

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080817\  
 Data File : BG028215.D  
 Acq On : 9 Aug 2017 7:35  
 Operator : SJ/JU  
 Sample : I4557-07  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AJ0

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.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         | 3.840       | 36            | 43          | 48           | rBV3     | 11158          | 18000         | 0.96%           | 0.104%        |
| 2         | 5.550       | 328           | 334         | 339          | rBV4     | 9717           | 16933         | 0.90%           | 0.098%        |
| 3         | 6.191       | 434           | 443         | 448          | rVB4     | 6074           | 11904         | 0.63%           | 0.069%        |
| 4         | 6.326       | 460           | 466         | 473          | rVB6     | 7300           | 14538         | 0.78%           | 0.084%        |
| 5         | 6.561       | 501           | 506         | 514          | rBV3     | 4031           | 8585          | 0.46%           | 0.050%        |
| 6         | 7.078       | 583           | 594         | 603          | rBV5     | 8721           | 23179         | 1.24%           | 0.135%        |
| 7         | 7.501       | 659           | 666         | 679          | rBV      | 58698          | 113494        | 6.05%           | 0.659%        |
| 8         | 7.671       | 687           | 695         | 702          | rBV      | 145003         | 251598        | 13.42%          | 1.461%        |
| 9         | 7.747       | 703           | 708         | 714          | rVB7     | 6809           | 13984         | 0.75%           | 0.081%        |
| 10        | 7.889       | 714           | 732         | 739          | rBV      | 162641         | 318731        | 17.00%          | 1.850%        |
| 11        | 7.953       | 741           | 743         | 753          | rVB8     | 6873           | 10268         | 0.55%           | 0.060%        |
| 12        | 8.082       | 759           | 765         | 769          | rBV4     | 8868           | 16926         | 0.90%           | 0.098%        |
