

Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
 Data File : BM001993.D  
 Acq On : 21 Jul 2015 02:53  
 Operator : TP/UM  
 Sample : G3000-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C02K3

## 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 : S:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.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         | 2.834       | 22            | 25          | 28           | rVV      | 57420          | 68416         | 0.37%           | 0.163%        |
| 2         | 2.875       | 28            | 32          | 37           | rVV      | 252240         | 333332        | 1.80%           | 0.792%        |
| 3         | 2.922       | 37            | 40          | 48           | rVB      | 41265          | 56601         | 0.31%           | 0.135%        |
| 4         | 3.652       | 160           | 164         | 173          | rVB      | 43328          | 58310         | 0.32%           | 0.139%        |
| 5         | 3.869       | 194           | 201         | 218          | rBV      | 12695686       | 18474089      | 100.00%         | 43.902%       |
| 6         | 5.657       | 499           | 505         | 513          | rBV2     | 50776          | 100126        | 0.54%           | 0.238%        |
| 7         | 6.828       | 693           | 704         | 716          | rVB      | 200722         | 363901        | 1.97%           | 0.865%        |
| 8         | 6.992       | 726           | 732         | 742          | rVB      | 154822         | 242883        | 1.31%           | 0.577%        |
| 9         | 7.187       | 760           | 765         | 774          | rVB      | 211399         | 334322        | 1.81%           | 0.794%        |
| 10        | 7.310       | 781           | 786         | 792          | rBV4     | 25705          | 51242         | 0.28%           | 0.122%        |
| 11        | 7.657       | 833           | 845         | 851          | rVV      | 427895         | 694352        | 3.76%           | 1.650%        |
| 12        | 8.192       | 929           | 936         | 946          | rVB2     | 22319          | 43957         | 0.24%           | 0.104%        |
| 13        | 8.363       | 958           | 965         | 973          | rBV      | 119109         | 190369        | 1.03%           | 0.452%        |
| 14        | 8.475       | 979           | 984         | 995          | rVB      | 95486          | 155041        | 0.84%           | 0.368%        |
| 15        | 8.751       | 1026          | 1031        | 1036         | rVB3     | 15727          | 23715         | 0.13%           | 0.056%        |
| 16        | 8.816       | 1036          | 1042        | 1050         | rBV      | 186041         | 320847        | 1.74%           | 0.762%        |
| 17        | 8.934       | 1055          | 1062        | 1066         | rVV5     | 12987          | 34258         | 0.19%           | 0.081%        |
| 18        | 8.992       | 1070          | 1072        | 1081         | rVB6     | 11991          | 22138         | 0.12%           | 0.053%        |
| 19        | 9.357       | 1130          | 1134        | 1139         | rVB4     | 16421          | 27114         | 0.15%           | 0.064%        |
| 20        | 9.469       | 1147          | 1153        | 1158         | rBV      | 46127          | 78778         | 0.43%           | 0.187%        |
| 21        | 9.534       | 1158          | 1164        | 1174         | rVV      | 144100         | 268809        | 1.46%           | 0.639%        |
| 22        | 9.616       | 1174          | 1178        | 1185         | rVV6     | 21790          | 40922         | 0.22%           | 0.097%        |
| 23        | 9.692       | 1187          | 1191        | 1198         | rVB3     | 17034          | 34512         | 0.19%           | 0.082%        |
| 24        | 9.845       | 1211          | 1217        | 1221         | rBV4     | 10426          | 24623         | 0.13%           | 0.059%        |
| 25        | 9.892       | 1221          | 1225        | 1231         | rVB7     | 14517          | 24160         | 0.13%           | 0.057%        |
| 26        | 10.069      | 1249          | 1255        | 1263         | rVB      | 257409         | 418569        | 2.27%           | 0.995%        |
| 27        | 10.145      | 1263          | 1268        | 1270         | rBV3     | 10707          | 18670         | 0.10%           | 0.044%        |
| 28        | 10.328      | 1290          | 1299        | 1303         | rBV9     | 11672          | 36883         | 0.20%           | 0.088%        |
| 29        | 10.445      | 1308          | 1319        | 1325         | rVV      | 605663         | 1055244       | 5.71%           | 2.508%        |
| 30        | 10.498      | 1325          | 1328        | 1333         | rVV      | 38878          | 64395         | 0.35%           | 0.153%        |
| 31        | 10.592      | 1333          | 1344        | 1352         | rVV3     | 130189         | 279176        | 1.51%           | 0.663%        |
| 32        | 10.657      | 1352          | 1355        | 1363         | rVV7     | 12523          | 30833         | 0.17%           | 0.073%        |
| 33        | 10.833      | 1377          | 1385        | 1387         | rBV7     | 8569           | 19457         | 0.11%           | 0.046%        |
| 34        | 11.092      | 1425          | 1429        | 1433         | rVV3     | 42023          | 78506         | 0.42%           | 0.187%        |

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Method : S:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |       |        |
|----|--------|------|------|------|------|--------|---------|-------|--------|
| 35 | 11.133 | 1433 | 1436 | 1443 | rVB6 | 29696  | 51409   | 0.28% | 0.122% |
| 36 | 11.357 | 1468 | 1474 | 1480 | rVB7 | 15825  | 38026   | 0.21% | 0.090% |
| 37 | 11.463 | 1487 | 1492 | 1496 | rBV  | 46691  | 79660   | 0.43% | 0.189% |
| 38 | 11.869 | 1553 | 1561 | 1563 | rBV6 | 8287   | 21004   | 0.11% | 0.050% |
| 39 | 12.333 | 1633 | 1640 | 1649 | rBV5 | 20415  | 61437   | 0.33% | 0.146% |
| 40 | 12.569 | 1677 | 1680 | 1688 | rVB3 | 33014  | 69703   | 0.38% | 0.166% |
| 41 | 12.651 | 1688 | 1694 | 1700 | rBV6 | 32105  | 67540   | 0.37% | 0.161% |
| 42 | 12.733 | 1705 | 1708 | 1715 | rVV7 | 16999  | 26656   | 0.14% | 0.063% |
| 43 | 12.833 | 1720 | 1725 | 1731 | rVV  | 76647  | 128187  | 0.69% | 0.305% |
| 44 | 12.892 | 1731 | 1735 | 1743 | rVB8 | 24868  | 59464   | 0.32% | 0.141% |
| 45 | 13.145 | 1775 | 1778 | 1782 | rVB4 | 27935  | 37227   | 0.20% | 0.088% |
| 46 | 13.233 | 1787 | 1793 | 1799 | rVV8 | 28731  | 85513   | 0.46% | 0.203% |
| 47 | 13.286 | 1800 | 1802 | 1807 | rVB6 | 20922  | 30115   | 0.16% | 0.072% |
| 48 | 13.363 | 1812 | 1815 | 1819 | rVB5 | 28455  | 38377   | 0.21% | 0.091% |
| 49 | 13.445 | 1825 | 1829 | 1830 | rBV4 | 15390  | 21604   | 0.12% | 0.051% |
| 50 | 13.580 | 1848 | 1852 | 1855 | rBV6 | 12575  | 19668   | 0.11% | 0.047% |
| 51 | 13.633 | 1856 | 1861 | 1865 | rVV  | 43962  | 72872   | 0.39% | 0.173% |
| 52 | 13.686 | 1867 | 1870 | 1871 | rVV  | 20390  | 22035   | 0.12% | 0.052% |
| 53 | 13.721 | 1871 | 1876 | 1881 | rVV  | 499638 | 736731  | 3.99% | 1.751% |
| 54 | 13.774 | 1881 | 1885 | 1892 | rVB2 | 493210 | 840808  | 4.55% | 1.998% |
| 55 | 13.839 | 1892 | 1896 | 1899 | rBV6 | 29503  | 50346   | 0.27% | 0.120% |
| 56 | 13.957 | 1912 | 1916 | 1919 | rBV4 | 20383  | 34967   | 0.19% | 0.083% |
| 57 | 14.004 | 1919 | 1924 | 1929 | rBV  | 428861 | 642157  | 3.48% | 1.526% |
| 58 | 14.133 | 1942 | 1946 | 1953 | rVB3 | 66068  | 118558  | 0.64% | 0.282% |
| 59 | 14.210 | 1954 | 1959 | 1964 | rBV4 | 38143  | 65315   | 0.35% | 0.155% |
| 60 | 14.316 | 1966 | 1977 | 1983 | rBV2 | 880613 | 1428122 | 7.73% | 3.394% |
| 61 | 14.374 | 1984 | 1987 | 1989 | rBV3 | 23444  | 31991   | 0.17% | 0.076% |
| 62 | 14.527 | 2008 | 2013 | 2020 | rVB  | 170927 | 305754  | 1.66% | 0.727% |
| 63 | 14.674 | 2035 | 2038 | 2041 | rBV5 | 19009  | 31761   | 0.17% | 0.075% |
| 64 | 14.710 | 2041 | 2044 | 2050 | rVB  | 67979  | 97284   | 0.53% | 0.231% |
| 65 | 14.792 | 2055 | 2058 | 2061 | rVB  | 37399  | 40689   | 0.22% | 0.097% |
| 66 | 14.833 | 2061 | 2065 | 2074 | rVB5 | 72176  | 135329  | 0.73% | 0.322% |
| 67 | 14.933 | 2078 | 2082 | 2086 | rBV2 | 51902  | 89504   | 0.48% | 0.213% |
| 68 | 15.027 | 2095 | 2098 | 2103 | rBV6 | 22433  | 43576   | 0.24% | 0.104% |
| 69 | 15.098 | 2106 | 2110 | 2114 | rVV5 | 42337  | 75401   | 0.41% | 0.179% |
| 70 | 15.310 | 2141 | 2146 | 2151 | rVB  | 500656 | 677115  | 3.67% | 1.609% |
| 71 | 15.363 | 2151 | 2155 | 2159 | rBV2 | 33947  | 55503   | 0.30% | 0.132% |

