

Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
 Data File : BG018955.D  
 Acq On : 29 Sep 2015 13:34  
 Operator : UM/NP  
 Sample : G3803-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E43J9

## 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-BG091015.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         | 3.084       | 36            | 42          | 50           | rBV      | 74541          | 132265        | 9.24%           | 1.605%        |
| 2         | 3.160       | 50            | 55          | 69           | rVB      | 218992         | 313448        | 21.89%          | 3.805%        |
| 3         | 3.460       | 101           | 106         | 111          | rVB3     | 6687           | 10258         | 0.72%           | 0.125%        |
| 4         | 3.936       | 185           | 187         | 190          | rVB      | 1847           | 1903          | 0.13%           | 0.023%        |
| 5         | 5.099       | 382           | 385         | 387          | rVB3     | 2137           | 2342          | 0.16%           | 0.028%        |
| 6         | 5.622       | 469           | 474         | 482          | rBV      | 11643          | 20795         | 1.45%           | 0.252%        |
| 7         | 7.155       | 730           | 735         | 738          | rBV3     | 9220           | 17096         | 1.19%           | 0.208%        |
| 8         | 7.308       | 753           | 761         | 769          | rBV      | 31012          | 55362         | 3.87%           | 0.672%        |
| 9         | 7.520       | 792           | 797         | 806          | rVB2     | 34785          | 55542         | 3.88%           | 0.674%        |
| 10        | 7.984       | 869           | 876         | 883          | rBV      | 150744         | 254841        | 17.80%          | 3.093%        |
| 11        | 8.695       | 990           | 997         | 1005         | rBV2     | 26767          | 49661         | 3.47%           | 0.603%        |
| 12        | 8.759       | 1005          | 1008        | 1013         | rVB6     | 1976           | 2674          | 0.19%           | 0.032%        |
| 13        | 9.147       | 1067          | 1074        | 1080         | rBV      | 33324          | 60362         | 4.22%           | 0.733%        |
| 14        | 9.558       | 1139          | 1144        | 1149         | rBV5     | 4066           | 7170          | 0.50%           | 0.087%        |
| 15        | 9.729       | 1169          | 1173        | 1176         | rVB4     | 1328           | 1928          | 0.13%           | 0.023%        |
| 16        | 9.870       | 1191          | 1197        | 1203         | rBV      | 28643          | 49041         | 3.43%           | 0.595%        |
| 17        | 10.040      | 1224          | 1226        | 1232         | rVB3     | 3774           | 5063          | 0.35%           | 0.061%        |
| 18        | 10.199      | 1244          | 1253        | 1258         | rVB5     | 7860           | 15396         | 1.08%           | 0.187%        |
| 19        | 10.334      | 1269          | 1276        | 1280         | rBV7     | 2818           | 5977          | 0.42%           | 0.073%        |
| 20        | 10.410      | 1282          | 1289        | 1299         | rVV      | 45466          | 85795         | 5.99%           | 1.041%        |
| 21        | 10.598      | 1318          | 1321        | 1325         | rVB5     | 1400           | 2066          | 0.14%           | 0.025%        |
| 22        | 10.692      | 1333          | 1337        | 1341         | rVB4     | 1950           | 1966          | 0.14%           | 0.024%        |
| 23        | 10.786      | 1346          | 1353        | 1360         | rBV      | 220694         | 399149        | 27.88%          | 4.845%        |
| 24        | 10.922      | 1370          | 1376        | 1385         | rBV      | 45976          | 89702         | 6.26%           | 1.089%        |
| 25        | 11.074      | 1397          | 1402        | 1406         | rVB5     | 1105           | 2306          | 0.16%           | 0.028%        |
| 26        | 11.503      | 1472          | 1475        | 1482         | rVB5     | 4214           | 8176          | 0.57%           | 0.099%        |
| 27        | 12.050      | 1564          | 1568        | 1572         | rVB4     | 4510           | 5409          | 0.38%           | 0.066%        |
| 28        | 12.120      | 1577          | 1580        | 1583         | rBV4     | 1543           | 1784          | 0.12%           | 0.022%        |
| 29        | 12.778      | 1688          | 1692        | 1693         | rBV4     | 1486           | 2016          | 0.14%           | 0.024%        |
| 30        | 12.825      | 1697          | 1700        | 1703         | rBV3     | 1491           | 1927          | 0.13%           | 0.023%        |
| 31        | 12.966      | 1721          | 1724        | 1732         | rVB4     | 7331           | 12316         | 0.86%           | 0.149%        |
| 32        | 13.219      | 1762          | 1767        | 1772         | rVB2     | 11132          | 16313         | 1.14%           | 0.198%        |
| 33        | 13.571      | 1824          | 1827        | 1832         | rVB6     | 1543           | 2179          | 0.15%           | 0.026%        |
| 34        | 13.665      | 1841          | 1843        | 1847         | rVB3     | 1512           | 2002          | 0.14%           | 0.024%        |

Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
 Data File : BG018955.D  
 Acq On : 29 Sep 2015 13:34  
 Operator : UM/NP  
 Sample : G3803-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E43J9

## 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-BG091015.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 14.012 | 1897 | 1902 | 1906 | rBV  | 102629 | 151348 | 10.57% | 1.837%  |
| 36 | 14.059 | 1906 | 1910 | 1920 | rVB  | 71682  | 104386 | 7.29%  | 1.267%  |
| 37 | 14.135 | 1920 | 1923 | 1926 | rBV5 | 1941   | 2270   | 0.16%  | 0.028%  |
| 38 | 14.253 | 1939 | 1943 | 1946 | rBV5 | 2657   | 4022   | 0.28%  | 0.049%  |
| 39 | 14.306 | 1946 | 1952 | 1958 | rVB  | 86432  | 134195 | 9.37%  | 1.629%  |
| 40 | 14.494 | 1980 | 1984 | 1990 | rBV6 | 5722   | 8923   | 0.62%  | 0.108%  |
| 41 | 14.611 | 1997 | 2004 | 2013 | rVB2 | 384380 | 646303 | 45.14% | 7.845%  |
| 42 | 14.823 | 2036 | 2040 | 2052 | rVB5 | 9182   | 20076  | 1.40%  | 0.244%  |
| 43 | 14.911 | 2052 | 2055 | 2057 | rBV3 | 1389   | 1965   | 0.14%  | 0.024%  |
| 44 | 15.111 | 2087 | 2089 | 2092 | rBV4 | 2529   | 3188   | 0.22%  | 0.039%  |
| 45 | 15.181 | 2098 | 2101 | 2106 | rVB4 | 2145   | 2151   | 0.15%  | 0.026%  |
| 46 | 15.340 | 2123 | 2128 | 2133 | rBV  | 15657  | 22160  | 1.55%  | 0.269%  |
| 47 | 15.393 | 2135 | 2137 | 2140 | rVV2 | 4950   | 6125   | 0.43%  | 0.074%  |
| 48 | 15.452 | 2142 | 2147 | 2151 | rVB  | 17115  | 23385  | 1.63%  | 0.284%  |
| 49 | 15.551 | 2161 | 2164 | 2166 | rVB3 | 1981   | 2285   | 0.16%  | 0.028%  |
| 50 | 15.598 | 2166 | 2172 | 2179 | rBV  | 101605 | 156343 | 10.92% | 1.898%  |
| 51 | 15.722 | 2188 | 2193 | 2201 | rBV2 | 24123  | 37319  | 2.61%  | 0.453%  |
| 52 | 15.804 | 2201 | 2207 | 2209 | rVV2 | 8370   | 13352  | 0.93%  | 0.162%  |
| 53 | 15.845 | 2209 | 2214 | 2219 | rVV7 | 8626   | 19539  | 1.36%  | 0.237%  |
| 54 | 15.886 | 2219 | 2221 | 2226 | rVB4 | 2121   | 2559   | 0.18%  | 0.031%  |
| 55 | 15.963 | 2229 | 2234 | 2235 | rBV5 | 3802   | 4615   | 0.32%  | 0.056%  |
| 56 | 16.004 | 2238 | 2241 | 2247 | rBV5 | 2708   | 5419   | 0.38%  | 0.066%  |
| 57 | 16.069 | 2249 | 2252 | 2254 | rVV4 | 2703   | 2710   | 0.19%  | 0.033%  |
| 58 | 16.110 | 2254 | 2259 | 2266 | rVB  | 93964  | 134404 | 9.39%  | 1.631%  |
| 59 | 16.198 | 2271 | 2274 | 2279 | rBV6 | 3041   | 3634   | 0.25%  | 0.044%  |
| 60 | 16.304 | 2283 | 2292 | 2296 | rBV5 | 28797  | 62206  | 4.34%  | 0.755%  |
| 61 | 16.427 | 2311 | 2313 | 2319 | rVB4 | 8214   | 12422  | 0.87%  | 0.151%  |
| 62 | 16.486 | 2319 | 2323 | 2327 | rBV3 | 15316  | 21592  | 1.51%  | 0.262%  |
| 63 | 16.615 | 2340 | 2345 | 2351 | rBV  | 62963  | 87175  | 6.09%  | 1.058%  |
| 64 | 16.768 | 2369 | 2371 | 2374 | rVB4 | 3826   | 2437   | 0.17%  | 0.030%  |
| 65 | 16.809 | 2376 | 2378 | 2379 | rBV2 | 3942   | 3513   | 0.25%  | 0.043%  |
| 66 | 16.997 | 2407 | 2410 | 2411 | rBV3 | 2135   | 1889   | 0.13%  | 0.023%  |
| 67 | 17.014 | 2411 | 2413 | 2414 | rBV2 | 2448   | 2267   | 0.16%  | 0.028%  |
| 68 | 17.097 | 2423 | 2427 | 2431 | rBV2 | 21919  | 28307  | 1.98%  | 0.344%  |
| 69 | 17.144 | 2432 | 2435 | 2441 | rVB5 | 6735   | 11796  | 0.82%  | 0.143%  |
| 70 | 17.355 | 2464 | 2471 | 2480 | rVV2 | 639874 | 974869 | 68.09% | 11.833% |
| 71 | 17.449 | 2483 | 2487 | 2496 | rVB2 | 56789  | 84578  | 5.91%  | 1.027%  |

Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
 Data File : BG018955.D  
 Acq On : 29 Sep 2015 13:34  
 Operator : UM/NP  
 Sample : G3803-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E43J9

## 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-BG091015.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 72 | 17.567 | 2505 | 2507 | 2508 | rBV2 | 4741   | 2927    | 0.20%   | 0.036%  |
| 73 | 17.837 | 2548 | 2553 | 2557 | rBV3 | 17358  | 23302   | 1.63%   | 0.283%  |
| 74 | 18.107 | 2597 | 2599 | 2602 | rBV3 | 2369   | 3234    | 0.23%   | 0.039%  |
| 75 | 18.307 | 2630 | 2633 | 2635 | rVB2 | 4643   | 5085    | 0.36%   | 0.062%  |
| 76 | 18.577 | 2677 | 2679 | 2680 | rBV2 | 3248   | 1874    | 0.13%   | 0.023%  |
| 77 | 18.636 | 2685 | 2689 | 2695 | rVB3 | 32260  | 42828   | 2.99%   | 0.520%  |
| 78 | 18.677 | 2695 | 2696 | 2698 | rBV2 | 4214   | 2620    | 0.18%   | 0.032%  |
| 79 | 18.730 | 2702 | 2705 | 2709 | rBV4 | 7258   | 9269    | 0.65%   | 0.113%  |
| 80 | 18.818 | 2715 | 2720 | 2727 | rVB3 | 57590  | 85898   | 6.00%   | 1.043%  |
| 81 | 18.959 | 2741 | 2744 | 2748 | rVB4 | 9935   | 10993   | 0.77%   | 0.133%  |
| 82 | 19.012 | 2748 | 2753 | 2758 | rVB7 | 10335  | 20133   | 1.41%   | 0.244%  |
| 83 | 19.089 | 2762 | 2766 | 2771 | rVB7 | 7587   | 11273   | 0.79%   | 0.137%  |
| 84 | 19.312 | 2802 | 2804 | 2805 | rBV2 | 4027   | 3062    | 0.21%   | 0.037%  |
| 85 | 19.388 | 2815 | 2817 | 2818 | rBV2 | 3892   | 2064    | 0.14%   | 0.025%  |
| 86 | 19.647 | 2857 | 2861 | 2866 | rVB  | 61803  | 72206   | 5.04%   | 0.876%  |
| 87 | 19.735 | 2871 | 2876 | 2886 | rBV  | 148936 | 234642  | 16.39%  | 2.848%  |
| 88 | 20.175 | 2946 | 2951 | 2955 | rBV  | 64915  | 89476   | 6.25%   | 1.086%  |
| 89 | 20.687 | 3034 | 3038 | 3041 | rBV2 | 52366  | 56375   | 3.94%   | 0.684%  |
| 90 | 21.245 | 3129 | 3133 | 3143 | rVB2 | 111495 | 170069  | 11.88%  | 2.064%  |
| 91 | 21.327 | 3145 | 3147 | 3154 | rVB2 | 33912  | 44887   | 3.13%   | 0.545%  |
| 92 | 21.609 | 3188 | 3195 | 3205 | rVB  | 895080 | 1431834 | 100.00% | 17.379% |
| 93 | 24.788 | 3726 | 3736 | 3748 | rVB2 | 509493 | 1414844 | 98.81%  | 17.173% |

