

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
 Data File : BM001004.D  
 Acq On : 15 Apr 2015 03:22  
 Operator : TP/IZ  
 Sample : G1858-06  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SD006-0006-01

## 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\_M\METHODS\SOM01.2-EPA-BM041415.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         | 2.740       | 3             | 9           | 17           | rBV      | 2774395        | 5280342       | 38.91%          | 1.837%        |
| 2         | 2.816       | 17            | 22          | 28           | rVB      | 5159840        | 6471932       | 47.69%          | 2.252%        |
| 3         | 6.781       | 690           | 696         | 710          | rVB      | 1051838        | 1860077       | 13.71%          | 0.647%        |
| 4         | 6.940       | 714           | 723         | 734          | rBV      | 915120         | 1455390       | 10.72%          | 0.506%        |
| 5         | 7.134       | 750           | 756         | 767          | rVB      | 1111009        | 1792573       | 13.21%          | 0.624%        |
| 6         | 7.228       | 767           | 772         | 783          | rVB2     | 277359         | 444959        | 3.28%           | 0.155%        |
| 7         | 7.598       | 826           | 835         | 842          | rVB2     | 1332919        | 2351438       | 17.33%          | 0.818%        |
| 8         | 8.310       | 951           | 956         | 961          | rBV      | 592017         | 908791        | 6.70%           | 0.316%        |
| 9         | 8.698       | 1010          | 1022        | 1026         | rBV6     | 279863         | 742356        | 5.47%           | 0.258%        |
| 10        | 8.757       | 1026          | 1032        | 1038         | rVV      | 1007783        | 1746930       | 12.87%          | 0.608%        |
| 11        | 8.822       | 1039          | 1043        | 1053         | rVB      | 1171958        | 1892476       | 13.95%          | 0.658%        |
| 12        | 8.945       | 1060          | 1064        | 1070         | rVB5     | 234464         | 459802        | 3.39%           | 0.160%        |
| 13        | 9.057       | 1070          | 1083        | 1084         | rBV6     | 159501         | 450253        | 3.32%           | 0.157%        |
| 14        | 9.304       | 1118          | 1125        | 1131         | rVV4     | 330403         | 700046        | 5.16%           | 0.244%        |
| 15        | 9.475       | 1147          | 1154        | 1158         | rVV      | 898411         | 1502032       | 11.07%          | 0.523%        |
| 16        | 9.563       | 1165          | 1169        | 1178         | rVB5     | 527469         | 960038        | 7.07%           | 0.334%        |
| 17        | 9.816       | 1209          | 1212        | 1222         | rVB      | 374053         | 739659        | 5.45%           | 0.257%        |
| 18        | 10.010      | 1236          | 1245        | 1252         | rVB      | 1186813        | 2120706       | 15.63%          | 0.738%        |
| 19        | 10.369      | 1297          | 1306        | 1314         | rBV2     | 3104100        | 7437429       | 54.81%          | 2.588%        |
| 20        | 10.545      | 1325          | 1336        | 1342         | rBV2     | 1120273        | 2997559       | 22.09%          | 1.043%        |
| 21        | 10.610      | 1343          | 1347        | 1354         | rVV8     | 219163         | 474767        | 3.50%           | 0.165%        |
| 22        | 10.869      | 1387          | 1391        | 1396         | rVB3     | 358413         | 554671        | 4.09%           | 0.193%        |
| 23        | 11.057      | 1416          | 1423        | 1424         | rBV5     | 281595         | 555966        | 4.10%           | 0.193%        |
| 24        | 11.145      | 1436          | 1438        | 1445         | rVB3     | 241182         | 411354        | 3.03%           | 0.143%        |
| 25        | 11.222      | 1446          | 1451        | 1458         | rBV7     | 338709         | 648290        | 4.78%           | 0.226%        |
| 26        | 11.304      | 1460          | 1465        | 1471         | rVB2     | 748344         | 1400215       | 10.32%          | 0.487%        |
| 27        | 11.410      | 1477          | 1483        | 1492         | rBV      | 2027579        | 4042895       | 29.79%          | 1.407%        |
| 28        | 11.569      | 1506          | 1510        | 1514         | rVB4     | 324887         | 475131        | 3.50%           | 0.165%        |
| 29        | 11.669      | 1520          | 1527        | 1532         | rBV3     | 506747         | 1071243       | 7.89%           | 0.373%        |
| 30        | 11.816      | 1546          | 1552        | 1562         | rBV      | 4051067        | 6497305       | 47.88%          | 2.260%        |
| 31        | 12.128      | 1599          | 1605        | 1608         | rBV4     | 458149         | 922766        | 6.80%           | 0.321%        |
| 32        | 12.275      | 1624          | 1630        | 1634         | rBV4     | 455649         | 937371        | 6.91%           | 0.326%        |
| 33        | 12.463      | 1658          | 1662        | 1666         | rVB2     | 379417         | 489646        | 3.61%           | 0.170%        |
| 34        | 12.522      | 1666          | 1672        | 1678         | rVB5     | 502019         | 1152663       | 8.49%           | 0.401%        |

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 Max Peaks: 100  
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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 35 | 12.645 | 1689 | 1693 | 1696 | rBV2 | 773048  | 1143215  | 8.42%  | 0.398% |
| 36 | 12.733 | 1704 | 1708 | 1712 | rBV  | 737919  | 1198594  | 8.83%  | 0.417% |
| 37 | 12.786 | 1713 | 1717 | 1722 | rVV  | 2665621 | 3856583  | 28.42% | 1.342% |
| 38 | 12.845 | 1722 | 1727 | 1732 | rVB4 | 611877  | 1203063  | 8.87%  | 0.419% |
| 39 | 13.027 | 1752 | 1758 | 1762 | rBV  | 3404131 | 5282758  | 38.93% | 1.838% |
| 40 | 13.080 | 1762 | 1767 | 1774 | rVB  | 6121198 | 9078682  | 66.90% | 3.159% |
| 41 | 13.174 | 1780 | 1783 | 1791 | rVB3 | 541047  | 1125591  | 8.29%  | 0.392% |
| 42 | 13.251 | 1793 | 1796 | 1801 | rVV4 | 391628  | 541852   | 3.99%  | 0.189% |
| 43 | 13.416 | 1819 | 1824 | 1830 | rBV  | 666191  | 1676469  | 12.35% | 0.583% |
| 44 | 13.574 | 1847 | 1851 | 1855 | rBV  | 1356194 | 2180230  | 16.07% | 0.759% |
| 45 | 13.627 | 1857 | 1860 | 1863 | rVV2 | 727601  | 1028981  | 7.58%  | 0.358% |
| 46 | 13.669 | 1863 | 1867 | 1872 | rVB  | 4641563 | 6371797  | 46.95% | 2.217% |
| 47 | 13.722 | 1872 | 1876 | 1877 | rBV  | 1441417 | 1869557  | 13.78% | 0.650% |
| 48 | 13.745 | 1877 | 1880 | 1884 | rVV2 | 4687602 | 5963298  | 43.94% | 2.075% |
| 49 | 13.786 | 1884 | 1887 | 1895 | rVB2 | 1583554 | 2638664  | 19.44% | 0.918% |
| 50 | 13.863 | 1898 | 1900 | 1904 | rVB  | 711581  | 775495   | 5.71%  | 0.270% |
| 51 | 13.904 | 1904 | 1907 | 1910 | rBV3 | 647642  | 850529   | 6.27%  | 0.296% |
| 52 | 13.951 | 1910 | 1915 | 1919 | rBV  | 2277202 | 3077795  | 22.68% | 1.071% |
| 53 | 14.045 | 1928 | 1931 | 1934 | rVB  | 912912  | 1058168  | 7.80%  | 0.368% |
| 54 | 14.086 | 1934 | 1938 | 1945 | rVB3 | 2225990 | 3762569  | 27.73% | 1.309% |
| 55 | 14.163 | 1946 | 1951 | 1956 | rBV  | 8463019 | 11643531 | 85.80% | 4.051% |
| 56 | 14.227 | 1956 | 1962 | 1963 | rBV4 | 1001692 | 1683455  | 12.41% | 0.586% |
| 57 | 14.257 | 1964 | 1967 | 1974 | rVB2 | 2636244 | 4053801  | 29.87% | 1.410% |
| 58 | 14.474 | 1999 | 2004 | 2012 | rVB3 | 1307419 | 3284477  | 24.20% | 1.143% |
| 59 | 14.663 | 2033 | 2036 | 2041 | rVB2 | 1771065 | 2586897  | 19.06% | 0.900% |
| 60 | 14.733 | 2045 | 2048 | 2053 | rVB2 | 1112785 | 1574583  | 11.60% | 0.548% |
| 61 | 14.786 | 2053 | 2057 | 2064 | rVB2 | 2205348 | 3401541  | 25.07% | 1.183% |
| 62 | 14.857 | 2066 | 2069 | 2070 | rBV  | 556216  | 597345   | 4.40%  | 0.208% |
| 63 | 14.886 | 2071 | 2074 | 2077 | rVB  | 674778  | 803229   | 5.92%  | 0.279% |
| 64 | 14.980 | 2086 | 2090 | 2094 | rBV5 | 570775  | 987803   | 7.28%  | 0.344% |
| 65 | 15.121 | 2110 | 2114 | 2118 | rVB  | 8552707 | 9966399  | 73.44% | 3.467% |
| 66 | 15.257 | 2133 | 2137 | 2141 | rVB  | 3113783 | 4169954  | 30.73% | 1.451% |
| 67 | 15.304 | 2142 | 2145 | 2149 | rBV4 | 566694  | 905239   | 6.67%  | 0.315% |
| 68 | 15.527 | 2178 | 2183 | 2188 | rVB  | 4624341 | 6825885  | 50.30% | 2.375% |
| 69 | 15.621 | 2196 | 2199 | 2204 | rVB3 | 1323479 | 1952893  | 14.39% | 0.679% |
| 70 | 15.674 | 2205 | 2208 | 2214 | rBV2 | 1131399 | 2125174  | 15.66% | 0.739% |
| 71 | 15.739 | 2215 | 2219 | 2228 | rVB6 | 1366149 | 2899485  | 21.37% | 1.009% |

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |          |          |         |        |
|-----|--------|------|------|------|------|----------|----------|---------|--------|
| 72  | 15.986 | 2256 | 2261 | 2262 | rBV  | 9372550  | 11901465 | 87.70%  | 4.141% |
| 73  | 16.004 | 2262 | 2264 | 2270 | rVB  | 10164147 | 13570368 | 100.00% | 4.721% |
| 74  | 16.315 | 2315 | 2317 | 2321 | rBV3 | 547013   | 762135   | 5.62%   | 0.265% |
| 75  | 16.557 | 2355 | 2358 | 2360 | rBV2 | 651392   | 691487   | 5.10%   | 0.241% |
| 76  | 16.774 | 2391 | 2395 | 2399 | rVV  | 6859228  | 8164952  | 60.17%  | 2.841% |
| 77  | 16.827 | 2399 | 2404 | 2414 | rVB  | 4193219  | 7032772  | 51.82%  | 2.447% |
| 78  | 17.004 | 2430 | 2434 | 2439 | rBV  | 3104116  | 4655303  | 34.30%  | 1.620% |
| 79  | 17.104 | 2447 | 2451 | 2456 | rVB2 | 3410108  | 4715711  | 34.75%  | 1.641% |
| 80  | 17.427 | 2502 | 2506 | 2515 | rVB4 | 1337370  | 2354376  | 17.35%  | 0.819% |
| 81  | 17.509 | 2515 | 2520 | 2525 | rVB  | 6686321  | 7925163  | 58.40%  | 2.757% |
| 82  | 17.909 | 2585 | 2588 | 2593 | rBV2 | 854280   | 1335873  | 9.84%   | 0.465% |
| 83  | 18.198 | 2633 | 2637 | 2643 | rBV  | 4631758  | 5701492  | 42.01%  | 1.984% |
| 84  | 18.804 | 2737 | 2740 | 2743 | rVV  | 779196   | 1190301  | 8.77%   | 0.414% |
| 85  | 18.839 | 2743 | 2746 | 2754 | rVB  | 3684461  | 4695922  | 34.60%  | 1.634% |
| 86  | 19.068 | 2781 | 2785 | 2788 | rBV  | 1202651  | 1580423  | 11.65%  | 0.550% |
| 87  | 19.409 | 2838 | 2843 | 2850 | rBV3 | 3804764  | 8893540  | 65.54%  | 3.094% |
| 88  | 19.515 | 2857 | 2861 | 2866 | rVB  | 697052   | 1029236  | 7.58%   | 0.358% |
| 89  | 19.956 | 2933 | 2936 | 2941 | rVB  | 1667790  | 1982241  | 14.61%  | 0.690% |
| 90  | 20.456 | 3017 | 3021 | 3029 | rVB  | 998206   | 1208489  | 8.91%   | 0.420% |
| 91  | 20.915 | 3095 | 3099 | 3110 | rVB  | 2601579  | 3475394  | 25.61%  | 1.209% |
| 92  | 21.197 | 3141 | 3147 | 3151 | rBV2 | 3958066  | 5585820  | 41.16%  | 1.943% |
| 93  | 21.233 | 3151 | 3153 | 3163 | rVB  | 641854   | 850298   | 6.27%   | 0.296% |
| 94  | 21.350 | 3170 | 3173 | 3178 | rBV  | 478409   | 521152   | 3.84%   | 0.181% |
| 95  | 21.774 | 3242 | 3245 | 3256 | rVB5 | 233966   | 579626   | 4.27%   | 0.202% |
| 96  | 22.727 | 3401 | 3407 | 3412 | rBV2 | 523335   | 1223515  | 9.02%   | 0.426% |
| 97  | 23.191 | 3481 | 3486 | 3488 | rBV2 | 303809   | 497480   | 3.67%   | 0.173% |
| 98  | 23.239 | 3488 | 3494 | 3499 | rVV2 | 2318894  | 4050691  | 29.85%  | 1.409% |
| 99  | 23.380 | 3511 | 3518 | 3524 | rBV2 | 2502794  | 4587806  | 33.81%  | 1.596% |
| 100 | 23.956 | 3612 | 3616 | 3631 | rVB6 | 273408   | 575164   | 4.24%   | 0.200% |

