

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012315\  
 Data File : BM000342.D  
 Acq On : 24 Jan 2015 20:22  
 Operator : TP/IZ  
 Sample : G1134-18  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB8

## 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\_M\METHODS\SOM01.2-EPA-BM012315.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         | 2.975       | 45            | 49          | 58           | rBV2     | 321394         | 569463        | 17.79%          | 1.854%        |
| 2         | 3.046       | 58            | 61          | 74           | rVB      | 243801         | 396355        | 12.38%          | 1.290%        |
| 3         | 6.975       | 725           | 729         | 737          | rVB3     | 75783          | 136406        | 4.26%           | 0.444%        |
| 4         | 7.145       | 753           | 758         | 765          | rVB      | 278538         | 452658        | 14.14%          | 1.473%        |
| 5         | 7.345       | 787           | 792         | 799          | rVB2     | 275394         | 446805        | 13.96%          | 1.454%        |
| 6         | 7.810       | 865           | 871         | 878          | rVB      | 439563         | 707173        | 22.10%          | 2.302%        |
| 7         | 8.510       | 984           | 990         | 997          | rVB      | 217257         | 358887        | 11.21%          | 1.168%        |
| 8         | 8.963       | 1061          | 1067        | 1074         | rBV      | 448365         | 737737        | 23.05%          | 2.401%        |
| 9         | 9.686       | 1184          | 1190        | 1200         | rVB2     | 298043         | 501645        | 15.67%          | 1.633%        |
| 10        | 10.151      | 1267          | 1269        | 1273         | rBV2     | 5615           | 8957          | 0.28%           | 0.029%        |
| 11        | 10.222      | 1275          | 1281        | 1290         | rVB      | 416144         | 700581        | 21.89%          | 2.280%        |
| 12        | 10.375      | 1306          | 1307        | 1310         | rBV      | 5801           | 5258          | 0.16%           | 0.017%        |
| 13        | 10.598      | 1337          | 1345        | 1352         | rBV      | 590020         | 1004808       | 31.40%          | 3.271%        |
