

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG092415\  
 Data File : BG018875.D  
 Acq On : 24 Sep 2015 19:28  
 Operator : TP  
 Sample : G3780-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0GG0

## 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         | 2.885       | 5             | 8           | 13           | rVB3     | 11438          | 14884         | 0.86%           | 0.094%        |
| 2         | 2.956       | 18            | 20          | 25           | rVB5     | 1626           | 2355          | 0.14%           | 0.015%        |
| 3         | 3.102       | 40            | 45          | 52           | rBV      | 62535          | 110721        | 6.43%           | 0.701%        |
| 4         | 3.179       | 52            | 58          | 75           | rVB      | 1010303        | 1498075       | 86.94%          | 9.482%        |
| 5         | 3.437       | 99            | 102         | 106          | rVV4     | 3733           | 4325          | 0.25%           | 0.027%        |
| 6         | 3.578       | 121           | 126         | 130          | rVB2     | 1161           | 2086          | 0.12%           | 0.013%        |
| 7         | 4.084       | 208           | 212         | 217          | rVV4     | 2018           | 3158          | 0.18%           | 0.020%        |
| 8         | 5.699       | 483           | 487         | 495          | rBV6     | 1850           | 2651          | 0.15%           | 0.017%        |
| 9         | 7.162       | 728           | 736         | 743          | rBV3     | 39263          | 68128         | 3.95%           | 0.431%        |
| 10        | 7.321       | 756           | 763         | 771          | rBV      | 159080         | 256432        | 14.88%          | 1.623%        |
| 11        | 7.533       | 791           | 799         | 807          | rBV      | 144634         | 249080        | 14.45%          | 1.576%        |
| 12        | 7.997       | 872           | 878         | 887          | rBV      | 156287         | 262915        | 15.26%          | 1.664%        |
| 13        | 8.702       | 990           | 998         | 1008         | rBV2     | 120610         | 211595        | 12.28%          | 1.339%        |
| 14        | 9.154       | 1068          | 1075        | 1085         | rVV      | 171601         | 298787        | 17.34%          | 1.891%        |
