

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120616\  
 Data File : BG024992.D  
 Acq On : 6 Dec 2016 23:02  
 Operator : UM/SJ  
 Sample : H5843-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AH3

## 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\SOM02.2-EPA-BG113016.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         | 3.601       | 125           | 130         | 135          | rVB7     | 11801          | 25453         | 0.56%           | 0.063%        |
| 2         | 3.989       | 193           | 196         | 199          | rVB5     | 5353           | 9061          | 0.20%           | 0.022%        |
| 3         | 4.159       | 223           | 225         | 228          | rVB3     | 8165           | 8907          | 0.19%           | 0.022%        |
| 4         | 4.359       | 256           | 259         | 264          | rVB6     | 6160           | 9107          | 0.20%           | 0.023%        |
| 5         | 4.694       | 311           | 316         | 319          | rBV6     | 8517           | 13239         | 0.29%           | 0.033%        |
| 6         | 4.905       | 351           | 352         | 359          | rVB4     | 7314           | 9817          | 0.21%           | 0.024%        |
| 7         | 4.958       | 359           | 361         | 367          | rVB4     | 9628           | 11894         | 0.26%           | 0.029%        |
| 8         | 5.593       | 465           | 469         | 471          | rVB4     | 6729           | 8091          | 0.18%           | 0.020%        |
| 9         | 5.628       | 471           | 475         | 478          | rBV5     | 5453           | 8883          | 0.19%           | 0.022%        |
| 10        | 5.734       | 492           | 493         | 497          | rVB3     | 8268           | 7404          | 0.16%           | 0.018%        |
| 11        | 5.822       | 502           | 508         | 509          | rVB4     | 7613           | 11335         | 0.25%           | 0.028%        |
| 12        | 5.922       | 524           | 525         | 532          | rVB5     | 5328           | 9026          | 0.20%           | 0.022%        |
| 13        | 6.251       | 574           | 581         | 584          | rBV4     | 10220          | 14801         | 0.32%           | 0.037%        |
