

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\  
 Data File : BM013897.D  
 Acq On : 27 Jan 2018 22:54  
 Operator : SJ/JU  
 Sample : J1282-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6B90

## 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         | 3.146       | 23            | 27          | 35           | rVB2     | 41619          | 70360         | 1.33%           | 0.133%        |
| 2         | 6.769       | 637           | 643         | 654          | rVB      | 805548         | 1343669       | 25.34%          | 2.548%        |
| 3         | 6.928       | 665           | 670         | 680          | rBV      | 603915         | 907190        | 17.11%          | 1.721%        |
| 4         | 7.116       | 696           | 702         | 715          | rBV      | 846795         | 1364168       | 25.72%          | 2.587%        |
| 5         | 7.581       | 774           | 781         | 790          | rBV      | 598739         | 962759        | 18.15%          | 1.826%        |
| 6         | 8.292       | 896           | 902         | 918          | rBV      | 1024665        | 1724724       | 32.52%          | 3.271%        |
| 7         | 8.740       | 971           | 978         | 988          | rBV      | 845258         | 1422043       | 26.82%          | 2.697%        |
| 8         | 9.134       | 1041          | 1045        | 1052         | rVB3     | 40594          | 62960         | 1.19%           | 0.119%        |
| 9         | 9.451       | 1093          | 1099        | 1111         | rBV2     | 741511         | 1253516       | 23.64%          | 2.377%        |
| 10        | 9.986       | 1183          | 1190        | 1208         | rBV      | 1045763        | 1859863       | 35.07%          | 3.527%        |