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|----|--------|------|------|------|------|--------|---------|-------|--------|
| 72 | 15.568 | 2185 | 2190 | 2197 | rVB2 | 164239 | 259297  | 1.40% | 0.616% |
| 73 | 15.657 | 2202 | 2205 | 2213 | rVB6 | 43702  | 95128   | 0.51% | 0.226% |
| 74 | 15.780 | 2222 | 2226 | 2229 | rBV2 | 40986  | 52455   | 0.28% | 0.125% |
| 75 | 15.963 | 2253 | 2257 | 2263 | rBV8 | 22706  | 60440   | 0.33% | 0.144% |
| 76 | 16.045 | 2264 | 2271 | 2276 | rVV  | 309894 | 516346  | 2.79% | 1.227% |
| 77 | 16.139 | 2285 | 2287 | 2290 | rBV3 | 20806  | 29216   | 0.16% | 0.069% |
| 78 | 16.604 | 2363 | 2366 | 2369 | rBV4 | 35067  | 52765   | 0.29% | 0.125% |
| 79 | 16.815 | 2399 | 2402 | 2405 | rBV  | 41842  | 50215   | 0.27% | 0.119% |
| 80 | 16.868 | 2407 | 2411 | 2421 | rVB2 | 140738 | 255869  | 1.39% | 0.608% |
| 81 | 17.062 | 2439 | 2444 | 2448 | rBV  | 995983 | 1380680 | 7.47% | 3.281% |
| 82 | 17.104 | 2448 | 2451 | 2456 | rVB  | 157254 | 201844  | 1.09% | 0.480% |
| 83 | 17.162 | 2456 | 2461 | 2465 | rBV  | 470431 | 656745  | 3.55% | 1.561% |
| 84 | 17.474 | 2510 | 2514 | 2519 | rVB3 | 58933  | 91587   | 0.50% | 0.218% |
| 85 | 17.557 | 2524 | 2528 | 2531 | rBV  | 59105  | 72821   | 0.39% | 0.173% |
| 86 | 19.127 | 2790 | 2795 | 2800 | rBV  | 264534 | 375272  | 2.03% | 0.892% |
| 87 | 19.180 | 2800 | 2804 | 2810 | rVV  | 265503 | 342036  | 1.85% | 0.813% |
| 88 | 19.462 | 2848 | 2852 | 2855 | rBV2 | 523957 | 752465  | 4.07% | 1.788% |
| 89 | 20.003 | 2941 | 2944 | 2948 | rVB  | 202091 | 220584  | 1.19% | 0.524% |
| 90 | 20.503 | 3025 | 3029 | 3033 | rVB  | 345238 | 386050  | 2.09% | 0.917% |
| 91 | 20.968 | 3104 | 3108 | 3115 | rVB  | 474021 | 582241  | 3.15% | 1.384% |
| 92 | 21.256 | 3152 | 3157 | 3161 | rBV  | 987384 | 1350929 | 7.31% | 3.210% |
| 93 | 21.403 | 3178 | 3182 | 3187 | rVB  | 481835 | 505133  | 2.73% | 1.200% |
| 94 | 21.833 | 3252 | 3255 | 3259 | rVB  | 404756 | 431391  | 2.34% | 1.025% |
| 95 | 22.286 | 3329 | 3332 | 3338 | rVB  | 356162 | 464010  | 2.51% | 1.103% |
| 96 | 22.791 | 3414 | 3418 | 3427 | rBV2 | 241256 | 454927  | 2.46% | 1.081% |
| 97 | 23.350 | 3508 | 3513 | 3517 | rBV2 | 370571 | 608504  | 3.29% | 1.446% |
| 98 | 23.491 | 3532 | 3537 | 3551 | rVB  | 655779 | 1331047 | 7.20% | 3.163% |

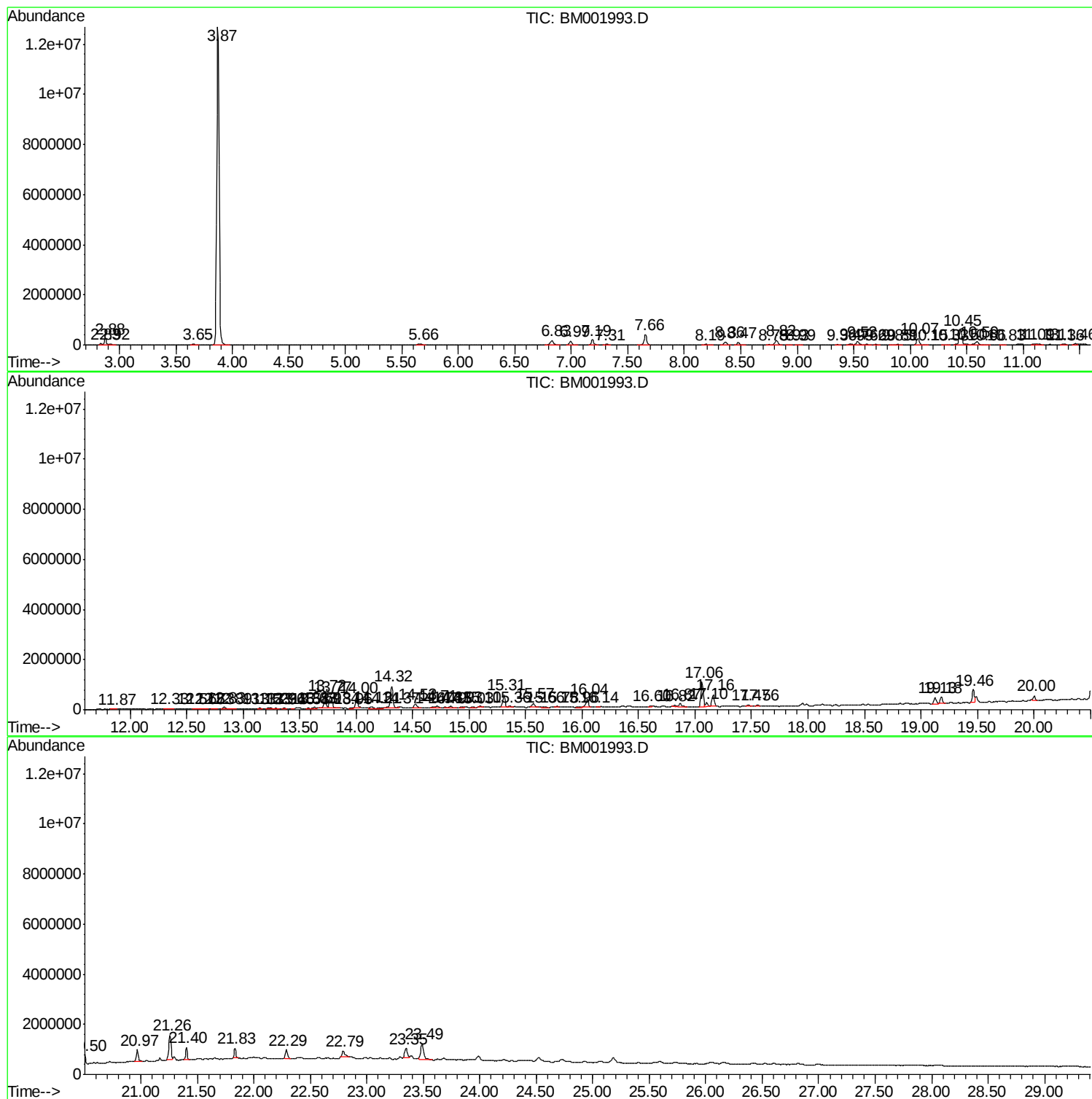
Sum of corrected areas: 42079955

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ALS Vial : 26 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

