

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
 Data File : BG024367.D  
 Acq On : 15 Oct 2016 00:50  
 Operator : UM/SJ  
 Sample : H5240-10  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDPG8

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG0100716.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         | 3.648       | 136           | 138         | 145          | rVB7     | 16203          | 22571         | 0.26%           | 0.030%        |
| 2         | 4.007       | 197           | 199         | 205          | rVB6     | 12214          | 17544         | 0.20%           | 0.023%        |
| 3         | 4.095       | 210           | 214         | 217          | rVB6     | 12617          | 17608         | 0.20%           | 0.023%        |
| 4         | 4.224       | 233           | 236         | 240          | rVB4     | 8843           | 12349         | 0.14%           | 0.016%        |
| 5         | 4.412       | 264           | 268         | 275          | rVB6     | 17402          | 29575         | 0.34%           | 0.039%        |
| 6         | 4.506       | 279           | 284         | 287          | rVB4     | 10858          | 15210         | 0.18%           | 0.020%        |
| 7         | 4.776       | 319           | 330         | 334          | rBV10    | 13716          | 33998         | 0.40%           | 0.045%        |
| 8         | 4.823       | 334           | 338         | 344          | rBV7     | 8734           | 21369         | 0.25%           | 0.028%        |
| 9         | 5.781       | 495           | 501         | 507          | rBV9     | 10023          | 24964         | 0.29%           | 0.033%        |
| 10        | 6.698       | 652           | 657         | 662          | rVB7     | 6959           | 15887         | 0.18%           | 0.021%        |
| 11        | 6.950       | 698           | 700         | 707          | rVB5     | 8896           | 21009         | 0.24%           | 0.028%        |
| 12        | 7.039       | 707           | 715         | 716          | rBV8     | 7019           | 16580         | 0.19%           | 0.022%        |
