

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081019\  
 Data File : BG042122.D  
 Acq On : 10 Aug 2019 12:04  
 Operator : HP/JU  
 Sample : K4184-04  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AA1

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\_G\METHODS\SOM-EPA-BG080319MA.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       | 5             | 10          | 24           | rVB      | 549312         | 871144        | 36.67%          | 3.625%        |
| 2         | 3.410       | 51            | 55          | 65           | rVB      | 11716          | 20045         | 0.84%           | 0.083%        |
| 3         | 4.074       | 163           | 168         | 173          | rVB4     | 4767           | 8571          | 0.36%           | 0.036%        |
| 4         | 4.168       | 179           | 184         | 189          | rBV4     | 4987           | 9314          | 0.39%           | 0.039%        |
| 5         | 4.321       | 205           | 210         | 214          | rBV4     | 1401           | 2964          | 0.12%           | 0.012%        |
| 6         | 7.182       | 690           | 697         | 709          | rBV2     | 50629          | 109731        | 4.62%           | 0.457%        |
| 7         | 7.341       | 717           | 724         | 736          | rBV      | 188029         | 339433        | 14.29%          | 1.413%        |
| 8         | 7.558       | 754           | 761         | 774          | rBV      | 221647         | 413293        | 17.39%          | 1.720%        |
| 9         | 8.028       | 833           | 841         | 850          | rBV      | 311462         | 556704        | 23.43%          | 2.317%        |
| 10        | 8.739       | 955           | 962         | 974          | rBV      | 163182         | 317767        | 13.37%          | 1.322%        |
| 11        | 9.192       | 1031          | 1039        | 1053         | rBV      | 265909         | 490273        | 20.63%          | 2.040%        |
