

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013118\  
 Data File : BM014059.D  
 Acq On : 01 Feb 2018 06:27  
 Operator : SJ/JU  
 Sample : J1317-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6D03

## 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          | 30           | rBV      | 39118          | 53530         | 1.24%           | 0.119%        |
| 2         | 6.745       | 633           | 639         | 656          | rVB2     | 632450         | 1216300       | 28.21%          | 2.701%        |
| 3         | 6.904       | 660           | 666         | 679          | rBV      | 470794         | 774479        | 17.96%          | 1.720%        |
| 4         | 7.092       | 692           | 698         | 712          | rBV      | 692838         | 1161019       | 26.93%          | 2.578%        |
| 5         | 7.557       | 768           | 777         | 789          | rBV      | 480737         | 820239        | 19.02%          | 1.822%        |
| 6         | 8.275       | 890           | 899         | 915          | rBV2     | 820506         | 1452277       | 33.68%          | 3.225%        |
| 7         | 8.716       | 968           | 974         | 984          | rBV      | 734195         | 1250579       | 29.01%          | 2.777%        |
| 8         | 9.433       | 1089          | 1096        | 1111         | rBV      | 597970         | 1118700       | 25.95%          | 2.484%        |
| 9         | 9.969       | 1180          | 1187        | 1202         | rBV      | 792461         | 1543875       | 35.81%          | 3.429%        |
