

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
 Data File : BG022006.D  
 Acq On : 22 May 2016 10:41  
 Operator : UM/SJ  
 Sample : H3124-19  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHGG5

## 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-BG052116.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.173       | 53            | 57          | 71           | rVB3     | 22803          | 55741         | 0.27%           | 0.047%        |
| 2         | 4.301       | 241           | 249         | 274          | rBV      | 672254         | 1466182       | 7.04%           | 1.239%        |
| 3         | 5.324       | 418           | 423         | 429          | rBV3     | 14597          | 27554         | 0.13%           | 0.023%        |
| 4         | 5.570       | 459           | 465         | 472          | rBV3     | 25509          | 57368         | 0.28%           | 0.048%        |
| 5         | 5.647       | 472           | 478         | 485          | rVV      | 72162          | 125709        | 0.60%           | 0.106%        |
| 6         | 5.776       | 493           | 500         | 517          | rVB      | 286779         | 808902        | 3.88%           | 0.684%        |
| 7         | 5.941       | 524           | 528         | 534          | rVB4     | 15306          | 30566         | 0.15%           | 0.026%        |
| 8         | 6.011       | 534           | 540         | 546          | rBV6     | 17173          | 42438         | 0.20%           | 0.036%        |
| 9         | 6.093       | 548           | 554         | 558          | rBV      | 34199          | 71047         | 0.34%           | 0.060%        |
| 10        | 6.152       | 558           | 564         | 573          | rVB      | 238569         | 476091        | 2.28%           | 0.402%        |
| 11        | 6.228       | 573           | 577         | 586          | rVB4     | 19855          | 42082         | 0.20%           | 0.036%        |
| 12        | 6.311       | 586           | 591         | 600          | rVB4     | 8626           | 22183         | 0.11%           | 0.019%        |
| 13        | 6.411       | 600           | 608         | 621          | rBV4     | 78366          | 259646        | 1.25%           | 0.219%        |
| 14        | 6.522       | 621           | 627         | 636          | rVB3     | 32537          | 78748         | 0.38%           | 0.067%        |
| 15        | 6.646       | 637           | 648         | 652          | rBV6     | 54583          | 177532        | 0.85%           | 0.150%        |
| 16        | 6.693       | 652           | 656         | 660          | rVB      | 45019          | 69923         | 0.34%           | 0.059%        |
| 17        | 6.804       | 660           | 675         | 686          | rVB4     | 157795         | 475325        | 2.28%           | 0.402%        |
| 18        | 6.898       | 686           | 691         | 696          | rVB2     | 38704          | 70068         | 0.34%           | 0.059%        |
| 19        | 6.963       | 696           | 702         | 707          | rBV3     | 32978          | 66604         | 0.32%           | 0.056%        |
| 20        | 7.033       | 707           | 714         | 720          | rVB4     | 43856          | 111671        | 0.54%           | 0.094%        |
| 21        | 7.127       | 720           | 730         | 736          | rBV3     | 92986          | 219631        | 1.05%           | 0.186%        |
| 22        | 7.186       | 736           | 740         | 743          | rVB5     | 26489          | 37331         | 0.18%           | 0.032%        |
| 23        | 7.239       | 743           | 749         | 753          | rBV      | 144171         | 259493        | 1.25%           | 0.219%        |
| 24        | 7.298       | 753           | 759         | 767          | rVB4     | 225861         | 481792        | 2.31%           | 0.407%        |
| 25        | 7.368       | 767           | 771         | 777          | rVB2     | 71342          | 136701        | 0.66%           | 0.116%        |
| 26        | 7.433       | 777           | 782         | 784          | rBV2     | 31684          | 52160         | 0.25%           | 0.044%        |
| 27        | 7.474       | 784           | 789         | 795          | rBV2     | 124792         | 227638        | 1.09%           | 0.192%        |
| 28        | 7.539       | 795           | 800         | 805          | rBV2     | 88061          | 167322        | 0.80%           | 0.141%        |
| 29        | 7.639       | 813           | 817         | 820          | rBV3     | 53080          | 80338         | 0.39%           | 0.068%        |
| 30        | 7.686       | 820           | 825         | 839          | rVB4     | 142882         | 423679        | 2.03%           | 0.358%        |
| 31        | 7.803       | 839           | 845         | 851          | rBV      | 197015         | 374993        | 1.80%           | 0.317%        |
| 32        | 7.868       | 851           | 856         | 862          | rVB      | 119880         | 232936        | 1.12%           | 0.197%        |
| 33        | 7.938       | 862           | 868         | 869          | rBV2     | 26068          | 43365         | 0.21%           | 0.037%        |
| 34        | 7.973       | 871           | 874         | 880          | rVB4     | 47439          | 76010         | 0.36%           | 0.064%        |

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 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

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 BNA\_G  
 ClientSampleId :  
 JHGG5

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 Stop Thrs : 0

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 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-BG052116.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 8.120  | 881  | 899  | 903  | rBV3  | 321312  | 996200  | 4.78%  | 0.842% |
| 36 | 8.220  | 911  | 916  | 921  | rVB4  | 56823   | 116866  | 0.56%  | 0.099% |
| 37 | 8.279  | 921  | 926  | 930  | rBV3  | 87920   | 199850  | 0.96%  | 0.169% |
| 38 | 8.338  | 931  | 936  | 941  | rVV3  | 146588  | 313157  | 1.50%  | 0.265% |
| 39 | 8.397  | 942  | 946  | 949  | rVV4  | 64267   | 136803  | 0.66%  | 0.116% |
| 40 | 8.438  | 949  | 953  | 959  | rVV2  | 110319  | 213085  | 1.02%  | 0.180% |
| 41 | 8.496  | 960  | 963  | 972  | rVB3  | 60513   | 125204  | 0.60%  | 0.106% |
| 42 | 8.679  | 985  | 994  | 995  | rBV4  | 132075  | 266268  | 1.28%  | 0.225% |
| 43 | 8.802  | 1009 | 1015 | 1020 | rBV6  | 133357  | 296610  | 1.42%  | 0.251% |
| 44 | 8.861  | 1020 | 1025 | 1029 | rVV   | 132548  | 229769  | 1.10%  | 0.194% |
| 45 | 8.914  | 1030 | 1034 | 1043 | rVV7  | 78145   | 213144  | 1.02%  | 0.180% |
| 46 | 9.002  | 1043 | 1049 | 1064 | rVB3  | 392378  | 1105274 | 5.30%  | 0.934% |
| 47 | 9.160  | 1064 | 1076 | 1083 | rVB10 | 122929  | 469571  | 2.25%  | 0.397% |
| 48 | 9.266  | 1083 | 1094 | 1100 | rBV3  | 432413  | 1204318 | 5.78%  | 1.018% |
| 49 | 9.360  | 1102 | 1110 | 1117 | rVB4  | 235243  | 628917  | 3.02%  | 0.531% |
| 50 | 9.425  | 1117 | 1121 | 1124 | rBV4  | 56326   | 74436   | 0.36%  | 0.063% |
| 51 | 9.478  | 1124 | 1130 | 1133 | rBV3  | 225171  | 482110  | 2.31%  | 0.407% |
| 52 | 9.630  | 1145 | 1156 | 1162 | rBV6  | 192471  | 578037  | 2.77%  | 0.488% |
| 53 | 9.713  | 1163 | 1170 | 1172 | rBV4  | 117426  | 262643  | 1.26%  | 0.222% |
| 54 | 9.795  | 1179 | 1184 | 1190 | rVB4  | 260913  | 472472  | 2.27%  | 0.399% |
| 55 | 9.895  | 1190 | 1201 | 1211 | rVB4  | 704550  | 1869734 | 8.97%  | 1.580% |
| 56 | 10.053 | 1217 | 1228 | 1230 | rBV8  | 177059  | 537810  | 2.58%  | 0.454% |
| 57 | 10.089 | 1231 | 1234 | 1239 | rVB2  | 240595  | 369881  | 1.78%  | 0.313% |
| 58 | 10.153 | 1239 | 1245 | 1251 | rBV2  | 864667  | 1738886 | 8.34%  | 1.469% |
| 59 | 10.300 | 1266 | 1270 | 1277 | rVB5  | 256460  | 544786  | 2.61%  | 0.460% |
| 60 | 10.377 | 1278 | 1283 | 1288 | rBV5  | 189084  | 454750  | 2.18%  | 0.384% |
| 61 | 10.553 | 1308 | 1313 | 1318 | rBV7  | 179903  | 466256  | 2.24%  | 0.394% |
| 62 | 10.688 | 1329 | 1336 | 1342 | rBV3  | 375567  | 913916  | 4.39%  | 0.772% |
| 63 | 10.758 | 1342 | 1348 | 1355 | rBV   | 295620  | 711175  | 3.41%  | 0.601% |
| 64 | 10.829 | 1357 | 1360 | 1362 | rBV3  | 112844  | 141065  | 0.68%  | 0.119% |
| 65 | 10.946 | 1373 | 1380 | 1383 | rBV5  | 500510  | 1150319 | 5.52%  | 0.972% |
| 66 | 10.993 | 1384 | 1388 | 1393 | rVB3  | 557818  | 1005445 | 4.83%  | 0.850% |
| 67 | 11.123 | 1404 | 1410 | 1416 | rVB   | 1251249 | 2676873 | 12.85% | 2.262% |
| 68 | 11.193 | 1416 | 1422 | 1427 | rBV5  | 372640  | 872817  | 4.19%  | 0.738% |
| 69 | 11.399 | 1453 | 1457 | 1463 | rVV3  | 255856  | 436733  | 2.10%  | 0.369% |
| 70 | 11.469 | 1465 | 1469 | 1474 | rVB3  | 386056  | 708680  | 3.40%  | 0.599% |
| 71 | 11.675 | 1494 | 1504 | 1510 | rBV5  | 766893  | 2479419 | 11.90% | 2.095% |

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|----|--------|------|------|------|------|---------|----------|---------|---------|
| 72 | 11.804 | 1521 | 1526 | 1532 | rVB2 | 688737  | 1274338  | 6.12%   | 1.077%  |
| 73 | 11.992 | 1551 | 1558 | 1562 | rBV  | 2490493 | 4559593  | 21.88%  | 3.853%  |
| 74 | 13.009 | 1726 | 1731 | 1736 | rBV3 | 963060  | 1918654  | 9.21%   | 1.621%  |
| 75 | 13.332 | 1779 | 1786 | 1791 | rVB  | 4104312 | 7413645  | 35.58%  | 6.265%  |
| 76 | 13.602 | 1827 | 1832 | 1835 | rBV5 | 698077  | 1571093  | 7.54%   | 1.328%  |
| 77 | 14.231 | 1935 | 1939 | 1941 | rBV2 | 798037  | 1352266  | 6.49%   | 1.143%  |
| 78 | 14.278 | 1941 | 1947 | 1951 | rVB2 | 5569995 | 9881434  | 47.42%  | 8.350%  |
| 79 | 14.630 | 2003 | 2007 | 2012 | rVB2 | 1356775 | 2327226  | 11.17%  | 1.967%  |
| 80 | 14.760 | 2025 | 2029 | 2033 | rBV3 | 1119877 | 2270165  | 10.89%  | 1.918%  |
| 81 | 15.183 | 2098 | 2101 | 2107 | rVB3 | 1201232 | 1740692  | 8.35%   | 1.471%  |
| 82 | 15.306 | 2118 | 2122 | 2128 | rVB3 | 1413450 | 2612191  | 12.54%  | 2.207%  |
| 83 | 15.682 | 2182 | 2186 | 2190 | rVB3 | 881064  | 1521744  | 7.30%   | 1.286%  |
| 84 | 16.041 | 2241 | 2247 | 2254 | rVB  | 5223496 | 10025913 | 48.11%  | 8.472%  |
| 85 | 16.252 | 2280 | 2283 | 2287 | rVB  | 963219  | 1332582  | 6.40%   | 1.126%  |
| 86 | 16.534 | 2322 | 2331 | 2335 | rBV  | 9588493 | 20837706 | 100.00% | 17.609% |
| 87 | 17.339 | 2461 | 2468 | 2472 | rBV  | 5566398 | 9885902  | 47.44%  | 8.354%  |
| 88 | 17.938 | 2566 | 2570 | 2578 | rVB  | 1399026 | 2272328  | 10.90%  | 1.920%  |
| 89 | 19.918 | 2903 | 2907 | 2919 | rVB2 | 436531  | 909366   | 4.36%   | 0.768%  |
| 90 | 21.810 | 3224 | 3229 | 3240 | rVB2 | 289351  | 561742   | 2.70%   | 0.475%  |
| 91 | 23.085 | 3441 | 3446 | 3456 | rVB3 | 21481   | 45582    | 0.22%   | 0.039%  |
| 92 | 24.912 | 3746 | 3757 | 3771 | rVB3 | 187787  | 591314   | 2.84%   | 0.500%  |
| 93 | 25.142 | 3785 | 3796 | 3810 | rVB3 | 195130  | 621079   | 2.98%   | 0.525%  |

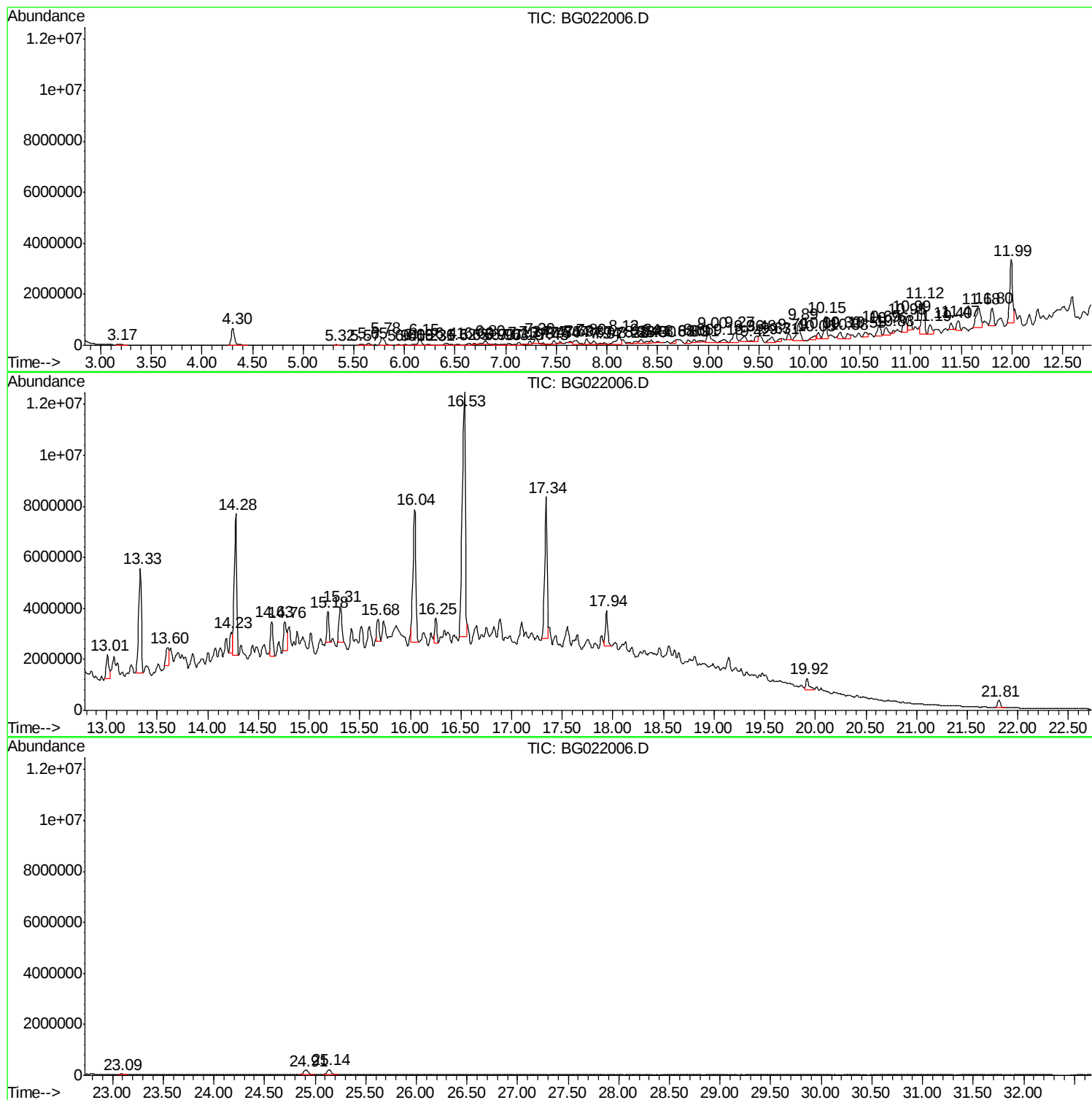
Sum of corrected areas: 118338603

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ALS Vial : 29 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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



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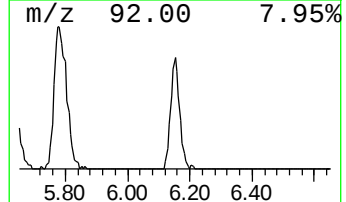
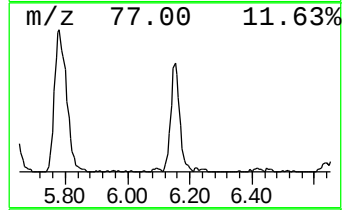
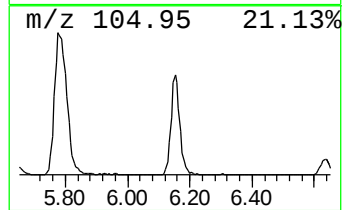
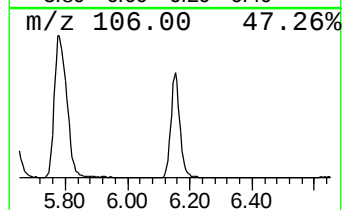
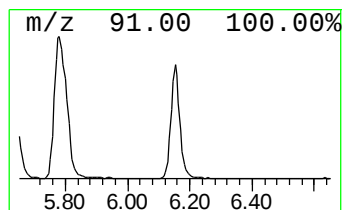
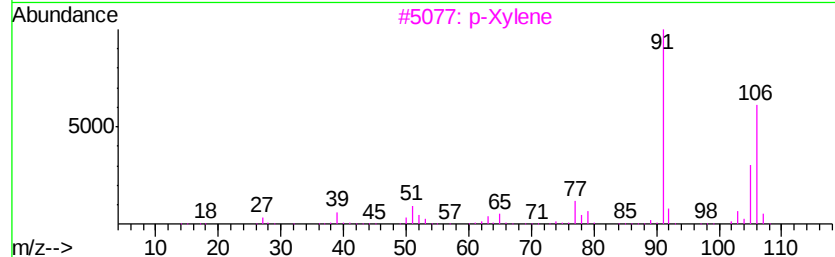
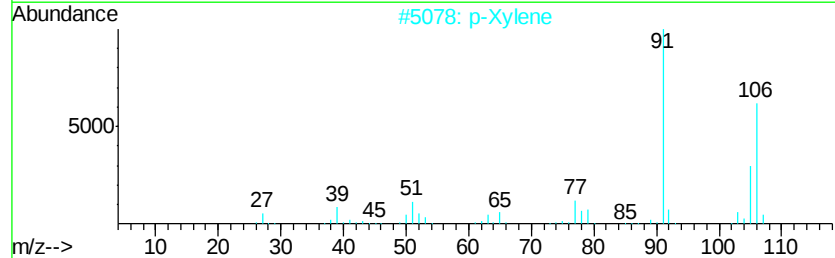
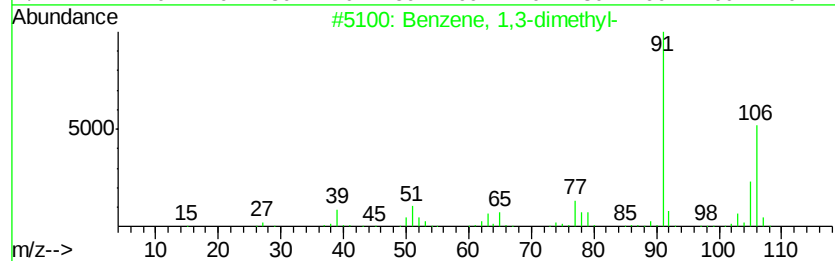
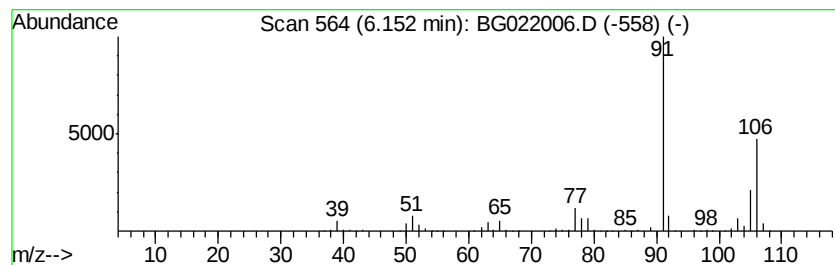
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 26

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.15 | 9.56 ng/ul | 476091 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 2    |    | p-Xylene               | 106 | C8H10   | 000106-42-3 | 97   |
| 3    |    | p-Xylene               | 106 | C8H10   | 000106-42-3 | 97   |
| 4    |    | o-Xylene               | 106 | C8H10   | 000095-47-6 | 97   |
| 5    |    | o-Xylene               | 106 | C8H10   | 000095-47-6 | 95   |



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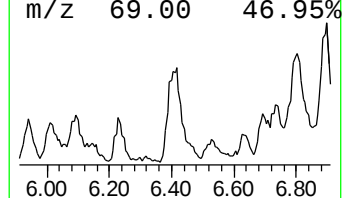
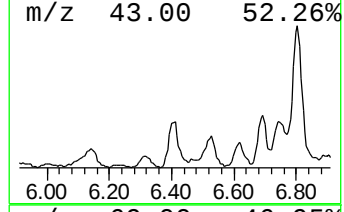
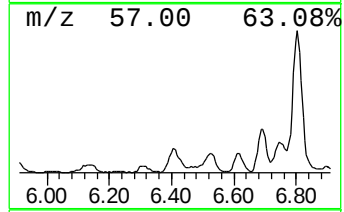
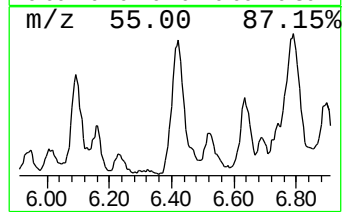
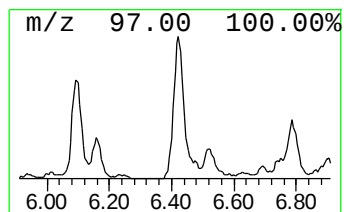
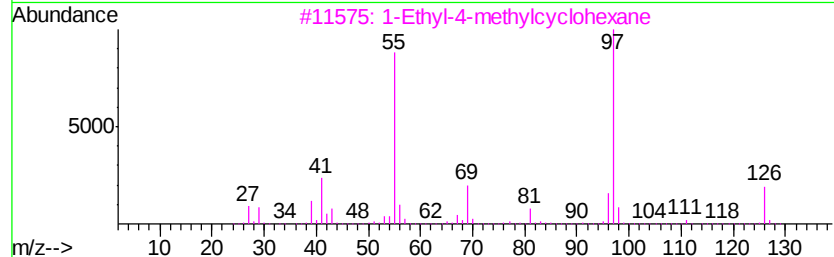
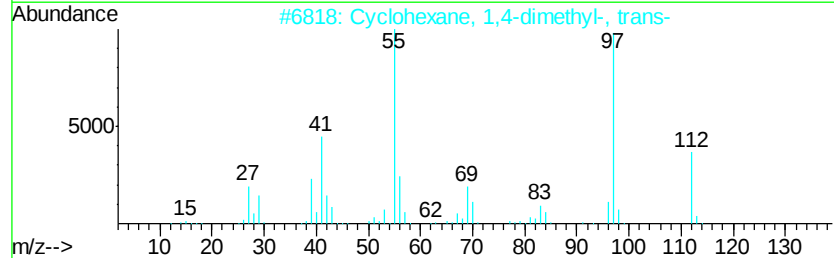
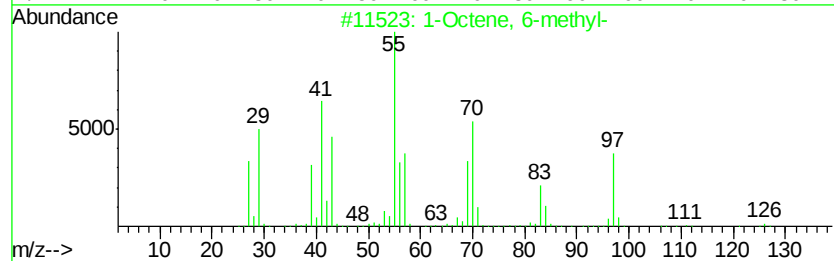
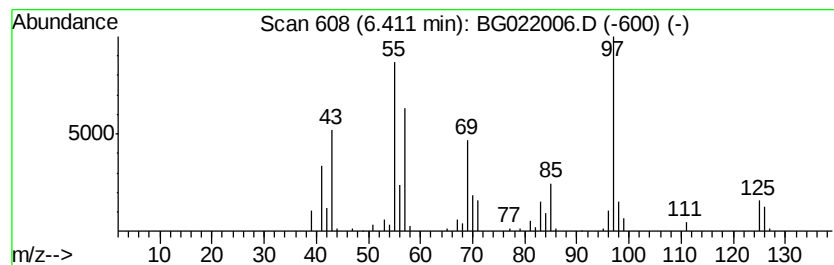
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic6.41 Concentration Rank 37

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.41 | 5.21 ng/ul | 259646 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 1-Octene, 6-methyl-                 | 126 | C9H18   | 013151-10-5 | 68   |
| 2       |   | Cyclohexane, 1,4-dimethyl-, trans-  | 112 | C8H16   | 002207-04-7 | 59   |
| 3       |   | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 58   |
| 4       |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-78-8 | 58   |
| 5       |   | 2-Pyrazoline, 5-ethyl-1,4-dimethyl- | 126 | C7H14N2 | 014339-23-2 | 43   |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

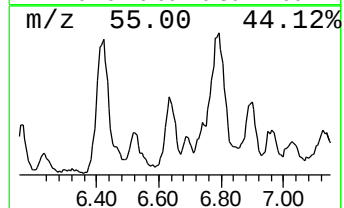
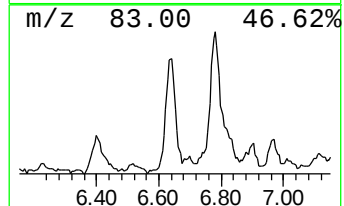
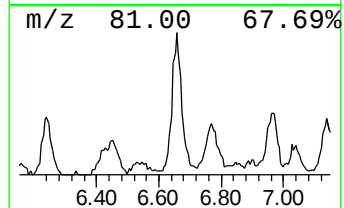
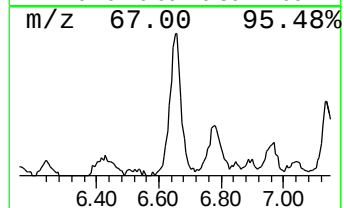
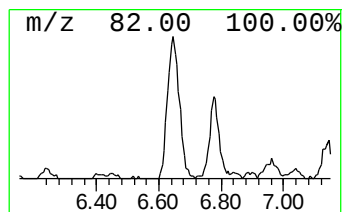
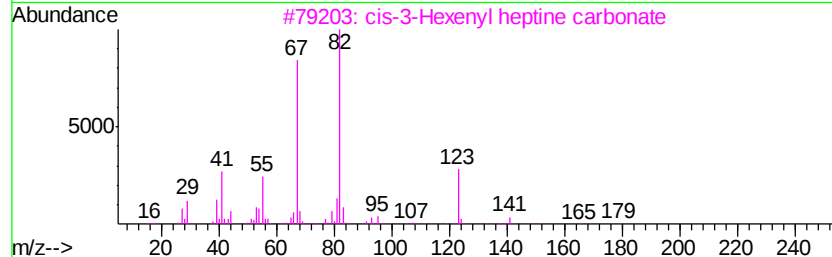
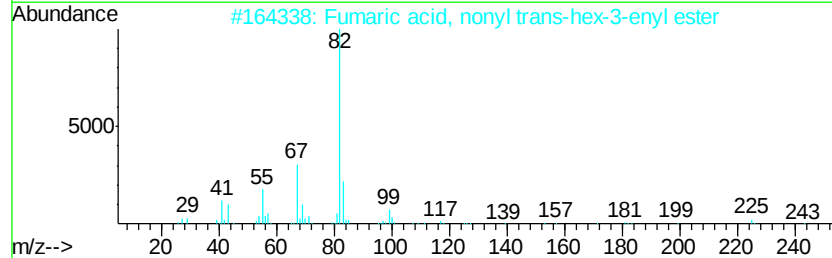
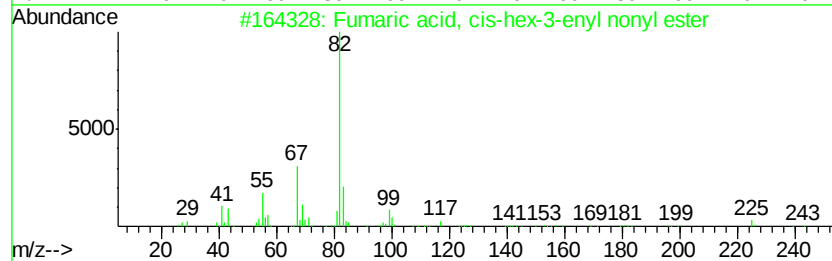
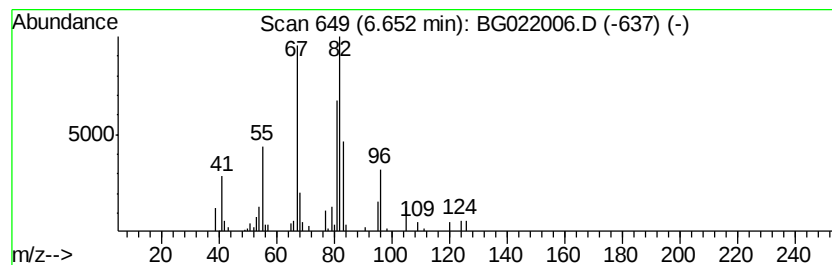
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Fumaric acid, cis-hex-3-eny... Concentration Rank 45

