LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.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 | 7.420 | 689 | 695 | 703 | rBV | 192746 | 314747 | 4.77% | 0.430% |
| 2 | 7.632 | 720 | 731 | 739 | rBV | 217025 | 380486 | 5.77% | 0.520% |
| 3 | 8.102 | 802 | 811 | 817 | rBV | 226925 | 401279 | 6.08% | 0.548% |
| 4 | 8.484 | 868 | 876 | 883 | rBV | 1352957 | 2308895 | 34.99% | 3.154% |
| 5 | 8.643 | 897 | 903 | 912 | rVB | 367539 | 633985 | 9.61% | 0.866% |
| 6 | 8.795 | 924 | 929 | 939 | rVB | 168931 | 301118 | 4.56% | 0.411% |
| 7 | 8.948 | 945 | 955 | 962 | rVB | 254284 | 441547 | 6.69% | 0.603% |
| 8 | 9.265 | 1003 | 1009 | 1019 | rVB2 | 258402 | 522771 | 7.92% | 0.714% |
| 9 | 9.524 | 1048 | 1053 | 1057 | rVV | 105968 | 174860 | 2.65% | 0.239% |
| 10 | 9.588 | 1057 | 1064 | 1070 | rVV | 163594 | 338647 | 5.13% | 0.463% |
| 11 | 9.988 | 1124 | 1132 | 1139 | rBV2 | 239469 | 423923 | 6.42% | 0.579% |
| 12 | 10.106 | 1143 | 1152 | 1157 | rVV | 98286 | 183827 | 2.79% | 0.251% |
| 13 | 10.164 | 1157 | 1162 | 1173 | rVB3 | 59694 | 135660 | 2.06% | 0.185% |
| 14 | 10.311 | 1177 | 1187 | 1196 | rBV4 | 143792 | 364782 | 5.53% | 0.498% |
| 15 | 10.529 | 1217 | 1224 | 1231 | rVV | 336672 | 634012 | 9.61% | 0.866% |
| 16 | 10.916 | 1281 | 1290 | 1293 | rVV | 275485 | 513077 | 7.78% | 0.701% |
| 17 | 10.975 | 1293 | 1300 | 1307 | rVV | 3557872 | 6598547 | 100.00% | 9.015% |
| 18 | 11.051 | 1307 | 1313 | 1315 | rVV | 345284 | 589313 | 8.93% | 0.805% |
| 19 | 11.087 | 1315 | 1319 | 1328 | rVV | 610617 | 1094420 | 16.59% | 1.495% |
| 20 | 11.492 | 1383 | 1388 | 1397 | rVV | 165564 | 342126 | 5.18% | 0.467% |
| 21 | 12.015 | 1473 | 1477 | 1487 | rVV3 | 117668 | 225000 | 3.41% | 0.307% |
| 22 | 12.297 | 1519 | 1525 | 1530 | rVB4 | 74170 | 161064 | 2.44% | 0.220% |
| 23 | 12.456 | 1547 | 1552 | 1556 | rVV2 | 129058 | 251079 | 3.81% | 0.343% |
| 24 | 12.561 | 1565 | 1570 | 1577 | rVV3 | 131022 | 339784 | 5.15% | 0.464% |
| 25 | 12.650 | 1581 | 1585 | 1596 | rVB3 | 225951 | 462818 | 7.01% | 0.632% |
| 26 | 12.779 | 1596 | 1607 | 1617 | rVB | 794016 | 1474098 | 22.34% | 2.014% |
| 27 | 12.873 | 1617 | 1623 | 1628 | rBV2 | 102373 | 170936 | 2.59% | 0.234% |
| 28 | 12.932 | 1628 | 1633 | 1644 | rVV9 | 51612 | 130746 | 1.98% | 0.179% |
| 29 | 13.143 | 1662 | 1669 | 1673 | rBV5 | 67590 | 137821 | 2.09% | 0.188% |
| 30 | 13.237 | 1681 | 1685 | 1694 | rVV2 | 76410 | 150425 | 2.28% | 0.206% |
| 31 | 13.513 | 1727 | 1732 | 1734 | rVV | 103403 | 173649 | 2.63% | 0.237% |
| 32 | 13.560 | 1734 | 1740 | 1750 | rVB | 598633 | 1102535 | 16.71% | 1.506% |
| 33 | 13.778 | 1766 | 1777 | 1784 | rVB4 | 138900 | 374590 | 5.68% | 0.512% |
| 34 | 13.860 | 1784 | 1791 | 1794 | rBV | 174217 | 315883 | 4.79% | 0.432% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.907 | 1794 | 1799 | 1805 | rVB7 | 133618 | 312491 | 4.74% | 0.427% |
| 36 | 13.983 | 1805 | 1812 | 1817 | rBV3 | 85118 | 161054 | 2.44% | 0.220% |
| 37 | 14.048 | 1817 | 1823 | 1828 | rVV | 213349 | 388764 | 5.89% | 0.531% |
| 38 | 14.124 | 1828 | 1836 | 1842 | rVV | 645462 | 1053356 | 15.96% | 1.439% |
| 39 | 14.212 | 1846 | 1851 | 1857 | rVV | 184787 | 278427 | 4.22% | 0.380% |
| 40 | 14.283 | 1857 | 1863 | 1866 | rVV2 | 101588 | 177938 | 2.70% | 0.243% |
| 41 | 14.418 | 1879 | 1886 | 1897 | rVB | 666604 | 1325116 | 20.08% | 1.810% |
| 42 | 14.730 | 1924 | 1939 | 1944 | rBV2 | 484737 | 934227 | 14.16% | 1.276% |
| 43 | 14.794 | 1944 | 1950 | 1955 | rVV | 2599319 | 3804112 | 57.65% | 5.197% |
| 44 | 14.853 | 1955 | 1960 | 1965 | rVV | 577347 | 854432 | 12.95% | 1.167% |
| 45 | 14.900 | 1965 | 1968 | 1979 | rVB2 | 184819 | 353822 | 5.36% | 0.483% |
| 46 | 14.994 | 1979 | 1984 | 1989 | rBV2 | 108972 | 205824 | 3.12% | 0.281% |
| 47 | 15.070 | 1994 | 1997 | 2000 | rVV3 | 80874 | 137498 | 2.08% | 0.188% |
| 48 | 15.123 | 2000 | 2006 | 2013 | rVB | 1679871 | 2606094 | 39.49% | 3.560% |
| 49 | 15.200 | 2014 | 2019 | 2026 | rVB2 | 171696 | 271266 | 4.11% | 0.371% |
| 50 | 15.581 | 2080 | 2084 | 2090 | rVB | 110625 | 169199 | 2.56% | 0.231% |
| 51 | 15.717 | 2097 | 2107 | 2111 | rVV | 893437 | 1406822 | 21.32% | 1.922% |
| 52 | 15.775 | 2111 | 2117 | 2122 | rVV | 1502223 | 2313419 | 35.06% | 3.161% |
| 53 | 15.828 | 2122 | 2126 | 2131 | rVV | 361036 | 591912 | 8.97% | 0.809% |
| 54 | 15.899 | 2131 | 2138 | 2146 | rVV3 | 475939 | 1173825 | 17.79% | 1.604% |
| 55 | 15.993 | 2146 | 2154 | 2162 | rVV4 | 386840 | 1131523 | 17.15% | 1.546% |
| 56 | 16.063 | 2162 | 2166 | 2174 | rVB2 | 96332 | 186361 | 2.82% | 0.255% |
| 57 | 16.140 | 2174 | 2179 | 2182 | rBV2 | 193559 | 338183 | 5.13% | 0.462% |
| 58 | 16.181 | 2182 | 2186 | 2199 | rVB5 | 221488 | 629408 | 9.54% | 0.860% |
| 59 | 16.445 | 2224 | 2231 | 2238 | rVB3 | 215437 | 398301 | 6.04% | 0.544% |
| 60 | 16.563 | 2245 | 2251 | 2259 | rBV3 | 66172 | 166814 | 2.53% | 0.228% |
| 61 | 16.639 | 2259 | 2264 | 2269 | rVV | 146153 | 259408 | 3.93% | 0.354% |
| 62 | 16.721 | 2272 | 2278 | 2283 | rVV | 767816 | 1220296 | 18.49% | 1.667% |
| 63 | 16.768 | 2283 | 2286 | 2290 | rVV3 | 85239 | 144909 | 2.20% | 0.198% |
| 64 | 16.821 | 2290 | 2295 | 2300 | rVB2 | 84927 | 160104 | 2.43% | 0.219% |
| 65 | 16.980 | 2315 | 2322 | 2329 | rVV4 | 178900 | 425254 | 6.44% | 0.581% |
| 66 | 17.115 | 2339 | 2345 | 2351 | rVB6 | 70560 | 141179 | 2.14% | 0.193% |
| 67 | 17.244 | 2362 | 2367 | 2371 | rVV | 311837 | 534371 | 8.10% | 0.730% |
| 68 | 17.285 | 2371 | 2374 | 2381 | rVV | 244972 | 424783 | 6.44% | 0.580% |
| 69 | 17.356 | 2381 | 2386 | 2389 | rVV | 195434 | 351706 | 5.33% | 0.481% |
| 70 | 17.415 | 2393 | 2396 | 2400 | rVV | 175637 | 271798 | 4.12% | 0.371% |
| 71 | 17.467 | 2400 | 2405 | 2409 | rVV2 | 678224 | 1189440 | 18.03% | 1.625% |

LSC Area Percent Report

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Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.514 | 2409 | 2413 | 2418 | rVV2 | 1569489 | 2452736 | 37.17% | 3.351% |
| 73 | 17.567 | 2418 | 2422 | 2426 | rVV | 1026833 | 1616456 | 24.50% | 2.208% |
| 74 | 17.603 | 2426 | 2428 | 2434 | rVV | 233802 | 307913 | 4.67% | 0.421% |
| 75 | 17.667 | 2434 | 2439 | 2449 | rVB3 | 116418 | 231908 | 3.51% | 0.317% |
| 76 | 17.832 | 2457 | 2467 | 2469 | rBV3 | 349032 | 597478 | 9.05% | 0.816% |
| 77 | 17.879 | 2469 | 2475 | 2483 | rVV | 2856086 | 4585907 | 69.50% | 6.265% |
| 78 | 17.961 | 2483 | 2489 | 2495 | rVV | 617653 | 1056143 | 16.01% | 1.443% |
| 79 | 18.026 | 2495 | 2500 | 2507 | rVV | 1078680 | 1720814 | 26.08% | 2.351% |
| 80 | 18.114 | 2508 | 2515 | 2521 | rVV3 | 150279 | 388379 | 5.89% | 0.531% |
| 81 | 18.167 | 2521 | 2524 | 2528 | rVV3 | 81862 | 139196 | 2.11% | 0.190% |
| 82 | 18.214 | 2528 | 2532 | 2541 | rVV5 | 143651 | 314390 | 4.76% | 0.430% |
| 83 | 18.302 | 2541 | 2547 | 2552 | rVV | 317704 | 528188 | 8.00% | 0.722% |
| 84 | 18.349 | 2552 | 2555 | 2558 | rVV3 | 186238 | 273151 | 4.14% | 0.373% |
| 85 | 18.384 | 2558 | 2561 | 2569 | rVV2 | 250154 | 637484 | 9.66% | 0.871% |
| 86 | 18.460 | 2569 | 2574 | 2580 | rVV | 570308 | 854769 | 12.95% | 1.168% |
| 87 | 18.537 | 2580 | 2587 | 2595 | rVV4 | 144272 | 301186 | 4.56% | 0.411% |
| 88 | 18.613 | 2595 | 2600 | 2609 | rVV2 | 161477 | 474815 | 7.20% | 0.649% |
| 89 | 18.678 | 2609 | 2611 | 2615 | rVV | 123027 | 175831 | 2.66% | 0.240% |
| 90 | 18.772 | 2622 | 2627 | 2632 | rVV2 | 169292 | 294299 | 4.46% | 0.402% |
| 91 | 18.831 | 2632 | 2637 | 2642 | rVB | 142289 | 241917 | 3.67% | 0.331% |
| 92 | 19.512 | 2748 | 2753 | 2758 | rVV | 119368 | 190235 | 2.88% | 0.260% |
| 93 | 19.612 | 2768 | 2770 | 2782 | rVV4 | 109286 | 233392 | 3.54% | 0.319% |
| 94 | 19.847 | 2803 | 2810 | 2825 | rVB | 1302290 | 2144096 | 32.49% | 2.929% |
| 95 | 20.247 | 2873 | 2878 | 2883 | rBV | 97907 | 149804 | 2.27% | 0.205% |
| 96 | 20.305 | 2883 | 2888 | 2893 | rVV | 207390 | 272957 | 4.14% | 0.373% |
| 97 | 21.375 | 3067 | 3070 | 3085 | rVB3 | 61166 | 136735 | 2.07% | 0.187% |
| 98 | 21.739 | 3125 | 3132 | 3140 | rBV | 686290 | 1166923 | 17.68% | 1.594% |
| 99 | 24.777 | 3638 | 3649 | 3661 | rVB | 682172 | 1848650 | 28.02% | 2.526% |
| 100 | 25.006 | 3677 | 3688 | 3703 | rVB2 | 409060 | 1197026 | 18.14% | 1.635% |

Sum of corrected areas: 73194664

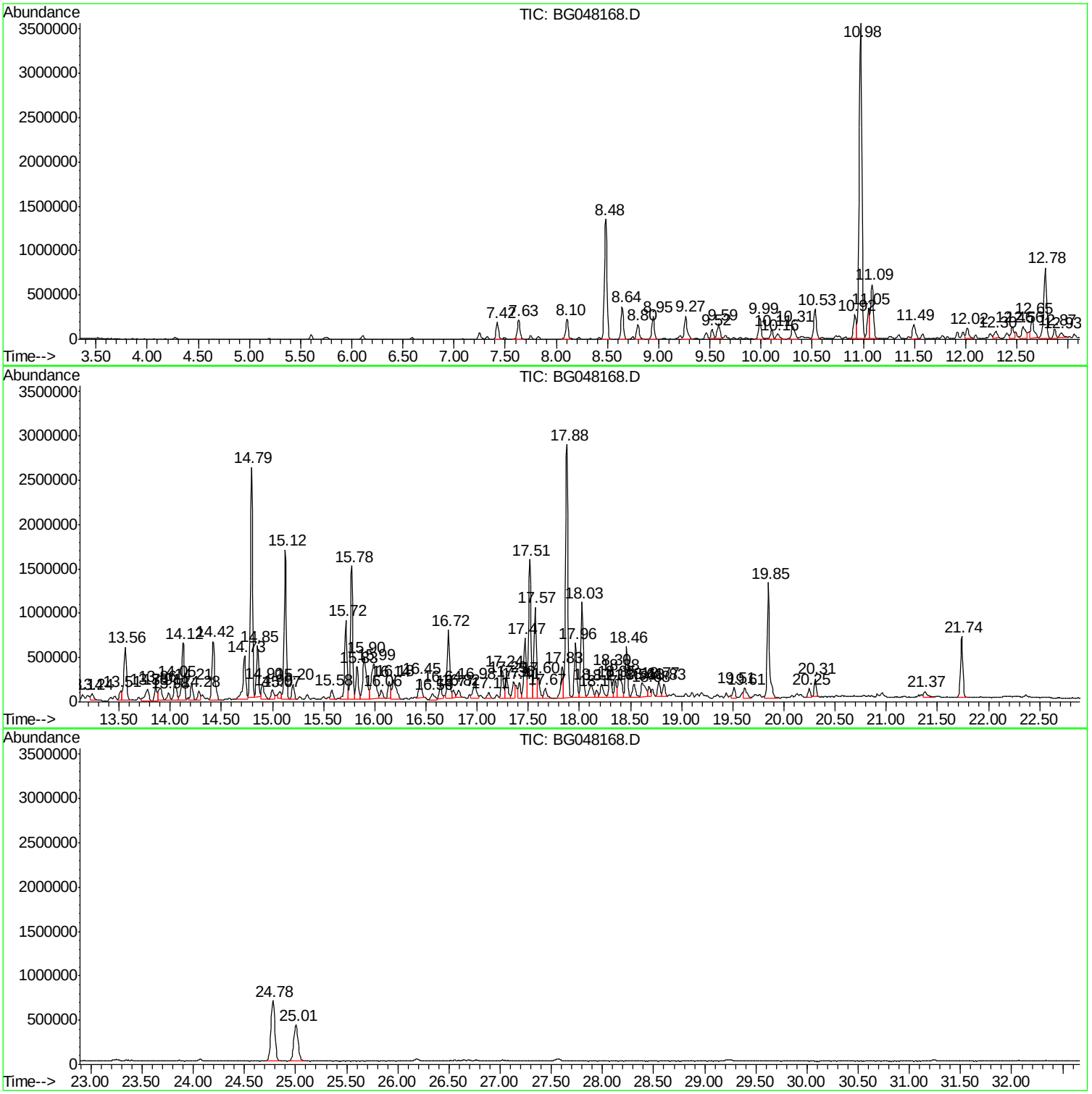
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

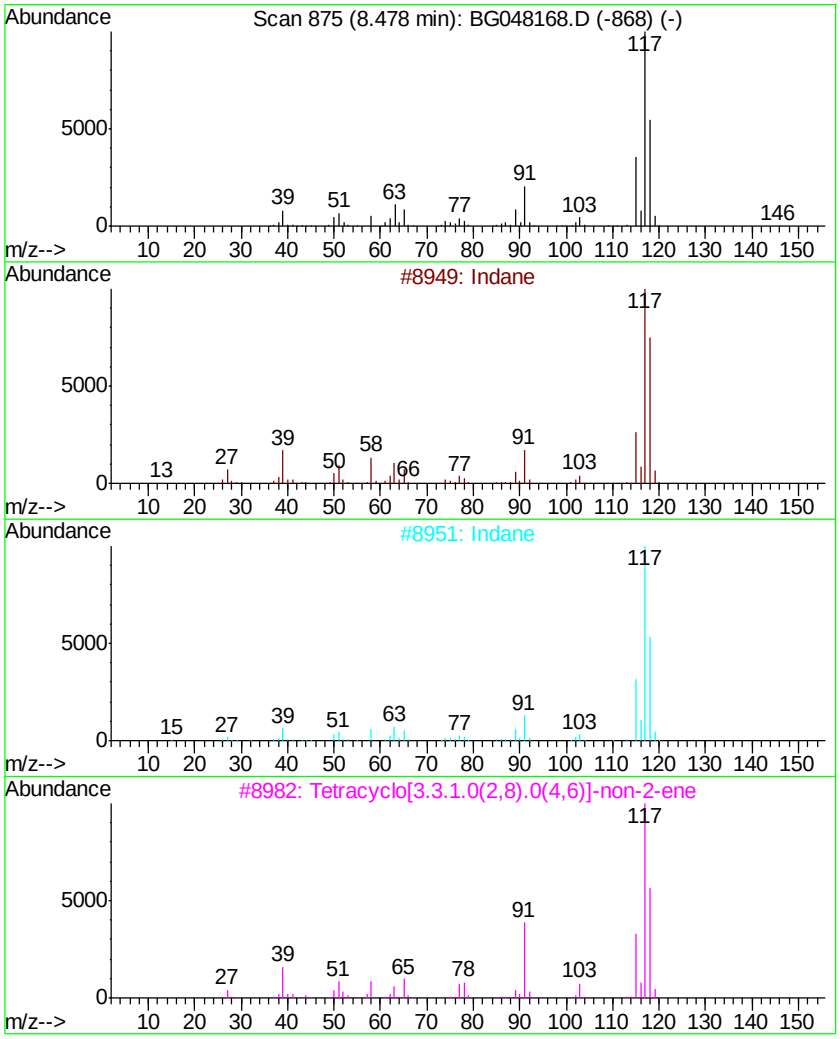
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