| 10        | 10.333      | 1242          | 1249        | 1256         | rBV      | 659769         | 1112488       | 25.80%          | 2.471%        |
| 11        | 10.486      | 1267          | 1275        | 1292         | rBV      | 711284         | 1438388       | 33.36%          | 3.194%        |
| 12        | 13.633      | 1804          | 1810        | 1815         | rBV      | 1718041        | 2432820       | 56.43%          | 5.403%        |
| 13        | 13.680      | 1815          | 1818        | 1826         | rVB      | 397305         | 622021        | 14.43%          | 1.381%        |
| 14        | 13.904      | 1848          | 1856        | 1863         | rBV      | 1941445        | 2865322       | 66.46%          | 6.363%        |
| 15        | 14.121      | 1887          | 1893        | 1900         | rBV      | 80889          | 109807        | 2.55%           | 0.244%        |
| 16        | 14.215      | 1900          | 1909        | 1917         | rBV2     | 999335         | 1561168       | 36.21%          | 3.467%        |
| 17        | 14.457      | 1944          | 1950        | 1967         | rBV2     | 371153         | 925493        | 21.47%          | 2.055%        |
| 18        | 15.021      | 2040          | 2046        | 2051         | rBV2     | 45595          | 67955         | 1.58%           | 0.151%        |
| 19        | 15.080      | 2051          | 2056        | 2061         | rVB      | 93922          | 130916        | 3.04%           | 0.291%        |
