

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\  
 Data File : BG019499.D  
 Acq On : 5 Nov 2015 19:19  
 Operator : UM/NP  
 Sample : G4273-13  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AP9

## 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-BG102815.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         | 2.894       | 6             | 9           | 16           | rVB5     | 11535          | 17912         | 1.32%           | 0.131%        |
| 2         | 3.129       | 43            | 49          | 57           | rBV      | 82438          | 157302        | 11.61%          | 1.153%        |
| 3         | 3.206       | 57            | 62          | 77           | rVB      | 624774         | 921133        | 67.99%          | 6.750%        |
| 4         | 3.488       | 106           | 110         | 112          | rBV2     | 4427           | 5236          | 0.39%           | 0.038%        |
| 5         | 3.570       | 122           | 124         | 127          | rBV2     | 2284           | 2012          | 0.15%           | 0.015%        |
| 6         | 3.717       | 146           | 149         | 150          | rBV2     | 2019           | 1796          | 0.13%           | 0.013%        |
| 7         | 4.169       | 221           | 226         | 229          | rVB3     | 2663           | 4248          | 0.31%           | 0.031%        |
| 8         | 4.551       | 288           | 291         | 294          | rBV2     | 1909           | 2278          | 0.17%           | 0.017%        |
| 9         | 4.592       | 294           | 298         | 299          | rBV3     | 2106           | 2584          | 0.19%           | 0.019%        |
| 10        | 5.215       | 400           | 404         | 410          | rBV3     | 7204           | 12099         | 0.89%           | 0.089%        |
| 11        | 6.232       | 573           | 577         | 578          | rBV2     | 1623           | 2088          | 0.15%           | 0.015%        |
| 12        | 6.713       | 657           | 659         | 664          | rVV2     | 1407           | 2032          | 0.15%           | 0.015%        |
| 13        | 7.324       | 756           | 763         | 771          | rBV      | 117599         | 199001        | 14.69%          | 1.458%        |
| 14        | 7.489       | 786           | 791         | 800          | rVB      | 82150          | 132828        | 9.80%           | 0.973%        |
