LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

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-BM082219MA.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 | 6.569 | 605 | 609 | 614 | rBB | 10678 | 13046 | 0.52% | 0.064% |
| 2 | 7.510 | 764 | 769 | 784 | rBB | 40304 | 86537 | 3.42% | 0.426% |
| 3 | 10.287 | 1235 | 1241 | 1258 | rBV | 42684 | 109687 | 4.33% | 0.540% |
| 4 | 14.174 | 1896 | 1902 | 1918 | rBB | 73785 | 140728 | 5.56% | 0.693% |
| 5 | 16.516 | 2297 | 2300 | 2305 | rBB | 2841 | 3944 | 0.16% | 0.019% |
| 6 | 16.939 | 2367 | 2372 | 2388 | rBV2 | 93023 | 149879 | 5.92% | 0.738% |
| 7 | 17.110 | 2398 | 2401 | 2404 | rBB | 2764 | 2990 | 0.12% | 0.015% |
| 8 | 17.539 | 2469 | 2474 | 2479 | rBB3 | 10597 | 17150 | 0.68% | 0.084% |
| 9 | 17.633 | 2487 | 2490 | 2495 | rBB | 6218 | 6524 | 0.26% | 0.032% |
| 10 | 17.780 | 2513 | 2515 | 2519 | rBV | 3329 | 3714 | 0.15% | 0.018% |
| 11 | 17.827 | 2519 | 2523 | 2529 | rVB2 | 4916 | 4934 | 0.19% | 0.024% |
| 12 | 17.992 | 2546 | 2551 | 2557 | rBV | 656478 | 800720 | 31.63% | 3.943% |
| 13 | 18.051 | 2557 | 2561 | 2566 | rVV | 121472 | 159944 | 6.32% | 0.788% |
| 14 | 18.098 | 2566 | 2569 | 2574 | rVB2 | 21679 | 24880 | 0.98% | 0.123% |
| 15 | 18.280 | 2596 | 2600 | 2605 | rBV | 253474 | 314111 | 12.41% | 1.547% |
| 16 | 18.333 | 2605 | 2609 | 2613 | rVB | 12730 | 15723 | 0.62% | 0.077% |
| 17 | 18.421 | 2620 | 2624 | 2627 | rBV2 | 19102 | 19622 | 0.78% | 0.097% |
| 18 | 18.462 | 2627 | 2631 | 2637 | rVV2 | 75686 | 89247 | 3.53% | 0.439% |
| 19 | 18.521 | 2639 | 2641 | 2643 | rBV | 3683 | 3008 | 0.12% | 0.015% |
| 20 | 18.562 | 2643 | 2648 | 2652 | rVB2 | 9849 | 10946 | 0.43% | 0.054% |
| 21 | 18.715 | 2669 | 2674 | 2678 | rVB3 | 2620 | 3375 | 0.13% | 0.017% |
| 22 | 18.774 | 2680 | 2684 | 2689 | rVV | 90784 | 124761 | 4.93% | 0.614% |
| 23 | 18.851 | 2689 | 2697 | 2707 | rVV2 | 1035208 | 1686293 | 66.61% | 8.304% |
| 24 | 18.933 | 2707 | 2711 | 2716 | rVB | 135159 | 147277 | 5.82% | 0.725% |
| 25 | 19.057 | 2728 | 2732 | 2739 | rBV2 | 191125 | 276796 | 10.93% | 1.363% |
| 26 | 19.139 | 2739 | 2746 | 2752 | rVV | 2082454 | 2531652 | 100.00% | 12.467% |
| 27 | 19.198 | 2752 | 2756 | 2761 | rVB | 589728 | 663195 | 26.20% | 3.266% |
| 28 | 19.268 | 2765 | 2768 | 2771 | rVB2 | 10949 | 11528 | 0.46% | 0.057% |
| 29 | 19.327 | 2775 | 2778 | 2783 | rVB2 | 52834 | 55330 | 2.19% | 0.272% |
| 30 | 19.398 | 2786 | 2790 | 2795 | rBV | 420997 | 465271 | 18.38% | 2.291% |
| 31 | 19.480 | 2795 | 2804 | 2809 | rBV | 760741 | 872112 | 34.45% | 4.295% |
| 32 | 19.527 | 2809 | 2812 | 2816 | rVV | 206444 | 265101 | 10.47% | 1.305% |
| 33 | 19.592 | 2816 | 2823 | 2827 | rVV | 2168140 | 2374980 | 93.81% | 11.695% |
| 34 | 19.651 | 2830 | 2833 | 2838 | rVB4 | 9941 | 9624 | 0.38% | 0.047% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

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-BM082219MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.704 | 2838 | 2842 | 2844 | rBV | 86187 | 97808 | 3.86% | 0.482% |
| 36 | 19.733 | 2844 | 2847 | 2856 | rVV3 | 147212 | 286795 | 11.33% | 1.412% |
| 37 | 19.804 | 2856 | 2859 | 2862 | rVV2 | 53747 | 60241 | 2.38% | 0.297% |
| 38 | 19.845 | 2862 | 2866 | 2872 | rVV | 702784 | 851456 | 33.63% | 4.193% |
| 39 | 19.909 | 2872 | 2877 | 2883 | rVV | 1785925 | 1901416 | 75.11% | 9.363% |
| 40 | 19.974 | 2883 | 2888 | 2892 | rVB2 | 55041 | 59671 | 2.36% | 0.294% |
| 41 | 20.051 | 2892 | 2901 | 2905 | rBV | 134147 | 176849 | 6.99% | 0.871% |
| 42 | 20.127 | 2910 | 2914 | 2919 | rVB | 839561 | 921535 | 36.40% | 4.538% |
| 43 | 20.186 | 2919 | 2924 | 2926 | rBV | 376297 | 427431 | 16.88% | 2.105% |
| 44 | 20.221 | 2926 | 2930 | 2936 | rVB | 554398 | 667045 | 26.35% | 3.285% |
| 45 | 20.280 | 2936 | 2940 | 2944 | rBV | 156208 | 173972 | 6.87% | 0.857% |
| 46 | 20.351 | 2948 | 2952 | 2954 | rBV2 | 67832 | 74437 | 2.94% | 0.367% |
| 47 | 20.380 | 2954 | 2957 | 2961 | rVB2 | 66157 | 73012 | 2.88% | 0.360% |
| 48 | 20.451 | 2961 | 2969 | 2979 | rBV | 1264096 | 1712517 | 67.64% | 8.433% |
| 49 | 20.533 | 2979 | 2983 | 2987 | rBV2 | 58344 | 60133 | 2.38% | 0.296% |
| 50 | 20.592 | 2990 | 2993 | 2996 | rVV2 | 35878 | 34204 | 1.35% | 0.168% |
| 51 | 20.656 | 3000 | 3004 | 3007 | rVV3 | 18606 | 20580 | 0.81% | 0.101% |
| 52 | 20.756 | 3017 | 3021 | 3026 | rBV | 302161 | 353350 | 13.96% | 1.740% |
| 53 | 20.862 | 3035 | 3039 | 3045 | rBV6 | 42023 | 47869 | 1.89% | 0.236% |
| 54 | 20.921 | 3045 | 3049 | 3054 | rVV6 | 23049 | 24766 | 0.98% | 0.122% |
| 55 | 20.974 | 3055 | 3058 | 3061 | rVV4 | 12649 | 13903 | 0.55% | 0.068% |
| 56 | 21.009 | 3061 | 3064 | 3069 | rVV | 130501 | 144424 | 5.70% | 0.711% |
| 57 | 21.062 | 3069 | 3073 | 3080 | rVB6 | 26678 | 38466 | 1.52% | 0.189% |
| 58 | 21.151 | 3084 | 3088 | 3101 | rVV2 | 223333 | 334969 | 13.23% | 1.649% |
| 59 | 21.380 | 3123 | 3127 | 3131 | rVB2 | 25985 | 27494 | 1.09% | 0.135% |
| 60 | 21.462 | 3137 | 3141 | 3146 | rBV2 | 78981 | 95477 | 3.77% | 0.470% |
| 61 | 23.344 | 3455 | 3461 | 3468 | rBV2 | 74509 | 162960 | 6.44% | 0.802% |

Sum of corrected areas: 20307409

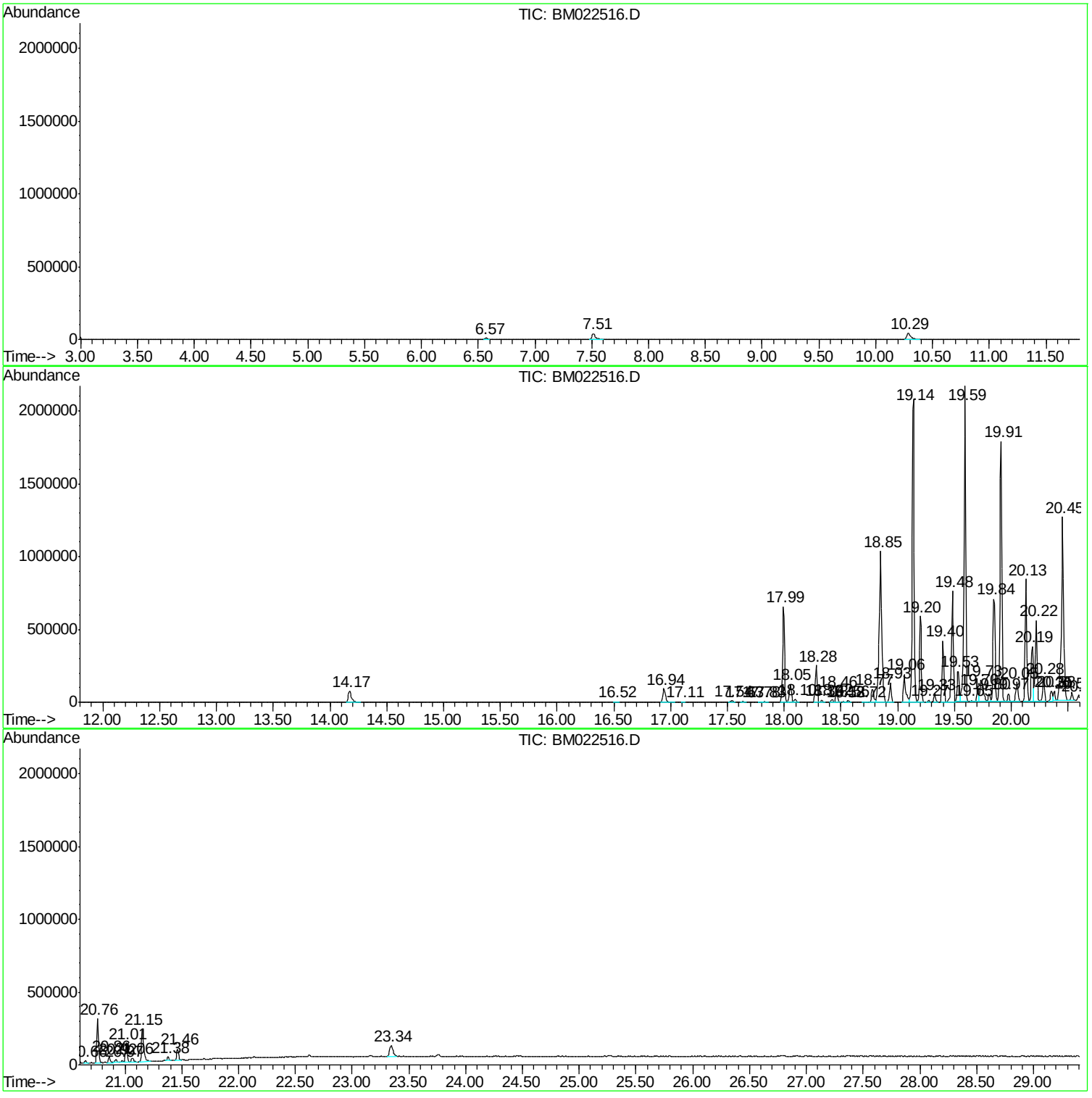
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

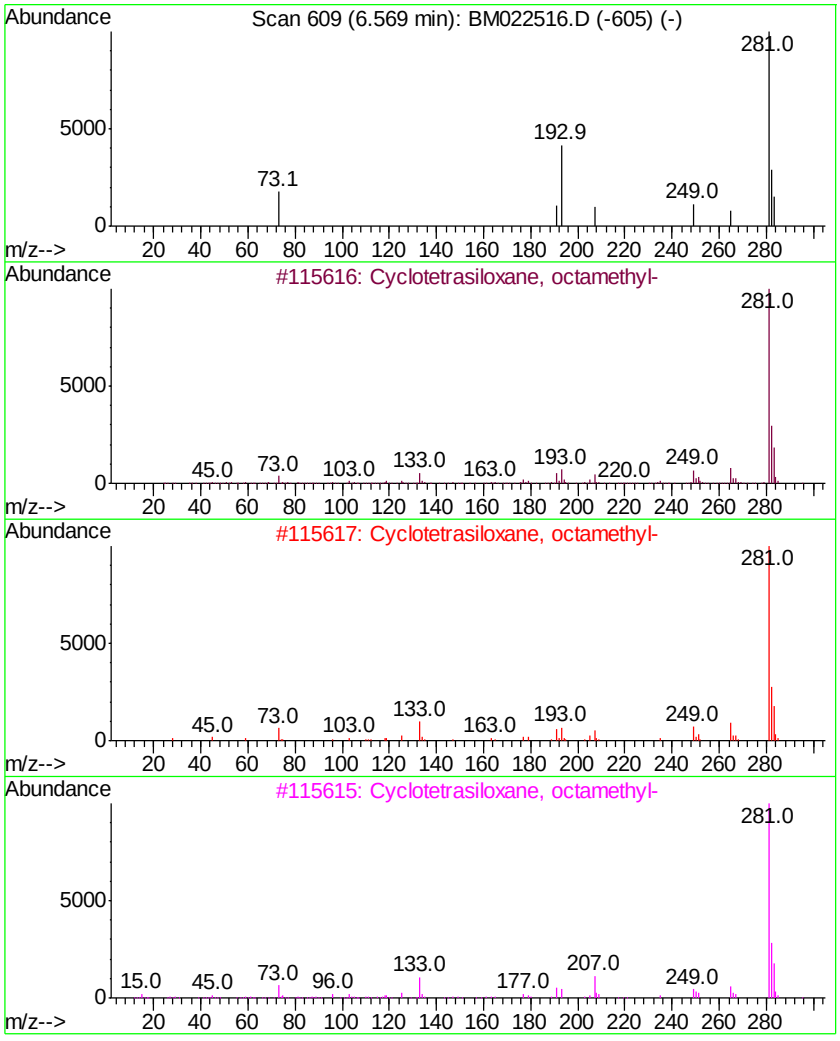
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

