LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.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 | 2.993 | 46 | 52 | 65 | rBV | 1026637 | 1487832 | 2.49% | 0.645% |
| 2 | 5.293 | 417 | 443 | 447 | rBV | 8422067 | 59672052 | 100.00% | 25.881% |
| 3 | 7.775 | 851 | 865 | 875 | rBV2 | 6100518 | 23082760 | 38.68% | 10.012% |
| 4 | 7.969 | 875 | 898 | 902 | rBV | 7057252 | 38421766 | 64.39% | 16.665% |
| 5 | 8.298 | 931 | 954 | 959 | rBV | 6925056 | 40641772 | 68.11% | 17.628% |
| 6 | 9.345 | 1124 | 1132 | 1141 | rBV | 1430325 | 2477471 | 4.15% | 1.075% |
| 7 | 9.569 | 1163 | 1170 | 1174 | rBV | 410076 | 704131 | 1.18% | 0.305% |
| 8 | 9.616 | 1174 | 1178 | 1180 | rVV | 373046 | 629463 | 1.05% | 0.273% |
| 9 | 9.657 | 1180 | 1185 | 1191 | rVV | 810458 | 1534688 | 2.57% | 0.666% |
| 10 | 10.287 | 1279 | 1292 | 1296 | rBV2 | 392762 | 1290654 | 2.16% | 0.560% |
| 11 | 10.545 | 1322 | 1336 | 1337 | rBV2 | 6115077 | 20265261 | 33.96% | 8.790% |
| 12 | 11.063 | 1411 | 1424 | 1430 | rBV3 | 6065578 | 20113298 | 33.71% | 8.724% |
| 13 | 12.633 | 1682 | 1691 | 1693 | rBV | 352200 | 612618 | 1.03% | 0.266% |
| 14 | 12.669 | 1693 | 1697 | 1704 | rVB | 1033605 | 1614231 | 2.71% | 0.700% |
| 15 | 13.280 | 1793 | 1801 | 1812 | rVB | 3681695 | 6494423 | 10.88% | 2.817% |
| 16 | 13.886 | 1894 | 1904 | 1909 | rBV | 619590 | 1083885 | 1.82% | 0.470% |
| 17 | 14.169 | 1946 | 1952 | 1959 | rBV | 712729 | 1052682 | 1.76% | 0.457% |
| 18 | 14.480 | 1998 | 2005 | 2013 | rBV2 | 394438 | 697125 | 1.17% | 0.302% |
| 19 | 15.469 | 2166 | 2173 | 2186 | rVB | 880246 | 1340649 | 2.25% | 0.581% |
| 20 | 17.221 | 2465 | 2471 | 2476 | rBV | 470964 | 677523 | 1.14% | 0.294% |
| 21 | 17.321 | 2481 | 2488 | 2498 | rBV | 957277 | 1386191 | 2.32% | 0.601% |
| 22 | 19.609 | 2871 | 2877 | 2888 | rBV | 1203140 | 1686513 | 2.83% | 0.731% |
| 23 | 21.403 | 3176 | 3182 | 3188 | rBV | 682569 | 899140 | 1.51% | 0.390% |
| 24 | 23.556 | 3540 | 3548 | 3560 | rBV | 926283 | 1816193 | 3.04% | 0.788% |
| 25 | 23.703 | 3566 | 3573 | 3584 | rVB2 | 443880 | 876565 | 1.47% | 0.380% |

