

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
 Data File : BG019751.D  
 Acq On : 21 Nov 2015 12:50  
 Operator : UM/NP  
 Sample : G4428-19  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC7C6

## 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-BG111615.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         | 3.040       | 28            | 34          | 44           | rBV      | 62803          | 136119        | 19.12%          | 1.532%        |
| 2         | 3.123       | 44            | 48          | 56           | rVB      | 29877          | 46638         | 6.55%           | 0.525%        |
| 3         | 3.405       | 93            | 96          | 100          | rVB2     | 3979           | 5281          | 0.74%           | 0.059%        |
| 4         | 3.957       | 187           | 190         | 191          | rBV      | 1798           | 1560          | 0.22%           | 0.018%        |
| 5         | 5.156       | 390           | 394         | 395          | rBV      | 2123           | 2092          | 0.29%           | 0.024%        |
| 6         | 7.259       | 746           | 752         | 762          | rVB      | 77894          | 132220        | 18.57%          | 1.488%        |
| 7         | 7.429       | 772           | 781         | 788          | rBV      | 58207          | 92883         | 13.05%          | 1.045%        |
| 8         | 7.641       | 809           | 817         | 824          | rBV      | 74028          | 122507        | 17.21%          | 1.378%        |
| 9         | 8.117       | 892           | 898         | 906          | rVB      | 84524          | 143082        | 20.10%          | 1.610%        |
| 10        | 8.822       | 1011          | 1018        | 1030         | rBV      | 103820         | 169898        | 23.87%          | 1.912%        |
| 11        | 9.286       | 1089          | 1097        | 1104         | rBV2     | 74685          | 127930        | 17.97%          | 1.439%        |
| 12        | 9.415       | 1115          | 1119        | 1120         | rBV      | 1780           | 1760          | 0.25%           | 0.020%        |
| 13        | 10.015      | 1213          | 1221        | 1229         | rVB      | 63172          | 113386        | 15.93%          | 1.276%        |
| 14        | 10.555      | 1306          | 1313        | 1326         | rBB      | 103150         | 179330        | 25.19%          | 2.018%        |
| 15        | 10.943      | 1371          | 1379        | 1387         | rBV      | 112199         | 201442        | 28.30%          | 2.267%        |
| 16        | 11.072      | 1395          | 1401        | 1409         | rBV      | 77726          | 136723        | 19.21%          | 1.538%        |
| 17        | 12.400      | 1624          | 1627        | 1633         | rVB      | 2219           | 2501          | 0.35%           | 0.028%        |
| 18        | 12.518      | 1644          | 1647        | 1651         | rVB      | 1182           | 1715          | 0.24%           | 0.019%        |
| 19        | 13.105      | 1743          | 1747        | 1752         | rBV2     | 2894           | 4104          | 0.58%           | 0.046%        |
| 20        | 13.352      | 1783          | 1789        | 1793         | rBB2     | 5576           | 7640          | 1.07%           | 0.086%        |
| 21        | 13.634      | 1833          | 1837        | 1841         | rBB2     | 2393           | 3235          | 0.45%           | 0.036%        |
| 22        | 14.151      | 1917          | 1925        | 1929         | rBV      | 201825         | 295897        | 41.57%          | 3.329%        |
| 23        | 14.198      | 1929          | 1933        | 1940         | rVB      | 135913         | 192714        | 27.07%          | 2.168%        |
| 24        | 14.374      | 1961          | 1963        | 1969         | rBV      | 1136           | 1193          | 0.17%           | 0.013%        |
| 25        | 14.451      | 1969          | 1976        | 1982         | rVB      | 192904         | 298025        | 41.86%          | 3.353%        |
| 26        | 14.621      | 2002          | 2005        | 2010         | rVB2     | 3632           | 5087          | 0.71%           | 0.057%        |
| 27        | 14.756      | 2021          | 2028        | 2036         | rVB2     | 211257         | 328834        | 46.19%          | 3.700%        |
| 28        | 14.938      | 2054          | 2059        | 2070         | rBV      | 106911         | 174329        | 24.49%          | 1.962%        |
| 29        | 15.062      | 2077          | 2080        | 2083         | rBV3     | 1458           | 1794          | 0.25%           | 0.020%        |
| 30        | 15.238      | 2106          | 2110        | 2112         | rBV2     | 2012           | 2129          | 0.30%           | 0.024%        |
| 31        | 15.526      | 2154          | 2159        | 2163         | rBV2     | 3914           | 5547          | 0.78%           | 0.062%        |
| 32        | 15.573      | 2163          | 2167        | 2171         | rVB2     | 9089           | 12481         | 1.75%           | 0.140%        |
| 33        | 15.743      | 2190          | 2196        | 2203         | rVV      | 276715         | 418065        | 58.73%          | 4.704%        |
| 34        | 15.855      | 2210          | 2215        | 2226         | rVB      | 105887         | 149394        | 20.99%          | 1.681%        |

