LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

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-BG120720MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG047644.D

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.083 | 120 | 127 | 133 | rBV | 25660 | 42957 | 2.20% | 0.236% |
| 2 | 4.870 | 257 | 261 | 270 | rVB6 | 6096 | 13092 | 0.67% | 0.072% |
| 3 | 5.258 | 321 | 327 | 332 | rVB4 | 8997 | 15541 | 0.79% | 0.085% |
| 4 | 5.352 | 337 | 343 | 348 | rVB4 | 5548 | 10002 | 0.51% | 0.055% |
| 5 | 5.822 | 418 | 423 | 426 | rBV3 | 5920 | 8755 | 0.45% | 0.048% |
| 6 | 6.198 | 481 | 487 | 493 | rVV4 | 9746 | 18412 | 0.94% | 0.101% |
| 7 | 7.291 | 669 | 673 | 677 | rVV3 | 10036 | 15770 | 0.81% | 0.087% |
| 8 | 7.350 | 677 | 683 | 691 | rVV2 | 63918 | 125793 | 6.43% | 0.691% |
| 9 | 7.432 | 692 | 697 | 703 | rVB3 | 6818 | 13629 | 0.70% | 0.075% |
| 10 | 7.526 | 708 | 713 | 719 | rVV | 35432 | 57328 | 2.93% | 0.315% |
| 11 | 7.738 | 744 | 749 | 757 | rVV2 | 58358 | 100142 | 5.12% | 0.550% |
| 12 | 7.820 | 760 | 763 | 766 | rVV2 | 9967 | 14946 | 0.76% | 0.082% |
| 13 | 7.861 | 766 | 770 | 778 | rVB | 19320 | 32773 | 1.68% | 0.180% |
| 14 | 8.219 | 824 | 831 | 839 | rBV | 105000 | 186776 | 9.55% | 1.025% |
| 15 | 8.343 | 849 | 852 | 858 | rVB3 | 9106 | 14019 | 0.72% | 0.077% |
| 16 | 8.772 | 919 | 925 | 927 | rBV5 | 5760 | 9678 | 0.49% | 0.053% |
| 17 | 8.860 | 935 | 940 | 943 | rBV3 | 7335 | 12609 | 0.64% | 0.069% |
| 18 | 8.913 | 943 | 949 | 956 | rVV3 | 62974 | 117044 | 5.98% | 0.643% |
| 19 | 9.383 | 1023 | 1029 | 1035 | rVV | 58592 | 102230 | 5.23% | 0.561% |
| 20 | 9.442 | 1035 | 1039 | 1044 | rVB | 6355 | 11296 | 0.58% | 0.062% |
| 21 | 10.105 | 1141 | 1152 | 1159 | rBV2 | 58342 | 106635 | 5.45% | 0.585% |
| 22 | 10.446 | 1205 | 1210 | 1216 | rBV6 | 3763 | 9639 | 0.49% | 0.053% |
| 23 | 10.652 | 1239 | 1245 | 1253 | rVV | 81980 | 147704 | 7.55% | 0.811% |
| 24 | 11.040 | 1305 | 1311 | 1317 | rBV | 126906 | 226734 | 11.59% | 1.245% |
| 25 | 11.169 | 1326 | 1333 | 1341 | rBV6 | 11364 | 23553 | 1.20% | 0.129% |
| 26 | 12.426 | 1541 | 1547 | 1554 | rVB3 | 5363 | 9962 | 0.51% | 0.055% |
| 27 | 12.685 | 1585 | 1591 | 1595 | rVB2 | 19322 | 28083 | 1.44% | 0.154% |
| 28 | 12.896 | 1621 | 1627 | 1632 | rBV2 | 12094 | 19621 | 1.00% | 0.108% |
| 29 | 13.666 | 1751 | 1758 | 1760 | rBV6 | 6604 | 14314 | 0.73% | 0.079% |
| 30 | 13.872 | 1788 | 1793 | 1796 | rBV3 | 7474 | 10357 | 0.53% | 0.057% |
| 31 | 14.007 | 1810 | 1816 | 1823 | rBV6 | 18226 | 47248 | 2.41% | 0.259% |
| 32 | 14.160 | 1836 | 1842 | 1846 | rBV3 | 32942 | 56430 | 2.88% | 0.310% |
| 33 | 14.224 | 1847 | 1853 | 1858 | rVV | 167123 | 254578 | 13.01% | 1.398% |
| 34 | 14.271 | 1858 | 1861 | 1868 | rVB2 | 40247 | 56177 | 2.87% | 0.308% |

LSC Area Percent Report

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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

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-BG120720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.389 | 1878 | 1881 | 1885 | rBV3 | 17885 | 26670 | 1.36% | 0.146% |
| 36 | 14.530 | 1899 | 1905 | 1919 | rVB2 | 150546 | 279216 | 14.27% | 1.533% |
| 37 | 14.718 | 1933 | 1937 | 1941 | rVB3 | 8062 | 11149 | 0.57% | 0.061% |
| 38 | 14.835 | 1947 | 1957 | 1963 | rBV2 | 224947 | 360720 | 18.44% | 1.980% |
| 39 | 14.900 | 1963 | 1968 | 1974 | rVB2 | 29904 | 48925 | 2.50% | 0.269% |
| 40 | 15.000 | 1980 | 1985 | 1997 | rBV5 | 65209 | 132564 | 6.78% | 0.728% |
| 41 | 15.223 | 2018 | 2023 | 2030 | rVB2 | 65865 | 112812 | 5.77% | 0.619% |
| 42 | 15.299 | 2030 | 2036 | 2042 | rBV2 | 30494 | 51128 | 2.61% | 0.281% |
| 43 | 15.440 | 2053 | 2060 | 2065 | rBV2 | 25777 | 50561 | 2.58% | 0.278% |
| 44 | 15.493 | 2065 | 2069 | 2074 | rVB4 | 23809 | 37072 | 1.89% | 0.204% |
| 45 | 15.617 | 2083 | 2090 | 2092 | rBV5 | 21466 | 40718 | 2.08% | 0.224% |
| 46 | 15.646 | 2092 | 2095 | 2101 | rVB4 | 18677 | 30595 | 1.56% | 0.168% |
| 47 | 15.746 | 2107 | 2112 | 2115 | rBV4 | 9978 | 16529 | 0.84% | 0.091% |
| 48 | 15.787 | 2115 | 2119 | 2120 | rBV3 | 11733 | 14638 | 0.75% | 0.080% |
| 49 | 15.816 | 2120 | 2124 | 2129 | rVV | 198598 | 294414 | 15.05% | 1.616% |
| 50 | 15.869 | 2129 | 2133 | 2138 | rVV4 | 35302 | 60193 | 3.08% | 0.330% |
| 51 | 15.922 | 2138 | 2142 | 2146 | rVV2 | 57842 | 74969 | 3.83% | 0.412% |
| 52 | 15.999 | 2152 | 2155 | 2158 | rVB3 | 13742 | 16716 | 0.85% | 0.092% |
| 53 | 16.034 | 2158 | 2161 | 2165 | rBV4 | 18179 | 25881 | 1.32% | 0.142% |
| 54 | 16.169 | 2174 | 2184 | 2190 | rVB3 | 63500 | 120974 | 6.18% | 0.664% |
| 55 | 16.310 | 2203 | 2208 | 2216 | rVB | 76039 | 157842 | 8.07% | 0.867% |
| 56 | 16.404 | 2216 | 2224 | 2230 | rVB5 | 19302 | 43317 | 2.21% | 0.238% |
| 57 | 16.545 | 2241 | 2248 | 2253 | rVB5 | 26541 | 52378 | 2.68% | 0.288% |
| 58 | 16.680 | 2266 | 2271 | 2274 | rBV6 | 12487 | 17900 | 0.91% | 0.098% |
| 59 | 16.721 | 2276 | 2278 | 2282 | rVV3 | 9229 | 10401 | 0.53% | 0.057% |
| 60 | 16.839 | 2294 | 2298 | 2300 | rBV4 | 8800 | 12771 | 0.65% | 0.070% |
| 61 | 16.874 | 2300 | 2304 | 2309 | rVB6 | 28230 | 47668 | 2.44% | 0.262% |
| 62 | 16.974 | 2317 | 2321 | 2322 | rBV3 | 9946 | 9672 | 0.49% | 0.053% |
| 63 | 17.097 | 2335 | 2342 | 2346 | rBV5 | 67027 | 130832 | 6.69% | 0.718% |
| 64 | 17.138 | 2346 | 2349 | 2353 | rVB3 | 41676 | 55713 | 2.85% | 0.306% |
| 65 | 17.221 | 2358 | 2363 | 2369 | rVV2 | 100849 | 165773 | 8.47% | 0.910% |
| 66 | 17.297 | 2371 | 2376 | 2383 | rVV4 | 68232 | 157005 | 8.02% | 0.862% |
| 67 | 17.391 | 2387 | 2392 | 2403 | rVB2 | 64987 | 118693 | 6.07% | 0.652% |
| 68 | 17.573 | 2417 | 2423 | 2426 | rBV | 301596 | 476713 | 24.37% | 2.617% |
| 69 | 17.614 | 2426 | 2430 | 2435 | rVV | 948012 | 1423868 | 72.78% | 7.817% |
| 70 | 17.667 | 2435 | 2439 | 2443 | rVV | 221180 | 383218 | 19.59% | 2.104% |
| 71 | 17.708 | 2443 | 2446 | 2450 | rVV | 227558 | 314743 | 16.09% | 1.728% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

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-BG120720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.744 | 2450 | 2452 | 2459 | rVB6 | 24348 | 47060 | 2.41% | 0.258% |
| 73 | 17.879 | 2473 | 2475 | 2481 | rVB3 | 28010 | 38832 | 1.98% | 0.213% |
| 74 | 17.961 | 2484 | 2489 | 2492 | rBV5 | 26905 | 49790 | 2.54% | 0.273% |
| 75 | 18.084 | 2507 | 2510 | 2513 | rBV2 | 25370 | 29224 | 1.49% | 0.160% |
| 76 | 18.149 | 2517 | 2521 | 2529 | rVB4 | 56872 | 98558 | 5.04% | 0.541% |
| 77 | 18.249 | 2535 | 2538 | 2542 | rVB4 | 17558 | 25330 | 1.29% | 0.139% |
| 78 | 18.290 | 2543 | 2545 | 2552 | rVB3 | 30780 | 50268 | 2.57% | 0.276% |
| 79 | 18.361 | 2555 | 2557 | 2561 | rVB3 | 29066 | 33104 | 1.69% | 0.182% |
| 80 | 18.443 | 2566 | 2571 | 2575 | rBV | 234192 | 344795 | 17.62% | 1.893% |
| 81 | 18.490 | 2575 | 2579 | 2586 | rVB | 320668 | 494929 | 25.30% | 2.717% |
| 82 | 18.572 | 2588 | 2593 | 2598 | rVB | 130121 | 180998 | 9.25% | 0.994% |
| 83 | 18.637 | 2598 | 2604 | 2607 | rBV2 | 185108 | 382689 | 19.56% | 2.101% |
| 84 | 18.731 | 2616 | 2620 | 2622 | rBV4 | 24822 | 31652 | 1.62% | 0.174% |
| 85 | 18.930 | 2649 | 2654 | 2658 | rBV | 149319 | 217770 | 11.13% | 1.196% |
| 86 | 18.972 | 2658 | 2661 | 2667 | rVB2 | 110293 | 153859 | 7.86% | 0.845% |
| 87 | 19.177 | 2692 | 2696 | 2700 | rVB3 | 57089 | 74750 | 3.82% | 0.410% |
| 88 | 19.224 | 2701 | 2704 | 2707 | rBV | 52416 | 55920 | 2.86% | 0.307% |
| 89 | 19.342 | 2720 | 2724 | 2729 | rBV2 | 136043 | 221880 | 11.34% | 1.218% |
| 90 | 19.483 | 2744 | 2748 | 2757 | rVB2 | 170102 | 294086 | 15.03% | 1.615% |
| 91 | 19.612 | 2764 | 2770 | 2775 | rBV | 1414626 | 1956514 | 100.00% | 10.742% |
| 92 | 19.700 | 2782 | 2785 | 2790 | rVB5 | 62835 | 91284 | 4.67% | 0.501% |
| 93 | 19.935 | 2820 | 2825 | 2828 | rBV2 | 536036 | 913139 | 46.67% | 5.013% |
| 94 | 19.970 | 2828 | 2831 | 2837 | rVV | 1123348 | 1528380 | 78.12% | 8.391% |
| 95 | 20.035 | 2838 | 2842 | 2848 | rVB2 | 142637 | 230524 | 11.78% | 1.266% |
| 96 | 20.141 | 2857 | 2860 | 2865 | rVB | 138589 | 178881 | 9.14% | 0.982% |
| 97 | 20.276 | 2879 | 2883 | 2884 | rBV2 | 151386 | 171161 | 8.75% | 0.940% |
| 98 | 21.222 | 3040 | 3044 | 3050 | rVB | 289279 | 425318 | 21.74% | 2.335% |
| 99 | 21.833 | 3143 | 3148 | 3155 | rBV3 | 744763 | 1684999 | 86.12% | 9.251% |
| 100 | 21.903 | 3156 | 3160 | 3167 | rVB | 520741 | 889562 | 45.47% | 4.884% |

Sum of corrected areas: 18214034

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
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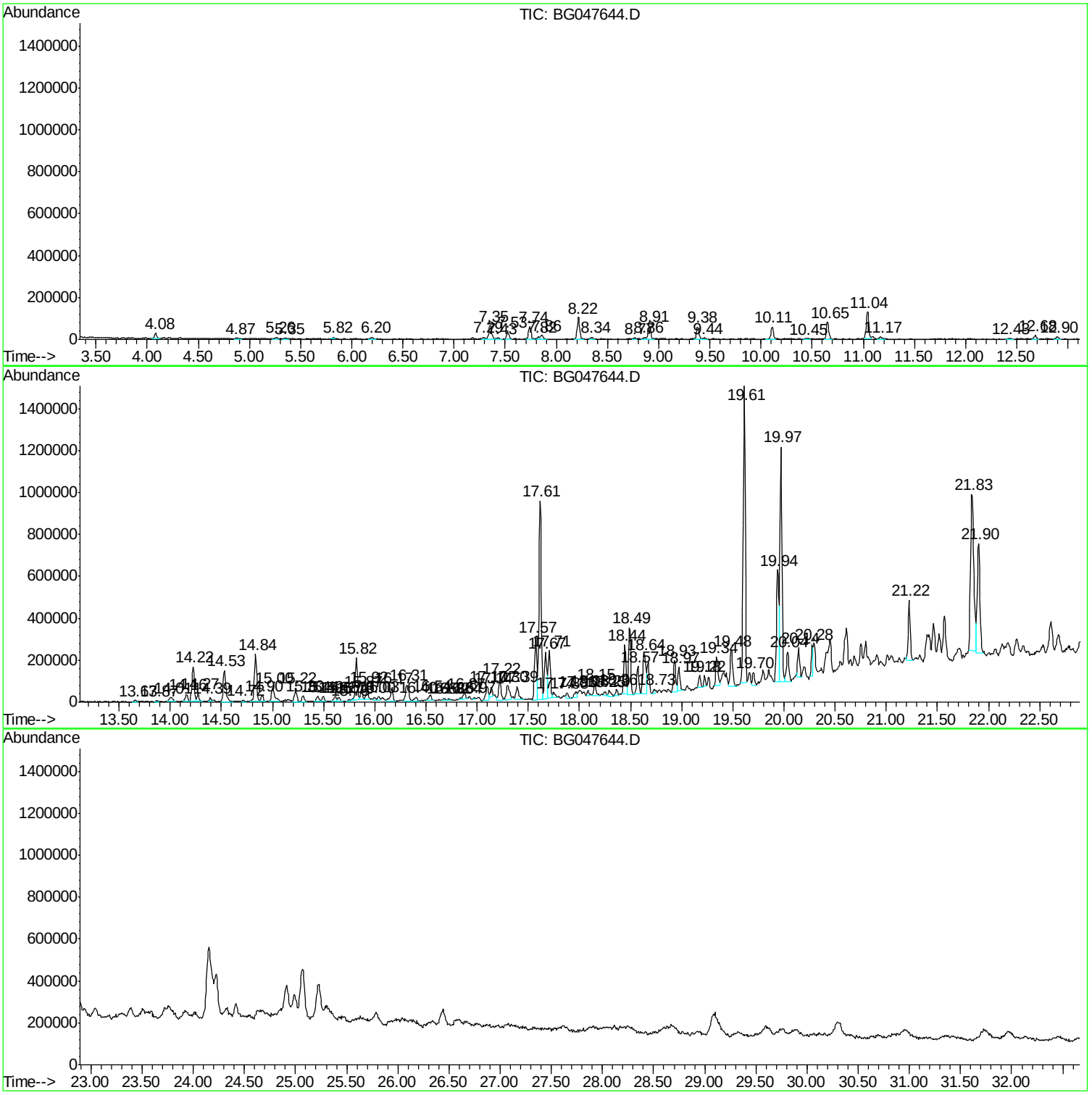
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

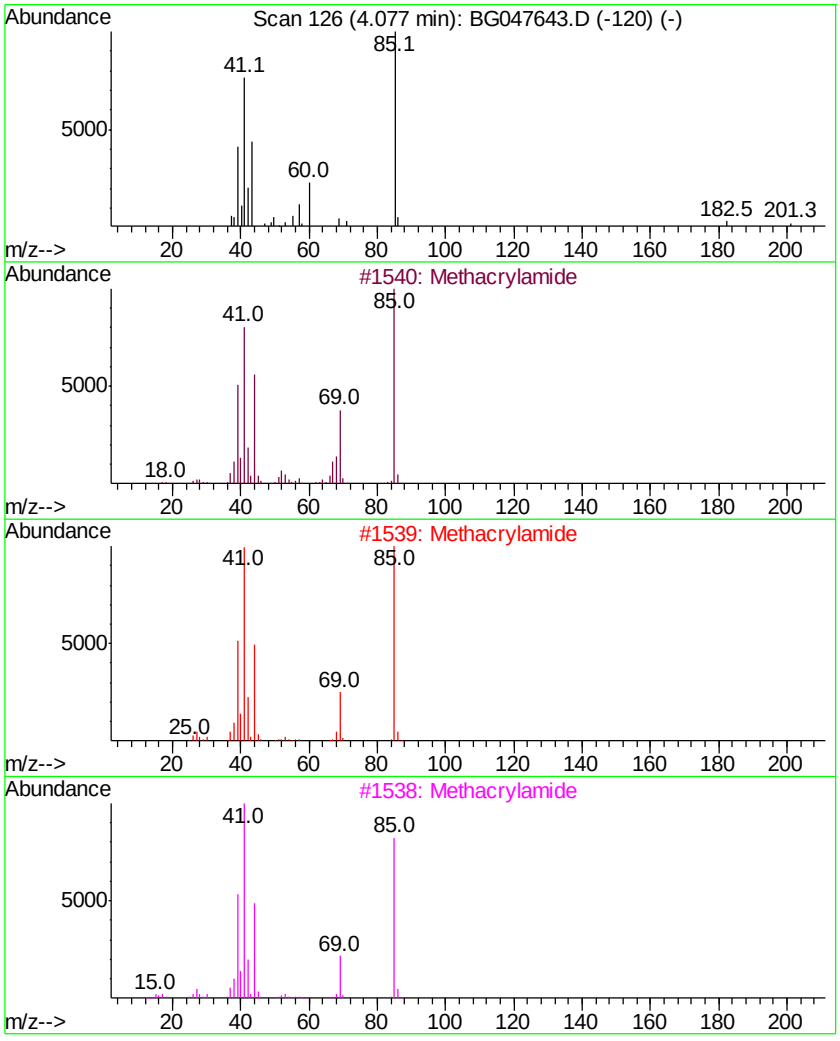
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

