

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\  
 Data File : BM013367.D  
 Acq On : 13 Dec 2017 11:15  
 Operator : SJ/JU  
 Sample : I6779-06  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A89

## 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-BM113017.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.493    | 66         | 69       | 74        | rBV   | 50787       | 77403      | 1.40%        | 0.134%     |
| 2      | 6.863    | 635        | 642      | 654       | rVB   | 803771      | 1383727    | 25.10%       | 2.397%     |
| 3      | 7.028    | 664        | 670      | 679       | rVB   | 634685      | 955472     | 17.33%       | 1.655%     |
| 4      | 7.222    | 693        | 703      | 712       | rBV   | 844798      | 1350000    | 24.49%       | 2.339%     |
| 5      | 7.686    | 773        | 782      | 789       | rBV   | 724991      | 1147968    | 20.83%       | 1.989%     |
| 6      | 8.392    | 895        | 902      | 911       | rBV   | 1091954     | 1740117    | 31.57%       | 3.015%     |
| 7      | 8.839    | 971        | 978      | 986       | rBV   | 872792      | 1445717    | 26.23%       | 2.505%     |
| 8      | 9.551    | 1092       | 1099     | 1109      | rBV   | 756850      | 1235534    | 22.41%       | 2.141%     |
| 9      | 10.086   | 1183       | 1190     | 1202      | rBV   | 1134489     | 1894340    | 34.37%       | 3.282%     |
| 10     | 10.463   | 1247       | 1254     | 1261      | rBV   | 997528      | 1633443    | 29.63%       | 2.830%     |
| 11     | 10.604   | 1270       | 1278     | 1288      | rBV   | 1016487     | 1760140    | 31.93%       | 3.050%     |
