



Supporting Information

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An Efficient Computational Model to Predict the Synthetic Utility of Heterocyclic Arynes**

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Supporting Information – Table of Contents

Materials and Methods	S2
Additional Published Hetaryne Examples.....	S3
Selected Energy Calculations using DFT (M06/6-311+G**)	S4
Sample Calculation Setup	S5
Energies and Key Angles of Calculated Structures	S8
A. Benzene derived arynes	S8
B. 6,5-bicyclic hetarynes (aryne outside of heterocycle).....	S8
C. 6,6-bicyclic hetarynes (aryne outside of heterocycle)	S13
D. Other hetarynes (aryne within heterocycle)	S15
E. Selected Energies using MP2/6-311+G**	S22
Coordinates of Computed Structures.....	S28
A. Structures using B3LYP/6-31G*	S28
B. Structures using MP2/6-311+G**	S81
References	S91

Materials and Methods.

All computations were carried out using Spartan '06 for Mac¹ unless otherwise noted. All structures were minimized using Molecular Mechanics, and then further minimized using Density Functional Theory B3LYP/6–31G*.

Literature references for various computational methods are as follows:

B3LYP: a) A. D. Becke, *J. Chem. Phys.* **1993**, 98, 5648; b) C. Lee, W. Yang, R. G. Parr, *Phys. Rev. B* **1988**, 37, 785; c) S. H. Vosko, L. Wilk, M. Nusair, *Can. J. Phys.* **1980**, 58, 1200; d) P. J. Stephens, F. J. Devlin, C. F. Chabalowski, M. J. Frisch, *J. Phys. Chem.* **1994**, 98, 11623.

MP2: a) C. Møller, M. S. Plesset, *Phys. Rev.* **1934**, 46, 618; b) M. Head-Gordon, J. A. Pople, and M. J. Frisch, *Chem. Phys. Lett.* **1988**, 153, 503.

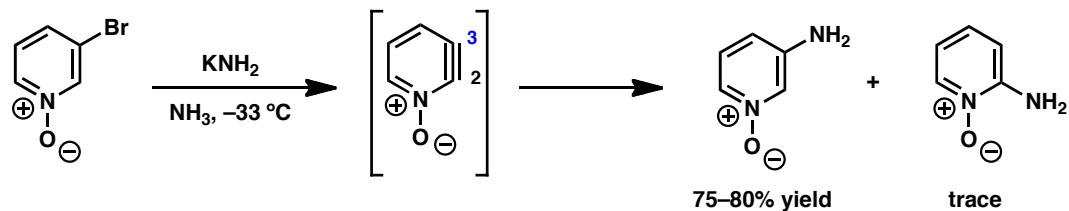
M06-2X: Y. Zhao, D. G. Truhlar, *Theor. Chem. Acc.* **2008**, 120, 215.

SF-CCSD: A. I. Krylov, *Chem. Phys. Lett.* **2001**, 350, 522.

Note: Although the use of hybrid-GGA density functionals such as B3LYP is commonplace throughout organic chemistry, reaction energies are often predicted with errors of the order of 6–8 kcal/mol.² Grimme and others have shown that the incorporation of dispersion corrections can partially mitigate these errors and are essential for greater quantitative accuracy with DFT calculations. In the current work, while we would expect the absolute reaction energies to alter upon the inclusion of a dispersion correction, the relative aryne stabilities would likely remain unchanged leaving our conclusions unaltered.

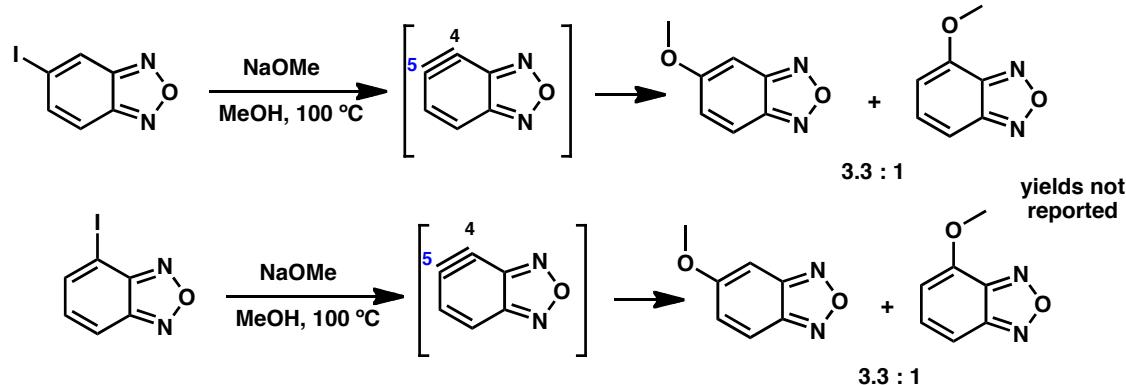
Additional Published Hetaryne Examples

2,3-pyridyne-N-oxide



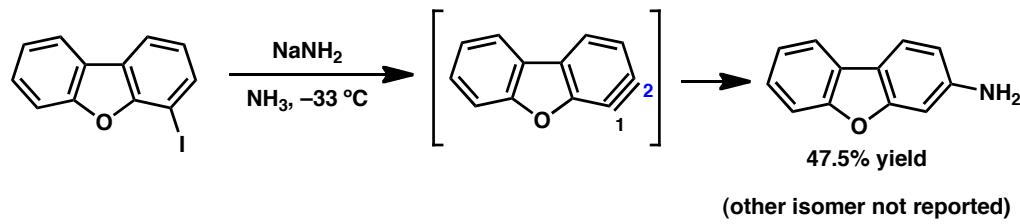
Martens, R. J.; den Hertog, H. J. *Rec. Trav. Chim. Pays-Bas* **1967**, *86*, 655–669.

4,5-benzofurazanyne



Di Nunno, L.; Florio, S.; Todesco, P. E. *J. Chem. Soc., Perkin Trans. II* **1974**, 1171–1175.

1,2-dibenzofuranyne



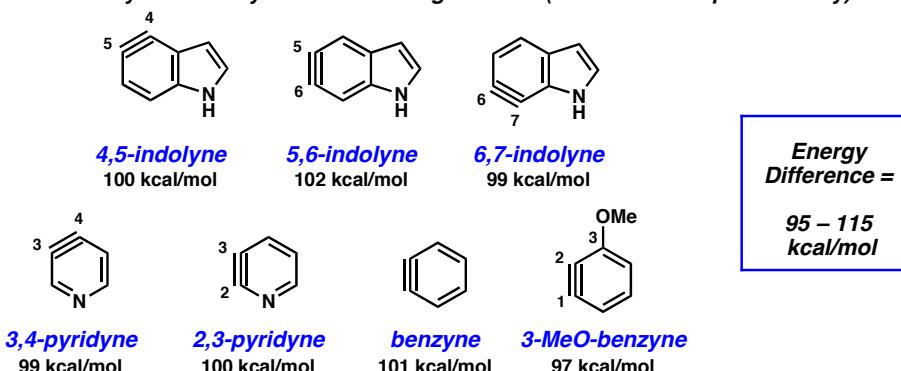
Gilman, H.; Avakian, S. *J. Am. Chem. Soc.* **1945**, *67*, 349–351.

Select Energy Calculations using DFT (M06/6-311+G***)

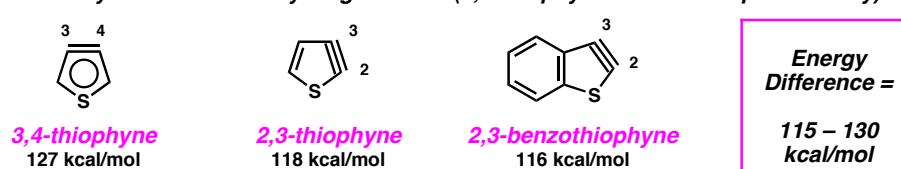
The energies of hetarynes from Figure 2 were computed in Spartan '10³ using Density Functional Theory (M06/6-311+G***) from the previously minimized structures used throughout the manuscript. While there are small differences (typically ~ 2 kcal/mol) in the absolute energies, in all cases the hetarynes still fall into the same categories as outlined in Figure 2 in the accompanying manuscript.

*computed using DFT M06/6-311+G****

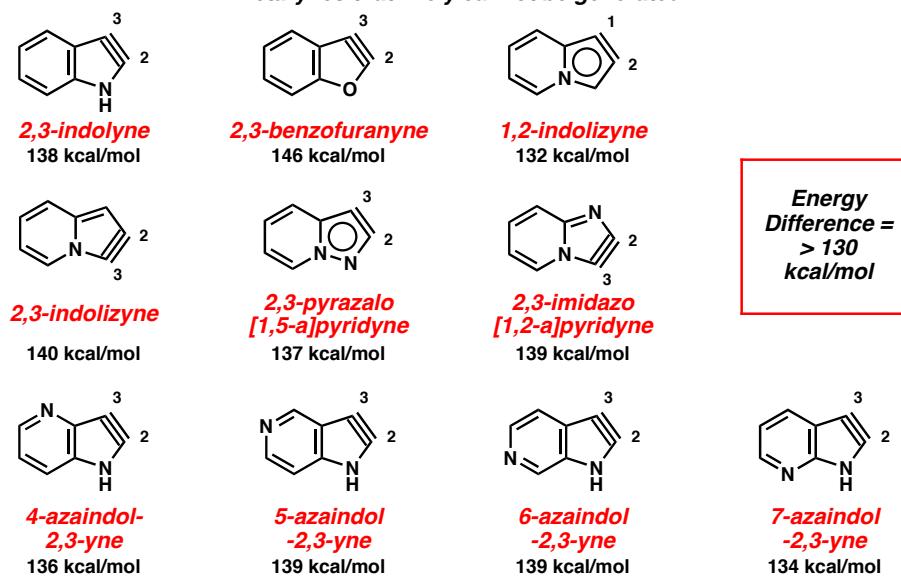
Hetarynes and arynes that can be generated (all validated experimentally)



Hetarynes that can likely be generated (3,4-thiophyne validated experimentally)



Hetarynes that likely cannot be generated



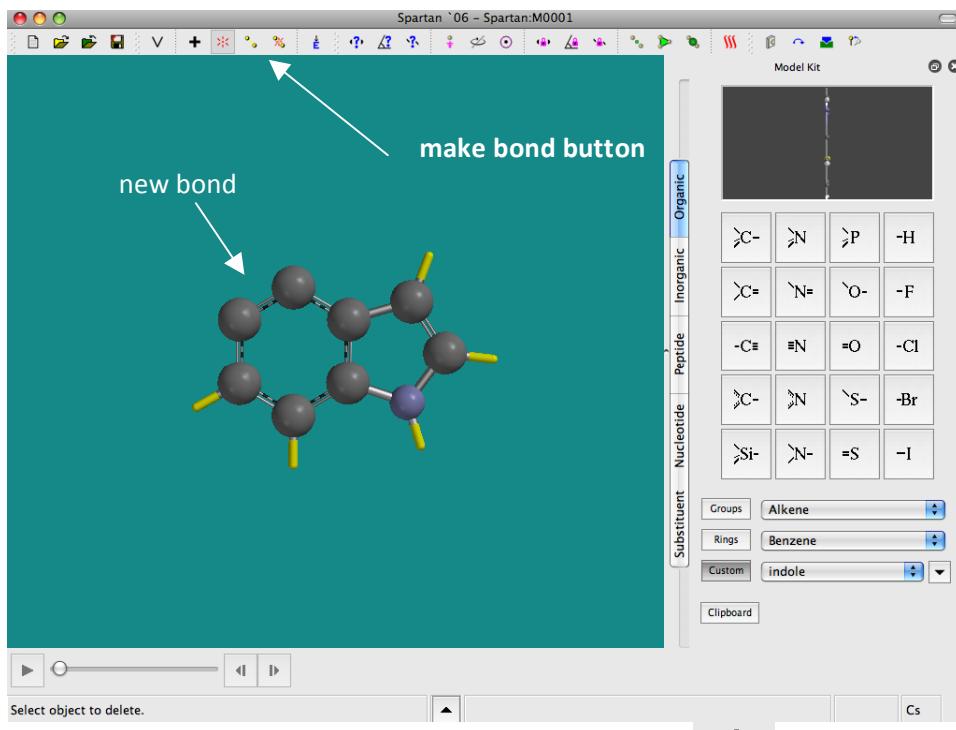
$$\begin{array}{ccc} \text{energy difference or} \\ \text{energy of dehydrogenation} \\ \text{in kcal/mol} & = & (\text{energy of aryne + energy of H}_2) \\ & & - (\text{energy of parent arene}) \end{array}$$

Sample Calculation Setup.

Note to user: The following section provides a simple guide for setting up hetaryne calculations. However, users should have some basic understanding of computational chemistry in order to conduct and interpret such computations.

Predicting the Preferred Site of Attack on an Aryne

- 1) Construct the parent arene in Spartan. Connect the two adjacent carbons using the “make bond” button by clicking the adjacent yellow connection points.



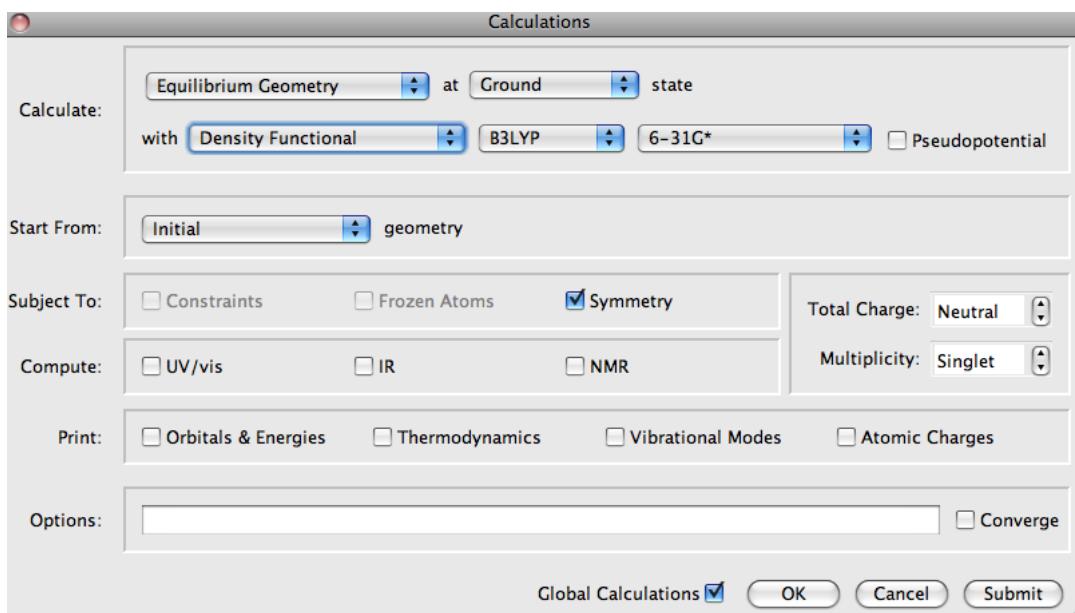
- 2) Perform an energy minimization by clicking the ‘minimize’ button.



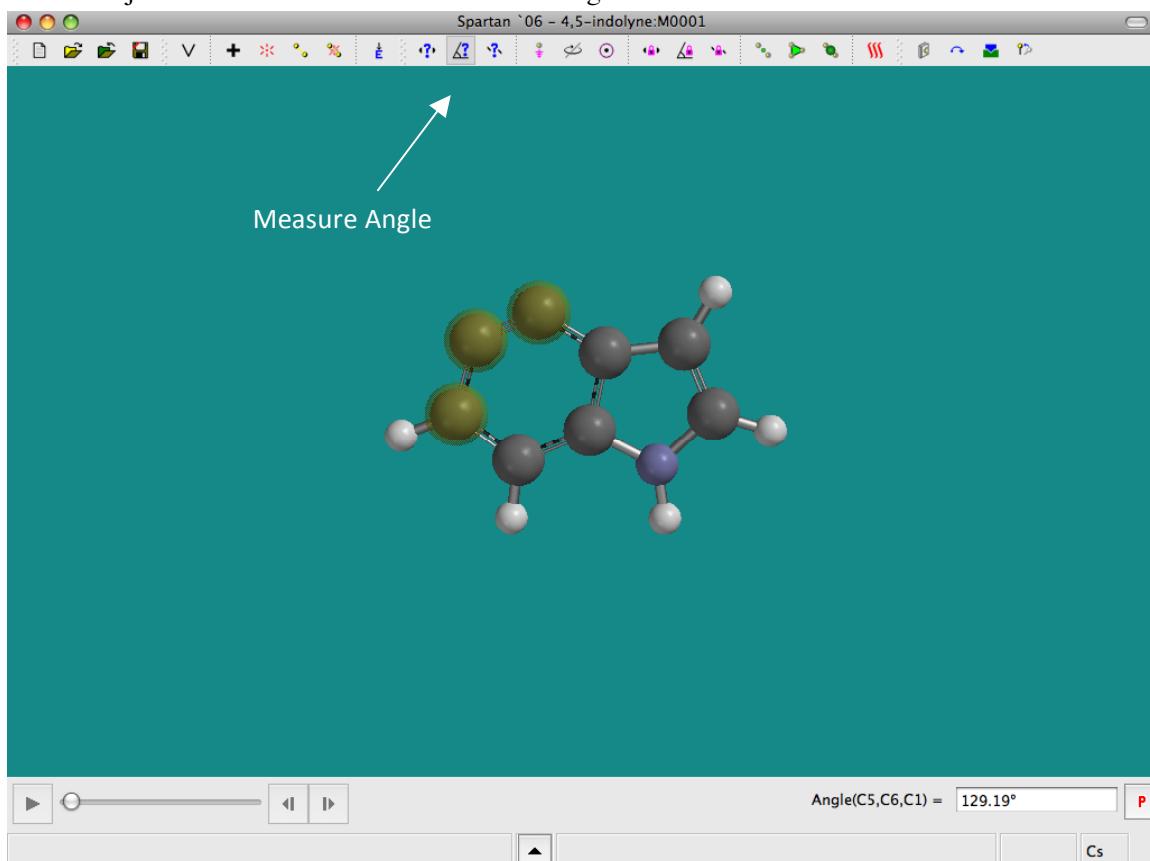
‘minimize’ button.

- 3) Start the calculation by choosing “Setup” followed by “Calculations”

- 4) Calculate “Equilibrium Geometry” at “Ground” state with “Density Functional/B3LYP/6-31G*”. Everything else should already be setup properly.



- 5) Click “**submit**” and create a file name for the molecule.
 6) After the computation has finished, measure the angles, using the “**Measure Angle**” button.
 Click 3 adjacent atoms in order to measure the angle of the central atom.



- 7) Compare the two termini of the aryne to find the larger angle.

Calculating the Dehydrogenation Energy of the Aryne

- 1) To calculate the dehydrogenation energy, you must first model the aryne in question, the parent arene (i.e. indole to correspond to 4,5-indolyne) and hydrogen (H_2).
- 2) After these calculations are all complete, obtain the energy of each species by choosing “Output” under the “Display” menu
- 3) Scroll through the output until you see a section with the heading “Optimization”. This contains a series of “steps” as well as energies for each step. The energy that corresponds to the bottom “step” is the desired energy.

Step	Energy	Max Grad.	Max Dist.
1	-362.4604488	0.048122	0.150002
2	-362.4761016	0.013197	0.066270
3	-362.4779844	0.003258	0.012095
4	-362.4781026	0.002017	0.011261
5	-362.4781525	0.001247	0.003240
6	-362.4781629	0.001006	0.003240
7	-362.4781720	0.000796	0.003240
8	-362.4781793	0.000579	0.001080
9	-362.4781812	0.000511	0.001080
10	-362.4781829	0.000441	0.006928
11	-362.4781882	0.000006	0.000021

Program Wall Time: 0:12:50.0 desired value
Reason for exit: Successful completion

- 4) After obtaining the value from each calculation (aryne, arene, and H_2), they must be converted from their given units (Hartrees) to kcal/mol. The conversion for this is 1 Hartree = 627.51 kcal/mol.
- 5) The dehydrogenation energy is calculated as (Energy of aryne + Energy of H_2) – (Energy of arene). This should give a positive value. Higher values correspond to less stable arynes.

Energies and Key Angles of Calculated Structures.

The dehydrogenation energy (kcal/mol) was obtained by calculating (energy of aryne + energy of H₂) – (energy of parent arene). The energy differences relative to that of *o*-benzyne are also shown as the Standardized Energy. Positive standardized energies correspond to arynes that are higher in energy compared to *o*-benzyne. Standardized energies that are negative are predicted to be lower in energy than *o*-benzyne.

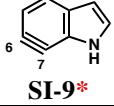
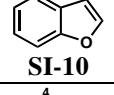
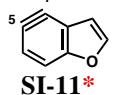
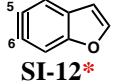
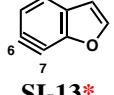
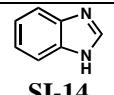
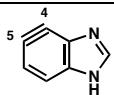
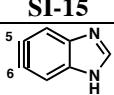
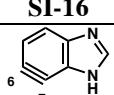
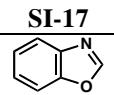
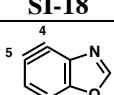
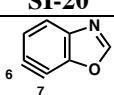
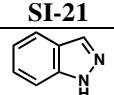
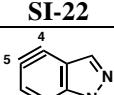
Structures marked with a (*) are included in the accompanying communication.

A. Benzene derived arynes

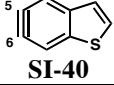
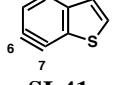
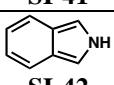
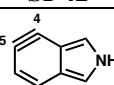
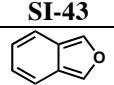
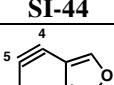
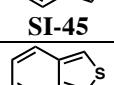
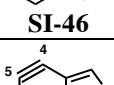
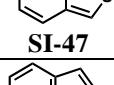
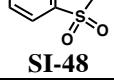
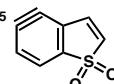
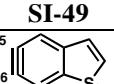
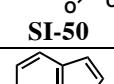
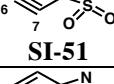
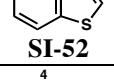
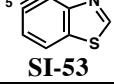
Structure	Energy (hartrees)	Energy (kcal/mol)	Dehydrogenation Energy (kcal/mol)	Standardized Energy (kcal/mol)	Larger Terminus	Smaller Terminus	Angle Difference
 SI-1	-1.17548	-737.6					
 SI-2	-232.2507	-145739.6					
 SI-3*	-230.90996	-144898.3	103.7	0.0	127.1 (N/A)	127.1 (N/A)	0.0
 SI-4	-346.7714	-217602.5					
 SI-5*	-345.4388	-216766.3	98.6	-5.1	134.90 (C1)	119.2 (C2)	15.7

B. 6,5-bicyclic hetarynes (ayne outside of heterocycle)

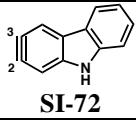
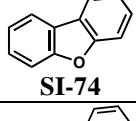
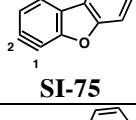
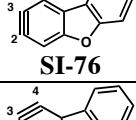
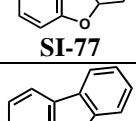
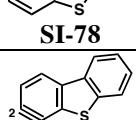
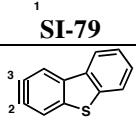
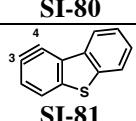
Structure	Energy (hartrees)	Energy (kcal/mol)	Dehydrogenation Energy (kcal/mol)	Standardized Energy (kcal/mol)	Larger Terminus	Smaller Terminus	Angle Difference
 SI-6	-363.8167	-228298.6					
 SI-7*	-362.4782	-227458.7	102.3	-1.4	129.2 (C5)	125.1 (C4)	4.1
 SI-8*	-362.4754	-227456.9	104.1	0.4	130.0 (C5)	126.8 (C6)	3.2

 SI-9*	-362.4797	-227459.6	101.4	-2.3	134.7 (C6)	117.4 (C7)	17.3
 SI-10	-383.6734	-240758.9					
 SI-11*	-382.3329	-239917.7	103.6	-0.1	130.6 (C5)	123.3 (C4)	7.3
 SI-12*	-382.3317	-239917.0	104.3	0.6	129.7 (C5)	127.4 (C6)	2.3
 SI-13*	-382.3341	-239918.5	102.8	-0.9	135.5 (C6)	115.8 (C7)	19.7
 SI-14	-379.8661	-238369.8					
 SI-15	-378.5264	-237529.1	103.0	-0.6	131.4 (C5)	122.1 (C4)	9.3
 SI-16	-378.525	-237528.2	103.9	0.2	130.4 (C5)	127.1 (C6)	3.3
 SI-17	-378.5278	-237530.0	102.2	-1.5	135.5 (C6)	116.2 (C7)	19.3
 SI-18	-399.7232	-250830.3					
 SI-19	-398.3816	-249988.4	104.2	0.5	132.5 (C5)	120.4 (C4)	12.1
 SI-20	-398.3817	-249988.5	104.2	0.5	129.9 (C5)	127.8 (C6)	2.10
 SI-21	-398.3827	-249989.1	103.6	-0.1	136.4 (C6)	114.4 (C7)	22.0
 SI-22	-379.8436	-238355.7					
 SI-23	-378.5034	-237514.7	103.4	-0.3	129.8 (C5)	123.7 (C4)	6.1

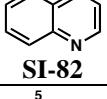
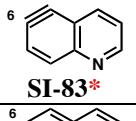
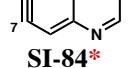
	-378.5009	-237513.1	104.9	1.2	129.5 (C5)	128.0 (C6)	1.5
	-378.5057	-237516.1	101.9	-1.8	135.2 (C6)	116.8 (C7)	18.4
	-399.6831	-250805.1					
	-398.3405	-249962.6	104.9	1.2	131.3 (C5)	121.4 (C4)	9.9
	-398.3398	-249962.2	105.3	1.6	128.9 (C6)	128.7 (C5)	0.20
	-398.3425	-249963.9	103.6	-0.1	135.8 (C6)	115.7 (C7)	20.1
	-395.8672	-248410.6					
	-394.5256	-247568.8	104.2	0.5	131.8 (C5)	120.9 (C4)	10.9
	-394.5243	-247567.9	105.1	1.4	129.9 (C5)	128.3 (C6)	1.6
	-394.5272	-247569.8	103.2	-0.5	135.7 (C6)	115.9 (C7)	19.8
	-415.7125	-260863.8					
	-414.3691	-260020.8	105.4	1.7	133.9 (C5)	117.6 (C4)	16.3
	-414.3689	-260020.6	105.5	1.8	129.9 (C6)	128.4 (C5)	1.5
	-414.3701	-260021.4	104.7	1.0	135.9 (C6)	116.3 (C7)	19.6
	-706.6536	-443432.2					
	-705.3153	-442592.4	102.2	-1.5	129.0 (C5)	125.6 (C4)	3.4

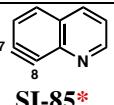
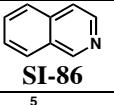
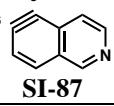
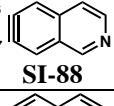
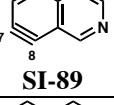
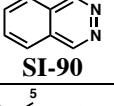
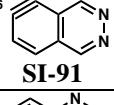
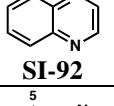
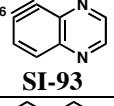
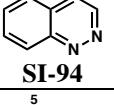
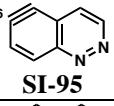
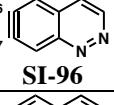
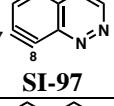
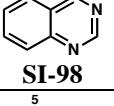
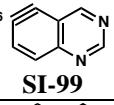
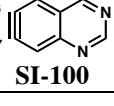
	-705.3118	-442590.2	104.4	0.7	130.0 (C5)	126.8 (C6)	3.2
	-705.3146	-442592.0	102.6	-1.1	131.7 (C6)	121.4 (C7)	10.3
	-363.8019	-228289.3					
	-362.4668	-227451.5	100.2	-3.5	129.9 (C5)	124.3 (C4)	5.6
	-383.6504	-240744.5					
	-382.3143	-239906.0	100.8	-2.9	130.7 (C5)	123.3 (C4)	7.4
	-706.6357	-443421.0					
	-705.3003	-442583.0	100.4	-3.3	130.1 (C5)	124.6 (C4)	5.5
	-857.0075	-537780.8					
	-855.6661	-536939.0	104.1	0.4	129.9 (C5)	124.3 (C4)	5.6
	-855.665	-536938.3	104.8	1.1	128.0 (C6)	127.6 (C5)	0.4
	-855.6624	-536936.7	106.4	2.7	131.1 (C6)	121.3 (C7)	9.8
	-722.6996	-453501.2					
	-721.3600	-452660.6	103.0	-0.7	131.1 (C5)	123.1 (C4)	8.0
	-721.3576	-452659.1	104.5	0.8	128.7 (C5)	128.0 (C6)	0.7
	-721.36	-452660.6	103.0	-0.7	132.6 (C6)	120.5 (C7)	12.1

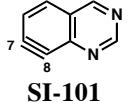
	-722.6759	-453486.4					
	-721.3389	-452647.4	101.4	-2.3	130.4 (C5)	123.8 (C4)	6.6
	-721.3336	-452644.0	104.7	1.0	130.4 (C6)	128.6 (C5)	1.8
	-721.3395	-452647.7	101.0	-2.7	131.9 (C6)	122.7 (C7)	9.2
	-722.6891	-453494.6					
	-721.3491	-452653.8	103.2	-0.5	130.1 (C5)	123.6 (C4)	6.5
	-721.346	-452651.8	105.2	1.5	128.3 (N/A)	128.3 (N/A)	0.0
	-721.3492	-452653.8	103.2	-0.5	132.1 (C6)	121.1 (C7)	11.0
	-399.6653	-250794.0					
	-398.3266	-249953.9	102.4	-1.3	131.2 (C5)	121.9 (C4)	9.3
	-398.3221	-249951.1	105.2	1.6	130.9 (C6)	128.8 (C5)	2.1
	-398.3274	-249954.4	101.9	-1.8	132.8 (C6)	120.7 (C7)	12.1
	-415.678	-260842.1					
	-414.3375	-260000.9	103.6	-0.1	133.9 (C5)	119.5 (C4)	14.4
	-517.4707	-324718.0					
	-516.1333	-323878.8	101.6	-2.1	134.5 (C2)	118.0 (C1)	16.5

	-516.1291	-323876.2	104.2	0.5	128.9 (C3)	127.4 (C2)	1.5
	-516.131	-323877.4	103.0	-0.6	129.5 (C3)	124.4 (C4)	5.1
	-537.3291	-337179.4					
	-535.9896	-336338.8	102.9	-0.8	135.3 (C2)	116.4 (C1)	18.9
	-535.9873	-336337.4	104.4	0.7	129.1 (C3)	127.7 (C2)	1.40
	-535.9881	-336337.9	103.9	0.2	130.6 (C3)	123.1 (C4)	7.5
	-860.3069	-539851.2					
	-858.9674	-539010.6	102.9	-0.8	131.6 (C2)	121.5 (C1)	10.1
	-858.9648	-539009.0	104.6	0.9	129.1 (C3)	127.7 (C2)	1.4
	-858.9687	-539011.4	102.1	-1.6	130.6	123.1	7.5

C. 6,6-bicyclic hetarynes (aryne outside of heterocycle)

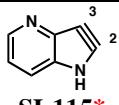
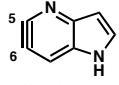
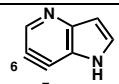
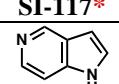
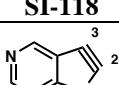
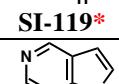
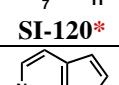
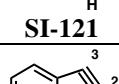
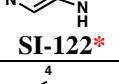
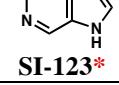
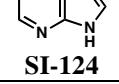
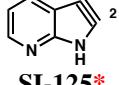
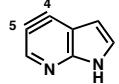
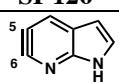
Structure	Energy (hartrees)	Energy (kcal/mol)	Dehydrogenation Energy (kcal/mol)	Standardized Energy (kcal/mol)	Larger Terminus	Smaller Terminus	Angle Difference
	-401.9308	-252215.6					
	-400.5933	-251376.3	101.7	-2.0	128.4 (C6)	126.4 (C5)	2.0
	-400.5898	-251374.1	103.9	0.2	128.7 (C7)	127.5 (C6)	1.2

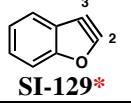
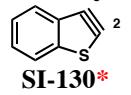
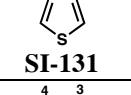
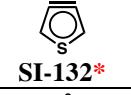
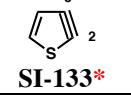
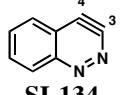
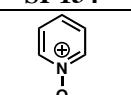
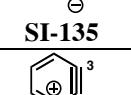
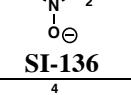
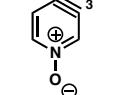
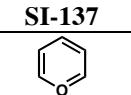
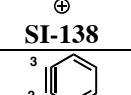
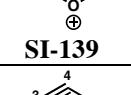
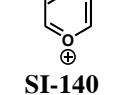
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	SI-86	-401.9291	-252214.5					
	SI-87	-400.5917	-251375.3	101.6	-2.1	128.6 (C6)	126.4 (C5)	2.2
	SI-88	-400.5885	-251373.3	103.6	-0.1	128.1 (N/A)	128.1 (N/A)	0.00
	SI-89	-400.5906	-251374.6	102.3	-1.4	128.5 (C7)	125.8 (C8)	2.7
	SI-90	-417.9343	-262258.0					
	SI-91	-416.5944	-261417.2	103.2	-0.5	129.2 (C6)	124.9 (C5)	4.3
	SI-92	-417.9650	-262277.2					
	SI-93	-416.6269	-261437.5	102.0	-1.6	129.2 (C6)	125.7 (C5)	3.5
	SI-94	-417.9321	-262256.6					
	SI-95	-416.5941	-261417.0	102.0	-1.7	128.3 (C6)	126.0 (C5)	2.3
	SI-96	-416.591	-261415.0	103.9	0.2	129.0 (C7)	127.8 (C6)	1.2
	SI-97	-416.5922	-261415.8	103.2	-0.5	128.7 (C7)	125.9 (C8)	2.8
	SI-98	-417.9701	-262280.4					
	SI-99	-416.6308	-261440.0	102.8	-0.9	129.2 (C6)	124.9 (C5)	4.3
	SI-100	-416.6295	-261439.2	103.6	-0.1	128.9 (C7)	127.8 (C6)	1.1

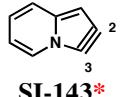
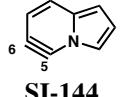
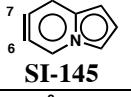
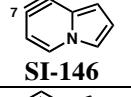
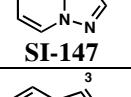
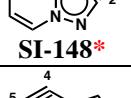
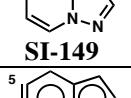
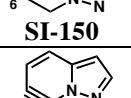
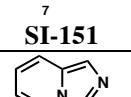
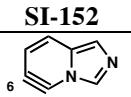
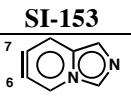
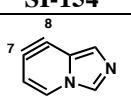
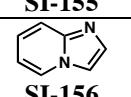
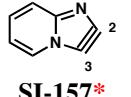
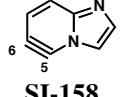
	SI-101	-416.6319	-261440.7	102.1	-1.6	129.2 (C7)	125.8 (C8)	3.4
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D. Other hetarynes (aryne within heterocycle)

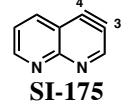
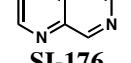
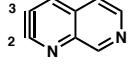
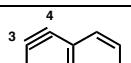
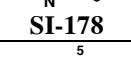
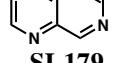
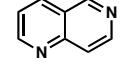
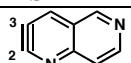
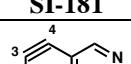
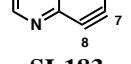
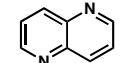
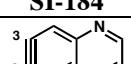
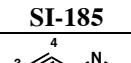
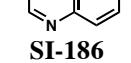
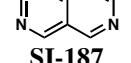
Structure	Energy (hartrees)	Energy (kcal/mol)	Dehydrogenation Energy (kcal/mol)	Standardized Energy (kcal/mol)	Larger Terminus	Smaller Terminus	Angle Difference	
	SI-102	-248.285	-155801.3					
	SI-103*	-246.9493	-154963.2	100.5	-3.2	125.3 (C4)	124.7 (C3)	0.6
	SI-104*	-246.9413	-154958.1	105.6	1.9	151.2 (C2)	104.0 (C3)	47.2
	SI-105	-264.2876	-165843.1					
	SI-106*	-262.946	-165001.2	104.2	0.5	148.7 (C3)	107.0 (C4)	41.7
	SI-107	-264.3237	-165865.8					
	SI-108*	-262.9847	-165025.5	102.6	-1.1	147.2 (C4)	103.4 (C5)	43.8
	SI-109	-280.3221	-175904.9					
	SI-110*	-278.9624	-175051.7	115.6	11.9	147.7 (C5)	96.6 (C6)	51.1
	SI-111*	-400.5880	-251373.0	103.9	0.2	150.8 (C3)	105.4 (C4)	45.4
	SI-112*	-400.5905	-251374.5	103.4	0.7	153.0 (C2)	104.0 (C3)	49.0
	SI-113*	-400.5968	-251378.5	99.5	-4.2	126.6 (C4)	124.1 (C3)	2.5
	SI-114	-379.8538	-238362.1					

