LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

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\SFAM-EPA-BM050421.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 | 2.987 | 14 | 17 | 20 | rBV | 207942 | 214480 | 7.06% | 0.579% |
| 2 | 7.563 | 791 | 795 | 812 | rVB | 354217 | 696703 | 22.95% | 1.880% |
| 3 | 10.339 | 1261 | 1267 | 1280 | rVB | 436053 | 730782 | 24.07% | 1.972% |
| 4 | 12.074 | 1560 | 1562 | 1566 | rVB | 2624 | 3584 | 0.12% | 0.010% |
| 5 | 12.280 | 1595 | 1597 | 1601 | rVB3 | 3197 | 3125 | 0.10% | 0.008% |
| 6 | 13.939 | 1875 | 1879 | 1882 | rBV6 | 2002 | 3453 | 0.11% | 0.009% |
| 7 | 14.074 | 1898 | 1902 | 1903 | rBV3 | 2104 | 3045 | 0.10% | 0.008% |
| 8 | 14.210 | 1918 | 1925 | 1941 | rBV | 786020 | 1104085 | 36.37% | 2.980% |
| 9 | 14.586 | 1985 | 1989 | 1993 | rBV7 | 2172 | 3607 | 0.12% | 0.010% |
| 10 | 15.004 | 2055 | 2060 | 2061 | rVB5 | 3377 | 3822 | 0.13% | 0.010% |
| 11 | 15.092 | 2070 | 2075 | 2077 | rBV5 | 4673 | 7379 | 0.24% | 0.020% |
| 12 | 15.562 | 2152 | 2155 | 2156 | rBV3 | 4654 | 5247 | 0.17% | 0.014% |
| 13 | 16.498 | 2310 | 2314 | 2317 | rBV5 | 15178 | 22462 | 0.74% | 0.061% |
| 14 | 16.957 | 2386 | 2392 | 2408 | rBV | 833236 | 1378660 | 45.41% | 3.721% |
| 15 | 17.139 | 2419 | 2423 | 2428 | rBV2 | 58526 | 81867 | 2.70% | 0.221% |
| 16 | 17.562 | 2490 | 2495 | 2502 | rVB | 367453 | 509364 | 16.78% | 1.375% |
| 17 | 17.674 | 2510 | 2514 | 2521 | rVB4 | 70305 | 108090 | 3.56% | 0.292% |
| 18 | 17.809 | 2533 | 2537 | 2541 | rBV | 108602 | 147264 | 4.85% | 0.397% |
| 19 | 17.856 | 2542 | 2545 | 2550 | rVB3 | 73759 | 99139 | 3.27% | 0.268% |
| 20 | 18.027 | 2569 | 2574 | 2580 | rBV | 433898 | 568384 | 18.72% | 1.534% |
| 21 | 18.086 | 2580 | 2584 | 2588 | rVV | 245822 | 320044 | 10.54% | 0.864% |
| 22 | 18.127 | 2588 | 2591 | 2596 | rVB2 | 106795 | 140496 | 4.63% | 0.379% |
| 23 | 18.315 | 2618 | 2623 | 2627 | rBV | 293304 | 406292 | 13.38% | 1.097% |
| 24 | 18.362 | 2628 | 2631 | 2638 | rVB3 | 92540 | 131060 | 4.32% | 0.354% |
| 25 | 18.451 | 2644 | 2646 | 2649 | rBV | 52484 | 62778 | 2.07% | 0.169% |
| 26 | 18.492 | 2649 | 2653 | 2657 | rVB | 202364 | 258206 | 8.50% | 0.697% |
| 27 | 18.592 | 2667 | 2670 | 2677 | rVB3 | 52484 | 73303 | 2.41% | 0.198% |
| 28 | 18.803 | 2702 | 2706 | 2710 | rBV | 166487 | 206320 | 6.80% | 0.557% |
| 29 | 18.880 | 2711 | 2719 | 2727 | rVB3 | 818076 | 1446708 | 47.65% | 3.904% |
| 30 | 19.015 | 2740 | 2742 | 2750 | rVB | 56671 | 81796 | 2.69% | 0.221% |
| 31 | 19.103 | 2751 | 2757 | 2763 | rVV2 | 182380 | 459051 | 15.12% | 1.239% |
| 32 | 19.168 | 2763 | 2768 | 2773 | rVV | 1040092 | 1347746 | 44.39% | 3.637% |
| 33 | 19.227 | 2775 | 2778 | 2783 | rVB | 108967 | 145107 | 4.78% | 0.392% |
| 34 | 19.303 | 2788 | 2791 | 2796 | rVB2 | 65554 | 79974 | 2.63% | 0.216% |

LSC Area Percent Report

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Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

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\SFAM-EPA-BM050421.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.427 | 2808 | 2812 | 2818 | rVB2 | 120091 | 153895 | 5.07% | 0.415% |
| 36 | 19.503 | 2821 | 2825 | 2830 | rVB | 221394 | 274508 | 9.04% | 0.741% |
| 37 | 19.556 | 2831 | 2834 | 2836 | rVV2 | 48707 | 61216 | 2.02% | 0.165% |
| 38 | 19.609 | 2836 | 2843 | 2849 | rVB2 | 620106 | 1101178 | 36.27% | 2.972% |
| 39 | 19.733 | 2860 | 2864 | 2868 | rBV | 543388 | 685521 | 22.58% | 1.850% |
| 40 | 19.780 | 2868 | 2872 | 2879 | rVV | 234760 | 417313 | 13.75% | 1.126% |
| 41 | 19.874 | 2883 | 2888 | 2893 | rBV | 1849039 | 2219261 | 73.10% | 5.989% |
| 42 | 19.927 | 2893 | 2897 | 2905 | rVB | 375133 | 484561 | 15.96% | 1.308% |
| 43 | 20.003 | 2906 | 2910 | 2914 | rVB3 | 93273 | 111782 | 3.68% | 0.302% |
| 44 | 20.074 | 2918 | 2922 | 2928 | rVB | 238081 | 312312 | 10.29% | 0.843% |
| 45 | 20.156 | 2931 | 2936 | 2940 | rBV | 2527381 | 2982269 | 98.23% | 8.049% |
| 46 | 20.203 | 2940 | 2944 | 2955 | rVB2 | 630085 | 929732 | 30.62% | 2.509% |
| 47 | 20.309 | 2957 | 2962 | 2967 | rBV2 | 690028 | 987148 | 32.51% | 2.664% |
| 48 | 20.403 | 2974 | 2978 | 2982 | rBV3 | 175747 | 226151 | 7.45% | 0.610% |
| 49 | 20.468 | 2982 | 2989 | 2996 | rVV | 1711533 | 3036075 | 100.00% | 8.194% |
| 50 | 20.521 | 2996 | 2998 | 3001 | rVB | 111519 | 103878 | 3.42% | 0.280% |
| 51 | 20.556 | 3001 | 3004 | 3007 | rBV4 | 60045 | 60774 | 2.00% | 0.164% |
| 52 | 20.615 | 3010 | 3014 | 3020 | rVB | 874944 | 1008395 | 33.21% | 2.722% |
| 53 | 20.680 | 3021 | 3025 | 3033 | rVB | 503470 | 597867 | 19.69% | 1.614% |
| 54 | 20.774 | 3037 | 3041 | 3045 | rBV | 232044 | 265367 | 8.74% | 0.716% |
| 55 | 20.815 | 3045 | 3048 | 3054 | rVB6 | 84244 | 100578 | 3.31% | 0.271% |
| 56 | 20.886 | 3055 | 3060 | 3065 | rBV2 | 795545 | 995552 | 32.79% | 2.687% |
| 57 | 20.939 | 3065 | 3069 | 3074 | rBV | 458275 | 551948 | 18.18% | 1.490% |
| 58 | 20.992 | 3075 | 3078 | 3081 | rBV2 | 238584 | 306517 | 10.10% | 0.827% |
| 59 | 21.021 | 3081 | 3083 | 3089 | rVB2 | 179474 | 213166 | 7.02% | 0.575% |
| 60 | 21.092 | 3093 | 3095 | 3099 | rVB3 | 101602 | 110455 | 3.64% | 0.298% |
| 61 | 21.139 | 3099 | 3103 | 3105 | rBV | 920652 | 1143301 | 37.66% | 3.086% |
| 62 | 21.174 | 3105 | 3109 | 3114 | rVB | 2190430 | 2768736 | 91.19% | 7.472% |
| 63 | 21.309 | 3129 | 3132 | 3136 | rVB2 | 94986 | 102504 | 3.38% | 0.277% |
| 64 | 21.474 | 3156 | 3160 | 3166 | rBV2 | 993385 | 1285162 | 42.33% | 3.468% |
| 65 | 21.533 | 3166 | 3170 | 3175 | rVV3 | 259469 | 320002 | 10.54% | 0.864% |
| 66 | 21.597 | 3177 | 3181 | 3187 | rVV | 352746 | 413012 | 13.60% | 1.115% |
| 67 | 21.927 | 3235 | 3237 | 3241 | rBV2 | 90964 | 120717 | 3.98% | 0.326% |
| 68 | 22.144 | 3270 | 3274 | 3277 | rBV2 | 266167 | 375906 | 12.38% | 1.015% |
| 69 | 23.297 | 3465 | 3470 | 3482 | rVB2 | 721982 | 1372528 | 45.21% | 3.704% |

Sum of corrected areas: 37052710

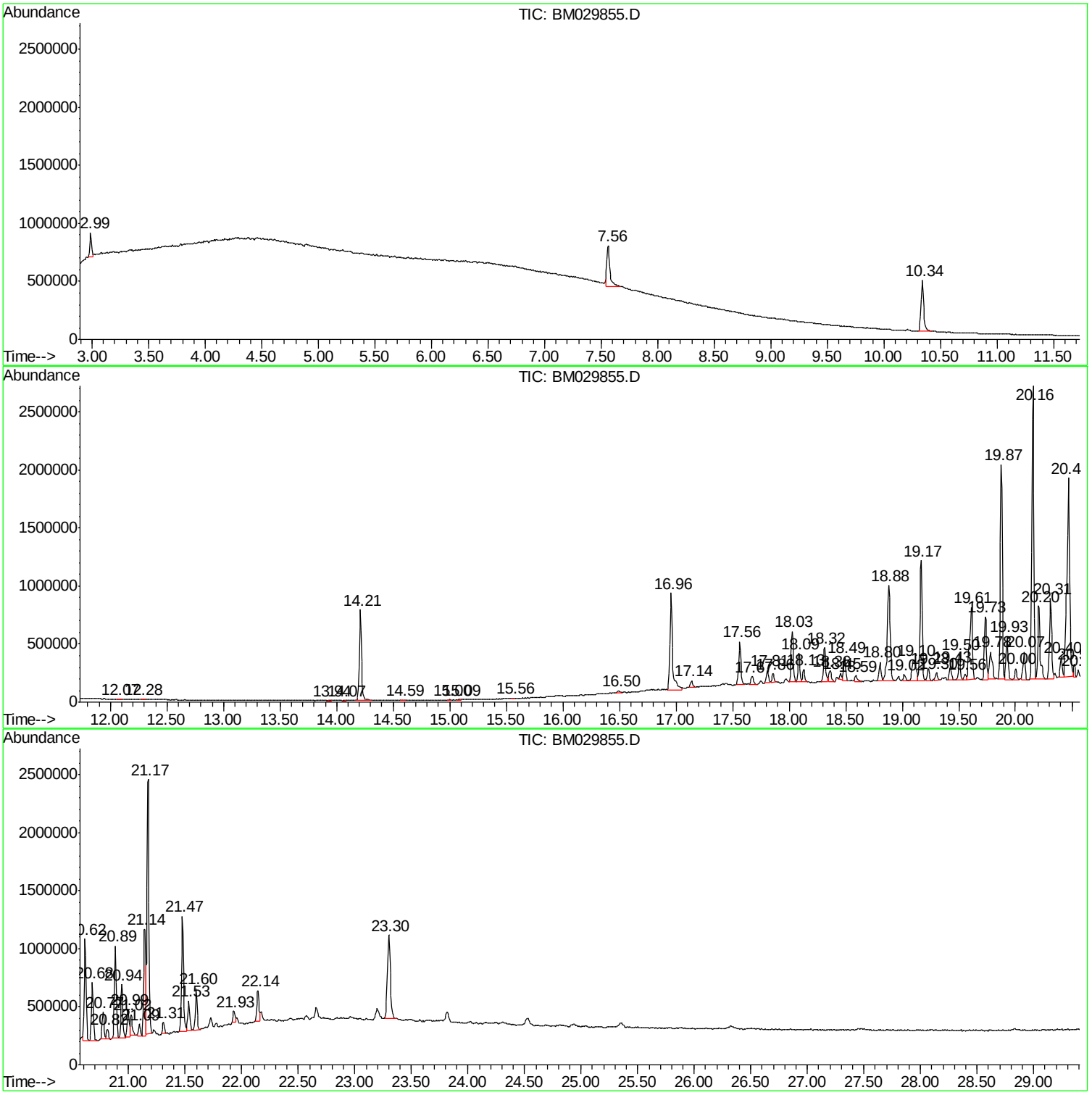
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.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\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

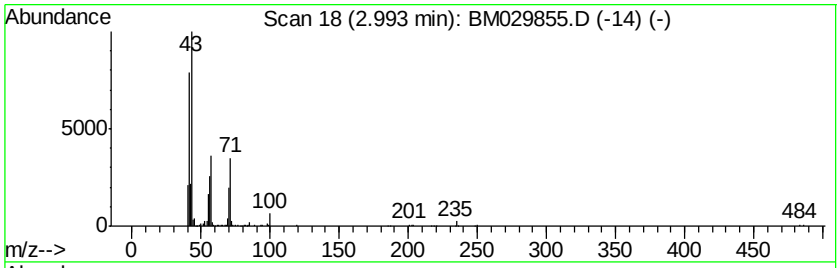
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

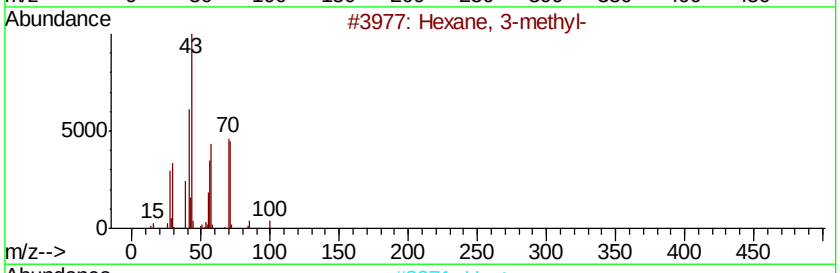
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

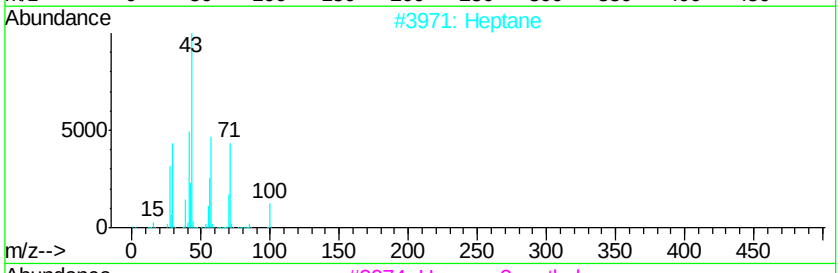
**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 22

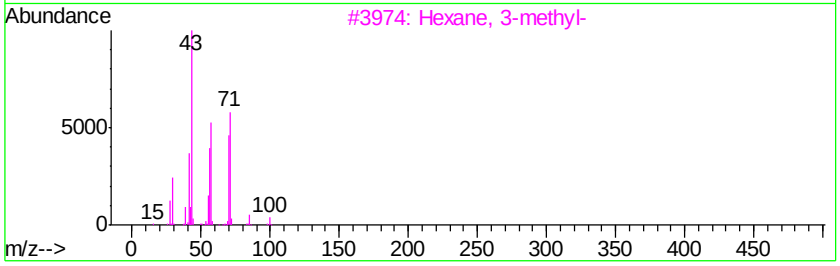
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.99 | 6.16 ng/ul | 214480 | 1,4-Dichlorobenzene-d4 | 7.56 |

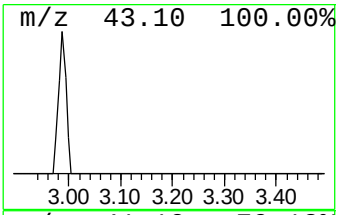
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 52 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 50 |
| 3 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 50 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 50 |
| 5 | Heptane | 100 | C7H16 | 000142-82-5 | 40 |

