

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112015\  
 Data File : BG019725.D  
 Acq On : 20 Nov 2015 18:38  
 Operator : UM/NP  
 Sample : G4460-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC7D2

## 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         | 3.044       | 29            | 35          | 45           | rBV2     | 62793          | 152798        | 23.11%          | 2.232%        |
| 2         | 3.126       | 45            | 49          | 55           | rVB2     | 31441          | 51107         | 7.73%           | 0.747%        |
| 3         | 3.361       | 87            | 89          | 93           | rVB      | 1427           | 1186          | 0.18%           | 0.017%        |
| 4         | 3.408       | 93            | 97          | 103          | rBV5     | 4125           | 7693          | 1.16%           | 0.112%        |
| 5         | 4.125       | 217           | 219         | 224          | rBV2     | 1143           | 1713          | 0.26%           | 0.025%        |
| 6         | 4.201       | 227           | 232         | 238          | rVB      | 6401           | 10358         | 1.57%           | 0.151%        |
| 7         | 4.578       | 293           | 296         | 299          | rBV2     | 1059           | 1363          | 0.21%           | 0.020%        |
| 8         | 5.153       | 391           | 394         | 395          | rBV      | 1315           | 1213          | 0.18%           | 0.018%        |
| 9         | 5.382       | 430           | 433         | 435          | rBV2     | 1115           | 1531          | 0.23%           | 0.022%        |
| 10        | 5.617       | 467           | 473         | 477          | rBV3     | 780            | 1586          | 0.24%           | 0.023%        |
| 11        | 6.634       | 643           | 646         | 649          | rBV3     | 1236           | 1489          | 0.23%           | 0.022%        |
| 12        | 7.263       | 746           | 753         | 760          | rBV      | 77769          | 130617        | 19.76%          | 1.908%        |
