LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

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-BM040721MA.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 | 2.946 | 8 | 10 | 17 | rVB | 132321 | 145256 | 5.65% | 0.697% |
| 2 | 3.028 | 20 | 24 | 26 | rVV | 39904 | 41691 | 1.62% | 0.200% |
| 3 | 3.058 | 26 | 29 | 30 | rVV | 17215 | 16722 | 0.65% | 0.080% |
| 4 | 3.081 | 30 | 33 | 35 | rVV | 25856 | 25745 | 1.00% | 0.124% |
| 5 | 3.117 | 35 | 39 | 44 | rVB | 2645939 | 2570089 | 100.00% | 12.337% |
| 6 | 3.423 | 87 | 91 | 92 | rBV2 | 6112 | 6943 | 0.27% | 0.033% |
| 7 | 3.446 | 92 | 95 | 101 | rVB | 76507 | 90856 | 3.54% | 0.436% |
| 8 | 3.540 | 108 | 111 | 113 | rBV4 | 4539 | 4360 | 0.17% | 0.021% |
| 9 | 3.823 | 156 | 159 | 166 | rVB5 | 4542 | 6314 | 0.25% | 0.030% |
| 10 | 3.917 | 170 | 175 | 181 | rBV | 22076 | 27837 | 1.08% | 0.134% |
| 11 | 4.093 | 201 | 205 | 208 | rVB4 | 3797 | 4425 | 0.17% | 0.021% |
| 12 | 4.123 | 208 | 210 | 216 | rBV5 | 2316 | 3661 | 0.14% | 0.018% |
| 13 | 4.458 | 263 | 267 | 270 | rVB3 | 5281 | 6534 | 0.25% | 0.031% |
| 14 | 4.746 | 313 | 316 | 322 | rVB6 | 2737 | 5408 | 0.21% | 0.026% |
| 15 | 4.822 | 324 | 329 | 330 | rVV5 | 2430 | 3684 | 0.14% | 0.018% |
| 16 | 4.864 | 333 | 336 | 339 | rVB4 | 3421 | 3949 | 0.15% | 0.019% |
| 17 | 5.717 | 476 | 481 | 485 | rBV5 | 2944 | 5208 | 0.20% | 0.025% |
| 18 | 5.975 | 522 | 525 | 530 | rVB4 | 2424 | 3631 | 0.14% | 0.017% |
| 19 | 6.193 | 557 | 562 | 568 | rVB7 | 2861 | 4228 | 0.16% | 0.020% |
| 20 | 6.258 | 568 | 573 | 577 | rBV6 | 2084 | 3465 | 0.13% | 0.017% |
| 21 | 6.916 | 682 | 685 | 692 | rVB7 | 1767 | 2679 | 0.10% | 0.013% |
| 22 | 7.322 | 747 | 754 | 755 | rBV4 | 3858 | 5528 | 0.22% | 0.027% |
| 23 | 7.687 | 809 | 816 | 823 | rBV | 553284 | 856836 | 33.34% | 4.113% |
| 24 | 8.322 | 921 | 924 | 929 | rBV4 | 2027 | 3654 | 0.14% | 0.018% |
| 25 | 8.916 | 1021 | 1025 | 1029 | rVB4 | 2416 | 3801 | 0.15% | 0.018% |
| 26 | 10.334 | 1261 | 1266 | 1271 | rBV4 | 7724 | 13411 | 0.52% | 0.064% |
| 27 | 10.469 | 1280 | 1289 | 1296 | rBV | 678911 | 1152802 | 44.85% | 5.534% |
| 28 | 11.910 | 1528 | 1534 | 1538 | rBV5 | 2270 | 3642 | 0.14% | 0.017% |
| 29 | 12.140 | 1566 | 1573 | 1576 | rBV4 | 2301 | 4064 | 0.16% | 0.020% |
| 30 | 12.357 | 1606 | 1610 | 1615 | rBV3 | 2890 | 5236 | 0.20% | 0.025% |
| 31 | 13.157 | 1743 | 1746 | 1752 | rVB4 | 5015 | 7139 | 0.28% | 0.034% |
| 32 | 13.640 | 1824 | 1828 | 1829 | rBV2 | 2786 | 2580 | 0.10% | 0.012% |
| 33 | 13.692 | 1834 | 1837 | 1841 | rVB5 | 2525 | 3920 | 0.15% | 0.019% |
| 34 | 14.151 | 1913 | 1915 | 1921 | rVB4 | 2498 | 3570 | 0.14% | 0.017% |

LSC Area Percent Report

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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

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-BM040721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.240 | 1925 | 1930 | 1936 | rBV6 | 4379 | 8267 | 0.32% | 0.040% |
| 36 | 14.322 | 1936 | 1944 | 1954 | rBV | 1034468 | 1487599 | 57.88% | 7.141% |
| 37 | 14.722 | 2007 | 2012 | 2016 | rVB3 | 4720 | 6783 | 0.26% | 0.033% |
| 38 | 14.857 | 2031 | 2035 | 2040 | rBV7 | 2325 | 4099 | 0.16% | 0.020% |
| 39 | 15.122 | 2077 | 2080 | 2082 | rBV4 | 2502 | 3056 | 0.12% | 0.015% |
| 40 | 15.192 | 2088 | 2092 | 2096 | rBV4 | 5238 | 8328 | 0.32% | 0.040% |
| 41 | 15.375 | 2119 | 2123 | 2127 | rBV3 | 8833 | 10516 | 0.41% | 0.050% |
| 42 | 15.592 | 2154 | 2160 | 2163 | rBV7 | 3498 | 7114 | 0.28% | 0.034% |
| 43 | 15.786 | 2191 | 2193 | 2195 | rBV3 | 2440 | 2677 | 0.10% | 0.013% |
| 44 | 15.810 | 2195 | 2197 | 2200 | rVV4 | 3878 | 4845 | 0.19% | 0.023% |
| 45 | 16.051 | 2235 | 2238 | 2240 | rBV4 | 6583 | 8836 | 0.34% | 0.042% |
| 46 | 16.275 | 2274 | 2276 | 2278 | rVB3 | 4202 | 3274 | 0.13% | 0.016% |
| 47 | 16.416 | 2298 | 2300 | 2305 | rBV6 | 5050 | 7782 | 0.30% | 0.037% |
| 48 | 16.598 | 2327 | 2331 | 2336 | rVB2 | 38632 | 52034 | 2.02% | 0.250% |
| 49 | 17.063 | 2404 | 2410 | 2414 | rBV | 1163366 | 1639024 | 63.77% | 7.868% |
| 50 | 17.104 | 2414 | 2417 | 2423 | rVB | 152618 | 210725 | 8.20% | 1.012% |
| 51 | 17.245 | 2436 | 2441 | 2448 | rBV | 105683 | 148858 | 5.79% | 0.715% |
| 52 | 17.669 | 2506 | 2513 | 2520 | rBV | 392757 | 544884 | 21.20% | 2.616% |
| 53 | 17.780 | 2528 | 2532 | 2540 | rVB3 | 60015 | 89594 | 3.49% | 0.430% |
| 54 | 17.916 | 2550 | 2555 | 2560 | rBV2 | 140432 | 218951 | 8.52% | 1.051% |
| 55 | 17.969 | 2561 | 2564 | 2574 | rVB5 | 72428 | 129728 | 5.05% | 0.623% |
| 56 | 18.133 | 2587 | 2592 | 2596 | rBV | 257329 | 351526 | 13.68% | 1.687% |
| 57 | 18.192 | 2598 | 2602 | 2606 | rVV | 176097 | 242756 | 9.45% | 1.165% |
| 58 | 18.239 | 2606 | 2610 | 2615 | rVB | 104052 | 140398 | 5.46% | 0.674% |
| 59 | 18.422 | 2636 | 2641 | 2646 | rBV2 | 226215 | 330694 | 12.87% | 1.587% |
| 60 | 18.469 | 2646 | 2649 | 2654 | rVB | 91284 | 116665 | 4.54% | 0.560% |
| 61 | 18.563 | 2661 | 2665 | 2667 | rBV | 67624 | 86214 | 3.35% | 0.414% |
| 62 | 18.598 | 2667 | 2671 | 2678 | rVB | 181722 | 231791 | 9.02% | 1.113% |
| 63 | 18.698 | 2685 | 2688 | 2691 | rVB4 | 46582 | 57391 | 2.23% | 0.275% |
| 64 | 18.904 | 2719 | 2723 | 2728 | rBV | 151373 | 205984 | 8.01% | 0.989% |
| 65 | 18.957 | 2728 | 2732 | 2733 | rVV3 | 69046 | 82521 | 3.21% | 0.396% |
| 66 | 18.992 | 2733 | 2738 | 2744 | rVB3 | 372018 | 596159 | 23.20% | 2.862% |
| 67 | 19.122 | 2755 | 2760 | 2764 | rVB | 129491 | 182268 | 7.09% | 0.875% |
| 68 | 19.204 | 2769 | 2774 | 2781 | rVV3 | 145922 | 334698 | 13.02% | 1.607% |
| 69 | 19.269 | 2781 | 2785 | 2792 | rVV | 278429 | 382413 | 14.88% | 1.836% |
| 70 | 19.333 | 2793 | 2796 | 2799 | rVB4 | 44911 | 53058 | 2.06% | 0.255% |
| 71 | 19.527 | 2827 | 2829 | 2833 | rVB3 | 42711 | 49912 | 1.94% | 0.240% |

LSC Area Percent Report

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Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

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-BM040721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.604 | 2839 | 2842 | 2847 | rVB3 | 69113 | 89756 | 3.49% | 0.431% |
| 73 | 19.716 | 2854 | 2861 | 2865 | rVB2 | 182883 | 310001 | 12.06% | 1.488% |
| 74 | 19.839 | 2878 | 2882 | 2886 | rBV2 | 154656 | 200660 | 7.81% | 0.963% |
| 75 | 19.880 | 2887 | 2889 | 2896 | rVB7 | 59992 | 93313 | 3.63% | 0.448% |
| 76 | 19.974 | 2901 | 2905 | 2910 | rVV | 457733 | 583507 | 22.70% | 2.801% |
| 77 | 20.027 | 2910 | 2914 | 2921 | rVB | 110868 | 136677 | 5.32% | 0.656% |
| 78 | 20.180 | 2937 | 2940 | 2944 | rVB4 | 65643 | 74124 | 2.88% | 0.356% |
| 79 | 20.257 | 2948 | 2953 | 2957 | rBV | 583837 | 705837 | 27.46% | 3.388% |
| 80 | 20.310 | 2958 | 2962 | 2965 | rBV2 | 153879 | 216737 | 8.43% | 1.040% |
| 81 | 20.410 | 2975 | 2979 | 2987 | rVB3 | 170772 | 277818 | 10.81% | 1.334% |
| 82 | 20.569 | 2999 | 3006 | 3012 | rBV | 386644 | 673363 | 26.20% | 3.232% |
| 83 | 20.716 | 3027 | 3031 | 3036 | rVB2 | 234222 | 273808 | 10.65% | 1.314% |
| 84 | 20.780 | 3038 | 3042 | 3047 | rVB2 | 129209 | 149811 | 5.83% | 0.719% |
| 85 | 20.986 | 3073 | 3077 | 3081 | rVB3 | 202185 | 258923 | 10.07% | 1.243% |
| 86 | 21.039 | 3083 | 3086 | 3092 | rVB4 | 120479 | 148211 | 5.77% | 0.711% |
| 87 | 21.092 | 3093 | 3095 | 3098 | rBV3 | 50867 | 62226 | 2.42% | 0.299% |
| 88 | 21.239 | 3115 | 3120 | 3123 | rBV | 1028743 | 1354115 | 52.69% | 6.500% |
| 89 | 21.268 | 3123 | 3125 | 3131 | rVB2 | 568700 | 616732 | 24.00% | 2.961% |
| 90 | 21.574 | 3174 | 3177 | 3183 | rBV2 | 208232 | 268406 | 10.44% | 1.288% |
| 91 | 23.445 | 3490 | 3495 | 3507 | rVB2 | 651491 | 1247597 | 48.54% | 5.989% |

Sum of corrected areas: 20831912

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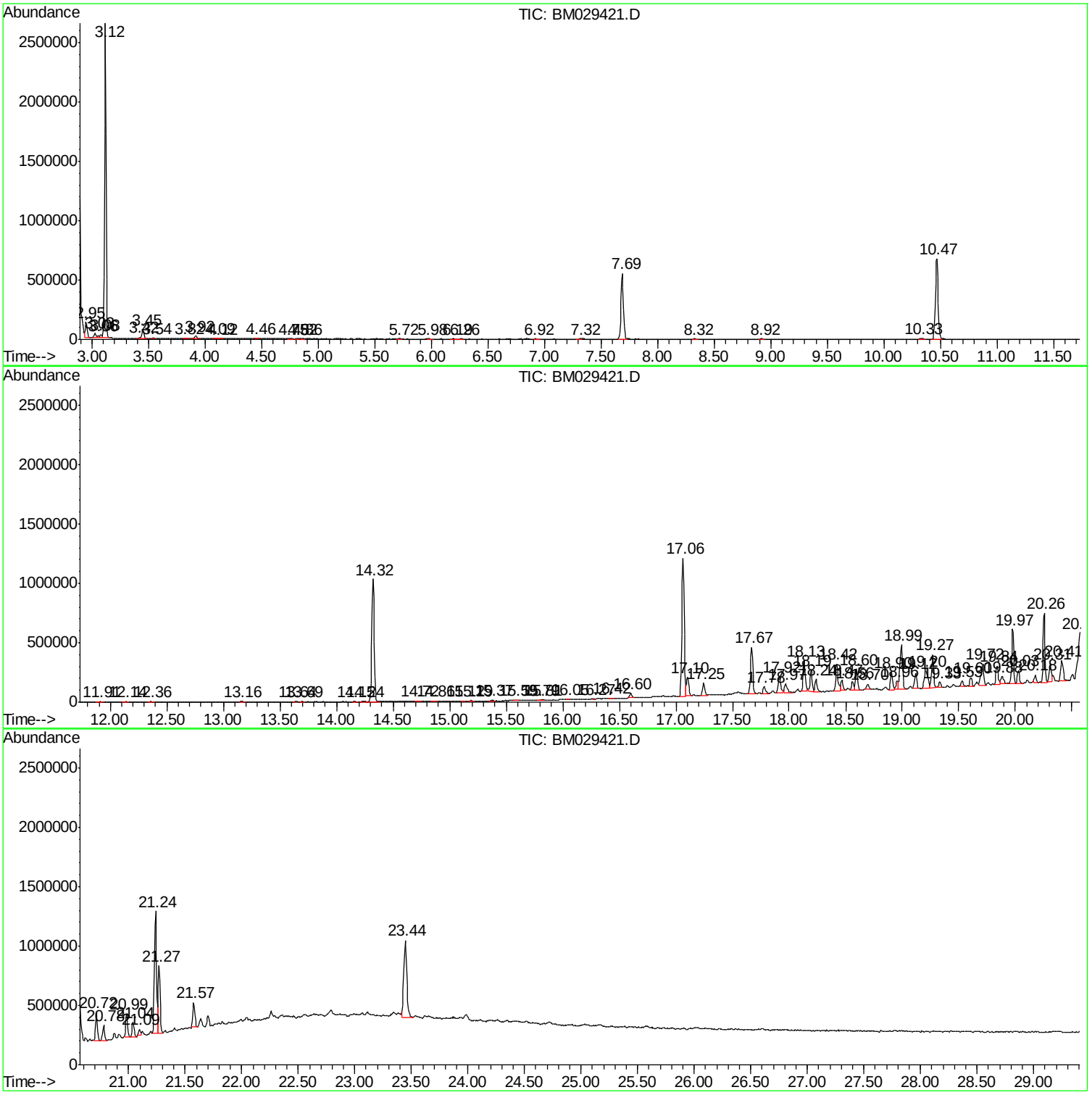
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.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\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

