

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
 Data File : BM013827.D  
 Acq On : 26 Jan 2018 03:55  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6B14

## 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          | 32           | rVB      | 42351          | 51920         | 1.28%           | 0.110%        |
| 2         | 6.775       | 638           | 644         | 657          | rBV      | 738541         | 1335995       | 33.06%          | 2.837%        |
| 3         | 6.934       | 664           | 671         | 681          | rBV      | 581097         | 899773        | 22.26%          | 1.911%        |
| 4         | 7.128       | 694           | 704         | 717          | rBV      | 823228         | 1308757       | 32.38%          | 2.780%        |
| 5         | 7.587       | 776           | 782         | 791          | rBV      | 605563         | 979902        | 24.25%          | 2.081%        |
| 6         | 8.304       | 897           | 904         | 915          | rBV      | 889031         | 1478677       | 36.59%          | 3.141%        |
| 7         | 8.745       | 972           | 979         | 988          | rBV      | 790511         | 1303578       | 32.26%          | 2.769%        |
| 8         | 9.463       | 1094          | 1101        | 1110         | rBV      | 682428         | 1155823       | 28.60%          | 2.455%        |
| 9         | 9.998       | 1184          | 1192        | 1205         | rBV      | 931482         | 1644519       | 40.69%          | 3.493%        |
| 10        | 10.363      | 1246          | 1254        | 1262         | rVB      | 772419         | 1245250       | 30.81%          | 2.645%        |
| 11        | 10.516      | 1273          | 1280        | 1297         | rBV      | 769540         | 1456259       | 36.03%          | 3.093%        |
| 12        | 11.698      | 1474          | 1481        | 1490         | rBV      | 153946         | 287374        | 7.11%           | 0.610%        |
| 13        | 13.551      | 1790          | 1796        | 1802         | rBV5     | 42003          | 65258         | 1.61%           | 0.139%        |
| 14        | 13.663      | 1807          | 1815        | 1819         | rBV      | 1664051        | 2348015       | 58.10%          | 4.987%        |
| 15        | 13.710      | 1819          | 1823        | 1833         | rVB      | 625218         | 886638        | 21.94%          | 1.883%        |
| 16        | 13.933      | 1850          | 1861        | 1869         | rBV      | 1863452        | 2765183       | 68.42%          | 5.873%        |
| 17        | 14.198      | 1901          | 1906        | 1908         | rBV3     | 28661          | 40450         | 1.00%           | 0.086%        |
| 18        | 14.239      | 1908          | 1913        | 1922         | rVB2     | 1010313        | 1575459       | 38.98%          | 3.346%        |
| 19        | 14.480      | 1948          | 1954        | 1970         | rBV      | 485403         | 986247        | 24.40%          | 2.095%        |
| 20        | 15.239      | 2077          | 2083        | 2094         | rVB      | 2226610        | 3232109       | 79.98%          | 6.865%        |
| 21        | 15.380      | 2102          | 2107        | 2119         | rBV      | 660140         | 1036106       | 25.64%          | 2.201%        |
| 22        | 15.615      | 2141          | 2147        | 2154         | rBV      | 1421108        | 1845184       | 45.66%          | 3.919%        |
| 23        | 16.992      | 2376          | 2381        | 2388         | rVB2     | 1298570        | 1836758       | 45.45%          | 3.901%        |
| 24        | 17.092      | 2392          | 2398        | 2413         | rVB      | 2373784        | 3460549       | 85.63%          | 7.350%        |
| 25        | 17.903      | 2531          | 2536        | 2545         | rBV2     | 321682         | 493829        | 12.22%          | 1.049%        |
| 26        | 19.039      | 2725          | 2729        | 2732         | rBV4     | 53630          | 69108         | 1.71%           | 0.147%        |
| 27        | 19.192      | 2751          | 2755        | 2761         | rBV2     | 151849         | 216590        | 5.36%           | 0.460%        |
| 28        | 19.292      | 2767          | 2772        | 2775         | rVB3     | 26760          | 42734         | 1.06%           | 0.091%        |
| 29        | 19.398      | 2784          | 2790        | 2797         | rBV      | 2950491        | 3976613       | 98.40%          | 8.446%        |
| 30        | 20.756      | 3017          | 3021        | 3027         | rBV      | 175745         | 212928        | 5.27%           | 0.452%        |
| 31        | 20.915      | 3044          | 3048        | 3055         | rBV2     | 351526         | 489387        | 12.11%          | 1.039%        |
| 32        | 21.197      | 3091          | 3096        | 3102         | rBV      | 1666391        | 2270984       | 56.19%          | 4.823%        |
| 33        | 23.250      | 3438          | 3445        | 3455         | rVB2     | 2124269        | 4041271       | 100.00%         | 8.583%        |
| 34        | 23.385      | 3462          | 3468        | 3477         | rVB      | 1097155        | 2044475       | 50.59%          | 4.342%        |

