

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
 Data File : BM015720.D  
 Acq On : 19 Jun 2018 14:15  
 Operator : SJ/JU  
 Sample : J3527-11  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAXS5

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 5.346    | 343        | 350      | 360       | rBV2  | 19973       | 37789      | 1.12%        | 0.104%     |
| 2      | 7.469    | 705        | 711      | 726       | rBV   | 538396      | 950278     | 28.26%       | 2.617%     |
| 3      | 7.640    | 732        | 740      | 750       | rBV   | 407961      | 642916     | 19.12%       | 1.770%     |
| 4      | 7.846    | 769        | 775      | 792       | rBV   | 599118      | 981561     | 29.20%       | 2.703%     |
| 5      | 8.322    | 849        | 856      | 864       | rBV   | 394856      | 648880     | 19.30%       | 1.787%     |
| 6      | 9.034    | 971        | 977      | 992       | rBV   | 714628      | 1188216    | 35.34%       | 3.272%     |
| 7      | 9.510    | 1050       | 1058     | 1072      | rBV   | 537152      | 927303     | 27.58%       | 2.553%     |
| 8      | 10.234   | 1174       | 1181     | 1192      | rBV   | 484139      | 814389     | 24.22%       | 2.242%     |
| 9      | 10.769   | 1266       | 1272     | 1290      | rBV   | 701909      | 1239400    | 36.86%       | 3.413%     |