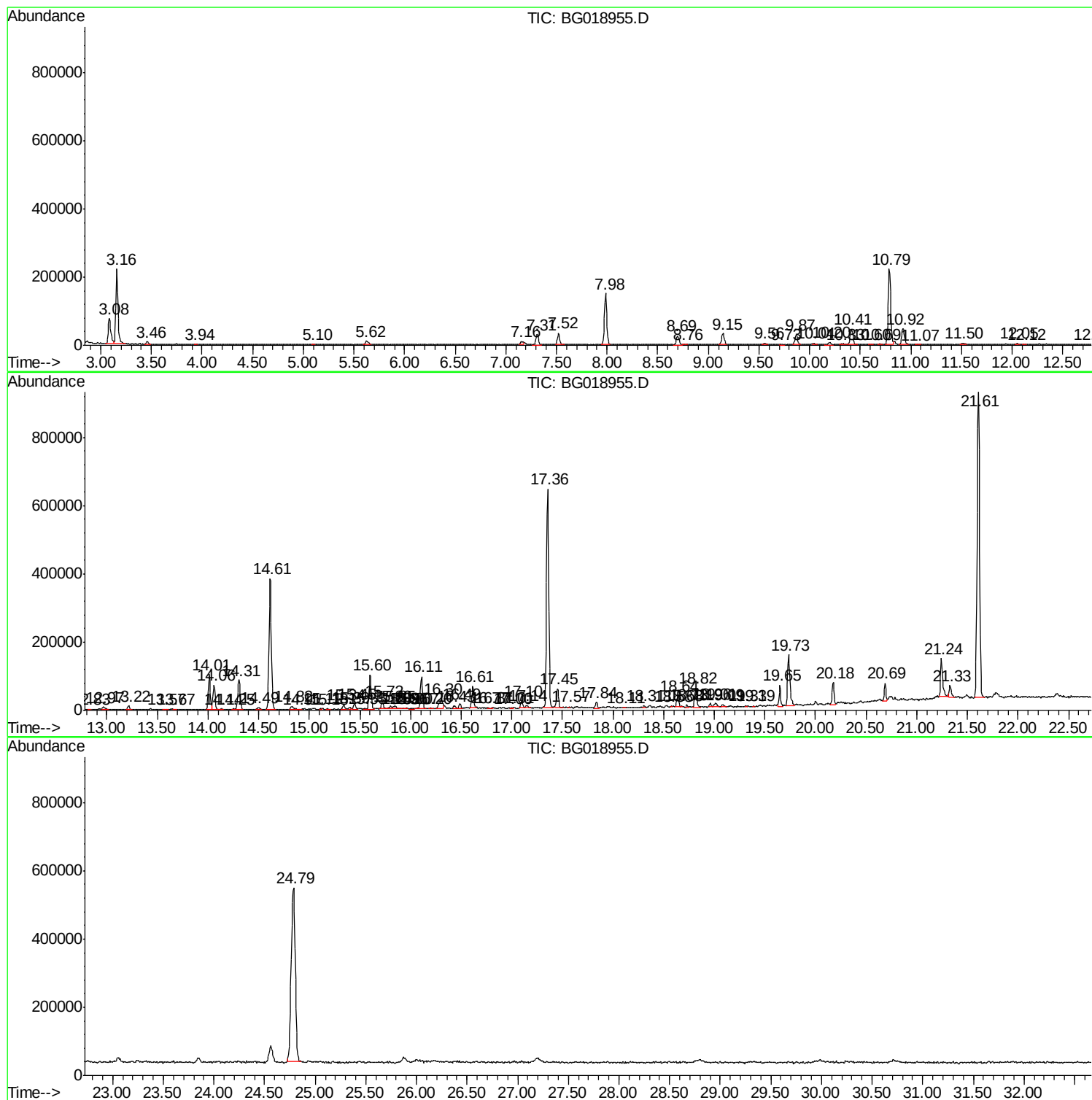
Sum of corrected areas: 8238852

Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
Data File : BG018955.D  
Acq On : 29 Sep 2015 13:34  
Operator : UM/NP  
Sample : G3803-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E43J9

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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



Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
Data File : BG018955.D  
Acq On : 29 Sep 2015 13:34  
Operator : UM/NP  
Sample : G3803-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E43J9

