

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
 Data File : BG025617.D  
 Acq On : 24 Jan 2017 21:10  
 Operator : UM/SJ  
 Sample : I1316-20  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDP01

## 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-BG011817.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.510    | 109        | 114      | 123       | rBV2  | 25410       | 47427      | 1.46%        | 0.112%     |
| 2      | 3.815    | 164        | 166      | 170       | rBV4  | 8888        | 10431      | 0.32%        | 0.025%     |
| 3      | 4.837    | 339        | 340      | 347       | rBV5  | 6061        | 11720      | 0.36%        | 0.028%     |
| 4      | 4.973    | 360        | 363      | 366       | rVB4  | 7534        | 10153      | 0.31%        | 0.024%     |
| 5      | 5.025    | 366        | 372      | 374       | rBV4  | 8648        | 18090      | 0.56%        | 0.043%     |
| 6      | 5.061    | 374        | 378      | 381       | rVB4  | 8524        | 10979      | 0.34%        | 0.026%     |
| 7      | 5.178    | 394        | 398      | 402       | rBV4  | 6555        | 10111      | 0.31%        | 0.024%     |
| 8      | 5.572    | 457        | 465      | 468       | rBV6  | 4858        | 11289      | 0.35%        | 0.027%     |
| 9      | 5.701    | 480        | 487      | 492       | rVB6  | 5017        | 10582      | 0.33%        | 0.025%     |
| 10     | 5.760    | 492        | 497      | 501       | rBV6  | 5555        | 11348      | 0.35%        | 0.027%     |
| 11     | 6.065    | 546        | 549      | 556       | rVB7  | 5144        | 9792       | 0.30%        | 0.023%     |
| 12     | 6.941    | 693        | 698      | 703       | rBV3  | 4429        | 10180      | 0.31%        | 0.024%     |
| 13     | 7.340    | 757        | 766      | 783       | rBV3  | 315379      | 784152     | 24.12%       | 1.844%     |
| 14     | 7.493    | 786        | 792      | 805       | rVB   | 241499      | 445652     | 13.71%       | 1.048%     |
| 15     | 7.705    | 820        | 828      | 842       | rBV   | 317224      | 631460     | 19.42%       | 1.485%     |
| 16     | 8.175    | 897        | 908      | 921       | rBV   | 273356      | 520218     | 16.00%       | 1.223%     |
| 17     | 8.310    | 928        | 931      | 935       | rBV4  | 6349        | 10400      | 0.32%        | 0.024%     |
| 18     | 8.897    | 1020       | 1031     | 1050      | rVV2  | 384746      | 830904     | 25.55%       | 1.954%     |
| 19     | 9.361    | 1102       | 1110     | 1125      | rBV2  | 372779      | 750555     | 23.08%       | 1.765%     |
| 20     | 9.508    | 1132       | 1135     | 1141      | rVB6  | 10251       | 20799      | 0.64%        | 0.049%     |
| 21     | 9.573    | 1141       | 1146     | 1150      | rVB8  | 5285        | 10079      | 0.31%        | 0.024%     |
| 22     | 9.673    | 1159       | 1163     | 1174      | rVB7  | 23225       | 41275      | 1.27%        | 0.097%     |
| 23     | 10.090   | 1226       | 1234     | 1246      | rBV   | 333428      | 666635     | 20.50%       | 1.567%     |
| 24     | 10.636   | 1320       | 1327     | 1350      | rBV2  | 434259      | 943068     | 29.00%       | 2.217%     |
| 25     | 11.001   | 1381       | 1389     | 1402      | rBV2  | 439982      | 819438     | 25.20%       | 1.927%     |
| 26     | 11.153   | 1407       | 1415     | 1438      | rBV2  | 351306      | 818629     | 25.18%       | 1.925%     |
| 27     | 11.347   | 1445       | 1448     | 1456      | rVB6  | 7098        | 16385      | 0.50%        | 0.039%     |
| 28     | 11.412   | 1456       | 1459     | 1464      | rBV5  | 6801        | 11009      | 0.34%        | 0.026%     |
| 29     | 12.170   | 1585       | 1588     | 1593      | rVB4  | 7071        | 9785       | 0.30%        | 0.023%     |
| 30     | 12.605   | 1657       | 1662     | 1664      | rBV3  | 6609        | 9927       | 0.31%        | 0.023%     |
| 31     | 13.169   | 1755       | 1758     | 1762      | rVB5  | 7392        | 11985      | 0.37%        | 0.028%     |
| 32     | 13.204   | 1762       | 1764     | 1771      | rVB5  | 5524        | 9899       | 0.30%        | 0.023%     |
| 33     | 13.392   | 1793       | 1796     | 1801      | rBV3  | 10527       | 15833      | 0.49%        | 0.037%     |
| 34     | 13.533   | 1814       | 1820     | 1824      | rBV5  | 8326        | 20078      | 0.62%        | 0.047%     |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 13.580 | 1824 | 1828 | 1833 | rVV5  | 10202   | 15922   | 0.49%  | 0.037% |
| 36 | 13.662 | 1835 | 1842 | 1847 | rBV5  | 17381   | 28857   | 0.89%  | 0.068% |
| 37 | 14.103 | 1913 | 1917 | 1926 | rBV8  | 13712   | 31322   | 0.96%  | 0.074% |
| 38 | 14.203 | 1926 | 1934 | 1938 | rVV   | 1057894 | 1638070 | 50.38% | 3.852% |
| 39 | 14.250 | 1938 | 1942 | 1956 | rVV2  | 398687  | 663711  | 20.41% | 1.561% |
| 40 | 14.508 | 1977 | 1986 | 1994 | rBV   | 1053018 | 1754183 | 53.95% | 4.125% |
| 41 | 14.649 | 2003 | 2010 | 2015 | rVB3  | 29269   | 52005   | 1.60%  | 0.122% |
| 42 | 14.732 | 2020 | 2024 | 2030 | rVB7  | 9192    | 14509   | 0.45%  | 0.034% |
| 43 | 14.808 | 2030 | 2037 | 2046 | rVB   | 800773  | 1282984 | 39.46% | 3.017% |
| 44 | 15.049 | 2069 | 2078 | 2100 | rBV2  | 286963  | 862972  | 26.54% | 2.029% |
| 45 | 15.196 | 2101 | 2103 | 2110 | rVV8  | 22275   | 47426   | 1.46%  | 0.112% |
| 46 | 15.266 | 2110 | 2115 | 2122 | rVV8  | 24862   | 57971   | 1.78%  | 0.136% |
| 47 | 15.325 | 2122 | 2125 | 2135 | rVB10 | 10911   | 25074   | 0.77%  | 0.059% |
| 48 | 15.548 | 2158 | 2163 | 2167 | rBV   | 34217   | 50935   | 1.57%  | 0.120% |
| 49 | 15.595 | 2167 | 2171 | 2175 | rVB2  | 78109   | 103817  | 3.19%  | 0.244% |
| 50 | 15.648 | 2176 | 2180 | 2184 | rBV7  | 10441   | 14782   | 0.45%  | 0.035% |
| 51 | 15.795 | 2197 | 2205 | 2215 | rBV   | 1477223 | 2388402 | 73.45% | 5.616% |
| 52 | 15.942 | 2223 | 2230 | 2243 | rBV   | 500995  | 948342  | 29.17% | 2.230% |
| 53 | 16.036 | 2243 | 2246 | 2251 | rVB4  | 28561   | 45706   | 1.41%  | 0.107% |
| 54 | 16.154 | 2260 | 2266 | 2272 | rBV4  | 11949   | 27236   | 0.84%  | 0.064% |
| 55 | 16.212 | 2272 | 2276 | 2285 | rVB8  | 20854   | 35635   | 1.10%  | 0.084% |
| 56 | 16.400 | 2302 | 2308 | 2312 | rBV9  | 12257   | 30542   | 0.94%  | 0.072% |
| 57 | 16.453 | 2312 | 2317 | 2326 | rVV2  | 104779  | 191458  | 5.89%  | 0.450% |
| 58 | 16.571 | 2336 | 2337 | 2344 | rBV7  | 10038   | 16906   | 0.52%  | 0.040% |
| 59 | 16.659 | 2349 | 2352 | 2359 | rVB9  | 10913   | 16056   | 0.49%  | 0.038% |
| 60 | 16.800 | 2372 | 2376 | 2380 | rBV7  | 15859   | 18679   | 0.57%  | 0.044% |
| 61 | 16.859 | 2383 | 2386 | 2390 | rVB4  | 15077   | 18223   | 0.56%  | 0.043% |
| 62 | 16.929 | 2393 | 2398 | 2406 | rBV4  | 28748   | 61084   | 1.88%  | 0.144% |
| 63 | 17.023 | 2411 | 2414 | 2419 | rBV7  | 11648   | 18854   | 0.58%  | 0.044% |
| 64 | 17.152 | 2432 | 2436 | 2443 | rVB9  | 21869   | 42735   | 1.31%  | 0.100% |
| 65 | 17.246 | 2446 | 2452 | 2456 | rBV   | 101165  | 136923  | 4.21%  | 0.322% |
| 66 | 17.293 | 2456 | 2460 | 2464 | rVB5  | 34808   | 46689   | 1.44%  | 0.110% |
| 67 | 17.405 | 2475 | 2479 | 2482 | rBV5  | 16188   | 18000   | 0.55%  | 0.042% |
| 68 | 17.487 | 2488 | 2493 | 2496 | rVB6  | 8169    | 10708   | 0.33%  | 0.025% |
| 69 | 17.552 | 2496 | 2504 | 2515 | rBV2  | 1049720 | 1731079 | 53.24% | 4.070% |
| 70 | 17.658 | 2515 | 2522 | 2530 | rBV   | 1588938 | 2599829 | 79.96% | 6.113% |
| 71 | 17.799 | 2540 | 2546 | 2553 | rVB8  | 18816   | 35102   | 1.08%  | 0.083% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.893 | 2555 | 2562 | 2572 | rBV7 | 92821   | 254169  | 7.82%   | 0.598% |
| 73  | 17.981 | 2573 | 2577 | 2583 | rVB  | 122777  | 170230  | 5.24%   | 0.400% |
| 74  | 18.145 | 2601 | 2605 | 2612 | rBV9 | 11599   | 31865   | 0.98%   | 0.075% |
| 75  | 18.339 | 2633 | 2638 | 2643 | rBV7 | 42437   | 79117   | 2.43%   | 0.186% |
| 76  | 18.398 | 2643 | 2648 | 2657 | rBV  | 529368  | 765216  | 23.53%  | 1.799% |
| 77  | 18.592 | 2676 | 2681 | 2683 | rBV6 | 13187   | 18762   | 0.58%   | 0.044% |
| 78  | 18.668 | 2690 | 2694 | 2698 | rBV3 | 56379   | 68304   | 2.10%   | 0.161% |
| 79  | 19.062 | 2759 | 2761 | 2766 | rVB5 | 19834   | 19836   | 0.61%   | 0.047% |
| 80  | 19.244 | 2787 | 2792 | 2814 | rBV  | 396219  | 1076814 | 33.12%  | 2.532% |
| 81  | 19.538 | 2837 | 2842 | 2847 | rBV7 | 58601   | 119100  | 3.66%   | 0.280% |
| 82  | 19.655 | 2858 | 2862 | 2879 | rVB  | 349216  | 501998  | 15.44%  | 1.180% |
| 83  | 19.790 | 2879 | 2885 | 2895 | rBV  | 1560490 | 1781574 | 54.79%  | 4.189% |
| 84  | 19.931 | 2902 | 2909 | 2926 | rVB  | 2019080 | 3211535 | 98.77%  | 7.551% |
| 85  | 20.401 | 2985 | 2989 | 2991 | rBV4 | 33811   | 46885   | 1.44%   | 0.110% |
| 86  | 20.736 | 3039 | 3046 | 3053 | rBV5 | 80385   | 149976  | 4.61%   | 0.353% |
| 87  | 20.830 | 3056 | 3062 | 3070 | rVB  | 1583243 | 1858845 | 57.17%  | 4.371% |
| 88  | 21.418 | 3157 | 3162 | 3181 | rBV  | 97879   | 354133  | 10.89%  | 0.833% |
| 89  | 21.847 | 3227 | 3235 | 3243 | rBV  | 1198812 | 2119624 | 65.19%  | 4.984% |
| 90  | 22.223 | 3295 | 3299 | 3307 | rVB  | 38829   | 79794   | 2.45%   | 0.188% |
| 91  | 22.587 | 3358 | 3361 | 3367 | rVB8 | 27973   | 40440   | 1.24%   | 0.095% |
| 92  | 23.304 | 3477 | 3483 | 3491 | rVB8 | 60320   | 151141  | 4.65%   | 0.355% |
| 93  | 23.674 | 3540 | 3546 | 3556 | rVB8 | 91590   | 199611  | 6.14%   | 0.469% |
| 94  | 24.121 | 3618 | 3622 | 3632 | rVB6 | 53953   | 113387  | 3.49%   | 0.267% |
| 95  | 24.996 | 3761 | 3771 | 3783 | rBV2 | 1078841 | 3251528 | 100.00% | 7.645% |
| 96  | 25.102 | 3783 | 3789 | 3799 | rVB8 | 86345   | 230506  | 7.09%   | 0.542% |
| 97  | 25.237 | 3801 | 3812 | 3826 | rVB3 | 641600  | 2012458 | 61.89%  | 4.732% |
| 98  | 26.265 | 3980 | 3987 | 3998 | rVB6 | 84936   | 278191  | 8.56%   | 0.654% |
| 99  | 27.669 | 4220 | 4226 | 4235 | rVB6 | 75516   | 219971  | 6.77%   | 0.517% |
| 100 | 30.901 | 4764 | 4776 | 4793 | rVB6 | 125964  | 672005  | 20.67%  | 1.580% |

