

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022515\  
 Data File : BG016041.D  
 Acq On : 25 Feb 2015 18:08  
 Operator : TP/IZ  
 Sample : G1354-07  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AE2

## 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:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.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         | 2.741       | 6             | 9           | 18           | rVB      | 31392          | 43914         | 2.41%           | 0.209%        |
| 2         | 2.959       | 40            | 46          | 54           | rVV      | 306351         | 516804        | 28.33%          | 2.454%        |
| 3         | 3.029       | 54            | 58          | 71           | rVB      | 762344         | 1002260       | 54.94%          | 4.759%        |
| 4         | 3.810       | 187           | 191         | 195          | rBV      | 8851           | 12934         | 0.71%           | 0.061%        |
| 5         | 3.846       | 195           | 197         | 201          | rVB4     | 5723           | 6587          | 0.36%           | 0.031%        |
| 6         | 4.932       | 377           | 382         | 390          | rVV2     | 30795          | 48719         | 2.67%           | 0.231%        |
| 7         | 6.971       | 722           | 729         | 741          | rBV      | 181064         | 306793        | 16.82%          | 1.457%        |
| 8         | 7.141       | 751           | 758         | 767          | rBV      | 150449         | 237973        | 13.05%          | 1.130%        |
| 9         | 7.341       | 785           | 792         | 801          | rBV      | 171692         | 267453        | 14.66%          | 1.270%        |
| 10        | 7.435       | 804           | 808         | 815          | rVB2     | 8349           | 11455         | 0.63%           | 0.054%        |