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.65 | 3.56 ng/ul | 177532 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Fumaric acid, cis-hex-3-enyl non... | 324 | C19H32O4 | 1000348-86-5 | 50   |
| 2    |    | Fumaric acid, nonyl trans-hex-3-... | 324 | C19H32O4 | 1000348-88-9 | 50   |
| 3    |    | cis-3-Hexenyl heptene carbonate     | 222 | C14H22O2 | 068698-58-8  | 47   |
| 4    |    | 3-Hexyne                            | 82  | C6H10    | 000928-49-4  | 47   |
| 5    |    | 2,4-Hexadiene                       | 82  | C6H10    | 000592-46-1  | 47   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

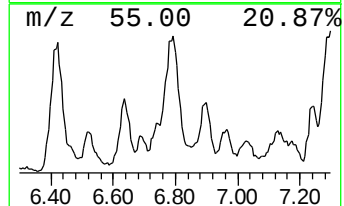
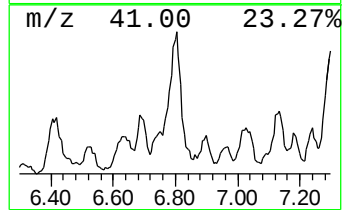
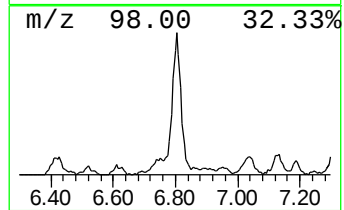
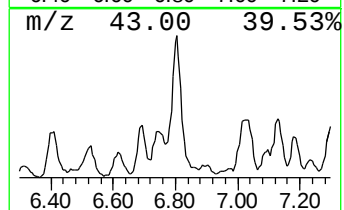
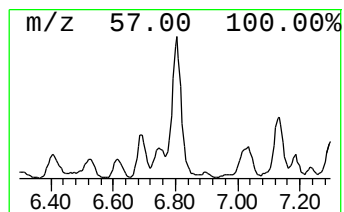
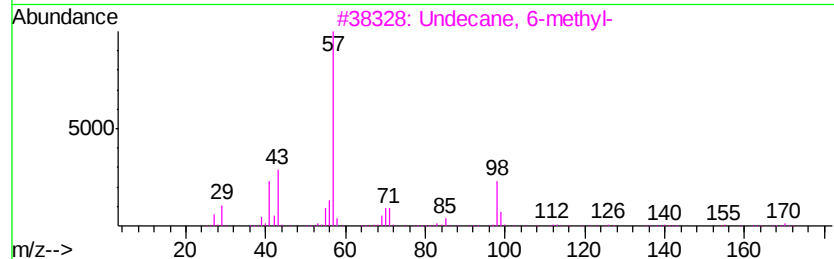
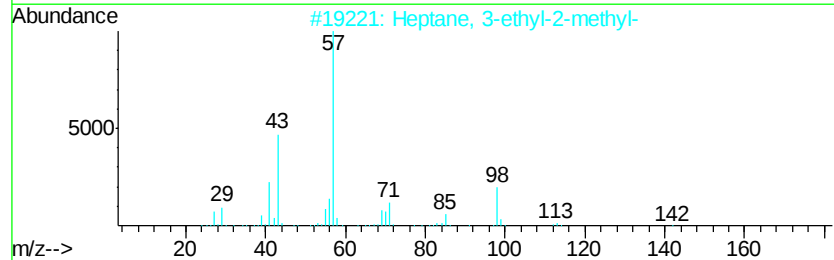
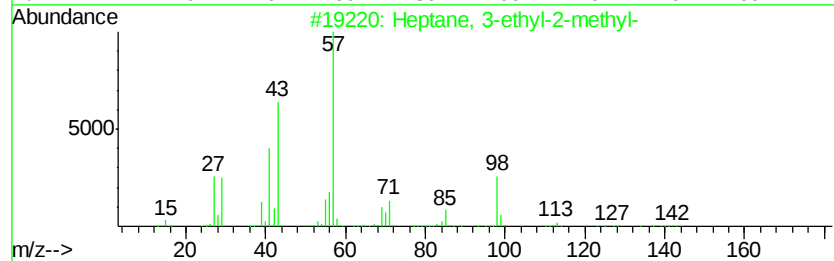
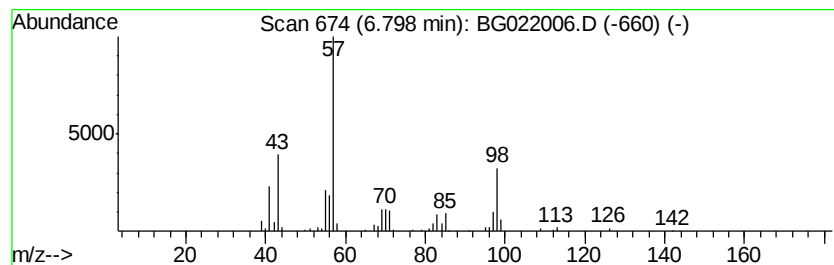
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 27

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.80 | 9.54 ng/ul | 475325 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 3-ethyl-2-methyl-  | 142 | C10H22  | 014676-29-0 | 87   |
| 2    |    |   | Heptane, 3-ethyl-2-methyl-  | 142 | C10H22  | 014676-29-0 | 64   |
| 3    |    |   | Undecane, 6-methyl-         | 170 | C12H26  | 017302-33-9 | 64   |
| 4    |    |   | Heptane, 4-(1-methylethyl)- | 142 | C10H22  | 052896-87-4 | 59   |
| 5    |    |   | 2-Decene, 5-methyl-, (Z)-   | 154 | C11H22  | 074645-86-6 | 59   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

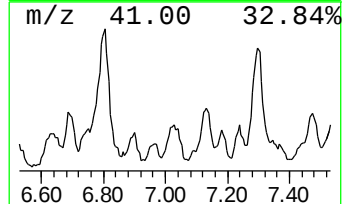
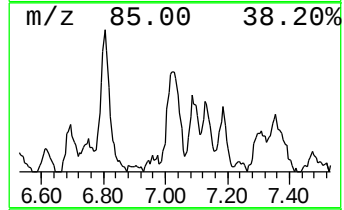
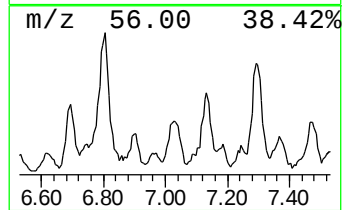
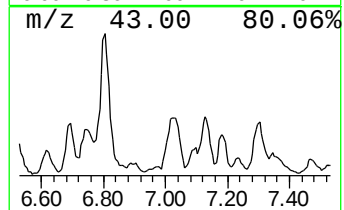
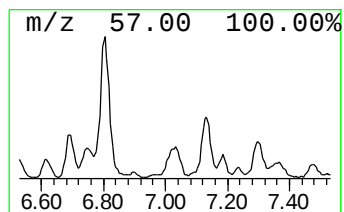
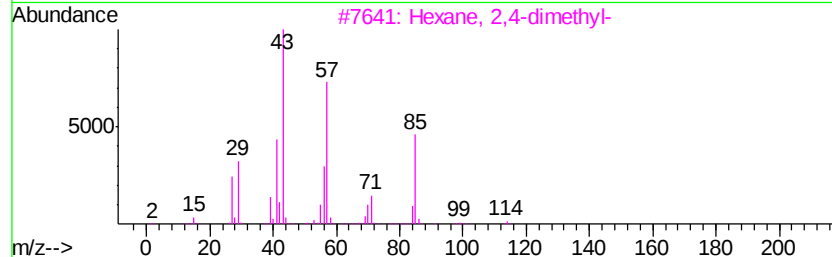
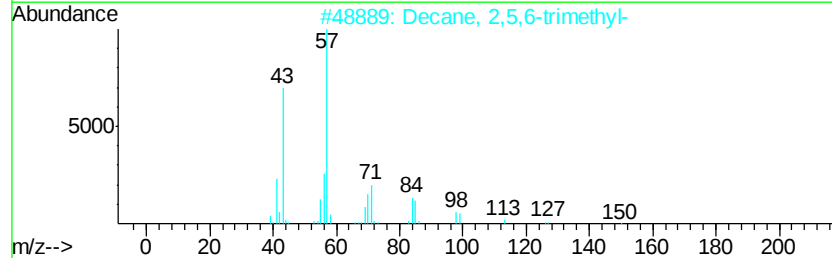
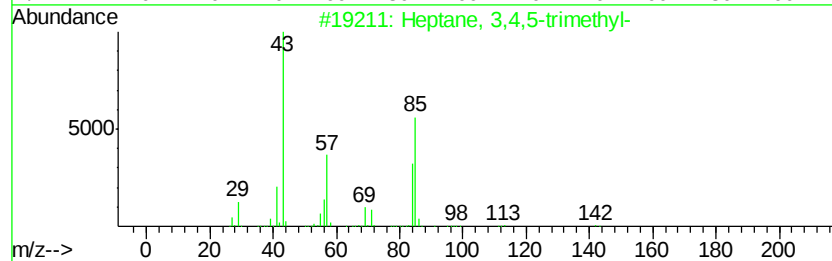
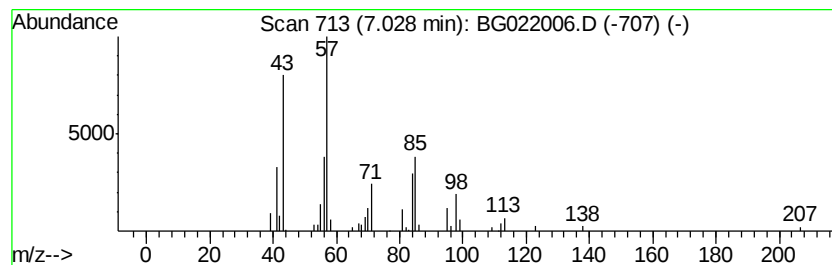
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 54

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.03 | 2.24 ng/ul | 111671 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane, 3,4,5-trimethyl- | 142 | C10H22  | 020278-89-1 | 52   |
| 2    |    | Decane, 2,5,6-trimethyl-  | 184 | C13H28  | 062108-23-0 | 47   |
| 3    |    | Hexane, 2,4-dimethyl-     | 114 | C8H18   | 000589-43-5 | 46   |
| 4    |    | Hexane, 2,4-dimethyl-     | 114 | C8H18   | 000589-43-5 | 43   |
| 5    |    | Heptane, 4-ethyl-         | 128 | C9H20   | 002216-32-2 | 43   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

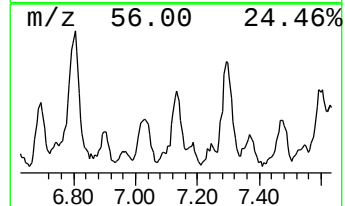
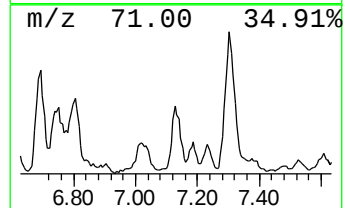
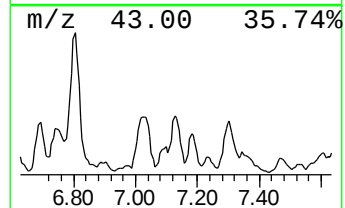
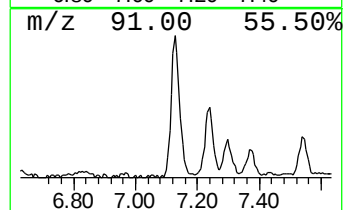
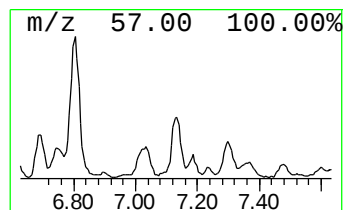
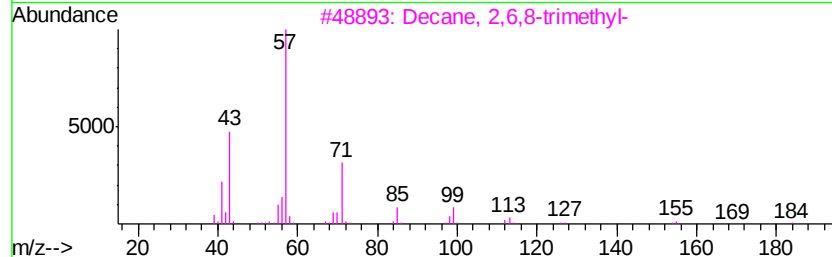
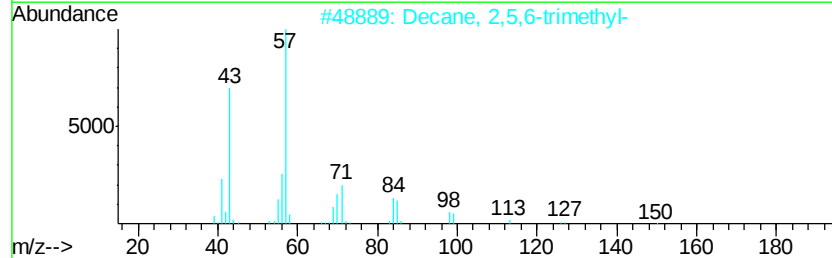
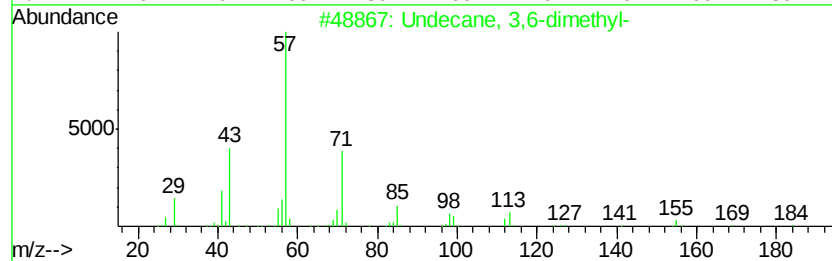
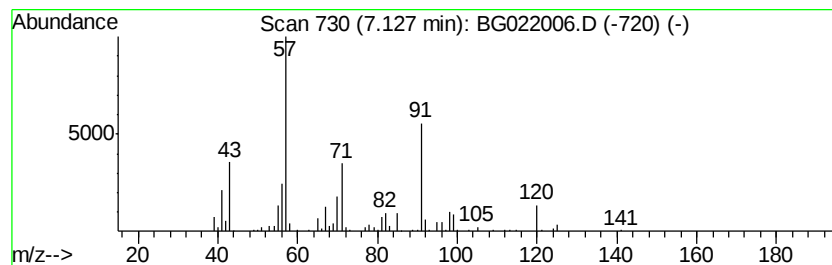
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 41

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.13 | 4.41 ng/ul | 219631 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 3,6-dimethyl-  | 184 | C13H28  | 017301-28-9 | 50   |
| 2    |    |   | Decane, 2,5,6-trimethyl- | 184 | C13H28  | 062108-23-0 | 47   |
| 3    |    |   | Decane, 2,6,8-trimethyl- | 184 | C13H28  | 062108-26-3 | 47   |
| 4    |    |   | Decane, 2,6,6-trimethyl- | 184 | C13H28  | 062108-24-1 | 47   |
| 5    |    |   | Dodecane, 6-methyl-      | 184 | C13H28  | 006044-71-9 | 47   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleID :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

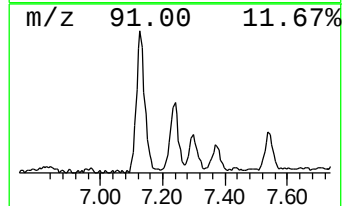
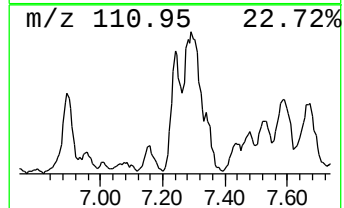
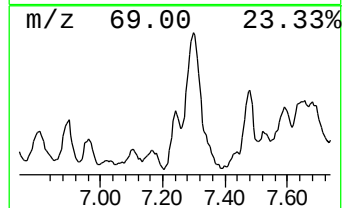
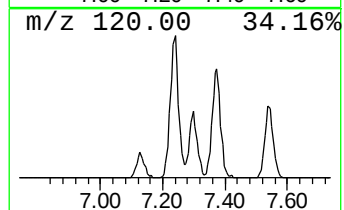
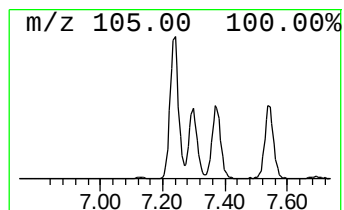
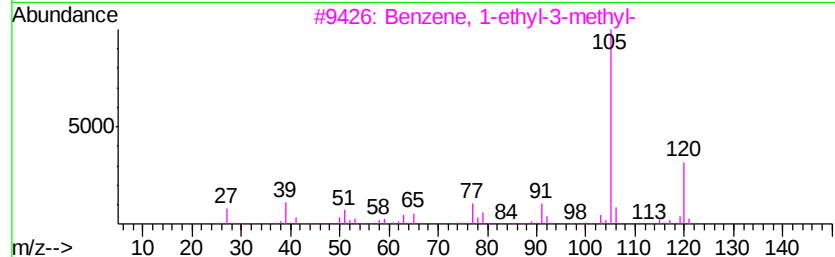
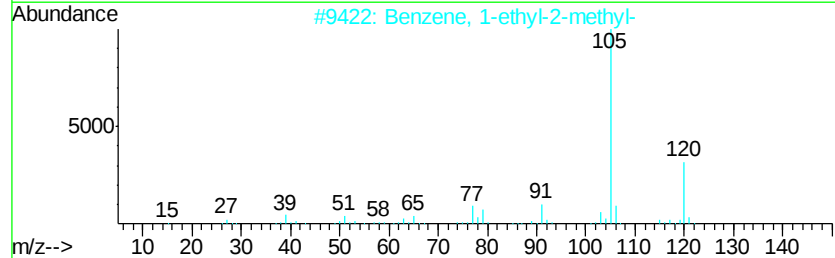
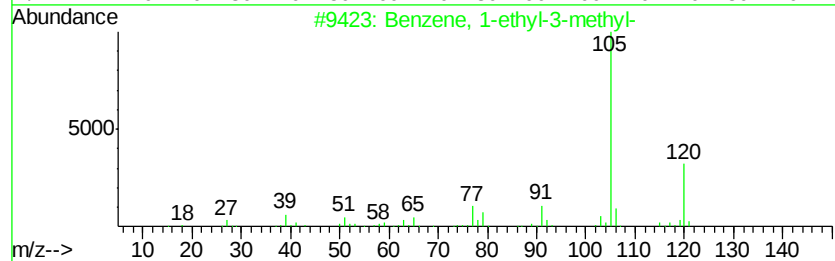
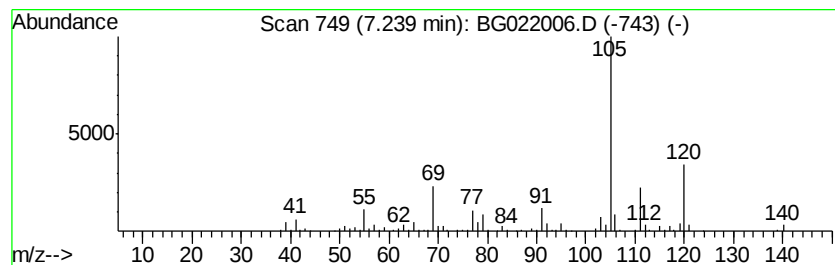
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 38

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.24 | 5.21 ng/ul | 259493 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 70   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

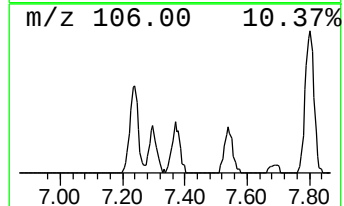
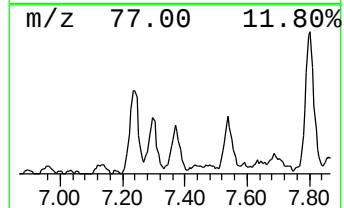
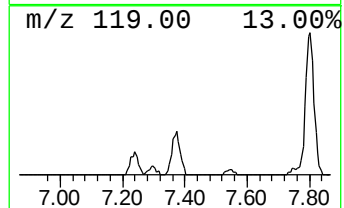
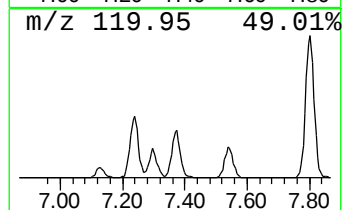
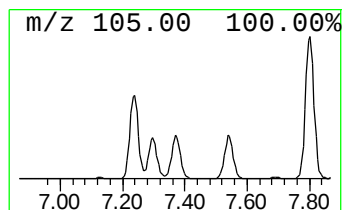
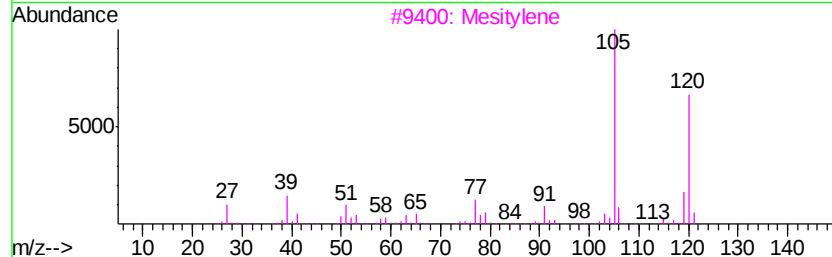
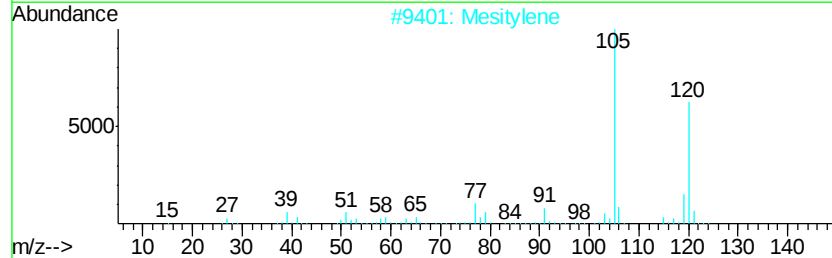
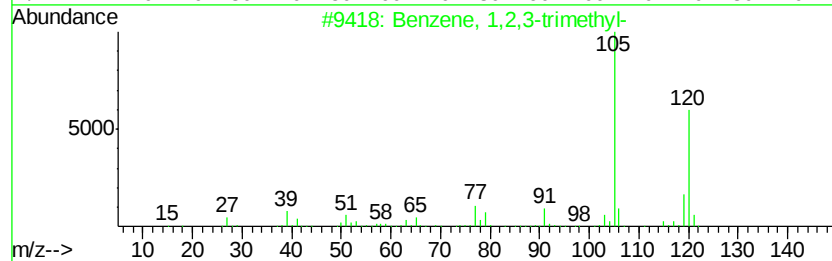
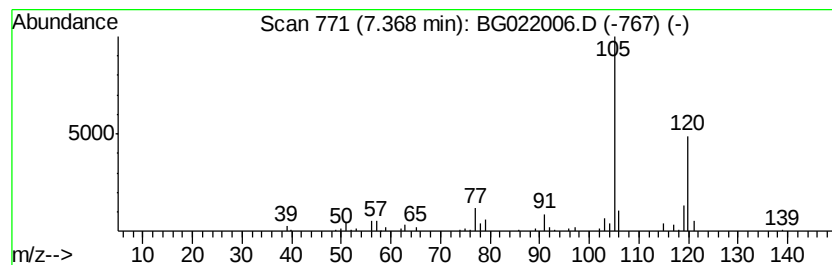
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 49

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.37 | 2.74 ng/ul | 136701 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 94   |
| 3    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 94   |
| 4    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 93   |
| 5    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHGG5

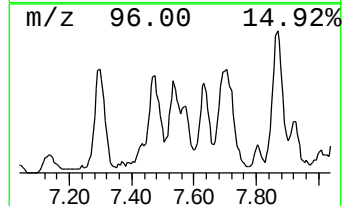
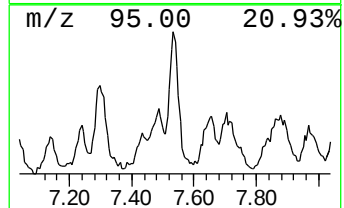
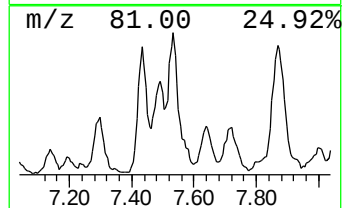
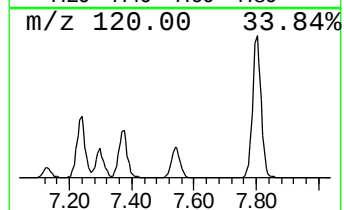
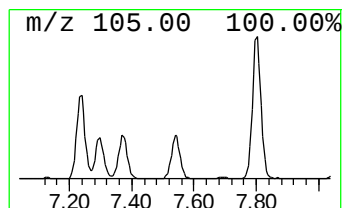
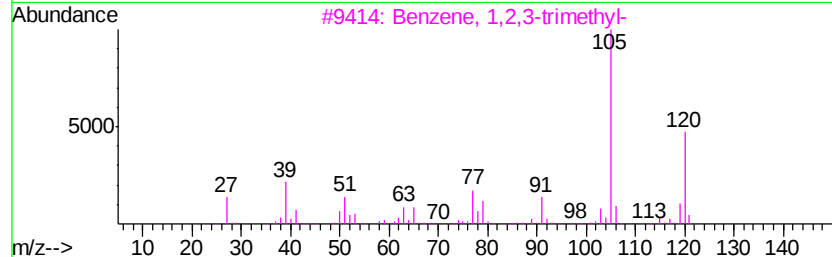
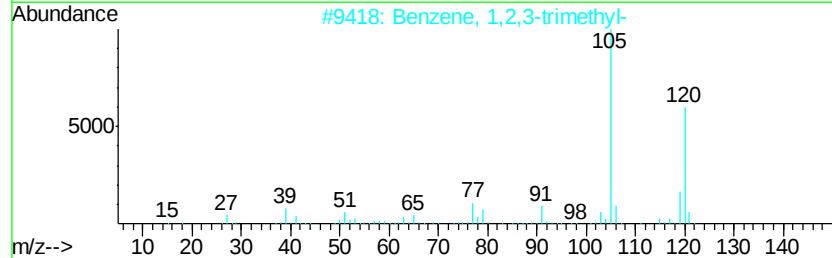
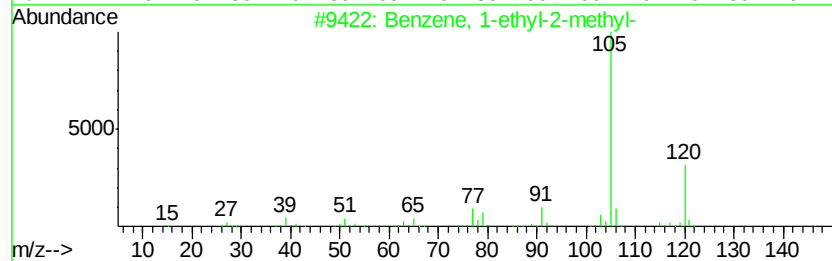
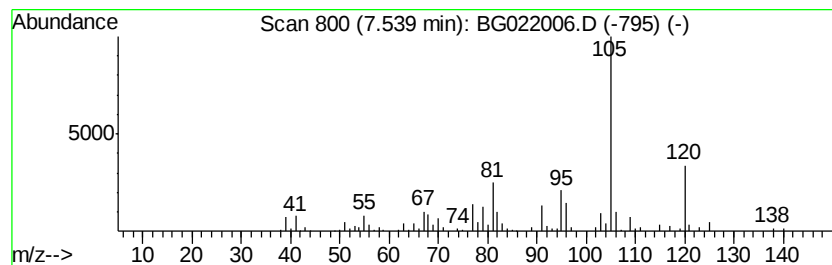
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 46

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.54 | 3.36 ng/ul | 167322 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 91   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 64   |
| 3    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 64   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 64   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 64   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