| 14        | 10.733      | 1366          | 1368        | 1372         | rVB4     | 8020           | 11292         | 0.35%           | 0.037%        |
| 15        | 10.945      | 1403          | 1404        | 1407         | rBV3     | 4744           | 4410          | 0.14%           | 0.014%        |
| 16        | 11.145      | 1434          | 1438        | 1440         | rBV2     | 4343           | 5649          | 0.18%           | 0.018%        |
| 17        | 11.239      | 1453          | 1454        | 1457         | rVB3     | 5275           | 3889          | 0.12%           | 0.013%        |
| 18        | 11.645      | 1520          | 1523        | 1525         | rBV4     | 2901           | 3230          | 0.10%           | 0.011%        |
| 19        | 11.669      | 1525          | 1527        | 1529         | rVB3     | 4495           | 3302          | 0.10%           | 0.011%        |
| 20        | 11.922      | 1566          | 1570        | 1573         | rVB5     | 8272           | 12881         | 0.40%           | 0.042%        |
| 21        | 12.027      | 1585          | 1588        | 1590         | rBV2     | 4651           | 3624          | 0.11%           | 0.012%        |
| 22        | 12.192      | 1612          | 1616        | 1618         | rBV2     | 7573           | 7165          | 0.22%           | 0.023%        |
| 23        | 12.274      | 1627          | 1630        | 1634         | rVB3     | 2992           | 3905          | 0.12%           | 0.013%        |
| 24        | 12.310      | 1634          | 1636        | 1638         | rBV2     | 3577           | 3242          | 0.10%           | 0.011%        |
| 25        | 12.692      | 1697          | 1701        | 1704         | rBV4     | 2989           | 4412          | 0.14%           | 0.014%        |
| 26        | 13.298      | 1803          | 1804        | 1808         | rVB3     | 2877           | 3418          | 0.11%           | 0.011%        |
| 27        | 13.345      | 1808          | 1812        | 1814         | rBV2     | 3895           | 5063          | 0.16%           | 0.016%        |
| 28        | 13.857      | 1892          | 1899        | 1905         | rBV      | 1096775        | 1496718       | 46.77%          | 4.872%        |