| 13        | 8.153       | 773           | 777         | 785          | rVB7     | 4708           | 9553          | 0.51%           | 0.055%        |
| 14        | 8.359       | 799           | 812         | 820          | rBV      | 143124         | 269239        | 14.36%          | 1.563%        |
| 15        | 8.588       | 846           | 851         | 857          | rVV5     | 4782           | 11339         | 0.60%           | 0.066%        |
| 16        | 8.658       | 857           | 863         | 871          | rVB4     | 8018           | 15385         | 0.82%           | 0.089%        |
| 17        | 8.758       | 871           | 880         | 887          | rBV5     | 6084           | 13850         | 0.74%           | 0.080%        |
| 18        | 9.046       | 915           | 929         | 939          | rBV2     | 158910         | 314193        | 16.76%          | 1.824%        |
| 19        | 9.181       | 946           | 952         | 958          | rVB6     | 6416           | 10887         | 0.58%           | 0.063%        |
| 20        | 9.375       | 979           | 985         | 989          | rVB5     | 5416           | 10257         | 0.55%           | 0.060%        |
| 21        | 9.457       | 989           | 999         | 1003         | rBV7     | 17383          | 49363         | 2.63%           | 0.287%        |
| 22        | 9.522       | 1003          | 1010        | 1020         | rVB      | 208475         | 396155        | 21.13%          | 2.300%        |
| 23        | 9.816       | 1054          | 1060        | 1070         | rVB9     | 6222           | 18240         | 0.97%           | 0.106%        |
| 24        | 9.898       | 1070          | 1074        | 1084         | rBV7     | 6565           | 14489         | 0.77%           | 0.084%        |
| 25        | 10.245      | 1121          | 1133        | 1142         | rBV      | 189464         | 377113        | 20.11%          | 2.189%        |
| 26        | 10.327      | 1142          | 1147        | 1155         | rBV6     | 8995           | 25753         | 1.37%           | 0.150%        |