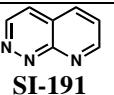
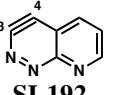
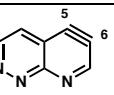
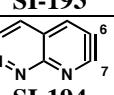
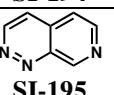
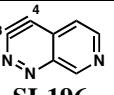
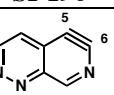
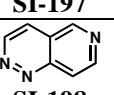
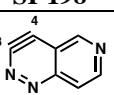
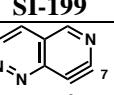
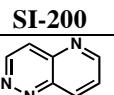
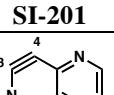
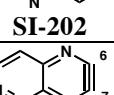
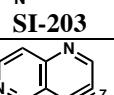
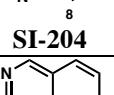
	-378.4577	-237486.0	138.4	34.7	114.1 (C3)	110.5 (C2)	3.6
	-378.5116	-237519.8	104.6	0.9	151.8 (C5)	106.7 (C6)	45.1
	-378.5207	-237525.5	98.9	-4.8	130.6 (C6)	117.9 (C7)	12.7
	-379.8545	-238362.5					
	-378.4537	-237483.5	141.4	37.7	113.7 (C3)	110.5 (C2)	3.2
	-378.5208	-237525.6	99.3	-4.4	152.9 (C6)	100.0 (C7)	52.9
	-379.8535	-238361.9					
	-378.4529	-237483.0	141.3	37.6	114.0 (C3)	110.7 (C2)	3.3
	-378.5125	-237520.4	103.9	0.2	151.8 (C5)	103.5 (C4)	48.3
	-379.8608	-238366.5					
	-378.4683	-237492.6	136.2	32.5	114.9 (C3)	110.0 (C2)	4.9
	-378.513	-237520.7	101.3	-2.4	125.5 (C5)	125.3 (C4)	0.2
	-378.5239	-237527.5	108.1	4.4	149.3 (C6)	108.8 (C5)	40.5
	-362.4177	-227420.7	140.3	36.6	114.5 (C3)	110.1 (C2)	4.4

 SI-129*	-382.26	-239872.0	149.3	45.6	126.9 (C2)	100.3 (C3)	26.6
 SI-130*	-705.2874	-442574.9	119.7	16.0	132.6 (C3)	102.3 (C2)	30.3
 SI-131	-553.0026	-347014.7					
 SI-132*	-551.621	-346147.7	129.3	25.6	118.2 (N/A)	118.2 (N/A)	0.0
 SI-133*	-551.6334	-346155.5	121.6	17.9	135.6 (C3)	97.0 (C2)	38.6
 SI-134	-416.5896	-261414.1	104.8	1.1	147.5 (C3)	108.3 (C4)	39.2
 SI-135	-323.4472	-202966.4					
 SI-136	-322.0926	-202116.3	112.4	8.7	132.1 (C3)	124.6 (C2)	7.5
 SI-137	-322.1004	-202121.2	107.5	3.8	127.1 (C4)	125.4 (C3)	1.7
 SI-138	-268.4764	-168471.6					
 SI-139	-267.0862	-167599.3	134.7	31.0	132.2 (C2)	123.1 (C3)	9.1
 SI-140	-267.1193	-167620.0	114.0	10.3	132.7 (C4)	119.5 (C3)	13.2
 SI-141	-363.7988	-228287.4					
 SI-142*	-362.4096	-227415.6	134.1	30.4	114.2 (C2)	110.1 (C1)	4.1

	-362.3962	-227407.2	142.5	38.8	118.5 (C2)	106.1 (C3)	12.4
	-362.4455	-227438.2	111.6	7.9	130.1 (C6)	124.4 (C5)	5.7
	-362.4507	-227441.4	108.3	4.6	134.2 (C7)	120.9 (C6)	13.3
	-362.4601	-227447.3	102.4	-1.3	130.1 (C7)	124.1 (C8)	6.0
	-379.8340	-238349.6					
	-378.4337	-237470.9	141.1	37.4	133.2 (C2)	94.6 (C3)	38.6
	-378.4942	-237508.9	103.1	-0.6	130.9 (C5)	122.9 (C4)	8.0
	-378.4857	-237503.6	108.4	4.7	134.4 (C5)	121.1 (C6)	13.3
	-378.4766	-237497.9	114.2	10.5	130.2 (C6)	123.4 (C7)	6.8
	-379.8431	-238355.3					
	-378.4888	-237505.5	112.2	8.5	131.1 (C6)	122.9 (C5)	8.2
	-378.4937	-237508.6	109.1	5.4	134.5 (C7)	121.3 (C6)	13.2
	-378.5035	-237514.7	103.0	-0.7	130.7 (C7)	123.1 (C8)	7.6
	-379.8496	-238359.4					
	-378.4444	-237477.6	144.2	40.5	136.4	89.9	46.5
	-378.495	-237509.4	112.4	8.7	129.7 (C6)	124.1 (C5)	5.6

	-378.502	-237513.8	108.0	4.3	134.7 (C7)	120.9 (C6)	13.8
	-378.5095	-237518.5	103.3	-0.4	131.4 (C7)	122.7 (C8)	8.7
	-395.8547	-248402.8					
	-394.5125	-247560.5	104.6	0.9	131.0 (C5)	122.1 (C4)	8.9
	-394.5044	-247555.5	109.7	6.0	134.1 (C5)	121.7 (C6)	12.4
	-394.4956	-247549.9	115.2	11.5	131.2 (C6)	121.9 (C7)	9.3
	-395.8872	-248423.2					
	-394.5285	-247570.6	115.0	11.3	130.4 (C6)	122.3 (C5)	8.1
	-394.5392	-247577.3	108.3	4.6	134.8 (C7)	121.2 (C6)	13.6
	-394.5457	-247581.4	104.2	0.5	132.1 (C7)	121.4 (C8)	10.7
	-395.8681	-248411.2					
	-394.5115	-247559.9	113.7	10.0	130.4 (C6)	122.7 (C5)	7.7
	-394.5187	-247564.4	109.1	5.4	135.4 (C7)	120.9 (C6)	14.5
	-394.5265	-247569.3	104.2	0.5	132.1 (C7)	121.5 (C8)	10.6
	-417.966	-262277.8					
	-416.6274	-261437.9	102.4	-1.3	153.5 (C2)	103.2 (C3)	50.3

 SI-175	-416.6305	-261439.8	100.4	-3.3	125.6 (C4)	124.3 (C3)	1.3
 SI-176	-417.9652	-262277.3					
 SI-177	-416.6239	-261435.7	104.1	0.4	152.5 (C2)	105.2 (C3)	47.3
 SI-178	-416.6306	-261439.9	99.8	-3.9	125.5 (C4)	125.1 (C3)	0.3
 SI-179	-416.6236	-261435.5	104.2	0.5	151.5 (C6)	104.4 (C5)	47.1
 SI-180	-417.9661	-262277.9					
 SI-181	-416.6250	-261436.4	103.9	0.2	152.6 (C2)	104.9 (C3)	47.7
 SI-182	-416.6303	-261439.7	100.6	-3.1	125.1 (C4)	125.0 (C3)	0.1
 SI-183	-416.6229	-261435.0	105.2	1.5	149.8 (C7)	107.5 (C8)	42.3
 SI-184	-417.9685	-262279.4					
 SI-185	-416.6255	-261436.7	105.1	1.4	152.9 (C2)	105.1 (C3)	47.8
 SI-186	-416.6338	-261441.9	99.9	-3.8	125.6 (C3)	125.1 (C4)	0.5
 SI-187	-417.964	-262276.6					
 SI-188	-416.6224	-261434.7	104.2	0.5	151.0 (C3)	105.0 (C4)	46.0
 SI-189	-417.9629	-262275.9					
 SI-190	-416.6208	-261433.7	104.6	0.9	151.2 (C3)	103.8 (C4)	47.4

 SI-191	-433.9645	-272317.1					
 SI-192	-432.6200	-271473.4	106.1	2.4	148.7 (C3)	106.4 (C4)	42.3
 SI-193	-432.6286	-271478.8	100.7	-3.0	125.4 (C5)	124.3 (C6)	1.0
 SI-194	-432.6245	-271476.2	103.2	-0.5	153.3 (C7)	104.3 (C6)	49.0
 SI-195	-433.9648	-272317.3					
 SI-196	-432.6216	-271474.4	105.2	1.5	147.4 (C3)	108.1 (C4)	39.3
 SI-197	-432.6225	-271474.9	104.7	1.0	151.5 (C6)	104.2 (C5)	47.1
 SI-198	-433.9645	-272317.1					
 SI-199	-432.6206	-271473.8	105.7	2.0	148.4 (C3)	106.3 (C4)	42.1
 SI-200	-432.6192	-271472.9	106.6	2.9	149.9 (C7)	106.2 (C8)	43.7
 SI-201	-433.9687	-272319.7					
 SI-202	-432.6252	-271476.6	105.4	1.7	146.2 (C3)	109.9 (C4)	36.3
 SI-203	-432.6248	-271476.4	105.7	2.0	152.5 (C6)	106.1 (C7)	46.4
 SI-204	-432.6314	-271480.5	101.5	-2.2	125.6 (C7)	124.6 (C8)	1.0
 SI-205	-434.0045	-272342.2					

	-432.6671	-271502.9	101.6	-2.1	124.9 (C6)	124.5 (C5)	0.4
	-432.6647	-271501.4	103.1	-0.6	153.0 (C7)	104.3 (C6)	48.7
	-434.0037	-272341.7					
	-432.6592	-271498.0	106.1	2.4	151.9 (C6)	102.6 (C5)	49.3
	-434.0001	-272339.4					
	-432.6304	-271479.9	121.9	18.2	154.1 (C2)	91.8 (C3)	62.3
	-432.6637	-271500.8	101.0	-2.7	125.5 (C6)	124.4 (C5)	1.1
	-432.6583	-271497.4	104.4	0.7	153.5 (C7)	104.4 (C6)	49.1
	-433.9981	-272338.1					
	-432.6244	-271476.1	124.4	20.7	131.9 (C3)	131.5 (C2)	0.4
	-432.6546	-271495.1	105.4	1.7	150.4 (C6)	106.4 (C5)	44.0

E. Selected Energies using MP2/6-311+G**

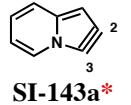
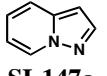
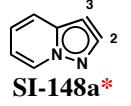
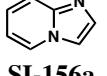
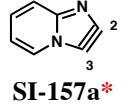
Structure	Energy (hartrees)	Energy (kcal/mol)	Dehydrogenation Energy (kcal/mol)	Standardized Energy (kcal/mol)	Larger Terminus	Smaller Terminus	Angle Difference
H–H SI-1a	-1.1602722	-728.1					
	-231.5838779	-145321.2					

	SI-3a*	-230.2732476	-144498.8	94.4	0.0	126.8 (N/A)	126.8 (N/A)	0.0
	SI-4a	-345.8429028	-217019.9					
	SI-5a*	-344.5380523	-216201.1	90.7	-3.6	130.6 (C1)	122.8 (C2)	7.8
	SI-6a	-362.8267529	-227677.4					
	SI-7a*	-361.5173825	-226855.8	93.6	-0.8	127.4 (C5)	126.1 (C4)	1.3
	SI-8a*	-361.5120066	-226852.4	96.9	2.6	128.3 (C6)	128.0 (C5)	0.3
	SI-9a*	-361.5181322	-226856.2	93.1	-1.3	129.2 (C6)	122.3 (C7)	6.9
	SI-10a	-382.6636787	-240125.3					
	SI-11a*	-381.3515379	-239301.9	95.3	0.9	127.8 (C5)	125.2 (C4)	2.6
	SI-12a*	-381.3488424	-239300.2	97.0	2.6	128.3 (N/A)	128.3 (N/A)	0.0
	SI-13a*	-381.3520756	-239302.2	95.0	0.6	129.9 (C6)	120.8 (C7)	9.1
	SI-30a	-394.8552468	-247775.6					
	SI-31a*	-393.5423481	-246951.8	95.8	1.4	128.1 (C5)	124.0 (C4)	4.1

	SI-32a*	-393.5378788	-246949.0	98.6	4.2	129.5 (C6)	128.3 (C5)	1.2
	SI-33a*	-393.5433232	-246952.4	95.2	0.8	129.7 (C6)	121.1 (C7)	8.6
	SI-38a	-705.2721885	-442565.4					
	SI-82a	-400.8327162	-251526.5					
	SI-83a*	-399.5239462	-250705.3	93.2	-1.2	127.3 (C5)	126.8 (C6)	0.5
	SI-84a*	-399.5173046	-250701.1	97.4	3.0	128.2 (C7)	127.2 (C6)	1.0
	SI-85a*	-399.5236281	-250705.1	93.4	-1.0	128.7 (C7)	125.5 (C8)	3.2
	SI-86a	-400.830496	-251525.1					
	SI-102a	-247.6089605	-155377.1					
	SI-103a*	-246.3010004	-154556.3	92.7	-1.7	126.2 (C4)	123.0 (C3)	3.2
	SI-104a*	-246.2879319	-154548.1	100.9	6.5	145.9 (C2)	111.6 (C3)	34.3
	SI-105a	-263.6000902	-165411.7					
	SI-106a*	-262.2797103	-164583.1	100.5	6.1	140.0 (C3)	116.6 (C4)	23.4
	SI-107a	-263.63605	-165434.3					

 SI-108a*	-262.3192632	-164608.0	98.2	3.9	141.9 (C4)	110.5 (C5)	31.4
 SI-109a	-279.6239417	-175466.8					
 SI-110a*	-278.2851891	-174626.7	112.0	17.6	132.8 (C5)	123.9 (C6)	8.9
 SI-111a*	-399.5109697	-250697.1	99.9	5.6	141.5 (C3)	117.0 (C4)	24.5
 SI-112a*	-399.5123645	-250698.0	100.5	6.1	151.0 (C2)	107.7 (C3)	43.3
 SI-113a*	-399.5278657	-250707.7	90.7	-3.6	126.8 (C4)	123.3 (C3)	3.5
 SI-114a	-378.8526836	-237733.8					
 SI-115a*	-377.4848399	-236875.5	130.3	35.9	118.0 (C2)	105.2 (C3)	12.8
 SI-116a*	-377.5302974	-236904.0	101.7	7.4	148.5 (C5)	112.2 (C6)	36.3
 SI-117a*	-377.5473884	-236914.8	91.0	-3.3	125.1 (C6)	122.8 (C7)	2.3
 SI-118a	-378.8527666	-237733.9					
 SI-119a*	-377.4832556	-236874.5	131.3	36.9	116.6 (C2)	106.0 (C3)	10.6
 SI-120a*	-377.5387573	-236909.3	96.5	2.1	151.7 (C6)	103.0 (C7)	48.7
 SI-121	-378.8521074	-237733.5					

	-377.4820657	-236873.8	131.6	37.3	117.5 (C2)	105.4 (C3)	12.1
	-377.5313632	-236904.7	100.7	6.3	144.3 (C5)	113.4 (C4)	30.9
	-378.8594773	-237738.1					
	-377.4963563	-236882.7	127.3	32.9	116.9 (C2)	106.5 (C3)	10.4
	-377.5512763	-236917.2	92.8	-1.5	126.2 (C4)	123.9 (C5)	2.3
	-377.5343047	-236906.6	103.5	9.1	142.4 (C6)	117.2 (C5)	25.2
	-361.4587617	-226819.0	130.3	36.0	116.9 (C2)	106.1 (C3)	10.8
	-381.2835416	-239259.2	138.0	43.6	118.8 (C2)	106.4 (C3)	12.4
	-703.9307758	-441723.6	113.7	19.3	118.1 (C2)	114.5 (C3)	3.6
	-552.0441704	-346413.2					
	-550.6874736	-345561.9	123.3	28.9	116.7 (N/A)	116.7 (N/A)	0.0
	-550.6969653	-345567.9	117.3	23.0	115.9 (C2)	114.7 (C3)	1.2
	-362.8059171	-227664.3					
	-361.4470206	-226811.6	124.6	30.3	113.1 (C2)	110.0 (C1)	3.1

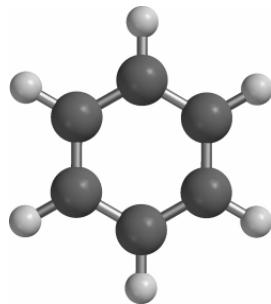
 SI-143a*	-361.4325605	-226802.5	133.7	39.4	114.2 (C3)	109.2 (C2)	5.0
 SI-147a	-378.8302728	-237719.8					
 SI-148a*	-377.4548064	-236856.7	135.0	40.7	119.4 (C2)	106.4 (C3)	13.0
 SI-156a	-378.8460432	-237729.7					
 SI-157a*	-377.4509762	-236854.3	147.3	53.0	113.0 (C3)	112.2 (C2)	0.8

Coordinates of Computed Structures

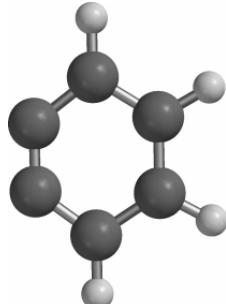
A. Calculations with B3LYP/6-31G*

SI-1

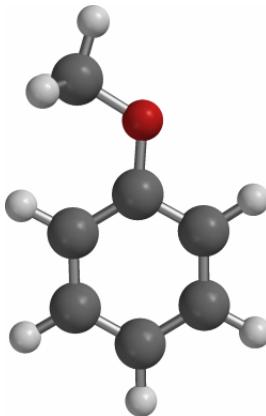
H	0.000000	0.000000	0.371578
H	0.000000	0.000000	-0.371578

SI-2

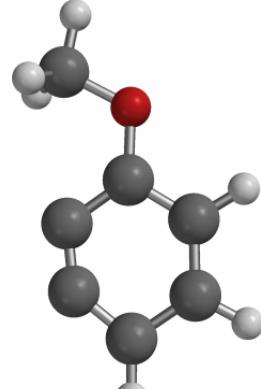
H	2.484269	0.000000	-0.000000
C	1.397048	0.000000	-0.000000
C	-1.397048	-0.000000	0.000000
C	0.698524	1.209879	0.000000
C	0.698524	-1.209879	-0.000000
C	-0.698524	-1.209879	-0.000000
C	-0.698524	1.209879	0.000000
H	1.242135	2.151440	0.000000
H	1.242135	-2.151440	-0.000000
H	-1.242135	-2.151440	-0.000000
H	-1.242135	2.151440	0.000000
H	-2.484269	-0.000000	0.000000

SI-3*

C	0.625554	0.000000	1.237609
C	-0.703547	-0.000000	-1.058538
C	-0.625554	-0.000000	1.237609
C	1.461350	0.000000	0.133663
C	0.703547	0.000000	-1.058538
C	-1.461350	-0.000000	0.133663
H	2.546616	0.000000	0.134515
H	1.229529	0.000000	-2.010917
H	-2.546616	-0.000000	0.134515
H	-1.229529	-0.000000	-2.010917

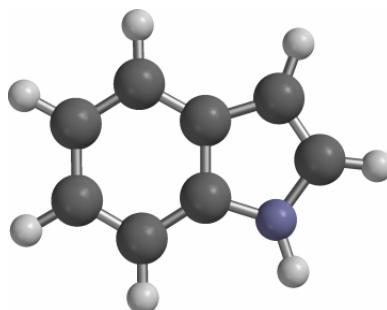
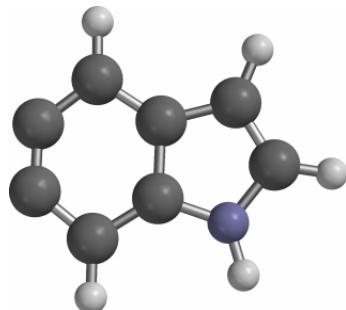
SI-4

H	-0.135193	-2.330225	0.000000
C	-0.492177	-1.304778	0.000000
C	-1.343988	1.346699	0.000000
C	0.453709	-0.268524	0.000000
C	-1.849965	-1.007648	0.000000
C	-2.286811	0.321871	0.000000
C	0.025817	1.063988	0.000000
H	-2.573123	-1.819173	0.000000
H	-3.348440	0.551637	0.000000
H	0.739070	1.880156	0.000000
H	-1.667645	2.384512	0.000000
O	1.762023	-0.664345	0.000000
C	2.765670	0.336671	0.000000
H	2.705220	0.971054	-0.894707
H	3.719247	-0.194937	0.000000
H	2.705220	0.971054	0.894707

SI-5*

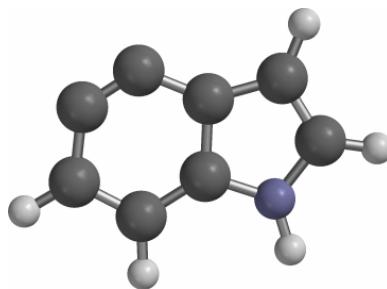
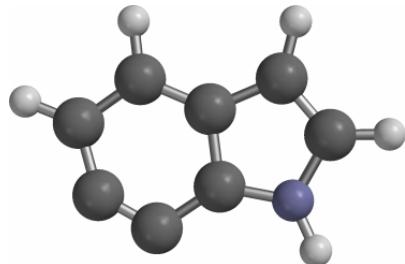
H	-0.279144	-2.243871	0.000000
C	-0.560704	-1.194627	0.000000
C	-1.220427	1.310456	0.000000
C	0.473728	-0.226055	0.000000
C	-1.912589	-0.830830	0.000000
C	-2.343404	0.520072	0.000000
C	0.014839	1.093266	0.000000
H	-2.667498	-1.614583	0.000000
H	-3.383608	0.820240	0.000000
O	1.759860	-0.642419	0.000000
C	2.744737	0.386160	0.000000
H	2.651629	1.016573	-0.892610
H	3.711716	-0.119566	0.000000

H	2.651629	1.016573
		0.892610

SI-6**SI-8***

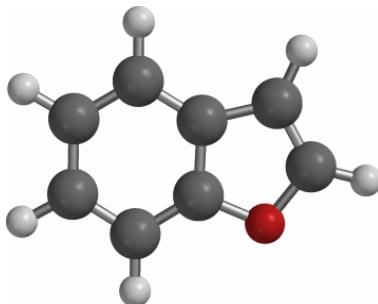
H	-1.016054	-2.513274	0.000000
C	-0.985787	-1.426483	0.000000
C	-0.934480	1.420966	0.000000
C	0.247658	-0.751135	0.000000
C	-2.161696	-0.687735	0.000000
C	-2.136209	0.722456	0.000000
C	0.247797	0.672737	0.000000
H	-3.119466	-1.201144	0.000000
H	-3.072698	1.273637	0.000000
H	-0.916247	2.508033	0.000000
C	1.622707	-1.168675	0.000000
H	1.993539	-2.184640	0.000000
C	2.388865	-0.033424	0.000000
H	3.463985	0.082184	0.000000
N	1.567169	1.079268	0.000000
H	1.883789	2.036046	0.000000

H	-1.137958	-2.575893	0.000000
C	-1.099803	-1.491332	0.000000
C	-1.059455	1.475166	-0.000000
C	0.1211887	-0.760476	0.000000
C	-2.156485	-0.611040	-0.000000
C	-2.161208	0.644711	-0.000000
C	0.116248	0.682985	-0.000000
H	-1.046542	2.561466	-0.000000
C	1.501365	-1.165227	0.000000
H	1.876684	-2.179267	0.000000
C	2.262569	-0.027547	0.000000
H	3.337696	0.090979	0.000000
N	1.437982	1.082782	0.000000
H	1.753550	2.039798	-0.000000

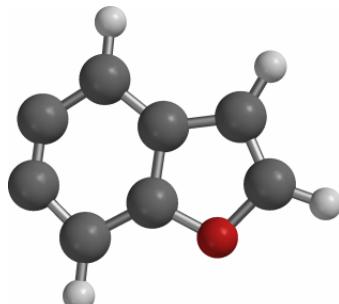
SI-7***SI-9***

C	-0.999055	-1.465025	0.000000
C	-1.119874	1.247945	0.000000
C	0.260615	-0.864366	0.000000
C	-2.084933	-0.852996	0.000000
C	-2.322232	0.523128	0.000000
C	0.119028	0.572630	0.000000
H	-3.288928	1.014761	0.000000
H	-1.149899	2.335151	0.000000
C	1.656839	-1.161591	0.000000
H	2.117196	-2.139101	0.000000
C	2.315393	0.043591	0.000000
H	3.376305	0.251677	0.000000
N	1.403907	1.080172	0.000000
H	1.645458	2.058821	0.000000

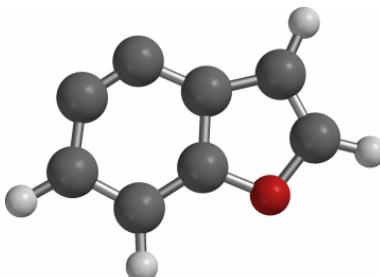
H	-1.257405	-2.341034	0.000000
C	-1.166698	-1.257261	0.000000
C	-0.934782	1.505611	0.000000
C	0.116526	-0.660828	0.000000
C	-2.340641	-0.483505	0.000000
C	-2.008758	0.864042	0.000000
C	0.250204	0.773065	0.000000
H	-3.332302	-0.919301	0.000000
C	1.456396	-1.181163	0.000000
H	1.749941	-2.222165	0.000000
C	2.314449	-0.112211	0.000000
H	3.395239	-0.089322	0.000000
N	1.591861	1.068688	0.000000
H	1.981978	1.998035	0.000000

SI-10

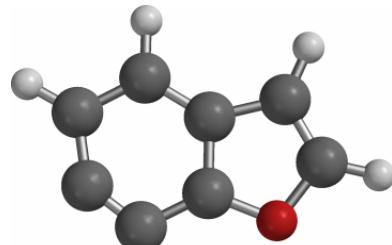
H	-0.876074	-2.499235	0.000000
C	-0.911963	-1.414616	0.000000
C	-0.964783	1.440415	0.000000
C	0.249954	-0.651998	0.000000
C	-2.115688	-0.711741	0.000000
C	-2.140674	0.695892	0.000000
C	0.260367	0.755890	0.000000
H	-3.052220	-1.262374	0.000000
H	-3.098727	1.208605	0.000000
H	-0.995211	2.526662	0.000000
C	1.655982	1.127045	0.000000
H	2.074639	2.124094	0.000000
C	2.352486	-0.035617	0.000000
H	3.410051	-0.254982	0.000000
O	1.531489	-1.137232	0.000000

SI-12*

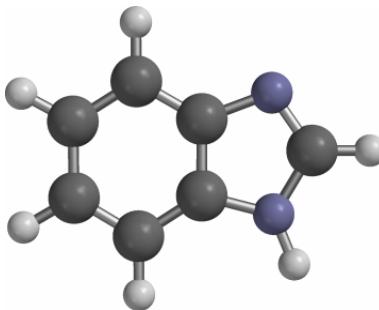
H	-1.144718	-2.576332	0.000000
C	-1.095012	-1.492582	0.000000
C	-1.024714	1.481654	0.000000
C	0.122798	-0.765101	0.000000
C	-2.147046	-0.599424	0.000000
C	-2.132468	0.654411	0.000000
C	0.121751	0.663860	0.000000
H	-0.984070	2.565320	0.000000
C	1.518551	-1.135662	0.000000
H	1.932272	-2.134492	0.000000
C	2.222251	0.022271	0.000000
H	3.281470	0.234667	0.000000
O	1.409150	1.128841	0.000000

SI-13***SI-11***

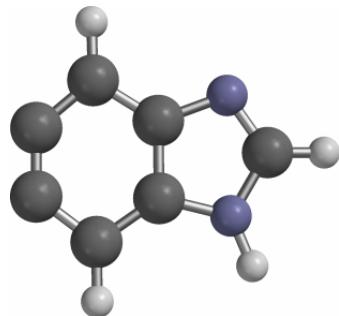
C	-0.984044	-1.484390	0.000000
C	-1.101388	1.244675	0.000000
C	0.265578	-0.865982	0.000000
C	-2.060443	-0.852761	0.000000
C	-2.306077	0.518698	0.000000
C	0.119361	0.551482	0.000000
H	-3.274453	1.006061	0.000000
H	-1.109049	2.330292	0.000000
C	1.679376	-1.120323	0.000000
H	2.182058	-2.076646	0.000000
C	2.268934	0.103456	0.000000
H	3.303505	0.413185	0.000000
O	1.360126	1.130814	0.000000



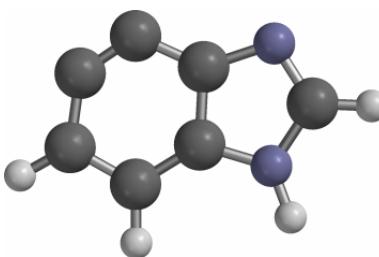
H	-1.244032	-2.349703	0.000000
C	-1.146057	-1.267136	0.000000
C	-0.897150	1.507194	0.000000
C	0.132354	-0.667956	0.000000
C	-2.314896	-0.479834	0.000000
C	-1.970403	0.859538	0.000000
C	0.261696	0.750725	0.000000
H	-3.310305	-0.906649	0.000000
C	1.491013	-1.156215	0.000000
H	1.824751	-2.184811	0.000000
C	2.289830	-0.059774	0.000000
H	3.362682	0.062330	0.000000
O	1.574915	1.114169	0.000000

SI-14

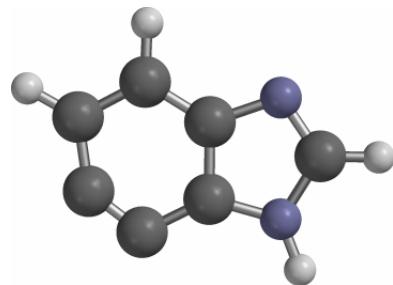
C	-0.274193	-0.720132	0.000000
C	-0.256889	0.696219	0.000000
N	-1.582746	-1.191123	0.000000
C	-2.321586	-0.112562	0.000000
H	-3.404715	-0.098727	0.000000
N	-1.593957	1.056711	0.000000
H	-1.968205	1.993733	0.000000
C	0.934003	-1.429087	0.000000
H	0.928841	-2.514731	0.000000
C	2.119952	-0.702661	0.000000
H	3.070597	-1.228630	0.000000
C	2.117529	0.707435	0.000000
H	3.064321	1.240380	0.000000
C	0.929427	1.433446	0.000000
H	0.931990	2.520063	0.000000

SI-16

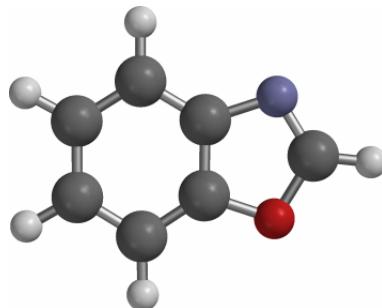
H	-1.063894	-2.574431	0.000000
C	-1.053603	-1.490434	0.000000
C	-1.040279	1.491372	0.000000
C	0.148314	-0.735075	0.000000
C	-2.113798	-0.612857	0.000000
C	-2.131938	0.641939	0.000000
C	0.132259	0.703385	0.000000
H	-1.044562	2.577203	0.000000
N	1.474061	1.046579	0.000000
H	1.854476	1.981178	0.000000
C	2.196808	-0.125230	0.000000
H	3.280265	-0.115310	0.000000
N	1.454527	-1.200682	0.000000

SI-15

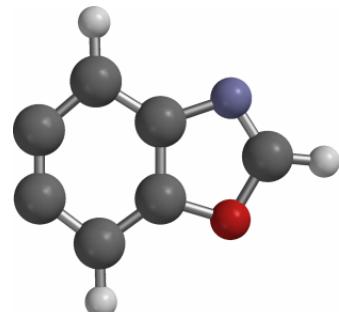
C	-0.935530	-1.485329	0.000000
C	-1.103408	1.257746	0.000000
C	0.297977	-0.833243	0.000000
C	-2.016687	-0.860778	0.000000
C	-2.290806	0.503571	0.000000
C	0.137687	0.594206	0.000000
H	-3.268660	0.971694	0.000000
H	-1.155775	2.343429	0.000000
N	1.441586	1.062248	0.000000
H	1.739439	2.026739	0.000000
C	2.267467	-0.036986	0.000000
H	3.344690	0.071969	0.000000
N	1.629130	-1.182087	0.000000

SI-17

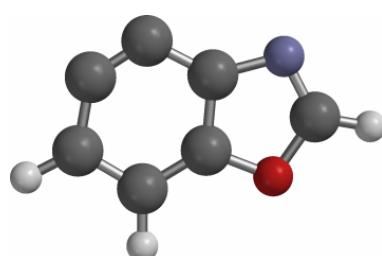
H	-1.174415	-2.358845	0.000000
C	-1.117038	-1.274398	0.000000
C	-0.921662	1.507547	0.000000
C	0.148779	-0.646299	0.000000
C	-2.297755	-0.511987	0.000000
C	-1.980782	0.839198	0.000000
C	0.262937	0.778951	0.000000
H	-3.286090	-0.955088	0.000000
N	1.620518	1.027903	0.000000
H	2.066661	1.933131	0.000000
C	2.242880	-0.201132	0.000000
H	3.322728	-0.282104	0.000000
N	1.415004	-1.215215	0.000000

SI-18

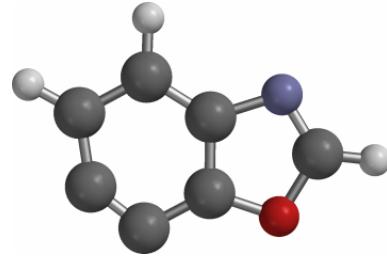
H	-0.933123	-2.522706	0.000000
C	-0.926882	-1.437477	0.000000
C	-0.896639	1.434753	0.000000
C	0.276878	-0.728234	0.000000
C	-2.106531	-0.694794	0.000000
C	-2.092383	0.712815	0.000000
C	0.262349	0.672766	0.000000
H	-3.061802	-1.211816	0.000000
H	-3.035041	1.252624	0.000000
H	-0.873782	2.519250	0.000000
O	1.570134	1.099402	0.000000
C	2.287097	-0.068213	0.000000
H	3.362444	0.044815	0.000000
N	1.607511	-1.164251	0.000000

SI-20

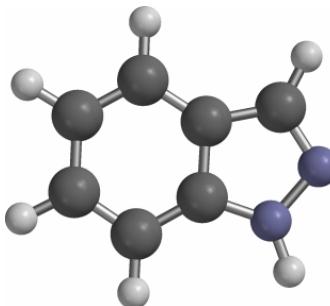
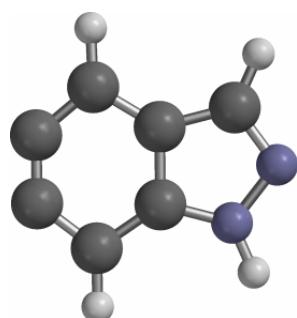
H	-1.070857	-2.579363	0.000000
C	-1.050854	-1.495750	0.000000
C	-1.015329	1.495396	0.000000
C	0.143676	-0.739305	0.000000
C	-2.109478	-0.608703	0.000000
C	-2.109099	0.644716	0.000000
C	0.130611	0.684533	0.000000
H	-0.997595	2.579320	0.000000
O	1.441851	1.094893	0.000000
C	2.155840	-0.074475	0.000000
H	3.231796	0.034897	0.000000
N	1.472395	-1.167275	0.000000

SI-19

C	-0.921033	-1.489046	0.000000
C	-1.074132	1.270420	0.000000
C	0.302150	-0.824390	0.000000
C	-1.991360	-0.842926	0.000000
C	-2.266385	0.518823	0.000000
C	0.146513	0.584426	0.000000
H	-3.243735	0.987153	0.000000
H	-1.103065	2.355277	0.000000
O	1.413011	1.117992	0.000000
C	2.231781	0.019942	0.000000
H	3.292264	0.229395	0.000000
N	1.655589	-1.136273	0.000000

