# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032819\
Data File : BM019550.D
Acq On : 28 Mar 2019 20:46
Operator : JU/SJ
Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C09C7

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-BM032219MA.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 | 5.069 | 323 | 354 | 359 | rBV7 | 54261941 | 497094338 | 100.00% | 38.359% |
| 2 | 6.281 | 554 | 560 | 574 | rVB | 466717 | 781216 | 0.16% | 0.060% |
| 3 | 6.969 | 668 | 677 | 691 | rBV | 275746 | 808694 | 0.16% | 0.062% |
| 4 | 7.128 | 698 | 704 | 718 | rVB | 388314 | 864569 | 0.17% | 0.067% |
| 5 | 7.510 | 754 | 769 | 780 | rBV2 | 41682776 | 160919129 | 32.37% | 12.418% |
| 6 | 7.704 | 780 | 802 | 803 | rBV5 | 50565635 | 244547254 | 49.20% | 18.871% |
| 7 | 8.022 | 836 | 856 | 857 | rBV4 | 50617332 | 228430670 | 45.95% | 17.627% |
| 8 | 8.310 | 899 | 905 | 919 | rVB | 366925 | 642708 | 0.13% | 0.050% |
| 9 | 8.763 | 976 | 982 | 995 | rBV | 629202 | 1040743 | 0.21% | 0.080% |
| 10 | 9.081 | 1029 | 1036 | 1045 | rBV | 335598 | 530264 | 0.11% | 0.041% |
| 11 | 9.475 | 1096 | 1103 | 1122 | rVB | 527912 | 986361 | 0.20% | 0.076% |
| 12 | 10.004 | 1186 | 1193 | 1208 | rBV | 706302 | 1307959 | 0.26% | 0.101% |
| 13 | 10.269 | 1224 | 1238 | 1242 | rBV2 | 45425134 | 107307279 | 21.59% | 8.281% |
| 14 | 10.381 | 1251 | 1257 | 1262 | rBV | 712723 | 1060154 | 0.21% | 0.082% |
| 15 | 10.757 | 1310 | 1321 | 1334 | rBV | 10492696 | 17353900 | 3.49% | 1.339% |
| 16 | 12.410 | 1591 | 1602 | 1614 | rBV | 1525757 | 2570696 | 0.52% | 0.198% |
| 17 | 13.027 | 1700 | 1707 | 1720 | rVB | 1219110 | 1917075 | 0.39% | 0.148% |
| 18 | 13.663 | 1809 | 1815 | 1822 | rBV | 1394937 | 1943605 | 0.39% | 0.150% |
| 19 | 13.933 | 1854 | 1861 | 1873 | rBV | 1756100 | 2455775 | 0.49% | 0.190% |
| 20 | 14.239 | 1907 | 1913 | 1922 | rBV2 | 870667 | 1367841 | 0.28% | 0.106% |
| 21 | 15.239 | 2077 | 2083 | 2101 | rBV | 2074332 | 2961977 | 0.60% | 0.229% |
| 22 | 15.386 | 2103 | 2108 | 2121 | rBV | 568712 | 908571 | 0.18% | 0.070% |
| 23 | 16.998 | 2376 | 2382 | 2393 | rBV2 | 1113494 | 1561900 | 0.31% | 0.121% |
| 24 | 17.098 | 2393 | 2399 | 2411 | rBV2 | 2140375 | 3116497 | 0.63% | 0.240% |
| 25 | 19.409 | 2786 | 2792 | 2804 | rBV | 2731637 | 3710772 | 0.75% | 0.286% |
| 26 | 21.209 | 3093 | 3098 | 3106 | rBV | 1608995 | 2079632 | 0.42% | 0.160% |
| 27 | 23.274 | 3442 | 3449 | 3458 | rBV2 | 2912087 | 5076636 | 1.02% | 0.392% |
| 28 | 23.415 | 3466 | 3473 | 3487 | rVB | 1364429 | 2556632 | 0.51% | 0.197% |