| 13        | 7.056       | 716           | 718         | 724          | rVV7     | 5998           | 12238         | 0.14%           | 0.016%        |
| 14        | 7.250       | 747           | 751         | 754          | rVB4     | 10463          | 15998         | 0.19%           | 0.021%        |
| 15        | 7.415       | 772           | 779         | 788          | rBV      | 170354         | 294034        | 3.42%           | 0.390%        |
| 16        | 7.597       | 803           | 810         | 822          | rBV2     | 441462         | 801849        | 9.32%           | 1.064%        |
| 17        | 7.808       | 837           | 846         | 855          | rVV      | 495263         | 902813        | 10.49%          | 1.198%        |
| 18        | 7.908       | 855           | 863         | 866          | rVV7     | 8039           | 18081         | 0.21%           | 0.024%        |
| 19        | 7.943       | 866           | 869         | 875          | rVB7     | 7092           | 13693         | 0.16%           | 0.018%        |
| 20        | 8.284       | 915           | 927         | 940          | rBV      | 1368446        | 2465516       | 28.66%          | 3.272%        |
| 21        | 8.490       | 958           | 962         | 969          | rBV7     | 16325          | 33767         | 0.39%           | 0.045%        |
| 22        | 8.572       | 974           | 976         | 980          | rBV4     | 10209          | 13676         | 0.16%           | 0.018%        |
| 23        | 8.795       | 1009          | 1014        | 1015         | rBV4     | 9510           | 14474         | 0.17%           | 0.019%        |
| 24        | 8.972       | 1035          | 1044        | 1059         | rVB      | 458794         | 857935        | 9.97%           | 1.138%        |
| 25        | 9.107       | 1063          | 1067        | 1071         | rBV6     | 9361           | 17203         | 0.20%           | 0.023%        |
| 26        | 9.383       | 1109          | 1114        | 1119         | rBV7     | 17814          | 27811         | 0.32%           | 0.037%        |