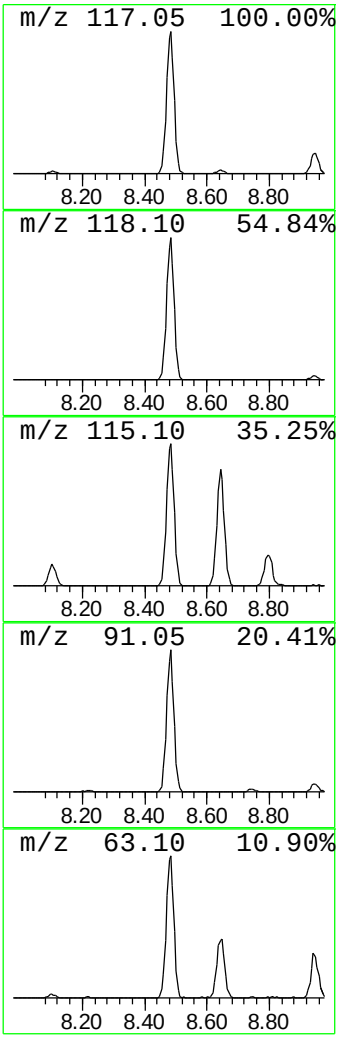
**********

Peak Number 1 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.48 | 115.08 ng/ul | 2308900 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 3 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 74 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 64 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

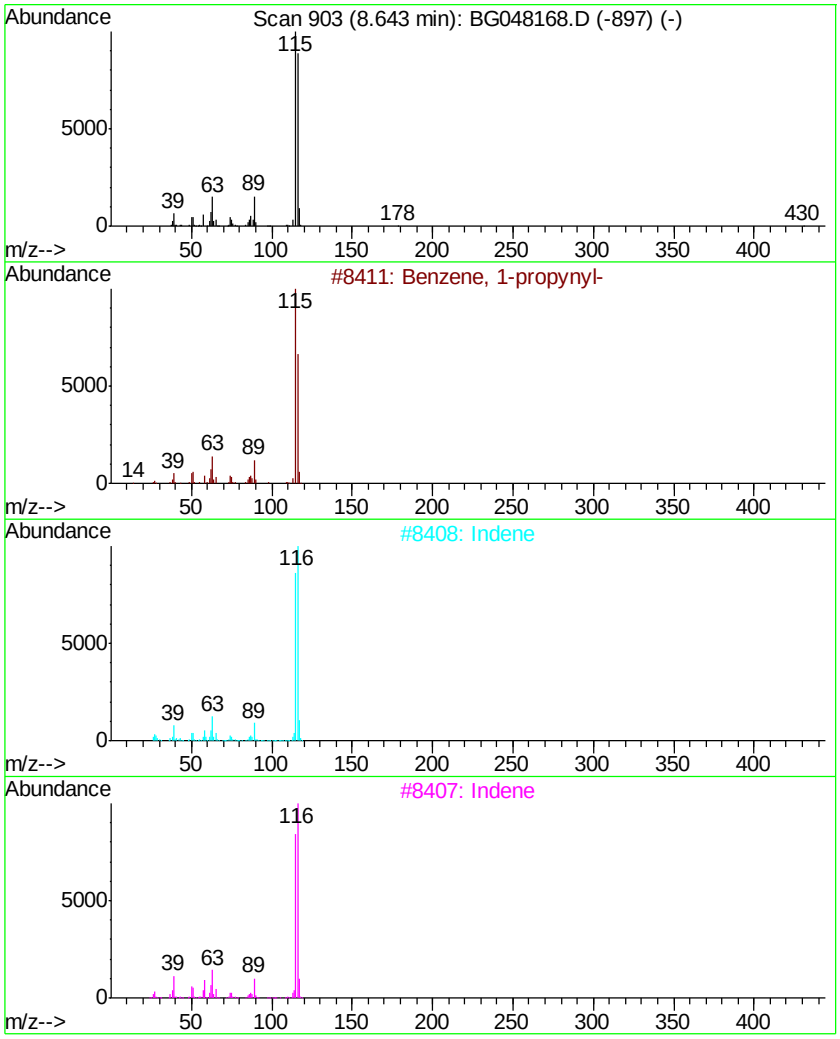
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

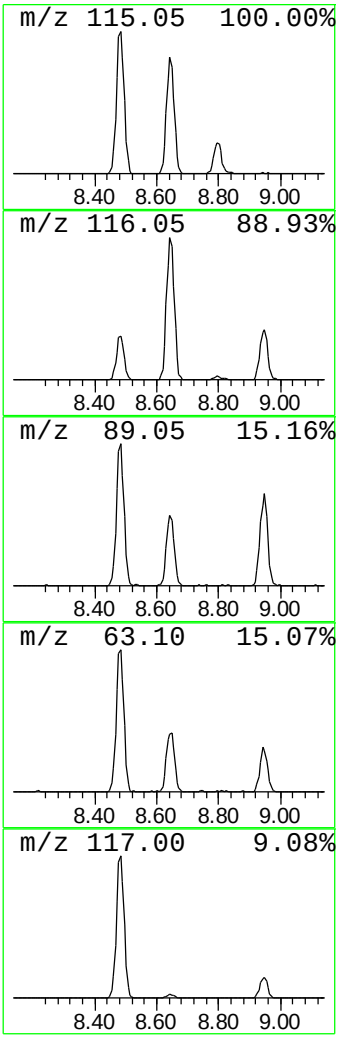
**********

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.64 | 31.60 ng/ul | 633985 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 97 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 91 |
| 4 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |
| 5 | Indene | 116 | C9H8 | 000095-13-6 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

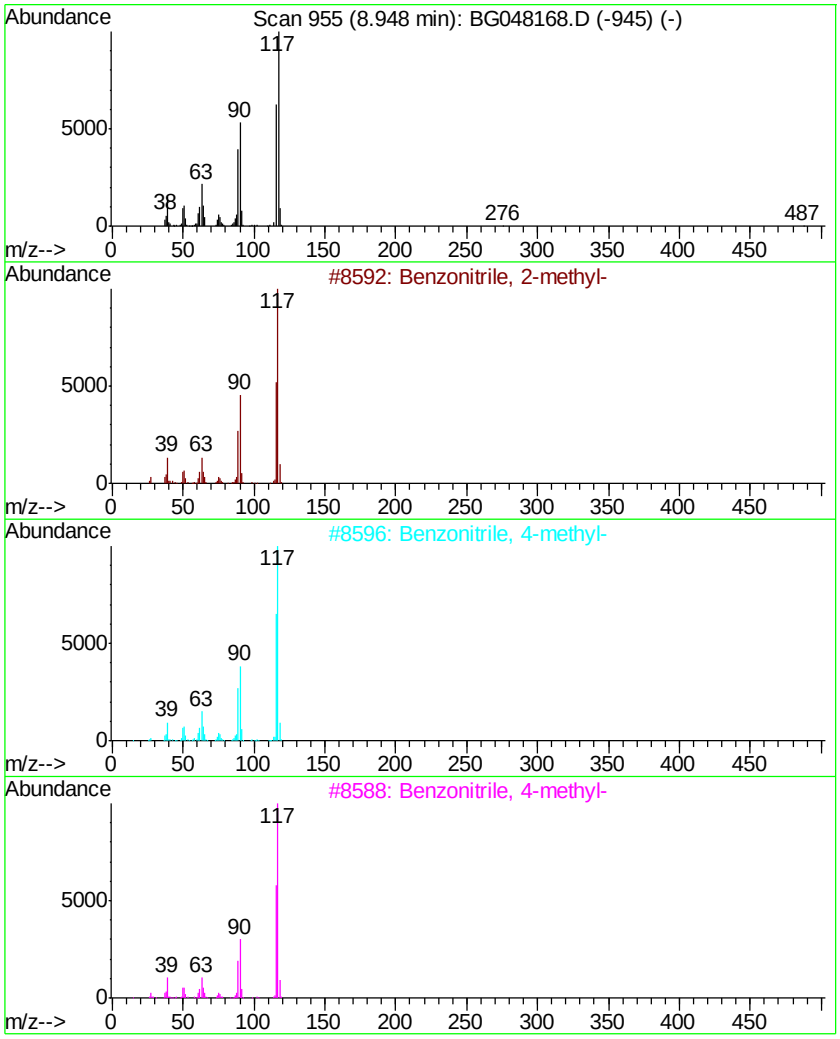
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

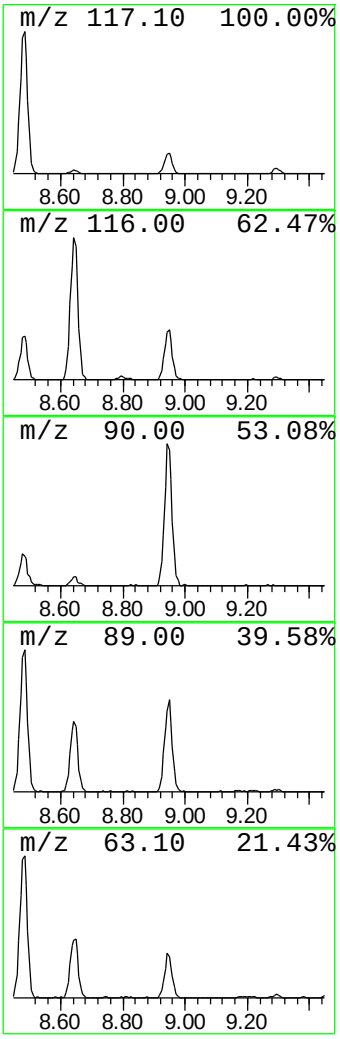
**********

Peak Number 3 Benzonitrile, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.95 | 22.01 ng/ul | 441547 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzonitrile, 2-methyl- | 117 | C8H7N | 000529-19-1 | 97 |
| 2 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 97 |
| 3 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 97 |
| 4 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 97 |
| 5 | Benzonitrile, 4-methyl- | 117 | C8H7N | 000104-85-8 | 97 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

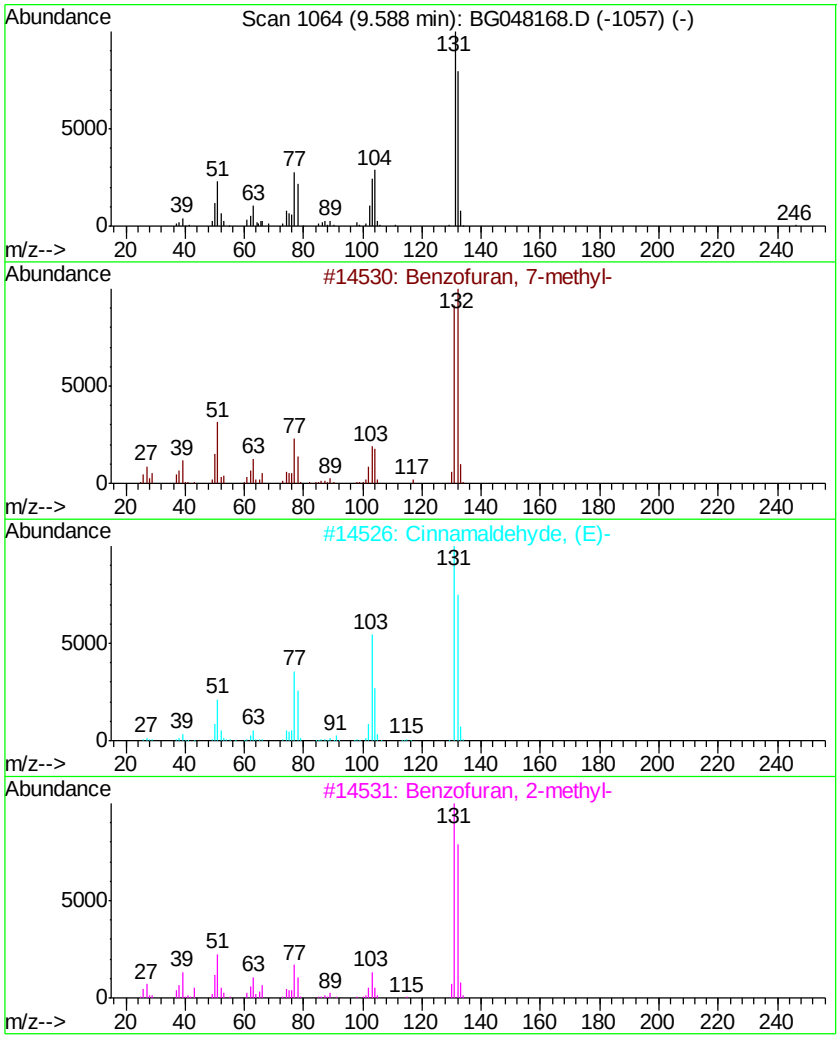
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

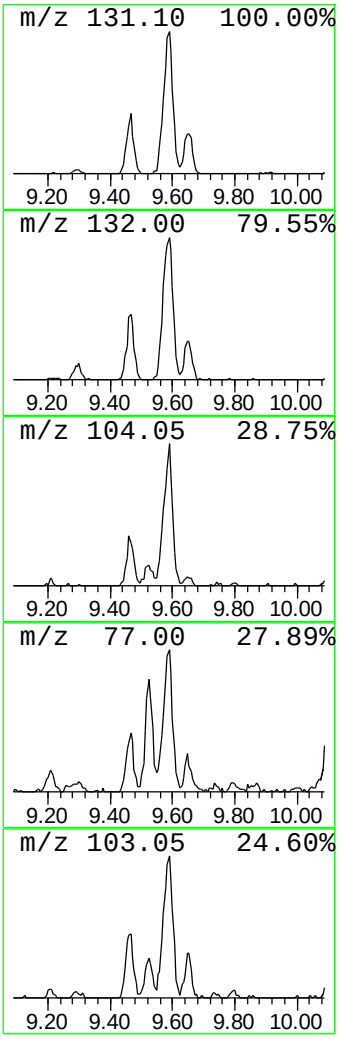
**********

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.59 | 13.20 ng/ul | 338647 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 94 |
| 2 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 93 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 5 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

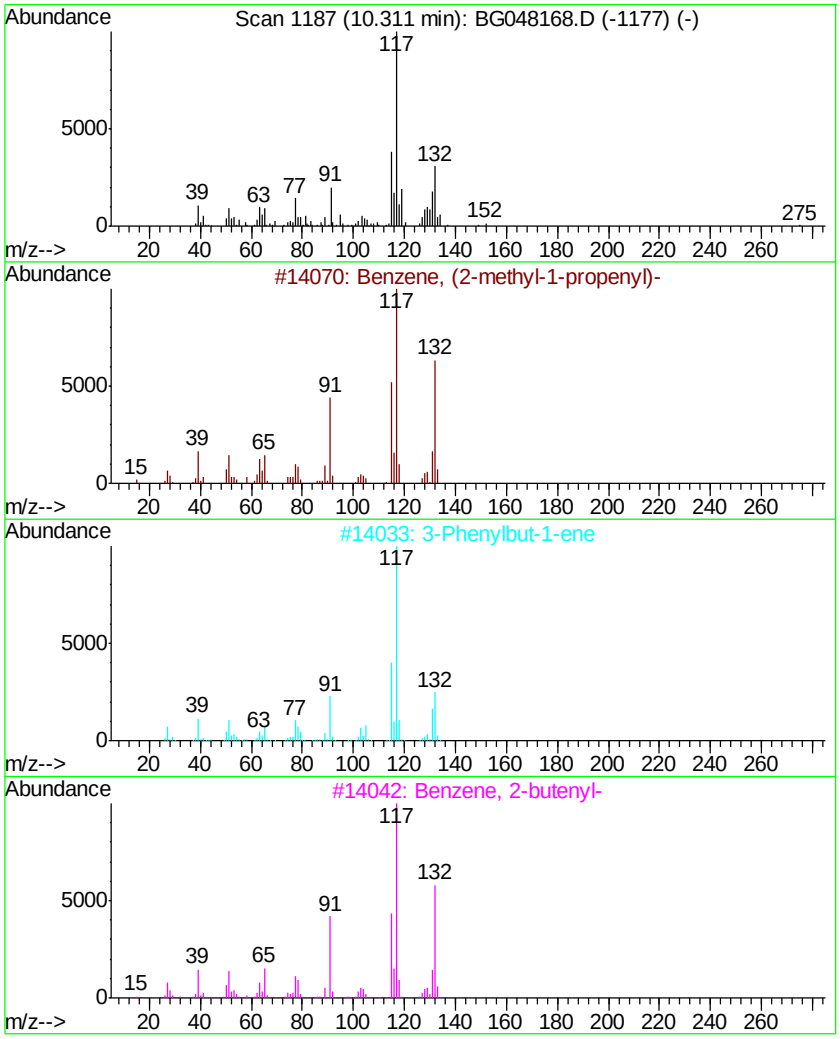
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

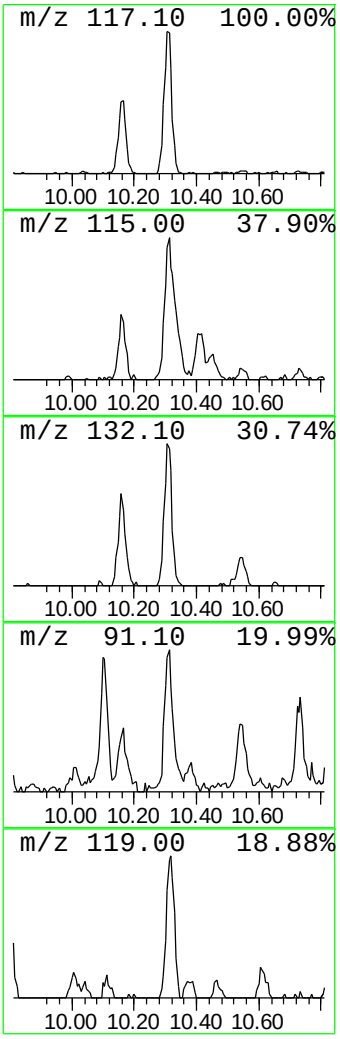
**********

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.31 | 14.22 ng/ul | 364782 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 87 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

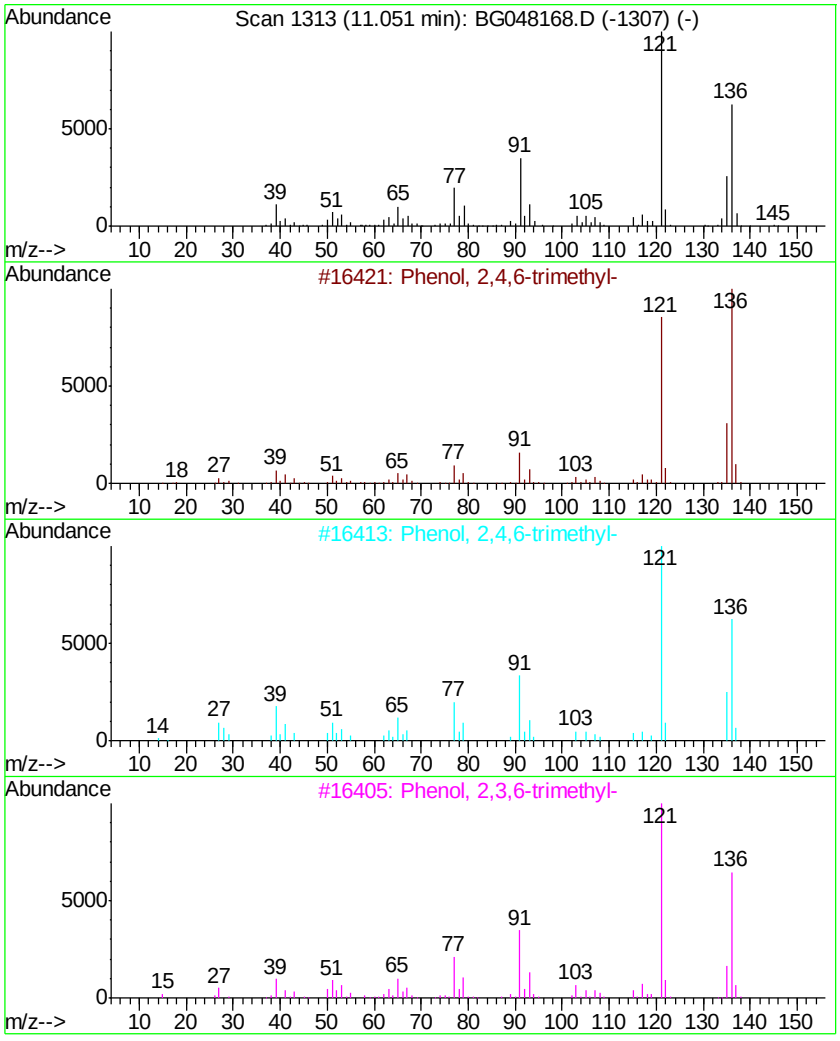
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

