

Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
Select Data	Select Variables	Select Filenames	Select Totalcounts	Select Samples

This tutorial contains navigation buttons that enable you to move throughout the tutorial.

Please use the navigation buttons and not the page up/page down or arrow keys to navigate through the tutorials.

This is the 'Next' button. It takes you to the next frame or stop point.



This is the 'Previous' button. It takes you to the previous frame or stop point.



This is the 'Go to frame' button. It takes you to a specified frame.



This is the 'Go to URL' button. It takes you to a website link.



Press the 'Next' button below to start this tutorial.



This tutorial will cover how to import the peak area table exported from the PHI Tofpak program.

I am not familiar with the table format from the current PHI software so I don't know if it will work with the spectra gui.



Shortcuts How to Add

Workspace

Name K39

Arial 10 B I U

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	m/z	m/z(nom)	6104	6105	6106	6104	6105	6106	8104	8105	8106	8104	8105
2													
3	12	12	1.36E+004	1.48E+004	1.22E+004	1.36E+004	1.48E+004	1.22E+004	3.13E+004	3.13E+004	3.18E+004	3.13E+004	3.13E+004
4	13.01	13	7.26E+004	7.77E+004	6.19E+004	7.26E+004	7.77E+004	6.19E+004	1.29E+005	1.30E+005	1.30E+005	1.29E+005	1.30E+005
5	14.02	14	2.46E+004	2.57E+004	2.27E+004	2.46E+004	2.57E+004	2.27E+004	5.18E+004	5.21E+004	5.19E+004	5.18E+004	5.21E+004
6	16	16	6.81E+003	7.00E+003	9.28E+003	6.81E+003	7.00E+003	9.28E+003	5.51E+003	5.66E+003	5.61E+003	5.51E+003	5.66E+003
7	24	24	1.60E+004	1.61E+004	1.46E+004	1.60E+004	1.61E+004	1.46E+004	2.88E+004	2.93E+004	2.92E+004	2.88E+004	2.93E+004
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	1.11E+005	1.12E+005	1.11E+005	1.11E+005	1.12E+005
9	26	26	3.07E+004	2.79E+004	2.79E+004	3.07E+004	2.79E+004	2.79E+004	2.66E+004	2.66E+004	2.63E+004	2.60E+004	2.66E+004
10	31.97	32	6.41E+004	6.41E+004	6.41E+004	6.41E+004	6.41E+004	6.41E+004	7.73E+004	7.73E+004	7.67E+004	7.68E+004	7.73E+004
11	32.98	33	8.34E+004	8.34E+004	8.34E+004	8.34E+004	8.34E+004	8.34E+004	1.22E+005	1.22E+005	1.22E+005	1.22E+005	1.22E+005
12	34.97	35	1.41E+004	1.41E+004	1.41E+004	1.41E+004	1.41E+004	1.41E+004	1.57E+004	1.57E+004	1.57E+004	1.55E+004	1.57E+004
13	61.99	62	7.02E+003	7.02E+003	7.02E+003	7.02E+003	7.02E+003	7.02E+003	4.87E+003	4.87E+003	4.37E+003	4.55E+003	4.87E+003
14	79.96	80	2.50E+004	2.50E+004	2.50E+004	2.50E+004	2.50E+004	2.50E+004	1.77E+004	1.77E+004	1.77E+004	1.76E+004	1.77E+004
15	95.95	96	1.42E+004	1.48E+004	1.35E+004	1.42E+004	1.48E+004	1.35E+004	3.63E+003	3.52E+003	3.48E+003	3.63E+003	3.52E+003
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	6.82E+003	6.85E+003	6.81E+003	6.82E+003	6.85E+003
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	8.31E+002	8.31E+002	7.54E+002	8.31E+002	8.31E+002
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	9.50E+001	8.80E+001	8.10E+001	9.50E+001	8.80E+001
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	5.30E+004	5.42E+004	5.32E+004	5.30E+004	5.42E+004
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	2.96E+004	3.03E+004	3.05E+004	2.96E+004	3.03E+004
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.49E+004	1.52E+004	1.56E+004	1.49E+004	1.52E+004
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	2.20E+004	2.26E+004	2.30E+004	2.20E+004	2.26E+004
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	2.10E+004	2.19E+004	2.18E+004	2.10E+004	2.19E+004
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	1.66E+004	1.73E+004	1.75E+004	1.66E+004	1.73E+004
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	9.33E+002	9.89E+002	1.00E+003	9.33E+002	9.89E+002
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	3.25E+002	3.63E+002	3.79E+002	3.25E+002	3.63E+002
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.58E+002	1.73E+002	1.65E+002	1.58E+002	1.73E+002
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006	2.09E+006	2.10E+006	2.04E+006	2.09E+006
29													
30													
31													
32													
33													

The PHI peak area table should look like this.

