

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
 Data File : BG041987.D  
 Acq On : 6 Aug 2019 4:59  
 Operator : HP/JU  
 Sample : K4023-01  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ETNK7

## 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-BG080319MA.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         | 3.351       | 41            | 45          | 50           | rVB      | 154547         | 174485        | 6.34%           | 0.648%        |
| 2         | 8.028       | 833           | 841         | 855          | rBV      | 470617         | 823685        | 29.95%          | 3.058%        |
| 3         | 10.860      | 1314          | 1323        | 1335         | rBV      | 595112         | 1111020       | 40.40%          | 4.124%        |
| 4         | 14.691      | 1966          | 1975        | 1988         | rBV      | 999428         | 1626212       | 59.13%          | 6.037%        |
| 5         | 16.971      | 2358          | 2363        | 2370         | rVB      | 67197          | 93711         | 3.41%           | 0.348%        |
| 6         | 17.317      | 2418          | 2422        | 2425         | rBV2     | 15810          | 19821         | 0.72%           | 0.074%        |
| 7         | 17.359      | 2425          | 2429        | 2436         | rVB      | 32025          | 44958         | 1.63%           | 0.167%        |
| 8         | 17.441      | 2436          | 2443        | 2456         | rBV2     | 1254019        | 2038780       | 74.13%          | 7.569%        |
| 9         | 17.623      | 2468          | 2474        | 2481         | rVB      | 204668         | 297983        | 10.83%          | 1.106%        |
| 10        | 17.928      | 2523          | 2526        | 2533         | rVB4     | 11130          | 16973         | 0.62%           | 0.063%        |
| 11        | 18.046      | 2539          | 2546        | 2555         | rBV      | 432955         | 680210        | 24.73%          | 2.525%        |
| 12        | 18.163      | 2560          | 2566        | 2572         | rVB2     | 158914         | 236990        | 8.62%           | 0.880%        |
| 13        | 18.240      | 2574          | 2579        | 2584         | rBV2     | 51838          | 70860         | 2.58%           | 0.263%        |
| 14        | 18.299      | 2584          | 2589        | 2593         | rVV      | 177773         | 253632        | 9.22%           | 0.942%        |
| 15        | 18.352      | 2593          | 2598        | 2607         | rVB      | 200399         | 280327        | 10.19%          | 1.041%        |
| 16        | 18.457      | 2609          | 2616        | 2620         | rBV      | 77254          | 104732        | 3.81%           | 0.389%        |
| 17        | 18.516      | 2620          | 2626        | 2631         | rVV      | 815663         | 1161768       | 42.24%          | 4.313%        |
| 18        | 18.575      | 2631          | 2636        | 2640         | rVV      | 666601         | 909493        | 33.07%          | 3.376%        |
| 19        | 18.616      | 2640          | 2643        | 2650         | rVB      | 382466         | 510597        | 18.56%          | 1.895%        |
| 20        | 18.798      | 2668          | 2674        | 2679         | rBV      | 846982         | 1230383       | 44.74%          | 4.568%        |
| 21        | 18.845      | 2679          | 2682        | 2687         | rVV      | 294678         | 385813        | 14.03%          | 1.432%        |
| 22        | 18.898      | 2687          | 2691        | 2694         | rVV      | 77966          | 111643        | 4.06%           | 0.414%        |
| 23        | 18.939      | 2694          | 2698        | 2700         | rVV      | 250742         | 352671        | 12.82%          | 1.309%        |
| 24        | 18.974      | 2700          | 2704        | 2711         | rVB      | 601928         | 789213        | 28.70%          | 2.930%        |
| 25        | 19.074      | 2716          | 2721        | 2728         | rVB      | 167789         | 239067        | 8.69%           | 0.887%        |
| 26        | 19.145      | 2729          | 2733        | 2741         | rVB2     | 23885          | 34304         | 1.25%           | 0.127%        |
| 27        | 19.221      | 2741          | 2746        | 2750         | rBV      | 44686          | 61867         | 2.25%           | 0.230%        |
| 28        | 19.280      | 2750          | 2756        | 2760         | rBV      | 451855         | 600035        | 21.82%          | 2.228%        |
| 29        | 19.327      | 2760          | 2764        | 2767         | rVV      | 298367         | 474084        | 17.24%          | 1.760%        |
| 30        | 19.368      | 2767          | 2771        | 2777         | rVV2     | 962805         | 1443071       | 52.47%          | 5.357%        |
| 31        | 19.438      | 2779          | 2783        | 2787         | rVV      | 87429          | 116859        | 4.25%           | 0.434%        |
| 32        | 19.497      | 2787          | 2793        | 2799         | rVB      | 51071          | 87585         | 3.18%           | 0.325%        |
| 33        | 19.579      | 2799          | 2807        | 2813         | rBV      | 485625         | 1066546       | 38.78%          | 3.959%        |
| 34        | 19.638      | 2813          | 2817        | 2823         | rVV      | 459423         | 648686        | 23.59%          | 2.408%        |

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 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 19.703 | 2823 | 2828 | 2833 | rVB  | 212157  | 274340  | 9.97%   | 1.018%  |
| 36 | 19.826 | 2845 | 2849 | 2852 | rBV3 | 37597   | 50311   | 1.83%   | 0.187%  |
| 37 | 19.897 | 2857 | 2861 | 2867 | rVV  | 170128  | 224773  | 8.17%   | 0.834%  |
| 38 | 19.973 | 2867 | 2874 | 2879 | rVV  | 216905  | 298014  | 10.84%  | 1.106%  |
| 39 | 20.026 | 2879 | 2883 | 2887 | rVV  | 125087  | 162651  | 5.91%   | 0.604%  |
| 40 | 20.079 | 2887 | 2892 | 2897 | rVV  | 392343  | 537011  | 19.53%  | 1.994%  |
| 41 | 20.126 | 2897 | 2900 | 2906 | rVB  | 88077   | 107951  | 3.93%   | 0.401%  |
| 42 | 20.226 | 2910 | 2917 | 2926 | rBV3 | 100243  | 166022  | 6.04%   | 0.616%  |
| 43 | 20.290 | 2926 | 2928 | 2931 | rBV3 | 14348   | 16570   | 0.60%   | 0.062%  |
| 44 | 20.343 | 2931 | 2937 | 2941 | rVV4 | 87249   | 147150  | 5.35%   | 0.546%  |
| 45 | 20.390 | 2941 | 2945 | 2951 | rVB  | 331693  | 429458  | 15.61%  | 1.594%  |
| 46 | 20.537 | 2965 | 2970 | 2976 | rVB5 | 29797   | 53946   | 1.96%   | 0.200%  |
| 47 | 20.619 | 2979 | 2984 | 2988 | rBV2 | 79412   | 99637   | 3.62%   | 0.370%  |
| 48 | 20.696 | 2989 | 2997 | 3006 | rVV  | 215490  | 348101  | 12.66%  | 1.292%  |
| 49 | 20.772 | 3007 | 3010 | 3019 | rVB7 | 22672   | 37387   | 1.36%   | 0.139%  |
| 50 | 20.943 | 3031 | 3039 | 3046 | rBV  | 82338   | 164804  | 5.99%   | 0.612%  |
| 51 | 21.031 | 3051 | 3054 | 3058 | rVB6 | 12182   | 16767   | 0.61%   | 0.062%  |
| 52 | 21.101 | 3060 | 3066 | 3070 | rBV8 | 20152   | 30311   | 1.10%   | 0.113%  |
| 53 | 21.178 | 3076 | 3079 | 3082 | rVB5 | 13476   | 16458   | 0.60%   | 0.061%  |
| 54 | 21.283 | 3092 | 3097 | 3100 | rBV5 | 25672   | 37604   | 1.37%   | 0.140%  |
| 55 | 21.407 | 3116 | 3118 | 3122 | rVB4 | 14856   | 18425   | 0.67%   | 0.068%  |
| 56 | 21.477 | 3126 | 3130 | 3135 | rVB8 | 16873   | 23379   | 0.85%   | 0.087%  |
| 57 | 21.577 | 3144 | 3147 | 3152 | rVB6 | 17233   | 22025   | 0.80%   | 0.082%  |
| 58 | 21.730 | 3165 | 3173 | 3187 | rBV  | 1482608 | 2660070 | 96.72%  | 9.875%  |
| 59 | 22.176 | 3246 | 3249 | 3255 | rBV7 | 14623   | 25970   | 0.94%   | 0.096%  |
| 60 | 22.552 | 3310 | 3313 | 3318 | rVB4 | 14695   | 23828   | 0.87%   | 0.088%  |
| 61 | 23.269 | 3430 | 3435 | 3439 | rBV5 | 21068   | 36548   | 1.33%   | 0.136%  |
| 62 | 24.092 | 3570 | 3575 | 3585 | rVB3 | 25158   | 59593   | 2.17%   | 0.221%  |
| 63 | 25.003 | 3718 | 3730 | 3750 | rVB  | 926236  | 2750331 | 100.00% | 10.210% |

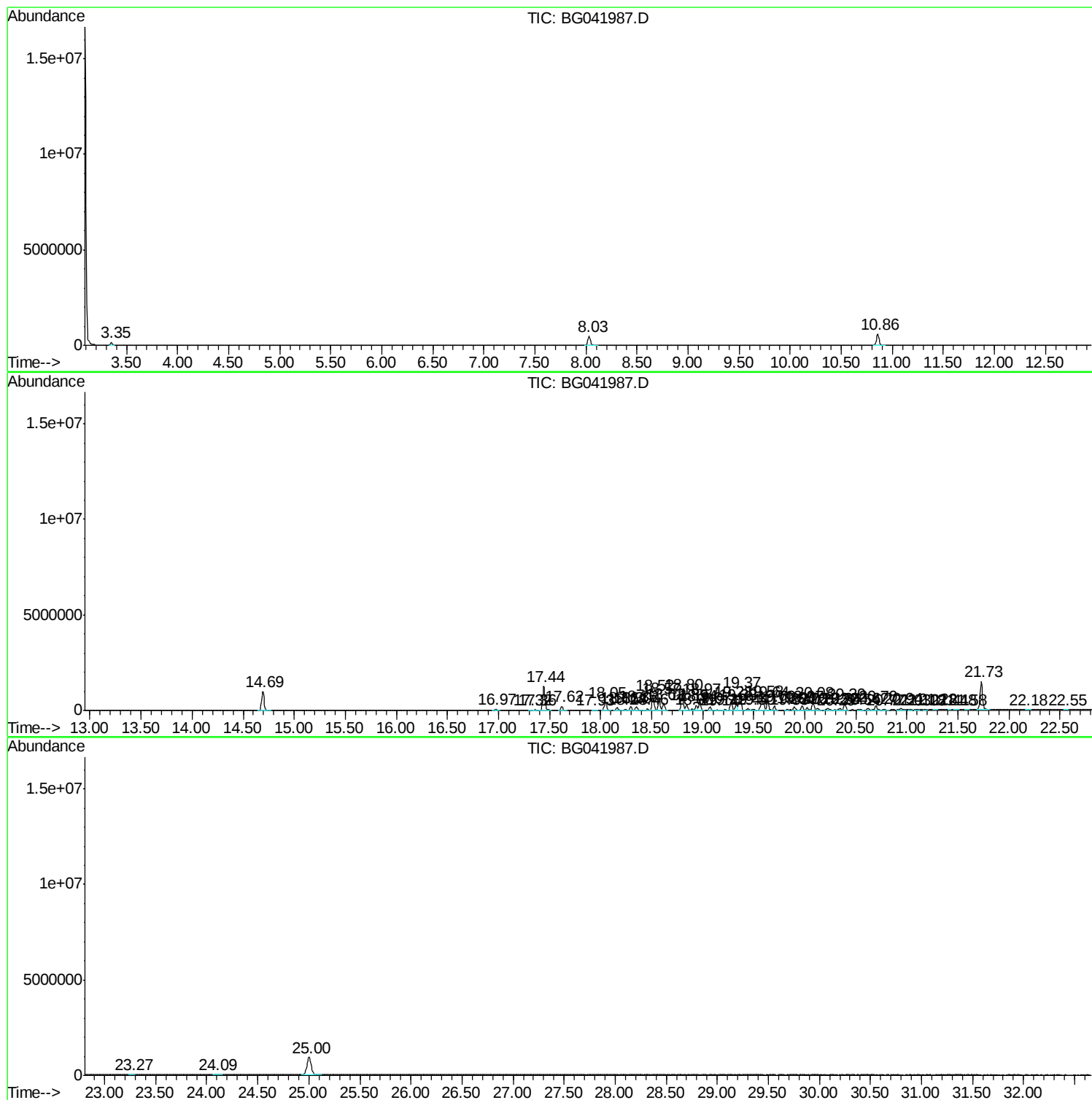
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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-BG080319MA.M  
Quant Title : SVOA CALIBRATION