Sum of corrected areas: 1295902847

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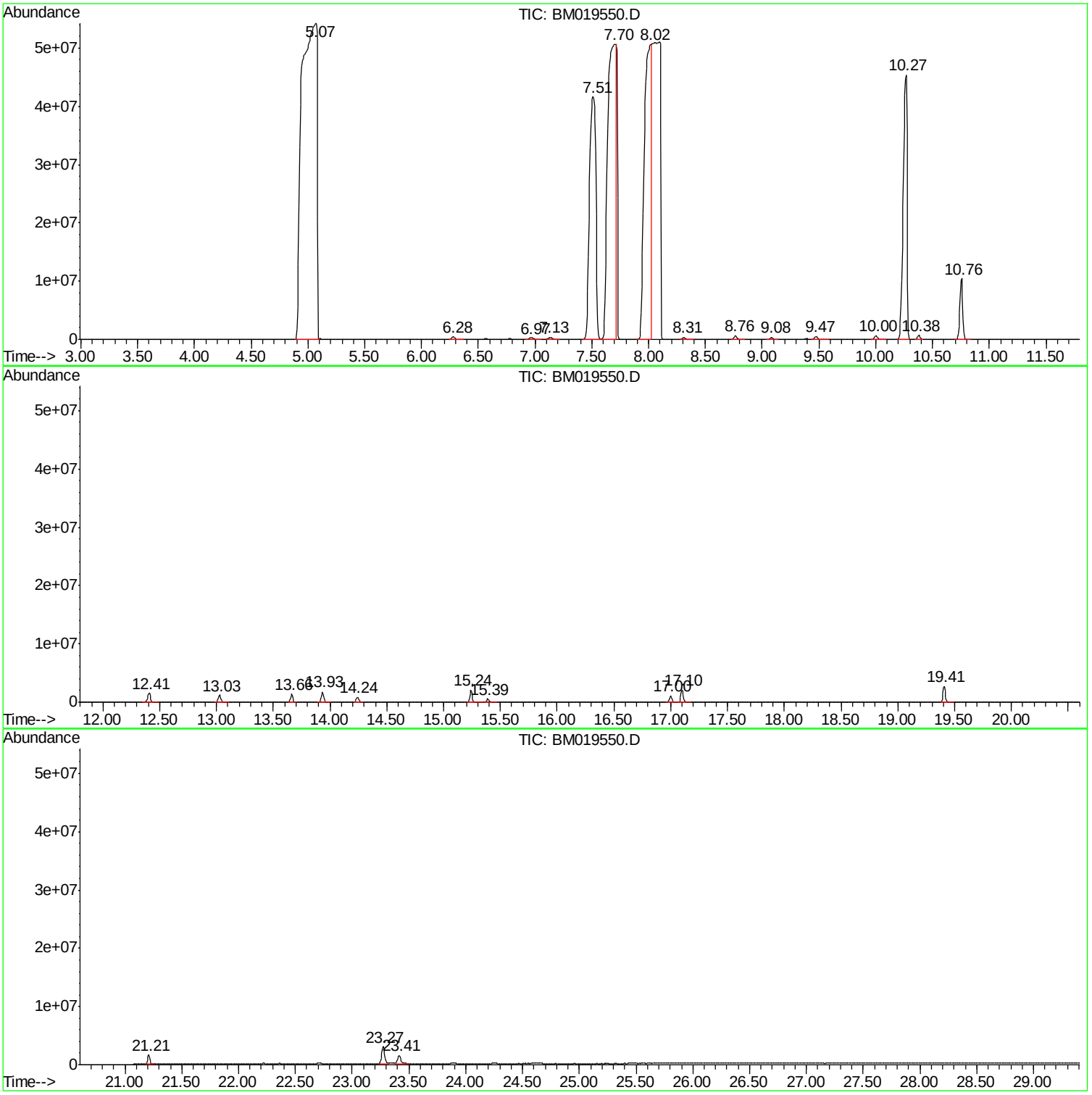
Data File : BM019550.D
Acq On : 28 Mar 2019 20:46
Operator : JU/SJ
Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

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Misc :
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**Instrument :** BNA_M
**ClientSampleId :** C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

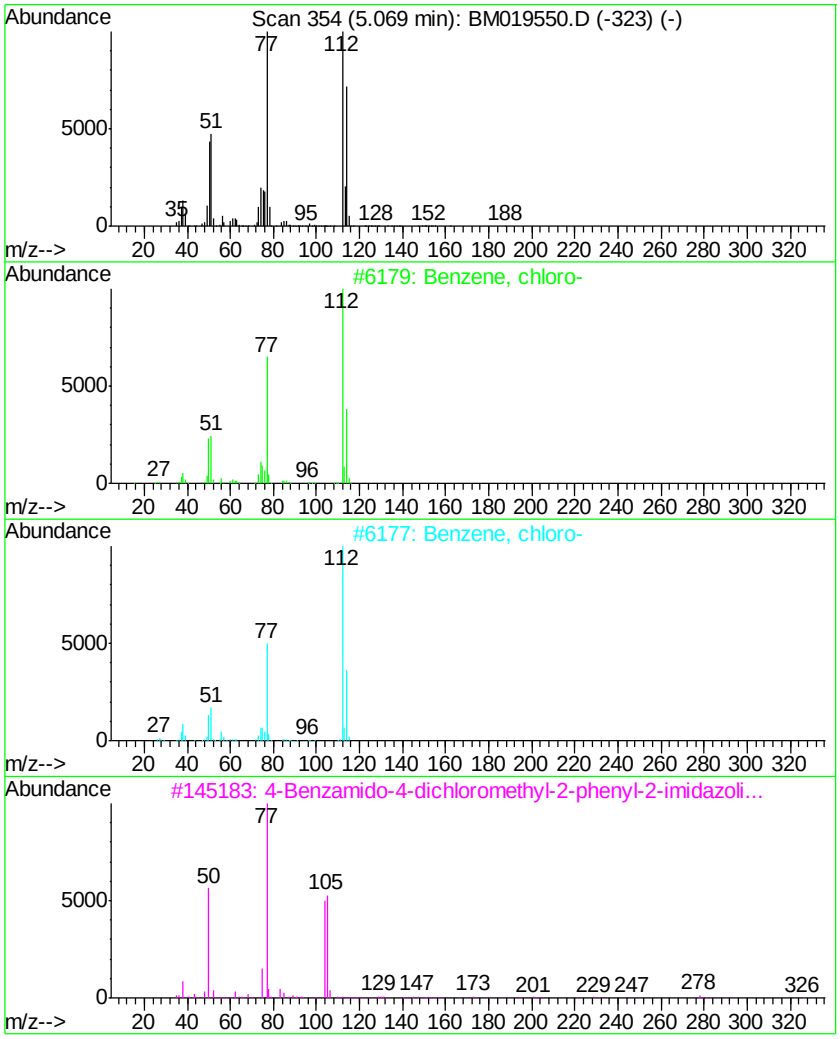
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