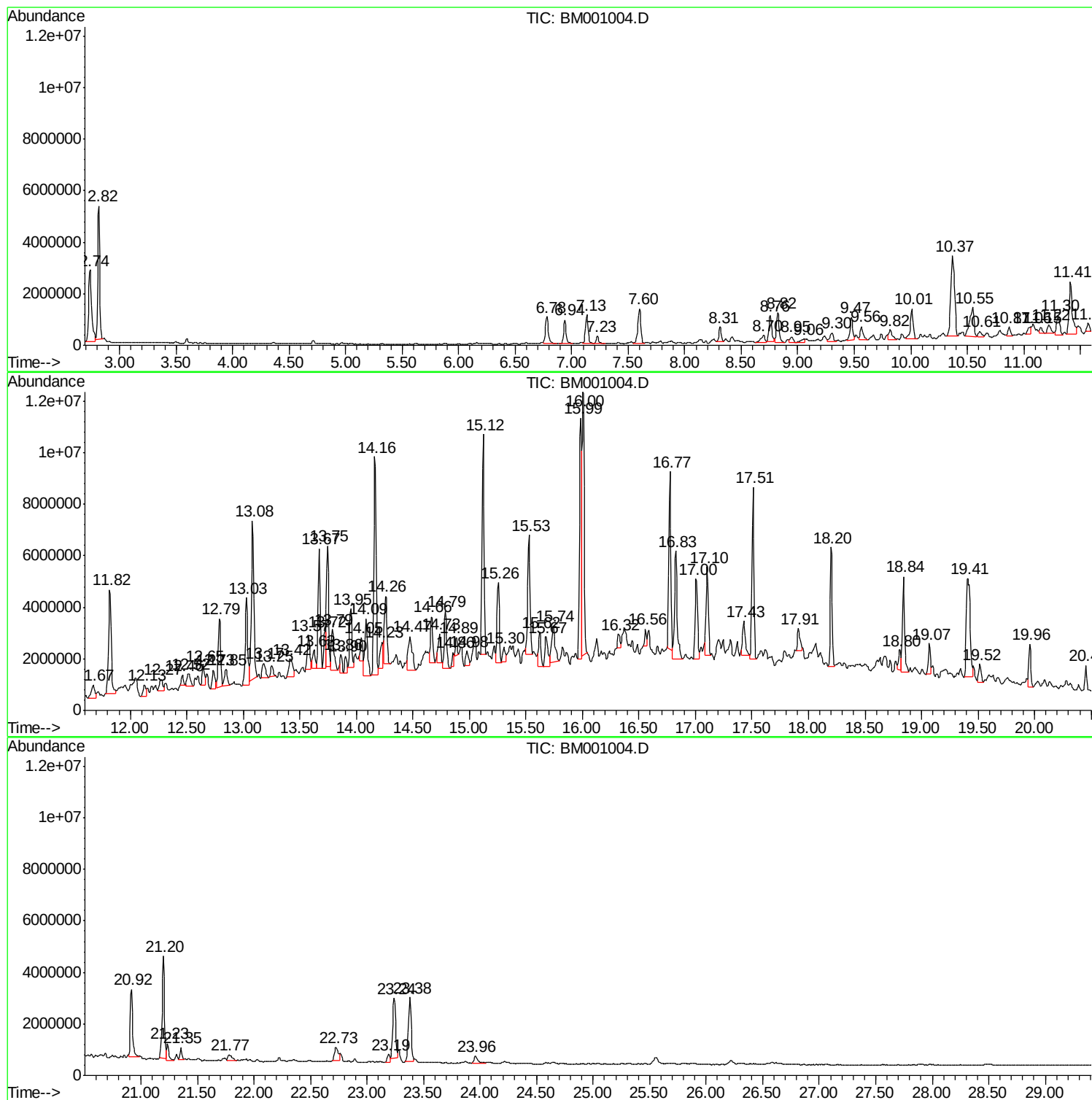
Sum of corrected areas: 287432847

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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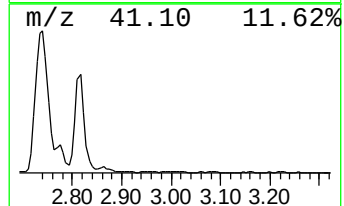
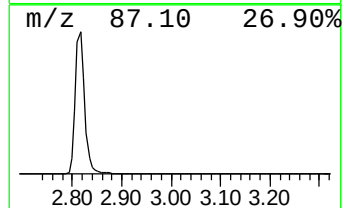
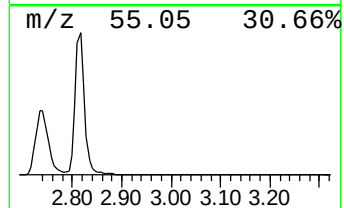
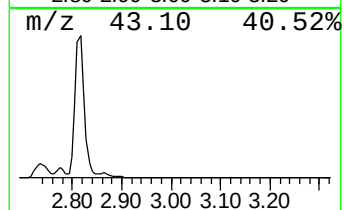
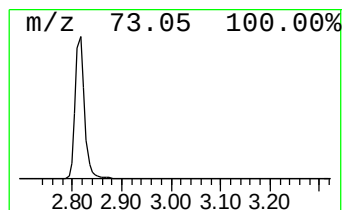
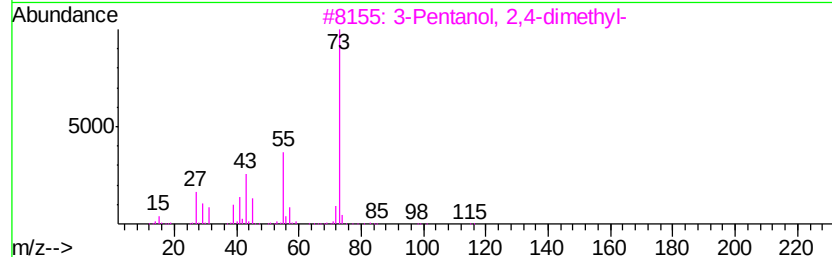
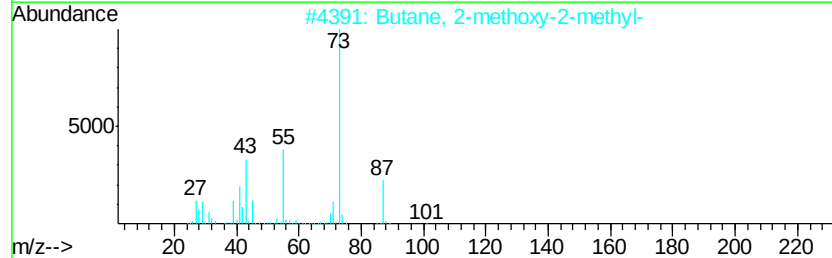
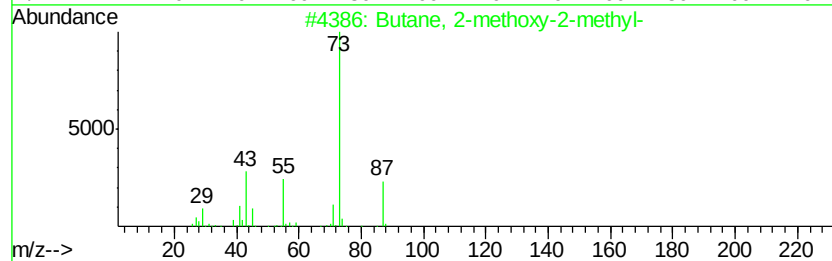
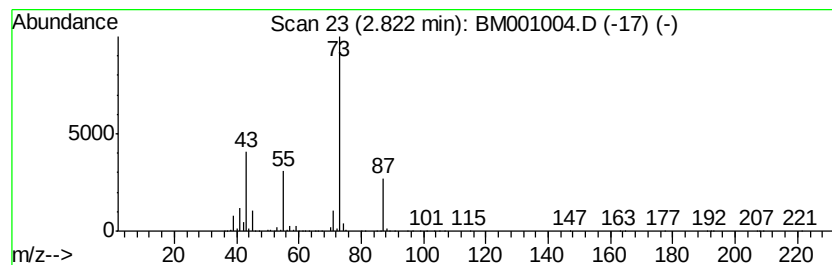
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------|--------------|------------------------|-----------|
| 2.82    | 55.05 ng/ul                 | 6471930      | 1,4-Dichlorobenzene-d4 | 7.60      |
| Hit# of | 5                           | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Butane, 2-methoxy-2-methyl- | 102 C6H14O   | 000994-05-8            | 83        |
| 2       | Butane, 2-methoxy-2-methyl- | 102 C6H14O   | 000994-05-8            | 78        |
| 3       | 3-Pentanol, 2,4-dimethyl-   | 116 C7H16O   | 000600-36-2            | 37        |
| 4       | 1,3-Dioxolane, 2-methyl-    | 88 C4H8O2    | 000497-26-7            | 23        |
| 5       | Silane, tetramethyl-        | 88 C4H12Si   | 000075-76-3            | 12        |



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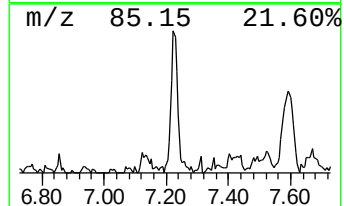
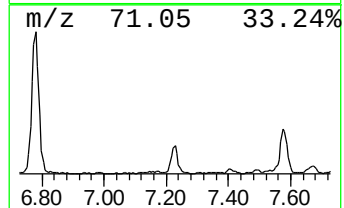
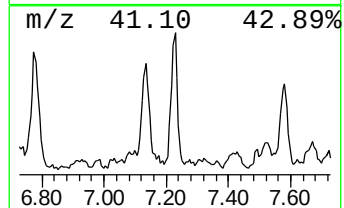
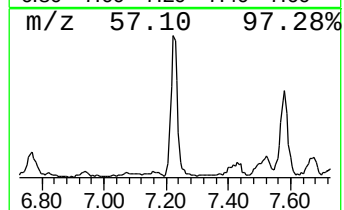
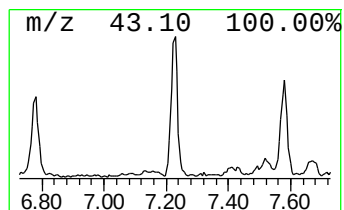
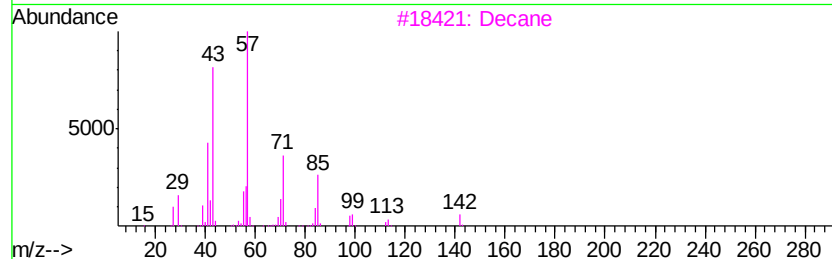
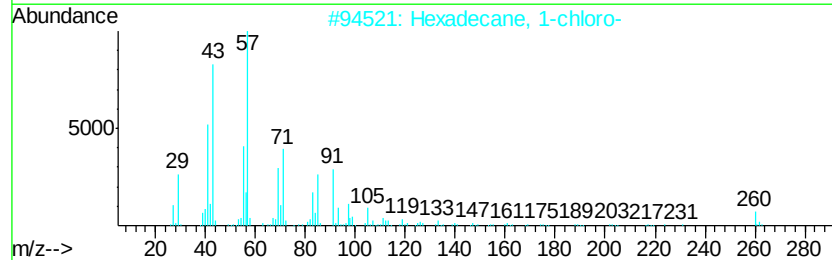
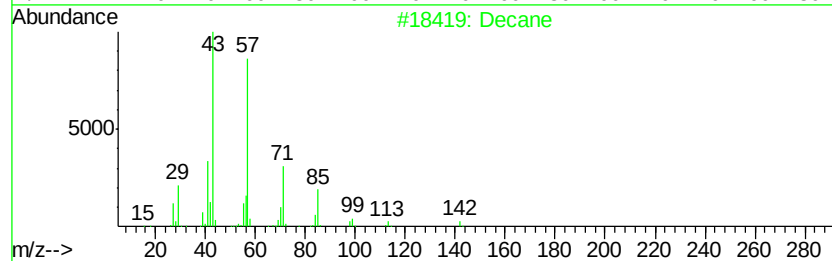
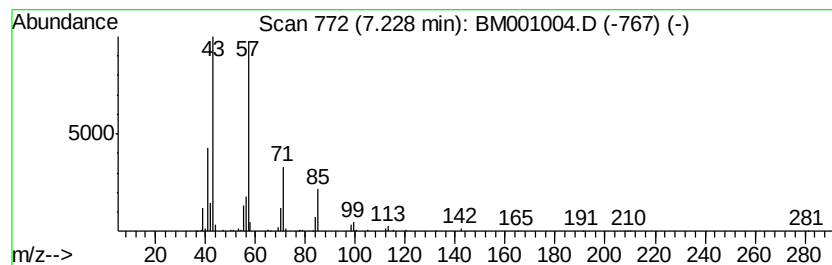
TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic Concentration Rank 46

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.23 | 3.78 ng/ul | 444959 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | Decane                | 142 | C10H22   | 000124-18-5 | 90   |
| 2    |    | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 83   |
| 3    |    | Decane                | 142 | C10H22   | 000124-18-5 | 83   |
| 4    |    | Undecane              | 156 | C11H24   | 001120-21-4 | 83   |
| 5    |    | Decane                | 142 | C10H22   | 000124-18-5 | 83   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

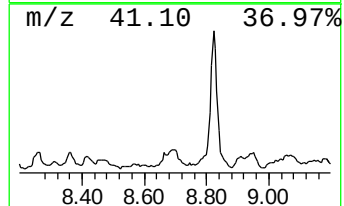
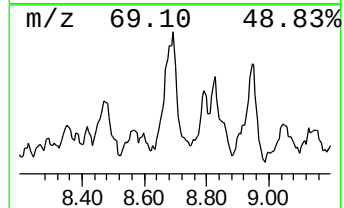
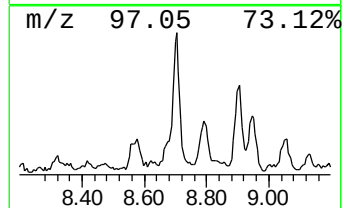
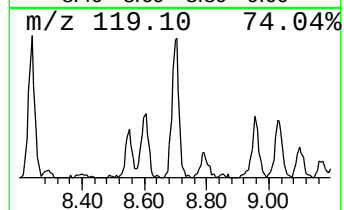
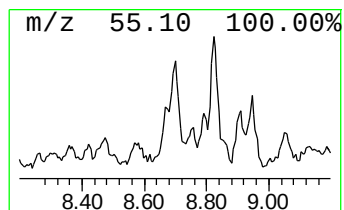
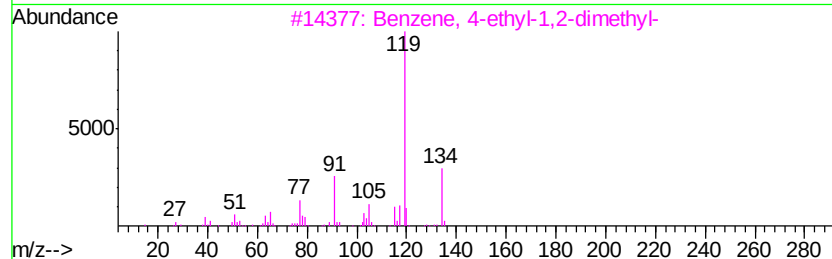
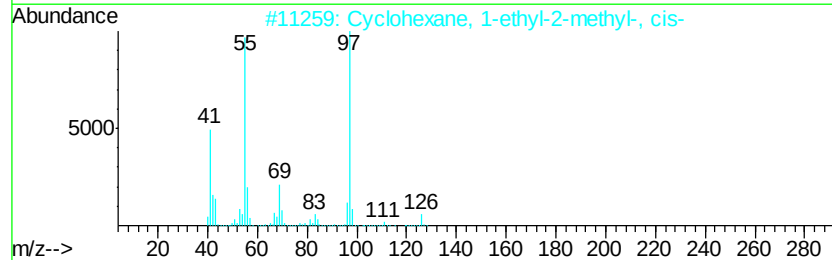
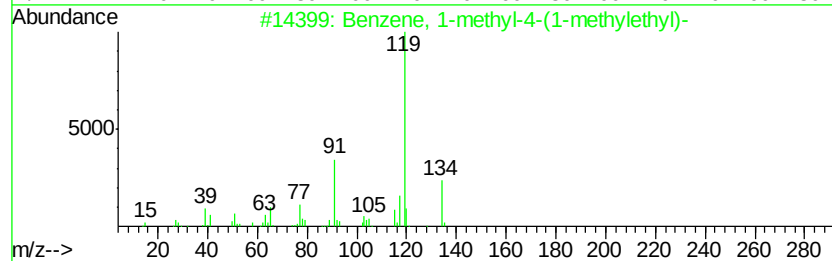
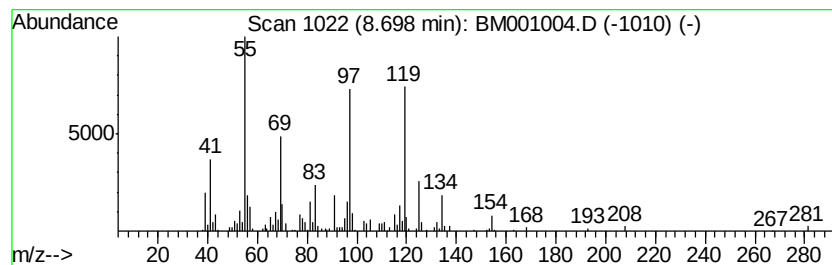
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1-methyl-4-(1-meth... Concentration Rank 32

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.70 | 6.31 ng/ul | 742356 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methyleth... | 134 | C10H14  | 000099-87-6 | 51   |
| 2    |    | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 41   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 38   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 38   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 38   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

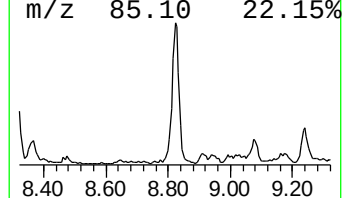
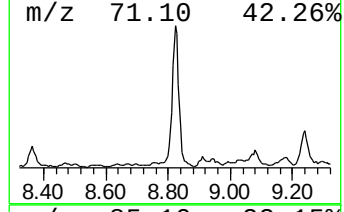
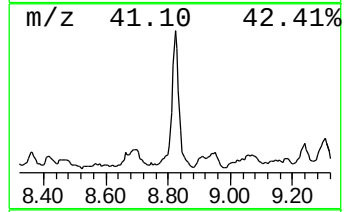
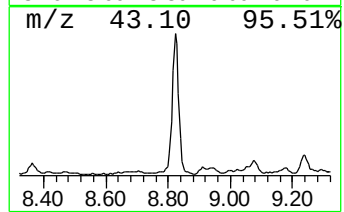
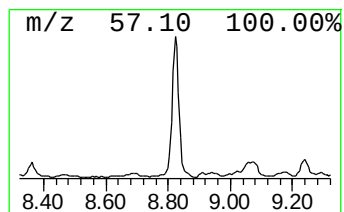
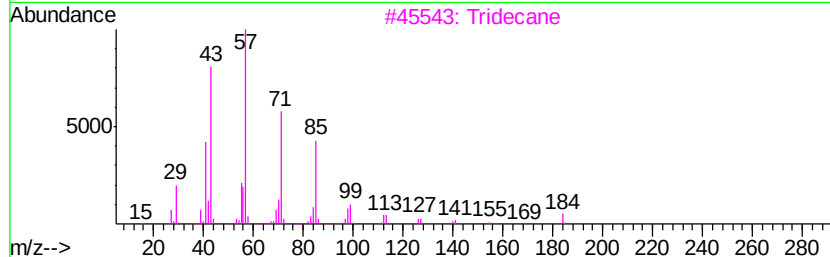
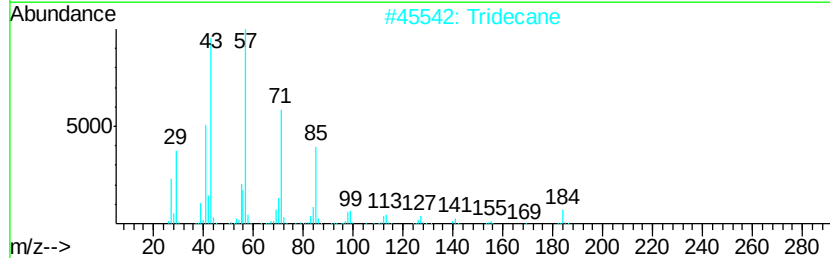
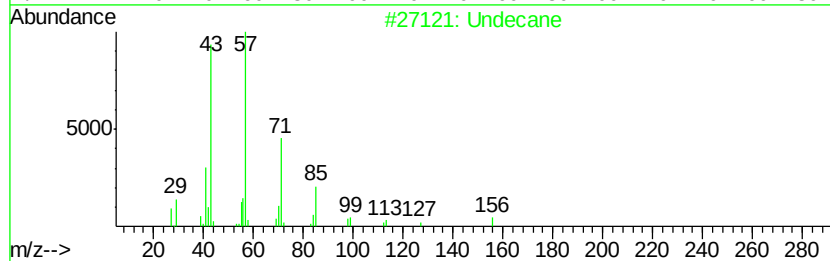
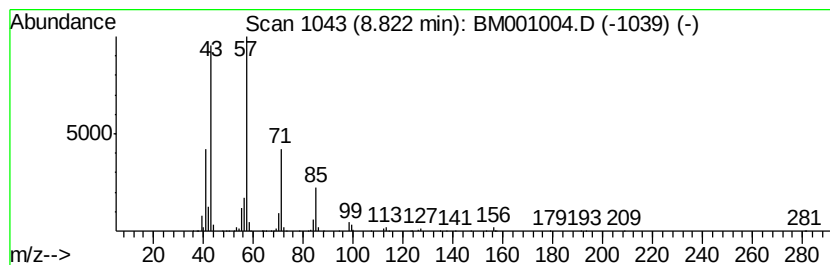
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Cyclic Concentration Rank 19

