LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

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-BG102220MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.397 | 6 | 10 | 18 | rVB | 594985 | 693662 | 56.63% | 5.931% |
| 2 | 3.544 | 32 | 35 | 38 | rBV2 | 1998 | 2374 | 0.19% | 0.020% |
| 3 | 3.591 | 38 | 43 | 45 | rBV2 | 1544 | 2137 | 0.17% | 0.018% |
| 4 | 3.714 | 61 | 64 | 66 | rBV2 | 3897 | 4076 | 0.33% | 0.035% |
| 5 | 3.744 | 66 | 69 | 76 | rVB2 | 20241 | 26697 | 2.18% | 0.228% |
| 6 | 3.838 | 81 | 85 | 87 | rVB | 2155 | 2397 | 0.20% | 0.020% |
| 7 | 3.873 | 90 | 91 | 96 | rBV | 1499 | 1988 | 0.16% | 0.017% |
| 8 | 4.120 | 131 | 133 | 135 | rBV2 | 1604 | 1937 | 0.16% | 0.017% |
| 9 | 4.214 | 145 | 149 | 150 | rBV | 2903 | 3458 | 0.28% | 0.030% |
| 10 | 4.225 | 150 | 151 | 156 | rVV2 | 4287 | 4580 | 0.37% | 0.039% |
| 11 | 6.435 | 524 | 527 | 532 | rVB | 1252 | 1901 | 0.16% | 0.016% |
| 12 | 6.687 | 568 | 570 | 574 | rBV | 2283 | 2064 | 0.17% | 0.018% |
| 13 | 7.198 | 652 | 657 | 660 | rVB2 | 1639 | 2832 | 0.23% | 0.024% |
| 14 | 8.062 | 797 | 804 | 812 | rBV | 245022 | 414041 | 33.80% | 3.540% |
| 15 | 8.344 | 849 | 852 | 855 | rVB | 1495 | 1906 | 0.16% | 0.016% |
| 16 | 9.519 | 1046 | 1052 | 1055 | rBV | 1326 | 2556 | 0.21% | 0.022% |
| 17 | 10.724 | 1252 | 1257 | 1258 | rBV | 2983 | 3893 | 0.32% | 0.033% |
| 18 | 10.871 | 1272 | 1282 | 1289 | rBV | 286871 | 533442 | 43.55% | 4.561% |
| 19 | 11.129 | 1322 | 1326 | 1330 | rVB2 | 3216 | 5078 | 0.41% | 0.043% |
| 20 | 11.223 | 1337 | 1342 | 1344 | rBV | 1244 | 2082 | 0.17% | 0.018% |
| 21 | 11.264 | 1346 | 1349 | 1350 | rVV2 | 2359 | 2177 | 0.18% | 0.019% |
| 22 | 11.288 | 1352 | 1353 | 1358 | rVV | 2642 | 2349 | 0.19% | 0.020% |
| 23 | 11.341 | 1358 | 1362 | 1367 | rVV4 | 4464 | 6581 | 0.54% | 0.056% |
| 24 | 11.558 | 1393 | 1399 | 1400 | rBV4 | 1698 | 2434 | 0.20% | 0.021% |
| 25 | 12.751 | 1594 | 1602 | 1603 | rBV3 | 3300 | 4975 | 0.41% | 0.043% |
| 26 | 13.491 | 1727 | 1728 | 1731 | rBV | 1992 | 1976 | 0.16% | 0.017% |
| 27 | 13.855 | 1788 | 1790 | 1795 | rBV2 | 1585 | 2278 | 0.19% | 0.019% |
| 28 | 14.014 | 1810 | 1817 | 1822 | rBV3 | 5275 | 8733 | 0.71% | 0.075% |
| 29 | 14.067 | 1822 | 1826 | 1830 | rVB2 | 2452 | 3577 | 0.29% | 0.031% |
| 30 | 14.161 | 1841 | 1842 | 1847 | rVB | 1827 | 1940 | 0.16% | 0.017% |
| 31 | 14.231 | 1849 | 1854 | 1855 | rBV2 | 1682 | 2432 | 0.20% | 0.021% |
| 32 | 14.419 | 1883 | 1886 | 1888 | rBV2 | 3101 | 2476 | 0.20% | 0.021% |
| 33 | 14.690 | 1921 | 1932 | 1939 | rBV | 492000 | 751024 | 61.31% | 6.422% |
| 34 | 14.748 | 1940 | 1942 | 1945 | rVB2 | 2784 | 3134 | 0.26% | 0.027% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

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-BG102220MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.895 | 1964 | 1967 | 1968 | rBV2 | 2290 | 2019 | 0.16% | 0.017% |
| 36 | 15.083 | 1995 | 1999 | 2006 | rVB2 | 18829 | 33142 | 2.71% | 0.283% |
| 37 | 15.130 | 2006 | 2007 | 2010 | rVV2 | 2132 | 2062 | 0.17% | 0.018% |
| 38 | 15.160 | 2010 | 2012 | 2014 | rVB2 | 2793 | 2502 | 0.20% | 0.021% |
| 39 | 15.301 | 2032 | 2036 | 2040 | rBV2 | 4446 | 5854 | 0.48% | 0.050% |
| 40 | 15.412 | 2051 | 2055 | 2056 | rBV2 | 2638 | 2678 | 0.22% | 0.023% |
| 41 | 15.477 | 2062 | 2066 | 2067 | rBV2 | 4165 | 5260 | 0.43% | 0.045% |
| 42 | 15.683 | 2099 | 2101 | 2103 | rBV2 | 2015 | 2165 | 0.18% | 0.019% |
| 43 | 15.735 | 2103 | 2110 | 2116 | rVV3 | 27232 | 48636 | 3.97% | 0.416% |
| 44 | 15.824 | 2122 | 2125 | 2126 | rBV3 | 1986 | 2084 | 0.17% | 0.018% |
| 45 | 15.894 | 2134 | 2137 | 2141 | rBV2 | 6963 | 8713 | 0.71% | 0.075% |
| 46 | 15.965 | 2148 | 2149 | 2151 | rBV | 3460 | 3071 | 0.25% | 0.026% |
| 47 | 15.982 | 2151 | 2152 | 2156 | rVV3 | 5000 | 6206 | 0.51% | 0.053% |
| 48 | 16.029 | 2156 | 2160 | 2167 | rVV3 | 13103 | 24780 | 2.02% | 0.212% |
| 49 | 16.176 | 2181 | 2185 | 2195 | rBV2 | 15612 | 32142 | 2.62% | 0.275% |
| 50 | 16.247 | 2195 | 2197 | 2198 | rVV2 | 2692 | 2151 | 0.18% | 0.018% |
| 51 | 16.264 | 2198 | 2200 | 2210 | rVB7 | 5069 | 8432 | 0.69% | 0.072% |
| 52 | 16.781 | 2286 | 2288 | 2293 | rVB4 | 7759 | 8172 | 0.67% | 0.070% |
| 53 | 16.822 | 2293 | 2295 | 2296 | rBV2 | 3257 | 2415 | 0.20% | 0.021% |
| 54 | 16.969 | 2316 | 2320 | 2322 | rBV4 | 5939 | 9095 | 0.74% | 0.078% |
| 55 | 17.163 | 2348 | 2353 | 2354 | rBV3 | 12266 | 15380 | 1.26% | 0.132% |
| 56 | 17.251 | 2365 | 2368 | 2374 | rVB | 22208 | 33289 | 2.72% | 0.285% |
| 57 | 17.433 | 2393 | 2399 | 2402 | rBV | 538728 | 802464 | 65.51% | 6.862% |
| 58 | 17.475 | 2402 | 2406 | 2413 | rVB | 582741 | 838166 | 68.43% | 7.167% |
| 59 | 17.569 | 2419 | 2422 | 2425 | rBV3 | 10609 | 13563 | 1.11% | 0.116% |
| 60 | 17.721 | 2447 | 2448 | 2449 | rBV | 5689 | 2709 | 0.22% | 0.023% |
| 61 | 17.833 | 2465 | 2467 | 2471 | rBV5 | 6613 | 9432 | 0.77% | 0.081% |
| 62 | 18.021 | 2496 | 2499 | 2508 | rVB8 | 25253 | 52485 | 4.28% | 0.449% |
| 63 | 18.144 | 2517 | 2520 | 2525 | rBV7 | 12316 | 21755 | 1.78% | 0.186% |
| 64 | 18.309 | 2544 | 2548 | 2552 | rBV | 62237 | 89860 | 7.34% | 0.768% |
| 65 | 18.356 | 2552 | 2556 | 2563 | rVB | 88205 | 138008 | 11.27% | 1.180% |
| 66 | 18.497 | 2575 | 2580 | 2585 | rBV3 | 90958 | 154044 | 12.58% | 1.317% |
| 67 | 18.538 | 2585 | 2587 | 2595 | rVB3 | 47491 | 82699 | 6.75% | 0.707% |
| 68 | 18.609 | 2595 | 2599 | 2602 | rBV6 | 11056 | 17565 | 1.43% | 0.150% |
| 69 | 18.802 | 2625 | 2632 | 2639 | rBV2 | 48403 | 100602 | 8.21% | 0.860% |
| 70 | 19.049 | 2670 | 2674 | 2678 | rBV4 | 17913 | 25624 | 2.09% | 0.219% |
| 71 | 19.220 | 2698 | 2703 | 2707 | rBV2 | 41108 | 62778 | 5.13% | 0.537% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