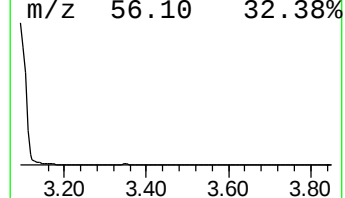
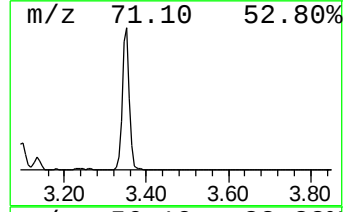
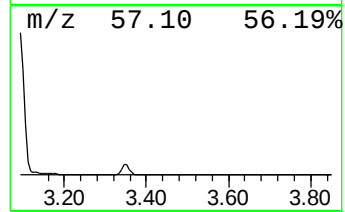
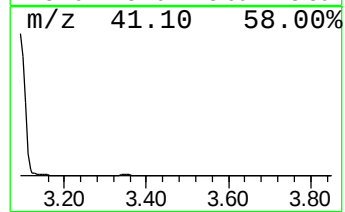
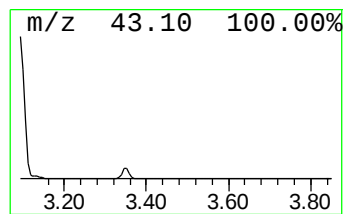
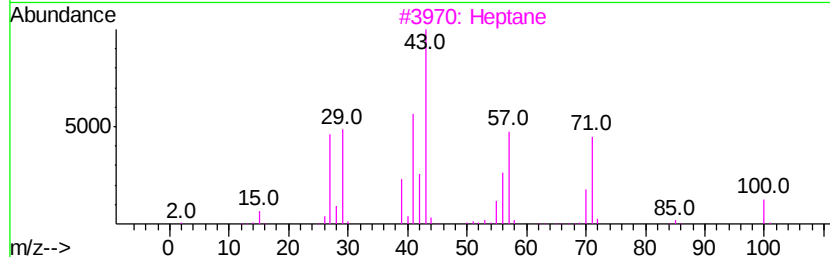
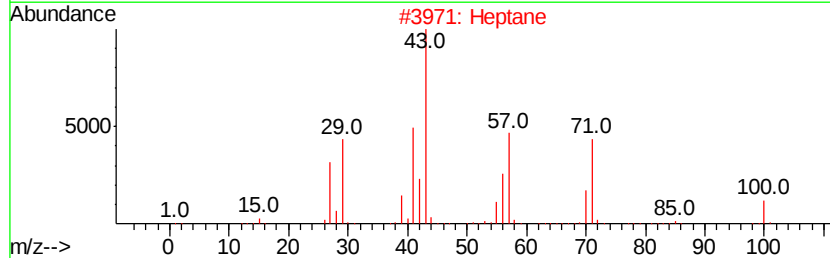
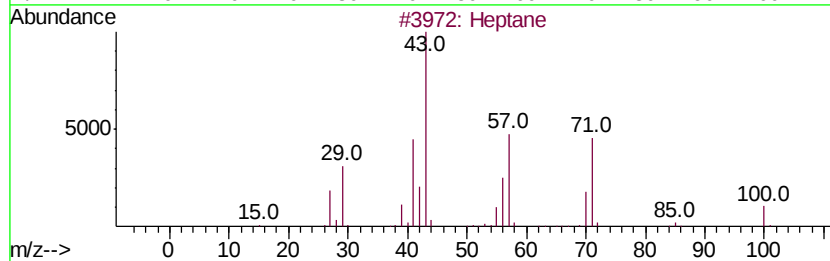
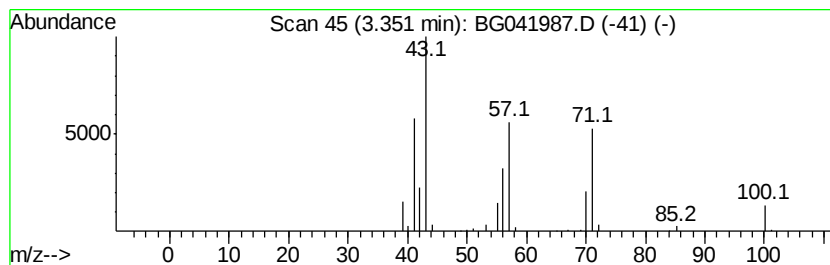
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.35 | 4.24 ng/ul | 174485 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 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  | 91   |
| 5    |    | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 45   |



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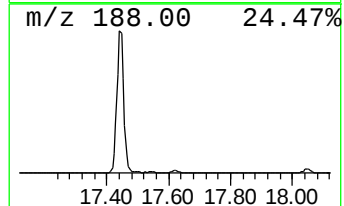
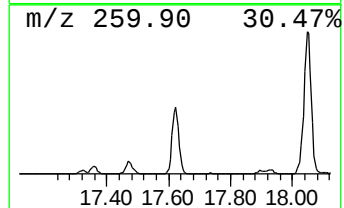
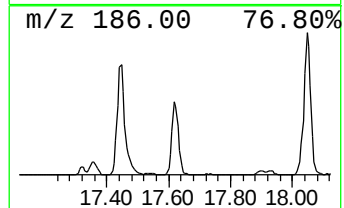
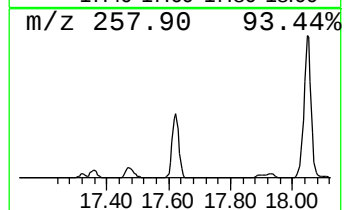
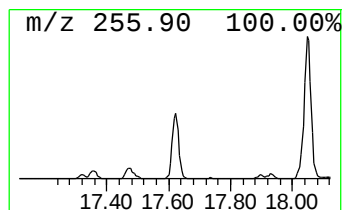
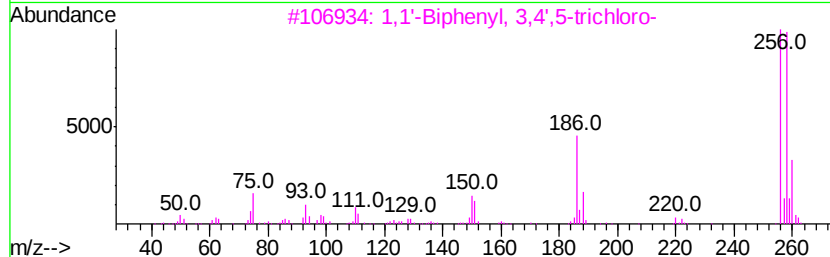
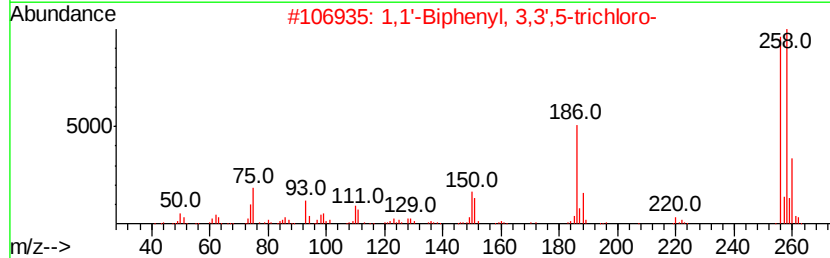
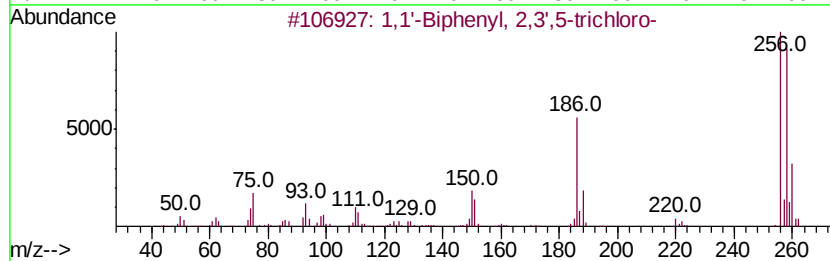
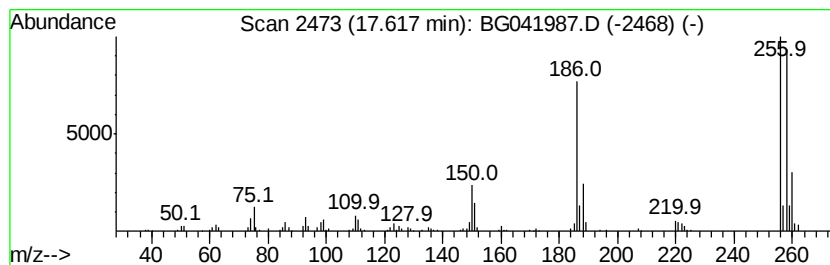
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 17

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|--------|------------------|-------------|------|
| 17.62     | 2.92 ng/ul                       | 297983 | Phenanthrene-d10 | 17.44       |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,3',5-trichloro- | 256    | C12H7Cl3         | 038444-81-4 | 99   |
| 2         | 1,1'-Biphenyl, 3,3',5-trichloro- | 256    | C12H7Cl3         | 038444-87-0 | 99   |
| 3         | 1,1'-Biphenyl, 3,4',5-trichloro- | 256    | C12H7Cl3         | 038444-88-1 | 99   |
| 4         | 1,1'-Biphenyl, 2',3,5-trichloro- | 256    | C12H7Cl3         | 037680-68-5 | 99   |
| 5         | 1,1'-Biphenyl, 2',3,4-trichloro- | 256    | C12H7Cl3         | 038444-86-9 | 99   |



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Quant Title : SVOA CALIBRATION

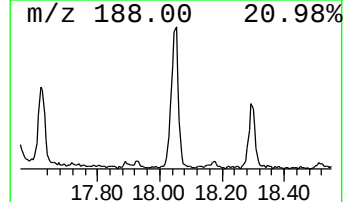
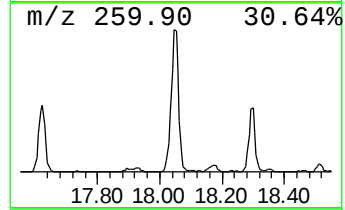
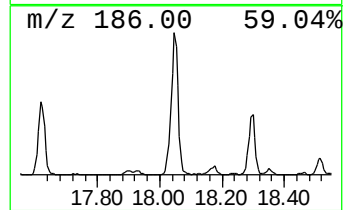
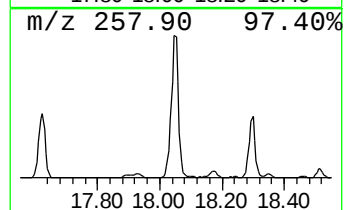
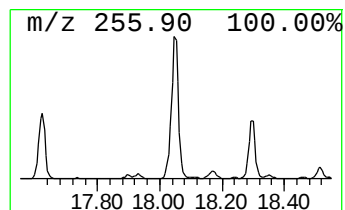
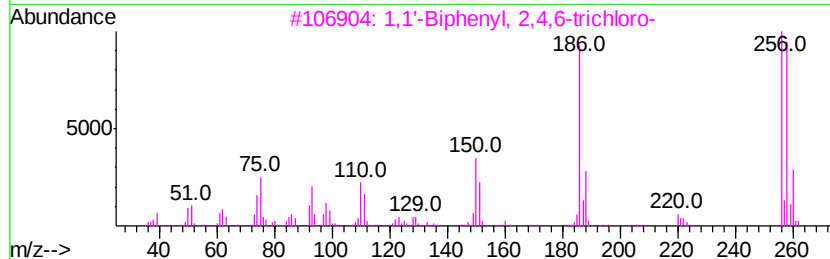
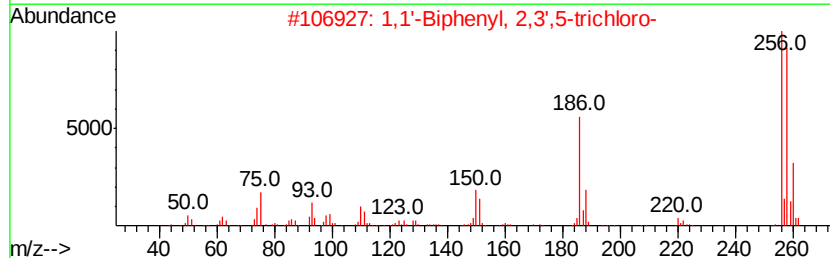
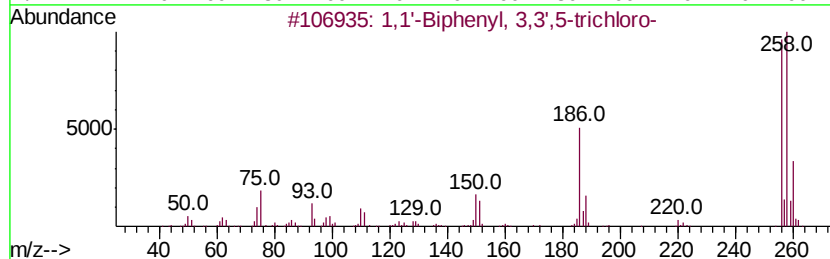
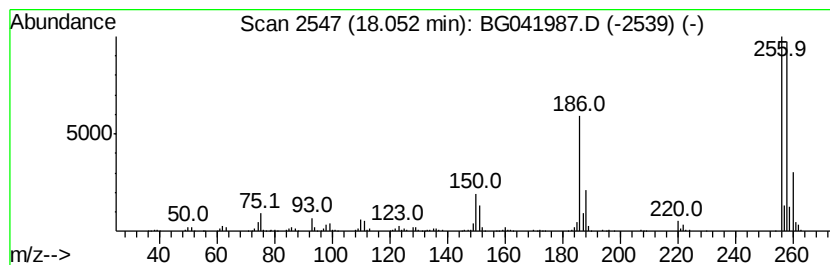
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.05 | 6.67 ng/ul | 680210 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3 | 038444-87-0 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3 | 038444-81-4 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,4,6-trichloro-  | 256 | C12H7Cl3 | 035693-92-6 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3 | 038444-85-8 | 99   |



