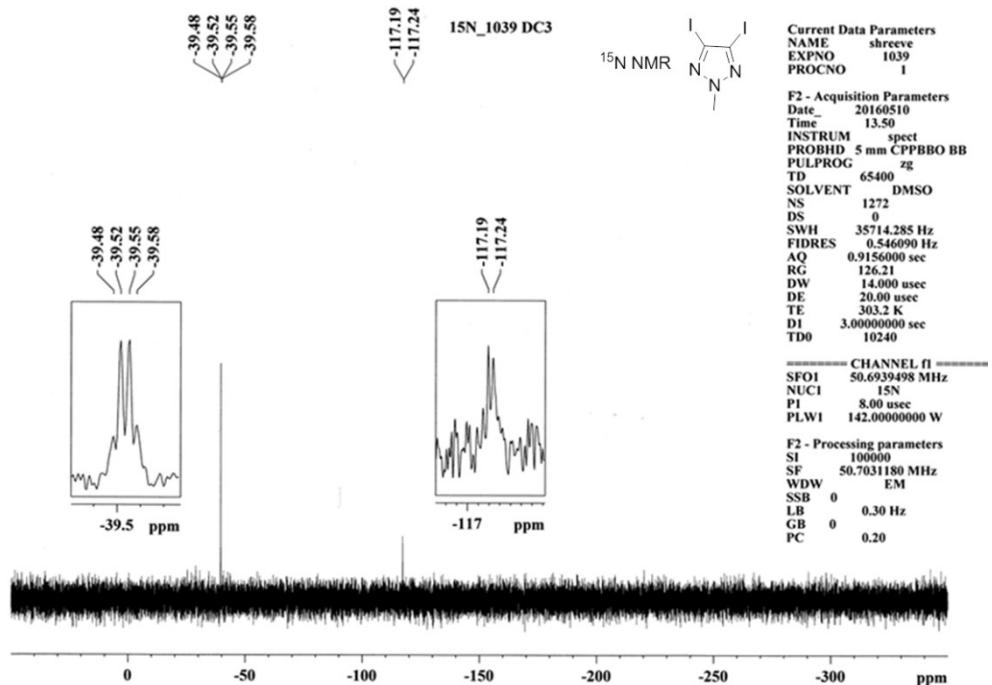
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