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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B14

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-BM011018.M  
Title : SVOA CALIBRATION

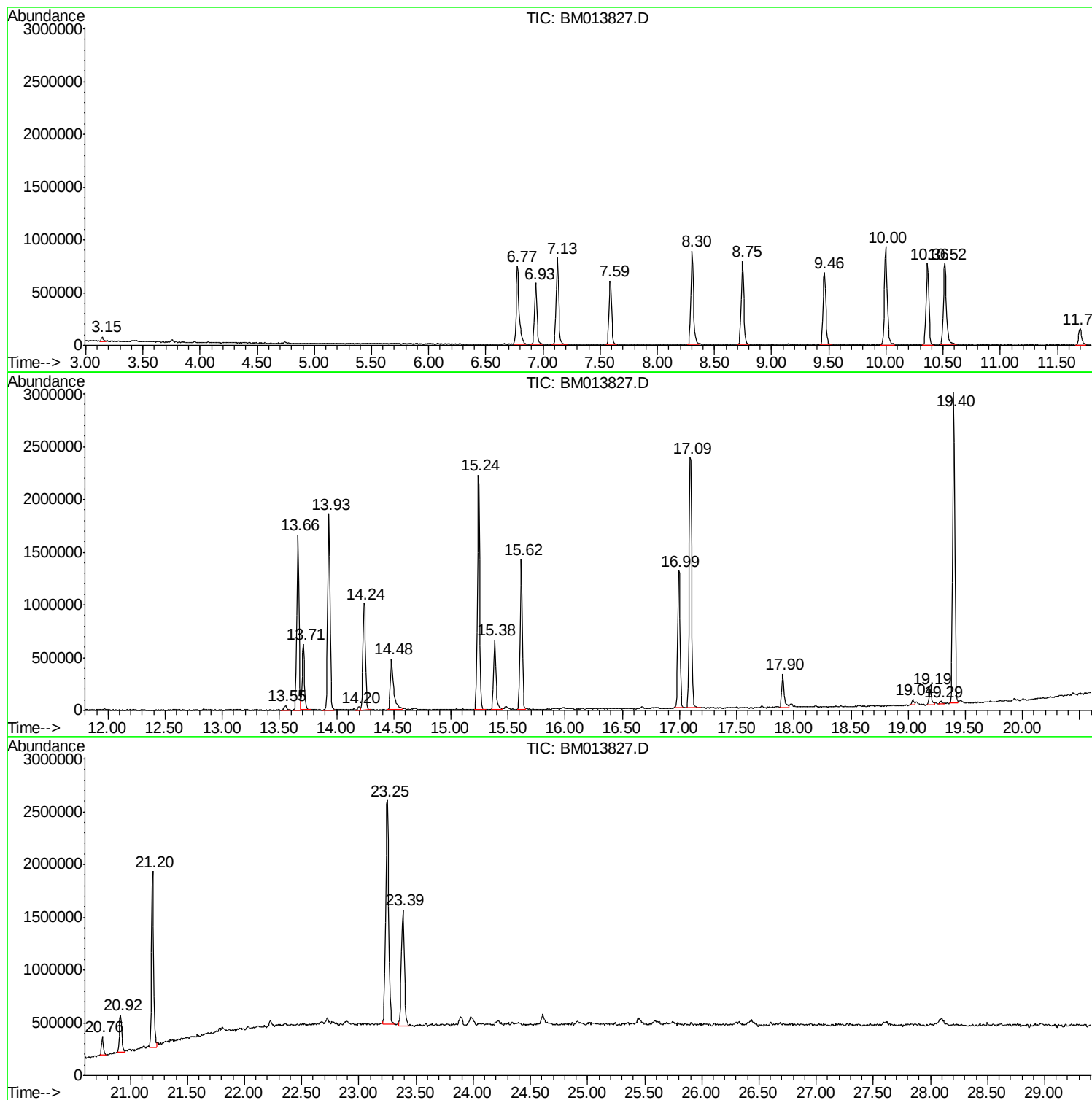
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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

