

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081915\  
 Data File : BG018474.D  
 Acq On : 19 Aug 2015 15:06  
 Operator : UM/MA  
 Sample : G3302-07  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0544

## 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-BG080915.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         | 2.893       | 5             | 9           | 17           | rVB      | 64900          | 104816        | 2.70%           | 0.279%        |
| 2         | 3.116       | 41            | 47          | 54           | rBV      | 149471         | 278806        | 7.19%           | 0.743%        |
| 3         | 3.187       | 54            | 59          | 73           | rVB      | 1601028        | 2332126       | 60.16%          | 6.212%        |
| 4         | 3.445       | 101           | 103         | 108          | rVB6     | 6730           | 6979          | 0.18%           | 0.019%        |
| 5         | 4.203       | 229           | 232         | 236          | rVB3     | 5347           | 6306          | 0.16%           | 0.017%        |
| 6         | 5.966       | 528           | 532         | 535          | rBV4     | 5405           | 7104          | 0.18%           | 0.019%        |
| 7         | 6.365       | 597           | 600         | 603          | rBV3     | 3396           | 5484          | 0.14%           | 0.015%        |
| 8         | 6.395       | 603           | 605         | 608          | rBV4     | 4870           | 5734          | 0.15%           | 0.015%        |
| 9         | 6.894       | 687           | 690         | 692          | rVB2     | 5815           | 6114          | 0.16%           | 0.016%        |
