LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG070615.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.813 | 17 | 21 | 25 | rBV | 92030 | 140575 | 5.73% | 0.532% |
| 2 | 2.884 | 29 | 33 | 46 | rVB | 1931390 | 2452929 | 100.00% | 9.287% |
| 3 | 3.648 | 159 | 163 | 168 | rVV4 | 22367 | 34641 | 1.41% | 0.131% |
| 4 | 4.746 | 346 | 350 | 360 | rVB3 | 21186 | 41569 | 1.69% | 0.157% |
| 5 | 6.779 | 687 | 696 | 709 | rVV | 148403 | 280743 | 11.45% | 1.063% |
| 6 | 6.950 | 718 | 725 | 731 | rBV | 101121 | 160124 | 6.53% | 0.606% |
| 7 | 7.138 | 751 | 757 | 766 | rVB2 | 151830 | 244686 | 9.98% | 0.926% |
| 8 | 7.243 | 770 | 775 | 785 | rVB2 | 4558 | 13290 | 0.54% | 0.050% |
| 9 | 7.602 | 828 | 836 | 844 | rBV | 237154 | 392304 | 15.99% | 1.485% |
| 10 | 8.307 | 947 | 956 | 962 | rVV | 171999 | 292336 | 11.92% | 1.107% |
| 11 | 8.424 | 970 | 976 | 984 | rVV | 109298 | 191678 | 7.81% | 0.726% |
| 12 | 8.548 | 994 | 997 | 1002 | rVV5 | 7590 | 12467 | 0.51% | 0.047% |
| 13 | 8.753 | 1026 | 1032 | 1041 | rVB | 136167 | 219760 | 8.96% | 0.832% |
| 14 | 9.470 | 1148 | 1154 | 1161 | rVV2 | 111157 | 194505 | 7.93% | 0.736% |
| 15 | 9.641 | 1178 | 1183 | 1187 | rBV5 | 7117 | 14602 | 0.60% | 0.055% |
| 16 | 9.829 | 1211 | 1215 | 1221 | rVV4 | 11321 | 17826 | 0.73% | 0.067% |
| 17 | 10.005 | 1238 | 1245 | 1254 | rVB | 185654 | 307530 | 12.54% | 1.164% |
| 18 | 10.387 | 1301 | 1310 | 1316 | rBV | 377090 | 653314 | 26.63% | 2.473% |
| 19 | 10.434 | 1316 | 1318 | 1324 | rVV | 17554 | 21785 | 0.89% | 0.082% |
| 20 | 10.528 | 1327 | 1334 | 1347 | rVB | 100474 | 190700 | 7.77% | 0.722% |
| 21 | 10.927 | 1396 | 1402 | 1406 | rVV6 | 10908 | 21378 | 0.87% | 0.081% |
| 22 | 11.174 | 1439 | 1444 | 1448 | rVB | 10118 | 14527 | 0.59% | 0.055% |
| 23 | 12.055 | 1588 | 1594 | 1599 | rVB6 | 11496 | 18911 | 0.77% | 0.072% |
| 24 | 12.279 | 1628 | 1632 | 1637 | rBV4 | 10451 | 15128 | 0.62% | 0.057% |
| 25 | 12.860 | 1728 | 1731 | 1735 | rVB3 | 11043 | 17941 | 0.73% | 0.068% |
| 26 | 13.571 | 1847 | 1852 | 1858 | rVB4 | 14672 | 26122 | 1.06% | 0.099% |
| 27 | 13.671 | 1864 | 1869 | 1874 | rVV | 280364 | 394384 | 16.08% | 1.493% |
| 28 | 13.718 | 1874 | 1877 | 1882 | rVB | 96008 | 123909 | 5.05% | 0.469% |
| 29 | 13.812 | 1888 | 1893 | 1896 | rBV5 | 10497 | 16863 | 0.69% | 0.064% |
| 30 | 13.947 | 1907 | 1916 | 1929 | rBV | 366720 | 592010 | 24.13% | 2.241% |
| 31 | 14.176 | 1950 | 1955 | 1959 | rVB2 | 17786 | 23813 | 0.97% | 0.090% |
| 32 | 14.259 | 1959 | 1969 | 1976 | rBV2 | 612675 | 942891 | 38.44% | 3.570% |
| 33 | 14.323 | 1976 | 1980 | 1988 | rVB7 | 12652 | 23854 | 0.97% | 0.090% |
| 34 | 14.459 | 1997 | 2003 | 2016 | rBV | 109232 | 193207 | 7.88% | 0.731% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG070615.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.623 | 2025 | 2031 | 2033 | rBV7 | 10836 | 17631 | 0.72% | 0.067% |
| 36 | 14.658 | 2033 | 2037 | 2045 | rVB7 | 15988 | 38274 | 1.56% | 0.145% |
| 37 | 14.793 | 2057 | 2060 | 2065 | rBV6 | 9014 | 14440 | 0.59% | 0.055% |
| 38 | 14.882 | 2071 | 2075 | 2080 | rVV7 | 10260 | 18087 | 0.74% | 0.068% |
| 39 | 15.046 | 2100 | 2103 | 2107 | rVV5 | 9369 | 15095 | 0.62% | 0.057% |
| 40 | 15.134 | 2113 | 2118 | 2122 | rVV3 | 29572 | 38477 | 1.57% | 0.146% |
| 41 | 15.252 | 2132 | 2138 | 2144 | rVV | 457575 | 647667 | 26.40% | 2.452% |
| 42 | 15.310 | 2144 | 2148 | 2154 | rVV4 | 28399 | 45675 | 1.86% | 0.173% |
| 43 | 15.375 | 2154 | 2159 | 2166 | rVB2 | 59955 | 84911 | 3.46% | 0.321% |
| 44 | 15.534 | 2182 | 2186 | 2191 | rVB6 | 22326 | 38404 | 1.57% | 0.145% |
| 45 | 15.757 | 2220 | 2224 | 2226 | rBV5 | 13627 | 20279 | 0.83% | 0.077% |
| 46 | 15.998 | 2261 | 2265 | 2267 | rVV3 | 43035 | 65229 | 2.66% | 0.247% |
| 47 | 16.021 | 2267 | 2269 | 2274 | rVB | 39085 | 44392 | 1.81% | 0.168% |
| 48 | 16.521 | 2350 | 2354 | 2358 | rBV | 67507 | 85925 | 3.50% | 0.325% |
| 49 | 16.662 | 2374 | 2378 | 2382 | rVB2 | 27640 | 37854 | 1.54% | 0.143% |
| 50 | 16.738 | 2387 | 2391 | 2394 | rBV5 | 12892 | 18580 | 0.76% | 0.070% |
| 51 | 16.791 | 2396 | 2400 | 2403 | rVV4 | 32937 | 46524 | 1.90% | 0.176% |
| 52 | 16.832 | 2403 | 2407 | 2412 | rVB3 | 40802 | 71579 | 2.92% | 0.271% |
| 53 | 17.008 | 2431 | 2437 | 2441 | rBV2 | 730072 | 1051971 | 42.89% | 3.983% |
| 54 | 17.050 | 2441 | 2444 | 2449 | rVB | 407413 | 533761 | 21.76% | 2.021% |
| 55 | 17.108 | 2449 | 2454 | 2458 | rBV | 465640 | 646001 | 26.34% | 2.446% |
| 56 | 17.384 | 2498 | 2501 | 2503 | rBV4 | 13864 | 14098 | 0.57% | 0.053% |
| 57 | 17.420 | 2503 | 2507 | 2510 | rVV2 | 23327 | 29722 | 1.21% | 0.113% |
| 58 | 17.531 | 2522 | 2526 | 2531 | rVB6 | 41609 | 61663 | 2.51% | 0.233% |
| 59 | 17.590 | 2533 | 2536 | 2540 | rVV3 | 23276 | 30120 | 1.23% | 0.114% |
| 60 | 17.790 | 2567 | 2570 | 2571 | rBV2 | 11806 | 14463 | 0.59% | 0.055% |
| 61 | 17.890 | 2583 | 2587 | 2590 | rBV | 68449 | 96289 | 3.93% | 0.365% |
| 62 | 17.937 | 2590 | 2595 | 2600 | rVB | 103796 | 163807 | 6.68% | 0.620% |
| 63 | 18.013 | 2605 | 2608 | 2613 | rVB | 30138 | 35792 | 1.46% | 0.136% |
| 64 | 18.078 | 2614 | 2619 | 2623 | rVV3 | 106395 | 186491 | 7.60% | 0.706% |
| 65 | 18.119 | 2624 | 2626 | 2630 | rVB | 61442 | 65554 | 2.67% | 0.248% |
| 66 | 18.184 | 2635 | 2637 | 2641 | rBV5 | 10170 | 17111 | 0.70% | 0.065% |
| 67 | 18.225 | 2641 | 2644 | 2651 | rVV9 | 17904 | 31917 | 1.30% | 0.121% |
| 68 | 18.395 | 2669 | 2673 | 2676 | rBV | 59321 | 74523 | 3.04% | 0.282% |
| 69 | 18.430 | 2676 | 2679 | 2685 | rVB6 | 51217 | 82742 | 3.37% | 0.313% |
| 70 | 18.495 | 2686 | 2690 | 2696 | rVV | 39658 | 58516 | 2.39% | 0.222% |
| 71 | 18.724 | 2726 | 2729 | 2734 | rVB3 | 33496 | 47537 | 1.94% | 0.180% |

