

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014411.D  
 Acq On : 28 Feb 2018 20:44  
 Operator : SJ/JU  
 Sample : J1678-17  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE5W5

## 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         | 6.716       | 628           | 634         | 650          | rBV      | 327903         | 704458        | 19.29%          | 2.177%        |
| 2         | 6.869       | 654           | 660         | 669          | rBV      | 268689         | 435446        | 11.92%          | 1.345%        |
| 3         | 7.057       | 685           | 692         | 703          | rBV2     | 385285         | 690662        | 18.91%          | 2.134%        |
| 4         | 7.516       | 763           | 770         | 782          | rBV      | 266078         | 470898        | 12.89%          | 1.455%        |
| 5         | 8.239       | 886           | 893         | 909          | rBV2     | 417961         | 834444        | 22.84%          | 2.578%        |
| 6         | 8.675       | 961           | 967         | 978          | rBV      | 423036         | 751853        | 20.58%          | 2.323%        |
| 7         | 9.392       | 1082          | 1089        | 1100         | rBV      | 373911         | 715770        | 19.60%          | 2.212%        |
| 8         | 9.933       | 1173          | 1181        | 1198         | rBV2     | 476381         | 982807        | 26.91%          | 3.037%        |
| 9         | 10.286      | 1233          | 1241        | 1248         | rBV      | 430929         | 728453        | 19.94%          | 2.251%        |
| 10        | 10.451      | 1261          | 1269        | 1280         | rBV      | 392920         | 877878        | 24.03%          | 2.712%        |
| 11        | 13.598      | 1798          | 1804        | 1809         | rBV      | 1189047        | 1674829       | 45.85%          | 5.175%        |
| 12        | 13.645      | 1809          | 1812        | 1820         | rVB      | 165383         | 259534        | 7.11%           | 0.802%        |
| 13        | 13.863      | 1841          | 1849        | 1861         | rBV      | 1271319        | 1954904       | 53.52%          | 6.040%        |
| 14        | 14.074      | 1879          | 1885        | 1891         | rBV      | 66214          | 94161         | 2.58%           | 0.291%        |
| 15        | 14.174      | 1894          | 1902        | 1910         | rVV2     | 708692         | 1080661       | 29.59%          | 3.339%        |
| 16        | 14.445      | 1941          | 1948        | 1968         | rBV3     | 268188         | 819603        | 22.44%          | 2.532%        |
| 17        | 15.039      | 2043          | 2049        | 2054         | rVB2     | 82224          | 103267        | 2.83%           | 0.319%        |
| 18        | 15.180      | 2067          | 2073        | 2081         | rBV      | 1591500        | 2310749       | 63.26%          | 7.140%        |
| 19        | 15.339      | 2095          | 2100        | 2111         | rBV      | 459532         | 778333        | 21.31%          | 2.405%        |
| 20        | 15.427      | 2111          | 2115        | 2123         | rVB7     | 31030          | 67133         | 1.84%           | 0.207%        |
| 21        | 15.904      | 2190          | 2196        | 2207         | rBV2     | 64789          | 115267        | 3.16%           | 0.356%        |
| 22        | 16.939      | 2364          | 2372        | 2377         | rBV      | 982385         | 1418351       | 38.83%          | 4.382%        |
| 23        | 16.974      | 2377          | 2378        | 2382         | rVV3     | 52905          | 55324         | 1.51%           | 0.171%        |
| 24        | 17.039      | 2382          | 2389        | 2397         | rVV      | 1825334        | 2621304       | 71.76%          | 8.099%        |
| 25        | 17.845      | 2521          | 2526        | 2536         | rBV4     | 171184         | 297843        | 8.15%           | 0.920%        |
| 26        | 19.009      | 2714          | 2724        | 2733         | rBV2     | 143177         | 286954        | 7.86%           | 0.887%        |
| 27        | 19.139      | 2742          | 2746        | 2752         | rBV6     | 53595          | 90322         | 2.47%           | 0.279%        |
| 28        | 19.345      | 2775          | 2781        | 2791         | rBV      | 2361268        | 3381588       | 92.58%          | 10.448%       |
| 29        | 19.721      | 2839          | 2845        | 2846         | rBV6     | 25028          | 47073         | 1.29%           | 0.145%        |
| 30        | 20.868      | 3036          | 3040        | 3046         | rBV4     | 250019         | 333260        | 9.12%           | 1.030%        |
| 31        | 21.068      | 3070          | 3074        | 3078         | rBV      | 133057         | 157809        | 4.32%           | 0.488%        |
| 32        | 21.150      | 3083          | 3088        | 3092         | rBV      | 1399047        | 1800137       | 49.28%          | 5.562%        |
| 33        | 23.191      | 3429          | 3435        | 3450         | rVB      | 2063040        | 3652657       | 100.00%         | 11.286%       |
| 34        | 23.327      | 3452          | 3458        | 3467         | rVB      | 970041         | 1771965       | 48.51%          | 5.475%        |