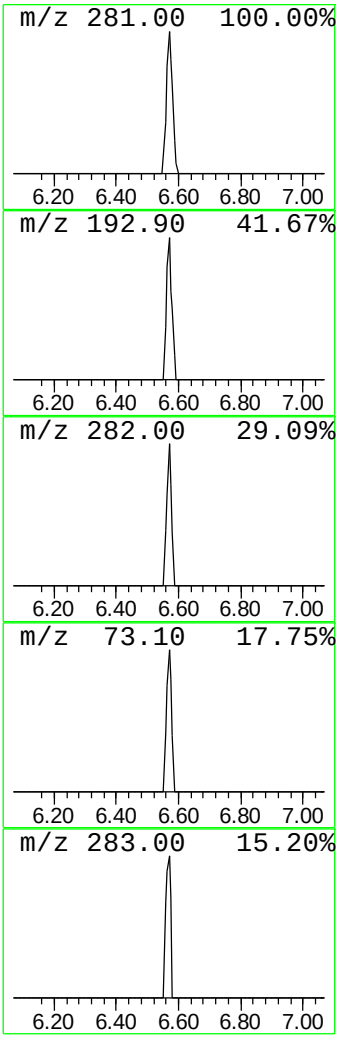
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Cyclotetrasiloxane, octamet... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 3.02 ng/ul | 13046 | 1,4-Dichlorobenzene-d4 | 7.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 50 |
| 2 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 45 |
| 3 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 45 |
| 4 | Benzoic acid, 4-methyl-2-trimeth... | 296 | C14H24O3Si2 | 1000153-59-3 | 33 |
| 5 | Benzoic acid, 5-methyl-2-trimeth... | 296 | C14H24O3Si2 | 1000153-59-4 | 33 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

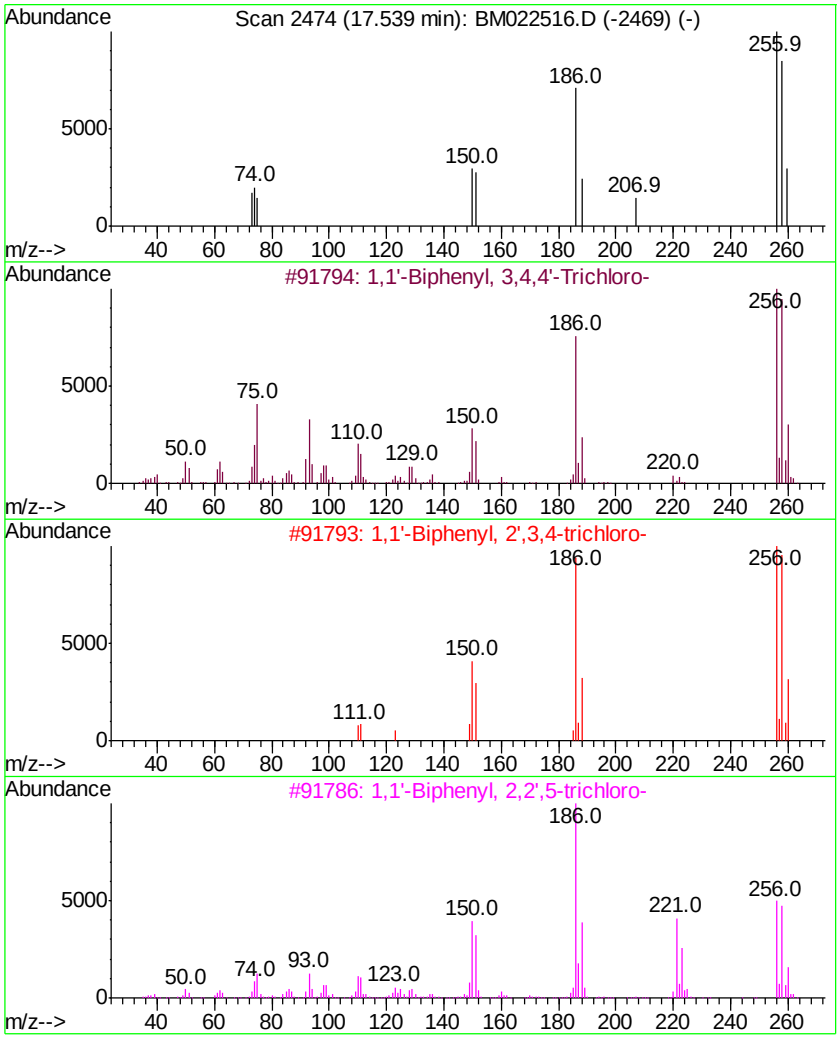
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

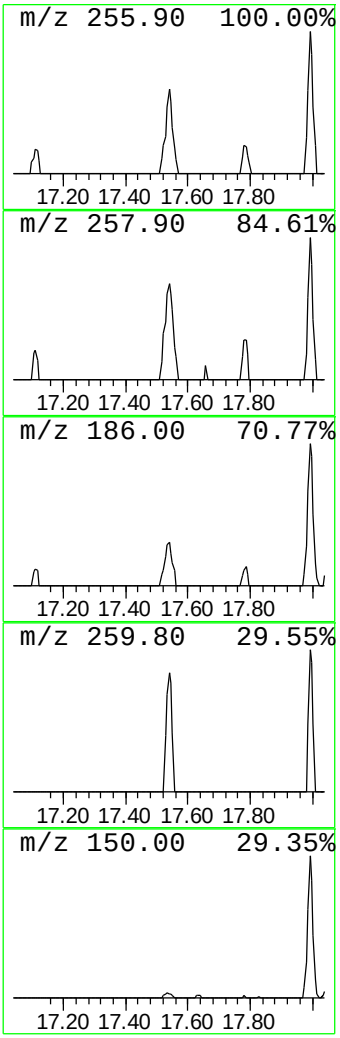
**********

Peak Number 2 1,1'-Biphenyl, 3,4,4'-Trich... Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.54 | 2.29 ng/ul | 17150 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 3,4,4'-Trichloro- | 256 | C12H7Cl3 | 038444-90-5 | 91 |
| 2 | 1,1'-Biphenyl, 2',3,4-trichloro- | 256 | C12H7Cl3 | 038444-86-9 | 91 |
| 3 | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3 | 037680-65-2 | 91 |
| 4 | 1,1'-Biphenyl, 2,2',6-trichloro- | 256 | C12H7Cl3 | 038444-73-4 | 83 |
| 5 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

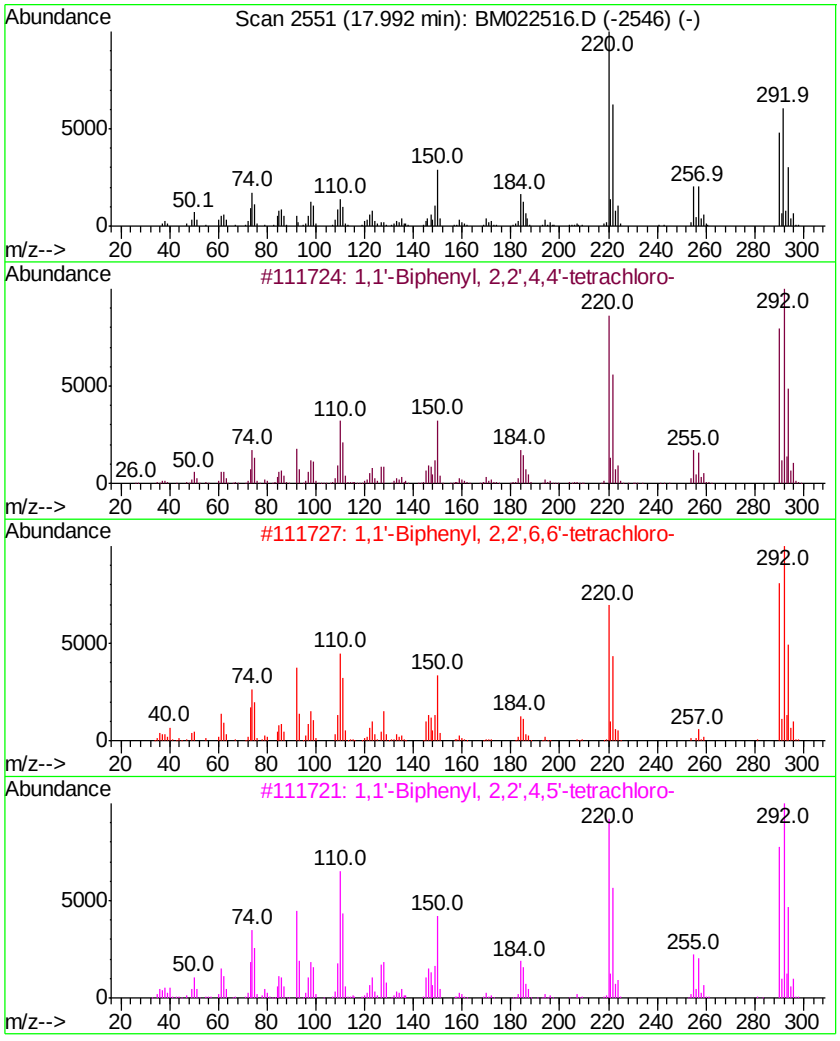
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

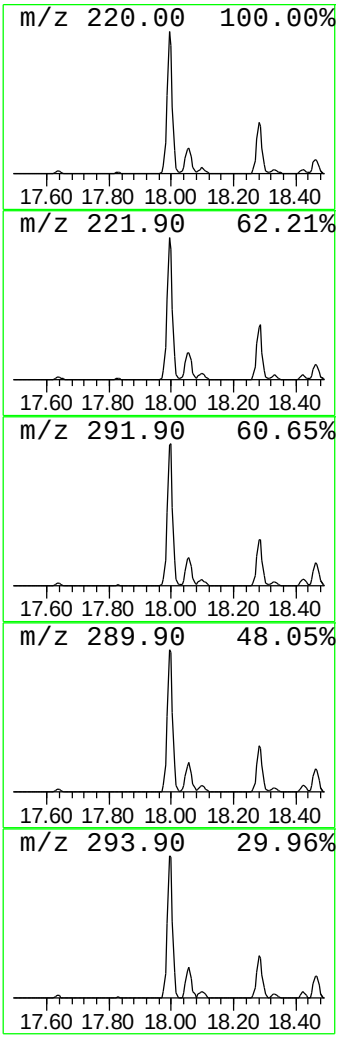
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 106.85 ng/ul | 800720 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-40-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',5,6-Tetrachl... | 290 | C12H6Cl4 | 041464-41-9 | 98 |
| 5 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

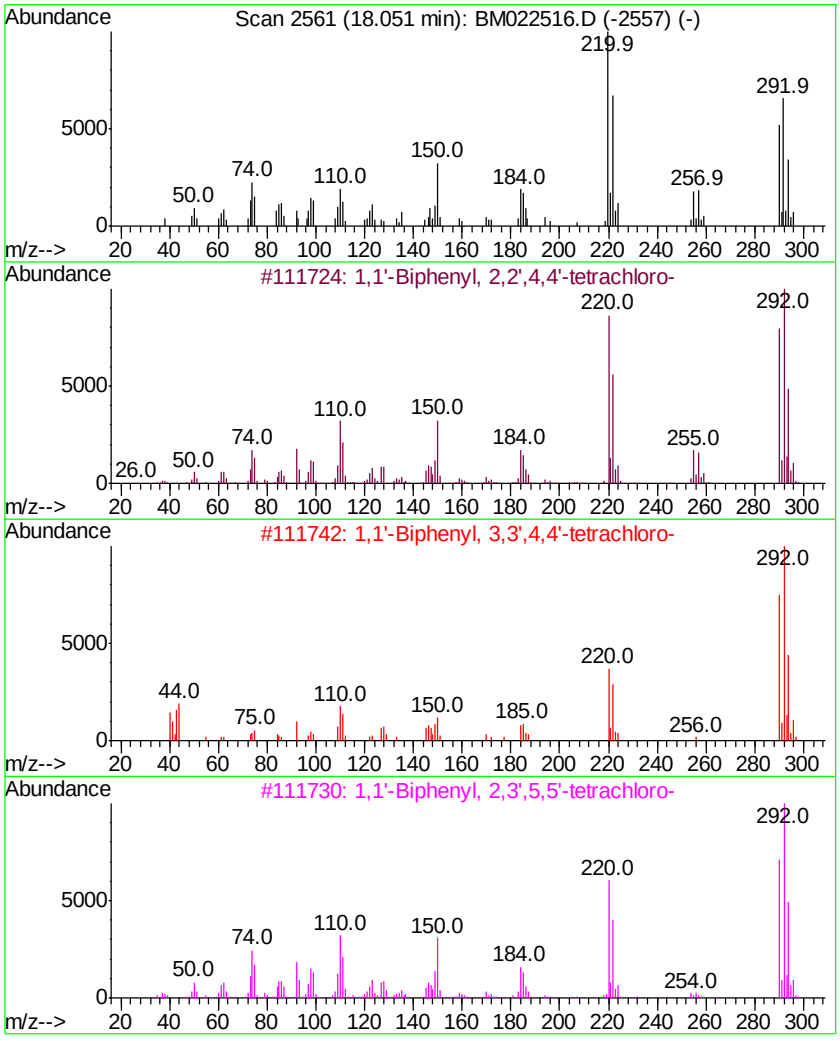
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