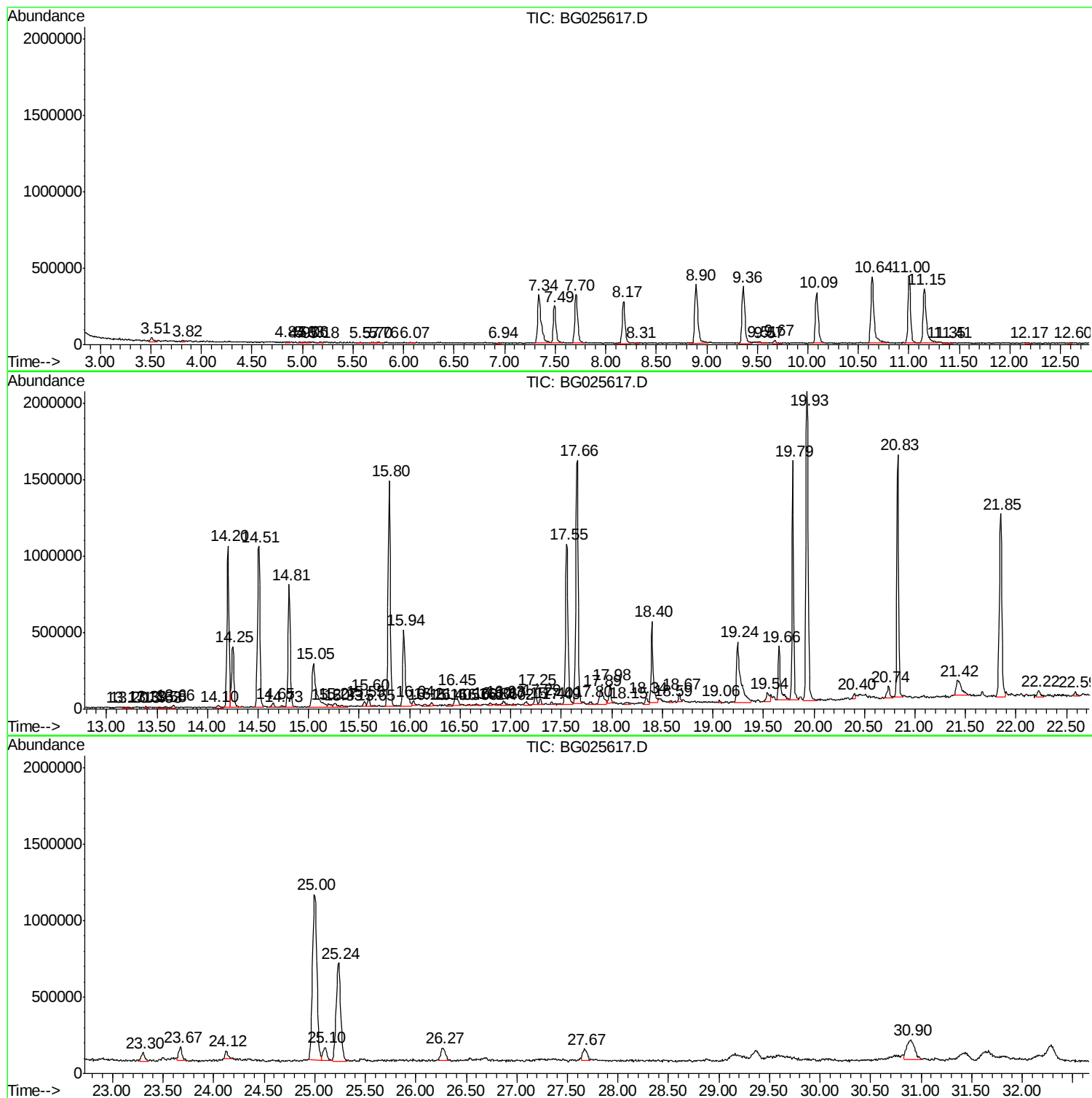
Sum of corrected areas: 42530010

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

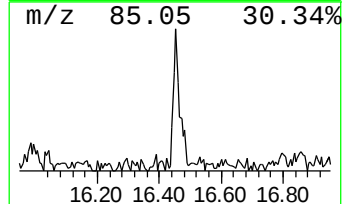
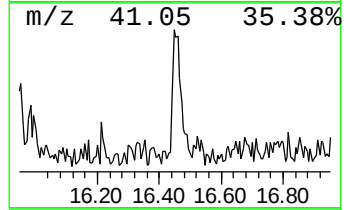
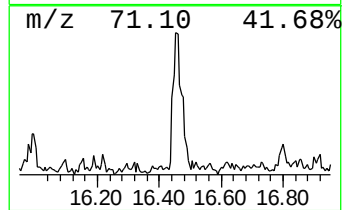
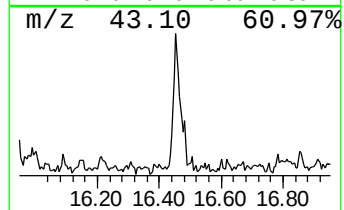
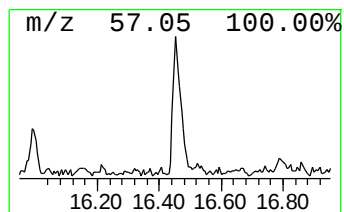
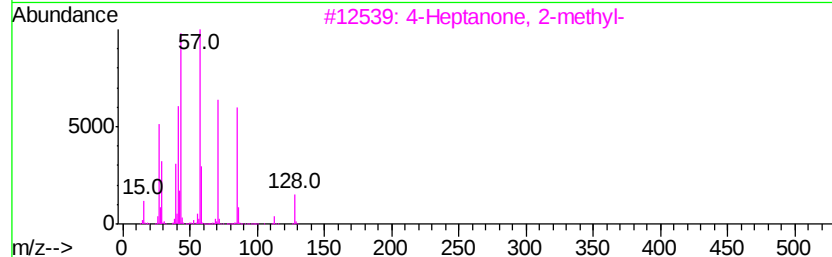
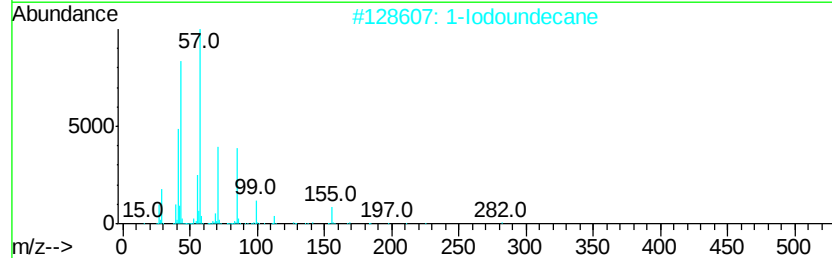
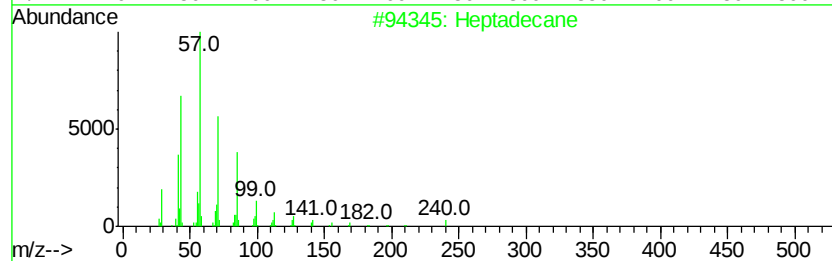
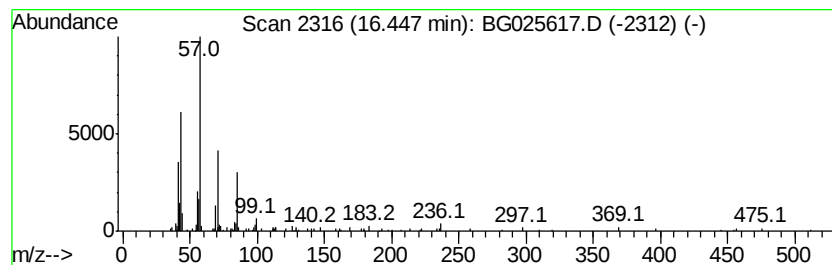
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.45 | 2.21 ng/ul | 191458 | Phenanthrene-d10 | 17.55 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane            | 240 | C17H36  | 000629-78-7 | 72   |
| 2    |    |   | 1-Iodoundecane         | 282 | C11H23I | 004282-44-4 | 72   |
| 3    |    |   | 4-Heptanone, 2-methyl- | 128 | C8H16O  | 000626-33-5 | 64   |
| 4    |    |   | Tetradecane, 1-iodo-   | 324 | C14H29I | 019218-94-1 | 64   |
| 5    |    |   | 3,5-Dimethyldodecane   | 198 | C14H30  | 107770-99-0 | 64   |



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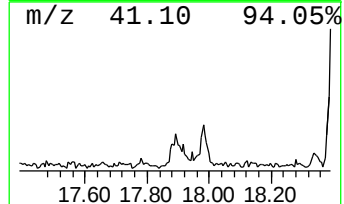
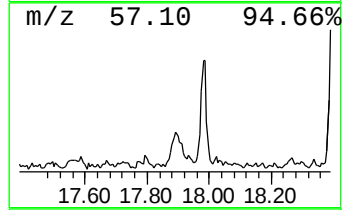