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Quant Title : SVOA CALIBRATION

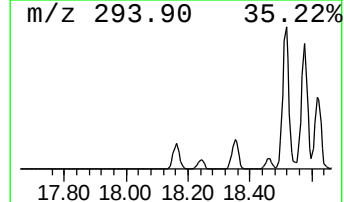
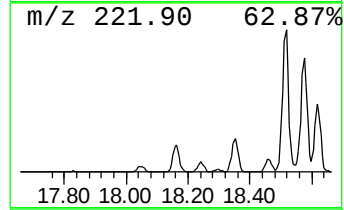
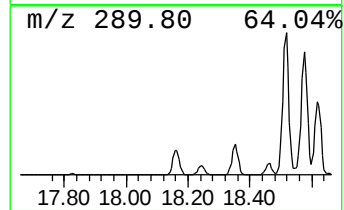
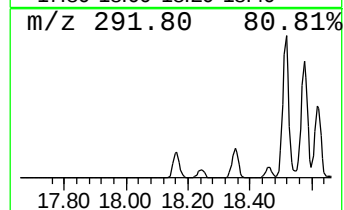
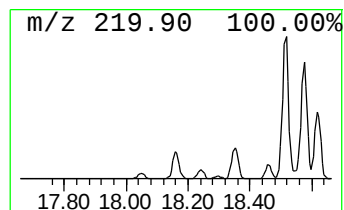
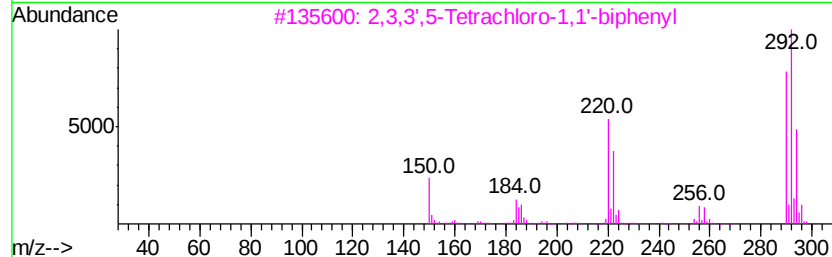
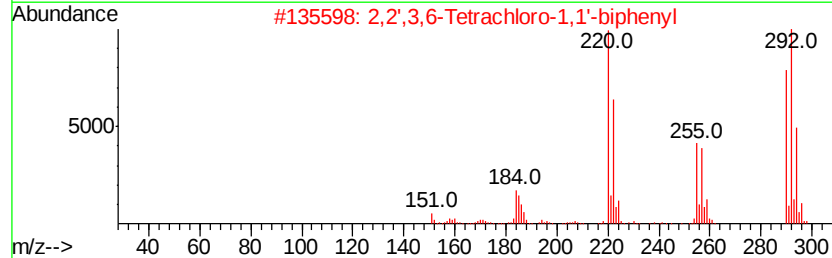
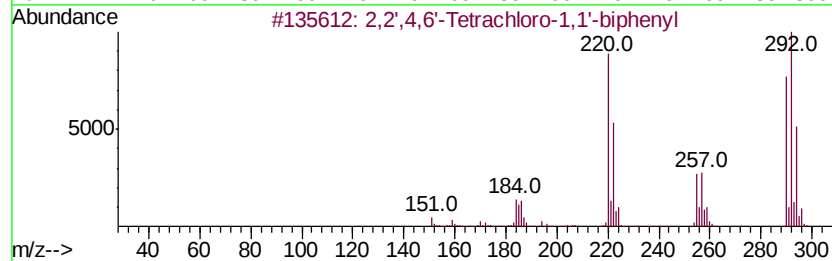
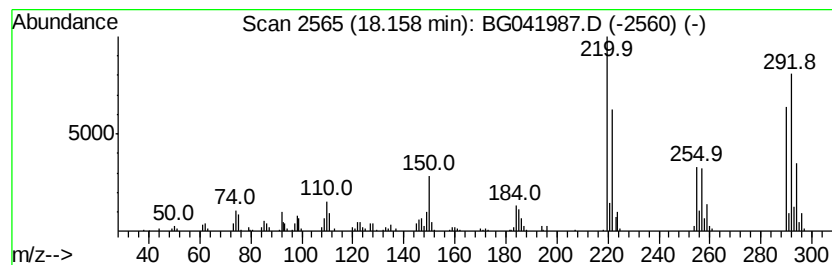
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 22

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.16 | 2.32 ng/ul | 236990 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,2',4,6'-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 068194-04-7 | 99   |
| 2    |    | 2,2',3,6'-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 070362-45-7 | 99   |
| 3    |    | 2,3,3',5'-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 070424-67-8 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',4,6'-Tetrachl... | 290 | C12H6Cl4 | 062796-65-0 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,2',3,5'-tetrach...  | 290 | C12H6Cl4 | 041464-39-5 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

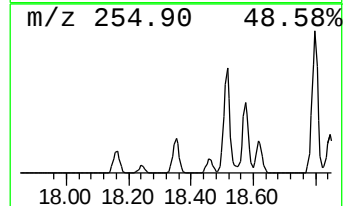
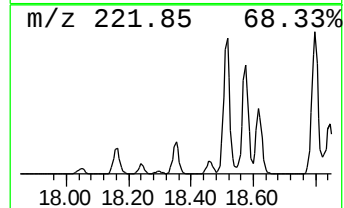
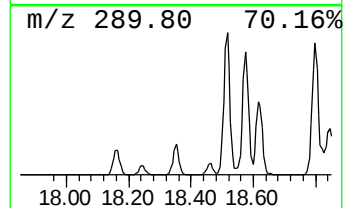
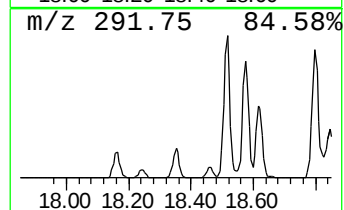
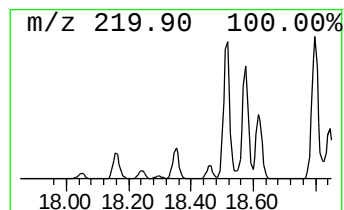
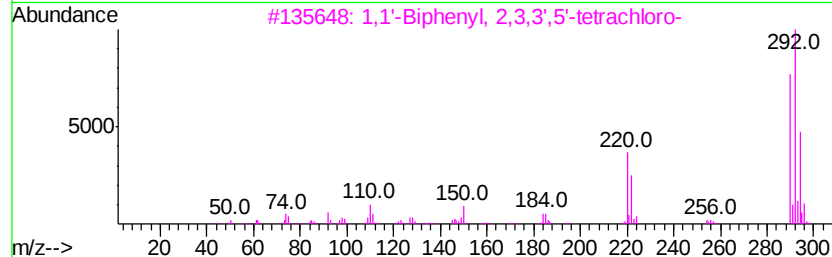
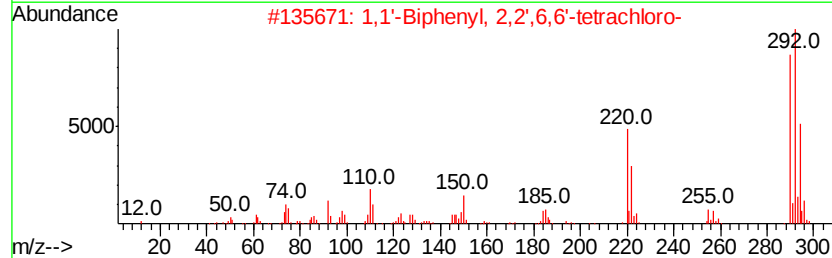
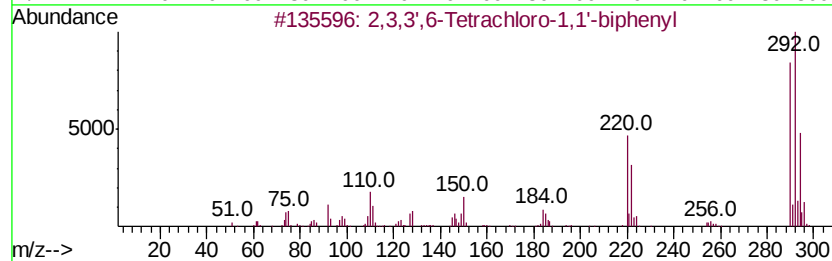
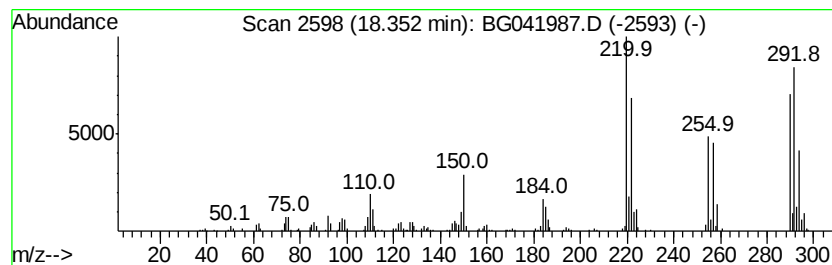
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 18

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.35 | 2.75 ng/ul | 280327 | Phenanthrene-d10 | 17.44 |

| Hit# | of                                    | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,3,3',6-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 074472-33-6 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',6,6'-tetrachloro- | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3,3',5'-tetrachloro- | 290 | C12H6Cl4     | 041464-49-7 | 99      |      |      |
| 4    | Biphenyl, 2,4,4',5-tetrachloro-       | 290 | C12H6Cl4     | 032690-93-0 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

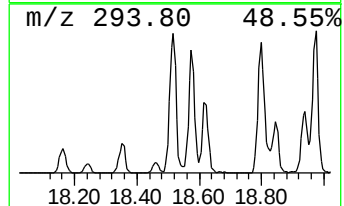
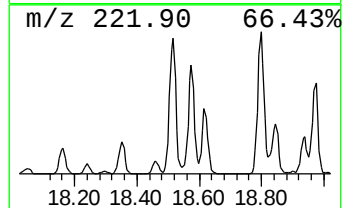
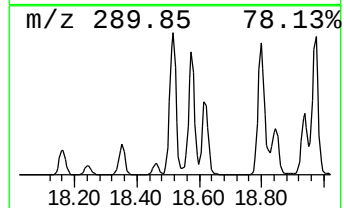
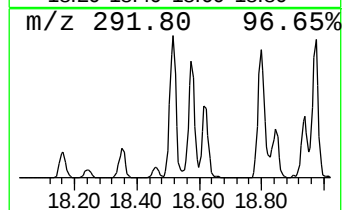
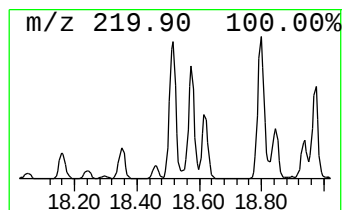
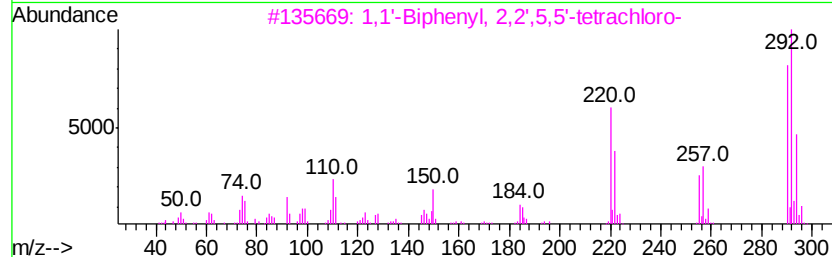
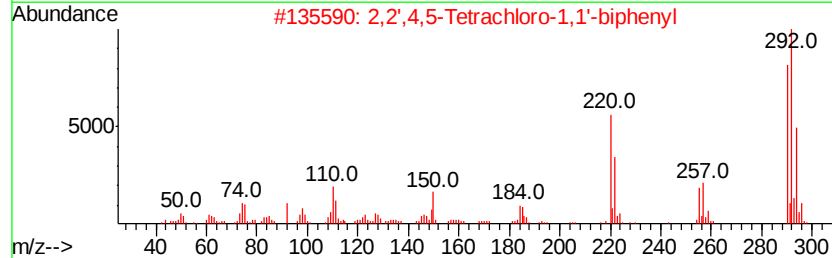
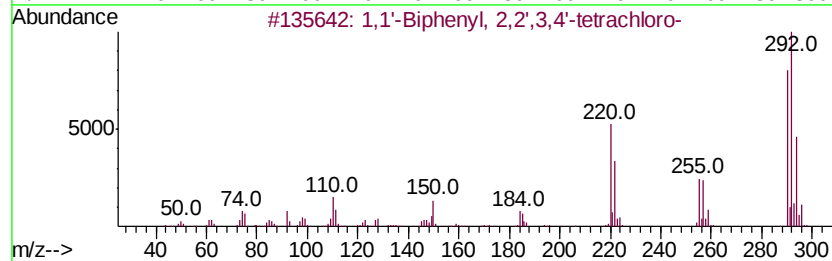
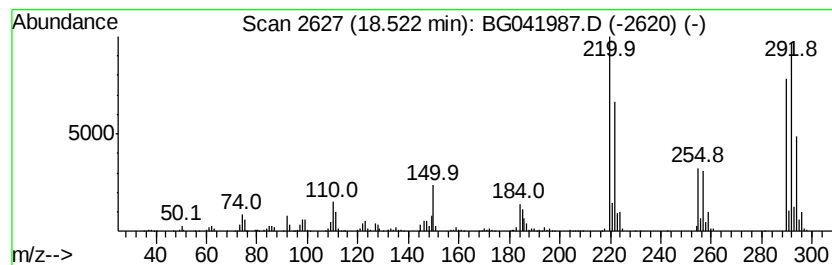
Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 7 1,1'-Biphenyl, 2,2',3,4'-te... Concentration Rank 3

| R.T.    | EstConc     | Area                            | Relative to ISTD | R.T.     |             |      |
|---------|-------------|---------------------------------|------------------|----------|-------------|------|
| 18.52   | 11.40 ng/ul | 1161770                         | Phenanthrene-d10 | 17.44    |             |      |
| Hit# of | 5           | Tentative ID                    | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'        | -Biphenyl, 2,2',3,4'-tetrach... | 290              | C12H6Cl4 | 036559-22-5 | 99   |
| 2       | 2,2'        | ,4,5-Tetrachloro-1,1'-biphenyl  | 290              | C12H6Cl4 | 070362-47-9 | 99   |
| 3       | 1,1'        | -Biphenyl, 2,2',5,5'-tetrach... | 290              | C12H6Cl4 | 035693-99-3 | 99   |
| 4       | 2,2'        | ,4,5-Tetrachloro-1,1'-biphenyl  | 290              | C12H6Cl4 | 070362-47-9 | 99   |
| 5       | 1,1'        | -Biphenyl, 2,2',6,6'-tetrach... | 290              | C12H6Cl4 | 015968-05-5 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