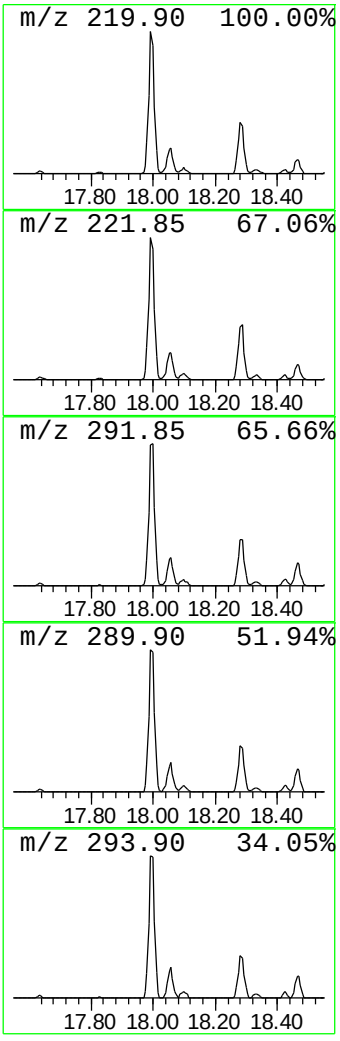
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 21.34 ng/ul | 159944 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 2 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 98 |
| 3 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 98 |
| 4 | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-40-8 | 98 |
| 5 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

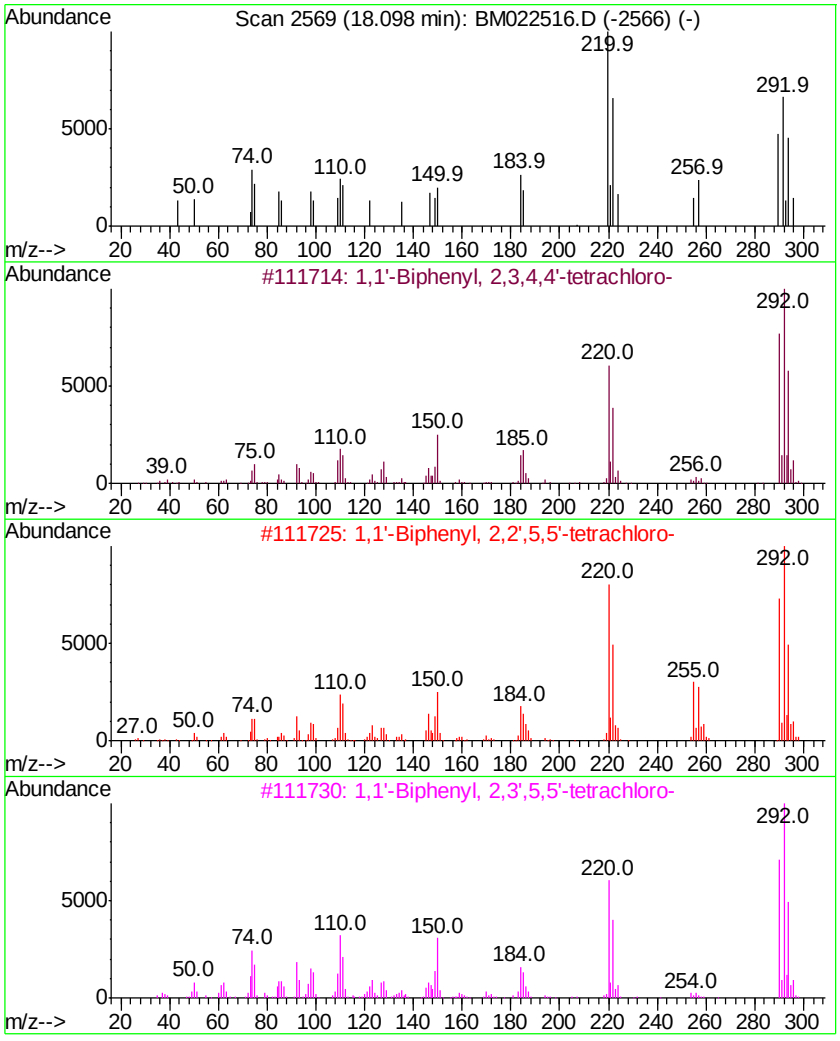
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

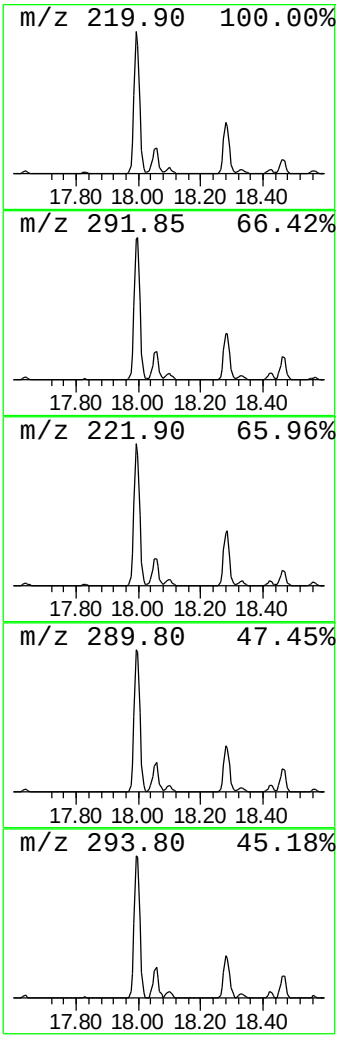
**********

Peak Number 5 1,1'-Biphenyl, 2,3,4,4'-tet... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.10 | 3.32 ng/ul | 24880 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,4,4'-tetrachl... | 290 | C12H6Cl4 | 033025-41-1 | 93 |
| 2 | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4 | 035693-99-3 | 93 |
| 3 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 92 |
| 4 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 90 |
| 5 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

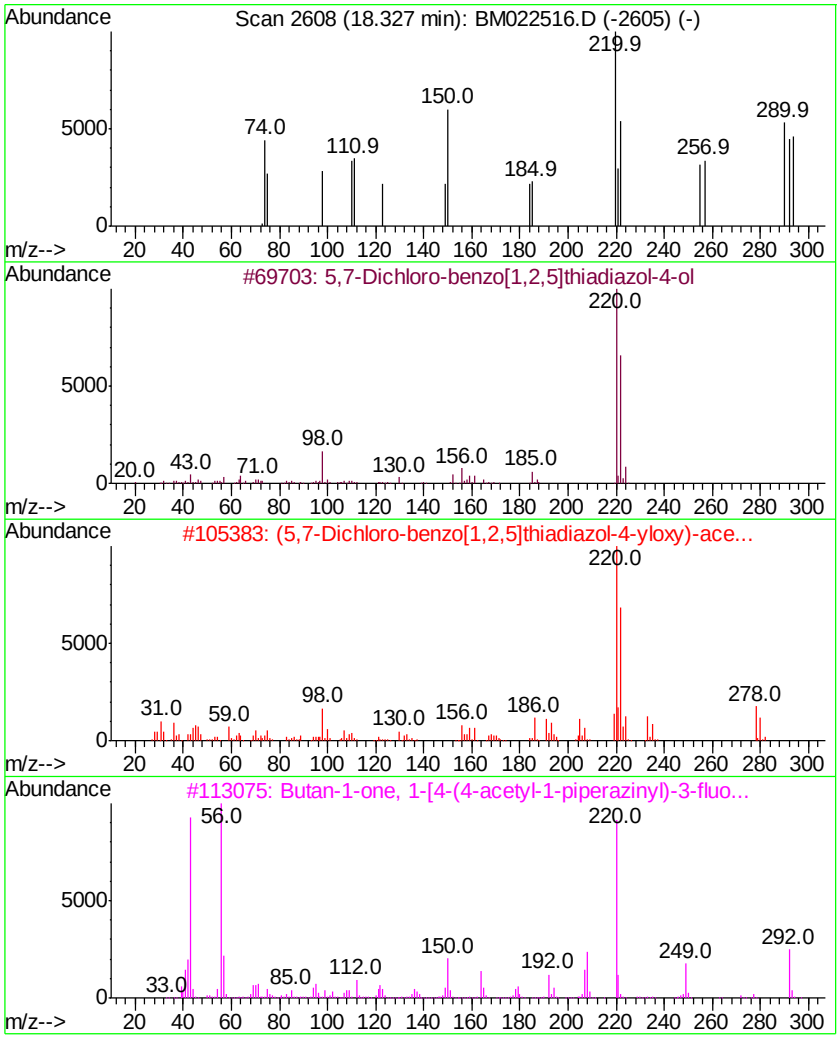
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

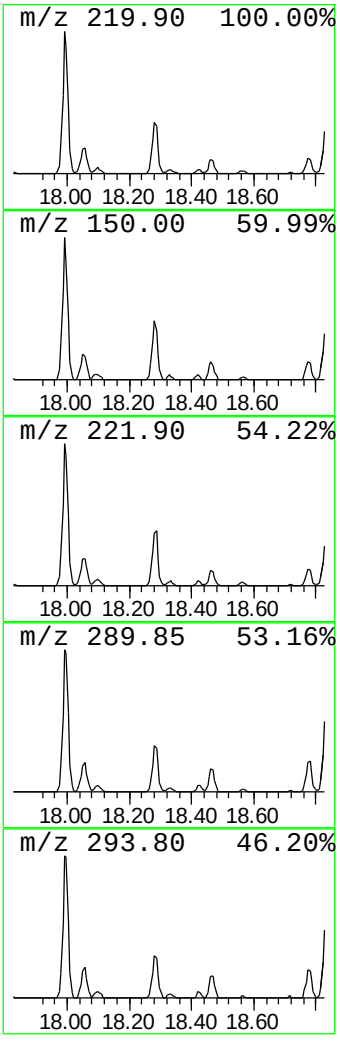
**********

Peak Number 7 unknown-01 Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.33 | 2.10 ng/ul | 15723 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,7-Dichloro-benzo[1,2,5]thiadia... | 220 | C6H2Cl2N2OS | 016407-74-2 | 25 |
| 2 | (5,7-Dichloro-benzo[1,2,5]thiadi... | 278 | C8H4Cl2N2O3S | 016407-77-5 | 23 |
| 3 | Butan-1-one, 1-[4-(4-acetyl-1-pi... | 292 | C16H21FN2O2 | 1000277-52-2 | 17 |
| 4 | Flavone | 222 | C15H10O2 | 000525-82-6 | 10 |
| 5 | 3,7-Diamino-5H-dibenzo[a,d]cyclo... | 222 | C15H14N2 | 1000227-39-5 | 10 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

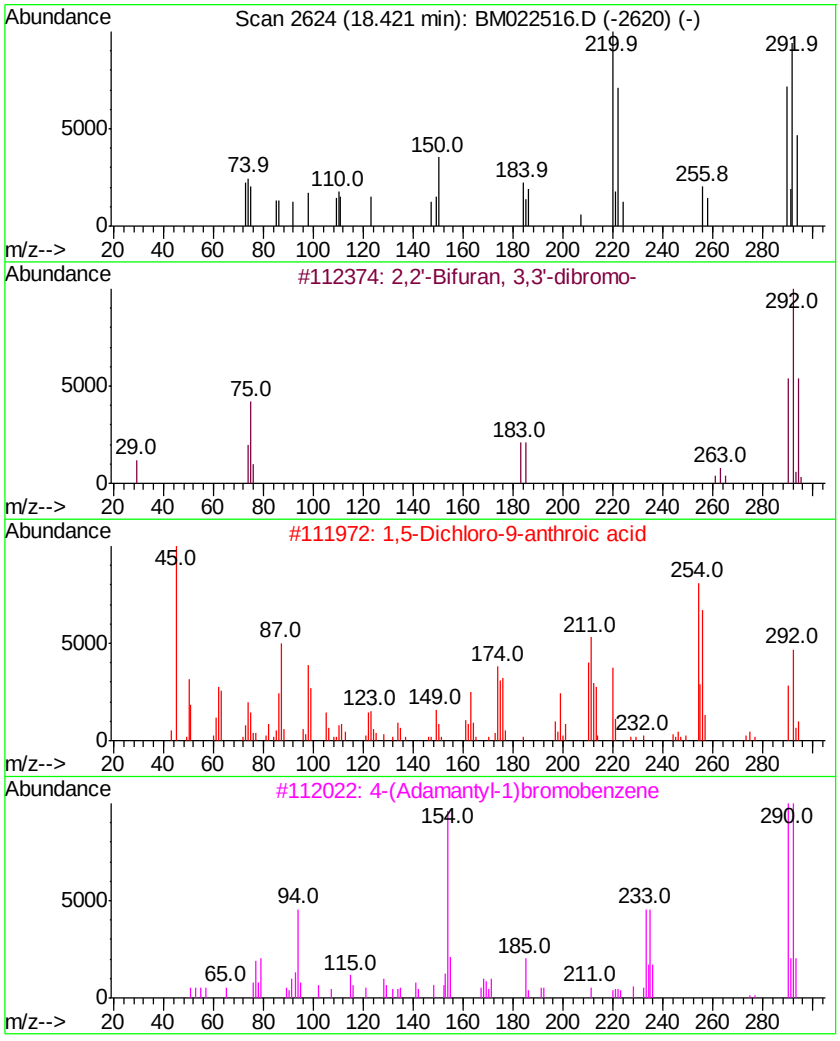
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

