

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092115\  
 Data File : BG018780.D  
 Acq On : 21 Sep 2015 13:34  
 Operator : TP  
 Sample : G3691-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H0229

## 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\SOM02.2-EPA-BG091015.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         | 2.886       | 4             | 8           | 10           | rBV2     | 7182           | 7383          | 0.42%           | 0.048%        |
| 2         | 3.056       | 36            | 37          | 40           | rVB3     | 2241           | 1811          | 0.10%           | 0.012%        |
| 3         | 3.103       | 40            | 45          | 53           | rBV      | 65113          | 110982        | 6.25%           | 0.714%        |
| 4         | 3.179       | 53            | 58          | 75           | rVB      | 913139         | 1297060       | 73.09%          | 8.350%        |
| 5         | 3.444       | 98            | 103         | 107          | rBV5     | 2863           | 4067          | 0.23%           | 0.026%        |
| 6         | 3.879       | 175           | 177         | 181          | rVB3     | 1735           | 2165          | 0.12%           | 0.014%        |
| 7         | 4.407       | 263           | 267         | 271          | rVB4     | 1473           | 2207          | 0.12%           | 0.014%        |
| 8         | 4.789       | 329           | 332         | 335          | rVB3     | 1631           | 1868          | 0.11%           | 0.012%        |
| 9         | 4.842       | 339           | 341         | 346          | rVB3     | 1306           | 2217          | 0.12%           | 0.014%        |
| 10        | 5.101       | 381           | 385         | 386          | rBV4     | 2311           | 2818          | 0.16%           | 0.018%        |
| 11        | 5.688       | 481           | 485         | 487          | rBV4     | 1685           | 2352          | 0.13%           | 0.015%        |
| 12        | 7.169       | 731           | 737         | 744          | rBV      | 31855          | 54222         | 3.06%           | 0.349%        |
| 13        | 7.322       | 757           | 763         | 771          | rBV      | 137502         | 223907        | 12.62%          | 1.441%        |
| 14        | 7.533       | 792           | 799         | 809          | rVV      | 126774         | 218232        | 12.30%          | 1.405%        |
| 15        | 7.621       | 812           | 814         | 821          | rVB4     | 2143           | 2887          | 0.16%           | 0.019%        |
| 16        | 7.680       | 821           | 824         | 827          | rBV3     | 1535           | 1833          | 0.10%           | 0.012%        |
| 17        | 7.815       | 843           | 847         | 849          | rBV2     | 1614           | 2490          | 0.14%           | 0.016%        |
| 18        | 7.997       | 871           | 878         | 888          | rVB      | 139889         | 238886        | 13.46%          | 1.538%        |
| 19        | 8.514       | 961           | 966         | 968          | rVB2     | 1608           | 1881          | 0.11%           | 0.012%        |
| 20        | 8.708       | 991           | 999         | 1005         | rBV      | 103574         | 178256        | 10.04%          | 1.148%        |
| 21        | 9.155       | 1068          | 1075        | 1087         | rVB      | 145677         | 264328        | 14.89%          | 1.702%        |
| 22        | 9.266       | 1090          | 1094        | 1097         | rBV3     | 1167           | 1789          | 0.10%           | 0.012%        |
| 23        | 9.883       | 1192          | 1199        | 1206         | rBV      | 119030         | 215075        | 12.12%          | 1.385%        |
| 24        | 10.424      | 1284          | 1291        | 1302         | rBV      | 196018         | 348166        | 19.62%          | 2.241%        |
| 25        | 10.800      | 1347          | 1355        | 1366         | rBV      | 207028         | 366548        | 20.66%          | 2.360%        |
| 26        | 10.941      | 1372          | 1379        | 1385         | rBV2     | 11903          | 22653         | 1.28%           | 0.146%        |
| 27        | 12.069      | 1567          | 1571        | 1580         | rVB4     | 4709           | 7528          | 0.42%           | 0.048%        |
| 28        | 14.026      | 1898          | 1904        | 1915         | rBV      | 490525         | 712830        | 40.17%          | 4.589%        |
| 29        | 14.319      | 1947          | 1954        | 1962         | rBV      | 521548         | 809745        | 45.63%          | 5.213%        |
| 30        | 14.625      | 1998          | 2006        | 2014         | rBV2     | 363443         | 589813        | 33.24%          | 3.797%        |
| 31        | 14.831      | 2032          | 2041        | 2051         | rBV3     | 33755          | 71150         | 4.01%           | 0.458%        |
| 32        | 14.895      | 2051          | 2052        | 2058         | rVB3     | 2465           | 3120          | 0.18%           | 0.020%        |
| 33        | 15.436      | 2141          | 2144        | 2147         | rVB3     | 1675           | 2259          | 0.13%           | 0.015%        |
| 34        | 15.618      | 2168          | 2175        | 2183         | rVB      | 717398         | 1102034       | 62.10%          | 7.095%        |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092115\  
 Data File : BG018780.D  
 Acq On : 21 Sep 2015 13:34  
 Operator : TP  
 Sample : G3691-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H0229