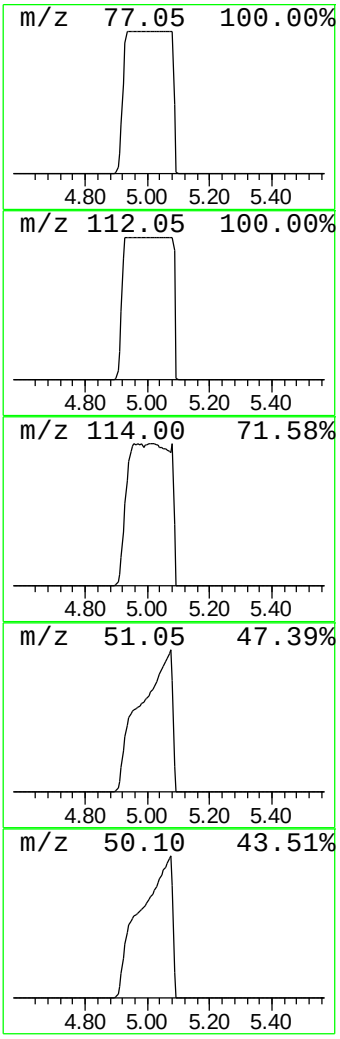
**********

Peak Number 1 Benzene, chloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 40.65 ng/ul | 497094000 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 93 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 64 |
| 3 | 4-Benzamido-4-dichloromethyl-2-p... | 361 | C17H13Cl2N3O2 | 076543-29-8 | 16 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 16 |
| 5 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 12 |



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Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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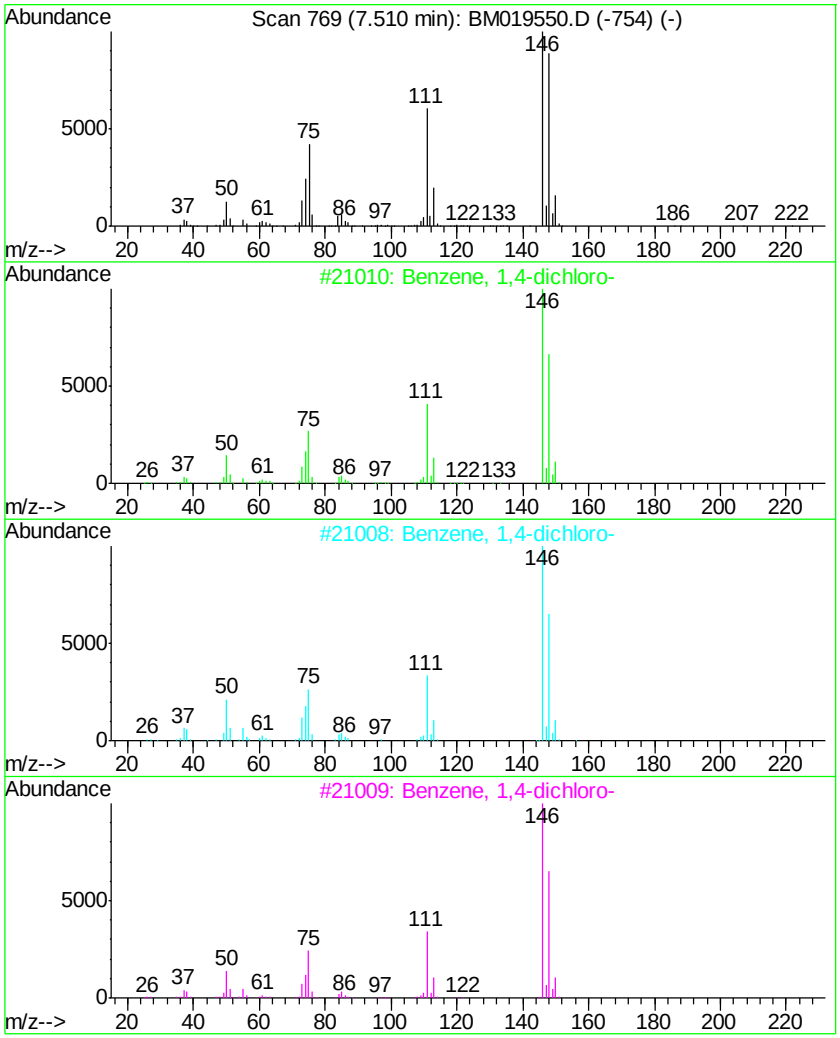
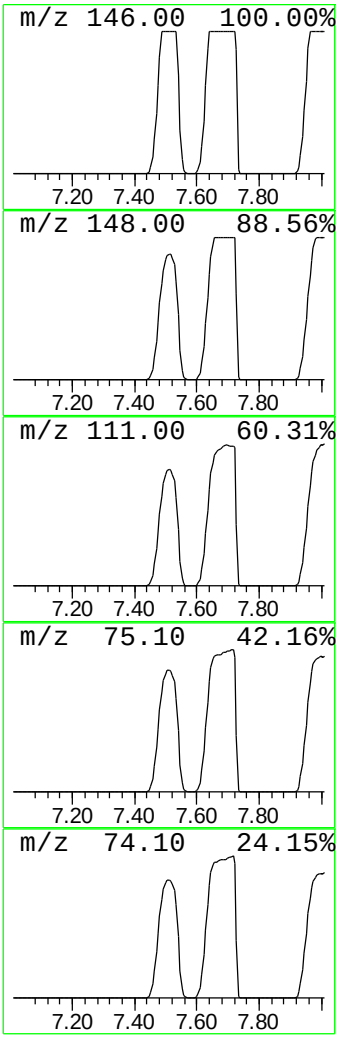
Peak Number 2 Benzene, 1,4-dichloro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.51 | 13.16 ng/ul | 160919000 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 94 |
| 3 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 94 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 93 |
| 5 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 93 |