| 12        | 9.920       | 1155          | 1163        | 1183         | rBV      | 233453         | 429884        | 18.09%          | 1.789%        |
| 13        | 10.473      | 1249          | 1257        | 1277         | rBV      | 322717         | 683037        | 28.75%          | 2.843%        |
| 14        | 10.849      | 1312          | 1321        | 1330         | rBV      | 448780         | 822828        | 34.63%          | 3.424%        |
| 15        | 10.990      | 1339          | 1345        | 1358         | rBV2     | 18963          | 46420         | 1.95%           | 0.193%        |
| 16        | 12.447      | 1587          | 1593        | 1605         | rBV4     | 5925           | 12911         | 0.54%           | 0.054%        |
| 17        | 13.322      | 1735          | 1742        | 1747         | rBV2     | 3341           | 6105          | 0.26%           | 0.025%        |
| 18        | 13.657      | 1792          | 1799        | 1803         | rVB4     | 1394           | 2885          | 0.12%           | 0.012%        |
| 19        | 14.086      | 1865          | 1872        | 1877         | rBV      | 707233         | 1072793       | 45.15%          | 4.465%        |
| 20        | 14.133      | 1877          | 1880        | 1892         | rVB      | 108785         | 159615        | 6.72%           | 0.664%        |
| 21        | 14.380      | 1914          | 1922        | 1937         | rBV      | 851088         | 1383348       | 58.22%          | 5.757%        |
| 22        | 14.685      | 1964          | 1974        | 1986         | rBV      | 754027         | 1232988       | 51.89%          | 5.131%        |
| 23        | 14.891      | 2004          | 2009        | 2020         | rBV3     | 23257          | 64159         | 2.70%           | 0.267%        |
| 24        | 15.537      | 2116          | 2119        | 2122         | rBV2     | 2423           | 2554          | 0.11%           | 0.011%        |
| 25        | 15.678      | 2136          | 2143        | 2157         | rBV      | 1129595        | 1742595       | 73.34%          | 7.252%        |