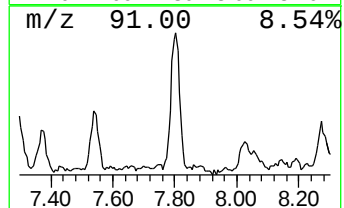
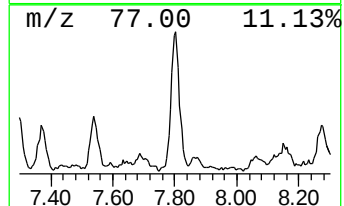
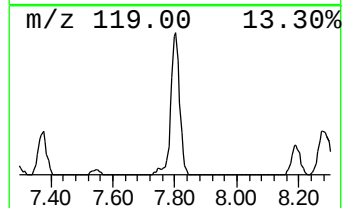
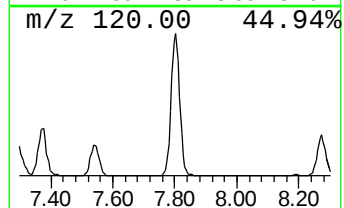
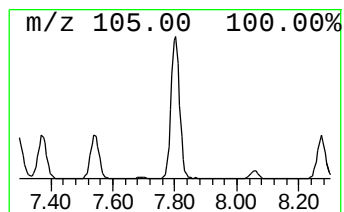
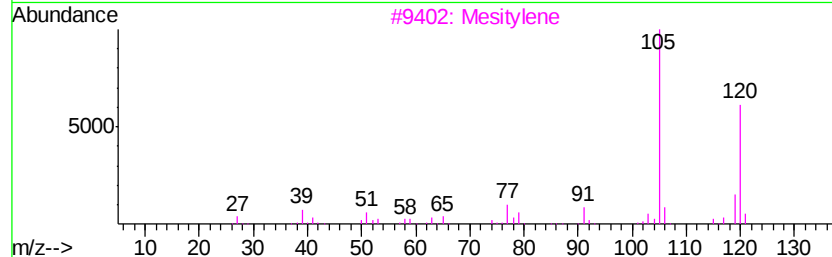
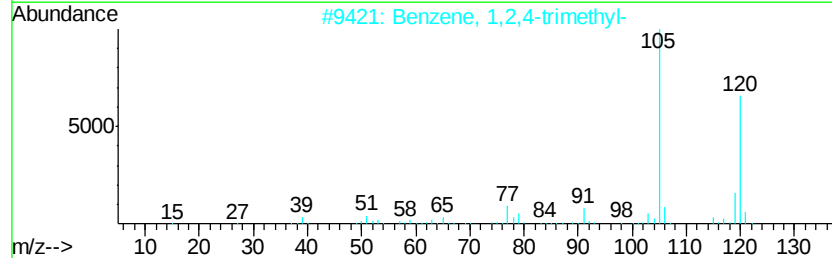
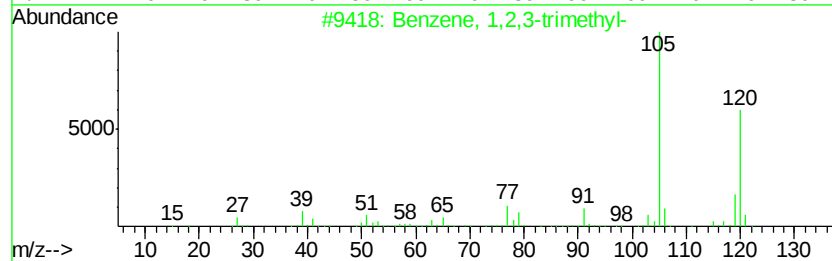
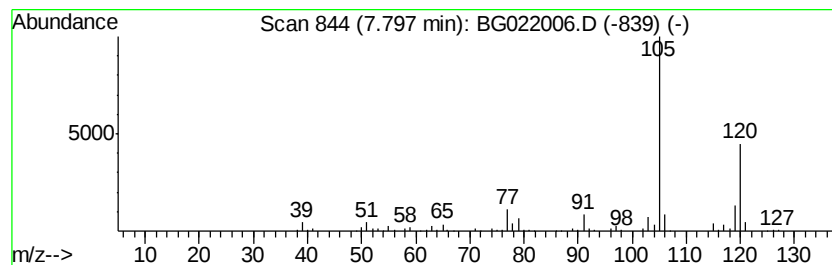
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 32

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.80 | 7.53 ng/ul | 374993 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 3    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 95   |
| 4    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 5    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 94   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

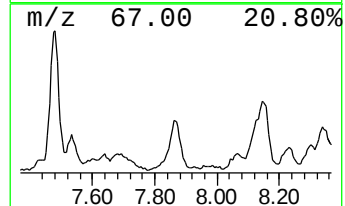
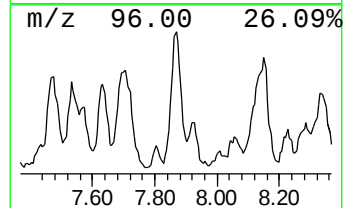
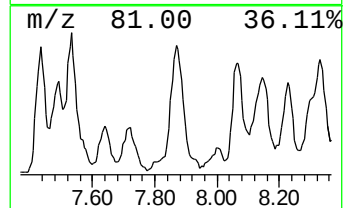
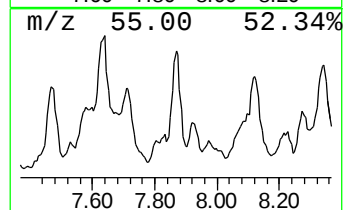
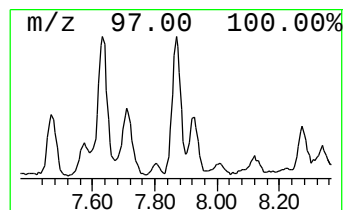
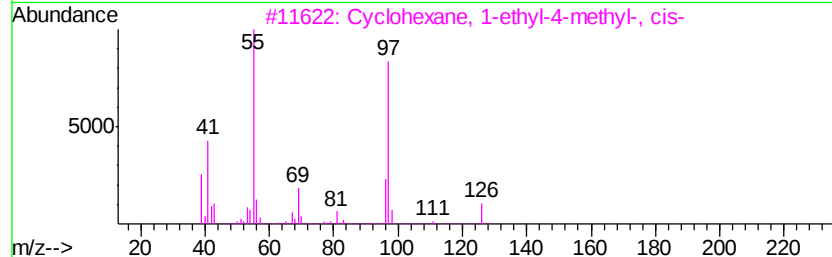
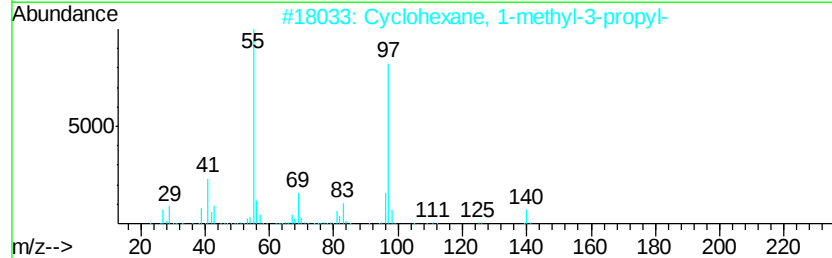
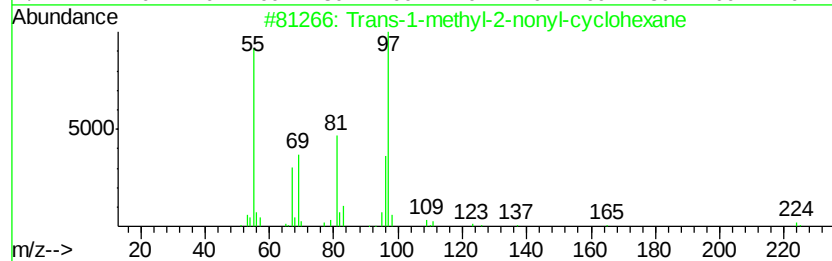
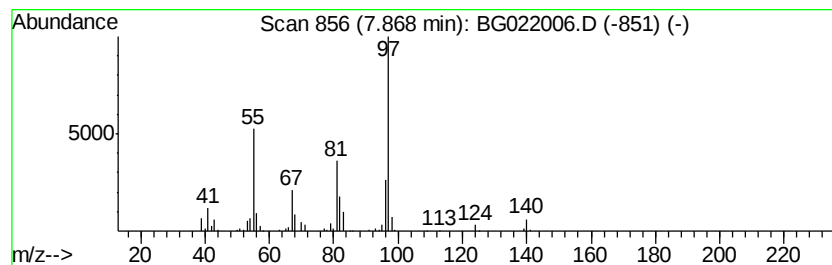
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 (DEL) Alkane: Cyclic7.87 Concentration Rank 39

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.87 | 4.68 ng/ul | 232936 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Trans-1-methyl-2-nonyl-cyclohexane  | 224 | C16H32  | 1000371-47-8 | 72   |
| 2    |    |   | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20  | 004291-80-9  | 64   |
| 3    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7  | 59   |
| 4    |    |   | Ethanone, 1-(1-methylcyclohexyl)-   | 140 | C9H16O  | 002890-62-2  | 58   |
| 5    |    |   | trans-2-Oxabicyclo[4.4.0]decane     | 140 | C9H16O  | 059958-46-2  | 53   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

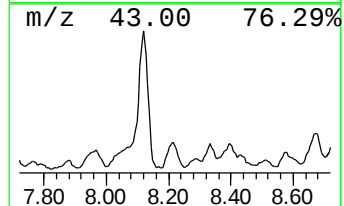
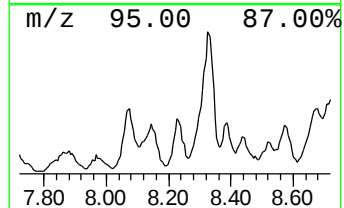
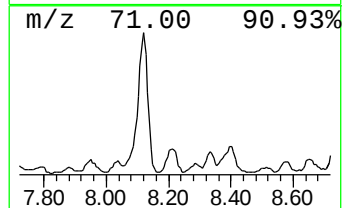
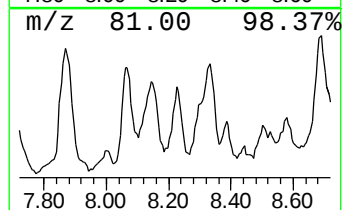
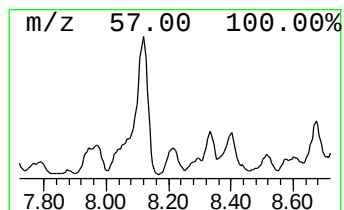
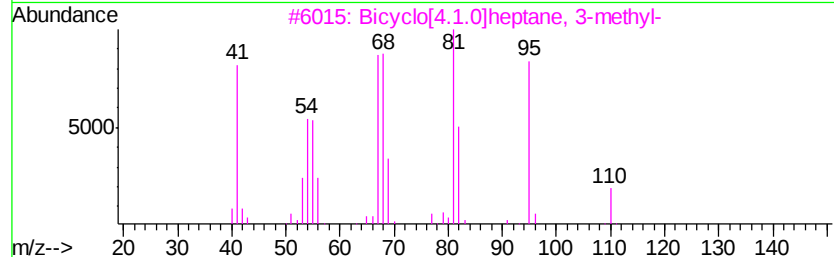
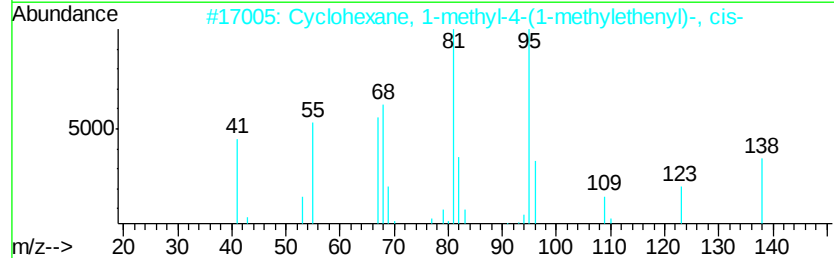
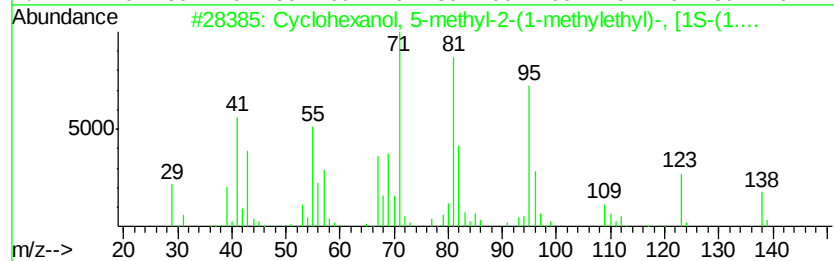
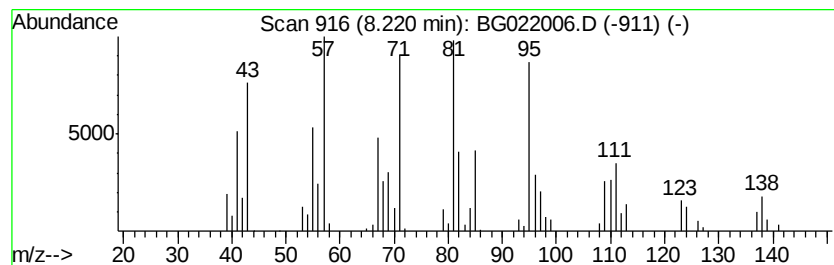
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 53

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.22 | 2.35 ng/ul | 116866 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 002216-52-6 | 64   |
| 2    |    | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18  | 001879-07-8 | 49   |
| 3    |    | Bicyclo[4.1.0]heptane, 3-methyl-    | 110 | C8H14   | 041977-47-3 | 45   |
| 4    |    | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 | C9H14O  | 000513-20-2 | 41   |
| 5    |    | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18  | 004863-59-6 | 38   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

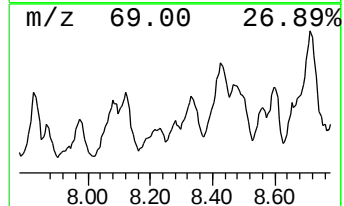
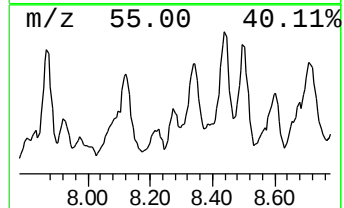
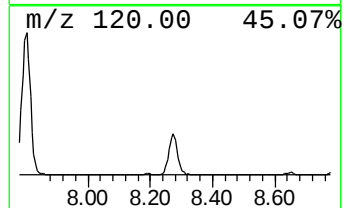
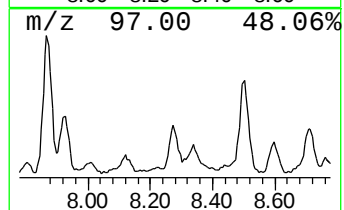
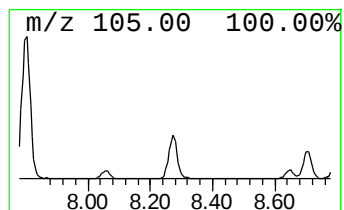
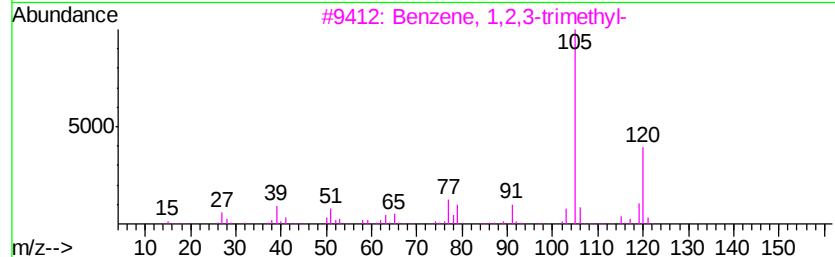
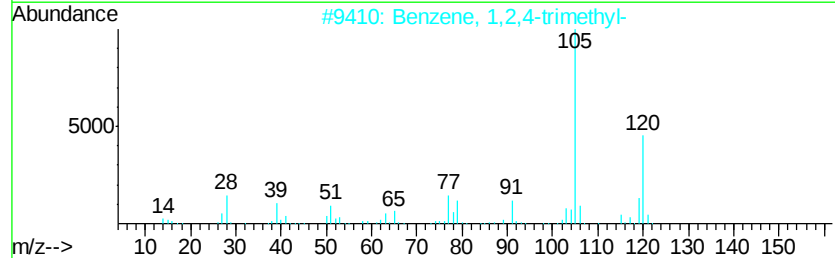
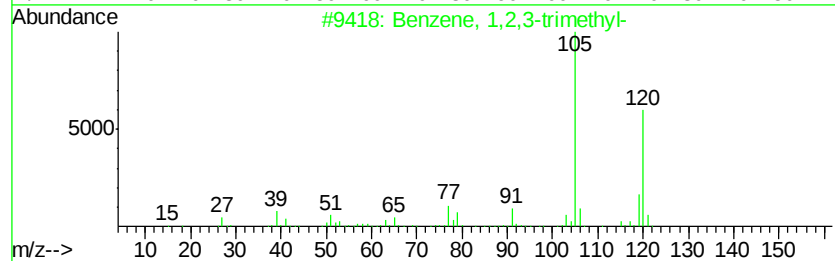
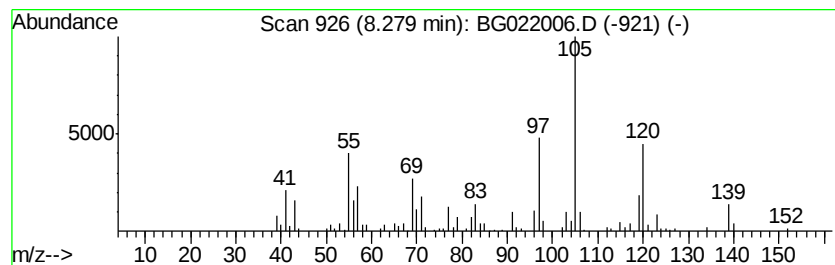
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 2,4-Nonadiyne Concentration Rank 44

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.28 | 4.01 ng/ul | 199850 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 55   |
| 2    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 55   |
| 3    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 55   |
| 4    |    |   | 2,4-Nonadiyne             | 120 | C9H12   | 063621-15-8 | 55   |
| 5    |    |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 55   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

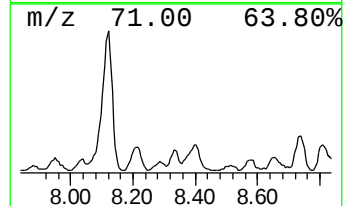
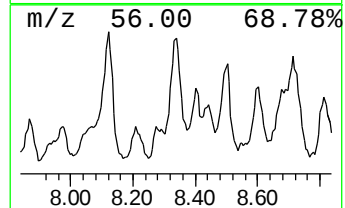
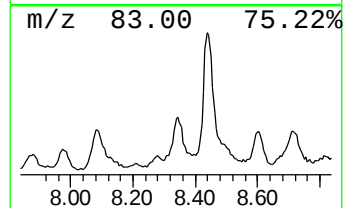
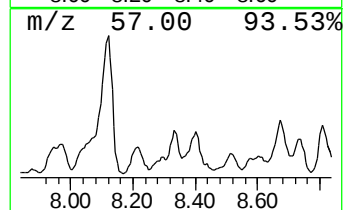
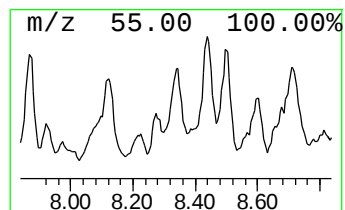
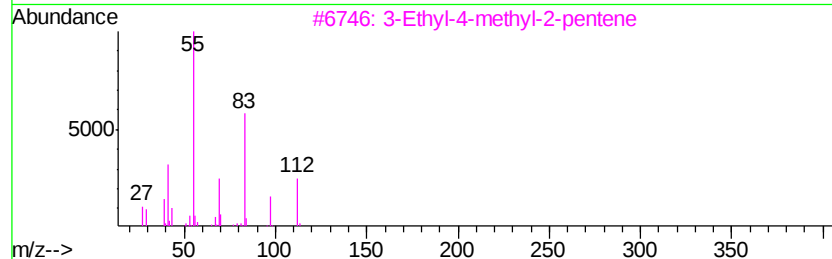
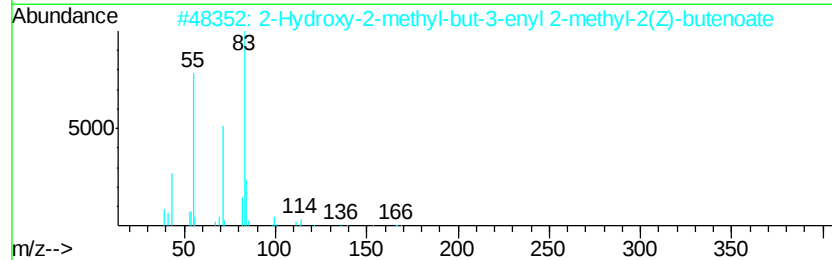
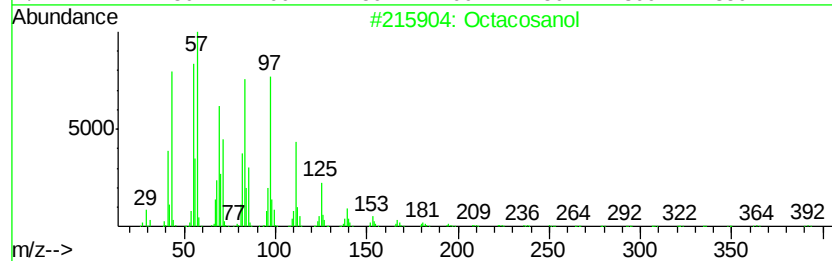
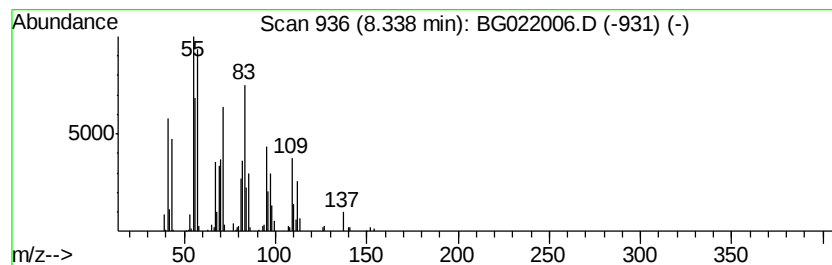
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Octacosanol Concentration Rank 33

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.34 | 6.29 ng/ul | 313157 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#        | Qual |
|------|----|--------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Octacosanol                          | 410 | C28H58O   | 000557-61-9 | 50   |
| 2    |    | 2-Hydroxy-2-methyl-but-3-enyl 2-...  | 184 | C10H16O3  | 080758-67-4 | 35   |
| 3    |    | 3-Ethyl-4-methyl-2-pentene           | 112 | C8H16     | 019780-68-8 | 30   |
| 4    |    | Bis(2-ethylhexyl) hydrogen phosph... | 306 | C16H35O3P | 003658-48-8 | 27   |
| 5    |    | trans-1-Butyl-2-methylcyclopropane   | 112 | C8H16     | 038851-70-6 | 25   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

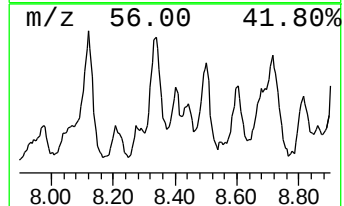
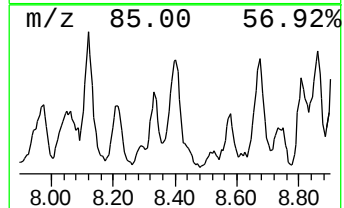
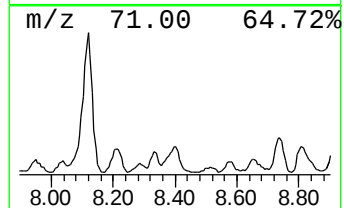
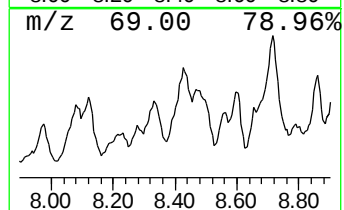
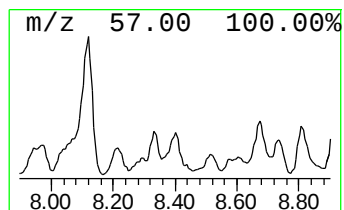
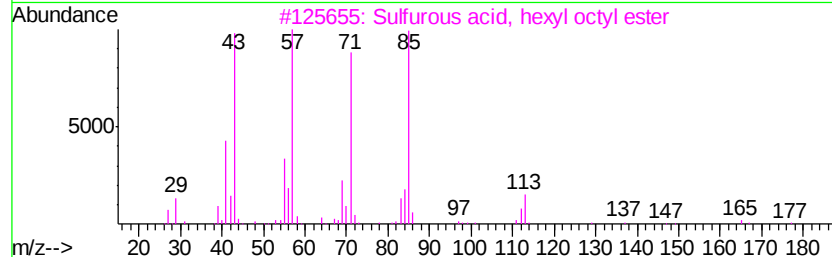
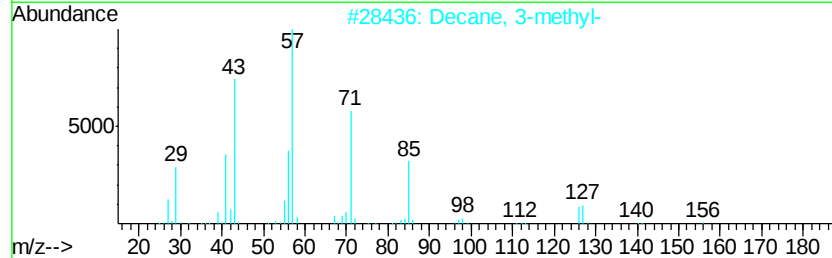
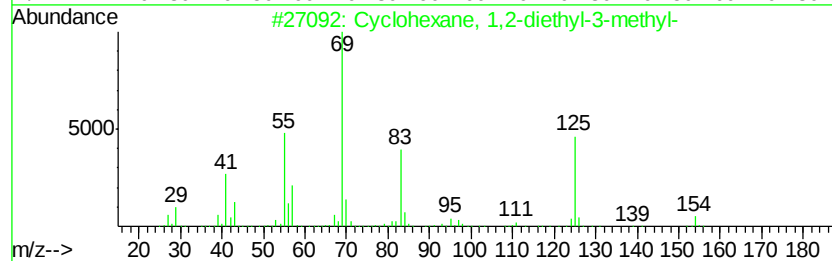
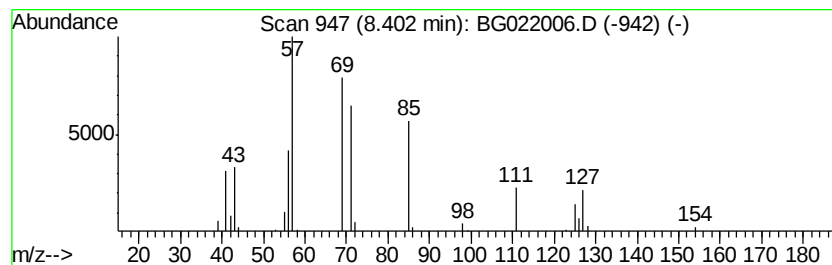
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 (DEL) Alkane: Cyclic8.40 Concentration Rank 48

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.40 | 2.75 ng/ul | 136803 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexane, 1,2-diethyl-3-methyl- | 154 | C11H22    | 061141-80-8  | 35   |
| 2    |    | Decane, 3-methyl-                  | 156 | C11H24    | 013151-34-3  | 32   |
| 3    |    | Sulfurous acid, hexyl octyl ester  | 278 | C14H30O3S | 1000309-13-0 | 27   |
| 4    |    | 1-Butanol, 3,3-dimethyl-           | 102 | C6H14O    | 000624-95-3  | 25   |
| 5    |    | Nonane, 5-methyl-5-propyl-         | 184 | C13H28    | 017312-75-3  | 25   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