| 15        | 9.883       | 1191          | 1199        | 1206         | rBV      | 136562         | 249633        | 14.49%          | 1.580%        |
| 16        | 9.994       | 1215          | 1218        | 1222         | rVB4     | 1294           | 1887          | 0.11%           | 0.012%        |
| 17        | 10.423      | 1283          | 1291        | 1305         | rBV      | 217829         | 388753        | 22.56%          | 2.460%        |
| 18        | 10.799      | 1348          | 1355        | 1363         | rBV      | 216798         | 391962        | 22.75%          | 2.481%        |
| 19        | 10.934      | 1371          | 1378        | 1384         | rBV3     | 26354          | 48912         | 2.84%           | 0.310%        |
| 20        | 12.985      | 1723          | 1727        | 1729         | rBV3     | 1650           | 2098          | 0.12%           | 0.013%        |
| 21        | 13.232      | 1765          | 1769        | 1772         | rVB3     | 1741           | 2060          | 0.12%           | 0.013%        |
| 22        | 14.025      | 1898          | 1904        | 1914         | rVV      | 516033         | 740675        | 42.98%          | 4.688%        |
| 23        | 14.319      | 1947          | 1954        | 1965         | rVV      | 567078         | 871518        | 50.58%          | 5.516%        |
| 24        | 14.624      | 2000          | 2006        | 2015         | rBV2     | 373110         | 600177        | 34.83%          | 3.799%        |
| 25        | 14.830      | 2035          | 2041        | 2049         | rBV3     | 29947          | 61593         | 3.57%           | 0.390%        |
| 26        | 15.435      | 2142          | 2144        | 2147         | rVB3     | 2248           | 2431          | 0.14%           | 0.015%        |
| 27        | 15.617      | 2168          | 2175        | 2182         | rBV      | 766398         | 1156857       | 67.14%          | 7.322%        |
| 28        | 15.735      | 2188          | 2195        | 2207         | rBV      | 147477         | 243765        | 14.15%          | 1.543%        |
| 29        | 15.858      | 2211          | 2216        | 2219         | rVB2     | 6949           | 10054         | 0.58%           | 0.064%        |
| 30        | 16.393      | 2303          | 2307        | 2310         | rBV3     | 1434           | 2242          | 0.13%           | 0.014%        |