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



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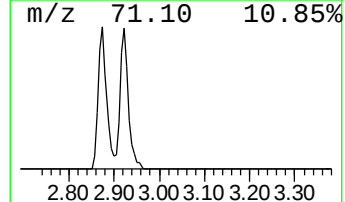
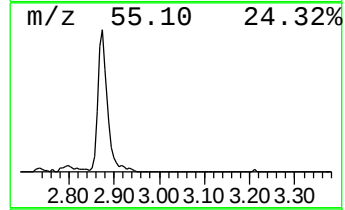
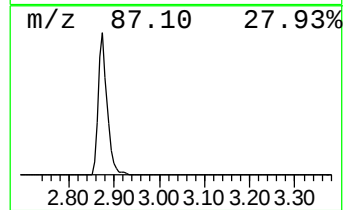
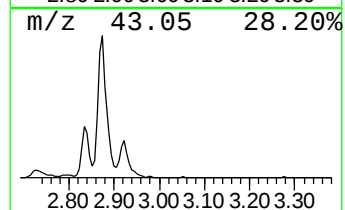
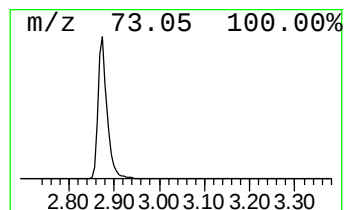
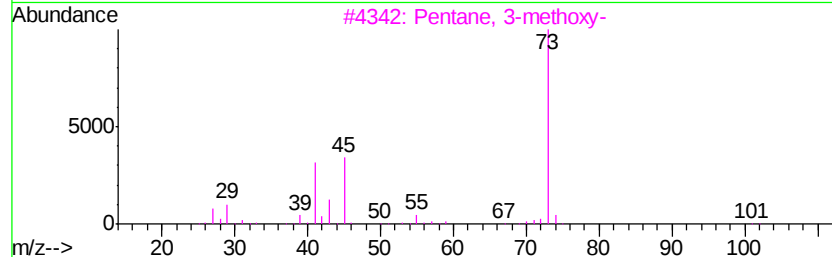
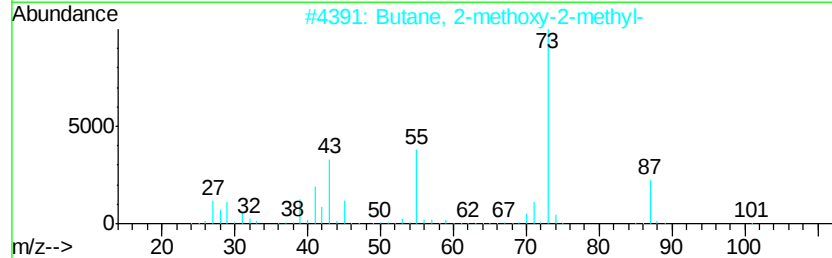
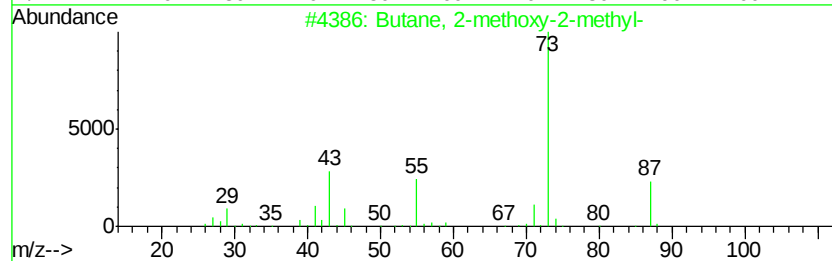
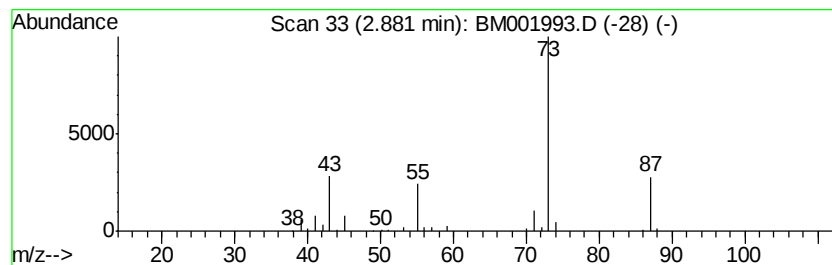
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.88 | 9.60 ng/ul | 333332 | 1,4-Dichlorobenzene-d4 | 7.66 |

| 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    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 5    |    |   | Acetamide, N-methyl-        | 73  | C3H7NO  | 000079-16-3 | 9    |



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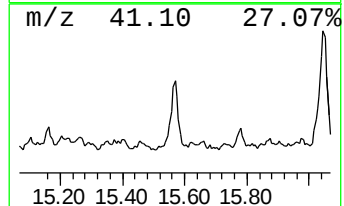
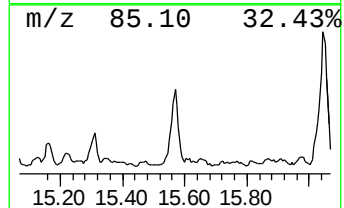
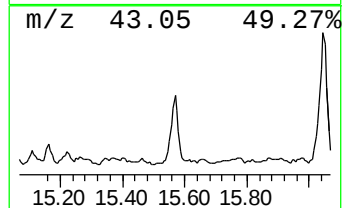
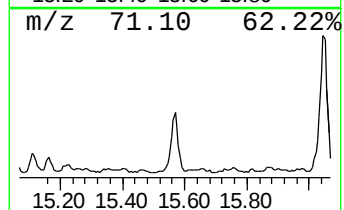
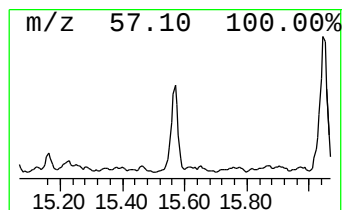
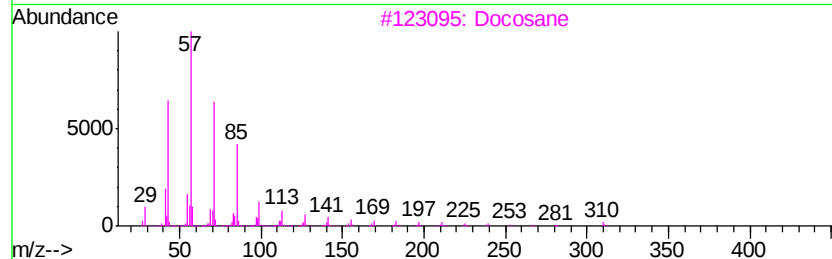
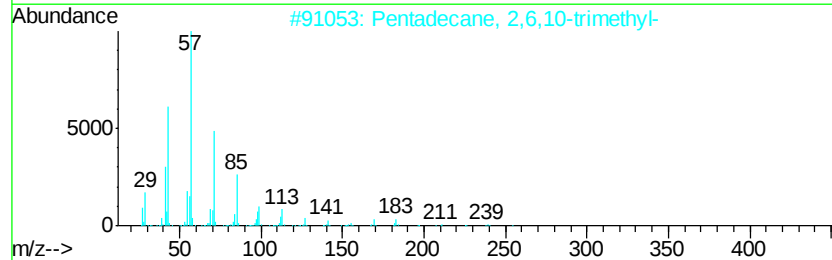
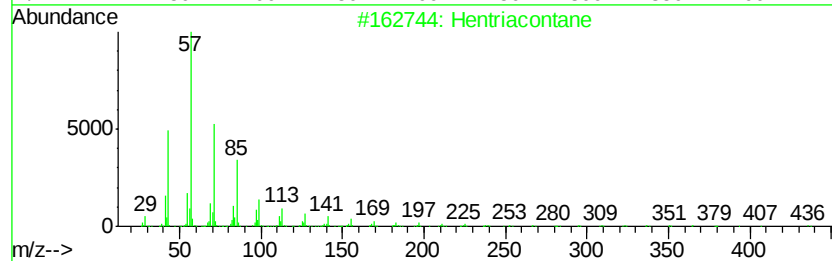
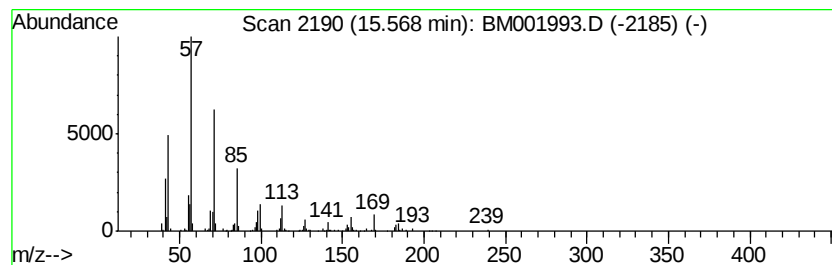
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.57 | 3.63 ng/ul | 259297 | Acenaphthene-d10 | 14.32 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hentriacontane                 | 437 | C31H64  | 000630-04-6 | 80   |
| 2    |    |   | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 80   |
| 3    |    |   | Docosane                       | 310 | C22H46  | 000629-97-0 | 80   |
| 4    |    |   | Dodecane, 1-iodo-              | 296 | C12H25I | 004292-19-7 | 68   |
| 5    |    |   | Tridecane                      | 184 | C13H28  | 000629-50-5 | 64   |



