# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019425.D
Acq On : 25 Mar 2019 11:21
Operator : JU/SJ
Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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 | 4.951 | 327 | 334 | 352 | rBV | 12448723 | 17466926 | 29.50% | 11.729% |
| 2 | 6.963 | 671 | 676 | 691 | rBV | 33967 | 73531 | 0.12% | 0.049% |
| 3 | 7.145 | 702 | 707 | 717 | rVB | 45910 | 76905 | 0.13% | 0.052% |
| 4 | 7.492 | 759 | 766 | 779 | rBV | 1739640 | 2751328 | 4.65% | 1.848% |
| 5 | 7.651 | 779 | 793 | 820 | rVV | 22293912 | 36343658 | 61.38% | 24.405% |
| 6 | 7.969 | 834 | 847 | 853 | rBV | 31635495 | 59207200 | 100.00% | 39.759% |
| 7 | 8.775 | 979 | 984 | 986 | rBV | 52385 | 76491 | 0.13% | 0.051% |
| 8 | 8.816 | 986 | 991 | 1006 | rVB | 406898 | 778504 | 1.31% | 0.523% |
| 9 | 10.033 | 1191 | 1198 | 1211 | rBV2 | 34748 | 85740 | 0.14% | 0.058% |
| 10 | 10.251 | 1227 | 1235 | 1252 | rBV | 9753337 | 15763103 | 26.62% | 10.585% |
| 11 | 10.386 | 1252 | 1258 | 1267 | rVB | 703960 | 1125357 | 1.90% | 0.756% |
| 12 | 10.769 | 1315 | 1323 | 1339 | rBV | 2194108 | 3718176 | 6.28% | 2.497% |
| 13 | 11.010 | 1355 | 1364 | 1384 | rBV | 295000 | 629278 | 1.06% | 0.423% |
| 14 | 11.227 | 1396 | 1401 | 1417 | rBV | 66575 | 159292 | 0.27% | 0.107% |
| 15 | 12.433 | 1596 | 1606 | 1617 | rBV | 211189 | 393639 | 0.66% | 0.264% |
| 16 | 13.045 | 1703 | 1710 | 1725 | rBV | 920771 | 1481218 | 2.50% | 0.995% |
| 17 | 13.686 | 1814 | 1819 | 1828 | rBV | 83547 | 152145 | 0.26% | 0.102% |
| 18 | 13.957 | 1857 | 1865 | 1873 | rBV | 130877 | 200202 | 0.34% | 0.134% |
| 19 | 14.263 | 1909 | 1917 | 1930 | rBV2 | 951841 | 1437296 | 2.43% | 0.965% |
| 20 | 15.268 | 2081 | 2088 | 2101 | rBV | 162754 | 274885 | 0.46% | 0.185% |
| 21 | 17.021 | 2380 | 2386 | 2398 | rBV2 | 1075915 | 1608328 | 2.72% | 1.080% |
| 22 | 17.127 | 2398 | 2404 | 2416 | rVB | 150256 | 269246 | 0.45% | 0.181% |
| 23 | 19.427 | 2790 | 2795 | 2805 | rBV | 215367 | 329031 | 0.56% | 0.221% |
| 24 | 21.221 | 3095 | 3100 | 3110 | rBV | 1334928 | 1901361 | 3.21% | 1.277% |
| 25 | 22.244 | 3271 | 3274 | 3279 | rVB2 | 69281 | 75387 | 0.13% | 0.051% |
| 26 | 22.738 | 3355 | 3358 | 3362 | rVB2 | 84524 | 104119 | 0.18% | 0.070% |
| 27 | 23.297 | 3448 | 3453 | 3460 | rVB2 | 266273 | 481415 | 0.81% | 0.323% |
| 28 | 23.438 | 3471 | 3477 | 3491 | rVB | 1015898 | 1952783 | 3.30% | 1.311% |

