LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.952 | 6 | 11 | 32 | rVB | 19916306 | 23834613 | 100.00% | 66.031% |
| 2 | 3.228 | 54 | 58 | 62 | rVB | 21141 | 25556 | 0.11% | 0.071% |
| 3 | 7.404 | 762 | 768 | 776 | rBV | 444733 | 670200 | 2.81% | 1.857% |
| 4 | 9.463 | 1112 | 1118 | 1129 | rBV | 115348 | 185243 | 0.78% | 0.513% |
| 5 | 10.169 | 1230 | 1238 | 1248 | rBV | 522347 | 871811 | 3.66% | 2.415% |
| 6 | 12.992 | 1710 | 1718 | 1726 | rBV | 65505 | 88920 | 0.37% | 0.246% |
| 7 | 14.063 | 1893 | 1900 | 1908 | rBV | 739401 | 1057526 | 4.44% | 2.930% |
| 8 | 15.333 | 2112 | 2116 | 2121 | rBV | 57008 | 74155 | 0.31% | 0.205% |
| 9 | 16.063 | 2233 | 2240 | 2247 | rBV | 101282 | 137880 | 0.58% | 0.382% |
| 10 | 16.357 | 2286 | 2290 | 2294 | rVB | 24244 | 29023 | 0.12% | 0.080% |
| 11 | 16.704 | 2344 | 2349 | 2353 | rBV | 289980 | 388254 | 1.63% | 1.076% |
| 12 | 16.739 | 2353 | 2355 | 2362 | rVB | 91489 | 110984 | 0.47% | 0.307% |
| 13 | 16.815 | 2362 | 2368 | 2374 | rBV | 916995 | 1237069 | 5.19% | 3.427% |
| 14 | 16.998 | 2393 | 2399 | 2405 | rBV2 | 150226 | 215564 | 0.90% | 0.597% |
| 15 | 17.280 | 2443 | 2447 | 2450 | rBV | 35071 | 46768 | 0.20% | 0.130% |
| 16 | 17.421 | 2465 | 2471 | 2480 | rBV2 | 335706 | 654698 | 2.75% | 1.814% |
| 17 | 17.551 | 2487 | 2493 | 2499 | rBV2 | 178296 | 268072 | 1.12% | 0.743% |
| 18 | 17.674 | 2509 | 2514 | 2519 | rBV | 94879 | 122404 | 0.51% | 0.339% |
| 19 | 17.727 | 2519 | 2523 | 2528 | rVB2 | 50147 | 62853 | 0.26% | 0.174% |
| 20 | 17.833 | 2537 | 2541 | 2545 | rVB3 | 21357 | 24903 | 0.10% | 0.069% |
| 21 | 17.898 | 2547 | 2552 | 2558 | rVV | 265899 | 340989 | 1.43% | 0.945% |
| 22 | 17.957 | 2558 | 2562 | 2566 | rVV | 169223 | 210227 | 0.88% | 0.582% |
| 23 | 17.998 | 2566 | 2569 | 2575 | rVB2 | 124625 | 155797 | 0.65% | 0.432% |
| 24 | 18.186 | 2596 | 2601 | 2605 | rBV | 216669 | 301953 | 1.27% | 0.837% |
| 25 | 18.233 | 2605 | 2609 | 2614 | rVB | 69450 | 97333 | 0.41% | 0.270% |
| 26 | 18.286 | 2614 | 2618 | 2621 | rBV | 53355 | 71740 | 0.30% | 0.199% |
| 27 | 18.327 | 2621 | 2625 | 2627 | rVV | 66717 | 85420 | 0.36% | 0.237% |
| 28 | 18.362 | 2627 | 2631 | 2637 | rVB | 158483 | 198118 | 0.83% | 0.549% |
| 29 | 18.462 | 2644 | 2648 | 2654 | rVB2 | 48085 | 62455 | 0.26% | 0.173% |
| 30 | 18.680 | 2680 | 2685 | 2689 | rBV | 126689 | 155353 | 0.65% | 0.430% |
| 31 | 18.727 | 2689 | 2693 | 2697 | rVV | 255514 | 377408 | 1.58% | 1.046% |
| 32 | 18.768 | 2697 | 2700 | 2705 | rVV | 238389 | 306725 | 1.29% | 0.850% |
| 33 | 18.980 | 2731 | 2736 | 2743 | rBV2 | 122025 | 254106 | 1.07% | 0.704% |
| 34 | 19.045 | 2743 | 2747 | 2754 | rVB3 | 89626 | 136932 | 0.57% | 0.379% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.109 | 2754 | 2758 | 2762 | rBV2 | 47805 | 54524 | 0.23% | 0.151% |
| 36 | 19.309 | 2788 | 2792 | 2797 | rBV4 | 37931 | 49697 | 0.21% | 0.138% |
| 37 | 19.386 | 2802 | 2805 | 2810 | rVV2 | 50196 | 60858 | 0.26% | 0.169% |
| 38 | 19.439 | 2810 | 2814 | 2818 | rVB3 | 30111 | 34130 | 0.14% | 0.095% |
| 39 | 19.498 | 2819 | 2824 | 2827 | rVV | 86048 | 106197 | 0.45% | 0.294% |
| 40 | 19.545 | 2829 | 2832 | 2840 | rVB6 | 19284 | 24111 | 0.10% | 0.067% |
| 41 | 19.639 | 2844 | 2848 | 2851 | rVB3 | 23767 | 30413 | 0.13% | 0.084% |
| 42 | 19.815 | 2874 | 2878 | 2883 | rVV2 | 78236 | 94182 | 0.40% | 0.261% |
| 43 | 20.121 | 2926 | 2930 | 2935 | rVB | 47822 | 60674 | 0.25% | 0.168% |
| 44 | 21.027 | 3079 | 3084 | 3093 | rBV | 1097152 | 1365021 | 5.73% | 3.782% |
| 45 | 23.121 | 3435 | 3440 | 3447 | rVB | 820396 | 1355385 | 5.69% | 3.755% |

Sum of corrected areas: 36096244

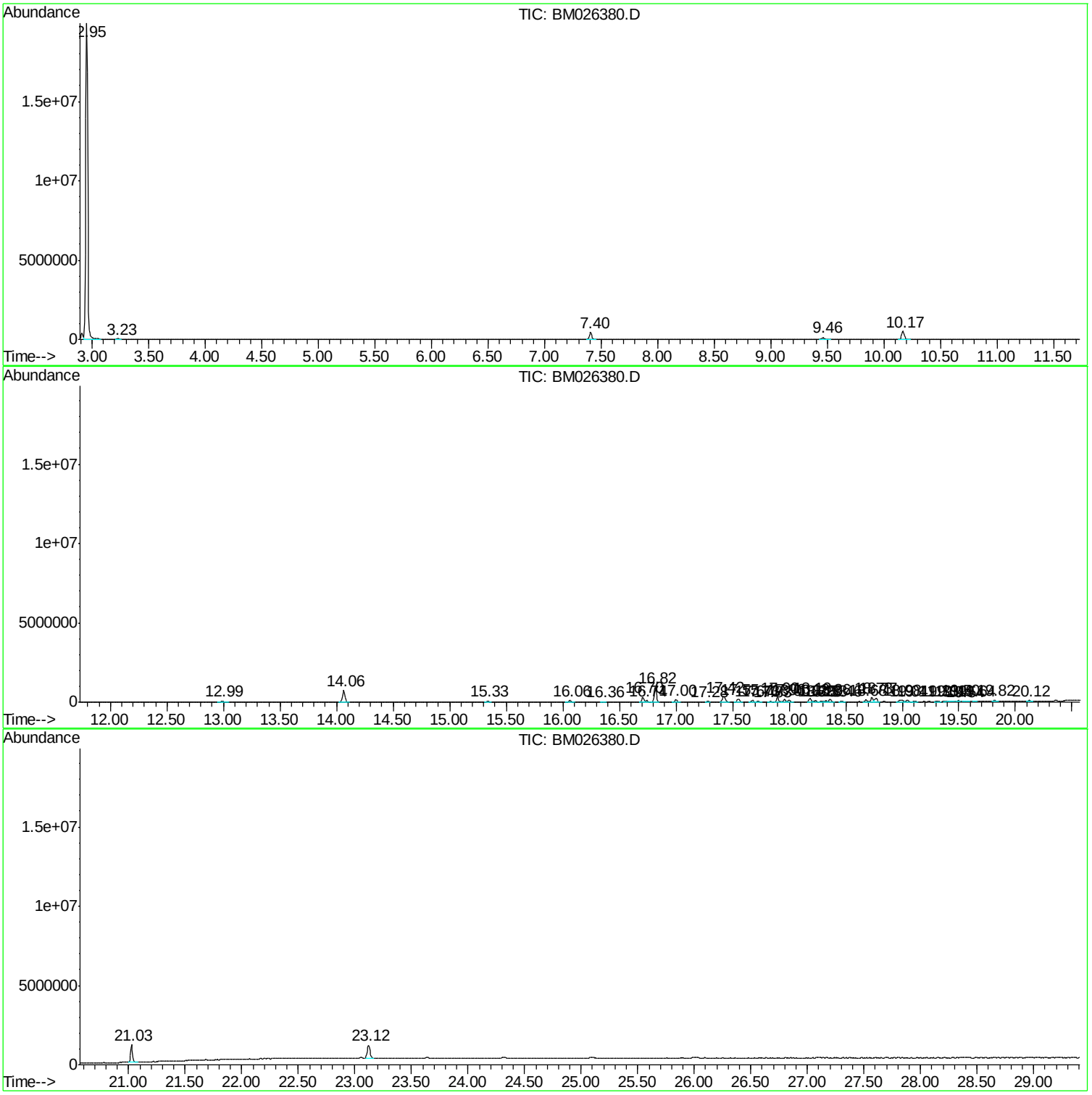
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