| 11        | 7.811       | 865           | 872         | 880          | rBV      | 345439         | 528549        | 28.98%          | 2.510%        |
| 12        | 8.504       | 983           | 990         | 1000         | rBV      | 222465         | 344148        | 18.87%          | 1.634%        |
| 13        | 8.627       | 1006          | 1011        | 1017         | rVB      | 8334           | 14314         | 0.78%           | 0.068%        |
| 14        | 8.962       | 1061          | 1068        | 1077         | rBV      | 148041         | 236092        | 12.94%          | 1.121%        |
| 15        | 9.385       | 1135          | 1140        | 1144         | rBV3     | 4755           | 6334          | 0.35%           | 0.030%        |
| 16        | 9.679       | 1181          | 1190        | 1197         | rBV      | 81356          | 137817        | 7.56%           | 0.654%        |
| 17        | 10.214      | 1274          | 1281        | 1298         | rBV      | 199429         | 328030        | 17.98%          | 1.558%        |
| 18        | 10.595      | 1336          | 1346        | 1359         | rBV      | 533910         | 883307        | 48.42%          | 4.195%        |
| 19        | 10.730      | 1362          | 1369        | 1384         | rVV      | 186605         | 316331        | 17.34%          | 1.502%        |
| 20        | 11.911      | 1565          | 1570        | 1575         | rBV      | 9656           | 15927         | 0.87%           | 0.076%        |
| 21        | 12.792      | 1714          | 1720        | 1725         | rBV3     | 4523           | 6281          | 0.34%           | 0.030%        |
| 22        | 13.045      | 1758          | 1763        | 1767         | rBV      | 6790           | 8614          | 0.47%           | 0.041%        |
| 23        | 13.844      | 1890          | 1899        | 1904         | rBV      | 382886         | 523866        | 28.72%          | 2.488%        |
