

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
 Data File : BG047046.D  
 Acq On : 23 Oct 2020 1:08  
 Operator : CG/JU  
 Sample : L4449-03  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AD6

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 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<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.397       | 6             | 10          | 15           | rVB      | 566382         | 653690        | 76.75%          | 8.391%        |
| 2         | 3.550       | 34            | 36          | 40           | rVB      | 1266           | 1777          | 0.21%           | 0.023%        |
| 3         | 3.585       | 40            | 42          | 44           | rBV      | 1422           | 1555          | 0.18%           | 0.020%        |
| 4         | 3.720       | 61            | 65          | 66           | rBV2     | 2748           | 3901          | 0.46%           | 0.050%        |
| 5         | 3.749       | 66            | 70          | 75           | rVB2     | 17716          | 23355         | 2.74%           | 0.300%        |
| 6         | 3.832       | 80            | 84          | 85           | rBV      | 1663           | 2145          | 0.25%           | 0.028%        |
| 7         | 3.932       | 98            | 101         | 103          | rVB      | 1317           | 1505          | 0.18%           | 0.019%        |
| 8         | 4.084       | 122           | 127         | 128          | rBV2     | 1721           | 2526          | 0.30%           | 0.032%        |
| 9         | 4.125       | 130           | 134         | 138          | rVV4     | 1552           | 2088          | 0.25%           | 0.027%        |
| 10        | 4.196       | 143           | 146         | 148          | rBV      | 1274           | 1702          | 0.20%           | 0.022%        |
| 11        | 4.225       | 148           | 151         | 154          | rVB      | 3854           | 4462          | 0.52%           | 0.057%        |
| 12        | 4.331       | 166           | 169         | 171          | rBV      | 1597           | 1470          | 0.17%           | 0.019%        |
| 13        | 4.396       | 177           | 180         | 184          | rVB      | 1501           | 1779          | 0.21%           | 0.023%        |
| 14        | 4.507       | 197           | 199         | 202          | rBV2     | 1470           | 1659          | 0.19%           | 0.021%        |
| 15        | 4.778       | 241           | 245         | 249          | rVB3     | 2551           | 4014          | 0.47%           | 0.052%        |
| 16        | 5.624       | 386           | 389         | 392          | rBV      | 1323           | 1639          | 0.19%           | 0.021%        |
| 17        | 5.688       | 396           | 400         | 403          | rVV      | 1465           | 1531          | 0.18%           | 0.020%        |
| 18        | 5.906       | 433           | 437         | 441          | rVB      | 862            | 1524          | 0.18%           | 0.020%        |
| 19        | 5.953       | 441           | 445         | 450          | rBV2     | 1127           | 2034          | 0.24%           | 0.026%        |
| 20        | 6.053       | 459           | 462         | 464          | rBV      | 1303           | 1499          | 0.18%           | 0.019%        |
| 21        | 6.329       | 505           | 509         | 510          | rBV      | 1205           | 1733          | 0.20%           | 0.022%        |
| 22        | 6.517       | 538           | 541         | 543          | rBV      | 1727           | 1619          | 0.19%           | 0.021%        |
| 23        | 6.963       | 612           | 617         | 619          | rBV      | 1121           | 1957          | 0.23%           | 0.025%        |
| 24        | 7.016       | 623           | 626         | 629          | rVV2     | 1445           | 1663          | 0.20%           | 0.021%        |
| 25        | 7.187       | 653           | 655         | 660          | rBV      | 1860           | 2566          | 0.30%           | 0.033%        |
| 26        | 7.439       | 697           | 698         | 700          | rBV      | 1841           | 1453          | 0.17%           | 0.019%        |
| 27        | 7.480       | 703           | 705         | 710          | rVB3     | 1901           | 2679          | 0.31%           | 0.034%        |
| 28        | 7.856       | 767           | 769         | 772          | rVB3     | 2285           | 1706          | 0.20%           | 0.022%        |
| 29        | 7.892       | 772           | 775         | 778          | rBV3     | 1176           | 1667          | 0.20%           | 0.021%        |
| 30        | 8.062       | 794           | 804         | 812          | rBV      | 224380         | 373891        | 43.90%          | 4.799%        |
| 31        | 8.174       | 820           | 823         | 824          | rBV      | 1259           | 1472          | 0.17%           | 0.019%        |
| 32        | 8.197       | 824           | 827         | 831          | rVB2     | 5188           | 7844          | 0.92%           | 0.101%        |
| 33        | 9.296       | 1011          | 1014        | 1015         | rBV2     | 1283           | 1530          | 0.18%           | 0.020%        |
| 34        | 10.653      | 1242          | 1245        | 1249         | rBV2     | 1182           | 2032          | 0.24%           | 0.026%        |

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.735 | 1252 | 1259 | 1265 | rVB5 | 6251   | 11603  | 1.36%  | 0.149% |
| 36 | 10.871 | 1271 | 1282 | 1291 | rBV  | 268605 | 488459 | 57.35% | 6.270% |
| 37 | 11.035 | 1304 | 1310 | 1312 | rBV3 | 1175   | 1997   | 0.23%  | 0.026% |
| 38 | 11.088 | 1315 | 1319 | 1322 | rVB2 | 1578   | 1998   | 0.23%  | 0.026% |
| 39 | 11.129 | 1322 | 1326 | 1328 | rBV  | 2271   | 2526   | 0.30%  | 0.032% |
| 40 | 11.223 | 1339 | 1342 | 1345 | rBV  | 988    | 1503   | 0.18%  | 0.019% |
| 41 | 11.258 | 1345 | 1348 | 1351 | rBV2 | 1811   | 2189   | 0.26%  | 0.028% |
| 42 | 11.341 | 1358 | 1362 | 1363 | rBV2 | 1456   | 1566   | 0.18%  | 0.020% |
| 43 | 11.564 | 1397 | 1400 | 1404 | rVB  | 1751   | 2195   | 0.26%  | 0.028% |
| 44 | 12.210 | 1507 | 1510 | 1514 | rVB2 | 1588   | 2321   | 0.27%  | 0.030% |
| 45 | 12.557 | 1567 | 1569 | 1572 | rVB  | 1490   | 1799   | 0.21%  | 0.023% |
| 46 | 12.739 | 1597 | 1600 | 1602 | rBV2 | 2255   | 2181   | 0.26%  | 0.028% |
| 47 | 13.109 | 1659 | 1663 | 1667 | rVB  | 1789   | 2308   | 0.27%  | 0.030% |
| 48 | 13.373 | 1705 | 1708 | 1711 | rVB  | 1603   | 2180   | 0.26%  | 0.028% |
| 49 | 13.509 | 1726 | 1731 | 1733 | rVB2 | 2129   | 2650   | 0.31%  | 0.034% |
| 50 | 13.532 | 1733 | 1735 | 1742 | rVB2 | 1739   | 2417   | 0.28%  | 0.031% |
| 51 | 13.585 | 1742 | 1744 | 1746 | rBV  | 2205   | 2137   | 0.25%  | 0.027% |
| 52 | 13.867 | 1789 | 1792 | 1794 | rBV3 | 2226   | 2894   | 0.34%  | 0.037% |
| 53 | 14.014 | 1814 | 1817 | 1820 | rBV2 | 1307   | 1867   | 0.22%  | 0.024% |
| 54 | 14.073 | 1825 | 1827 | 1830 | rVB  | 2175   | 2032   | 0.24%  | 0.026% |
| 55 | 14.114 | 1830 | 1834 | 1836 | rBV  | 2102   | 2569   | 0.30%  | 0.033% |
| 56 | 14.161 | 1839 | 1842 | 1843 | rVV  | 1858   | 1701   | 0.20%  | 0.022% |
| 57 | 14.178 | 1843 | 1845 | 1849 | rVB2 | 2121   | 1854   | 0.22%  | 0.024% |
| 58 | 14.255 | 1854 | 1858 | 1860 | rVB  | 1594   | 2380   | 0.28%  | 0.031% |
| 59 | 14.290 | 1862 | 1864 | 1865 | rBV  | 2296   | 1638   | 0.19%  | 0.021% |
| 60 | 14.302 | 1865 | 1866 | 1869 | rVB2 | 1985   | 1649   | 0.19%  | 0.021% |
| 61 | 14.337 | 1869 | 1872 | 1876 | rBV2 | 1612   | 2270   | 0.27%  | 0.029% |
| 62 | 14.449 | 1888 | 1891 | 1892 | rBV2 | 1442   | 1609   | 0.19%  | 0.021% |
| 63 | 14.607 | 1916 | 1918 | 1923 | rVB  | 1868   | 2007   | 0.24%  | 0.026% |
| 64 | 14.690 | 1923 | 1932 | 1941 | rBV  | 419590 | 656381 | 77.06% | 8.426% |
| 65 | 14.813 | 1952 | 1953 | 1959 | rVB2 | 2518   | 2500   | 0.29%  | 0.032% |
| 66 | 14.936 | 1971 | 1974 | 1976 | rBV2 | 1391   | 1565   | 0.18%  | 0.020% |
| 67 | 14.989 | 1981 | 1983 | 1985 | rBV  | 2784   | 2428   | 0.29%  | 0.031% |
| 68 | 15.083 | 1998 | 1999 | 2004 | rVB2 | 2534   | 2890   | 0.34%  | 0.037% |
| 69 | 15.166 | 2011 | 2013 | 2016 | rVB2 | 2020   | 2029   | 0.24%  | 0.026% |
| 70 | 15.189 | 2016 | 2017 | 2019 | rVV  | 2475   | 1776   | 0.21%  | 0.023% |
| 71 | 15.230 | 2022 | 2024 | 2027 | rVB  | 1723   | 1570   | 0.18%  | 0.020% |