| 15        | 7.706       | 821           | 828         | 838          | rBV      | 103035         | 176918        | 13.06%          | 1.296%        |
| 16        | 8.176       | 901           | 908         | 917          | rBV      | 153379         | 262892        | 19.41%          | 1.926%        |
| 17        | 8.776       | 1006          | 1010        | 1014         | rBV3     | 1208           | 1904          | 0.14%           | 0.014%        |
| 18        | 8.881       | 1021          | 1028        | 1035         | rBV      | 146482         | 246086        | 18.17%          | 1.803%        |
| 19        | 9.351       | 1101          | 1108        | 1114         | rVB      | 114151         | 196273        | 14.49%          | 1.438%        |
| 20        | 9.863       | 1188          | 1195        | 1197         | rBV      | 1369           | 2267          | 0.17%           | 0.017%        |
| 21        | 10.074      | 1224          | 1231        | 1240         | rBV2     | 101981         | 186310        | 13.75%          | 1.365%        |
| 22        | 10.621      | 1317          | 1324        | 1332         | rBV      | 157813         | 271724        | 20.06%          | 1.991%        |
| 23        | 11.008      | 1383          | 1390        | 1397         | rBV      | 217670         | 392544        | 28.98%          | 2.876%        |
| 24        | 11.138      | 1403          | 1412        | 1423         | rBV      | 134921         | 243896        | 18.00%          | 1.787%        |
| 25        | 11.678      | 1501          | 1504        | 1507         | rVB      | 1672           | 2054          | 0.15%           | 0.015%        |
| 26        | 11.778      | 1518          | 1521        | 1523         | rBV      | 1739           | 2177          | 0.16%           | 0.016%        |
| 27        | 12.236      | 1597          | 1599        | 1604         | rBV2     | 1180           | 1919          | 0.14%           | 0.014%        |
| 28        | 12.665      | 1670          | 1672        | 1675         | rVB2     | 2182           | 2131          | 0.16%           | 0.016%        |
| 29        | 12.783      | 1689          | 1692        | 1695         | rBV      | 1794           | 2225          | 0.16%           | 0.016%        |