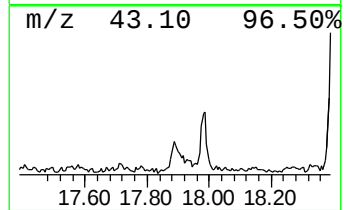
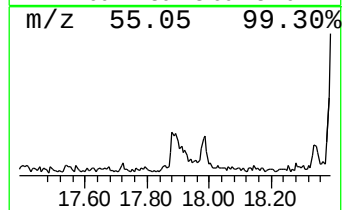
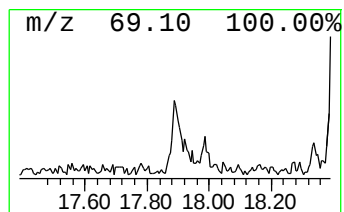
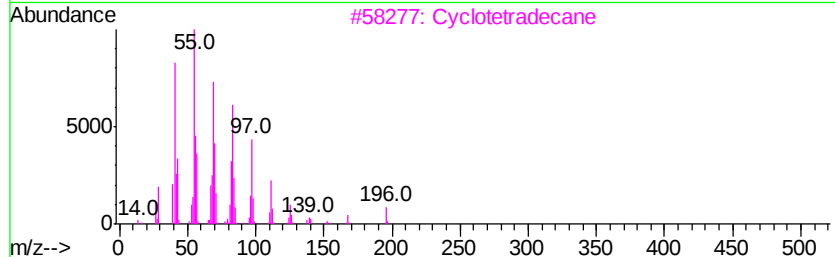
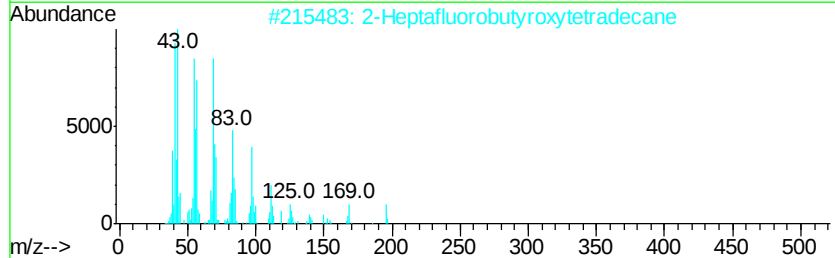
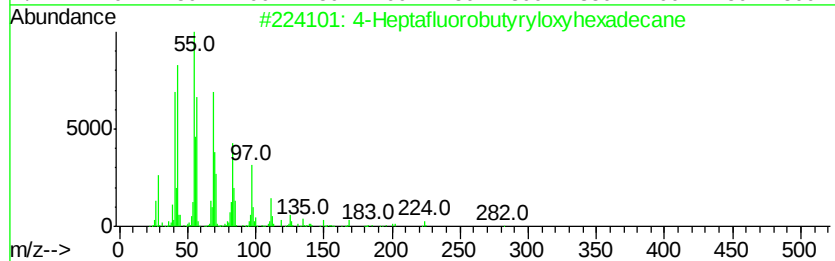
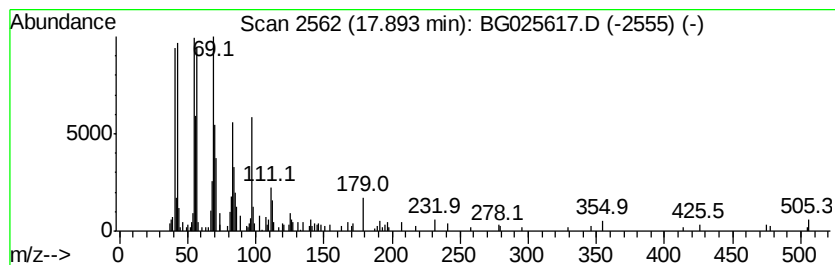
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 2 4-Heptafluorobutyryloxyhexa... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.89 | 2.94 ng/ul | 254169 | Phenanthrene-d10 | 17.55 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4-Heptafluorobutyryloxyhexadecane | 438 | C20H33F7O2 | 1000282-97-2 | 91   |
| 2    |    |   | 2-Heptafluorobutyroxytetradecane  | 410 | C18H29F7O2 | 1000245-49-7 | 87   |
| 3    |    |   | Cyclotetradecane                  | 196 | C14H28     | 000295-17-0  | 86   |
| 4    |    |   | 7-Tetradecene, (Z)-               | 196 | C14H28     | 041446-60-0  | 81   |
| 5    |    |   | 7-Tetradecene, (Z)-               | 196 | C14H28     | 041446-60-0  | 81   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDP01

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Quant Title : SVOA CALIBRATION

