

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\  
 Data File : BG019682.D  
 Acq On : 18 Nov 2015 5:18  
 Operator : UM/NP  
 Sample : G4427-16  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC7A2

## 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-BG111615.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         | 3.085       | 37            | 42          | 50           | rBV      | 31438          | 55790         | 6.52%           | 0.602%        |
| 2         | 3.167       | 51            | 56          | 72           | rVB      | 223247         | 318110        | 37.17%          | 3.430%        |
| 3         | 3.443       | 98            | 103         | 109          | rBV3     | 4698           | 6996          | 0.82%           | 0.075%        |
| 4         | 3.861       | 171           | 174         | 179          | rBV4     | 875            | 1284          | 0.15%           | 0.014%        |
| 5         | 4.049       | 202           | 206         | 209          | rBV      | 1179           | 1734          | 0.20%           | 0.019%        |
| 6         | 4.166       | 222           | 226         | 229          | rBV      | 1331           | 1105          | 0.13%           | 0.012%        |
| 7         | 5.182       | 394           | 399         | 406          | rVB3     | 1906           | 3806          | 0.44%           | 0.041%        |
| 8         | 5.435       | 439           | 442         | 445          | rBV3     | 1506           | 1991          | 0.23%           | 0.021%        |
| 9         | 6.510       | 622           | 625         | 629          | rVB      | 1068           | 1399          | 0.16%           | 0.015%        |
| 10        | 7.045       | 712           | 716         | 720          | rBV3     | 1617           | 2368          | 0.28%           | 0.026%        |
| 11        | 7.292       | 753           | 758         | 770          | rBV      | 95582          | 167595        | 19.58%          | 1.807%        |
| 12        | 7.462       | 777           | 787         | 795          | rBV      | 70483          | 116134        | 13.57%          | 1.252%        |
| 13        | 7.674       | 817           | 823         | 834          | rVB2     | 89180          | 148286        | 17.33%          | 1.599%        |
| 14        | 8.050       | 883           | 887         | 892          | rVB2     | 2390           | 3081          | 0.36%           | 0.033%        |
