

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111617\  
 Data File : BM012989.D  
 Acq On : 17 Nov 2017 07:09  
 Operator : SJ/JU  
 Sample : I6361-14  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE2R6

## 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-BM111617.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         | 3.251       | 25            | 28          | 34           | rVB      | 49113          | 59145         | 2.07%           | 0.181%        |
| 2         | 6.892       | 641           | 647         | 648          | rBV      | 110133         | 164214        | 5.74%           | 0.501%        |
| 3         | 6.910       | 648           | 650         | 657          | rVB      | 158010         | 230853        | 8.07%           | 0.705%        |
| 4         | 7.063       | 670           | 676         | 686          | rVB      | 329471         | 493802        | 17.25%          | 1.508%        |
| 5         | 7.257       | 700           | 709         | 717          | rBV      | 351831         | 563672        | 19.70%          | 1.721%        |
| 6         | 7.722       | 782           | 788         | 796          | rVB      | 637914         | 1007743       | 35.21%          | 3.077%        |
| 7         | 8.422       | 899           | 907         | 916          | rBV      | 279000         | 451757        | 15.78%          | 1.379%        |
| 8         | 8.869       | 976           | 983         | 992          | rVB      | 408325         | 690502        | 24.13%          | 2.108%        |
| 9         | 9.586       | 1099          | 1105        | 1114         | rVB      | 289114         | 481963        | 16.84%          | 1.472%        |
| 10        | 10.122      | 1190          | 1196        | 1207         | rBV      | 509203         | 821281        | 28.70%          | 2.508%        |
| 11        | 10.504      | 1253          | 1261        | 1269         | rBV      | 843819         | 1385479       | 48.41%          | 4.230%        |
| 12        | 11.827      | 1479          | 1486        | 1493         | rBV2     | 126910         | 199423        | 6.97%           | 0.609%        |
| 13        | 12.186      | 1542          | 1547        | 1551         | rBV2     | 33163          | 51721         | 1.81%           | 0.158%        |
| 14        | 13.780      | 1809          | 1818        | 1822         | rBV      | 981762         | 1378481       | 48.17%          | 4.209%        |
| 15        | 13.821      | 1822          | 1825        | 1831         | rVB      | 252928         | 343544        | 12.00%          | 1.049%        |
| 16        | 14.051      | 1855          | 1864        | 1871         | rBV      | 1086706        | 1600336       | 55.92%          | 4.886%        |
| 17        | 14.363      | 1910          | 1917        | 1924         | rBV2     | 1250544        | 1834490       | 64.10%          | 5.601%        |
