

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
 Data File : BG028136.D  
 Acq On : 3 Aug 2017 11:33  
 Operator : SJ/JU  
 Sample : I4405-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JJ2X4

## 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\SOM-EPA-BG080217.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      | 3.852    | 41         | 45       | 55        | rVB5  | 5678        | 13553      | 0.78%        | 0.052%     |
| 2      | 4.710    | 186        | 191      | 197       | rBV5  | 8156        | 13298      | 0.76%        | 0.051%     |
| 3      | 5.115    | 250        | 260      | 263       | rVB4  | 5868        | 12242      | 0.70%        | 0.047%     |
| 4      | 5.879    | 383        | 390      | 397       | rVB   | 21669       | 34765      | 2.00%        | 0.134%     |
| 5      | 6.355    | 461        | 471      | 483       | rBV   | 108489      | 190583     | 10.95%       | 0.737%     |
| 6      | 6.849    | 545        | 555      | 561       | rVB3  | 9488        | 13965      | 0.80%        | 0.054%     |
| 7      | 7.507    | 659        | 667      | 683       | rVB4  | 189897      | 430054     | 24.71%       | 1.664%     |
| 8      | 7.677    | 689        | 696      | 706       | rBV   | 84387       | 150241     | 8.63%        | 0.581%     |
| 9      | 7.783    | 708        | 714      | 720       | rVB4  | 10305       | 17071      | 0.98%        | 0.066%     |
| 10     | 7.900    | 726        | 734      | 742       | rBV   | 111195      | 203329     | 11.68%       | 0.787%     |
| 11     | 8.365    | 806        | 813      | 827       | rVB   | 138269      | 260997     | 14.99%       | 1.010%     |
| 12     | 8.605    | 847        | 854      | 862       | rVB4  | 5200        | 11447      | 0.66%        | 0.044%     |
| 13     | 9.058    | 923        | 931      | 943       | rVV2  | 162167      | 307113     | 17.64%       | 1.188%     |
| 14     | 9.187    | 945        | 953      | 964       | rBV   | 101506      | 185944     | 10.68%       | 0.719%     |
| 15     | 9.534    | 1004       | 1012     | 1021      | rVV2  | 128795      | 252228     | 14.49%       | 0.976%     |
| 16     | 9.810    | 1052       | 1059     | 1068      | rVB5  | 6102        | 12031      | 0.69%        | 0.047%     |
| 17     | 10.256   | 1126       | 1135     | 1143      | rBV   | 116527      | 214043     | 12.30%       | 0.828%     |
| 18     | 10.803   | 1209       | 1228     | 1241      | rBV   | 171092      | 352490     | 20.25%       | 1.363%     |
| 19     | 11.185   | 1286       | 1293     | 1307      | rVB   | 240899      | 458295     | 26.33%       | 1.773%     |
| 20     | 11.320   | 1307       | 1316     | 1325      | rBV4  | 23646       | 52517      | 3.02%        | 0.203%     |
| 21     | 11.567   | 1352       | 1358     | 1369      | rVB2  | 15144       | 29265      | 1.68%        | 0.113%     |
| 22     | 12.101   | 1439       | 1449     | 1456      | rBV5  | 7604        | 23585      | 1.35%        | 0.091%     |
| 23     | 12.389   | 1492       | 1498     | 1505      | rBV5  | 5119        | 10866      | 0.62%        | 0.042%     |
| 24     | 12.930   | 1583       | 1590     | 1606      | rBV2  | 73109       | 219815     | 12.63%       | 0.850%     |
| 25     | 13.394   | 1663       | 1669     | 1677      | rBV3  | 11177       | 26706      | 1.53%        | 0.103%     |
| 26     | 13.459   | 1677       | 1680     | 1688      | rVB7  | 5643        | 10830      | 0.62%        | 0.042%     |
| 27     | 13.564   | 1693       | 1698     | 1705      | rVB6  | 5873        | 12597      | 0.72%        | 0.049%     |
| 28     | 13.782   | 1724       | 1735     | 1745      | rBV6  | 25102       | 58767      | 3.38%        | 0.227%     |
| 29     | 14.093   | 1780       | 1788     | 1800      | rBV2  | 31666       | 69746      | 4.01%        | 0.270%     |
| 30     | 14.363   | 1825       | 1834     | 1838      | rBV   | 388600      | 614326     | 35.29%       | 2.376%     |
| 31     | 14.405   | 1838       | 1841     | 1852      | rVB   | 105573      | 159820     | 9.18%        | 0.618%     |
| 32     | 14.669   | 1877       | 1886     | 1895      | rVV   | 406608      | 674113     | 38.73%       | 2.608%     |
| 33     | 14.828   | 1909       | 1913     | 1921      | rBV7  | 17580       | 28065      | 1.61%        | 0.109%     |
| 34     | 14.898   | 1921       | 1925     | 1928      | rVV4  | 8086        | 10615      | 0.61%        | 0.041%     |

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 Peak separation: 1

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 Title : SVOA CALIBRATION

|    |        |      |      |      |       |        |         |        |        |
|----|--------|------|------|------|-------|--------|---------|--------|--------|
| 35 | 14.974 | 1928 | 1938 | 1946 | rVB2  | 407894 | 707160  | 40.62% | 2.735% |
| 36 | 15.115 | 1955 | 1962 | 1966 | rBV4  | 20847  | 36059   | 2.07%  | 0.139% |
| 37 | 15.168 | 1966 | 1971 | 1980 | rVV3  | 71032  | 156974  | 9.02%  | 0.607% |
| 38 | 15.286 | 1986 | 1991 | 1993 | rBV5  | 13304  | 19902   | 1.14%  | 0.077% |
| 39 | 15.356 | 1999 | 2003 | 2014 | rVB10 | 14496  | 44289   | 2.54%  | 0.171% |
| 40 | 15.533 | 2028 | 2033 | 2040 | rBV3  | 35762  | 55988   | 3.22%  | 0.217% |
| 41 | 15.773 | 2070 | 2074 | 2080 | rVB3  | 18257  | 26804   | 1.54%  | 0.104% |
| 42 | 15.961 | 2099 | 2106 | 2112 | rVB   | 567773 | 884411  | 50.81% | 3.421% |
| 43 | 16.020 | 2112 | 2116 | 2119 | rBV5  | 10399  | 16281   | 0.94%  | 0.063% |
| 44 | 16.067 | 2120 | 2124 | 2135 | rVB2  | 151677 | 276667  | 15.89% | 1.070% |
| 45 | 16.179 | 2136 | 2143 | 2145 | rVV6  | 11455  | 23568   | 1.35%  | 0.091% |
| 46 | 16.226 | 2145 | 2151 | 2156 | rVB7  | 22030  | 46536   | 2.67%  | 0.180% |
| 47 | 16.314 | 2162 | 2166 | 2170 | rBV7  | 9825   | 17337   | 1.00%  | 0.067% |
| 48 | 16.367 | 2170 | 2175 | 2183 | rVV5  | 40829  | 73650   | 4.23%  | 0.285% |
| 49 | 16.437 | 2183 | 2187 | 2192 | rVV2  | 16513  | 23436   | 1.35%  | 0.091% |
| 50 | 16.502 | 2192 | 2198 | 2208 | rVB   | 354555 | 507762  | 29.17% | 1.964% |
| 51 | 16.590 | 2208 | 2213 | 2216 | rBV6  | 8730   | 12522   | 0.72%  | 0.048% |
| 52 | 16.637 | 2216 | 2221 | 2228 | rBV3  | 64101  | 107202  | 6.16%  | 0.415% |
| 53 | 16.725 | 2228 | 2236 | 2246 | rVV   | 49224  | 104018  | 5.98%  | 0.402% |
| 54 | 16.819 | 2246 | 2252 | 2258 | rVB10 | 9803   | 23265   | 1.34%  | 0.090% |
| 55 | 16.972 | 2273 | 2278 | 2280 | rBV4  | 29202  | 46749   | 2.69%  | 0.181% |
| 56 | 17.048 | 2281 | 2291 | 2307 | rVB4  | 229303 | 615290  | 35.35% | 2.380% |
| 57 | 17.178 | 2309 | 2313 | 2323 | rVB9  | 31134  | 66907   | 3.84%  | 0.259% |
| 58 | 17.254 | 2323 | 2326 | 2330 | rBV2  | 14724  | 24110   | 1.39%  | 0.093% |
| 59 | 17.307 | 2331 | 2335 | 2338 | rVB   | 29685  | 34346   | 1.97%  | 0.133% |
| 60 | 17.348 | 2339 | 2342 | 2345 | rBV   | 13683  | 12206   | 0.70%  | 0.047% |
| 61 | 17.430 | 2352 | 2356 | 2359 | rVB3  | 17720  | 20997   | 1.21%  | 0.081% |
| 62 | 17.477 | 2360 | 2364 | 2367 | rVV5  | 29308  | 50402   | 2.90%  | 0.195% |
| 63 | 17.518 | 2367 | 2371 | 2378 | rVB2  | 79687  | 114504  | 6.58%  | 0.443% |
| 64 | 17.624 | 2385 | 2389 | 2391 | rBV2  | 13803  | 17552   | 1.01%  | 0.068% |
| 65 | 17.665 | 2391 | 2396 | 2400 | rVV2  | 191367 | 285047  | 16.37% | 1.103% |
| 66 | 17.724 | 2400 | 2406 | 2410 | rVV   | 520108 | 854817  | 49.11% | 3.307% |
| 67 | 17.765 | 2410 | 2413 | 2417 | rVV   | 112823 | 160201  | 9.20%  | 0.620% |
| 68 | 17.818 | 2417 | 2422 | 2440 | rVB2  | 586386 | 1083041 | 62.22% | 4.189% |
| 69 | 18.030 | 2453 | 2458 | 2461 | rBV7  | 9517   | 20574   | 1.18%  | 0.080% |
| 70 | 18.112 | 2462 | 2472 | 2484 | rVV2  | 143848 | 292398  | 16.80% | 1.131% |
| 71 | 18.212 | 2484 | 2489 | 2500 | rVB2  | 113037 | 303745  | 17.45% | 1.175% |

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Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |       |         |         |         |        |
|-----|--------|------|------|------|-------|---------|---------|---------|--------|
| 72  | 18.329 | 2504 | 2509 | 2513 | rBV2  | 60090   | 86095   | 4.95%   | 0.333% |
| 73  | 18.412 | 2516 | 2523 | 2530 | rVB3  | 87019   | 218556  | 12.56%  | 0.845% |
| 74  | 18.506 | 2535 | 2539 | 2543 | rBV7  | 13724   | 20451   | 1.17%   | 0.079% |
| 75  | 18.576 | 2545 | 2551 | 2567 | rBV6  | 83466   | 251948  | 14.47%  | 0.975% |
| 76  | 18.776 | 2581 | 2585 | 2593 | rBV10 | 25764   | 48629   | 2.79%   | 0.188% |
| 77  | 18.852 | 2595 | 2598 | 2607 | rVB10 | 14669   | 22713   | 1.30%   | 0.088% |
| 78  | 19.081 | 2631 | 2637 | 2641 | rBV   | 112589  | 182675  | 10.49%  | 0.707% |
| 79  | 19.122 | 2641 | 2644 | 2646 | rBV2  | 45390   | 54417   | 3.13%   | 0.210% |
| 80  | 19.510 | 2707 | 2710 | 2715 | rVB6  | 20597   | 29541   | 1.70%   | 0.114% |
| 81  | 19.575 | 2718 | 2721 | 2727 | rBV5  | 24515   | 39023   | 2.24%   | 0.151% |
| 82  | 19.698 | 2738 | 2742 | 2744 | rBV5  | 20691   | 33358   | 1.92%   | 0.129% |
| 83  | 19.857 | 2761 | 2769 | 2779 | rVB2  | 177826  | 412107  | 23.67%  | 1.594% |
| 84  | 20.098 | 2803 | 2810 | 2816 | rVB2  | 770417  | 1155162 | 66.36%  | 4.468% |
| 85  | 20.339 | 2848 | 2851 | 2855 | rVB   | 44878   | 54209   | 3.11%   | 0.210% |
| 86  | 20.585 | 2889 | 2893 | 2898 | rVB3  | 53689   | 76561   | 4.40%   | 0.296% |
| 87  | 21.050 | 2967 | 2972 | 2976 | rBV4  | 55752   | 108671  | 6.24%   | 0.420% |
| 88  | 21.179 | 2989 | 2994 | 3000 | rBV   | 254907  | 366821  | 21.07%  | 1.419% |
| 89  | 21.238 | 3001 | 3004 | 3011 | rVB   | 95799   | 143696  | 8.25%   | 0.556% |
| 90  | 21.355 | 3020 | 3024 | 3030 | rBV5  | 110383  | 190319  | 10.93%  | 0.736% |
| 91  | 21.608 | 3062 | 3067 | 3069 | rBV   | 272579  | 408817  | 23.49%  | 1.581% |
| 92  | 21.643 | 3069 | 3073 | 3080 | rVB   | 889089  | 1330997 | 76.46%  | 5.149% |
| 93  | 22.054 | 3136 | 3143 | 3156 | rVB   | 512749  | 1006884 | 57.84%  | 3.895% |
| 94  | 22.278 | 3175 | 3181 | 3189 | rVB   | 1062912 | 1692721 | 97.24%  | 6.548% |
| 95  | 22.795 | 3265 | 3269 | 3276 | rVB2  | 106606  | 187080  | 10.75%  | 0.724% |
| 96  | 23.300 | 3351 | 3355 | 3364 | rVB2  | 79773   | 163012  | 9.36%   | 0.631% |
| 97  | 25.327 | 3692 | 3700 | 3714 | rVB2  | 298333  | 905572  | 52.02%  | 3.503% |
| 98  | 25.574 | 3731 | 3742 | 3754 | rVB2  | 464944  | 1488920 | 85.53%  | 5.759% |
| 99  | 27.201 | 4009 | 4019 | 4032 | rVB3  | 322003  | 1130266 | 64.93%  | 4.372% |
| 100 | 27.595 | 4073 | 4086 | 4103 | rVB   | 473307  | 1740746 | 100.00% | 6.734% |

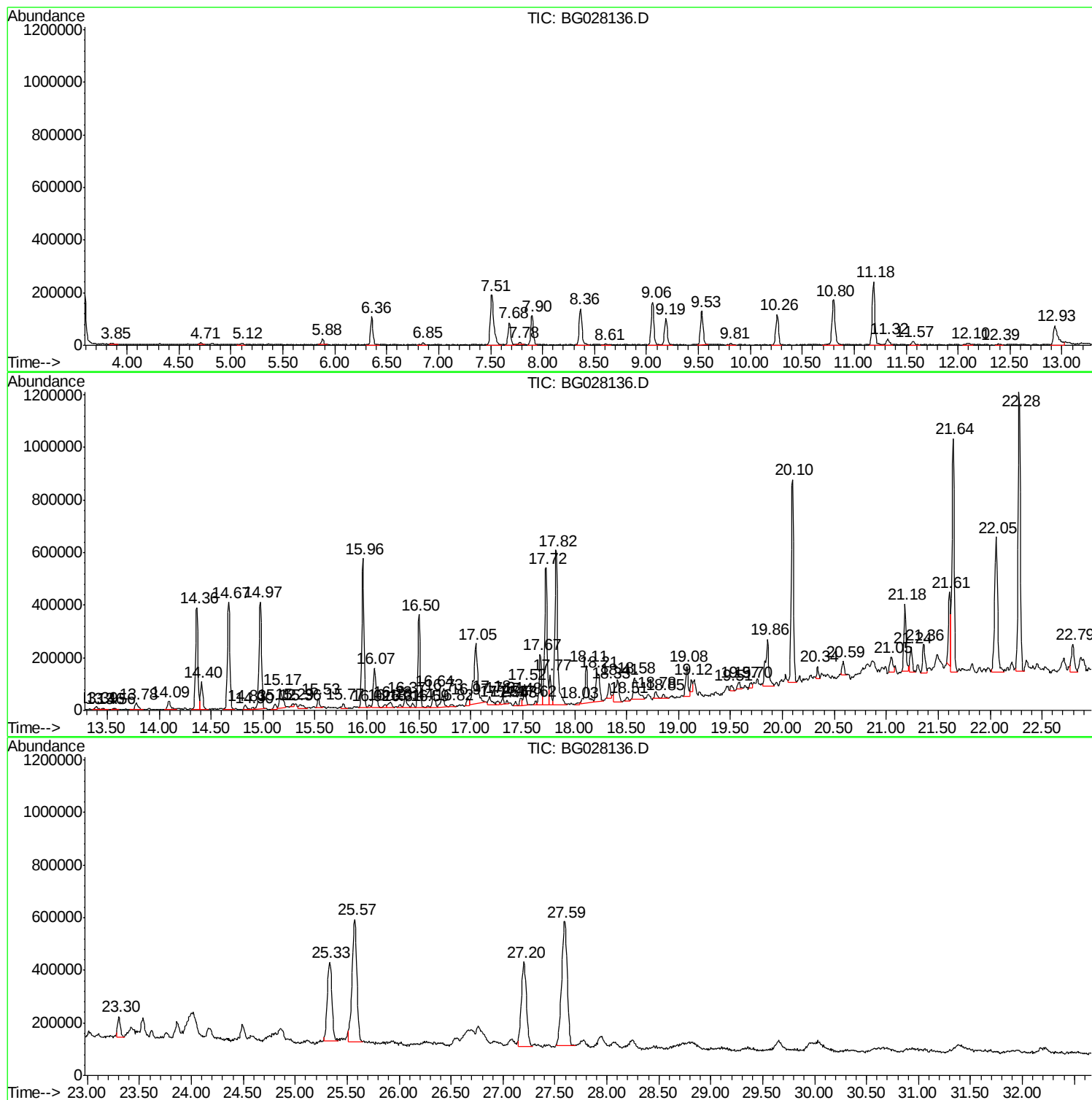
Sum of corrected areas: 25852006

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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