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-BG102220MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.314 | 2715 | 2719 | 2720 | rBV2 | 29712 | 39641 | 3.24% | 0.339% |
| 73 | 19.337 | 2720 | 2723 | 2731 | rVB4 | 135151 | 205560 | 16.78% | 1.758% |
| 74 | 19.484 | 2742 | 2748 | 2754 | rBV | 590734 | 856943 | 69.96% | 7.327% |
| 75 | 19.537 | 2754 | 2757 | 2761 | rBV2 | 31774 | 47385 | 3.87% | 0.405% |
| 76 | 19.619 | 2767 | 2771 | 2776 | rVB2 | 137348 | 180583 | 14.74% | 1.544% |
| 77 | 19.807 | 2799 | 2803 | 2806 | rBV | 88593 | 131441 | 10.73% | 1.124% |
| 78 | 19.842 | 2806 | 2809 | 2817 | rVV2 | 122944 | 180037 | 14.70% | 1.539% |
| 79 | 19.907 | 2818 | 2820 | 2824 | rVV2 | 33998 | 38503 | 3.14% | 0.329% |
| 80 | 19.954 | 2826 | 2828 | 2832 | rVB5 | 21024 | 21968 | 1.79% | 0.188% |
| 81 | 20.019 | 2837 | 2839 | 2841 | rBV | 22355 | 26986 | 2.20% | 0.231% |
| 82 | 20.183 | 2861 | 2867 | 2871 | rVB4 | 105100 | 152040 | 12.41% | 1.300% |
| 83 | 20.230 | 2871 | 2875 | 2881 | rBV7 | 35579 | 59187 | 4.83% | 0.506% |
| 84 | 20.324 | 2887 | 2891 | 2896 | rVB2 | 287999 | 384008 | 31.35% | 3.284% |
| 85 | 20.371 | 2896 | 2899 | 2903 | rVB2 | 26289 | 29974 | 2.45% | 0.256% |
| 86 | 20.524 | 2922 | 2925 | 2929 | rVB4 | 48595 | 63833 | 5.21% | 0.546% |
| 87 | 20.594 | 2933 | 2937 | 2942 | rVB | 319948 | 399297 | 32.60% | 3.414% |
| 88 | 20.653 | 2943 | 2947 | 2950 | rBV2 | 83157 | 112739 | 9.20% | 0.964% |
| 89 | 20.753 | 2960 | 2964 | 2969 | rVB5 | 81820 | 126950 | 10.36% | 1.086% |
| 90 | 20.918 | 2984 | 2992 | 2999 | rBV | 211087 | 433350 | 35.38% | 3.705% |
| 91 | 21.076 | 3015 | 3019 | 3025 | rVB2 | 106503 | 142426 | 11.63% | 1.218% |
| 92 | 21.147 | 3028 | 3031 | 3035 | rVB3 | 66516 | 79582 | 6.50% | 0.680% |
| 93 | 21.258 | 3046 | 3050 | 3051 | rBV4 | 27250 | 33232 | 2.71% | 0.284% |
| 94 | 21.382 | 3066 | 3071 | 3075 | rVV4 | 88876 | 133740 | 10.92% | 1.144% |
| 95 | 21.446 | 3079 | 3082 | 3089 | rVB6 | 53449 | 83774 | 6.84% | 0.716% |
| 96 | 21.699 | 3117 | 3125 | 3129 | rBV2 | 586561 | 1224917 | 100.00% | 10.474% |
| 97 | 22.140 | 3195 | 3200 | 3209 | rBV7 | 102028 | 183857 | 15.01% | 1.572% |
| 98 | 22.316 | 3226 | 3230 | 3235 | rBV8 | 31168 | 50698 | 4.14% | 0.434% |
| 99 | 23.908 | 3496 | 3501 | 3507 | rVB2 | 34257 | 71914 | 5.87% | 0.615% |
| 100 | 24.931 | 3666 | 3675 | 3690 | rVB | 355537 | 1019274 | 83.21% | 8.715% |

Sum of corrected areas: 11695028

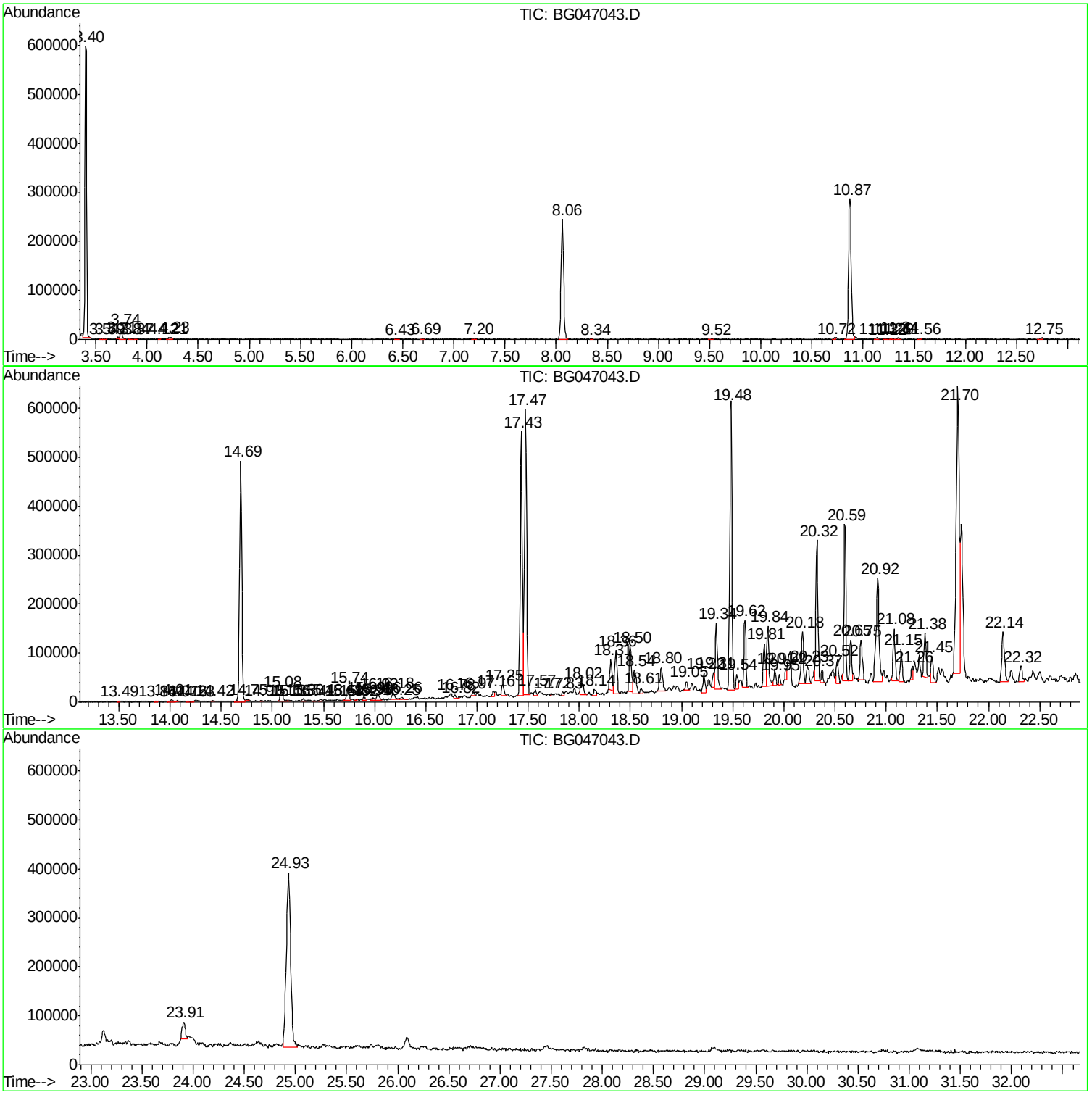
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.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\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

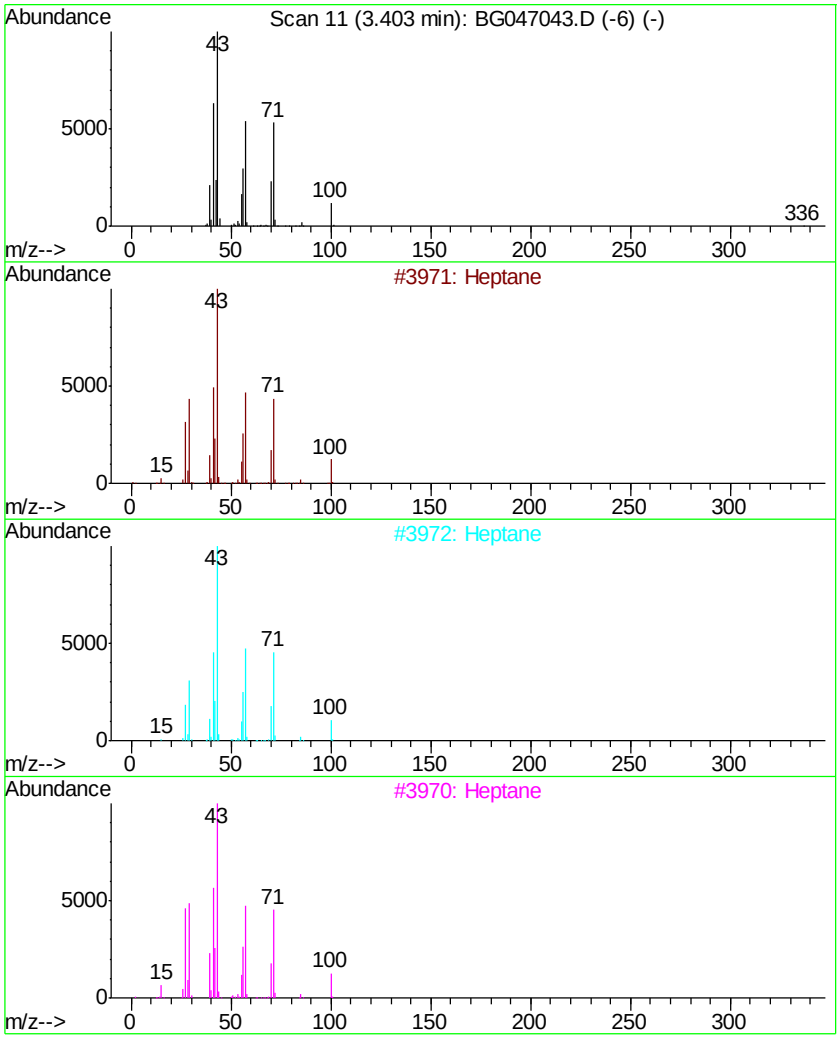
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

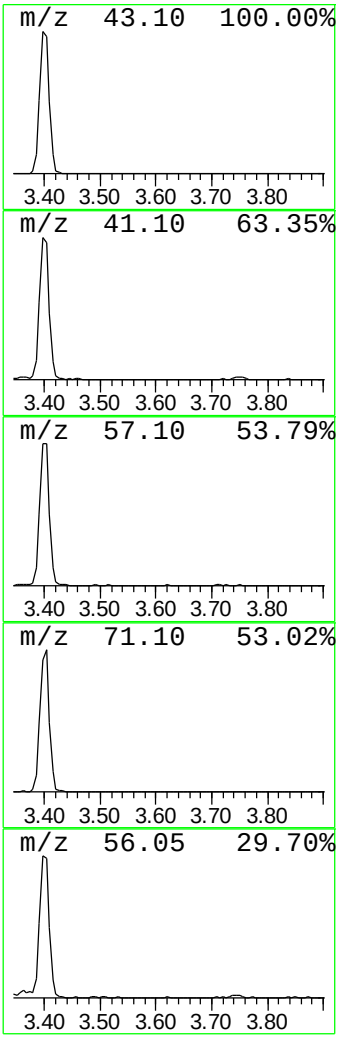
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.40 | 33.51 ng/ul | 693662 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 86 |
| 5 | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 53 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