| 18        | 14.551      | 1943          | 1949        | 1955         | rBV      | 89196          | 126138        | 4.41%           | 0.385%        |
| 19        | 15.357      | 2079          | 2086        | 2093         | rBV      | 1444833        | 1981080       | 69.22%          | 6.049%        |
| 20        | 15.468      | 2098          | 2105        | 2112         | rBV      | 316534         | 438668        | 15.33%          | 1.339%        |
| 21        | 15.727      | 2143          | 2149        | 2154         | rBV      | 543561         | 705360        | 24.65%          | 2.154%        |
| 22        | 17.109      | 2378          | 2384        | 2392         | rBV      | 1650155        | 2316039       | 80.93%          | 7.071%        |
| 23        | 17.203      | 2394          | 2400        | 2408         | rBV2     | 1554338        | 2193477       | 76.64%          | 6.697%        |
| 24        | 18.021      | 2529          | 2539        | 2547         | rBV      | 356222         | 499489        | 17.45%          | 1.525%        |
| 25        | 19.156      | 2724          | 2732        | 2735         | rBV4     | 42365          | 89261         | 3.12%           | 0.273%        |
| 26        | 19.309      | 2753          | 2758        | 2767         | rBV      | 344524         | 493612        | 17.25%          | 1.507%        |
| 27        | 19.380      | 2768          | 2770        | 2779         | rVB3     | 21023          | 38520         | 1.35%           | 0.118%        |