| 31        | 16.504      | 2322          | 2326        | 2330         | rVB5     | 3655           | 4545          | 0.26%           | 0.029%        |
| 32        | 17.157      | 2433          | 2437        | 2442         | rBV5     | 2144           | 3912          | 0.23%           | 0.025%        |
| 33        | 17.368      | 2466          | 2473        | 2482         | rBV2     | 552260         | 809642        | 46.99%          | 5.124%        |
| 34        | 17.468      | 2484          | 2490        | 2498         | rVB2     | 913794         | 1378658       | 80.01%          | 8.726%        |

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

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 18.214 | 2614 | 2617 | 2618 | rBV2 | 1677    | 2061    | 0.12%   | 0.013%  |
| 36 | 18.326 | 2632 | 2636 | 2639 | rVB2 | 2615    | 3302    | 0.19%   | 0.021%  |
| 37 | 18.490 | 2660 | 2664 | 2667 | rVB4 | 2482    | 2828    | 0.16%   | 0.018%  |
| 38 | 18.561 | 2675 | 2676 | 2681 | rVB4 | 1675    | 2385    | 0.14%   | 0.015%  |
| 39 | 18.919 | 2731 | 2737 | 2739 | rBV2 | 1296    | 2075    | 0.12%   | 0.013%  |
| 40 | 19.319 | 2802 | 2805 | 2808 | rBV4 | 2965    | 3261    | 0.19%   | 0.021%  |
| 41 | 19.642 | 2853 | 2860 | 2864 | rBV2 | 10403   | 16642   | 0.97%   | 0.105%  |
| 42 | 19.754 | 2871 | 2879 | 2888 | rBV  | 1186293 | 1723146 | 100.00% | 10.906% |
| 43 | 19.812 | 2888 | 2889 | 2892 | rVB3 | 3543    | 2709    | 0.16%   | 0.017%  |
| 44 | 20.124 | 2940 | 2942 | 2945 | rBV3 | 1947    | 2525    | 0.15%   | 0.016%  |
| 45 | 20.165 | 2947 | 2949 | 2951 | rBV3 | 1965    | 1992    | 0.12%   | 0.013%  |
| 46 | 20.206 | 2954 | 2956 | 2958 | rBV3 | 1848    | 2272    | 0.13%   | 0.014%  |
| 47 | 20.329 | 2976 | 2977 | 2980 | rBV3 | 2355    | 2317    | 0.13%   | 0.015%  |
| 48 | 20.447 | 2995 | 2997 | 2998 | rVB2 | 3707    | 1992    | 0.12%   | 0.013%  |
| 49 | 20.459 | 2998 | 2999 | 3002 | rBV3 | 3452    | 3503    | 0.20%   | 0.022%  |
| 50 | 20.553 | 3012 | 3015 | 3017 | rBV5 | 2236    | 2379    | 0.14%   | 0.015%  |
| 51 | 20.605 | 3022 | 3024 | 3025 | rBV2 | 2435    | 2534    | 0.15%   | 0.016%  |
| 52 | 20.658 | 3029 | 3033 | 3035 | rBV4 | 2748    | 4242    | 0.25%   | 0.027%  |
| 53 | 20.723 | 3041 | 3044 | 3048 | rBV5 | 2948    | 4720    | 0.27%   | 0.030%  |
| 54 | 20.770 | 3050 | 3052 | 3056 | rVB6 | 2775    | 3108    | 0.18%   | 0.020%  |
