

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\  
 Data File : BG021913.D  
 Acq On : 16 May 2016 19:25  
 Operator : UM/SJ  
 Sample : H3095-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XE0

## 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-BG050916.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         | 3.234       | 63            | 67          | 74           | rVV      | 19035          | 29933         | 1.82%           | 0.207%        |
| 2         | 3.328       | 78            | 83          | 92           | rVB4     | 8612           | 20648         | 1.25%           | 0.142%        |
| 3         | 3.457       | 103           | 105         | 110          | rVB3     | 2274           | 2147          | 0.13%           | 0.015%        |
| 4         | 3.545       | 117           | 120         | 124          | rVB3     | 5567           | 8398          | 0.51%           | 0.058%        |
| 5         | 3.986       | 191           | 195         | 200          | rVB2     | 2945           | 4240          | 0.26%           | 0.029%        |
| 6         | 4.080       | 204           | 211         | 220          | rBV      | 14492          | 27521         | 1.67%           | 0.190%        |
| 7         | 4.303       | 248           | 249         | 259          | rVB6     | 2747           | 4561          | 0.28%           | 0.031%        |
| 8         | 4.873       | 344           | 346         | 350          | rVB4     | 1404           | 1647          | 0.10%           | 0.011%        |
| 9         | 5.325       | 420           | 423         | 431          | rVB6     | 4034           | 8140          | 0.49%           | 0.056%        |
| 10        | 5.595       | 465           | 469         | 473          | rVB5     | 962            | 1722          | 0.10%           | 0.012%        |
| 11        | 5.789       | 497           | 502         | 507          | rBV5     | 1859           | 3970          | 0.24%           | 0.027%        |
| 12        | 6.159       | 562           | 565         | 570          | rVB3     | 2250           | 2769          | 0.17%           | 0.019%        |
| 13        | 6.806       | 671           | 675         | 676          | rBV3     | 1661           | 1728          | 0.10%           | 0.012%        |