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

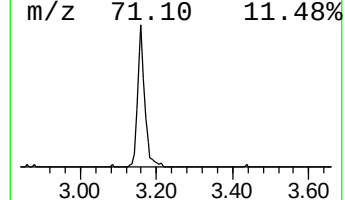
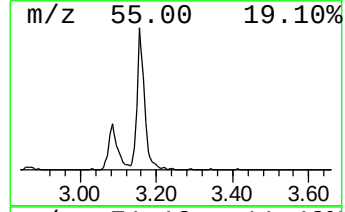
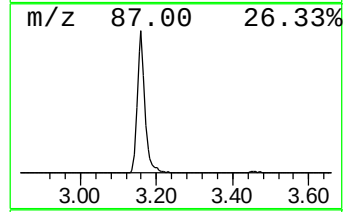
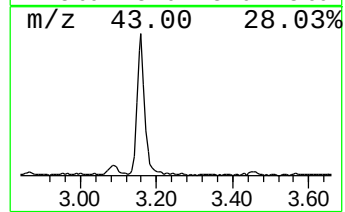
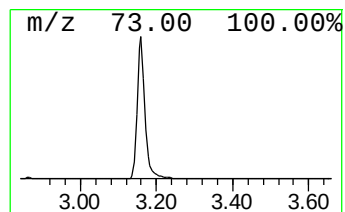
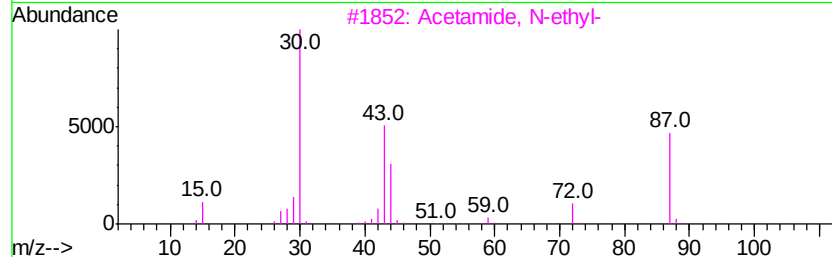
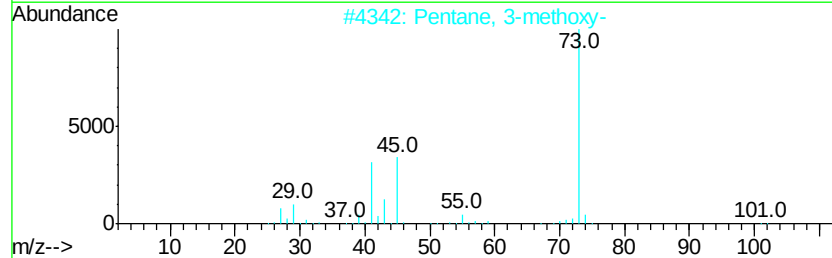
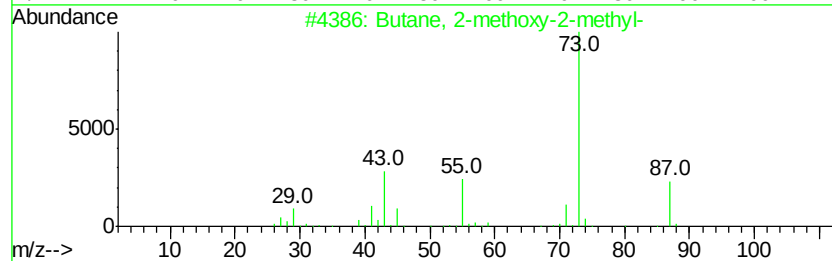
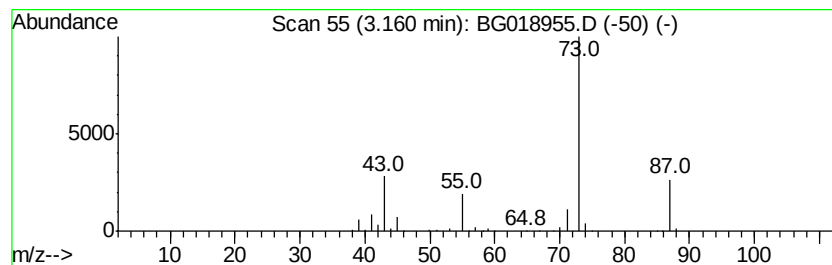
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.16 | 24.60 ng/ul | 313448 | 1,4-Dichlorobenzene-d4 | 7.98 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |



Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
Data File : BG018955.D  
Acq On : 29 Sep 2015 13:34  
Operator : UM/NP  
Sample : G3803-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E43J9

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

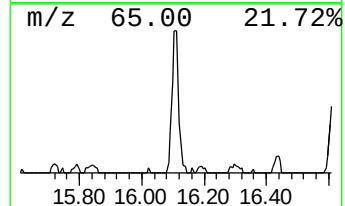
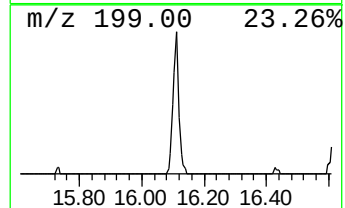
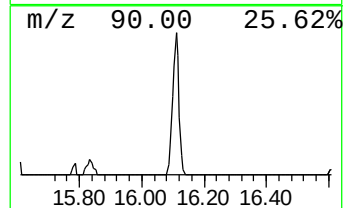
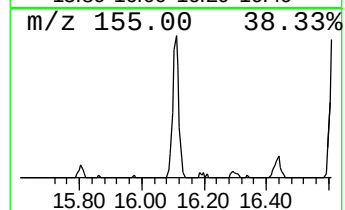
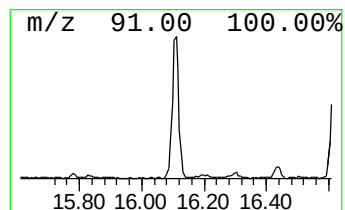
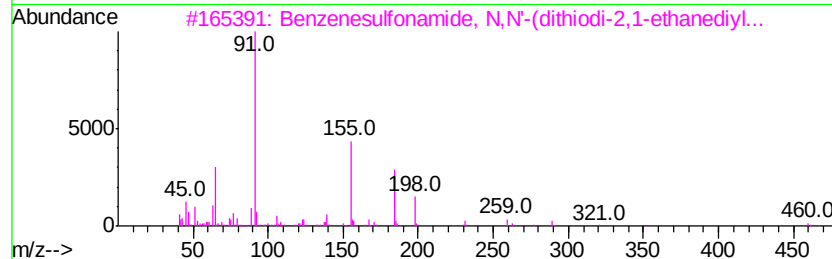
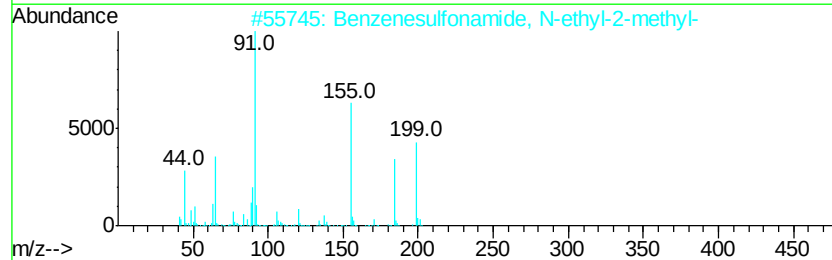
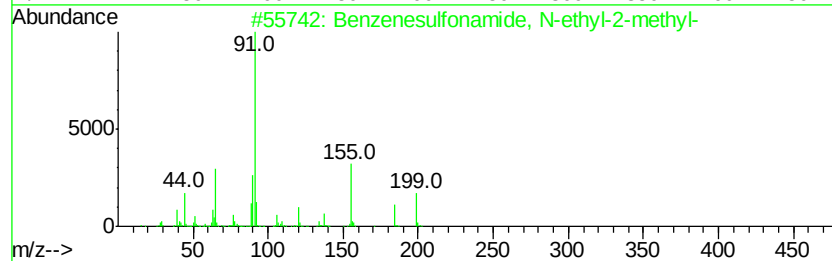
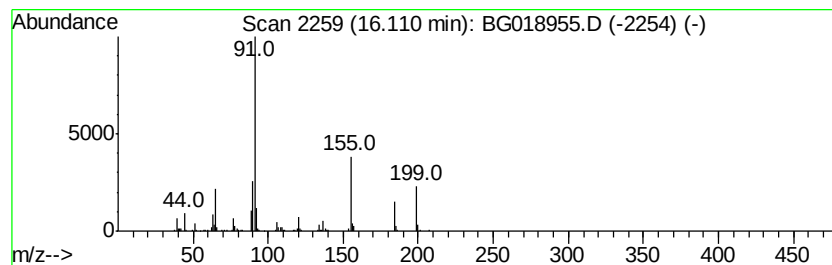
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzenesulfonamide, N-ethyl... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.11 | 2.76 ng/ul | 134404 | Phenanthrene-d10 | 17.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Benzenesulfonamide, N-ethyl-2-me... | 199 | C9H13NO2S    | 001077-56-1  | 90   |
| 2    |    | Benzenesulfonamide, N-ethyl-2-me... | 199 | C9H13NO2S    | 001077-56-1  | 74   |
| 3    |    | Benzenesulfonamide, N,N'-(dithio... | 460 | C18H24N2O4S4 | 023516-74-7  | 53   |
| 4    |    | Ethyl(E/Z)-.alpha.-cyano-4-nitro... | 416 | C19H16N2O7S  | 1000287-26-8 | 50   |
| 5    |    | Benzenesulfonamide, N,4-dimethyl... | 214 | C8H10N2O3S   | 000080-11-5  | 50   |