| 20        | 15.215      | 2073          | 2079        | 2090         | rVB      | 2390318        | 3397175       | 78.79%          | 7.544%        |
| 21        | 15.362      | 2099          | 2104        | 2116         | rBV      | 556937         | 930520        | 21.58%          | 2.066%        |
| 22        | 15.457      | 2116          | 2120        | 2123         | rBV3     | 31226          | 50362         | 1.17%           | 0.112%        |
| 23        | 15.945      | 2199          | 2203        | 2217         | rVB      | 91184          | 158673        | 3.68%           | 0.352%        |
| 24        | 16.739      | 2333          | 2338        | 2341         | rBV      | 54455          | 73586         | 1.71%           | 0.163%        |
| 25        | 16.968      | 2371          | 2377        | 2388         | rBV      | 1333293        | 1877217       | 43.54%          | 4.169%        |
| 26        | 17.068      | 2388          | 2394        | 2408         | rVV2     | 2592535        | 3738364       | 86.71%          | 8.302%        |
| 27        | 17.474      | 2459          | 2463        | 2468         | rBV3     | 43654          | 53182         | 1.23%           | 0.118%        |
| 28        | 17.880      | 2525          | 2532        | 2547         | rBV2     | 283670         | 508959        | 11.80%          | 1.130%        |
| 29        | 18.168      | 2576          | 2581        | 2586         | rVB6     | 35575          | 50061         | 1.16%           | 0.111%        |
| 30        | 19.015      | 2721          | 2725        | 2728         | rBV2     | 58366          | 84551         | 1.96%           | 0.188%        |
