LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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 | 3.591 | 123 | 128 | 134 | rBV6 | 26532 | 45569 | 1.15% | 0.056% |
| 2 | 4.643 | 306 | 307 | 313 | rBV4 | 8265 | 10630 | 0.27% | 0.013% |
| 3 | 4.742 | 319 | 324 | 330 | rVB6 | 6362 | 14223 | 0.36% | 0.018% |
| 4 | 4.913 | 349 | 353 | 356 | rBV5 | 10906 | 11588 | 0.29% | 0.014% |
| 5 | 5.083 | 376 | 382 | 384 | rBV3 | 12268 | 14002 | 0.35% | 0.017% |
| 6 | 5.130 | 388 | 390 | 394 | rBV5 | 9234 | 11156 | 0.28% | 0.014% |
| 7 | 5.201 | 399 | 402 | 405 | rBV6 | 7886 | 9866 | 0.25% | 0.012% |
| 8 | 5.265 | 409 | 413 | 416 | rBV5 | 9313 | 13962 | 0.35% | 0.017% |
| 9 | 5.624 | 471 | 474 | 480 | rVB6 | 10337 | 13121 | 0.33% | 0.016% |
| 10 | 5.759 | 494 | 497 | 500 | rVB4 | 7526 | 9930 | 0.25% | 0.012% |
| 11 | 6.305 | 584 | 590 | 597 | rBV7 | 9747 | 23347 | 0.59% | 0.029% |
| 12 | 6.628 | 640 | 645 | 652 | rBV6 | 11749 | 19689 | 0.50% | 0.024% |
| 13 | 7.381 | 766 | 773 | 787 | rBV | 404314 | 766710 | 19.41% | 0.948% |
| 14 | 7.551 | 791 | 802 | 812 | rBV | 302298 | 511837 | 12.96% | 0.633% |
| 15 | 7.645 | 812 | 818 | 829 | rVB | 175342 | 309700 | 7.84% | 0.383% |
| 16 | 7.762 | 829 | 838 | 852 | rBV | 379708 | 707353 | 17.90% | 0.874% |
| 17 | 8.127 | 891 | 900 | 912 | rBV | 486093 | 865584 | 21.91% | 1.070% |
| 18 | 8.238 | 912 | 919 | 927 | rVB2 | 296474 | 537674 | 13.61% | 0.665% |
| 19 | 8.591 | 975 | 979 | 989 | rBV7 | 6829 | 16427 | 0.42% | 0.020% |
| 20 | 8.703 | 989 | 998 | 1000 | rVV7 | 13955 | 26696 | 0.68% | 0.033% |
| 21 | 8.755 | 1000 | 1007 | 1013 | rVV | 155562 | 401270 | 10.16% | 0.496% |
| 22 | 8.808 | 1013 | 1016 | 1025 | rVB2 | 91777 | 147701 | 3.74% | 0.183% |
| 23 | 8.938 | 1030 | 1038 | 1043 | rBV2 | 551468 | 991557 | 25.10% | 1.225% |
| 24 | 8.996 | 1043 | 1048 | 1059 | rVB | 774151 | 1375049 | 34.80% | 1.699% |
| 25 | 9.325 | 1093 | 1104 | 1113 | rBV | 646378 | 1209878 | 30.62% | 1.495% |
| 26 | 9.419 | 1113 | 1120 | 1124 | rVV | 421669 | 832280 | 21.07% | 1.029% |
| 27 | 9.460 | 1124 | 1127 | 1135 | rVB2 | 251019 | 409024 | 10.35% | 0.506% |
| 28 | 10.142 | 1236 | 1243 | 1245 | rBV | 418407 | 721273 | 18.26% | 0.891% |
| 29 | 10.171 | 1246 | 1248 | 1252 | rVV | 486879 | 781954 | 19.79% | 0.966% |
| 30 | 10.218 | 1252 | 1256 | 1272 | rVB | 513024 | 946429 | 23.96% | 1.170% |
| 31 | 10.453 | 1289 | 1296 | 1306 | rBV | 273007 | 470799 | 11.92% | 0.582% |
| 32 | 10.683 | 1325 | 1335 | 1350 | rBV3 | 608401 | 1802538 | 45.62% | 2.228% |
| 33 | 10.923 | 1364 | 1376 | 1386 | rVB2 | 448779 | 825943 | 20.91% | 1.021% |
| 34 | 11.070 | 1390 | 1401 | 1411 | rBV | 425664 | 804590 | 20.37% | 0.994% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.223 | 1415 | 1427 | 1437 | rBV2 | 1035411 | 2861358 | 72.42% | 3.536% |
| 36 | 11.464 | 1462 | 1468 | 1470 | rBV6 | 6051 | 12369 | 0.31% | 0.015% |
| 37 | 11.493 | 1470 | 1473 | 1480 | rVB7 | 3967 | 9070 | 0.23% | 0.011% |
| 38 | 12.087 | 1565 | 1574 | 1596 | rBV | 1135802 | 2206668 | 55.85% | 2.727% |
| 39 | 12.475 | 1637 | 1640 | 1644 | rBV3 | 5448 | 10048 | 0.25% | 0.012% |
| 40 | 12.633 | 1660 | 1667 | 1671 | rBV4 | 11655 | 19505 | 0.49% | 0.024% |
| 41 | 12.704 | 1671 | 1679 | 1689 | rVB | 740236 | 1237658 | 31.33% | 1.530% |
| 42 | 12.821 | 1695 | 1699 | 1708 | rBV8 | 24457 | 69412 | 1.76% | 0.086% |
| 43 | 12.921 | 1710 | 1716 | 1722 | rBV7 | 24246 | 55806 | 1.41% | 0.069% |
| 44 | 13.033 | 1727 | 1735 | 1743 | rVB | 952290 | 1464587 | 37.07% | 1.810% |
| 45 | 13.303 | 1773 | 1781 | 1793 | rVB | 454517 | 767454 | 19.43% | 0.948% |
| 46 | 13.744 | 1849 | 1856 | 1867 | rVB | 463073 | 780646 | 19.76% | 0.965% |
| 47 | 13.955 | 1881 | 1892 | 1913 | rBV | 1358474 | 2296607 | 58.13% | 2.838% |
| 48 | 14.126 | 1918 | 1921 | 1927 | rVB5 | 8530 | 11987 | 0.30% | 0.015% |
| 49 | 14.255 | 1935 | 1943 | 1947 | rVV | 1346863 | 2013685 | 50.97% | 2.489% |
| 50 | 14.302 | 1947 | 1951 | 1960 | rVB | 1151512 | 1702333 | 43.09% | 2.104% |
