

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
 Data File : BG022759.D  
 Acq On : 1 Jul 2016 13:45  
 Operator : UM/SJ  
 Sample : H3811-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4TV1

## 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-BG063016.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         | 4.307       | 246           | 250         | 253          | rBV3     | 11884          | 13212         | 0.27%           | 0.022%        |
| 2         | 4.607       | 297           | 301         | 304          | rBV4     | 7642           | 13733         | 0.28%           | 0.022%        |
| 3         | 4.760       | 325           | 327         | 333          | rBV5     | 6415           | 11887         | 0.24%           | 0.019%        |
| 4         | 4.930       | 354           | 356         | 359          | rVB3     | 8534           | 8862          | 0.18%           | 0.015%        |
| 5         | 5.012       | 368           | 370         | 375          | rBV4     | 5450           | 8183          | 0.17%           | 0.013%        |
| 6         | 5.242       | 406           | 409         | 411          | rBV4     | 6797           | 9464          | 0.19%           | 0.015%        |
| 7         | 5.377       | 429           | 432         | 434          | rVV3     | 6876           | 8327          | 0.17%           | 0.014%        |
| 8         | 5.394       | 434           | 435         | 440          | rVB4     | 5321           | 7615          | 0.16%           | 0.012%        |
| 9         | 6.746       | 658           | 665         | 667          | rBV5     | 7603           | 15057         | 0.31%           | 0.025%        |
| 10        | 6.793       | 669           | 673         | 674          | rVV3     | 9301           | 11124         | 0.23%           | 0.018%        |
| 11        | 6.834       | 676           | 680         | 682          | rVB5     | 10045          | 13739         | 0.28%           | 0.022%        |
| 12        | 7.310       | 754           | 761         | 772          | rBV      | 671222         | 1289241       | 26.44%          | 2.110%        |
| 13        | 7.480       | 780           | 790         | 798          | rBV      | 471437         | 874368        | 17.93%          | 1.431%        |