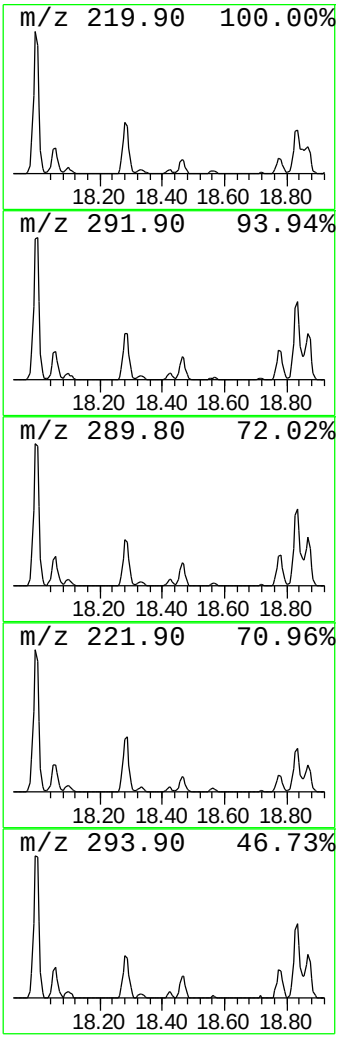
**********

Peak Number 8 unknown-02 Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.42 | 2.62 ng/ul | 19622 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2'-Bifuran, 3,3'-dibromo- | 290 | C8H4Br2O2 | 066721-51-5 | 35 |
| 2 | 1,5-Dichloro-9-anthroic acid | 290 | C15H8Cl2O2 | 1000251-19-4 | 28 |
| 3 | 4-(Adamantyl-1)bromobenzene | 290 | C16H19Br | 002245-43-4 | 27 |
| 4 | 5,7-Dichloro-benzo[1,2,5]thiadia... | 220 | C6H2Cl2N2OS | 016407-74-2 | 22 |
| 5 | (5,7-Dichloro-benzo[1,2,5]thiadi... | 278 | C8H4Cl2N2O3S | 016407-77-5 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

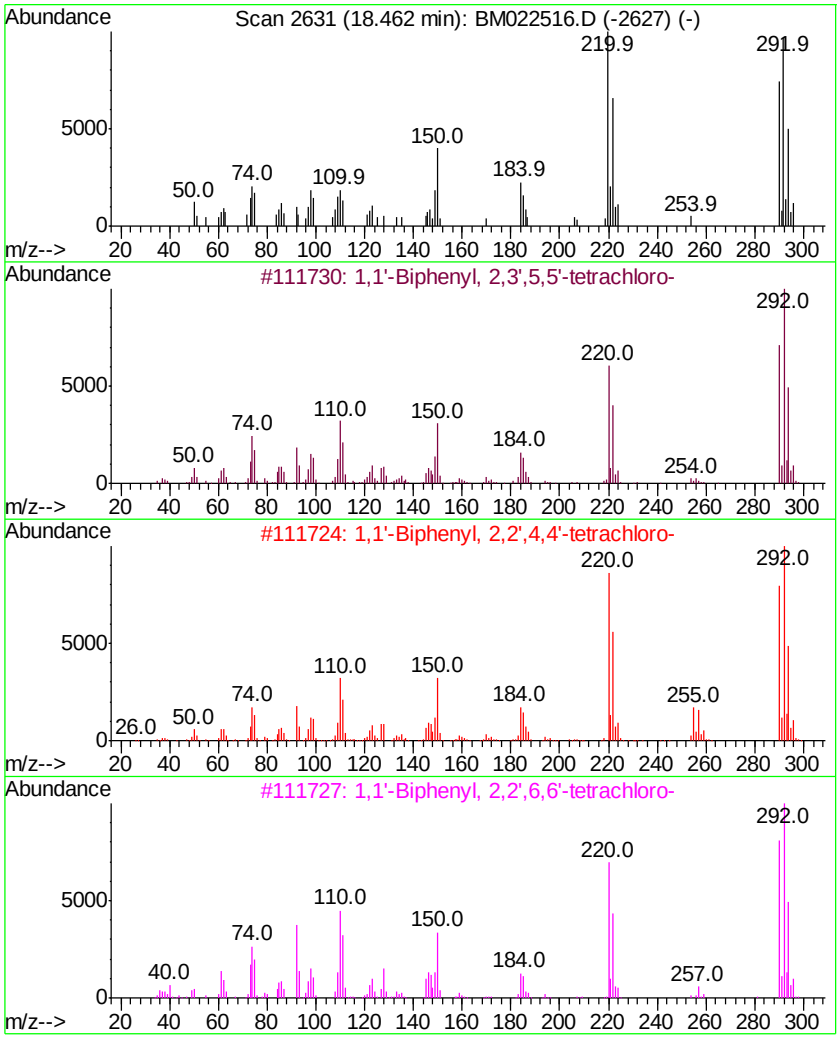
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

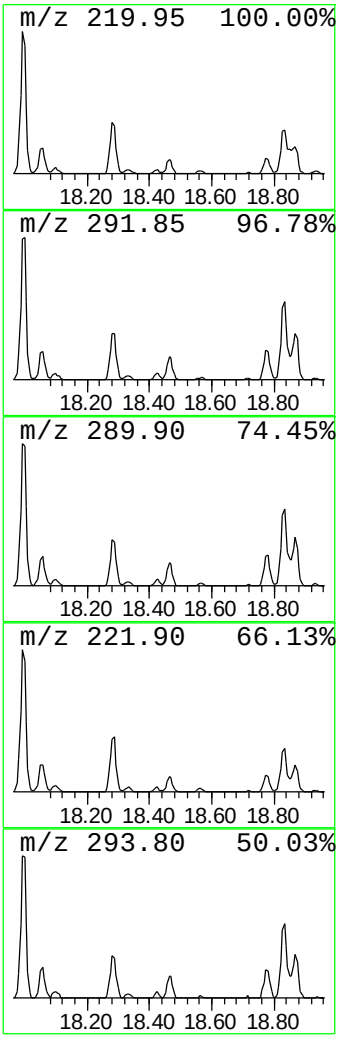
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.46 | 11.91 ng/ul | 89247 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 98 |
| 3 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 96 |
| 4 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 96 |
| 5 | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4 | 041464-43-1 | 96 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

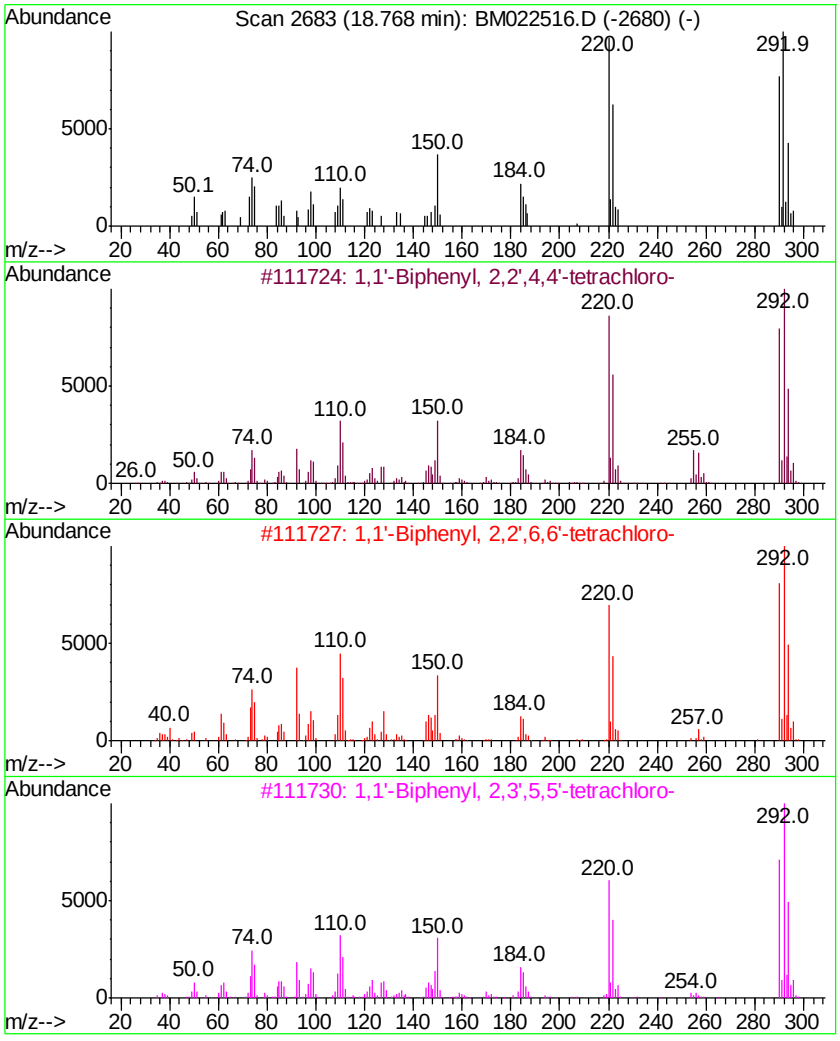
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

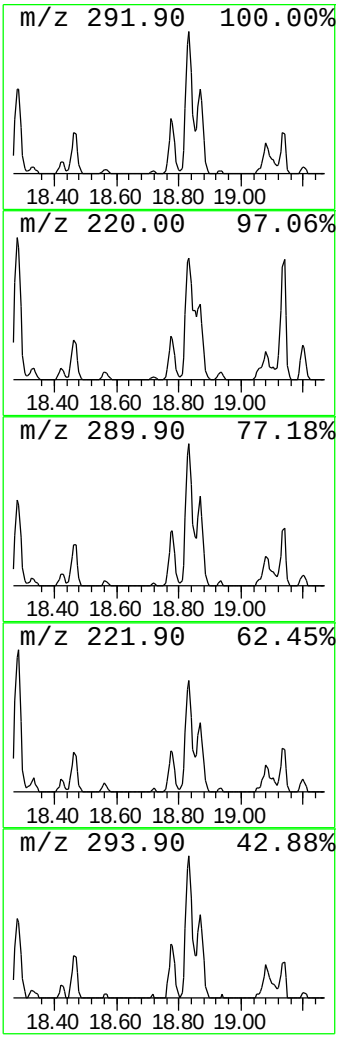
**********

Peak Number 10 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.77 | 16.65 ng/ul | 124761 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-40-8 | 98 |
| 5 | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4 | 032598-13-3 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

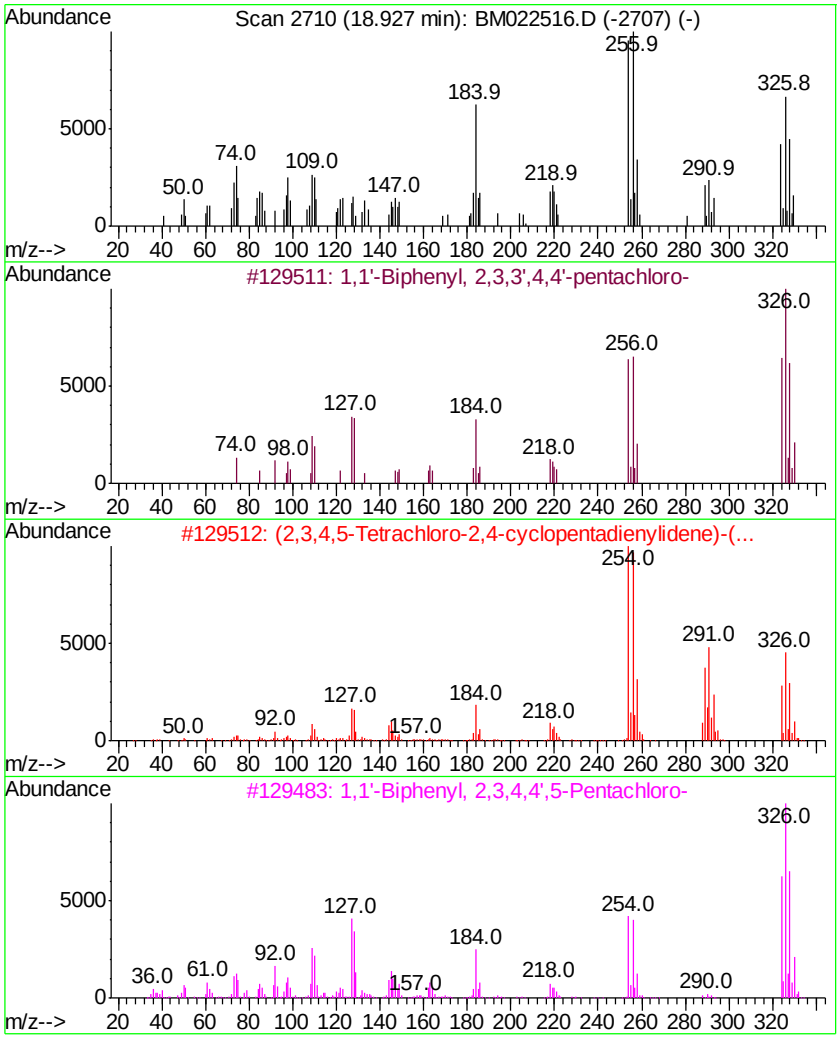
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