| 14        | 6.433       | 609           | 612         | 616          | rVB5     | 7430           | 10256         | 0.22%           | 0.025%        |
| 15        | 6.639       | 643           | 647         | 653          | rVV6     | 5527           | 10719         | 0.23%           | 0.027%        |
| 16        | 7.032       | 713           | 714         | 720          | rBV5     | 6200           | 10356         | 0.23%           | 0.026%        |
| 17        | 7.097       | 724           | 725         | 732          | rBV4     | 5845           | 8013          | 0.18%           | 0.020%        |
| 18        | 7.303       | 754           | 760         | 764          | rBV4     | 11662          | 23404         | 0.51%           | 0.058%        |
| 19        | 7.379       | 767           | 773         | 787          | rBV2     | 100910         | 205502        | 4.49%           | 0.509%        |
| 20        | 7.555       | 791           | 803         | 813          | rBV      | 317331         | 581099        | 12.70%          | 1.440%        |
| 21        | 7.667       | 817           | 822         | 826          | rVB6     | 6489           | 12225         | 0.27%           | 0.030%        |
| 22        | 7.767       | 830           | 839         | 850          | rBV2     | 369059         | 654480        | 14.31%          | 1.622%        |
| 23        | 8.066       | 885           | 890         | 892          | rBV5     | 4821           | 7372          | 0.16%           | 0.018%        |
| 24        | 8.243       | 913           | 920         | 931          | rBV2     | 371522         | 647790        | 14.16%          | 1.605%        |
| 25        | 8.454       | 951           | 956         | 964          | rVB9     | 10304          | 25578         | 0.56%           | 0.063%        |
| 26        | 8.707       | 998           | 999         | 1005         | rBV4     | 7902           | 14538         | 0.32%           | 0.036%        |
| 27        | 8.766       | 1005          | 1009        | 1012         | rVB4     | 5734           | 8550          | 0.19%           | 0.021%        |
| 28        | 8.936       | 1026          | 1038        | 1047         | rBV2     | 308944         | 590156        | 12.90%          | 1.463%        |
| 29        | 9.030       | 1052          | 1054        | 1061         | rVB7     | 5653           | 7370          | 0.16%           | 0.018%        |