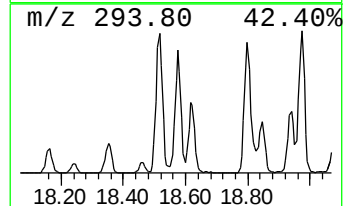
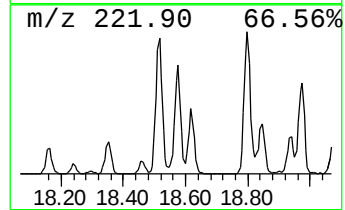
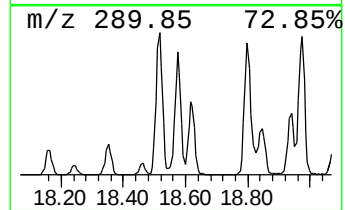
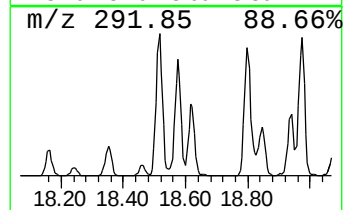
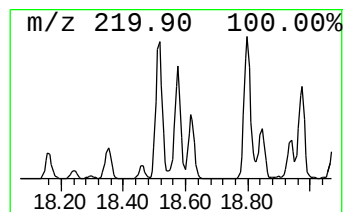
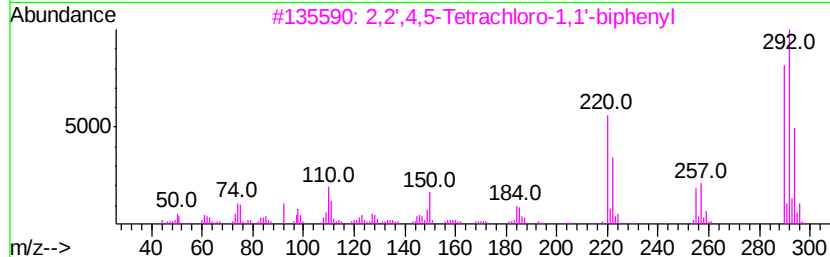
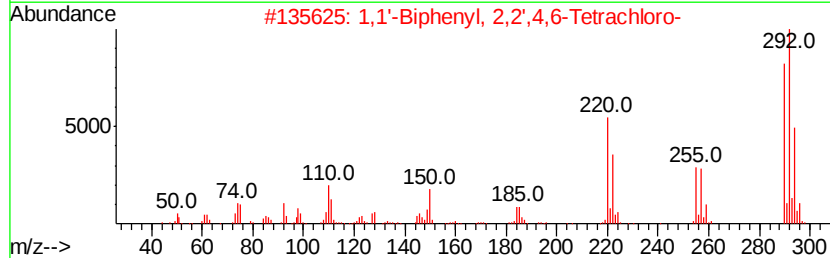
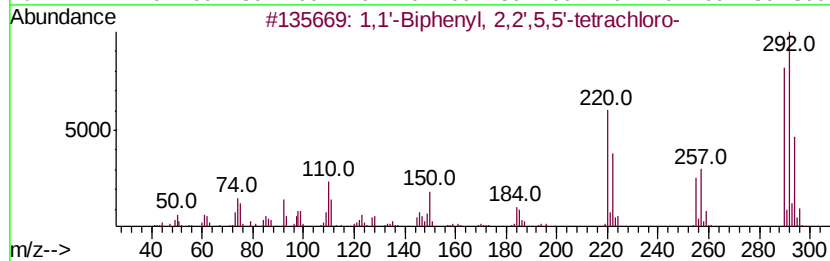
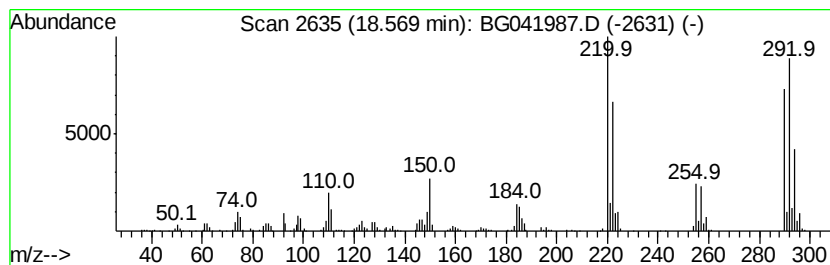
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.57 | 8.92 ng/ul | 909493 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',4,6-Tetrachl... | 290 | C12H6Cl4 | 062796-65-0 | 99   |
| 3    |    | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 070362-47-9 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99   |
| 5    |    | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 070362-47-9 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

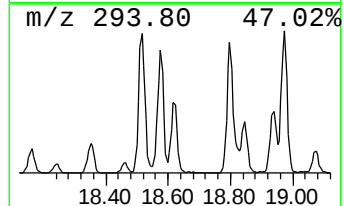
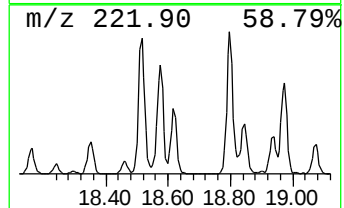
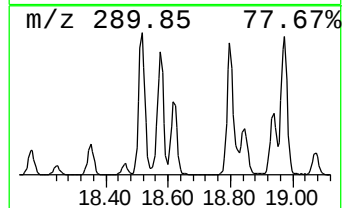
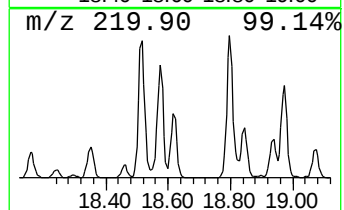
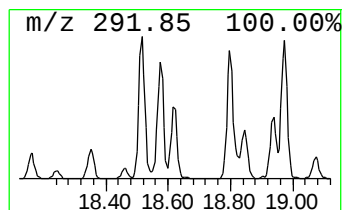
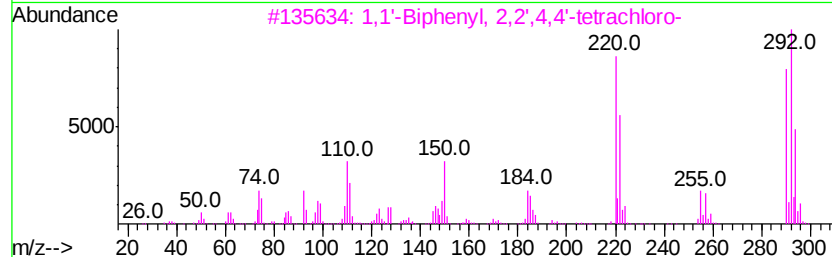
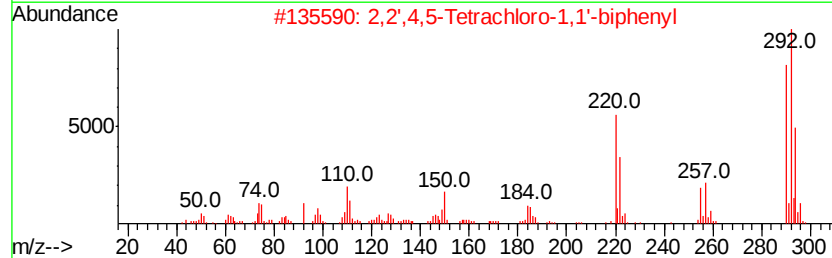
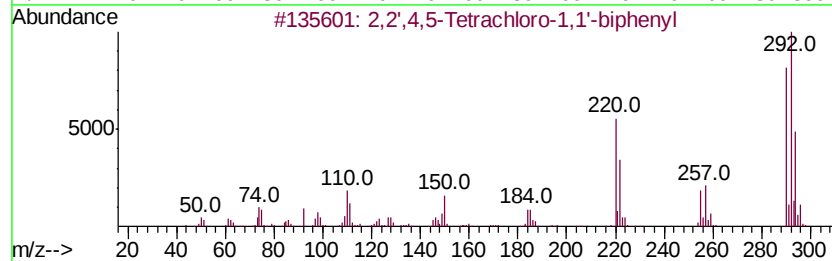
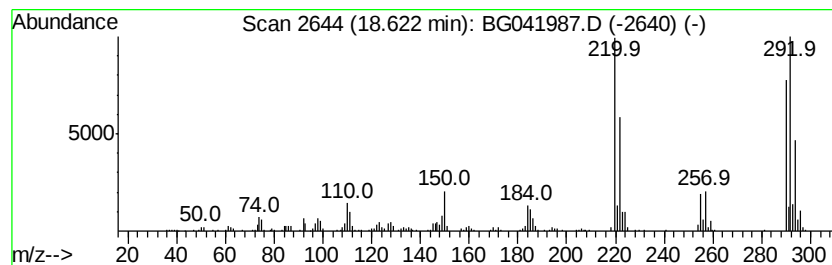
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.62 | 5.01 ng/ul | 510597 | Phenanthrene-d10 | 17.44 |

| Hit# | of                                    | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,2',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 2    | 2,2',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |
| 4    | Biphenyl, 2,4,4',5-tetrachloro-       | 290 | C12H6Cl4     | 032690-93-0 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',6,6'-tetrachloro- | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

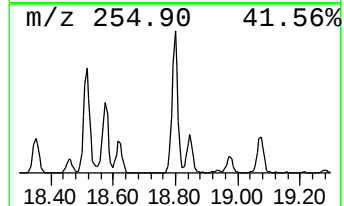
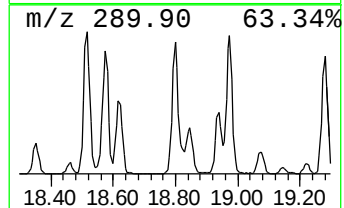
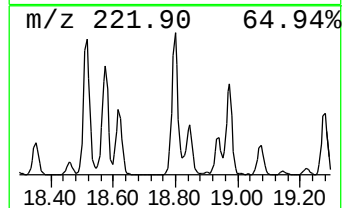
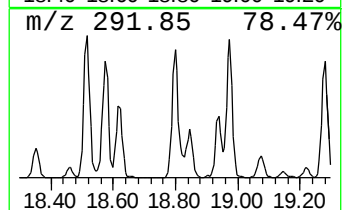
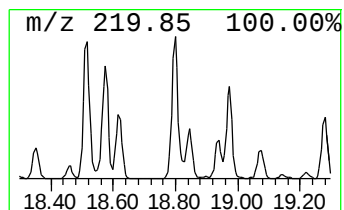
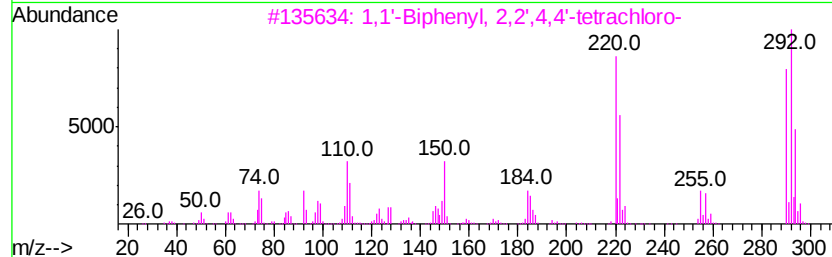
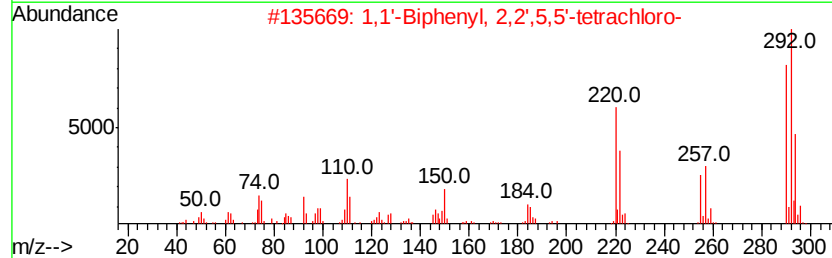
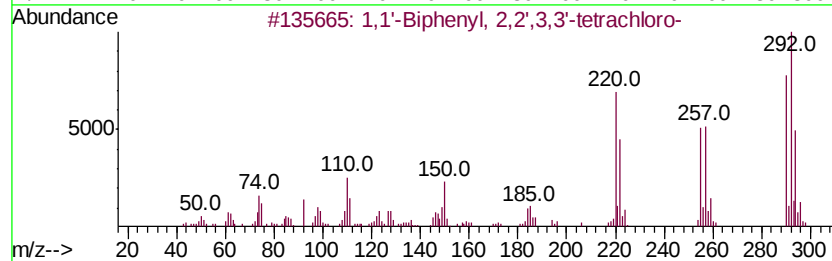
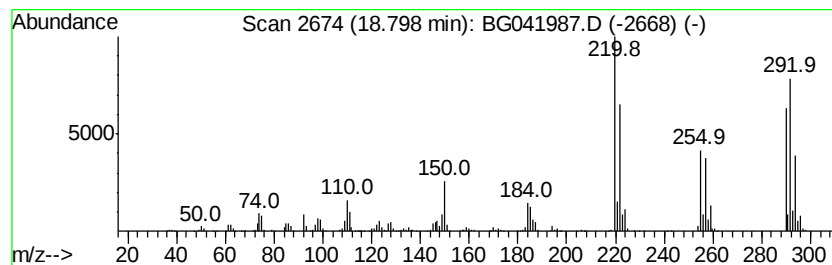
Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 2