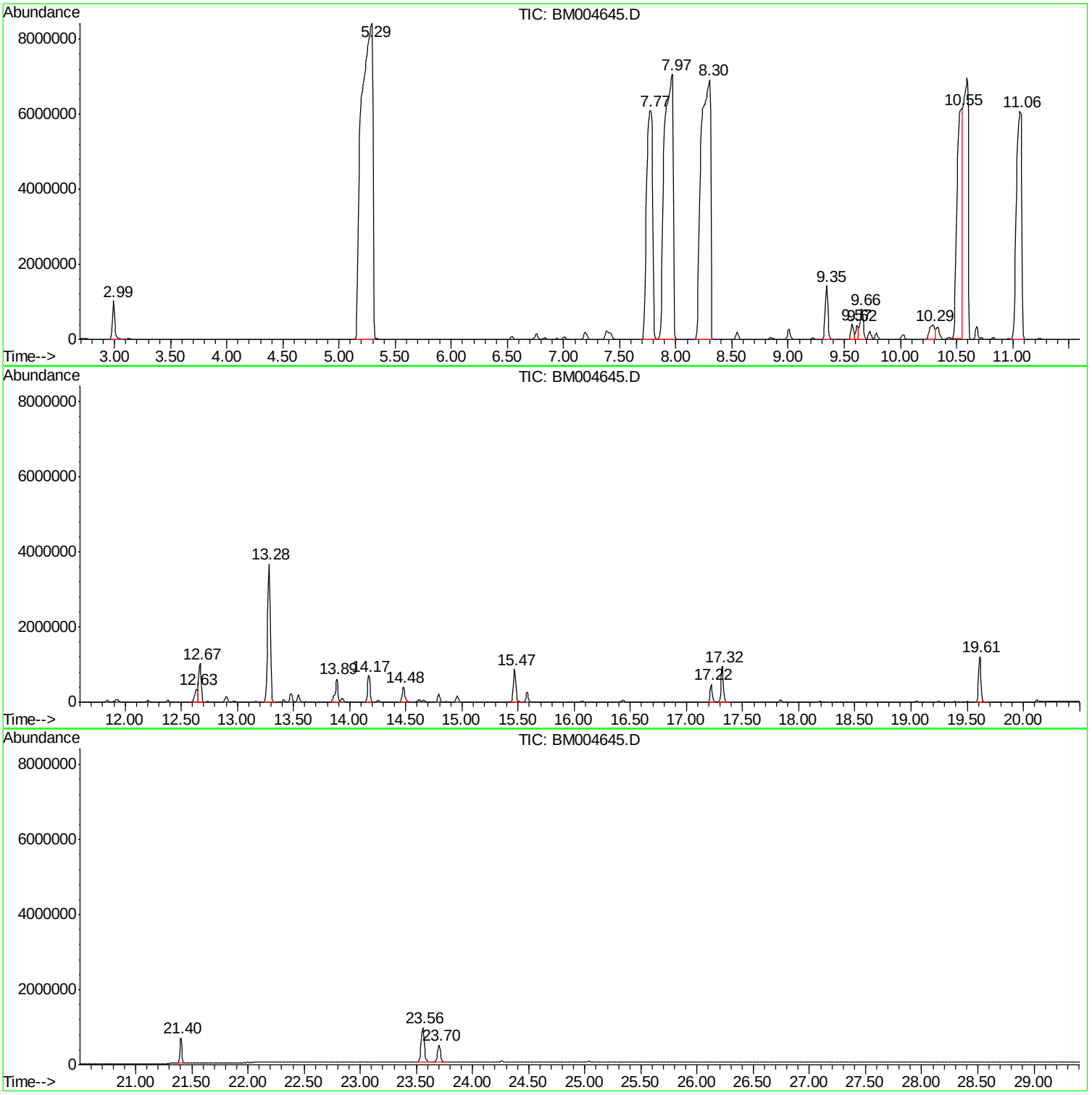
Sum of corrected areas: 230558886

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

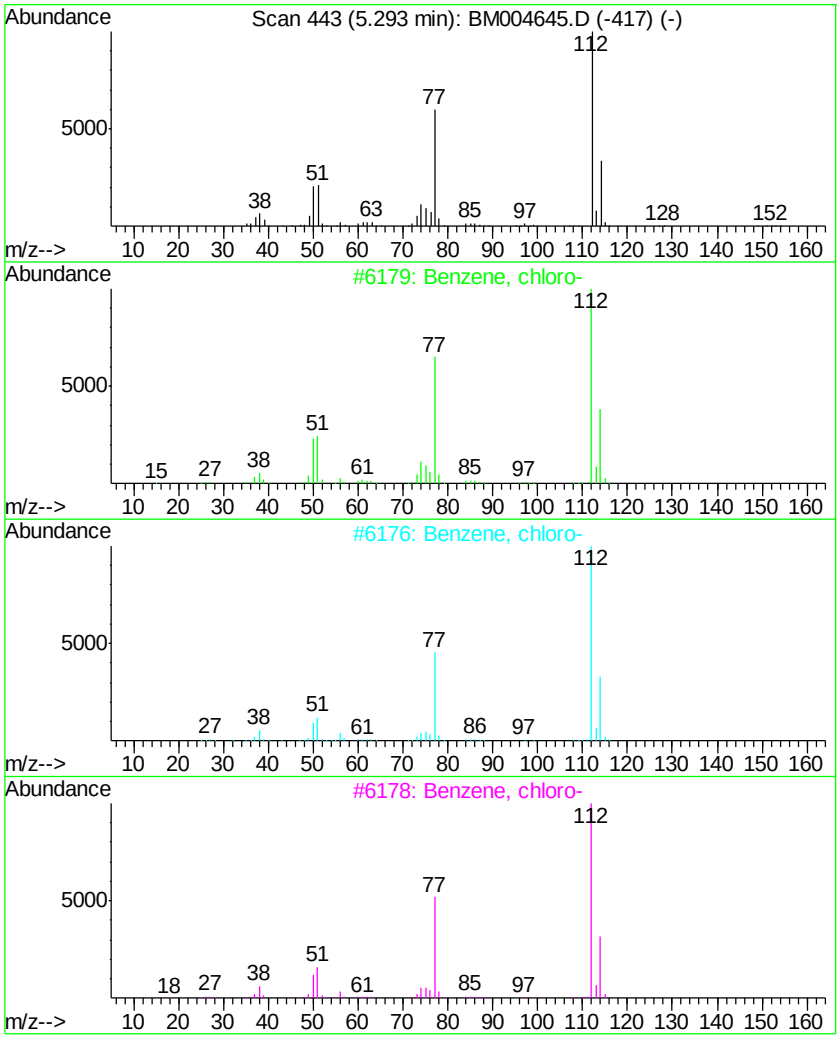
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

