

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM013118\  
 Data File : BM014063.D  
 Acq On : 01 Feb 2018 08:50  
 Operator : SJ/JU  
 Sample : J1316-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C86

## 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           | rBV      | 37830          | 40461         | 1.16%           | 0.103%        |
| 2         | 6.746       | 633           | 639         | 656          | rBV2     | 517070         | 1033708       | 29.70%          | 2.635%        |
| 3         | 6.904       | 660           | 666         | 676          | rBV      | 411621         | 642116        | 18.45%          | 1.637%        |
| 4         | 7.093       | 692           | 698         | 715          | rBV      | 607319         | 1001087       | 28.76%          | 2.552%        |
| 5         | 7.557       | 770           | 777         | 788          | rBV      | 502424         | 833564        | 23.95%          | 2.125%        |
| 6         | 8.275       | 892           | 899         | 915          | rBV      | 662796         | 1216140       | 34.94%          | 3.100%        |
| 7         | 8.716       | 967           | 974         | 985          | rBV      | 616305         | 1031026       | 29.62%          | 2.628%        |
| 8         | 9.110       | 1035          | 1041        | 1047         | rVB2     | 28638          | 41239         | 1.18%           | 0.105%        |
| 9         | 9.434       | 1089          | 1096        | 1107         | rBV      | 491871         | 924095        | 26.55%          | 2.356%        |
| 10        | 9.969       | 1180          | 1187        | 1200         | rBV      | 680794         | 1300797       | 37.37%          | 3.316%        |
| 11        | 10.328      | 1241          | 1248        | 1261         | rBV      | 673314         | 1151902       | 33.10%          | 2.937%        |
| 12        | 10.486      | 1266          | 1275        | 1289         | rBV      | 553312         | 1161402       | 33.37%          | 2.961%        |
| 13        | 11.681      | 1472          | 1478        | 1484         | rBV8     | 22278          | 53376         | 1.53%           | 0.136%        |
| 14        | 13.633      | 1804          | 1810        | 1814         | rBV      | 1371167        | 1912311       | 54.94%          | 4.875%        |
| 15        | 13.680      | 1814          | 1818        | 1826         | rVB      | 656445         | 960406        | 27.59%          | 2.448%        |
| 16        | 13.904      | 1849          | 1856        | 1869         | rVB      | 1570960        | 2279967       | 65.51%          | 5.812%        |
| 17        | 14.116      | 1884          | 1892        | 1901         | rBV2     | 33934          | 57231         | 1.64%           | 0.146%        |
| 18        | 14.216      | 1901          | 1909        | 1921         | rVB2     | 965877         | 1516424       | 43.57%          | 3.866%        |
| 19        | 14.457      | 1944          | 1950        | 1968         | rBV      | 266949         | 716299        | 20.58%          | 1.826%        |
| 20        | 15.074      | 2051          | 2055        | 2060         | rVB3     | 37450          | 49987         | 1.44%           | 0.127%        |
| 21        | 15.216      | 2072          | 2079        | 2089         | rBV      | 1925246        | 2743768       | 78.83%          | 6.995%        |
| 22        | 15.363      | 2098          | 2104        | 2117         | rBV      | 450819         | 753420        | 21.65%          | 1.921%        |
| 23        | 15.463      | 2117          | 2121        | 2129         | rVB7     | 25322          | 44835         | 1.29%           | 0.114%        |
| 24        | 15.592      | 2136          | 2143        | 2149         | rBV      | 144292         | 208365        | 5.99%           | 0.531%        |
| 25        | 15.945      | 2199          | 2203        | 2210         | rVB4     | 24743          | 39528         | 1.14%           | 0.101%        |
| 26        | 16.968      | 2371          | 2377        | 2388         | rBV      | 1323629        | 1802640       | 51.79%          | 4.595%        |
| 27        | 17.068      | 2388          | 2394        | 2408         | rBV      | 2043783        | 2963770       | 85.15%          | 7.555%        |
| 28        | 17.880      | 2524          | 2532        | 2543         | rBV2     | 326286         | 542818        | 15.60%          | 1.384%        |
| 29        | 18.257      | 2591          | 2596        | 2599         | rBV5     | 26790          | 41925         | 1.20%           | 0.107%        |
| 30        | 19.021      | 2718          | 2726        | 2728         | rBV4     | 70042          | 102569        | 2.95%           | 0.261%        |
| 31        | 19.168      | 2746          | 2751        | 2762         | rBV2     | 316137         | 547358        | 15.73%          | 1.395%        |
| 32        | 19.262      | 2765          | 2767        | 2773         | rVB3     | 30632          | 42782         | 1.23%           | 0.109%        |
| 33        | 19.374      | 2781          | 2786        | 2793         | rBV      | 2453092        | 3341071       | 95.99%          | 8.517%        |
| 34        | 19.433      | 2793          | 2796        | 2803         | rVB4     | 47167          | 76639         | 2.20%           | 0.195%        |