| 12     | 13.745   | 1805       | 1812     | 1816      | rBV   | 2024414     | 2873529    | 52.13%       | 4.979%     |
| 13     | 13.786   | 1816       | 1819     | 1826      | rVB   | 670990      | 895306     | 16.24%       | 1.551%     |
| 14     | 14.015   | 1852       | 1858     | 1869      | rVB   | 2342251     | 3434938    | 62.32%       | 5.951%     |
| 15     | 14.327   | 1904       | 1911     | 1920      | rBV2  | 1535902     | 2339572    | 42.44%       | 4.054%     |
| 16     | 14.539   | 1940       | 1947     | 1963      | rBV   | 777334      | 1301207    | 23.61%       | 2.255%     |
| 17     | 15.321   | 2073       | 2080     | 2087      | rBV   | 2844201     | 4137450    | 75.06%       | 7.169%     |
| 18     | 15.451   | 2095       | 2102     | 2114      | rBV   | 803282      | 1111598    | 20.17%       | 1.926%     |
| 19     | 16.051   | 2200       | 2204     | 2211      | rBV3  | 40614       | 64402      | 1.17%        | 0.112%     |
| 20     | 17.074   | 2372       | 2378     | 2384      | rBV2  | 2100667     | 3011479    | 54.63%       | 5.218%     |
| 21     | 17.174   | 2388       | 2395     | 2406      | rVB2  | 3385502     | 4729660    | 85.80%       | 8.195%     |
| 22     | 17.980   | 2527       | 2532     | 2542      | rBV2  | 264403      | 404311     | 7.33%        | 0.701%     |
| 23     | 19.109   | 2719       | 2724     | 2728      | rBV   | 45390       | 69312      | 1.26%        | 0.120%     |
| 24     | 19.262   | 2745       | 2750     | 2757      | rBV4  | 141069      | 211834     | 3.84%        | 0.367%     |