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 8.82 | 16.10 ng/ul | 1892480 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Undecane     | 156 | C11H24  | 001120-21-4 | 91   |
| 2    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |
| 3    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 83   |
| 4    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 83   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

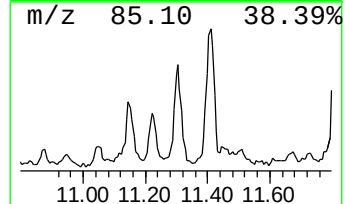
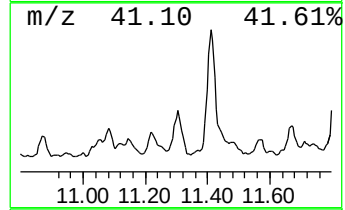
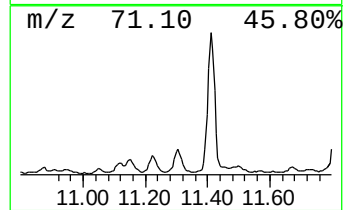
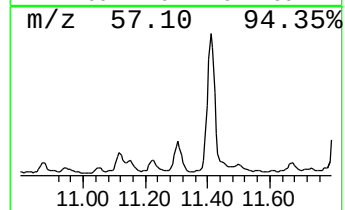
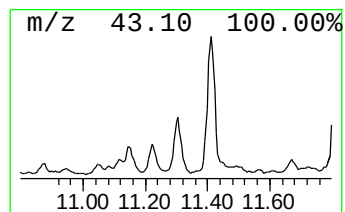
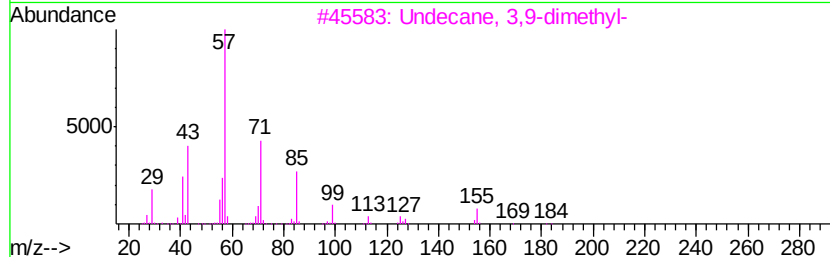
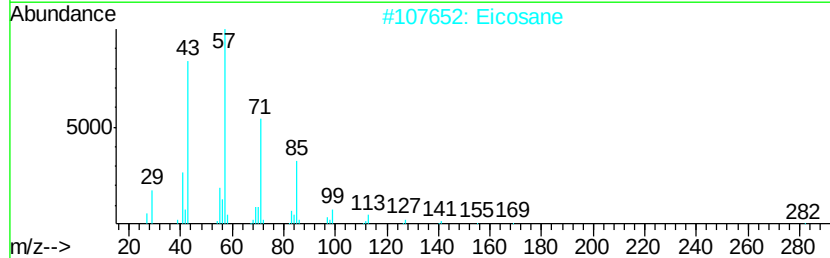
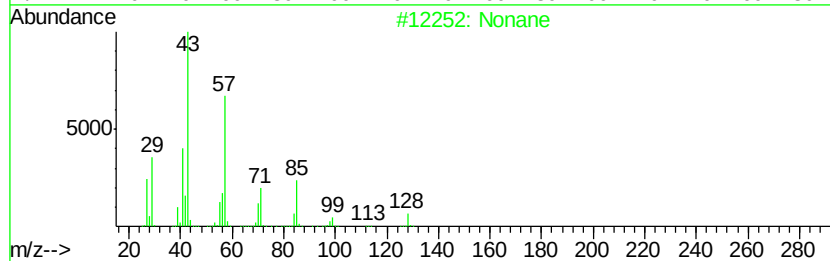
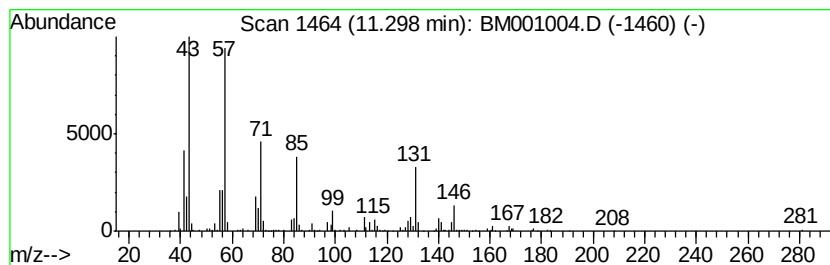
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Cyclic Concentration Rank 47

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 11.30 | 3.77 ng/ul | 1400220 | Naphthalene-d8   | 10.38 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane                  | 128 | C9H20   | 000111-84-2 | 64   |
| 2    |    | Eicosane                | 282 | C20H42  | 000112-95-8 | 62   |
| 3    |    | Undecane, 3,9-dimethyl- | 184 | C13H28  | 017301-31-4 | 59   |
| 4    |    | Tridecane, 7-propyl-    | 226 | C16H34  | 055045-09-5 | 53   |
| 5    |    | 1-Iodoundecane          | 282 | C11H23I | 004282-44-4 | 52   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

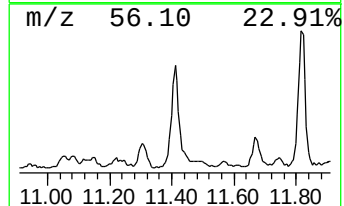
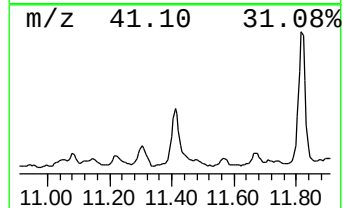
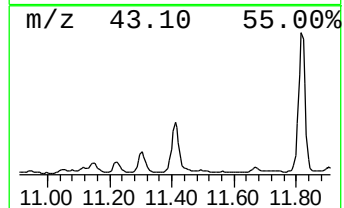
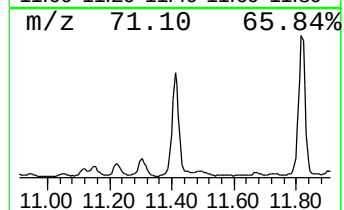
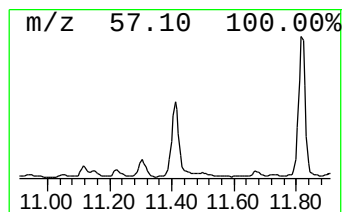
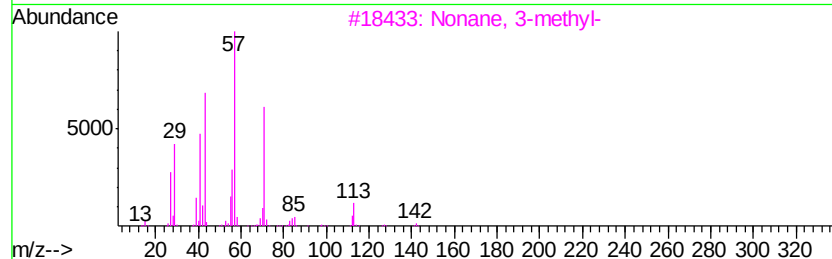
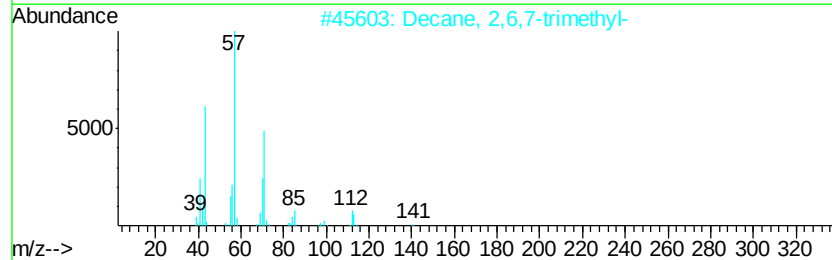
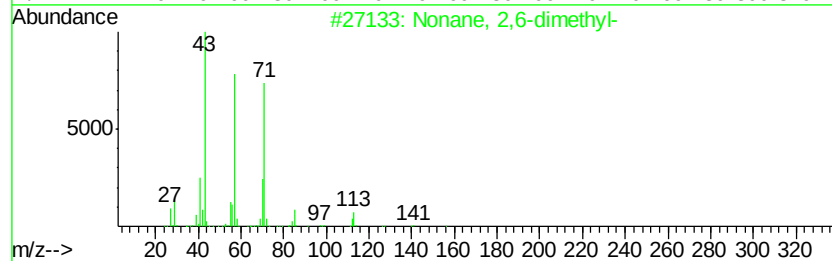
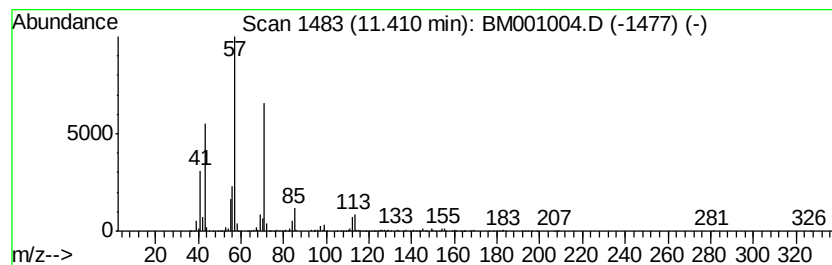
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chain Concentration Rank 24

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 11.41 | 10.87 ng/ul | 4042900 | Napthalene-d8    | 10.38 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 2,6-dimethyl-       | 156 | C11H24  | 017302-28-2 | 86   |
| 2    |    | Decane, 2,6,7-trimethyl-    | 184 | C13H28  | 062108-25-2 | 83   |
| 3    |    | Nonane, 3-methyl-           | 142 | C10H22  | 005911-04-6 | 78   |
| 4    |    | Octane, 3,6-dimethyl-       | 142 | C10H22  | 015869-94-0 | 72   |
| 5    |    | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 64   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

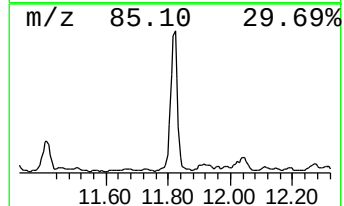
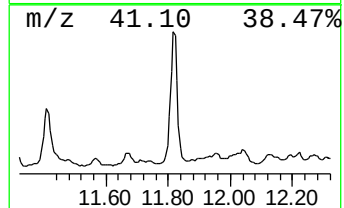
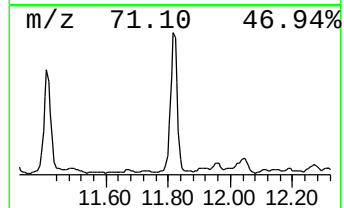
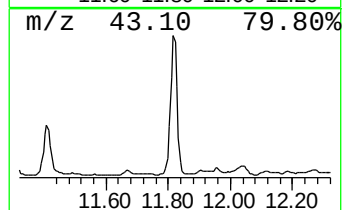
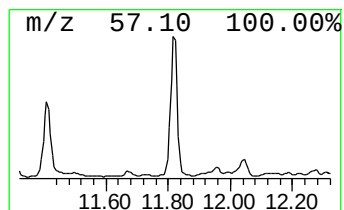
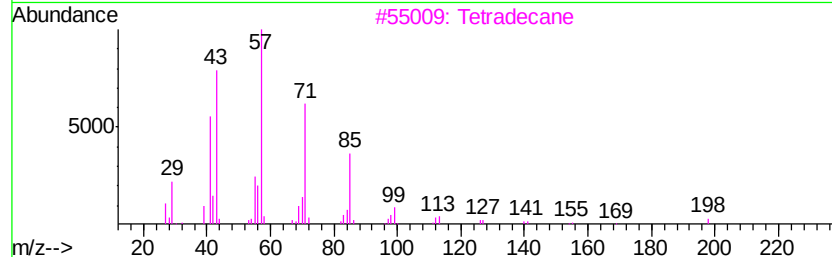
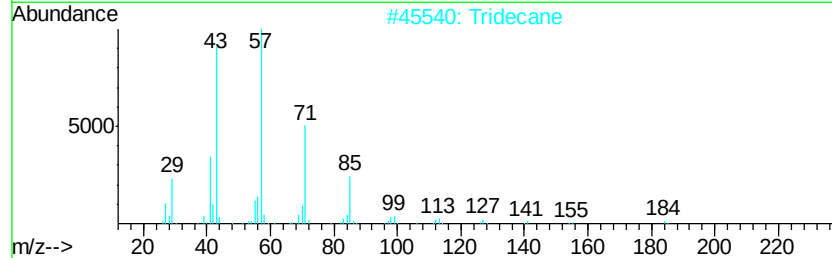
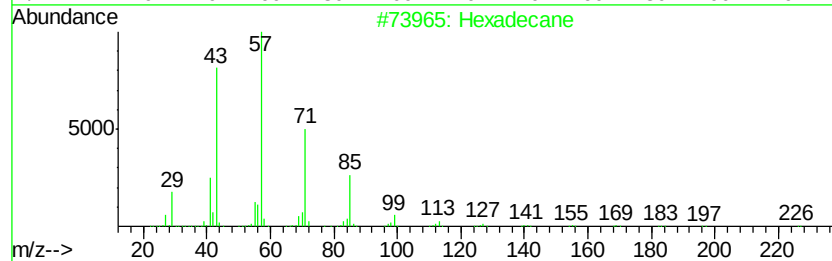
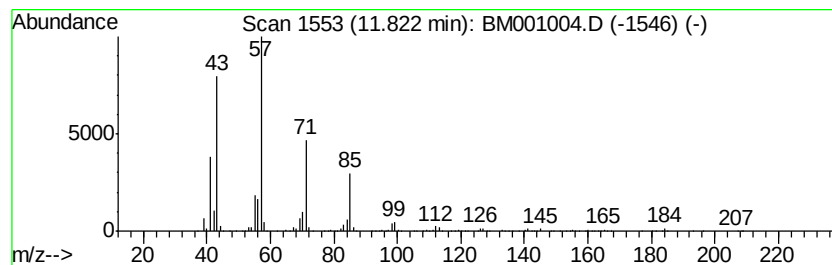
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 17

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 11.82 | 17.47 ng/ul | 6497310 | Napthalene-d8    | 10.38 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 2    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 87   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 86   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 83   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

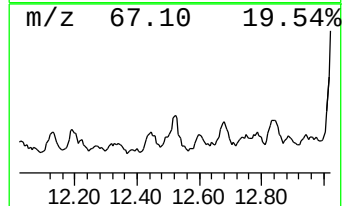
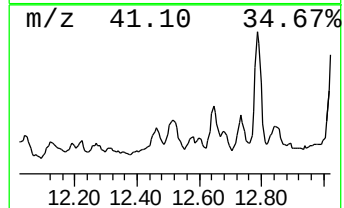
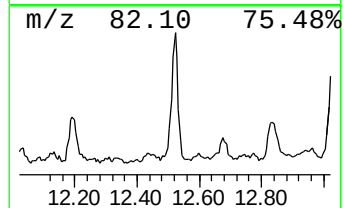
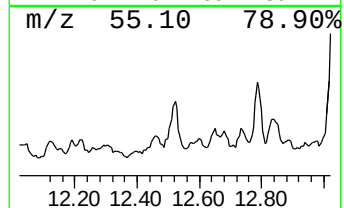
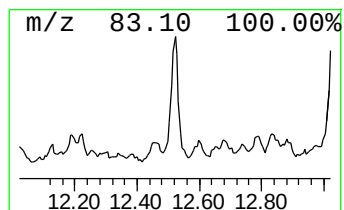
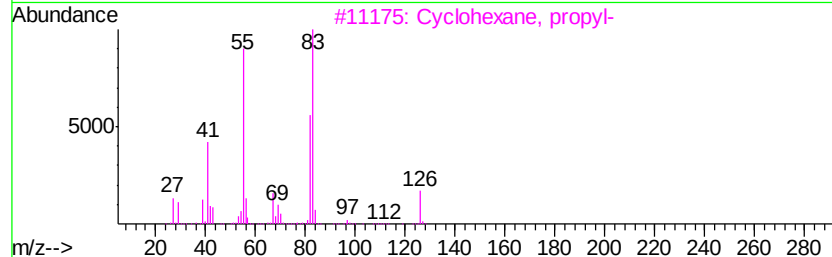
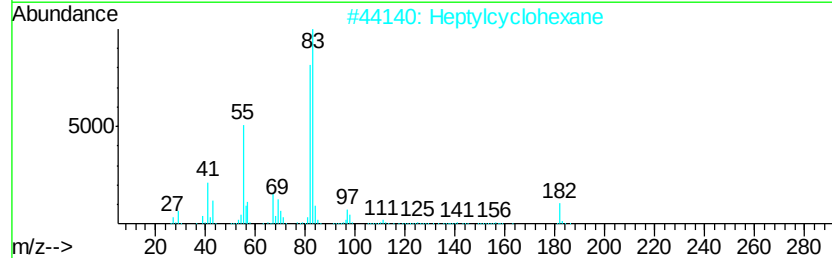
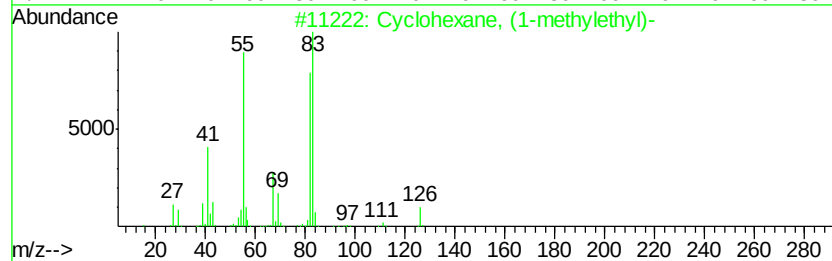
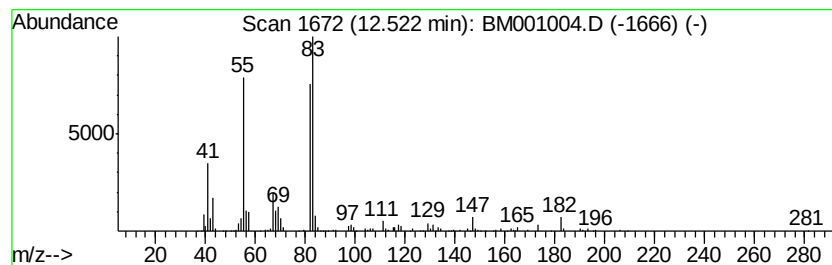
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Cyclohexane, (1-methylethyl)- Concentration Rank 36

| R.T.      | EstConc                       | Area    | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------|---------|------------------|-------------|-------|
| 12.52     | 5.69 ng/ul                    | 1152660 | Acenaphthene-d10 |             | 14.26 |
| Hit# of 5 | Tentative ID                  | MW      | MolForm          | CAS#        | Qual  |
| 1         | Cyclohexane, (1-methylethyl)- | 126     | C9H18            | 000696-29-7 | 86    |
| 2         | Heptylcyclohexane             | 182     | C13H26           | 005617-41-4 | 81    |
| 3         | Cyclohexane, propyl-          | 126     | C9H18            | 001678-92-8 | 78    |
| 4         | Cyclohexane, butyl-           | 140     | C10H20           | 001678-93-9 | 78    |
| 5         | Cyclohexane, propyl-          | 126     | C9H18            | 001678-92-8 | 78    |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

