LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023377.D
Acq On : 24 Oct 2019 13:45
Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

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-BM102319MA.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 | 3.081 | 13 | 16 | 23 | rVB | 819628 | 878173 | 14.49% | 2.375% |
| 2 | 7.628 | 782 | 789 | 798 | rBV | 2100205 | 3224439 | 53.19% | 8.722% |
| 3 | 8.193 | 883 | 885 | 888 | rVB2 | 6870 | 6694 | 0.11% | 0.018% |
| 4 | 8.240 | 888 | 893 | 895 | rBV3 | 4147 | 8550 | 0.14% | 0.023% |
| 5 | 10.410 | 1254 | 1262 | 1274 | rBV | 2550092 | 4271180 | 70.46% | 11.554% |
| 6 | 10.640 | 1299 | 1301 | 1309 | rVB7 | 3646 | 7636 | 0.13% | 0.021% |
| 7 | 13.957 | 1861 | 1865 | 1869 | rBV4 | 6038 | 10122 | 0.17% | 0.027% |
| 8 | 14.280 | 1913 | 1920 | 1931 | rBV | 3608262 | 5310827 | 87.61% | 14.366% |
| 9 | 15.280 | 2085 | 2090 | 2093 | rBV6 | 7027 | 9971 | 0.16% | 0.027% |
| 10 | 15.839 | 2183 | 2185 | 2191 | rVB7 | 4907 | 6552 | 0.11% | 0.018% |
| 11 | 16.022 | 2213 | 2216 | 2221 | rBV6 | 4827 | 8645 | 0.14% | 0.023% |
| 12 | 16.222 | 2247 | 2250 | 2252 | rBV4 | 4732 | 6508 | 0.11% | 0.018% |
| 13 | 16.327 | 2264 | 2268 | 2270 | rBV4 | 5438 | 7439 | 0.12% | 0.020% |
| 14 | 16.810 | 2347 | 2350 | 2356 | rVB4 | 17024 | 25239 | 0.42% | 0.068% |
| 15 | 16.921 | 2364 | 2369 | 2371 | rBV4 | 5224 | 7970 | 0.13% | 0.022% |
| 16 | 17.021 | 2380 | 2386 | 2395 | rBV2 | 4056685 | 5711003 | 94.21% | 15.449% |
| 17 | 17.121 | 2400 | 2403 | 2407 | rVB3 | 12376 | 15791 | 0.26% | 0.043% |
| 18 | 17.945 | 2539 | 2543 | 2549 | rBV5 | 37776 | 58129 | 0.96% | 0.157% |
| 19 | 20.698 | 3008 | 3011 | 3017 | rVB5 | 224128 | 252679 | 4.17% | 0.684% |
| 20 | 21.039 | 3066 | 3069 | 3073 | rVB2 | 330033 | 355986 | 5.87% | 0.963% |
| 21 | 21.215 | 3094 | 3099 | 3104 | rBV | 4213411 | 5492757 | 90.61% | 14.858% |
| 22 | 21.621 | 3164 | 3168 | 3173 | rBV | 1031635 | 1217740 | 20.09% | 3.294% |
| 23 | 21.686 | 3176 | 3179 | 3185 | rVV | 786803 | 987046 | 16.28% | 2.670% |
| 24 | 21.992 | 3228 | 3231 | 3236 | rVB2 | 598895 | 782751 | 12.91% | 2.117% |
| 25 | 22.686 | 3345 | 3349 | 3356 | rVB3 | 1524476 | 2242284 | 36.99% | 6.065% |
| 26 | 23.415 | 3467 | 3473 | 3482 | rVB | 3256295 | 6061863 | 100.00% | 16.398% |