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

|     |        |      |      |      |      |        |        |         |         |
|-----|--------|------|------|------|------|--------|--------|---------|---------|
| 72  | 15.483 | 2062 | 2067 | 2068 | rBV3 | 3094   | 4413   | 0.52%   | 0.057%  |
| 73  | 15.577 | 2079 | 2083 | 2085 | rBV2 | 2269   | 3793   | 0.45%   | 0.049%  |
| 74  | 15.630 | 2090 | 2092 | 2094 | rBV2 | 1482   | 1804   | 0.21%   | 0.023%  |
| 75  | 15.700 | 2100 | 2104 | 2107 | rBV2 | 2715   | 3843   | 0.45%   | 0.049%  |
| 76  | 15.724 | 2107 | 2108 | 2110 | rBV  | 2397   | 2085   | 0.24%   | 0.027%  |
| 77  | 15.777 | 2116 | 2117 | 2119 | rBV2 | 1927   | 1470   | 0.17%   | 0.019%  |
| 78  | 15.882 | 2133 | 2135 | 2137 | rVV2 | 3912   | 2208   | 0.26%   | 0.028%  |
| 79  | 15.935 | 2141 | 2144 | 2146 | rBV4 | 2610   | 2567   | 0.30%   | 0.033%  |
| 80  | 16.135 | 2176 | 2178 | 2180 | rVB2 | 3074   | 2601   | 0.31%   | 0.033%  |
| 81  | 16.164 | 2182 | 2183 | 2185 | rBV2 | 2252   | 1545   | 0.18%   | 0.020%  |
| 82  | 16.864 | 2300 | 2302 | 2304 | rBV3 | 5302   | 2532   | 0.30%   | 0.033%  |
| 83  | 17.433 | 2393 | 2399 | 2404 | rBV  | 483299 | 718592 | 84.37%  | 9.224%  |
| 84  | 19.337 | 2720 | 2723 | 2729 | rVB3 | 86057  | 130178 | 15.28%  | 1.671%  |
| 85  | 19.478 | 2744 | 2747 | 2753 | rVB2 | 53613  | 80626  | 9.47%   | 1.035%  |
| 86  | 19.619 | 2767 | 2771 | 2775 | rBV2 | 114508 | 143360 | 16.83%  | 1.840%  |
| 87  | 20.183 | 2863 | 2867 | 2872 | rBV4 | 91409  | 115822 | 13.60%  | 1.487%  |
| 88  | 20.324 | 2887 | 2891 | 2895 | rVB  | 275438 | 341301 | 40.07%  | 4.381%  |
| 89  | 20.594 | 2933 | 2937 | 2942 | rBV  | 362346 | 446611 | 52.43%  | 5.733%  |
| 90  | 20.653 | 2943 | 2947 | 2955 | rVB5 | 89551  | 125977 | 14.79%  | 1.617%  |
| 91  | 20.753 | 2960 | 2964 | 2972 | rVB4 | 99167  | 177251 | 20.81%  | 2.275%  |
| 92  | 20.918 | 2985 | 2992 | 3000 | rVB  | 236035 | 434707 | 51.04%  | 5.580%  |
| 93  | 21.076 | 3015 | 3019 | 3025 | rVB3 | 128514 | 168351 | 19.77%  | 2.161%  |
| 94  | 21.147 | 3028 | 3031 | 3035 | rVB2 | 74152  | 93843  | 11.02%  | 1.205%  |
| 95  | 21.382 | 3067 | 3071 | 3078 | rVB4 | 114649 | 158979 | 18.67%  | 2.041%  |
| 96  | 21.446 | 3079 | 3082 | 3088 | rVB7 | 67975  | 93316  | 10.96%  | 1.198%  |
| 97  | 21.699 | 3119 | 3125 | 3128 | rBV  | 469410 | 837738 | 98.36%  | 10.754% |
| 98  | 22.146 | 3196 | 3201 | 3207 | rVB5 | 120121 | 207343 | 24.34%  | 2.662%  |
| 99  | 24.931 | 3667 | 3675 | 3686 | rVB  | 305465 | 851746 | 100.00% | 10.933% |
| 100 | 26.094 | 3865 | 3873 | 3881 | rVB3 | 102416 | 288423 | 33.86%  | 3.702%  |

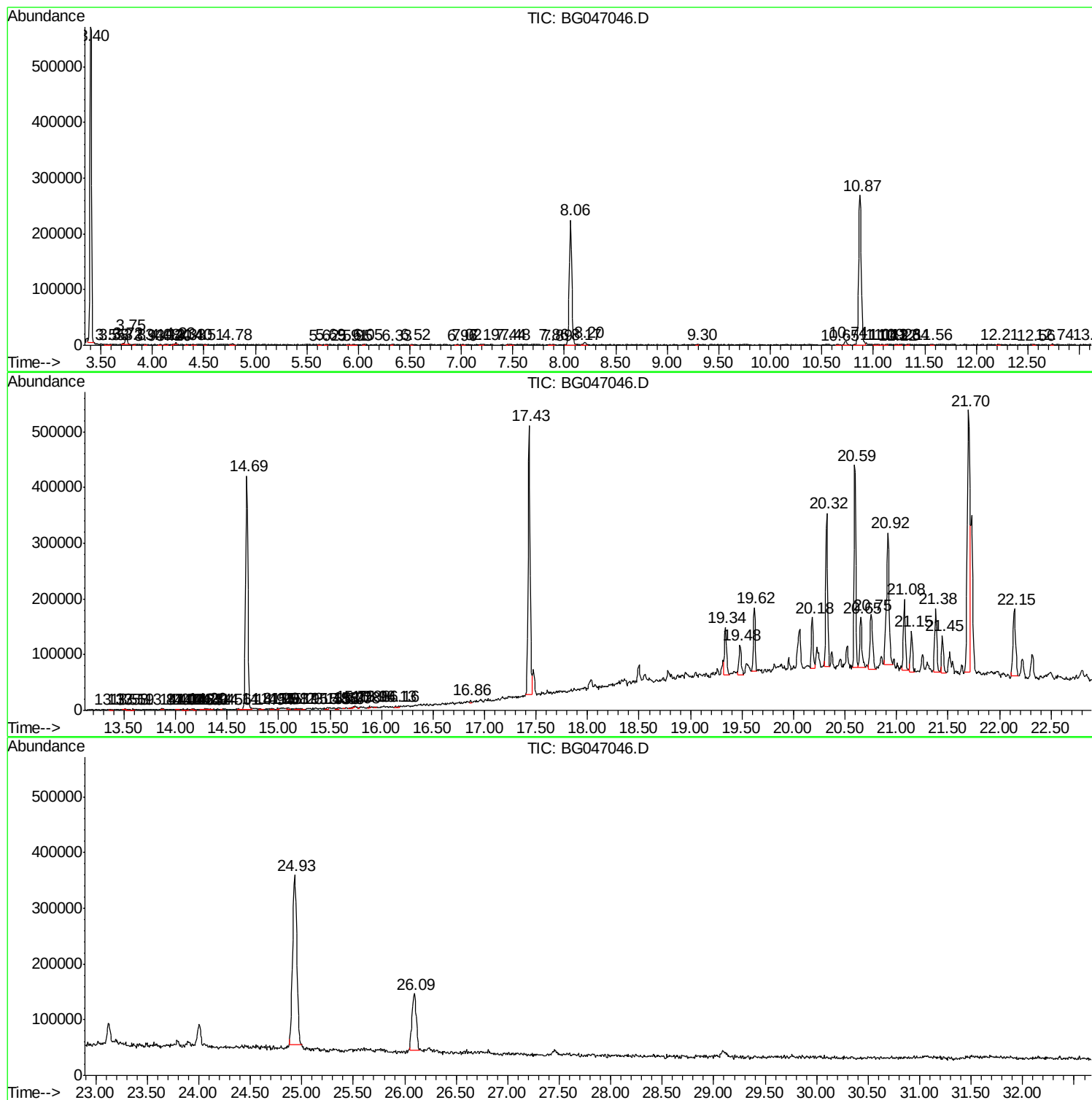
Sum of corrected areas: 7790330

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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



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

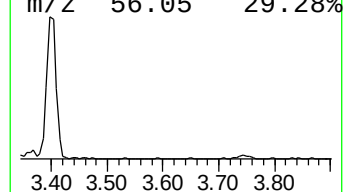
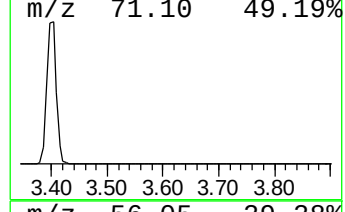
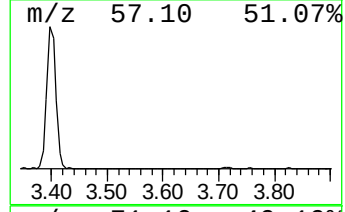
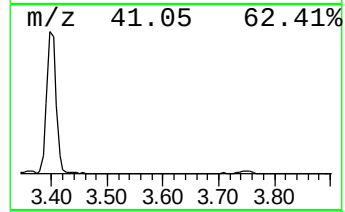
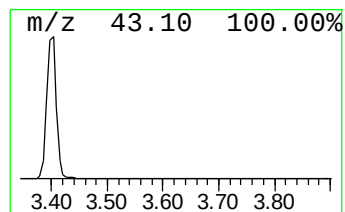
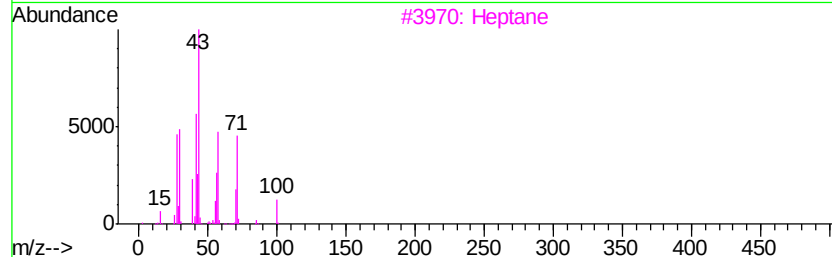
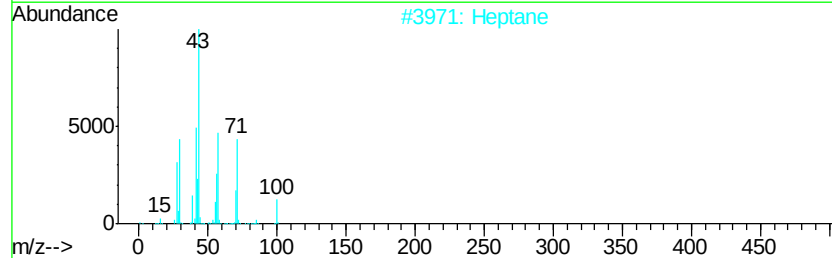
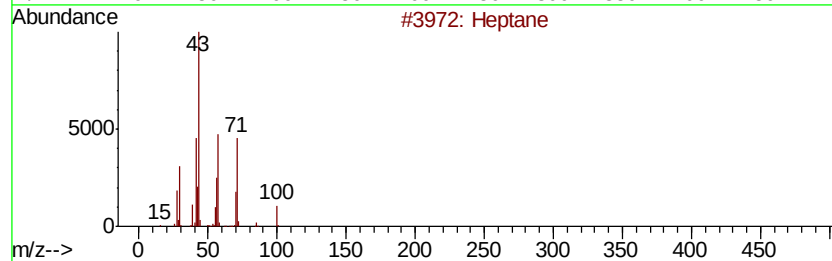
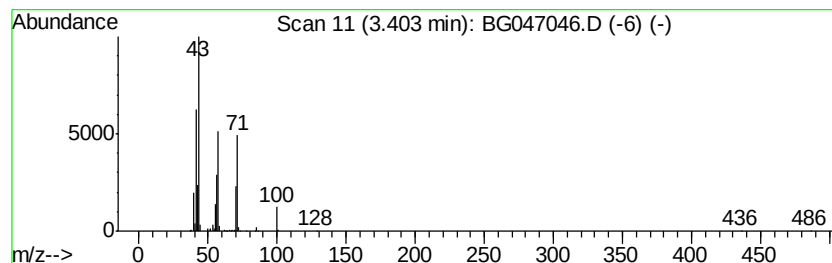
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.40 | 34.97 ng/ul | 653690 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Heptane                            | 100 | C7H16    | 000142-82-5  | 95   |
| 2    |    | Heptane                            | 100 | C7H16    | 000142-82-5  | 94   |
| 3    |    | Heptane                            | 100 | C7H16    | 000142-82-5  | 91   |
| 4    |    | Heptane                            | 100 | C7H16    | 000142-82-5  | 87   |
| 5    |    | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 59   |