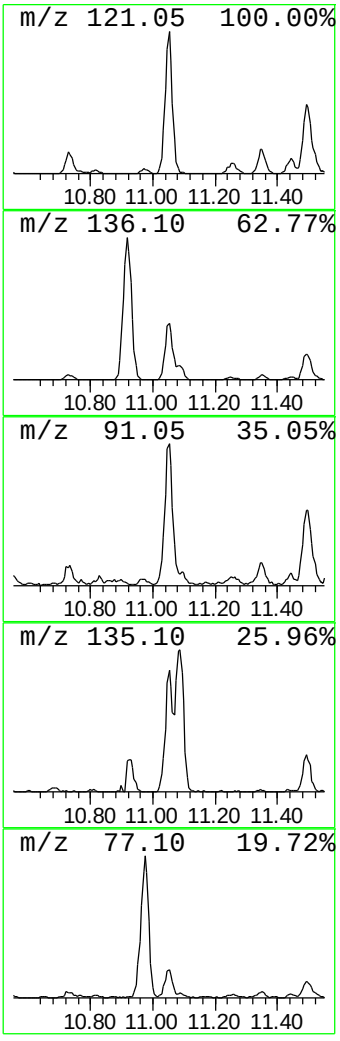
**********

Peak Number 8 Phenol, 2,4,6-trimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.05 | 22.97 ng/ul | 589313 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 97 |
| 2 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 96 |
| 3 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 95 |
| 4 | Phenol, 2,3,5-trimethyl- | 136 | C9H12O | 000697-82-5 | 94 |
| 5 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 93 |



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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

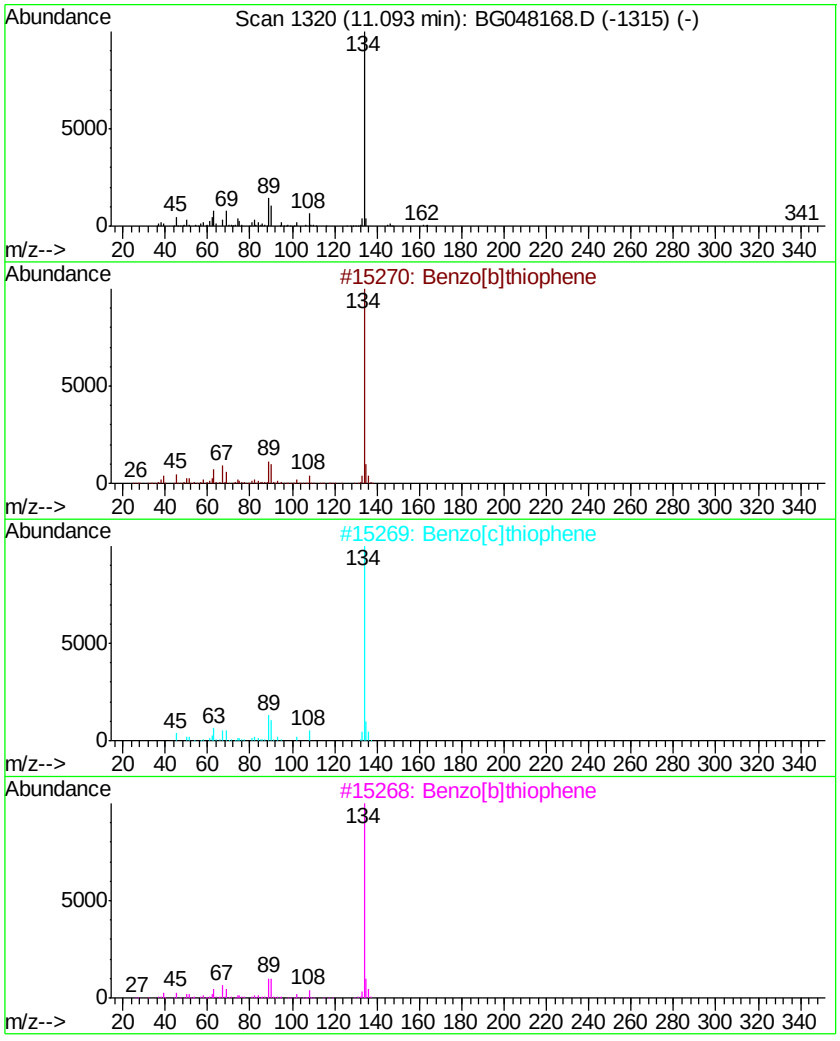
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

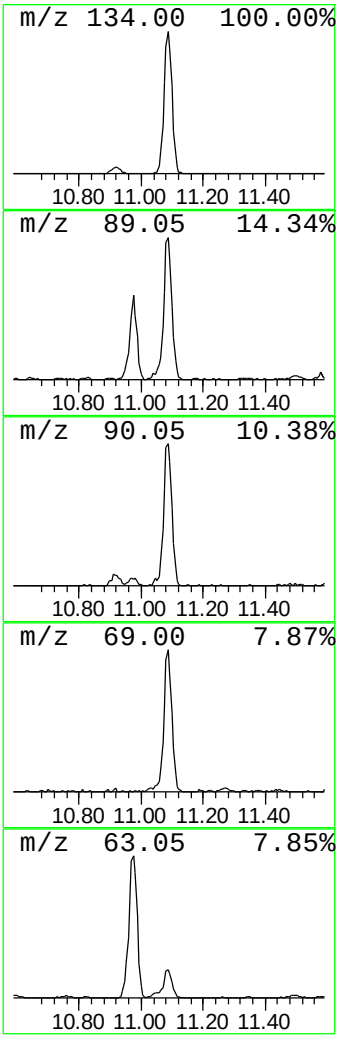
**********

Peak Number 9 Benzo[b]thiophene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.09 | 42.66 ng/ul | 1094420 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 90 |
| 2 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 87 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 87 |
| 4 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 83 |
| 5 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 83 |



# Library Search Compound Report

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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

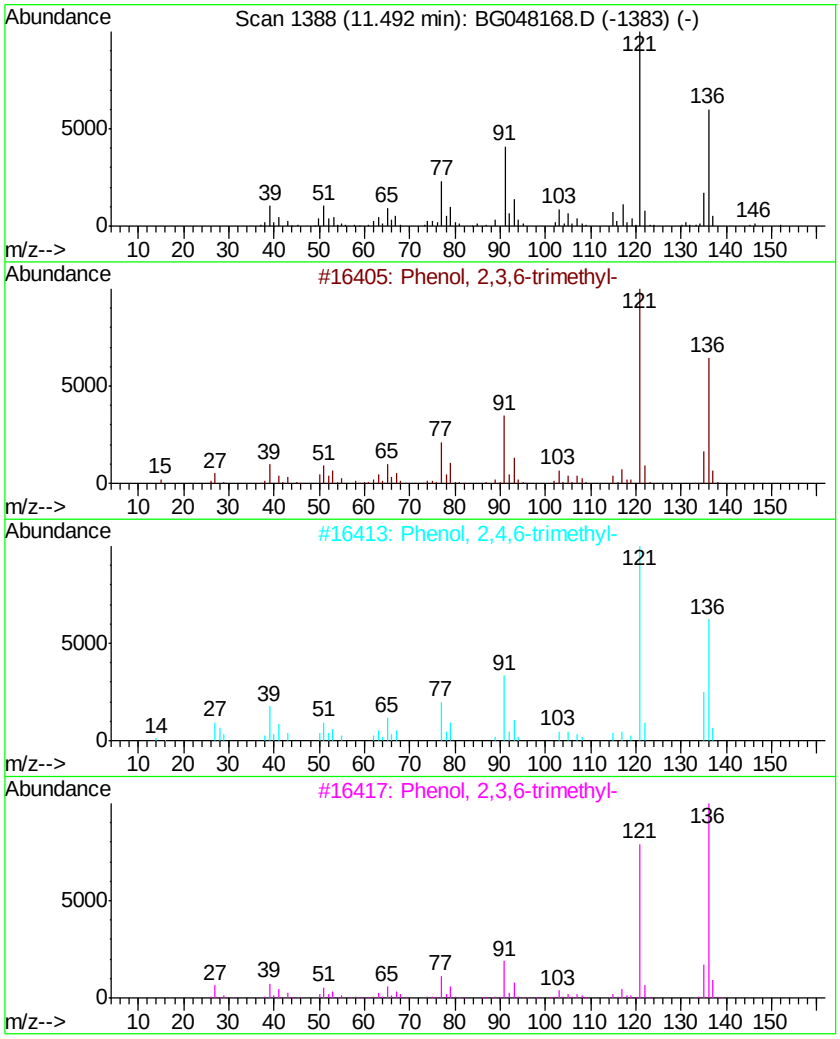
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

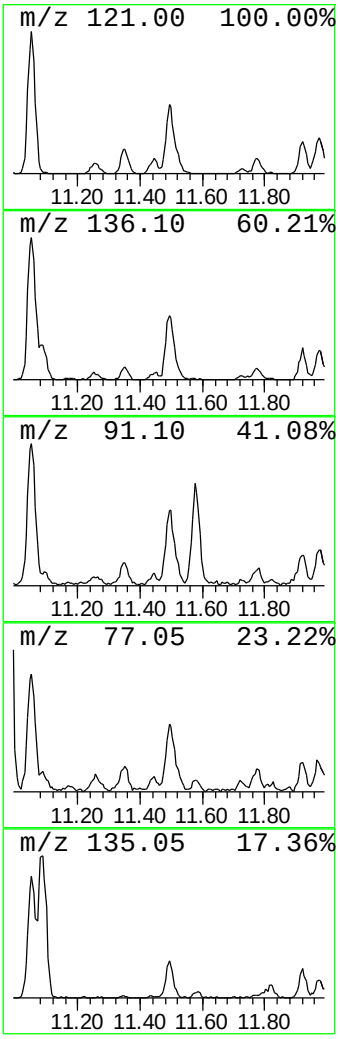
**********

Peak Number 10 Phenol, 2,3,6-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.49 | 13.34 ng/ul | 342126 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 96 |
| 2 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 94 |
| 3 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 94 |
| 4 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 94 |
| 5 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 94 |



# Library Search Compound Report

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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

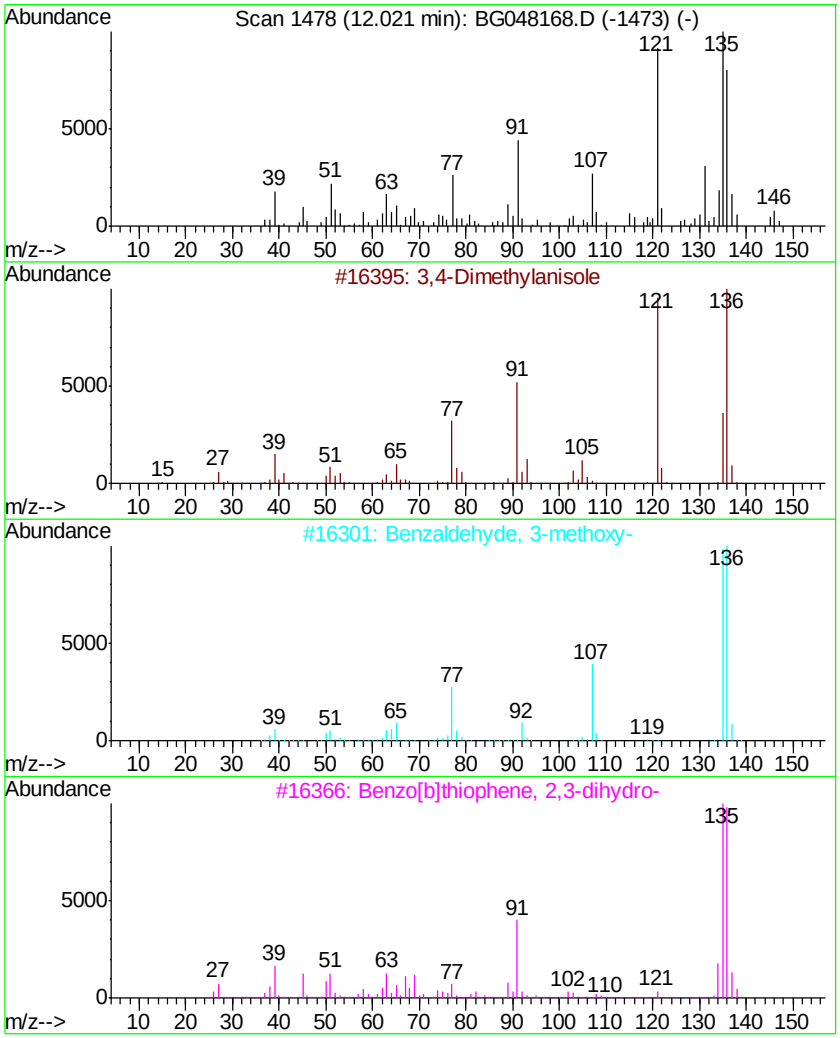
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

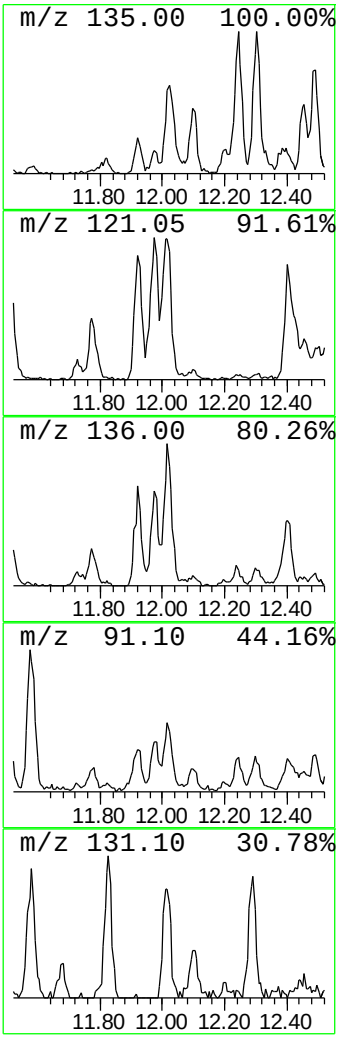
**********

Peak Number 11 3,4-Dimethylanisole Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.02 | 8.77 ng/ul | 225000 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4-Dimethylanisole | 136 | C9H12O | 004685-47-6 | 60 |
| 2 | Benzaldehyde, 3-methoxy- | 136 | C8H8O2 | 000591-31-1 | 60 |
| 3 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 55 |
| 4 | 2-Hydroxy-3-methylbenzaldehyde | 136 | C8H8O2 | 000824-42-0 | 53 |
| 5 | 2,5-Dimethylanisole | 136 | C9H12O | 001706-11-2 | 53 |



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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

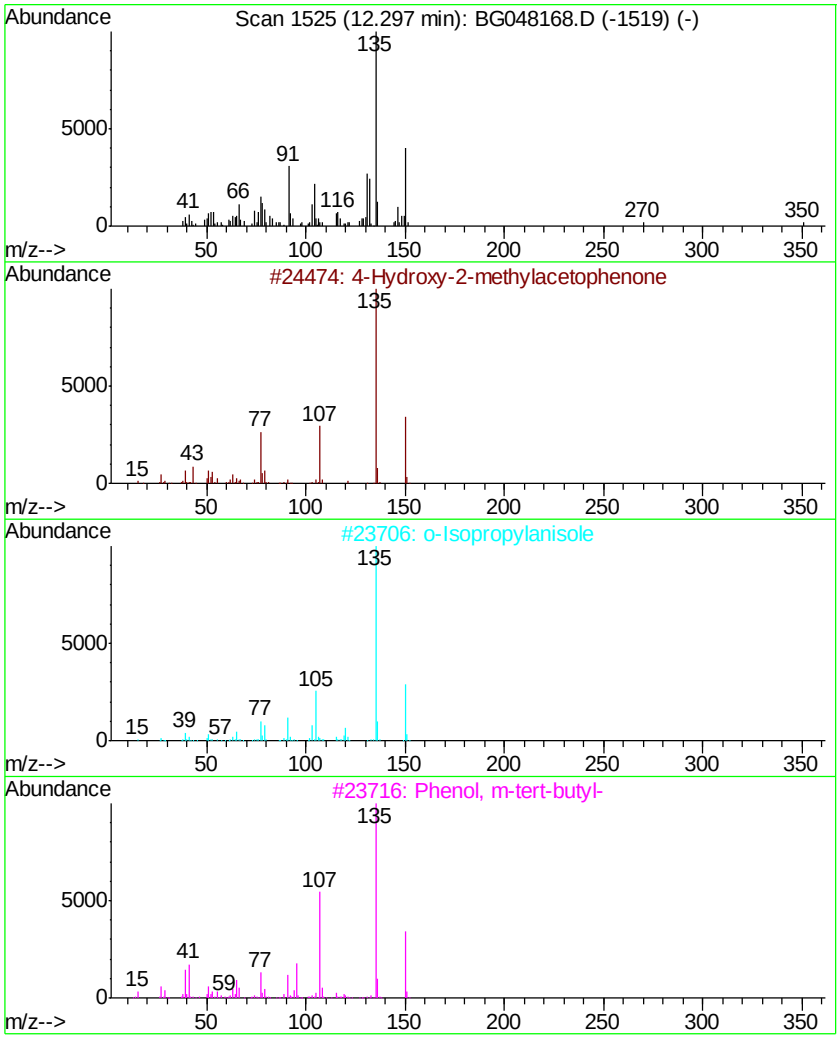
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

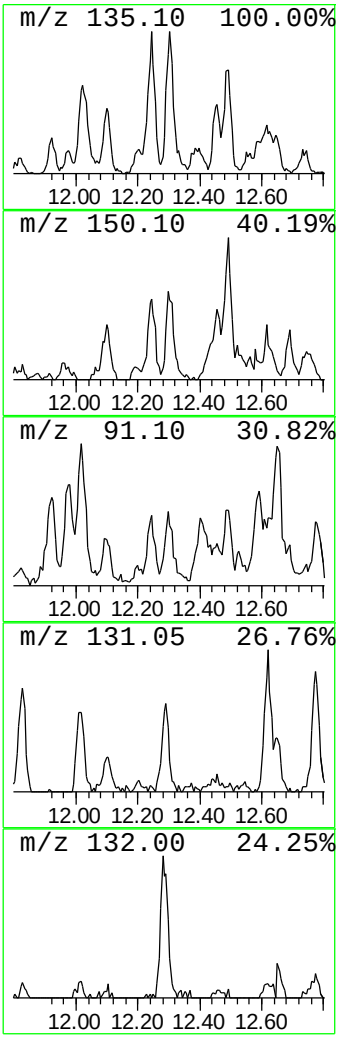
**********

Peak Number 12 4-Hydroxy-2-methylacetophenone Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 6.28 ng/ul | 161064 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Hydroxy-2-methylacetophenone | 150 | C9H10O2 | 000875-59-2 | 53 |
| 2 | o-Isopropylanisole | 150 | C10H14O | 002944-47-0 | 49 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 49 |
| 4 | 3-Methoxyacetophenone | 150 | C9H10O2 | 000586-37-8 | 49 |
| 5 | 4-Hydroxy-3-methylacetophenone | 150 | C9H10O2 | 000876-02-8 | 47 |