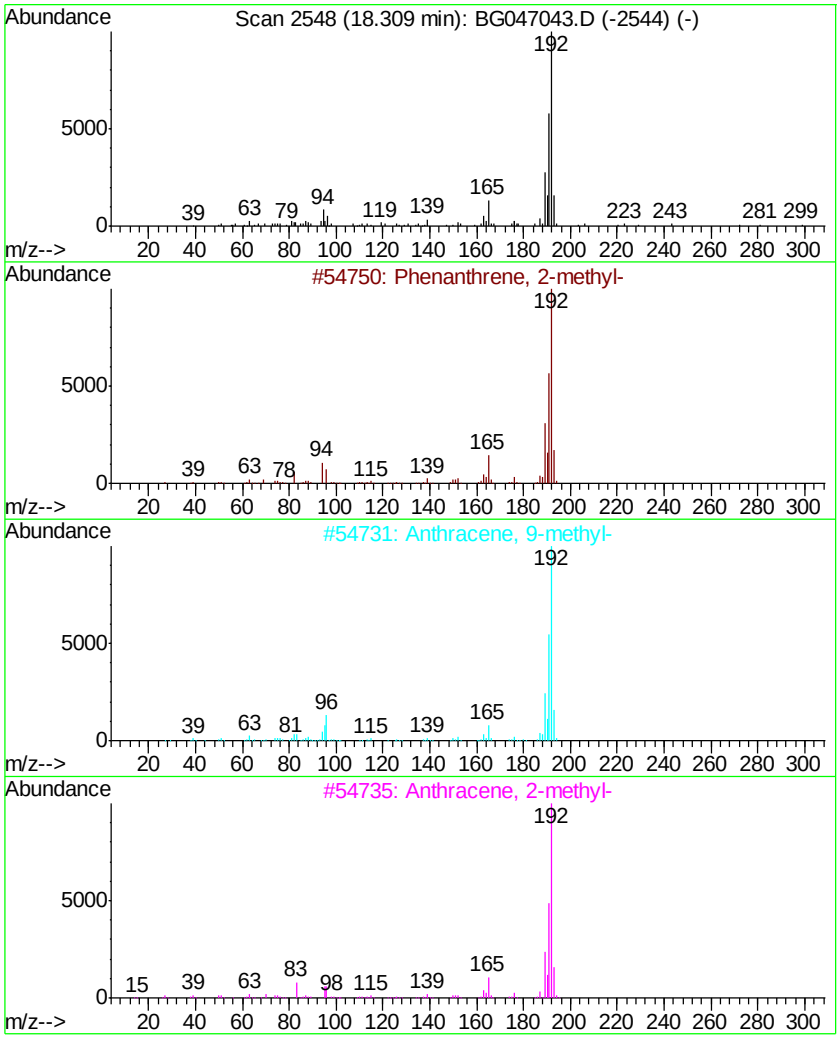
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

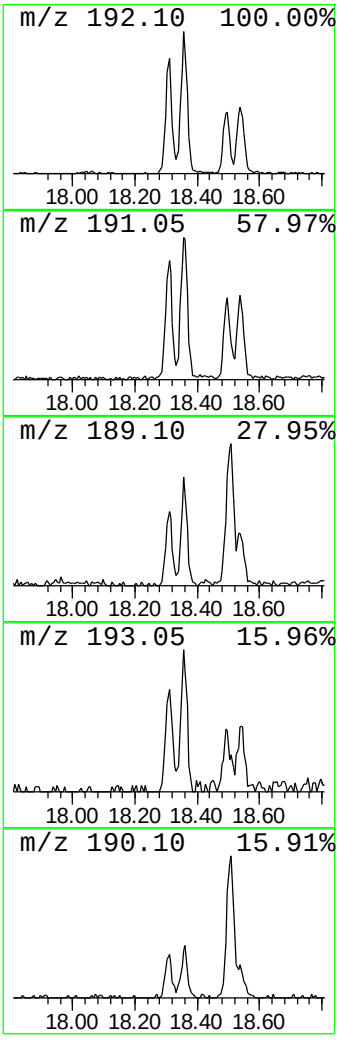
**********

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.31 | 2.24 ng/ul | 89860 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

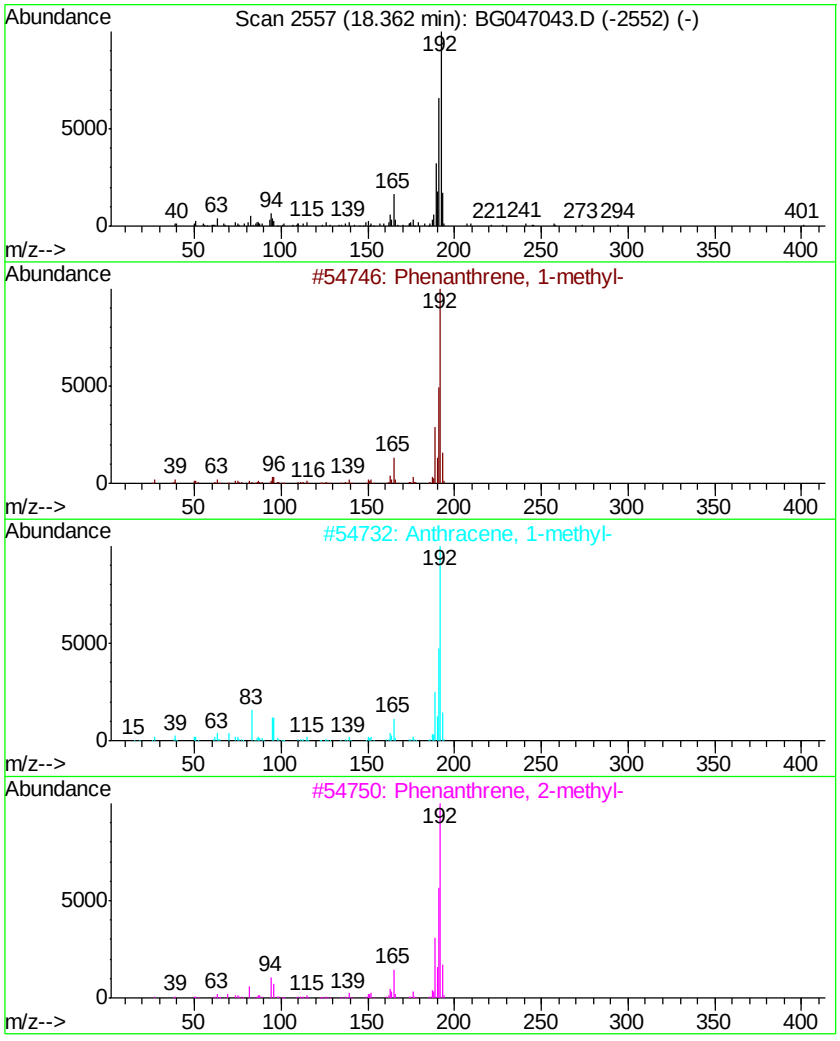
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

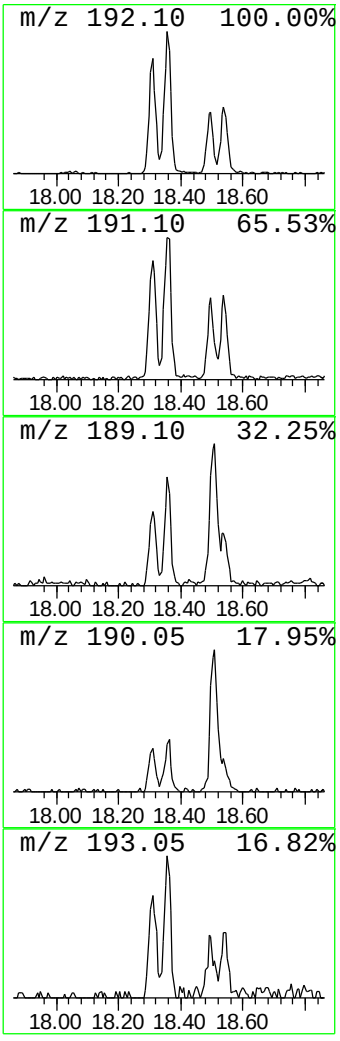
**********

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.36 | 3.44 ng/ul | 138008 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

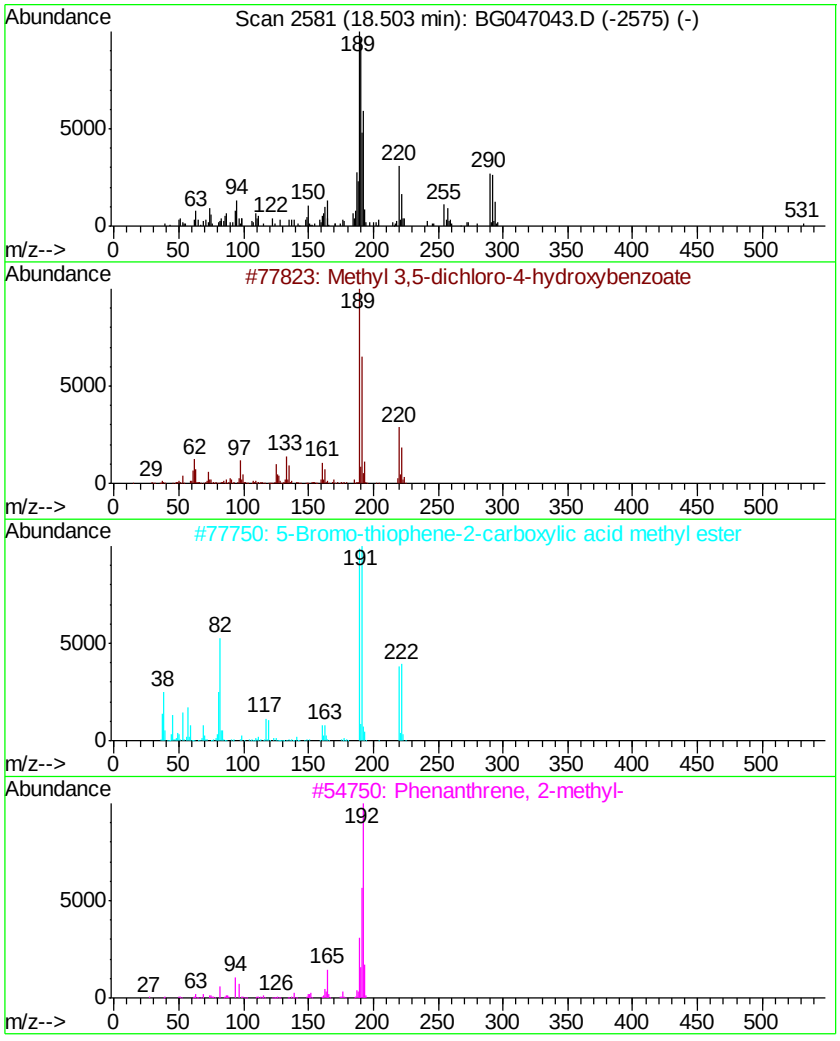
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