| 24        | 13.891      | 1904          | 1907        | 1915         | rVB      | 38648          | 49262         | 2.70%           | 0.234%        |
| 25        | 14.126      | 1941          | 1947        | 1954         | rVV      | 483024         | 719266        | 39.43%          | 3.416%        |
| 26        | 14.337      | 1979          | 1983        | 1987         | rVB2     | 6770           | 8855          | 0.49%           | 0.042%        |
| 27        | 14.437      | 1990          | 2000        | 2007         | rVV2     | 818036         | 1252517       | 68.66%          | 5.948%        |
| 28        | 14.496      | 2007          | 2010        | 2018         | rVB      | 8987           | 12909         | 0.71%           | 0.061%        |
| 29        | 14.619      | 2024          | 2031        | 2040         | rBV      | 92350          | 147386        | 8.08%           | 0.700%        |
| 30        | 14.848      | 2063          | 2070        | 2077         | rBV6     | 13762          | 24974         | 1.37%           | 0.119%        |
| 31        | 15.254      | 2132          | 2139        | 2143         | rVV      | 31455          | 45293         | 2.48%           | 0.215%        |
| 32        | 15.424      | 2162          | 2168        | 2174         | rBV      | 639054         | 888605        | 48.71%          | 4.220%        |
| 33        | 15.483      | 2174          | 2178        | 2182         | rVV2     | 9557           | 12431         | 0.68%           | 0.059%        |
| 34        | 15.536      | 2182          | 2187        | 2193         | rVB      | 52897          | 68670         | 3.76%           | 0.326%        |

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 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.665 | 2203 | 2209 | 2212 | rBV2 | 6979    | 8937    | 0.49%  | 0.042% |
| 36 | 15.788 | 2221 | 2230 | 2236 | rBV  | 48196   | 71943   | 3.94%  | 0.342% |
| 37 | 16.153 | 2288 | 2292 | 2298 | rVV4 | 6144    | 9933    | 0.54%  | 0.047% |