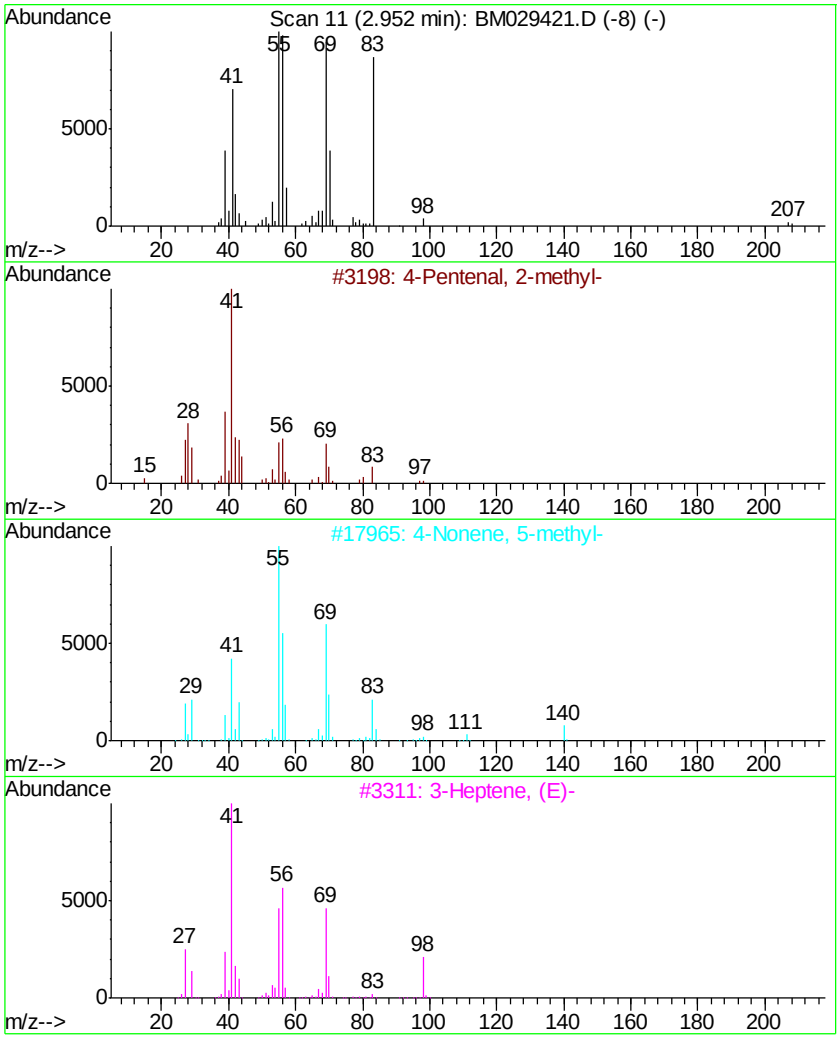
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

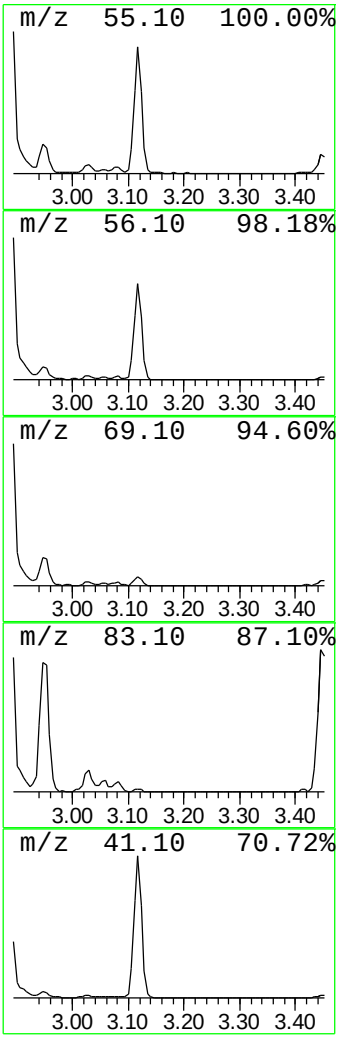
**********

Peak Number 1 4-Pentenal, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.95 | 3.39 ng/ul | 145256 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Pentenal, 2-methyl- | 98 | C6H10O | 005187-71-3 | 53 |
| 2 | 4-Nonene, 5-methyl- | 140 | C10H20 | 015918-07-7 | 50 |
| 3 | 3-Heptene, (E)- | 98 | C7H14 | 014686-14-7 | 50 |
| 4 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 49 |
| 5 | 6-Dodecene, (E)- | 168 | C12H24 | 007206-17-9 | 47 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

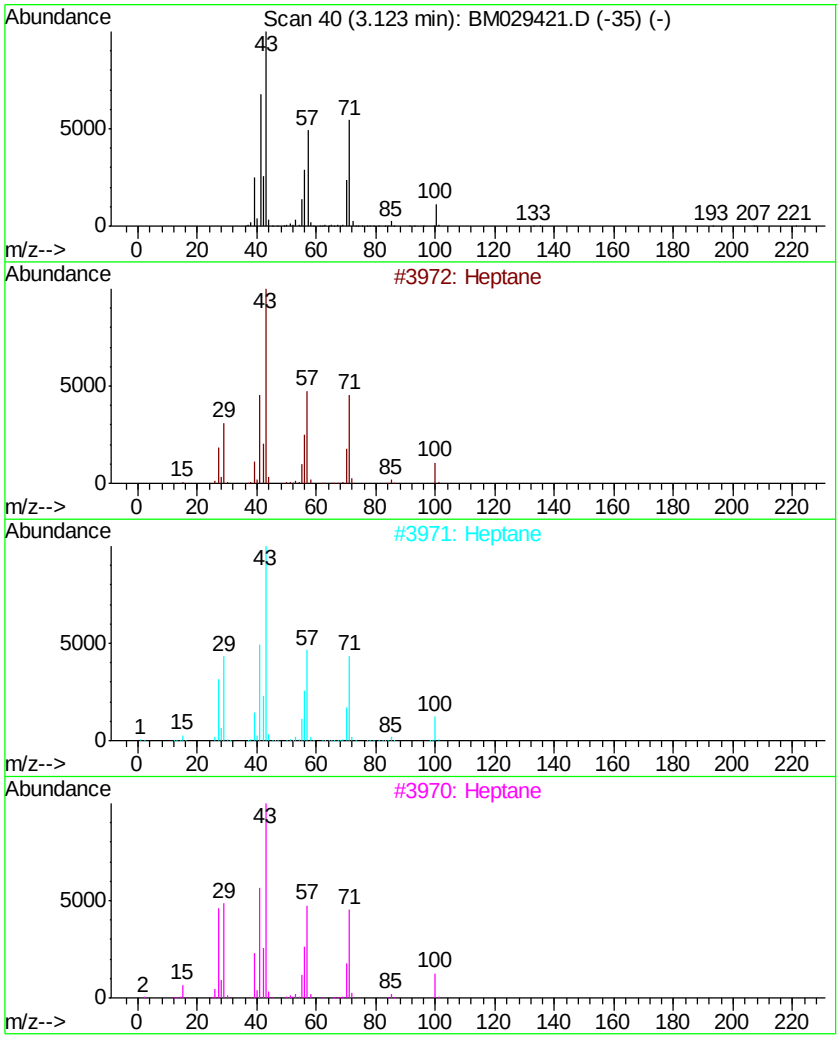
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

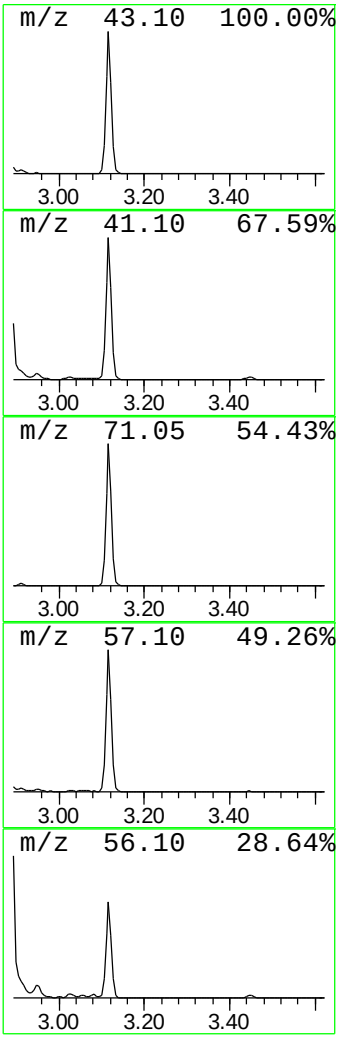
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.12 | 59.99 ng/ul | 2570090 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 90 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 87 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 80 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
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Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

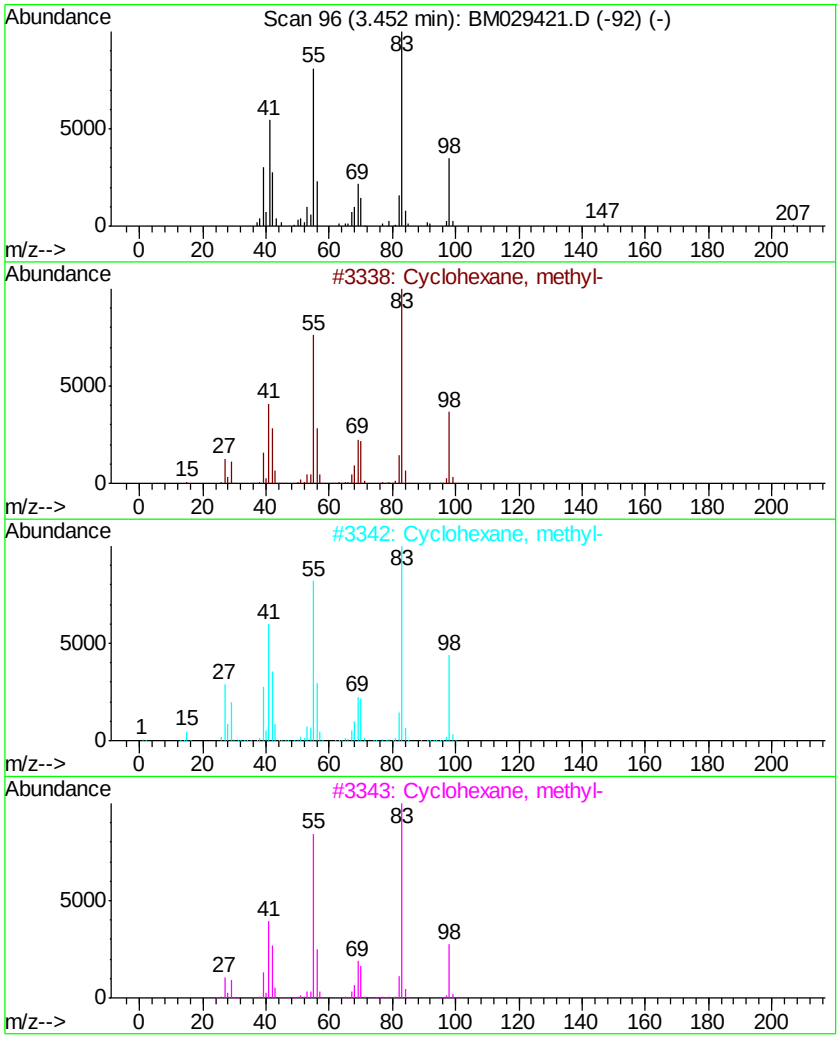
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

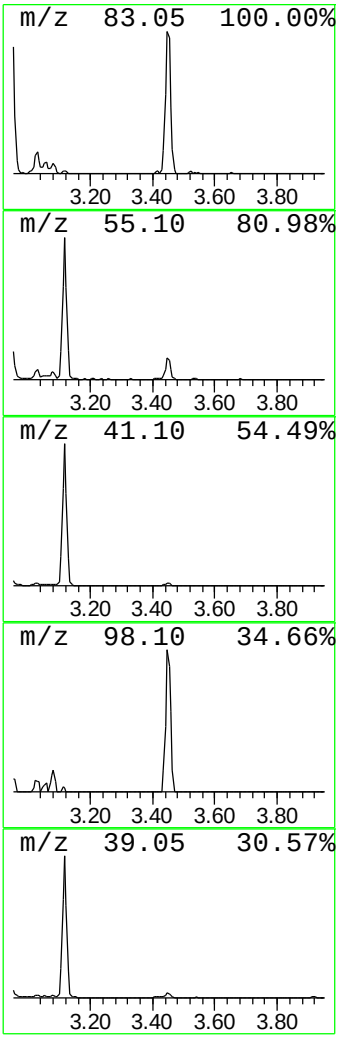
**********

Peak Number 3 (DEL) Alkane: Cyclic3.45 Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.45 | 2.12 ng/ul | 90856 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 97 |
| 2 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 97 |
| 3 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 94 |
| 4 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 90 |
| 5 | 2-Pentene, 2,3-dimethyl- | 98 | C7H14 | 010574-37-5 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

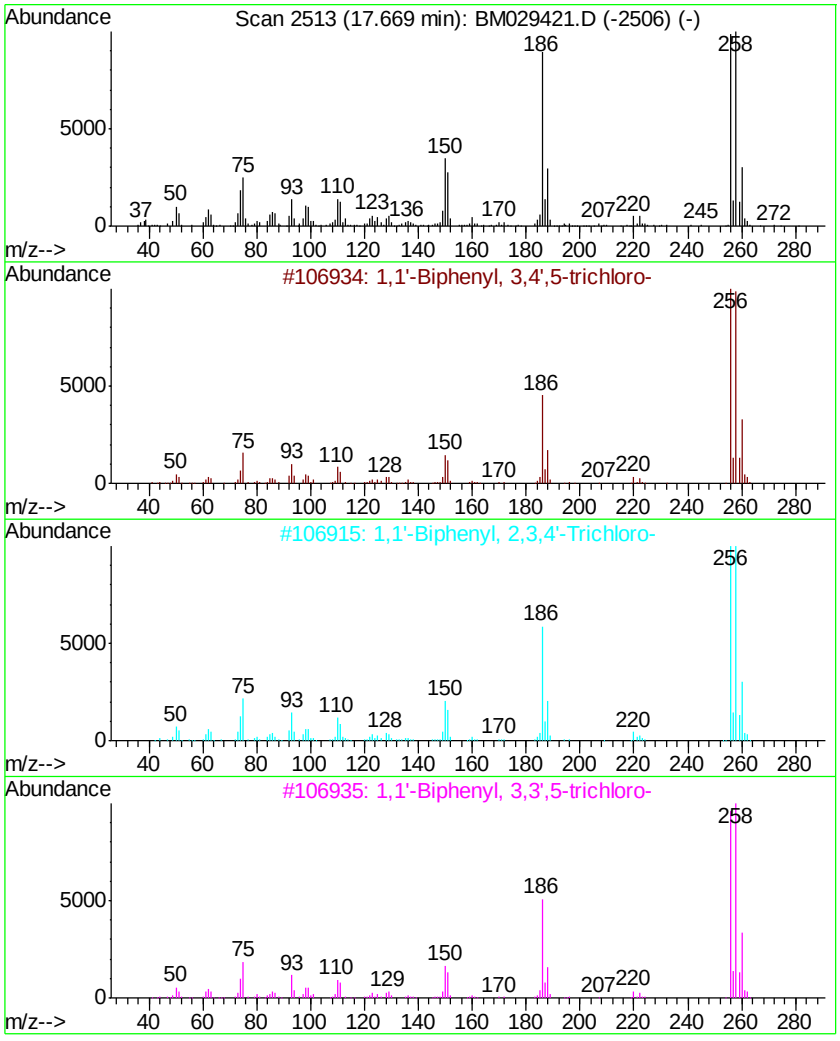
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

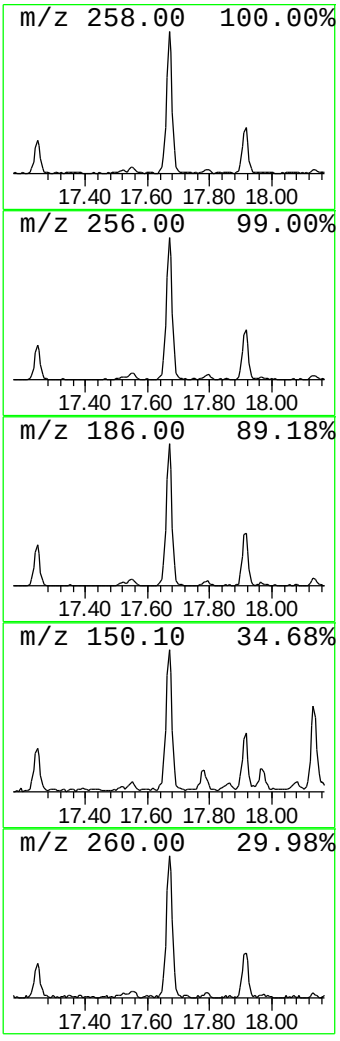
**********

Peak Number 4 1,1'-Biphenyl, 3,4',5-trich... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.67 | 6.65 ng/ul | 544884 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 3,4',5-trichloro- | 256 | C12H7Cl3 | 038444-88-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3 | 038444-85-8 | 99 |
| 3 | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3 | 038444-87-0 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3 | 038444-81-4 | 99 |
| 5 | 1,1'-Biphenyl, 2',3,4-trichloro- | 256 | C12H7Cl3 | 038444-86-9 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