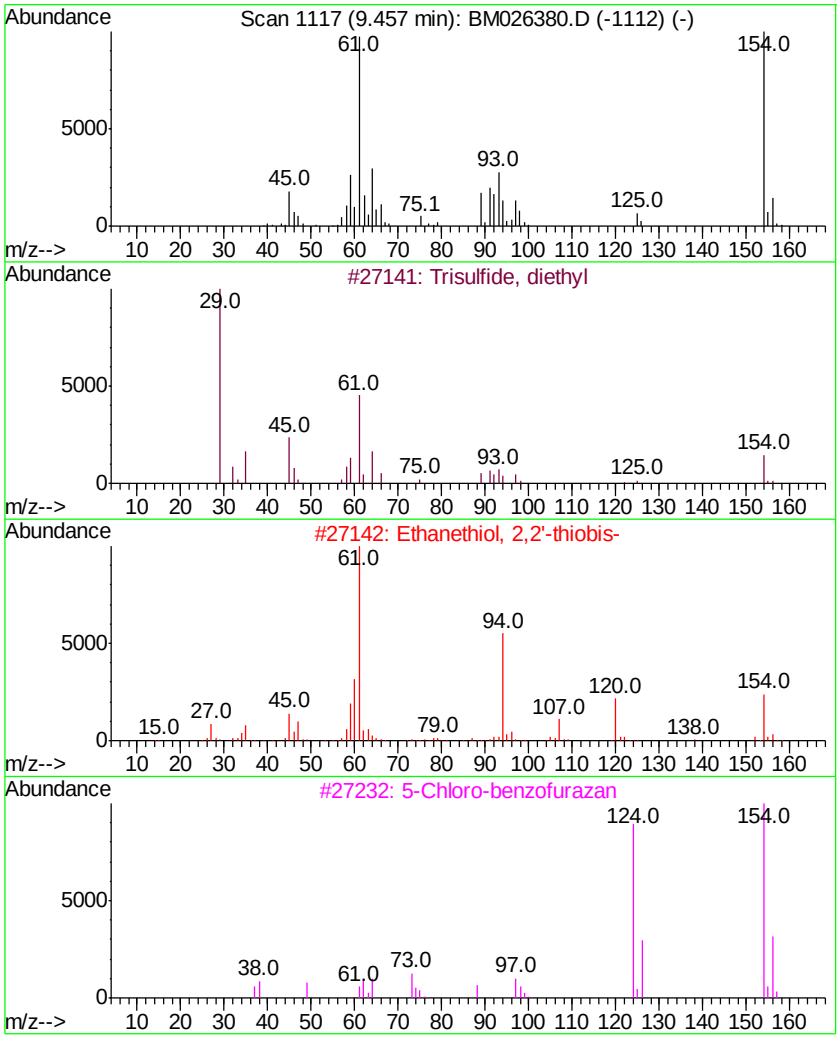
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

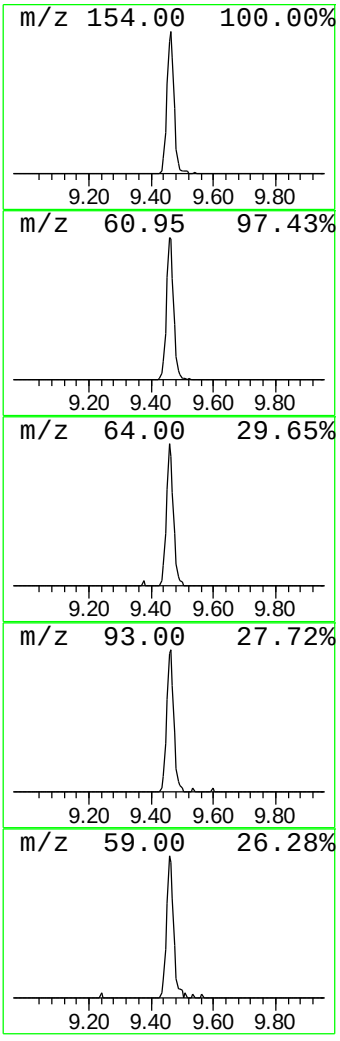
**********

Peak Number 2 Trisulfide, diethyl Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.46 | 4.25 ng/ul | 185243 | Naphthalene-d8 | 10.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisulfide, diethyl | 154 | C4H10S3 | 003600-24-6 | 90 |
| 2 | Ethanethiol, 2,2'-thiobis- | 154 | C4H10S3 | 003570-55-6 | 50 |
| 3 | 5-Chloro-benzofurazan | 154 | C6H3ClN2O | 019155-86-3 | 32 |
| 4 | Propane, 2-methyl-1-(methylthio)- | 104 | C5H12S | 005008-69-5 | 25 |
| 5 | Benzofurazan, 4-chloro- | 154 | C6H3ClN2O | 007116-16-7 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

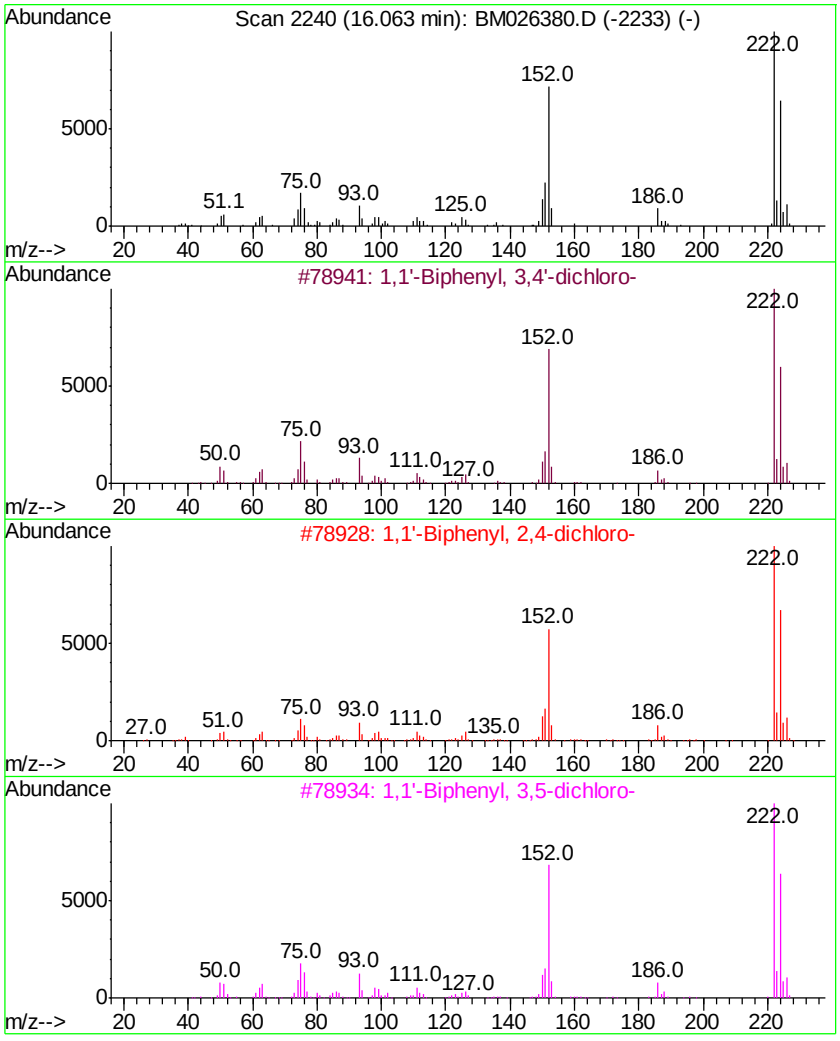
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

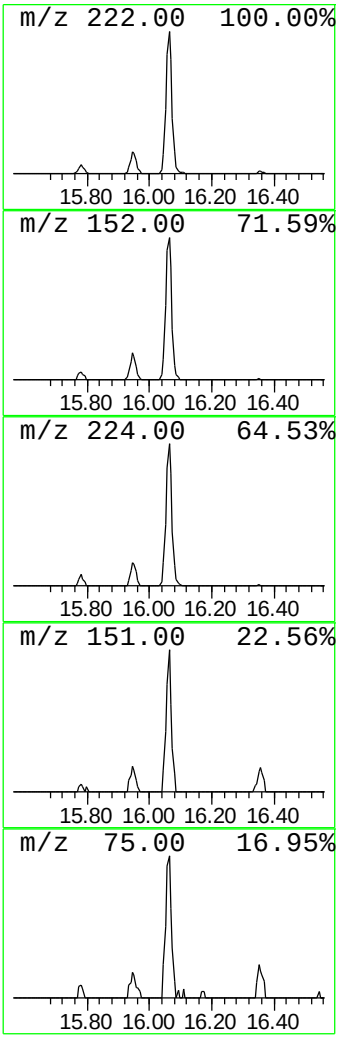
**********

Peak Number 3 1,1'-Biphenyl, 3,4'-dichloro- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.06 | 2.23 ng/ul | 137880 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 3,4'-dichloro- | 222 | C12H8Cl2 | 002974-90-5 | 99 |
| 2 | 1,1'-Biphenyl, 2,4-dichloro- | 222 | C12H8Cl2 | 033284-50-3 | 98 |
| 3 | 1,1'-Biphenyl, 3,5-dichloro- | 222 | C12H8Cl2 | 034883-41-5 | 98 |
| 4 | 1,1'-Biphenyl, 2,5-dichloro- | 222 | C12H8Cl2 | 034883-39-1 | 98 |
| 5 | 1,1'-Biphenyl, 3,4-dichloro- | 222 | C12H8Cl2 | 002974-92-7 | 98 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