| 38 | 16.993 | 2432 | 2435 | 2439 | rVB3 | 5823    | 8076    | 0.44%  | 0.038% |
| 39 | 17.175 | 2459 | 2466 | 2471 | rBV2 | 1003026 | 1430159 | 78.40% | 6.791% |
| 40 | 17.216 | 2471 | 2473 | 2477 | rVV  | 90460   | 109691  | 6.01%  | 0.521% |
| 41 | 17.275 | 2477 | 2483 | 2493 | rVV  | 670918  | 955096  | 52.36% | 4.535% |
| 42 | 17.363 | 2495 | 2498 | 2504 | rVV6 | 4317    | 8890    | 0.49%  | 0.042% |
| 43 | 18.068 | 2609 | 2618 | 2621 | rBV2 | 35230   | 72281   | 3.96%  | 0.343% |
| 44 | 18.097 | 2621 | 2623 | 2628 | rVV2 | 27700   | 36456   | 2.00%  | 0.173% |
| 45 | 18.138 | 2628 | 2630 | 2633 | rVV2 | 5152    | 6992    | 0.38%  | 0.033% |
| 46 | 18.179 | 2633 | 2637 | 2641 | rVV  | 10466   | 16258   | 0.89%  | 0.077% |
| 47 | 18.244 | 2643 | 2648 | 2652 | rVV2 | 45208   | 74143   | 4.06%  | 0.352% |
| 48 | 18.279 | 2652 | 2654 | 2660 | rVB2 | 13983   | 15761   | 0.86%  | 0.075% |
| 49 | 18.367 | 2664 | 2669 | 2672 | rBV5 | 6179    | 8311    | 0.46%  | 0.039% |
| 50 | 18.549 | 2696 | 2700 | 2703 | rVV2 | 14414   | 18841   | 1.03%  | 0.089% |
| 51 | 18.585 | 2703 | 2706 | 2710 | rVV3 | 7990    | 11806   | 0.65%  | 0.056% |
| 52 | 18.796 | 2739 | 2742 | 2745 | rBV3 | 5613    | 6912    | 0.38%  | 0.033% |
| 53 | 18.849 | 2745 | 2751 | 2753 | rBV2 | 7394    | 10694   | 0.59%  | 0.051% |
| 54 | 18.884 | 2753 | 2757 | 2760 | rVB5 | 7019    | 9782    | 0.54%  | 0.046% |
| 55 | 18.966 | 2767 | 2771 | 2775 | rBV  | 17941   | 28555   | 1.57%  | 0.136% |
| 56 | 19.031 | 2778 | 2782 | 2785 | rVV6 | 7560    | 12781   | 0.70%  | 0.061% |
| 57 | 19.101 | 2790 | 2794 | 2797 | rBV4 | 14180   | 19441   | 1.07%  | 0.092% |
| 58 | 19.231 | 2806 | 2816 | 2821 | rBV  | 397314  | 521368  | 28.58% | 2.476% |
| 59 | 19.348 | 2829 | 2836 | 2840 | rBV6 | 16298   | 31673   | 1.74%  | 0.150% |
| 60 | 19.448 | 2846 | 2853 | 2854 | rBV6 | 8203    | 12870   | 0.71%  | 0.061% |
| 61 | 19.472 | 2855 | 2857 | 2861 | rVV2 | 15321   | 16884   | 0.93%  | 0.080% |
