LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

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-BM050721.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 | 2.940 | 5 | 9 | 24 | rVB | 2992142 | 2924744 | 100.00% | 19.433% |
| 2 | 3.240 | 57 | 60 | 61 | rBV3 | 7788 | 9148 | 0.31% | 0.061% |
| 3 | 3.263 | 61 | 64 | 71 | rVB | 80093 | 94175 | 3.22% | 0.626% |
| 4 | 3.646 | 125 | 129 | 133 | rBV7 | 3901 | 7025 | 0.24% | 0.047% |
| 5 | 3.740 | 141 | 145 | 150 | rVB2 | 11216 | 14809 | 0.51% | 0.098% |
| 6 | 4.957 | 348 | 352 | 354 | rBV5 | 2362 | 3224 | 0.11% | 0.021% |
| 7 | 7.504 | 779 | 785 | 807 | rBV | 511570 | 958740 | 32.78% | 6.370% |
| 8 | 10.057 | 1213 | 1219 | 1224 | rBV6 | 6314 | 12014 | 0.41% | 0.080% |
| 9 | 10.222 | 1242 | 1247 | 1250 | rBV5 | 4922 | 8872 | 0.30% | 0.059% |
| 10 | 10.275 | 1250 | 1256 | 1273 | rVV | 659735 | 1257514 | 43.00% | 8.355% |
| 11 | 10.522 | 1293 | 1298 | 1305 | rVB7 | 4200 | 9592 | 0.33% | 0.064% |
| 12 | 10.739 | 1332 | 1335 | 1341 | rVB4 | 3776 | 5726 | 0.20% | 0.038% |
| 13 | 14.157 | 1909 | 1916 | 1934 | rBV | 1136107 | 1767322 | 60.43% | 11.743% |
| 14 | 16.715 | 2342 | 2351 | 2354 | rBV8 | 3071 | 6542 | 0.22% | 0.043% |
| 15 | 16.904 | 2377 | 2383 | 2402 | rBV | 1205690 | 1994068 | 68.18% | 13.249% |
| 16 | 17.027 | 2402 | 2404 | 2410 | rVB4 | 5347 | 9740 | 0.33% | 0.065% |
| 17 | 17.415 | 2463 | 2470 | 2474 | rBV8 | 1636 | 4225 | 0.14% | 0.028% |
| 18 | 17.533 | 2485 | 2490 | 2491 | rBV4 | 3615 | 5435 | 0.19% | 0.036% |
| 19 | 17.827 | 2536 | 2540 | 2544 | rBV6 | 5279 | 9564 | 0.33% | 0.064% |
| 20 | 17.980 | 2561 | 2566 | 2573 | rBV | 81384 | 110416 | 3.78% | 0.734% |
| 21 | 18.045 | 2573 | 2577 | 2580 | rVV4 | 16528 | 22717 | 0.78% | 0.151% |
| 22 | 18.092 | 2581 | 2585 | 2587 | rVB5 | 2954 | 3821 | 0.13% | 0.025% |
| 23 | 18.268 | 2610 | 2615 | 2621 | rBV2 | 38323 | 47983 | 1.64% | 0.319% |
| 24 | 18.445 | 2642 | 2645 | 2652 | rVB3 | 9672 | 12321 | 0.42% | 0.082% |
| 25 | 18.762 | 2694 | 2699 | 2703 | rBV4 | 13775 | 19547 | 0.67% | 0.130% |
| 26 | 18.833 | 2703 | 2711 | 2719 | rVV2 | 138763 | 237946 | 8.14% | 1.581% |
| 27 | 18.921 | 2722 | 2726 | 2731 | rVB6 | 21129 | 27348 | 0.94% | 0.182% |
| 28 | 19.039 | 2743 | 2746 | 2752 | rBV6 | 28829 | 43423 | 1.48% | 0.289% |
| 29 | 19.115 | 2754 | 2759 | 2767 | rVV | 220510 | 306651 | 10.48% | 2.037% |
| 30 | 19.186 | 2767 | 2771 | 2776 | rVV | 75518 | 96947 | 3.31% | 0.644% |
| 31 | 19.256 | 2780 | 2783 | 2787 | rVB6 | 5354 | 6938 | 0.24% | 0.046% |
| 32 | 19.309 | 2789 | 2792 | 2795 | rBV5 | 8230 | 10410 | 0.36% | 0.069% |
| 33 | 19.380 | 2800 | 2804 | 2809 | rVV2 | 59210 | 68969 | 2.36% | 0.458% |
| 34 | 19.462 | 2813 | 2818 | 2823 | rVV3 | 90846 | 120017 | 4.10% | 0.797% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

