

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
 Data File : BM013813.D  
 Acq On : 25 Jan 2018 19:37  
 Operator : SJ/JU  
 Sample : J1233-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6B10

## 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         | 6.781       | 638           | 645         | 659          | rBV      | 457564         | 840239        | 19.48%          | 2.377%        |
| 2         | 6.940       | 666           | 672         | 682          | rBV      | 376234         | 556229        | 12.90%          | 1.573%        |
| 3         | 7.128       | 698           | 704         | 717          | rVB      | 536999         | 826303        | 19.16%          | 2.337%        |
| 4         | 7.593       | 774           | 783         | 795          | rBV      | 420892         | 676633        | 15.69%          | 1.914%        |
| 5         | 8.310       | 896           | 905         | 915          | rBV      | 563707         | 966905        | 22.42%          | 2.735%        |
| 6         | 8.745       | 972           | 979         | 987          | rBV      | 465789         | 800130        | 18.55%          | 2.263%        |
| 7         | 9.463       | 1094          | 1101        | 1114         | rBV      | 416973         | 727385        | 16.86%          | 2.057%        |
| 8         | 10.004      | 1186          | 1193        | 1206         | rBV      | 570255         | 1023286       | 23.72%          | 2.894%        |
| 9         | 10.369      | 1245          | 1255        | 1261         | rBV      | 494133         | 859752        | 19.93%          | 2.432%        |
| 10        | 10.522      | 1273          | 1281        | 1291         | rBV      | 457256         | 899077        | 20.84%          | 2.543%        |
| 11        | 11.704      | 1474          | 1482        | 1492         | rBV      | 131486         | 236986        | 5.49%           | 0.670%        |
| 12        | 13.063      | 1707          | 1713        | 1720         | rVB4     | 28624          | 46237         | 1.07%           | 0.131%        |
| 13        | 13.663      | 1808          | 1815        | 1819         | rBV      | 1019911        | 1431524       | 33.19%          | 4.049%        |
| 14        | 13.710      | 1819          | 1823        | 1831         | rVB      | 483179         | 692204        | 16.05%          | 1.958%        |
| 15        | 13.933      | 1855          | 1861        | 1869         | rBV      | 1139387        | 1673922       | 38.81%          | 4.735%        |
| 16        | 14.245      | 1906          | 1914        | 1921         | rVV2     | 677459         | 1063434       | 24.65%          | 3.008%        |
| 17        | 14.486      | 1947          | 1955        | 1974         | rBV      | 259487         | 597651        | 13.86%          | 1.690%        |
| 18        | 14.804      | 2004          | 2009        | 2014         | rVB      | 103099         | 143642        | 3.33%           | 0.406%        |
| 19        | 14.886      | 2019          | 2023        | 2035         | rVB2     | 117892         | 185873        | 4.31%           | 0.526%        |
| 20        | 15.104      | 2055          | 2060        | 2066         | rVB3     | 28516          | 43831         | 1.02%           | 0.124%        |
| 21        | 15.245      | 2077          | 2084        | 2091         | rBV      | 1452154        | 1975720       | 45.81%          | 5.588%        |
| 22        | 15.386      | 2102          | 2108        | 2120         | rBV      | 362633         | 577009        | 13.38%          | 1.632%        |
| 23        | 15.616      | 2141          | 2147        | 2159         | rVB      | 1271690        | 1779741       | 41.26%          | 5.034%        |
| 24        | 15.974      | 2203          | 2208        | 2215         | rBV5     | 31300          | 81955         | 1.90%           | 0.232%        |
| 25        | 16.657      | 2317          | 2324        | 2339         | rBV      | 2927979        | 4313274       | 100.00%         | 12.200%       |
| 26        | 16.763      | 2339          | 2342        | 2348         | rVB7     | 32593          | 46526         | 1.08%           | 0.132%        |
| 27        | 16.998      | 2377          | 2382        | 2387         | rBV      | 858320         | 1206903       | 27.98%          | 3.414%        |
| 28        | 17.039      | 2387          | 2389        | 2393         | rVV      | 72092          | 84037         | 1.95%           | 0.238%        |
| 29        | 17.098      | 2393          | 2399        | 2408         | rVB      | 1503429        | 2117563       | 49.09%          | 5.989%        |
| 30        | 17.504      | 2463          | 2468        | 2473         | rVB5     | 35202          | 43783         | 1.02%           | 0.124%        |
| 31        | 17.904      | 2532          | 2536        | 2542         | rBV2     | 218756         | 314533        | 7.29%           | 0.890%        |
| 32        | 18.833      | 2691          | 2694        | 2699         | rBV5     | 32113          | 45867         | 1.06%           | 0.130%        |
| 33        | 19.068      | 2725          | 2734        | 2744         | rBV2     | 95936          | 222965        | 5.17%           | 0.631%        |
| 34        | 19.192      | 2752          | 2755        | 2762         | rBV4     | 109212         | 151220        | 3.51%           | 0.428%        |

