

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018238.D  
 Acq On : 2 Aug 2015 22:15  
 Operator : TP  
 Sample : G3073-17RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02G2RE

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.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      | 3.306    | 97         | 105      | 113       | rBV   | 88512       | 131804     | 12.67%       | 0.852%     |
| 2      | 3.488    | 131        | 136      | 139       | rVV5  | 4404        | 6988       | 0.67%        | 0.045%     |
| 3      | 5.139    | 412        | 417      | 422       | rBV4  | 9637        | 18606      | 1.79%        | 0.120%     |
| 4      | 5.504    | 474        | 479      | 484       | rBV2  | 23803       | 36778      | 3.53%        | 0.238%     |
| 5      | 5.680    | 504        | 509      | 513       | rBV4  | 7590        | 12682      | 1.22%        | 0.082%     |
| 6      | 5.974    | 554        | 559      | 563       | rVB5  | 6954        | 13137      | 1.26%        | 0.085%     |
| 7      | 6.044    | 566        | 571      | 575       | rBV4  | 9635        | 12971      | 1.25%        | 0.084%     |
| 8      | 6.156    | 586        | 590      | 598       | rVB5  | 14434       | 24003      | 2.31%        | 0.155%     |
| 9      | 6.367    | 619        | 626      | 628       | rBV5  | 4831        | 8575       | 0.82%        | 0.055%     |
| 10     | 6.473    | 638        | 644      | 650       | rVB9  | 10201       | 22807      | 2.19%        | 0.147%     |
| 11     | 6.538    | 650        | 655      | 658       | rBV6  | 6549        | 10824      | 1.04%        | 0.070%     |
| 12     | 6.573    | 658        | 661      | 664       | rVV4  | 6076        | 9196       | 0.88%        | 0.059%     |
| 13     | 6.632    | 664        | 671      | 675       | rVV7  | 10010       | 25526      | 2.45%        | 0.165%     |
| 14     | 6.685    | 675        | 680      | 689       | rVB   | 104518      | 182761     | 17.56%       | 1.182%     |
| 15     | 6.820    | 699        | 703      | 709       | rVV   | 78666       | 120080     | 11.54%       | 0.776%     |
| 16     | 6.961    | 725        | 727      | 731       | rVV4  | 7069        | 8746       | 0.84%        | 0.057%     |
| 17     | 7.020    | 731        | 737      | 745       | rVB   | 117050      | 185677     | 17.84%       | 1.201%     |
| 18     | 7.108    | 747        | 752      | 761       | rBV4  | 24645       | 61856      | 5.94%        | 0.400%     |
| 19     | 7.478    | 806        | 815      | 822       | rBV   | 334175      | 551208     | 52.97%       | 3.564%     |
| 20     | 7.590    | 830        | 834      | 840       | rBV3  | 13048       | 21541      | 2.07%        | 0.139%     |
| 21     | 7.754    | 856        | 862      | 865       | rBV7  | 7558        | 17825      | 1.71%        | 0.115%     |
| 22     | 8.018    | 901        | 907      | 912       | rVB7  | 16343       | 30033      | 2.89%        | 0.194%     |
| 23     | 8.071    | 912        | 916      | 919       | rVB6  | 7337        | 11629      | 1.12%        | 0.075%     |
| 24     | 8.112    | 919        | 923      | 926       | rBV3  | 12638       | 22212      | 2.13%        | 0.144%     |
| 25     | 8.218    | 935        | 941      | 949       | rBV2  | 135025      | 227976     | 21.91%       | 1.474%     |
| 26     | 8.289    | 949        | 953      | 960       | rVB6  | 14926       | 29722      | 2.86%        | 0.192%     |
| 27     | 8.430    | 973        | 977      | 979       | rBV3  | 6577        | 9354       | 0.90%        | 0.060%     |
| 28     | 8.483    | 982        | 986      | 992       | rVB5  | 8060        | 14306      | 1.37%        | 0.093%     |
| 29     | 8.547    | 994        | 997      | 999       | rVV3  | 7336        | 10350      | 0.99%        | 0.067%     |
| 30     | 8.582    | 1000       | 1003     | 1006      | rVV4  | 16165       | 22533      | 2.17%        | 0.146%     |
| 31     | 8.635    | 1006       | 1012     | 1020      | rVV   | 108667      | 179789     | 17.28%       | 1.163%     |
| 32     | 8.706    | 1020       | 1024     | 1029      | rVV2  | 38012       | 55356      | 5.32%        | 0.358%     |
| 33     | 8.823    | 1033       | 1044     | 1050      | rVB2  | 13205       | 49415      | 4.75%        | 0.320%     |
| 34     | 8.912    | 1053       | 1059     | 1060      | rBV4  | 7832        | 10732      | 1.03%        | 0.069%     |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 9.053  | 1081 | 1083 | 1089 | rVB6 | 4246   | 6788   | 0.65%  | 0.044% |
| 36 | 9.117  | 1092 | 1094 | 1098 | rVV5 | 12178  | 15907  | 1.53%  | 0.103% |
| 37 | 9.164  | 1098 | 1102 | 1113 | rVB7 | 14492  | 34954  | 3.36%  | 0.226% |
| 38 | 9.358  | 1128 | 1135 | 1140 | rBV  | 86202  | 141736 | 13.62% | 0.916% |
| 39 | 9.540  | 1159 | 1166 | 1167 | rBV4 | 8313   | 14114  | 1.36%  | 0.091% |
| 40 | 9.622  | 1176 | 1180 | 1184 | rVB6 | 9530   | 11744  | 1.13%  | 0.076% |
| 41 | 9.669  | 1185 | 1188 | 1192 | rBV4 | 12570  | 19404  | 1.86%  | 0.125% |
| 42 | 9.805  | 1209 | 1211 | 1216 | rVB4 | 8312   | 9934   | 0.95%  | 0.064% |
| 43 | 9.904  | 1222 | 1228 | 1236 | rVB  | 155072 | 249533 | 23.98% | 1.614% |
| 44 | 9.969  | 1236 | 1239 | 1243 | rBV5 | 7155   | 11220  | 1.08%  | 0.073% |
| 45 | 10.128 | 1262 | 1266 | 1271 | rBV7 | 8528   | 17851  | 1.72%  | 0.115% |
| 46 | 10.263 | 1281 | 1289 | 1295 | rBV  | 468722 | 807917 | 77.63% | 5.224% |
| 47 | 10.316 | 1295 | 1298 | 1305 | rVB3 | 18181  | 34181  | 3.28%  | 0.221% |
| 48 | 10.416 | 1306 | 1315 | 1323 | rBV2 | 74158  | 158278 | 15.21% | 1.023% |
| 49 | 10.568 | 1336 | 1341 | 1346 | rVB8 | 8546   | 17329  | 1.67%  | 0.112% |
| 50 | 10.639 | 1347 | 1353 | 1356 | rBV5 | 4859   | 9342   | 0.90%  | 0.060% |
| 51 | 10.745 | 1370 | 1371 | 1376 | rVB4 | 5341   | 7031   | 0.68%  | 0.045% |
| 52 | 10.968 | 1405 | 1409 | 1414 | rVB5 | 7239   | 12319  | 1.18%  | 0.080% |
| 53 | 11.103 | 1427 | 1432 | 1437 | rBV8 | 7496   | 16668  | 1.60%  | 0.108% |
| 54 | 11.197 | 1444 | 1448 | 1451 | rBV4 | 5275   | 7169   | 0.69%  | 0.046% |
| 55 | 11.297 | 1460 | 1465 | 1470 | rBV5 | 15689  | 29014  | 2.79%  | 0.188% |
| 56 | 11.550 | 1505 | 1508 | 1512 | rVB4 | 6426   | 8507   | 0.82%  | 0.055% |
| 57 | 11.708 | 1531 | 1535 | 1540 | rBV2 | 26472  | 38473  | 3.70%  | 0.249% |
| 58 | 11.943 | 1571 | 1575 | 1580 | rVB3 | 20685  | 32916  | 3.16%  | 0.213% |
| 59 | 12.172 | 1608 | 1614 | 1617 | rBV2 | 12582  | 22091  | 2.12%  | 0.143% |
| 60 | 12.419 | 1648 | 1656 | 1663 | rBV8 | 6924   | 17905  | 1.72%  | 0.116% |
| 61 | 12.490 | 1663 | 1668 | 1669 | rBV4 | 5751   | 8537   | 0.82%  | 0.055% |
| 62 | 12.684 | 1698 | 1701 | 1704 | rVB4 | 9981   | 10311  | 0.99%  | 0.067% |
| 63 | 12.725 | 1704 | 1708 | 1711 | rBV3 | 15655  | 24442  | 2.35%  | 0.158% |
| 64 | 12.983 | 1745 | 1752 | 1757 | rBV5 | 26126  | 43181  | 4.15%  | 0.279% |
| 65 | 13.318 | 1804 | 1809 | 1816 | rBV9 | 8100   | 22388  | 2.15%  | 0.145% |
| 66 | 13.477 | 1830 | 1836 | 1840 | rBV2 | 16534  | 27894  | 2.68%  | 0.180% |
| 67 | 13.530 | 1840 | 1845 | 1847 | rVV5 | 12688  | 17018  | 1.64%  | 0.110% |
| 68 | 13.577 | 1847 | 1853 | 1857 | rVV  | 269117 | 382582 | 36.76% | 2.474% |
| 69 | 13.624 | 1857 | 1861 | 1869 | rVB  | 131948 | 191529 | 18.40% | 1.238% |
| 70 | 13.847 | 1893 | 1899 | 1905 | rBV  | 274830 | 396244 | 38.08% | 2.562% |
| 71 | 14.076 | 1932 | 1938 | 1942 | rBV6 | 19929  | 32235  | 3.10%  | 0.208% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 14.158 | 1946 | 1952 | 1958 | rVV2 | 675412 | 1038244 | 99.76%  | 6.713% |
| 73  | 14.223 | 1959 | 1963 | 1968 | rVB  | 23255  | 31805   | 3.06%   | 0.206% |
| 74  | 14.370 | 1983 | 1988 | 1989 | rBV4 | 5316   | 7570    | 0.73%   | 0.049% |
| 75  | 14.417 | 1991 | 1996 | 2001 | rVB2 | 40911  | 66327   | 6.37%   | 0.429% |
| 76  | 14.464 | 2002 | 2004 | 2012 | rVB8 | 5945   | 11782   | 1.13%   | 0.076% |
| 77  | 15.028 | 2097 | 2100 | 2105 | rVB3 | 26366  | 36387   | 3.50%   | 0.235% |
| 78  | 15.157 | 2117 | 2122 | 2128 | rBV  | 318026 | 460365  | 44.24%  | 2.977% |
| 79  | 15.216 | 2128 | 2132 | 2136 | rVB2 | 24771  | 35895   | 3.45%   | 0.232% |
| 80  | 15.433 | 2165 | 2169 | 2173 | rBV6 | 16449  | 29174   | 2.80%   | 0.189% |
| 81  | 15.897 | 2245 | 2248 | 2255 | rVB6 | 34126  | 67141   | 6.45%   | 0.434% |
| 82  | 16.691 | 2380 | 2383 | 2387 | rVB5 | 32665  | 37493   | 3.60%   | 0.242% |
| 83  | 16.920 | 2417 | 2422 | 2426 | rBV2 | 726474 | 1021936 | 98.20%  | 6.608% |
| 84  | 16.961 | 2426 | 2429 | 2433 | rVB  | 289818 | 352481  | 33.87%  | 2.279% |
| 85  | 17.014 | 2433 | 2438 | 2442 | rBV  | 280547 | 410438  | 39.44%  | 2.654% |
| 86  | 17.836 | 2574 | 2578 | 2585 | rBV3 | 150617 | 252167  | 24.23%  | 1.631% |
| 87  | 17.901 | 2586 | 2589 | 2597 | rVB  | 75427  | 112631  | 10.82%  | 0.728% |
| 88  | 17.989 | 2601 | 2604 | 2608 | rBV3 | 73691  | 104873  | 10.08%  | 0.678% |
| 89  | 18.547 | 2695 | 2699 | 2704 | rVB  | 518889 | 629461  | 60.48%  | 4.070% |
| 90  | 18.994 | 2770 | 2775 | 2781 | rBV  | 355523 | 580735  | 55.80%  | 3.755% |
| 91  | 19.053 | 2781 | 2785 | 2792 | rVB  | 334206 | 428823  | 41.21%  | 2.773% |
| 92  | 19.329 | 2828 | 2832 | 2834 | rBV2 | 281906 | 369642  | 35.52%  | 2.390% |
| 93  | 19.358 | 2834 | 2837 | 2840 | rVB  | 291641 | 349194  | 33.55%  | 2.258% |
| 94  | 21.127 | 3134 | 3138 | 3142 | rVB2 | 615205 | 765804  | 73.59%  | 4.952% |
| 95  | 21.285 | 3163 | 3165 | 3169 | rVB2 | 191705 | 212317  | 20.40%  | 1.373% |
| 96  | 21.632 | 3220 | 3224 | 3227 | rBV  | 425199 | 502402  | 48.28%  | 3.249% |
| 97  | 21.714 | 3235 | 3238 | 3242 | rVB2 | 298661 | 346512  | 33.30%  | 2.241% |
| 98  | 21.773 | 3244 | 3248 | 3255 | rVV2 | 829813 | 1040692 | 100.00% | 6.729% |
| 99  | 21.926 | 3271 | 3274 | 3277 | rBV2 | 392641 | 501735  | 48.21%  | 3.244% |
| 100 | 22.654 | 3395 | 3398 | 3403 | rVB3 | 474123 | 595340  | 57.21%  | 3.850% |