| 62 | 19.566 | 2867 | 2873 | 2876 | rBV  | 761535  | 1134324 | 62.18% | 5.387% |
| 63 | 19.589 | 2876 | 2877 | 2886 | rVV  | 347673  | 380960  | 20.88% | 1.809% |
| 64 | 19.665 | 2886 | 2890 | 2895 | rVB4 | 16506   | 28345   | 1.55%  | 0.135% |
| 65 | 19.771 | 2904 | 2908 | 2913 | rVB  | 18356   | 25818   | 1.42%  | 0.123% |
| 66 | 19.836 | 2914 | 2919 | 2925 | rVB3 | 9267    | 16851   | 0.92%  | 0.080% |
| 67 | 19.918 | 2927 | 2933 | 2939 | rBV4 | 22073   | 50282   | 2.76%  | 0.239% |
| 68 | 20.059 | 2951 | 2957 | 2958 | rBV5 | 17104   | 28565   | 1.57%  | 0.136% |
| 69 | 20.083 | 2958 | 2961 | 2969 | rVB  | 59016   | 89615   | 4.91%  | 0.426% |
| 70 | 20.182 | 2974 | 2978 | 2983 | rVV  | 44193   | 59763   | 3.28%  | 0.284% |
| 71 | 20.241 | 2983 | 2988 | 2993 | rVV2 | 32806   | 57248   | 3.14%  | 0.272% |

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Max Peaks: 100  
Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |       |         |         |         |        |
|-----|--------|------|------|------|-------|---------|---------|---------|--------|
| 72  | 20.282 | 2993 | 2995 | 2998 | rVB4  | 12839   | 15102   | 0.83%   | 0.072% |
| 73  | 20.382 | 3008 | 3012 | 3016 | rBV2  | 22800   | 31100   | 1.70%   | 0.148% |
| 74  | 20.429 | 3016 | 3020 | 3024 | rVV3  | 22342   | 26147   | 1.43%   | 0.124% |
| 75  | 20.605 | 3048 | 3050 | 3053 | rVB   | 11151   | 9667    | 0.53%   | 0.046% |
| 76  | 20.787 | 3078 | 3081 | 3084 | rVV5  | 9628    | 14560   | 0.80%   | 0.069% |
| 77  | 20.829 | 3086 | 3088 | 3096 | rVB3  | 18590   | 29593   | 1.62%   | 0.141% |
| 78  | 20.975 | 3110 | 3113 | 3114 | rBV3  | 11860   | 12453   | 0.68%   | 0.059% |
| 79  | 20.999 | 3114 | 3117 | 3120 | rVB   | 28590   | 32569   | 1.79%   | 0.155% |
| 80  | 21.058 | 3120 | 3127 | 3135 | rBV6  | 234234  | 373601  | 20.48%  | 1.774% |
| 81  | 21.263 | 3160 | 3162 | 3165 | rVB4  | 11159   | 9894    | 0.54%   | 0.047% |