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 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-BG111615.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.972 | 2229 | 2235 | 2240 | rBV2 | 5452   | 10421  | 1.46%  | 0.117% |
| 36 | 16.019 | 2240 | 2243 | 2245 | rVB  | 1232   | 1204   | 0.17%  | 0.014% |
| 37 | 16.072 | 2251 | 2252 | 2255 | rVB2 | 2283   | 1675   | 0.24%  | 0.019% |
| 38 | 16.131 | 2258 | 2262 | 2266 | rVB2 | 1805   | 2798   | 0.39%  | 0.031% |
| 39 | 16.190 | 2269 | 2272 | 2275 | rVB3 | 1952   | 2012   | 0.28%  | 0.023% |
| 40 | 16.431 | 2309 | 2313 | 2322 | rVV5 | 10526  | 19202  | 2.70%  | 0.216% |
| 41 | 16.566 | 2332 | 2336 | 2340 | rVB2 | 1965   | 2603   | 0.37%  | 0.029% |
| 42 | 16.619 | 2340 | 2345 | 2348 | rBV5 | 5217   | 7427   | 1.04%  | 0.084% |
| 43 | 16.677 | 2353 | 2355 | 2357 | rVV  | 2239   | 1219   | 0.17%  | 0.014% |
| 44 | 16.724 | 2361 | 2363 | 2366 | rBV2 | 1397   | 1387   | 0.19%  | 0.016% |
| 45 | 16.777 | 2366 | 2372 | 2373 | rBV4 | 1895   | 2518   | 0.35%  | 0.028% |
| 46 | 16.830 | 2378 | 2381 | 2384 | rVV3 | 1681   | 2202   | 0.31%  | 0.025% |
| 47 | 16.871 | 2384 | 2388 | 2389 | rVV  | 2318   | 2207   | 0.31%  | 0.025% |
| 48 | 16.889 | 2389 | 2391 | 2394 | rVV2 | 2699   | 2959   | 0.42%  | 0.033% |
| 49 | 16.948 | 2396 | 2401 | 2405 | rVB3 | 2585   | 3205   | 0.45%  | 0.036% |
| 50 | 17.218 | 2443 | 2447 | 2453 | rVV2 | 8773   | 11713  | 1.65%  | 0.132% |
| 51 | 17.271 | 2453 | 2456 | 2462 | rVB3 | 4210   | 6426   | 0.90%  | 0.072% |
| 52 | 17.359 | 2470 | 2471 | 2475 | rBV2 | 1432   | 1854   | 0.26%  | 0.021% |
| 53 | 17.494 | 2487 | 2494 | 2501 | rBV2 | 327024 | 482701 | 67.81% | 5.431% |
| 54 | 17.594 | 2505 | 2511 | 2519 | rVB  | 382953 | 546027 | 76.70% | 6.144% |
| 55 | 17.747 | 2536 | 2537 | 2540 | rBV2 | 1808   | 2211   | 0.31%  | 0.025% |
| 56 | 17.847 | 2549 | 2554 | 2566 | rBV5 | 20041  | 33405  | 4.69%  | 0.376% |
| 57 | 17.958 | 2569 | 2573 | 2577 | rVB2 | 7401   | 8397   | 1.18%  | 0.094% |
| 58 | 18.140 | 2598 | 2604 | 2610 | rVV8 | 1721   | 4365   | 0.61%  | 0.049% |
| 59 | 18.358 | 2637 | 2641 | 2646 | rBV3 | 24113  | 33138  | 4.66%  | 0.373% |
| 60 | 18.452 | 2656 | 2657 | 2659 | rBV  | 1410   | 1274   | 0.18%  | 0.014% |
| 61 | 18.511 | 2662 | 2667 | 2669 | rBV5 | 3249   | 4541   | 0.64%  | 0.051% |
| 62 | 18.652 | 2686 | 2691 | 2695 | rVV3 | 5192   | 7027   | 0.99%  | 0.079% |
| 63 | 18.775 | 2709 | 2712 | 2717 | rVB4 | 6000   | 8228   | 1.16%  | 0.093% |
| 64 | 18.816 | 2717 | 2719 | 2723 | rBV4 | 1951   | 2292   | 0.32%  | 0.026% |
| 65 | 18.863 | 2723 | 2727 | 2732 | rBV5 | 3501   | 5829   | 0.82%  | 0.066% |
| 66 | 18.957 | 2740 | 2743 | 2747 | rBV5 | 2764   | 4109   | 0.58%  | 0.046% |
| 67 | 19.004 | 2750 | 2751 | 2754 | rBV2 | 2587   | 1996   | 0.28%  | 0.022% |
| 68 | 19.069 | 2760 | 2762 | 2765 | rBV3 | 2178   | 2396   | 0.34%  | 0.027% |
| 69 | 19.204 | 2781 | 2785 | 2794 | rBV2 | 73922  | 110548 | 15.53% | 1.244% |
| 70 | 19.509 | 2832 | 2837 | 2838 | rBV4 | 6633   | 7786   | 1.09%  | 0.088% |
| 71 | 19.539 | 2838 | 2842 | 2845 | rVB2 | 9336   | 12423  | 1.75%  | 0.140% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 19.621 | 2853 | 2856 | 2862 | rBV5 | 7371   | 11510  | 1.62%   | 0.130% |
| 73  | 19.756 | 2875 | 2879 | 2885 | rBV6 | 9445   | 16995  | 2.39%   | 0.191% |
| 74  | 19.874 | 2892 | 2899 | 2908 | rVB  | 476750 | 711875 | 100.00% | 8.010% |
| 75  | 20.068 | 2930 | 2932 | 2933 | rBV2 | 2839   | 1277   | 0.18%   | 0.014% |
| 76  | 20.485 | 3001 | 3003 | 3007 | rVB4 | 5872   | 6787   | 0.95%   | 0.076% |
| 77  | 20.755 | 3046 | 3049 | 3053 | rVB2 | 11907  | 14873  | 2.09%   | 0.167% |
| 78  | 20.861 | 3064 | 3067 | 3073 | rVB7 | 7082   | 9518   | 1.34%   | 0.107% |
| 79  | 20.967 | 3082 | 3085 | 3090 | rBV5 | 11075  | 13354  | 1.88%   | 0.150% |
| 80  | 21.019 | 3090 | 3094 | 3098 | rVV  | 12476  | 17196  | 2.42%   | 0.193% |
| 81  | 21.078 | 3102 | 3104 | 3109 | rVB5 | 6683   | 7970   | 1.12%   | 0.090% |
| 82  | 21.372 | 3150 | 3154 | 3163 | rBV2 | 80561  | 120007 | 16.86%  | 1.350% |
| 83  | 21.566 | 3184 | 3187 | 3190 | rBV5 | 13587  | 15152  | 2.13%   | 0.170% |
| 84  | 21.760 | 3213 | 3220 | 3227 | rBV  | 404569 | 681497 | 95.73%  | 7.668% |
| 85  | 22.177 | 3287 | 3291 | 3296 | rBV6 | 9621   | 14306  | 2.01%   | 0.161% |
| 86  | 22.553 | 3349 | 3355 | 3365 | rBV5 | 37791  | 118786 | 16.69%  | 1.337% |
| 87  | 22.811 | 3393 | 3399 | 3406 | rBV3 | 45356  | 82169  | 11.54%  | 0.925% |
| 88  | 23.240 | 3466 | 3472 | 3479 | rVB7 | 21664  | 49891  | 7.01%   | 0.561% |
| 89  | 23.610 | 3531 | 3535 | 3541 | rVB4 | 22976  | 43373  | 6.09%   | 0.488% |
| 90  | 24.075 | 3607 | 3614 | 3620 | rBV  | 110000 | 235416 | 33.07%  | 2.649% |
| 91  | 24.833 | 3733 | 3743 | 3753 | rVB  | 259290 | 704623 | 98.98%  | 7.928% |
| 92  | 25.062 | 3771 | 3782 | 3792 | rVB2 | 236487 | 662436 | 93.06%  | 7.454% |
| 93  | 25.579 | 3863 | 3870 | 3882 | rVB4 | 43440  | 125188 | 17.59%  | 1.409% |
| 94  | 26.202 | 3967 | 3976 | 3986 | rVB3 | 56265  | 169827 | 23.86%  | 1.911% |
| 95  | 26.730 | 4064 | 4066 | 4068 | rBV3 | 3345   | 2448   | 0.34%   | 0.028% |
| 96  | 28.399 | 4342 | 4350 | 4352 | rBV8 | 30305  | 69730  | 9.80%   | 0.785% |
| 97  | 29.257 | 4487 | 4496 | 4497 | rBV8 | 13374  | 26868  | 3.77%   | 0.302% |
| 98  | 30.238 | 4661 | 4663 | 4666 | rBV3 | 3260   | 3398   | 0.48%   | 0.038% |
| 99  | 31.084 | 4797 | 4807 | 4820 | rVB3 | 15385  | 69575  | 9.77%   | 0.783% |
| 100 | 32.377 | 5025 | 5027 | 5028 | rBV2 | 3510   | 1962   | 0.28%   | 0.022% |