Sum of corrected areas: 148916544

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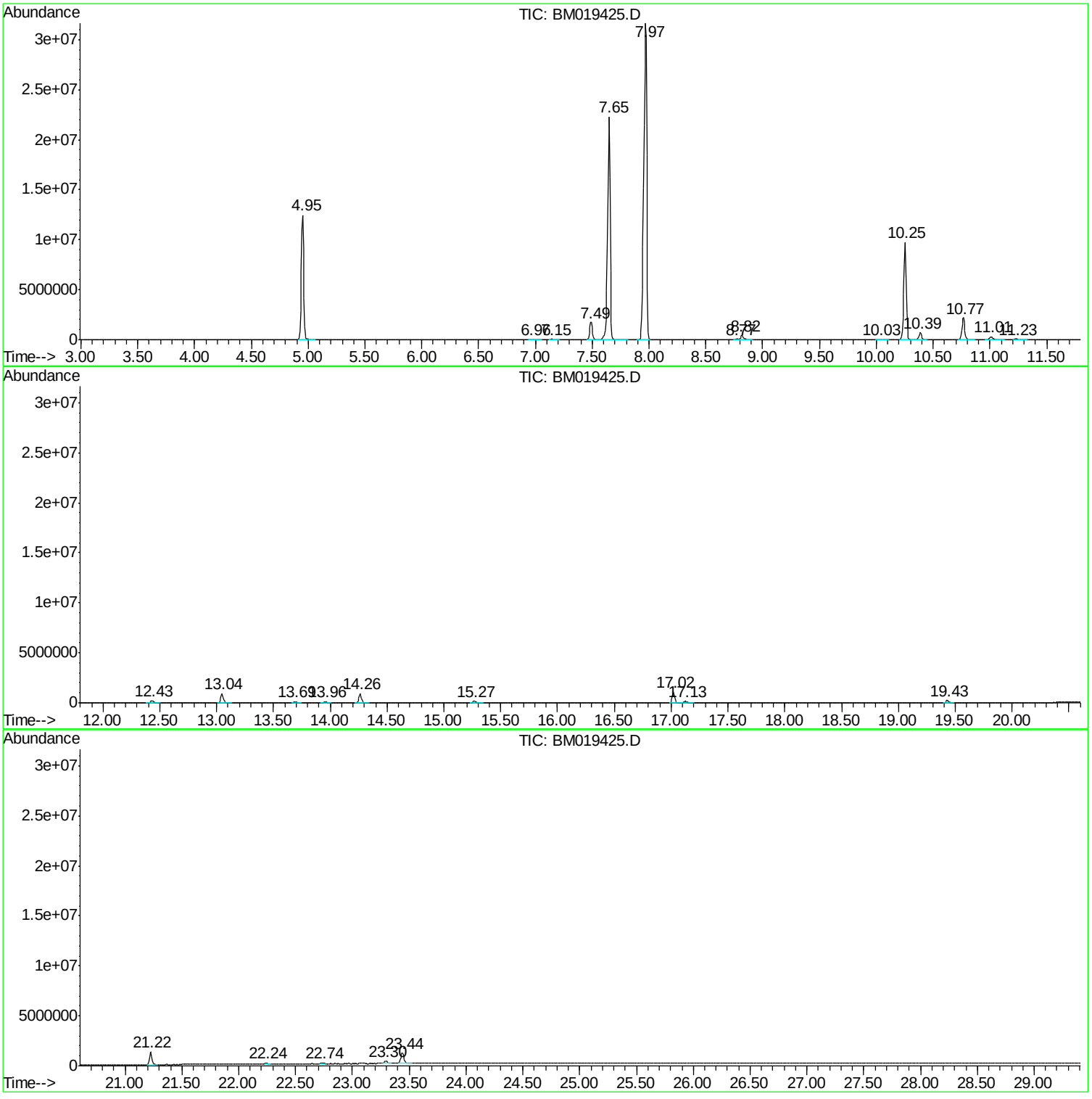
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0989DL2