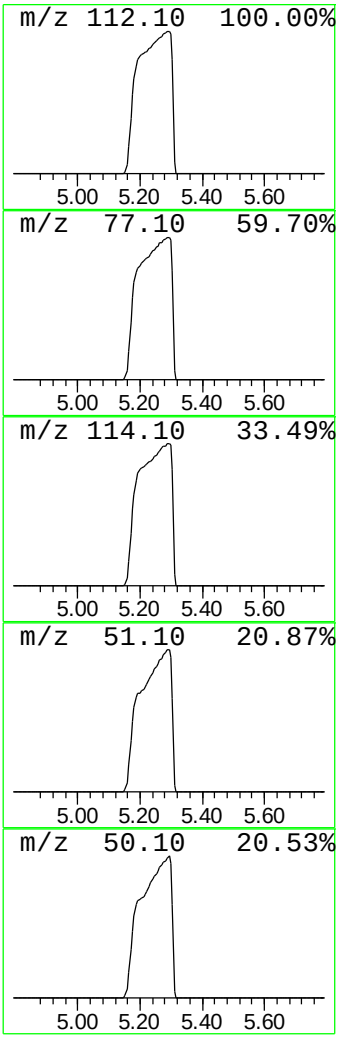
**********

Peak Number 1 Benzene, chloro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.29 | 51.70 ng/ul | 59672100 | 1,4-Dichlorobenzene-d4 | 7.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 96 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 94 |
| 3 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 91 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 90 |
| 5 | Phenol, 3-fluoro- | 112 | C6H5FO | 000372-20-3 | 27 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

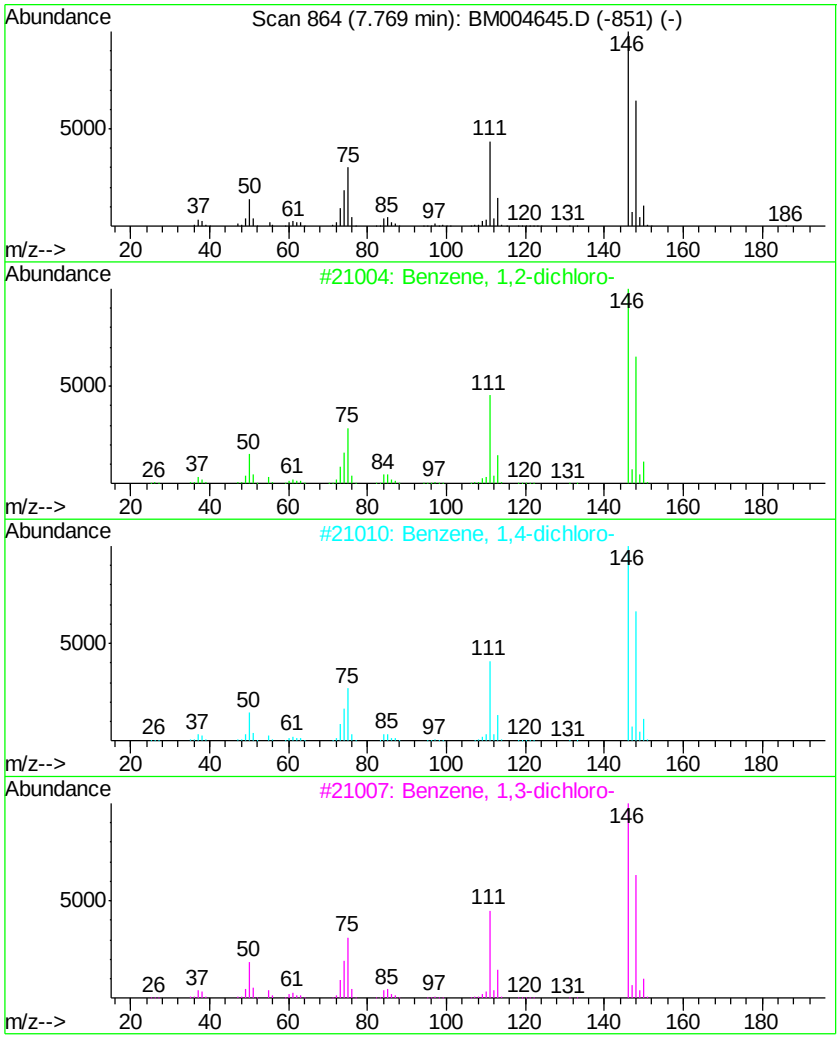
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