| 10        | 7.017       | 707           | 711         | 716          | rVB6     | 7859           | 12589         | 0.32%           | 0.034%        |
| 11        | 7.170       | 731           | 737         | 746          | rBV2     | 97974          | 167435        | 4.32%           | 0.446%        |
| 12        | 7.335       | 758           | 765         | 773          | rBV      | 392717         | 667538        | 17.22%          | 1.778%        |
| 13        | 7.546       | 794           | 801         | 813          | rBV      | 382841         | 651167        | 16.80%          | 1.734%        |
| 14        | 7.910       | 860           | 863         | 869          | rVB5     | 3640           | 5166          | 0.13%           | 0.014%        |
| 15        | 8.016       | 873           | 881         | 887          | rVV      | 408094         | 689369        | 17.78%          | 1.836%        |
| 16        | 8.251       | 918           | 921         | 930          | rVB9     | 6122           | 13900         | 0.36%           | 0.037%        |
| 17        | 8.715       | 992           | 1000        | 1010         | rBV      | 308130         | 543401        | 14.02%          | 1.447%        |
| 18        | 8.839       | 1019          | 1021        | 1025         | rVB5     | 4870           | 5389          | 0.14%           | 0.014%        |
| 19        | 8.903       | 1025          | 1032        | 1033         | rBV5     | 5248           | 9267          | 0.24%           | 0.025%        |
| 20        | 9.168       | 1069          | 1077        | 1085         | rBV      | 476697         | 840662        | 21.69%          | 2.239%        |
| 21        | 9.544       | 1138          | 1141        | 1146         | rBV6     | 4315           | 6259          | 0.16%           | 0.017%        |
