

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\  
 Data File : BM014335.D  
 Acq On : 23 Feb 2018 17:44  
 Operator : SJ/JU  
 Sample : J1631-20  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE608

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.105       | 17            | 20          | 24           | rBV5     | 24974          | 34231         | 1.24%           | 0.114%        |
| 2         | 6.722       | 629           | 635         | 652          | rBV      | 353086         | 740805        | 26.89%          | 2.460%        |
| 3         | 6.881       | 656           | 662         | 676          | rBV      | 290441         | 487066        | 17.68%          | 1.617%        |
| 4         | 7.063       | 687           | 693         | 706          | rBV      | 426162         | 704237        | 25.56%          | 2.338%        |
| 5         | 7.528       | 765           | 772         | 785          | rBV      | 378877         | 671236        | 24.36%          | 2.229%        |
| 6         | 8.245       | 886           | 894         | 910          | rBV2     | 490319         | 924214        | 33.54%          | 3.069%        |
| 7         | 8.687       | 962           | 969         | 983          | rBV      | 438523         | 786316        | 28.54%          | 2.611%        |
| 8         | 9.404       | 1085          | 1091        | 1103         | rBV2     | 356139         | 689648        | 25.03%          | 2.290%        |
| 9         | 9.934       | 1176          | 1181        | 1196         | rBV      | 466401         | 940667        | 34.14%          | 3.123%        |