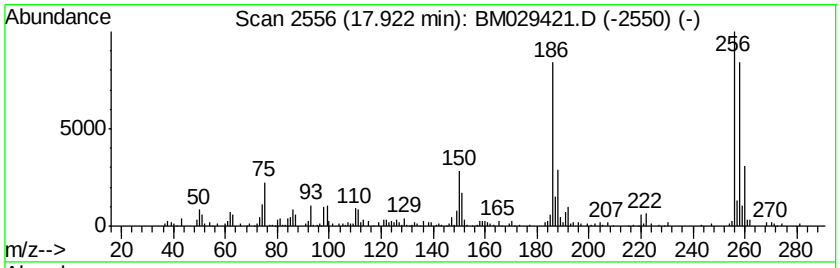
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

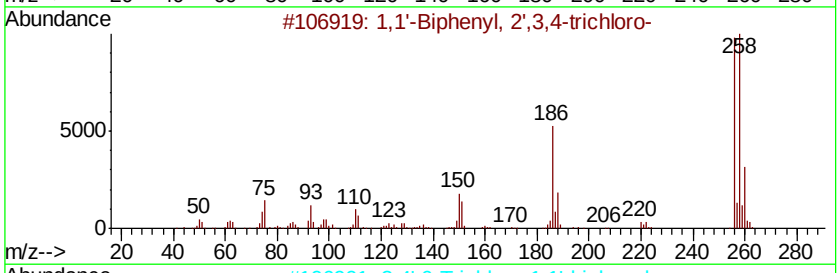
**********

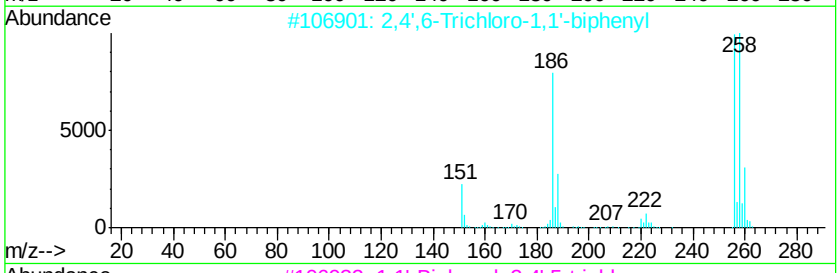
Peak Number 5 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 21

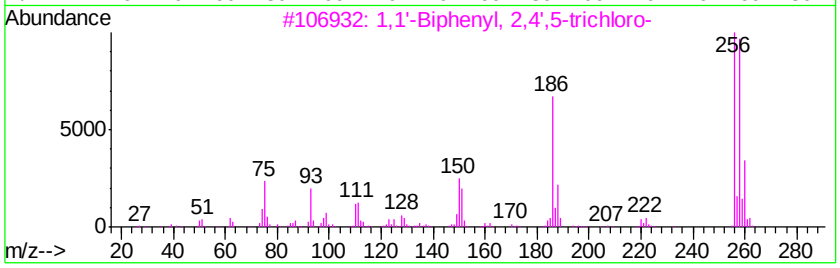
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 2.67 ng/ul | 218951 | Phenanthrene-d10 | 17.06 |

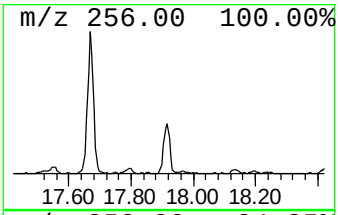
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2',3,4-trichloro- | 256 | C12H7Cl3 | 038444-86-9 | 99 |
| 2 | 2,4',6-Trichloro-1,1'-biphenyl | 256 | C12H7Cl3 | 038444-77-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,4',5-trichloro- | 256 | C12H7Cl3 | 016606-02-3 | 99 |
| 4 | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3 | 038444-87-0 | 99 |
| 5 | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3 | 038444-81-4 | 99 |

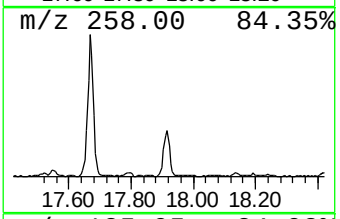


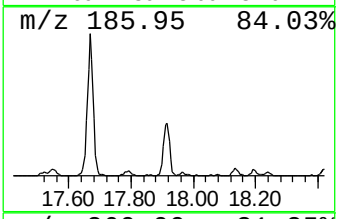



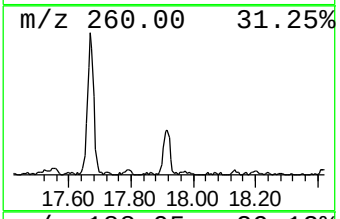



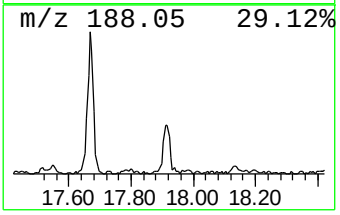



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

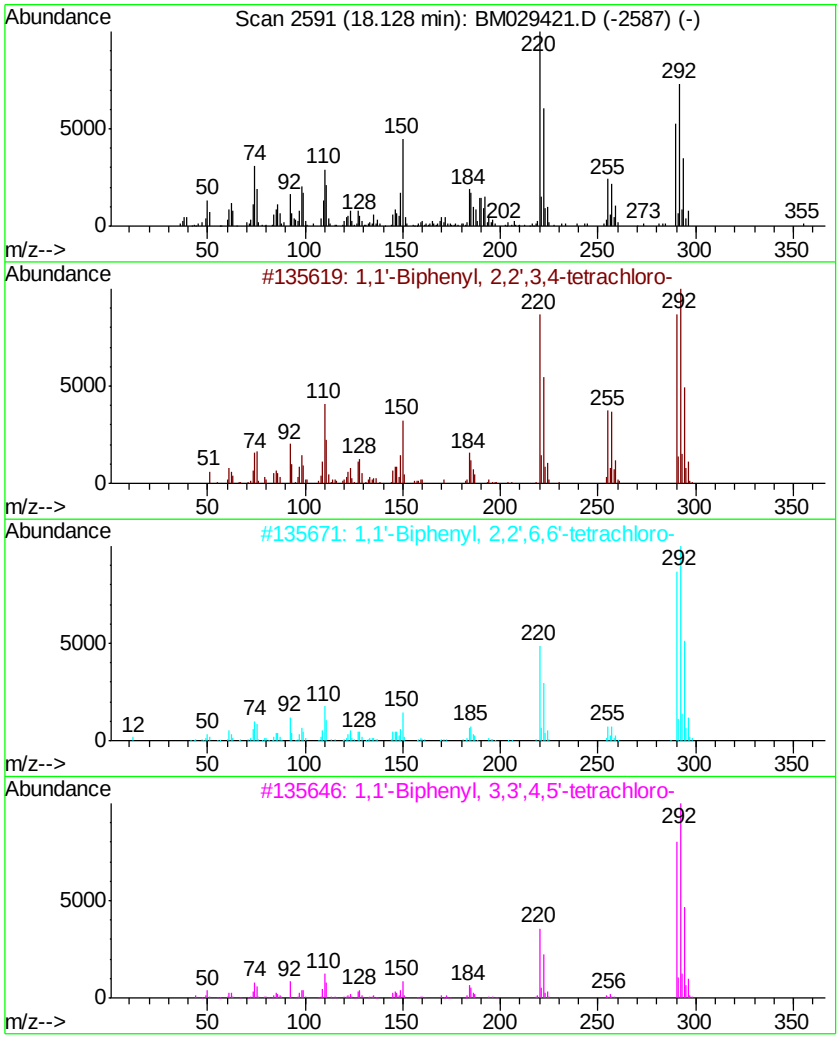
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

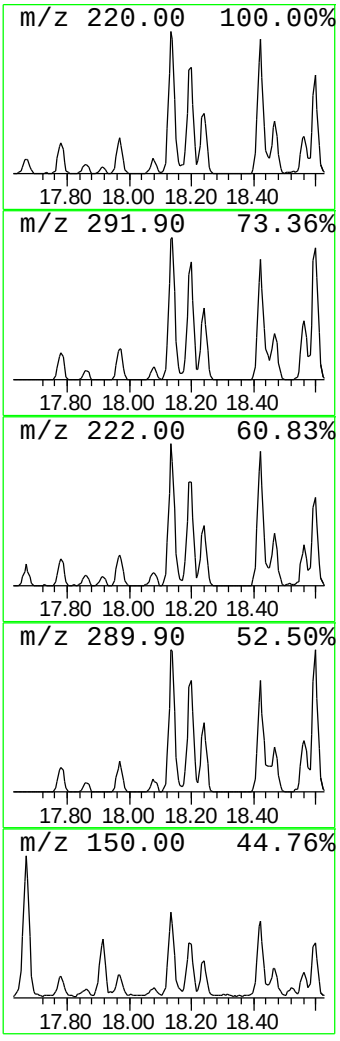
**********

Peak Number 6 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.13 | 4.29 ng/ul | 351526 | Phenanthrene-d10 | 17.06 |

| 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',6,6'-tetrach... | 290 | C12H6Cl4 | 015968-05-5 | 99 |
| 3 | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-48-6 | 99 |
| 4 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |
| 5 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

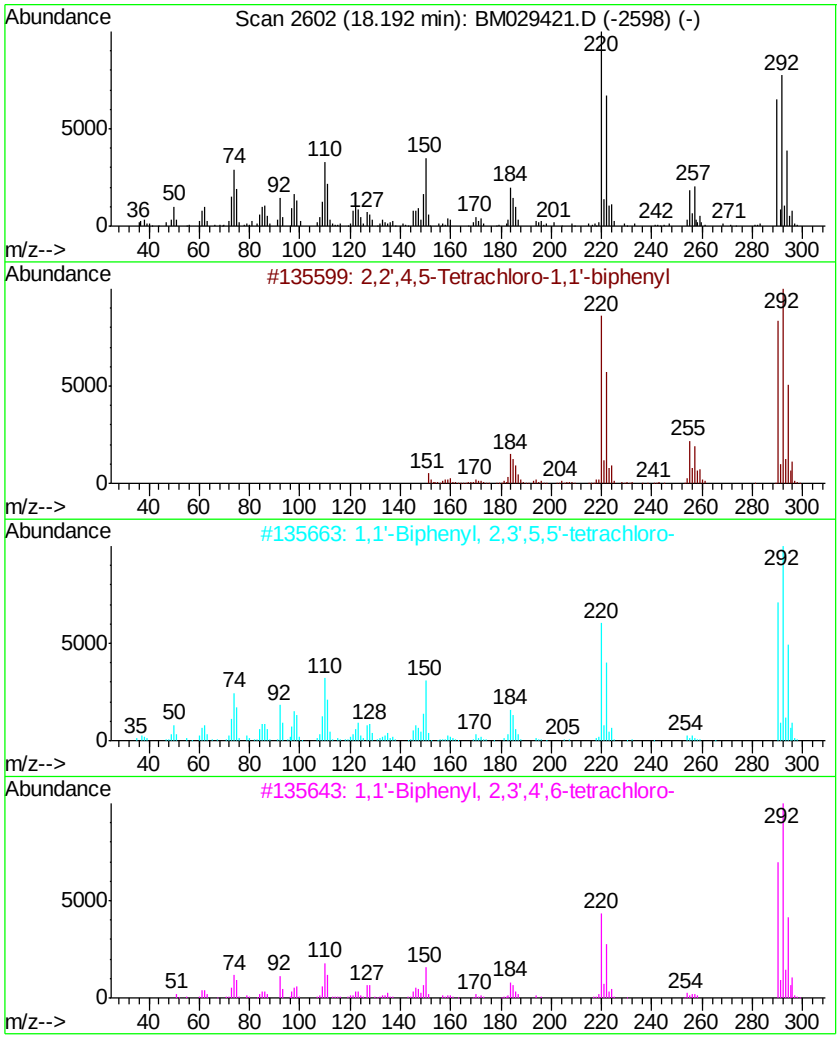
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

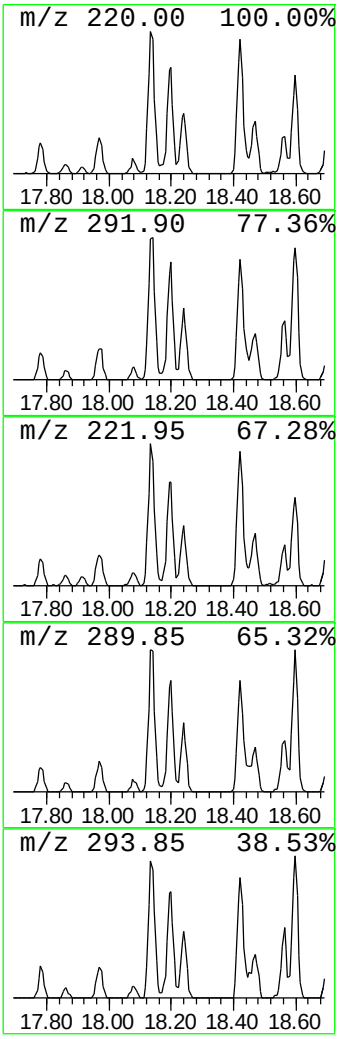
**********

Peak Number 7 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 2.96 ng/ul | 242756 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4 | 041464-46-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

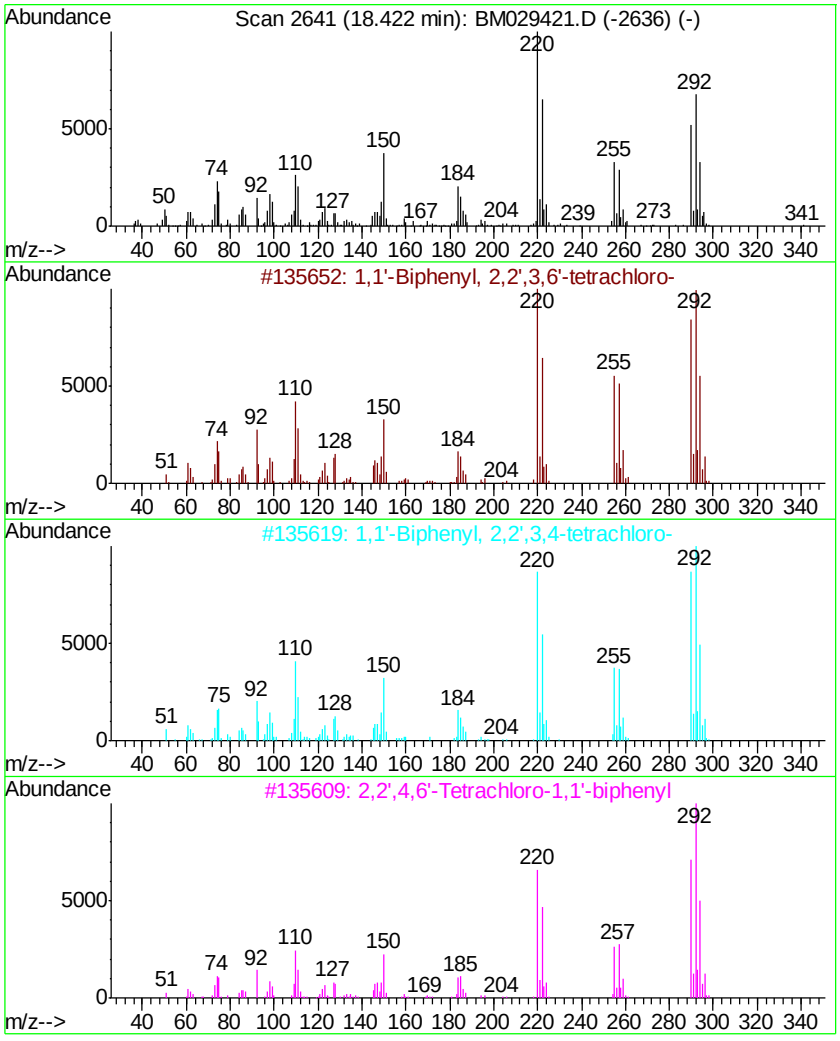
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