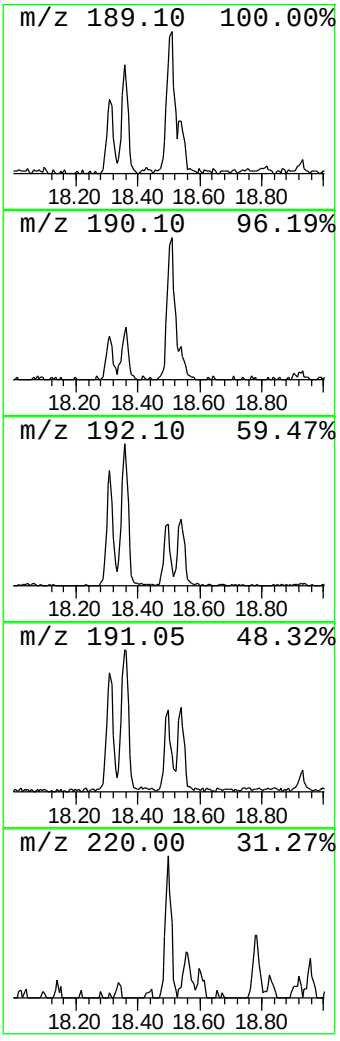
**********

Peak Number 4 unknown-01 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.50 | 3.84 ng/ul | 154044 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 3,5-dichloro-4-hydroxyben... | 220 | C8H6Cl2O3 | 003337-59-5 | 45 |
| 2 | 5-Bromo-thiophene-2-carboxylic a... | 220 | C6H5BrO2S | 1000297-31-3 | 43 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 42 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 38 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

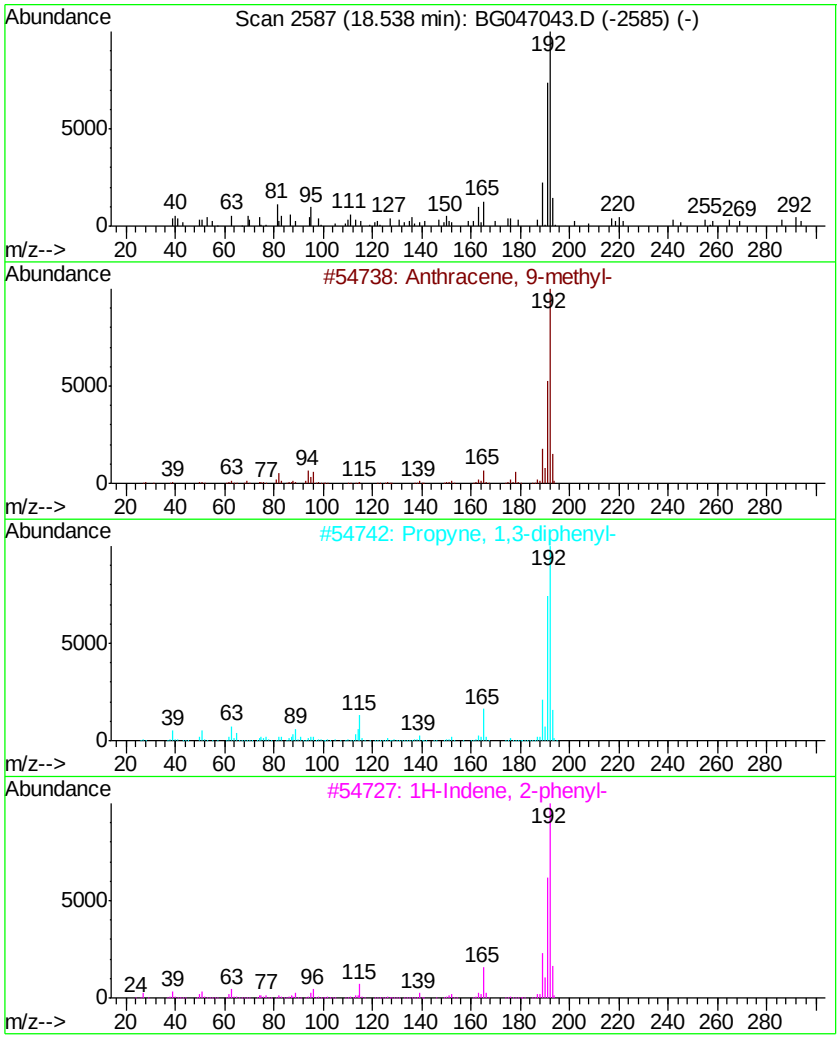
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

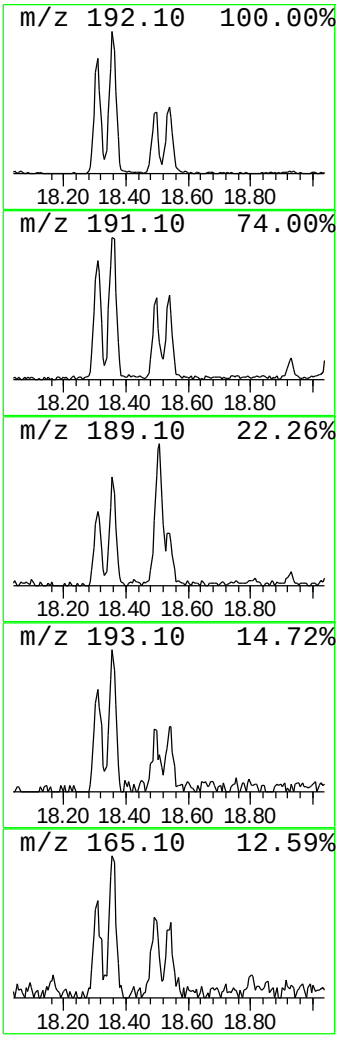
**********

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.54 | 2.06 ng/ul | 82699 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 74 |
| 2 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 68 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 64 |
| 4 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 64 |
| 5 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

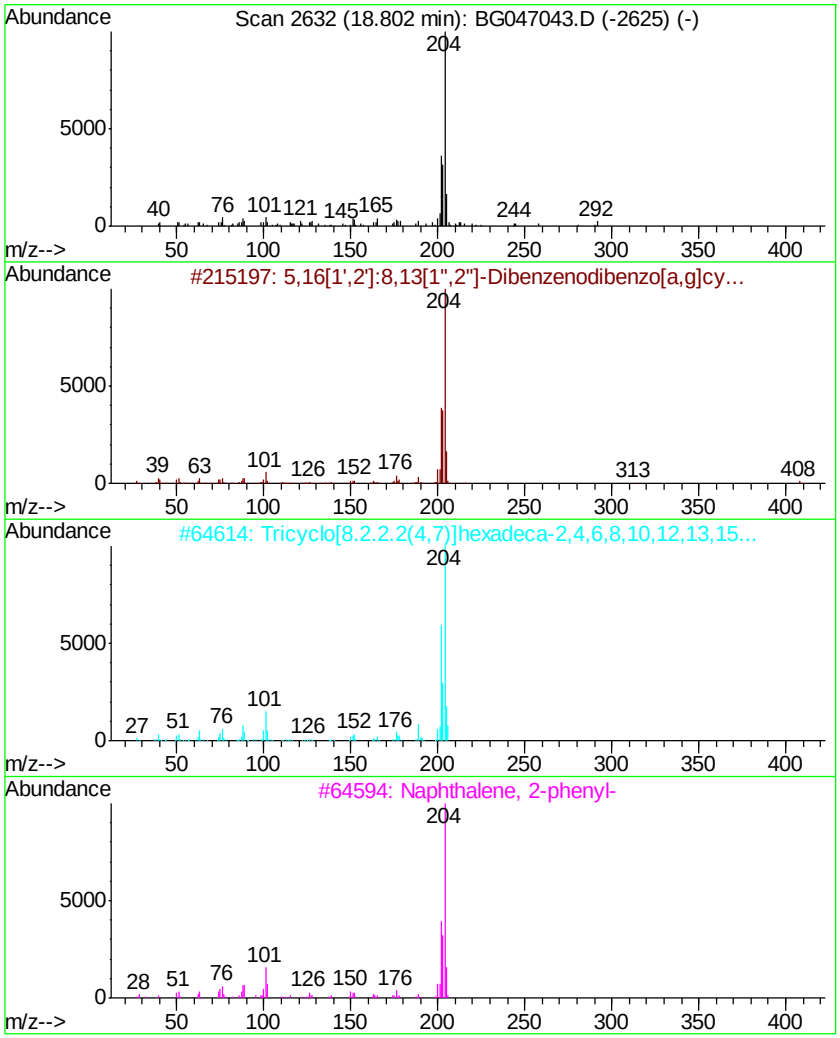
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

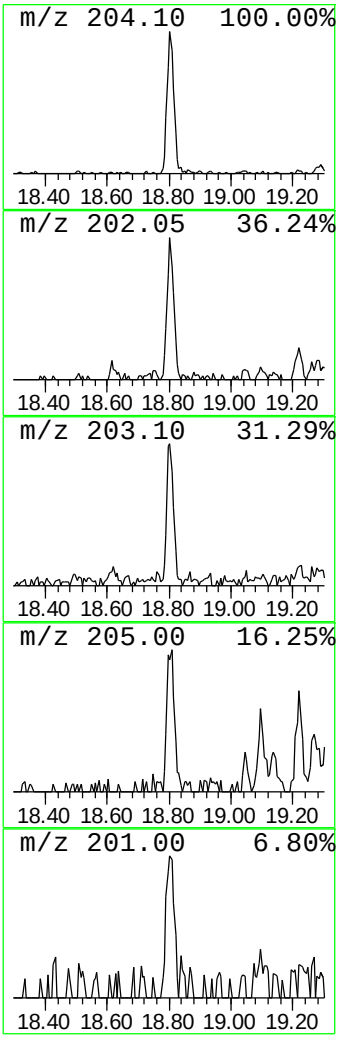
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.80 | 2.51 ng/ul | 100602 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 76 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 68 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

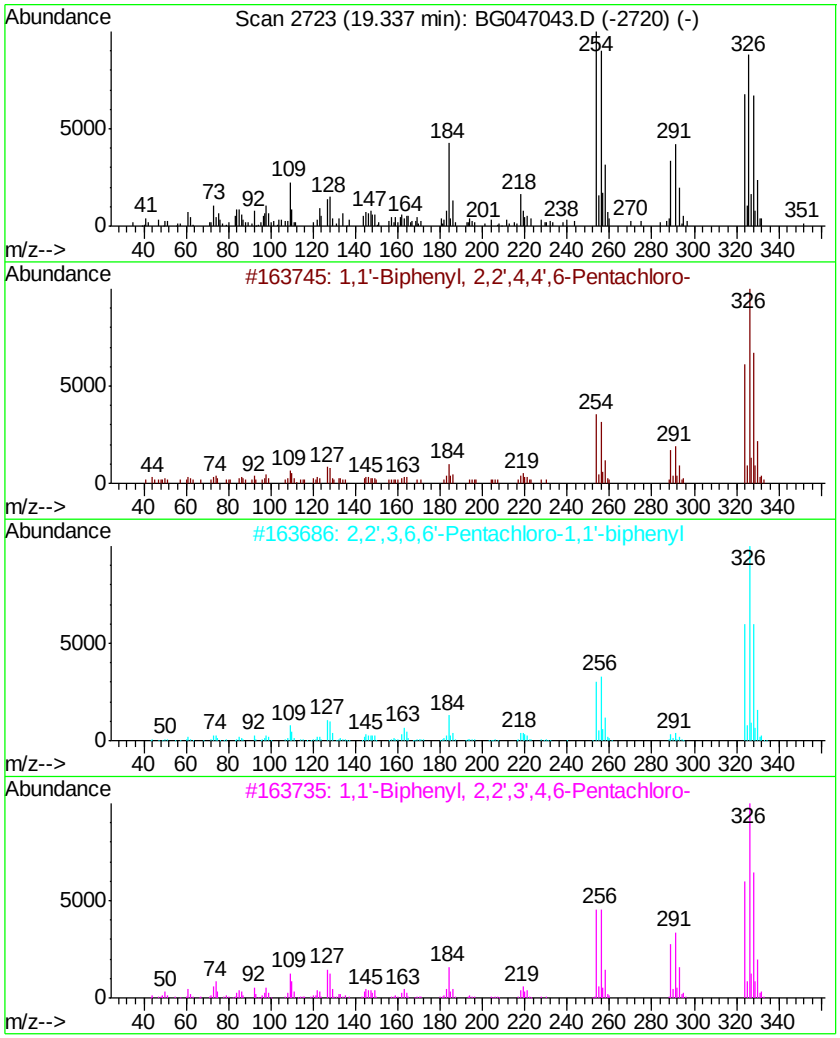
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