| 11        | 10.357      | 1246          | 1253        | 1260         | rVB      | 791402         | 1296522       | 24.45%          | 2.459%        |
| 12        | 10.504      | 1270          | 1278        | 1294         | rBV      | 909601         | 1701405       | 32.08%          | 3.227%        |
| 13        | 13.657      | 1807          | 1814        | 1818         | rBV      | 1977109        | 2816207       | 53.11%          | 5.341%        |
| 14        | 13.698      | 1818          | 1821        | 1828         | rVB      | 303905         | 425384        | 8.02%           | 0.807%        |
| 15        | 13.922      | 1852          | 1859        | 1869         | rBV      | 2203966        | 3279587       | 61.84%          | 6.220%        |
| 16        | 14.139      | 1891          | 1896        | 1901         | rVV2     | 56363          | 71073         | 1.34%           | 0.135%        |
| 17        | 14.233      | 1904          | 1912        | 1926         | rBV2     | 1178149        | 1784503       | 33.65%          | 3.385%        |
| 18        | 14.469      | 1946          | 1952        | 1966         | rBV      | 612008         | 1204153       | 22.71%          | 2.284%        |
| 19        | 15.098      | 2053          | 2059        | 2063         | rBV2     | 70157          | 97627         | 1.84%           | 0.185%        |
| 20        | 15.233      | 2073          | 2082        | 2092         | rBV      | 2908685        | 4013230       | 75.68%          | 7.612%        |
| 21        | 15.374      | 2100          | 2106        | 2120         | rBV      | 786524         | 1219482       | 23.00%          | 2.313%        |
| 22        | 15.480      | 2120          | 2124        | 2128         | rBV4     | 36257          | 66685         | 1.26%           | 0.126%        |