| 27        | 9.459       | 1119          | 1127        | 1136         | rVB      | 667573         | 1229738       | 14.29%          | 1.632%        |
| 28        | 9.594       | 1144          | 1150        | 1154         | rVB7     | 9028           | 19745         | 0.23%           | 0.026%        |
| 29        | 10.182      | 1242          | 1250        | 1261         | rVB      | 610534         | 1121322       | 13.03%          | 1.488%        |
| 30        | 10.482      | 1293          | 1301        | 1303         | rBV7     | 8690           | 17098         | 0.20%           | 0.023%        |
| 31        | 10.717      | 1333          | 1341        | 1350         | rBV      | 814465         | 1506596       | 17.51%          | 1.999%        |
| 32        | 10.887      | 1365          | 1370        | 1374         | rVB5     | 8430           | 13818         | 0.16%           | 0.018%        |
| 33        | 11.004      | 1384          | 1390        | 1398         | rBV7     | 22468          | 48932         | 0.57%           | 0.065%        |
| 34        | 11.116      | 1400          | 1409        | 1421         | rVB      | 1975488        | 3744726       | 43.53%          | 4.969%        |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
 Data File : BG024367.D  
 Acq On : 15 Oct 2016 00:50  
 Operator : UM/SJ  
 Sample : H5240-10  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDPG8

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG0100716.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 11.239 | 1426 | 1430 | 1439 | rVB8  | 22611   | 43207   | 0.50%  | 0.057% |
| 36 | 11.674 | 1500 | 1504 | 1510 | rBV7  | 8693    | 16762   | 0.19%  | 0.022% |
| 37 | 11.768 | 1516 | 1520 | 1526 | rBV9  | 7324    | 13103   | 0.15%  | 0.017% |
| 38 | 11.839 | 1526 | 1532 | 1534 | rBV6  | 14972   | 15632   | 0.18%  | 0.021% |
| 39 | 12.350 | 1613 | 1619 | 1626 | rVV5  | 59471   | 101204  | 1.18%  | 0.134% |
| 40 | 12.673 | 1668 | 1674 | 1681 | rVB5  | 21818   | 56552   | 0.66%  | 0.075% |
| 41 | 12.732 | 1681 | 1684 | 1690 | rBV6  | 9702    | 18325   | 0.21%  | 0.024% |
| 42 | 12.890 | 1704 | 1711 | 1716 | rVB10 | 7517    | 22167   | 0.26%  | 0.029% |