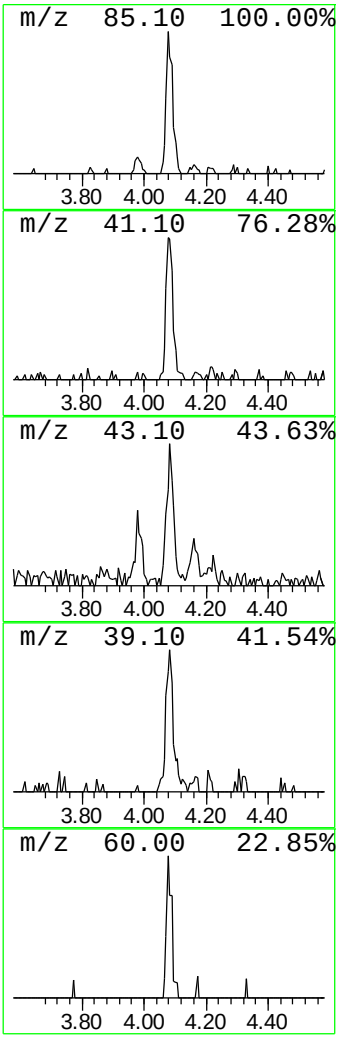
**********

Peak Number 1 Methacrylamide Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.08 | 4.60 ng/ul | 42957 | 1,4-Dichlorobenzene-d4 | 8.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 64 |
| 2 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 64 |
| 3 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 64 |
| 4 | trans-Crotonamide | 85 | C4H7NO | 000625-37-6 | 58 |
| 5 | 3-Butenoic acid | 86 | C4H6O2 | 000625-38-7 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

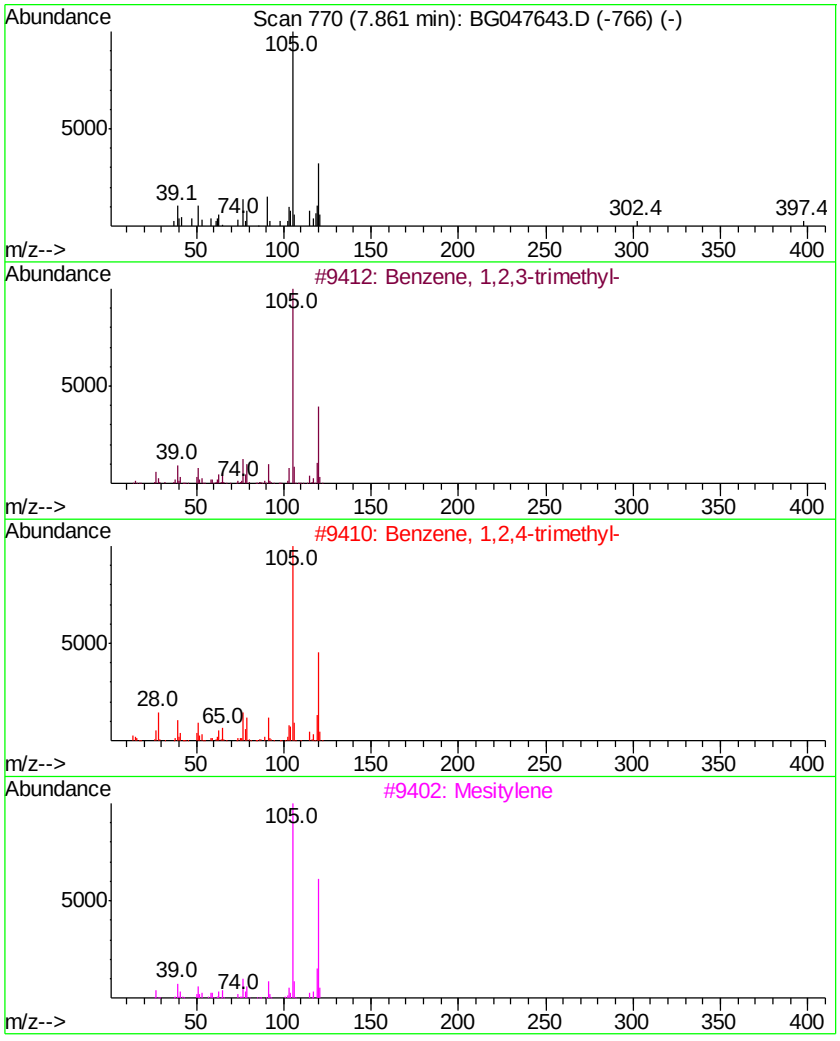
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

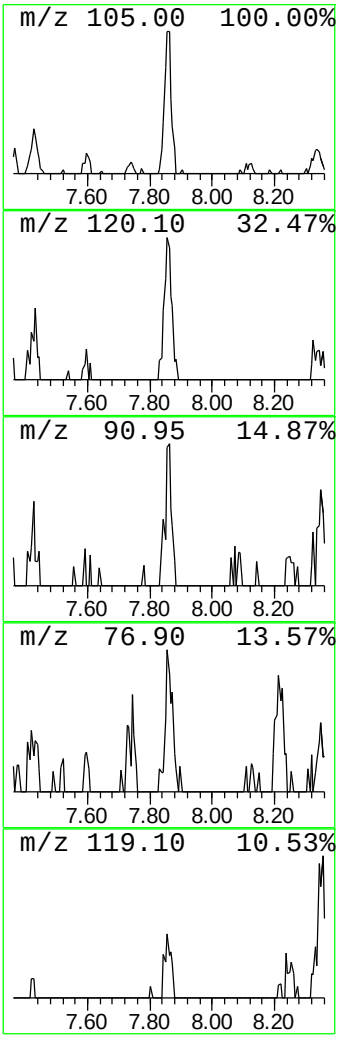
**********

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.86 | 3.51 ng/ul | 32773 | 1,4-Dichlorobenzene-d4 | 8.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 81 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 70 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 64 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 64 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 64 |



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

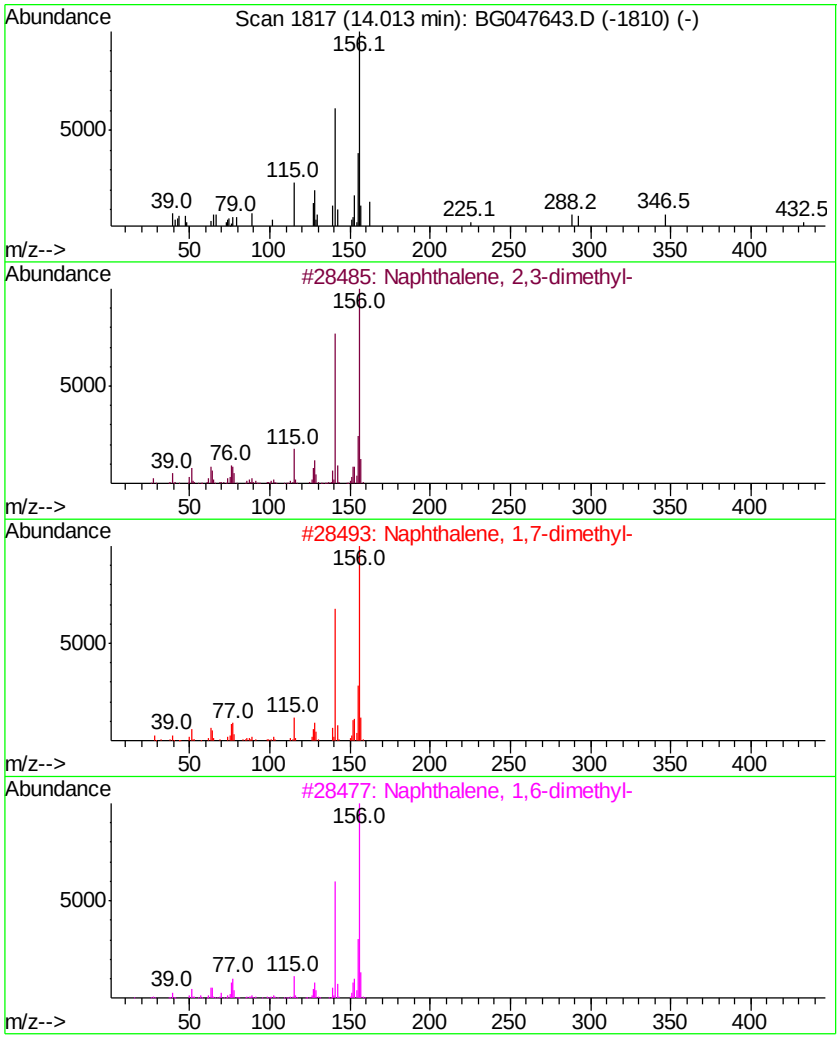
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

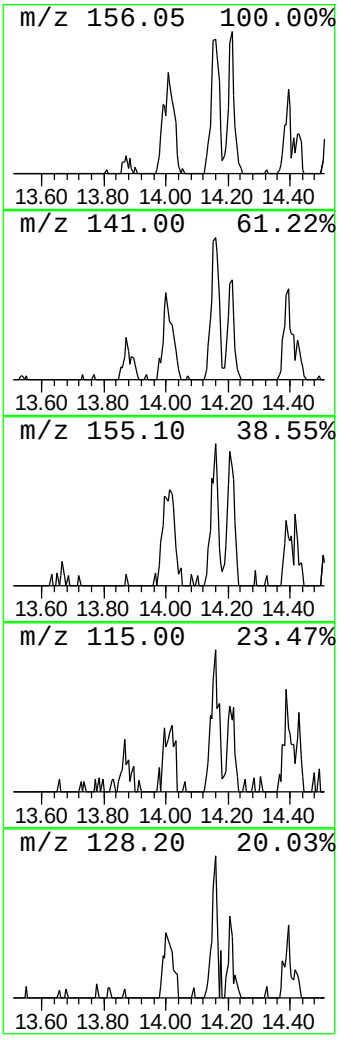
**********

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.01 | 2.62 ng/ul | 47248 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 94 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 93 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 91 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 90 |



# Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

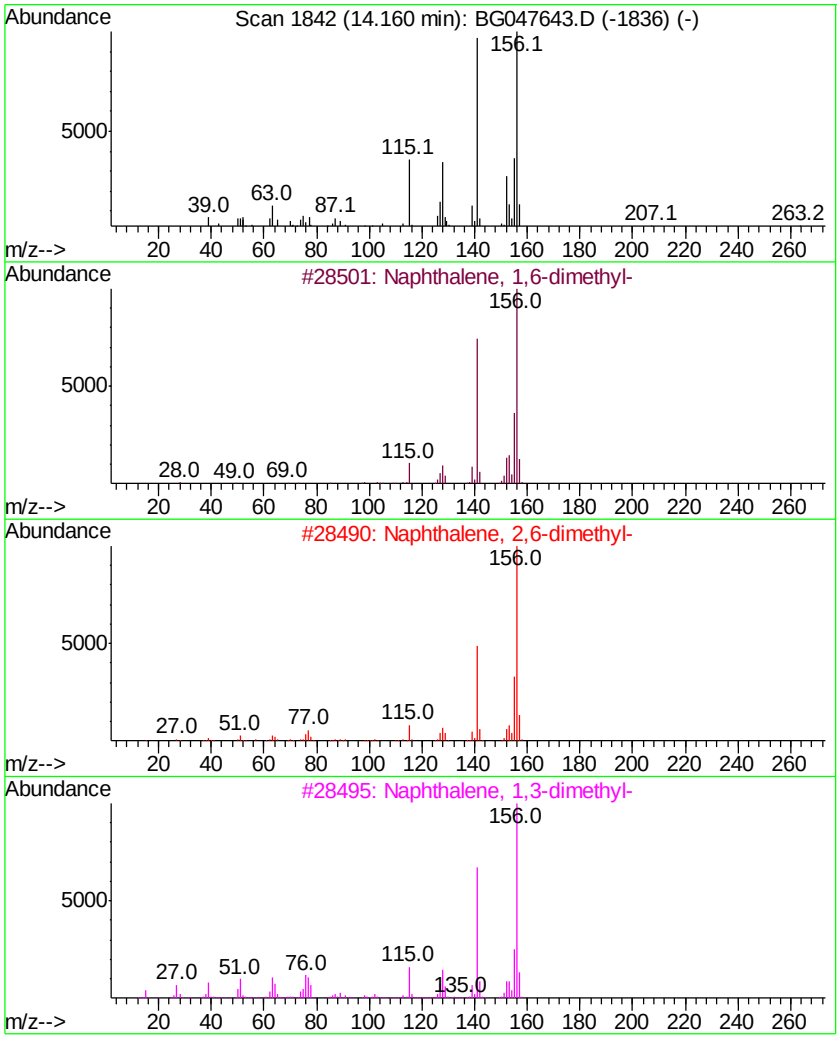
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

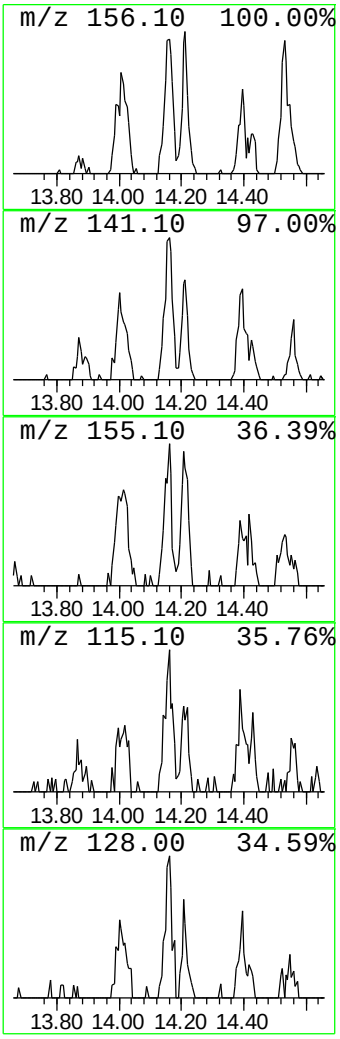
**********

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.16 | 3.13 ng/ul | 56430 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 93 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 93 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 93 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

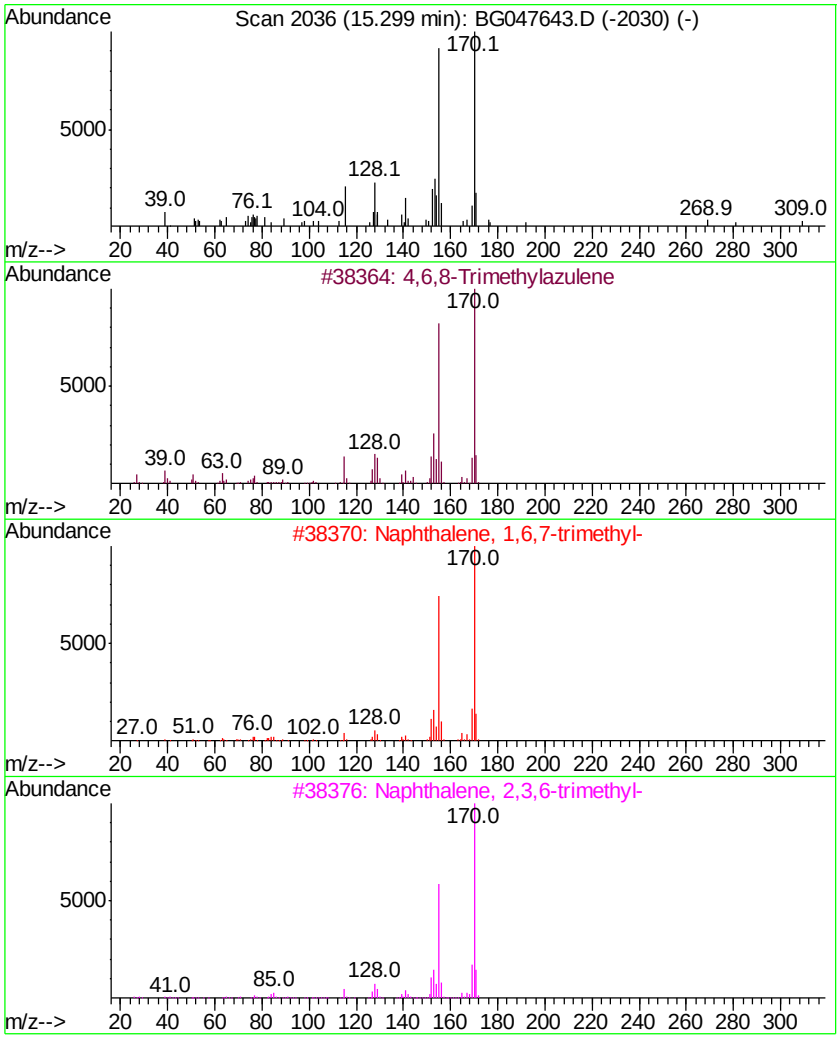
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