| 26        | 15.796      | 2157          | 2163        | 2178         | rVV      | 252651         | 421544        | 17.74%          | 1.754%        |
| 27        | 15.925      | 2180          | 2185        | 2189         | rVB3     | 12729          | 20874         | 0.88%           | 0.087%        |
| 28        | 16.395      | 2262          | 2265        | 2269         | rBV3     | 2839           | 3891          | 0.16%           | 0.016%        |
| 29        | 16.471      | 2273          | 2278        | 2283         | rVB4     | 4278           | 6956          | 0.29%           | 0.029%        |
| 30        | 17.112      | 2385          | 2387        | 2391         | rBV2     | 2274           | 2425          | 0.10%           | 0.010%        |
| 31        | 17.206      | 2395          | 2403        | 2404         | rBV4     | 2611           | 4845          | 0.20%           | 0.020%        |
| 32        | 17.229      | 2404          | 2407        | 2414         | rVB5     | 3869           | 6081          | 0.26%           | 0.025%        |
| 33        | 17.441      | 2436          | 2443        | 2451         | rBV2     | 945864         | 1474732       | 62.07%          | 6.137%        |
| 34        | 17.541      | 2452          | 2460        | 2471         | rVV      | 1221918        | 1887778       | 79.45%          | 7.856%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081019\  
Data File : BG042122.D  
Acq On : 10 Aug 2019 12:04  
Operator : HP/JU  
Sample : K4184-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 0.1 % 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\_G\METHODS\SOM-EPA-BG080319MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 17.940 | 2524 | 2528 | 2533 | rVB3 | 3044    | 4628    | 0.19%   | 0.019% |
| 36 | 18.334 | 2591 | 2595 | 2602 | rBV7 | 9369    | 20960   | 0.88%   | 0.087% |
| 37 | 18.628 | 2640 | 2645 | 2649 | rBV7 | 4297    | 7468    | 0.31%   | 0.031% |
| 38 | 19.192 | 2739 | 2741 | 2743 | rBV3 | 2693    | 2521    | 0.11%   | 0.010% |