| 43 | 13.143 | 1747 | 1754 | 1763 | rBV10 | 13282   | 39950   | 0.46%  | 0.053% |
| 44 | 13.267 | 1768 | 1775 | 1777 | rBV7  | 15386   | 26577   | 0.31%  | 0.035% |
| 45 | 13.490 | 1807 | 1813 | 1818 | rBV6  | 29578   | 52580   | 0.61%  | 0.070% |
| 46 | 13.537 | 1818 | 1821 | 1825 | rVB5  | 11421   | 12926   | 0.15%  | 0.017% |
| 47 | 13.590 | 1825 | 1830 | 1833 | rBV5  | 7020    | 12108   | 0.14%  | 0.016% |
| 48 | 13.631 | 1833 | 1837 | 1840 | rVB6  | 9326    | 13925   | 0.16%  | 0.018% |
| 49 | 13.654 | 1840 | 1841 | 1846 | rBV5  | 8627    | 12557   | 0.15%  | 0.017% |
| 50 | 13.766 | 1853 | 1860 | 1864 | rBV4  | 36452   | 68863   | 0.80%  | 0.091% |
| 51 | 13.813 | 1864 | 1868 | 1881 | rVB7  | 33692   | 71146   | 0.83%  | 0.094% |
| 52 | 14.089 | 1909 | 1915 | 1917 | rBV7  | 7138    | 12411   | 0.14%  | 0.016% |
| 53 | 14.289 | 1940 | 1949 | 1957 | rBV   | 1820812 | 2719188 | 31.61% | 3.608% |
| 54 | 14.530 | 1985 | 1990 | 1993 | rBV4  | 9572    | 12266   | 0.14%  | 0.016% |
| 55 | 14.594 | 1993 | 2001 | 2009 | rVB   | 1802662 | 2966540 | 34.48% | 3.936% |
| 56 | 14.718 | 2020 | 2022 | 2027 | rVB6  | 8489    | 12500   | 0.15%  | 0.017% |
| 57 | 14.771 | 2027 | 2031 | 2034 | rBV4  | 8054    | 12962   | 0.15%  | 0.017% |
| 58 | 14.900 | 2040 | 2053 | 2061 | rBV   | 3661792 | 6012113 | 69.88% | 7.978% |
| 59 | 14.959 | 2061 | 2063 | 2068 | rVB6  | 14015   | 20209   | 0.23%  | 0.027% |
| 60 | 15.059 | 2071 | 2080 | 2089 | rBV2  | 221552  | 390528  | 4.54%  | 0.518% |
| 61 | 15.264 | 2108 | 2115 | 2122 | rBV2  | 20760   | 35813   | 0.42%  | 0.048% |
| 62 | 15.388 | 2133 | 2136 | 2140 | rBV5  | 9489    | 13404   | 0.16%  | 0.018% |
| 63 | 15.552 | 2157 | 2164 | 2169 | rBV3  | 40468   | 67376   | 0.78%  | 0.089% |
| 64 | 15.617 | 2169 | 2175 | 2180 | rVV9  | 12362   | 30674   | 0.36%  | 0.041% |
| 65 | 15.687 | 2180 | 2187 | 2190 | rVB7  | 19572   | 37236   | 0.43%  | 0.049% |
| 66 | 15.752 | 2194 | 2198 | 2203 | rBV5  | 12750   | 21587   | 0.25%  | 0.029% |
| 67 | 15.805 | 2203 | 2207 | 2210 | rVV4  | 17739   | 26456   | 0.31%  | 0.035% |