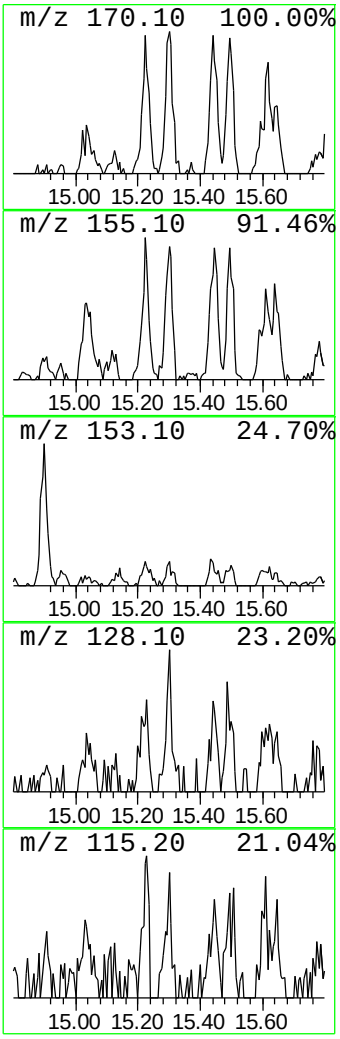
**********

Peak Number 5 4,6,8-Trimethylazulene Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.30 | 2.83 ng/ul | 51128 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 95 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 5 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 91 |



Library Search Compound Report

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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

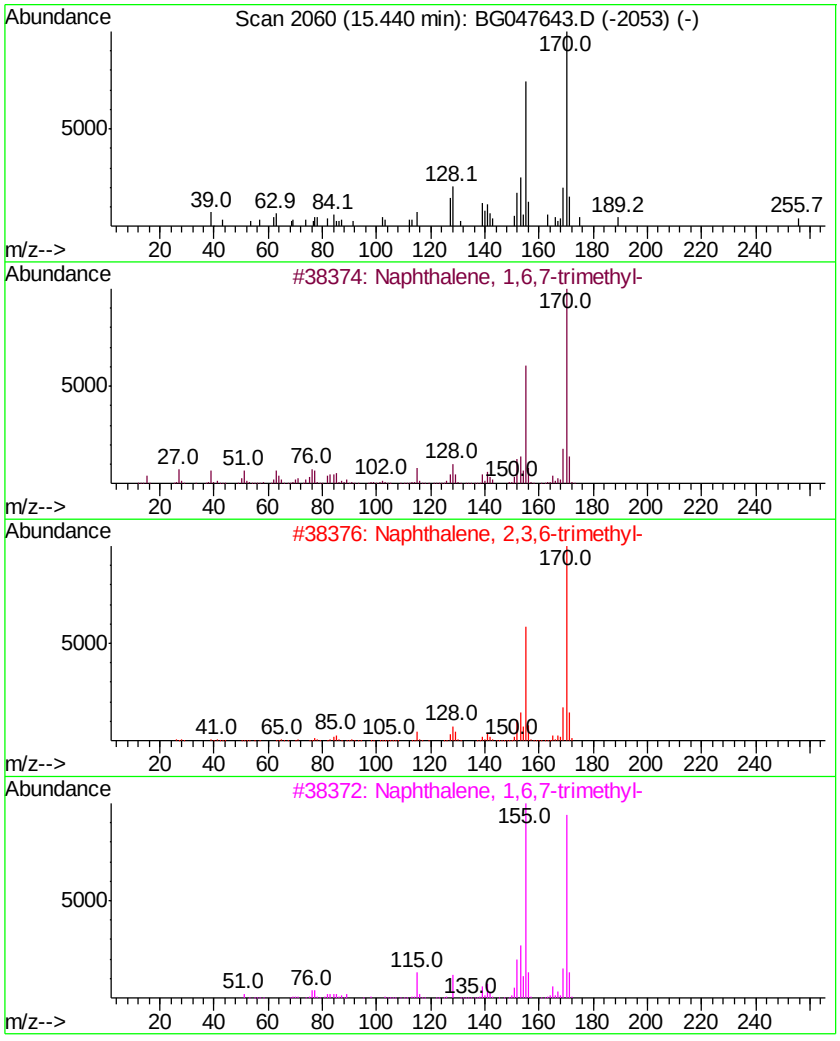
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

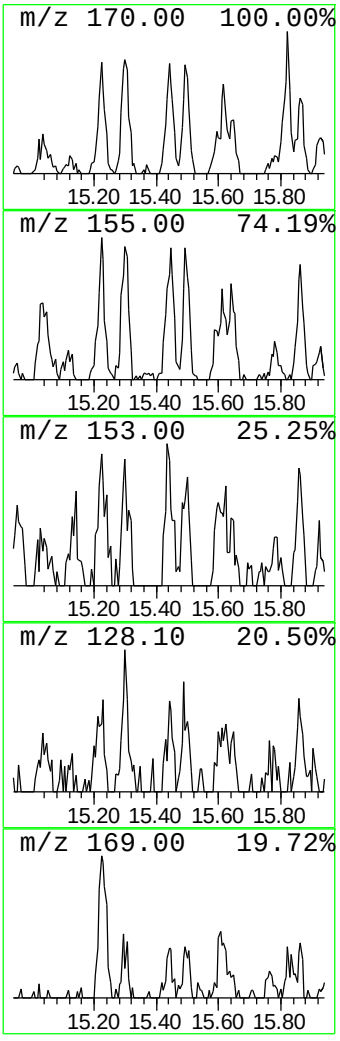
**********

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.44 | 2.80 ng/ul | 50561 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 91 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 91 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 90 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 90 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 87 |



Library Search Compound Report

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Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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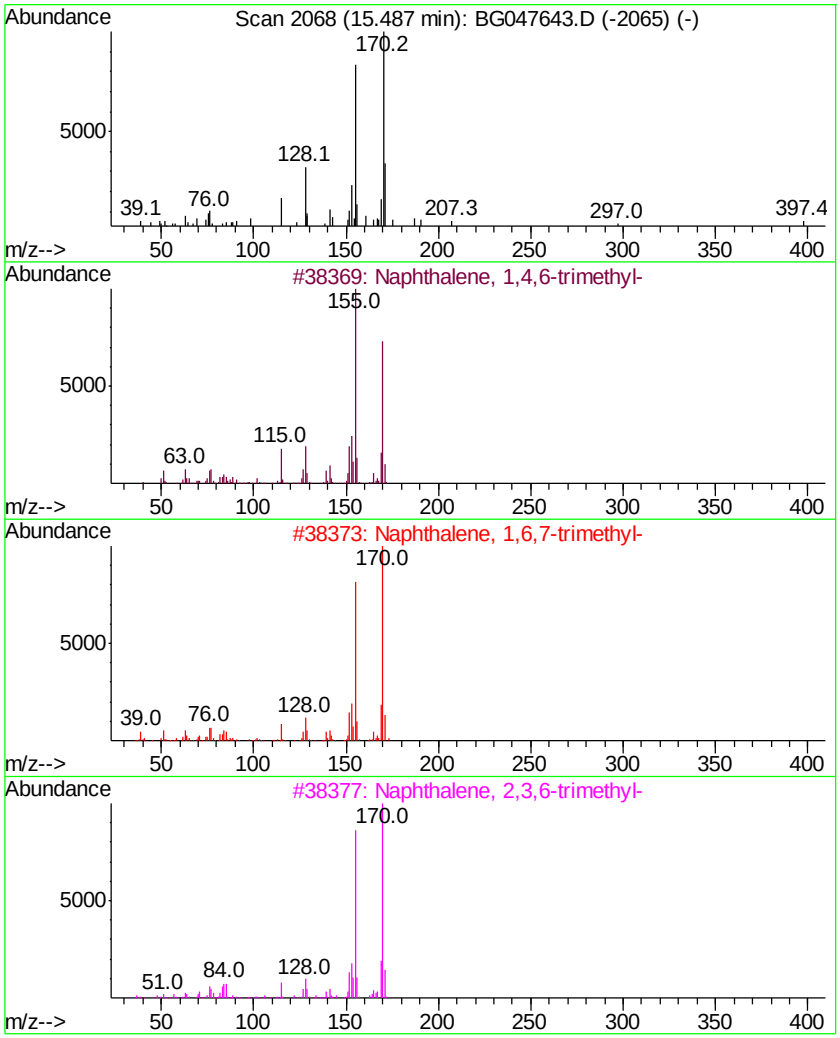
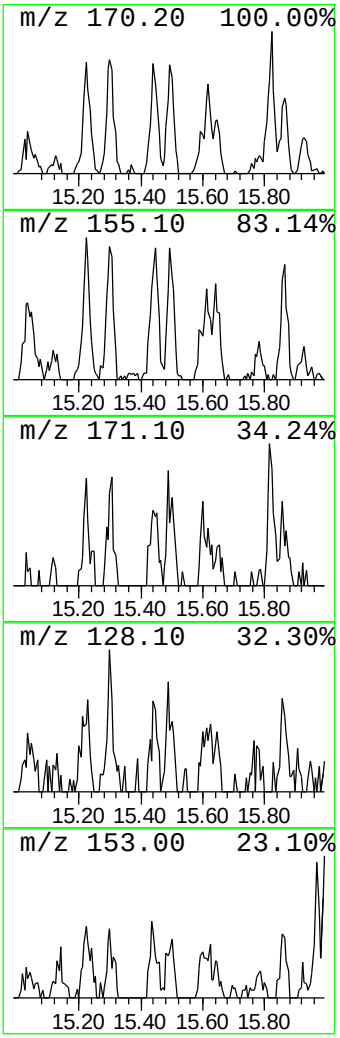
Peak Number 7 Naphthalene, 1,4,6-trimethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.49 | 2.06 ng/ul | 37072 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 95 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |
| 5 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |



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Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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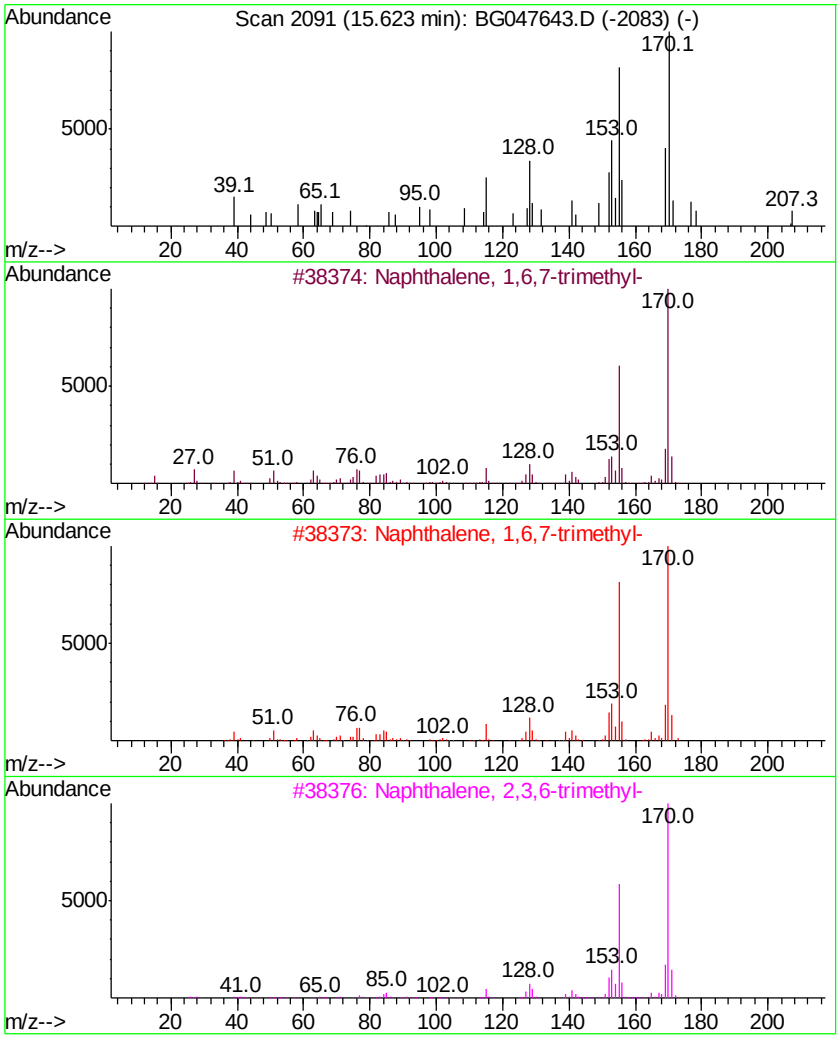
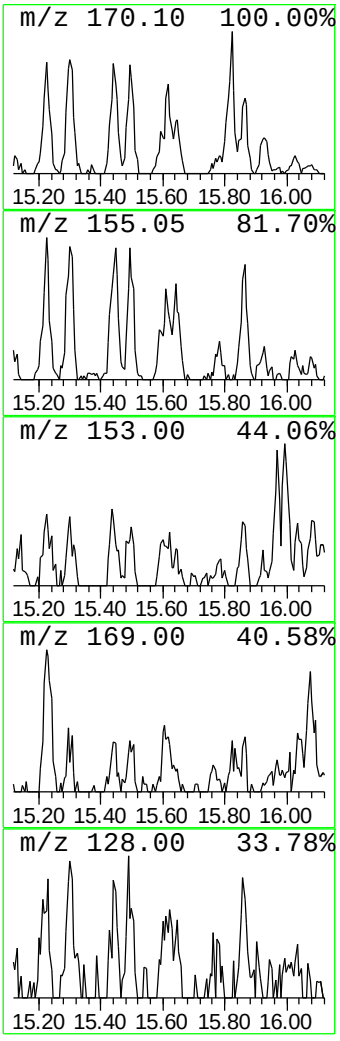
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.62 | 2.26 ng/ul | 40718 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 70 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 68 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 68 |
| 4 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 64 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 64 |



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Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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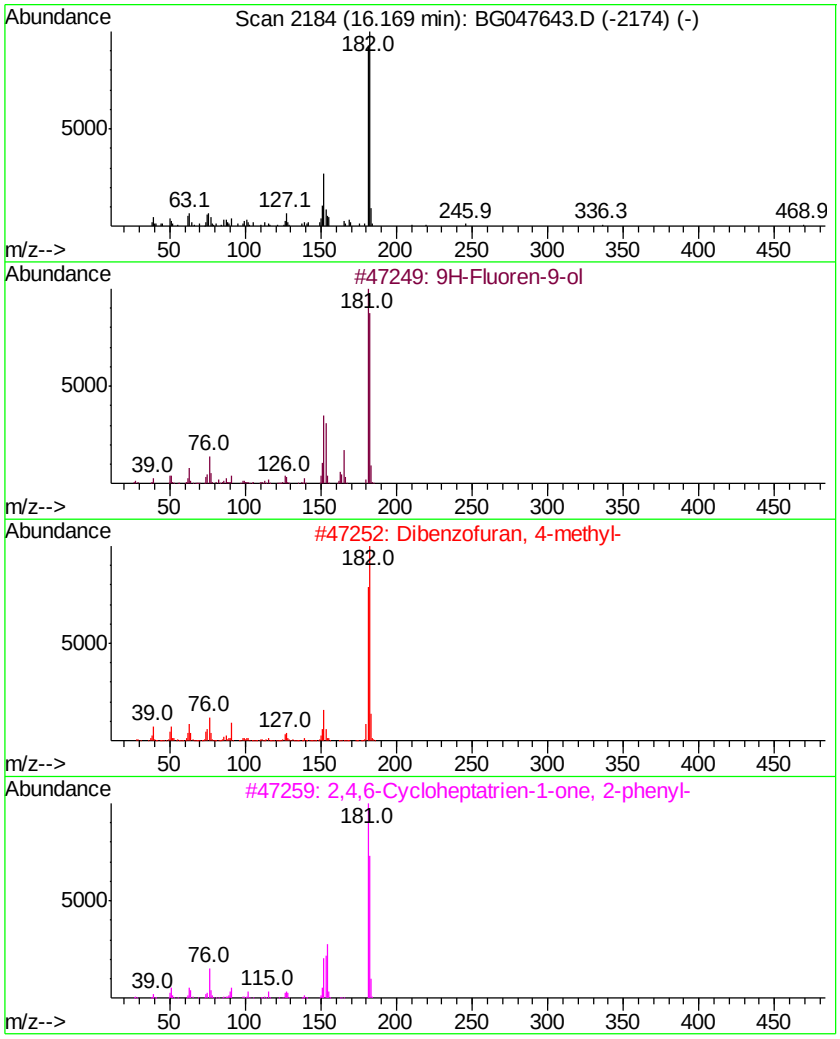
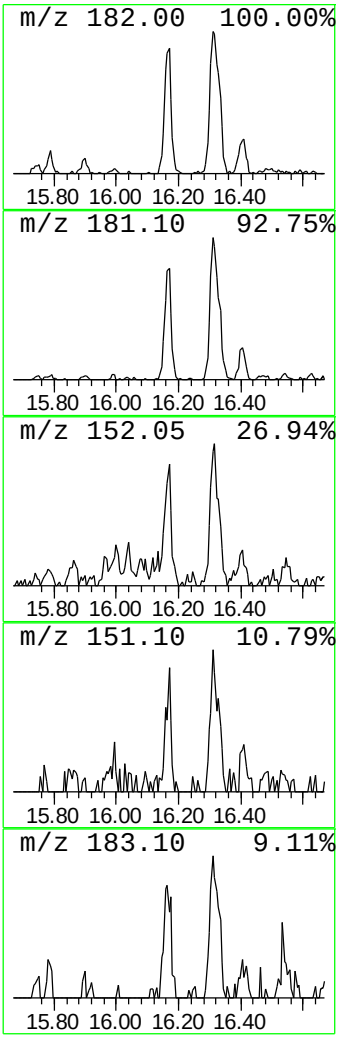
Peak Number 9 9H-Fluoren-9-ol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.17 | 6.71 ng/ul | 120974 | Acenaphthene-d10 | 14.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 91 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 90 |
| 3 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 90 |
| 4 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |



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Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