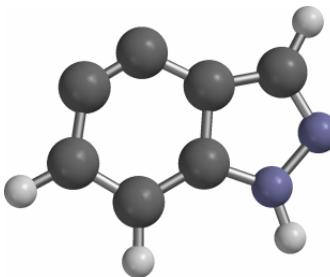
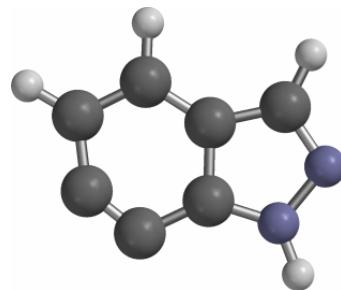
SI-21

H	-1.162187	-2.364978	0.000000
C	-1.099292	-1.281145	0.000000
C	-0.891077	1.514507	0.000000
C	0.158555	-0.647048	0.000000
C	-2.276309	-0.506224	0.000000
C	-1.947769	0.837536	0.000000
C	0.268175	0.763451	0.000000
H	-3.268173	-0.940982	0.000000
O	1.602343	1.079580	0.000000
C	2.216961	-0.145380	0.000000
H	3.297846	-0.124398	0.000000
N	1.448873	-1.183301	0.000000

SI-22**SI-24**

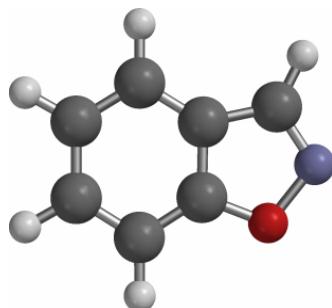
H	-0.999303	-2.519540	0.000000
C	-0.973118	-1.433152	0.000000
C	-0.926134	1.426835	0.000000
C	0.254464	-0.744808	0.000000
C	-2.145529	-0.695014	0.000000
C	-2.118729	0.720014	0.000000
C	0.259450	0.674257	0.000000
H	-3.104670	-1.204949	0.000000
H	-3.058300	1.265971	0.000000
H	-0.912681	2.513073	0.000000
C	1.638698	-1.101084	0.000000
H	2.081609	-2.088683	0.000000
N	2.418863	-0.034746	0.000000
N	1.578649	1.035284	0.000000
H	1.976291	1.961543	0.000000

H	-1.139314	-2.572536	0.000000
C	-1.098367	-1.488268	0.000000
C	-1.044230	1.488055	0.000000
C	0.123362	-0.753535	0.000000
C	-2.148628	-0.604734	0.000000
C	-2.136389	0.652820	0.000000
C	0.131592	0.684109	0.000000
H	-1.031198	2.573350	0.000000
N	1.454723	1.030731	0.000000
H	1.856791	1.955007	0.000000
N	2.291588	-0.041948	0.000000
C	1.508766	-1.105906	0.000000
H	1.949766	-2.094210	0.000000

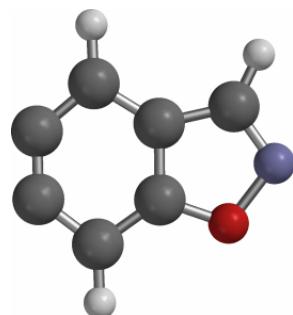
SI-23**SI-25**

C	-0.975395	-1.478955	0.000000
C	-1.116485	1.252269	0.000000
C	0.273281	-0.851378	0.000000
C	-2.057795	-0.863846	0.000000
C	-2.305383	0.512689	0.000000
C	0.130562	0.580745	0.000000
H	-3.277569	0.993179	0.000000
H	-1.158872	2.338154	0.000000
C	1.675822	-1.078329	0.000000
H	2.212297	-2.017242	0.000000
N	2.346275	0.064014	0.000000
N	1.413935	1.051045	0.000000
H	1.732450	2.007862	0.000000

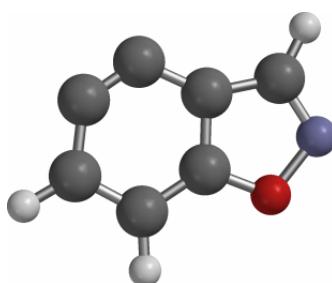
H	-1.249819	-2.345974	0.000000
C	-1.158061	-1.262722	0.000000
C	-0.917883	1.510424	0.000000
C	0.124125	-0.660191	0.000000
C	-2.324651	-0.485174	0.000000
C	-1.986991	0.865228	0.000000
C	0.266774	0.768369	0.000000
H	-3.318843	-0.914363	0.000000
N	1.605219	1.014635	0.000000
H	2.078659	1.904912	0.000000
N	2.344156	-0.128272	0.000000
C	1.473983	-1.125317	0.000000
H	1.838605	-2.144678	0.000000

SI-26

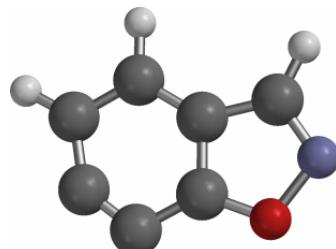
H	-0.999503	-2.531250	0.000000
C	-0.968355	-1.445592	0.000000
C	-0.897814	1.419067	0.000000
C	0.253405	-0.753862	0.000000
C	-2.136708	-0.695311	0.000000
C	-2.098263	0.716209	0.000000
C	0.265213	0.647388	0.000000
H	-3.099479	-1.197638	0.000000
H	-3.033458	1.269149	0.000000
H	-0.860841	2.502956	0.000000
O	1.542655	1.098898	0.000000
N	2.408238	-0.017411	0.000000
C	1.649712	-1.080069	0.000000
H	2.121958	-2.055212	0.000000

SI-28

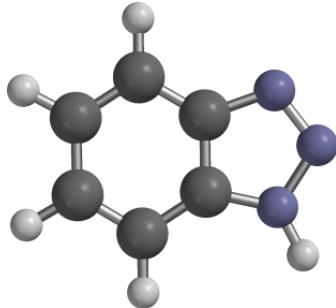
C	2.112681	-0.626035	0.000000
C	2.124611	0.629725	0.000000
C	1.063475	1.506844	0.000000
H	1.095336	2.591010	0.000000
C	-0.140308	0.753110	0.000000
C	-0.136262	-0.667031	0.000000
C	1.026059	-1.474220	0.000000
H	1.002588	-2.557618	0.000000
O	-1.411693	-1.123029	0.000000
N	-2.289029	-0.016441	0.000000
C	-1.541890	1.054319	0.000000
H	-2.027341	2.022707	0.000000

SI-27

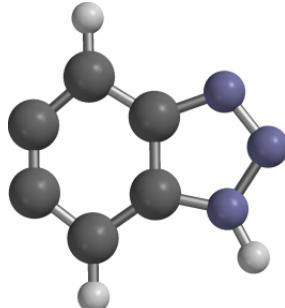
H	3.254364	-0.988418	0.000000
C	2.280028	-0.513092	0.000000
C	-0.283332	0.838389	0.000000
C	1.089275	-1.256422	0.000000
C	2.022273	0.856927	0.000000
C	0.949352	1.492414	0.000000
C	-0.143235	-0.572259	0.000000
H	1.113686	-2.341185	0.000000
O	-1.372350	-1.136815	0.000000
N	-2.342934	-0.109623	0.000000
C	-1.698993	1.028093	0.000000
H	-2.267028	1.949588	0.000000

SI-29

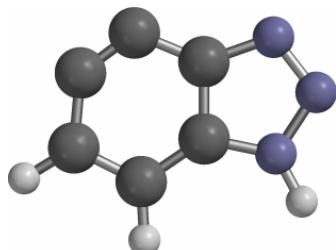
C	1.961199	-0.833422	0.000000
C	-0.145042	0.664513	0.000000
C	0.898309	-1.493065	0.000000
C	2.295087	0.513029	0.000000
C	1.122788	1.288073	0.000000
C	-0.273957	-0.747286	0.000000
H	3.287296	0.946399	0.000000
H	1.205457	2.371546	0.000000
O	-1.573944	-1.101292	0.000000
N	-2.349513	0.081139	0.000000
C	-1.513360	1.086355	0.000000
H	-1.920033	2.090693	0.000000

SI-30

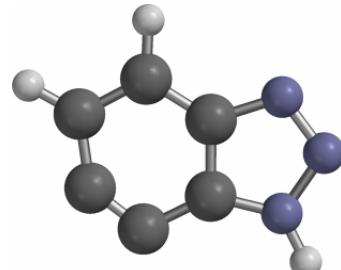
H	-0.936129	-2.514189	0.000000
C	-0.936883	-1.428955	0.000000
C	-0.911917	1.445163	0.000000
C	0.272326	-0.715167	0.000000
C	-2.111653	-0.694094	0.000000
C	-2.096085	0.722163	0.000000
C	0.273445	0.695456	0.000000
H	-3.068211	-1.208399	0.000000
H	-3.041316	1.257887	0.000000
H	-0.909411	2.530831	0.000000
N	1.580122	-1.160660	0.000000
N	2.365426	-0.135220	0.000000
N	1.604321	0.998129	0.000000
H	2.067931	1.894848	0.000000

SI-32*

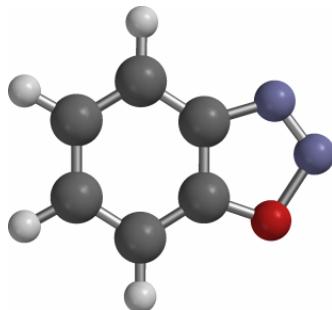
C	2.111054	-0.657535	0.000000
C	-0.140580	0.726025	0.000000
C	1.027571	-1.507014	0.000000
C	2.115777	0.600063	0.000000
C	1.065897	1.483101	0.000000
C	-0.145104	-0.705099	0.000000
H	1.026985	-2.591785	0.000000
H	1.081753	2.566853	0.000000
N	-1.479626	-0.990074	0.000000
H	-1.949564	-1.883508	0.000000
N	-2.235856	0.147012	0.000000
N	-1.444734	1.168288	0.000000

SI-33***SI-31***

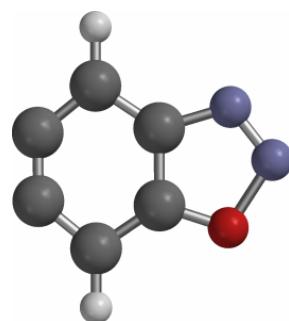
H	3.246004	-0.990687	0.000000
C	2.267555	-0.524056	0.000000
C	-0.303016	0.812434	0.000000
C	1.087424	-1.280382	0.000000
C	1.997465	0.845170	0.000000
C	0.924923	1.479359	0.000000
C	-0.157550	-0.610908	0.000000
H	1.142002	-2.365071	0.000000
N	-1.455634	-1.026632	0.000000
H	-1.841442	-1.960010	0.000000
N	-2.318159	0.030173	0.000000
N	-1.635252	1.130937	0.000000



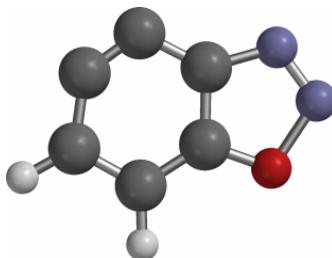
C	1.960354	-0.853015	0.000000
C	-0.152171	0.637795	0.000000
C	0.903190	-1.518541	0.000000
C	2.285749	0.501842	0.000000
C	1.115547	1.270513	0.000000
C	-0.281550	-0.780817	0.000000
H	3.277641	0.936236	0.000000
H	1.176123	2.354495	0.000000
N	-1.627314	-0.974688	0.000000
H	-2.161204	-1.831811	0.000000
N	-2.287774	0.220885	0.000000
N	-1.418394	1.180748	0.000000

SI-34

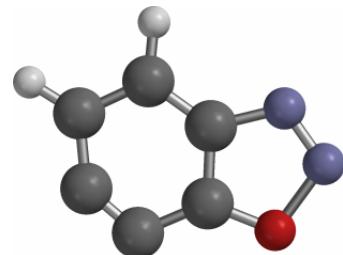
H	-0.905502	-2.525113	0.000000
C	-0.914277	-1.440423	0.000000
C	-0.893226	1.437103	0.000000
C	0.277618	-0.708839	0.000000
C	-2.093870	-0.707271	0.000000
C	-2.077047	0.705796	0.000000
C	0.288306	0.691327	0.000000
H	-3.048659	-1.223899	0.000000
H	-3.022850	1.240363	0.000000
H	-0.882883	2.521104	0.000000
N	1.605206	-1.114851	0.000000
N	2.373414	-0.134781	0.000000
O	1.559592	1.109484	0.000000

SI-36

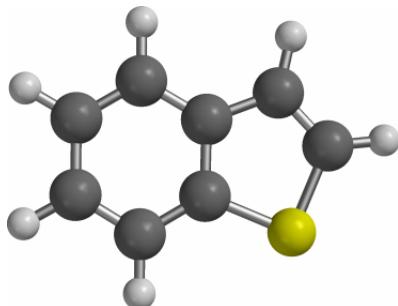
C	2.080315	-0.624393	0.000000
C	2.096422	0.631131	0.000000
C	1.028931	1.500466	0.000000
H	1.031549	2.584350	0.000000
C	-0.154132	0.720348	0.000000
C	-0.161472	-0.702672	0.000000
C	1.010689	-1.494637	0.000000
H	1.009987	-2.577787	0.000000
N	-1.478640	1.113308	0.000000
N	-2.250173	0.136266	0.000000
O	-1.433910	-1.111030	0.000000

SI-35

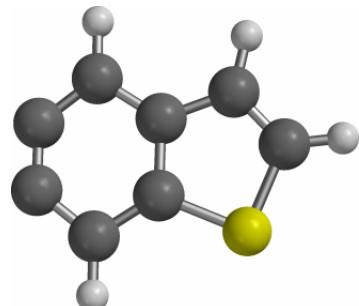
C	-0.886904	-1.518760	0.000000
C	-1.086328	1.264110	0.000000
C	0.304950	-0.800420	0.000000
C	-1.954175	-0.869713	0.000000
C	-2.256351	0.486295	0.000000
C	0.164735	0.612466	0.000000
H	-3.244213	0.932016	0.000000
H	-1.143562	2.347220	0.000000
N	1.660910	-1.069062	0.000000
N	2.329630	-0.023048	0.000000
O	1.380376	1.153982	0.000000

SI-37

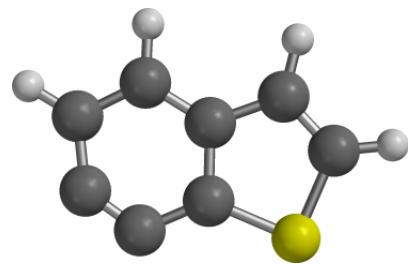
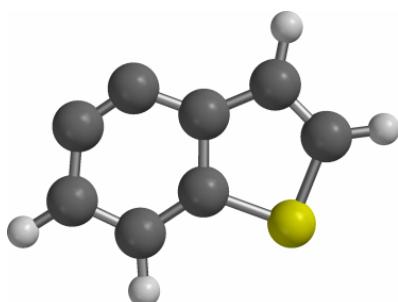
H	-1.156787	-2.354485	0.000000
C	-1.100883	-1.270490	0.000000
C	-0.876032	1.513961	0.000000
C	0.154521	-0.625707	0.000000
C	-2.271272	-0.497698	0.000000
C	-1.936153	0.851632	0.000000
C	0.307259	0.783458	0.000000
H	-3.264527	-0.928323	0.000000
N	1.436030	-1.146131	0.000000
N	2.296597	-0.247045	0.000000
O	1.600420	1.086861	0.000000

SI-38

H	-0.899493	-2.505831	0.000000
C	-1.037730	-1.428432	0.000000
C	-1.403072	1.376939	0.000000
C	0.061047	-0.563518	0.000000
C	-2.313621	-0.875370	0.000000
C	-2.494585	0.519883	0.000000
C	-0.100360	0.844853	0.000000
H	-3.180588	-1.530295	0.000000
H	-3.501230	0.928780	0.000000
H	-1.546493	2.454484	0.000000
C	1.166869	1.531402	0.000000
H	1.262214	2.612224	0.000000
C	2.228432	0.685436	0.000000
H	3.279705	0.942647	0.000000
S	1.763672	-1.003957	0.000000

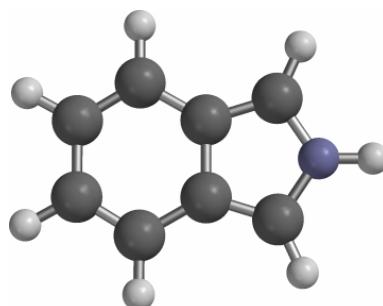
SI-40

H	-1.753502	-2.450830	0.000000
C	-1.569734	-1.381101	0.000000
C	-1.097197	1.533036	0.000000
C	-0.253135	-0.835598	0.000000
C	-2.499716	-0.368148	0.000000
C	-2.305943	0.871319	0.000000
C	-0.045535	0.584193	0.000000
H	-0.927170	2.604849	0.000000
S	1.675566	0.960362	0.000000
C	2.085329	-0.743813	0.000000
H	3.128078	-1.034963	0.000000
C	0.997540	-1.554113	0.000000
H	1.058263	-2.637263	0.000000

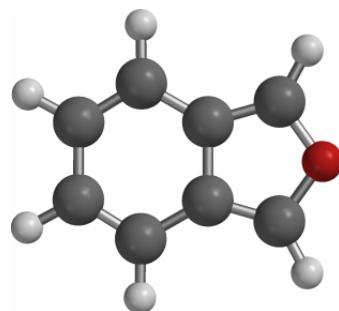
SI-41**SI-39**

C	-1.442077	-1.403698	0.000000
C	-1.211176	1.284790	0.000000
C	-0.115006	-0.975945	0.000000
C	-2.443392	-0.661077	0.000000
C	-2.502992	0.730041	0.000000
C	-0.066122	0.461571	0.000000
H	-3.395649	1.345546	0.000000
H	-1.098656	2.366030	0.000000
S	1.608343	0.996988	0.000000
C	2.182454	-0.655847	0.000000
H	3.249219	-0.838378	0.000000
C	1.184831	-1.579812	0.000000
H	1.350836	-2.650620	0.000000

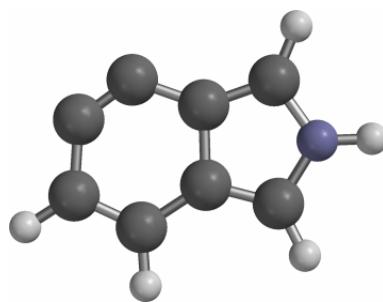
H	-1.792994	-2.254537	0.000000
C	-1.581148	-1.187757	0.000000
C	-1.023267	1.480767	0.000000
C	-0.231910	-0.753280	0.000000
C	-2.657970	-0.285806	0.000000
C	-2.183487	1.018397	0.000000
C	0.084472	0.648413	0.000000
H	-3.692584	-0.608409	0.000000
S	1.813658	0.926812	0.000000
C	2.107328	-0.800997	0.000000
H	3.128753	-1.158956	0.000000
C	0.971373	-1.546444	0.000000
H	0.973932	-2.631337	0.000000

SI-42

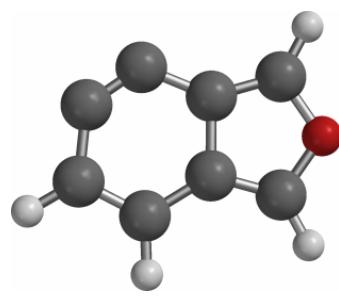
C	0.714999	0.000000	2.153016
H	1.238782	0.000000	3.105450
C	1.430766	0.000000	0.980872
H	2.518142	0.000000	0.992527
C	-0.714999	0.000000	2.153016
H	-1.238782	0.000000	3.105450
C	-1.430766	0.000000	0.980872
H	-2.518142	0.000000	0.992527
C	0.726058	0.000000	-0.255083
C	-0.726058	0.000000	-0.255083
C	1.134924	0.000000	-1.587443
H	2.117187	0.000000	-2.036008
C	-1.134924	0.000000	-1.587443
H	-2.117187	0.000000	-2.036008
N	0.000000	0.000000	-2.354387
H	0.000000	0.000000	-3.363930

SI-44

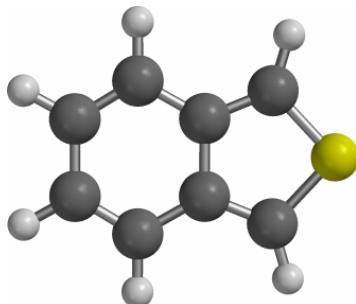
C	-1.437862	0.000000	0.981922
H	-2.524388	0.000000	0.993307
C	-0.719051	0.000000	2.146076
H	-1.238232	0.000000	3.100707
C	0.719051	0.000000	2.146076
H	1.238232	0.000000	3.100707
C	1.437862	0.000000	0.981922
H	2.524388	0.000000	0.993307
C	0.727608	0.000000	-0.258078
C	-0.727608	0.000000	-0.258078
C	-1.103412	0.000000	-1.581820
H	-2.052316	0.000000	-2.094975
C	1.103412	0.000000	-1.581820
H	2.052316	0.000000	-2.094975
O	0.000000	0.000000	-2.373275

SI-43

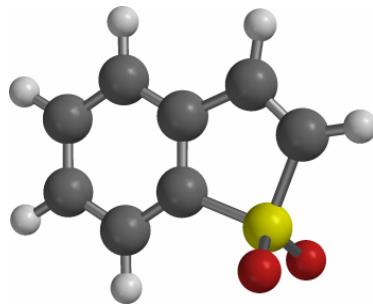
C	-0.987781	-1.455736	0.000000
C	-2.070407	-0.851822	0.000000
C	-2.333624	0.535957	0.000000
H	-3.312355	1.002831	0.000000
C	-1.158667	1.274216	0.000000
H	-1.217946	2.360398	0.000000
C	0.127893	0.644704	0.000000
C	0.271838	-0.825035	0.000000
C	1.626709	-1.116069	0.000000
H	2.160843	-2.053482	0.000000
C	1.425233	1.152611	0.000000
H	1.795303	2.167469	0.000000
N	2.285838	0.088489	0.000000
H	3.291301	0.178124	0.000000

SI-45

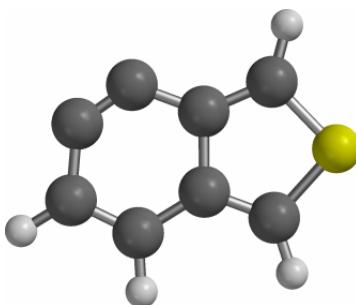
C	1.148545	-1.278632	0.000000
H	1.211275	-2.363931	0.000000
C	2.313730	-0.534985	0.000000
H	3.295453	-0.994617	0.000000
C	2.043174	0.856214	0.000000
C	0.968509	1.469001	0.000000
C	-0.290919	0.826503	0.000000
C	-0.144496	-0.647293	0.000000
C	-1.635862	1.083434	0.000000
H	-2.234415	1.979996	0.000000
C	-1.433876	-1.124356	0.000000
H	-1.869391	-2.111880	0.000000
O	-2.317760	-0.094660	0.000000

SI-46

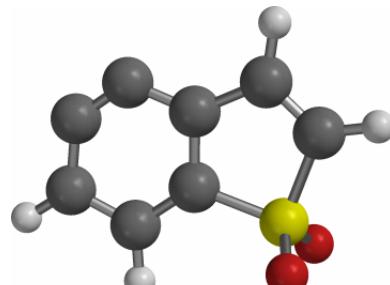
C	-1.426903	0.000000	1.306048
H	-2.513713	0.000000	1.311467
C	-0.716954	0.000000	2.475314
H	-1.241222	0.000000	3.427216
C	0.716954	0.000000	2.475314
H	1.241222	0.000000	3.427216
C	1.426903	0.000000	1.306048
H	2.513713	0.000000	1.311467
C	-0.727176	0.000000	0.056999
C	0.727176	0.000000	0.056999
C	1.248444	0.000000	-1.226762
H	2.287221	0.000000	-1.527599
C	-1.248444	0.000000	-1.226762
H	-2.287221	0.000000	-1.527599
S	0.000000	0.000000	-2.407968

SI-48

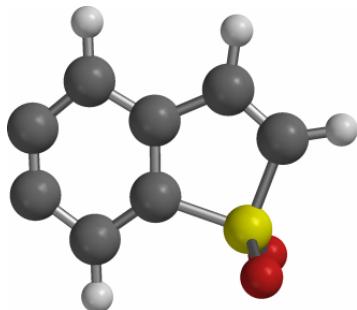
H	2.572660	-2.153310	0.000000
C	2.159369	-1.148150	0.000000
C	1.095469	1.472599	0.000000
C	0.779400	-0.951912	0.000000
C	3.004363	-0.031581	0.000000
C	2.482444	1.263916	0.000000
C	0.278474	0.356931	0.000000
H	4.080921	-0.176051	0.000000
H	3.153379	2.117899	0.000000
H	0.678631	2.475128	0.000000
C	-0.284734	-1.973525	0.000000
H	-0.050258	-3.034000	0.000000
C	-1.531543	-1.487306	0.000000
H	-2.476553	-2.014479	0.000000
S	-1.524537	0.310849	0.000000
O	-2.059964	0.825665	-1.268547
O	-2.059964	0.825665	1.268547

SI-47

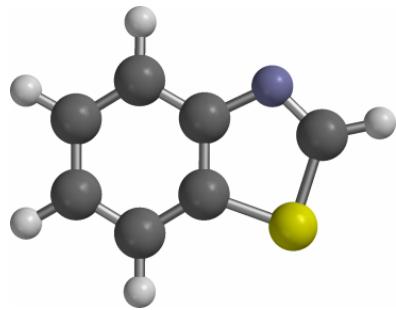
C	1.467868	1.278860	0.000000
H	1.502876	2.365699	0.000000
C	2.650536	0.565431	0.000000
H	3.622468	1.045699	0.000000
C	2.406260	-0.828826	0.000000
C	1.336829	-1.449816	0.000000
C	0.056152	-0.844600	0.000000
C	0.177322	0.632288	0.000000
C	-1.251931	-1.276419	0.000000
H	-1.624650	-2.290627	0.000000
C	-1.072572	1.225912	0.000000
H	-1.312627	2.280577	0.000000
S	-2.338359	0.060563	0.000000

SI-49

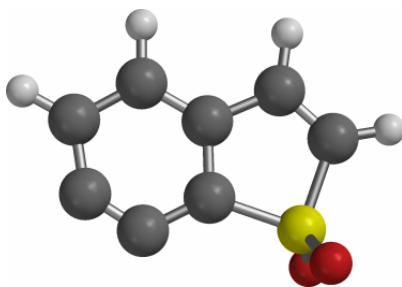
C	2.181325	-1.165656	0.000000
C	1.265635	1.375674	0.000000
C	0.801104	-1.071327	0.000000
C	2.956528	-0.180711	0.000000
C	2.671926	1.169276	0.000000
C	0.395623	0.288676	0.000000
H	3.375642	1.993608	0.000000
H	0.876561	2.390250	0.000000
S	-1.412121	0.336804	0.000000
O	-1.918560	0.875503	1.269398
O	-1.918560	0.875503	-1.269398
C	-1.523451	-1.459105	0.000000
H	-2.501051	-1.923758	0.000000
C	-0.312448	-2.030016	0.000000
H	-0.142551	-3.101493	0.000000

SI-50

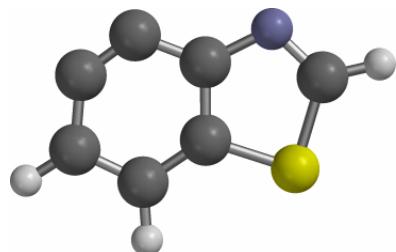
S	-1.433466	0.277308	0.000000
O	-1.985238	0.770032	-1.269179
O	-1.985238	0.770032	1.269179
C	-1.359252	-1.516677	0.000000
H	-2.277888	-2.089407	0.000000
C	-0.090427	-1.944448	0.000000
H	0.188155	-2.994170	0.000000
C	0.935574	-0.884484	0.000000
C	2.456916	1.288218	0.000000
C	0.372510	0.413964	0.000000
C	2.335372	-1.074424	0.000000
C	2.979924	0.152857	0.000000
C	1.105046	1.605938	0.000000
H	2.791932	-2.059096	0.000000
H	0.649663	2.590115	0.000000

SI-52

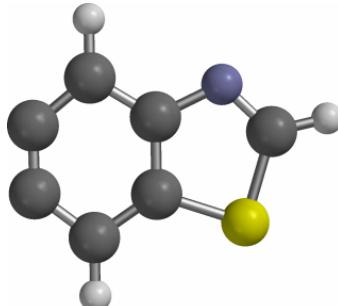
H	-1.489381	-2.454492	0.000000
C	-1.373124	-1.375369	0.000000
C	-1.023525	1.441413	0.000000
C	-0.082921	-0.825308	0.000000
C	-2.468176	-0.521130	0.000000
C	-2.294780	0.874581	0.000000
C	0.078276	0.581963	0.000000
H	-3.472903	-0.934073	0.000000
H	-3.166380	1.523227	0.000000
H	-0.895658	2.519553	0.000000
S	1.789875	0.965111	0.000000
C	2.118829	-0.772856	0.000000
H	3.146868	-1.119380	0.000000
N	1.096359	-1.560254	0.000000

SI-51

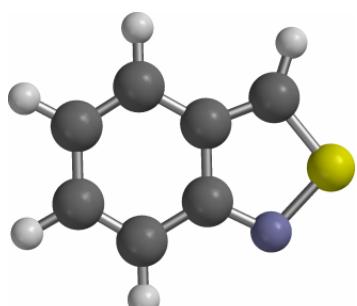
H	2.719526	-1.947495	0.000000
C	2.276825	-0.954543	0.000000
C	1.151898	1.519672	0.000000
C	0.879419	-0.815840	0.000000
C	3.134414	0.174593	0.000000
C	2.392648	1.334900	0.000000
C	0.274620	0.466220	0.000000
H	4.214449	0.083342	0.000000
S	-1.526524	0.306888	0.000000
O	-2.090788	0.779816	1.270506
O	-2.090788	0.779816	-1.270506
C	-1.401645	-1.487939	0.000000
H	-2.308001	-2.079622	0.000000
C	-0.126768	-1.897031	0.000000
H	0.166429	-2.942831	0.000000

SI-53

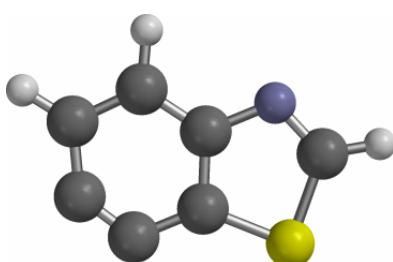
C	-1.373162	-1.430147	0.000000
C	-1.203575	1.290227	0.000000
C	-0.066255	-0.947902	0.000000
C	-2.374265	-0.684821	0.000000
C	-2.480613	0.699153	0.000000
C	-0.044380	0.490272	0.000000
H	-3.390888	1.287663	0.000000
H	-1.119535	2.373588	0.000000
S	1.631356	1.006437	0.000000
C	2.108835	-0.693714	0.000000
H	3.163239	-0.947552	0.000000
N	1.161034	-1.573230	0.000000

SI-54

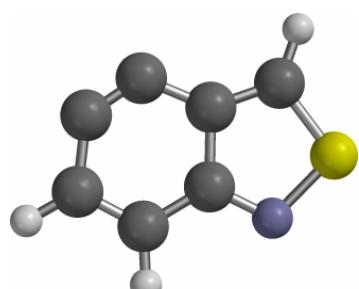
H	-1.652665	-2.480422	0.000000
C	-1.512542	-1.405482	0.000000
C	-1.101969	1.529547	0.000000
C	-0.216749	-0.821647	0.000000
C	-2.461639	-0.409606	0.000000
C	-2.293591	0.832776	0.000000
C	-0.034195	0.604210	0.000000
H	-0.963925	2.605446	0.000000
S	1.687474	0.949683	0.000000
C	1.989392	-0.793223	0.000000
H	3.012237	-1.155654	0.000000
N	0.954847	-1.563219	0.000000

SI-56

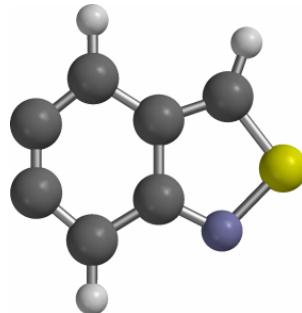
C	1.266471	-1.417250	0.000000
H	1.246032	-2.502213	0.000000
C	2.439502	-0.710333	0.000000
H	3.387446	-1.241723	0.000000
C	2.455180	0.722932	0.000000
H	3.412705	1.236309	0.000000
C	1.292829	1.447019	0.000000
H	1.307355	2.533396	0.000000
C	0.045558	0.750798	0.000000
C	0.030125	-0.699819	0.000000
N	-1.172303	-1.287324	0.000000
S	-2.331232	-0.097969	0.000000
C	-1.257338	1.229012	0.000000
H	-1.598580	2.256457	0.000000

SI-55

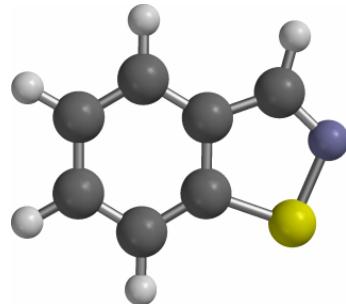
H	-1.709902	-2.247667	0.000000
C	-1.534154	-1.176145	0.000000
C	-1.002752	1.511027	0.000000
C	-0.195345	-0.714750	0.000000
C	-2.618245	-0.285176	0.000000
C	-2.152966	1.022423	0.000000
C	0.109509	0.687463	0.000000
H	-3.650766	-0.613799	0.000000
S	1.845531	0.918008	0.000000
C	2.007318	-0.843667	0.000000
H	2.998817	-1.283732	0.000000
N	0.918546	-1.539326	0.000000

SI-57

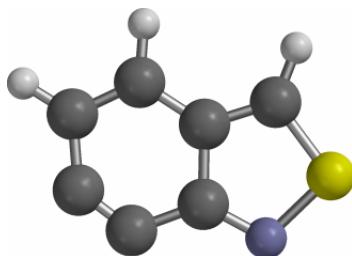
C	2.630099	0.514878	0.000000
H	3.608812	0.981611	0.000000
C	1.457615	1.242615	0.000000
H	1.480929	2.327943	0.000000
C	2.374224	-0.878063	0.000000
C	1.302687	-1.496916	0.000000
C	0.163402	0.599029	0.000000
C	0.035171	-0.873165	0.000000
N	-0.987898	1.271898	0.000000
C	-1.296228	-1.237919	0.000000
H	-1.724773	-2.231109	0.000000
S	-2.246535	0.184546	0.000000

SI-58

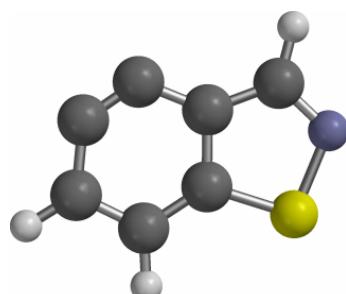
C	1.136110	-1.227667	0.000000
H	1.479949	-2.254170	0.000000
S	2.211691	0.097381	0.000000
N	1.058049	1.286591	0.000000
C	-0.170256	-0.759794	0.000000
C	-0.148462	0.714249	0.000000
C	-1.413163	-1.503676	0.000000
H	-1.444739	-2.588514	0.000000
C	-2.456852	-0.633652	0.000000
C	-2.430362	0.632052	0.000000
C	-1.380314	1.487800	0.000000
H	-1.367778	2.571568	0.000000

SI-60

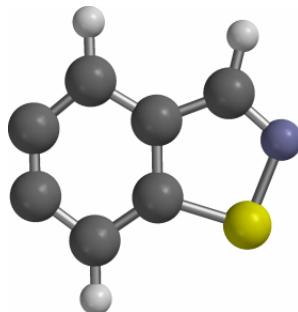
H	-1.569175	-2.440009	0.000000
C	-1.418433	-1.363724	0.000000
C	-0.018942	1.447614	0.000000
C	-0.115571	-0.832955	0.000000
C	-2.497496	-0.493818	0.000000
C	-2.296047	0.901930	0.000000
C	0.072821	0.569082	0.000000
H	-3.510290	-0.886299	0.000000
H	-3.157464	1.564251	0.000000
H	-0.875590	2.524005	0.000000
S	1.790481	0.896219	0.000000
N	2.233064	-0.747947	0.000000
C	1.162915	-1.495627	0.000000
H	1.289931	-2.576277	0.000000

SI-59

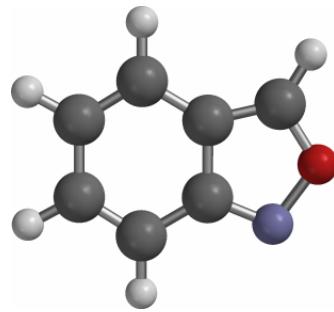
C	2.634978	0.481423	0.000000
H	3.629668	0.911814	0.000000
C	1.486191	1.251144	0.000000
H	1.568129	2.335081	0.000000
C	2.316357	-0.893997	0.000000
C	1.231870	-1.491090	0.000000
C	0.176377	0.653719	0.000000
C	-0.014456	-0.814506	0.000000
C	-1.071343	1.254720	0.000000
H	-1.311717	2.310470	0.000000
N	-1.260727	-1.265828	0.000000
S	-2.283195	0.047886	0.000000