| 68 | 15.887 | 2210 | 2221 | 2230 | rVV   | 2674223 | 4158884 | 48.34% | 5.519% |
| 69 | 15.987 | 2230 | 2238 | 2250 | rVV2  | 1025097 | 1603115 | 18.63% | 2.127% |
| 70 | 16.122 | 2255 | 2261 | 2272 | rBV8  | 36110   | 63331   | 0.74%  | 0.084% |
| 71 | 16.216 | 2274 | 2277 | 2287 | rVB10 | 12225   | 33088   | 0.38%  | 0.044% |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
 Data File : BG024367.D  
 Acq On : 15 Oct 2016 00:50  
 Operator : UM/SJ  
 Sample : H5240-10  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDPG8

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG0100716.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 16.322 | 2287 | 2295 | 2299 | rBV10 | 6866    | 16609   | 0.19%   | 0.022%  |
| 73  | 16.757 | 2362 | 2369 | 2371 | rVB8  | 10866   | 20797   | 0.24%   | 0.028%  |
| 74  | 16.827 | 2377 | 2381 | 2386 | rVB6  | 34490   | 63615   | 0.74%   | 0.084%  |
| 75  | 16.933 | 2395 | 2399 | 2402 | rBV6  | 10118   | 17882   | 0.21%   | 0.024%  |
| 76  | 16.980 | 2404 | 2407 | 2414 | rVB9  | 17634   | 27261   | 0.32%   | 0.036%  |
| 77  | 17.044 | 2414 | 2418 | 2423 | rBV8  | 14155   | 21687   | 0.25%   | 0.029%  |
| 78  | 17.203 | 2441 | 2445 | 2452 | rBV5  | 24562   | 35641   | 0.41%   | 0.047%  |
| 79  | 17.297 | 2458 | 2461 | 2463 | rBV4  | 8471    | 12876   | 0.15%   | 0.017%  |
| 80  | 17.426 | 2478 | 2483 | 2489 | rVB3  | 28032   | 49240   | 0.57%   | 0.065%  |
| 81  | 17.520 | 2494 | 2499 | 2500 | rBV5  | 10369   | 16007   | 0.19%   | 0.021%  |
| 82  | 17.561 | 2501 | 2506 | 2509 | rVB7  | 11658   | 19420   | 0.23%   | 0.026%  |
| 83  | 17.638 | 2511 | 2519 | 2527 | rBV2  | 4430041 | 7382058 | 85.80%  | 9.796%  |
| 84  | 17.738 | 2529 | 2536 | 2551 | rVB2  | 2864054 | 4589621 | 53.35%  | 6.090%  |
| 85  | 17.885 | 2557 | 2561 | 2565 | rBV5  | 10058   | 19426   | 0.23%   | 0.026%  |
| 86  | 18.120 | 2597 | 2601 | 2609 | rVB10 | 18289   | 31889   | 0.37%   | 0.042%  |
| 87  | 18.278 | 2622 | 2628 | 2635 | rBV2  | 636330  | 849950  | 9.88%   | 1.128%  |
| 88  | 18.484 | 2655 | 2663 | 2670 | rBV   | 316831  | 482324  | 5.61%   | 0.640%  |
| 89  | 18.601 | 2681 | 2683 | 2686 | rVB3  | 11991   | 14283   | 0.17%   | 0.019%  |