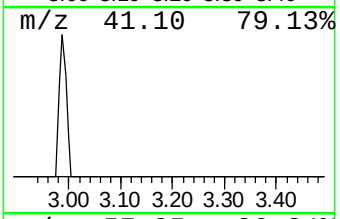


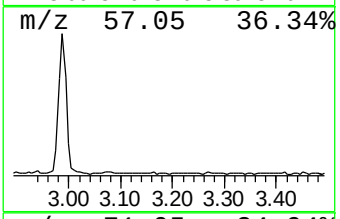



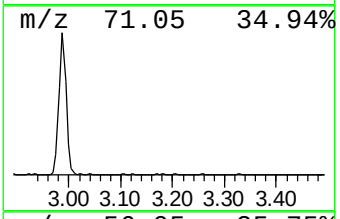



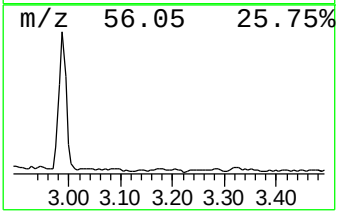



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

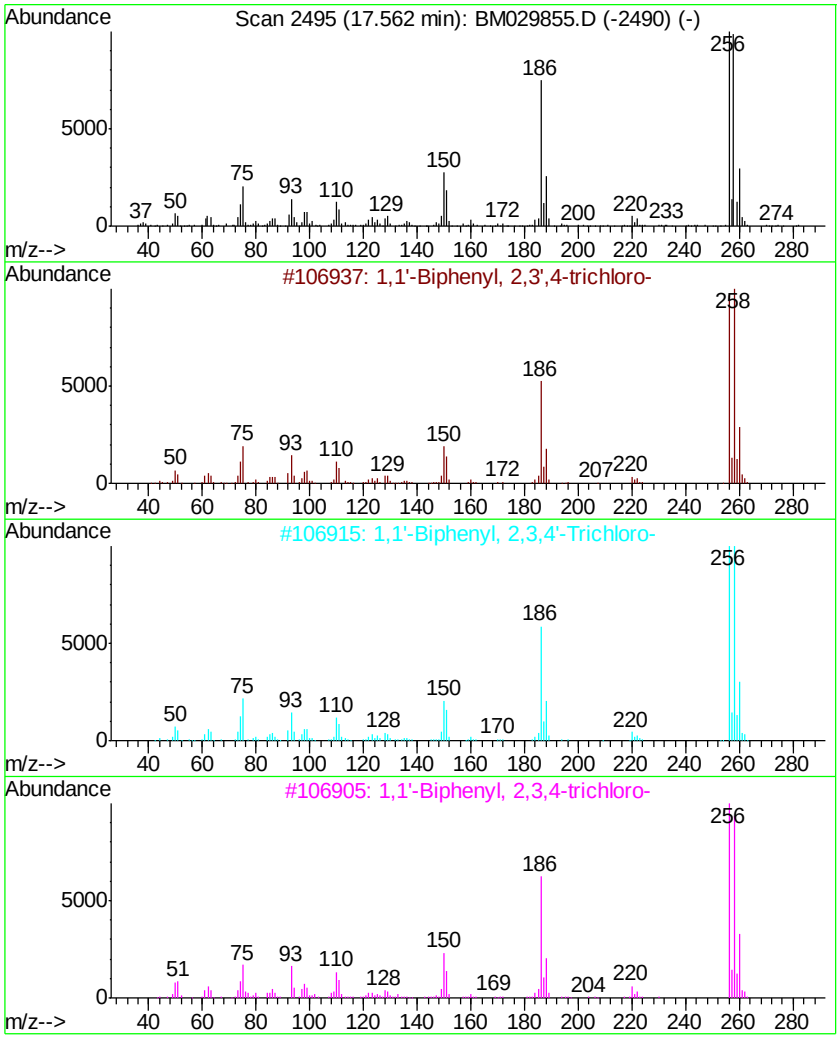
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

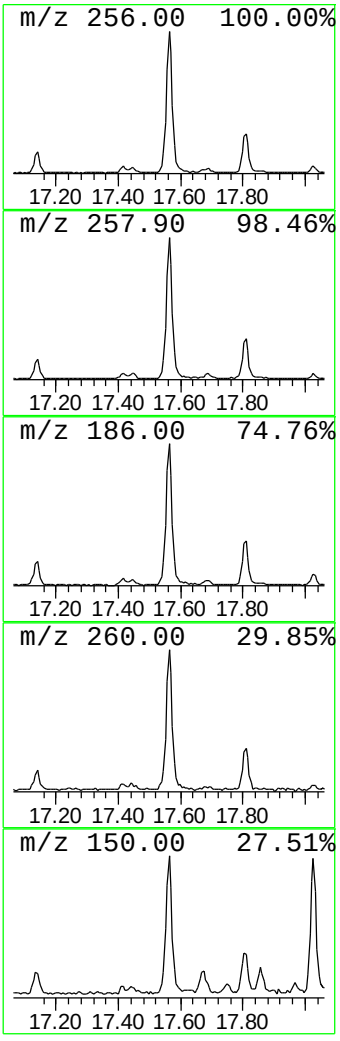
**********

Peak Number 2 1,1'-Biphenyl, 2,3',4-trich... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.56 | 7.39 ng/ul | 509364 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3',4-trichloro- | 256 | C12H7Cl3 | 055712-37-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3 | 038444-85-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,4-trichloro- | 256 | C12H7Cl3 | 055702-46-0 | 99 |
| 4 | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3 | 007012-37-5 | 99 |
| 5 | 1,1'-Biphenyl, 2,4,6-trichloro- | 256 | C12H7Cl3 | 035693-92-6 | 99 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

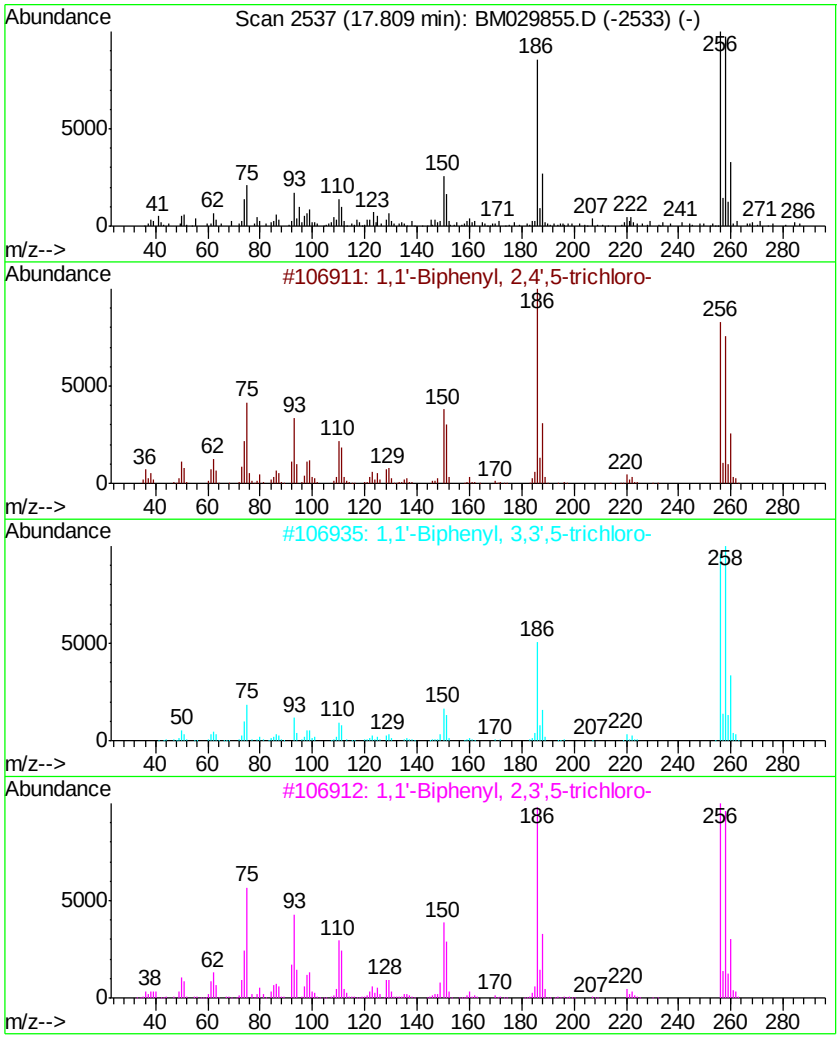
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

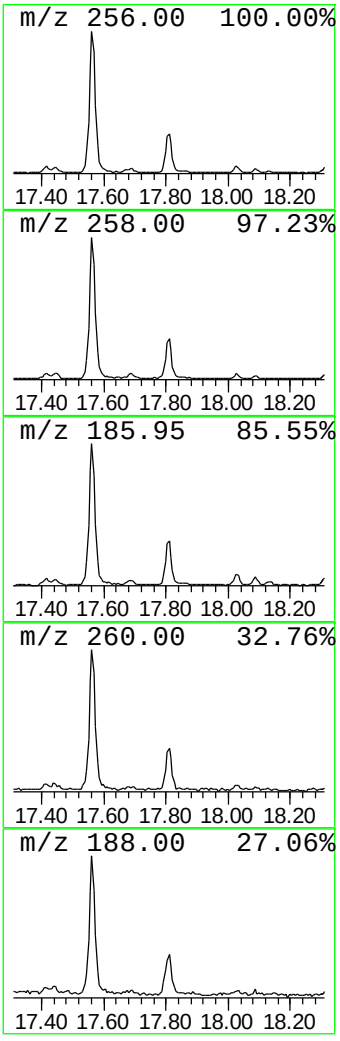
**********

Peak Number 3 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.81 | 2.14 ng/ul | 147264 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 96 |
| 2 | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3 | 038444-87-0 | 96 |
| 3 | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3 | 038444-81-4 | 95 |
| 4 | 1,1'-Biphenyl, 2,4,6-trichloro- | 256 | C12H7Cl3 | 035693-92-6 | 95 |
| 5 | 2,4',6-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 038444-77-8 | 95 |



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Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

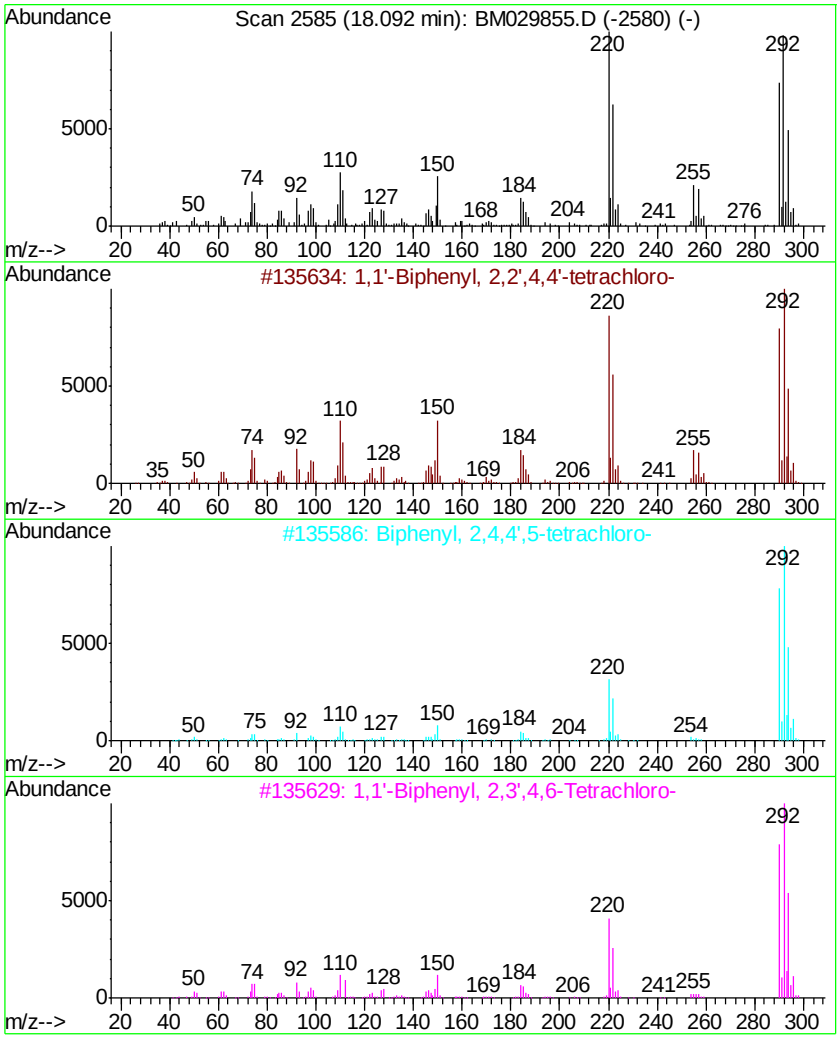
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

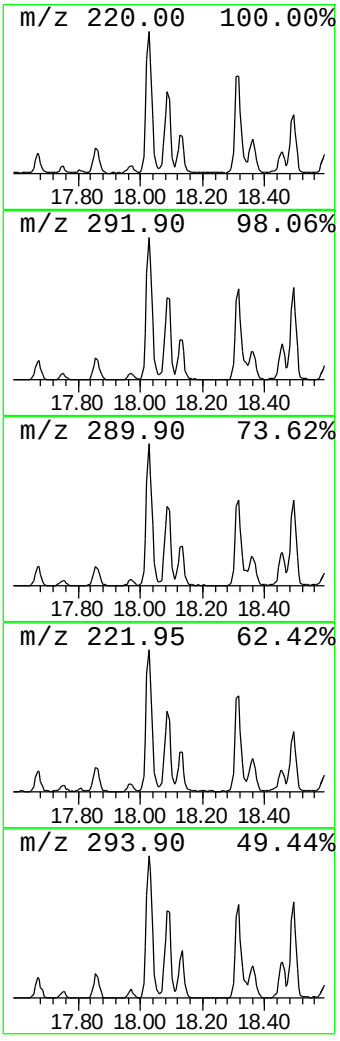
**********

Peak Number 5 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.09 | 4.64 ng/ul | 320044 | Phenanthrene-d10 | 16.96 |

| 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 | Biphenyl, 2,4,4',5-tetrachloro- | 290 | C12H6Cl4 | 032690-93-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,3',4,6-Tetrachl... | 290 | C12H6Cl4 | 060233-24-1 | 99 |
| 4 | 2,3,3',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074472-33-6 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

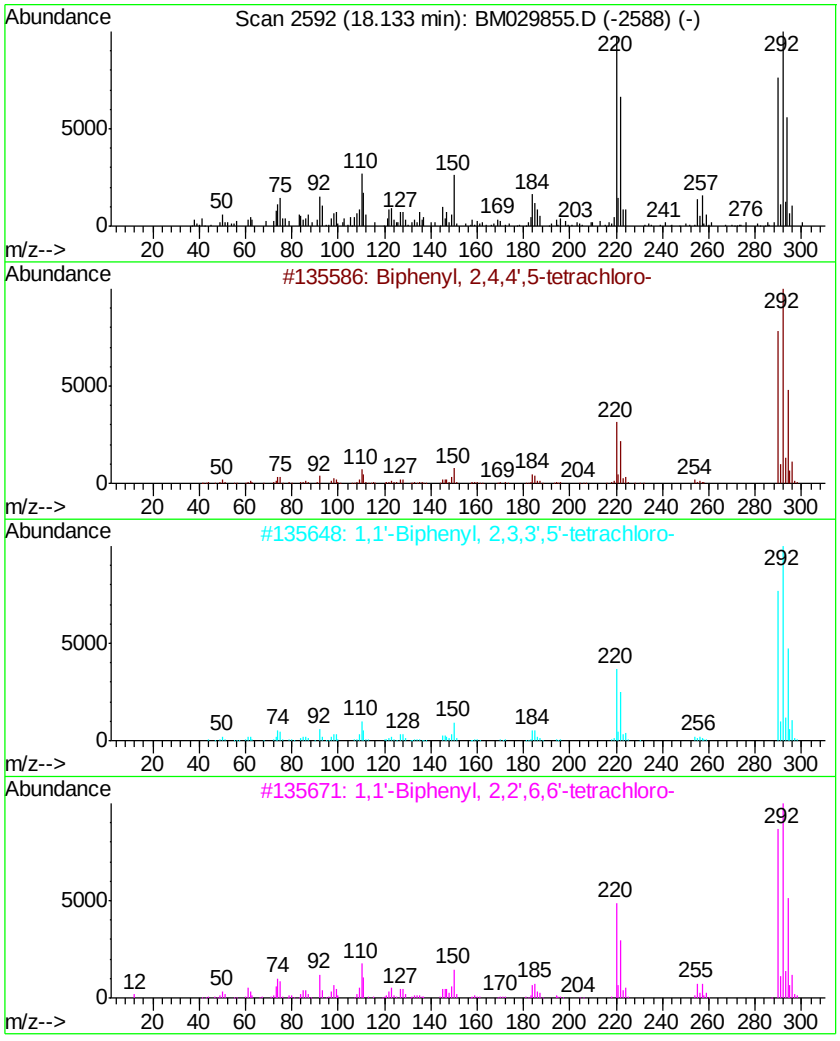
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