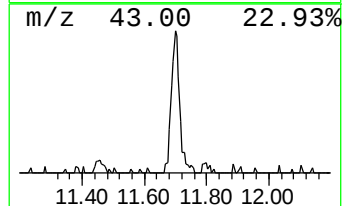
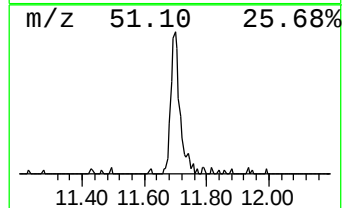
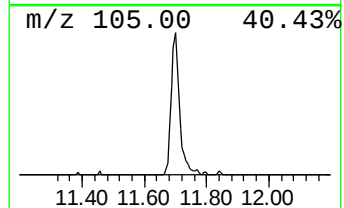
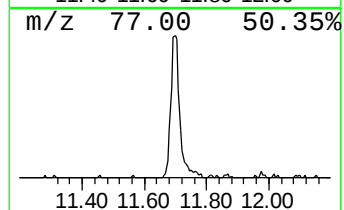
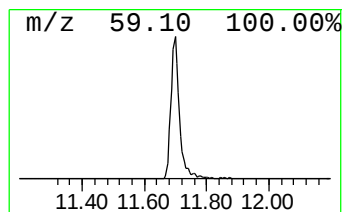
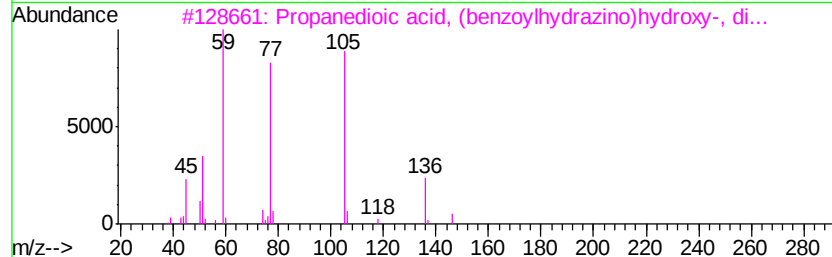
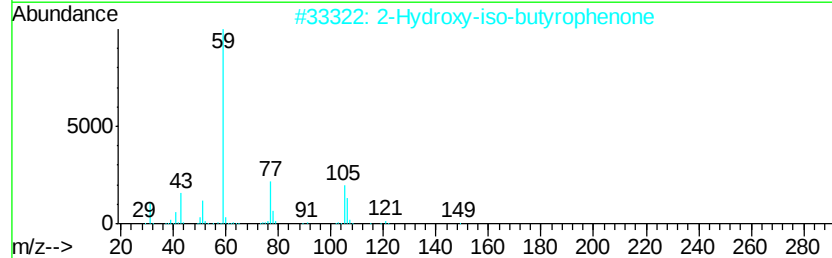
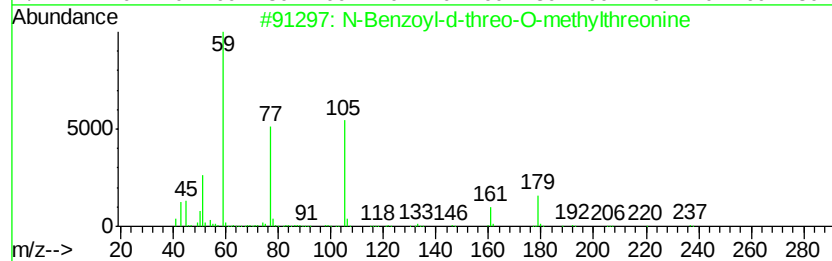
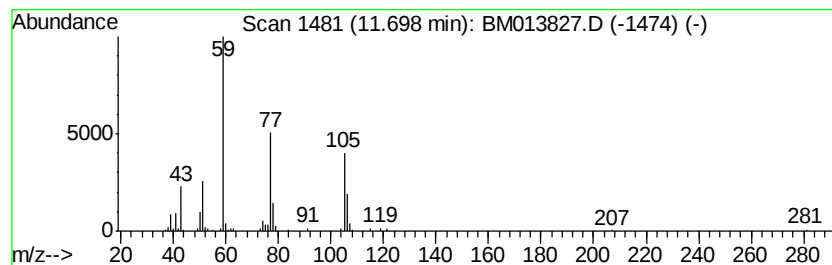
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 N-Benzoyl-d-threo-O-methylt... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.70 | 4.62 ng/ul | 287374 | Napthalene-d8    | 10.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | N-Benzoyl-d-threo-O-methylthreonine | 237 | C12H15NO4  | 131644-54-7  | 50   |
| 2    |    | 2-Hydroxy-iso-butyrophenone         | 164 | C10H12O2   | 007473-98-5  | 50   |
| 3    |    | Propanedioic acid, (benzoylhvdra... | 282 | C12H14N2O6 | 1000142-99-9 | 40   |
| 4    |    | Benzaldehyde                        | 106 | C7H6O      | 000100-52-7  | 37   |
| 5    |    | Ethanone, 2-amino-1-phenyl-         | 135 | C8H9NO     | 000613-89-8  | 27   |



