

Formula	C21H18O11
Ionization	type [M-H]- ~
Charge	1
m/z tolera	ince 0.002 m/z or 3 ppm
	OK Cancel
Type of plot Resample	d data v
Raw data files Neg_G5.mz	XML As selected in main window
Scans MS level: 1	Set filters Clear filters
Scans MS level: 1 m/z 445.0745	Set filters Clear filters - 445.0786 Auto range OK Cancel

Scan number	-		
Base Filtering Integer			
Retention time	10 - 22	min. Auto ra	nge
MS level	1		
Scan definition			
Polarity	- ~		
Spectrum type	Any ~ Include only spectra of this type)e	
	OK Cancel		



	in time and mass ranges
Please set ranges	for axes X
Retention time	
Auto range	
Minimum	15.00
Maximum	17.00
Auto tick size	
Tick size	0.10
m/z	
Auto range	
Minimum	445.0300
Maximum	445.1300
Auto tick size	
Tick size	0.0050
ОК Ар	oply Cancel



	Select // and	masses
Scan number Base Filtering Integer Retention time MS level Scan definition		
Polarity Spectrum type	Any V OK Cancel	Noise level 1e2 Scale level 5 Wavelet window size (%) 30 %
Raw data files Scans Mass detector Mass list name	6 selected As selected in main window MS level: 1 Set filters Clear filters Centroid masses	OK Cancel Help
Output netCDF filename	o (optional)	

 Project
 Raw data methods
 Feature list methods
 Visualization
 Tools
 Windows
 Help

 Image: Display of the state intervence in

builder					
First set t	he retention time range				
Scan number	· · · · · · · · · · · · · · · · · · ·				
Base Filtering Integer					
Retention time	10 - 22 min. Auto range				
MS level	1				
Scan definition					
Polarity					
Spectrum type	Any ~				
	OK Cancel				

Setting the parameters					
Raw data files	6 selected As selected in ma	ain window	➤ 1		
Scans	- 22.00 min. Set filters	Clear filters			
Mass list	masses	Choose			
Min group size in # of scans	5				
Group intensity threshold	1e2				
Min highest intensity	1e2				
m/z tolerance	.005 m/z or 5	ppm			
Suffix	chromatograms				
ADAP Module Disclaimer: If you use the ADAP Chror Myers OD, Sumner SJ, Li S Compound Identifications f Extracted	natogram Builder Module, pl S. Barnes S. Du X: One Step rom Mass Spectrometry Metr	ease cite the <u>MZmir</u> Forward for Reduci abolomics Data: New	<u>ne2 paper</u> and the fol ng False Positive and v Algorithms for Co	lowing article: <u>I False Negative</u> astructing	
	OK	Cancel Help			





Set	ting parameters for deconvolution
S/N threshold	5
S/N estimator	Intensity window SN V
min feature height	100
coefficient/area threshold	30
Peak duration range	0.018
RT wavelet range	0.01 - 0.30
	Show preview
ADAP Module Disclaim If you use the ADAP Ch article: <u>Myers OD, Sumner SJ, J</u> <u>Compound Identification</u> <u>Extracted</u> <u>Ion Chromatograms and</u> <u>10.1021/acs analchem 71</u>	er: romatogram Deconvolution Module, please cite the <u>MZmine2 paper</u> and the following Li S. Barnes S. Du X: One Step Forward for Reducing False Positive and False Negative is from Mass Spectrometry Metabolomics Data: New Algorithms for Constructing Detecting Chromatographic Peaks. Anal Chem 2017, DOI: b00947
	OK Cancel Help







Isotope grouping				
Feature lists	6 selected As selected in main window v			
Name suffix	deisotoped			
m/z tolerance	.005 m/z or 10 ppm			
Retention time tolerance	0.5 absolute (min) ~			
Monotonic shape				
Maximum charge	1			
Representative isotope	Most intense ~			
Remove original peaklist				
	OK Cancel Help			













OWS									
ID:		m/z:		RT:		Identi	ty:	Com	ment
ID	Aver	age	Identify	Commont	Dook chappa		Neg_C4.mzXML		
ID.	m/z	RT	Identity	Comment	Peak shape	Status	Height	Area	Status
1	427.1796	18.84				•	2.4E5	2.1E6	٠
2	283.0826	14.80				٠	1.6E5	1.2E6	٠
3	411.1264	11.12				•	1.3E5	8.4E5	٠
4	144.0468	17.13				•	1.3E5	1.2E6	•
5	341.1242	16.78				•	1.2E5	9.6E5	•
6	187.0077	15.14				•	1.1E5	1.2E6	٠
7	567.1694	14.73				•	1.1E5	5.3E5	٠
8	275.0956	18.67				•	8.4E4	6.7E5	٠
9	361.2011	20.27				•	8.3E4	7.0E5	٠
10	291.0911	17.07				•	7.5E4	6.6E5	٠
11	441.1583	15.09					6.7E4	4.7E5	٠
12	823.2590	11.12				•	6.5E4	3.0E5	•
13	443.1738	13.67				•	6.5E4	5.8E5	•
		112121				-			-