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ClientSampleId :  
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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

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

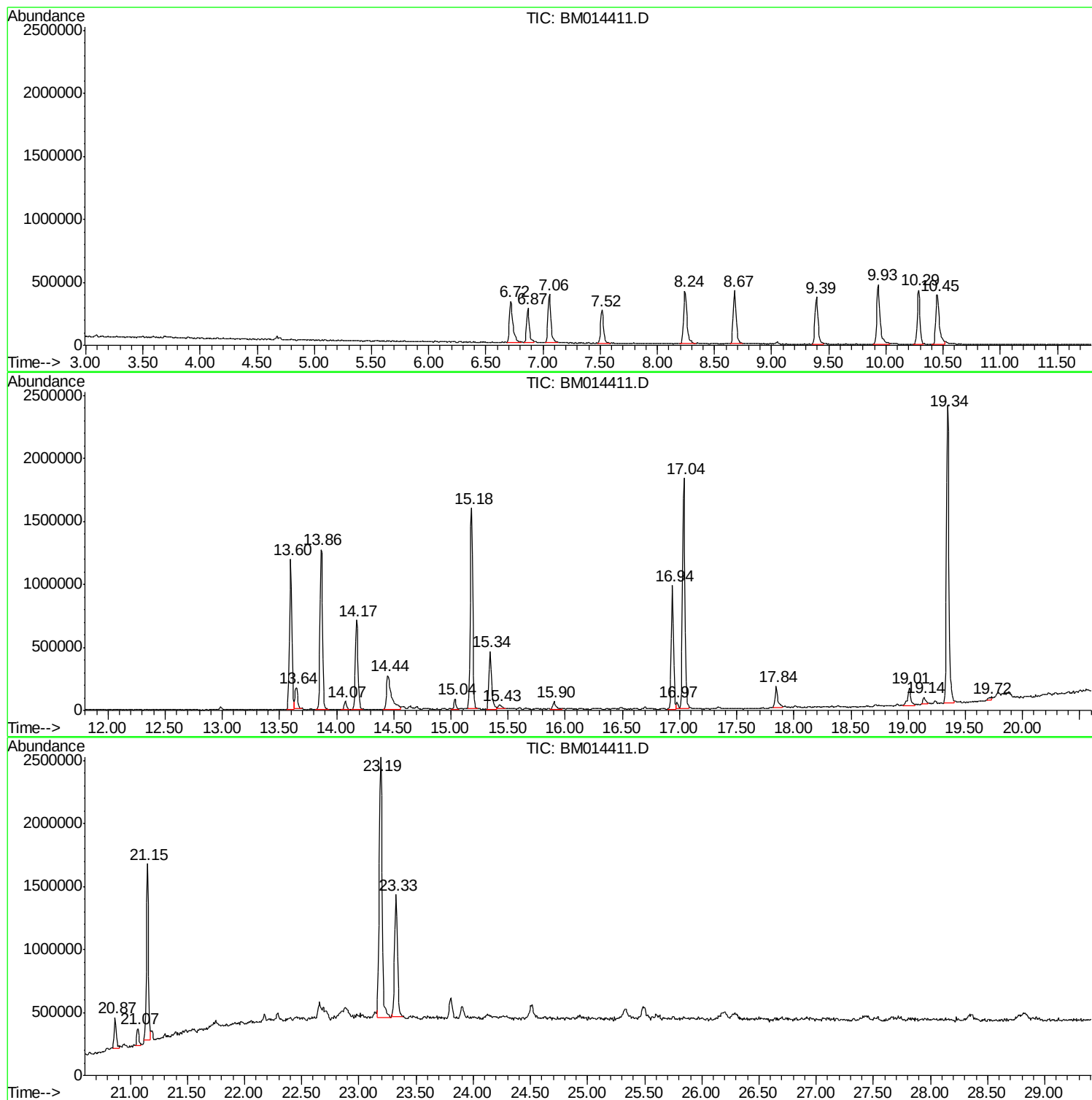
Sum of corrected areas: 32365697

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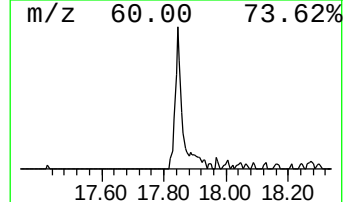
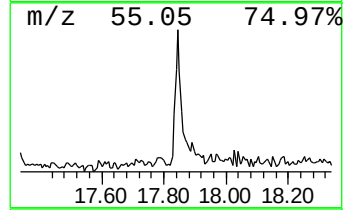
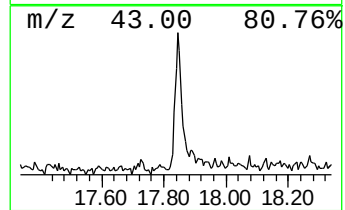
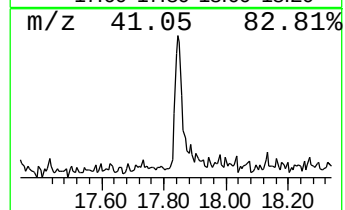
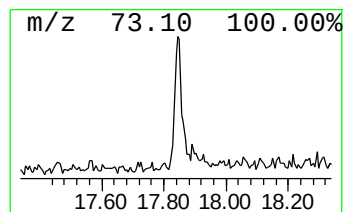
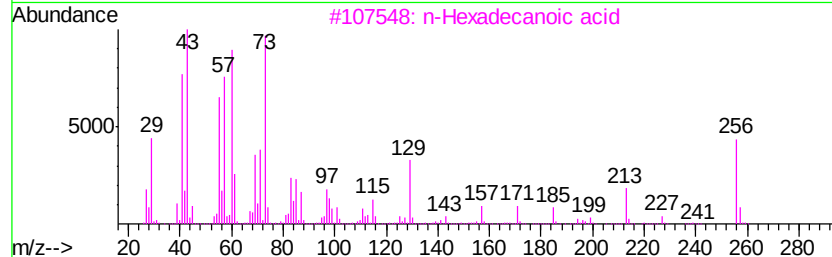