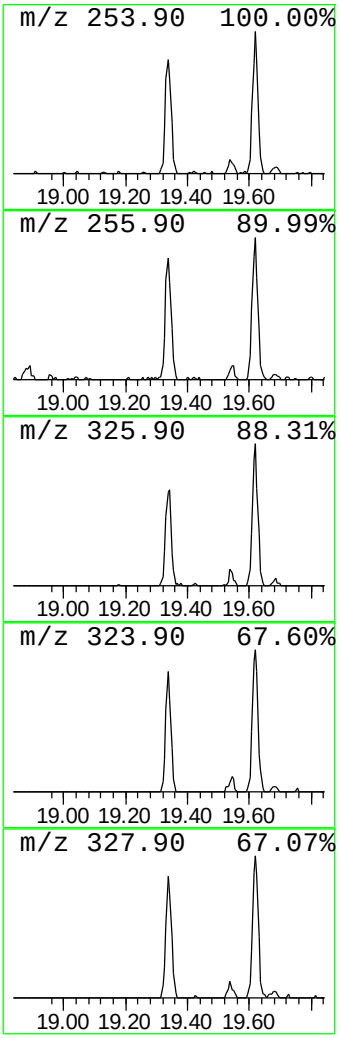
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.34 | 5.12 ng/ul | 205560 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324 | C12H5Cl5 | 039485-83-1 | 99 |
| 2 | 2,2',3,6,6'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 073575-54-9 | 98 |
| 3 | 1,1'-Biphenyl, 2,2',3',4,6-Penta... | 324 | C12H5Cl5 | 060233-25-2 | 98 |
| 4 | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 98 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,5'-penta... | 324 | C12H5Cl5 | 038380-02-8 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

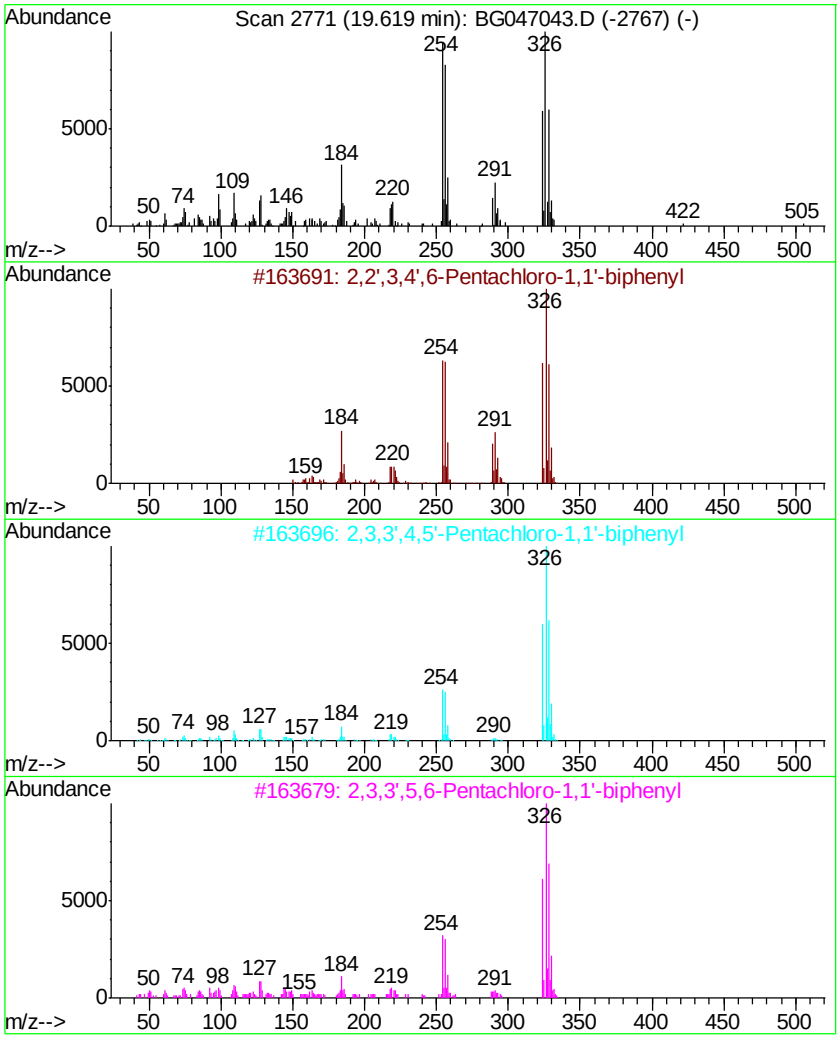
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

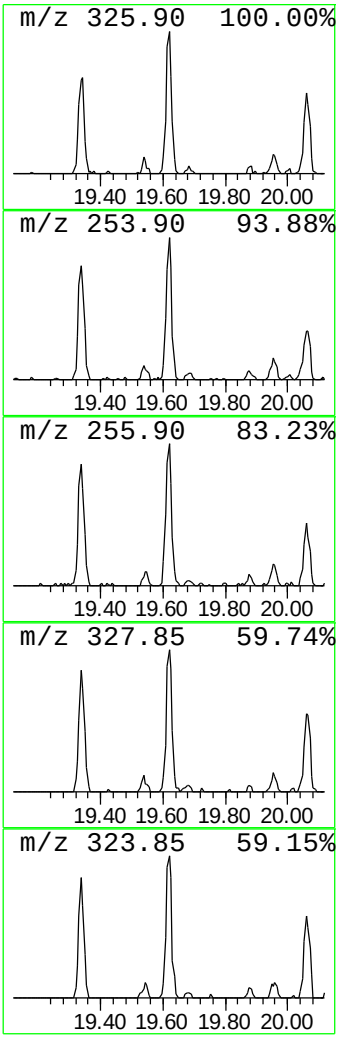
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 2,2',3,4',6-Pentachloro-1,1... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.62 | 2.95 ng/ul | 180583 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4',6-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 068194-05-8 | 99 |
| 2 | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 99 |
| 3 | 2,3,3',5,6-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 074472-36-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,4,4',5-Pentac... | 324 | C12H5Cl5 | 074472-37-0 | 99 |
| 5 | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

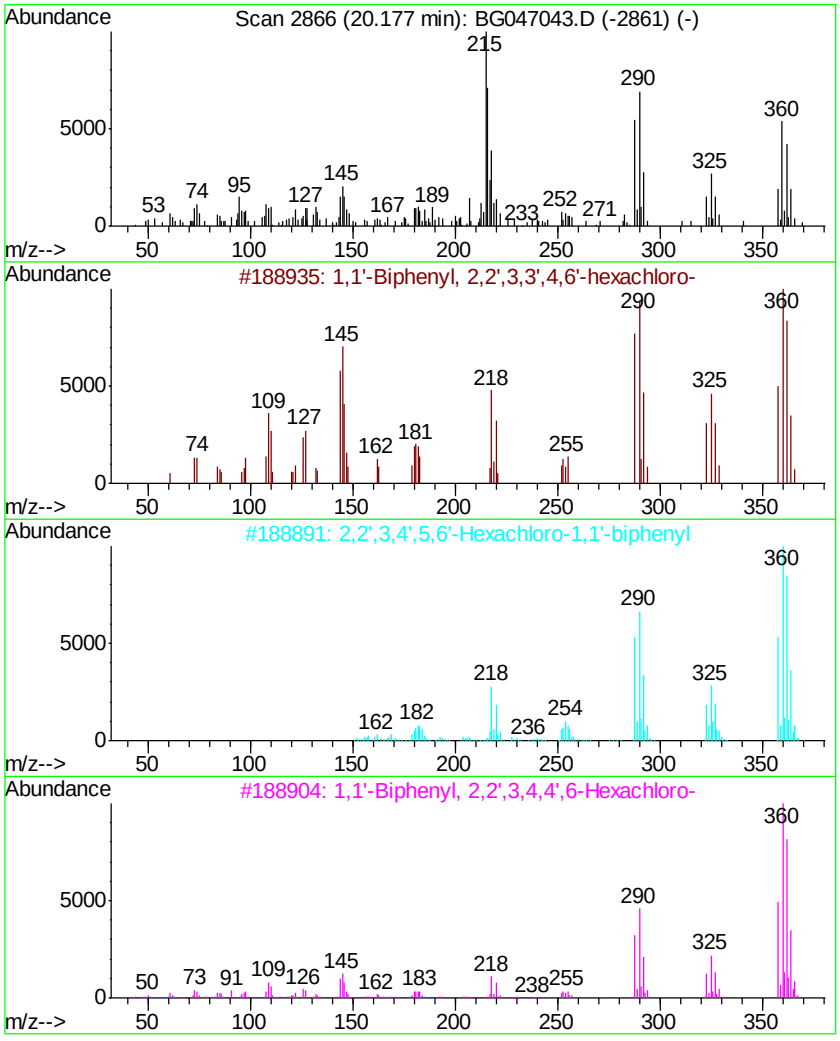
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

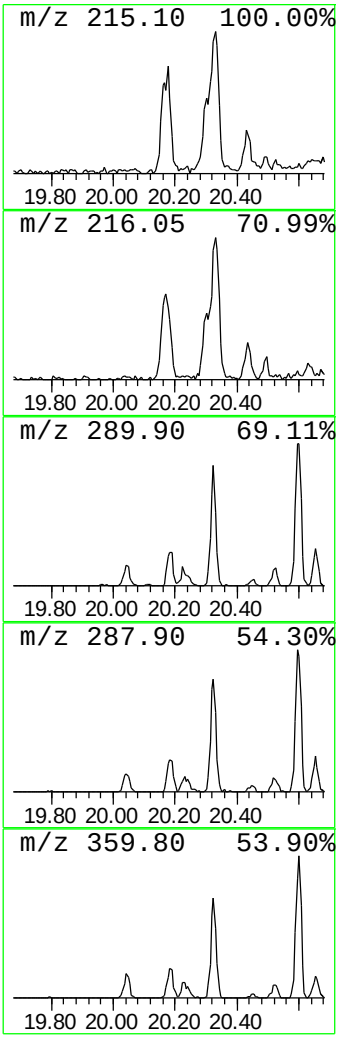
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.18 | 2.48 ng/ul | 152040 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,6'-he... | 358 | C12H4Cl6 | 038380-05-1 | 98 |
| 2 | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-41-6 | 95 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358 | C12H4Cl6 | 056030-56-9 | 95 |
| 4 | 1,1'-Biphenyl, 2,2',3,5,5',6-hex... | 358 | C12H4Cl6 | 052663-63-5 | 95 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,5,6'-Hex... | 358 | C12H4Cl6 | 068194-15-0 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