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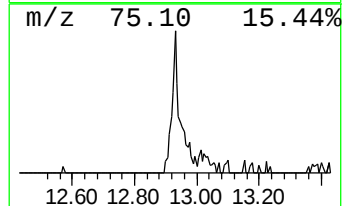
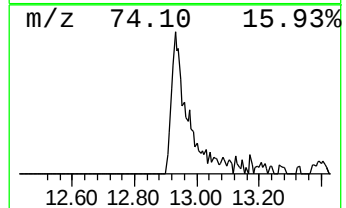
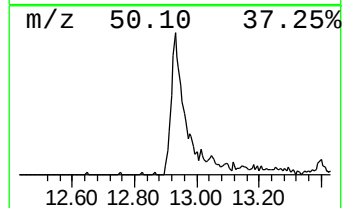
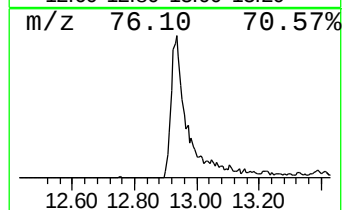
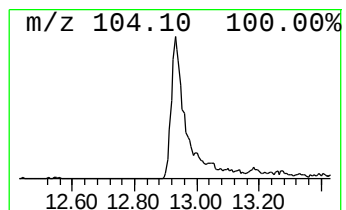
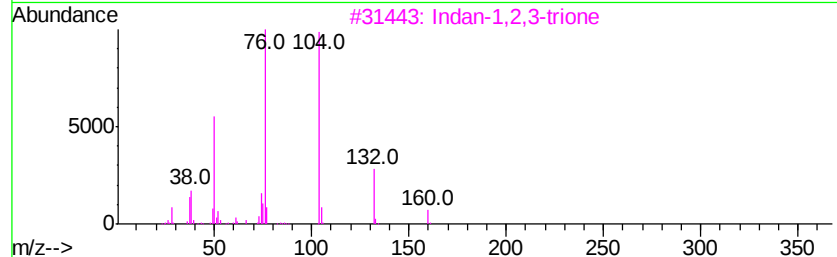
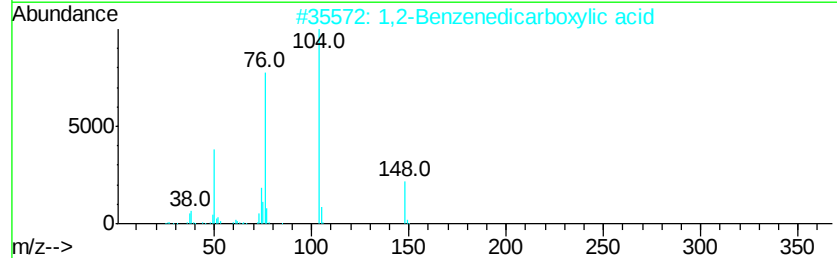
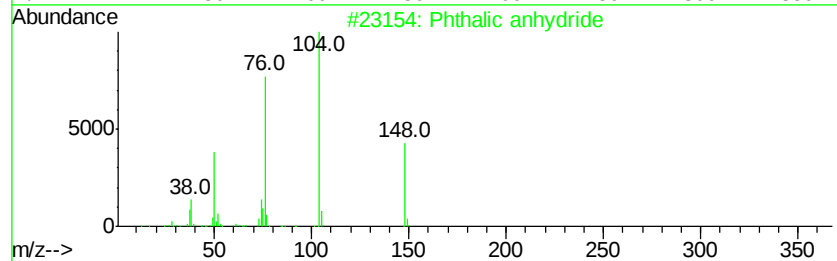
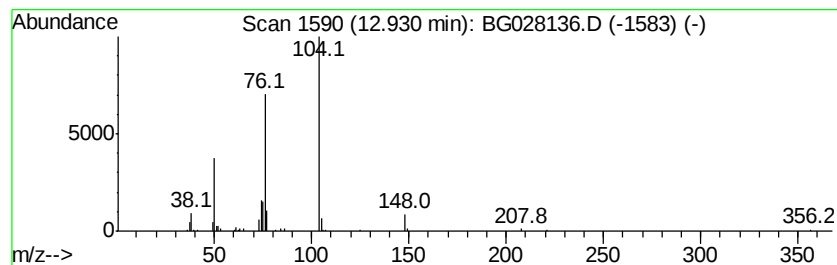
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Phthalic anhydride Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 12.93   | 9.59 ng/ul | 219815                              | Naphthalene-d8   | 11.18          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Phthalic anhydride                  | 148 C8H4O3       | 000085-44-9 91 |
| 2       |            | 1,2-Benzenedicarboxylic acid        | 166 C8H6O4       | 000088-99-3 90 |
| 3       |            | Indan-1,2,3-trione                  | 160 C9H4O3       | 000938-24-9 83 |
| 4       |            | Phthalamic acid                     | 165 C8H7NO3      | 000088-97-1 72 |
| 5       |            | 2-Sulfobenzoic acid cyclic anhyd... | 184 C7H4O4S      | 000081-08-3 72 |



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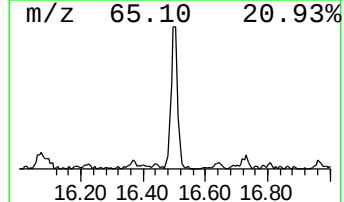
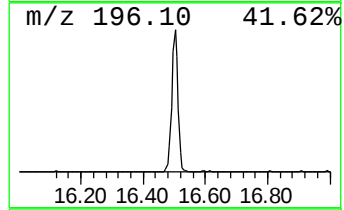
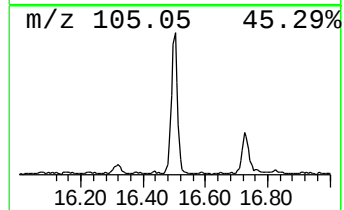
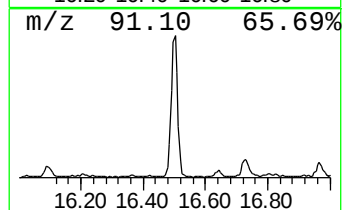
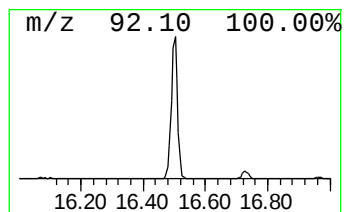
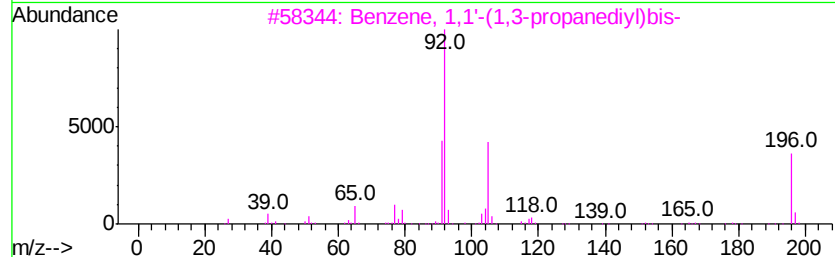
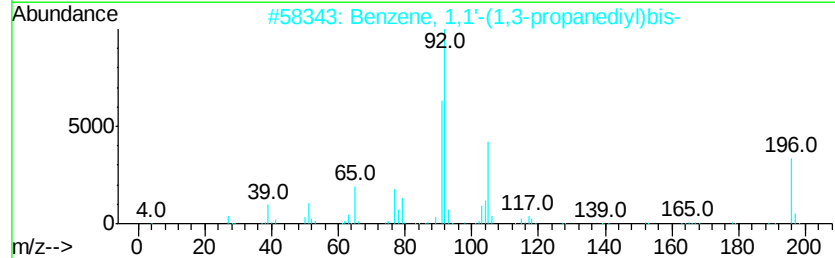
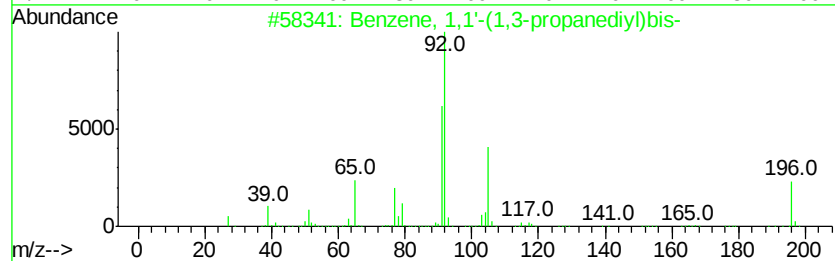
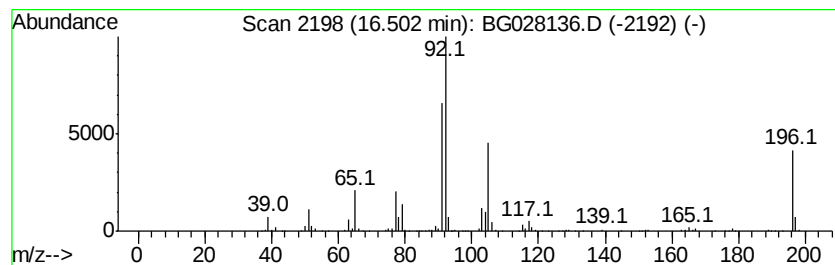
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1,1'-(1,3-propanediyl)bis- Concentration Rank 7

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 16.50 | 11.88 ng/ul | 507762 | Phenanthrene-d10 | 17.72 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | Benzene, 1,1'-(1,3-propanediyl)bis- | 196 | C15H16   | 001081-75-0 | 97   |
| 2       |   | Benzene, 1,1'-(1,3-propanediyl)bis- | 196 | C15H16   | 001081-75-0 | 96   |
| 3       |   | Benzene, 1,1'-(1,3-propanediyl)bis- | 196 | C15H16   | 001081-75-0 | 90   |
| 4       |   | Benzene, 1,1'-(1,3-propanediyl)bis- | 196 | C15H16   | 001081-75-0 | 70   |
| 5       |   | 1-Chloro-6-phenylhexane             | 196 | C12H17Cl | 071434-68-9 | 64   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

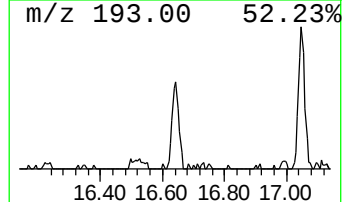
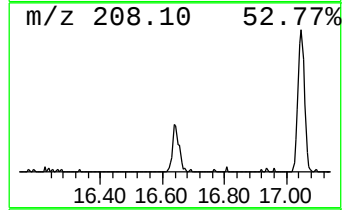
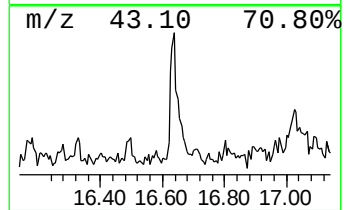
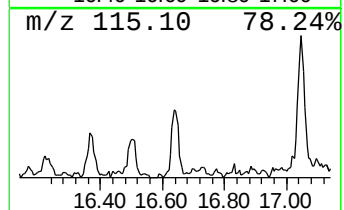
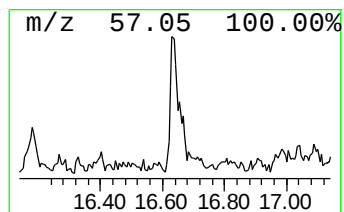
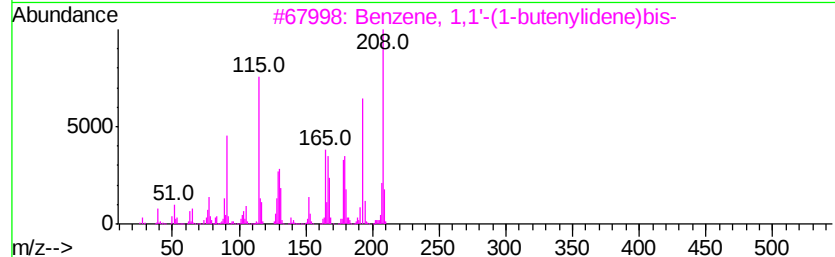
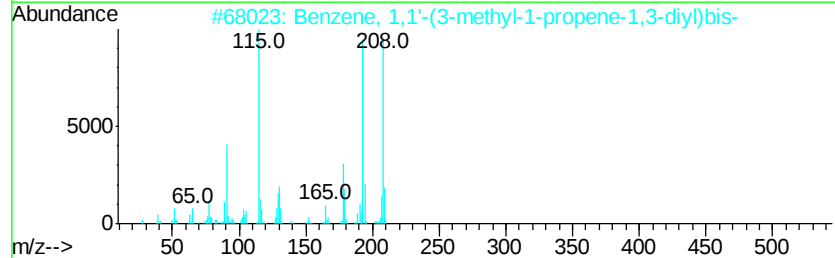
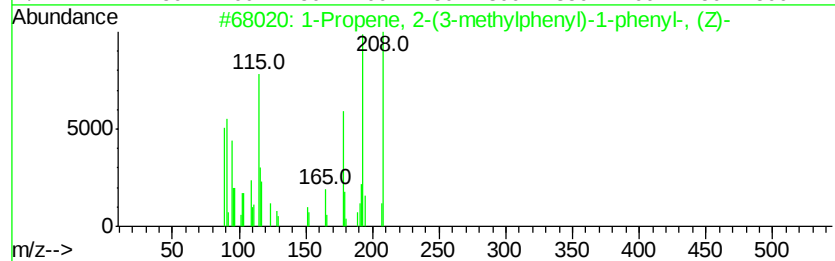
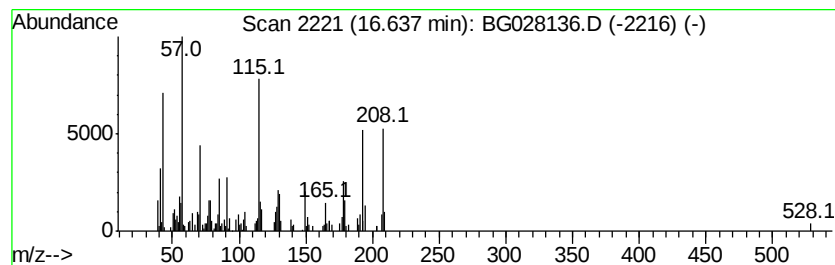
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1-Propene, 2-(3-methylpheny... Concentration Rank 24

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.64 | 2.51 ng/ul | 107202 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Propene, 2-(3-methylphenyl)-1-... | 208 | C16H16  | 1000138-72-6 | 70   |
| 2    |    | Benzene, 1,1'-(3-methyl-1-propen... | 208 | C16H16  | 007614-93-9  | 64   |
| 3    |    | Benzene, 1,1'-(1-butenylidene)bis-  | 208 | C16H16  | 001726-14-3  | 53   |
| 4    |    | 1-Propene, 2-(2-methylphenyl)-1-... | 208 | C16H16  | 1000138-72-4 | 43   |
| 5    |    | Benzene, 1,1'-(1,2-dimethyl-1,2-... | 208 | C16H16  | 000782-06-9  | 30   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

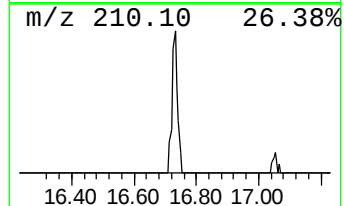
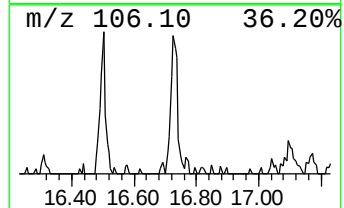
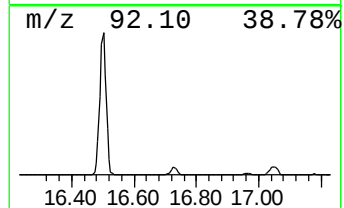
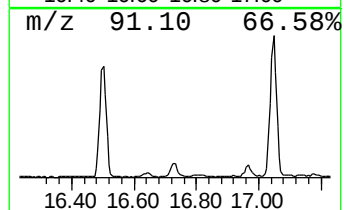
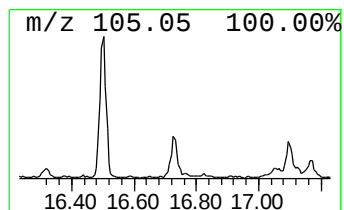
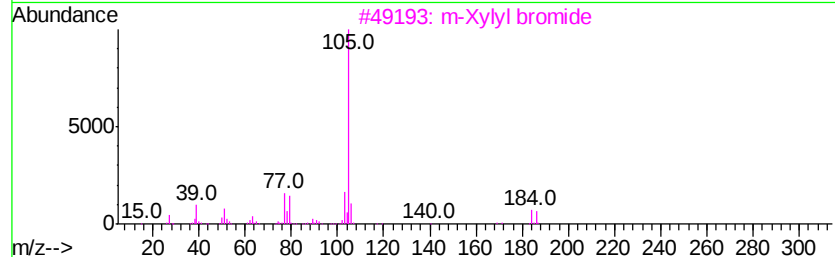
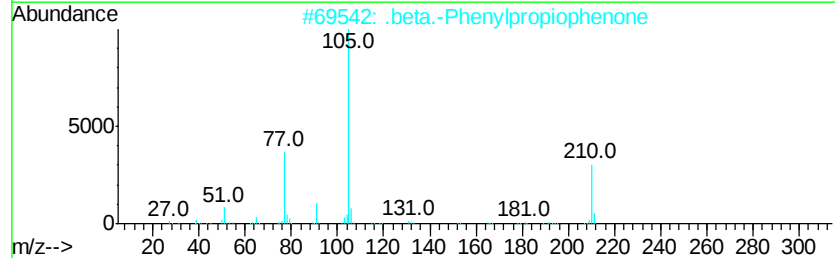
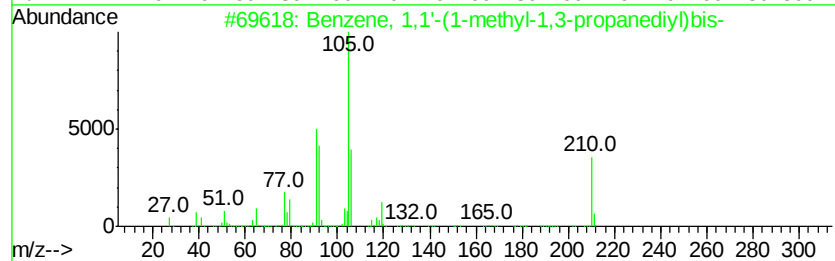
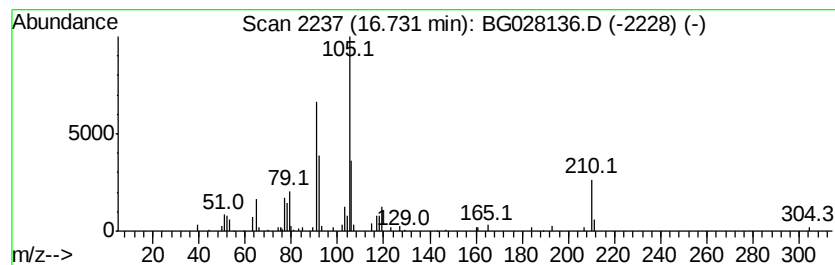
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,1'-(1-methyl-1,3... Concentration Rank 25