## 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\SOM02.2-EPA-BG091015.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 15.729 | 2189 | 2194 | 2205 | rBV  | 193867  | 293104  | 16.52% | 1.887%  |
| 36 | 15.859 | 2210 | 2216 | 2221 | rBV5 | 7071    | 12271   | 0.69%  | 0.079%  |
| 37 | 15.959 | 2229 | 2233 | 2235 | rBV3 | 1093    | 2000    | 0.11%  | 0.013%  |
| 38 | 16.570 | 2333 | 2337 | 2339 | rBV3 | 2675    | 3309    | 0.19%  | 0.021%  |
| 39 | 16.969 | 2403 | 2405 | 2410 | rVB2 | 1491    | 1958    | 0.11%  | 0.013%  |
| 40 | 17.157 | 2435 | 2437 | 2440 | rBV4 | 2974    | 3111    | 0.18%  | 0.020%  |
| 41 | 17.369 | 2466 | 2473 | 2480 | rBV  | 603569  | 897584  | 50.58% | 5.778%  |
| 42 | 17.469 | 2483 | 2490 | 2499 | rVV  | 913686  | 1364081 | 76.87% | 8.782%  |
| 43 | 17.533 | 2499 | 2501 | 2504 | rVB3 | 2042    | 2107    | 0.12%  | 0.014%  |
| 44 | 17.739 | 2532 | 2536 | 2540 | rBV4 | 2783    | 3781    | 0.21%  | 0.024%  |
| 45 | 17.886 | 2557 | 2561 | 2563 | rBV4 | 3661    | 4247    | 0.24%  | 0.027%  |
| 46 | 18.250 | 2618 | 2623 | 2627 | rBV5 | 5339    | 10250   | 0.58%  | 0.066%  |
| 47 | 18.321 | 2632 | 2635 | 2636 | rBV2 | 2601    | 1798    | 0.10%  | 0.012%  |
| 48 | 18.650 | 2688 | 2691 | 2694 | rBV4 | 2063    | 2590    | 0.15%  | 0.017%  |
| 49 | 18.720 | 2700 | 2703 | 2705 | rBV4 | 2381    | 2817    | 0.16%  | 0.018%  |
| 50 | 18.890 | 2724 | 2732 | 2733 | rBV6 | 3615    | 5723    | 0.32%  | 0.037%  |
| 51 | 18.914 | 2733 | 2736 | 2739 | rVB4 | 2418    | 2250    | 0.13%  | 0.014%  |
| 52 | 18.979 | 2744 | 2747 | 2752 | rVB6 | 3214    | 3855    | 0.22%  | 0.025%  |
| 53 | 19.014 | 2752 | 2753 | 2756 | rBV2 | 2461    | 2306    | 0.13%  | 0.015%  |
| 54 | 19.161 | 2777 | 2778 | 2781 | rBV3 | 2710    | 2722    | 0.15%  | 0.018%  |
| 55 | 19.190 | 2781 | 2783 | 2784 | rBV2 | 2991    | 2366    | 0.13%  | 0.015%  |
| 56 | 19.208 | 2784 | 2786 | 2787 | rBV2 | 2463    | 1909    | 0.11%  | 0.012%  |
| 57 | 19.255 | 2793 | 2794 | 2800 | rBV5 | 3359    | 4194    | 0.24%  | 0.027%  |
| 58 | 19.355 | 2809 | 2811 | 2812 | rVB2 | 6204    | 2923    | 0.16%  | 0.019%  |
| 59 | 19.372 | 2812 | 2814 | 2816 | rBV2 | 2896    | 3824    | 0.22%  | 0.025%  |
| 60 | 19.407 | 2818 | 2820 | 2822 | rVV3 | 2934    | 2749    | 0.15%  | 0.018%  |
| 61 | 19.454 | 2826 | 2828 | 2831 | rVB4 | 2984    | 2542    | 0.14%  | 0.016%  |
| 62 | 19.484 | 2831 | 2833 | 2835 | rVB2 | 3583    | 2733    | 0.15%  | 0.018%  |
| 63 | 19.507 | 2835 | 2837 | 2838 | rBV2 | 3509    | 3017    | 0.17%  | 0.019%  |
| 64 | 19.596 | 2850 | 2852 | 2853 | rBV2 | 2700    | 2299    | 0.13%  | 0.015%  |
| 65 | 19.643 | 2855 | 2860 | 2864 | rVB2 | 14884   | 20981   | 1.18%  | 0.135%  |
| 66 | 19.684 | 2864 | 2867 | 2869 | rBV4 | 2651    | 3472    | 0.20%  | 0.022%  |
| 67 | 19.754 | 2872 | 2879 | 2886 | rBV  | 1251884 | 1753944 | 98.84% | 11.291% |
| 68 | 19.913 | 2904 | 2906 | 2908 | rVB3 | 2861    | 2330    | 0.13%  | 0.015%  |
| 69 | 19.930 | 2908 | 2909 | 2911 | rBV2 | 4576    | 3501    | 0.20%  | 0.023%  |
| 70 | 20.118 | 2940 | 2941 | 2943 | rVB2 | 5378    | 3389    | 0.19%  | 0.022%  |
| 71 | 20.142 | 2943 | 2945 | 2948 | rBV4 | 5183    | 7397    | 0.42%  | 0.048%  |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092115\  
Data File : BG018780.D  
Acq On : 21 Sep 2015 13:34  
Operator : TP  
Sample : G3691-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0229