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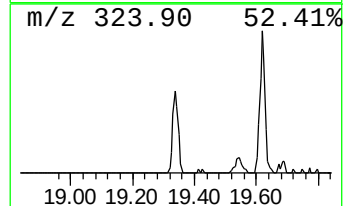
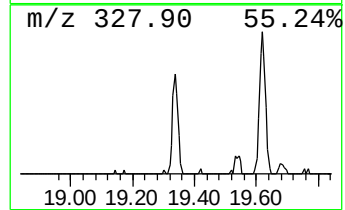
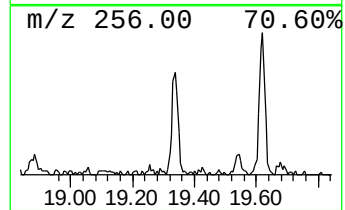
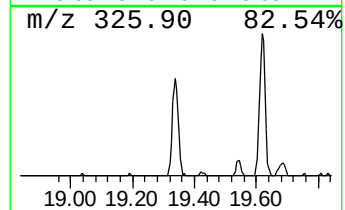
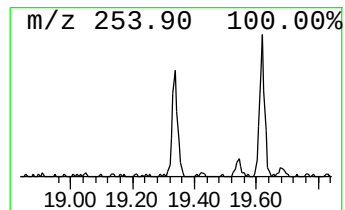
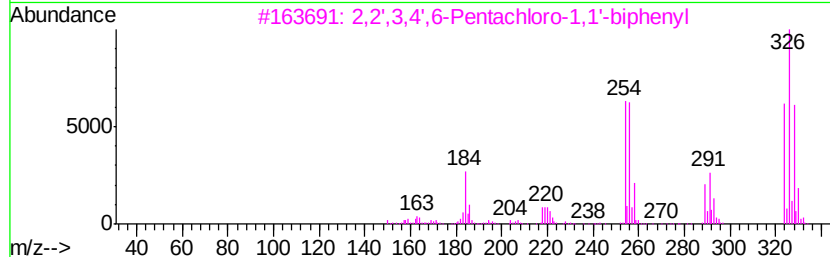
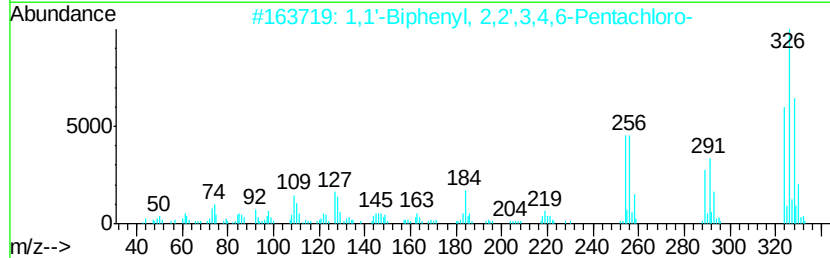
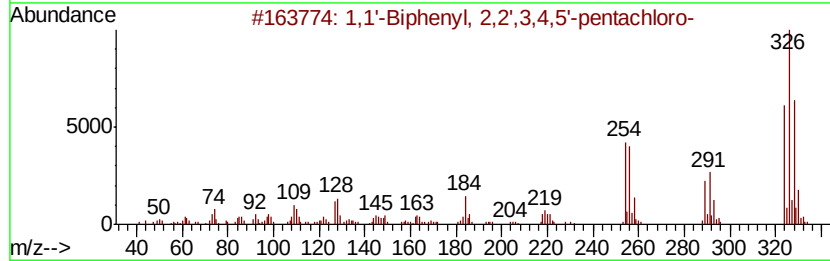
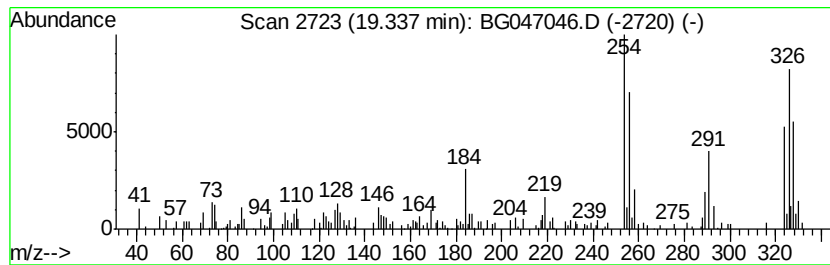
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.34     | 3.62 ng/ul                          | 130178 | Phenanthrene-d10 | 17.43       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',3,4,5'-penta... | 324    | C12H5Cl5         | 038380-02-8 | 98   |
| 2         | 1,1'-Biphenyl, 2,2',3,4,6-Pentac... | 324    | C12H5Cl5         | 055215-17-3 | 98   |
| 3         | 2,2',3,4',6-Pentachloro-1,1'-bip... | 324    | C12H5Cl5         | 068194-05-8 | 98   |
| 4         | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324    | C12H5Cl5         | 052663-61-3 | 98   |
| 5         | 1,1'-Biphenyl, 2,2',3',4,6-Penta... | 324    | C12H5Cl5         | 060233-25-2 | 98   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

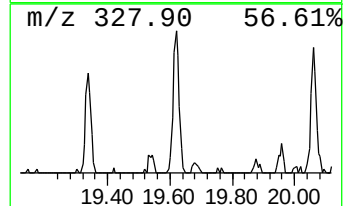
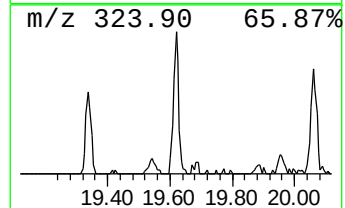
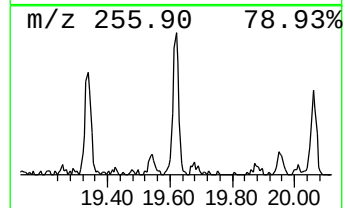
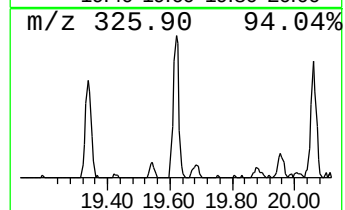
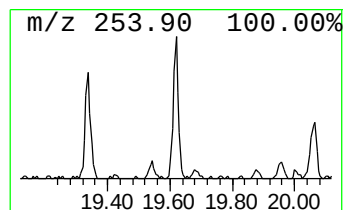
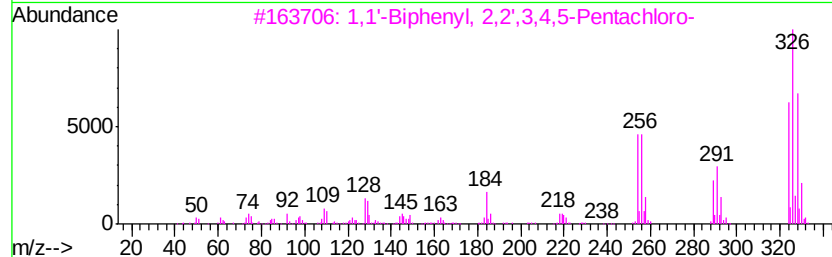
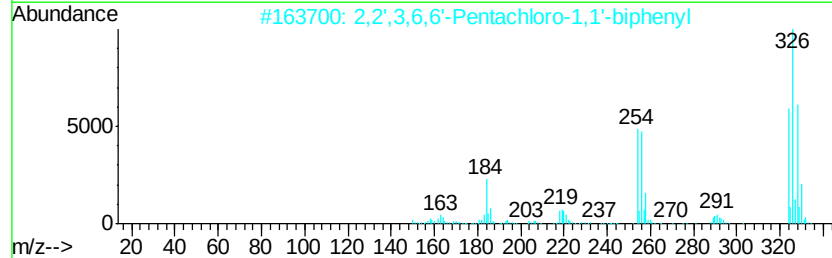
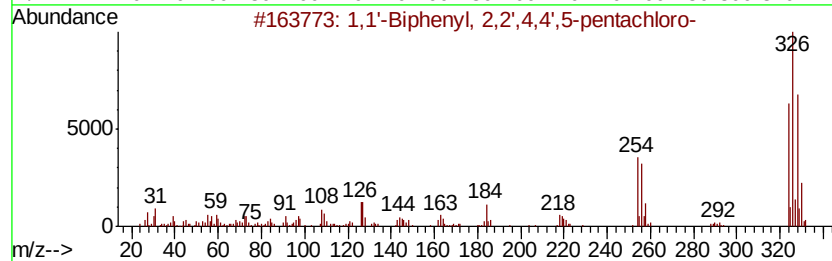
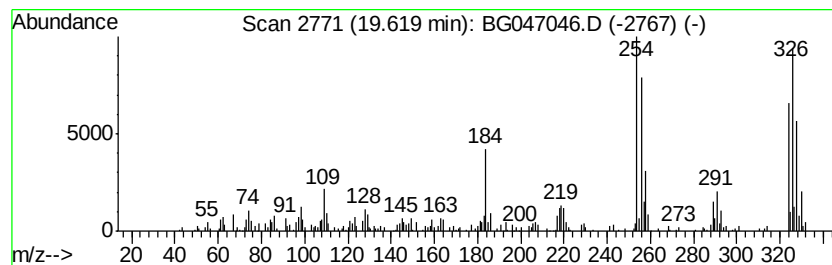
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.62 | 3.42 ng/ul | 143360 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 99   |
| 2    |    | 2,2',3,6,6'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 073575-54-9 | 98   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,4,5-Pentac... | 324 | C12H5Cl5 | 055312-69-1 | 97   |
| 4    |    | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324 | C12H5Cl5 | 039485-83-1 | 97   |
| 5    |    | 2,3,3',5,6-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 074472-36-9 | 96   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

