

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
 Data File : BG018373.D  
 Acq On : 11 Aug 2015 3:16  
 Operator : UM/MA  
 Sample : G3136-18  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02D1

## Integration Parameters: LSCINT.P

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

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

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

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.166       | 52            | 56          | 61           | rVV      | 50283          | 66866         | 1.43%           | 0.104%        |
| 2         | 3.260       | 68            | 72          | 75           | rBV3     | 15343          | 23204         | 0.50%           | 0.036%        |
| 3         | 3.477       | 105           | 109         | 113          | rVB2     | 13987          | 21533         | 0.46%           | 0.034%        |
| 4         | 3.900       | 176           | 181         | 187          | rVB2     | 13735          | 24116         | 0.52%           | 0.038%        |
| 5         | 3.994       | 193           | 197         | 203          | rBV2     | 58680          | 88150         | 1.88%           | 0.138%        |
| 6         | 7.026       | 707           | 713         | 718          | rBV9     | 11355          | 29145         | 0.62%           | 0.046%        |
| 7         | 7.202       | 734           | 743         | 751          | rVV      | 270388         | 493595        | 10.55%          | 0.771%        |
| 8         | 7.361       | 764           | 770         | 778          | rBV      | 254112         | 415594        | 8.88%           | 0.649%        |
| 9         | 7.572       | 799           | 806         | 814          | rVB      | 280658         | 483417        | 10.33%          | 0.755%        |
| 10        | 7.666       | 817           | 822         | 824          | rBV3     | 17793          | 24772         | 0.53%           | 0.039%        |
| 11        | 8.042       | 877           | 886         | 893          | rBV      | 638513         | 1114668       | 23.82%          | 1.741%        |
| 12        | 8.178       | 901           | 909         | 915          | rBV3     | 48239          | 81014         | 1.73%           | 0.127%        |
| 13        | 8.272       | 920           | 925         | 928          | rVV7     | 12613          | 24352         | 0.52%           | 0.038%        |
| 14        | 8.583       | 966           | 978         | 984          | rVV7     | 12681          | 50216         | 1.07%           | 0.078%        |
| 15        | 8.706       | 991           | 999         | 1000         | rBV6     | 12364          | 26458         | 0.57%           | 0.041%        |
| 16        | 8.742       | 1000          | 1005        | 1012         | rVV      | 161871         | 273545        | 5.85%           | 0.427%        |
| 17        | 8.806       | 1012          | 1016        | 1021         | rVV5     | 25029          | 42922         | 0.92%           | 0.067%        |
| 18        | 8.859       | 1021          | 1025        | 1032         | rVB5     | 18379          | 38380         | 0.82%           | 0.060%        |
| 19        | 9.153       | 1071          | 1075        | 1076         | rVV3     | 18036          | 26448         | 0.57%           | 0.041%        |
| 20        | 9.194       | 1077          | 1082        | 1089         | rVV      | 279489         | 499108        | 10.66%          | 0.780%        |
| 21        | 9.270       | 1089          | 1095        | 1100         | rVV      | 68878          | 116516        | 2.49%           | 0.182%        |
| 22        | 9.312       | 1100          | 1102        | 1106         | rVB5     | 14106          | 18346         | 0.39%           | 0.029%        |
| 23        | 9.364       | 1106          | 1111        | 1114         | rBV7     | 13425          | 26158         | 0.56%           | 0.041%        |
| 24        | 9.517       | 1131          | 1137        | 1142         | rVB7     | 10766          | 21921         | 0.47%           | 0.034%        |
| 25        | 9.770       | 1177          | 1180        | 1185         | rVB7     | 12404          | 18312         | 0.39%           | 0.029%        |
| 26        | 9.923       | 1198          | 1206        | 1212         | rBV      | 256792         | 461782        | 9.87%           | 0.721%        |
| 27        | 9.975       | 1212          | 1215        | 1219         | rVB5     | 18109          | 26264         | 0.56%           | 0.041%        |
| 28        | 10.028      | 1219          | 1224        | 1229         | rBV7     | 22486          | 45759         | 0.98%           | 0.071%        |
| 29        | 10.193      | 1247          | 1252        | 1256         | rVB8     | 17173          | 27302         | 0.58%           | 0.043%        |
| 30        | 10.269      | 1258          | 1265        | 1271         | rBV8     | 34413          | 77320         | 1.65%           | 0.121%        |
| 31        | 10.375      | 1279          | 1283        | 1289         | rVV7     | 16324          | 24079         | 0.51%           | 0.038%        |
| 32        | 10.463      | 1292          | 1298        | 1308         | rVB      | 306901         | 574186        | 12.27%          | 0.897%        |
| 33        | 10.616      | 1320          | 1324        | 1331         | rBV9     | 11430          | 23575         | 0.50%           | 0.037%        |
| 34        | 10.728      | 1336          | 1343        | 1344         | rBV7     | 11014          | 19596         | 0.42%           | 0.031%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 10.845 | 1352 | 1363 | 1370 | rBV   | 975618  | 2000633 | 42.75% | 3.125% |
| 36 | 10.898 | 1370 | 1372 | 1378 | rVB3  | 29446   | 42036   | 0.90%  | 0.066% |
| 37 | 10.974 | 1378 | 1385 | 1389 | rBV2  | 110888  | 214008  | 4.57%  | 0.334% |
| 38 | 11.556 | 1479 | 1484 | 1491 | rVB10 | 15369   | 37148   | 0.79%  | 0.058% |
| 39 | 11.626 | 1491 | 1496 | 1498 | rBV6  | 11469   | 19641   | 0.42%  | 0.031% |
| 40 | 11.685 | 1498 | 1506 | 1509 | rBV9  | 13737   | 23765   | 0.51%  | 0.037% |
| 41 | 11.767 | 1516 | 1520 | 1522 | rBV5  | 14142   | 21105   | 0.45%  | 0.033% |
| 42 | 11.867 | 1531 | 1537 | 1542 | rBV   | 43646   | 81222   | 1.74%  | 0.127% |
| 43 | 12.126 | 1578 | 1581 | 1586 | rBV7  | 12180   | 19935   | 0.43%  | 0.031% |
| 44 | 12.261 | 1599 | 1604 | 1608 | rVV3  | 50455   | 77260   | 1.65%  | 0.121% |
| 45 | 12.496 | 1640 | 1644 | 1651 | rVB3  | 27889   | 50941   | 1.09%  | 0.080% |
| 46 | 12.713 | 1675 | 1681 | 1689 | rVB6  | 24326   | 49663   | 1.06%  | 0.078% |
| 47 | 12.960 | 1717 | 1723 | 1727 | rVV9  | 10624   | 27607   | 0.59%  | 0.043% |
| 48 | 13.031 | 1731 | 1735 | 1740 | rBV6  | 24131   | 35426   | 0.76%  | 0.055% |
| 49 | 13.207 | 1762 | 1765 | 1771 | rVB3  | 43933   | 67655   | 1.45%  | 0.106% |
| 50 | 13.277 | 1773 | 1777 | 1781 | rBV3  | 39074   | 54140   | 1.16%  | 0.085% |
| 51 | 13.442 | 1799 | 1805 | 1806 | rBV6  | 13392   | 18134   | 0.39%  | 0.028% |
| 52 | 13.512 | 1810 | 1817 | 1822 | rVV7  | 83816   | 191037  | 4.08%  | 0.298% |
| 53 | 13.571 | 1822 | 1827 | 1840 | rVV5  | 43556   | 115576  | 2.47%  | 0.181% |
| 54 | 13.824 | 1865 | 1870 | 1871 | rBV5  | 16796   | 21585   | 0.46%  | 0.034% |
| 55 | 13.994 | 1894 | 1899 | 1904 | rVV9  | 27881   | 50992   | 1.09%  | 0.080% |
| 56 | 14.071 | 1906 | 1912 | 1916 | rVV   | 619846  | 941604  | 20.12% | 1.471% |
| 57 | 14.112 | 1916 | 1919 | 1924 | rVV   | 397717  | 571246  | 12.21% | 0.892% |
| 58 | 14.153 | 1924 | 1926 | 1930 | rVB2  | 56888   | 58984   | 1.26%  | 0.092% |
| 59 | 14.359 | 1956 | 1961 | 1968 | rVV   | 513046  | 818013  | 17.48% | 1.278% |
| 60 | 14.505 | 1981 | 1986 | 1991 | rVB5  | 53711   | 86364   | 1.85%  | 0.135% |
| 61 | 14.564 | 1991 | 1996 | 2000 | rBV   | 63186   | 92219   | 1.97%  | 0.144% |
| 62 | 14.670 | 2005 | 2014 | 2021 | rBV2  | 1653423 | 2738052 | 58.51% | 4.277% |
| 63 | 14.729 | 2021 | 2024 | 2027 | rBV3  | 18882   | 25058   | 0.54%  | 0.039% |
| 64 | 14.852 | 2039 | 2045 | 2051 | rBV2  | 121086  | 210374  | 4.50%  | 0.329% |
| 65 | 14.993 | 2065 | 2069 | 2076 | rBV5  | 47086   | 90337   | 1.93%  | 0.141% |
| 66 | 15.070 | 2078 | 2082 | 2087 | rVB4  | 49780   | 77612   | 1.66%  | 0.121% |
| 67 | 15.181 | 2098 | 2101 | 2106 | rVB5  | 31876   | 54661   | 1.17%  | 0.085% |
| 68 | 15.457 | 2144 | 2148 | 2153 | rBV7  | 47795   | 72809   | 1.56%  | 0.114% |
| 69 | 15.510 | 2154 | 2157 | 2162 | rVB   | 57831   | 70606   | 1.51%  | 0.110% |
| 70 | 15.657 | 2176 | 2182 | 2187 | rVB   | 651411  | 934389  | 19.97% | 1.459% |
| 71 | 15.710 | 2187 | 2191 | 2195 | rVV4  | 48483   | 64652   | 1.38%  | 0.101% |