Sum of corrected areas: 36967974

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023377.D
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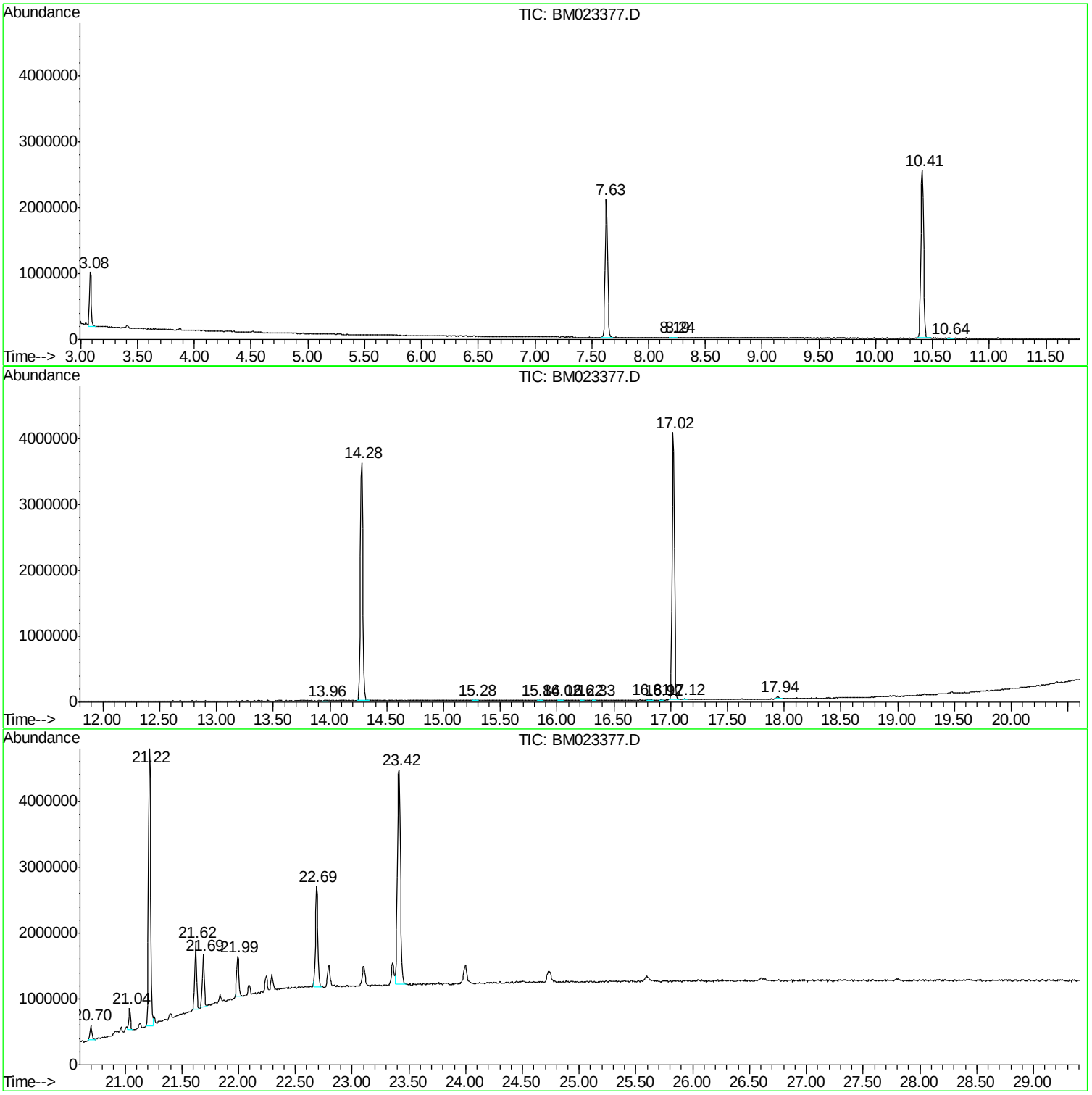
Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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\BM102319\
Data File : BM023377.D
Acq On : 24 Oct 2019 13:45
Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