| 30        | 9.418       | 1111          | 1120        | 1132         | rBV      | 473396         | 867536        | 18.96%          | 2.150%        |
| 31        | 9.612       | 1147          | 1153        | 1155         | rVB4     | 6480           | 10496         | 0.23%           | 0.026%        |
| 32        | 9.753       | 1170          | 1177        | 1181         | rVB6     | 5969           | 12020         | 0.26%           | 0.030%        |
| 33        | 10.041      | 1223          | 1226        | 1232         | rVV4     | 3881           | 8086          | 0.18%           | 0.020%        |
| 34        | 10.146      | 1235          | 1244        | 1251         | rBV3     | 409018         | 773212        | 16.90%          | 1.916%        |

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 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

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 Stop Thrs : 0

Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.405 | 1283 | 1288 | 1293 | rBV7 | 6128    | 8640    | 0.19%  | 0.021% |
| 36 | 10.505 | 1301 | 1305 | 1306 | rBV3 | 5973    | 7392    | 0.16%  | 0.018% |
| 37 | 10.522 | 1306 | 1308 | 1312 | rVB4 | 6403    | 7542    | 0.16%  | 0.019% |
| 38 | 10.681 | 1326 | 1335 | 1349 | rBV2 | 512935  | 1021846 | 22.33% | 2.533% |
| 39 | 10.928 | 1372 | 1377 | 1380 | rBV5 | 5312    | 7514    | 0.16%  | 0.019% |
| 40 | 11.069 | 1390 | 1401 | 1411 | rBV  | 501561  | 921419  | 20.14% | 2.284% |
| 41 | 11.750 | 1509 | 1517 | 1521 | rBV7 | 7538    | 11592   | 0.25%  | 0.029% |
| 42 | 12.643 | 1663 | 1669 | 1674 | rBV4 | 15303   | 27317   | 0.60%  | 0.068% |
| 43 | 12.755 | 1684 | 1688 | 1691 | rBV4 | 5699    | 8956    | 0.20%  | 0.022% |
| 44 | 13.014 | 1726 | 1732 | 1738 | rBV7 | 3799    | 7596    | 0.17%  | 0.019% |
| 45 | 13.119 | 1743 | 1750 | 1752 | rBV5 | 5292    | 8097    | 0.18%  | 0.020% |
| 46 | 13.290 | 1776 | 1779 | 1784 | rBV4 | 4782    | 7822    | 0.17%  | 0.019% |
| 47 | 14.036 | 1903 | 1906 | 1908 | rBV3 | 6825    | 8071    | 0.18%  | 0.020% |
| 48 | 14.253 | 1936 | 1943 | 1950 | rBV  | 1297575 | 1892412 | 41.36% | 4.690% |
| 49 | 14.312 | 1950 | 1953 | 1959 | rVB6 | 9202    | 14076   | 0.31%  | 0.035% |
| 50 | 14.559 | 1987 | 1995 | 2005 | rBV  | 1252659 | 2044634 | 44.69% | 5.067% |
| 51 | 14.629 | 2005 | 2007 | 2010 | rVV3 | 7307    | 8383    | 0.18%  | 0.021% |