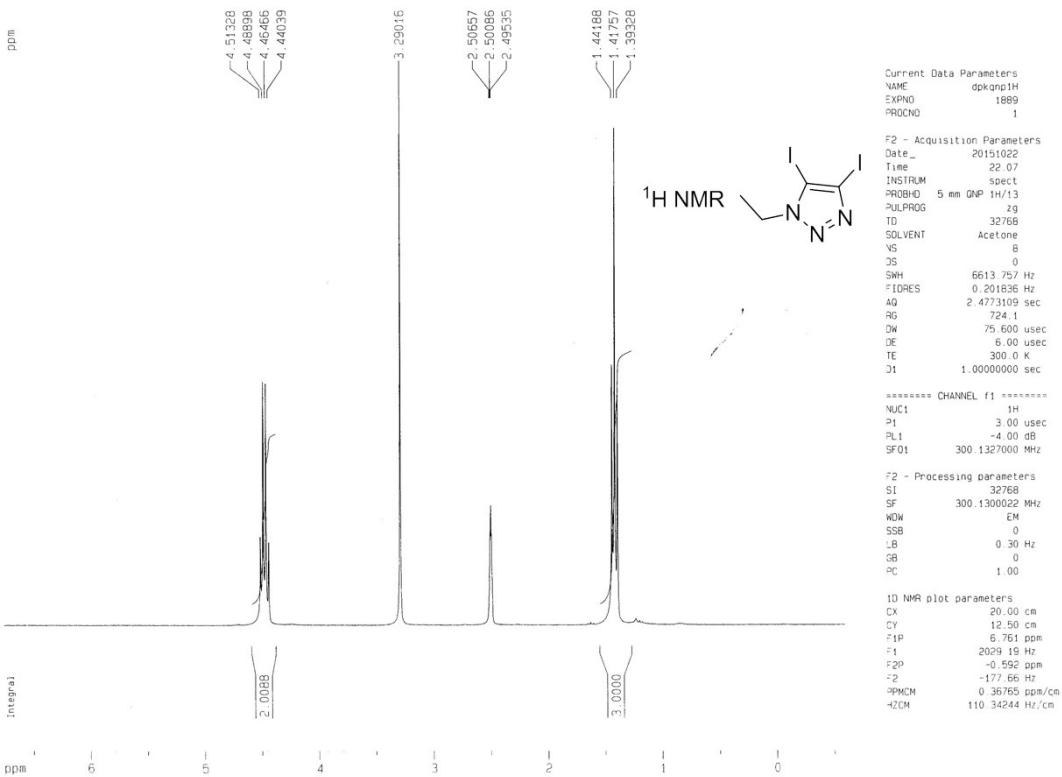
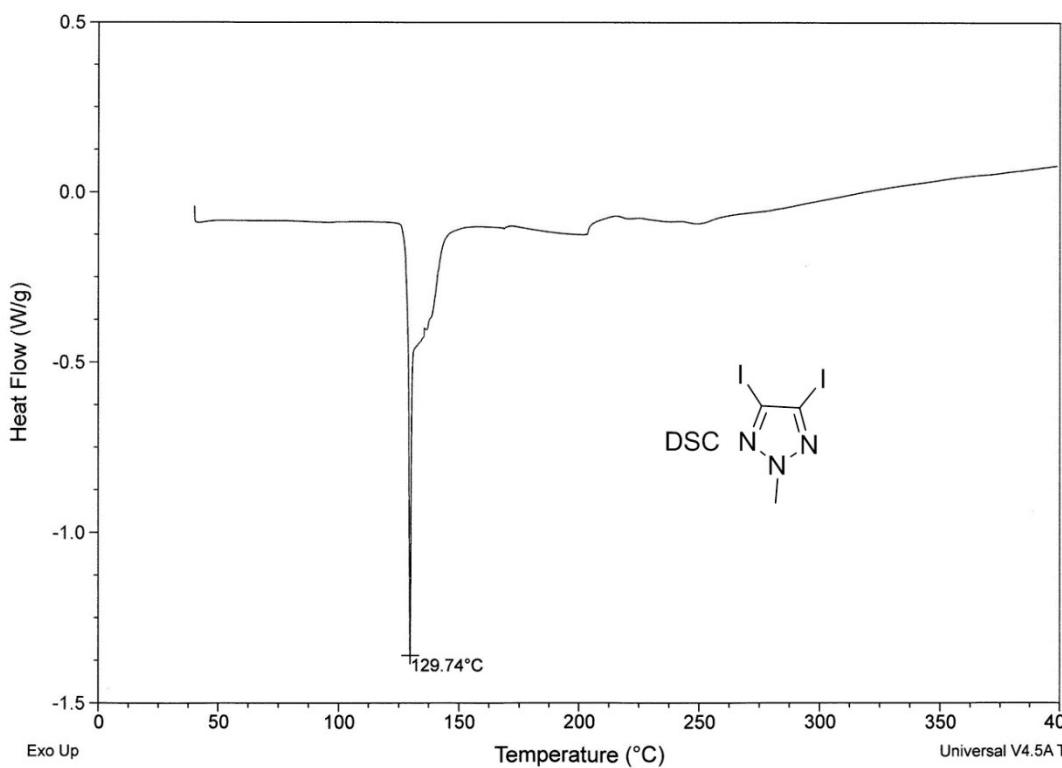