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B10

## 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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 19.404 | 2785 | 2791 | 2798 | rBV  | 1630196 | 2448387 | 56.76% | 6.925% |
| 36 | 19.456 | 2798 | 2800 | 2805 | rVB4 | 38213   | 51304   | 1.19%  | 0.145% |
| 37 | 20.915 | 3045 | 3048 | 3053 | rVB3 | 242953  | 302394  | 7.01%  | 0.855% |
| 38 | 21.198 | 3091 | 3096 | 3102 | rBV  | 1163025 | 1523847 | 35.33% | 4.310% |
| 39 | 23.250 | 3439 | 3445 | 3454 | rVB2 | 1271182 | 2437483 | 56.51% | 6.894% |
| 40 | 23.392 | 3463 | 3469 | 3478 | rVB  | 721861  | 1339772 | 31.06% | 3.789% |

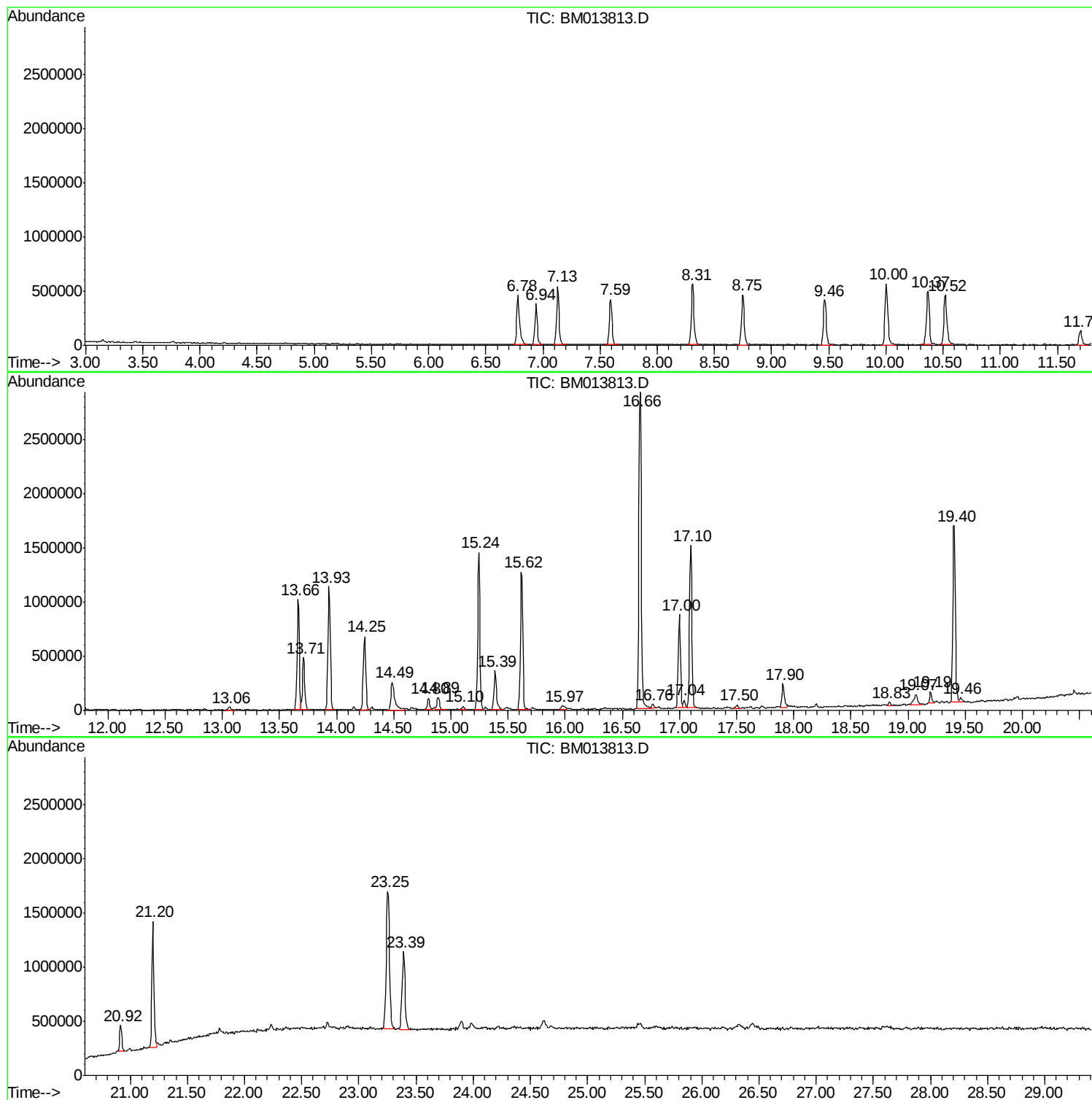
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