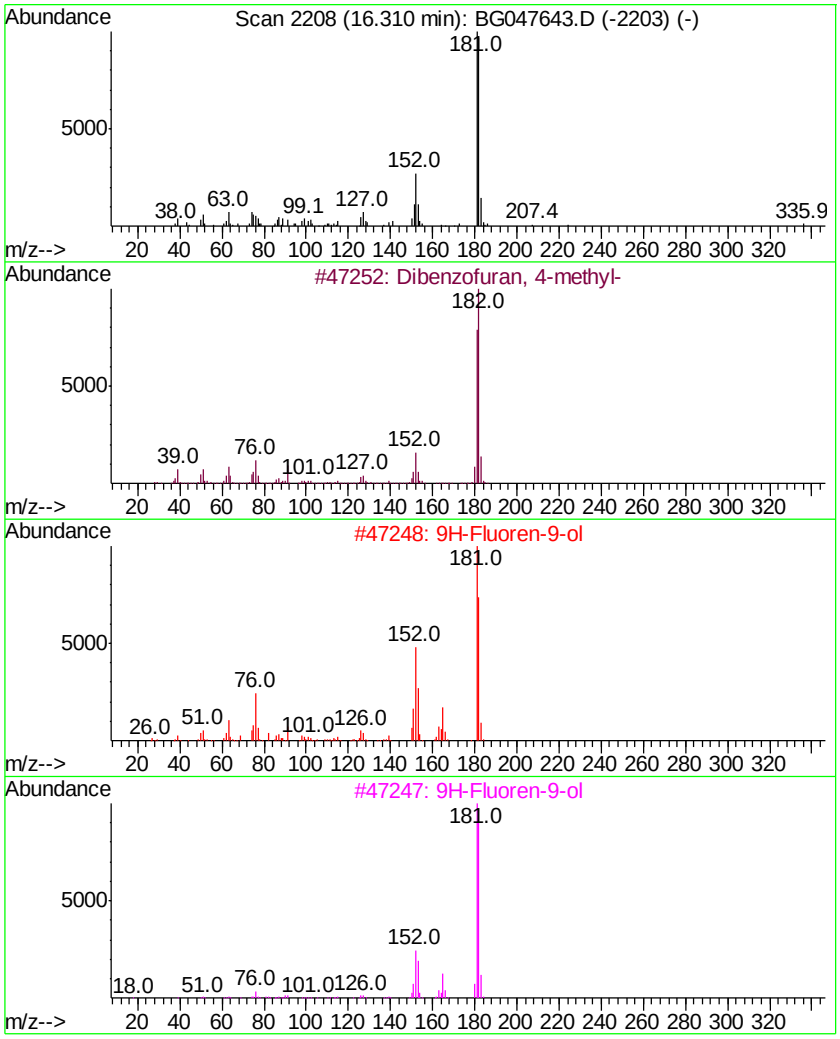
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

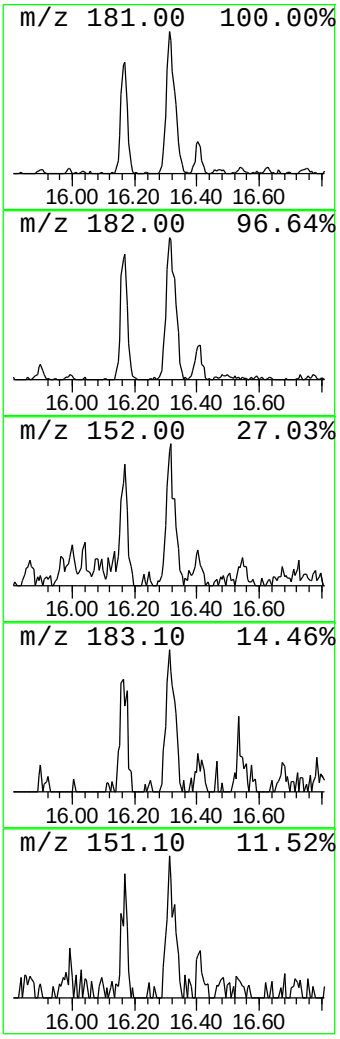
**********

Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.31 | 6.62 ng/ul | 157842 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 90 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 87 |
| 4 | 9H-Fluoren-9-ol, acetate | 224 | C15H12O2 | 025017-68-9 | 83 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 74 |



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Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

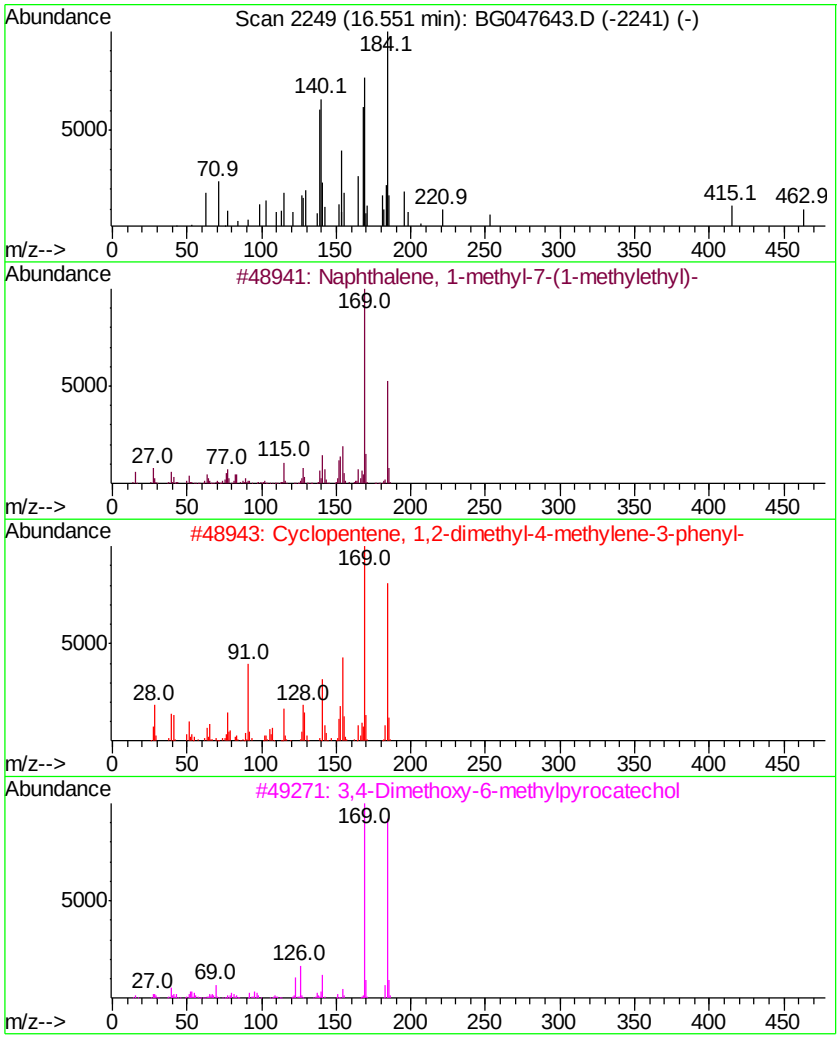
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

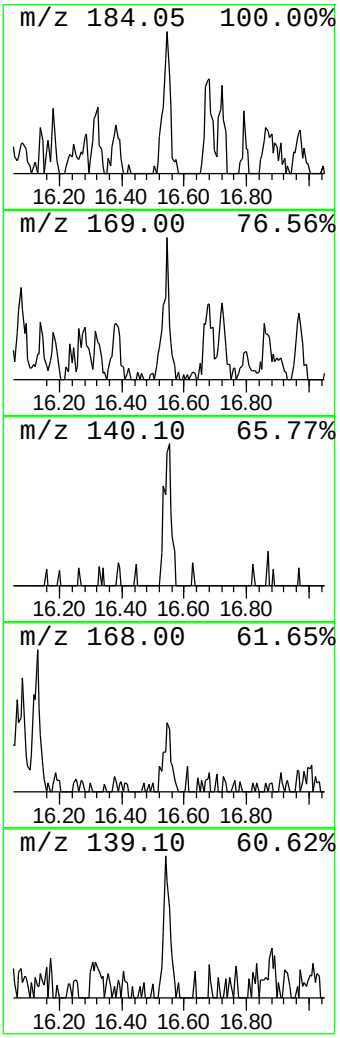
**********

Peak Number 11 unknown-01 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.55 | 2.20 ng/ul | 52378 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16 | 000490-65-3 | 49 |
| 2 | Cyclopentene, 1,2-dimethyl-4-met... | 184 | C14H16 | 1000152-22-4 | 46 |
| 3 | 3,4-Dimethoxy-6-methylpyrocatechol | 184 | C9H12O4 | 054826-79-8 | 43 |
| 4 | Barbituric acid, 5-ethyl-1-methy... | 240 | C12H20N2O3 | 057562-99-9 | 38 |
| 5 | Naphthalene, 1,2,3,4-tetramethyl- | 184 | C14H16 | 003031-15-0 | 38 |



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Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

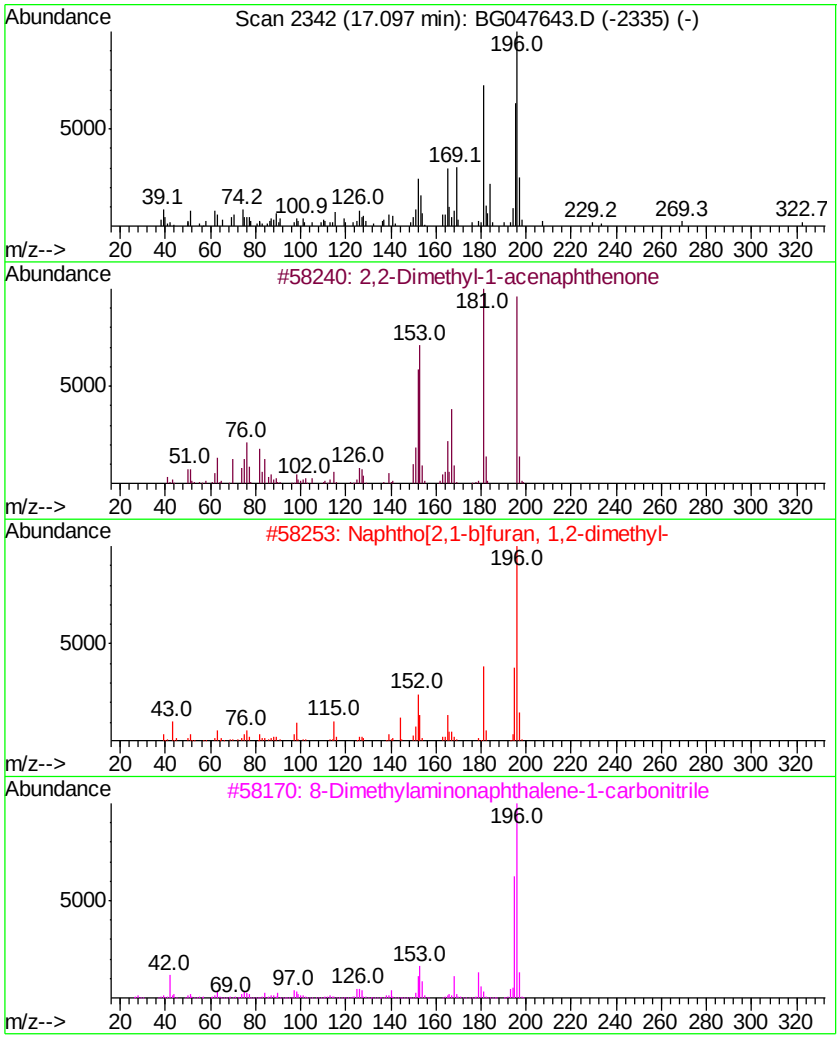
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

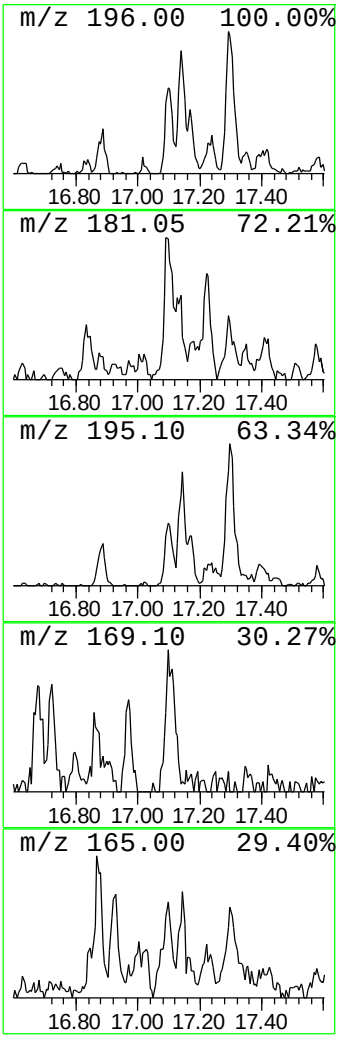
**********

Peak Number 12 unknown-02 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.10 | 5.49 ng/ul | 130832 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2-Dimethyl-1-acenaphthenone | 196 | C14H12O | 018086-43-6 | 49 |
| 2 | Naphtho[2,1-b]furan, 1,2-dimethyl- | 196 | C14H12O | 129812-23-3 | 49 |
| 3 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 46 |
| 4 | Benzaldehyde, 2,4,5-trimethoxy- | 196 | C10H12O4 | 004460-86-0 | 46 |
| 5 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 46 |



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Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

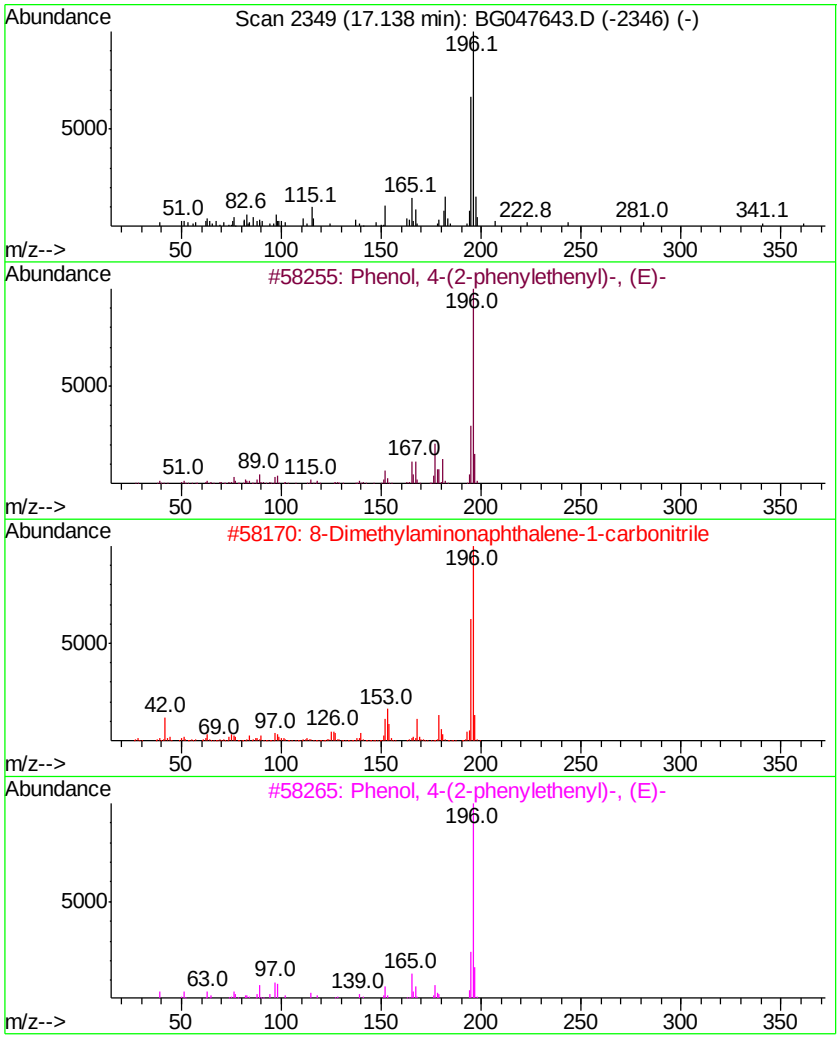
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

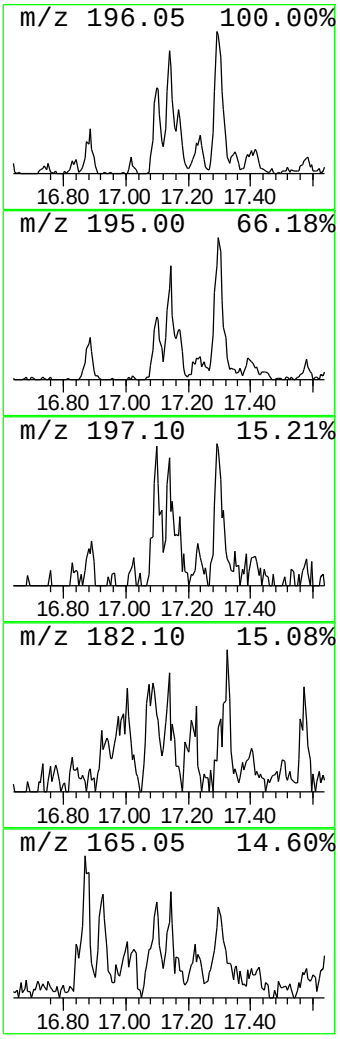
**********

Peak Number 13 Phenol, 4-(2-phenylethenyl)... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.14 | 2.34 ng/ul | 55713 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 72 |
| 2 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 72 |
| 3 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 64 |
| 4 | Benzenamine, 4-[(E)-2-(4-pyridin... | 196 | C13H12N2 | 1000351-61-4 | 59 |
| 5 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 53 |



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Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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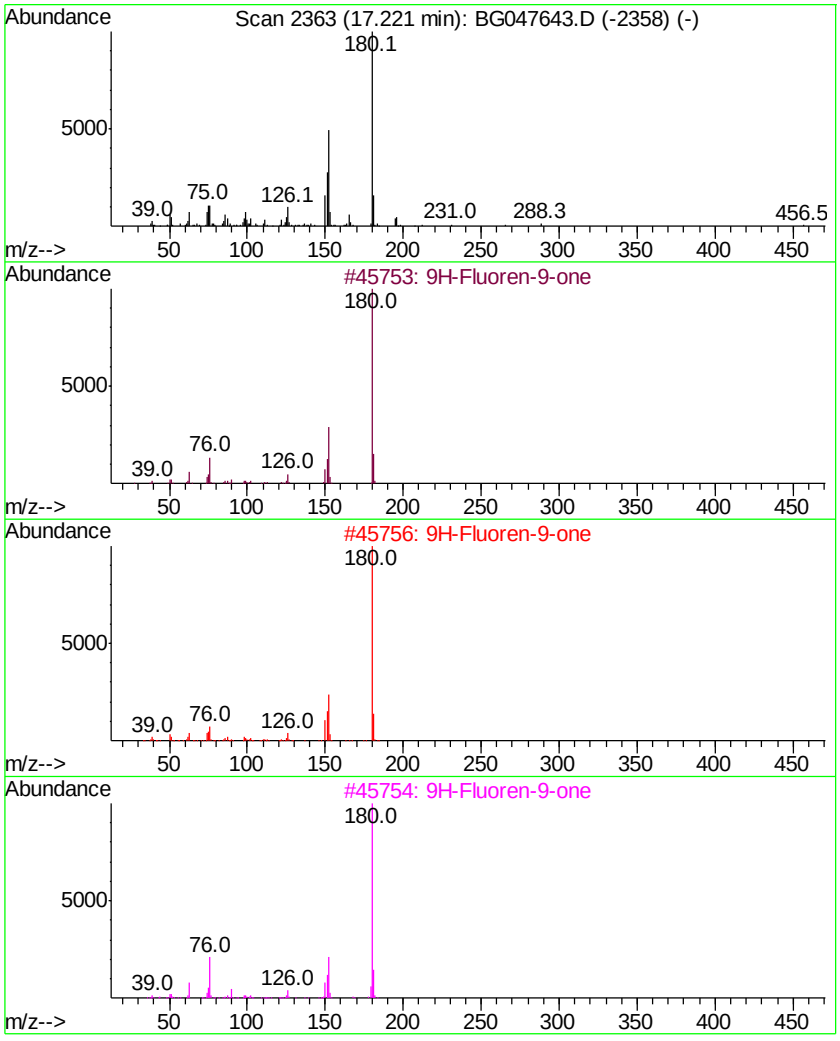
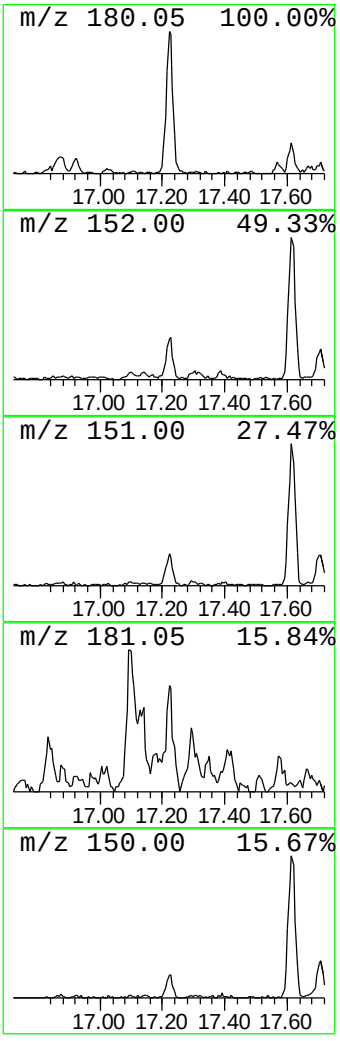
Peak Number 14 9H-Fluoren-9-one Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.22 | 6.95 ng/ul | 165773 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 91 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 91 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 5 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 83 |