| 10        | 10.298      | 1235          | 1243        | 1252         | rBV      | 576382         | 974172        | 35.36%          | 3.235%        |
| 11        | 10.457      | 1263          | 1270        | 1287         | rBV      | 374953         | 877969        | 31.86%          | 2.915%        |
| 12        | 13.604      | 1798          | 1805        | 1810         | rBV      | 1198867        | 1654973       | 60.06%          | 5.495%        |
| 13        | 13.651      | 1810          | 1813        | 1832         | rVB      | 497258         | 758125        | 27.51%          | 2.517%        |
| 14        | 13.874      | 1844          | 1851        | 1861         | rBV      | 1243153        | 1886168       | 68.46%          | 6.263%        |
| 15        | 14.086      | 1882          | 1887        | 1892         | rBV2     | 22500          | 31036         | 1.13%           | 0.103%        |
| 16        | 14.180      | 1896          | 1903        | 1920         | rBV2     | 846170         | 1361083       | 49.40%          | 4.519%        |
| 17        | 14.445      | 1942          | 1948        | 1965         | rBV3     | 168919         | 553076        | 20.07%          | 1.836%        |
| 18        | 14.992      | 2035          | 2041        | 2043         | rBV3     | 21308          | 28448         | 1.03%           | 0.094%        |
| 19        | 15.027      | 2043          | 2047        | 2054         | rVB2     | 155565         | 259174        | 9.41%           | 0.861%        |
| 20        | 15.186      | 2067          | 2074        | 2083         | rBV      | 1570943        | 2264740       | 82.20%          | 7.520%        |