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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Acq On : 25 Mar 2019 11:21
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Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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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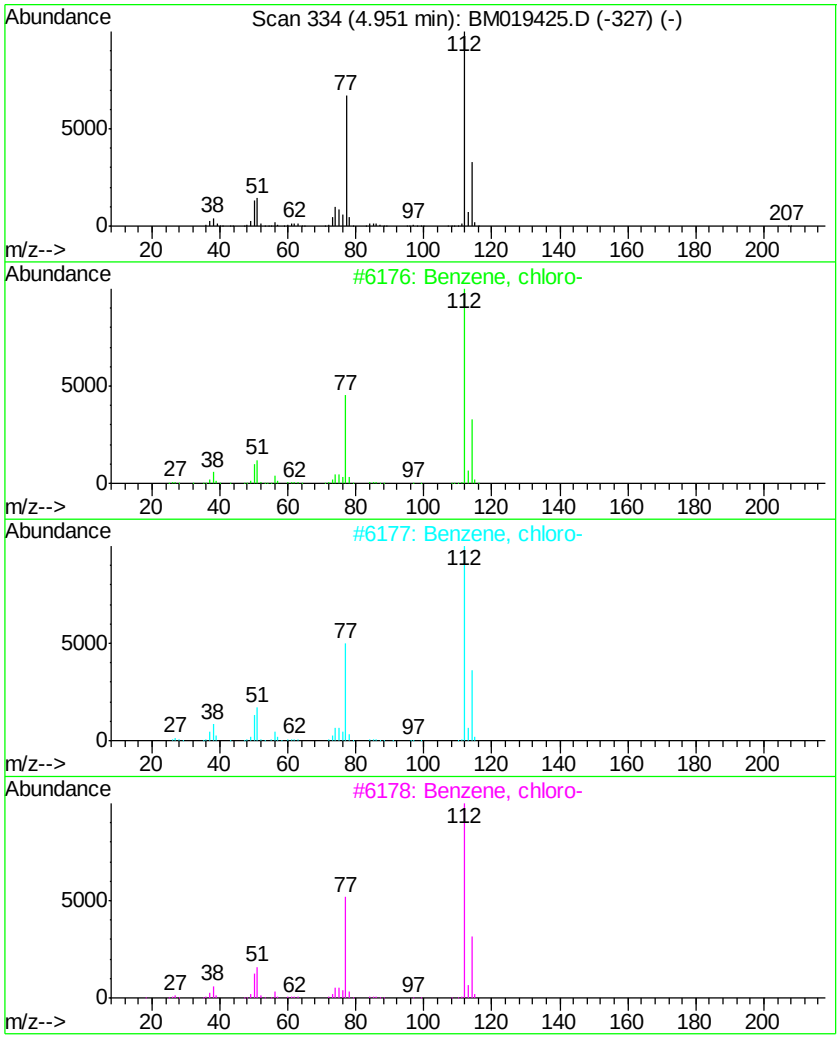
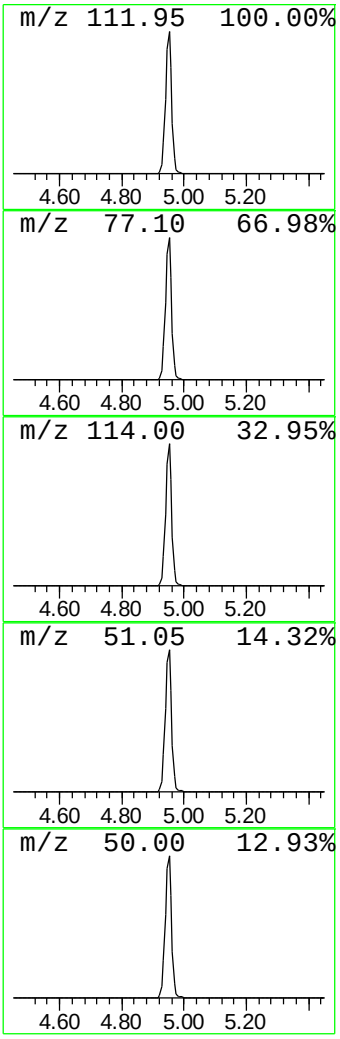
Peak Number 1 Benzene, chloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.95 | 9.61 ng/ul | 17466900 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 95 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 95 |
| 3 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 95 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 94 |
| 5 | Phenol, 4-fluoro- | 112 | C6H5FO | 000371-41-5 | 38 |