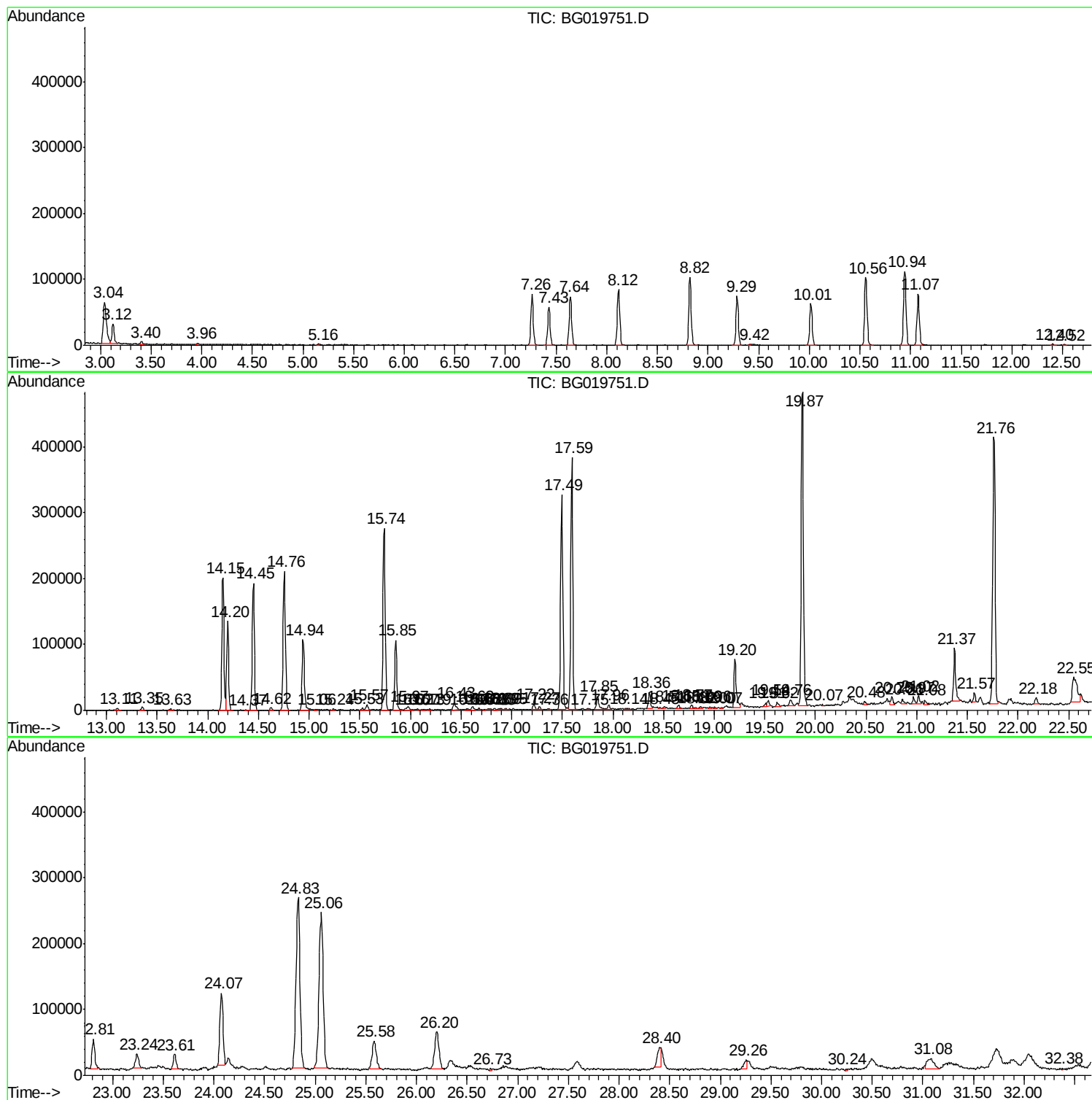
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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



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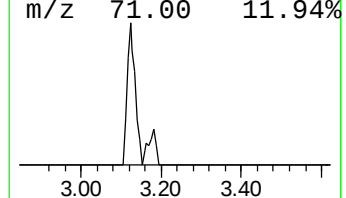
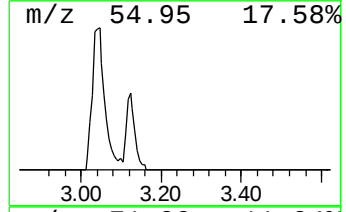
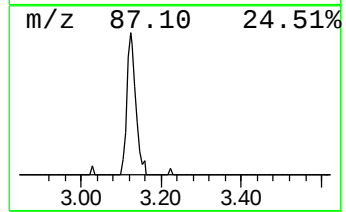
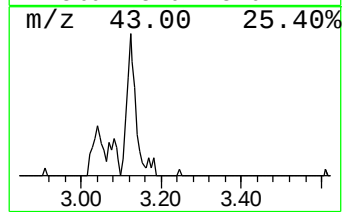
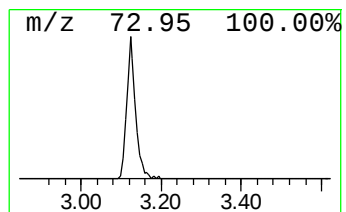
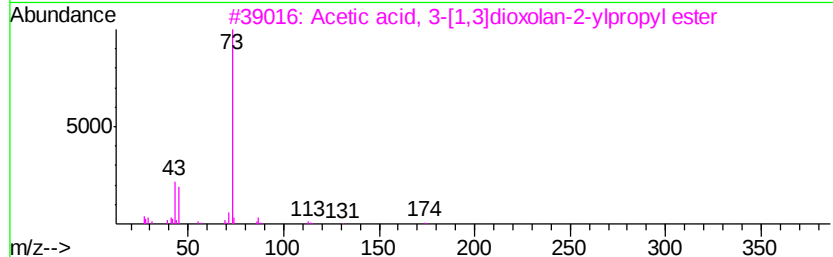
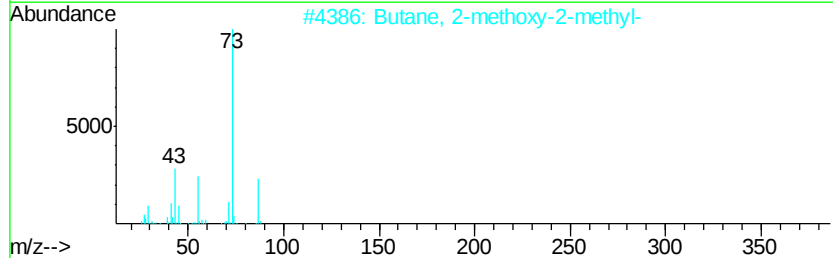
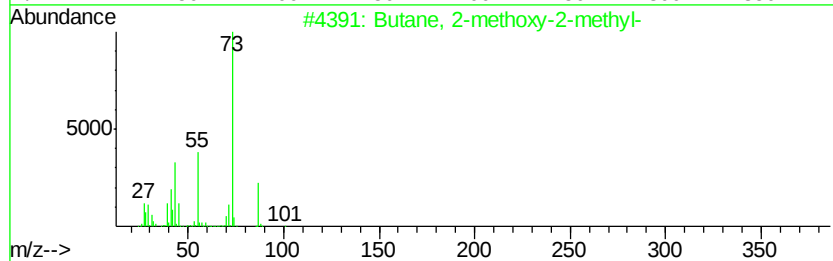
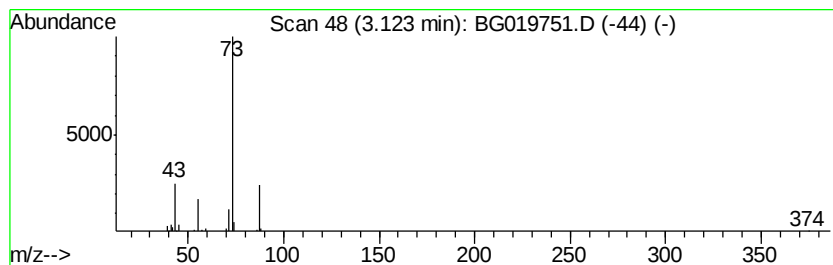
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 3.12 | 6.52 ng/ul | 46638 | 1,4-Dichlorobenzene-d4 | 8.12 |

| 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  | 56   |
| 3    |    | Acetic acid, 3-[1,3]dioxolan-2-ylpropyl ester | 174 | C8H14O4 | 1000186-02-3 | 25   |
| 4    |    | Pentane, 3-methoxy-                           | 102 | C6H14O  | 036839-67-5  | 17   |
| 5    |    | Butane, 2-methoxy-2,3,3-trimethyl-            | 130 | C8H18O  | 027705-21-1  | 9    |