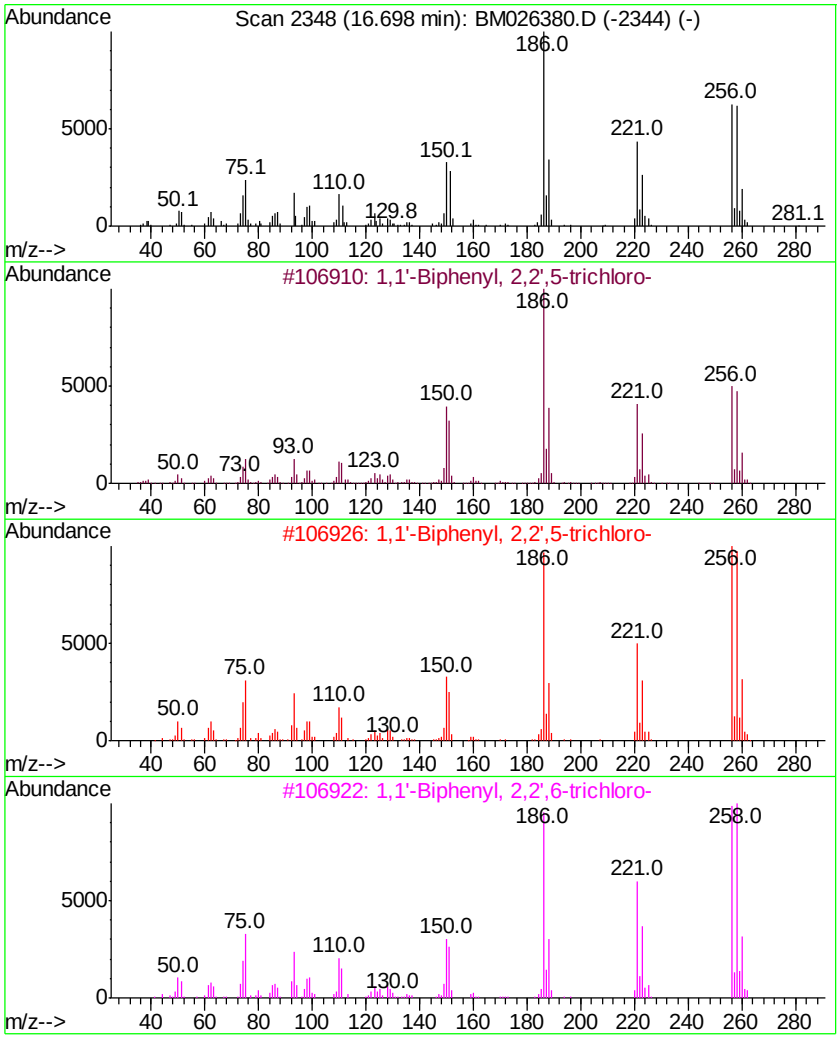
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

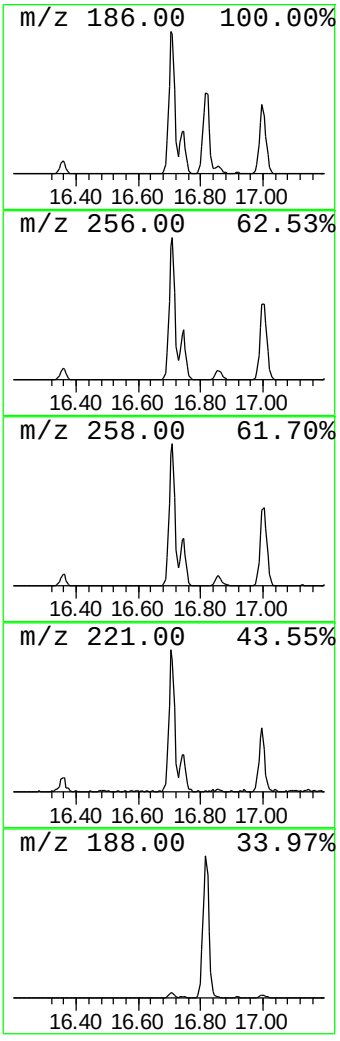
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 6.28 ng/ul | 388254 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',6-trichloro- | 256 | C12H7Cl3 | 038444-73-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 98 |
| 5 | 2,2',3-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 038444-78-9 | 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

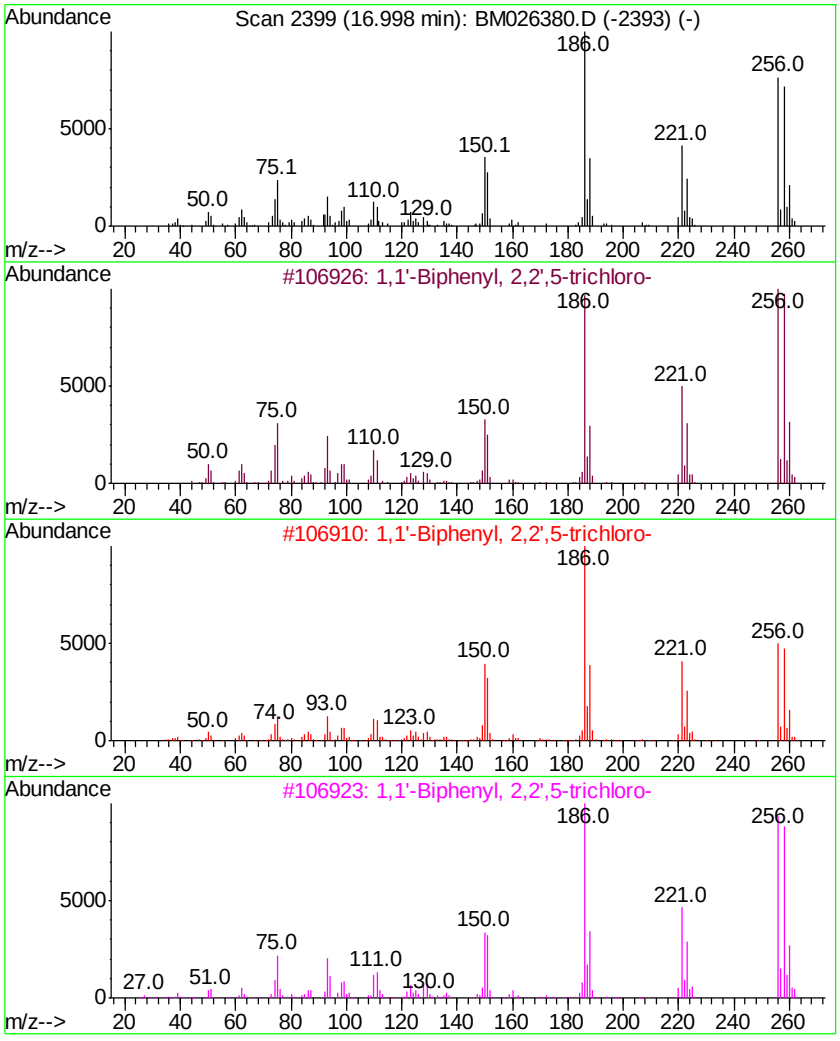
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

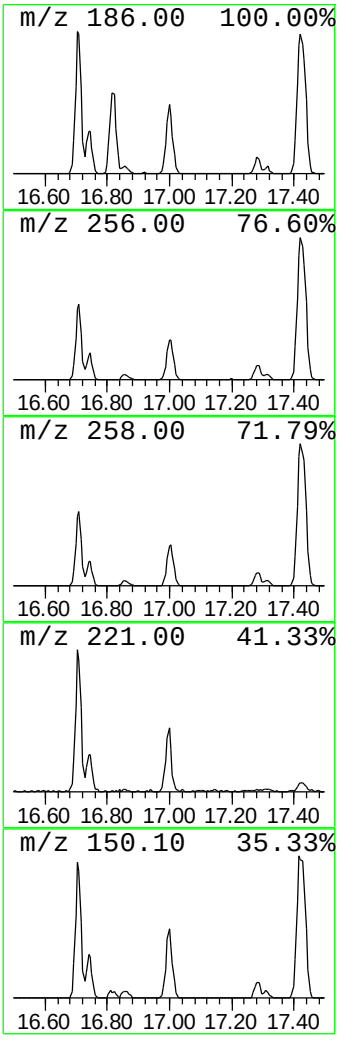
**********

Peak Number 5 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.00 | 3.49 ng/ul | 215564 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',6-trichloro- | 256 | C12H7Cl3 | 038444-73-4 | 99 |
| 5 | 2,2',3-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 038444-78-9 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

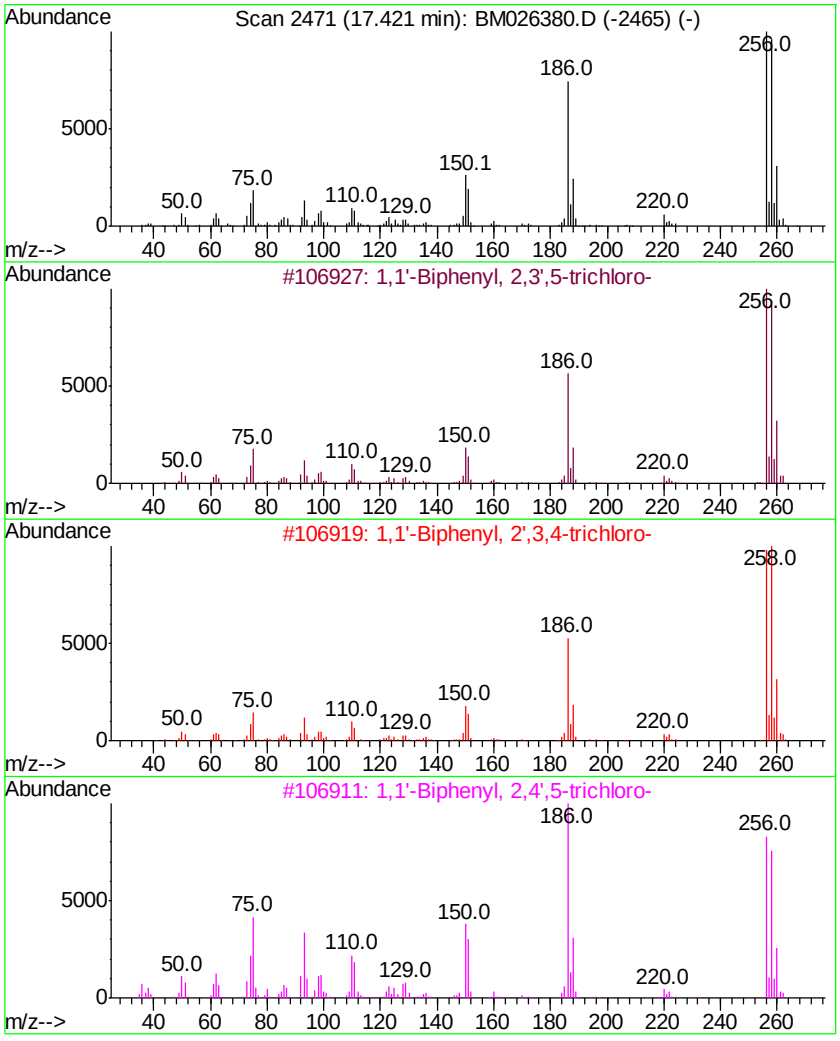
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