| 10     | 11.151   | 1330       | 1337     | 1346      | rBV   | 546863      | 926285     | 27.55%       | 2.550%     |
| 11     | 11.292   | 1354       | 1361     | 1380      | rBV   | 596099      | 1059592    | 31.52%       | 2.918%     |
| 12     | 12.445   | 1551       | 1557     | 1564      | rBV   | 93048       | 143623     | 4.27%        | 0.395%     |
| 13     | 14.339   | 1873       | 1879     | 1883      | rBV   | 1211640     | 1671860    | 49.73%       | 4.603%     |
| 14     | 14.386   | 1883       | 1887     | 1900      | rVB   | 335130      | 462020     | 13.74%       | 1.272%     |
| 15     | 14.639   | 1923       | 1930     | 1942      | rBV   | 1381218     | 1978078    | 58.84%       | 5.447%     |
| 16     | 14.939   | 1972       | 1981     | 1989      | rBV2  | 795676      | 1208916    | 35.96%       | 3.329%     |
| 17     | 15.139   | 2009       | 2015     | 2027      | rBV   | 480708      | 821156     | 24.42%       | 2.261%     |
| 18     | 15.921   | 2142       | 2148     | 2160      | rBV   | 1652663     | 2408661    | 71.64%       | 6.632%     |
| 19     | 16.051   | 2164       | 2170     | 2181      | rBV   | 534474      | 743455     | 22.11%       | 2.047%     |
| 20     | 16.280   | 2203       | 2209     | 2217      | rBV   | 491001      | 657067     | 19.54%       | 1.809%     |