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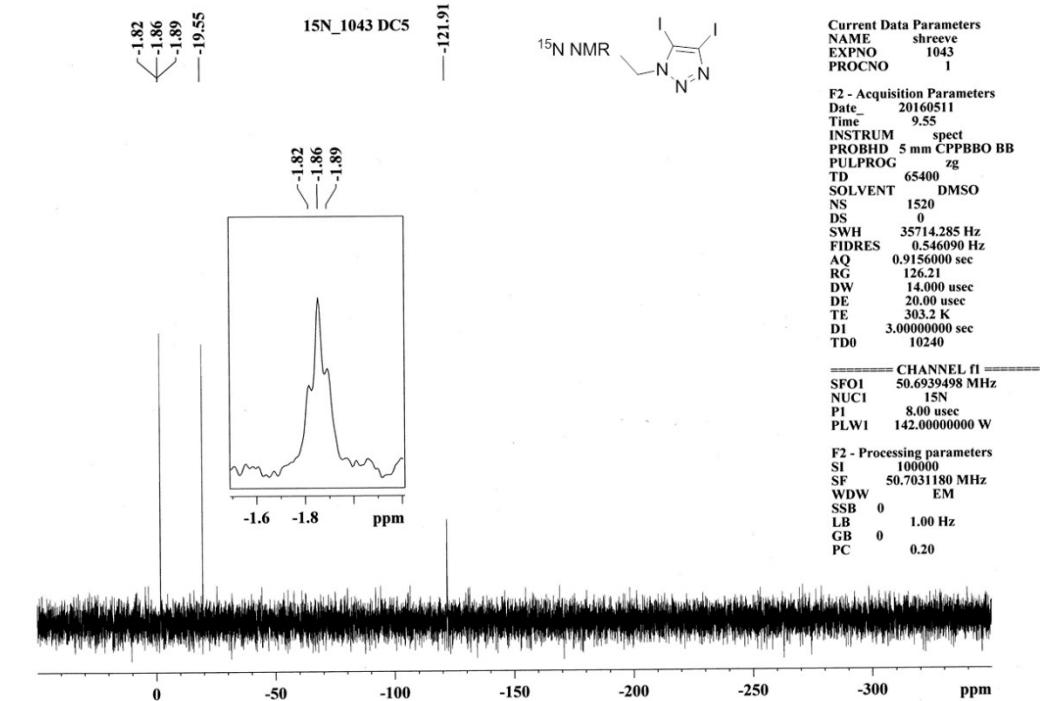
