

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050118\  
 Data File : BM014900.D  
 Acq On : 01 May 2018 23:59  
 Operator : SJ/JU  
 Sample : J2638-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA1

## 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-BM041918.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         | 3.340       | 4             | 9           | 16           | rVB      | 1048921        | 1446229       | 15.83%          | 1.516%        |
| 2         | 3.640       | 56            | 60          | 67           | rBV      | 136422         | 190297        | 2.08%           | 0.199%        |
| 3         | 5.481       | 368           | 373         | 381          | rBV      | 139562         | 209729        | 2.30%           | 0.220%        |
| 4         | 7.616       | 731           | 736         | 751          | rVB      | 437506         | 782546        | 8.56%           | 0.820%        |
| 5         | 7.799       | 760           | 767         | 780          | rBV      | 1602197        | 2535064       | 27.74%          | 2.657%        |
| 6         | 8.016       | 796           | 804         | 814          | rBV      | 1650351        | 2748195       | 30.08%          | 2.880%        |
| 7         | 8.499       | 878           | 886         | 898          | rBV      | 1449662        | 2416210       | 26.44%          | 2.532%        |
| 8         | 9.193       | 997           | 1004        | 1014         | rBV      | 1193894        | 1971201       | 21.57%          | 2.066%        |
| 9         | 9.675       | 1079          | 1086        | 1094         | rBV      | 1894201        | 3278386       | 35.88%          | 3.436%        |
| 10        | 10.040      | 1142          | 1148        | 1154         | rBV      | 75019          | 111313        | 1.22%           | 0.117%        |
| 11        | 10.404      | 1203          | 1210        | 1221         | rBV      | 1501398        | 2607048       | 28.53%          | 2.732%        |
| 12        | 10.945      | 1294          | 1302        | 1318         | rBV      | 2228101        | 3757320       | 41.12%          | 3.938%        |
| 13        | 11.340      | 1361          | 1369        | 1379         | rBV      | 1992904        | 3371386       | 36.90%          | 3.533%        |
| 14        | 14.492      | 1896          | 1905        | 1910         | rBV      | 4011661        | 5468148       | 59.84%          | 5.730%        |
| 15        | 14.539      | 1910          | 1913        | 1918         | rVB      | 181363         | 245286        | 2.68%           | 0.257%        |
| 16        | 14.804      | 1950          | 1958        | 1970         | rBV      | 4489915        | 6732351       | 73.68%          | 7.055%        |
| 17        | 14.951      | 1979          | 1983        | 1988         | rVB      | 89307          | 112714        | 1.23%           | 0.118%        |