| 51 | 14.437 | 1966 | 1974 | 1981 | rVB | 379408 | 604530 | 15.30% | 0.747% |
| 52 | 14.560 | 1984 | 1995 | 2004 | rBV | 1189738 | 1937997 | 49.05% | 2.395% |
| 53 | 14.772 | 2022 | 2031 | 2039 | rBV2 | 1340037 | 2313974 | 58.57% | 2.860% |
| 54 | 14.860 | 2039 | 2046 | 2057 | rVB | 801499 | 1281848 | 32.44% | 1.584% |
| 55 | 14.978 | 2057 | 2066 | 2073 | rBV | 1079908 | 1735046 | 43.92% | 2.144% |
| 56 | 15.066 | 2073 | 2081 | 2092 | rVB3 | 1635573 | 3386199 | 85.71% | 4.185% |
| 57 | 15.283 | 2114 | 2118 | 2123 | rBV6 | 19225 | 37450 | 0.95% | 0.046% |
| 58 | 15.495 | 2150 | 2154 | 2159 | rVB8 | 10247 | 19017 | 0.48% | 0.024% |
| 59 | 15.589 | 2168 | 2170 | 2175 | rBV6 | 10054 | 14860 | 0.38% | 0.018% |
| 60 | 15.641 | 2175 | 2179 | 2184 | rVB8 | 10335 | 18942 | 0.48% | 0.023% |
| 61 | 15.847 | 2206 | 2214 | 2218 | rBV | 1625559 | 2695392 | 68.22% | 3.331% |
| 62 | 15.882 | 2218 | 2220 | 2224 | rVV | 670297 | 862147 | 21.82% | 1.066% |
| 63 | 15.935 | 2224 | 2229 | 2232 | rVV | 917063 | 1745125 | 44.17% | 2.157% |
| 64 | 15.976 | 2232 | 2236 | 2250 | rVV3 | 1727065 | 3285530 | 83.16% | 4.061% |
| 65 | 16.088 | 2250 | 2255 | 2261 | rVV4 | 32010 | 61173 | 1.55% | 0.076% |
| 66 | 16.129 | 2261 | 2262 | 2267 | rVV5 | 10810 | 13131 | 0.33% | 0.016% |
| 67 | 16.229 | 2272 | 2279 | 2281 | rVV7 | 9385 | 17731 | 0.45% | 0.022% |
| 68 | 16.253 | 2281 | 2283 | 2288 | rVB5 | 7011 | 10943 | 0.28% | 0.014% |
| 69 | 16.335 | 2293 | 2297 | 2299 | rBV3 | 9282 | 9461 | 0.24% | 0.012% |
| 70 | 16.482 | 2316 | 2322 | 2330 | rVB7 | 31650 | 48718 | 1.23% | 0.060% |
| 71 | 16.552 | 2330 | 2334 | 2340 | rBV6 | 6501 | 10919 | 0.28% | 0.013% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.623 | 2344 | 2346 | 2348 | rBV2 | 9376 | 9834 | 0.25% | 0.012% |
| 73 | 16.717 | 2358 | 2362 | 2366 | rBV6 | 8332 | 14768 | 0.37% | 0.018% |
| 74 | 16.781 | 2366 | 2373 | 2381 | rVV | 2488200 | 3686683 | 93.31% | 4.556% |
| 75 | 16.999 | 2407 | 2410 | 2414 | rVB4 | 6755 | 9956 | 0.25% | 0.012% |
| 76 | 17.075 | 2421 | 2423 | 2427 | rBV4 | 7705 | 10549 | 0.27% | 0.013% |
| 77 | 17.392 | 2473 | 2477 | 2484 | rVB9 | 11447 | 17152 | 0.43% | 0.021% |
| 78 | 17.604 | 2504 | 2513 | 2522 | rBV | 1113118 | 1739742 | 44.03% | 2.150% |
| 79 | 17.704 | 2522 | 2530 | 2541 | rBV | 1972600 | 3119938 | 78.97% | 3.856% |
| 80 | 17.986 | 2574 | 2578 | 2581 | rBV6 | 9858 | 11957 | 0.30% | 0.015% |
| 81 | 18.144 | 2600 | 2605 | 2610 | rVB | 194093 | 268208 | 6.79% | 0.331% |
| 82 | 18.203 | 2611 | 2615 | 2619 | rVV7 | 9894 | 14442 | 0.37% | 0.018% |
| 83 | 18.327 | 2631 | 2636 | 2638 | rBV5 | 7001 | 12399 | 0.31% | 0.015% |
| 84 | 18.567 | 2672 | 2677 | 2685 | rVB | 1210787 | 1592214 | 40.30% | 1.968% |
| 85 | 18.885 | 2724 | 2731 | 2733 | rVB8 | 6270 | 13332 | 0.34% | 0.016% |
| 86 | 19.032 | 2752 | 2756 | 2757 | rBV3 | 9740 | 14830 | 0.38% | 0.018% |
| 87 | 19.155 | 2772 | 2777 | 2784 | rVB10 | 41455 | 68552 | 1.74% | 0.085% |
| 88 | 19.607 | 2851 | 2854 | 2859 | rBV4 | 32012 | 41717 | 1.06% | 0.052% |
| 89 | 19.866 | 2892 | 2898 | 2905 | rBV3 | 26525 | 58456 | 1.48% | 0.072% |
| 90 | 19.978 | 2909 | 2917 | 2926 | rBV | 2566146 | 3950839 | 100.00% | 4.883% |
| 91 | 21.035 | 3091 | 3097 | 3105 | rVB | 2519240 | 3645687 | 92.28% | 4.506% |
| 92 | 21.781 | 3217 | 3224 | 3234 | rVB | 1078694 | 1851416 | 46.86% | 2.288% |
| 93 | 21.893 | 3236 | 3243 | 3250 | rVB | 1252388 | 2170899 | 54.95% | 2.683% |
| 94 | 23.385 | 3492 | 3497 | 3505 | rVB5 | 84110 | 166097 | 4.20% | 0.205% |
| 95 | 24.226 | 3635 | 3640 | 3652 | rVB4 | 95734 | 228110 | 5.77% | 0.282% |
| 96 | 25.072 | 3773 | 3784 | 3797 | rBV3 | 1151470 | 3589282 | 90.85% | 4.436% |
| 97 | 25.224 | 3803 | 3810 | 3815 | rBV3 | 122771 | 311964 | 7.90% | 0.386% |
| 98 | 25.307 | 3815 | 3824 | 3838 | rVB2 | 687182 | 2092866 | 52.97% | 2.587% |
| 99 | 26.411 | 4005 | 4012 | 4023 | rVB4 | 147288 | 421004 | 10.66% | 0.520% |
| 100 | 27.845 | 4250 | 4256 | 4272 | rVB6 | 141529 | 492456 | 12.46% | 0.609% |