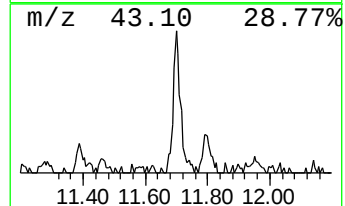
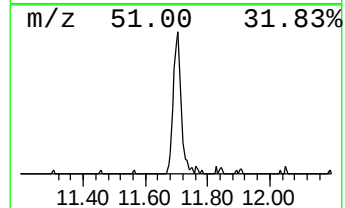
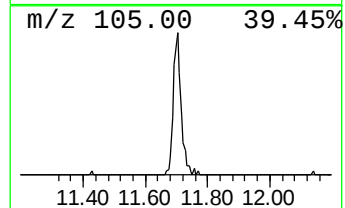
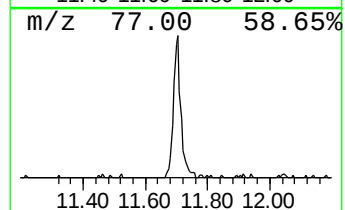
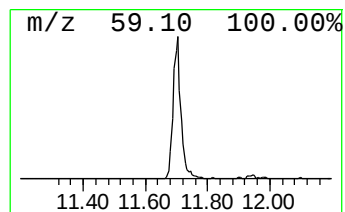
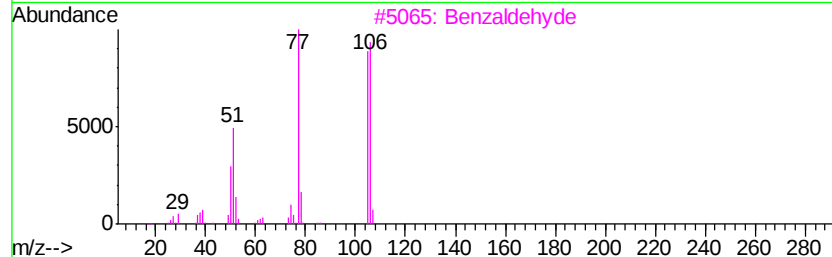
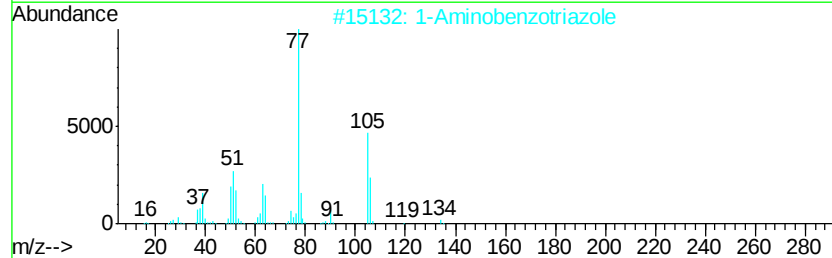
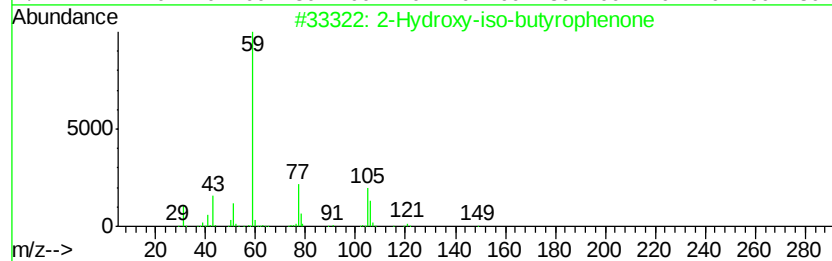
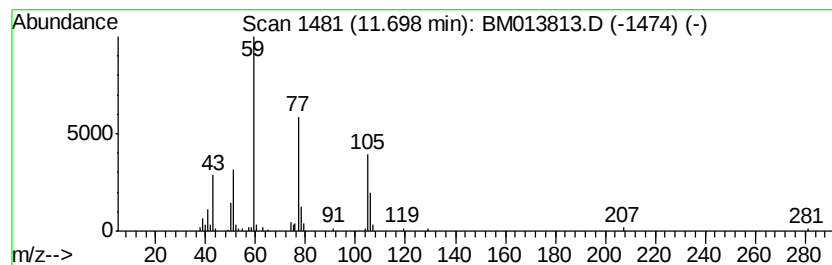
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.70 | 5.51 ng/ul | 236986 | Napthalene-d8    | 10.37 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Hydroxy-iso-butyrophenone         | 164 | C10H12O2 | 007473-98-5 | 45   |
| 2    |    |   | 1-Aminobenzotriazole                | 134 | C6H6N4   | 001614-12-6 | 23   |
| 3    |    |   | Benzaldehyde                        | 106 | C7H6O    | 000100-52-7 | 22   |
| 4    |    |   | 1,5-Hexadiyne                       | 78  | C6H6     | 000628-16-0 | 9    |
| 5    |    |   | Propanoic acid, 2-methoxy-, meth... | 118 | C5H10O3  | 017639-76-8 | 9    |



