

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM120817\  
 Data File : BM013270.D  
 Acq On : 08 Dec 2017 16:08  
 Operator : SJ/JU  
 Sample : I6759-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A17

## 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      | 4.851    | 296        | 300      | 305       | rVB2  | 59976       | 90041      | 1.26%        | 0.126%     |
| 2      | 6.869    | 636        | 643      | 655       | rVB2  | 957916      | 1727199    | 24.24%       | 2.426%     |
| 3      | 7.034    | 664        | 671      | 681       | rBV   | 775208      | 1150852    | 16.15%       | 1.617%     |
| 4      | 7.228    | 698        | 704      | 712       | rVB   | 1028835     | 1635837    | 22.95%       | 2.298%     |
| 5      | 7.692    | 777        | 783      | 792       | rVB   | 767878      | 1172001    | 16.45%       | 1.646%     |
| 6      | 8.404    | 897        | 904      | 914       | rVB   | 1297788     | 2092387    | 29.36%       | 2.939%     |
| 7      | 8.845    | 971        | 979      | 988       | rBV   | 1011183     | 1692717    | 23.75%       | 2.378%     |
| 8      | 9.563    | 1094       | 1101     | 1109      | rBV   | 919762      | 1538204    | 21.58%       | 2.161%     |
| 9      | 10.098   | 1185       | 1192     | 1203      | rBV   | 1380121     | 2240644    | 31.44%       | 3.147%     |
| 10     | 10.474   | 1249       | 1256     | 1264      | rVB   | 1091398     | 1758477    | 24.68%       | 2.470%     |
| 11     | 10.616   | 1271       | 1280     | 1289      | rBV   | 1316931     | 2206229    | 30.96%       | 3.099%     |
| 12     | 13.751   | 1806       | 1813     | 1818      | rBV   | 2703654     | 3803415    | 53.37%       | 5.343%     |
| 13     | 13.798   | 1818       | 1821     | 1829      | rVB   | 368728      | 500479     | 7.02%        | 0.703%     |
| 14     | 14.027   | 1849       | 1860     | 1867      | rBV   | 2971496     | 4280705    | 60.07%       | 6.013%     |
| 15     | 14.239   | 1892       | 1896     | 1902      | rVB   | 54269       | 79264      | 1.11%        | 0.111%     |
| 16     | 14.339   | 1905       | 1913     | 1921      | rBV2  | 1679420     | 2612018    | 36.65%       | 3.669%     |
| 17     | 14.545   | 1942       | 1948     | 1960      | rBV   | 1145791     | 1784586    | 25.04%       | 2.507%     |
| 18     | 15.198   | 2055       | 2059     | 2065      | rVB   | 84010       | 107704     | 1.51%        | 0.151%     |
| 19     | 15.333   | 2074       | 2082     | 2089      | rBV   | 3687415     | 5164688    | 72.47%       | 7.255%     |
| 20     | 15.457   | 2097       | 2103     | 2116      | rBV   | 1267212     | 1732621    | 24.31%       | 2.434%     |
| 21     | 15.574   | 2118       | 2123     | 2126      | rBV4  | 43940       | 73488      | 1.03%        | 0.103%     |
| 22     | 16.062   | 2201       | 2206     | 2213      | rBV   | 90275       | 156183     | 2.19%        | 0.219%     |
| 23     | 16.856   | 2336       | 2341     | 2345      | rBV2  | 83291       | 109428     | 1.54%        | 0.154%     |
| 24     | 17.086   | 2372       | 2380     | 2386      | rBV   | 2439032     | 3380252    | 47.43%       | 4.748%     |
| 25     | 17.186   | 2390       | 2397     | 2403      | rBV   | 4063810     | 5876793    | 82.46%       | 8.255%     |
| 26     | 17.474   | 2438       | 2446     | 2457      | rVB5  | 87802       | 161204     | 2.26%        | 0.226%     |
| 27     | 17.592   | 2462       | 2466     | 2470      | rBV2  | 62614       | 77401      | 1.09%        | 0.109%     |
| 28     | 17.768   | 2491       | 2496     | 2502      | rVB   | 135613      | 180485     | 2.53%        | 0.254%     |
| 29     | 17.986   | 2529       | 2533     | 2539      | rBV   | 450842      | 621585     | 8.72%        | 0.873%     |
| 30     | 18.939   | 2687       | 2695     | 2700      | rBV4  | 177769      | 293589     | 4.12%        | 0.412%     |
| 31     | 19.115   | 2721       | 2725     | 2728      | rBV   | 46922       | 72769      | 1.02%        | 0.102%     |
| 32     | 19.274   | 2747       | 2752     | 2759      | rBV   | 338207      | 475593     | 6.67%        | 0.668%     |
| 33     | 19.480   | 2781       | 2787     | 2795      | rBV   | 5081895     | 6910896    | 96.97%       | 9.708%     |
| 34     | 20.991   | 3040       | 3044     | 3049      | rBV2  | 337566      | 418281     | 5.87%        | 0.588%     |