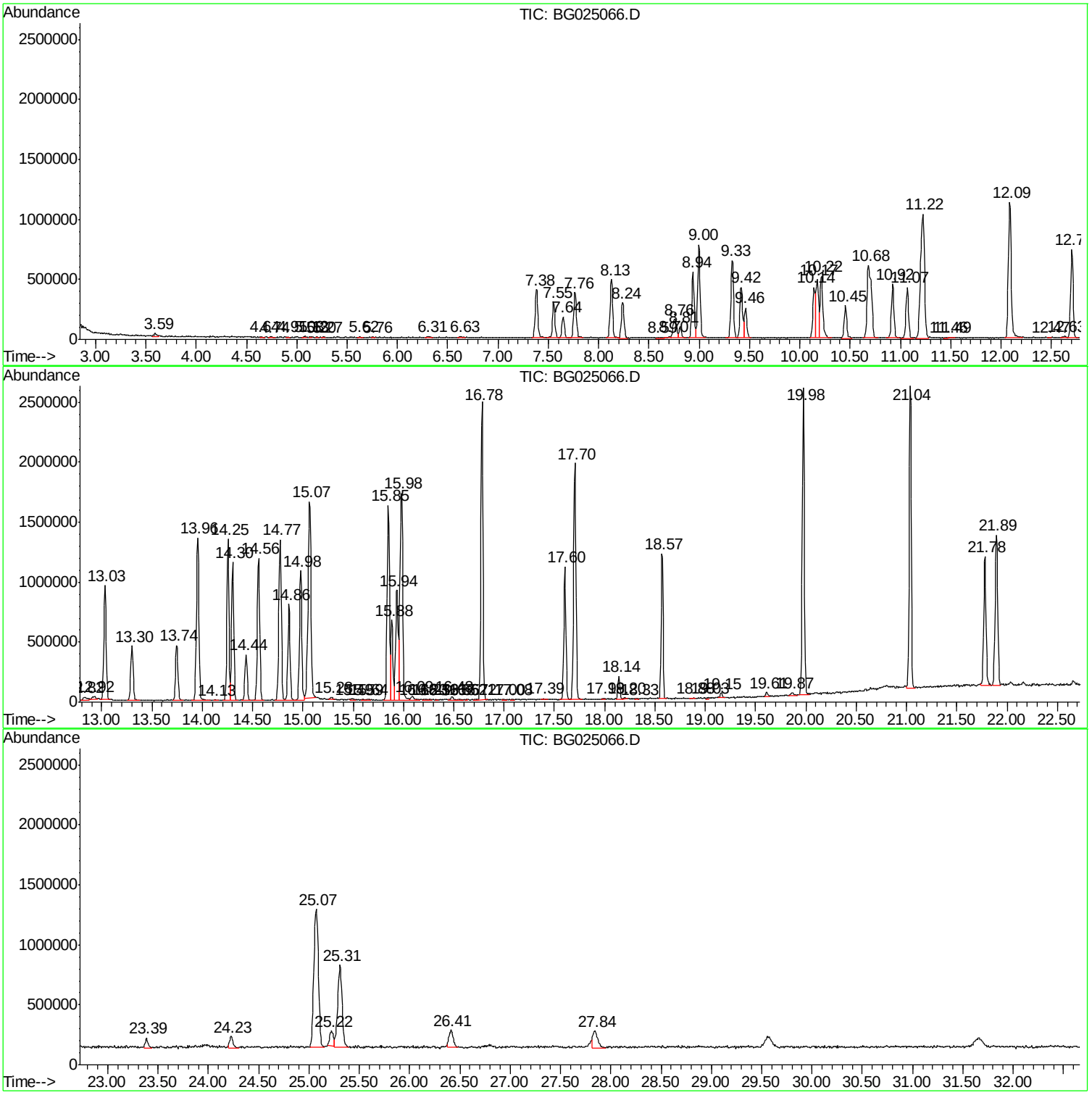
Sum of corrected areas: 80914024

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

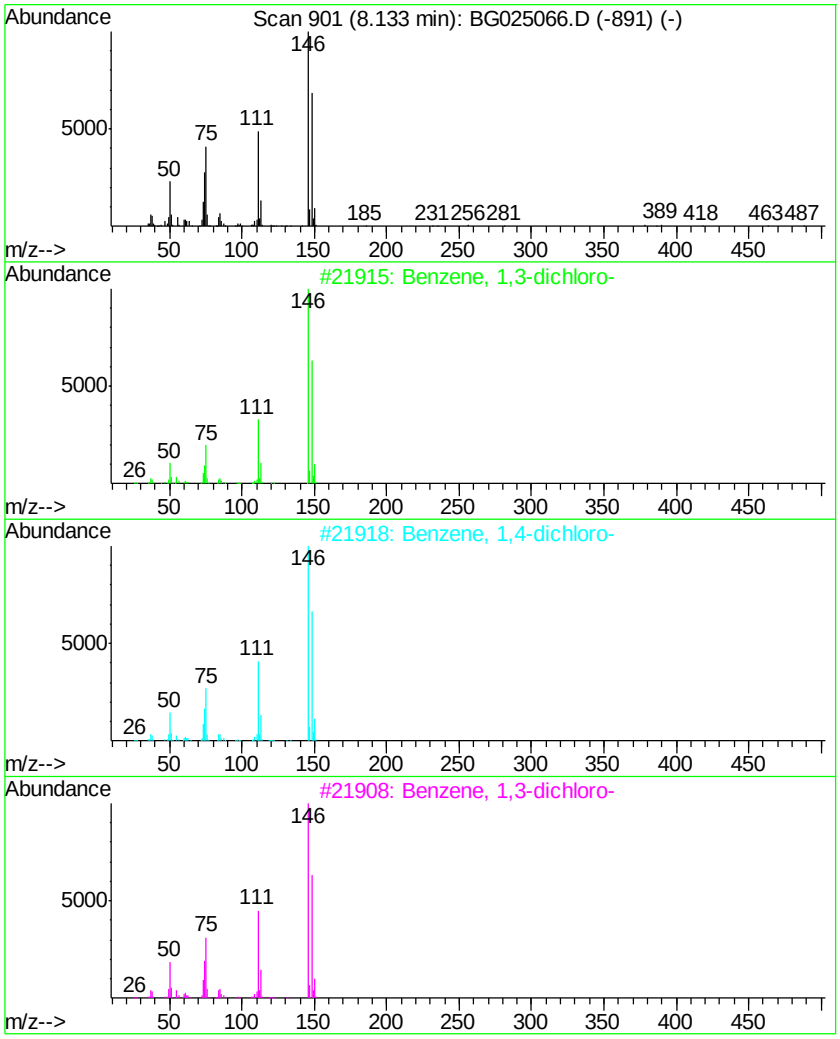
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

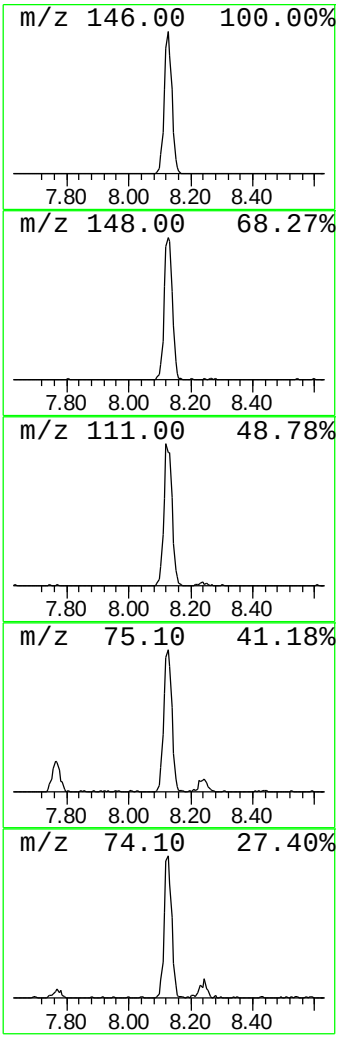
**********

Peak Number 1 Benzene, 1,3-dichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.13 | 32.20 ng/ul | 865584 | 1,4-Dichlorobenzene-d4 | 8.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 96 |
| 4 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 95 |
| 5 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 94 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

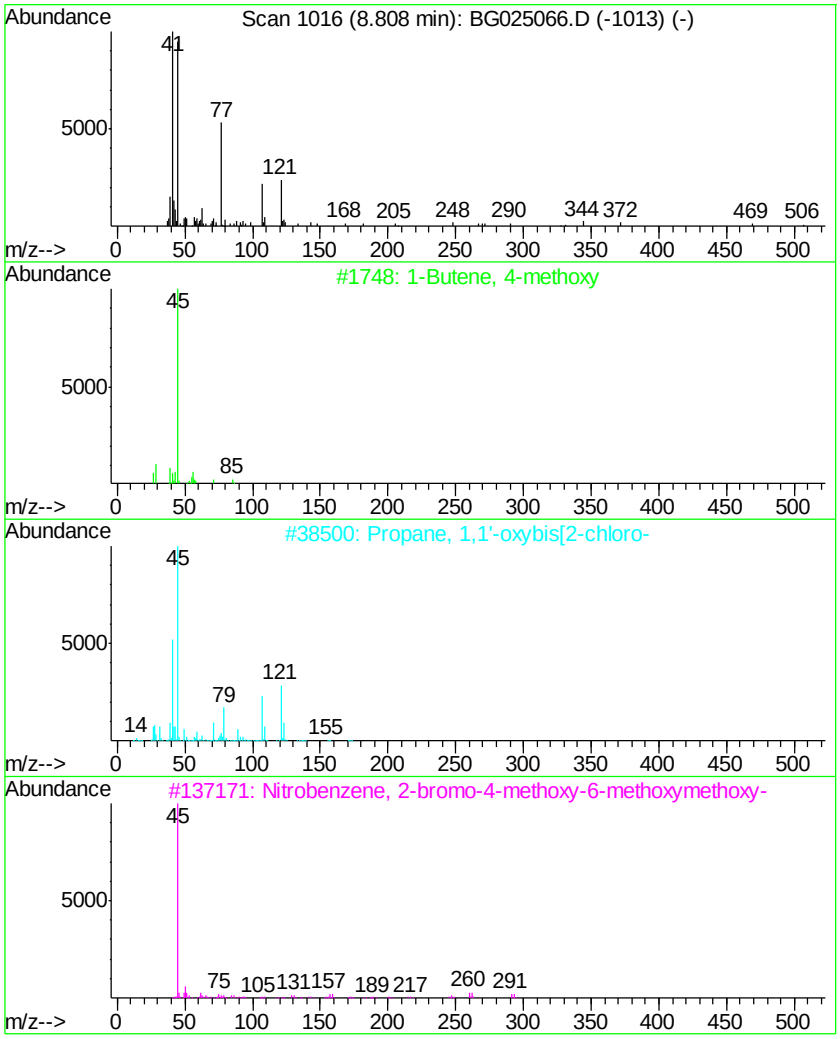
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

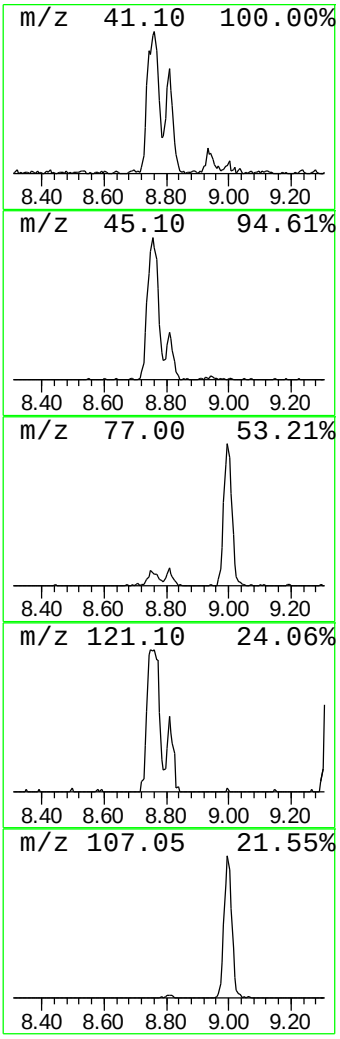
**********

Peak Number 2 unknown-01 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.81 | 5.49 ng/ul | 147701 | 1,4-Dichlorobenzene-d4 | 8.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butene, 4-methoxy | 86 | C5H10O | 004696-30-4 | 38 |
| 2 | Propane, 1,1'-oxybis[2-chloro- | 170 | C6H12Cl2O | 054460-96-7 | 38 |
| 3 | Nitrobenzene, 2-bromo-4-methoxy-... | 291 | C9H10BrNO5 | 1000255-48-9 | 32 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 32 |
| 5 | 2-Butanol, 3-chloro- | 108 | C4H9ClO | 000563-84-8 | 23 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