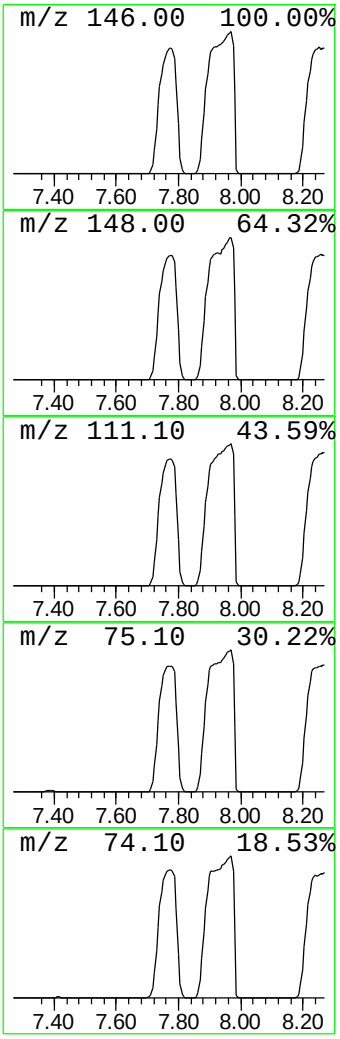
**********

Peak Number 2 Benzene, 1,2-dichloro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.77 | 20.00 ng/ul | 23082800 | 1,4-Dichlorobenzene-d4 | 7.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 98 |
| 4 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 97 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

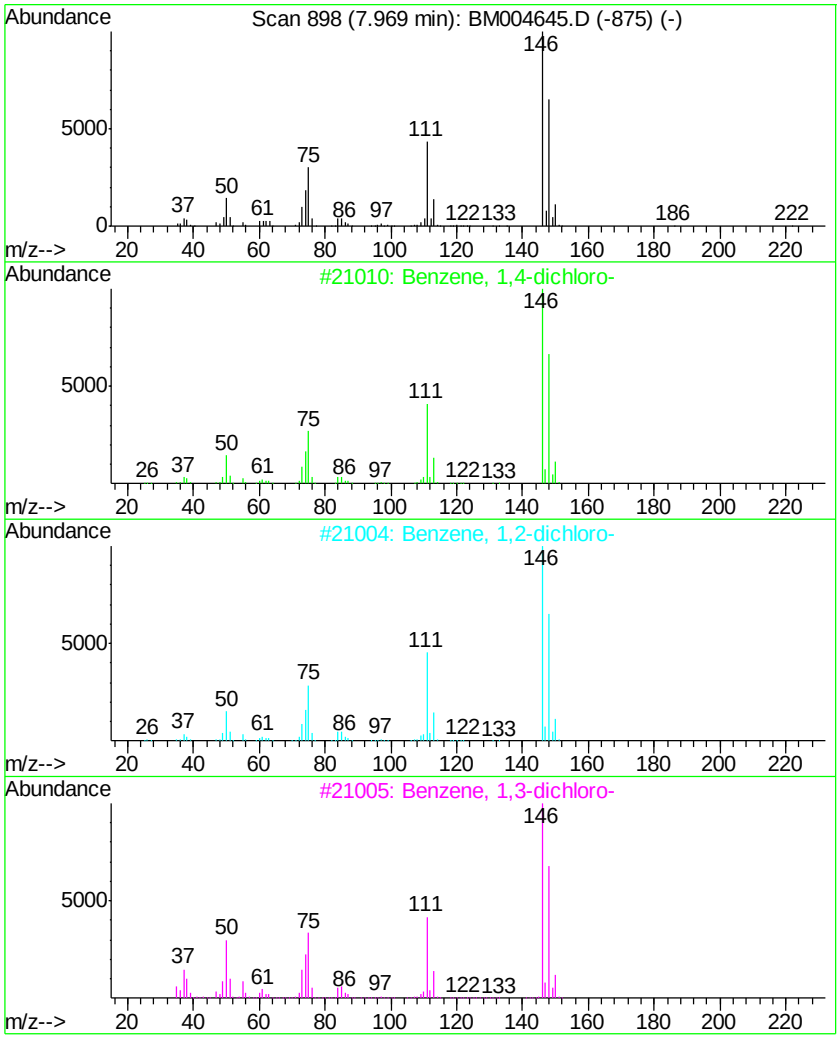
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