| 15        | 8.150       | 896           | 904         | 911          | rBV      | 109813         | 176975        | 20.68%          | 1.908%        |
| 16        | 8.426       | 948           | 951         | 959          | rVB3     | 1708           | 2879          | 0.34%           | 0.031%        |
| 17        | 8.855       | 1017          | 1024        | 1031         | rBV      | 124722         | 210763        | 24.63%          | 2.272%        |
| 18        | 9.319       | 1095          | 1103        | 1111         | rBV      | 93341          | 159665        | 18.66%          | 1.721%        |
| 19        | 9.430       | 1118          | 1122        | 1123         | rBV      | 5043           | 4862          | 0.57%           | 0.052%        |
| 20        | 10.047      | 1220          | 1227        | 1236         | rBV2     | 82680          | 144109        | 16.84%          | 1.554%        |
| 21        | 10.594      | 1312          | 1320        | 1327         | rBV      | 126107         | 223071        | 26.07%          | 2.405%        |
| 22        | 10.723      | 1337          | 1342        | 1346         | rBV2     | 2657           | 4192          | 0.49%           | 0.045%        |
| 23        | 10.976      | 1377          | 1385        | 1393         | rBV      | 159713         | 279428        | 32.65%          | 3.013%        |
| 24        | 11.105      | 1401          | 1407        | 1415         | rBV      | 117826         | 207544        | 24.25%          | 2.238%        |
| 25        | 11.751      | 1514          | 1517        | 1519         | rBV2     | 2012           | 2035          | 0.24%           | 0.022%        |
| 26        | 11.980      | 1551          | 1556        | 1557         | rBV      | 1387           | 1758          | 0.21%           | 0.019%        |
| 27        | 12.151      | 1583          | 1585        | 1589         | rVB      | 995            | 1171          | 0.14%           | 0.013%        |
| 28        | 12.427      | 1630          | 1632        | 1638         | rBV2     | 726            | 1109          | 0.13%           | 0.012%        |
| 29        | 12.550      | 1648          | 1653        | 1659         | rBB2     | 1989           | 3118          | 0.36%           | 0.034%        |
| 30        | 13.144      | 1748          | 1754        | 1758         | rVB3     | 4959           | 7849          | 0.92%           | 0.085%        |