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Peak Location: TOP

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
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|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 15.769 | 2197 | 2201 | 2206 | rVB4 | 43222   | 64180   | 1.37%   | 0.100% |
| 73  | 15.916 | 2221 | 2226 | 2232 | rVB  | 61823   | 107771  | 2.30%   | 0.168% |
| 74  | 16.374 | 2300 | 2304 | 2306 | rBV3 | 119461  | 163182  | 3.49%   | 0.255% |
| 75  | 16.397 | 2306 | 2308 | 2313 | rVB  | 124367  | 164263  | 3.51%   | 0.257% |
| 76  | 17.167 | 2436 | 2439 | 2442 | rVB2 | 86125   | 97616   | 2.09%   | 0.152% |
| 77  | 17.220 | 2445 | 2448 | 2454 | rVB2 | 79847   | 118428  | 2.53%   | 0.185% |
| 78  | 17.414 | 2475 | 2481 | 2485 | rBV  | 1968163 | 2991936 | 63.93%  | 4.673% |
| 79  | 17.449 | 2485 | 2487 | 2492 | rVV  | 257764  | 359663  | 7.69%   | 0.562% |
| 80  | 17.508 | 2492 | 2497 | 2502 | rVV2 | 598266  | 870664  | 18.60%  | 1.360% |
| 81  | 17.907 | 2562 | 2565 | 2570 | rVB  | 116775  | 141813  | 3.03%   | 0.222% |
| 82  | 18.295 | 2628 | 2631 | 2635 | rBV2 | 172186  | 232043  | 4.96%   | 0.362% |
| 83  | 18.595 | 2680 | 2682 | 2687 | rVB2 | 92250   | 96621   | 2.06%   | 0.151% |
| 84  | 19.024 | 2752 | 2755 | 2760 | rVB  | 424731  | 531611  | 11.36%  | 0.830% |
| 85  | 19.159 | 2774 | 2778 | 2782 | rBV5 | 140261  | 199430  | 4.26%   | 0.312% |
| 86  | 19.223 | 2786 | 2789 | 2794 | rVV  | 240714  | 285329  | 6.10%   | 0.446% |
| 87  | 19.458 | 2825 | 2829 | 2834 | rBV  | 522523  | 715208  | 15.28%  | 1.117% |
| 88  | 19.517 | 2834 | 2839 | 2844 | rBV  | 2147664 | 2731605 | 58.37%  | 4.267% |
| 89  | 19.799 | 2881 | 2887 | 2899 | rBV3 | 1318268 | 2719608 | 58.11%  | 4.248% |
| 90  | 20.328 | 2974 | 2977 | 2985 | rVB  | 1469116 | 1710634 | 36.55%  | 2.672% |
| 91  | 20.827 | 3058 | 3062 | 3066 | rVB  | 2238444 | 2492532 | 53.26%  | 3.893% |
| 92  | 21.339 | 3144 | 3149 | 3155 | rVB  | 2575277 | 3523792 | 75.30%  | 5.504% |
| 93  | 21.679 | 3202 | 3207 | 3212 | rVB  | 1725274 | 2814620 | 60.14%  | 4.396% |
| 94  | 21.885 | 3237 | 3242 | 3248 | rBV  | 2595262 | 3756497 | 80.27%  | 5.867% |
| 95  | 22.502 | 3342 | 3347 | 3357 | rVB  | 2718358 | 4350850 | 92.97%  | 6.796% |
| 96  | 23.207 | 3461 | 3467 | 3474 | rVB  | 2340467 | 4310023 | 92.10%  | 6.732% |
| 97  | 24.024 | 3599 | 3606 | 3620 | rVB  | 2071978 | 4679881 | 100.00% | 7.310% |
| 98  | 24.917 | 3753 | 3758 | 3764 | rBV2 | 639402  | 1491188 | 31.86%  | 2.329% |
| 99  | 24.987 | 3764 | 3770 | 3778 | rVB  | 1410015 | 3364367 | 71.89%  | 5.255% |
| 100 | 26.139 | 3958 | 3966 | 3976 | rVB  | 1166555 | 3481849 | 74.40%  | 5.438% |