| 14        | 7.592       | 806           | 809         | 814          | rBV4     | 23917          | 39050         | 0.80%           | 0.064%        |
| 15        | 7.692       | 818           | 826         | 836          | rBV      | 602034         | 1130802       | 23.19%          | 1.851%        |
| 16        | 7.762       | 836           | 838         | 842          | rVB5     | 8177           | 11140         | 0.23%           | 0.018%        |
| 17        | 7.827       | 848           | 849         | 854          | rBV4     | 6991           | 9739          | 0.20%           | 0.016%        |
| 18        | 8.162       | 897           | 906         | 917          | rBV2     | 537811         | 1002311       | 20.55%          | 1.641%        |
| 19        | 8.379       | 937           | 943         | 945          | rBV4     | 22897          | 35221         | 0.72%           | 0.058%        |
| 20        | 8.508       | 963           | 965         | 968          | rVB4     | 7014           | 8297          | 0.17%           | 0.014%        |
| 21        | 8.538       | 968           | 970         | 972          | rBV3     | 9702           | 7851          | 0.16%           | 0.013%        |
| 22        | 8.696       | 993           | 997         | 999          | rBV5     | 7488           | 8348          | 0.17%           | 0.014%        |
| 23        | 8.867       | 1016          | 1026        | 1035         | rBV      | 802534         | 1424168       | 29.20%          | 2.331%        |
| 24        | 8.990       | 1045          | 1047        | 1050         | rVB3     | 7559           | 8698          | 0.18%           | 0.014%        |
| 25        | 9.331       | 1098          | 1105        | 1115         | rBV      | 666762         | 1189216       | 24.38%          | 1.947%        |
| 26        | 9.725       | 1168          | 1172        | 1174         | rBV4     | 16021          | 17456         | 0.36%           | 0.029%        |
| 27        | 10.059      | 1221          | 1229        | 1236         | rBV2     | 599317         | 1092002       | 22.39%          | 1.788%        |
| 28        | 10.195      | 1249          | 1252        | 1256         | rBV3     | 10719          | 14418         | 0.30%           | 0.024%        |
| 29        | 10.606      | 1314          | 1322        | 1330         | rBV      | 921740         | 1670588       | 34.26%          | 2.735%        |