## 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\SOM02.2-EPA-BG091015.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 72 | 20.207 | 2955 | 2956 | 2958 | rBV2 | 5204   | 4432    | 0.25%   | 0.029%  |
| 73 | 20.224 | 2958 | 2959 | 2962 | rVB3 | 4688   | 3250    | 0.18%   | 0.021%  |
| 74 | 20.377 | 2983 | 2985 | 2986 | rBV  | 4675   | 4065    | 0.23%   | 0.026%  |
| 75 | 20.412 | 2990 | 2991 | 2992 | rBV  | 5293   | 2364    | 0.13%   | 0.015%  |
| 76 | 21.352 | 3146 | 3151 | 3159 | rVB  | 48796  | 83353   | 4.70%   | 0.537%  |
| 77 | 21.628 | 3191 | 3198 | 3207 | rBV  | 708497 | 1159778 | 65.35%  | 7.466%  |
| 78 | 24.384 | 3665 | 3667 | 3670 | rVB4 | 6320   | 5388    | 0.30%   | 0.035%  |
| 79 | 24.596 | 3692 | 3703 | 3718 | rBV  | 645808 | 1774613 | 100.00% | 11.424% |
| 80 | 24.813 | 3730 | 3740 | 3753 | rBV2 | 410838 | 1159324 | 65.33%  | 7.463%  |
| 81 | 29.020 | 4454 | 4456 | 4457 | rBV2 | 6964   | 4279    | 0.24%   | 0.028%  |
| 82 | 29.355 | 4511 | 4513 | 4515 | rBV3 | 5747   | 4636    | 0.26%   | 0.030%  |
| 83 | 31.405 | 4860 | 4862 | 4866 | rBV5 | 6098   | 8091    | 0.46%   | 0.052%  |