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.        |      |      |
|---------|--------------------------------------|--------------|------------------|-------------|------|------|
| 18.80   | 12.07 ng/ul                          | 1230380      | Phenanthrene-d10 | 17.44       |      |      |
| Hit# of | 5                                    | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,1'-Biphenyl, 2,2',3,3'-tetrachl... | 290          | C12H6Cl4         | 038444-93-8 | 99   |      |
| 2       | 1,1'-Biphenyl, 2,2',5,5'-tetrachl... | 290          | C12H6Cl4         | 035693-99-3 | 99   |      |
| 3       | 1,1'-Biphenyl, 2,2',4,4'-tetrachl... | 290          | C12H6Cl4         | 002437-79-8 | 99   |      |
| 4       | 1,1'-Biphenyl, 2,2',3,4-tetrachl...  | 290          | C12H6Cl4         | 052663-59-9 | 99   |      |
| 5       | 1,1'-Biphenyl, 2,2',4,6-Tetrachl...  | 290          | C12H6Cl4         | 062796-65-0 | 99   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
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Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

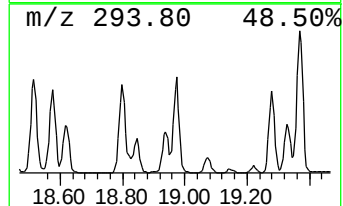
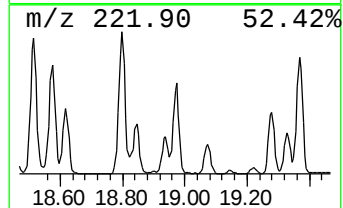
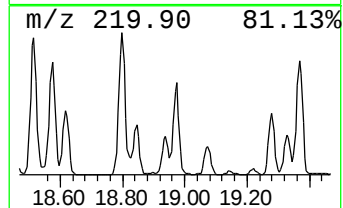
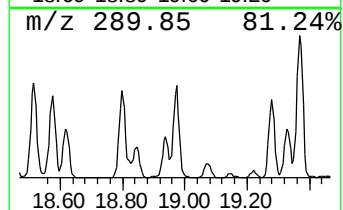
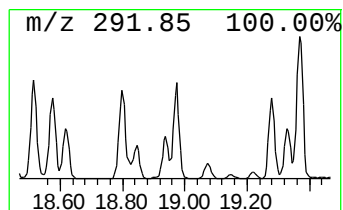
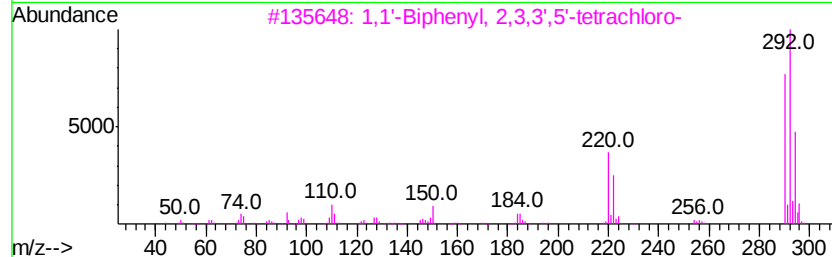
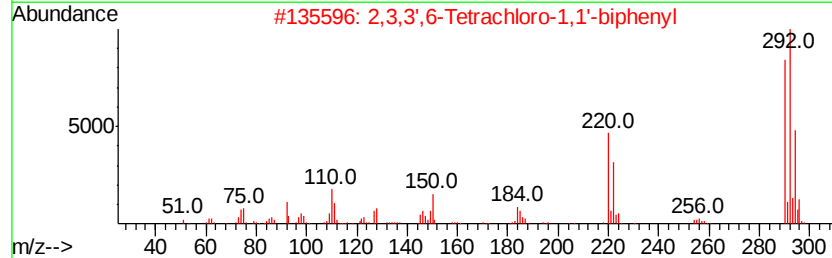
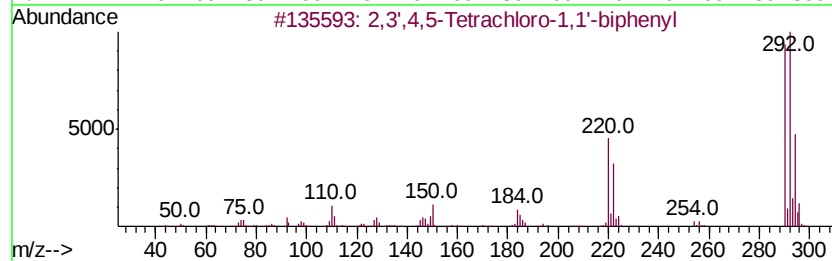
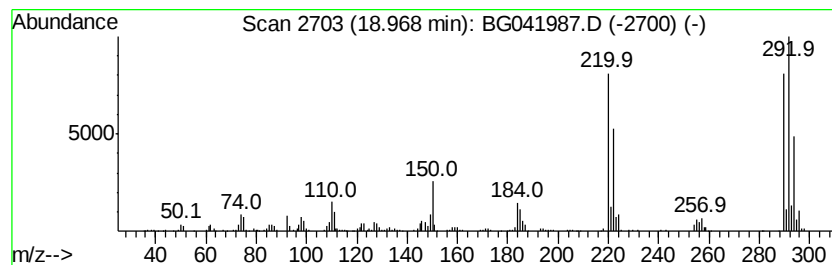
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.97 | 7.74 ng/ul | 789213 | Phenanthrene-d10 | 17.44 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,3',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4 | 073575-53-8 | 99   |
| 2    |    |   | 2,3,3',6-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4 | 074472-33-6 | 99   |
| 3    |    |   | 1,1'-Biphenyl, 2,3,3',5'-tetrachloro- | 290 | C12H6Cl4 | 041464-49-7 | 99   |
| 4    |    |   | 3,3',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4 | 070362-49-1 | 99   |
| 5    |    |   | Biphenyl, 2,4,4',5-tetrachloro-       | 290 | C12H6Cl4 | 032690-93-0 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

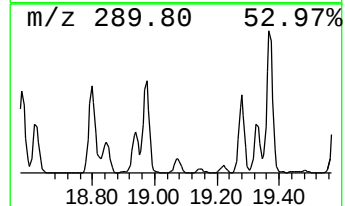
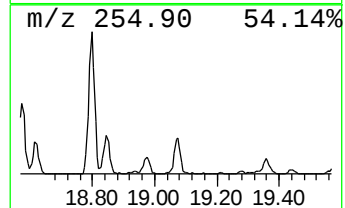
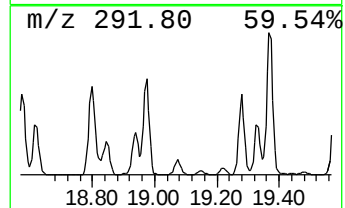
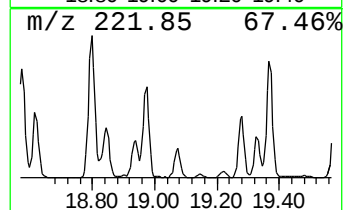
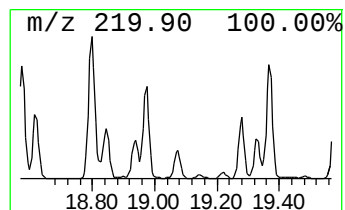
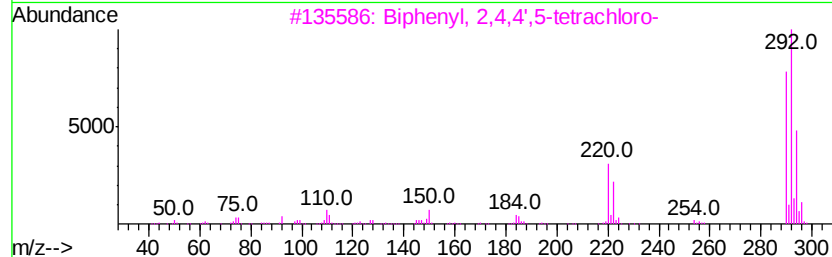
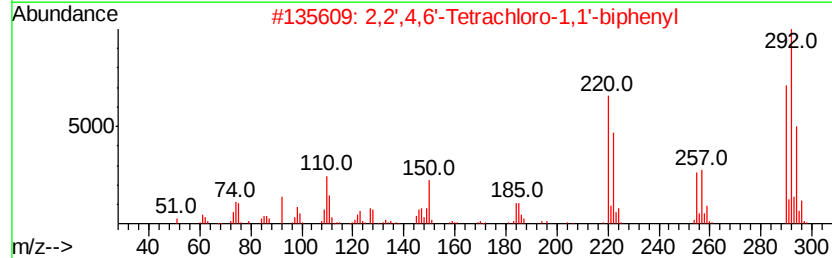
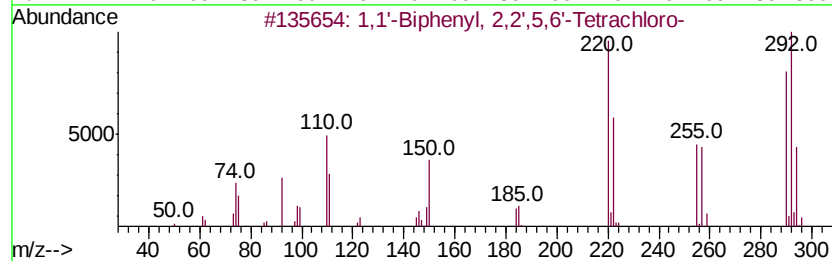
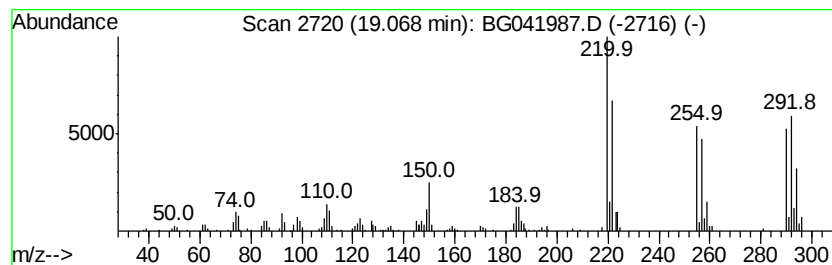
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 1,1'-Biphenyl, 2,2',5,6'-Te... Concentration Rank 21

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.07 | 2.35 ng/ul | 239067 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,2',5,6'-Tetrach... | 290 | C12H6Cl4 | 041464-41-9 | 99   |
| 2    |    | 2,2',4,6'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 068194-04-7 | 99   |
| 3    |    | Biphenyl, 2,4,4',5-tetrachloro-     | 290 | C12H6Cl4 | 032690-93-0 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4 | 041464-49-7 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,2',4,6-Tetrachl... | 290 | C12H6Cl4 | 062796-65-0 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