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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

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|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 21.274 | 3086 | 3092 | 3098 | rBV  | 3297395 | 4185675 | 58.73%  | 5.880%  |
| 36 | 23.362 | 3440 | 3447 | 3461 | rVB2 | 3689639 | 7126510 | 100.00% | 10.010% |
| 37 | 23.503 | 3464 | 3471 | 3478 | rVB  | 2010193 | 3700707 | 51.93%  | 5.198%  |

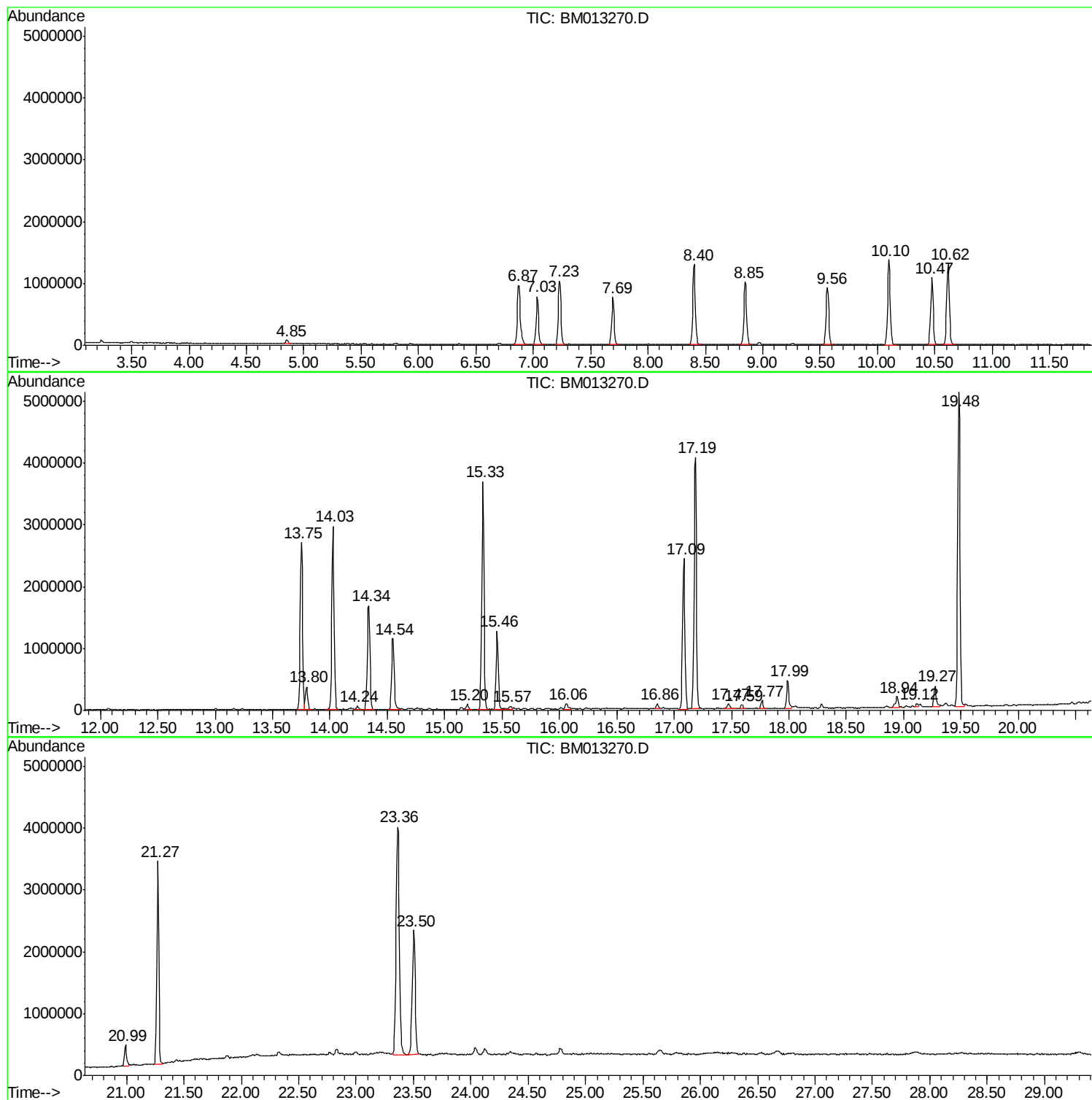
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION