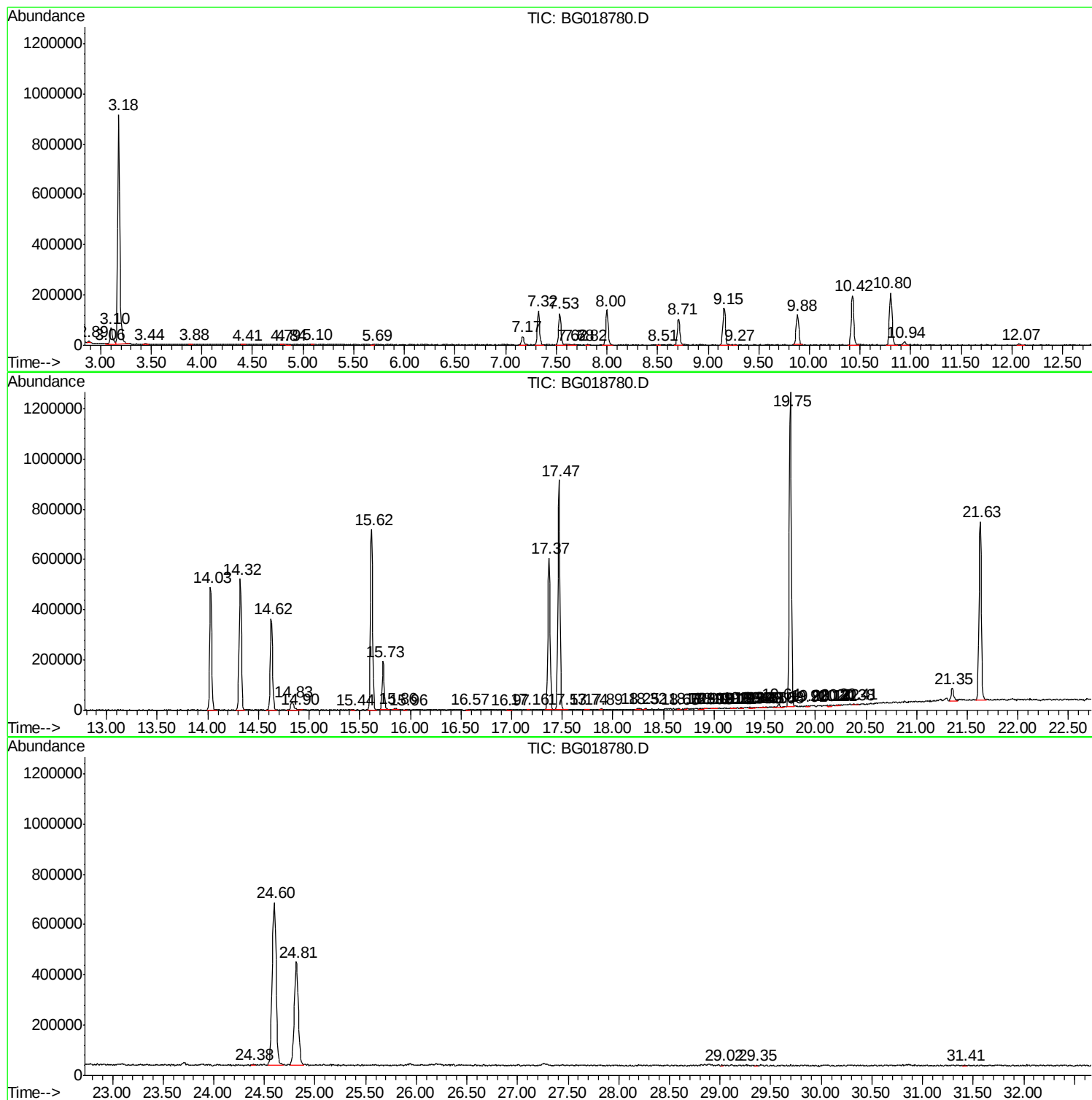
Sum of corrected areas: 15533569

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092115\  
Data File : BG018780.D  
Acq On : 21 Sep 2015 13:34  
Operator : TP  
Sample : G3691-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0229

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG092115\  
Data File : BG018780.D  
Acq On : 21 Sep 2015 13:34  
Operator : TP  
Sample : G3691-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0229

