

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020118\  
 Data File : BM014079.D  
 Acq On : 01 Feb 2018 18:34  
 Operator : SJ/JU  
 Sample : J1316-19  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C99

## 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-BM013118.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         | 3.122       | 19            | 23          | 26           | rBV3     | 27087          | 34413         | 1.49%           | 0.136%        |
| 2         | 6.745       | 633           | 639         | 658          | rVB      | 304854         | 611975        | 26.42%          | 2.415%        |
| 3         | 6.904       | 660           | 666         | 677          | rBV      | 242647         | 408887        | 17.65%          | 1.614%        |
| 4         | 7.092       | 692           | 698         | 712          | rBV      | 382407         | 632270        | 27.30%          | 2.495%        |
| 5         | 7.557       | 771           | 777         | 790          | rBV      | 342073         | 607951        | 26.25%          | 2.399%        |
| 6         | 8.275       | 892           | 899         | 912          | rBV      | 393093         | 750727        | 32.41%          | 2.962%        |
| 7         | 8.716       | 967           | 974         | 988          | rBV2     | 366362         | 663792        | 28.66%          | 2.619%        |
| 8         | 9.110       | 1035          | 1041        | 1048         | rVB5     | 14680          | 26303         | 1.14%           | 0.104%        |
| 9         | 9.433       | 1090          | 1096        | 1106         | rBV2     | 301833         | 560864        | 24.22%          | 2.213%        |
| 10        | 9.969       | 1180          | 1187        | 1201         | rBV      | 396747         | 779583        | 33.66%          | 3.076%        |
| 11        | 10.328      | 1241          | 1248        | 1256         | rBV      | 488670         | 824444        | 35.60%          | 3.253%        |
| 12        | 10.486      | 1268          | 1275        | 1291         | rBV      | 297872         | 684838        | 29.57%          | 2.702%        |
| 13        | 13.633      | 1804          | 1810        | 1815         | rBV      | 836576         | 1207989       | 52.16%          | 4.767%        |
| 14        | 13.680      | 1815          | 1818        | 1826         | rVB      | 153990         | 258683        | 11.17%          | 1.021%        |
| 15        | 13.904      | 1849          | 1856        | 1868         | rBV      | 957031         | 1454863       | 62.81%          | 5.741%        |
| 16        | 14.116      | 1886          | 1892        | 1902         | rBV3     | 38205          | 61703         | 2.66%           | 0.243%        |
| 17        | 14.210      | 1902          | 1908        | 1918         | rVB2     | 700164         | 1116296       | 48.20%          | 4.405%        |
| 18        | 14.468      | 1945          | 1952        | 1967         | rBV4     | 121386         | 388088        | 16.76%          | 1.531%        |