SI-61

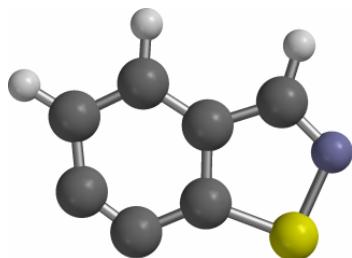
C	2.510649	0.684893	0.000000
H	3.422828	1.270993	0.000000
C	1.239078	1.282643	0.000000
H	1.163627	2.366733	0.000000
C	2.408366	-0.703029	0.000000
C	1.398399	-1.433581	0.000000
C	0.090617	-0.944298	0.000000
C	0.069378	0.491304	0.000000
S	-1.605350	0.984083	0.000000
N	-2.220065	-0.599943	0.000000
C	-1.243273	-1.469040	0.000000
H	-1.487797	-2.527748	0.000000

SI-62

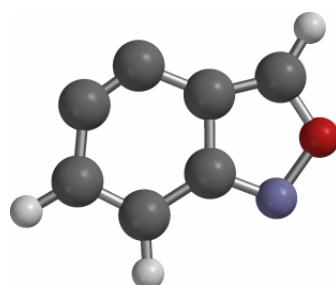
C	2.316456	-0.816487	0.000000
C	2.482104	0.428287	0.000000
C	1.525411	1.413436	0.000000
H	1.676199	2.488200	0.000000
C	0.228605	0.819782	0.000000
C	0.052314	-0.599791	0.000000
C	1.133438	-1.519931	0.000000
H	0.999975	-2.596442	0.000000
S	-1.667818	-0.933254	0.000000
N	-2.124588	0.708342	0.000000
C	-1.060289	1.463266	0.000000
H	-1.197296	2.542663	0.000000

SI-64

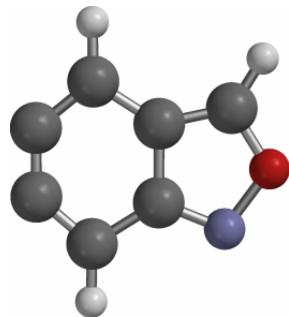
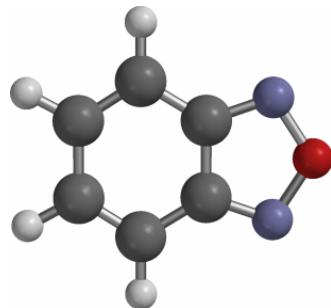
C	0.915939	-1.448130	0.000000
H	0.881874	-2.532527	0.000000
C	2.095275	-0.753723	0.000000
H	3.035763	-1.298092	0.000000
C	2.139907	0.683412	0.000000
H	3.109857	1.172239	0.000000
C	0.996852	1.436749	0.000000
H	1.035174	2.522073	0.000000
C	-0.252387	0.749948	0.000000
C	-0.295848	-0.691578	0.000000
N	-1.540988	-1.156530	0.000000
O	-2.337756	-0.009778	0.000000
C	-1.583038	1.095198	0.000000
H	-2.118116	2.033995	0.000000

SI-63

C	2.167467	1.008952	0.000000
C	1.018021	1.494558	0.000000
C	2.624966	-0.303850	0.000000
H	3.655184	-0.639263	0.000000
C	1.536715	-1.189551	0.000000
H	1.728220	-2.259920	0.000000
C	0.198203	-0.723497	0.000000
C	-0.105434	0.678266	0.000000
S	-1.833447	0.890537	0.000000
N	-2.154203	-0.780843	0.000000
C	-1.037379	-1.460180	0.000000
H	-1.102615	-2.546220	0.000000

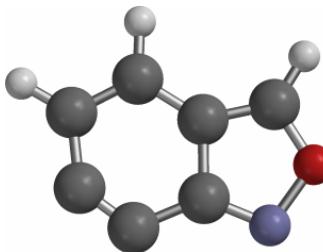
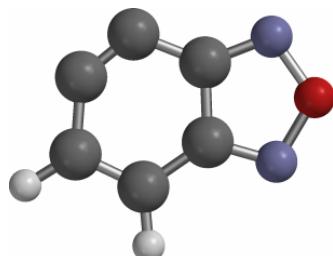
SI-65

C	2.016840	0.897412	0.000000
C	0.942278	1.511429	0.000000
C	2.299192	-0.491126	0.000000
H	3.287065	-0.937731	0.000000
C	1.145825	-1.250662	0.000000
H	1.199508	-2.334726	0.000000
C	-0.299614	0.841301	0.000000
C	-0.148905	-0.615767	0.000000
C	-1.657358	1.019280	0.000000
H	-2.308206	1.880876	0.000000
N	-1.330066	-1.218184	0.000000
O	-2.261259	-0.178463	0.000000

SI-66**SI-68**

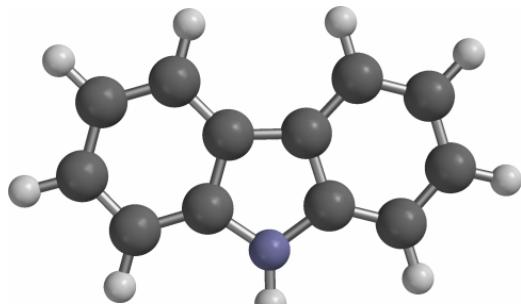
N	1.395181	-1.208174	0.000000
O	2.226340	-0.089651	0.000000
C	1.509660	1.040791	0.000000
H	2.078011	1.959680	0.000000
C	0.165816	0.749804	0.000000
C	0.163034	-0.711759	0.000000
C	-1.056417	1.526396	0.000000
H	-1.071552	2.611163	0.000000
C	-2.109296	0.668933	0.000000
C	-2.102103	-0.598928	0.000000
C	-1.072826	-1.479096	0.000000
H	-1.086124	-2.562632	0.000000

C	0.720345	0.000000	2.078185
H	1.232909	0.000000	3.035809
C	1.451187	0.000000	0.921510
H	2.535637	0.000000	0.916825
C	0.718347	0.000000	-0.302124
C	-0.718347	0.000000	-0.302124
C	-1.451187	0.000000	0.921510
H	-2.535637	0.000000	0.916825
C	-0.720345	0.000000	2.078185
H	-1.232909	0.000000	3.035809
N	1.143822	0.000000	-1.554690
N	-1.143822	0.000000	-1.554690
O	0.000000	0.000000	-2.306189

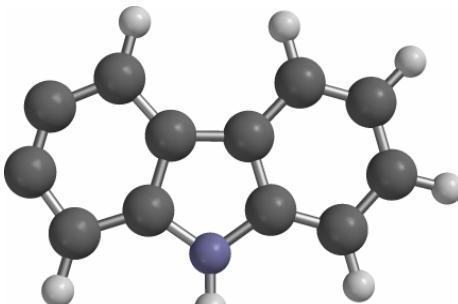
SI-67**SI-69**

C	1.970199	0.892785	0.000000
C	0.890472	1.498075	0.000000
C	2.301380	-0.481945	0.000000
H	3.300005	-0.902086	0.000000
C	1.161444	-1.265809	0.000000
H	1.255600	-2.348317	0.000000
C	-0.335755	0.790221	0.000000
C	-0.141532	-0.663817	0.000000
N	-1.610604	1.136626	0.000000
C	-1.436710	-1.118801	0.000000
H	-1.891662	-2.099446	0.000000
O	-2.290193	-0.086468	0.000000

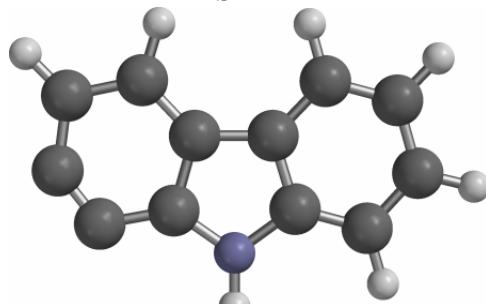
C	1.103863	-1.284942	0.000000
H	1.156735	-2.368694	0.000000
C	2.254403	-0.521853	0.000000
H	3.245348	-0.960128	0.000000
C	1.956689	0.862895	0.000000
C	0.898782	1.505208	0.000000
C	-0.333981	0.813808	0.000000
C	-0.182373	-0.638409	0.000000
N	-1.388548	-1.171286	0.000000
N	-1.614953	1.115742	0.000000
O	-2.247140	-0.101280	0.000000

SI-70

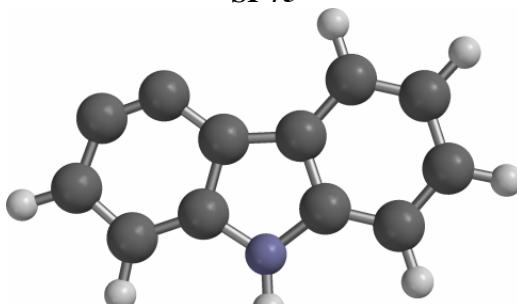
H	-1.406069	0.000000	2.558366
C	-1.698575	0.000000	1.511352
C	-2.481856	0.000000	-1.219974
C	-0.725217	0.000000	0.505213
C	-3.044395	0.000000	1.154675
C	-3.428441	0.000000	-0.197894
C	-1.133657	0.000000	-0.855344
H	-3.807626	0.000000	1.927725
H	-4.484561	0.000000	-0.454109
H	-2.785201	0.000000	-2.263745
C	0.725217	0.000000	0.505213
C	3.428441	0.000000	-0.197894
C	1.698575	0.000000	1.511352
C	1.133657	0.000000	-0.855344
C	2.481856	0.000000	-1.219974
C	3.044395	0.000000	1.154675
H	1.406069	0.000000	2.558366
H	2.785201	0.000000	-2.263745
H	3.807626	0.000000	1.927725
H	4.484561	0.000000	-0.454109
N	0.000000	0.000000	-1.653872
H	0.000000	0.000000	-2.661728

SI-72

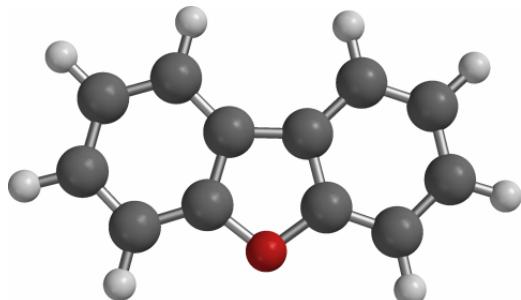
H	-1.457794	-2.662883	0.000000
C	-1.757343	-1.619762	0.000000
C	-2.626627	1.210583	0.000000
C	-0.827344	-0.551794	0.000000
C	-3.041901	-1.116348	0.000000
C	-3.419739	0.078847	0.000000
C	-1.266667	0.819828	0.000000
H	-2.949454	2.247467	0.000000
C	0.623510	-0.518045	0.000000
C	1.007362	0.848663	0.000000
N	-0.139931	1.628330	0.000000
H	-0.154330	2.636086	0.000000
C	1.615109	-1.506720	0.000000
H	1.342567	-2.559004	0.000000
H	3.730666	-1.885330	0.000000
C	2.954005	-1.125948	0.000000
H	4.364799	0.508604	0.000000
C	3.313592	0.233273	0.000000
H	2.632149	2.287180	0.000000
C	2.348555	1.237935	0.000000

SI-71

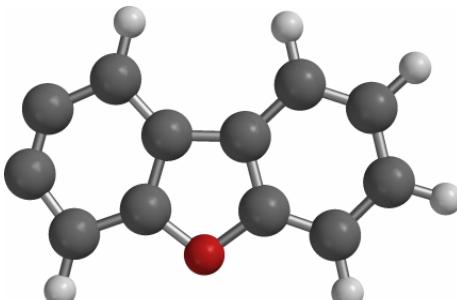
H	-1.557930	-2.466489	0.000000
C	-1.840311	-1.416133	0.000000
C	-2.549936	1.252796	0.000000
C	-0.840250	-0.423874	0.000000
C	-3.211389	-1.087978	0.000000
C	-3.350201	0.289971	0.000000
C	-1.188817	0.969856	0.000000
H	-3.996332	-1.834035	0.000000
C	0.609876	-0.466759	0.000000
C	1.066677	0.880031	0.000000
N	-0.035089	1.725298	0.000000
H	-0.003485	2.732813	0.000000
H	1.226659	-2.540637	0.000000
C	1.552342	-1.503540	0.000000
H	3.645132	-1.989347	0.000000
C	2.908410	-1.191000	0.000000
H	4.402679	0.367905	0.000000
C	3.338644	0.147665	0.000000
H	2.762297	2.233050	0.000000
C	2.426241	1.199464	0.000000

SI-73

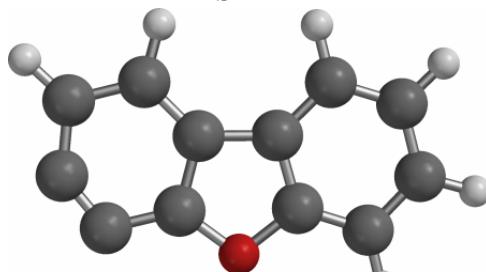
C	1.782008	-1.558426	0.000000
C	2.607360	1.030209	0.000000
C	0.734863	-0.643399	0.000000
C	2.991240	-1.247724	0.000000
C	3.580111	0.012456	0.000000
C	1.236320	0.706718	0.000000
H	4.641684	0.234671	0.000000
H	2.924430	2.070341	0.000000
C	-0.702986	-0.571544	0.000000
C	-1.033081	0.811650	0.000000
N	0.137644	1.553828	0.000000
H	0.179547	2.561023	0.000000
H	-1.485911	-2.585480	0.000000
C	-1.728541	-1.526373	0.000000
H	-3.855444	-1.825314	0.000000
C	-3.050347	-1.096146	0.000000
H	-4.400699	0.589831	0.000000
C	-3.359917	0.277364	0.000000
H	-2.607924	2.305496	0.000000
C	-2.361348	1.246959	0.000000

SI-74

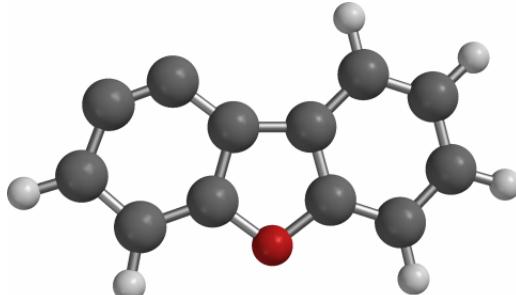
H	-1.469879	0.000000	2.570018
C	-1.726383	0.000000	1.514170
C	-2.419614	0.000000	-1.249272
C	-0.726178	0.000000	0.535458
C	-3.059550	0.000000	1.107228
C	-3.400461	0.000000	-0.255695
C	-1.099272	0.000000	-0.822026
H	-3.848369	0.000000	1.854115
H	-4.447596	0.000000	-0.545218
H	-2.668604	0.000000	-2.305273
C	0.726178	0.000000	0.535458
C	3.400461	0.000000	-0.255695
C	1.726383	0.000000	1.514170
C	1.099272	0.000000	-0.822026
C	2.419614	0.000000	-1.249272
C	3.059550	0.000000	1.107228
H	1.469879	0.000000	2.570018
H	2.668604	0.000000	-2.305273
H	3.848369	0.000000	1.854115
H	4.447596	0.000000	-0.545218
O	0.000000	0.000000	-1.651381

SI-76

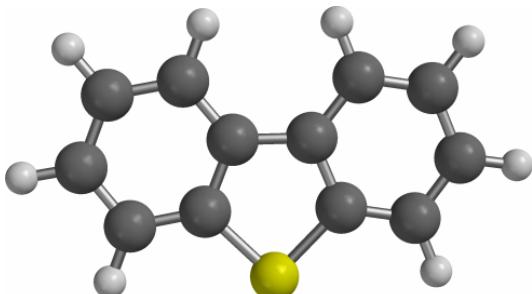
H	-1.528968	-2.672800	0.000000
C	-1.789693	-1.619693	0.000000
C	-2.561397	1.247240	0.000000
C	-0.831310	-0.580222	0.000000
C	-3.056896	-1.067424	0.000000
C	-3.391590	0.139586	0.000000
C	-1.231263	0.791624	0.000000
H	-2.829515	2.297744	0.000000
C	0.621216	-0.547971	0.000000
C	3.282950	0.287152	0.000000
C	1.637923	-1.510088	0.000000
C	0.973045	0.814677	0.000000
C	2.285863	1.264148	0.000000
C	2.963803	-1.081163	0.000000
H	1.399929	-2.570159	0.000000
H	2.516115	2.324346	0.000000
H	3.764358	-1.815339	0.000000
H	4.325156	0.593586	0.000000
O	-0.139349	1.627492	0.000000

SI-75

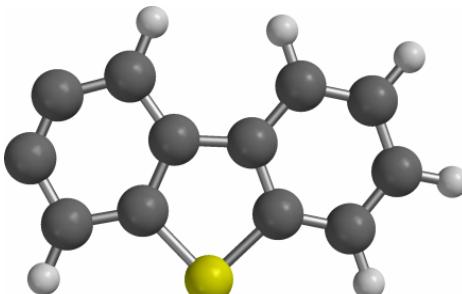
H	-1.619628	-2.468636	0.000000
C	-1.863522	-1.409227	0.000000
C	-2.482899	1.296251	0.000000
C	-0.836766	-0.446060	0.000000
C	-3.222280	-1.026745	0.000000
C	-3.307626	0.351527	0.000000
C	-1.147035	0.944254	0.000000
H	-4.035031	-1.742367	0.000000
C	0.614850	-0.497341	0.000000
C	3.319637	0.193470	0.000000
C	1.579545	-1.512130	0.000000
C	1.041528	0.845664	0.000000
C	2.377046	1.222514	0.000000
C	2.926563	-1.155391	0.000000
H	1.284173	-2.557742	0.000000
H	2.664282	2.268696	0.000000
H	3.686304	-1.931795	0.000000
H	4.376916	0.442846	0.000000
O	-0.021946	1.723688	0.000000

SI-77

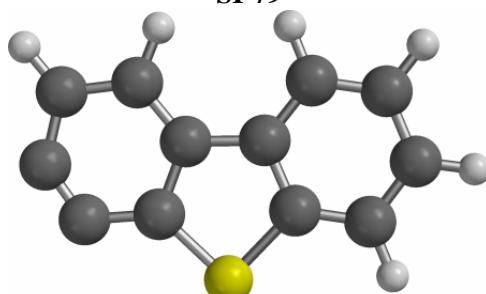
C	1.807598	-1.568551	0.000000
C	2.551130	1.057251	0.000000
C	0.740040	-0.676906	0.000000
C	3.002185	-1.202952	0.000000
C	3.557645	0.070945	0.000000
C	1.203597	0.670472	0.000000
H	4.612269	0.322350	0.000000
H	2.811419	2.111137	0.000000
C	-0.701973	-0.605442	0.000000
C	-3.325323	0.331541	0.000000
C	-1.753220	-1.530208	0.000000
C	-0.997063	0.772779	0.000000
C	-2.293134	1.270524	0.000000
C	-3.059936	-1.049408	0.000000
H	-1.548767	-2.596828	0.000000
H	-2.483794	2.338548	0.000000
H	-3.889415	-1.750694	0.000000
H	-4.355235	0.677063	0.000000
O	0.142717	1.546761	0.000000

SI-78

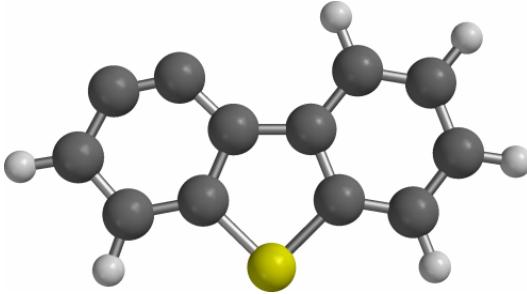
H	-1.226895	0.000000	2.670699
C	-1.613205	0.000000	1.654878
C	-2.637744	0.000000	-0.973243
C	-0.727675	0.000000	0.566358
C	-2.985508	0.000000	1.430923
C	-3.495678	0.000000	0.123581
C	-1.260639	0.000000	-0.742513
H	-3.668824	0.000000	2.275472
H	-4.570227	0.000000	-0.037067
H	-3.031679	0.000000	-1.985564
C	0.727675	0.000000	0.566358
C	3.495678	0.000000	0.123581
C	1.613205	0.000000	1.654878
C	1.260639	0.000000	-0.742513
C	2.637744	0.000000	-0.973243
C	2.985508	0.000000	1.430923
H	1.226895	0.000000	2.670699
H	3.031679	0.000000	-1.985564
H	3.668824	0.000000	2.275472
H	4.570227	0.000000	-0.037067
S	0.000000	0.000000	-1.982579

SI-80

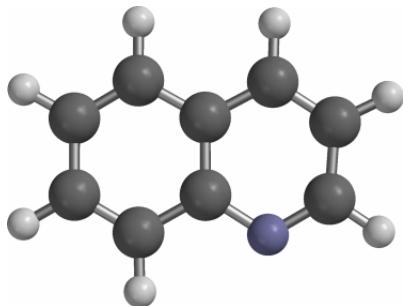
H	-1.214968	-2.797946	0.000000
C	-1.627211	-1.794139	0.000000
C	-2.782503	0.914266	0.000000
C	-0.807902	-0.633179	0.000000
C	-2.959218	-1.442144	0.000000
C	-3.454001	-0.291011	0.000000
C	-1.389083	0.673838	0.000000
H	-3.209600	1.911812	0.000000
C	0.648425	-0.577914	0.000000
C	3.401613	-0.046923	0.000000
C	1.569032	-1.637680	0.000000
C	1.140315	0.745623	0.000000
C	2.508825	1.021479	0.000000
C	2.933307	-1.369814	0.000000
H	1.217051	-2.665795	0.000000
H	2.869199	2.046274	0.000000
H	3.642969	-2.192214	0.000000
H	4.470353	0.148223	0.000000
S	-0.157962	1.947166	0.000000

SI-79

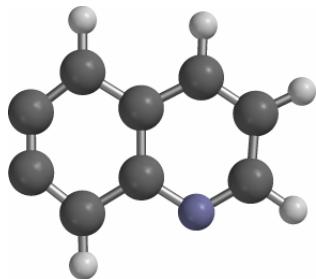
H	-1.357650	-2.601631	0.000000
C	-1.741409	-1.584285	0.000000
C	-2.687375	0.963880	0.000000
C	-0.832974	-0.501741	0.000000
C	-3.136691	-1.397331	0.000000
C	-3.427129	-0.043380	0.000000
C	-1.308636	0.849324	0.000000
H	-3.838443	-2.223007	0.000000
C	0.622496	-0.539796	0.000000
C	3.405453	-0.179173	0.000000
C	1.478083	-1.653516	0.000000
C	1.196317	0.753335	0.000000
C	2.580348	0.941713	0.000000
C	2.855798	-1.470575	0.000000
H	1.063072	-2.657769	0.000000
H	3.003397	1.942184	0.000000
H	3.513070	-2.335495	0.000000
H	4.484189	-0.050655	0.000000
S	-0.015171	2.043391	0.000000

SI-81

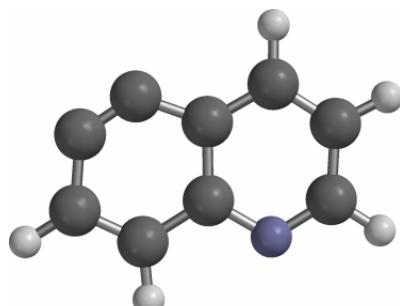
H	3.148661	-1.792929	0.000000
C	2.737324	-0.786708	0.000000
C	1.670496	1.694962	0.000000
C	1.341626	-0.602029	0.000000
C	3.617089	0.313670	0.000000
C	2.904453	1.504900	0.000000
C	0.712814	0.684565	0.000000
H	4.694582	0.193006	0.000000
C	-0.729483	0.615627	0.000000
C	-3.461715	0.035609	0.000000
C	-1.187752	-0.720822	0.000000
C	-1.662719	1.663470	0.000000
C	-3.020456	1.369466	0.000000
C	-2.552387	-1.018854	0.000000
H	-1.312584	2.692203	0.000000
H	-3.747817	2.176234	0.000000
H	-2.897880	-2.048700	0.000000
H	-4.526801	-0.179026	0.000000
S	0.135115	-1.896938	0.000000

SI-82

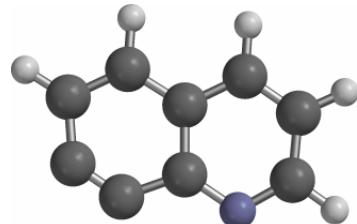
H	3.397968	-1.132760	0.000000
C	2.421728	-0.657021	0.000000
H	1.289647	-2.484344	0.000000
C	1.263204	-1.396797	0.000000
N	1.189343	1.425076	0.000000
C	0.012125	-0.729011	0.000000
C	2.325518	0.757952	0.000000
C	0.029192	0.703234	0.000000
C	-1.235014	-1.407397	0.000000
H	3.236056	1.357068	0.000000
H	-1.167263	2.490006	0.000000
C	-2.415297	-0.698458	0.000000
H	-1.242434	-2.495141	0.000000
H	-3.366133	-1.224392	0.000000
C	-2.399171	0.718935	0.000000
H	-3.339302	1.263974	0.000000
C	-1.205510	1.405089	0.000000

SI-84*

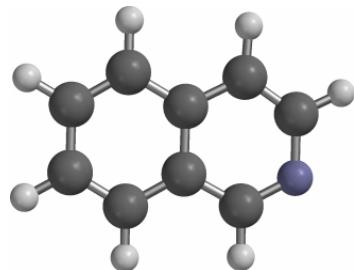
H	3.273607	-1.130427	0.000000
C	2.298311	-0.653102	0.000000
H	1.172187	-2.481141	0.000000
C	1.140894	-1.394033	0.000000
N	1.064605	1.424177	0.000000
C	-0.118224	-0.738278	0.000000
C	2.202828	0.760261	0.000000
C	-0.097861	0.712555	0.000000
C	-1.353649	-1.472098	0.000000
H	3.111151	1.362296	0.000000
H	-1.292357	2.555496	0.000000
C	-2.423259	-0.622197	0.000000
H	-1.370354	-2.558288	0.000000
C	-2.402059	0.637523	0.000000
C	-1.324895	1.472043	0.000000

SI-85***SI-83***

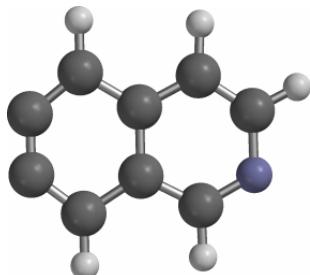
H	3.417249	-0.961824	0.000000
C	2.403627	-0.572153	0.000000
H	1.430072	-2.496043	0.000000
C	1.314497	-1.416405	0.000000
N	0.998660	1.399473	0.000000
C	0.022956	-0.850361	0.000000
C	2.188102	0.826205	0.000000
C	-0.103528	0.601221	0.000000
C	-1.248049	-1.449976	0.000000
H	3.043932	1.500474	0.000000
H	-1.400907	2.319381	0.000000
C	-2.340455	-0.860831	0.000000
C	-2.586128	0.523333	0.000000
H	-3.558922	1.003239	0.000000
C	-1.394818	1.233572	0.000000



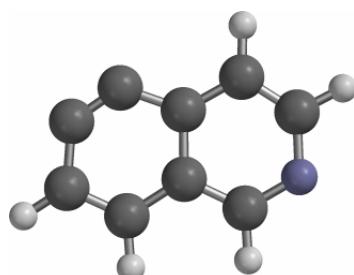
C	0.055910	-0.829680	0.000000
C	-0.112972	0.620670	0.000000
C	-1.410008	1.228747	0.000000
H	-1.463581	2.315583	0.000000
C	-2.588578	0.492763	0.000000
H	-3.569143	0.956477	0.000000
C	-2.314304	-0.883432	0.000000
C	-1.209675	-1.449707	0.000000
N	1.257633	-1.441671	0.000000
C	2.333307	-0.672745	0.000000
H	3.291819	-1.190380	0.000000
C	2.301847	0.740025	0.000000
H	3.231527	1.300861	0.000000
C	1.082229	1.381434	0.000000
H	1.026118	2.467479	0.000000

SI-86

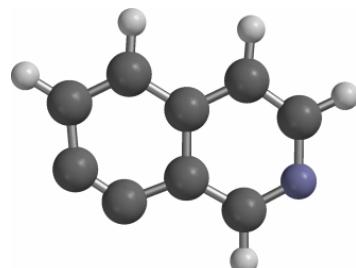
H	3.401837	-1.081834	0.000000
C	2.421846	-0.609449	0.000000
H	1.335556	-2.457244	0.000000
C	1.276440	-1.371833	0.000000
C	1.263171	1.362652	0.000000
C	0.011285	-0.729664	0.000000
N	2.430161	0.752978	0.000000
C	0.004925	0.698560	0.000000
C	-1.229482	-1.421080	0.000000
H	-1.226258	2.481035	0.000000
H	1.281951	2.453830	0.000000
C	-2.415324	-0.721022	0.000000
H	-1.228436	-2.508320	0.000000
H	-3.360750	-1.256924	0.000000
C	-2.419481	0.696898	0.000000
H	-3.366202	1.229866	0.000000
C	-1.231929	1.393511	0.000000

SI-88

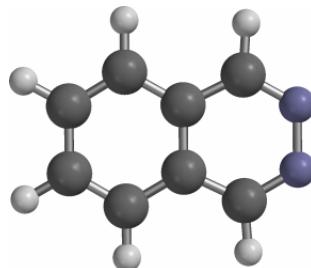
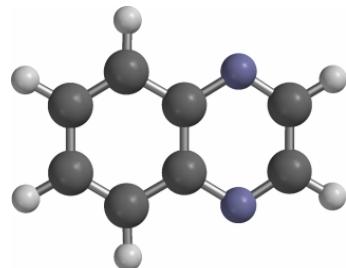
H	3.277555	-1.078799	0.000000
C	2.298317	-0.605472	0.000000
H	1.217425	-2.453808	0.000000
C	1.154243	-1.369028	0.000000
C	1.139407	1.366411	0.000000
C	-0.116526	-0.735179	0.000000
N	2.304568	0.755110	0.000000
C	-0.123853	0.706896	0.000000
C	-1.348095	-1.485332	0.000000
H	-1.355378	2.542461	0.000000
H	1.158811	2.456980	0.000000
C	-2.423556	-0.646194	0.000000
H	-1.348932	-2.570917	0.000000
C	-2.425388	0.614874	0.000000
C	-1.353123	1.456569	0.000000

SI-87

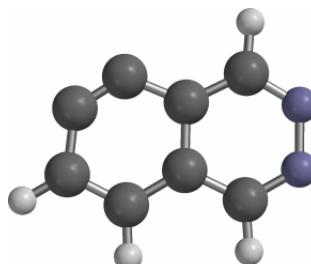
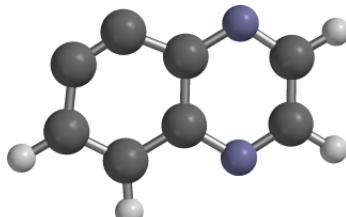
H	3.418129	-0.899305	0.000000
C	2.400143	-0.515560	0.000000
H	1.479029	-2.459477	0.000000
C	1.328803	-1.384884	0.000000
C	1.073706	1.354517	0.000000
C	0.026003	-0.847164	0.000000
N	2.287943	0.838184	0.000000
C	-0.129129	0.596922	0.000000
C	-1.238554	-1.463739	0.000000
H	-1.465314	2.303191	0.000000
H	1.011767	2.443502	0.000000
C	-2.337942	-0.887740	0.000000
C	-2.605061	0.490114	0.000000
H	-3.582128	0.960483	0.000000
C	-1.419465	1.216205	0.000000

SI-89

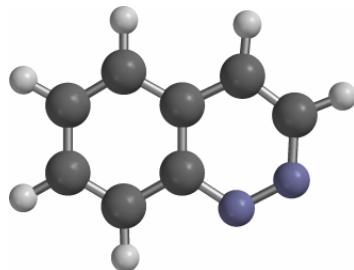
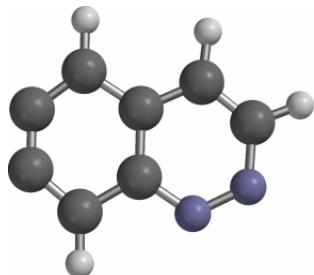
H	3.234784	-1.254043	0.000000
C	2.300314	-0.697139	0.000000
H	1.072528	-2.452058	0.000000
C	1.094174	-1.365462	0.000000
C	1.322047	1.375600	0.000000
C	-0.116936	-0.628660	0.000000
N	2.428309	0.655064	0.000000
C	0.023887	0.815896	0.000000
C	-1.410314	-1.246693	0.000000
H	1.434090	2.458868	0.000000
C	-2.594889	-0.518075	0.000000
H	-1.459113	-2.333282	0.000000
H	-3.571257	-0.990818	0.000000
C	-2.334830	0.860290	0.000000
C	-1.237819	1.439887	0.000000

SI-90**SI-92**

N	0.684733	0.000000	2.437193	H	-1.255283	0.000000	3.262032
H	2.415792	0.000000	1.368043	C	-0.710773	0.000000	2.318524
C	1.328591	0.000000	1.292434	N	-1.421038	0.000000	1.210595
C	-1.328591	0.000000	1.292434	N	1.421038	0.000000	1.210595
C	0.708706	0.000000	0.010185	C	-0.715519	0.000000	0.041912
N	-0.684733	0.000000	2.437193	C	0.710773	0.000000	2.318524
C	-0.708706	0.000000	0.010185	C	0.715519	0.000000	0.041912
C	1.411033	0.000000	-1.218437	C	-1.411356	0.000000	-1.194109
H	-2.498073	0.000000	-1.213840	H	1.255283	0.000000	3.262032
H	-2.415792	0.000000	1.368043	H	2.496704	0.000000	-1.166927
C	0.708236	0.000000	-2.405560	C	-0.709419	0.000000	-2.378726
H	2.498073	0.000000	-1.213840	H	-2.496704	0.000000	-1.166927
H	1.241026	0.000000	-3.352364	H	-1.242586	0.000000	-3.325439
C	-0.708236	0.000000	-2.405560	C	0.709419	0.000000	-2.378726
H	-1.241026	0.000000	-3.352364	H	1.242586	0.000000	-3.325439
C	-1.411033	0.000000	-1.218437	C	1.411356	0.000000	-1.194109

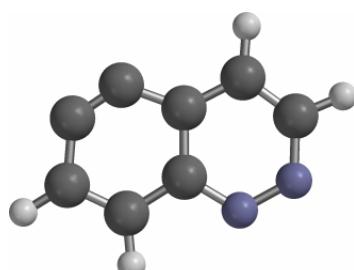
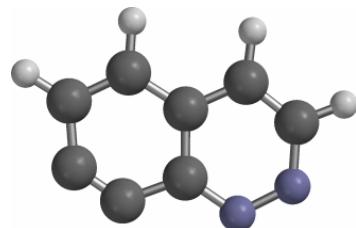
SI-91**SI-93**

N	2.428991	0.572514	0.000000	H	3.307889	-1.083631	0.000000
H	1.524818	2.403585	0.000000	C	2.320531	-0.624601	0.000000
C	1.351013	1.329811	0.000000	N	1.278136	-1.435032	0.000000
C	1.104919	-1.331009	0.000000	N	1.021570	1.395554	0.000000
C	0.029588	0.821632	0.000000	C	0.066086	-0.843944	0.000000
N	2.302373	-0.784230	0.000000	C	2.191603	0.786220	0.000000
C	-0.121971	-0.608910	0.000000	C	-0.085749	0.607475	0.000000
C	-1.221220	1.461669	0.000000	C	-1.197806	-1.462999	0.000000
H	-1.457889	-2.317812	0.000000	H	3.080149	1.415510	0.000000
H	1.094269	-2.420321	0.000000	H	-1.394995	2.318250	0.000000
C	-2.317972	0.878146	0.000000	C	-2.291653	-0.875246	0.000000
C	-2.589973	-0.495059	0.000000	C	-2.557850	0.504885	0.000000
H	-3.569039	-0.961497	0.000000	H	-3.537787	0.969700	0.000000
C	-1.406420	-1.231502	0.000000	C	-1.378059	1.232518	0.000000