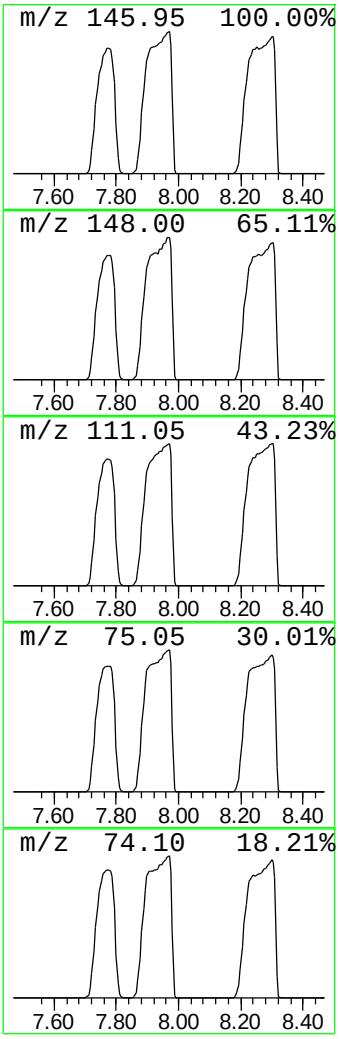
**********

Peak Number 3 Benzene, 1,4-dichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.97 | 33.29 ng/ul | 38421800 | 1,4-Dichlorobenzene-d4 | 7.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 2 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 5 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 97 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

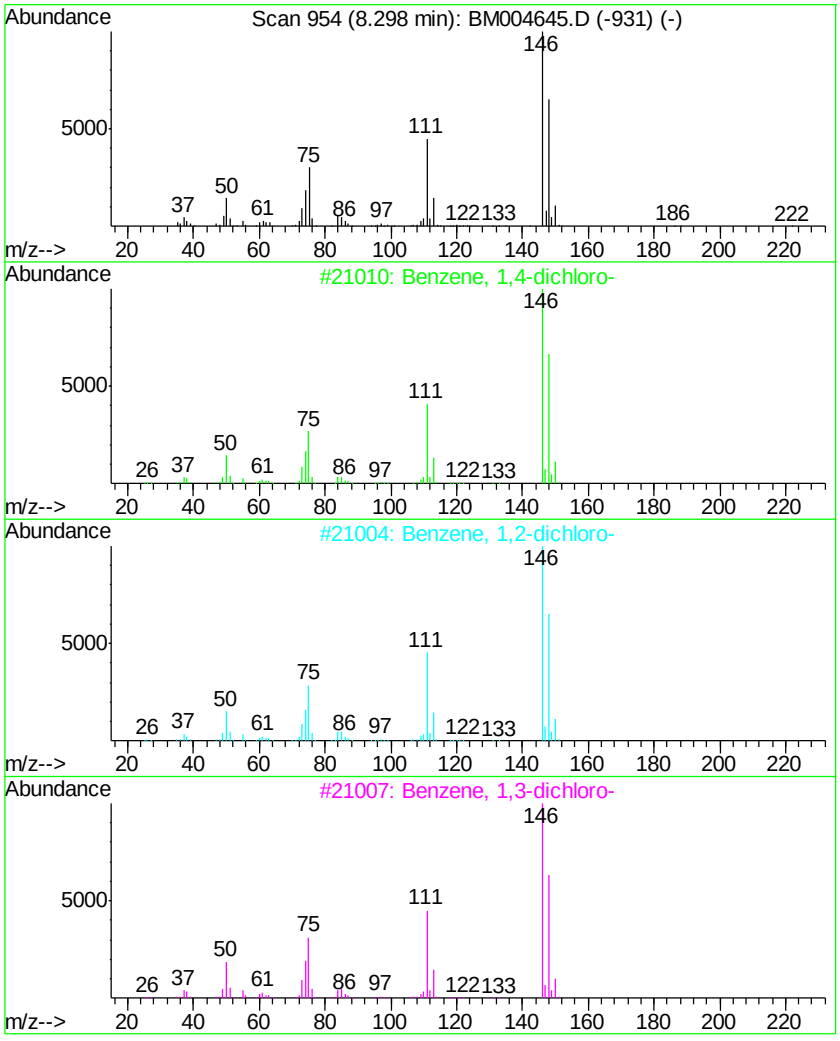
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

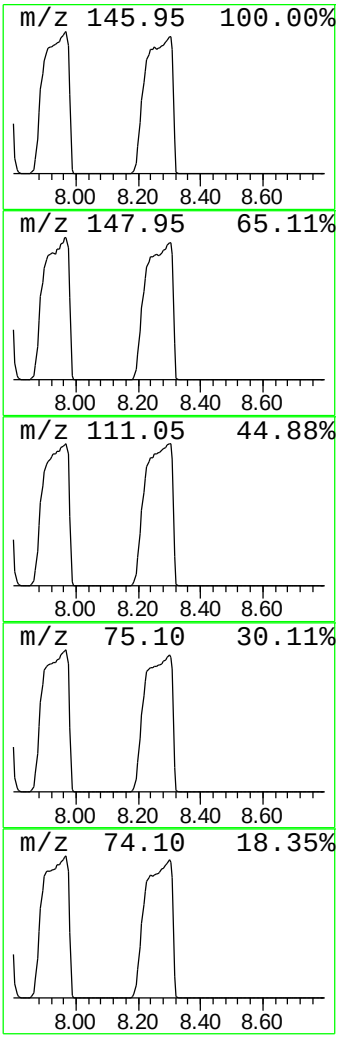
**********

Peak Number 4 Benzene, 1,3-dichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.30 | 35.21 ng/ul | 40641800 | 1,4-Dichlorobenzene-d4 | 7.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 2 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 98 |
| 4 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 96 |
| 5 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 96 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