| 21     | 16.586   | 2256       | 2261     | 2269      | rVB   | 33444       | 46279      | 1.38%        | 0.127%     |
| 22     | 17.663   | 2438       | 2444     | 2455      | rBV2  | 1035450     | 1510902    | 44.94%       | 4.160%     |
| 23     | 17.763   | 2455       | 2461     | 2469      | rBV2  | 1856986     | 2689825    | 80.00%       | 7.406%     |
| 24     | 18.380   | 2562       | 2566     | 2573      | rVB2  | 53417       | 71702      | 2.13%        | 0.197%     |
| 25     | 18.504   | 2581       | 2587     | 2602      | rBV   | 605156      | 842222     | 25.05%       | 2.319%     |
| 26     | 19.633   | 2772       | 2779     | 2787      | rBV8  | 38157       | 97638      | 2.90%        | 0.269%     |
| 27     | 19.751   | 2794       | 2799     | 2811      | rBV2  | 264512      | 376148     | 11.19%       | 1.036%     |
| 28     | 20.015   | 2838       | 2844     | 2853      | rBV   | 2327475     | 3159012    | 93.96%       | 8.698%     |
| 29     | 21.433   | 3081       | 3085     | 3093      | rBV2  | 293131      | 377861     | 11.24%       | 1.040%     |
| 30     | 21.774   | 3137       | 3143     | 3151      | rBV   | 1424254     | 1925528    | 57.27%       | 5.302%     |
| 31     | 22.956   | 3340       | 3344     | 3351      | rVB   | 320468      | 468321     | 13.93%       | 1.289%     |