| 13        | 7.433       | 773           | 782         | 788          | rBV      | 60370          | 97637         | 14.77%          | 1.426%        |
| 14        | 7.645       | 812           | 818         | 825          | rBV      | 75697          | 124404        | 18.82%          | 1.817%        |
| 15        | 8.115       | 891           | 898         | 905          | rBV      | 87188          | 150203        | 22.72%          | 2.194%        |
| 16        | 8.825       | 1013          | 1019        | 1026         | rBV      | 97881          | 165773        | 25.08%          | 2.421%        |
| 17        | 9.290       | 1092          | 1098        | 1108         | rVB      | 73146          | 126981        | 19.21%          | 1.855%        |
| 18        | 9.419       | 1117          | 1120        | 1121         | rBV2     | 1605           | 1506          | 0.23%           | 0.022%        |
| 19        | 9.437       | 1121          | 1123        | 1125         | rVB2     | 1642           | 1470          | 0.22%           | 0.021%        |
| 20        | 9.683       | 1161          | 1165        | 1169         | rVB2     | 1089           | 1286          | 0.19%           | 0.019%        |
| 21        | 9.971       | 1209          | 1214        | 1216         | rBV4     | 3842           | 4881          | 0.74%           | 0.071%        |
| 22        | 10.018      | 1216          | 1222        | 1231         | rVB2     | 64585          | 112825        | 17.07%          | 1.648%        |
| 23        | 10.565      | 1308          | 1315        | 1324         | rBV      | 96876          | 173353        | 26.22%          | 2.532%        |
| 24        | 10.806      | 1355          | 1356        | 1361         | rBV3     | 841            | 1212          | 0.18%           | 0.018%        |
| 25        | 10.947      | 1372          | 1380        | 1387         | rBV      | 117912         | 202956        | 30.70%          | 2.965%        |
| 26        | 11.082      | 1394          | 1403        | 1417         | rBV      | 78984          | 146068        | 22.09%          | 2.134%        |