| 22        | 9.896       | 1193          | 1201        | 1210         | rBV      | 377701         | 663673        | 17.12%          | 1.768%        |
| 23        | 10.437      | 1285          | 1293        | 1302         | rBV      | 592731         | 1038302       | 26.78%          | 2.766%        |
| 24        | 10.501      | 1302          | 1304        | 1307         | rVB3     | 6765           | 7709          | 0.20%           | 0.021%        |
| 25        | 10.531      | 1307          | 1309        | 1311         | rBV3     | 4989           | 6136          | 0.16%           | 0.016%        |
| 26        | 10.695      | 1332          | 1337        | 1339         | rBV5     | 4916           | 8440          | 0.22%           | 0.022%        |
| 27        | 10.819      | 1351          | 1358        | 1366         | rVB      | 614622         | 1082616       | 27.93%          | 2.884%        |
| 28        | 10.948      | 1374          | 1380        | 1386         | rBV4     | 14031          | 19503         | 0.50%           | 0.052%        |
| 29        | 11.301      | 1437          | 1440        | 1444         | rBV4     | 3045           | 5464          | 0.14%           | 0.015%        |
| 30        | 12.100      | 1573          | 1576        | 1579         | rVB3     | 8799           | 10755         | 0.28%           | 0.029%        |
| 31        | 12.623      | 1660          | 1665        | 1666         | rBV5     | 5594           | 8057          | 0.21%           | 0.021%        |
| 32        | 13.151      | 1751          | 1755        | 1758         | rBV4     | 3167           | 6398          | 0.17%           | 0.017%        |