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

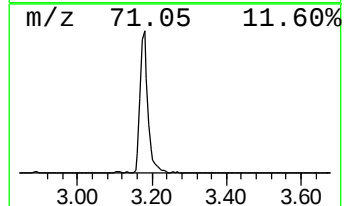
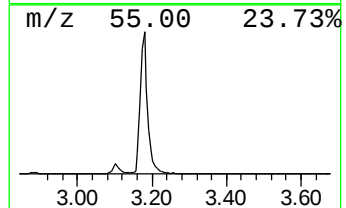
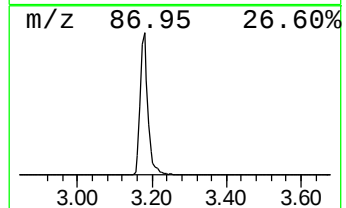
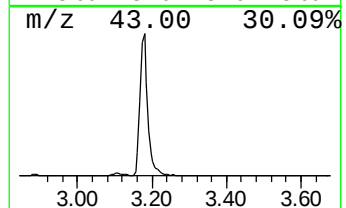
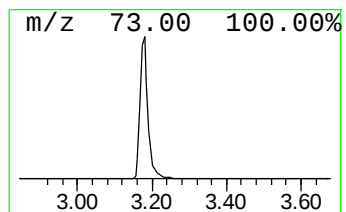
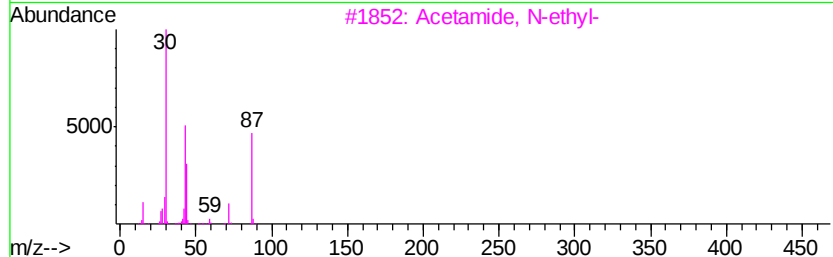
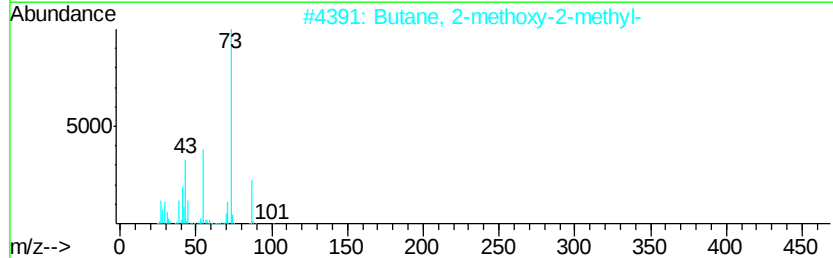
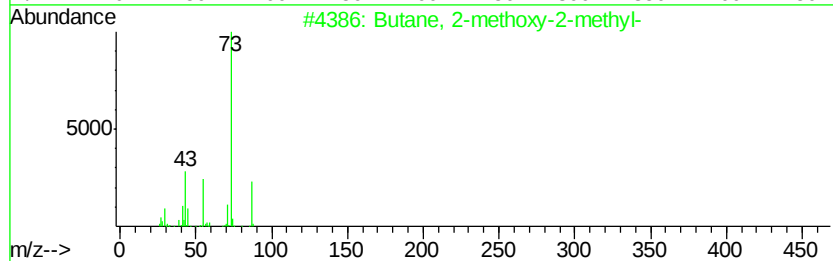
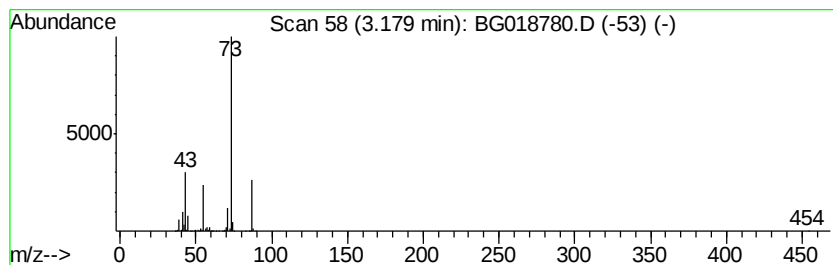
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 3.18 | 108.59 ng/ul | 1297060 | 1,4-Dichlorobenzene-d4 | 8.00 |

| 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 | 78   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG092115\  
Data File : BG018780.D  
Acq On : 21 Sep 2015 13:34  
Operator : TP  
Sample : G3691-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0229

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.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... | 3.18 | 108.6   | ng/ul | 1297060  | 1                     | 8.00 | 238886 | 20.0 |