| 25     | 19.474   | 2780       | 2786     | 2792      | rBV   | 4082045     | 5512188    | 100.00%      | 9.551%     |
| 26     | 20.986   | 3038       | 3043     | 3051      | rBV   | 668732      | 891048     | 16.17%       | 1.544%     |
| 27     | 21.268   | 3085       | 3091     | 3097      | rBV   | 2888300     | 3551304    | 64.43%       | 6.153%     |
| 28     | 22.321   | 3266       | 3270     | 3274      | rBV4  | 53307       | 83807      | 1.52%        | 0.145%     |
| 29     | 23.356   | 3438       | 3446     | 3457      | rVB2  | 2660650     | 5095839    | 92.45%       | 8.829%     |
| 30     | 23.491   | 3462       | 3469     | 3477      | rVB   | 1646684     | 3002663    | 54.47%       | 5.202%     |
| 31     | 24.021   | 3557       | 3559     | 3567      | rVB6  | 90736       | 131983     | 2.39%        | 0.229%     |
| 32     | 24.109   | 3570       | 3574     | 3581      | rVB8  | 114234      | 238631     | 4.33%        | 0.413%     |

## LSC Area Percent Report

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Integration Parameters: LSCINT.P  
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Sampling : 1 Min Area: 1 % of largest Peak  
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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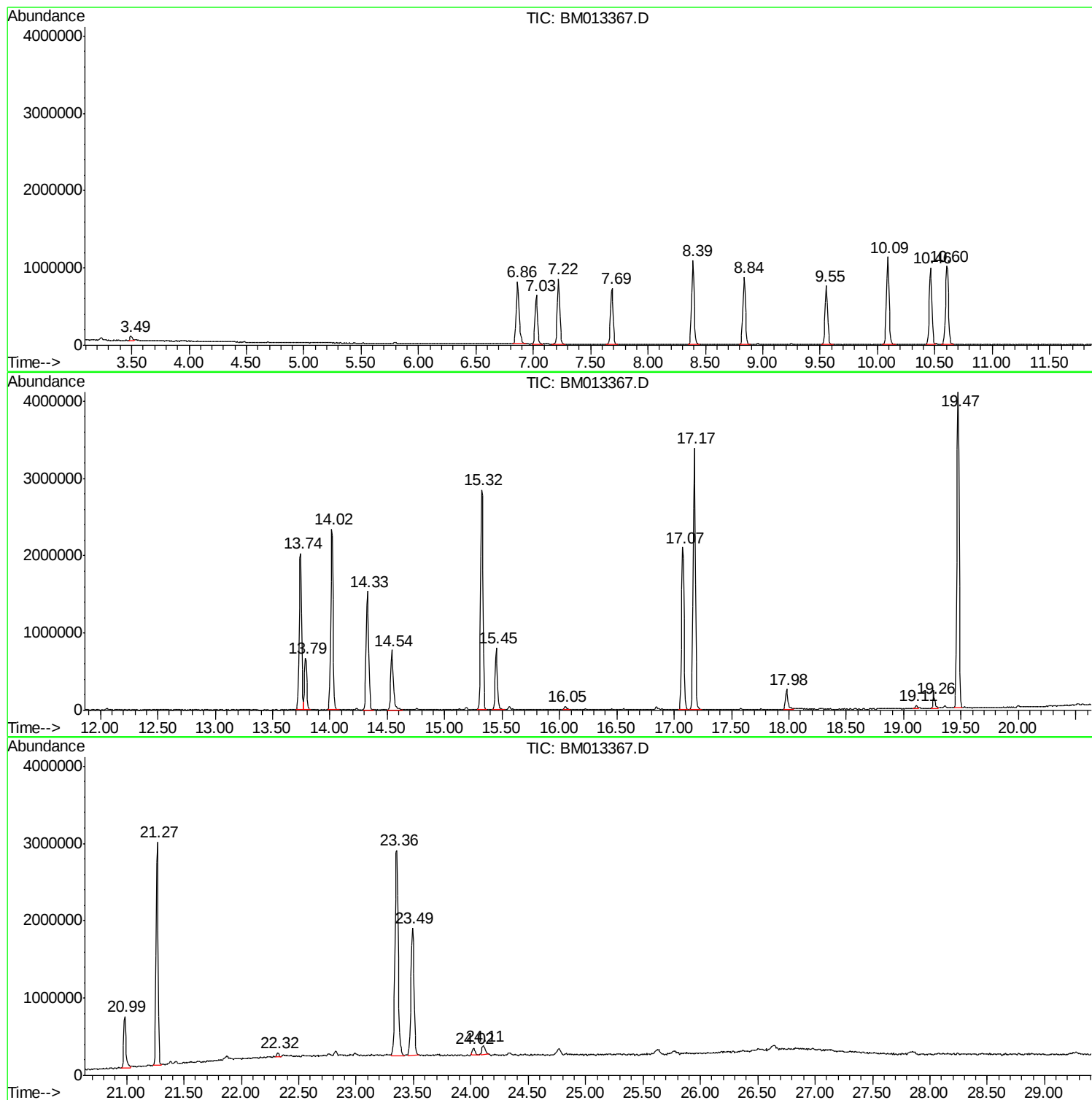
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

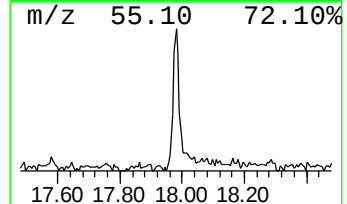
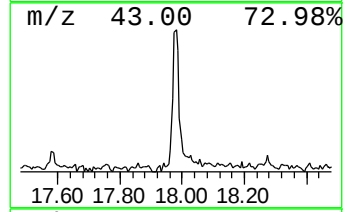
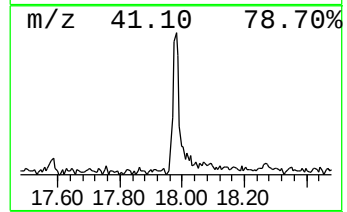
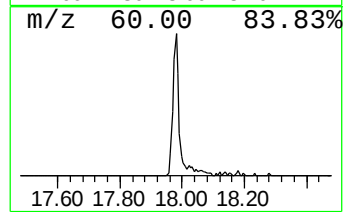
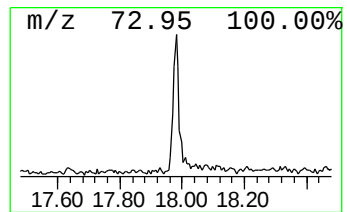
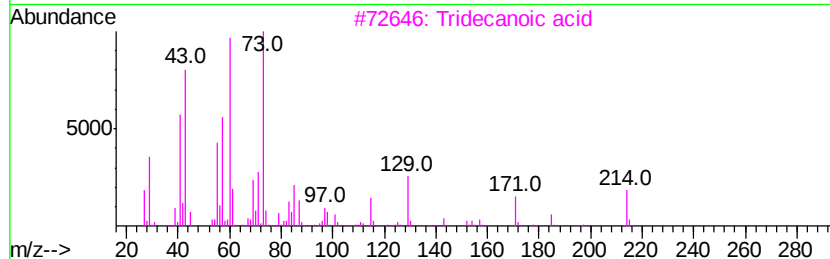
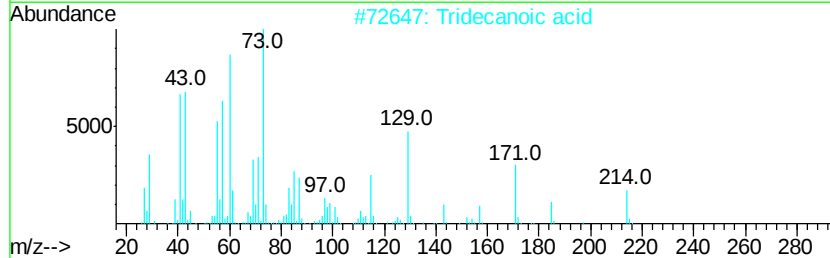
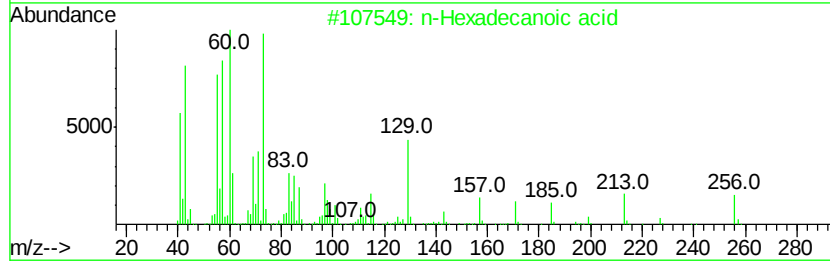