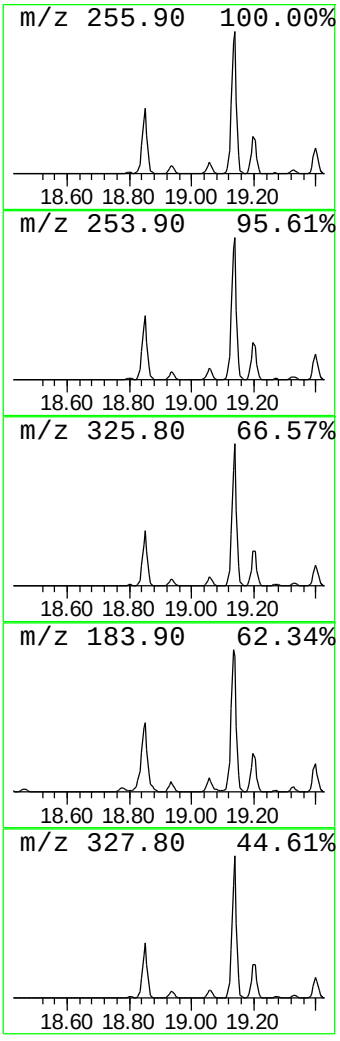
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.93 | 19.65 ng/ul | 147277 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 95 |
| 2 | (2,3,4,5-Tetrachloro-2,4-cyclope... | 324 | C12H5Cl5 | 029887-33-0 | 95 |
| 3 | 1,1'-Biphenyl, 2,3,4,4',5-Pentac... | 324 | C12H5Cl5 | 074472-37-0 | 95 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 94 |
| 5 | 1,1'-Biphenyl, 2,3',4,5',6-Penta... | 324 | C12H5Cl5 | 056558-18-0 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

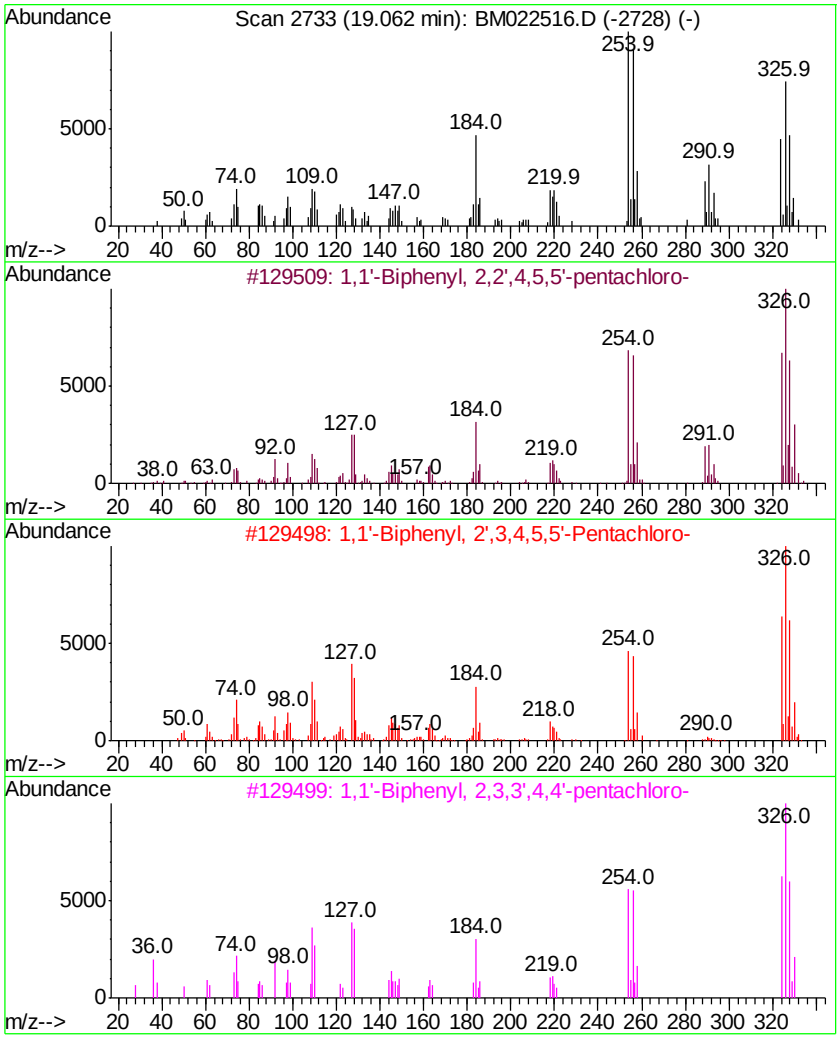
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

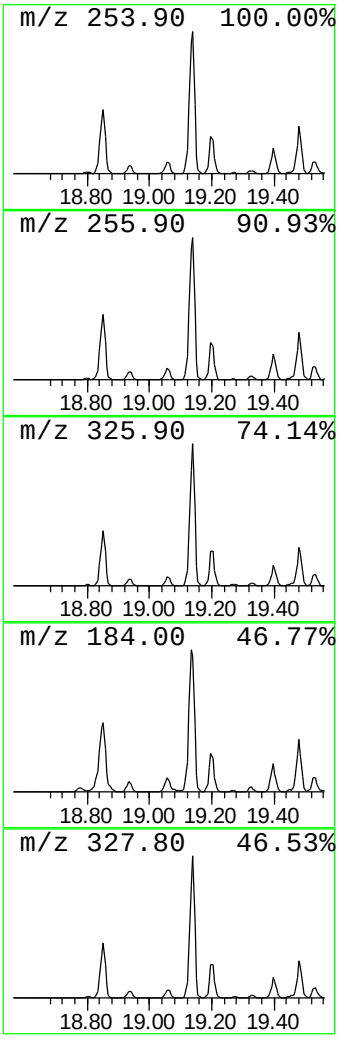
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.06 | 16.53 ng/ul | 276796 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5 | 037680-73-2 | 99 |
| 2 | 1,1'-Biphenyl, 2',3,4,5,5'-Penta... | 324 | C12H5Cl5 | 070424-70-3 | 95 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 95 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,6-Pentac... | 324 | C12H5Cl5 | 055215-17-3 | 94 |
| 5 | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

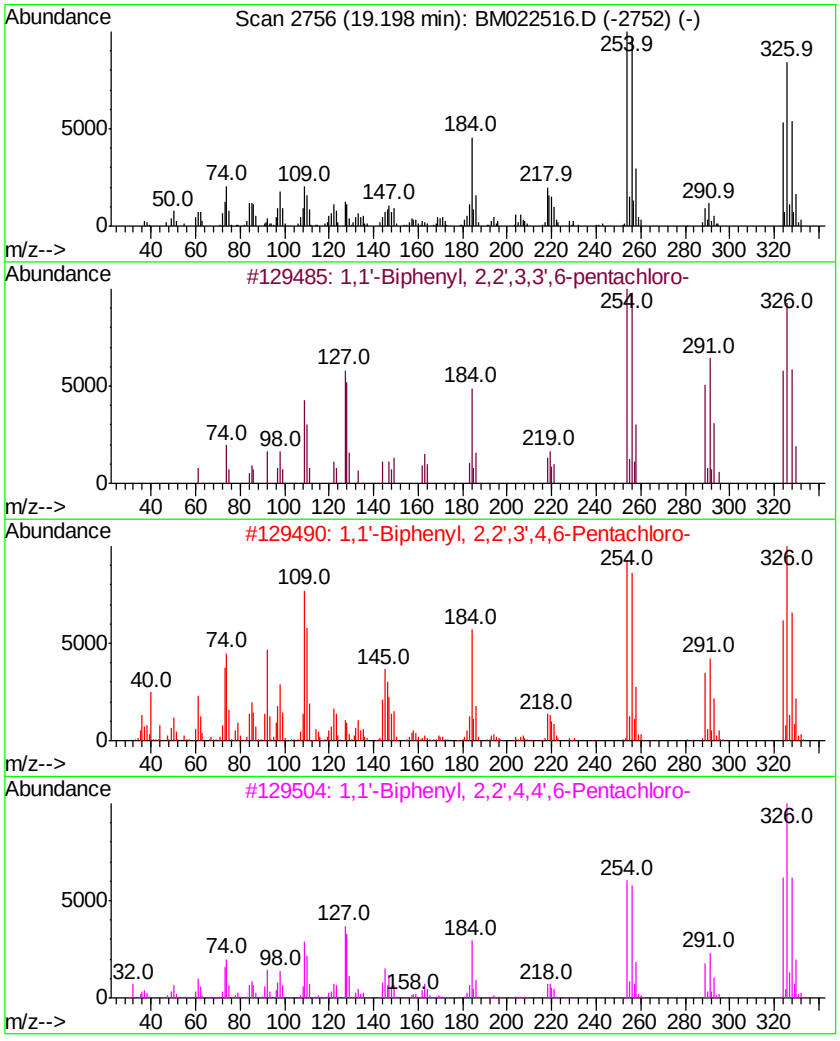
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

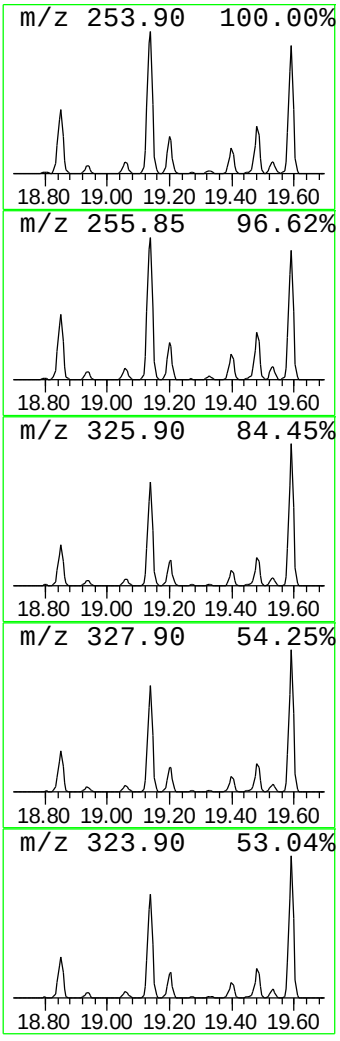
**********

Peak Number 15 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.20 | 39.60 ng/ul | 663195 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',6-penta... | 324 | C12H5Cl5 | 052663-60-2 | 95 |
| 2 | 1,1'-Biphenyl, 2,2',3',4,6-Penta... | 324 | C12H5Cl5 | 060233-25-2 | 95 |
| 3 | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324 | C12H5Cl5 | 039485-83-1 | 95 |
| 4 | 1,1'-Biphenyl, 2,2',3,5',6-penta... | 324 | C12H5Cl5 | 038379-99-6 | 95 |
| 5 | 1,1'-Biphenyl, 2,3,4,4',5-Pentac... | 324 | C12H5Cl5 | 074472-37-0 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

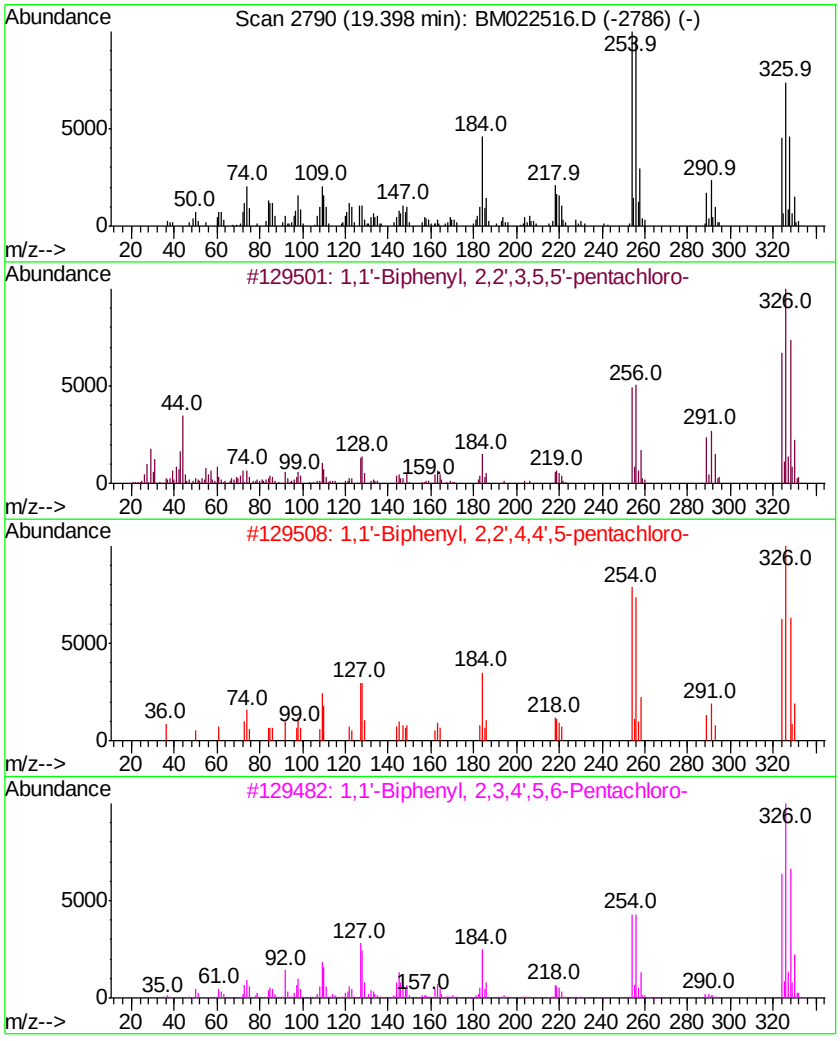
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