| 27        | 11.522      | 1475          | 1478        | 1482         | rBV3     | 658            | 1244          | 0.19%           | 0.018%        |
| 28        | 12.122      | 1577          | 1580        | 1584         | rVB5     | 1376           | 2155          | 0.33%           | 0.031%        |
| 29        | 12.410      | 1626          | 1629        | 1632         | rVB2     | 1770           | 1550          | 0.23%           | 0.023%        |
| 30        | 12.521      | 1645          | 1648        | 1652         | rBV2     | 1826           | 2233          | 0.34%           | 0.033%        |
| 31        | 12.909      | 1711          | 1714        | 1716         | rBV2     | 1065           | 1394          | 0.21%           | 0.020%        |
| 32        | 13.062      | 1734          | 1740        | 1744         | rVB3     | 854            | 1956          | 0.30%           | 0.029%        |
| 33        | 13.109      | 1744          | 1748        | 1752         | rBV3     | 3259           | 5401          | 0.82%           | 0.079%        |
| 34        | 13.303      | 1778          | 1781        | 1783         | rBV3     | 1029           | 1184          | 0.18%           | 0.017%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.355 | 1785 | 1790 | 1796 | rVV5 | 4859   | 7097   | 1.07%  | 0.104% |
| 36 | 13.614 | 1830 | 1834 | 1835 | rVV2 | 897    | 1135   | 0.17%  | 0.017% |
| 37 | 13.626 | 1835 | 1836 | 1841 | rVB2 | 1273   | 1350   | 0.20%  | 0.020% |
| 38 | 14.155 | 1920 | 1926 | 1930 | rBV  | 215632 | 301961 | 45.68% | 4.411% |
| 39 | 14.202 | 1930 | 1934 | 1941 | rVB  | 126752 | 170943 | 25.86% | 2.497% |
| 40 | 14.260 | 1941 | 1944 | 1947 | rBV2 | 846    | 1204   | 0.18%  | 0.018% |
| 41 | 14.384 | 1963 | 1965 | 1970 | rVB  | 1384   | 1278   | 0.19%  | 0.019% |
| 42 | 14.454 | 1970 | 1977 | 1984 | rBV  | 193828 | 285221 | 43.14% | 4.166% |
| 43 | 14.630 | 2002 | 2007 | 2013 | rVB5 | 4686   | 6467   | 0.98%  | 0.094% |
| 44 | 14.760 | 2023 | 2029 | 2038 | rVB2 | 206538 | 324725 | 49.12% | 4.743% |
| 45 | 14.948 | 2055 | 2061 | 2073 | rBV  | 86976  | 144656 | 21.88% | 2.113% |