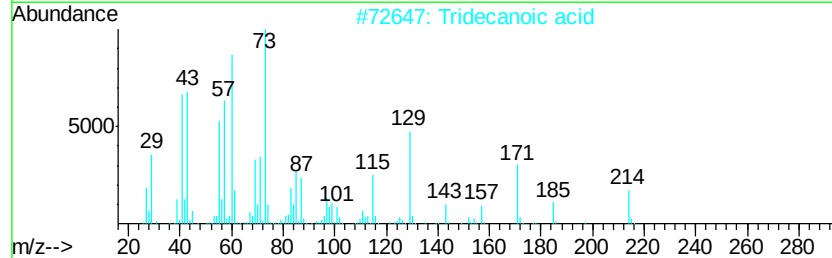
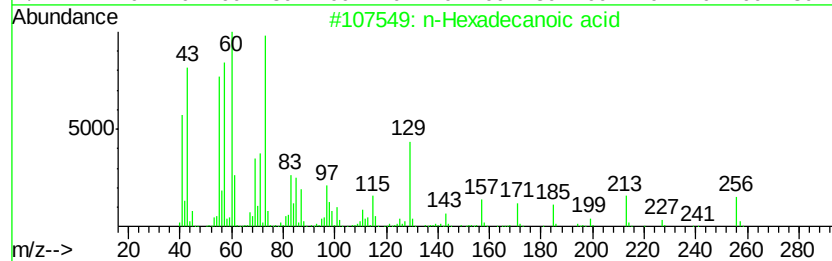
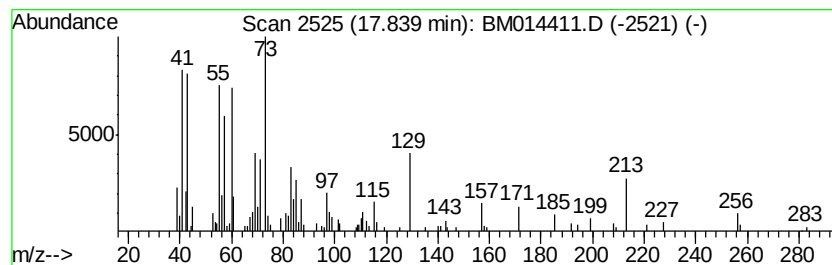
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.84   | 4.20 ng/ul | 297843              | Phenanthrene-d10 | 16.94    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 95   |
| 2       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 92   |
| 3       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 90   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 60   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 60   |