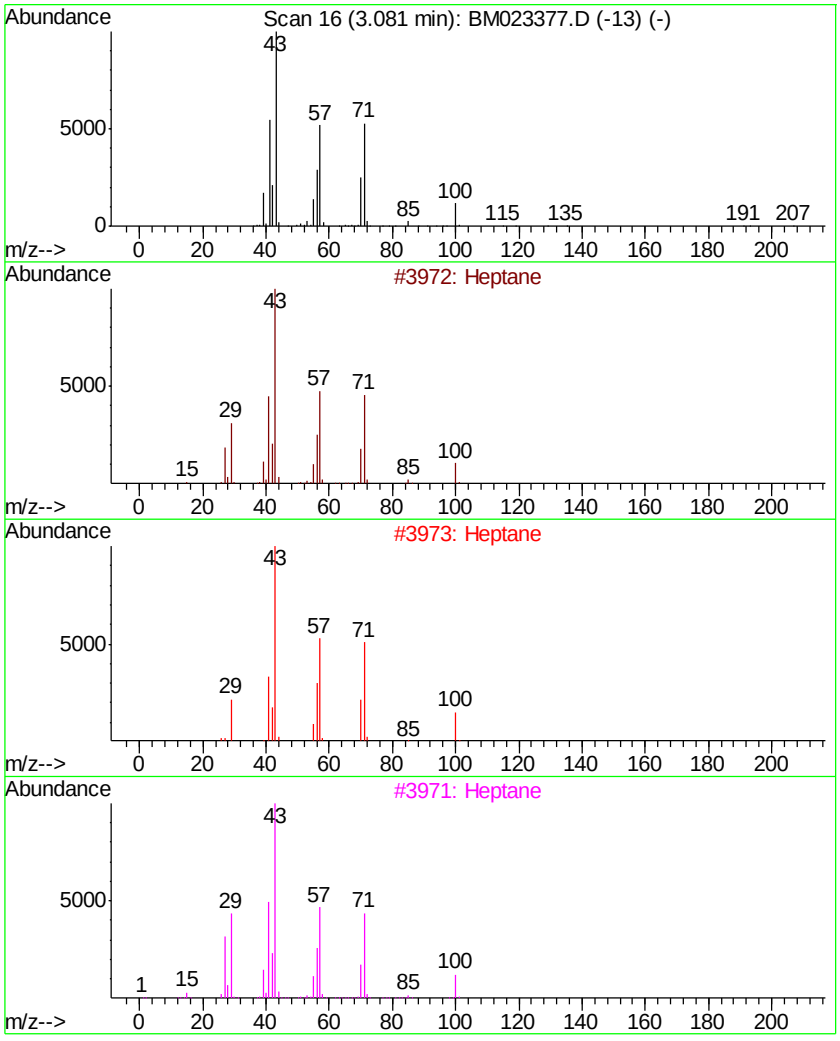
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

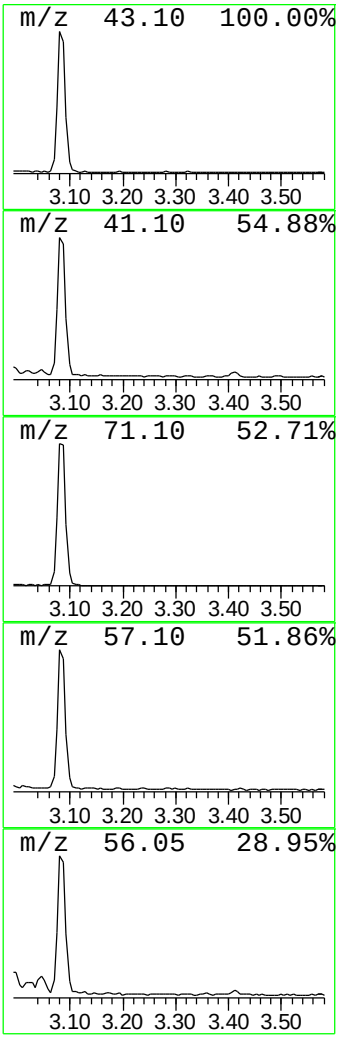
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.08 | 5.45 ng/ul | 878173 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 94 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 90 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 87 |
| 5 | Tridecane, 4-methyl- | 198 | C14H30 | 026730-12-1 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023377.D
Acq On : 24 Oct 2019 13:45
Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