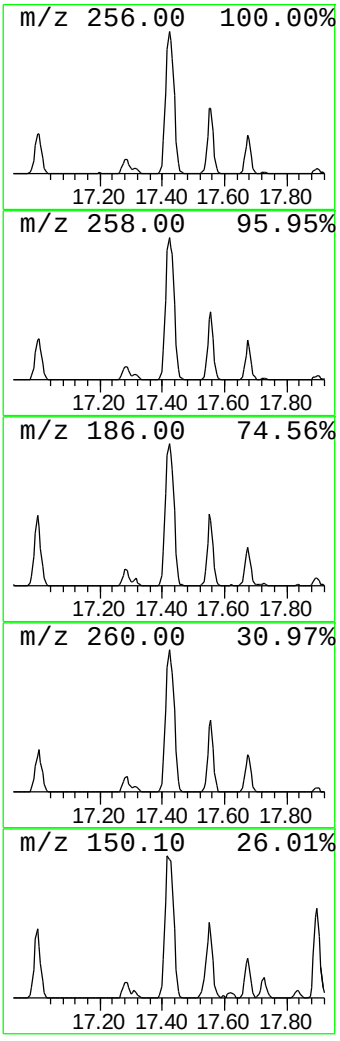
**********

Peak Number 6 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.42 | 10.58 ng/ul | 654698 | Phenanthrene-d10 | 16.82 |

| 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, 2',3,4-trichloro- | 256 | C12H7Cl3 | 038444-86-9 | 99 |
| 3 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 99 |
| 4 | 2,4',6-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 038444-77-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3 | 038444-85-8 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

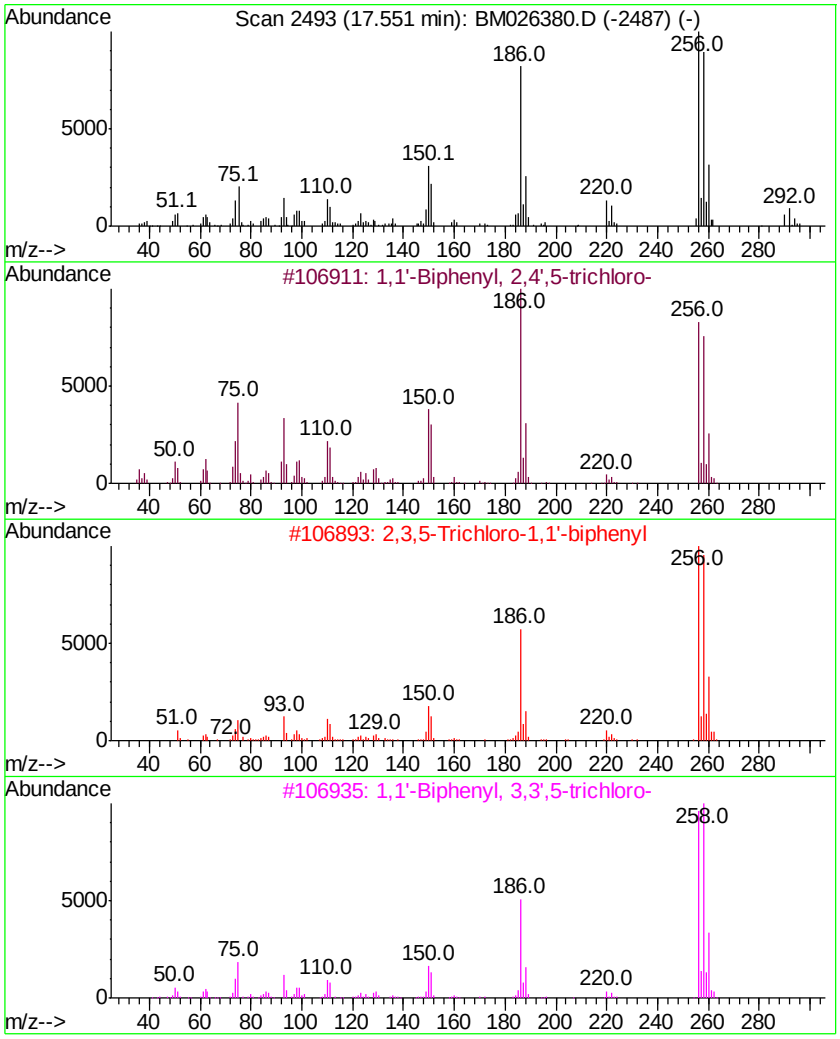
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

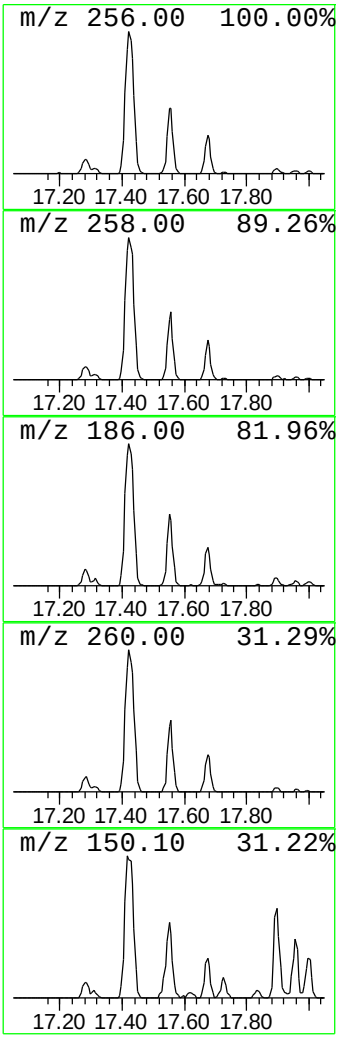
**********

Peak Number 7 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.55 | 4.33 ng/ul | 268072 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 99 |
| 2 | 2,3,5-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 055720-44-0 | 99 |
| 3 | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3 | 038444-87-0 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3 | 038444-81-4 | 99 |
| 5 | 1,1'-Biphenyl, 3,4',5-trichloro- | 256 | C12H7Cl3 | 038444-88-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

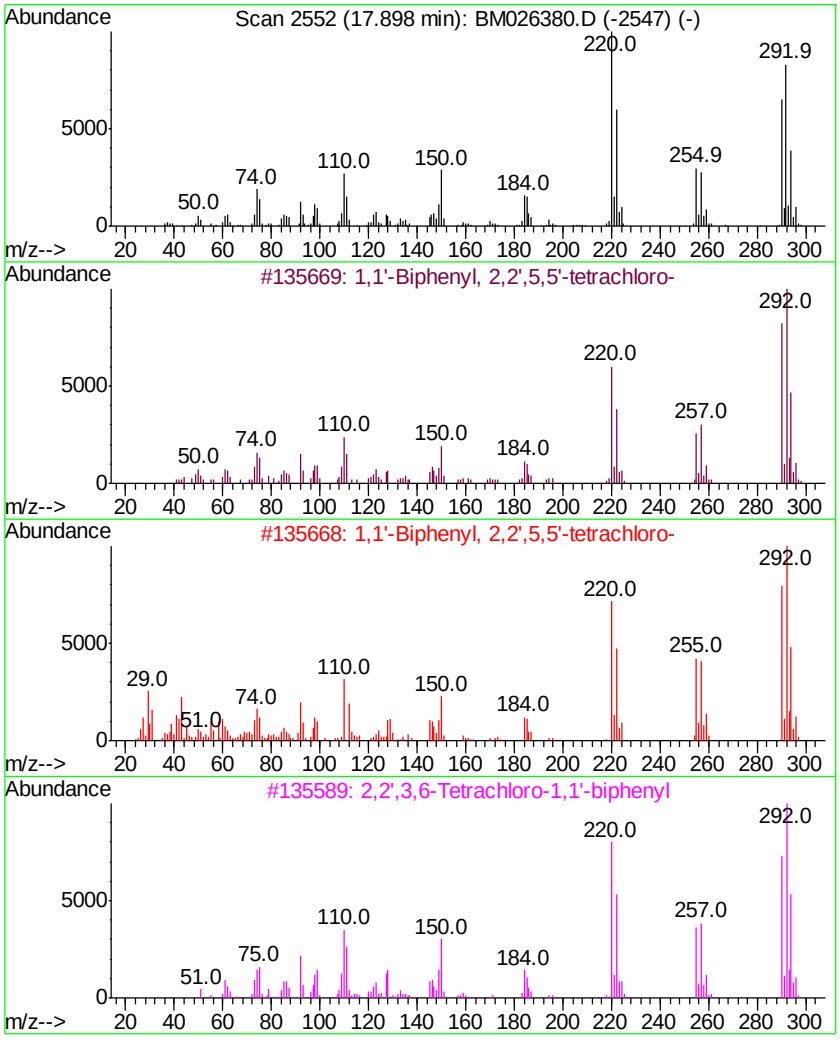
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

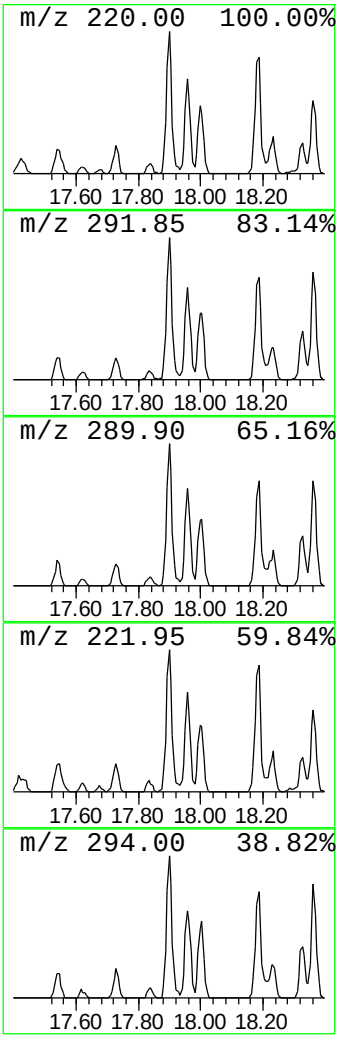
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 5.51 ng/ul | 340989 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99 |
| 3 | 2,2',3,6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-45-7 | 99 |
| 4 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |
| 5 | 2,2',4,6'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 068194-04-7 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