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

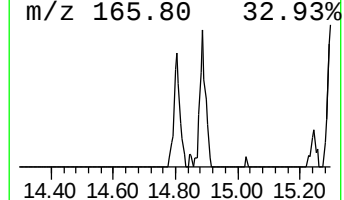
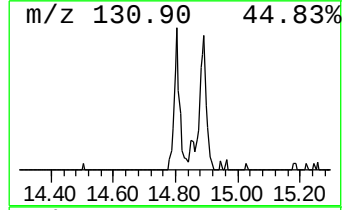
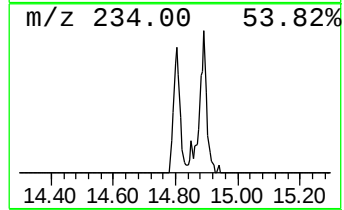
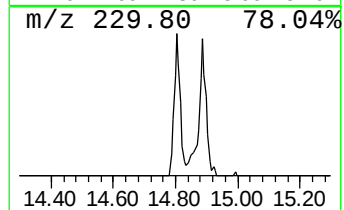
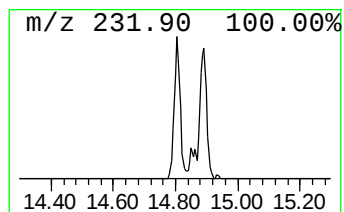
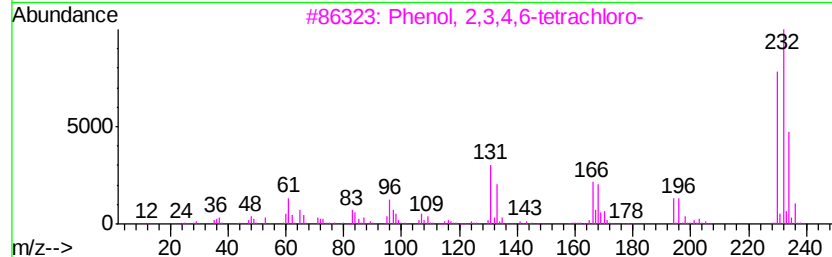
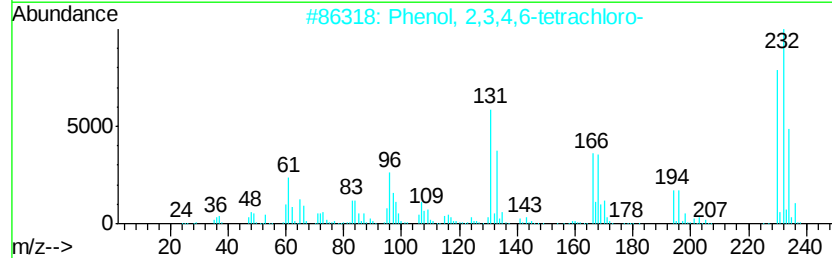
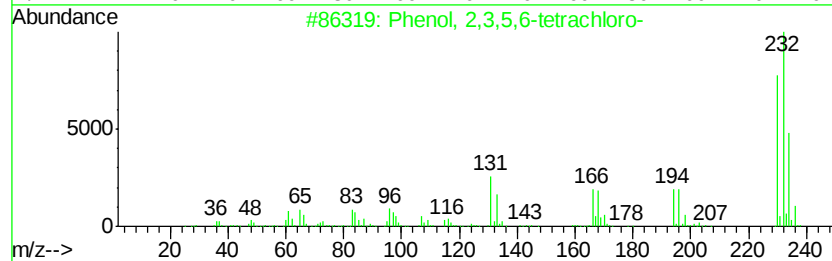
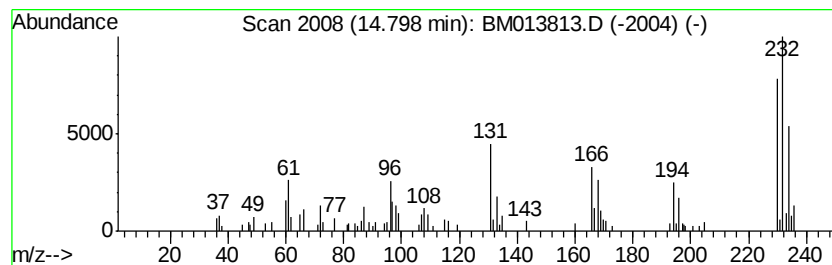
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Phenol, 2,3,5,6-tetrachloro- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.80 | 2.70 ng/ul | 143642 | Acenaphthene-d10 | 14.25 |

| Hit# | of | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------|-----|----------|-------------|------|
| 1    | 5  | Phenol, 2,3,5,6-tetrachloro- | 230 | C6H2Cl4O | 000935-95-5 | 98   |
| 2    |    | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 94   |
| 3    |    | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 91   |
| 4    |    | Phenol, 2,3,5,6-tetrachloro- | 230 | C6H2Cl4O | 000935-95-5 | 90   |
| 5    |    | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 87   |



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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B10