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

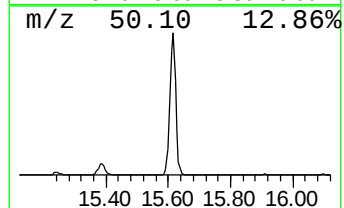
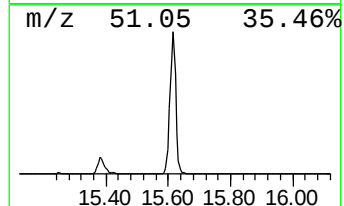
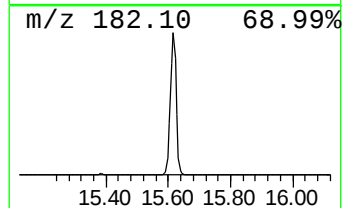
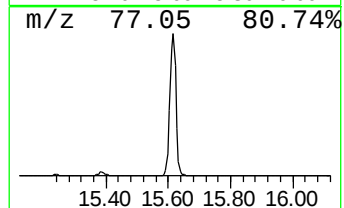
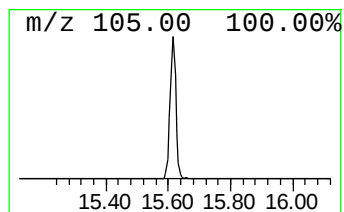
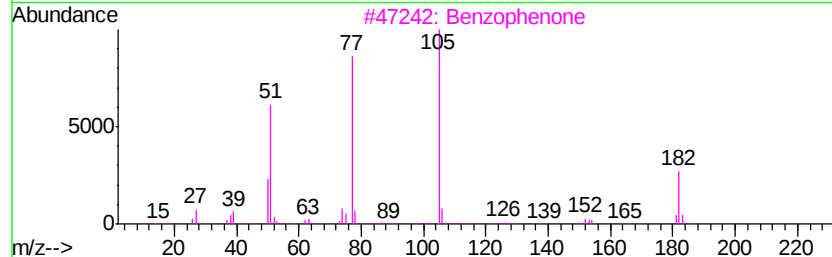
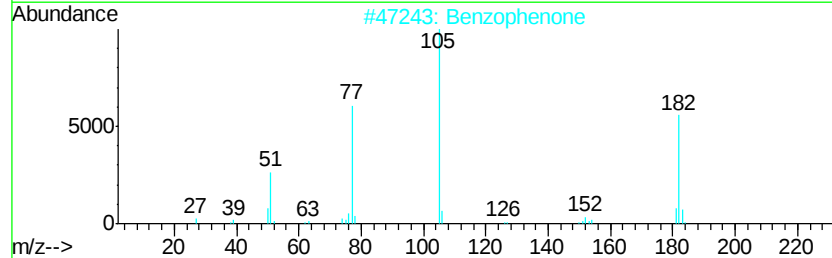
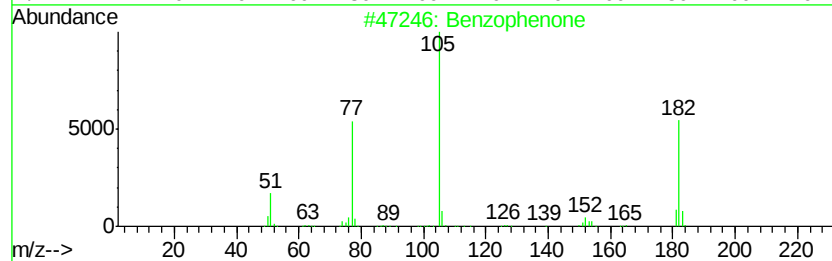
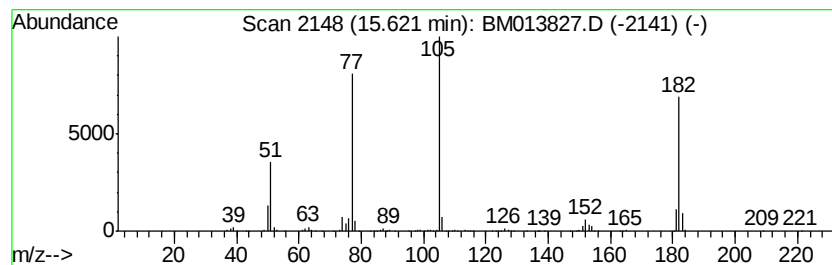
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzophenone Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.62 | 23.42 ng/ul | 1845180 | Acenaphthene-d10 | 14.24 |