| 55 | 20.887 | 3069 | 3072 | 3074 | rBV4 | 3370    | 3149    | 0.18%   | 0.020%  |
| 56 | 21.111 | 3108 | 3110 | 3111 | rBV2 | 3878    | 2150    | 0.12%   | 0.014%  |
| 57 | 21.269 | 3135 | 3137 | 3140 | rBV3 | 3583    | 4130    | 0.24%   | 0.026%  |
| 58 | 21.346 | 3148 | 3150 | 3151 | rBV2 | 4997    | 3106    | 0.18%   | 0.020%  |
| 59 | 21.499 | 3172 | 3176 | 3180 | rBV7 | 6217    | 10309   | 0.60%   | 0.065%  |
| 60 | 21.569 | 3186 | 3188 | 3190 | rBV3 | 2754    | 2357    | 0.14%   | 0.015%  |
| 61 | 21.628 | 3191 | 3198 | 3207 | rVV  | 674952  | 1080151 | 62.68%  | 6.836%  |
| 62 | 22.186 | 3291 | 3293 | 3296 | rVB3 | 4261    | 4253    | 0.25%   | 0.027%  |
| 63 | 22.227 | 3298 | 3300 | 3303 | rBV4 | 3076    | 2879    | 0.17%   | 0.018%  |
| 64 | 22.256 | 3303 | 3305 | 3307 | rBV3 | 3869    | 4140    | 0.24%   | 0.026%  |
| 65 | 22.309 | 3312 | 3314 | 3315 | rVB2 | 3882    | 2154    | 0.13%   | 0.014%  |
| 66 | 22.703 | 3379 | 3381 | 3384 | rVB4 | 5055    | 3299    | 0.19%   | 0.021%  |
| 67 | 23.097 | 3443 | 3448 | 3449 | rBV5 | 13164   | 16200   | 0.94%   | 0.103%  |
| 68 | 23.155 | 3456 | 3458 | 3459 | rBV2 | 3995    | 3391    | 0.20%   | 0.021%  |
| 69 | 23.432 | 3504 | 3505 | 3508 | rBV2 | 4011    | 3187    | 0.18%   | 0.020%  |
| 70 | 23.849 | 3574 | 3576 | 3577 | rBV2 | 4849    | 2871    | 0.17%   | 0.018%  |
| 71 | 23.937 | 3589 | 3591 | 3592 | rVB2 | 4955    | 2693    | 0.16%   | 0.017%  |

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

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 23.954 | 3592 | 3594 | 3595 | rBV2 | 3463   | 2697    | 0.16%  | 0.017%  |
| 73  | 24.284 | 3649 | 3650 | 3652 | rBV2 | 4122   | 3816    | 0.22%  | 0.024%  |
| 74  | 24.366 | 3662 | 3664 | 3666 | rBV3 | 3745   | 3432    | 0.20%  | 0.022%  |
| 75  | 24.595 | 3692 | 3703 | 3718 | rBV  | 624338 | 1704043 | 98.89% | 10.785% |
| 76  | 24.812 | 3730 | 3740 | 3752 | rBV2 | 382783 | 1091620 | 63.35% | 6.909%  |
| 77  | 25.218 | 3807 | 3809 | 3811 | rBV3 | 4491   | 4119    | 0.24%  | 0.026%  |
| 78  | 25.758 | 3899 | 3901 | 3903 | rBV3 | 3648   | 4077    | 0.24%  | 0.026%  |
| 79  | 25.899 | 3923 | 3925 | 3926 | rBV2 | 4707   | 2295    | 0.13%  | 0.015%  |
| 80  | 25.929 | 3926 | 3930 | 3937 | rVB2 | 8187   | 15340   | 0.89%  | 0.097%  |
| 81  | 26.064 | 3951 | 3953 | 3954 | rVB2 | 4481   | 2637    | 0.15%  | 0.017%  |
| 82  | 26.316 | 3994 | 3996 | 3997 | rBV2 | 3901   | 2283    | 0.13%  | 0.014%  |