← →

Sheet1

Sheet 1 / 1 Default STD Sum=0 100%

Shortcuts How to Add

Workspace

Name

Arial 10 B I U

A1 \sum = m/z

	A	B	G	H	I	J	K	L	M
1	m/z	m/z	6105	6106	8104	8105	8106	8104	8105
2									
3	12	12	E+004	1.22E+004	3.13E+004	3.13E+004	3.18E+004	3.13E+004	3.13E+004
4	13.01	13	E+004	6.19E+004	1.29E+005	1.30E+005	1.30E+005	1.29E+005	1.30E+005
5	14.02	14	E+004	2.27E+004	5.18E+004	5.21E+004	5.19E+004	5.18E+004	5.21E+004
6	16	16	E+003	9.28E+003	5.51E+003	5.66E+003	5.61E+003	5.51E+003	5.66E+003
7	24	24	1.60E+004	1.61E+004	1.46E+004	1.60E+004	1.61E+004	1.46E+004	1.61E+004
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	5.93E+004
9	26	26	3.07E+004	2.79E+004	2.52E+004	3.07E+004	2.79E+004	2.52E+004	3.07E+004
10	31.97	32	6.41E+004	6.49E+004	5.73E+004	6.41E+004	6.49E+004	5.73E+004	6.41E+004
11	32.98	33	8.34E+004	8.71E+004	7.80E+004	8.34E+004	8.71E+004	7.80E+004	8.34E+004
12	34.97	35	1.41E+004	1.45E+004	1.53E+004	1.41E+004	1.45E+004	1.53E+004	1.41E+004
13	61.99	62	7.02E+003	7.94E+003	7.77E+003	7.02E+003	7.94E+003	7.77E+003	7.02E+003
14	79.96	80	2.50E+004	2.57E+004	2.32E+004	2.50E+004	2.57E+004	2.32E+004	2.50E+004
15	95.95	96	1.42E+004	1.48E+004	1.35E+004	1.42E+004	1.48E+004	1.35E+004	1.42E+004
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	2.01E+004
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	1.29E+004
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	1.66E+004
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	2.70E+004
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	1.86E+004
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.20E+004
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	1.15E+004
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	1.44E+004
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	8.84E+003
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	3.29E+004
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	1.58E+004
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.16E+004
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006
29									
30									
31									
32									
33									

The first column should be labelled m/z.

Current Directory Worksp

Command History

---\$-- 10/11/10

Sheet1

Navigation icons: back, forward, search, etc.