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.73 | 2.43 ng/ul | 104018 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1,1'-(1-methyl-1,3-prop... | 210 | C16H18   | 001520-44-1 | 91   |
| 2    |    | .beta.-Phenylpropiophenone          | 210 | C15H14O  | 001083-30-3 | 38   |
| 3    |    | m-Xylol bromide                     | 184 | C8H9Br   | 000620-13-3 | 35   |
| 4    |    | Benzene, 1,1'-(1,4-butanediyl)bis-  | 210 | C16H18   | 001083-56-3 | 30   |
| 5    |    | Benzaldehyde, 3-ethoxy-4-(4-meth... | 270 | C17H18O3 | 351066-35-8 | 27   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

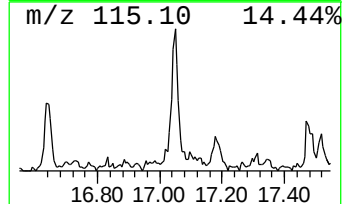
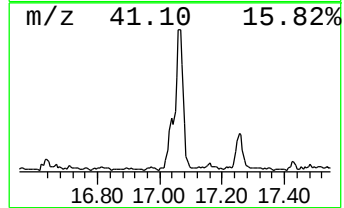
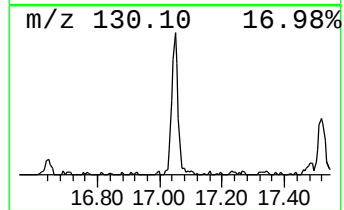
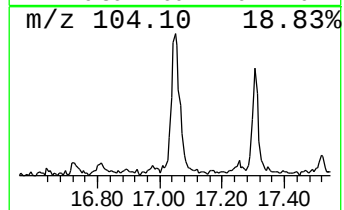
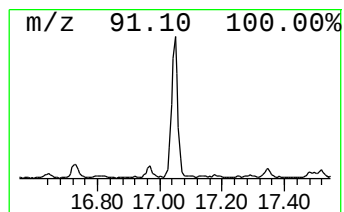
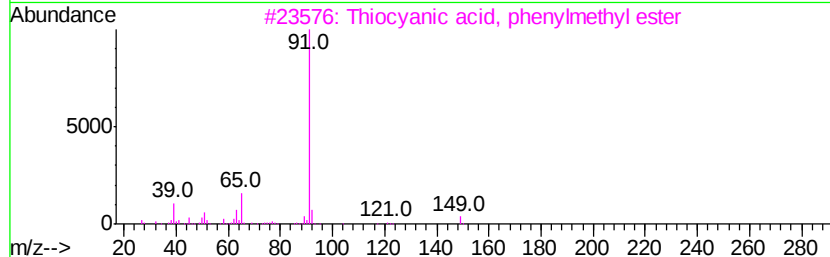
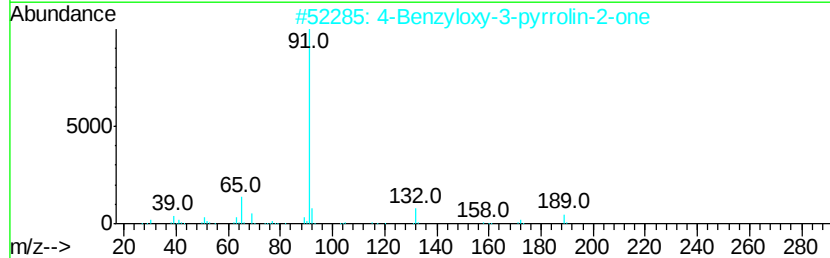
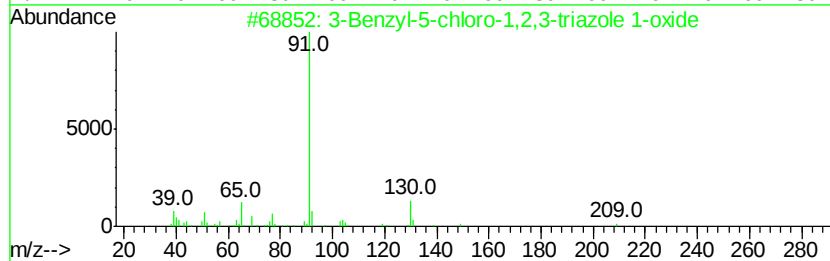
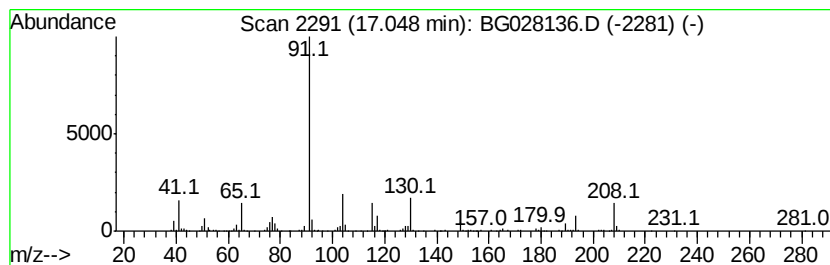
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown-01 Concentration Rank 6

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 17.05 | 14.40 ng/ul | 615290 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 3-Benzyl-5-chloro-1,2,3-triazole... | 209 | C9H8ClN3O | 116932-67-3 | 41   |
| 2    |    | 4-Benzyloxy-3-pyrrolin-2-one        | 189 | C11H11N02 | 113896-95-0 | 25   |
| 3    |    | Thiocyanic acid, phenylmethvl ester | 149 | C8H7NS    | 003012-37-1 | 25   |
| 4    |    | Thiocyanic acid, phenylmethvl ester | 149 | C8H7NS    | 003012-37-1 | 22   |
| 5    |    | N-Benzyl-1H-benzimidazole           | 208 | C14H12N2  | 004981-92-4 | 22   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

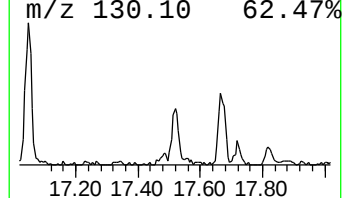
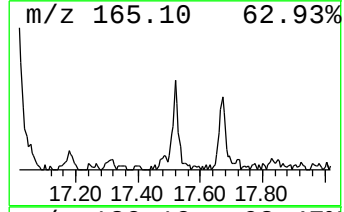
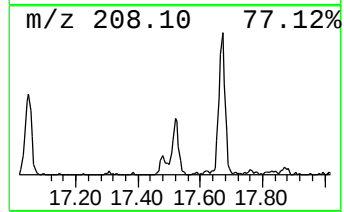
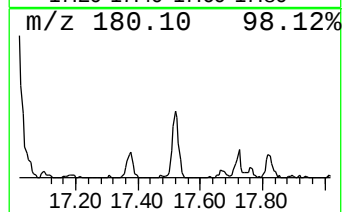
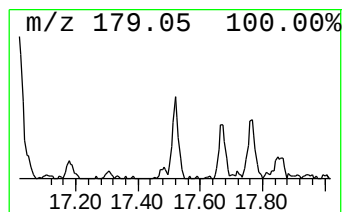
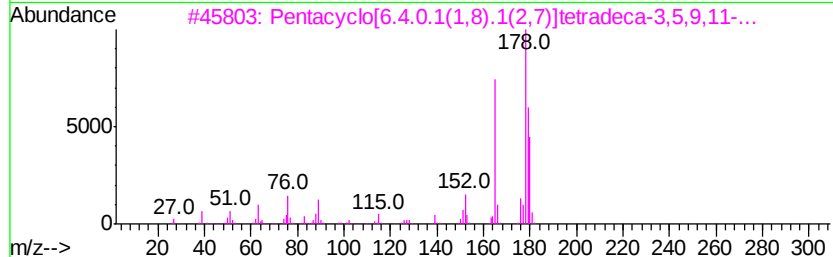
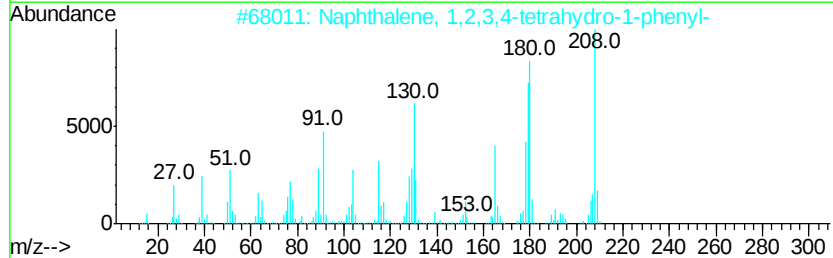
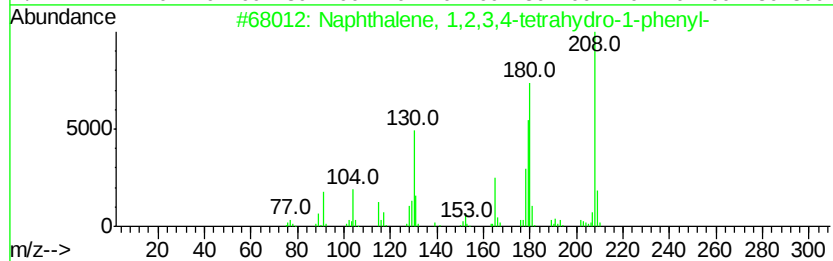
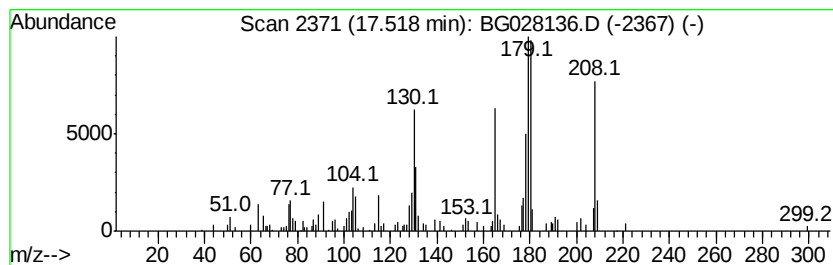
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 22

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.52 | 2.68 ng/ul | 114504 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 208 | C16H16  | 003018-20-0 | 90   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 208 | C16H16  | 003018-20-0 | 90   |
| 3    |    | Pentacyclo[6.4.0.1(1,8).1(2,7)]t... | 180 | C14H12  | 086120-84-5 | 83   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 208 | C16H16  | 003018-20-0 | 70   |
| 5    |    | Dibenzosuberone                     | 208 | C15H12O | 001210-35-1 | 58   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

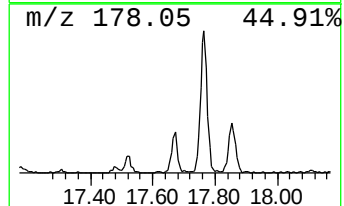
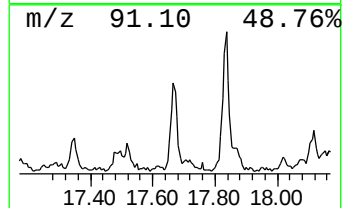
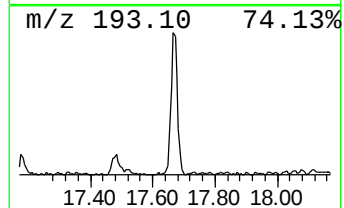
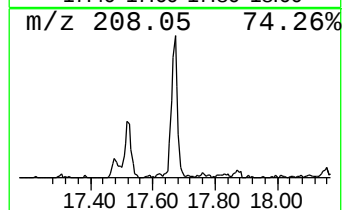
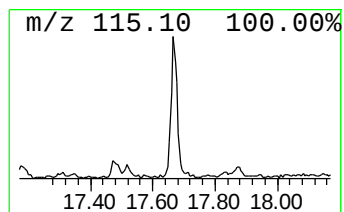
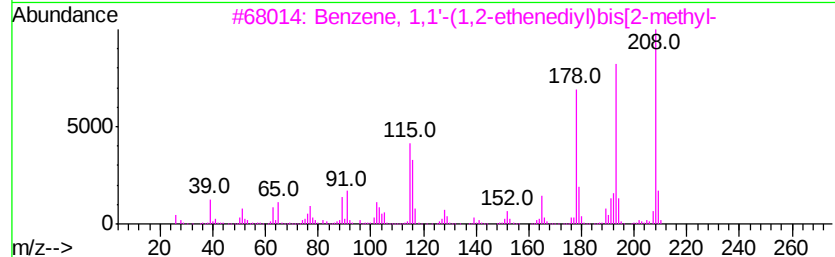
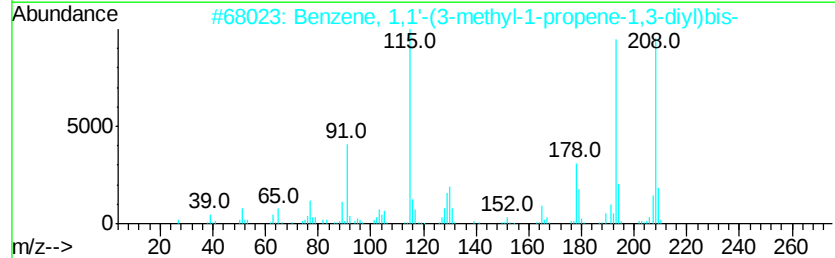
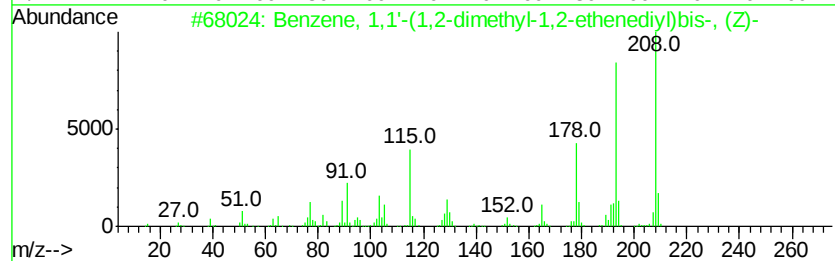
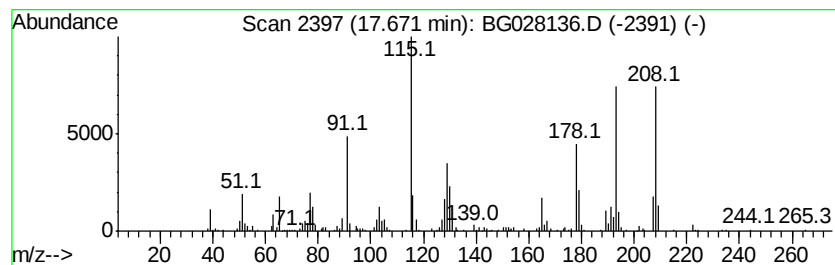
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 1,1'-(1,2-dimethyl... Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.67 | 6.67 ng/ul | 285047 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, 1,1'-(1,2-dimethyl-1,2-... | 208 | C16H16  | 000782-05-8  | 95   |
| 2    |    | Benzene, 1,1'-(3-methyl-1-propen... | 208 | C16H16  | 007614-93-9  | 90   |
| 3    |    | Benzene, 1,1'-(1,2-ethenedivl)bi... | 208 | C16H16  | 010311-74-7  | 86   |
| 4    |    | Benzene, 1,1'-(1,2-dimethyl-1,2-... | 208 | C16H16  | 000782-06-9  | 60   |
| 5    |    | 1-Propene, 2-(2-methylphenyl)-1-... | 208 | C16H16  | 1000138-72-4 | 60   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