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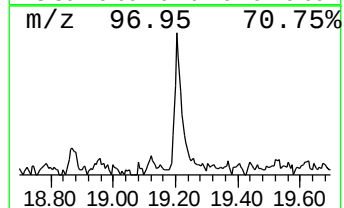
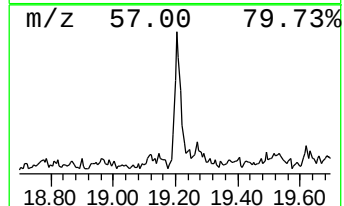
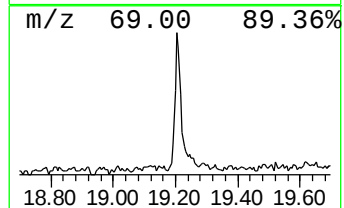
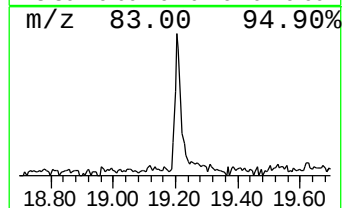
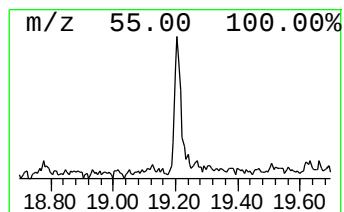
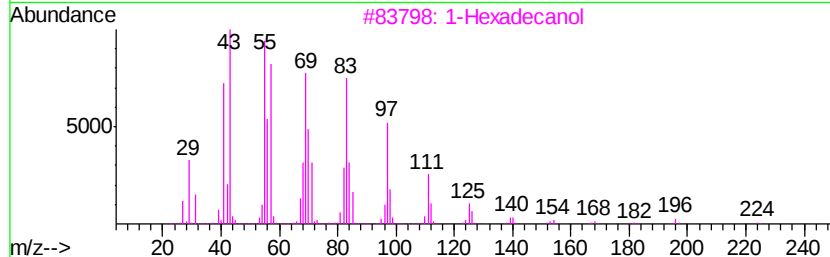
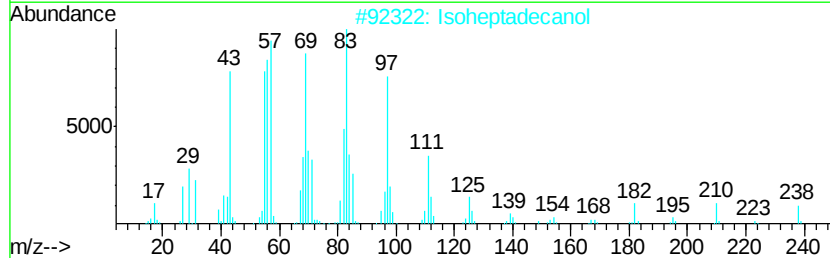
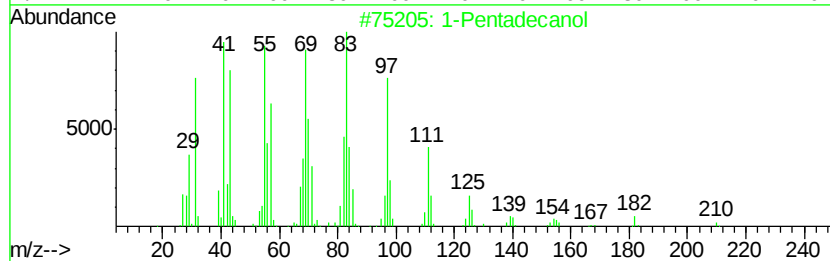
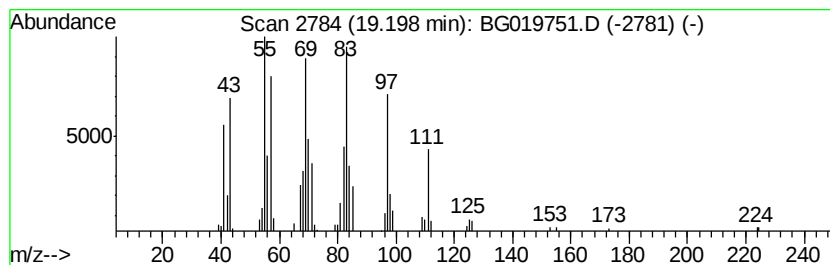
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1-Pentadecanol Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.20 | 4.58 ng/ul | 110548 | Phenanthrene-d10 | 17.49 |

| Hit# of | 5               | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------|--------------|-----|---------|-------------|------|
| 1       | 1-Pentadecanol  |              | 228 | C15H32O | 000629-76-5 | 91   |
| 2       | Isoheptadecanol |              | 256 | C17H36O | 057289-07-3 | 91   |
| 3       | 1-Hexadecanol   |              | 242 | C16H34O | 036653-82-4 | 91   |
| 4       | 1-Hexadecanol   |              | 242 | C16H34O | 036653-82-4 | 91   |
| 5       | 1-Pentadecanol  |              | 228 | C15H32O | 000629-76-5 | 91   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