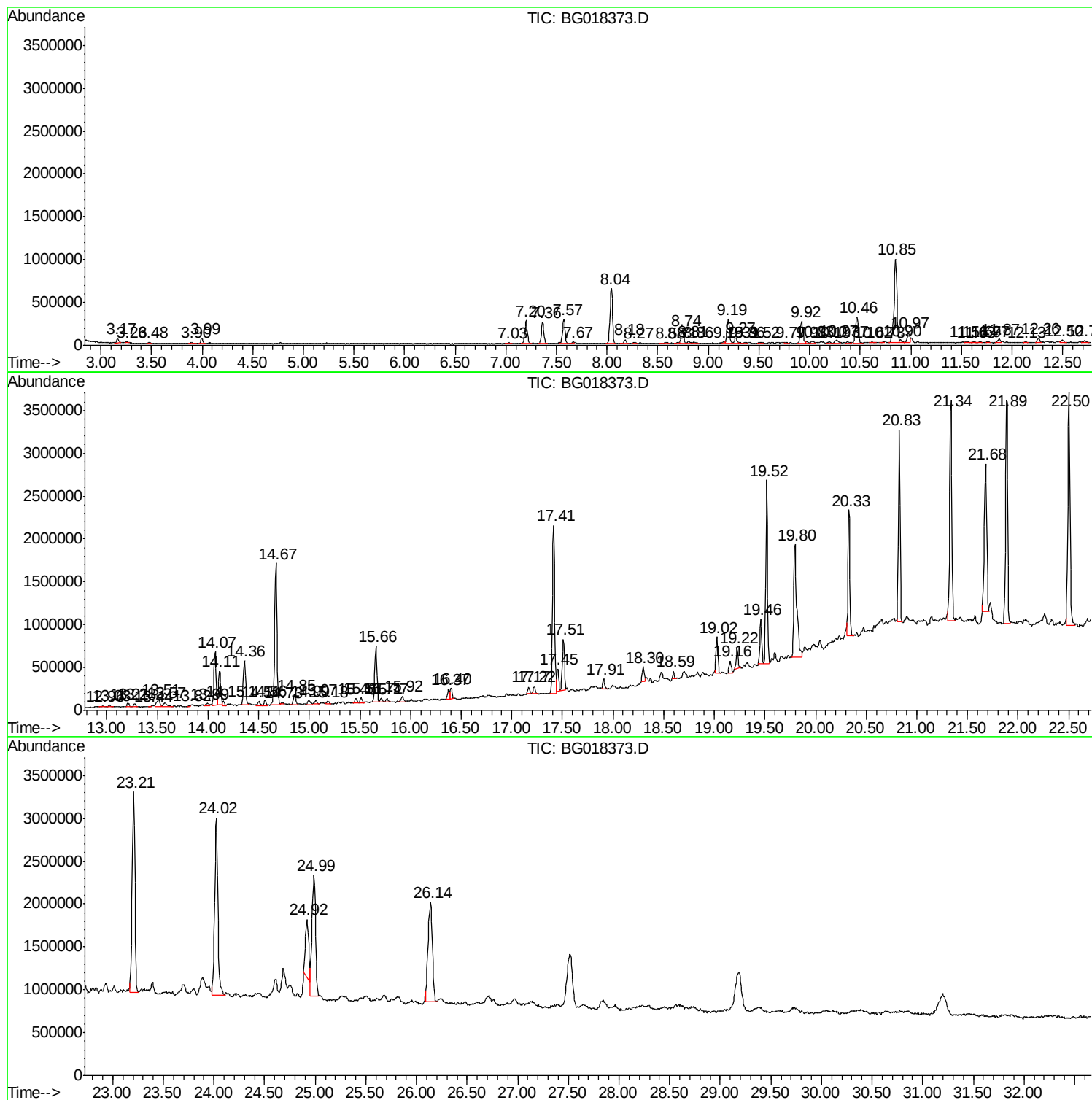
Sum of corrected areas: 64022312

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

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



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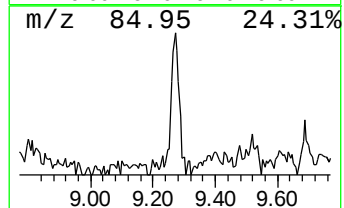
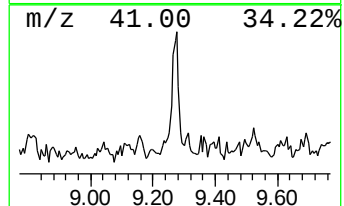
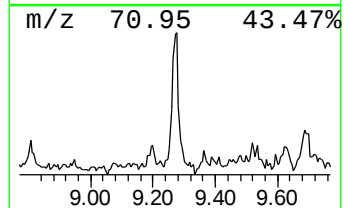
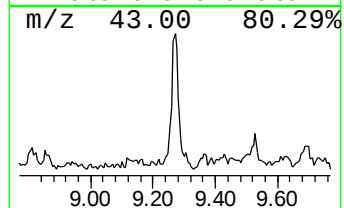
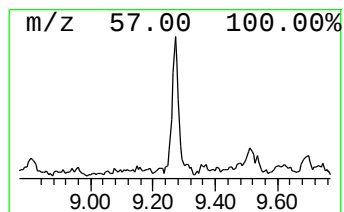
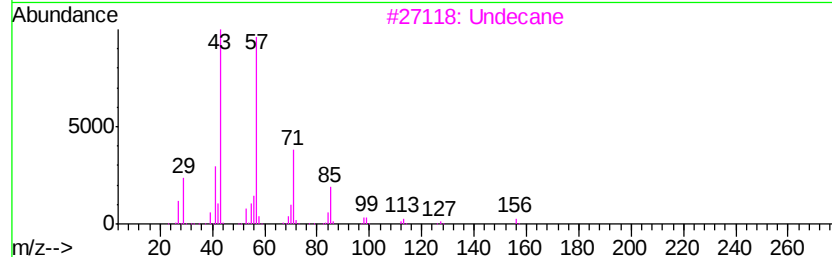
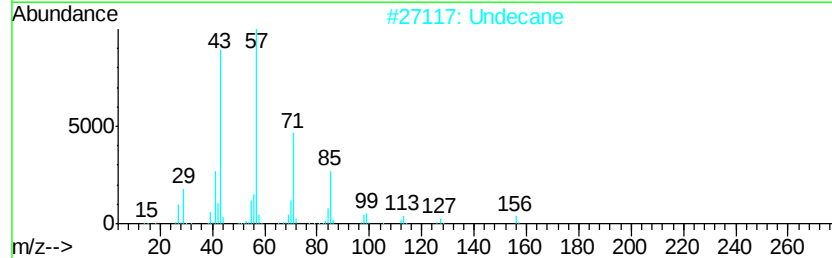
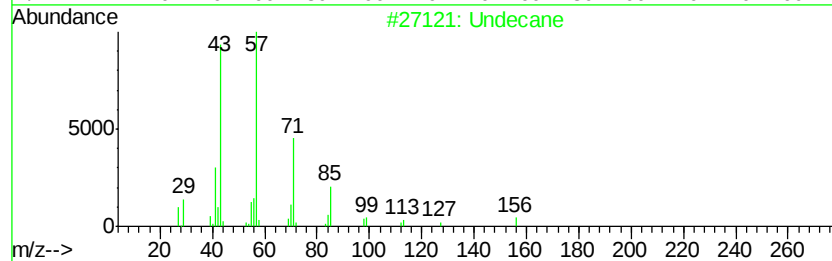
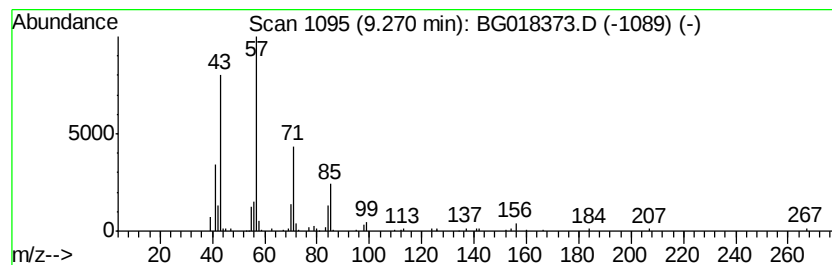
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 9.27 | 2.09 ng/ul | 116516 | 1,4-Dichlorobenzene-d4 | 8.04 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Undecane     | 156 | C11H24  | 001120-21-4 | 90   |
| 2    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 90   |
| 3    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 87   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 86   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 81   |



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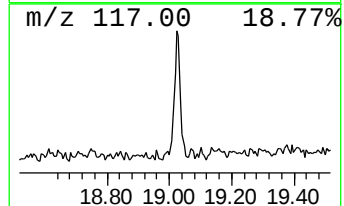
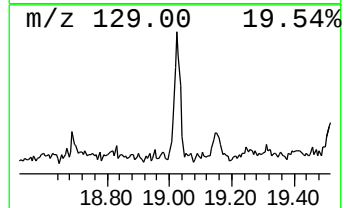
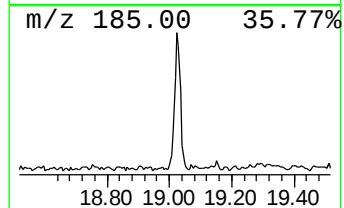
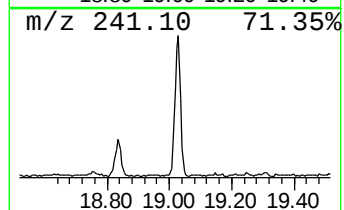
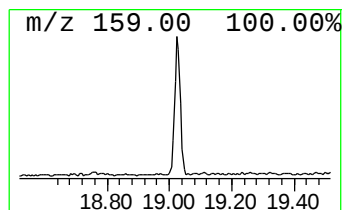
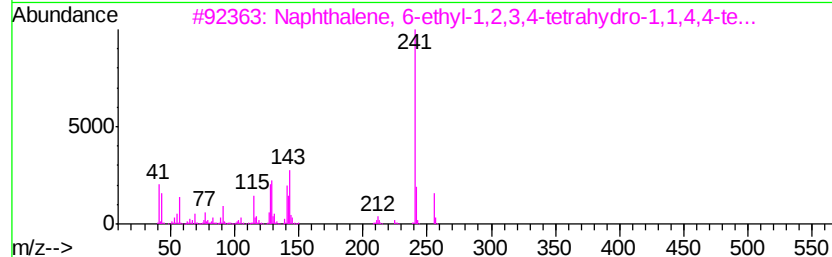
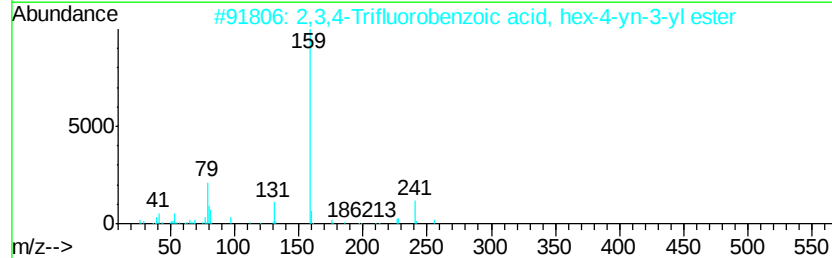
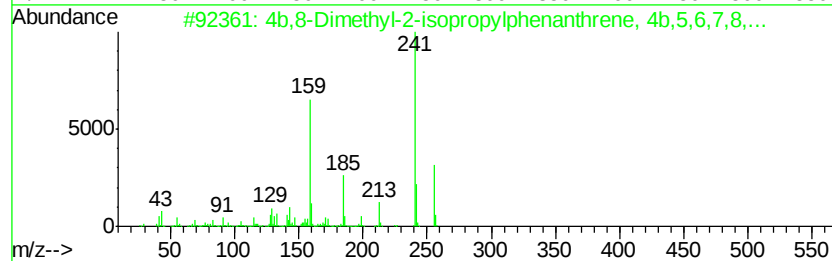
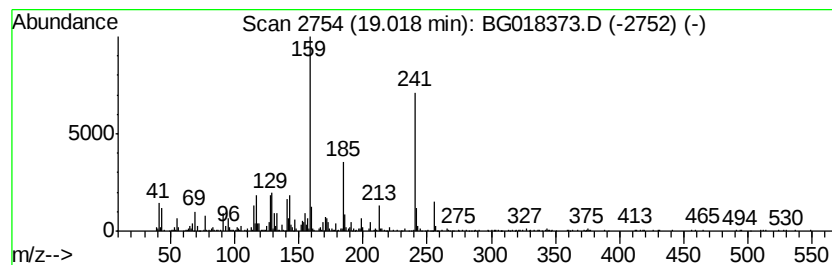
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\*\*\*\*\*  
Peak Number 2 4b,8-Dimethyl-2-isopropylph... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.02 | 3.55 ng/ul | 531611 | Phenanthrene-d10 | 17.41 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28     | 1000197-14-1 | 93   |
| 2    |    | 2,3,4-Trifluorobenzoic acid, hex... | 256 | C13H11F3O2 | 1000292-55-4 | 50   |
| 3    |    | Naphthalene, 6-ethyl-1,2,3,4-tet... | 256 | C19H28     | 301643-35-6  | 42   |
| 4    |    | Isoxazole, 5-methyl-4-phenyl-       | 159 | C10H9NO    | 023253-49-8  | 38   |
| 5    |    | 2(1H)-Quinolinone, hydrazone        | 159 | C9H9N3     | 015793-77-8  | 35   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