| 31        | 19.168      | 2745          | 2751        | 2763         | rBV2     | 179507         | 335203        | 7.77%           | 0.744%        |
| 32        | 19.262      | 2764          | 2767        | 2775         | rVV3     | 34023          | 56813         | 1.32%           | 0.126%        |
| 33        | 19.374      | 2779          | 2786        | 2800         | rBV      | 3106448        | 4311565       | 100.00%         | 9.575%        |
| 34        | 20.897      | 3041          | 3045        | 3055         | rBV4     | 122901         | 225072        | 5.22%           | 0.500%        |

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Max Peaks: 100  
Peak Location: TOP

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Peak separation: 5

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 21.174 | 3087 | 3092 | 3101 | rBV  | 1557723 | 2208669 | 51.23% | 4.905% |
| 36 | 22.209 | 3264 | 3268 | 3274 | rBV8 | 133751  | 193631  | 4.49%  | 0.430% |
| 37 | 23.221 | 3433 | 3440 | 3449 | rVB2 | 2294216 | 4123619 | 95.64% | 9.158% |
| 38 | 23.356 | 3457 | 3463 | 3475 | rVB  | 1025120 | 1994692 | 46.26% | 4.430% |

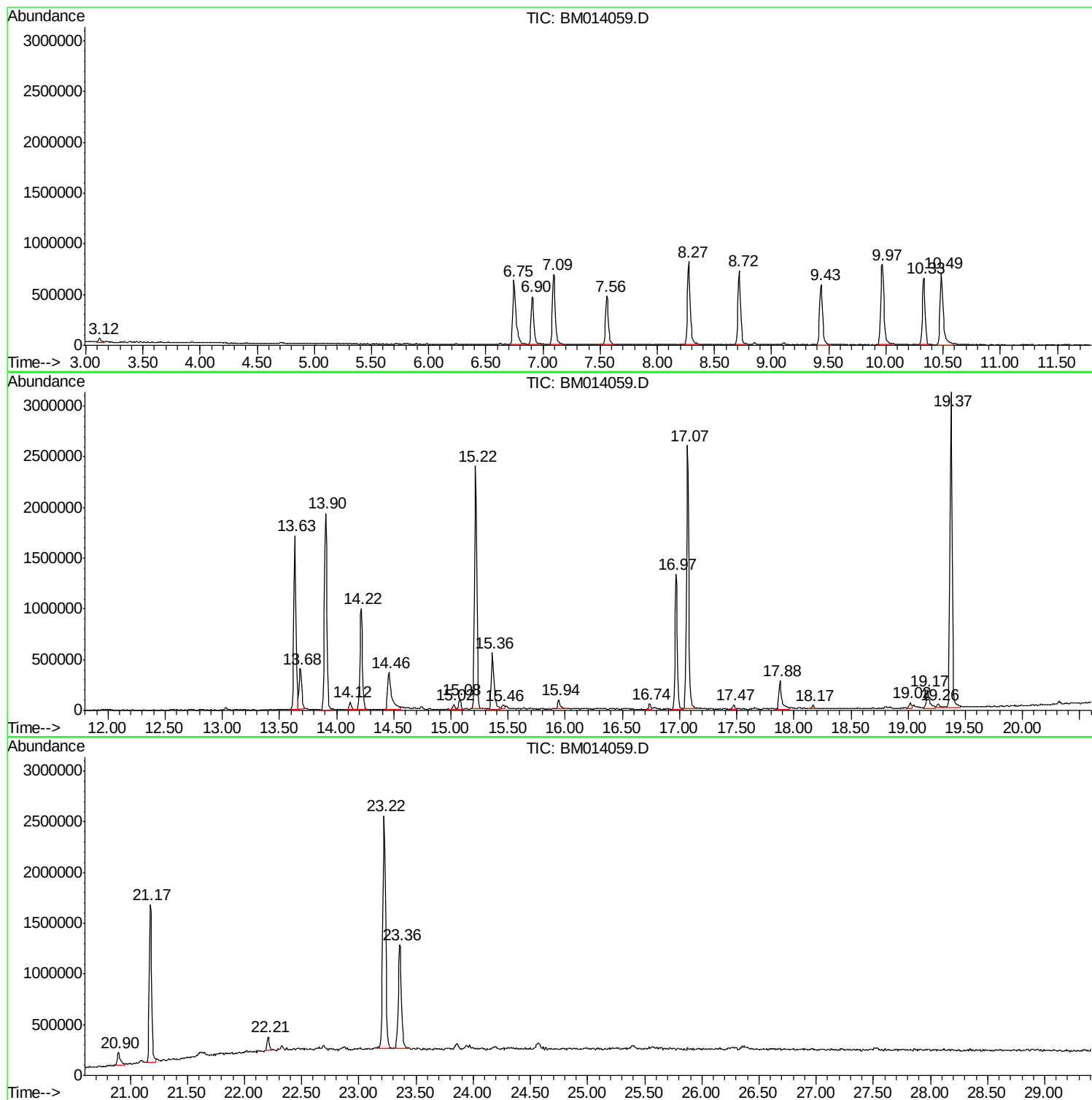
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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



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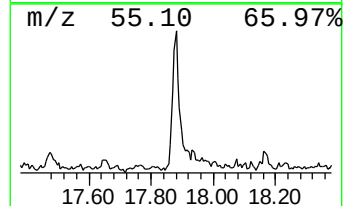
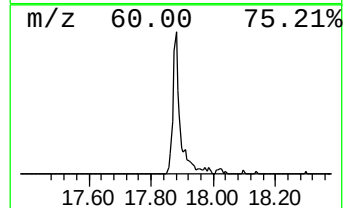
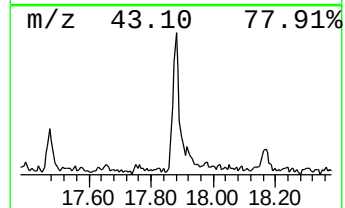
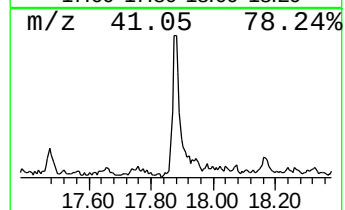
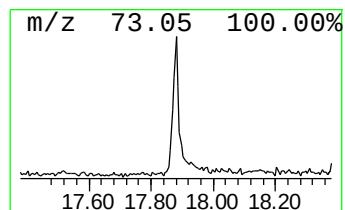