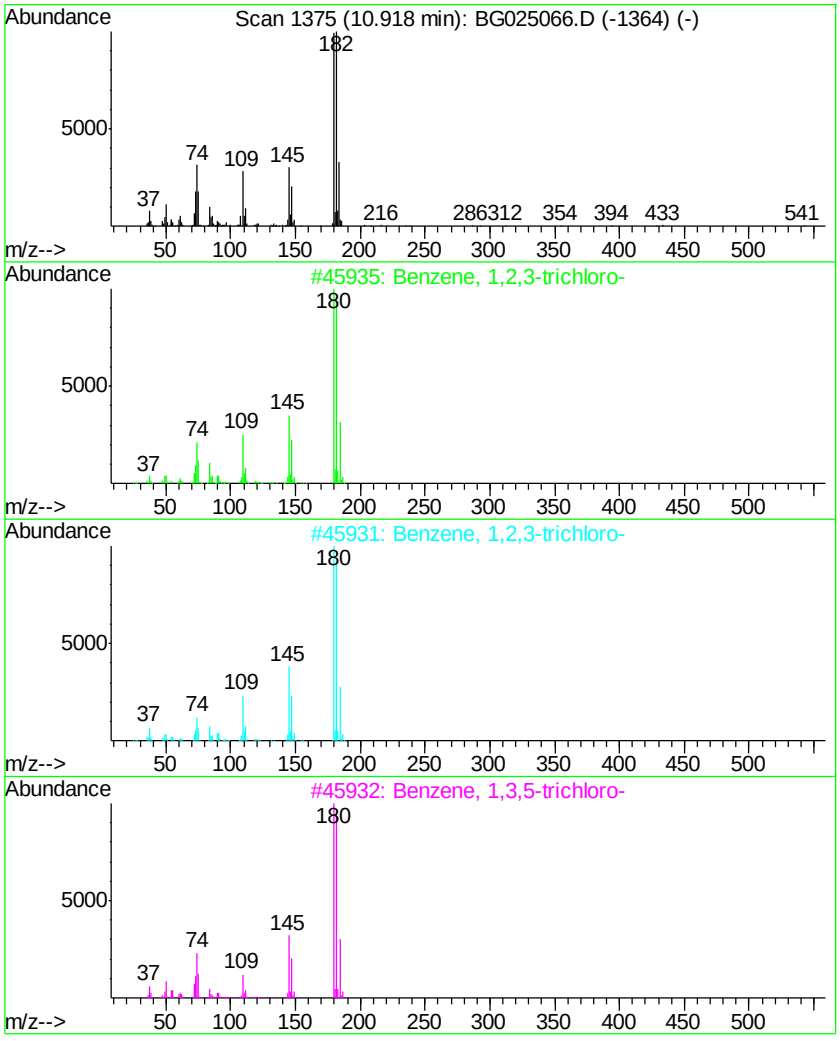
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

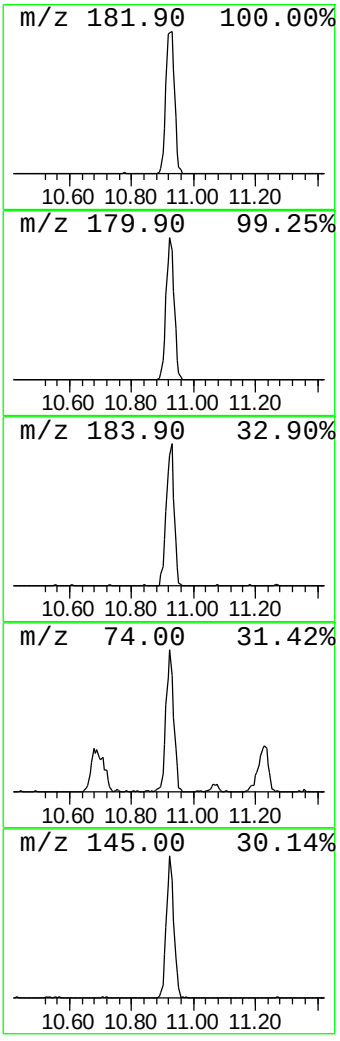
**********

Peak Number 3 Benzene, 1,2,3-trichloro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.92 | 20.53 ng/ul | 825943 | Naphthalene-d8 | 11.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 2 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 3 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |
| 4 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |
| 5 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 94 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

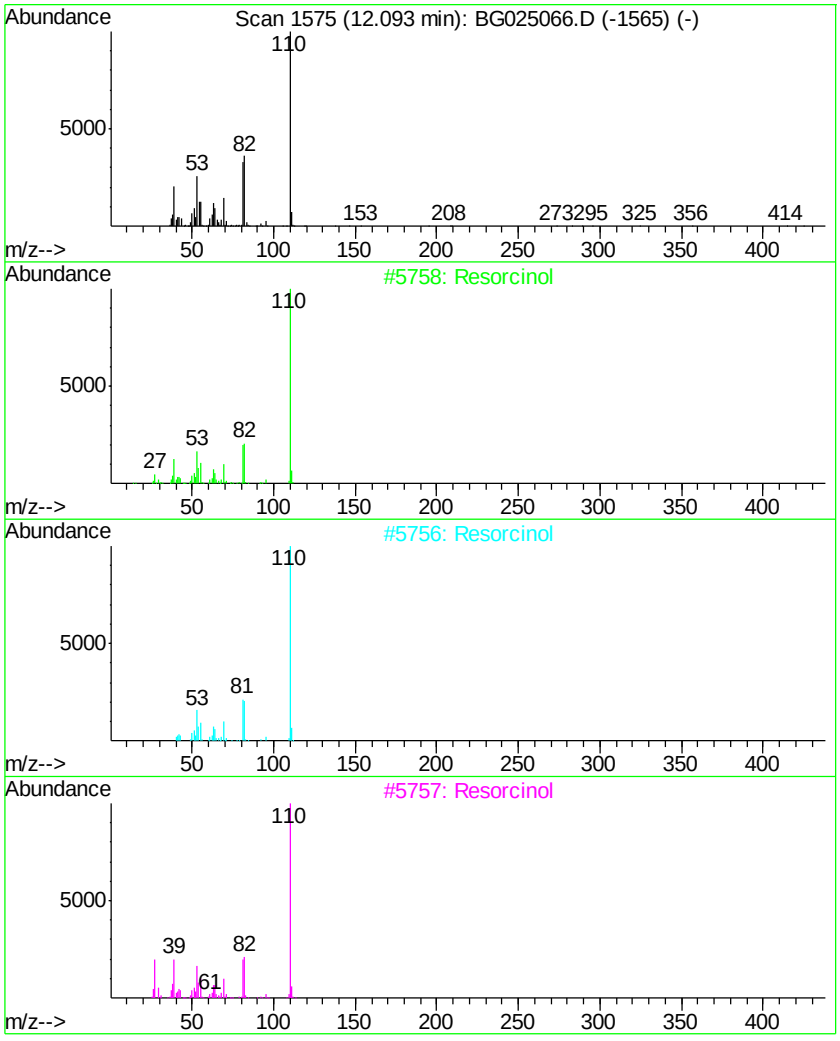
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

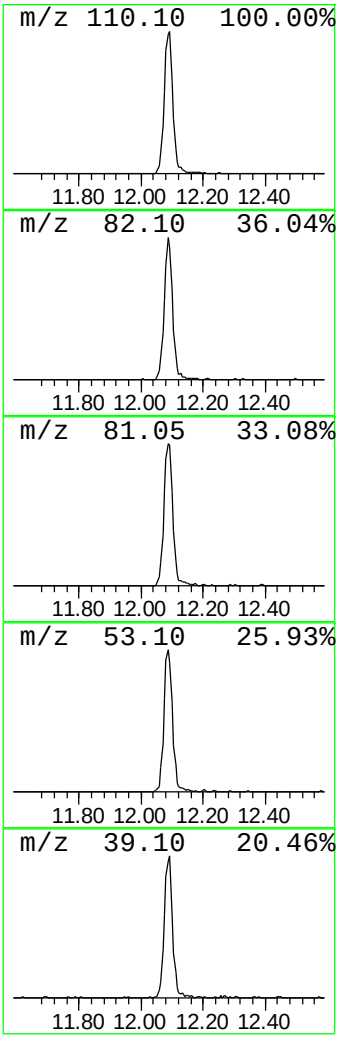
**********

Peak Number 4 Resorcinol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.09 | 54.85 ng/ul | 2206670 | Naphthalene-d8 | 11.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Resorcinol | 110 | C6H6O2 | 000108-46-3 | 95 |
| 2 | Resorcinol | 110 | C6H6O2 | 000108-46-3 | 94 |
| 3 | Resorcinol | 110 | C6H6O2 | 000108-46-3 | 91 |
| 4 | Resorcinol | 110 | C6H6O2 | 000108-46-3 | 90 |
| 5 | Hydroquinone | 110 | C6H6O2 | 000123-31-9 | 80 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