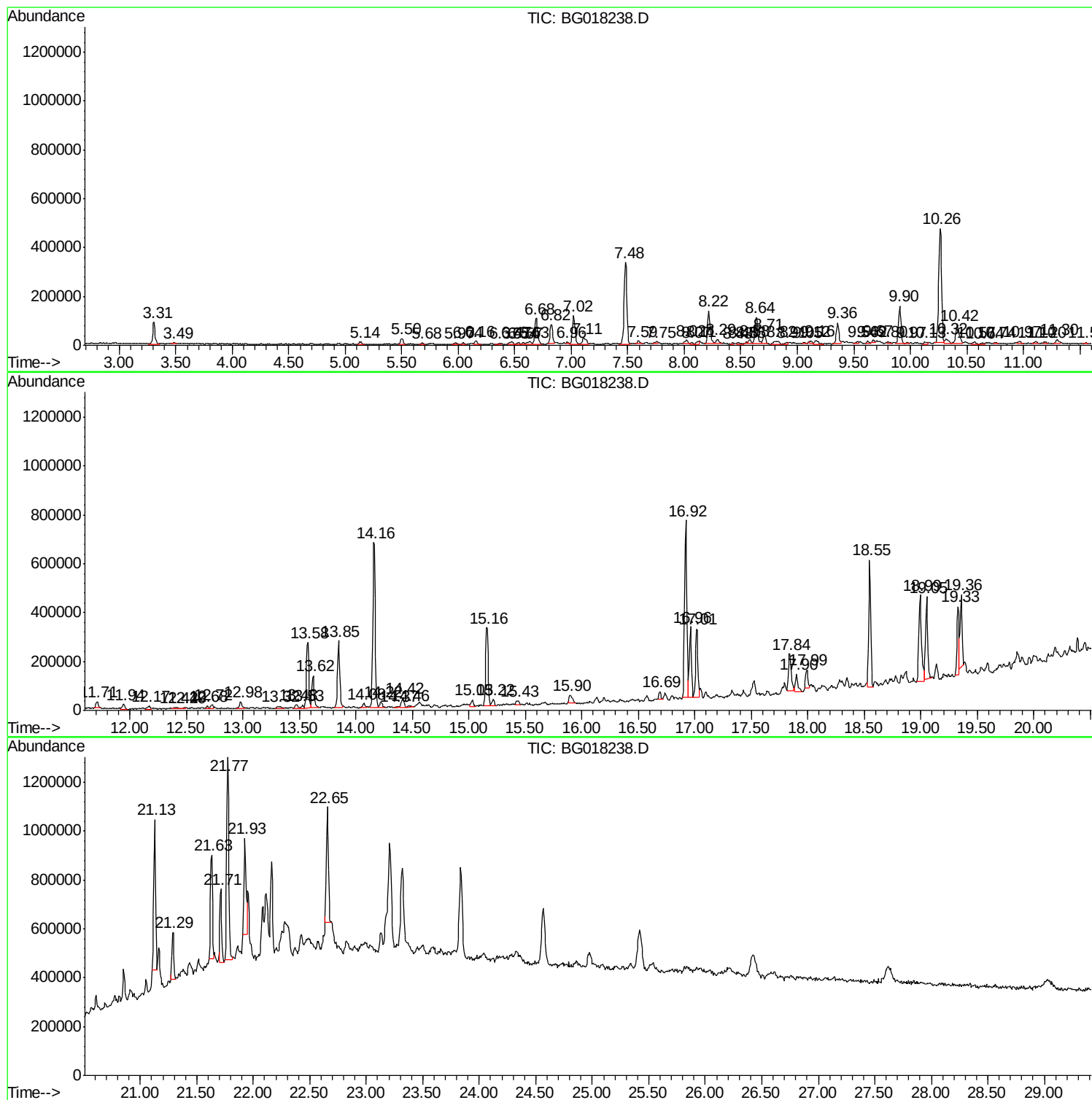
Sum of corrected areas: 15465050

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

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



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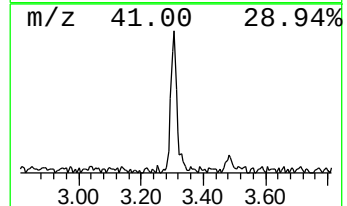
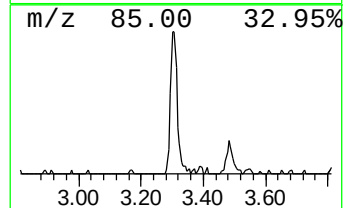
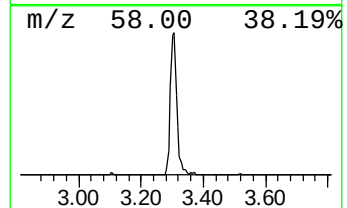
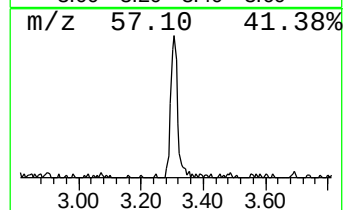
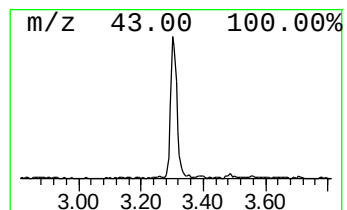
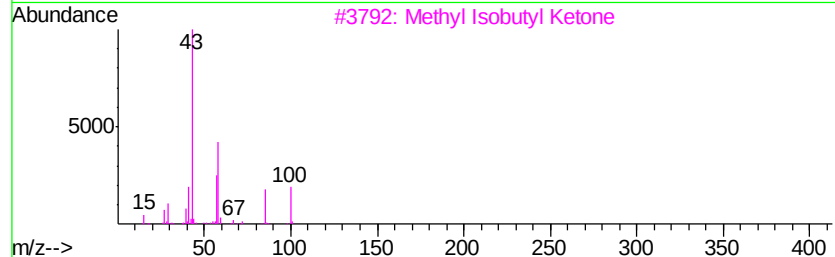
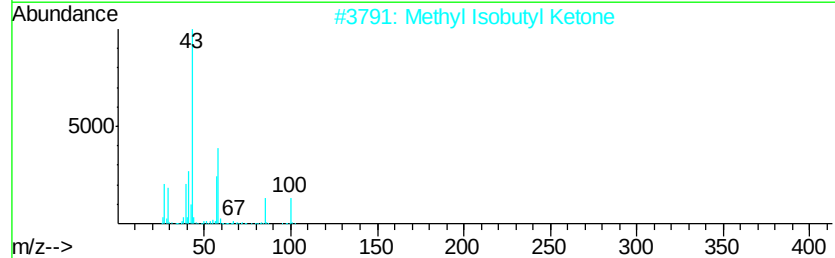
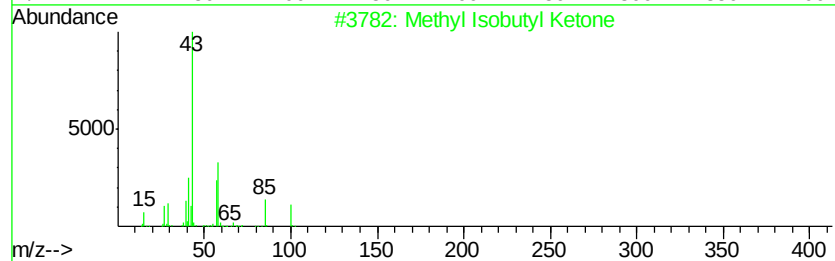
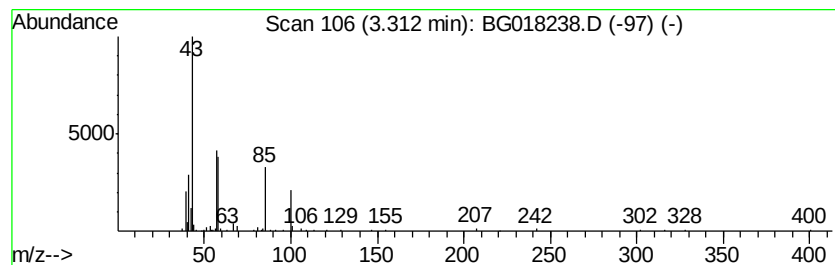
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 9

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.31 | 4.78 ng/ul | 131804 | 1,4-Dichlorobenzene-d4 | 7.48 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Methyl Isobutyl Ketone | 100 | C6H12O  | 000108-10-1 | 78   |
| 2    |    | Methyl Isobutyl Ketone | 100 | C6H12O  | 000108-10-1 | 78   |
| 3    |    | Methyl Isobutyl Ketone | 100 | C6H12O  | 000108-10-1 | 59   |