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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

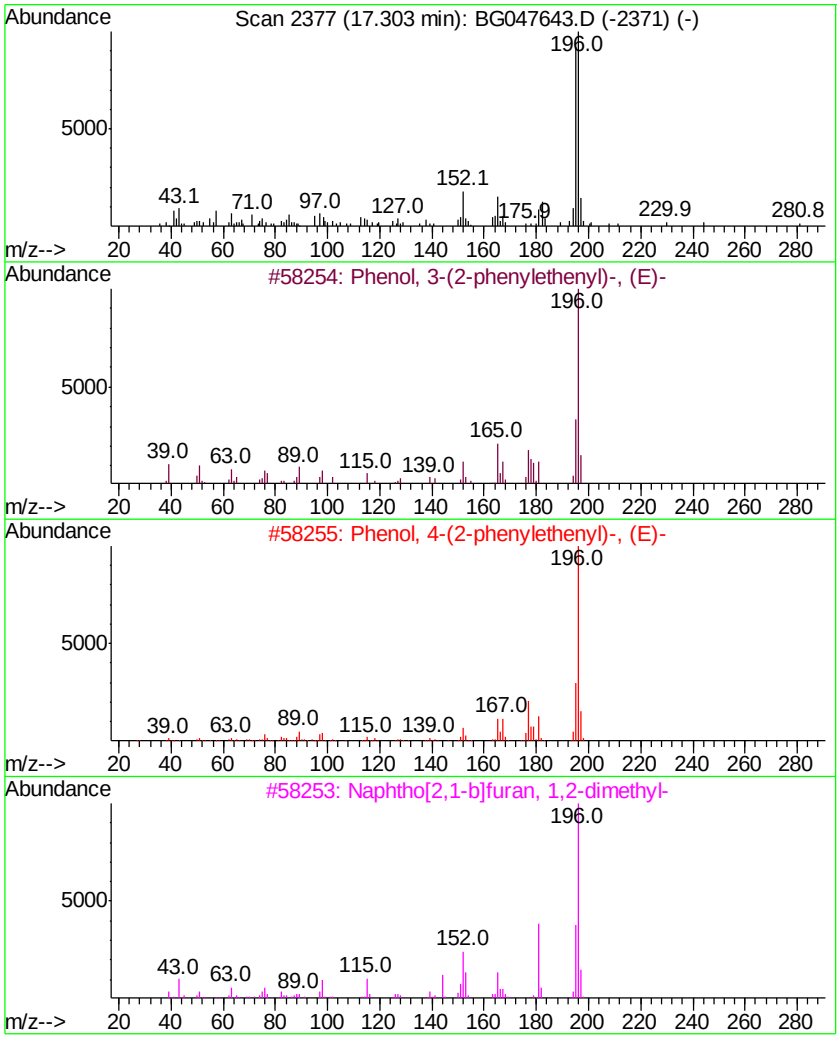
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

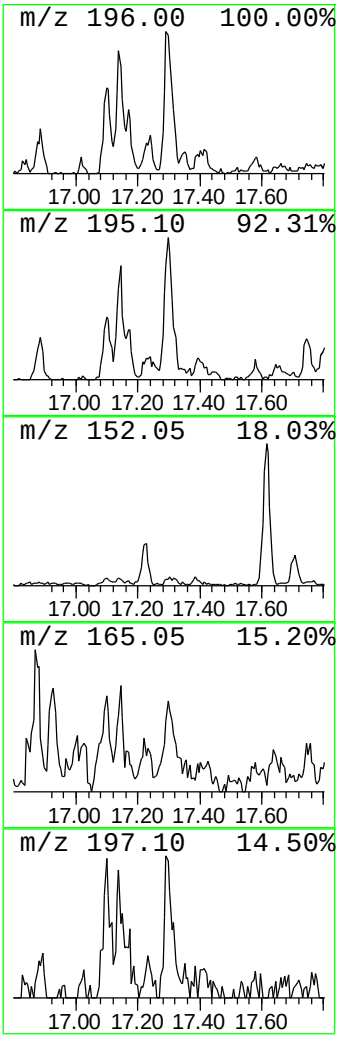
**********

Peak Number 15 Phenol, 3-(2-phenylethenyl)... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.30 | 6.59 ng/ul | 157005 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 50 |
| 2 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 50 |
| 3 | Naphtho[2,1-b]furan, 1,2-dimethyl- | 196 | C14H12O | 129812-23-3 | 47 |
| 4 | 9H-Fluorene-2,7-diamine | 196 | C13H12N2 | 000525-64-4 | 43 |
| 5 | 9H-Fluorene-2,7-diamine | 196 | C13H12N2 | 000525-64-4 | 43 |



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
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Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

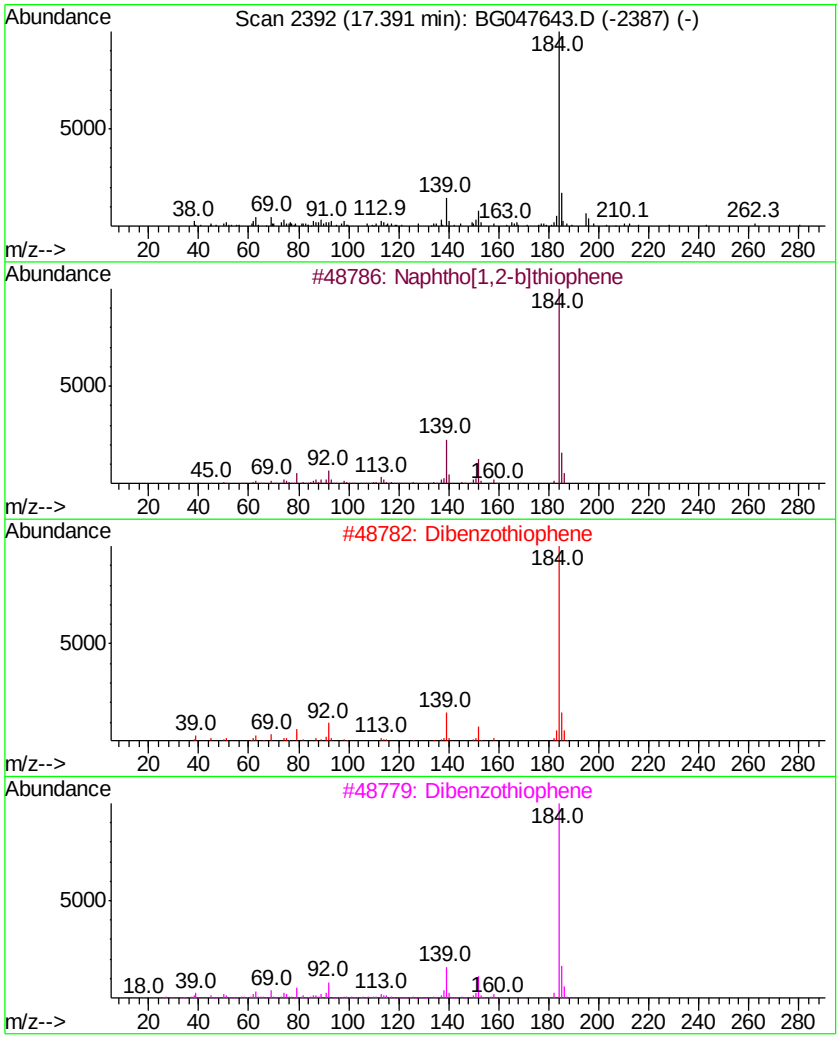
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

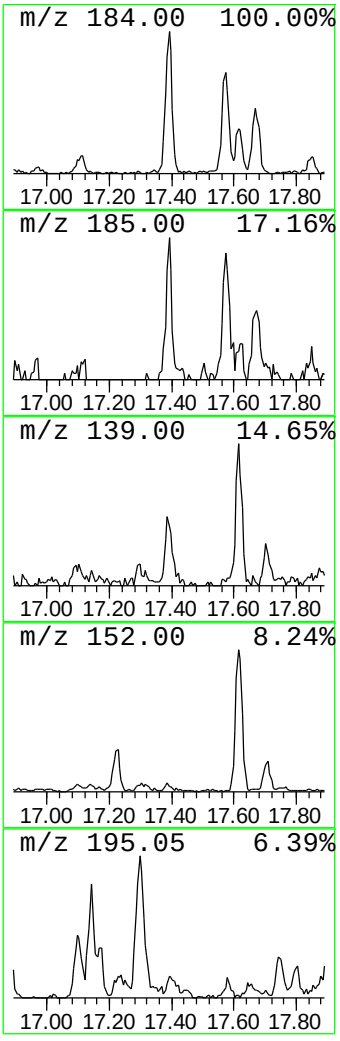
**********

Peak Number 16 Naphtho[1,2-b]thiophene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.39 | 4.98 ng/ul | 118693 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 81 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 81 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 81 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 74 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

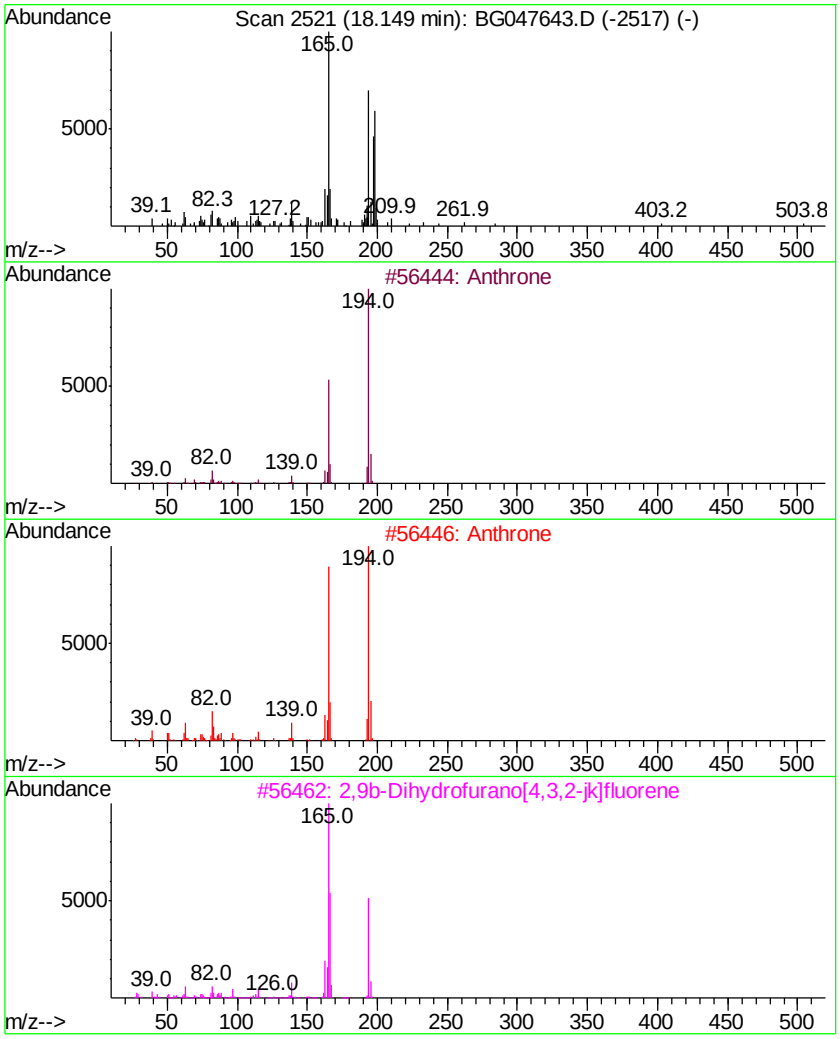
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

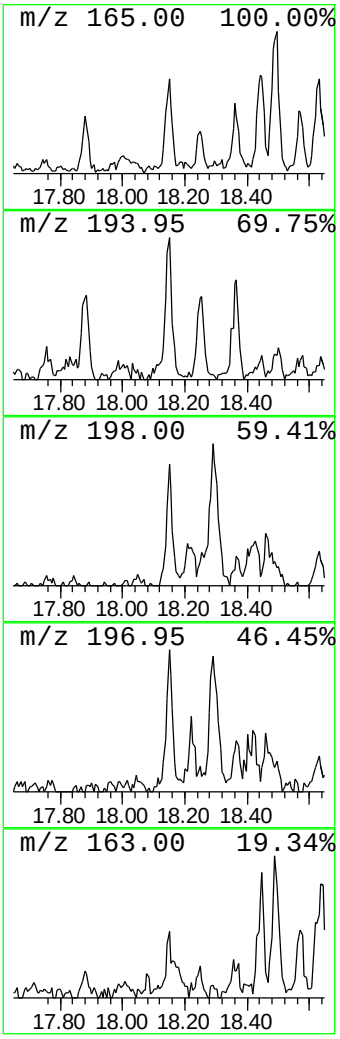
**********

Peak Number 17 Anthrone Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.15 | 4.13 ng/ul | 98558 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthrone | 194 | C14H10O | 000090-44-8 | 60 |
| 2 | Anthrone | 194 | C14H10O | 000090-44-8 | 60 |
| 3 | 2,9b-Dihydrofurano[4,3,2-jk]fluo... | 194 | C14H10O | 204396-15-6 | 60 |
| 4 | 3-Phenanthrol | 194 | C14H10O | 000605-87-8 | 60 |
| 5 | 2-Phenanthrenol | 194 | C14H10O | 000605-55-0 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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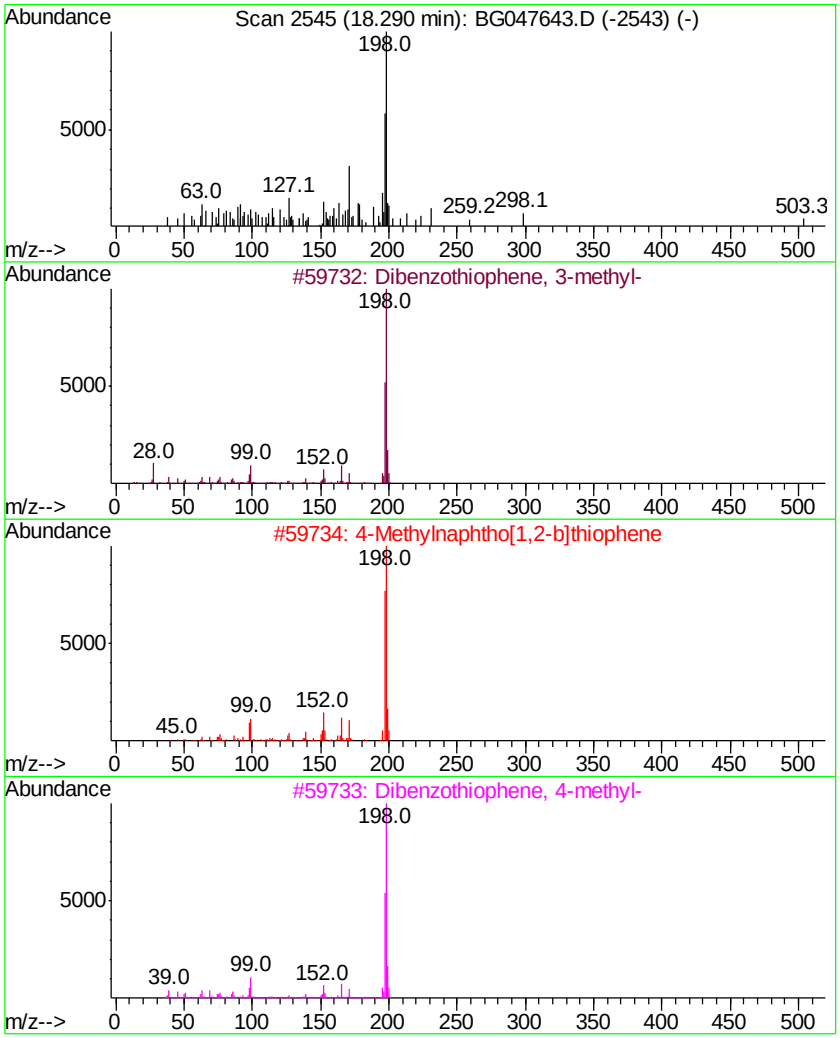
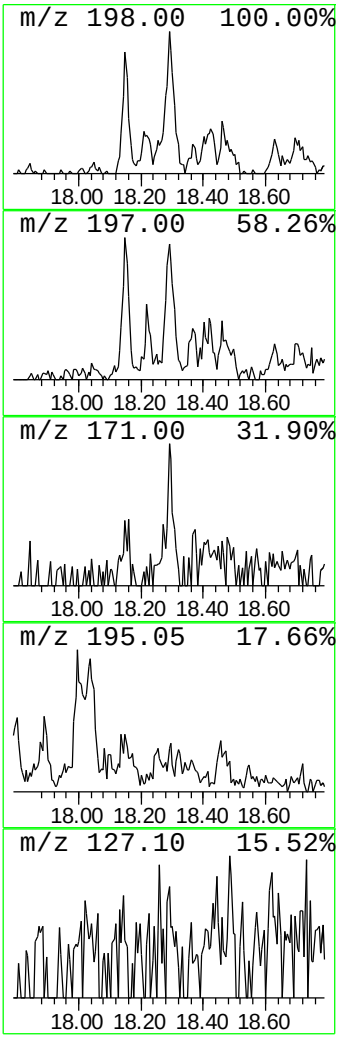
Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.29 | 2.11 ng/ul | 50268 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 62 |
| 2 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 58 |
| 3 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 52 |
| 4 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 52 |
| 5 | Benzene, 1,1'-(1-fluoro-1,2-ethe... | 198 | C14H11F | 000671-19-2 | 50 |