| 29        | 14.139      | 1941          | 1947        | 1955         | rBV      | 1119823        | 1569316       | 49.04%          | 5.108%        |
| 30        | 14.351      | 1977          | 1983        | 1987         | rBV4     | 5433           | 10081         | 0.31%           | 0.033%        |
| 31        | 14.445      | 1993          | 1999        | 2007         | rVB      | 968149         | 1416383       | 44.26%          | 4.610%        |
| 32        | 14.639      | 2025          | 2032        | 2040         | rBV3     | 60935          | 100209        | 3.13%           | 0.326%        |
| 33        | 14.974      | 2086          | 2089        | 2094         | rVV4     | 2036           | 3841          | 0.12%           | 0.013%        |
| 34        | 15.210      | 2127          | 2129        | 2132         | rBV2     | 5463           | 5533          | 0.17%           | 0.018%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.268 | 2135 | 2139 | 2143 | rVV3 | 14560   | 19315   | 0.60%   | 0.063%  |
| 36 | 15.439 | 2162 | 2168 | 2175 | rBV  | 1549437 | 2139995 | 66.87%  | 6.966%  |
| 37 | 15.557 | 2181 | 2188 | 2196 | rBV  | 408778  | 524151  | 16.38%  | 1.706%  |
| 38 | 15.680 | 2204 | 2209 | 2213 | rBV6 | 18276   | 23977   | 0.75%   | 0.078%  |
| 39 | 15.804 | 2225 | 2230 | 2235 | rBV3 | 21999   | 33455   | 1.05%   | 0.109%  |
| 40 | 16.051 | 2269 | 2272 | 2274 | rBV3 | 3586    | 3943    | 0.12%   | 0.013%  |
| 41 | 16.486 | 2343 | 2346 | 2351 | rVB4 | 2717    | 3984    | 0.12%   | 0.013%  |
| 42 | 16.945 | 2420 | 2424 | 2425 | rBV3 | 4666    | 4100    | 0.13%   | 0.013%  |
| 43 | 16.980 | 2427 | 2430 | 2433 | rVV4 | 3343    | 5640    | 0.18%   | 0.018%  |
| 44 | 17.133 | 2454 | 2456 | 2459 | rBV3 | 3617    | 4611    | 0.14%   | 0.015%  |
| 45 | 17.192 | 2459 | 2466 | 2474 | rVV2 | 1405889 | 1937885 | 60.55%  | 6.308%  |
| 46 | 17.292 | 2476 | 2483 | 2494 | rVV  | 1874843 | 2616045 | 81.74%  | 8.515%  |
| 47 | 17.392 | 2498 | 2500 | 2503 | rVB3 | 4835    | 4750    | 0.15%   | 0.015%  |
| 48 | 17.427 | 2503 | 2506 | 2509 | rBV4 | 6545    | 8645    | 0.27%   | 0.028%  |
| 49 | 17.592 | 2533 | 2534 | 2539 | rVB3 | 4523    | 5771    | 0.18%   | 0.019%  |
| 50 | 17.639 | 2539 | 2542 | 2545 | rBV4 | 4038    | 5597    | 0.17%   | 0.018%  |
| 51 | 17.921 | 2587 | 2590 | 2592 | rVB3 | 5109    | 5554    | 0.17%   | 0.018%  |