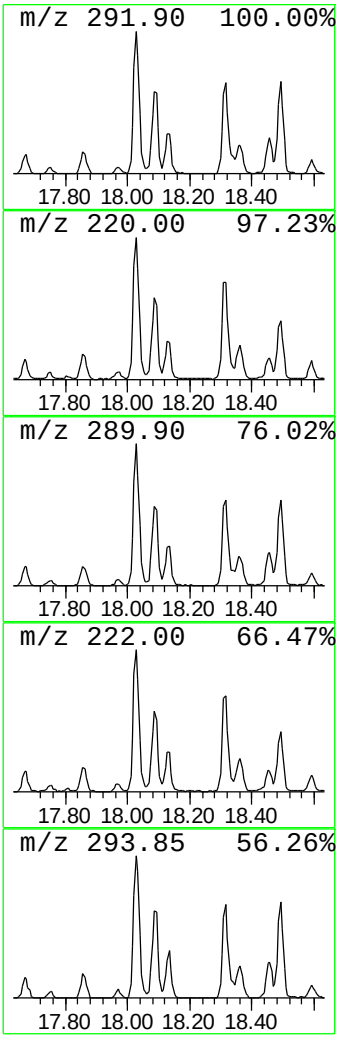
**********

Peak Number 6 Biphenyl, 2,4,4',5-tetrachl... Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.13 | 2.04 ng/ul | 140496 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Biphenyl, 2,4,4',5-tetrachloro- | 290 | C12H6Cl4 | 032690-93-0 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4 | 041464-49-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 98 |
| 4 | 1,1'-Biphenyl, 2,4,4',6-tetrachl... | 290 | C12H6Cl4 | 032598-12-2 | 98 |
| 5 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

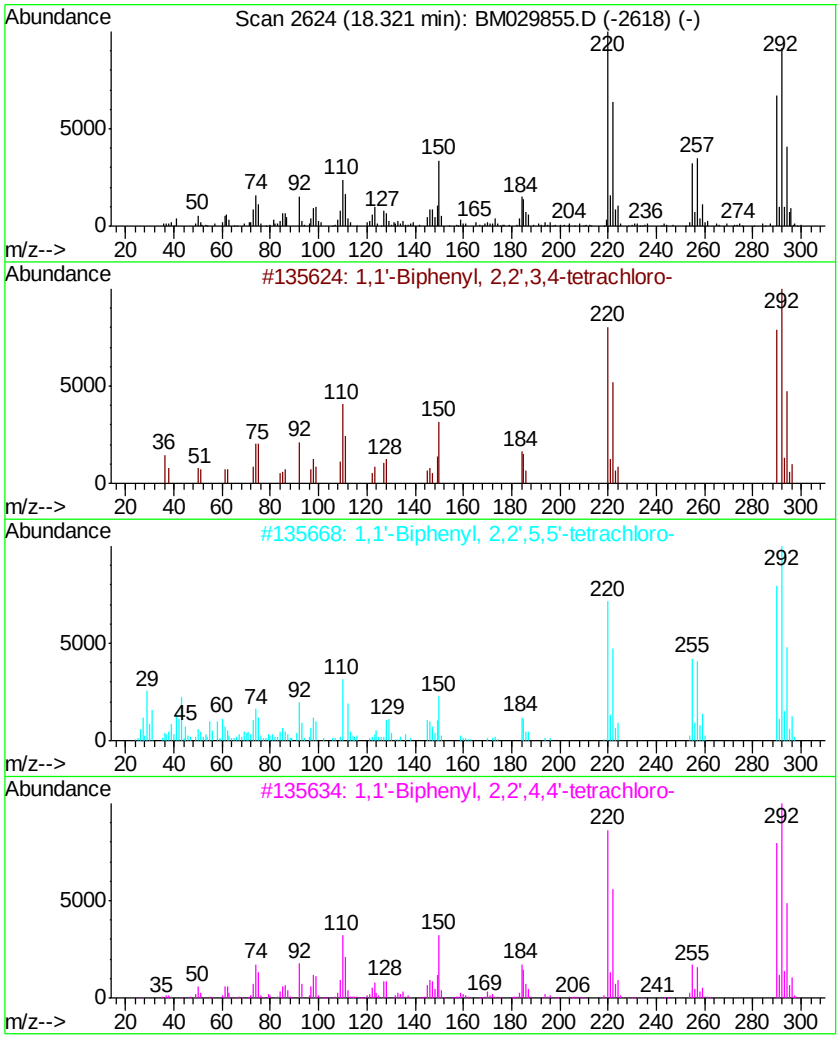
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

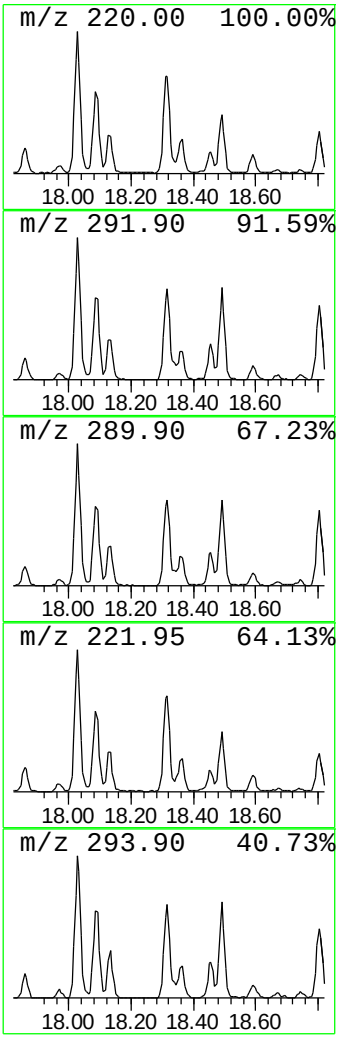
**********

Peak Number 7 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.32 | 5.89 ng/ul | 406292 | Phenanthrene-d10 | 16.96 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

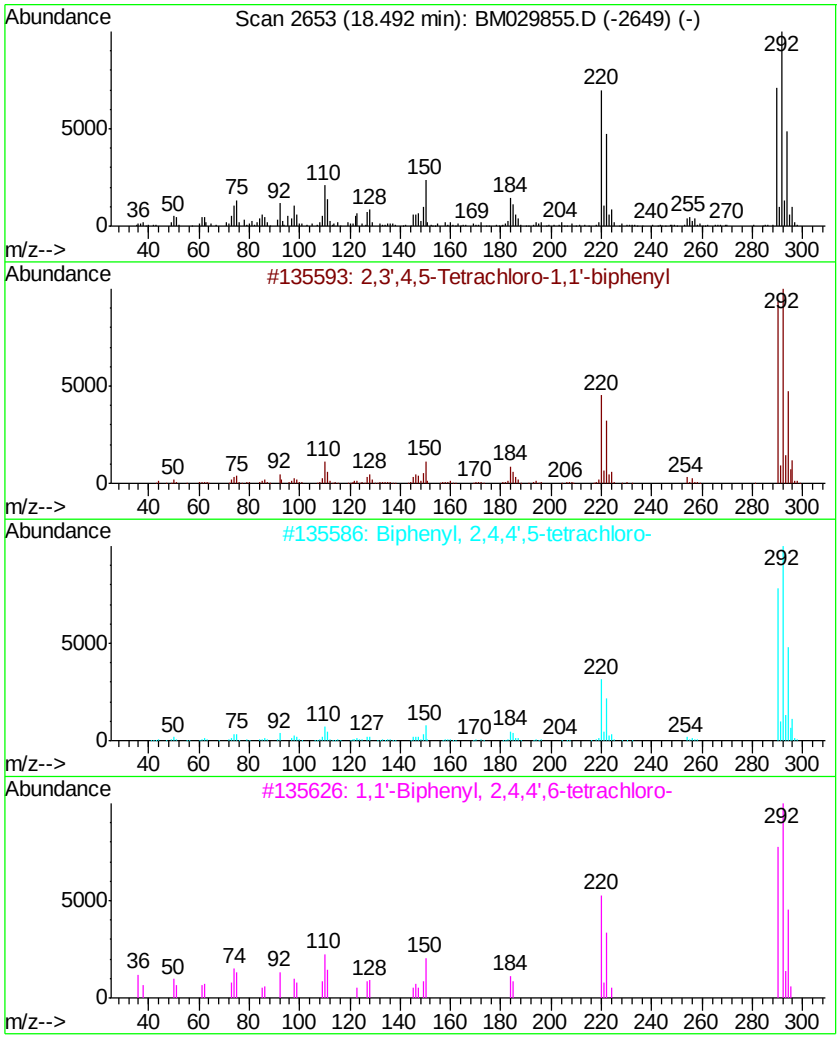
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

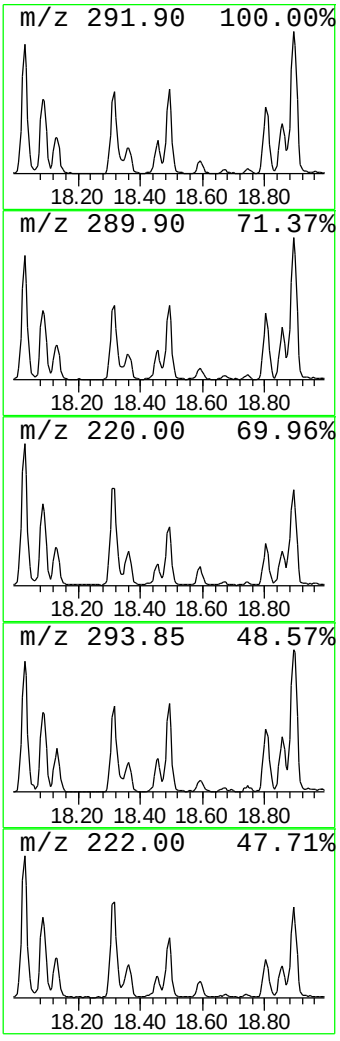
**********

Peak Number 8 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.49 | 3.75 ng/ul | 258206 | Phenanthrene-d10 | 16.96 |

| 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 | Biphenyl, 2,4,4',5-tetrachloro- | 290 | C12H6Cl4 | 032690-93-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,4,4',6-tetrachl... | 290 | C12H6Cl4 | 032598-12-2 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 5 | 1,1'-Biphenyl, 3,3',5,5'-tetrach... | 290 | C12H6Cl4 | 033284-52-5 | 99 |



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Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

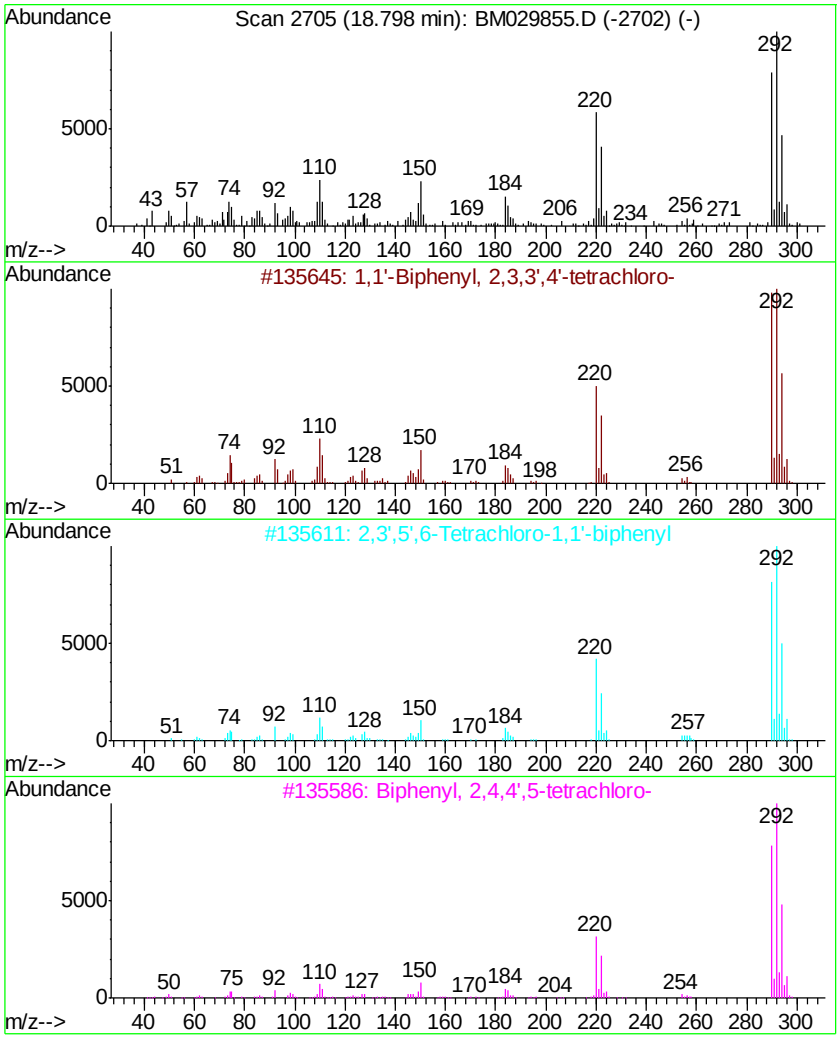
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

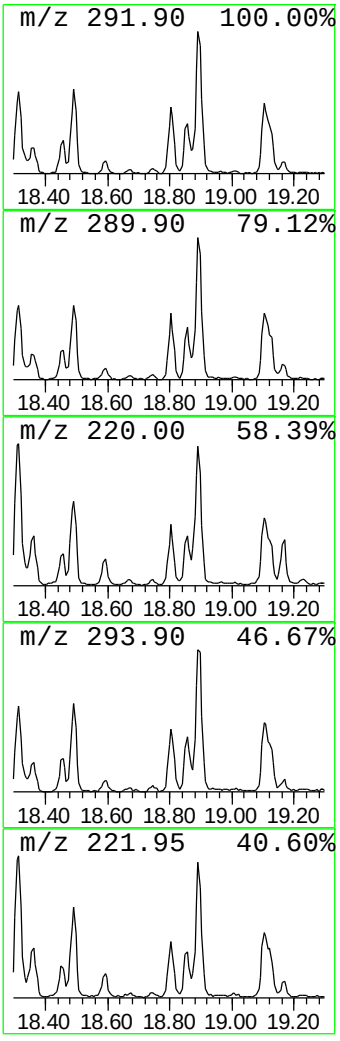
**********

Peak Number 9 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.80 | 2.99 ng/ul | 206320 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4 | 041464-43-1 | 99 |
| 2 | 2,3',5',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-23-1 | 99 |
| 3 | Biphenyl, 2,4,4',5-tetrachloro- | 290 | C12H6Cl4 | 032690-93-0 | 99 |
| 4 | 1,1'-Biphenyl, 3,3',5,5'-tetrach... | 290 | C12H6Cl4 | 033284-52-5 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4-tetrachl... | 290 | C12H6Cl4 | 052663-59-9 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

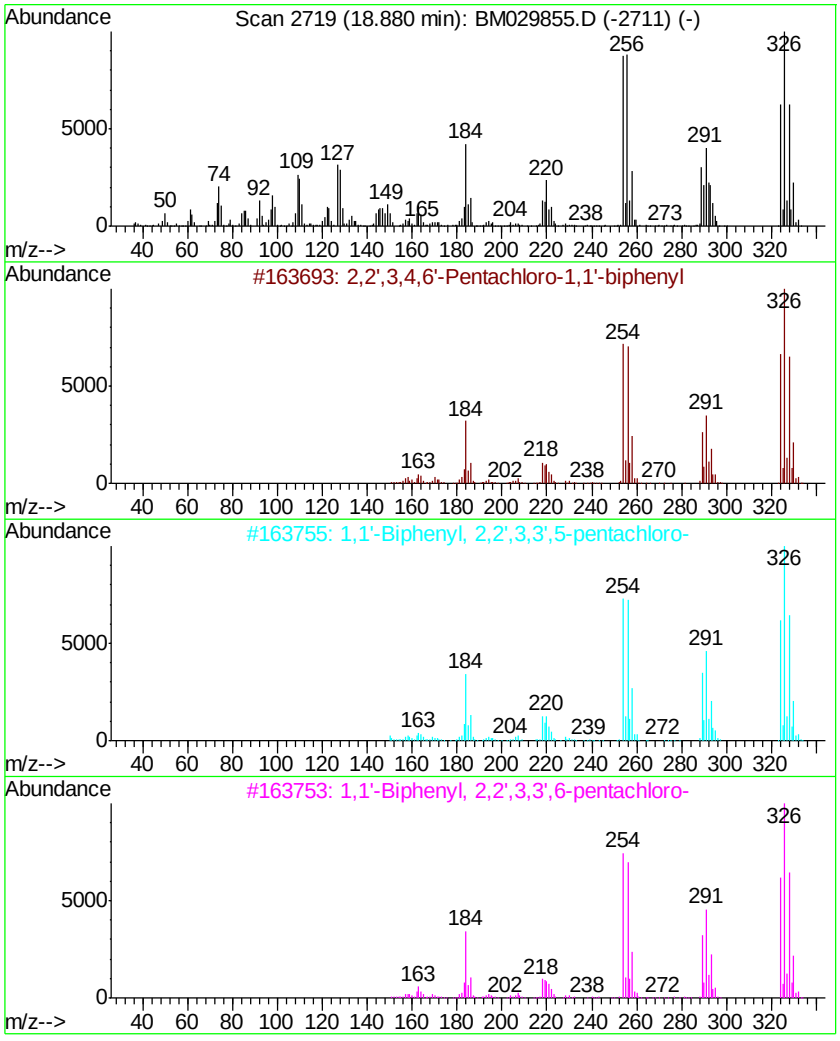
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