Data Path : U:\HPCHEM1\BNA G\DATA\BG092915\  
Data File : BG018955.D  
Acq On : 29 Sep 2015 13:34  
Operator : UM/NP  
Sample : G3803-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

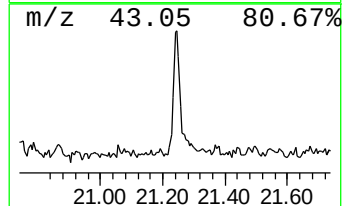
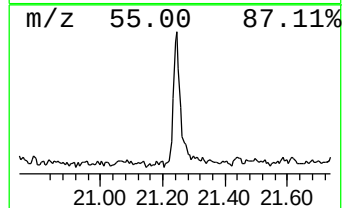
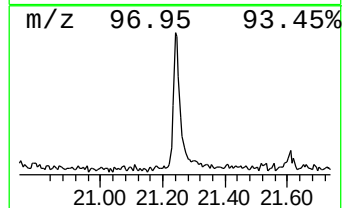
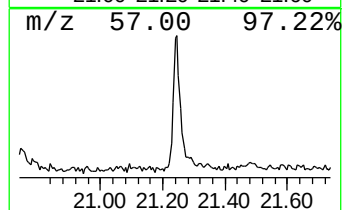
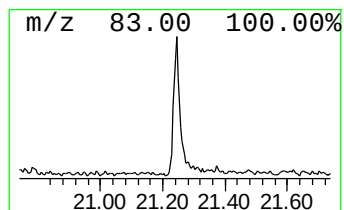
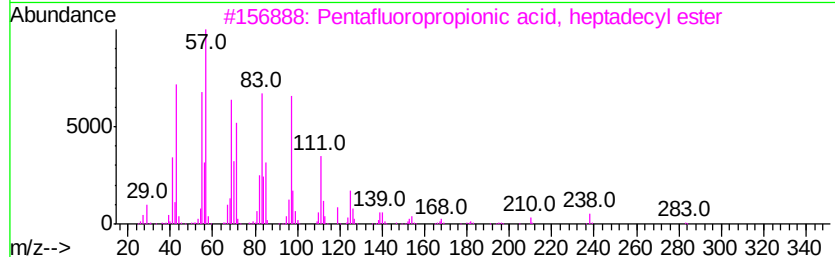
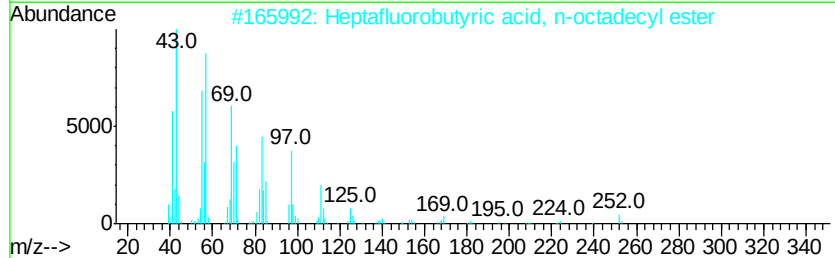
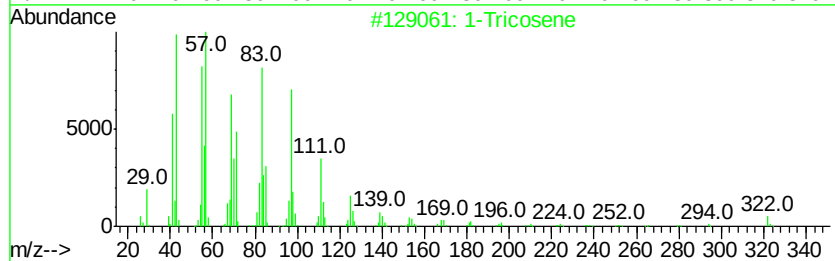
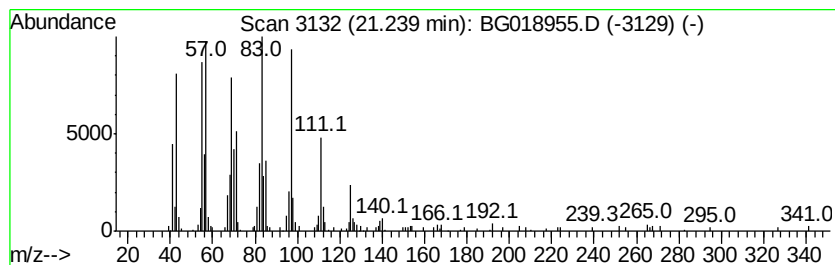
Instrument :  
BNA\_G  
ClientSampleId :  
E43J9

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic21.24 Concentration Rank 4

| R.T.      | EstConc                                     | Area   | Relative to ISTD | R.T.         |      |
|-----------|---------------------------------------------|--------|------------------|--------------|------|
| 21.24     | 2.38 ng/ul                                  | 170069 | Chrysene-d12     | 21.61        |      |
| Hit# of 5 | Tentative ID                                | MW     | MolForm          | CAS#         | Qual |