| 32     | 24.033   | 3520       | 3527     | 3536      | rVB2  | 1719491     | 3362073    | 100.00%      | 9.257%     |
| 33     | 24.180   | 3546       | 3552     | 3562      | rVB2  | 936782      | 1879109    | 55.89%       | 5.174%     |

## LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Title : SVOA CALIBRATION

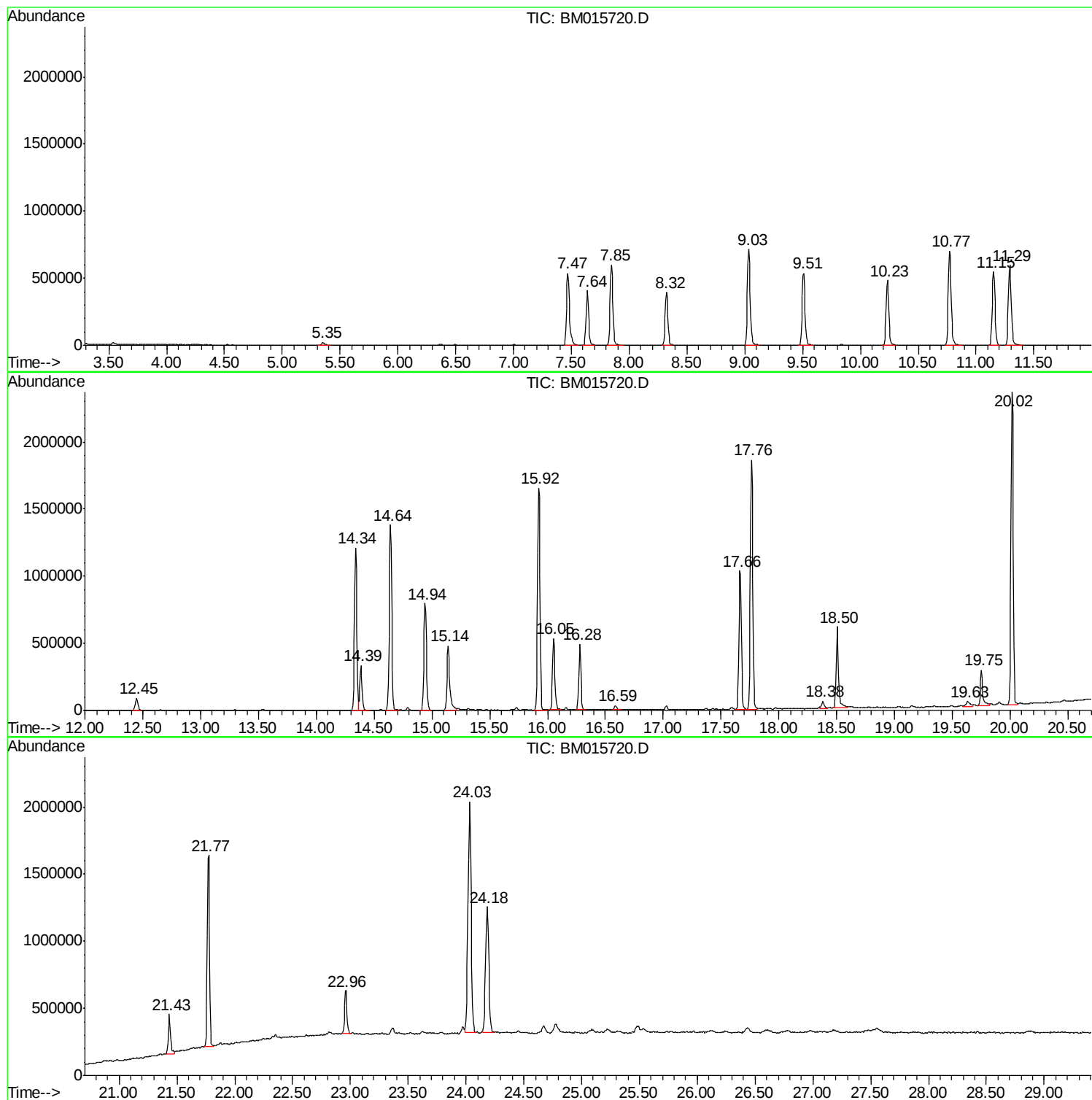
Sum of corrected areas: 36318065

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

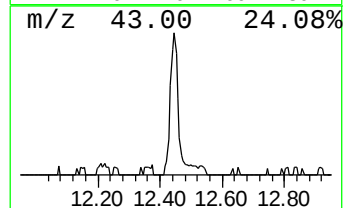
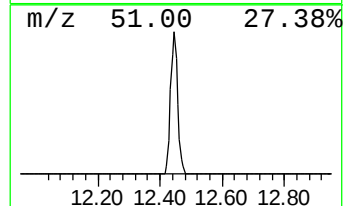
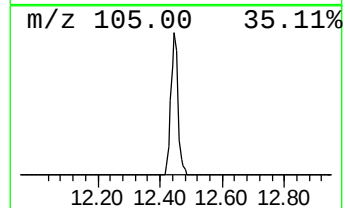
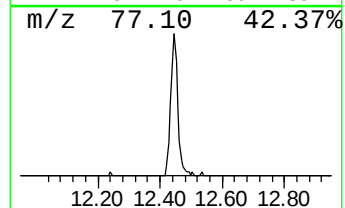
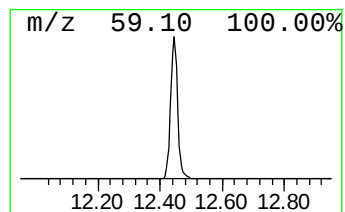
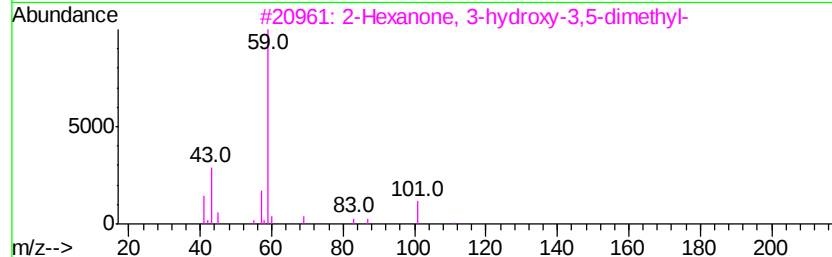
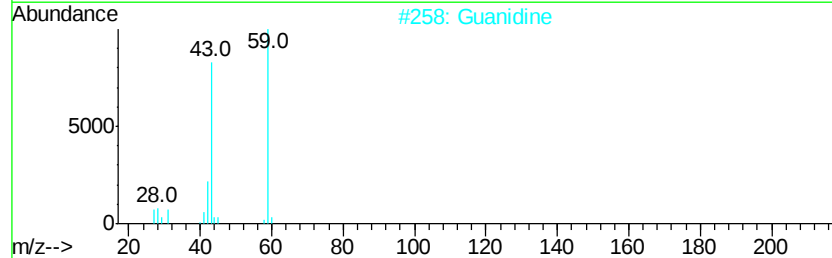
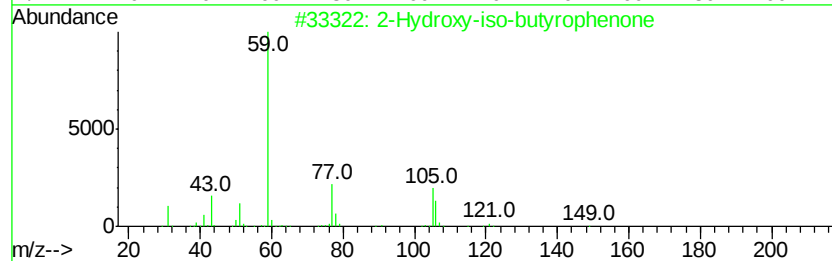
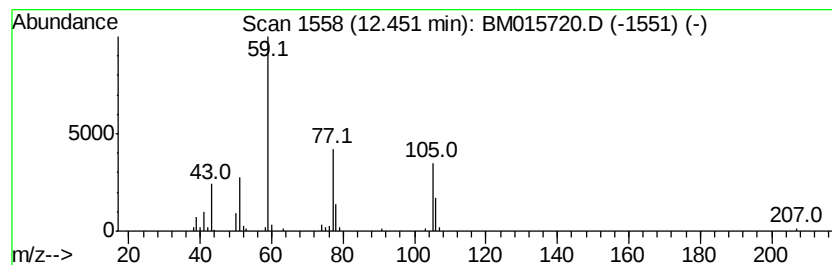
Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Hydroxy-iso-butyrophenone Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 12.45   | 3.10 ng/ul                          | 143623       | Napthalene-d8    | 11.15     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2-Hydroxy-iso-butyrophenone         | 164 C10H12O2 | 007473-98-5      | 50        |
| 2       | Guanidine                           | 59 CH5N3     | 000113-00-8      | 9         |
| 3       | 2-Hexanone, 3-hydroxy-3,5-dimethyl- | 144 C8H16O2  | 006321-14-8      | 9         |