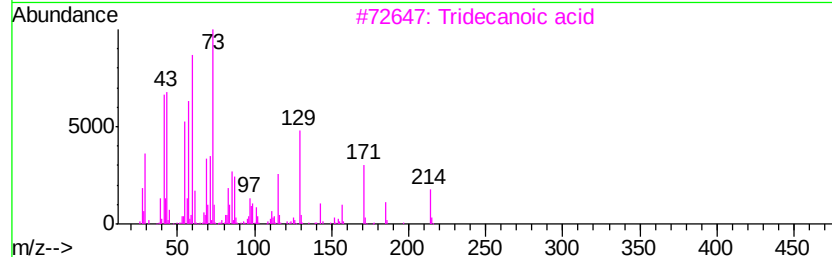
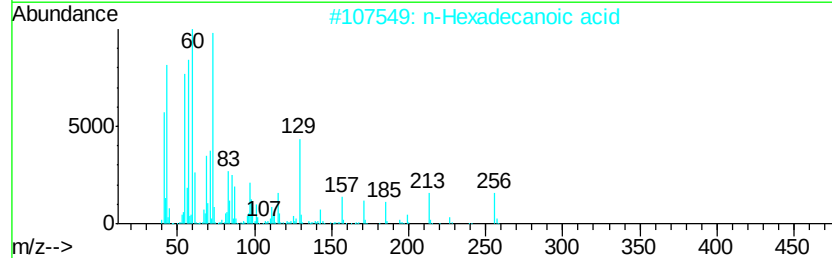
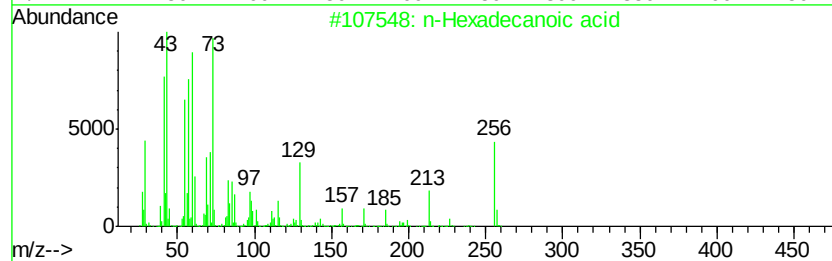
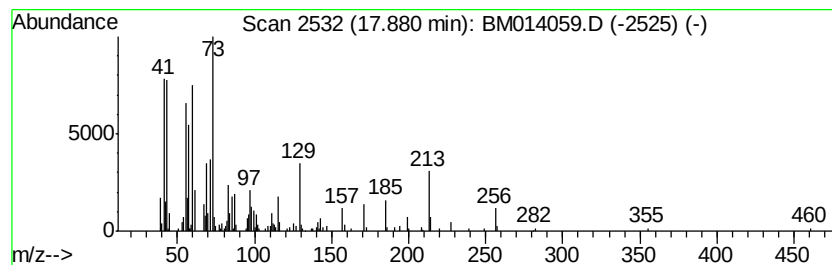
Instrument :  
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD |          | R.T.        |      |
|---------|---------------------|--------------|------------------|----------|-------------|------|
| 17.88   | 5.42 ng/ul          | 508959       | Phenanthrene-d10 |          | 16.97       |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 98   |
| 2       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 97   |
| 3       | Tridecanoic acid    |              | 214              | C13H26O2 | 000638-53-9 | 95   |
| 4       | Tridecanoic acid    |              | 214              | C13H26O2 | 000638-53-9 | 83   |
| 5       | Pentadecanoic acid  |              | 242              | C15H30O2 | 001002-84-2 | 76   |



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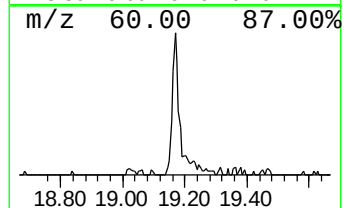
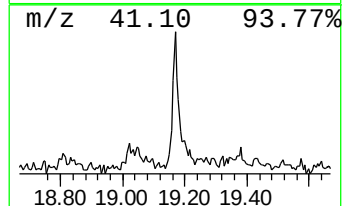
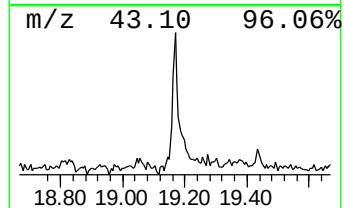
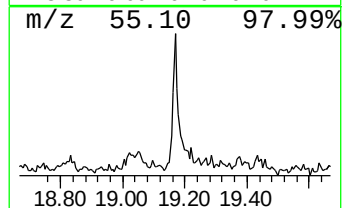
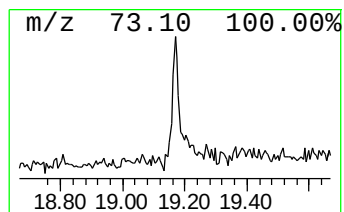
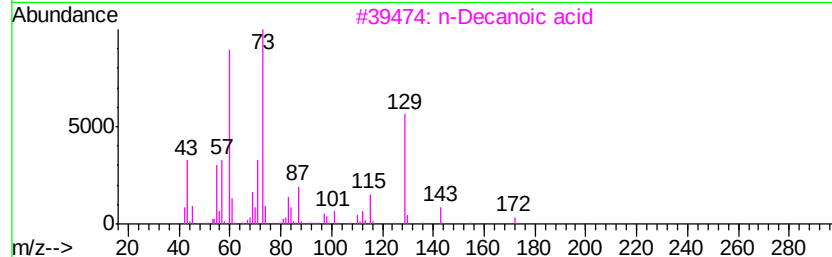
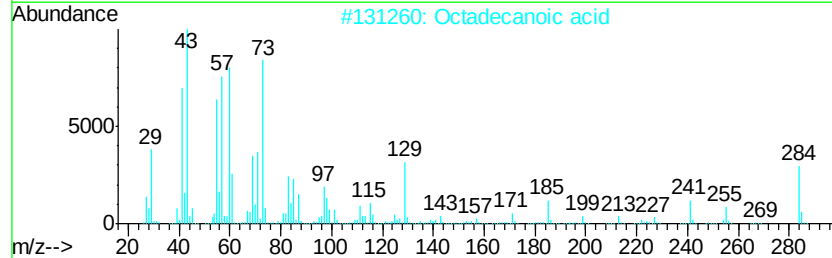
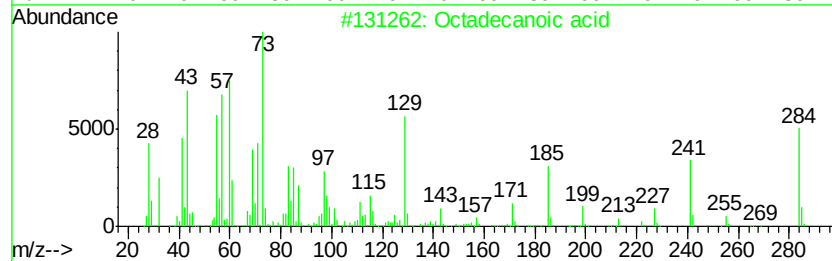
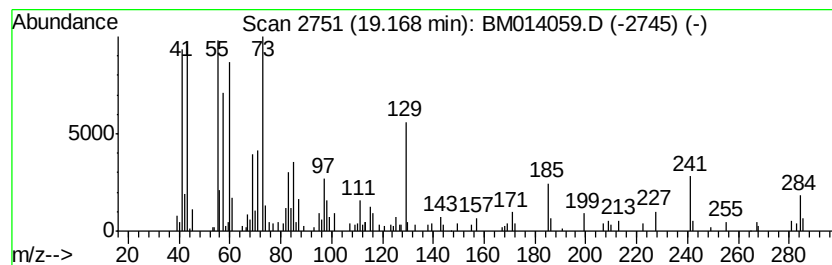
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.17 | 3.04 ng/ul | 335203 | Chrysene-d12     | 21.17 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96   |
| 2    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93   |