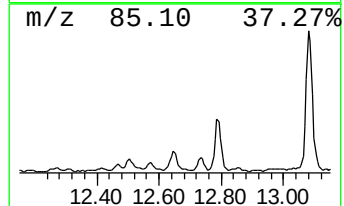
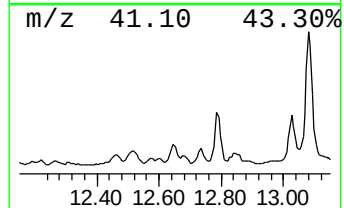
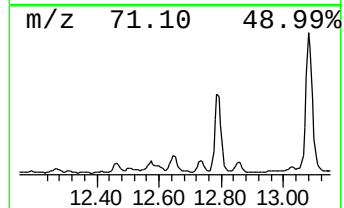
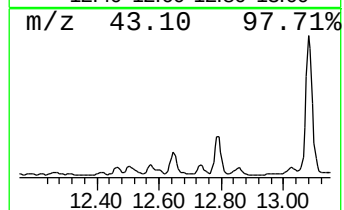
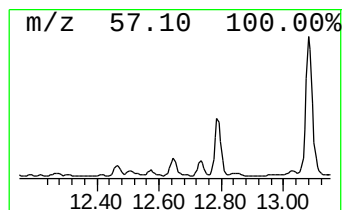
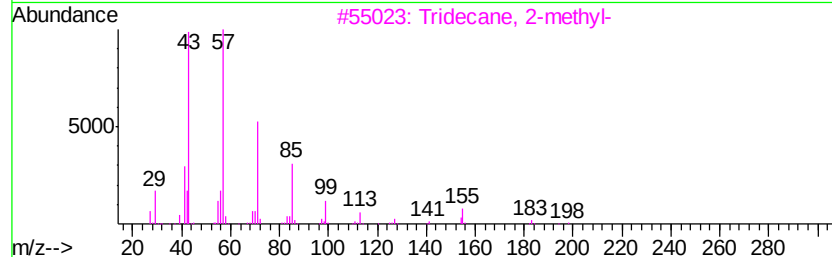
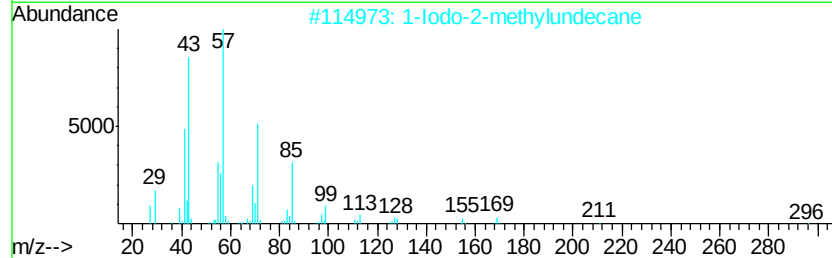
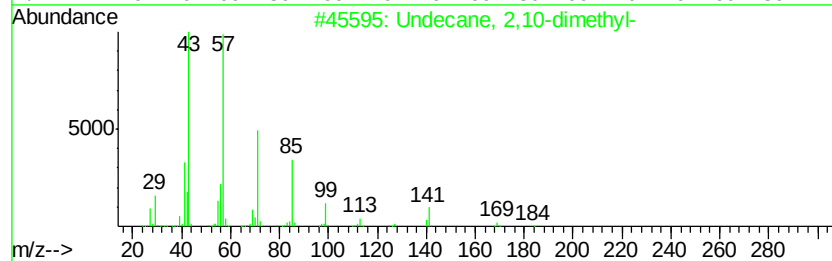
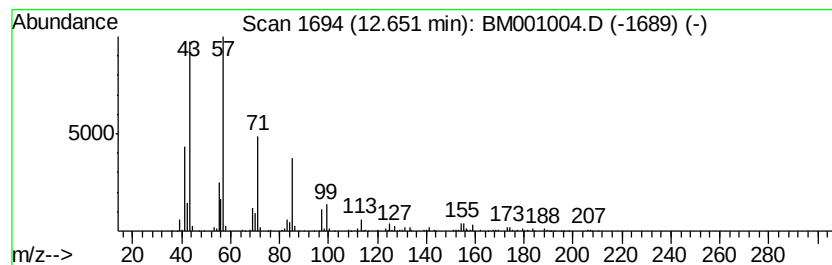
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ClientSampleId :  
P001-SD006-0006-01

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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Undecane, 2,10-dimethyl- Concentration Rank 37

| R.T.      | EstConc                  | Area    | Relative to ISTD |             | R.T.  |
|-----------|--------------------------|---------|------------------|-------------|-------|
| 12.65     | 5.64 ng/ul               | 1143220 | Acenaphthene-d10 |             | 14.26 |
| Hit# of 5 | Tentative ID             | MW      | MolForm          | CAS#        | Qual  |
| 1         | Undecane, 2,10-dimethyl- | 184     | C13H28           | 017301-27-8 | 91    |
| 2         | 1-Iodo-2-methylundecane  | 296     | C12H25I          | 073105-67-6 | 86    |
| 3         | Tridecane, 2-methyl-     | 198     | C14H30           | 001560-96-9 | 80    |
| 4         | Undecane                 | 156     | C11H24           | 001120-21-4 | 72    |
| 5         | Tetradecane, 2-methyl-   | 212     | C15H32           | 001560-95-8 | 72    |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

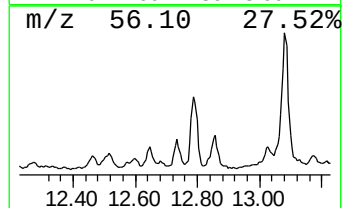
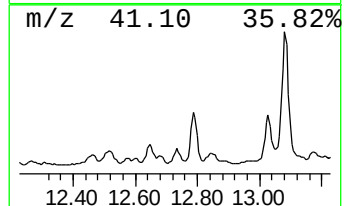
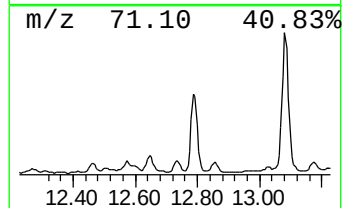
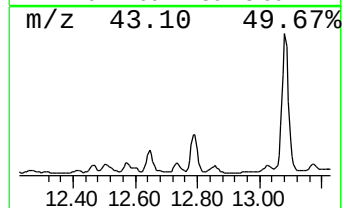
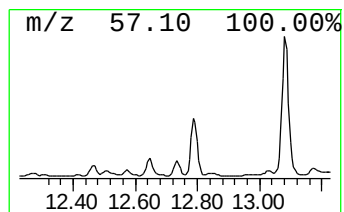
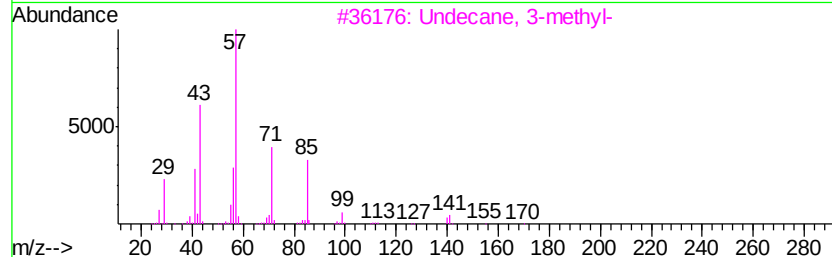
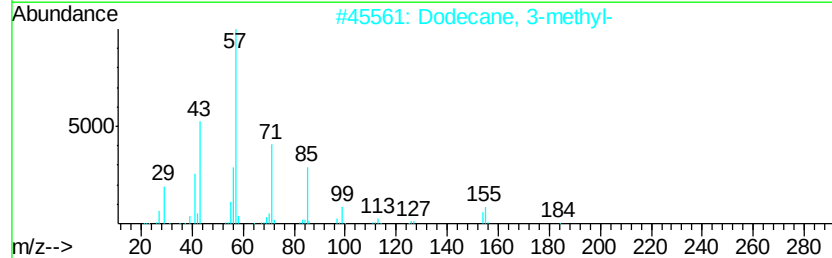
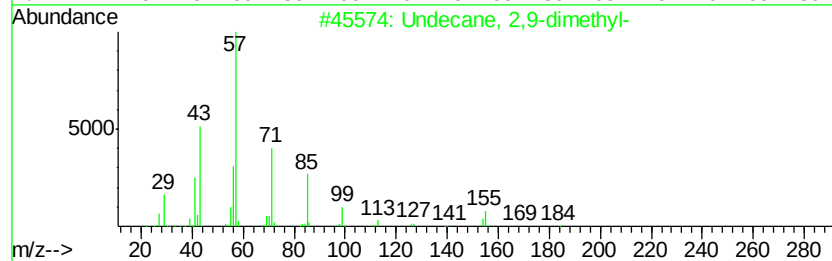
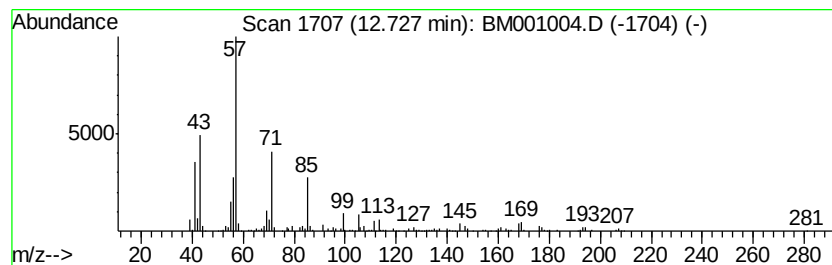
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Undecane, 2,9-dimethyl- Concentration Rank 34

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 12.73 | 5.91 ng/ul | 1198590 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 2,9-dimethyl- | 184 | C13H28  | 017301-26-7 | 64   |
| 2    |    | Dodecane, 3-methyl-     | 184 | C13H28  | 017312-57-1 | 59   |
| 3    |    | Undecane, 3-methyl-     | 170 | C12H26  | 001002-43-3 | 59   |
| 4    |    | Decane, 3,8-dimethyl-   | 170 | C12H26  | 017312-55-9 | 59   |
| 5    |    | Decane                  | 142 | C10H22  | 000124-18-5 | 59   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

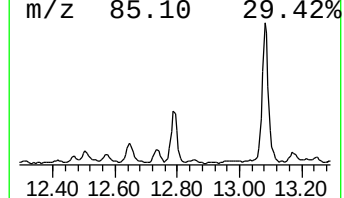
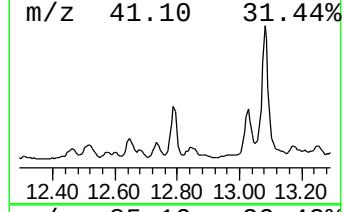
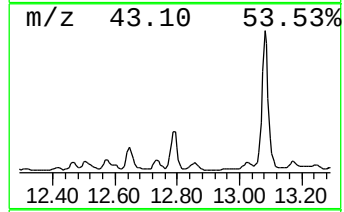
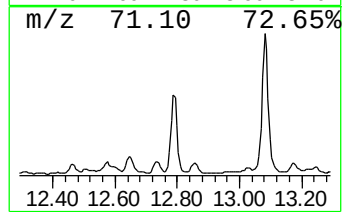
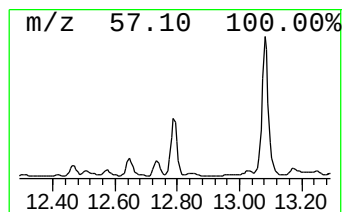
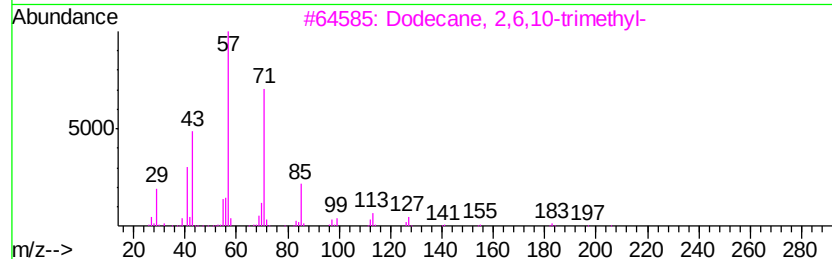
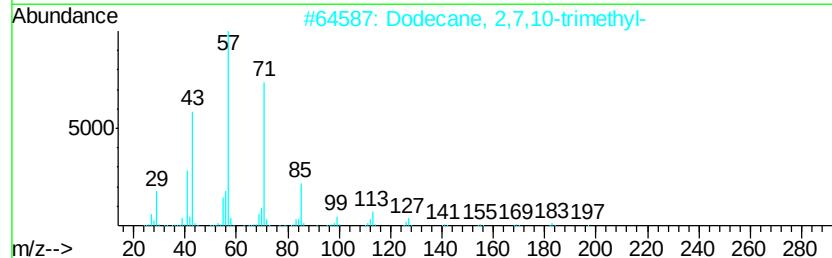
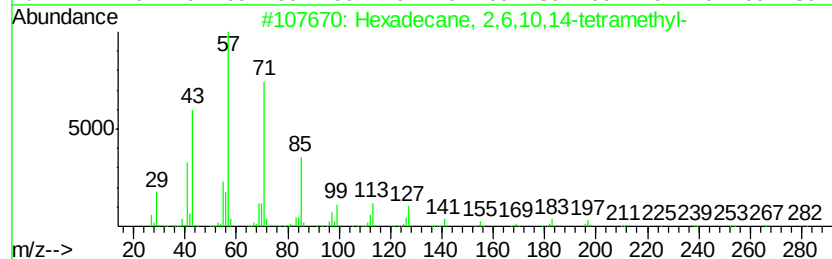
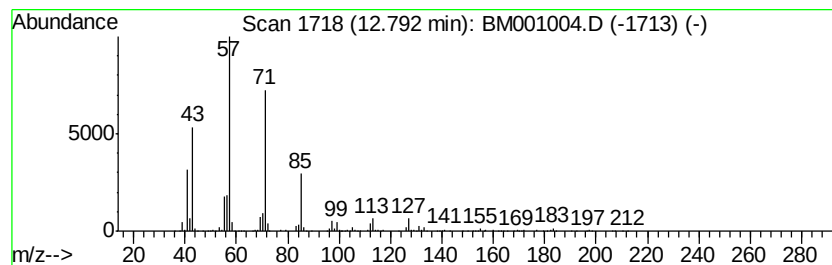
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 15

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 12.79 | 19.03 ng/ul | 3856580 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42   | 000638-36-8 | 83   |
| 2    |    | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32   | 074645-98-0 | 80   |
| 3    |    | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32   | 003891-98-3 | 72   |
| 4    |    | Heptacosane                        | 380 | C27H56   | 000593-49-7 | 64   |
| 5    |    | Bacchotricuneatin c                | 342 | C20H22O5 | 066563-30-2 | 58   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