| 28        | 19.497      | 2785          | 2790        | 2799         | rVB      | 1846998        | 2562041       | 89.52%          | 7.822%        |
| 29        | 21.027      | 3046          | 3050        | 3057         | rBV      | 335722         | 429683        | 15.01%          | 1.312%        |
| 30        | 21.233      | 3082          | 3085        | 3089         | rBV3     | 34142          | 48399         | 1.69%           | 0.148%        |
| 31        | 21.291      | 3090          | 3095        | 3101         | rVV      | 2294143        | 2861950       | 100.00%         | 8.738%        |
| 32        | 22.386      | 3278          | 3281        | 3285         | rVB3     | 49123          | 55337         | 1.93%           | 0.169%        |
| 33        | 22.897      | 3365          | 3368        | 3372         | rBV4     | 68994          | 95334         | 3.33%           | 0.291%        |
| 34        | 23.385      | 3444          | 3451        | 3458         | rVV      | 1485197        | 2630963       | 91.93%          | 8.033%        |

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Sampling : 1  
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Max Peaks: 100  
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 23.474 | 3462 | 3466 | 3469 | rVV3 | 95930   | 164172  | 5.74%  | 0.501% |
| 36 | 23.527 | 3469 | 3475 | 3486 | rVB  | 1556455 | 2855264 | 99.77% | 8.718% |
| 37 | 24.132 | 3573 | 3578 | 3585 | rBV5 | 101792  | 202434  | 7.07%  | 0.618% |