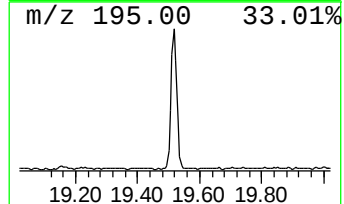
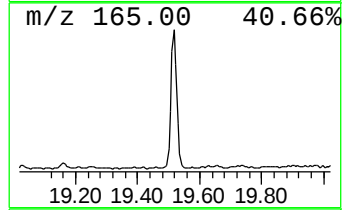
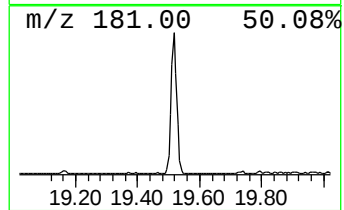
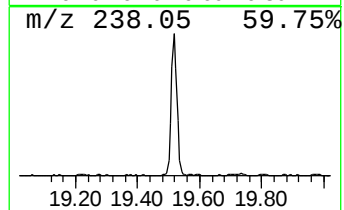
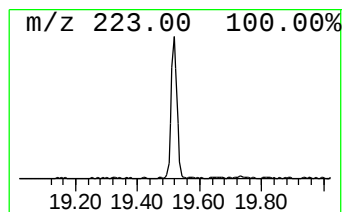
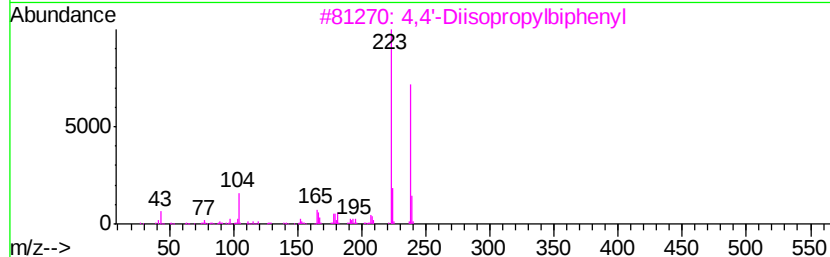
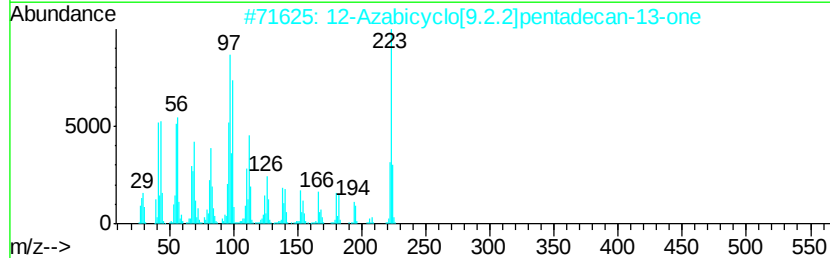
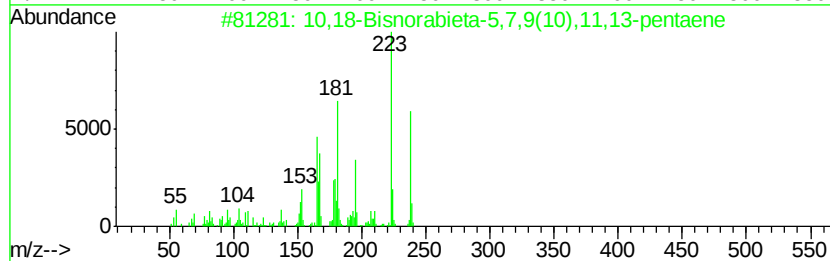
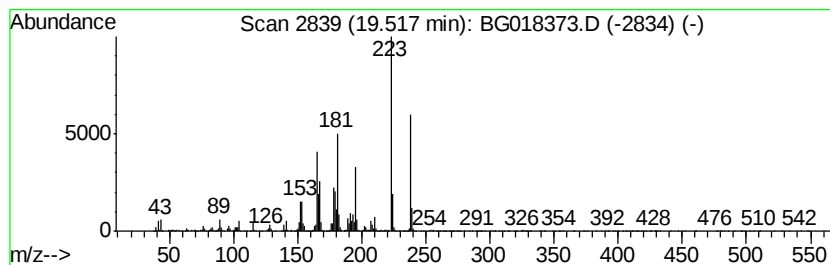
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.52 | 18.26 ng/ul | 2731610 | Phenanthrene-d10 | 17.41 |

| 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    |    | 12-Azabicyclo[9.2.2]pentadecan-1... | 223 | C14H25NO | 1000191-26-7 | 60   |
| 3    |    | 4,4'-Diisopropylbiphenyl            | 238 | C18H22   | 018970-30-4  | 55   |
| 4    |    | 3,4'-Diisopropylbiphenyl            | 238 | C18H22   | 061434-46-6  | 50   |
| 5    |    | 3-(N,N-Diethylamino)carbazole       | 238 | C16H18N2 | 054994-31-9  | 49   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

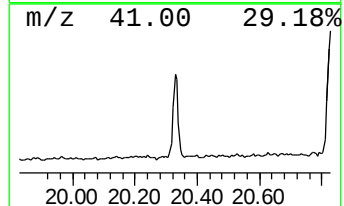
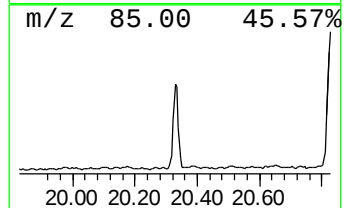
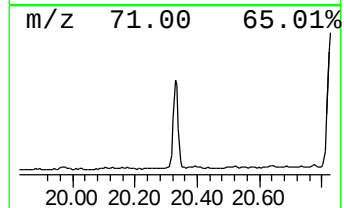
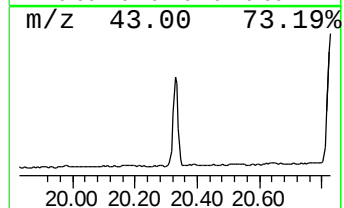
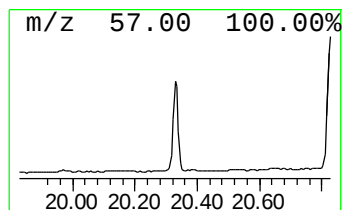
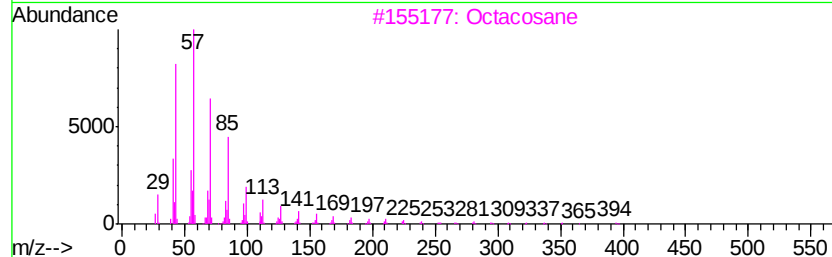
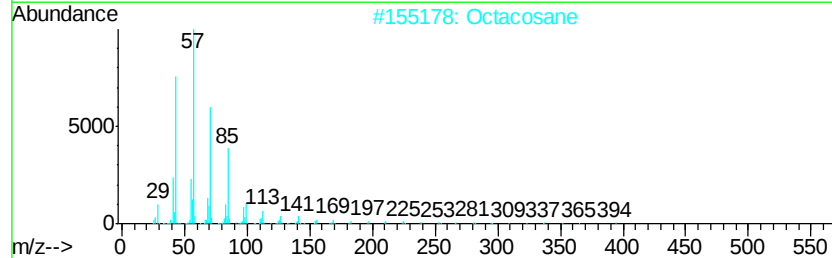
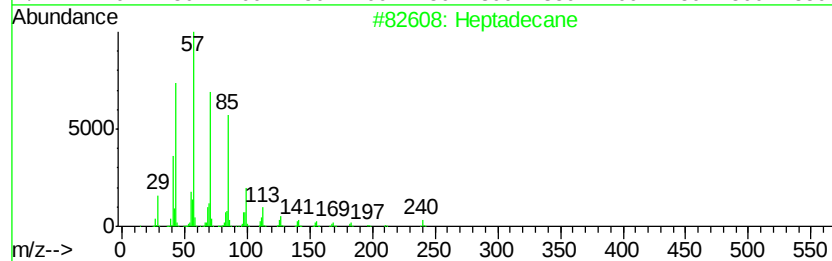
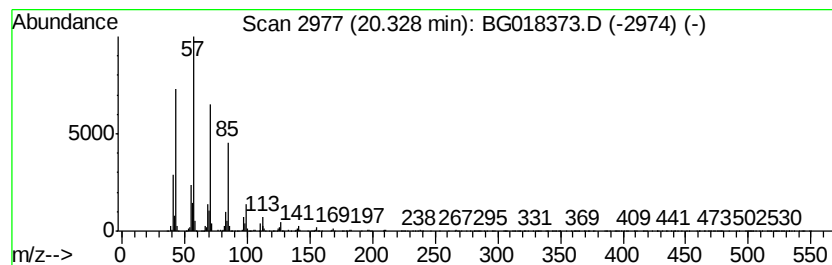
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.33 | 12.16 ng/ul | 1710630 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    | Octacosane                   | 394 | C28H58  | 000630-02-4 | 95   |
| 3    |    | Octacosane                   | 394 | C28H58  | 000630-02-4 | 94   |
| 4    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 93   |
| 5    |    | Heptacosane                  | 380 | C27H56  | 000593-49-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