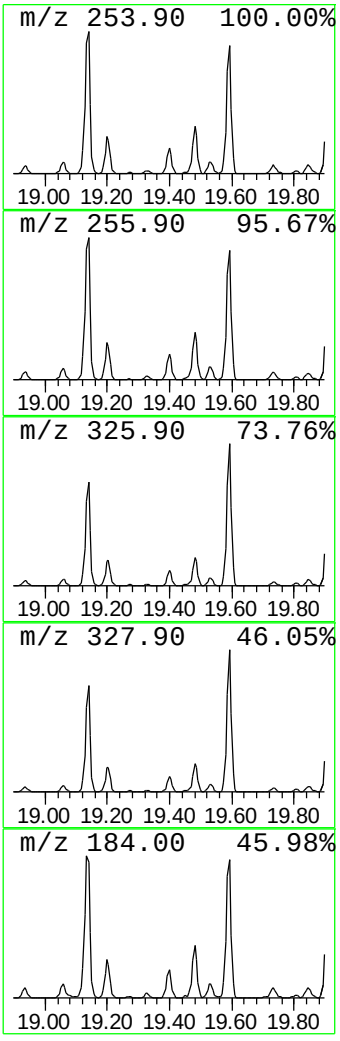
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.40 | 27.78 ng/ul | 465271 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 96 |
| 2 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 96 |
| 3 | 1,1'-Biphenyl, 2,3,4',5,6-Pentac... | 324 | C12H5Cl5 | 068194-11-6 | 95 |
| 4 | (2,3,4,5-Tetrachloro-2,4-cyclope... | 324 | C12H5Cl5 | 029887-33-0 | 95 |
| 5 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 95 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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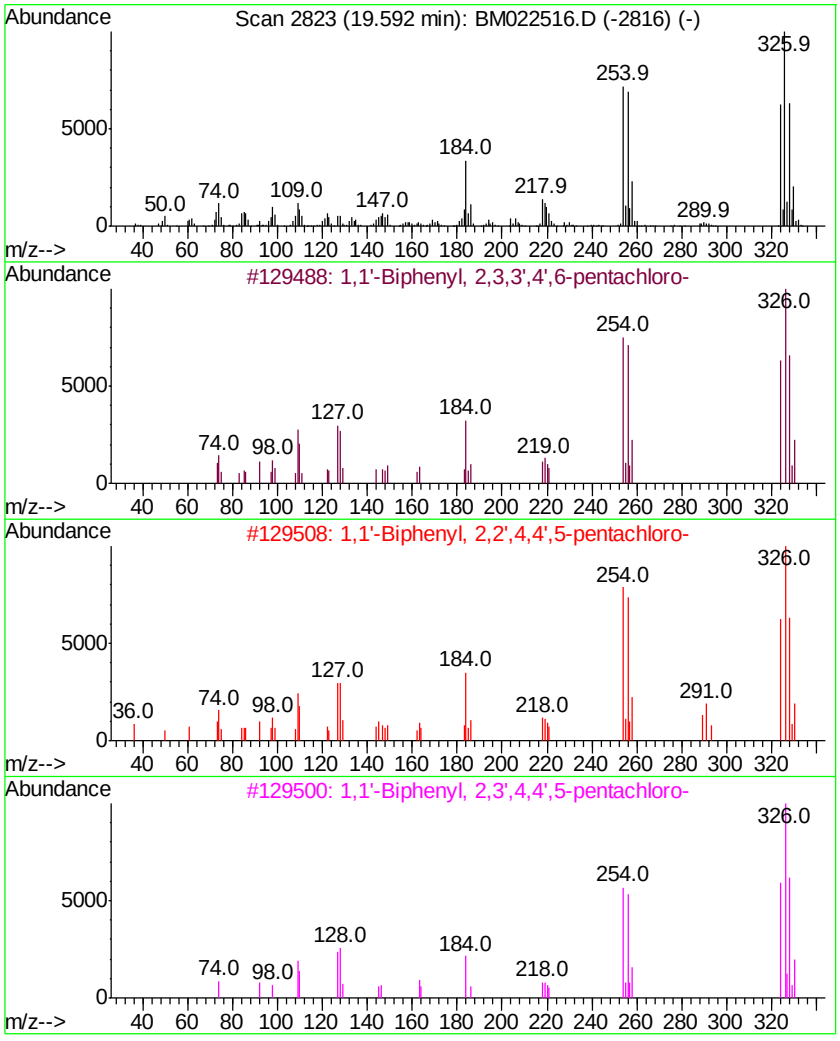
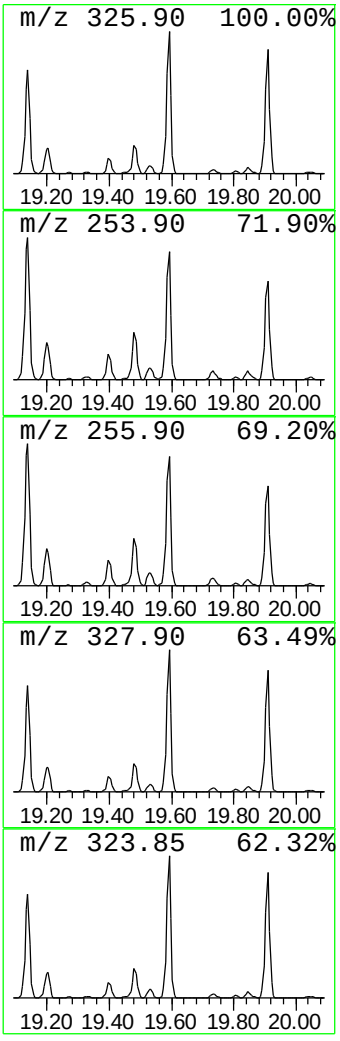
Peak Number 20 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.59 | 141.80 ng/ul | 2374980 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 97 |
| 2 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 96 |
| 3 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 96 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 96 |
| 5 | 1,1'-Biphenyl, 2,3',4,5',6-Penta... | 324 | C12H5Cl5 | 056558-18-0 | 95 |



# Library Search Compound Report

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Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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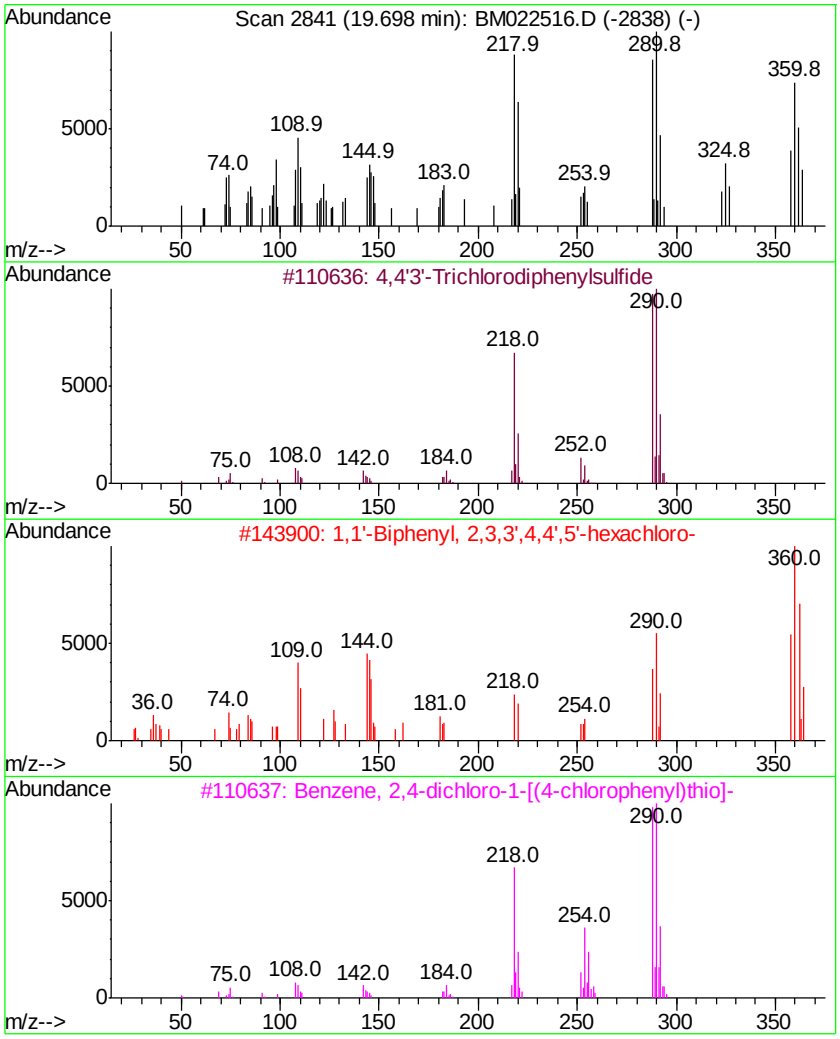
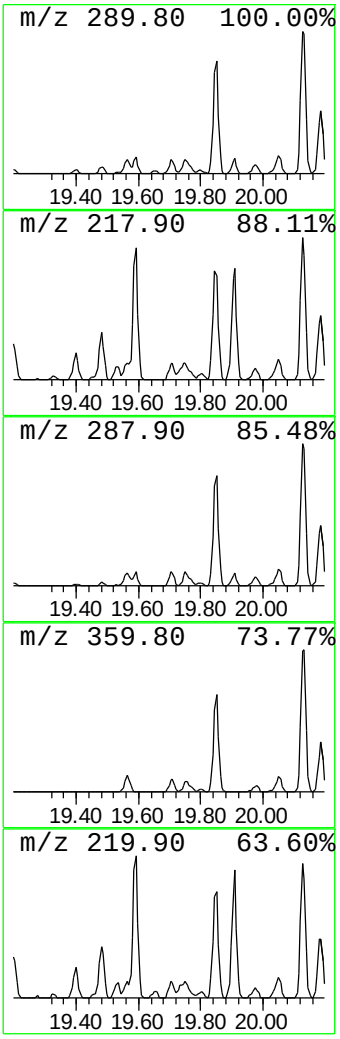
Peak Number 21 4,4'3'-Trichlorodiphenylsul... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.70 | 5.84 ng/ul | 97808 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,4'3'-Trichlorodiphenylsulfide | 288 | C12H7Cl3S | 1000283-58-7 | 89 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,4',5'-he... | 358 | C12H4Cl6 | 069782-90-7 | 83 |
| 3 | Benzene, 2,4-dichloro-1-[(4-chlo... | 288 | C12H7Cl3S | 055759-88-1 | 53 |
| 4 | 3-Bromo-5,7-dichloro-1-methylnap... | 288 | C11H7BrCl2 | 055058-84-9 | 50 |
| 5 | Penclomedine | 323 | C8H6Cl5NO2 | 108030-77-9 | 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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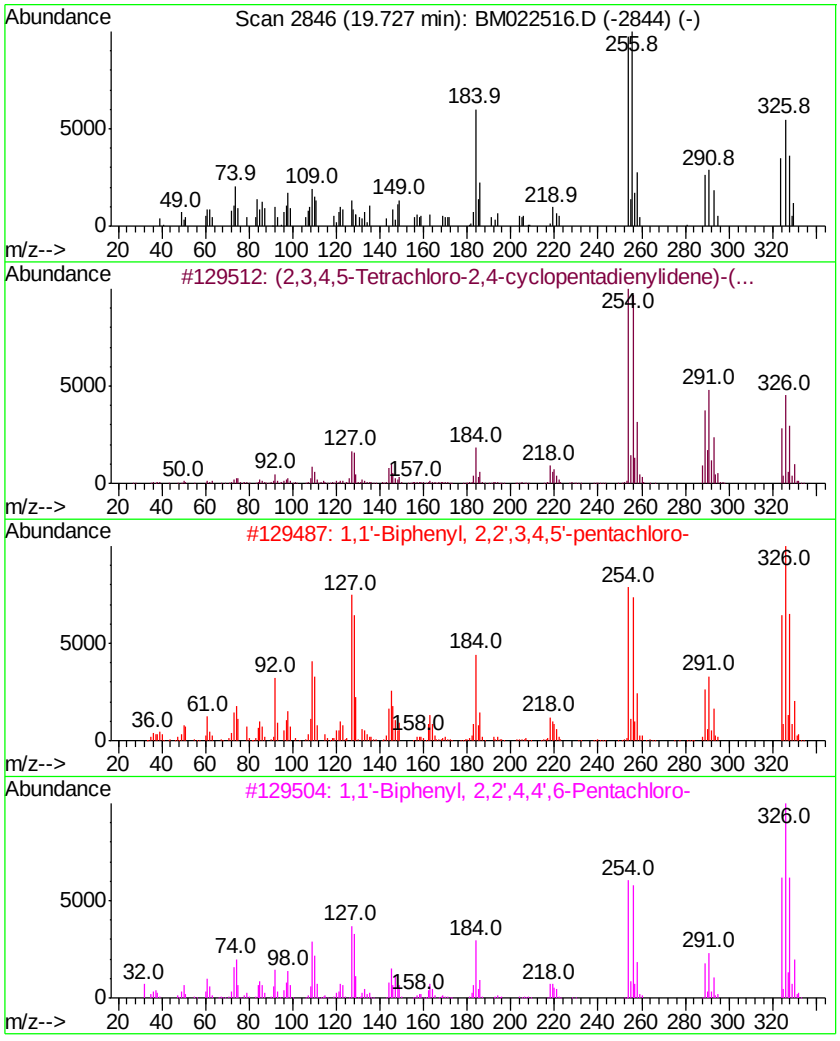
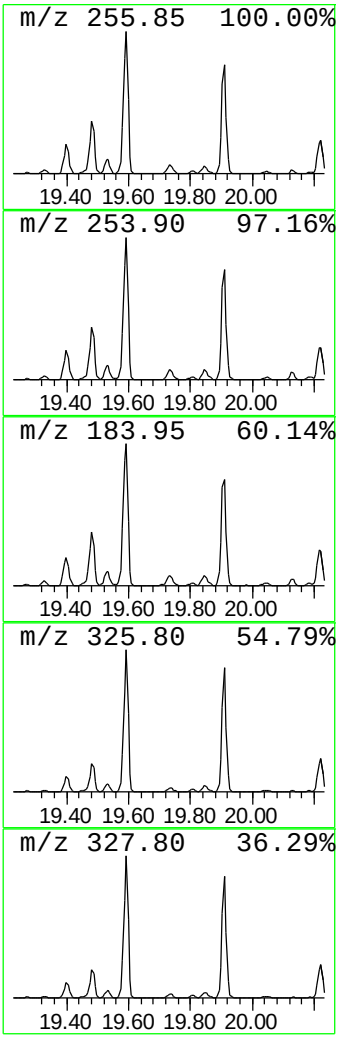
Peak Number 22 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.73 | 17.12 ng/ul | 286795 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (2,3,4,5-Tetrachloro-2,4-cyclope... | 324 | C12H5Cl5 | 029887-33-0 | 96 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,5'-penta... | 324 | C12H5Cl5 | 038380-02-8 | 96 |
| 3 | 1,1'-Biphenyl, 2,2',4,4',6-Penta... | 324 | C12H5Cl5 | 039485-83-1 | 95 |
| 4 | 1,1'-Biphenyl, 2,2',4,5,6'-penta... | 324 | C12H5Cl5 | 068194-06-9 | 94 |
| 5 | 1,1'-Biphenyl, 2,2',3',4,5-Penta... | 324 | C12H5Cl5 | 041464-51-1 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