| 4    |    | 2,4-Pentanedione       | 100 | C5H8O2  | 000123-54-6 | 49   |
| 5    |    | Piperazine, 1-methyl-  | 100 | C5H12N2 | 000109-01-3 | 43   |



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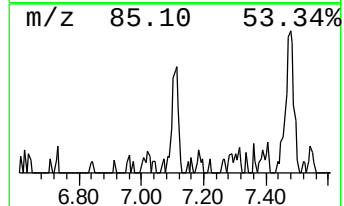
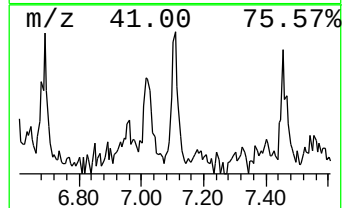
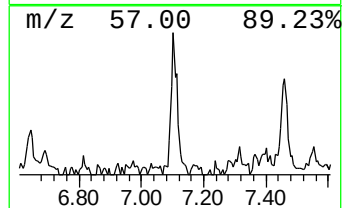
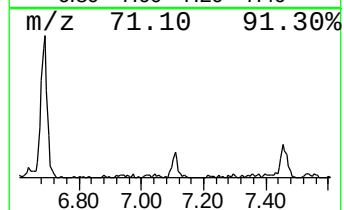
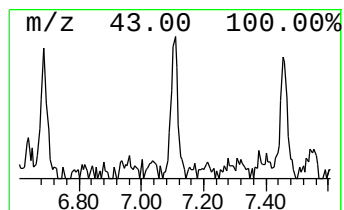
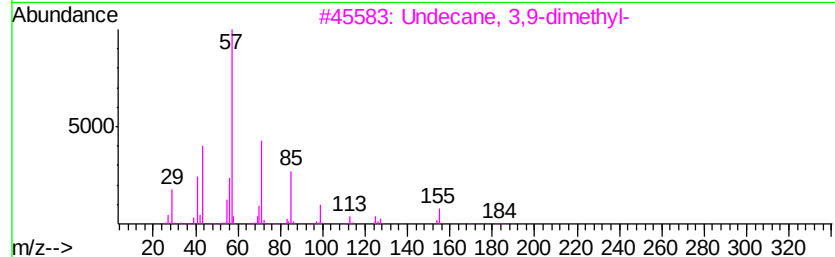
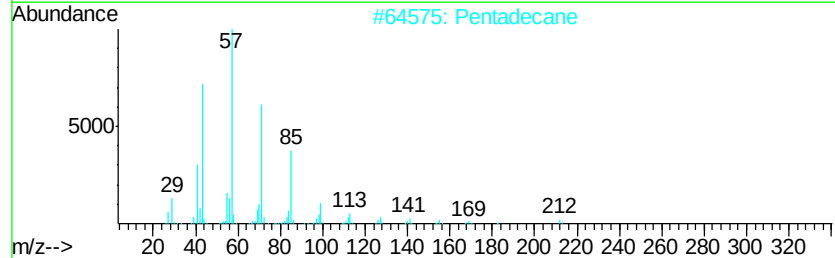
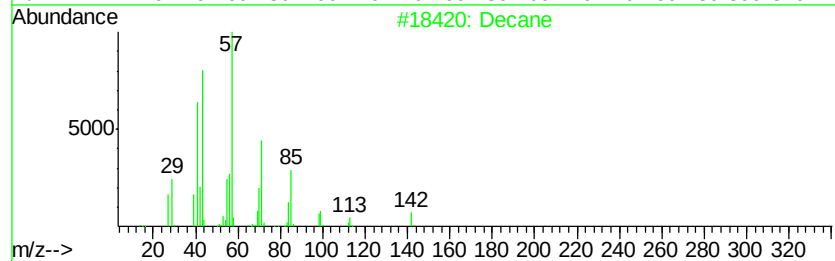
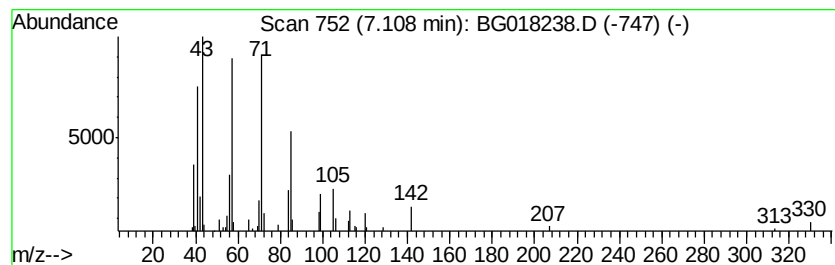
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 7.11 | 2.24 ng/ul | 61856 | 1,4-Dichlorobenzene-d4 | 7.48 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane                  | 142 | C10H22  | 000124-18-5 | 72   |
| 2    |    | Pentadecane             | 212 | C15H32  | 000629-62-9 | 53   |
| 3    |    | Undecane, 3,9-dimethyl- | 184 | C13H28  | 017301-31-4 | 50   |
| 4    |    | Octadecane              | 254 | C18H38  | 000593-45-3 | 50   |
| 5    |    | Hexadecane              | 226 | C16H34  | 000544-76-3 | 50   |