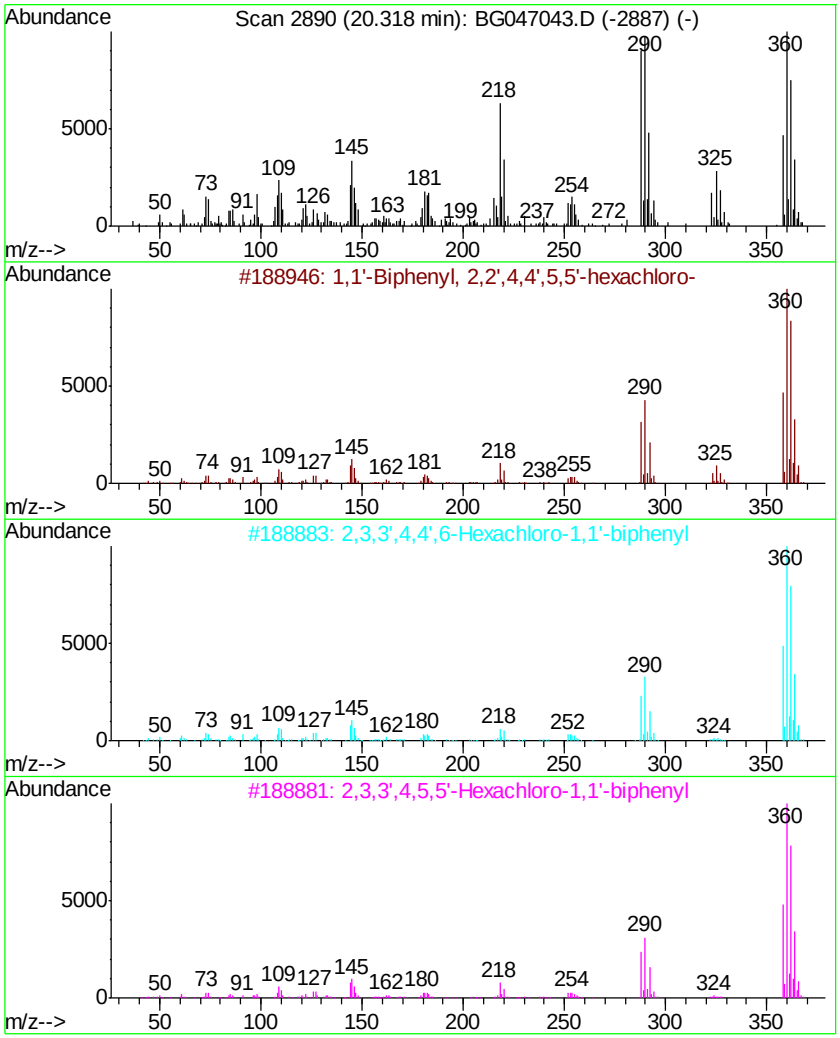
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

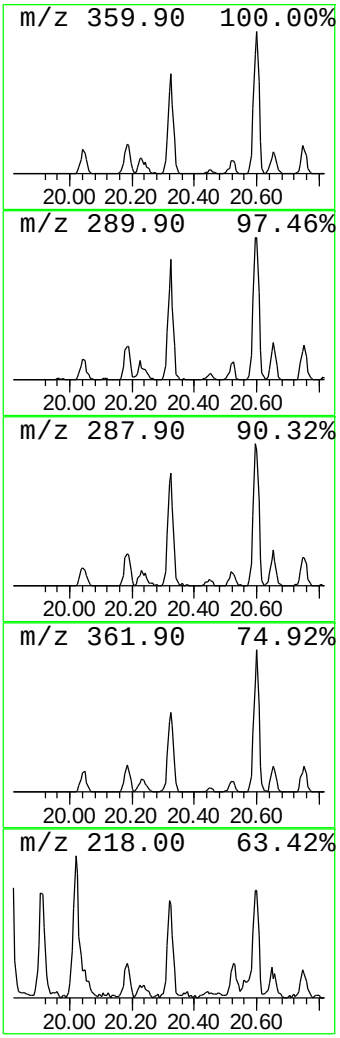
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.32 | 6.27 ng/ul | 384008 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |
| 2 | 2,3,3',4,4',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-42-7 | 99 |
| 3 | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 039635-35-3 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 5 | 2,3,3',4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-43-8 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

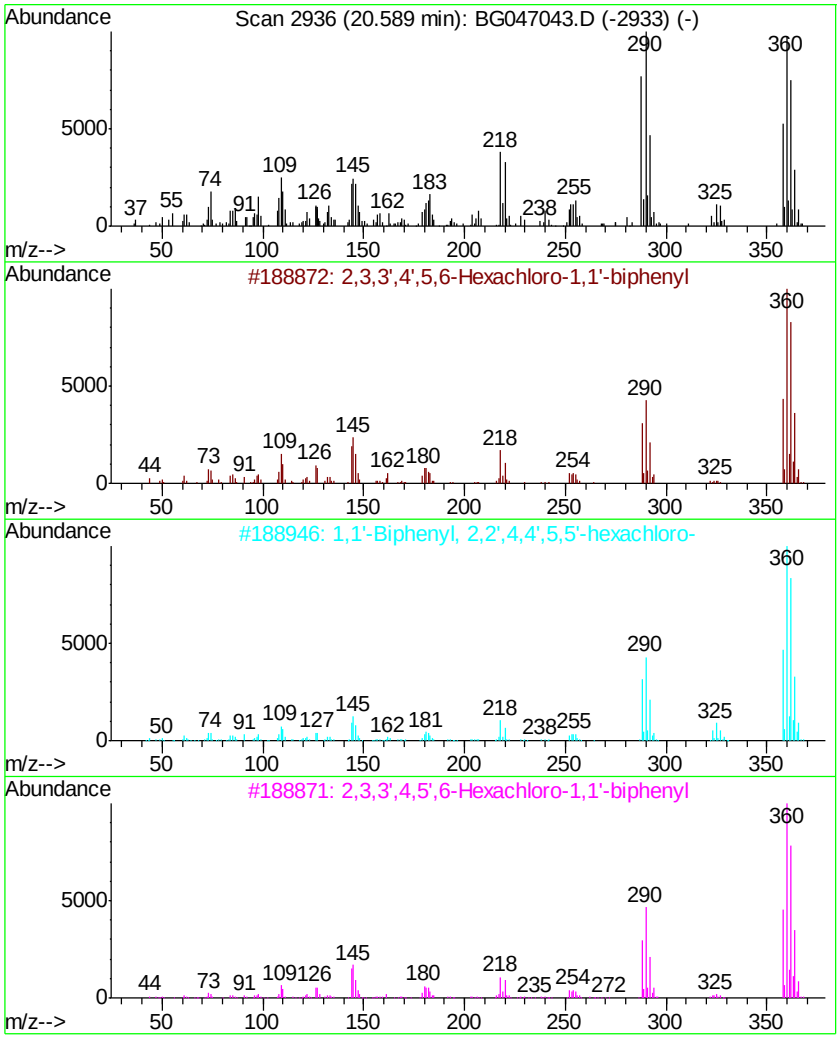
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

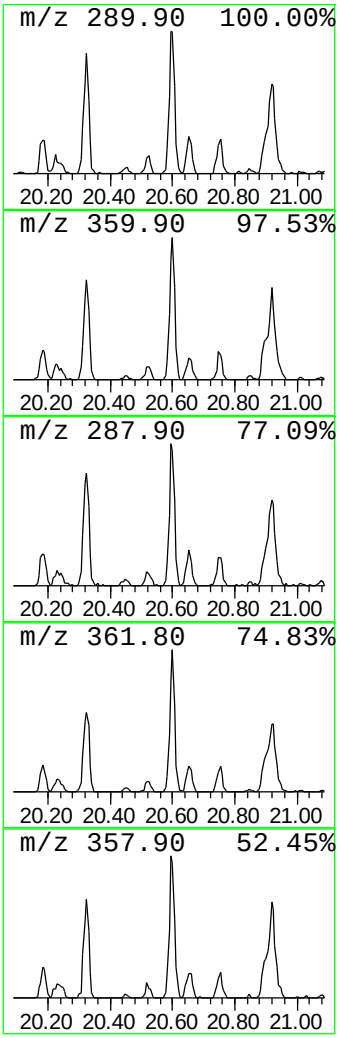
**********

Peak Number 11 2,3,3',4',5,6-Hexachloro-1,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.59 | 6.52 ng/ul | 399297 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-44-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |
| 3 | 2,3,3',4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-43-8 | 99 |
| 4 | 1,1'-Biphenyl, 3,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 032774-16-6 | 99 |
| 5 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

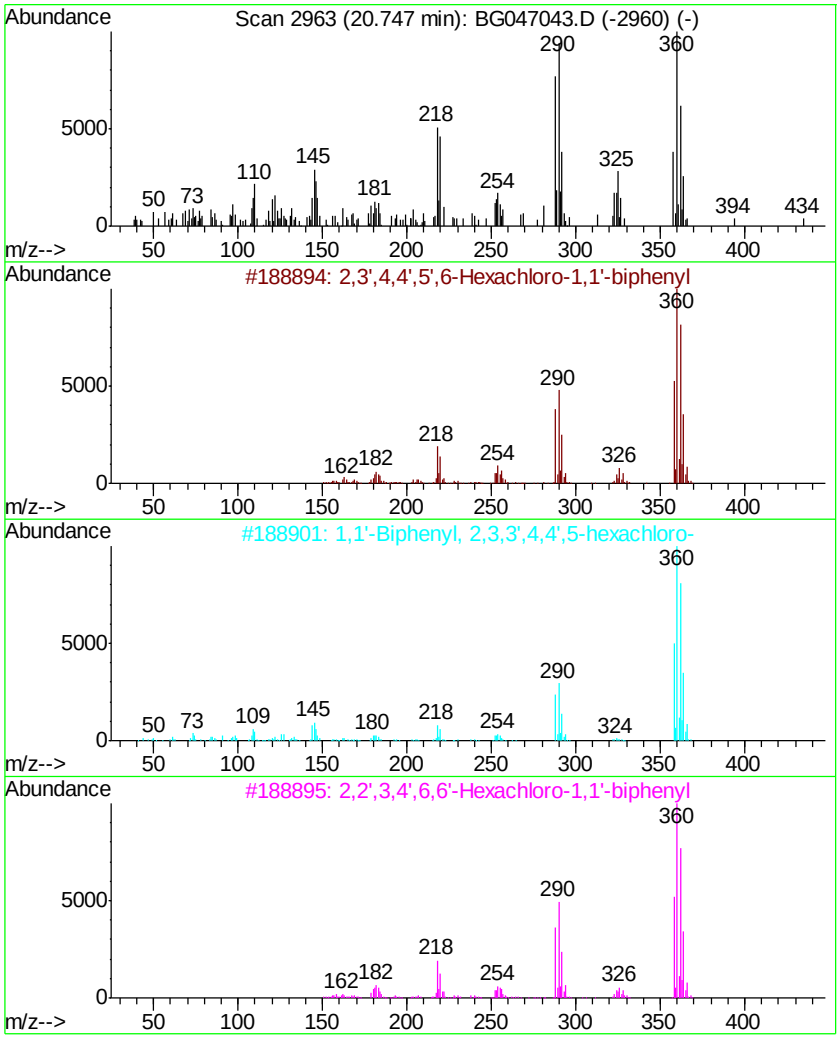
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