LSC Area Percent Report

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Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG070615.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 18.812 | 2740 | 2744 | 2749 | rBV | 70573 | 121078 | 4.94% | 0.458% |
| 73 | 18.865 | 2750 | 2753 | 2758 | rVV6 | 34731 | 58248 | 2.37% | 0.221% |
| 74 | 18.953 | 2764 | 2768 | 2775 | rBV3 | 64856 | 121181 | 4.94% | 0.459% |
| 75 | 19.077 | 2784 | 2789 | 2795 | rVB | 762340 | 1027958 | 41.91% | 3.892% |
| 76 | 19.412 | 2841 | 2846 | 2849 | rBV2 | 599853 | 926972 | 37.79% | 3.509% |
| 77 | 19.441 | 2849 | 2851 | 2861 | rVB | 872229 | 1061927 | 43.29% | 4.020% |
| 78 | 19.623 | 2879 | 2882 | 2886 | rBV2 | 38062 | 59212 | 2.41% | 0.224% |
| 79 | 19.923 | 2927 | 2933 | 2934 | rBV6 | 55301 | 107839 | 4.40% | 0.408% |
| 80 | 20.040 | 2951 | 2953 | 2958 | rVB3 | 62817 | 67798 | 2.76% | 0.257% |
| 81 | 20.099 | 2959 | 2963 | 2967 | rVV2 | 128295 | 177089 | 7.22% | 0.670% |
| 82 | 20.240 | 2983 | 2987 | 2991 | rBV2 | 120253 | 153868 | 6.27% | 0.583% |
| 83 | 20.287 | 2992 | 2995 | 2999 | rVV | 105803 | 139697 | 5.70% | 0.529% |
| 84 | 20.322 | 2999 | 3001 | 3009 | rVB6 | 62250 | 91719 | 3.74% | 0.347% |
| 85 | 20.686 | 3060 | 3063 | 3069 | rVB | 132850 | 197278 | 8.04% | 0.747% |
| 86 | 20.781 | 3076 | 3079 | 3084 | rVB | 89012 | 114716 | 4.68% | 0.434% |
| 87 | 20.833 | 3085 | 3088 | 3091 | rBV2 | 87936 | 128810 | 5.25% | 0.488% |
| 88 | 20.945 | 3102 | 3107 | 3111 | rBV3 | 139776 | 251475 | 10.25% | 0.952% |
| 89 | 21.204 | 3145 | 3151 | 3156 | rBV2 | 1089989 | 2135764 | 87.07% | 8.086% |
| 90 | 21.245 | 3156 | 3158 | 3165 | rVB | 521739 | 641135 | 26.14% | 2.427% |
| 91 | 21.321 | 3168 | 3171 | 3174 | rBV | 117649 | 145117 | 5.92% | 0.549% |
| 92 | 21.697 | 3233 | 3235 | 3238 | rBV4 | 66111 | 90384 | 3.68% | 0.342% |
| 93 | 21.756 | 3239 | 3245 | 3249 | rVB4 | 119972 | 263174 | 10.73% | 0.996% |
| 94 | 22.267 | 3329 | 3332 | 3340 | rVB6 | 170574 | 304830 | 12.43% | 1.154% |
| 95 | 22.766 | 3412 | 3417 | 3422 | rBV | 468054 | 1062784 | 43.33% | 4.024% |
| 96 | 23.242 | 3493 | 3498 | 3502 | rBV | 351271 | 630878 | 25.72% | 2.388% |
| 97 | 23.295 | 3502 | 3507 | 3510 | rVV2 | 335393 | 633792 | 25.84% | 2.400% |
| 98 | 23.336 | 3510 | 3514 | 3523 | rVB | 560880 | 1047710 | 42.71% | 3.967% |
| 99 | 23.436 | 3525 | 3531 | 3536 | rBV | 556686 | 1045838 | 42.64% | 3.960% |
| 100 | 25.692 | 3908 | 3915 | 3925 | rVB3 | 247182 | 711590 | 29.01% | 2.694% |