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Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6C86

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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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

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 20.898 | 3040 | 3045 | 3053 | rBV3 | 175523  | 309436  | 8.89%   | 0.789% |
| 36 | 21.174 | 3087 | 3092 | 3102 | rBV  | 1551437 | 2202784 | 63.29%  | 5.616% |
| 37 | 23.221 | 3433 | 3440 | 3451 | rVB2 | 1885813 | 3480490 | 100.00% | 8.873% |
| 38 | 23.356 | 3457 | 3463 | 3476 | rVB2 | 1048375 | 2059040 | 59.16%  | 5.249% |

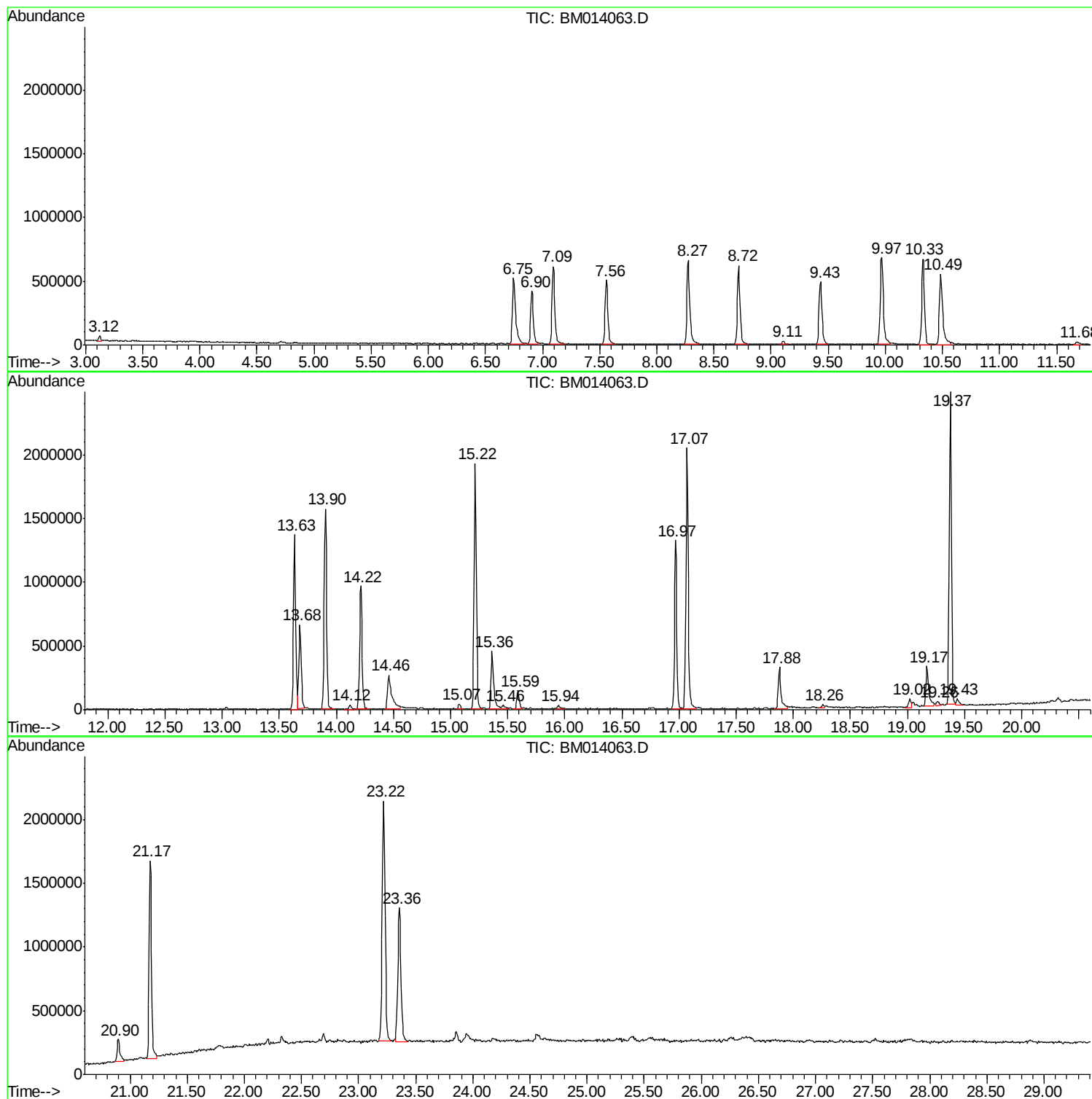
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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