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ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

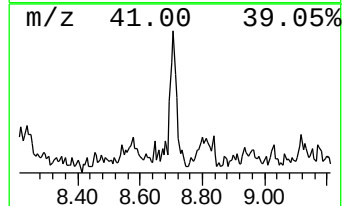
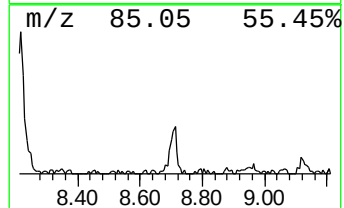
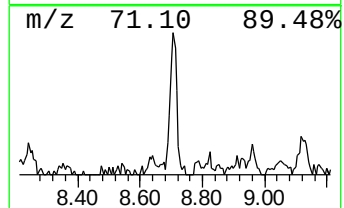
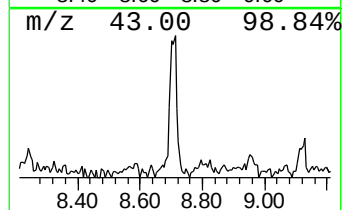
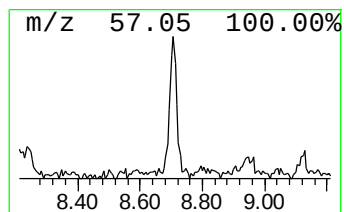
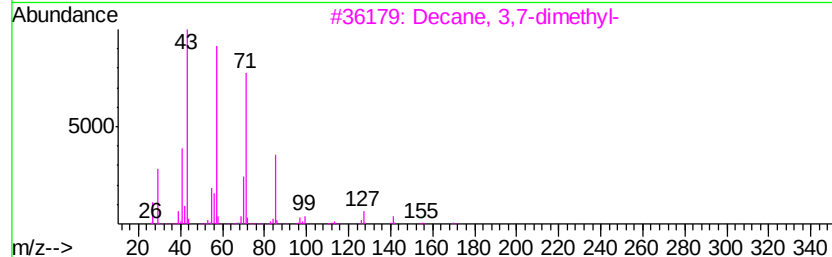
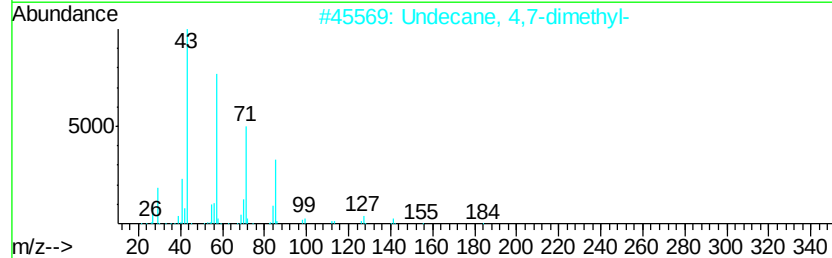
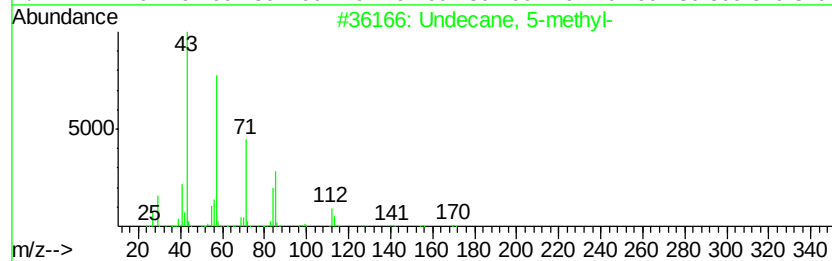
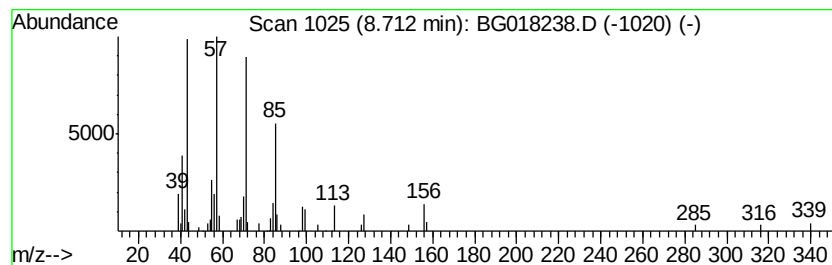
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 8.71 | 2.01 ng/ul | 55356 | 1,4-Dichlorobenzene-d4 | 7.48 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 5-methyl-     | 170 | C12H26  | 001632-70-8 | 64   |
| 2    |    | Undecane, 4,7-dimethyl- | 184 | C13H28  | 017301-32-5 | 64   |
| 3    |    | Decane, 3,7-dimethyl-   | 170 | C12H26  | 017312-54-8 | 59   |
| 4    |    | Undecane, 5-methyl-     | 170 | C12H26  | 001632-70-8 | 59   |
| 5    |    | 1-Undecene, 4-methyl-   | 168 | C12H24  | 074630-39-0 | 59   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