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-BM050721.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.509 | 2823 | 2826 | 2829 | rVV2 | 31551 | 38213 | 1.31% | 0.254% |
| 36 | 19.568 | 2829 | 2836 | 2842 | rVB | 216950 | 281161 | 9.61% | 1.868% |
| 37 | 19.692 | 2853 | 2857 | 2858 | rBV3 | 15142 | 16639 | 0.57% | 0.111% |
| 38 | 19.709 | 2858 | 2860 | 2862 | rVV2 | 10419 | 11618 | 0.40% | 0.077% |
| 39 | 19.827 | 2876 | 2880 | 2885 | rBV3 | 95128 | 122288 | 4.18% | 0.813% |
| 40 | 19.886 | 2885 | 2890 | 2895 | rVV | 162533 | 219565 | 7.51% | 1.459% |
| 41 | 20.027 | 2912 | 2914 | 2918 | rVB5 | 16451 | 21012 | 0.72% | 0.140% |
| 42 | 20.109 | 2924 | 2928 | 2932 | rBV | 109992 | 124878 | 4.27% | 0.830% |
| 43 | 20.162 | 2933 | 2937 | 2939 | rVV3 | 54713 | 67146 | 2.30% | 0.446% |
| 44 | 20.192 | 2939 | 2942 | 2946 | rVB2 | 68991 | 85435 | 2.92% | 0.568% |
| 45 | 20.262 | 2951 | 2954 | 2959 | rVB5 | 22592 | 28055 | 0.96% | 0.186% |
| 46 | 20.427 | 2975 | 2982 | 2989 | rVB2 | 125830 | 220348 | 7.53% | 1.464% |
| 47 | 20.727 | 3030 | 3033 | 3038 | rBV6 | 37290 | 48653 | 1.66% | 0.323% |
| 48 | 21.098 | 3091 | 3096 | 3108 | rBV | 1361292 | 1924207 | 65.79% | 12.785% |
| 49 | 23.239 | 3454 | 3460 | 3472 | rBV2 | 827820 | 1603473 | 54.82% | 10.654% |