# Library Search Compound Report

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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

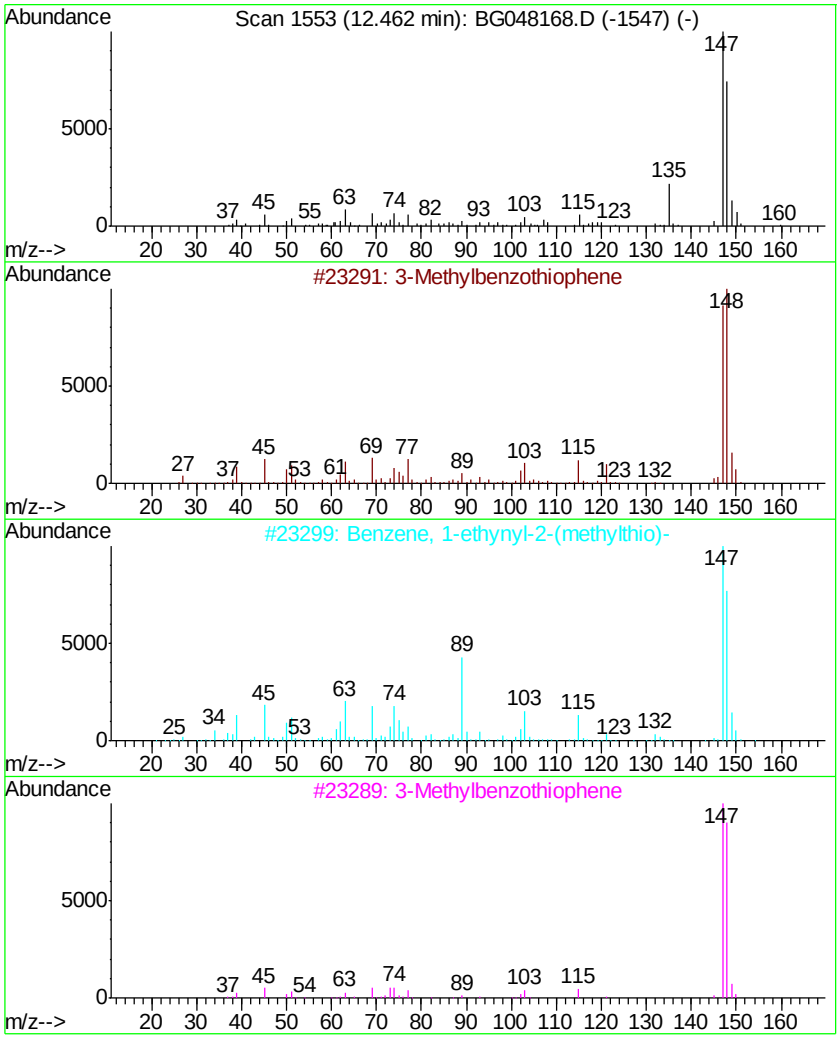
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

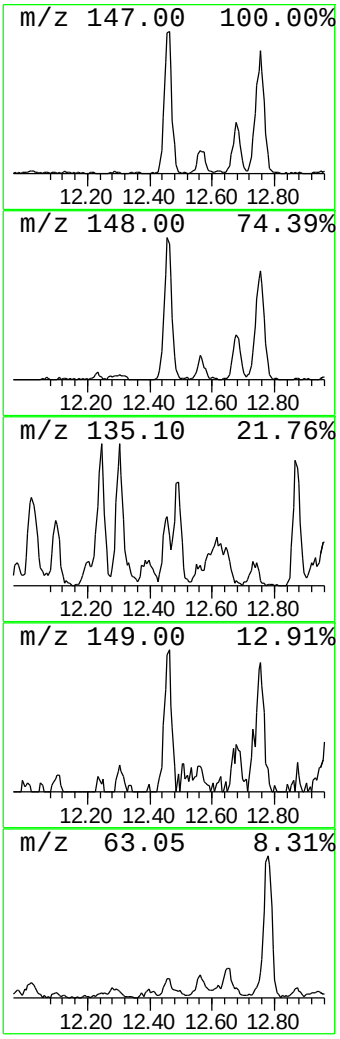
**********

Peak Number 13 3-Methylbenzothiophene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.46 | 9.79 ng/ul | 251079 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 87 |
| 2 | Benzene, 1-ethynyl-2-(methylthio)- | 148 | C9H8S | 078905-08-5 | 80 |
| 3 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 74 |
| 4 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 74 |
| 5 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 74 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

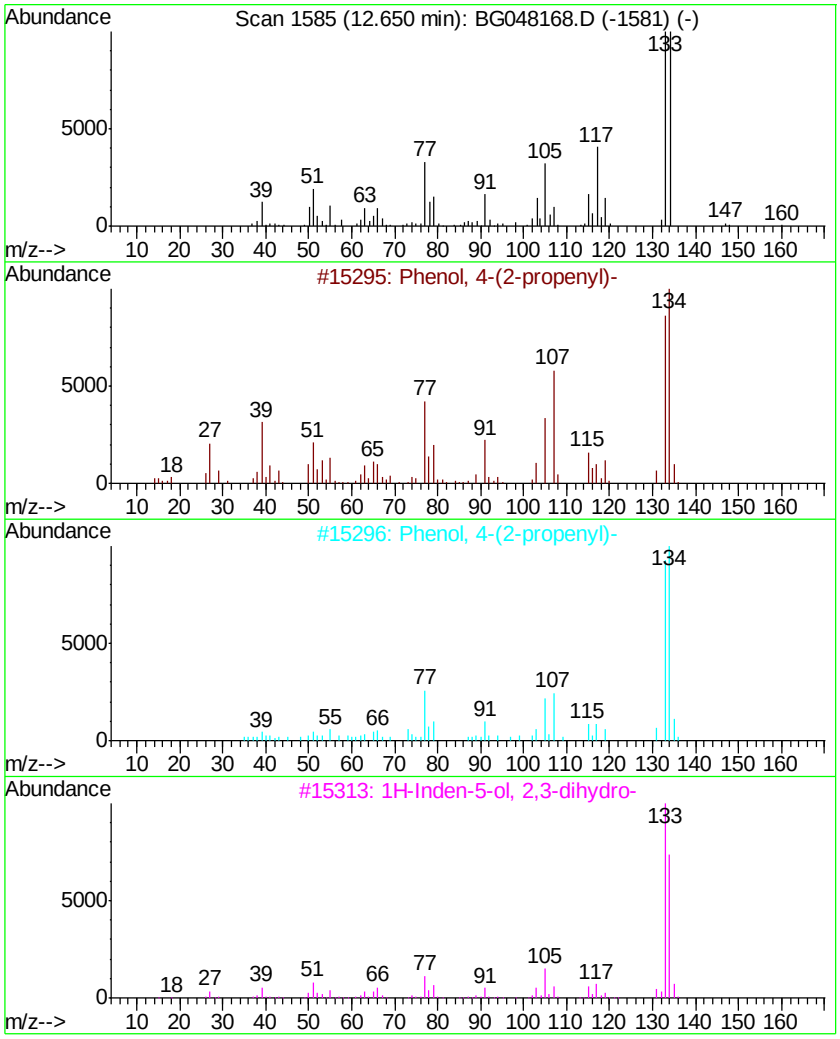
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

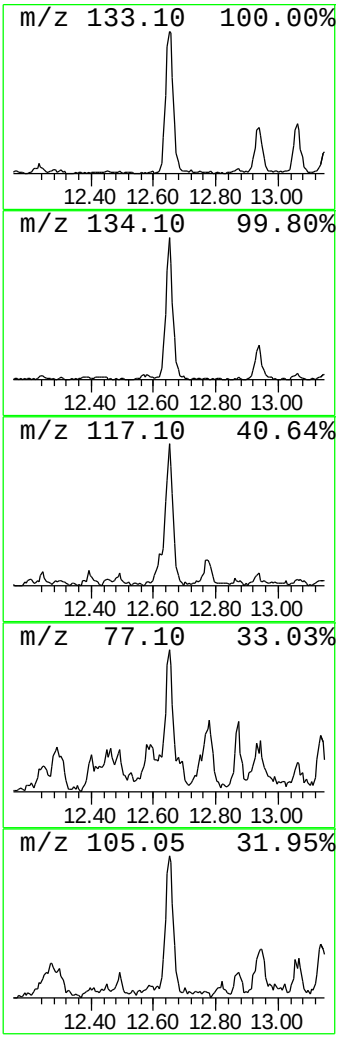
**********

Peak Number 14 Phenol, 4-(2-propenyl)- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.65 | 18.04 ng/ul | 462818 | Naphthalene-d8 | 10.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(2-propenyl)- | 134 | C9H10O | 000501-92-8 | 87 |
| 2 | Phenol, 4-(2-propenyl)- | 134 | C9H10O | 000501-92-8 | 68 |
| 3 | 1H-Inden-5-ol, 2,3-dihydro- | 134 | C9H10O | 001470-94-6 | 64 |
| 4 | Benzaldehyde, 4-ethyl- | 134 | C9H10O | 004748-78-1 | 62 |
| 5 | Benzaldehyde, 2,4-dimethyl- | 134 | C9H10O | 015764-16-6 | 58 |



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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

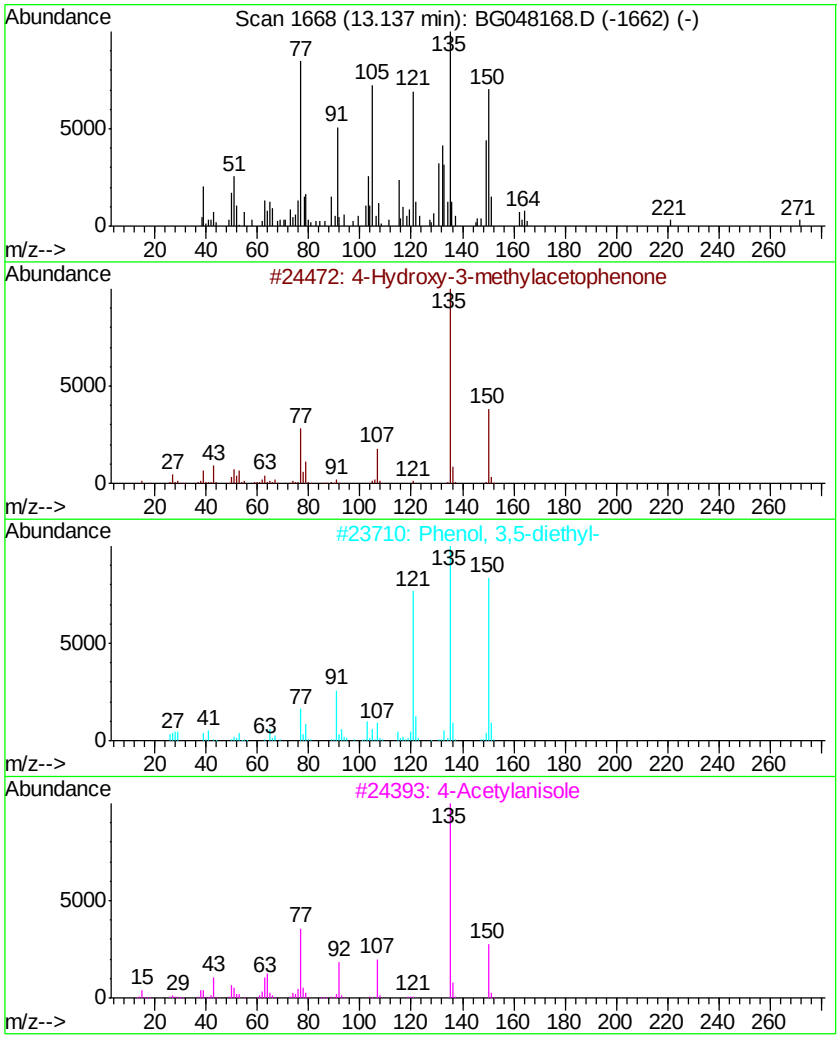
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

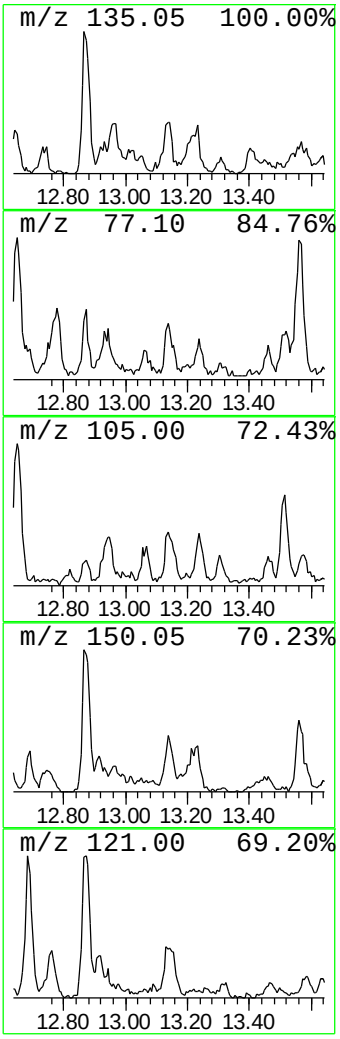
**********

Peak Number 17 unknown-01 Concentration Rank 57

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.14 | 2.95 ng/ul | 137821 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Hydroxy-3-methylacetophenone | 150 | C9H10O2 | 000876-02-8 | 46 |
| 2 | Phenol, 3,5-diethyl- | 150 | C10H14O | 001197-34-8 | 46 |
| 3 | 4-Acetylanisole | 150 | C9H10O2 | 000100-06-1 | 45 |
| 4 | N,N,N'-Trimethyl-1,4-phenylenedi... | 150 | C9H14N2 | 005369-34-6 | 38 |
| 5 | 3-Methylbenzamidoxine | 150 | C8H10N2O | 040067-82-1 | 35 |



# Library Search Compound Report

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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

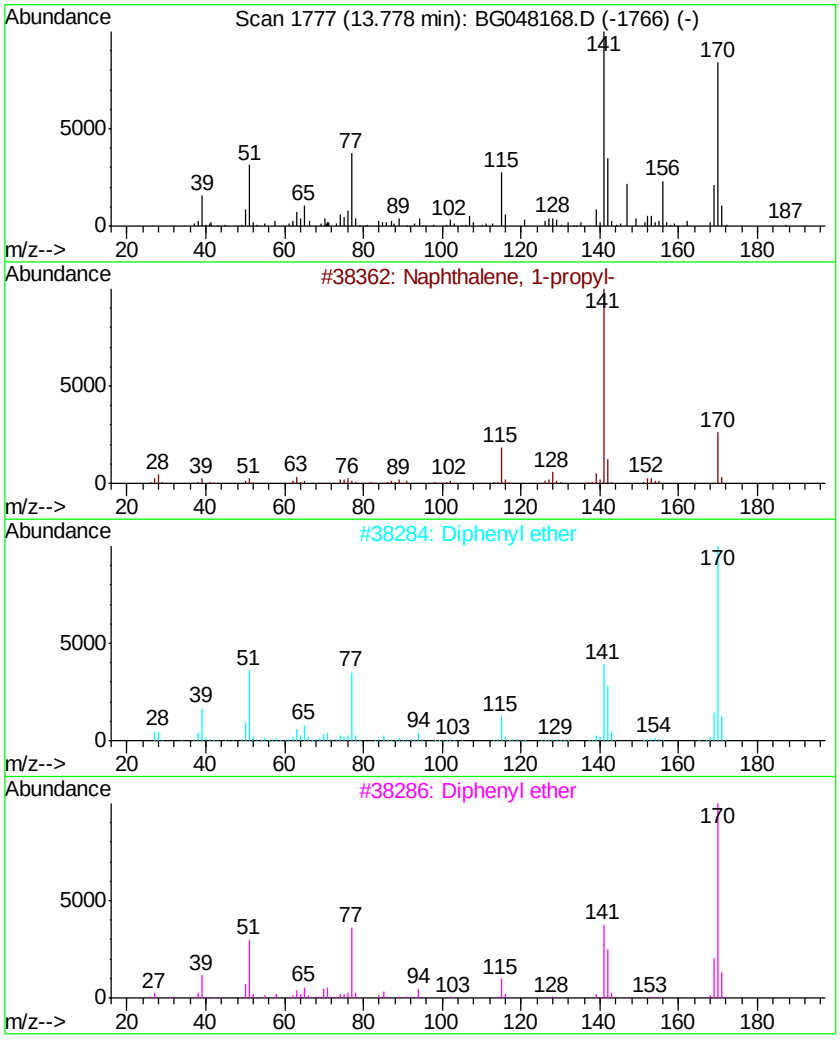
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

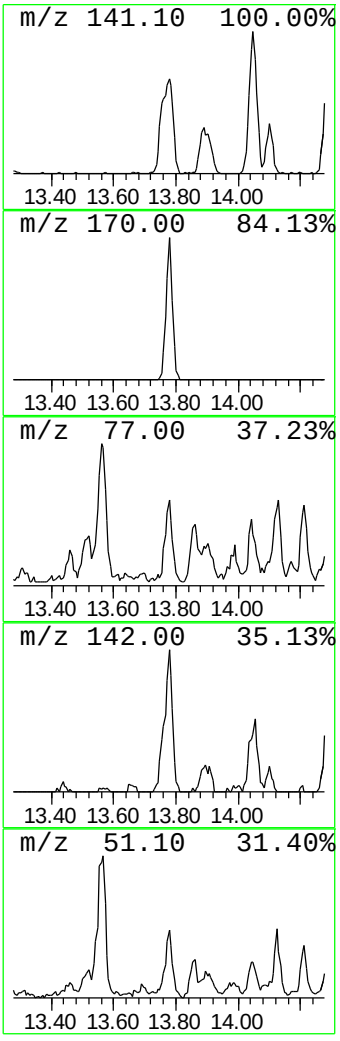
**********

Peak Number 19 Naphthalene, 1-propyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.78 | 8.02 ng/ul | 374590 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-propyl- | 170 | C13H14 | 002765-18-6 | 64 |
| 2 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 53 |
| 3 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 53 |
| 4 | 1-Naphthalenecarboxaldehyde, 4-m... | 170 | C12H10O | 033738-48-6 | 47 |
| 5 | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 47 |



# Library Search Compound Report

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Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