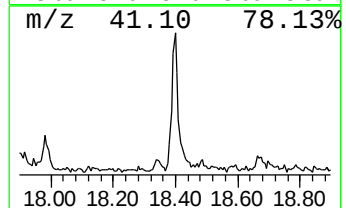
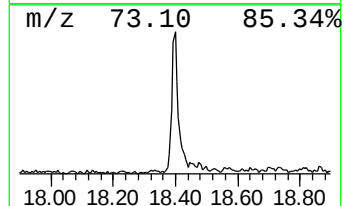
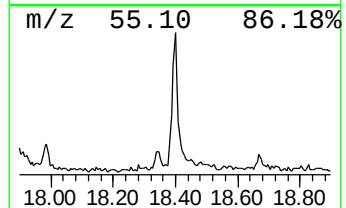
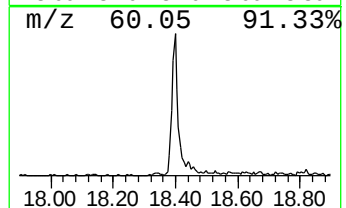
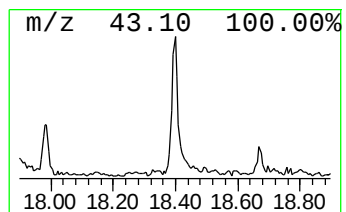
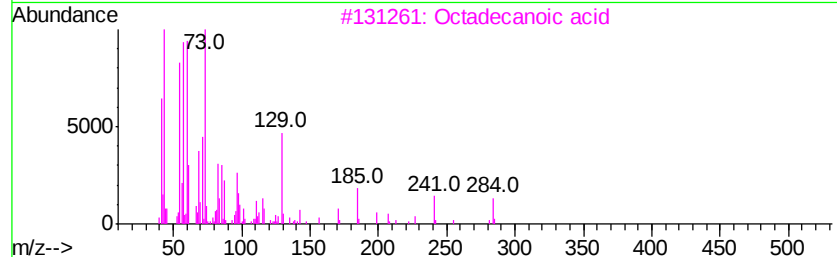
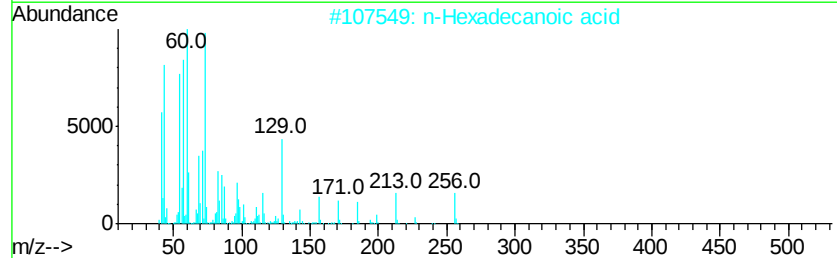
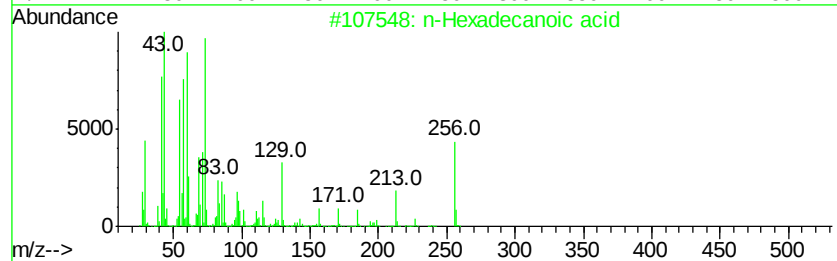
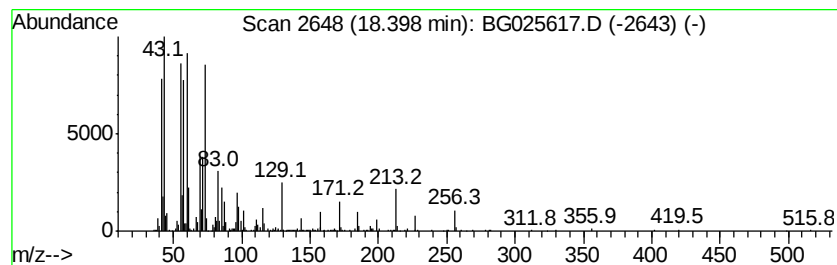
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.40 | 8.84 ng/ul | 765216 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |
| 3    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 72   |
| 4    |    | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 70   |
| 5    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 68   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

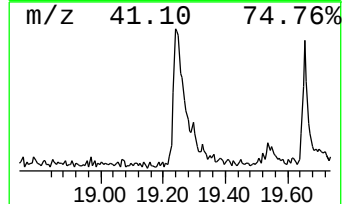
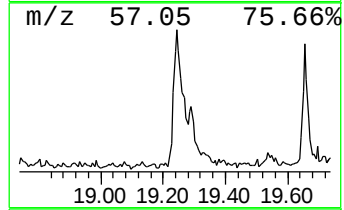
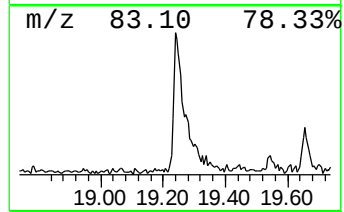
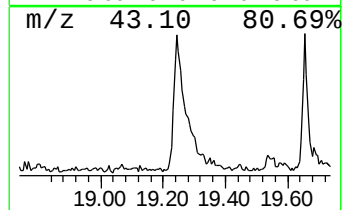
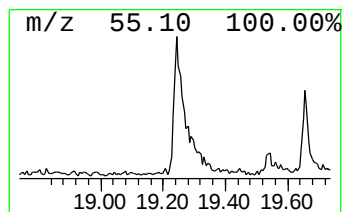
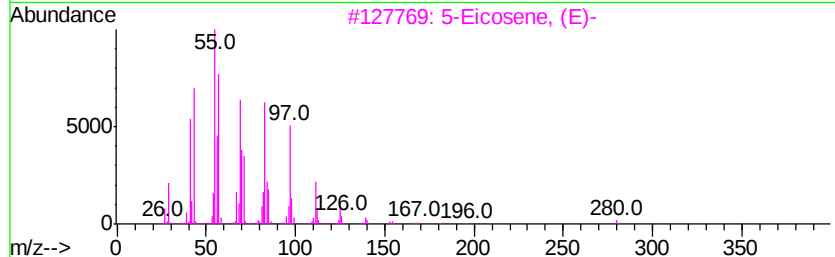
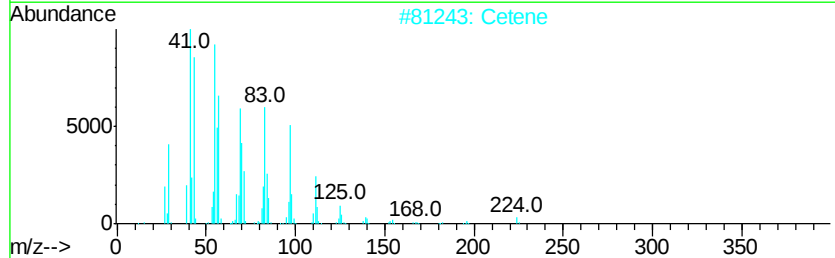
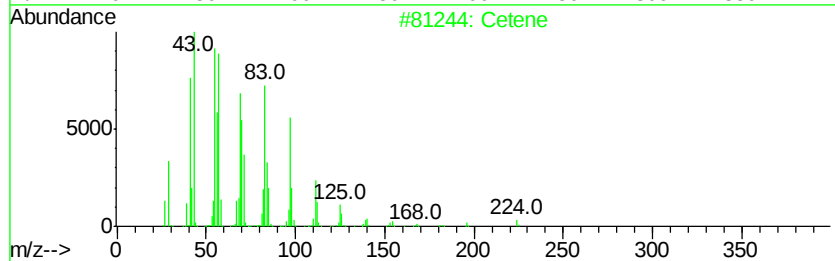
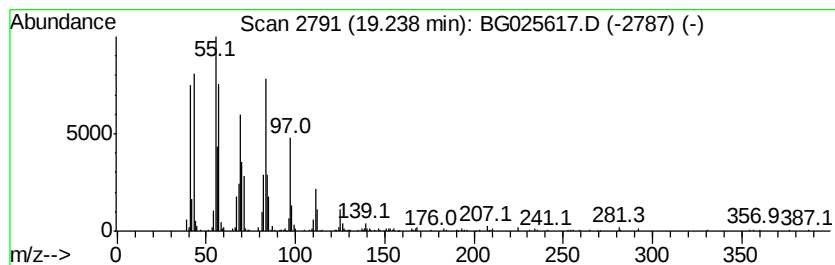
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic19.24 Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.24 | 12.44 ng/ul | 1076810 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Cetene           | 224 | C16H32  | 000629-73-2 | 95   |
| 2    |    | Cetene           | 224 | C16H32  | 000629-73-2 | 93   |
| 3    |    | 5-Eicosene, (E)- | 280 | C20H40  | 074685-30-6 | 91   |
| 4    |    | E-14-Hexadecenal | 238 | C16H30O | 330207-53-9 | 91   |
| 5    |    | 1-Octadecene     | 252 | C18H36  | 000112-88-9 | 91   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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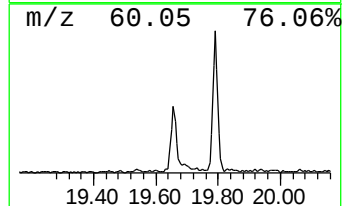
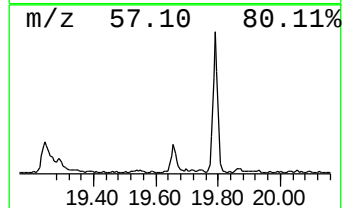
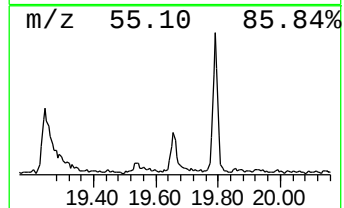
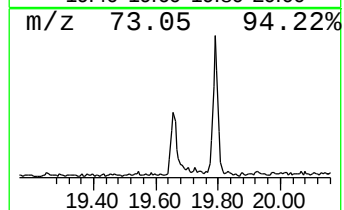
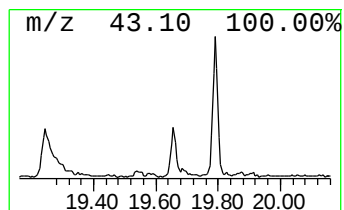
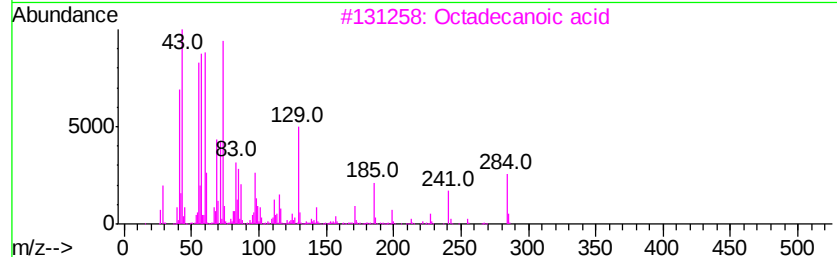
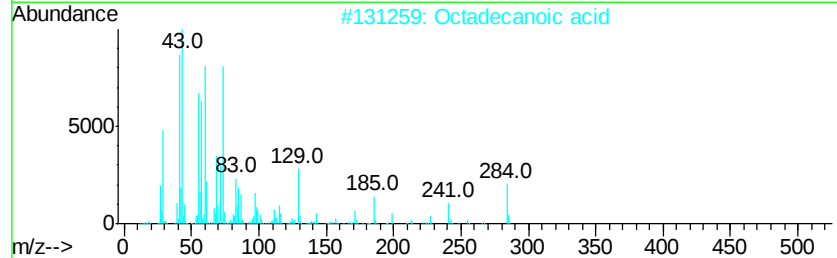
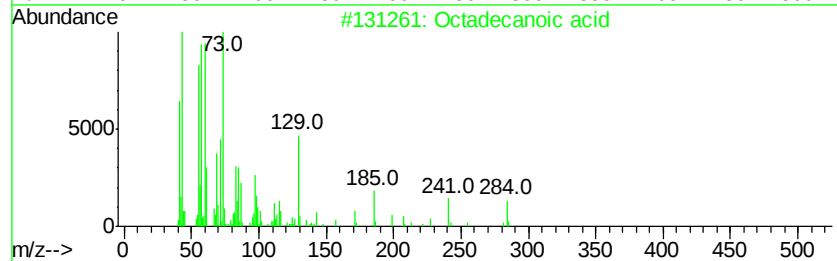
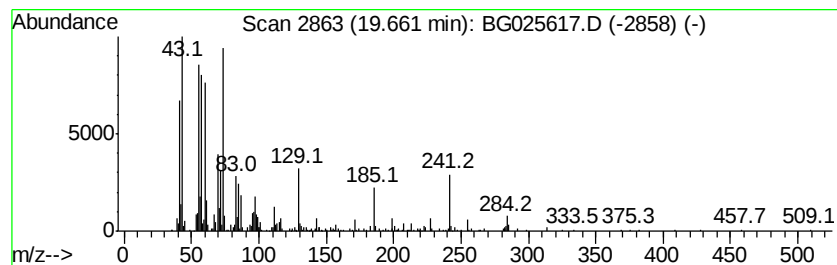
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.66 | 5.80 ng/ul | 501998 | Phenanthrene-d10 | 17.55 |