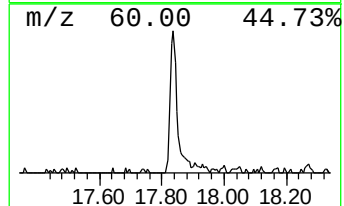
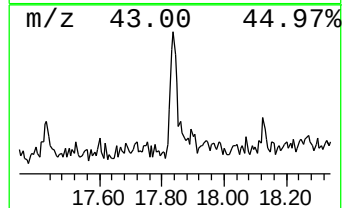
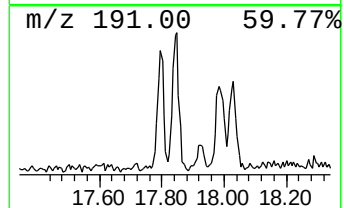
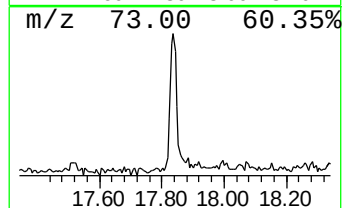
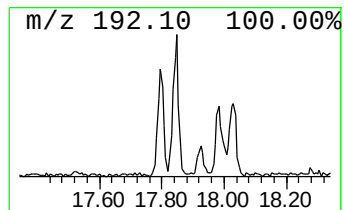
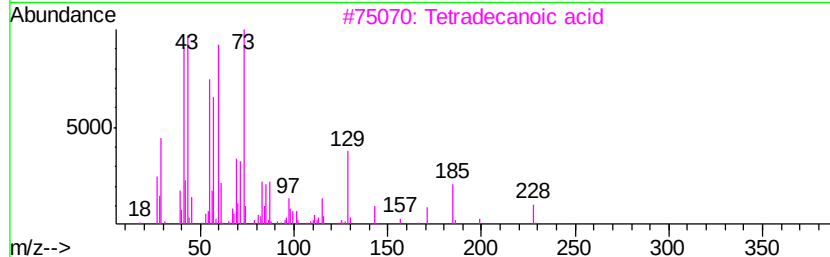
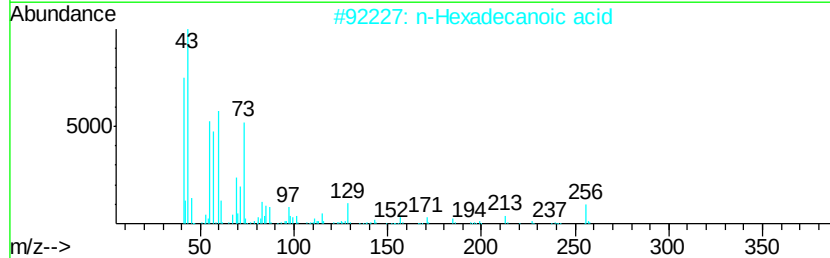
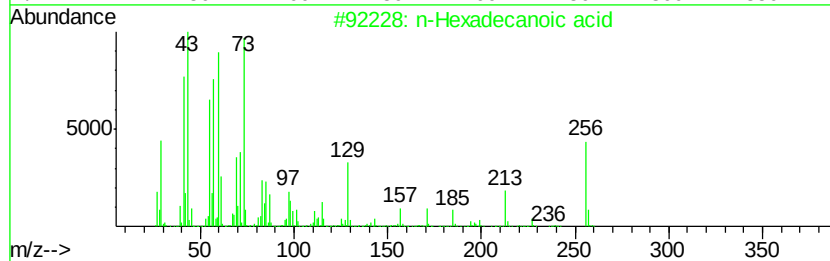
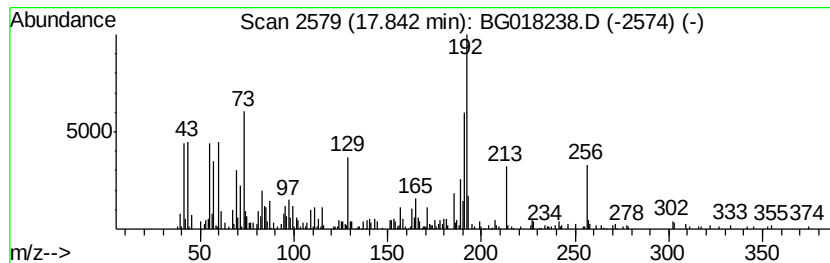
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.84 | 4.94 ng/ul | 252167 | Phenanthrene-d10 | 16.92 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 94   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 86   |      |
| 3       | Tetradecanoic acid  | 228          | C14H28O2 | 000544-63-8 | 51   |      |
| 4       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 46   |      |
| 5       | Pentadecanoic acid  | 242          | C15H30O2 | 001002-84-2 | 45   |      |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

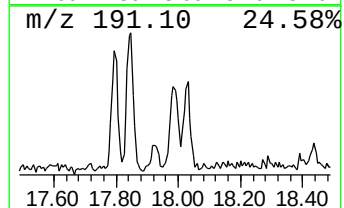
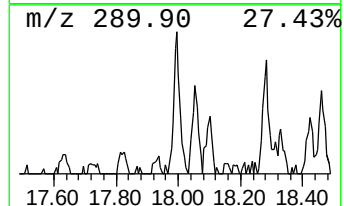
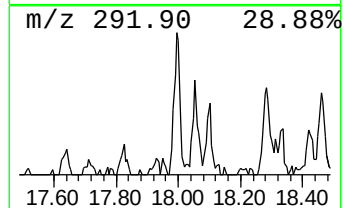
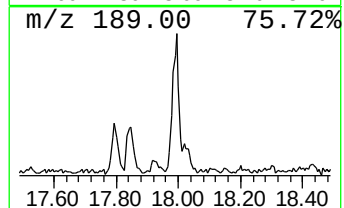
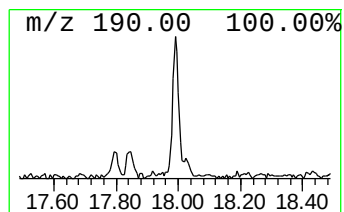
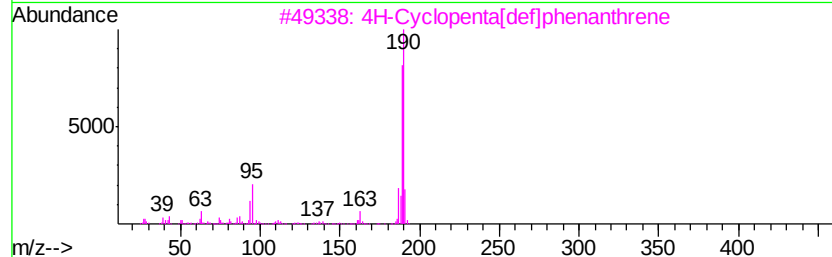
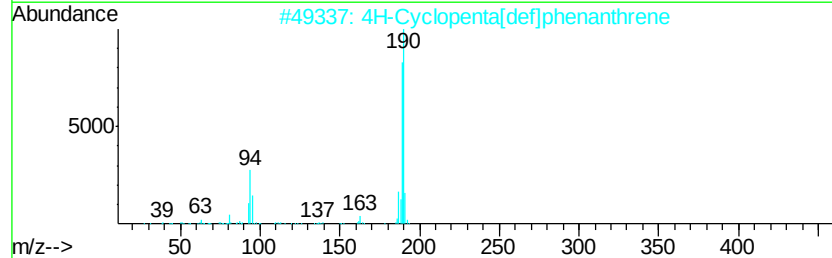
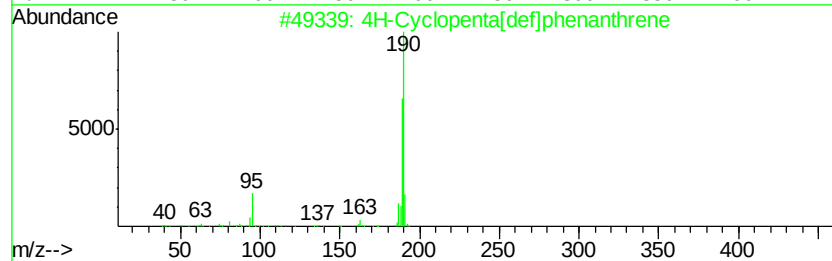
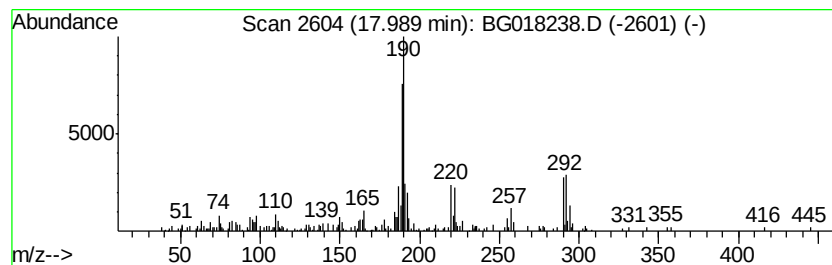
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.99 | 2.05 ng/ul | 104873 | Phenanthrene-d10 | 16.92 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 50   |
| 2       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 49   |
| 3       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 49   |
| 4       |   | Phenol, 4-(2-thienylmethyl)-        | 190 | C11H10OS | 091680-55-6 | 38   |
| 5       |   | 2-Furancarboxaldehyde, 5-[(5-met... | 190 | C11H10O3 | 034995-74-9 | 22   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