| 33        | 14.039      | 1898          | 1906        | 1915         | rVB      | 1177058        | 1792153       | 46.23%          | 4.774%        |
| 34        | 14.332      | 1949          | 1956        | 1964         | rVB      | 1450698        | 2246930       | 57.96%          | 5.985%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 14.644 | 2001 | 2009 | 2016 | rBV2 | 1017023 | 1674820 | 43.20%  | 4.461%  |
| 36 | 14.826 | 2034 | 2040 | 2049 | rBV  | 112365  | 201826  | 5.21%   | 0.538%  |
| 37 | 15.631 | 2169 | 2177 | 2183 | rBV  | 1898804 | 2900765 | 74.83%  | 7.727%  |
| 38 | 15.678 | 2183 | 2185 | 2189 | rVV  | 16748   | 21769   | 0.56%   | 0.058%  |
| 39 | 15.737 | 2189 | 2195 | 2202 | rVV  | 496938  | 723277  | 18.66%  | 1.927%  |
| 40 | 15.801 | 2205 | 2206 | 2210 | rVB4 | 5331    | 5522    | 0.14%   | 0.015%  |
| 41 | 15.866 | 2214 | 2217 | 2223 | rVB4 | 15962   | 23776   | 0.61%   | 0.063%  |
| 42 | 16.118 | 2255 | 2260 | 2263 | rBV6 | 2682    | 5483    | 0.14%   | 0.015%  |
| 43 | 16.312 | 2286 | 2293 | 2305 | rBV3 | 50683   | 187196  | 4.83%   | 0.499%  |
| 44 | 16.588 | 2335 | 2340 | 2344 | rVB7 | 7159    | 10370   | 0.27%   | 0.028%  |
| 45 | 17.170 | 2435 | 2439 | 2444 | rBV3 | 7998    | 13546   | 0.35%   | 0.036%  |
| 46 | 17.382 | 2468 | 2475 | 2482 | rBV2 | 1457335 | 2210078 | 57.01%  | 5.887%  |
| 47 | 17.482 | 2485 | 2492 | 2501 | rVV  | 2223951 | 3332869 | 85.97%  | 8.878%  |
| 48 | 17.564 | 2503 | 2506 | 2510 | rVB5 | 7071    | 11792   | 0.30%   | 0.031%  |
| 49 | 18.140 | 2602 | 2604 | 2606 | rVB3 | 7356    | 5319    | 0.14%   | 0.014%  |
| 50 | 18.269 | 2621 | 2626 | 2629 | rBV7 | 26466   | 37133   | 0.96%   | 0.099%  |
| 51 | 18.369 | 2635 | 2643 | 2648 | rBV2 | 33698   | 47862   | 1.23%   | 0.127%  |