Sheet 1 / 1 Default STD Sum=0 100%

Shortcuts How to Add

Workspace

Name

Formula bar: B1 = m/z(nom)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	m/z	m/z(nom)						6106	8104	8105	8106	8104	8106
2													
3	12	12	1.36E+00					.22E+004	3.13E+004	3.13E+004	3.18E+004	3.13E+004	3.13E+00
4	13.01	13	7.26E+00					.19E+004	1.29E+005	1.30E+005	1.30E+005	1.29E+005	1.30E+00
5	14.02	14	2.46E+00					.27E+004	5.18E+004	5.21E+004	5.19E+004	5.18E+004	5.21E+00
6	16	16	6.81E+00					.28E+003	5.51E+003	5.66E+003	5.61E+003	5.51E+003	5.66E+00
7	24	24	1.60E+004	1.61E+004	1.46E+004	1.60E+004	1.61E+004	1.46E+004	2.88E+004	2.93E+004	2.92E+004	2.88E+004	2.93E+00
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	1.11E+005	1.12E+005	1.11E+005	1.11E+005	1.12E+00
9	26	26	3.07E+004	2.79E+004	2.52E+004	3.07E+004	2.79E+004	2.52E+004	2.60E+004	2.66E+004	2.63E+004	2.60E+004	2.66E+00
10	31.97	32	6.41E+004	6.49E+004	5.73E+004	6.41E+004	6.49E+004	5.73E+004	7.68E+004	7.73E+004	7.67E+004	7.68E+004	7.73E+00
11	32.98	33	8.34E+004	8.71E+004	7.80E+004	8.34E+004	8.71E+004	7.80E+004	1.22E+005	1.22E+005	1.22E+005	1.22E+005	1.22E+00
12	34.97	35	1.41E+004	1.45E+004	1.53E+004	1.41E+004	1.45E+004	1.53E+004	1.55E+004	1.57E+004	1.57E+004	1.55E+004	1.57E+00
13	61.99	62	7.02E+003	7.94E+003	7.77E+003	7.02E+003	7.94E+003	7.77E+003	4.55E+003	4.87E+003	4.37E+003	4.55E+003	4.87E+00
14	79.96	80	2.50E+004	2.57E+004	2.32E+004	2.50E+004	2.57E+004	2.32E+004	1.76E+004	1.77E+004	1.77E+004	1.76E+004	1.77E+00
15	95.95	96	1.42E+004	1.48E+004	1.35E+004	1.42E+004	1.48E+004	1.35E+004	3.63E+003	3.52E+003	3.48E+003	3.63E+003	3.52E+00
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	6.82E+003	6.85E+003	6.81E+003	6.82E+003	6.85E+00
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	8.31E+002	8.31E+002	7.54E+002	8.31E+002	8.31E+00
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	9.50E+001	8.80E+001	8.10E+001	9.50E+001	8.80E+00
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	5.30E+004	5.42E+004	5.32E+004	5.30E+004	5.42E+00
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	2.96E+004	3.03E+004	3.05E+004	2.96E+004	3.03E+00
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.49E+004	1.52E+004	1.56E+004	1.49E+004	1.52E+00
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	2.20E+004	2.26E+004	2.30E+004	2.20E+004	2.26E+00
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	2.10E+004	2.19E+004	2.18E+004	2.10E+004	2.19E+00
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	1.66E+004	1.73E+004	1.75E+004	1.66E+004	1.73E+00
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	9.33E+002	9.89E+002	1.00E+003	9.33E+002	9.89E+00
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	3.25E+002	3.63E+002	3.79E+002	3.25E+002	3.63E+00
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.58E+002	1.73E+002	1.65E+002	1.58E+002	1.73E+00
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006	2.09E+006	2.10E+006	2.04E+006	2.09E+00
29													
30													
31													
32													
33													

The second column should be labelled m/z(nom)