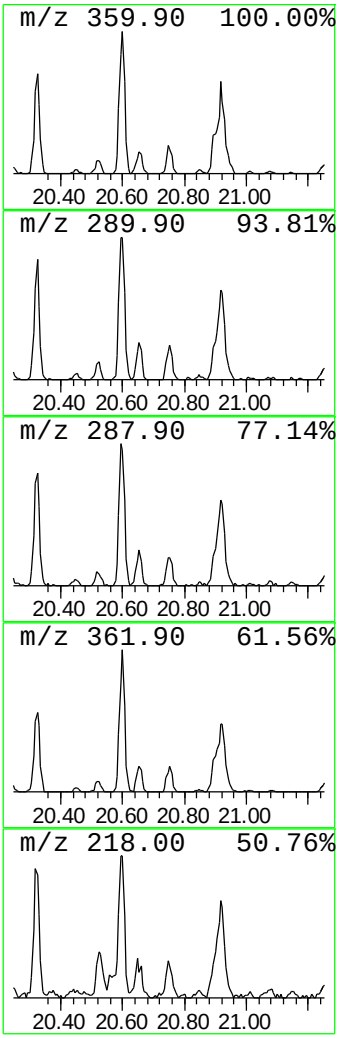
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.75 | 2.07 ng/ul | 126950 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 3 | 2,2',3,4',6,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 068194-08-1 | 99 |
| 4 | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 039635-35-3 | 99 |
| 5 | 2,3,3',4',5,5'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 039635-34-2 | 99 |



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Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

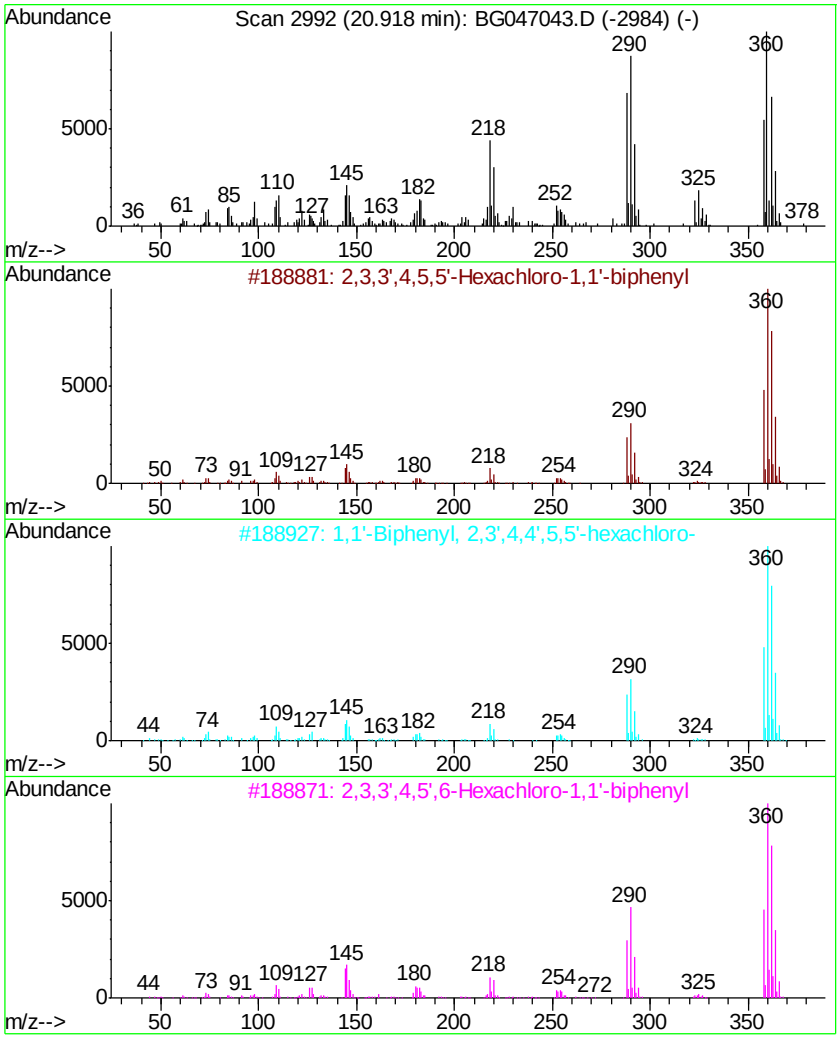
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

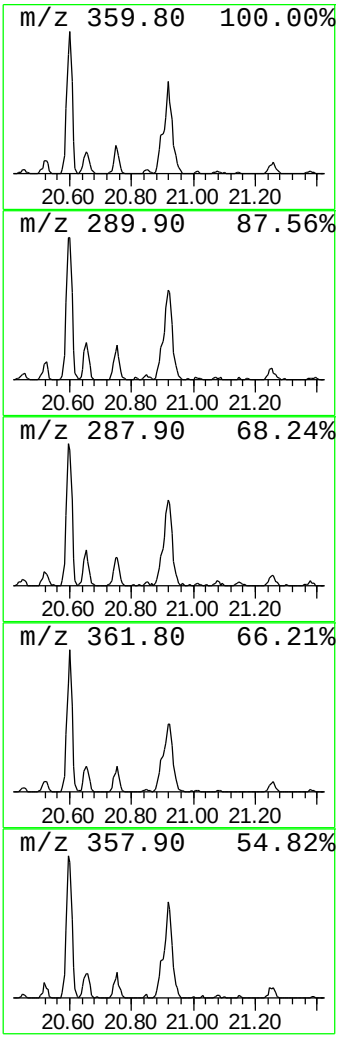
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 2,3,3',4,5,5'-Hexachloro-1,... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.92 | 7.08 ng/ul | 433350 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 039635-35-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 3 | 2,3,3',4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-43-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 5 | 2,2',3,5,6,6'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-09-2 | 99 |



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Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

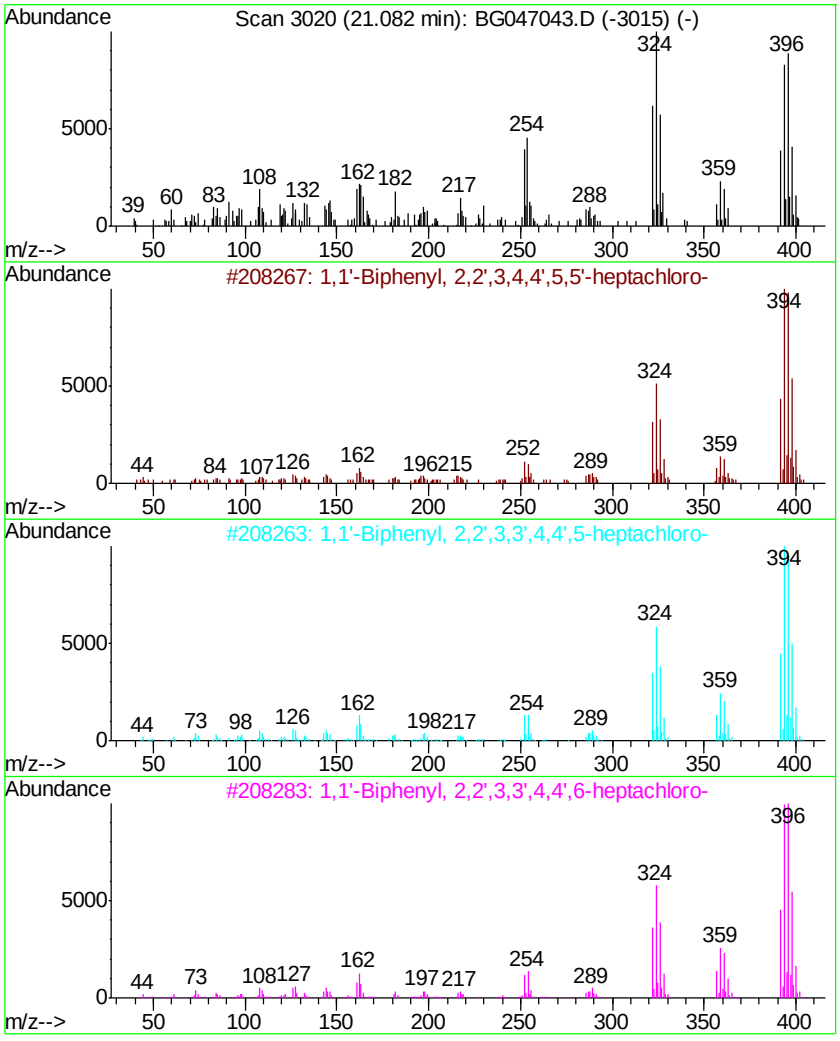
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

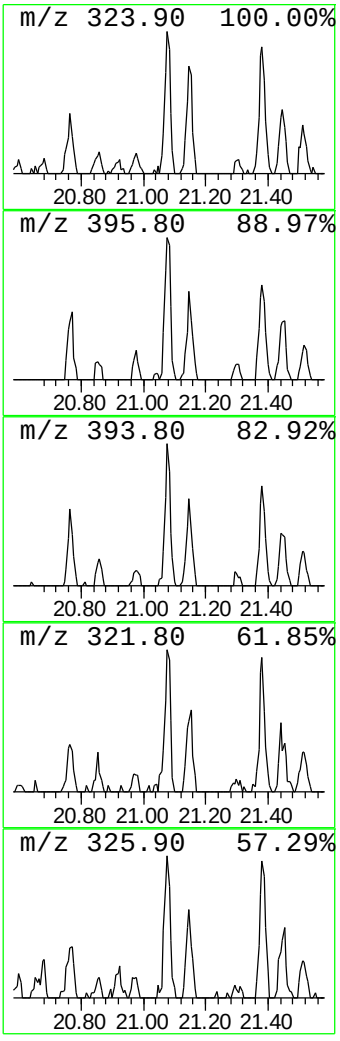
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.08 | 2.33 ng/ul | 142426 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4,4',5,5'-... | 392 | C12H3Cl7 | 035065-29-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 99 |
| 4 | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074487-85-7 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