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C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

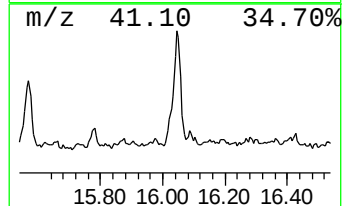
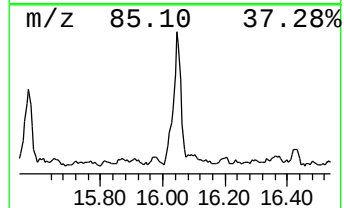
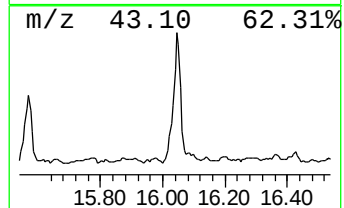
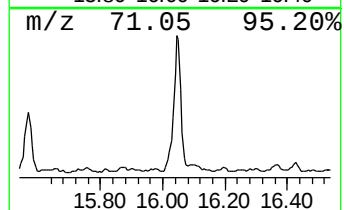
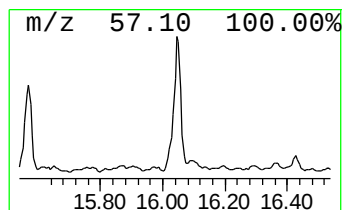
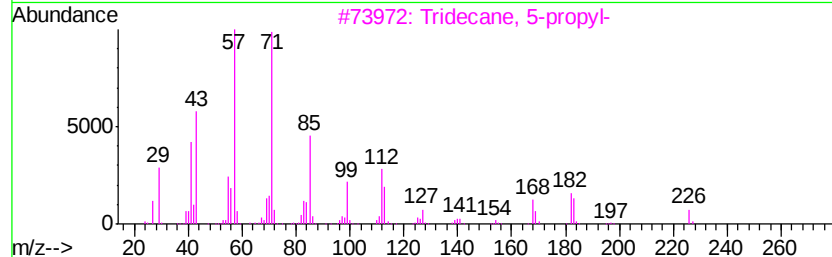
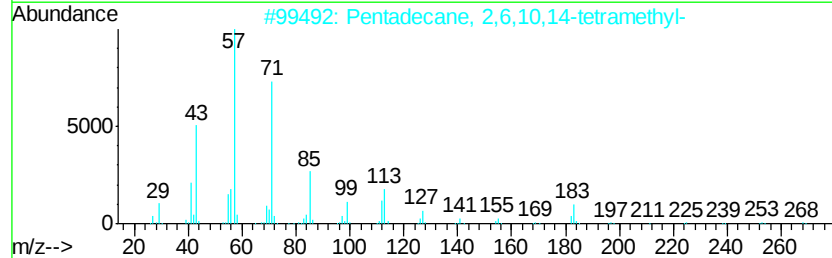
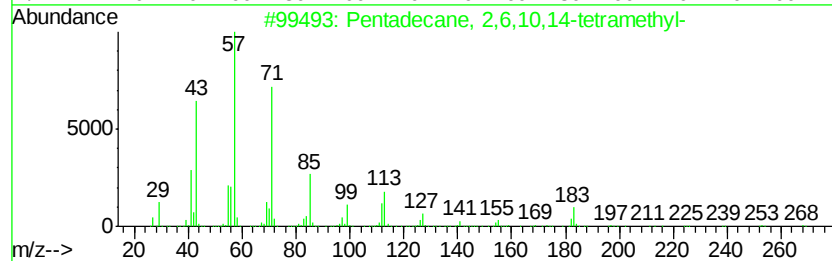
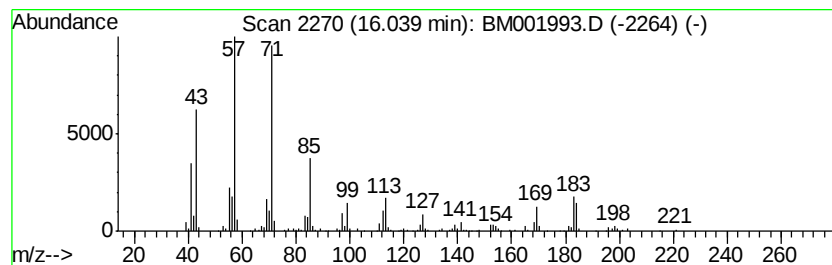
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.04 | 7.48 ng/ul | 516346 | Phenanthrene-d10 | 17.06 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 86   |
| 2    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 86   |
| 3    |    | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 80   |
| 4    |    | Pentadecane, 4-methyl-              | 226 | C16H34  | 002801-87-8 | 80   |
| 5    |    | Hexadecane, 2,6,11,15-tetramethyl-  | 282 | C20H42  | 000504-44-9 | 80   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

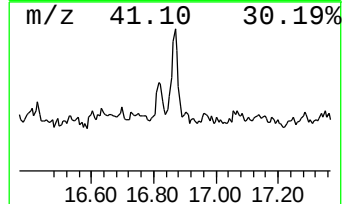
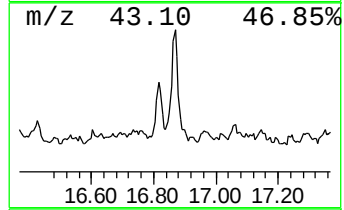
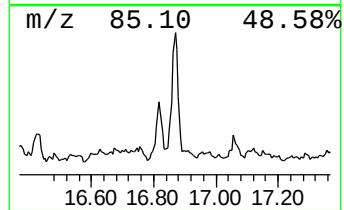
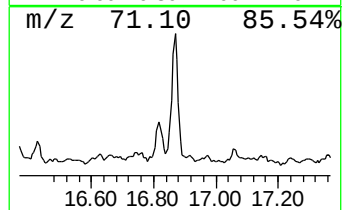
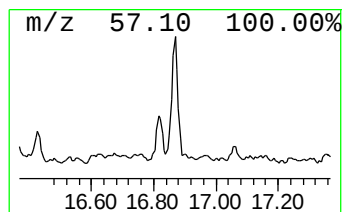
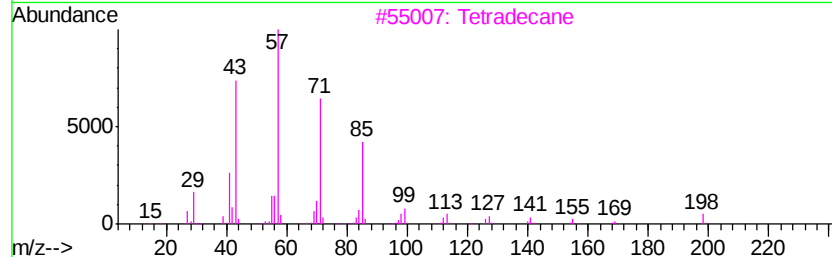
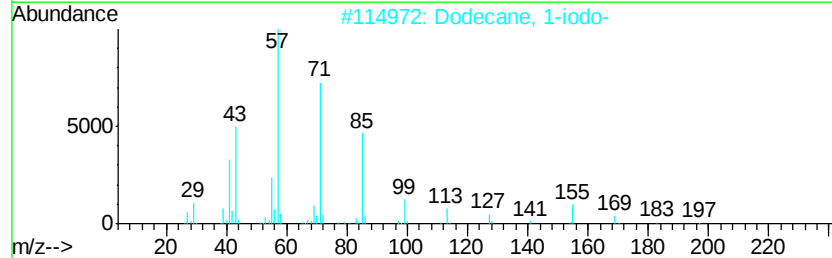
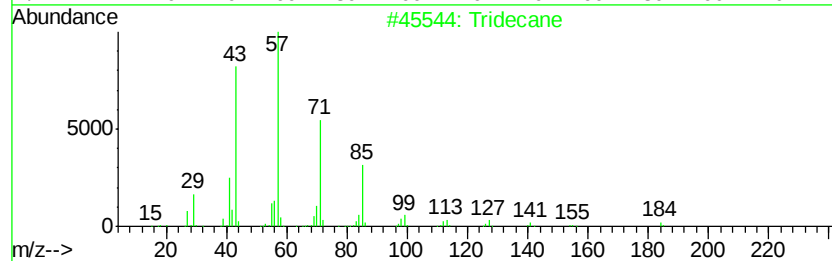
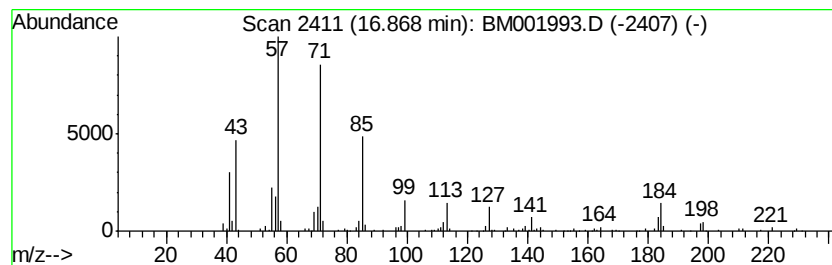
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.87 | 3.71 ng/ul | 255869 | Phenanthrene-d10 | 17.06 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane           | 184 | C13H28  | 000629-50-5 | 86   |
| 2    |    | Dodecane, 1-iodo-   | 296 | C12H25I | 004292-19-7 | 80   |
| 3    |    | Tetradecane         | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 78   |
| 5    |    | Dodecane, 3-methyl- | 184 | C13H28  | 017312-57-1 | 72   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