Toolbar with icons for file operations, editing, and formatting.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	m/z	m/z(nom)	6104						8104	8105	8106	8104	8104
2													
3	12	12	1.36E+004	1.48E+004					3.13E+004	3.13E+004	3.18E+004	3.13E+004	3.13E+004
4	13.01	13	7.26E+004	7.77E+004					1.29E+005	1.30E+005	1.30E+005	1.29E+005	1.30E+005
5	14.02	14	2.46E+004	2.57E+004					5.18E+004	5.21E+004	5.19E+004	5.18E+004	5.21E+004
6	16	16	6.81E+003	7.00E+003					5.51E+003	5.66E+003	5.61E+003	5.51E+003	5.66E+003
7	24	24	1.60E+004	1.61E+004	1.46E+004	1.60E+004	1.61E+004	1.46E+004	2.88E+004	2.93E+004	2.92E+004	2.88E+004	2.93E+004
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	1.11E+005	1.12E+005	1.11E+005	1.11E+005	1.12E+005
9	26	26	3.07E+004	2.79E+004	2.52E+004	3.07E+004	2.79E+004	2.52E+004	2.60E+004	2.66E+004	2.63E+004	2.60E+004	2.66E+004
10	31.97	32	6.41E+004	6.49E+004	5.73E+004	6.41E+004	6.49E+004	5.73E+004	7.68E+004	7.73E+004	7.67E+004	7.68E+004	7.73E+004
11	32.98	33	8.34E+004	8.71E+004	7.80E+004	8.34E+004	8.71E+004	7.80E+004	1.22E+005	1.22E+005	1.22E+005	1.22E+005	1.22E+005
12	34.97	35	1.41E+004	1.45E+004	1.53E+004	1.41E+004	1.45E+004	1.53E+004	1.55E+004	1.57E+004	1.57E+004	1.55E+004	1.57E+004
13	61.99	62	7.02E+003	7.94E+003	7.77E+003	7.02E+003	7.94E+003	7.77E+003	4.55E+003	4.87E+003	4.37E+003	4.55E+003	4.87E+003
14	79.96	80	2.50E+004	2.57E+004	2.32E+004	2.50E+004	2.57E+004	2.32E+004	1.76E+004	1.77E+004	1.77E+004	1.76E+004	1.77E+004
15	95.95	96	1.42E+004	1.48E+004	1.35E+004	1.42E+004	1.48E+004	1.35E+004	3.63E+003	3.52E+003	3.48E+003	3.63E+003	3.52E+003
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	6.82E+003	6.85E+003	6.81E+003	6.82E+003	6.85E+003
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	8.31E+002	8.31E+002	7.54E+002	8.31E+002	8.31E+002
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	9.50E+001	8.80E+001	8.10E+001	9.50E+001	8.80E+001
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	5.30E+004	5.42E+004	5.32E+004	5.30E+004	5.42E+004
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	2.96E+004	3.03E+004	3.05E+004	2.96E+004	3.03E+004
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.49E+004	1.52E+004	1.56E+004	1.49E+004	1.52E+004
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	2.20E+004	2.26E+004	2.30E+004	2.20E+004	2.26E+004
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	2.10E+004	2.19E+004	2.18E+004	2.10E+004	2.19E+004
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	1.66E+004	1.73E+004	1.75E+004	1.66E+004	1.73E+004
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	9.33E+002	9.89E+002	1.00E+003	9.33E+002	9.89E+002
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	3.25E+002	3.63E+002	3.79E+002	3.25E+002	3.63E+002
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.58E+002	1.73E+002	1.65E+002	1.58E+002	1.73E+002
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006	2.09E+006	2.10E+006	2.04E+006	2.09E+006
29													
30													
31													
32													
33													

The following columns should contain the filenames of the spectra.



Toolbar with icons for file operations, editing, and formatting. Includes a font dropdown set to 'Arial' and a size dropdown set to '10'. Bold, Italic, and Underline buttons are visible.

Name B29 Σ =

	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1	18104	18105	18106	18104	18105	18106						
2												
3	5.88E+004	5.91E+004	5.86E+004	5.88E+004	5.91E+004	5.86E+004						
4	1.75E+005	1.75E+005	1.75E+005	1.75E+005	1.75E+005	1.75E+005						
5	7.38E+004	7.39E+004	7.48E+004	7.38E+004	7.39E+004	7.48E+004						
6	5.27E+003	5.25E+003	5.42E+003	5.27E+003	5.25E+003	5.42E+003						
7	4.20E+004	4.19E+004	4.23E+004	4.20E+004	4.19E+004	4.23E+004						
8	1.54E+005	1.54E+005	1.56E+005	1.54E+005	1.54E+005	1.56E+005						
9	1.14E+004	1.14E+004	1.17E+004	1.14E+004	1.14E+004	1.17E+004						
10	4.16E+004	4.15E+004	4.24E+004	4.16E+004	4.15E+004	4.24E+004						
11	9.55E+004	9.57E+004	9.74E+004	9.55E+004	9.57E+004	9.74E+004						
12	7.44E+003	7.43E+003	7.89E+003	7.44E+003	7.43E+003	7.89E+003						
13	3.27E+003	3.30E+003	3.53E+003	3.27E+003	3.30E+003	3.53E+003						
14	8.07E+003	8.70E+003	9.00E+003	8.07E+003	8.70E+003	9.00E+003						
15	1.11E+003	1.11E+003	1.22E+003	1.11E+003	1.11E+003	1.22E+003						
16	2.59E+003	2.70E+003	2.84E+003	2.59E+003	2.70E+003	2.84E+003						
17	1.91E+002	1.83E+002	2.24E+002	1.91E+002	1.83E+002	2.24E+002						
18	1.83E+002	1.46E+002	1.21E+002	1.83E+002	1.46E+002	1.21E+002						
19	1.37E+005	1.36E+005	1.41E+005	1.37E+005	1.36E+005	1.41E+005						
20	3.41E+004	3.47E+004	3.69E+004	3.41E+004	3.47E+004	3.69E+004						
21	6.67E+003	6.91E+003	7.42E+003	6.67E+003	6.91E+003	7.42E+003						
22	1.93E+004	1.96E+004	2.11E+004	1.93E+004	1.96E+004	2.11E+004						
23	1.76E+004	1.82E+004	1.97E+004	1.76E+004	1.82E+004	1.97E+004						
24	2.46E+004	2.50E+004	2.73E+004	2.46E+004	2.50E+004	2.73E+004						
25	6.14E+002	6.20E+002	6.52E+002	6.14E+002	6.20E+002	6.52E+002						
26	5.09E+002	5.35E+002	5.61E+002	5.09E+002	5.35E+002	5.61E+002						
27	9.60E+001	1.06E+002	1.21E+002	9.60E+001	1.06E+002	1.21E+002						
28	2.13E+006	2.15E+006	2.23E+006	2.13E+006	2.15E+006	2.23E+006						
29												
30												
31												
32												
33												