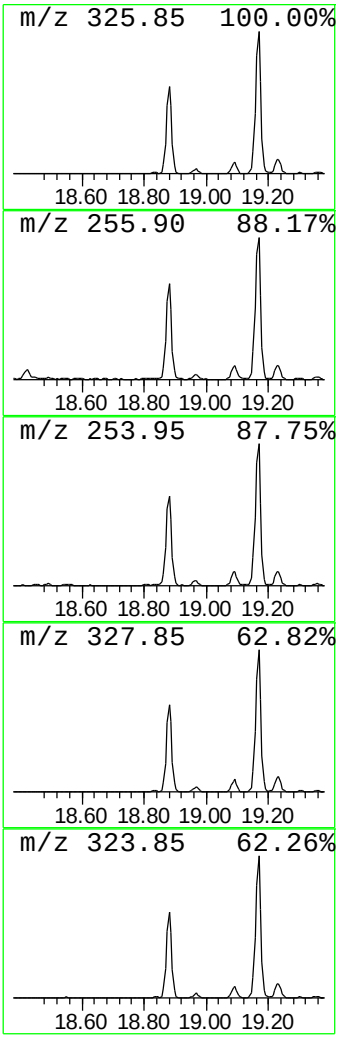
**********

Peak Number 10 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.88 | 20.99 ng/ul | 1446710 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4,6'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 073575-57-2 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',5-penta... | 324 | C12H5Cl5 | 060145-20-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',6-penta... | 324 | C12H5Cl5 | 052663-60-2 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,6-Pentac... | 324 | C12H5Cl5 | 055215-17-3 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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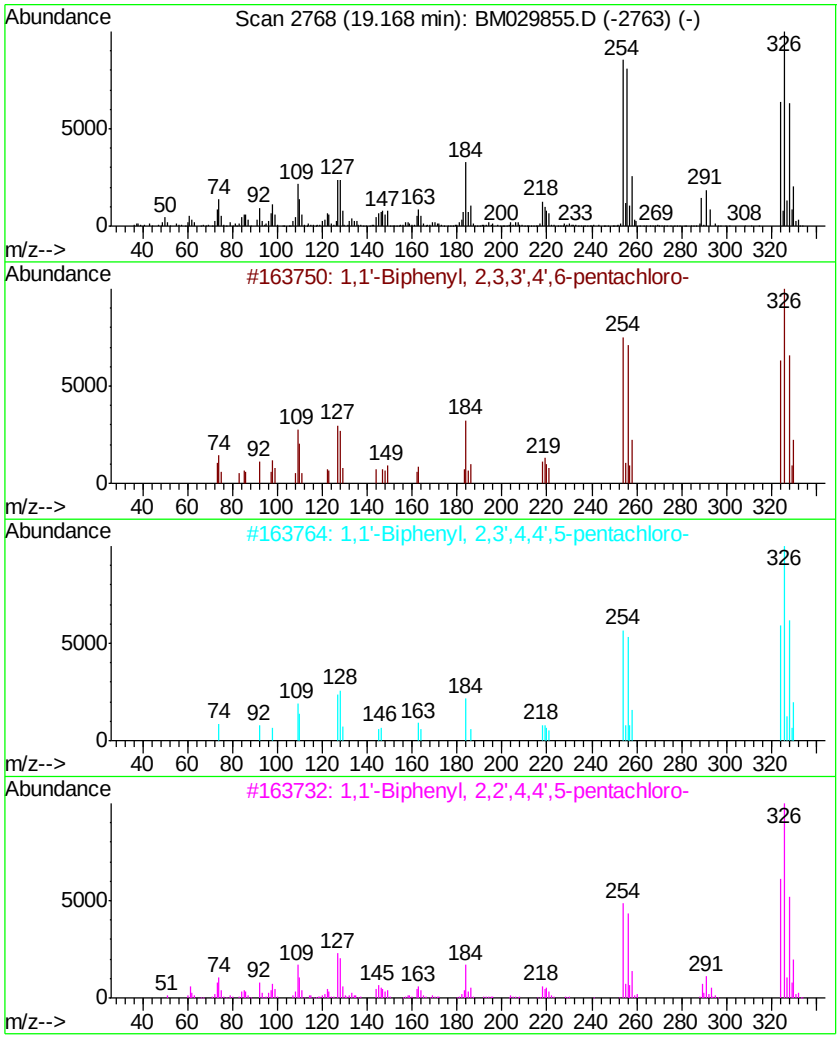
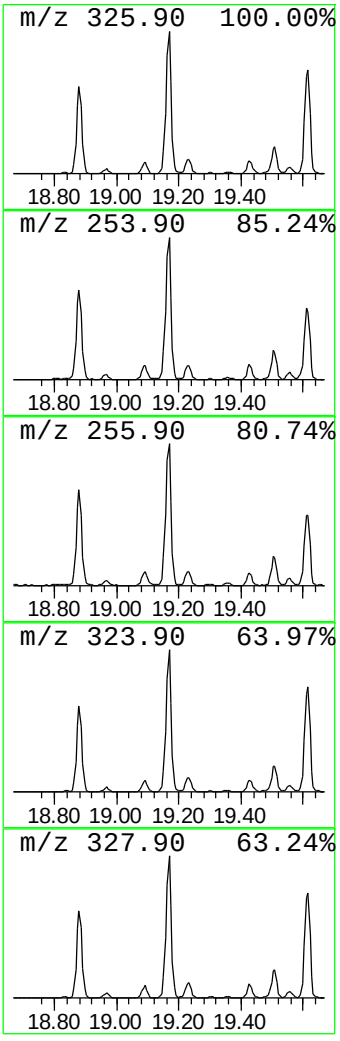
Peak Number 12 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.17 | 23.58 ng/ul | 1347750 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 99 |
| 4 | 2,3,3,',5',6-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 068194-10-5 | 99 |
| 5 | 2,3',4',5',6-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 074472-39-2 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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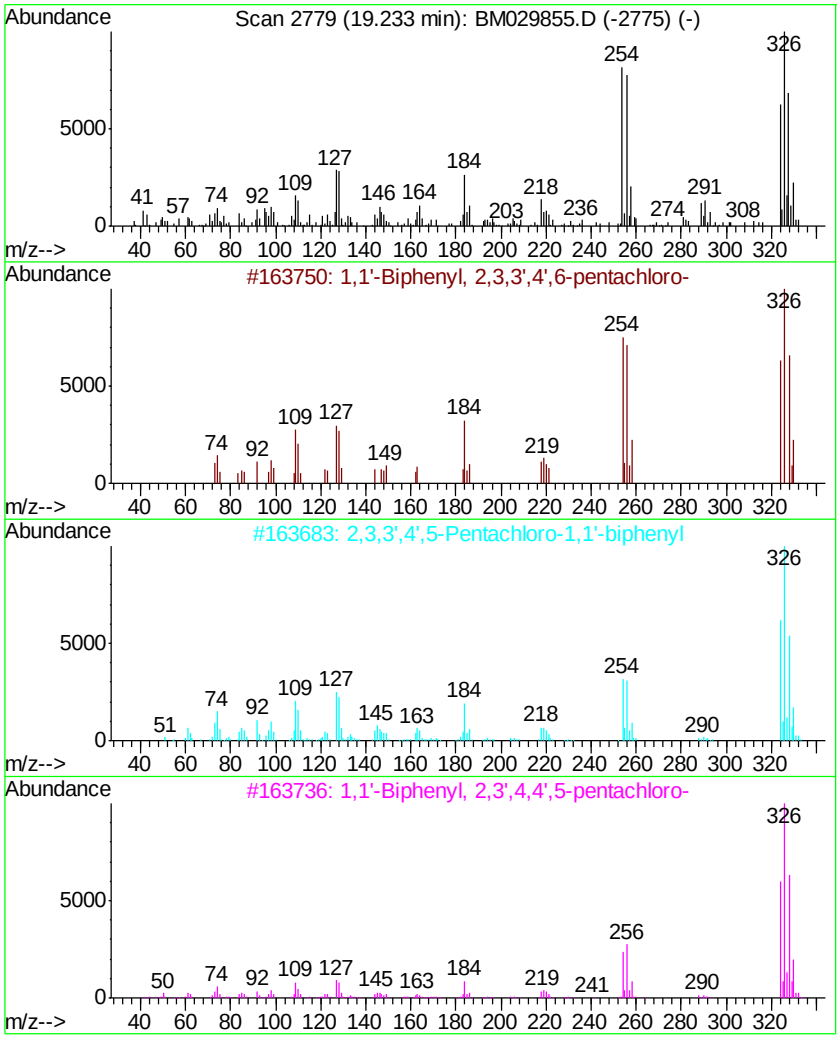
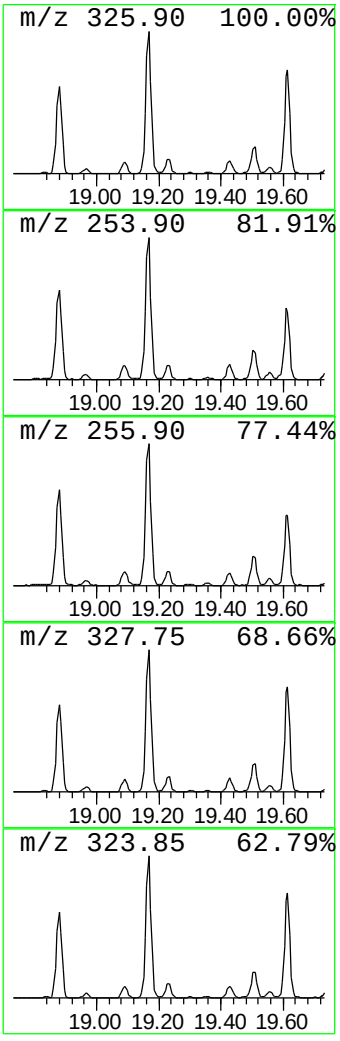
Peak Number 13 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.23 | 2.54 ng/ul | 145107 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 2 | 2,3,3',4',5-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070424-68-9 | 99 |
| 3 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 5 | 3,3',4,5,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 039635-33-1 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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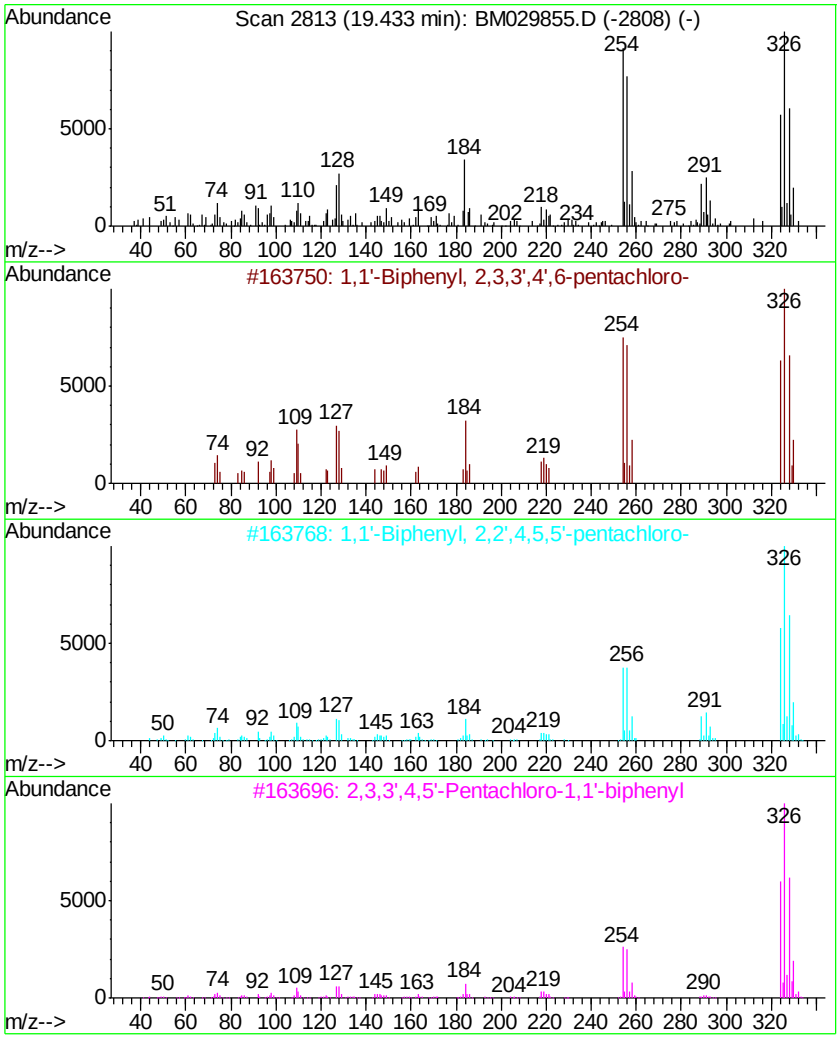
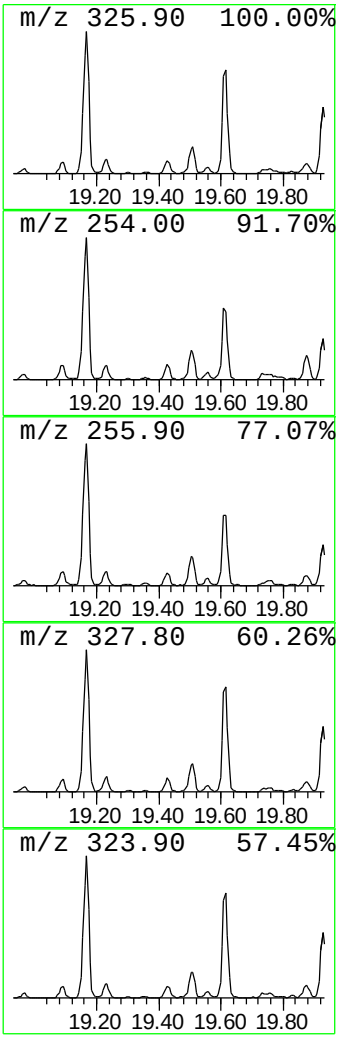
Peak Number 14 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.43 | 2.69 ng/ul | 153895 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5 | 037680-73-2 | 99 |
| 3 | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 99 |
| 4 | 2,3,3,',5',6-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 068194-10-5 | 99 |
| 5 | 2,2',3,4',5-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 068194-07-0 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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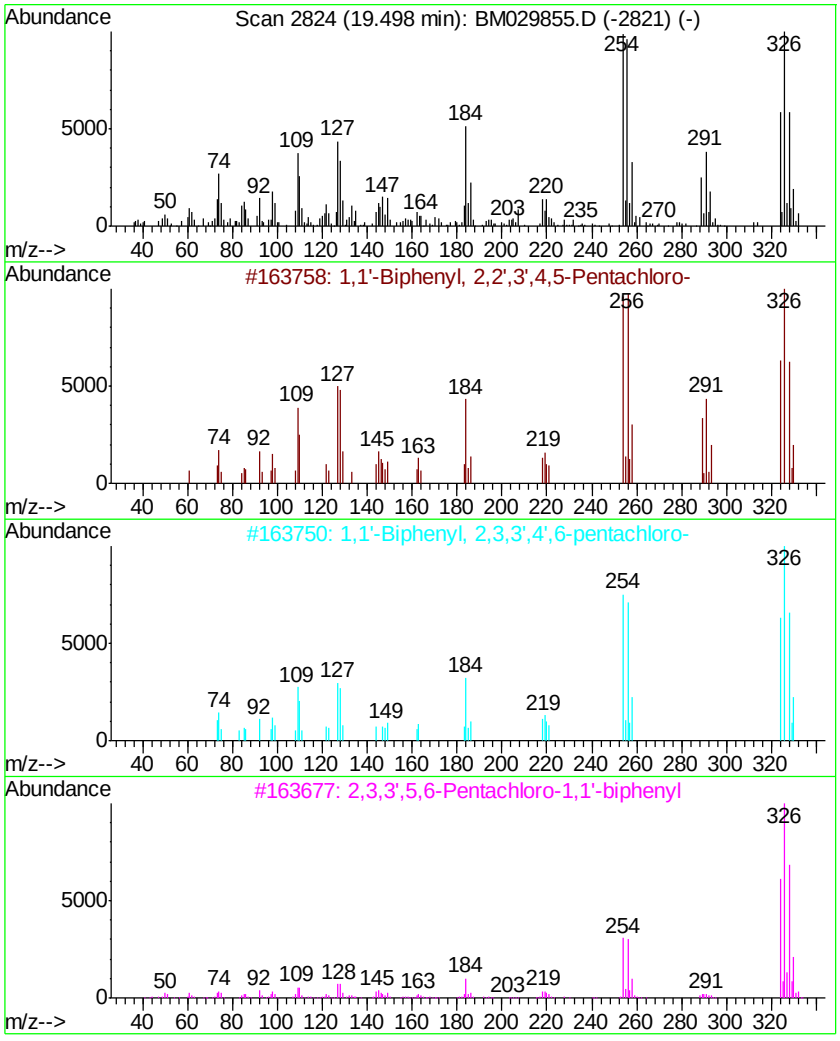
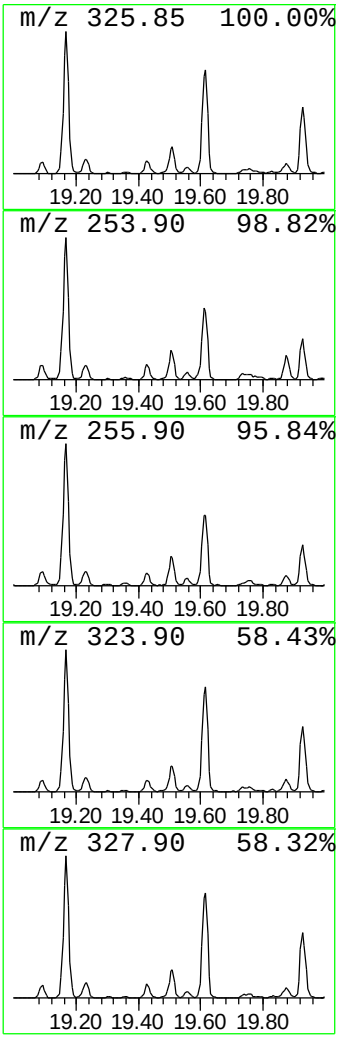
Peak Number 15 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.50 | 4.80 ng/ul | 274508 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3',4,5-Penta... | 324 | C12H5Cl5 | 041464-51-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 3 | 2,3,3',5,6-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 074472-36-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4-penta... | 324 | C12H5Cl5 | 052663-62-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,5,6'-penta... | 324 | C12H5Cl5 | 068194-06-9 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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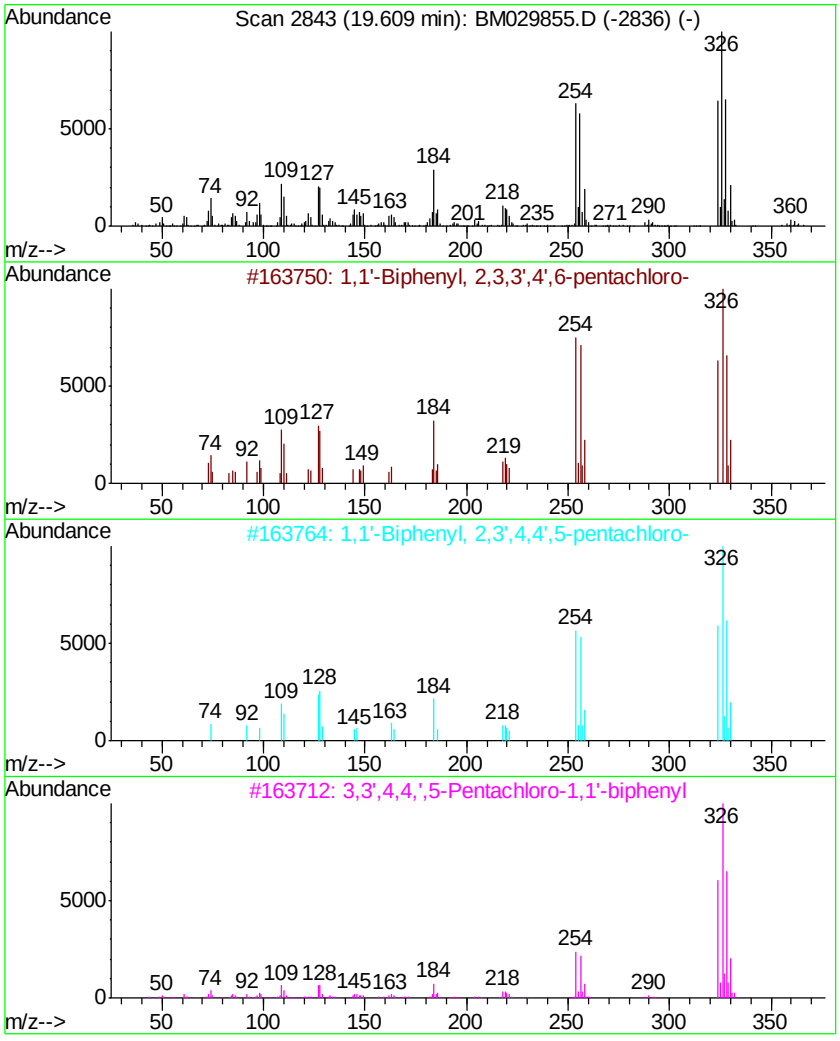
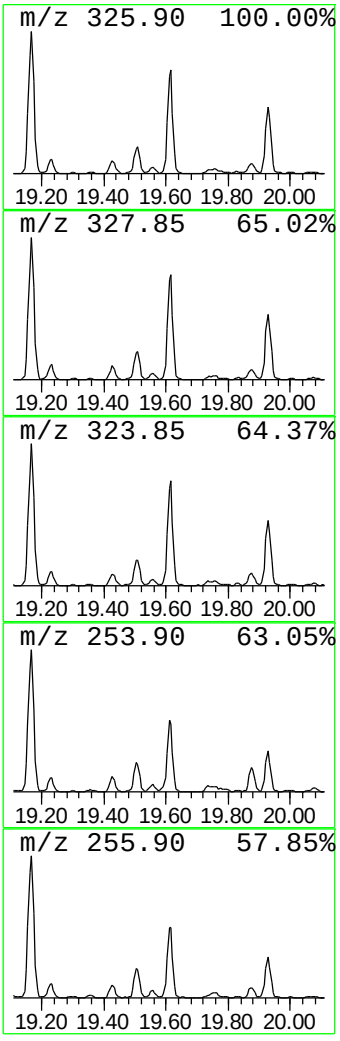
Peak Number 16 3,3',4,4',5-Pentachloro-1,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.61 | 19.26 ng/ul | 1101180 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99 |
| 3 | 3,3',4,4',5-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 057465-28-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99 |
| 5 | 3,3',4,5,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 039635-33-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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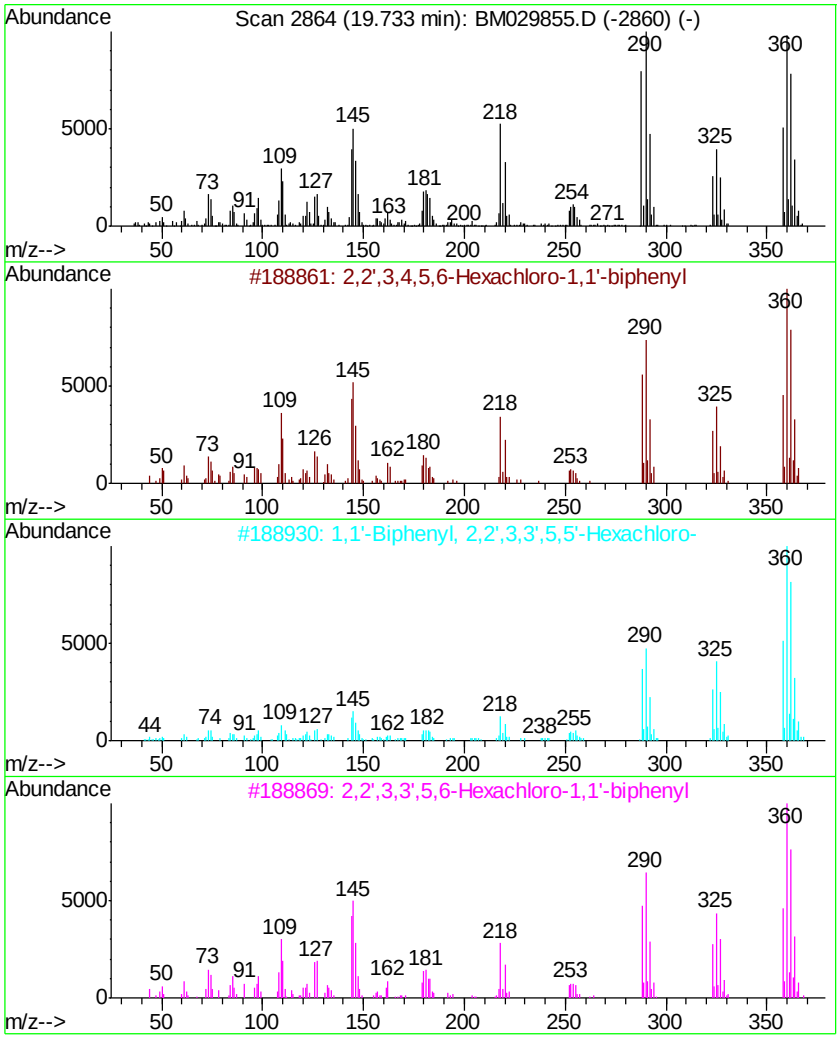
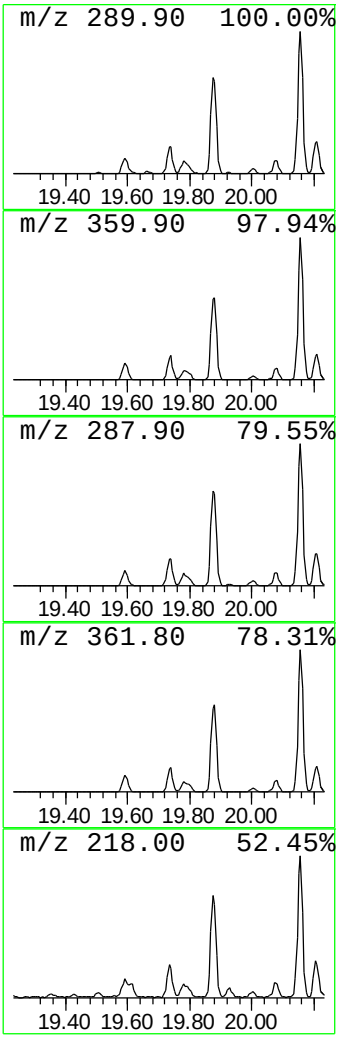
Peak Number 17 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.73 | 11.99 ng/ul | 685521 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4,5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-61-4 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',5,5'-He... | 358 | C12H4Cl6 | 035694-04-3 | 99 |
| 3 | 2,2',3,3',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 052704-70-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,5-hex... | 358 | C12H4Cl6 | 055215-18-4 | 99 |
| 5 | 2,2',3,4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-13-8 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