| 18        | 15.104      | 2001          | 2009        | 2018         | rBV2     | 2567640        | 4082483       | 44.68%          | 4.278%        |
| 19        | 15.257      | 2030          | 2035        | 2051         | rBV      | 288552         | 498764        | 5.46%           | 0.523%        |
| 20        | 15.892      | 2139          | 2143        | 2148         | rVB      | 124768         | 148846        | 1.63%           | 0.156%        |
| 21        | 16.080      | 2168          | 2175        | 2186         | rBV      | 5573945        | 8034631       | 87.93%          | 8.420%        |
| 22        | 16.180      | 2186          | 2192        | 2204         | rVV      | 1809120        | 2460016       | 26.92%          | 2.578%        |
| 23        | 16.316      | 2204          | 2215        | 2220         | rVB3     | 66164          | 163023        | 1.78%           | 0.171%        |
| 24        | 16.739      | 2283          | 2287        | 2297         | rBV      | 97361          | 159466        | 1.75%           | 0.167%        |
| 25        | 17.816      | 2463          | 2470        | 2480         | rBV      | 3279391        | 4703908       | 51.48%          | 4.930%        |
| 26        | 17.910      | 2480          | 2486        | 2495         | rBV2     | 5714634        | 8406790       | 92.01%          | 8.810%        |
| 27        | 18.639      | 2605          | 2610        | 2623         | rBV      | 443819         | 696956        | 7.63%           | 0.730%        |