| Hit# of | 5            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------|--------------|-----|---------|-------------|------|
| 1       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 97   |
| 2       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 96   |
| 3       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 95   |
| 4       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 94   |
| 5       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 91   |



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Misc :  
ALS Vial : 26 Sample Multiplier: 1

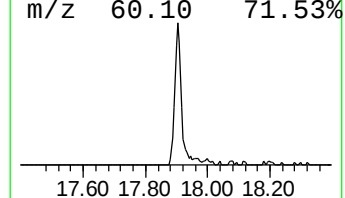
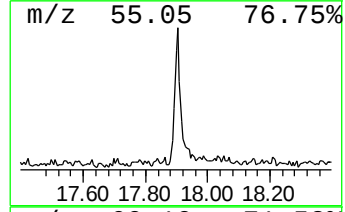
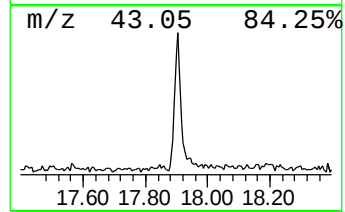
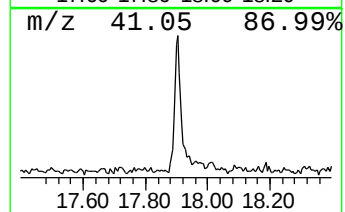
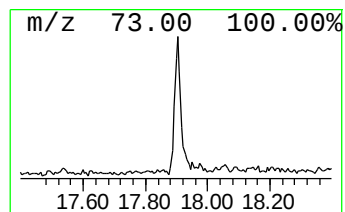
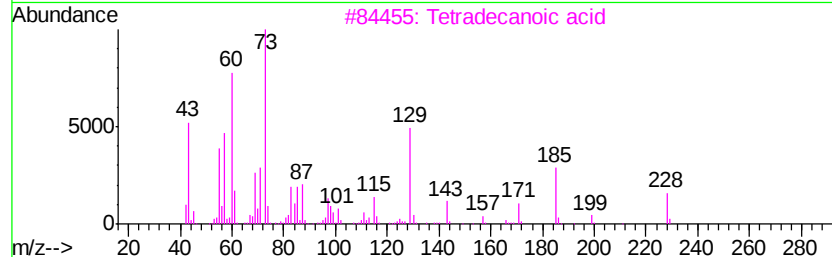
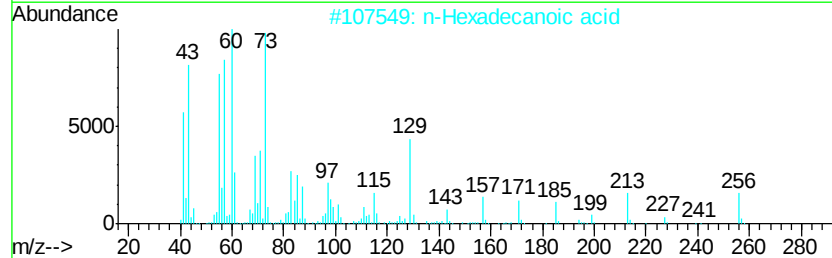
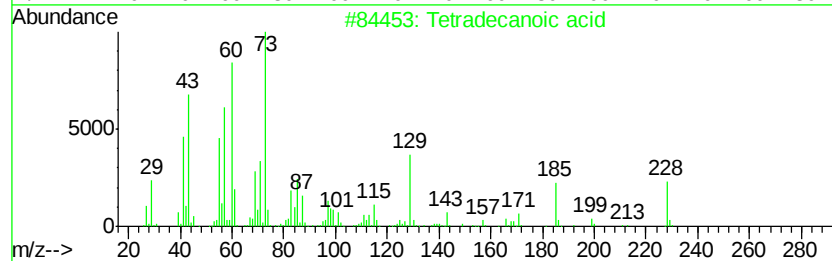
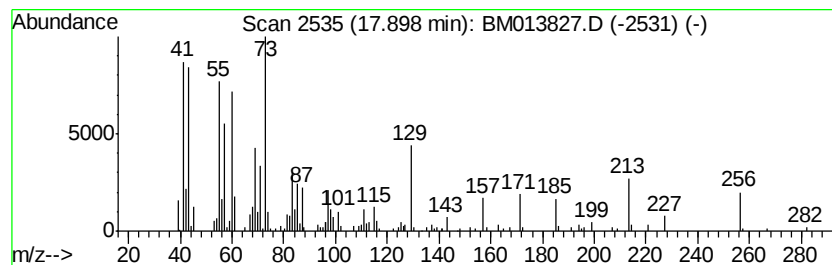
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Tetradecanoic acid Concentration Rank 2

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.90   | 5.38 ng/ul | 493829              | Phenanthrene-d10 | 16.99    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 92   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 91   |
| 3       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 83   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 83   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 58   |



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Misc :  
ALS Vial : 26 Sample Multiplier: 1