Sum of corrected areas: 26413264

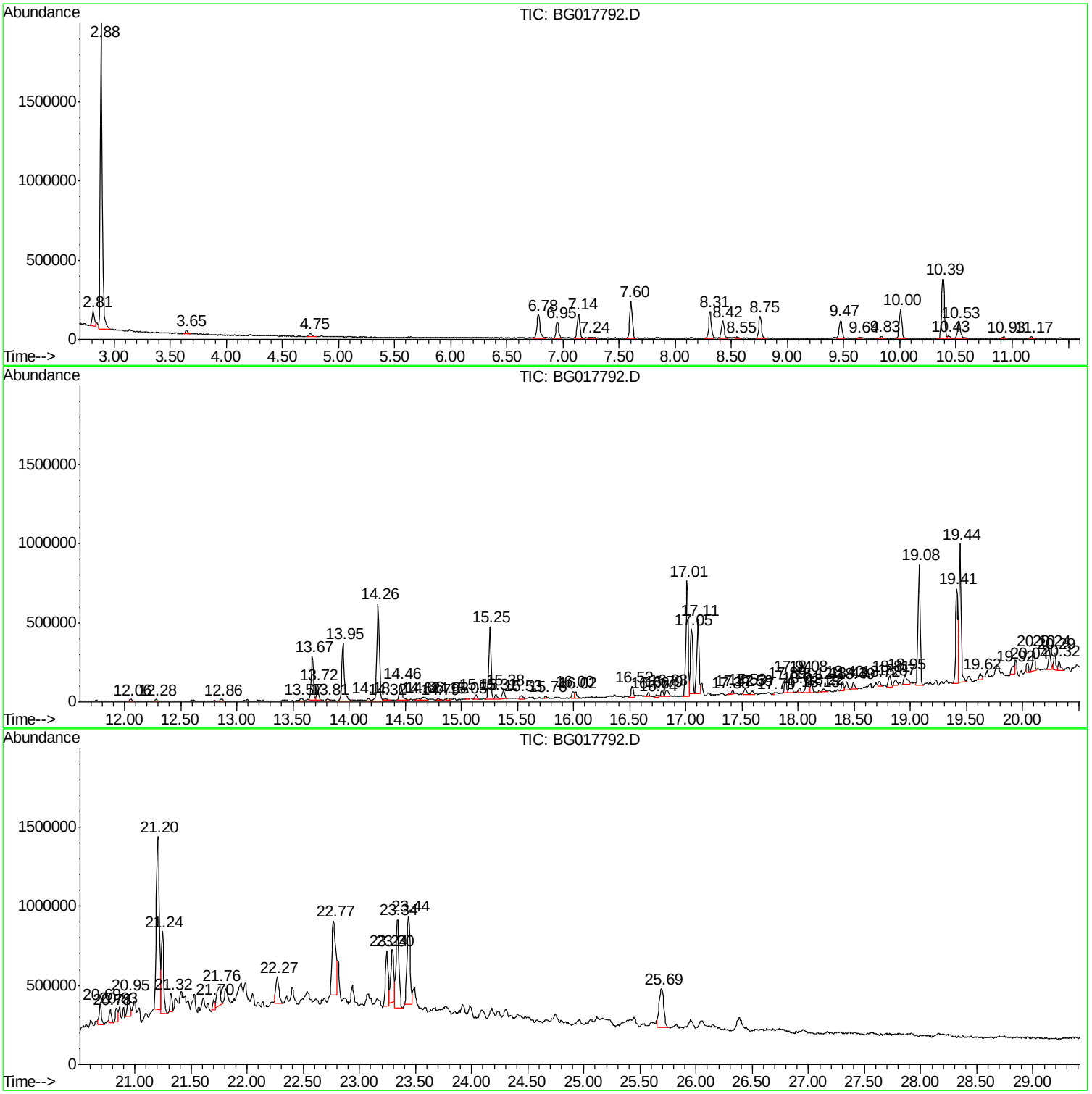
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

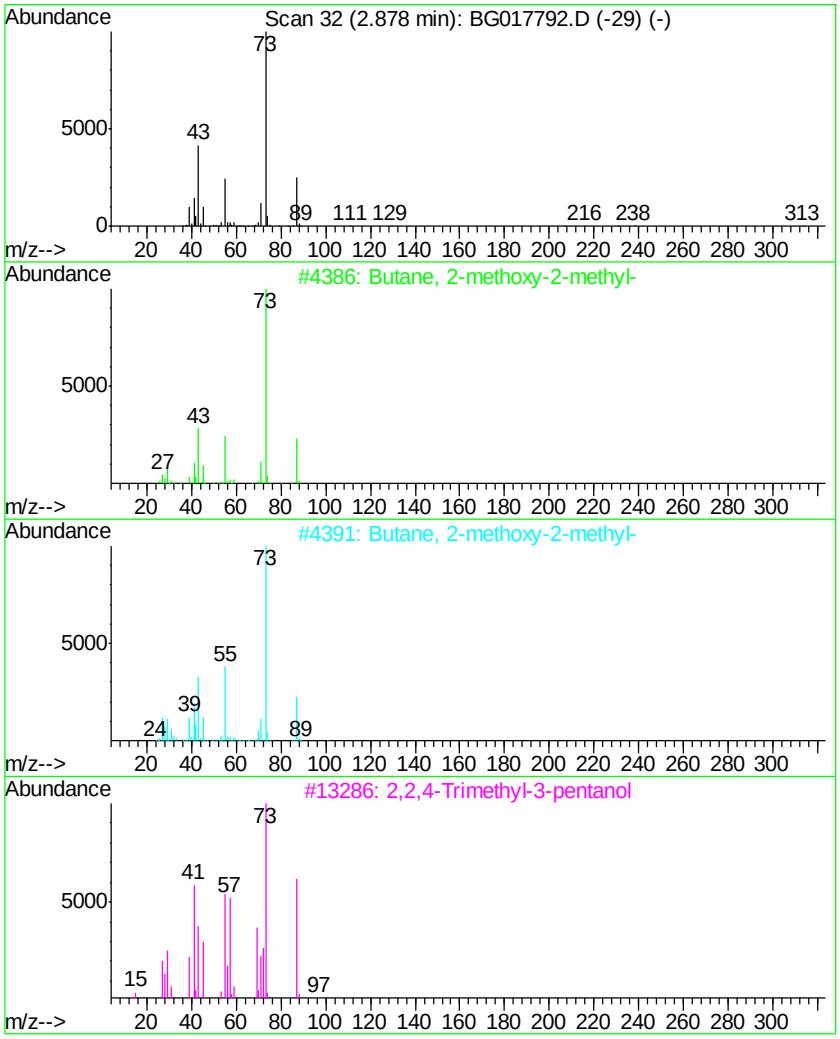
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

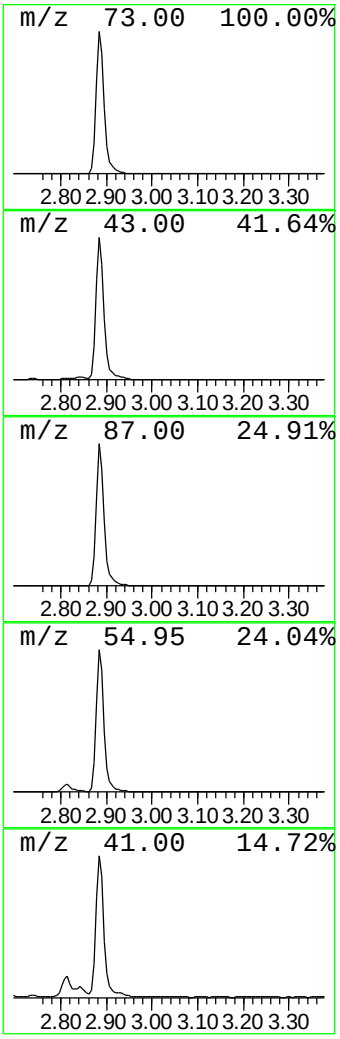
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.88 | 125.05 ng/ul | 2452930 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 50 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 35 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