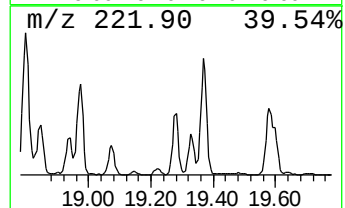
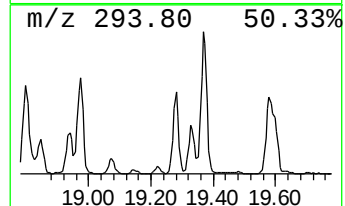
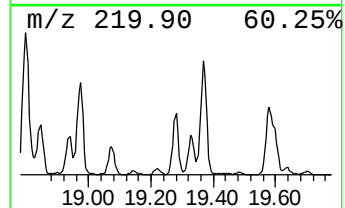
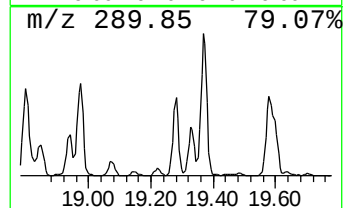
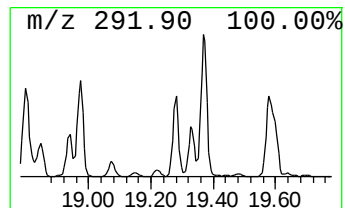
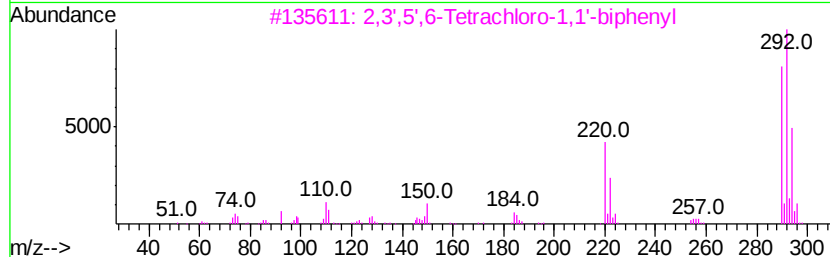
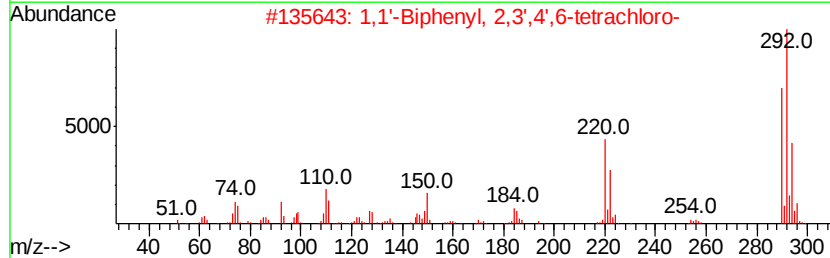
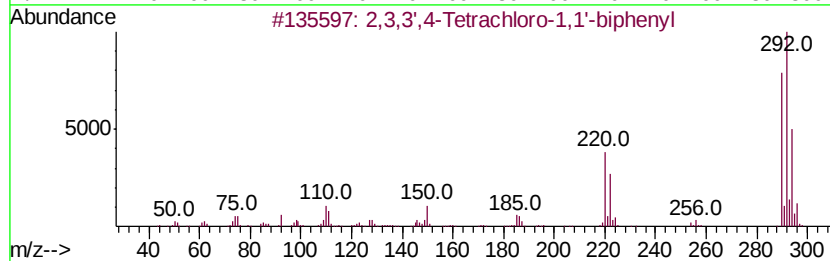
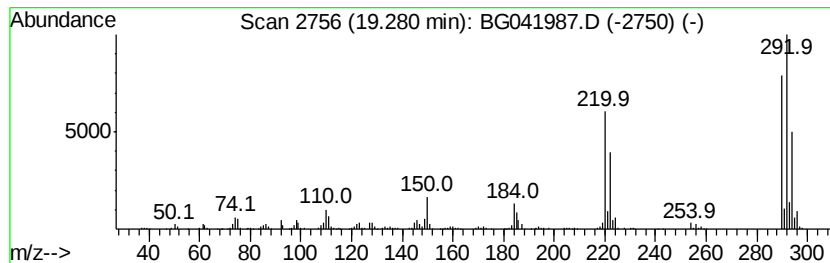
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 2,3,3',4-Tetrachloro-1,1'-b... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.28 | 5.89 ng/ul | 600035 | Phenanthrene-d10 | 17.44 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,3,3',4-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 074338-24-2 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4     | 041464-46-4 | 99      |      |      |
| 3    | 2,3',5',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4     | 074338-23-1 | 99      |      |      |
| 4    | 3,3',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 070362-49-1 | 99      |      |      |
| 5    | Biphenyl, 2,4,4',5-tetrachloro-     | 290 | C12H6Cl4     | 032690-93-0 | 99      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

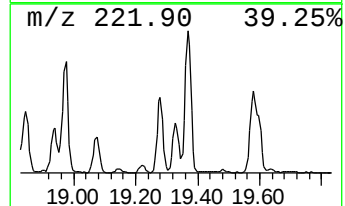
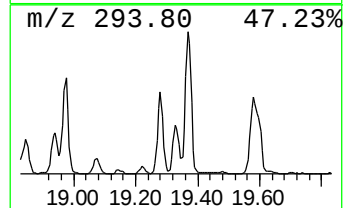
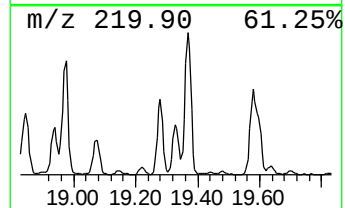
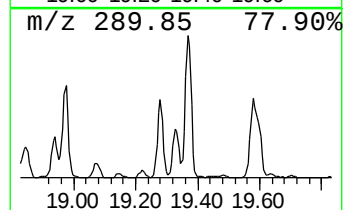
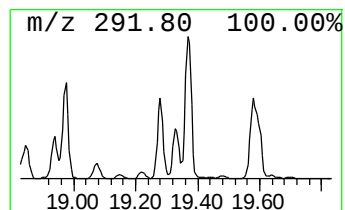
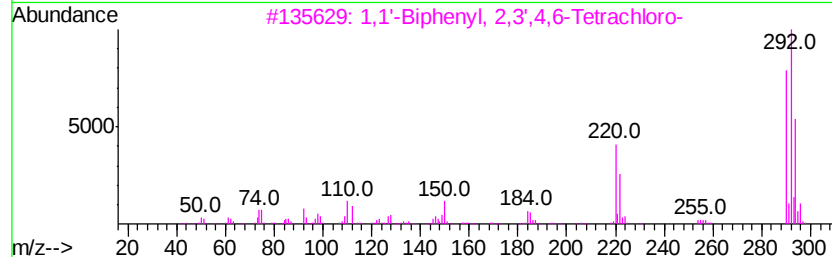
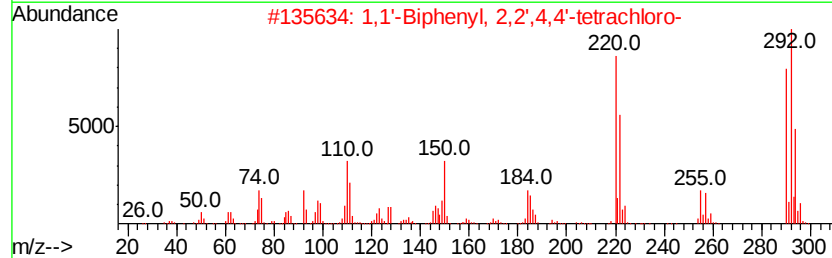
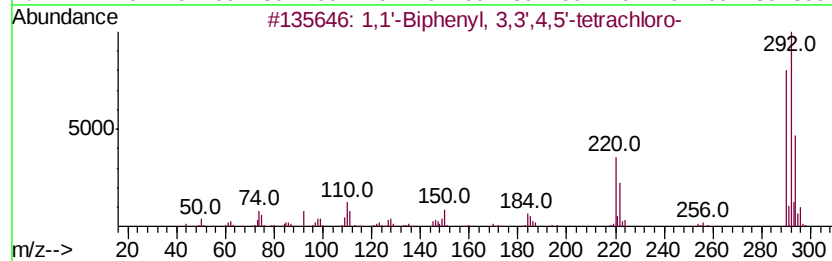
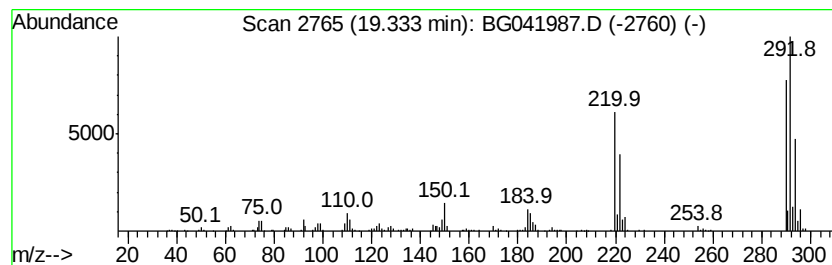
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.33 | 4.65 ng/ul | 474084 | Phenanthrene-d10 | 17.44 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-48-6 | 99   |
| 2    |    |   | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99   |
| 3    |    |   | 1,1'-Biphenyl, 2,3',4,6-Tetrachl... | 290 | C12H6Cl4 | 060233-24-1 | 99   |
| 4    |    |   | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4 | 041464-49-7 | 99   |
| 5    |    |   | 2,3,3',4-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4 | 074338-24-2 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

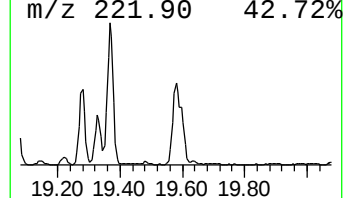
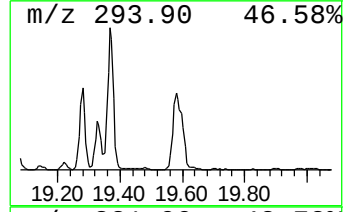
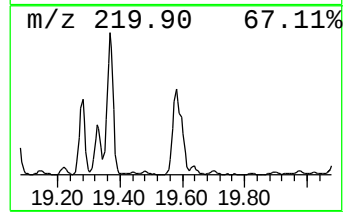
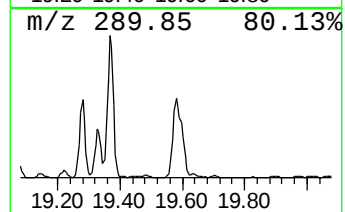
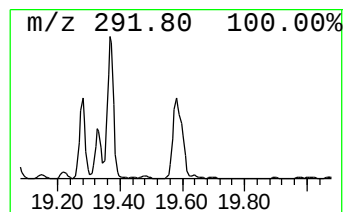
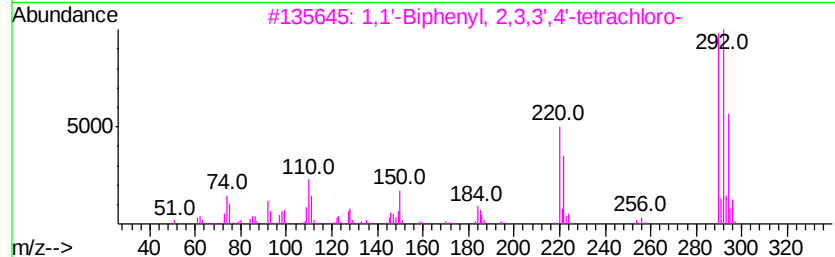
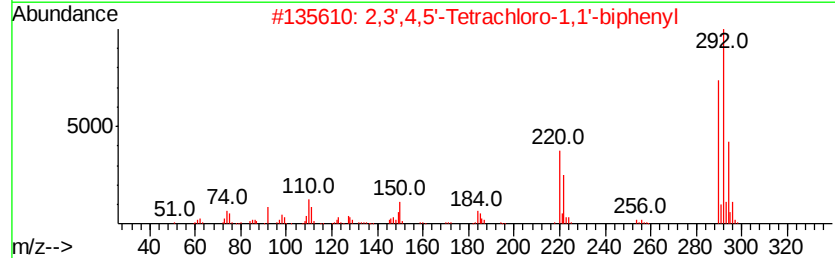
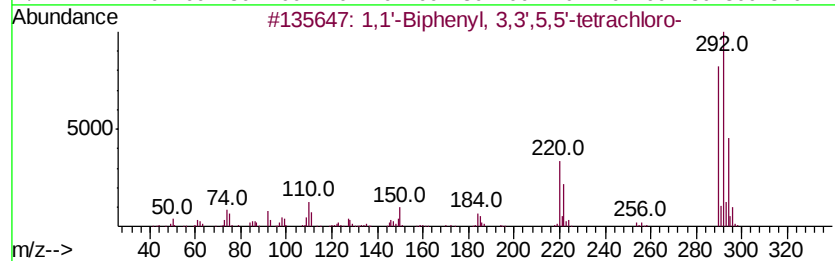
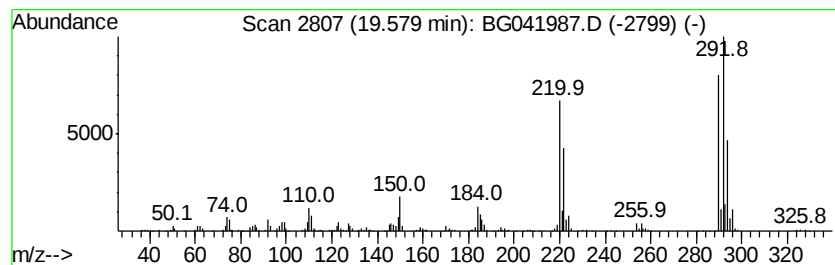
Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 4

| R.T.    | EstConc        | Area                            | Relative to ISTD | R.T.     |             |      |
|---------|----------------|---------------------------------|------------------|----------|-------------|------|
| 19.58   | 10.46 ng/ul    | 1066550                         | Phenanthrene-d10 | 17.44    |             |      |
| Hit# of | 5              | Tentative ID                    | MW               | MolForm  | CAS#        | Qual |
| 1       | 1,1'           | -Biphenyl, 3,3',5,5'-tetrach... | 290              | C12H6Cl4 | 033284-52-5 | 99   |
| 2       | 2,3',4,5'      | -Tetrachloro-1,1'-biphenyl      | 290              | C12H6Cl4 | 073575-52-7 | 99   |
| 3       | 1,1'-Biphenyl, | 2,3,3',4'-tetrach...            | 290              | C12H6Cl4 | 041464-43-1 | 99   |
| 4       | 1,1'-Biphenyl, | 3,3',4,5'-tetrach...            | 290              | C12H6Cl4 | 041464-48-6 | 99   |
| 5       | 1,1'-Biphenyl, | 2,3,3',5'-tetrach...            | 290              | C12H6Cl4 | 041464-49-7 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