| 90  | 18.754 | 2705 | 2709 | 2715 | rVB7  | 27088   | 31206   | 0.36%   | 0.041%  |
| 91  | 19.060 | 2756 | 2761 | 2762 | rBV5  | 13384   | 16128   | 0.19%   | 0.021%  |
| 92  | 19.641 | 2854 | 2860 | 2866 | rBV2  | 46771   | 74959   | 0.87%   | 0.099%  |
| 93  | 19.741 | 2871 | 2877 | 2889 | rBV   | 309566  | 459156  | 5.34%   | 0.609%  |
| 94  | 19.894 | 2899 | 2903 | 2908 | rVB4  | 31893   | 51914   | 0.60%   | 0.069%  |
| 95  | 20.006 | 2915 | 2922 | 2933 | rVB   | 3404156 | 5162411 | 60.00%  | 6.850%  |
| 96  | 21.939 | 3242 | 3251 | 3259 | rBV   | 4907985 | 8574079 | 99.66%  | 11.378% |
| 97  | 22.033 | 3262 | 3267 | 3277 | rBV   | 60484   | 139612  | 1.62%   | 0.185%  |
| 98  | 23.466 | 3504 | 3511 | 3525 | rBV   | 583038  | 1213651 | 14.11%  | 1.610%  |
| 99  | 25.141 | 3784 | 3796 | 3814 | rVB2  | 1731564 | 5075823 | 59.00%  | 6.735%  |
| 100 | 25.388 | 3825 | 3838 | 3852 | rVB2  | 2647259 | 8603404 | 100.00% | 11.416% |

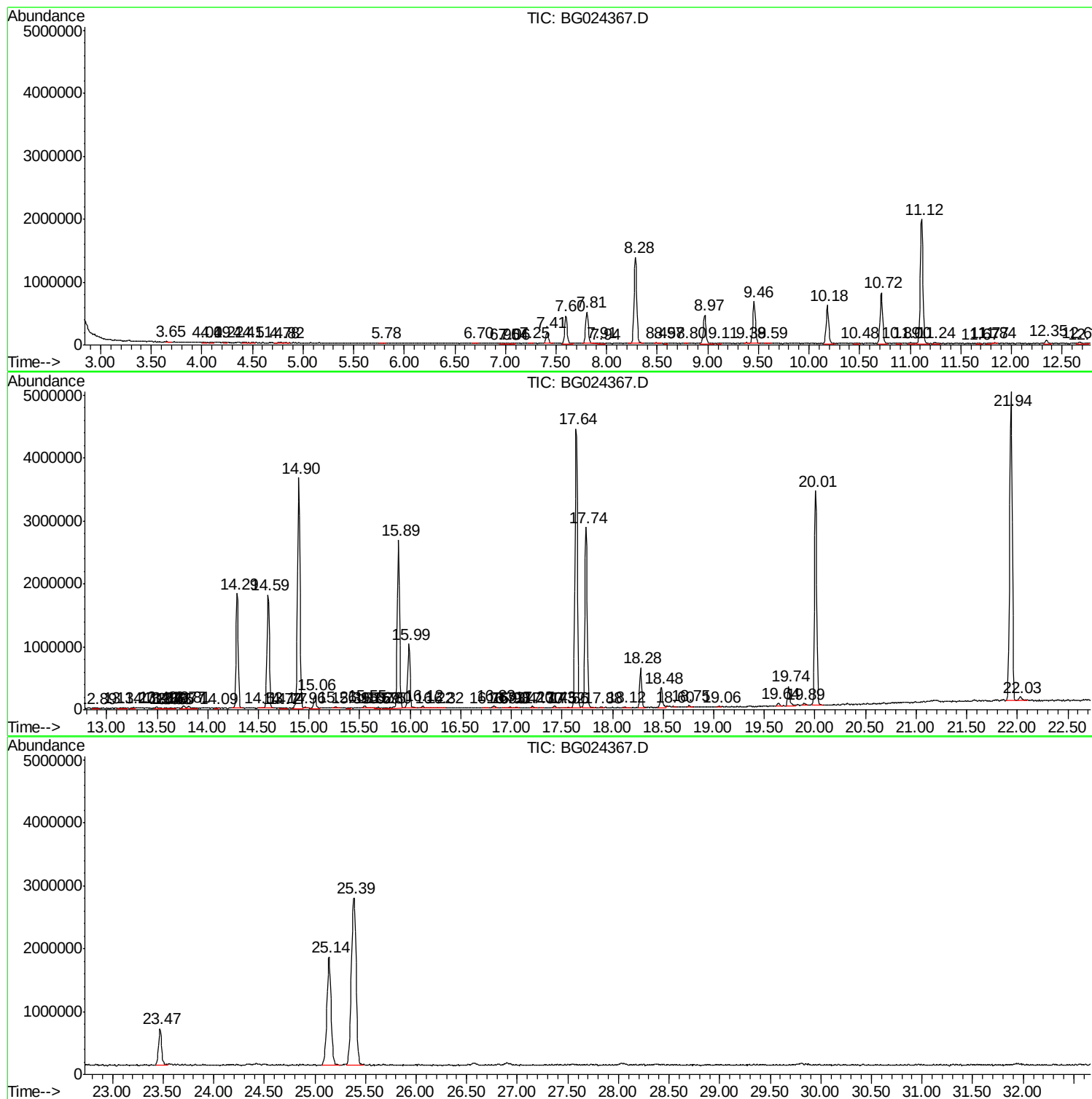
Sum of corrected areas: 75359921

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
Data File : BG024367.D  
Acq On : 15 Oct 2016 00:50  
Operator : UM/SJ  
Sample : H5240-10  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDPG8

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
Data File : BG024367.D  
Acq On : 15 Oct 2016 00:50  
Operator : UM/SJ  
Sample : H5240-10  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

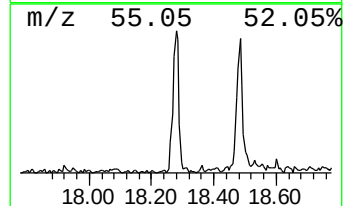
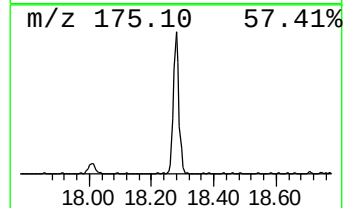
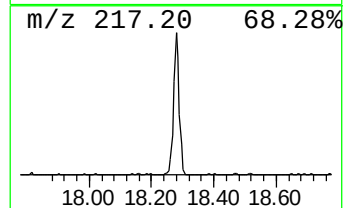
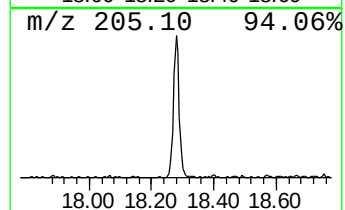
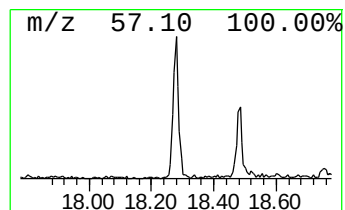
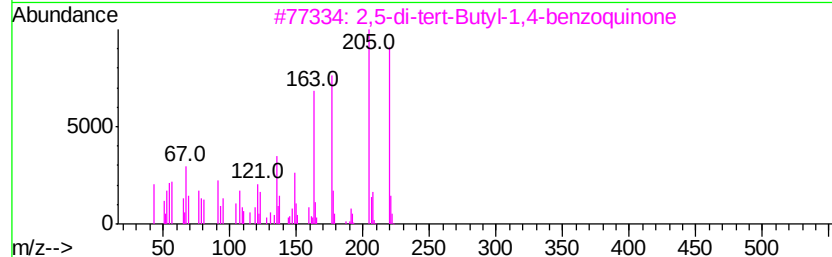
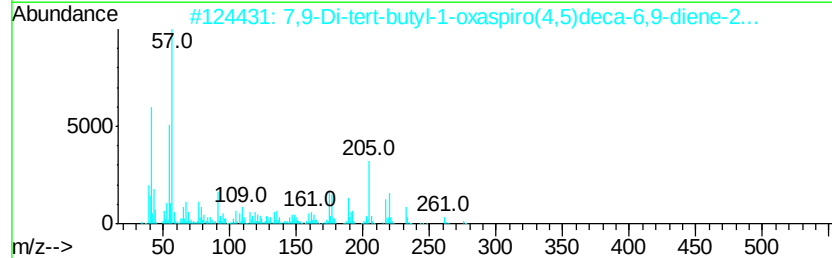
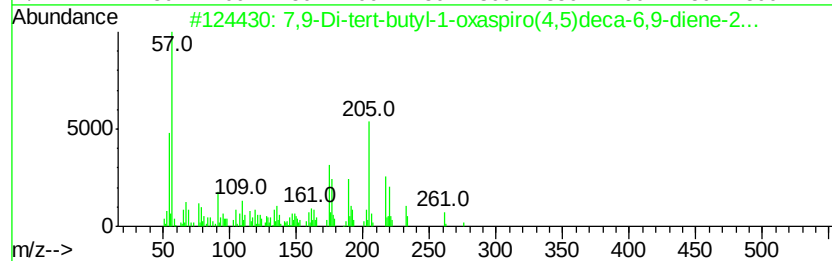
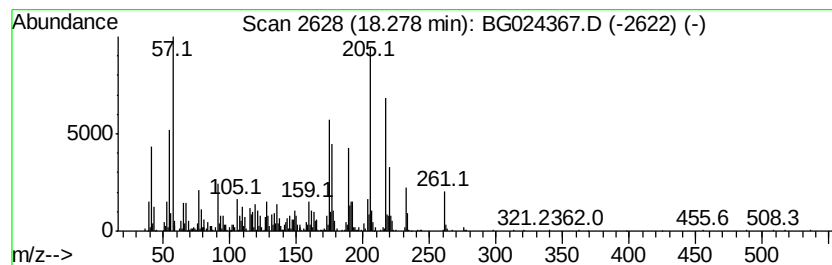
Instrument :  
BNA\_G  
ClientSampleId :  
BDPG8

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 18.28   | 2.30 ng/ul                          | 849950       | Phenanthrene-d10 | 17.64       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276          | C17H24O3         | 082304-66-3 | 87   |      |