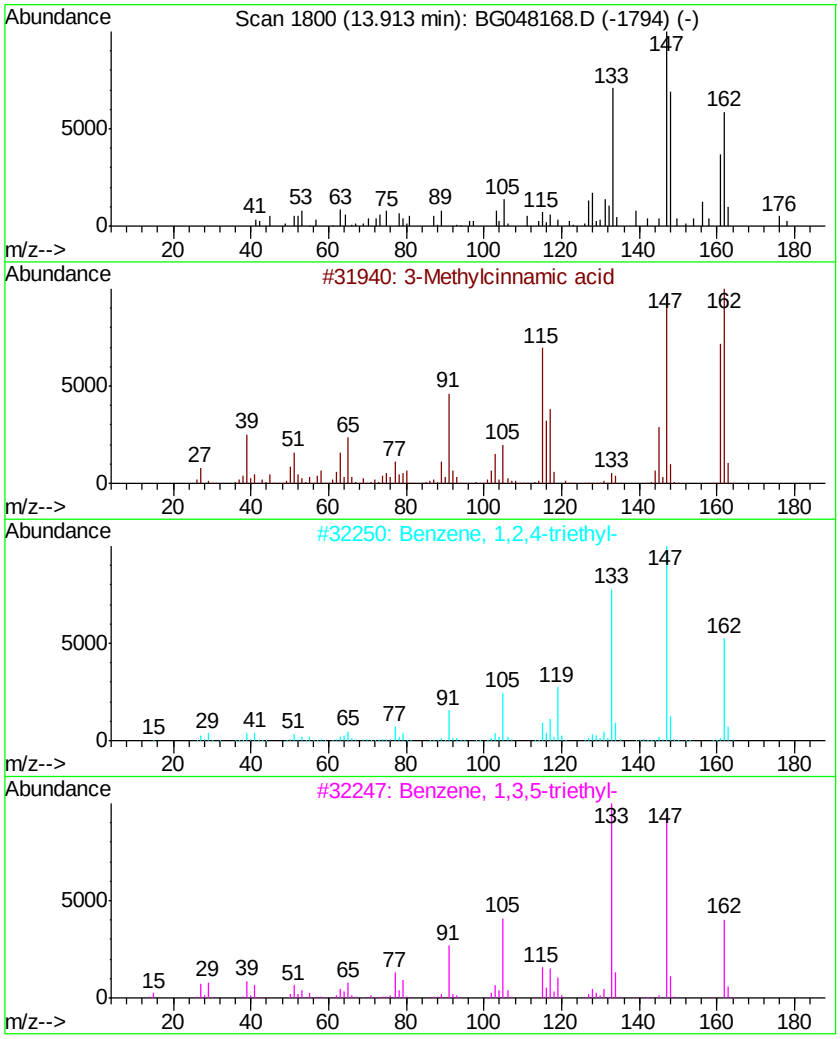
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

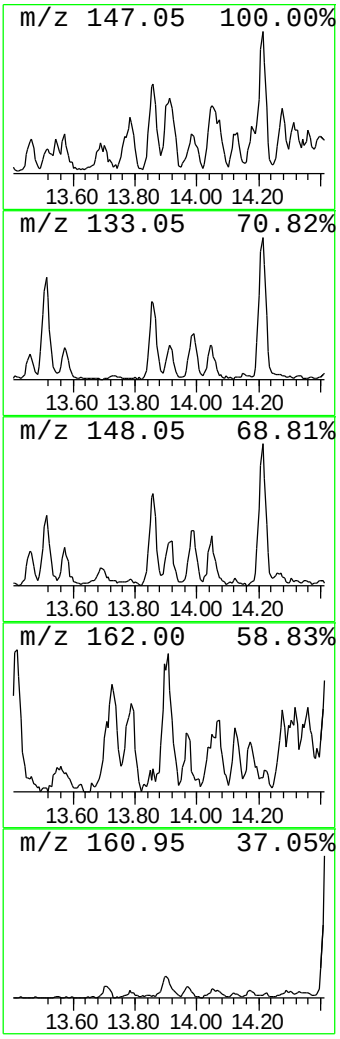
**********

Peak Number 21 unknown-02 Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.91 | 6.69 ng/ul | 312491 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylcinnamic acid | 162 | C10H10O2 | 003029-79-6 | 46 |
| 2 | Benzene, 1,2,4-triethyl- | 162 | C12H18 | 000877-44-1 | 46 |
| 3 | Benzene, 1,3,5-triethyl- | 162 | C12H18 | 000102-25-0 | 43 |
| 4 | Benzene, 1,2-diethyl-3,4-dimethyl- | 162 | C12H18 | 054410-75-2 | 43 |
| 5 | 5-Ethylbenzo[b]thiophene | 162 | C10H10S | 017514-96-4 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

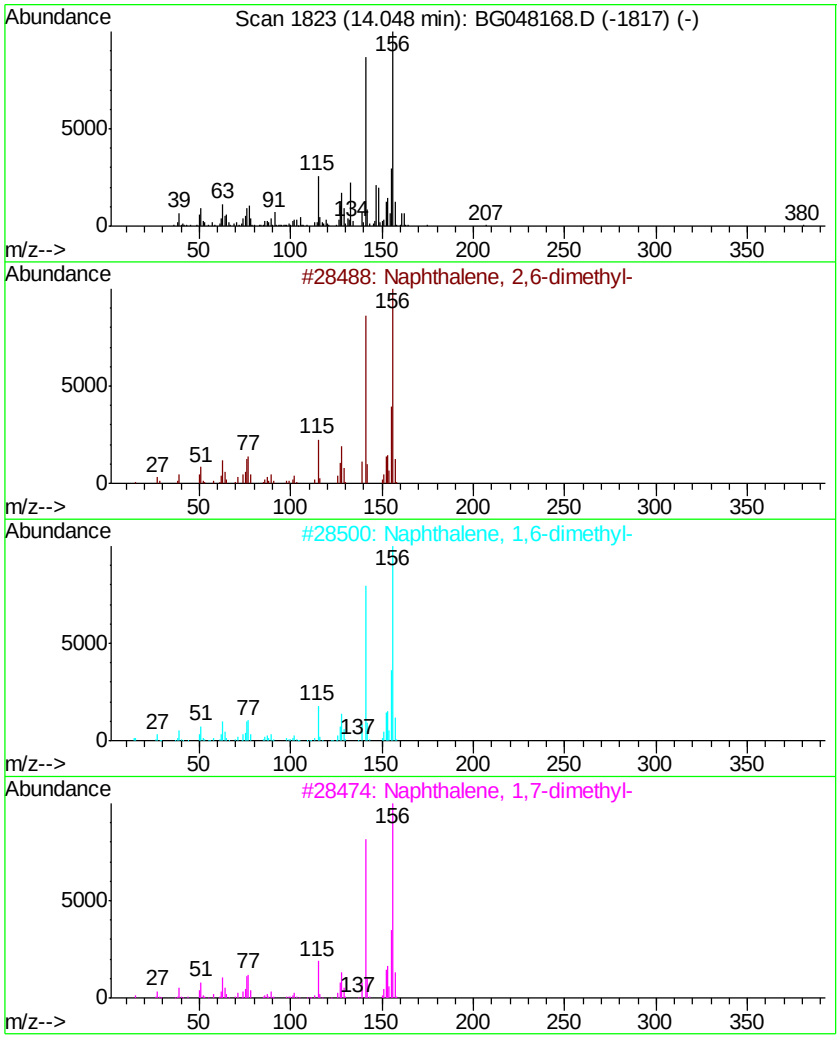
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

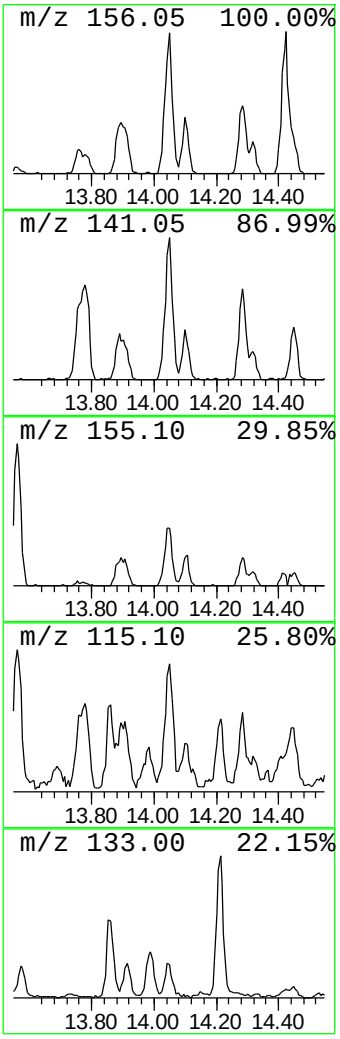
**********

Peak Number 23 Naphthalene, 2,6-dimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.05 | 8.32 ng/ul | 388764 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

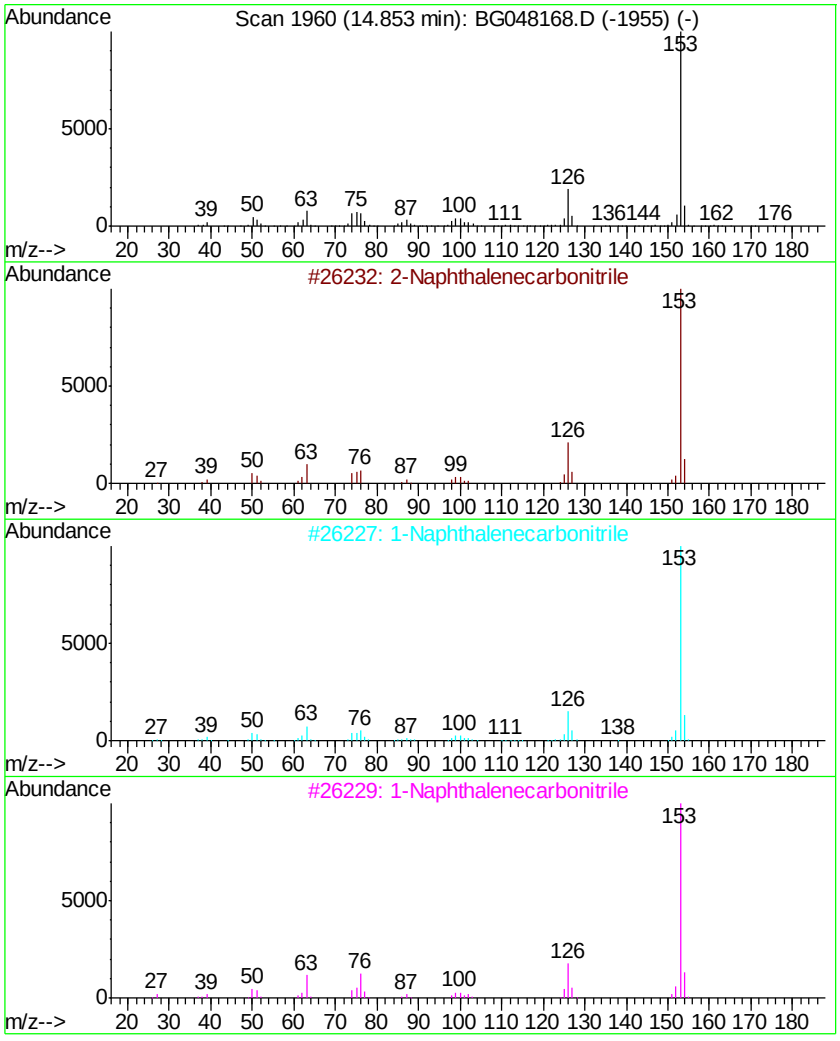
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