| 21        | 15.339      | 2094          | 2100        | 2111         | rBV2     | 361772         | 659919        | 23.95%          | 2.191%        |
| 22        | 15.439      | 2111          | 2117        | 2124         | rVB7     | 31589          | 70553         | 2.56%           | 0.234%        |
| 23        | 15.910      | 2193          | 2197        | 2205         | rBV2     | 74084          | 124089        | 4.50%           | 0.412%        |
| 24        | 16.710      | 2328          | 2333        | 2336         | rBV2     | 38235          | 46709         | 1.70%           | 0.155%        |
| 25        | 16.939      | 2365          | 2372        | 2383         | rBV      | 1187986        | 1666625       | 60.49%          | 5.534%        |
| 26        | 17.039      | 2383          | 2389        | 2406         | rVB2     | 1668272        | 2483877       | 90.15%          | 8.248%        |
| 27        | 17.851      | 2522          | 2527        | 2532         | rBV2     | 136886         | 209543        | 7.61%           | 0.696%        |
| 28        | 19.145      | 2743          | 2747        | 2753         | rBV8     | 41622          | 68963         | 2.50%           | 0.229%        |
| 29        | 19.345      | 2775          | 2781        | 2798         | rBV      | 1859526        | 2755320       | 100.00%         | 9.149%        |
| 30        | 20.868      | 3036          | 3040        | 3047         | rBV4     | 138614         | 253858        | 9.21%           | 0.843%        |
| 31        | 21.150      | 3083          | 3088        | 3096         | rBV      | 1099858        | 1645277       | 59.71%          | 5.463%        |
| 32        | 23.180      | 3427          | 3433        | 3444         | rVB2     | 1125156        | 2101627       | 76.28%          | 6.978%        |