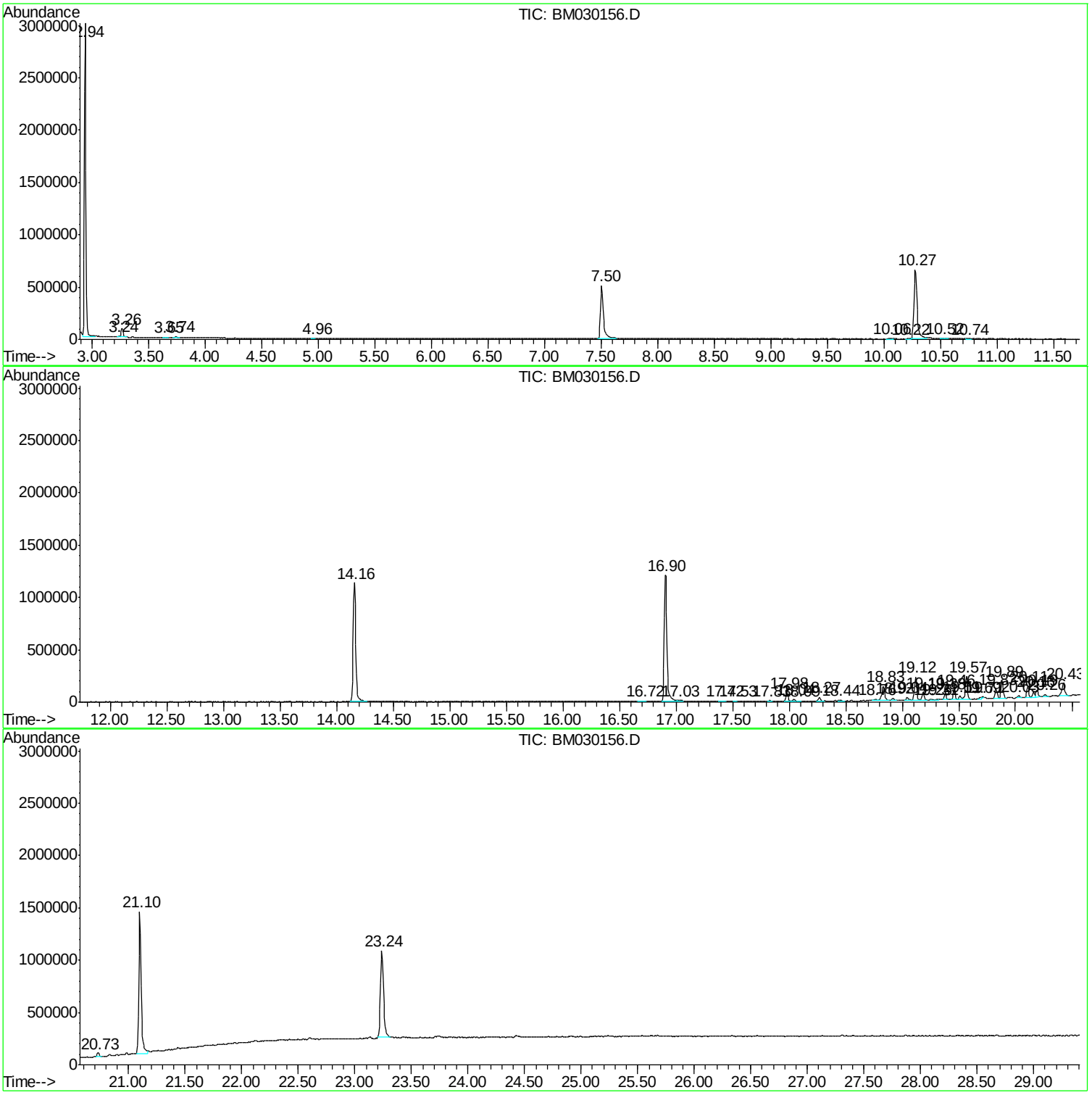
Sum of corrected areas: 15050624

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.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\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

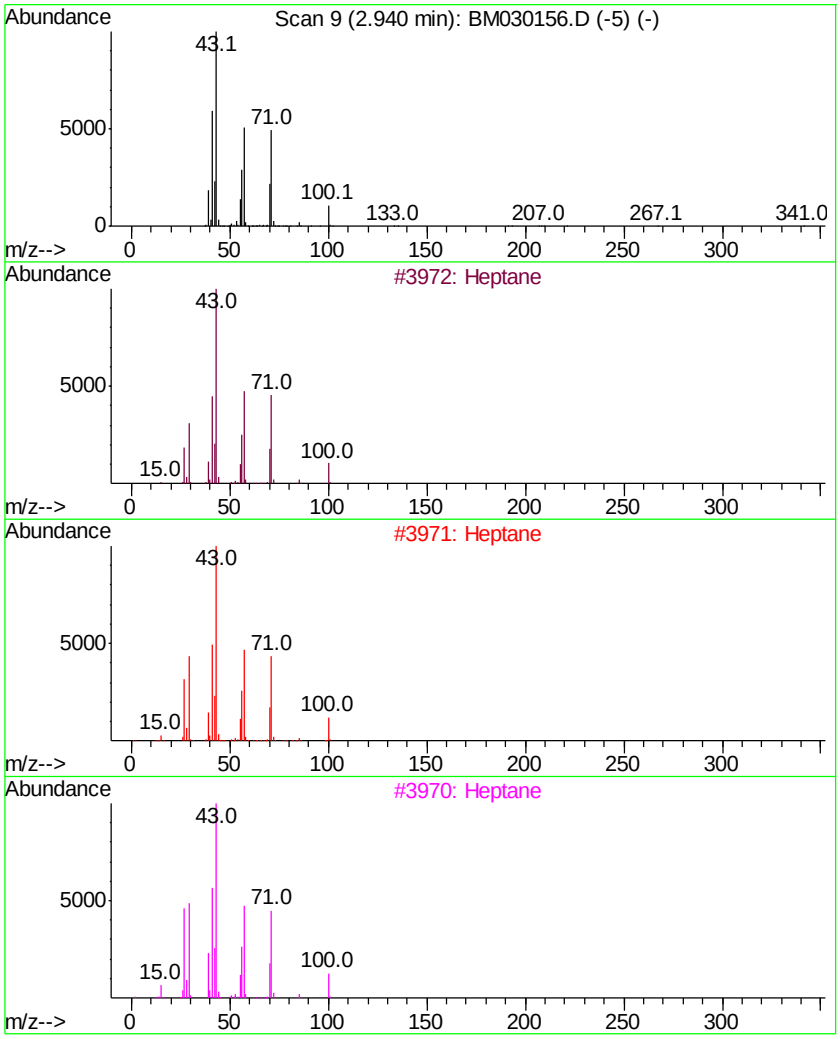
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

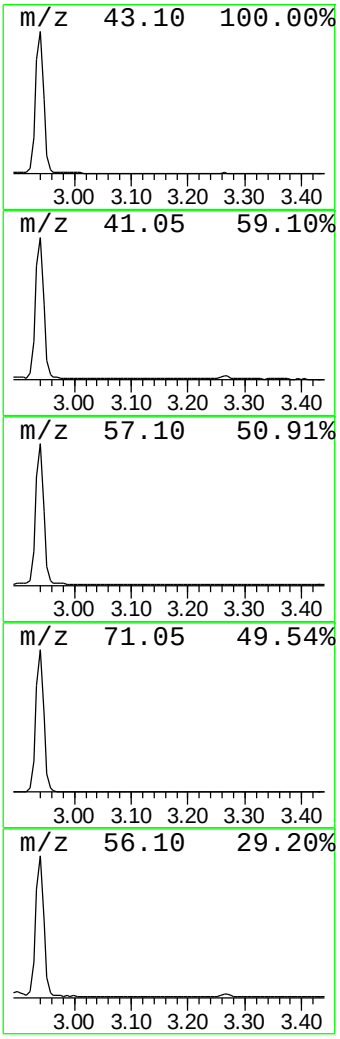
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.94 | 61.01 ng/ul | 2924740 | 1,4-Dichlorobenzene-d4 | 7.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 95 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 83 |
| 5 | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