| 38 | 24.897 | 3702 | 3708 | 3717 | rBV6 | 87695   | 207123  | 7.24%  | 0.632% |

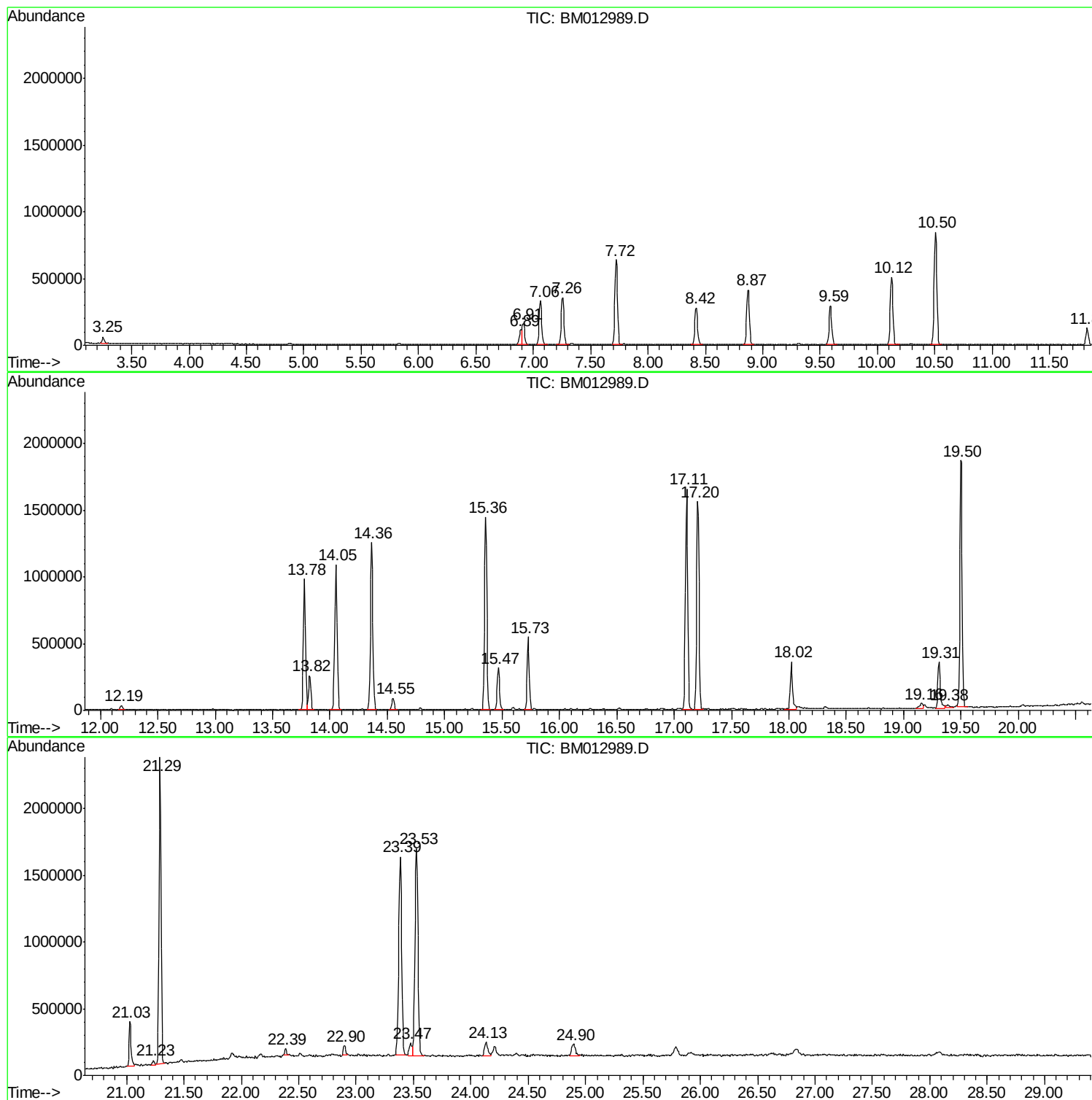
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

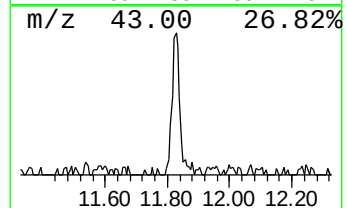
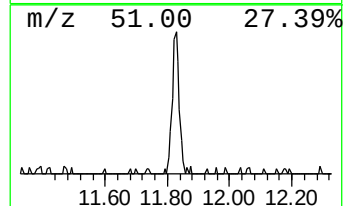
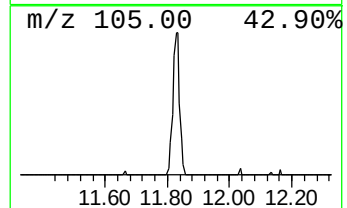
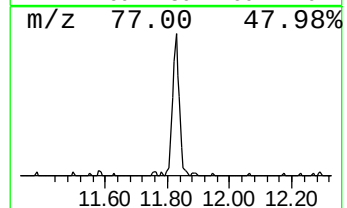
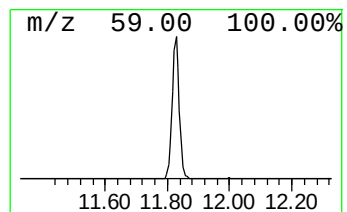
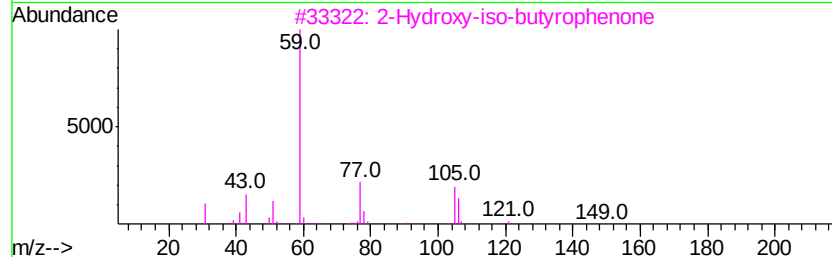
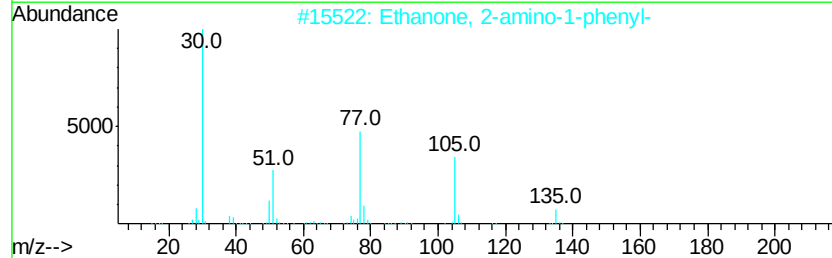
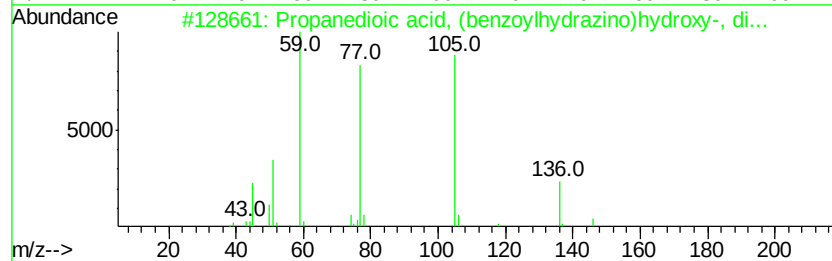
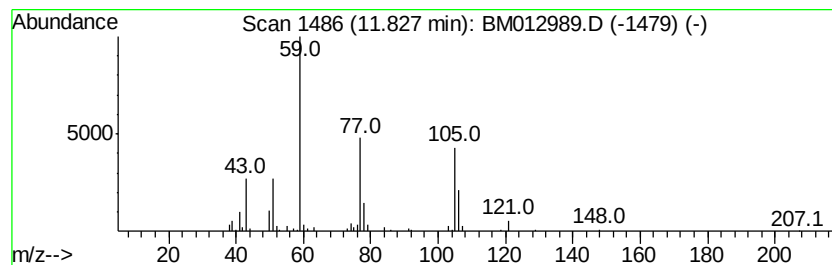
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propanedioic acid, (benzoyl... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.83 | 2.88 ng/ul | 199423 | Napthalene-d8    | 10.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Propanedioic acid, (benzoylhydra... | 282 | C12H14N2O6 | 1000142-99-9 | 64   |
| 2    |    | Ethanone, 2-amino-1-phenyl-         | 135 | C8H9NO     | 000613-89-8  | 32   |
| 3    |    | 2-Hydroxy-iso-butyrophenone         | 164 | C10H12O2   | 007473-98-5  | 25   |
| 4    |    | 2-Butanol, 3-methoxy-               | 104 | C5H12O2    | 053778-72-6  | 12   |
| 5    |    | 4-Methyl-2-pentanol, methyl ether   | 116 | C7H16O     | 1000333-93-5 | 12   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
Quant Title : SVOA CALIBRATION

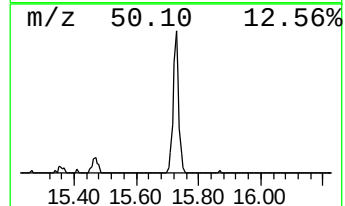
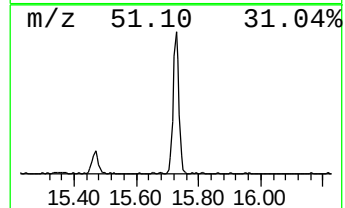
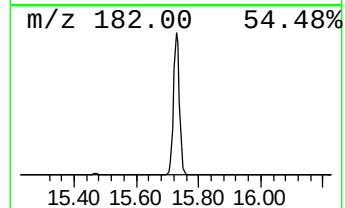