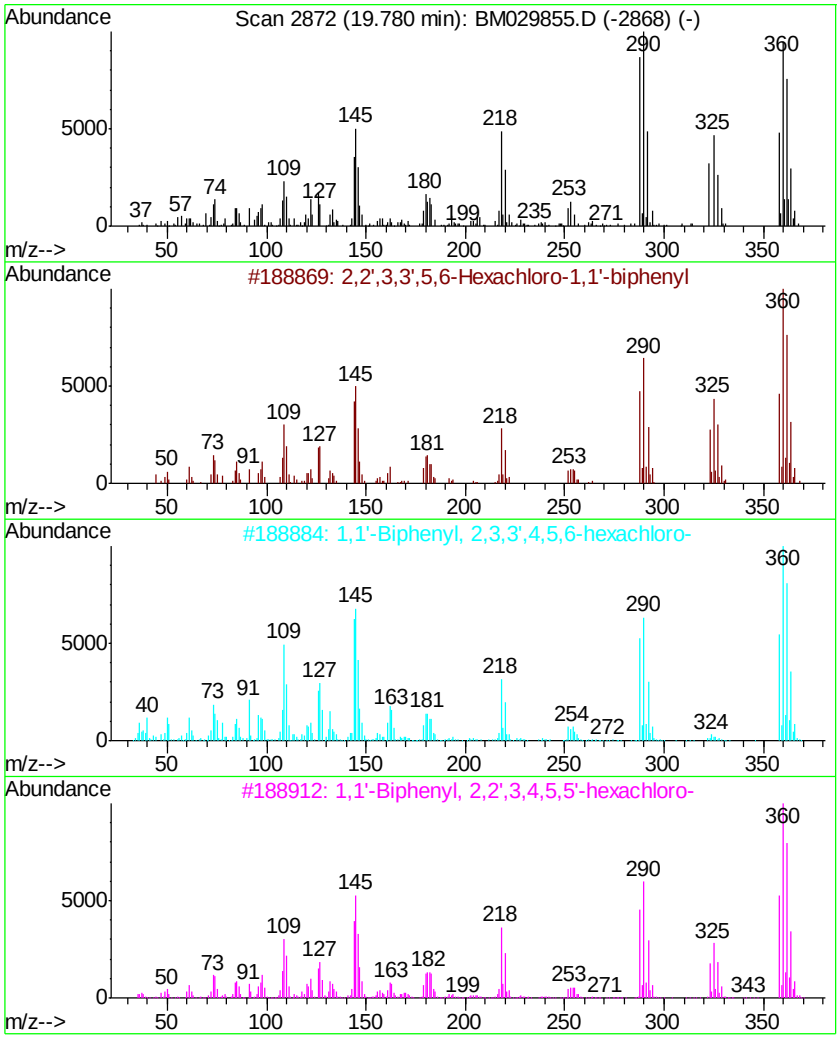
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

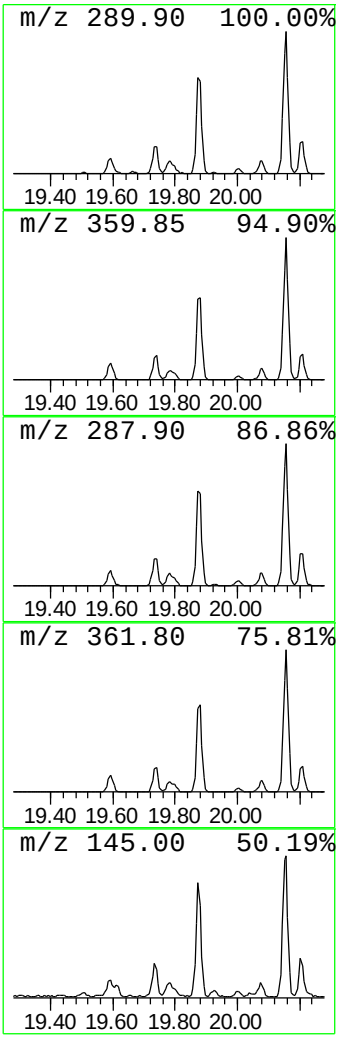
**********

Peak Number 18 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.78 | 7.30 ng/ul | 417313 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,3',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 052704-70-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,5,6-hexa... | 358 | C12H4Cl6 | 041411-62-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99 |
| 4 | 2,2',3,4,5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-61-4 | 96 |
| 5 | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-41-6 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

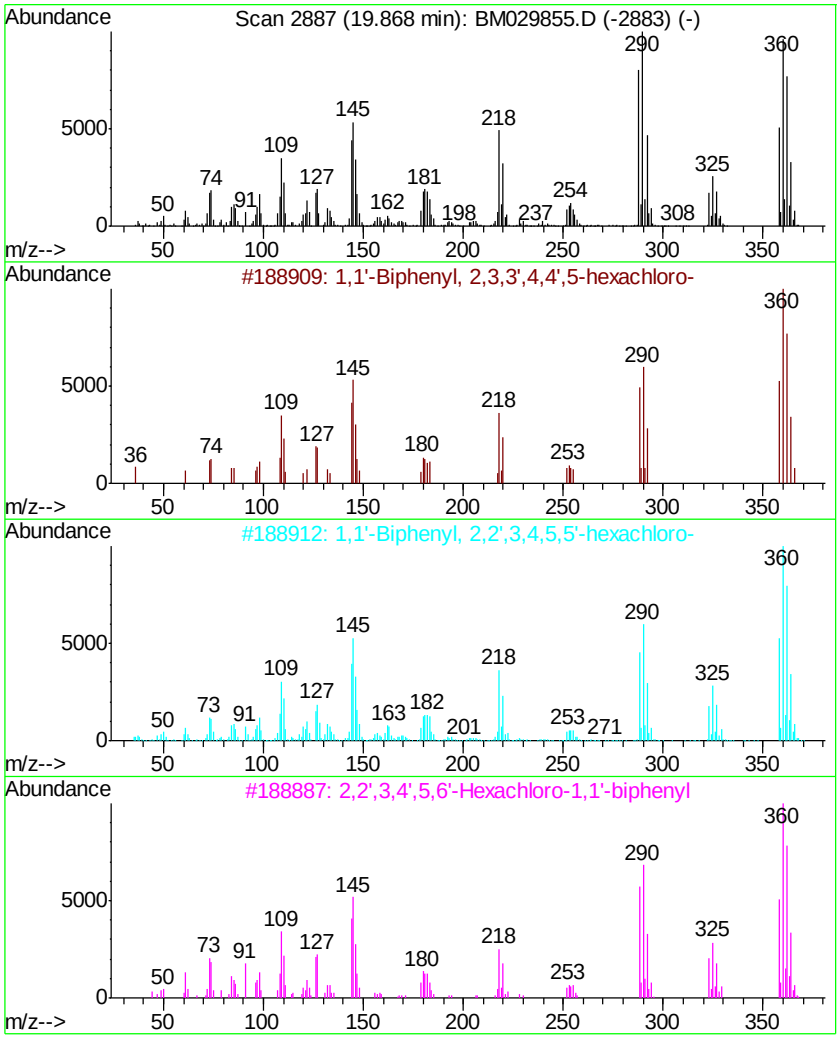
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