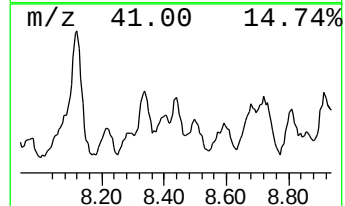
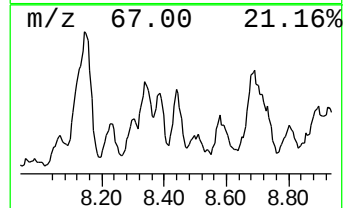
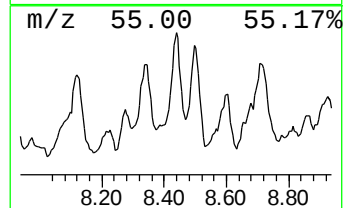
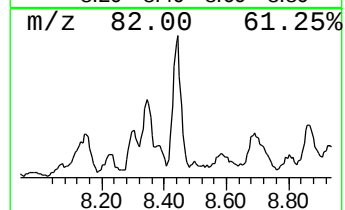
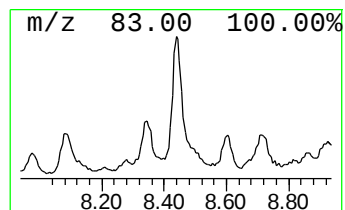
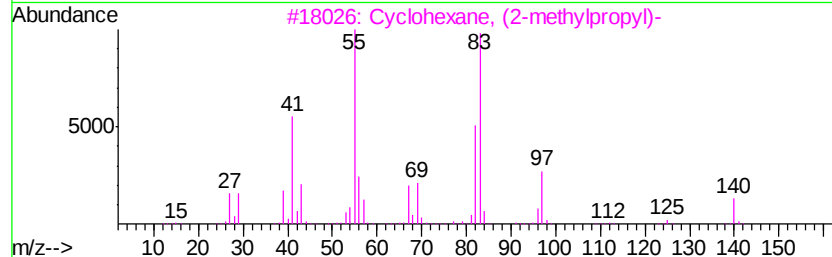
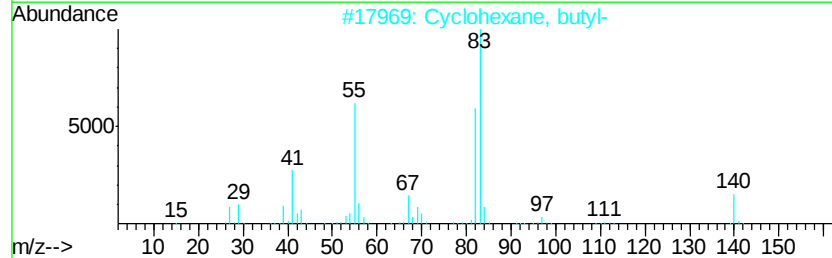
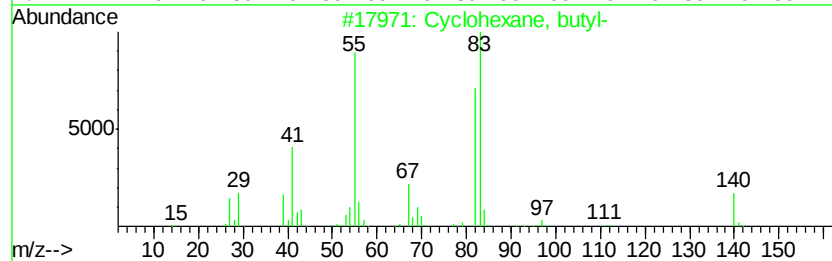
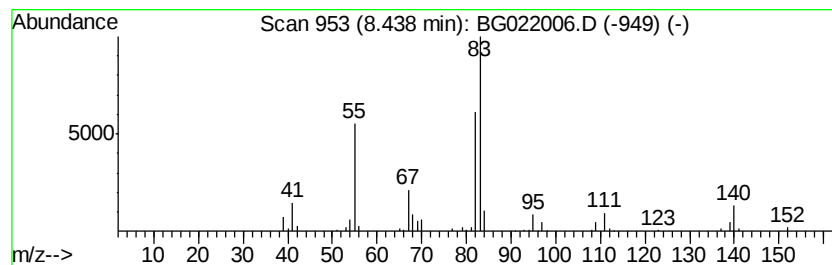
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 (DEL) Alkane: Cyclic8.44 Concentration Rank 43

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.44 | 4.28 ng/ul | 213085 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 80   |
| 2    |    | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 74   |
| 3    |    | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 72   |
| 4    |    | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 72   |
| 5    |    | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 72   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

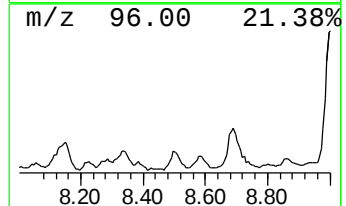
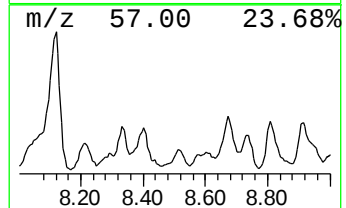
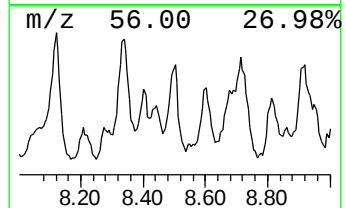
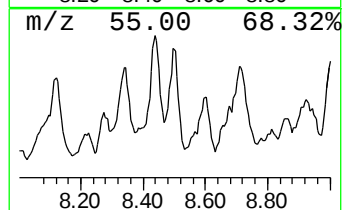
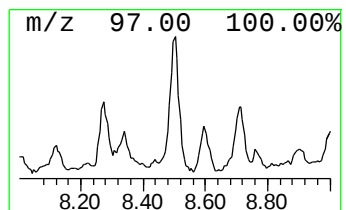
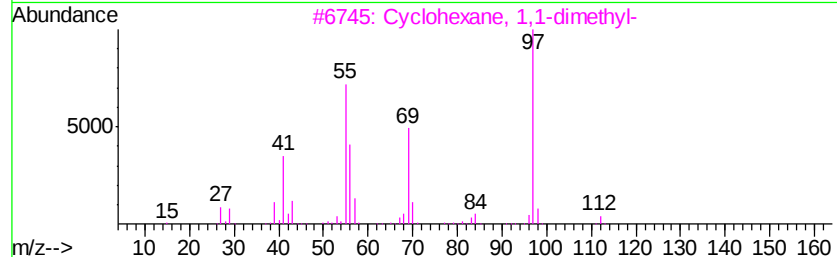
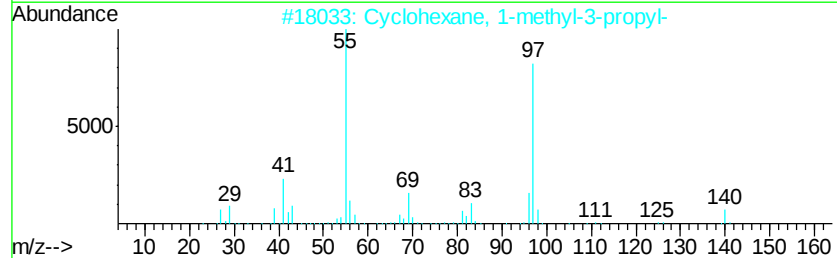
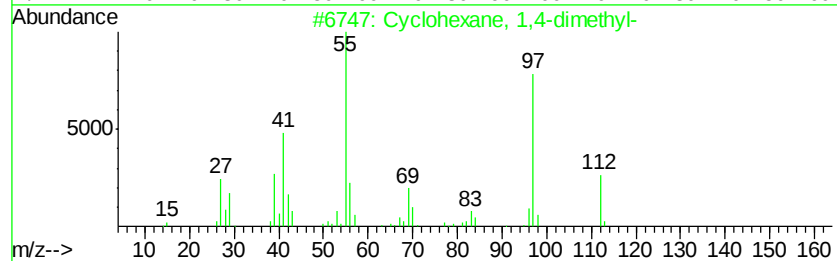
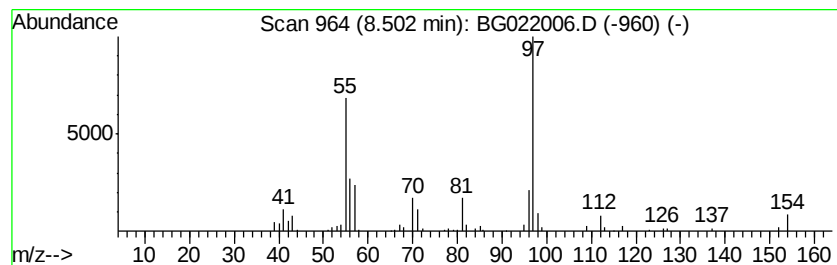
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 (DEL) Alkane: Cyclic8.50 Concentration Rank 52

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.50 | 2.51 ng/ul | 125204 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,4-dimethyl-        | 112 | C8H16   | 000589-90-2 | 59   |
| 2    |    |   | Cyclohexane, 1-methyl-3-propyl-   | 140 | C10H20  | 004291-80-9 | 59   |
| 3    |    |   | Cyclohexane, 1,1-dimethyl-        | 112 | C8H16   | 000590-66-9 | 58   |
| 4    |    |   | Cyclohexane, 1,1-dimethyl-        | 112 | C8H16   | 000590-66-9 | 58   |
| 5    |    |   | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O  | 002890-62-2 | 53   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleID :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

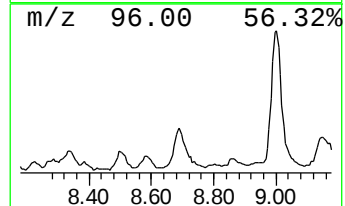
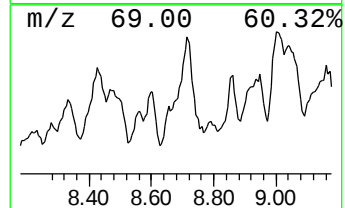
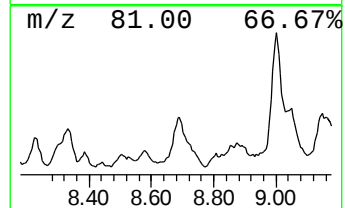
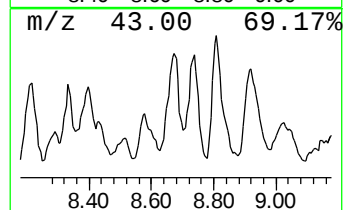
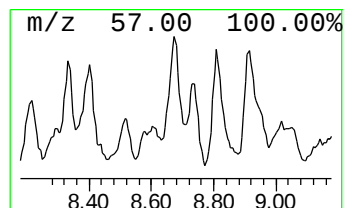
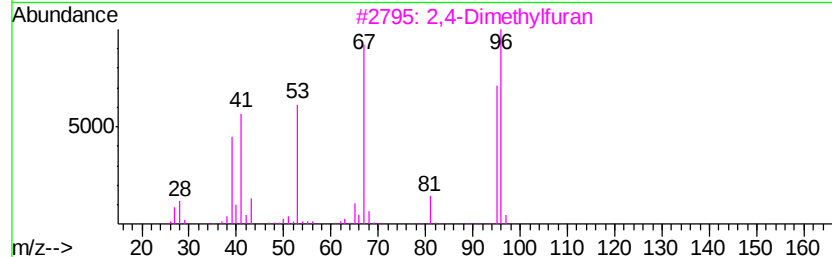
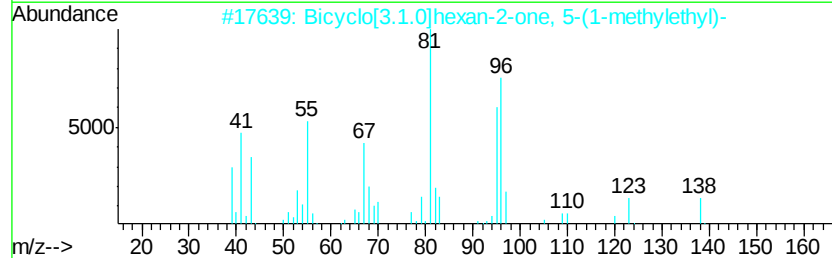
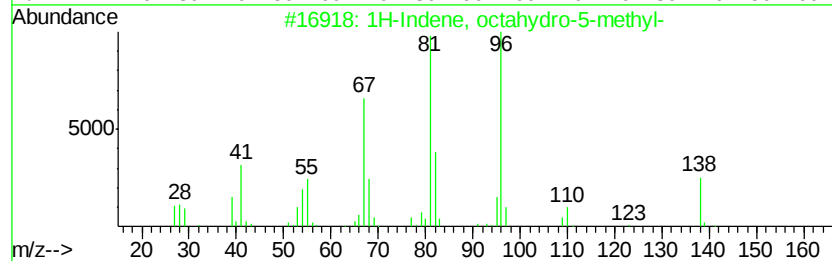
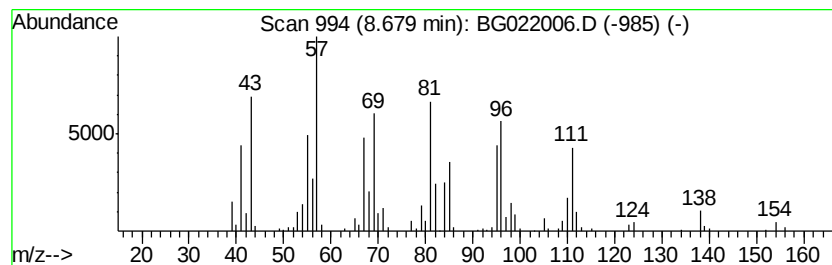
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 unknown-01 Concentration Rank 35

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.68 | 5.35 ng/ul | 266268 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, octahydro-5-methyl-      | 138 | C10H18  | 019744-64-0 | 42   |
| 2    |    | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 | C9H14O  | 000513-20-2 | 38   |
| 3    |    | 2,4-Dimethylfuran                   | 96  | C6H8O   | 003710-43-8 | 38   |
| 4    |    | 9-Methylbicyclo[3.3.1]nonane        | 138 | C10H18  | 025107-01-1 | 30   |
| 5    |    | 3-Cyclohexen-1-one, 3,5,5-trimet... | 138 | C9H14O  | 000471-01-2 | 27   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

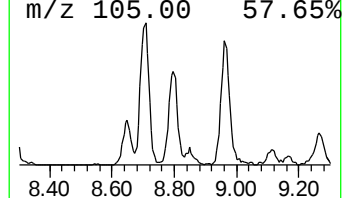
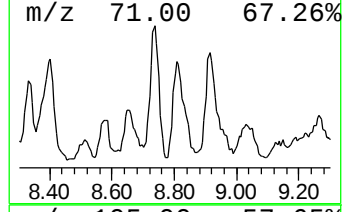
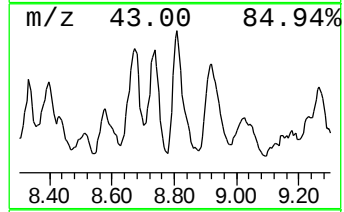
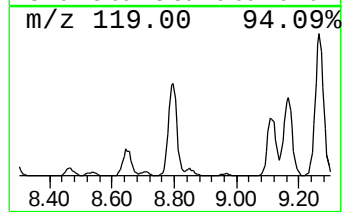
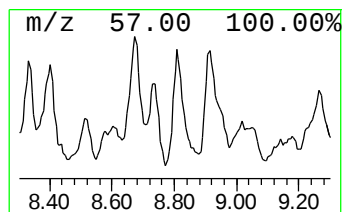
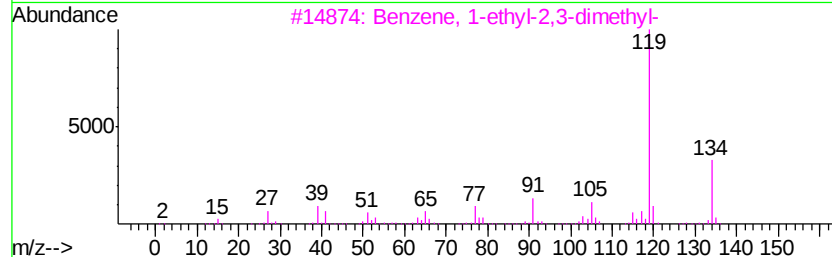
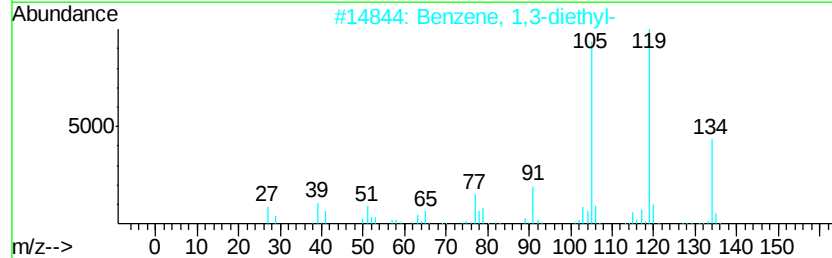
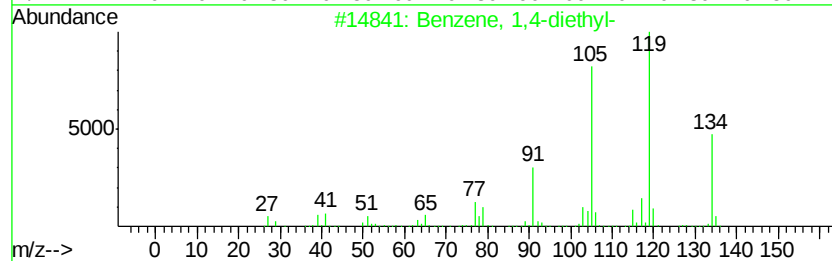
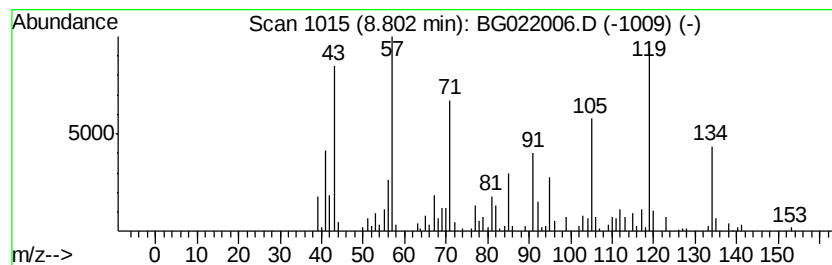
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 22 Benzene, 1,4-diethyl- Concentration Rank 34

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.80 | 5.95 ng/ul | 296610 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 95   |
| 2    |    | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 90   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 89   |
| 4    |    | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 70   |
| 5    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 55   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

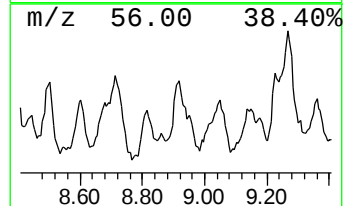
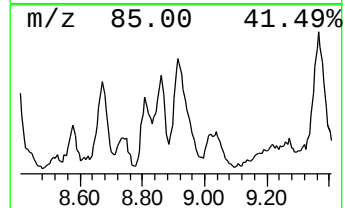
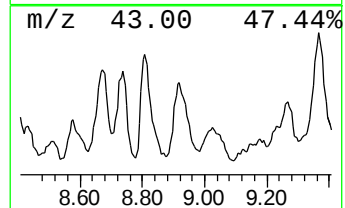
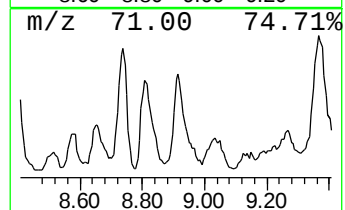
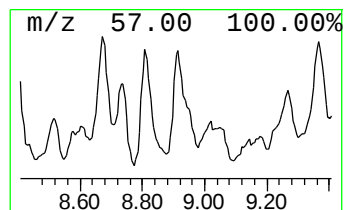
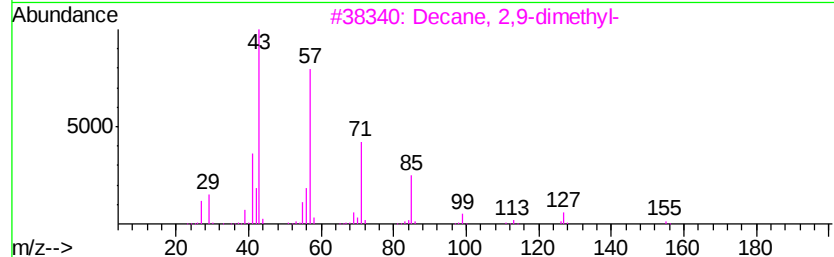
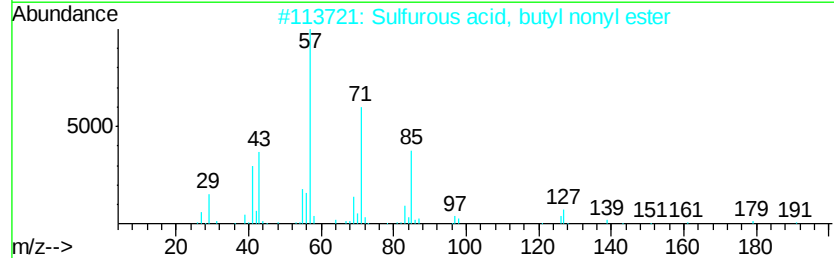
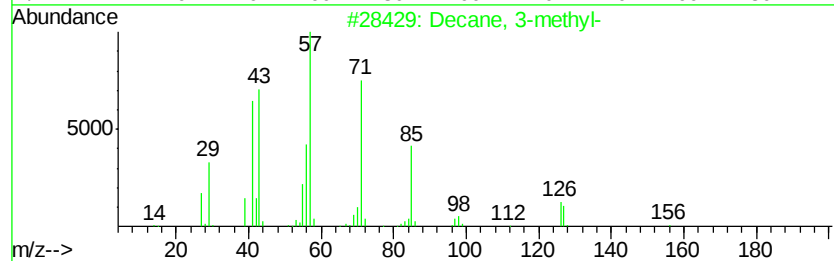
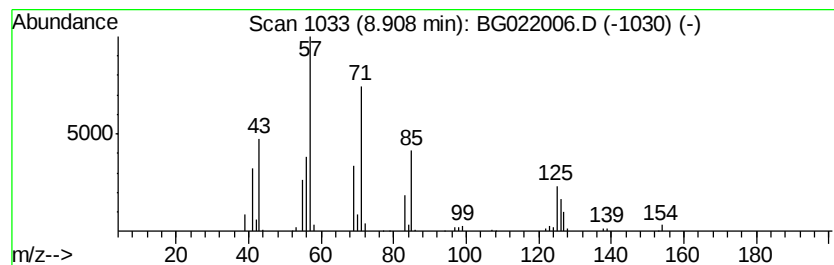
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 42

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.91 | 4.28 ng/ul | 213144 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Decane, 3-methyl-                 | 156 | C11H24    | 013151-34-3  | 59   |
| 2    |    |   | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 59   |
| 3    |    |   | Decane, 2,9-dimethyl-             | 170 | C12H26    | 001002-17-1  | 59   |
| 4    |    |   | 1-Undecene, 4-methyl-             | 168 | C12H24    | 074630-39-0  | 53   |
| 5    |    |   | Hexadecane                        | 226 | C16H34    | 000544-76-3  | 53   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

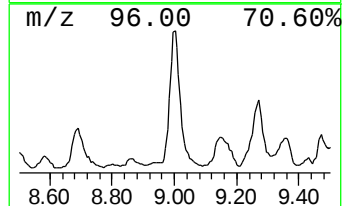
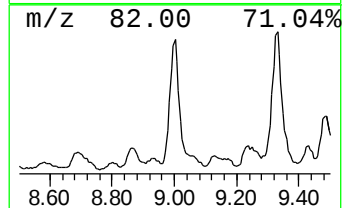
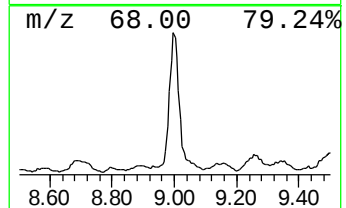
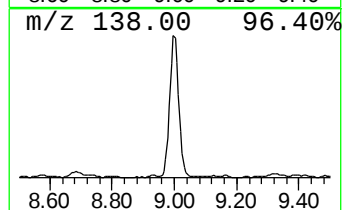
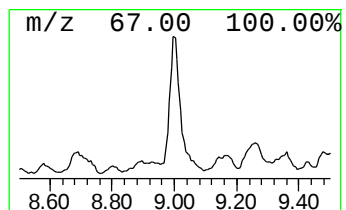
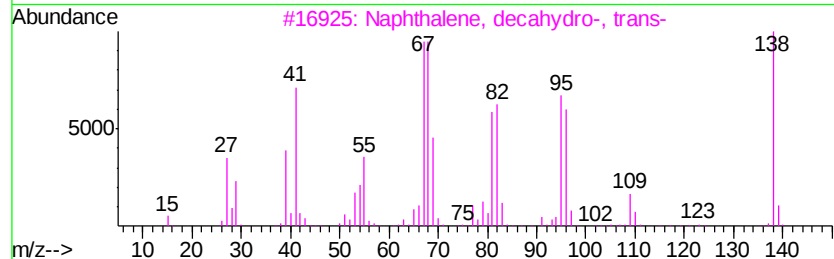
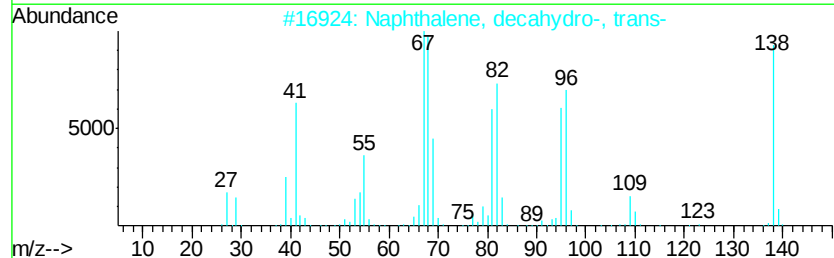
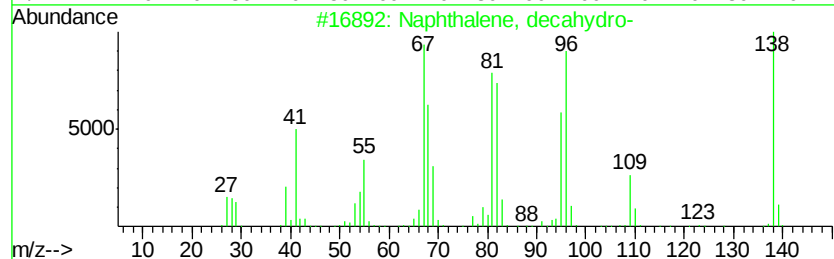
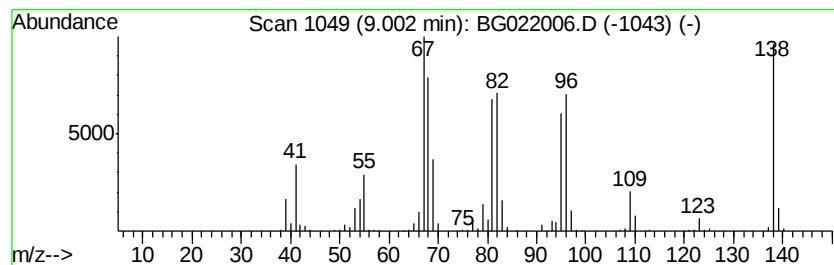
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 24 Naphthalene, decahydro- Concentration Rank 11

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 9.00 | 22.19 ng/ul | 1105270 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 98   |
| 2    |    | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 98   |
| 3    |    | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 97   |
| 4    |    | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 97   |
| 5    |    | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 94   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

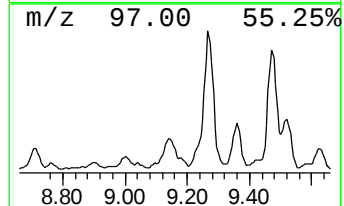
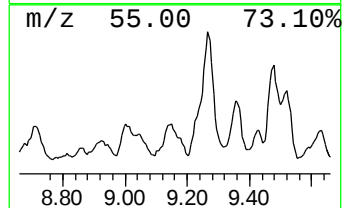
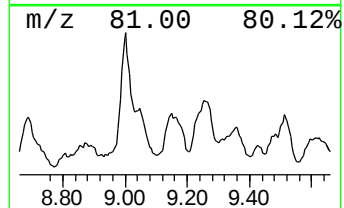
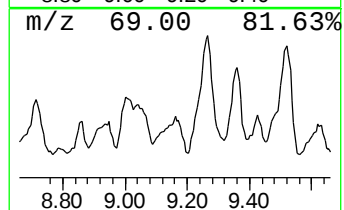
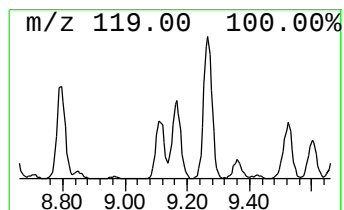
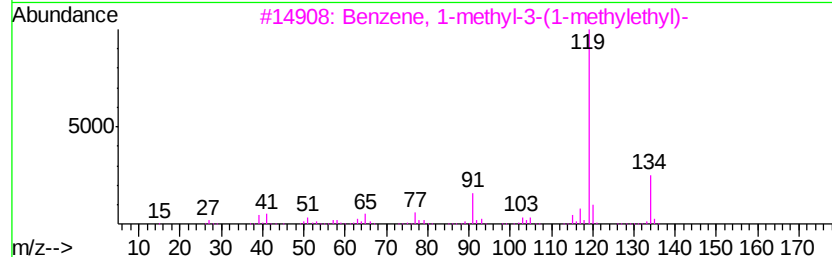
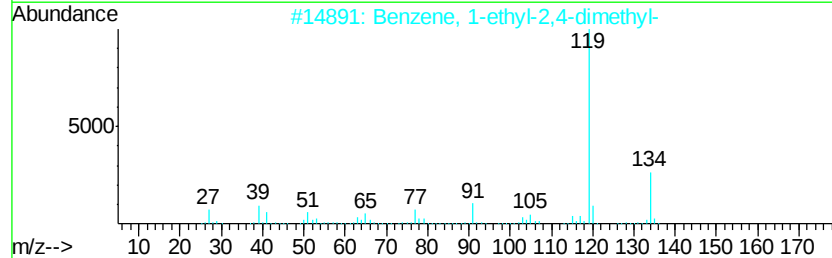
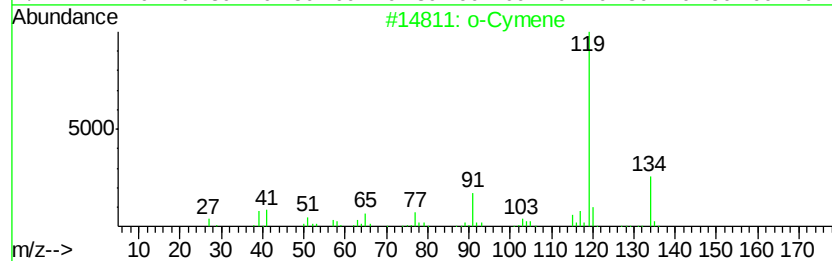
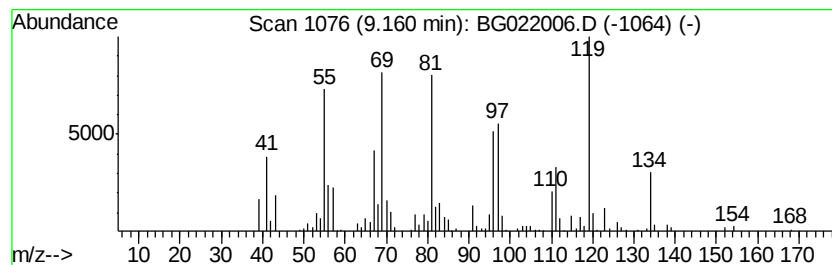
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 25 o-Cymene Concentration Rank 28