| 52 | 18.610 | 2681 | 2684 | 2689 | rVB7 | 5583    | 8852    | 0.23%   | 0.024%  |
| 53 | 18.780 | 2709 | 2713 | 2714 | rBV3 | 4704    | 5712    | 0.15%   | 0.015%  |
| 54 | 18.892 | 2729 | 2732 | 2736 | rVB5 | 5807    | 9135    | 0.24%   | 0.024%  |
| 55 | 18.939 | 2736 | 2740 | 2743 | rBV4 | 4479    | 7201    | 0.19%   | 0.019%  |
| 56 | 19.326 | 2804 | 2806 | 2811 | rVB6 | 8362    | 13729   | 0.35%   | 0.037%  |
| 57 | 19.532 | 2840 | 2841 | 2846 | rBV4 | 11913   | 18063   | 0.47%   | 0.048%  |
| 58 | 19.650 | 2858 | 2861 | 2866 | rVB2 | 26083   | 38342   | 0.99%   | 0.102%  |
| 59 | 19.761 | 2874 | 2880 | 2893 | rBV  | 2684405 | 3876625 | 100.00% | 10.326% |
| 60 | 19.937 | 2908 | 2910 | 2913 | rBV4 | 6001    | 6151    | 0.16%   | 0.016%  |
| 61 | 20.660 | 3031 | 3033 | 3035 | rBV3 | 7315    | 6841    | 0.18%   | 0.018%  |
| 62 | 21.641 | 3193 | 3200 | 3212 | rVB  | 1587285 | 2596120 | 66.97%  | 6.915%  |
| 63 | 23.927 | 3587 | 3589 | 3590 | rBV2 | 12754   | 11045   | 0.28%   | 0.029%  |
| 64 | 24.620 | 3696 | 3707 | 3721 | rVB  | 1339956 | 3628028 | 93.59%  | 9.664%  |
| 65 | 24.838 | 3734 | 3744 | 3760 | rVB3 | 905565  | 2622087 | 67.64%  | 6.984%  |
| 66 | 25.995 | 3939 | 3941 | 3942 | rBV2 | 15011   | 11624   | 0.30%   | 0.031%  |
| 67 | 27.194 | 4143 | 4145 | 4146 | rBV2 | 12055   | 7749    | 0.20%   | 0.021%  |

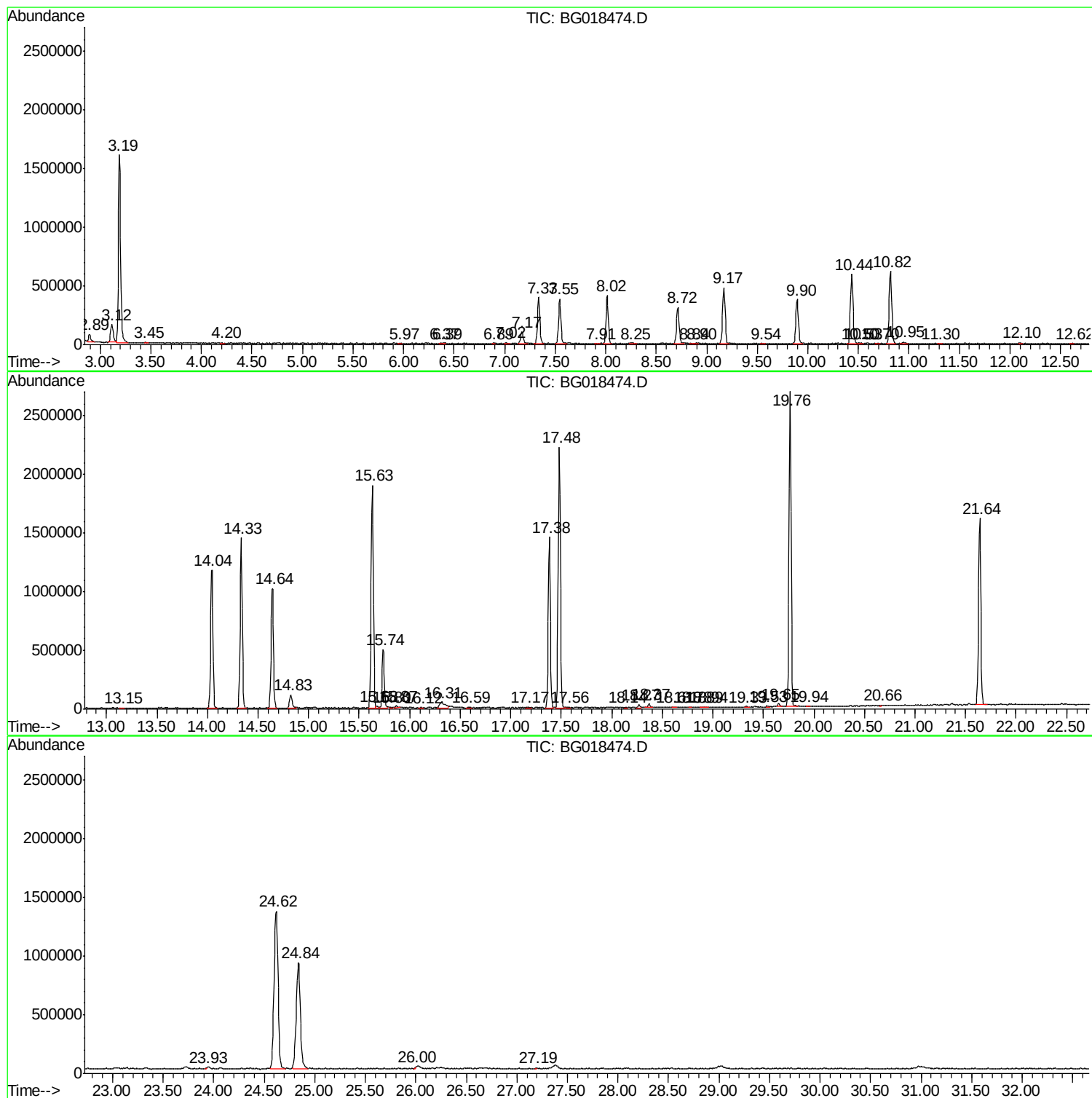
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

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



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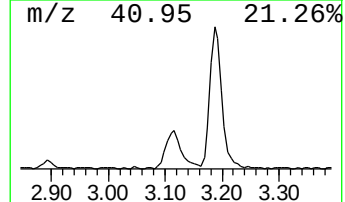
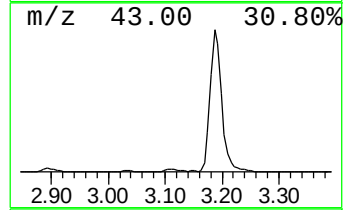
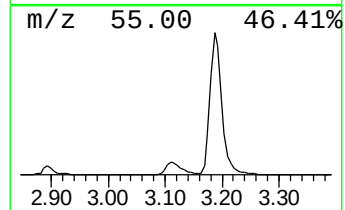
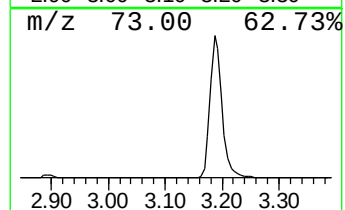