| 27        | 10.438      | 1161          | 1166        | 1174         | rVB4     | 14777          | 27005         | 1.44%           | 0.157%        |
| 28        | 10.785      | 1211          | 1225        | 1233         | rVV      | 282347         | 559266        | 29.83%          | 3.247%        |
| 29        | 10.844      | 1233          | 1235        | 1244         | rVB6     | 10481          | 19697         | 1.05%           | 0.114%        |
| 30        | 10.961      | 1249          | 1255        | 1258         | rBV5     | 6628           | 10960         | 0.58%           | 0.064%        |
| 31        | 11.091      | 1273          | 1277        | 1284         | rVB8     | 6196           | 15521         | 0.83%           | 0.090%        |
| 32        | 11.173      | 1284          | 1291        | 1308         | rVB      | 216722         | 422085        | 22.51%          | 2.450%        |
| 33        | 11.314      | 1308          | 1315        | 1321         | rBV10    | 5353           | 12639         | 0.67%           | 0.073%        |
| 34        | 11.514      | 1344          | 1349        | 1353         | rVB6     | 5590           | 9252          | 0.49%           | 0.054%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |       |        |         |        |        |
|----|--------|------|------|------|-------|--------|---------|--------|--------|
| 35 | 11.584 | 1357 | 1361 | 1368 | rBV9  | 7379   | 15532   | 0.83%  | 0.090% |
| 36 | 11.655 | 1368 | 1373 | 1378 | rVB7  | 5215   | 9962    | 0.53%  | 0.058% |
| 37 | 11.755 | 1385 | 1390 | 1394 | rVB7  | 5814   | 11668   | 0.62%  | 0.068% |
| 38 | 11.831 | 1396 | 1403 | 1412 | rBV7  | 6799   | 22878   | 1.22%  | 0.133% |
| 39 | 11.913 | 1412 | 1417 | 1425 | rVB6  | 8520   | 15784   | 0.84%  | 0.092% |
| 40 | 12.037 | 1432 | 1438 | 1441 | rBV5  | 4988   | 9166    | 0.49%  | 0.053% |
| 41 | 12.195 | 1457 | 1465 | 1471 | rBV10 | 7396   | 17281   | 0.92%  | 0.100% |
| 42 | 12.283 | 1478 | 1480 | 1490 | rVB9  | 5627   | 12219   | 0.65%  | 0.071% |