| 30        | 10.988      | 1380          | 1387        | 1395         | rBV      | 771644         | 1480272       | 30.35%          | 2.423%        |
| 31        | 11.123      | 1401          | 1410        | 1419         | rBV      | 383368         | 757682        | 15.54%          | 1.240%        |
| 32        | 11.757      | 1512          | 1518        | 1520         | rBV5     | 11702          | 22864         | 0.47%           | 0.037%        |
| 33        | 11.987      | 1555          | 1557        | 1561         | rVB4     | 6189           | 8586          | 0.18%           | 0.014%        |
| 34        | 12.157      | 1582          | 1586        | 1589         | rVB4     | 7538           | 7262          | 0.15%           | 0.012%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.310 | 1608 | 1612 | 1614 | rBV3 | 7036    | 8013    | 0.16%  | 0.013% |
| 36 | 12.333 | 1614 | 1616 | 1620 | rBV4 | 7069    | 8216    | 0.17%  | 0.013% |
| 37 | 12.557 | 1650 | 1654 | 1659 | rBV6 | 17196   | 36015   | 0.74%  | 0.059% |
| 38 | 12.962 | 1719 | 1723 | 1726 | rVB3 | 6706    | 9554    | 0.20%  | 0.016% |
| 39 | 13.003 | 1726 | 1730 | 1732 | rBV3 | 8166    | 9049    | 0.19%  | 0.015% |
| 40 | 13.068 | 1740 | 1741 | 1745 | rVB5 | 9526    | 7850    | 0.16%  | 0.013% |
| 41 | 13.156 | 1753 | 1756 | 1761 | rBV5 | 13920   | 16759   | 0.34%  | 0.027% |
| 42 | 13.403 | 1794 | 1798 | 1801 | rVB6 | 18229   | 22726   | 0.47%  | 0.037% |
| 43 | 13.438 | 1801 | 1804 | 1806 | rBV3 | 7653    | 8795    | 0.18%  | 0.014% |
| 44 | 13.608 | 1829 | 1833 | 1836 | rVB6 | 8613    | 12009   | 0.25%  | 0.020% |
| 45 | 13.685 | 1839 | 1846 | 1849 | rBV7 | 38913   | 80643   | 1.65%  | 0.132% |
| 46 | 13.714 | 1849 | 1851 | 1858 | rVB6 | 45205   | 72098   | 1.48%  | 0.118% |
| 47 | 13.802 | 1863 | 1866 | 1867 | rVB3 | 7726    | 7229    | 0.15%  | 0.012% |
| 48 | 14.114 | 1916 | 1919 | 1926 | rBV7 | 11967   | 24563   | 0.50%  | 0.040% |
| 49 | 14.196 | 1927 | 1933 | 1938 | rVV  | 1810996 | 2689687 | 55.15% | 4.403% |
| 50 | 14.243 | 1938 | 1941 | 1949 | rVB  | 509607  | 730815  | 14.99% | 1.196% |
| 51 | 14.437 | 1971 | 1974 | 1976 | rBV4 | 6050    | 8103    | 0.17%  | 0.013% |
| 52 | 14.495 | 1978 | 1984 | 1994 | rVB  | 1758942 | 2879468 | 59.04% | 4.714% |
| 53 | 14.672 | 2010 | 2014 | 2020 | rBV2 | 37193   | 52315   | 1.07%  | 0.086% |