| 23        | 15.963      | 2201          | 2206        | 2214         | rBV2     | 80499          | 125265        | 2.36%           | 0.238%        |
| 24        | 16.757      | 2338          | 2341        | 2345         | rBV3     | 52145          | 64012         | 1.21%           | 0.121%        |
| 25        | 16.992      | 2375          | 2381        | 2390         | rBV2     | 1536995        | 2210339       | 41.68%          | 4.192%        |
| 26        | 17.086      | 2391          | 2397        | 2409         | rVB2     | 3081808        | 4452242       | 83.96%          | 8.444%        |
| 27        | 17.898      | 2530          | 2535        | 2544         | rBV2     | 344044         | 543413        | 10.25%          | 1.031%        |
| 28        | 19.033      | 2723          | 2728        | 2731         | rBV2     | 49198          | 76744         | 1.45%           | 0.146%        |
| 29        | 19.186      | 2749          | 2754        | 2766         | rBV4     | 110730         | 192895        | 3.64%           | 0.366%        |
| 30        | 19.392      | 2783          | 2789        | 2796         | rBV      | 4064541        | 5303015       | 100.00%         | 10.058%       |
| 31        | 19.451      | 2796          | 2799        | 2805         | rVB4     | 67388          | 81523         | 1.54%           | 0.155%        |
| 32        | 20.909      | 3042          | 3047        | 3057         | rBV      | 610681         | 994251        | 18.75%          | 1.886%        |
| 33        | 21.192      | 3090          | 3095        | 3103         | rBV      | 2062105        | 2707531       | 51.06%          | 5.135%        |