| 52 | 14.864 | 2039 | 2047 | 2057 | rVB  | 907940  | 1487010 | 32.50% | 3.685% |
| 53 | 15.046 | 2069 | 2078 | 2095 | rBV3 | 116542  | 253628  | 5.54%  | 0.629% |
| 54 | 15.616 | 2172 | 2175 | 2178 | rVB4 | 8543    | 10625   | 0.23%  | 0.026% |
| 55 | 15.751 | 2193 | 2198 | 2202 | rVB4 | 7263    | 8430    | 0.18%  | 0.021% |
| 56 | 15.851 | 2202 | 2215 | 2223 | rBV  | 1841511 | 2836919 | 62.01% | 7.031% |
| 57 | 15.963 | 2226 | 2234 | 2250 | rVV  | 774702  | 1238056 | 27.06% | 3.068% |
| 58 | 16.086 | 2250 | 2255 | 2268 | rVV6 | 29304   | 56061   | 1.23%  | 0.139% |
| 59 | 16.186 | 2268 | 2272 | 2277 | rVV4 | 7989    | 9270    | 0.20%  | 0.023% |
| 60 | 16.222 | 2277 | 2278 | 2283 | rVB3 | 8919    | 10550   | 0.23%  | 0.026% |
| 61 | 16.257 | 2283 | 2284 | 2290 | rBV4 | 6610    | 11957   | 0.26%  | 0.030% |
| 62 | 16.298 | 2290 | 2291 | 2297 | rVV5 | 6613    | 7934    | 0.17%  | 0.020% |
| 63 | 16.351 | 2297 | 2300 | 2303 | rVB5 | 6777    | 7538    | 0.16%  | 0.019% |
| 64 | 16.650 | 2350 | 2351 | 2356 | rVB3 | 7944    | 7849    | 0.17%  | 0.019% |
| 65 | 16.791 | 2371 | 2375 | 2387 | rVB3 | 37062   | 72340   | 1.58%  | 0.179% |
| 66 | 16.991 | 2406 | 2409 | 2411 | rVB4 | 8020    | 7529    | 0.16%  | 0.019% |
| 67 | 17.073 | 2421 | 2423 | 2429 | rBV6 | 10394   | 19381   | 0.42%  | 0.048% |
| 68 | 17.179 | 2435 | 2441 | 2448 | rBV8 | 5737    | 15537   | 0.34%  | 0.039% |
| 69 | 17.279 | 2453 | 2458 | 2460 | rBV4 | 8494    | 9352    | 0.20%  | 0.023% |
| 70 | 17.391 | 2471 | 2477 | 2482 | rBV5 | 29095   | 50083   | 1.09%  | 0.124% |
| 71 | 17.549 | 2501 | 2504 | 2507 | rBV5 | 10209   | 11291   | 0.25%  | 0.028% |

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|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 17.602 | 2507 | 2513 | 2522 | rVV2  | 1350528 | 2184798 | 47.75%  | 5.415%  |
| 73  | 17.702 | 2522 | 2530 | 2545 | rVB   | 2189691 | 3508279 | 76.68%  | 8.695%  |
| 74  | 17.814 | 2545 | 2549 | 2550 | rBV4  | 6030    | 7928    | 0.17%   | 0.020%  |
| 75  | 17.931 | 2563 | 2569 | 2588 | rBV   | 368795  | 678249  | 14.82%  | 1.681%  |
| 76  | 18.108 | 2598 | 2599 | 2604 | rBV4  | 8810    | 10957   | 0.24%   | 0.027%  |
| 77  | 18.184 | 2609 | 2612 | 2616 | rBV4  | 8642    | 13564   | 0.30%   | 0.034%  |
| 78  | 18.237 | 2616 | 2621 | 2626 | rVB8  | 6391    | 15840   | 0.35%   | 0.039%  |