| 54 | 14.760 | 2023 | 2029 | 2030 | rVV5 | 30594   | 50116   | 1.03%  | 0.082% |
| 55 | 14.801 | 2030 | 2036 | 2043 | rVV2 | 1386160 | 2354838 | 48.29% | 3.855% |
| 56 | 14.860 | 2043 | 2046 | 2051 | rVB7 | 25737   | 37836   | 0.78%  | 0.062% |
| 57 | 14.995 | 2062 | 2069 | 2076 | rBV  | 736043  | 1254154 | 25.72% | 2.053% |
| 58 | 15.054 | 2076 | 2079 | 2086 | rVB3 | 72482   | 109105  | 2.24%  | 0.179% |
| 59 | 15.142 | 2091 | 2094 | 2097 | rBV5 | 21276   | 29010   | 0.59%  | 0.047% |
| 60 | 15.206 | 2104 | 2105 | 2111 | rVB6 | 25917   | 20164   | 0.41%  | 0.033% |
| 61 | 15.289 | 2115 | 2119 | 2120 | rBV3 | 8781    | 11009   | 0.23%  | 0.018% |
| 62 | 15.359 | 2126 | 2131 | 2133 | rBV5 | 19272   | 19859   | 0.41%  | 0.033% |
| 63 | 15.577 | 2164 | 2168 | 2170 | rBV5 | 18787   | 19852   | 0.41%  | 0.032% |
| 64 | 15.624 | 2172 | 2176 | 2181 | rVB3 | 49974   | 69005   | 1.41%  | 0.113% |
| 65 | 15.794 | 2198 | 2205 | 2216 | rVB  | 2569331 | 3954339 | 81.08% | 6.473% |
| 66 | 15.906 | 2218 | 2224 | 2234 | rVB  | 800956  | 1244400 | 25.52% | 2.037% |
| 67 | 16.029 | 2239 | 2245 | 2250 | rVV7 | 51666   | 118562  | 2.43%  | 0.194% |
| 68 | 16.111 | 2255 | 2259 | 2262 | rBV6 | 35958   | 59865   | 1.23%  | 0.098% |
| 69 | 16.158 | 2262 | 2267 | 2273 | rVB  | 549197  | 732959  | 15.03% | 1.200% |
| 70 | 16.334 | 2293 | 2297 | 2300 | rBV6 | 10466   | 16846   | 0.35%  | 0.028% |
| 71 | 16.487 | 2320 | 2323 | 2331 | rVB3 | 67782   | 108335  | 2.22%  | 0.177% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 16.681 | 2353 | 2356 | 2363 | rVB9 | 24785   | 46383   | 0.95%   | 0.076% |
| 73  | 16.922 | 2394 | 2397 | 2400 | rBV5 | 24259   | 30145   | 0.62%   | 0.049% |
| 74  | 16.998 | 2407 | 2410 | 2413 | rBV5 | 20958   | 29756   | 0.61%   | 0.049% |
| 75  | 17.069 | 2419 | 2422 | 2423 | rBV3 | 24083   | 28303   | 0.58%   | 0.046% |
| 76  | 17.280 | 2455 | 2458 | 2462 | rVB2 | 113575  | 129949  | 2.66%   | 0.213% |
| 77  | 17.421 | 2479 | 2482 | 2484 | rBV4 | 35391   | 52523   | 1.08%   | 0.086% |
| 78  | 17.486 | 2491 | 2493 | 2498 | rVB6 | 30823   | 38532   | 0.79%   | 0.063% |
| 79  | 17.551 | 2498 | 2504 | 2512 | rBV2 | 1749363 | 2968888 | 60.88%  | 4.860% |
| 80  | 17.656 | 2515 | 2522 | 2530 | rVB2 | 2607618 | 4024488 | 82.52%  | 6.588% |
| 81  | 18.027 | 2581 | 2585 | 2589 | rVB  | 66012   | 82376   | 1.69%   | 0.135% |