| 46 | 15.071 | 2080 | 2082 | 2084 | rVB  | 1218   | 1215   | 0.18%  | 0.018% |
| 47 | 15.230 | 2105 | 2109 | 2110 | rBV2 | 993    | 1225   | 0.19%  | 0.018% |
| 48 | 15.312 | 2121 | 2123 | 2125 | rBV2 | 1798   | 1186   | 0.18%  | 0.017% |
| 49 | 15.529 | 2155 | 2160 | 2164 | rBV2 | 4460   | 6244   | 0.94%  | 0.091% |
| 50 | 15.576 | 2164 | 2168 | 2172 | rVB3 | 9183   | 11351  | 1.72%  | 0.166% |
| 51 | 15.647 | 2178 | 2180 | 2184 | rVB3 | 1378   | 1392   | 0.21%  | 0.020% |
| 52 | 15.747 | 2191 | 2197 | 2208 | rVB  | 257729 | 373723 | 56.53% | 5.459% |
| 53 | 15.858 | 2211 | 2216 | 2225 | rVB  | 80020  | 118892 | 17.98% | 1.737% |
| 54 | 15.988 | 2231 | 2238 | 2240 | rVB3 | 4716   | 6723   | 1.02%  | 0.098% |
| 55 | 16.088 | 2252 | 2255 | 2258 | rVB3 | 1874   | 2500   | 0.38%  | 0.037% |
| 56 | 16.140 | 2260 | 2264 | 2267 | rVB5 | 1690   | 2581   | 0.39%  | 0.038% |
| 57 | 16.199 | 2272 | 2274 | 2277 | rBV3 | 1290   | 1589   | 0.24%  | 0.023% |
| 58 | 16.276 | 2285 | 2287 | 2291 | rVB3 | 1904   | 1803   | 0.27%  | 0.026% |
| 59 | 16.440 | 2310 | 2315 | 2317 | rBV  | 11704  | 16282  | 2.46%  | 0.238% |
| 60 | 16.511 | 2325 | 2327 | 2331 | rVB3 | 1431   | 1550   | 0.23%  | 0.023% |
| 61 | 16.569 | 2335 | 2337 | 2341 | rVB3 | 2017   | 2021   | 0.31%  | 0.030% |
| 62 | 16.622 | 2341 | 2346 | 2350 | rVB6 | 4135   | 6928   | 1.05%  | 0.101% |
| 63 | 16.687 | 2354 | 2357 | 2361 | rBV4 | 1413   | 1698   | 0.26%  | 0.025% |
| 64 | 16.781 | 2369 | 2373 | 2375 | rBV3 | 2452   | 2699   | 0.41%  | 0.039% |
| 65 | 16.810 | 2375 | 2378 | 2379 | rVB2 | 1535   | 1337   | 0.20%  | 0.020% |
| 66 | 16.840 | 2379 | 2383 | 2386 | rVB3 | 2297   | 2856   | 0.43%  | 0.042% |
| 67 | 16.887 | 2386 | 2391 | 2397 | rBV5 | 3073   | 5924   | 0.90%  | 0.087% |
| 68 | 16.951 | 2398 | 2402 | 2407 | rBV3 | 4700   | 5666   | 0.86%  | 0.083% |
| 69 | 16.986 | 2407 | 2408 | 2410 | rBV2 | 1924   | 1194   | 0.18%  | 0.017% |
| 70 | 17.022 | 2412 | 2414 | 2418 | rVB2 | 2833   | 3066   | 0.46%  | 0.045% |
| 71 | 17.086 | 2421 | 2425 | 2426 | rBV3 | 1322   | 1518   | 0.23%  | 0.022% |