SI-94**SI-96**

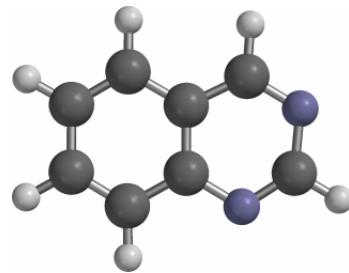
H	3.408599	-0.952523	0.000000
C	2.400512	-0.548089	0.000000
H	1.388440	-2.446626	0.000000
C	1.292219	-1.363623	0.000000
N	1.183361	1.415075	0.000000
C	0.024125	-0.748159	0.000000
N	2.342322	0.814153	0.000000
C	0.030287	0.679226	0.000000
C	-1.218420	-1.436745	0.000000
H	-1.162482	2.471520	0.000000
C	-2.396461	-0.726522	0.000000
H	-1.222203	-2.524015	0.000000
H	-3.346523	-1.253795	0.000000
C	-2.389590	0.694691	0.000000
H	-3.334133	1.231295	0.000000
C	-1.202109	1.386830	0.000000

H	3.285121	-0.943776	0.000000
C	2.277642	-0.538150	0.000000
H	1.274360	-2.438638	0.000000
C	1.170842	-1.356664	0.000000
N	1.058515	1.420212	0.000000
C	-0.104557	-0.754936	0.000000
N	2.218649	0.821097	0.000000
C	-0.096810	0.689897	0.000000
C	-1.335268	-1.502452	0.000000
H	-1.295127	2.535149	0.000000
C	-2.403834	-0.654389	0.000000
H	-1.344068	-2.588241	0.000000
C	-2.389711	0.607394	0.000000
C	-1.324087	1.451646	0.000000

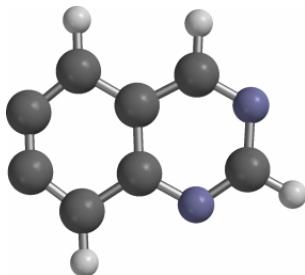
SI-95**SI-97**

H	3.416761	-0.805337	0.000000
C	2.381642	-0.476186	0.000000
H	1.514636	-2.451921	0.000000
C	1.338912	-1.380938	0.000000
N	1.022967	1.392172	0.000000
C	0.039957	-0.855469	0.000000
N	2.223219	0.873609	0.000000
C	-0.080222	0.591533	0.000000
C	-1.233589	-1.450314	0.000000
H	-1.357451	2.327811	0.000000
C	-2.318817	-0.848537	0.000000
C	-2.556167	0.539704	0.000000
H	-3.525908	1.024959	0.000000
C	-1.362401	1.242210	0.000000

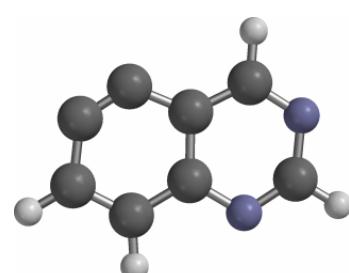
H	3.258220	-1.146578	0.000000
C	2.294345	-0.645952	0.000000
H	1.120221	-2.447307	0.000000
C	1.112918	-1.360253	0.000000
N	1.268252	1.424279	0.000000
C	-0.097158	-0.642064	0.000000
N	2.368116	0.709396	0.000000
C	0.067644	0.803406	0.000000
C	-1.393745	-1.254167	0.000000
C	-2.567033	-0.512434	0.000000
H	-1.448770	-2.340464	0.000000
H	-3.549118	-0.973019	0.000000
C	-2.292350	0.865855	0.000000
C	-1.191948	1.436991	0.000000

SI-98

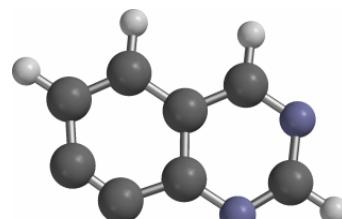
N	2.419423	0.703643	0.000000
H	1.329072	2.448766	0.000000
C	1.276642	1.358493	0.000000
N	1.232388	-1.388762	0.000000
C	0.013134	0.714328	0.000000
C	2.324563	-0.656766	0.000000
C	0.046140	-0.711585	0.000000
C	-1.230616	1.394610	0.000000
H	3.273771	-1.189211	0.000000
H	-1.134442	-2.513585	0.000000
C	-2.403720	0.674163	0.000000
H	-1.242368	2.482108	0.000000
H	-3.360644	1.188236	0.000000
C	-2.372885	-0.744430	0.000000
H	-3.310067	-1.294576	0.000000
C	-1.177286	-1.429091	0.000000

SI-100

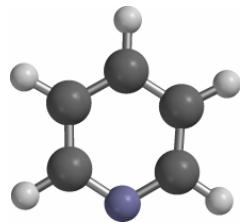
N	2.292893	0.702878	0.000000
H	1.206827	2.449212	0.000000
C	1.151719	1.359659	0.000000
N	1.108530	-1.385410	0.000000
C	-0.118077	0.723609	0.000000
C	2.202615	-0.654685	0.000000
C	-0.079925	-0.720401	0.000000
C	-1.352096	1.455721	0.000000
H	3.150651	-1.188561	0.000000
H	-1.254360	-2.580608	0.000000
C	-2.409589	0.591516	0.000000
H	-1.377981	2.541560	0.000000
C	-2.377907	-0.668944	0.000000
C	-1.295247	-1.497587	0.000000

SI-99

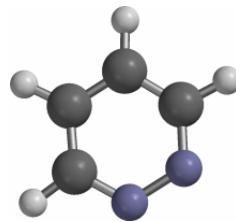
N	2.417448	0.598340	0.000000
H	1.490093	2.442506	0.000000
C	1.341055	1.363459	0.000000
N	1.047481	-1.380239	0.000000
C	0.035619	0.827823	0.000000
C	2.201692	-0.743338	0.000000
C	-0.079018	-0.616926	0.000000
C	-1.229502	1.440536	0.000000
H	3.098095	-1.360100	0.000000
H	-1.366851	-2.346654	0.000000
C	-2.312265	0.833686	0.000000
C	-2.554131	-0.549768	0.000000
H	-3.526063	-1.031408	0.000000
C	-1.362174	-1.261047	0.000000

SI-101

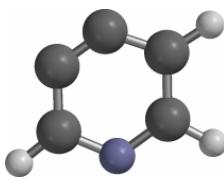
N	2.290669	0.794314	0.000000
H	1.058326	2.440526	0.000000
C	1.093079	1.350215	0.000000
N	1.299844	-1.396501	0.000000
C	-0.112958	0.606348	0.000000
C	2.323221	-0.562729	0.000000
C	0.074261	-0.834698	0.000000
C	-1.408460	1.210654	0.000000
H	3.315732	-1.008292	0.000000
C	-2.578685	0.460378	0.000000
H	-1.470895	2.296829	0.000000
H	-3.565127	0.910657	0.000000
C	-2.284570	-0.911392	0.000000
C	-1.178931	-1.477238	0.000000

SI-102

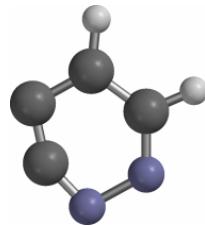
H	2.157893	0.000000	-1.180546
C	1.198748	0.000000	-0.670841
C	-1.142285	0.000000	0.724114
C	1.142285	0.000000	0.724114
C	0.000000	0.000000	-1.383231
C	-1.198748	0.000000	-0.670841
N	0.000000	0.000000	1.422944
H	2.059750	0.000000	1.311063
H	0.000000	0.000000	-2.470159
H	-2.157893	0.000000	-1.180546
H	-2.059750	0.000000	1.311063

SI-105

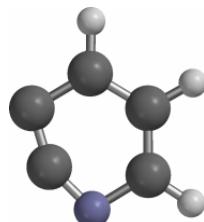
H	1.272030	0.000000	2.095067
C	0.692022	0.000000	1.176795
N	-0.668236	0.000000	-1.236408
C	1.323035	0.000000	-0.071790
C	-0.692022	0.000000	1.176795
C	-1.323035	0.000000	-0.071790
N	0.668236	0.000000	-1.236408
H	2.407245	0.000000	-0.156040
H	-1.272030	0.000000	2.095067
H	-2.407245	0.000000	-0.156040

SI-103*

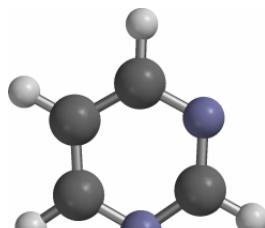
C	0.676457	-1.197022	0.000000
C	-0.662355	1.034551	-0.000000
C	1.414698	-0.020590	0.000000
C	-0.580771	-1.253776	0.000000
C	-1.426420	-0.165545	-0.000000
N	0.667732	1.100300	0.000000
H	2.494944	0.077167	0.000000
H	-2.511276	-0.152871	-0.000000
H	-1.187450	1.987886	-0.000000

SI-106*

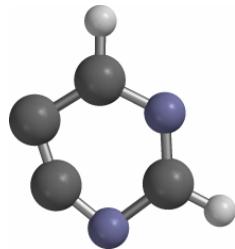
C	0.117577	-1.478973	0.000000
N	-0.299202	1.296307	0.000000
C	-0.922600	-0.732774	0.000000
C	1.229094	-0.631346	0.000000
C	0.915223	0.763998	0.000000
N	-1.418118	0.433400	0.000000
H	2.265535	-0.965902	0.000000
H	1.709610	1.506570	0.000000

SI-104*

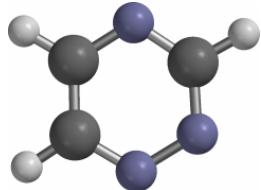
C	0.135156	-1.533551	0.000000
C	-0.345784	1.244114	0.000000
C	-0.890673	-0.774999	0.000000
C	1.233202	-0.626745	0.000000
C	0.966903	0.763711	0.000000
N	-1.419451	0.373928	0.000000
H	2.265024	-0.978229	0.000000
H	1.785211	1.477501	0.000000
H	-0.591922	2.300797	0.000000

SI-107

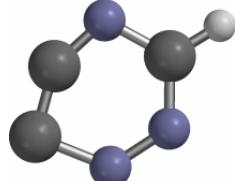
N	-1.199190	0.000000	-0.717565
C	1.184475	0.000000	0.621298
C	0.000000	0.000000	-1.310466
C	-1.184475	0.000000	0.621298
C	0.000000	0.000000	1.355217
N	1.199190	0.000000	-0.717565
H	0.000000	0.000000	-2.398906
H	-2.154491	0.000000	1.116389
H	0.000000	0.000000	2.440526
H	2.154491	0.000000	1.116389

SI-108*

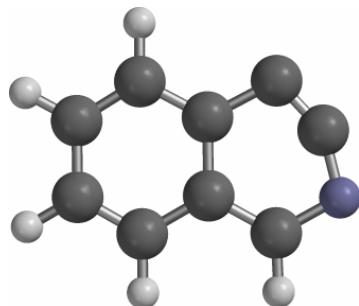
N	1.435253	-0.140692	0.000000
C	-1.284055	0.349476	0.000000
C	0.471585	-1.148780	0.000000
C	0.760700	0.927724	0.000000
C	-0.399142	1.467007	0.000000
N	-0.827504	-0.924569	0.000000
H	0.849694	-2.164927	0.000000
H	-2.365797	0.467080	0.000000

SI-109

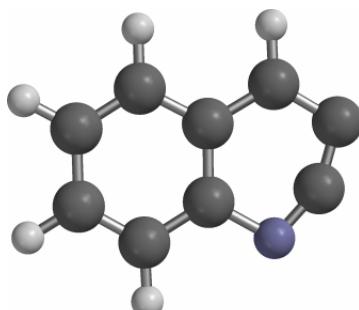
N	0.309867	-1.351235	0.000000
N	-0.972326	-0.974817	0.000000
C	-1.242058	0.333445	0.000000
H	-2.297332	0.594740	0.000000
N	-0.359476	1.344298	0.000000
C	0.912431	0.958465	0.000000
H	1.676803	1.733967	0.000000
C	1.245564	-0.400409	0.000000
H	2.276995	-0.743015	0.000000

SI-110*

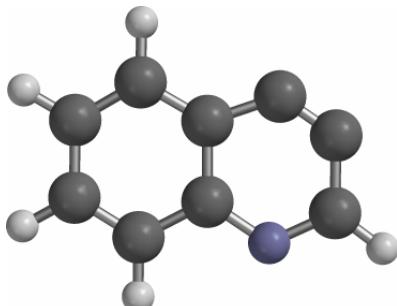
N	-0.445087	-1.139143	0.000000
N	-1.308825	-0.183672	0.000000
C	-0.986513	1.268868	0.000000
C	0.335869	1.132744	0.000000
C	0.866903	-0.934152	0.000000
H	1.571995	-1.755687	0.000000
N	1.314896	0.362946	0.000000

SI-111*

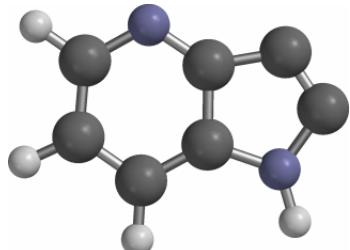
C	2.219409	0.648498	0.000000
C	1.327756	1.540945	0.000000
C	1.406472	-1.279447	0.000000
C	0.068078	0.825752	0.000000
N	2.568554	-0.588586	0.000000
C	0.136103	-0.628110	0.000000
C	-1.205972	1.446606	0.000000
H	-1.024487	-2.461973	0.000000
H	1.484683	-2.363538	0.000000
C	-2.353972	0.682779	0.000000
H	-1.249468	2.530929	0.000000
H	-3.325587	1.169880	0.000000
C	-2.289680	-0.732553	0.000000
H	-3.209651	-1.310242	0.000000
C	-1.072901	-1.375653	0.000000

SI-112*

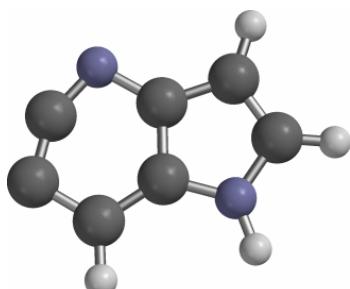
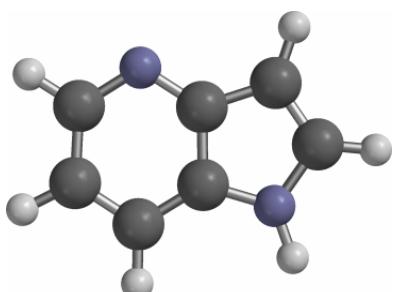
C	2.590094	0.696050	0.000000
H	1.357111	2.504052	0.000000
C	1.385378	1.412744	0.000000
N	1.355722	-1.439809	0.000000
C	0.131146	0.699234	0.000000
C	2.219051	-0.537614	0.000000
C	0.125626	-0.741212	0.000000
C	-1.123746	1.360860	0.000000
H	-1.046941	-2.543485	0.000000
C	-2.302089	0.644159	0.000000
H	-1.140714	2.447959	0.000000
H	-3.254470	1.166586	0.000000
C	-2.282441	-0.769222	0.000000
H	-3.219672	-1.318718	0.000000
C	-1.085864	-1.459104	0.000000

SI-113*

C	2.368529	0.844729	0.000000
C	1.272111	1.439458	0.000000
N	1.369827	-1.237788	0.000000
C	0.002986	0.850930	0.000000
C	2.506137	-0.561910	0.000000
C	0.163534	-0.610496	0.000000
C	-1.287564	1.420407	0.000000
H	3.442036	-1.111603	0.000000
H	-0.908012	-2.475342	0.000000
C	-2.400429	0.604602	0.000000
H	-1.385406	2.501318	0.000000
H	-3.393269	1.045552	0.000000
C	-2.263332	-0.802357	0.000000
H	-3.154208	-1.424233	0.000000
C	-1.018731	-1.396068	0.000000

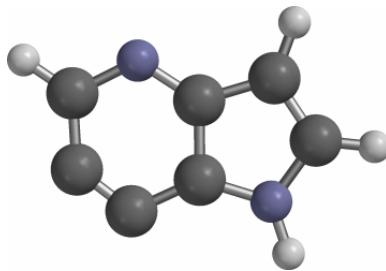
SI-115*

C	0.334735	-0.637410	0.000000
C	-1.994956	0.769108	0.000000
C	0.271660	0.817973	0.000000
	-0.844965	-1.366450	0.000000
C	-2.034777	-0.633197	0.000000
N	-0.867403	1.488266	0.000000
H	-0.849428	-2.453892	0.000000
H	-2.992862	-1.143499	0.000000
H	-2.922370	1.337676	0.000000
N	1.691303	-1.019594	0.000000
H	2.032637	-1.970029	0.000000
C	2.426746	0.137697	0.000000
C	1.670483	1.139575	0.000000

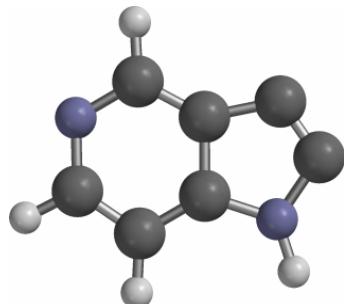
SI-116***SI-114**

C	0.230276	-0.696663	0.000000
C	-2.054906	0.754076	0.000000
C	0.213823	0.730457	0.000000
C	-0.965082	-1.413316	0.000000
C	-2.130521	-0.653822	0.000000
N	-0.921272	1.453814	0.000000
H	-0.991476	-2.500268	0.000000
H	-3.102720	-1.137368	0.000000
H	-2.974998	1.336866	0.000000
C	1.580445	1.168476	0.000000
H	1.927976	2.191541	0.000000
C	2.355903	0.039413	0.000000
H	3.432095	-0.065055	0.000000
N	1.550578	-1.087682	0.000000
H	1.883932	-2.039099	0.000000

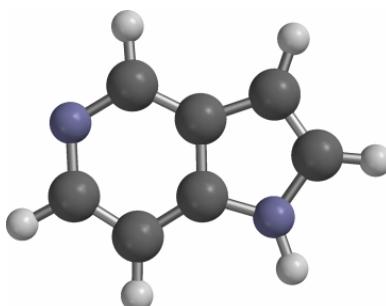
N	1.095429	-1.475247	0.000000
C	-0.105352	-0.780094	0.000000
C	-0.111323	0.659624	0.000000
H	1.047538	2.514768	0.000000
C	1.079406	1.424314	0.000000
C	2.283914	0.686258	0.000000
C	1.957563	-0.550586	0.000000
N	-1.440287	1.028483	0.000000
H	-1.781095	1.977379	0.000000
C	-2.236263	-0.097876	0.000000
H	-3.313584	-0.004158	0.000000
C	-1.455742	-1.230076	0.000000
H	-1.801501	-2.253219	0.000000

SI-117*

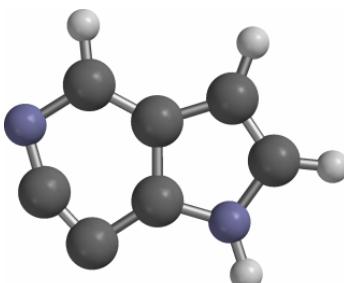
N	1.108932	-1.263614	0.000000
C	-0.081719	-0.649267	0.000000
C	-0.235139	0.795272	0.000000
C	0.958404	1.492901	0.000000
C	2.028711	0.828673	0.000000
H	3.193633	-1.069493	0.000000
C	2.242311	-0.550828	0.000000
N	-1.579309	1.066272	0.000000
H	-1.989117	1.987282	0.000000
C	-2.279855	-0.128648	0.000000
H	-3.360710	-0.121433	0.000000
C	-1.411282	-1.189111	0.000000
H	-1.678195	-2.235929	0.000000

SI-119*

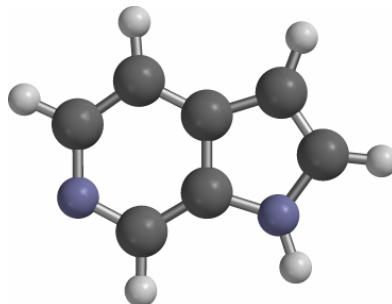
C	0.307605	-0.811172	0.000000
C	-2.021863	0.601077	0.000000
C	-0.939620	-1.437209	0.000000
C	0.342758	0.636521	0.000000
C	-0.848836	1.355799	0.000000
N	-2.080493	-0.745097	0.000000
H	-1.020428	-2.522678	0.000000
H	-0.879578	2.441952	0.000000
H	-2.983037	1.111210	0.000000
N	1.689597	1.037565	0.000000
H	2.019648	1.991226	0.000000
C	2.444439	-0.113987	0.000000
C	1.706425	-1.121603	0.000000

SI-118

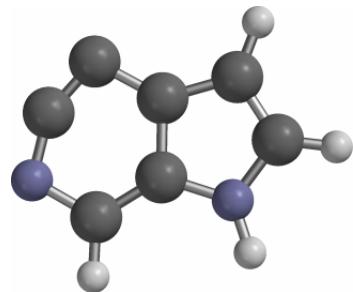
C	0.237122	-0.739323	0.000000
C	-2.126241	0.631638	0.000000
C	-1.010976	-1.382750	0.000000
C	0.237607	0.681812	0.000000
C	-0.964924	1.394690	0.000000
N	-2.164926	-0.719978	0.000000
H	-1.075091	-2.470782	0.000000
H	-1.003803	2.480355	0.000000
H	-3.095074	1.127398	0.000000
C	1.610533	-1.163031	0.000000
H	1.980328	-2.179039	0.000000
C	2.374305	-0.028196	0.000000
H	3.448993	0.089807	0.000000
N	1.550398	1.088577	0.000000
H	1.868315	2.045407	0.000000

SI-120*

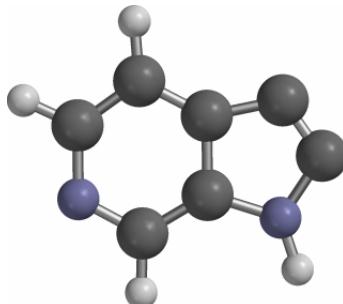
N	2.292795	0.527054	0.000000
H	1.309106	2.376001	0.000000
C	1.159935	1.301315	0.000000
C	-0.103849	0.687956	0.000000
C	-0.168611	-0.761129	0.000000
C	0.990732	-1.579676	0.000000
C	1.897331	-0.679947	0.000000
N	-1.499383	-1.094062	0.000000
H	-1.846775	-2.041348	0.000000
C	-2.269545	0.058273	0.000000
H	-3.348754	-0.008510	0.000000
C	-1.460438	1.161770	0.000000
H	-1.794613	2.190058	0.000000

SI-121

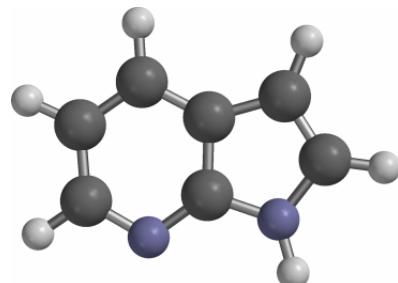
C	0.239074	-0.660636	0.000000
C	-2.151077	0.590284	0.000000
C	-0.958599	-1.381362	0.000000
C	0.233750	0.760409	0.000000
C	-1.019978	1.394896	0.000000
N	-2.136319	-0.762910	0.000000
H	-0.969844	-2.471685	0.000000
H	-1.110560	2.477540	0.000000
H	-3.140356	1.043559	0.000000
C	1.603630	1.184029	0.000000
H	1.974029	2.199795	0.000000
C	2.371201	0.046624	0.000000
H	3.447066	-0.063353	0.000000
N	1.558234	-1.068121	0.000000
H	1.879042	-2.023816	0.000000

SI-123*

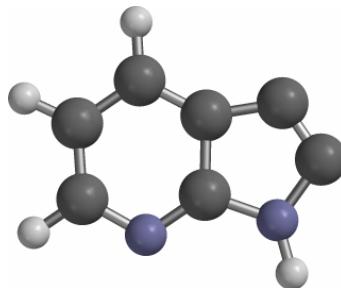
C	-1.038406	-1.566237	0.000000
C	-1.109882	1.296712	0.000000
C	0.192756	-0.836651	0.000000
C	-1.922542	-0.654279	0.000000
N	-2.272224	0.574340	0.000000
C	0.113448	0.612593	0.000000
C	1.583013	-1.170680	0.000000
H	2.008465	-2.163826	0.000000
C	2.280653	0.012360	0.000000
H	3.348595	0.184304	0.000000
N	1.410176	1.082257	0.000000
H	1.687213	2.051610	0.000000
H	-1.202753	2.378347	0.000000

SI-124**SI-122***

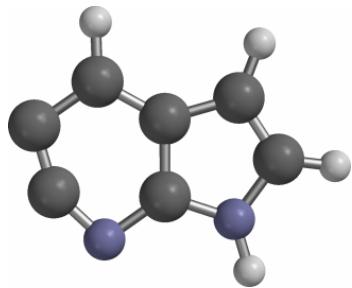
C	0.353290	-0.616104	0.000000
C	-2.059942	0.611563	0.000000
C	-0.831773	-1.345538	0.000000
C	0.308370	0.832495	0.000000
C	-0.945058	1.446416	0.000000
N	-2.020290	-0.735924	0.000000
H	-0.833203	-2.435972	0.000000
H	-1.053480	2.526318	0.000000
H	-3.056917	1.047224	0.000000
N	1.710503	-1.011424	0.000000
H	2.048455	-1.962186	0.000000
C	2.448622	0.142584	0.000000
C	1.700598	1.146030	0.000000



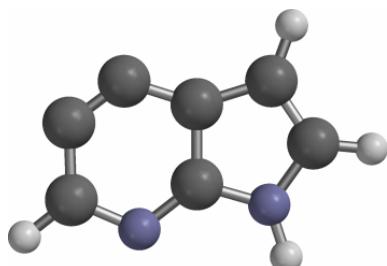
C	0.230554	-0.778267	0.000000
C	-2.026743	0.788279	0.000000
C	0.210803	0.647319	0.000000
C	-1.016858	-1.416536	0.000000
C	-2.153682	-0.613794	0.000000
N	-0.859326	1.440051	0.000000
H	-1.096418	-2.500813	0.000000
H	-3.144799	-1.057330	0.000000
H	-2.918579	1.412297	0.000000
C	1.609221	-1.175558	0.000000
H	2.000646	-2.183693	0.000000
C	2.354638	-0.024150	0.000000
H	3.427922	0.105746	0.000000
N	1.518354	1.076530	0.000000

SI-125*

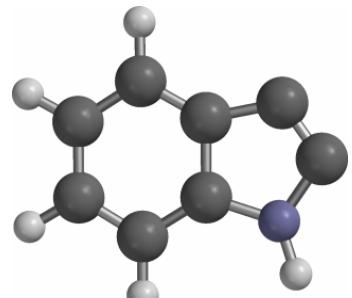
C	0.312378	-0.862952	0.000000
C	-1.920405	0.750632	0.000000
C	0.328864	0.599645	0.000000
C	-0.938451	-1.472290	0.000000
C	-2.064735	-0.643167	0.000000
N	-0.729000	1.369626	0.000000
H	-1.038237	-2.553506	0.000000
H	-3.060738	-1.074774	0.000000
H	-2.795597	1.395573	0.000000
N	1.674593	1.022945	0.000000
H	1.967430	1.989524	0.000000
C	2.444261	-0.115915	0.000000
C	1.707645	-1.133365	0.000000

SI-127*

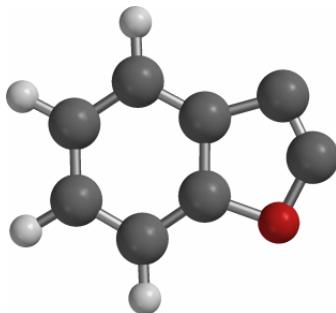
H	-1.169342	-2.513799	0.000000
C	-1.136286	-1.424670	0.000000
N	-1.017741	1.479876	0.000000
C	0.106311	-0.738579	0.000000
C	-2.296932	-0.617256	0.000000
C	-1.947303	0.603517	0.000000
C	0.106942	0.699308	0.000000
C	1.492099	-1.124699	0.000000
H	1.883025	-2.132787	0.000000
C	2.240546	0.021295	0.000000
H	3.313407	0.153575	0.000000
N	1.402852	1.129968	0.000000
H	1.687295	2.097619	0.000000

SI-126*

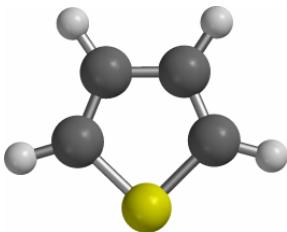
C	-1.019176	-1.452085	0.000000
N	-1.050878	1.256190	0.000000
C	0.244872	-0.887963	0.000000
C	-2.097846	-0.811925	0.000000
C	-2.214404	0.583929	0.000000
C	0.082766	0.560812	0.000000
H	-3.134990	1.156764	0.000000
C	1.644940	-1.156716	0.000000
H	2.125966	-2.124038	0.000000
C	2.280057	0.062048	0.000000
H	3.337531	0.285476	0.000000
N	1.354262	1.085585	0.000000
H	1.558631	2.073267	0.000000

SI-128*

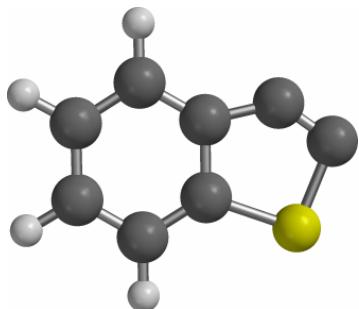
H	-0.955078	-2.566511	0.000000
C	-0.909617	-1.481663	0.000000
C	-0.815439	1.378124	0.000000
C	0.322385	-0.824155	0.000000
C	-2.073912	-0.716482	0.000000
C	-2.028162	0.688590	0.000000
C	0.357380	0.627621	0.000000
H	-3.038443	-1.216179	0.000000
H	-2.956693	1.252455	0.000000
H	-0.789165	2.465238	0.000000
C	1.722783	-1.122336	0.000000
C	2.467265	-0.117525	0.000000
N	1.711292	1.029816	0.000000
H	2.039132	1.983915	0.000000

SI-129*

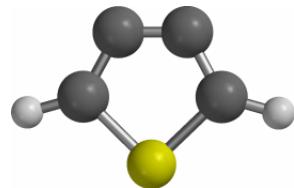
H	-0.724179	-2.503237	0.000000
C	-0.779898	-1.419684	0.000000
C	-0.891210	1.451392	0.000000
C	0.350708	-0.631449	0.000000
C	-2.000793	-0.731184	0.000000
C	-2.051223	0.670032	0.000000
C	0.342923	0.802267	0.000000
H	-2.925831	-1.300189	0.000000
H	-3.019246	1.163074	0.000000
H	-0.945538	2.535235	0.000000
C	1.761283	1.204392	0.000000
C	2.308303	0.091222	0.000000
O	1.704096	-1.098421	0.000000

SI-131

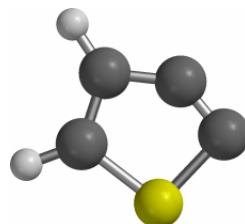
C	0.714739	0.000000	1.267680
H	1.319482	0.000000	2.168299
C	1.243534	0.000000	0.006768
H	2.284636	0.000000	-0.286596
C	-0.714739	0.000000	1.267680
H	-1.319482	0.000000	2.168299
C	-1.243534	0.000000	0.006768
H	-2.284636	0.000000	-0.286596
S	0.000000	0.000000	-1.204293

SI-130*

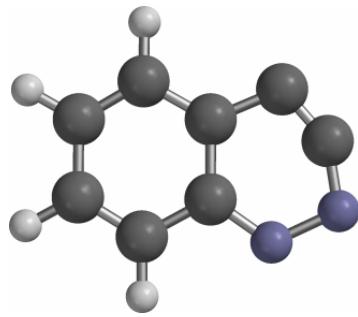
H	-0.781308	-2.472060	0.000000
C	-0.946336	-1.397504	0.000000
C	-1.392755	1.415172	0.000000
C	0.127610	-0.513042	0.000000
C	-2.238145	-0.870921	0.000000
C	-2.455617	0.516903	0.000000
C	-0.091589	0.902841	0.000000
H	-3.089165	-1.545876	0.000000
H	-3.472987	0.897167	0.000000
H	-1.563706	2.486914	0.000000
C	1.235789	1.399299	0.000000
C	2.349911	0.833143	0.000000
S	1.907628	-0.862472	0.000000

SI-132*

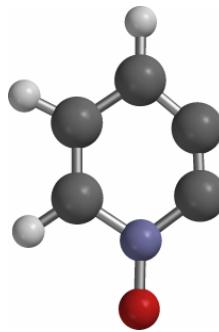
C	0.637374	0.000000	1.363027
C	1.278310	0.000000	0.167900
H	2.319786	0.000000	-0.124165
C	-0.637374	0.000000	1.363027
C	-1.278310	0.000000	0.167900
H	-2.319786	0.000000	-0.124165
S	0.000000	0.000000	-1.069113

SI-133*

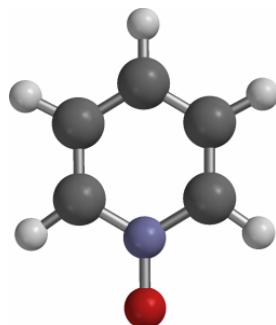
C	1.000778	0.834889	0.000000
C	-0.104263	1.438999	0.000000
C	1.410095	-0.512513	0.000000
H	2.404679	-0.933919	0.000000
C	0.204330	-1.171916	0.000000
H	0.021088	-2.241119	0.000000
S	-1.125938	0.017570	0.000000

SI-134

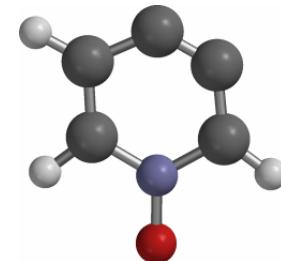
C	2.233494	0.594894	0.000000
C	1.338159	1.485057	0.000000
N	1.325421	-1.322381	0.000000
C	0.067390	0.840391	0.000000
N	2.517138	-0.669201	0.000000
C	0.160747	-0.618827	0.000000
C	-1.210548	1.453755	0.000000
H	-0.962415	-2.465514	0.000000
C	-2.343633	0.672738	0.000000
H	-1.267741	2.537312	0.000000
H	-3.322985	1.143312	0.000000
C	-2.259078	-0.746249	0.000000
H	-3.174344	-1.331248	0.000000
C	-1.043028	-1.383753	0.000000

SI-136

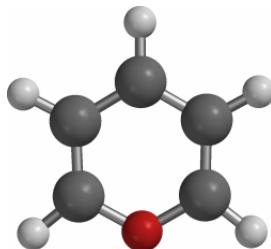
C	-0.911132	-1.257399	0.000000
C	0.174736	1.076263	0.000000
C	0.334200	-1.189921	0.000000
C	-1.888359	-0.285181	0.000000
C	-1.210852	0.957630	0.000000
H	-2.964558	-0.394400	0.000000
H	-1.786513	1.880521	0.000000
H	0.697482	2.023682	0.000000
N	1.048993	-0.021130	0.000000
O	2.294319	0.125613	0.000000

SI-137**SI-135**

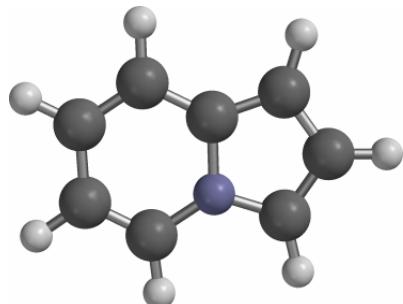
C	-0.280947	-1.172238	0.000000
H	-0.918779	-2.045875	0.000000
C	1.101829	-1.197442	0.000000
H	1.597909	-2.163153	0.000000
C	1.833941	-0.008525	0.000000
H	2.918331	-0.017146	0.000000
C	1.120860	1.191907	0.000000
H	1.632488	2.149465	0.000000
C	-0.262173	1.188768	0.000000
H	-0.885962	2.072490	0.000000
N	-0.975369	0.013894	0.000000
O	-2.249704	0.024046	0.000000



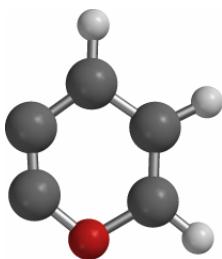
C	-1.050925	-1.271657	0.000000
C	0.032534	1.138350	0.000000
C	0.317248	-1.270615	0.000000
C	-1.775688	-0.251787	0.000000
C	-1.357905	1.068814	0.000000
H	1.048606	-2.066394	0.000000
H	-1.974435	1.960777	0.000000
H	0.589658	2.065333	0.000000
N	0.861999	0.019677	0.000000
O	2.126003	0.161617	0.000000