Library Search Compound Report

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Data File : BM019425.D
Acq On : 25 Mar 2019 11:21
Operator : JU/SJ
Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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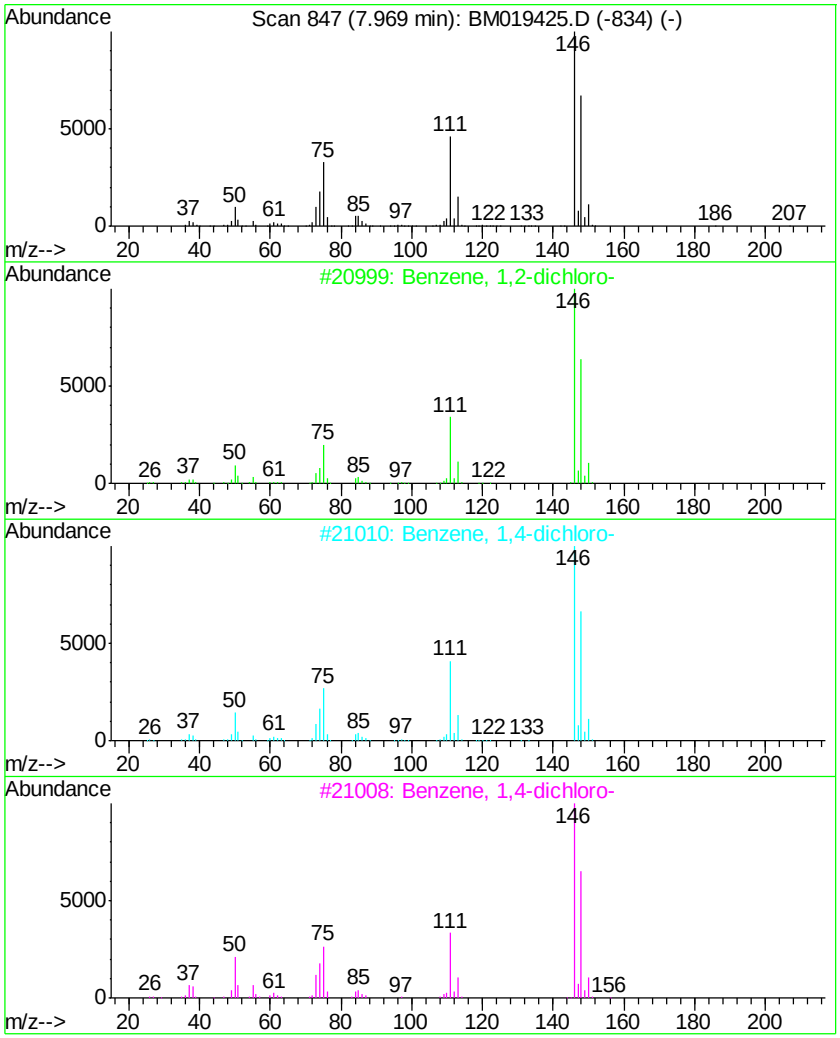
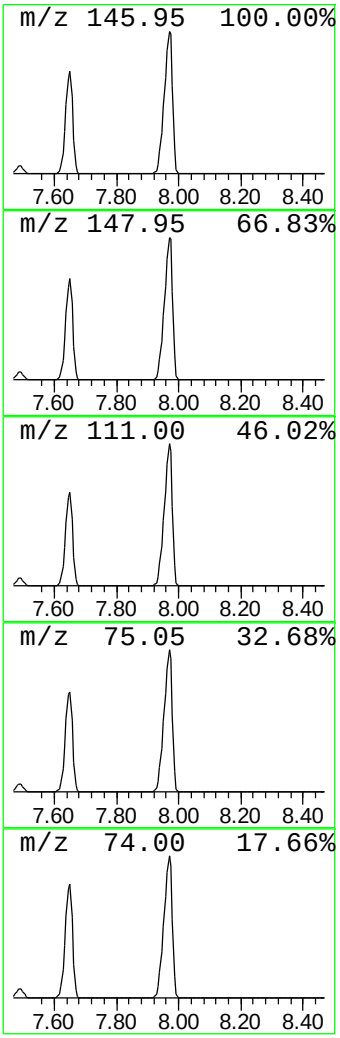
Peak Number 2 Benzene, 1,2-dichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.97 | 32.58 ng/ul | 59207200 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 97 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |
| 3 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 95 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 95 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 95 |