| 3    |    |   | n-Decanoic acid   | 172 | C10H20O2 | 000334-48-5 | 78   |
| 4    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 70   |
| 5    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 64   |



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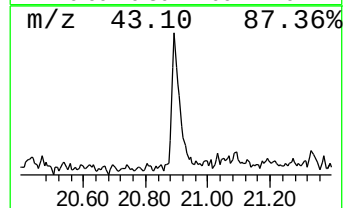
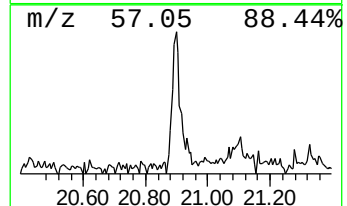
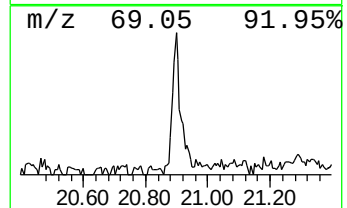
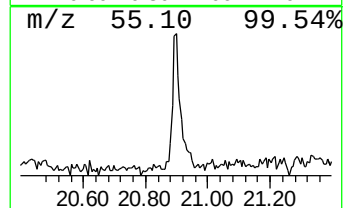
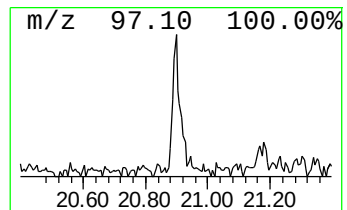
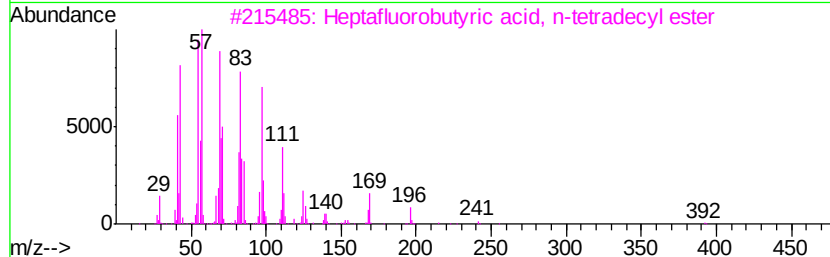
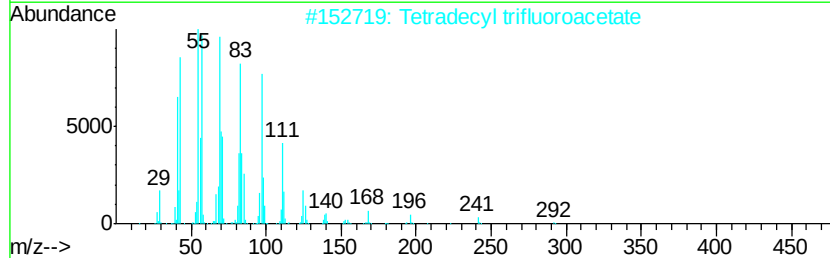
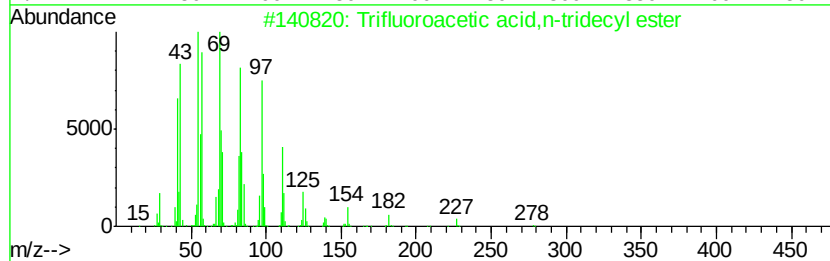
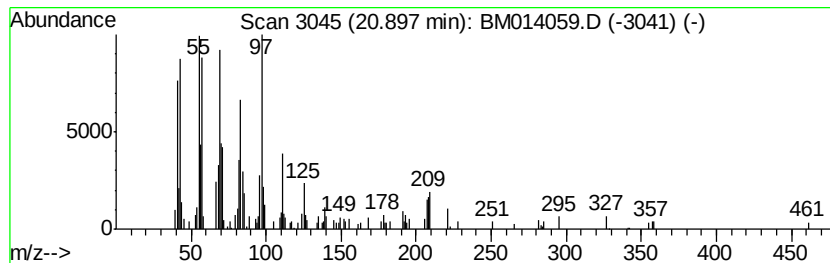
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Trifluoroacetic acid,n-trid... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.90 | 2.04 ng/ul | 225072 | Chrysene-d12     | 21.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Trifluoroacetic acid,n-tridecyl ... | 296 | C15H27F3O2 | 053800-02-5 | 76   |
| 2    |    | Tetradecyl trifluoroacetate         | 310 | C16H29F3O2 | 006222-02-2 | 76   |
| 3    |    | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 68   |
| 4    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 68   |
| 5    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 68   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.88 | 5.4     | ng/ul | 508959   | 4                     | 16.97 | 1877220 | 20.0 |
| Octadecanoic acid    | 19.17 | 3.0     | ng/ul | 335203   | 5                     | 21.17 | 2208670 | 20.0 |
| Trifluoroacetic a... | 20.90 | 2.0     | ng/ul | 225072   | 5                     | 21.17 | 2208670 | 20.0 |