| 82  | 18.121 | 2600 | 2601 | 2603 | rBV2 | 14909   | 11489   | 0.24%   | 0.019% |
| 83  | 18.309 | 2628 | 2633 | 2637 | rBV3 | 91904   | 143684  | 2.95%   | 0.235% |
| 84  | 18.367 | 2639 | 2643 | 2647 | rVV3 | 99175   | 151524  | 3.11%   | 0.248% |
| 85  | 18.420 | 2648 | 2652 | 2663 | rVB  | 720805  | 1038341 | 21.29%  | 1.700% |
| 86  | 19.337 | 2805 | 2808 | 2816 | rVB5 | 48030   | 72253   | 1.48%   | 0.118% |
| 87  | 19.566 | 2845 | 2847 | 2849 | rBV2 | 51290   | 55722   | 1.14%   | 0.091% |
| 88  | 19.683 | 2863 | 2867 | 2875 | rBV2 | 251623  | 350824  | 7.19%   | 0.574% |
| 89  | 19.936 | 2903 | 2910 | 2921 | rBV  | 3130575 | 4876880 | 100.00% | 7.983% |
| 90  | 21.464 | 3165 | 3170 | 3184 | rBV3 | 452475  | 991998  | 20.34%  | 1.624% |
| 91  | 21.716 | 3209 | 3213 | 3217 | rBV  | 289362  | 397718  | 8.16%   | 0.651% |
| 92  | 21.769 | 3217 | 3222 | 3228 | rVB  | 802722  | 1127948 | 23.13%  | 1.846% |
| 93  | 21.852 | 3230 | 3236 | 3243 | rBV  | 2052718 | 3430609 | 70.34%  | 5.616% |
| 94  | 22.668 | 3371 | 3375 | 3377 | rBV2 | 136776  | 218327  | 4.48%   | 0.357% |
| 95  | 23.591 | 3529 | 3532 | 3539 | rVB  | 163675  | 287403  | 5.89%   | 0.470% |
| 96  | 23.761 | 3557 | 3561 | 3570 | rVB8 | 146279  | 284685  | 5.84%   | 0.466% |
| 97  | 24.237 | 3636 | 3642 | 3648 | rVB  | 533697  | 1177408 | 24.14%  | 1.927% |
| 98  | 24.989 | 3761 | 3770 | 3781 | rBV2 | 1476179 | 4192989 | 85.98%  | 6.864% |
| 99  | 25.230 | 3802 | 3811 | 3825 | rVB2 | 1177250 | 3555091 | 72.90%  | 5.820% |
| 100 | 26.429 | 4006 | 4015 | 4026 | rVB3 | 698926  | 2166715 | 44.43%  | 3.547% |

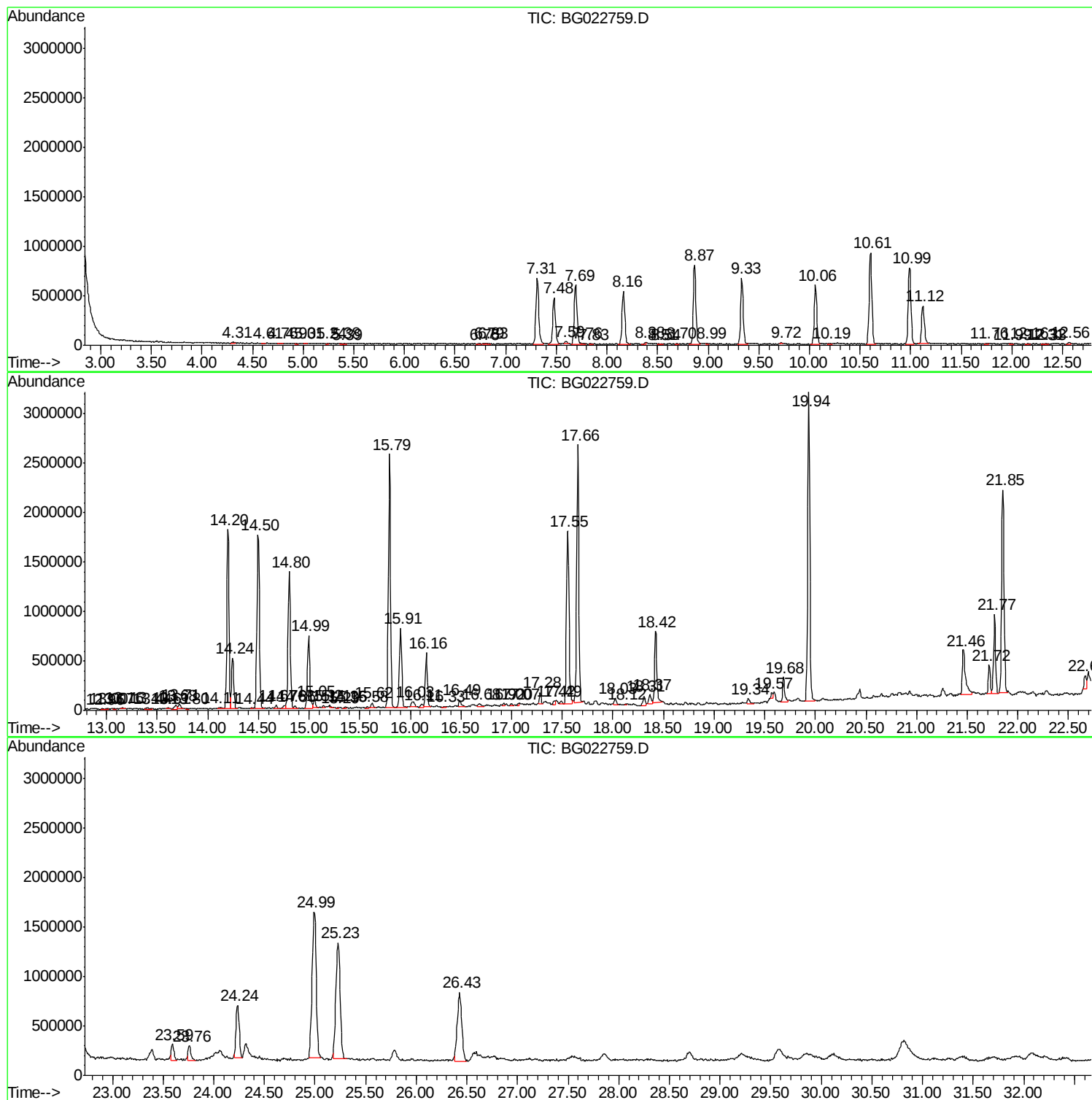
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

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



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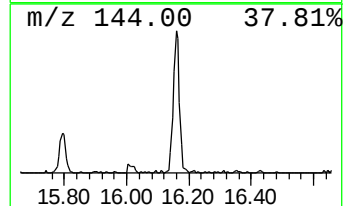
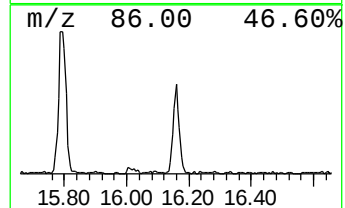
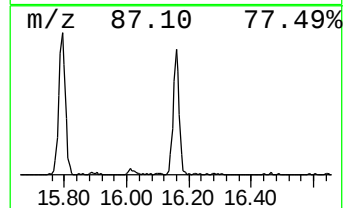
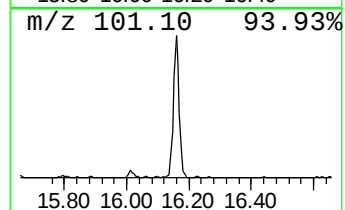
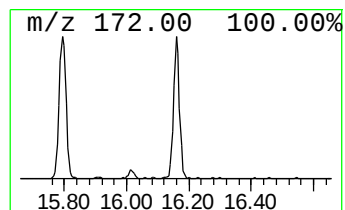
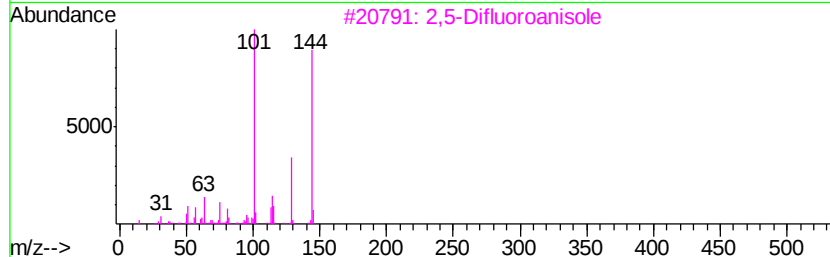
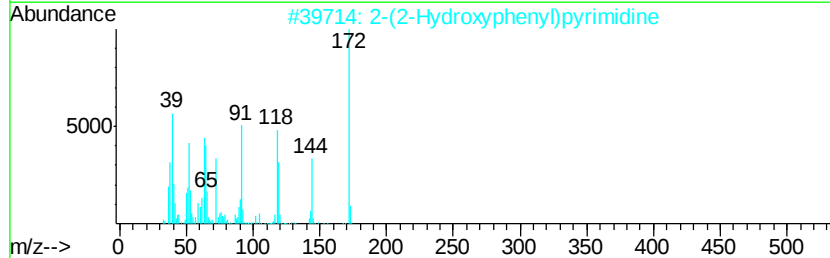
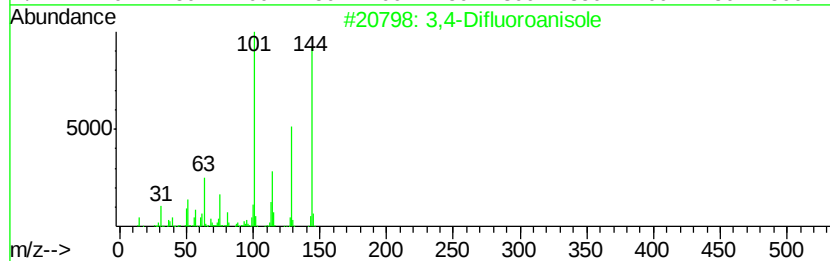
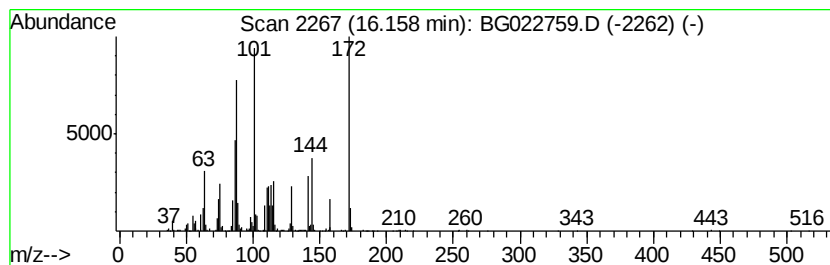
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 5

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 16.16     | 6.23 ng/ul                    | 732959 | Acenaphthene-d10 | 14.80       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | 3,4-Difluoroanisole           | 144    | C7H6F2O          | 115144-40-6 | 22   |