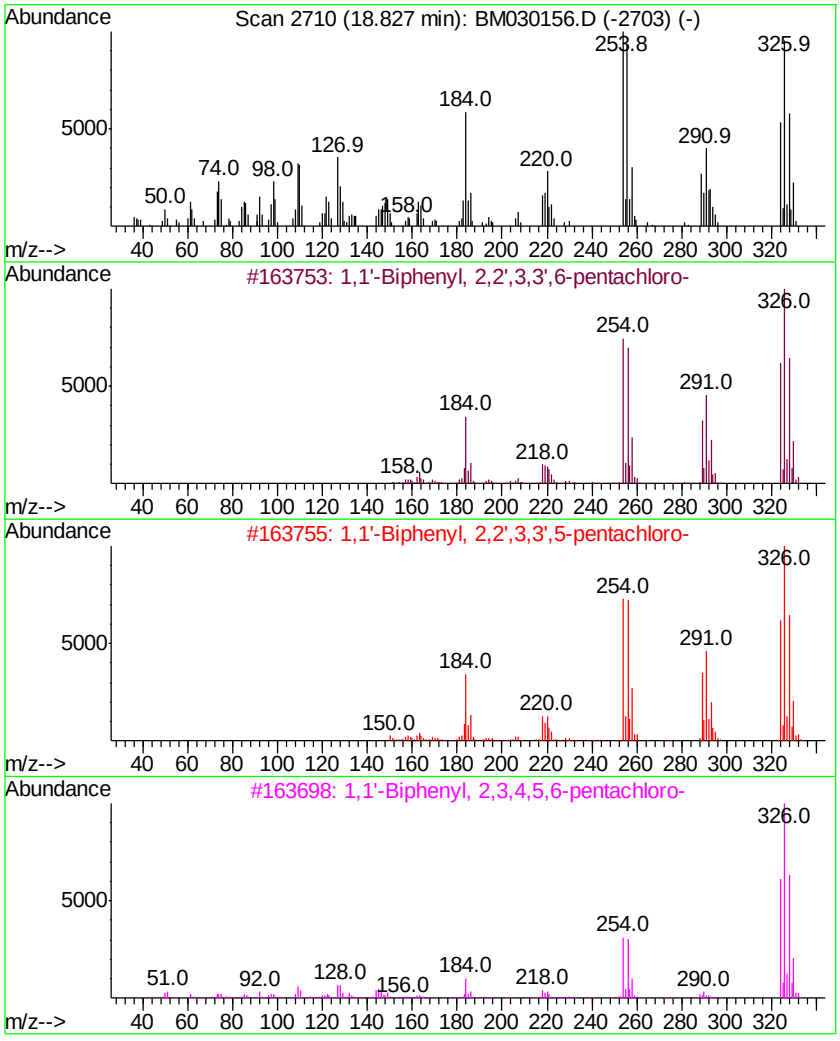
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

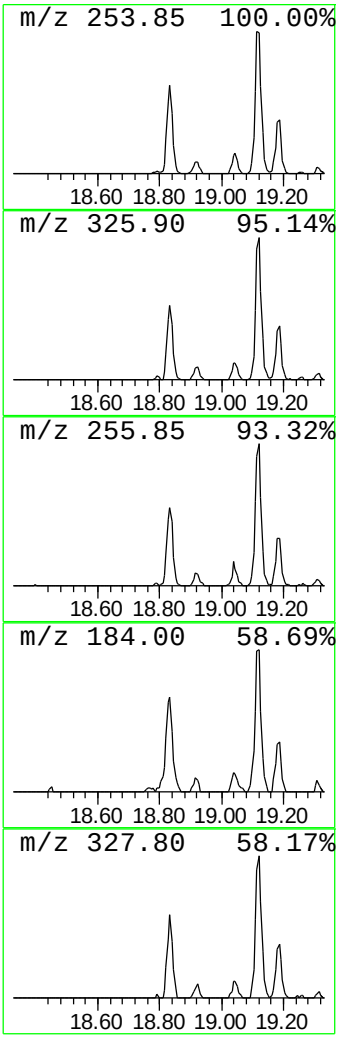
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.83 | 2.39 ng/ul | 237946 | Phenanthrene-d10 | 16.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',6-penta... | 324 | C12H5Cl5 | 052663-60-2 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',5-penta... | 324 | C12H5Cl5 | 060145-20-2 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,4,5,6-pentach... | 324 | C12H5Cl5 | 018259-05-7 | 99 |
| 4 | 2,2',3,4,4'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 065510-45-4 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,5,5'-penta... | 324 | C12H5Cl5 | 052663-61-3 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

