

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\  
 Data File : BM013901.D  
 Acq On : 28 Jan 2018 01:18  
 Operator : SJ/JU  
 Sample : J1282-14  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C41

## 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-BM011018.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         | 3.140       | 24            | 26          | 37           | rVB4     | 34597          | 53368         | 1.70%           | 0.142%        |
| 2         | 6.769       | 637           | 643         | 655          | rBV      | 551901         | 945039        | 30.12%          | 2.514%        |
| 3         | 6.928       | 664           | 670         | 680          | rVB      | 414093         | 626593        | 19.97%          | 1.667%        |
| 4         | 7.116       | 696           | 702         | 719          | rBV      | 617282         | 986421        | 31.44%          | 2.624%        |
| 5         | 7.581       | 775           | 781         | 791          | rBV      | 593017         | 939176        | 29.94%          | 2.498%        |
| 6         | 8.293       | 896           | 902         | 916          | rBV      | 680224         | 1177370       | 37.53%          | 3.132%        |
| 7         | 8.740       | 971           | 978         | 986          | rBV      | 584504         | 963703        | 30.72%          | 2.563%        |
| 8         | 9.134       | 1038          | 1045        | 1050         | rVB3     | 48528          | 74029         | 2.36%           | 0.197%        |
| 9         | 9.451       | 1091          | 1099        | 1109         | rBV      | 513886         | 869743        | 27.72%          | 2.313%        |
| 10        | 9.987       | 1184          | 1190        | 1203         | rBV      | 663281         | 1233497       | 39.32%          | 3.281%        |
| 11        | 10.351      | 1245          | 1252        | 1261         | rBV      | 761304         | 1271511       | 40.53%          | 3.382%        |
| 12        | 10.504      | 1271          | 1278        | 1297         | rBV      | 582898         | 1149034       | 36.62%          | 3.056%        |
| 13        | 13.651      | 1806          | 1813        | 1818         | rBV      | 1330137        | 1850719       | 58.99%          | 4.923%        |
| 14        | 13.698      | 1818          | 1821        | 1827         | rVB      | 204894         | 308302        | 9.83%           | 0.820%        |
| 15        | 13.922      | 1853          | 1859        | 1866         | rBV      | 1520016        | 2180022       | 69.49%          | 5.799%        |
| 16        | 14.139      | 1890          | 1896        | 1902         | rBV2     | 52847          | 69802         | 2.22%           | 0.186%        |
| 17        | 14.233      | 1902          | 1912        | 1922         | rBV2     | 1108500        | 1688208       | 53.81%          | 4.490%        |
| 18        | 14.475      | 1946          | 1953        | 1969         | rBV      | 304591         | 724296        | 23.09%          | 1.927%        |
| 19        | 15.098      | 2054          | 2059        | 2063         | rVB2     | 65368          | 78325         | 2.50%           | 0.208%        |
| 20        | 15.233      | 2073          | 2082        | 2089         | rBV      | 1847110        | 2609273       | 83.17%          | 6.940%        |
| 21        | 15.374      | 2100          | 2106        | 2116         | rBV      | 410819         | 670636        | 21.38%          | 1.784%        |
| 22        | 15.475      | 2119          | 2123        | 2126         | rVV4     | 26498          | 43422         | 1.38%           | 0.115%        |
| 23        | 15.963      | 2200          | 2206        | 2213         | rBV      | 60455          | 98930         | 3.15%           | 0.263%        |
| 24        | 16.757      | 2337          | 2341        | 2344         | rBV2     | 32755          | 39751         | 1.27%           | 0.106%        |
| 25        | 16.986      | 2373          | 2380        | 2388         | rBV      | 1389429        | 2002618       | 63.83%          | 5.327%        |
| 26        | 17.086      | 2388          | 2397        | 2409         | rVV2     | 1918110        | 2805108       | 89.41%          | 7.461%        |
| 27        | 17.892      | 2529          | 2534        | 2542         | rBV      | 272155         | 431376        | 13.75%          | 1.147%        |
| 28        | 17.963      | 2542          | 2546        | 2555         | rVB      | 411748         | 532097        | 16.96%          | 1.415%        |
| 29        | 19.033      | 2723          | 2728        | 2731         | rBV4     | 40820          | 67820         | 2.16%           | 0.180%        |
| 30        | 19.180      | 2748          | 2753        | 2763         | rBV5     | 108814         | 202419        | 6.45%           | 0.538%        |
| 31        | 19.321      | 2773          | 2777        | 2782         | rVB      | 115719         | 145911        | 4.65%           | 0.388%        |
| 32        | 19.392      | 2783          | 2789        | 2796         | rVV      | 2271858        | 3137308       | 100.00%         | 8.345%        |
| 33        | 20.909      | 3043          | 3047        | 3057         | rVB3     | 358599         | 584001        | 18.61%          | 1.553%        |
| 34        | 21.192      | 3089          | 3095        | 3103         | rBV      | 1546703        | 2134127       | 68.02%          | 5.676%        |