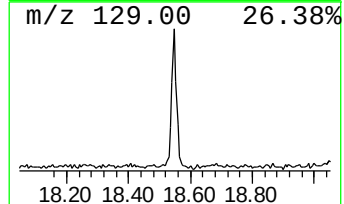
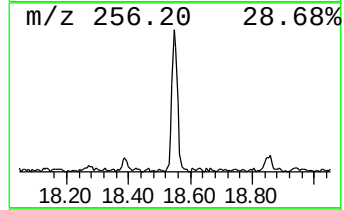
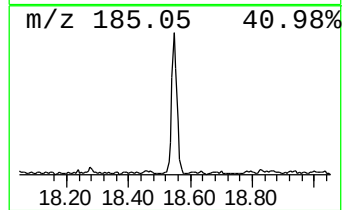
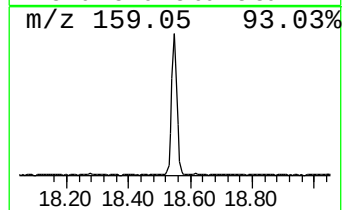
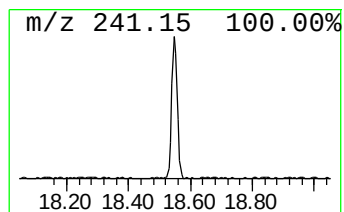
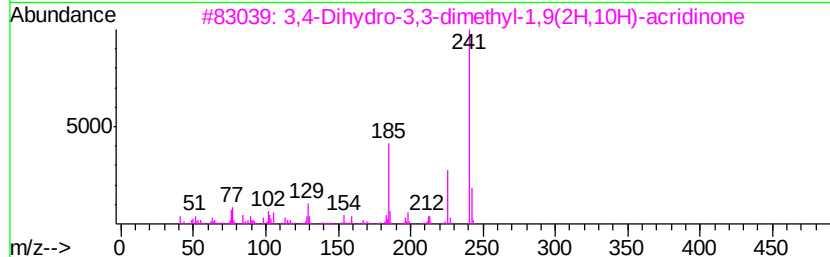
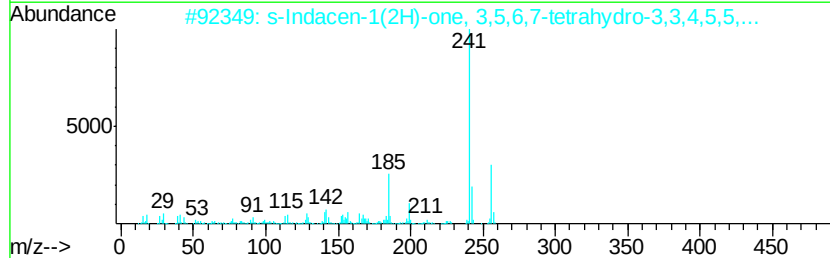
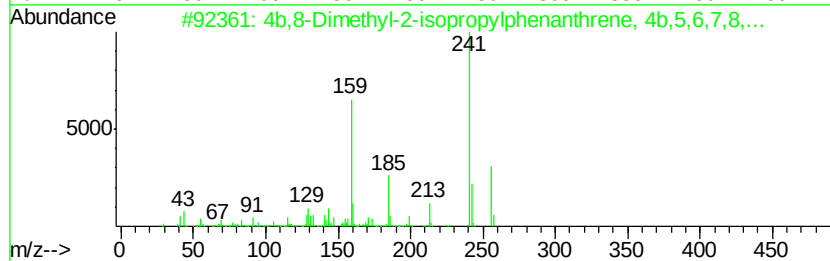
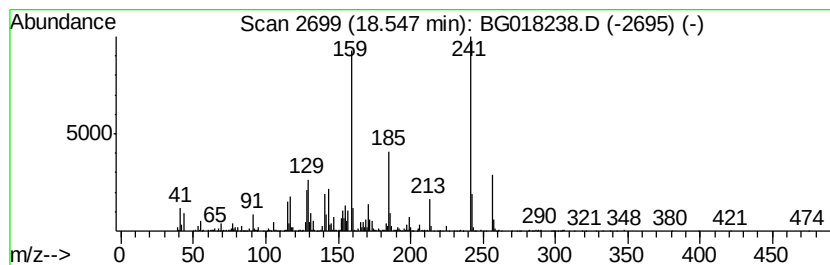
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 4

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 18.55 | 12.32 ng/ul | 629461 | Phenanthrene-d10 | 16.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28    | 1000197-14-1 | 93   |
| 2    |    | s-Indacen-1(2H)-one, 3,5,6,7-tet... | 256 | C18H24O   | 038754-94-8  | 62   |
| 3    |    | 3,4-Dihydro-3,3-dimethyl-1,9(2H,... | 241 | C15H15N02 | 1000212-95-2 | 46   |
| 4    |    | 1-Phenanthrenecarboxaldehyde, 1,... | 284 | C20H28O   | 024035-50-5  | 43   |
| 5    |    | As-Indacene, 1,2,3,6,7,8-hexahyd... | 256 | C19H28    | 017465-47-3  | 30   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

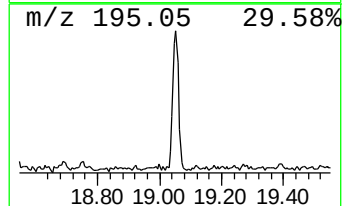
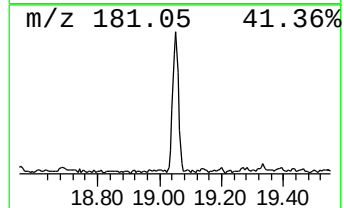
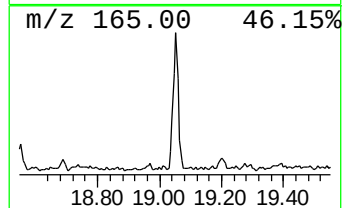
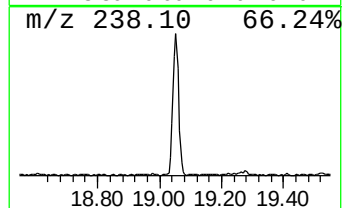
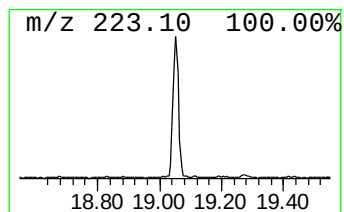
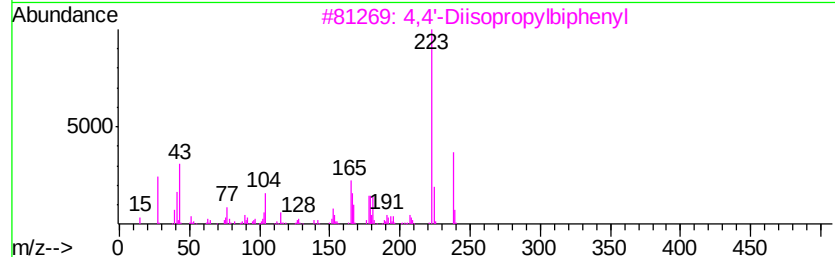
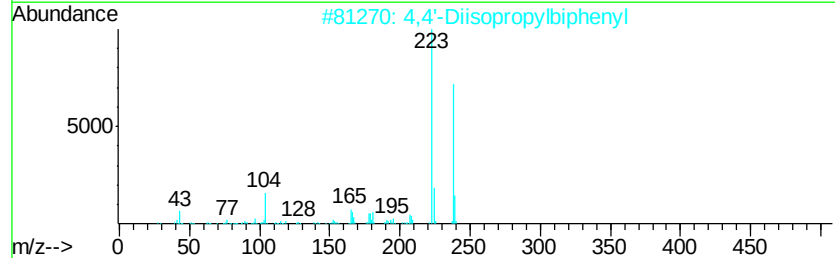
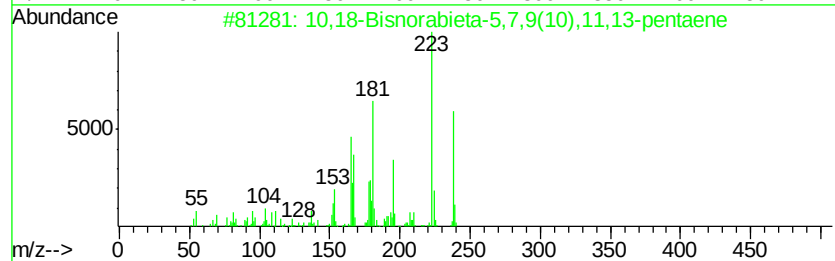
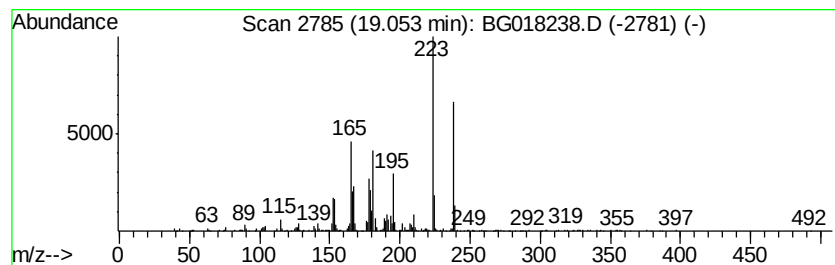
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 5