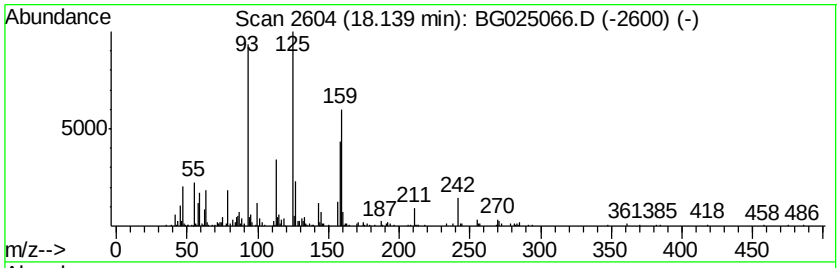
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

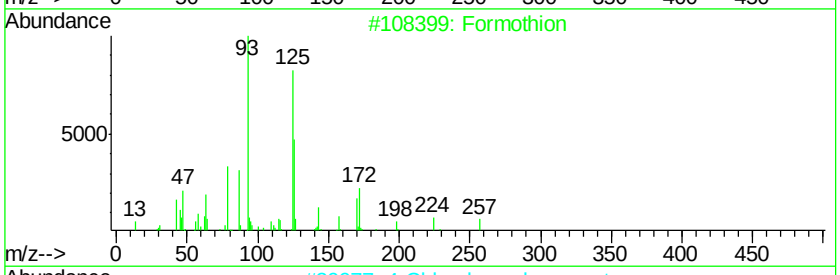
**********

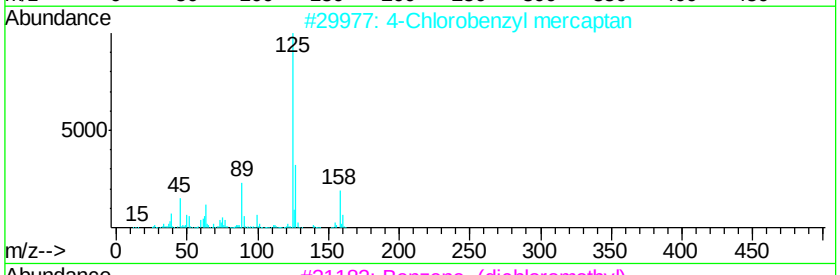
Peak Number 5 unknown-02 Concentration Rank 9

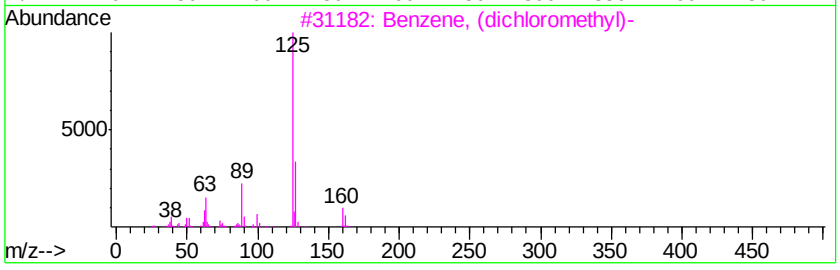
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.14 | 3.08 ng/ul | 268208 | Phenanthrene-d10 | 17.60 |

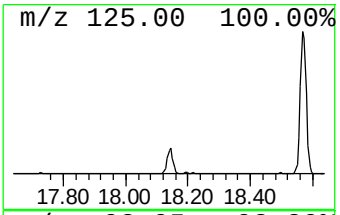
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Formothion | 257 | C6H12NO4PS2 | 002540-82-1 | 43 |
| 2 | 4-Chlorobenzyl mercaptan | 158 | C7H7ClS | 006258-66-8 | 16 |
| 3 | Benzene, (dichloromethyl)- | 160 | C7H6Cl2 | 000098-87-3 | 14 |
| 4 | Benzene, (dichloromethyl)- | 160 | C7H6Cl2 | 000098-87-3 | 14 |
| 5 | 4-Chlorobenzyl mercaptan | 158 | C7H7ClS | 006258-66-8 | 12 |

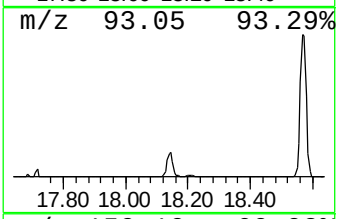


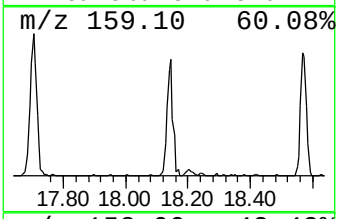



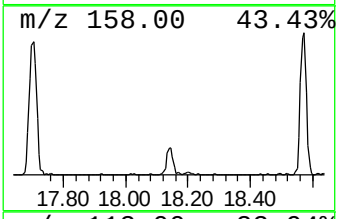



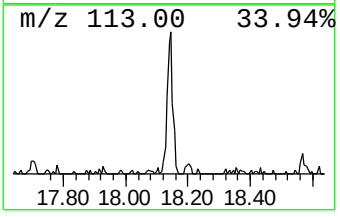



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

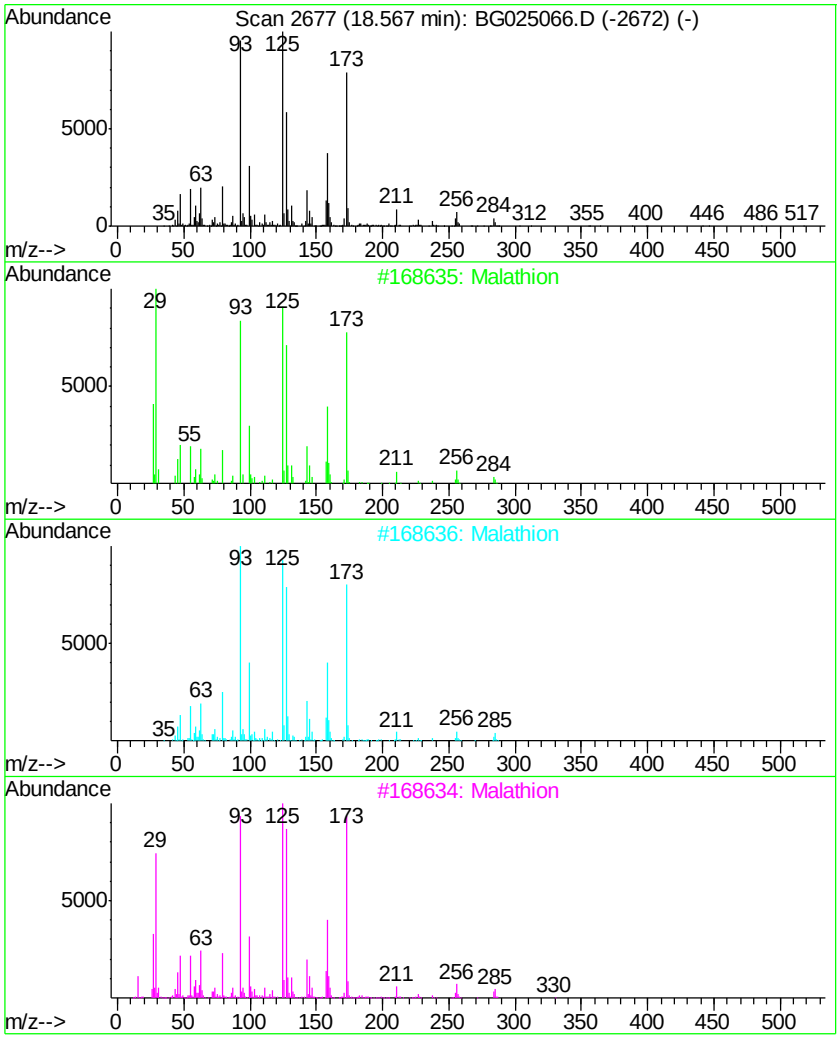
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