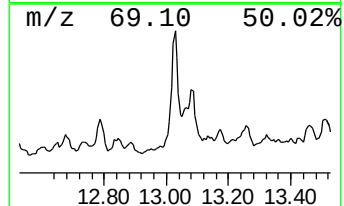
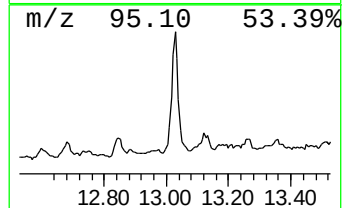
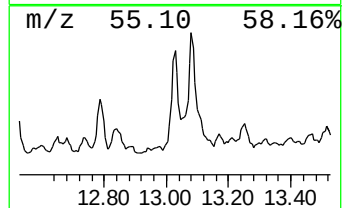
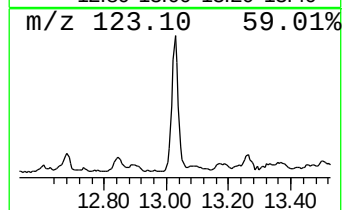
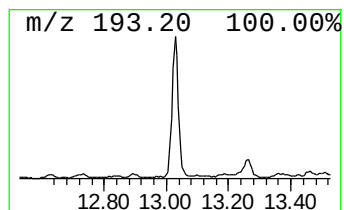
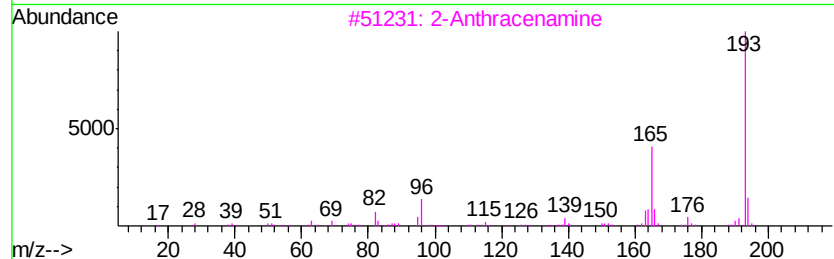
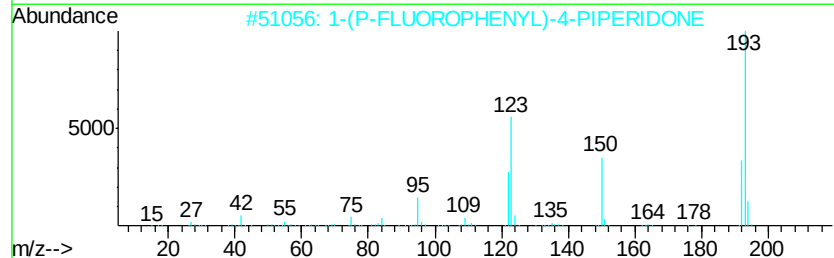
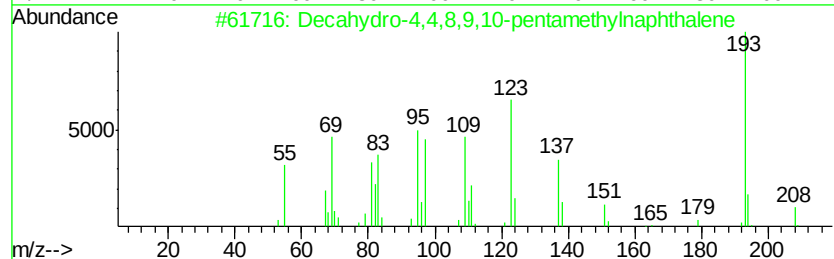
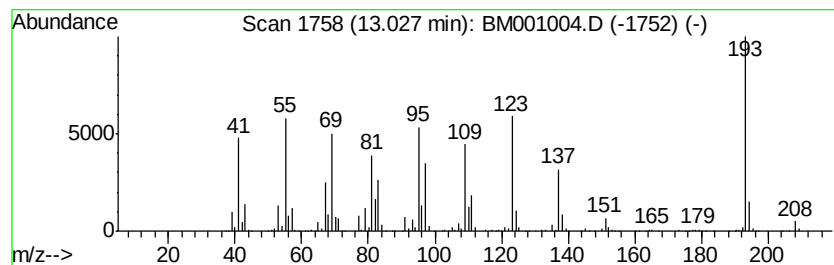
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Decahydro-4,4,8,9,10-pentam... Concentration Rank 12

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 13.03 | 26.06 ng/ul | 5282760 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28    | 080655-44-3  | 60   |
| 2    |    | 1-(P-FLUOROPHENYL)-4-PIPERIDONE     | 193 | C11H12FNO | 1000238-56-7 | 43   |
| 3    |    | 2-Anthracenamine                    | 193 | C14H11N   | 000613-13-8  | 22   |
| 4    |    | Hexahydroindole                     | 123 | C8H13N    | 018159-32-5  | 18   |
| 5    |    | 2-Cyclopenten-1-one, 2,3,4,5-tet... | 138 | C9H14O    | 054458-61-6  | 14   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

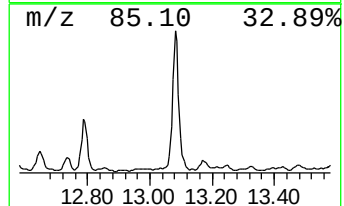
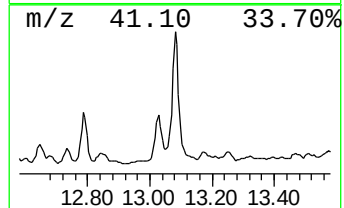
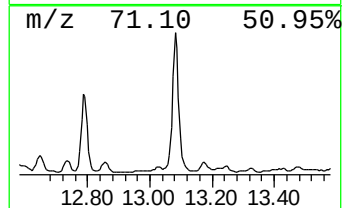
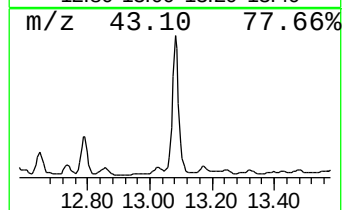
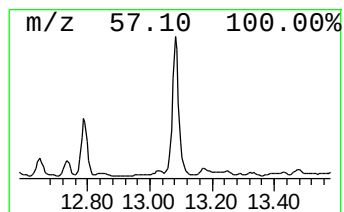
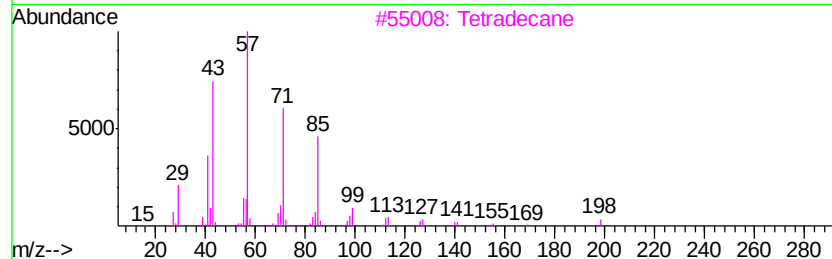
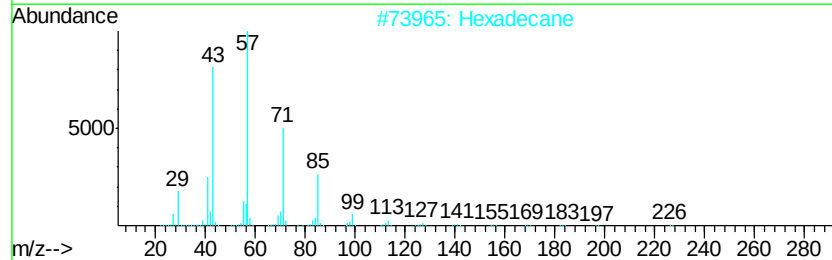
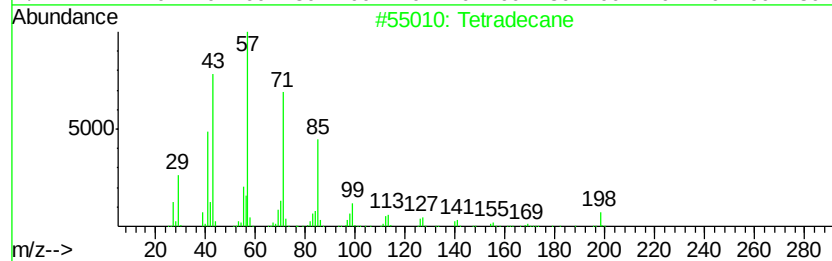
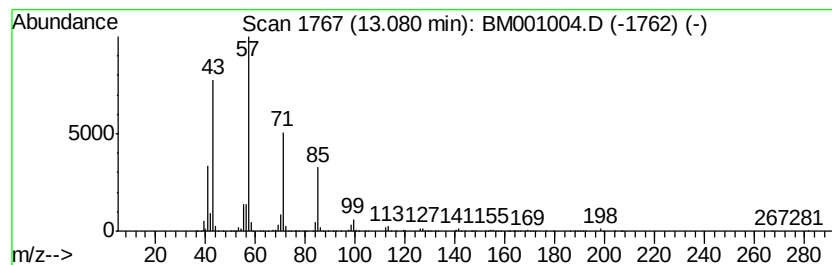
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 (DEL) Alkane: Branched Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 13.08 | 44.79 ng/ul | 9078680 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane  | 198 | C14H30  | 000629-59-4 | 91   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 83   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

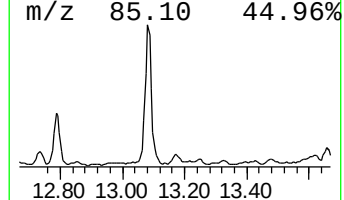
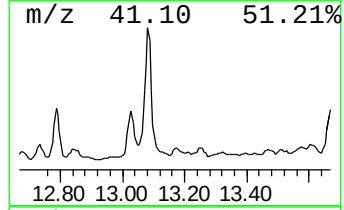
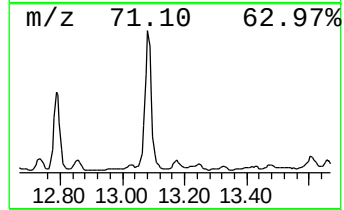
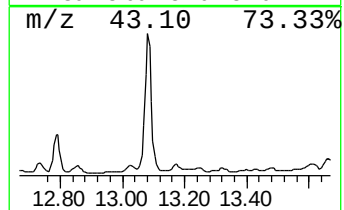
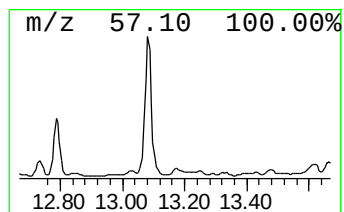
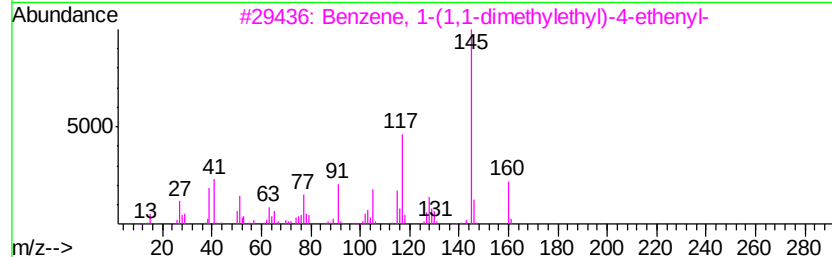
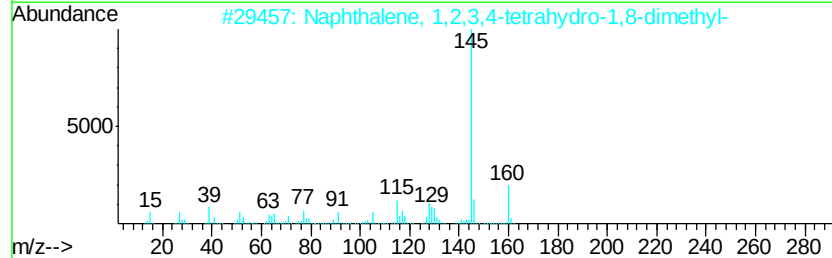
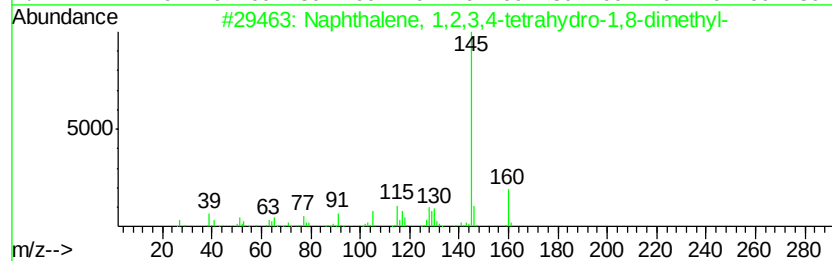
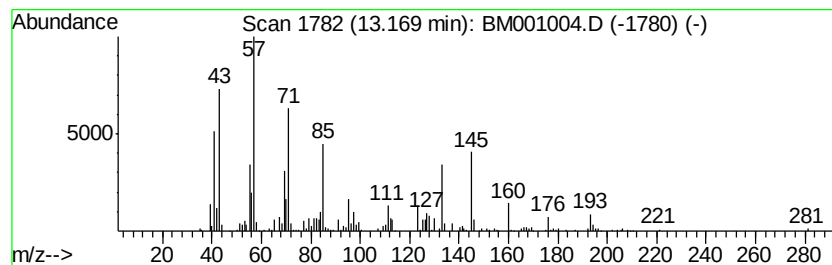
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ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Naphthalene, 1,2,3,4-tetra... Concentration Rank 38

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 13.17   | 5.55 ng/ul | 1125590                             | Acenaphthene-d10 | 14.26          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16       | 025419-33-4 50 |
| 2       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16       | 025419-33-4 43 |
| 3       |            | Benzene, 1-(1,1-dimethylethyl)-4... | 160 C12H16       | 001746-23-2 43 |
| 4       |            | Benzene, (2,2-dimethyl-1-methyle... | 160 C12H16       | 005676-29-9 43 |
| 5       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16       | 001985-59-7 38 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

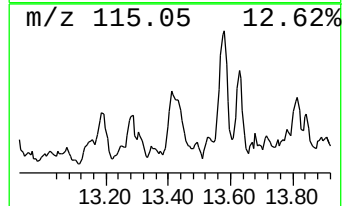
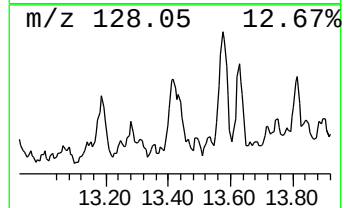
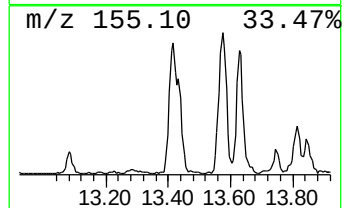
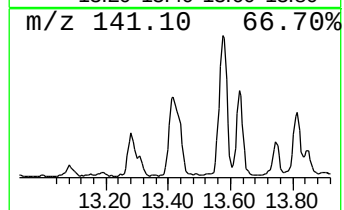
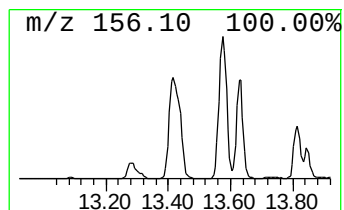
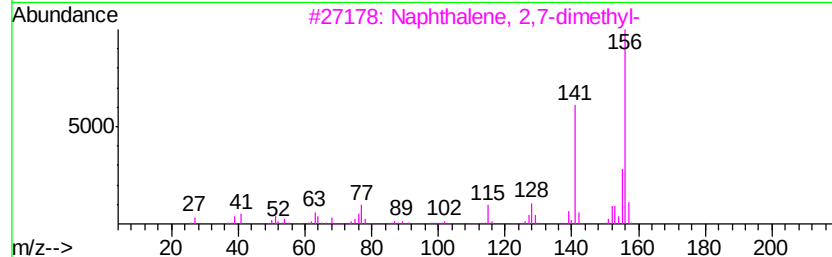
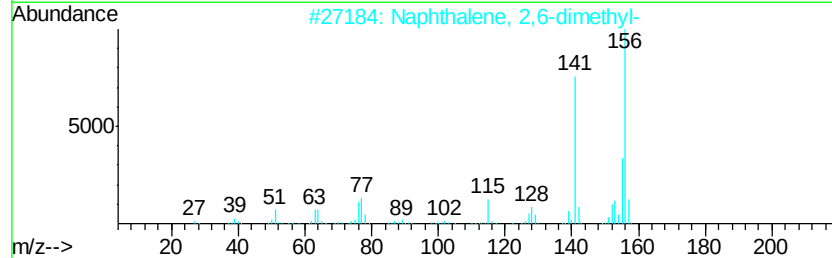
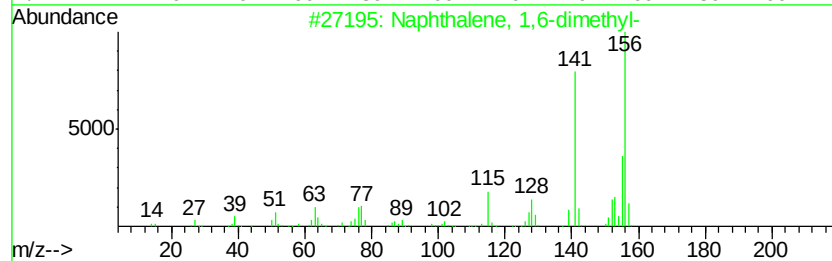
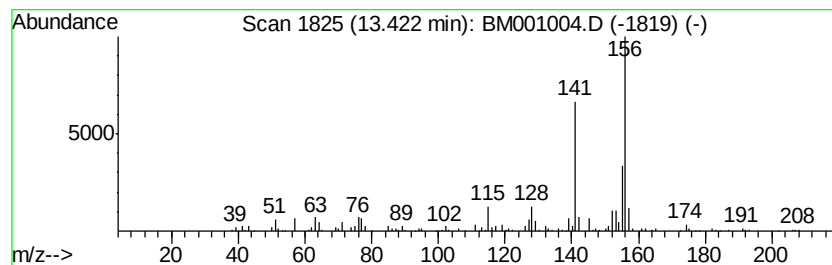
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 Naphthalene, 1,6-dimethyl- Concentration Rank 29

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.42   | 8.27 ng/ul | 1676470                    | Acenaphthene-d10 | 14.26          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 96 |
| 2       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 96 |
| 3       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12       | 000582-16-1 96 |
| 4       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 96 |
| 5       |            | Naphthalene, 1,4-dimethyl- | 156 C12H12       | 000571-58-4 96 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