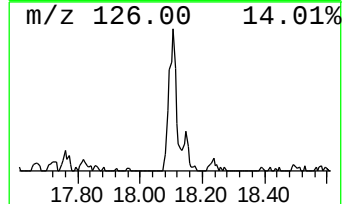
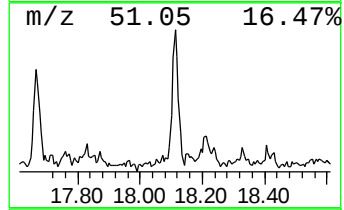
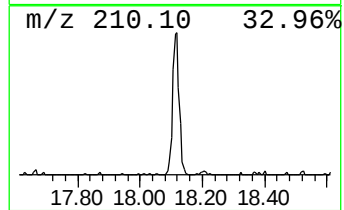
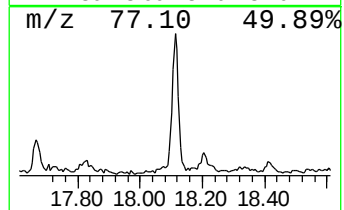
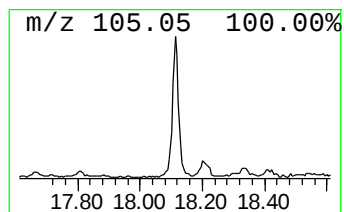
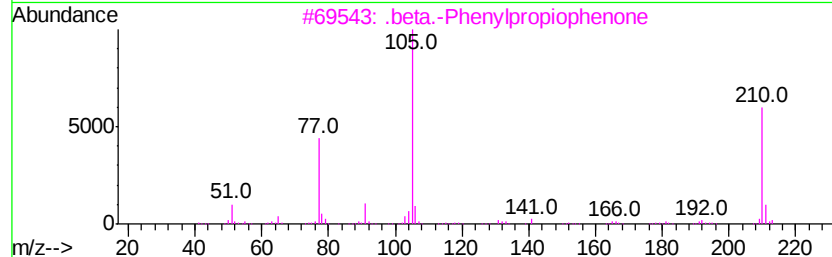
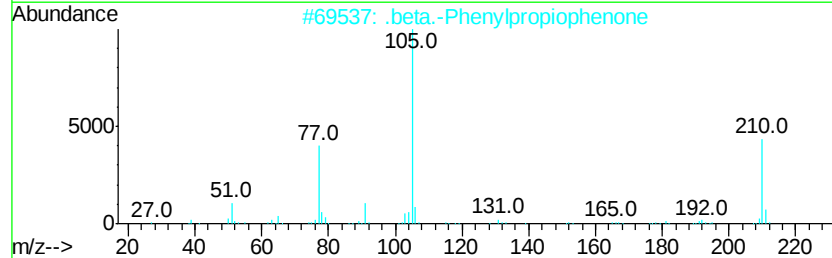
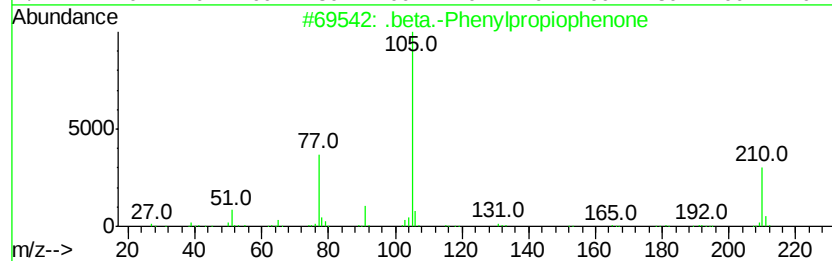
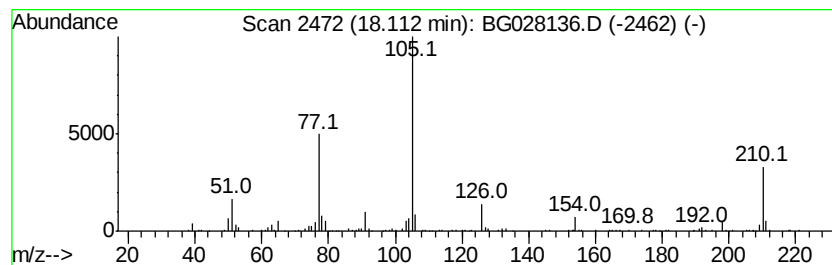
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 .beta.-Phenylpropiofenone Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.11 | 6.84 ng/ul | 292398 | Phenanthrene-d10 | 17.72 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | .beta.-Phenylpropiofenone  | 210 | C15H14O  | 001083-30-3 | 94   |
| 2    |    |   | .beta.-Phenylpropiofenone  | 210 | C15H14O  | 001083-30-3 | 93   |
| 3    |    |   | .beta.-Phenylpropiofenone  | 210 | C15H14O  | 001083-30-3 | 81   |
| 4    |    |   | N-Benzylbenzamide          | 211 | C14H13NO | 001485-70-7 | 53   |
| 5    |    |   | Benzoic acid, phenyl ester | 198 | C13H10O2 | 000093-99-2 | 49   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

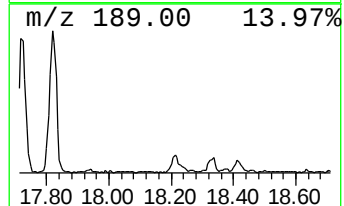
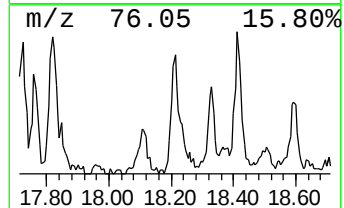
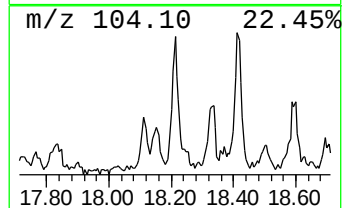
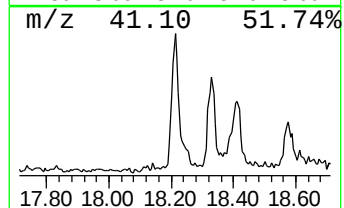
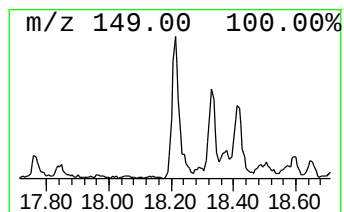
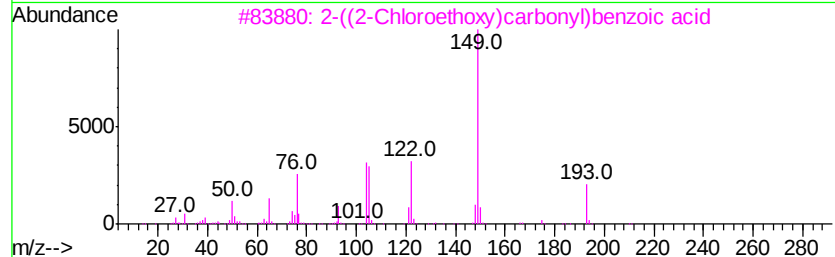
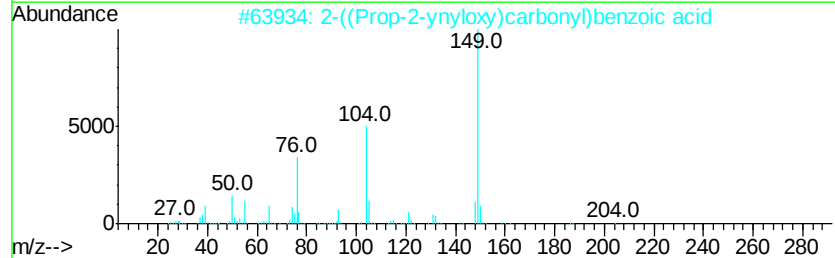
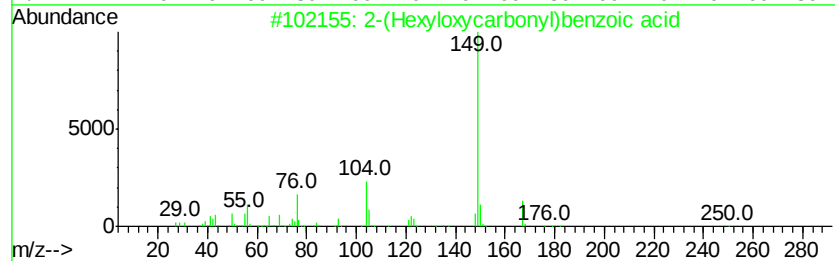
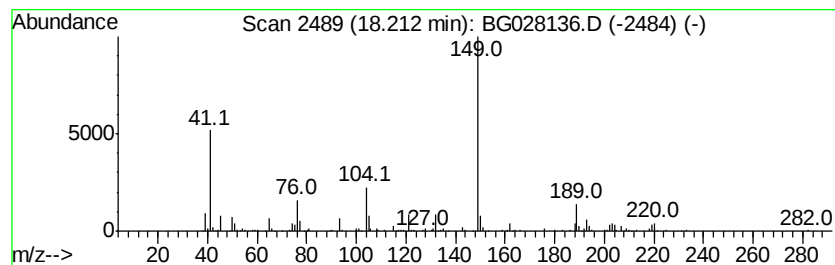
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 2-(Hexyloxyacetyl)benzoic... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.21 | 7.11 ng/ul | 303745 | Phenanthrene-d10 | 17.72 |

| Hit# | of | 5 | Tentative ID                            | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-(Hexyloxyacetyl)benzoic acid          | 250 | C14H18O4  | 1000373-63-0 | 59   |
| 2    |    |   | 2-((Prop-2-ynyl)oxy)acetyl)benzoic acid | 204 | C11H8O4   | 1000373-53-6 | 59   |
| 3    |    |   | 2-((2-Chloroethoxy)acetyl)benzoic acid  | 228 | C10H9ClO4 | 1000373-53-5 | 59   |
| 4    |    |   | 2-((But-3-enyl)oxy)acetyl)benzoic acid  | 220 | C12H12O4  | 1000373-53-4 | 59   |
| 5    |    |   | 2-(Octyloxyacetyl)benzoic acid          | 278 | C16H22O4  | 1000373-53-3 | 53   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

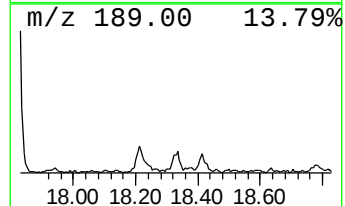
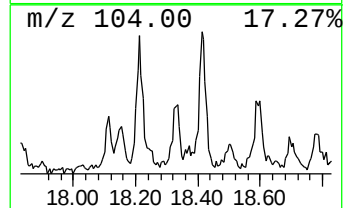
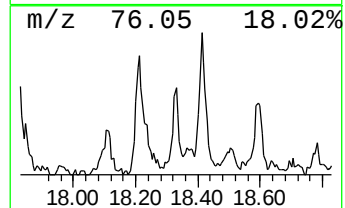
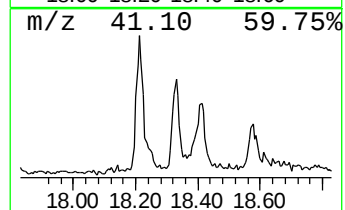
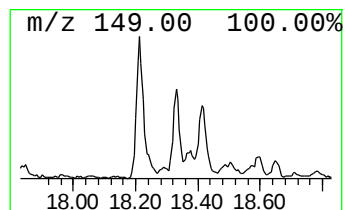
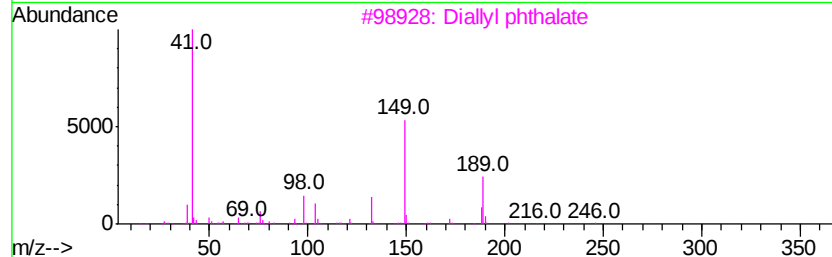
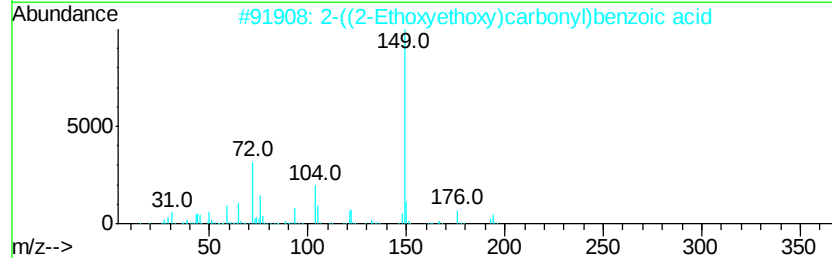
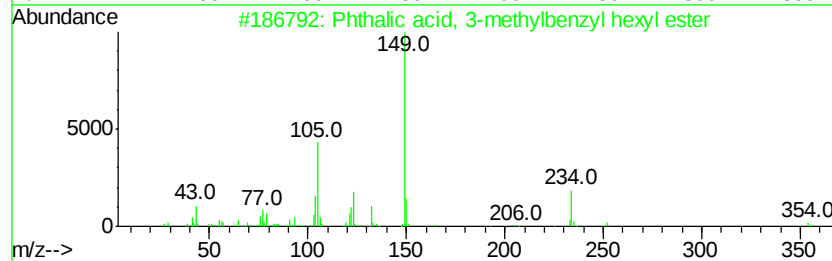
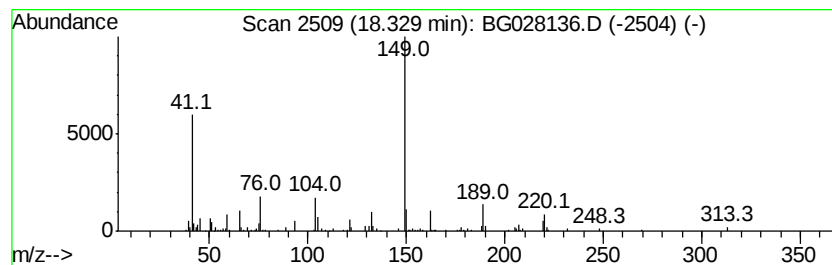
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Phthalic acid, 3-methylbenz... Concentration Rank 27

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 18.33 | 2.01 ng/ul | 86095 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phthalic acid, 3-methylbenzyl he... | 354 | C22H26O4 | 1000371-10-4 | 59   |
| 2    |    | 2-((2-Ethoxyethoxy)carbonyl)benz... | 238 | C12H14O5 | 1000373-82-8 | 53   |
| 3    |    | Diallyl phthalate                   | 246 | C14H14O4 | 000131-17-9  | 53   |
| 4    |    | Diallyl phthalate                   | 246 | C14H14O4 | 000131-17-9  | 53   |
| 5    |    | Phthalic acid, oct-3-yl pentyl e... | 348 | C21H32O4 | 1000377-71-4 | 53   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

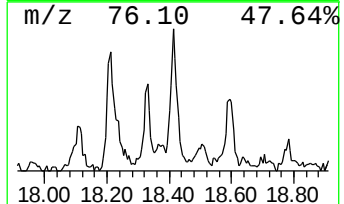
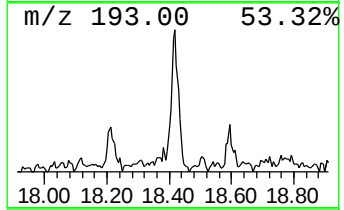
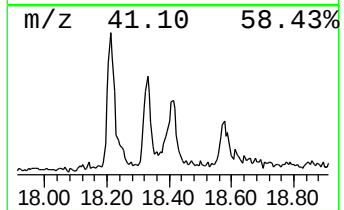
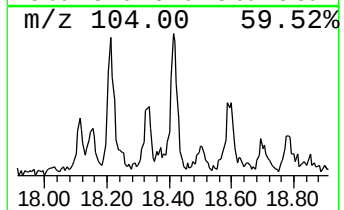
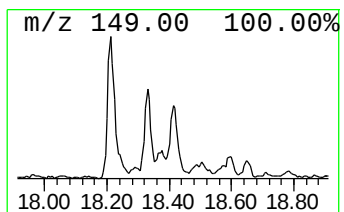
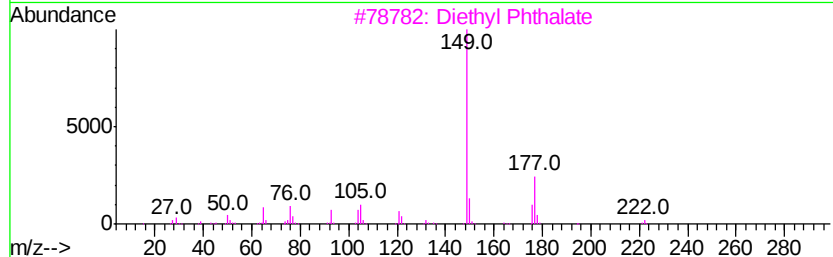
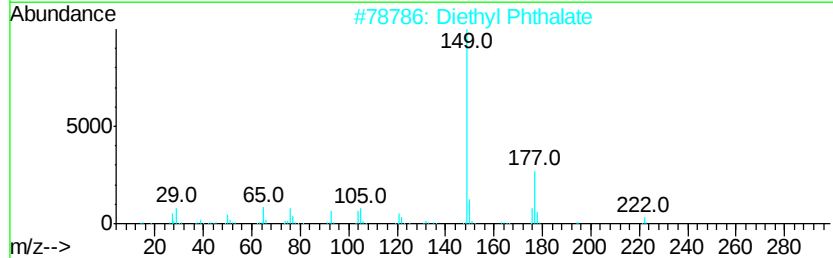
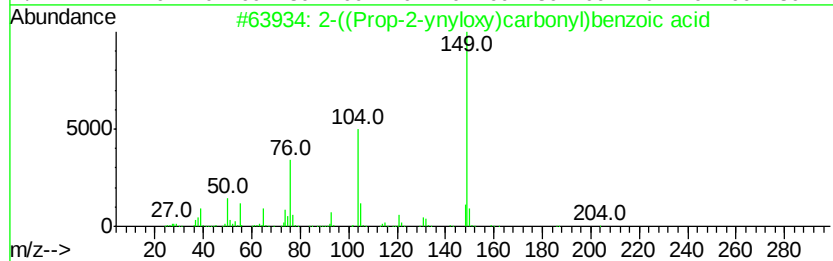
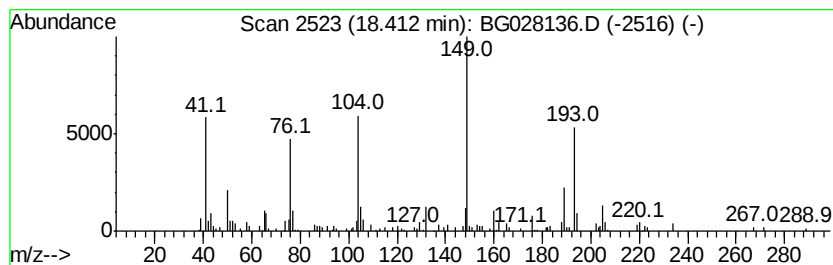
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 unknown-02 Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.41 | 5.11 ng/ul | 218556 | Phenanthrene-d10 | 17.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2-((Prop-2-ynyloxy)carbonyl)benz... | 204 | C11H8O4  | 1000373-53-6 | 47   |
| 2    |    |   | Diethyl Phthalate                   | 222 | C12H14O4 | 000084-66-2  | 22   |
| 3    |    |   | Diethyl Phthalate                   | 222 | C12H14O4 | 000084-66-2  | 22   |
| 4    |    |   | Phthalic acid, butyl 3,3-dimethy... | 306 | C18H26O4 | 1000357-00-2 | 16   |
| 5    |    |   | 1H-S-Triazolo[1,5-a]pyridin-4-iu... | 149 | C7H7N3O  | 013980-64-8  | 14   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