This is what the far end of the table should look like.

← →

Sheet1

Navigation toolbar with icons for navigation, search, and other spreadsheet functions.

Sheet 1 / 1 Default STD Sum=0 100%

Toolbar with icons for file operations, editing, and formatting. Includes a font dropdown set to 'Arial' and a size dropdown set to '10'.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	m/z	m/z(nom)											
2													
3	12												
4	13.01	13											
5	14.02	14											
6	16	16											
7	24	24											
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	1.11E+005	1.12E+005	1.11E+005	1.11E+005	1.12E+005
9	26	26	3.07E+004	2.79E+004	2.52E+004	3.07E+004	2.79E+004	2.52E+004	2.60E+004	2.66E+004	2.63E+004	2.60E+004	2.66E+004
10	31.97	32	6.41E+004	6.49E+004	5.73E+004	6.41E+004	6.49E+004	5.73E+004	7.68E+004	7.73E+004	7.67E+004	7.68E+004	7.73E+004
11	32.98	33	8.34E+004	8.71E+004	7.80E+004	8.34E+004	8.71E+004	7.80E+004	1.22E+005	1.22E+005	1.22E+005	1.22E+005	1.22E+005
12	34.97	35	1.41E+004	1.45E+004	1.53E+004	1.41E+004	1.45E+004	1.53E+004	1.55E+004	1.57E+004	1.57E+004	1.55E+004	1.57E+004
13	61.99	62	7.02E+003	7.94E+003	7.77E+003	7.02E+003	7.94E+003	7.77E+003	4.55E+003	4.87E+003	4.37E+003	4.55E+003	4.87E+003
14	79.96	80	2.50E+004	2.57E+004	2.32E+004	2.50E+004	2.57E+004	2.32E+004	1.76E+004	1.77E+004	1.77E+004	1.76E+004	1.77E+004
15	95.95	96	1.42E+004	1.48E+004	1.35E+004	1.42E+004	1.48E+004	1.35E+004	3.63E+003	3.52E+003	3.48E+003	3.63E+003	3.52E+003
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	6.82E+003	6.85E+003	6.81E+003	6.82E+003	6.85E+003
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	8.31E+002	8.31E+002	7.54E+002	8.31E+002	8.31E+002
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	9.50E+001	8.80E+001	8.10E+001	9.50E+001	8.80E+001
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	5.30E+004	5.42E+004	5.32E+004	5.30E+004	5.42E+004
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	2.96E+004	3.03E+004	3.05E+004	2.96E+004	3.03E+004
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.49E+004	1.52E+004	1.56E+004	1.49E+004	1.52E+004
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	2.20E+004	2.26E+004	2.30E+004	2.20E+004	2.26E+004
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	2.10E+004	2.19E+004	2.18E+004	2.10E+004	2.19E+004
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	1.66E+004	1.73E+004	1.75E+004	1.66E+004	1.73E+004
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	9.33E+002	9.89E+002	1.00E+003	9.33E+002	9.89E+002
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	3.25E+002	3.63E+002	3.79E+002	3.25E+002	3.63E+002
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.58E+002	1.73E+002	1.65E+002	1.58E+002	1.73E+002
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006	2.09E+006	2.10E+006	2.04E+006	2.09E+006
29													
30													
31													
32													
33													

This row should be blank.

Current Directory Worksp

Command History

---\$-- 10/11/10

Sheet navigation and editing tools including arrows, a pencil icon, and a text tool icon.

