

## Vion Unifi 1.8.2 Investigate Mode Elemental Composition















3e5-

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### 🚮 My Work UNIFI Package Export 11 -**:::** ▼ 📥 training UV Nov 23, 2016... 🗙 Review Investigate Report 🖛 🔿 🔻 Home 🕨 Spectral Analysis 🏢 👼 🕶 💠 Item name: test Channel name: 2: Average Time 2.2529 min : HD TOF MSe (50-1000) 6eV ESI+ : Centroided : Combined Item description: 8.28e5 8e5 Selected data: 331.95702 329.95891 7e5 Results 🗸 3 Predicted m/z m/z error Composition i-FIT Confidence (%) m/z RMS (PPM) Intensity RMS (%) 6e5 C12H9BrFNO2S 28.265800 0.485489 From drop down you can 2.527244 329.959417 C12H6CI3N3O2 18.972386 1.423428 4.822629 329.959836 -11 get elemental composition2H11BrFNP2 12.372729 4,445155 5.062737 329,960690 4 5e5 C11H7BrF2N3P 8.593609 2.809144 5.601852 329,960179 5 C10H3BrF3N5 5.462471 1.212455 6.229747 329.959669 -1 [Counts] 6 C15H8BrNOS 5.220636 2.943201 6.767377 329.958274 Intensity 7 C11H8BrNO6 4.628315 4.795753 329.960776 4e5 6.177112 8 C11H9CI3F2NP 3.458190 5.448667 7.017792 329.957902 9 C10H5CI3F3N3 2.018619 7.020057 7.695701 329.957391 10 C10H13CI2NOS3 0.788541 3.949951 16.086219 329.960908 3e5 11 C9H7CI3FN3O3 0.715214 4.195810 9.405878 329.960979 -5 12 C9H10BrF2NO3S 0.689583 3.860844 9.056010 329.960560 13 C10H10Cl2FNO252 0.417822 3.259786 329.958680 18.799034 14 C9H7BrF3NO4 0.362388 2.690226 10.760100 329.958332 2e5 15 C7H4BrN7O4 0.347532 3.691361 10.772137 329,958091 16 C7H12BrN3O3S2 0.299819 5,300519 10.802890 329,957622 17 332.95954 C6H5BrN9OP 0.235821 5.361724 11.787227 329.961082 330.96226 100000 18 C6H13BrN5PS2 0.220027 3.701045 11.759636 329.960613 4 327.24945 19 C10H12Cl2FNP2S 0.207110 1.767301 22.299793 329.959953 326.37712 333,95530 324.25333 325.21053 20 C13H9CI2NOS2 0.203087 6.449415 23.298264 329.957537 -329.19358 335.29767 4 • 324 334 326 328 330 332 336 () Start Observed mass [m/z]

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### **Elemental Composition from Investigate**

| Spectra   | 🗐 🗟 🗸 💠                                 | Select/View Analysis                                      |  |  |  |
|---|---|---|--|--|--|
| Item name: test Channel name: 2: Average Time 2.2529 min : HD TOF MSe (50-1000) 6eV ESI+ : Centroided |   | Oracline.   |  |  |  |
| item descri   | 8.28e5                                  | Operations  |  |  |  |
| 8e5   |   | Elemental composition                                     |  |  |  |
|   | 331.95702<br>329.95891                  | Selected data:  |  |  |  |
|   |   |   |  |  |  |
| 7e5   |   |   |  |  |  |
|   |   |   |  |  |  |
|   |   | Advanced -  |  |  |  |
| 6e5   |   |   |  |  |  |
|   |   | Selected elements: C.H.N.O.P.S.F. Select elements         |  |  |  |
|   |   | Selected adduct: +H Select adduct                         |  |  |  |
| 5e5   |   | Total adducts charge: 1                                   |  |  |  |
| ints]   |   | Electron state:   |  |  |  |
| y [Cot  |   | Minimum DBE: -1.5   |  |  |  |
| 4e5   |   | Maximum DBE: 50   |  |  |  |
| 1   | Select a peak                           | OT INTEREST<br>Number of isotopes before/selected peak: 0 |  |  |  |
| 3e5   | set the respec                          | tive ber of isotopes to use: 3                            |  |  |  |
|   | parameters ar                           | d Strantule.  |  |  |  |
|   |   |   |  |  |  |
| 2e5   |   | ✓ Use multi-atom filter                                   |  |  |  |
|   |   |   |  |  |  |
|   |   |   |  |  |  |
| 100000  | 330.96226 332.95954                     |   |  |  |  |
|   | 326.37712 327.24945 333.95530           |   |  |  |  |
|   | 324.25333 325.21053 329.19358 335.29767 |   |  |  |  |
| 0   | <mark>I , ,,,,,,,,,,,,,</mark>          |   |  |  |  |
|   | Observed mass [m/z]                     | () Start  |  |  |  |