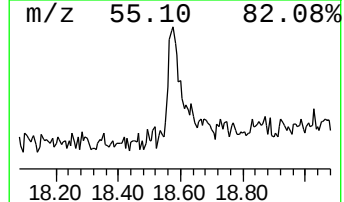
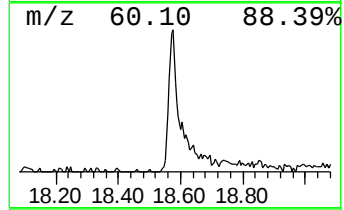
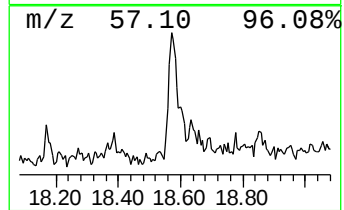
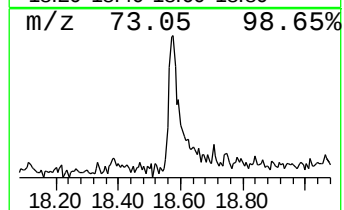
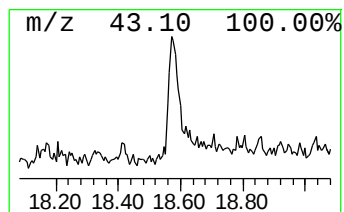
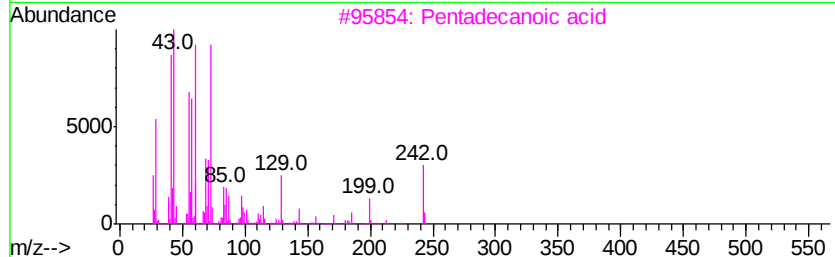
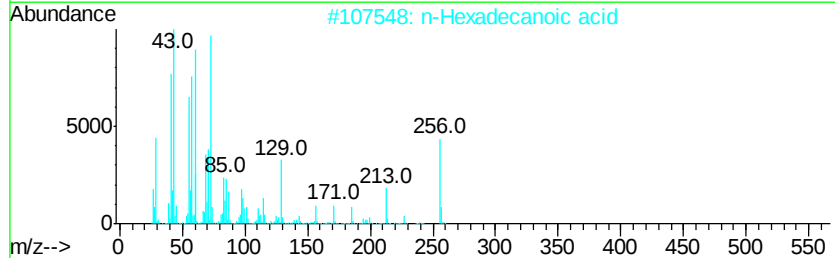
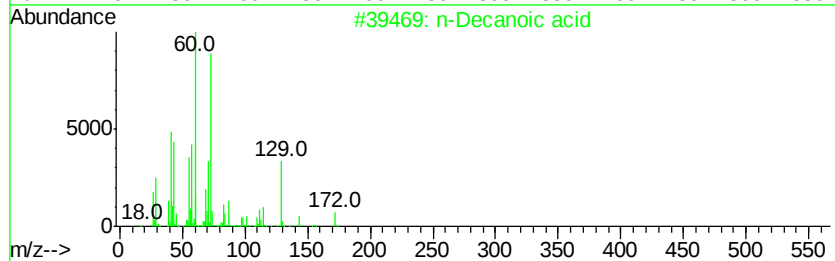
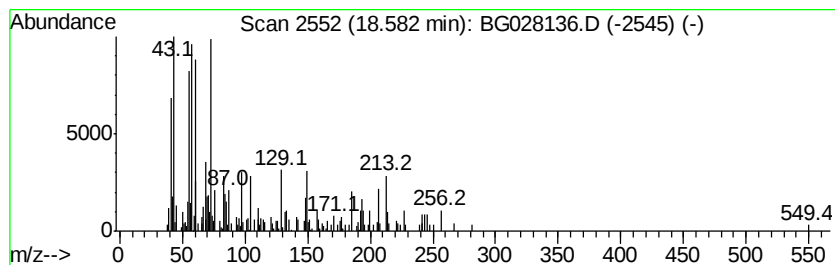
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 n-Decanoic acid Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.58 | 5.89 ng/ul | 251948 | Phenanthrene-d10 | 17.72 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 91   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 58   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 58   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |