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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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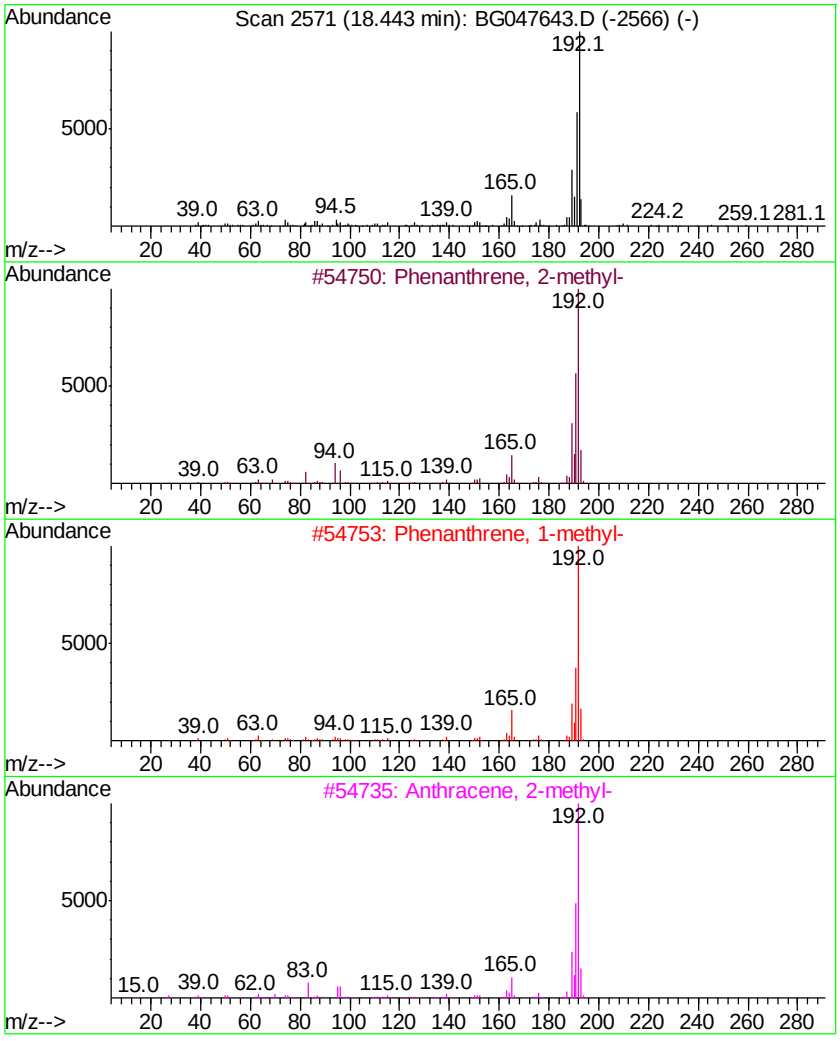
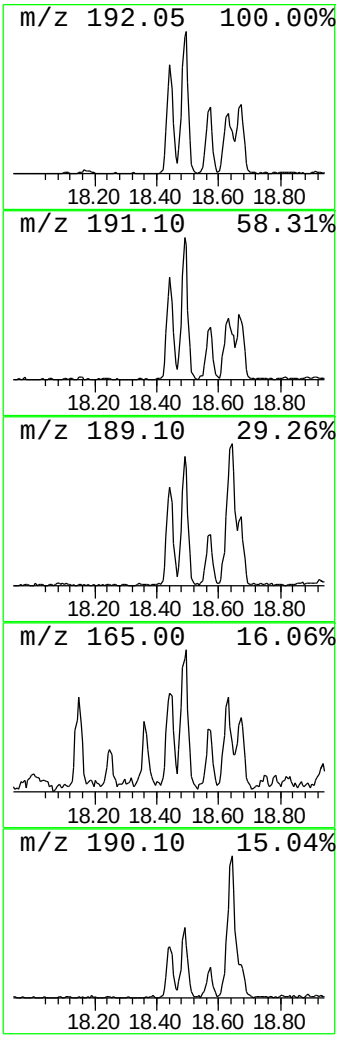
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.44 | 14.47 ng/ul | 344795 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Library Search Compound Report

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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

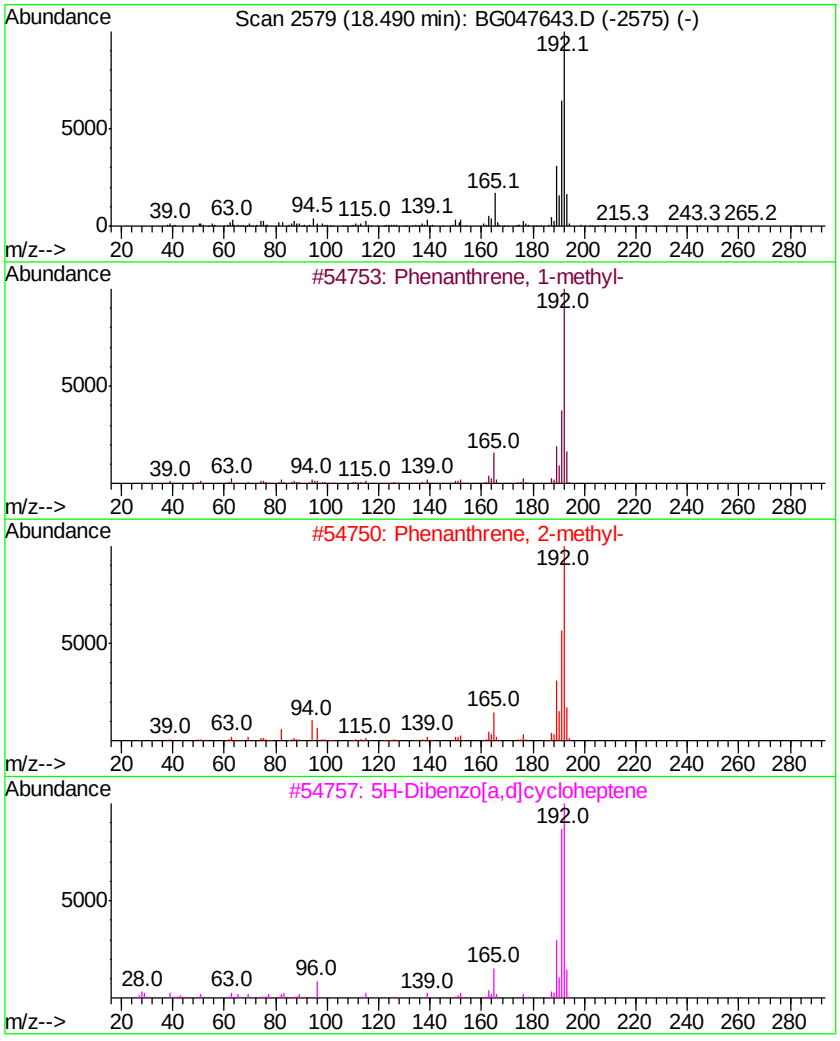
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

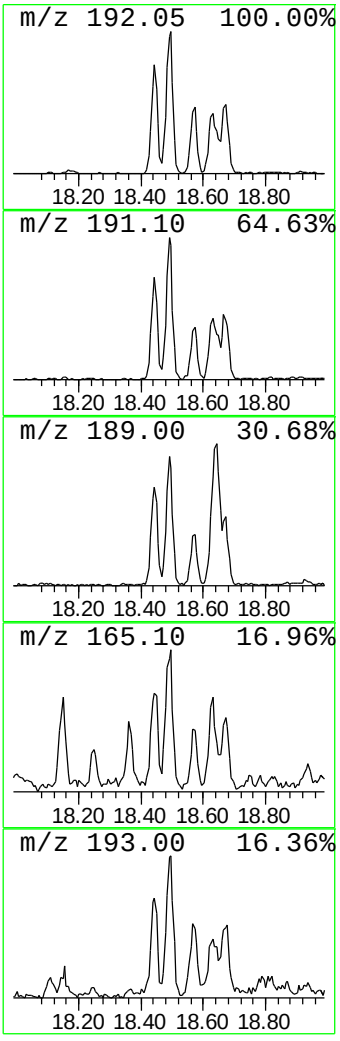
**********

Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.49 | 20.76 ng/ul | 494929 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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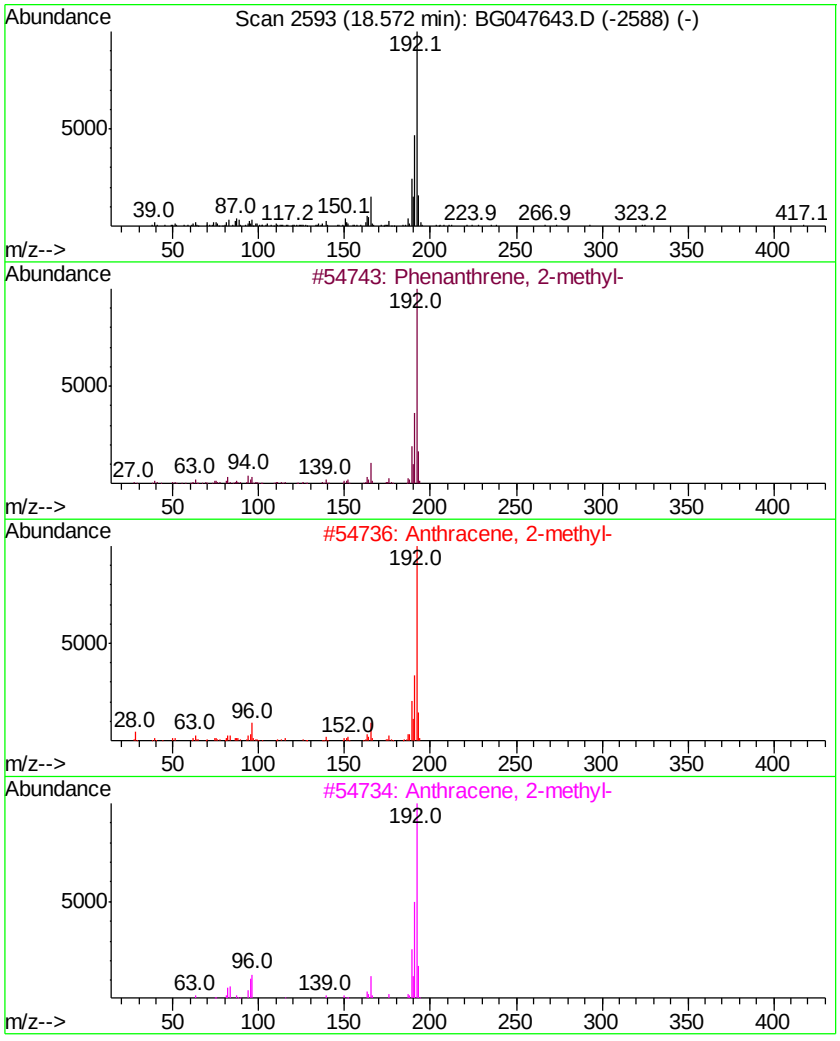
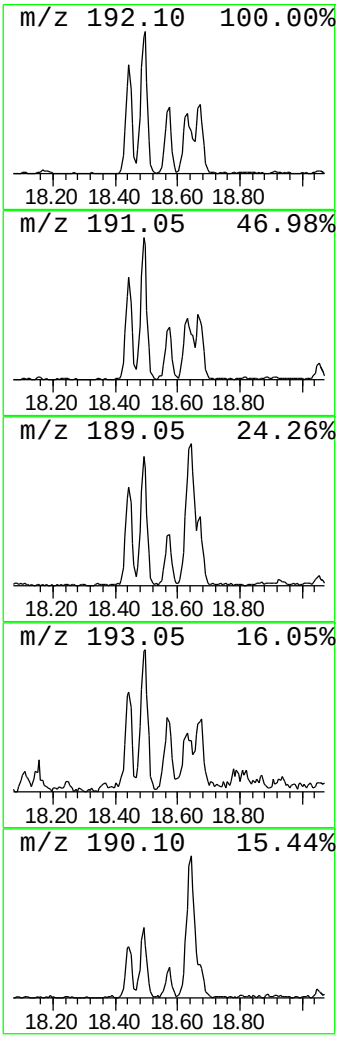
Peak Number 21 Anthracene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.57 | 7.59 ng/ul | 180998 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 91 |



# Library Search Compound Report

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Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

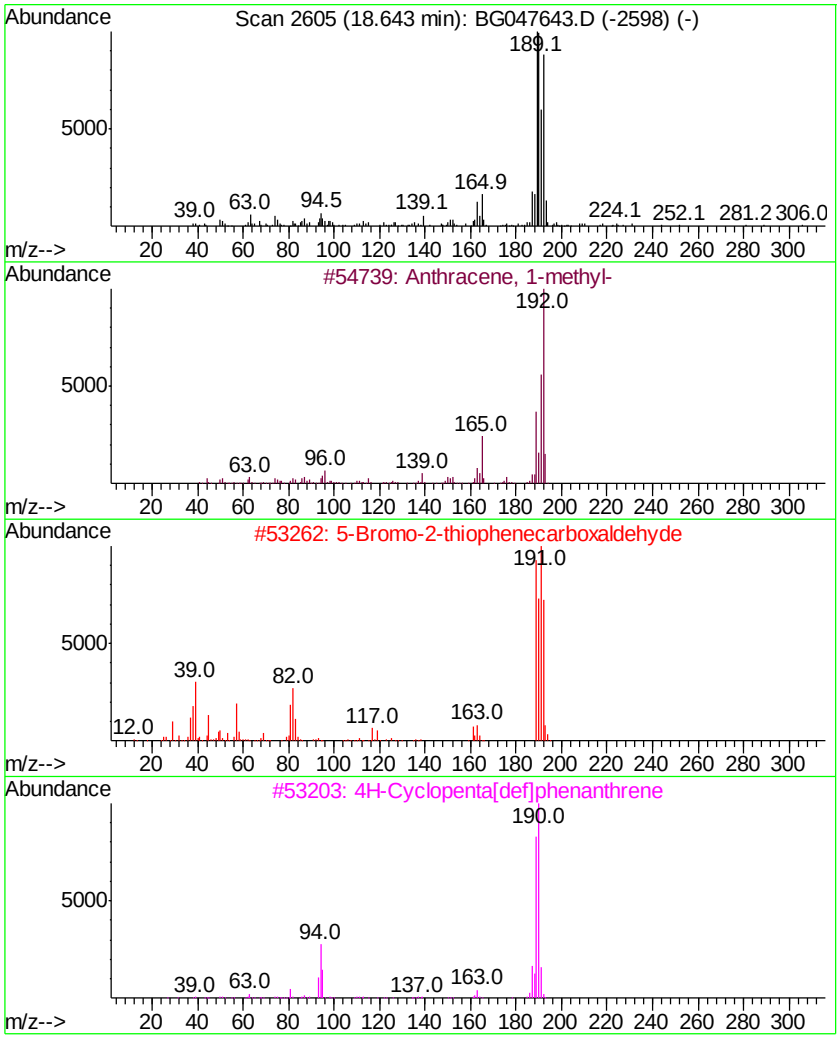
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

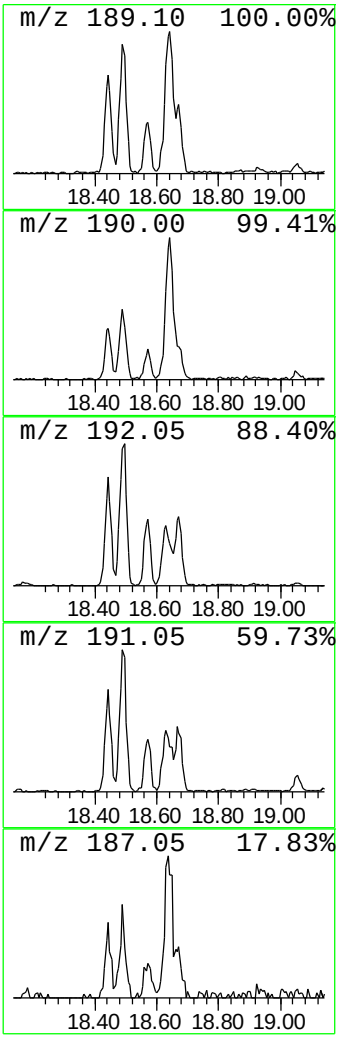
**********

Peak Number 22 Anthracene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.64 | 16.06 ng/ul | 382689 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 60 |
| 2 | 5-Bromo-2-thiophenecarboxaldehyde | 190 | C5H3BrOS | 004701-17-1 | 58 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 47 |
| 4 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 46 |
| 5 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