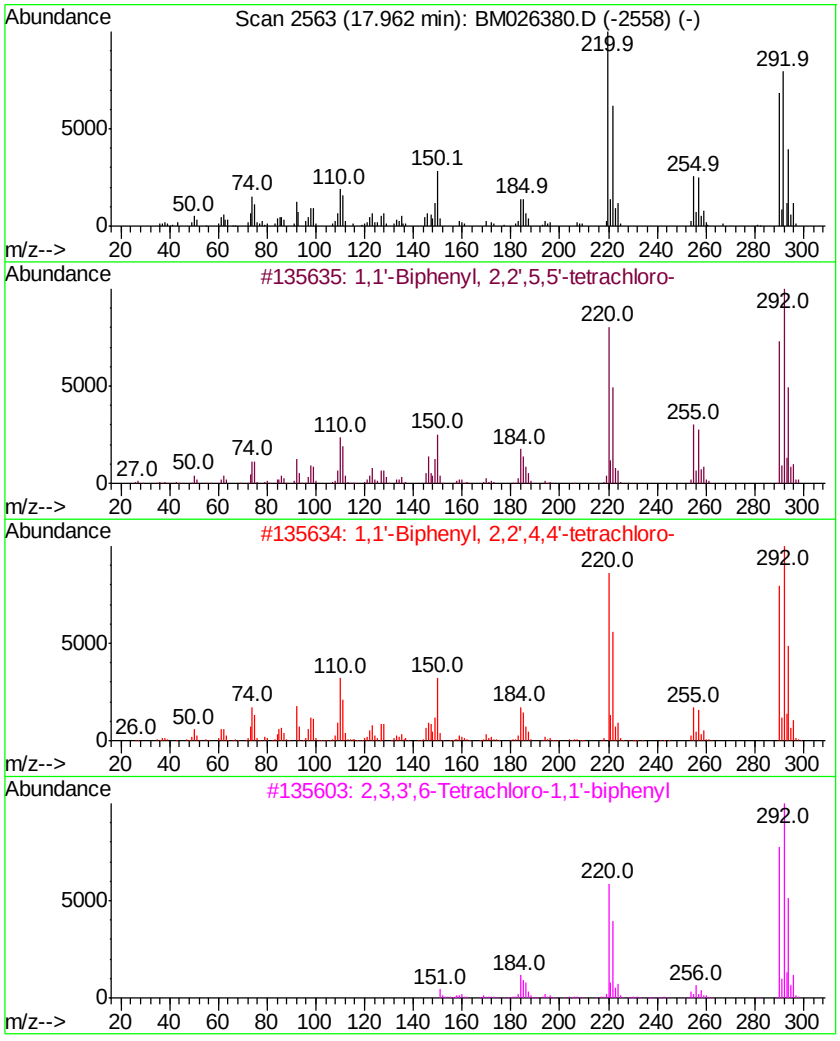
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

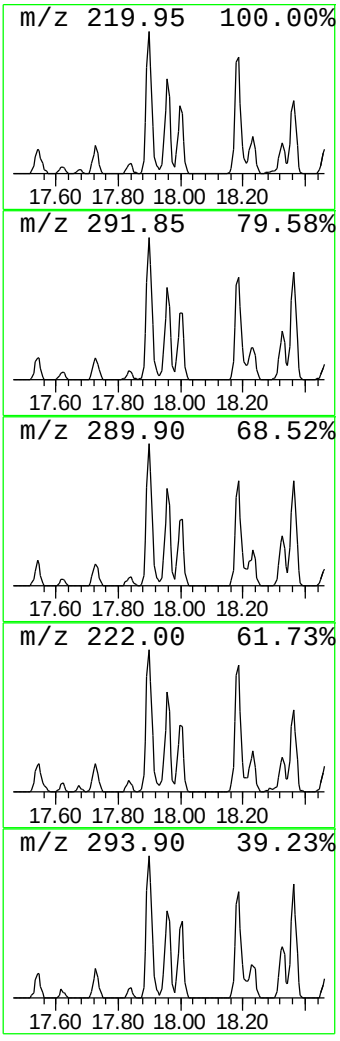
**********

Peak Number 9 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 3.40 ng/ul | 210227 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 3 | 2,3,3',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074472-33-6 | 99 |
| 4 | 2,3',4',5'-Tetrachloro-1,1'-biph... | 290 | C12H6Cl4 | 070362-48-0 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

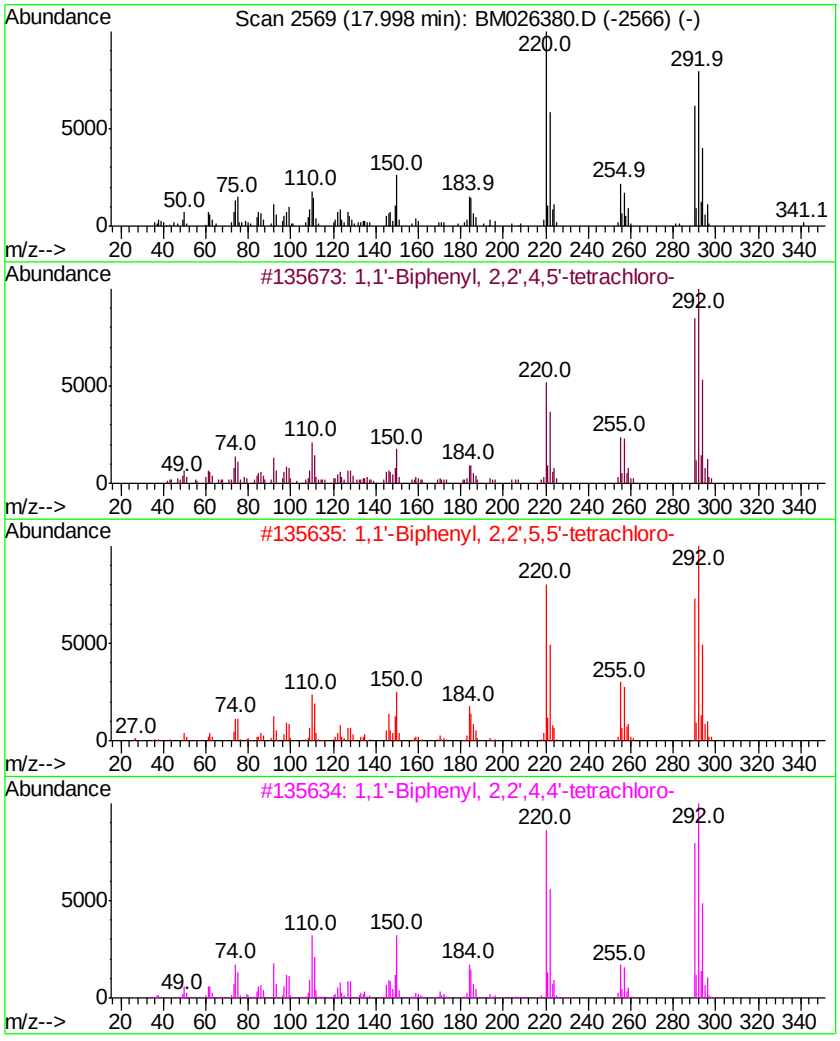
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

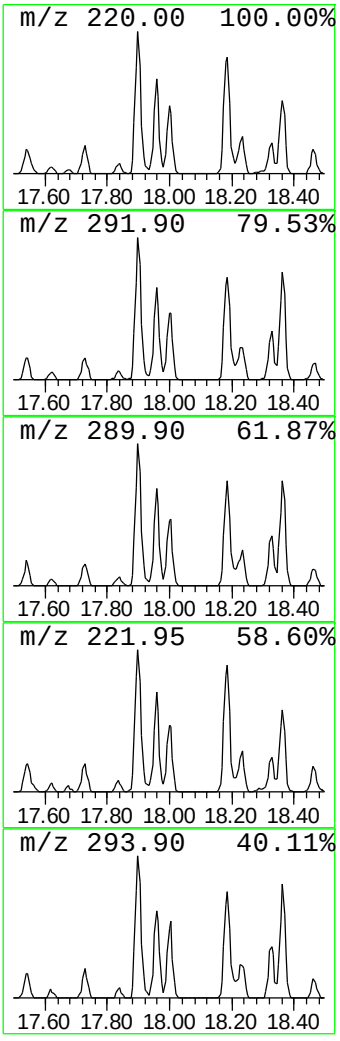
**********

Peak Number 10 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.00 | 2.52 ng/ul | 155797 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-40-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

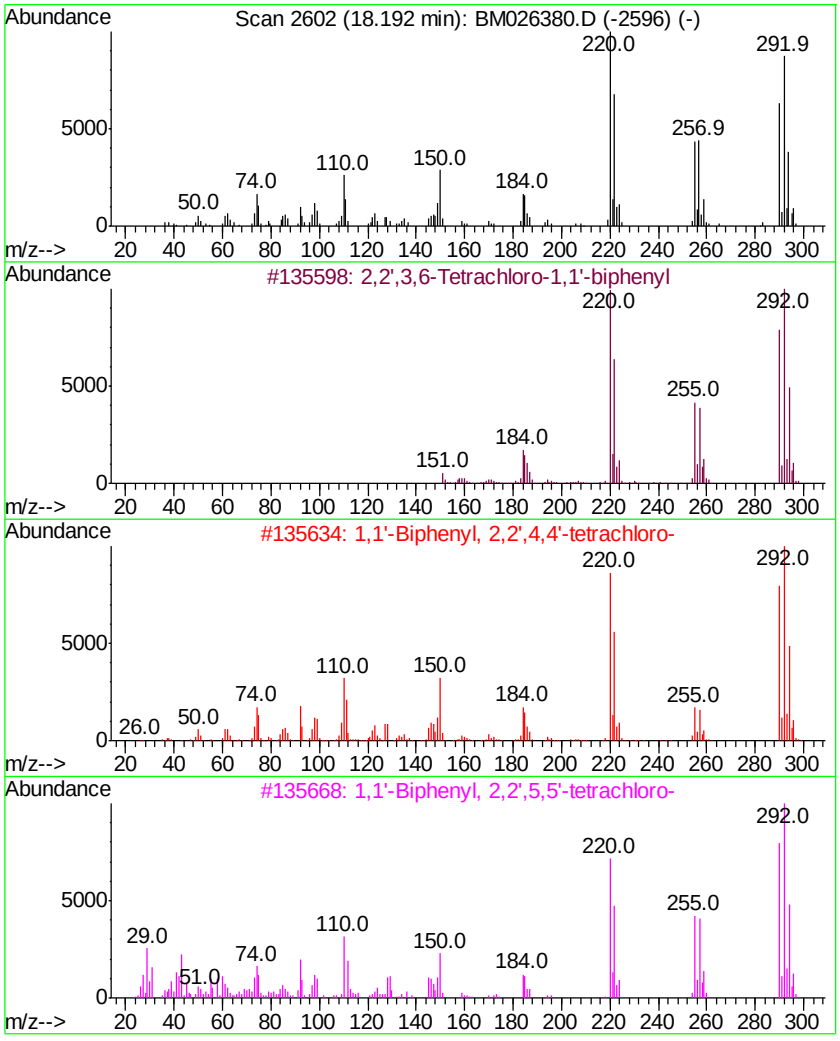
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