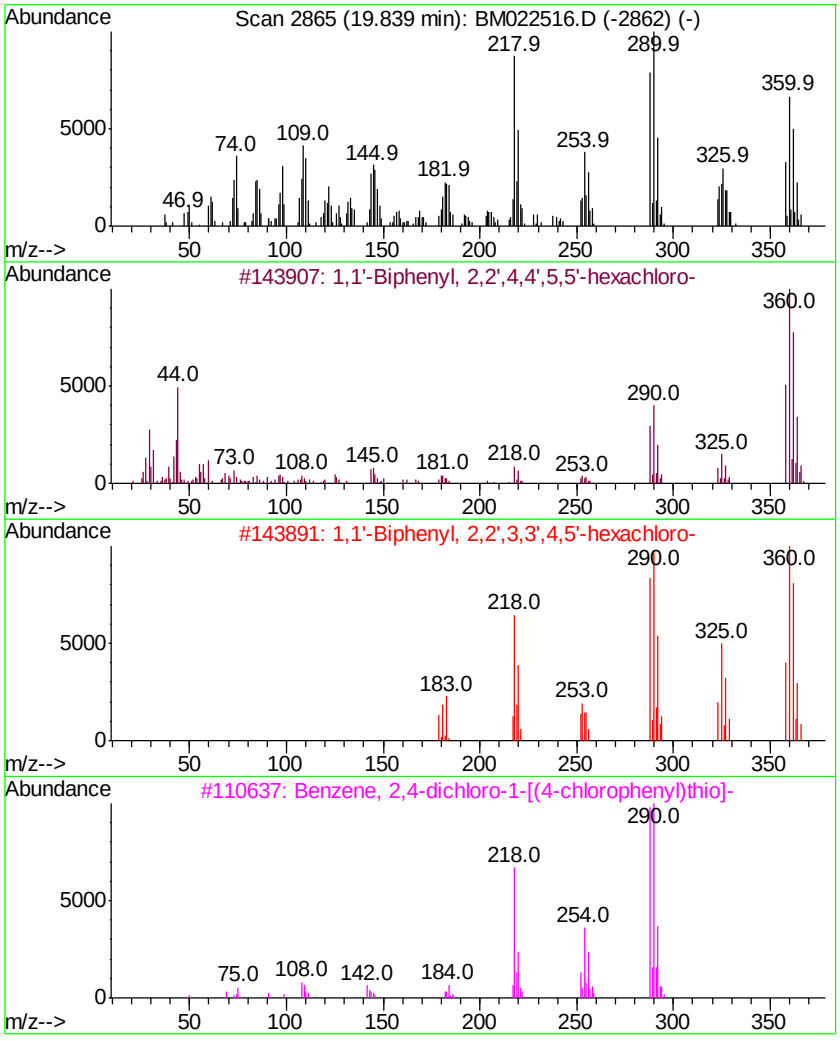
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

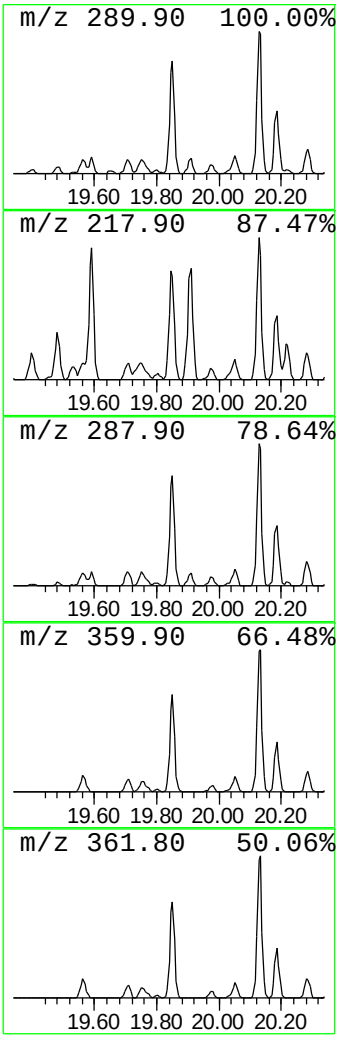
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.84 | 50.84 ng/ul | 851456 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5'-he... | 358 | C12H4Cl6 | 052663-66-8 | 97 |
| 3 | Benzene, 2,4-dichloro-1-[(4-chlo... | 288 | C12H7Cl3S | 055759-88-1 | 94 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 94 |
| 5 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 93 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

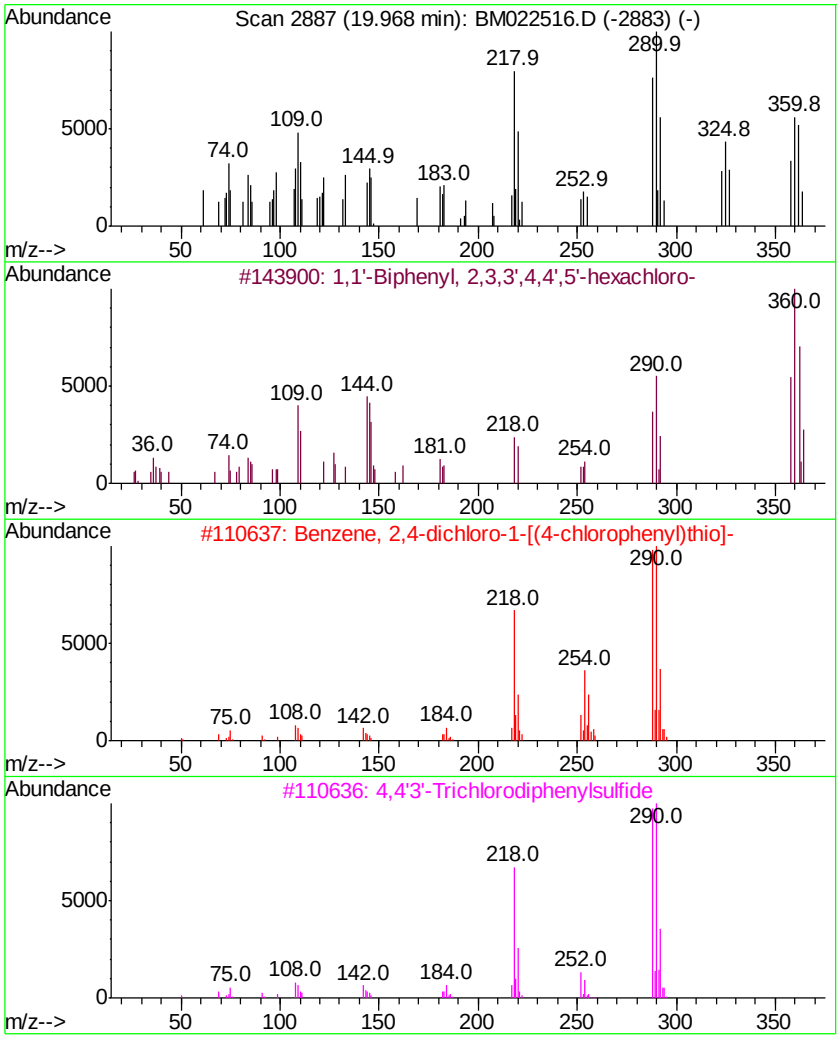
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

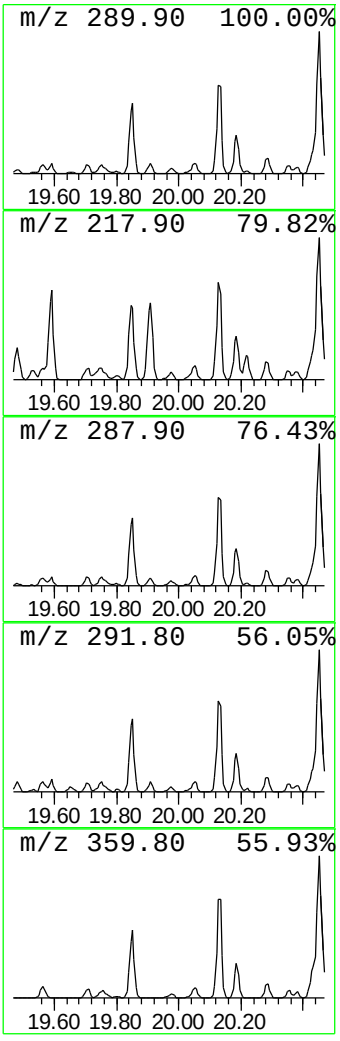
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.97 | 3.56 ng/ul | 59671 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4,4',5'-he... | 358 | C12H4Cl6 | 069782-90-7 | 74 |
| 2 | Benzene, 2,4-dichloro-1-[(4-chlo... | 288 | C12H7Cl3S | 055759-88-1 | 46 |
| 3 | 4,4'3'-Trichlorodiphenylsulfide | 288 | C12H7Cl3S | 1000283-58-7 | 41 |
| 4 | Triclosan | 288 | C12H7Cl3O2 | 003380-34-5 | 35 |
| 5 | 3-Bromo-5,7-dichloro-1-methylnap... | 288 | C11H7BrCl2 | 055058-84-9 | 30 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