| 19        | 15.074      | 2051          | 2055        | 2060         | rVB      | 54168          | 66852         | 2.89%           | 0.264%        |
| 20        | 15.215      | 2072          | 2079        | 2088         | rBV      | 1164970        | 1748462       | 75.49%          | 6.900%        |
| 21        | 15.363      | 2098          | 2104        | 2117         | rBV2     | 238479         | 450744        | 19.46%          | 1.779%        |
| 22        | 15.468      | 2117          | 2122        | 2129         | rVB10    | 22894          | 51362         | 2.22%           | 0.203%        |
| 23        | 15.945      | 2198          | 2203        | 2209         | rBV3     | 41677          | 69406         | 3.00%           | 0.274%        |
| 24        | 16.739      | 2332          | 2338        | 2341         | rBV2     | 21118          | 29539         | 1.28%           | 0.117%        |
| 25        | 16.968      | 2371          | 2377        | 2385         | rBV2     | 993192         | 1357434       | 58.61%          | 5.357%        |
| 26        | 17.068      | 2388          | 2394        | 2404         | rBV2     | 1209040        | 1883370       | 81.32%          | 7.432%        |
| 27        | 17.874      | 2527          | 2531        | 2546         | rBV3     | 191642         | 351777        | 15.19%          | 1.388%        |
| 28        | 19.021      | 2722          | 2726        | 2729         | rBV6     | 18769          | 23823         | 1.03%           | 0.094%        |