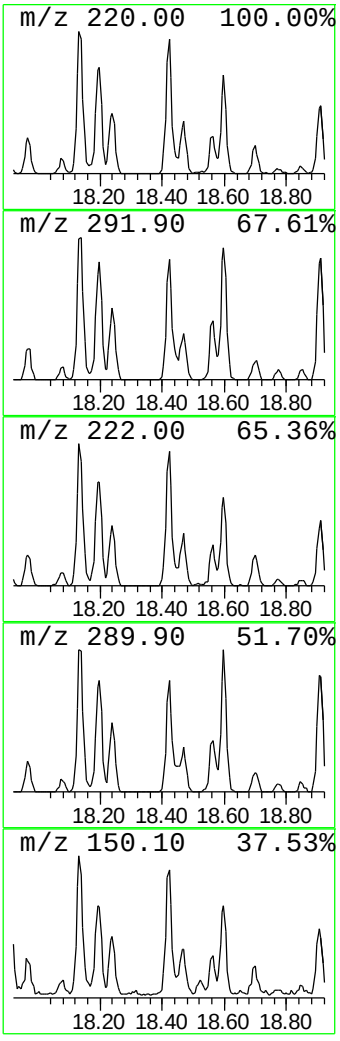
**********

Peak Number 8 1,1'-Biphenyl, 2,2',3,6'-te... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.42 | 4.04 ng/ul | 330694 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,6'-tetrach... | 290 | C12H6Cl4 | 041464-47-5 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4-tetrachl... | 290 | C12H6Cl4 | 052663-59-9 | 99 |
| 3 | 2,2',4,6'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 068194-04-7 | 99 |
| 4 | 2,2',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-47-9 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4 | 002437-79-8 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

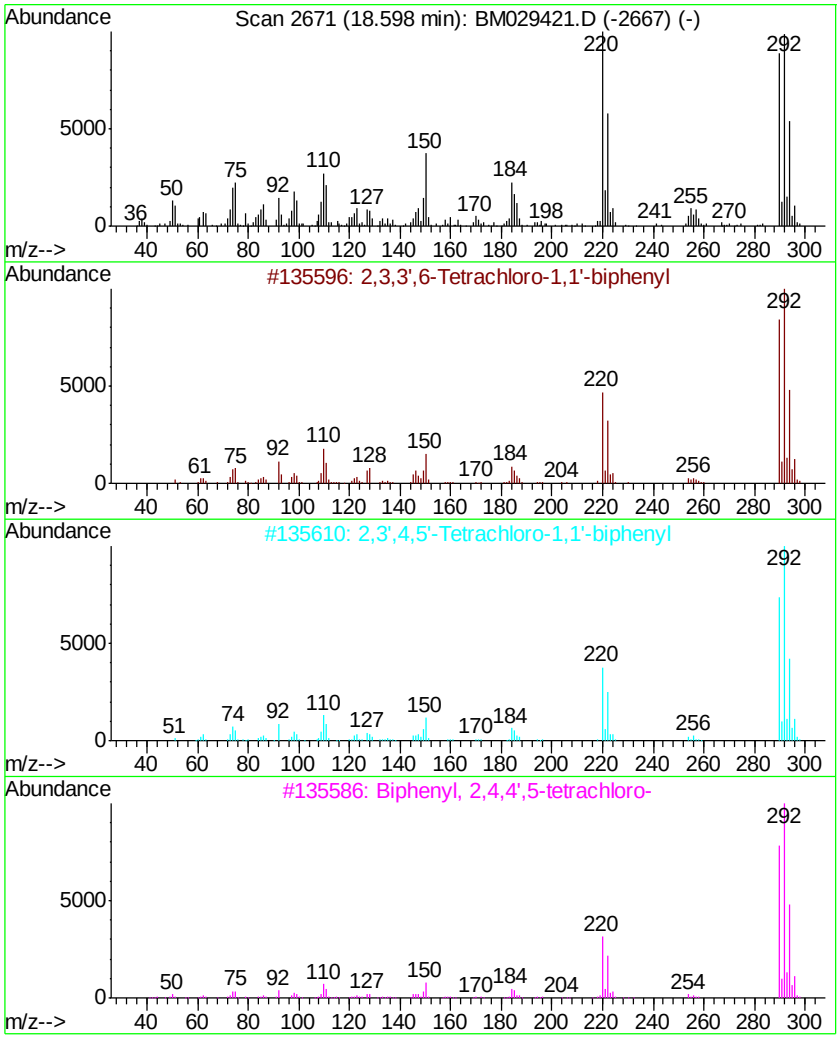
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

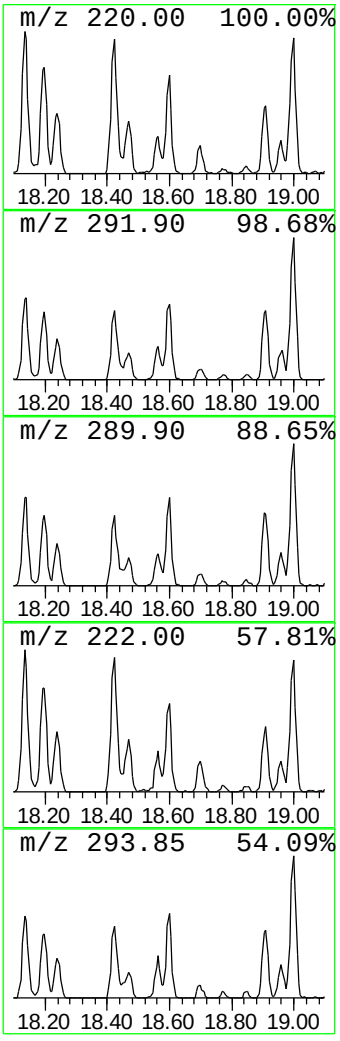
**********

Peak Number 9 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.60 | 2.83 ng/ul | 231791 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,3',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074472-33-6 | 99 |
| 2 | 2,3',4,5'-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 073575-52-7 | 99 |
| 3 | Biphenyl, 2,4,4',5-tetrachloro- | 290 | C12H6Cl4 | 032690-93-0 | 99 |
| 4 | 2,3,3',4-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-24-2 | 99 |
| 5 | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4 | 041464-49-7 | 99 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

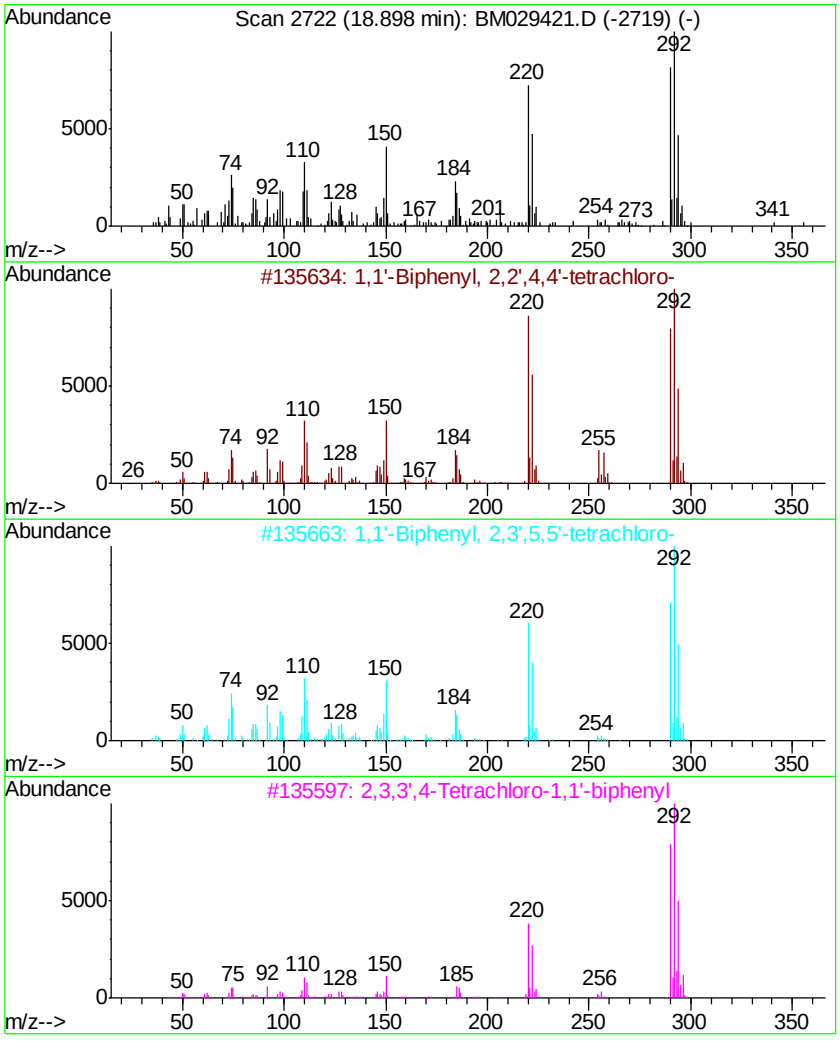
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

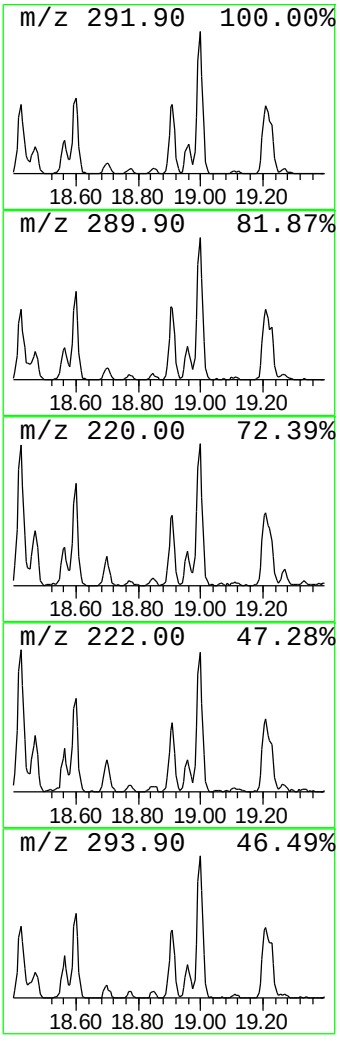
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.90 | 2.51 ng/ul | 205984 | Phenanthrene-d10 | 17.06 |

| 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, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 3 | 2,3,3',4-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-24-2 | 99 |
| 4 | 2,3',5',6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074338-23-1 | 99 |
| 5 | 2,3,4',5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 074472-34-7 | 99 |



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Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

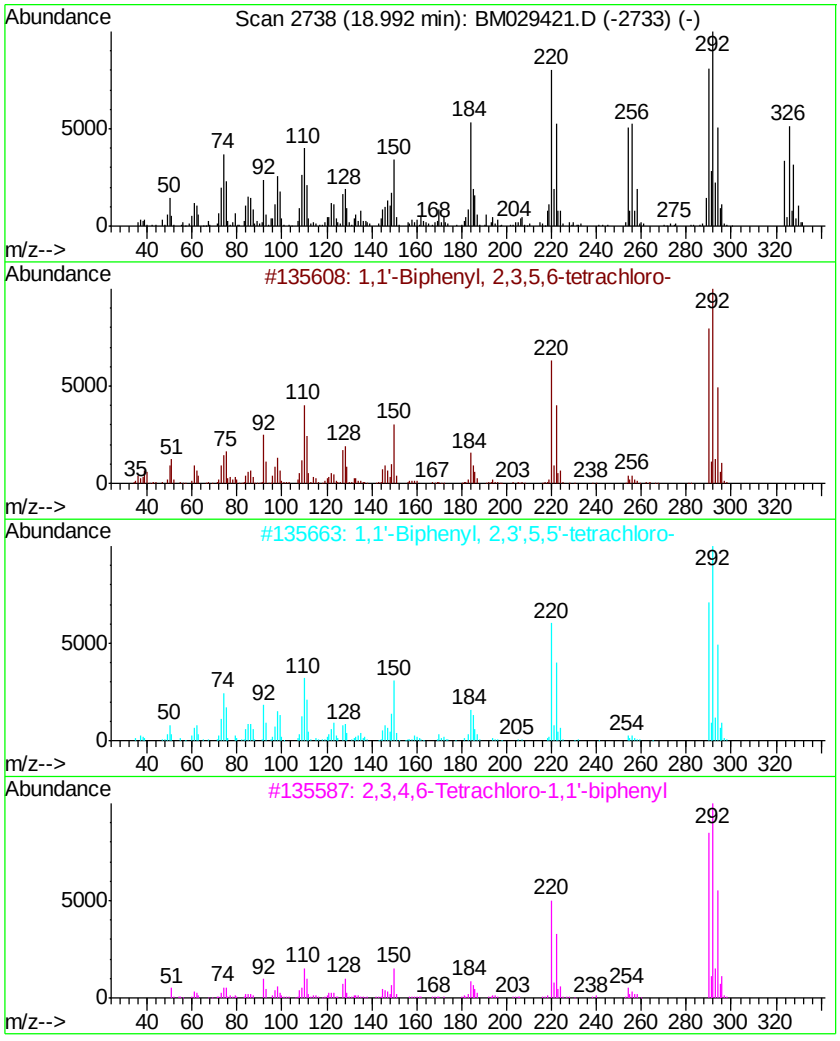
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

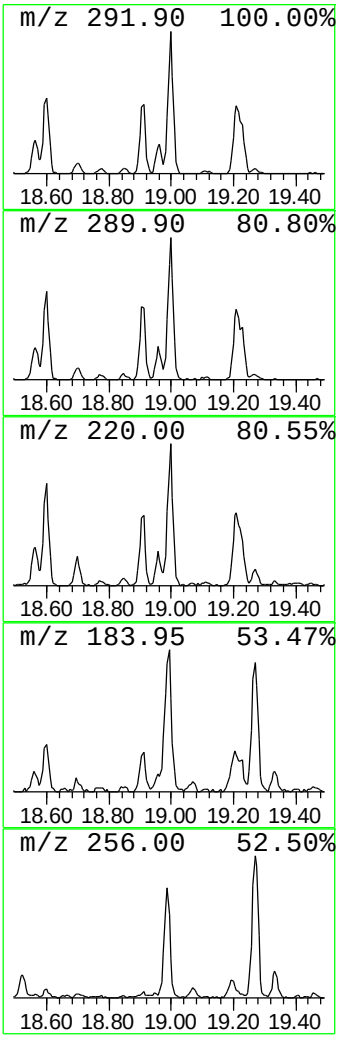
**********

Peak Number 11 1,1'-Biphenyl, 2,3,5,6-tetr... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.99 | 7.27 ng/ul | 596159 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,5,6-tetrachloro- | 290 | C12H6Cl4 | 033284-54-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,3',5,5'-tetrach... | 290 | C12H6Cl4 | 041464-42-0 | 99 |
| 3 | 2,3,4,6-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 054230-22-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4-tetrachl... | 290 | C12H6Cl4 | 052663-59-9 | 99 |
| 5 | 1,1'-Biphenyl, 2,3',4,6-Tetrachl... | 290 | C12H6Cl4 | 060233-24-1 | 99 |



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Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

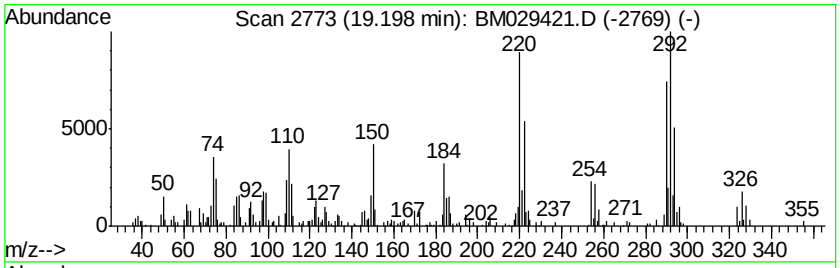
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

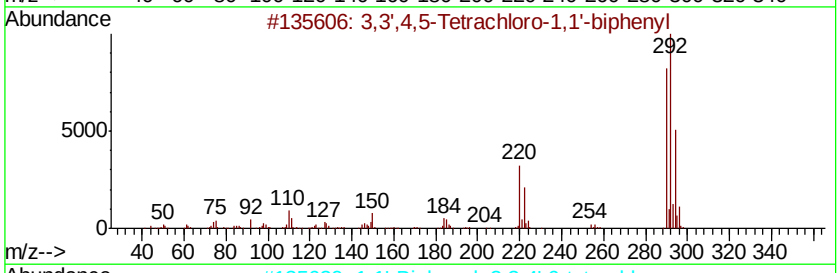
**********

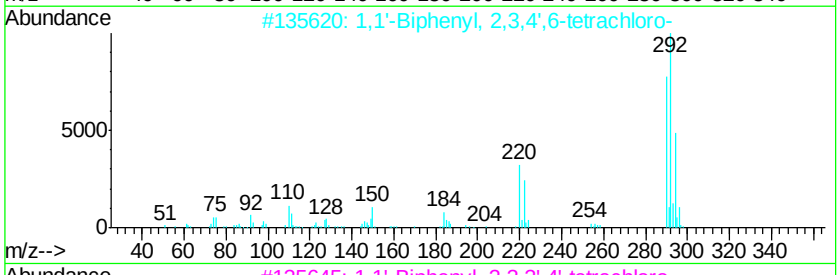
Peak Number 12 3,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 8