| 2       | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276          | C17H24O3         | 082304-66-3 | 68   |      |
| 3       | 2,5-di-tert-Butyl-1,4-benzoquinone  | 220          | C14H20O2         | 002460-77-7 | 45   |      |
| 4       | Thiophene, 2-(4-nitrophenyl)-       | 205          | C10H7NO2S        | 059156-21-7 | 42   |      |
| 5       | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220          | C14H20O2         | 071596-88-8 | 42   |      |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\  
Data File : BG024367.D  
Acq On : 15 Oct 2016 00:50  
Operator : UM/SJ  
Sample : H5240-10  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDPG8

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M  
Quant Title : SVOA CALIBRATION

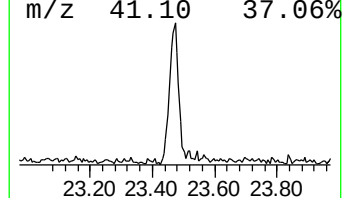
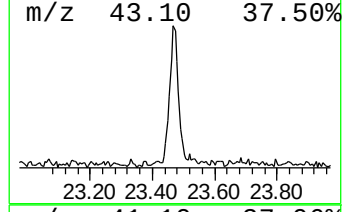
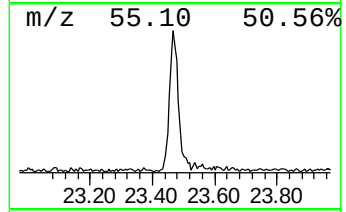
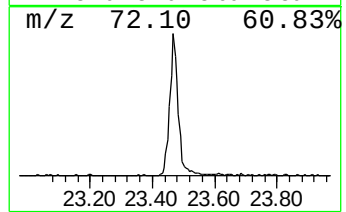
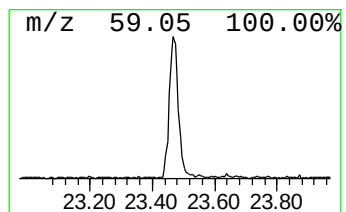
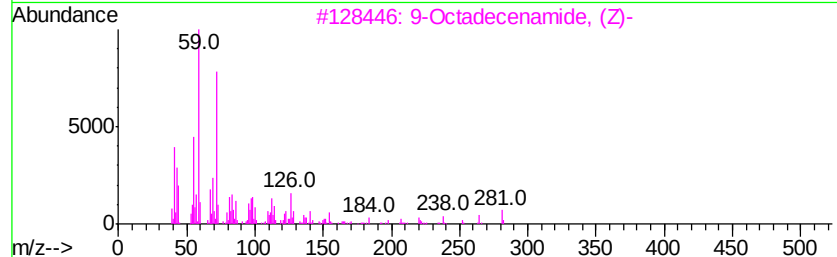
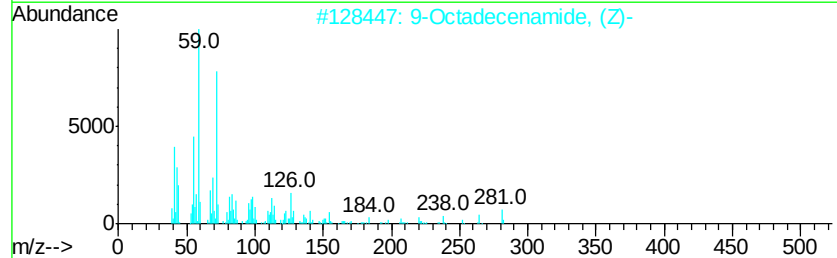
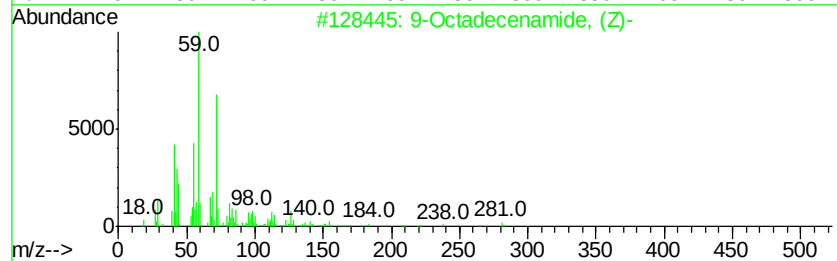
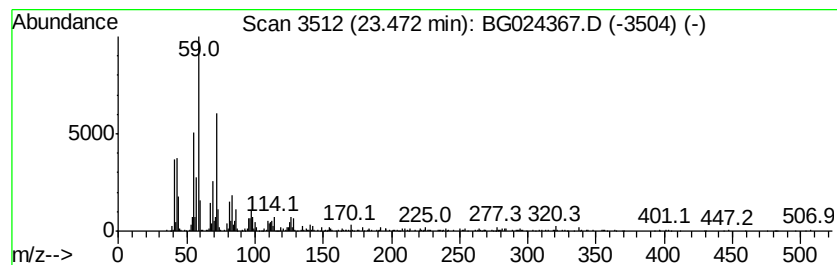
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.47 | 2.83 ng/ul | 1213650 | Chrysene-d12     | 21.94 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 86   |
| 2    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 83   |
| 3    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 83   |
| 4    |    | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 81   |
| 5    |    | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 76   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101416\  
Data File : BG024367.D  
Acq On : 15 Oct 2016 00:50  
Operator : UM/SJ  
Sample : H5240-10  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDPG8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG0100716.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 |
| 7,9-Di-tert-butyl... | 18.28 | 2.3     | ng/ul | 849950   | 4                     | 17.64 | 7382060 | 20.0 |
| 9-Octadecenamide,... | 23.47 | 2.8     | ng/ul | 1213650  | 5                     | 21.94 | 8574080 | 20.0 |