| 28        | 19.880      | 2817          | 2821        | 2830         | rBV      | 370170         | 508319        | 5.56%           | 0.533%        |
| 29        | 20.151      | 2861          | 2867        | 2878         | rBV      | 6833286        | 9137299       | 100.00%         | 9.576%        |
| 30        | 21.562      | 3103          | 3107        | 3119         | rBV      | 380760         | 598101        | 6.55%           | 0.627%        |
| 31        | 21.904      | 3159          | 3165        | 3174         | rBV      | 3624508        | 4910646       | 53.74%          | 5.146%        |
| 32        | 24.221      | 3552          | 3559        | 3574         | rVB      | 4196194        | 8501750       | 93.04%          | 8.910%        |
| 33        | 24.380      | 3579          | 3586        | 3597         | rVB      | 2170889        | 4428875       | 48.47%          | 4.641%        |

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA1

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

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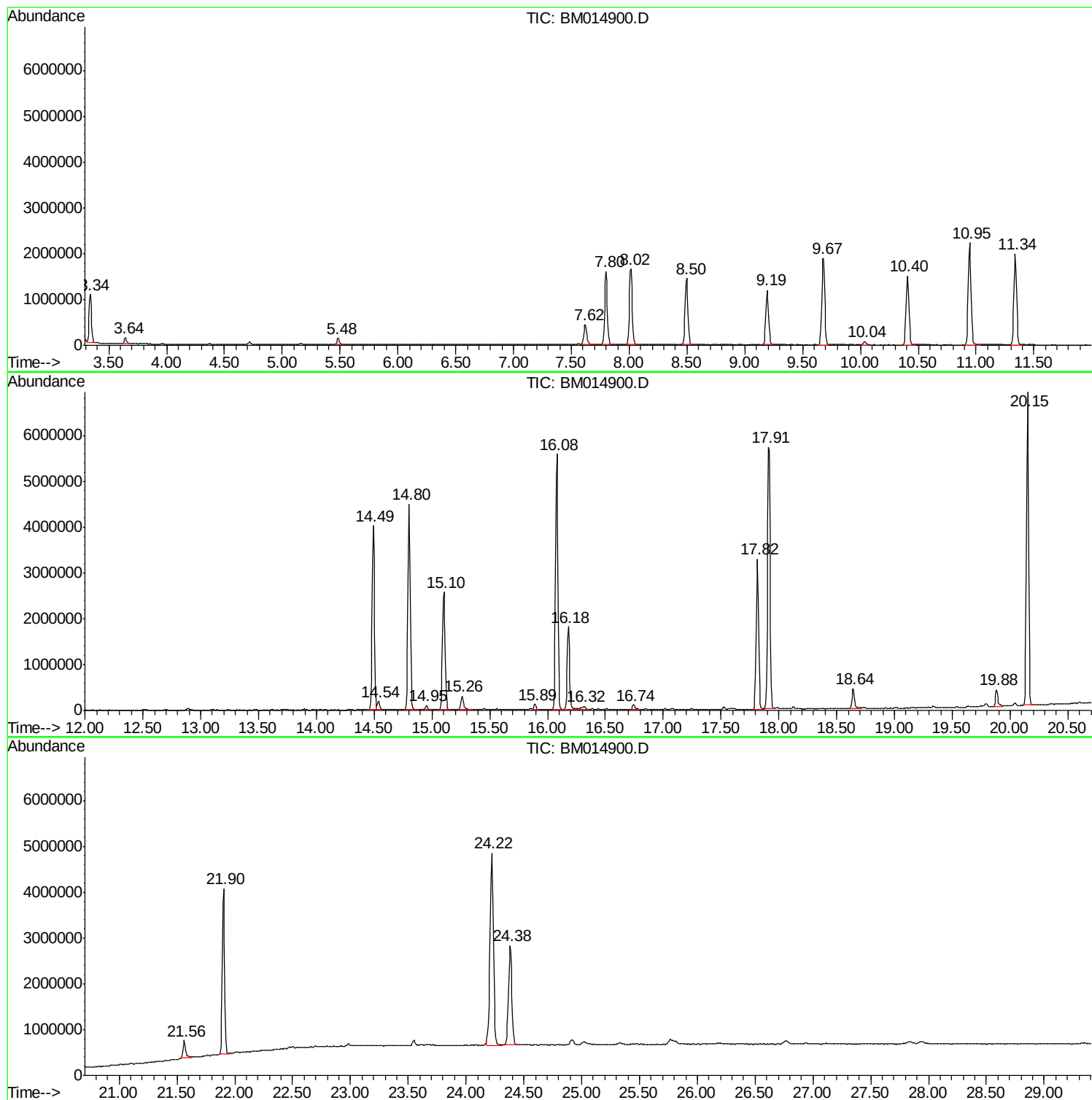
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

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



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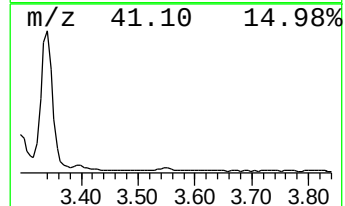
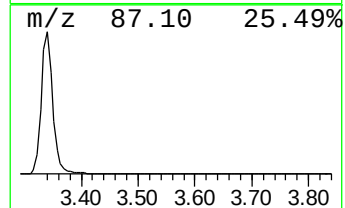
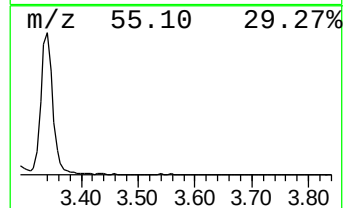
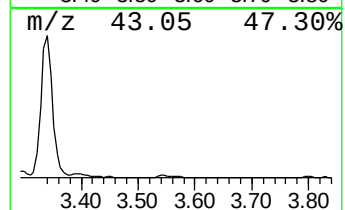
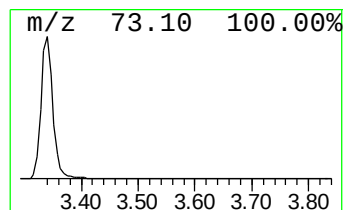