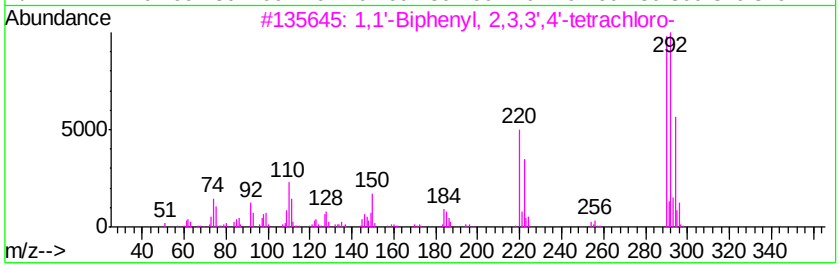
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.20 | 4.94 ng/ul | 334698 | Chrysene-d12 | 21.24 |

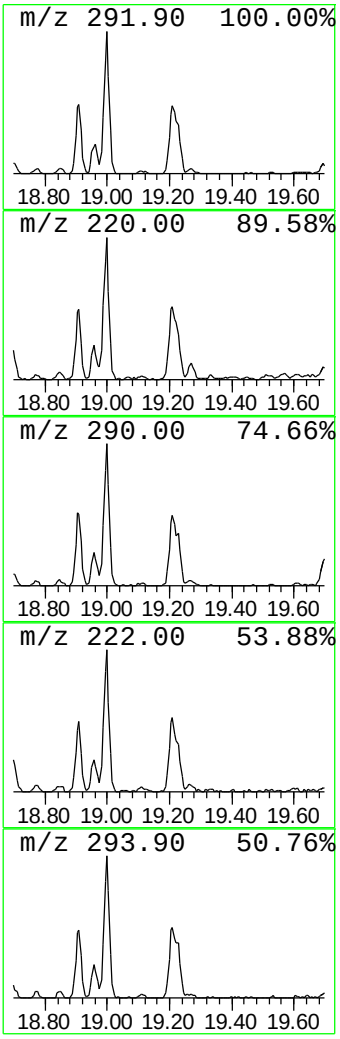
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,3',4,5-Tetrachloro-1,1'-biphenyl | 290 | C12H6Cl4 | 070362-49-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,4',6-tetrachl... | 290 | C12H6Cl4 | 052663-58-8 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4 | 041464-43-1 | 99 |
| 4 | 2,3',4',5'-Tetrachloro-1,1'-biph... | 290 | C12H6Cl4 | 070362-48-0 | 99 |
| 5 | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290 | C12H6Cl4 | 041464-48-6 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

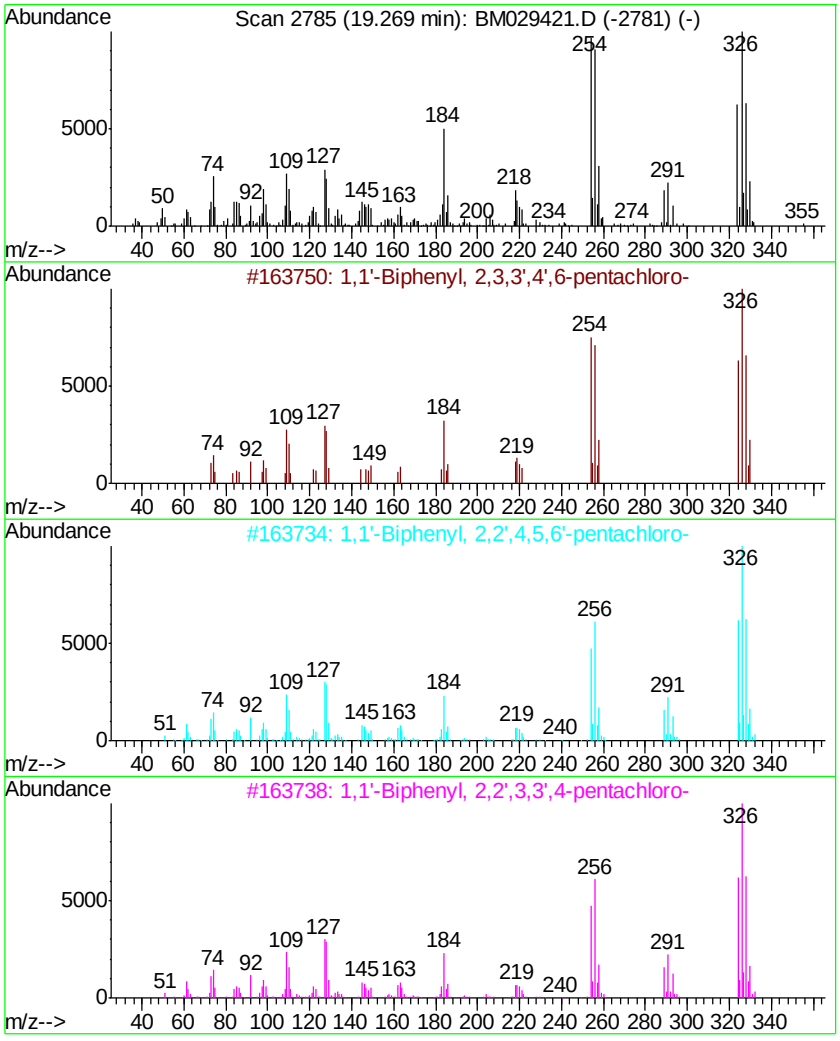
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

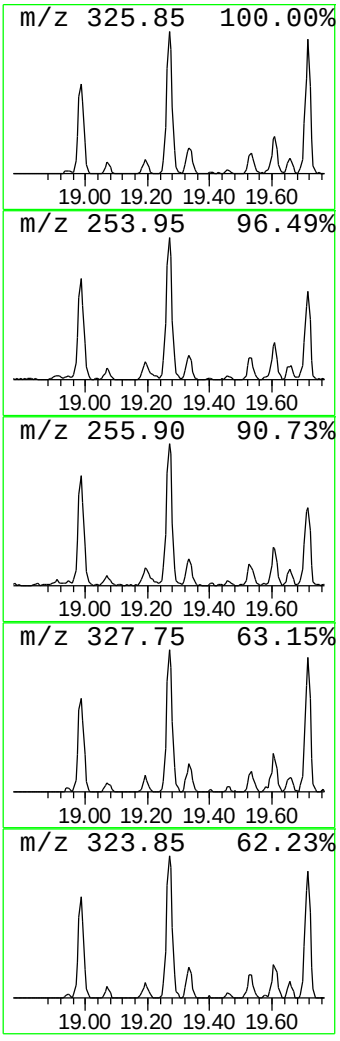
**********

Peak Number 13 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.27 | 5.65 ng/ul | 382413 | Chrysene-d12 | 21.24 |

| 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',4,5,6'-penta... | 324 | C12H5Cl5 | 068194-06-9 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4-penta... | 324 | C12H5Cl5 | 052663-62-4 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 98 |
| 5 | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 97 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

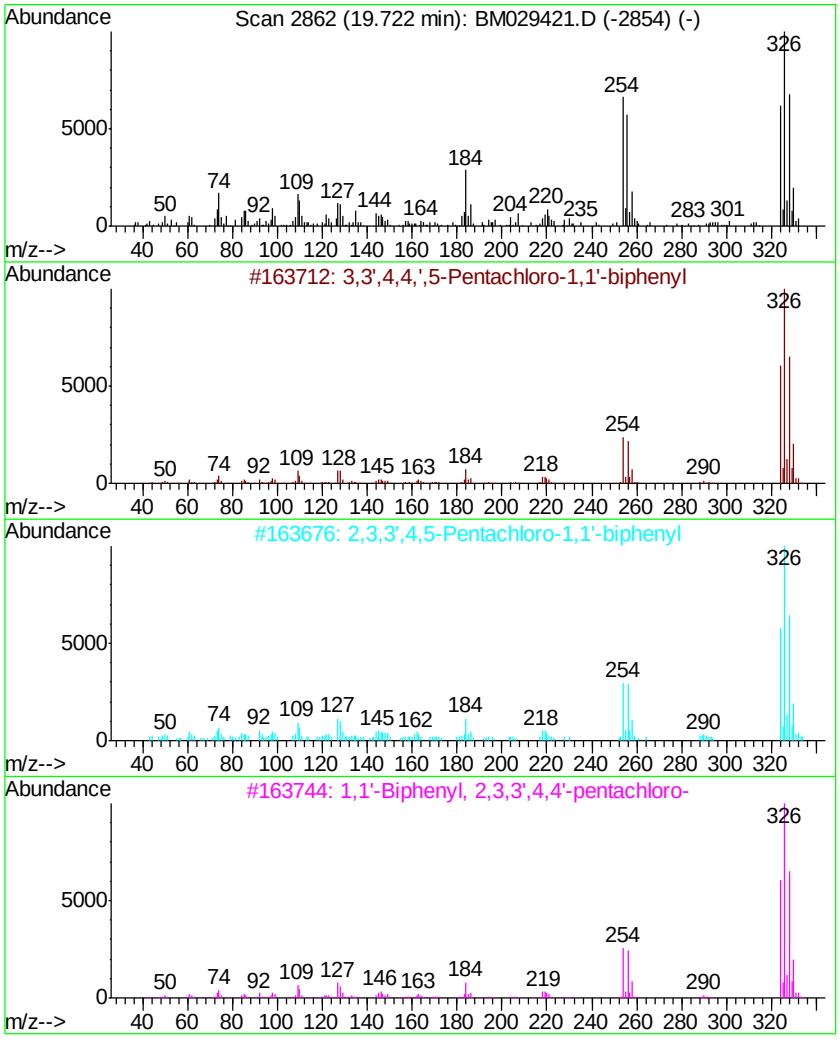
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

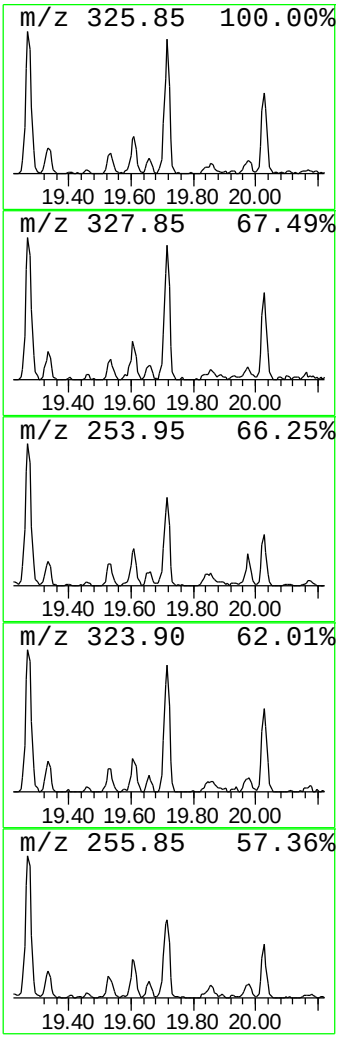
**********

Peak Number 14 3,3',4,4',5-Pentachloro-1,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.72 | 4.58 ng/ul | 310001 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,3',4,4',5-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 057465-28-8 | 99 |
| 2 | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 98 |
| 3 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 98 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 97 |
| 5 | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 97 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

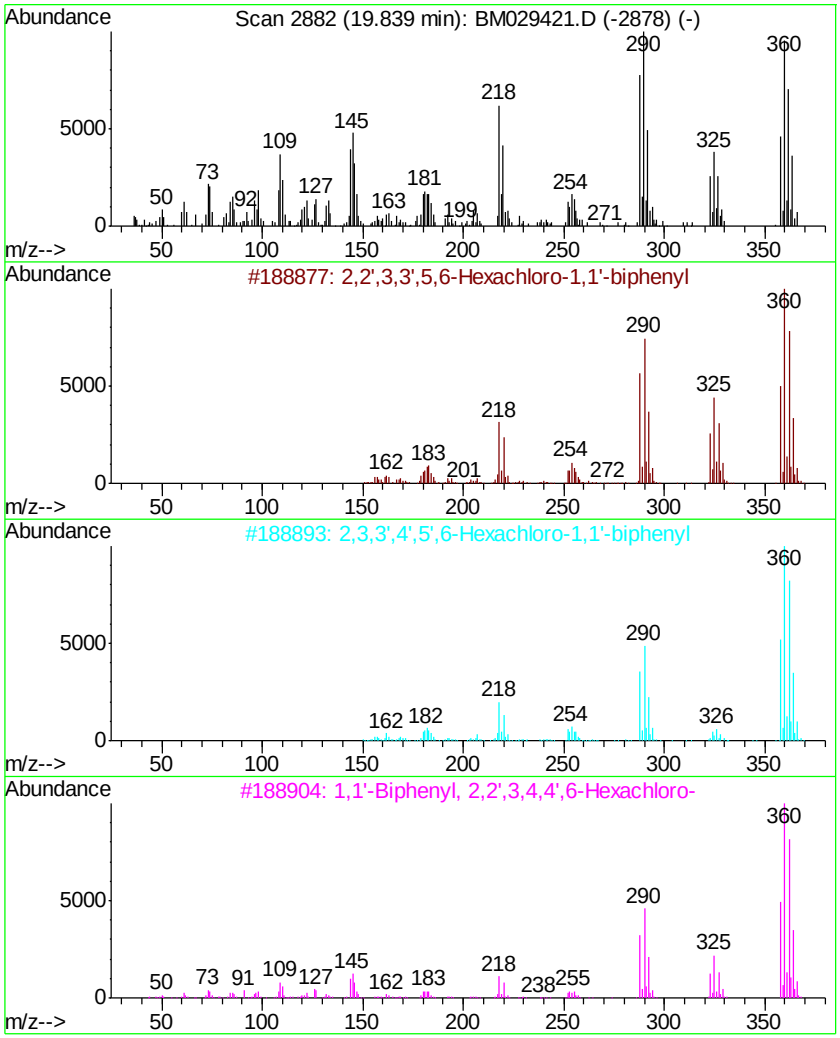
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

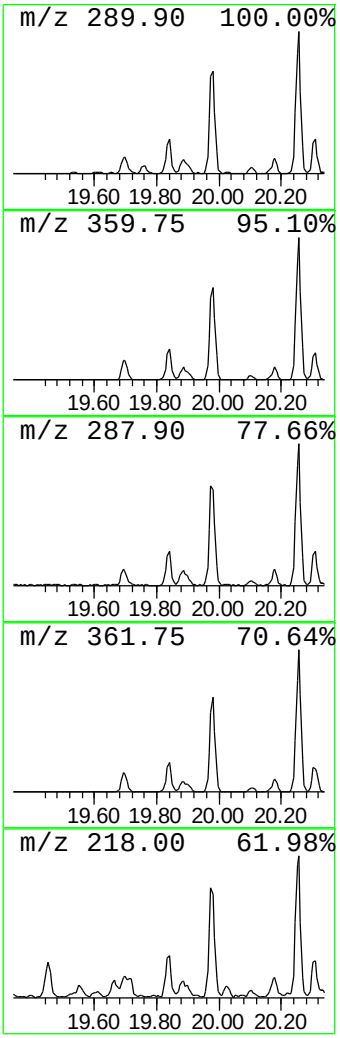
**********

Peak Number 15 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.84 | 2.96 ng/ul | 200660 | Chrysene-d12 | 21.24 |

| 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 | 2,3,3',4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-45-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358 | C12H4Cl6 | 056030-56-9 | 99 |
| 4 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |
| 5 | 2,2',3,3',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 052704-70-8 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

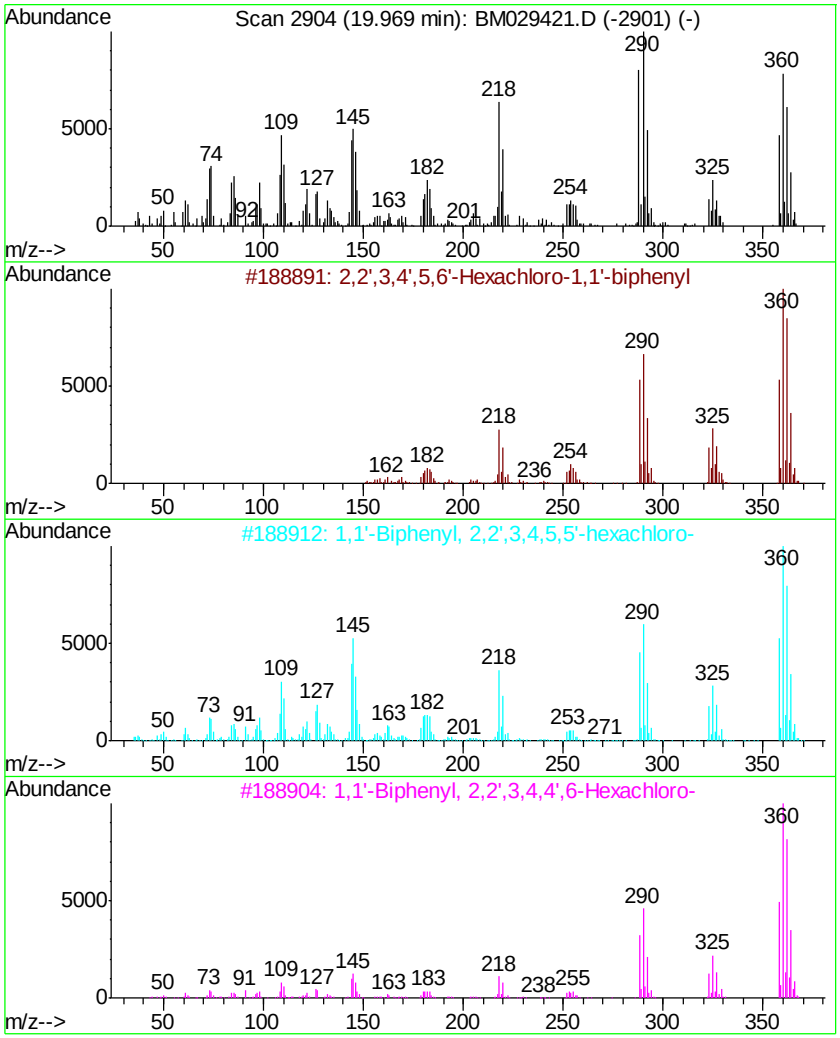
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