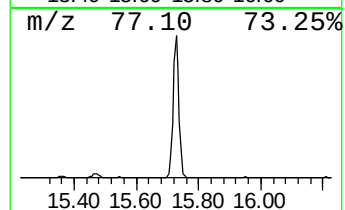
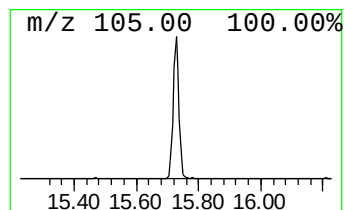
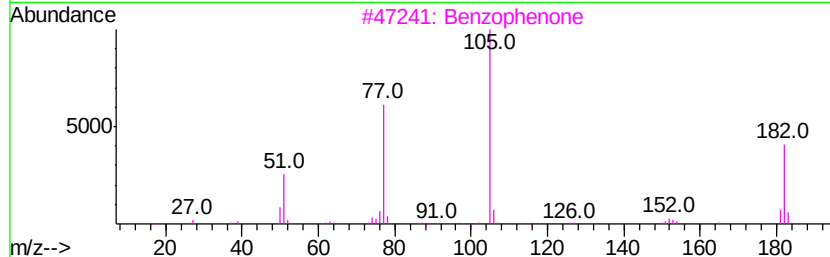
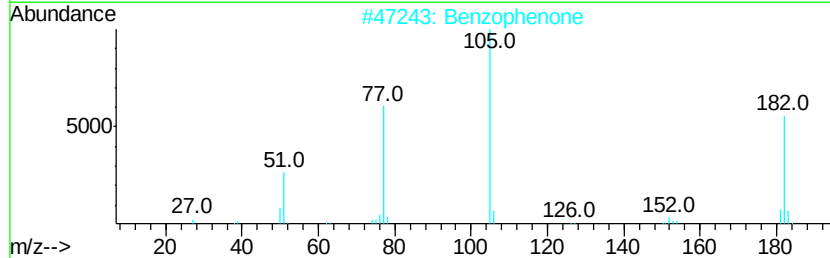
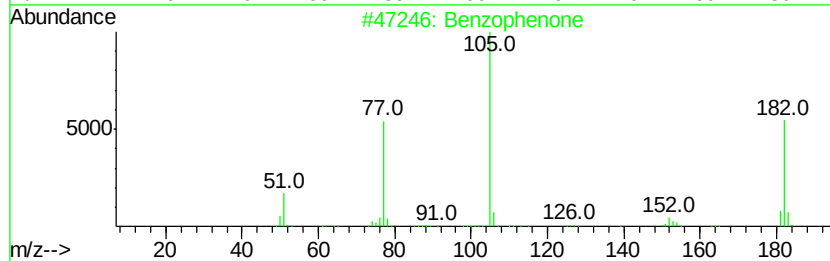
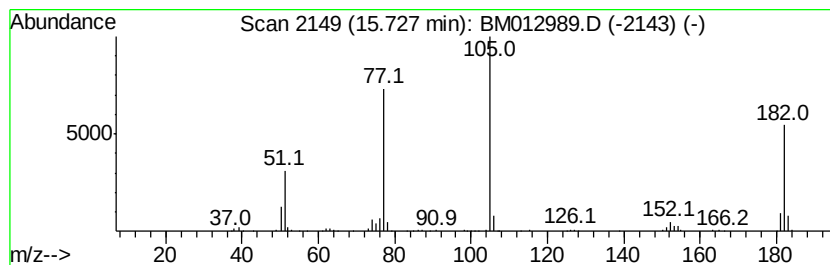
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzophenone Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.73 | 7.69 ng/ul | 705360 | Acenaphthene-d10 | 14.36 |

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



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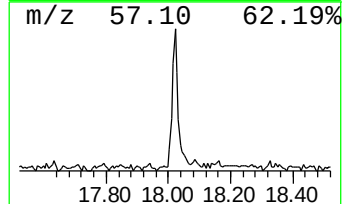
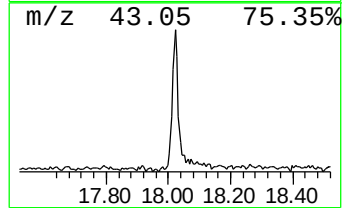
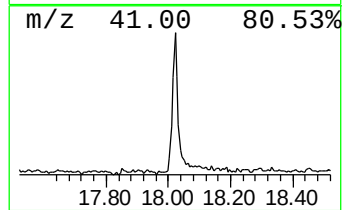
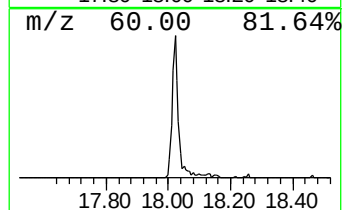
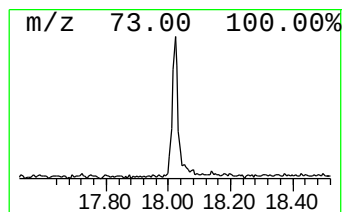
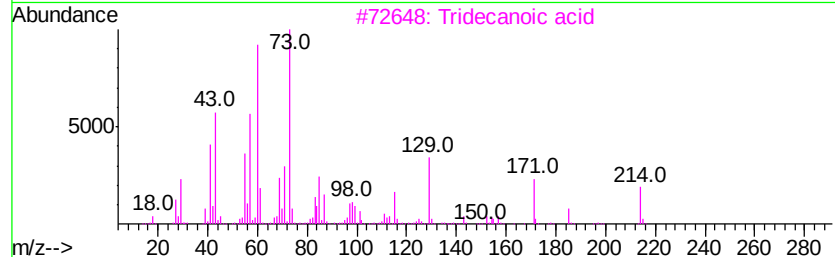
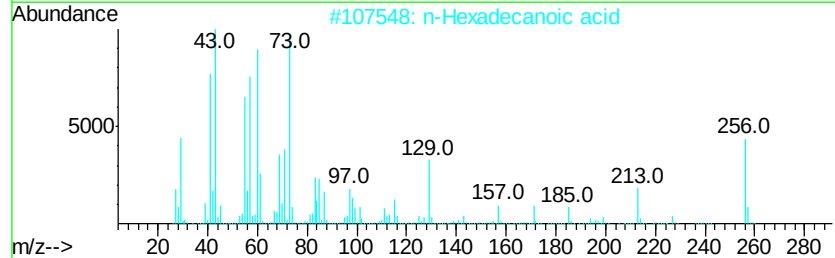
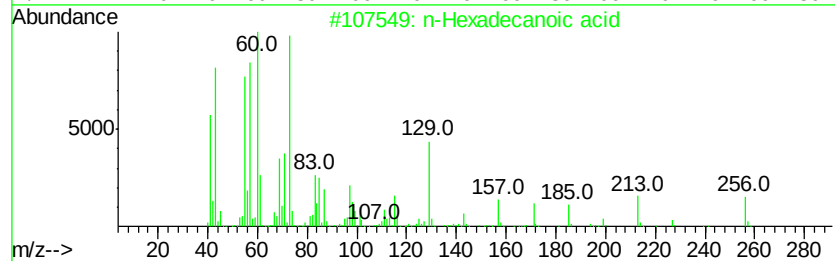
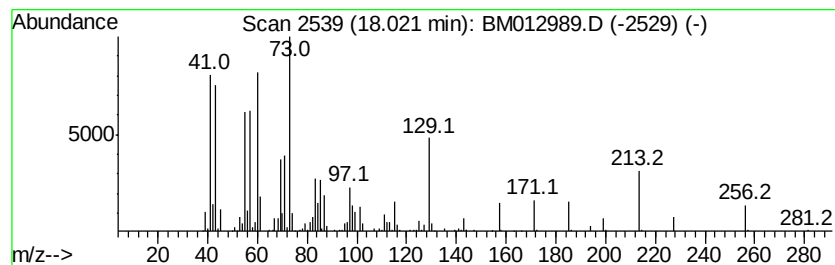
Instrument :  
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.02     | 4.31 ng/ul          | 499489 | Phenanthrene-d10 |             | 17.11 |
| 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 | 94    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 89    |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 76    |
| 5         | Undecanoic acid     | 186    | C11H22O2         | 000112-37-8 | 76    |



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Quant Title : SVOA CALIBRATION

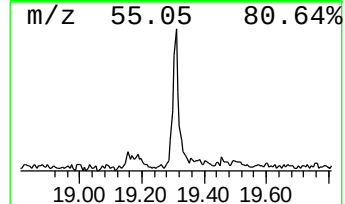
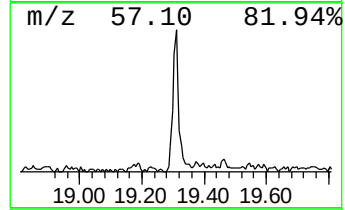