| 30        | 12.977      | 1724          | 1725        | 1728         | rBV2     | 2186           | 2001          | 0.15%           | 0.015%        |
| 31        | 13.165      | 1751          | 1757        | 1763         | rBV      | 4690           | 7605          | 0.56%           | 0.056%        |
| 32        | 13.411      | 1794          | 1799        | 1804         | rVB2     | 6926           | 11435         | 0.84%           | 0.084%        |
| 33        | 13.611      | 1831          | 1833        | 1838         | rVB3     | 1713           | 2564          | 0.19%           | 0.019%        |
| 34        | 13.846      | 1870          | 1873        | 1876         | rBV      | 1452           | 2037          | 0.15%           | 0.015%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.199 | 1928 | 1933 | 1938 | rBV  | 317432 | 475016 | 35.06% | 3.481% |
| 36 | 14.246 | 1938 | 1941 | 1947 | rVB  | 154789 | 209839 | 15.49% | 1.538% |
| 37 | 14.504 | 1978 | 1985 | 1994 | rVB  | 314917 | 496853 | 36.68% | 3.641% |
| 38 | 14.675 | 2011 | 2014 | 2019 | rBV2 | 4698   | 6814   | 0.50%  | 0.050% |
| 39 | 14.810 | 2028 | 2037 | 2045 | rVB2 | 407973 | 652131 | 48.14% | 4.779% |
| 40 | 14.992 | 2062 | 2068 | 2078 | rBV  | 159927 | 251338 | 18.55% | 1.842% |
| 41 | 15.186 | 2097 | 2101 | 2102 | rBV2 | 2513   | 2410   | 0.18%  | 0.018% |
| 42 | 15.203 | 2102 | 2104 | 2109 | rVB4 | 6806   | 8480   | 0.63%  | 0.062% |
| 43 | 15.480 | 2149 | 2151 | 2158 | rVB3 | 1611   | 1884   | 0.14%  | 0.014% |
| 44 | 15.591 | 2164 | 2170 | 2172 | rBV3 | 2919   | 5836   | 0.43%  | 0.043% |
| 45 | 15.627 | 2172 | 2176 | 2181 | rVB3 | 10931  | 14821  | 1.09%  | 0.109% |
| 46 | 15.674 | 2181 | 2184 | 2187 | rBV2 | 2408   | 2576   | 0.19%  | 0.019% |
| 47 | 15.797 | 2198 | 2205 | 2211 | rVV  | 457826 | 695357 | 51.33% | 5.095% |
| 48 | 15.903 | 2217 | 2223 | 2232 | rBV  | 173115 | 250278 | 18.47% | 1.834% |
| 49 | 16.032 | 2238 | 2245 | 2249 | rBV4 | 8525   | 17175  | 1.27%  | 0.126% |
| 50 | 16.132 | 2259 | 2262 | 2264 | rVV2 | 2915   | 3040   | 0.22%  | 0.022% |
| 51 | 16.238 | 2277 | 2280 | 2283 | rBV2 | 1874   | 3091   | 0.23%  | 0.023% |
| 52 | 16.332 | 2294 | 2296 | 2298 | rBV2 | 3167   | 2208   | 0.16%  | 0.016% |
| 53 | 16.420 | 2307 | 2311 | 2316 | rBV3 | 2507   | 4350   | 0.32%  | 0.032% |
| 54 | 16.490 | 2316 | 2323 | 2324 | rBV2 | 14575  | 20737  | 1.53%  | 0.152% |