Table ordered to ions found in **Genistein-treated samples** Average Peak Hap Neg_C4 m2XML Neg_C5 m2XML Neg_C6 m2XML Neg_C6.mzXML Neg_G5.mzXML ID 4 3.4E5 • • 3.6E5 187.0077 15.14 1.1E5 3.6E4 8.0E4 8.7E5 3.6E4 8.7E4 1.2E6 9.1E5 5.1E4 4.9E5 5 2E4 2.5E5 1.6E5 1.2E6 1.6E5 3 2E4 2.5E5 2.6E4 2.1E5 9.8E4 • 361.2011 20.27 8.3E4 7.0E5 1.1E6 **2**.6E4 1.2E5 5.3E4 2.2E5 • 1.1E5 291.0911 17.07 7.6E4 6.6E5 7.2E5 • 1.8E4 • 2.9E4 2.7E5 8.6E4 4 0E4 2 8E5 8 0E4 6 5E5 1 1E4 5 4E4 6 4E5 2 4E4 1 6E5 6 3E4 2.0E4 1.5E5 3.0E4 2.1E5 • 186,1147 17,80 6.3E4 4.5E5 319.1221 18.43 5.8E4 3.6E5 2.4E4 7.6E5 1.1E4 1.5E5 2.6E4 • . 3.1E5 ALC C7E4 ALC 6.1ES 3.7E4 2.8E5 6.9E4 5.0E5 1.3E5 1.1E4 6.6E4 2.1E4 1.4E5 4.0E5 1.7E4 1.2E5 3.1E4 2.0E5 • 178.0520 13.20 5.8E4 4.1E5 • 404.1913 13.32 . 5.7E4 3.4E5 291.0906 16.43 5.7E4 4.4E5 4.164 2.465 9.964 8.765 2.2c4 3.564 2.565 1.365 1.065 6.164 4.565 1.065 9.665 4.764 2.464 1.765 5.164 2.165 2.764 3.164 2.265 2.464 1.865 3.964 4.164 5.363 4.464 3.65 3.964 • 1.5E5 1.6E5 216.1249 16.53 . 5.6E4 4.0E5 2.8E4 2.1E5 . 2.2E4 3.8E4 2.5E5 • 7.7E5 3.6E5 537,2321 18,45 4.8E4 3.0E5 1.5E4 1.0E5 • 23 275.0967 18.18 4.3E4 3.4E5 3.0E4 1.5E5 ٠ 1.4E4 8.9E4 ۲ ٠ • 2.2E5 2.5E4 1.2E5 242 1402 14 90 3.5E4 1.9E5 2.7E4 1.9E5 • 3.1E4 2.2E5 2.4c+ 1.3E4 1.0E5 5.8E4 5.1E5 2.4E4 1.7E5 •__ 421.1353 13.04 3.4E4 1.9E5 2 7E5 2.9E4 2.1E5 ٠ 3.2E4 2.1E5 1.3E4 9.7E4 4.0E4 2.6E5 172.0987 15.72 3.2E4 2.5E5 1.5E4 1.2E5 34 • • 375.1304 13.03 ٠ 3.1E4 2.0E5 3.6E4 3.1E4 2.0E5 2.1E4 1.9E5 • 1.6E5 • 1.7E5 2.8E4 2.6E5 39 212.0033 13.36 • 3.0E4 3.1E5 1.6E4 1.9E4 2.5E4 2.6E5 204.0674 16.06 2.7E4 2.4E5 • 2.5E4 2.3E5 🔴 2.3E4 1.9E5 ٠ 1.6E4 1.4E5 • 1.7E4 1.4E5 • 2.1E4 1.8E5 43 ٠ 2.7E4 1.1E5 🔴 44 415.1969 19.14 • 1.5E4 1.1E5 3.9E4 2.4E5 1.1E4 6.1E4 6.1E3 2.1E4 1.1E4 7.4E4 317.1238 14.46 • 2.4E4 1.8E5 ٠ 3.8E4 2.3E5 ٠ 1.9E4 1.3E5 ٠ 1.8E4 8.6E4 • 1.4E4 8.9E4 46

Feature lists	Aligned feature list Specific feature lists
Filename	Class_neg_1 last
Field separator	,
Export common elements	Export row ID All Export row m/z Export row retention time Export row identity (main ID) Export row identity (all IDs) Export row identity (main ID + details) Export row comment v
Export data file elements	Peak RT end Peak duration time Peak height Peak charge Peak charge Peak duta points Peak FWHM
Export quantitation results and other information	