Library Search Compound Report

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Data File : BM019425.D
Acq On : 25 Mar 2019 11:21
Operator : JU/SJ
Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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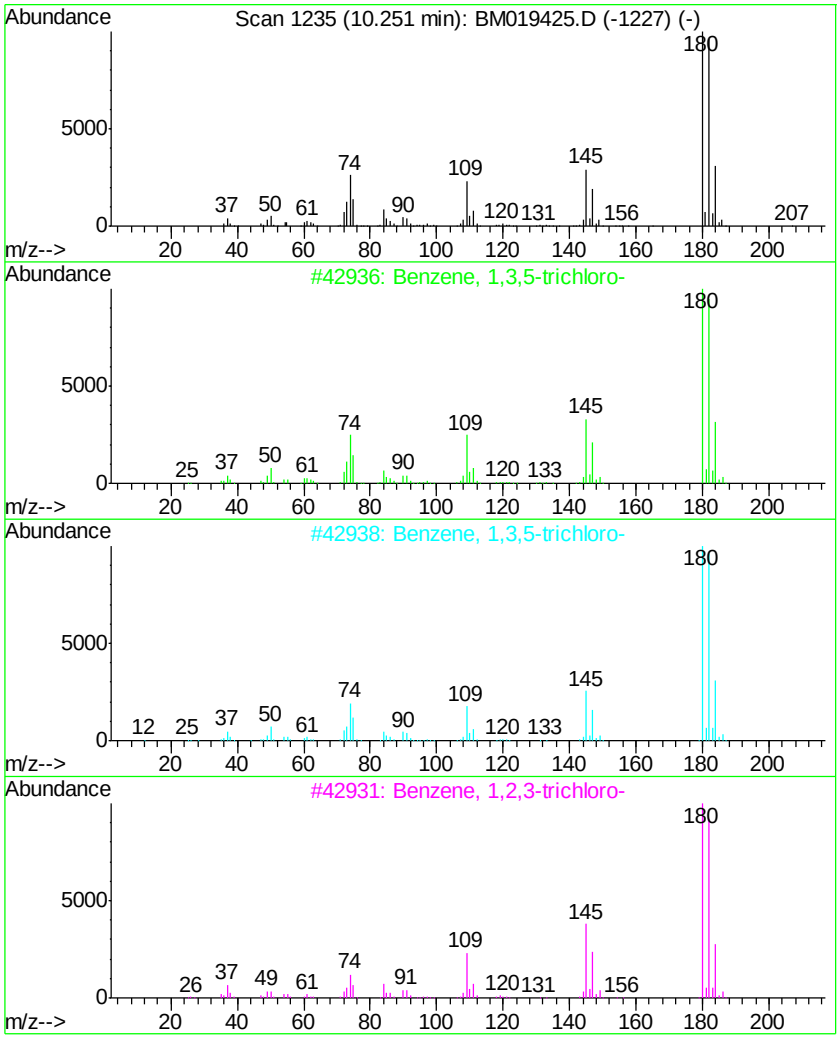
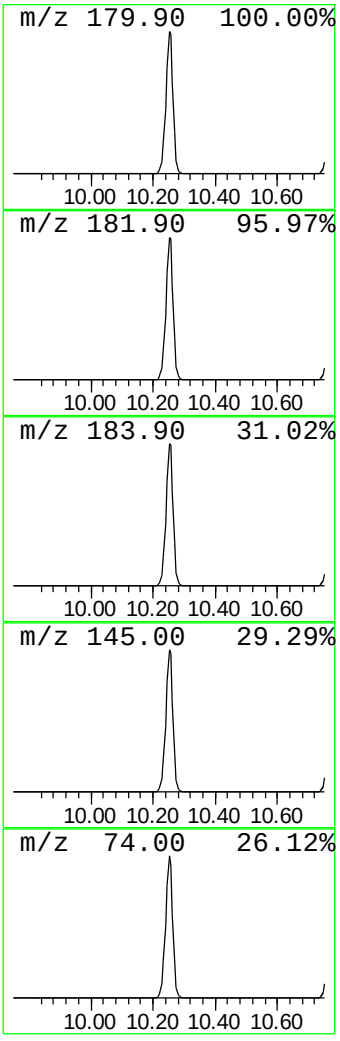
Peak Number 3 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.25 | 280.14 ng/ul | 15763100 | Naphthalene-d8 | 10.39 |