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

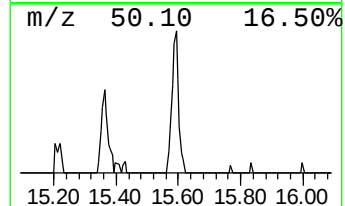
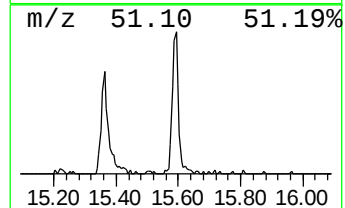
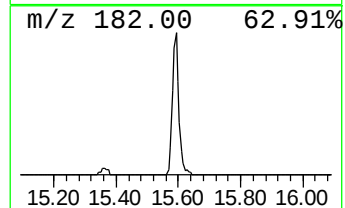
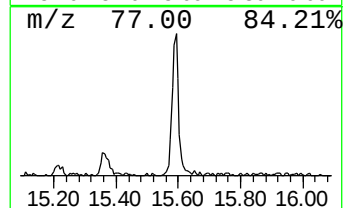
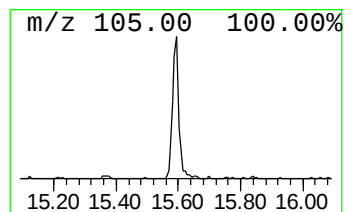
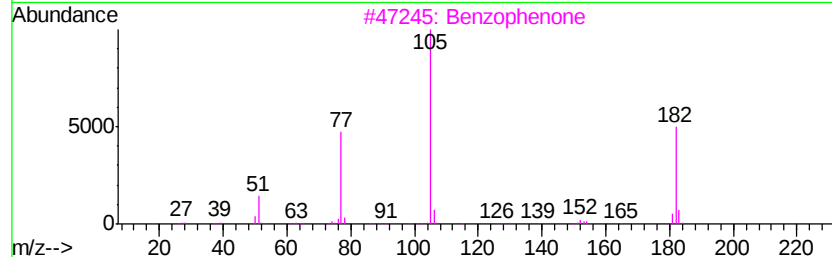
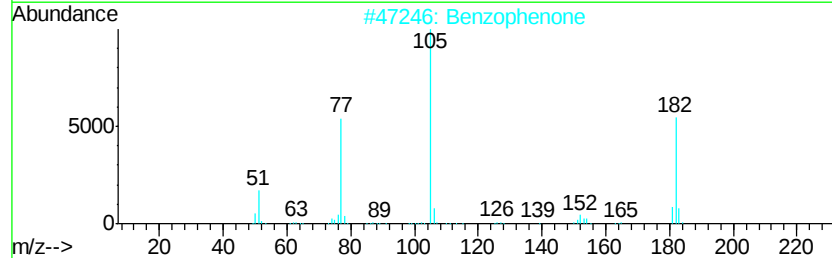
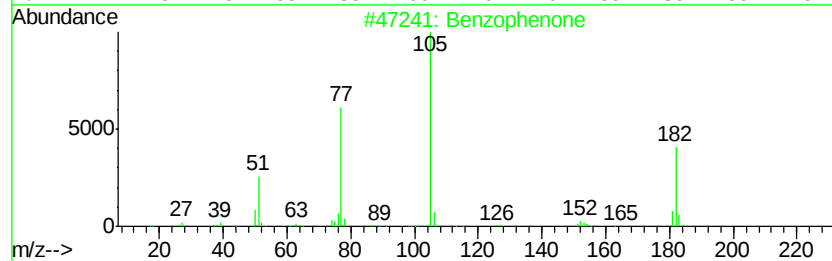
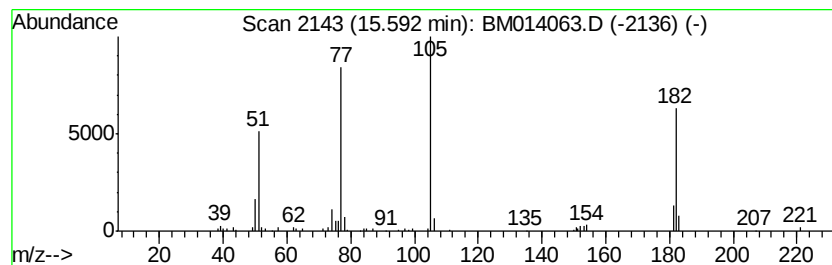
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Benzophenone Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.59 | 2.75 ng/ul | 208365 | Acenaphthene-d10 | 14.22 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |
| 2    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |
| 3    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |
| 4    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 87   |
| 5    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 80   |