Toolbar with icons for file operations, editing, and formatting. Includes a font dropdown set to 'Arial' and a size dropdown set to '10'.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	m/z	m/z(nom)	6104	6105	6106	6104	6105	6106	8104	8105	8106	8104	8105
2													
3	12	12	1.36E+004	1.48E+004	1.22E+004	1.36E+004	1.48E+004	1.22E+004	3.13E+004	3.13E+004	3.18E+004	3.13E+004	3.13E+004
4	13.01	13	7.26E+004	7.77E+004	6.19E+004	7.26E+004	7.77E+004	6.19E+004	1.29E+005	1.30E+005	1.30E+005	1.29E+005	1.30E+005
5	14.02	14	2.46E+004	2.57E+004	2.27E+004	2.46E+004	2.57E+004	2.27E+004	5.18E+004	5.21E+004	5.19E+004	5.18E+004	5.21E+004
6	16	16	6.81E+003	7.00E+003	9.28E+003	6.81E+003	7.00E+003	9.28E+003	5.51E+003	5.66E+003	5.61E+003	5.51E+003	5.66E+003
7	24	24	1.60E+004	1.61E+004	1.46E+004	1.60E+004	1.61E+004	1.46E+004	2.88E+004	2.93E+004	2.92E+004	2.88E+004	2.93E+004
8	25.01	25	5.93E+004	6.03E+004	5.54E+004	5.93E+004	6.03E+004	5.54E+004	1.11E+005	1.12E+005	1.11E+005	1.11E+005	1.12E+005
9	26	26	3.07E+004	2.79E+004					3.00E+004	2.66E+004	2.63E+004	2.60E+004	2.66E+004
10	31.97	32	6.41E+004	6.41E+004					6.8E+004	7.73E+004	7.67E+004	7.68E+004	7.73E+004
11	32.98	33	8.34E+004	8.34E+004					8.2E+005	1.22E+005	1.22E+005	1.22E+005	1.22E+005
12	34.97	35	1.41E+004	1.41E+004					1.5E+004	1.57E+004	1.57E+004	1.55E+004	1.57E+004
13	61.99	62	7.02E+003	7.02E+003					7.5E+003	4.87E+003	4.37E+003	4.55E+003	4.87E+003
14	79.96	80	2.50E+004	2.50E+004					2.6E+004	1.77E+004	1.77E+004	1.76E+004	1.77E+004
15	95.95	96	1.42E+004	1.42E+004					1.3E+003	3.52E+003	3.48E+003	3.63E+003	3.52E+003
16	96.96	97	2.01E+004	1.95E+004	1.61E+004	2.01E+004	1.95E+004	1.61E+004	6.82E+003	6.85E+003	6.81E+003	6.82E+003	6.85E+003
17	124.99	125	1.29E+004	1.39E+004	1.17E+004	1.29E+004	1.39E+004	1.17E+004	8.31E+002	8.31E+002	7.54E+002	8.31E+002	8.31E+002
18	165.06	165	1.66E+004	1.74E+004	1.54E+004	1.66E+004	1.74E+004	1.54E+004	9.50E+001	8.80E+001	8.10E+001	9.50E+001	8.80E+001
19	196.97	197	2.70E+004	2.61E+004	3.23E+004	2.70E+004	2.61E+004	3.23E+004	5.30E+004	5.42E+004	5.32E+004	5.30E+004	5.42E+004
20	228.94	229	1.86E+004	1.80E+004	2.11E+004	1.86E+004	1.80E+004	2.11E+004	2.96E+004	3.03E+004	3.05E+004	2.96E+004	3.03E+004
21	260.91	261	1.20E+004	1.13E+004	1.45E+004	1.20E+004	1.13E+004	1.45E+004	1.49E+004	1.52E+004	1.56E+004	1.49E+004	1.52E+004
22	261.92	262	1.15E+004	1.15E+004	1.49E+004	1.15E+004	1.15E+004	1.49E+004	2.20E+004	2.26E+004	2.30E+004	2.20E+004	2.26E+004
23	425.9	426	1.44E+004	1.29E+004	1.71E+004	1.44E+004	1.29E+004	1.71E+004	2.10E+004	2.19E+004	2.18E+004	2.10E+004	2.19E+004
24	426.91	427	8.84E+003	8.25E+003	1.17E+004	8.84E+003	8.25E+003	1.17E+004	1.66E+004	1.73E+004	1.75E+004	1.66E+004	1.73E+004
25	431.11	431	3.29E+004	3.76E+004	5.17E+004	3.29E+004	3.76E+004	5.17E+004	9.33E+002	9.89E+002	1.00E+003	9.33E+002	9.89E+002
26	511	511	1.58E+004	1.47E+004	2.36E+004	1.58E+004	1.47E+004	2.36E+004	3.25E+002	3.63E+002	3.79E+002	3.25E+002	3.63E+002
27	745.15	745	1.16E+004	1.27E+004	2.19E+004	1.16E+004	1.27E+004	2.19E+004	1.58E+002	1.73E+002	1.65E+002	1.58E+002	1.73E+002
28	Spectrum	Total	1.34E+006	1.35E+006	1.50E+006	1.34E+006	1.35E+006	1.50E+006	2.04E+006	2.09E+006	2.10E+006	2.04E+006	2.09E+006
29													
30													
31													
32													
33													