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



Library Search Compound Report

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Data File : BM019425.D
Acq On : 25 Mar 2019 11:21
Operator : JU/SJ
Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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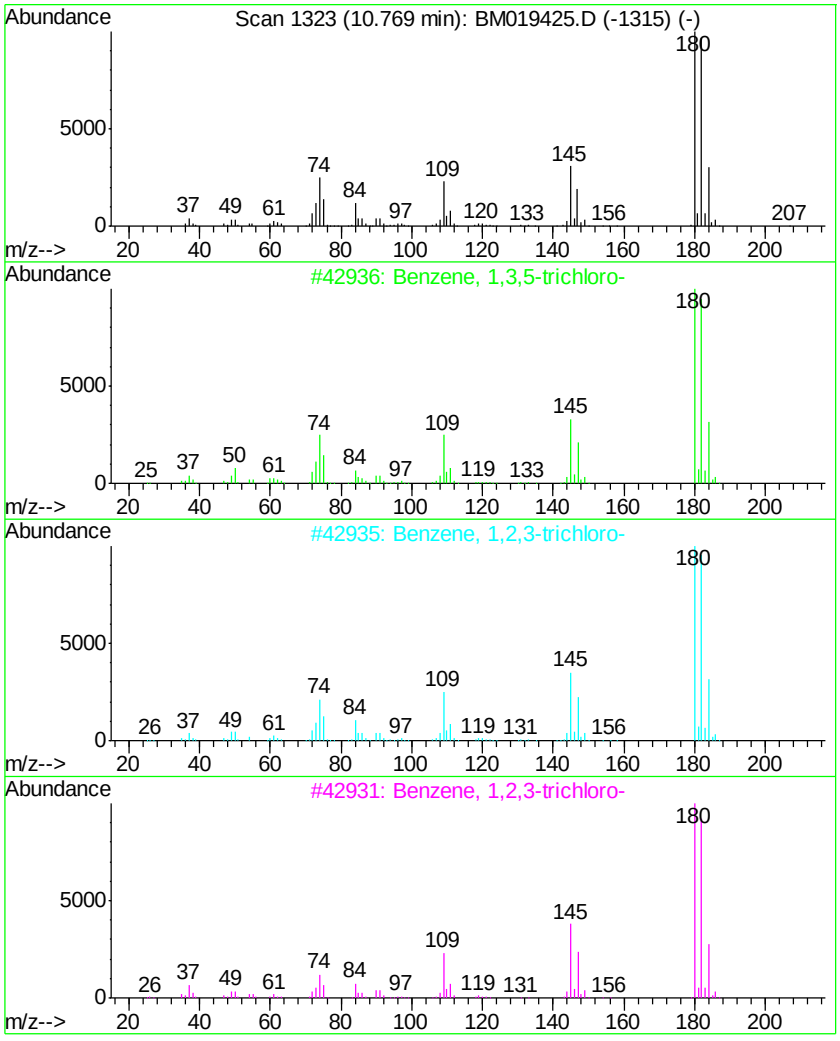
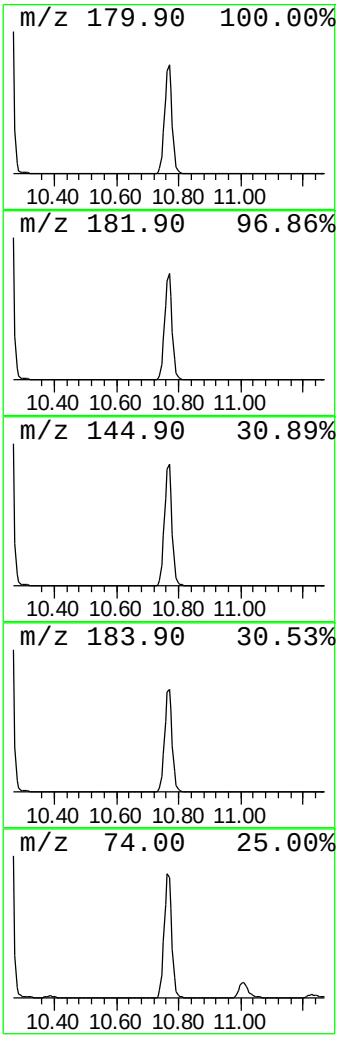
Peak Number 4 Benzene, 1,2,3-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.77 | 66.08 ng/ul | 3718180 | Naphthalene-d8 | 10.39 |

| 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, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 4 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 97 |
| 5 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |



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Data File : BM019425.D
Acq On : 25 Mar 2019 11:21
Operator : JU/SJ
Sample : K2027-10DL2 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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