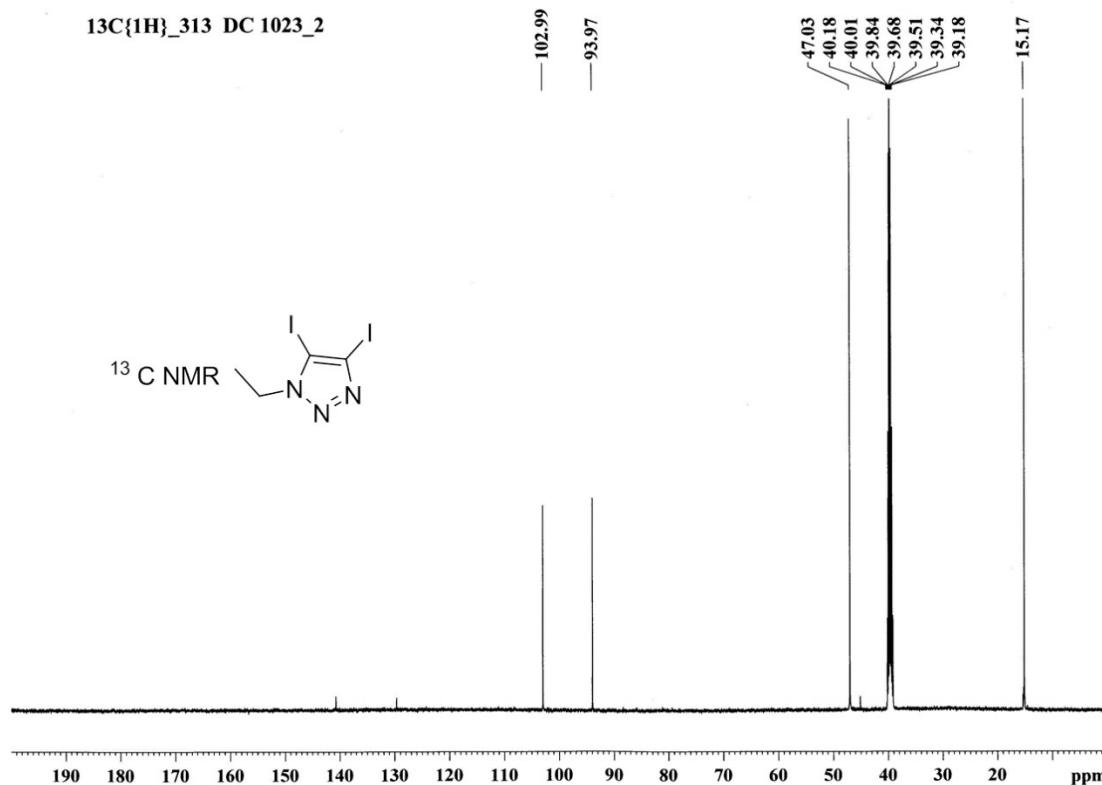
¹³C{1H}_322 DC 1022615_1



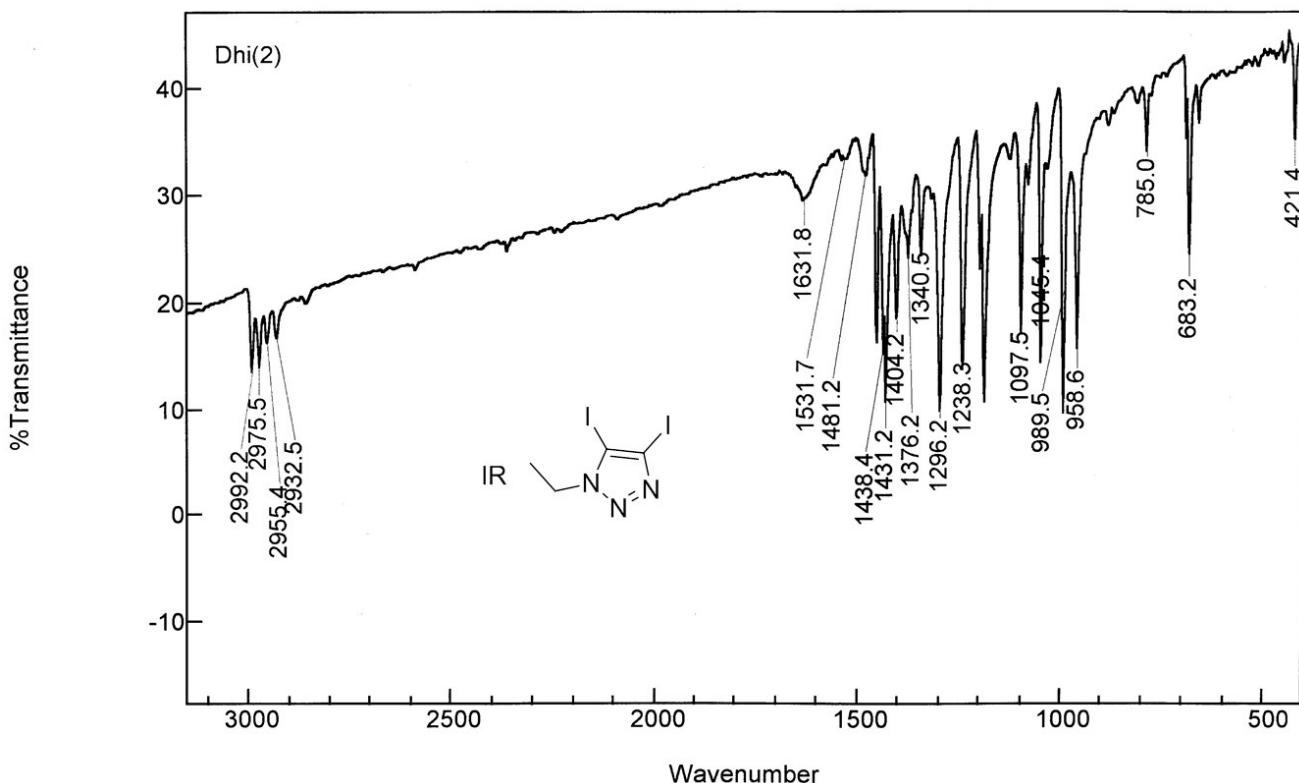