| 33        | 23.321      | 3451          | 3457        | 3468         | rVB      | 651040         | 1300376       | 47.20%          | 4.318%        |
| 34        | 23.809      | 3537          | 3540        | 3547         | rVB7     | 63478          | 102460        | 3.72%           | 0.340%        |

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Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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Title : SVOA CALIBRATION

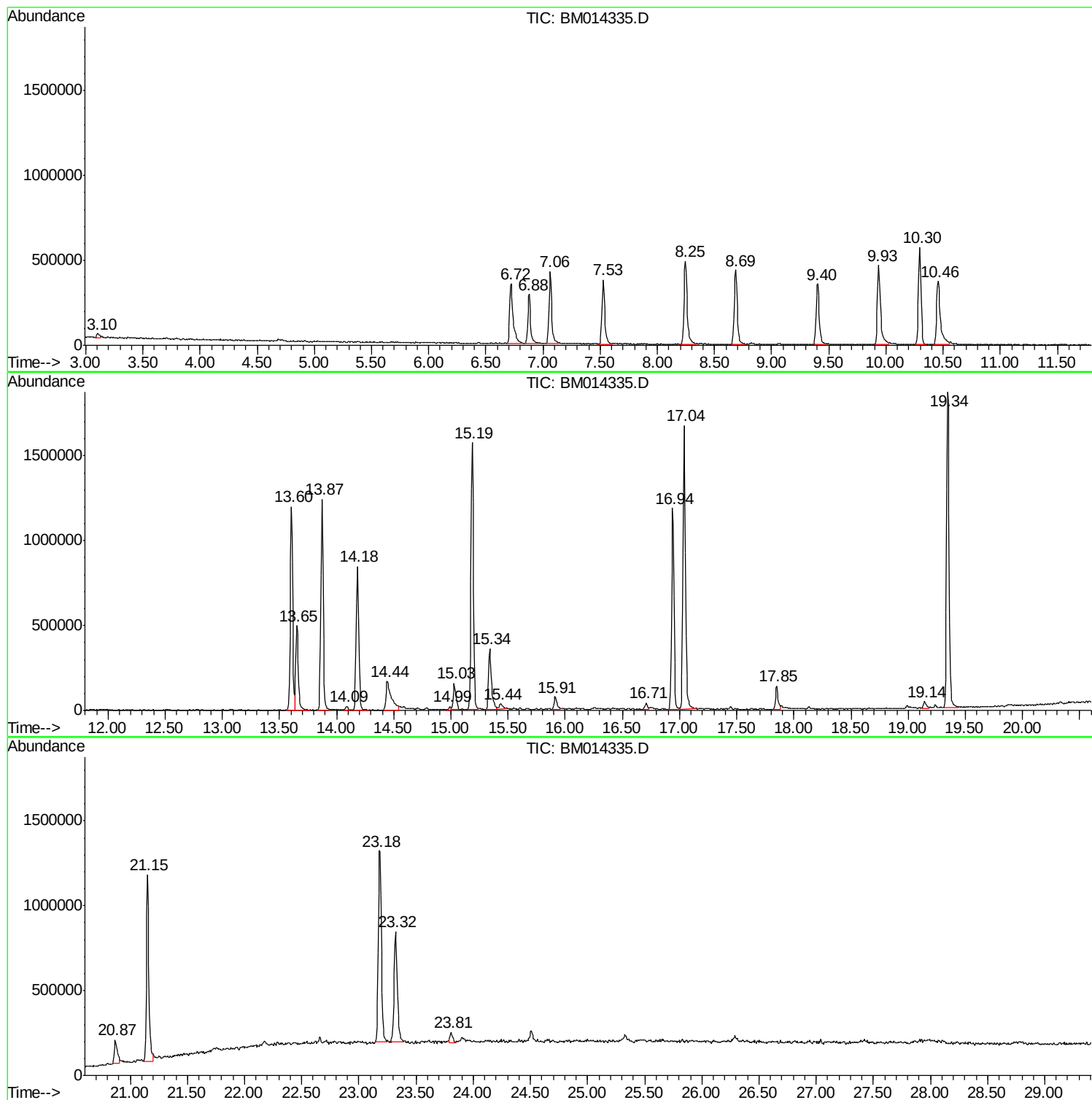
Sum of corrected areas: 30116580

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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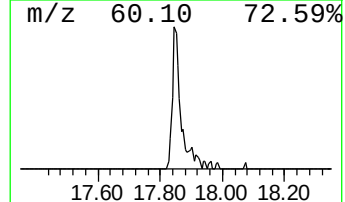
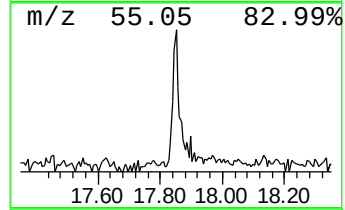
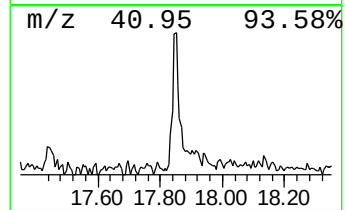
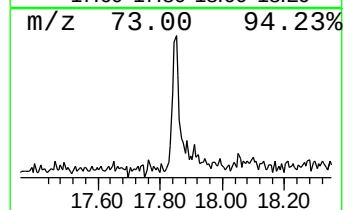
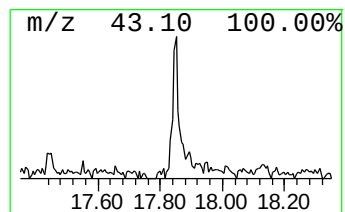
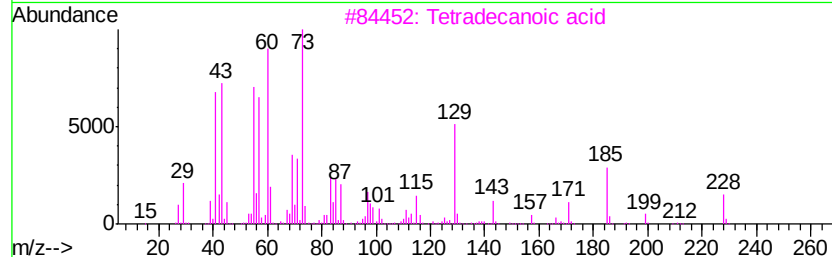
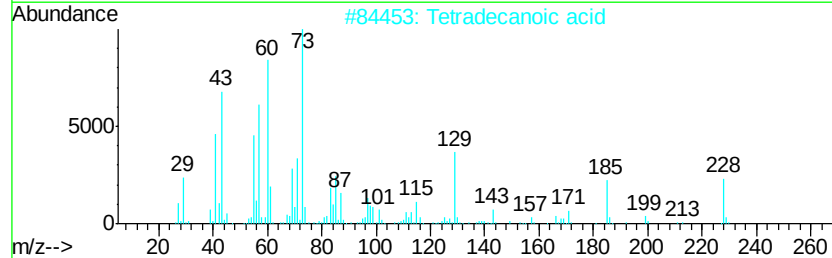
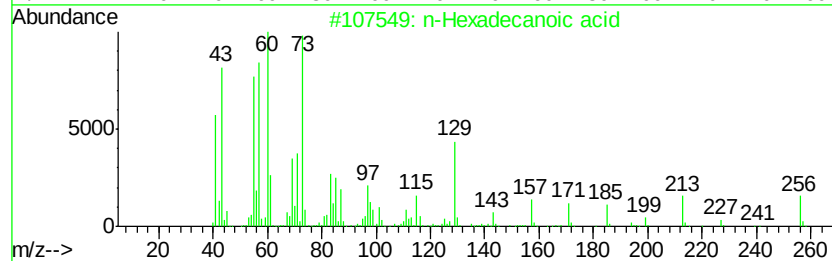
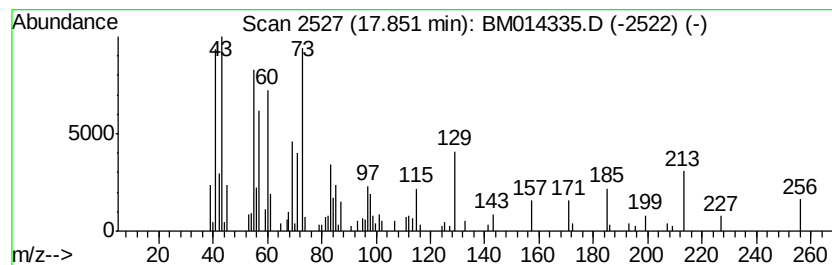
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.           |
|---------|------------|---------------------|------------------|----------------|
| 17.85   | 2.51 ng/ul | 209543              | Phenanthrene-d10 | 16.94          |
| Hit# of | 5          | Tentative ID        | MW MolForm       | CAS# Qual      |
| 1       |            | n-Hexadecanoic acid | 256 C16H32O2     | 000057-10-3 96 |
| 2       |            | Tetradecanoic acid  | 228 C14H28O2     | 000544-63-8 64 |
| 3       |            | Tetradecanoic acid  | 228 C14H28O2     | 000544-63-8 58 |