| 83  | 26.481 | 4022 | 4024 | 4026 | rBV3 | 3155   | 2220    | 0.13%  | 0.014%  |
| 84  | 26.534 | 4031 | 4033 | 4036 | rVB4 | 4410   | 4093    | 0.24%  | 0.026%  |
| 85  | 27.110 | 4128 | 4131 | 4135 | rBV5 | 5793   | 7871    | 0.46%  | 0.050%  |
| 86  | 27.145 | 4135 | 4137 | 4138 | rBV2 | 3630   | 2937    | 0.17%  | 0.019%  |
| 87  | 27.215 | 4147 | 4149 | 4150 | rBV2 | 3680   | 2524    | 0.15%  | 0.016%  |
| 88  | 28.296 | 4331 | 4333 | 4336 | rVB3 | 5642   | 5194    | 0.30%  | 0.033%  |
| 89  | 28.326 | 4336 | 4338 | 4339 | rBV2 | 5129   | 3508    | 0.20%  | 0.022%  |
| 90  | 28.408 | 4349 | 4352 | 4355 | rBV5 | 3739   | 3474    | 0.20%  | 0.022%  |
| 91  | 28.731 | 4405 | 4407 | 4410 | rVB4 | 5389   | 3381    | 0.20%  | 0.021%  |
| 92  | 29.195 | 4485 | 4486 | 4488 | rBV2 | 3808   | 3365    | 0.20%  | 0.021%  |
| 93  | 29.354 | 4512 | 4513 | 4517 | rBV4 | 3934   | 4623    | 0.27%  | 0.029%  |
| 94  | 30.512 | 4708 | 4710 | 4712 | rBV3 | 4232   | 2823    | 0.16%  | 0.018%  |
| 95  | 30.747 | 4747 | 4750 | 4751 | rBV3 | 5301   | 5464    | 0.32%  | 0.035%  |
| 96  | 30.952 | 4783 | 4785 | 4786 | rBV2 | 3267   | 3209    | 0.19%  | 0.020%  |
| 97  | 31.358 | 4852 | 4854 | 4855 | rBV2 | 3327   | 2345    | 0.14%  | 0.015%  |
| 98  | 31.692 | 4909 | 4911 | 4915 | rBV5 | 3963   | 3954    | 0.23%  | 0.025%  |
| 99  | 32.016 | 4965 | 4966 | 4968 | rBV2 | 3425   | 2529    | 0.15%  | 0.016%  |
| 100 | 32.556 | 5056 | 5058 | 5059 | rBV2 | 4541   | 2990    | 0.17%  | 0.019%  |

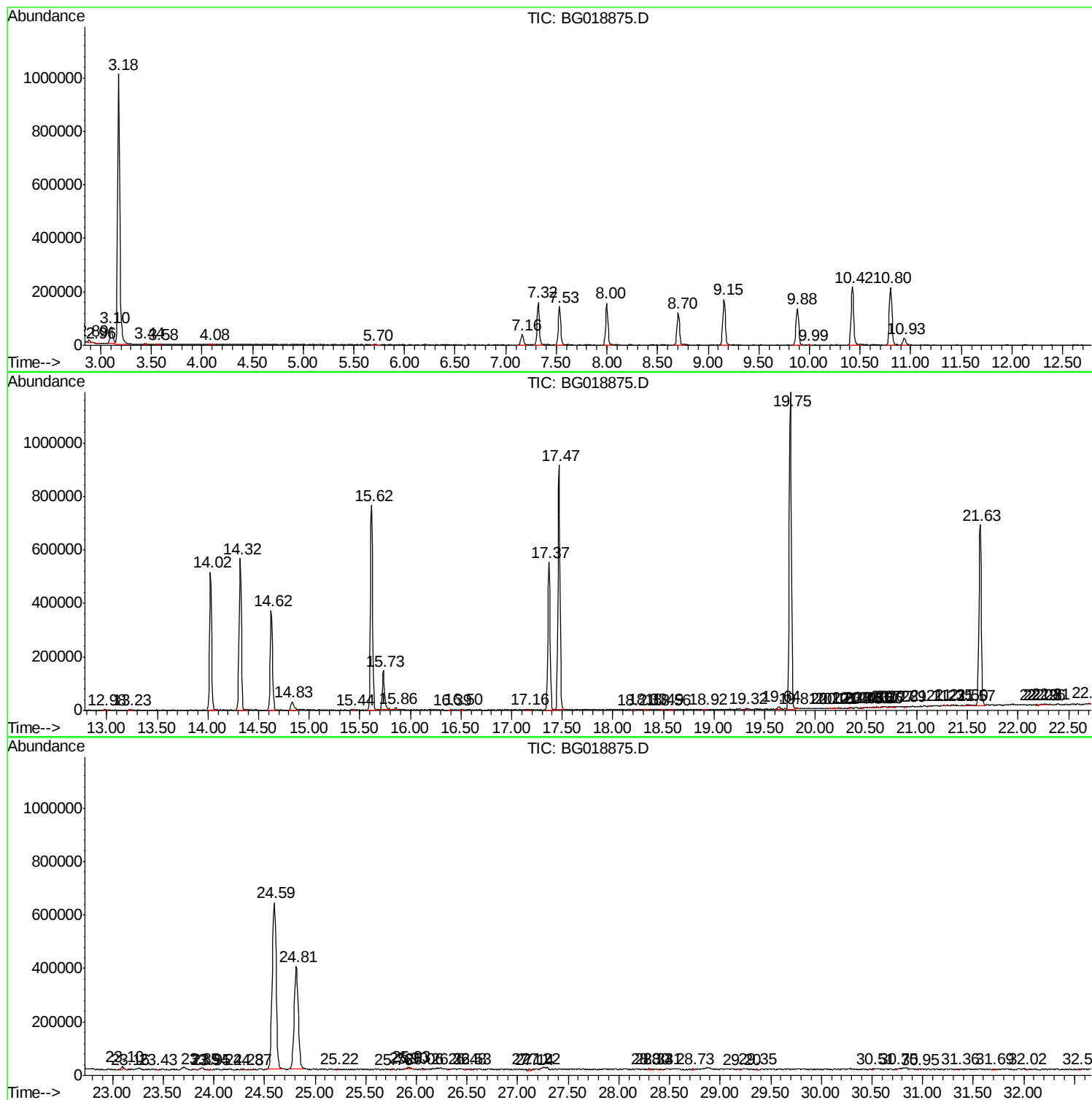
Sum of corrected areas: 15799841

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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\BG092415\  
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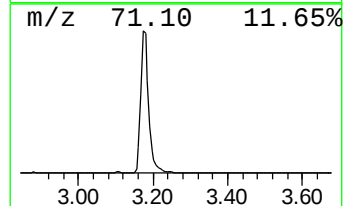
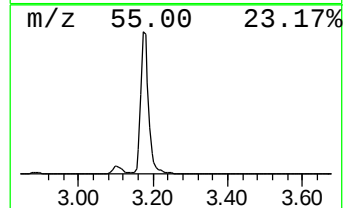
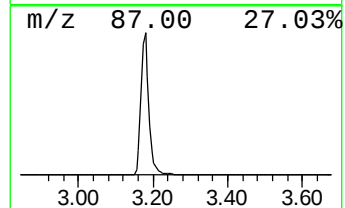
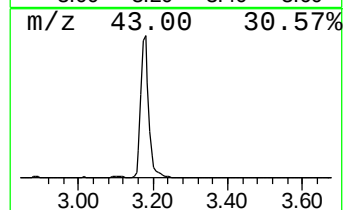
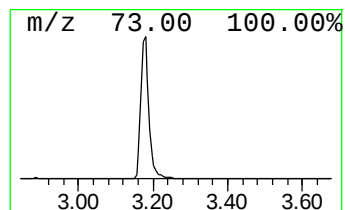
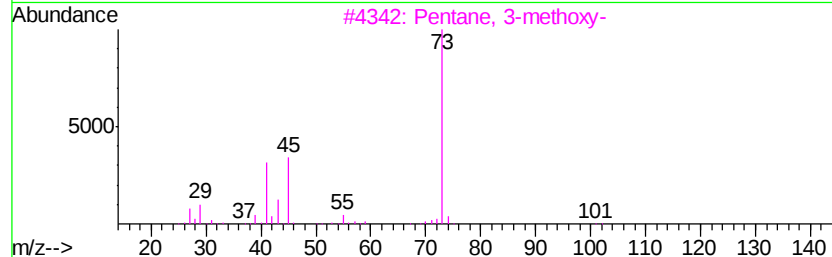
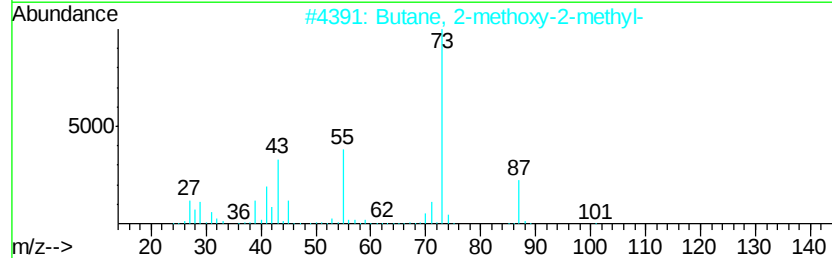
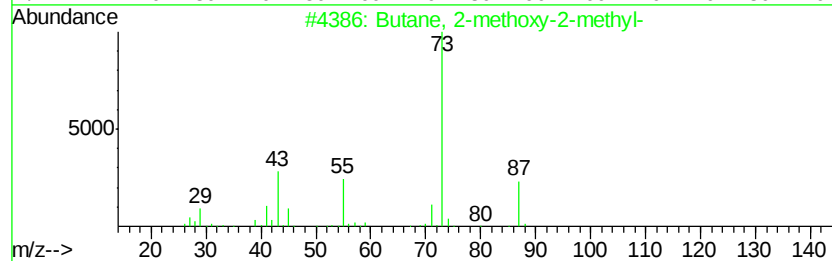
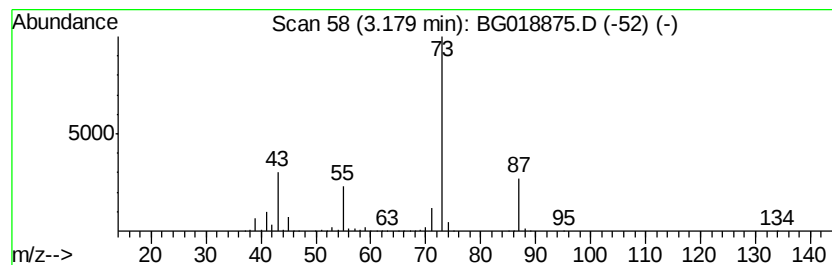
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 3.18 | 113.96 ng/ul | 1498080 | 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 | 90   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.18 | 114.0   | ng/ul | 1498080  | 1                     | 8.00 | 262915 | 20.0 |