| 34        | 23.244      | 3437          | 3444        | 3454         | rVB      | 2619719        | 4797811       | 90.47%          | 9.100%        |

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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

|    |        |      |      |      |     |         |         |        |        |
|----|--------|------|------|------|-----|---------|---------|--------|--------|
| 35 | 23.380 | 3461 | 3467 | 3477 | rVB | 1215682 | 2228792 | 42.03% | 4.227% |
|----|--------|------|------|------|-----|---------|---------|--------|--------|

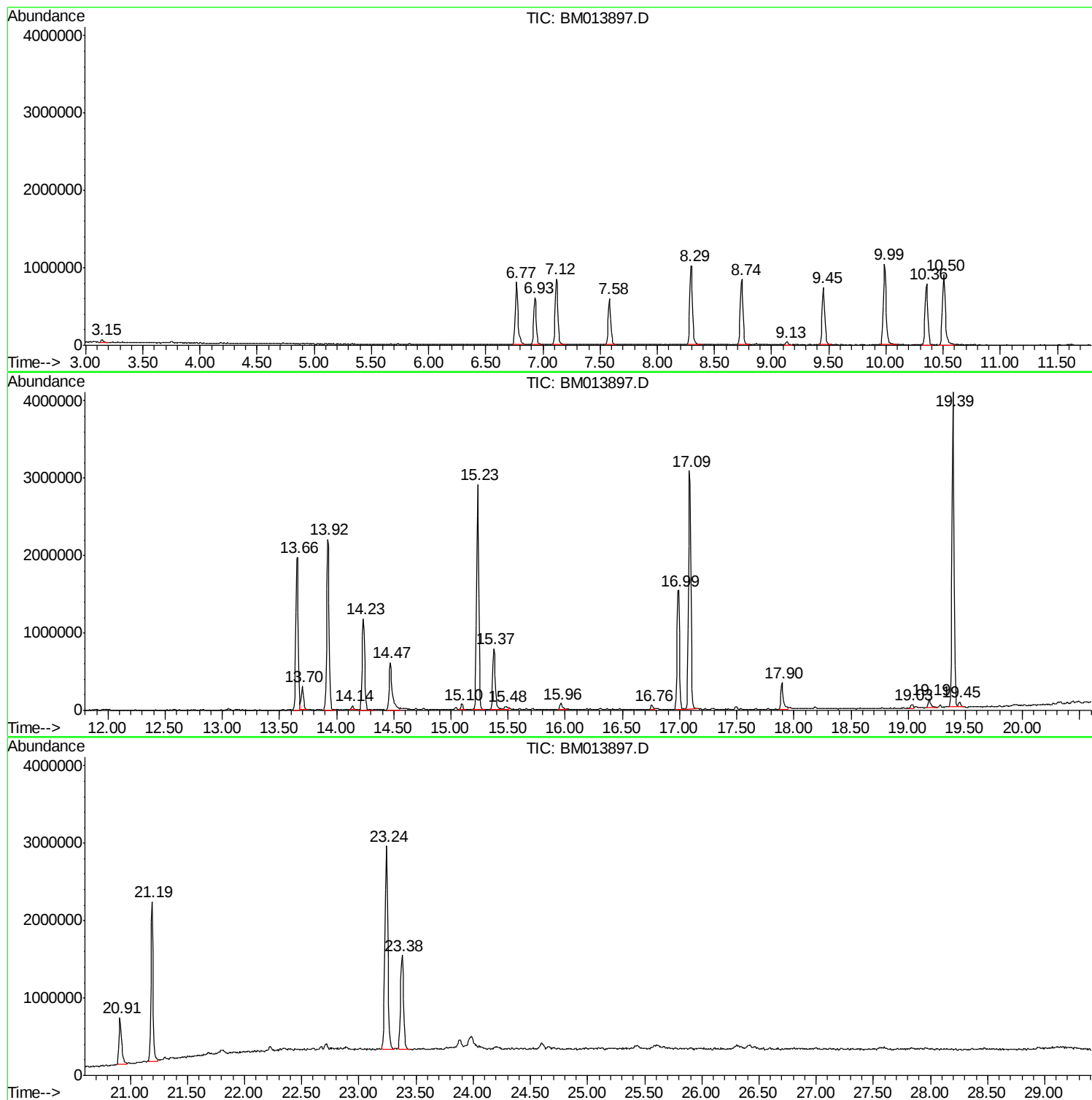
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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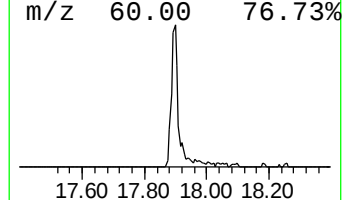
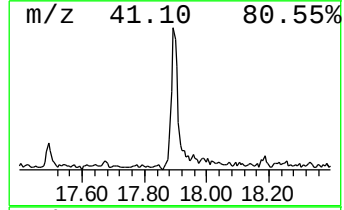
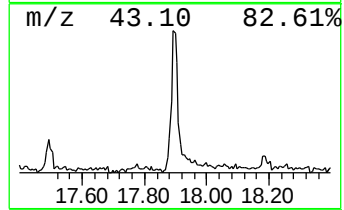
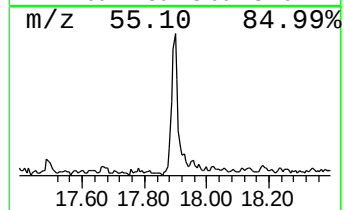
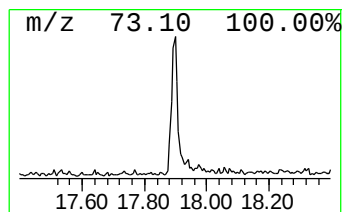
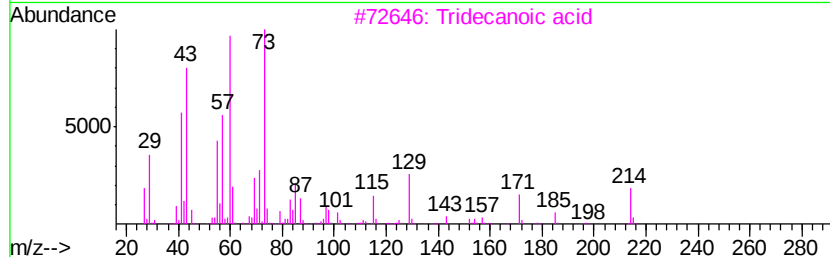
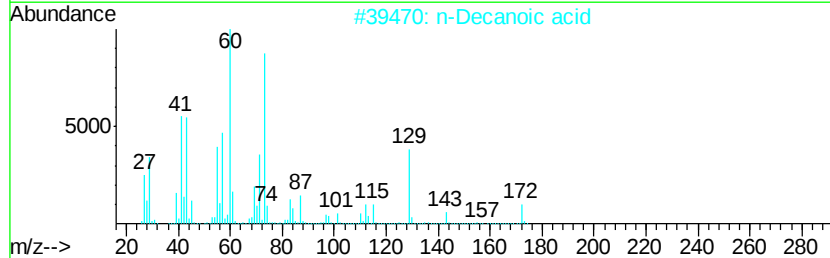
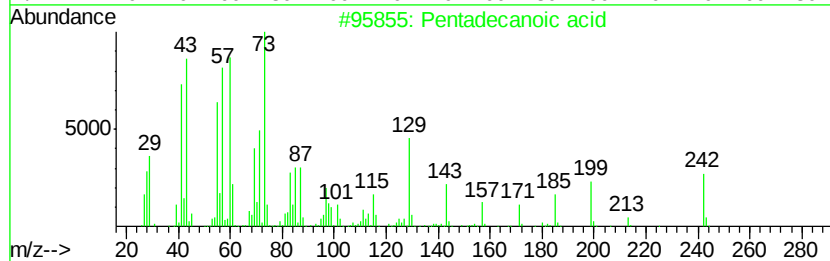
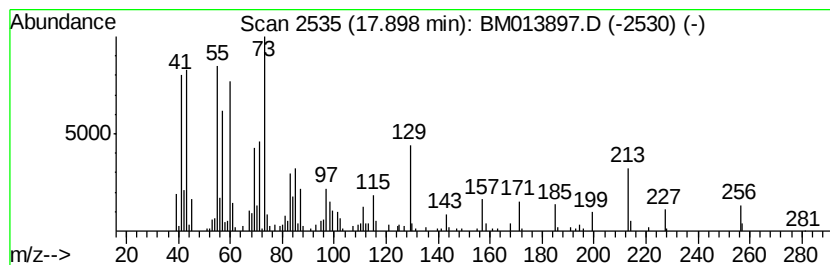
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Pentadecanoic acid Concentration Rank 2

| R.T.    | EstConc    | Area                           | Relative to ISTD | R.T.       |             |      |
|---------|------------|--------------------------------|------------------|------------|-------------|------|
| 17.90   | 4.92 ng/ul | 543413                         | Phenanthrene-d10 | 16.99      |             |      |
| Hit# of | 5          | Tentative ID                   | MW               | MolForm    | CAS#        | Qual |
| 1       |            | Pentadecanoic acid             | 242              | C15H30O2   | 001002-84-2 | 72   |
| 2       |            | n-Decanoic acid                | 172              | C10H20O2   | 000334-48-5 | 70   |