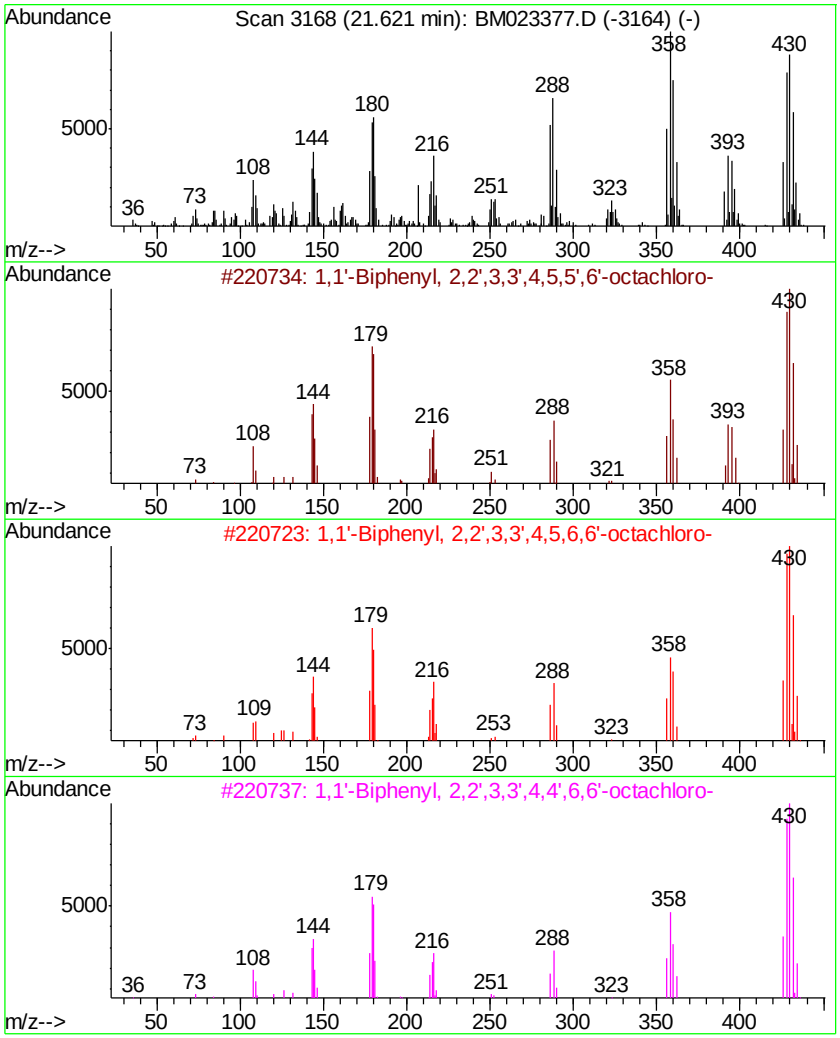
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