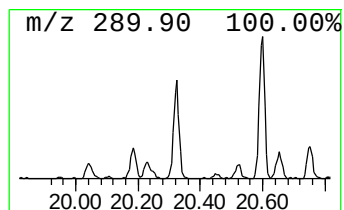
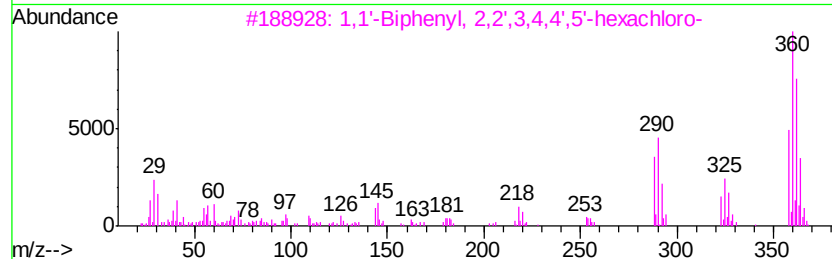
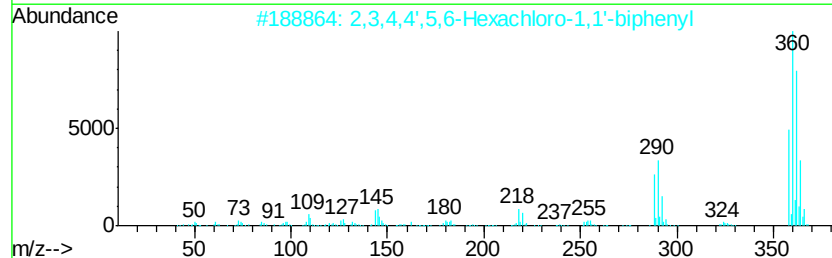
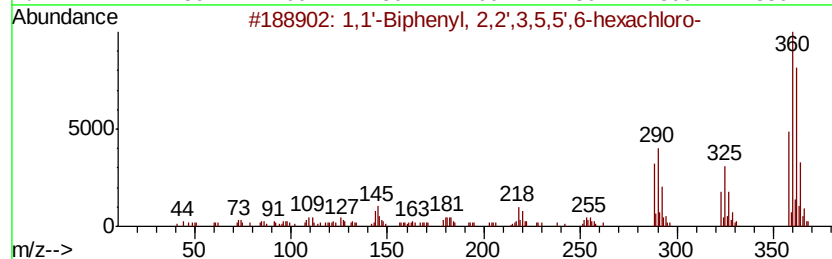
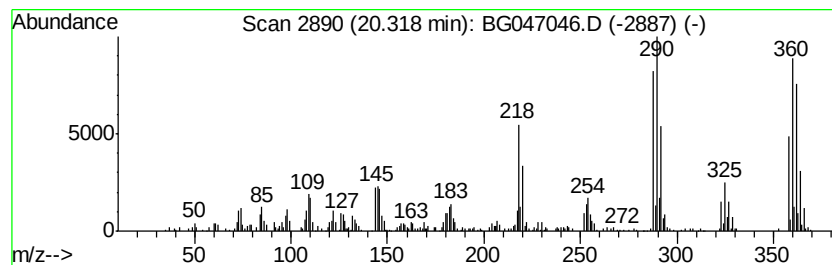
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.32 | 8.15 ng/ul | 341301 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',3,5,5',6-hex... | 358 | C12H4Cl6 | 052663-63-5 | 99   |
| 2    |    | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-63-6 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',3,4,5,6'-Hex... | 358 | C12H4Cl6 | 068194-15-0 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,2',3,3',5,5'-He... | 358 | C12H4Cl6 | 035694-04-3 | 99   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

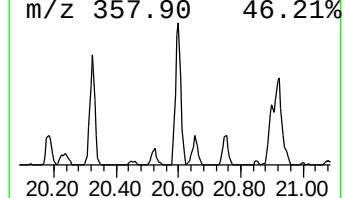
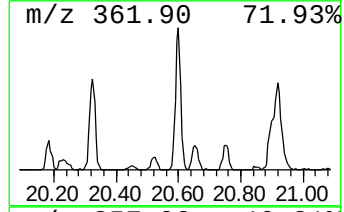
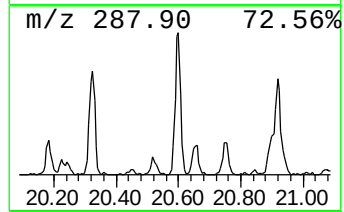
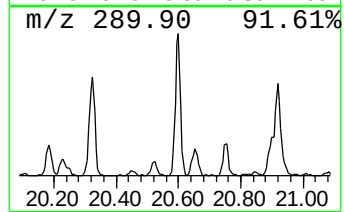
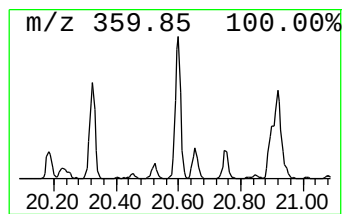
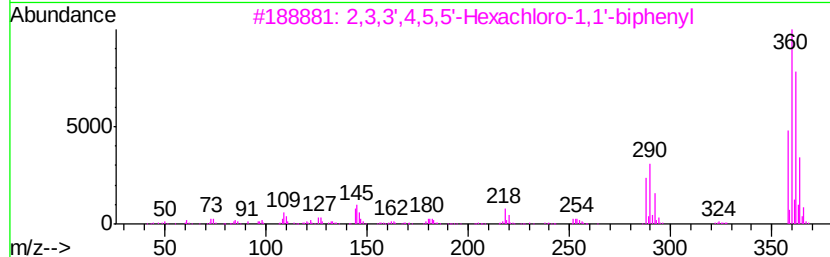
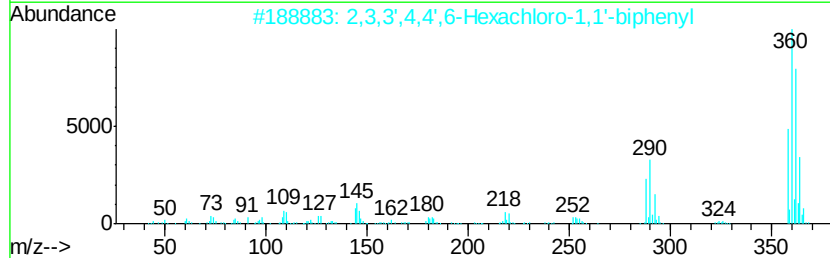
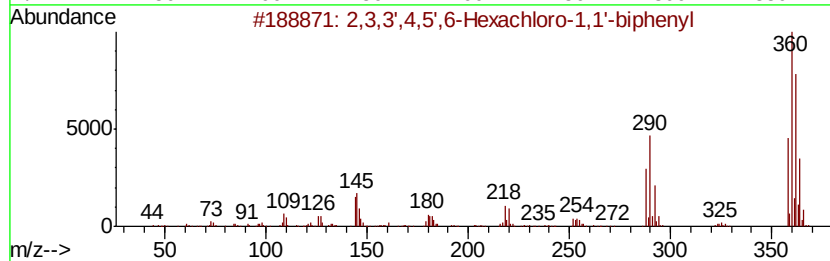
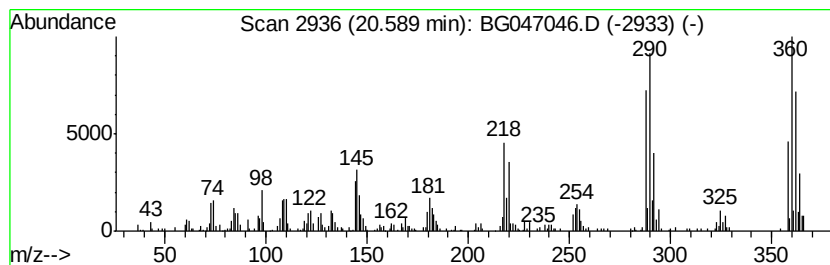
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 20.59 | 10.66 ng/ul | 446611 | Chrysene-d12     | 21.70 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

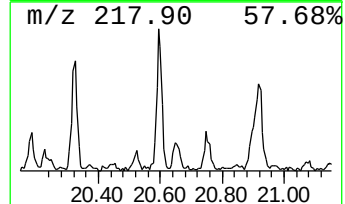
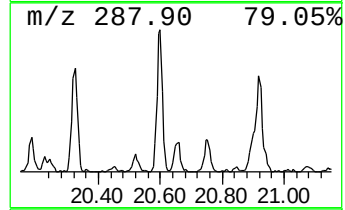
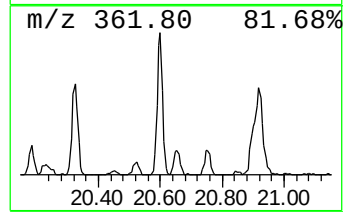
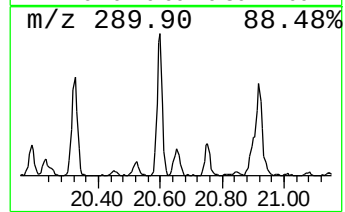
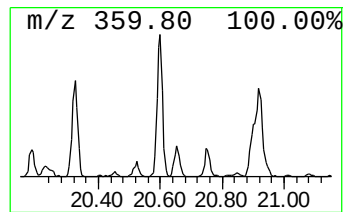
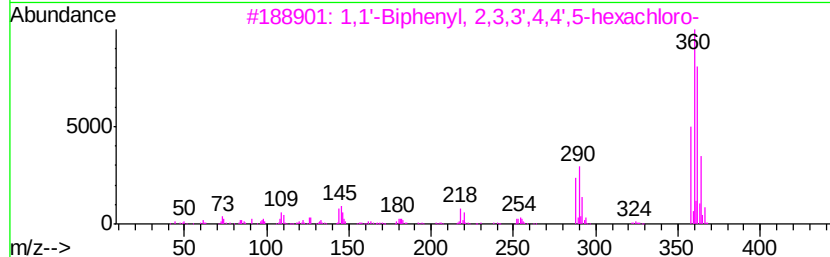
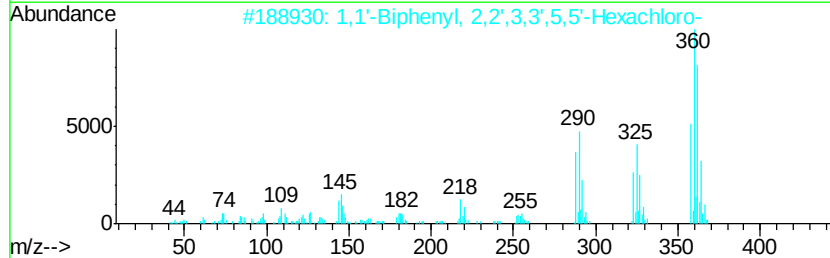
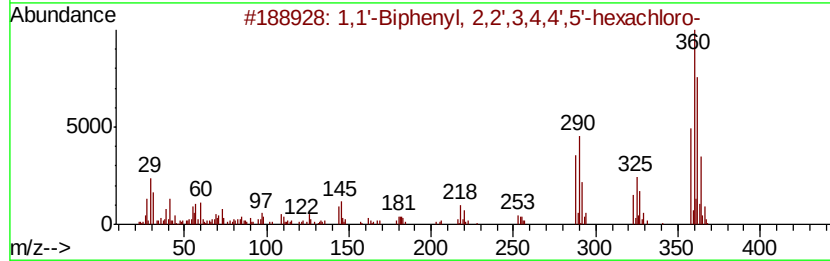
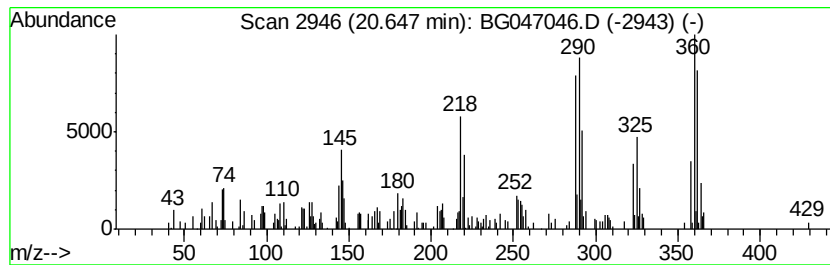
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.65 | 3.01 ng/ul | 125977 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',3,3',5,5'-He... | 358 | C12H4Cl6 | 035694-04-3 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',3,5,5',6-hex... | 358 | C12H4Cl6 | 052663-63-5 | 99   |
| 5    |    | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-63-6 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