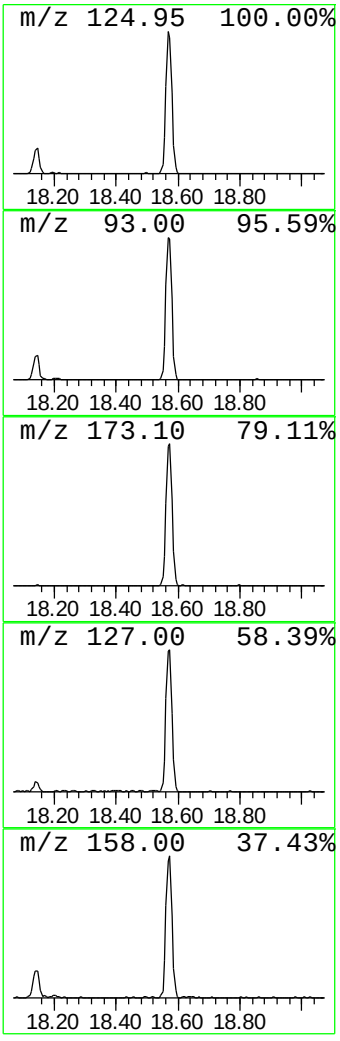
**********

Peak Number 6 Malathion Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.57 | 18.30 ng/ul | 1592210 | Phenanthrene-d10 | 17.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Malathion | 330 | C10H19O6PS2 | 000121-75-5 | 95 |
| 2 | Malathion | 330 | C10H19O6PS2 | 000121-75-5 | 83 |
| 3 | Malathion | 330 | C10H19O6PS2 | 000121-75-5 | 80 |
| 4 | Malathion | 330 | C10H19O6PS2 | 000121-75-5 | 58 |
| 5 | Malathion | 330 | C10H19O6PS2 | 000121-75-5 | 27 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

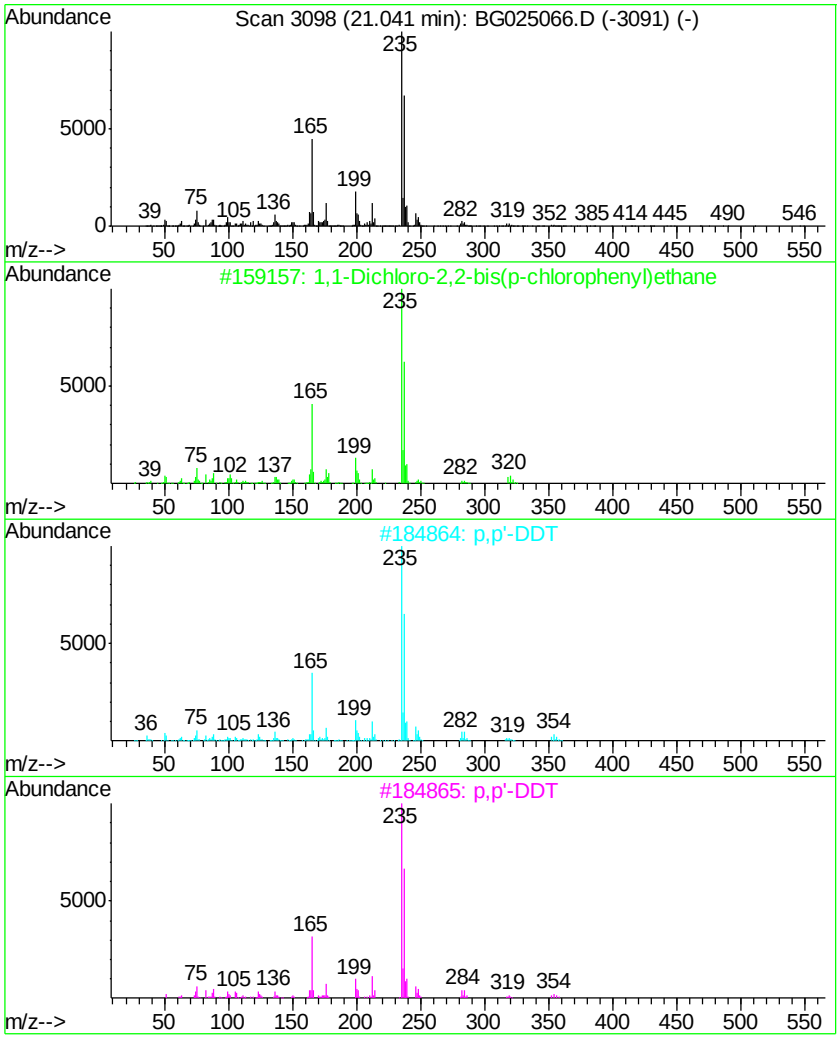
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

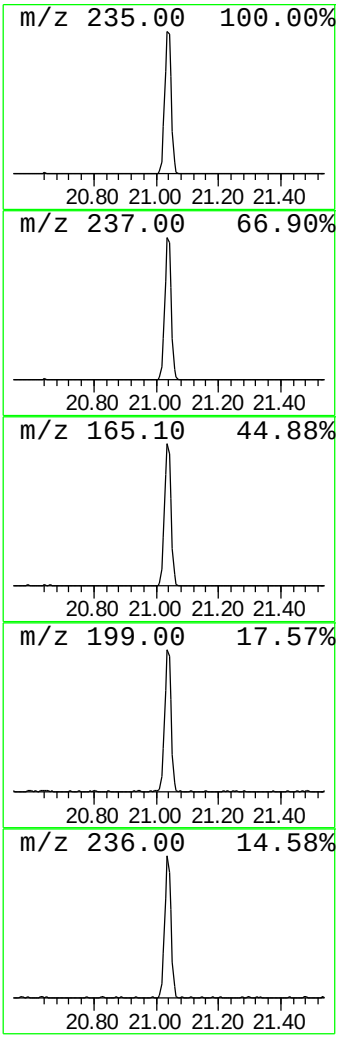
**********

Peak Number 7 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.04 | 33.59 ng/ul | 3645690 | Chrysene-d12 | 21.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1-Dichloro-2,2-bis(p-chlorophe... | 318 | C14H10Cl4 | 000072-54-8 | 97 |
| 2 | p,p'-DDT | 352 | C14H9Cl5 | 000050-29-3 | 95 |
| 3 | p,p'-DDT | 352 | C14H9Cl5 | 000050-29-3 | 94 |
| 4 | o,p'-DDT | 352 | C14H9Cl5 | 000789-02-6 | 94 |
| 5 | 3-Butanone, 1,1-bis(4-chlorophen... | 320 | C18H18Cl2O | 1000158-20-4 | 93 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

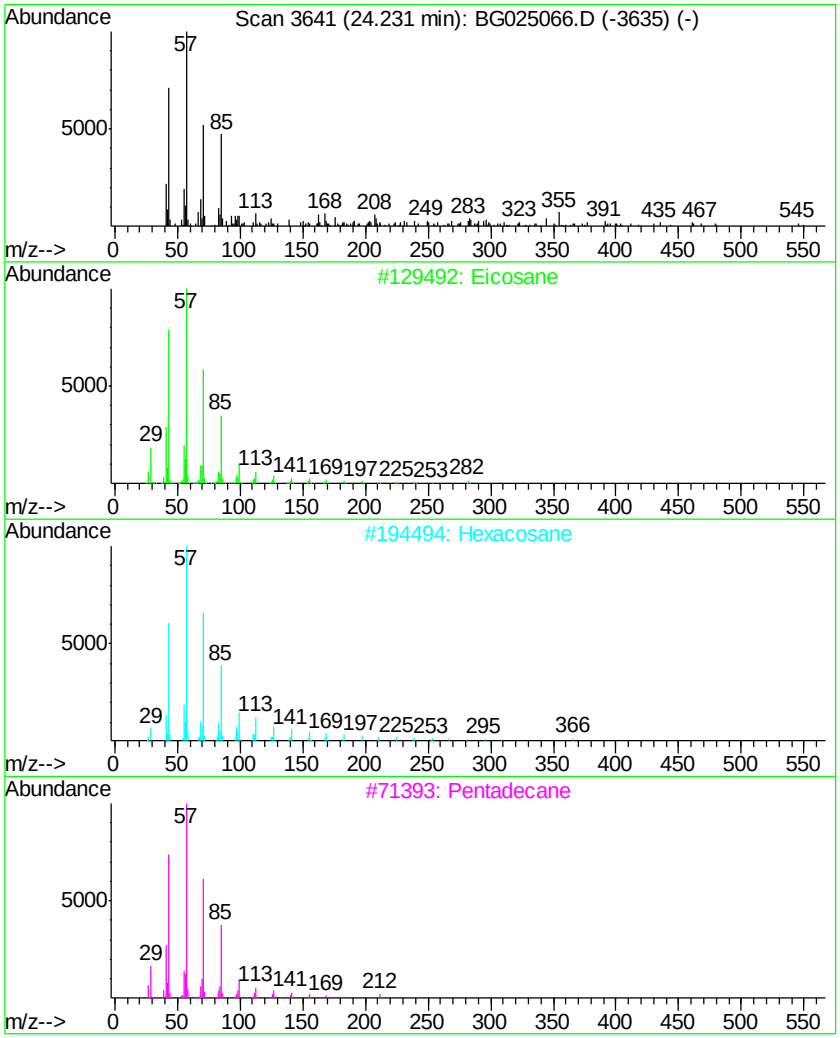
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