| 14        | 7.147       | 729           | 733         | 738          | rVB5     | 3815           | 6149          | 0.37%           | 0.042%        |
| 15        | 7.317       | 755           | 762         | 780          | rBV      | 113739         | 241027        | 14.64%          | 1.663%        |
| 16        | 7.487       | 784           | 791         | 799          | rBV      | 102703         | 198245        | 12.04%          | 1.368%        |
| 17        | 7.699       | 819           | 827         | 837          | rBV      | 143353         | 282170        | 17.14%          | 1.947%        |
| 18        | 7.775       | 837           | 840         | 842          | rVV3     | 2351           | 3172          | 0.19%           | 0.022%        |
| 19        | 7.799       | 842           | 844         | 852          | rVB6     | 1937           | 3897          | 0.24%           | 0.027%        |
| 20        | 8.169       | 894           | 907         | 918          | rBV      | 169931         | 347208        | 21.09%          | 2.396%        |
| 21        | 8.721       | 999           | 1001        | 1007         | rVB4     | 1116           | 1811          | 0.11%           | 0.012%        |
| 22        | 8.868       | 1018          | 1026        | 1038         | rBV      | 143893         | 296534        | 18.01%          | 2.046%        |
| 23        | 9.009       | 1048          | 1050        | 1054         | rVB4     | 2145           | 2313          | 0.14%           | 0.016%        |
| 24        | 9.068       | 1059          | 1060        | 1067         | rVB3     | 1325           | 1668          | 0.10%           | 0.012%        |
| 25        | 9.256       | 1088          | 1092        | 1094         | rBV3     | 1437           | 1687          | 0.10%           | 0.012%        |
| 26        | 9.338       | 1097          | 1106        | 1117         | rBV      | 115762         | 249871        | 15.18%          | 1.724%        |
| 27        | 9.432       | 1118          | 1122        | 1130         | rVV3     | 10761          | 21590         | 1.31%           | 0.149%        |
| 28        | 9.491       | 1130          | 1132        | 1135         | rVB2     | 1650           | 1694          | 0.10%           | 0.012%        |