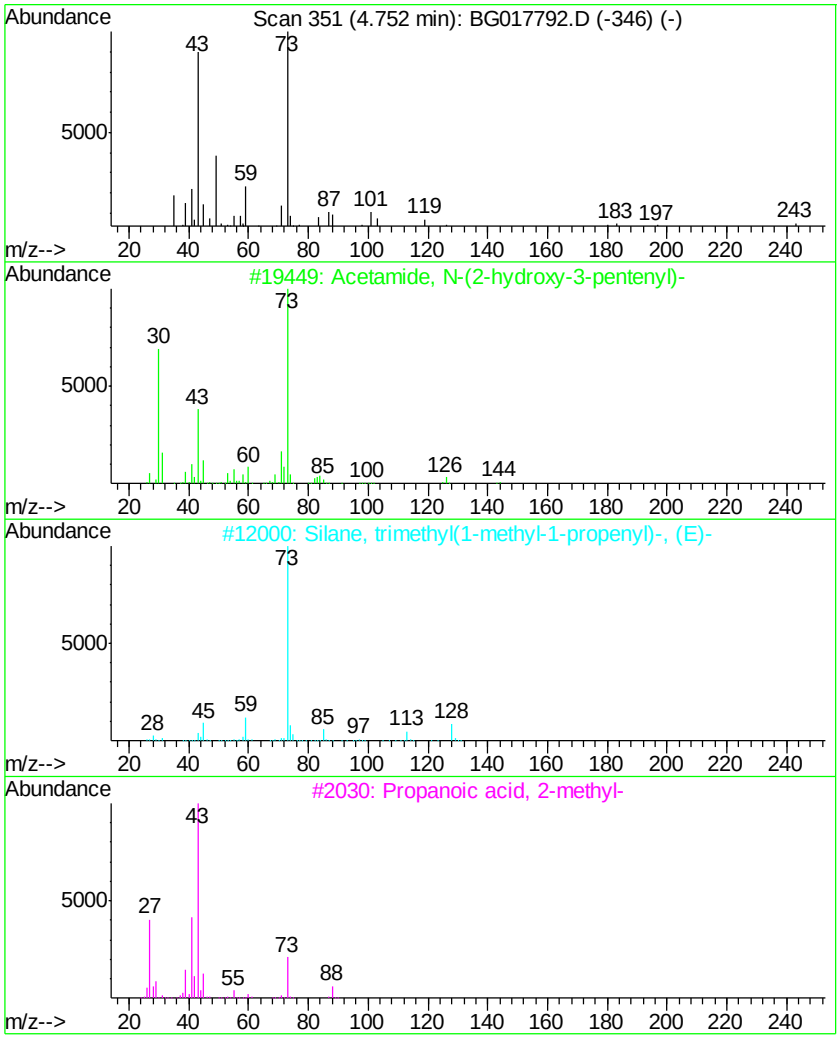
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

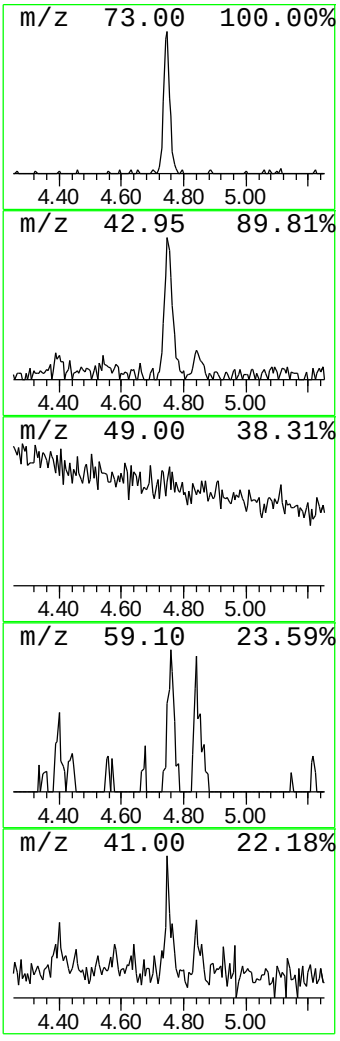
**********

Peak Number 3 unknown-01 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.75 | 2.12 ng/ul | 41569 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(2-hydroxy-3-penten... | 143 | C7H13NO2 | 093393-95-4 | 38 |
| 2 | Silane, trimethyl(1-methyl-1-pro... | 128 | C7H16Si | 010111-13-4 | 25 |
| 3 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 9 |
| 4 | 1,4-Butanediamine | 88 | C4H12N2 | 000110-60-1 | 9 |
| 5 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

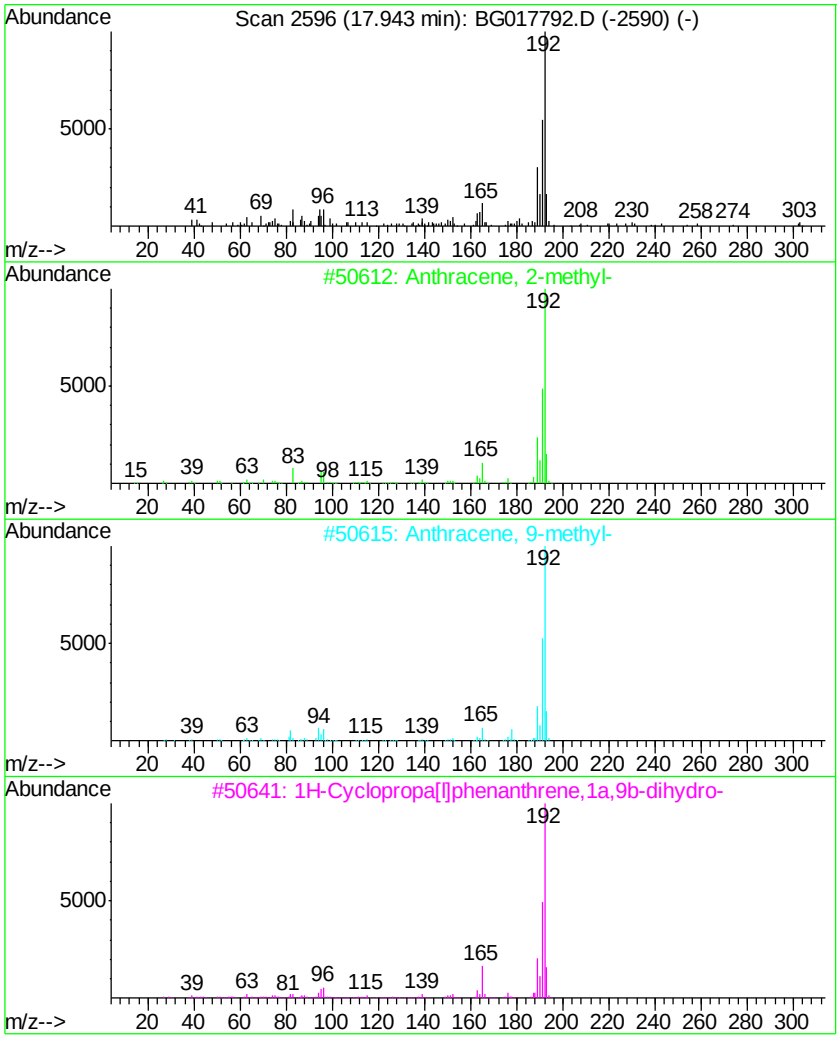
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