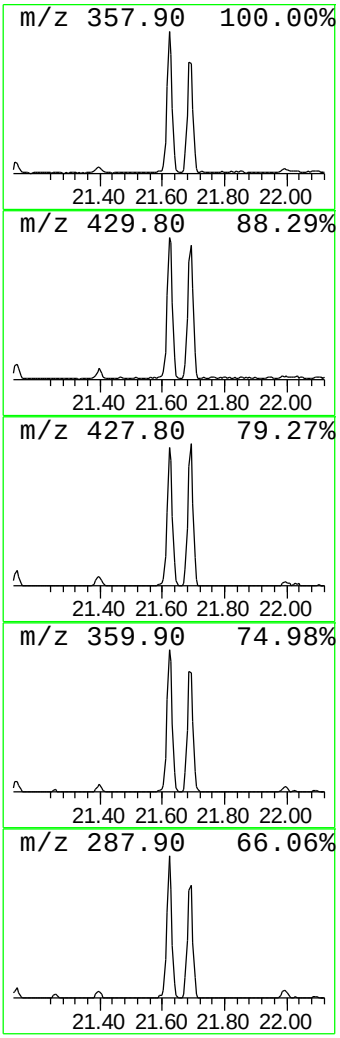
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.62 | 4.43 ng/ul | 1217740 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 426 | C12H2Cl8 | 052663-75-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5,6,6... | 426 | C12H2Cl8 | 052663-73-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',6,... | 426 | C12H2Cl8 | 033091-17-7 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 426 | C12H2Cl8 | 068194-17-2 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 426 | C12H2Cl8 | 052663-78-2 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023377.D
Acq On : 24 Oct 2019 13:45
Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

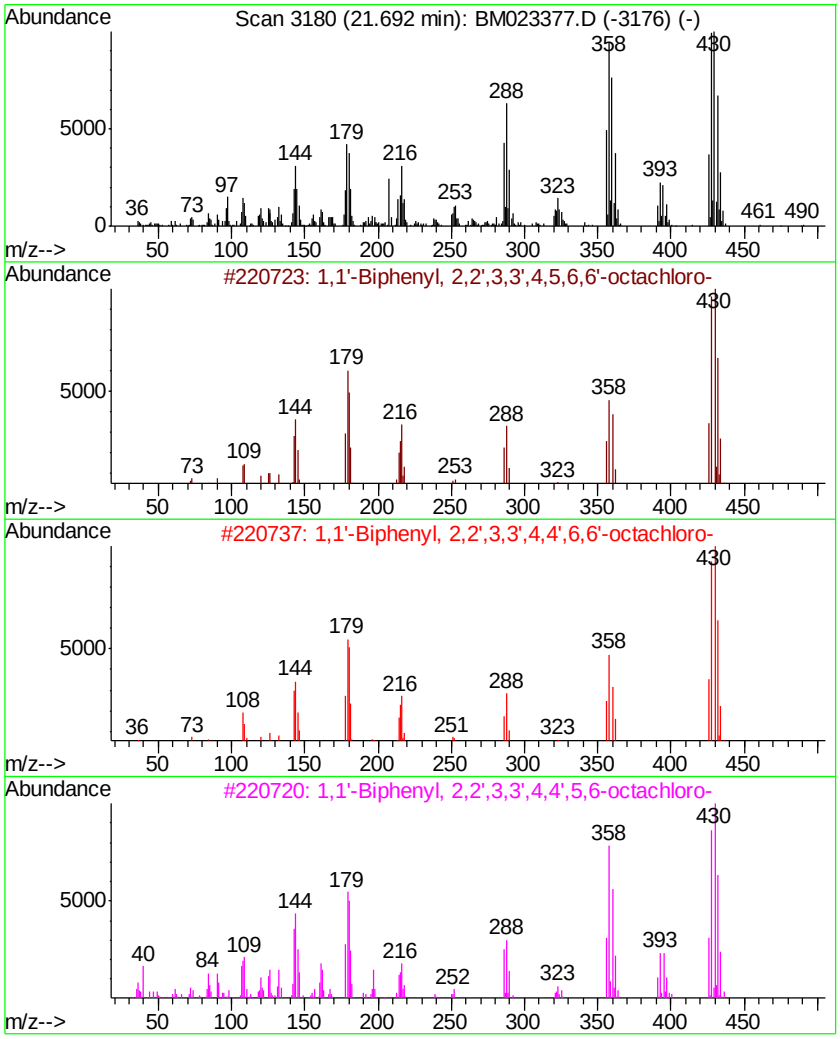
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