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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

Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM011018.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 23.239 | 3436 | 3443 | 3453 | rVB2 | 1634670 | 2973871 | 94.79% | 7.910% |
| 36 | 23.374 | 3460 | 3466 | 3477 | rVB  | 992047  | 1928482 | 61.47% | 5.129% |

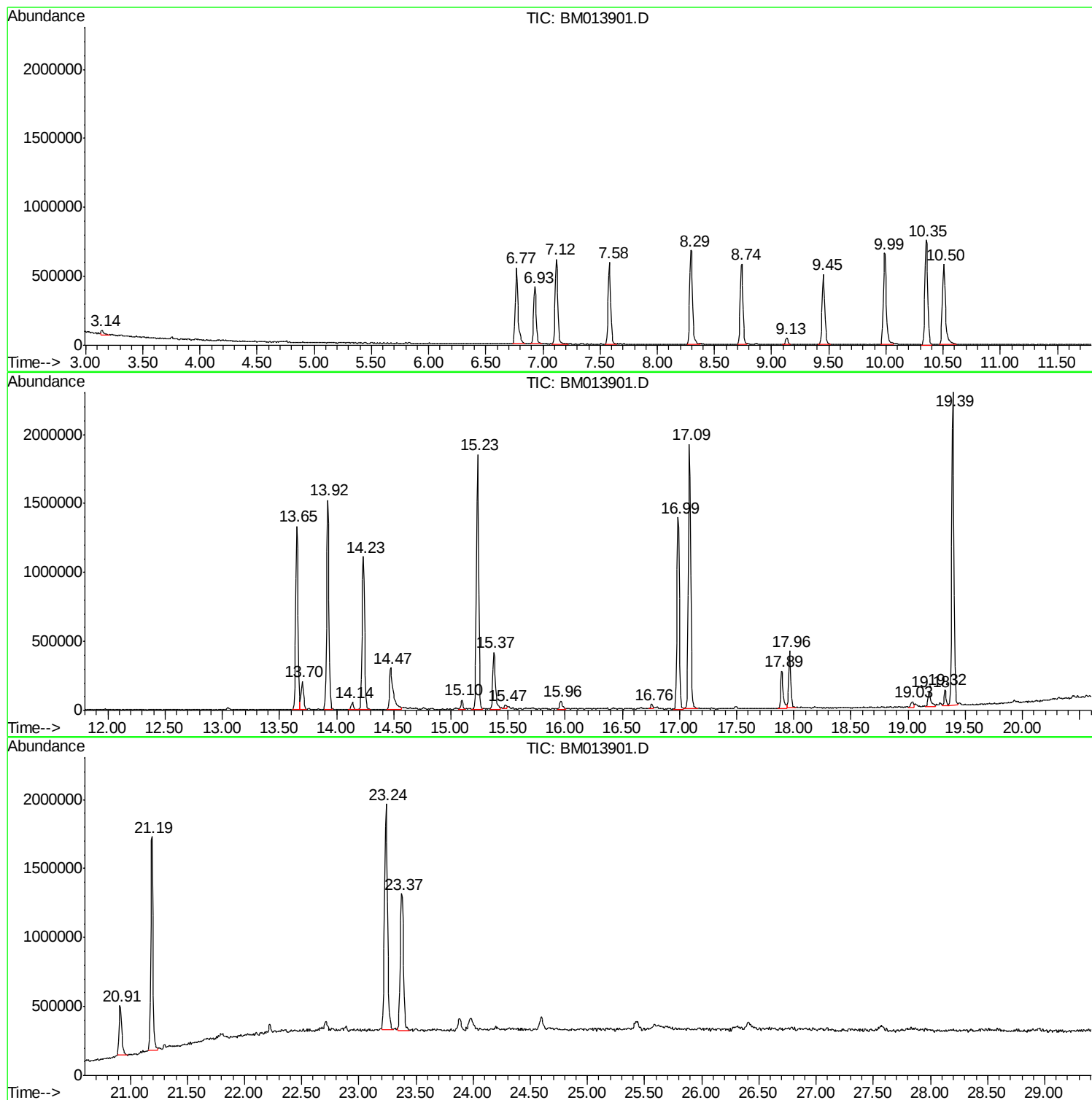
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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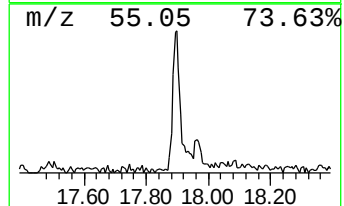
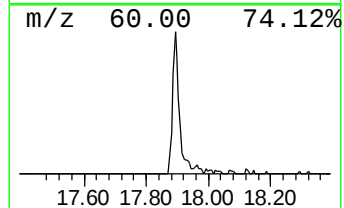
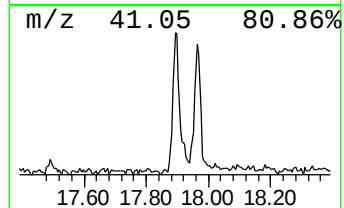
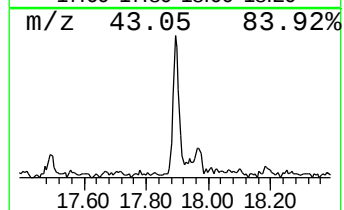
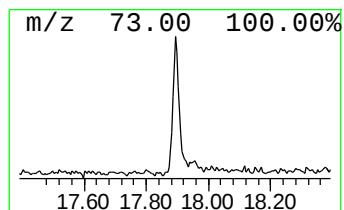