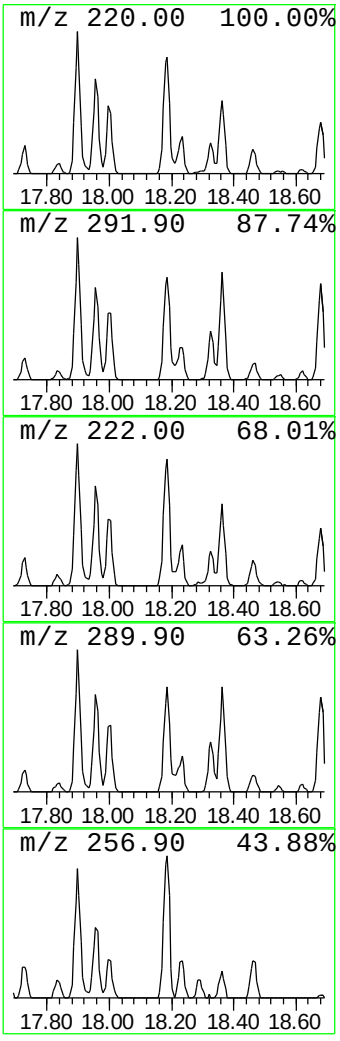
**********

Peak Number 11 2,2',3,6-Tetrachloro-1,1'-b... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 4.88 ng/ul | 301953 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-45-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4-tetrachl... | 290 | C12H6Cl4 | 052663-59-9 | 99 |
| 5 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

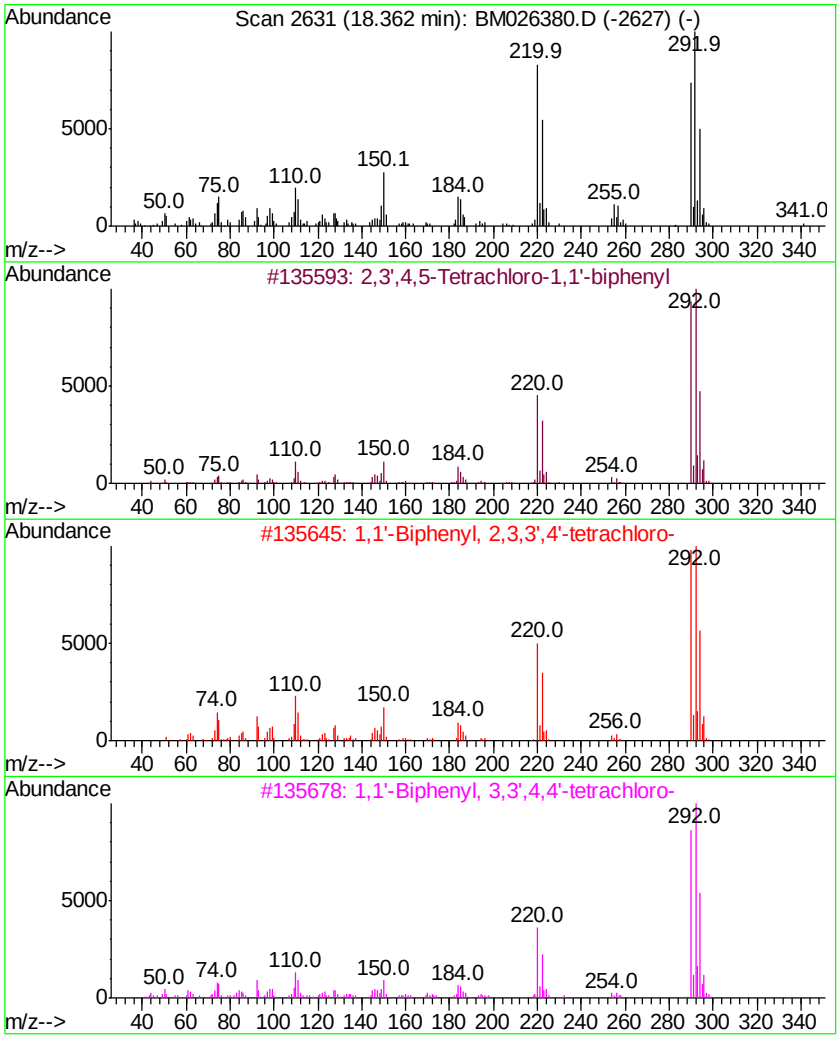
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

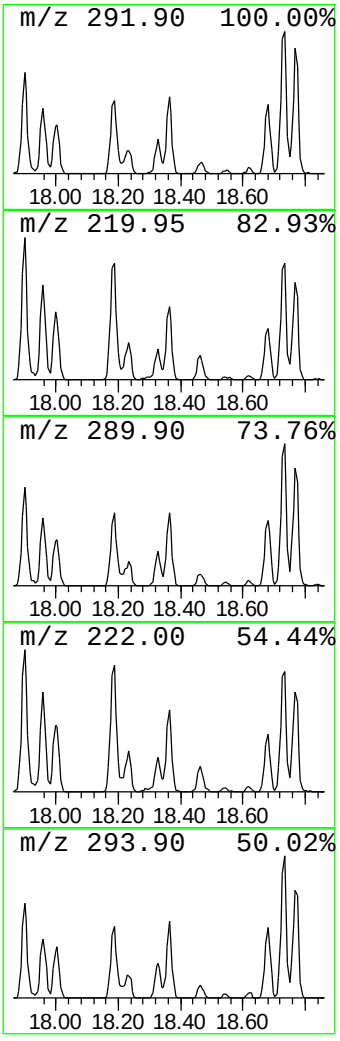
**********

Peak Number 12 2,3',4,5'-Tetrachloro-1,1'-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.36 | 3.20 ng/ul | 198118 | Phenanthrene-d10 | 16.82 |

| 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 | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4 | 041464-43-1 | 99 |
| 3 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 99 |
| 4 | 1,1'-Biphenyl, 3,3',5,5'-tetrach... | 290 | C12H6Cl4 | 033284-52-5 | 99 |
| 5 | 2,3',4,5'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-52-7 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

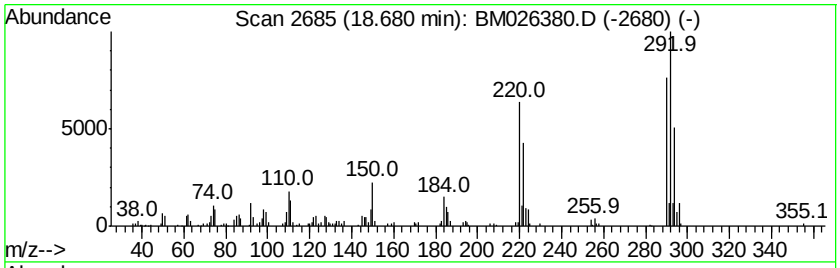
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

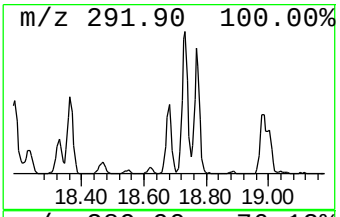
**********

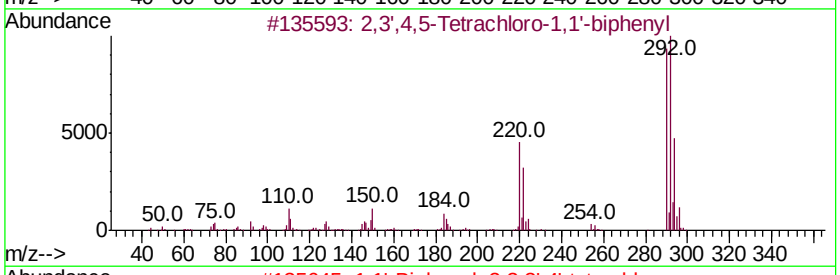
Peak Number 13 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 15

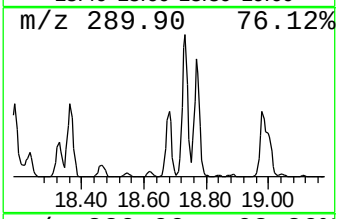
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.68 | 2.51 ng/ul | 155353 | Phenanthrene-d10 | 16.82 |

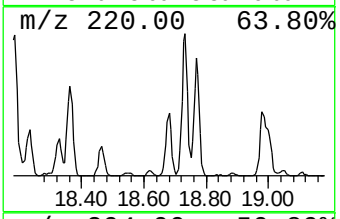
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-53-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4 | 041464-43-1 | 99 |
| 3 | 2,3,3',4-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-24-2 | 99 |
| 4 | 2,3',4,5'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-52-7 | 99 |
| 5 | 1,1'-Biphenyl, 3,3',5,5'-tetrach... | 290 | C12H6Cl4 | 033284-52-5 | 99 |