¹³C{¹H}_313 DC 1023_2



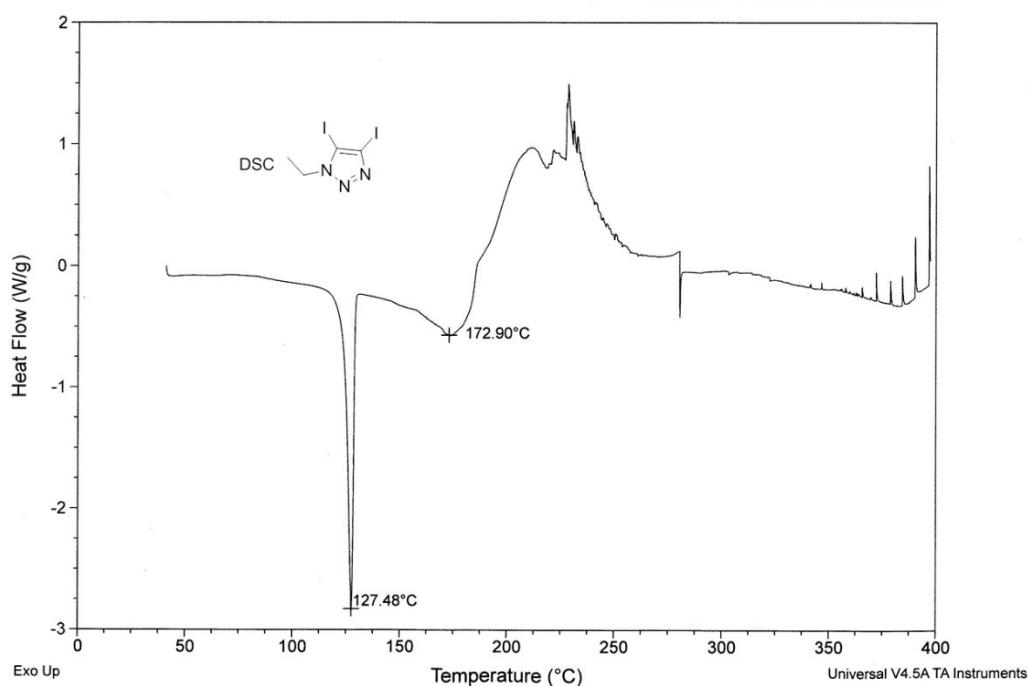
Bio-Rad Merlin