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

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 17.104 | 2426 | 2428 | 2430 | rVB2 | 2462   | 1391   | 0.21%   | 0.020% |
| 73  | 17.169 | 2437 | 2439 | 2441 | rVB2 | 1320   | 1211   | 0.18%   | 0.018% |
| 74  | 17.227 | 2441 | 2449 | 2453 | rBV3 | 9527   | 13511  | 2.04%   | 0.197% |
| 75  | 17.286 | 2455 | 2459 | 2461 | rVB4 | 3687   | 5038   | 0.76%   | 0.074% |
| 76  | 17.386 | 2474 | 2476 | 2477 | rBV2 | 1865   | 1453   | 0.22%   | 0.021% |
| 77  | 17.504 | 2490 | 2496 | 2506 | rVV  | 301113 | 462290 | 69.93%  | 6.753% |
| 78  | 17.598 | 2506 | 2512 | 2519 | rVB2 | 280606 | 424789 | 64.25%  | 6.205% |
| 79  | 17.739 | 2534 | 2536 | 2537 | rVB2 | 2217   | 1168   | 0.18%   | 0.017% |
| 80  | 17.768 | 2537 | 2541 | 2545 | rBV5 | 2134   | 3821   | 0.58%   | 0.056% |
| 81  | 17.833 | 2549 | 2552 | 2553 | rBV3 | 1709   | 1842   | 0.28%   | 0.027% |
| 82  | 17.856 | 2553 | 2556 | 2564 | rVV9 | 7287   | 13272  | 2.01%   | 0.194% |
| 83  | 17.915 | 2564 | 2566 | 2568 | rVV3 | 1621   | 1645   | 0.25%   | 0.024% |
| 84  | 17.968 | 2571 | 2575 | 2579 | rVB2 | 7026   | 9163   | 1.39%   | 0.134% |
| 85  | 18.367 | 2639 | 2643 | 2647 | rBV5 | 12400  | 16412  | 2.48%   | 0.240% |
| 86  | 18.438 | 2654 | 2655 | 2660 | rVB3 | 5150   | 5651   | 0.85%   | 0.083% |
| 87  | 18.661 | 2689 | 2693 | 2697 | rVB6 | 4268   | 6312   | 0.95%   | 0.092% |
| 88  | 18.843 | 2722 | 2724 | 2725 | rBV2 | 2023   | 1774   | 0.27%   | 0.026% |
| 89  | 18.884 | 2725 | 2731 | 2732 | rVV4 | 3499   | 6077   | 0.92%   | 0.089% |
| 90  | 19.213 | 2784 | 2787 | 2795 | rVB7 | 6638   | 10837  | 1.64%   | 0.158% |
| 91  | 19.278 | 2795 | 2798 | 2807 | rBV8 | 5118   | 10477  | 1.58%   | 0.153% |
| 92  | 19.513 | 2833 | 2838 | 2839 | rBV5 | 5691   | 8176   | 1.24%   | 0.119% |
| 93  | 19.754 | 2877 | 2879 | 2885 | rVB3 | 6571   | 10411  | 1.57%   | 0.152% |
| 94  | 19.877 | 2894 | 2900 | 2906 | rBV  | 377249 | 514803 | 77.87%  | 7.520% |
| 95  | 20.764 | 3047 | 3051 | 3054 | rVB  | 17063  | 19795  | 2.99%   | 0.289% |