| 4       | Propionic acid, 2-isopropoxy-, m... | 146 C7H14O3  | 1000151-15-1     | 9         |
| 5       | Silane, trimethyl-                  | 74 C3H10Si   | 000993-07-7      | 7         |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

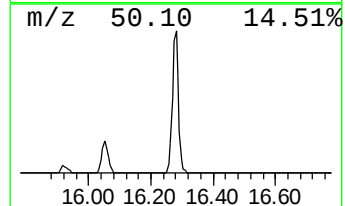
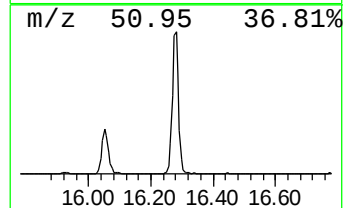
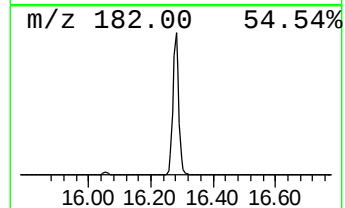
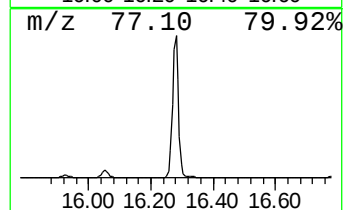
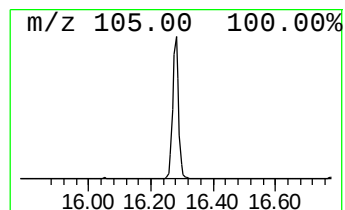
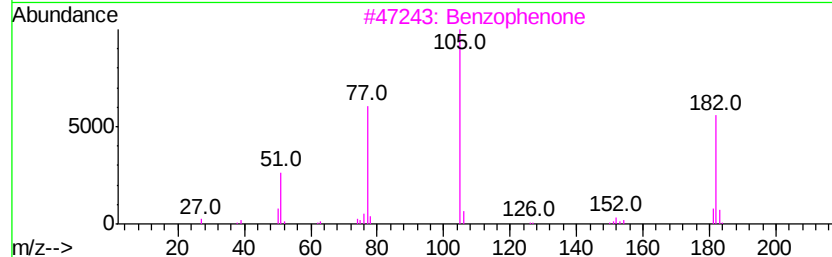
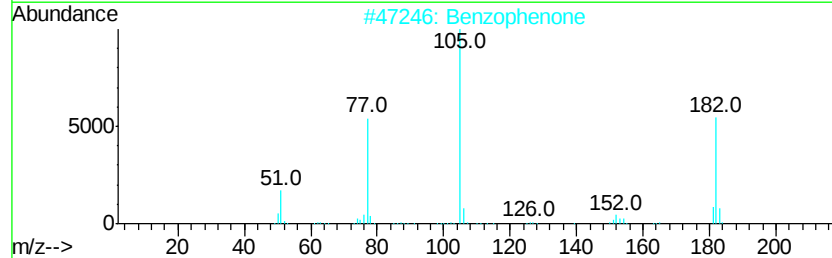
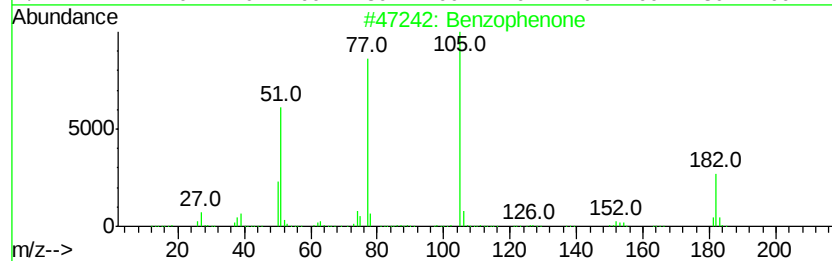
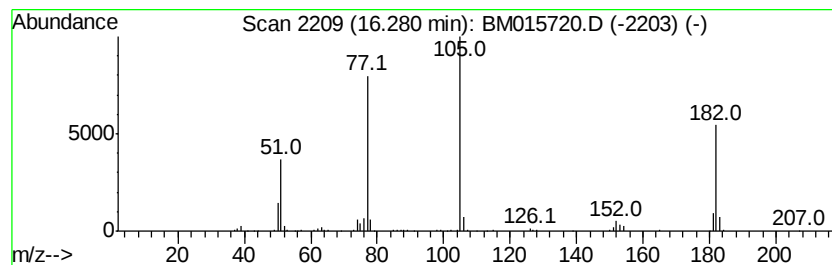
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 2

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 16.28 | 10.87 ng/ul | 657067 | Acenaphthene-d10 | 14.94 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

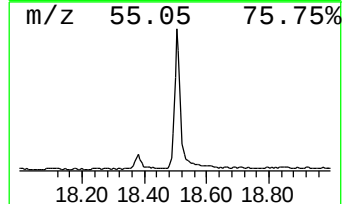
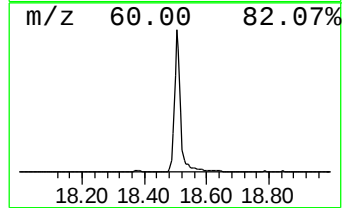
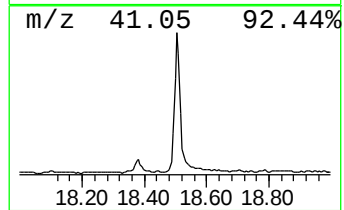
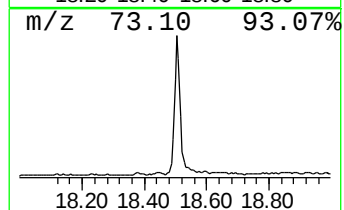
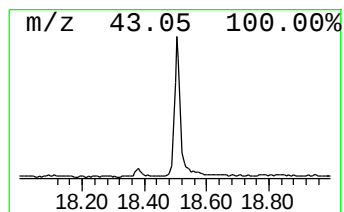
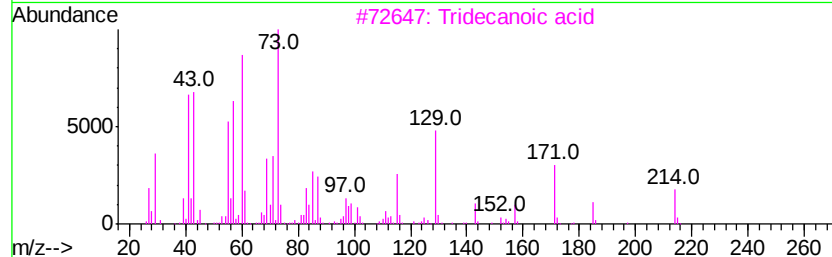
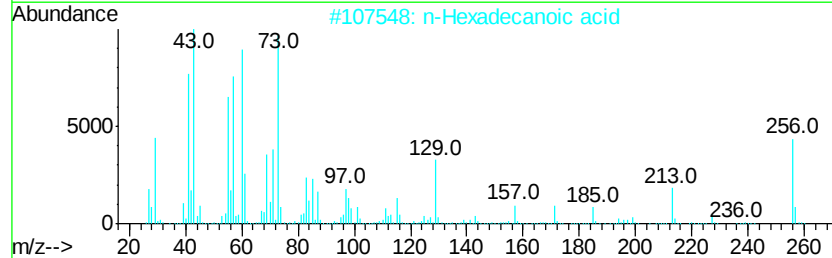
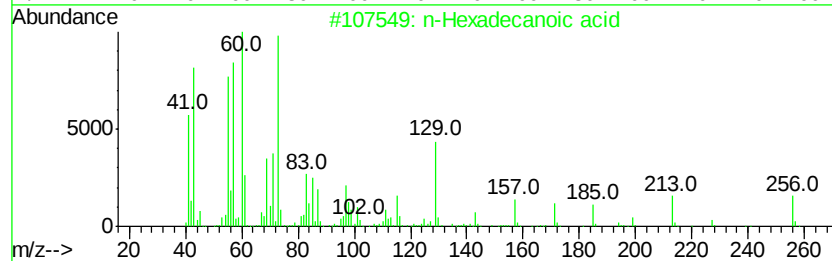
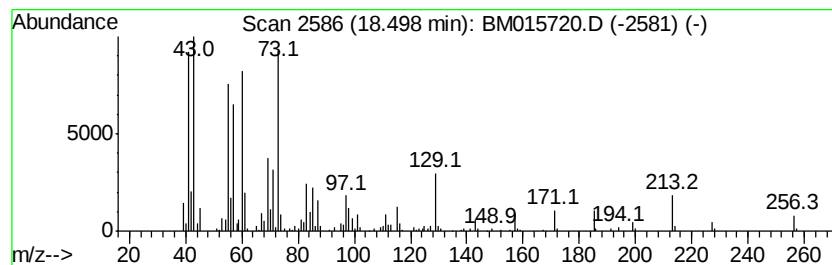
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 18.50 | 11.15 ng/ul | 842222 | Phenanthrene-d10 | 17.66 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 99   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 98   |      |