| 52 | 17.939 | 2592 | 2593 | 2596 | rBV3 | 5806    | 5993    | 0.19%   | 0.020%  |
| 53 | 17.980 | 2598 | 2600 | 2604 | rVB4 | 4533    | 5289    | 0.17%   | 0.017%  |
| 54 | 18.074 | 2611 | 2616 | 2626 | rBV7 | 71157   | 128970  | 4.03%   | 0.420%  |
| 55 | 18.203 | 2635 | 2638 | 2640 | rVB3 | 3446    | 3756    | 0.12%   | 0.012%  |
| 56 | 18.227 | 2640 | 2642 | 2645 | rVV3 | 3848    | 4370    | 0.14%   | 0.014%  |
| 57 | 18.268 | 2648 | 2649 | 2653 | rVB4 | 4138    | 3845    | 0.12%   | 0.013%  |
| 58 | 18.392 | 2669 | 2670 | 2673 | rVV3 | 5211    | 4138    | 0.13%   | 0.013%  |
| 59 | 18.592 | 2701 | 2704 | 2705 | rBV3 | 4638    | 3428    | 0.11%   | 0.011%  |
| 60 | 18.803 | 2737 | 2740 | 2742 | rBV3 | 3783    | 4499    | 0.14%   | 0.015%  |
| 61 | 18.845 | 2744 | 2747 | 2749 | rVV4 | 4429    | 4103    | 0.13%   | 0.013%  |
| 62 | 18.927 | 2759 | 2761 | 2762 | rBV  | 5614    | 3524    | 0.11%   | 0.011%  |
| 63 | 18.980 | 2768 | 2770 | 2773 | rBV4 | 4156    | 4714    | 0.15%   | 0.015%  |
| 64 | 19.015 | 2773 | 2776 | 2778 | rVB4 | 3648    | 3218    | 0.10%   | 0.010%  |
| 65 | 19.039 | 2778 | 2780 | 2784 | rVB4 | 2919    | 3468    | 0.11%   | 0.011%  |
| 66 | 19.162 | 2798 | 2801 | 2803 | rBV4 | 2737    | 3662    | 0.11%   | 0.012%  |
| 67 | 19.221 | 2807 | 2811 | 2814 | rBV4 | 23025   | 32553   | 1.02%   | 0.106%  |
| 68 | 19.362 | 2830 | 2835 | 2844 | rBV5 | 56877   | 79692   | 2.49%   | 0.259%  |
| 69 | 19.474 | 2850 | 2854 | 2859 | rBV2 | 18486   | 25022   | 0.78%   | 0.081%  |
| 70 | 19.586 | 2867 | 2873 | 2883 | rVV  | 2380201 | 3200347 | 100.00% | 10.417% |
| 71 | 19.662 | 2885 | 2886 | 2889 | rVB3 | 4809    | 4037    | 0.13%   | 0.013%  |

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|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 72 | 19.803 | 2909 | 2910 | 2912 | rBV2 | 6529    | 4206    | 0.13%  | 0.014%  |
| 73 | 19.850 | 2916 | 2918 | 2922 | rVB3 | 5626    | 7465    | 0.23%  | 0.024%  |
| 74 | 19.921 | 2927 | 2930 | 2932 | rBV4 | 5640    | 5604    | 0.18%  | 0.018%  |
| 75 | 19.968 | 2936 | 2938 | 2941 | rVB4 | 3837    | 4285    | 0.13%  | 0.014%  |
| 76 | 20.003 | 2941 | 2944 | 2945 | rBV2 | 9795    | 8588    | 0.27%  | 0.028%  |
| 77 | 20.127 | 2961 | 2965 | 2969 | rBV4 | 8184    | 14164   | 0.44%  | 0.046%  |