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Acq On : 28 Mar 2019 20:46
Operator : JU/SJ
Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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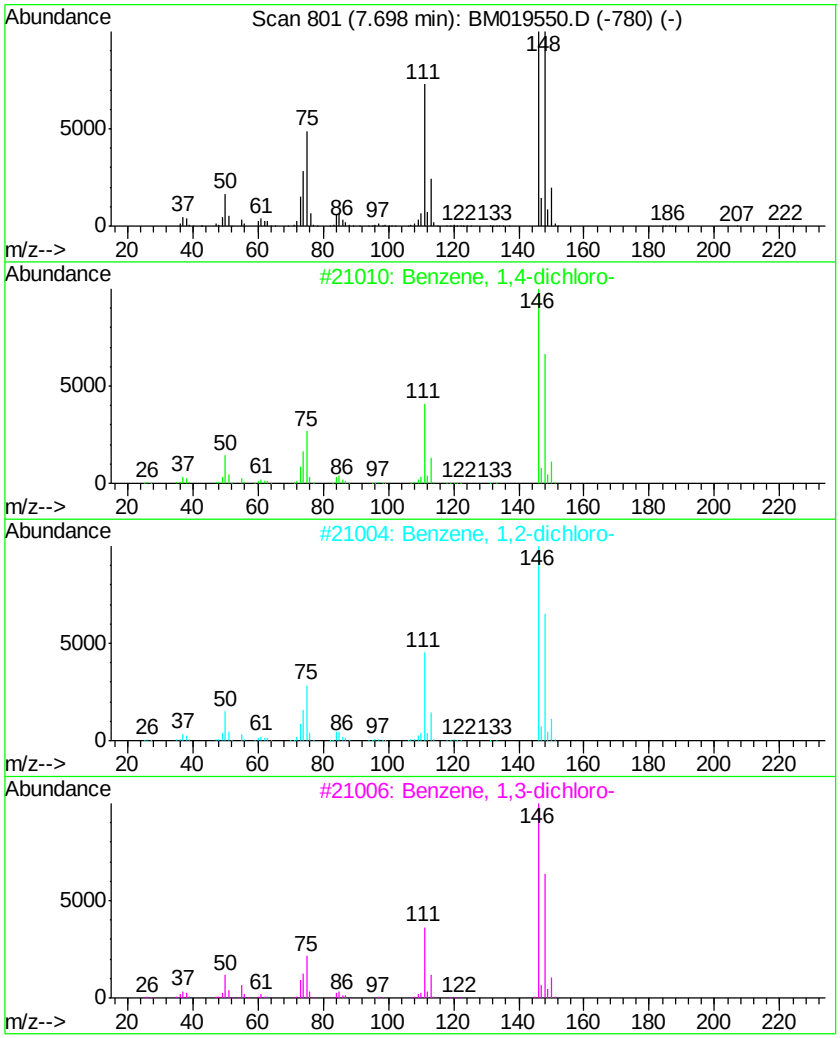
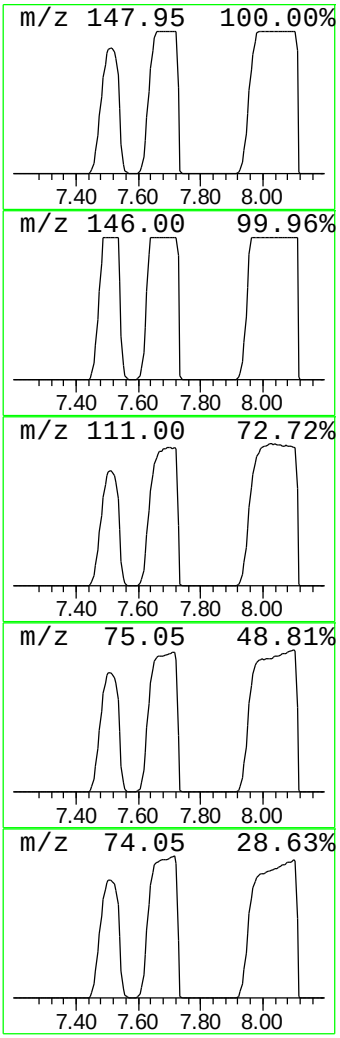
Peak Number 3 Benzene, 1,2-dichloro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.70 | 20.00 ng/ul | 244547000 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 91 |
| 2 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 81 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 81 |
| 4 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81 |