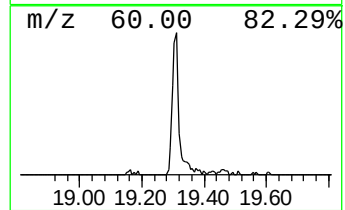
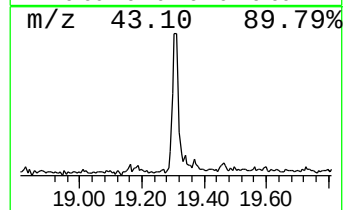
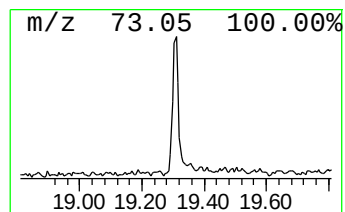
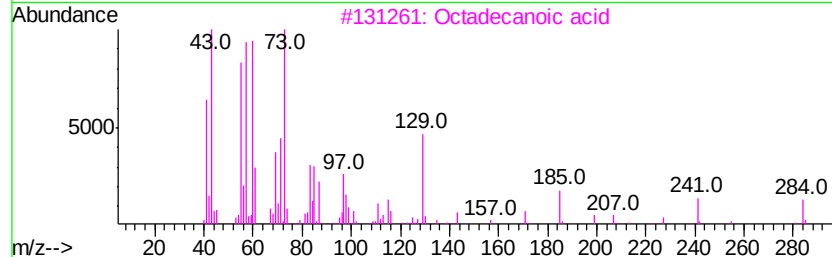
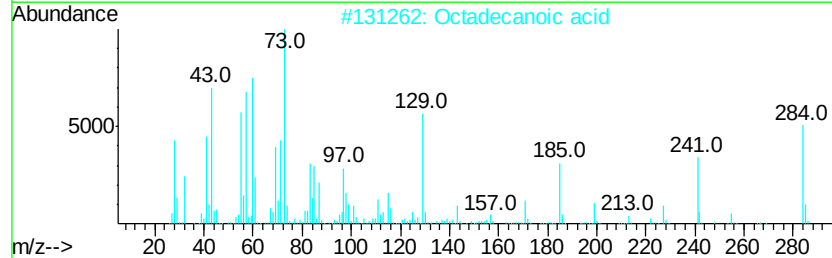
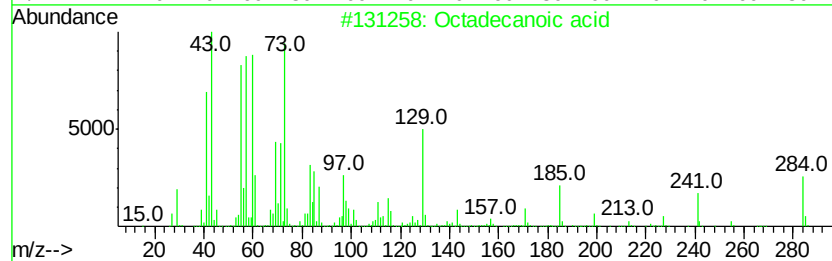
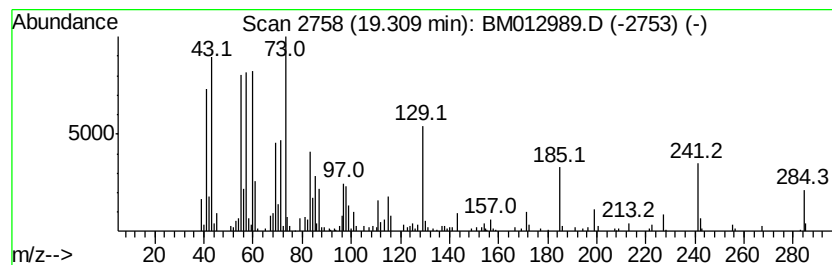
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.31 | 3.45 ng/ul | 493612 | Chrysene-d12     | 21.29 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98   |
| 3    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98   |
| 4    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 94   |
| 5    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 94   |



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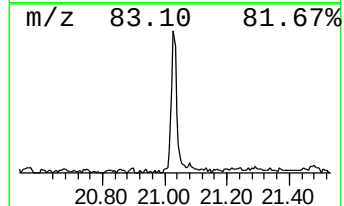
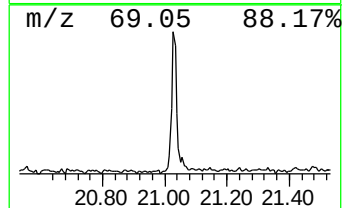
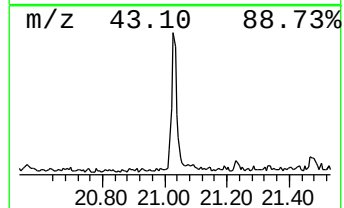
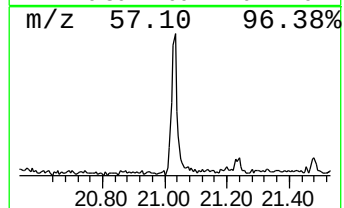
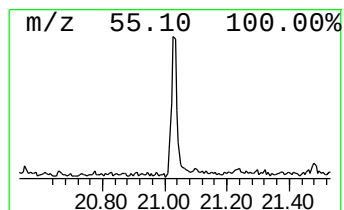
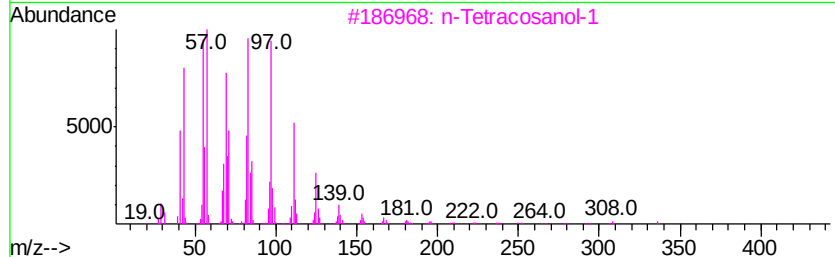
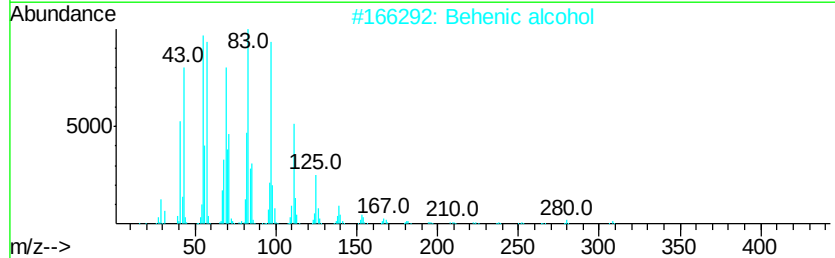
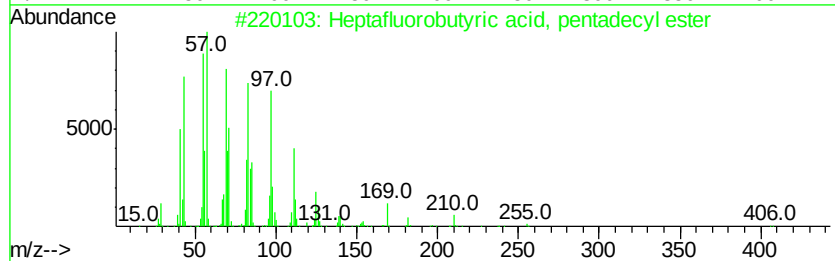
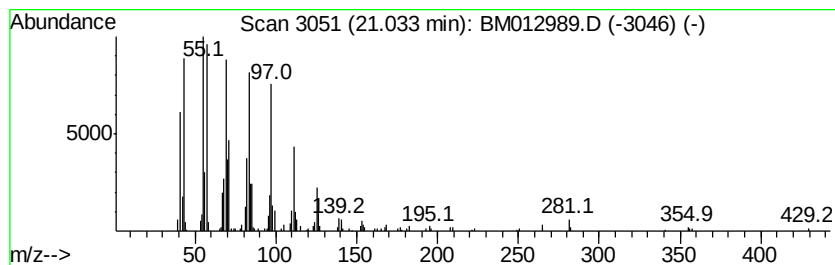
Instrument :  
BNA\_M  
ClientSampleId :  
BE2R6

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 4

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|------------|-------------------------------------|------------------|------------|-------------|------|
| 21.03   | 3.00 ng/ul | 429683                              | Chrysene-d12     | 21.29      |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |            | Heptafluorobutyric acid, pentade... | 424              | C19H31F7O2 | 959261-23-5 | 94   |