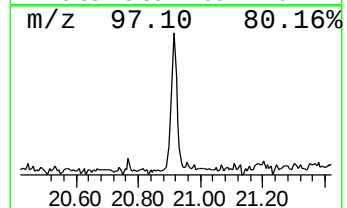
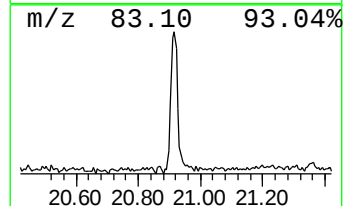
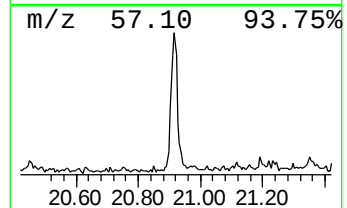
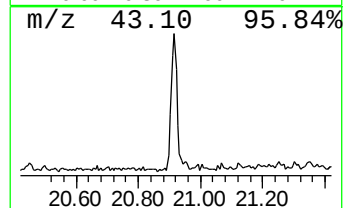
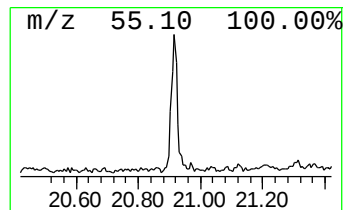
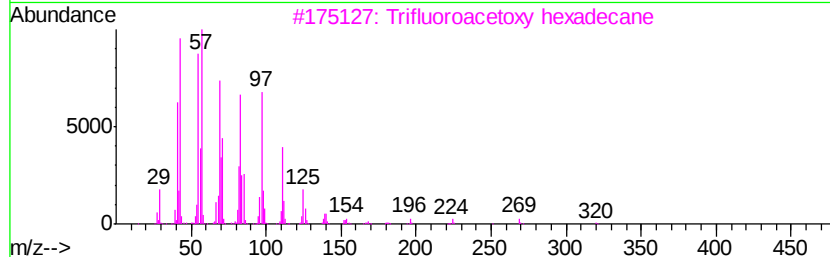
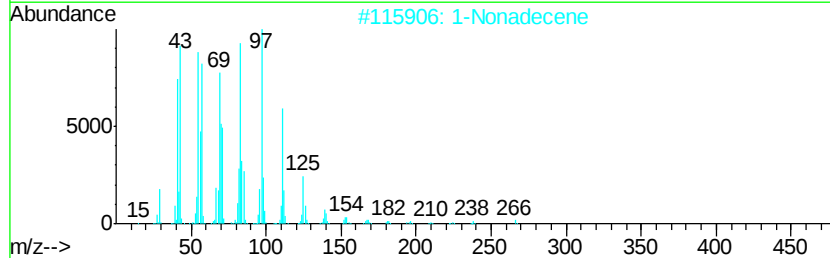
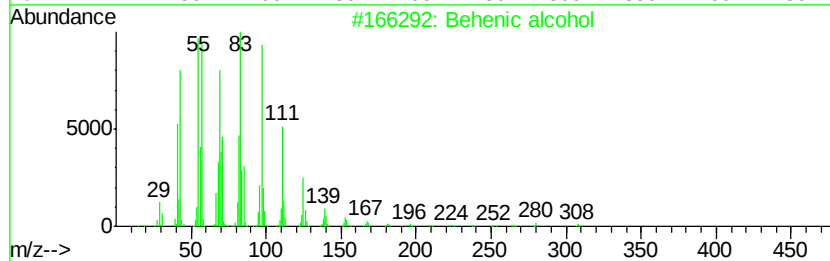
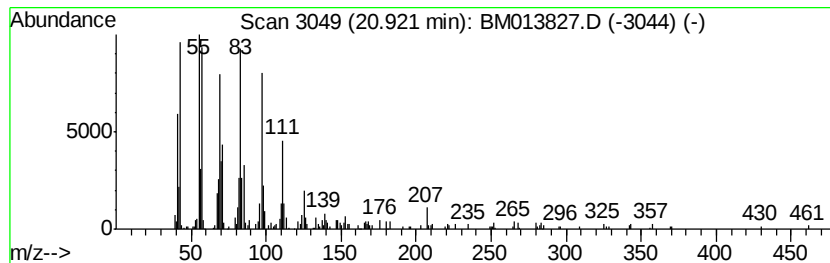
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Behenic alcohol Concentration Rank 4

| R.T.    | EstConc    | Area                        | Relative to ISTD | R.T.           |
|---------|------------|-----------------------------|------------------|----------------|
| 20.92   | 4.31 ng/ul | 489387                      | Chrysene-d12     | 21.20          |
| Hit# of | 5          | Tentative ID                | MW MolForm       | CAS# Qual      |
| 1       |            | Behenic alcohol             | 326 C22H46O      | 000661-19-8 91 |
| 2       |            | 1-Nonadecene                | 266 C19H38       | 018435-45-5 91 |
| 3       |            | Trifluoroacetoxy hexadecane | 338 C18H33F3O2   | 006222-03-3 91 |
| 4       |            | 3-Octadecene, (E)-          | 252 C18H36       | 007206-19-1 90 |
| 5       |            | 9-Octadecene, (E)-          | 252 C18H36       | 007206-25-9 86 |



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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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| N-Benzoyl-d-threo... | 11.70 | 4.6     | ng/ul | 287374   | 2                     | 10.36 | 1245250 | 20.0 |
| Benzophenone         | 15.62 | 23.4    | ng/ul | 1845180  | 3                     | 14.24 | 1575460 | 20.0 |
| Tetradecanoic acid   | 17.90 | 5.4     | ng/ul | 493829   | 4                     | 16.99 | 1836760 | 20.0 |
| Behenic alcohol      | 20.92 | 4.3     | ng/ul | 489387   | 5                     | 21.20 | 2270980 | 20.0 |