| 2         | 2-(2-Hydroxyphenyl)pyrimidine | 172    | C10H8N2O         | 064435-20-7 | 18   |
| 3         | 2,5-Difluoroanisole           | 144    | C7H6F2O          | 075626-17-4 | 14   |
| 4         | Formamide, N,N-diethyl-       | 101    | C5H11NO          | 000617-84-5 | 14   |
| 5         | Formamide, N,N-diethyl-       | 101    | C5H11NO          | 000617-84-5 | 14   |



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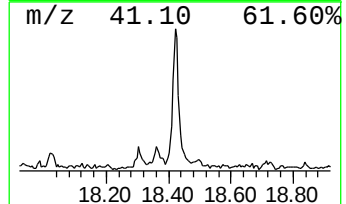
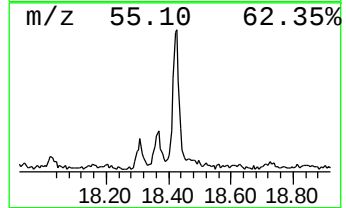
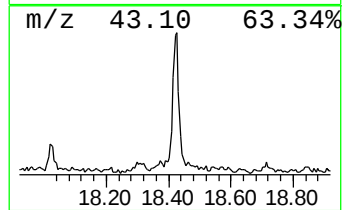
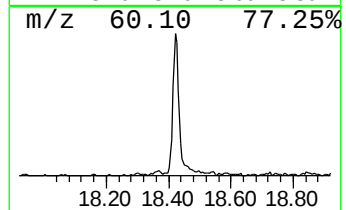
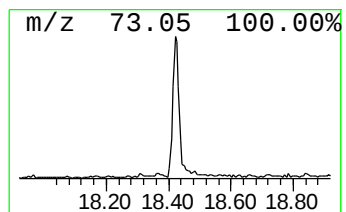
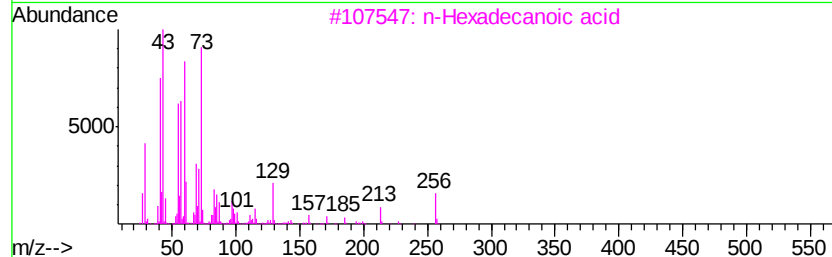
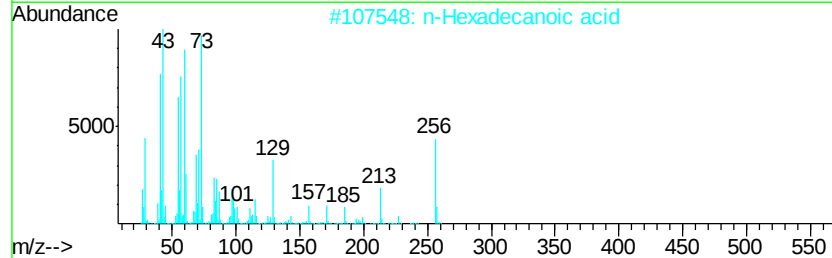
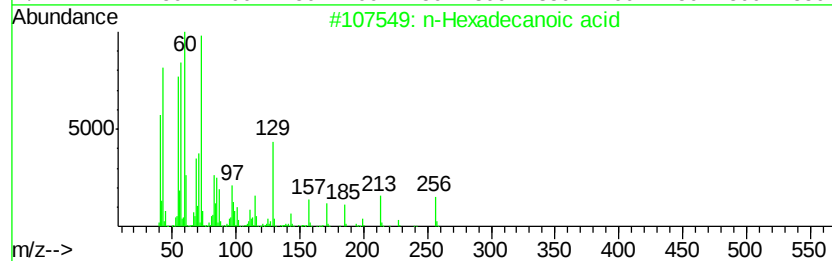
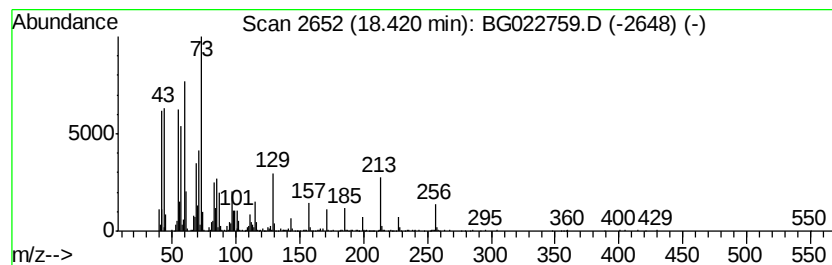
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 18.42 | 6.99 ng/ul | 1038340 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

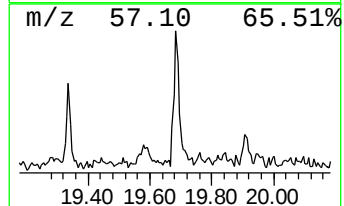
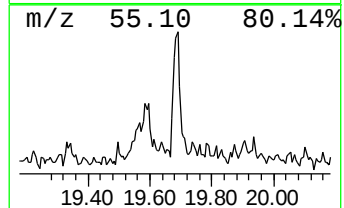
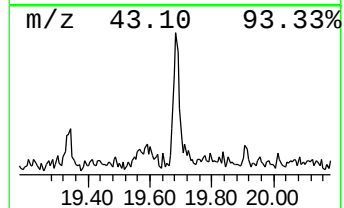
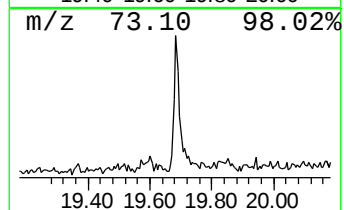
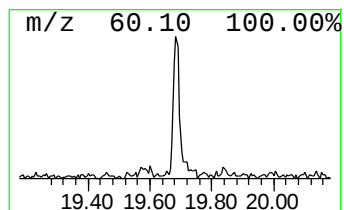
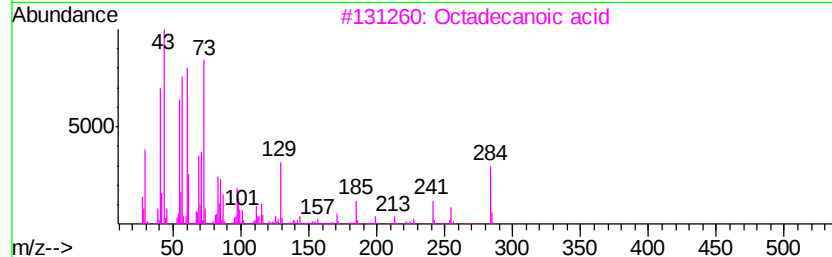
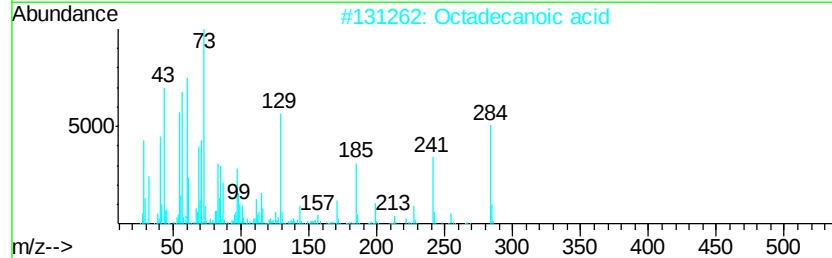
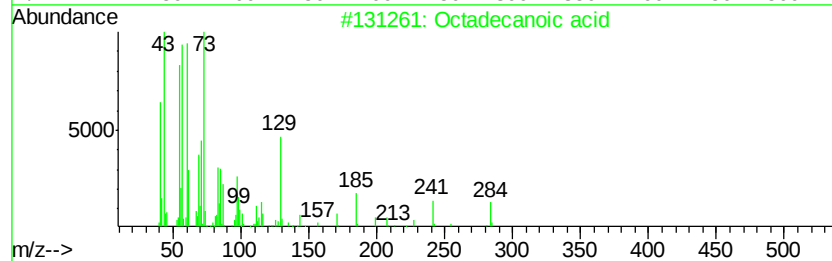
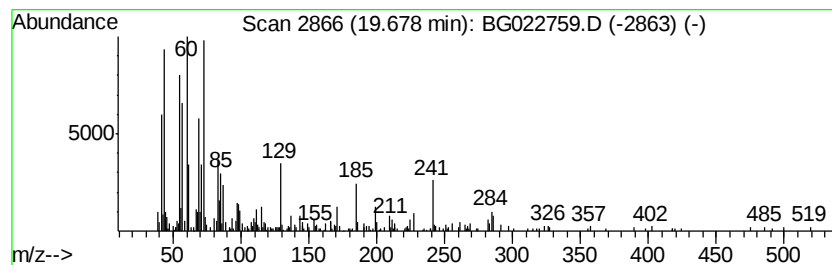
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.68 | 2.36 ng/ul | 350824 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93   |
| 3    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91   |
| 4    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 86   |
| 5    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 58   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

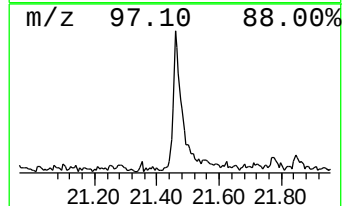
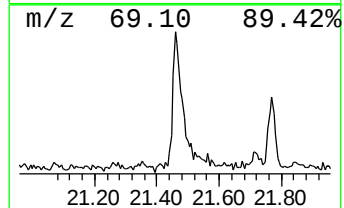
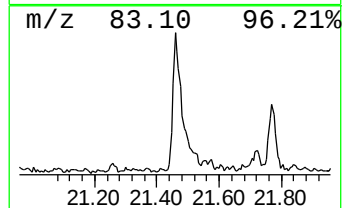
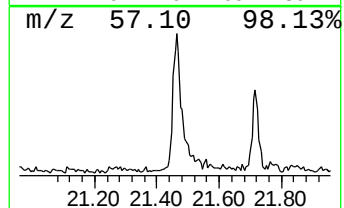
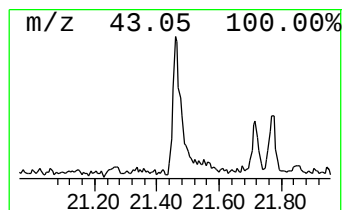
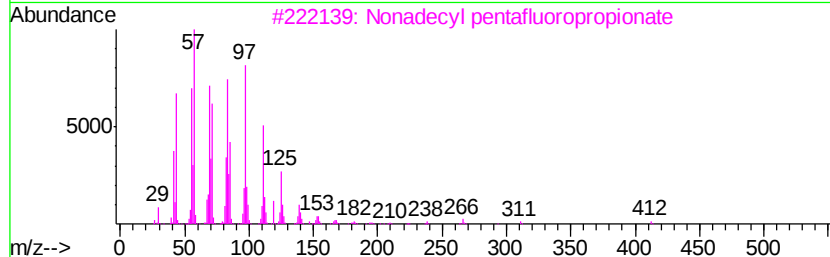
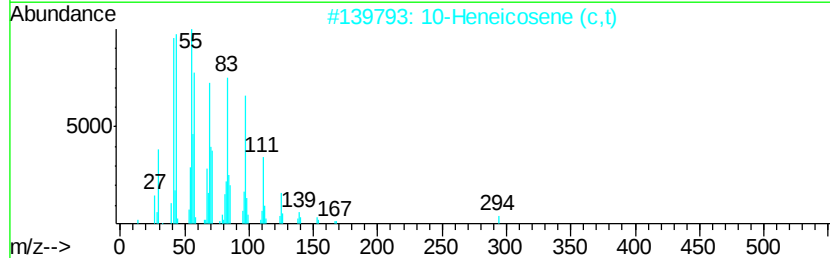
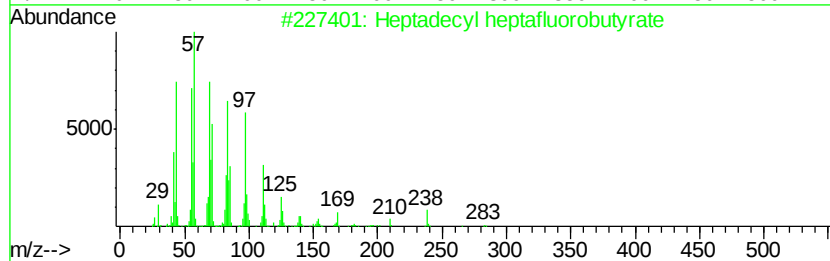
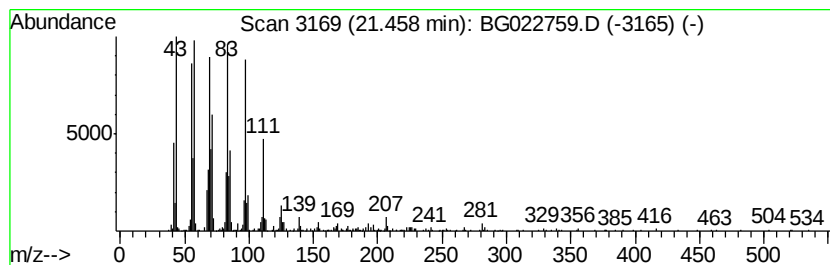
Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|------------|-------------------------------------|------------------|-------------|--------------|------|