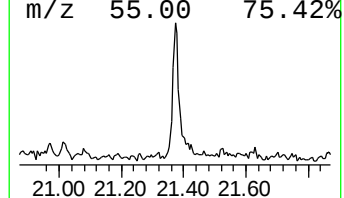
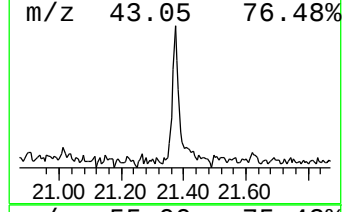
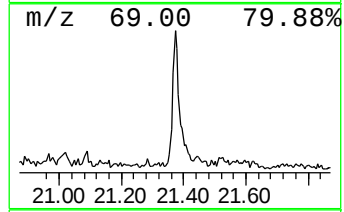
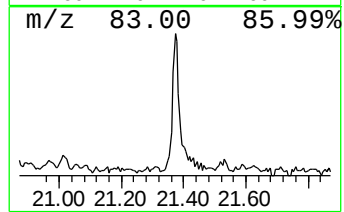
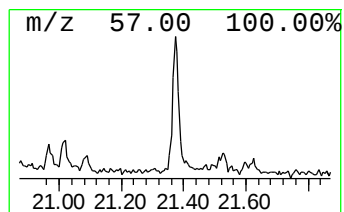
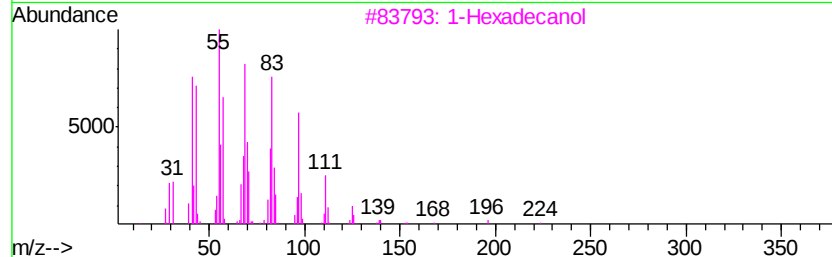
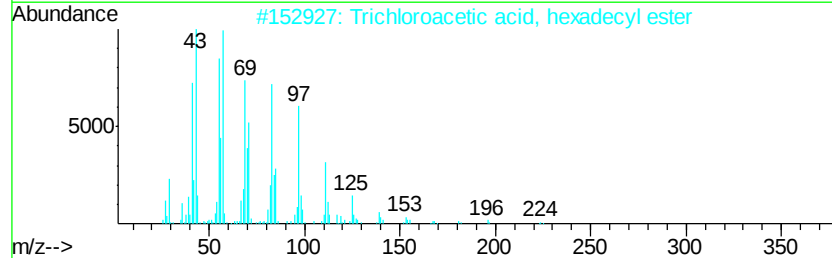
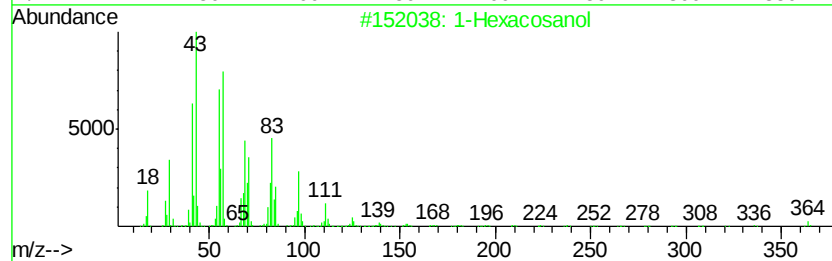
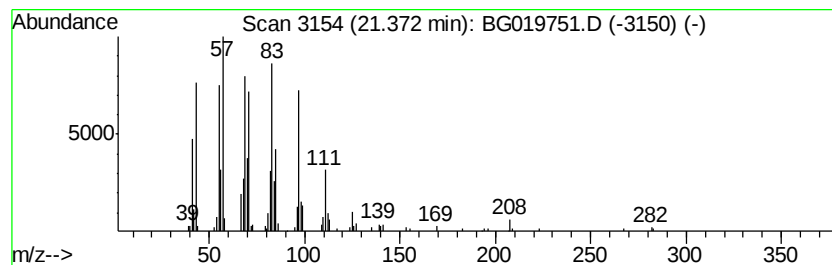
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Hexacosanol Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.37 | 3.52 ng/ul | 120007 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 1-Hexacosanol                       | 382 | C26H54O     | 000506-52-5 | 90   |
| 2    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 87   |
| 3    |    | 1-Hexadecanol                       | 242 | C16H34O     | 036653-82-4 | 87   |
| 4    |    | 1-Pentadecanol                      | 228 | C15H32O     | 000629-76-5 | 87   |
| 5    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5 | 86   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

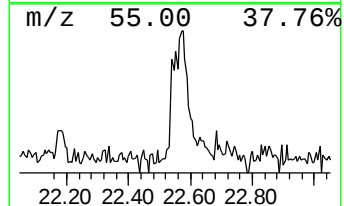
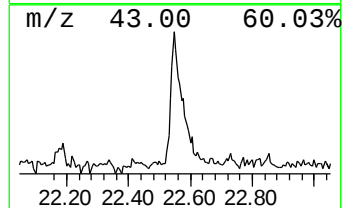
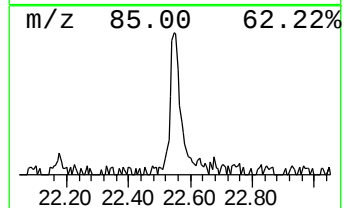
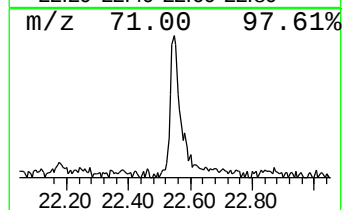
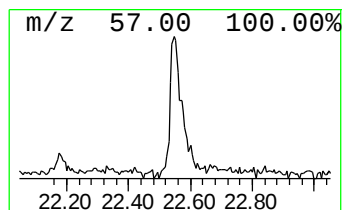
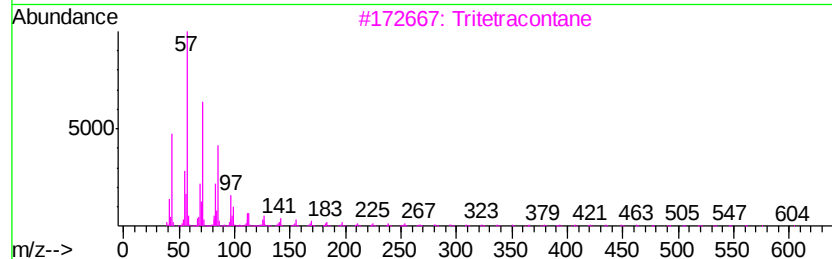
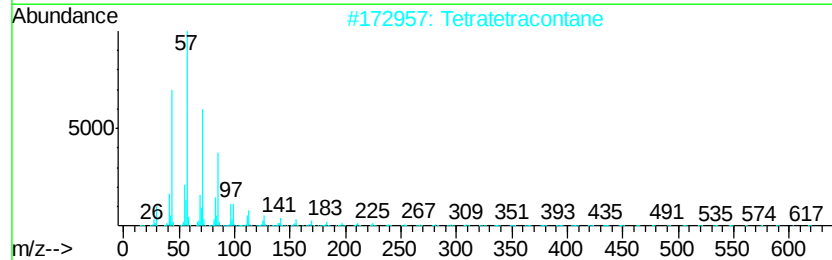
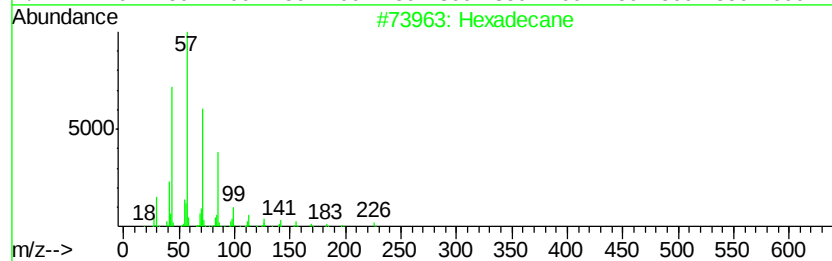
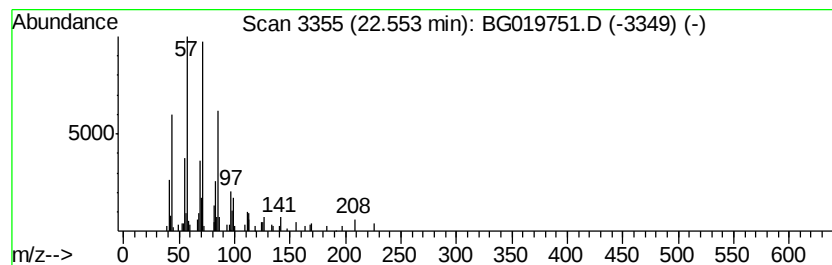
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.55 | 3.49 ng/ul | 118786 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecane                       | 226 | C16H34   | 000544-76-3 | 83   |
| 2    |    | Tetratetracontane                | 619 | C44H90   | 007098-22-8 | 80   |
| 3    |    | Tritetracontane                  | 605 | C43H88   | 007098-21-7 | 80   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54   | 055282-11-6 | 72   |
| 5    |    | Heptacosane, 1-chloro-           | 414 | C27H55Cl | 062016-79-9 | 72   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