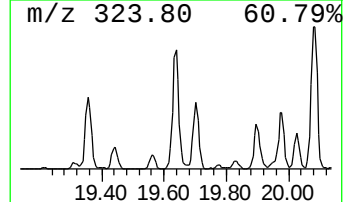
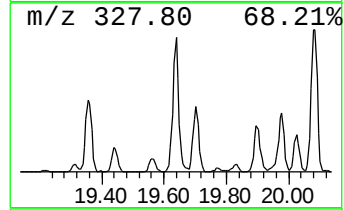
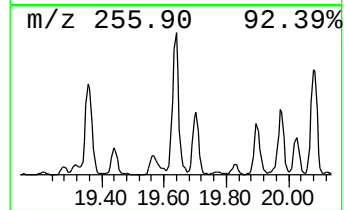
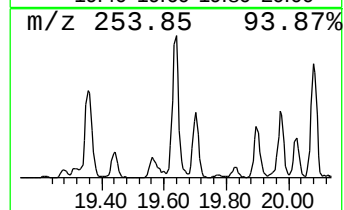
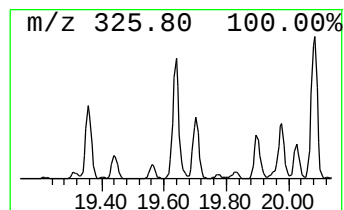
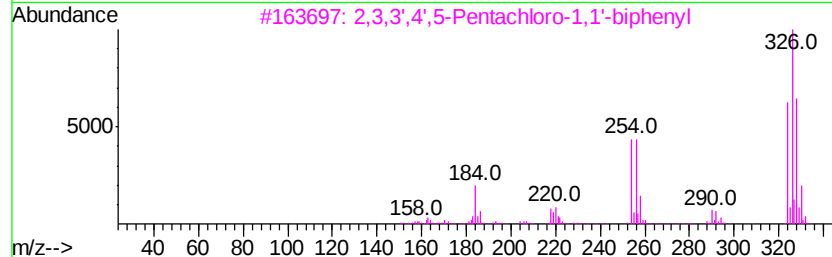
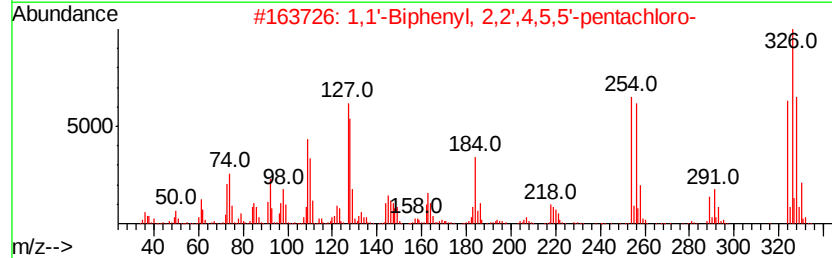
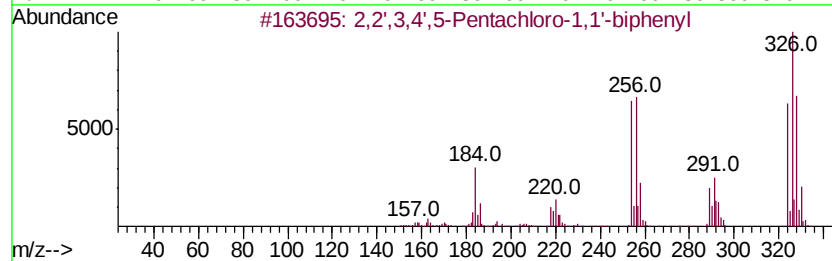
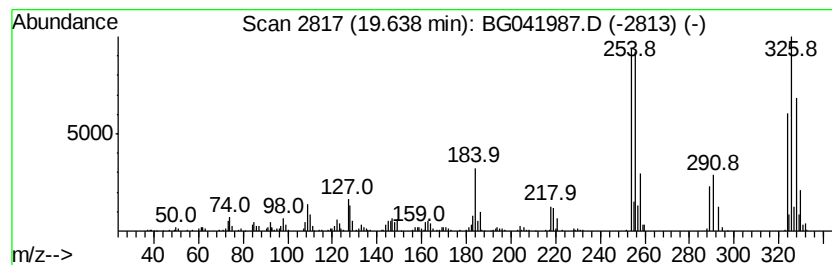
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 2,2',3,4',5-Pentachloro-1,1... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.64 | 4.88 ng/ul | 648686 | Chrysene-d12     | 21.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,2',3,4',5-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 068194-07-0 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5 | 037680-73-2 | 98   |
| 3    |    | 2,3,3',4',5-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070424-68-9 | 98   |
| 4    |    | 2,3,3',5',6-Pentachloro-1,1'-bi...  | 324 | C12H5Cl5 | 068194-10-5 | 97   |
| 5    |    | 1,1'-Biphenyl, 2,2',4,6,6'-Penta... | 324 | C12H5Cl5 | 056558-16-8 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

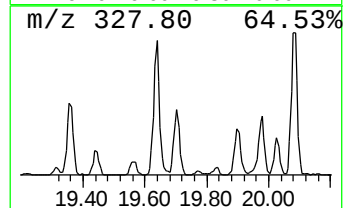
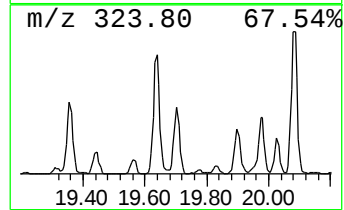
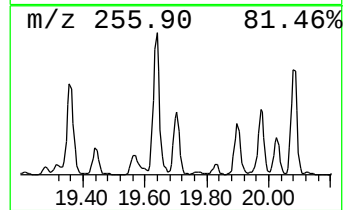
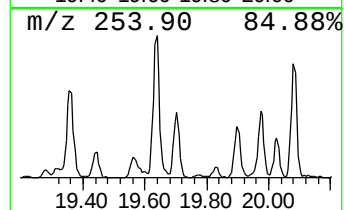
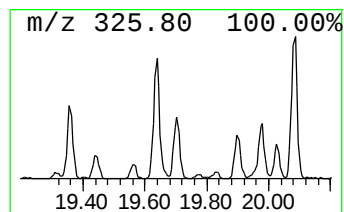
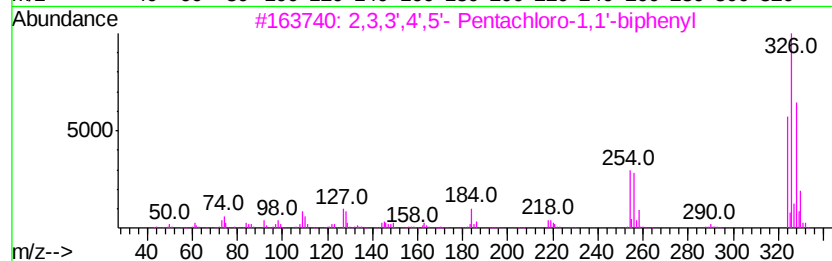
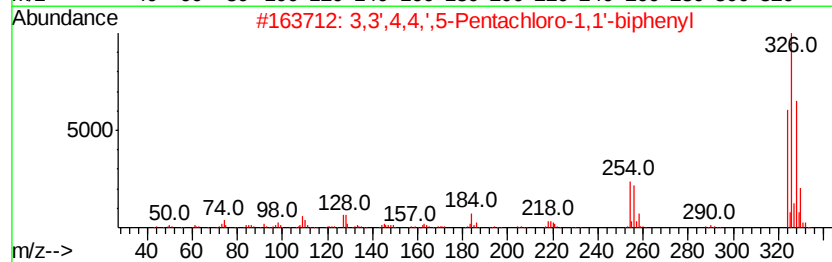
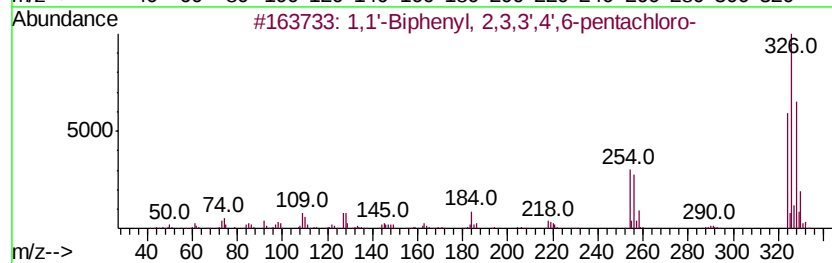
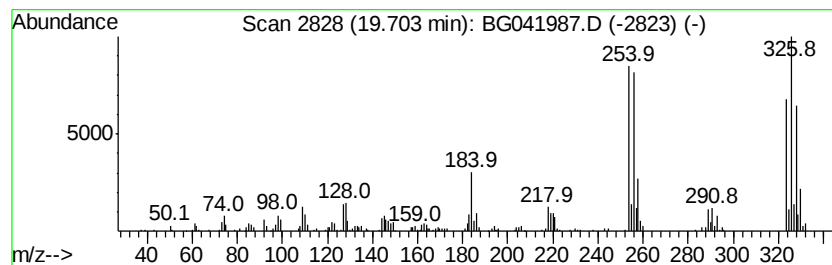
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 24

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.70 | 2.06 ng/ul | 274340 | Chrysene-d12     | 21.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99   |
| 2    |    | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324 | C12H5Cl5 | 057465-28-8 | 99   |
| 3    |    | 2,3,3',4',5'- Pentachloro-1,1'-b... | 324 | C12H5Cl5 | 076842-07-4 | 99   |
| 4    |    | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,2',4,6,6'-Penta... | 324 | C12H5Cl5 | 056558-16-8 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

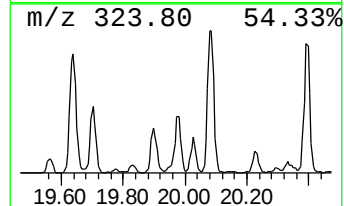
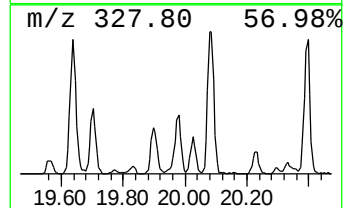
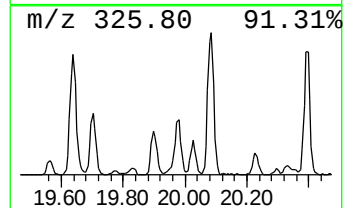
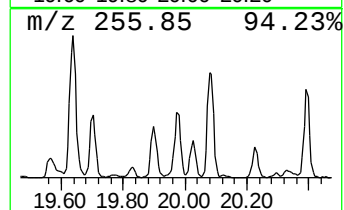
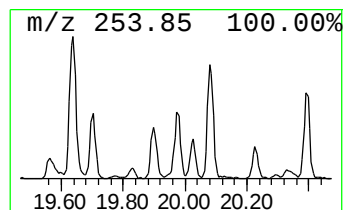
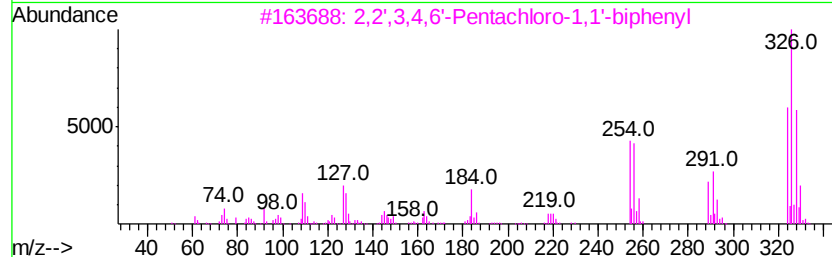
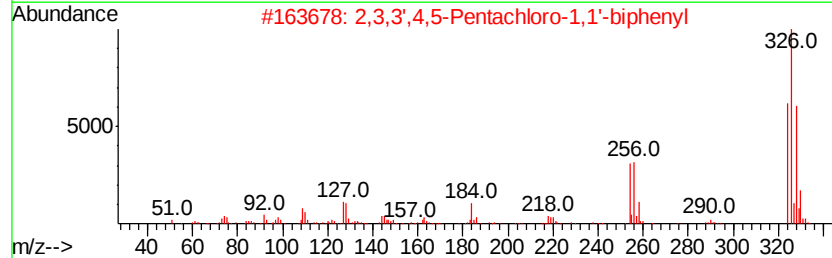
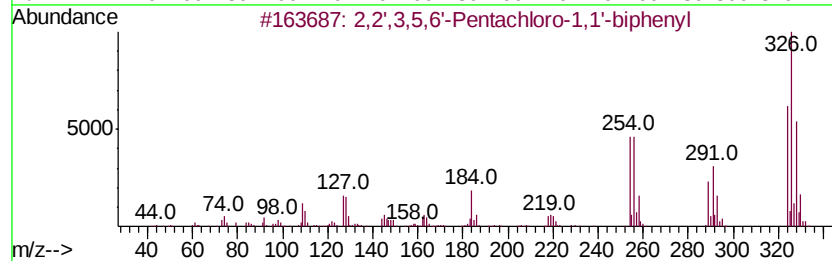
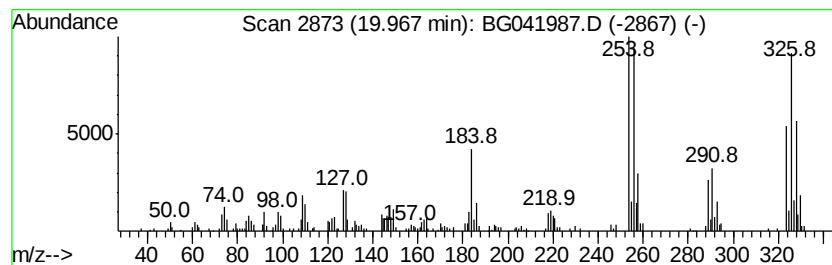
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 21 2,2',3,5,6'-Pentachloro-1,1... Concentration Rank 23