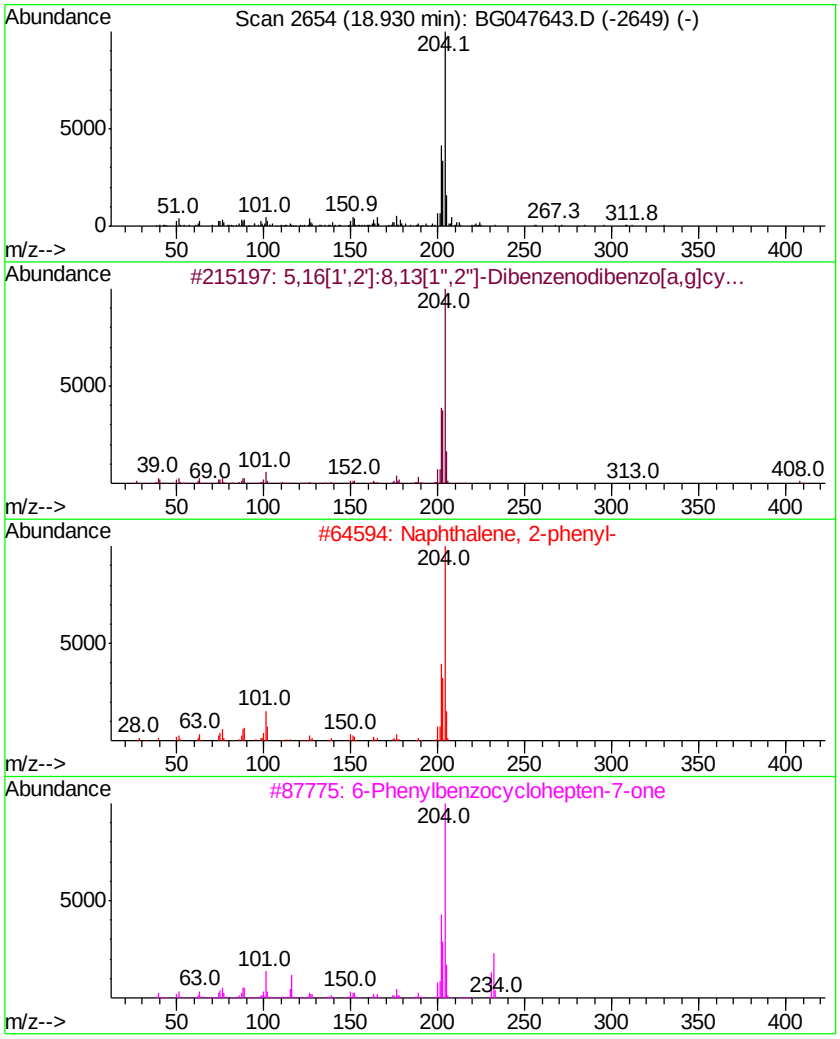
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

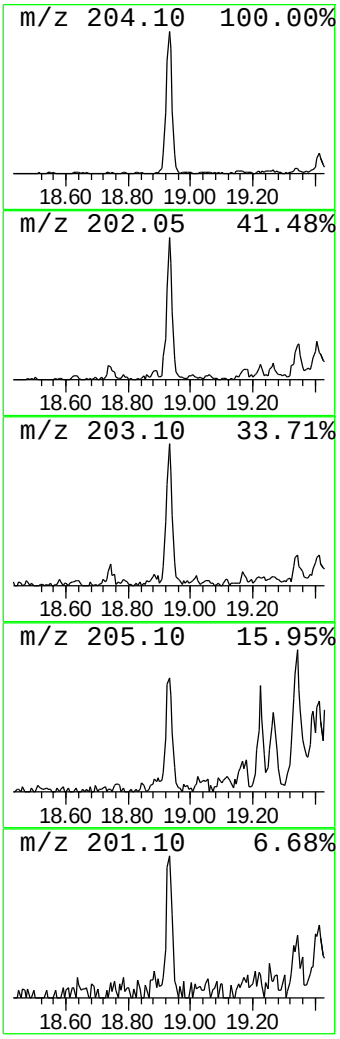
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.93 | 9.14 ng/ul | 217770 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 3 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 64 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 58 |
| 5 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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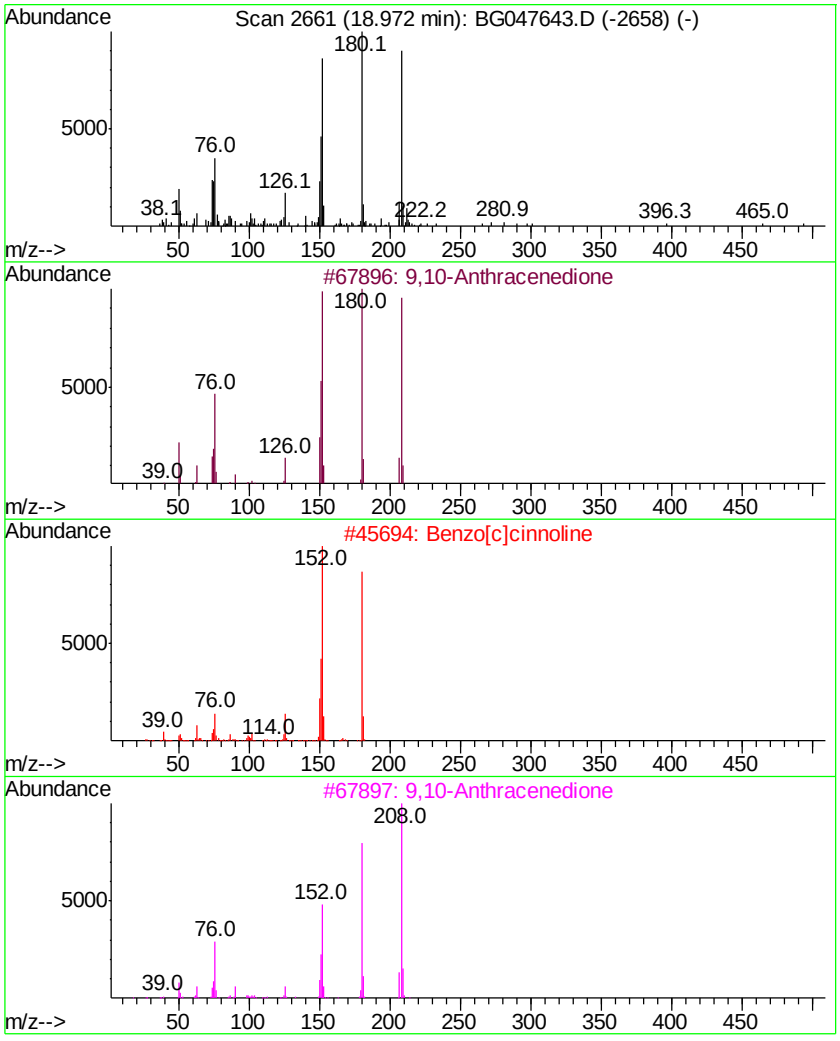
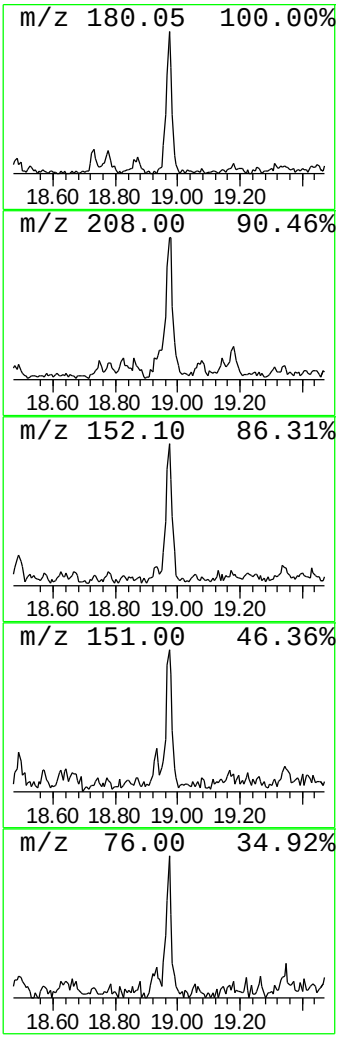
Peak Number 24 9,10-Anthracenedione Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.97 | 6.45 ng/ul | 153859 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 91 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 87 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |
| 5 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 68 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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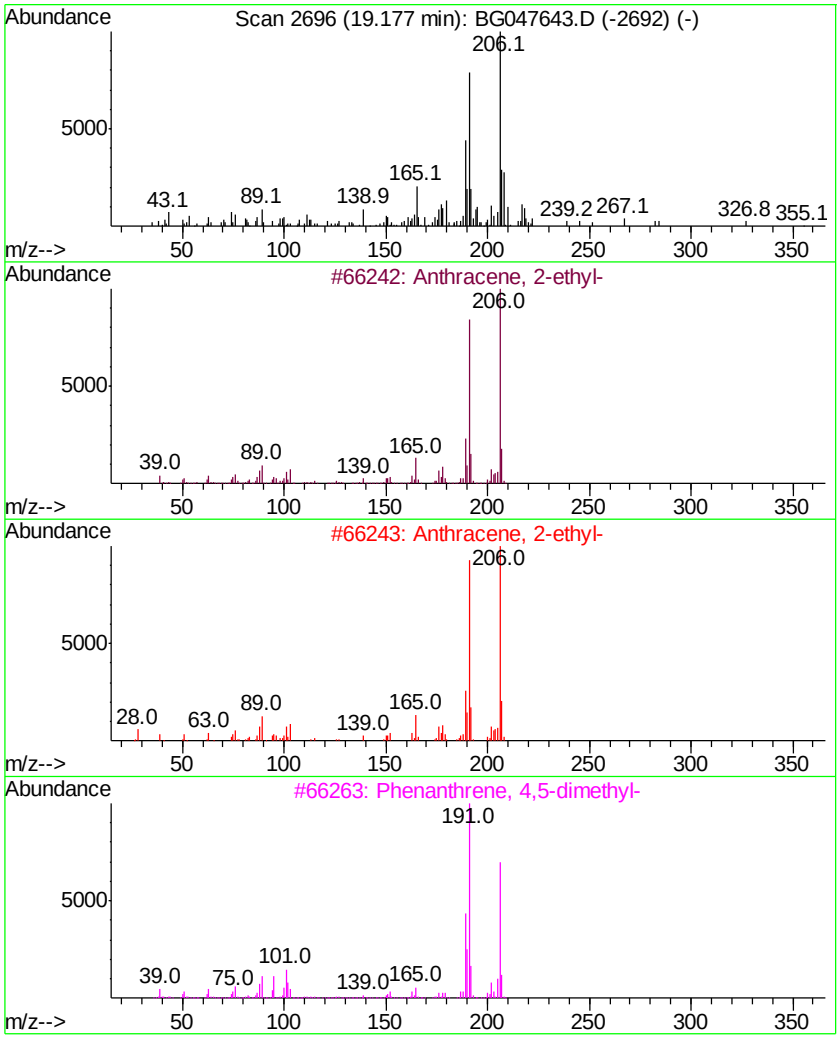
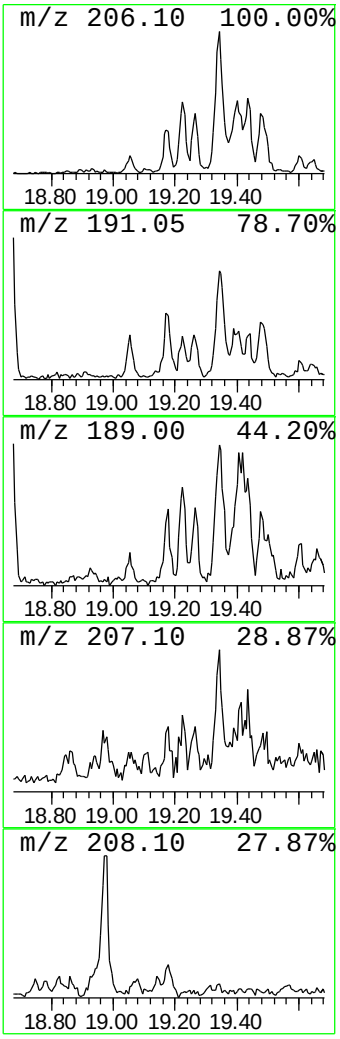
Peak Number 25 Anthracene, 2-ethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.18 | 3.14 ng/ul | 74750 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 70 |
| 2 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 70 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 68 |
| 4 | Phenanthrene, 9-ethyl- | 206 | C16H14 | 003674-75-7 | 58 |
| 5 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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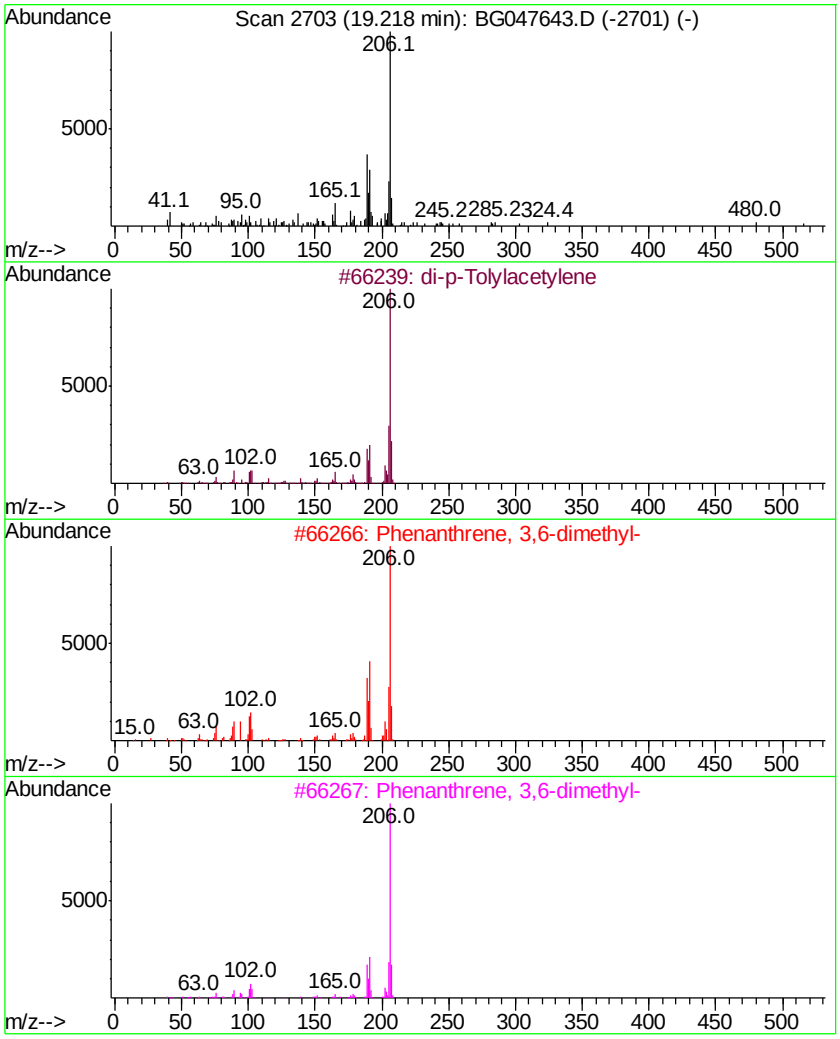
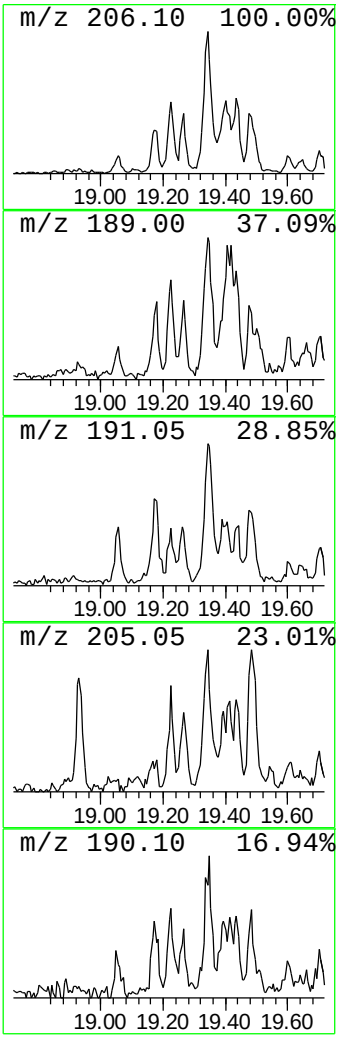
Peak Number 26 di-p-Tolylacetylene Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.22 | 2.35 ng/ul | 55920 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 90 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 87 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 83 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 83 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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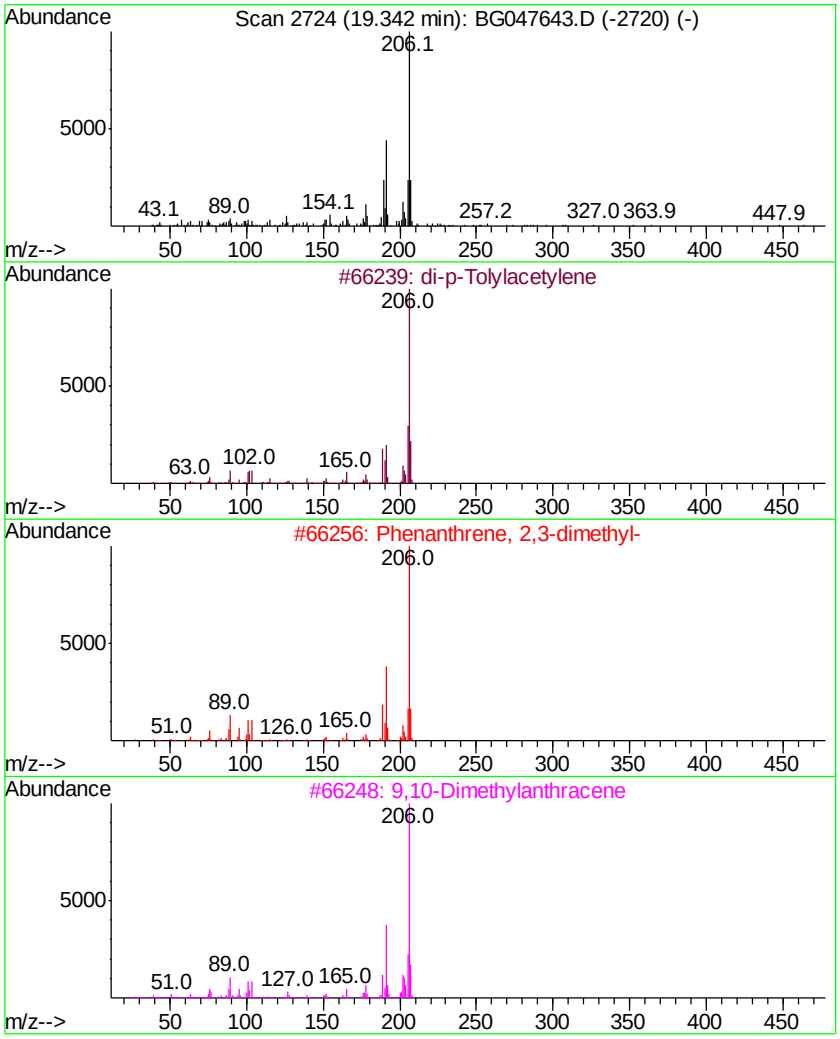
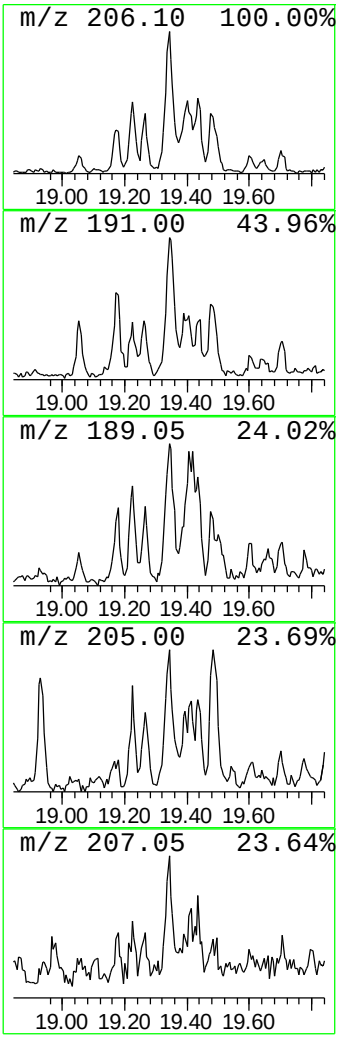
Peak Number 27 Phenanthrene, 2,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.34 | 9.31 ng/ul | 221880 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 90 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 87 |
| 4 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 80 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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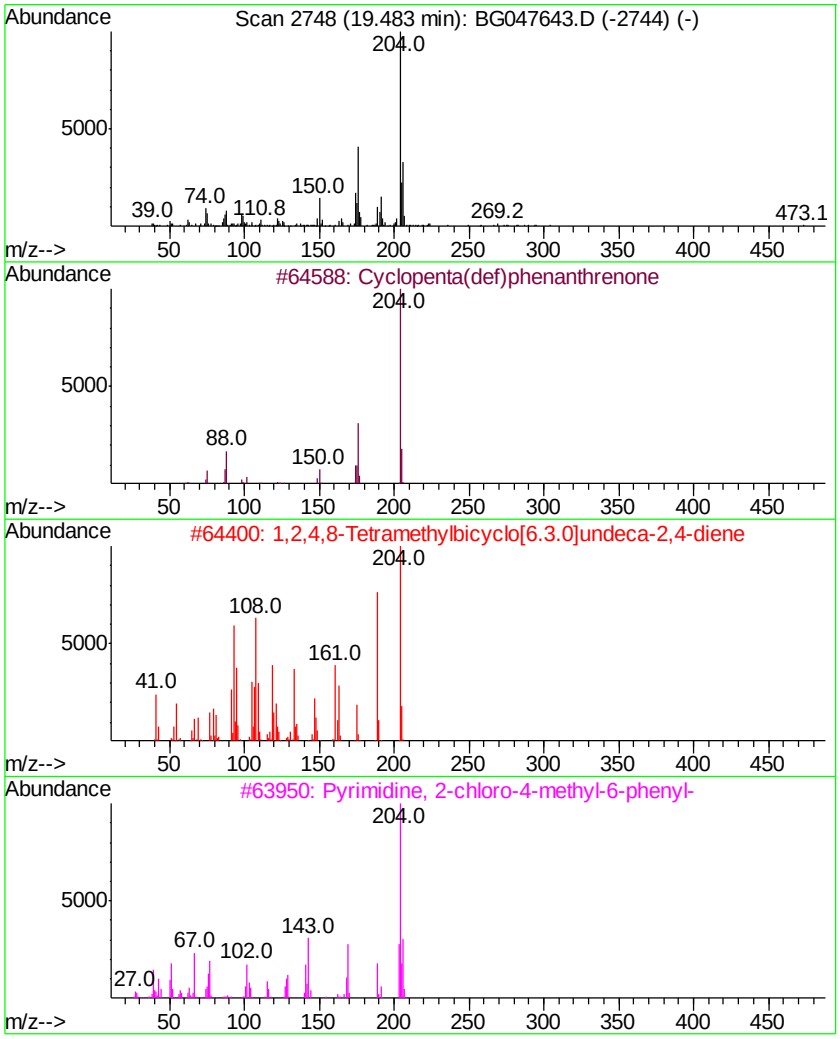
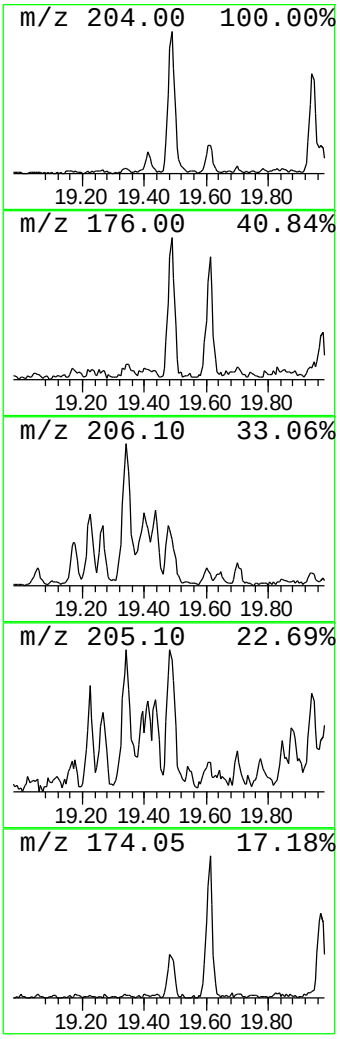
Peak Number 28 Cyclopenta(def)phenanthrenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.48 | 12.34 ng/ul | 294086 | Phenanthrene-d10 | 17.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 72 |
| 2 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 50 |
| 3 | Pyrimidine, 2-chloro-4-methyl-6-... | 204 | C11H9ClN2 | 032785-40-3 | 47 |
| 4 | 1,4-Methanoazulen-9-ol, decahydr... | 222 | C15H26O | 000465-24-7 | 38 |
| 5 | [1,1'-Biphenyl]-4-ol, 4'-chloro- | 204 | C12H9ClO | 028034-99-3 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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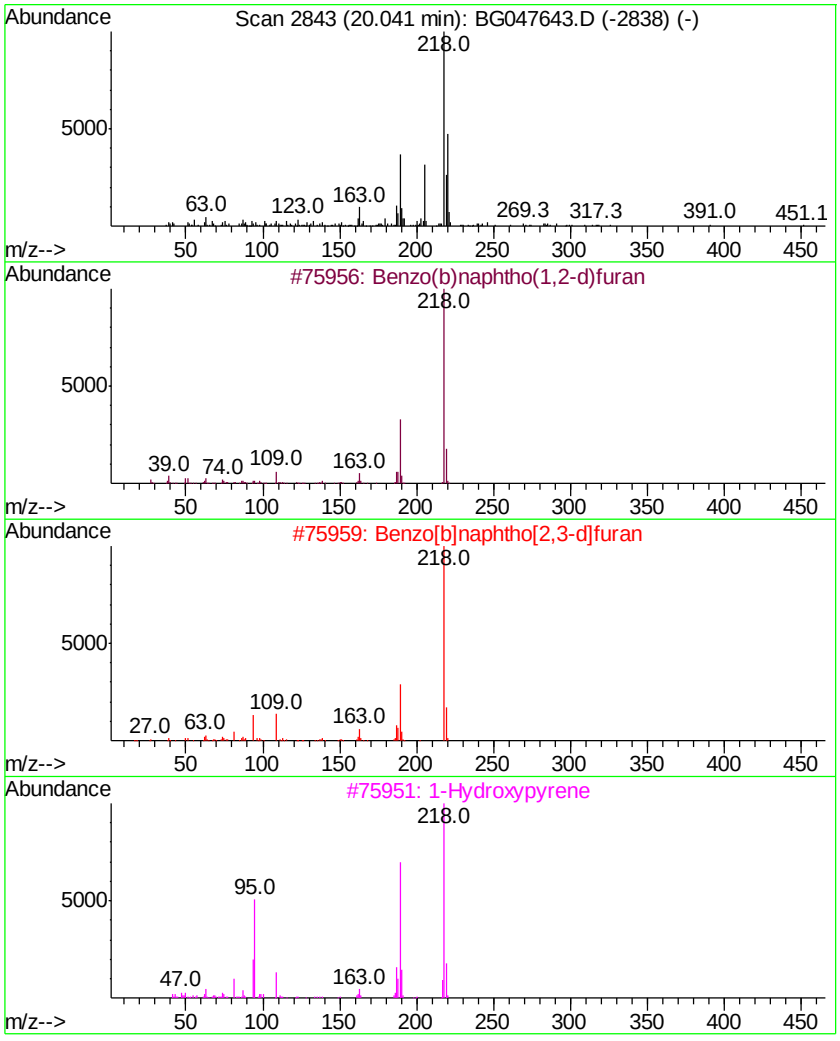
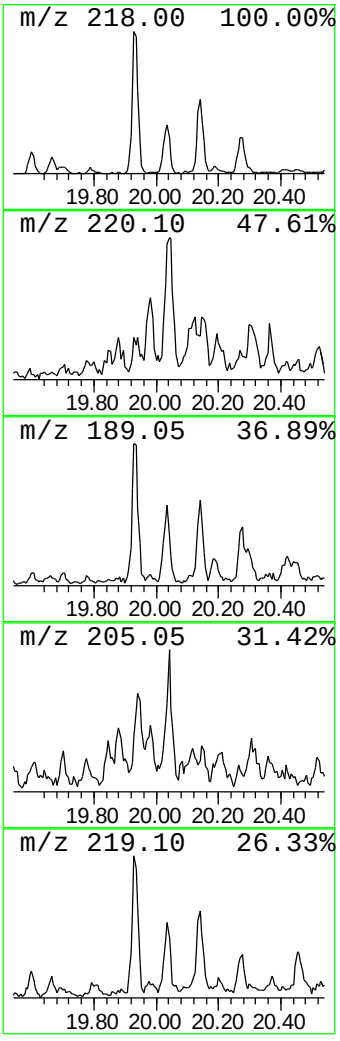
Peak Number 30 Benzo(b)naphtho(1,2-d)furan Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.04 | 2.74 ng/ul | 230524 | Chrysene-d12 | 21.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo(b)naphtho(1,2-d)furan | 218 | C16H10O | 000205-39-0 | 81 |
| 2 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 60 |
| 3 | 1-Hydroxypyrene | 218 | C16H10O | 005315-79-7 | 59 |
| 4 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 52 |
| 5 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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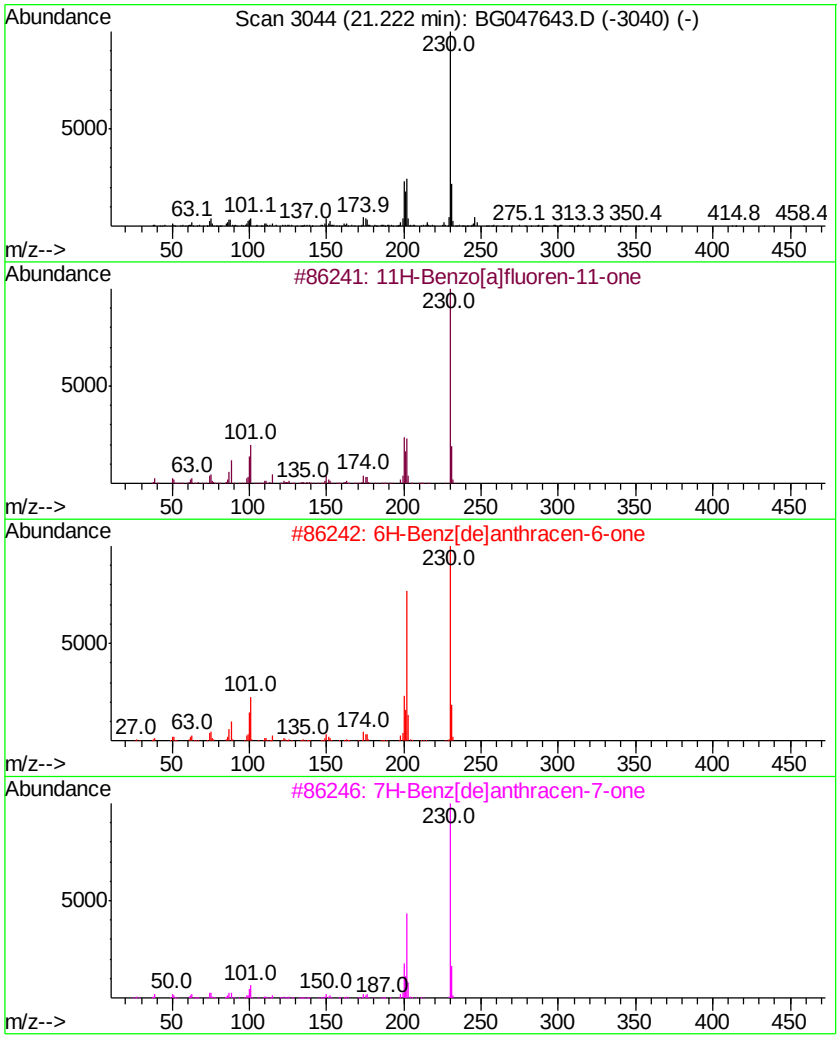
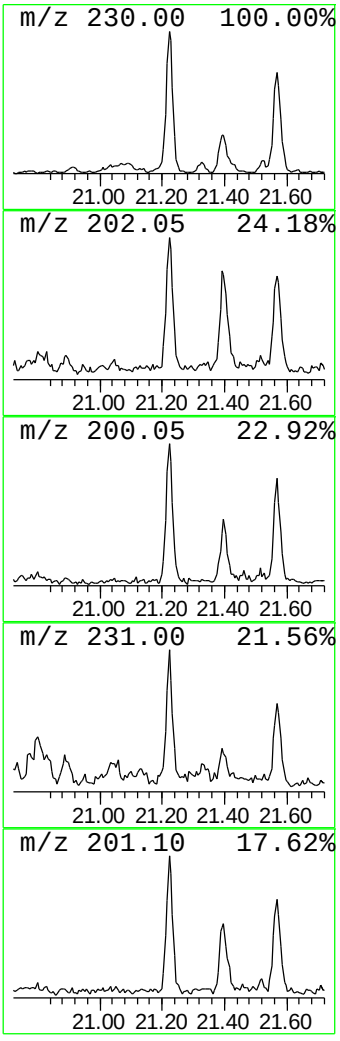
Peak Number 33 11H-Benzo[a]fluoren-11-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.22 | 5.05 ng/ul | 425318 | Chrysene-d12 | 21.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 90 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 81 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 72 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 59 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120720\
Data File : BG047643.D
Acq On : 8 Dec 2020 9:35
Operator : CG/JU
Sample : L4862-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B70