| 29        | 10.061      | 1222          | 1229        | 1242         | rBV      | 95949          | 202692        | 12.31%          | 1.399%        |
| 30        | 10.278      | 1262          | 1266        | 1270         | rBV4     | 2012           | 3640          | 0.22%           | 0.025%        |
| 31        | 10.384      | 1279          | 1284        | 1286         | rBV2     | 1967           | 3504          | 0.21%           | 0.024%        |
| 32        | 10.607      | 1312          | 1322        | 1331         | rBV      | 185805         | 387097        | 23.51%          | 2.671%        |
| 33        | 10.936      | 1372          | 1378        | 1379         | rBV2     | 3075           | 4368          | 0.27%           | 0.030%        |
| 34        | 10.989      | 1379          | 1387        | 1402         | rVB      | 292972         | 605466        | 36.78%          | 4.178%        |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\  
 Data File : BG021913.D  
 Acq On : 16 May 2016 19:25  
 Operator : UM/SJ  
 Sample : H3095-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XE0

## 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-BG050916.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 11.124 | 1402 | 1410 | 1424 | rBV  | 53173  | 133357  | 8.10%  | 0.920% |
| 36 | 11.348 | 1446 | 1448 | 1453 | rVB2 | 1451   | 2145    | 0.13%  | 0.015% |
| 37 | 11.882 | 1535 | 1539 | 1541 | rVB2 | 1851   | 2037    | 0.12%  | 0.014% |
| 38 | 11.982 | 1550 | 1556 | 1560 | rBV3 | 5734   | 9467    | 0.58%  | 0.065% |
| 39 | 12.370 | 1616 | 1622 | 1627 | rVB4 | 5026   | 7701    | 0.47%  | 0.053% |
| 40 | 12.564 | 1649 | 1655 | 1659 | rBV2 | 3834   | 6182    | 0.38%  | 0.043% |
| 41 | 12.634 | 1662 | 1667 | 1674 | rVB  | 11709  | 21066   | 1.28%  | 0.145% |
| 42 | 12.852 | 1698 | 1704 | 1709 | rBV2 | 9850   | 16628   | 1.01%  | 0.115% |
| 43 | 12.987 | 1723 | 1727 | 1730 | rBV2 | 1187   | 1742    | 0.11%  | 0.012% |
| 44 | 13.051 | 1733 | 1738 | 1743 | rVB5 | 2446   | 4533    | 0.28%  | 0.031% |
| 45 | 13.140 | 1748 | 1753 | 1754 | rVV3 | 1780   | 2455    | 0.15%  | 0.017% |
| 46 | 13.175 | 1758 | 1759 | 1763 | rVB2 | 2247   | 1848    | 0.11%  | 0.013% |