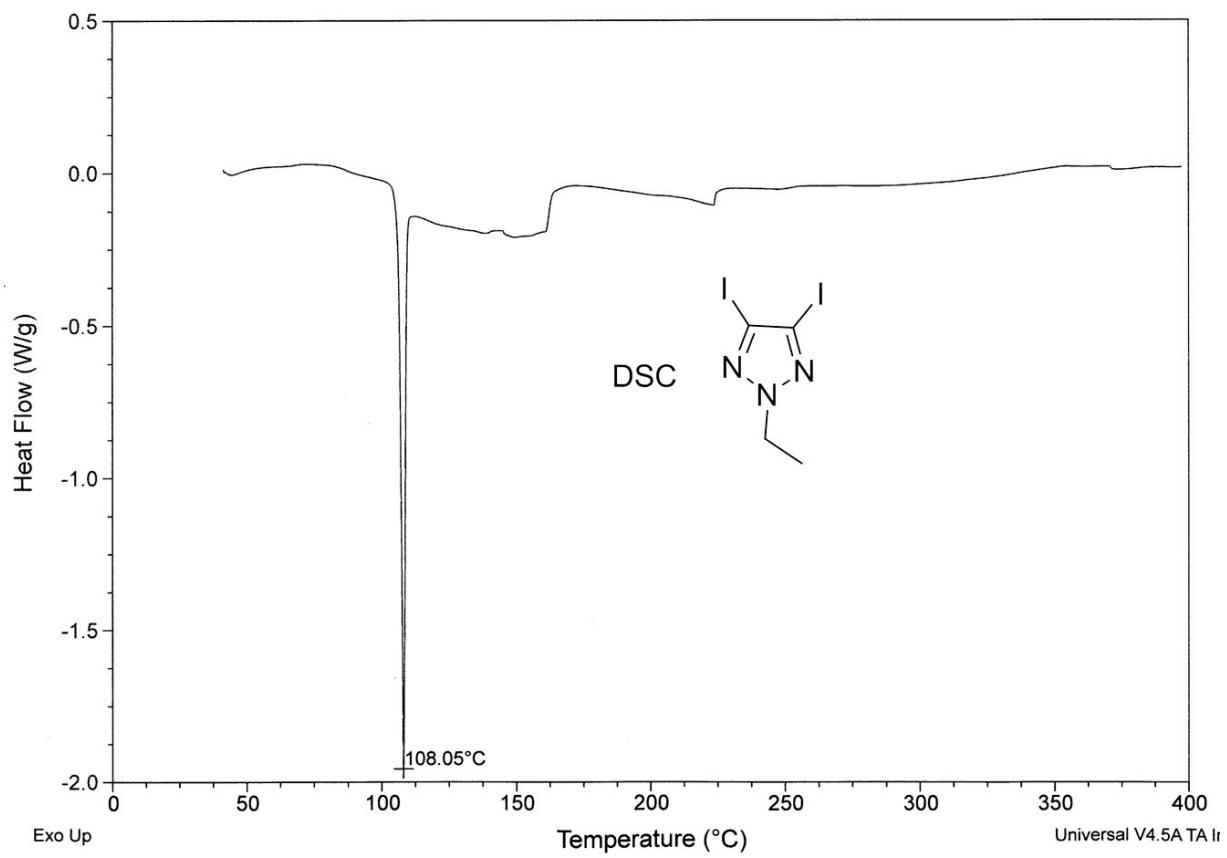
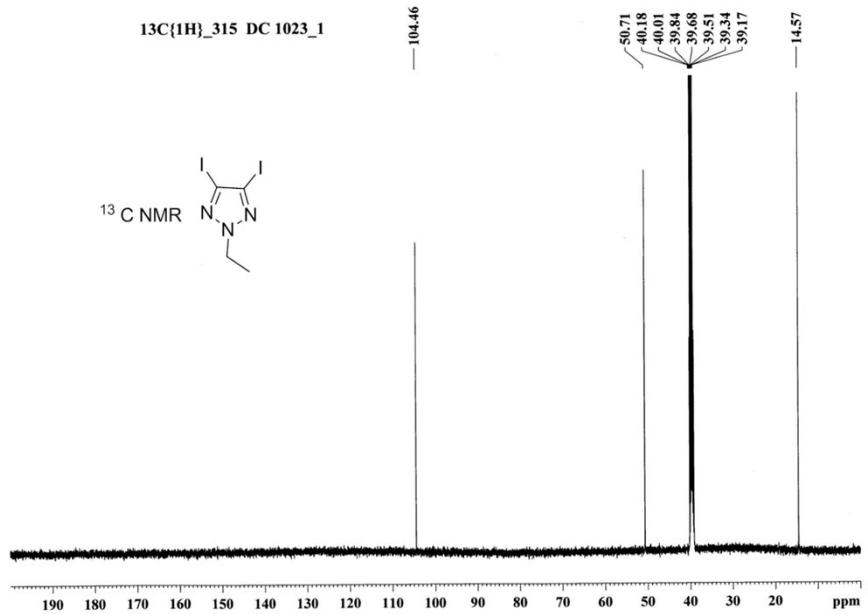