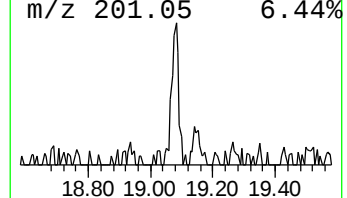
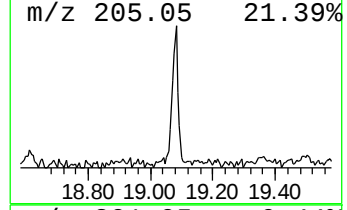
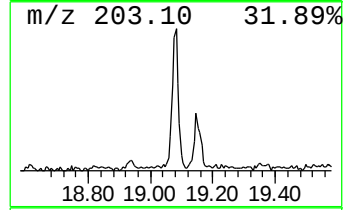
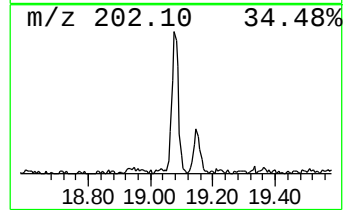
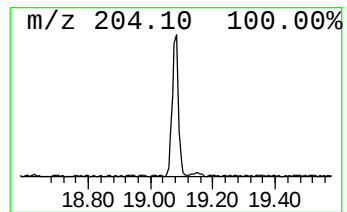
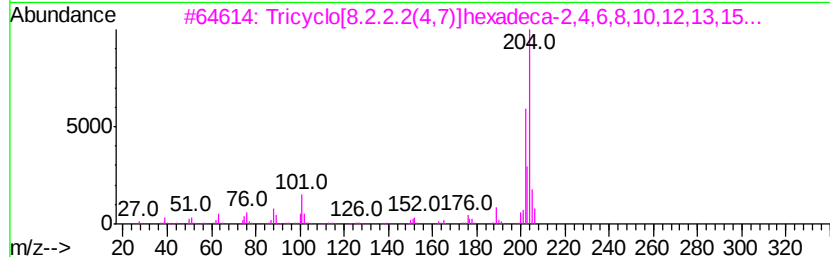
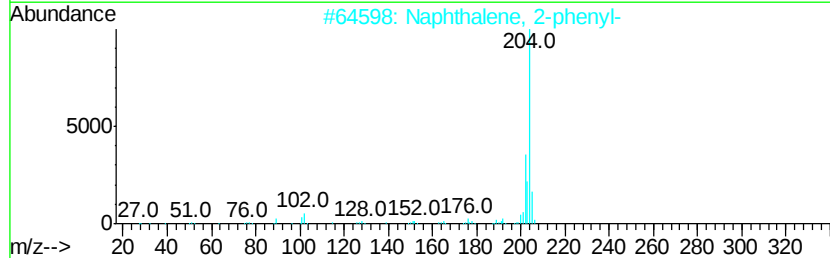
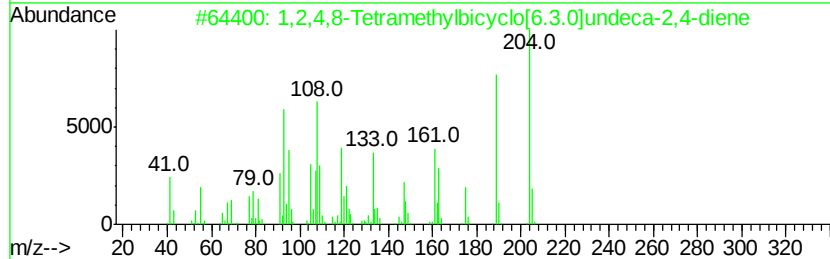
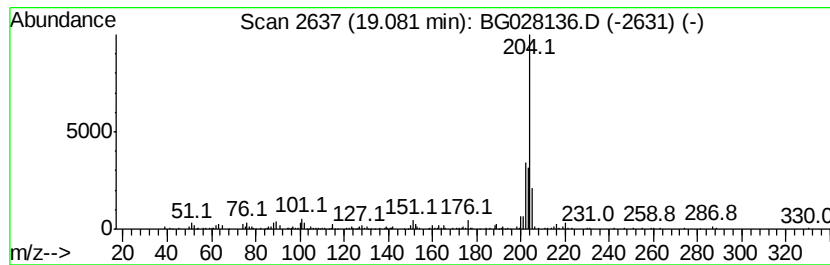
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On    : 3 Aug 2017 11:33  
Operator  : SJ/JU  
Sample    : I4405-07  
Misc      :  
ALS Vial  : 35 Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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TIC Library      : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P
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```
*****
Peak Number 15  1,2,4,8-Tetramethylbicyclo[...  Concentration Rank 17
```

| R.T.    | EstConc                             | Area         | Relative to ISTD |             | R.T.  |      |
|---------|-------------------------------------|--------------|------------------|-------------|-------|------|
| 19.08   | 4.27 ng/ul                          | 182675       | Phenanthrene-d10 |             | 17.72 |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#  | Qual |
| 1       | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204          | C15H24           | 137235-51-9 | 92    |      |
| 2       | Naphthalene, 2-phenyl-              | 204          | C16H12           | 000612-94-2 | 81    |      |
| 3       | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204          | C16H12           | 006572-60-7 | 81    |      |
| 4       | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408          | C32H24           | 005672-97-9 | 80    |      |
| 5       | Naphthalene, 2-phenyl-              | 204          | C16H12           | 000612-94-2 | 76    |      |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

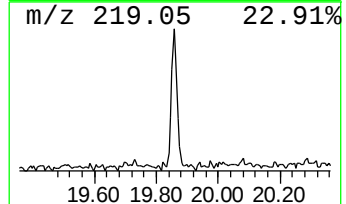
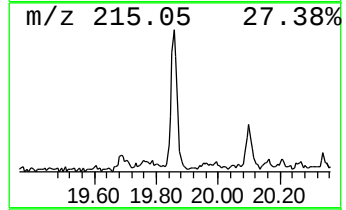
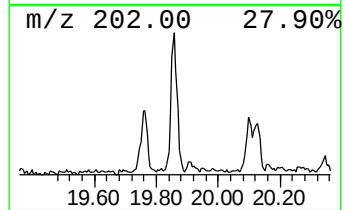
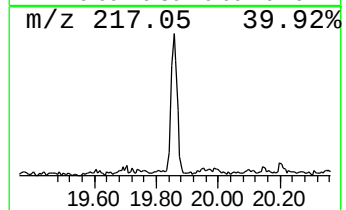
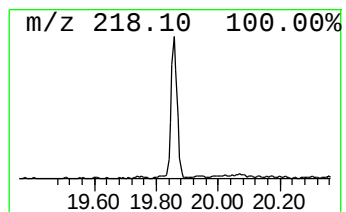
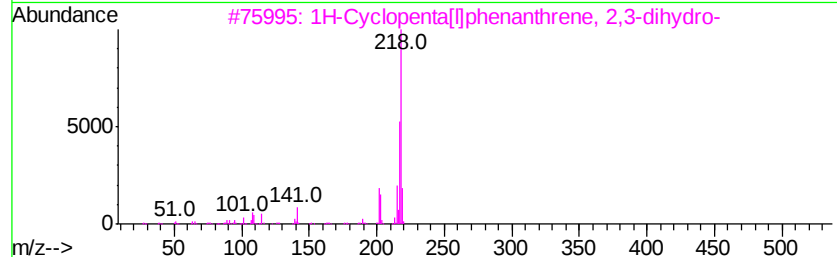
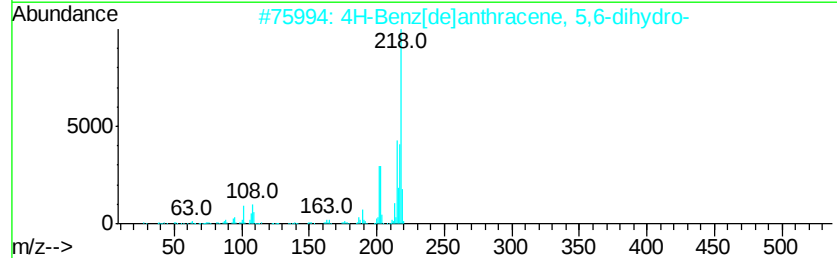
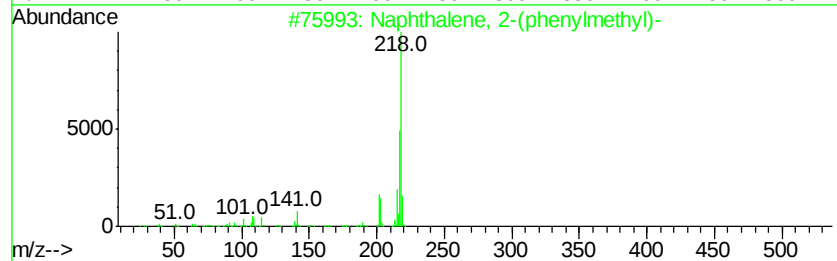
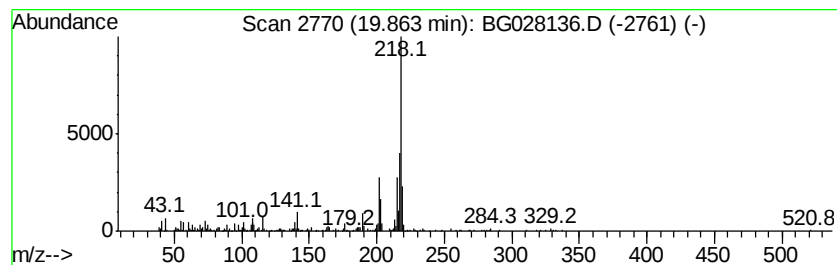
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Naphthalene, 2-(phenylmethyl)- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.86 | 9.64 ng/ul | 412107 | Phenanthrene-d10 | 17.72 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|--------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Naphthalene, 2-(phenylmethyl)-       | 218 | C17H14     | 000613-59-2  | 83   |
| 2    |    | 4H-Benz[de]anthracene, 5,6-dihydro-  | 218 | C17H14     | 004389-09-7  | 76   |
| 3    |    | 1H-Cyclopenta[fl]phenanthrene, 2,... | 218 | C17H14     | 000723-98-8  | 70   |
| 4    |    | 6-Methyl-8-phenylbenzocyclohepte...  | 246 | C18H14O    | 1000211-20-7 | 56   |
| 5    |    | 8-Amino-2,6-dimethoxylepidine        | 218 | C12H14N2O2 | 074509-65-2  | 53   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

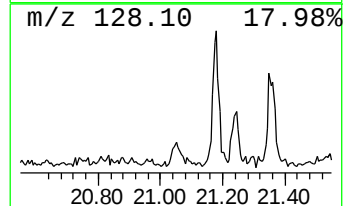
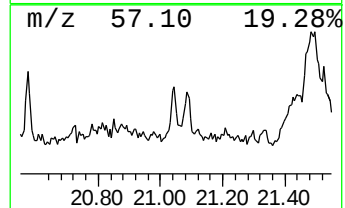
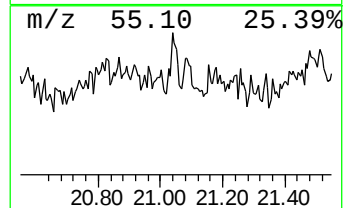
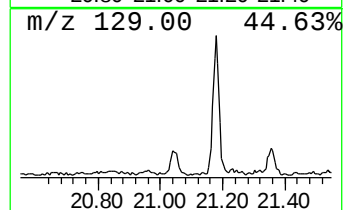
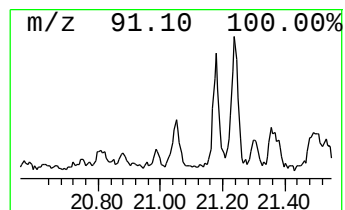
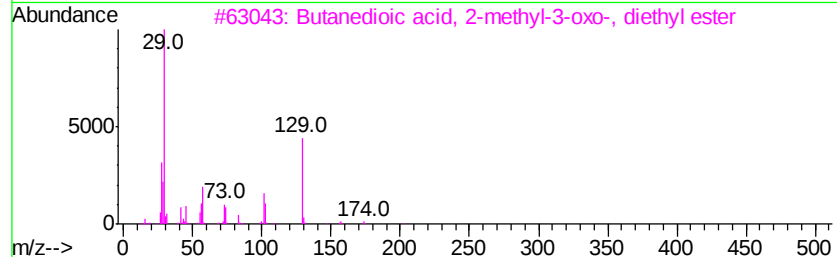
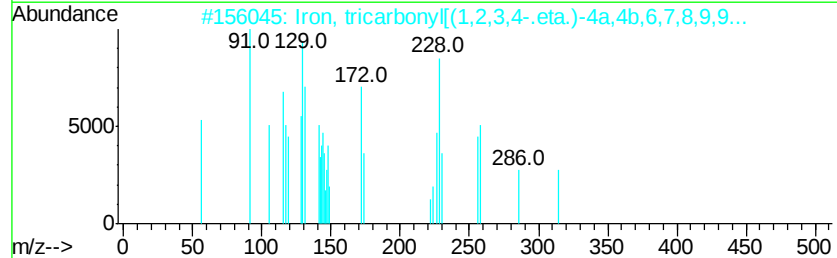
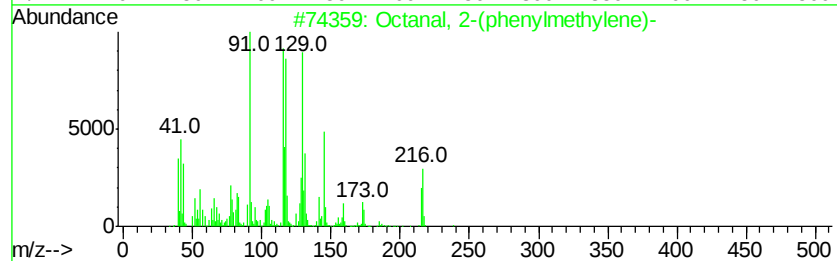
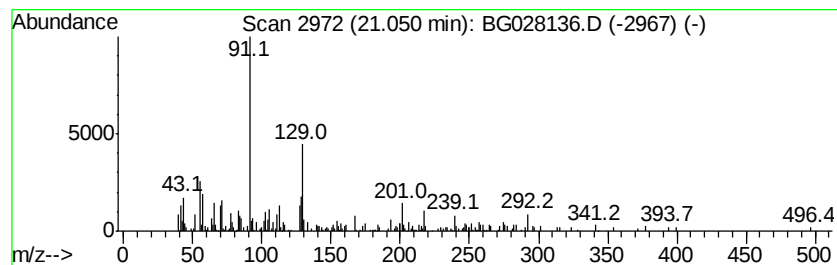
Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 unknown-03 Concentration Rank 26

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.           |
|---------|------------|--------------------------------------|------------------|----------------|
| 21.05   | 2.16 ng/ul | 108671                               | Chrysene-d12     | 22.05          |
| Hit# of | 5          | Tentative ID                         | MW MolForm       | CAS# Qual      |
| 1       |            | Octanal, 2-(phenylmethylene)-        | 216 C15H20O      | 000101-86-0 38 |
| 2       |            | Iron, tricarbonyl[(1,2,3,4-.eta....  | 314 C16H18FeO3   | 056784-34-0 35 |
| 3       |            | Butanedioic acid, 2-methyl-3-oxo...  | 202 C9H14O5      | 000759-65-9 17 |
| 4       |            | 1-Methoxy-5-phenyl-1-trimethylsil... | 248 C15H24OSi    | 1000196-36-6 9 |
| 5       |            | 5,9-Methanobenzocycloocten-11-on...  | 307 C19H17NO3    | 101401-33-6 9  |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

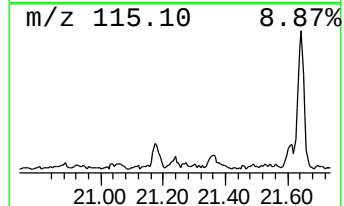
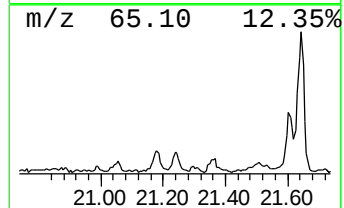
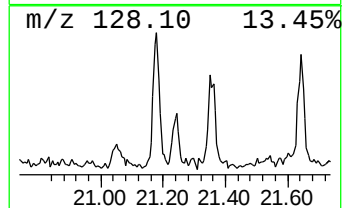
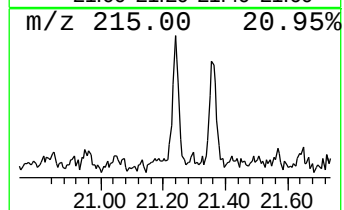
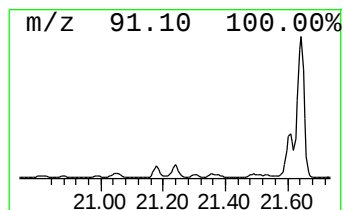
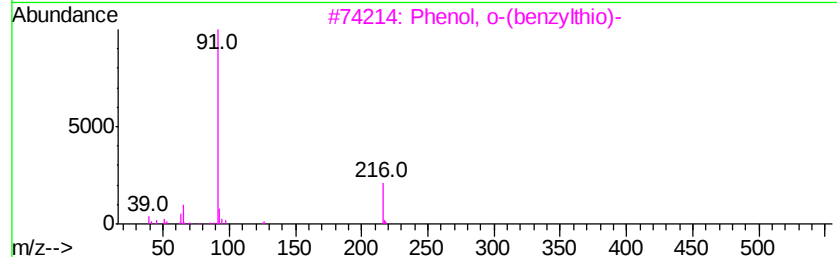
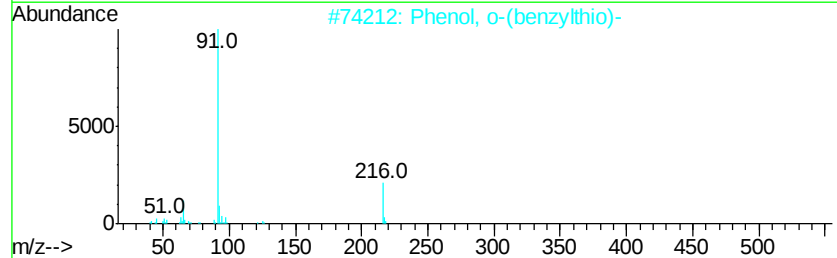
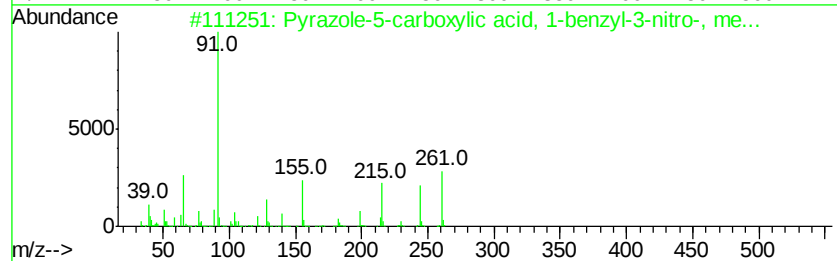
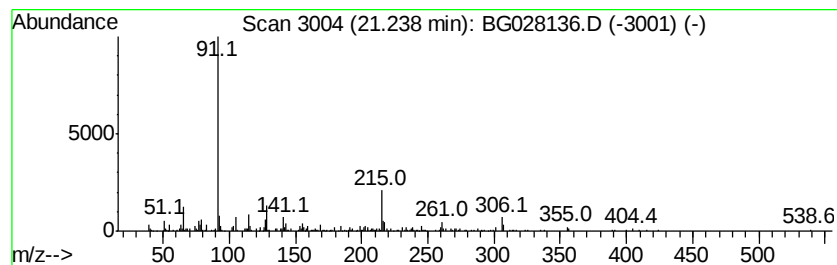
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 unknown-04 Concentration Rank 21

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.24 | 2.85 ng/ul | 143696 | Chrysene-d12     | 22.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pyrazole-5-carboxylic acid, 1-be... | 261 | C12H11N3O4 | 1000271-76-6 | 36   |
| 2    |    | Phenol, o-(benzylthio)-             | 216 | C13H12OS   | 024312-63-8  | 14   |
| 3    |    | Phenol, o-(benzylthio)-             | 216 | C13H12OS   | 024312-63-8  | 14   |
| 4    |    | Bibenzyl, 3-chloro-                 | 216 | C14H13Cl   | 034176-92-6  | 14   |
| 5    |    | N .epsilon.-Carbobenzyloxy-L-lysine | 280 | C14H20N2O4 | 001155-64-2  | 12   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

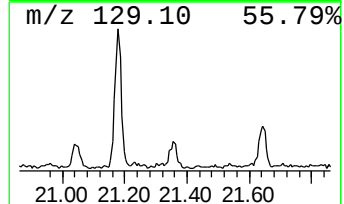
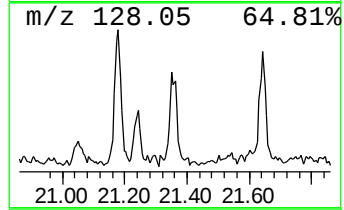
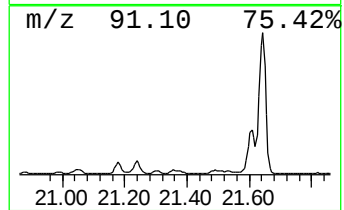
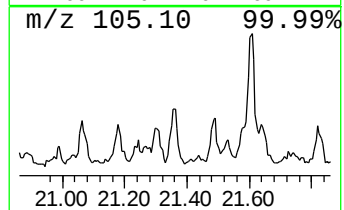
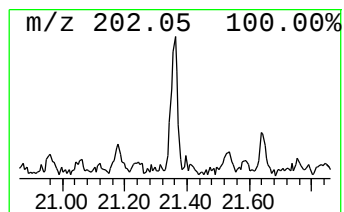
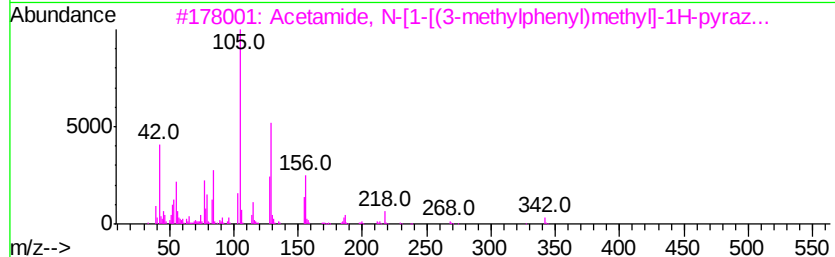
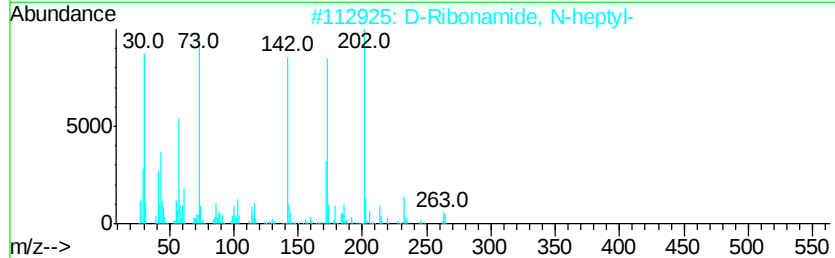
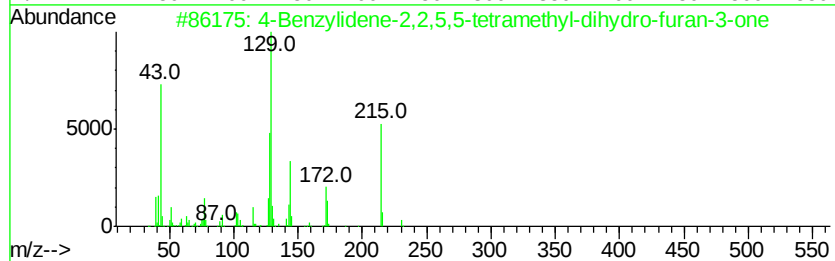
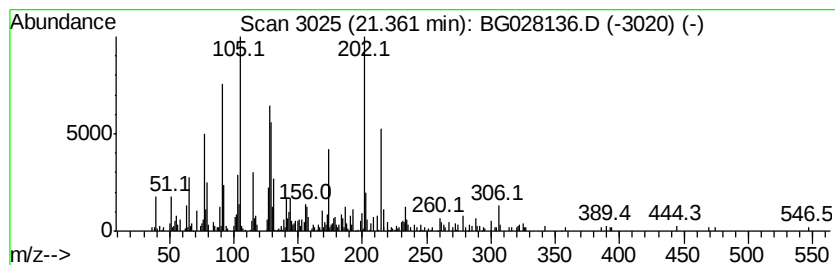