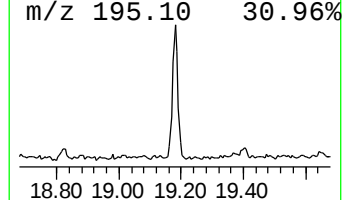
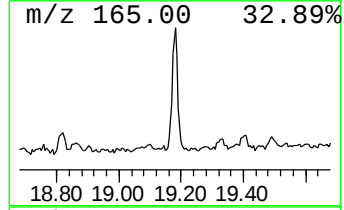
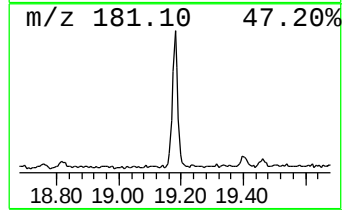
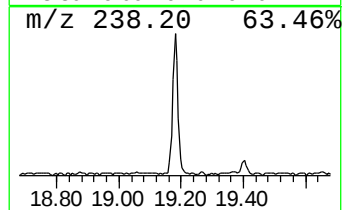
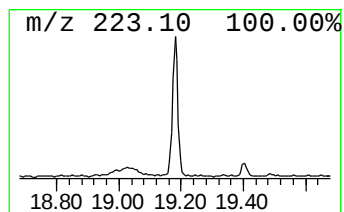
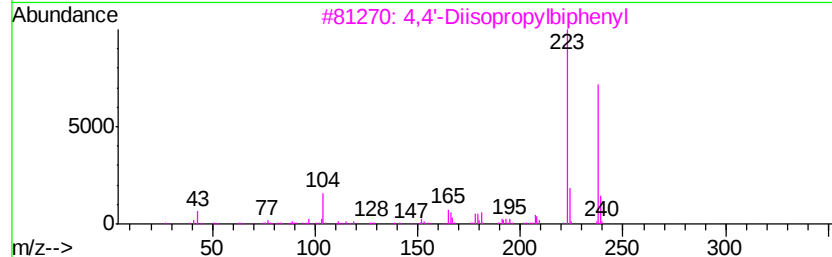
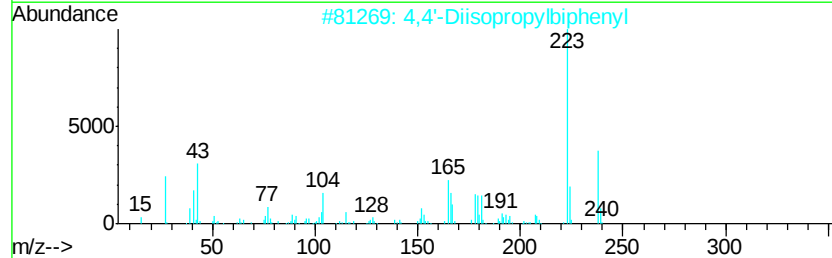
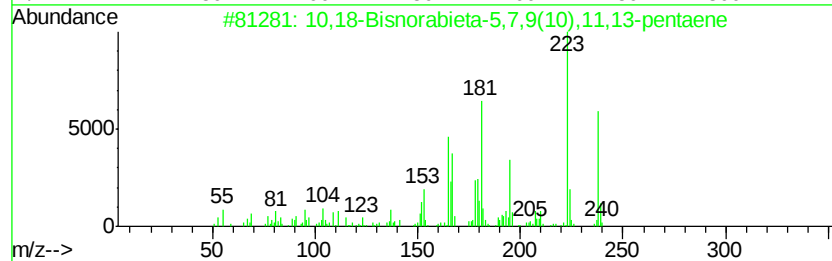
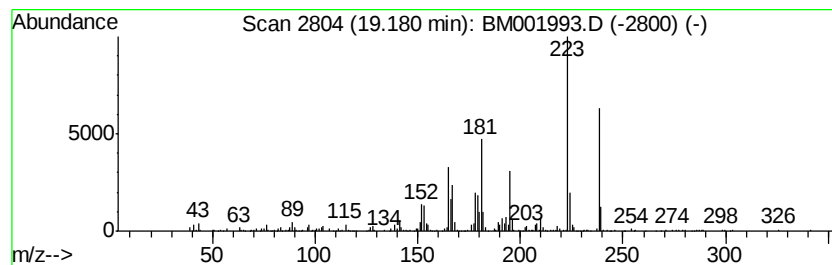
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.18 | 5.06 ng/ul | 342036 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22   | 006566-19-4 | 99   |
| 2    |    | 4,4'-Diisopropylbiphenyl            | 238 | C18H22   | 018970-30-4 | 53   |
| 3    |    | 4,4'-Diisopropylbiphenyl            | 238 | C18H22   | 018970-30-4 | 49   |
| 4    |    | 3,3'-Diacetylbiiphenyl              | 238 | C16H14O2 | 094113-07-2 | 46   |
| 5    |    | 9,10-Anthracenedione, 2-amino-      | 223 | C14H9NO2 | 000117-79-3 | 38   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

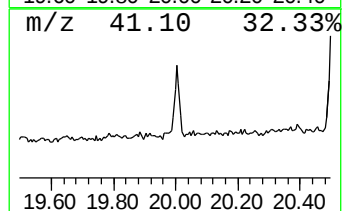
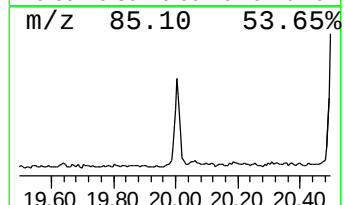
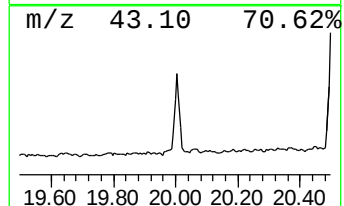
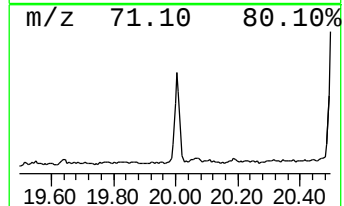
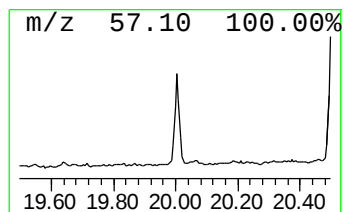
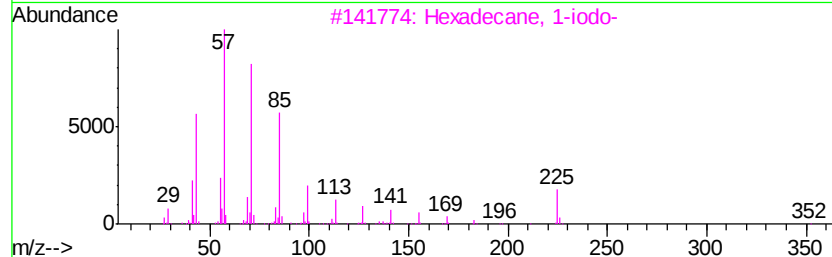
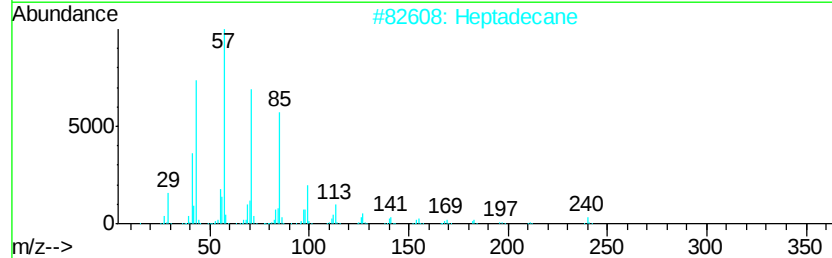
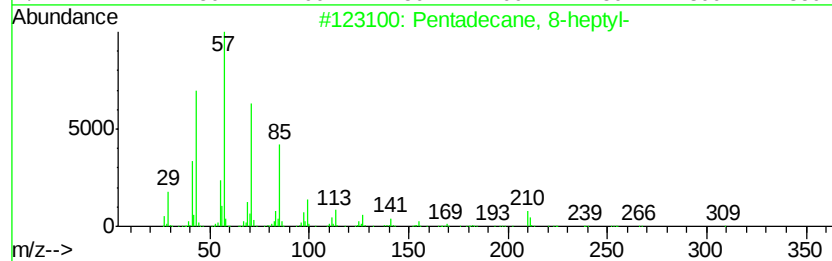
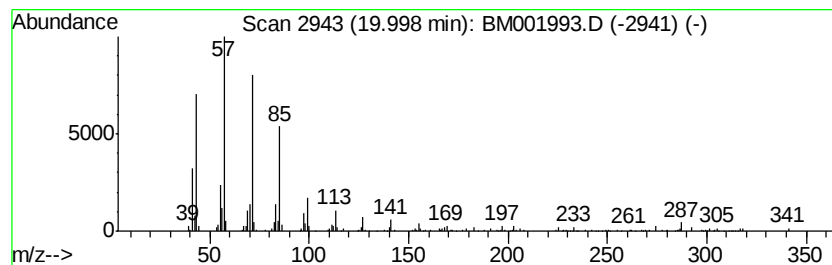
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.00 | 3.27 ng/ul | 220584 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    | Heptadecane            | 240 | C17H36  | 000629-78-7 | 86   |
| 3    |    | Hexadecane, 1-iodo-    | 352 | C16H33I | 000544-77-4 | 86   |
| 4    |    | Hexadecane             | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |    | Eicosane, 2-methyl-    | 296 | C21H44  | 001560-84-5 | 80   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