| 1         | 1-Tricosene                                 | 322    | C23H46           | 018835-32-0  | 91   |
| 2         | Heptafluorobutyric acid, n-octadecyl ester  | 466    | C22H37F7O2       | 000400-57-7  | 87   |
| 3         | Pentafluoropropionic acid, heptadecyl ester | 402    | C20H35F5O2       | 1000283-04-2 | 83   |
| 4         | Trichloroacetic acid, hexadecyl ester       | 386    | C18H33Cl3O2      | 074339-54-1  | 83   |
| 5         | 2-Chloropropionic acid, octadecyl ester     | 360    | C21H41ClO2       | 088104-31-8  | 83   |



Data Path : U:\HPCHEM1\BNA\_G\DATA\BG092915\  
Data File : BG018955.D  
Acq On : 29 Sep 2015 13:34  
Operator : UM/NP  
Sample : G3803-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E43J9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.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... | 3.16  | 24.6    | ng/ul | 313448   | 1                     | 7.98  | 254841  | 20.0 |
| Benzenesulfonamid... | 16.11 | 2.8     | ng/ul | 134404   | 4                     | 17.36 | 974869  | 20.0 |
| (DEL) Alkane: Cyc... | 21.24 | 2.4     | ng/ul | 170069   | 5                     | 21.61 | 1431830 | 20.0 |