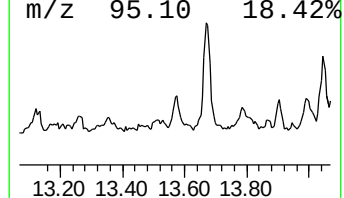
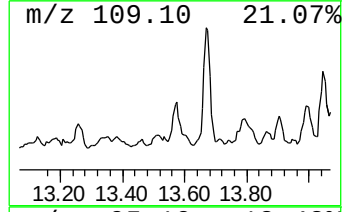
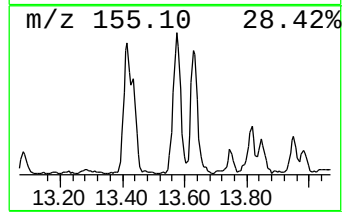
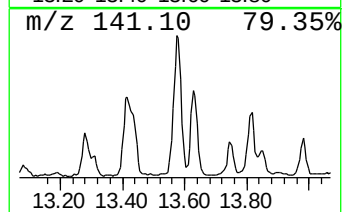
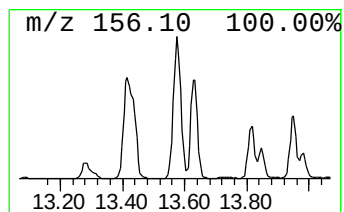
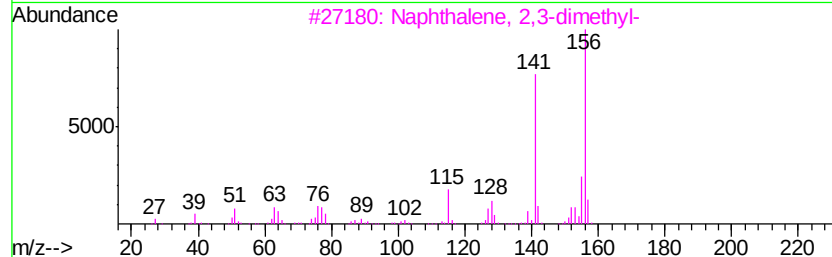
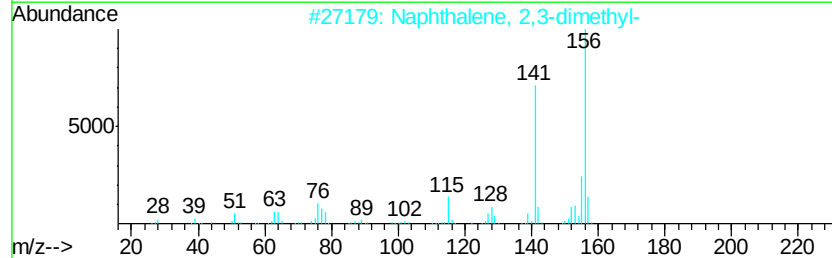
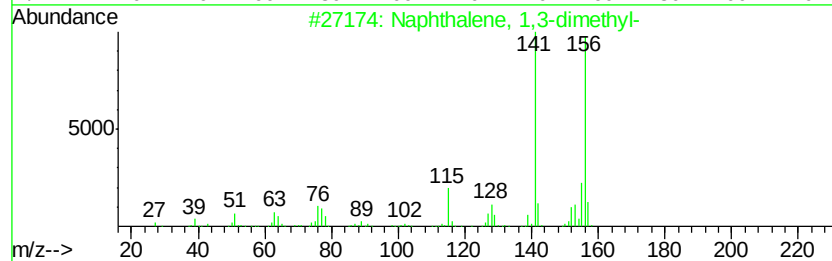
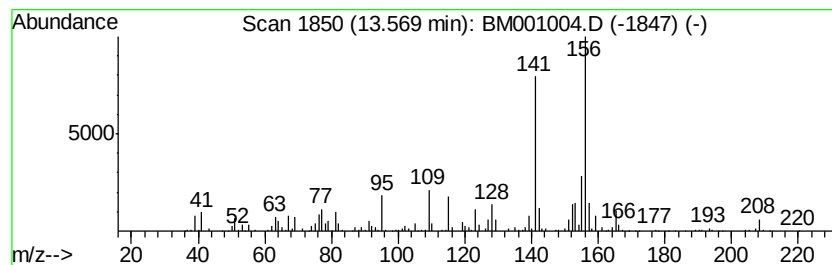
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Naphthalene, 1,3-dimethyl- Concentration Rank 25

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 13.57 | 10.76 ng/ul | 2180230 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 98   |
| 2    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

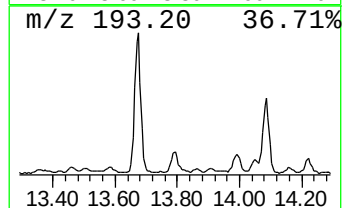
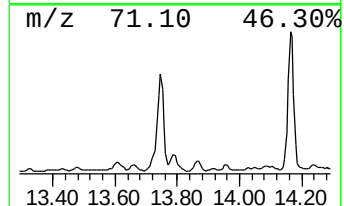
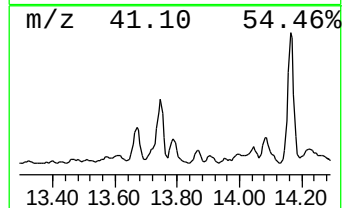
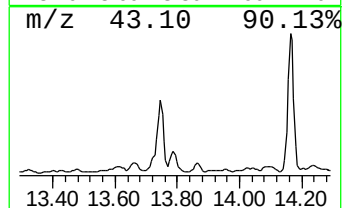
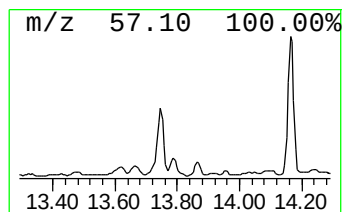
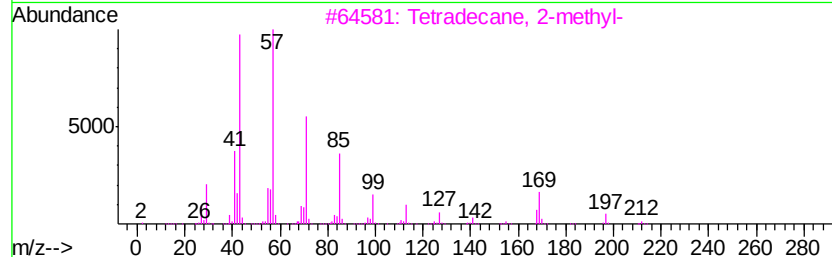
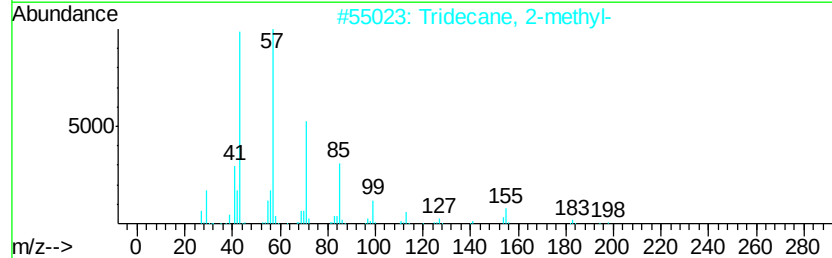
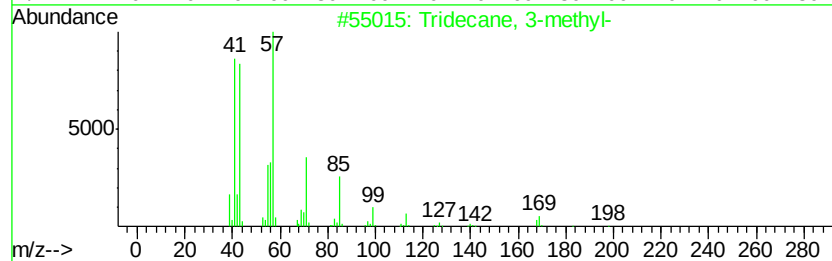
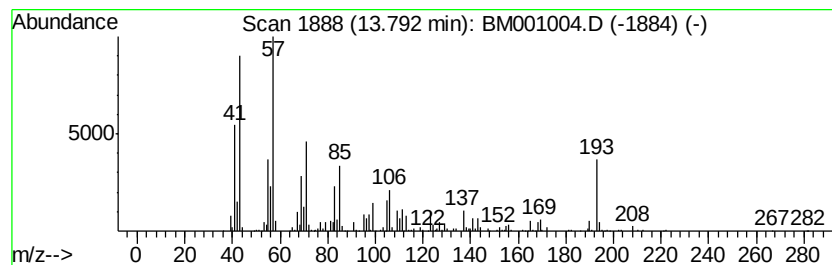
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ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 20 Tridecane, 3-methyl- Concentration Rank 20

| R.T.    | EstConc     | Area                   | Relative to ISTD | R.T.           |
|---------|-------------|------------------------|------------------|----------------|
| 13.79   | 13.02 ng/ul | 2638660                | Acenaphthene-d10 | 14.26          |
| Hit# of | 5           | Tentative ID           | MW MolForm       | CAS# Qual      |
| 1       |             | Tridecane, 3-methyl-   | 198 C14H30       | 006418-41-3 78 |
| 2       |             | Tridecane, 2-methyl-   | 198 C14H30       | 001560-96-9 60 |
| 3       |             | Tetradecane, 2-methyl- | 212 C15H32       | 001560-95-8 49 |
| 4       |             | Dodecane, 2-methyl-    | 184 C13H28       | 001560-97-0 49 |
| 5       |             | Dodecane               | 170 C12H26       | 000112-40-3 46 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

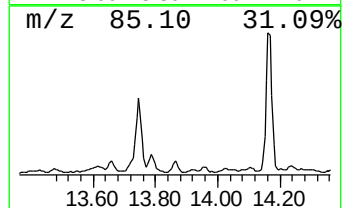
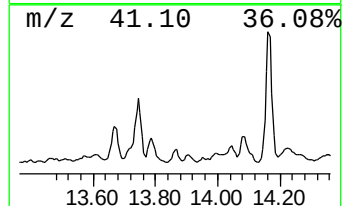
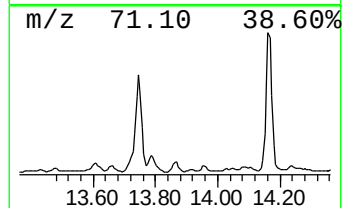
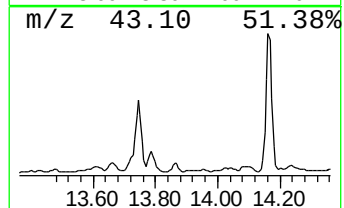
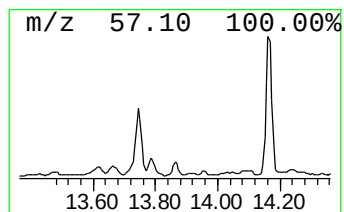
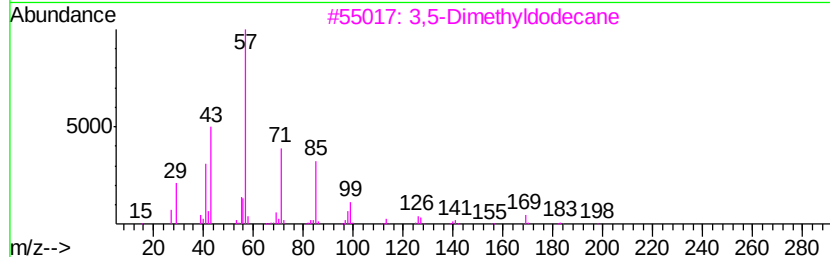
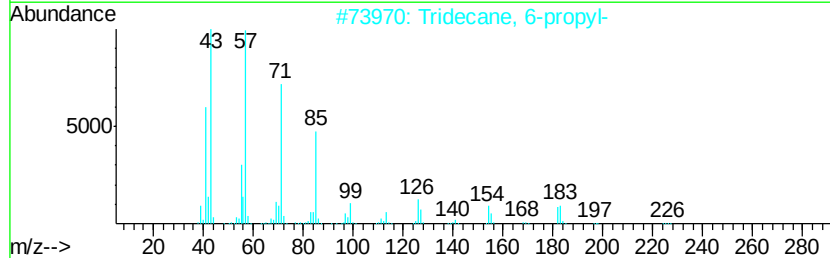
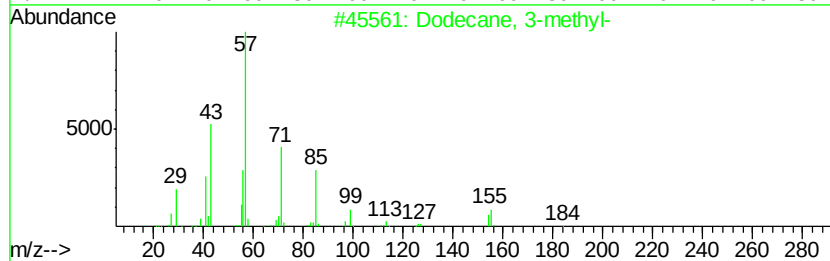
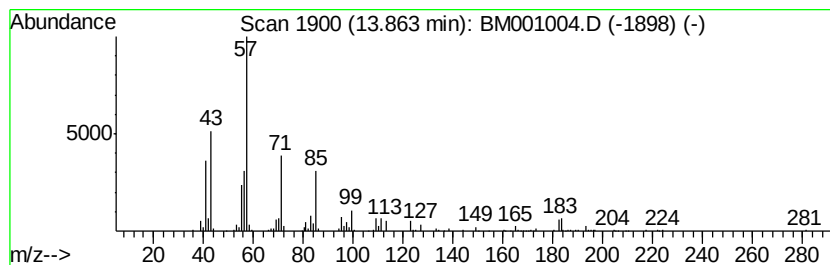
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 (DEL) Alkane: Cyclic Concentration Rank 45

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.86 | 3.83 ng/ul | 775495 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 3-methyl-   | 184 | C13H28  | 017312-57-1 | 72   |
| 2    |    | Tridecane, 6-propyl-  | 226 | C16H34  | 055045-10-8 | 64   |
| 3    |    | 3,5-Dimethyldodecane  | 198 | C14H30  | 107770-99-0 | 64   |
| 4    |    | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 59   |
| 5    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 53   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

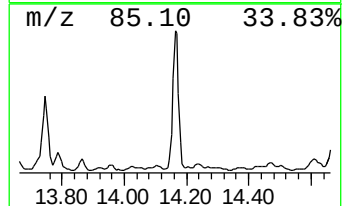
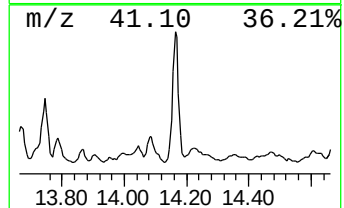
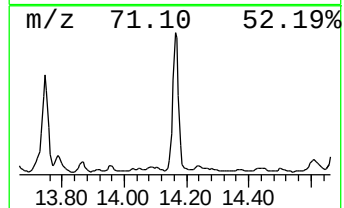
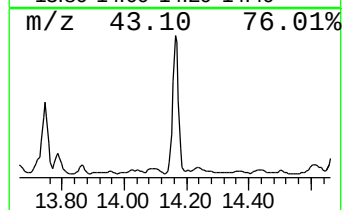
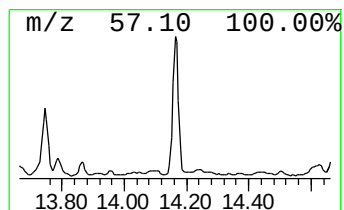
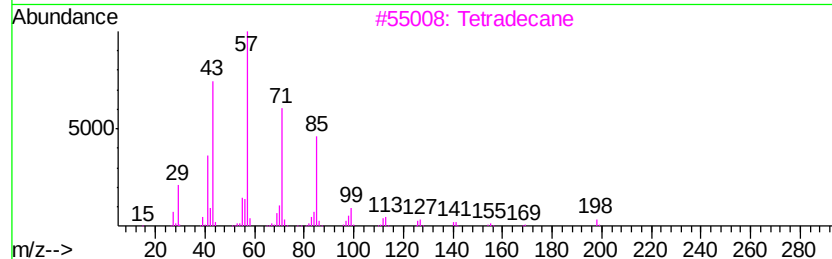
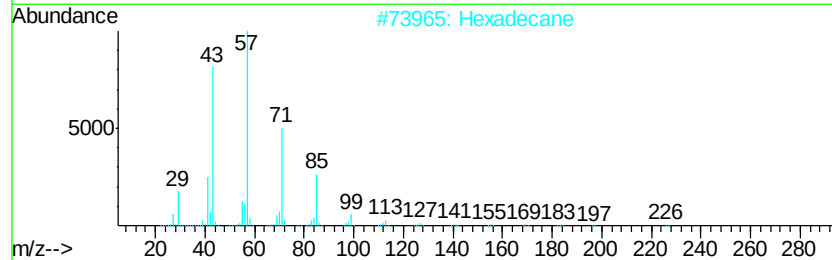
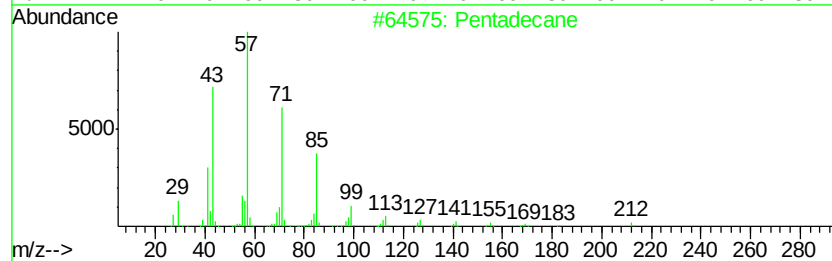
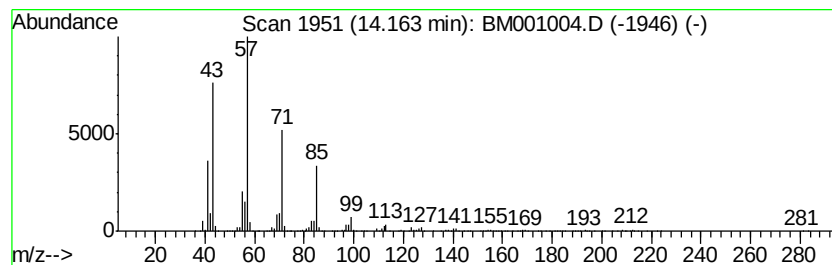
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 24 (DEL) Alkane: Cyclic Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 14.16 | 57.45 ng/ul | 11643500 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane  | 212 | C15H32  | 000629-62-9 | 95   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 5    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