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 9.16 | 9.43 ng/ul | 469571 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 56   |
| 2    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 56   |
| 3    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 56   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 56   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 53   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

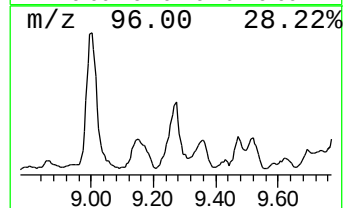
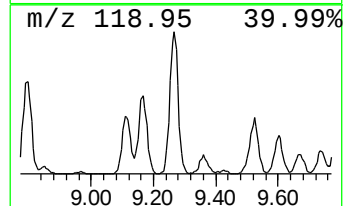
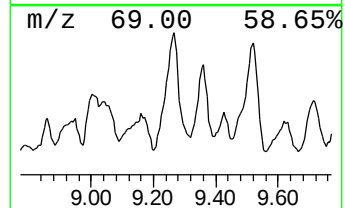
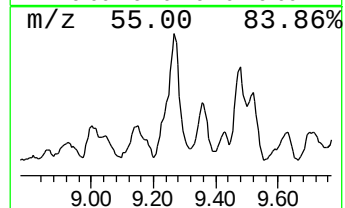
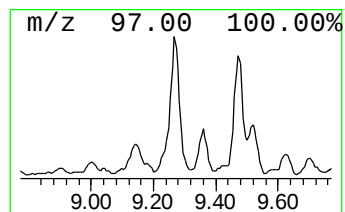
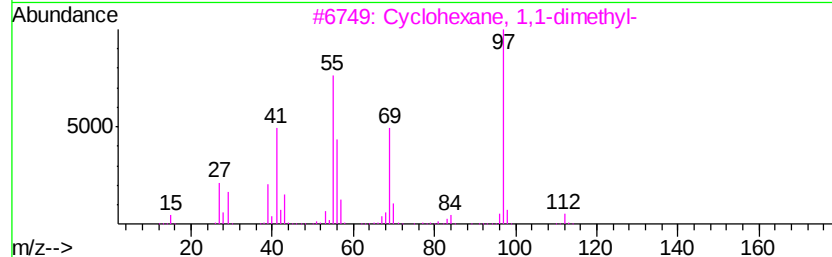
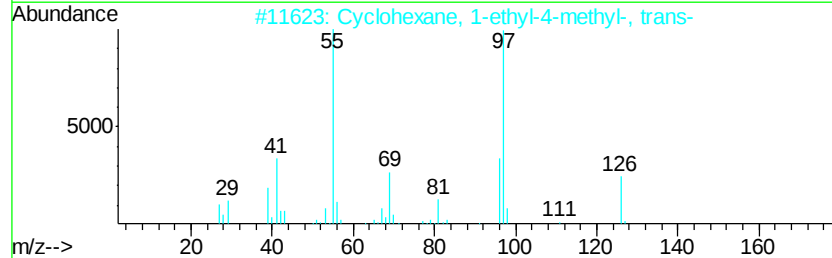
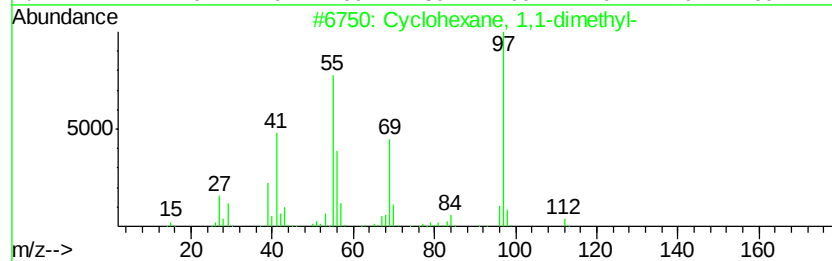
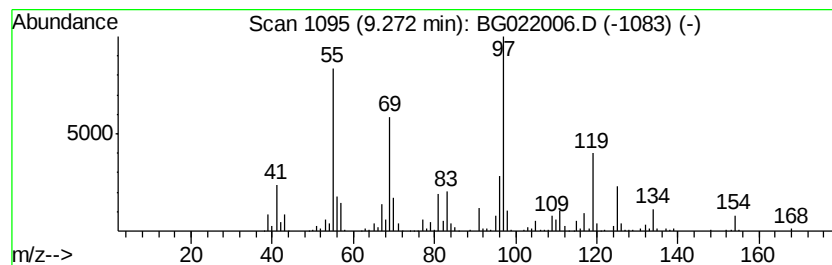
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 26 (DEL) Alkane: Cyclic9.27 Concentration Rank 9

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 9.27 | 24.18 ng/ul | 1204320 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16   | 000590-66-9 | 46   |
| 2    |    | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 43   |
| 3    |    | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16   | 000590-66-9 | 42   |
| 4    |    | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 38   |
| 5    |    | Cyclohexane, 1-ethyl-1-methyl-      | 126 | C9H18   | 004926-90-3 | 38   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

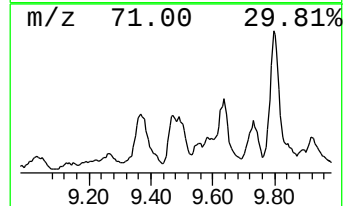
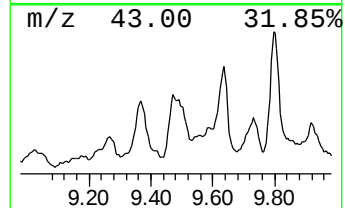
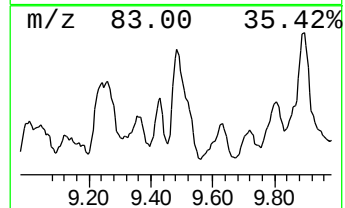
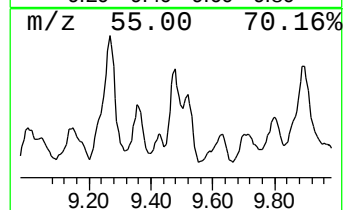
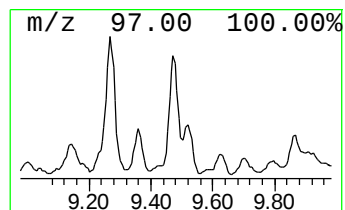
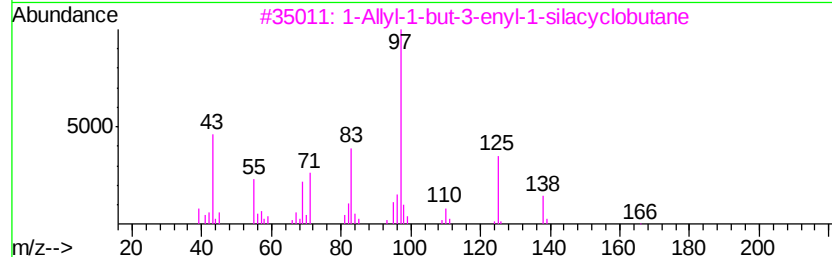
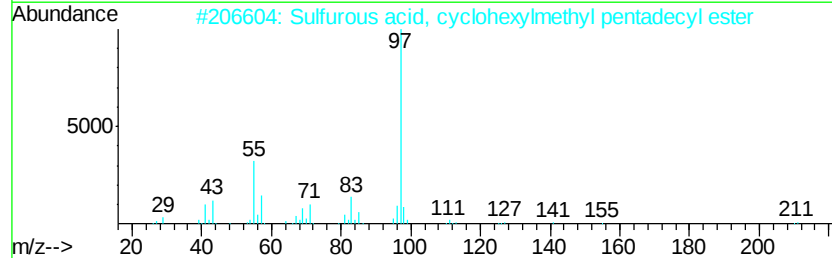
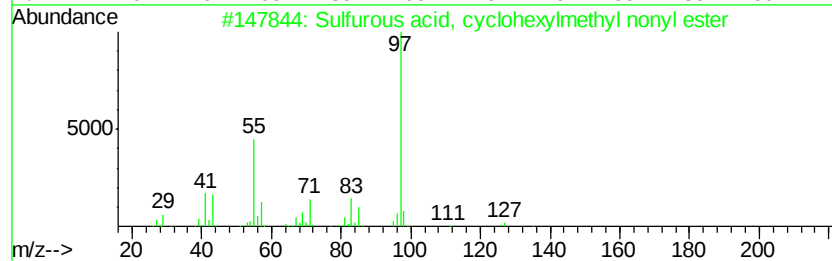
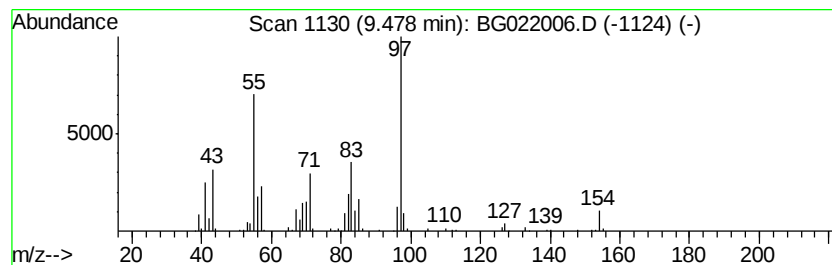
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 27 Sulfurous acid, cyclohexylm... Concentration Rank 25

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 9.48 | 9.68 ng/ul | 482110 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, cyclohexylmethyl... | 304 | C16H32O3S | 1000309-21-8 | 64   |
| 2    |    |   | Sulfurous acid, cyclohexylmethyl... | 388 | C22H44O3S | 1000309-22-3 | 59   |
| 3    |    |   | 1-Allyl-1-but-3-enyl-1-silacyclo... | 166 | C10H18Si  | 127597-51-7  | 59   |
| 4    |    |   | Sulfurous acid, cyclohexylmethyl... | 346 | C19H38O3S | 1000309-22-0 | 50   |
| 5    |    |   | Sulfurous acid, butyl cyclohexyl... | 234 | C11H22O3S | 1000309-21-4 | 50   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

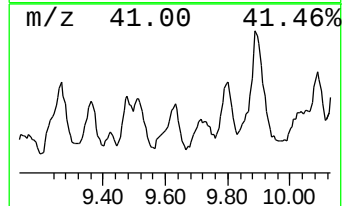
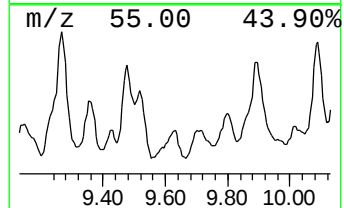
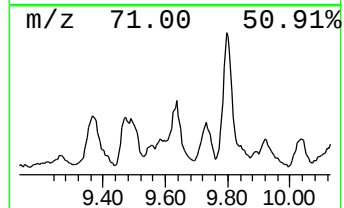
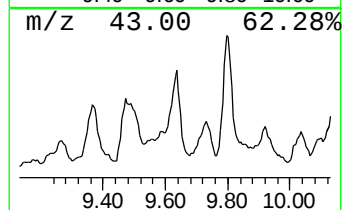
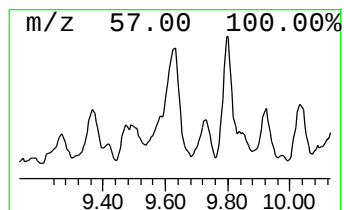
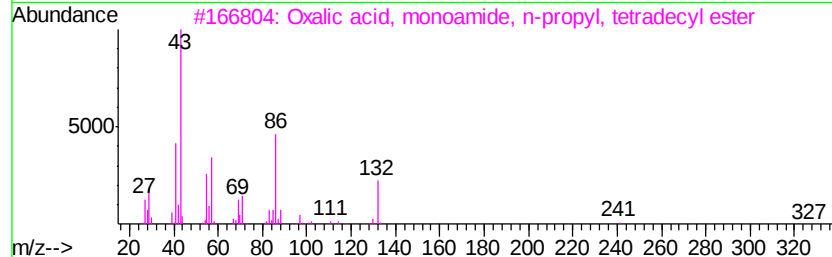
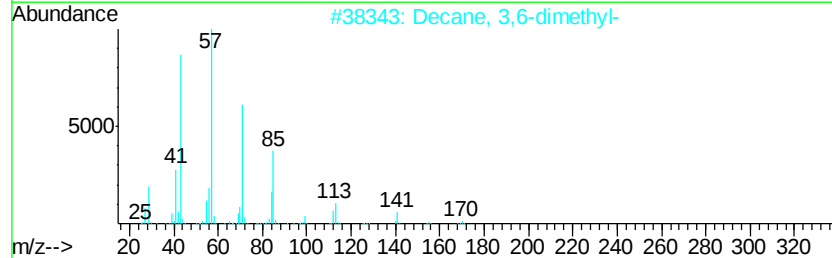
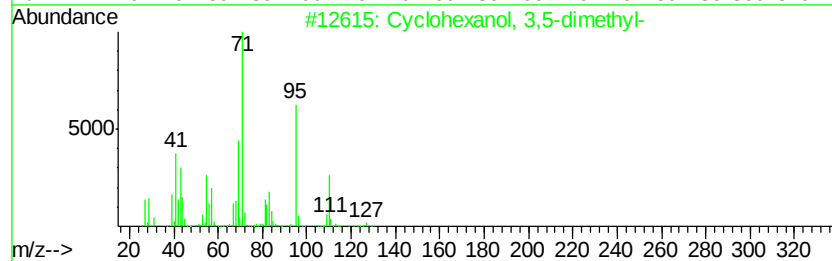
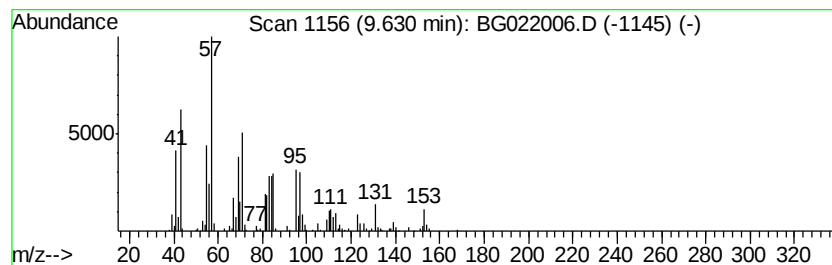
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 28 unknown-02 Concentration Rank 23

| R.T. | EstConc     | Area   | Relative to ISTD | R.T.  |
|------|-------------|--------|------------------|-------|
| 9.63 | 11.50 ng/ul | 578037 | Napthalene-d8    | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexanol, 3,5-dimethyl-         | 128 | C8H16O    | 005441-52-1  | 35   |
| 2    |    | Decane, 3,6-dimethyl-               | 170 | C12H26    | 017312-53-7  | 35   |
| 3    |    | Oxalic acid, monoamide, n-propyl... | 327 | C19H37NO3 | 1000309-65-3 | 35   |
| 4    |    | 2,6-Dimethyldecane                  | 170 | C12H26    | 013150-81-7  | 35   |
| 5    |    | 11-Tricosene                        | 322 | C23H46    | 052078-56-5  | 30   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

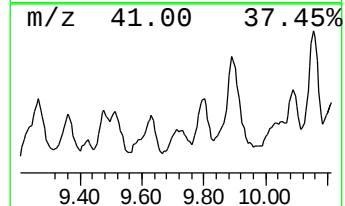
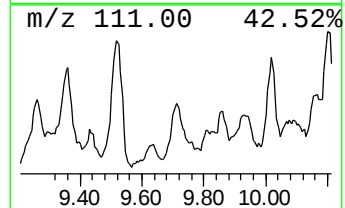
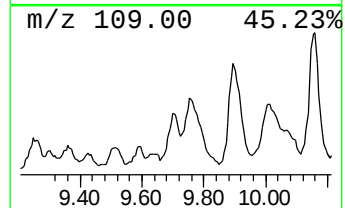
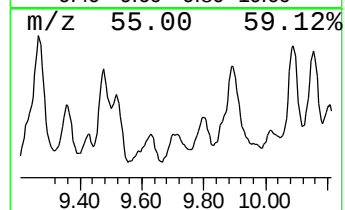
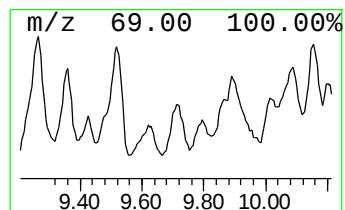
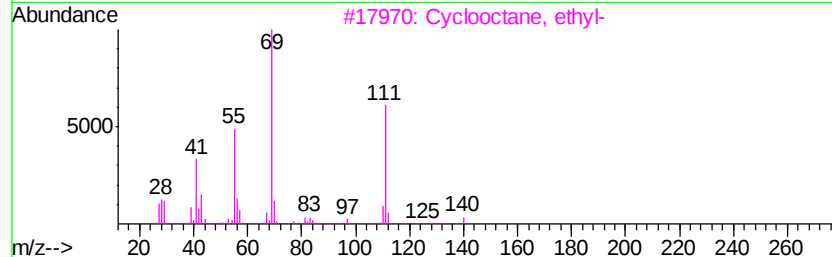
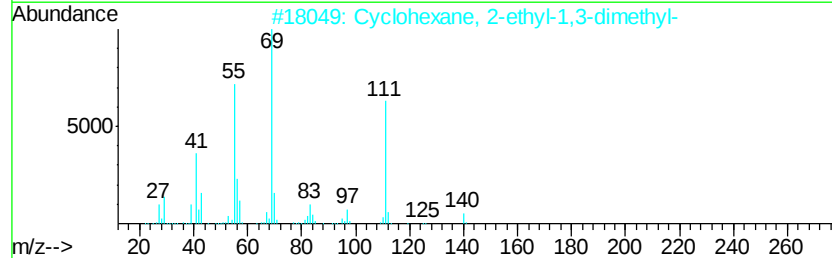
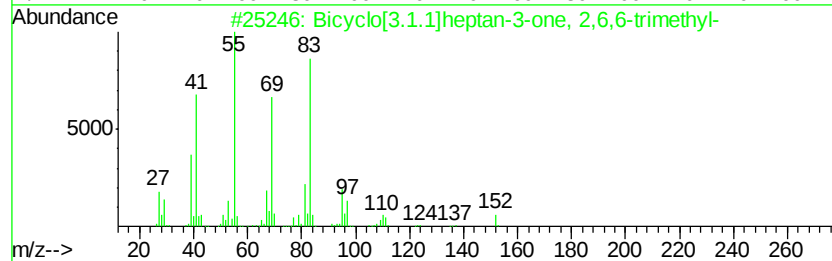
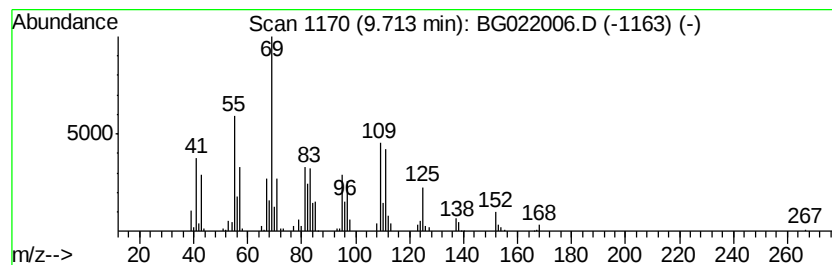
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 29 unknown-03 Concentration Rank 36

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.71 | 5.22 ng/ul | 262643 | Naphthalene-d8   | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 018358-53-7 | 49   |
| 2    |    | Cyclohexane, 2-ethyl-1,3-dimethyl-  | 140 | C10H20  | 007045-67-2 | 38   |
| 3    |    | Cyclooctane, ethyl-                 | 140 | C10H20  | 013152-02-8 | 38   |
| 4    |    | Cyclooctane, ethyl-                 | 140 | C10H20  | 013152-02-8 | 38   |
| 5    |    | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 015358-88-0 | 38   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

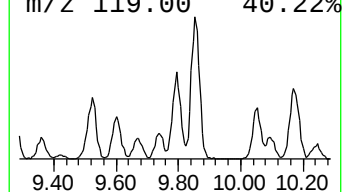
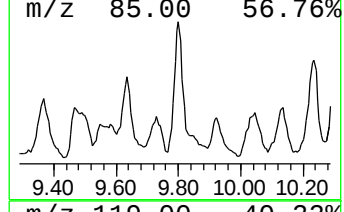
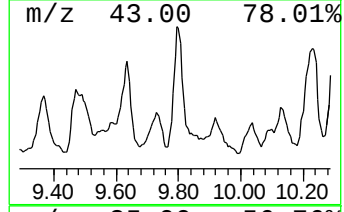
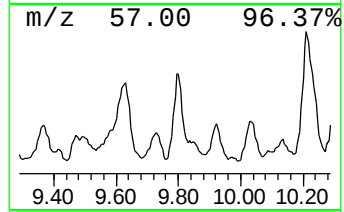
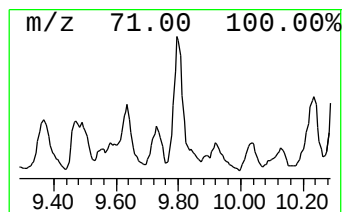
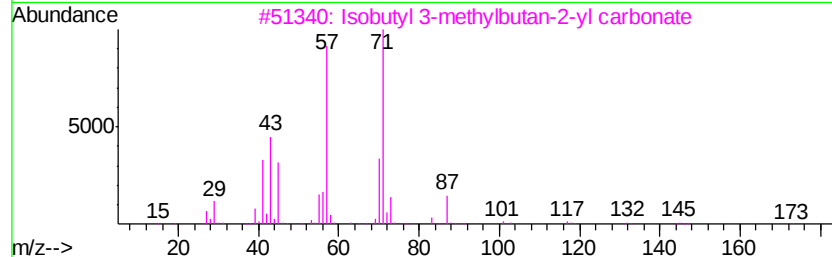
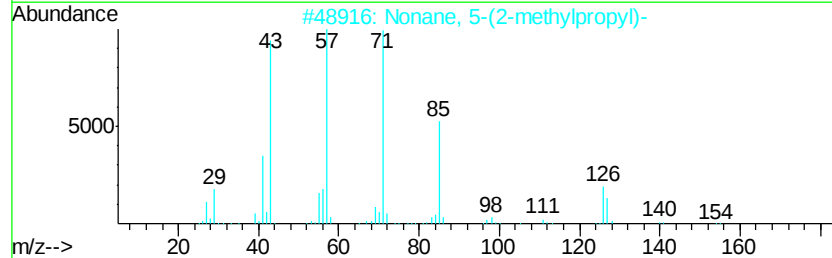
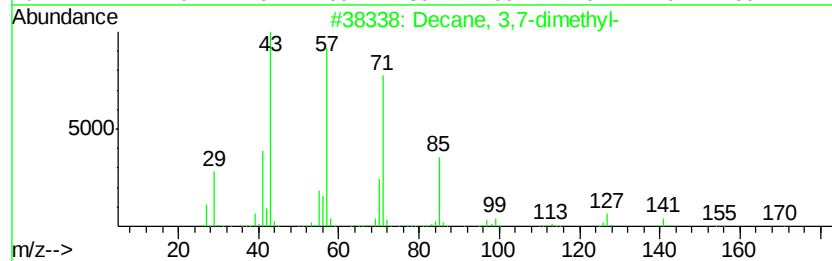
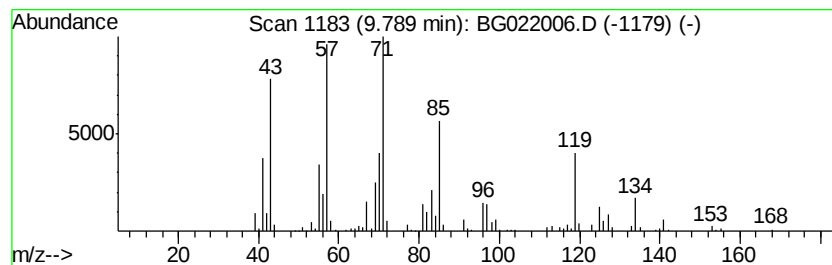
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.79 | 9.40 ng/ul | 472472 | Napthalene-d8    | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decane, 3,7-dimethyl-               | 170 | C12H26    | 017312-54-8  | 89   |
| 2    |    | Nonane, 5-(2-methylpropyl)-         | 184 | C13H28    | 062185-53-9  | 50   |
| 3    |    | Isobutyl 3-methylbutan-2-yl carb... | 188 | C10H20O3  | 1000372-77-0 | 47   |
| 4    |    | Oxalic acid, bis(2-ethylhexyl) e... | 314 | C18H34O4  | 1000309-39-0 | 47   |
| 5    |    | Sulfurous acid, hexyl pentyl ester  | 236 | C11H24O3S | 1000309-14-1 | 43   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleID :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

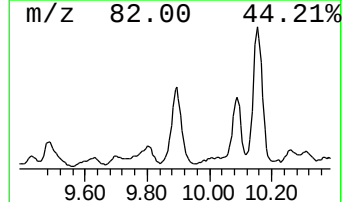
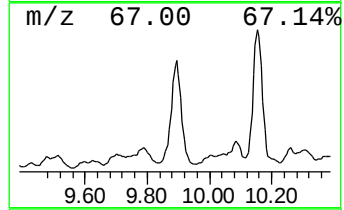
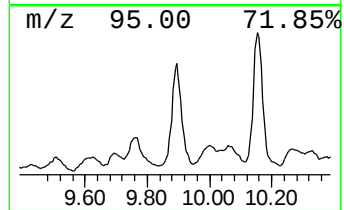
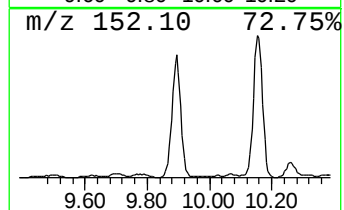
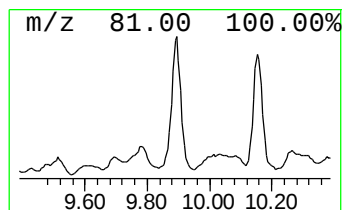
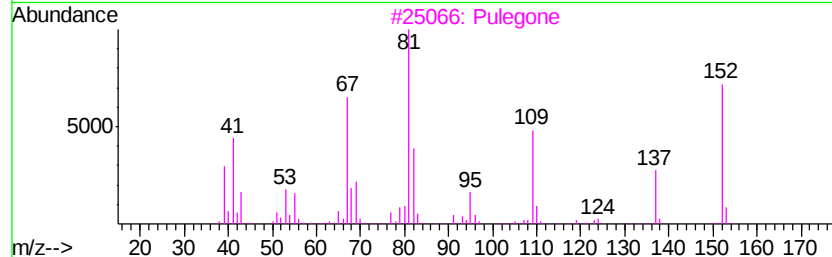
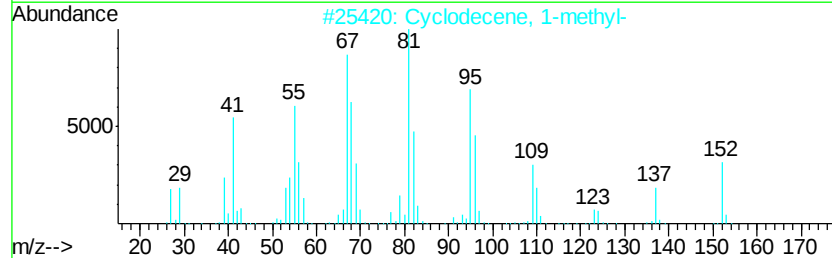
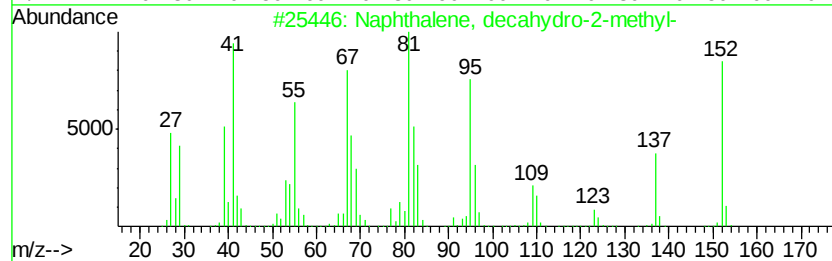
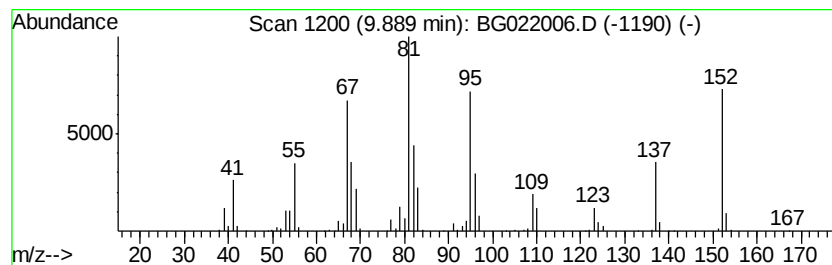
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 31 Naphthalene, decahydro-2-me... Concentration Rank 6

| R.T. | EstConc     | Area    | Relative to ISTD | R.T.  |
|------|-------------|---------|------------------|-------|
| 9.89 | 37.19 ng/ul | 1869730 | Naphthalene-d8   | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 97   |
| 2    |    | Cyclodecene, 1-methyl-              | 152 | C11H20  | 066633-38-3  | 90   |
| 3    |    | Pulegone                            | 152 | C10H16O | 000089-82-7  | 70   |
| 4    |    | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 70   |
| 5    |    | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 64   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