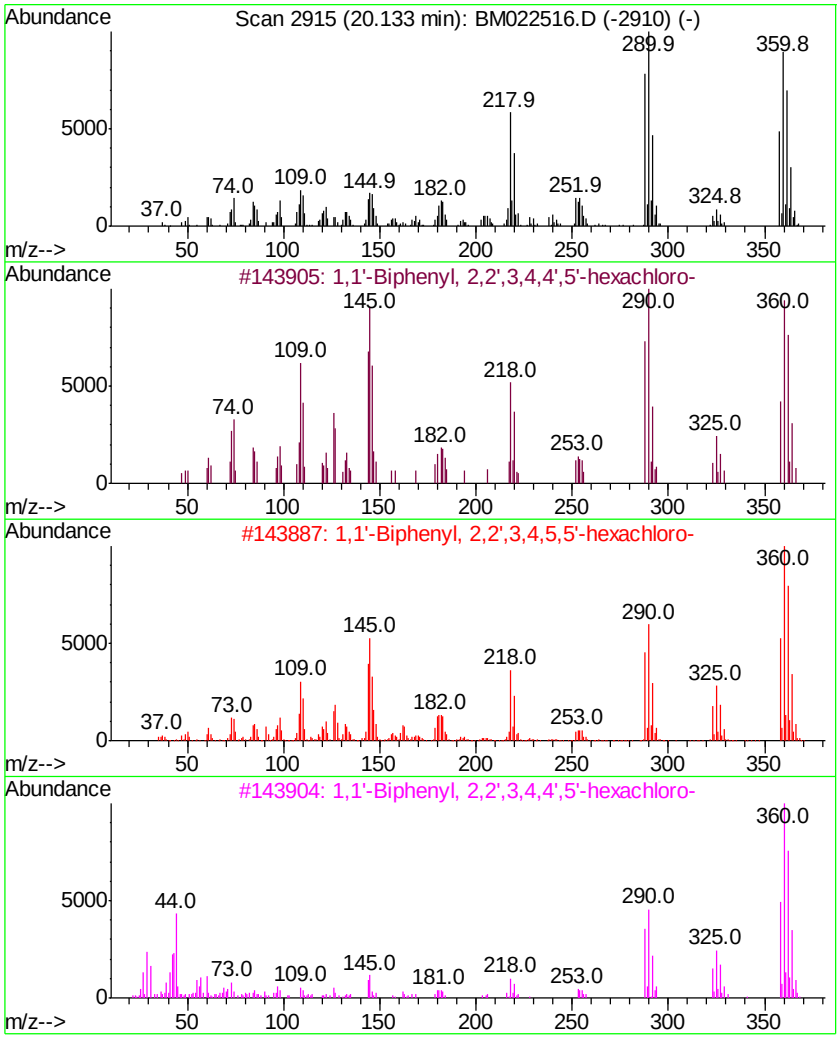
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

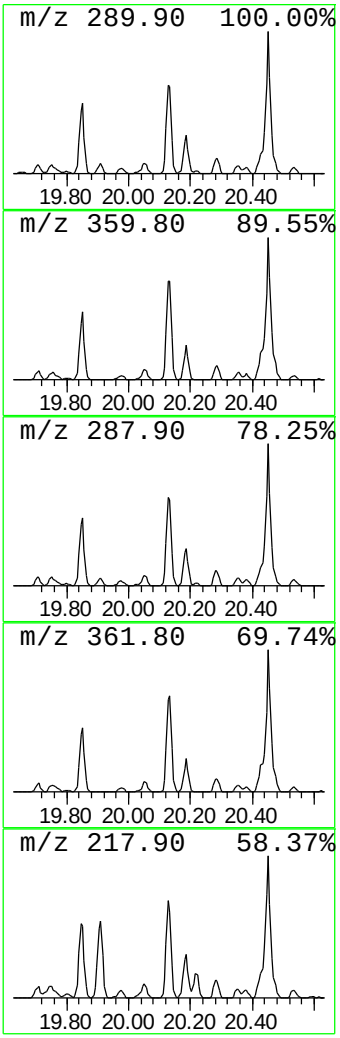
**********

Peak Number 28 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.13 | 55.02 ng/ul | 921535 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 96 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 95 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 95 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 94 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 94 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

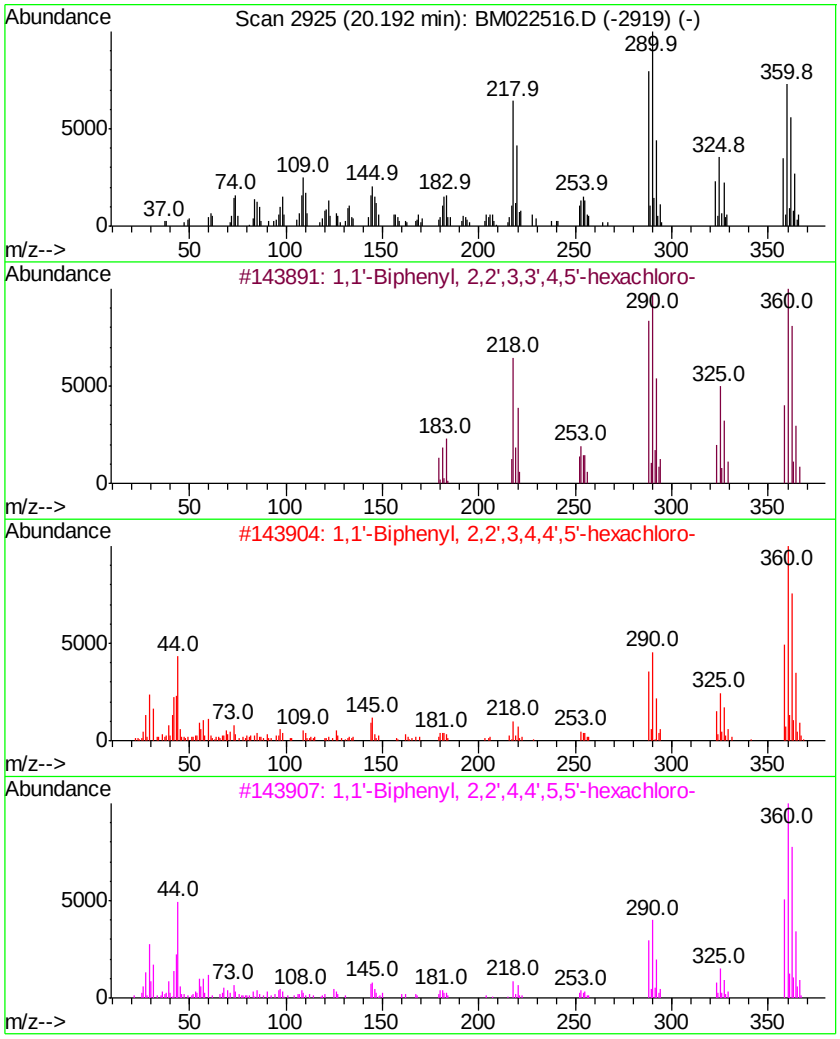
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

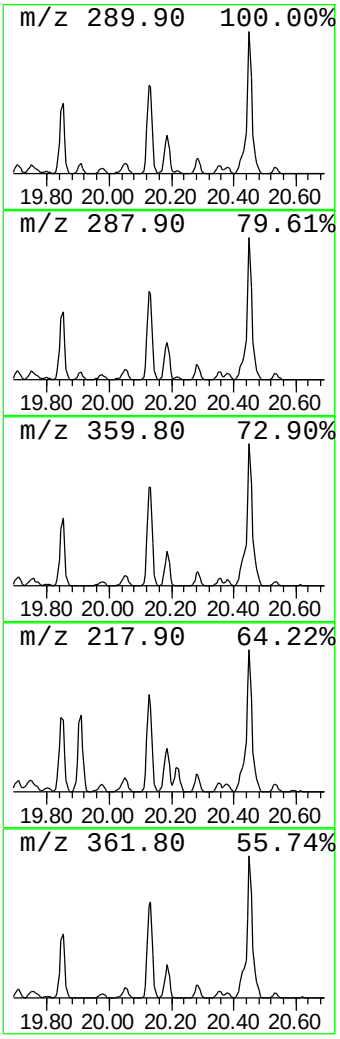
**********

Peak Number 29 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.19 | 25.52 ng/ul | 427431 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,5'-he... | 358 | C12H4Cl6 | 052663-66-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 98 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 95 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,5,6'-Hex... | 358 | C12H4Cl6 | 068194-15-0 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

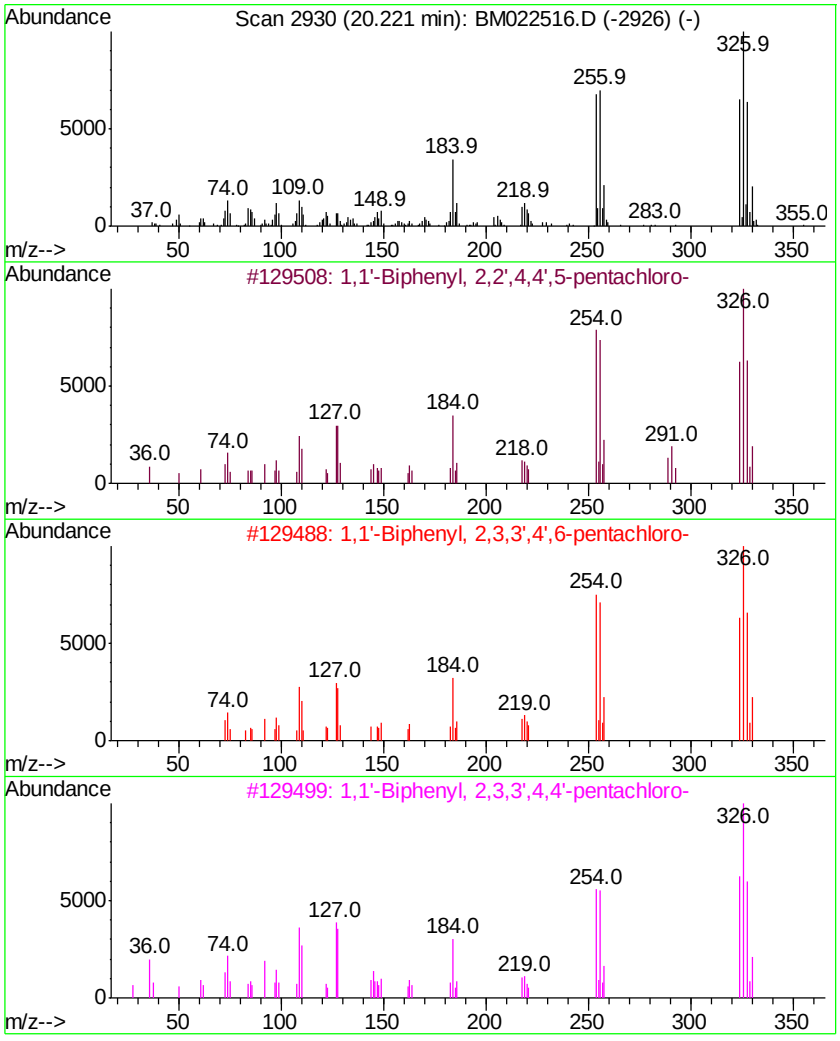
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

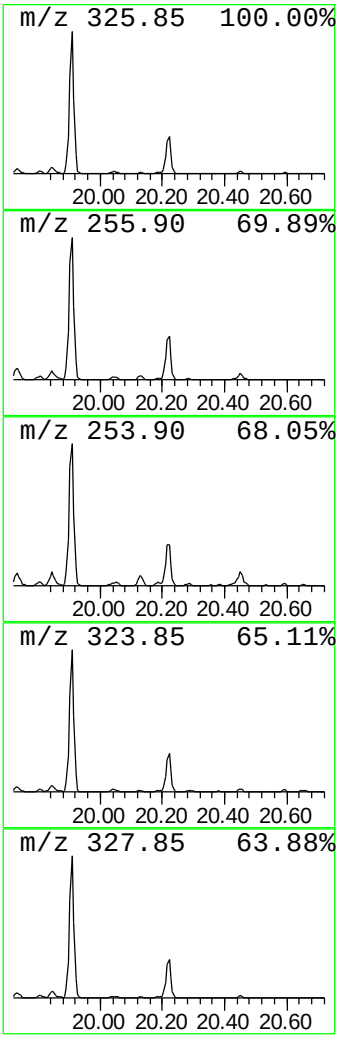
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.22 | 39.83 ng/ul | 667045 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 96 |
| 2 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 95 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 95 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 95 |
| 5 | 1,1'-Biphenyl, 2,3,4,4',6-Pentac... | 324 | C12H5Cl5 | 074472-38-1 | 95 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM090419\
Data File : BM022516.D
Acq On : 03 Sep 2019 23:50
Operator : HP/JU
Sample : K4606-01
Misc : GCMS CONFIRMATION
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Cyclotetrasiloxan... | 6.57 | 3.0 | ng/ul | 13046 | 1 | 7.51 | 86537 | 20.0 |
| 1,1'-Biphenyl, 3,... | 17.54 | 2.3 | ng/ul | 17150 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.99 | 106.8 | ng/ul | 800720 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 3,... | 18.05 | 21.3 | ng/ul | 159944 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.10 | 3.3 | ng/ul | 24880 | 4 | 16.94 | 149879 | 20.0 |
| unknown-01 | 18.33 | 2.1 | ng/ul | 15723 | 4 | 16.94 | 149879 | 20.0 |
| unknown-02 | 18.42 | 2.6 | ng/ul | 19622 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.46 | 11.9 | ng/ul | 89247 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.77 | 16.6 | ng/ul | 124761 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.93 | 19.6 | ng/ul | 147277 | 4 | 16.94 | 149879 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.06 | 16.5 | ng/ul | 276796 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.20 | 39.6 | ng/ul | 663195 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.40 | 27.8 | ng/ul | 465271 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.59 | 141.8 | ng/ul | 2374980 | 5 | 21.16 | 334969 | 20.0 |
| 4,4'3'-Trichlorod... | 19.70 | 5.8 | ng/ul | 97808 | 5 | 21.16 | 334969 | 20.0 |
| (2,3,4,5-Tetrachl... | 19.73 | 17.1 | ng/ul | 286795 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.84 | 50.8 | ng/ul | 851456 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.97 | 3.6 | ng/ul | 59671 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.13 | 55.0 | ng/ul | 921535 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.19 | 25.5 | ng/ul | 427431 | 5 | 21.16 | 334969 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.22 | 39.8 | ng/ul | 667045 | 5 | 21.16 | 334969 | 20.0 |