| 29        | 19.168      | 2746          | 2751        | 2758         | rBV      | 103506         | 175047        | 7.56%           | 0.691%        |
| 30        | 19.374      | 2780          | 2786        | 2793         | rBV      | 1562691        | 2153045       | 92.96%          | 8.496%        |
| 31        | 20.892      | 3039          | 3044        | 3054         | rBV3     | 261496         | 458855        | 19.81%          | 1.811%        |
| 32        | 21.174      | 3087          | 3092        | 3102         | rBV      | 1147782        | 1629015       | 70.33%          | 6.428%        |
| 33        | 23.221      | 3433          | 3440        | 3451         | rVB2     | 1243073        | 2316113       | 100.00%         | 9.140%        |
| 34        | 23.356      | 3457          | 3463        | 3472         | rVB      | 800675         | 1502744       | 64.88%          | 5.930%        |

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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-BM013118.M  
Title : SVOA CALIBRATION

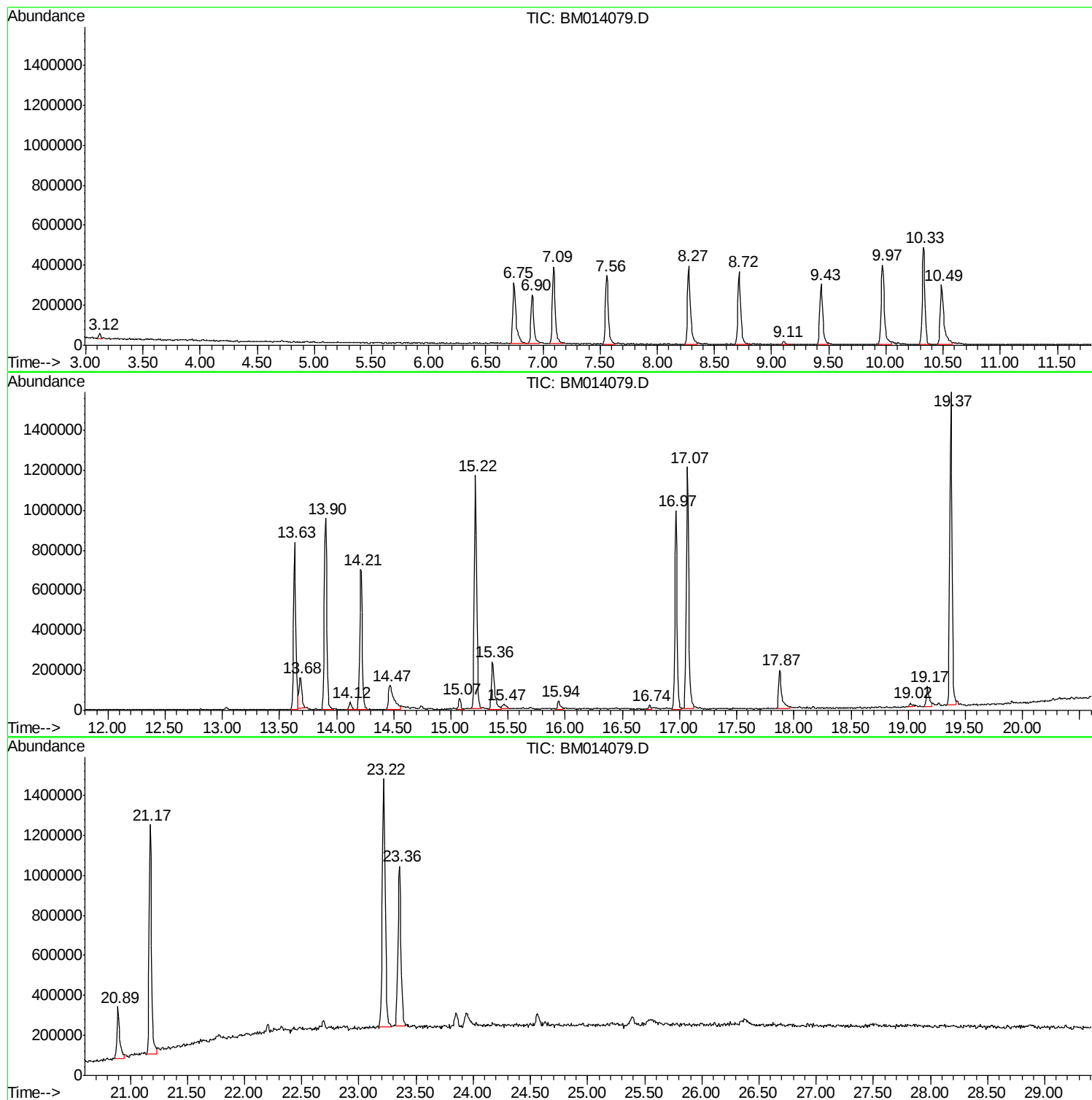
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

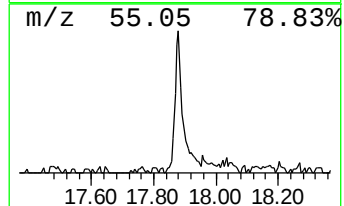
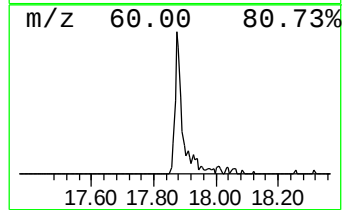
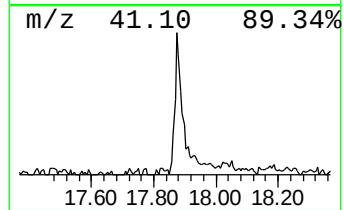
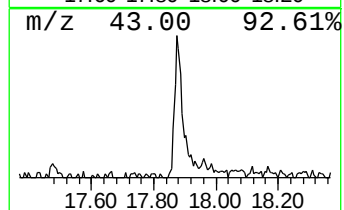
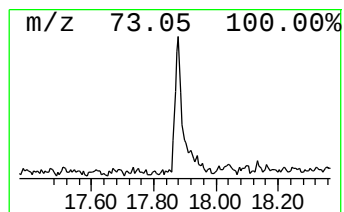
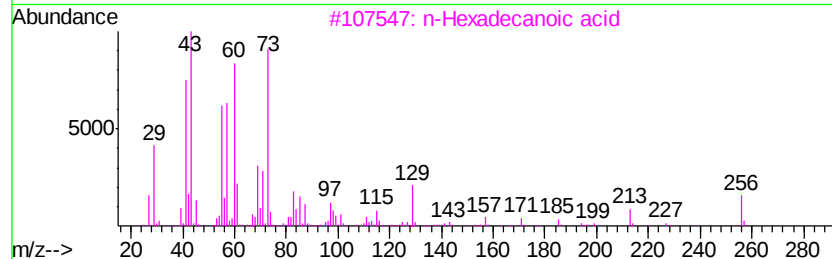
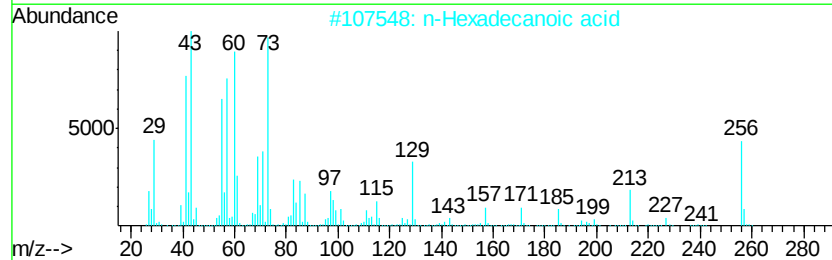
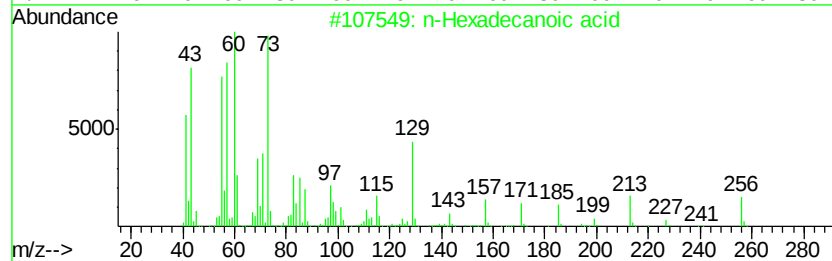