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.97 | 2.24 ng/ul | 298014 | Chrysene-d12     | 21.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,2',3,5,6'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 073575-55-0 | 99   |
| 2    |    | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 99   |
| 3    |    | 2,2',3,4,6'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 073575-57-2 | 99   |
| 4    |    | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 99   |
| 5    |    | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

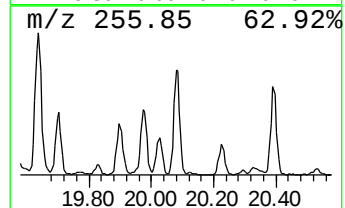
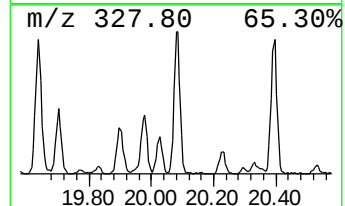
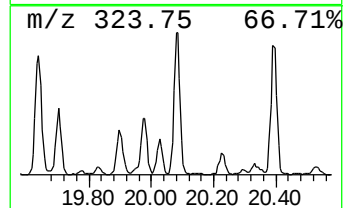
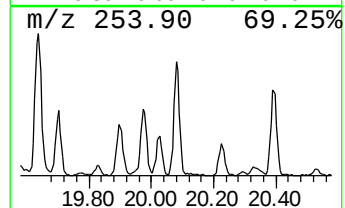
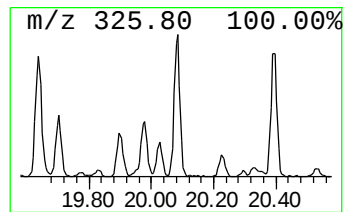
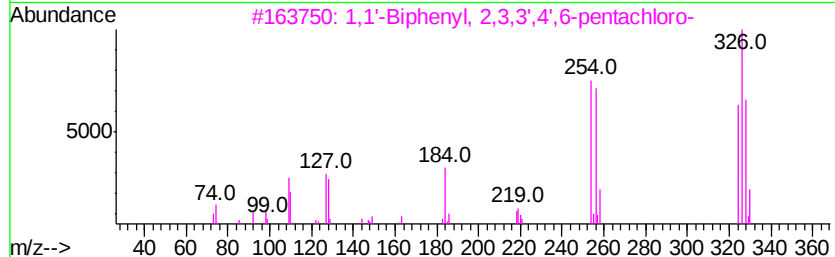
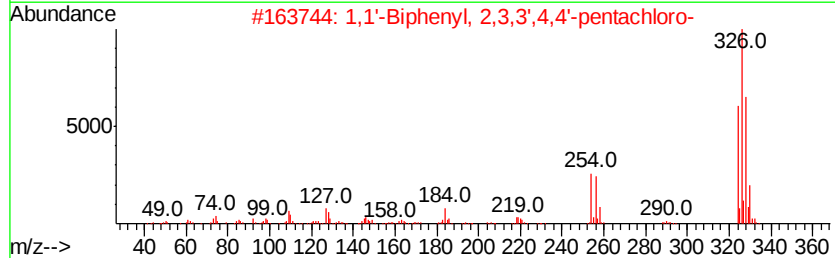
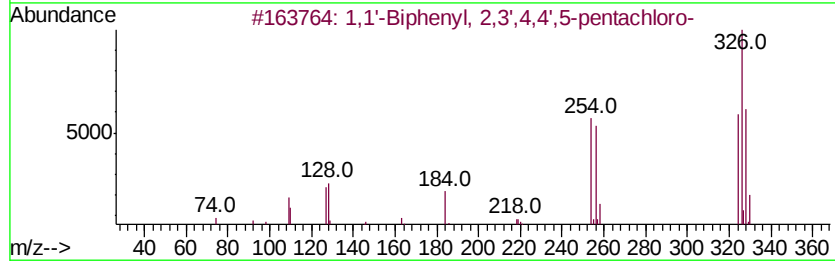
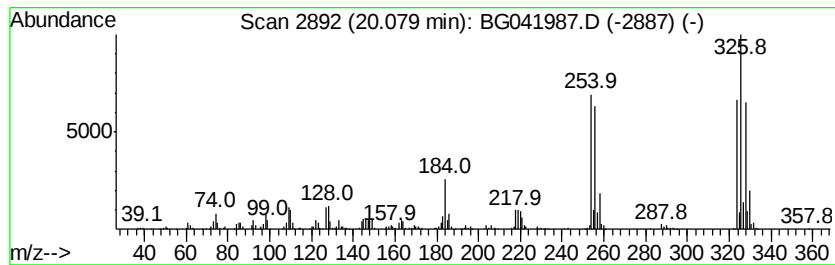
Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 22 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 13

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 20.08   | 4.04 ng/ul                          | 537011       | Chrysene-d12     | 21.73          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324          | C12H5Cl5         | 031508-00-6 99 |
| 2       | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324          | C12H5Cl5         | 032598-14-4 99 |
| 3       | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324          | C12H5Cl5         | 038380-03-9 99 |
| 4       | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324          | C12H5Cl5         | 031508-00-6 98 |
| 5       | 1,1'-Biphenyl, 2,3,4,4',5-Pentac... | 324          | C12H5Cl5         | 074472-37-0 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\  
Data File : BG041987.D  
Acq On : 6 Aug 2019 4:59  
Operator : HP/JU  
Sample : K4023-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

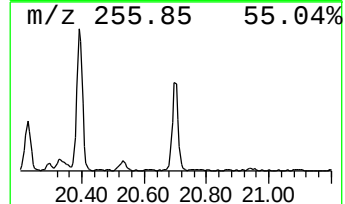
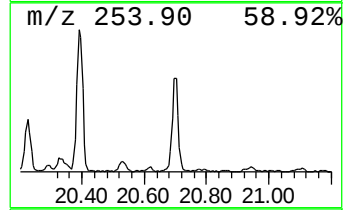
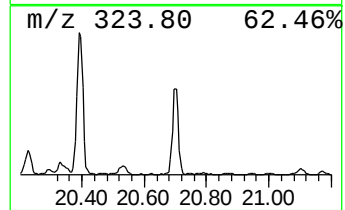
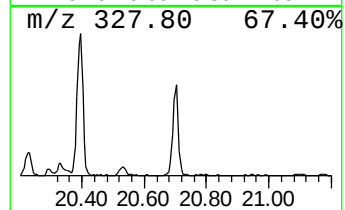
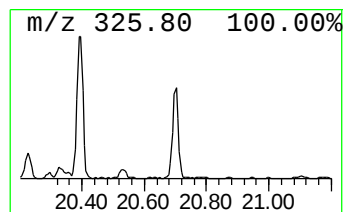
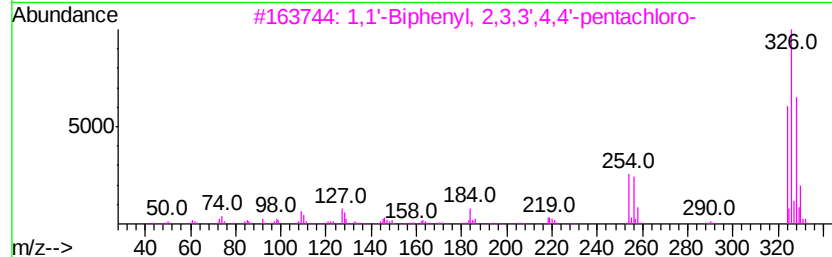
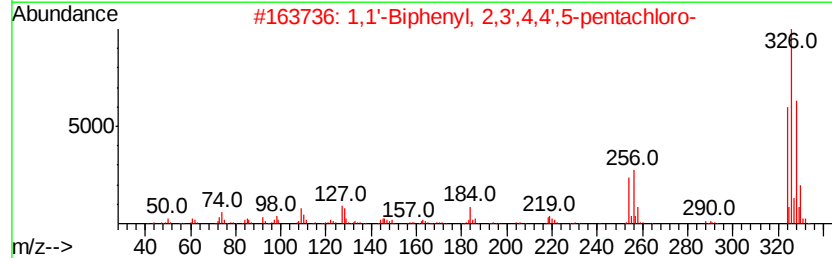
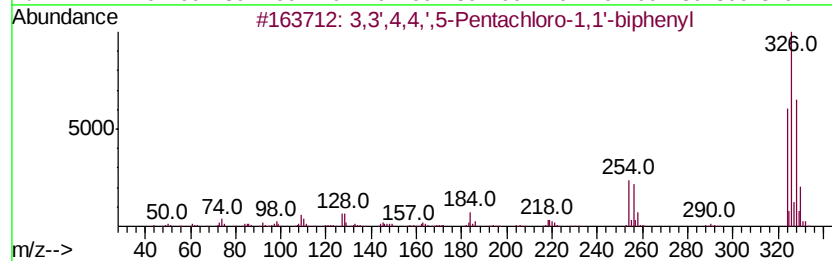
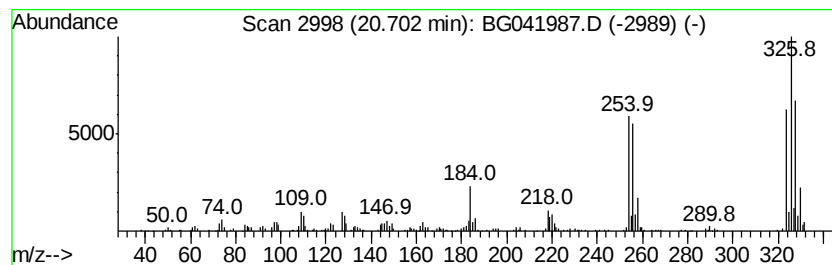
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 24 3,3',4,4',5-Pentachloro-1,... Concentration Rank 19

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.70 | 2.62 ng/ul | 348101 | Chrysene-d12     | 21.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324 | C12H5Cl5 | 057465-28-8 | 99   |
| 2    |    | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99   |
| 3    |    | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 99   |
| 4    |    | 3,3',4,5,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 039635-33-1 | 99   |
| 5    |    | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080519\  
 Data File : BG041987.D  
 Acq On : 6 Aug 2019 4:59  
 Operator : HP/JU  
 Sample : K4023-01  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ETNK7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.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... | 3.35  | 4.2     | ng/ul | 174485   | 1                     | 8.03  | 823685  | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.62 | 2.9     | ng/ul | 297983   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 3,... | 18.05 | 6.7     | ng/ul | 680210   | 4                     | 17.44 | 2038780 | 20.0 |
| 2,2',4,6'-Tetrach... | 18.16 | 2.3     | ng/ul | 236990   | 4                     | 17.44 | 2038780 | 20.0 |
| 2,3,3',6-Tetrachl... | 18.35 | 2.8     | ng/ul | 280327   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.52 | 11.4    | ng/ul | 1161770  | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.57 | 8.9     | ng/ul | 909493   | 4                     | 17.44 | 2038780 | 20.0 |
| 2,2',4,5-Tetrachl... | 18.62 | 5.0     | ng/ul | 510597   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.80 | 12.1    | ng/ul | 1230380  | 4                     | 17.44 | 2038780 | 20.0 |
| 2,3',4,5-Tetrachl... | 18.97 | 7.7     | ng/ul | 789213   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.07 | 2.4     | ng/ul | 239067   | 4                     | 17.44 | 2038780 | 20.0 |
| 2,3,3',4-Tetrachl... | 19.28 | 5.9     | ng/ul | 600035   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 3,... | 19.33 | 4.7     | ng/ul | 474084   | 4                     | 17.44 | 2038780 | 20.0 |
| 1,1'-Biphenyl, 3,... | 19.58 | 10.5    | ng/ul | 1066550  | 4                     | 17.44 | 2038780 | 20.0 |
| 2,2',3,4',5-Penta... | 19.64 | 4.9     | ng/ul | 648686   | 5                     | 21.73 | 2660070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.70 | 2.1     | ng/ul | 274340   | 5                     | 21.73 | 2660070 | 20.0 |
| 2,2',3,5,6'-Penta... | 19.97 | 2.2     | ng/ul | 298014   | 5                     | 21.73 | 2660070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.08 | 4.0     | ng/ul | 537011   | 5                     | 21.73 | 2660070 | 20.0 |
| 3,3',4,4',5-Pent...  | 20.70 | 2.6     | ng/ul | 348101   | 5                     | 21.73 | 2660070 | 20.0 |