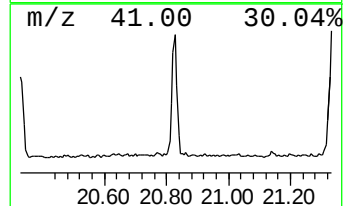
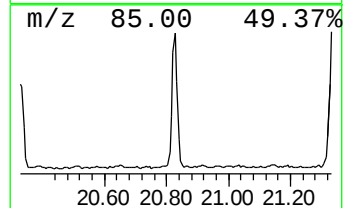
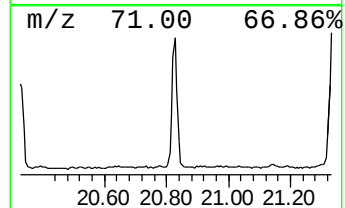
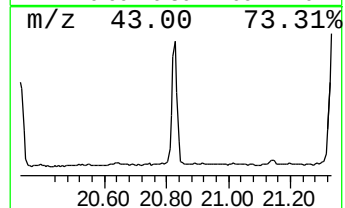
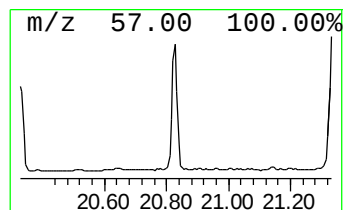
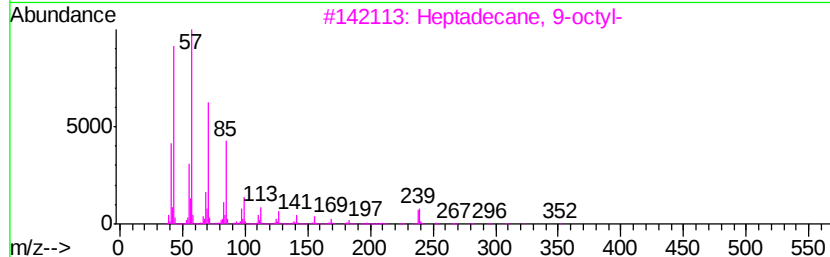
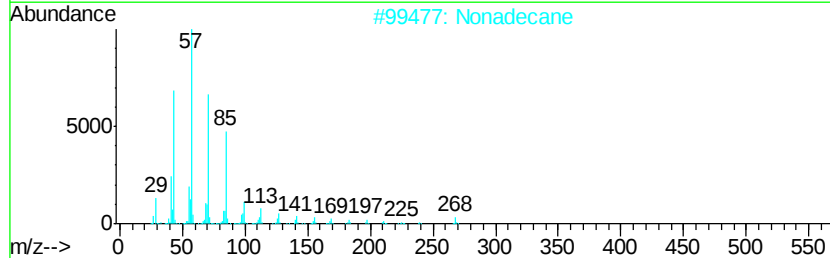
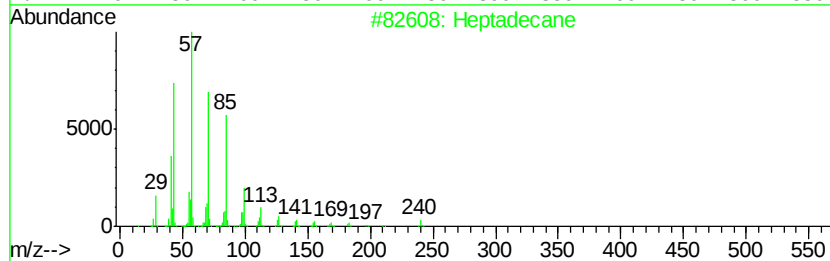
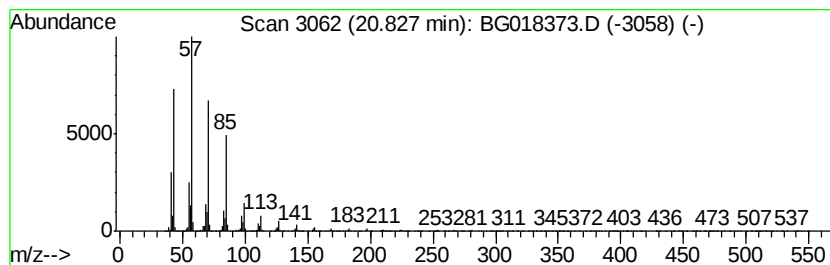
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.83 | 17.71 ng/ul | 2492530 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane           | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    | Nonadecane            | 268 | C19H40  | 000629-92-5 | 95   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 95   |
| 4    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 93   |
| 5    |    | Tetradecane, 4-ethyl- | 226 | C16H34  | 055045-14-2 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

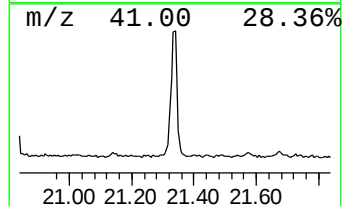
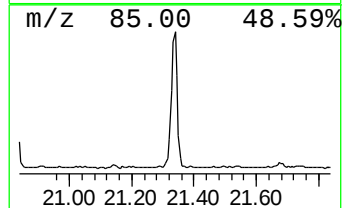
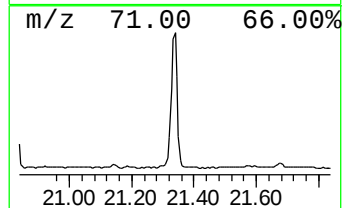
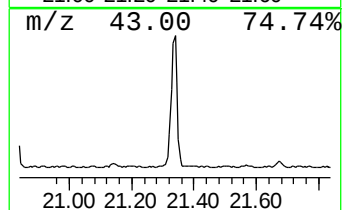
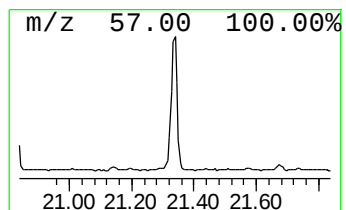
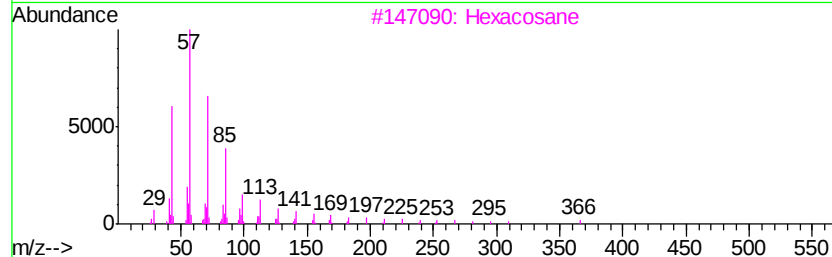
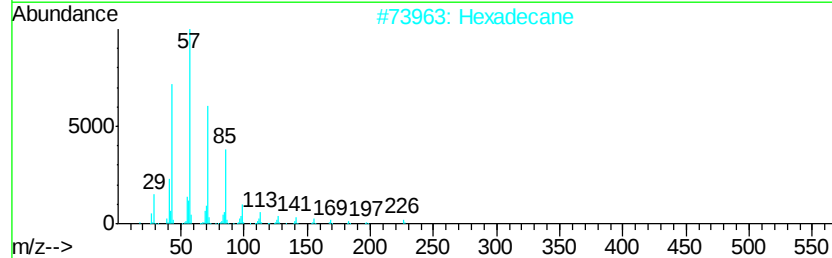
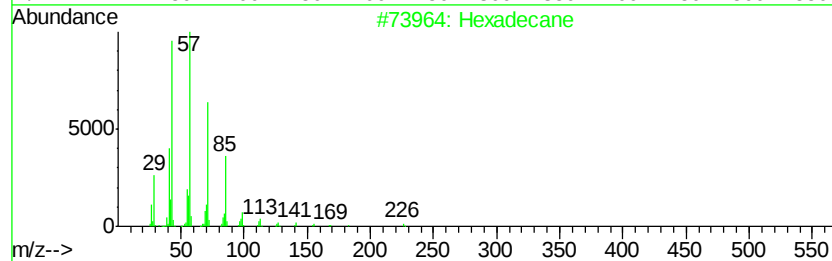
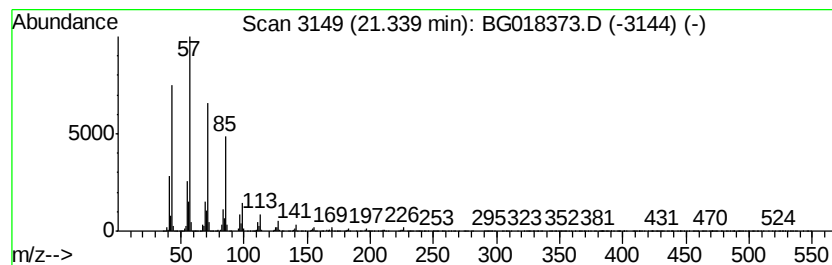
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 21.34 | 25.04 ng/ul | 3523790 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 95   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 95   |
| 3    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 95   |
| 4    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 94   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