| 21.46   | 5.78 ng/ul | 991998                              | Chrysene-d12     | 21.85       |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |            | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2  | 959085-66-6  | 94   |
| 2       |            | 10-Heneicosene (c,t)                | 294              | C21H42      | 095008-11-0  | 93   |
| 3       |            | Nonadecyl pentafluoropropionate     | 430              | C22H39F5O2  | 1000351-88-8 | 91   |
| 4       |            | 1-Hexadecanesulfonyl chloride       | 324              | C16H33ClO2S | 038775-38-1  | 91   |
| 5       |            | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1  | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

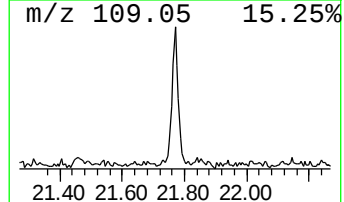
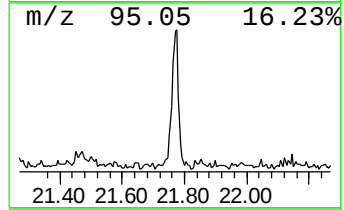
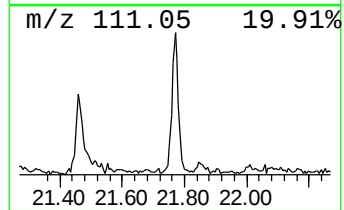
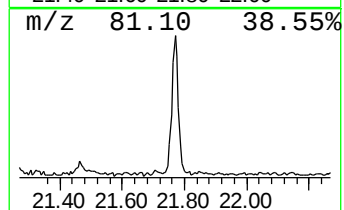
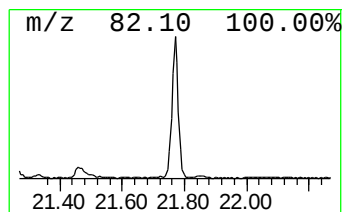
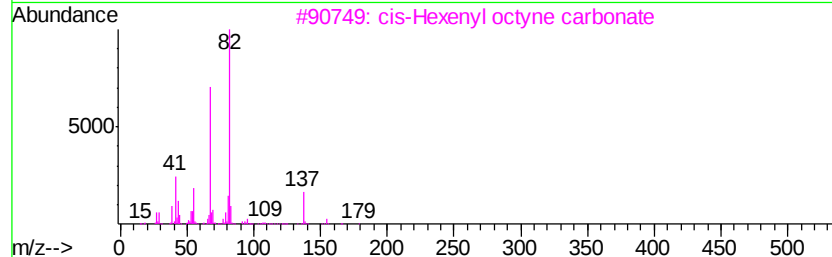
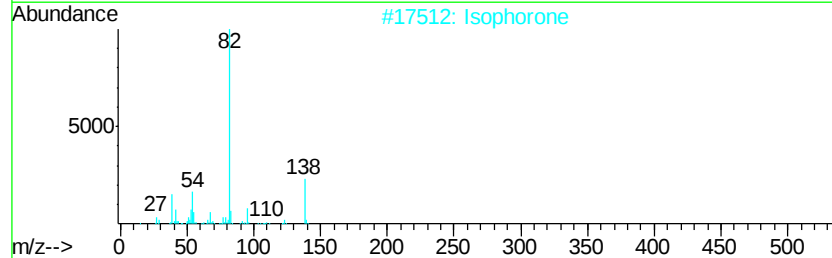
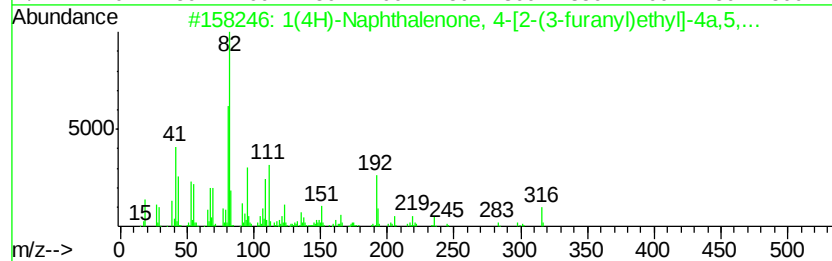
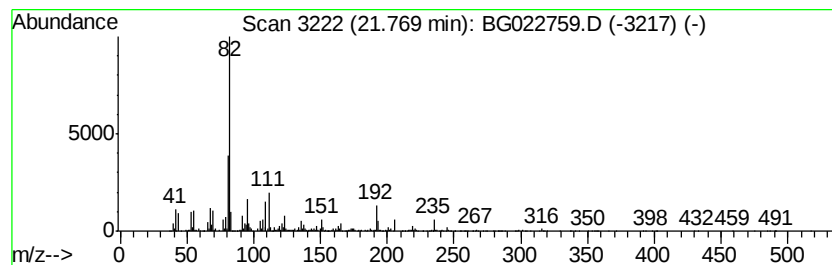
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1(4H)-Naphthalenone, 4-[2-(... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.77 | 6.58 ng/ul | 1127950 | Chrysene-d12     | 21.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 1(4H)-Naphthalenone, 4-[2-(3-fur... | 316 | C20H28O3 | 040883-07-6  | 92   |
| 2    |    | Isophorone                          | 138 | C9H14O   | 000078-59-1  | 47   |
| 3    |    | cis-Hexenyl octyne carbonate        | 236 | C15H24O2 | 068480-29-5  | 43   |
| 4    |    | 1H-Pyrazole, 3-methyl-              | 82  | C4H6N2   | 001453-58-3  | 43   |
| 5    |    | Decan-2,4,8-triene, 4,7-dimethyl-   | 164 | C12H20   | 1000132-15-2 | 43   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

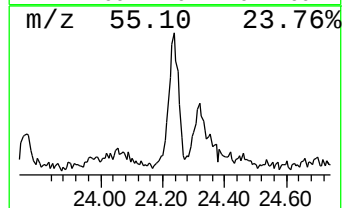
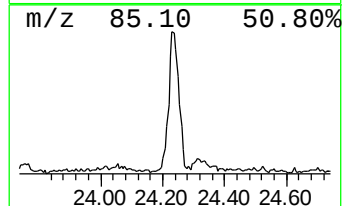
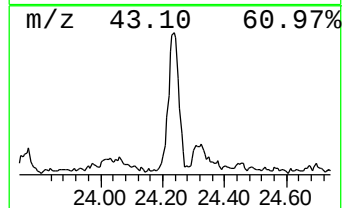
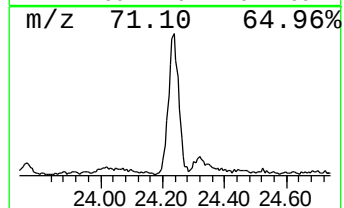
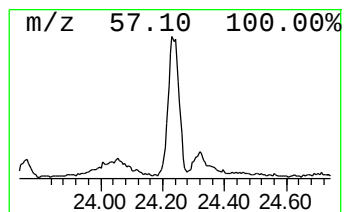
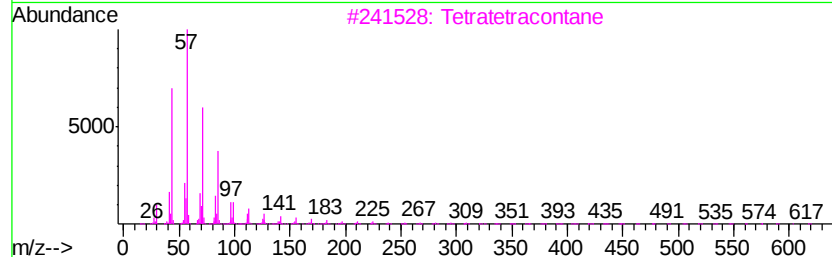
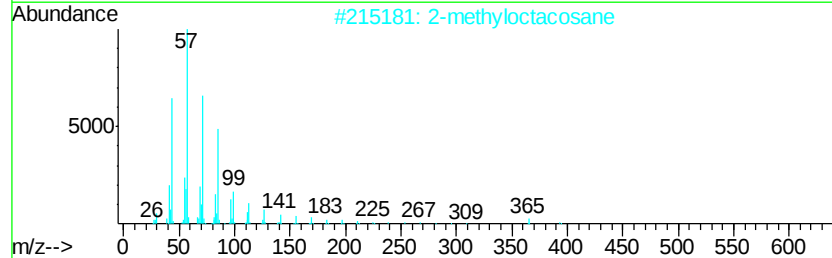
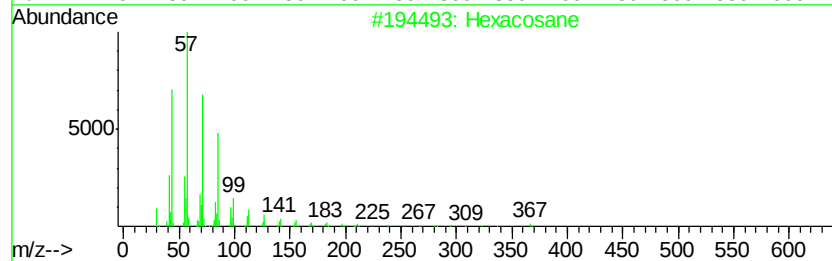
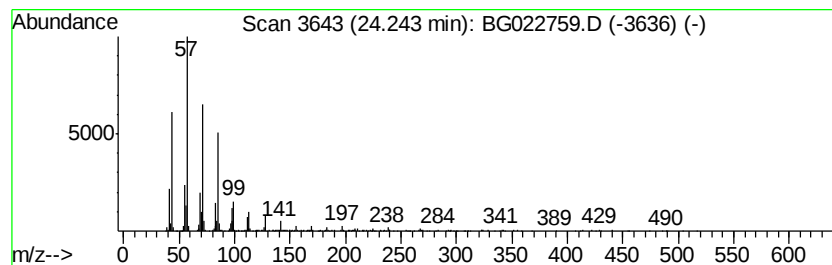
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.24 | 6.62 ng/ul | 1177410 | Perylene-d12     | 25.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexacosane                          | 366 | C26H54    | 000630-01-3  | 90   |