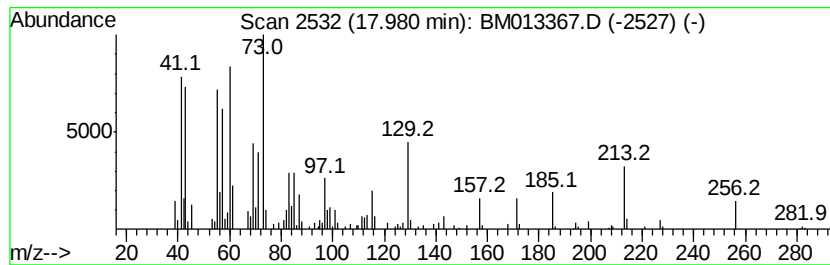
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.98 | 2.69 ng/ul | 404311 | Phenanthrene-d10 | 17.07 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |



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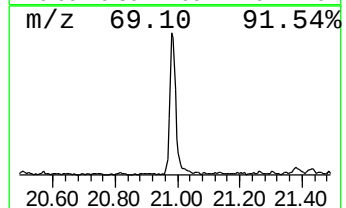
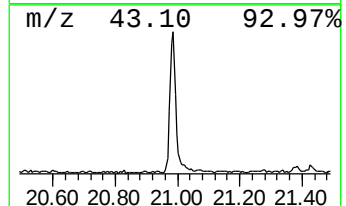
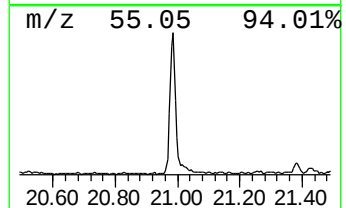
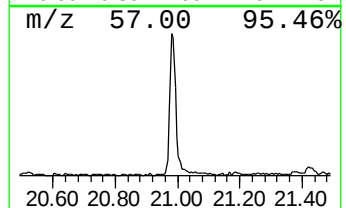
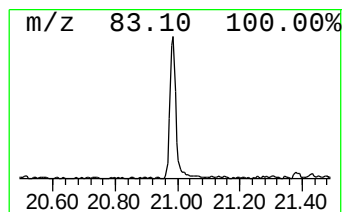
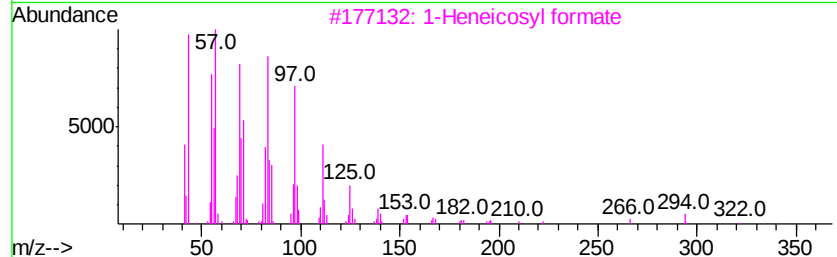
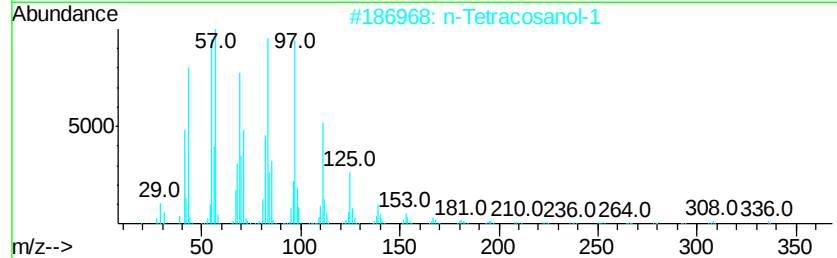
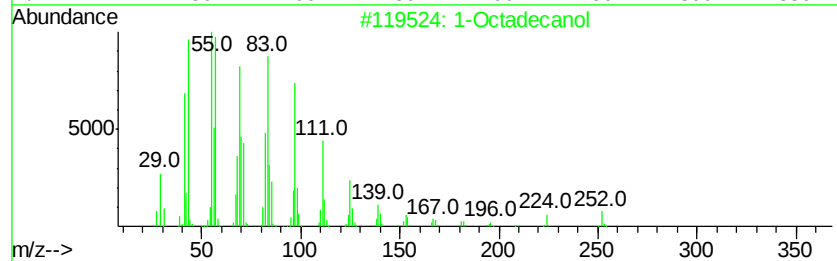
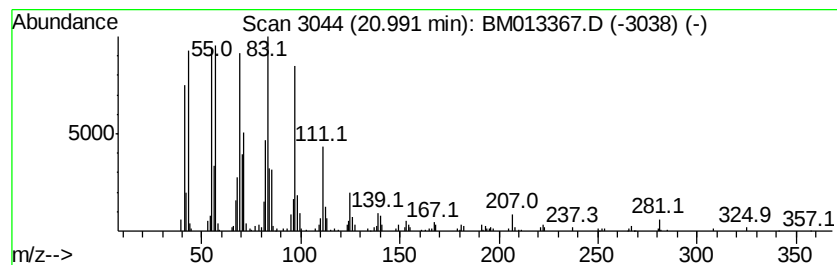
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Peak Number 2 1-Octadecanol Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.99 | 5.02 ng/ul | 891048 | Chrysene-d12     | 21.27 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|----------------------|--------------|-----|----------|-------------|------|
| 1       | 1-Octadecanol        |              | 270 | C18H38O  | 000112-92-5 | 95   |
| 2       | n-Tetracosanol-1     |              | 354 | C24H50O  | 000506-51-4 | 94   |
| 3       | 1-Heneicosyl formate |              | 340 | C22H44O2 | 077899-03-7 | 94   |
| 4       | 1-Heneicosanol       |              | 312 | C21H44O  | 015594-90-8 | 94   |
| 5       | 1-Nonadecene         |              | 266 | C19H38   | 018435-45-5 | 94   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.98 | 2.7     | ng/ul | 404311   | 4                     | 17.07 | 3011480 | 20.0 |
| 1-Octadecanol       | 20.99 | 5.0     | ng/ul | 891048   | 5                     | 21.27 | 3551300 | 20.0 |