| 31        | 13.385      | 1788          | 1795        | 1800         | rBV2     | 7424           | 11412         | 1.33%           | 0.123%        |
| 32        | 13.438      | 1800          | 1804        | 1807         | rVB3     | 3296           | 3978          | 0.46%           | 0.043%        |
| 33        | 13.655      | 1837          | 1841        | 1845         | rBV2     | 1862           | 2903          | 0.34%           | 0.031%        |
| 34        | 13.696      | 1845          | 1848        | 1854         | rVB2     | 1671           | 2988          | 0.35%           | 0.032%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.178 | 1924 | 1930 | 1934 | rBV  | 265475 | 374905 | 43.81% | 4.042% |
| 36 | 14.225 | 1934 | 1938 | 1945 | rVB  | 316337 | 428522 | 50.07% | 4.620% |
| 37 | 14.295 | 1948 | 1950 | 1953 | rVB  | 1260   | 1084   | 0.13%  | 0.012% |
| 38 | 14.477 | 1975 | 1981 | 1989 | rVB  | 233569 | 352272 | 41.16% | 3.798% |
| 39 | 14.648 | 2007 | 2010 | 2015 | rBV3 | 4459   | 5462   | 0.64%  | 0.059% |
| 40 | 14.783 | 2026 | 2033 | 2043 | rBV2 | 292423 | 466382 | 54.50% | 5.028% |
| 41 | 14.971 | 2058 | 2065 | 2075 | rBV  | 116624 | 190280 | 22.23% | 2.052% |
| 42 | 15.141 | 2091 | 2094 | 2097 | rBV2 | 1473   | 1968   | 0.23%  | 0.021% |
| 43 | 15.171 | 2097 | 2099 | 2103 | rVB2 | 1328   | 1814   | 0.21%  | 0.020% |
| 44 | 15.265 | 2111 | 2115 | 2118 | rBV3 | 1821   | 2423   | 0.28%  | 0.026% |
| 45 | 15.335 | 2125 | 2127 | 2130 | rVB2 | 1777   | 1489   | 0.17%  | 0.016% |
| 46 | 15.553 | 2159 | 2164 | 2167 | rBV  | 5220   | 6890   | 0.81%  | 0.074% |
| 47 | 15.600 | 2168 | 2172 | 2177 | rVB2 | 9332   | 13155  | 1.54%  | 0.142% |
| 48 | 15.653 | 2177 | 2181 | 2182 | rBV2 | 1384   | 1310   | 0.15%  | 0.014% |
| 49 | 15.705 | 2187 | 2190 | 2195 | rBV2 | 1466   | 2533   | 0.30%  | 0.027% |
| 50 | 15.770 | 2195 | 2201 | 2208 | rVB  | 327289 | 479978 | 56.08% | 5.175% |
| 51 | 15.882 | 2214 | 2220 | 2227 | rBV  | 81522  | 117573 | 13.74% | 1.268% |
| 52 | 16.005 | 2234 | 2241 | 2246 | rBV5 | 5265   | 11107  | 1.30%  | 0.120% |
| 53 | 16.099 | 2255 | 2257 | 2261 | rBV  | 2262   | 2065   | 0.24%  | 0.022% |
| 54 | 16.158 | 2264 | 2267 | 2271 | rVB2 | 2235   | 2319   | 0.27%  | 0.025% |
| 55 | 16.217 | 2276 | 2277 | 2283 | rVB  | 1699   | 2373   | 0.28%  | 0.026% |
| 56 | 16.287 | 2283 | 2289 | 2292 | rBV4 | 1637   | 3154   | 0.37%  | 0.034% |