# Library Search Compound Report

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Acq On : 28 Mar 2019 20:46
Operator : JU/SJ
Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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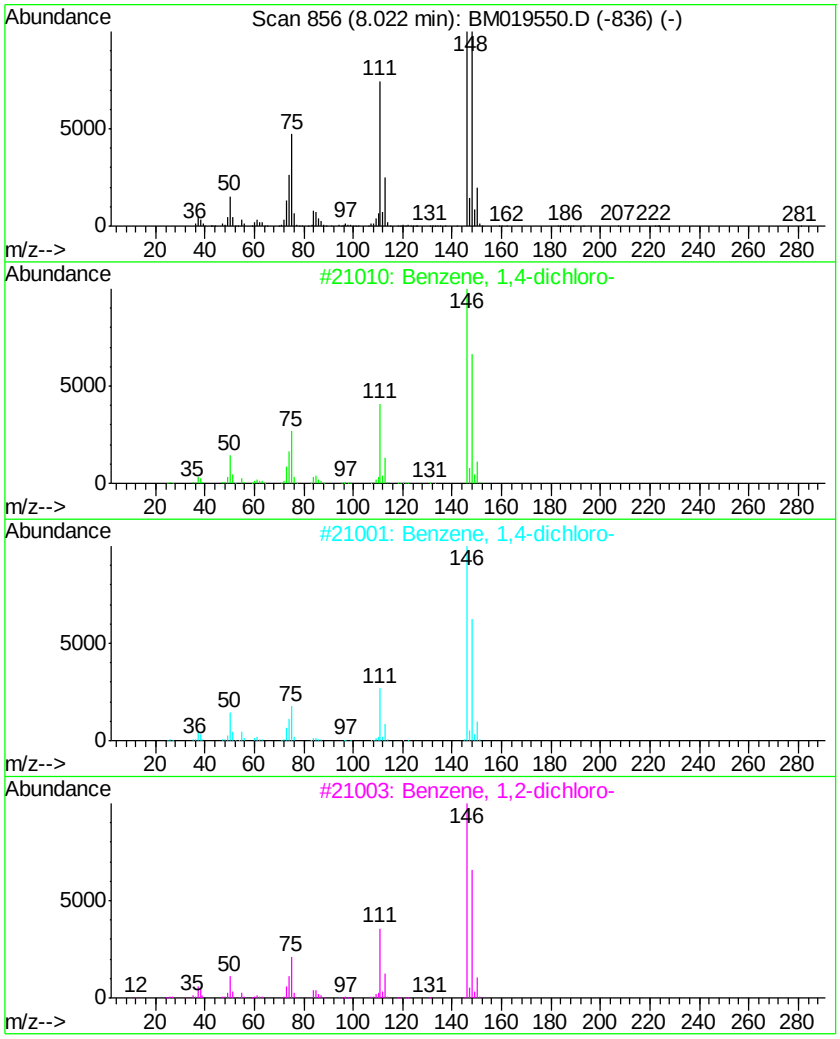
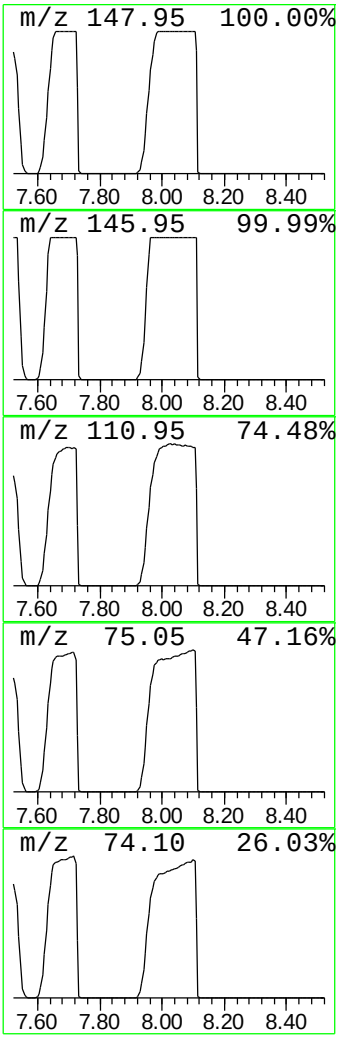
Peak Number 4 Benzene, 1,3-dichloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.02 | 18.68 ng/ul | 228431000 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 91 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81 |
| 3 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 81 |
| 4 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81 |
| 5 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 81 |