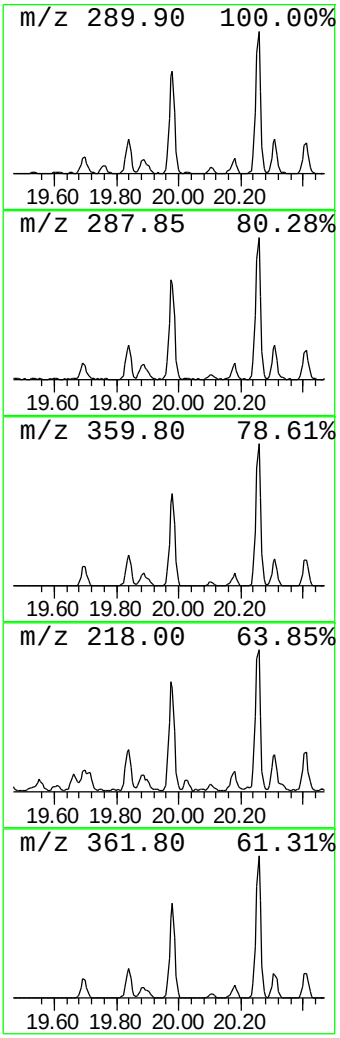
**********

Peak Number 16 2,2',3,4',5,6'-Hexachloro-1... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.97 | 8.62 ng/ul | 583507 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4',5,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 074472-41-6 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',6-Hex... | 358 | C12H4Cl6 | 056030-56-9 | 99 |
| 4 | 2,2',3,4',6,6'-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 068194-08-1 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',4,4',5',6-He... | 358 | C12H4Cl6 | 060145-22-4 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

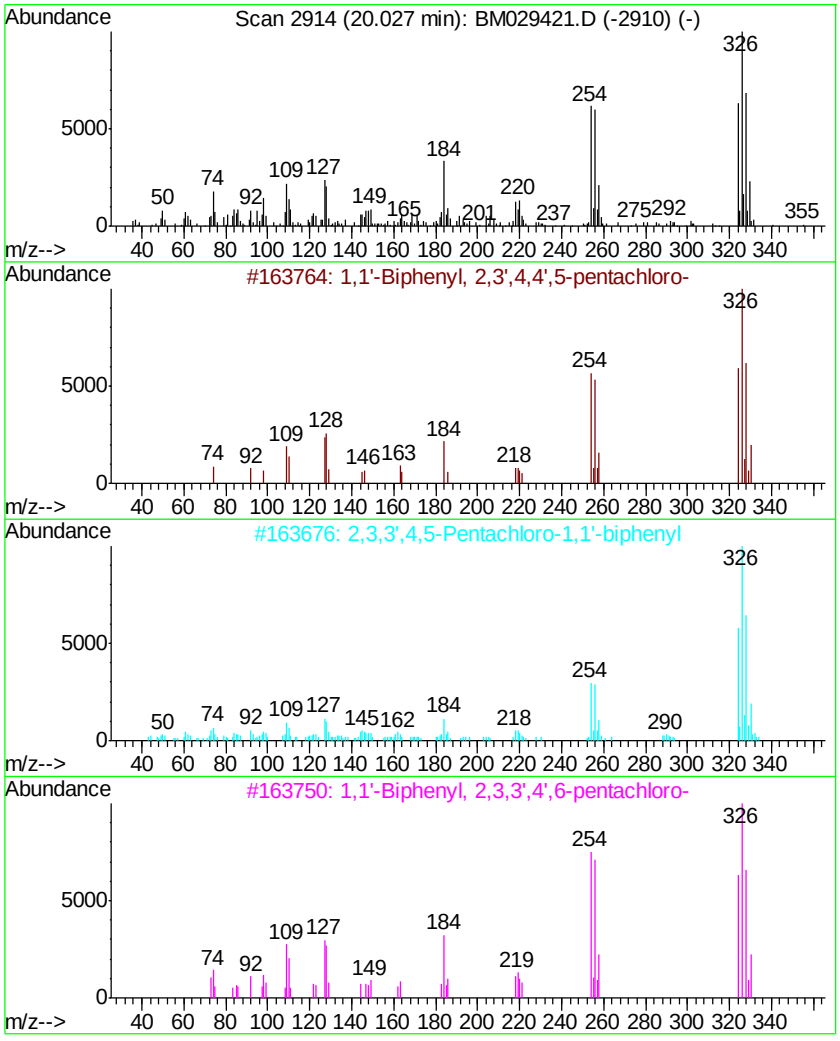
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

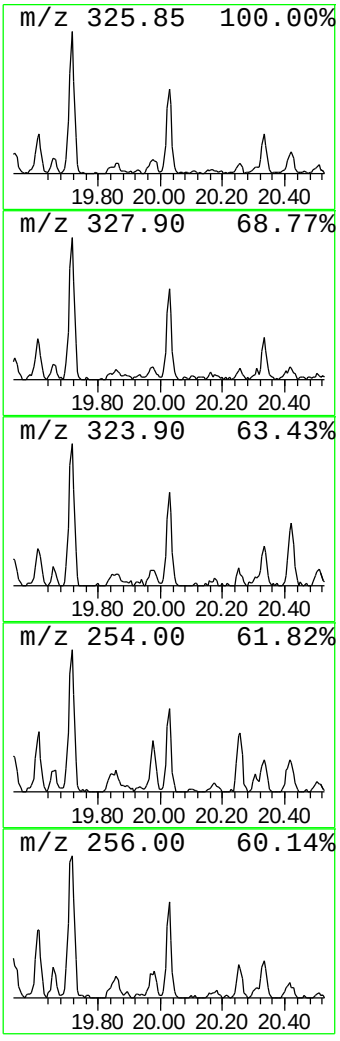
**********

Peak Number 17 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.03 | 2.02 ng/ul | 136677 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 99 |
| 2 | 2,3,3',4,5-Pentachloro-1,1'-biph... | 324 | C12H5Cl5 | 070424-69-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 4 | 1,1'-Biphenyl, 2,3',4,4',6-Penta... | 324 | C12H5Cl5 | 056558-17-9 | 98 |
| 5 | 2,3,3,',5',6-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 068194-10-5 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

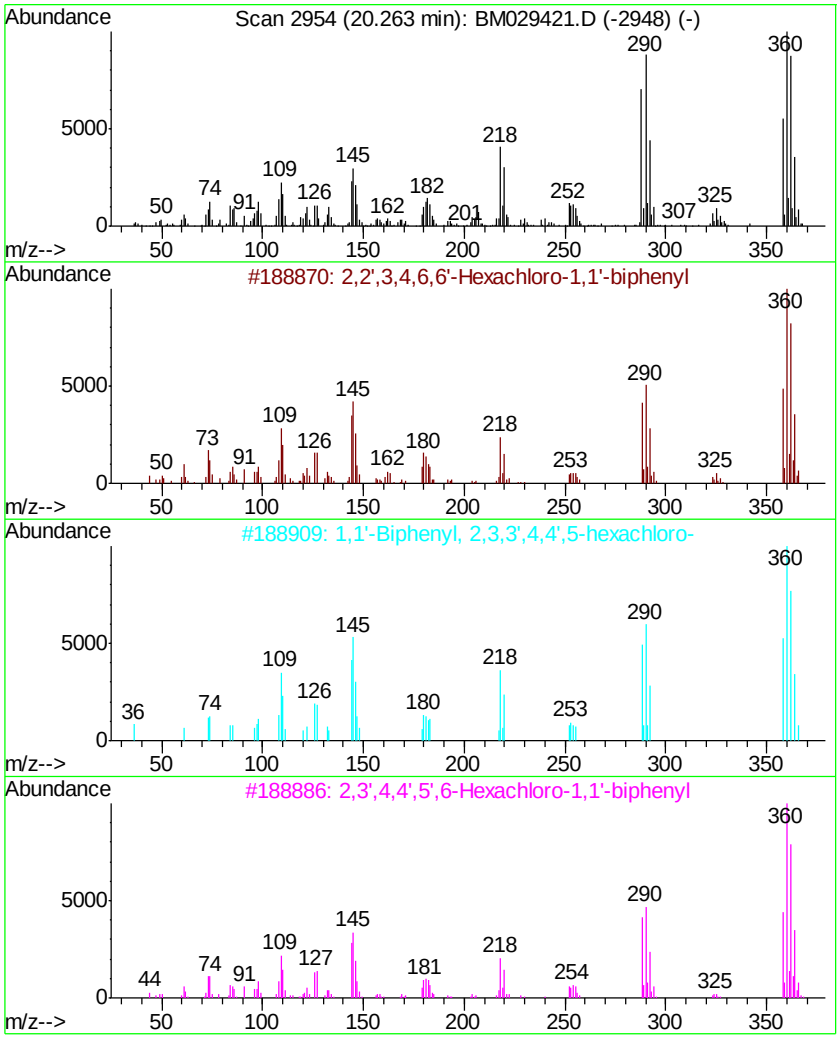
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

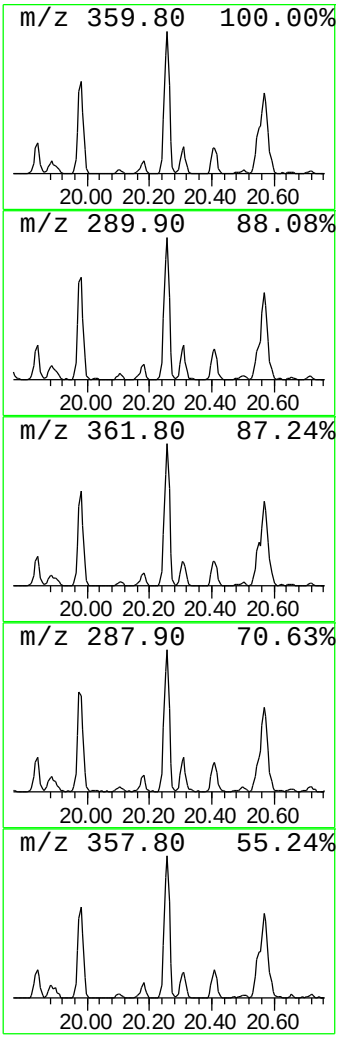
**********

Peak Number 18 2,2',3,4,6,6'-Hexachloro-1,... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.26 | 10.43 ng/ul | 705837 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4,6,6'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-40-5 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 3 | 2,3',4,4',5',6-Hexachloro-1,1'-b... | 358 | C12H4Cl6 | 059291-65-5 | 99 |
| 4 | 2,3,3',4,4',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-42-7 | 99 |
| 5 | 2,3,3',4,5,5'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 039635-35-3 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

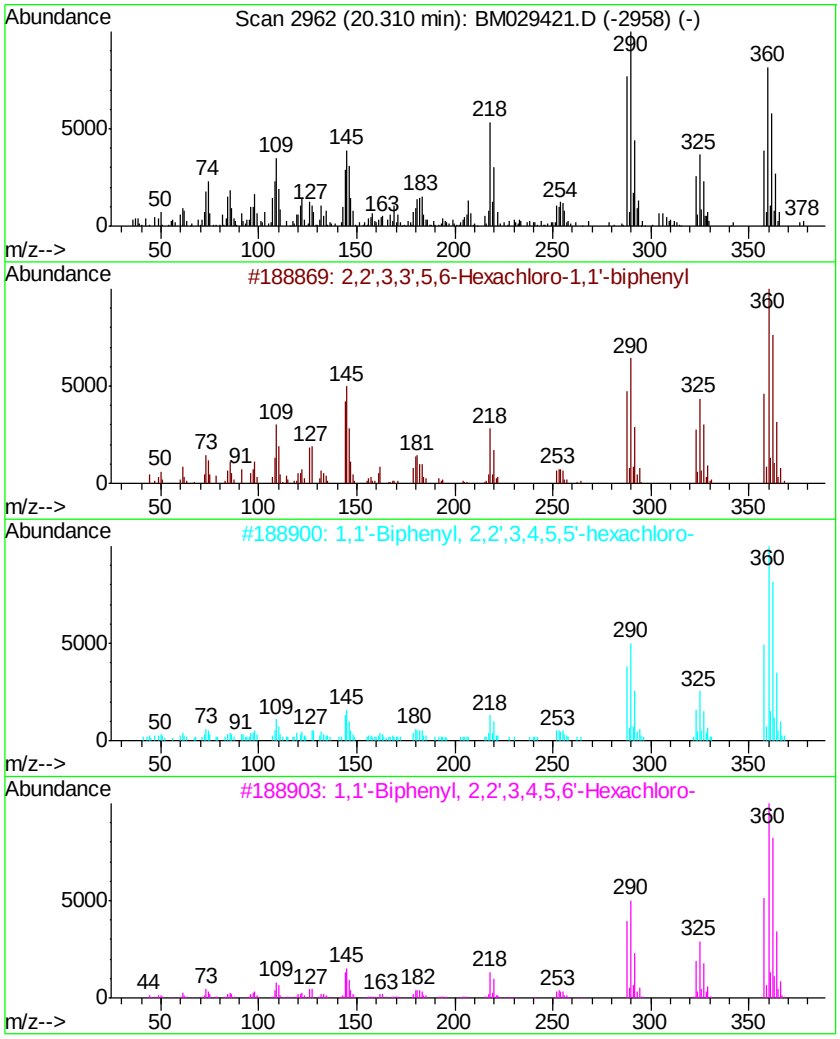
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

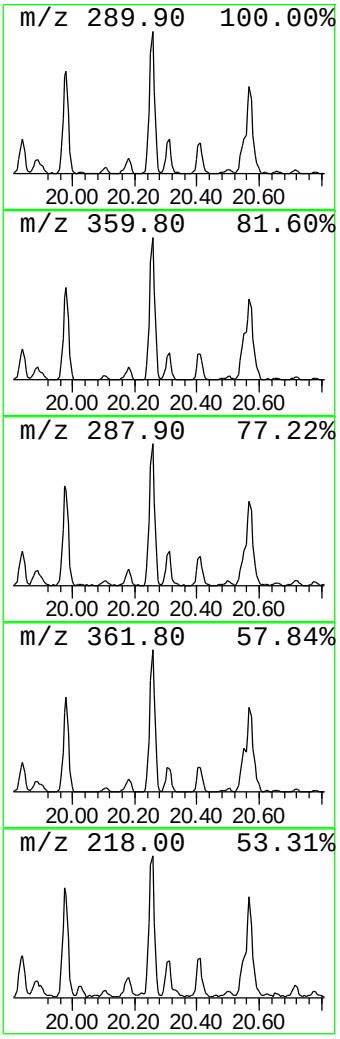
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 3.20 ng/ul | 216737 | Chrysene-d12 | 21.24 |

| 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, 2,2',3,4,5,5'-hex... | 358 | C12H4Cl6 | 052712-04-6 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,5,6'-Hex... | 358 | C12H4Cl6 | 068194-15-0 | 99 |
| 4 | 2,2',3,4,5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-61-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,5-hex... | 358 | C12H4Cl6 | 055215-18-4 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