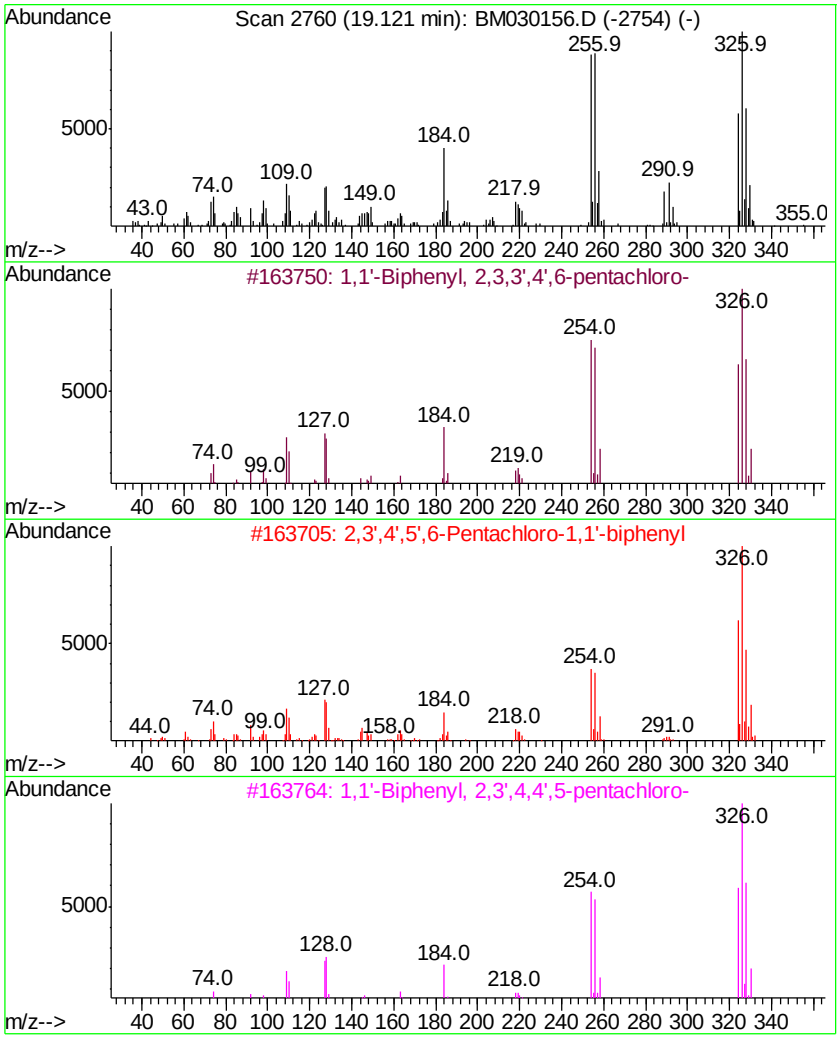
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

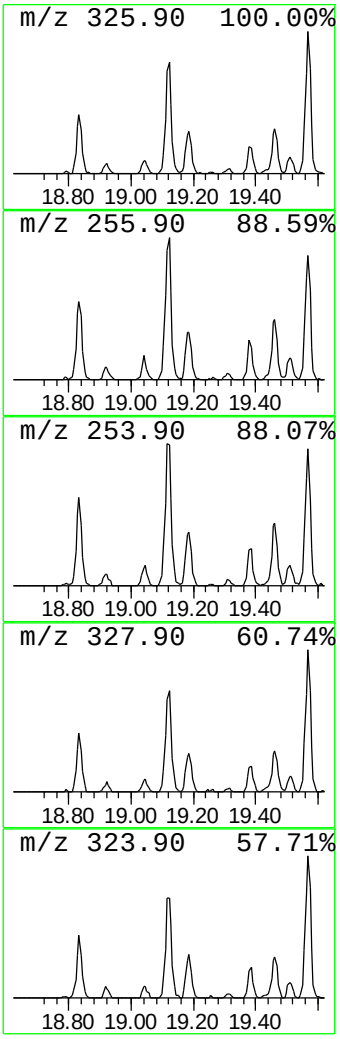
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.12 | 3.19 ng/ul | 306651 | Chrysene-d12 | 21.10 |

| 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',4',5',6-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 074472-39-2 | 98 |
| 3 | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324 | C12H5Cl5 | 031508-00-6 | 98 |
| 4 | 1,1'-Biphenyl, 2,2',4,4',5-penta... | 324 | C12H5Cl5 | 038380-01-7 | 97 |
| 5 | 1,1'-Biphenyl, 2,3',4,5,5'-penta... | 324 | C12H5Cl5 | 068194-12-7 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