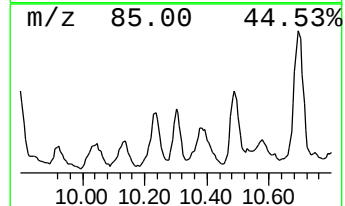
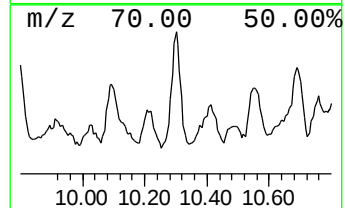
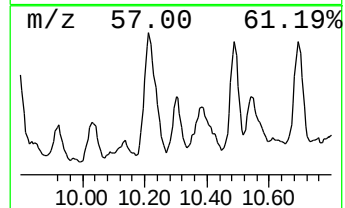
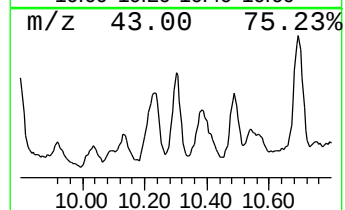
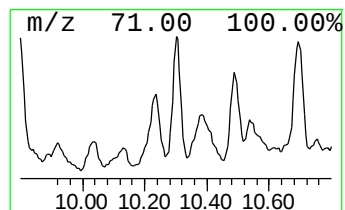
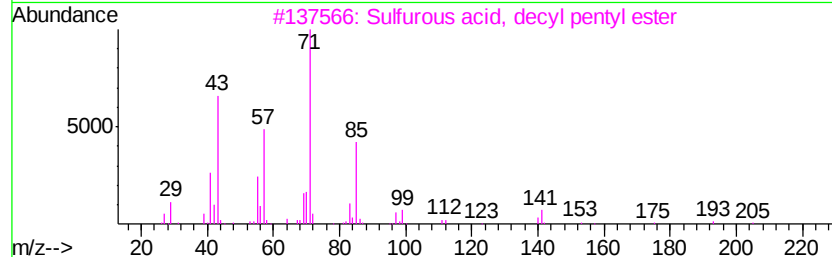
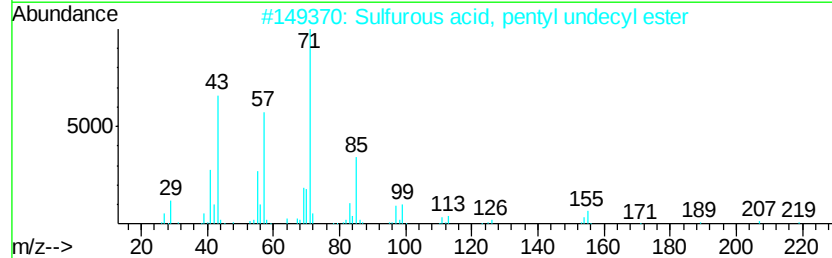
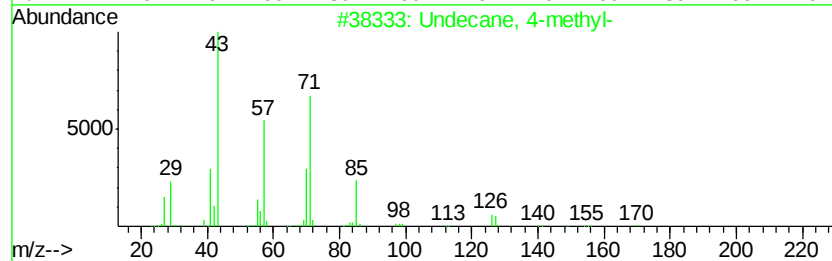
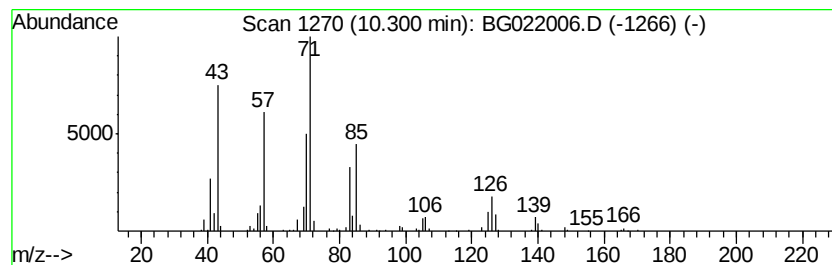
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 24

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 10.30   | 10.84 ng/ul                         | 544786        | Napthalene-d8    | 10.98     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Undecane, 4-methyl-                 | 170 C12H26    | 002980-69-0      | 64        |
| 2       | Sulfurous acid, pentyl undecyl e... | 306 C16H34O3S | 1000309-14-4     | 50        |
| 3       | Sulfurous acid, decyl pentyl ester  | 292 C15H32O3S | 1000309-14-3     | 47        |
| 4       | Pentane, 2,3,4-trimethyl-           | 114 C8H18     | 000565-75-3      | 43        |
| 5       | Decane, 4-methyl-                   | 156 C11H24    | 002847-72-5      | 43        |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

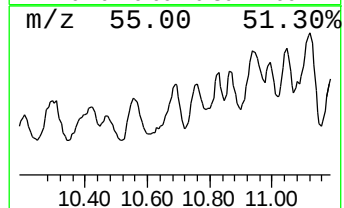
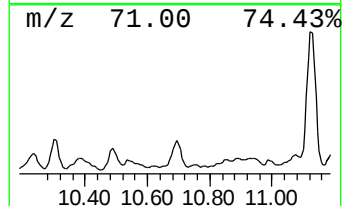
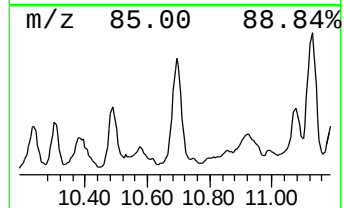
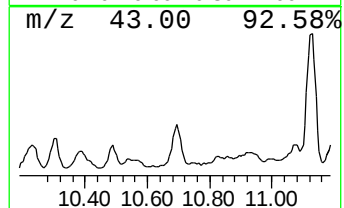
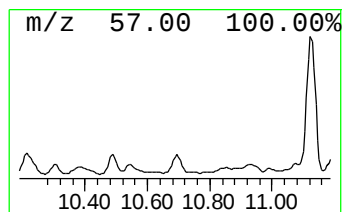
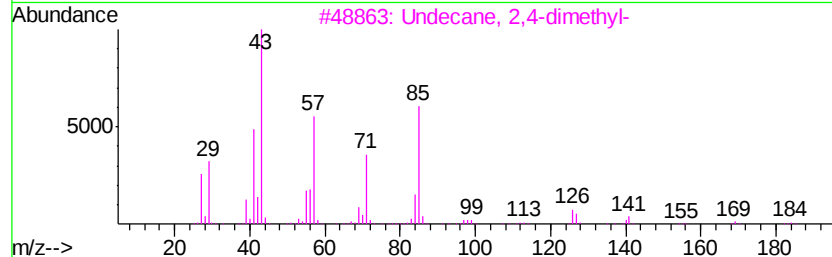
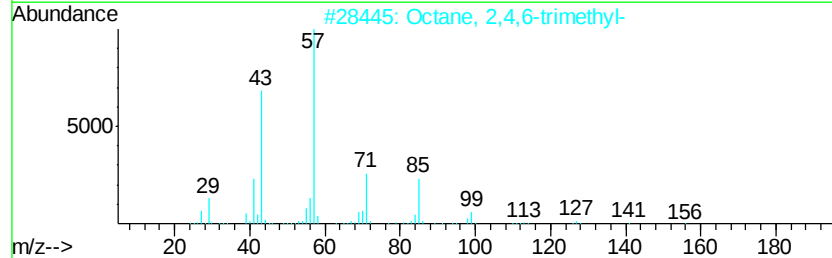
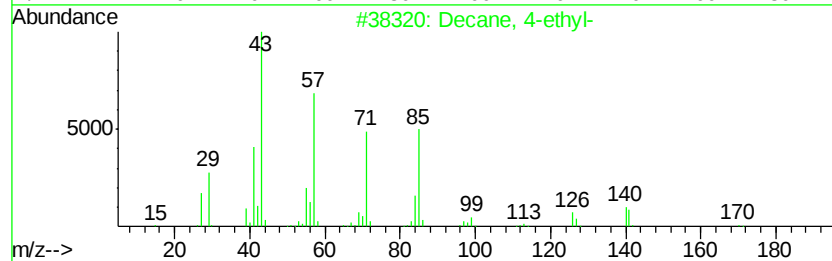
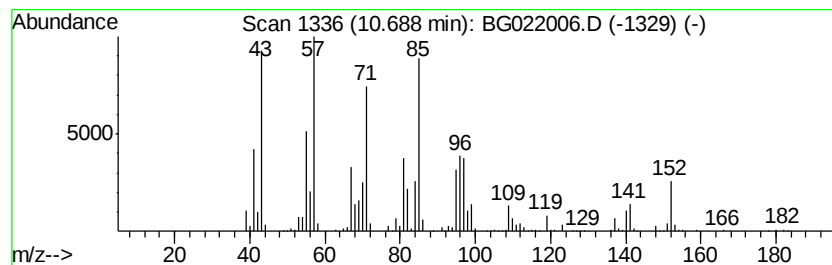
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TIC Integration Parameters: LSCINT.P

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Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 10.69 | 18.18 ng/ul | 913916 | Napthalene-d8    | 10.98 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 4-ethyl-         | 170 | C12H26  | 001636-44-8 | 50   |
| 2    |    | Octane, 2,4,6-trimethyl- | 156 | C11H24  | 062016-37-9 | 46   |
| 3    |    | Undecane, 2,4-dimethyl-  | 184 | C13H28  | 017312-80-0 | 35   |
| 4    |    | Ether, hexyl pentyl      | 172 | C11H24O | 032357-83-8 | 27   |
| 5    |    | Dodecane, 4-methyl-      | 184 | C13H28  | 006117-97-1 | 27   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

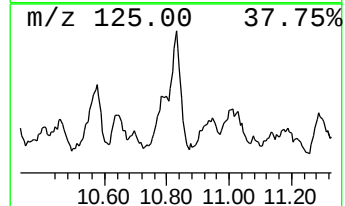
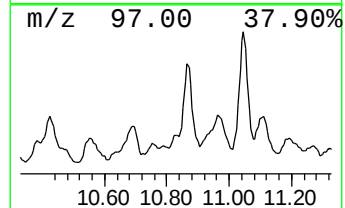
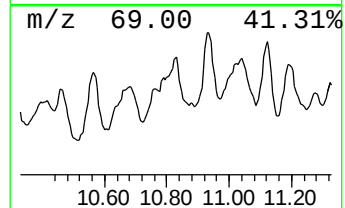
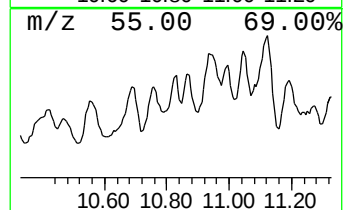
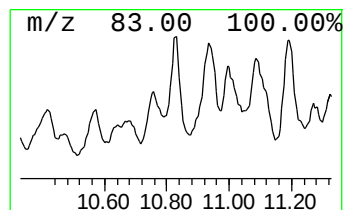
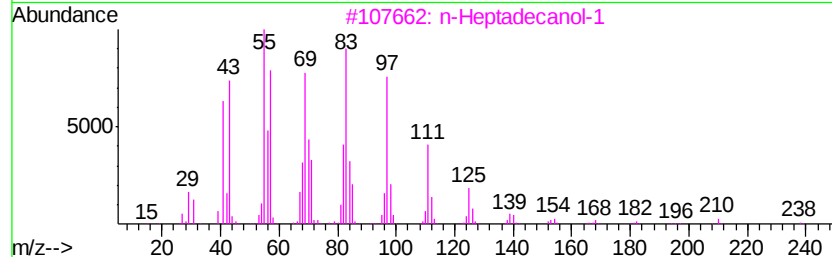
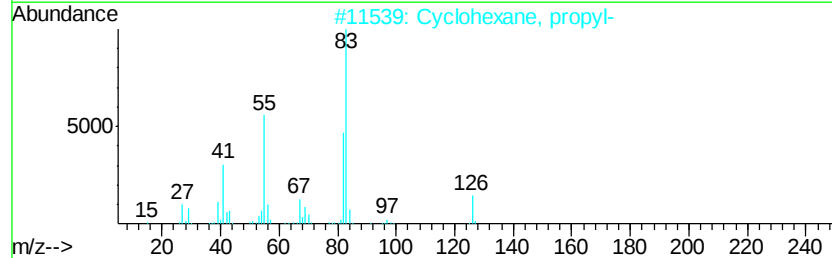
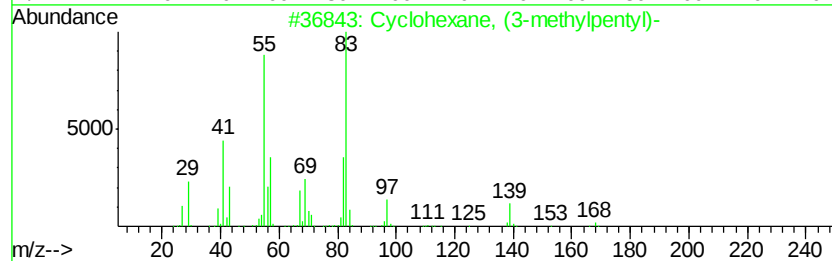
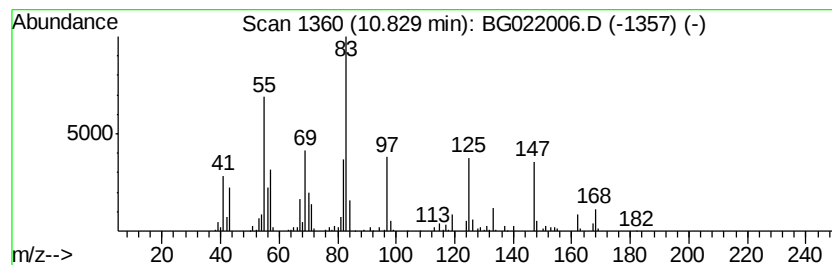
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 36 (DEL) Alkane: Cyclic10.83 Concentration Rank 47

| R.T.    | EstConc    | Area                           | Relative to ISTD | R.T.           |
|---------|------------|--------------------------------|------------------|----------------|
| 10.83   | 2.81 ng/ul | 141065                         | Napthalene-d8    | 10.98          |
| Hit# of | 5          | Tentative ID                   | MW MolForm       | CAS# Qual      |
| 1       |            | Cyclohexane, (3-methylpentyl)- | 168 C12H24       | 061142-38-9 47 |
| 2       |            | Cyclohexane, propyl-           | 126 C9H18        | 001678-92-8 38 |
| 3       |            | n-Heptadecanol-1               | 256 C17H36O      | 001454-85-9 35 |
| 4       |            | Cyclohexane, pentyl-           | 154 C11H22       | 004292-92-6 35 |
| 5       |            | Cyclohexane, butyl-            | 140 C10H20       | 001678-93-9 35 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

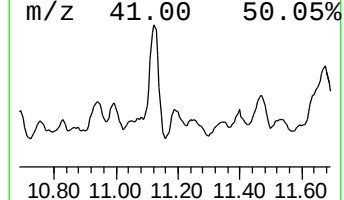
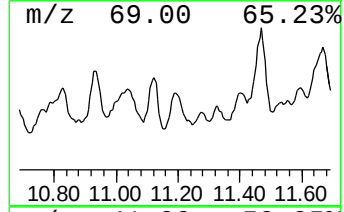
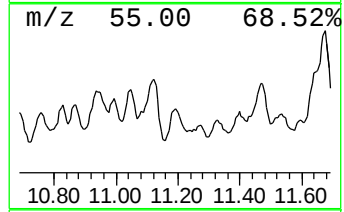
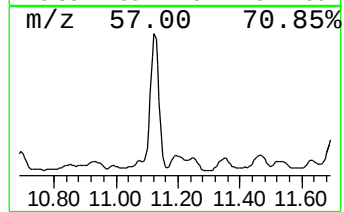
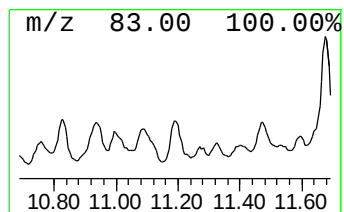
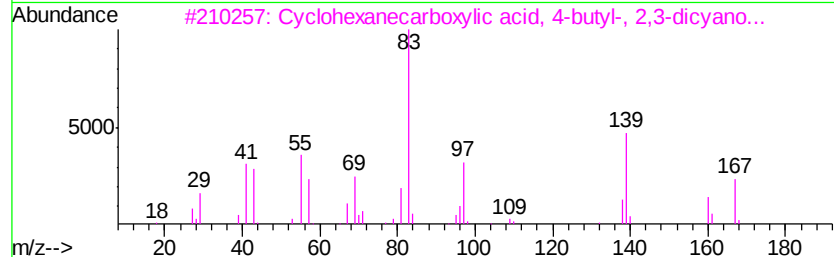
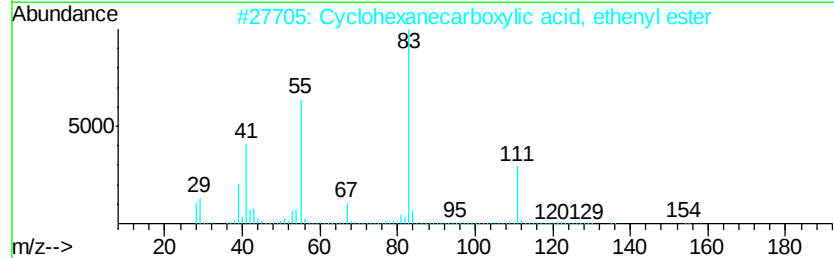
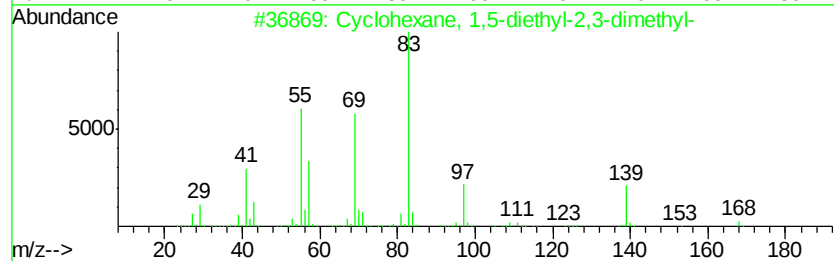
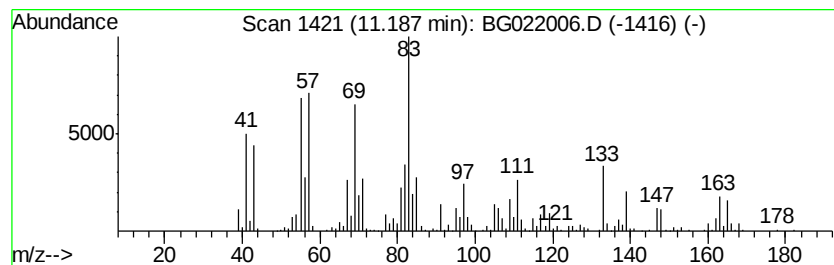
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 37 (DEL) Alkane: Cyclic11.19 Concentration Rank 15

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 11.19 | 17.36 ng/ul | 872817 | Napthalene-d8    | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexane, 1,5-diethyl-2,3-dim... | 168 | C12H24     | 074663-66-4  | 46   |
| 2    |    | Cyclohexanecarboxylic acid, ethe... | 154 | C9H14O2    | 004840-76-0  | 38   |
| 3    |    | Cyclohexanecarboxylic acid, 4-bu... | 396 | C24H32N2O3 | 075941-51-4  | 35   |
| 4    |    | Oxalic acid, decyl 1-menthyl ester  | 368 | C22H40O4   | 1000314-97-8 | 35   |
| 5    |    | Oxalic acid, di(1-menthyl) ester    | 366 | C22H38O4   | 1000314-98-6 | 35   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

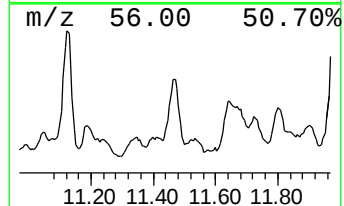
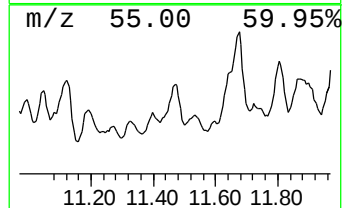
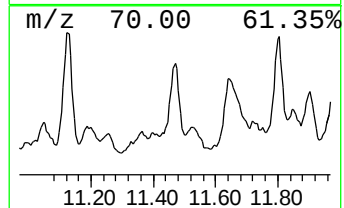
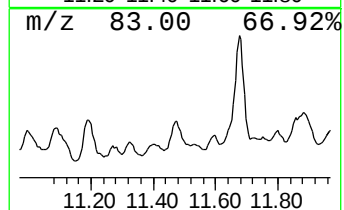
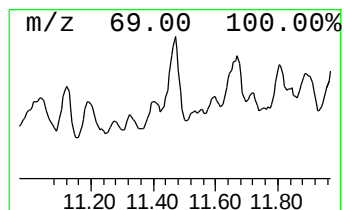
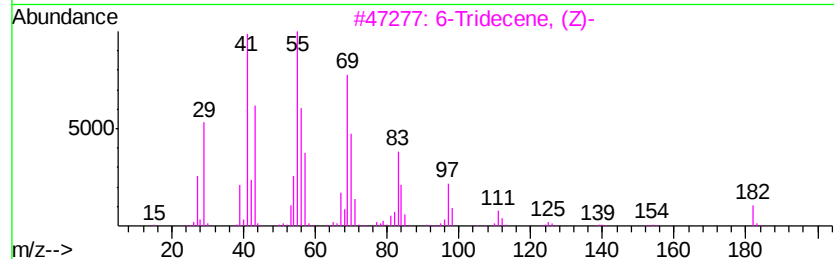
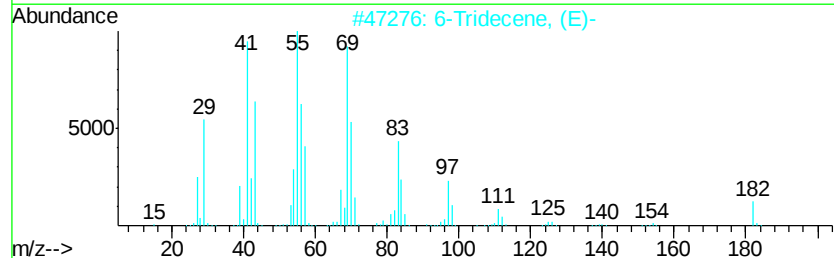
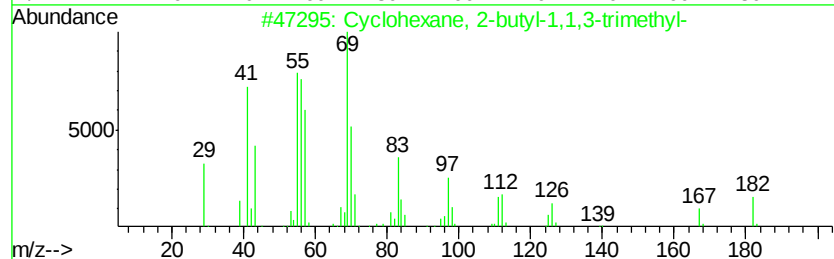
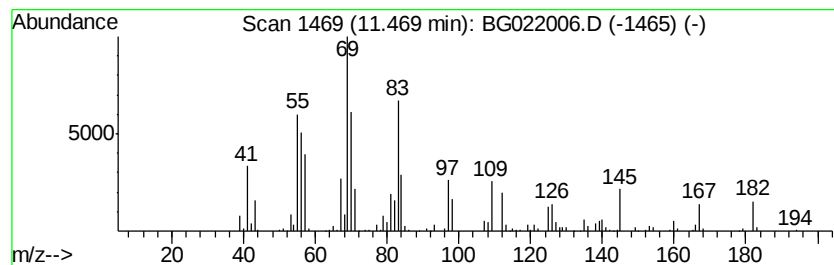
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 39 (DEL) Alkane: Cyclic11.47 Concentration Rank 20

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 11.47 | 14.10 ng/ul | 708680 | Napthalene-d8    | 10.98 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 76   |
| 2    |    |   | 6-Tridecene, (E)-                   | 182 | C13H26  | 006434-76-0 | 70   |
| 3    |    |   | 6-Tridecene, (Z)-                   | 182 | C13H26  | 006508-77-6 | 70   |
| 4    |    |   | 5-Tridecene, (E)-                   | 182 | C13H26  | 023051-84-5 | 64   |
| 5    |    |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 64   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

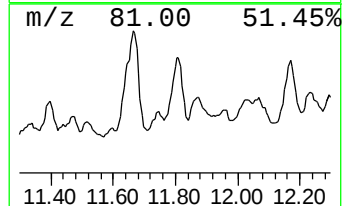
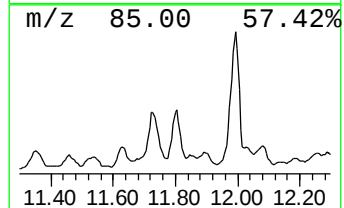
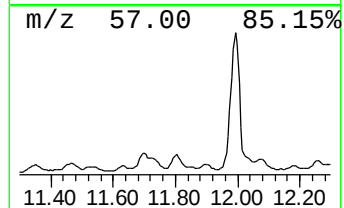
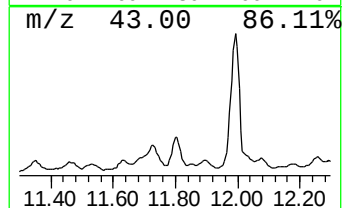
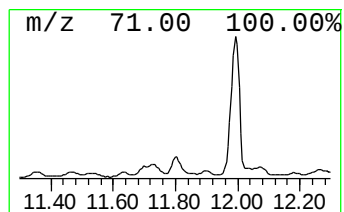
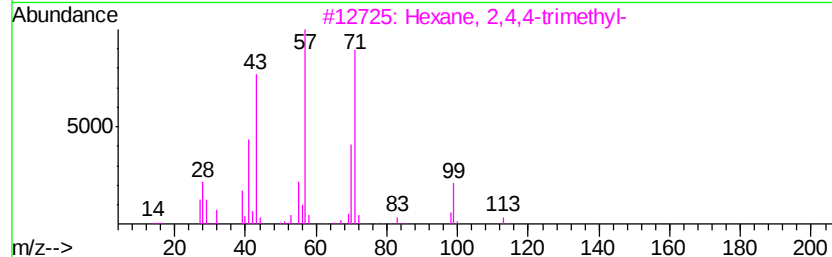
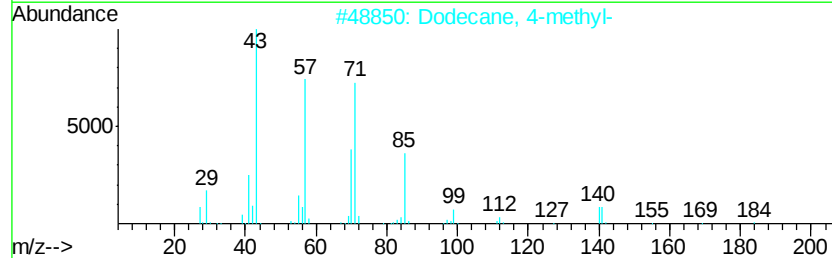
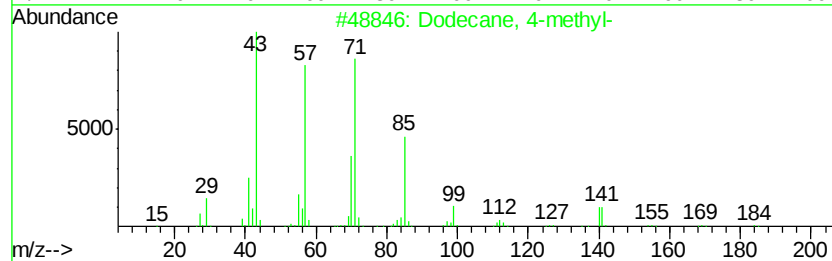
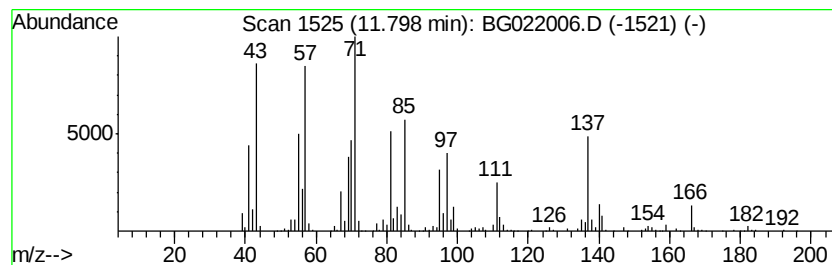
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 11.80 | 25.35 ng/ul | 1274340 | Napthalene-d8    | 10.98 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 4-methyl-      | 184 | C13H28  | 006117-97-1 | 70   |
| 2    |    | Dodecane, 4-methyl-      | 184 | C13H28  | 006117-97-1 | 55   |
| 3    |    | Hexane, 2,4,4-trimethyl- | 128 | C9H20   | 016747-30-1 | 30   |
| 4    |    | Decane, 3,7-dimethyl-    | 170 | C12H26  | 017312-54-8 | 27   |
| 5    |    | Tridecane, 1-iodo-       | 310 | C13H27I | 035599-77-0 | 27   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