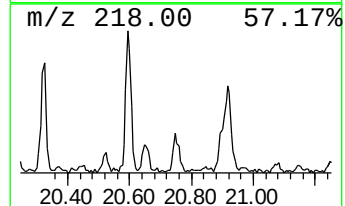
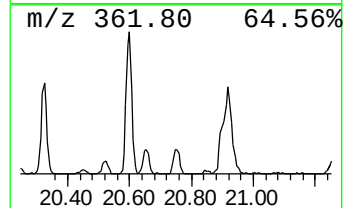
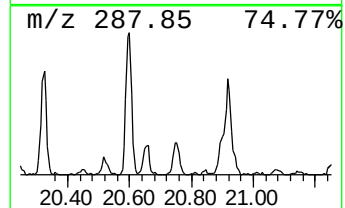
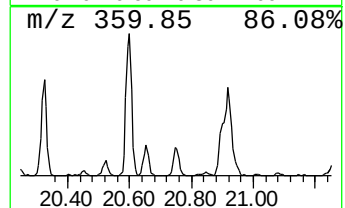
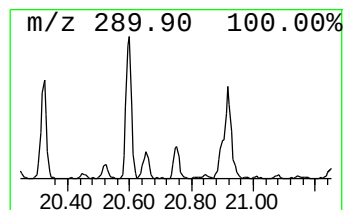
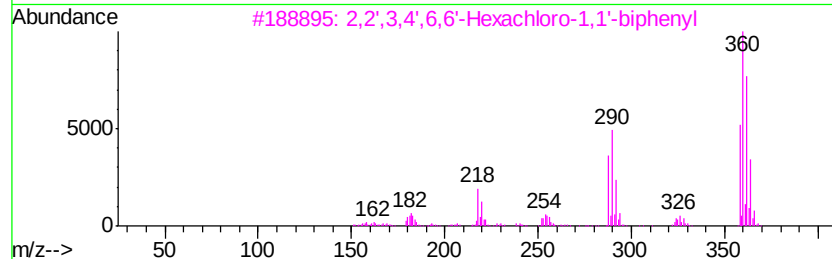
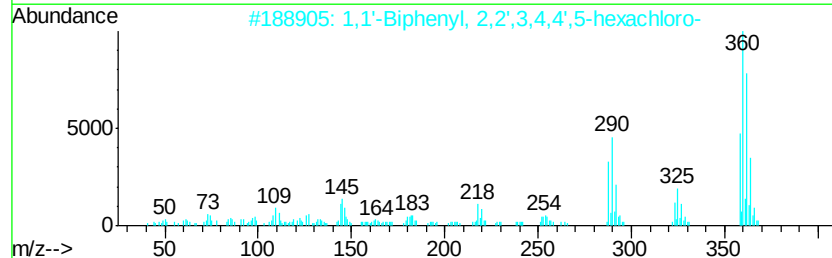
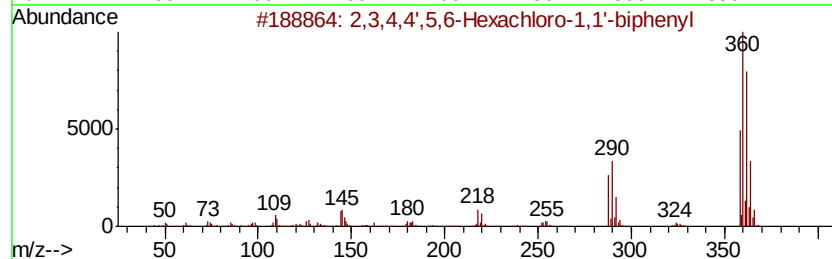
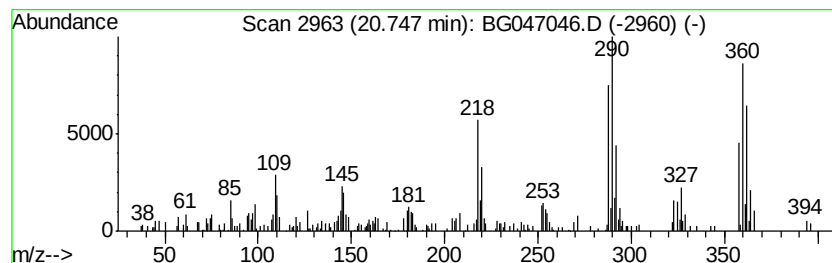
Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 20.75   | 4.23 ng/ul                          | 177251       | Chrysene-d12     | 21.70     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 C12H4Cl6 | 041411-63-6      | 99        |
| 2       | 1,1'-Biphenyl, 2,2',3,4,4',5-hex... | 358 C12H4Cl6 | 035694-06-5      | 99        |
| 3       | 2,2',3,4',6,6'-Hexachloro-1,1'-b... | 358 C12H4Cl6 | 068194-08-1      | 99        |
| 4       | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 C12H4Cl6 | 074472-41-6      | 99        |
| 5       | 1,1'-Biphenyl, 2,2',3,5,5',6-hex... | 358 C12H4Cl6 | 052663-63-5      | 99        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

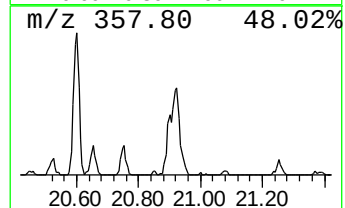
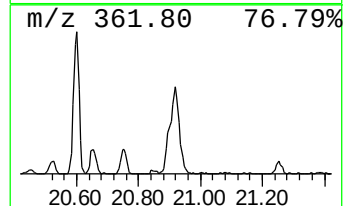
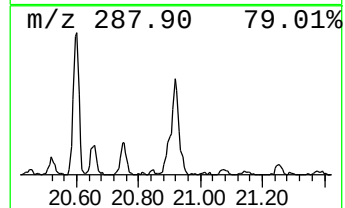
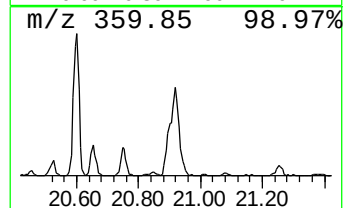
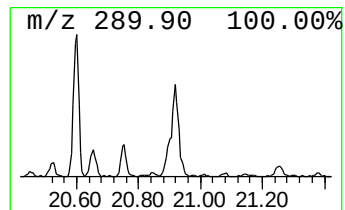
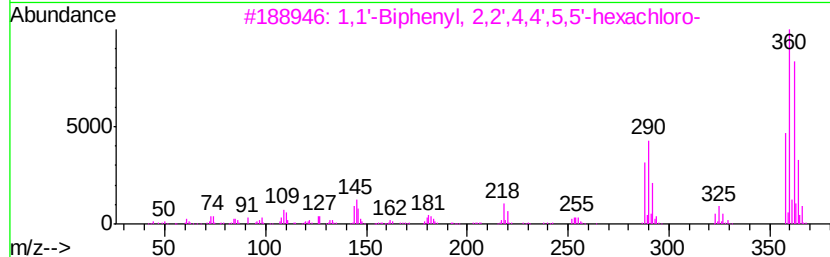
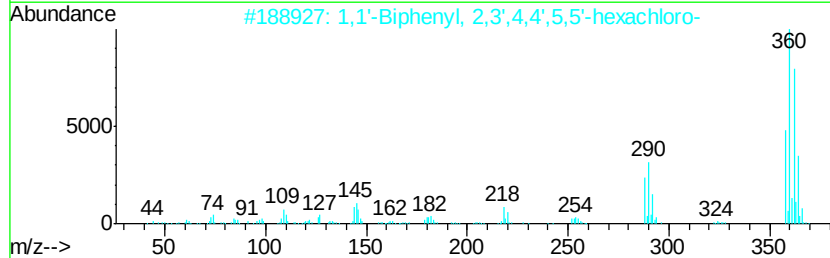
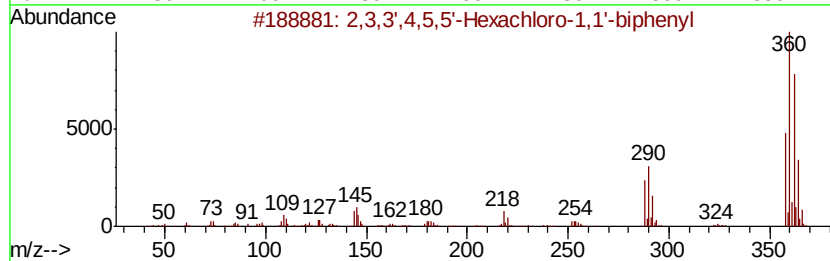
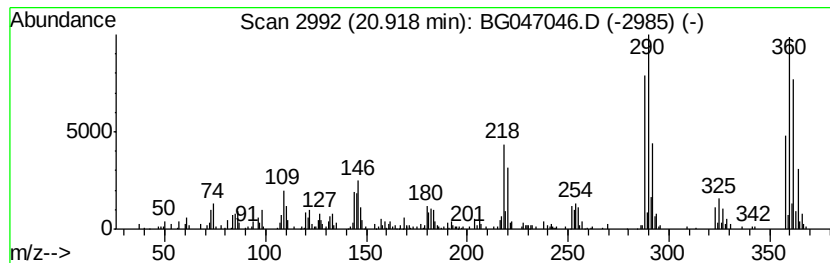
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 2,3,3',4,5,5'-Hexachloro-1,... Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 20.92 | 10.38 ng/ul | 434707 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 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    |    | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99   |
| 4    |    | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-63-6 | 99   |
| 5    |    | 2,3,3',4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-43-8 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