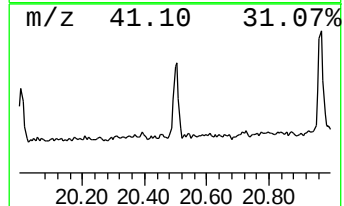
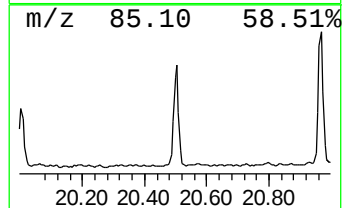
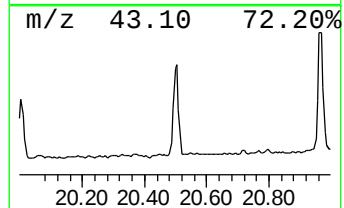
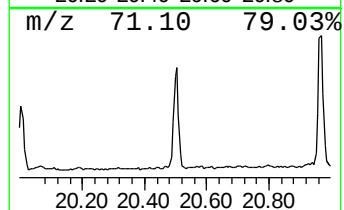
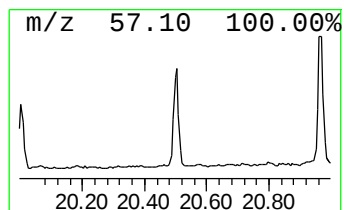
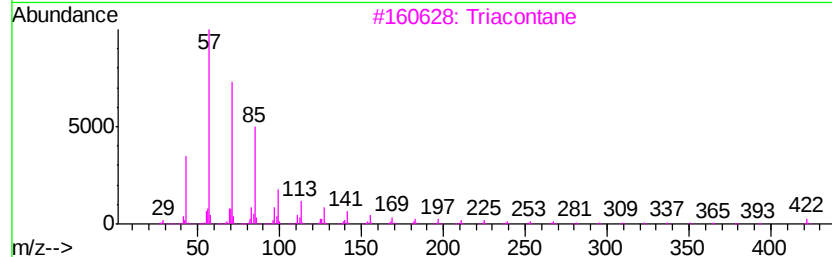
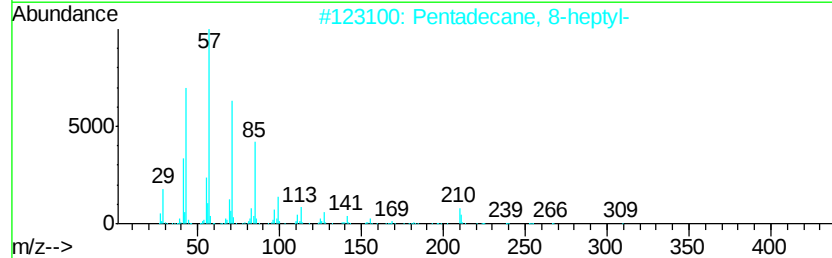
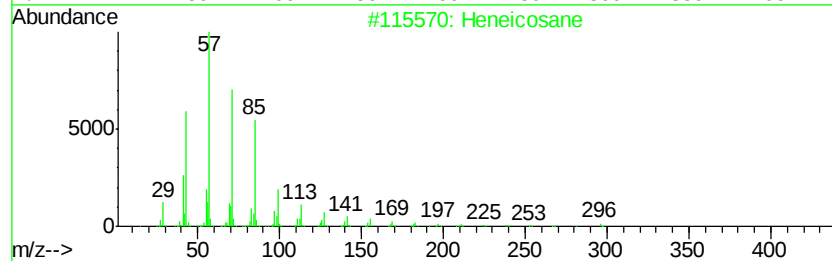
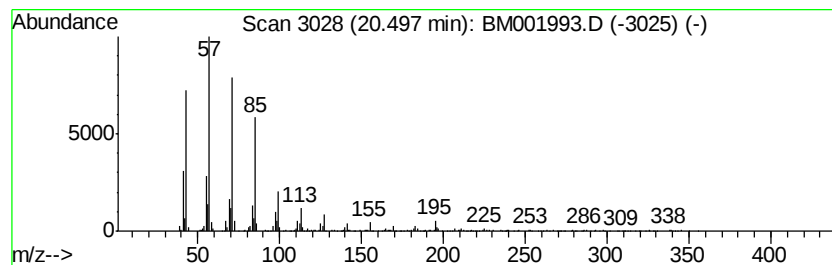
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.50 | 5.72 ng/ul | 386050 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 3    |    | Triacontane            | 422 | C30H62  | 000638-68-6 | 91   |
| 4    |    | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 90   |
| 5    |    | Heptadecane            | 240 | C17H36  | 000629-78-7 | 86   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