| 3       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 94   |      |
| 4       | Tetradecanoic acid  | 228          | C14H28O2 | 000544-63-8 | 93   |      |
| 5       | Pentadecanoic acid  | 242          | C15H30O2 | 001002-84-2 | 81   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

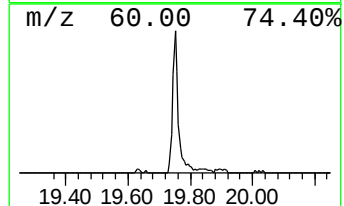
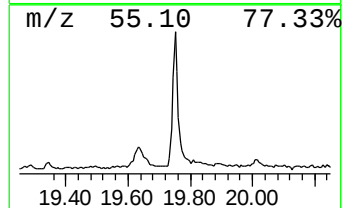
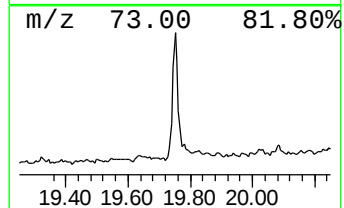
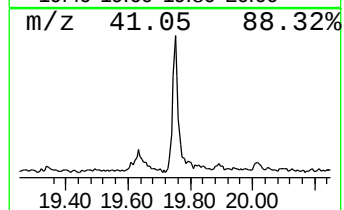
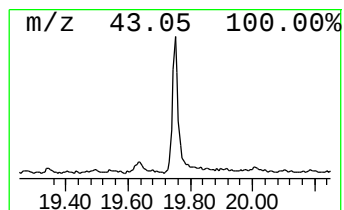
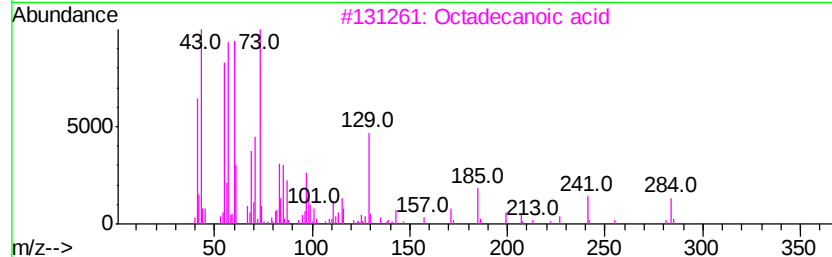
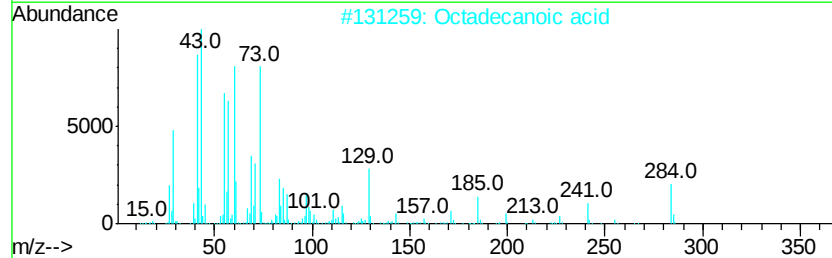
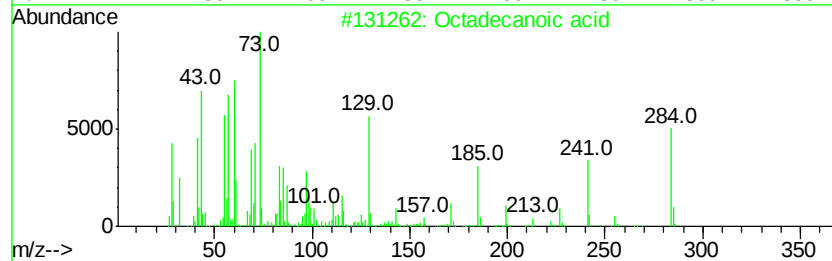
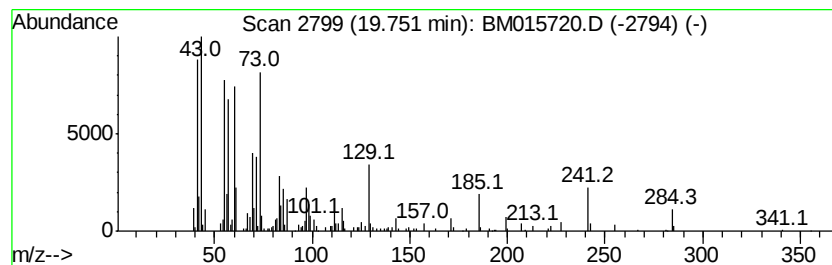
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.75 | 3.91 ng/ul | 376148 | Chrysene-d12     | 21.77 |

| 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 | 99   |
| 3    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97   |
| 4    |    |   | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93   |
| 5    |    |   | n-Decanoic acid   | 172 | C10H20O2 | 000334-48-5 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

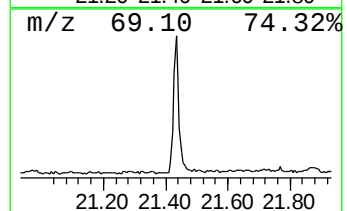
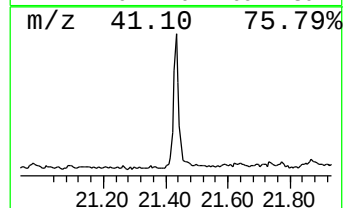
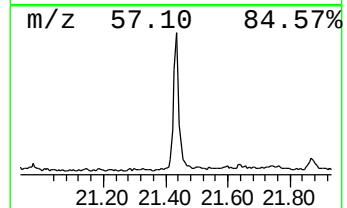
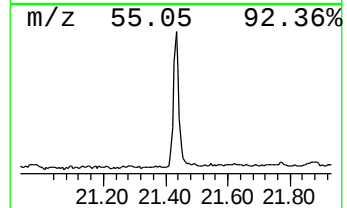