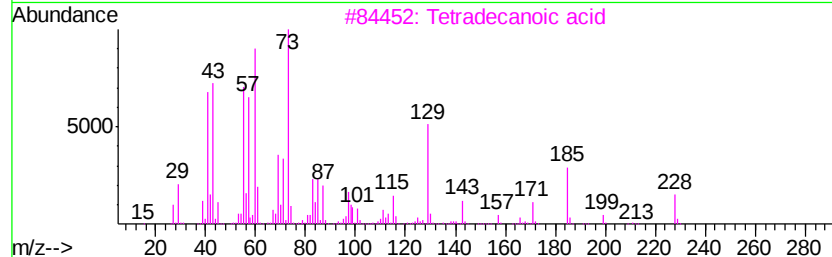
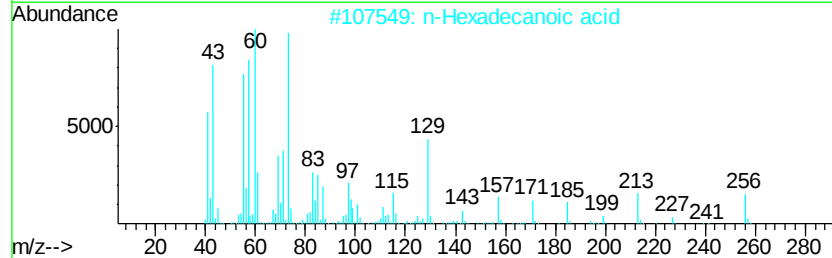
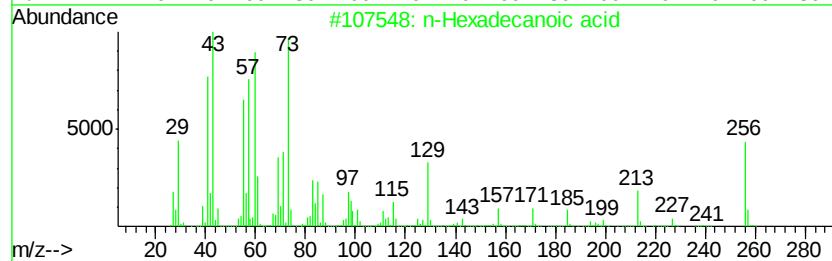
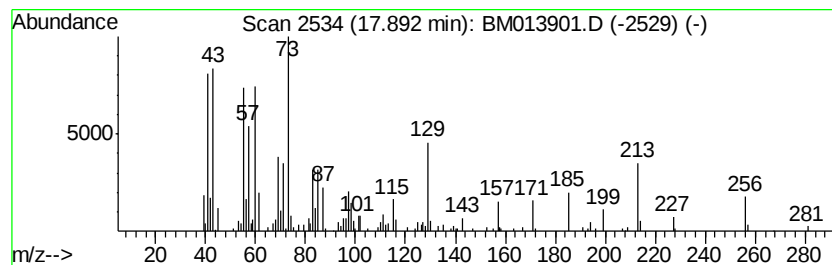
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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.        |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.89   | 4.31 ng/ul | 431376              | Phenanthrene-d10 |          | 16.99       |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 95   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 93   |
| 3       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 89   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 81   |
| 5       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 74   |