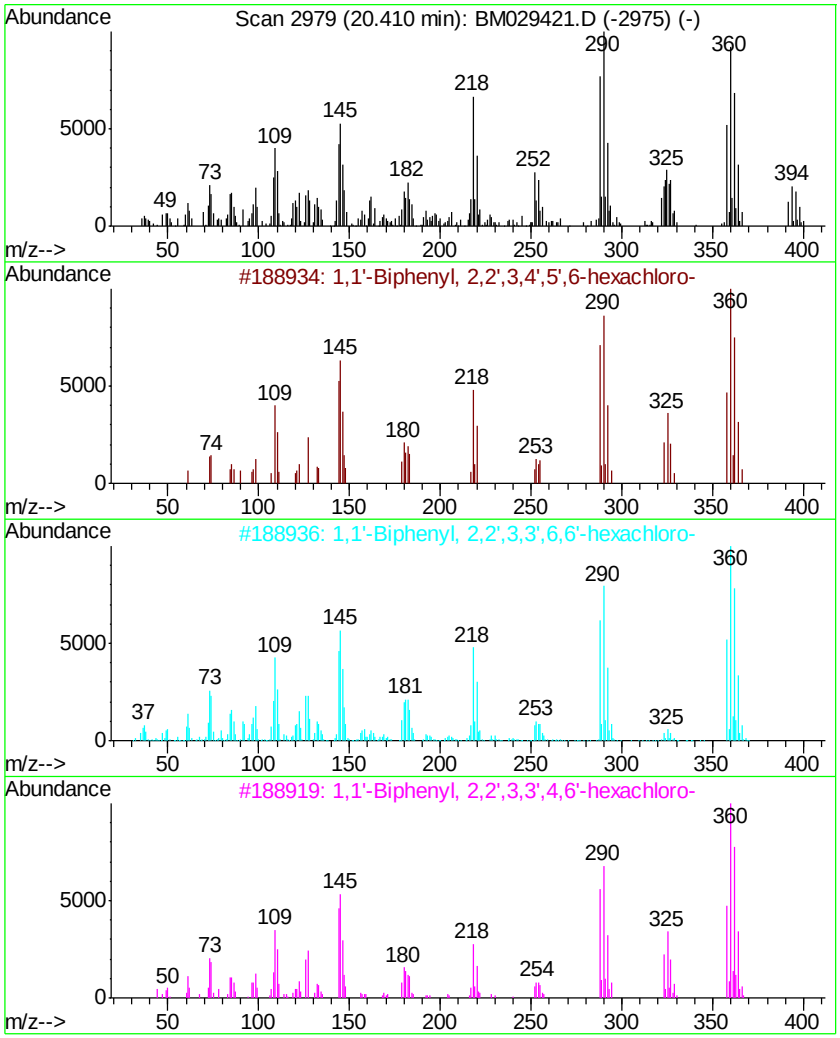
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

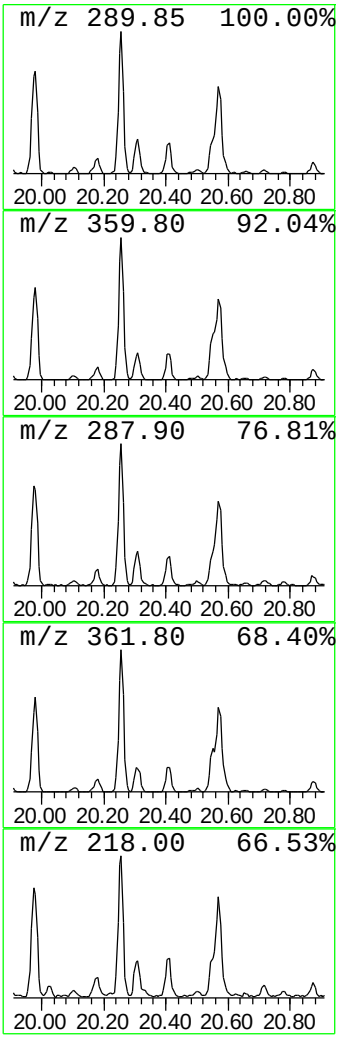
**********

Peak Number 20 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.41 | 4.10 ng/ul | 277818 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,4',5',6-he... | 358 | C12H4Cl6 | 038380-04-0 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',6,6'-he... | 358 | C12H4Cl6 | 038411-22-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,6'-he... | 358 | C12H4Cl6 | 038380-05-1 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4'-he... | 358 | C12H4Cl6 | 038380-07-3 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,6'-he... | 358 | C12H4Cl6 | 038380-05-1 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

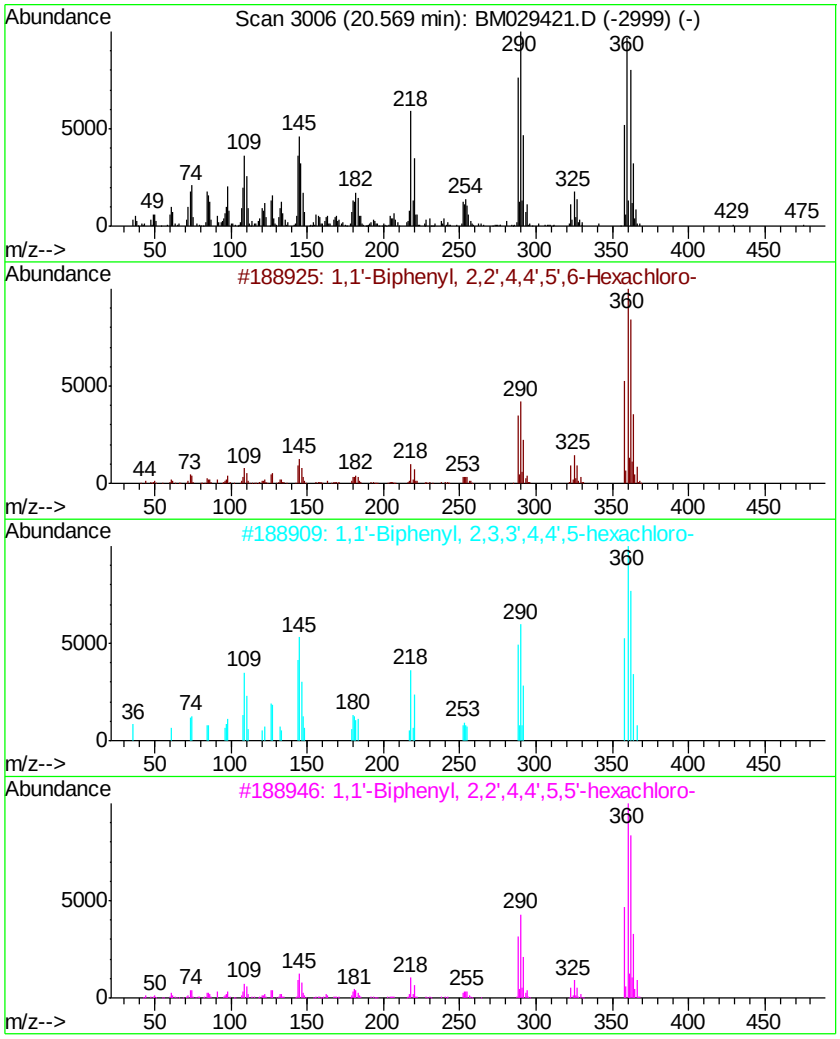
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

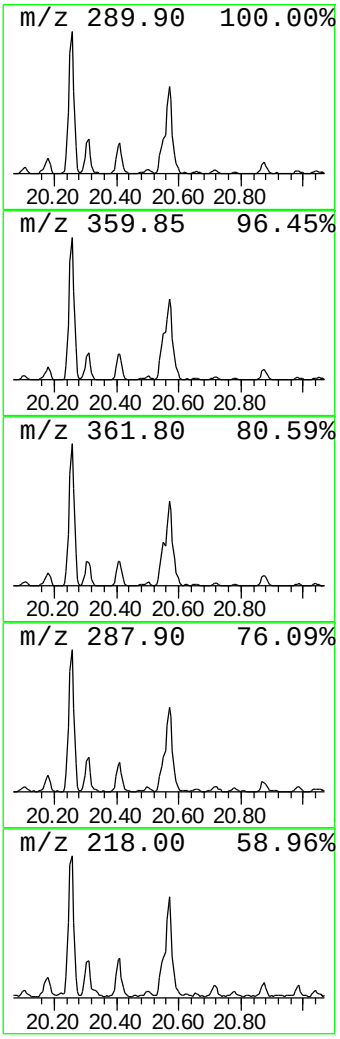
**********

Peak Number 21 1,1'-Biphenyl, 2,2',4,4',5'... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.57 | 9.95 ng/ul | 673363 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',5',6-He... | 358 | C12H4Cl6 | 060145-22-4 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |
| 4 | 1,1'-Biphenyl, 2,3,3',4,4',5-hex... | 358 | C12H4Cl6 | 038380-08-4 | 99 |
| 5 | 2,2',3,5,6,6'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-09-2 | 99 |



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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

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

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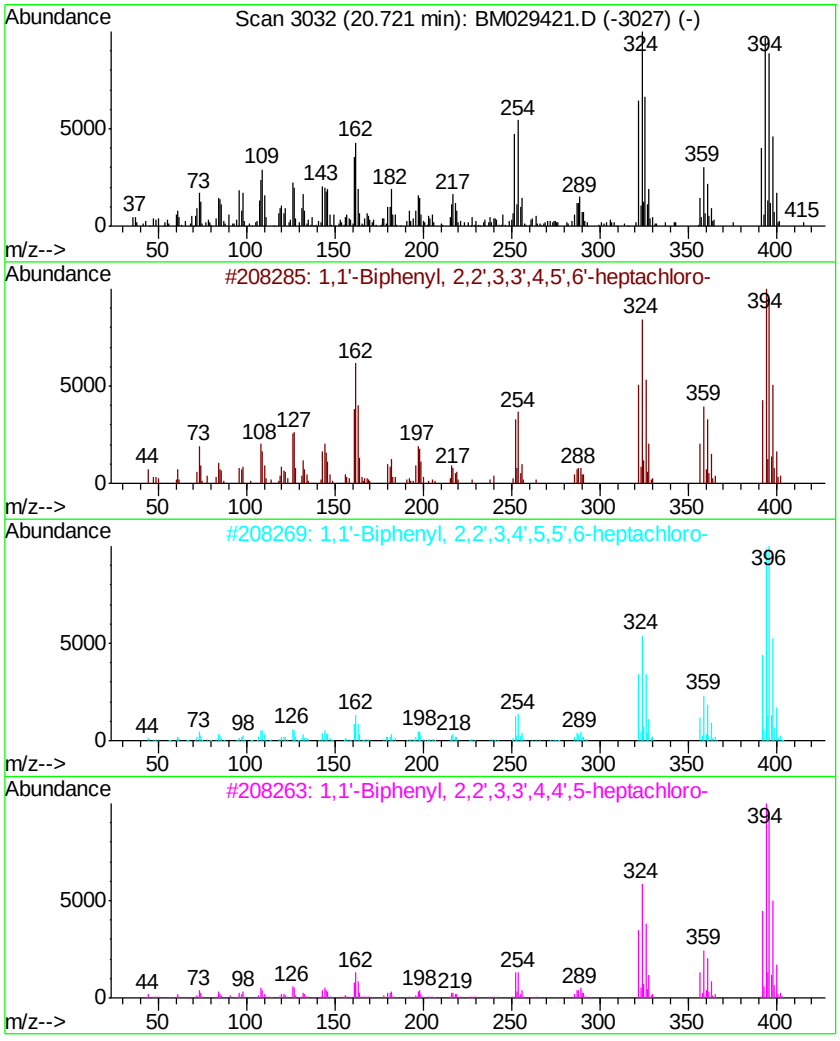
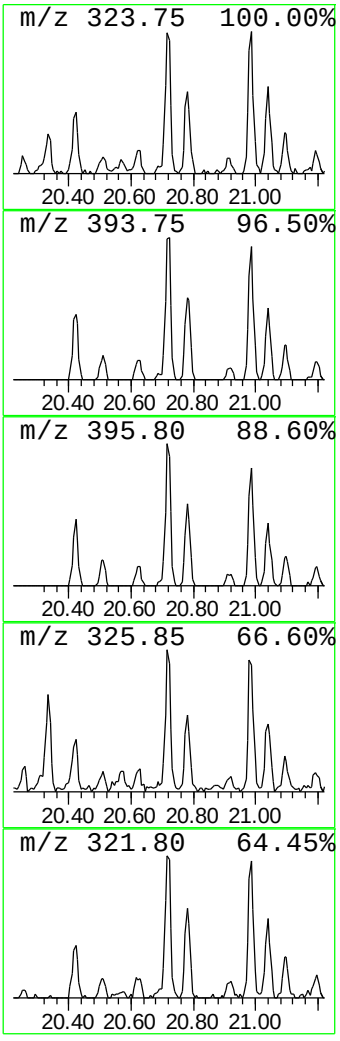
Peak Number 22 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.72 | 4.04 ng/ul | 273808 | Chrysene-d12 | 21.24 |

| 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',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 99 |
| 4 | 2,3,3',4,4',5',6-Heptachloro-1,1... | 392 | C12H3Cl7 | 074472-50-7 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,6,6'-... | 392 | C12H3Cl7 | 052663-65-7 | 99 |



# Library Search Compound Report

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Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

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

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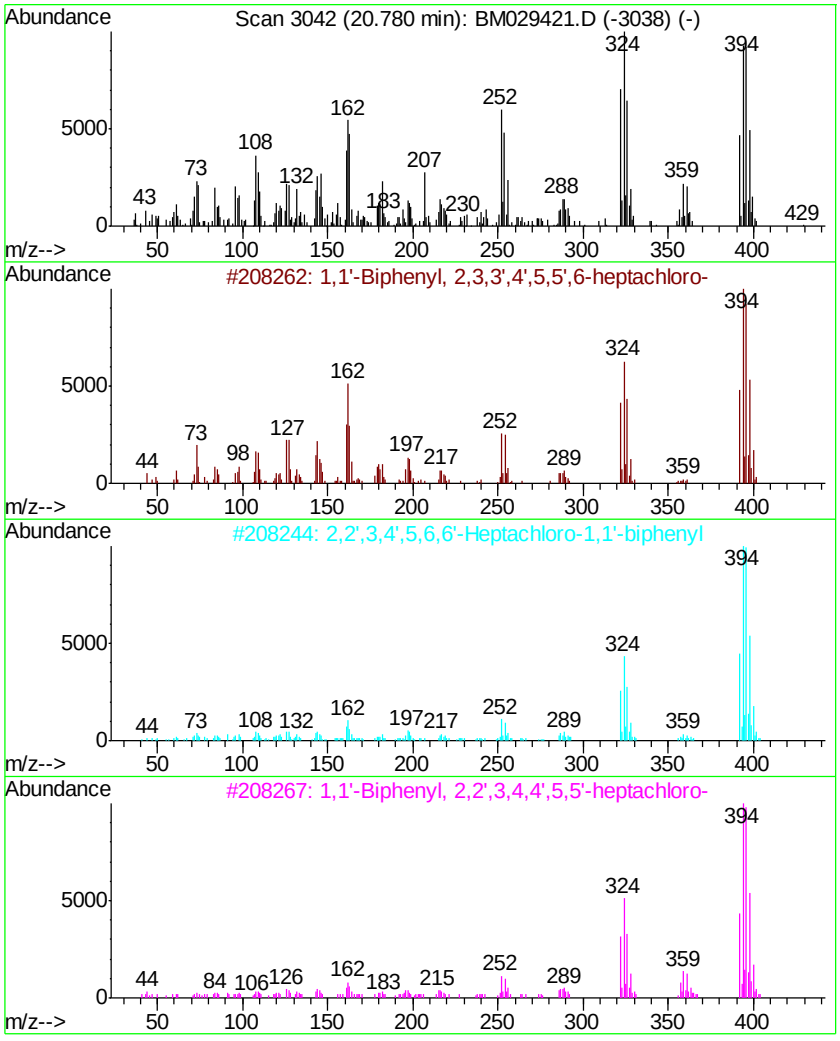
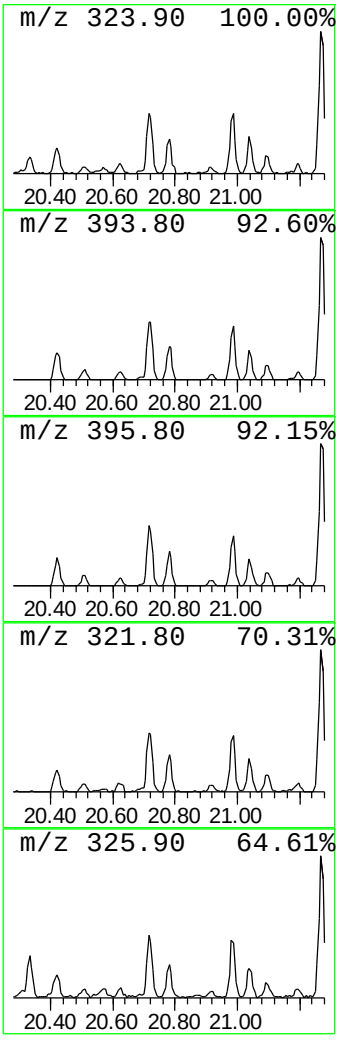
Peak Number 23 1,1'-Biphenyl, 2,3,3',4',5,... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.78 | 2.21 ng/ul | 149811 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4',5,5',6-... | 392 | C12H3Cl7 | 069782-91-8 | 99 |
| 2 | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074487-85-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,4,4',5,5'-... | 392 | C12H3Cl7 | 035065-29-3 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,5,6,6'-H... | 392 | C12H3Cl7 | 074472-49-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,4',5',6-... | 392 | C12H3Cl7 | 052663-69-1 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