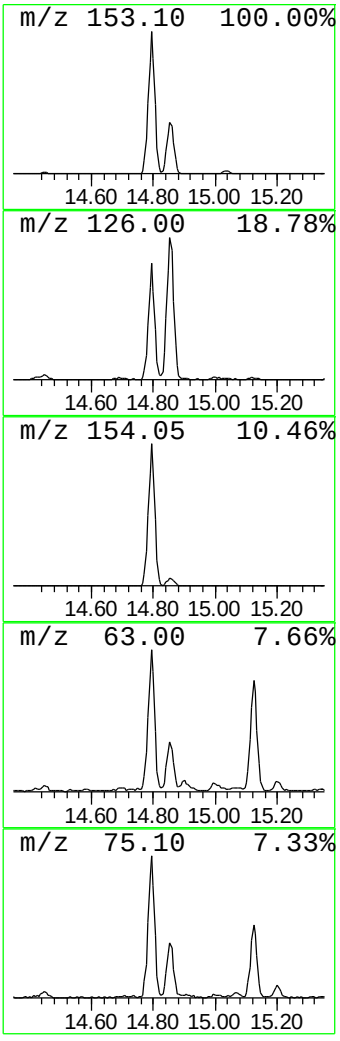
**********

Peak Number 26 2-Naphthalenecarbonitrile Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 18.29 ng/ul | 854432 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 97 |
| 2 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 95 |
| 3 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 91 |
| 4 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 91 |
| 5 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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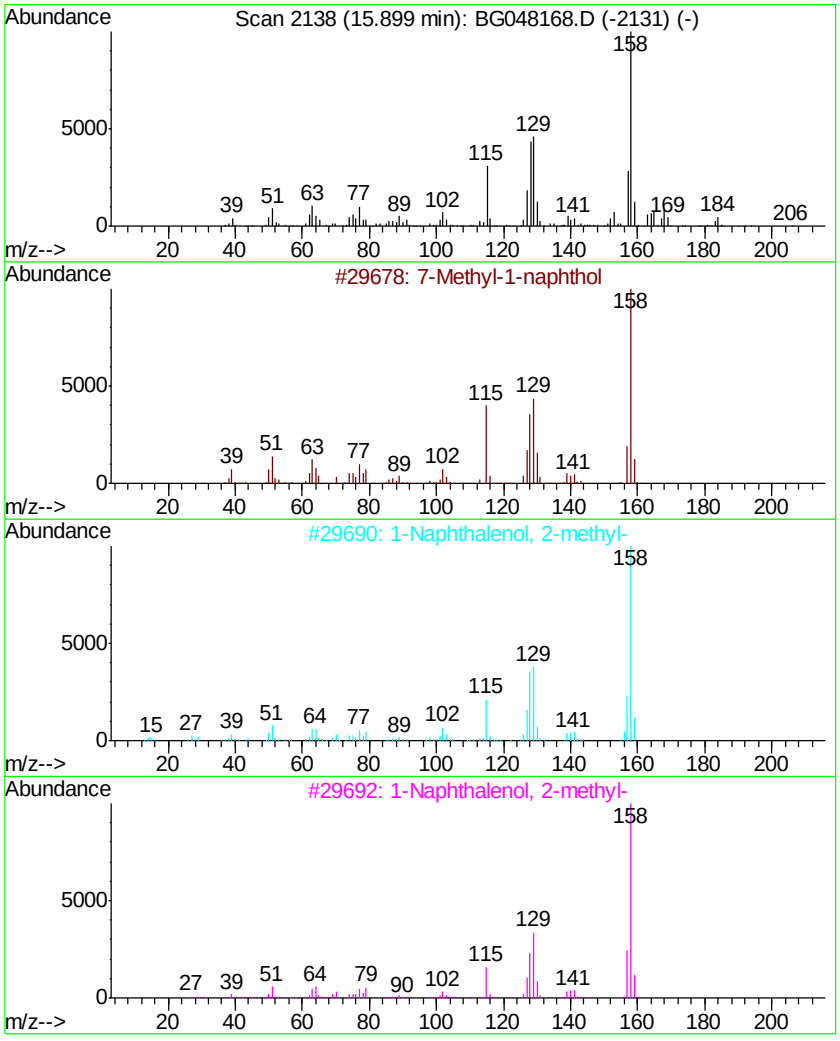
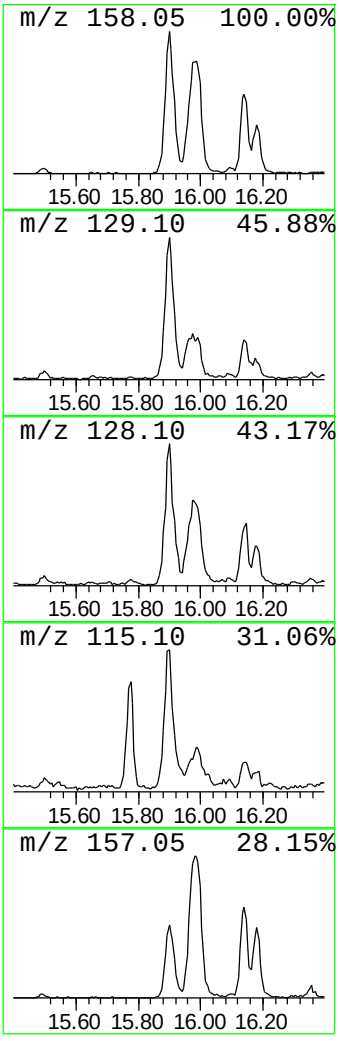
Peak Number 31 7-Methyl-1-naphthol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.90 | 25.13 ng/ul | 1173830 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methyl-1-naphthol | 158 | C11H10O | 006939-33-9 | 96 |
| 2 | 1-Naphthalenol, 2-methyl- | 158 | C11H10O | 007469-77-4 | 94 |
| 3 | 1-Naphthalenol, 2-methyl- | 158 | C11H10O | 007469-77-4 | 70 |
| 4 | Phenol, 3-chloro-5-methoxy- | 158 | C7H7ClO2 | 065262-96-6 | 53 |
| 5 | 1H-Pyrazole, 3-methyl-5-phenyl- | 158 | C10H10N2 | 003347-62-4 | 49 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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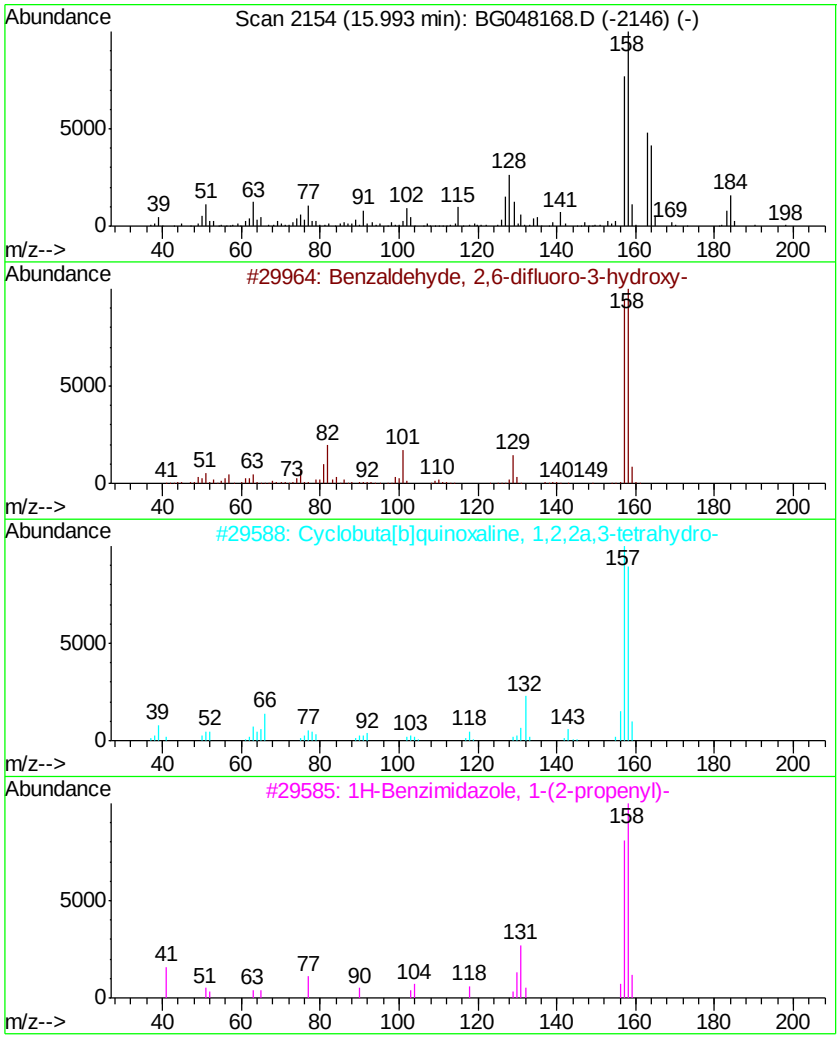
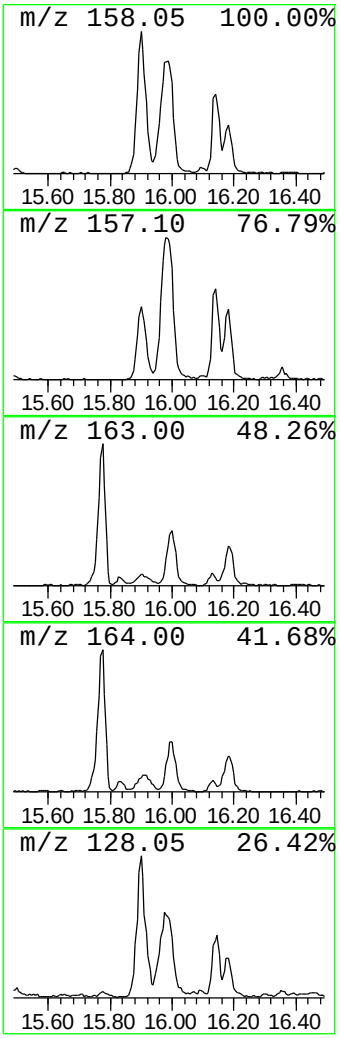
Peak Number 32 unknown-03 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.99 | 24.22 ng/ul | 1131520 | Acenaphthene-d10 | 14.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 2,6-difluoro-3-hyd... | 158 | C7H4F2O2 | 152434-88-3 | 47 |
| 2 | Cyclobuta[b]quinoxaline, 1,2,2a,... | 158 | C10H10N2 | 021943-51-1 | 46 |
| 3 | 1H-Benzimidazole, 1-(2-propenyl)- | 158 | C10H10N2 | 019018-22-5 | 43 |
| 4 | 1-(2-Aminophenyl)pyrrole | 158 | C10H10N2 | 006025-60-1 | 43 |
| 5 | 1-Naphthalenol, 2-methyl- | 158 | C11H10O | 007469-77-4 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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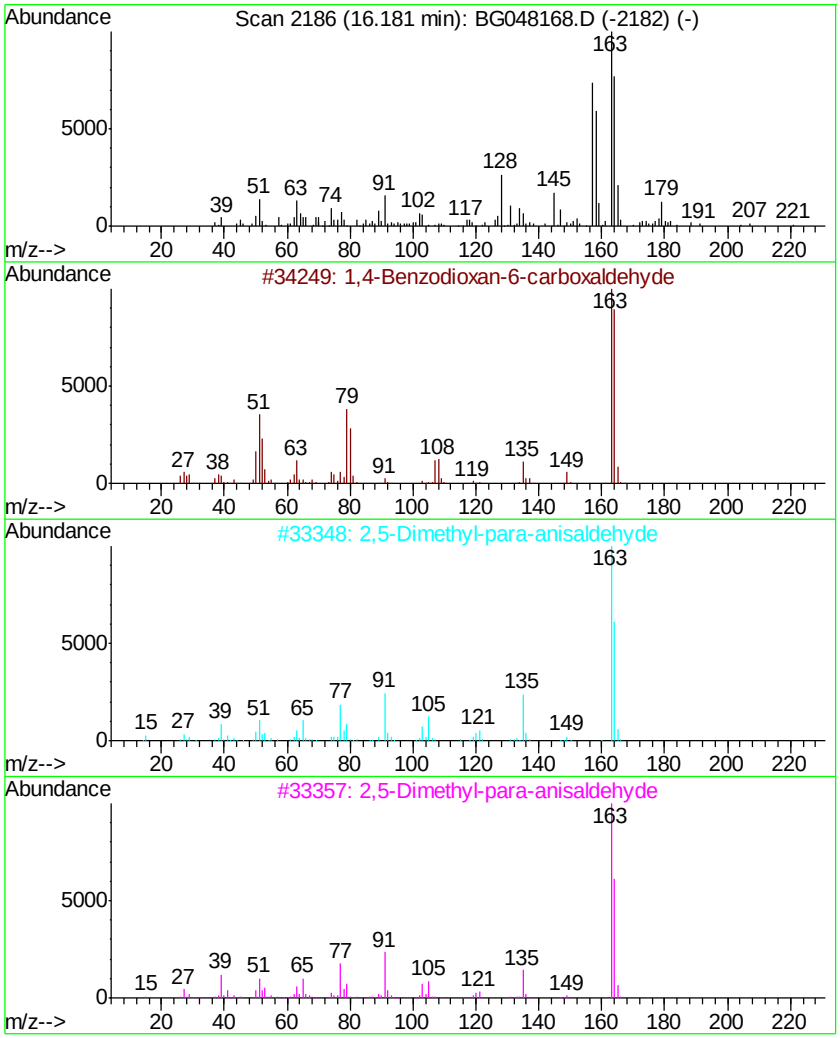
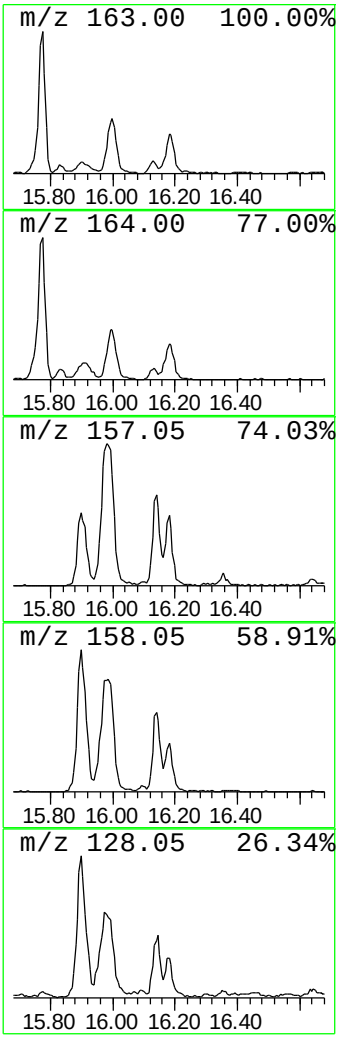
Peak Number 35 unknown-04 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.18 | 10.58 ng/ul | 629408 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Benzodioxan-6-carboxaldehyde | 164 | C9H8O3 | 029668-44-8 | 35 |
| 2 | 2,5-Dimethyl-para-anisaldehyde | 164 | C10H12O2 | 006745-75-1 | 35 |
| 3 | 2,5-Dimethyl-para-anisaldehyde | 164 | C10H12O2 | 006745-75-1 | 35 |
| 4 | 1,4-Benzodioxan-6-carboxaldehyde | 164 | C9H8O3 | 029668-44-8 | 35 |
| 5 | Benzaldehyde, 2,4-difluoro-3-hyd... | 158 | C7H4F2O2 | 192927-69-8 | 22 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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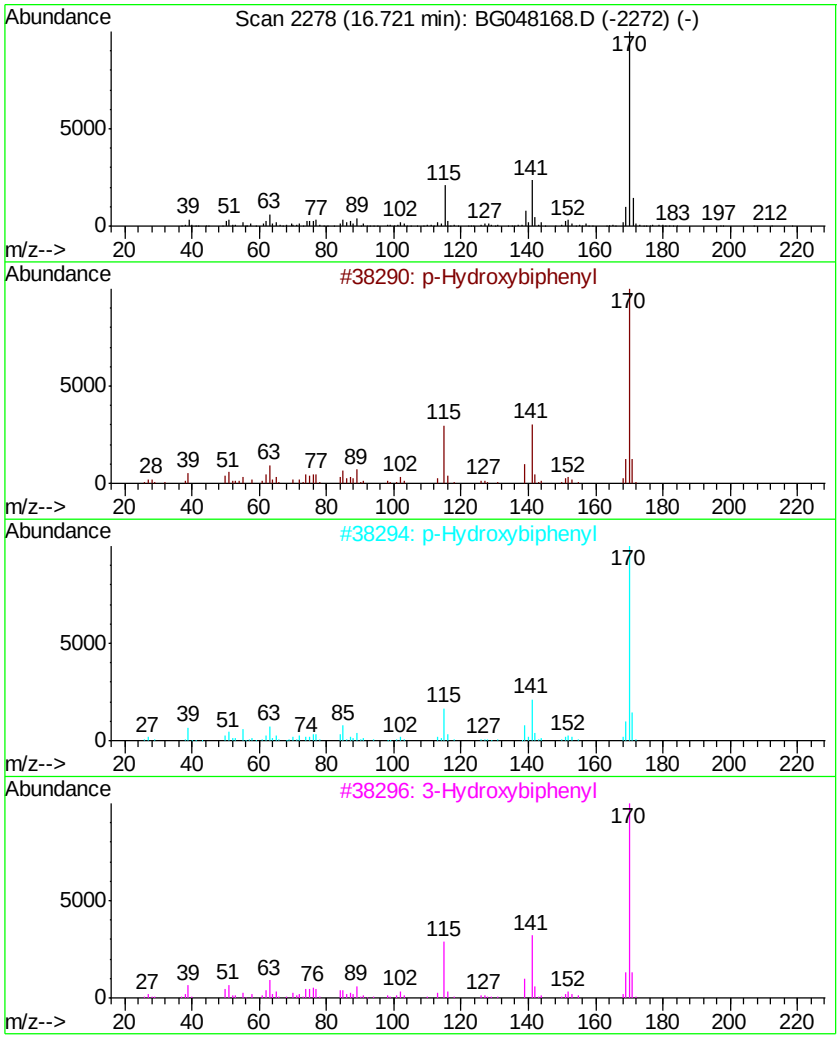
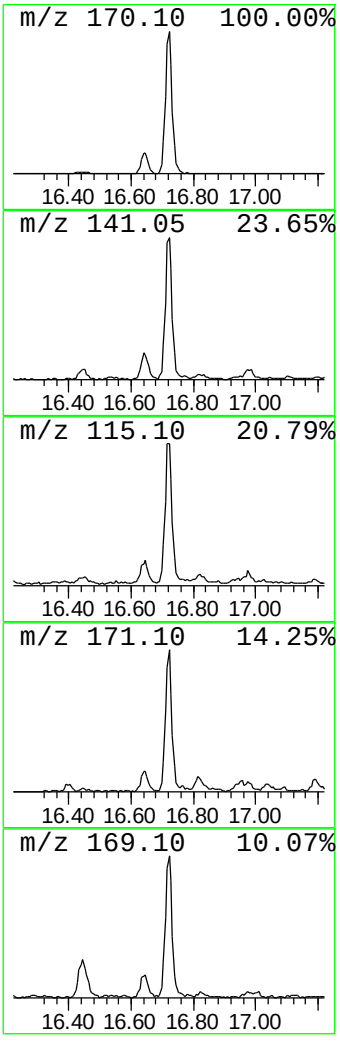
Peak Number 39 p-Hydroxybiphenyl Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 20.52 ng/ul | 1220300 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 96 |
| 2 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 94 |
| 3 | 3-Hydroxybiphenyl | 170 | C12H10O | 000580-51-8 | 94 |
| 4 | 3-Hydroxybiphenyl | 170 | C12H10O | 000580-51-8 | 94 |
| 5 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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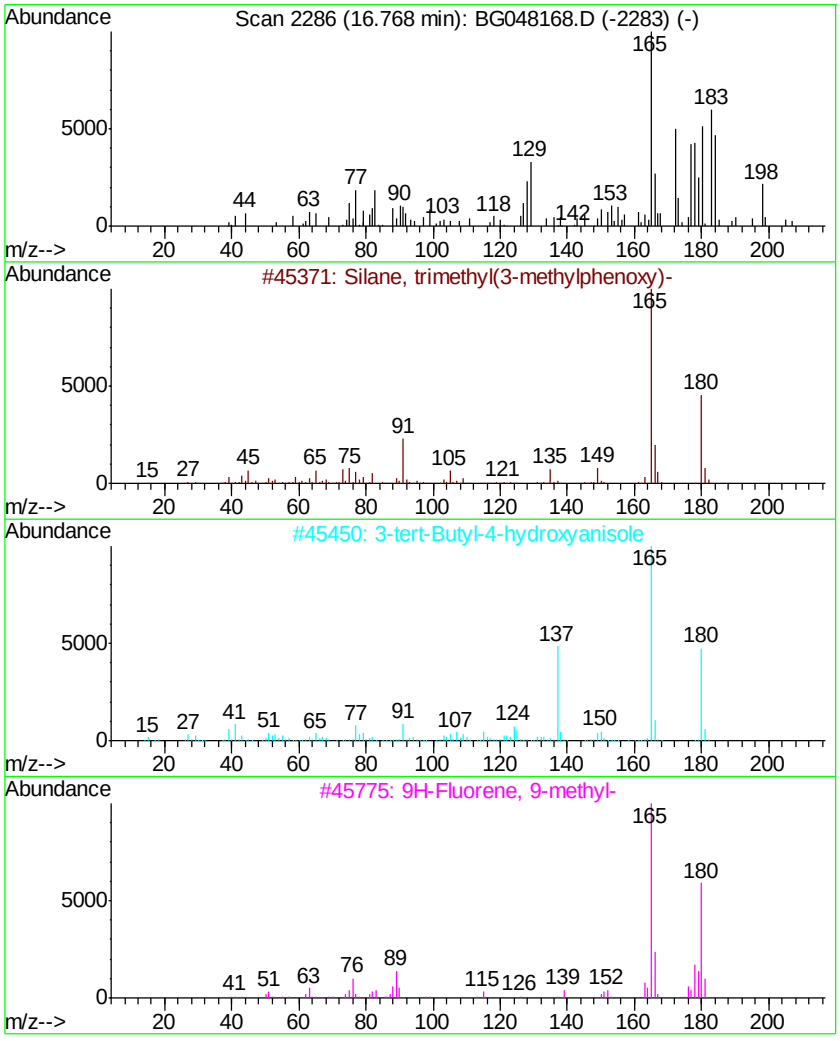
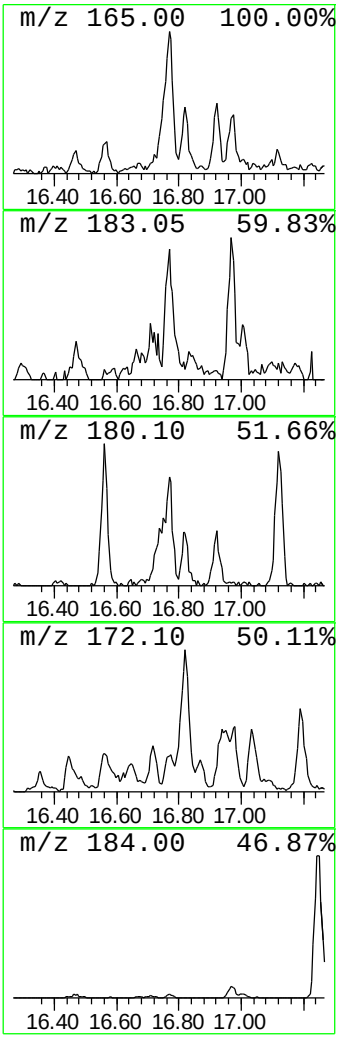
Peak Number 40 unknown-05 Concentration Rank 63