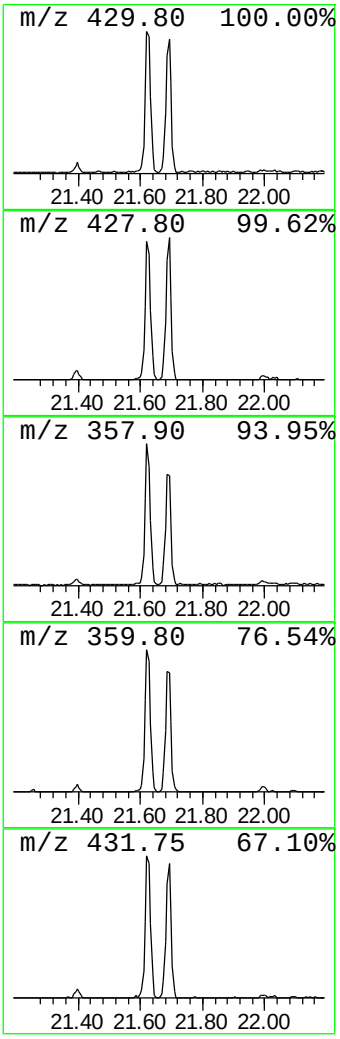
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.69 | 3.59 ng/ul | 987046 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,5,6,6... | 426 | C12H2Cl8 | 052663-73-7 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,4',6,... | 426 | C12H2Cl8 | 033091-17-7 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 426 | C12H2Cl8 | 052663-78-2 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,4,4',5,6,6... | 426 | C12H2Cl8 | 074472-52-9 | 99 |
| 5 | 2,3,3',4,4',5,5',6-Octachloro-1,... | 426 | C12H2Cl8 | 074472-53-0 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
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Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

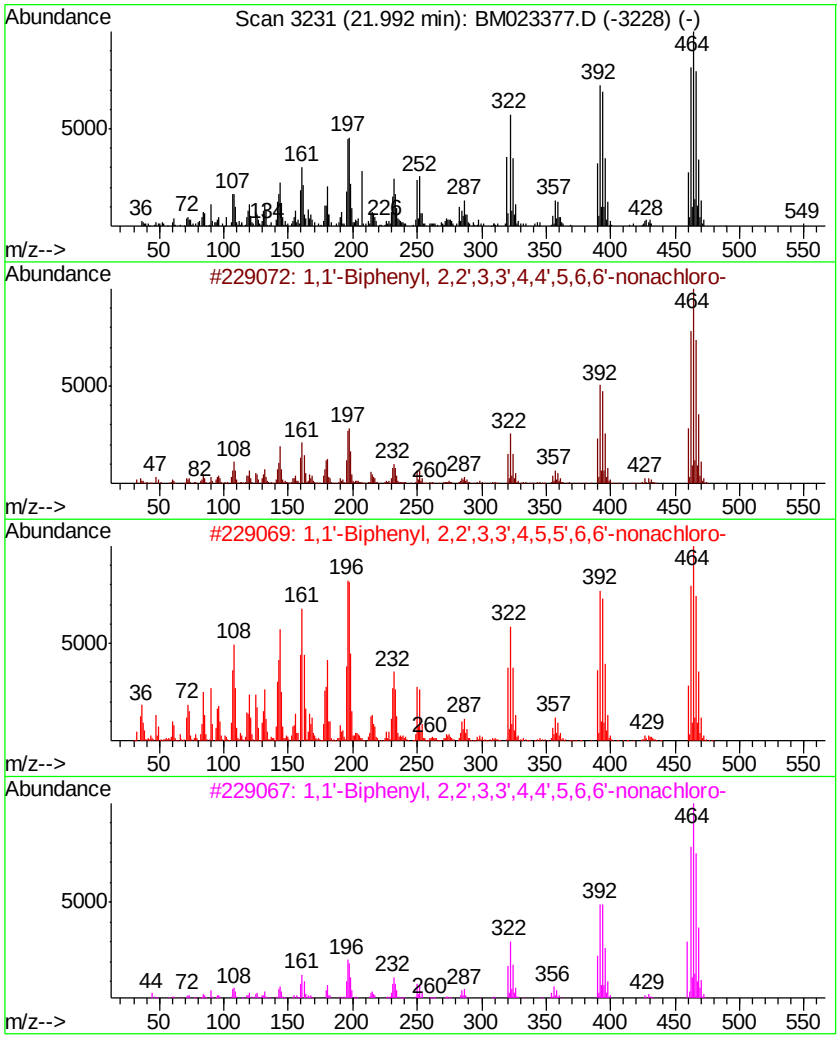
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