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

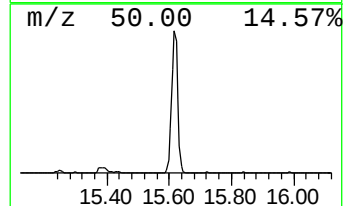
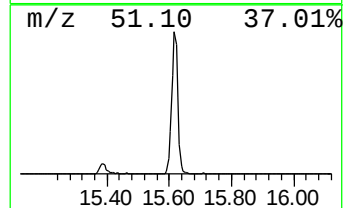
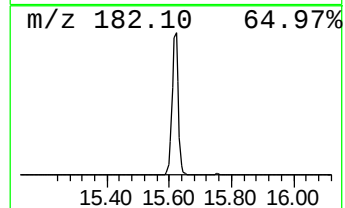
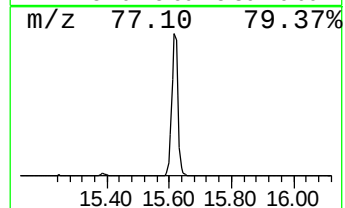
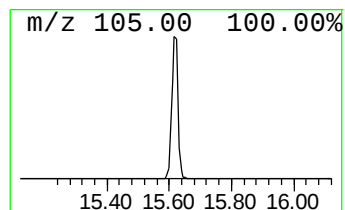
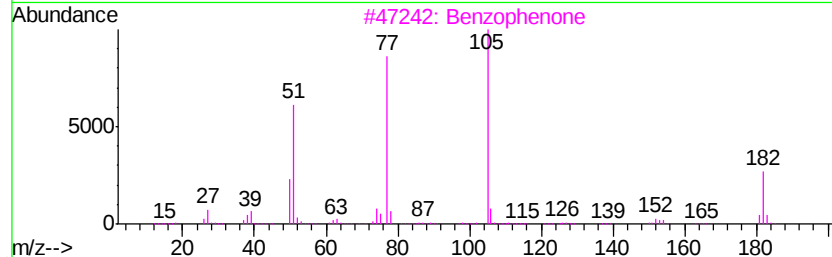
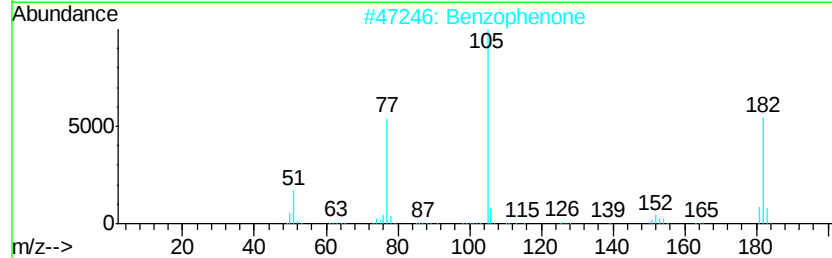
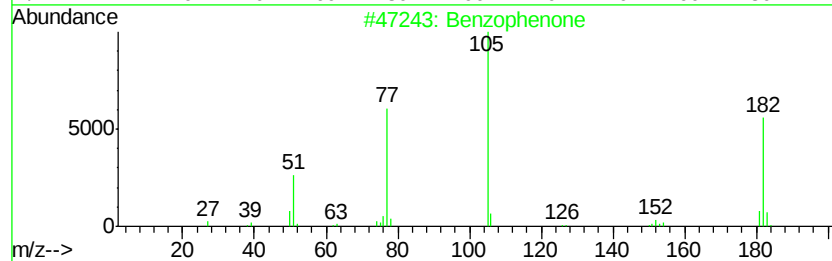
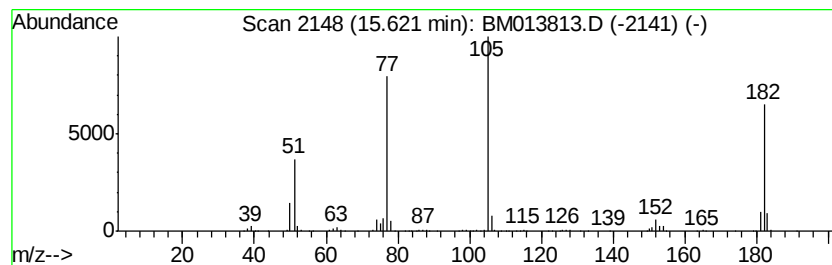
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzophenone Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.62 | 33.47 ng/ul | 1779740 | Acenaphthene-d10 | 14.25 |

| 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 | 97   |
| 4    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 97   |
| 5    |    | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |



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ALS Vial : 13 Sample Multiplier: 1