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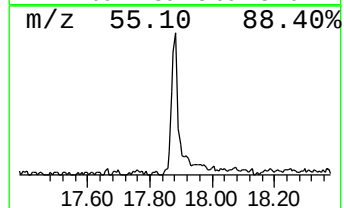
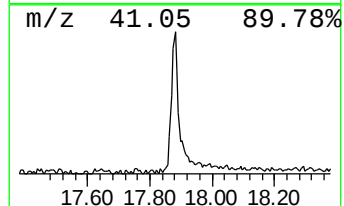
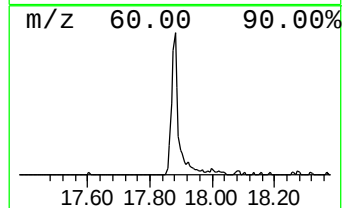
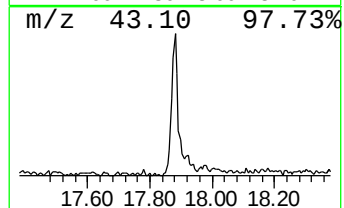
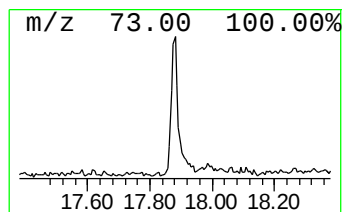
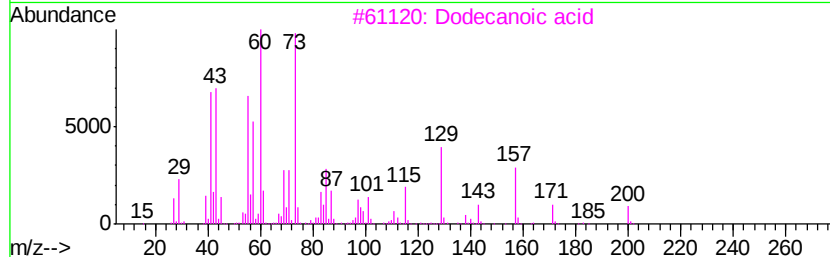
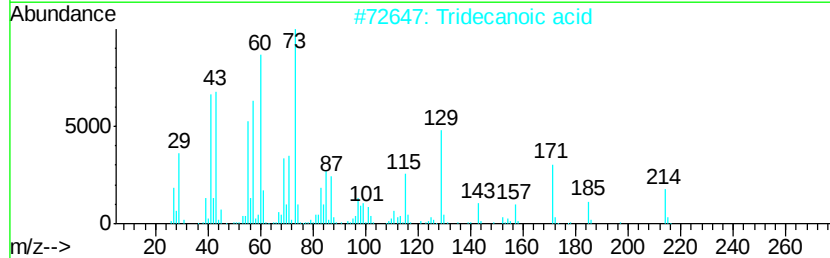
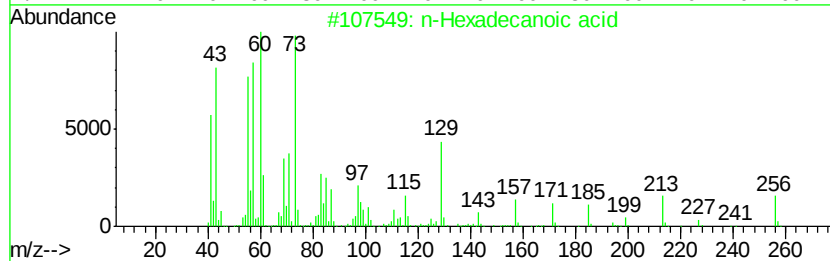
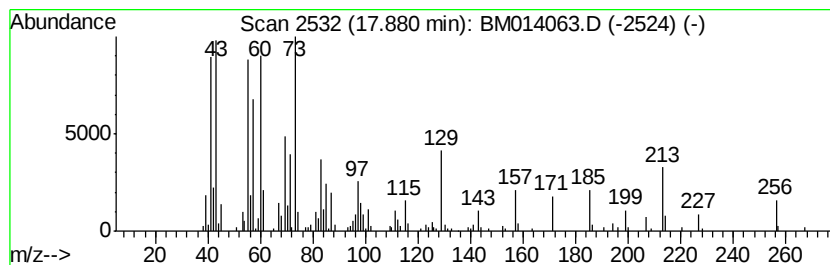
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.88   | 6.02 ng/ul | 542818              | Phenanthrene-d10 | 16.97    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 98   |
| 2       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 93   |
| 3       |            | Dodecanoic acid     | 200              | C12H24O2 | 000143-07-7 | 89   |
| 4       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 83   |
| 5       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 74   |