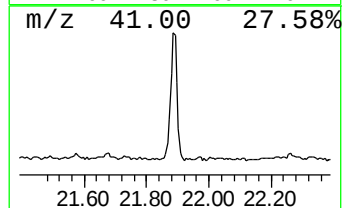
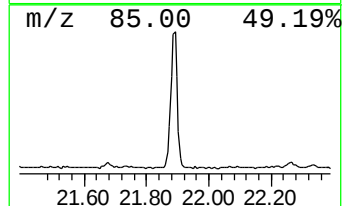
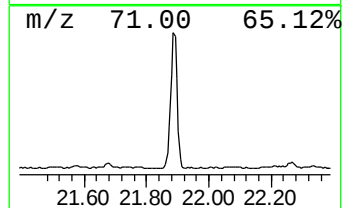
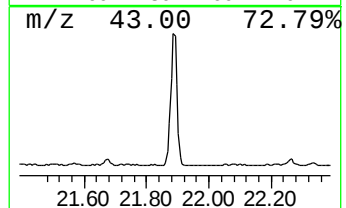
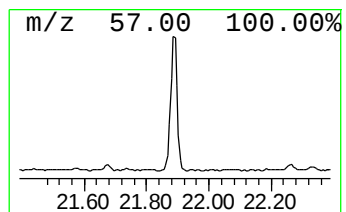
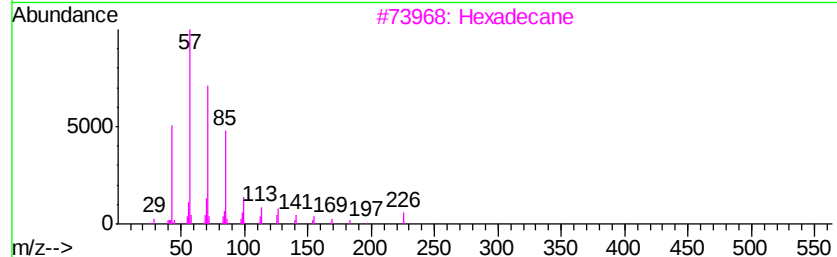
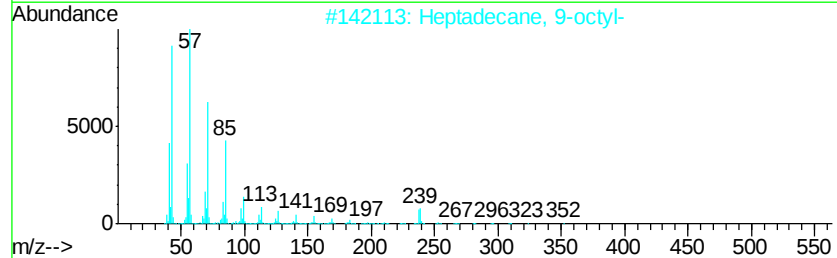
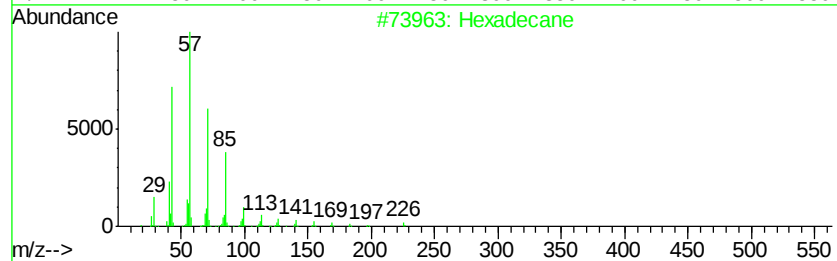
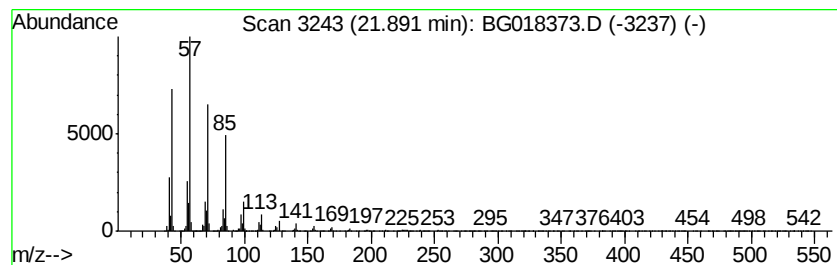
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 21.89 | 26.69 ng/ul | 3756500 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 95   |
| 2    |    | Heptadecane, 9-octyl-               | 352 | C25H52  | 007225-64-1 | 94   |
| 3    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 93   |
| 4    |    | Octacosane                          | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

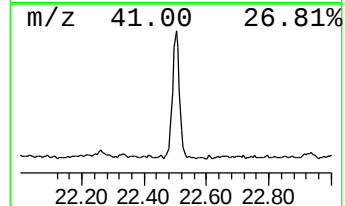
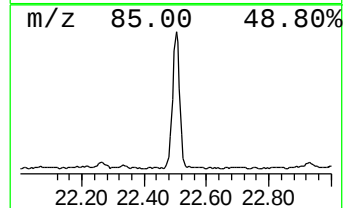
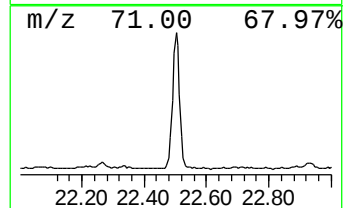
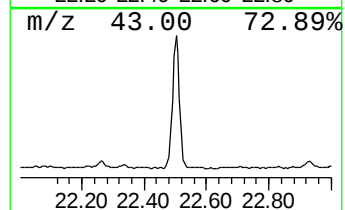
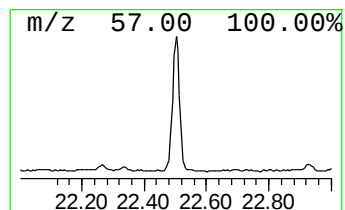
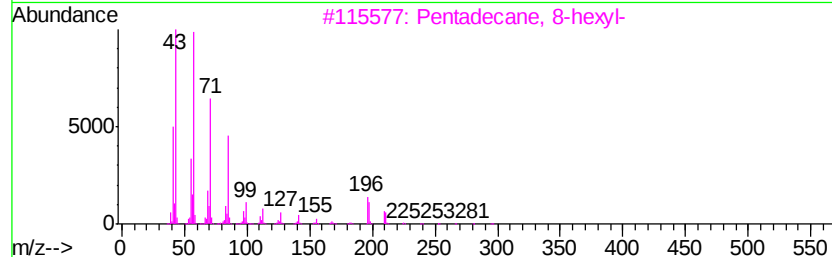
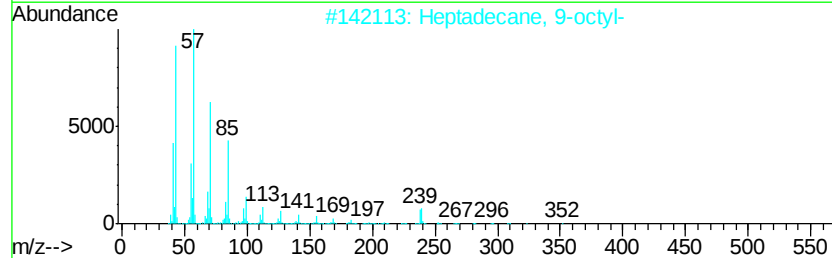
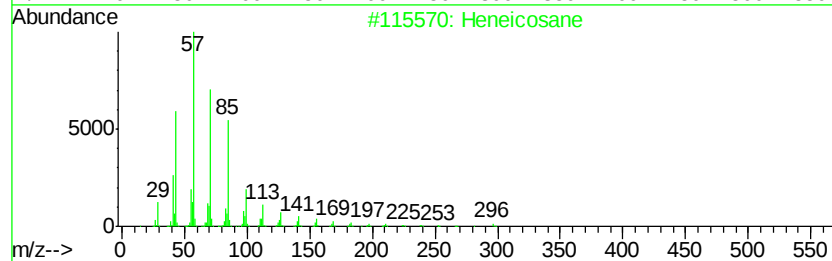
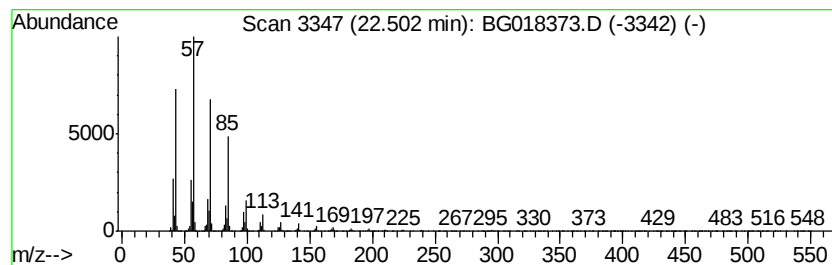
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.50 | 30.92 ng/ul | 4350850 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44   | 000629-94-7 | 97   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52   | 007225-64-1 | 95   |
| 3    |    | Pentadecane, 8-hexyl- | 296 | C21H44   | 013475-75-7 | 94   |
| 4    |    | Eicosane, 10-methyl-  | 296 | C21H44   | 054833-23-7 | 93   |
| 5    |    | 2-Bromo dodecane      | 248 | C12H25Br | 013187-99-0 | 93   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