| 43 | 12.542 | 1520 | 1524 | 1529 | rVB7  | 7054   | 11632   | 0.62%  | 0.068% |
| 44 | 12.736 | 1553 | 1557 | 1561 | rBV6  | 6527   | 9503    | 0.51%  | 0.055% |
| 45 | 12.865 | 1574 | 1579 | 1584 | rBV7  | 17979  | 31386   | 1.67%  | 0.182% |
| 46 | 13.018 | 1600 | 1605 | 1608 | rBV5  | 9920   | 19571   | 1.04%  | 0.114% |
| 47 | 13.218 | 1632 | 1639 | 1646 | rBV5  | 7155   | 18373   | 0.98%  | 0.107% |
| 48 | 13.306 | 1652 | 1654 | 1659 | rBV5  | 5076   | 8189    | 0.44%  | 0.048% |
| 49 | 13.382 | 1662 | 1667 | 1670 | rBV7  | 4936   | 8645    | 0.46%  | 0.050% |
| 50 | 13.435 | 1670 | 1676 | 1682 | rVB9  | 10667  | 21143   | 1.13%  | 0.123% |
| 51 | 13.552 | 1690 | 1696 | 1706 | rVB10 | 12098  | 31547   | 1.68%  | 0.183% |
| 52 | 13.664 | 1706 | 1715 | 1720 | rBV10 | 9833   | 29183   | 1.56%  | 0.169% |
| 53 | 13.723 | 1720 | 1725 | 1731 | rVB8  | 8193   | 18999   | 1.01%  | 0.110% |
| 54 | 13.876 | 1748 | 1751 | 1755 | rVB6  | 7597   | 10251   | 0.55%  | 0.060% |
| 55 | 13.934 | 1755 | 1761 | 1765 | rBV6  | 15392  | 27888   | 1.49%  | 0.162% |
| 56 | 14.040 | 1773 | 1779 | 1782 | rVB8  | 5001   | 11389   | 0.61%  | 0.066% |
| 57 | 14.093 | 1783 | 1788 | 1791 | rBV5  | 18209  | 27924   | 1.49%  | 0.162% |
| 58 | 14.134 | 1792 | 1795 | 1800 | rVB5  | 15475  | 22179   | 1.18%  | 0.129% |
| 59 | 14.352 | 1822 | 1832 | 1838 | rBV   | 649664 | 978833  | 52.21% | 5.683% |
| 60 | 14.657 | 1877 | 1884 | 1895 | rVB   | 598555 | 1005613 | 53.63% | 5.838% |
| 61 | 14.780 | 1895 | 1905 | 1913 | rBV   | 9677   | 39424   | 2.10%  | 0.229% |
| 62 | 14.963 | 1927 | 1936 | 1944 | rBV3  | 378732 | 666295  | 35.54% | 3.868% |
| 63 | 15.151 | 1958 | 1968 | 1981 | rVB3  | 62302  | 154422  | 8.24%  | 0.896% |
| 64 | 15.286 | 1986 | 1991 | 1997 | rVB9  | 7684   | 15821   | 0.84%  | 0.092% |
| 65 | 15.362 | 2001 | 2004 | 2008 | rVB6  | 5385   | 8715    | 0.46%  | 0.051% |
| 66 | 15.503 | 2023 | 2028 | 2030 | rBV6  | 7125   | 12076   | 0.64%  | 0.070% |
| 67 | 15.668 | 2053 | 2056 | 2063 | rVB8  | 7522   | 10028   | 0.53%  | 0.058% |
| 68 | 15.726 | 2063 | 2066 | 2071 | rBV7  | 5481   | 8160    | 0.44%  | 0.047% |