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 19.05 | 11.20 ng/ul | 428823 | Chrysene-d12     | 21.13 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22   | 006566-19-4 | 98   |
| 2       |   | 4,4'-Diisopropylbiphenyl            | 238 | C18H22   | 018970-30-4 | 50   |
| 3       |   | 4,4'-Diisopropylbiphenyl            | 238 | C18H22   | 018970-30-4 | 45   |
| 4       |   | Anthracene, 1,4-dimethoxy-          | 238 | C16H14O2 | 013076-29-4 | 45   |
| 5       |   | Anthracene, 9,10-dimethoxy-         | 238 | C16H14O2 | 002395-97-3 | 41   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

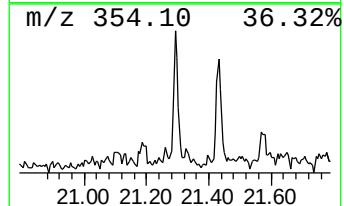
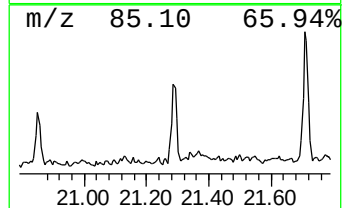
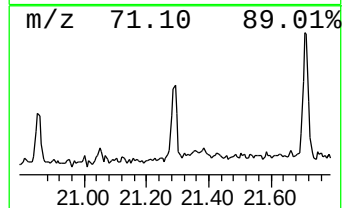
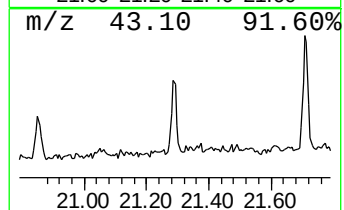
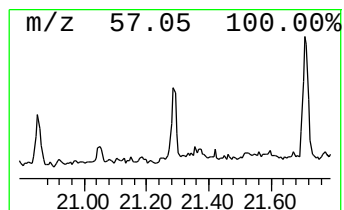
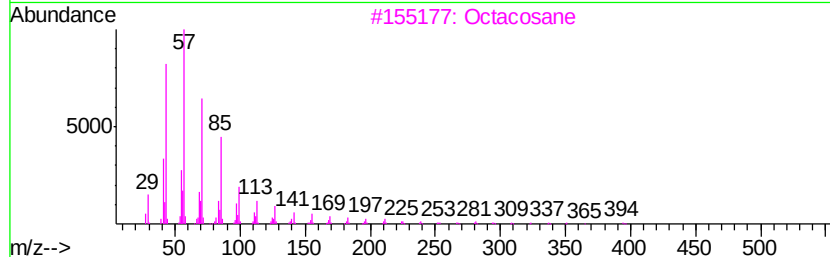
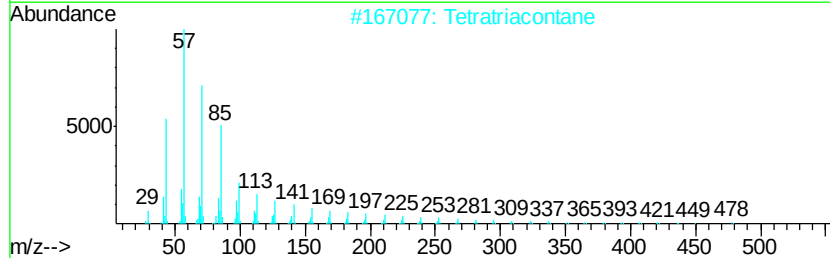
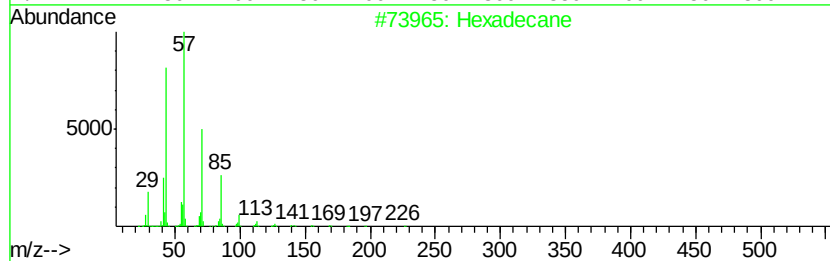
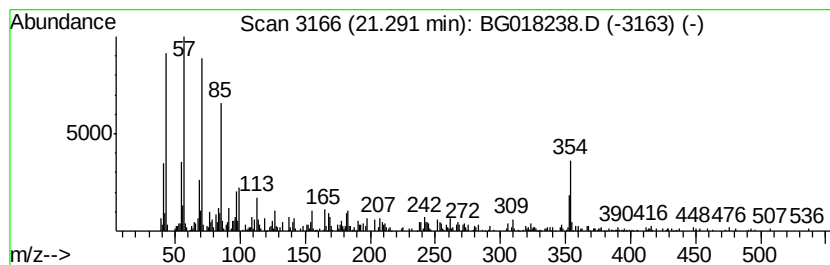
Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD      |     | R.T.    |             |      |
|-------|------------|--------|-----------------------|-----|---------|-------------|------|
| 21.29 | 5.54 ng/ul | 212317 | Chrysene-d12          |     | 21.13   |             |      |
| Hit#  | of         | 5      | Tentative ID          | MW  | MolForm | CAS#        | Qual |
| 1     |            |        | Hexadecane            | 226 | C16H34  | 000544-76-3 | 91   |
| 2     |            |        | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 91   |
| 3     |            |        | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 4     |            |        | Docosane              | 310 | C22H46  | 000629-97-0 | 87   |
| 5     |            |        | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

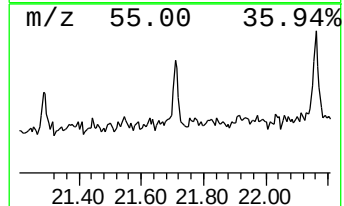
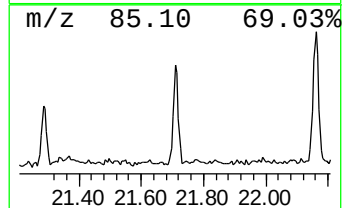
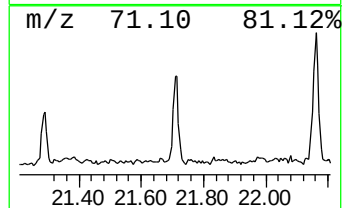
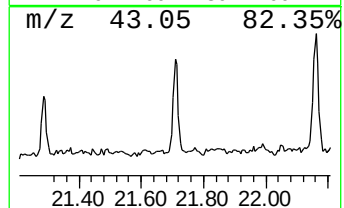
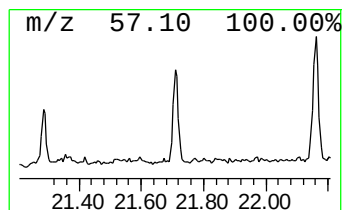
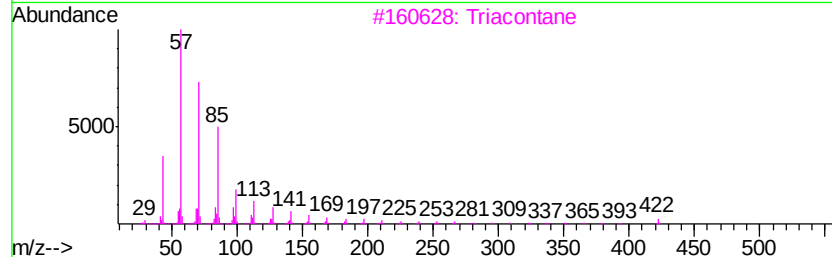
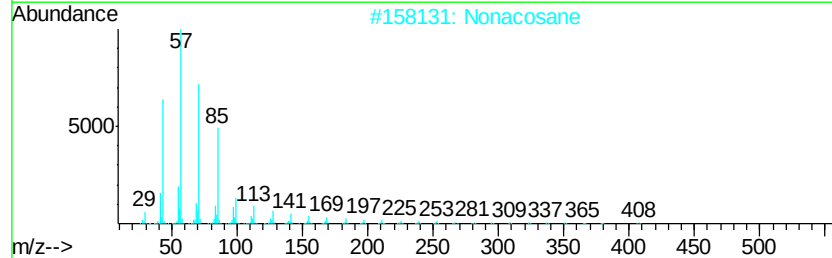
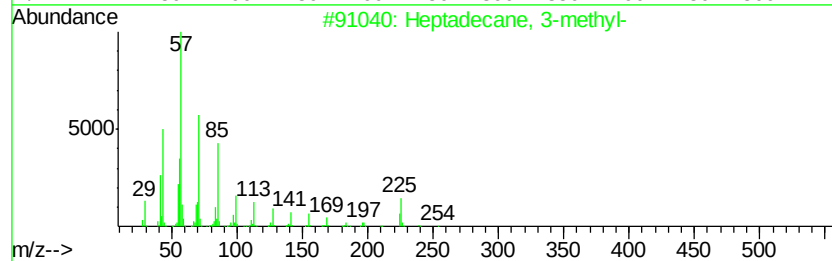
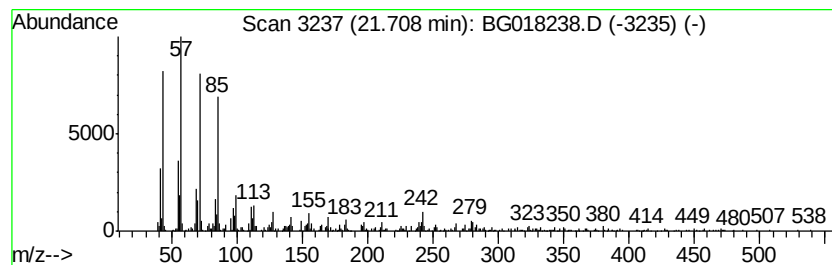
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.71 | 9.05 ng/ul | 346512 | Chrysene-d12     | 21.13 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 3-methyl- | 254 | C18H38  | 006418-44-6 | 86   |
| 2    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 86   |
| 3    |    | triacontane            | 422 | C30H62  | 000638-68-6 | 70   |
| 4    |    | Heptadecane, 3-methyl- | 254 | C18H38  | 006418-44-6 | 70   |
| 5    |    | Eicosane               | 282 | C20H42  | 000112-95-8 | 70   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