| 78 | 20.180 | 2972 | 2974 | 2978 | rVB4 | 7049    | 6425    | 0.20%  | 0.021%  |
| 79 | 20.262 | 2986 | 2988 | 2992 | rBV4 | 5451    | 8808    | 0.28%  | 0.029%  |
| 80 | 20.374 | 3006 | 3007 | 3009 | rVV2 | 7058    | 3824    | 0.12%  | 0.012%  |
| 81 | 20.415 | 3012 | 3014 | 3016 | rVV2 | 5031    | 5016    | 0.16%  | 0.016%  |
| 82 | 20.462 | 3020 | 3022 | 3023 | rVB2 | 6375    | 4096    | 0.13%  | 0.013%  |
| 83 | 20.503 | 3023 | 3029 | 3034 | rBV8 | 13220   | 26533   | 0.83%  | 0.086%  |
| 84 | 20.609 | 3045 | 3047 | 3049 | rBV2 | 6391    | 6036    | 0.19%  | 0.020%  |
| 85 | 20.686 | 3058 | 3060 | 3061 | rBV2 | 4256    | 3268    | 0.10%  | 0.011%  |
| 86 | 20.786 | 3075 | 3077 | 3078 | rBV2 | 7453    | 6248    | 0.20%  | 0.020%  |
| 87 | 21.086 | 3123 | 3128 | 3136 | rBV6 | 81251   | 158923  | 4.97%  | 0.517%  |
| 88 | 21.174 | 3141 | 3143 | 3149 | rVB6 | 23346   | 28858   | 0.90%  | 0.094%  |
| 89 | 21.291 | 3158 | 3163 | 3166 | rBV6 | 18591   | 33082   | 1.03%  | 0.108%  |
| 90 | 21.380 | 3173 | 3178 | 3185 | rBV  | 2309437 | 2818367 | 88.06% | 9.174%  |
| 91 | 23.521 | 3535 | 3542 | 3554 | rVB2 | 1601285 | 3110482 | 97.19% | 10.125% |
| 92 | 23.668 | 3560 | 3567 | 3576 | rVB  | 1532441 | 2876873 | 89.89% | 9.364%  |

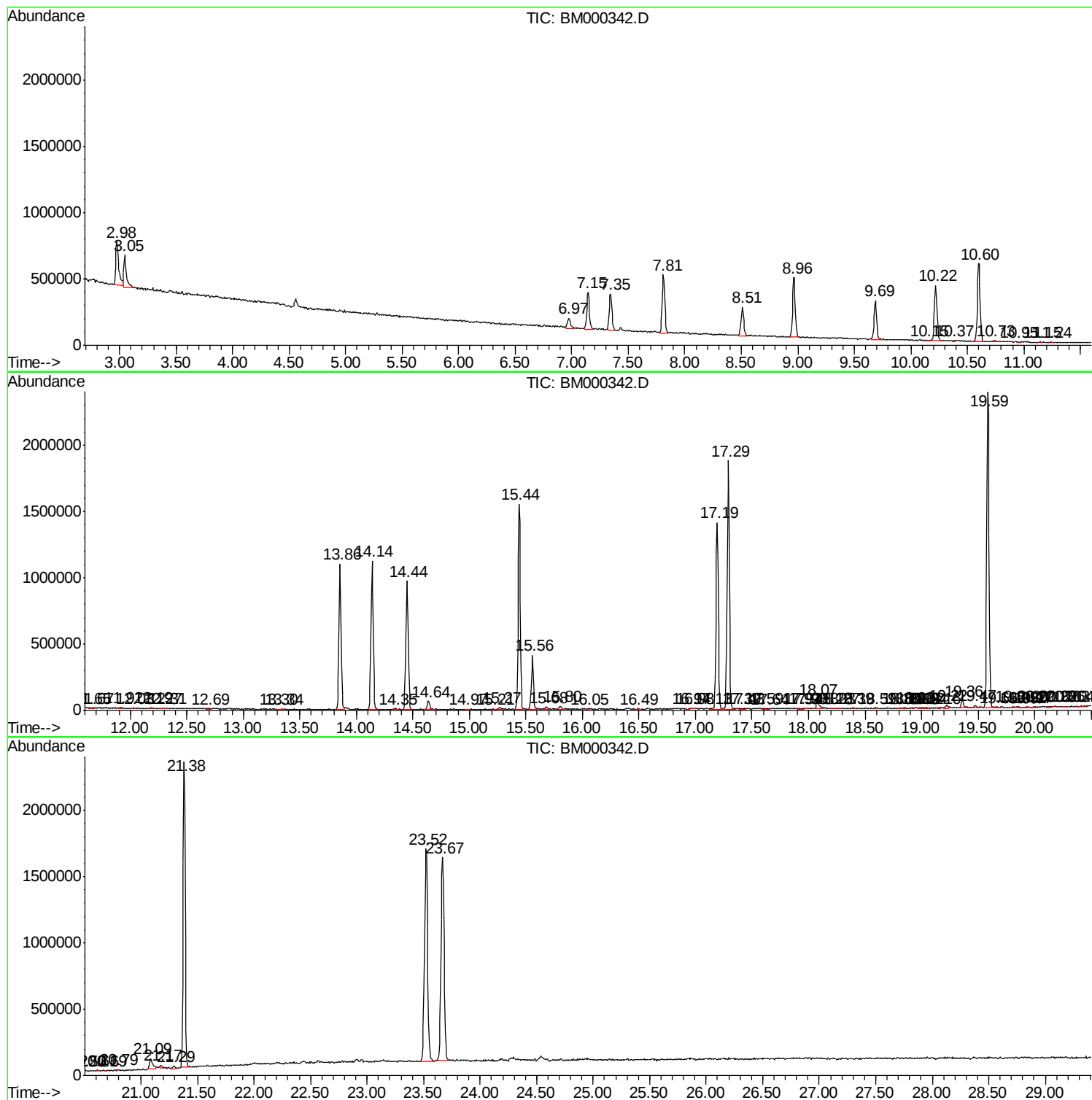
Sum of corrected areas: 30721493

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM012315.M  
Quant Title : SVOA CALIBRATION

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



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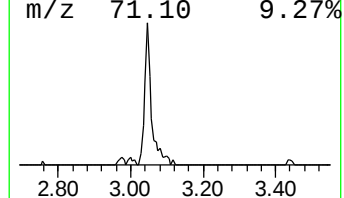
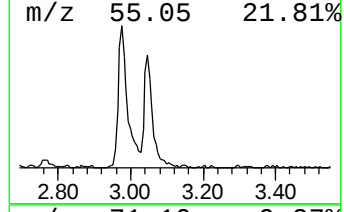
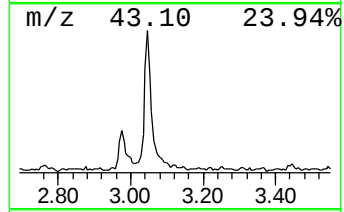
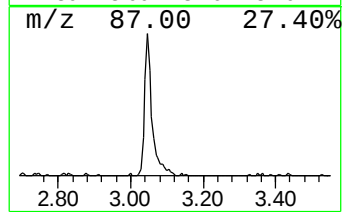
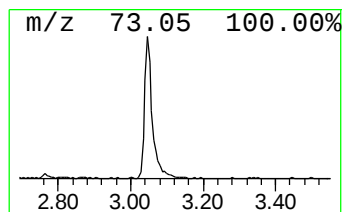
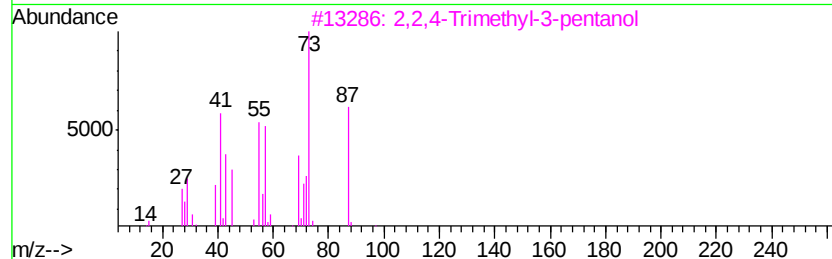
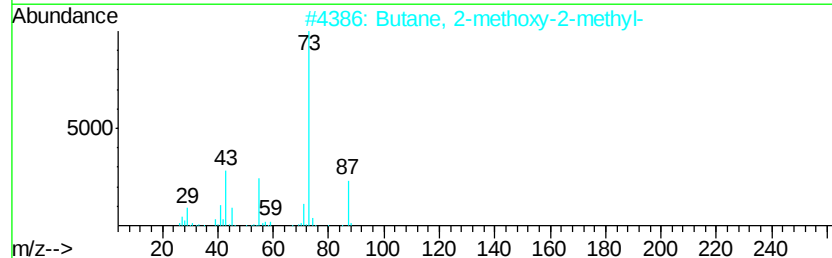
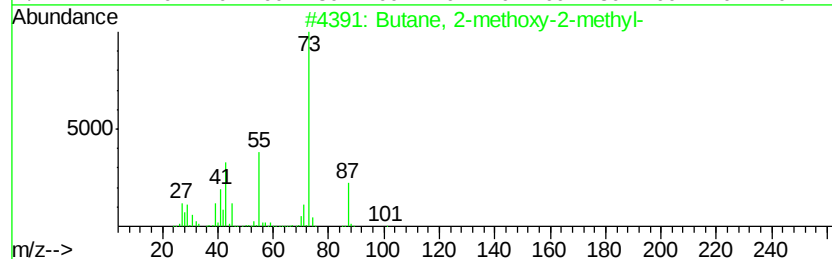
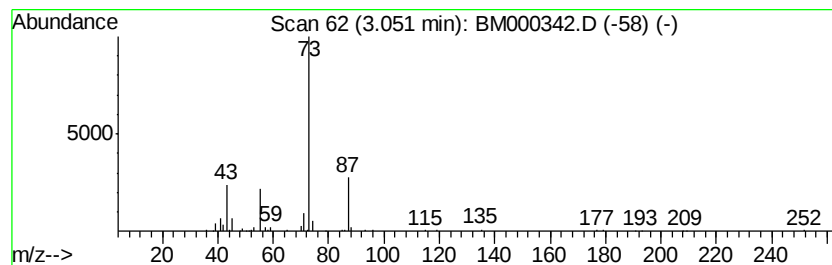
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM012315.M  
Quant Title : SVOA CALIBRATION

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. |
|------|-------------|--------|------------------------|------|
| 3.05 | 11.21 ng/ul | 396355 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 33   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.05 | 11.2    | ng/ul | 396355   | 1                     | 7.81 | 707173 | 20.0 |