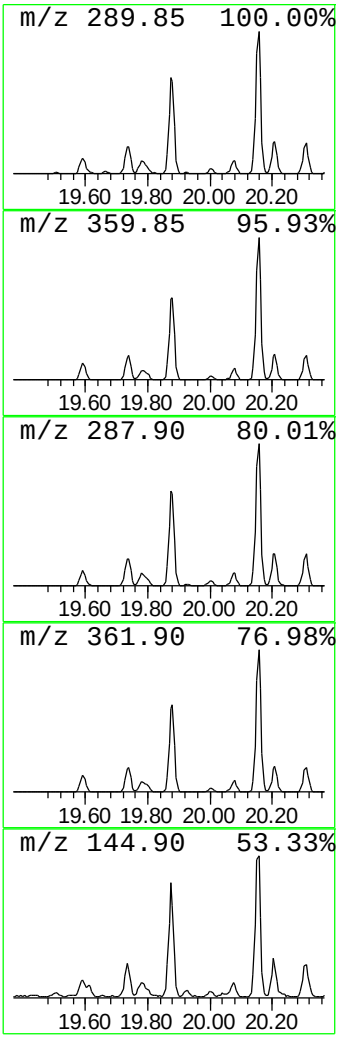
**********

Peak Number 19 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.87 | 38.82 ng/ul | 2219260 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99 |
| 3 | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-41-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4',5',6-he... | 358 | C12H4Cl6 | 038380-04-0 | 99 |
| 5 | 2,2',3,4,4',6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-64-4 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

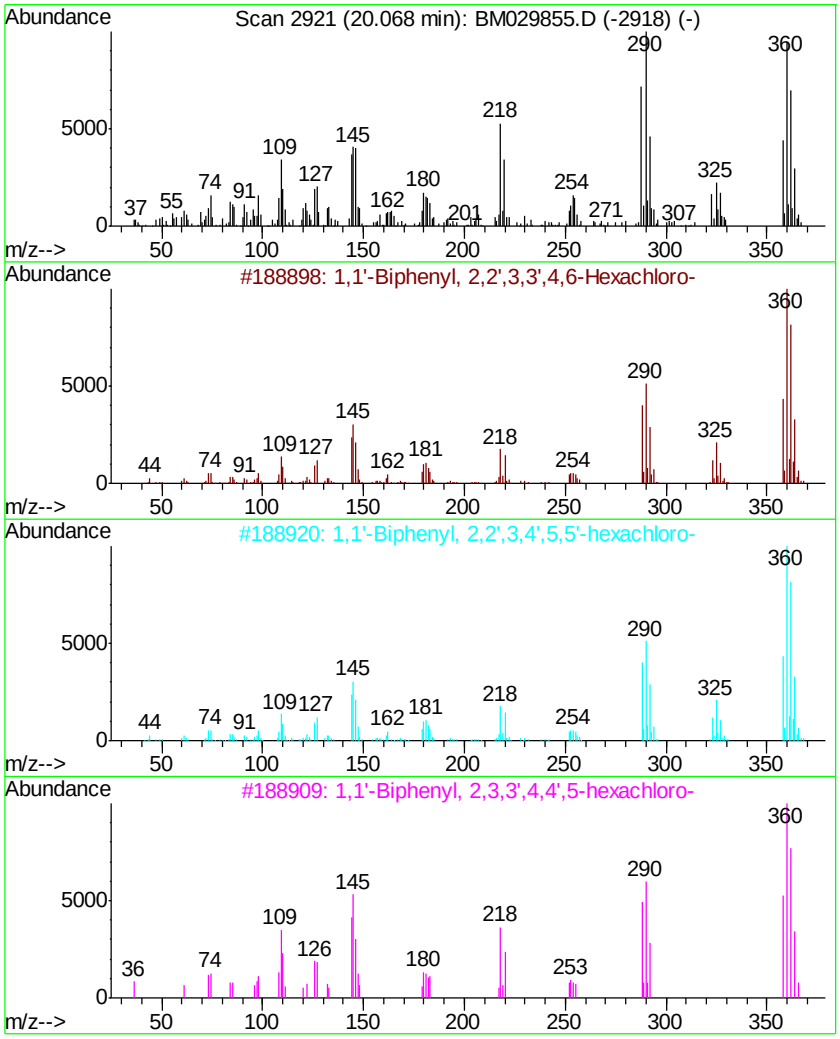
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

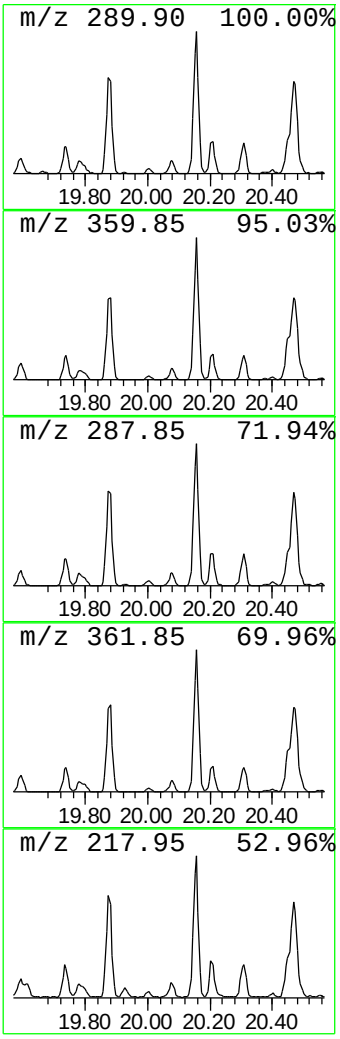
**********

Peak Number 21 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.07 | 5.46 ng/ul | 312312 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,6-Hex... | 358 | C12H4Cl6 | 061798-70-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 5 | 2,2',3,4,4',6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-64-4 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

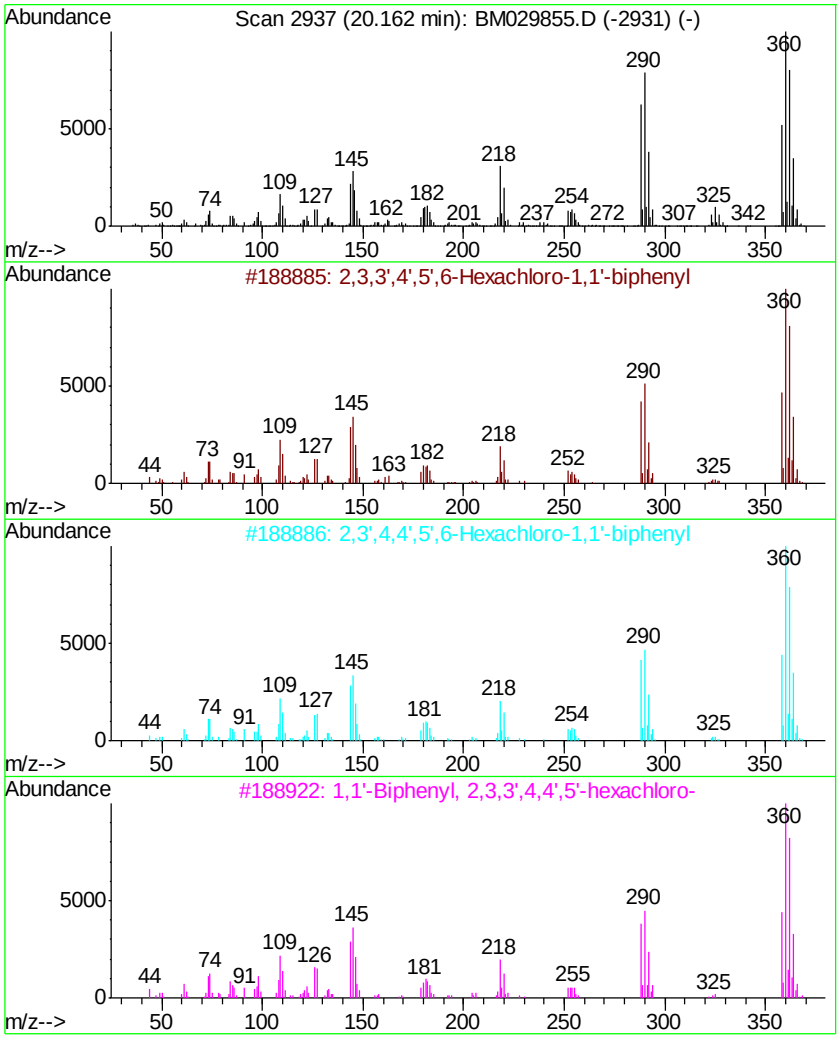
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

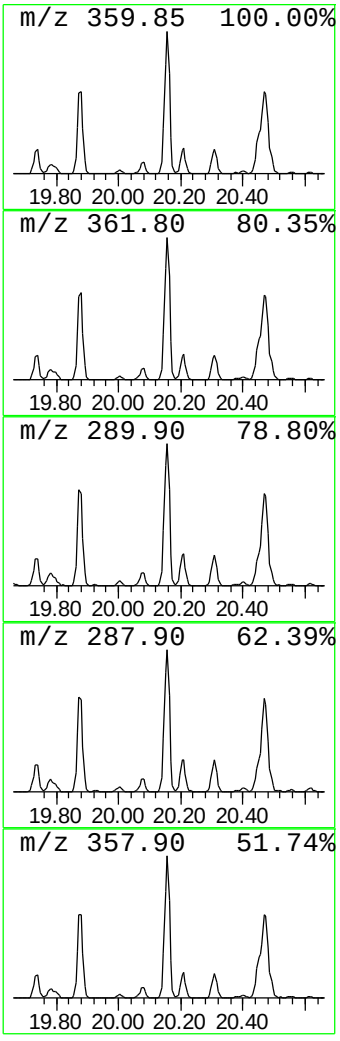
**********

Peak Number 22 2,3,3',4',5',6-Hexachloro-1... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.16 | 52.17 ng/ul | 2982270 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-45-0 | 99 |
| 2 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4',5'-he... | 358 | C12H4Cl6 | 069782-90-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 5 | 2,2',3,4',6,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 068194-08-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

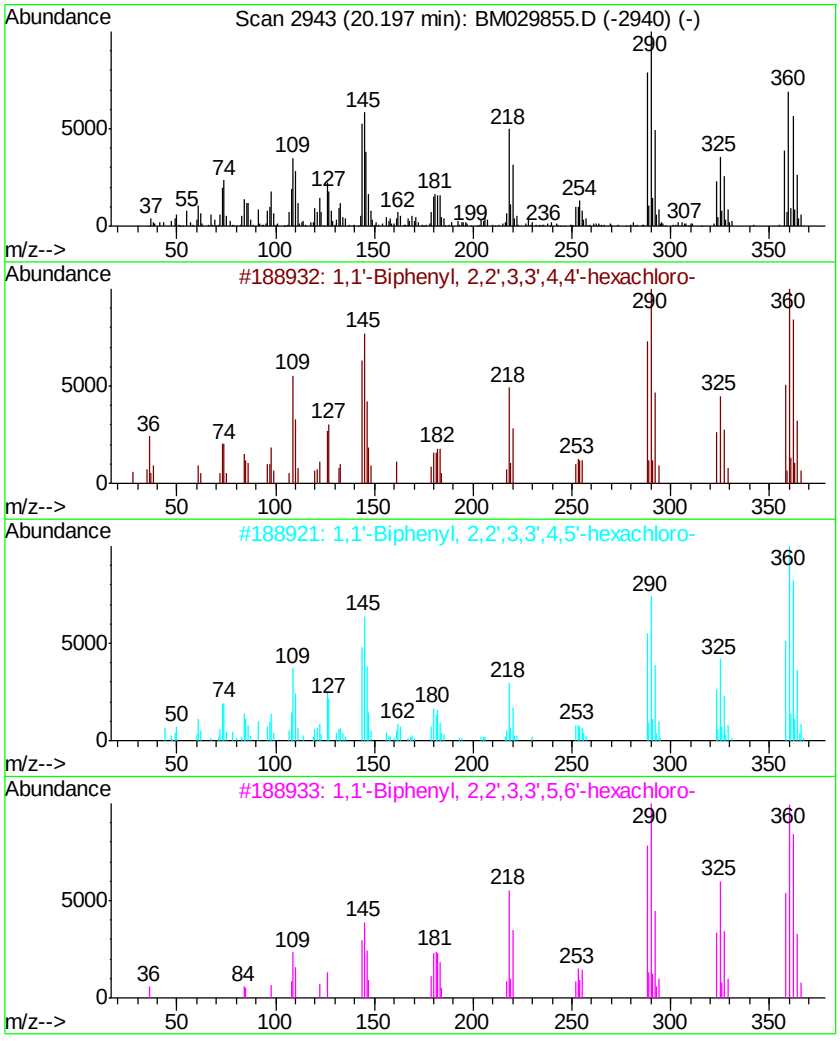
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

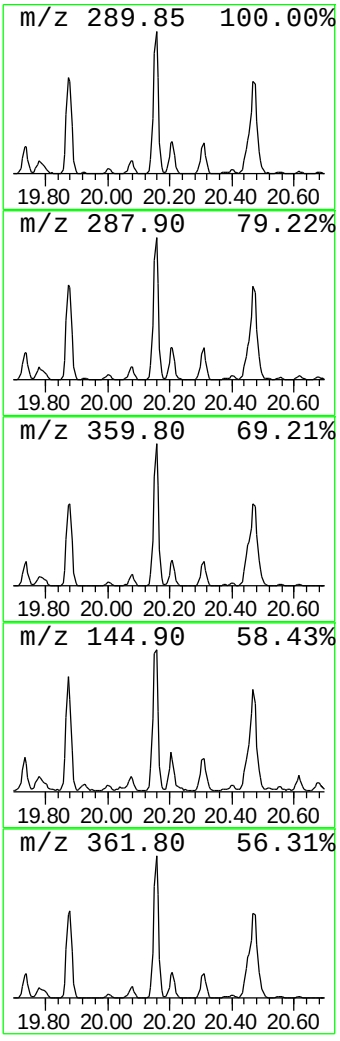
**********

Peak Number 23 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.20 | 16.26 ng/ul | 929732 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5'-he... | 358 | C12H4Cl6 | 052663-66-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',5,6'-he... | 358 | C12H4Cl6 | 052744-13-5 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,6'-he... | 358 | C12H4Cl6 | 038380-05-1 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

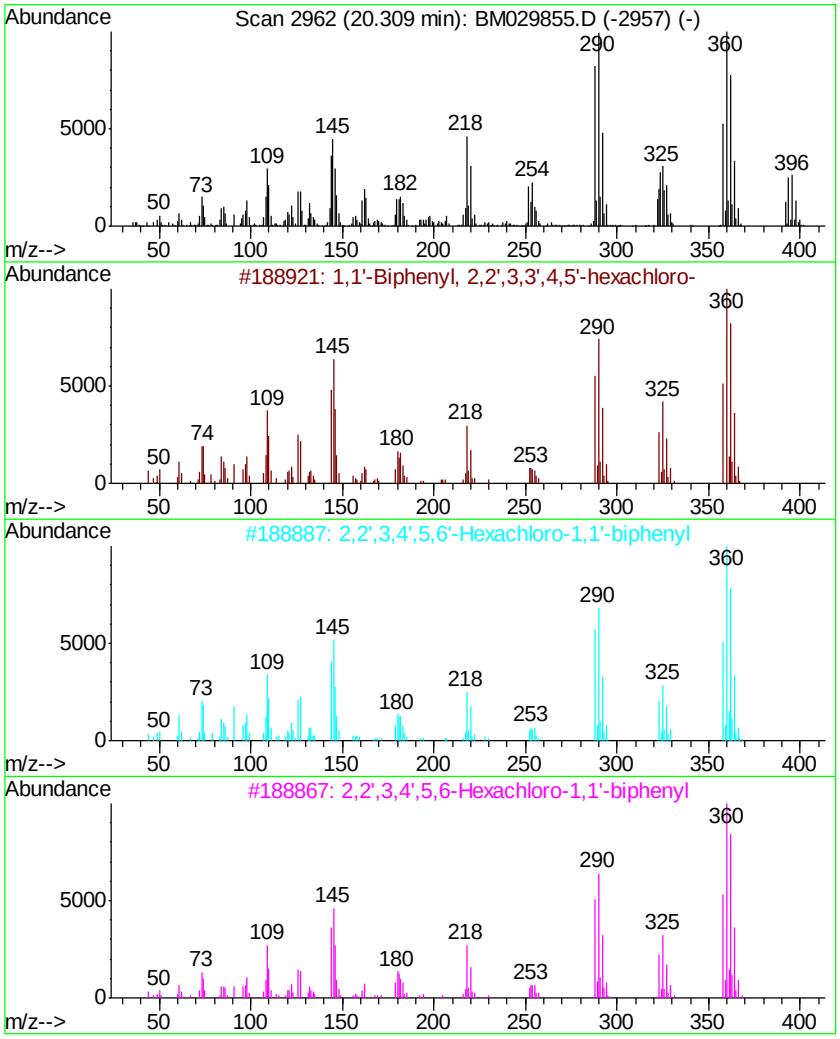
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