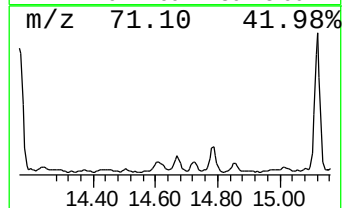
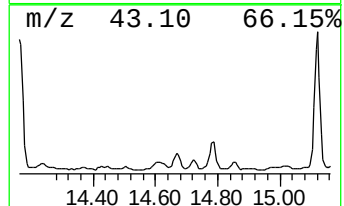
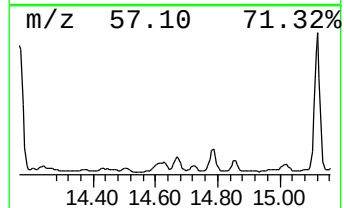
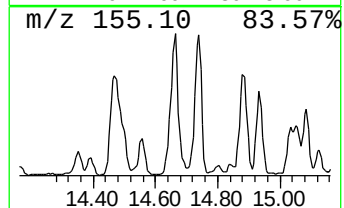
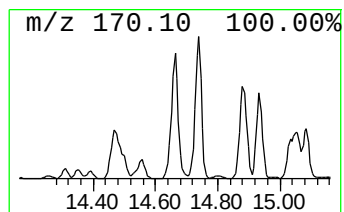
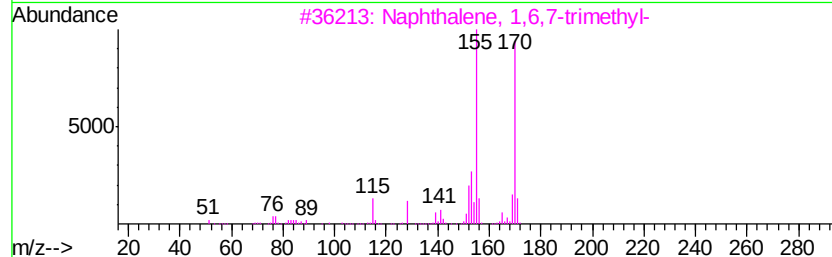
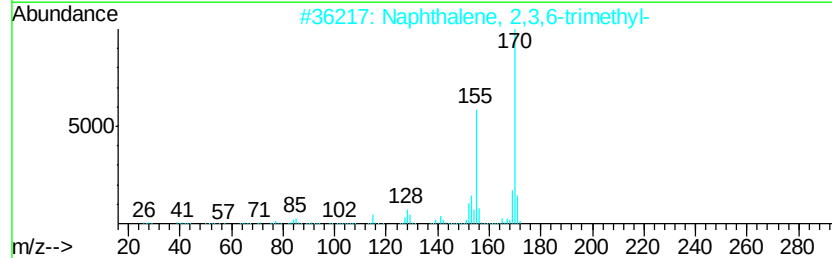
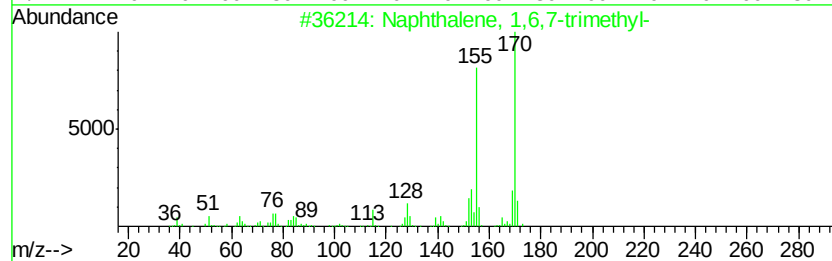
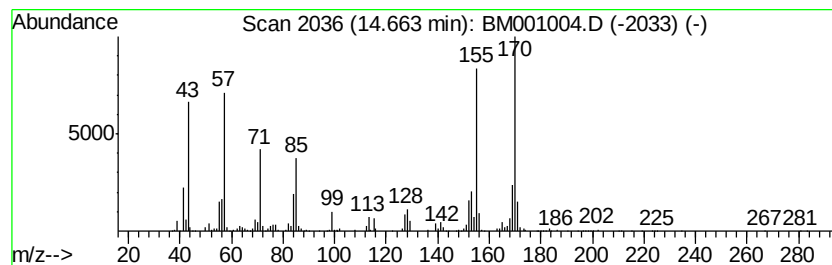
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 25 Naphthalene, 1,6,7-trimethyl- Concentration Rank 21

| R.T.    | EstConc     | Area                          | Relative to ISTD | R.T.           |
|---------|-------------|-------------------------------|------------------|----------------|
| 14.66   | 12.76 ng/ul | 2586900                       | Acenaphthene-d10 | 14.26          |
| Hit# of | 5           | Tentative ID                  | MW MolForm       | CAS# Qual      |
| 1       |             | Naphthalene, 1,6,7-trimethyl- | 170 C13H14       | 002245-38-7 96 |
| 2       |             | Naphthalene, 2,3,6-trimethyl- | 170 C13H14       | 000829-26-5 95 |
| 3       |             | Naphthalene, 1,6,7-trimethyl- | 170 C13H14       | 002245-38-7 94 |
| 4       |             | Naphthalene, 2,3,6-trimethyl- | 170 C13H14       | 000829-26-5 94 |
| 5       |             | Naphthalene, 2,3,6-trimethyl- | 170 C13H14       | 000829-26-5 90 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

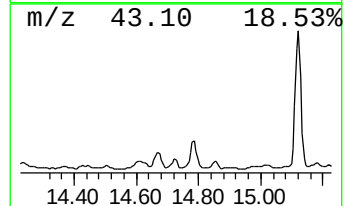
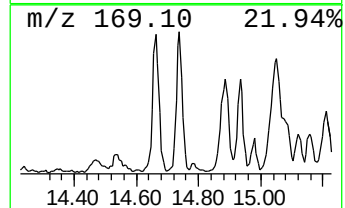
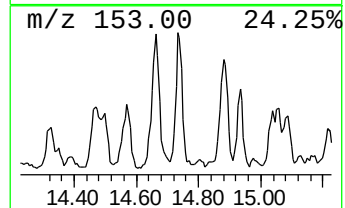
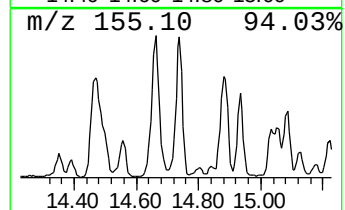
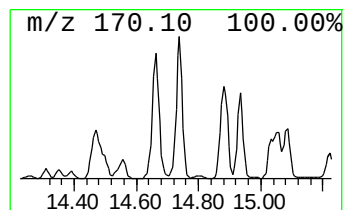
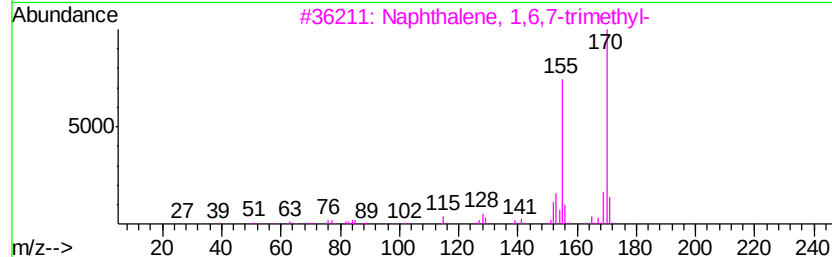
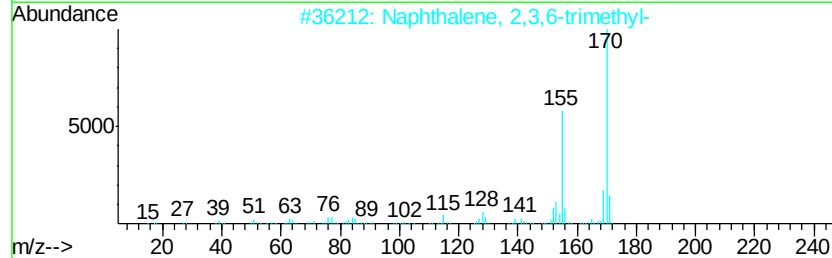
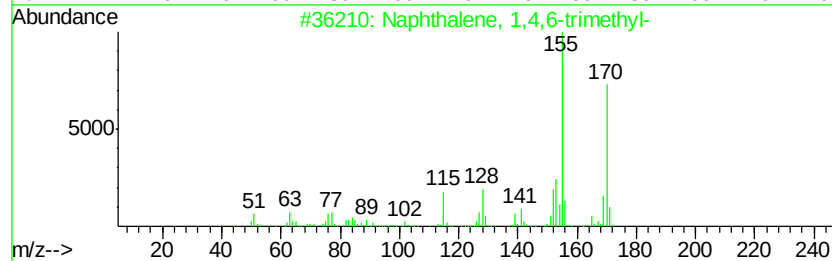
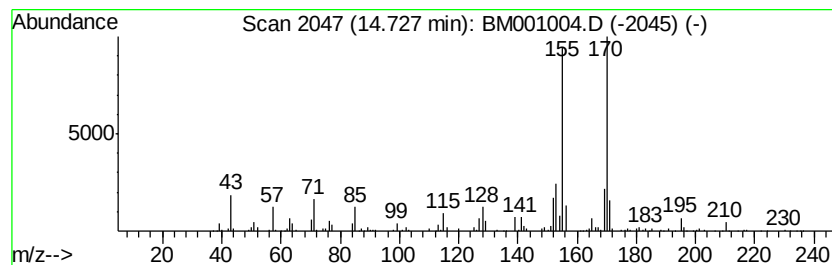
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 26 Naphthalene, 1,4,6-trimethyl- Concentration Rank 30

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 14.73 | 7.77 ng/ul | 1574580 | Acenaphthene-d10 | 14.26 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 96   |
| 3    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 95   |
| 4    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 94   |
| 5    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 94   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

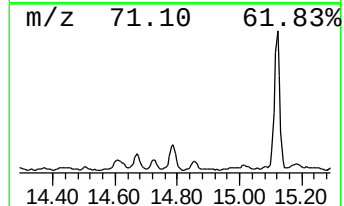
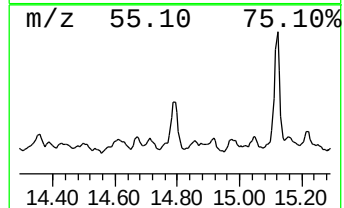
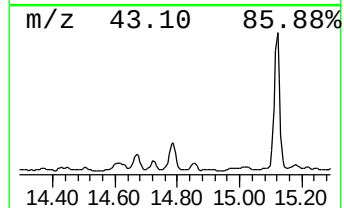
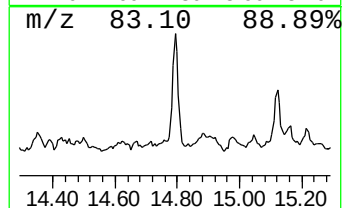
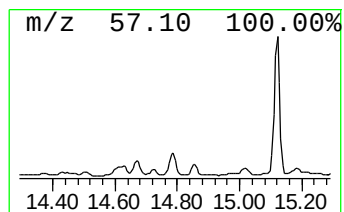
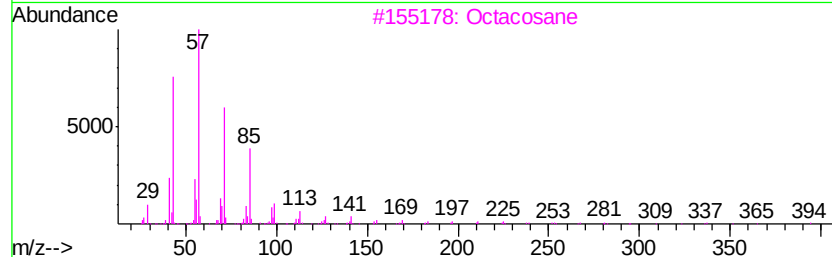
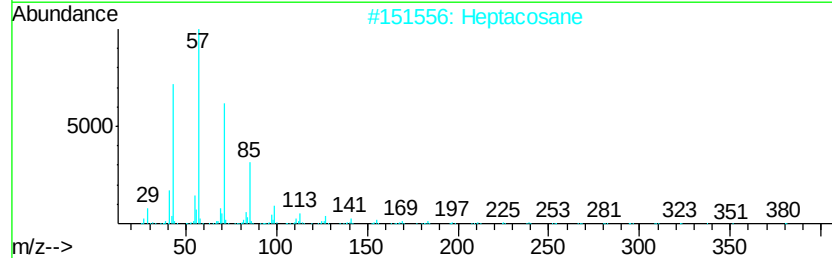
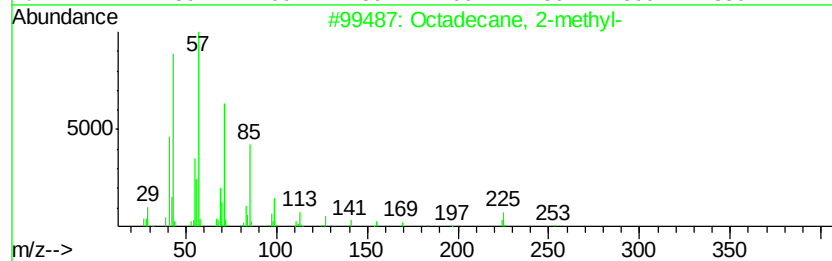
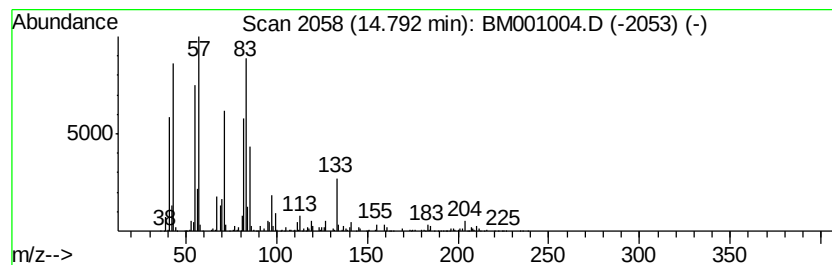
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 27 Octadecane, 2-methyl- Concentration Rank 18

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 14.79 | 16.78 ng/ul | 3401540 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl-    | 268 | C19H40  | 001560-88-9 | 58   |
| 2    |    | Heptacosane              | 380 | C27H56  | 000593-49-7 | 58   |
| 3    |    | Octacosane               | 394 | C28H58  | 000630-02-4 | 52   |
| 4    |    | Undecane, 2,10-dimethyl- | 184 | C13H28  | 017301-27-8 | 49   |
| 5    |    | Tridecane, 7-hexyl-      | 268 | C19H40  | 007225-66-3 | 49   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

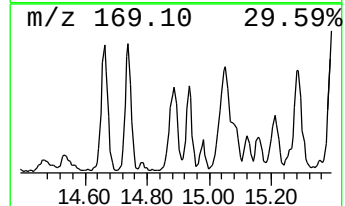
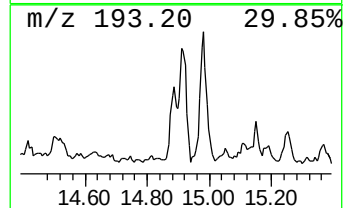
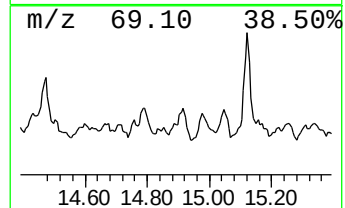
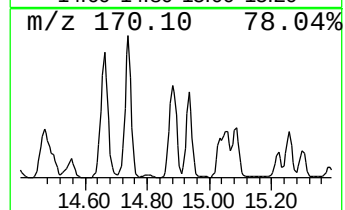
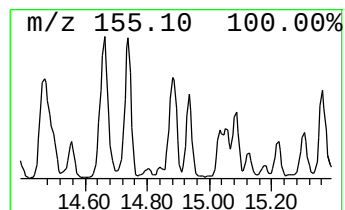
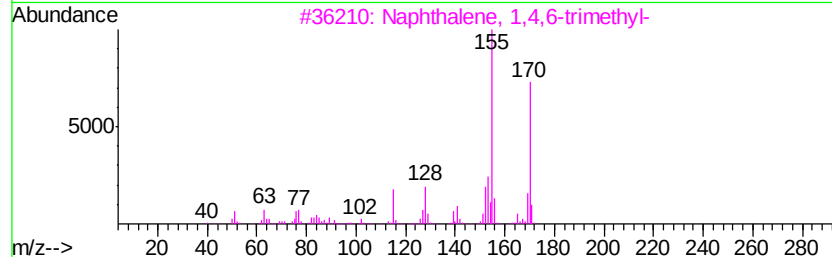
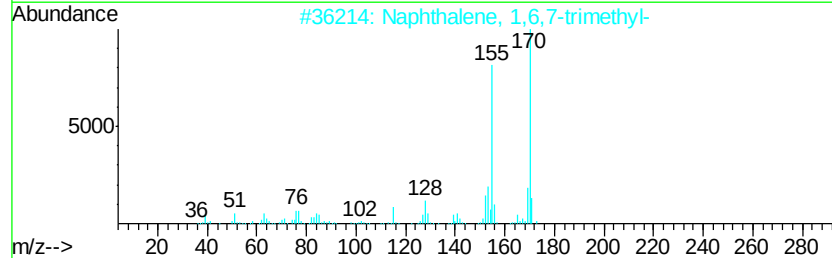
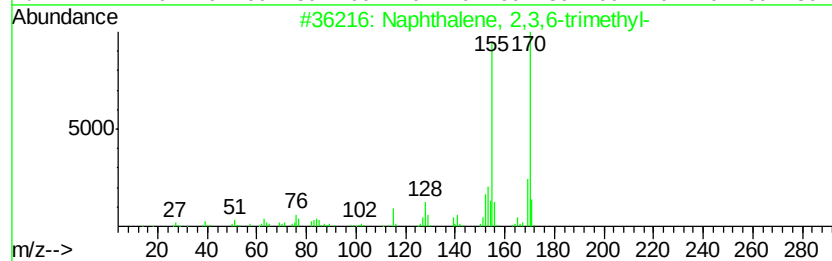
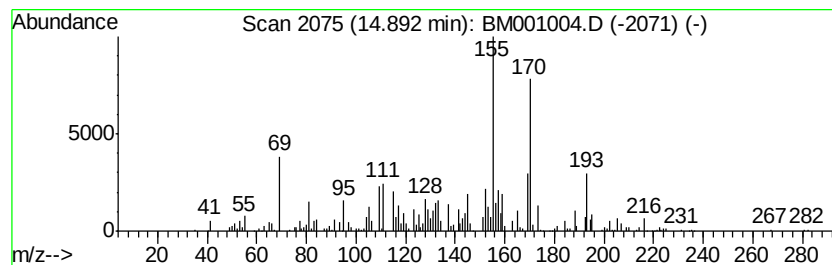
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 28 Naphthalene, 2,3,6-trimethyl- Concentration Rank 43

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.89 | 3.96 ng/ul | 803229 | Acenaphthene-d10 | 14.26 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 96   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 95   |
| 4    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 95   |
| 5    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 93   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