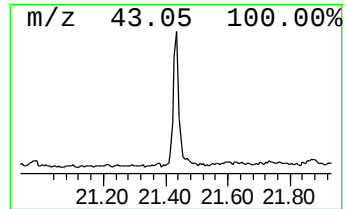
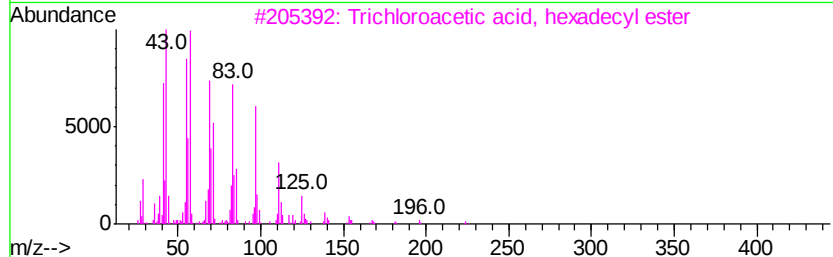
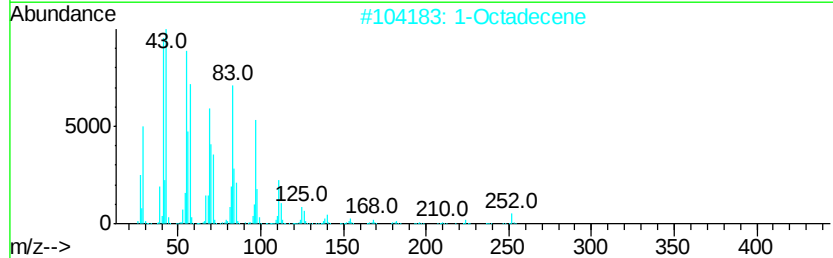
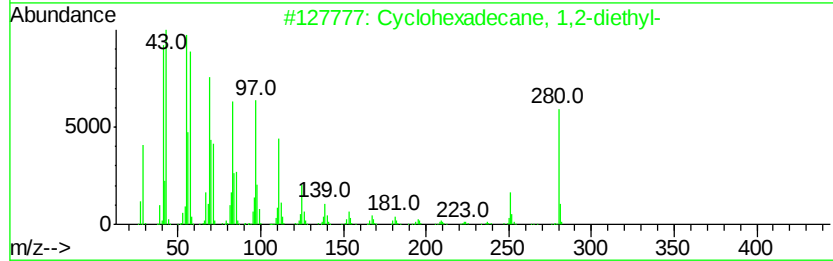
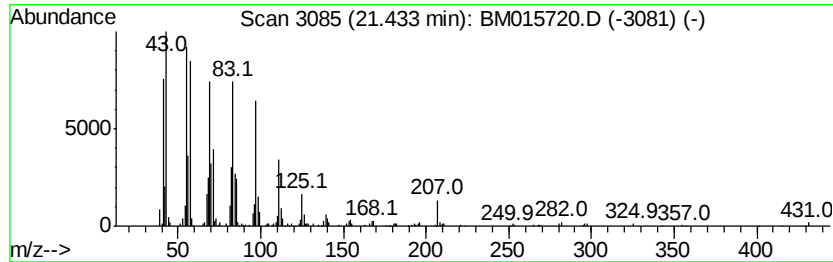
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic21.43 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.43 | 3.92 ng/ul | 377861 | Chrysene-d12     | 21.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cyclohexadecane, 1,2-diethyl-       | 280 | C20H40      | 1000155-85-3 | 98   |
| 2    |    | 1-Octadecene                        | 252 | C18H36      | 000112-88-9  | 96   |
| 3    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 95   |
| 4    |    | Bromoacetic acid, hexadecyl ester   | 362 | C18H35BrO2  | 005454-48-8  | 94   |
| 5    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5  | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION

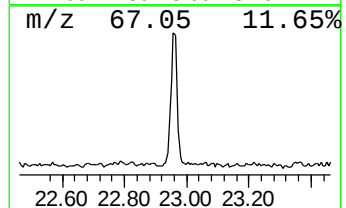
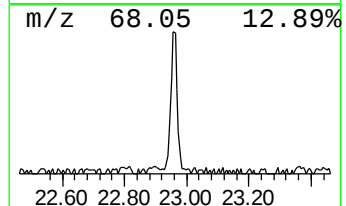
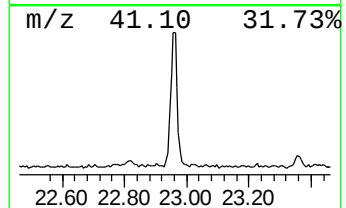
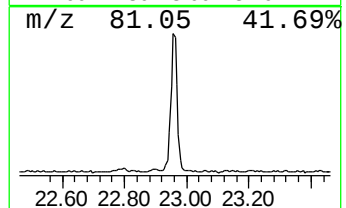
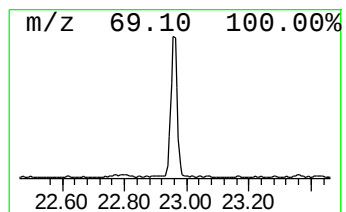
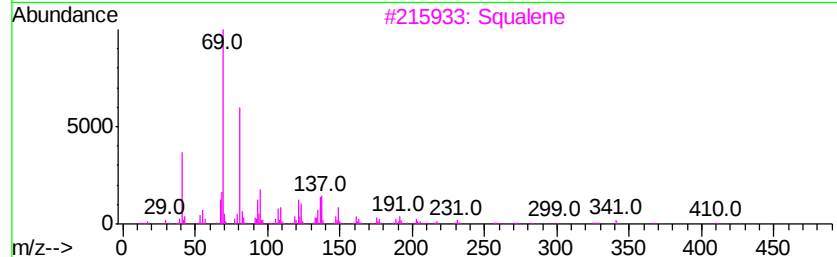
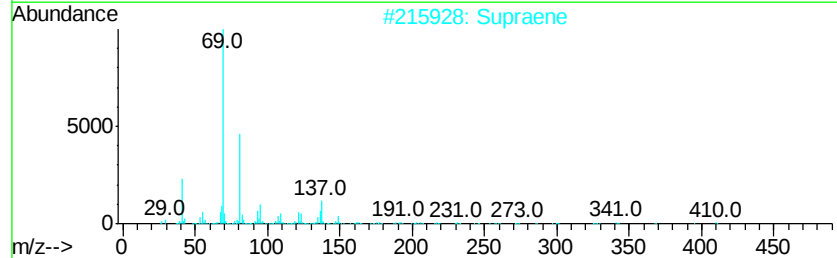
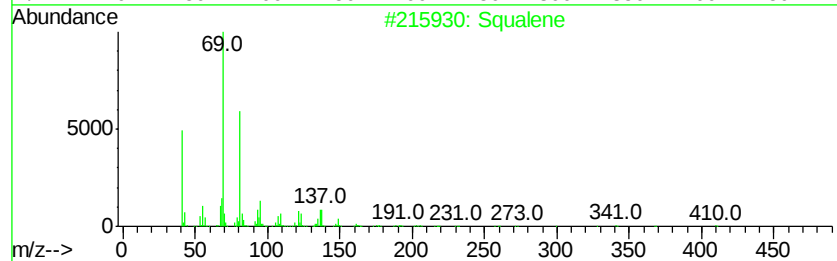
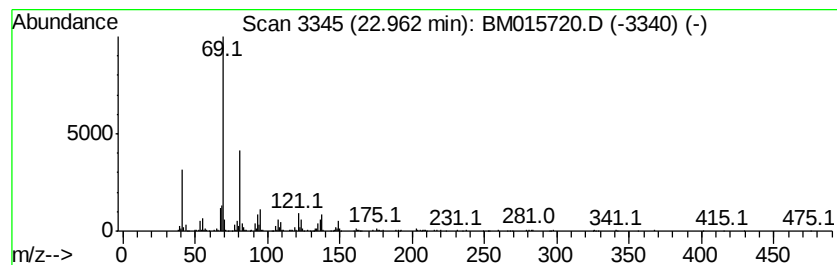