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown-05 Concentration Rank 18

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.36 | 3.78 ng/ul | 190319 | Chrysene-d12     | 22.05 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4-Benzylidene-2,2,5,5-tetramethy... | 230 | C15H18O2   | 1000301-02-8 | 27   |
| 2    |    |   | D-Ribonamide, N-heptyl-             | 263 | C12H25NO5  | 1000158-56-2 | 20   |
| 3    |    |   | Acetamide, N-[1-[(3-methylphenyl... | 342 | C16H18N6OS | 1000319-53-9 | 18   |
| 4    |    |   | Benzene, 1,1'-(1,3-butadiene-1,4... | 202 | C16H10     | 000886-66-8  | 18   |
| 5    |    |   | 1,2,3,6-Tetrahydro-oxypyridine, ... | 203 | C13H17NO   | 095969-41-8  | 15   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

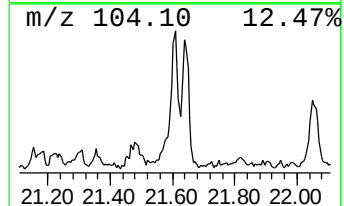
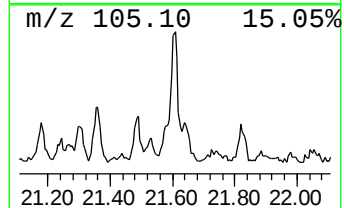
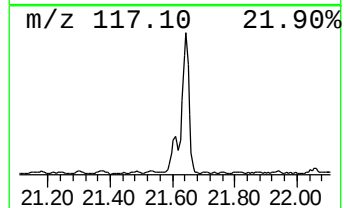
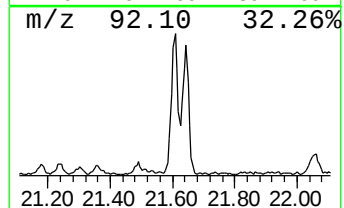
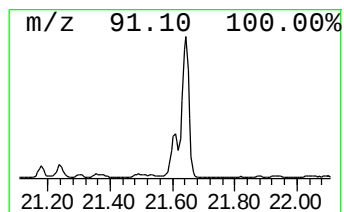
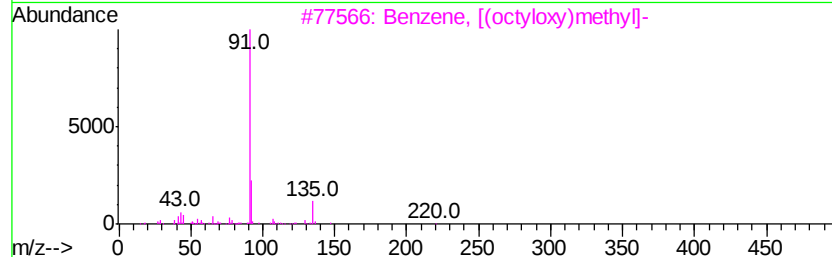
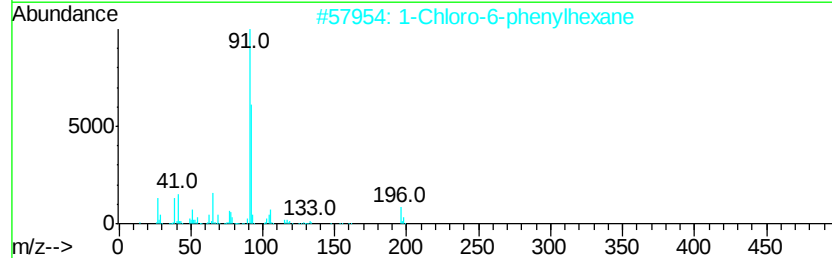
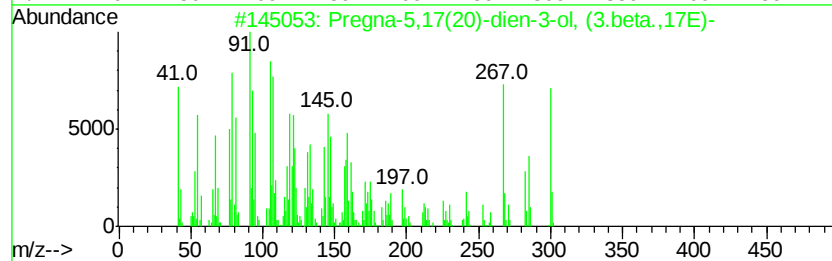
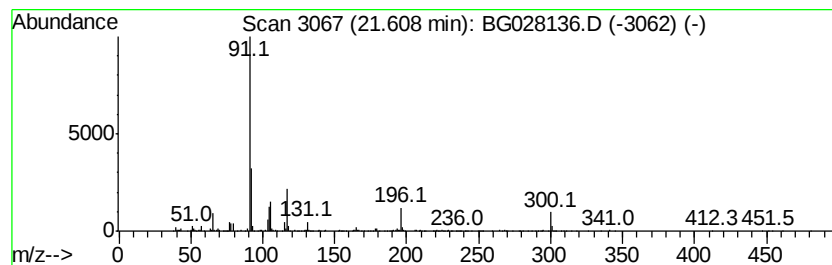
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 Pregna-5,17(20)-dien-3-ol, ... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.61 | 8.12 ng/ul | 408817 | Chrysene-d12     | 22.05 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Pregna-5,17(20)-dien-3-ol, (3.be... | 300 | C21H32O   | 001159-25-7 | 59   |
| 2    |    |   | 1-Chloro-6-phenylhexane             | 196 | C12H17Cl  | 071434-68-9 | 25   |
| 3    |    |   | Benzene, [(octyloxy)methyl]-        | 220 | C15H24O   | 054852-64-1 | 22   |
| 4    |    |   | Androstan-17-one, 3-ethyl-3-hydr... | 318 | C21H34O2  | 057344-99-7 | 22   |
| 5    |    |   | (3-Bromo-1-methylpropoxymethyl)b... | 242 | C11H15BrO | 051666-29-6 | 22   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

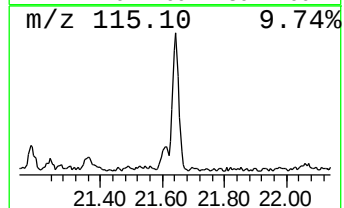
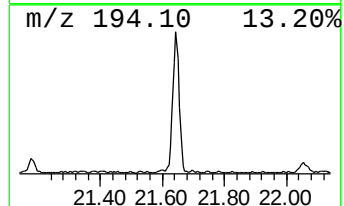
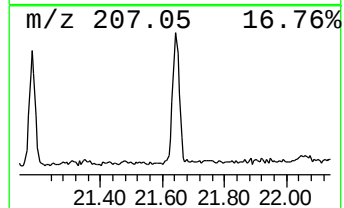
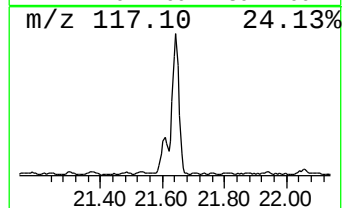
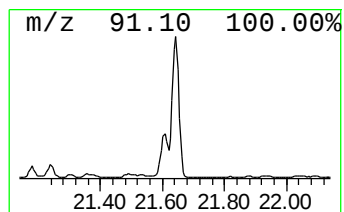
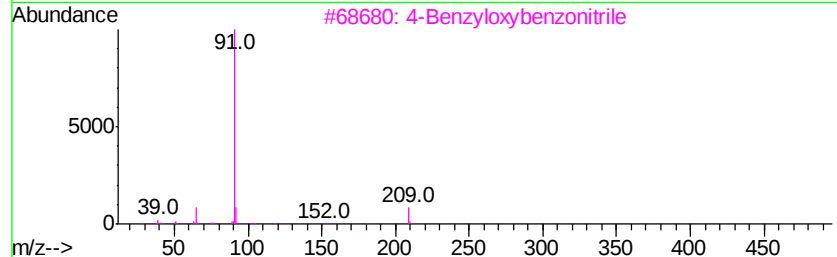
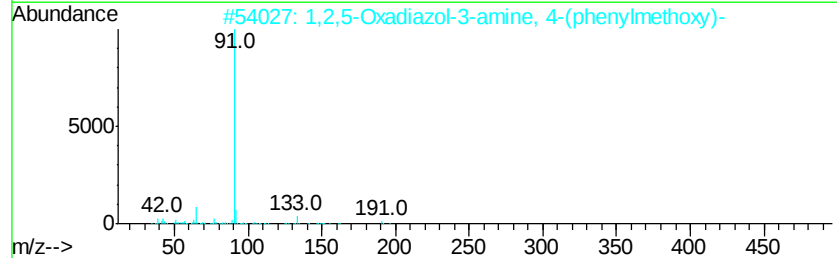
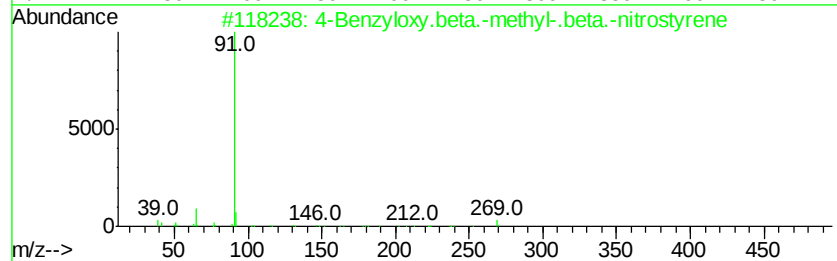
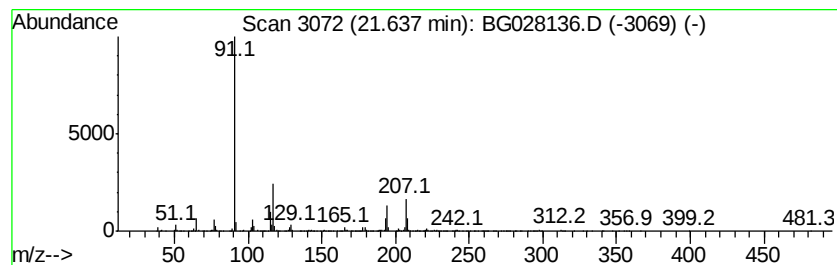
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 22 unknown-06 Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 21.64 | 26.44 ng/ul | 1331000 | Chrysene-d12     | 22.05 |

| Hit# | of | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|--------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 4-Benzyl-oxv.beta.-methvl-.beta.-... | 269 | C16H15N03   | 007176-38-7  | 10   |
| 2    |    | 1,2,5-Oxadiazol-3-amine, 4-(phen...  | 191 | C9H9N3O2    | 1000337-58-8 | 10   |
| 3    |    | 4-Benzyl-oxvbenzonitrile             | 209 | C14H11N0    | 052805-36-4  | 10   |
| 4    |    | 2,3-Butanediol, 1,4-bis[(benzyl-...  | 388 | C20H24N2O6  | 1000163-34-1 | 10   |
| 5    |    | Alpha-phenyl-alpha-trotylacetal...   | 378 | C22H22N2O2S | 022532-16-7  | 10   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

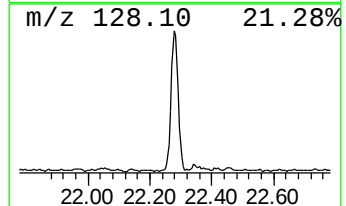
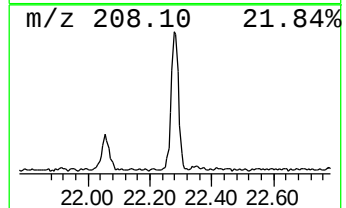
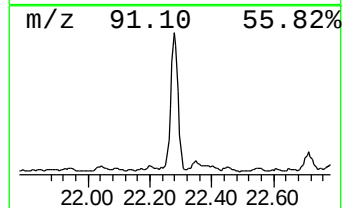
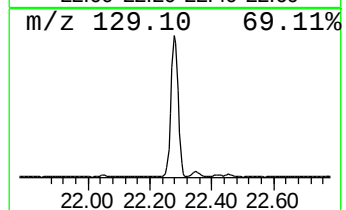
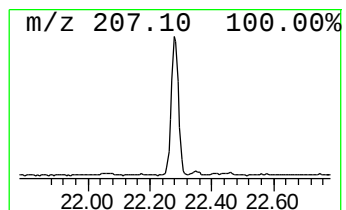
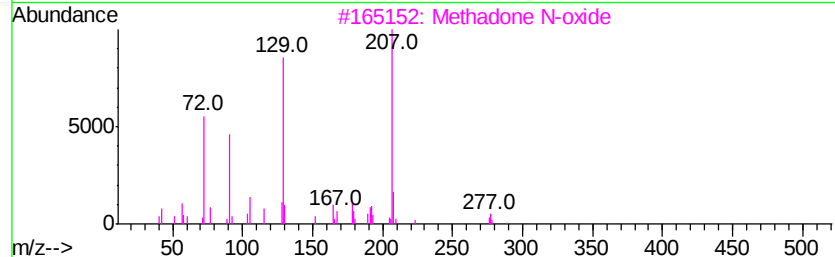
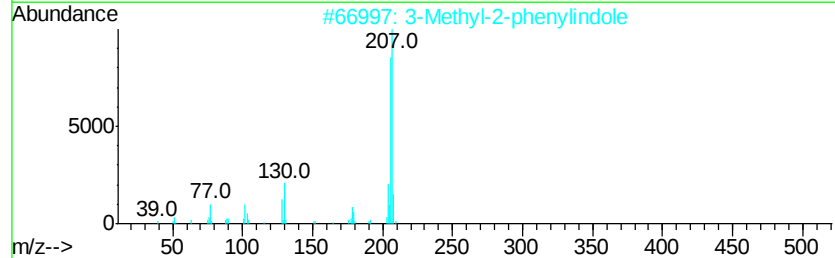
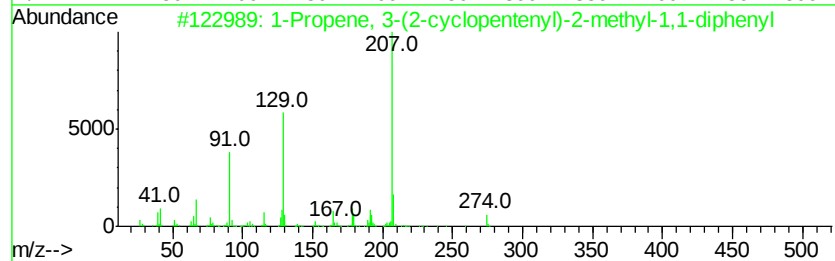
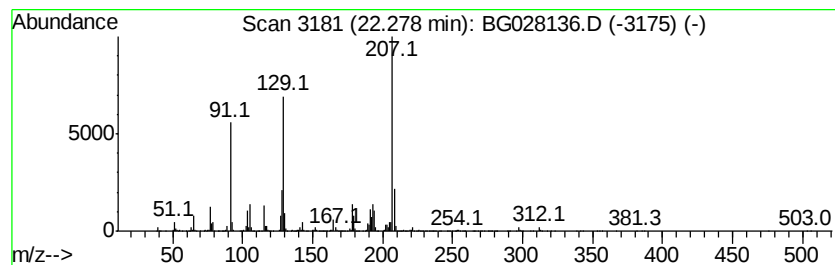
Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 23 1-Propene, 3-(2-cyclopenten... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 22.28   | 33.62 ng/ul                         | 1692720      | Chrysene-d12     | 22.05           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Propene, 3-(2-cyclopentenyl)-2... | 274          | C21H22           | 1000154-23-3 83 |
| 2       | 3-Methyl-2-phenylindole             | 207          | C15H13N          | 010257-92-8 46  |
| 3       | Methadone N-oxide                   | 325          | C21H27NO2        | 1000120-80-7 43 |
| 4       | 9,10-Methanoanthracen-11-ol, 9,1... | 250          | C18H18O          | 126615-74-5 38  |
| 5       | Hexahydropyridine, 1-methyl-4-[4... | 207          | C12H17NO2        | 094427-47-1 38  |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

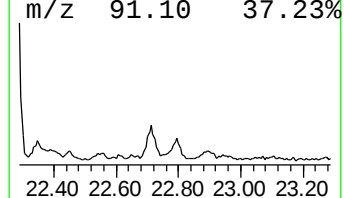
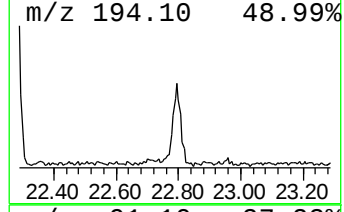
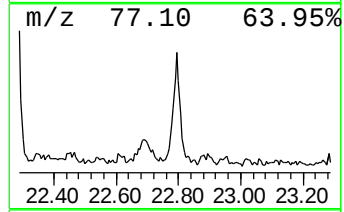
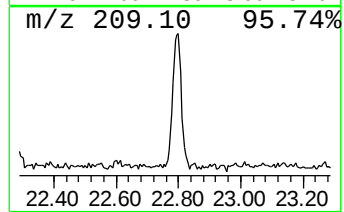
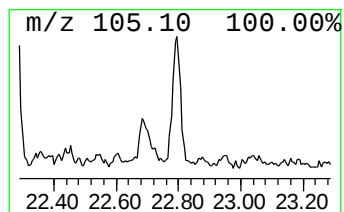
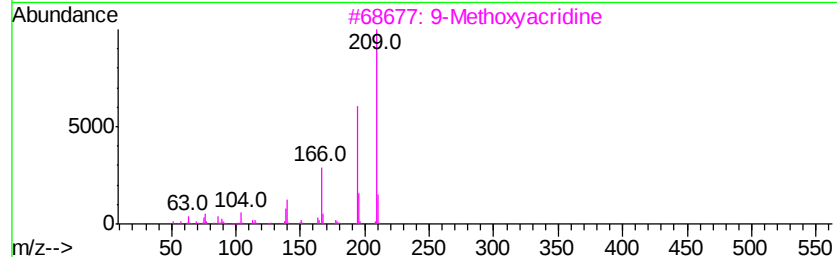
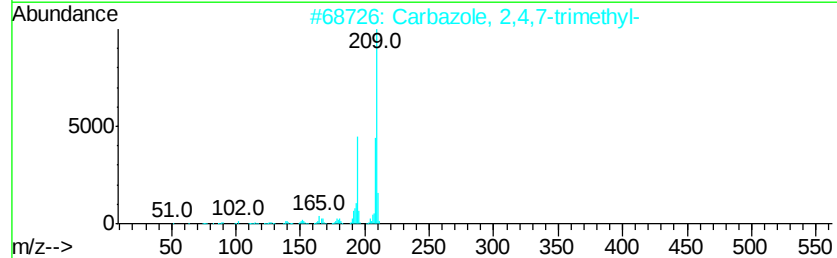
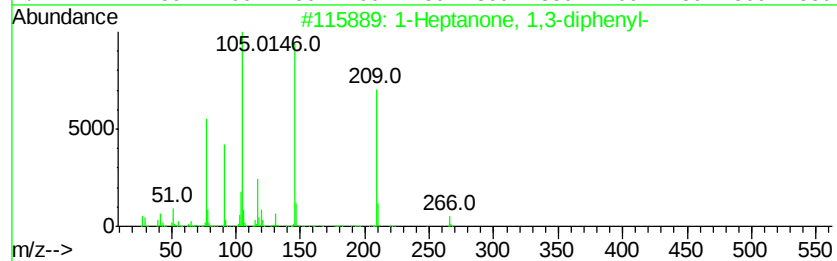
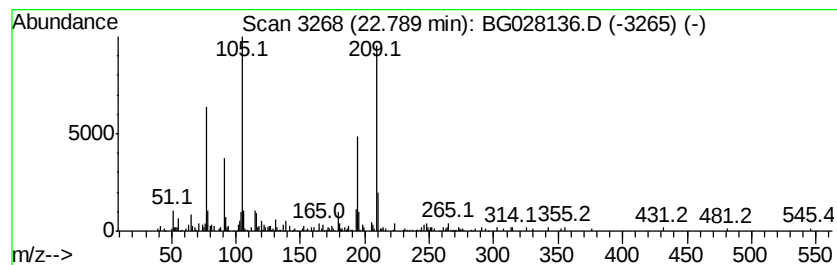
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 24 1-Heptanone, 1,3-diphenyl- Concentration Rank 19

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.79 | 3.72 ng/ul | 187080 | Chrysene-d12     | 22.05 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Heptanone, 1,3-diphenyl-       | 266 | C19H22O  | 001454-57-5 | 53   |
| 2    |    |   | Carbazole, 2,4,7-trimethyl-      | 209 | C15H15N  | 078787-89-0 | 53   |
| 3    |    |   | 9-Methoxvacridine                | 209 | C14H11NO | 010228-90-7 | 43   |
| 4    |    |   | Carbazole, 1,3,4-trimethyl-      | 209 | C15H15N  | 078787-82-3 | 43   |
| 5    |    |   | 1,3,5-Triphenyl-1,5-pentanedione | 328 | C23H20O2 | 006263-84-9 | 43   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

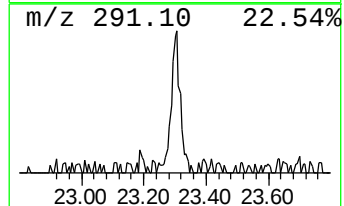
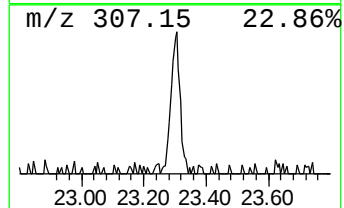
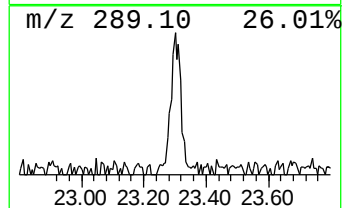
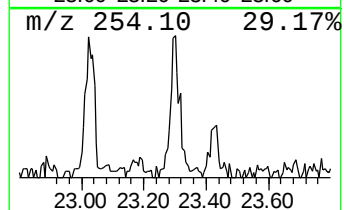
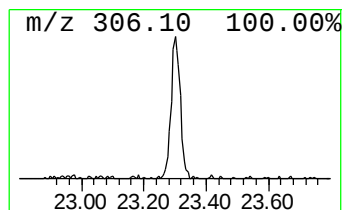
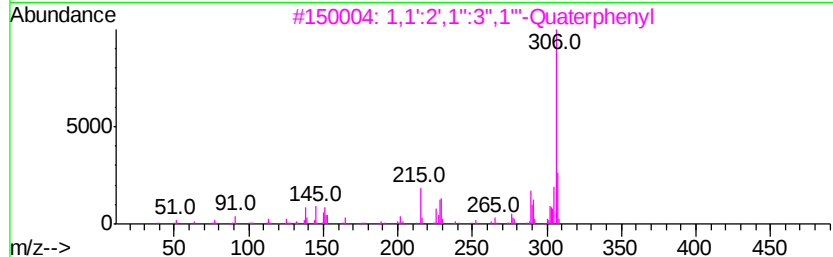
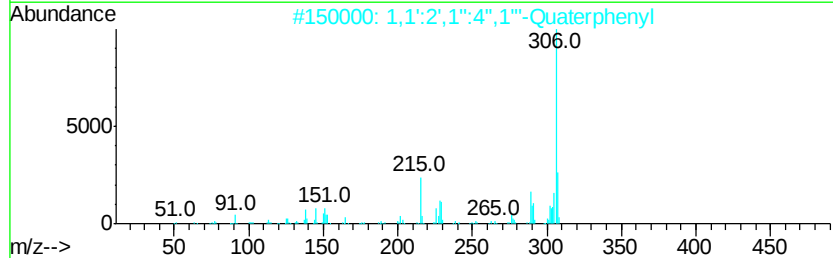
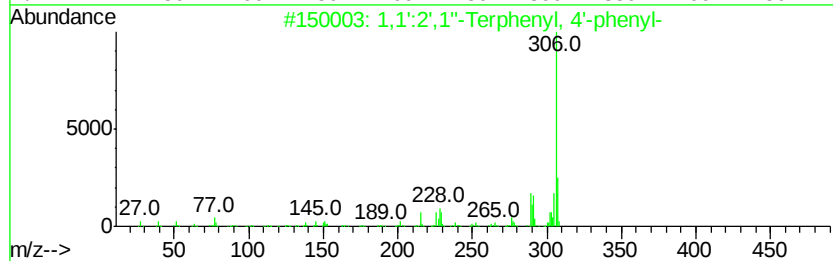
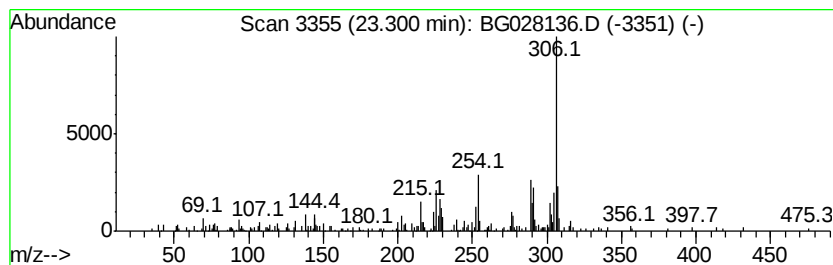
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 1,1':2',1''-Terphenyl, 4'-p... Concentration Rank 20