SI-138

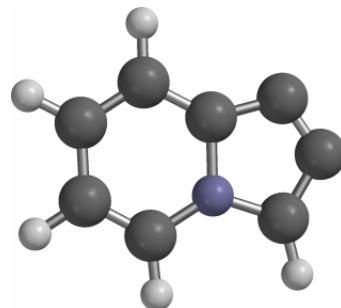
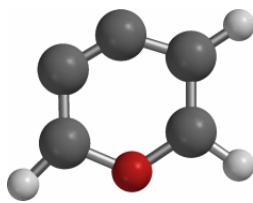
H	0.000000	0.000000	2.498849
C	0.000000	0.000000	1.412619
C	1.211328	0.000000	0.707751
C	-1.211328	0.000000	0.707751
C	-1.164638	0.000000	-0.667049
C	1.164638	0.000000	-0.667049
H	2.171940	0.000000	1.210711
H	-2.171940	0.000000	1.210711
H	-2.011743	0.000000	-1.343003
H	2.011743	0.000000	-1.343003
O	0.000000	0.000000	-1.314931

SI-141

C	0.985853	-1.410868	0.000000
H	1.002258	-2.496667	0.000000
C	2.147258	-0.681094	0.000000
H	3.111246	-1.179893	0.000000
C	2.089245	0.745491	0.000000
H	2.998524	1.336832	0.000000
C	0.885130	1.384807	0.000000
H	0.771230	2.462965	0.000000
N	-0.284342	0.656645	0.000000
C	-0.273123	-0.760583	0.000000
C	-1.602787	-1.179063	0.000000
H	-1.934435	-2.208247	0.000000
C	-2.410275	-0.022979	0.000000
H	-3.492191	0.005952	0.000000
C	-1.588084	1.092018	0.000000
H	-1.818780	2.147461	0.000000

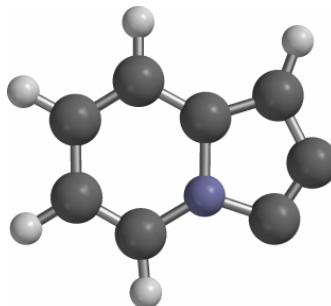
SI-139

C	0.454895	-1.225561	0.000000
C	-0.785266	-1.155000	0.000000
H	-2.550219	0.192683	0.000000
C	-1.474050	0.044524	0.000000
H	-0.913948	2.157912	0.000000
C	-0.545853	1.134908	0.000000
H	1.585512	1.710206	0.000000
C	0.818547	0.944676	0.000000
O	1.377587	-0.317977	0.000000

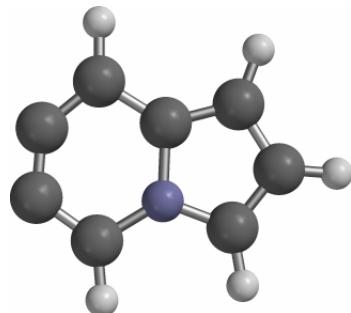
SI-142***SI-140**

C	-0.937371	-0.973150	0.000000
C	-1.443687	0.302463	0.000000
C	0.234856	-1.423301	0.000000
C	1.282754	-0.558963	0.000000
C	-0.344502	1.171646	0.000000
H	-2.470079	0.651281	0.000000
H	2.358036	-0.691729	0.000000
H	-0.414822	2.255154	0.000000
O	0.917601	0.752772	0.000000

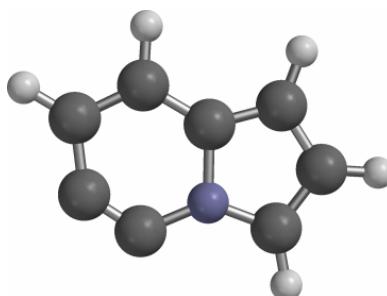
N	-0.362636	-0.642801	0.000000
C	-1.683130	-1.103781	0.000000
H	-1.914526	-2.157179	0.000000
C	-2.427388	0.063740	0.000000
C	-1.733090	1.121371	0.000000
C	-0.375337	0.803022	0.000000
C	0.865621	1.471486	0.000000
H	0.862039	2.556695	0.000000
C	2.040592	0.755744	0.000000
H	2.995118	1.272019	0.000000
C	2.009946	-0.667397	0.000000
H	2.932884	-1.237467	0.000000
C	0.821487	-1.342826	0.000000
H	0.739942	-2.424111	0.000000

SI-143*

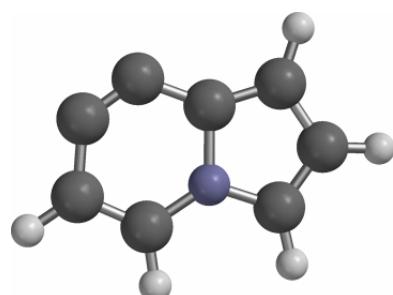
N	-0.360769	-0.733120	0.000000
C	-1.662703	-1.173881	0.000000
C	-2.381975	-0.140655	0.000000
C	-1.752135	1.114722	0.000000
H	-2.133908	2.123515	0.000000
C	-0.392903	0.712875	0.000000
C	0.845674	1.398380	0.000000
H	0.841256	2.484384	0.000000
C	2.021405	0.689426	0.000000
H	2.971623	1.214385	0.000000
C	2.010094	-0.738760	0.000000
H	2.940124	-1.296622	0.000000
C	0.830500	-1.423327	0.000000
H	0.746478	-2.503086	0.000000

SI-145

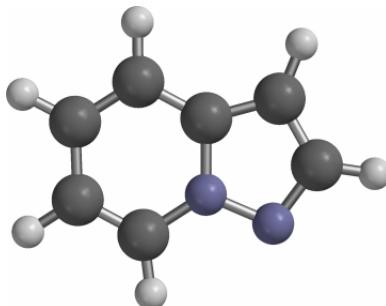
C	1.052936	-1.424746	0.000000
H	0.935602	-2.502423	0.000000
C	2.176328	-0.667379	0.000000
C	2.108449	0.598520	0.000000
C	1.091997	1.486800	0.000000
H	1.119618	2.569923	0.000000
C	-0.153563	0.762776	0.000000
N	-0.131351	-0.671248	0.000000
C	-1.492151	1.148650	0.000000
H	-1.844650	2.170732	0.000000
C	-2.274436	-0.024387	0.000000
H	-3.355872	-0.074834	0.000000
C	-1.429028	-1.122196	0.000000
H	-1.642203	-2.181203	0.000000

SI-144

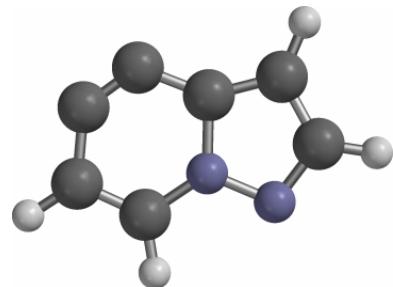
C	1.975691	-0.932453	0.000000
C	-0.131848	0.667063	0.000000
C	0.855118	-1.456005	0.000000
N	-0.311203	-0.767719	0.000000
C	-1.417847	1.205674	0.000000
H	-1.652384	2.261424	0.000000
C	-2.340495	0.138699	0.000000
H	-3.418844	0.227953	0.000000
C	-1.646621	-1.062995	0.000000
H	-1.988984	-2.086676	0.000000
C	2.342787	0.429443	0.000000
H	3.342333	0.844607	0.000000
C	1.189693	1.204036	0.000000
H	1.282330	2.287218	0.000000

SI-146

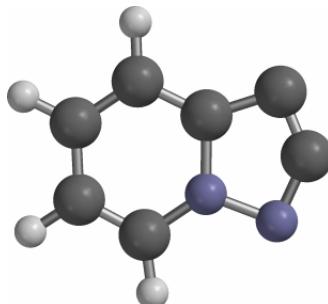
C	2.293305	0.475883	0.000000
H	3.258616	0.965470	0.000000
C	2.019226	-0.904714	0.000000
C	0.935122	-1.503578	0.000000
C	-0.314180	-0.867349	0.000000
C	1.111611	1.186789	0.000000
H	1.090726	2.271151	0.000000
N	-0.127107	0.575632	0.000000
C	-1.676278	-1.102138	0.000000
H	-2.140749	-2.077683	0.000000
C	-2.326428	0.156399	0.000000
H	-3.396127	0.319972	0.000000
C	-1.376427	1.158451	0.000000
H	-1.486269	2.233229	0.000000

SI-147

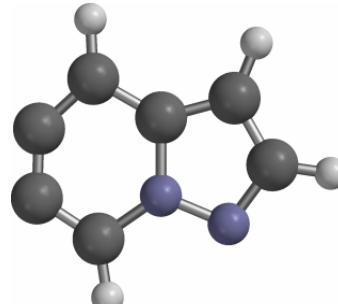
C	0.955270	-1.439384	0.000000
H	0.964631	-2.524650	0.000000
C	0.881046	1.364490	0.000000
H	0.747977	2.438904	0.000000
C	-0.292218	-0.765912	0.000000
C	-1.644662	-1.115156	0.000000
H	-2.057072	-2.113273	0.000000
C	-2.328768	0.107273	0.000000
H	-3.399015	0.271347	0.000000
N	-0.275309	0.634145	0.000000
N	-1.515576	1.174320	0.000000
C	2.081704	0.711765	0.000000
H	2.998026	1.291301	0.000000
C	2.120550	-0.712575	0.000000
H	3.079990	-1.220602	0.000000

SI-149

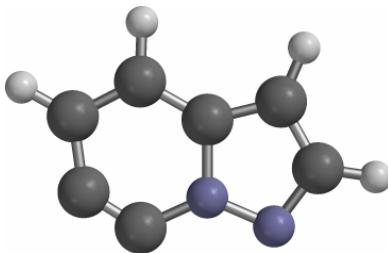
C	2.275585	0.475868	0.000000
H	3.239677	0.967358	0.000000
C	2.005155	-0.903983	0.000000
C	0.929434	-1.519544	0.000000
C	-0.316264	-0.876635	0.000000
C	1.087939	1.179469	0.000000
H	1.027863	2.260720	0.000000
N	-0.132066	0.544089	0.000000
N	-1.316505	1.199983	0.000000
C	-1.689103	-1.069572	0.000000
H	-2.210862	-2.014291	0.000000
C	-2.233930	0.226800	0.000000
H	-3.280910	0.502594	0.000000

SI-150**SI-148***

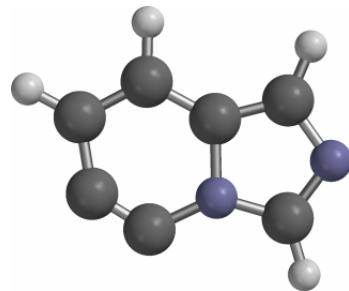
N	-0.367279	-0.644900	0.000000
N	-1.657701	-1.163738	0.000000
C	-2.225445	0.019824	0.000000
C	-1.765628	1.205971	0.000000
C	-0.405132	0.800988	0.000000
C	0.778545	-1.380589	0.000000
H	0.655044	-2.456258	0.000000
C	1.976566	-0.713141	0.000000
H	2.895760	-1.288301	0.000000
C	2.011241	0.706205	0.000000
H	2.971809	1.212306	0.000000
C	0.849465	1.448559	0.000000
H	0.866135	2.532780	0.000000



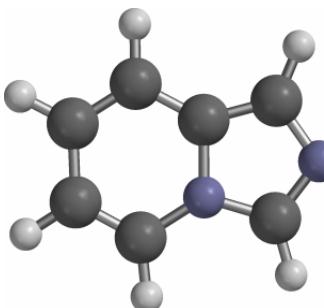
H	-1.157990	-2.568816	0.000000
C	-1.099548	-1.487303	0.000000
C	-2.094437	-0.569447	0.000000
C	-2.128015	0.695302	0.000000
C	0.154797	-0.782953	0.000000
H	1.902468	-2.147346	0.000000
C	1.503354	-1.143932	0.000000
C	-0.986664	1.430641	0.000000
H	-0.816807	2.499762	0.000000
N	0.157881	0.636670	0.000000
N	1.406336	1.146356	0.000000
H	3.277695	0.215117	0.000000
C	2.204704	0.068149	0.000000

SI-151

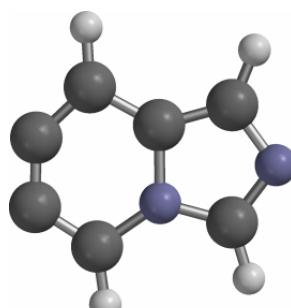
C	1.934720	-0.938155	0.000000
C	2.314615	0.414566	0.000000
H	3.320214	0.815954	0.000000
C	1.175967	1.213007	0.000000
H	1.284665	2.294112	0.000000
C	-0.147201	0.681005	0.000000
C	0.807867	-1.452730	0.000000
N	-0.333607	-0.737198	0.000000
N	-1.623579	-1.103545	0.000000
C	-1.447399	1.188949	0.000000
H	-1.737709	2.229426	0.000000
C	-2.285928	0.065376	0.000000
H	-3.368099	0.047320	0.000000

SI-153

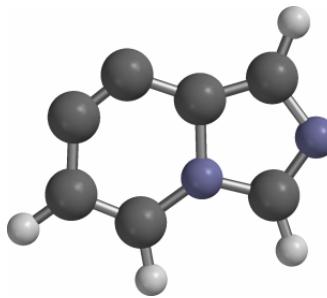
C	1.944611	0.942233	0.000000
C	0.827925	1.472035	0.000000
C	-0.138051	-0.672631	0.000000
C	-1.436359	-1.166020	0.000000
H	-1.746479	-2.202665	0.000000
N	-2.350837	-0.155463	0.000000
C	-1.673980	0.981945	0.000000
H	-2.093674	1.977671	0.000000
N	-0.329393	0.756956	0.000000
C	2.328441	-0.417530	0.000000
H	3.333391	-0.818837	0.000000
C	1.187801	-1.205048	0.000000
H	1.291218	-2.286973	0.000000

SI-152

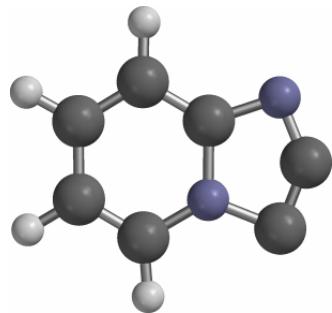
N	0.281407	-0.661682	0.000000
C	-0.896857	-1.382125	0.000000
H	-0.797350	-2.461452	0.000000
C	-2.085499	-0.719742	0.000000
H	-3.006823	-1.292105	0.000000
C	-2.120971	0.712492	0.000000
H	-3.079138	1.222143	0.000000
C	-0.953930	1.429067	0.000000
H	-0.956213	2.514605	0.000000
C	0.293047	0.751933	0.000000
C	1.641704	1.088772	0.000000
H	2.072389	2.081001	0.000000
N	2.418821	-0.030433	0.000000
C	1.592483	-1.061899	0.000000
H	1.875013	-2.105766	0.000000

SI-154

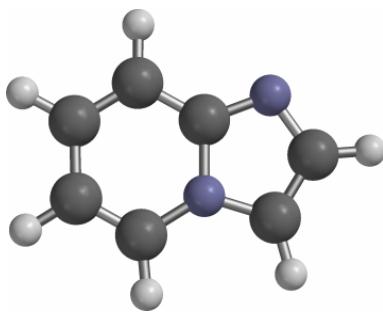
C	2.093747	0.590816	0.000000
C	1.088443	1.488209	0.000000
H	1.123106	2.570950	0.000000
C	2.155528	-0.677672	0.000000
C	1.035868	-1.435382	0.000000
H	0.913654	-2.512127	0.000000
N	-0.144879	-0.666672	0.000000
C	-0.159761	0.763085	0.000000
C	-1.509063	1.094349	0.000000
H	-1.938430	2.087085	0.000000
N	-2.285795	-0.024155	0.000000
C	-1.457653	-1.055790	0.000000
H	-1.744624	-2.098361	0.000000

SI-155

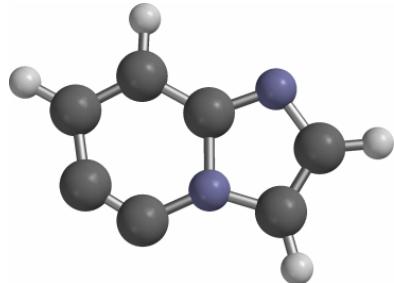
C	2.281077	0.472816	0.000000
H	3.250501	0.954086	0.000000
C	1.108408	1.192372	0.000000
H	1.090572	2.276538	0.000000
C	2.000547	-0.909577	0.000000
C	0.920951	-1.514269	0.000000
C	-0.323521	-0.862460	0.000000
C	-1.692028	-1.030864	0.000000
H	-2.239805	-1.962602	0.000000
N	-2.330125	0.179391	0.000000
C	-1.396873	1.109504	0.000000
H	-1.570575	2.177254	0.000000
N	-0.131950	0.575992	0.000000

SI-157*

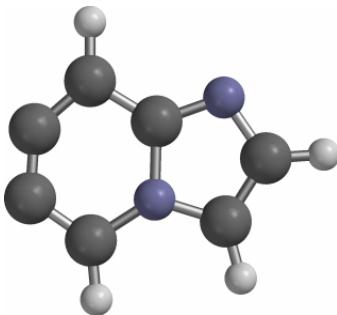
N	-0.387277	-0.718795	0.000000
C	-1.713263	-1.249666	0.000000
C	-2.192037	-0.045979	0.000000
N	-1.711198	1.148708	0.000000
C	-0.406472	0.723768	0.000000
C	0.802570	-1.400705	0.000000
H	0.720900	-2.479883	0.000000
C	1.979120	-0.698476	0.000000
H	2.913910	-1.248406	0.000000
C	1.982898	0.721730	0.000000
H	2.930281	1.251498	0.000000
C	0.802716	1.435800	0.000000
H	0.774939	2.519556	0.000000

SI-156

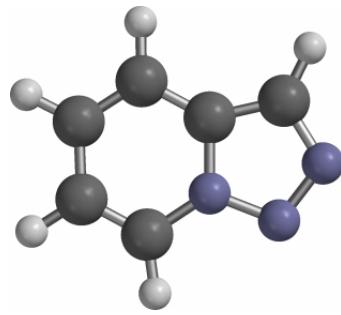
N	0.301270	-0.670655	0.000000
C	-0.859527	-1.405762	0.000000
H	-0.748805	-2.483977	0.000000
C	-2.062688	-0.758186	0.000000
H	-2.974841	-1.344854	0.000000
C	-2.115384	0.665395	0.000000
H	-3.079570	1.163992	0.000000
C	-0.955621	1.401522	0.000000
H	-0.954598	2.485917	0.000000
C	0.294799	0.740774	0.000000
C	1.626549	-1.051249	0.000000
H	1.924399	-2.088805	0.000000
N	1.534692	1.225608	0.000000
C	2.343221	0.128580	0.000000
H	3.421413	0.229373	0.000000

SI-158

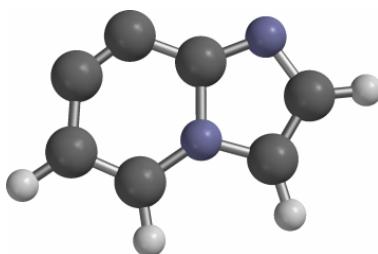
C	1.956281	0.945218	0.000000
C	0.833957	1.469360	0.000000
C	-0.153631	-0.652219	0.000000
C	-1.676252	1.018977	0.000000
H	-2.079497	2.019369	0.000000
N	-0.324416	0.776473	0.000000
N	-1.342834	-1.240959	0.000000
C	-2.261706	-0.233081	0.000000
H	-3.322210	-0.449552	0.000000
C	2.313169	-0.418311	0.000000
H	3.314028	-0.831601	0.000000
C	1.165603	-1.198824	0.000000
H	1.240345	-2.281542	0.000000

SI-159

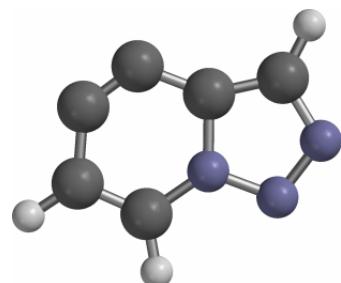
C	2.078096	0.587768	0.000000
C	1.061667	1.479712	0.000000
H	1.068533	2.562072	0.000000
C	2.153808	-0.675355	0.000000
C	1.030715	-1.442329	0.000000
H	0.923821	-2.520975	0.000000
N	-0.142533	-0.688086	0.000000
C	-0.173426	0.744543	0.000000
C	-1.461962	-1.084555	0.000000
H	-1.743680	-2.126598	0.000000
C	-2.205195	0.078945	0.000000
H	-3.285565	0.155531	0.000000
N	-1.421582	1.194032	0.000000

SI-161

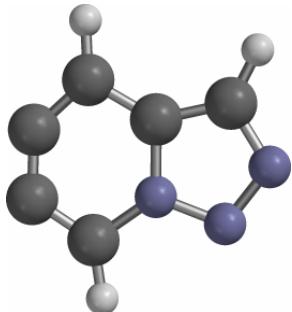
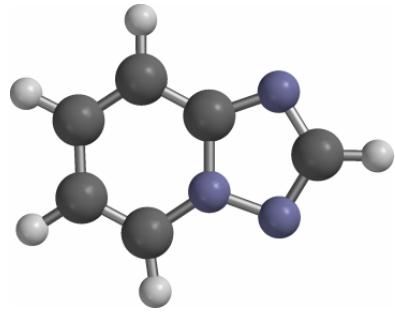
C	0.884290	-1.364703	0.000000
H	0.759331	-2.440149	0.000000
C	0.933747	1.449014	0.000000
H	0.932503	2.533992	0.000000
N	-0.274629	-0.633293	0.000000
C	-0.301904	0.755171	0.000000
C	-1.668009	1.034773	0.000000
H	-2.167270	1.992533	0.000000
N	-2.355528	-0.126783	0.000000
N	-1.533143	-1.151436	0.000000
C	2.102661	0.730107	0.000000
H	3.059057	1.243348	0.000000
C	2.075240	-0.697735	0.000000
H	2.998968	-1.265589	0.000000

SI-160

C	2.265243	0.473680	0.000000
H	3.237113	0.949901	0.000000
C	1.090481	1.201514	0.000000
H	1.079827	2.285858	0.000000
C	1.970949	-0.897483	0.000000
C	0.889313	-1.504015	0.000000
C	-0.348238	-0.845880	0.000000
C	-1.414793	1.133340	0.000000
H	-1.583078	2.199636	0.000000
N	-0.143814	0.590685	0.000000
N	-1.629629	-1.141037	0.000000
C	-2.280658	0.063444	0.000000
H	-3.362126	0.107719	0.000000

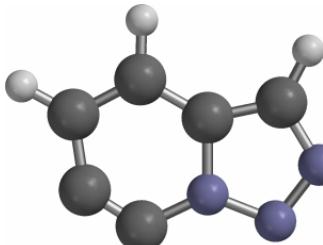
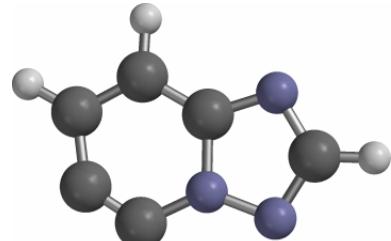
SI-162

C	2.269703	0.453028	0.000000
H	3.241310	0.929689	0.000000
C	1.982415	-0.924738	0.000000
C	0.901625	-1.530288	0.000000
C	-0.328865	-0.858663	0.000000
C	1.095716	1.176782	0.000000
H	1.050098	2.258833	0.000000
N	-0.130171	0.547081	0.000000
C	-1.708347	-0.976019	0.000000
H	-2.316551	-1.867714	0.000000
N	-2.257364	0.263051	0.000000
N	-1.330590	1.188938	0.000000

SI-163**SI-165**

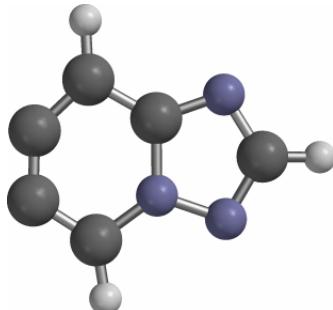
C	1.026232	-1.414449	0.000000
H	0.884907	-2.487577	0.000000
C	2.142561	-0.645165	0.000000
C	2.079622	0.619607	0.000000
C	1.062555	1.511251	0.000000
H	1.090486	2.593881	0.000000
N	-0.136135	-0.640064	0.000000
C	-0.168352	0.766107	0.000000
C	-1.536126	1.033418	0.000000
H	-2.038230	1.989639	0.000000
N	-2.220628	-0.129386	0.000000
N	-1.391536	-1.150999	0.000000

N	-0.310224	-0.636561	0.000000
N	-1.590937	-1.088647	0.000000
C	-2.275659	0.058107	0.000000
H	-3.358178	0.046425	0.000000
N	-1.558798	1.202375	0.000000
C	-0.297361	0.756648	0.000000
C	0.954012	1.411926	0.000000
H	0.973509	2.495787	0.000000
C	2.100509	0.650426	0.000000
H	3.072191	1.134560	0.000000
C	2.032534	-0.770617	0.000000
H	2.937977	-1.366898	0.000000
C	0.817748	-1.403457	0.000000
H	0.663277	-2.474905	0.000000

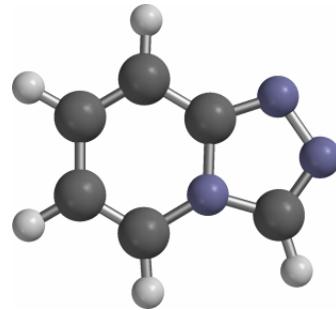
SI-164**SI-166**

C	1.913232	-0.928176	0.000000
C	-0.157344	0.682186	0.000000
C	0.793614	-1.456871	0.000000
N	-0.342082	-0.724266	0.000000
C	-1.473339	1.134446	0.000000
H	-1.846520	2.148372	0.000000
N	-2.316625	0.077573	0.000000
N	-1.649217	-1.057234	0.000000
C	2.298290	0.424049	0.000000
H	3.304807	0.822239	0.000000
C	1.161859	1.223900	0.000000
H	1.269925	2.304823	0.000000

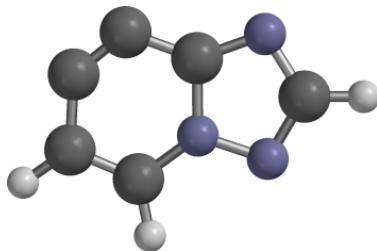
C	1.909945	-0.945109	0.000000
C	-0.169918	0.665755	0.000000
C	0.785252	-1.469555	0.000000
N	-0.345829	-0.744625	0.000000
N	-1.380563	1.222595	0.000000
C	-2.215867	0.158621	0.000000
H	-3.292524	0.265799	0.000000
N	-1.658494	-1.056289	0.000000
C	2.282746	0.407950	0.000000
H	3.289116	0.808164	0.000000
C	1.146872	1.210712	0.000000
H	1.238209	2.291854	0.000000

SI-167

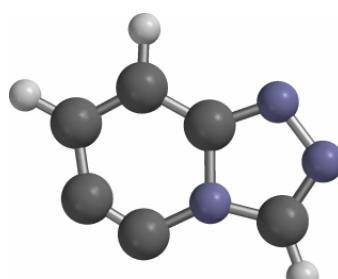
C	0.996719	-1.436848	0.000000
H	0.857413	-2.510473	0.000000
C	2.124548	-0.671518	0.000000
C	2.059041	0.589892	0.000000
C	1.048568	1.494896	0.000000
H	1.069729	2.576914	0.000000
C	-0.179894	0.756439	0.000000
N	-1.451978	1.155312	0.000000
C	-2.136042	-0.009071	0.000000
H	-3.217871	-0.050972	0.000000
N	-1.417132	-1.134627	0.000000
N	-0.149538	-0.660102	0.000000

SI-169

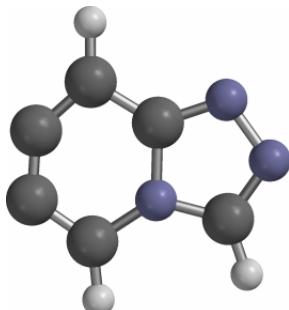
N	-0.312396	-0.663455	0.000000
N	-1.528803	1.209701	0.000000
C	-0.287842	0.737217	0.000000
C	0.971174	1.392243	0.000000
H	0.985892	2.476231	0.000000
C	2.113174	0.636345	0.000000
H	3.086378	1.116966	0.000000
C	2.041803	-0.793156	0.000000
H	2.948787	-1.387469	0.000000
C	0.835344	-1.426172	0.000000
H	0.705507	-2.501926	0.000000
N	-2.369981	0.132227	0.000000
C	-1.650290	-0.969331	0.000000
H	-2.031127	-1.980297	0.000000

SI-168

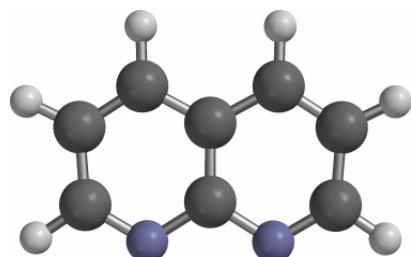
C	2.245510	0.471106	0.000000
H	3.217060	0.947429	0.000000
C	-0.351616	-0.851251	0.000000
C	1.066621	1.195283	0.000000
H	1.021002	2.277273	0.000000
N	-0.149238	0.561372	0.000000
N	-1.651043	-1.100422	0.000000
C	-2.197159	0.140810	0.000000
H	-3.267113	0.302915	0.000000
N	-1.360342	1.177018	0.000000
C	1.952491	-0.899236	0.000000
C	0.877698	-1.520328	0.000000

SI-170

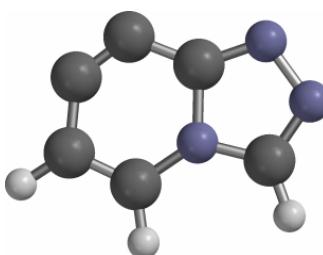
C	-0.799113	-1.488208	0.000000
C	-1.922355	-0.969747	0.000000
C	-2.303681	0.390987	0.000000
H	-3.312265	0.784635	0.000000
C	-1.175378	1.191886	0.000000
H	-1.267854	2.273016	0.000000
C	0.153101	0.654300	0.000000
N	1.340737	1.237853	0.000000
N	2.293618	0.254317	0.000000
C	1.700893	-0.922440	0.000000
H	2.189326	-1.885126	0.000000
N	0.343772	-0.759734	0.000000

SI-171

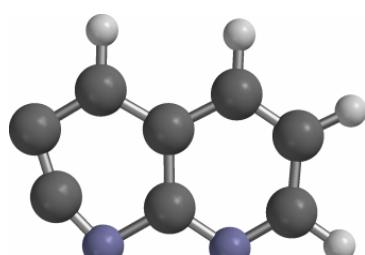
C	1.004028	-1.458906	0.000000
H	0.878496	-2.535217	0.000000
C	2.130731	-0.705787	0.000000
C	2.067297	0.561331	0.000000
C	1.074016	1.471575	0.000000
H	1.097377	2.553605	0.000000
C	-0.172013	0.741767	0.000000
N	-1.421628	1.179615	0.000000
N	-2.238466	0.083525	0.000000
C	-1.491847	-1.001379	0.000000
H	-1.855810	-2.018561	0.000000
N	-0.159721	-0.677464	0.000000

SI-173

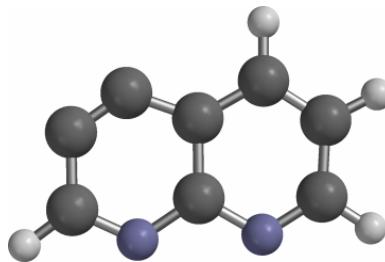
N	-1.154884	0.000000	1.426752
C	-2.292941	0.000000	0.763537
H	-3.199960	0.000000	1.368311
C	-2.403481	0.000000	-0.651109
H	-3.383432	0.000000	-1.118662
C	-1.250124	0.000000	-1.397122
H	-1.277887	0.000000	-2.484697
C	0.000000	0.000000	-0.729176
C	0.000000	0.000000	0.704072
N	1.154884	0.000000	1.426752
C	2.292941	0.000000	0.763537
H	3.199960	0.000000	1.368311
C	2.403481	0.000000	-0.651109
H	3.383432	0.000000	-1.118662
C	1.250124	0.000000	-1.397122
H	1.277887	0.000000	-2.484697

SI-172

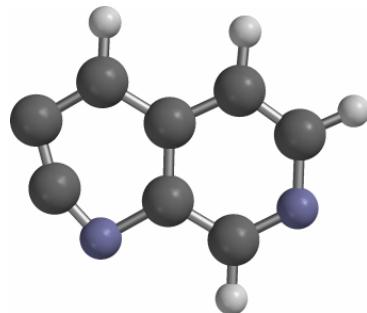
C	1.073968	-1.217013	0.000000
H	1.056947	-2.301013	0.000000
C	2.244588	-0.490724	0.000000
H	3.217280	-0.964810	0.000000
C	1.951331	0.885237	0.000000
C	0.879681	1.504838	0.000000
C	-0.356122	0.833775	0.000000
N	-1.641132	1.106344	0.000000
N	-2.313454	-0.091849	0.000000
C	-1.443138	-1.075273	0.000000
H	-1.686337	-2.128178	0.000000
N	-0.157998	-0.591533	0.000000

SI-174

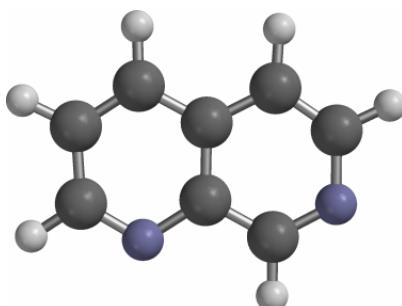
C	2.179473	-0.551313	0.000000
C	2.575007	0.678067	0.000000
C	1.372017	1.400887	0.000000
H	1.353123	2.492578	0.000000
C	0.114542	0.698772	0.000000
C	0.082499	-0.745265	0.000000
N	1.309613	-1.442627	0.000000
C	-1.142812	1.347742	0.000000
H	-1.182862	2.434363	0.000000
C	-2.295842	0.592862	0.000000
H	-3.275712	1.059831	0.000000
C	-2.188685	-0.815690	0.000000
H	-3.089837	-1.426983	0.000000
N	-1.040565	-1.476687	0.000000

SI-175

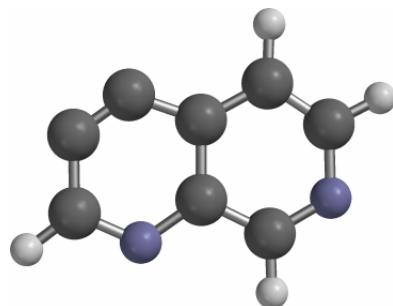
C	-0.135225	-0.614459	0.000000
C	0.005487	0.849724	0.000000
C	-1.258679	1.446855	0.000000
C	-2.348442	0.839843	0.000000
C	-2.477043	-0.570158	0.000000
H	-3.413194	-1.120024	0.000000
N	-1.343943	-1.243171	0.000000
C	1.300047	1.407052	0.000000
H	1.418896	2.485980	0.000000
C	2.383926	0.557776	0.000000
H	3.400047	0.940117	0.000000
C	2.155276	-0.838152	0.000000
H	3.006206	-1.518665	0.000000
N	0.965380	-1.408175	0.000000

SI-177

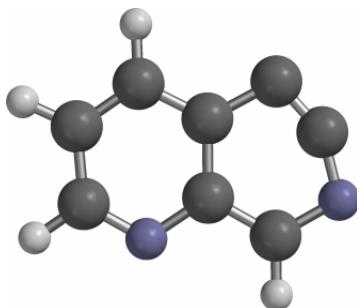
N	1.339261	1.434591	0.000000
C	0.117448	0.722607	0.000000
C	0.114503	-0.711029	0.000000
C	1.365686	-1.434724	0.000000
H	1.338453	-2.525315	0.000000
C	2.201736	0.531017	0.000000
C	2.559712	-0.707287	0.000000
C	-1.109823	1.421606	0.000000
H	-1.095363	2.509936	0.000000
N	-2.280748	0.812127	0.000000
C	-2.293911	-0.544911	0.000000
H	-3.280189	-1.002868	0.000000
C	-1.159155	-1.329640	0.000000
	-1.237216	-2.413502	0.000000

SI-176

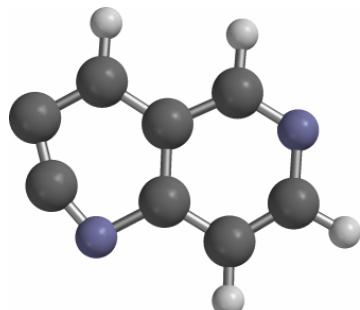
N	-1.175124	-1.412317	0.000000
C	-2.310244	-0.744550	0.000000
H	-3.222503	-1.340168	0.000000
C	-2.402088	0.673410	0.000000
H	-3.379014	1.147830	0.000000
C	-1.247427	1.418035	0.000000
H	-1.274463	2.505071	0.000000
C	0.000989	0.742794	0.000000
C	-0.023480	-0.682445	0.000000
C	1.268634	1.376671	0.000000
H	1.338537	2.461550	0.000000
C	1.225360	-1.366736	0.000000
H	1.210763	-2.455733	0.000000
N	2.395796	-0.763815	0.000000
C	2.404044	0.598474	0.000000
H	3.389750	1.058630	0.000000