| 57 | 16.311 | 2292 | 2293 | 2296 | rVB2 | 1818   | 1241   | 0.15%  | 0.013% |
| 58 | 16.393 | 2304 | 2307 | 2310 | rVB2 | 1269   | 1387   | 0.16%  | 0.015% |
| 59 | 16.458 | 2312 | 2318 | 2320 | rBV  | 13332  | 15405  | 1.80%  | 0.166% |
| 60 | 16.587 | 2338 | 2340 | 2344 | rVB3 | 4741   | 4426   | 0.52%  | 0.048% |
| 61 | 16.646 | 2344 | 2350 | 2353 | rBV5 | 6462   | 10431  | 1.22%  | 0.112% |
| 62 | 16.704 | 2356 | 2360 | 2361 | rVB3 | 2084   | 2418   | 0.28%  | 0.026% |
| 63 | 16.751 | 2366 | 2368 | 2373 | rVB3 | 1962   | 2566   | 0.30%  | 0.028% |
| 64 | 16.798 | 2373 | 2376 | 2378 | rBV2 | 3009   | 3930   | 0.46%  | 0.042% |
| 65 | 16.851 | 2384 | 2385 | 2388 | rVB  | 2397   | 1519   | 0.18%  | 0.016% |
| 66 | 16.916 | 2391 | 2396 | 2400 | rVB3 | 3795   | 6704   | 0.78%  | 0.072% |
| 67 | 16.975 | 2402 | 2406 | 2410 | rVB4 | 5278   | 7387   | 0.86%  | 0.080% |
| 68 | 17.045 | 2415 | 2418 | 2421 | rVB3 | 2309   | 3180   | 0.37%  | 0.034% |
| 69 | 17.215 | 2445 | 2447 | 2449 | rBV2 | 2104   | 2231   | 0.26%  | 0.024% |
| 70 | 17.245 | 2449 | 2452 | 2457 | rVV3 | 8149   | 13394  | 1.57%  | 0.144% |
| 71 | 17.309 | 2457 | 2463 | 2466 | rVB5 | 3740   | 7485   | 0.87%  | 0.081% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |        |        |         |        |
|----|--------|------|------|------|-------|--------|--------|---------|--------|
| 72 | 17.392 | 2475 | 2477 | 2479 | rBV2  | 1671   | 1492   | 0.17%   | 0.016% |
| 73 | 17.521 | 2490 | 2499 | 2505 | rBV2  | 421392 | 654280 | 76.45%  | 7.054% |
| 74 | 17.621 | 2510 | 2516 | 2524 | rVB   | 409895 | 587315 | 68.63%  | 6.332% |
| 75 | 17.685 | 2524 | 2527 | 2534 | rVB4  | 1632   | 2852   | 0.33%   | 0.031% |
| 76 | 17.762 | 2534 | 2540 | 2544 | rBV5  | 5027   | 9648   | 1.13%   | 0.104% |
| 77 | 17.868 | 2552 | 2558 | 2564 | rBV5  | 8291   | 17140  | 2.00%   | 0.185% |
| 78 | 17.985 | 2573 | 2578 | 2582 | rBV5  | 7598   | 9435   | 1.10%   | 0.102% |
| 79 | 18.050 | 2587 | 2589 | 2594 | rVV5  | 2289   | 3546   | 0.41%   | 0.038% |
| 80 | 18.097 | 2594 | 2597 | 2599 | rVB3  | 2461   | 2478   | 0.29%   | 0.027% |
| 81 | 18.250 | 2620 | 2623 | 2625 | rBV3  | 2337   | 3480   | 0.41%   | 0.038% |
| 82 | 18.308 | 2631 | 2633 | 2636 | rVB4  | 3149   | 2248   | 0.26%   | 0.024% |
| 83 | 18.379 | 2640 | 2645 | 2650 | rBV6  | 9956   | 16428  | 1.92%   | 0.177% |
| 84 | 18.455 | 2657 | 2658 | 2661 | rVB3  | 2928   | 2513   | 0.29%   | 0.027% |