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.30 | 3.24 ng/ul | 163012 | Chrysene-d12     | 22.05 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1':2',1''-Terphenyl, 4'-phenyl-   | 306 | C24H18       | 001165-53-3 | 97      |      |      |
| 2    | 1,1':2',1''':4'',1''''-Quaterphenyl | 306 | C24H18       | 001165-58-8 | 93      |      |      |
| 3    | 1,1':2',1''':3'',1''''-Quaterphenyl | 306 | C24H18       | 001165-57-7 | 90      |      |      |
| 4    | 1,1':2',1''':2'',1''''-Quaterphenyl | 306 | C24H18       | 000641-96-3 | 86      |      |      |
| 5    | 1,1':3',1''-Terphenyl, 5'-phenyl-   | 306 | C24H18       | 000612-71-5 | 86      |      |      |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

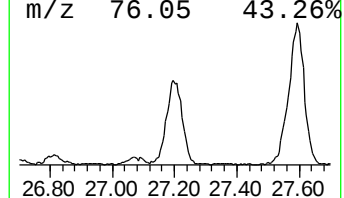
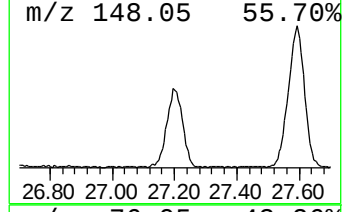
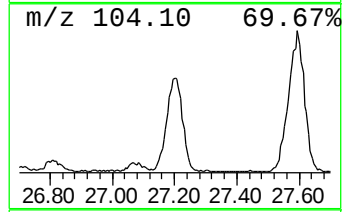
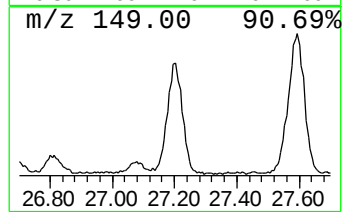
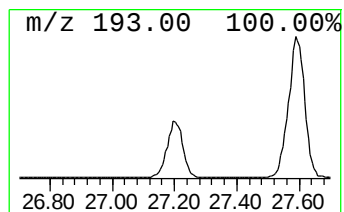
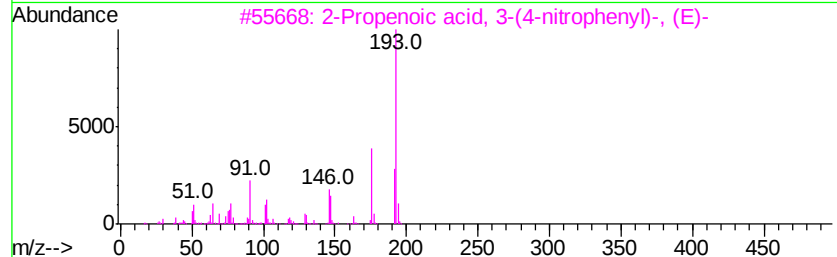
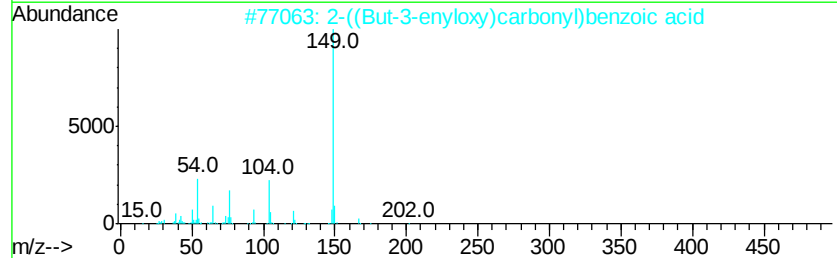
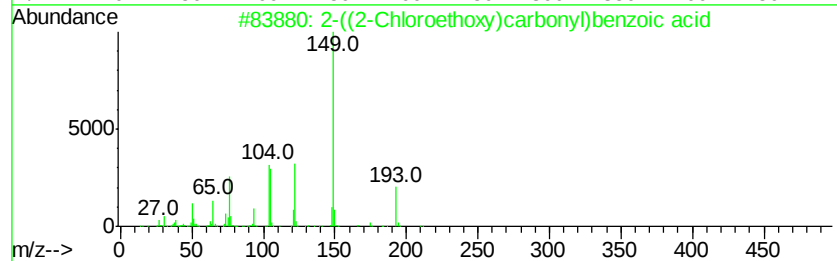
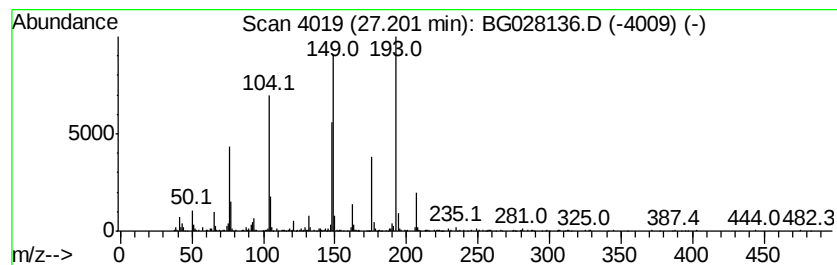
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 26 unknown-07 Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 27.20 | 15.18 ng/ul | 1130270 | Perylene-d12     | 25.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 2-((2-Chloroethoxy)carbonyl)benz... | 228 | C10H9ClO4 | 1000373-53-5 | 38   |
| 2    |    | 2-((But-3-enyloxy)carbonyl)benzo... | 220 | C12H12O4  | 1000373-53-4 | 35   |
| 3    |    | 2-Propenoic acid, 3-(4-nitrophen... | 193 | C9H7NO4   | 000882-06-4  | 25   |
| 4    |    | 2-((Prop-2-ynyloxy)carbonyl)benz... | 204 | C11H8O4   | 1000373-53-6 | 25   |
| 5    |    | Cyclohexanol, 4-phenyl-             | 176 | C12H16O   | 005437-46-7  | 25   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\  
Data File : BG028136.D  
Acq On : 3 Aug 2017 11:33  
Operator : SJ/JU  
Sample : I4405-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JJ2X4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

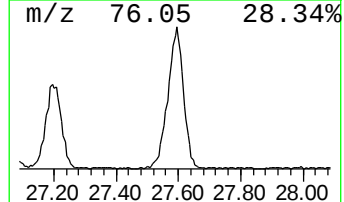
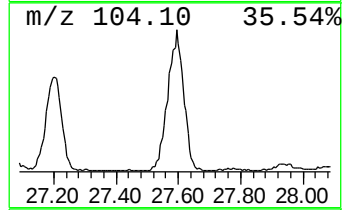
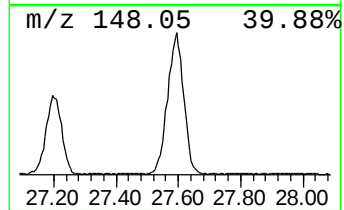
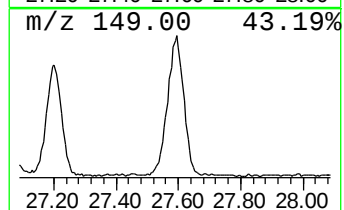
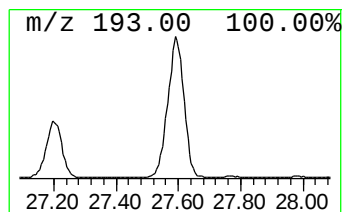
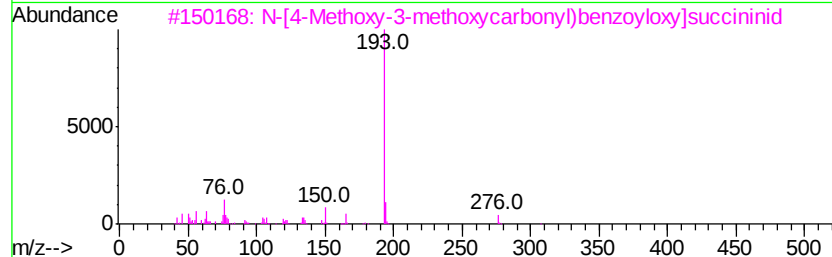
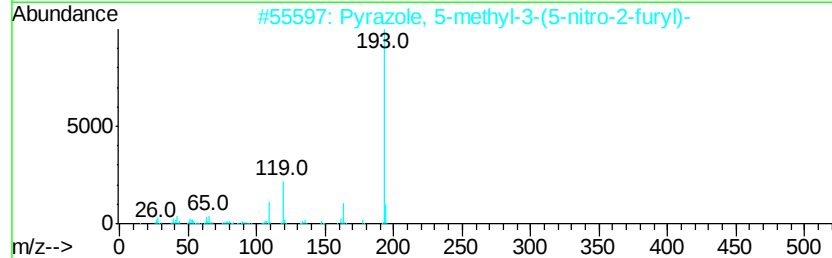
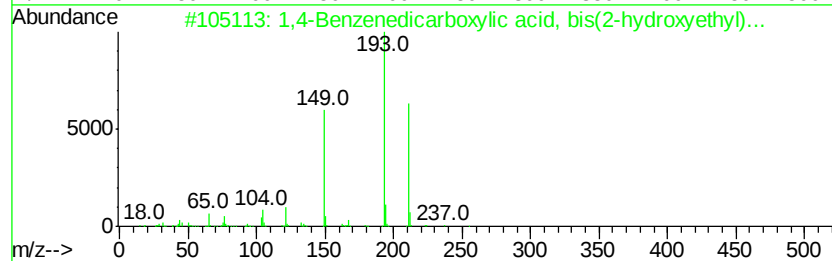
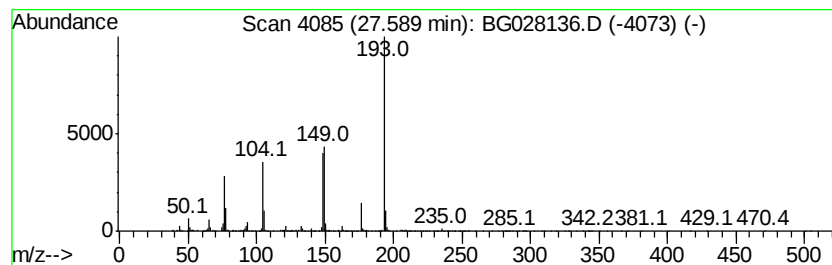
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 27 unknown-08 Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 27.59 | 23.38 ng/ul | 1740750 | Perylene-d12     | 25.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1,4-Benzenedicarboxylic acid, bi... | 254 | C12H14O6  | 000959-26-2 | 37   |
| 2    |    | Pyrazole, 5-methyl-3-(5-nitro-2-... | 193 | C8H7N3O3  | 016239-90-0 | 25   |
| 3    |    | N-[4-Methoxy-3-methoxycarbonyl)b... | 307 | C14H13NO7 | 541528-00-1 | 17   |
| 4    |    | 2-Aminobenzothiazol-6-carboxamide   | 193 | C8H7N3OS  | 111962-90-4 | 16   |
| 5    |    | Acridine, 9-methyl-                 | 193 | C14H11N   | 000611-64-3 | 12   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080217\  
 Data File : BG028136.D  
 Acq On : 3 Aug 2017 11:33  
 Operator : SJ/JU  
 Sample : I4405-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JJ2X4

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.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 |
| Phthalic anhydride   | 12.93 | 9.6     | ng/ul | 219815   | 2                     | 11.18 | 458295  | 20.0 |
| Benzene, 1,1'-(1,... | 16.50 | 11.9    | ng/ul | 507762   | 4                     | 17.72 | 854817  | 20.0 |
| 1-Propene, 2-(3-m... | 16.64 | 2.5     | ng/ul | 107202   | 4                     | 17.72 | 854817  | 20.0 |
| Benzene, 1,1'-(1-... | 16.73 | 2.4     | ng/ul | 104018   | 4                     | 17.72 | 854817  | 20.0 |
| unknown-01           | 17.05 | 14.4    | ng/ul | 615290   | 4                     | 17.72 | 854817  | 20.0 |
| Naphthalene, 1,2,... | 17.52 | 2.7     | ng/ul | 114504   | 4                     | 17.72 | 854817  | 20.0 |
| Benzene, 1,1'-(1,... | 17.67 | 6.7     | ng/ul | 285047   | 4                     | 17.72 | 854817  | 20.0 |
| .beta.-Phenylprop... | 18.11 | 6.8     | ng/ul | 292398   | 4                     | 17.72 | 854817  | 20.0 |
| 2-(Hexyloxycarbon... | 18.21 | 7.1     | ng/ul | 303745   | 4                     | 17.72 | 854817  | 20.0 |
| Phthalic acid, 3-... | 18.33 | 2.0     | ng/ul | 86095    | 4                     | 17.72 | 854817  | 20.0 |
| unknown-02           | 18.41 | 5.1     | ng/ul | 218556   | 4                     | 17.72 | 854817  | 20.0 |
| n-Decanoic acid      | 18.58 | 5.9     | ng/ul | 251948   | 4                     | 17.72 | 854817  | 20.0 |
| 1,2,4,8-Tetrameth... | 19.08 | 4.3     | ng/ul | 182675   | 4                     | 17.72 | 854817  | 20.0 |
| Naphthalene, 2-(p... | 19.86 | 9.6     | ng/ul | 412107   | 4                     | 17.72 | 854817  | 20.0 |
| unknown-03           | 21.05 | 2.2     | ng/ul | 108671   | 5                     | 22.05 | 1006880 | 20.0 |
| unknown-04           | 21.24 | 2.9     | ng/ul | 143696   | 5                     | 22.05 | 1006880 | 20.0 |
| unknown-05           | 21.36 | 3.8     | ng/ul | 190319   | 5                     | 22.05 | 1006880 | 20.0 |
| Pregna-5,17(20)-d... | 21.61 | 8.1     | ng/ul | 408817   | 5                     | 22.05 | 1006880 | 20.0 |
| unknown-06           | 21.64 | 26.4    | ng/ul | 1331000  | 5                     | 22.05 | 1006880 | 20.0 |
| 1-Propene, 3-(2-c... | 22.28 | 33.6    | ng/ul | 1692720  | 5                     | 22.05 | 1006880 | 20.0 |
| 1-Heptanone, 1,3-... | 22.79 | 3.7     | ng/ul | 187080   | 5                     | 22.05 | 1006880 | 20.0 |
| 1,1':2',1''-Terph... | 23.30 | 3.2     | ng/ul | 163012   | 5                     | 22.05 | 1006880 | 20.0 |
| unknown-07           | 27.20 | 15.2    | ng/ul | 1130270  | 6                     | 25.57 | 1488920 | 20.0 |
| unknown-08           | 27.59 | 23.4    | ng/ul | 1740750  | 6                     | 25.57 | 1488920 | 20.0 |