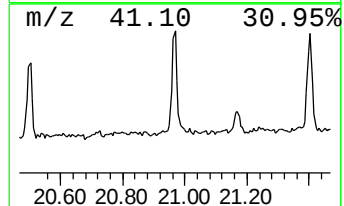
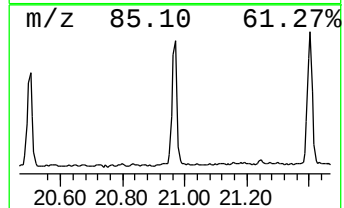
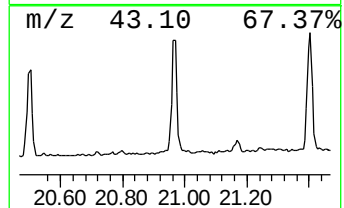
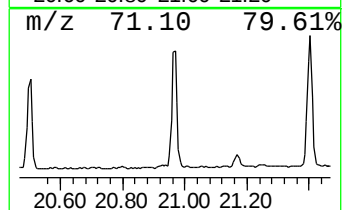
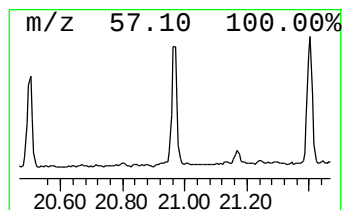
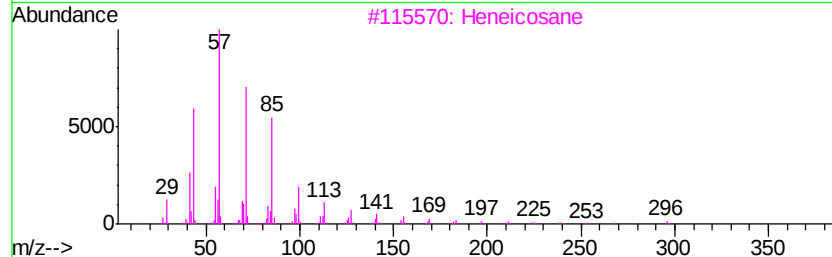
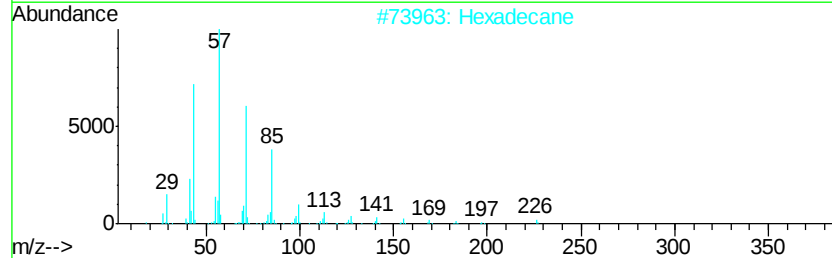
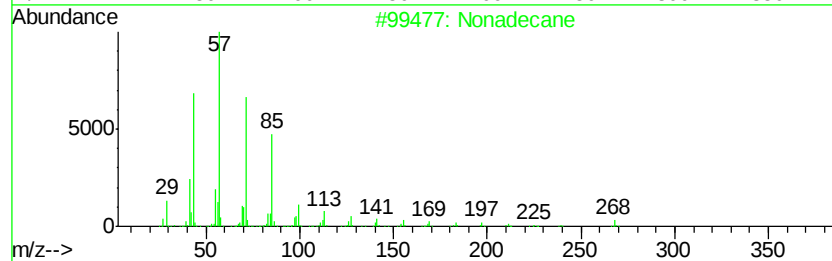
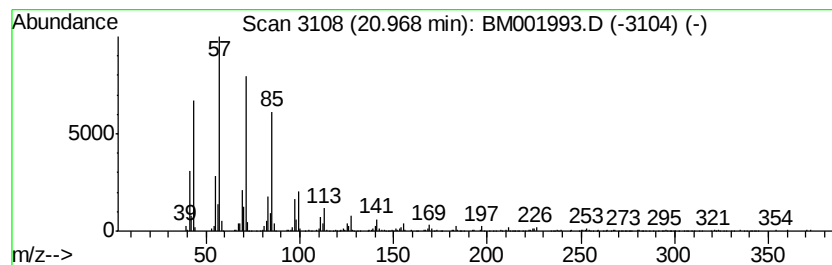
Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.      | EstConc      | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------|--------|------------------|-------------|-------|
| 20.97     | 8.62 ng/ul   | 582241 | Chrysene-d12     |             | 21.26 |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual  |
| 1         | Nonadecane   | 268    | C19H40           | 000629-92-5 | 93    |
| 2         | Hexadecane   | 226    | C16H34           | 000544-76-3 | 93    |
| 3         | Heneicosane  | 296    | C21H44           | 000629-94-7 | 91    |
| 4         | Hexadecane   | 226    | C16H34           | 000544-76-3 | 91    |
| 5         | Heptacosane  | 380    | C27H56           | 000593-49-7 | 91    |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

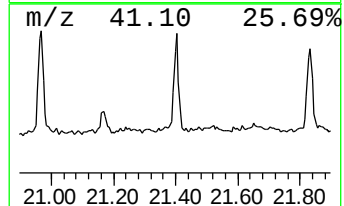
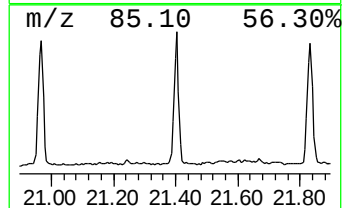
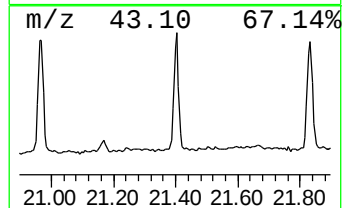
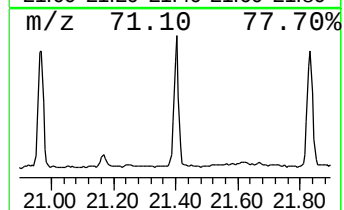
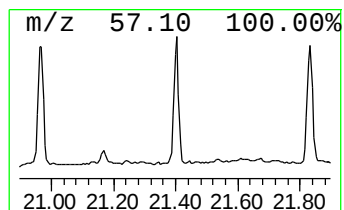
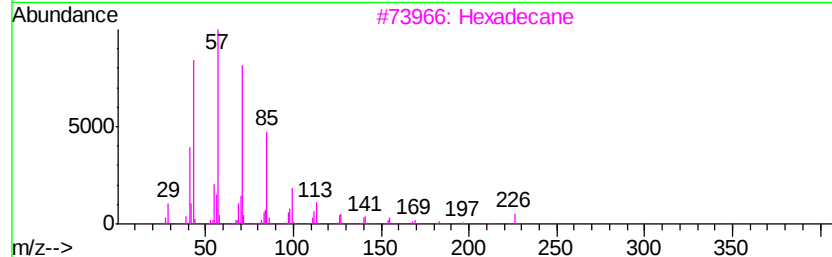
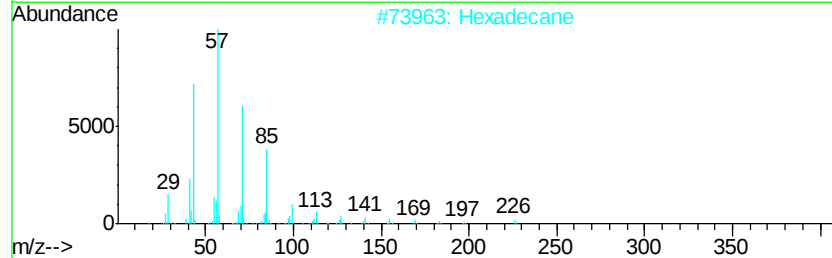
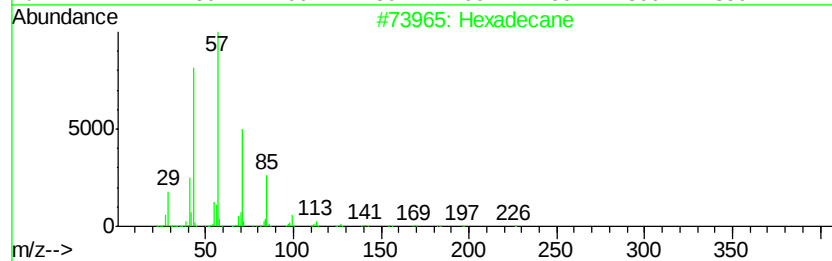
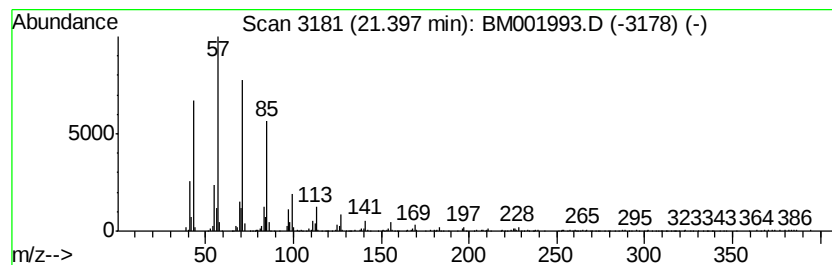
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.40 | 7.48 ng/ul | 505133 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 94   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 4    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 90   |
| 5    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