SI-178

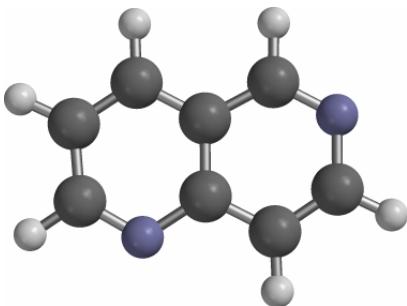
N	1.359917	-1.221453	0.000000
C	2.495572	-0.544438	0.000000
H	3.433860	-1.089257	0.000000
C	2.345574	0.861235	0.000000
C	1.255019	1.466392	0.000000
C	-0.009583	0.862474	0.000000
C	0.159898	-0.589244	0.000000
C	-1.318187	1.382769	0.000000
H	-1.481875	2.455198	0.000000
C	-2.378802	0.500092	0.000000
H	-3.400673	0.872531	0.000000
N	-2.250990	-0.851694	0.000000
C	-1.035981	-1.362409	0.000000
H	-0.943483	-2.446675	0.000000

SI-179

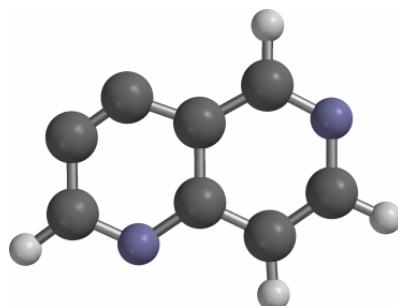
N	-1.008693	-1.391635	0.000000
C	-2.173070	-0.776085	0.000000
H	-3.055505	-1.414734	0.000000
C	-2.333533	0.634640	0.000000
H	-3.334112	1.057552	0.000000
C	-1.220098	1.442620	0.000000
H	-1.293081	2.525718	0.000000
C	0.062907	0.838485	0.000000
C	0.110568	-0.611355	0.000000
C	1.322258	1.551503	0.000000
C	2.197871	0.640632	0.000000
N	2.538707	-0.597680	0.000000
C	1.375810	-1.282466	0.000000
H	1.419286	-2.366741	0.000000

SI-181

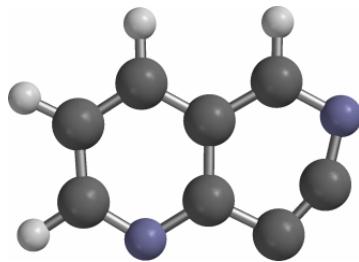
N	1.336936	-1.463848	0.000000
C	0.117373	-0.750891	0.000000
C	0.132589	0.684685	0.000000
C	1.382621	1.400501	0.000000
H	1.361667	2.491415	0.000000
C	2.576400	0.667756	0.000000
C	2.206974	-0.564489	0.000000
C	-1.134321	1.327858	0.000000
H	-1.172095	2.417467	0.000000
N	-2.292382	0.696347	0.000000
C	-2.270049	-0.660929	0.000000
H	-3.243992	-1.144963	0.000000
C	-1.117544	-1.422550	0.000000
H	-1.144709	-2.506749	0.000000

SI-180

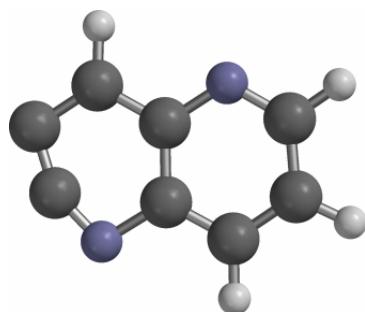
N	-1.171314	-1.446884	0.000000
C	-2.306763	-0.776897	0.000000
H	-3.216767	-1.376704	0.000000
C	-2.410319	0.639398	0.000000
H	-3.389701	1.107932	0.000000
C	-1.255658	1.384987	0.000000
H	-1.281894	2.472367	0.000000
C	-0.010139	0.710558	0.000000
C	-0.017733	-0.716075	0.000000
C	1.237192	-1.374213	0.000000
H	1.263061	-2.458998	0.000000
C	2.387727	-0.618649	0.000000
H	3.363965	-1.098290	0.000000
N	2.409610	0.744349	0.000000
C	1.250170	1.368037	0.000000
H	1.278605	2.458976	0.000000

SI-182

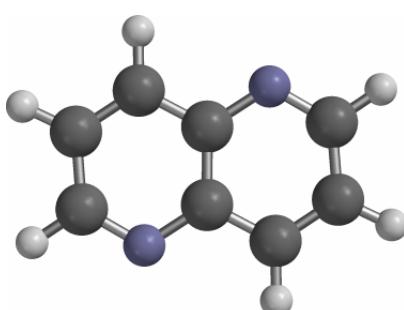
N	1.352727	-1.257358	0.000000
C	2.488181	-0.577518	0.000000
H	3.425158	-1.125372	0.000000
C	2.346559	0.826625	0.000000
C	1.258359	1.436726	0.000000
C	-0.003500	0.830403	0.000000
C	0.150323	-0.623935	0.000000
C	-1.308058	1.374364	0.000000
H	-1.432670	2.455927	0.000000
N	-2.404292	0.639628	0.000000
C	-2.261969	-0.711315	0.000000
H	-3.191493	-1.276147	0.000000
C	-1.052036	-1.372940	0.000000
H	-0.999305	-2.456316	0.000000

SI-183

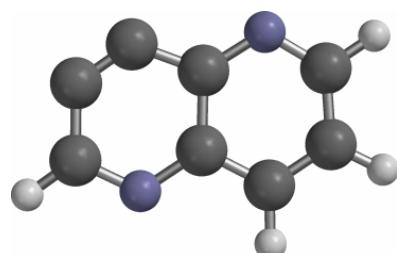
N	1.170209	-1.473559	0.000000
C	-0.023223	-0.830701	0.000000
C	-0.117177	0.625558	0.000000
C	1.094334	1.362419	0.000000
H	1.067720	2.449708	0.000000
C	2.288064	0.681068	0.000000
H	3.238671	1.205215	0.000000
C	2.265419	-0.736256	0.000000
H	3.208275	-1.282916	0.000000
C	-1.390478	1.269830	0.000000
H	-1.469945	2.354191	0.000000
N	-2.551379	0.579136	0.000000
C	-2.194239	-0.661915	0.000000
C	-1.282596	-1.527698	0.000000

SI-185

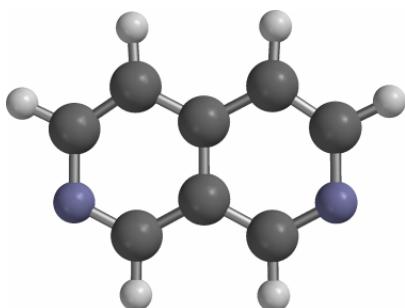
C	2.201548	-0.532924	0.000000
C	2.549619	0.704375	0.000000
C	1.347602	1.421882	0.000000
H	1.286634	2.509498	0.000000
C	0.104962	0.685789	0.000000
C	0.123538	-0.755558	0.000000
N	1.349078	-1.451484	0.000000
N	-1.065300	1.379854	0.000000
C	-2.192264	0.691896	0.000000
H	-3.111326	1.276359	0.000000
C	-2.265344	-0.721836	0.000000
H	-3.234067	-1.212154	0.000000
C	-1.098150	-1.455020	0.000000
H	-1.087522	-2.540478	0.000000

SI-184

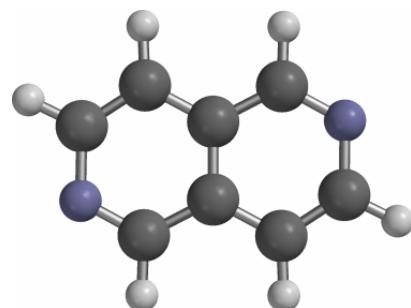
N	-1.183714	-1.425847	0.000000
C	-2.309995	-0.740590	0.000000
H	-3.229130	-1.325859	0.000000
C	-2.385144	0.676573	0.000000
H	-3.355940	1.163540	0.000000
C	-1.219162	1.404807	0.000000
H	-1.206125	2.490659	0.000000
C	0.019659	0.714465	0.000000
C	-0.019659	-0.714465	0.000000
N	1.183714	1.425847	0.000000
C	2.309995	0.740590	0.000000
H	3.229130	1.325859	0.000000
C	2.385144	-0.676573	0.000000
H	3.355940	-1.163540	0.000000
C	1.219162	-1.404807	0.000000
H	1.206125	-2.490659	0.000000

SI-186

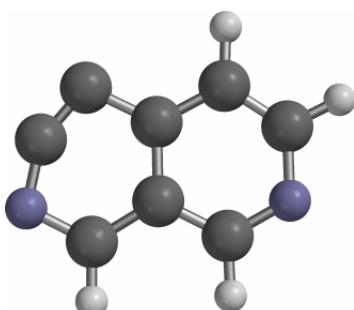
C	2.315177	0.648367	0.000000
H	3.280815	1.151720	0.000000
C	2.261448	-0.764080	0.000000
H	3.183604	-1.337287	0.000000
C	1.035665	-1.391907	0.000000
H	0.941848	-2.473065	0.000000
C	-0.147979	-0.612430	0.000000
C	0.041168	0.846229	0.000000
N	1.250912	1.432921	0.000000
N	-1.355781	-1.233148	0.000000
C	-2.482086	-0.539625	0.000000
H	-3.426552	-1.073884	0.000000
C	-2.315998	0.861270	0.000000
C	-1.222946	1.463237	0.000000

SI-187

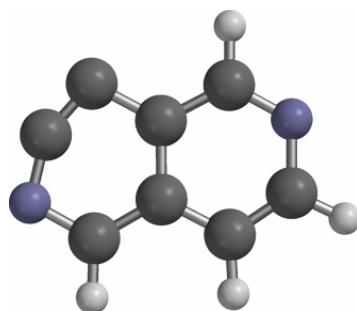
C	1.251535	0.000000	1.354816
H	1.270763	0.000000	2.445554
N	2.416952	0.000000	0.741446
C	2.404200	0.000000	-0.621829
H	3.384291	0.000000	-1.093889
C	1.260950	0.000000	-1.388819
H	1.320878	0.000000	-2.473699
C	0.000000	0.000000	-0.740290
C	0.000000	0.000000	0.683241
C	-1.251535	0.000000	1.354816
H	-1.270763	0.000000	2.445554
N	-2.416952	0.000000	0.741446
C	-2.404200	0.000000	-0.621829
H	-3.384291	0.000000	-1.093889
C	-1.260950	0.000000	-1.388819
H	-1.320878	0.000000	-2.473699

SI-189

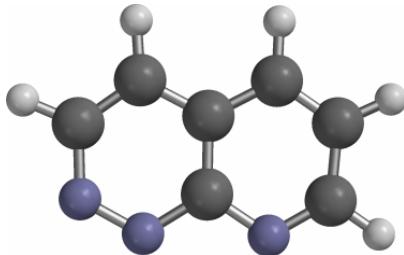
C	1.248628	-1.381357	0.000000
H	1.270291	-2.471874	0.000000
N	2.411206	-0.764291	0.000000
C	2.408706	0.598805	0.000000
H	3.390597	1.066165	0.000000
C	1.264399	1.363379	0.000000
H	1.319952	2.448765	0.000000
C	0.007366	0.711146	0.000000
C	-0.007366	-0.711146	0.000000
C	-1.248628	1.381357	0.000000
H	-1.270291	2.471874	0.000000
N	-2.411206	0.764291	0.000000
C	-2.408706	-0.598805	0.000000
H	-3.390597	-1.066165	0.000000
C	-1.264399	-1.363379	0.000000
H	-1.319952	-2.448765	0.000000

SI-188

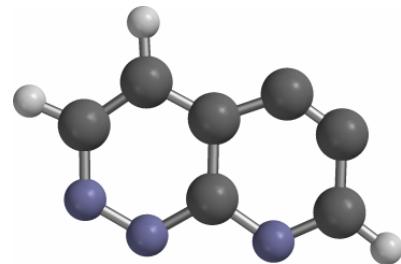
C	1.086644	-1.342577	0.000000
H	1.058379	-2.432924	0.000000
N	2.278091	-0.784126	0.000000
C	2.335033	0.576785	0.000000
H	3.338580	0.996847	0.000000
C	1.234938	1.408044	0.000000
H	1.343827	2.487248	0.000000
C	-0.057792	0.834470	0.000000
C	-0.135287	-0.613439	0.000000
C	-1.401921	-1.266921	0.000000
H	-1.485033	-2.350510	0.000000
N	-2.558700	-0.567760	0.000000
C	-2.203973	0.668314	0.000000
C	-1.311068	1.559767	0.000000

SI-190

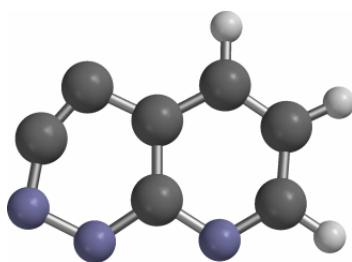
C	1.392920	1.298124	0.000000
H	1.480944	2.380967	0.000000
N	2.543613	0.590181	0.000000
C	2.195263	-0.643414	0.000000
C	1.306722	-1.544297	0.000000
C	0.062526	-0.801974	0.000000
C	0.122766	0.644159	0.000000
C	-1.106919	1.351918	0.000000
H	-1.117712	2.438714	0.000000
C	-2.284563	0.640064	0.000000
H	-3.241768	1.156121	0.000000
N	-2.354375	-0.719542	0.000000
C	-1.228248	-1.402142	0.000000
H	-1.294360	-2.488845	0.000000

SI-191

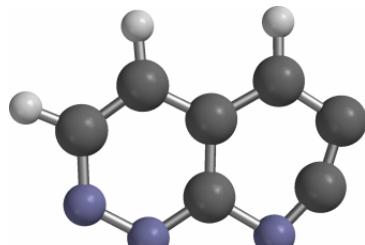
C	-0.024519	-0.672748	0.000000
N	-1.203003	-1.367333	0.000000
N	-2.336803	-0.721664	0.000000
C	-2.354504	0.641549	0.000000
H	-3.349288	1.076989	0.000000
C	-1.219570	1.418875	0.000000
H	-1.273495	2.505011	0.000000
C	0.021184	0.752292	0.000000
C	1.293780	1.382753	0.000000
H	1.359099	2.468239	0.000000
C	2.414053	0.592276	0.000000
H	3.411374	1.021606	0.000000
C	2.255856	-0.823313	0.000000
H	3.142954	-1.456141	0.000000
N	1.098506	-1.445395	0.000000

SI-193

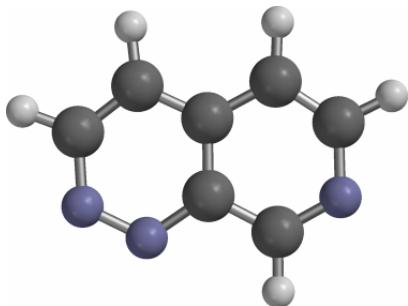
N	2.161543	0.902226	0.000000
N	0.956668	1.403049	0.000000
C	2.353641	-0.442378	0.000000
H	3.395681	-0.747926	0.000000
C	1.329566	-1.366535	0.000000
H	1.523809	-2.434012	0.000000
C	0.020899	-0.868750	0.000000
C	-0.136641	0.585932	0.000000
N	-1.344828	1.211913	0.000000
C	-2.470654	0.531983	0.000000
H	-3.411266	1.073583	0.000000
C	-1.238198	-1.481241	0.000000
C	-2.331890	-0.882233	0.000000

SI-192

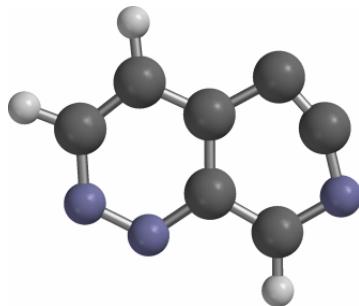
N	2.486148	0.674446	0.000000
N	1.301175	1.331486	0.000000
C	2.204103	-0.586833	0.000000
C	1.326699	-1.497657	0.000000
C	0.063375	-0.838125	0.000000
C	-1.220330	-1.443621	0.000000
H	-1.295138	-2.526422	0.000000
C	0.133740	0.619276	0.000000
C	-2.324820	-0.630018	0.000000
H	-3.329657	-1.041909	0.000000
N	-0.987812	1.398836	0.000000
C	-2.147974	0.784063	0.000000
H	-3.028003	1.426459	0.000000

SI-194

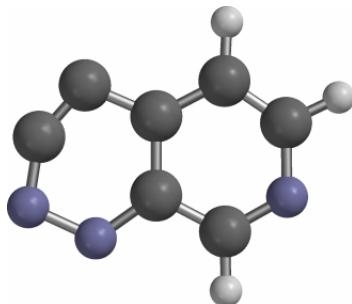
N	2.212354	0.873751	0.000000
N	1.043145	1.473533	0.000000
C	2.283430	-0.479614	0.000000
H	3.294781	-0.875015	0.000000
C	1.180703	-1.311977	0.000000
H	1.290689	-2.393319	0.000000
C	-0.091876	-0.715908	0.000000
C	-1.345008	-1.435957	0.000000
H	-1.318827	-2.526832	0.000000
C	-0.074364	0.722690	0.000000
C	-2.539065	-0.709523	0.000000
N	-1.300775	1.426121	0.000000
C	-2.160509	0.527176	0.000000

SI-195

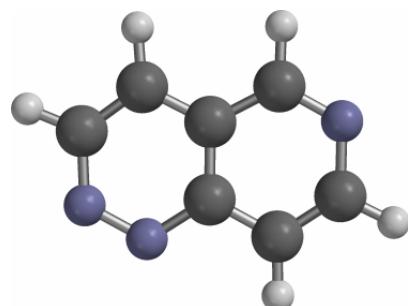
C	-0.034555	-0.660050	0.000000
N	-1.188349	-1.387747	0.000000
N	-2.339388	-0.772589	0.000000
C	-2.376351	0.592813	0.000000
H	-3.379661	1.008653	0.000000
C	-1.260783	1.398736	0.000000
H	-1.344642	2.482359	0.000000
C	-0.002809	0.760317	0.000000
C	1.268111	1.388631	0.000000
H	1.347766	2.472291	0.000000
C	2.392472	0.597107	0.000000
H	3.382734	1.046798	0.000000
N	2.376083	-0.769228	0.000000
C	1.204485	-1.364399	0.000000
H	1.177825	-2.452758	0.000000

SI-197

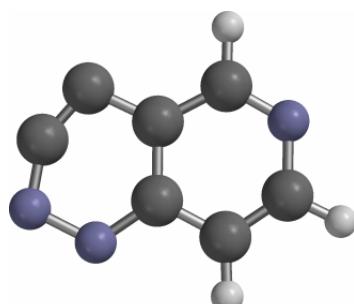
N	-0.996713	-1.384415	0.000000
N	-2.180779	-0.838646	0.000000
C	-2.303449	0.520511	0.000000
H	-3.331609	0.871119	0.000000
C	-1.244149	1.402677	0.000000
H	-1.391256	2.477864	0.000000
C	0.053305	0.855062	0.000000
C	0.113426	-0.589149	0.000000
C	1.380322	-1.261232	0.000000
H	1.428495	-2.345298	0.000000
C	1.307959	1.577803	0.000000
C	2.187194	0.672322	0.000000
N	2.533650	-0.567812	0.000000

SI-196

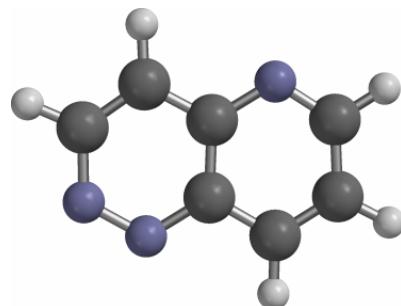
N	2.506239	0.651682	0.000000
N	1.317201	1.306824	0.000000
C	2.221128	-0.614443	0.000000
C	1.323966	-1.501649	0.000000
C	0.055520	-0.849445	0.000000
C	0.158798	0.600700	0.000000
C	-1.240482	-1.415520	0.000000
H	-1.363717	-2.493101	0.000000
C	-2.325775	-0.568471	0.000000
H	-3.335526	-0.972062	0.000000
C	-1.061241	1.351000	0.000000
H	-1.002451	2.437447	0.000000
N	-2.249381	0.795366	0.000000

SI-198

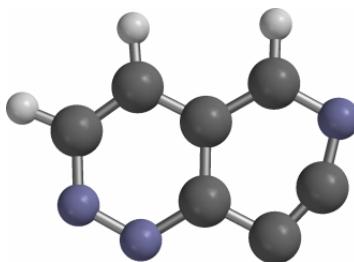
C	-0.019789	-0.691909	0.000000
N	-1.169496	-1.435825	0.000000
N	-2.325329	-0.830735	0.000000
C	-2.390879	0.532264	0.000000
H	-3.401335	0.929825	0.000000
C	-1.284902	1.352673	0.000000
H	-1.379808	2.435683	0.000000
C	-0.023381	0.729108	0.000000
C	1.235296	1.396790	0.000000
H	1.261159	2.487232	0.000000
C	1.232854	-1.355812	0.000000
H	1.257027	-2.440506	0.000000
N	2.390484	0.770842	0.000000
C	2.378261	-0.595825	0.000000
H	3.358080	-1.066666	0.000000

SI-199

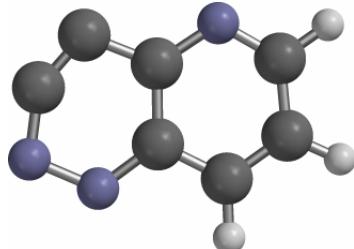
N	2.495582	0.672495	0.000000
N	1.312485	1.344372	0.000000
C	2.210597	-0.584601	0.000000
C	1.323921	-1.489449	0.000000
C	0.066455	-0.816034	0.000000
C	0.149985	0.634237	0.000000
C	-1.228790	-1.409484	0.000000
H	-1.308559	-2.495291	0.000000
C	-1.074512	1.358703	0.000000
H	-1.054277	2.443098	0.000000
C	-2.252936	0.653192	0.000000
H	-3.205689	1.176647	0.000000
N	-2.340997	-0.710355	0.000000

SI-201

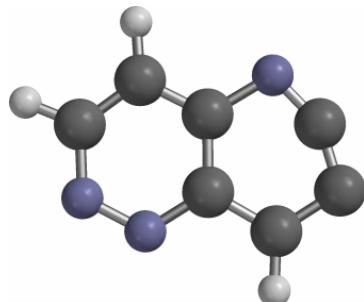
C	-0.016404	-0.694773	0.000000
N	-1.170384	-1.425694	0.000000
N	-2.323251	-0.812390	0.000000
C	-2.368361	0.550722	0.000000
H	-3.373494	0.962339	0.000000
C	-1.254682	1.361211	0.000000
H	-1.319054	2.444843	0.000000
C	0.003722	0.729107	0.000000
C	1.224844	-1.383640	0.000000
H	1.217023	-2.469431	0.000000
C	2.379690	-0.642447	0.000000
H	3.357436	-1.114483	0.000000
N	1.158724	1.457894	0.000000
C	2.287147	0.778301	0.000000
H	3.202210	1.369767	0.000000

SI-200

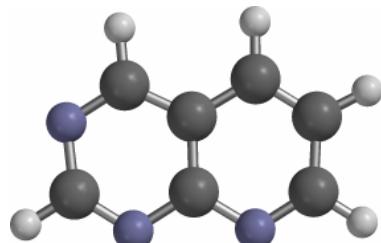
N	2.295003	0.776205	0.000000
N	1.180611	1.460557	0.000000
C	2.276251	-0.585658	0.000000
H	3.259957	-1.045381	0.000000
C	1.124240	-1.339602	0.000000
H	1.160652	-2.426287	0.000000
C	-0.101228	-0.645307	0.000000
C	-0.014860	0.803190	0.000000
C	-1.264120	1.520707	0.000000
C	-2.170585	0.647943	0.000000
C	-1.376379	-1.295069	0.000000
H	-1.460378	-2.378810	0.000000
N	-2.525818	-0.592623	0.000000

SI-202

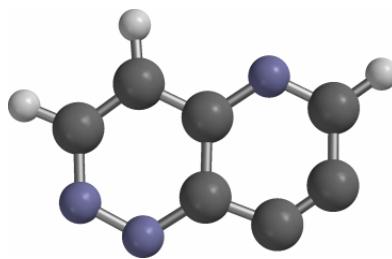
N	2.496477	0.645761	0.000000
N	1.312844	1.305287	0.000000
C	2.204561	-0.623668	0.000000
C	1.286648	-1.486662	0.000000
C	0.019176	-0.844602	0.000000
C	0.143446	0.615023	0.000000
N	-1.177959	-1.473343	0.000000
C	-2.259126	-0.719221	0.000000
H	-3.211418	-1.248319	0.000000
C	-2.257261	0.703297	0.000000
H	-3.201931	1.238126	0.000000
C	-1.061522	1.374147	0.000000
H	-0.998090	2.457477	0.000000

SI-203

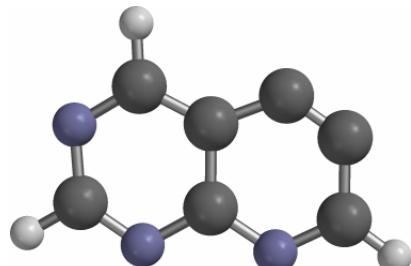
N	2.204295	0.751924	0.000000
N	1.053457	1.375117	0.000000
C	2.241861	-0.606172	0.000000
H	3.243158	-1.026795	0.000000
C	1.123405	-1.417985	0.000000
H	1.186753	-2.501141	0.000000
C	-0.115902	-0.771743	0.000000
C	-0.109707	0.665174	0.000000
N	-1.333151	-1.485203	0.000000
C	-2.192130	-0.571120	0.000000
C	-2.539909	0.666021	0.000000
C	-1.353926	1.402302	0.000000
H	-1.300528	2.489860	0.000000

SI-205

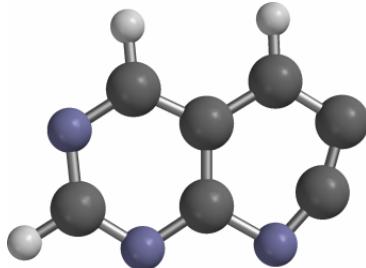
C	-0.017092	-0.712585	0.000000
N	-1.197838	-1.389985	0.000000
C	0.001694	0.713949	0.000000
C	-2.292773	-0.661773	0.000000
H	-3.239022	-1.199455	0.000000
C	1.250465	1.380447	0.000000
H	1.286304	2.467615	0.000000
C	-1.260598	1.358996	0.000000
H	-1.314421	2.449164	0.000000
N	-2.399020	0.698800	0.000000
N	1.124088	-1.453751	0.000000
C	2.266644	-0.795785	0.000000
H	3.168738	-1.407566	0.000000
C	2.394103	0.619371	0.000000
H	3.380586	1.072362	0.000000

SI-204

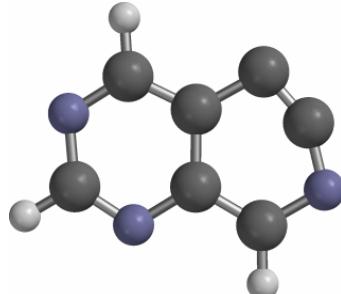
N	2.347546	0.683387	0.000000
N	1.258874	1.414255	0.000000
C	0.049692	0.818158	0.000000
C	-0.135170	-0.634536	0.000000
C	1.062930	-1.371591	0.000000
H	1.033438	-2.456247	0.000000
C	2.252516	-0.670878	0.000000
H	3.209187	-1.184939	0.000000
N	-1.342320	-1.259506	0.000000
C	-2.464461	-0.561298	0.000000
H	-3.410383	-1.093270	0.000000
C	-2.300187	0.842812	0.000000
C	-1.209316	1.445610	0.000000

SI-206

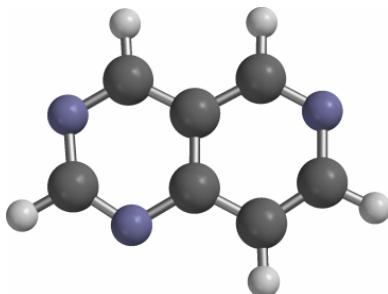
C	2.163743	0.745703	0.000000
H	3.056926	1.367009	0.000000
N	2.388204	-0.594655	0.000000
C	1.315249	-1.362554	0.000000
H	1.464841	-2.441079	0.000000
C	0.008053	-0.831614	0.000000
C	-1.253530	-1.433475	0.000000
C	-2.333631	-0.808817	0.000000
C	-0.116528	0.625140	0.000000
N	1.009416	1.381276	0.000000
N	-1.314606	1.269587	0.000000
C	-2.452457	0.600975	0.000000
H	-3.384863	1.157110	0.000000

SI-207

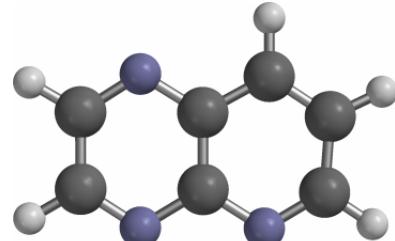
C	2.161203	-0.593089	0.000000
C	2.562147	0.632208	0.000000
C	1.378074	1.383165	0.000000
H	1.376121	2.474401	0.000000
C	0.119734	0.687278	0.000000
N	1.276290	-1.474161	0.000000
C	0.067562	-0.750289	0.000000
N	-1.084672	-1.434743	0.000000
C	-2.188186	-0.704516	0.000000
H	-3.130292	-1.247803	0.000000
N	-2.287055	0.647624	0.000000
C	-1.148460	1.316868	0.000000
H	-1.213797	2.405227	0.000000

SI-209

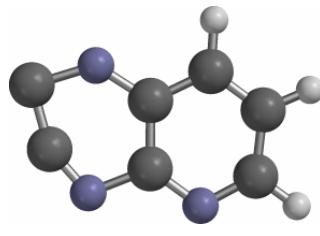
N	2.334215	-0.670705	0.000000
C	2.177901	0.684366	0.000000
H	3.101096	1.259516	0.000000
N	1.053457	1.365555	0.000000
C	1.236291	-1.396571	0.000000
H	1.336557	-2.481122	0.000000
C	-0.092334	0.626133	0.000000
C	-0.062322	-0.815897	0.000000
C	-1.309599	-1.550298	0.000000
C	-2.175289	-0.624176	0.000000
N	-2.506667	0.612562	0.000000
C	-1.350822	1.308740	0.000000
H	-1.400269	2.392482	0.000000

SI-208

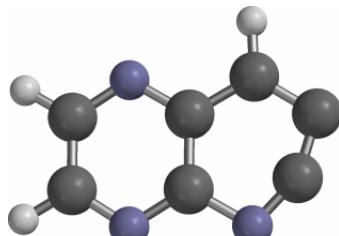
C	-0.045606	-0.719113	0.000000
N	-1.237024	-1.385815	0.000000
C	0.001391	0.701461	0.000000
C	1.187586	-1.413930	0.000000
H	1.190055	-2.498795	0.000000
C	2.353816	-0.680583	0.000000
H	3.318626	-1.182664	0.000000
C	-2.317269	-0.634608	0.000000
H	-3.274228	-1.152861	0.000000
C	1.269786	1.337826	0.000000
H	1.324738	2.427297	0.000000
N	2.412001	0.682437	0.000000
C	-1.246590	1.371134	0.000000
H	-1.284640	2.461585	0.000000
N	-2.396275	0.728194	0.000000

SI-210

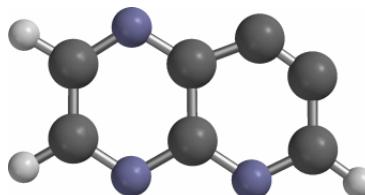
C	-0.021495	-0.716949	0.000000
N	-1.184641	-1.428949	0.000000
C	-0.012986	0.713333	0.000000
C	1.222100	-1.396537	0.000000
H	1.221279	-2.482548	0.000000
C	2.375607	-0.650280	0.000000
H	3.355078	-1.119017	0.000000
N	1.137843	1.437390	0.000000
C	2.272602	0.766666	0.000000
H	3.182701	1.366021	0.000000
N	-1.180922	1.415887	0.000000
C	-2.286760	0.703834	0.000000
H	-3.230504	1.248488	0.000000
C	-2.292256	-0.718971	0.000000
H	-3.236263	-1.261872	0.000000

SI-211

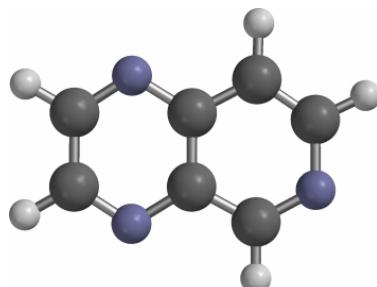
C	2.170855	-0.527587	0.000000
C	2.645453	0.785236	0.000000
N	1.292574	-1.382832	0.000000
N	1.343933	1.302188	0.000000
C	0.140835	0.659850	0.000000
C	-1.080953	1.373006	0.000000
H	-1.062521	2.457804	0.000000
C	0.034427	-0.774946	0.000000
N	-1.094518	-1.475546	0.000000
C	-2.215485	-0.763258	0.000000
H	-3.142843	-1.332115	0.000000
C	-2.257207	0.650291	0.000000
H	-3.218827	1.153721	0.000000

SI-213

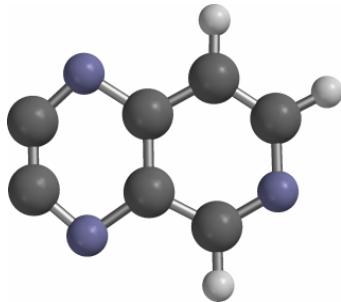
C	2.175521	0.773334	0.000000
H	3.109445	1.332475	0.000000
C	2.191217	-0.643674	0.000000
H	3.138890	-1.178978	0.000000
N	1.088175	-1.367296	0.000000
N	1.055269	1.475130	0.000000
C	-0.080220	0.759395	0.000000
C	-0.087692	-0.686024	0.000000
N	-1.300791	1.456093	0.000000
C	-1.332839	-1.411603	0.000000
H	-1.282850	-2.499959	0.000000
C	-2.531789	-0.685885	0.000000
C	-2.159074	0.547342	0.000000

SI-212

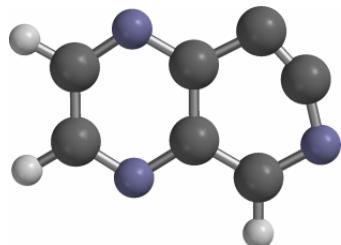
C	2.155625	0.806089	0.000000
H	3.037029	1.445615	0.000000
C	2.303102	-0.602695	0.000000
H	3.294173	-1.052523	0.000000
N	0.982187	1.406139	0.000000
N	1.266957	-1.419361	0.000000
C	0.050567	-0.845925	0.000000
C	-1.207974	-1.469397	0.000000
C	-0.120453	0.616594	0.000000
N	-1.330190	1.237726	0.000000
C	-2.452284	0.546114	0.000000
H	-3.397186	1.080163	0.000000
C	-2.296995	-0.860194	0.000000

SI-214

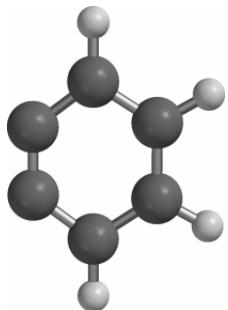
C	-0.029290	-0.729889	0.000000
N	-1.193756	-1.445635	0.000000
C	-0.039366	0.693574	0.000000
C	1.227256	-1.380587	0.000000
H	1.265455	-2.465184	0.000000
C	2.367931	-0.608480	0.000000
H	3.350030	-1.075685	0.000000
N	-1.201696	1.404907	0.000000
C	-2.306751	0.691454	0.000000
H	-3.253072	1.230127	0.000000
C	-2.299778	-0.733673	0.000000
H	-3.243125	-1.278434	0.000000
C	1.210692	1.372382	0.000000
H	1.206927	2.461555	0.000000
N	2.373376	0.754944	0.000000

SI-215

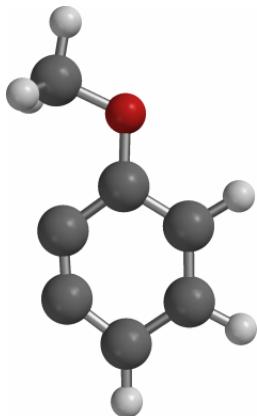
N	1.329486	1.479770	0.000000
C	0.157648	0.705792	0.000000
C	0.146264	-0.735339	0.000000
N	1.320199	-1.516343	0.000000
C	2.293298	-0.651336	0.000000
C	2.300133	0.610349	0.000000
C	-1.093356	1.376907	0.000000
H	-1.090188	2.465317	0.000000
N	-2.255566	0.755830	0.000000
C	-2.252367	-0.601886	0.000000
H	-3.232648	-1.072344	0.000000
C	-1.110371	-1.376065	0.000000
H	-1.151529	-2.460194	0.000000