| 55 | 16.584 | 2336 | 2339 | 2340 | rBV2 | 2371   | 2505   | 0.18%  | 0.018% |
| 56 | 16.602 | 2340 | 2342 | 2347 | rVB3 | 2790   | 3549   | 0.26%  | 0.026% |
| 57 | 16.666 | 2349 | 2353 | 2356 | rBV4 | 4082   | 5627   | 0.42%  | 0.041% |
| 58 | 16.743 | 2364 | 2366 | 2369 | rVB2 | 2504   | 2458   | 0.18%  | 0.018% |
| 59 | 16.819 | 2376 | 2379 | 2380 | rBV3 | 6035   | 4598   | 0.34%  | 0.034% |
| 60 | 17.042 | 2414 | 2417 | 2418 | rBV2 | 2440   | 2238   | 0.17%  | 0.016% |
| 61 | 17.066 | 2419 | 2421 | 2424 | rVV  | 2130   | 2163   | 0.16%  | 0.016% |
| 62 | 17.272 | 2452 | 2456 | 2461 | rBV4 | 13935  | 20098  | 1.48%  | 0.147% |
| 63 | 17.330 | 2461 | 2466 | 2470 | rVV5 | 7019   | 10411  | 0.77%  | 0.076% |
| 64 | 17.548 | 2497 | 2503 | 2508 | rBV  | 632345 | 940764 | 69.44% | 6.894% |
| 65 | 17.589 | 2508 | 2510 | 2514 | rVV  | 39897  | 48515  | 3.58%  | 0.356% |
| 66 | 17.648 | 2514 | 2520 | 2530 | rVB  | 561597 | 838751 | 61.91% | 6.146% |
| 67 | 17.771 | 2540 | 2541 | 2545 | rBV2 | 2631   | 2814   | 0.21%  | 0.021% |
| 68 | 17.806 | 2545 | 2547 | 2548 | rBV  | 3077   | 2538   | 0.19%  | 0.019% |
| 69 | 17.871 | 2557 | 2558 | 2561 | rBV3 | 2782   | 2463   | 0.18%  | 0.018% |
| 70 | 17.930 | 2566 | 2568 | 2571 | rBV2 | 2246   | 2366   | 0.17%  | 0.017% |
| 71 | 18.012 | 2579 | 2582 | 2587 | rVB4 | 9647   | 13173  | 0.97%  | 0.097% |

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 18.065 | 2587 | 2591 | 2595 | rVB5 | 5321   | 8589    | 0.63%   | 0.063% |
| 73  | 18.100 | 2595 | 2597 | 2598 | rBV2 | 3236   | 2149    | 0.16%   | 0.016% |
| 74  | 18.118 | 2598 | 2600 | 2603 | rBV3 | 2925   | 3980    | 0.29%   | 0.029% |
| 75  | 18.270 | 2625 | 2626 | 2629 | rBV3 | 3736   | 3097    | 0.23%   | 0.023% |
| 76  | 18.335 | 2634 | 2637 | 2638 | rBV2 | 1995   | 1865    | 0.14%   | 0.014% |
| 77  | 18.353 | 2638 | 2640 | 2641 | rBV2 | 2552   | 1920    | 0.14%   | 0.014% |
| 78  | 18.411 | 2646 | 2650 | 2655 | rBV5 | 14876  | 25326   | 1.87%   | 0.186% |
| 79  | 18.470 | 2656 | 2660 | 2666 | rVB4 | 10100  | 16781   | 1.24%   | 0.123% |
| 80  | 18.547 | 2670 | 2673 | 2678 | rBV6 | 7084   | 10796   | 0.80%   | 0.079% |
| 81  | 18.605 | 2681 | 2683 | 2684 | rBV  | 8853   | 7226    | 0.53%   | 0.053% |
| 82  | 18.652 | 2689 | 2691 | 2696 | rVB5 | 6229   | 6462    | 0.48%   | 0.047% |
| 83  | 18.764 | 2708 | 2710 | 2712 | rVB3 | 3163   | 2628    | 0.19%   | 0.019% |