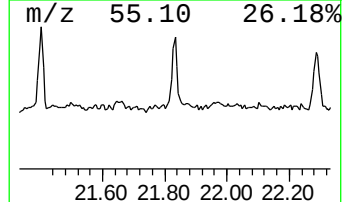
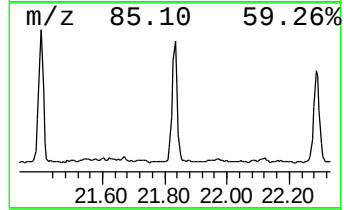
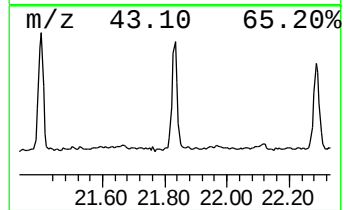
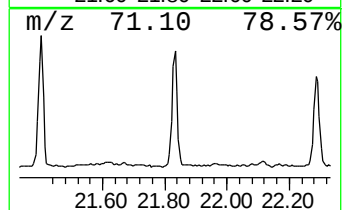
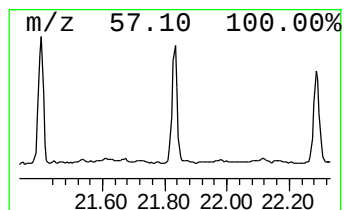
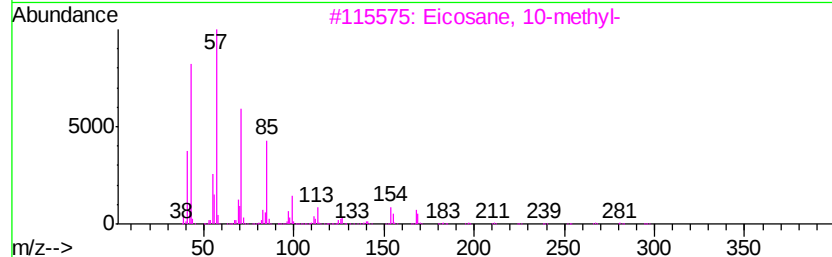
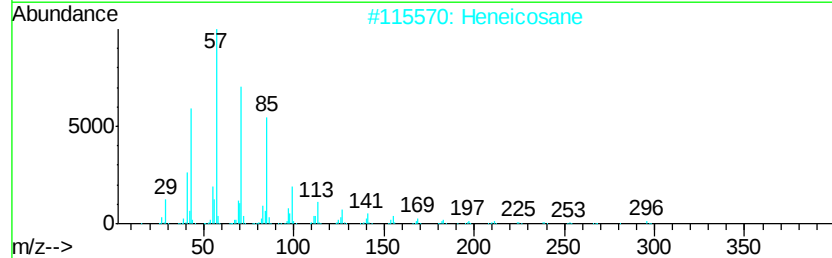
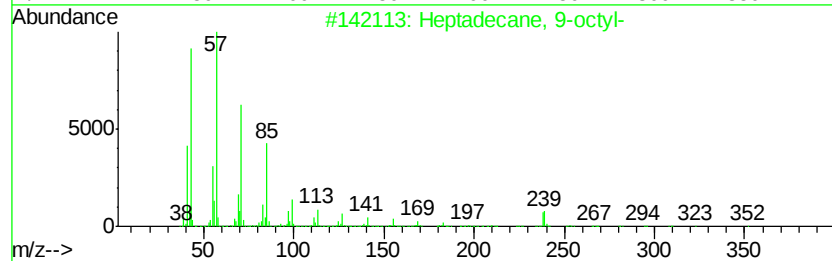
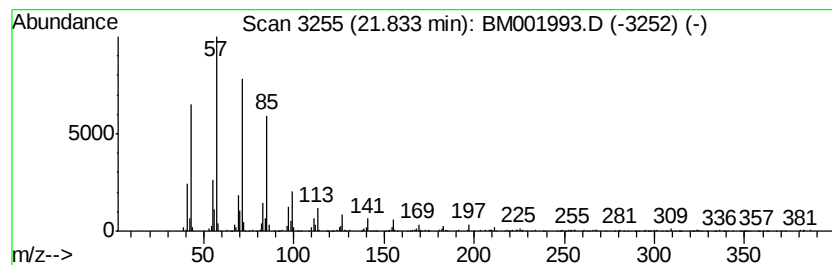
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.83 | 6.39 ng/ul | 431391 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 95   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 91   |
| 4    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

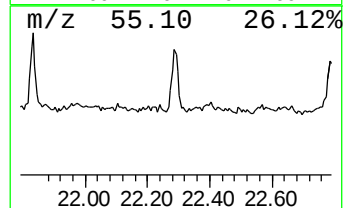
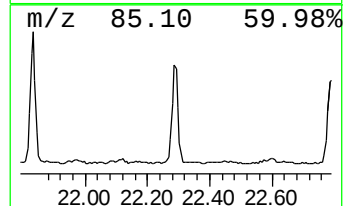
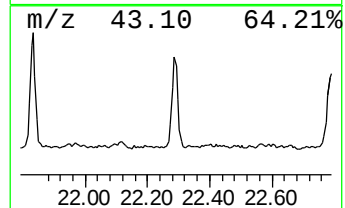
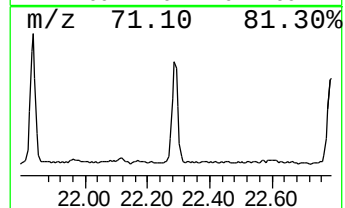
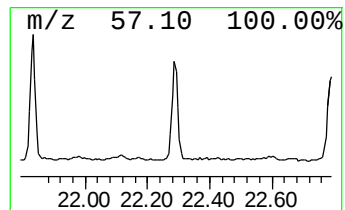
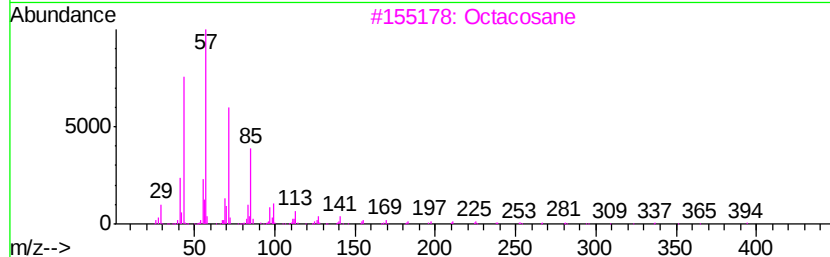
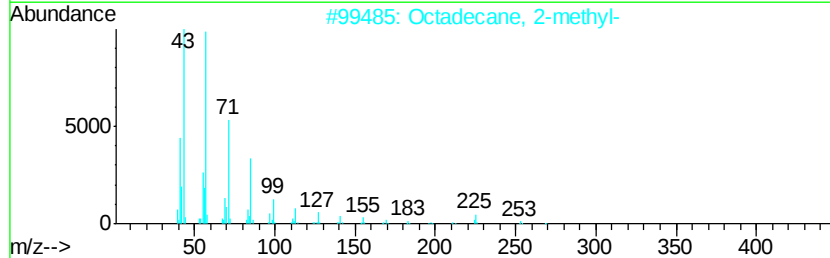
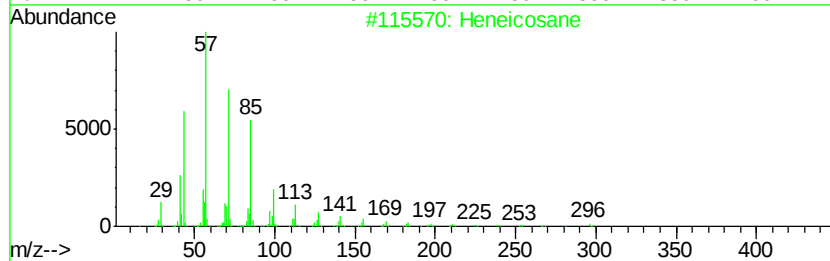
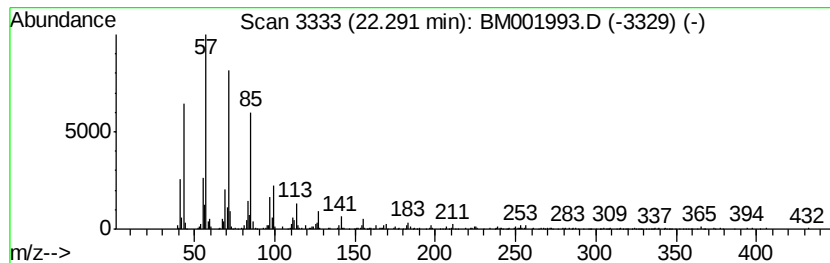
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.29 | 6.87 ng/ul | 464010 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Octadecane, 2-methyl-               | 268 | C19H40  | 001560-88-9 | 91   |
| 3    |    | Octacosane                          | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 91   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 89   |



Data Path : S:\HPCHEM1\BNA\_M\DATA\BM072015\  
Data File : BM001993.D  
Acq On : 21 Jul 2015 02:53  
Operator : TP/UM  
Sample : G3000-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C02K3

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.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... | 2.88  | 9.6     | ng/ul | 333332   | 1                     | 7.66  | 694352  | 20.0 |
| (DEL) Alkane: Str... | 15.57 | 3.6     | ng/ul | 259297   | 3                     | 14.32 | 1428120 | 20.0 |
| (DEL) Alkane: Str... | 16.04 | 7.5     | ng/ul | 516346   | 4                     | 17.06 | 1380680 | 20.0 |
| (DEL) Alkane: Str... | 16.87 | 3.7     | ng/ul | 255869   | 4                     | 17.06 | 1380680 | 20.0 |
| 10,18-Bisnorabiet... | 19.18 | 5.1     | ng/ul | 342036   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 20.00 | 3.3     | ng/ul | 220584   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 20.50 | 5.7     | ng/ul | 386050   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 20.97 | 8.6     | ng/ul | 582241   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 21.40 | 7.5     | ng/ul | 505133   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 21.83 | 6.4     | ng/ul | 431391   | 5                     | 21.26 | 1350930 | 20.0 |
| (DEL) Alkane: Str... | 22.29 | 6.9     | ng/ul | 464010   | 5                     | 21.26 | 1350930 | 20.0 |