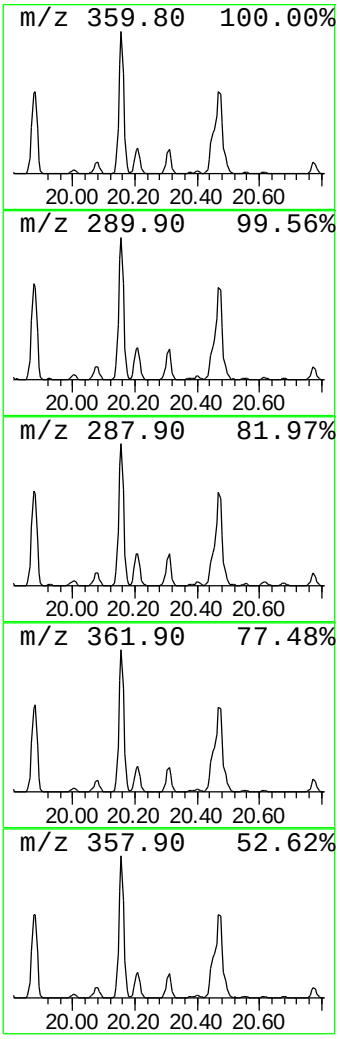
**********

Peak Number 24 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 17.27 ng/ul | 987148 | Chrysene-d12 | 21.14 |

| 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 | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-41-6 | 99 |
| 3 | 2,2',3,4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-13-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5'-he... | 358 | C12H4Cl6 | 035065-28-2 | 99 |
| 5 | 2,2',3,4,4',6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-64-4 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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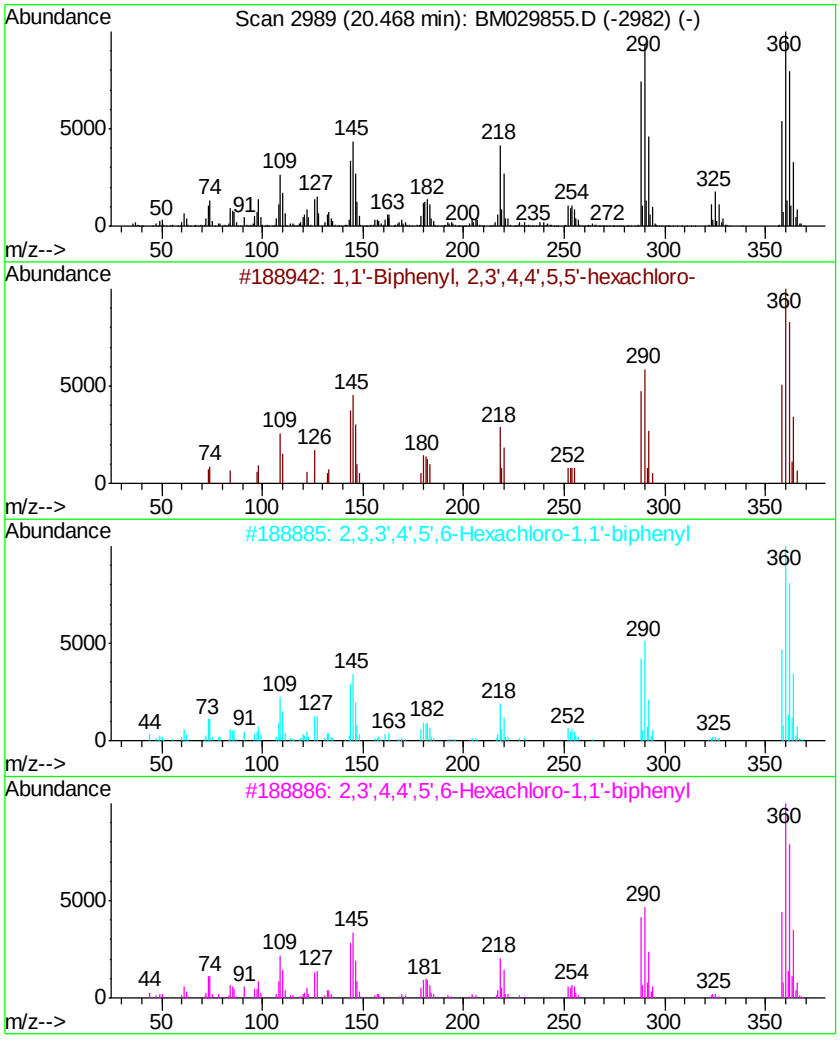
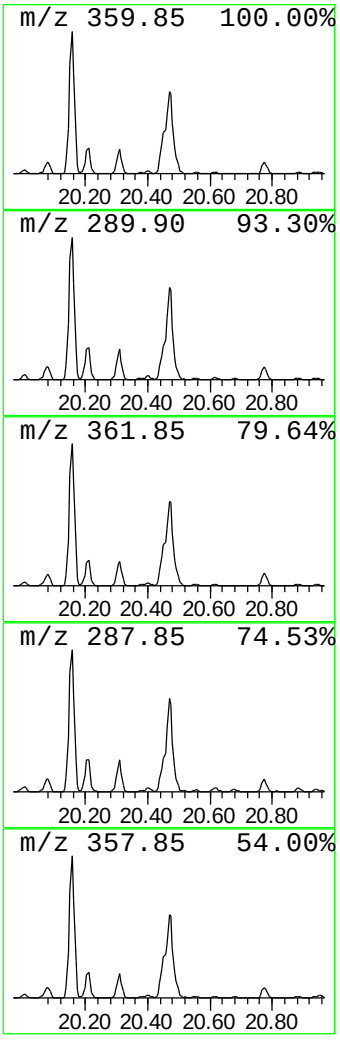
Peak Number 26 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.47 | 53.11 ng/ul | 3036080 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 2 | 2,3,3',4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-45-0 | 99 |
| 3 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 5 | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-63-6 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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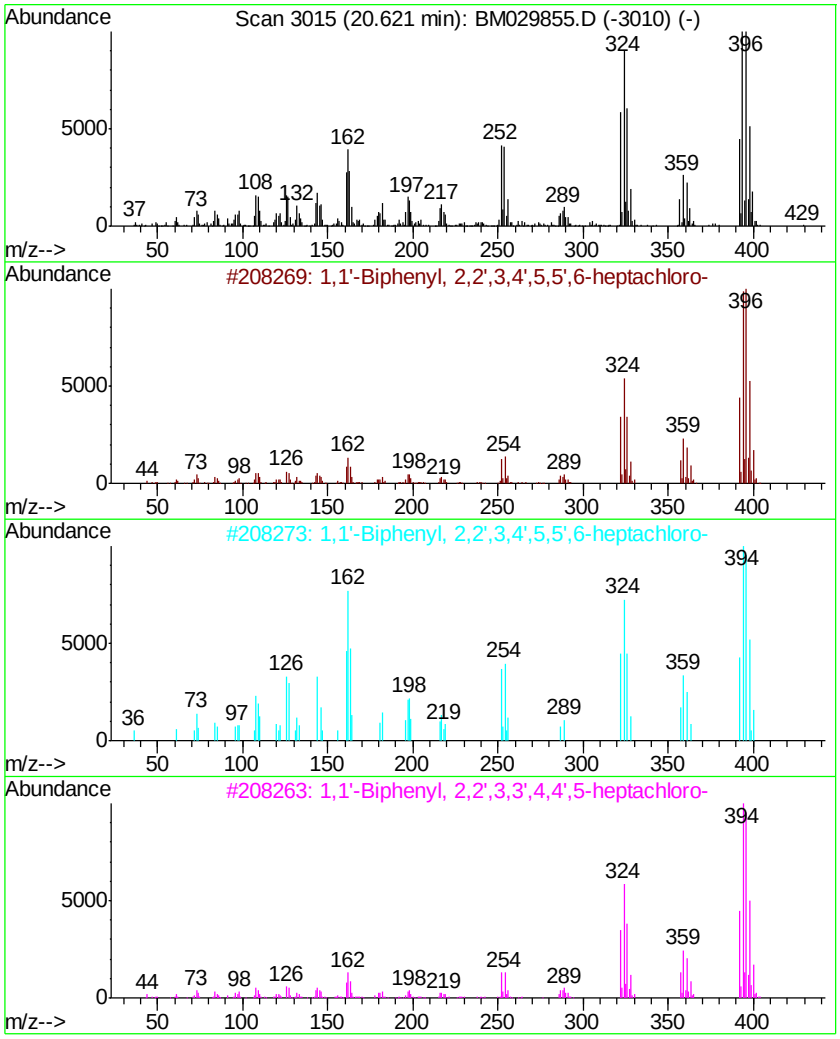
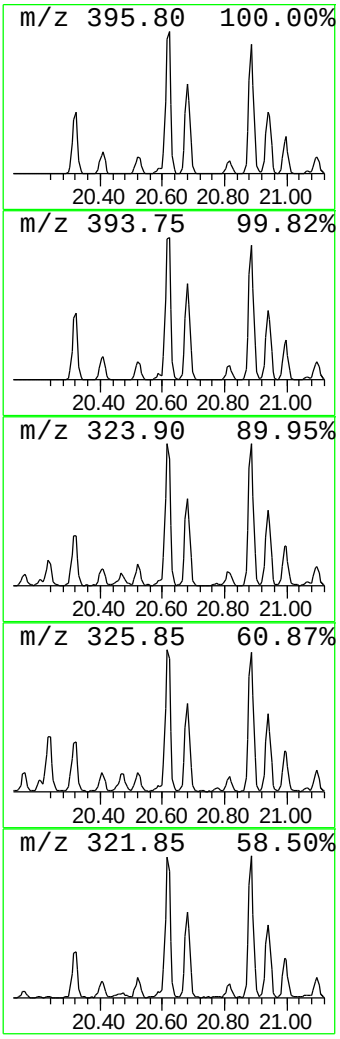
Peak Number 27 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.62 | 17.64 ng/ul | 1008400 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',5,6'-... | 392 | C12H3Cl7 | 060145-23-5 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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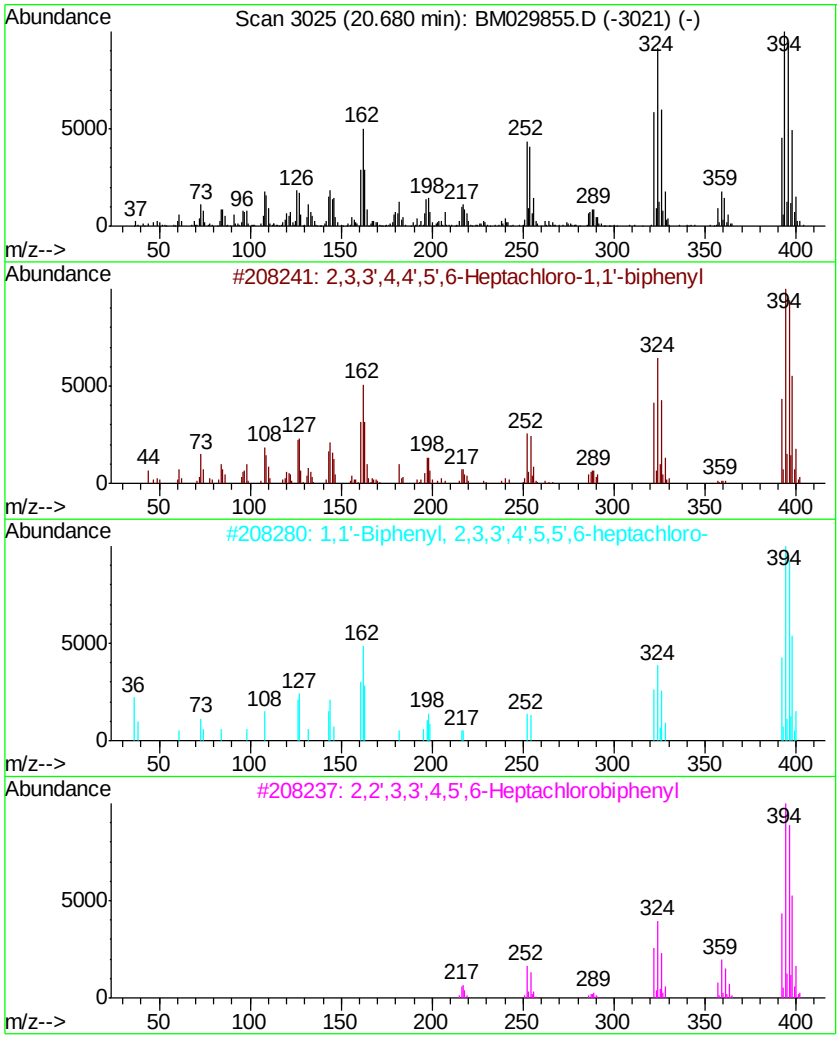
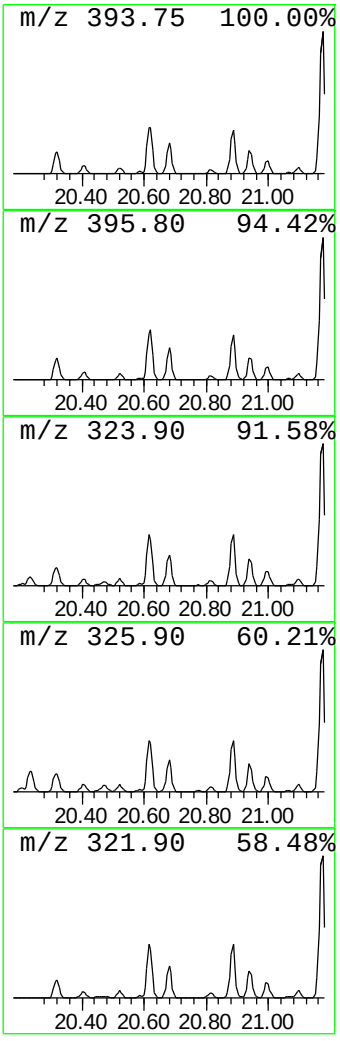
Peak Number 28 2,3,3',4,4',5',6-Heptachlor... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.68 | 10.46 ng/ul | 597867 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',4,4',5',6-Heptachloro-1,1... | 392 | C12H3Cl7 | 074472-50-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4',5,5',6-... | 392 | C12H3Cl7 | 069782-91-8 | 99 |
| 3 | 2,2',3,3',4,5',6-Heptachlorobiph... | 392 | C12H3Cl7 | 040186-70-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

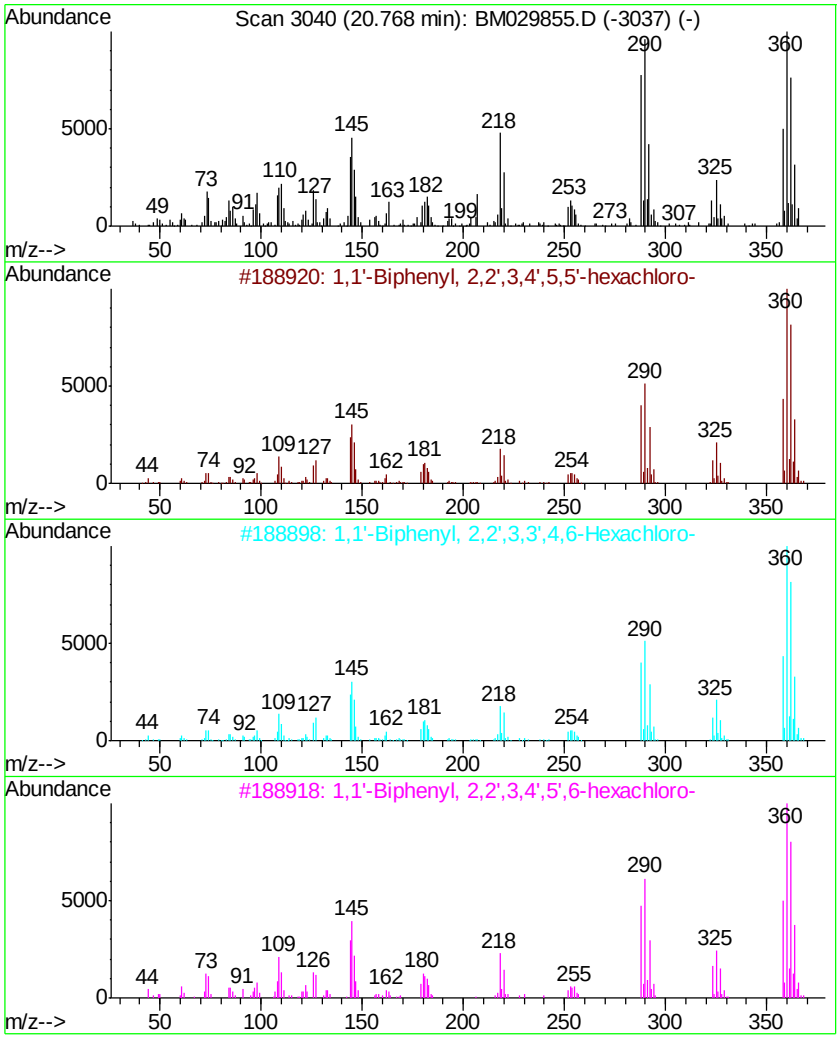
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