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.77 | 2.44 ng/ul | 144909 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, trimethyl(3-methylphenoxy)- | 180 | C10H16OSi | 017902-31-7 | 22 |
| 2 | 3-tert-Butyl-4-hydroxyanisole | 180 | C11H16O2 | 000121-00-6 | 22 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 22 |
| 4 | Ethanone, 1-(3,4-dimethoxyphenyl)- | 180 | C10H12O3 | 001131-62-0 | 22 |
| 5 | Silane, trimethyl(4-methylphenoxy)- | 180 | C10H16OSi | 017902-32-8 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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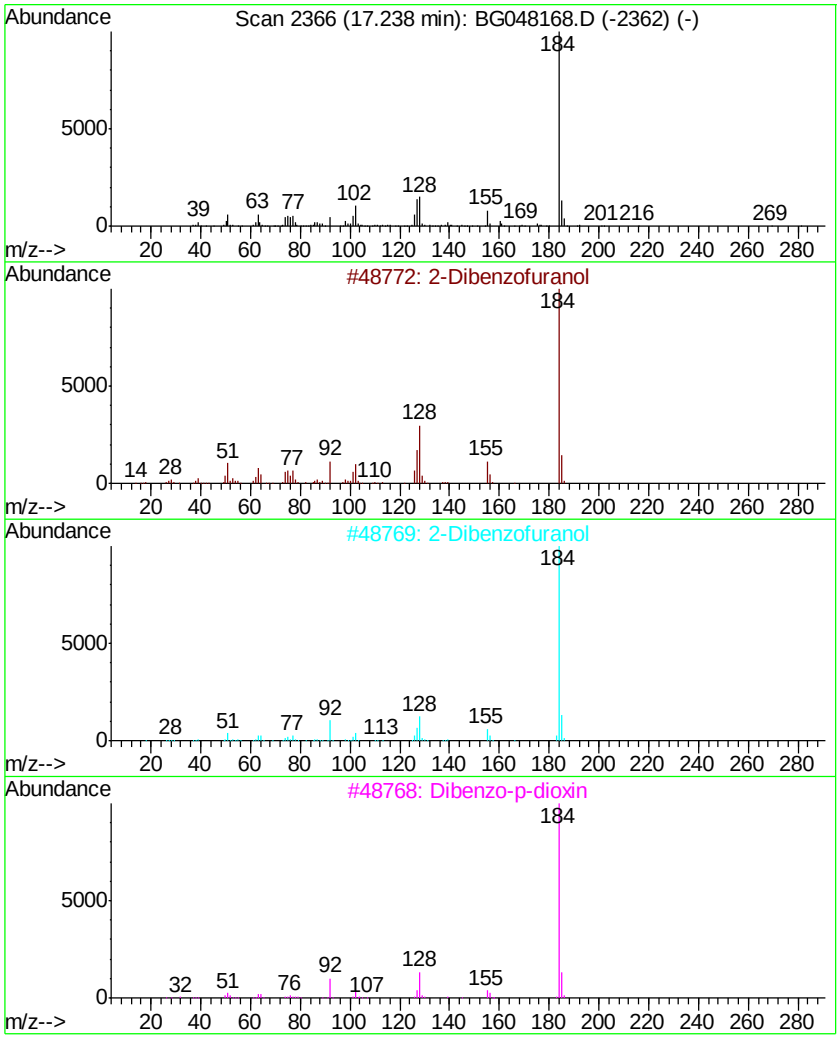
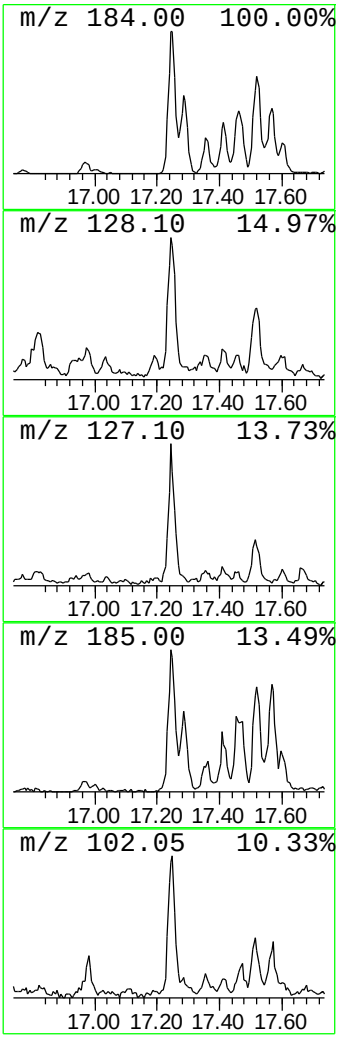
Peak Number 43 2-Dibenzofuranol Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.24 | 8.99 ng/ul | 534371 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 91 |
| 2 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 86 |
| 3 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 80 |
| 4 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 78 |
| 5 | 2,5-Cyclohexadiene-1,4-dione, 2-... | 184 | C12H8O2 | 000363-03-1 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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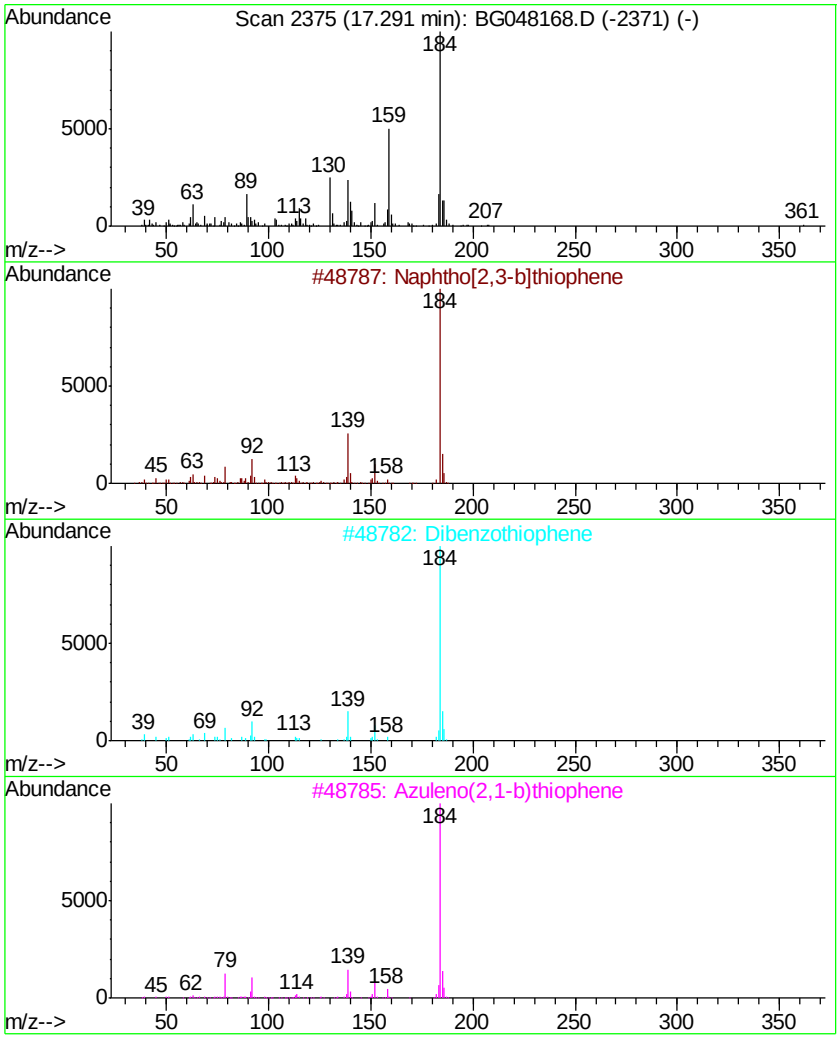
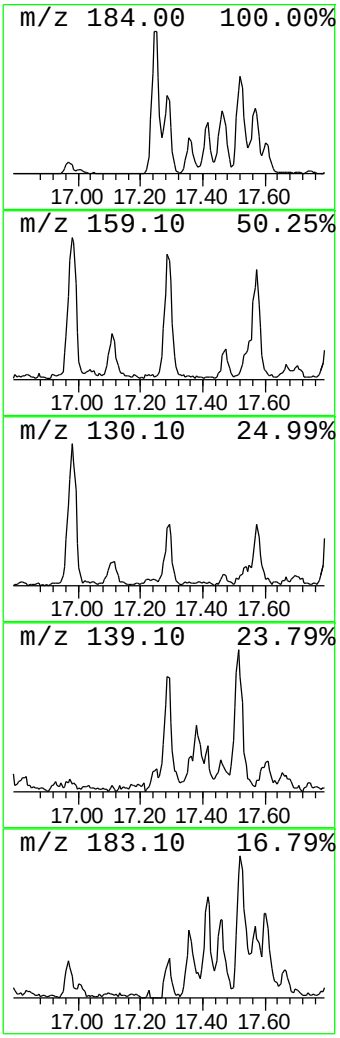
Peak Number 44 Naphtho[2,3-b]thiophene Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.29 | 7.14 ng/ul | 424783 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 53 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 52 |
| 3 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 50 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 50 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 49 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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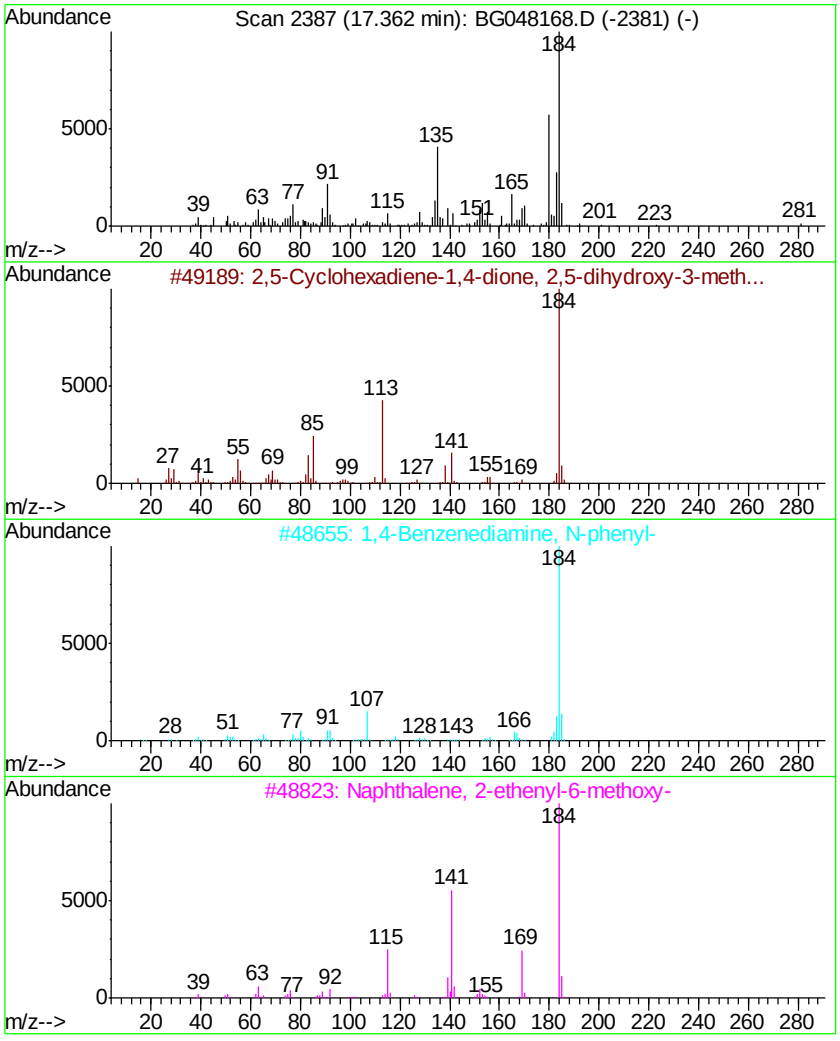
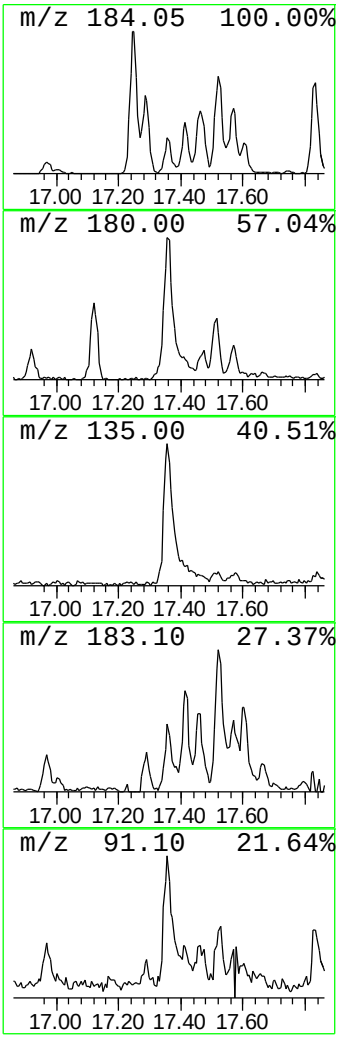
Peak Number 45 unknown-06 Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.36 | 5.91 ng/ul | 351706 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 184 | C8H8O5 | 000085-23-4 | 30 |
| 2 | 1,4-Benzenediamine, N-phenyl- | 184 | C12H12N2 | 000101-54-2 | 27 |
| 3 | Naphthalene, 2-ethenyl-6-methoxy- | 184 | C13H12O | 063444-51-9 | 25 |
| 4 | 2,4-Diazaphenanthrene | 180 | C12H8N2 | 000230-28-4 | 25 |
| 5 | Benzene, 1-methyl-4-phenoxy- | 184 | C13H12O | 001706-12-3 | 22 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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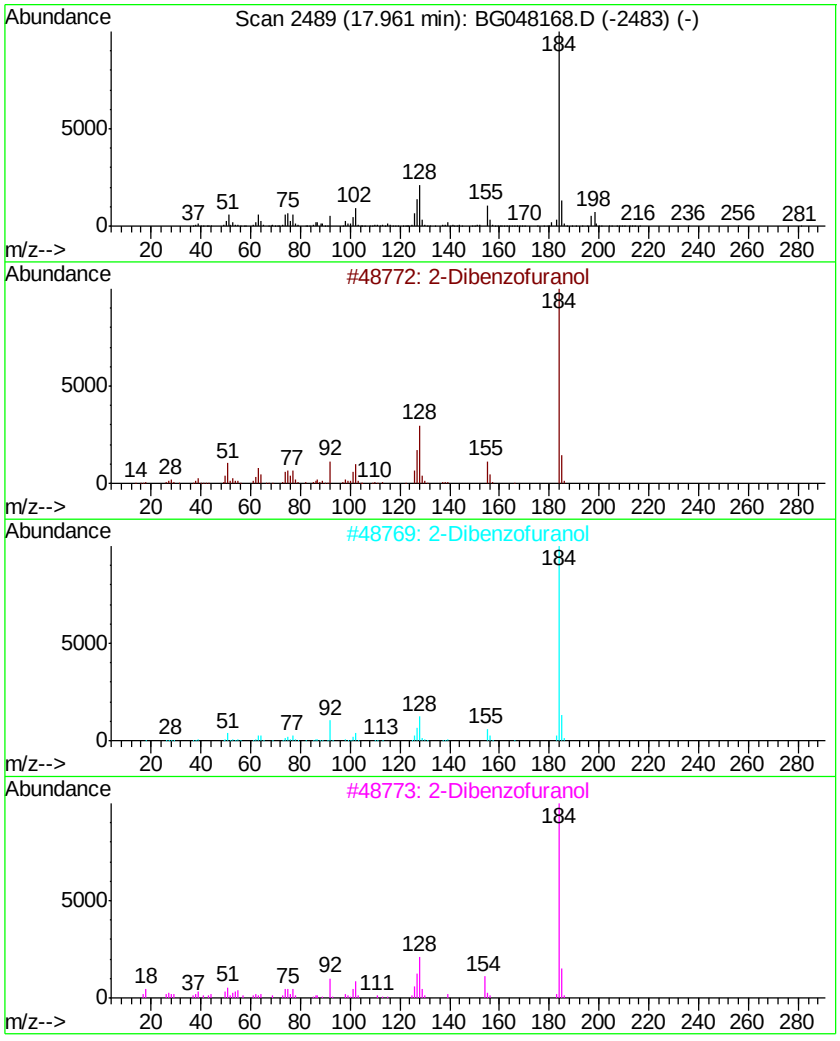
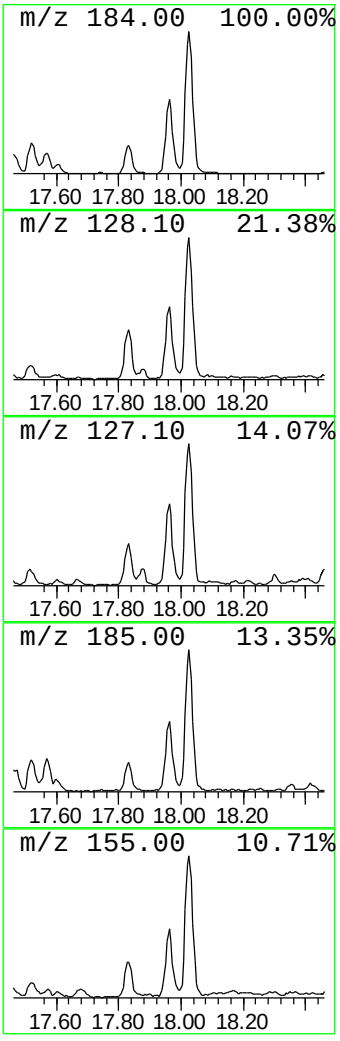
Peak Number 48 1H-Pyrazolo[3,4-b]quinolin-... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 17.76 ng/ul | 1056140 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 94 |
| 2 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 90 |
| 3 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 87 |
| 4 | 1H-Pyrazolo[3,4-b]quinolin-3-amine | 184 | C10H8N4 | 1000319-54-1 | 83 |
| 5 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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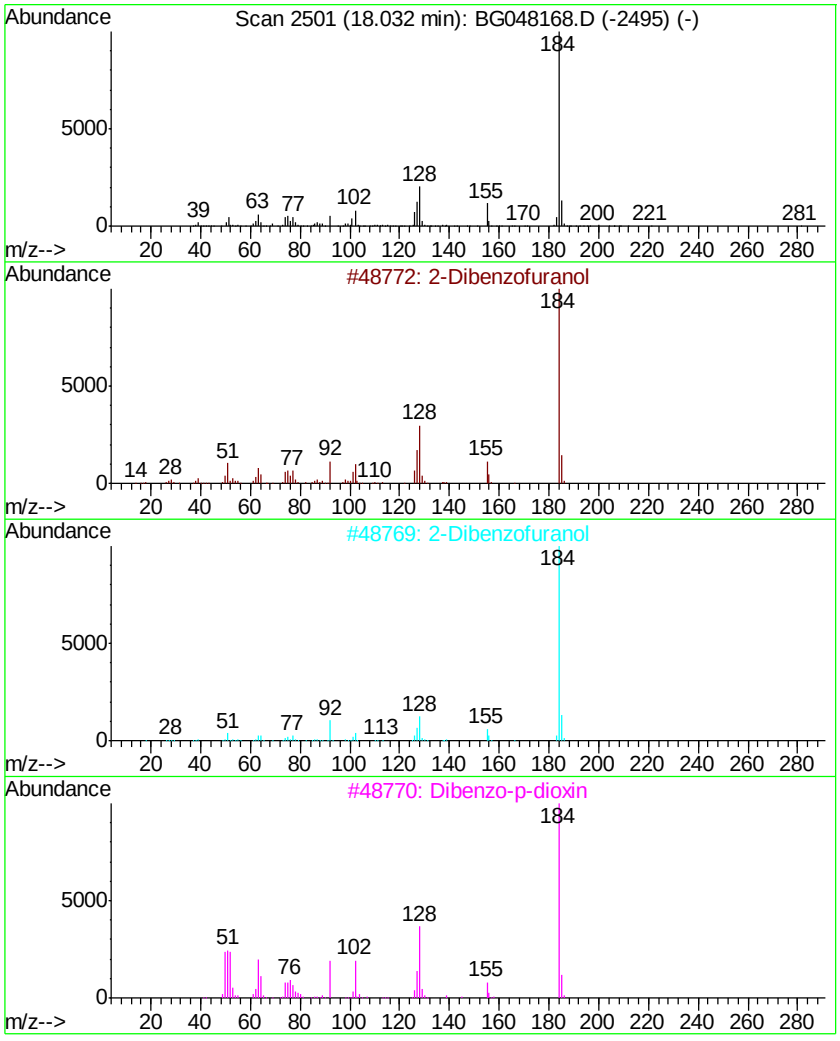
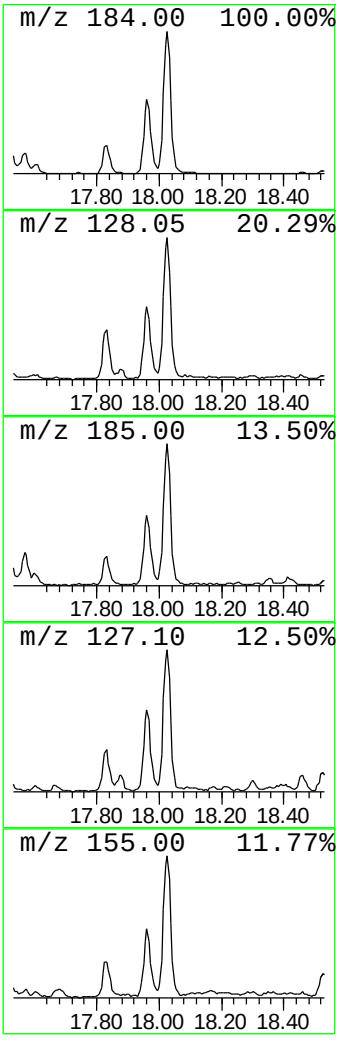
Peak Number 49 Dibenzo-p-dioxin Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 28.93 ng/ul | 1720810 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 97 |
| 2 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 91 |
| 3 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 91 |
| 4 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 91 |
| 5 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

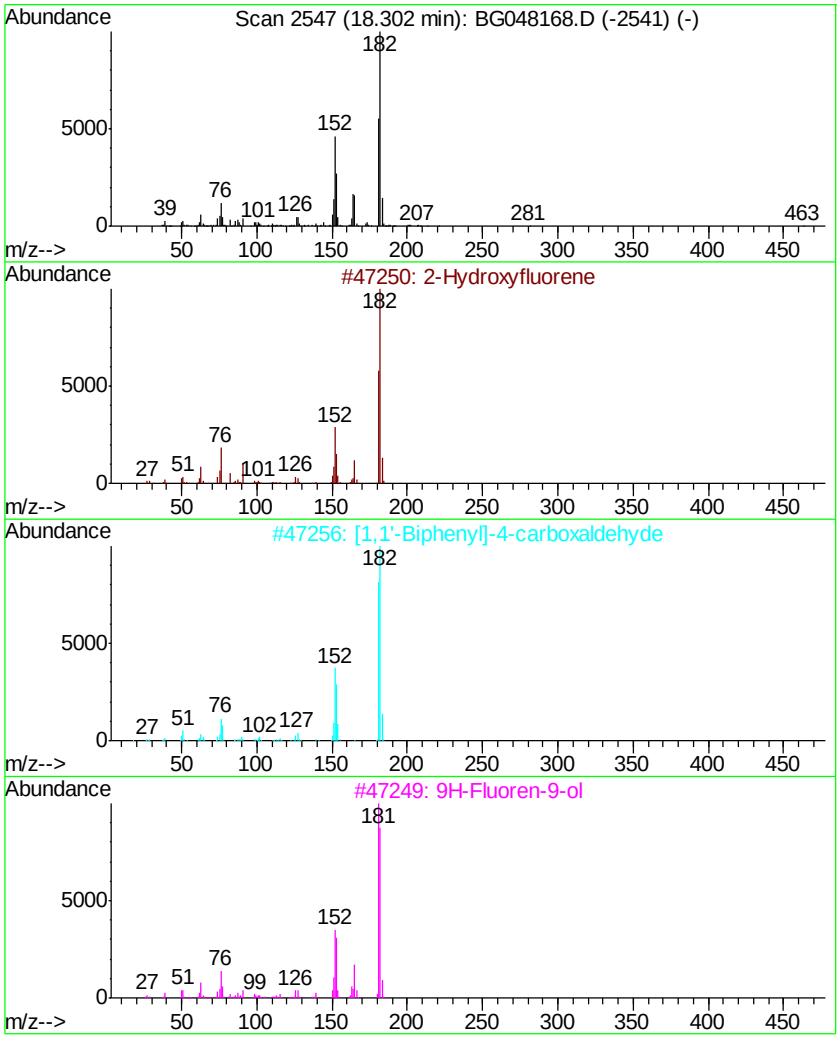
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

