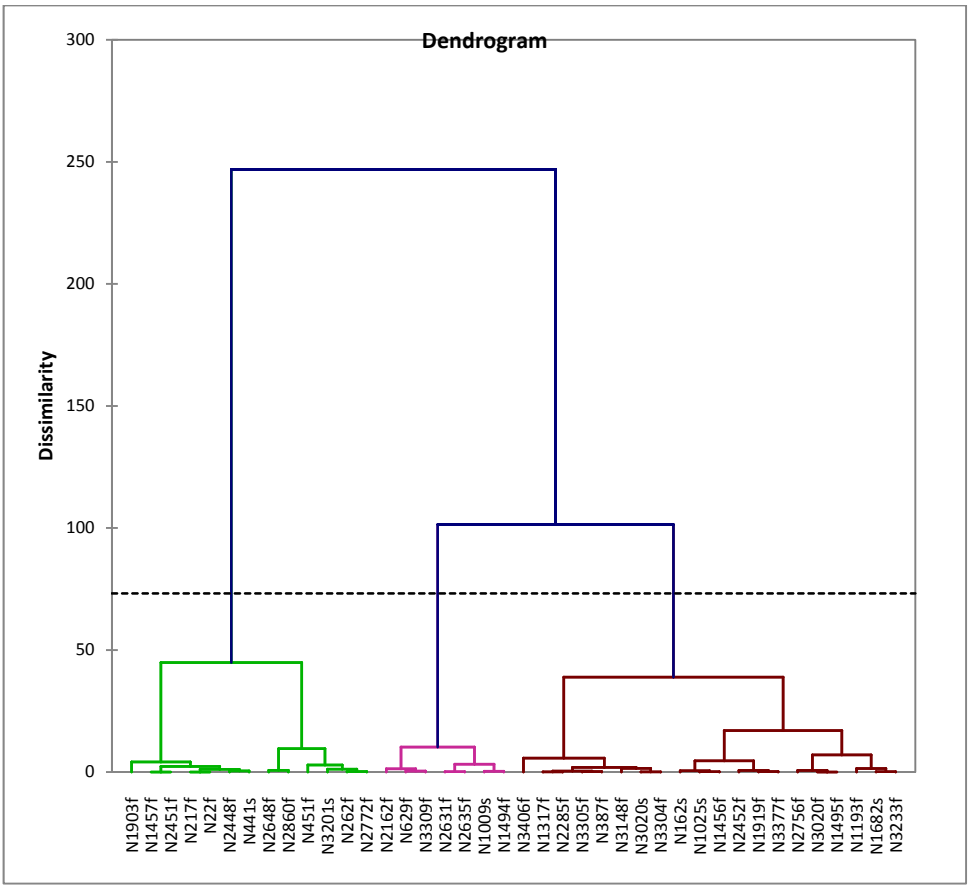
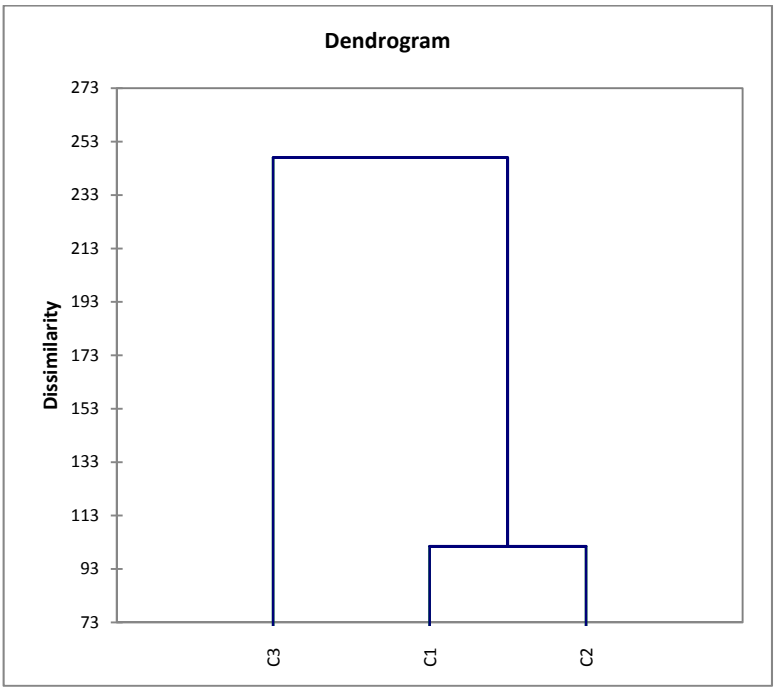
Appendix VIII. Cluster analysis results for the Neustadt foodcrust bulk isotopes.





Variance decomposition for the optimal classification:

	Absolute	Percent
Within-class	4.459	33.87%
Between-classes	8.707	66.13%
Total	13.166	100.00%

Class centroids:

Class	delta 13c	delta 15n
1	-19.524	9.306
2	-23.949	9.312
3	-27.292	6.485

Distances between the class centroids:

	1	2	3
1	0	4.424	8.264
2	4.424	0	4.378
3	8.264	4.378	0

Central objects:

Class	delta 13c	delta 15n
1 (N2635f)	-19.240	10.160
2 (N2452f)	-23.710	9.130
3 (N217f)	-26.580	5.780

Distances between the central objects:

	1 (N2635f)	2 (N2452f)	3 (N217f)
1 (N2635f)	0	4.587	8.548
2 (N2452f)	4.587	0	4.411
3 (N217f)	8.548	4.411	0

Results by class:

Class	1	2	3

Objects	7	20	13
Sum of weights	7	20	13
Within-class variance	2.635	4.292	5.636
Minimum distance to centroid	0.900	0.300	1.002
Average distance to centroid	1.461	1.827	2.043
Maximum distance to centroid	1.838	3.875	4.066
	N1009s	N1025s	N262f
	N629f	N1193f	N2648f
	N1494f	N1317f	N2772f
	N2162f	N1456f	N2860f
	N2631f	N162s	N3201s
	N2635f	N1682s	N1457f
	N3309f	N1919f	N1903f
		N2285f	N217f
		N2452f	N22f
		N2756f	N2448f
		N3020f	N2451f
		N3020s	N441s
		N3148f	N451f
		N3304f	
		N3305f	
		N3377f	
		N1495f	
		N3233f	
		N3406f	
		N387f	