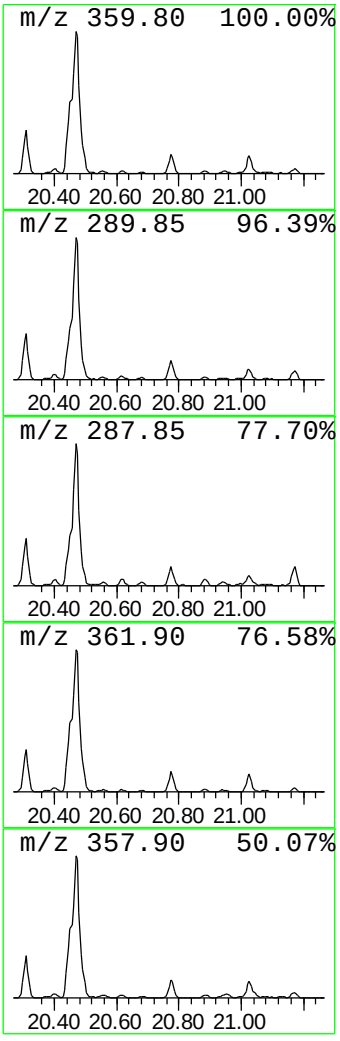
**********

Peak Number 29 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.77 | 4.64 ng/ul | 265367 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4',5,5'-he... | 358 | C12H4Cl6 | 051908-16-8 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,6-Hex... | 358 | C12H4Cl6 | 061798-70-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4',5',6-he... | 358 | C12H4Cl6 | 038380-04-0 | 99 |
| 4 | 2,2',3,4,4',6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-64-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358 | C12H4Cl6 | 056030-56-9 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

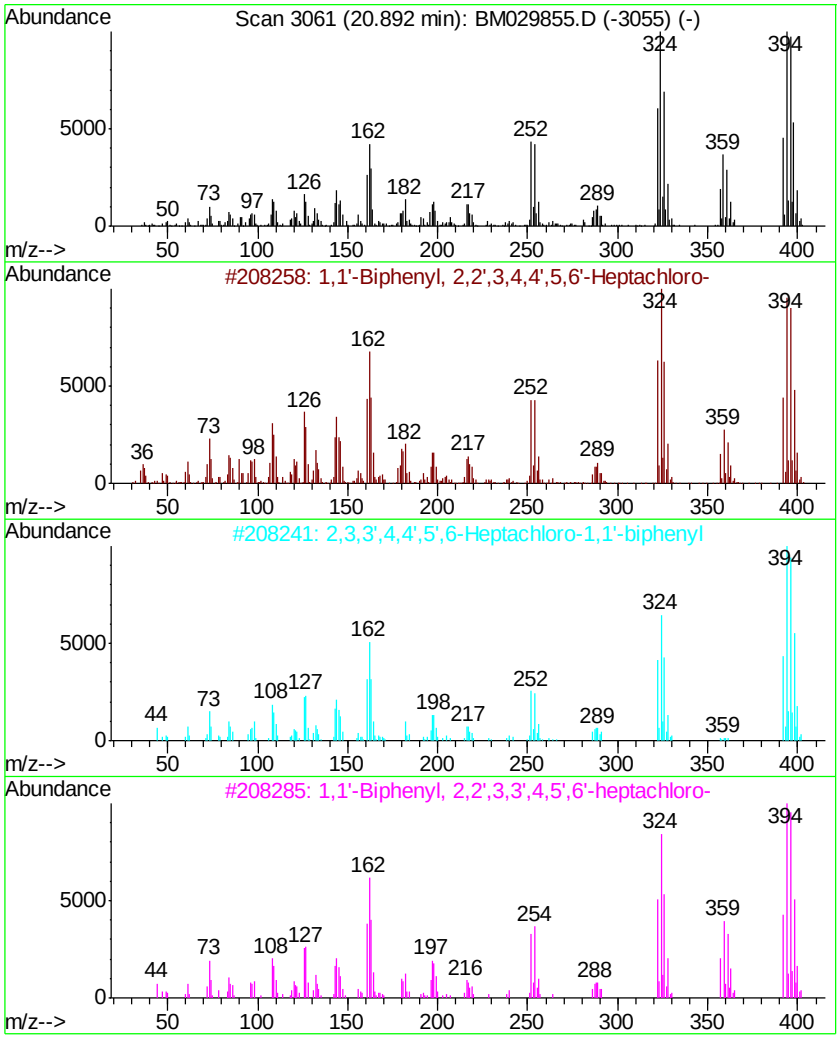
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

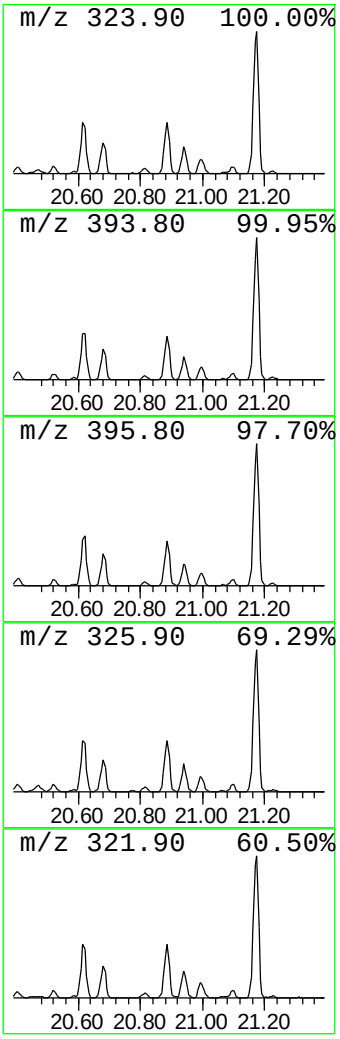
**********

Peak Number 30 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.89 | 17.42 ng/ul | 995552 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4,4',5,6'-... | 392 | C12H3Cl7 | 060145-23-5 | 99 |
| 2 | 2,3,3',4,4',5',6-Heptachloro-1,1... | 392 | C12H3Cl7 | 074472-50-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,5',6'... | 392 | C12H3Cl7 | 052663-70-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4',5,5'-... | 392 | C12H3Cl7 | 039635-31-9 | 99 |
| 5 | 2,2',3,3',4,5,6-Heptachloro-1,1'... | 392 | C12H3Cl7 | 068194-16-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

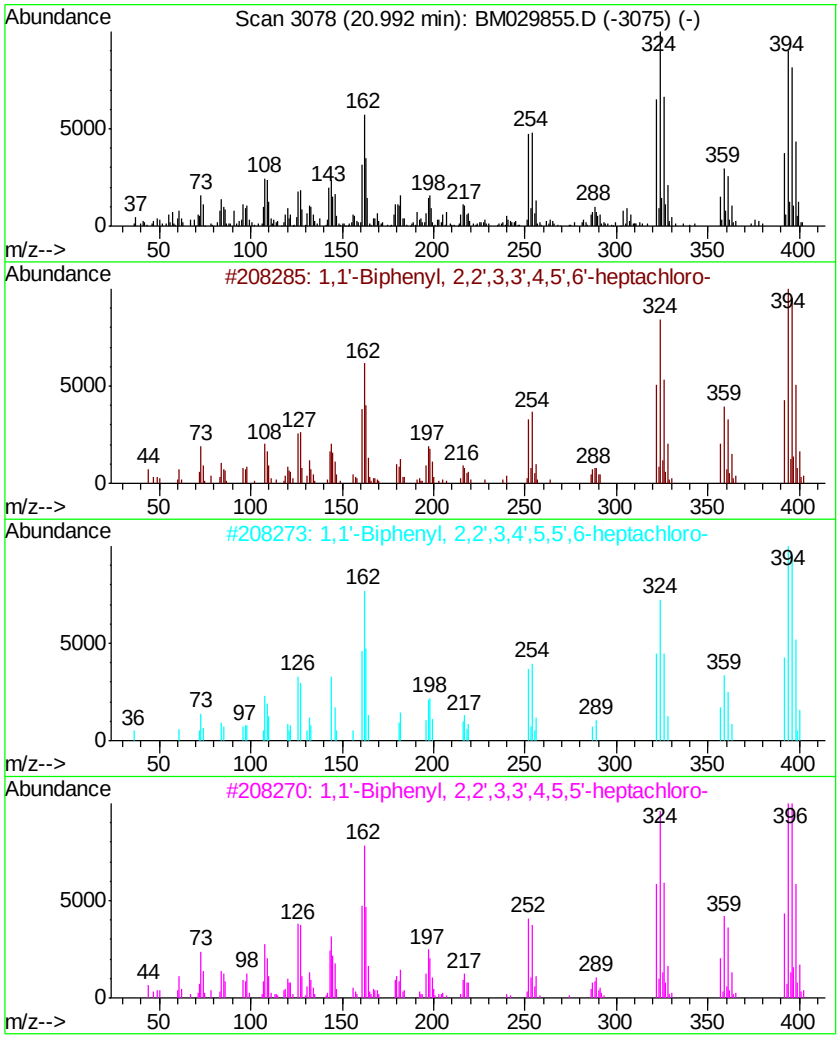
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

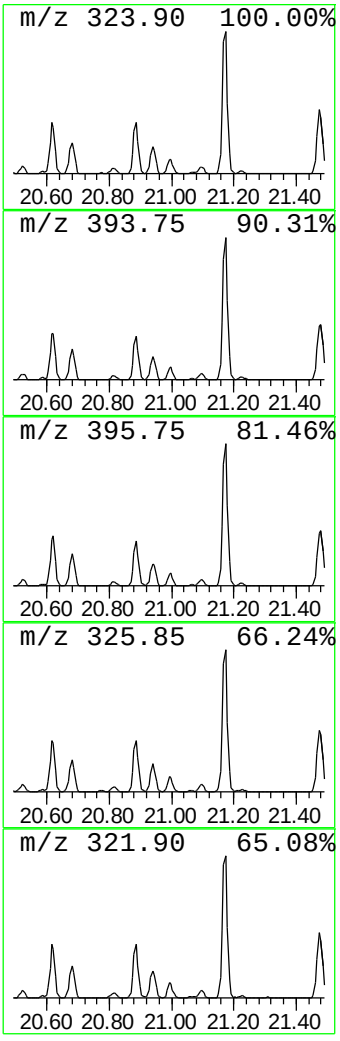
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.99 | 5.36 ng/ul | 306517 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,5',6'... | 392 | C12H3Cl7 | 052663-70-4 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4',5,5',6-... | 392 | C12H3Cl7 | 052663-68-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,5,5'-... | 392 | C12H3Cl7 | 052663-74-8 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5,6'-... | 392 | C12H3Cl7 | 060145-23-5 | 99 |
| 5 | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074487-85-7 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

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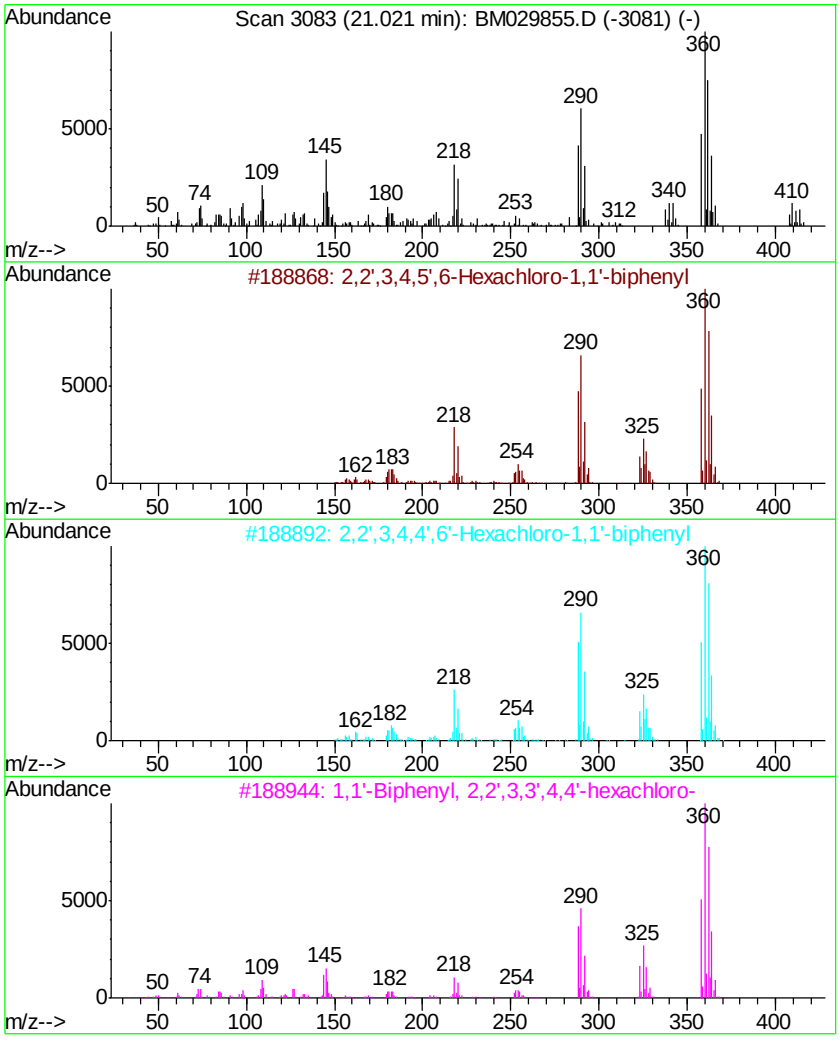
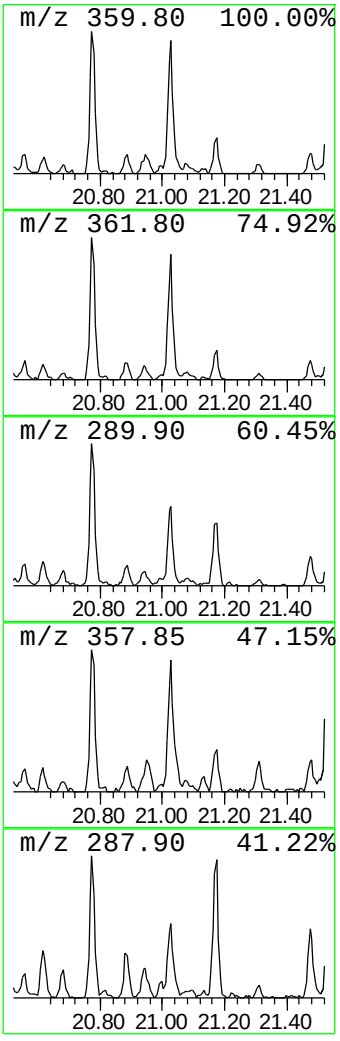
Peak Number 33 2,2',3,4,5',6-Hexachloro-1,... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.02 | 3.73 ng/ul | 213166 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-14-9 | 98 |
| 2 | 2,2',3,4,4',6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-64-4 | 98 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 97 |
| 4 | 2,2',3,4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-13-8 | 96 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,5'-he... | 358 | C12H4Cl6 | 052663-66-8 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050421\
Data File : BM029855.D
Acq On : 06 May 2021 08:55
Operator : CG/JU
Sample : M2240-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B64

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 2.99 | 6.2 | ng/ul | 214480 | 1 | 7.56 | 696703 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.56 | 7.4 | ng/ul | 509364 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 17.81 | 2.1 | ng/ul | 147264 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.09 | 4.6 | ng/ul | 320044 | 4 | 16.96 | 1378660 | 20.0 |
| Biphenyl, 2,4,4',... | 18.13 | 2.0 | ng/ul | 140496 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.32 | 5.9 | ng/ul | 406292 | 4 | 16.96 | 1378660 | 20.0 |
| 2,3',4,5-Tetrachl... | 18.49 | 3.8 | ng/ul | 258206 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.80 | 3.0 | ng/ul | 206320 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.88 | 21.0 | ng/ul | 1446710 | 4 | 16.96 | 1378660 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.17 | 23.6 | ng/ul | 1347750 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.23 | 2.5 | ng/ul | 145107 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.43 | 2.7 | ng/ul | 153895 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.50 | 4.8 | ng/ul | 274508 | 5 | 21.14 | 1143300 | 20.0 |
| 3,3',4,4',5-Pent... | 19.61 | 19.3 | ng/ul | 1101180 | 5 | 21.14 | 1143300 | 20.0 |
| 2,2',3,4,5,6-Hexa... | 19.73 | 12.0 | ng/ul | 685521 | 5 | 21.14 | 1143300 | 20.0 |
| 2,2',3,3',5,6-Hex... | 19.78 | 7.3 | ng/ul | 417313 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.87 | 38.8 | ng/ul | 2219260 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.07 | 5.5 | ng/ul | 312312 | 5 | 21.14 | 1143300 | 20.0 |
| 2,3,3',4',5',6-He... | 20.16 | 52.2 | ng/ul | 2982270 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.20 | 16.3 | ng/ul | 929732 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.31 | 17.3 | ng/ul | 987148 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.47 | 53.1 | ng/ul | 3036080 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.62 | 17.6 | ng/ul | 1008400 | 5 | 21.14 | 1143300 | 20.0 |
| 2,3,3',4,4',5',6-... | 20.68 | 10.5 | ng/ul | 597867 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.77 | 4.6 | ng/ul | 265367 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.89 | 17.4 | ng/ul | 995552 | 5 | 21.14 | 1143300 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.99 | 5.4 | ng/ul | 306517 | 5 | 21.14 | 1143300 | 20.0 |
| 2,2',3,4,5',6-Hex... | 21.02 | 3.7 | ng/ul | 213166 | 5 | 21.14 | 1143300 | 20.0 |