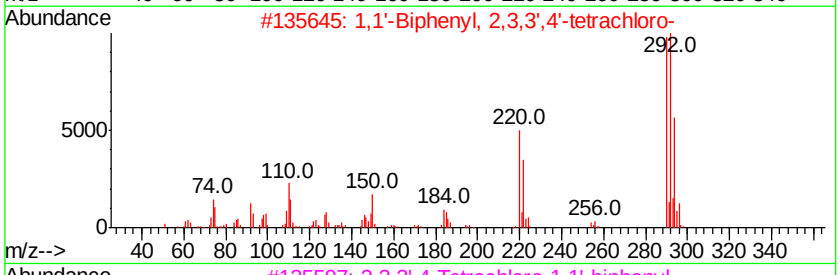


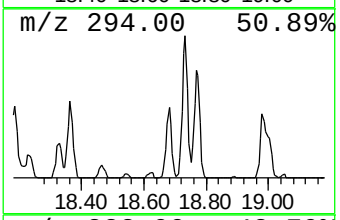



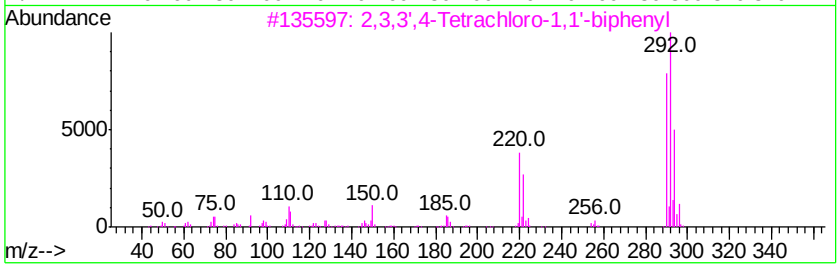



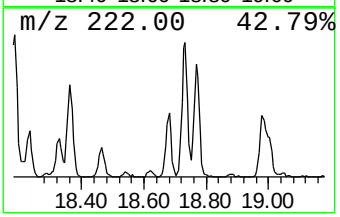



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

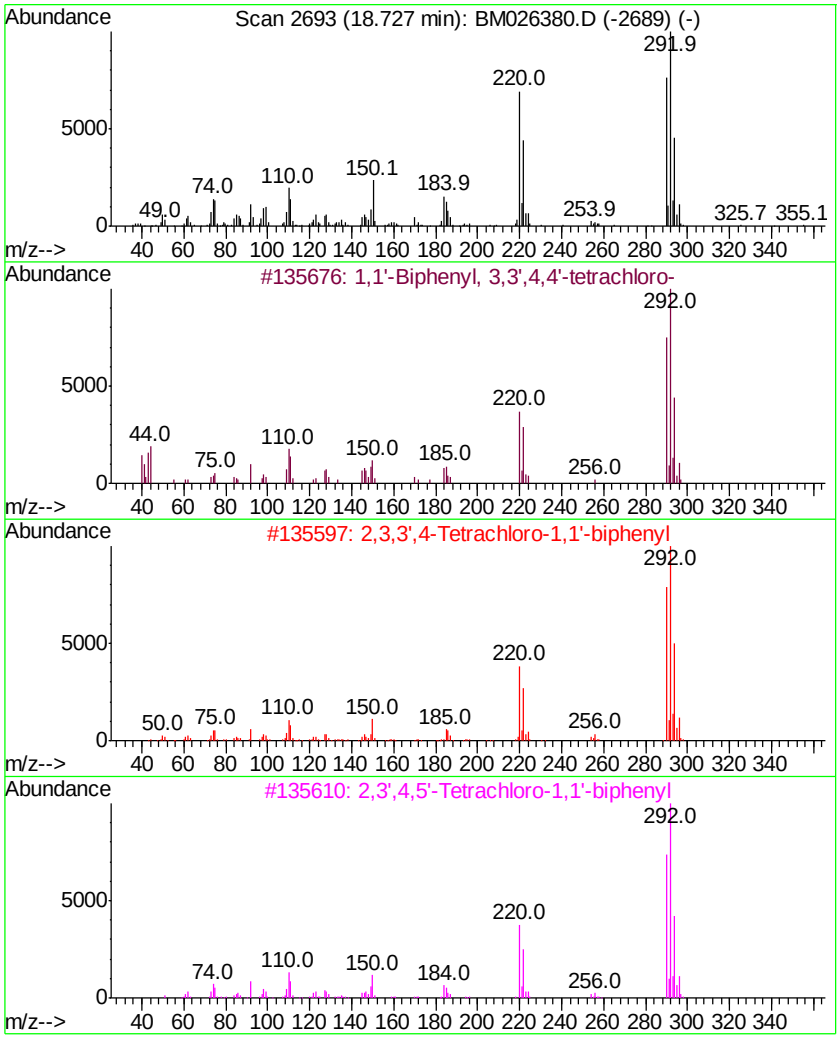
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

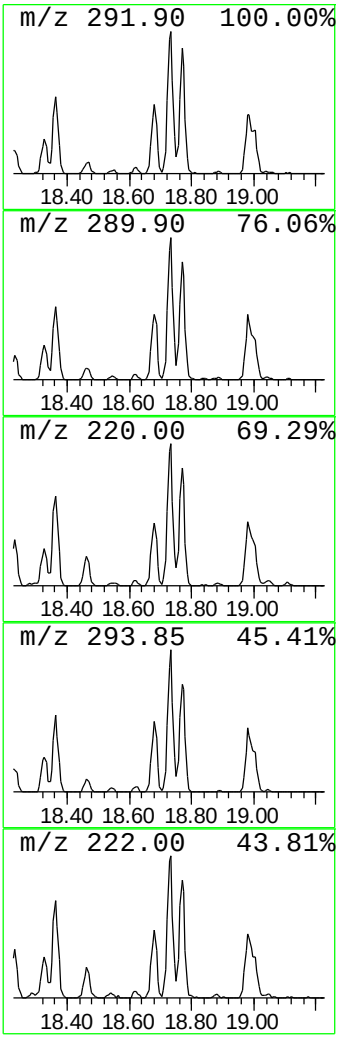
**********

Peak Number 14 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.73 | 6.10 ng/ul | 377408 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 99 |
| 2 | 2,3,3',4-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-24-2 | 99 |
| 3 | 2,3',4,5'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-52-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4 | 041464-46-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4 | 041464-49-7 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

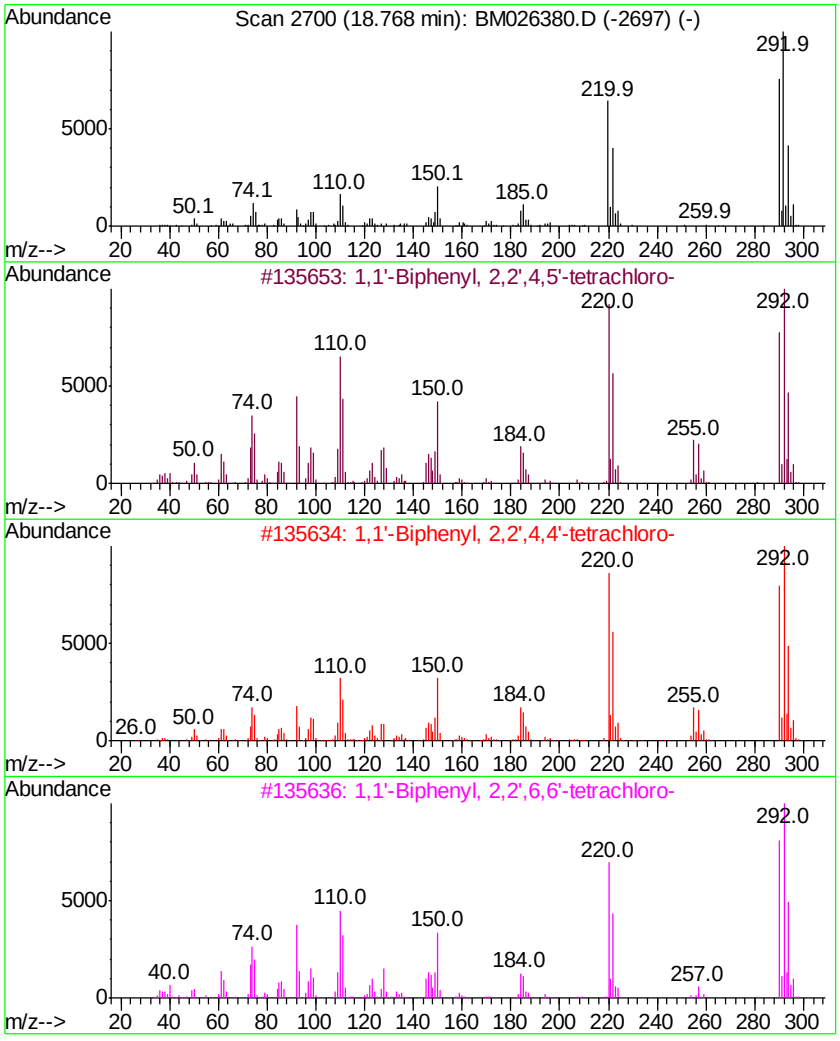
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

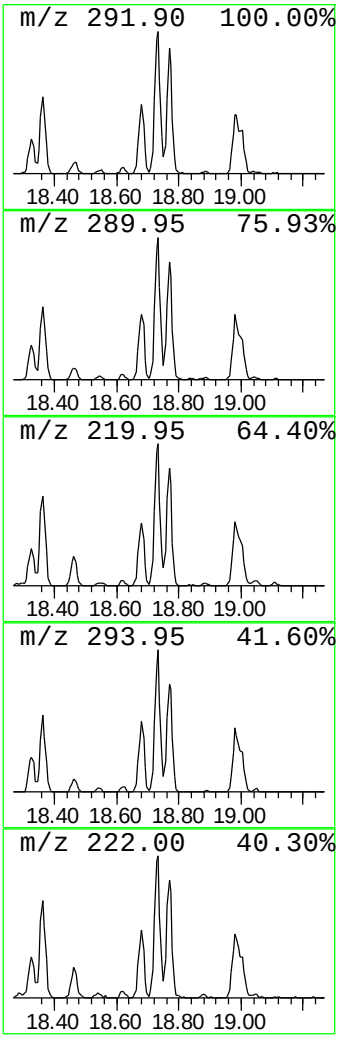
**********

Peak Number 15 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.77 | 4.96 ng/ul | 306725 | Phenanthrene-d10 | 16.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-40-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4 | 041464-46-4 | 98 |
| 5 | 1,1'-Biphenyl, 2,2',5,6'-Tetrach... | 290 | C12H6Cl4 | 041464-41-9 | 98 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