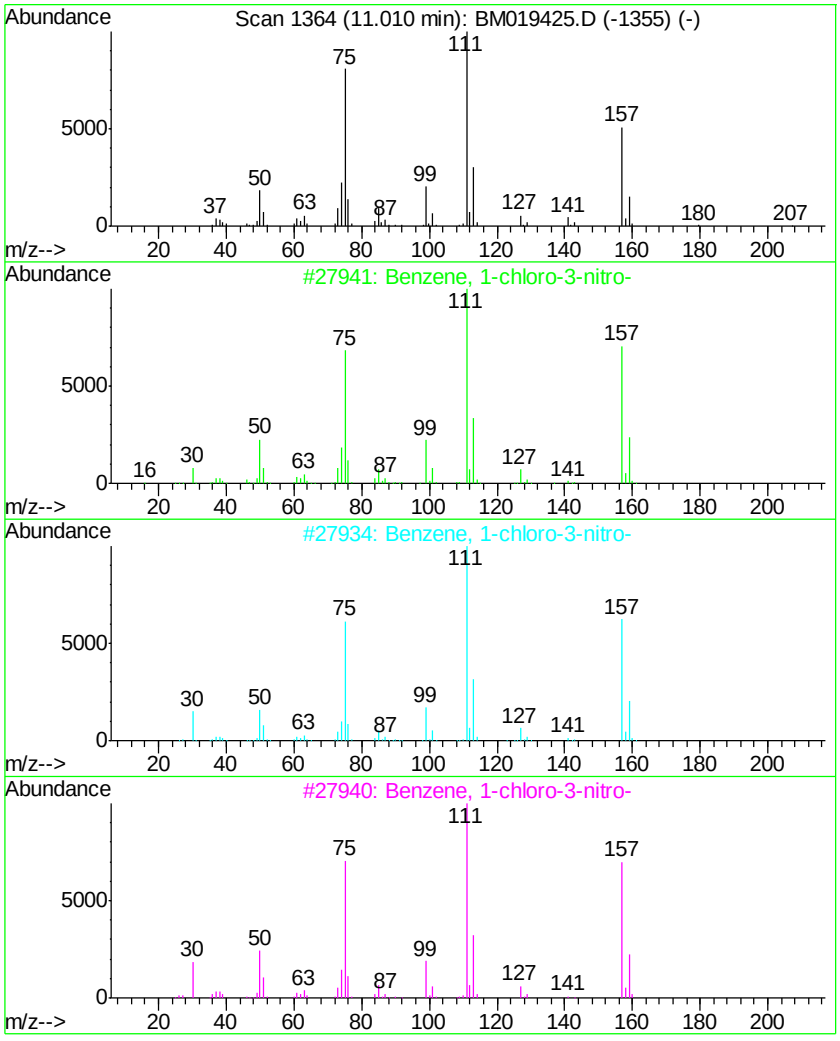
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

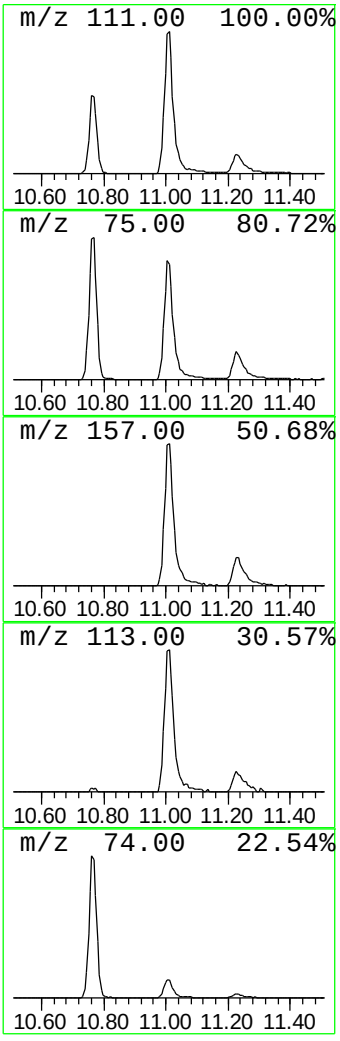
**********

Peak Number 5 Benzene, 1-chloro-3-nitro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.01 | 11.18 ng/ul | 629278 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 96 |
| 2 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 95 |
| 3 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 94 |
| 4 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94 |
| 5 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 87 |



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Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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