| Hit# of | 5                 | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|-------------------|--------------|----------|-------------|------|------|
| 1       | Octadecanoic acid | 284          | C18H36O2 | 000057-11-4 | 96   |      |
| 2       | Octadecanoic acid | 284          | C18H36O2 | 000057-11-4 | 95   |      |
| 3       | Octadecanoic acid | 284          | C18H36O2 | 000057-11-4 | 93   |      |
| 4       | Octadecanoic acid | 284          | C18H36O2 | 000057-11-4 | 93   |      |
| 5       | Octadecanoic acid | 284          | C18H36O2 | 000057-11-4 | 93   |      |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

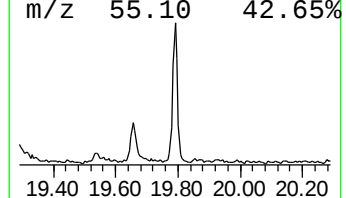
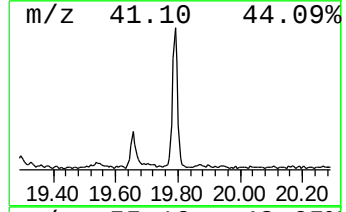
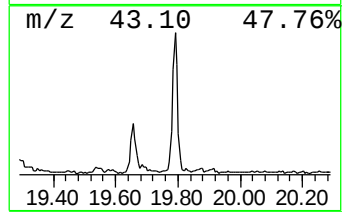
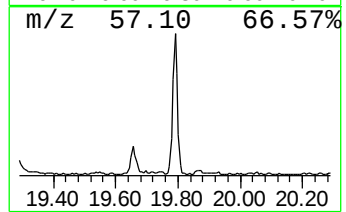
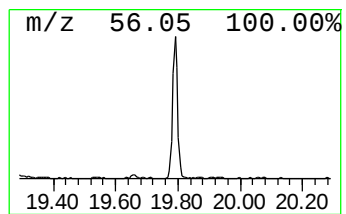
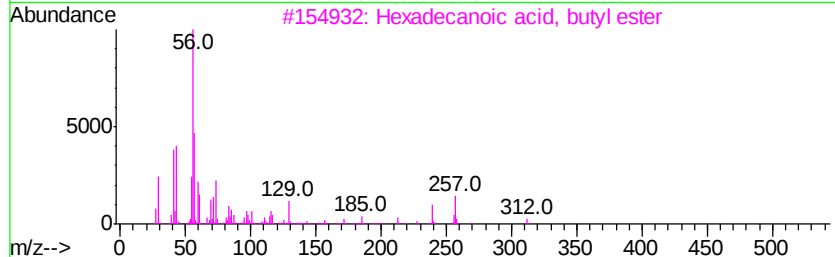
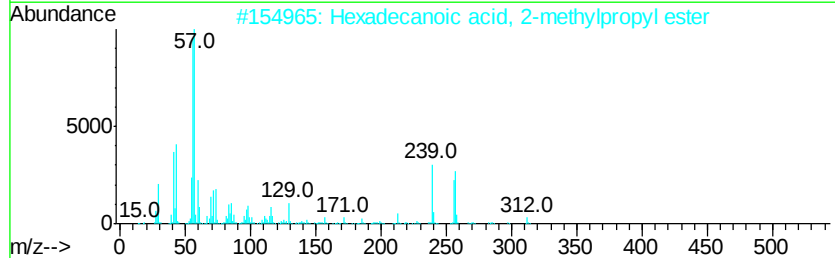
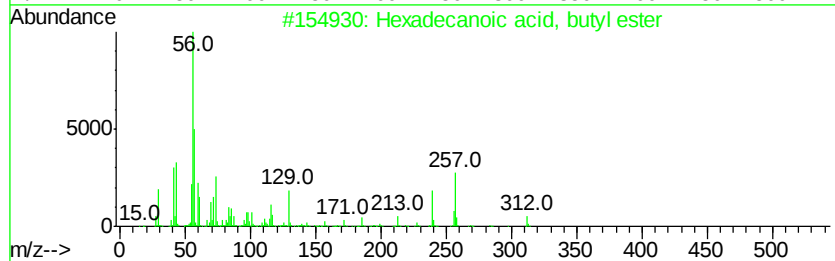
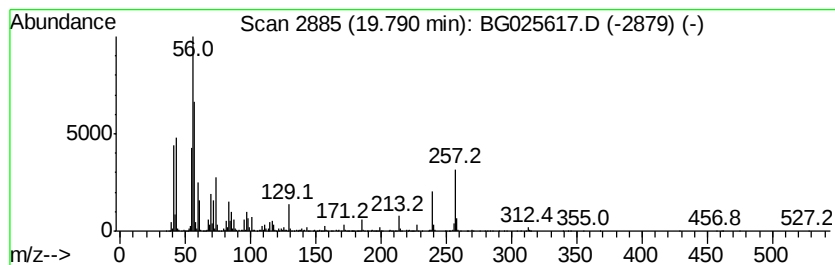
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.79 | 16.81 ng/ul | 1781570 | Chrysene-d12     | 21.85 |

| Hit# | of | Tentative ID                            | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester          | 312 | C20H40O2    | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, 2-methylpropyl ester | 312 | C20H40O2    | 000110-34-9 | 81   |
| 3    |    | Hexadecanoic acid, butyl ester          | 312 | C20H40O2    | 000111-06-8 | 68   |
| 4    |    | Hexadecanoic acid, 1,1-dimethylester    | 312 | C20H40O2    | 031158-91-5 | 64   |
| 5    |    | Chloromethyl 2-chloroundecanoate        | 268 | C12H22Cl2O2 | 080418-88-8 | 32   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