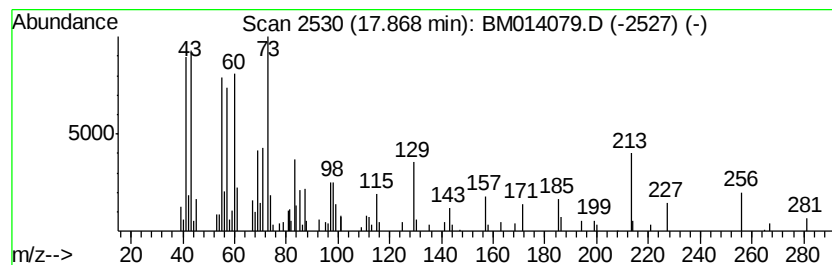
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.87 | 5.18 ng/ul | 351777 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76   |
| 4    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 58   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

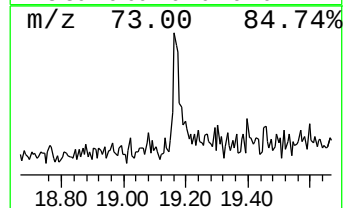
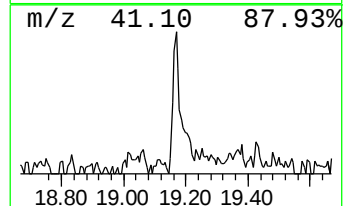
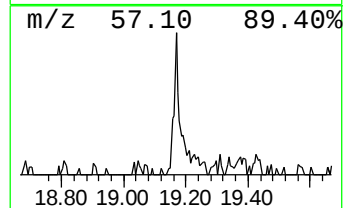
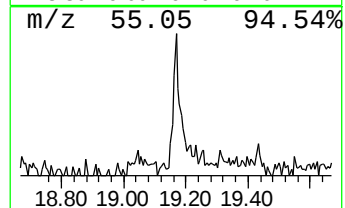
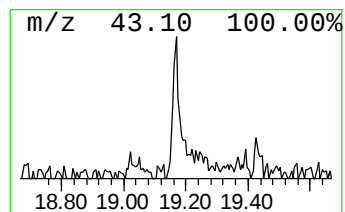
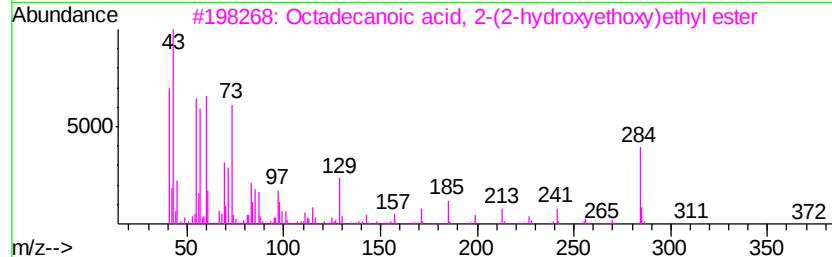
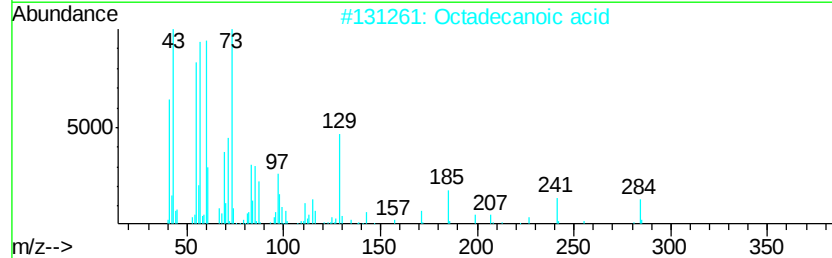
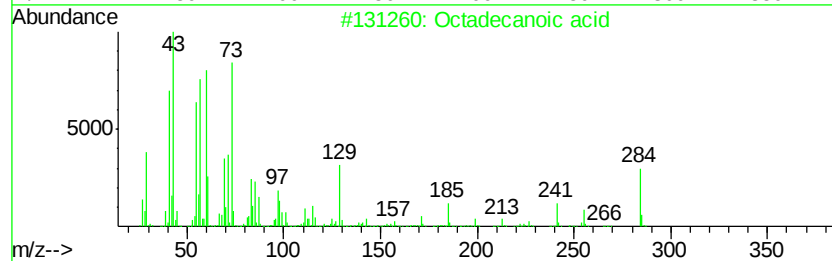
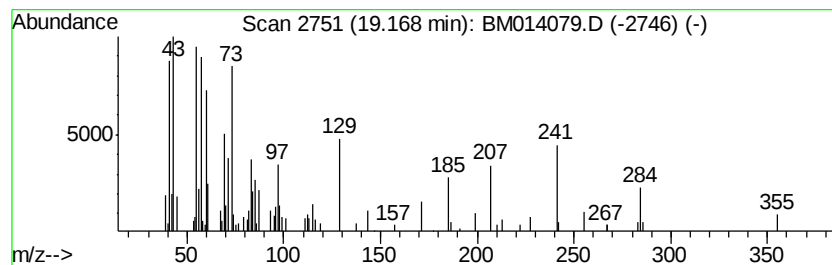
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.17 | 2.15 ng/ul | 175047 | Chrysene-d12     | 21.17 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 86   |
| 2    |    | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 78   |
| 3    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6 | 68   |
| 4    |    | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 60   |
| 5    |    | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 53   |



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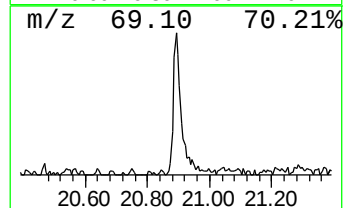
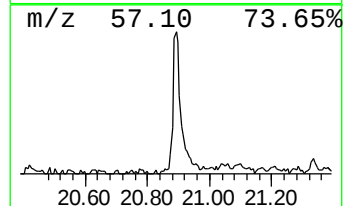
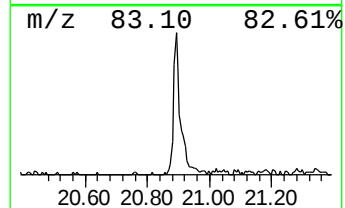
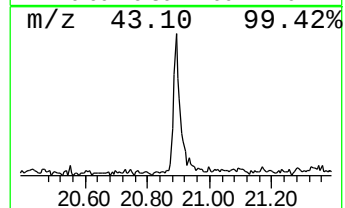
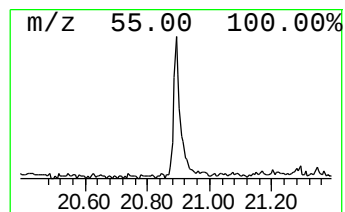
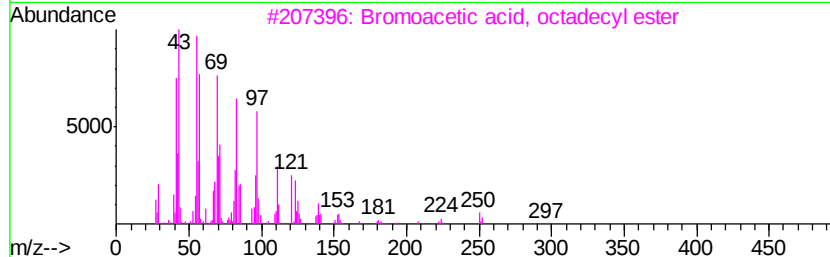
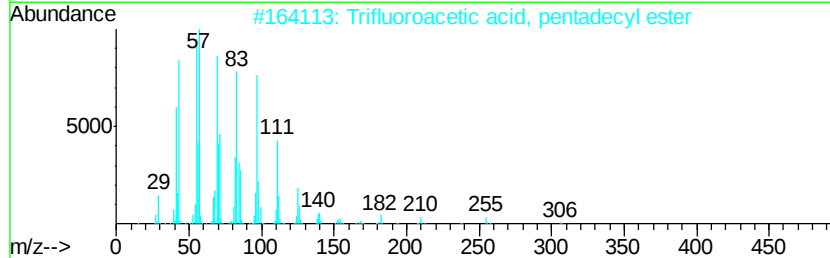
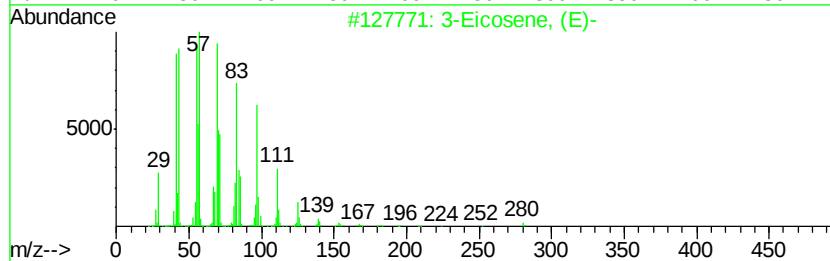