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



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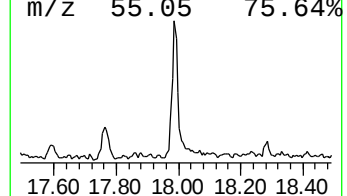
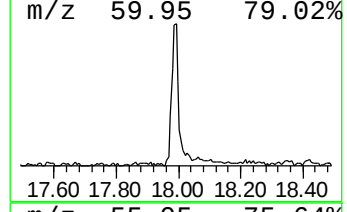
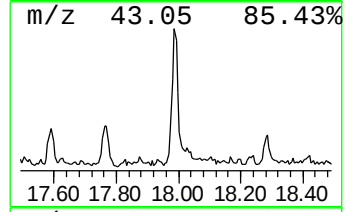
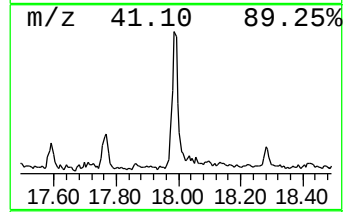
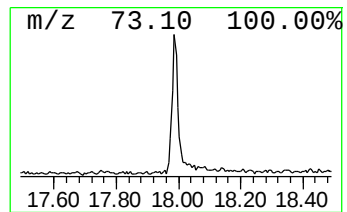
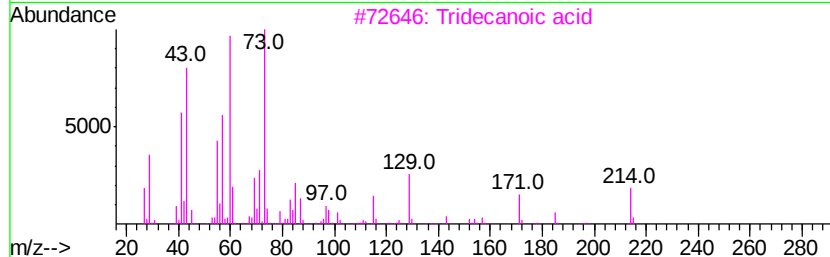
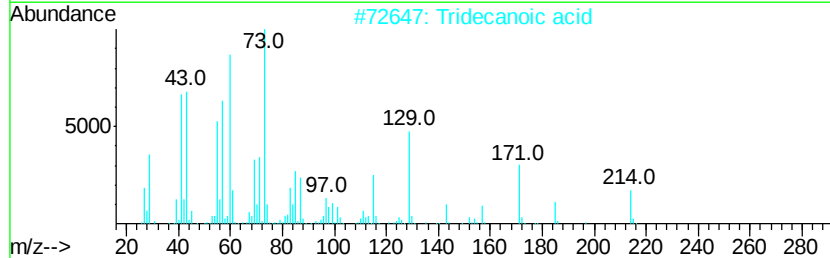
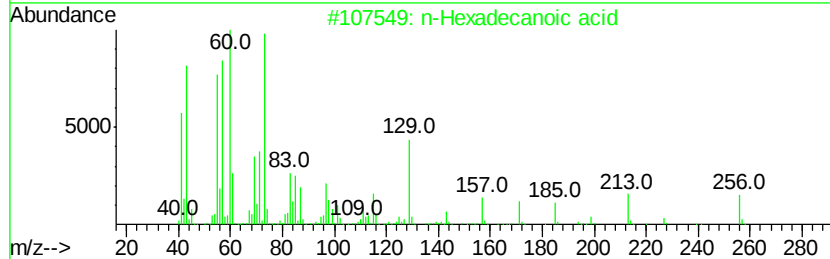
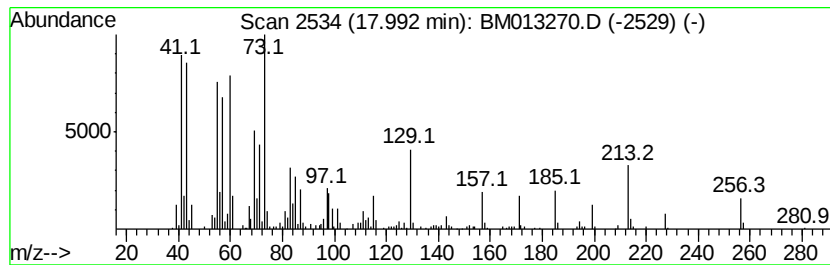
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Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    |     | R.T.     |             |      |
|-------|------------|--------|---------------------|-----|----------|-------------|------|
| 17.99 | 3.68 ng/ul | 621585 | Phenanthrene-d10    |     | 17.09    |             |      |
| Hit#  | of         | 5      | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
| 1     |            |        | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 74   |
| 3     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 72   |
| 4     |            |        | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 70   |
| 5     |            |        | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 62   |