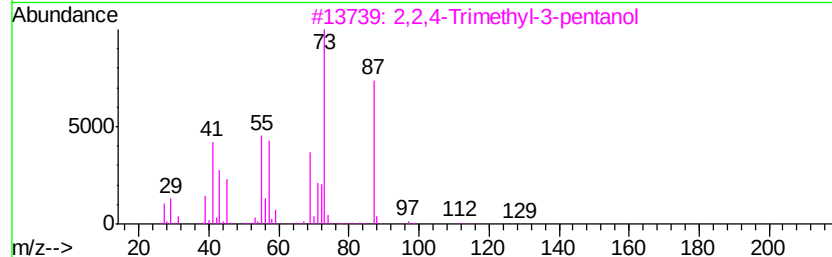
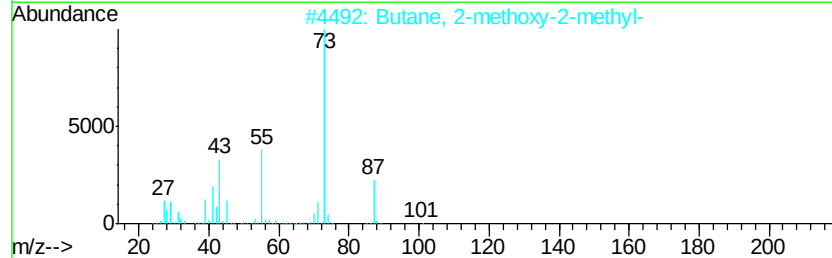
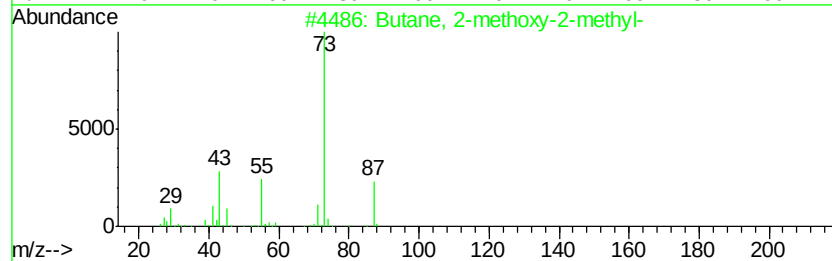
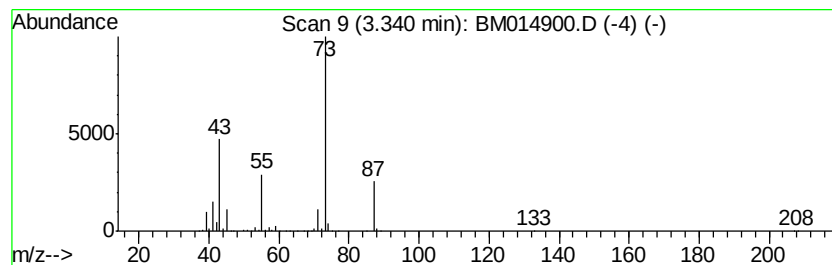
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|-----------------------------|--------------|------------------------|-------------|------|------|
| 3.34    | 11.97 ng/ul                 | 1446230      | 1,4-Dichlorobenzene-d4 | 8.50        |      |      |
| Hit# of | 5                           | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O                 | 000994-05-8 | 83   |      |
| 2       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O                 | 000994-05-8 | 78   |      |
| 3       | 2,2,4-Trimethyl-3-pentanol  | 130          | C8H18O                 | 005162-48-1 | 40   |      |
| 4       | 1,3-Dioxolane, 2-methyl-    | 88           | C4H8O2                 | 000497-26-7 | 23   |      |
| 5       | Silane, tetramethyl-        | 88           | C4H12Si                | 000075-76-3 | 17   |      |



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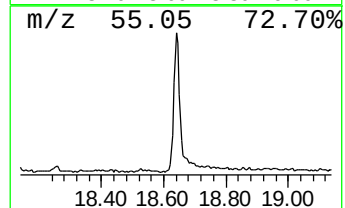
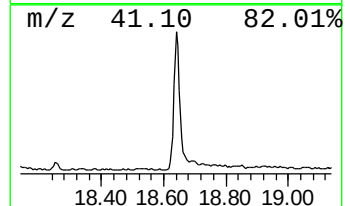
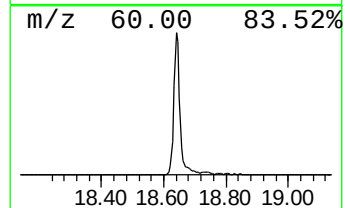
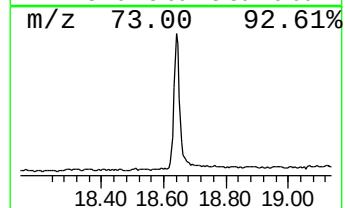
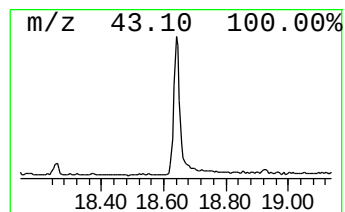
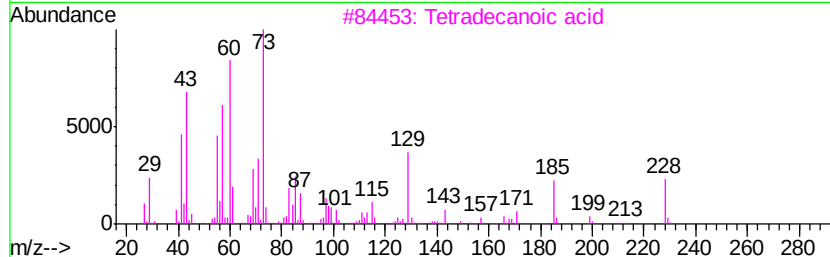
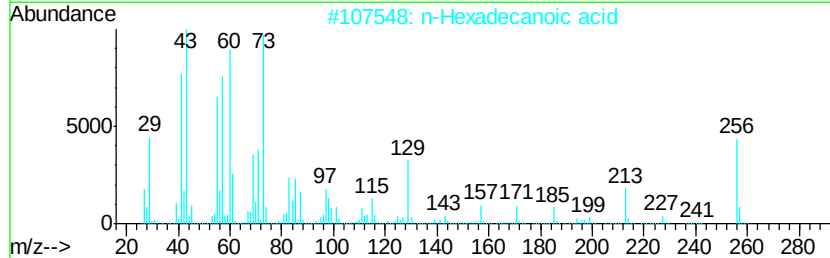
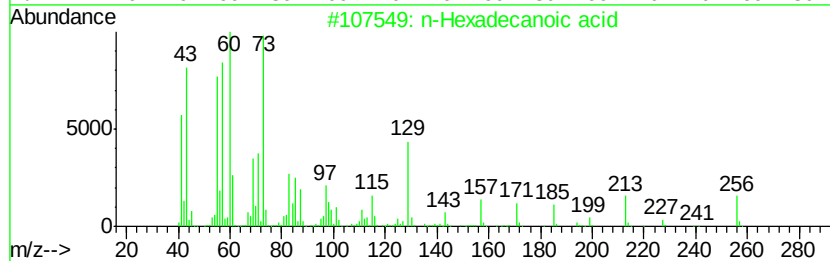
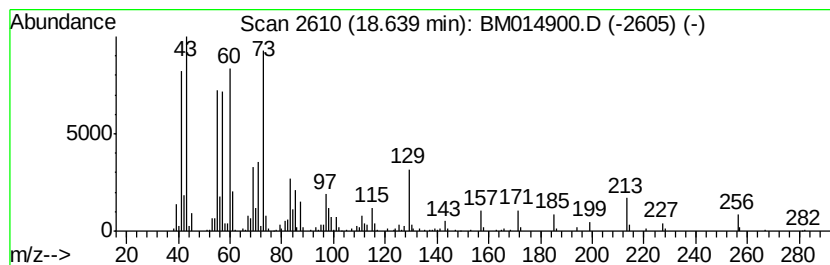