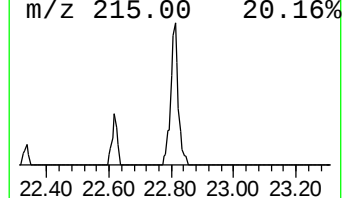
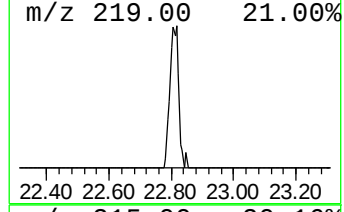
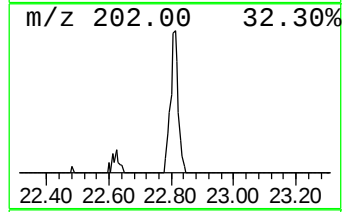
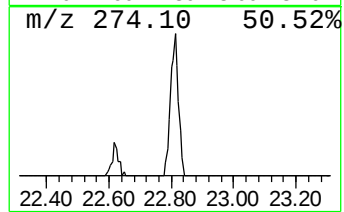
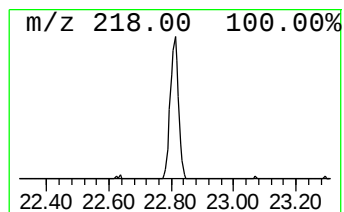
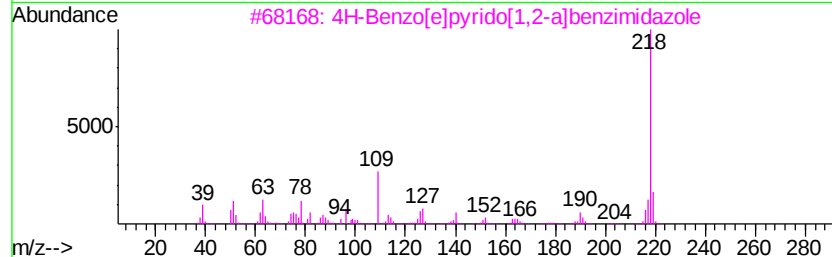
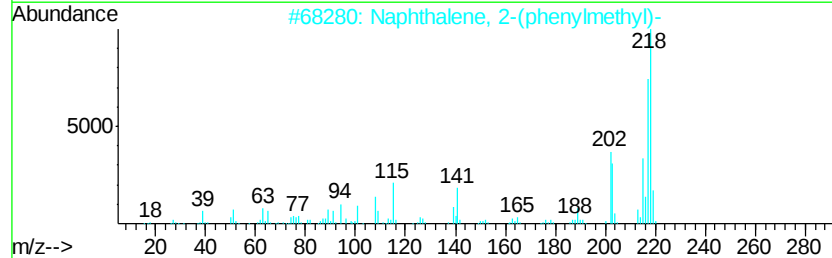
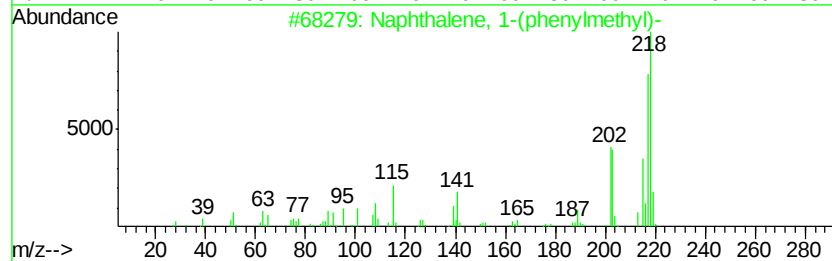
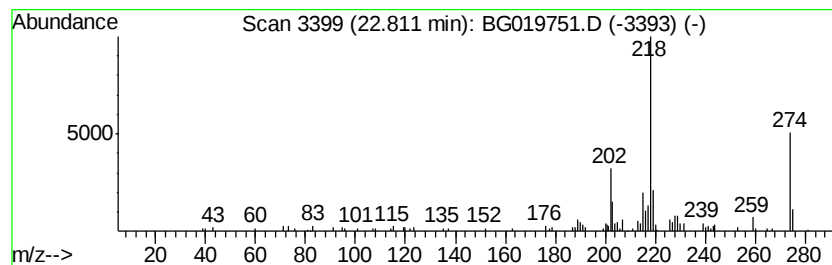
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Naphthalene, 1-(phenylmethyl)- Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.81 | 2.41 ng/ul | 82169 | Chrysene-d12     | 21.76 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1-(phenylmethyl)-        | 218 | C17H14   | 000611-45-0 | 53   |
| 2    |    |   | Naphthalene, 2-(phenylmethyl)-        | 218 | C17H14   | 000613-59-2 | 46   |
| 3    |    |   | 4H-Benzo[e]pyrido[1,2-a]benzimid...   | 218 | C15H10N2 | 000239-25-8 | 46   |
| 4    |    |   | 1H-Cyclopenta[all]phenanthrene, 2,... | 218 | C17H14   | 000723-98-8 | 43   |
| 5    |    |   | 1,4-Methanonaphthalene, 1,4-dihy...   | 218 | C17H14   | 055028-73-4 | 43   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