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.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 |
| Methacrylamide | 4.08 | 4.6 | ng/ul | 42957 | 1 | 8.22 | 186776 | 20.0 |
| Benzene, 1,2,3-tr... | 7.86 | 3.5 | ng/ul | 32773 | 1 | 8.22 | 186776 | 20.0 |
| Naphthalene, 2,3-... | 14.01 | 2.6 | ng/ul | 47248 | 3 | 14.84 | 360720 | 20.0 |
| Naphthalene, 1,6-... | 14.16 | 3.1 | ng/ul | 56430 | 3 | 14.84 | 360720 | 20.0 |
| 4,6,8-Trimethylaz... | 15.30 | 2.8 | ng/ul | 51128 | 3 | 14.84 | 360720 | 20.0 |
| Naphthalene, 1,6,... | 15.44 | 2.8 | ng/ul | 50561 | 3 | 14.84 | 360720 | 20.0 |
| Naphthalene, 1,4,... | 15.49 | 2.1 | ng/ul | 37072 | 3 | 14.84 | 360720 | 20.0 |
| Naphthalene, 2,3,... | 15.62 | 2.3 | ng/ul | 40718 | 3 | 14.84 | 360720 | 20.0 |
| 9H-Fluoren-9-ol | 16.17 | 6.7 | ng/ul | 120974 | 3 | 14.84 | 360720 | 20.0 |
| Dibenzofuran, 4-m... | 16.31 | 6.6 | ng/ul | 157842 | 4 | 17.57 | 476713 | 20.0 |
| unknown-01 | 16.55 | 2.2 | ng/ul | 52378 | 4 | 17.57 | 476713 | 20.0 |
| unknown-02 | 17.10 | 5.5 | ng/ul | 130832 | 4 | 17.57 | 476713 | 20.0 |
| Phenol, 4-(2-phen... | 17.14 | 2.3 | ng/ul | 55713 | 4 | 17.57 | 476713 | 20.0 |
| 9H-Fluoren-9-one | 17.22 | 7.0 | ng/ul | 165773 | 4 | 17.57 | 476713 | 20.0 |
| Phenol, 3-(2-phen... | 17.30 | 6.6 | ng/ul | 157005 | 4 | 17.57 | 476713 | 20.0 |
| Naphtho[1,2-b]thi... | 17.39 | 5.0 | ng/ul | 118693 | 4 | 17.57 | 476713 | 20.0 |
| Anthrone | 18.15 | 4.1 | ng/ul | 98558 | 4 | 17.57 | 476713 | 20.0 |
| Dibenzothiophene,... | 18.29 | 2.1 | ng/ul | 50268 | 4 | 17.57 | 476713 | 20.0 |
| Phenanthrene, 2-m... | 18.44 | 14.5 | ng/ul | 344795 | 4 | 17.57 | 476713 | 20.0 |
| Phenanthrene, 1-m... | 18.49 | 20.8 | ng/ul | 494929 | 4 | 17.57 | 476713 | 20.0 |
| Anthracene, 2-met... | 18.57 | 7.6 | ng/ul | 180998 | 4 | 17.57 | 476713 | 20.0 |
| Anthracene, 1-met... | 18.64 | 16.1 | ng/ul | 382689 | 4 | 17.57 | 476713 | 20.0 |
| 5,16[1',2']:8,13[... | 18.93 | 9.1 | ng/ul | 217770 | 4 | 17.57 | 476713 | 20.0 |
| 9,10-Anthracenedione | 18.97 | 6.5 | ng/ul | 153859 | 4 | 17.57 | 476713 | 20.0 |
| Anthracene, 2-ethyl- | 19.18 | 3.1 | ng/ul | 74750 | 4 | 17.57 | 476713 | 20.0 |
| di-p-Tolylacetylene | 19.22 | 2.4 | ng/ul | 55920 | 4 | 17.57 | 476713 | 20.0 |
| Phenanthrene, 2,3... | 19.34 | 9.3 | ng/ul | 221880 | 4 | 17.57 | 476713 | 20.0 |
| Cyclopenta(def)ph... | 19.48 | 12.3 | ng/ul | 294086 | 4 | 17.57 | 476713 | 20.0 |
| Benzo(b)naphtho(1... | 20.04 | 2.7 | ng/ul | 230524 | 5 | 21.85 | 1685000 | 20.0 |
| 11H-Benzo[a]fluor... | 21.22 | 5.0 | ng/ul | 425318 | 5 | 21.85 | 1685000 | 20.0 |