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ALS Vial : 29 Sample Multiplier: 1

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

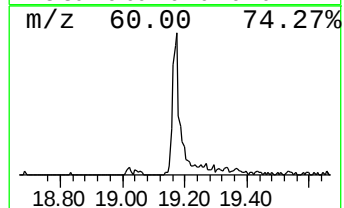
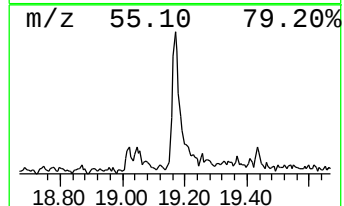
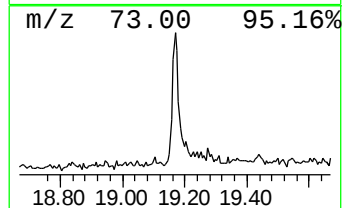
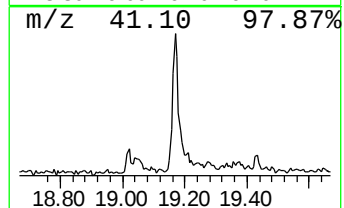
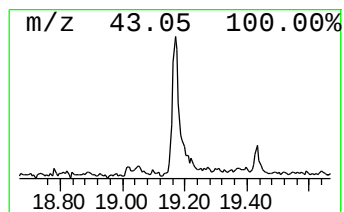
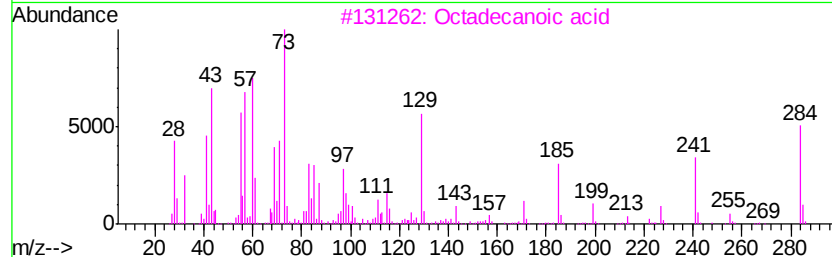
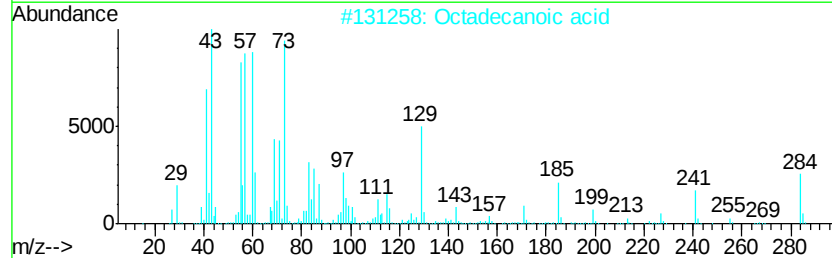
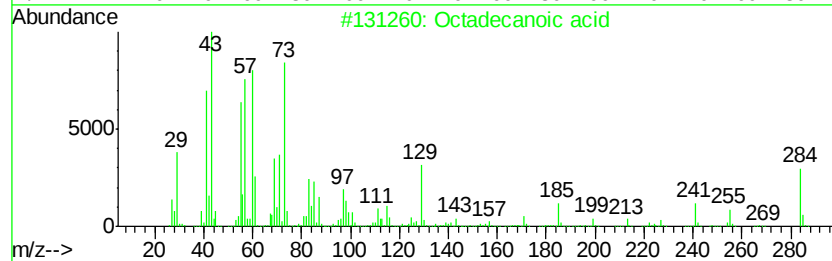
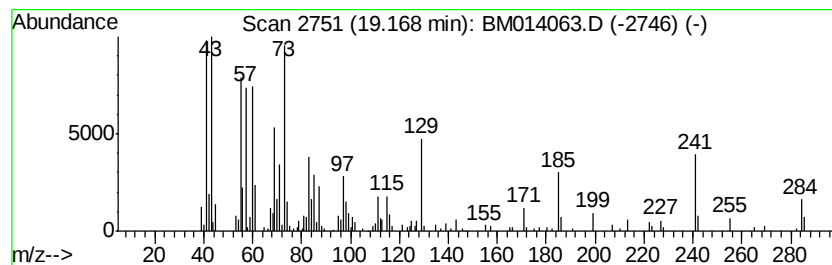
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.17 | 4.97 ng/ul | 547358 | Chrysene-d12     | 21.17 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95   |
| 2    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93   |
| 3    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91   |
| 4    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 70   |
| 5    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 64   |