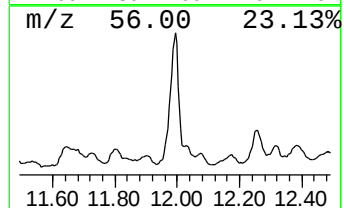
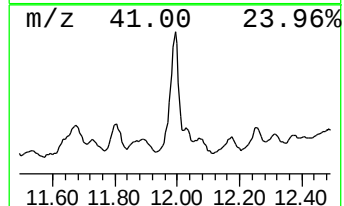
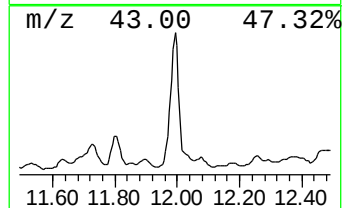
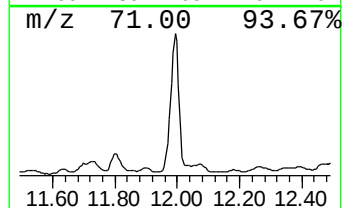
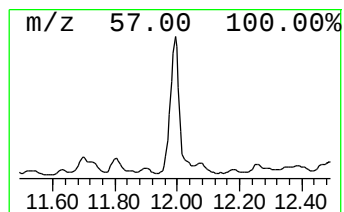
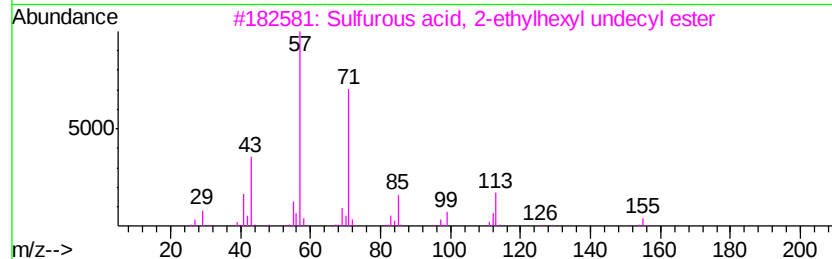
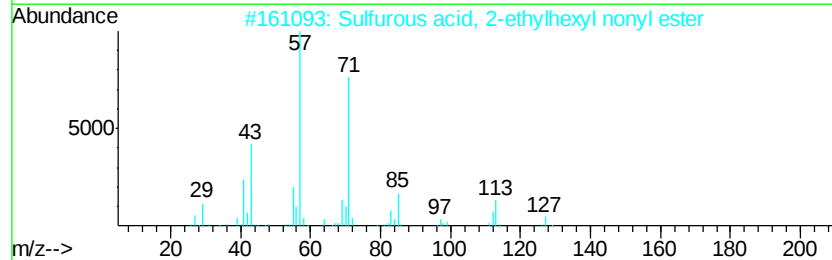
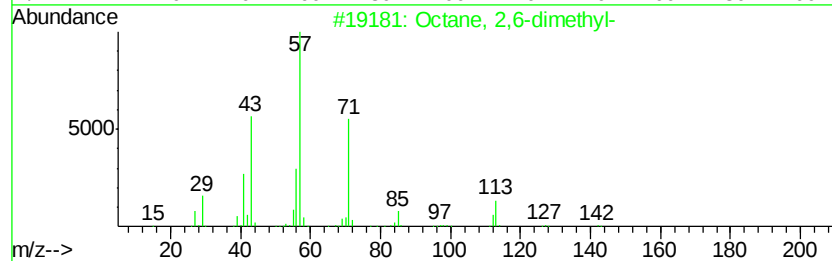
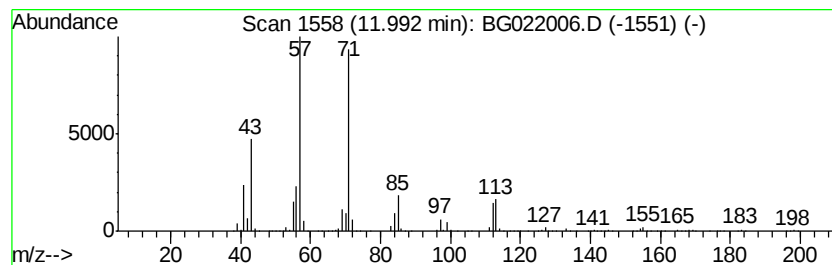
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.            |
|---------|-------------|-------------------------------------|------------------|-----------------|
| 11.99   | 90.70 ng/ul | 4559590                             | Napthalene-d8    | 10.98           |
| Hit# of | 5           | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |             | Octane, 2,6-dimethyl-               | 142 C10H22       | 002051-30-1 86  |
| 2       |             | Sulfurous acid, 2-ethylhexyl non... | 320 C17H36O3S    | 1000309-19-2 72 |
| 3       |             | Sulfurous acid, 2-ethylhexyl und... | 348 C19H40O3S    | 1000309-19-4 72 |
| 4       |             | Octane, 3,6-dimethyl-               | 142 C10H22       | 015869-94-0 72  |
| 5       |             | Octane, 2,6-dimethyl-               | 142 C10H22       | 002051-30-1 72  |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

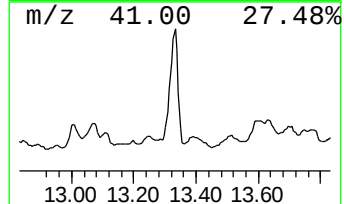
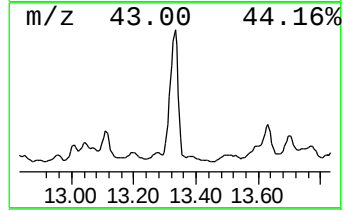
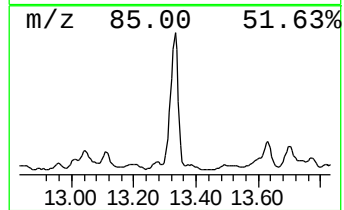
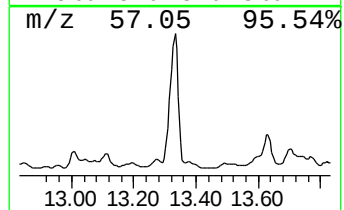
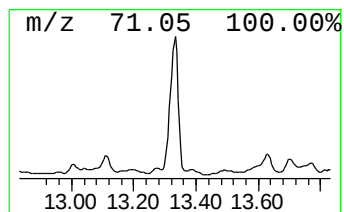
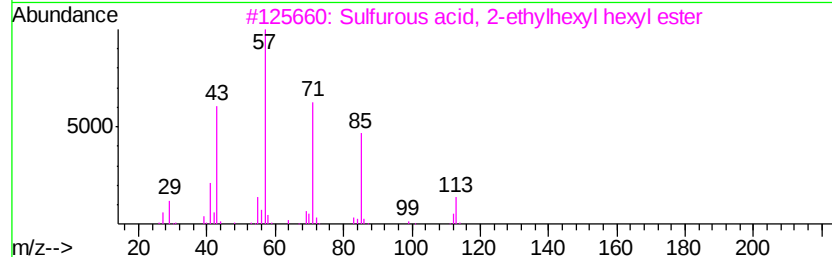
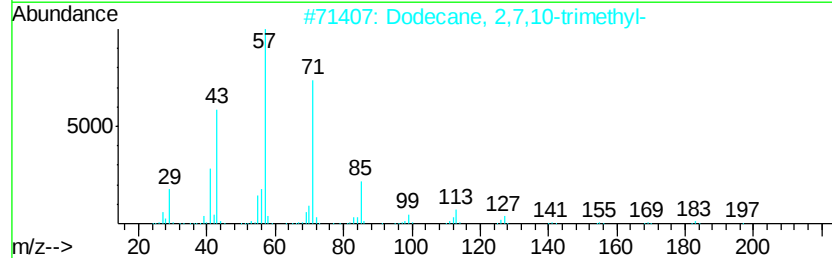
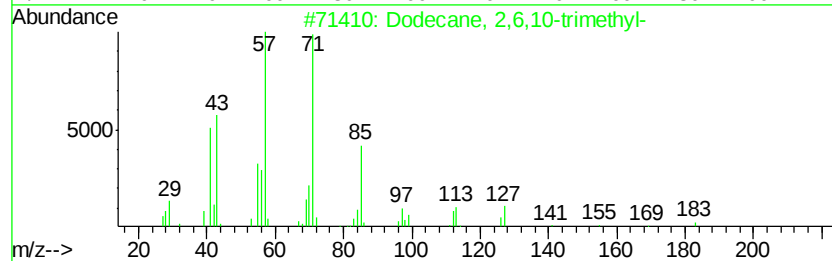
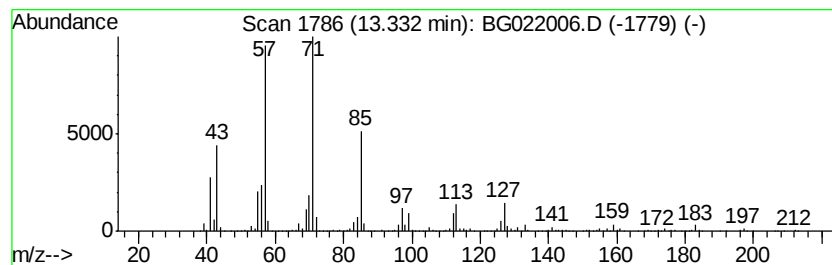
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 13.33 | 65.31 ng/ul | 7413650 | Acenaphthene-d10 | 14.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 83   |
| 2    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 59   |
| 3    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 59   |
| 4    |    | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 53   |
| 5    |    | Undecane, 4,6-dimethyl-             | 184 | C13H28    | 017312-82-2  | 49   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

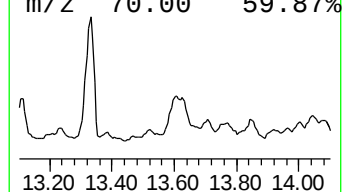
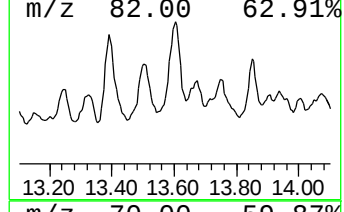
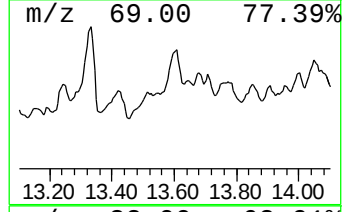
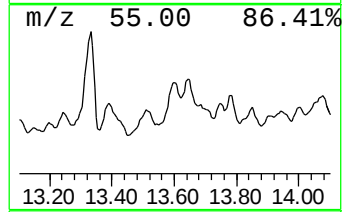
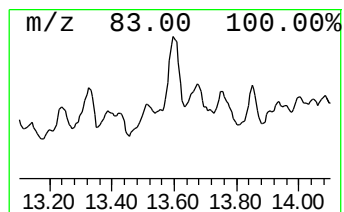
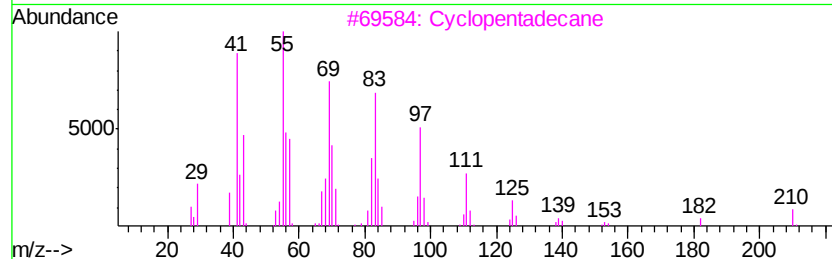
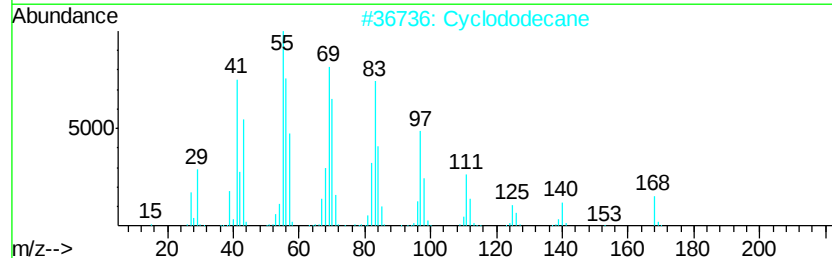
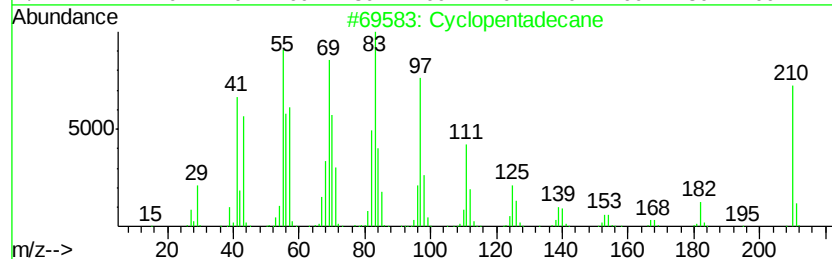
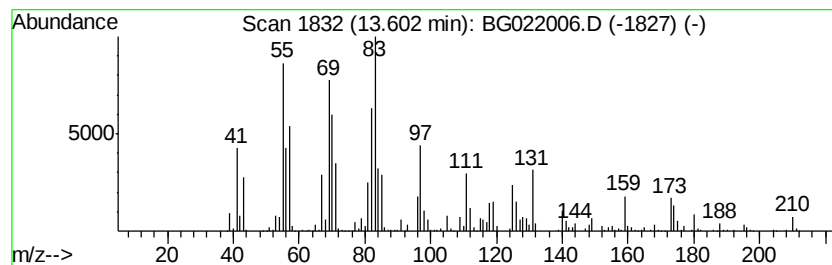
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 45 (DEL) Alkane: Cyclic13.60 Concentration Rank 21

| R.T.    | EstConc     | Area             | Relative to ISTD | R.T.           |
|---------|-------------|------------------|------------------|----------------|
| 13.60   | 13.84 ng/ul | 1571090          | Acenaphthene-d10 | 14.80          |
| Hit# of | 5           | Tentative ID     | MW MolForm       | CAS# Qual      |
| 1       |             | Cyclopentadecane | 210 C15H30       | 000295-48-7 86 |
| 2       |             | Cyclododecane    | 168 C12H24       | 000294-62-2 58 |
| 3       |             | Cyclopentadecane | 210 C15H30       | 000295-48-7 52 |
| 4       |             | Cyclododecane    | 168 C12H24       | 000294-62-2 52 |
| 5       |             | 1-Decene         | 140 C10H20       | 000872-05-9 52 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

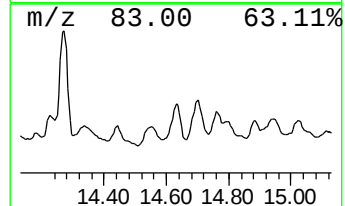
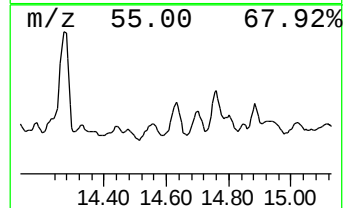
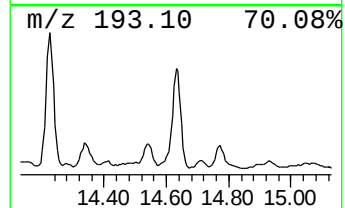
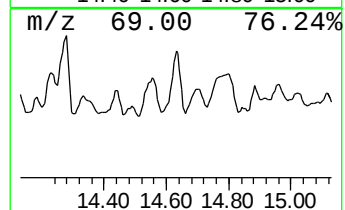
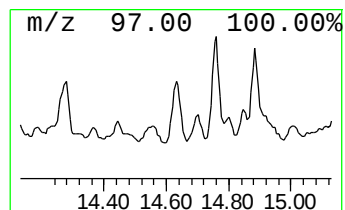
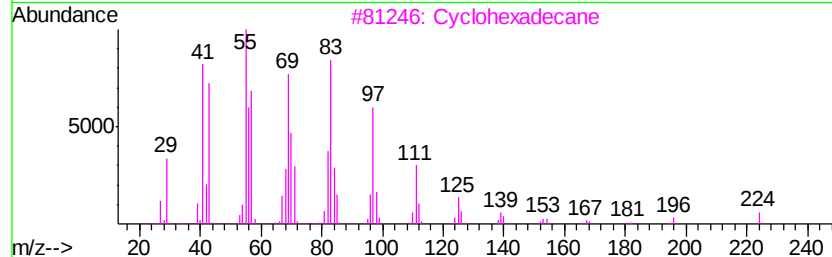
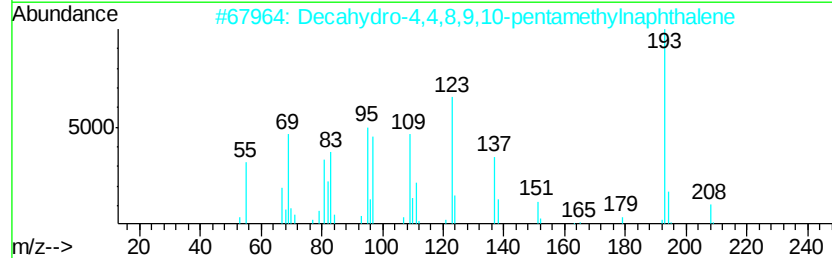
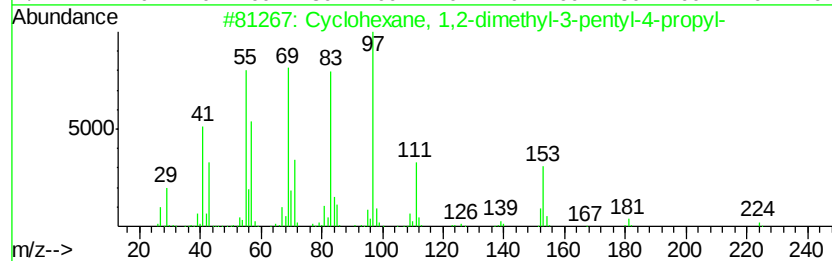
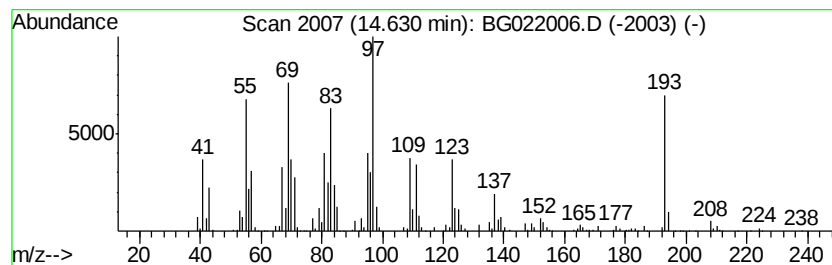
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 14.63 | 20.50 ng/ul | 2327230 | Acenaphthene-d10 | 14.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32  | 062376-17-4 | 64   |
| 2    |    | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28  | 080655-44-3 | 38   |
| 3    |    | Cyclohexadecane                     | 224 | C16H32  | 000295-65-8 | 30   |
| 4    |    | 1,7-Dimethyl-4-(1-methylethyl)cy... | 210 | C15H30  | 000645-10-3 | 27   |
| 5    |    | Cyclopentane, 1-pentyl-2-propyl-    | 182 | C13H26  | 062199-51-3 | 25   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

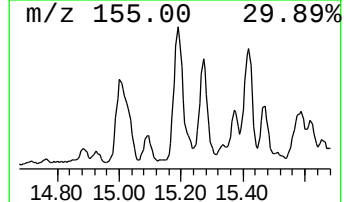
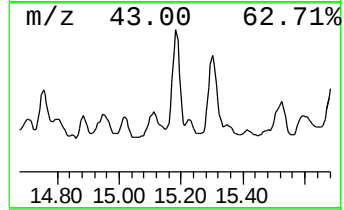
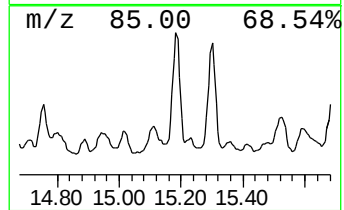
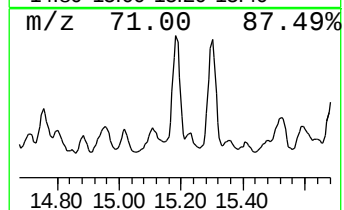
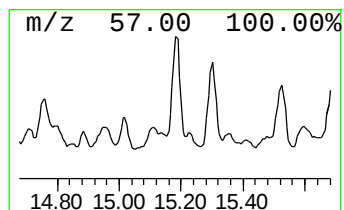
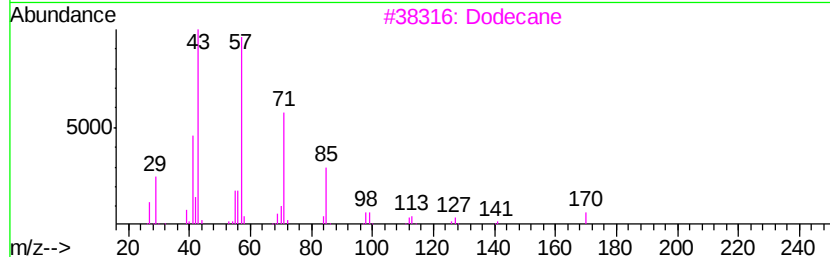
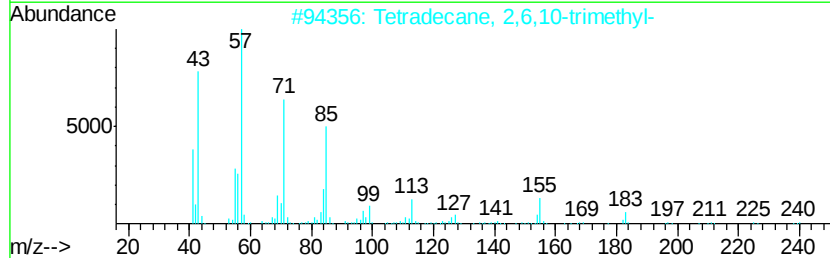
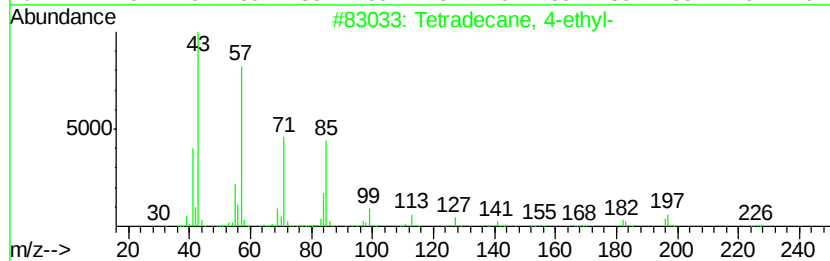
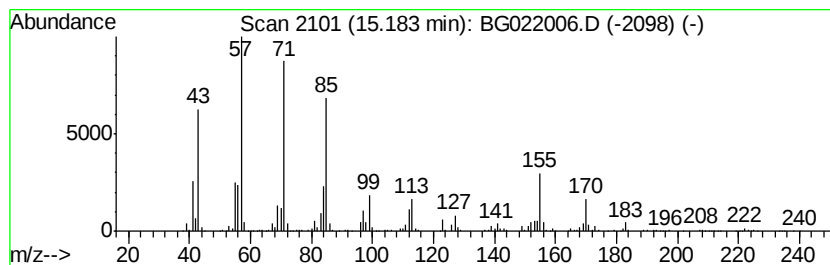
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.18 | 15.34 ng/ul | 1740690 | Acenaphthene-d10 | 14.80 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane, 4-ethyl-               | 226 | C16H34  | 055045-14-2 | 76   |
| 2    |    |   | Tetradecane, 2,6,10-trimethyl-      | 240 | C17H36  | 014905-56-7 | 72   |
| 3    |    |   | Dodecane                            | 170 | C12H26  | 000112-40-3 | 68   |
| 4    |    |   | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 64   |
| 5    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 58   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

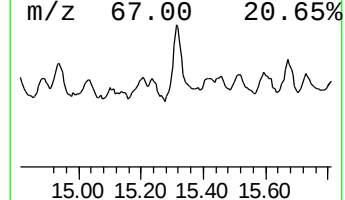
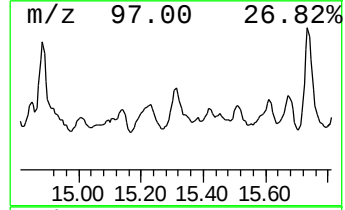
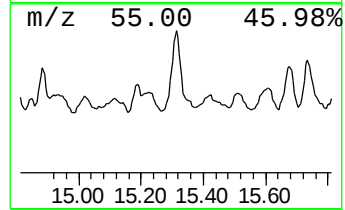
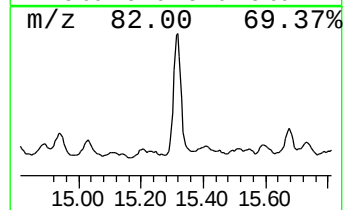
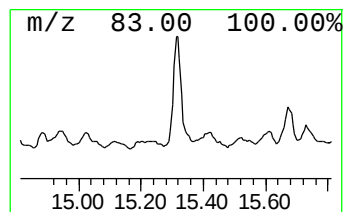
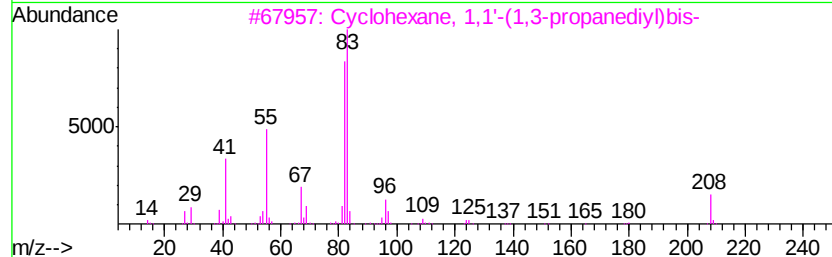
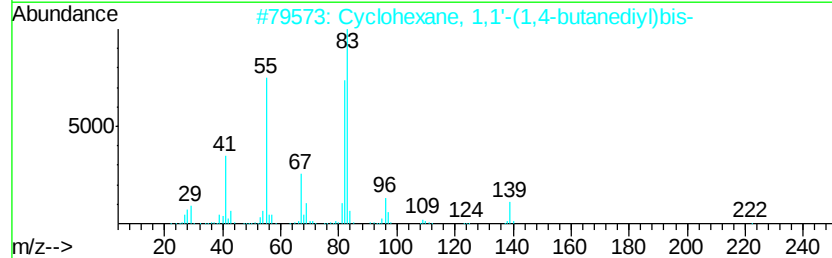
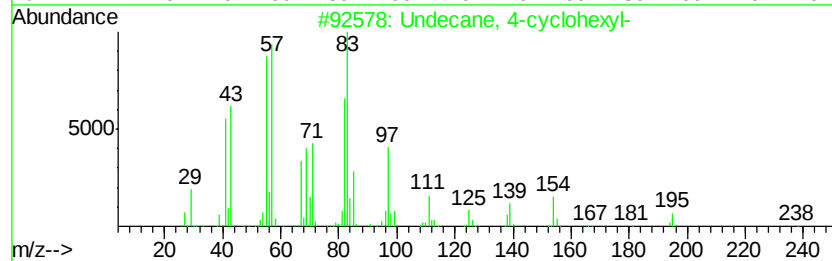
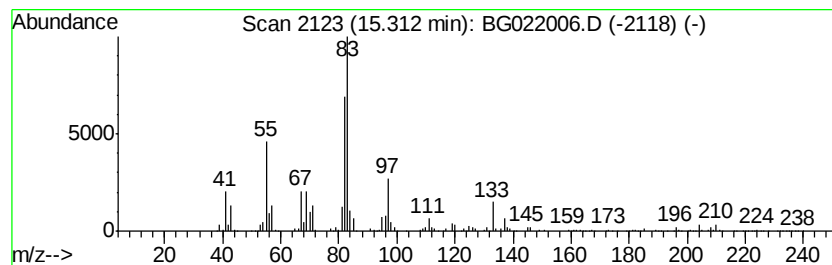
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 48 (DEL) Alkane: Cyclic15.31 Concentration Rank 10