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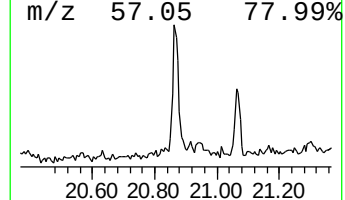
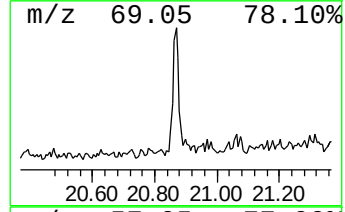
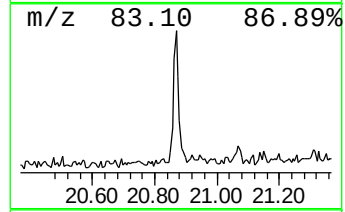
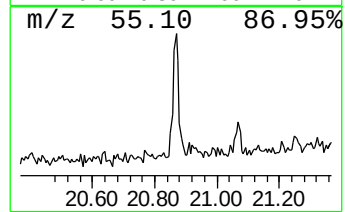
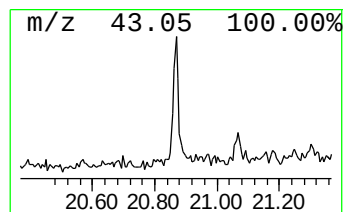
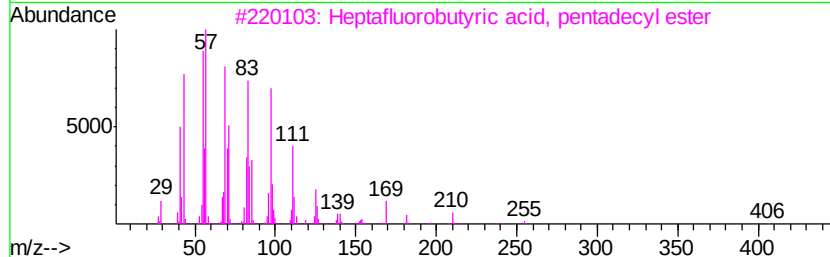
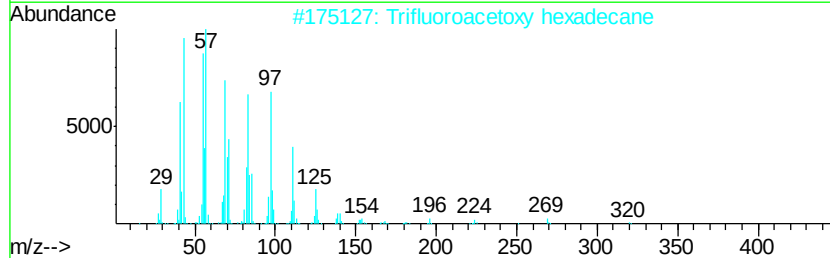
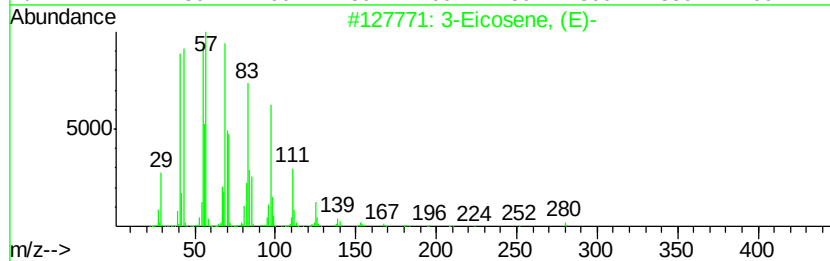
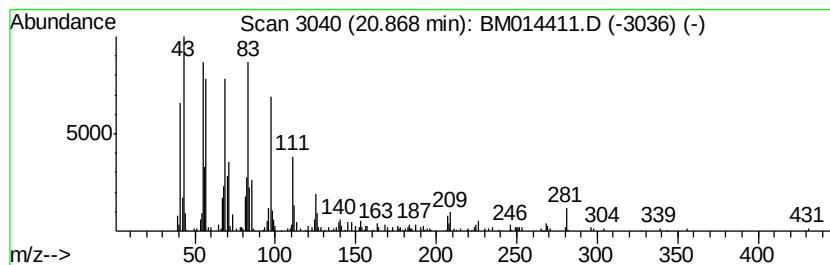
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Peak Number 2 (DEL) Alkane: Cyclic20.87 Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 20.87   | 3.70 ng/ul | 333260                              | Chrysene-d12     | 21.15          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | 3-Eicosene, (E)-                    | 280 C20H40       | 074685-33-9 90 |
| 2       |            | Trifluoroacetoxy hexadecane         | 338 C18H33F3O2   | 006222-03-3 89 |
| 3       |            | Heptafluorobutyric acid, pentade... | 424 C19H31F7O2   | 959261-23-5 89 |
| 4       |            | Pentafluoropropionic acid, penta... | 374 C18H31F5O2   | 959092-08-1 89 |
| 5       |            | 5-Eicosene, (E)-                    | 280 C20H40       | 074685-30-6 64 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.84 | 4.2     | ng/ul | 297843   | 4                     | 16.94 | 1418350 | 20.0 |
| (DEL) Alkane: Cyc... | 20.87 | 3.7     | ng/ul | 333260   | 5                     | 21.15 | 1800140 | 20.0 |