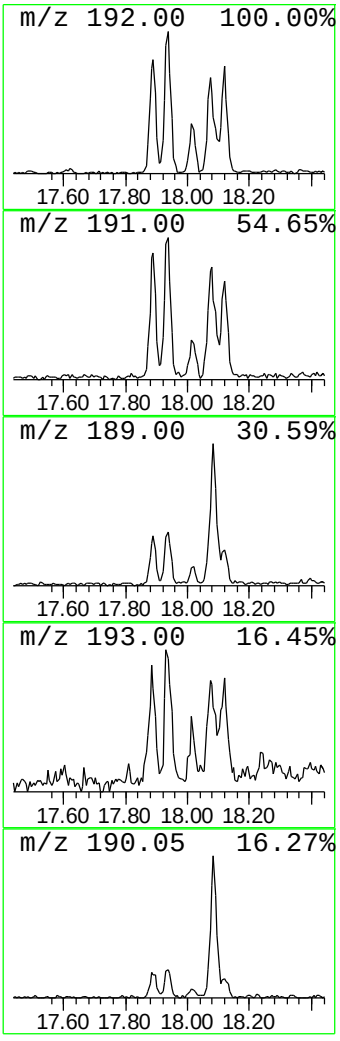
**********

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.94 | 3.11 ng/ul | 163807 | Phenanthrene-d10 | 17.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

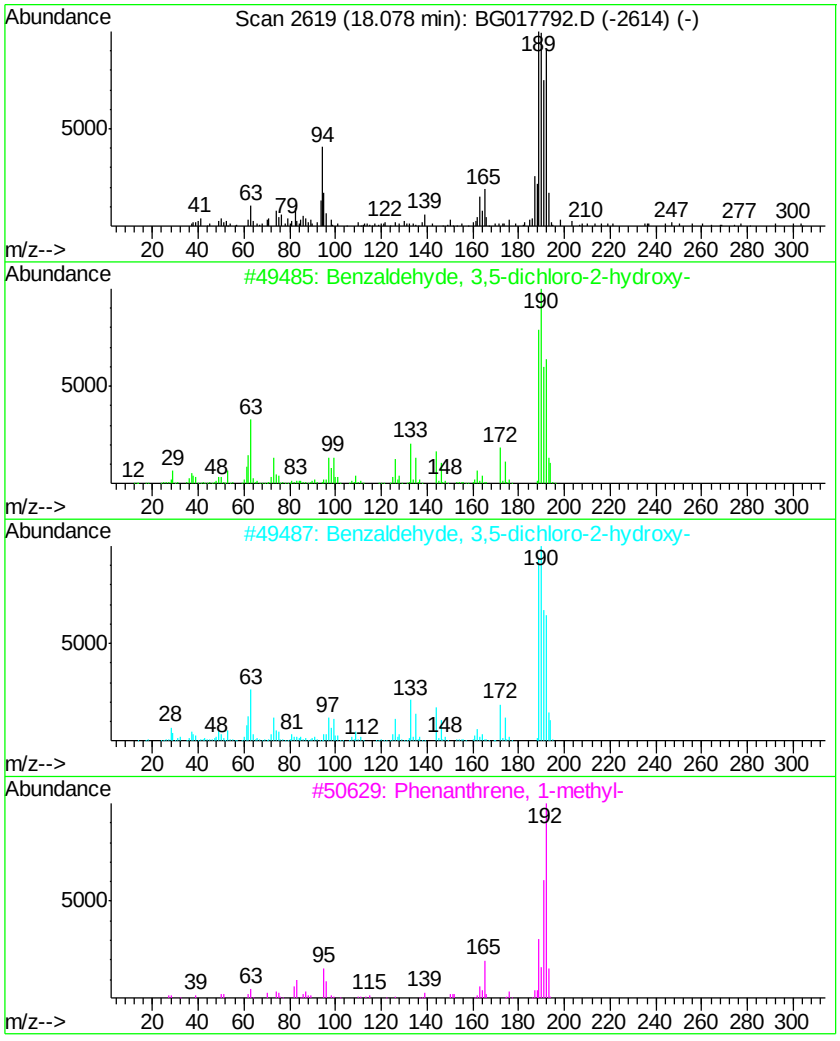
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

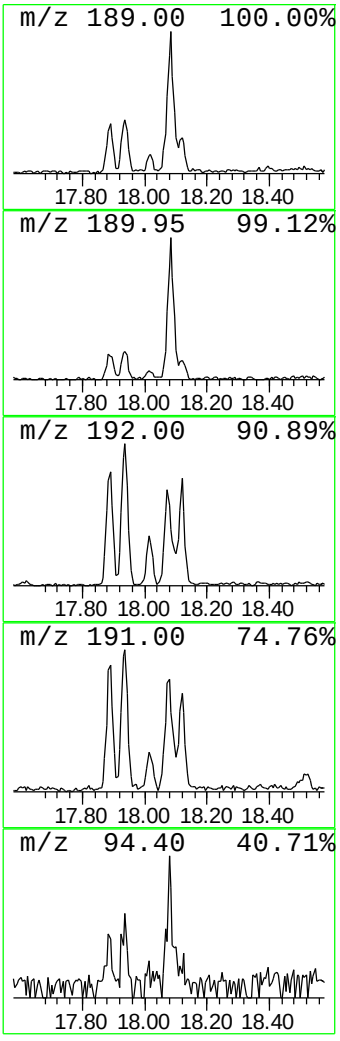
**********

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.08 | 3.55 ng/ul | 186491 | Phenanthrene-d10 | 17.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 64 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 64 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 46 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 41 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 41 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

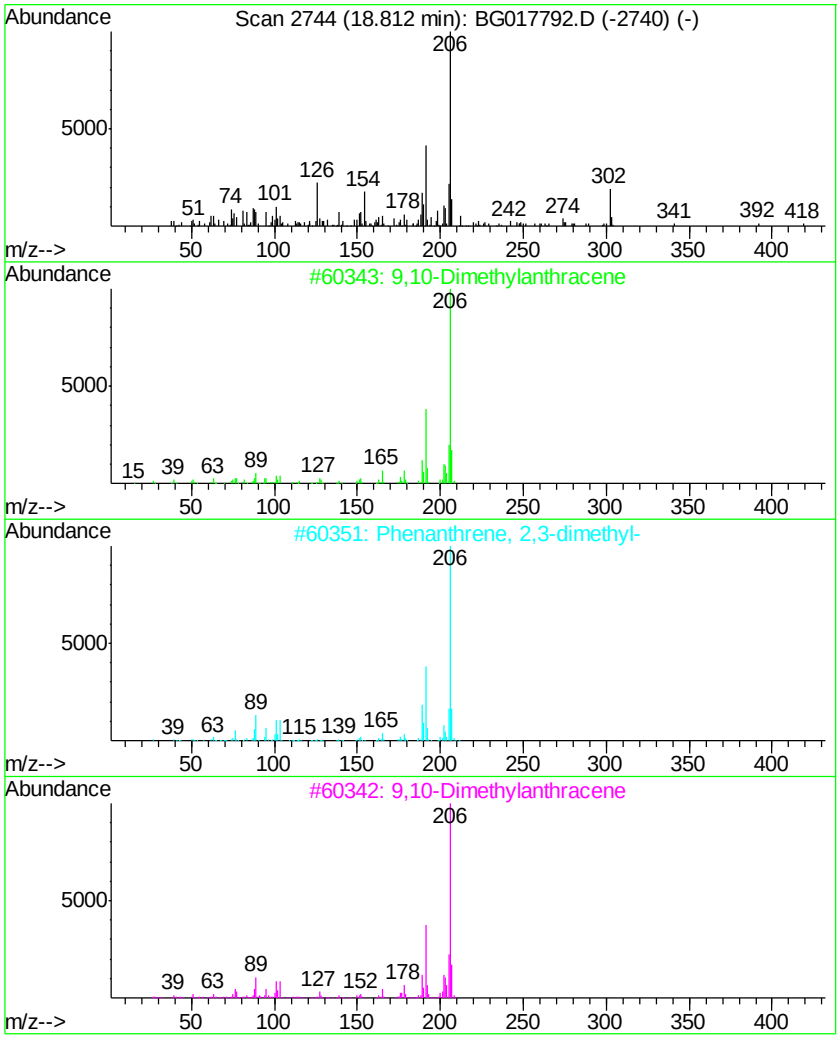
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