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Squalene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.96 | 4.86 ng/ul | 468321 | Chrysene-d12     | 21.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4 | 91   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 3    |    | Squalene                            | 410 | C30H50  | 000111-02-4 | 83   |
| 4    |    | Squalene                            | 410 | C30H50  | 000111-02-4 | 83   |
| 5    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM061918\  
Data File : BM015720.D  
Acq On : 19 Jun 2018 14:15  
Operator : SJ/JU  
Sample : J3527-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAXS5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.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 |
| 2-Hydroxy-iso-but... | 12.45 | 3.1     | ng/ul | 143623   | 2                     | 11.15 | 926285  | 20.0 |
| Benzophenone         | 16.28 | 10.9    | ng/ul | 657067   | 3                     | 14.94 | 1208920 | 20.0 |
| n-Hexadecanoic acid  | 18.50 | 11.2    | ng/ul | 842222   | 4                     | 17.66 | 1510900 | 20.0 |
| Octadecanoic acid    | 19.75 | 3.9     | ng/ul | 376148   | 5                     | 21.77 | 1925530 | 20.0 |
| (DEL) Alkane: Cyc... | 21.43 | 3.9     | ng/ul | 377861   | 5                     | 21.77 | 1925530 | 20.0 |
| Squalene             | 22.96 | 4.9     | ng/ul | 468321   | 5                     | 21.77 | 1925530 | 20.0 |