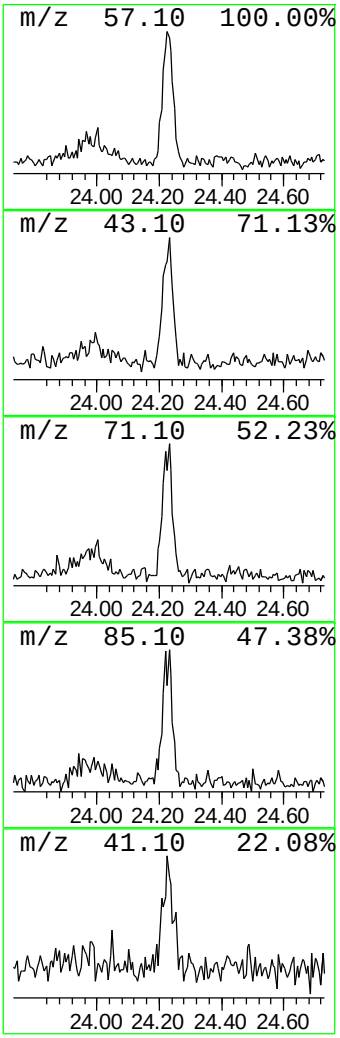
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.23 | 2.18 ng/ul | 228110 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 49 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 42 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 42 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 38 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 30 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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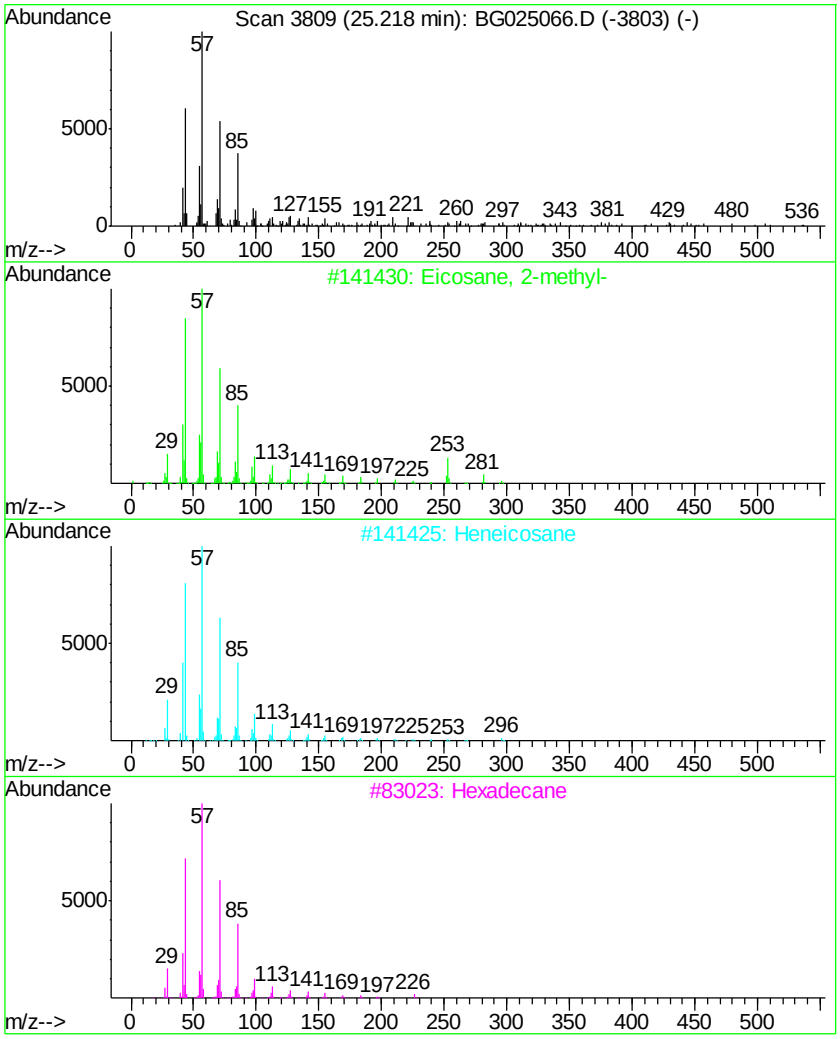
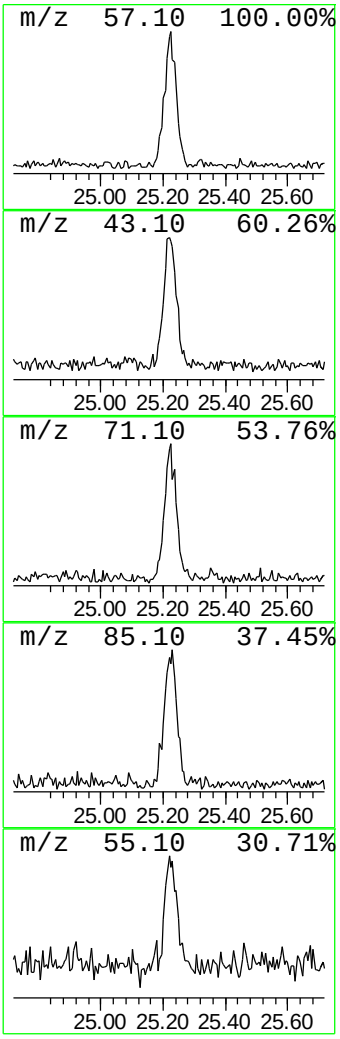
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.22 | 2.98 ng/ul | 311964 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 2-methyl- | 296 | C21H44 | 001560-84-5 | 89 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 89 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 76 |
| 4 | Heptadecane, 2-methyl- | 254 | C18H38 | 001560-89-0 | 76 |
| 5 | Tetracosane, 1-bromo- | 416 | C24H49Br | 006946-24-3 | 68 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

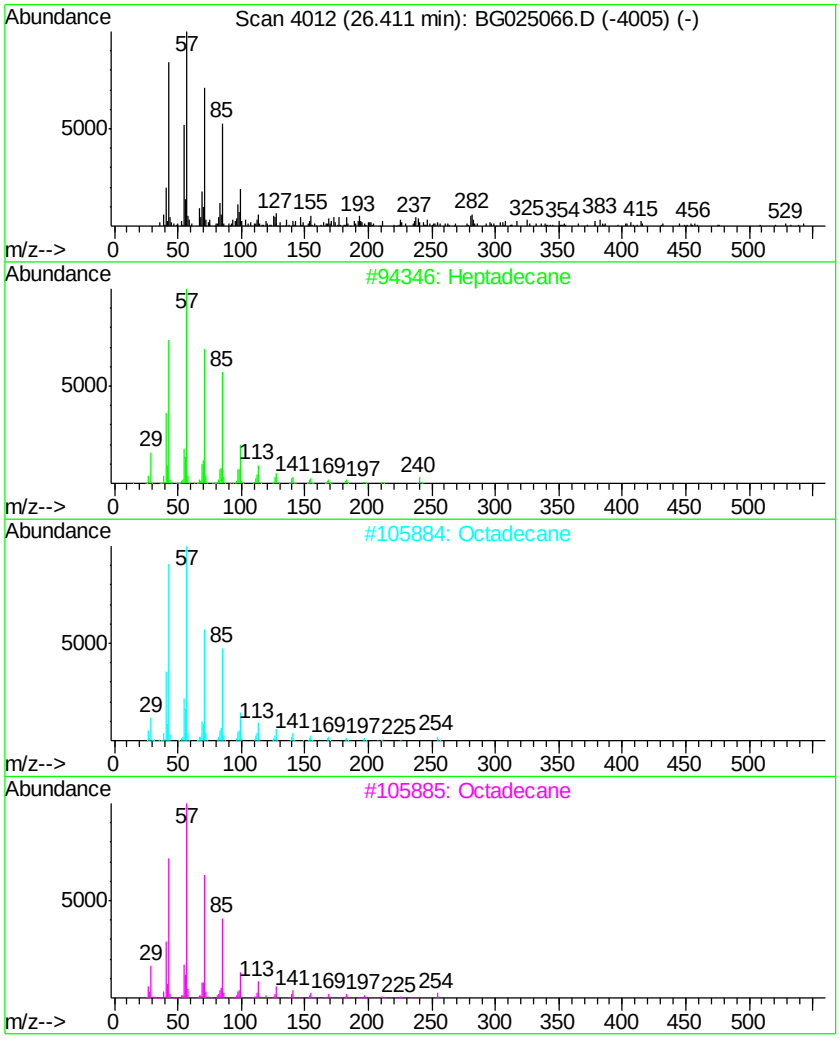
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