| 84  | 18.911 | 2733 | 2735 | 2738 | rVB3 | 6307   | 6824    | 0.50%   | 0.050% |
| 85  | 18.946 | 2740 | 2741 | 2744 | rVV3 | 5468   | 4545    | 0.34%   | 0.033% |
| 86  | 18.987 | 2747 | 2748 | 2749 | rBV  | 3986   | 2489    | 0.18%   | 0.018% |
| 87  | 19.551 | 2841 | 2844 | 2845 | rBV2 | 7507   | 7343    | 0.54%   | 0.054% |
| 88  | 19.587 | 2845 | 2850 | 2856 | rVB  | 120916 | 171021  | 12.62%  | 1.253% |
| 89  | 19.634 | 2856 | 2858 | 2860 | rBV3 | 4672   | 3394    | 0.25%   | 0.025% |
| 90  | 19.675 | 2863 | 2865 | 2866 | rBV  | 4481   | 3033    | 0.22%   | 0.022% |
| 91  | 19.739 | 2873 | 2876 | 2879 | rVB5 | 6893   | 9479    | 0.70%   | 0.069% |
| 92  | 19.775 | 2879 | 2882 | 2885 | rBV5 | 5508   | 9906    | 0.73%   | 0.073% |
| 93  | 19.921 | 2901 | 2907 | 2919 | rBV2 | 730815 | 1180065 | 87.11%  | 8.647% |
| 94  | 20.121 | 2936 | 2941 | 2947 | rBV4 | 15119  | 25729   | 1.90%   | 0.189% |
| 95  | 20.433 | 2991 | 2994 | 3002 | rVB2 | 23604  | 41156   | 3.04%   | 0.302% |
| 96  | 20.532 | 3009 | 3011 | 3015 | rVB  | 14186  | 13427   | 0.99%   | 0.098% |
| 97  | 21.437 | 3161 | 3165 | 3170 | rBV5 | 39907  | 64887   | 4.79%   | 0.475% |
| 98  | 21.825 | 3223 | 3231 | 3237 | rBV  | 746630 | 1354714 | 100.00% | 9.927% |
| 99  | 24.945 | 3753 | 3762 | 3772 | rBV  | 356439 | 983078  | 72.57%  | 7.204% |
| 100 | 25.180 | 3792 | 3802 | 3812 | rVB  | 400094 | 1166158 | 86.08%  | 8.545% |

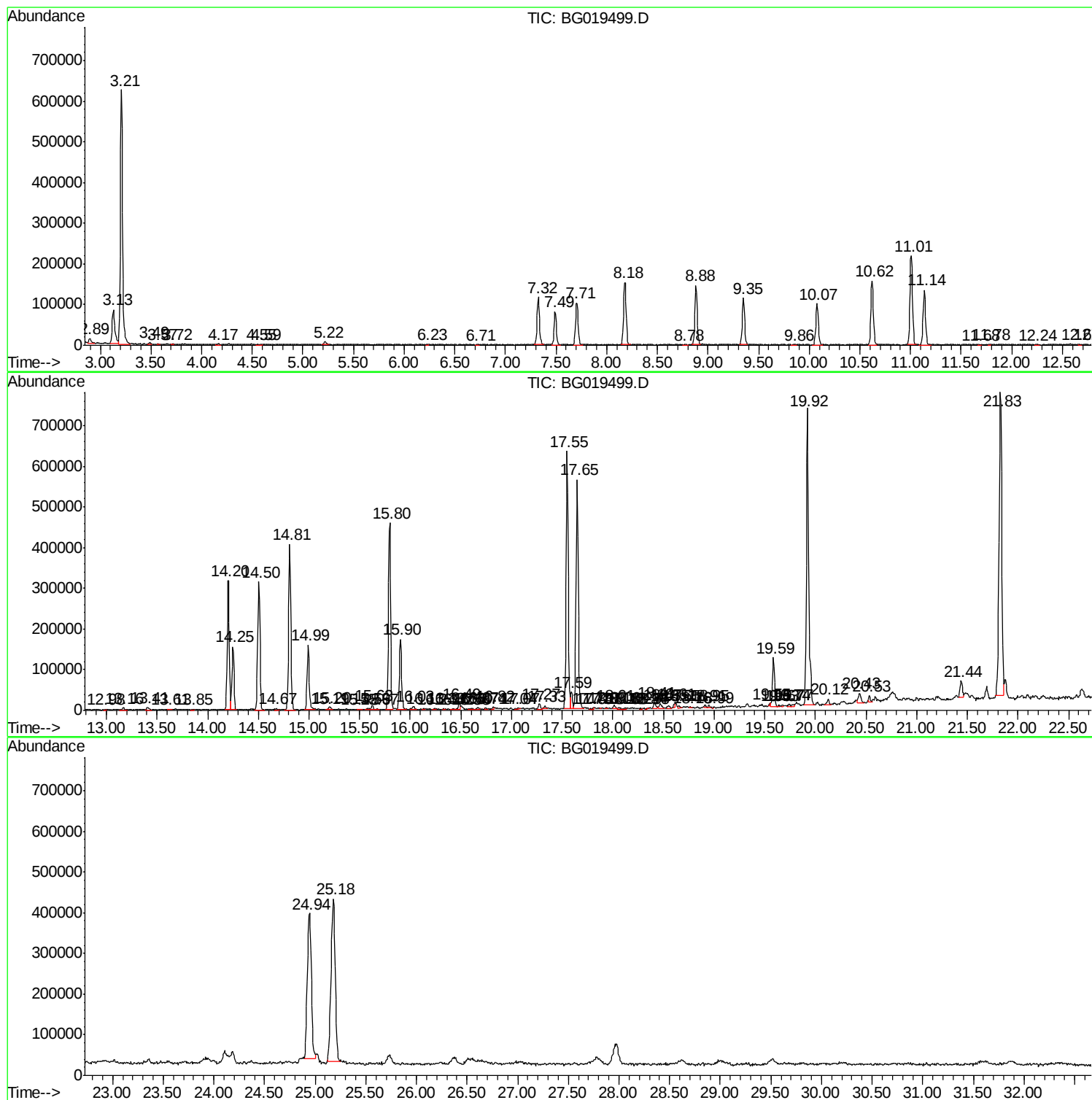
Sum of corrected areas: 13646843

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

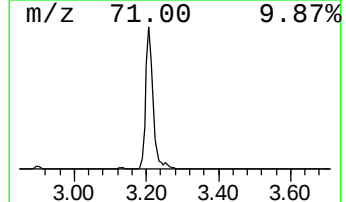
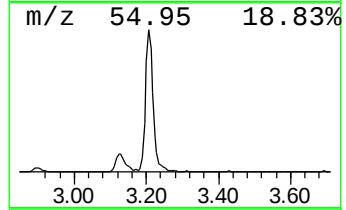
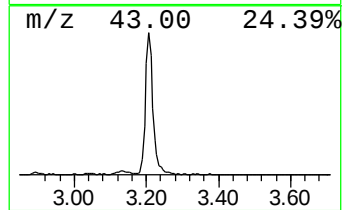
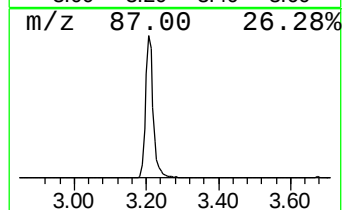
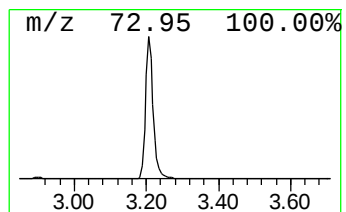
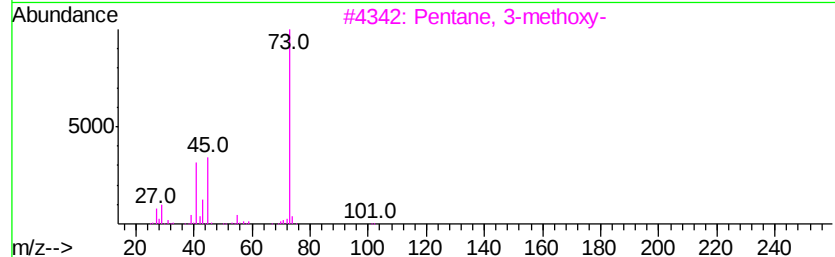
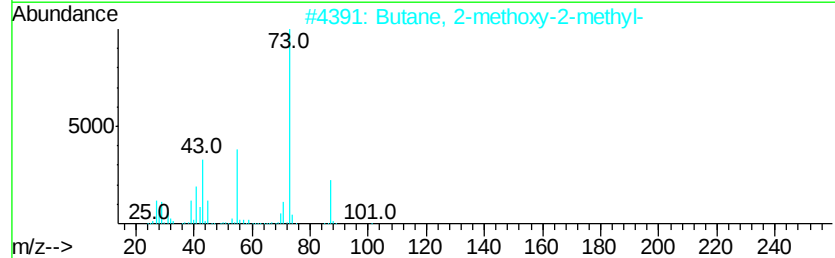
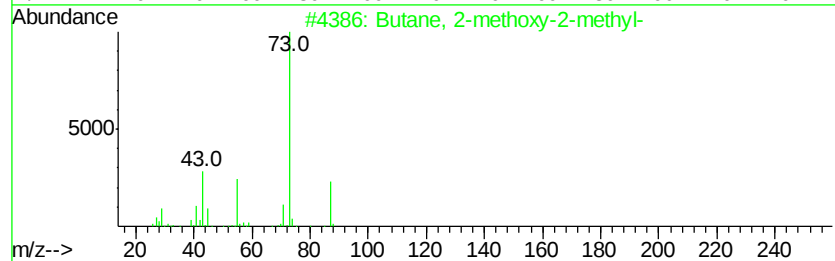
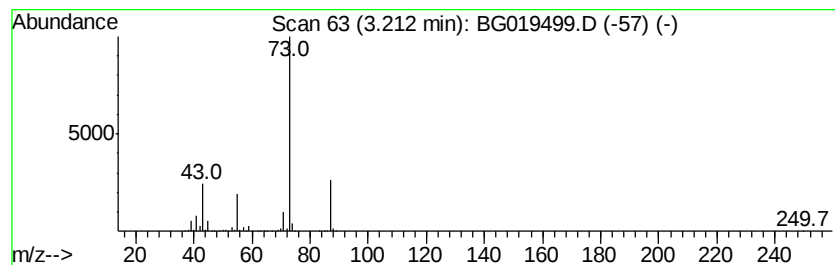
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.21 | 70.08 ng/ul | 921133 | 1,4-Dichlorobenzene-d4 | 8.18 |

| 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 | 39   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |



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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... | 3.21 | 70.1    | ng/ul | 921133   | 1                     | 8.18 | 262892 | 20.0 |