| 82  | 21.346 | 3169 | 3176 | 3180 | rVV2  | 1235087 | 1824141 | 100.00% | 8.662% |
| 83  | 21.381 | 3180 | 3182 | 3190 | rVB   | 172369  | 225988  | 12.39%  | 1.073% |
| 84  | 21.463 | 3193 | 3196 | 3199 | rVB4  | 27478   | 31088   | 1.70%   | 0.148% |
| 85  | 21.498 | 3199 | 3202 | 3208 | rBV2  | 60749   | 76905   | 4.22%   | 0.365% |
| 86  | 21.657 | 3225 | 3229 | 3235 | rBV4  | 22506   | 46593   | 2.55%   | 0.221% |
| 87  | 21.904 | 3268 | 3271 | 3274 | rVB2  | 21628   | 28069   | 1.54%   | 0.133% |
| 88  | 21.951 | 3275 | 3279 | 3284 | rBV4  | 26002   | 47259   | 2.59%   | 0.224% |
| 89  | 22.421 | 3356 | 3359 | 3369 | rVB6  | 36735   | 70073   | 3.84%   | 0.333% |
| 90  | 22.949 | 3444 | 3449 | 3455 | rBV   | 163093  | 383321  | 21.01%  | 1.820% |
| 91  | 23.131 | 3476 | 3480 | 3487 | rVB   | 32613   | 57189   | 3.14%   | 0.272% |
| 92  | 23.449 | 3529 | 3534 | 3537 | rBV2  | 80376   | 146394  | 8.03%   | 0.695% |
| 93  | 23.501 | 3537 | 3543 | 3548 | rVV2  | 436812  | 886339  | 48.59%  | 4.209% |
| 94  | 23.548 | 3548 | 3551 | 3560 | rVB   | 163063  | 286851  | 15.73%  | 1.362% |
| 95  | 23.648 | 3561 | 3568 | 3575 | rBV2  | 728101  | 1448102 | 79.39%  | 6.877% |
| 96  | 24.212 | 3661 | 3664 | 3670 | rVB5  | 29787   | 51428   | 2.82%   | 0.244% |
| 97  | 24.306 | 3676 | 3680 | 3686 | rVB10 | 23066   | 41550   | 2.28%   | 0.197% |
| 98  | 25.070 | 3807 | 3810 | 3817 | rVB   | 42592   | 87127   | 4.78%   | 0.414% |
| 99  | 25.998 | 3962 | 3968 | 3980 | rVB   | 55829   | 156923  | 8.60%   | 0.745% |
| 100 | 26.726 | 4085 | 4092 | 4105 | rVB2  | 53870   | 167379  | 9.18%   | 0.795% |

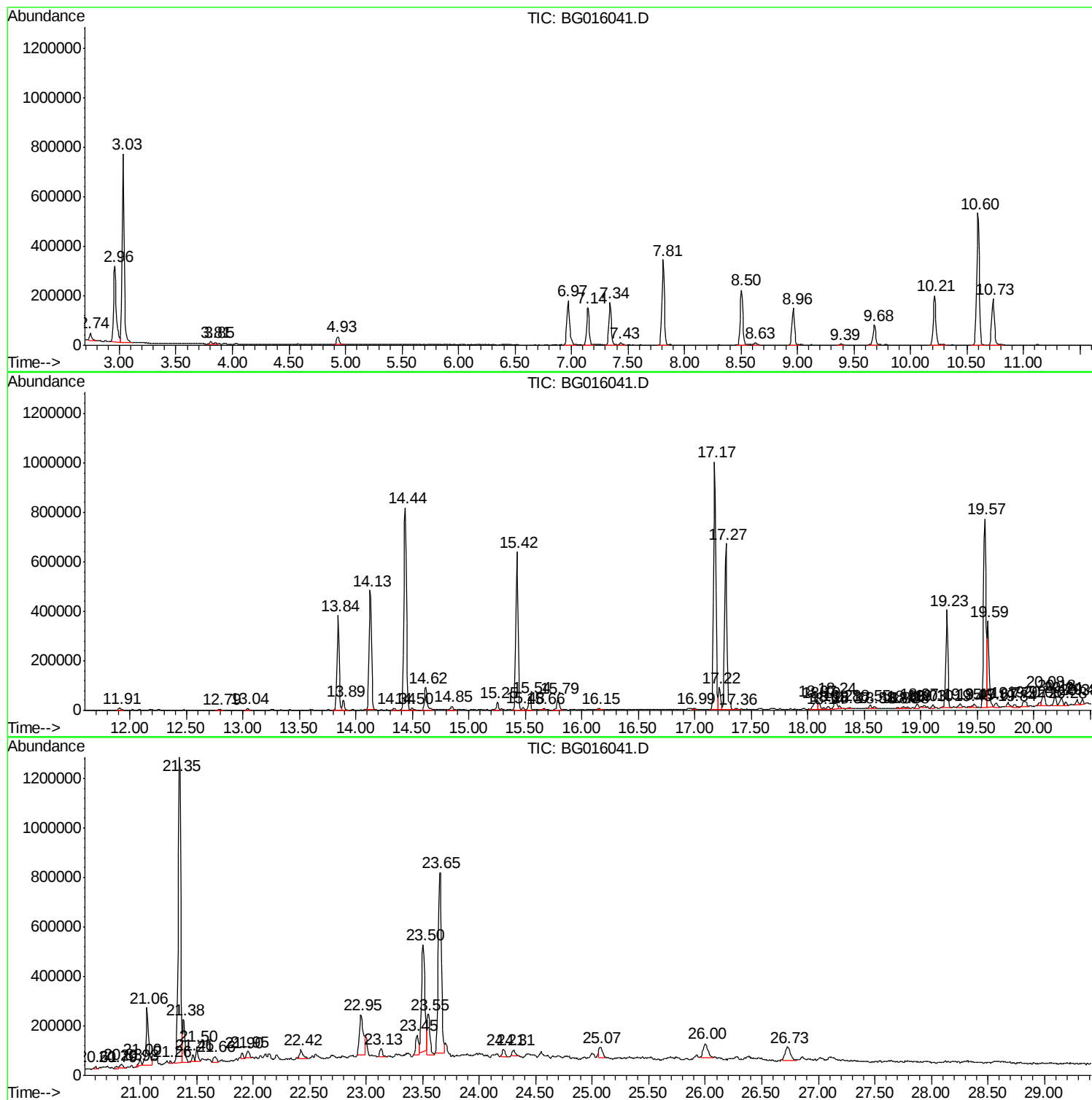
Sum of corrected areas: 21058380

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION

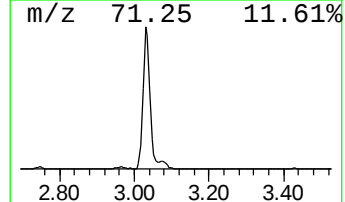
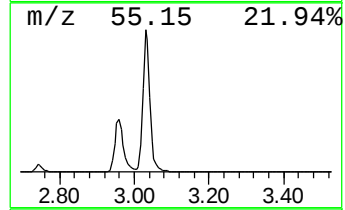
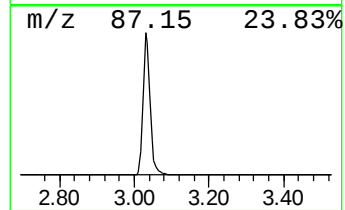
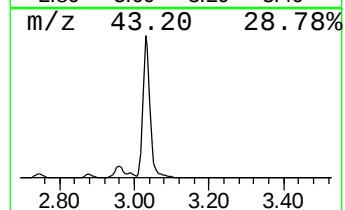
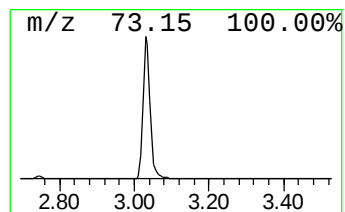
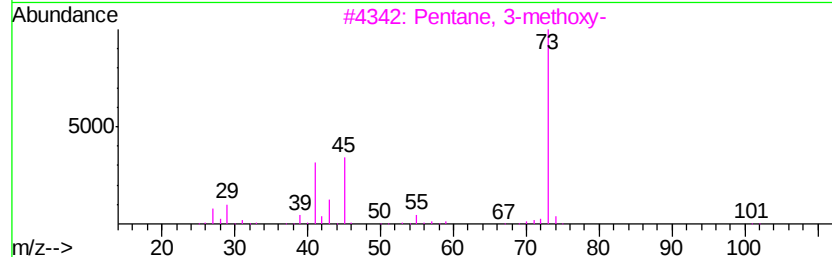