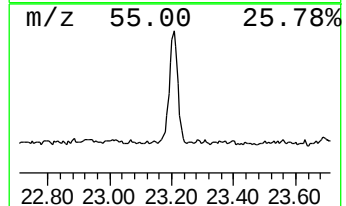
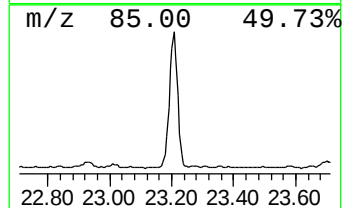
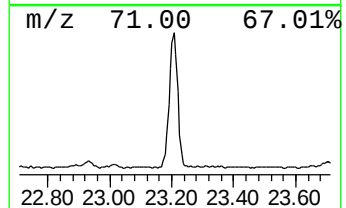
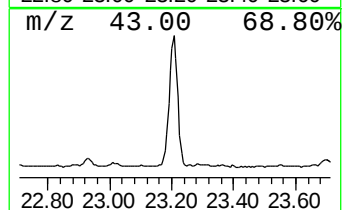
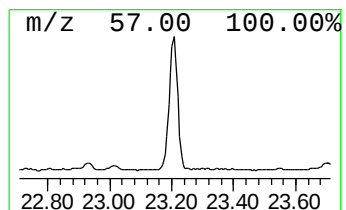
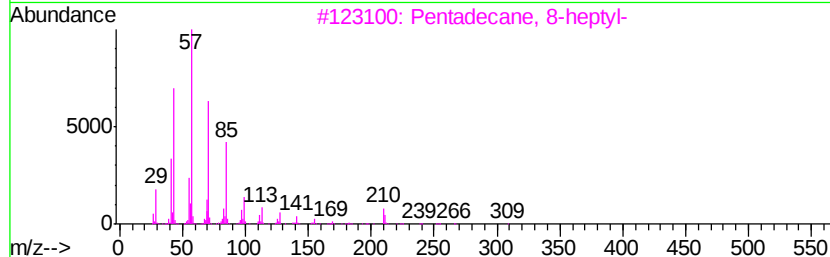
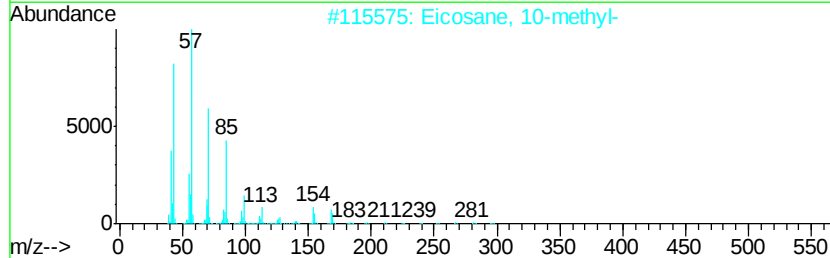
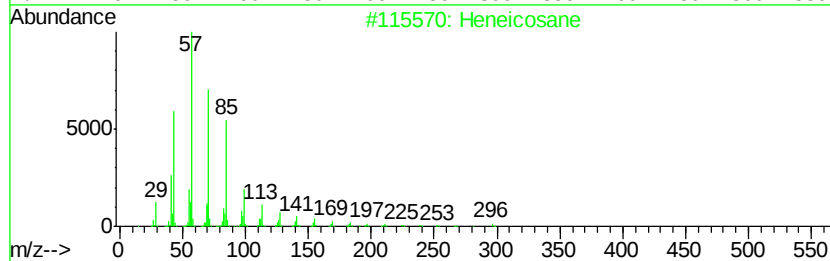
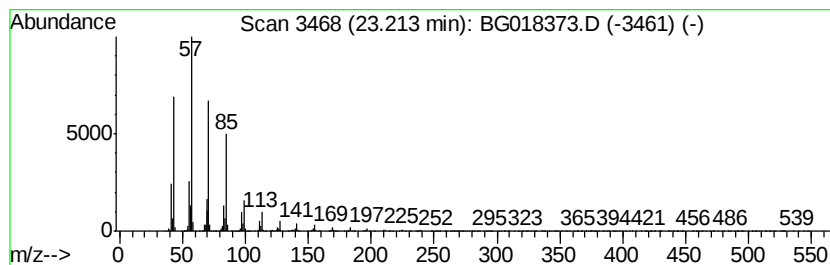
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 23.21 | 30.63 ng/ul | 4310020 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |    | Eicosane, 10-methyl-   | 296 | C21H44  | 054833-23-7 | 94   |
| 3    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

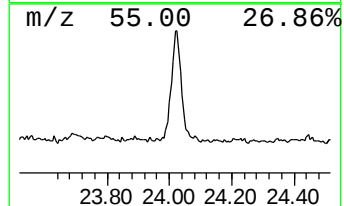
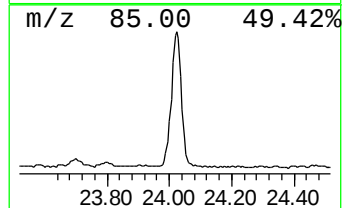
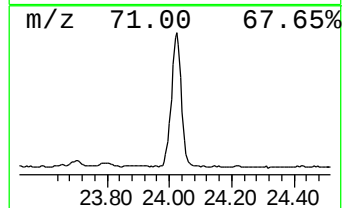
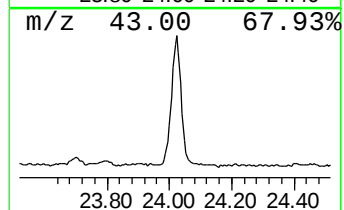
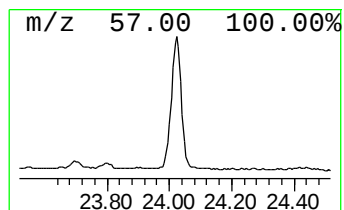
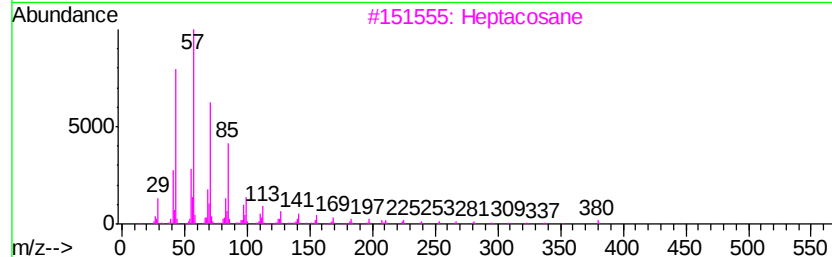
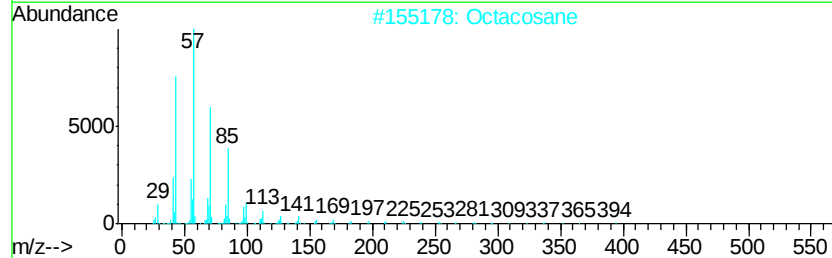
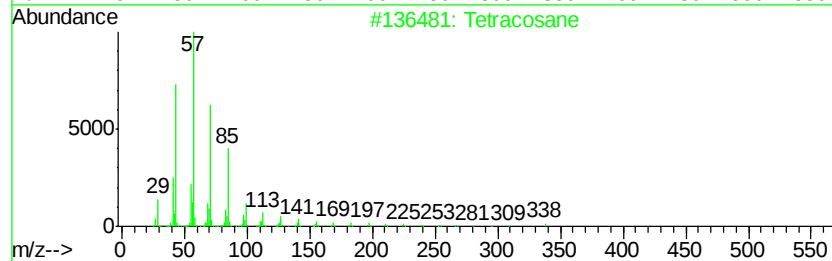
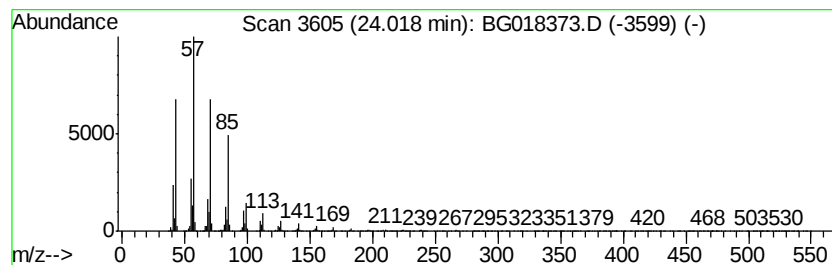
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.02 | 62.77 ng/ul | 4679880 | Perylene-d12     | 24.92 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane      | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heptacosane      | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 90   |
| 5    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