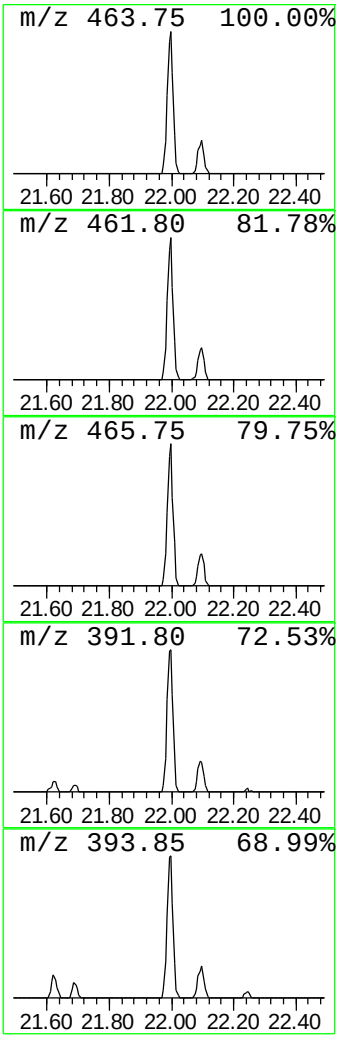
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.99 | 2.85 ng/ul | 782751 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 052663-79-3 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 460 | C12HCl9 | 052663-77-1 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 052663-79-3 | 96 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 460 | C12HCl9 | 052663-77-1 | 94 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 040186-72-9 | 94 |



Library Search Compound Report

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Acq On : 24 Oct 2019 13:45
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Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

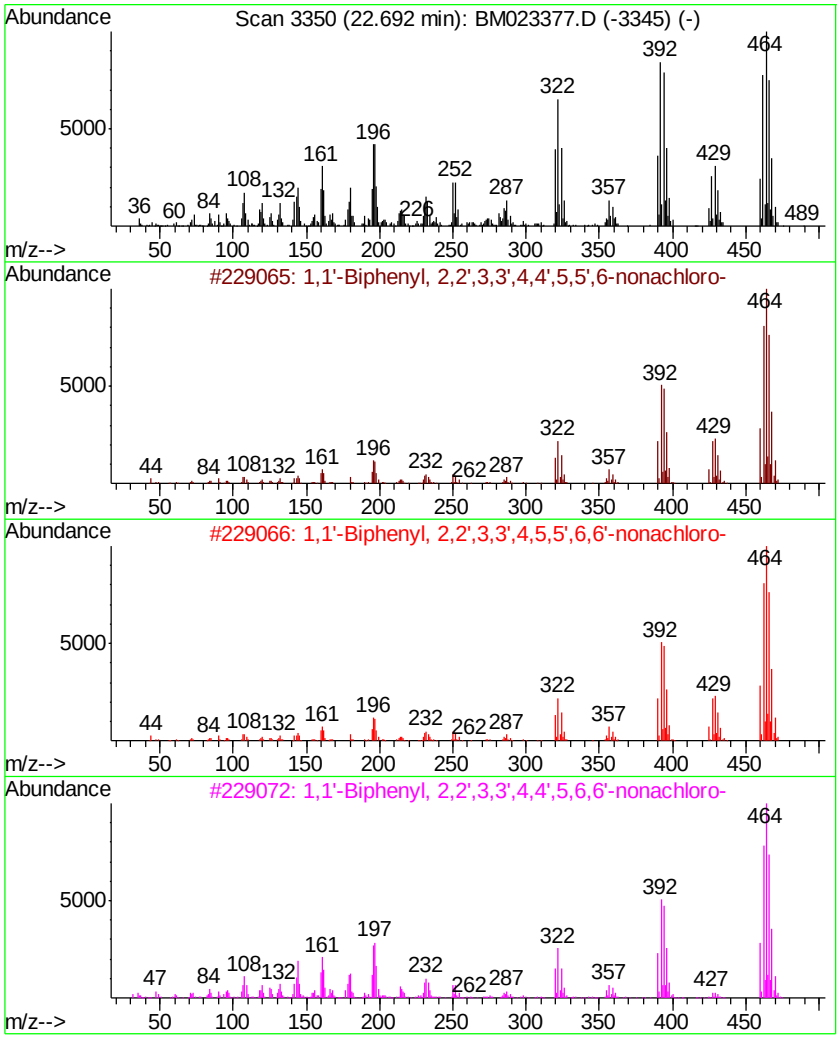
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