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

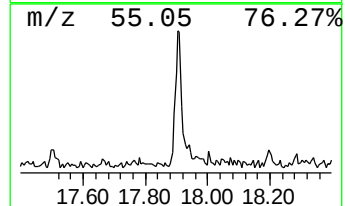
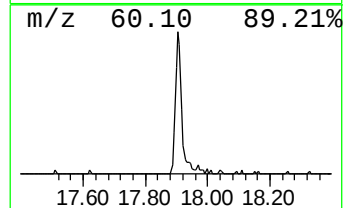
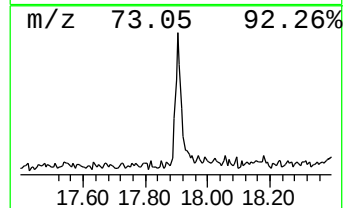
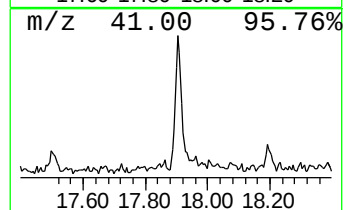
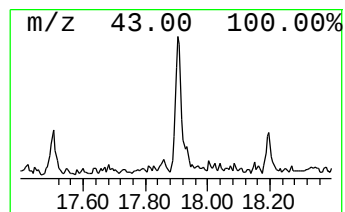
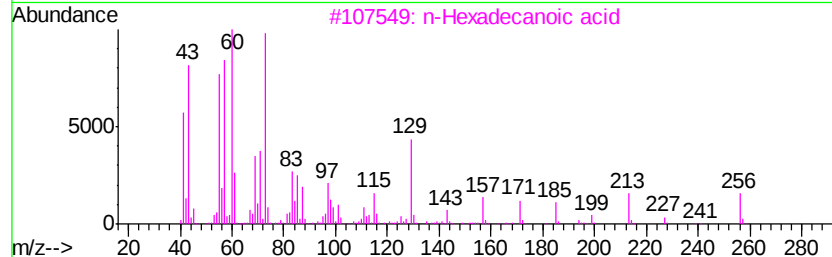
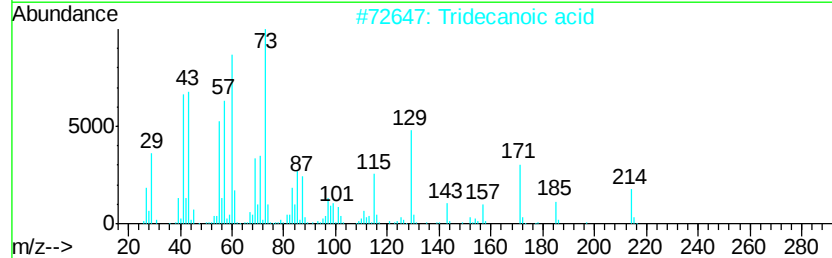
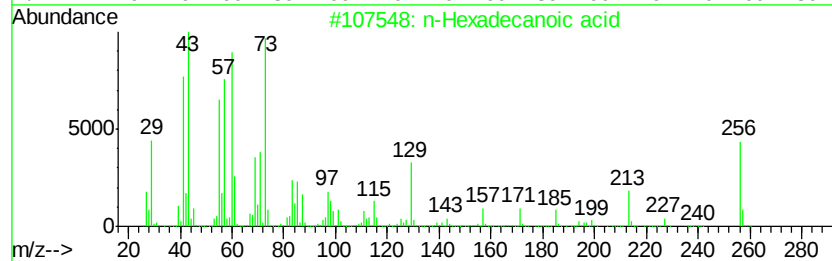
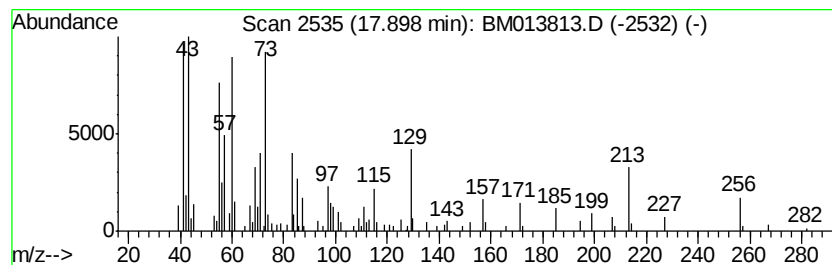
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.90 | 5.21 ng/ul | 314533 | Phenanthrene-d10 | 17.00 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 95   |      |
| 2       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 93   |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 92   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 90   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 86   |      |