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 18.64   | 2.96 ng/ul          | 696956       | Phenanthrene-d10 | 17.82       |      |      |
| 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 | 97   |      |
| 3       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 94   |      |
| 4       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 91   |      |
| 5       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 90   |      |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

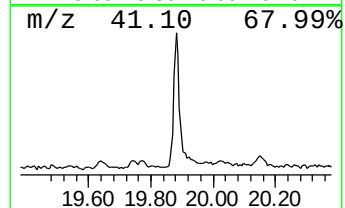
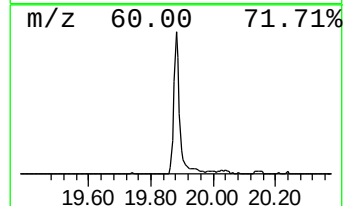
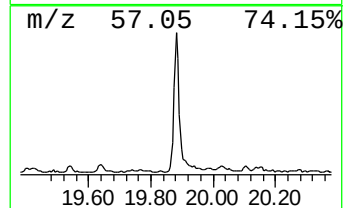
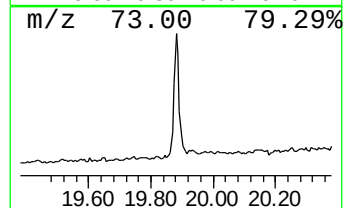
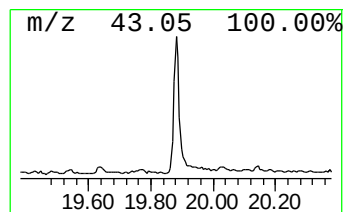
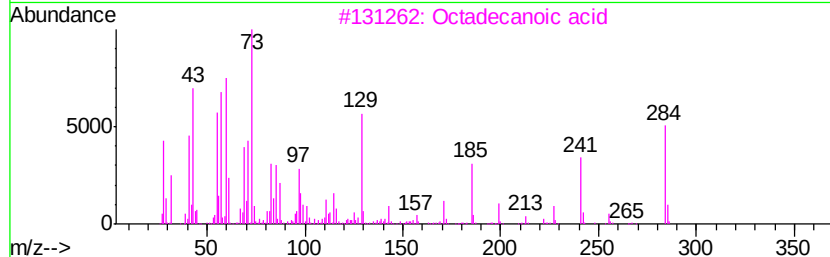
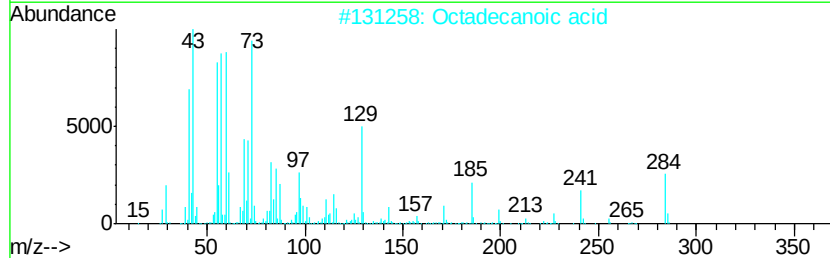
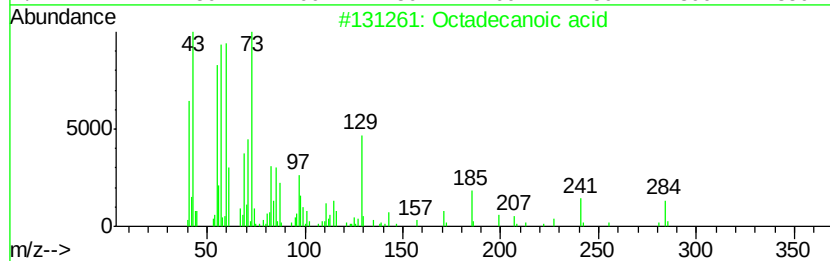
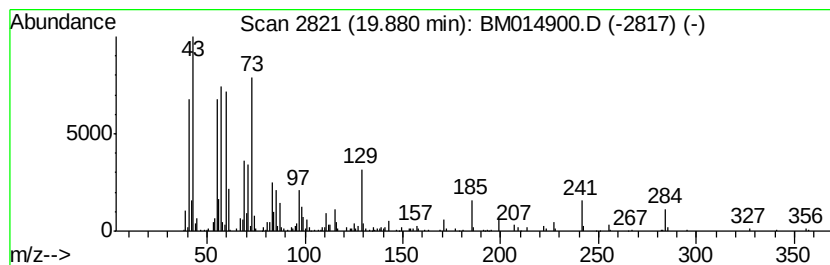
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.88 | 2.07 ng/ul | 508319 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | 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 | 98   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 5    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 90   |



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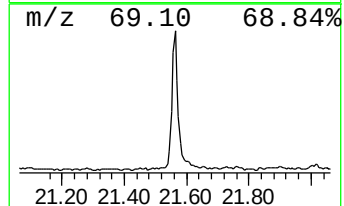
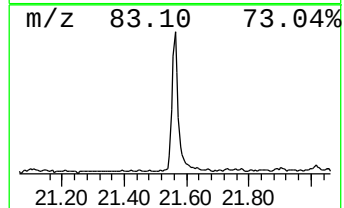
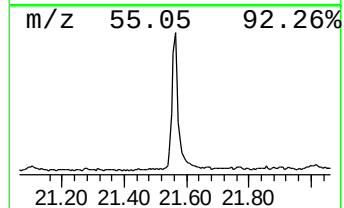
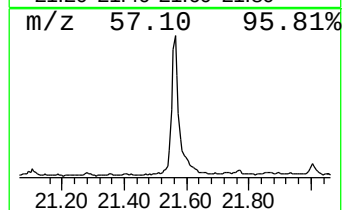
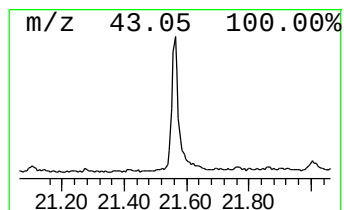
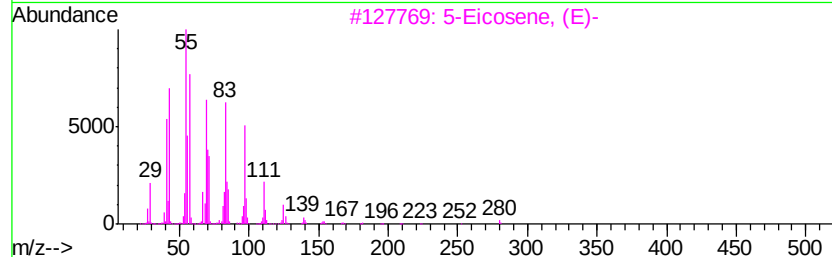
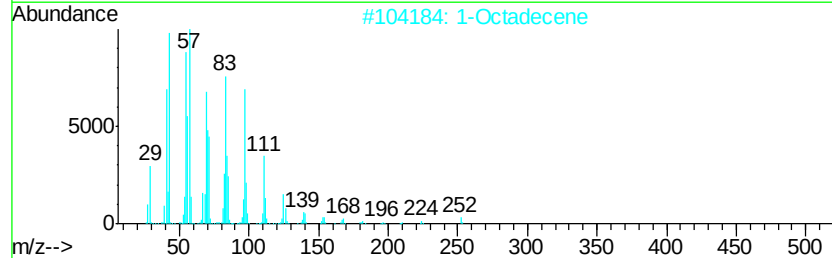