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Data File : BM019550.D
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Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

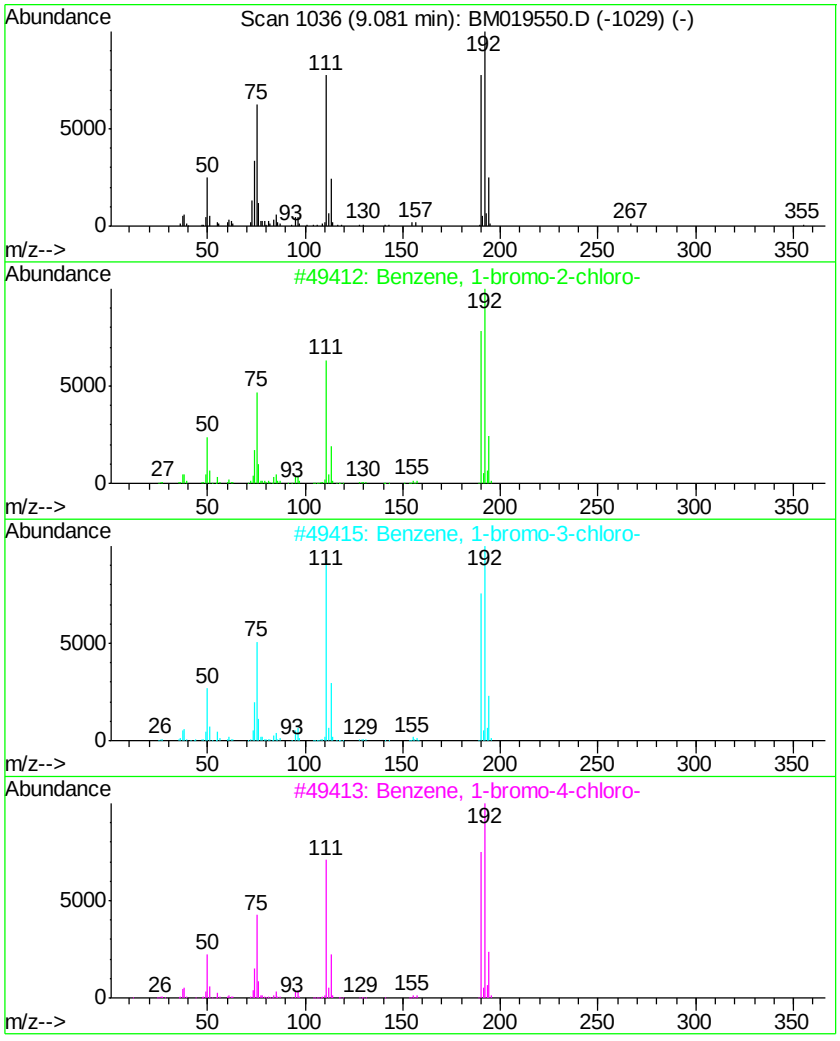
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

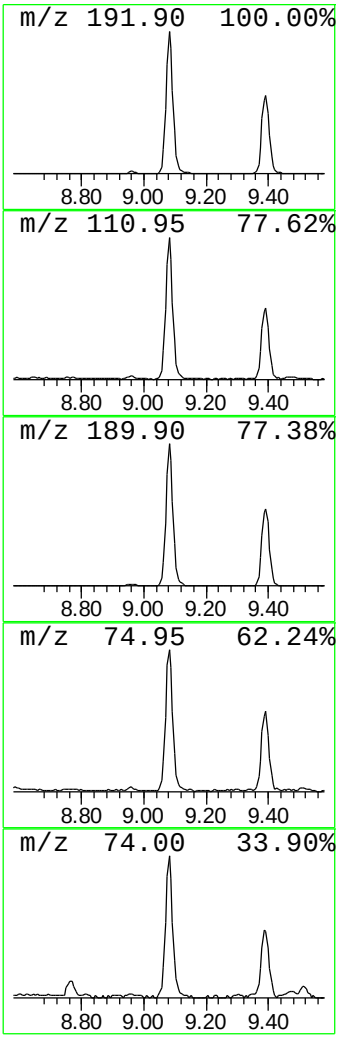
**********

Peak Number 5 Benzene, 1-bromo-2-chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.08 | 10.00 ng/ul | 530264 | Naphthalene-d8 | 10.38 |