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F6B10

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

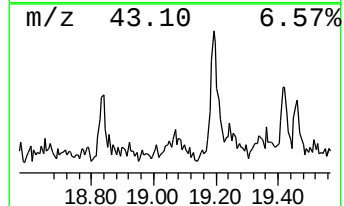
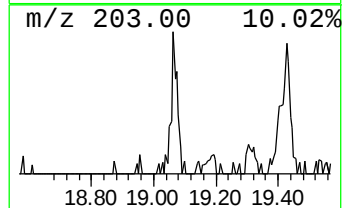
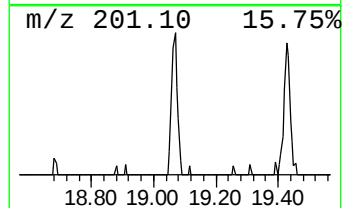
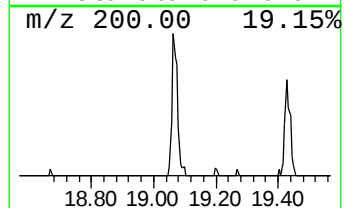
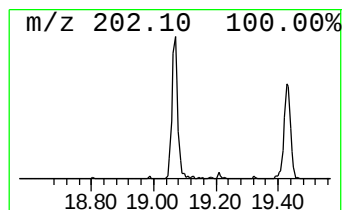
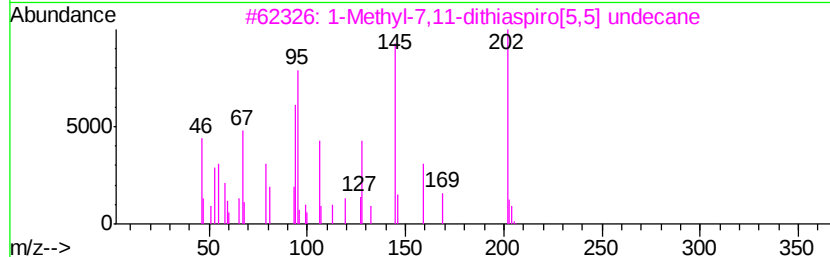
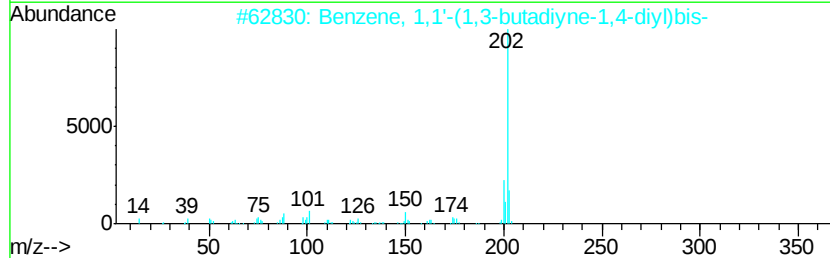
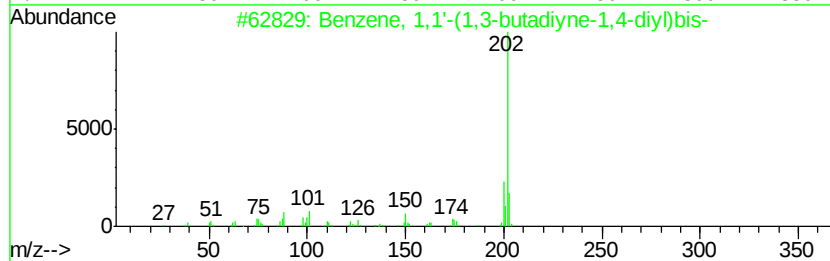
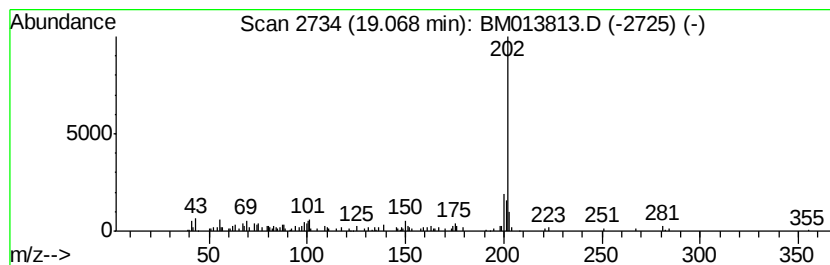
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.07 | 3.69 ng/ul | 222965 | Phenanthrene-d10 | 17.00 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10   | 000886-66-8 | 83   |
| 2       |   | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10   | 000886-66-8 | 64   |
| 3       |   | 1-Methyl-7,11-dithiaspiro[5.5] u... | 202 | C10H18S2 | 107678-22-8 | 60   |
| 4       |   | Fluoranthene                        | 202 | C16H10   | 000206-44-0 | 58   |
| 5       |   | Pyrene                              | 202 | C16H10   | 000129-00-0 | 58   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
Data File : BM013813.D  
Acq On : 25 Jan 2018 19:37  
Operator : SJ/JU  
Sample : J1233-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B10