Poschner, Bernhard [Administrator]



|    | Results 🔻     |                      |               |                   |               |                 | (              | Ć |
|----|---------------|----------------------|---------------|-------------------|---------------|-----------------|----------------|---|
|    | Composition   | i-FIT Confidence (%) | m/z RMS (PPM) | Intensity RMS (%) | Predicted m/z | m/z error (PPM) | m/z error (mDa | • |
| 1  | C9H9BrN5PS    | 10.369674            | 5.593200      | 0.904269          | 329.957242    | 5.070970        | 1.6681         |   |
| 2  | C11H8BrNO6    | 10.079793            | 5.592455      | 1.911720          | 329.960776    | -5.673626       | -1.8663        |   |
| 3  | C10H3BrF3N5   | 9.710929             | 2.081564      | 2.600679          | 329.959669    | -2.307588       | -0.7590        |   |
| 4  | C11H9CI3F2NP  | 8.657239             | 4.691561      | 3.169564          | 329.957902    | 3.064990        | 1.0082         |   |
| 5  | C10H8BrF4NS   | 8.467439             | 6.224048      | 1.940497          | 329.956972    | 5.891004        | 1.9378         |   |
| 6  | C11H7BrF2N3P  | 8.070964             | 3.627996      | 3.104649          | 329.960179    | -3.859192       | -1.2694        |   |
| 7  | C10H5CI3F3N3  | 7.485479             | 6.256426      | 3.353595          | 329.957391    | 4.616595        | 1.5186         |   |
| 8  | C8H2CI3N9     | 6.992738             | 7.240700      | 3.355763          | 329.957151    | 5.348165        | 1.7592         |   |
| 9  | C12H6BrF2NO3  | 5.801215             | 5.291670      | 3.751791          | 329.957189    | 5.232326        | 1.7211         |   |
| 10 | C12H11BrFNP2  | 5.712658             | 5.236848      | 3.919725          | 329.960690    | -5.410796       | -1.7798        |   |
| 11 | C12H9BrFNO2S  | 3.975318             | 1.284036      | 4.464690          | 329.959417    | -1.540716       | -0.5068        |   |
| 12 | C9H10BrF2NO3S | 2.778192             | 4.682913      | 4.506031          | 329.960560    | -5.014948       | -1.6496        |   |
| 13 | C12H6CI3N3O2  | 2.242041             | 1.969456      | 6.278371          | 329.959836    | -2.815126       | -0.9260        |   |
| 14 | C9H7BrF3NO4   | 1.048893             | 1.868986      | 6.276701          | 329.958332    | 1.758095        | 0.5783         |   |
| 15 | C7H4BrN7O4    | 0.999904             | 2.979098      | 6.290435          | 329.958091    | 2.489665        | 0.8189         |   |
| 16 | C7H12BrN3O3S2 | 0.652293             | 4.537529      | 6.908732          | 329.957622    | 3.915214        | 1.2879         |   |
| 17 | C6H13BrN5PS2  | 0.372045             | 4.570798      | 7.858683          | 329.960613    | -5.176304       | -1.7027        |   |
| 18 | C7H14BrN3OP2S | 0.304366             | 0.799774      | 8.167526          | 329.958895    | 0.045134        | 0.0148         |   |
| 19 | C7H4BrF4N5O   | 0.286651             | 5.465825      | 8.365676          | 329.960812    | -5.781819       | -1.9019        |   |
| 20 | C5HBrFN11O    | 0.286612             | 4.763309      | 8.379583          | 329.960571    | -5.050249       | -1.6612        | Ŧ |
| 4  |               |                      |               |                   |               |                 | •              |   |

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