| 96  | 21.023 | 3092 | 3095 | 3099 | rVB2 | 18216  | 22149  | 3.35%   | 0.324% |
| 97  | 21.381 | 3153 | 3156 | 3165 | rVB6 | 25038  | 43208  | 6.54%   | 0.631% |
| 98  | 21.769 | 3216 | 3222 | 3234 | rVB  | 398241 | 661107 | 100.00% | 9.657% |
| 99  | 24.842 | 3736 | 3745 | 3756 | rVB2 | 155331 | 427608 | 64.68%  | 6.246% |
| 100 | 25.071 | 3774 | 3784 | 3798 | rVB2 | 211679 | 621042 | 93.94%  | 9.072% |

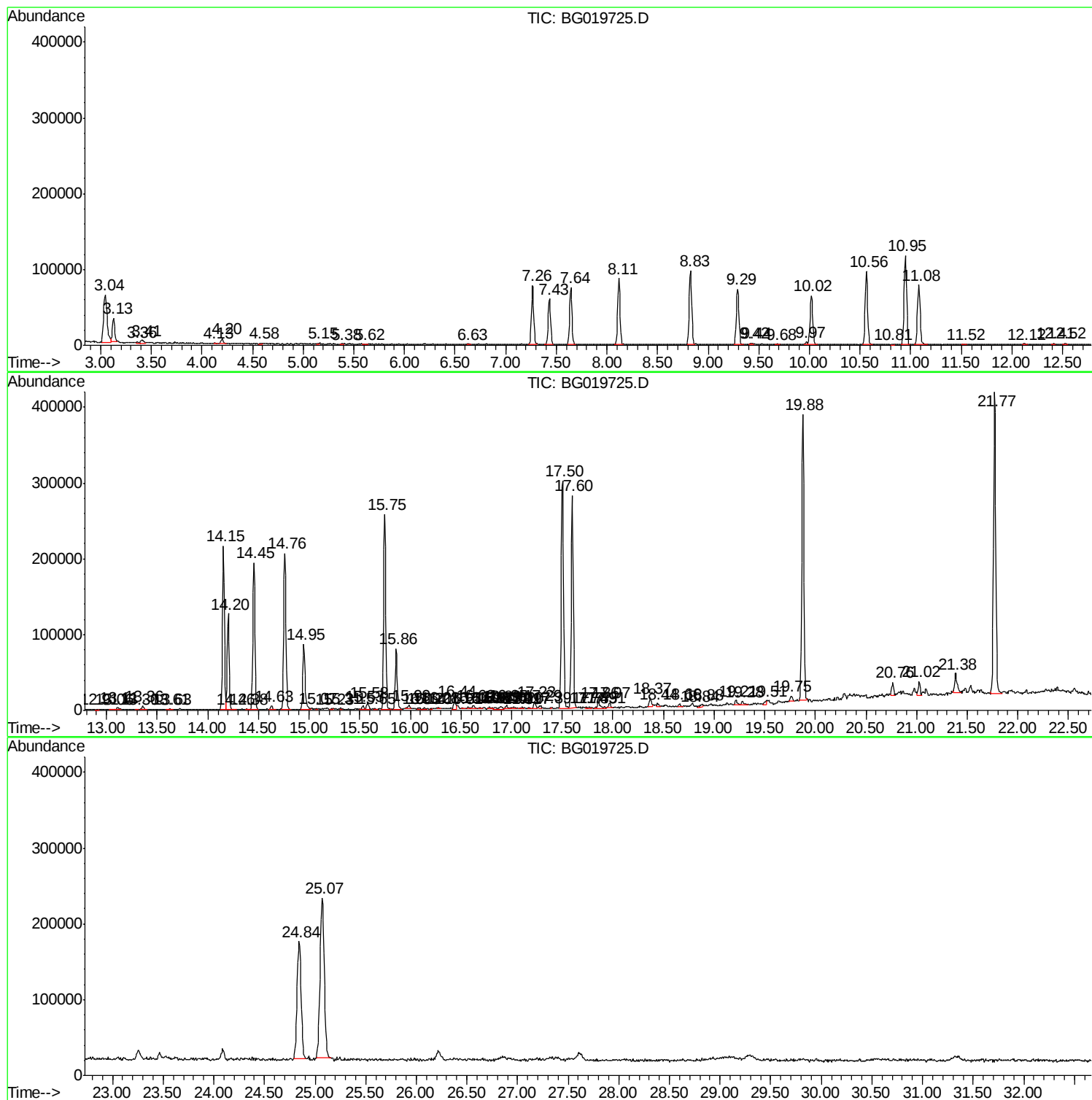
Sum of corrected areas: 6845959

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Instrument :  
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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



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112015\  
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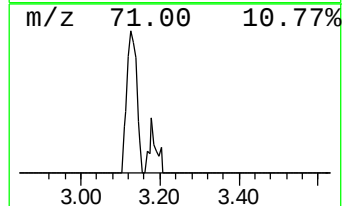
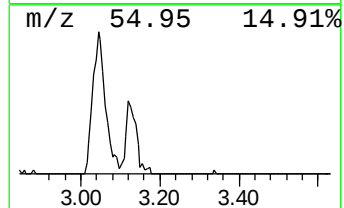
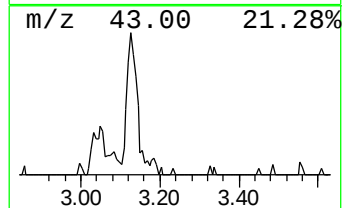
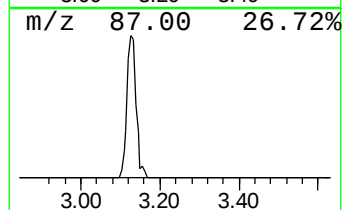
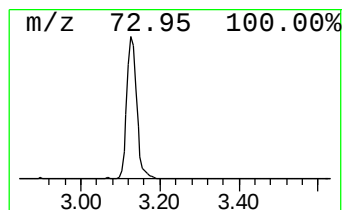
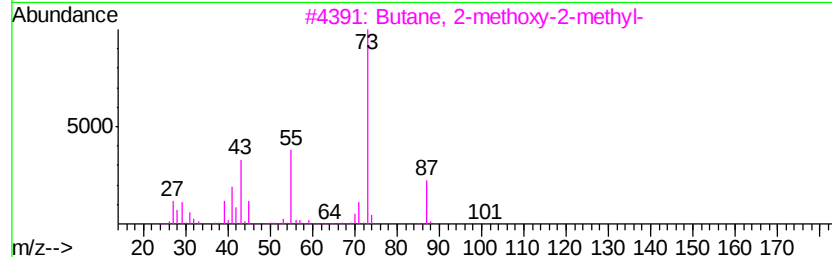
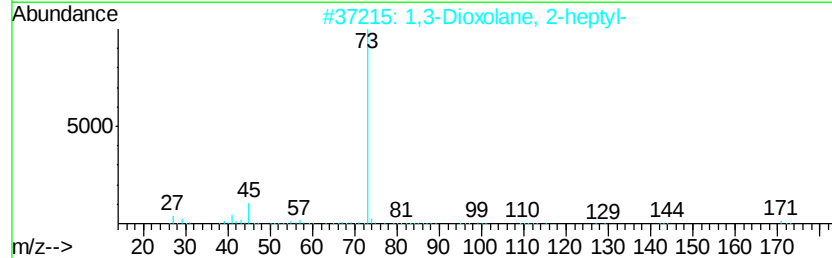
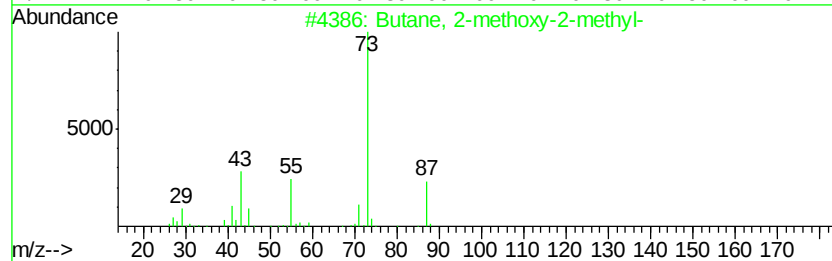
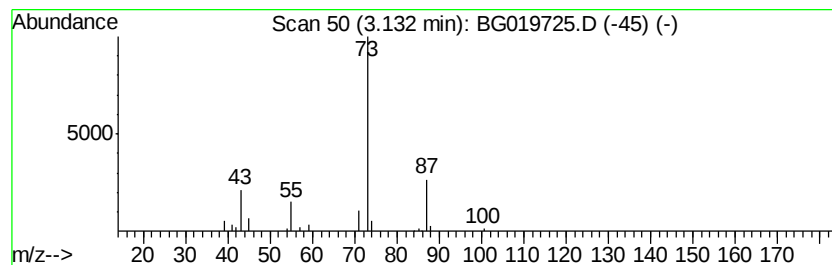
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|-----------------------------|--------------|------------------------|-------------|------|------|
| 3.13    | 6.81 ng/ul                  | 51107        | 1,4-Dichlorobenzene-d4 | 8.12        |      |      |
| Hit# of | 5                           | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O                 | 000994-05-8 | 78   |      |
| 2       | 1,3-Dioxolane, 2-heptyl-    | 172          | C10H20O2               | 004359-57-3 | 9    |      |
| 3       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O                 | 000994-05-8 | 9    |      |
| 4       | 1-Propene-1-thiol           | 74           | C3H6S                  | 000925-89-3 | 9    |      |
| 5       | Silane, ethyltrimethyl-     | 102          | C5H14Si                | 003439-38-1 | 9    |      |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.13 | 6.8     | ng/ul | 51107    | 1                     | 8.12 | 150203 | 20.0 |