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



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ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C09C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

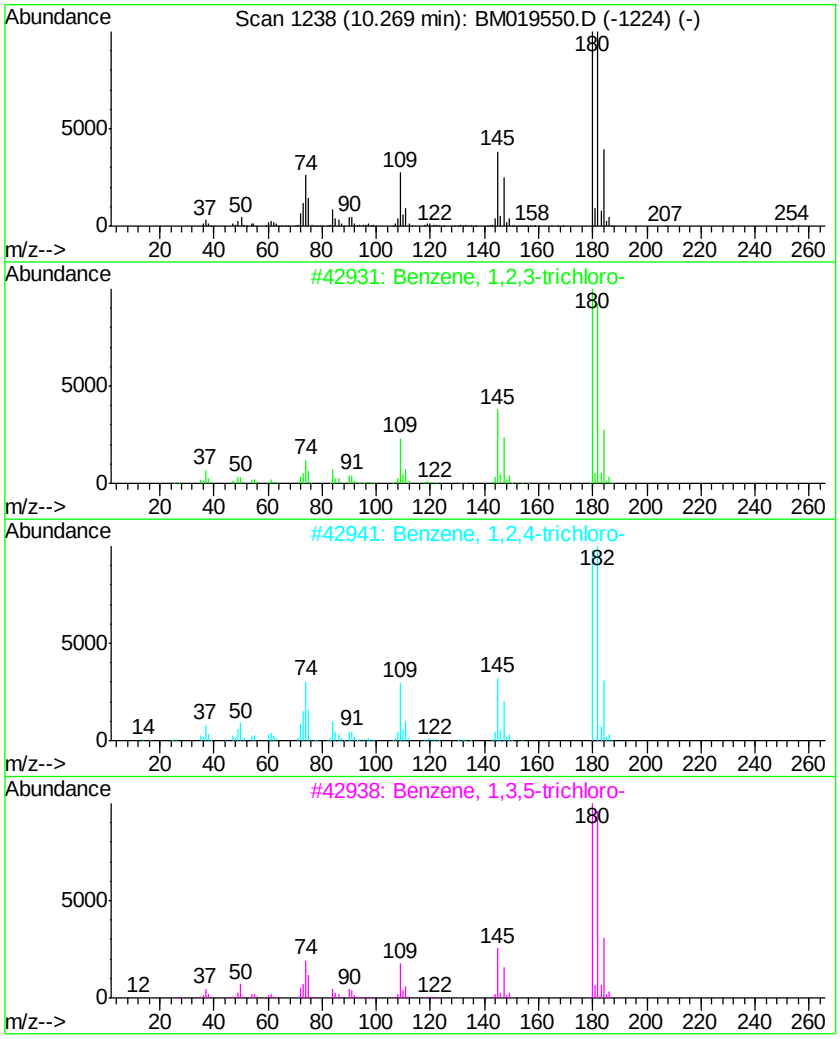
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

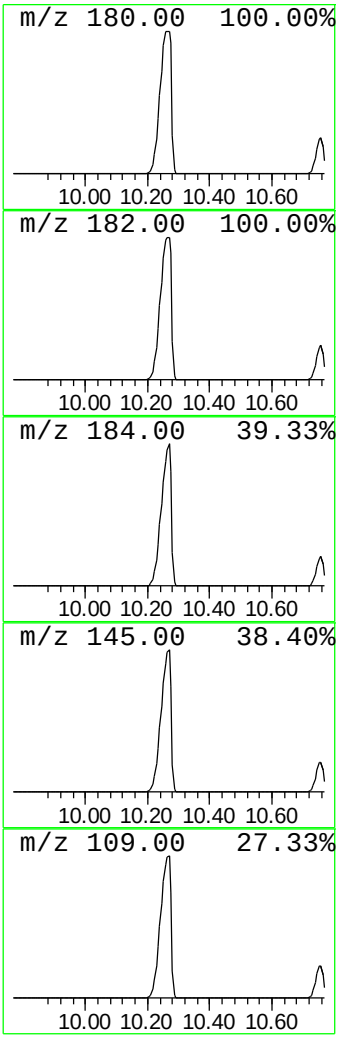
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.27 | 2024.37 ng/ul | 107307000 | Naphthalene-d8 | 10.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 2 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 96 |
| 3 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 95 |
| 4 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 95 |
| 5 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 95 |



Library Search Compound Report

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Sample : K2069-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