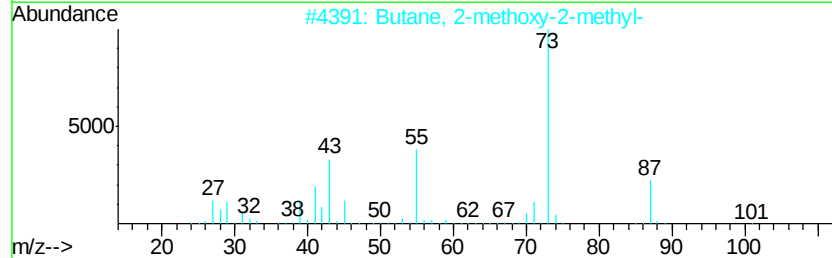
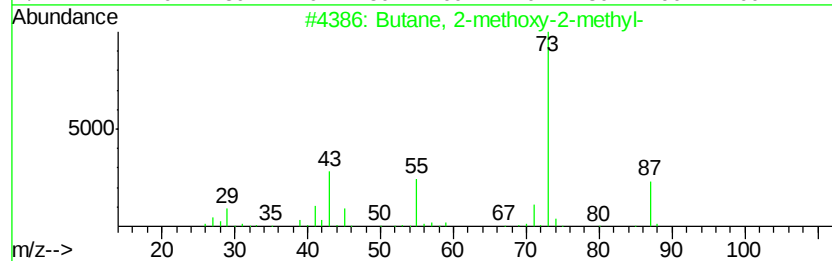
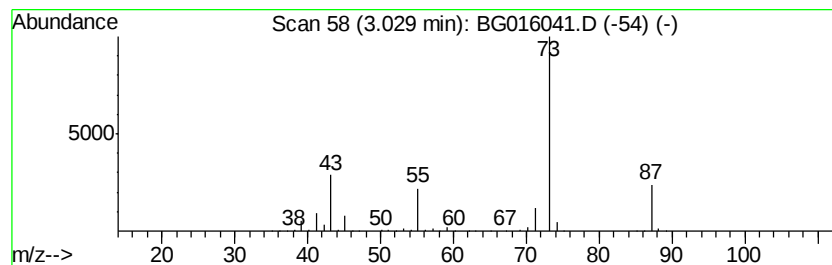
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.03 | 37.93 ng/ul | 1002260 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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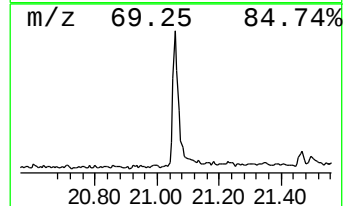
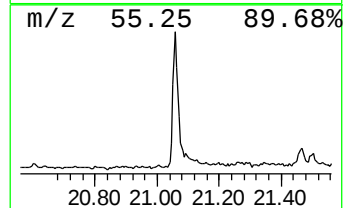
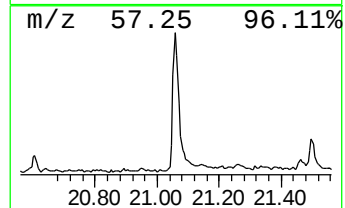
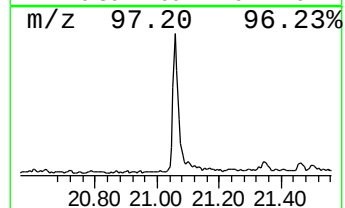
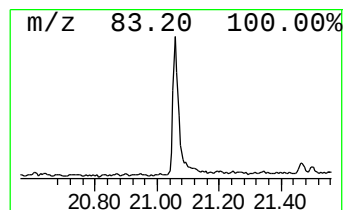
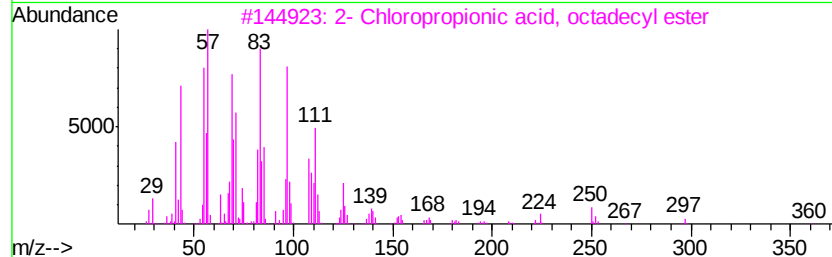
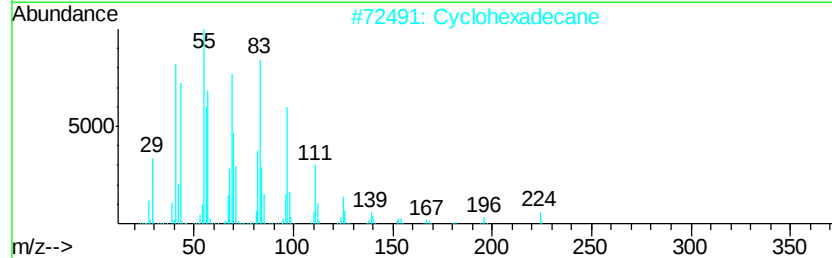
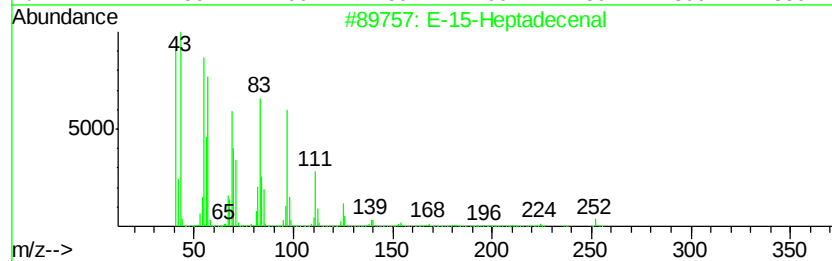
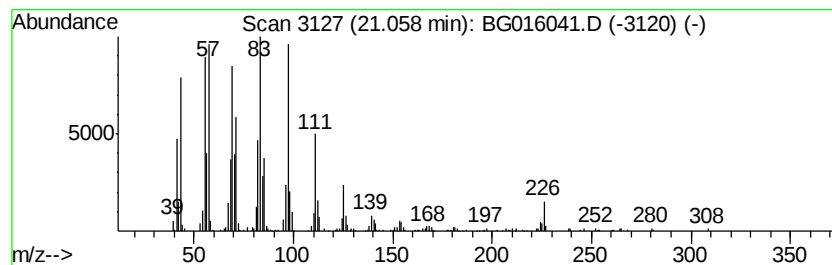
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\*\*\*\*\*  
Peak Number 3 E-15-Heptadecenal Concentration Rank 3

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 21.06   | 4.10 ng/ul                          | 373601         | Chrysene-d12     | 21.35     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | E-15-Heptadecenal                   | 252 C17H32O    | 1000130-97-9     | 95        |
| 2       | Cyclohexadecane                     | 224 C16H32     | 000295-65-8      | 95        |
| 3       | 2- Chloropropionic acid, octadec... | 360 C21H41ClO2 | 088104-31-8      | 93        |
| 4       | Cyclopentadecane                    | 210 C15H30     | 000295-48-7      | 91        |
| 5       | Trifluoroacetic acid, n-octadecy... | 366 C20H37F3O2 | 079392-43-1      | 91        |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022515\  
Data File : BG016041.D  
Acq On : 25 Feb 2015 18:08  
Operator : TP/IZ  
Sample : G1354-07  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AE2

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.03  | 37.9    | ng/ul | 1002260  | 1                     | 7.81  | 528549  | 20.0 |
| E-15-Heptadecenal    | 21.06 | 4.1     | ng/ul | 373601   | 5                     | 21.35 | 1824140 | 20.0 |