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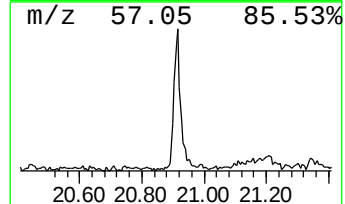
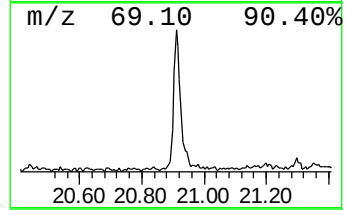
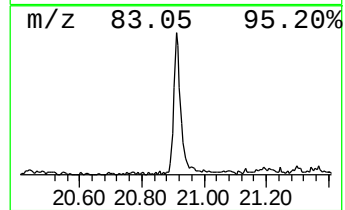
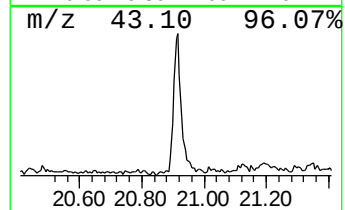
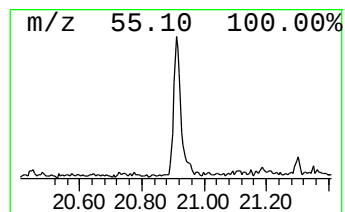
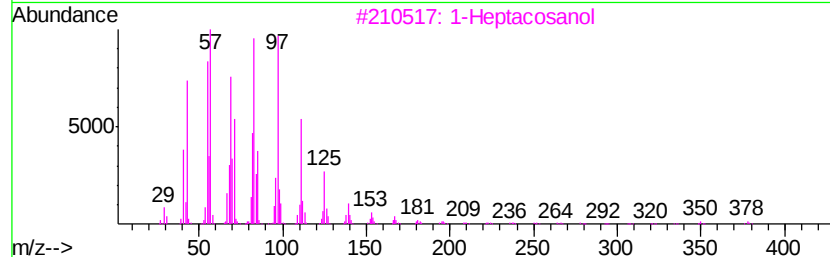
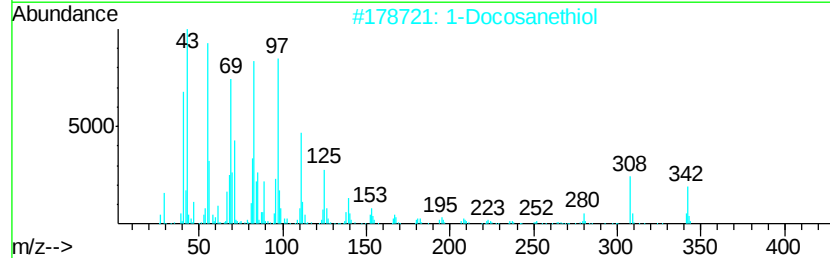
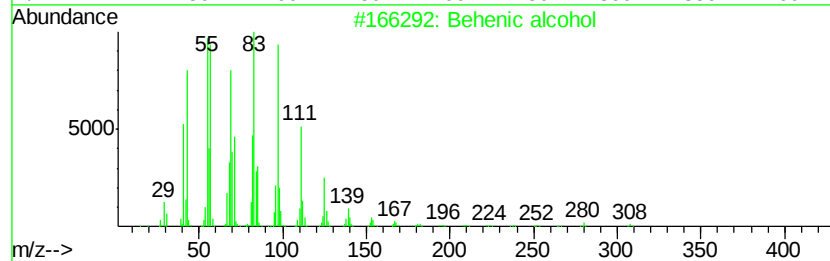
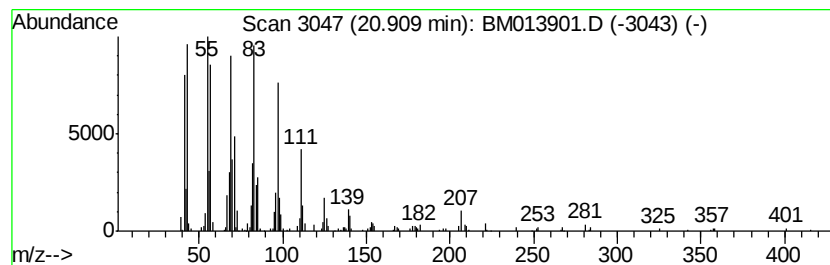
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Behenic alcohol Concentration Rank 1

| R.T.      | EstConc                           | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------------|--------|------------------|-------------|-------|
| 20.91     | 5.47 ng/ul                        | 584001 | Chrysene-d12     |             | 21.19 |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#        | Qual  |
| 1         | Behenic alcohol                   | 326    | C22H46O          | 000661-19-8 | 93    |
| 2         | 1-Docosanethiol                   | 342    | C22H46S          | 007773-83-3 | 91    |
| 3         | 1-Heptacosanol                    | 396    | C27H56O          | 002004-39-9 | 90    |
| 4         | Bromoacetic acid, octadecyl ester | 390    | C20H39BrO2       | 018992-03-5 | 90    |
| 5         | n-Tetracosanol-1                  | 354    | C24H50O          | 000506-51-4 | 90    |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.89 | 4.3     | ng/ul | 431376   | 4                     | 16.99 | 2002620 | 20.0 |
| Behenic alcohol     | 20.91 | 5.5     | ng/ul | 584001   | 5                     | 21.19 | 2134130 | 20.0 |