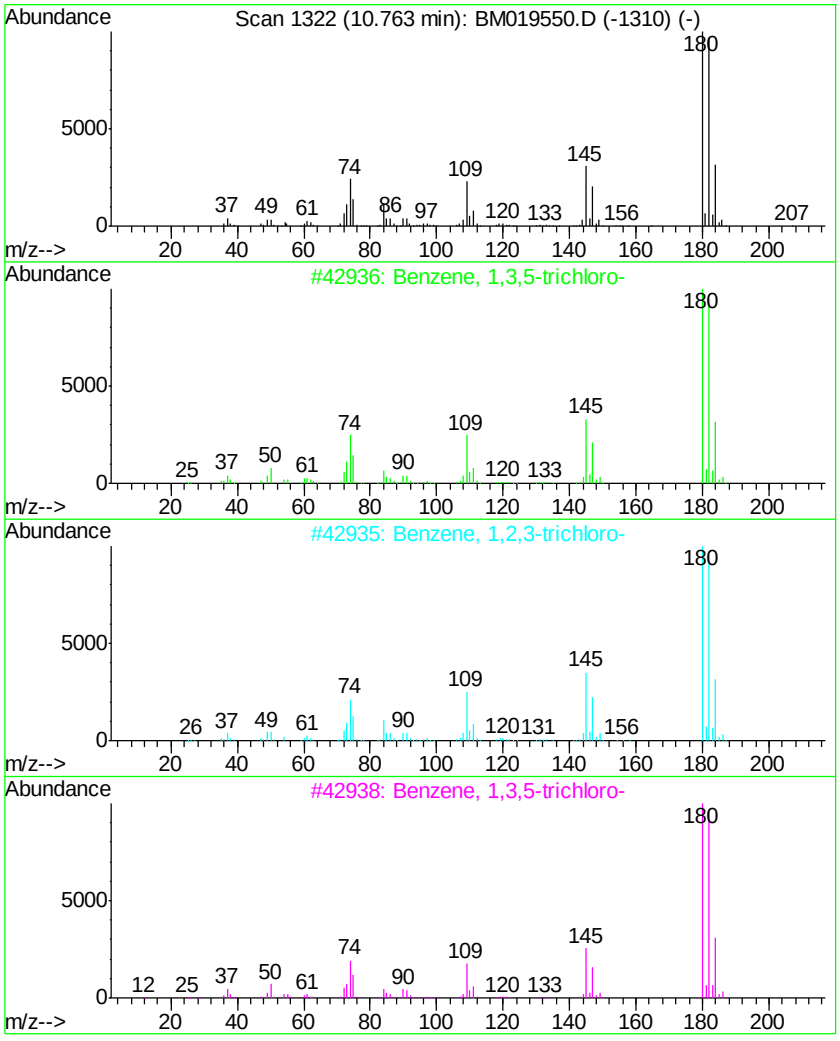
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

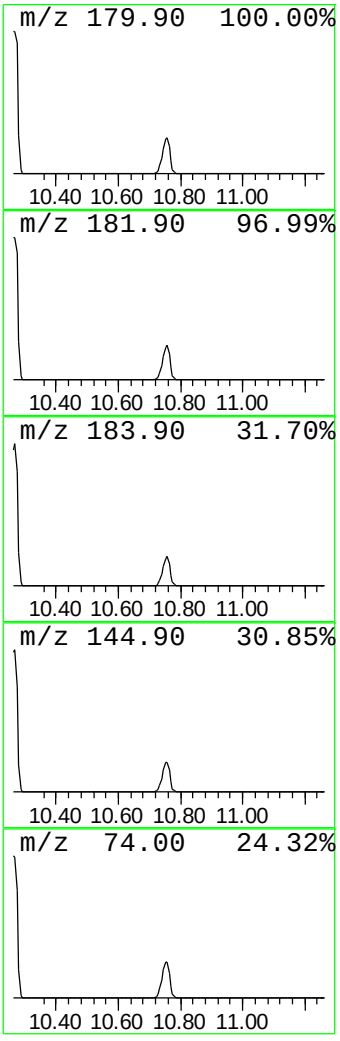
**********

Peak Number 7 Benzene, 1,3,5-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.76 | 327.39 ng/ul | 17353900 | Naphthalene-d8 | 10.38 |

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



Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_M
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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- | 5.07 | 40.6 | ng/ul | 497094000 | 1 | 7.65 | 244547000 | 20.0 |
| Benzene, 1,4-dich... | 7.51 | 13.2 | ng/ul | 160919000 | 1 | 7.65 | 244547000 | 20.0 |
| Benzene, 1,2-dich... | 7.70 | 20.0 | ng/ul | 244547000 | 1 | 7.65 | 244547000 | 20.0 |
| Benzene, 1,3-dich... | 8.02 | 18.7 | ng/ul | 228431000 | 1 | 7.65 | 244547000 | 20.0 |
| Benzene, 1-bromo-... | 9.08 | 10.0 | ng/ul | 530264 | 2 | 10.38 | 1060150 | 20.0 |
| Benzene, 1,2,3-tr... | 10.27 | 2024.4 | ng/ul | 107307000 | 2 | 10.38 | 1060150 | 20.0 |
| Benzene, 1,3,5-tr... | 10.76 | 327.4 | ng/ul | 17353900 | 2 | 10.38 | 1060150 | 20.0 |