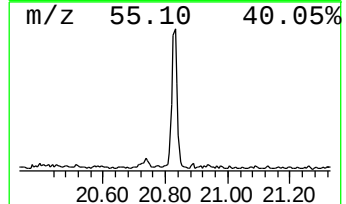
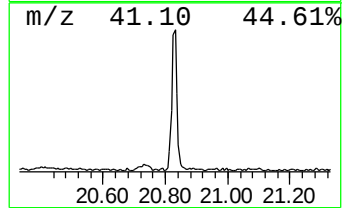
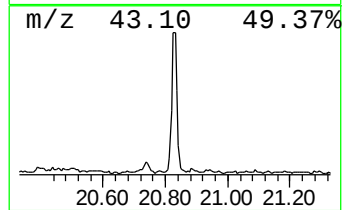
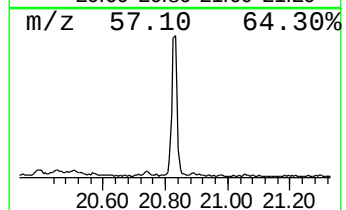
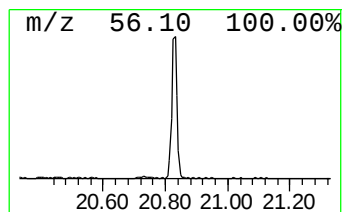
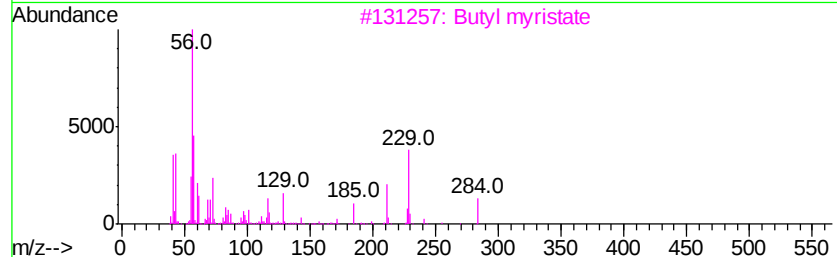
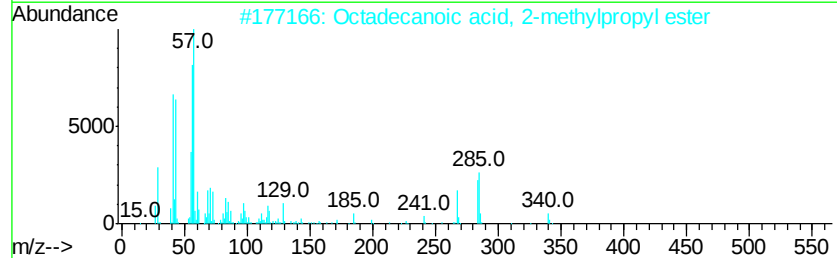
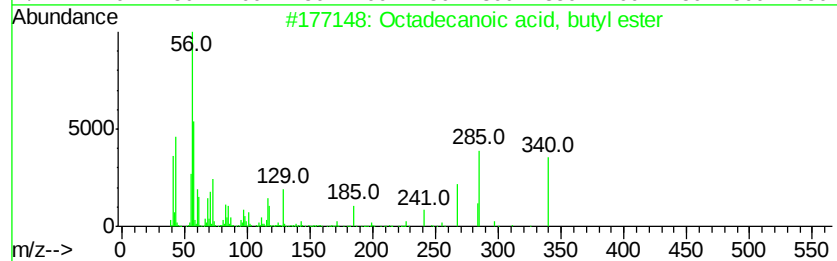
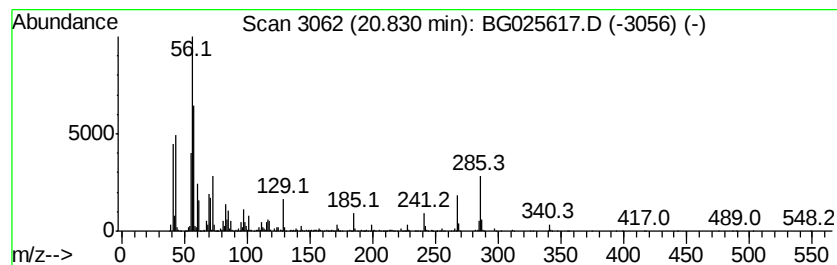
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.83 | 17.54 ng/ul | 1858850 | Chrysene-d12     | 21.85 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, butyl ester       | 340 | C22H44O2 | 000123-95-5 | 64   |
| 2    |    | Octadecanoic acid, 2-methylpropyl... | 340 | C22H44O2 | 000646-13-9 | 64   |
| 3    |    | Butyl myristate                      | 284 | C18H36O2 | 000110-36-1 | 53   |
| 4    |    | Octadecanoic acid, butyl ester       | 340 | C22H44O2 | 000123-95-5 | 53   |
| 5    |    | Cyclobutane, 1-hexyl-2,3-dimethyl-   | 168 | C12H24   | 055170-84-8 | 27   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

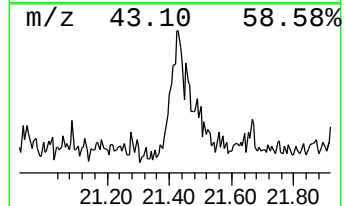
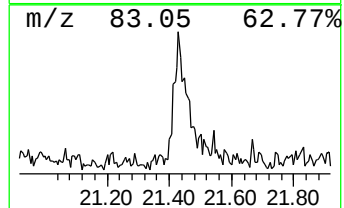
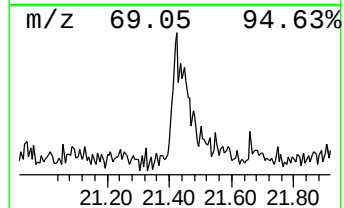
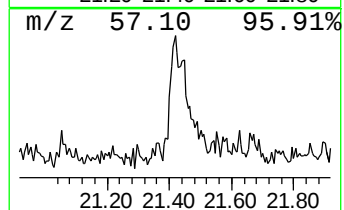
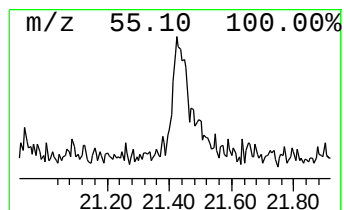
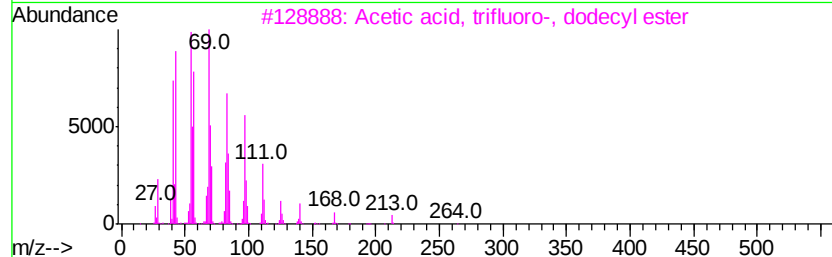
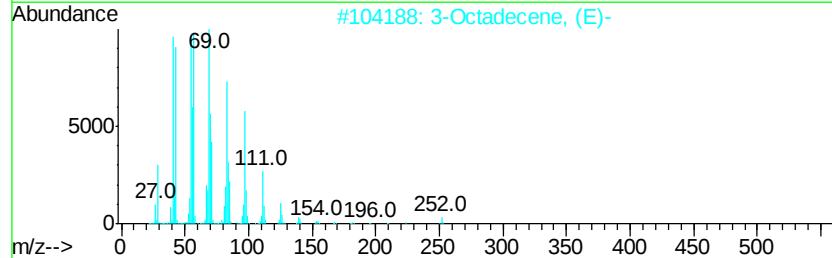
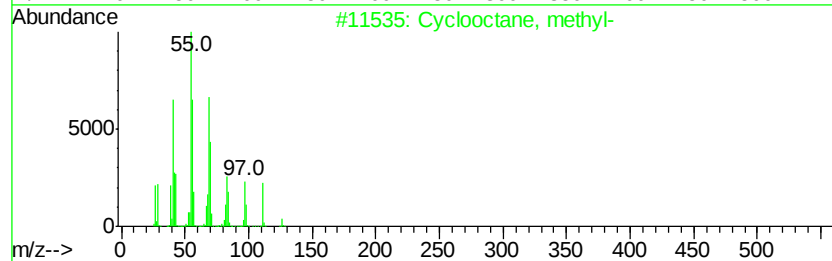
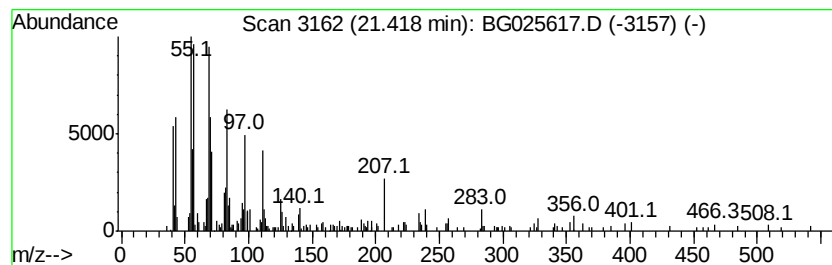
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Cyclic21.42 Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.42 | 3.34 ng/ul | 354133 | Chrysene-d12     | 21.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclooctane, methyl-                | 126 | C9H18      | 001502-38-1 | 74   |
| 2    |    | 3-Octadecene, (E)-                  | 252 | C18H36     | 007206-19-1 | 64   |
| 3    |    | Acetic acid, trifluoro-, dodecyl... | 282 | C14H25F3O2 | 006222-00-0 | 62   |
| 4    |    | 5-Tetradecene, (E)-                 | 196 | C14H28     | 041446-66-6 | 58   |
| 5    |    | 1-Dodecanol, 3,7,11-trimethyl-      | 228 | C15H32O    | 006750-34-1 | 49   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