| 39 | 19.256 | 2748 | 2752 | 2755 | rBV3 | 10102   | 12085   | 0.51%   | 0.050% |
| 40 | 19.462 | 2783 | 2787 | 2792 | rBV2 | 19161   | 30909   | 1.30%   | 0.129% |
| 41 | 19.715 | 2825 | 2830 | 2835 | rBV2 | 13786   | 22734   | 0.96%   | 0.095% |
| 42 | 19.826 | 2842 | 2849 | 2859 | rBV  | 1589592 | 2342342 | 98.59%  | 9.748% |
| 43 | 20.055 | 2882 | 2888 | 2889 | rBV5 | 5084    | 7712    | 0.32%   | 0.032% |
| 44 | 20.361 | 2936 | 2940 | 2943 | rBV  | 30580   | 34182   | 1.44%   | 0.142% |
| 45 | 20.719 | 2998 | 3001 | 3005 | rBV6 | 11623   | 16194   | 0.68%   | 0.067% |
| 46 | 20.855 | 3020 | 3024 | 3028 | rBV2 | 54483   | 65530   | 2.76%   | 0.273% |
| 47 | 20.890 | 3028 | 3030 | 3035 | rVB5 | 8515    | 9167    | 0.39%   | 0.038% |
| 48 | 21.372 | 3107 | 3112 | 3122 | rBV2 | 104669  | 195296  | 8.22%   | 0.813% |
| 49 | 21.724 | 3165 | 3172 | 3183 | rBV  | 992122  | 1692645 | 71.24%  | 7.044% |
| 50 | 21.924 | 3202 | 3206 | 3212 | rVB  | 75582   | 107958  | 4.54%   | 0.449% |
| 51 | 22.547 | 3307 | 3312 | 3318 | rBV  | 70412   | 112160  | 4.72%   | 0.467% |
| 52 | 23.252 | 3427 | 3432 | 3442 | rVB2 | 72259   | 150428  | 6.33%   | 0.626% |
| 53 | 23.457 | 3462 | 3467 | 3473 | rVB3 | 25947   | 53583   | 2.26%   | 0.223% |
| 54 | 24.080 | 3567 | 3573 | 3581 | rBV  | 68723   | 156562  | 6.59%   | 0.652% |
| 55 | 24.768 | 3678 | 3690 | 3708 | rBV  | 824425  | 2375930 | 100.00% | 9.888% |
| 56 | 24.991 | 3718 | 3728 | 3748 | rBV2 | 567761  | 1875642 | 78.94%  | 7.806% |
| 57 | 26.219 | 3932 | 3937 | 3946 | rVB5 | 37464   | 101528  | 4.27%   | 0.423% |

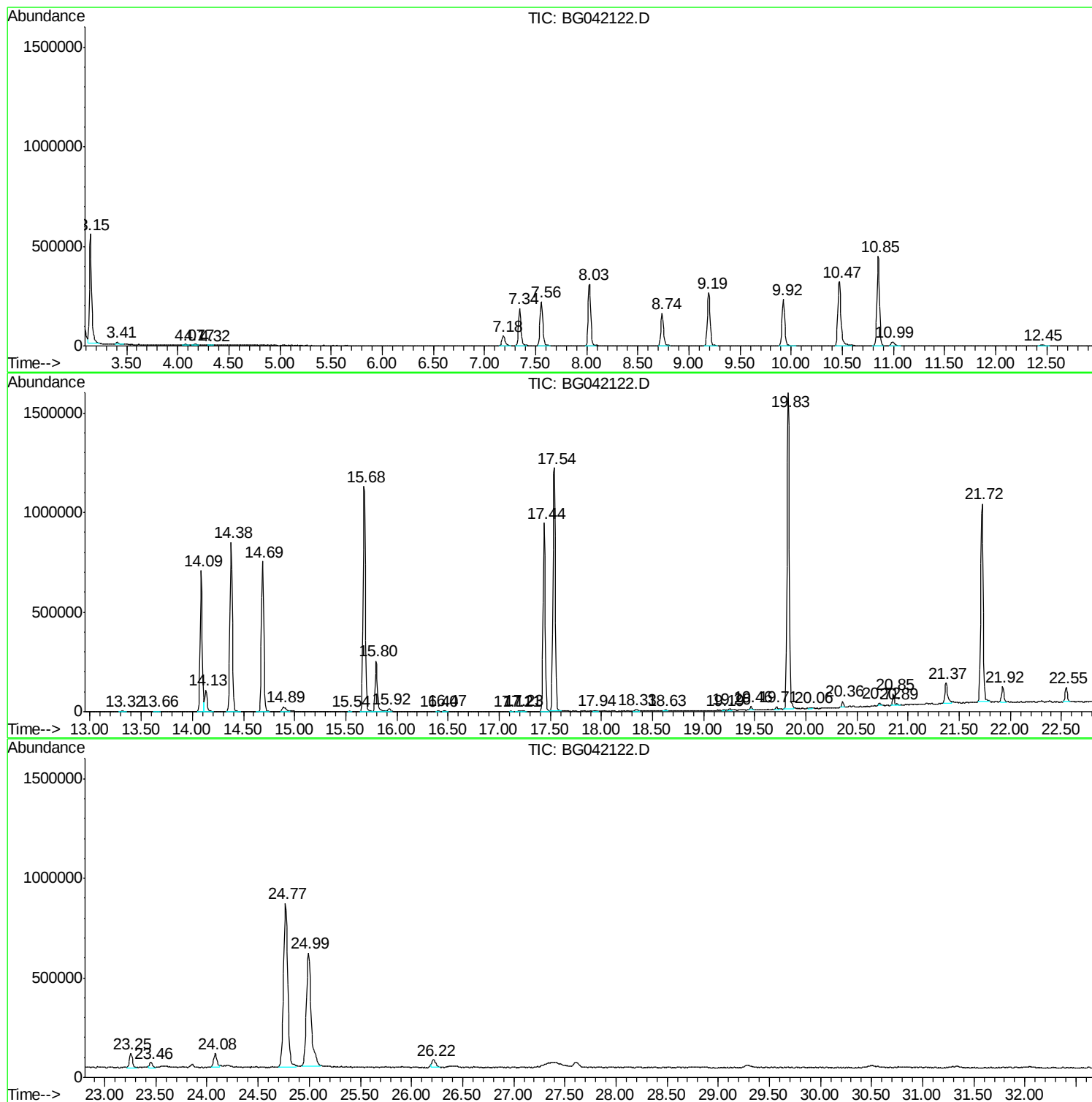
Sum of corrected areas: 24028651

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081019\  
Data File : BG042122.D  
Acq On : 10 Aug 2019 12:04  
Operator : HP/JU  
Sample : K4184-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081019\  
Data File : BG042122.D  
Acq On : 10 Aug 2019 12:04  
Operator : HP/JU  
Sample : K4184-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

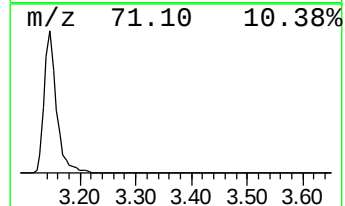
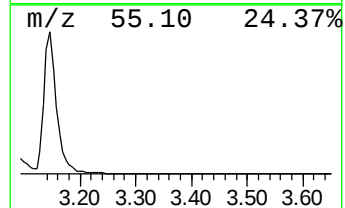