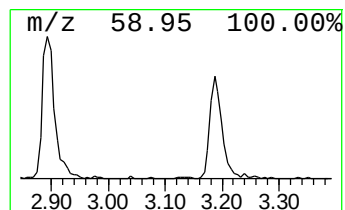
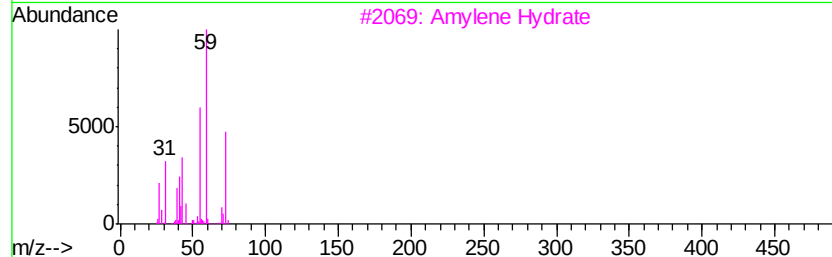
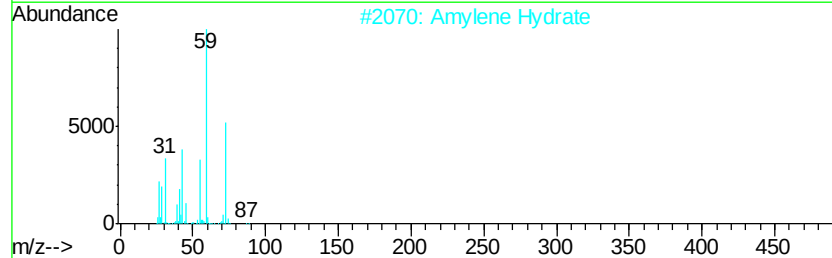
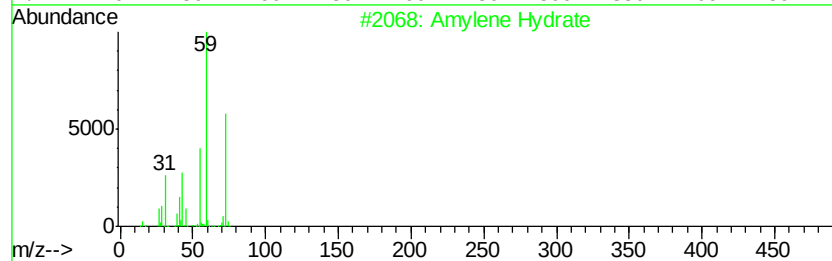
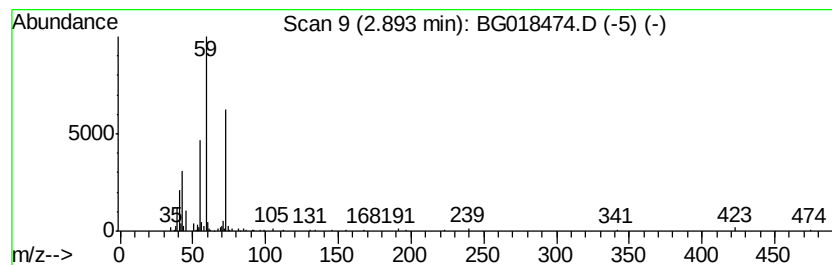
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Amylene Hydrate Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.89 | 3.04 ng/ul | 104816 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Amylene Hydrate       | 88  | C5H12O  | 000075-85-4 | 78   |
| 2    |    | Amylene Hydrate       | 88  | C5H12O  | 000075-85-4 | 72   |
| 3    |    | Amylene Hydrate       | 88  | C5H12O  | 000075-85-4 | 64   |
| 4    |    | 3-Pentanol, 2-methyl- | 102 | C6H14O  | 000565-67-3 | 43   |
| 5    |    | 3-Pentanol, 2-methyl- | 102 | C6H14O  | 000565-67-3 | 40   |



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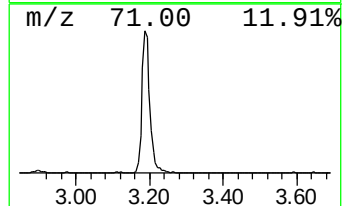
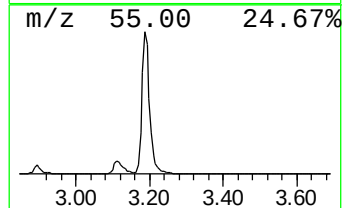
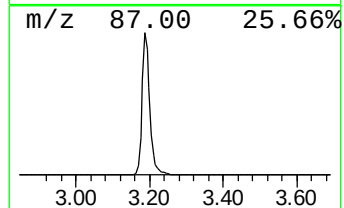
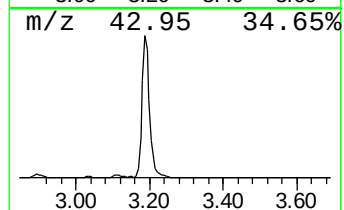
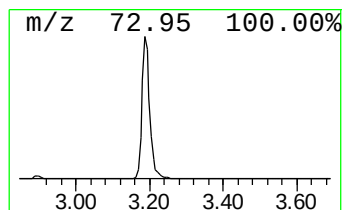
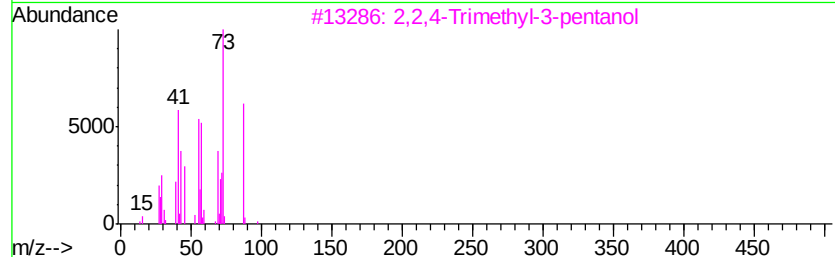
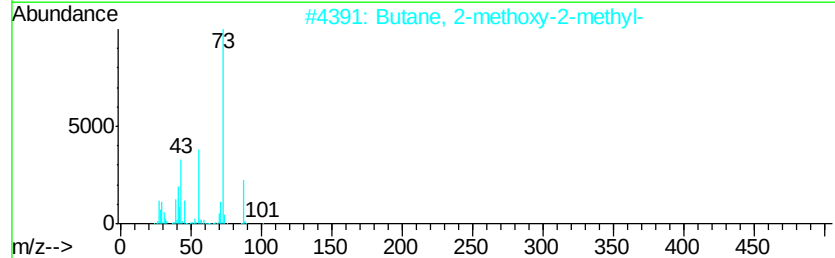
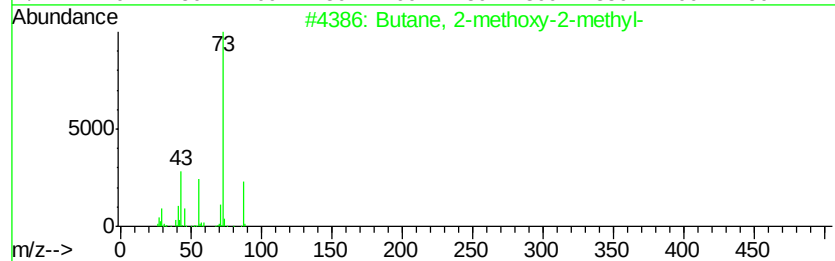
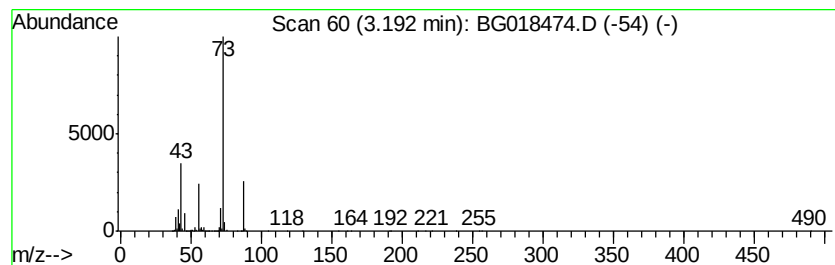
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Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.19 | 67.66 ng/ul | 2332130 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 74   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 56   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Amylene Hydrate      | 2.89 | 3.0     | ng/ul | 104816   | 1                     | 8.02 | 689369 | 20.0 |
| Butane, 2-methoxy... | 3.19 | 67.7    | ng/ul | 2332130  | 1                     | 8.02 | 689369 | 20.0 |