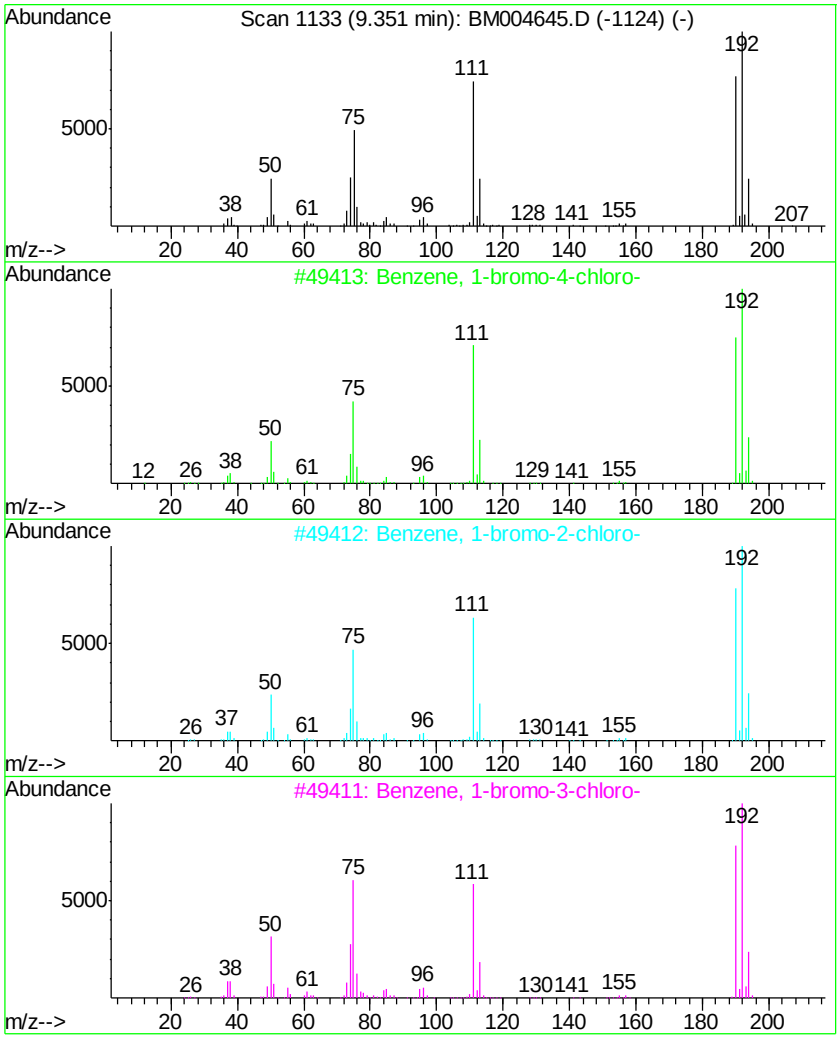
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

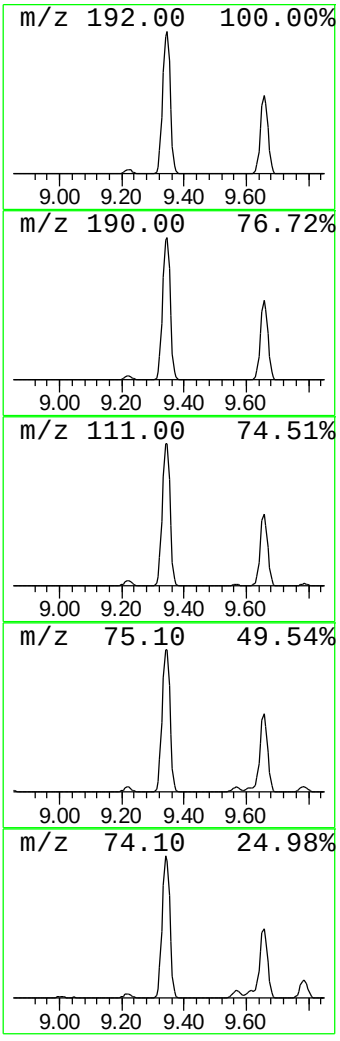
**********

Peak Number 5 Benzene, 1-bromo-4-chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.35 | 2.45 ng/ul | 2477470 | Naphthalene-d8 | 10.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98 |
| 2 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 3 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 97 |
| 4 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 96 |
| 5 | 4-Chlorophenylselenol | 192 | C6H5ClSe | 016645-10-6 | 96 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