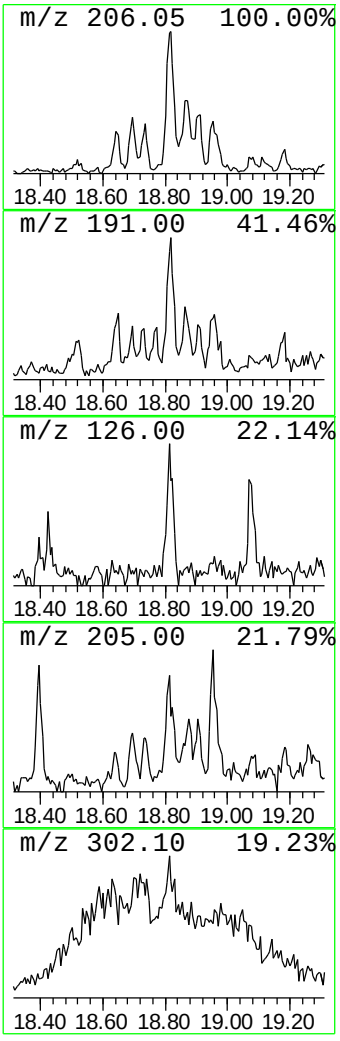
**********

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.81 | 2.30 ng/ul | 121078 | Phenanthrene-d10 | 17.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 70 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 64 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 62 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 62 |
| 5 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 62 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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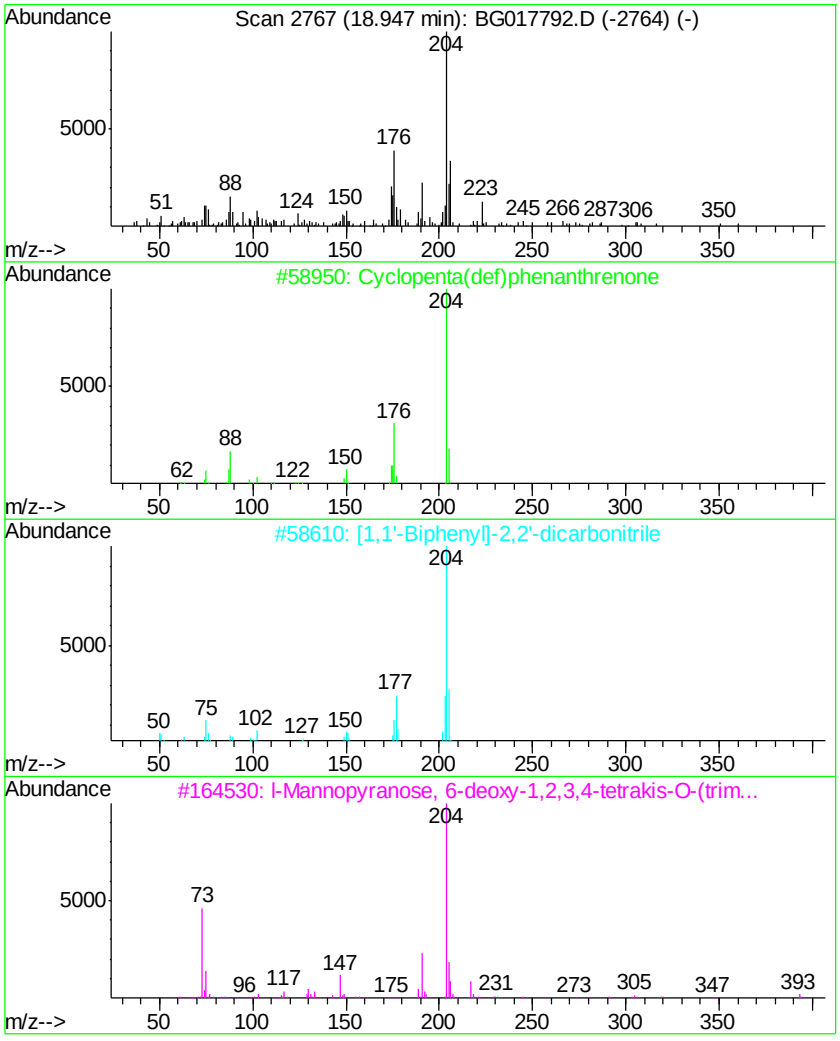
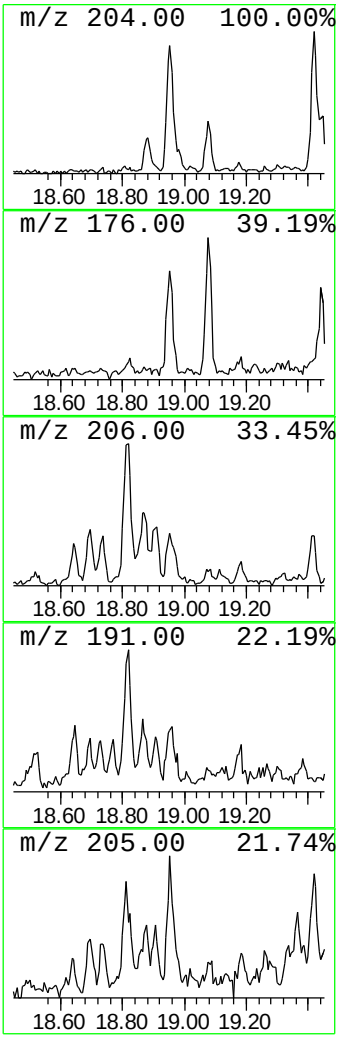
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.95 | 2.30 ng/ul | 121181 | Phenanthrene-d10 | 17.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 58 |
| 2 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 46 |
| 3 | l-Mannopyranose, 6-deoxy-1,2,3,4... | 452 | C18H44O5Si4 | 108392-01-4 | 43 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 43 |
| 5 | 1-Ethyl-1,2,3,4-tetrahydro-6,7-m... | 219 | C12H13NO3 | 132767-88-5 | 38 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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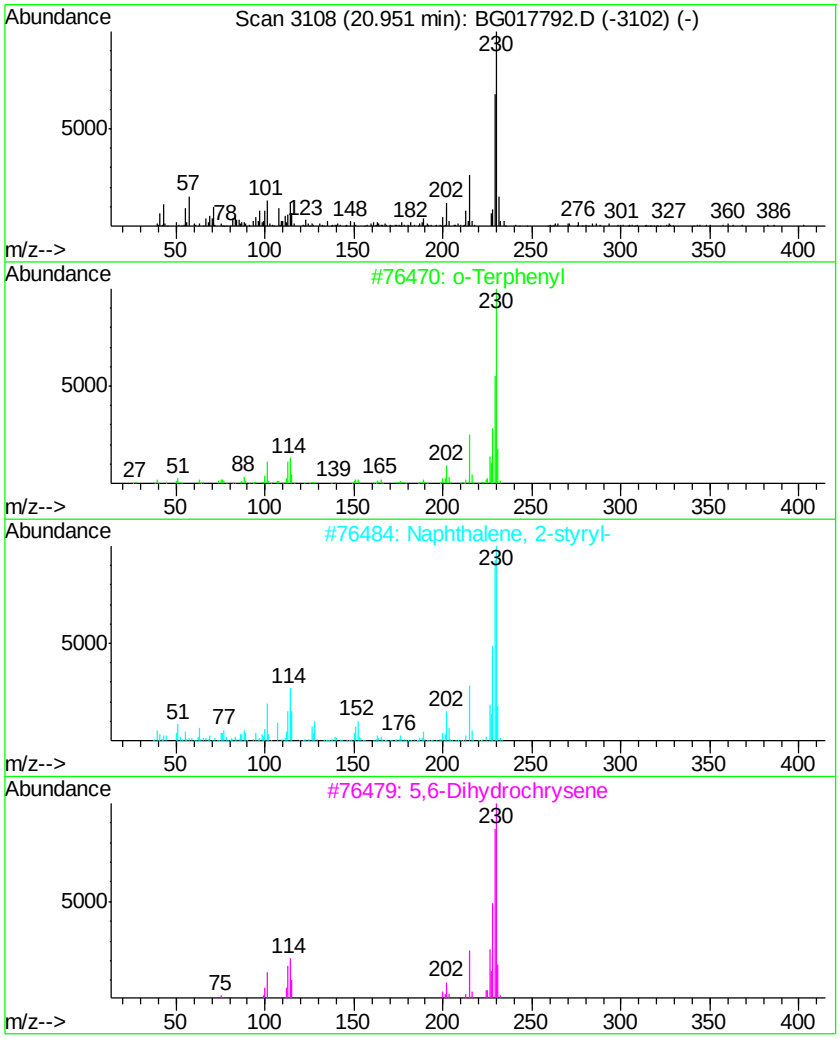
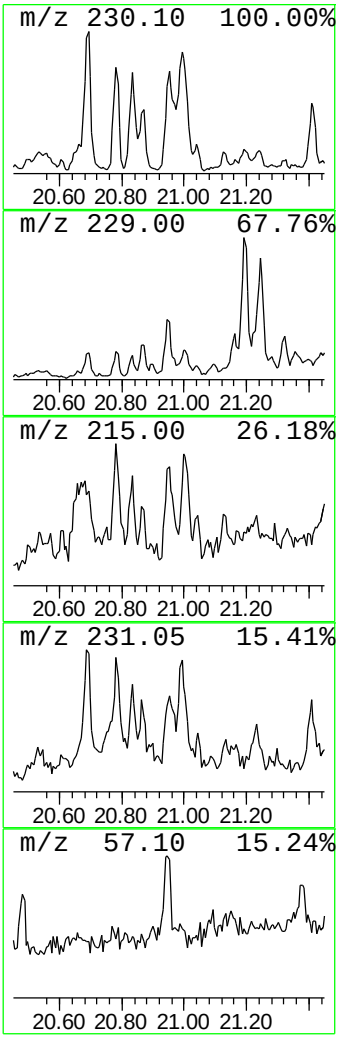