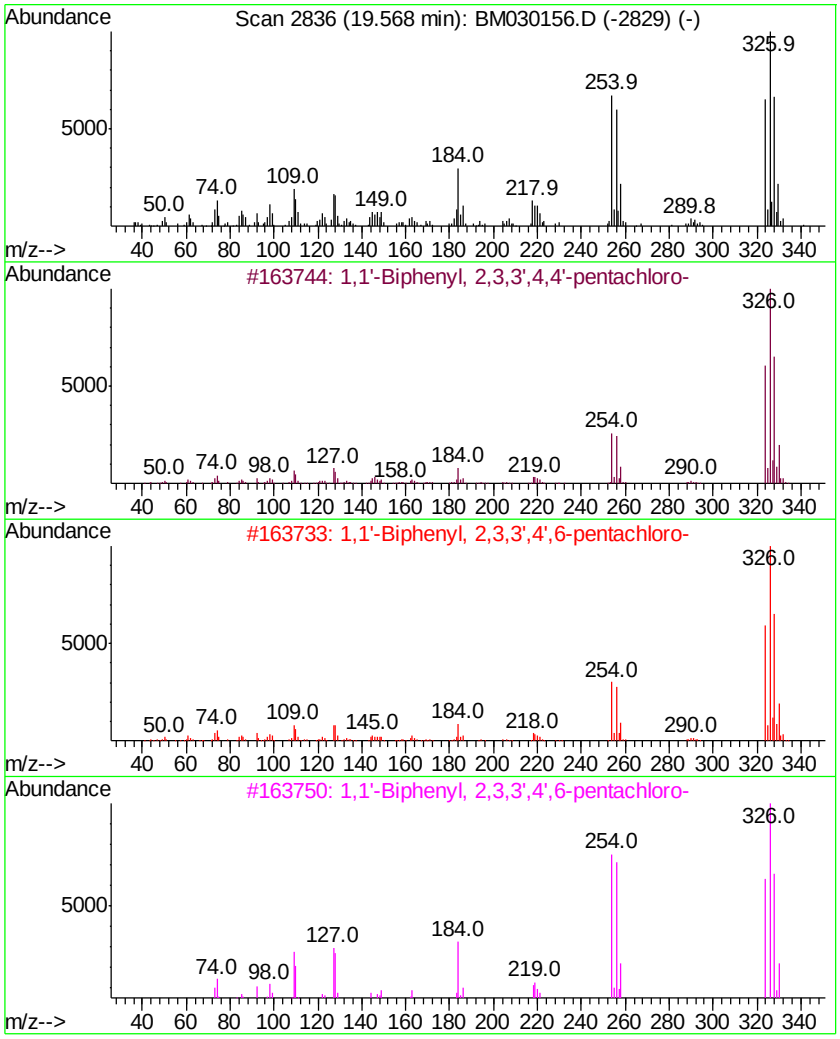
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

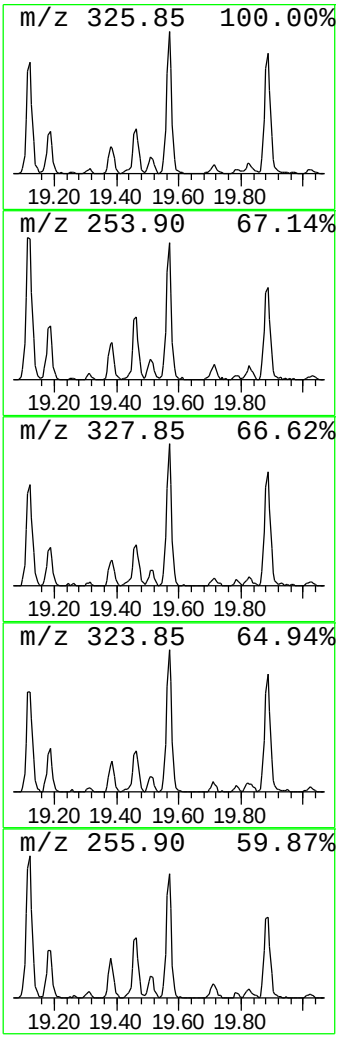
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.57 | 2.92 ng/ul | 281161 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5 | 032598-14-4 | 99 |
| 2 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 3 | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5 | 038380-03-9 | 99 |
| 4 | 2,3,3',4,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 070362-41-3 | 99 |
| 5 | 3,3',4,4',5-Pentachloro-1,1'-bi... | 324 | C12H5Cl5 | 057465-28-8 | 99 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