| 69 | 15.885 | 2088 | 2093 | 2095 | rBV5  | 5905   | 9741    | 0.52%  | 0.057% |
| 70 | 15.950 | 2097 | 2104 | 2113 | rBV   | 845174 | 1345430 | 71.76% | 7.811% |
| 71 | 16.061 | 2117 | 2123 | 2130 | rBV   | 379772 | 561388  | 29.94% | 3.259% |

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|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 16.279 | 2153 | 2160 | 2163 | rBV6  | 12286   | 23522   | 1.25%   | 0.137%  |
| 73  | 16.619 | 2216 | 2218 | 2225 | rVB9  | 12200   | 16584   | 0.88%   | 0.096%  |
| 74  | 16.890 | 2259 | 2264 | 2270 | rBV9  | 6518    | 11951   | 0.64%   | 0.069%  |
| 75  | 17.001 | 2278 | 2283 | 2287 | rBV7  | 12931   | 21367   | 1.14%   | 0.124%  |
| 76  | 17.037 | 2287 | 2289 | 2294 | rBV6  | 5362    | 7951    | 0.42%   | 0.046%  |
| 77  | 17.254 | 2322 | 2326 | 2332 | rBV9  | 8088    | 15819   | 0.84%   | 0.092%  |
| 78  | 17.372 | 2339 | 2346 | 2350 | rVB10 | 7466    | 15608   | 0.83%   | 0.091%  |
| 79  | 17.419 | 2352 | 2354 | 2360 | rVB6  | 7401    | 9553    | 0.51%   | 0.055%  |
| 80  | 17.483 | 2361 | 2365 | 2372 | rVB10 | 12401   | 23715   | 1.26%   | 0.138%  |
| 81  | 17.571 | 2372 | 2380 | 2386 | rBV10 | 12190   | 35378   | 1.89%   | 0.205%  |
| 82  | 17.712 | 2396 | 2404 | 2413 | rBV2  | 536015  | 862473  | 46.00%  | 5.007%  |
| 83  | 17.812 | 2413 | 2421 | 2429 | rBV   | 970017  | 1529786 | 81.59%  | 8.881%  |
| 84  | 18.030 | 2455 | 2458 | 2465 | rVB8  | 8475    | 15258   | 0.81%   | 0.089%  |
| 85  | 18.558 | 2544 | 2548 | 2558 | rBV9  | 28954   | 62268   | 3.32%   | 0.361%  |
| 86  | 19.087 | 2635 | 2638 | 2641 | rVB4  | 6600    | 7943    | 0.42%   | 0.046%  |
| 87  | 19.716 | 2740 | 2745 | 2750 | rBV2  | 16013   | 27265   | 1.45%   | 0.158%  |
| 88  | 19.816 | 2758 | 2762 | 2770 | rBV7  | 25995   | 44840   | 2.39%   | 0.260%  |
| 89  | 19.974 | 2783 | 2789 | 2795 | rBV3  | 11870   | 23367   | 1.25%   | 0.136%  |
| 90  | 20.086 | 2799 | 2808 | 2815 | rVB   | 1214087 | 1874958 | 100.00% | 10.885% |
| 91  | 21.373 | 3024 | 3027 | 3029 | rBV4  | 9471    | 11668   | 0.62%   | 0.068%  |