| 47 | 13.316 | 1776 | 1783 | 1788 | rBV6 | 4920   | 8966    | 0.54%  | 0.062% |
| 48 | 13.392 | 1792 | 1796 | 1802 | rBV3 | 3529   | 6171    | 0.37%  | 0.043% |
| 49 | 13.598 | 1823 | 1831 | 1836 | rBV5 | 8288   | 15243   | 0.93%  | 0.105% |
| 50 | 13.674 | 1840 | 1844 | 1846 | rVB4 | 3157   | 4508    | 0.27%  | 0.031% |
| 51 | 13.756 | 1855 | 1858 | 1860 | rVB  | 2001   | 1758    | 0.11%  | 0.012% |
| 52 | 13.827 | 1866 | 1870 | 1873 | rBV3 | 1821   | 2119    | 0.13%  | 0.015% |
| 53 | 13.892 | 1879 | 1881 | 1883 | rBV2 | 1821   | 1837    | 0.11%  | 0.013% |
| 54 | 14.115 | 1913 | 1919 | 1924 | rBV2 | 10801  | 19819   | 1.20%  | 0.137% |
| 55 | 14.191 | 1924 | 1932 | 1936 | rVV  | 388652 | 645416  | 39.20% | 4.453% |
| 56 | 14.238 | 1936 | 1940 | 1947 | rVB  | 174093 | 281207  | 17.08% | 1.940% |
| 57 | 14.350 | 1956 | 1959 | 1962 | rBV4 | 4597   | 6289    | 0.38%  | 0.043% |
| 58 | 14.491 | 1974 | 1983 | 1996 | rBV  | 542058 | 944274  | 57.36% | 6.515% |
| 59 | 14.667 | 2008 | 2013 | 2017 | rVV  | 18519  | 26777   | 1.63%  | 0.185% |
| 60 | 14.791 | 2022 | 2034 | 2043 | rBV3 | 489810 | 891990  | 54.18% | 6.154% |
| 61 | 14.855 | 2043 | 2045 | 2049 | rVB5 | 5264   | 7204    | 0.44%  | 0.050% |
| 62 | 14.990 | 2061 | 2068 | 2080 | rBV  | 57082  | 157212  | 9.55%  | 1.085% |
| 63 | 15.120 | 2088 | 2090 | 2093 | rBV4 | 2455   | 3223    | 0.20%  | 0.022% |
| 64 | 15.178 | 2098 | 2100 | 2105 | rVB3 | 7669   | 11718   | 0.71%  | 0.081% |
| 65 | 15.272 | 2110 | 2116 | 2122 | rVB9 | 5168   | 14198   | 0.86%  | 0.098% |
| 66 | 15.407 | 2134 | 2139 | 2142 | rBV6 | 5575   | 7600    | 0.46%  | 0.052% |
| 67 | 15.449 | 2143 | 2146 | 2147 | rBV3 | 3646   | 3186    | 0.19%  | 0.022% |
| 68 | 15.566 | 2162 | 2166 | 2169 | rVV3 | 11891  | 17629   | 1.07%  | 0.122% |
| 69 | 15.613 | 2170 | 2174 | 2179 | rVB  | 34926  | 51600   | 3.13%  | 0.356% |
| 70 | 15.672 | 2179 | 2184 | 2187 | rBV7 | 4048   | 6212    | 0.38%  | 0.043% |
| 71 | 15.784 | 2191 | 2203 | 2215 | rBV  | 700037 | 1212337 | 73.64% | 8.365% |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\  
 Data File : BG021913.D  
 Acq On : 16 May 2016 19:25  
 Operator : UM/SJ  
 Sample : H3095-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XE0