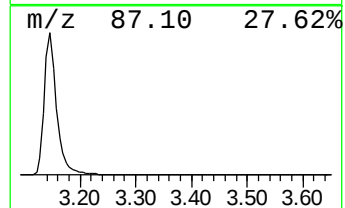
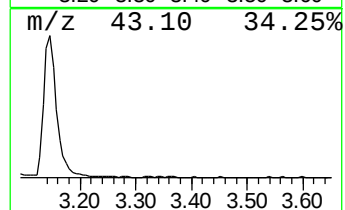
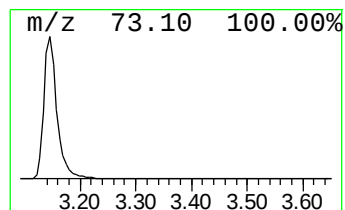
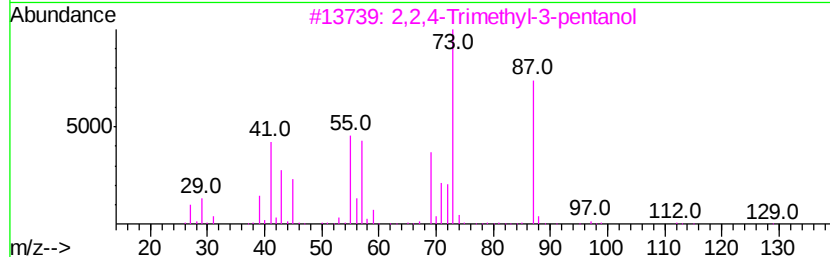
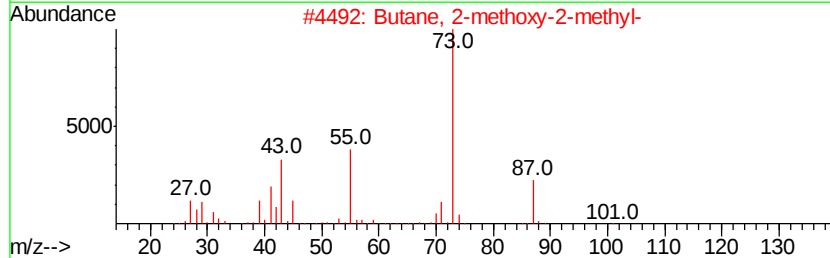
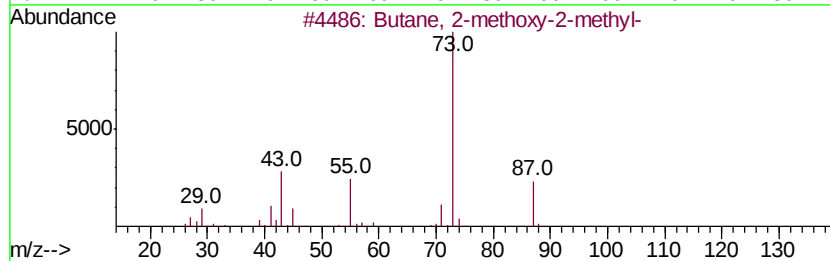
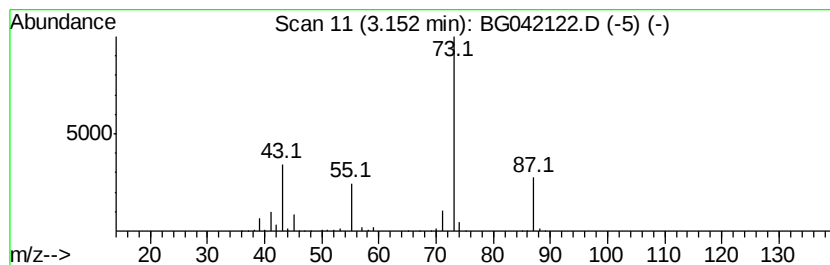
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.15 | 31.30 ng/ul | 871144 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 45   |
| 3    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081019\  
Data File : BG042122.D  
Acq On : 10 Aug 2019 12:04  
Operator : HP/JU  
Sample : K4184-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

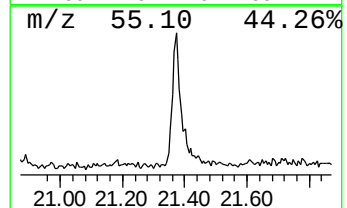
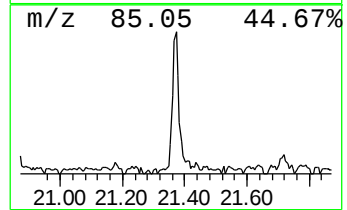
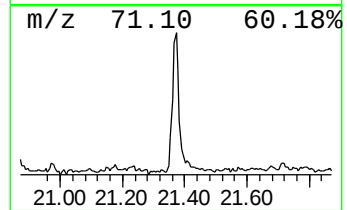
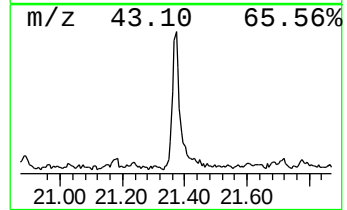
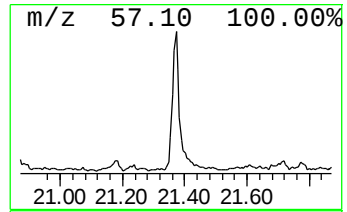
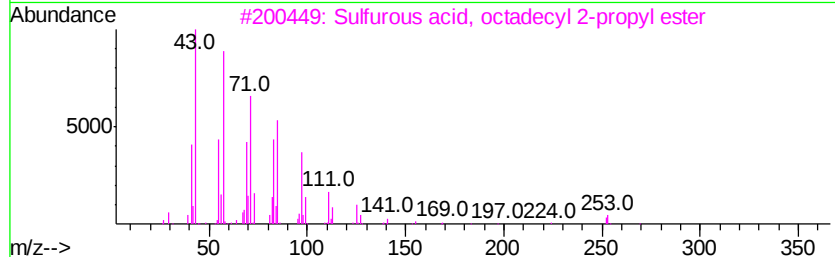
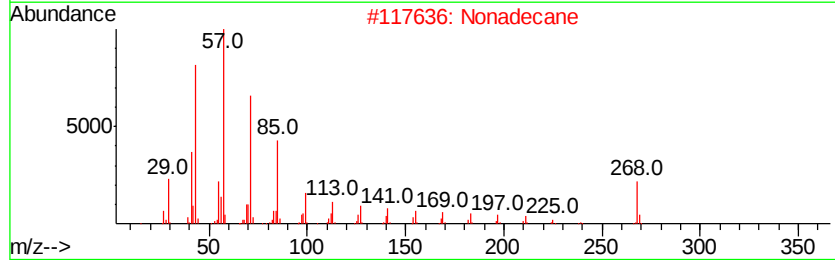
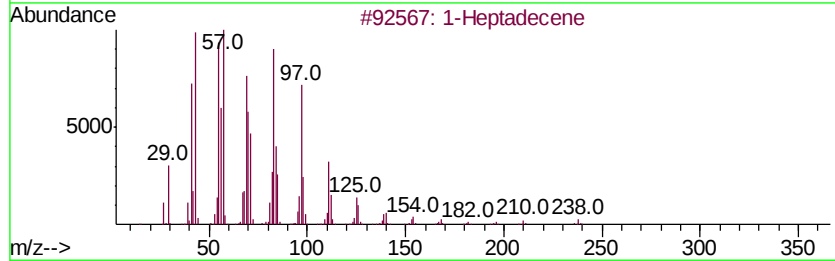
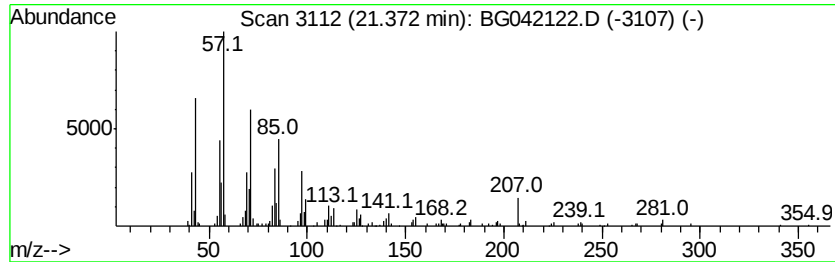
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic21.37 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.37 | 2.31 ng/ul | 195296 | Chrysene-d12     | 21.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1-Heptadecene                       | 238 | C17H34    | 006765-39-5  | 94   |
| 2    |    | Nonadecane                          | 268 | C19H40    | 000629-92-5  | 92   |
| 3    |    | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 87   |
| 4    |    | Tritetracontane                     | 605 | C43H88    | 007098-21-7  | 87   |
| 5    |    | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG081019\  
Data File : BG042122.D  
Acq On : 10 Aug 2019 12:04  
Operator : HP/JU  
Sample : K4184-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.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 |
| Butane, 2-methoxy... | 3.15  | 31.3    | ng/ul | 871144   | 1                     | 8.03  | 556704  | 20.0 |
| (DEL) Alkane: Cyc... | 21.37 | 2.3     | ng/ul | 195296   | 5                     | 21.72 | 1692650 | 20.0 |