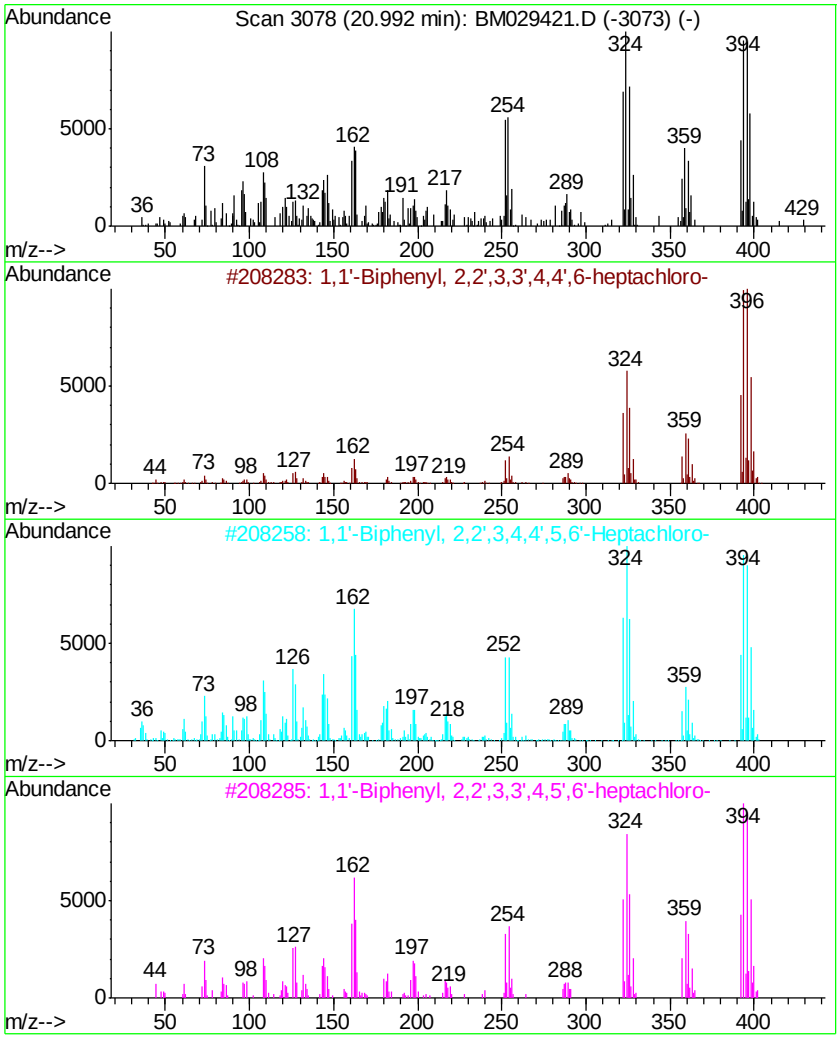
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

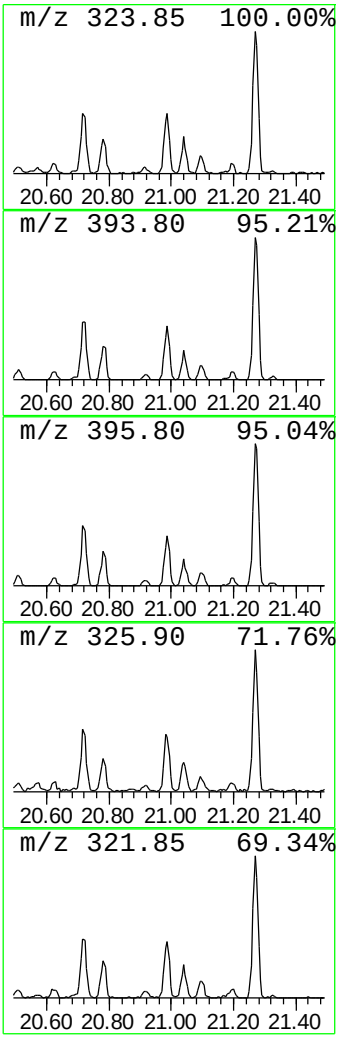
**********

Peak Number 24 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.99 | 3.82 ng/ul | 258923 | Chrysene-d12 | 21.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,4',6-... | 392 | C12H3Cl7 | 052663-71-5 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,4,4',5,6'-... | 392 | C12H3Cl7 | 060145-23-5 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,5',6'... | 392 | C12H3Cl7 | 052663-70-4 | 99 |
| 4 | 2,2',3,4',5,6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074487-85-7 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

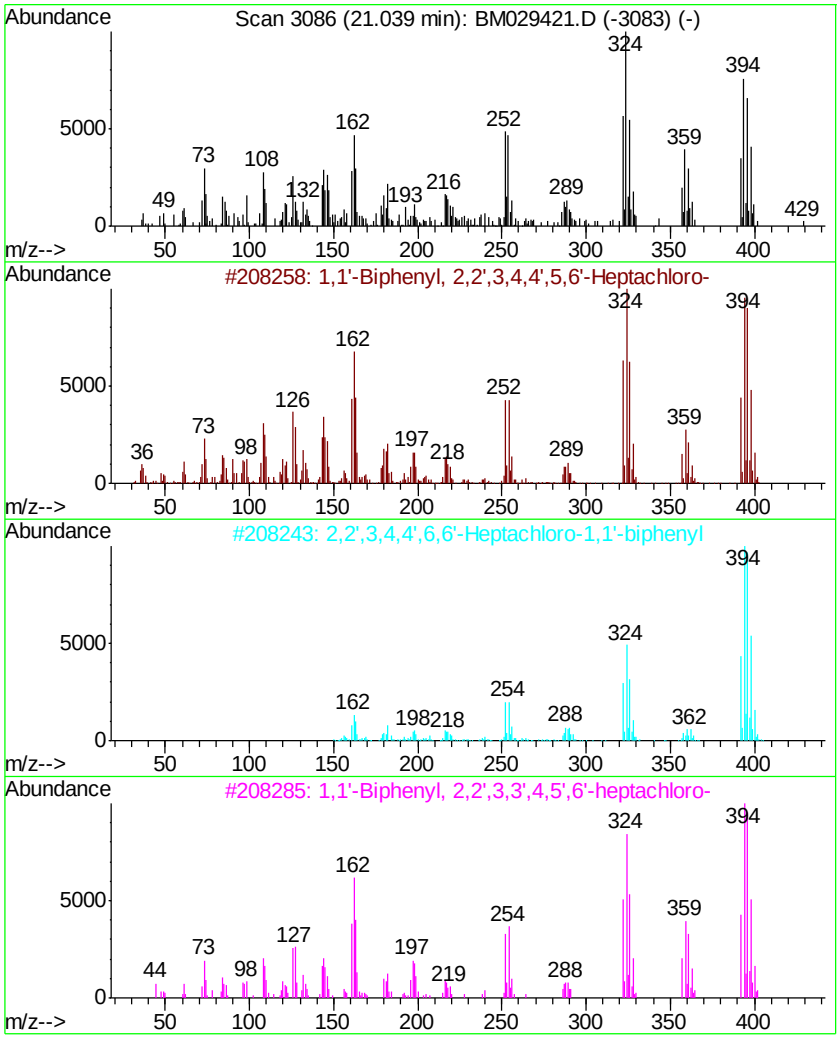
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

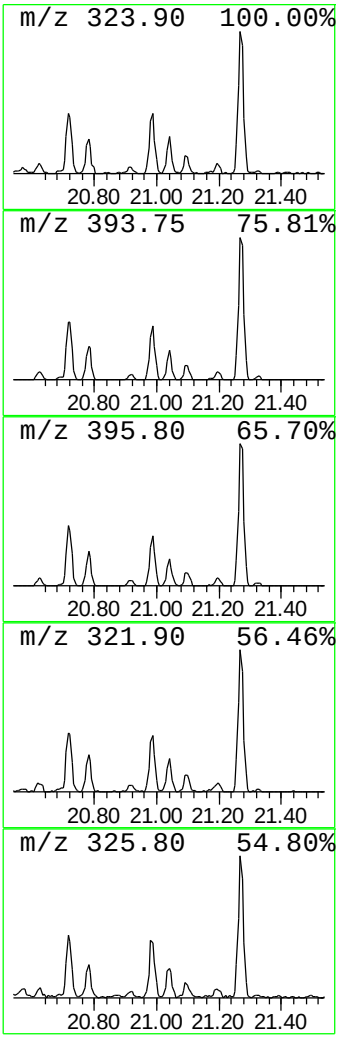
**********

Peak Number 25 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.04 | 2.19 ng/ul | 148211 | Chrysene-d12 | 21.24 |

| 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 | 2,2',3,4,4',6,6'-Heptachloro-1,1... | 392 | C12H3Cl7 | 074472-48-3 | 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',5,6-H... | 392 | C12H3Cl7 | 041411-64-7 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,4,5,6,6'-H... | 392 | C12H3Cl7 | 074472-49-4 | 99 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

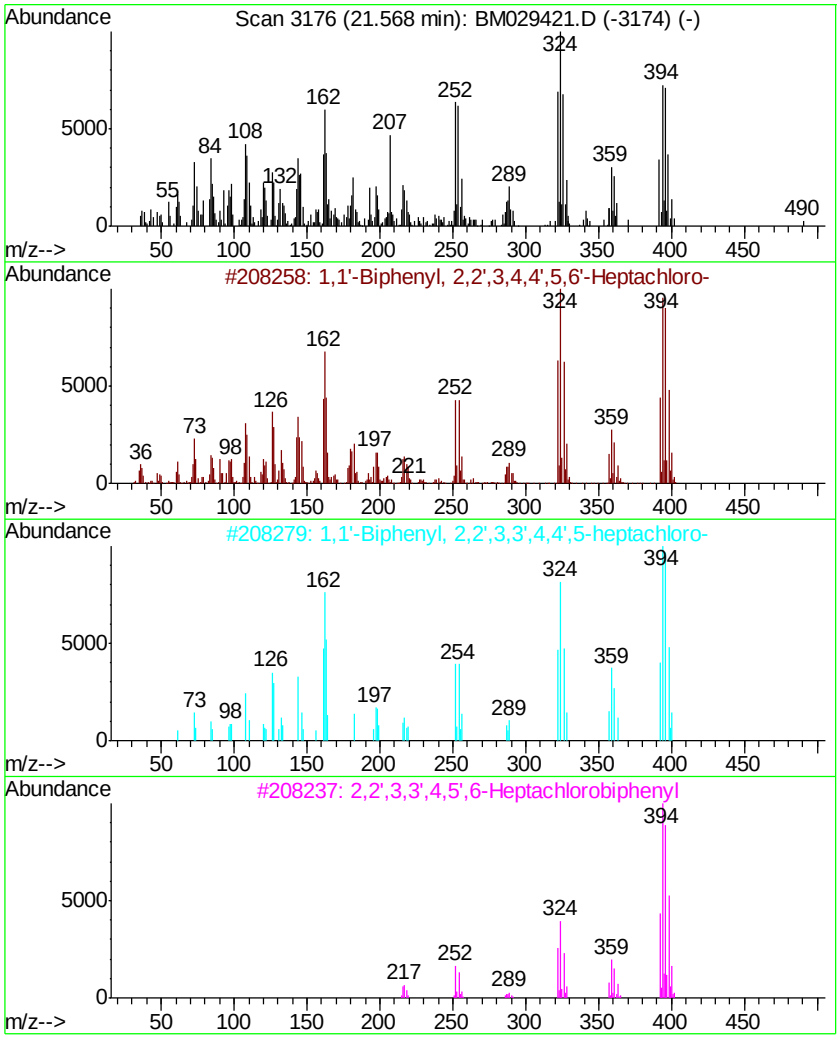
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

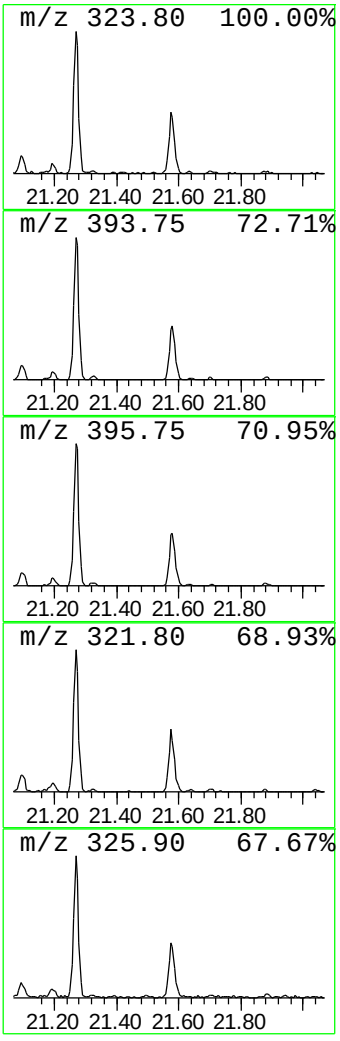
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.57 | 3.96 ng/ul | 268406 | Chrysene-d12 | 21.24 |

| 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 | 1,1'-Biphenyl, 2,2',3,3',4,4',5-... | 392 | C12H3Cl7 | 035065-30-6 | 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 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040721\
Data File : BM029421.D
Acq On : 08 Apr 2021 23:41
Operator : CG/JU
Sample : M1959-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B41

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.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 |
| 4-Pentenal, 2-met... | 2.95 | 3.4 | ng/ul | 145256 | 1 | 7.69 | 856836 | 20.0 |
| (DEL) Alkane: Str... | 3.12 | 60.0 | ng/ul | 2570090 | 1 | 7.69 | 856836 | 20.0 |
| (DEL) Alkane: Cyc... | 3.45 | 2.1 | ng/ul | 90856 | 1 | 7.69 | 856836 | 20.0 |
| 1,1'-Biphenyl, 3,... | 17.67 | 6.7 | ng/ul | 544884 | 4 | 17.06 | 1639020 | 20.0 |
| 1,1'-Biphenyl, 2'... | 17.92 | 2.7 | ng/ul | 218951 | 4 | 17.06 | 1639020 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.13 | 4.3 | ng/ul | 351526 | 4 | 17.06 | 1639020 | 20.0 |
| 2,2',4,5-Tetrachl... | 18.19 | 3.0 | ng/ul | 242756 | 4 | 17.06 | 1639020 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.42 | 4.0 | ng/ul | 330694 | 4 | 17.06 | 1639020 | 20.0 |
| 2,3,3',6-Tetrachl... | 18.60 | 2.8 | ng/ul | 231791 | 4 | 17.06 | 1639020 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.90 | 2.5 | ng/ul | 205984 | 4 | 17.06 | 1639020 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.99 | 7.3 | ng/ul | 596159 | 4 | 17.06 | 1639020 | 20.0 |
| 3,3',4,5-Tetrachl... | 19.20 | 4.9 | ng/ul | 334698 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.27 | 5.7 | ng/ul | 382413 | 5 | 21.24 | 1354120 | 20.0 |
| 3,3',4,4,',5-Pent... | 19.72 | 4.6 | ng/ul | 310001 | 5 | 21.24 | 1354120 | 20.0 |
| 2,2',3,3',5,6-Hex... | 19.84 | 3.0 | ng/ul | 200660 | 5 | 21.24 | 1354120 | 20.0 |
| 2,2',3,4',5,6'-He... | 19.97 | 8.6 | ng/ul | 583507 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.03 | 2.0 | ng/ul | 136677 | 5 | 21.24 | 1354120 | 20.0 |
| 2,2',3,4,6,6'-Hex... | 20.26 | 10.4 | ng/ul | 705837 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.31 | 3.2 | ng/ul | 216737 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.41 | 4.1 | ng/ul | 277818 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.57 | 9.9 | ng/ul | 673363 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.72 | 4.0 | ng/ul | 273808 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.78 | 2.2 | ng/ul | 149811 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.99 | 3.8 | ng/ul | 258923 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.04 | 2.2 | ng/ul | 148211 | 5 | 21.24 | 1354120 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.57 | 4.0 | ng/ul | 268406 | 5 | 21.24 | 1354120 | 20.0 |