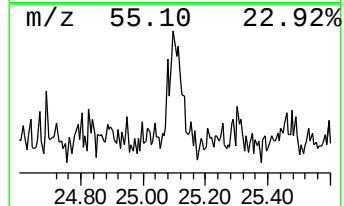
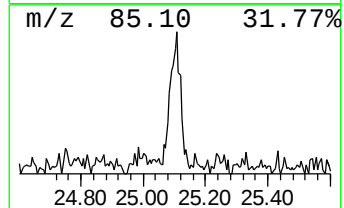
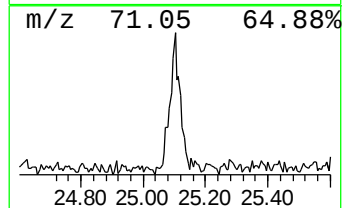
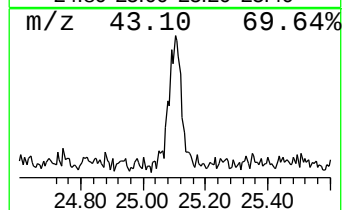
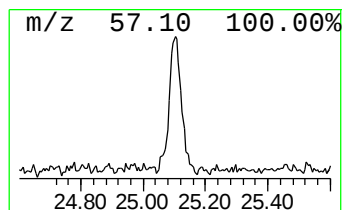
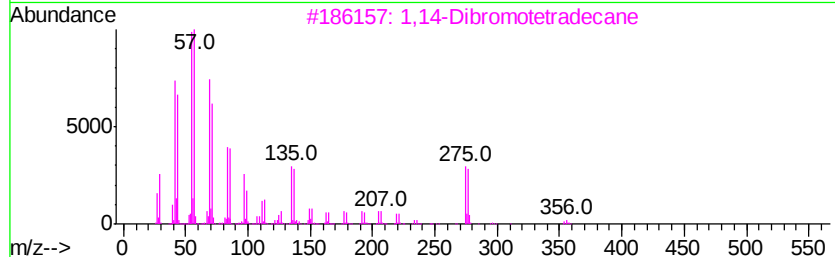
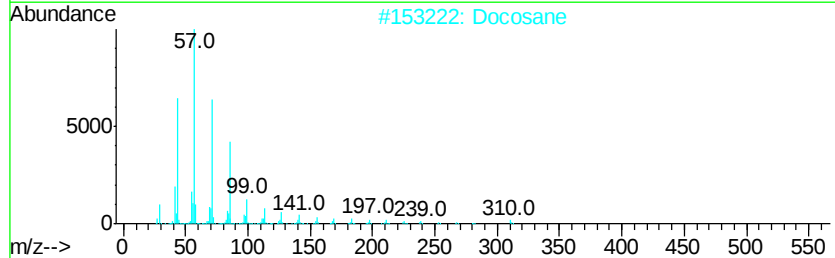
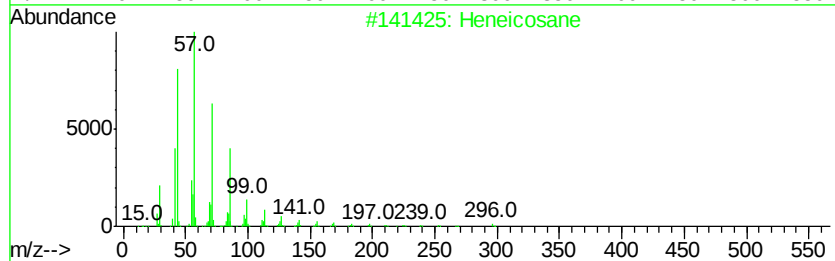
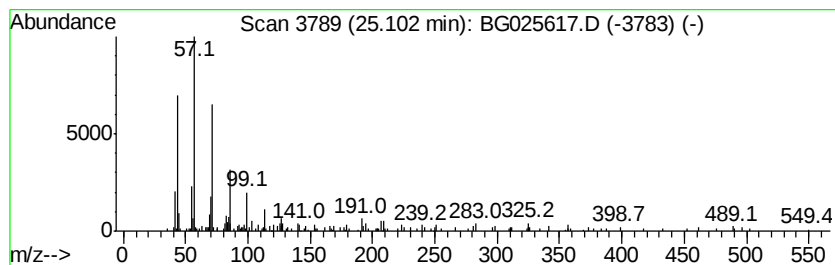
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.10 | 2.29 ng/ul | 230506 | Perylene-d12     | 25.23 |

| Hit# | of | Tentative ID             | MW  | MolForm   | CAS#        | Qual |
|------|----|--------------------------|-----|-----------|-------------|------|
| 1    | 5  | Heneicosane              | 296 | C21H44    | 000629-94-7 | 62   |
| 2    |    | Docosane                 | 310 | C22H46    | 000629-97-0 | 58   |
| 3    |    | 1,14-Dibromotetradecane  | 354 | C14H28Br2 | 037688-96-3 | 53   |
| 4    |    | Tridecane, 4,8-dimethyl- | 212 | C15H32    | 055030-62-1 | 53   |
| 5    |    | Docosane                 | 310 | C22H46    | 000629-97-0 | 52   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDP01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

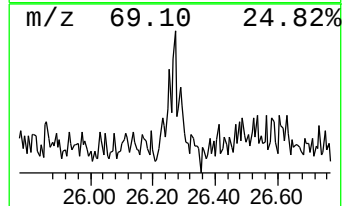
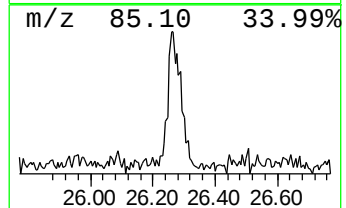
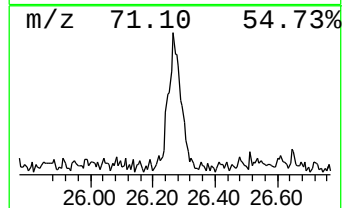
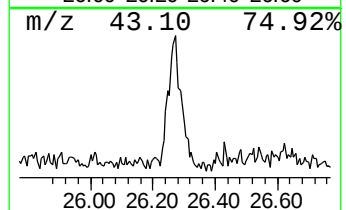
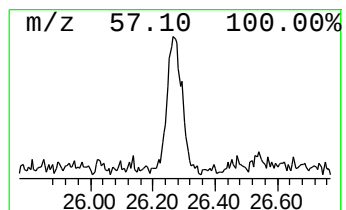
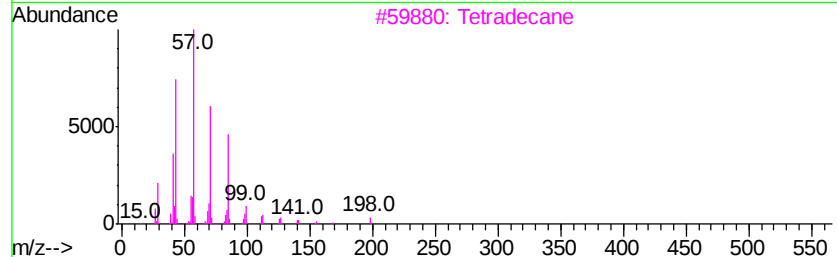
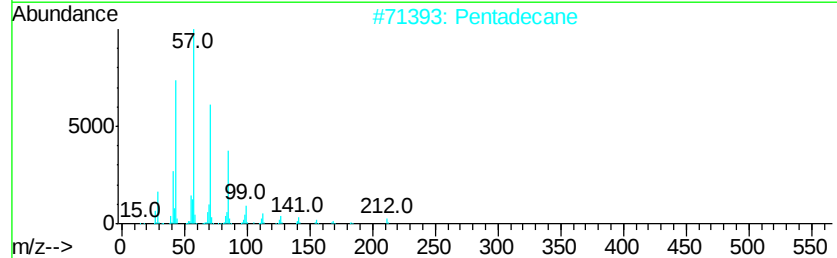
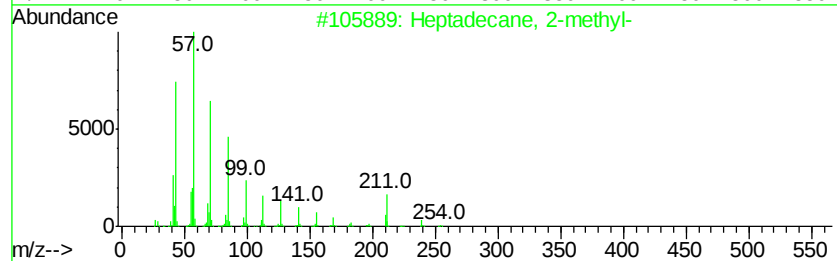
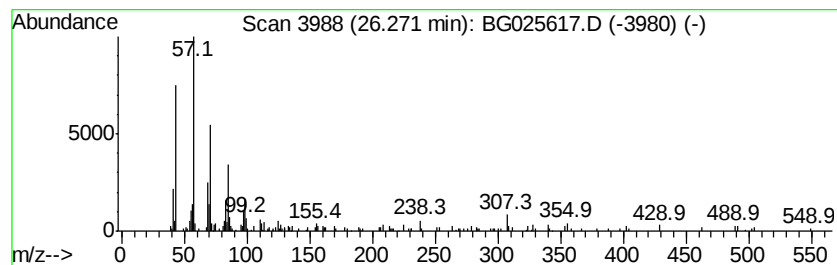
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.27 | 2.76 ng/ul | 278191 | Perylene-d12     | 25.23 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 2-methyl-    | 254 | C18H38  | 001560-89-0 | 90   |
| 2    |    |   | Pentadecane               | 212 | C15H32  | 000629-62-9 | 90   |
| 3    |    |   | Tetradecane               | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    |   | Heptadecane               | 240 | C17H36  | 000629-78-7 | 81   |
| 5    |    |   | Hexadecane, 7,9-dimethyl- | 254 | C18H38  | 021164-95-4 | 74   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDP01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