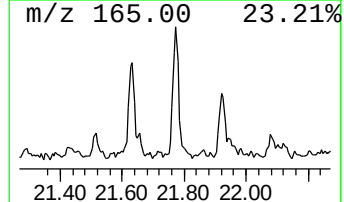
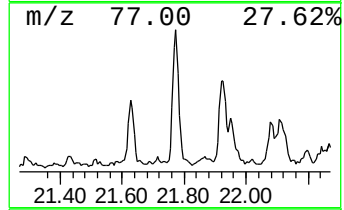
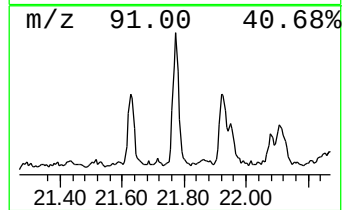
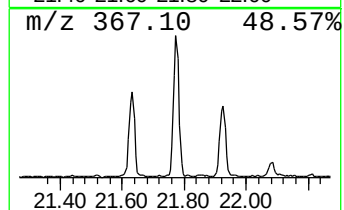
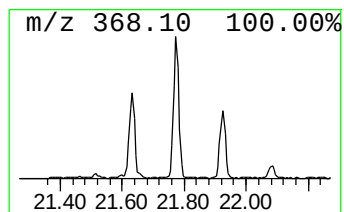
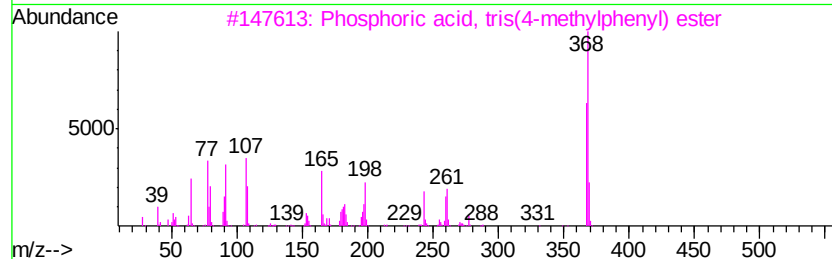
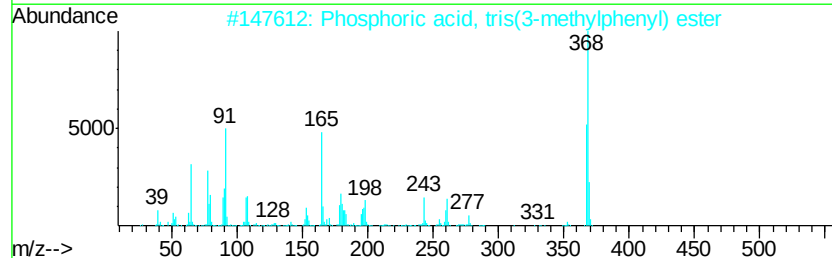
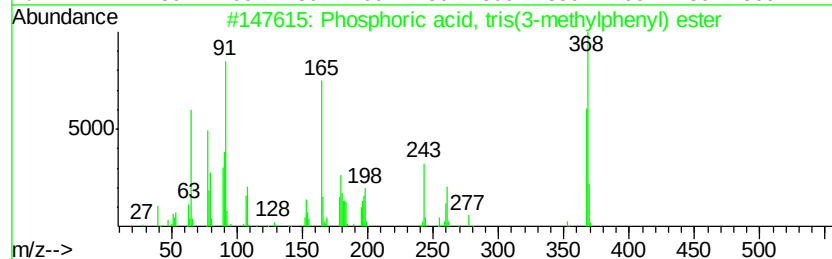
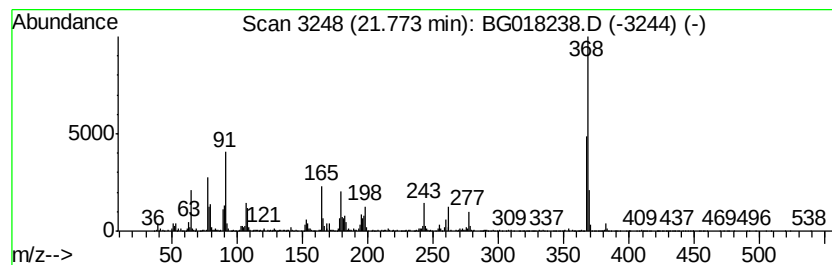
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Phosphoric acid, tris(3-met... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 21.77 | 27.18 ng/ul | 1040690 | Chrysene-d12     | 21.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P   | 000563-04-2 | 98   |
| 2    |    | Phosphoric acid, tris(3-methylph... | 368 | C21H21O4P   | 000563-04-2 | 98   |
| 3    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P   | 000078-32-0 | 91   |
| 4    |    | Phosphoric acid, tris(4-methylph... | 368 | C21H21O4P   | 000078-32-0 | 89   |
| 5    |    | Pyrimidine-4,6-dione, hexahydro-... | 368 | C19H16N2O4S | 310421-18-2 | 33   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018238.D  
Acq On : 2 Aug 2015 22:15  
Operator : TP  
Sample : G3073-17RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02G2RE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Methyl Isobutyl K... | 3.31  | 4.8     | ng/ul | 131804   | 1                     | 7.48  | 551208  | 20.0 |
| (DEL) Alkane: Str... | 7.11  | 2.2     | ng/ul | 61856    | 1                     | 7.48  | 551208  | 20.0 |
| (DEL) Alkane: Str... | 8.71  | 2.0     | ng/ul | 55356    | 1                     | 7.48  | 551208  | 20.0 |
| n-Hexadecanoic acid  | 17.84 | 4.9     | ng/ul | 252167   | 4                     | 16.92 | 1021940 | 20.0 |
| 4H-Cyclopenta[def... | 17.99 | 2.0     | ng/ul | 104873   | 4                     | 16.92 | 1021940 | 20.0 |
| 4b,8-Dimethyl-2-i... | 18.55 | 12.3    | ng/ul | 629461   | 4                     | 16.92 | 1021940 | 20.0 |
| 10,18-Bisnorabiet... | 19.05 | 11.2    | ng/ul | 428823   | 5                     | 21.13 | 765804  | 20.0 |
| (DEL) Alkane: Str... | 21.29 | 5.5     | ng/ul | 212317   | 5                     | 21.13 | 765804  | 20.0 |
| (DEL) Alkane: Str... | 21.71 | 9.1     | ng/ul | 346512   | 5                     | 21.13 | 765804  | 20.0 |
| Phosphoric acid, ... | 21.77 | 27.2    | ng/ul | 1040690  | 5                     | 21.13 | 765804  | 20.0 |