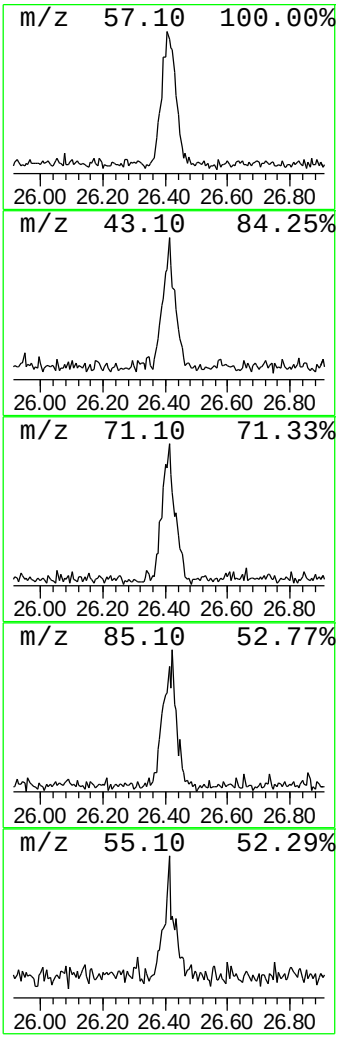
**********

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.41 | 4.02 ng/ul | 421004 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 95 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 81 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

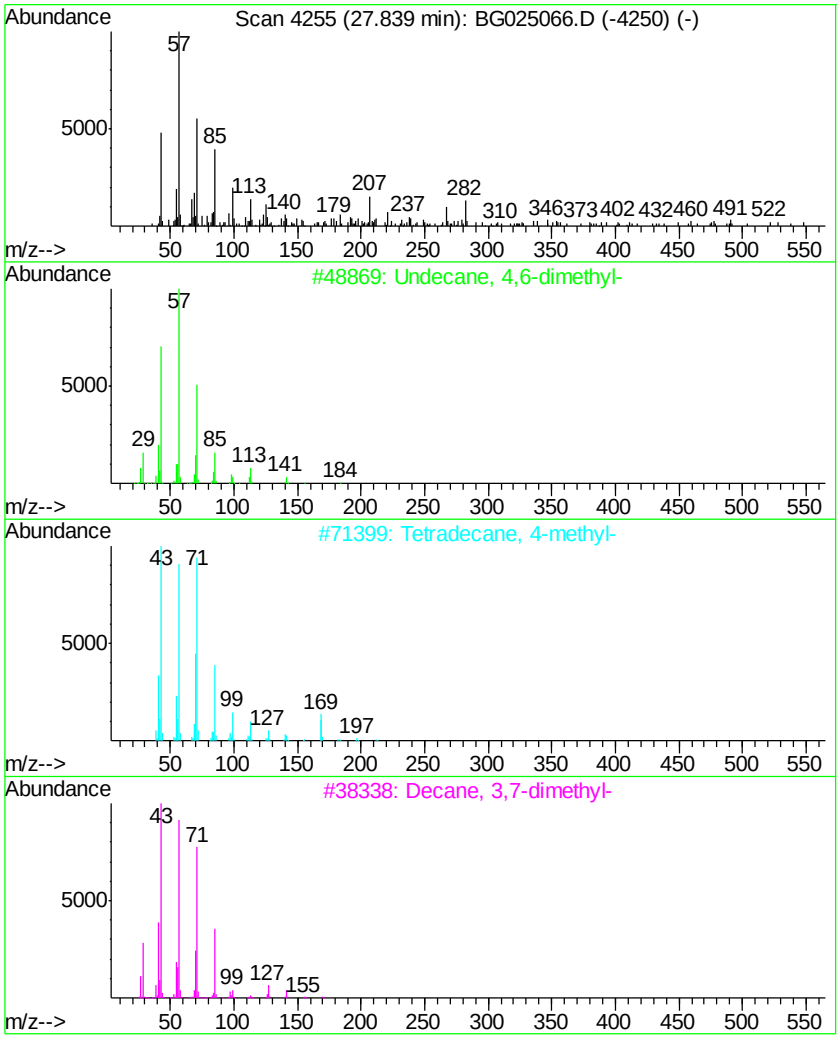
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

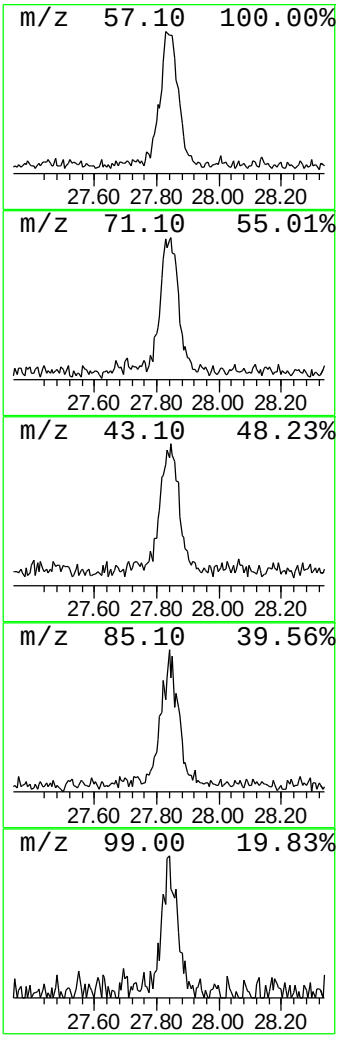
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.84 | 4.71 ng/ul | 492456 | Perylene-d12 | 25.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 4,6-dimethyl- | 184 | C13H28 | 017312-82-2 | 53 |
| 2 | Tetradecane, 4-methyl- | 212 | C15H32 | 025117-24-2 | 49 |
| 3 | Decane, 3,7-dimethyl- | 170 | C12H26 | 017312-54-8 | 47 |
| 4 | Nonane, 3-methyl-5-propyl- | 184 | C13H28 | 031081-18-2 | 47 |
| 5 | 2-Methyl-pentanoic acid [4-(2-me... | 368 | C18H28N2O4S | 1000296-31-0 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025066.D
Acq On : 10 Dec 2016 13:22
Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DA8B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1,3-dich... | 8.13 | 32.2 | ng/ul | 865584 | 1 | 8.24 | 537674 | 20.0 |
| unknown-01 | 8.81 | 5.5 | ng/ul | 147701 | 1 | 8.24 | 537674 | 20.0 |
| Benzene, 1,2,3-tr... | 10.92 | 20.5 | ng/ul | 825943 | 2 | 11.07 | 804590 | 20.0 |
| Resorcinol | 12.09 | 54.9 | ng/ul | 2206670 | 2 | 11.07 | 804590 | 20.0 |
| unknown-02 | 18.14 | 3.1 | ng/ul | 268208 | 4 | 17.60 | 1739740 | 20.0 |
| Malathion | 18.57 | 18.3 | ng/ul | 1592210 | 4 | 17.60 | 1739740 | 20.0 |
| 1,1-Dichloro-2,2-... | 21.04 | 33.6 | ng/ul | 3645690 | 5 | 21.89 | 2170900 | 20.0 |
| (DEL) Alkane: Str... | 24.23 | 2.2 | ng/ul | 228110 | 6 | 25.31 | 2092870 | 20.0 |
| (DEL) Alkane: Str... | 25.22 | 3.0 | ng/ul | 311964 | 6 | 25.31 | 2092870 | 20.0 |
| (DEL) Alkane: Str... | 26.41 | 4.0 | ng/ul | 421004 | 6 | 25.31 | 2092870 | 20.0 |
| (DEL) Alkane: Str... | 27.84 | 4.7 | ng/ul | 492456 | 6 | 25.31 | 2092870 | 20.0 |