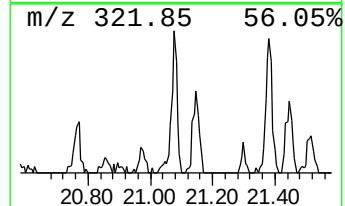
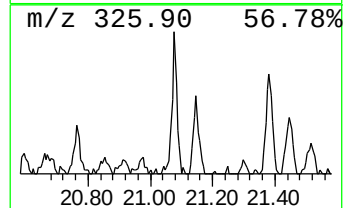
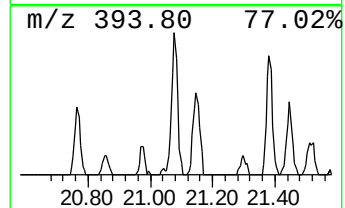
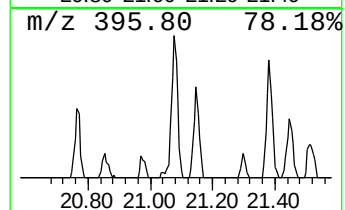
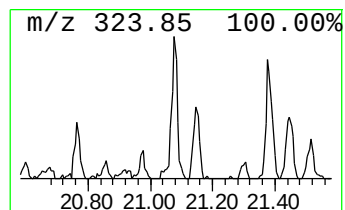
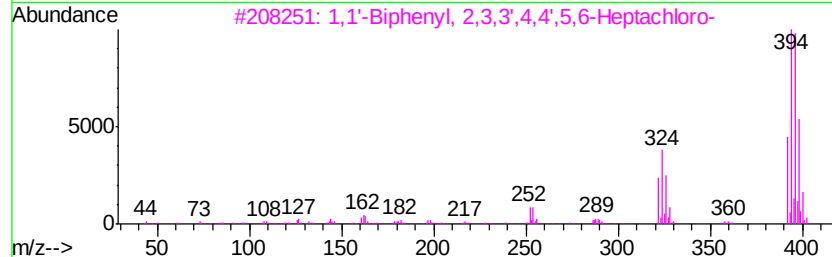
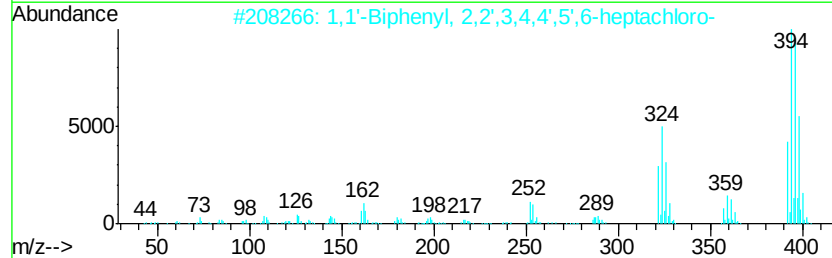
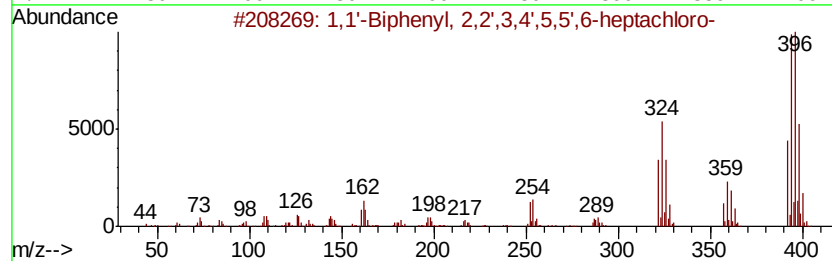
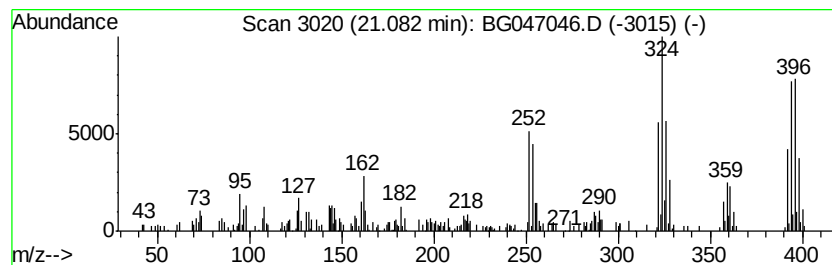
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BNA\_G  
ClientSampleId :  
C0AD6

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',3,4',5,... Concentration Rank 8

| R.T.    | EstConc        | Area                 | Relative to ISTD | R.T.     |             |      |
|---------|----------------|----------------------|------------------|----------|-------------|------|
| 21.08   | 4.02 ng/ul     | 168351               | 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 | 99   |
| 2       | 1,1'-Biphenyl, | 2,2',3,4,4',5',6-... | 392              | C12H3Cl7 | 052663-69-1 | 99   |
| 3       | 1,1'-Biphenyl, | 2,3,3',4,4',5,6-H... | 392              | C12H3Cl7 | 041411-64-7 | 99   |
| 4       | 1,1'-Biphenyl, | 2,2',3,3',4,4',6-... | 392              | C12H3Cl7 | 052663-71-5 | 99   |
| 5       | 1,1'-Biphenyl, | 2,2',3,3',4,4',5-... | 392              | C12H3Cl7 | 035065-30-6 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

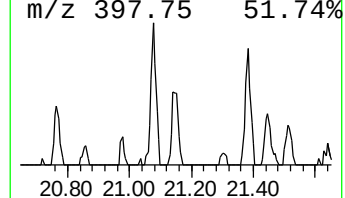
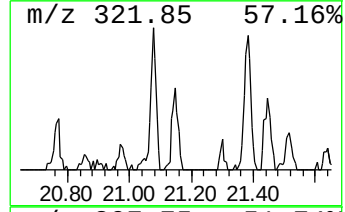
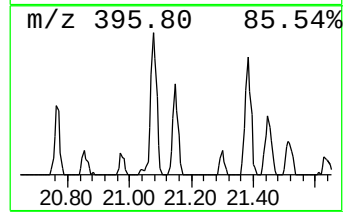
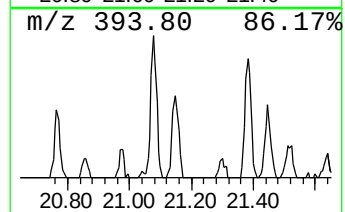
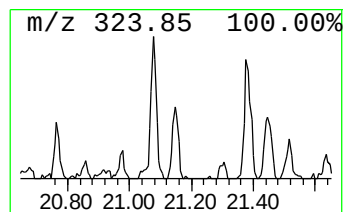
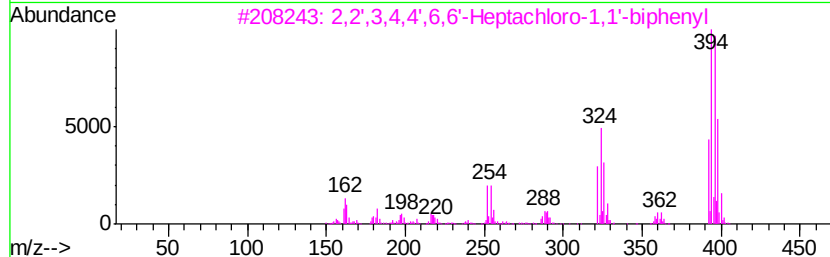
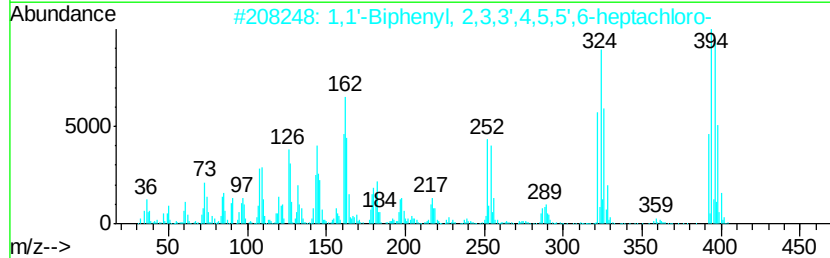
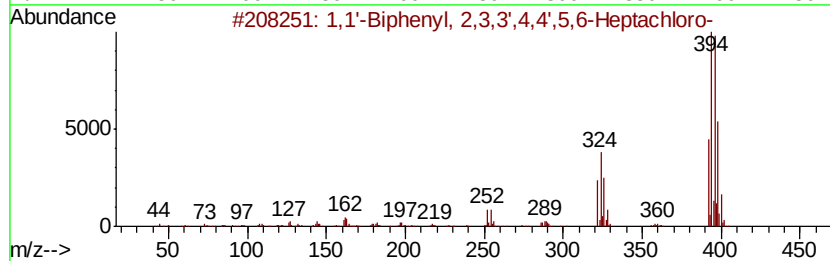
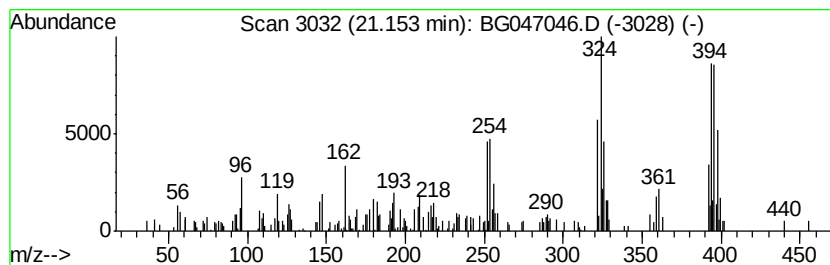
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ClientSampleId :  
C0AD6

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 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 14

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 21.15   | 2.24 ng/ul                          | 93843        | Chrysene-d12     | 21.70     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1,1'-Biphenyl, 2,3,3',4,4',5,6-H... | 392 C12H3Cl7 | 041411-64-7      | 96        |
| 2       | 1,1'-Biphenyl, 2,3,3',4,5,5',6-h... | 392 C12H3Cl7 | 074472-51-8      | 96        |
| 3       | 2,2',3,4,4',6,6'-Heptachloro-1,1... | 392 C12H3Cl7 | 074472-48-3      | 95        |
| 4       | 1,1'-Biphenyl, 2,2',3,4,5,6,6'-H... | 392 C12H3Cl7 | 074472-49-4      | 95        |
| 5       | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 C12H3Cl7 | 039635-31-9      | 94        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