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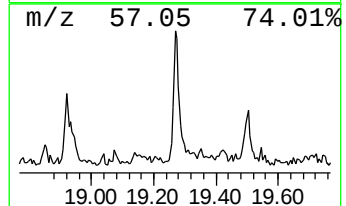
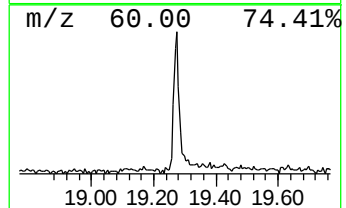
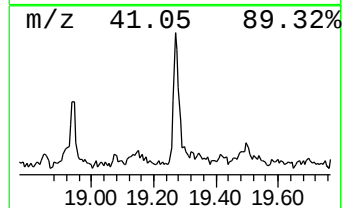
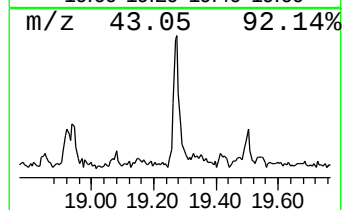
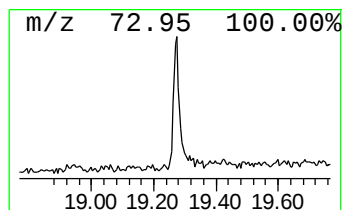
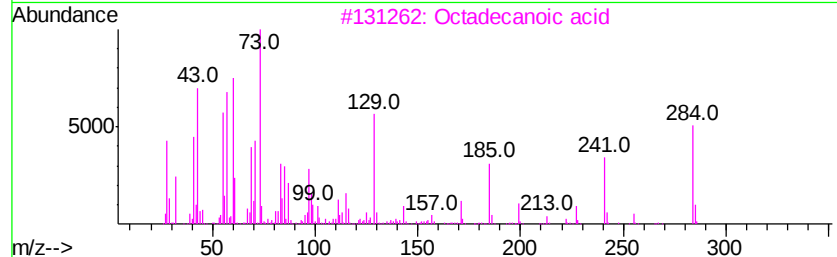
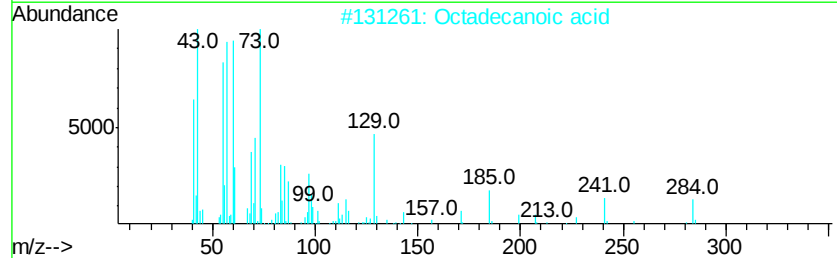
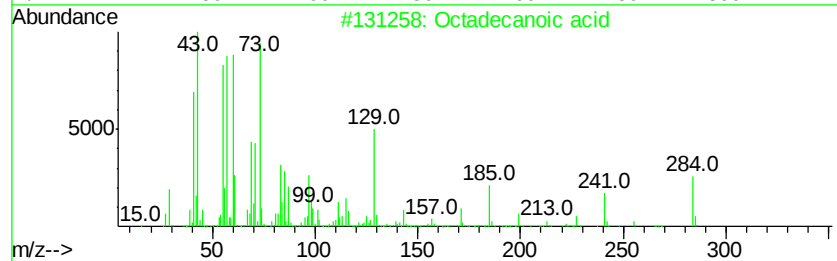
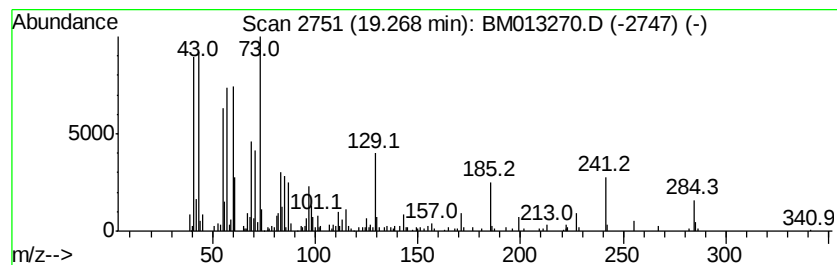
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.27 | 2.27 ng/ul | 475593 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 93   |
| 4    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93   |
| 5    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 93   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.99 | 3.7     | ng/ul | 621585   | 4                     | 17.09 | 3380250 | 20.0 |
| Octadecanoic acid   | 19.27 | 2.3     | ng/ul | 475593   | 5                     | 21.27 | 4185680 | 20.0 |