| 79  | 18.395 | 2642 | 2648 | 2651 | rBV8  | 4613    | 7642    | 0.17%   | 0.019%  |
| 80  | 18.525 | 2667 | 2670 | 2676 | rBV5  | 6443    | 9468    | 0.21%   | 0.023%  |
| 81  | 18.995 | 2747 | 2750 | 2754 | rBV4  | 8117    | 12979   | 0.28%   | 0.032%  |
| 82  | 19.036 | 2755 | 2757 | 2761 | rVB5  | 6529    | 9353    | 0.20%   | 0.023%  |
| 83  | 19.200 | 2784 | 2785 | 2789 | rVB4  | 8353    | 8060    | 0.18%   | 0.020%  |
| 84  | 19.535 | 2837 | 2842 | 2843 | rBV5  | 8237    | 10868   | 0.24%   | 0.027%  |
| 85  | 19.612 | 2849 | 2855 | 2863 | rVB2  | 42110   | 70314   | 1.54%   | 0.174%  |
| 86  | 19.817 | 2885 | 2890 | 2904 | rBV   | 404405  | 770232  | 16.84%  | 1.909%  |
| 87  | 19.976 | 2909 | 2917 | 2926 | rVB2  | 2978447 | 4565599 | 99.79%  | 11.315% |
| 88  | 20.399 | 2987 | 2989 | 2993 | rVB4  | 8762    | 10158   | 0.22%   | 0.025%  |
| 89  | 21.180 | 3119 | 3122 | 3124 | rBV4  | 16706   | 11393   | 0.25%   | 0.028%  |
| 90  | 21.327 | 3143 | 3147 | 3163 | rBV3  | 131169  | 286039  | 6.25%   | 0.709%  |
| 91  | 21.891 | 3235 | 3243 | 3255 | rVB   | 1644632 | 3032523 | 66.28%  | 7.516%  |
| 92  | 22.367 | 3322 | 3324 | 3327 | rBV4  | 20198   | 22850   | 0.50%   | 0.057%  |
| 93  | 23.084 | 3439 | 3446 | 3447 | rBV7  | 31433   | 69343   | 1.52%   | 0.172%  |
| 94  | 23.390 | 3495 | 3498 | 3508 | rVB10 | 30003   | 63678   | 1.39%   | 0.158%  |
| 95  | 24.224 | 3638 | 3640 | 3650 | rVB6  | 40512   | 77055   | 1.68%   | 0.191%  |
| 96  | 25.070 | 3772 | 3784 | 3799 | rBV3  | 1542585 | 4575120 | 100.00% | 11.339% |
| 97  | 25.229 | 3805 | 3811 | 3814 | rBV6  | 54803   | 116313  | 2.54%   | 0.288%  |
| 98  | 25.305 | 3814 | 3824 | 3839 | rVB2  | 976138  | 2990386 | 65.36%  | 7.411%  |
| 99  | 26.415 | 4008 | 4013 | 4023 | rVB6  | 59064   | 163592  | 3.58%   | 0.405%  |
| 100 | 27.843 | 4247 | 4256 | 4273 | rVB9  | 63534   | 265581  | 5.80%   | 0.658%  |

Sum of corrected areas: 40348586



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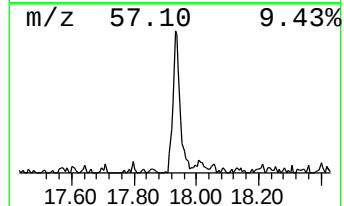
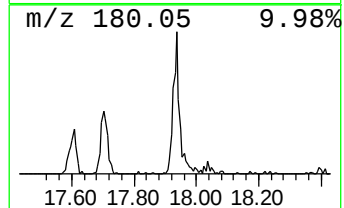
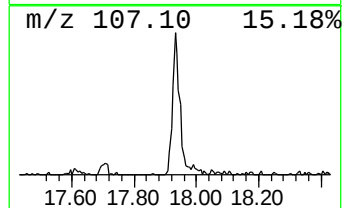
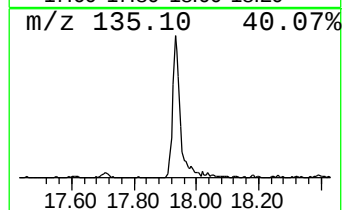
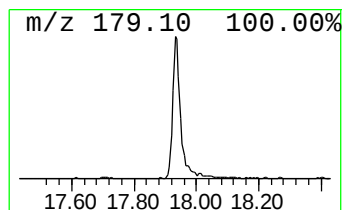
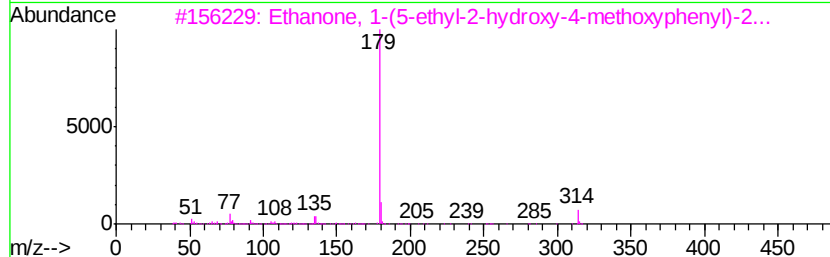
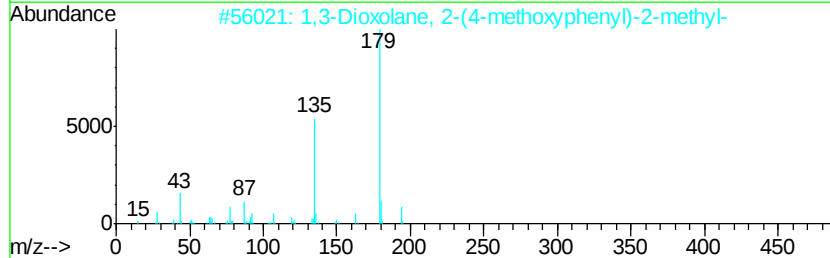
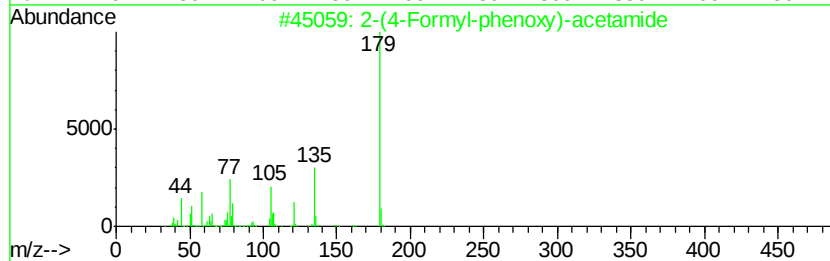