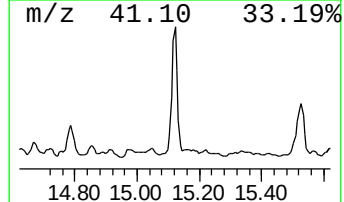
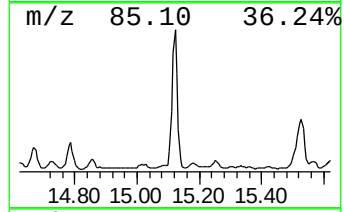
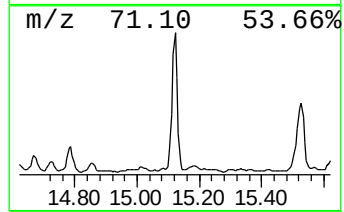
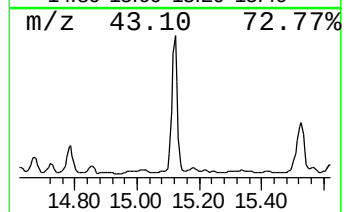
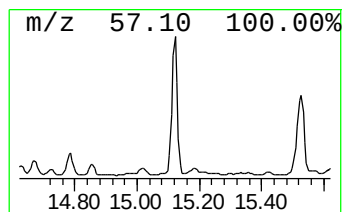
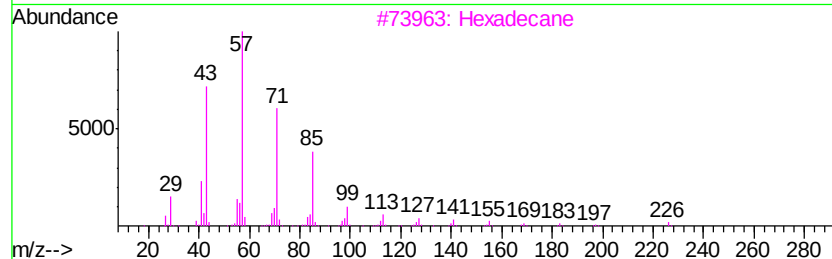
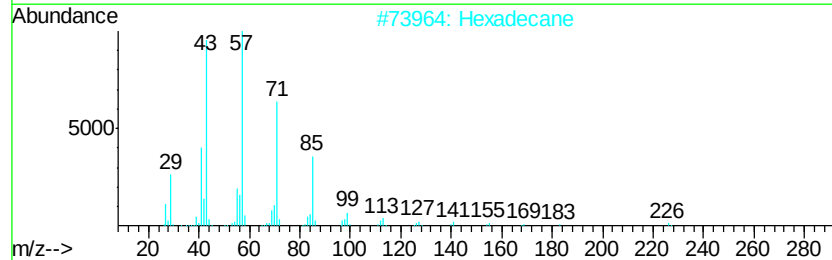
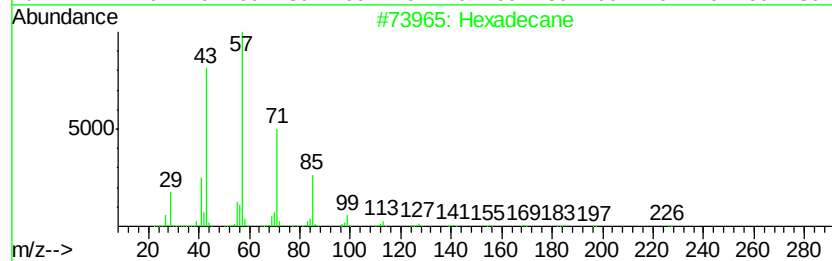
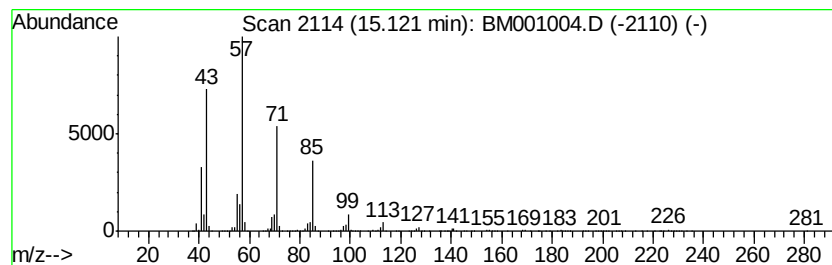
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 30 (DEL) Alkane: Cyclic Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.12 | 49.17 ng/ul | 9966400 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 96   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 90   |
| 5    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

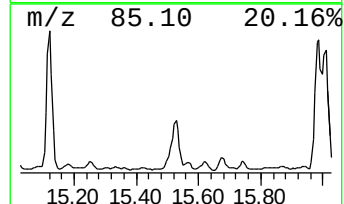
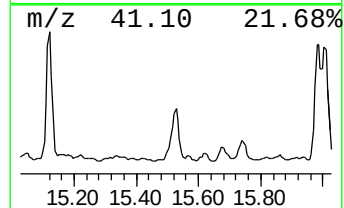
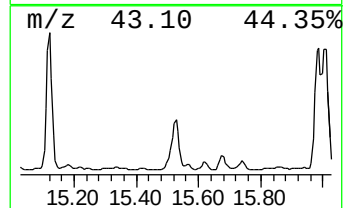
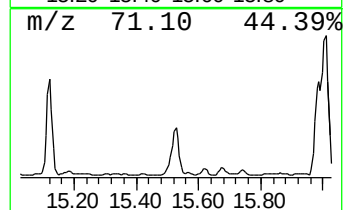
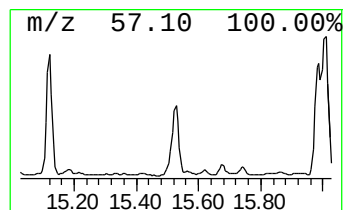
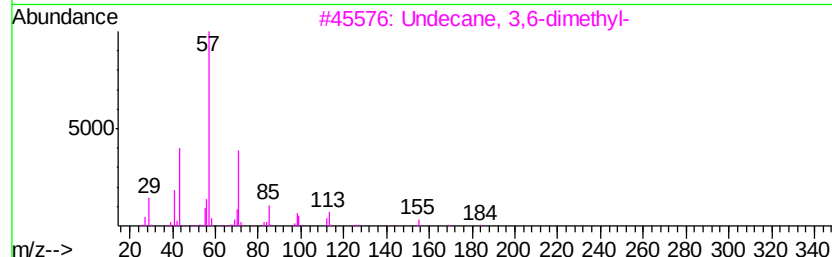
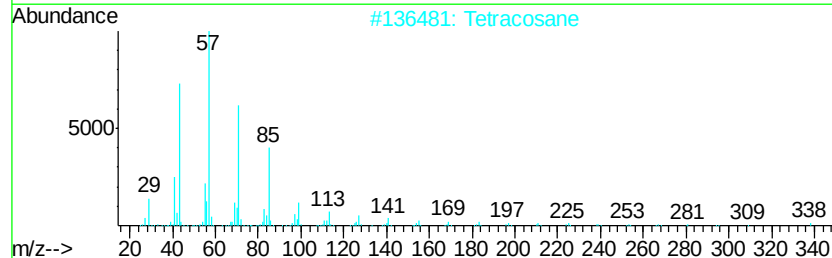
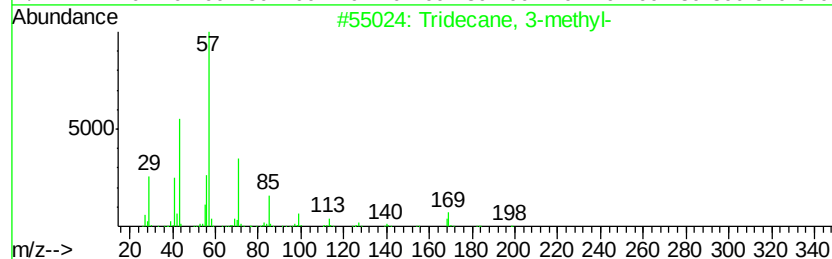
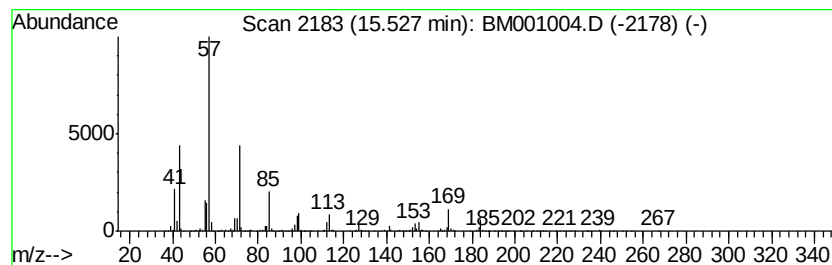
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 31 (DEL) Alkane: Branched Concentration Rank 10

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.53 | 33.68 ng/ul | 6825890 | Acenaphthene-d10 | 14.26 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 3-methyl-    | 198 | C14H30  | 006418-41-3 | 72   |
| 2    |    | Tetracosane             | 338 | C24H50  | 000646-31-1 | 58   |
| 3    |    | Undecane, 3,6-dimethyl- | 184 | C13H28  | 017301-28-9 | 53   |
| 4    |    | Undecane, 3,5-dimethyl- | 184 | C13H28  | 017312-81-1 | 53   |
| 5    |    | Tridecane, 6-methyl-    | 198 | C14H30  | 013287-21-3 | 53   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
Data File : BM001004.D  
Acq On : 15 Apr 2015 03:22  
Operator : TP/IZ  
Sample : G1858-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

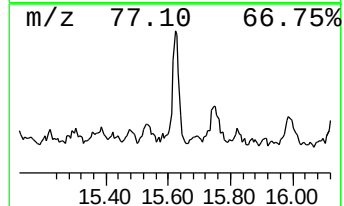
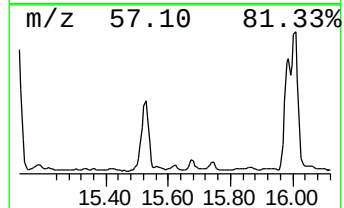
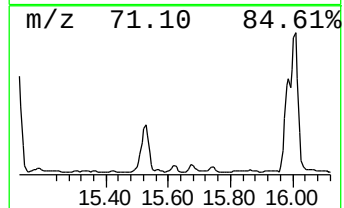
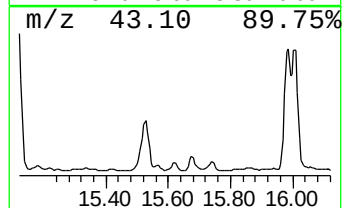
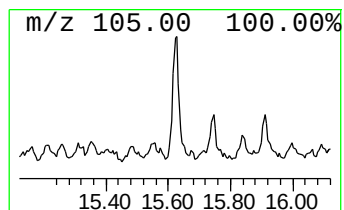
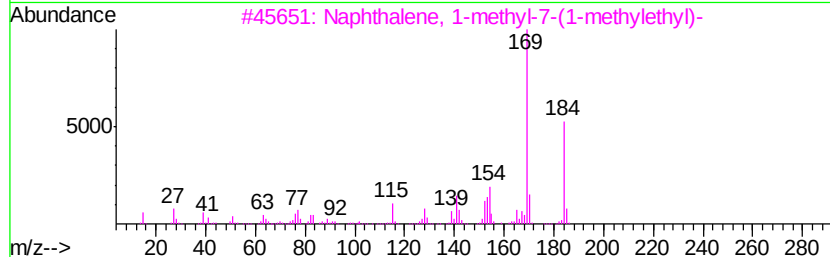
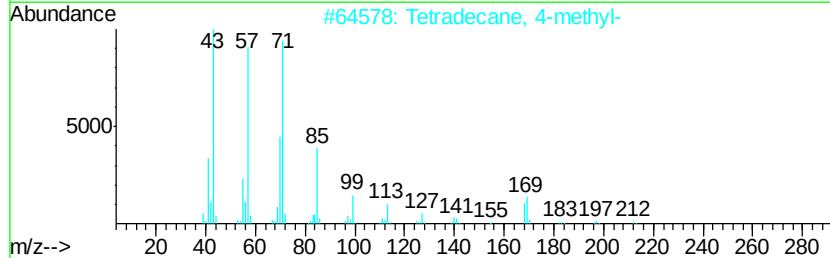
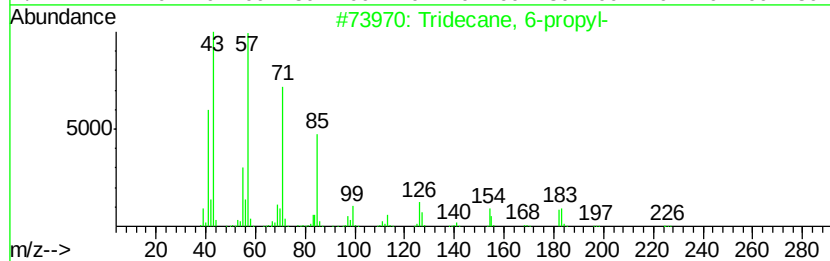
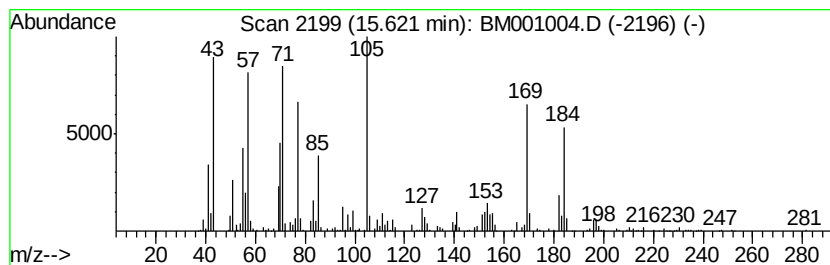
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 32 Tridecane, 6-propyl- Concentration Rank 27

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 15.62   | 9.63 ng/ul | 1952890                             | Acenaphthene-d10 | 14.26          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Tridecane, 6-propyl-                | 226 C16H34       | 055045-10-8 83 |
| 2       |            | Tetradecane, 4-methyl-              | 212 C15H32       | 025117-24-2 55 |
| 3       |            | Naphthalene, 1-methyl-7-(1-methy... | 184 C14H16       | 000490-65-3 47 |
| 4       |            | Tridecane, 4-methyl-                | 198 C14H30       | 026730-12-1 43 |
| 5       |            | 4-Imidazolidinone, 2,2-dimethyl-... | 169 C8H15N3O     | 142071-78-1 43 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041415\  
 Data File : BM001004.D  
 Acq On : 15 Apr 2015 03:22  
 Operator : TP/IZ  
 Sample : G1858-06  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SD006-0006-01

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM041415.M  
 Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.82  | 55.0    | ng/ul | 6471930  | 1                     | 7.60  | 2351440 | 20.0 |
| (DEL) Alkane: Cyclic | 7.23  | 3.8     | ng/ul | 444959   | 1                     | 7.60  | 2351440 | 20.0 |
| Benzene, 1-methyl... | 8.70  | 6.3     | ng/ul | 742356   | 1                     | 7.60  | 2351440 | 20.0 |
| (DEL) Alkane: Cyclic | 8.82  | 16.1    | ng/ul | 1892480  | 1                     | 7.60  | 2351440 | 20.0 |
| (DEL) Alkane: Cyclic | 11.30 | 3.8     | ng/ul | 1400220  | 2                     | 10.38 | 7437430 | 20.0 |
| (DEL) Alkane: Str... | 11.41 | 10.9    | ng/ul | 4042900  | 2                     | 10.38 | 7437430 | 20.0 |
| (DEL) Alkane: Str... | 11.82 | 17.5    | ng/ul | 6497310  | 2                     | 10.38 | 7437430 | 20.0 |
| Cyclohexane, (1-m... | 12.52 | 5.7     | ng/ul | 1152660  | 3                     | 14.26 | 4053800 | 20.0 |
| Undecane, 2,10-di... | 12.65 | 5.6     | ng/ul | 1143220  | 3                     | 14.26 | 4053800 | 20.0 |
| Undecane, 2,9-dim... | 12.73 | 5.9     | ng/ul | 1198590  | 3                     | 14.26 | 4053800 | 20.0 |
| Hexadecane, 2,6,1... | 12.79 | 19.0    | ng/ul | 3856580  | 3                     | 14.26 | 4053800 | 20.0 |
| Decahydro-4,4,8,9... | 13.03 | 26.1    | ng/ul | 5282760  | 3                     | 14.26 | 4053800 | 20.0 |
| (DEL) Alkane: Bra... | 13.08 | 44.8    | ng/ul | 9078680  | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 1,2,... | 13.17 | 5.5     | ng/ul | 1125590  | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 1,6-... | 13.42 | 8.3     | ng/ul | 1676470  | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 1,3-... | 13.57 | 10.8    | ng/ul | 2180230  | 3                     | 14.26 | 4053800 | 20.0 |
| Tridecane, 3-methyl- | 13.79 | 13.0    | ng/ul | 2638660  | 3                     | 14.26 | 4053800 | 20.0 |
| (DEL) Alkane: Cyclic | 13.86 | 3.8     | ng/ul | 775495   | 3                     | 14.26 | 4053800 | 20.0 |
| (DEL) Alkane: Cyclic | 14.16 | 57.5    | ng/ul | 11643500 | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 1,6,... | 14.66 | 12.8    | ng/ul | 2586900  | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 1,4,... | 14.73 | 7.8     | ng/ul | 1574580  | 3                     | 14.26 | 4053800 | 20.0 |
| Octadecane, 2-met... | 14.79 | 16.8    | ng/ul | 3401540  | 3                     | 14.26 | 4053800 | 20.0 |
| Naphthalene, 2,3,... | 14.89 | 4.0     | ng/ul | 803229   | 3                     | 14.26 | 4053800 | 20.0 |
| (DEL) Alkane: Cyclic | 15.12 | 49.2    | ng/ul | 9966400  | 3                     | 14.26 | 4053800 | 20.0 |
| (DEL) Alkane: Bra... | 15.53 | 33.7    | ng/ul | 6825890  | 3                     | 14.26 | 4053800 | 20.0 |
| Tridecane, 6-propyl- | 15.62 | 9.6     | ng/ul | 1952890  | 3                     | 14.26 | 4053800 | 20.0 |