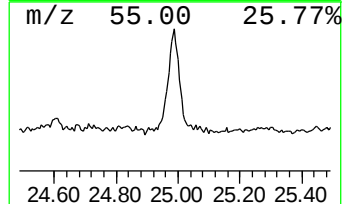
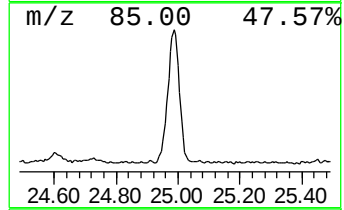
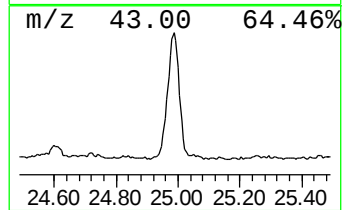
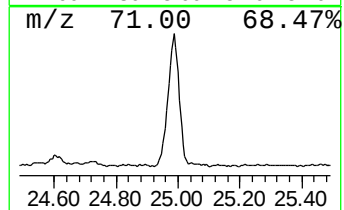
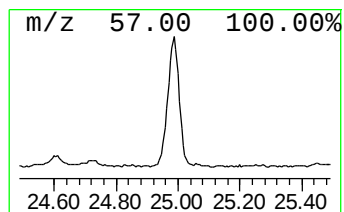
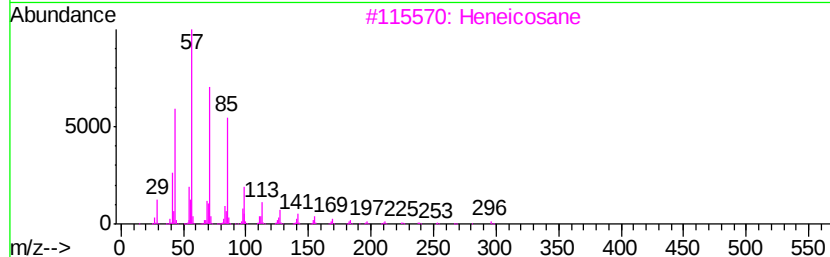
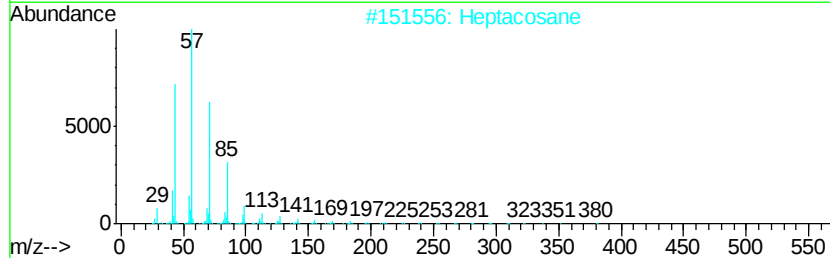
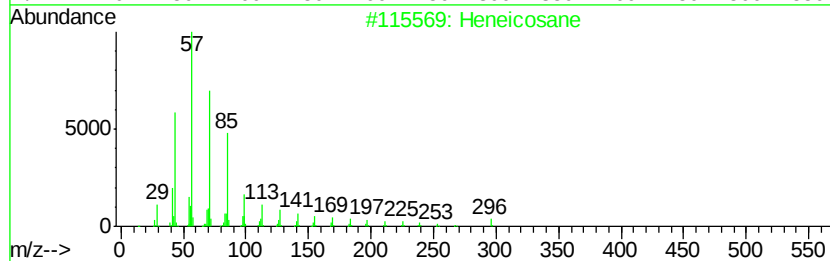
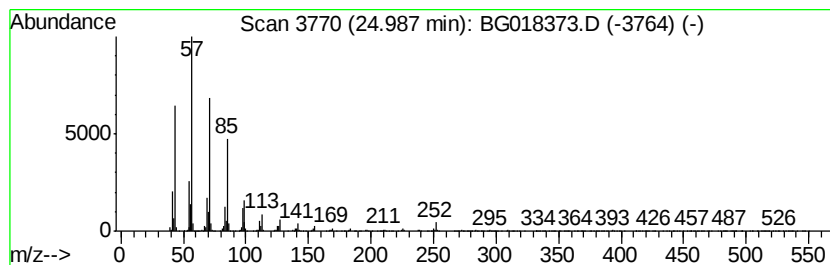
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.99 | 45.12 ng/ul | 3364370 | Perylene-d12     | 24.92 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    | Heptacosane            | 380 | C27H56  | 000593-49-7 | 93   |
| 3    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 87   |
| 5    |    | Octadecane             | 254 | C18H38  | 000593-45-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
Data File : BG018373.D  
Acq On : 11 Aug 2015 3:16  
Operator : UM/MA  
Sample : G3136-18  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

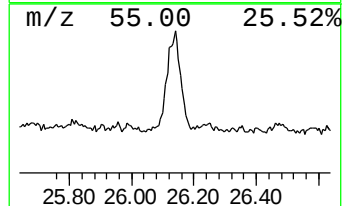
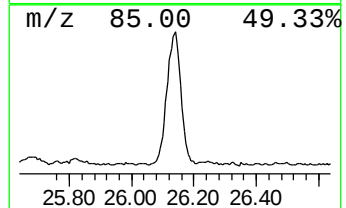
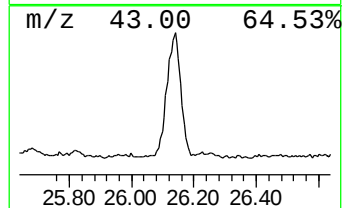
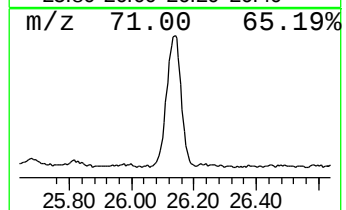
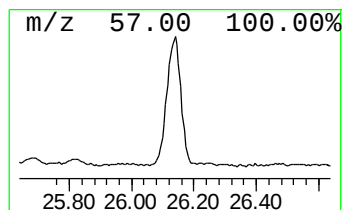
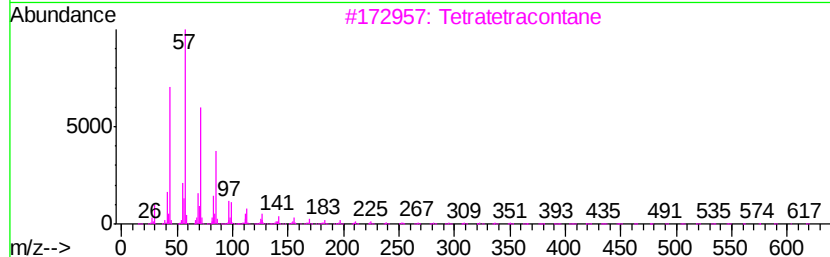
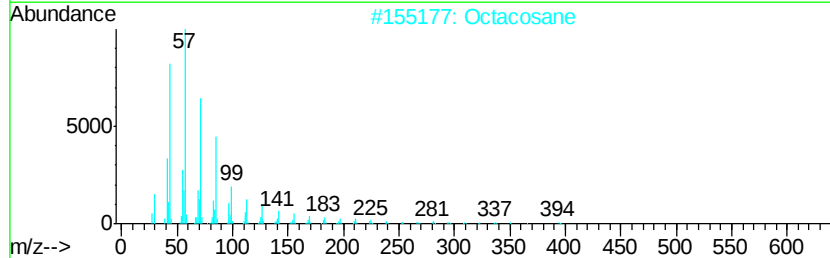
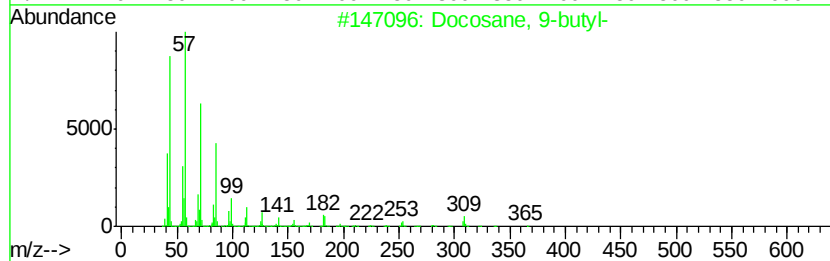
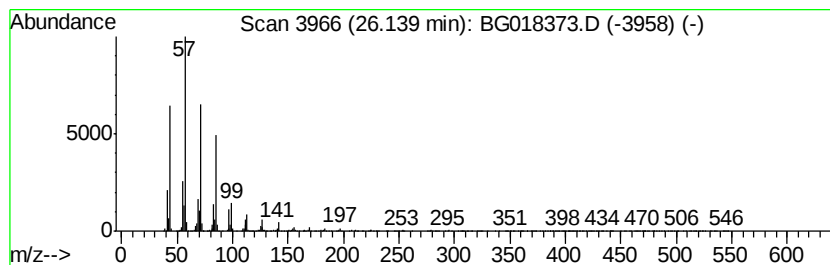
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 26.14 | 46.70 ng/ul | 3481850 | Perylene-d12     | 24.92 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane, 9-butyl-     | 366 | C26H54  | 055282-14-9 | 94   |
| 2    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081015\  
 Data File : BG018373.D  
 Acq On : 11 Aug 2015 3:16  
 Operator : UM/MA  
 Sample : G3136-18  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02D1

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.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 |
| (DEL) Alkane: Str... | 9.27  | 2.1     | ng/ul | 116516   | 1                     | 8.04  | 1114670 | 20.0 |
| 4b,8-Dimethyl-2-i... | 19.02 | 3.5     | ng/ul | 531611   | 4                     | 17.41 | 2991940 | 20.0 |
| 10,18-Bisnorabiet... | 19.52 | 18.3    | ng/ul | 2731610  | 4                     | 17.41 | 2991940 | 20.0 |
| (DEL) Alkane: Str... | 20.33 | 12.2    | ng/ul | 1710630  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 20.83 | 17.7    | ng/ul | 2492530  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 21.34 | 25.0    | ng/ul | 3523790  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 21.89 | 26.7    | ng/ul | 3756500  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 22.50 | 30.9    | ng/ul | 4350850  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 23.21 | 30.6    | ng/ul | 4310020  | 5                     | 21.68 | 2814620 | 20.0 |
| (DEL) Alkane: Str... | 24.02 | 62.8    | ng/ul | 4679880  | 6                     | 24.92 | 1491190 | 20.0 |
| (DEL) Alkane: Str... | 24.99 | 45.1    | ng/ul | 3364370  | 6                     | 24.92 | 1491190 | 20.0 |
| (DEL) Alkane: Str... | 26.14 | 46.7    | ng/ul | 3481850  | 6                     | 24.92 | 1491190 | 20.0 |