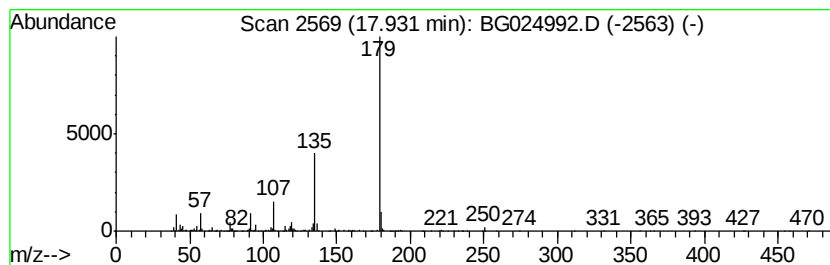
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-(4-Formyl-phenoxy)-acetamide Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.      |             |      |
|---------|------------|-------------------------------------|------------------|-----------|-------------|------|
| 17.93   | 6.21 ng/ul | 678249                              | Phenanthrene-d10 | 17.60     |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm   | CAS#        | Qual |
| 1       |            | 2-(4-Formyl-phenoxy)-acetamide      | 179              | C9H9NO3   | 135857-20-4 | 64   |
| 2       |            | 1,3-Dioxolane, 2-(4-methoxypheny... | 194              | C11H14O3  | 036881-00-2 | 56   |
| 3       |            | Ethanone, 1-(5-ethyl-2-hydroxy-4... | 314              | C18H18O5  | 170241-39-1 | 47   |
| 4       |            | 2,4-Dimethoxyphenyl isocyanate      | 179              | C9H9NO3   | 084370-87-6 | 43   |
| 5       |            | Acetic acid, [2-[(2-propenylamin... | 235              | C12H13NO4 | 000119-45-9 | 43   |



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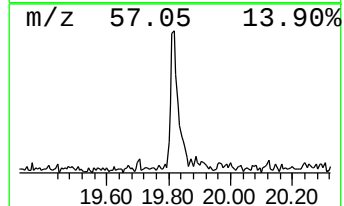
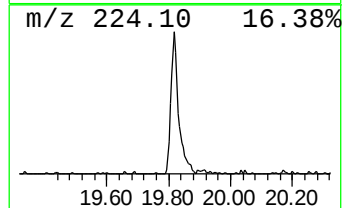
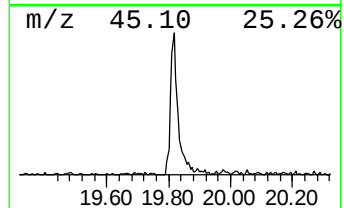
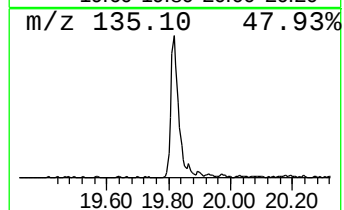
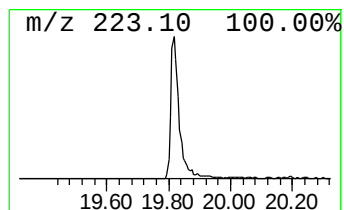
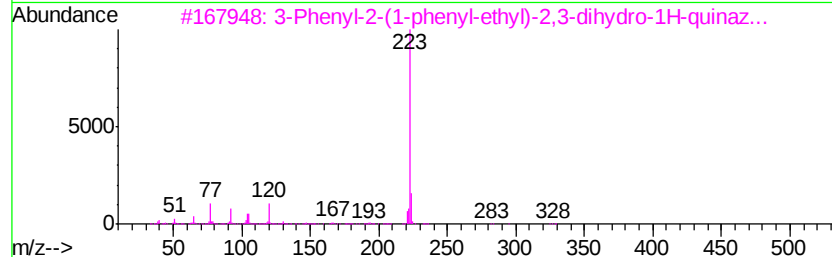
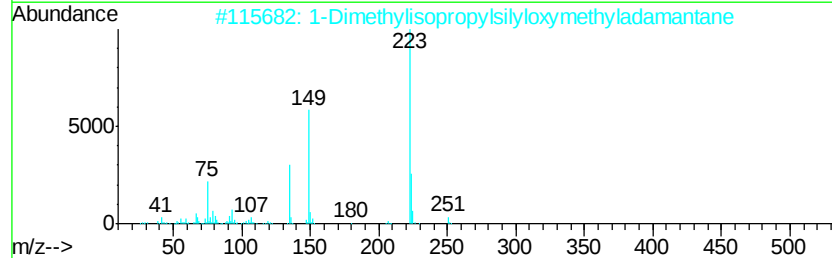
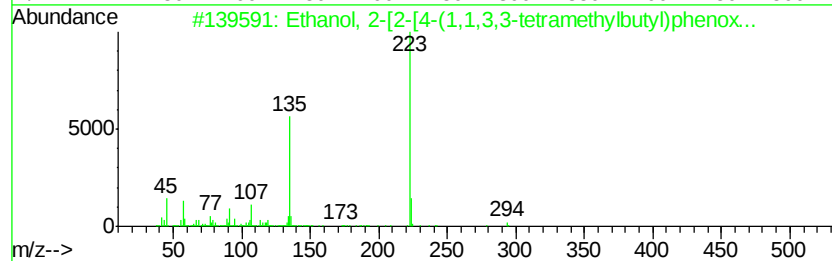
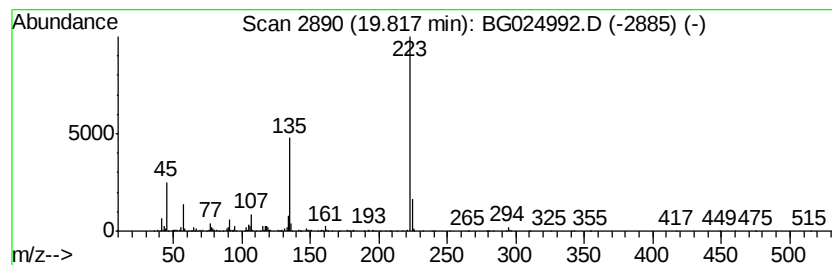
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.82 | 5.08 ng/ul | 770232 | Chrysene-d12     | 21.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Ethanol, 2-[2-[4-(1,1,3,3-tetram... | 294 | C18H30O3   | 002315-61-9  | 83   |
| 2    |    | 1-Dimethylisopropylsilyloxymethy... | 266 | C16H30OSi  | 1000283-07-2 | 28   |
| 3    |    | 3-Phenyl-2-(1-phenyl-ethyl)-2,3-... | 328 | C22H20N2O  | 346638-83-3  | 23   |
| 4    |    | Imidazolidine, 1,3-diphenyl-2-pr... | 266 | C18H22N2   | 055320-82-6  | 23   |
| 5    |    | tert-Butyldimethylsilyl 3-methyl... | 350 | C19H30O4Si | 1000373-64-0 | 23   |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-(4-Formyl-pheno... | 17.93 | 6.2     | ng/ul | 678249   | 4                     | 17.60 | 2184800 | 20.0 |
| Ethanol, 2-[2-[4-... | 19.82 | 5.1     | ng/ul | 770232   | 5                     | 21.89 | 3032520 | 20.0 |