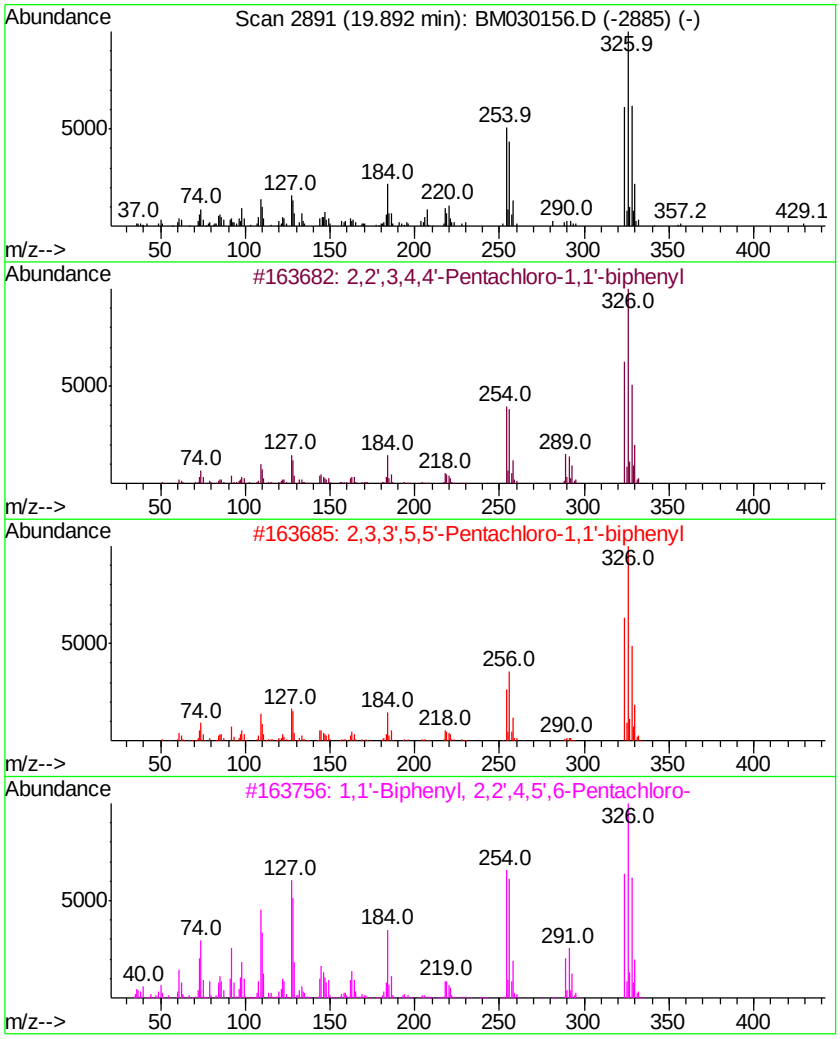
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

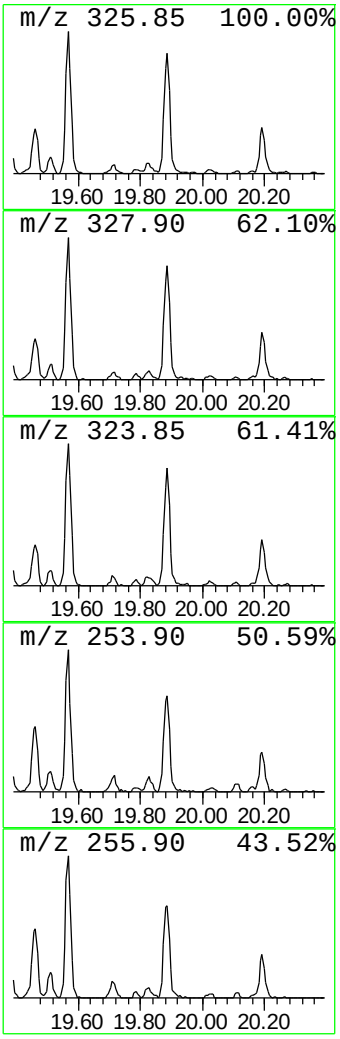
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.89 | 2.28 ng/ul | 219565 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2',3,4,4'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 065510-45-4 | 99 |
| 2 | 2,3,3',5,5'-Pentachloro-1,1'-bip... | 324 | C12H5Cl5 | 039635-32-0 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',4,5',6-Penta... | 324 | C12H5Cl5 | 060145-21-3 | 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 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