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

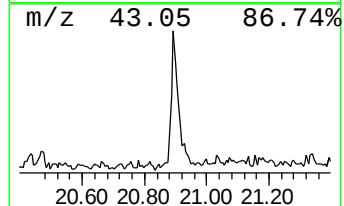
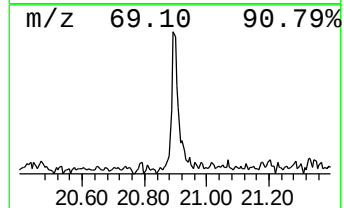
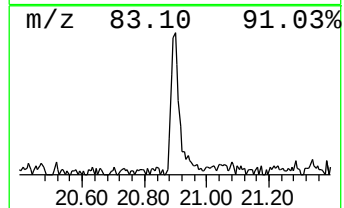
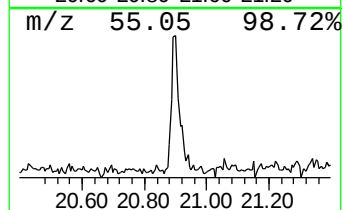
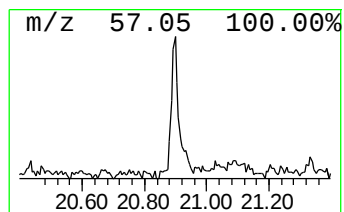
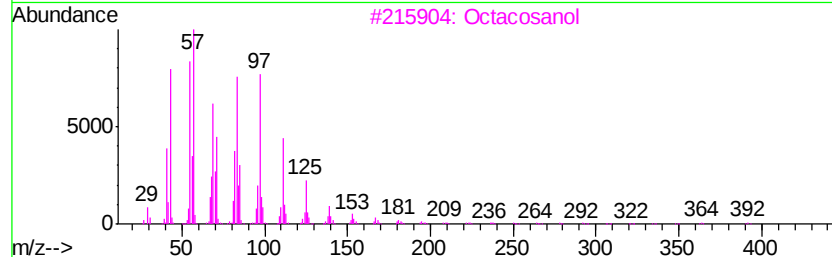
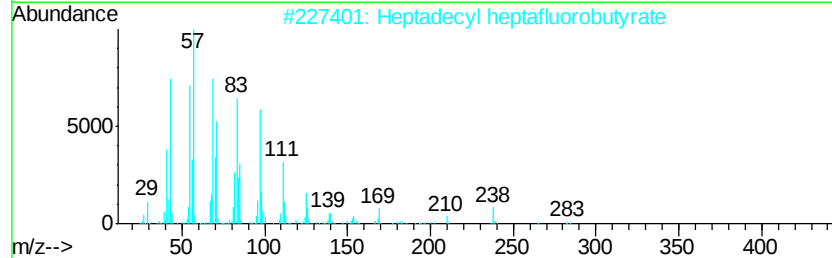
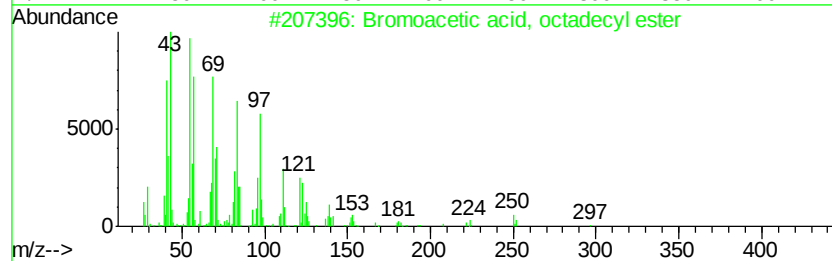
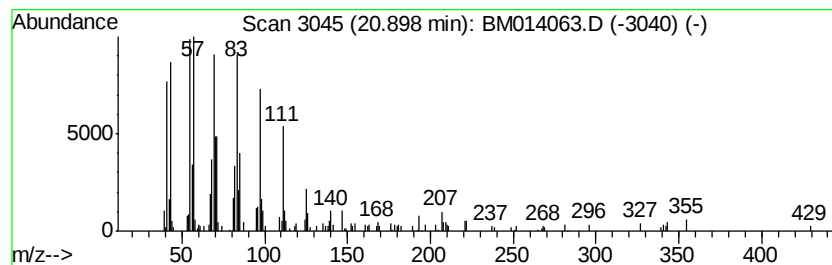
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Bromoacetic acid, octadecyl... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.90 | 2.81 ng/ul | 309436 | Chrysene-d12     | 21.17 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
|------|----|-----------------------------------|-----|------------|-------------|------|
| 1    | 5  | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 87   |
| 2    |    | Heptadecyl heptafluorobutyrate    | 452 | C21H35F7O2 | 959085-66-6 | 76   |
| 3    |    | Octacosanol                       | 410 | C28H58O    | 000557-61-9 | 76   |
| 4    |    | Trifluoroacetoxy hexadecane       | 338 | C18H33F3O2 | 006222-03-3 | 76   |
| 5    |    | Cyclotetracosane                  | 336 | C24H48     | 000297-03-0 | 62   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzophenone         | 15.59 | 2.8     | ng/ul | 208365   | 3                     | 14.22 | 1516420 | 20.0 |
| n-Hexadecanoic acid  | 17.88 | 6.0     | ng/ul | 542818   | 4                     | 16.97 | 1802640 | 20.0 |
| Octadecanoic acid    | 19.17 | 5.0     | ng/ul | 547358   | 5                     | 21.17 | 2202780 | 20.0 |
| Bromoacetic acid,... | 20.90 | 2.8     | ng/ul | 309436   | 5                     | 21.17 | 2202780 | 20.0 |