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

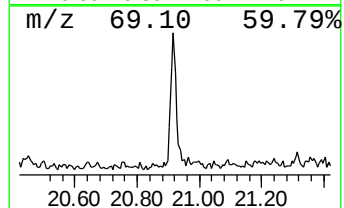
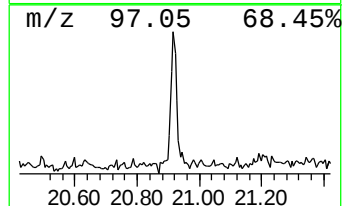
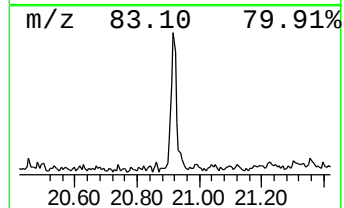
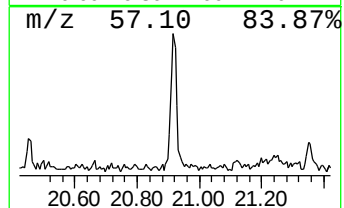
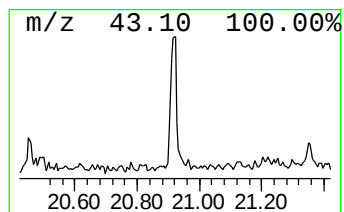
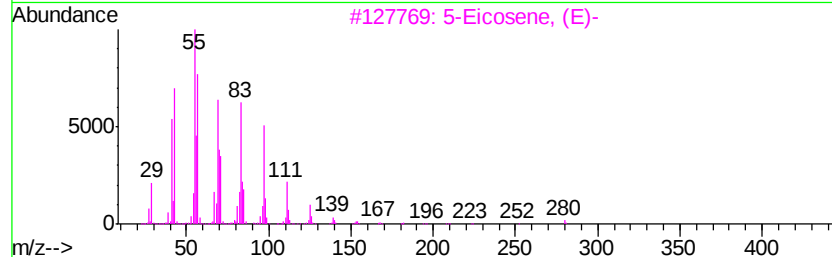
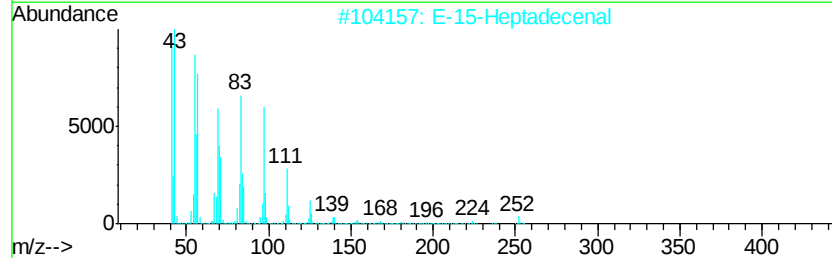
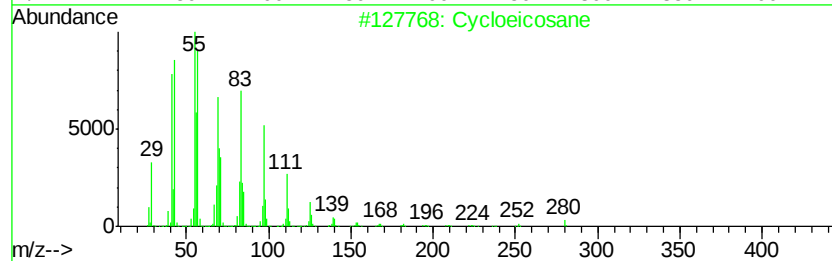
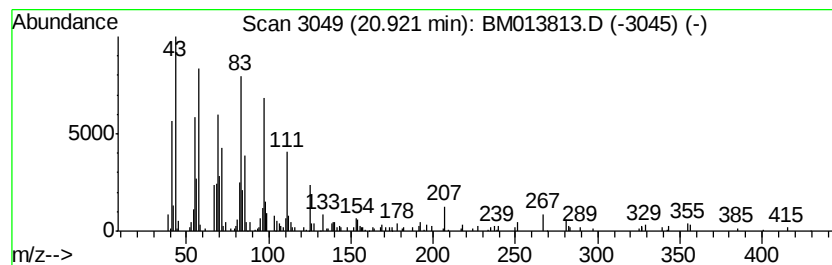
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Cyclic20.92 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.92 | 3.97 ng/ul | 302394 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cycloeicosane                       | 280 | C20H40      | 000296-56-0  | 99   |
| 2    |    | E-15-Heptadecenal                   | 252 | C17H32O     | 1000130-97-9 | 97   |
| 3    |    | 5-Eicosene, (E)-                    | 280 | C20H40      | 074685-30-6  | 96   |
| 4    |    | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5  | 95   |
| 5    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM012518\  
Data File : BM013813.D  
Acq On : 25 Jan 2018 19:37  
Operator : SJ/JU  
Sample : J1233-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B10

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 |
| unknown-01           | 11.70 | 5.5     | ng/ul | 236986   | 2                     | 10.37 | 859752  | 20.0 |
| Phenol, 2,3,5,6-t... | 14.80 | 2.7     | ng/ul | 143642   | 3                     | 14.25 | 1063430 | 20.0 |
| Benzophenone         | 15.62 | 33.5    | ng/ul | 1779740  | 3                     | 14.25 | 1063430 | 20.0 |
| n-Hexadecanoic acid  | 17.90 | 5.2     | ng/ul | 314533   | 4                     | 17.00 | 1206900 | 20.0 |
| Benzene, 1,1'-(1,... | 19.07 | 3.7     | ng/ul | 222965   | 4                     | 17.00 | 1206900 | 20.0 |
| (DEL) Alkane: Cyc... | 20.92 | 4.0     | ng/ul | 302394   | 5                     | 21.20 | 1523850 | 20.0 |