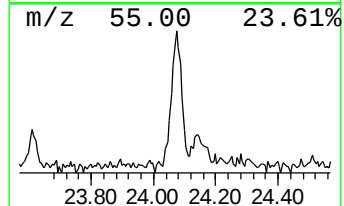
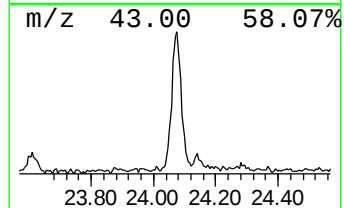
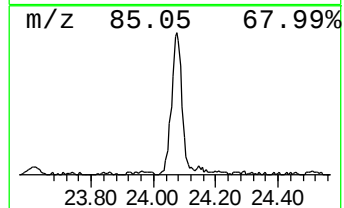
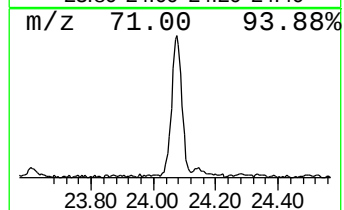
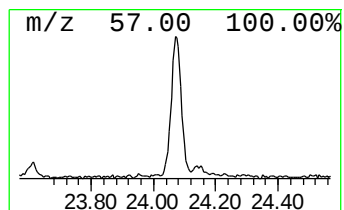
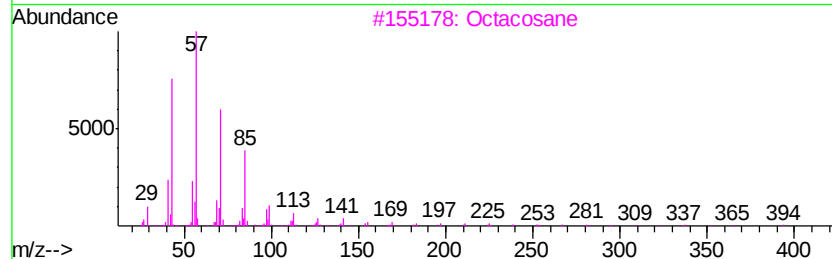
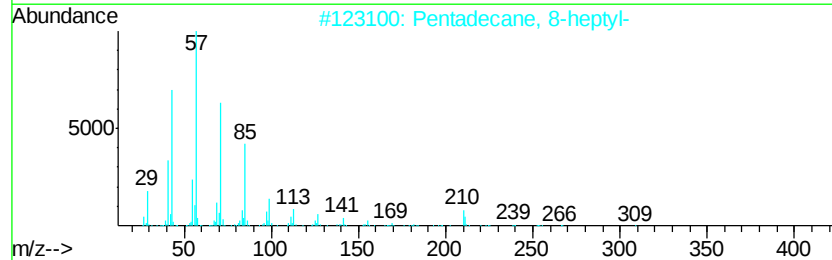
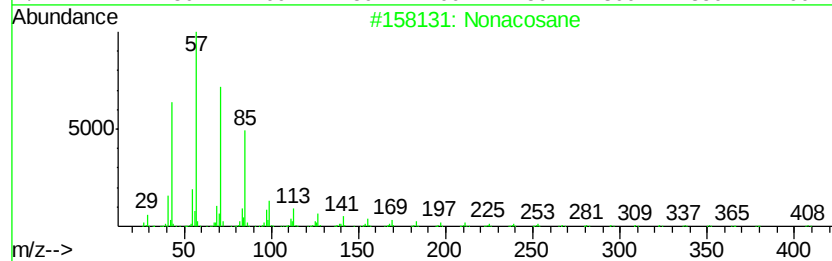
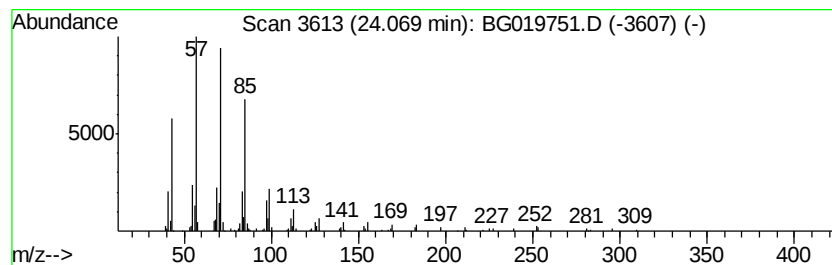
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Branched24.07 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.07 | 7.11 ng/ul | 235416 | Perylene-d12     | 25.06 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonacosane             | 408 | C29H60  | 000630-03-5 | 87   |
| 2    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 80   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 80   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 80   |
| 5    |    | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

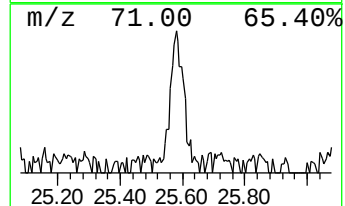
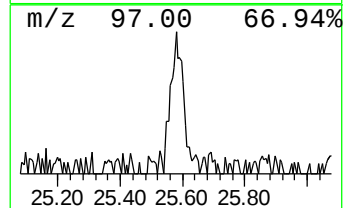
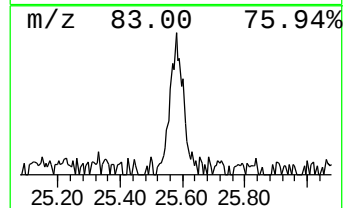
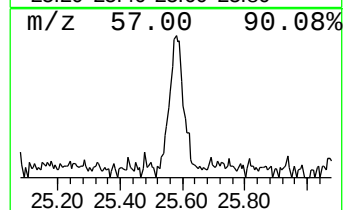
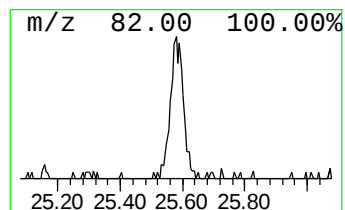
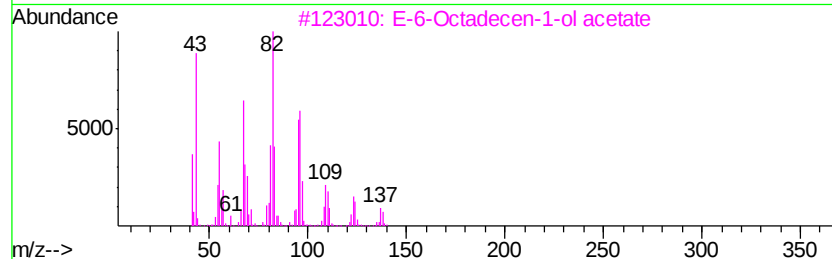
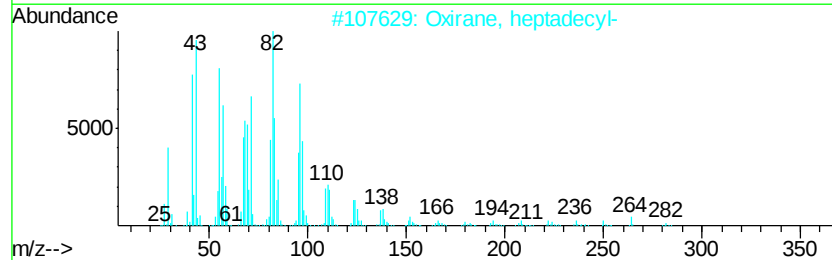
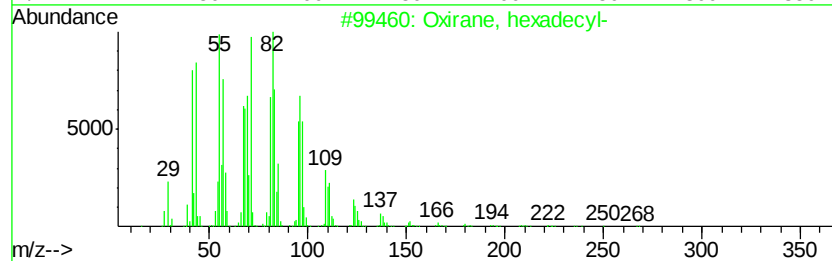
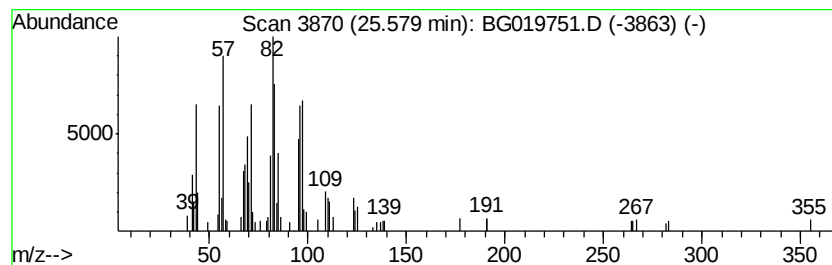
Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Oxirane, hexadecyl- Concentration Rank 6

| R.T.    | EstConc                    | Area         | Relative to ISTD | R.T.      |
|---------|----------------------------|--------------|------------------|-----------|
| 25.58   | 3.78 ng/ul                 | 125188       | Perylene-d12     | 25.06     |
| Hit# of | 5                          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Oxirane, hexadecyl-        | 268 C18H36O  | 007390-81-0      | 87        |
| 2       | Oxirane, heptadecyl-       | 282 C19H38O  | 067860-04-2      | 43        |
| 3       | E-6-Octadecen-1-ol acetate | 310 C20H38O2 | 1000130-94-7     | 43        |
| 4       | 1,19-Eicosadiene           | 278 C20H38   | 014811-95-1      | 38        |
| 5       | (Z)-14-Tricosenyl formate  | 366 C24H46O2 | 077899-10-6      | 38        |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