| 4       |            | Tetradecanoic acid  | 228 C14H28O2     | 000544-63-8 52 |
| 5       |            | Tridecanoic acid    | 214 C13H26O2     | 000638-53-9 47 |



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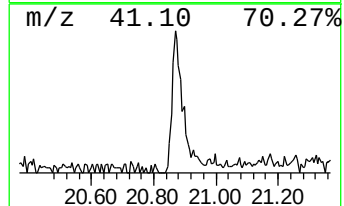
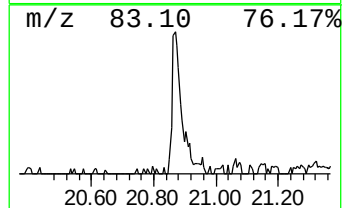
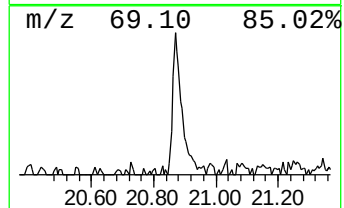
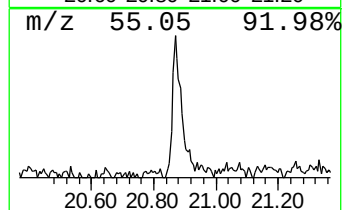
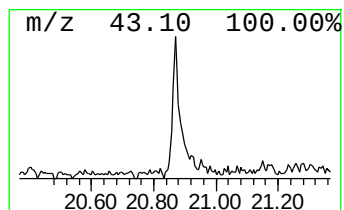
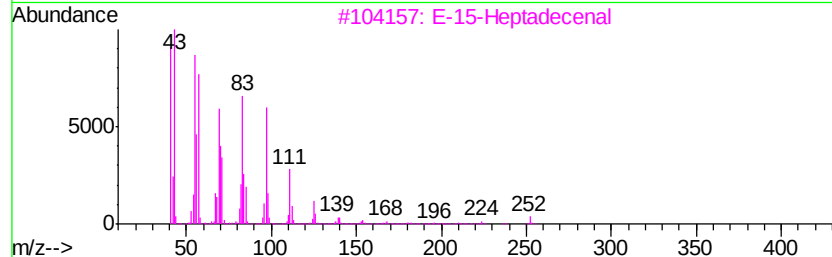
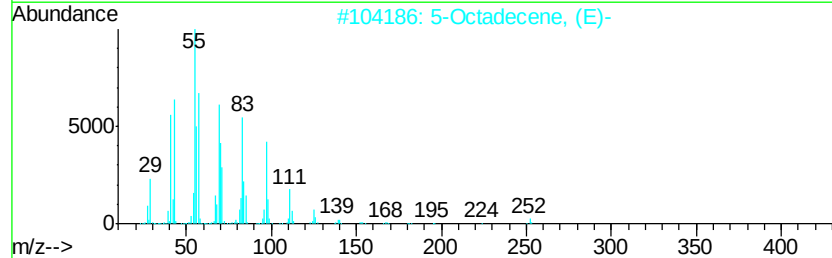
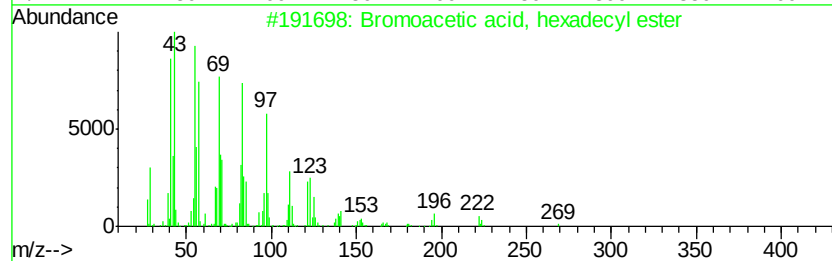
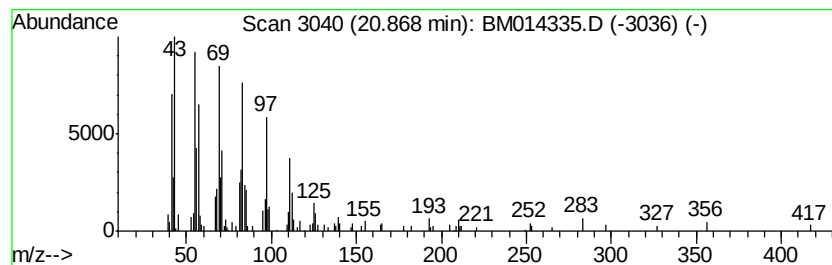
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Peak Number 2 Bromoacetic acid, hexadecyl... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.87 | 3.09 ng/ul | 253858 | Chrysene-d12     | 21.15 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm    | CAS#         | Qual |
|---------|---|-----------------------------------|-----|------------|--------------|------|
| 1       |   | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8  | 91   |
| 2       |   | 5-Octadecene, (E)-                | 252 | C18H36     | 007206-21-5  | 90   |
| 3       |   | E-15-Heptadecenal                 | 252 | C17H32O    | 1000130-97-9 | 86   |
| 4       |   | 3-Octadecene, (E)-                | 252 | C18H36     | 007206-19-1  | 83   |
| 5       |   | 1-Pentadecene                     | 210 | C15H30     | 013360-61-7  | 81   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.85 | 2.5     | ng/ul | 209543   | 4                     | 16.94 | 1666630 | 20.0 |
| Bromoacetic acid,... | 20.87 | 3.1     | ng/ul | 253858   | 5                     | 21.15 | 1645280 | 20.0 |