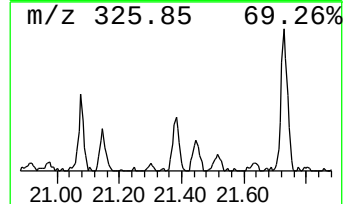
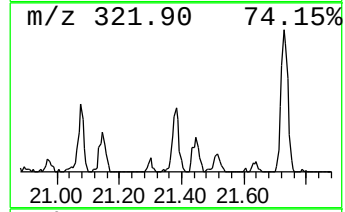
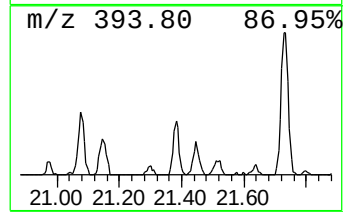
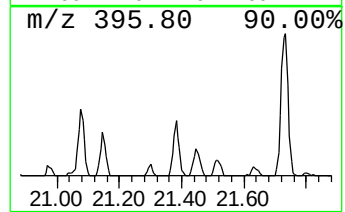
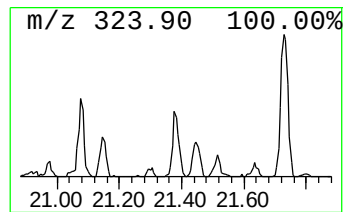
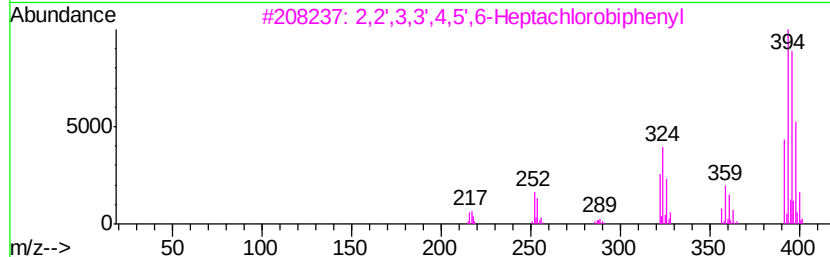
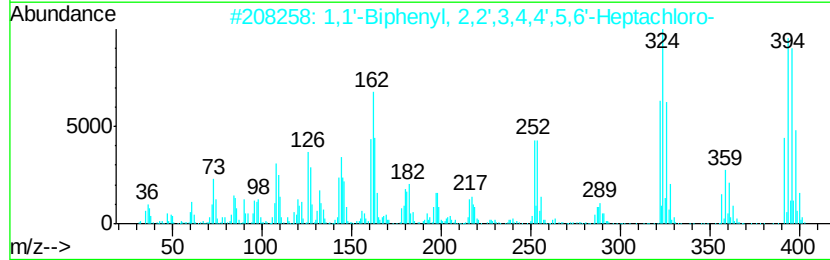
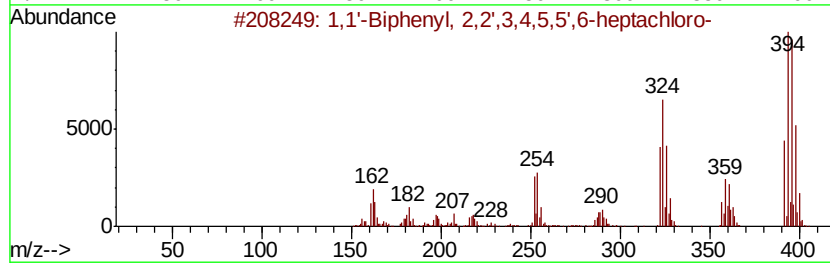
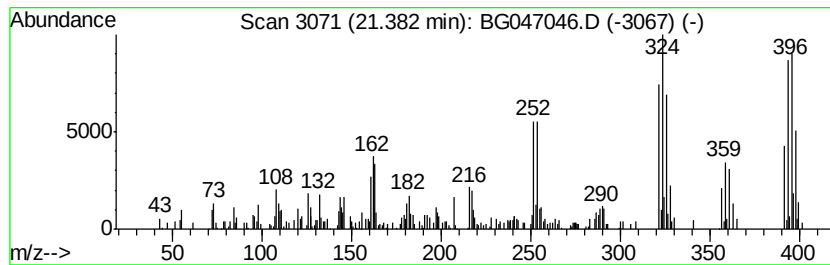
Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 9

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 21.38   | 3.80 ng/ul                          | 158979       | Chrysene-d12     | 21.70       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,1'-Biphenyl, 2,2',3,4,5,5',6-h... | 392          | C12H3Cl7         | 052712-05-7 | 96   |      |
| 2       | 1,1'-Biphenyl, 2,2',3,4,4',5,6'-... | 392          | C12H3Cl7         | 060145-23-5 | 96   |      |
| 3       | 2,2',3,3',4,5',6-Heptachlorobiph... | 392          | C12H3Cl7         | 040186-70-7 | 96   |      |
| 4       | 1,1'-Biphenyl, 2,3,3',4,4',5,6-H... | 392          | C12H3Cl7         | 041411-64-7 | 96   |      |
| 5       | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392          | C12H3Cl7         | 052663-71-5 | 96   |      |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

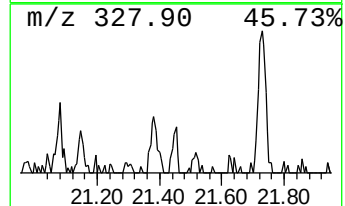
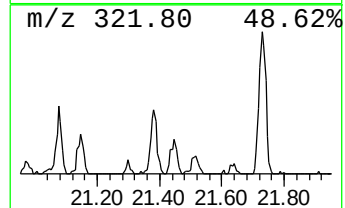
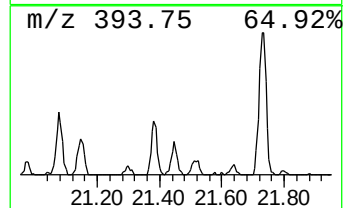
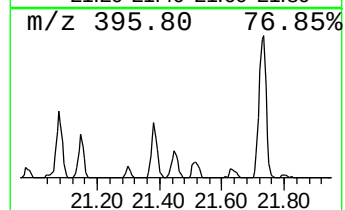
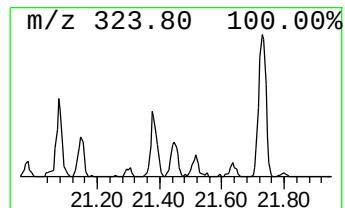
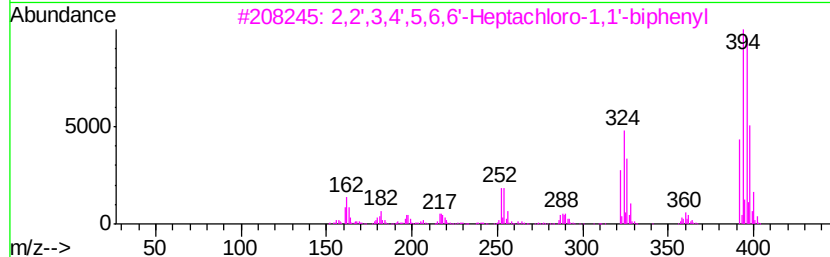
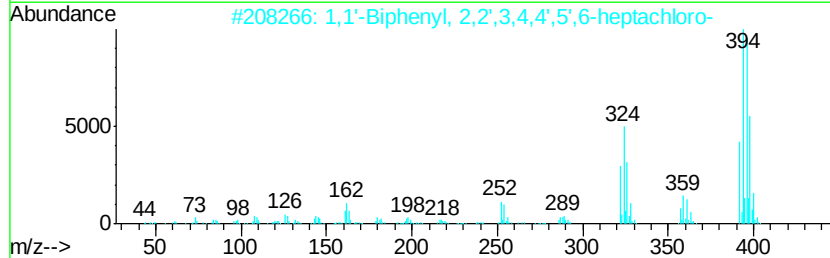
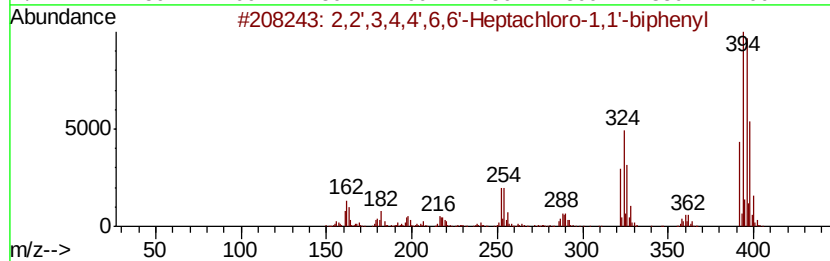
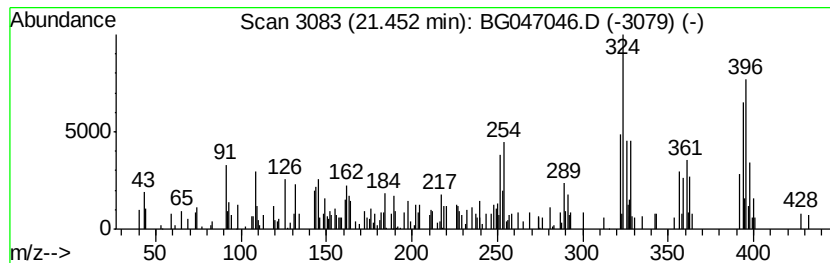
Instrument :  
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ClientSampleId :  
C0AD6

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 2,2',3,4,4',6,6'-Heptachlor... Concentration Rank 15

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 21.45   | 2.23 ng/ul                          | 93316        | Chrysene-d12     | 21.70       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 2,2',3,4,4',6,6'-Heptachloro-1,1... | 392          | C12H3Cl7         | 074472-48-3 | 96   |      |
| 2       | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392          | C12H3Cl7         | 052663-69-1 | 95   |      |
| 3       | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392          | C12H3Cl7         | 074487-85-7 | 95   |      |
| 4       | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392          | C12H3Cl7         | 074487-85-7 | 95   |      |
| 5       | 1,1'-Biphenyl, 2,3,3',4,4',5,6-H... | 392          | C12H3Cl7         | 041411-64-7 | 95   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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