## 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-BG050916.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 72 | 15.901 | 2217 | 2223 | 2231 | rVV  | 107087 | 181402  | 11.02%  | 1.252%  |
| 73 | 16.019 | 2236 | 2243 | 2248 | rBV4 | 20036  | 42036   | 2.55%   | 0.290%  |
| 74 | 16.089 | 2253 | 2255 | 2256 | rBV2 | 2357   | 1786    | 0.11%   | 0.012%  |
| 75 | 16.124 | 2256 | 2261 | 2266 | rBV6 | 8556   | 19699   | 1.20%   | 0.136%  |
| 76 | 16.230 | 2277 | 2279 | 2283 | rVB5 | 3419   | 3518    | 0.21%   | 0.024%  |
| 77 | 16.277 | 2285 | 2287 | 2290 | rVB4 | 4880   | 4670    | 0.28%   | 0.032%  |
| 78 | 16.359 | 2299 | 2301 | 2302 | rBV2 | 3005   | 1670    | 0.10%   | 0.012%  |
| 79 | 16.424 | 2308 | 2312 | 2315 | rBV6 | 4417   | 6403    | 0.39%   | 0.044%  |
| 80 | 16.471 | 2315 | 2320 | 2322 | rBV2 | 44136  | 66414   | 4.03%   | 0.458%  |
| 81 | 16.594 | 2339 | 2341 | 2342 | rBV2 | 3457   | 2667    | 0.16%   | 0.018%  |
| 82 | 16.688 | 2355 | 2357 | 2359 | rBV3 | 3566   | 3083    | 0.19%   | 0.021%  |
| 83 | 16.806 | 2374 | 2377 | 2379 | rBV4 | 8400   | 11071   | 0.67%   | 0.076%  |
| 84 | 17.053 | 2417 | 2419 | 2421 | rBV3 | 6492   | 7662    | 0.47%   | 0.053%  |
| 85 | 17.188 | 2438 | 2442 | 2447 | rBV6 | 12924  | 23494   | 1.43%   | 0.162%  |
| 86 | 17.264 | 2451 | 2455 | 2460 | rVV  | 36988  | 58435   | 3.55%   | 0.403%  |
| 87 | 17.540 | 2495 | 2502 | 2506 | rBV  | 547277 | 969997  | 58.92%  | 6.693%  |
| 88 | 17.581 | 2506 | 2509 | 2513 | rVV  | 157714 | 245940  | 14.94%  | 1.697%  |
| 89 | 17.634 | 2513 | 2518 | 2529 | rVB  | 657621 | 1152957 | 70.03%  | 7.955%  |
| 90 | 17.999 | 2578 | 2580 | 2585 | rVB2 | 24064  | 32066   | 1.95%   | 0.221%  |
| 91 | 18.404 | 2645 | 2649 | 2654 | rBV3 | 67874  | 115286  | 7.00%   | 0.795%  |
| 92 | 19.579 | 2844 | 2849 | 2855 | rVB  | 533725 | 820140  | 49.82%  | 5.659%  |
| 93 | 19.914 | 2900 | 2906 | 2909 | rBV  | 897792 | 1535877 | 93.29%  | 10.597% |
| 94 | 21.823 | 3223 | 3231 | 3236 | rBV2 | 659438 | 1646307 | 100.00% | 11.359% |

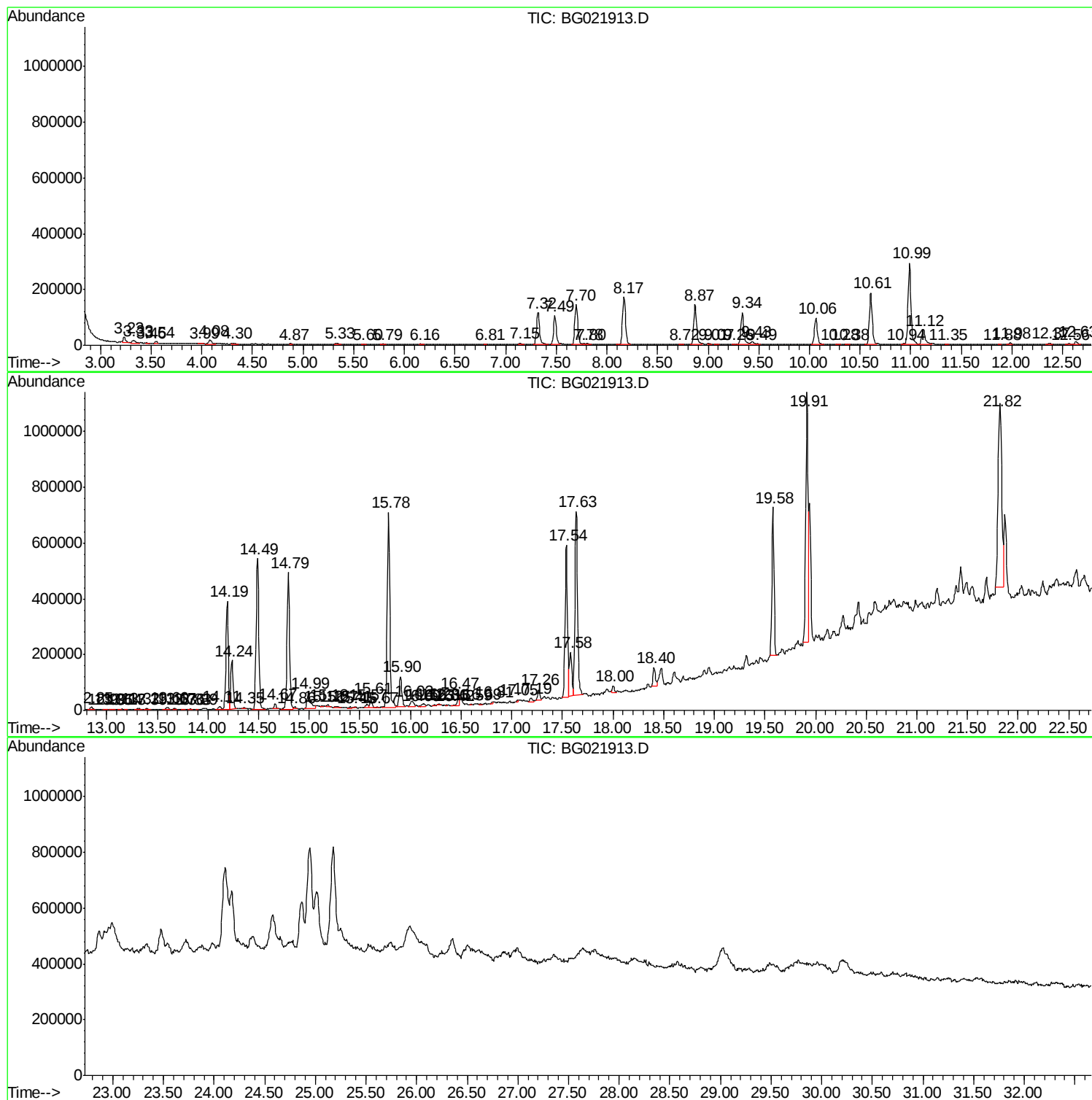
Sum of corrected areas: 14493461

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\  
Data File : BG021913.D  
Acq On : 16 May 2016 19:25  