| 2    |    | 2-methyloctacosane                  | 408 | C29H60    | 1000376-72-8 | 87   |
| 3    |    | Tetratetracontane                   | 619 | C44H90    | 007098-22-8  | 87   |
| 4    |    | Octacosane                          | 394 | C28H58    | 000630-02-4  | 87   |
| 5    |    | Sulfurous acid, 2-propyl undecyl... | 278 | C14H30O3S | 1000309-12-2 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION

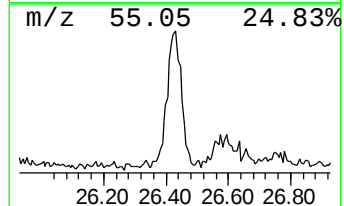
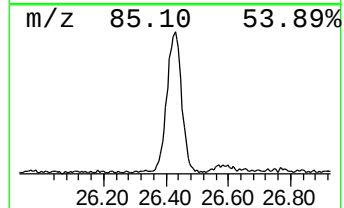
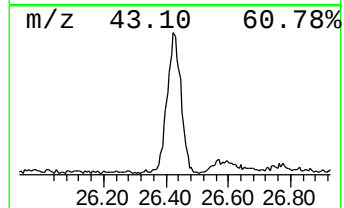
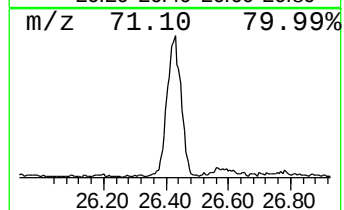
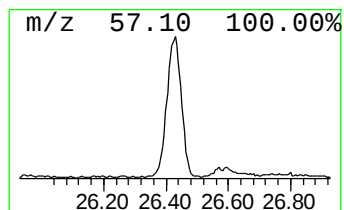
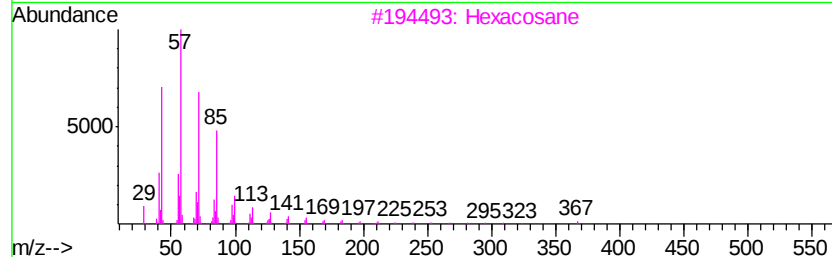
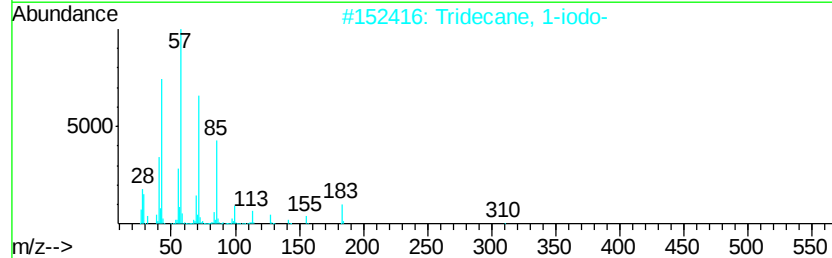
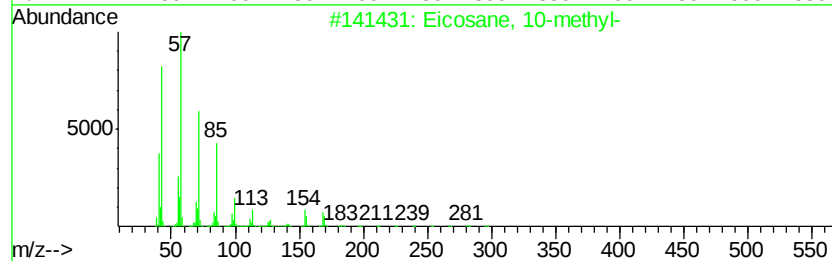
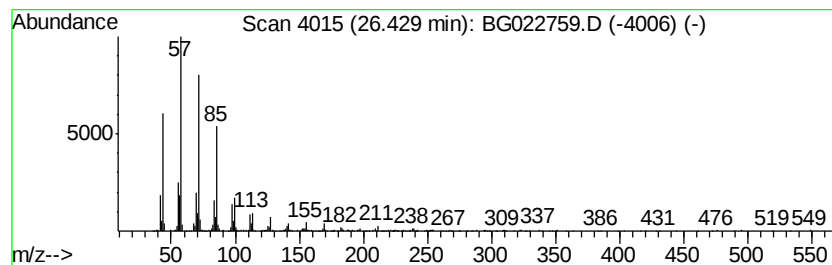
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 26.43 | 12.19 ng/ul | 2166720 | Perylene-d12     | 25.23 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 94   |
| 2    |    | Tridecane, 1-iodo-   | 310 | C13H27I | 035599-77-0 | 93   |
| 3    |    | Hexacosane           | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Heptacosane          | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | triacontane          | 422 | C30H62  | 000638-68-6 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070116\  
Data File : BG022759.D  
Acq On : 1 Jul 2016 13:45  
Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.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 |
| unknown-01           | 16.16 | 6.2     | ng/ul | 732959   | 3                     | 14.80 | 2354840 | 20.0 |
| n-Hexadecanoic acid  | 18.42 | 7.0     | ng/ul | 1038340  | 4                     | 17.55 | 2968890 | 20.0 |
| Octadecanoic acid    | 19.68 | 2.4     | ng/ul | 350824   | 4                     | 17.55 | 2968890 | 20.0 |
| Heptadecyl heptaf... | 21.46 | 5.8     | ng/ul | 991998   | 5                     | 21.85 | 3430610 | 20.0 |
| 1(4H)-Naphthaleno... | 21.77 | 6.6     | ng/ul | 1127950  | 5                     | 21.85 | 3430610 | 20.0 |
| (DEL) Alkane: Str... | 24.24 | 6.6     | ng/ul | 1177410  | 6                     | 25.23 | 3555090 | 20.0 |
| (DEL) Alkane: Str... | 26.43 | 12.2    | ng/ul | 2166720  | 6                     | 25.23 | 3555090 | 20.0 |