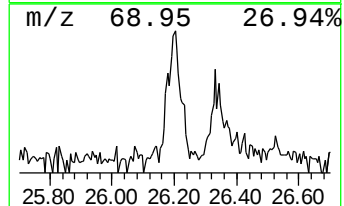
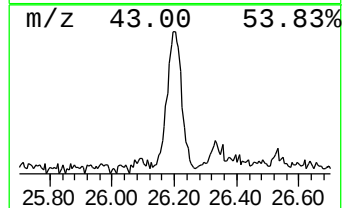
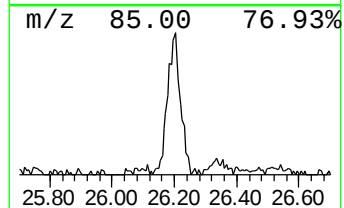
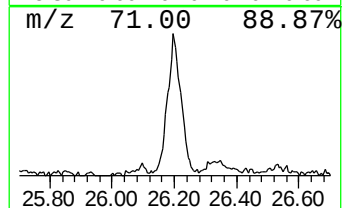
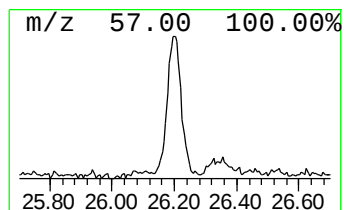
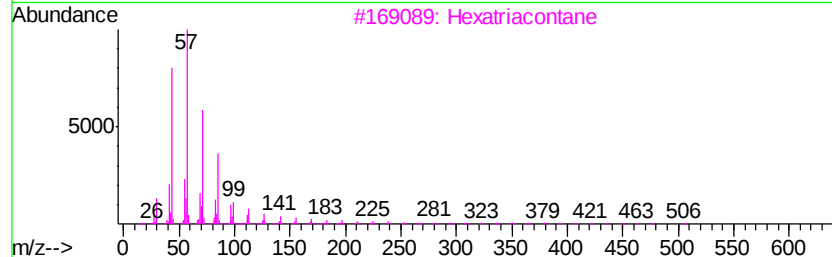
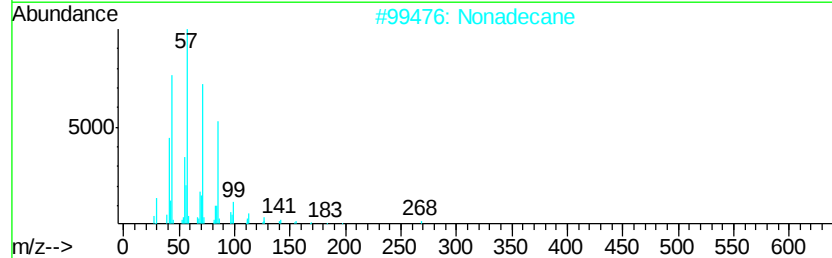
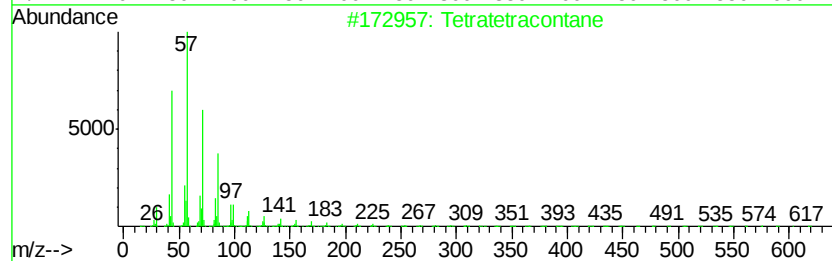
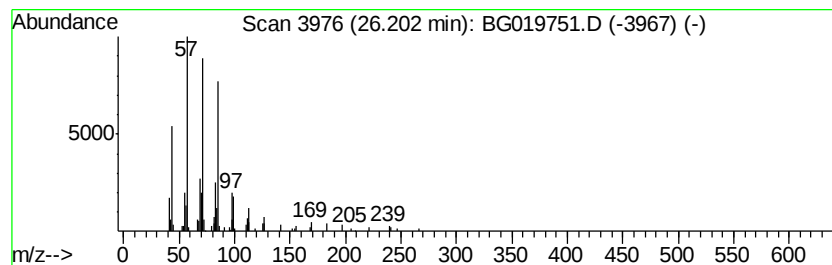
Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 9 (DEL) Alkane: Cyclic26.20 Concentration Rank 4

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 26.20     | 5.13 ng/ul              | 169827 | Perylene-d12     | 25.06       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Tetratetracontane       | 619    | C44H90           | 007098-22-8 | 86   |
| 2         | Nonadecane              | 268    | C19H40           | 000629-92-5 | 72   |
| 3         | Hexatriacontane         | 507    | C36H74           | 000630-06-8 | 72   |
| 4         | Undecane, 2,3-dimethyl- | 184    | C13H28           | 017312-77-5 | 72   |
| 5         | Tetradecane, 3-methyl-  | 212    | C15H32           | 018435-22-8 | 50   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112015\  
Data File : BG019751.D  
Acq On : 21 Nov 2015 12:50  
Operator : UM/NP  
Sample : G4428-19  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BC7C6

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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... | 3.12  | 6.5     | ng/ul | 46638    | 1                     | 8.12  | 143082 | 20.0 |
| 1-Pentadecanol       | 19.20 | 4.6     | ng/ul | 110548   | 4                     | 17.49 | 482701 | 20.0 |
| 1-Hexacosanol        | 21.37 | 3.5     | ng/ul | 120007   | 5                     | 21.76 | 681497 | 20.0 |
| (DEL) Alkane: Str... | 22.55 | 3.5     | ng/ul | 118786   | 5                     | 21.76 | 681497 | 20.0 |
| Naphthalene, 1-(p... | 22.81 | 2.4     | ng/ul | 82169    | 5                     | 21.76 | 681497 | 20.0 |
| (DEL) Alkane: Bra... | 24.07 | 7.1     | ng/ul | 235416   | 6                     | 25.06 | 662436 | 20.0 |
| Oxirane, hexadecyl-  | 25.58 | 3.8     | ng/ul | 125188   | 6                     | 25.06 | 662436 | 20.0 |
| (DEL) Alkane: Cyc... | 26.20 | 5.1     | ng/ul | 169827   | 6                     | 25.06 | 662436 | 20.0 |