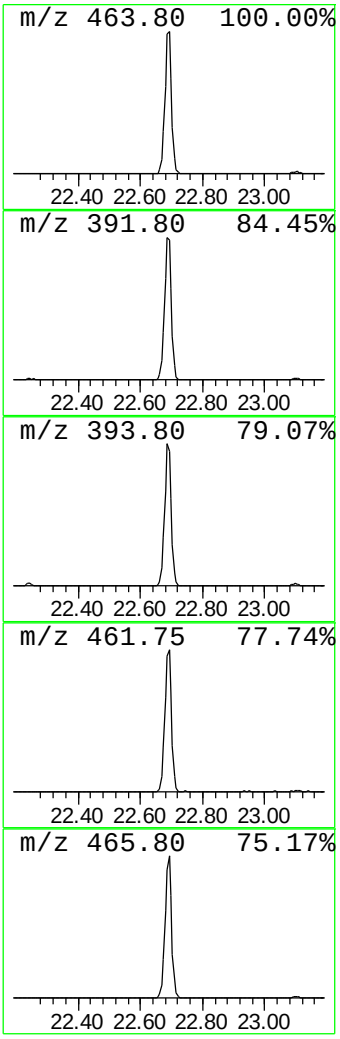
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.69 | 7.40 ng/ul | 2242280 | Perylene-d12 | 23.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 040186-72-9 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',3,3',4,5,5',... | 460 | C12HCl9 | 052663-77-1 | 99 |
| 3 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 052663-79-3 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 052663-79-3 | 99 |
| 5 | 1,1'-Biphenyl, 2,2',3,3',4,4',5,... | 460 | C12HCl9 | 040186-72-9 | 95 |



Tentatively Identified Compound (LSC) summary

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Data File : BM023377.D
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Operator : JU
Sample : AR1268
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** AR1268

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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... | 3.08 | 5.5 | ng/ul | 878173 | 1 | 7.63 | 3224440 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.62 | 4.4 | ng/ul | 1217740 | 5 | 21.22 | 5492760 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.69 | 3.6 | ng/ul | 987046 | 5 | 21.22 | 5492760 | 20.0 |
| 1,1'-Biphenyl, 2,... | 21.99 | 2.9 | ng/ul | 782751 | 5 | 21.22 | 5492760 | 20.0 |
| 1,1'-Biphenyl, 2,... | 22.69 | 7.4 | ng/ul | 2242280 | 6 | 23.42 | 6061860 | 20.0 |