| 2       |            | Behenic alcohol                     | 326              | C22H46O    | 000661-19-8 | 93   |
| 3       |            | n-Tetracosanol-1                    | 354              | C24H50O    | 000506-51-4 | 93   |
| 4       |            | 1-Heneicosanol                      | 312              | C21H44O    | 015594-90-8 | 93   |
| 5       |            | n-Nonadecanol-1                     | 284              | C19H40O    | 001454-84-8 | 93   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM111617\  
Data File : BM012989.D  
Acq On : 17 Nov 2017 07:09  
Operator : SJ/JU  
Sample : I6361-14  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BE2R6

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111617.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 |
| Propanedioic acid... | 11.83 | 2.9     | ng/ul | 199423   | 2                     | 10.50 | 1385480 | 20.0 |
| Benzophenone         | 15.73 | 7.7     | ng/ul | 705360   | 3                     | 14.36 | 1834490 | 20.0 |
| n-Hexadecanoic acid  | 18.02 | 4.3     | ng/ul | 499489   | 4                     | 17.11 | 2316040 | 20.0 |
| Octadecanoic acid    | 19.31 | 3.5     | ng/ul | 493612   | 5                     | 21.29 | 2861950 | 20.0 |
| Heptafluorobutyri... | 21.03 | 3.0     | ng/ul | 429683   | 5                     | 21.29 | 2861950 | 20.0 |