| 92  | 22.043 | 3132 | 3141 | 3150 | rVB   | 555096  | 1012559 | 54.00%  | 5.878%  |
| 93  | 23.600 | 3400 | 3406 | 3415 | rVB   | 8535    | 22390   | 1.19%   | 0.130%  |
| 94  | 24.322 | 3524 | 3529 | 3534 | rBV7  | 8523    | 17770   | 0.95%   | 0.103%  |
| 95  | 24.469 | 3548 | 3554 | 3564 | rVB10 | 9561    | 23226   | 1.24%   | 0.135%  |
| 96  | 25.303 | 3683 | 3696 | 3719 | rVB   | 574471  | 1758908 | 93.81%  | 10.211% |
| 97  | 25.544 | 3724 | 3737 | 3753 | rVB2  | 305462  | 970222  | 51.75%  | 5.633%  |
| 98  | 26.731 | 3930 | 3939 | 3948 | rVB9  | 13206   | 43009   | 2.29%   | 0.250%  |
| 99  | 28.206 | 4179 | 4190 | 4202 | rBV5  | 17118   | 56738   | 3.03%   | 0.329%  |
| 100 | 29.951 | 4483 | 4487 | 4489 | rBV5  | 7618    | 10467   | 0.56%   | 0.061%  |

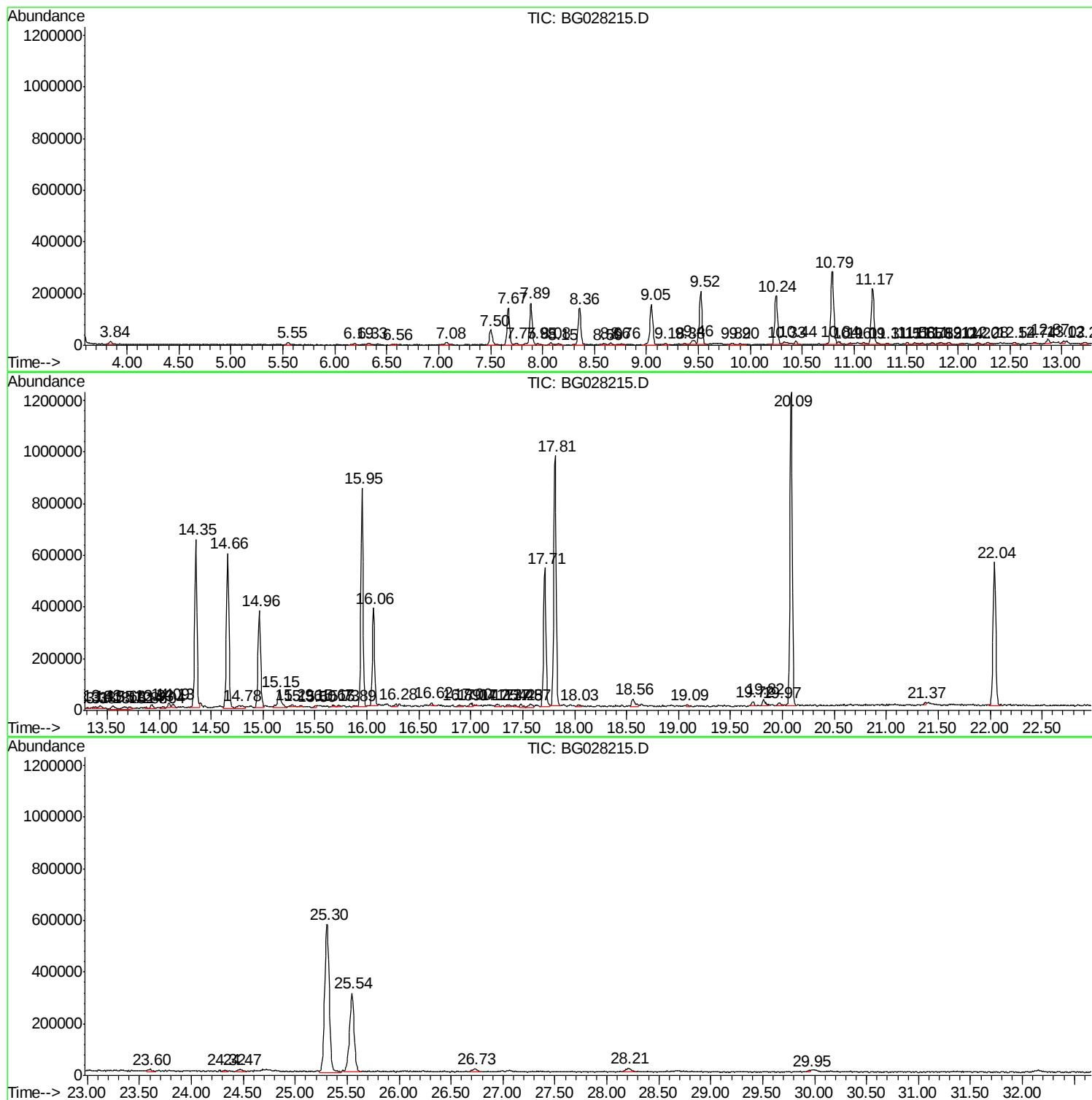
Sum of corrected areas: 17225182

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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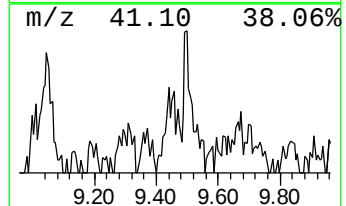
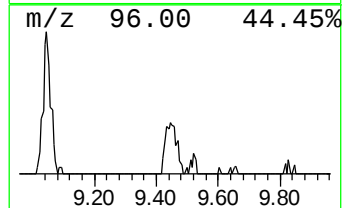
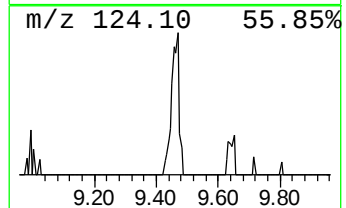
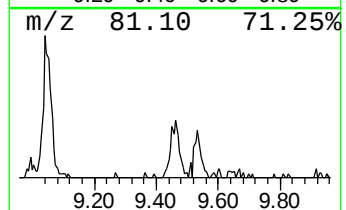
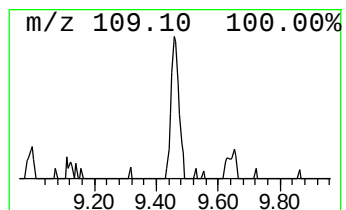
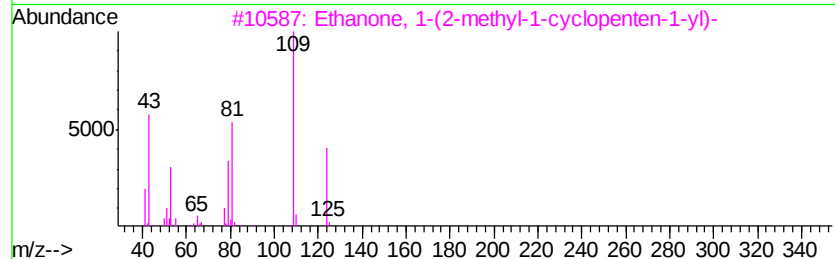
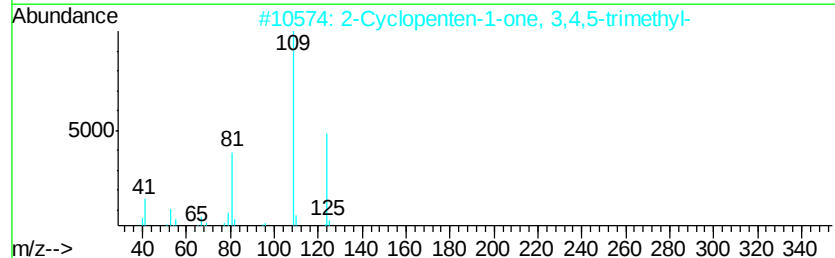
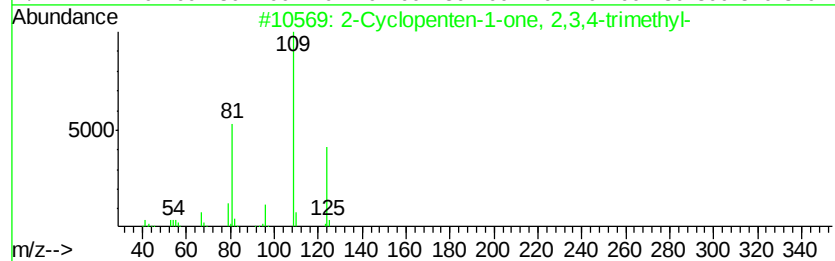
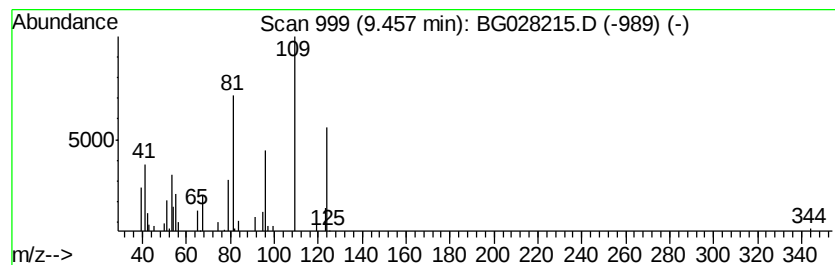
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Cyclopenten-1-one, 2,3,4-... Concentration Rank 1

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 9.46 | 3.67 ng/ul | 49363 | 1,4-Dichlorobenzene-d4 | 8.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O  | 028790-86-5 | 52   |
| 2    |    | 2-Cyclopenten-1-one, 3,4,5-trime... | 124 | C8H12O  | 055683-21-1 | 50   |
| 3    |    | Ethanone, 1-(2-methyl-1-cyclopen... | 124 | C8H12O  | 003168-90-9 | 46   |
| 4    |    | Ethanone, 1-(1-cyclohexen-1-yl)-    | 124 | C8H12O  | 000932-66-1 | 46   |
| 5    |    | Ethanone, 1-(2-methyl-1-cyclopen... | 124 | C8H12O  | 003168-90-9 | 43   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Cyclopenten-1-o... | 9.46 | 3.7     | ng/ul | 49363    | 1                     | 8.36 | 269239 | 20.0 |