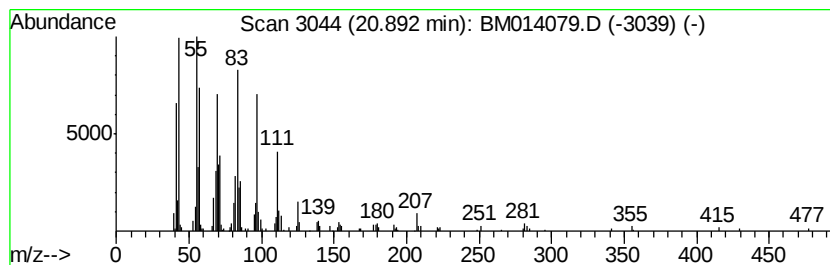
Instrument :  
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ClientSampleId :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Cyclic20.89 Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |              |      |
|---------|-------------------------------------|--------------|------------------|-------------|--------------|------|
| 20.89   | 5.63 ng/ul                          | 458855       | Chrysene-d12     | 21.17       |              |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#         | Qual |
| 1       | 3-Eicosene, (E)-                    |              | 280              | C20H40      | 074685-33-9  | 95   |
| 2       | Trifluoroacetic acid, pentadecyl... |              | 324              | C17H31F3O2  | 959010-23-2  | 91   |
| 3       | Bromoacetic acid, octadecyl ester   |              | 390              | C20H39BrO2  | 018992-03-5  | 91   |
| 4       | Cyclohexadecane, 1,2-diethyl-       |              | 280              | C20H40      | 1000155-85-3 | 90   |
| 5       | Dichloroacetic acid, heptadecyl ... |              | 366              | C19H36Cl2O2 | 1000282-98-2 | 87   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.87 | 5.2     | ng/ul | 351777   | 4                     | 16.97 | 1357430 | 20.0 |
| Octadecanoic acid    | 19.17 | 2.1     | ng/ul | 175047   | 5                     | 21.17 | 1629020 | 20.0 |
| (DEL) Alkane: Cyc... | 20.89 | 5.6     | ng/ul | 458855   | 5                     | 21.17 | 1629020 | 20.0 |