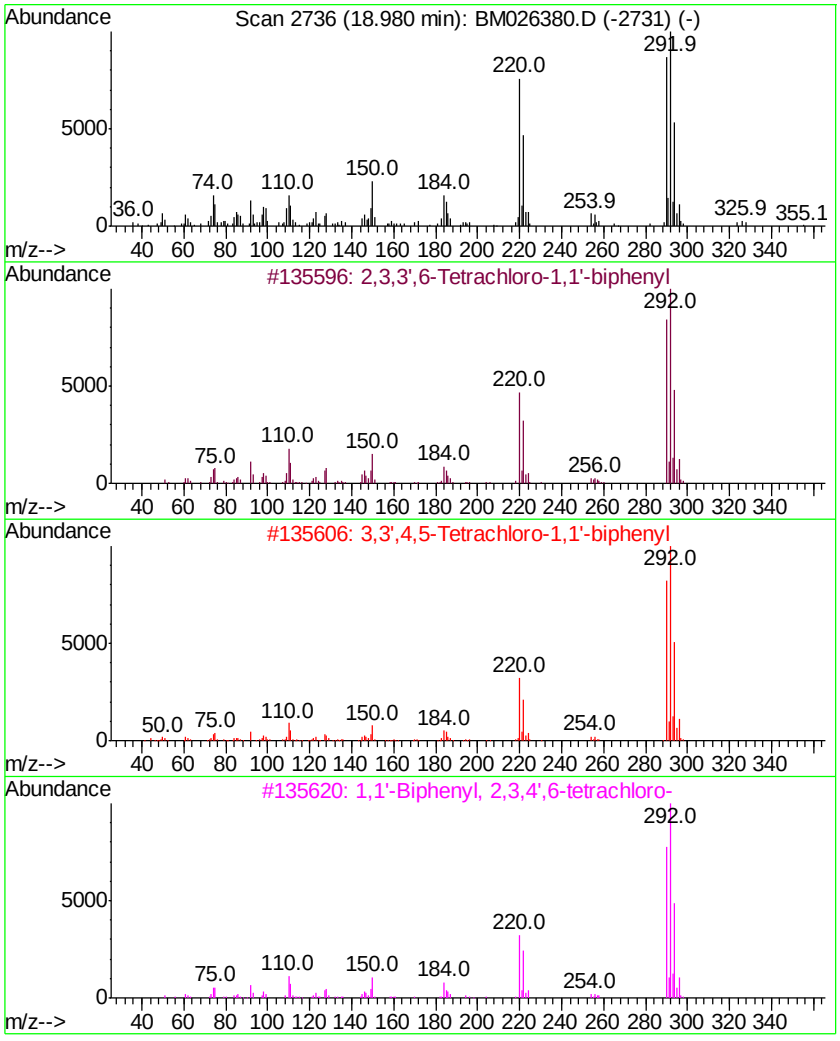
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

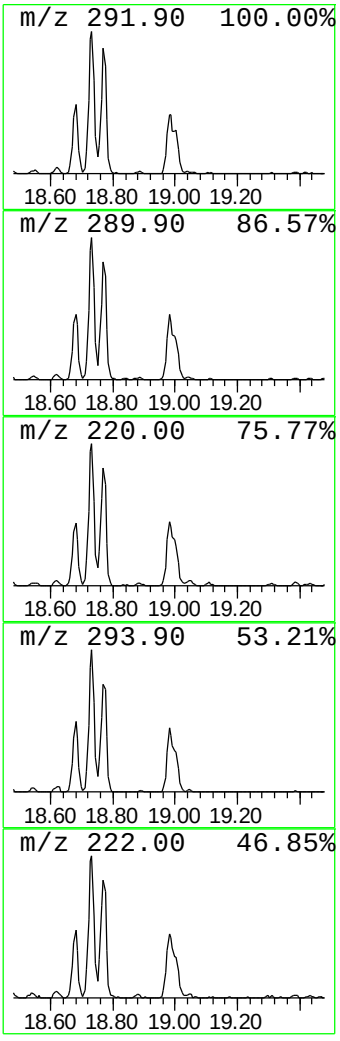
**********

Peak Number 16 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.98 | 3.72 ng/ul | 254106 | Chrysene-d12 | 21.03 |

| 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 | 3,3',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-49-1 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,4',6-tetrachl... | 290 | C12H6Cl4 | 052663-58-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,4,4'-tetrachl... | 290 | C12H6Cl4 | 033025-41-1 | 99 |
| 5 | 2,3',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-53-8 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

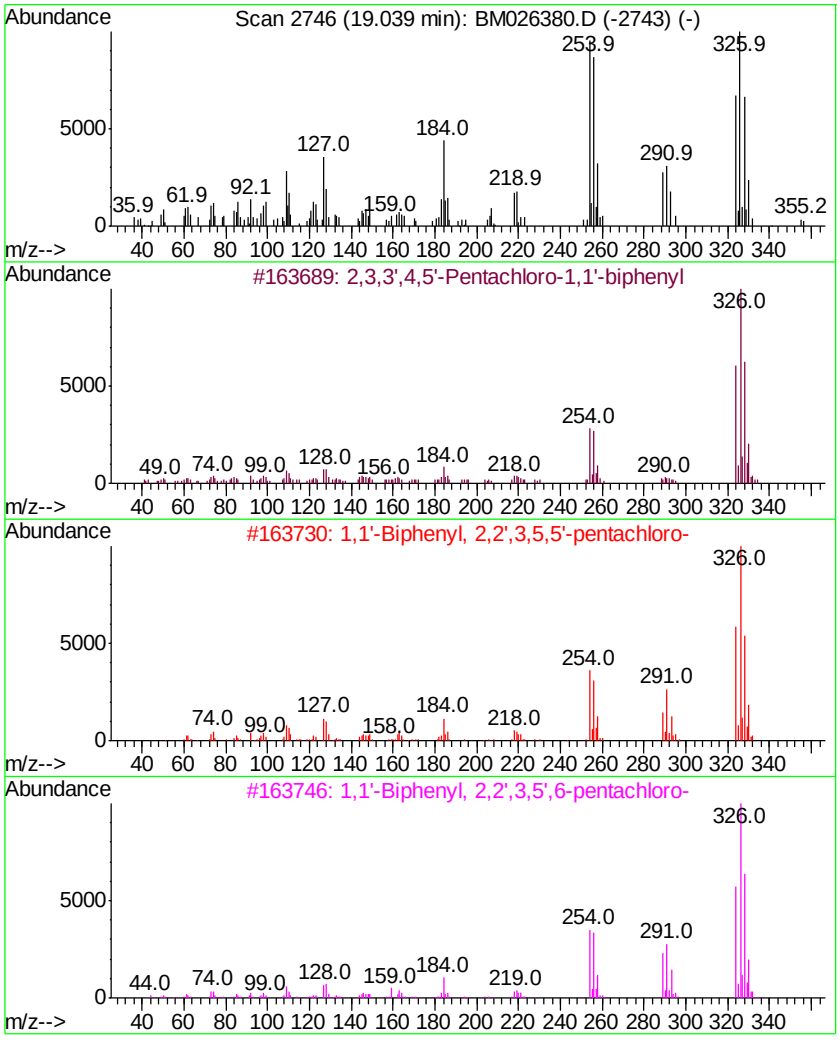
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

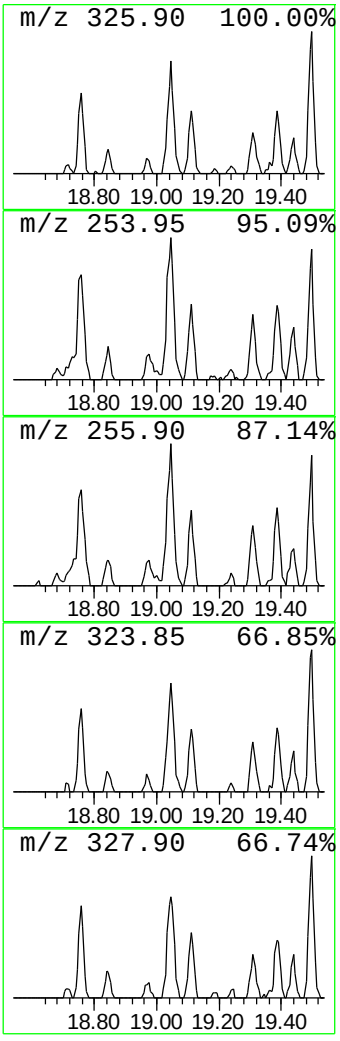
**********

Peak Number 17 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.04 | 2.01 ng/ul | 136932 | Chrysene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 98 |
| 2 | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 98 |
| 3 | 1,1'-Biphenyl, 2,2',3,5',6-penta... | 324 | C12H5Cl5 | 038379-99-6 | 98 |
| 4 | 1,1'-Biphenyl, 2,2',3,5,6-Pentac... | 324 | C12H5Cl5 | 073575-56-1 | 98 |
| 5 | 1,1'-Biphenyl, 2,2',3',4,6-Penta... | 324 | C12H5Cl5 | 060233-25-2 | 98 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061220\
Data File : BM026380.D
Acq On : 12 Jun 2020 16:55
Operator : JU/CG
Sample : L2850-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETTT2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Trisulfide, diethyl | 9.46 | 4.3 | ng/ul | 185243 | 2 | 10.17 | 871811 | 20.0 |
| 1,1'-Biphenyl, 3,... | 16.06 | 2.2 | ng/ul | 137880 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 16.70 | 6.3 | ng/ul | 388254 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.00 | 3.5 | ng/ul | 215564 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.42 | 10.6 | ng/ul | 654698 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.55 | 4.3 | ng/ul | 268072 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.90 | 5.5 | ng/ul | 340989 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.96 | 3.4 | ng/ul | 210227 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.00 | 2.5 | ng/ul | 155797 | 4 | 16.82 | 1237070 | 20.0 |
| 2,2',3,6-Tetrachl... | 18.19 | 4.9 | ng/ul | 301953 | 4 | 16.82 | 1237070 | 20.0 |
| 2,3',4,5'-Tetrach... | 18.36 | 3.2 | ng/ul | 198118 | 4 | 16.82 | 1237070 | 20.0 |
| 2,3',4,5-Tetrachl... | 18.68 | 2.5 | ng/ul | 155353 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 3,... | 18.73 | 6.1 | ng/ul | 377408 | 4 | 16.82 | 1237070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.77 | 5.0 | ng/ul | 306725 | 4 | 16.82 | 1237070 | 20.0 |
| 2,3,3',6-Tetrachl... | 18.98 | 3.7 | ng/ul | 254106 | 5 | 21.03 | 1365020 | 20.0 |
| 2,3,3',4,5'-Penta... | 19.04 | 2.0 | ng/ul | 136932 | 5 | 21.03 | 1365020 | 20.0 |