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.31 | 23.01 ng/ul | 2612190 | Acenaphthene-d10 | 14.80 |

| Hit# | of | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 4-cyclohexyl-                 | 238 | C17H34  | 013151-79-6 | 64   |
| 2    |    | Cyclohexane, 1,1'-(1,4-butanediyl)bis-  | 222 | C16H30  | 006165-44-2 | 55   |
| 3    |    | Cyclohexane, 1,1'-(1,3-propanediyl)bis- | 208 | C15H28  | 003178-24-3 | 55   |
| 4    |    | n-Nonylcyclohexane                      | 210 | C15H30  | 002883-02-5 | 49   |
| 5    |    | Cyclohexane, octyl-                     | 196 | C14H28  | 001795-15-9 | 49   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

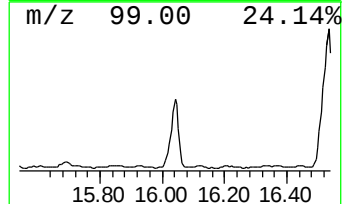
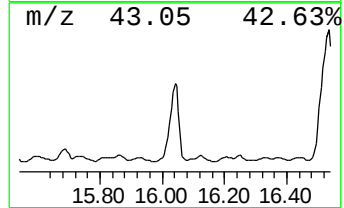
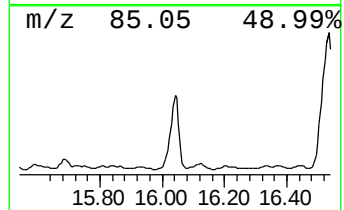
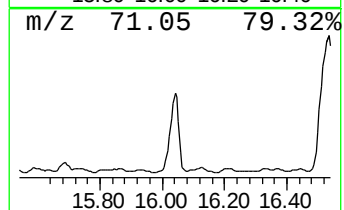
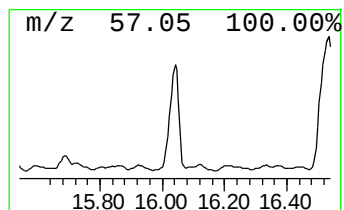
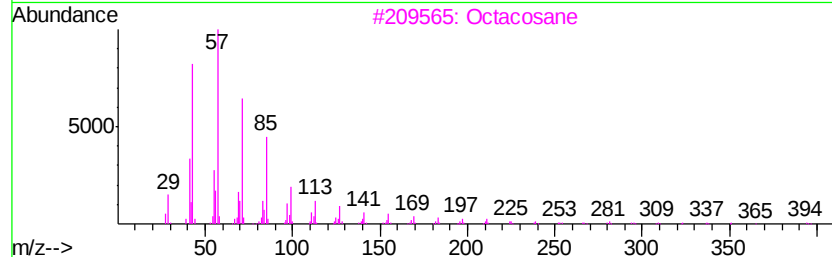
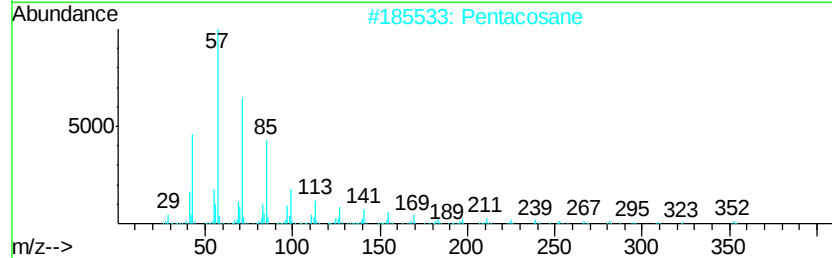
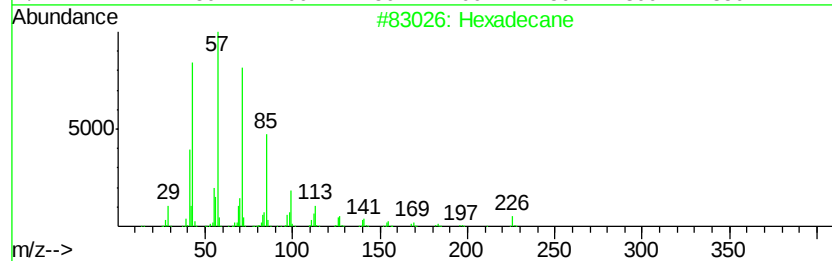
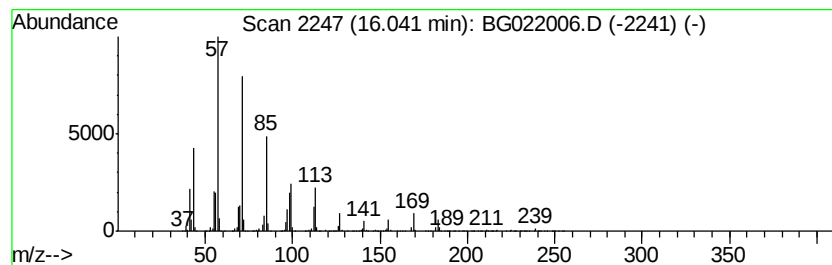
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 16.04 | 88.33 ng/ul | 10025900 | Acenaphthene-d10 | 14.80 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane          | 226 | C16H34  | 000544-76-3 | 86   |
| 2    |    | Pentacosane         | 352 | C25H52  | 000629-99-2 | 72   |
| 3    |    | Octacosane          | 394 | C28H58  | 000630-02-4 | 72   |
| 4    |    | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0 | 72   |
| 5    |    | 5,5-Dibutylnonane   | 240 | C17H36  | 006008-17-9 | 72   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

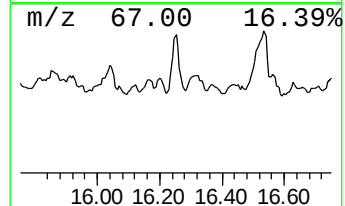
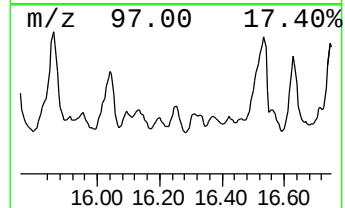
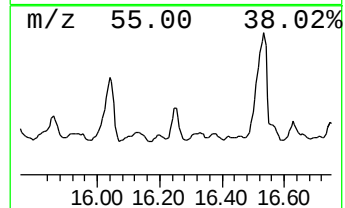
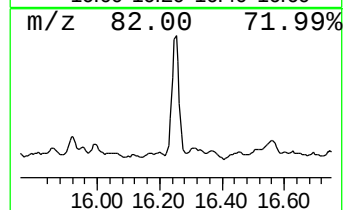
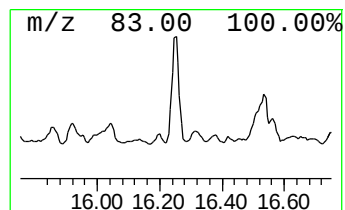
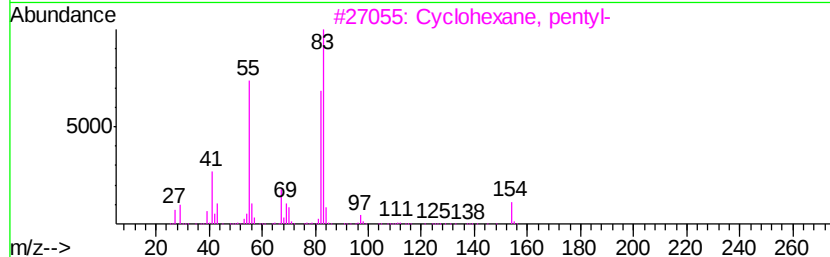
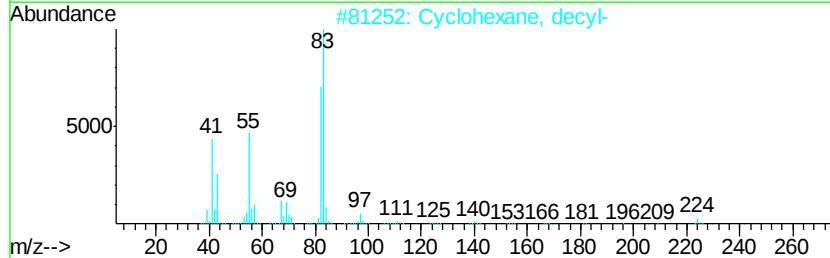
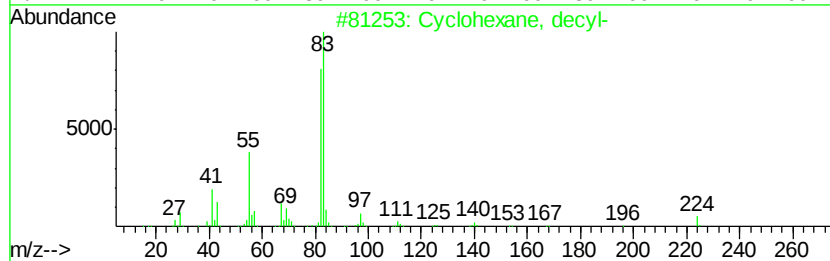
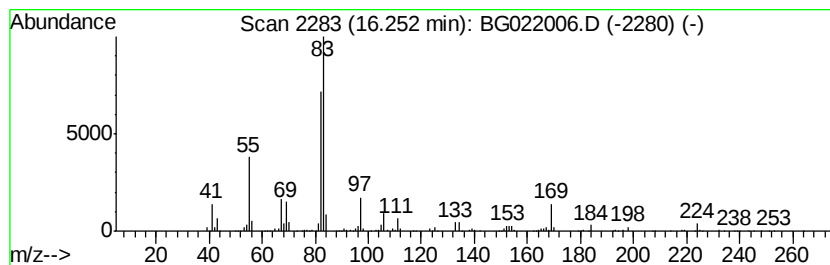
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 51 (DEL) Alkane: Cyclic16.25 Concentration Rank 50

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 16.25 | 2.70 ng/ul | 1332580 | Phenanthrene-d10 | 17.55 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, decyl-  | 224 | C16H32  | 001795-16-0 | 76   |
| 2    |    |   | Cyclohexane, decyl-  | 224 | C16H32  | 001795-16-0 | 68   |
| 3    |    |   | Cyclohexane, pentyl- | 154 | C11H22  | 004292-92-6 | 64   |
| 4    |    |   | Cyclohexane, pentyl- | 154 | C11H22  | 004292-92-6 | 59   |
| 5    |    |   | n-Nonylcyclohexane   | 210 | C15H30  | 002883-02-5 | 59   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

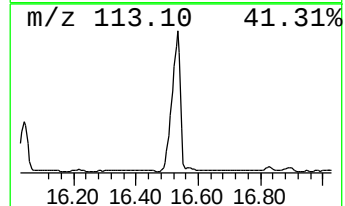
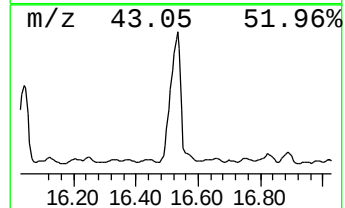
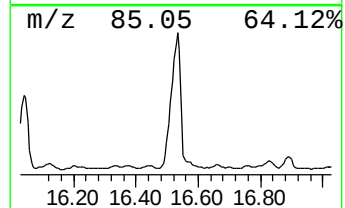
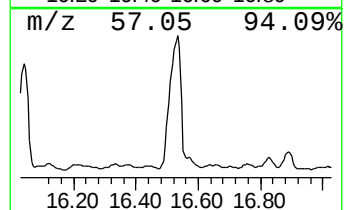
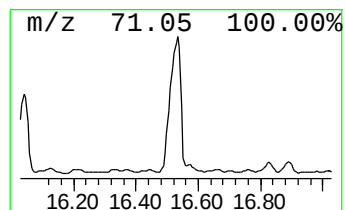
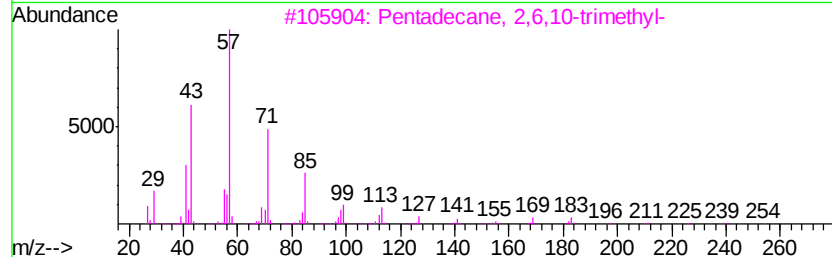
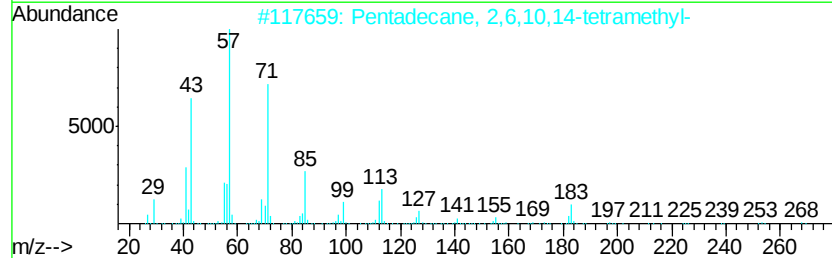
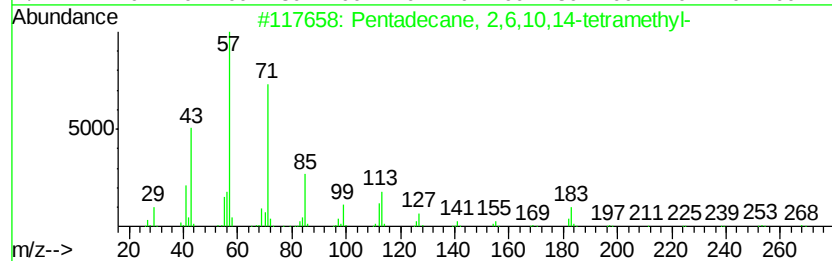
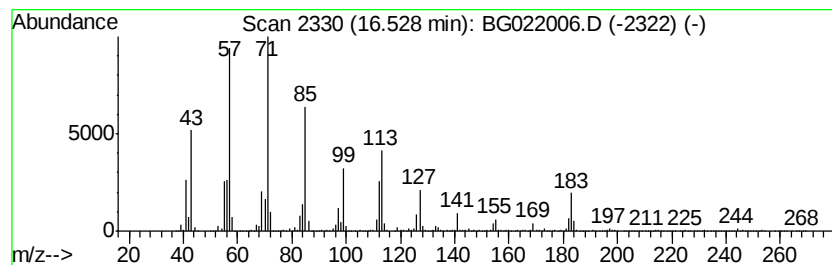
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 16.53 | 42.16 ng/ul | 20837700 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 87   |
| 2    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 80   |
| 3    |    | Pentadecane, 2,6,10-trimethyl-      | 254 | C18H38  | 003892-00-0 | 68   |
| 4    |    | Nonane, 3,7-dimethyl-               | 156 | C11H24  | 017302-32-8 | 55   |
| 5    |    | Pentadecane, 7-methyl-              | 226 | C16H34  | 006165-40-8 | 52   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

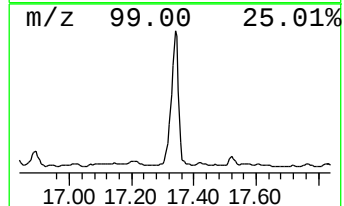
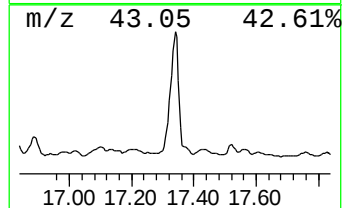
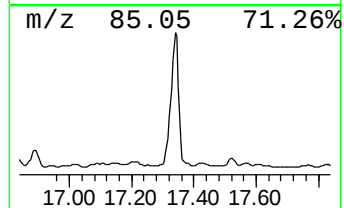
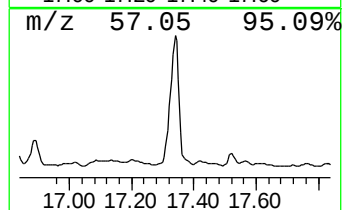
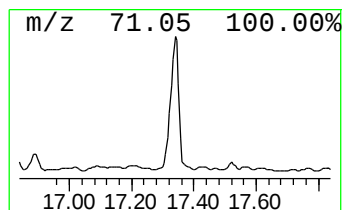
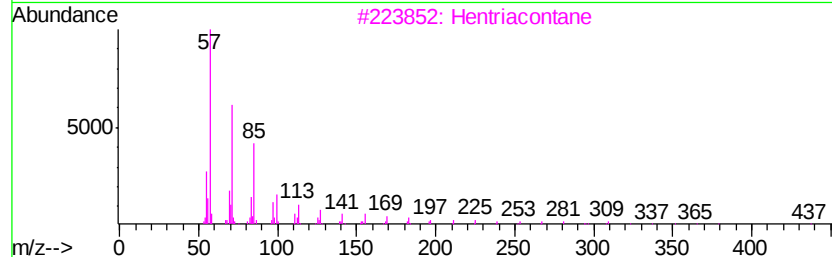
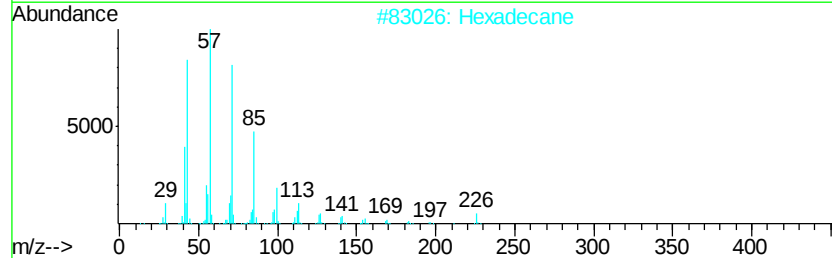
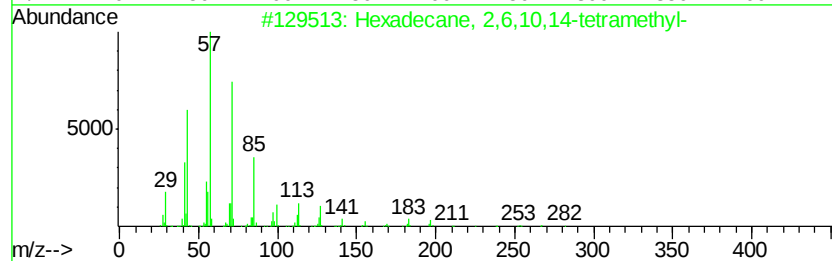
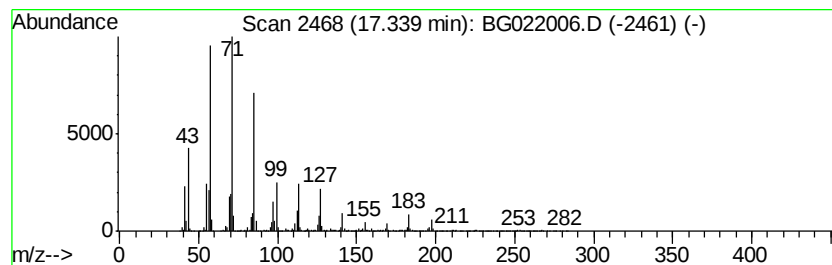
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 17.34 | 20.00 ng/ul | 9885900 | Phenanthrene-d10 | 17.55 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 91   |
| 2    |    | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Hentriacontane                     | 437 | C31H64  | 000630-04-6 | 78   |
| 4    |    | Heptadecane                        | 240 | C17H36  | 000629-78-7 | 72   |
| 5    |    | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 72   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022006.D  
Acq On : 22 May 2016 10:41  
Operator : UM/SJ  
Sample : H3124-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION

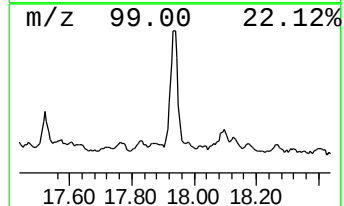
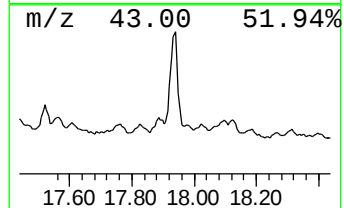
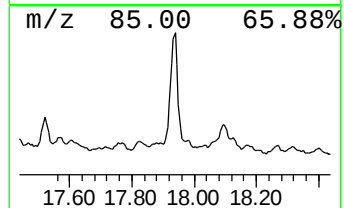
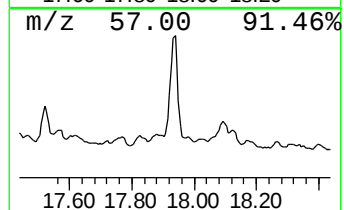
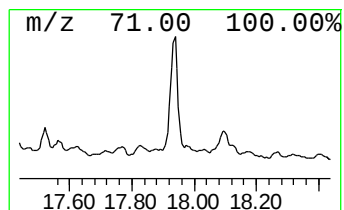
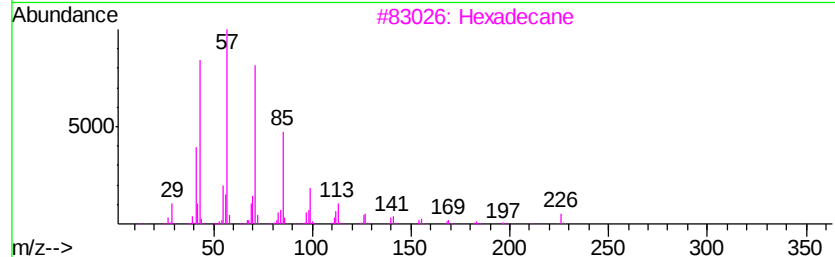
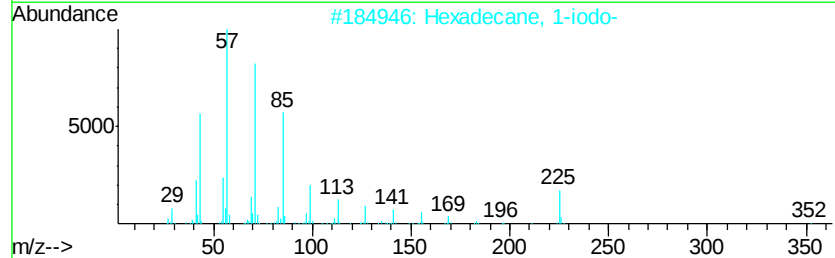
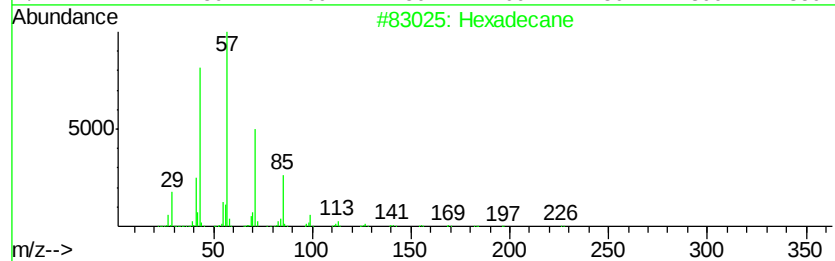
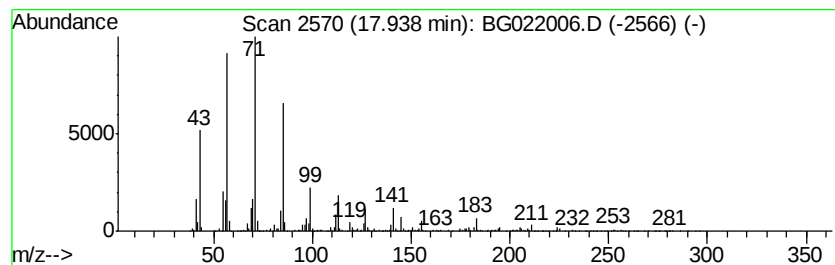
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 40

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.94 | 4.60 ng/ul | 2272330 | Phenanthrene-d10 | 17.55 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 86   |
| 2    |    |   | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 86   |
| 3    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    |   | Hexacosane          | 366 | C26H54  | 000630-01-3 | 83   |
| 5    |    |   | Dodecane, 4-methyl- | 184 | C13H28  | 006117-97-1 | 83   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
 Data File : BG022006.D  
 Acq On : 22 May 2016 10:41  
 Operator : UM/SJ  
 Sample : H3124-19  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHGG5

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.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 |
| Benzene, 1,3-dime... | 6.15  | 9.6     | ng/ul | 476091   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 6.41  | 5.2     | ng/ul | 259646   | 1                     | 8.16  | 996200  | 20.0 |
| Fumaric acid, cis... | 6.65  | 3.6     | ng/ul | 177532   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Str... | 6.80  | 9.5     | ng/ul | 475325   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Str... | 7.03  | 2.2     | ng/ul | 111671   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Str... | 7.13  | 4.4     | ng/ul | 219631   | 1                     | 8.16  | 996200  | 20.0 |
| Benzene, 1-ethyl-... | 7.24  | 5.2     | ng/ul | 259493   | 1                     | 8.16  | 996200  | 20.0 |
| Benzene, 1,2,3-tr... | 7.37  | 2.7     | ng/ul | 136701   | 1                     | 8.16  | 996200  | 20.0 |
| Benzene, 1-ethyl-... | 7.54  | 3.4     | ng/ul | 167322   | 1                     | 8.16  | 996200  | 20.0 |
| Benzene, 1,2,4-tr... | 7.80  | 7.5     | ng/ul | 374993   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 7.87  | 4.7     | ng/ul | 232936   | 1                     | 8.16  | 996200  | 20.0 |
| Cyclohexanol, 5-m... | 8.22  | 2.4     | ng/ul | 116866   | 1                     | 8.16  | 996200  | 20.0 |
| 2,4-Nonadiyne        | 8.28  | 4.0     | ng/ul | 199850   | 1                     | 8.16  | 996200  | 20.0 |
| Octacosanol          | 8.34  | 6.3     | ng/ul | 313157   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 8.40  | 2.8     | ng/ul | 136803   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 8.44  | 4.3     | ng/ul | 213085   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 8.50  | 2.5     | ng/ul | 125204   | 1                     | 8.16  | 996200  | 20.0 |
| unknown-01           | 8.68  | 5.3     | ng/ul | 266268   | 1                     | 8.16  | 996200  | 20.0 |
| Benzene, 1,4-diet... | 8.80  | 6.0     | ng/ul | 296610   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Str... | 8.91  | 4.3     | ng/ul | 213144   | 1                     | 8.16  | 996200  | 20.0 |
| Naphthalene, deca... | 9.00  | 22.2    | ng/ul | 1105270  | 1                     | 8.16  | 996200  | 20.0 |
| o-Cymene             | 9.16  | 9.4     | ng/ul | 469571   | 1                     | 8.16  | 996200  | 20.0 |
| (DEL) Alkane: Cyc... | 9.27  | 24.2    | ng/ul | 1204320  | 1                     | 8.16  | 996200  | 20.0 |
| Sulfurous acid, c... | 9.48  | 9.7     | ng/ul | 482110   | 1                     | 8.16  | 996200  | 20.0 |
| unknown-02           | 9.63  | 11.5    | ng/ul | 578037   | 2                     | 10.98 | 1005450 | 20.0 |
| unknown-03           | 9.71  | 5.2     | ng/ul | 262643   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 9.79  | 9.4     | ng/ul | 472472   | 2                     | 10.98 | 1005450 | 20.0 |
| Naphthalene, deca... | 9.89  | 37.2    | ng/ul | 1869730  | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 10.30 | 10.8    | ng/ul | 544786   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 10.69 | 18.2    | ng/ul | 913916   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Cyc... | 10.83 | 2.8     | ng/ul | 141065   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Cyc... | 11.19 | 17.4    | ng/ul | 872817   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Cyc... | 11.47 | 14.1    | ng/ul | 708680   | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 11.80 | 25.4    | ng/ul | 1274340  | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 11.99 | 90.7    | ng/ul | 4559590  | 2                     | 10.98 | 1005450 | 20.0 |
| (DEL) Alkane: Str... | 13.33 | 65.3    | ng/ul | 7413650  | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Cyc... | 13.60 | 13.8    | ng/ul | 1571090  | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Str... | 14.63 | 20.5    | ng/ul | 2327230  | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Str... | 15.18 | 15.3    | ng/ul | 1740690  | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Cyc... | 15.31 | 23.0    | ng/ul | 2612190  | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Str... | 16.04 | 88.3    | ng/ul | 10025900 | 3                     | 14.80 | 2270170 | 20.0 |
| (DEL) Alkane: Cyc... | 16.25 | 2.7     | ng/ul | 1332580  | 4                     | 17.55 | 9885900 | 20.0 |
| (DEL) Alkane: Str... | 16.53 | 42.2    | ng/ul | 20837700 | 4                     | 17.55 | 9885900 | 20.0 |
| (DEL) Alkane: Str... | 17.34 | 20.0    | ng/ul | 9885900  | 4                     | 17.55 | 9885900 | 20.0 |
| (DEL) Alkane: Str... | 17.94 | 4.6     | ng/ul | 2272330  | 4                     | 17.55 | 9885900 | 20.0 |