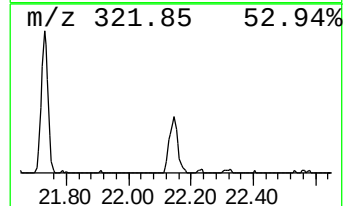
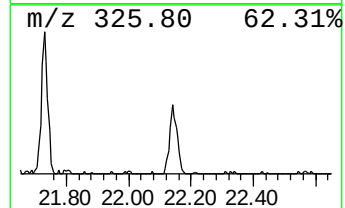
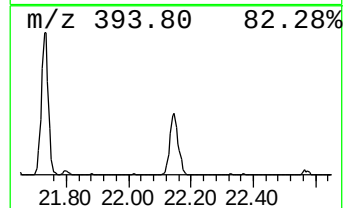
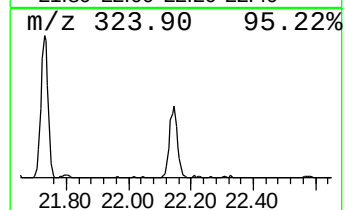
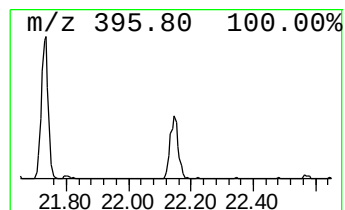
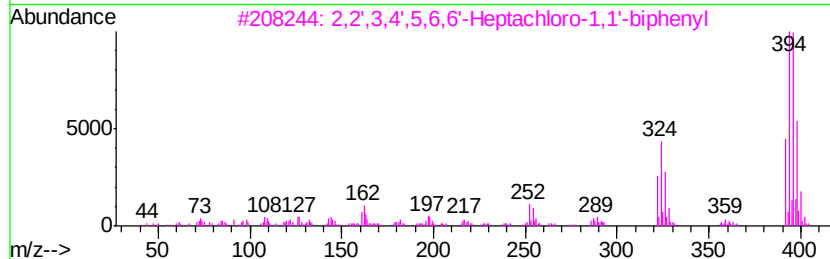
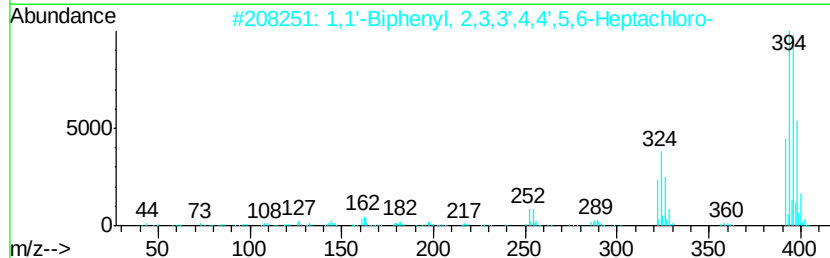
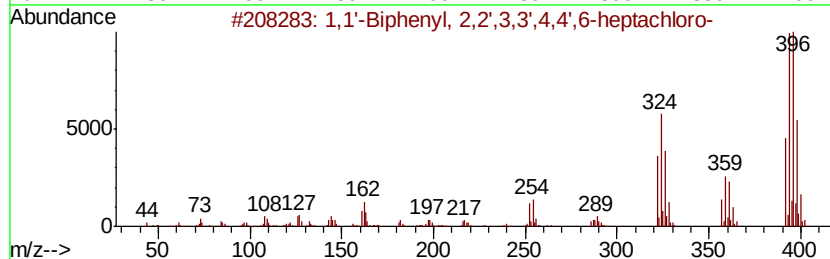
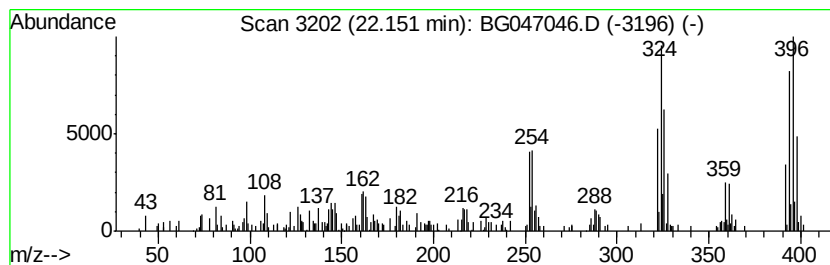
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.15 | 4.95 ng/ul | 207343 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3,3',4,4',5,6-H... | 392 | C12H3Cl7 | 041411-64-7 | 99   |
| 3    |    | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074487-85-7 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',3,4,5,6,6'-H... | 392 | C12H3Cl7 | 074472-49-4 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\  
Data File : BG047046.D  
Acq On : 23 Oct 2020 1:08  
Operator : CG/JU  
Sample : L4449-03  
Misc : GCMS CONFIRMATION  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AD6

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Quant Title : SVOA CALIBRATION

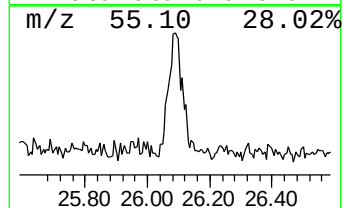
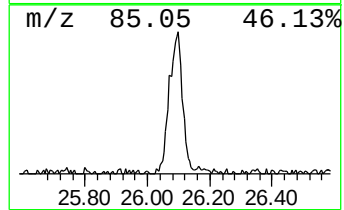
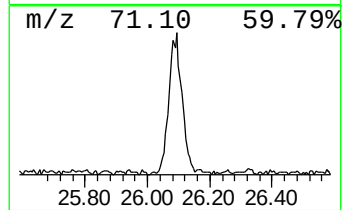
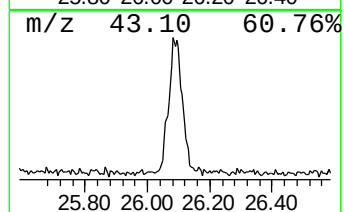
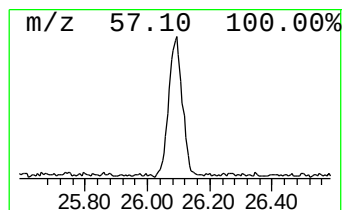
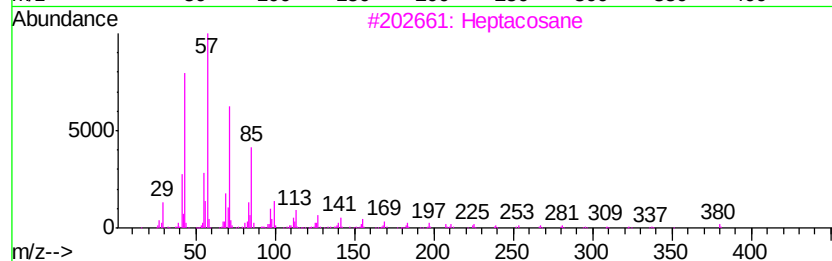
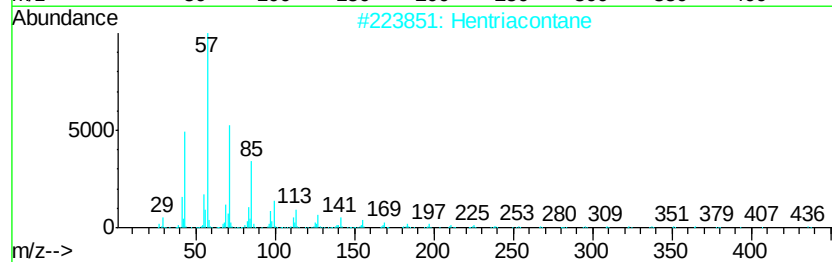
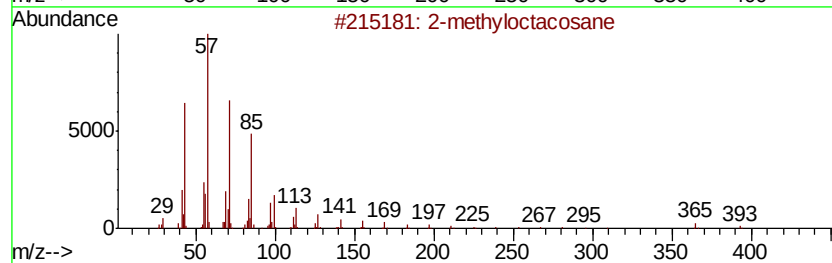
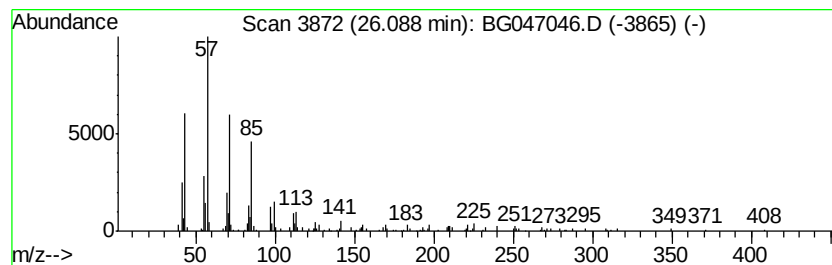
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.09 | 6.77 ng/ul | 288423 | Perylene-d12     | 24.93 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 90   |
| 2    |    | Hentriacontane         | 437 | C31H64  | 000630-04-6  | 90   |
| 3    |    | Heptacosane            | 380 | C27H56  | 000593-49-7  | 90   |
| 4    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4  | 90   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG102220\  
 Data File : BG047046.D  
 Acq On : 23 Oct 2020 1:08  
 Operator : CG/JU  
 Sample : L4449-03  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AD6

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 3.40  | 35.0    | ng/ul | 653690   | 1                     | 8.06  | 373891 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.34 | 3.6     | ng/ul | 130178   | 4                     | 17.43 | 718592 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.62 | 3.4     | ng/ul | 143360   | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.32 | 8.2     | ng/ul | 341301   | 5                     | 21.70 | 837738 | 20.0 |
| 2,3,3',4,5',6-Hex... | 20.59 | 10.7    | ng/ul | 446611   | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.65 | 3.0     | ng/ul | 125977   | 5                     | 21.70 | 837738 | 20.0 |
| 2,3,4,4',5,6-Hexa... | 20.75 | 4.2     | ng/ul | 177251   | 5                     | 21.70 | 837738 | 20.0 |
| 2,3,3',4,5,5'-Hex... | 20.92 | 10.4    | ng/ul | 434707   | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.08 | 4.0     | ng/ul | 168351   | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.15 | 2.2     | ng/ul | 93843    | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.38 | 3.8     | ng/ul | 158979   | 5                     | 21.70 | 837738 | 20.0 |
| 2,2',3,4,4',6,6'-... | 21.45 | 2.2     | ng/ul | 93316    | 5                     | 21.70 | 837738 | 20.0 |
| 1,1'-Biphenyl, 2,... | 22.15 | 5.0     | ng/ul | 207343   | 5                     | 21.70 | 837738 | 20.0 |
| (DEL) Alkane: Str... | 26.09 | 6.8     | ng/ul | 288423   | 6                     | 24.93 | 851746 | 20.0 |