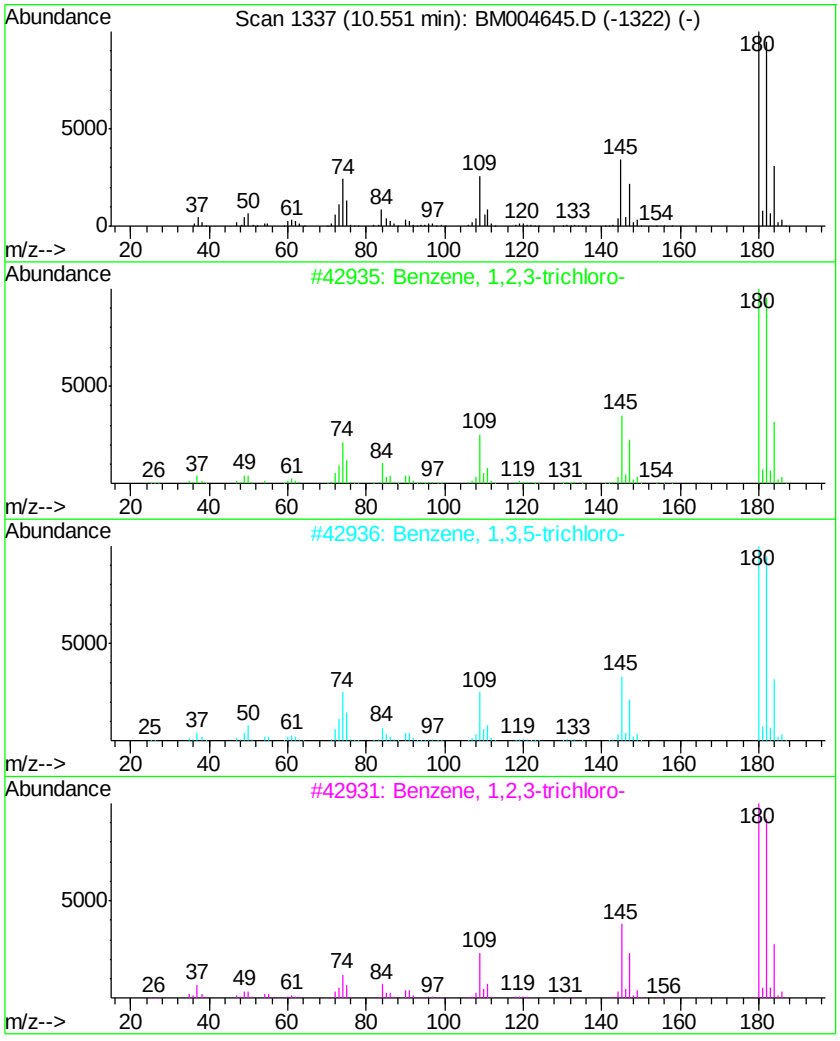
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

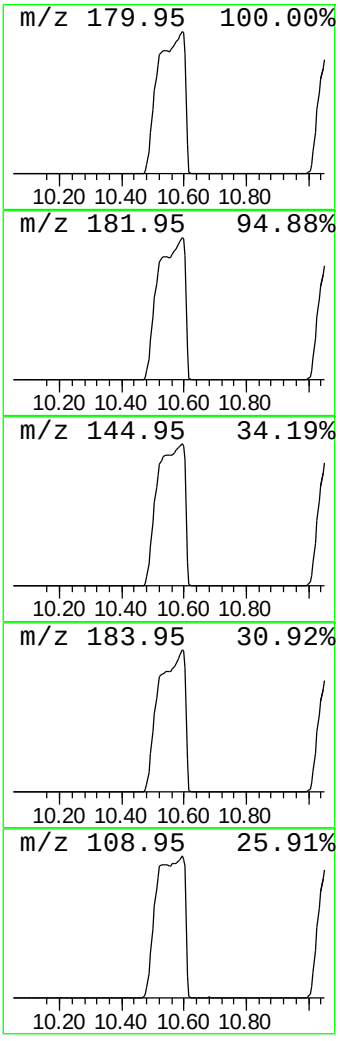
**********

Peak Number 6 Benzene, 1,2,3-trichloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.55 | 20.00 ng/ul | 20265300 | Naphthalene-d8 | 10.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 99 |
| 2 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98 |
| 3 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 4 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 97 |
| 5 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 97 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