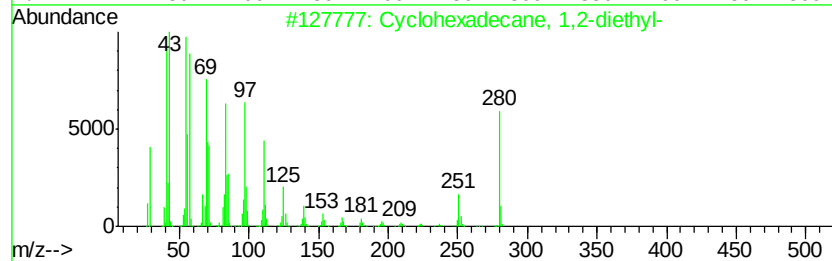
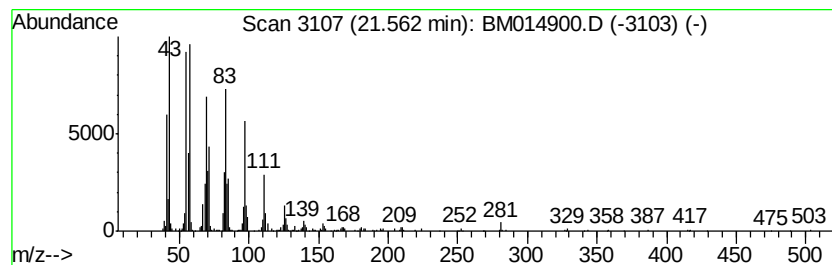
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 (DEL) Alkane: Cyclic21.56 Concentration Rank 3

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.            |
|---------|------------|-------------------------------------|------------------|-----------------|
| 21.56   | 2.44 ng/ul | 598101                              | Chrysene-d12     | 21.90           |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |            | Cyclohexadecane, 1,2-diethyl-       | 280 C20H40       | 1000155-85-3 97 |
| 2       |            | 1-Octadecene                        | 252 C18H36       | 000112-88-9 97  |
| 3       |            | 5-Eicosene, (E)-                    | 280 C20H40       | 074685-30-6 97  |
| 4       |            | Cyclopentadecane                    | 210 C15H30       | 000295-48-7 96  |
| 5       |            | Trichloroacetic acid, pentadecyl... | 372 C17H31Cl3O2  | 074339-53-0 95  |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.34  | 12.0    | ng/ul | 1446230  | 1                     | 8.50  | 2416210 | 20.0 |
| n-Hexadecanoic acid  | 18.64 | 3.0     | ng/ul | 696956   | 4                     | 17.82 | 4703910 | 20.0 |
| Octadecanoic acid    | 19.88 | 2.1     | ng/ul | 508319   | 5                     | 21.90 | 4910650 | 20.0 |
| (DEL) Alkane: Cyc... | 21.56 | 2.4     | ng/ul | 598101   | 5                     | 21.90 | 4910650 | 20.0 |