Peak Number 8 o-Terphenyl Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.95 | 2.35 ng/ul | 251475 | Chrysene-d12 | 21.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 95 |
| 2 | Naphthalene, 2-styryl- | 230 | C18H14 | 002039-70-5 | 93 |
| 3 | 5,6-Dihydrochrysene | 230 | C18H14 | 002091-92-1 | 90 |
| 4 | 6,6-Diphenylfulvene | 230 | C18H14 | 002175-90-8 | 81 |
| 5 | Naphthacene, 5,12-dihydro- | 230 | C18H14 | 000959-02-4 | 80 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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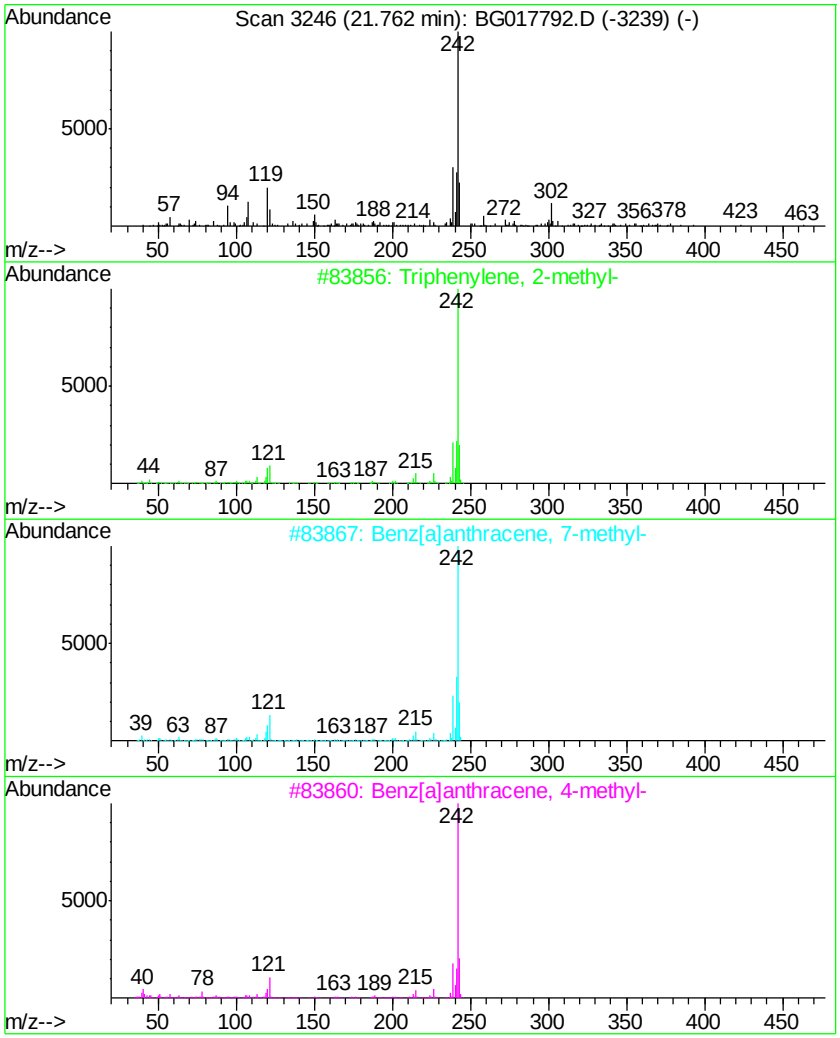
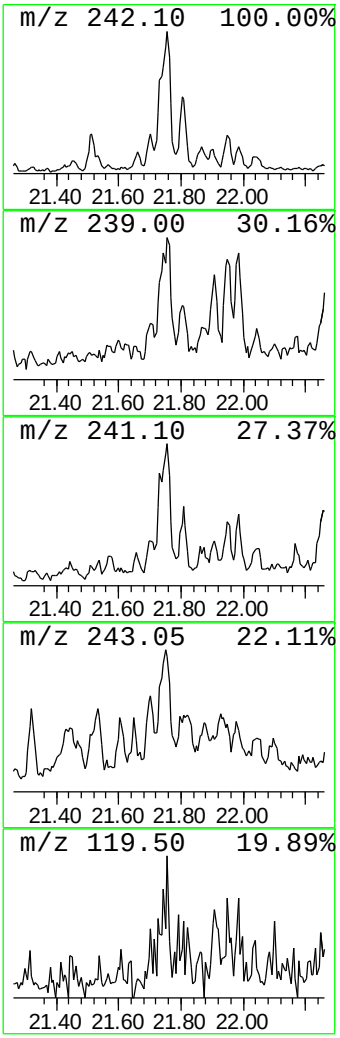
Peak Number 9 Triphenylene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.76 | 2.46 ng/ul | 263174 | Chrysene-d12 | 21.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 86 |
| 2 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 83 |
| 3 | Benz[a]anthracene, 4-methyl- | 242 | C19H14 | 000316-49-4 | 64 |
| 4 | Benz[a]anthracene, 5-methyl- | 242 | C19H14 | 002319-96-2 | 64 |
| 5 | Benz[a]anthracene, 11-methyl- | 242 | C19H14 | 006111-78-0 | 64 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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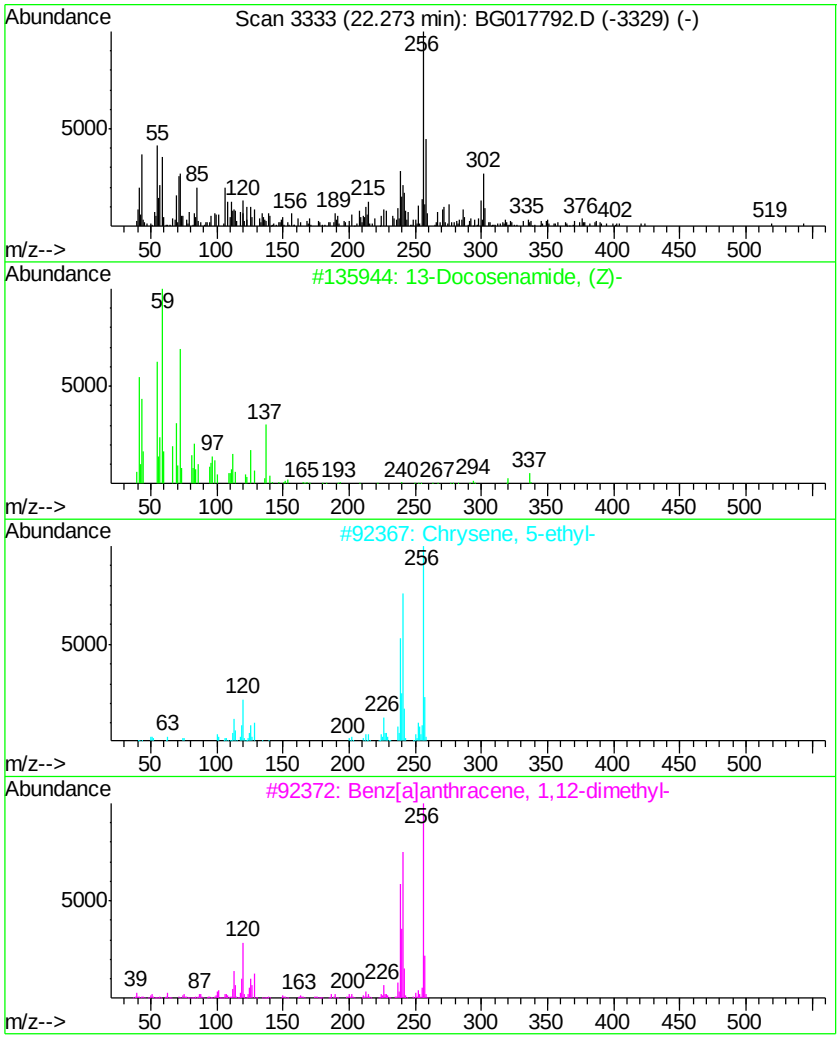
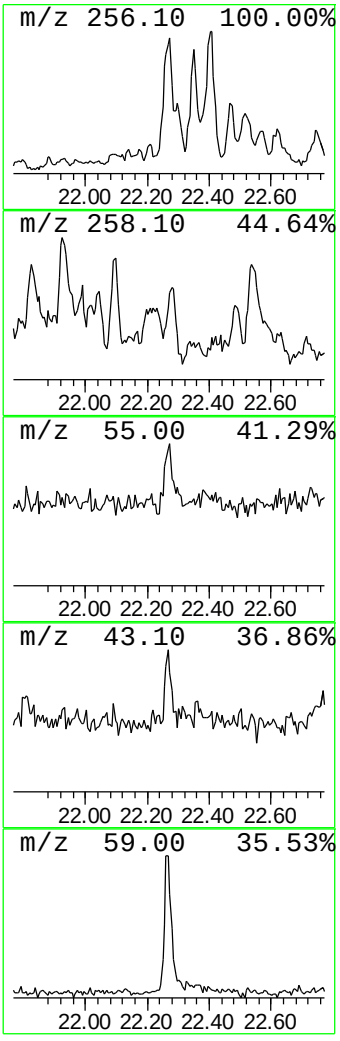
Peak Number 10 13-Docosenamide, (Z)- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.27 | 2.85 ng/ul | 304830 | Chrysene-d12 | 21.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 53 |