This file should be saved as a tab delimited text file and saved in the active Matlab folder.

Current Directory Worksp

Command History

---> 10/11/10

Sheet1

Sheet 1 / 1 Default STD Sum=0 100%



Workspace



Name

Name

Current Directory Workspace

Command History

----> 10/11/10 2:0

To import the file, from the 'Data Pre-Processing' menu choose -> 'Import Data' -> 'Physical Electronics'.



Panel

Other analysis unless you specify otherwise. Information you want to use in your analysis.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
Select Data	Select Variables	Select Filenames	Select Totalcounts	Select Samples



Shortcuts [How to Add](#)

Workspace



Name



Current Directory Workspace

Command History

```
----> 10/11/10 2:0
```

Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix <input type="text" value="Select Data"/>	Name of Variable Matrix <input type="text" value="Select Variables"/>	Name of Filename Matrix <input type="text" value="Select Filenames"/>	Name of Totalcounts Matrix <input type="text" value="Select Totalcounts"/>	Name of Samplenames Matrix <input type="text" value="Select Samples"/>
--	---	---	--	--

PHI Data import (Tofpak Output)

Name of .txt. file

Number of Files in Data Set

Import Data

Help

Close Panel

Enter the name of the file here including the .txt extension.



Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix <input type="text" value="Select Data"/>	Name of Variable Matrix <input type="text" value="Select Variables"/>	Name of Filename Matrix <input type="text" value="Select Filenames"/>	Name of Totalcounts Matrix <input type="text" value="Select Totalcounts"/>	Name of Samplenames Matrix <input type="text" value="Select Samples"/>
---	--	--	---	---

PHI Data import (Tofpak Output)

Name of .txt. file

Number of Files in Data Set

Enter the number of files included in the data table here.



Workspace area with icons for file operations and a list of variables.

```
----> 10/11/10 2:0
```

Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix <input type="text" value="Select Data"/>	Name of Variable Matrix <input type="text" value="Select Variables"/>	Name of Filename Matrix <input type="text" value="Select Filenames"/>	Name of Totalcounts Matrix <input type="text" value="Select Totalcounts"/>	Name of Samplenames Matrix <input type="text" value="Select Samples"/>
---	--	--	---	---

PHI Data import (Tofpak Output)

Name of .txt. file

Number of Files in Data Set

Press the 'Import Data' button.



Shortcuts How to Add

Workspace



Name
data
exactmass
filenames
nommass
totalcounts

Current Directory Workspace

Command History

```
----%-- 10/11/10 2:0
```

Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix <input type="text" value="Select Data"/>	Name of Variable Matrix <input type="text" value="Select Variables"/>	Name of Filename Matrix <input type="text" value="Select Filenames"/>	Name of Totalcounts Matrix <input type="text" value="Select Totalcounts"/>	Name of Samplenames Matrix <input type="text" value="Select Samples"/>
---	--	--	---	---

The data is loaded into the Matlab workspace and into the respective drop down menus of the spectragui.



42

Import Data

Help

Close Panel



Workspace

Name

- data
- exactmass
- filenames
- labels
- nommass
- totalcounts

Current Directory

Command History

```

>> spectragui
  
```

Raw Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
Select Data	Select Variables	Select Filenames	Select Totalcounts	Select Samples

That's it for this tutorial.

Press the green button on the left to go back to the previous step. Press the button the right to go back to the beginning of the tutorial.

← →