| 85 | 18.673 | 2692 | 2695 | 2697 | rBV3  | 5712   | 5509   | 0.64%   | 0.059% |
| 86 | 18.743 | 2704 | 2707 | 2708 | rBV3  | 2946   | 3073   | 0.36%   | 0.033% |
| 87 | 18.937 | 2739 | 2740 | 2744 | rVB4  | 6056   | 5537   | 0.65%   | 0.060% |
| 88 | 18.966 | 2744 | 2745 | 2747 | rBV2  | 5623   | 4189   | 0.49%   | 0.045% |
| 89 | 19.231 | 2786 | 2790 | 2799 | rVB10 | 8411   | 16075  | 1.88%   | 0.173% |
| 90 | 19.530 | 2839 | 2841 | 2842 | rBV2  | 6181   | 5680   | 0.66%   | 0.061% |
| 91 | 19.648 | 2858 | 2861 | 2866 | rBV7  | 6481   | 13789  | 1.61%   | 0.149% |
| 92 | 19.730 | 2873 | 2875 | 2876 | rBV2  | 4097   | 1828   | 0.21%   | 0.020% |
| 93 | 19.895 | 2897 | 2903 | 2909 | rBV   | 480727 | 663009 | 77.47%  | 7.148% |
| 94 | 19.959 | 2913 | 2914 | 2915 | rVB   | 5858   | 2068   | 0.24%   | 0.022% |
| 95 | 21.399 | 3155 | 3159 | 3163 | rBV5  | 35926  | 46182  | 5.40%   | 0.498% |
| 96 | 21.792 | 3220 | 3226 | 3234 | rVB   | 515158 | 855820 | 100.00% | 9.227% |
| 97 | 24.877 | 3743 | 3751 | 3763 | rVB   | 250452 | 688508 | 80.45%  | 7.423% |
| 98 | 25.112 | 3782 | 3791 | 3802 | rVB2  | 283623 | 816515 | 95.41%  | 8.804% |

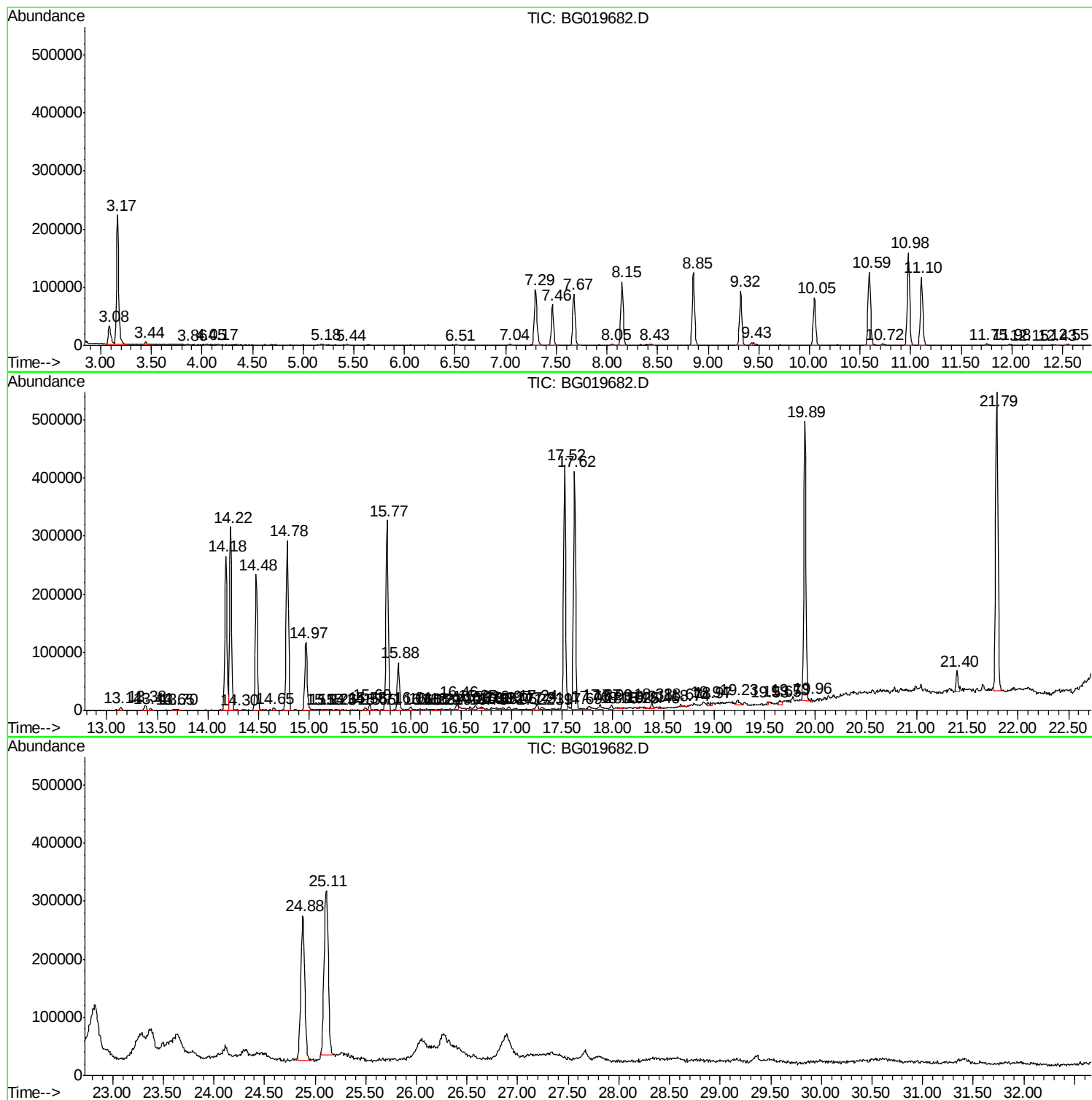
Sum of corrected areas: 9274887

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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



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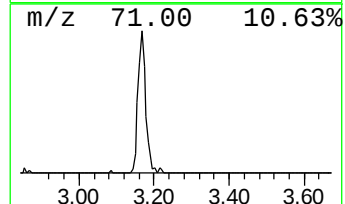
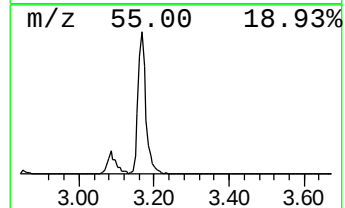
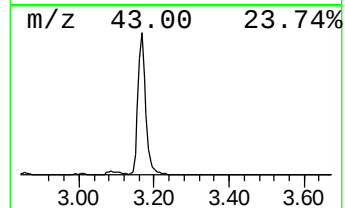
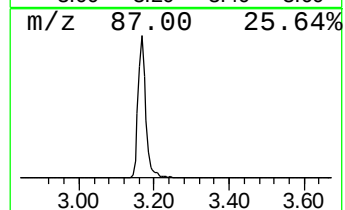
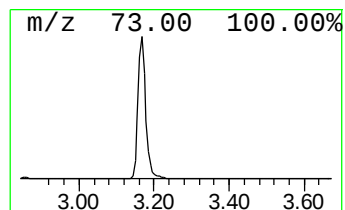
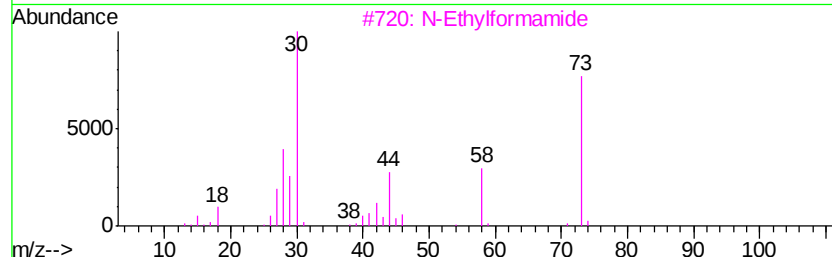
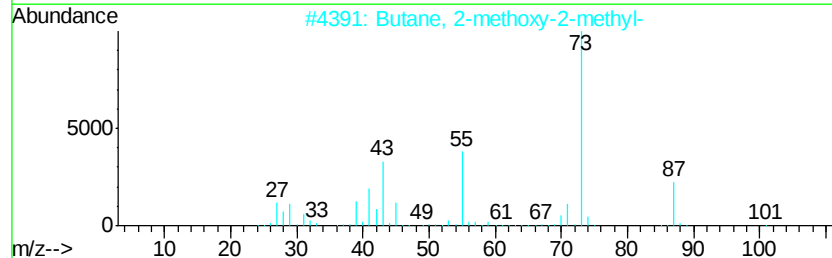
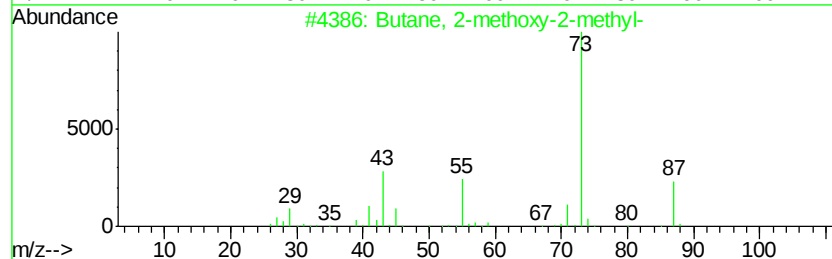
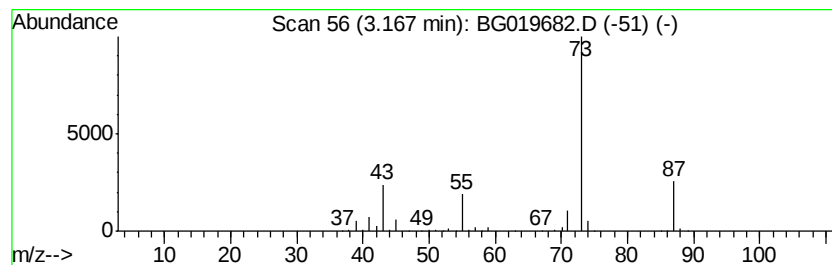
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.17 | 35.95 ng/ul | 318110 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-          | 102 | C6H14O  | 000994-05-8  | 50   |
| 2    |    |   | Butane, 2-methoxy-2-methyl-          | 102 | C6H14O  | 000994-05-8  | 40   |
| 3    |    |   | N-Ethylformamide                     | 73  | C3H7NO  | 000627-45-2  | 9    |
| 4    |    |   | Acetic acid, 3-[1,3]dioxolan-2-yl... | 174 | C8H14O4 | 1000186-02-3 | 9    |
| 5    |    |   | Pentane, 3-methoxy-                  | 102 | C6H14O  | 036839-67-5  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.17 | 36.0    | ng/ul | 318110   | 1                     | 8.15 | 176975 | 20.0 |