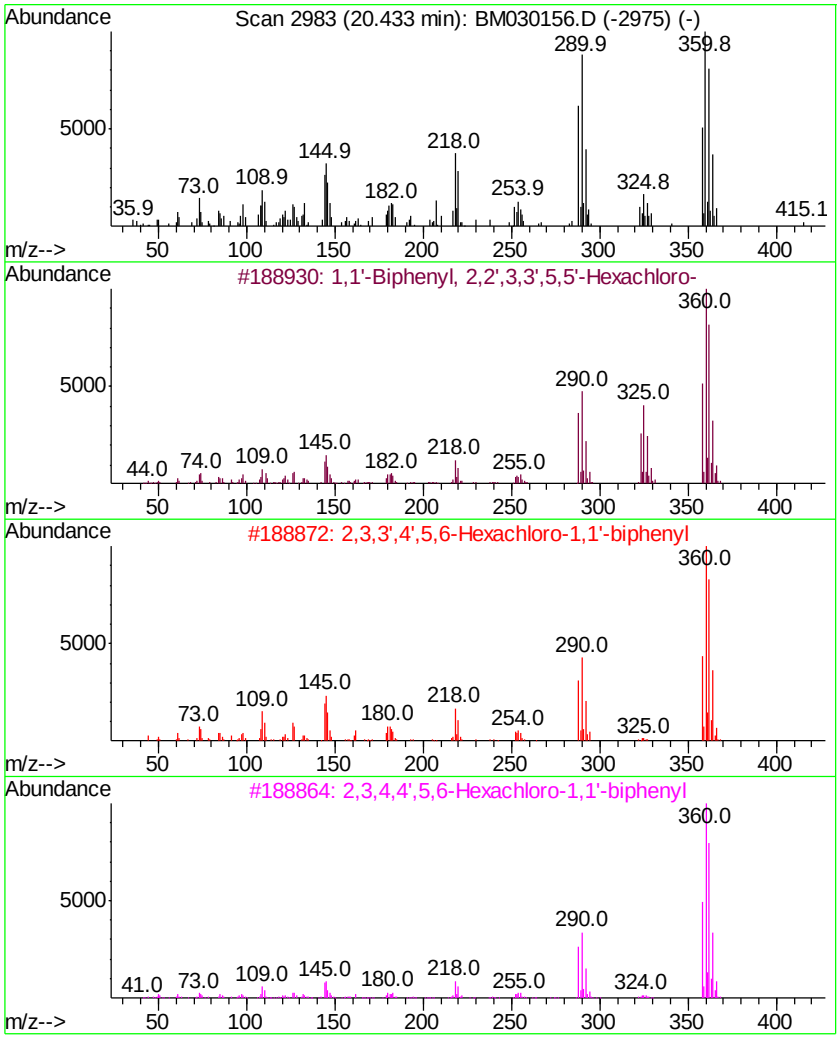
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

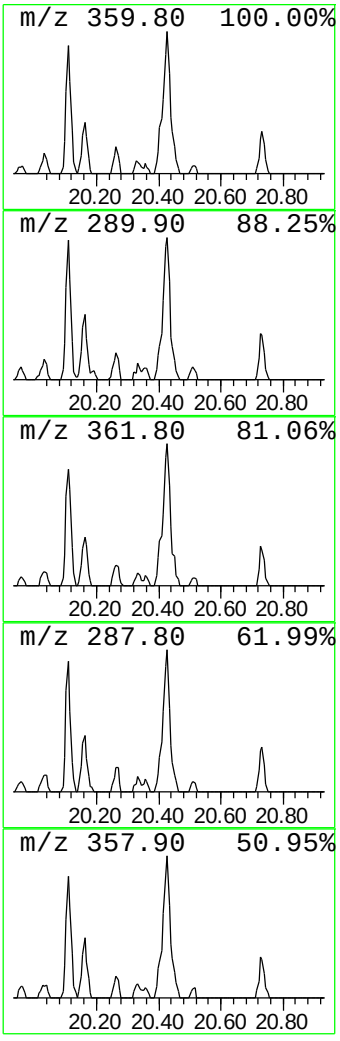
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.43 | 2.29 ng/ul | 220348 | Chrysene-d12 | 21.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',5,5'-He... | 358 | C12H4Cl6 | 035694-04-3 | 99 |
| 2 | 2,3,3',4',5,6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-44-9 | 99 |
| 3 | 2,3,4,4',5,6-Hexachloro-1,1'-bip... | 358 | C12H4Cl6 | 041411-63-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99 |
| 5 | 2,2',3,5,6,6'-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 068194-09-2 | 99 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052021\
Data File : BM030156.D
Acq On : 22 May 2021 18:42
Operator : CG/JU
Sample : M2408-12
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0CL0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.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... | 2.94 | 61.0 | ng/ul | 2924740 | 1 | 7.50 | 958740 | 20.0 |
| 1,1'-Biphenyl, 2,... | 18.83 | 2.4 | ng/ul | 237946 | 4 | 16.91 | 1994070 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.12 | 3.2 | ng/ul | 306651 | 5 | 21.10 | 1924210 | 20.0 |
| 1,1'-Biphenyl, 2,... | 19.57 | 2.9 | ng/ul | 281161 | 5 | 21.10 | 1924210 | 20.0 |
| 2,2',3,4,4'-Penta... | 19.89 | 2.3 | ng/ul | 219565 | 5 | 21.10 | 1924210 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.43 | 2.3 | ng/ul | 220348 | 5 | 21.10 | 1924210 | 20.0 |