SI-216

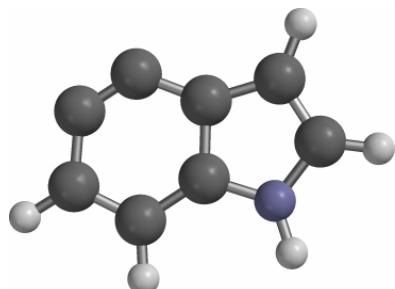
C	2.146228	0.818774	0.000000
H	3.036724	1.445220	0.000000
C	2.274599	-0.599302	0.000000
H	3.266628	-1.049871	0.000000
N	1.243354	-1.417859	0.000000
N	0.979278	1.425126	0.000000
C	0.014640	-0.835883	0.000000
C	-0.114569	0.612094	0.000000
C	-1.214866	-1.579020	0.000000
C	-2.144229	-0.729829	0.000000
N	-2.541638	0.498242	0.000000
C	-1.407306	1.227228	0.000000
H	-1.494904	2.309140	0.000000

B. Calculations using MP2/6-311+G****SI-3a***

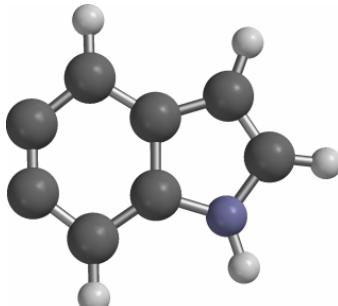
C	0.634257	0.000000	1.247993
C	-0.706963	0.000000	-1.056667
C	-0.634257	0.000000	1.247993
C	1.468416	0.000000	0.131772
C	0.706963	0.000000	-1.056667
C	-1.468416	0.000000	0.131772
H	2.553435	0.000000	0.128042
H	1.231954	0.000000	-2.009581
H	-2.553435	0.000000	0.128042
H	-1.231954	0.000000	-2.009581

SI-5a*

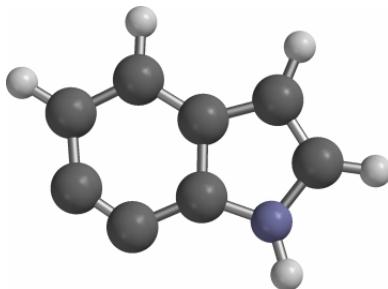
H	-0.284472	-2.258071	0.000000
C	-0.553949	-1.204844	0.000000
C	-1.210450	1.350307	0.000000
C	0.496125	-0.256918	0.000000
C	-1.908005	-0.821473	0.000000
C	-2.329068	0.530242	0.000000
C	0.025548	1.060671	0.000000
H	-2.668274	-1.600470	0.000000
H	-3.371352	0.825689	0.000000
O	1.779337	-0.670397	0.000000
C	2.731075	0.392597	0.000000
H	2.611454	1.013247	-0.893920
H	3.711280	-0.082381	0.000000
H	2.611454	1.013247	0.893920

SI-7a*

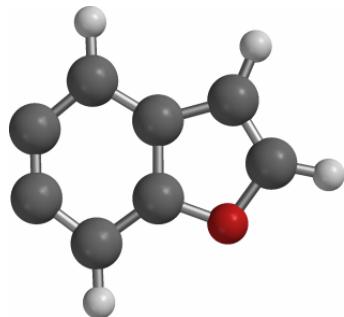
C	-0.998970	-1.468926	0.000000
C	-1.120255	1.248397	0.000000
C	0.268216	-0.870681	0.000000
C	-2.109773	-0.863235	0.000000
C	-2.324986	0.529152	0.000000
C	0.122092	0.566976	0.000000
H	-3.287581	1.029231	0.000000
H	-1.147794	2.336334	0.000000
C	1.660019	-1.167335	0.000000
H	2.126117	-2.142306	0.000000
C	2.320116	0.049947	0.000000
H	3.380665	0.262865	0.000000
N	1.402640	1.076605	0.000000
H	1.639316	2.057774	0.000000

SI-8a*

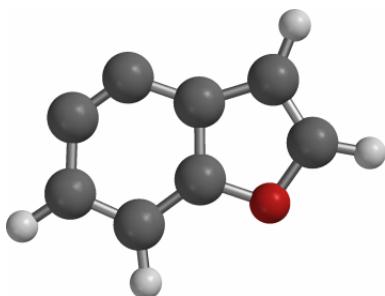
H	-1.145698	-2.575522	0.000000
C	-1.109618	-1.490287	0.000000
C	-1.044877	1.494882	0.000000
C	0.113510	-0.761398	0.000000
C	-2.181159	-0.610622	0.000000
C	-2.150910	0.662040	0.000000
C	0.120641	0.686439	0.000000
H	-1.023866	2.580917	0.000000
C	1.488321	-1.177700	0.000000
H	1.861004	-2.192830	0.000000
C	2.261782	-0.037237	0.000000
H	3.338493	0.072829	0.000000
N	1.444741	1.075153	0.000000
H	1.767260	2.030818	0.000000

SI-9a*

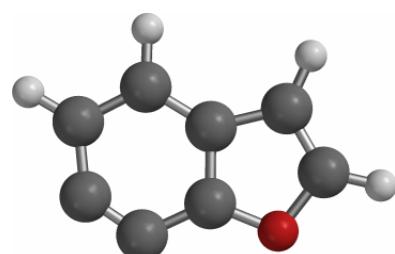
H	-1.259010	-2.337770	0.000000
C	-1.170874	-1.252946	0.000000
C	-0.936654	1.478071	0.000000
C	0.119703	-0.657609	0.000000
C	-2.345025	-0.482839	0.000000
C	-2.060416	0.893559	0.000000
C	0.266972	0.776461	0.000000
H	-3.330174	-0.935510	0.000000
C	1.455039	-1.182887	0.000000
H	1.747955	-2.224326	0.000000
C	2.324805	-0.110451	0.000000
H	3.405970	-0.090142	0.000000
N	1.602751	1.069597	0.000000
H	1.994970	1.999443	0.000000

SI-12a*

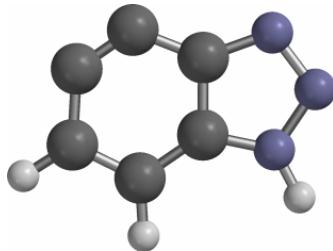
H	-0.973159	-2.574842	0.000000
C	-1.018788	-1.491162	0.000000
C	-1.095411	1.500382	0.000000
C	0.123672	-0.665019	0.000000
C	-2.129972	-0.660314	0.000000
C	-2.163302	0.611447	0.000000
C	0.119769	0.768247	0.000000
H	-1.138312	2.584851	0.000000
C	1.513766	1.140019	0.000000
H	1.936440	2.134983	0.000000
C	2.218679	-0.027614	0.000000
H	3.278937	-0.237315	0.000000
O	1.407893	-1.131095	0.000000

SI-11a*

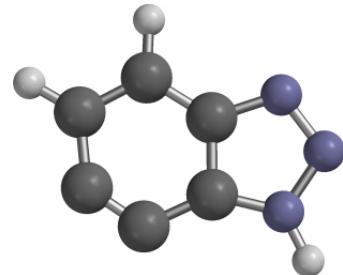
H	-1.105081	-2.329196	0.000000
C	-1.102180	-1.242791	0.000000
C	-0.986213	1.481815	0.000000
C	0.124020	-0.543814	0.000000
C	-2.307284	-0.523902	0.000000
C	-2.093011	0.867931	0.000000
C	0.273740	0.873708	0.000000
H	-3.270694	-1.021870	0.000000
C	1.683219	1.126181	0.000000
H	2.196313	2.076868	0.000000
C	2.269651	-0.111249	0.000000
H	3.303779	-0.423737	0.000000
O	1.357223	-1.128504	0.000000

SI-13a*

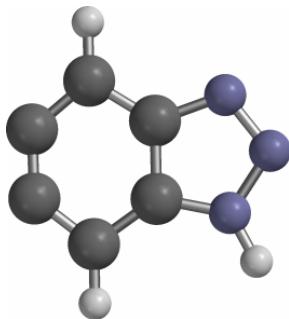
C	-0.896820	-1.478191	0.000000
C	-1.151104	1.261912	0.000000
C	0.284049	-0.751600	0.000000
C	-2.020276	-0.891836	0.000000
C	-2.318711	0.478284	0.000000
C	0.136039	0.665227	0.000000
H	-3.308171	0.921059	0.000000
H	-1.245882	2.345631	0.000000
C	1.490409	1.159138	0.000000
H	1.826877	2.186818	0.000000
C	2.299501	0.058377	0.000000
H	3.372754	-0.060738	0.000000
O	1.585734	-1.115961	0.000000

SI-31a*

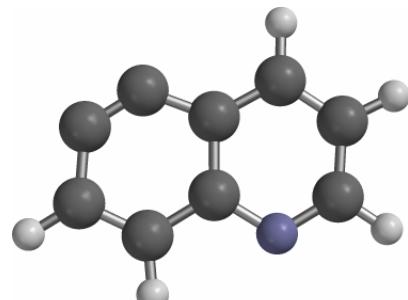
C	-0.913376	-1.477150	0.000000
C	-1.093507	1.268670	0.000000
C	0.324504	-0.823447	0.000000
C	-2.027782	-0.880182	0.000000
C	-2.270439	0.510391	0.000000
C	0.158275	0.601221	0.000000
H	-3.246350	0.983750	0.000000
H	-1.150680	2.354092	0.000000
N	1.451273	1.027528	0.000000
H	1.823373	1.968253	0.000000
N	2.328951	-0.003880	0.000000
N	1.648499	-1.137545	0.000000

SI-33a*

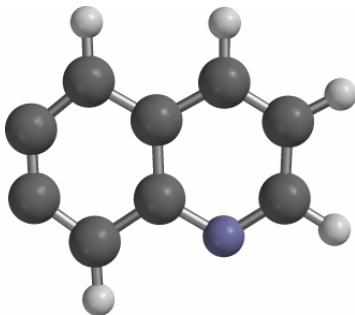
H	-1.201197	-2.336667	0.000000
C	-1.135608	-1.252019	0.000000
C	-0.901296	1.502667	0.000000
C	0.144137	-0.630327	0.000000
C	-2.299537	-0.477030	0.000000
C	-2.016859	0.905361	0.000000
C	0.296359	0.791082	0.000000
H	-3.287641	-0.922675	0.000000
N	1.638947	0.968889	0.000000
H	2.181486	1.822447	0.000000
N	2.291255	-0.225323	0.000000
N	1.395507	-1.191910	0.000000

SI-32a*

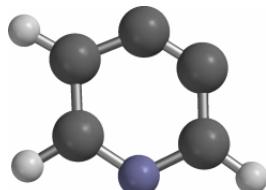
H	-1.073464	-2.576054	0.000000
C	-1.064525	-1.491452	0.000000
C	-1.021734	1.518893	0.000000
C	0.137880	-0.729426	0.000000
C	-2.132250	-0.612026	0.000000
C	-2.106075	0.661376	0.000000
C	0.143244	0.707793	0.000000
H	-1.019213	2.603821	0.000000
N	1.479171	0.989407	0.000000
H	1.949035	1.884334	0.000000
N	2.237014	-0.135338	0.000000
N	1.437344	-1.177655	0.000000

SI-83a*

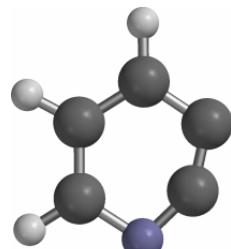
H	3.421433	-0.957880	0.000000
C	2.406995	-0.569440	0.000000
H	1.436229	-2.503503	0.000000
C	1.317640	-1.423601	0.000000
N	0.994543	1.407233	0.000000
C	0.027077	-0.855059	0.000000
C	2.191393	0.828622	0.000000
C	-0.103163	0.595836	0.000000
C	-1.245972	-1.453111	0.000000
H	3.044536	1.505292	0.000000
H	-1.395189	2.319465	0.000000
C	-2.365266	-0.868662	0.000000
C	-2.591561	0.526041	0.000000
H	-3.559658	1.015866	0.000000
C	-1.392749	1.232205	0.000000

SI-84a*

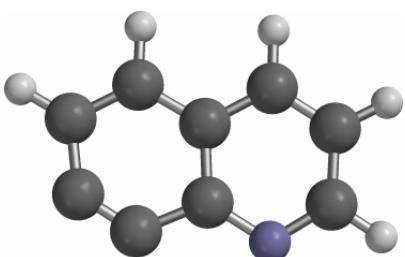
H	3.271940	-1.131364	0.000000
C	2.296301	-0.653846	0.000000
H	1.171091	-2.487769	0.000000
C	1.138790	-1.400146	0.000000
N	1.063535	1.436021	0.000000
C	-0.122730	-0.739851	0.000000
C	2.203460	0.763489	0.000000
C	-0.102404	0.714074	0.000000
C	-1.348082	-1.480392	0.000000
H	3.111857	1.364588	0.000000
H	-1.280325	2.562548	0.000000
C	-2.433026	-0.628221	0.000000
H	-1.358860	-2.566998	0.000000
C	-2.412234	0.644608	0.000000
C	-1.318389	1.478045	0.000000

SI-103a*

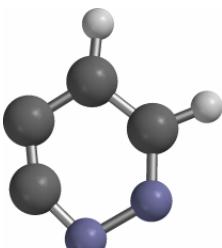
C	0.720372	-1.205981	0.000000
C	-0.692436	1.009838	0.000000
C	1.419443	0.009475	0.000000
C	-0.553363	-1.275485	0.000000
C	-1.430351	-0.204442	0.000000
N	0.646363	1.112700	0.000000
H	2.496415	0.135423	0.000000
H	-2.514834	-0.214756	0.000000
H	-1.241121	1.949351	0.000000

SI-104a*

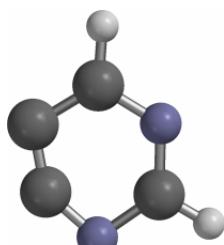
C	0.135020	-1.467994	0.000000
C	-0.350629	1.225328	0.000000
C	-0.936113	-0.793948	0.000000
C	1.272209	-0.633738	0.000000
C	0.972203	0.753169	0.000000
N	-1.454912	0.385054	0.000000
H	2.299871	-0.990614	0.000000
H	1.778153	1.481743	0.000000
H	-0.578136	2.287527	0.000000

SI-85a*

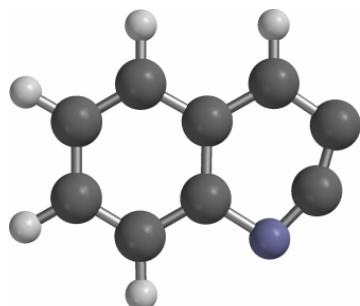
H	3.231628	-1.302361	0.000000
C	2.302512	-0.739726	0.000000
H	1.022397	-2.472204	0.000000
C	1.078975	-1.385641	0.000000
N	1.259351	1.451574	0.000000
C	-0.112960	-0.618255	0.000000
C	2.338649	0.673235	0.000000
C	0.057759	0.829482	0.000000
C	-1.410175	-1.233477	0.000000
H	3.296602	1.190828	0.000000
C	-2.592907	-0.496279	0.000000
H	-1.462199	-2.321059	0.000000
H	-3.571682	-0.964076	0.000000
C	-2.322568	0.883278	0.000000
C	-1.203254	1.468255	0.000000

SI-106a*

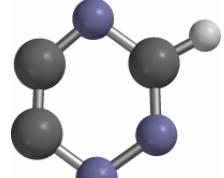
C	0.116289	-1.404991	0.000000
N	-0.306056	1.273672	0.000000
C	-0.985167	-0.774865	0.000000
C	1.271576	-0.636403	0.000000
C	0.925752	0.751779	0.000000
N	-1.438324	0.454903	0.000000
H	2.303124	-0.977847	0.000000
H	1.709926	1.505030	0.000000

SI-108a*

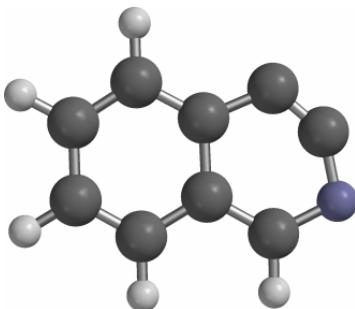
N	1.465652	-0.143376	0.000000
C	-1.319474	0.349505	0.000000
C	0.472197	-1.133533	0.000000
C	0.803134	0.955331	0.000000
C	-0.388384	1.408787	0.000000
N	-0.834596	-0.919175	0.000000
H	0.841244	-2.153556	0.000000
H	-2.399040	0.468337	0.000000

SI-112a*

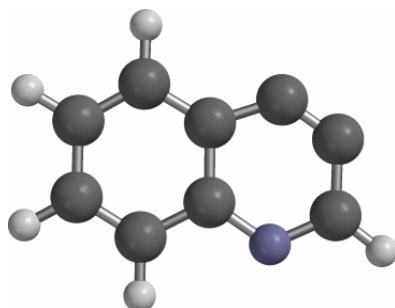
C	2.559472	0.680603	0.000000
H	1.355381	2.526840	0.000000
C	1.378479	1.435928	0.000000
N	1.353781	-1.468484	0.000000
C	0.135125	0.703528	0.000000
C	2.230093	-0.557601	0.000000
C	0.135237	-0.740320	0.000000
C	-1.122501	1.367243	0.000000
H	-1.038336	-2.544504	0.000000
C	-2.303566	0.646255	0.000000
H	-1.139870	2.455055	0.000000
H	-3.255904	1.169344	0.000000
C	-2.281831	-0.769603	0.000000
H	-3.217376	-1.322625	0.000000
C	-1.079991	-1.459180	0.000000

SI-110a*

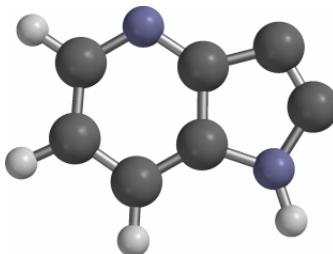
N	-0.553603	-1.111942	0.000000
N	-1.464305	-0.101897	0.000000
C	-0.791759	1.091335	0.000000
C	0.483504	1.190622	0.000000
N	1.440891	0.305620	0.000000
C	0.763208	-0.916136	0.000000
H	1.387129	-1.804126	0.000000

SI-111a*

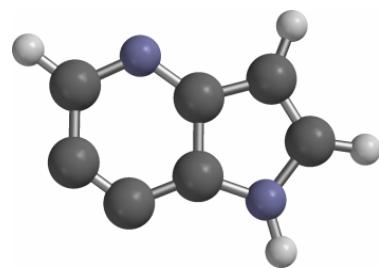
C	2.313636	0.660771	0.000000
C	1.330865	1.440043	0.000000
C	1.413085	-1.260175	0.000000
C	0.039197	0.848811	0.000000
N	2.612585	-0.626030	0.000000
C	0.137727	-0.605264	0.000000
C	-1.232564	1.467718	0.000000
H	-1.007371	-2.452983	0.000000
H	1.454495	-2.348756	0.000000
C	-2.375583	0.684366	0.000000
H	-1.292316	2.552363	0.000000
H	-3.352529	1.161111	0.000000
C	-2.292690	-0.730434	0.000000
H	-3.205492	-1.319810	0.000000
C	-1.063709	-1.366442	0.000000

SI-113a*

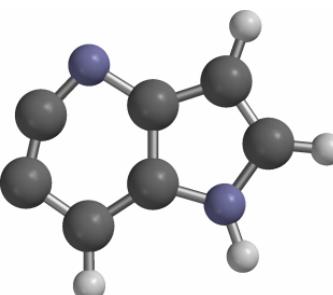
C	2.387743	0.846186	0.000000
C	1.269259	1.447167	0.000000
N	1.369392	-1.246593	0.000000
C	-0.001107	0.855399	0.000000
C	2.512557	-0.566988	0.000000
C	0.163566	-0.605221	0.000000
C	-1.291629	1.427268	0.000000
H	3.445267	-1.121979	0.000000
H	-0.901839	-2.475411	0.000000
C	-2.407064	0.603023	0.000000
H	-1.390727	2.508678	0.000000
H	-3.399898	1.045094	0.000000
C	-2.268782	-0.803997	0.000000
H	-3.156789	-1.430226	0.000000
C	-1.015740	-1.395200	0.000000

SI-115a*

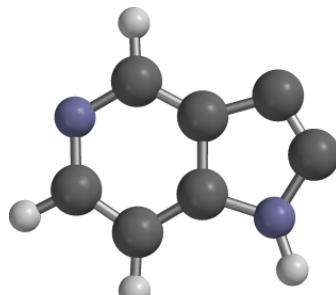
C	0.339501	-0.645280	0.000000
C	-1.975627	0.767295	0.000000
C	0.293755	0.803030	0.000000
C	-0.841026	-1.390373	0.000000
C	-2.019945	-0.643443	0.000000
N	-0.850809	1.495921	0.000000
H	-0.848762	-2.477507	0.000000
H	-2.983790	-1.144200	0.000000
H	-2.905685	1.331565	0.000000
C	1.685243	1.230281	0.000000
C	2.367229	0.149794	0.000000
N	1.688761	-1.035476	0.000000
H	2.048323	-1.978288	0.000000

SI-117a*

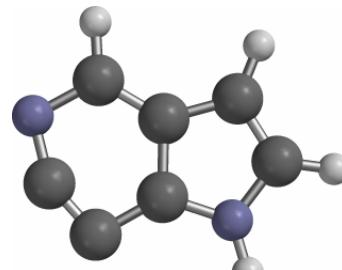
C	2.227114	0.608530	0.000000
H	3.161511	1.158031	0.000000
N	1.079066	1.297159	0.000000
C	2.096149	-0.803775	0.000000
C	0.990197	-1.437886	0.000000
C	-0.238209	-0.800630	0.000000
C	-0.101773	0.650291	0.000000
N	-1.566641	-1.096900	0.000000
H	-1.956691	-2.028009	0.000000
C	-2.295909	0.082665	0.000000
H	-3.376584	0.051842	0.000000
C	-1.438624	1.162726	0.000000
H	-1.726304	2.204595	0.000000

SI-116a*

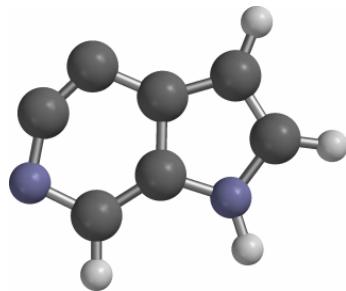
C	1.964899	0.583518	0.000000
N	1.080439	1.510583	0.000000
C	2.233267	-0.660412	0.000000
C	1.073369	-1.452255	0.000000
H	1.053328	-2.541814	0.000000
C	-0.113156	-0.669789	0.000000
C	-0.107234	0.776461	0.000000
N	-1.438175	-1.041106	0.000000
H	-1.774655	-1.992626	0.000000
C	-2.241381	0.079094	0.000000
H	-3.318948	-0.019585	0.000000
C	-1.458501	1.219590	0.000000
H	-1.809382	2.241414	0.000000

SI-119a*

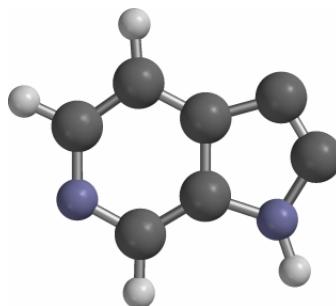
H	-0.875642	-2.457044	0.000000
C	-0.842816	-1.371005	0.000000
C	-0.929439	1.430638	0.000000
C	-2.014587	-0.614071	0.000000
C	0.346919	-0.641983	0.000000
C	0.324532	0.799123	0.000000
N	-2.074865	0.741562	0.000000
H	-2.976684	-1.121289	0.000000
H	-1.004885	2.516171	0.000000
N	1.694695	-1.045108	0.000000
H	2.043104	-1.991876	0.000000
C	1.713309	1.207976	0.000000
C	2.398679	0.126631	0.000000

SI-120a*

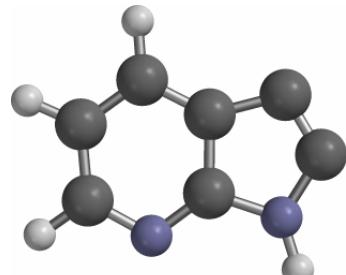
C	1.923626	0.652281	0.000000
C	1.012432	1.538231	0.000000
C	-0.175711	0.771799	0.000000
C	-0.114805	-0.679367	0.000000
N	-1.500685	1.116324	0.000000
H	-1.843766	2.066538	0.000000
C	-2.278940	-0.028079	0.000000
H	-3.358300	0.045164	0.000000
C	-1.471902	-1.145869	0.000000
H	-1.817990	-2.170319	0.000000
N	2.309546	-0.568439	0.000000
C	1.143764	-1.311100	0.000000
H	1.269194	-2.389815	0.000000

SI-123a*

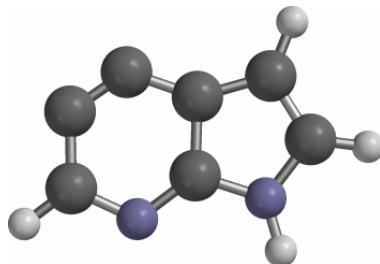
C	1.096523	-1.295296	0.000000
H	1.127091	-2.382711	0.000000
C	-0.116729	-0.577537	0.000000
C	-0.192119	0.873926	0.000000
N	-1.416476	-1.032021	0.000000
H	-1.701775	-2.000517	0.000000
C	-2.279985	0.039551	0.000000
H	-3.349743	-0.123899	0.000000
C	-1.569467	1.228271	0.000000
H	-1.995981	2.221253	0.000000
N	2.309556	-0.657472	0.000000
C	2.028537	0.623251	0.000000
C	1.093835	1.463752	0.000000

SI-122a*

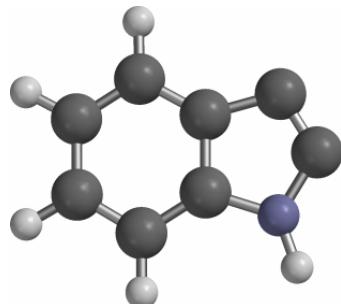
C	0.358726	-0.619923	0.000000
C	-2.050679	0.608652	0.000000
C	-0.829110	-1.361651	0.000000
C	0.329000	0.821428	0.000000
C	-0.930480	1.438626	0.000000
N	-2.017738	-0.749083	0.000000
H	-0.830145	-2.451092	0.000000
H	-1.035486	2.519462	0.000000
H	-3.046449	1.044968	0.000000
N	1.706076	-1.023635	0.000000
H	2.058136	-1.968995	0.000000
C	2.397229	0.153588	0.000000
C	1.717989	1.236988	0.000000

SI-125a*

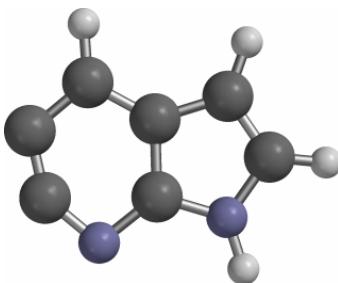
C	0.326964	-0.849598	0.000000
C	-1.907761	0.765937	0.000000
C	0.330703	0.601813	0.000000
C	-0.929403	-1.468649	0.000000
C	-2.051332	-0.635459	0.000000
N	-0.720867	1.400043	0.000000
H	-1.025282	-2.550686	0.000000
H	-3.050213	-1.061537	0.000000
H	-2.787586	1.404781	0.000000
N	1.676493	1.029401	0.000000
H	1.987162	1.990044	0.000000
C	1.718735	-1.224950	0.000000
C	2.389949	-0.132106	0.000000

SI-126a*

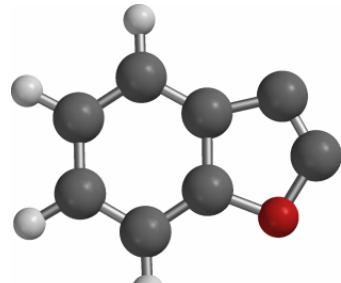
C	-0.101158	-0.556541	0.000000
C	-0.236517	0.893445	0.000000
N	-1.381237	-1.056939	0.000000
H	-1.601647	-2.042830	0.000000
C	-2.287217	-0.024904	0.000000
H	-3.349536	-0.227992	0.000000
C	-1.624114	1.193525	0.000000
H	-2.089121	2.168722	0.000000
N	1.018753	-1.289380	0.000000
C	2.198855	-0.647804	0.000000
H	3.103411	-1.245595	0.000000
C	2.135617	0.766700	0.000000
C	1.048834	1.427351	0.000000

SI-128a*

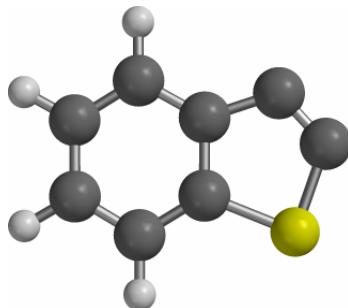
H	-0.933889	-2.564080	0.000000
C	-0.897625	-1.478386	0.000000
C	-0.819670	1.394956	0.000000
C	0.338848	-0.810885	0.000000
C	-2.066322	-0.717527	0.000000
C	-2.027640	0.694917	0.000000
C	0.355385	0.635061	0.000000
H	-3.030038	-1.219395	0.000000
H	-2.960614	1.252197	0.000000
H	-0.798664	2.482052	0.000000
C	1.734484	-1.207420	0.000000
C	2.410577	-0.121711	0.000000
N	1.703584	1.046185	0.000000
H	2.045310	1.994945	0.000000

SI-127a*

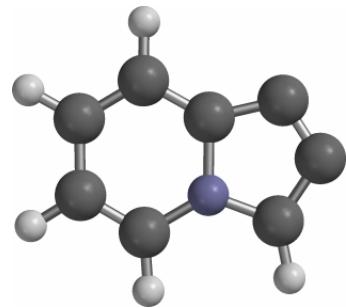
C	2.227482	0.595052	0.000000
C	1.128109	1.462288	0.000000
H	1.170424	2.549295	0.000000
C	-0.104181	0.749269	0.000000
C	-0.095467	-0.696466	0.000000
N	1.008040	-1.511833	0.000000
C	1.984373	-0.651225	0.000000
N	-1.394091	-1.123111	0.000000
H	-1.672748	-2.093866	0.000000
C	-1.487448	1.133359	0.000000
H	-1.884714	2.139000	0.000000
C	-2.235586	-0.025560	0.000000
H	-3.309066	-0.159572	0.000000

SI-129a*

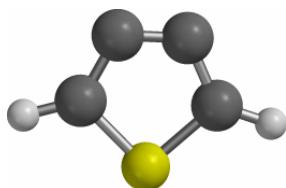
H	-0.744388	-2.485643	0.000000
C	-0.792873	-1.400958	0.000000
C	-0.887028	1.477231	0.000000
C	0.357652	-0.623360	0.000000
C	-2.007278	-0.705190	0.000000
C	-2.051374	0.704244	0.000000
C	0.346577	0.812714	0.000000
H	-2.937243	-1.266587	0.000000
H	-3.017417	1.201214	0.000000
H	-0.930789	2.562182	0.000000
C	1.756524	1.142899	0.000000
C	2.385669	0.032249	0.000000
O	1.676489	-1.116267	0.000000

SI-130a*

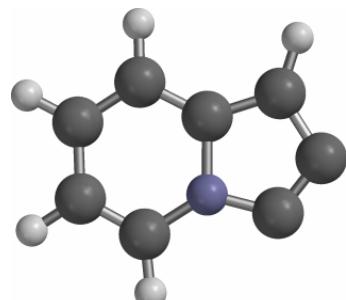
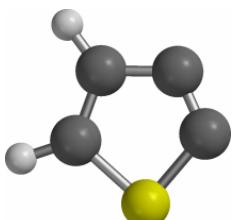
H	-0.701994	-2.495391	0.000000
C	-0.898957	-1.425824	0.000000
C	-1.429957	1.376086	0.000000
C	0.149530	-0.498081	0.000000
C	-2.206906	-0.938955	0.000000
C	-2.468500	0.446534	0.000000
C	-0.100437	0.917449	0.000000
H	-3.036096	-1.641210	0.000000
H	-3.497980	0.793908	0.000000
H	-1.633123	2.443190	0.000000
C	1.170505	1.598036	0.000000
C	2.178771	0.830331	0.000000
S	1.905277	-0.856389	0.000000

SI-142a*

C	2.040303	0.767700	0.000000
H	2.991109	1.290797	0.000000
C	0.851901	1.481949	0.000000
H	0.843259	2.567895	0.000000
C	2.008893	-0.651487	0.000000
H	2.929785	-1.225743	0.000000
C	0.817353	-1.337752	0.000000
H	0.737662	-2.419914	0.000000
N	-0.369870	-0.637245	0.000000
C	-0.378858	0.807369	0.000000
C	-1.751894	1.130502	0.000000
C	-2.456193	0.054424	0.000000
C	-1.677040	-1.112596	0.000000
H	-1.892243	-2.170393	0.000000

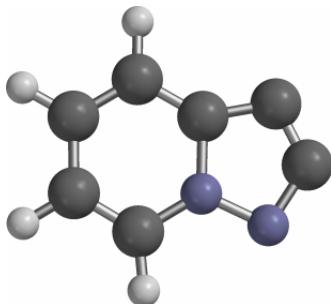
SI-132a*

C	0.643328	0.000000	1.410770
C	1.264269	0.000000	0.177883
H	2.302155	0.000000	-0.127276
C	-0.643328	0.000000	1.410770
C	-1.264269	0.000000	0.177883
H	-2.302155	0.000000	-0.127276
S	0.000000	0.000000	-1.014694

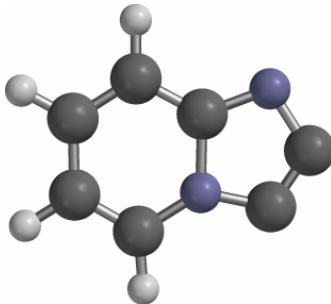
SI-143a***SI-133a***

C	1.126355	0.979625	0.000000
C	-0.113978	1.256184	0.000000
C	1.426462	-0.419338	0.000000
H	2.405041	-0.884052	0.000000
C	0.234712	-1.133671	0.000000
H	0.101862	-2.211987	0.000000
S	-1.170022	-0.072095	0.000000

C	2.018661	0.718914	0.000000
H	2.955915	1.266879	0.000000
C	0.820342	1.405727	0.000000
H	0.794138	2.492365	0.000000
C	2.035441	-0.706668	0.000000
H	2.973185	-1.251668	0.000000
C	0.865630	-1.422738	0.000000
H	0.805843	-2.505168	0.000000
N	-0.333289	-0.746396	0.000000
C	-0.405677	0.700345	0.000000
C	-1.782661	1.059324	0.000000
H	-2.161172	2.072665	0.000000
C	-2.482012	-0.178761	0.000000
C	-1.631025	-1.145795	0.000000

SI-148a*

C	2.016063	0.767368	0.000000
H	2.966859	1.291021	0.000000
C	0.832657	1.487707	0.000000
H	0.828809	2.573203	0.000000
C	1.993239	-0.651057	0.000000
H	2.918422	-1.217605	0.000000
C	0.804238	-1.344729	0.000000
H	0.698460	-2.423613	0.000000
N	-0.366232	-0.634173	0.000000
C	-0.398933	0.808236	0.000000
N	-1.616241	-1.205113	0.000000
C	-1.778426	1.071257	0.000000
C	-2.364607	-0.070192	0.000000

SI-157a*

C	1.986440	0.728046	0.000000
H	2.920064	1.282038	0.000000
C	0.784469	1.415969	0.000000
H	0.740797	2.500934	0.000000
C	2.016862	-0.691191	0.000000
H	2.961397	-1.224299	0.000000
C	0.854569	-1.427706	0.000000
H	0.809038	-2.510546	0.000000
N	-0.340564	-0.756495	0.000000
C	-0.429480	0.704732	0.000000
N	-1.722113	1.124117	0.000000
C	-2.427041	-0.062759	0.000000
C	-1.653591	-1.085462	0.000000

References

- ¹ *Spartan '06*; Wavefunction, Inc: Irvine, CA, 2006.
- ² a) S. E. Wheeler, A. Moran, S. N. Pieniazek and K. N. Houk, *J. Phys. Chem. A* **2009**, *113*, 10376. b) S. Grimme, *WIREs Comput. Mol. Sci.* **2011**, *1*, 211.
- ³ *Spartan '10*; Wavefunction, Inc: Irvine, CA, 2010.