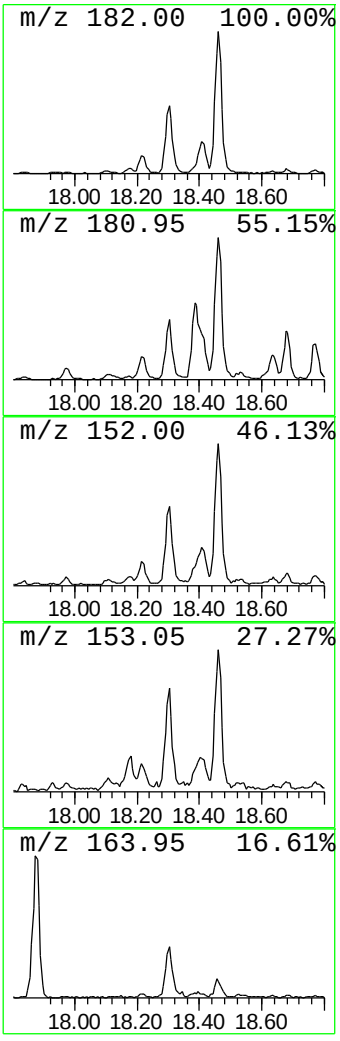
**********

Peak Number 53 2-Hydroxyfluorene Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.30 | 8.88 ng/ul | 528188 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 94 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 70 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 62 |
| 4 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 53 |
| 5 | 2,3-Dihydro-1-oxo-1H-phenalene | 182 | C13H10O | 000518-85-4 | 52 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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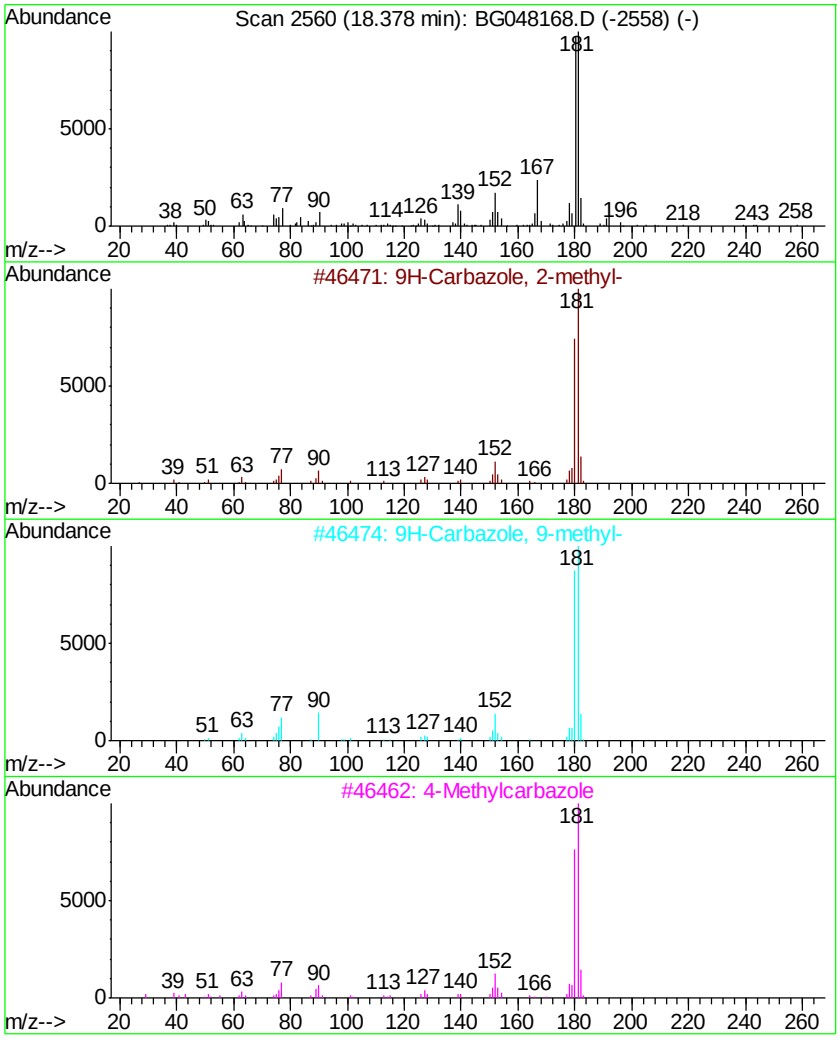
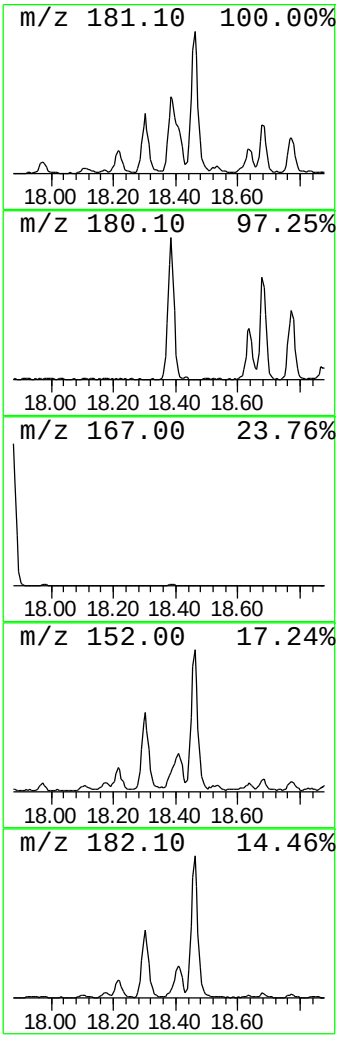
Peak Number 55 9H-Carbazole, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 10.72 ng/ul | 637484 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 95 |
| 2 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 91 |
| 3 | 4-Methylcarbazole | 181 | C13H11N | 003770-48-7 | 91 |
| 4 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 87 |
| 5 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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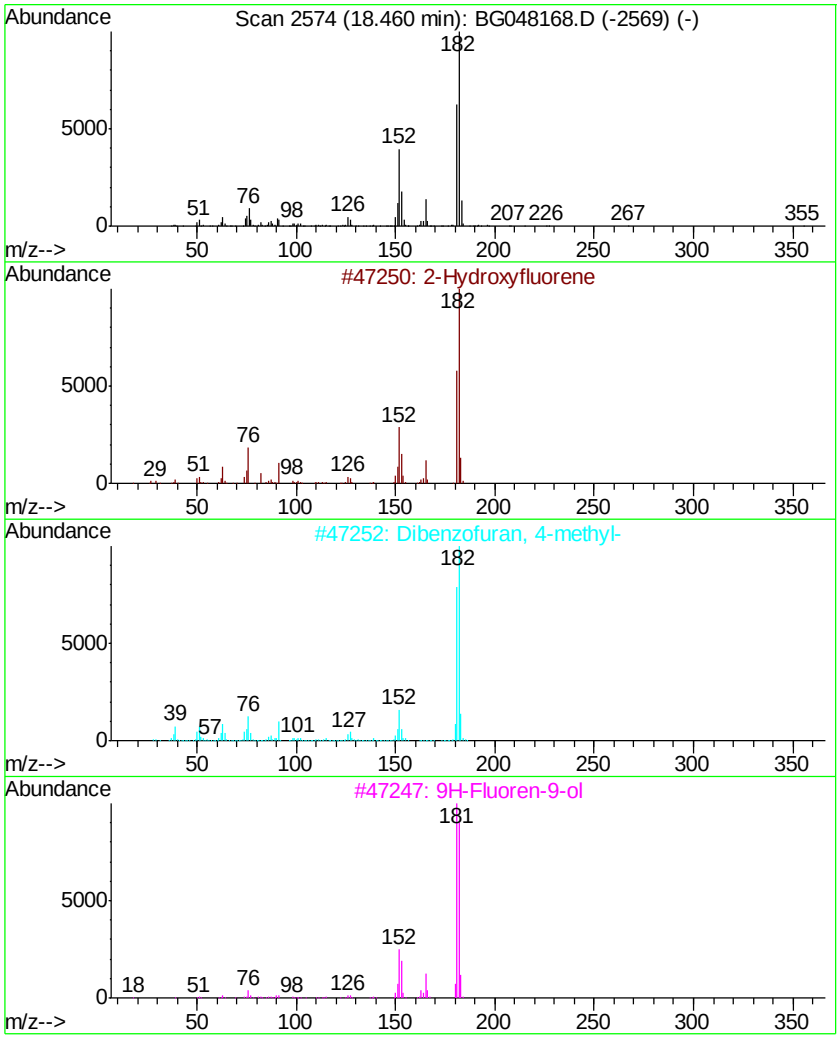
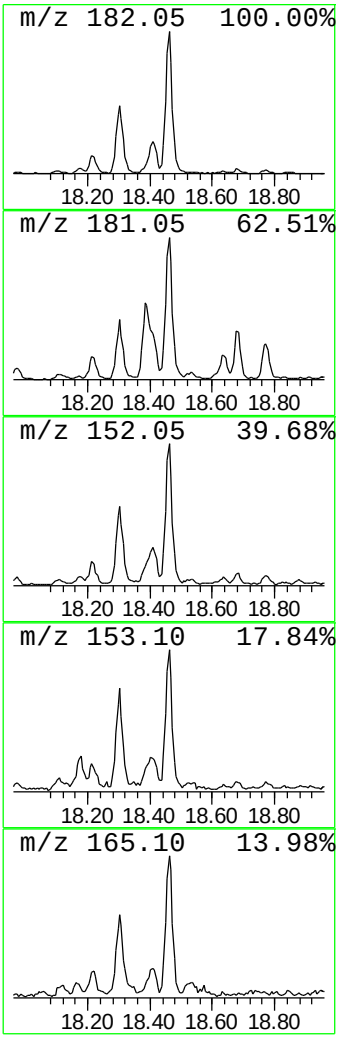
Peak Number 56 Dibenzofuran, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.46 | 14.37 ng/ul | 854769 | Phenanthrene-d10 | 17.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 91 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 58 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 50 |
| 5 | 9H-Xanthene | 182 | C13H10O | 000092-83-1 | 50 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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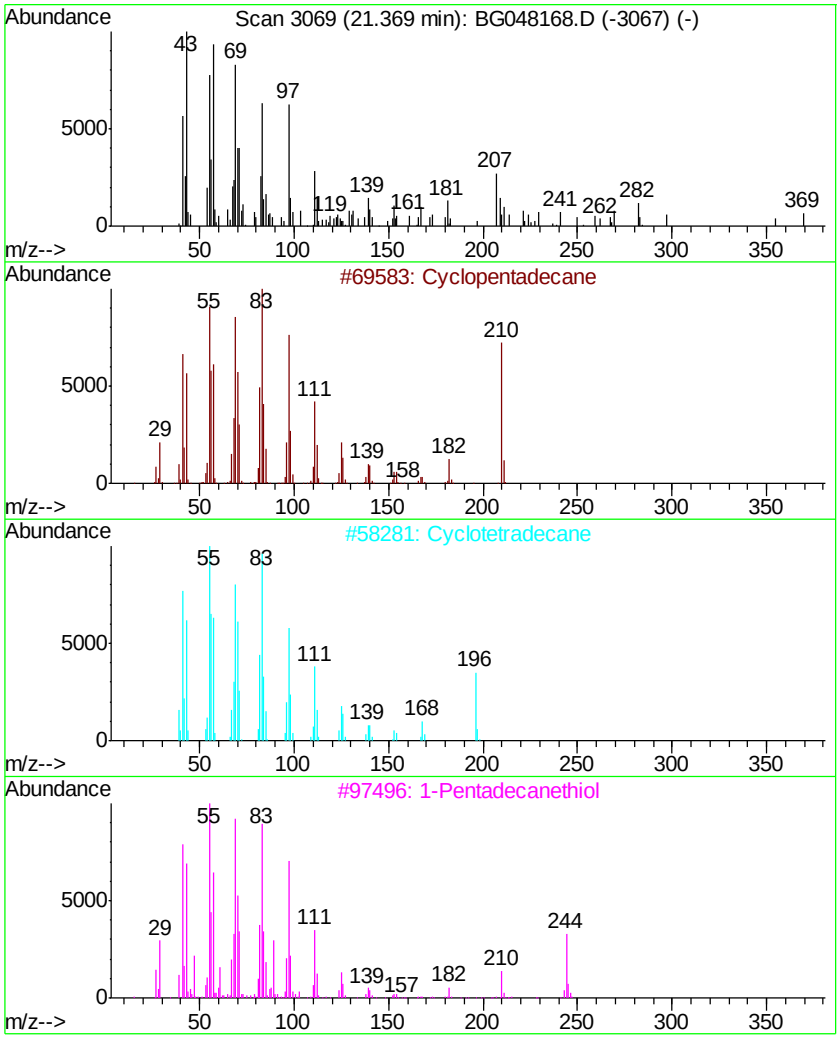
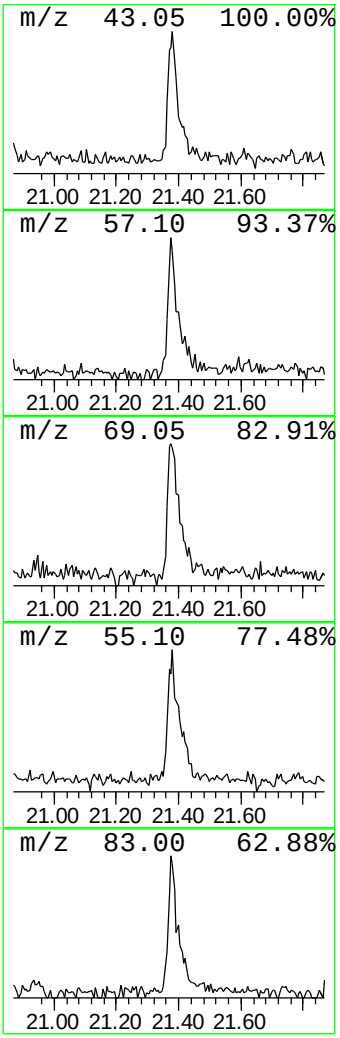
Peak Number 65 (DEL) Alkane: Cyclic21.37 Concentration Rank 64

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.37 | 2.34 ng/ul | 136735 | Chrysene-d12 | 21.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 83 |
| 2 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 76 |
| 3 | 1-Pentadecanethiol | 244 | C15H32S | 025276-70-4 | 70 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 68 |
| 5 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021621\
Data File : BG048168.D
Acq On : 16 Feb 2021 18:17
Operator : CG/JU
Sample : M1407-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DBGL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.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 |
| Indane | 8.48 | 115.1 | ng/ul | 2308900 | 1 | 8.10 | 401279 | 20.0 |
| Benzene, 1-propynyl- | 8.64 | 31.6 | ng/ul | 633985 | 1 | 8.10 | 401279 | 20.0 |
| Benzonitrile, 2-m... | 8.95 | 22.0 | ng/ul | 441547 | 1 | 8.10 | 401279 | 20.0 |
| Benzofuran, 7-met... | 9.59 | 13.2 | ng/ul | 338647 | 2 | 10.92 | 513077 | 20.0 |
| Benzene, (2-methy... | 10.31 | 14.2 | ng/ul | 364782 | 2 | 10.92 | 513077 | 20.0 |
| Phenol, 2,4,6-tri... | 11.05 | 23.0 | ng/ul | 589313 | 2 | 10.92 | 513077 | 20.0 |
| Benzo[b]thiophene | 11.09 | 42.7 | ng/ul | 1094420 | 2 | 10.92 | 513077 | 20.0 |
| Phenol, 2,3,6-tri... | 11.49 | 13.3 | ng/ul | 342126 | 2 | 10.92 | 513077 | 20.0 |
| 3,4-Dimethylanisole | 12.02 | 8.8 | ng/ul | 225000 | 2 | 10.92 | 513077 | 20.0 |
| 4-Hydroxy-2-methy... | 12.30 | 6.3 | ng/ul | 161064 | 2 | 10.92 | 513077 | 20.0 |
| 3-Methylbenzothio... | 12.46 | 9.8 | ng/ul | 251079 | 2 | 10.92 | 513077 | 20.0 |
| Phenol, 4-(2-prop... | 12.65 | 18.0 | ng/ul | 462818 | 2 | 10.92 | 513077 | 20.0 |
| unknown-01 | 13.14 | 3.0 | ng/ul | 137821 | 3 | 14.73 | 934227 | 20.0 |
| Naphthalene, 1-pr... | 13.78 | 8.0 | ng/ul | 374590 | 3 | 14.73 | 934227 | 20.0 |
| unknown-02 | 13.91 | 6.7 | ng/ul | 312491 | 3 | 14.73 | 934227 | 20.0 |
| Naphthalene, 2,6-... | 14.05 | 8.3 | ng/ul | 388764 | 3 | 14.73 | 934227 | 20.0 |
| 2-Naphthalenecarb... | 14.85 | 18.3 | ng/ul | 854432 | 3 | 14.73 | 934227 | 20.0 |
| 7-Methyl-1-naphthol | 15.90 | 25.1 | ng/ul | 1173830 | 3 | 14.73 | 934227 | 20.0 |
| unknown-03 | 15.99 | 24.2 | ng/ul | 1131520 | 3 | 14.73 | 934227 | 20.0 |
| unknown-04 | 16.18 | 10.6 | ng/ul | 629408 | 4 | 17.47 | 1189440 | 20.0 |
| p-Hydroxybiphenyl | 16.72 | 20.5 | ng/ul | 1220300 | 4 | 17.47 | 1189440 | 20.0 |
| unknown-05 | 16.77 | 2.4 | ng/ul | 144909 | 4 | 17.47 | 1189440 | 20.0 |
| 2-Dibenzofuranol | 17.24 | 9.0 | ng/ul | 534371 | 4 | 17.47 | 1189440 | 20.0 |
| Naphtho[2,3-b]thi... | 17.29 | 7.1 | ng/ul | 424783 | 4 | 17.47 | 1189440 | 20.0 |
| unknown-06 | 17.36 | 5.9 | ng/ul | 351706 | 4 | 17.47 | 1189440 | 20.0 |
| 1H-Pyrazolo[3,4-b... | 17.96 | 17.8 | ng/ul | 1056140 | 4 | 17.47 | 1189440 | 20.0 |
| Dibenzo-p-dioxin | 18.03 | 28.9 | ng/ul | 1720810 | 4 | 17.47 | 1189440 | 20.0 |
| 2-Hydroxyfluorene | 18.30 | 8.9 | ng/ul | 528188 | 4 | 17.47 | 1189440 | 20.0 |
| 9H-Carbazole, 2-m... | 18.38 | 10.7 | ng/ul | 637484 | 4 | 17.47 | 1189440 | 20.0 |
| Dibenzofuran, 4-m... | 18.46 | 14.4 | ng/ul | 854769 | 4 | 17.47 | 1189440 | 20.0 |
| (DEL) Alkane: Cyc... | 21.37 | 2.3 | ng/ul | 136735 | 5 | 21.74 | 1166920 | 20.0 |