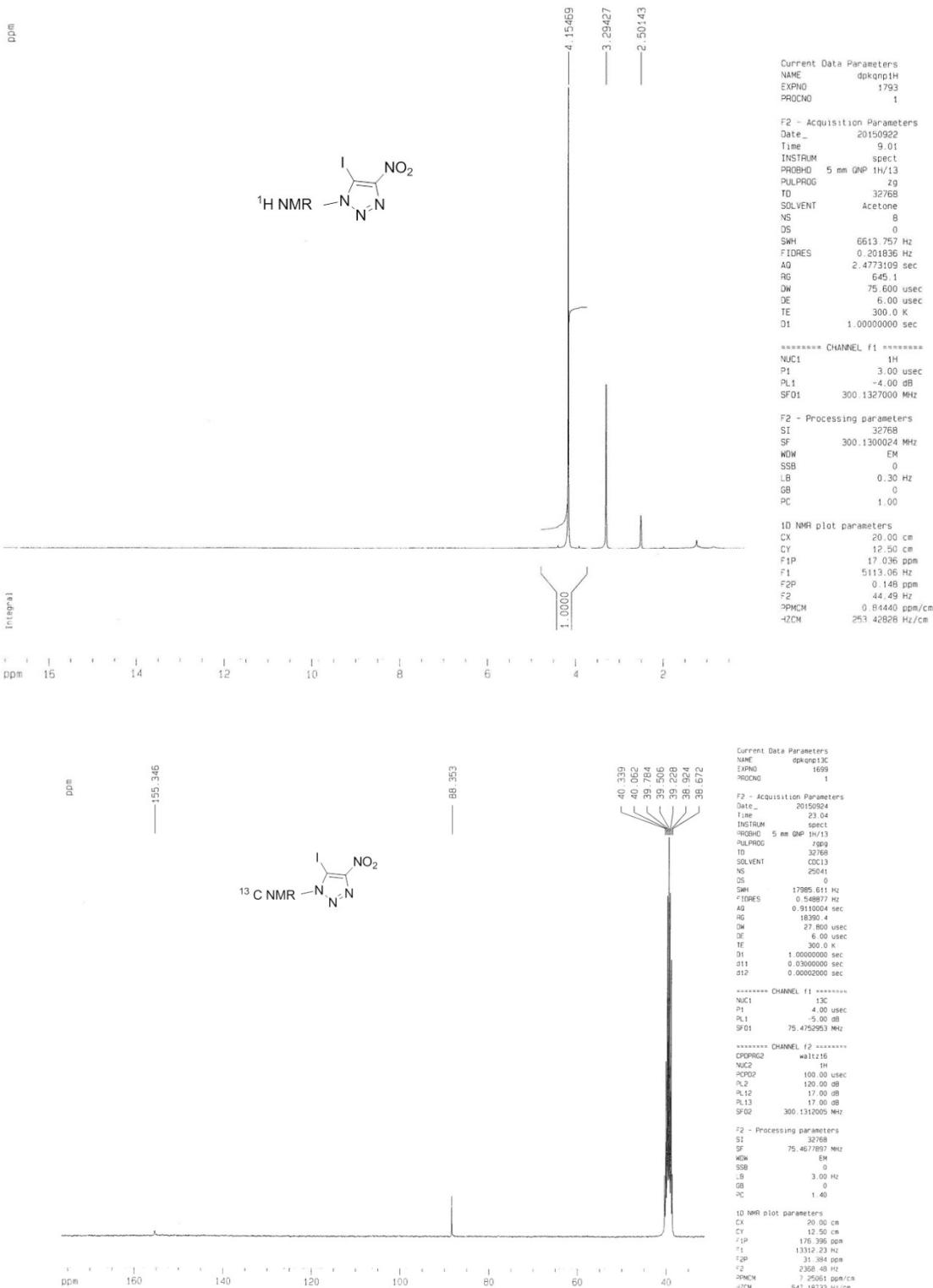
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