| 3       |            | Tridecanoic acid               | 214              | C13H26O2   | 000638-53-9 | 68   |
| 4       |            | n-Hexadecanoic acid            | 256              | C16H32O2   | 000057-10-3 | 64   |
| 5       |            | Decanoic acid, silver(1+) salt | 278              | C10H19AgO2 | 013126-67-5 | 59   |



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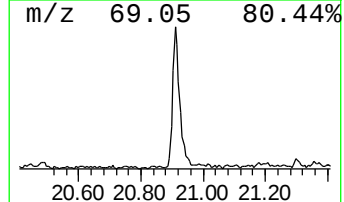
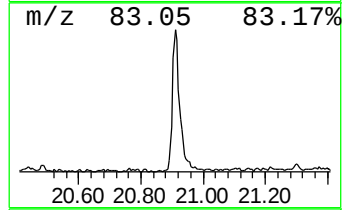
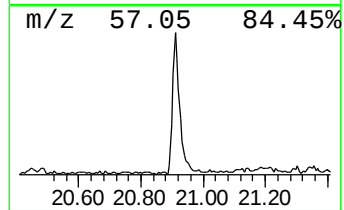
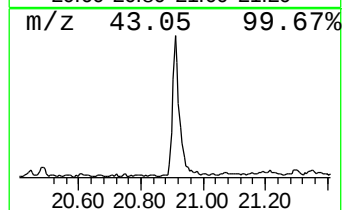
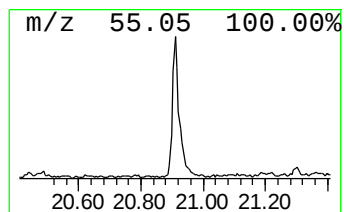
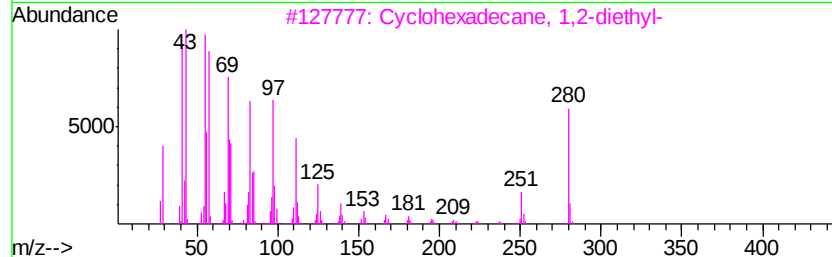
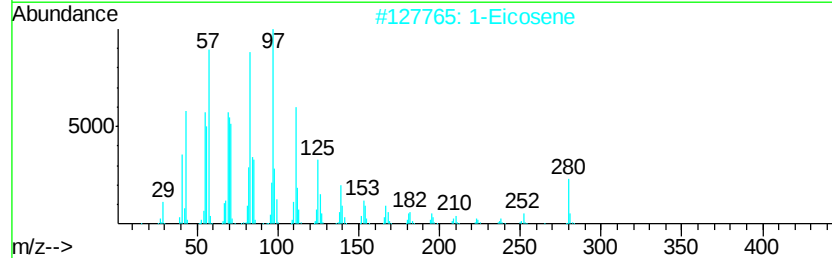
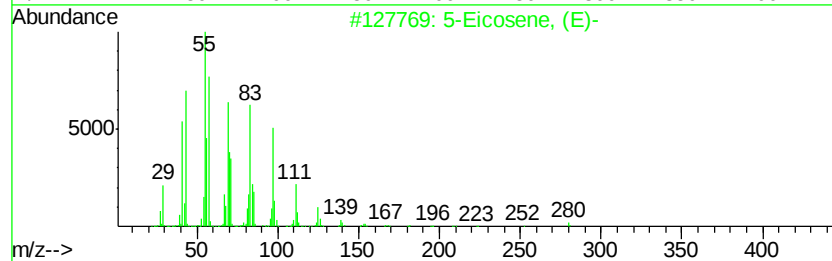
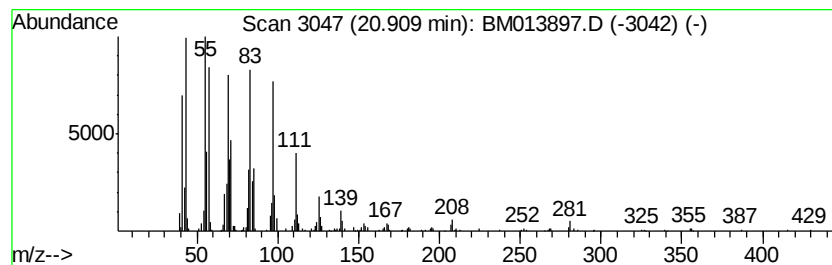
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Peak Number 2 (DEL) Alkane: Cyclic20.91 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.91 | 7.34 ng/ul | 994251 | Chrysene-d12     | 21.19 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------|-----|---------|--------------|------|
| 1    | 5  | 5-Eicosene, (E)-              | 280 | C20H40  | 074685-30-6  | 95   |
| 2    |    | 1-Eicosene                    | 280 | C20H40  | 003452-07-1  | 95   |
| 3    |    | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40  | 1000155-85-3 | 95   |
| 4    |    | 3-Eicosene, (E)-              | 280 | C20H40  | 074685-33-9  | 95   |
| 5    |    | n-Tetracosanol-1              | 354 | C24H50O | 000506-51-4  | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Pentadecanoic acid   | 17.90 | 4.9     | ng/ul | 543413   | 4                     | 16.99 | 2210340 | 20.0 |
| (DEL) Alkane: Cyc... | 20.91 | 7.3     | ng/ul | 994251   | 5                     | 21.19 | 2707530 | 20.0 |