| 2 | Chrysene, 5-ethyl- | 256 | C20H16 | 054986-62-8 | 50 |
| 3 | Benz[a]anthracene, 1,12-dimethyl- | 256 | C20H16 | 000313-74-6 | 41 |
| 4 | Benz[a]anthracene, 1,12-dimethyl- | 256 | C20H16 | 000313-74-6 | 38 |
| 5 | Benz[a]anthracene, 7,12-dimethyl- | 256 | C20H16 | 000057-97-6 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017792.D
Acq On : 7 Jul 2015 12:19
Operator : TP/UM
Sample : G2860-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** G93J0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 2.88 | 125.1 | ng/ul | 2452930 | 1 | 7.60 | 392304 | 20.0 |
| unknown-01 | 4.75 | 2.1 | ng/ul | 41569 | 1 | 7.60 | 392304 | 20.0 |
| Anthracene, 2-met... | 17.94 | 3.1 | ng/ul | 163807 | 4 | 17.01 | 1051970 | 20.0 |
| Benzaldehyde, 3,5... | 18.08 | 3.5 | ng/ul | 186491 | 4 | 17.01 | 1051970 | 20.0 |
| 9,10-Dimethylanth... | 18.81 | 2.3 | ng/ul | 121078 | 4 | 17.01 | 1051970 | 20.0 |
| Cyclopenta(def)ph... | 18.95 | 2.3 | ng/ul | 121181 | 4 | 17.01 | 1051970 | 20.0 |
| o-Terphenyl | 20.95 | 2.4 | ng/ul | 251475 | 5 | 21.21 | 2135760 | 20.0 |
| Triphenylene, 2-m... | 21.76 | 2.5 | ng/ul | 263174 | 5 | 21.21 | 2135760 | 20.0 |
| 13-Docosenamide, ... | 22.27 | 2.9 | ng/ul | 304830 | 5 | 21.21 | 2135760 | 20.0 |