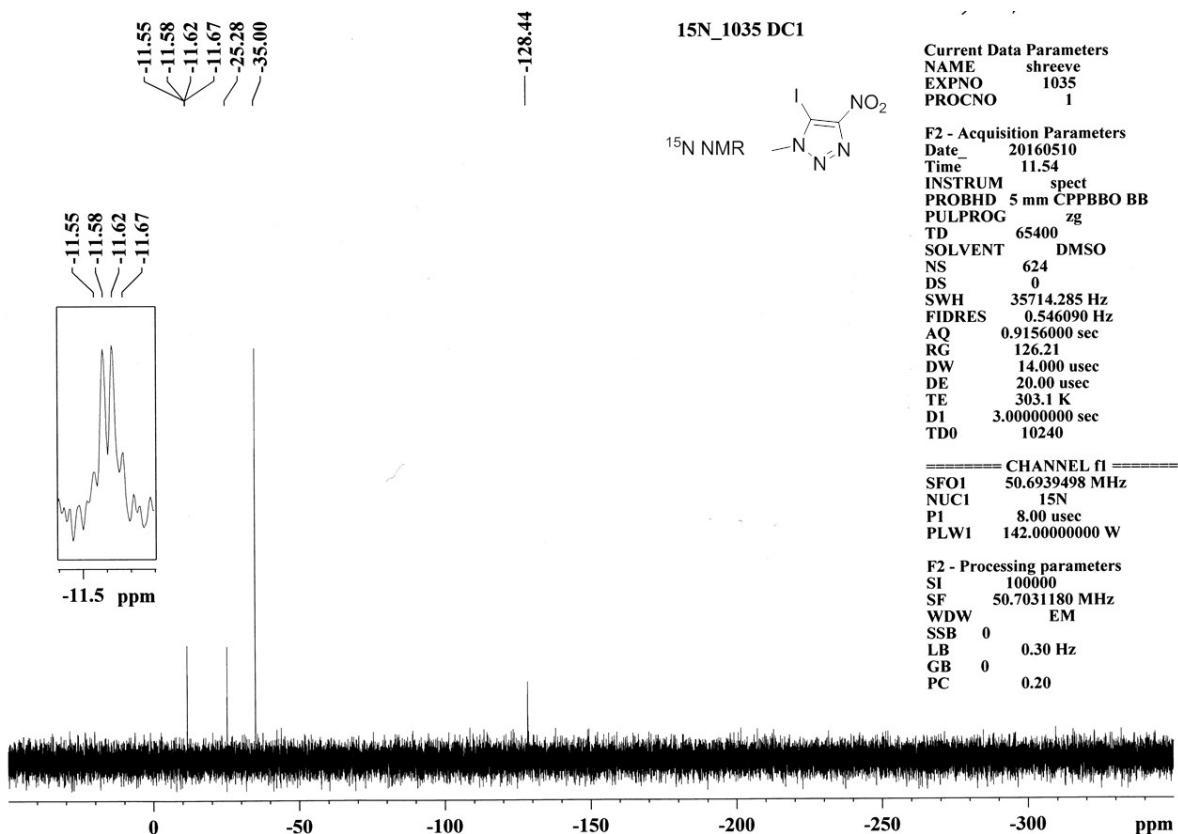
DSC

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Bio-Rad Merlin