Operator : UM/SJ  
Sample : H3095-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9XE0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\  
Data File : BG021913.D  
Acq On : 16 May 2016 19:25  
Operator : UM/SJ  
Sample : H3095-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

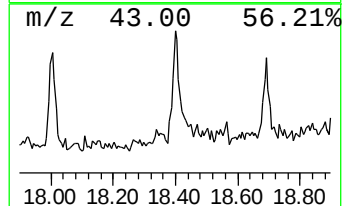
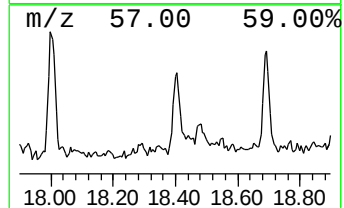
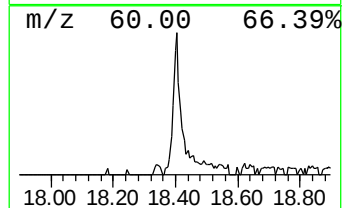
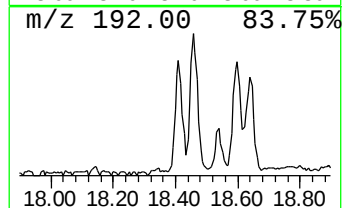
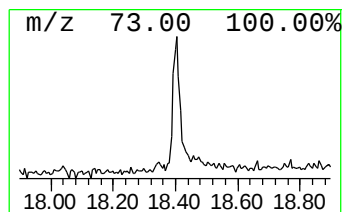
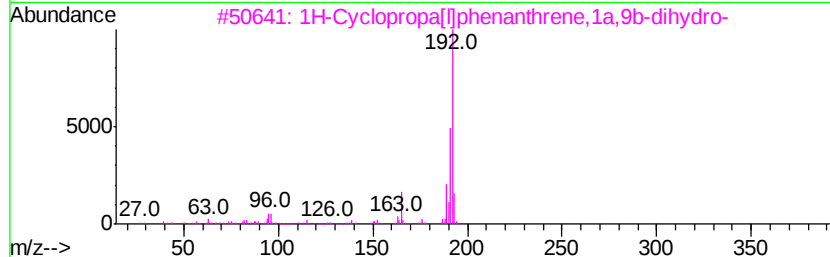
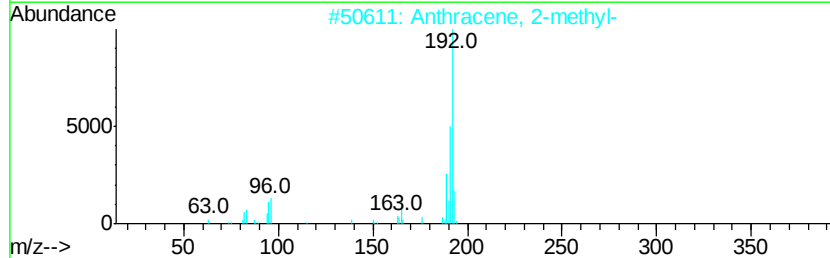
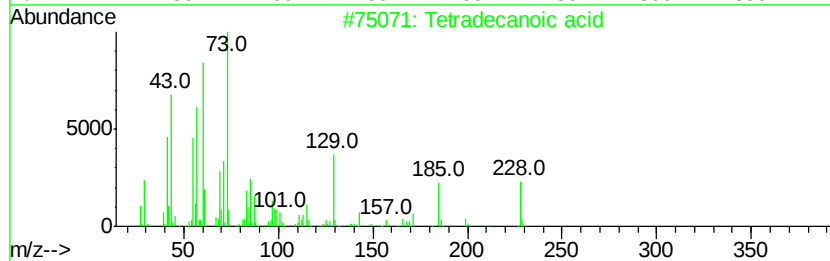
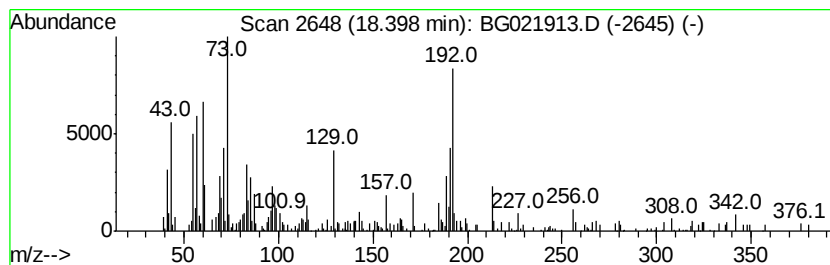
Instrument :  
BNA\_G  
ClientSampleId :  
D9XE0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Tetradecanoic acid Concentration Rank 1

| R.T.    | EstConc    | Area                                  | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------------------------|------------------|----------|-------------|------|
| 18.40   | 2.38 ng/ul | 115286                                | Phenanthrene-d10 | 17.54    |             |      |
| Hit# of | 5          | Tentative ID                          | MW               | MolForm  | CAS#        | Qual |
| 1       |            | Tetradecanoic acid                    | 228              | C14H28O2 | 000544-63-8 | 58   |
| 2       |            | Anthracene, 2-methyl-                 | 192              | C15H12   | 000613-12-7 | 46   |
| 3       |            | 1H-Cyclopropa[1,1]phenanthrene,1a,... | 192              | C15H12   | 000949-41-7 | 42   |
| 4       |            | Tridecanoic acid                      | 214              | C13H26O2 | 000638-53-9 | 38   |
| 5       |            | Undecanoic acid                       | 186              | C11H22O2 | 000112-37-8 | 38   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051616\  
Data File : BG021913.D  
Acq On : 16 May 2016 19:25  
Operator : UM/SJ  
Sample : H3095-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9XE0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG050916.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 |
| Tetradecanoic acid | 18.40 | 2.4     | ng/ul | 115286   | 4                     | 17.54 | 969997 | 20.0 |