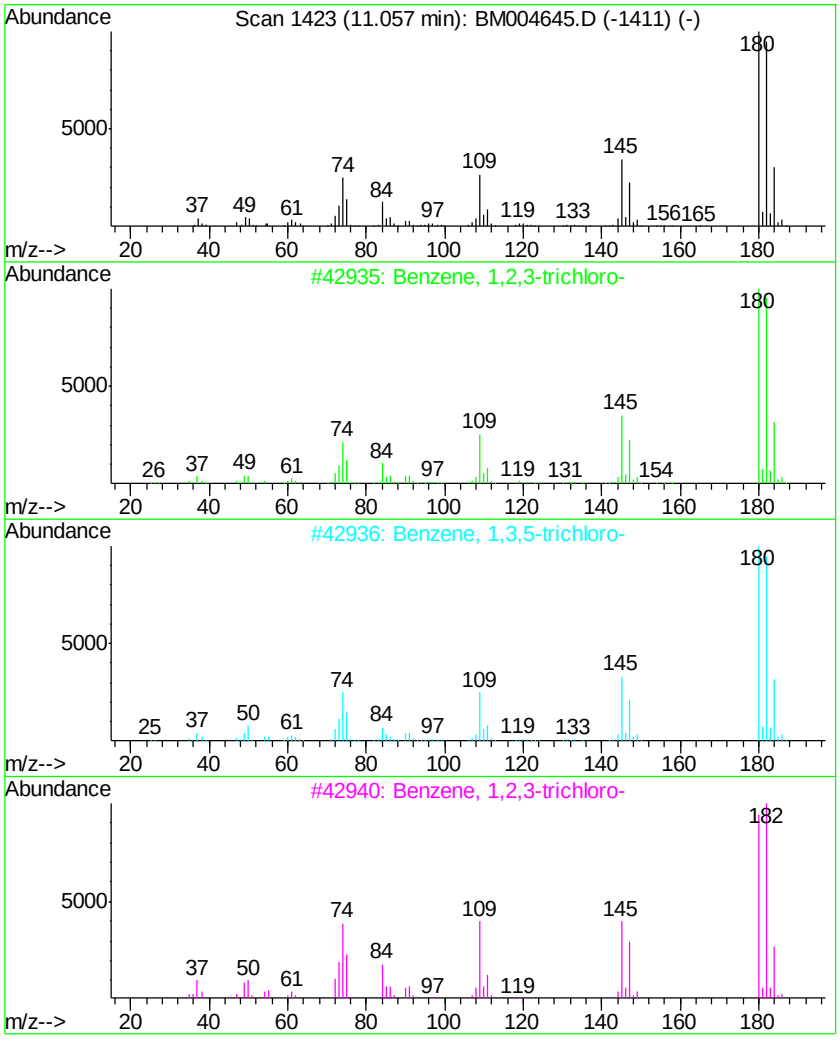
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

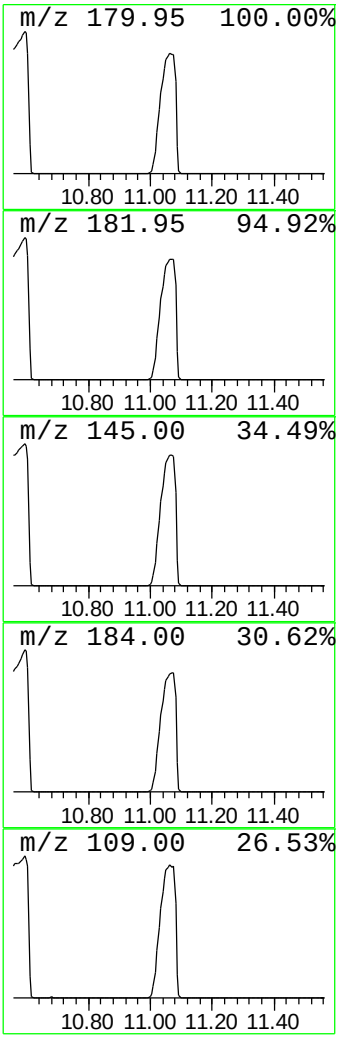
**********

Peak Number 7 Benzene, 1,3,5-trichloro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.06 | 19.85 ng/ul | 20113300 | Naphthalene-d8 | 10.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 99 |
| 2 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98 |
| 3 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 97 |
| 4 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 97 |
| 5 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 96 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004645.D
Acq On : 16 Mar 2016 21:07
Operator : UM/SJ
Sample : H1783-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, chloro- | 5.29 | 51.7 | ng/ul | 59672100 | 1 | 7.87 | 23082800 | 20.0 |
| Benzene, 1,2-dich... | 7.77 | 20.0 | ng/ul | 23082800 | 1 | 7.87 | 23082800 | 20.0 |
| Benzene, 1,4-dich... | 7.97 | 33.3 | ng/ul | 38421800 | 1 | 7.87 | 23082800 | 20.0 |
| Benzene, 1,3-dich... | 8.30 | 35.2 | ng/ul | 40641800 | 1 | 7.87 | 23082800 | 20.0 |
| Benzene, 1-bromo-... | 9.35 | 2.5 | ng/ul | 2477470 | 2 | 10.68 | 20265300 | 20.0 |
| Benzene, 1,2,3-tr... | 10.55 | 20.0 | ng/ul | 20265300 | 2 | 10.68 | 20265300 | 20.0 |
| Benzene, 1,3,5-tr... | 11.06 | 19.9 | ng/ul | 20113300 | 2 | 10.68 | 20265300 | 20.0 |