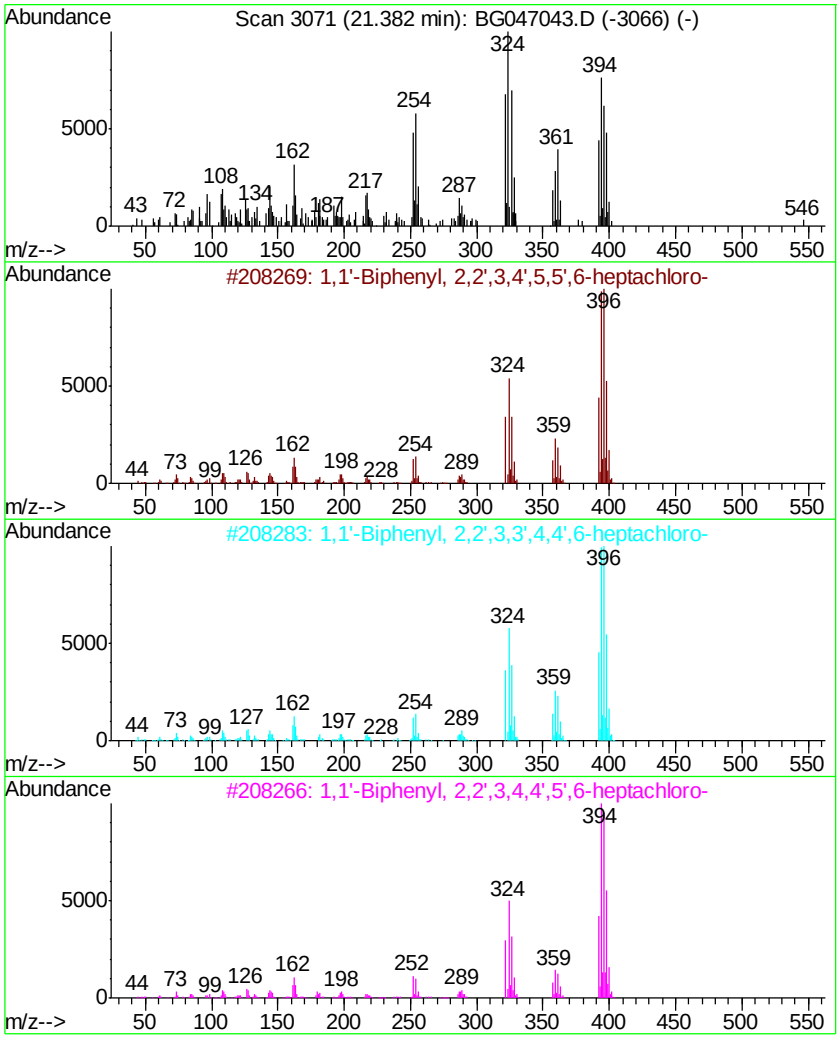
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

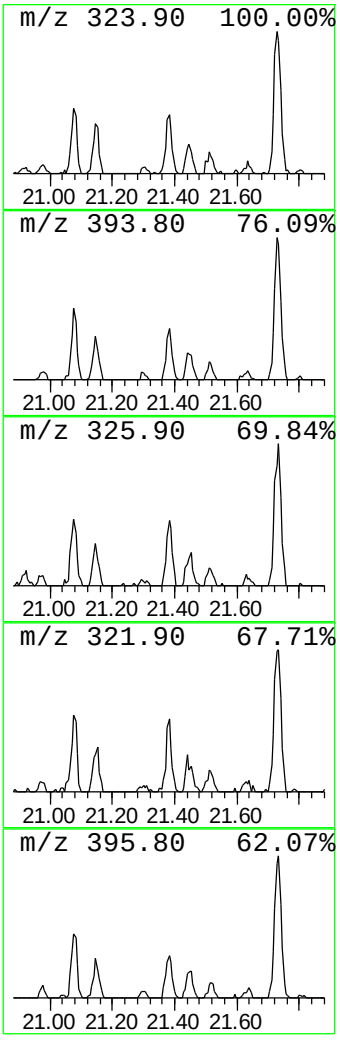
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.38 | 2.18 ng/ul | 133740 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 95 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 95 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 95 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 95 |
| 5 | 1,1'-Biphenyl, 2,3,3',4,5,5',6-h... | 392 | C12H3Cl7 | 074472-51-8 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

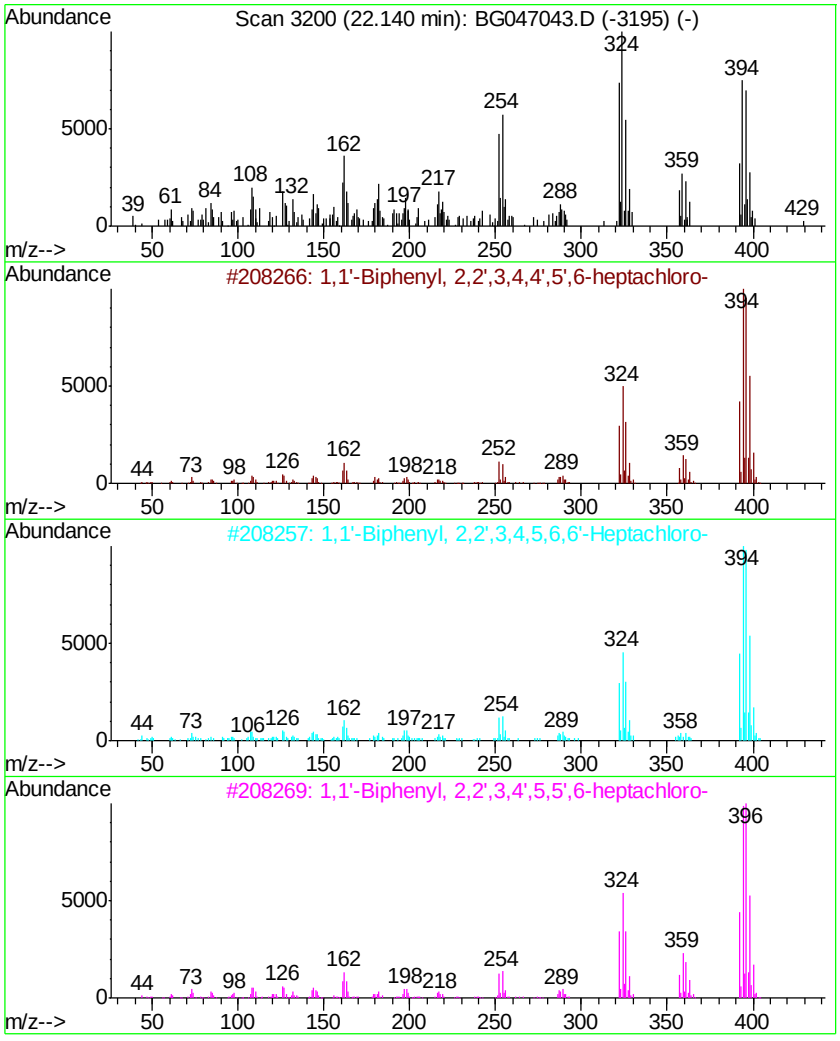
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION

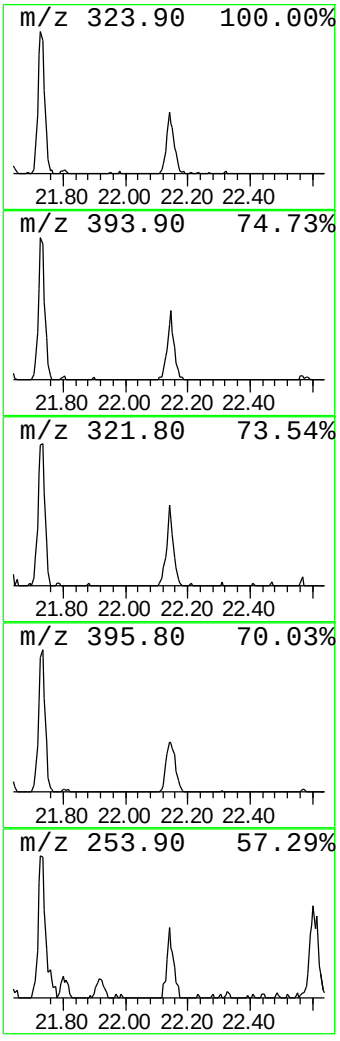
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.14 | 3.00 ng/ul | 183857 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,5,6,6'-H... | 392 | C12H3Cl7 | 074472-49-4 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5,5'-... | 392 | C12H3Cl7 | 035065-29-3 | 97 |
| 5 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.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 |
| (DEL) Alkane: Str... | 3.40 | 33.5 | ng/ul | 693662 | 1 | 8.06 | 414041 | 20.0 |
| Phenanthrene, 2-m... | 18.31 | 2.2 | ng/ul | 89860 | 4 | 17.43 | 802464 | 20.0 |
| Phenanthrene, 1-m... | 18.36 | 3.4 | ng/ul | 138008 | 4 | 17.43 | 802464 | 20.0 |
| unknown-01 | 18.50 | 3.8 | ng/ul | 154044 | 4 | 17.43 | 802464 | 20.0 |
| Anthracene, 9-met... | 18.54 | 2.1 | ng/ul | 82699 | 4 | 17.43 | 802464 | 20.0 |
| 5,16[1',2']:8,13[... | 18.80 | 2.5 | ng/ul | 100602 | 4 | 17.43 | 802464 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.34 | 5.1 | ng/ul | 205560 | 4 | 17.43 | 802464 | 20.0 |
| 2,2',3,4',6-Penta... | 19.62 | 3.0 | ng/ul | 180583 | 5 | 21.70 | 1224920 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.18 | 2.5 | ng/ul | 152040 | 5 | 21.70 | 1224920 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.32 | 6.3 | ng/ul | 384008 | 5 | 21.70 | 1224920 | 20.0 |
| 2,3,3',4',5,6-Hex... | 20.59 | 6.5 | ng/ul | 399297 | 5 | 21.70 | 1224920 | 20.0 |
| 2,3',4,4',5',6-He... | 20.75 | 2.1 | ng/ul | 126950 | 5 | 21.70 | 1224920 | 20.0 |
| 2,3,3',4,5,5'-Hex... | 20.92 | 7.1 | ng/ul | 433350 | 5 | 21.70 | 1224920 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.08 | 2.3 | ng/ul | 142426 | 5 | 21.70 | 1224920 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.38 | 2.2 | ng/ul | 133740 | 5 | 21.70 | 1224920 | 20.0 |
| 1,1'-Biphenyl, 2,... | 22.14 | 3.0 | ng/ul | 183857 | 5 | 21.70 | 1224920 | 20.0 |