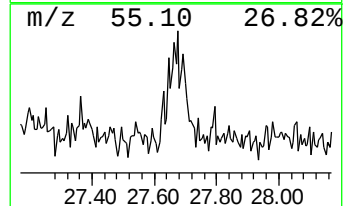
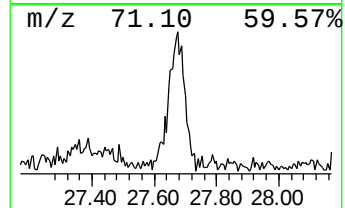
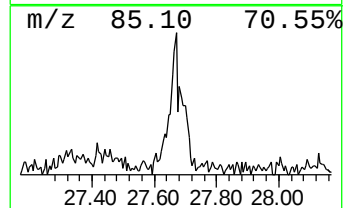
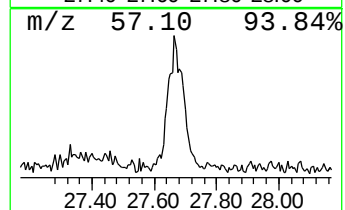
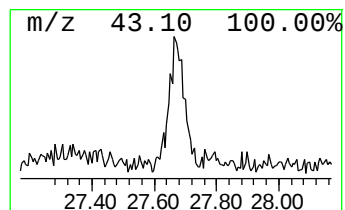
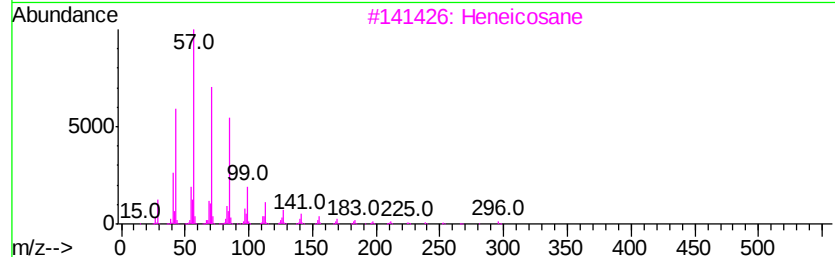
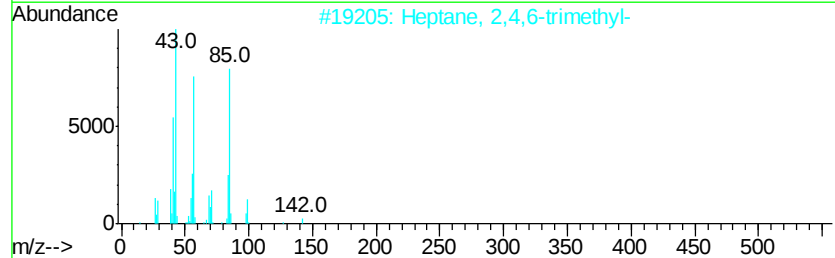
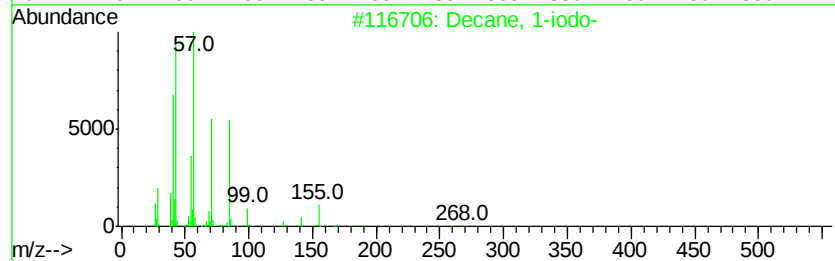
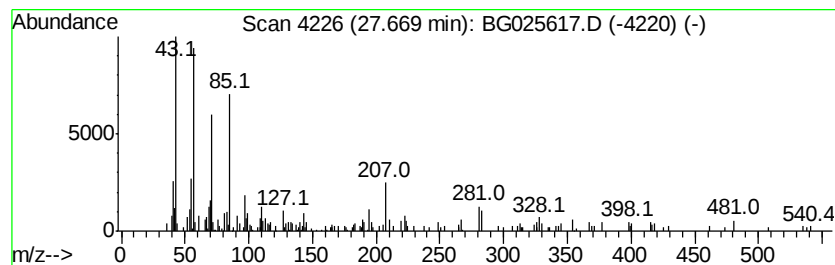
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Decane, 1-iodo- Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.67 | 2.19 ng/ul | 219971 | Perylene-d12     | 25.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decane, 1-iodo-                     | 268 | C10H21I   | 002050-77-3  | 50   |
| 2    |    | Heptane, 2,4,6-trimethyl-           | 142 | C10H22    | 002613-61-8  | 43   |
| 3    |    | Heneicosane                         | 296 | C21H44    | 000629-94-7  | 43   |
| 4    |    | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 38   |
| 5    |    | Sulfurous acid, butyl isohexyl e... | 222 | C10H22O3S | 1000309-17-2 | 38   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDP01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION

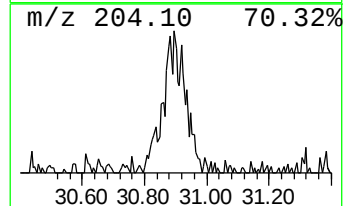
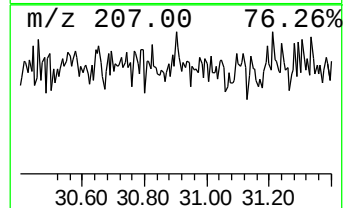
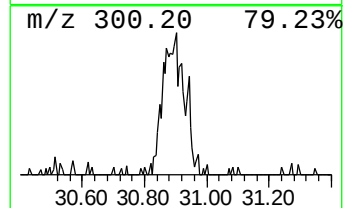
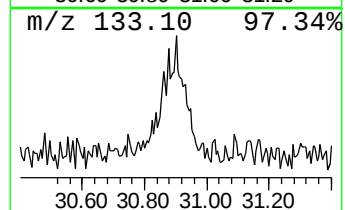
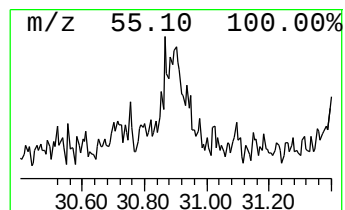
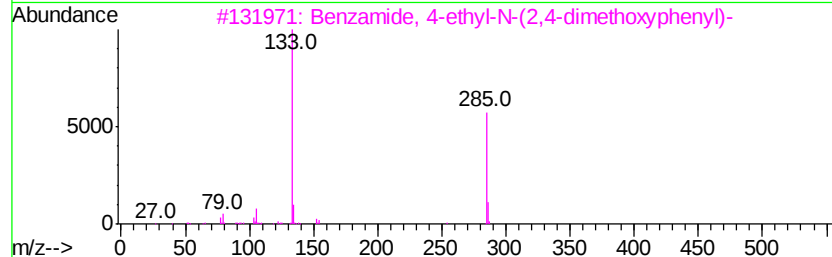
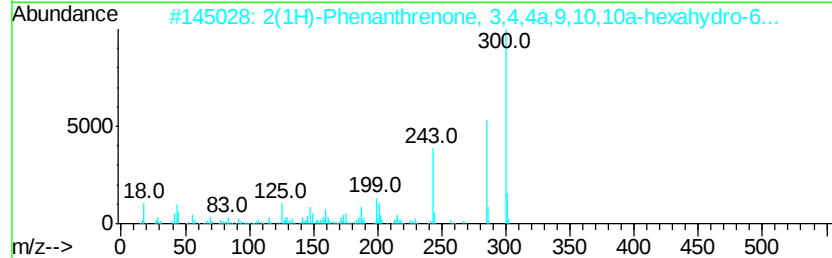
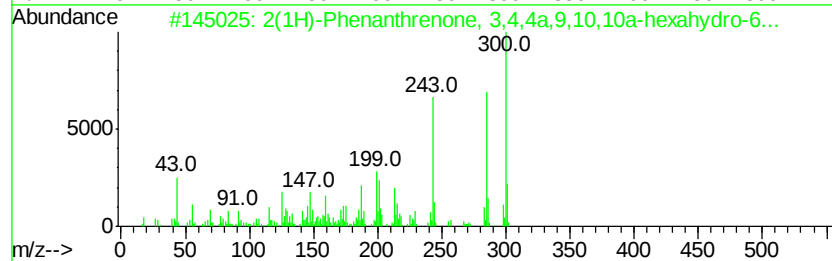
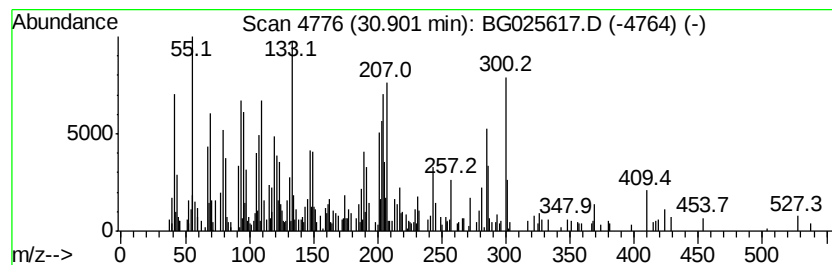
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown-01 Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.90 | 6.68 ng/ul | 672005 | Perylene-d12     | 25.23 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2(1H)-Phenanthrenone, 3,4,4a,9,1... | 300 | C20H28O2   | 000472-37-7  | 25   |
| 2    |    |   | 2(1H)-Phenanthrenone, 3,4,4a,9,1... | 300 | C20H28O2   | 000472-37-7  | 25   |
| 3    |    |   | Benzamide, 4-ethyl-N-(2,4-dimeth... | 285 | C17H19NO3  | 1000340-35-3 | 22   |
| 4    |    |   | Acetamide, 2-[1,6,7-dihydro-2,1,... | 300 | C15H16N4O3 | 1000319-88-7 | 22   |
| 5    |    |   | Pyrimido[1,2-a]indole, 4-isoprop... | 300 | C21H20N2   | 163158-91-6  | 22   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012417\  
Data File : BG025617.D  
Acq On : 24 Jan 2017 21:10  
Operator : UM/SJ  
Sample : I1316-20  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDP01

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.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 |
| (DEL) Alkane: Str... | 16.45 | 2.2     | ng/ul | 191458   | 4                     | 17.55 | 1731080 | 20.0 |
| 4-Heptafluorobuty... | 17.89 | 2.9     | ng/ul | 254169   | 4                     | 17.55 | 1731080 | 20.0 |
| n-Hexadecanoic acid  | 18.40 | 8.8     | ng/ul | 765216   | 4                     | 17.55 | 1731080 | 20.0 |
| (DEL) Alkane: Cyc... | 19.24 | 12.4    | ng/ul | 1076810  | 4                     | 17.55 | 1731080 | 20.0 |
| Octadecanoic acid    | 19.66 | 5.8     | ng/ul | 501998   | 4                     | 17.55 | 1731080 | 20.0 |
| Hexadecanoic acid... | 19.79 | 16.8    | ng/ul | 1781570  | 5                     | 21.85 | 2119620 | 20.0 |
| Octadecanoic acid... | 20.83 | 17.5    | ng/ul | 1858850  | 5                     | 21.85 | 2119620 | 20.0 |
| (DEL) Alkane: Cyc... | 21.42 | 3.3     | ng/ul | 354133   | 5                     | 21.85 | 2119620 | 20.0 |
| (DEL) Alkane: Str... | 25.10 | 2.3     | ng/ul | 230506   | 6                     | 25.23 | 2012460 | 20.0 |
| (DEL) Alkane: Str... | 26.27 | 2.8     | ng/ul | 278191   | 6                     | 25.23 | 2012460 | 20.0 |
| Decane, 1-iodo-      | 27.67 | 2.2     | ng/ul | 219971   | 6                     | 25.23 | 2012460 | 20.0 |
| unknown-01           | 30.90 | 6.7     | ng/ul | 672005   | 6                     | 25.23 | 2012460 | 20.0 |