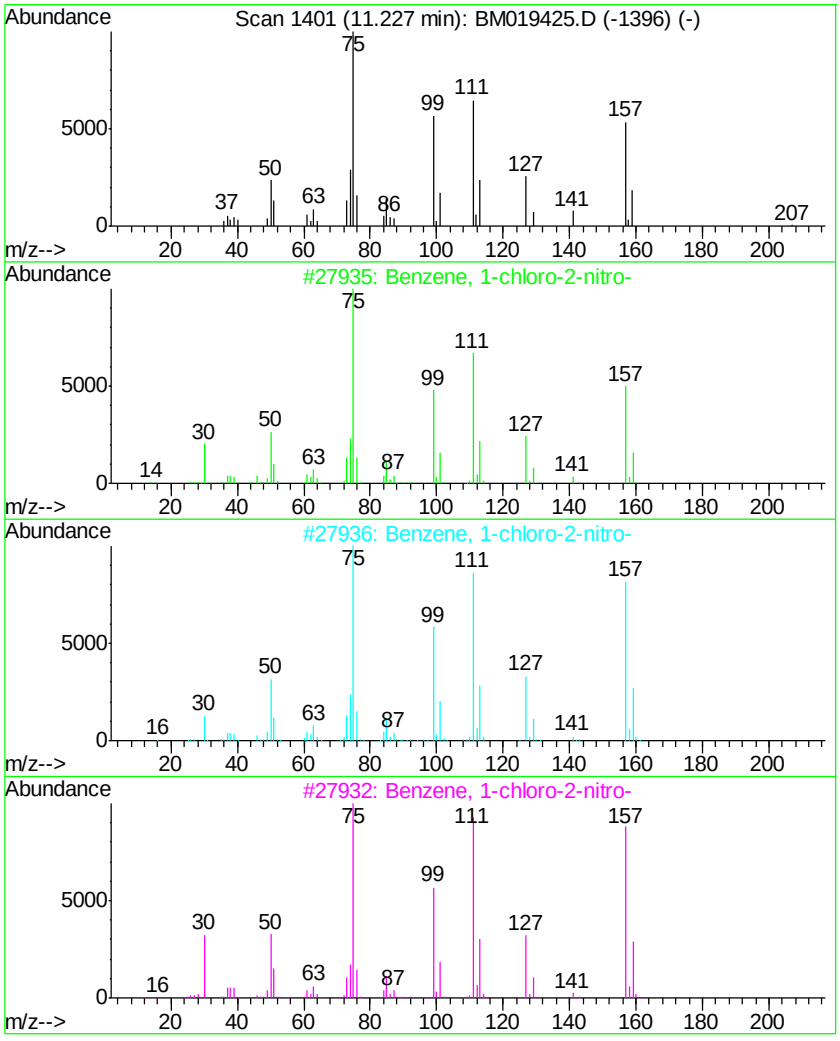
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

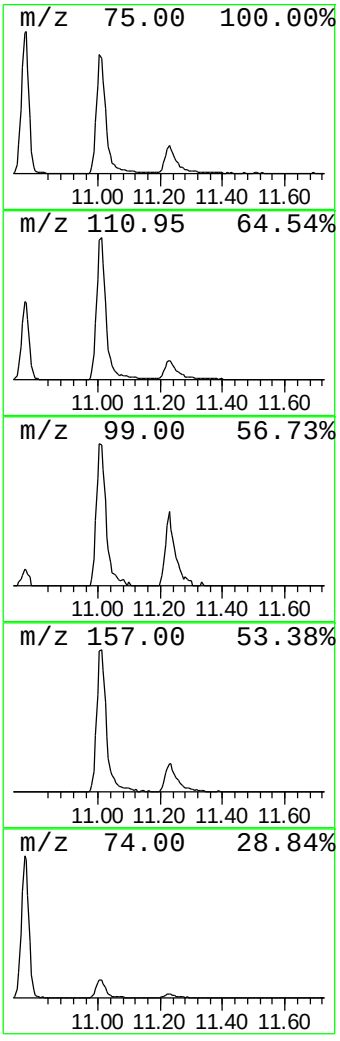
**********

Peak Number 6 Benzene, 1-chloro-2-nitro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.23 | 2.83 ng/ul | 159292 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 98 |
| 2 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 96 |
| 3 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 95 |
| 4 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 93 |
| 5 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 90 |



Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0989DL2

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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- | 4.95 | 9.6 | ng/ul | 17466900 | 1 | 7.60 | 36343700 | 20.0 |
| Benzene, 1,2-dich... | 7.97 | 32.6 | ng/ul | 59207200 | 1 | 7.60 | 36343700 | 20.0 |
| Benzene, 1,3,5-tr... | 10.25 | 280.1 | ng/ul | 15763100 | 2 | 10.39 | 1125360 | 20.0 |
| Benzene, 1,2,3-tr... | 10.77 | 66.1 | ng/ul | 3718180 | 2 | 10.39 | 1125360 | 20.0 |
| Benzene, 1-chloro... | 11.01 | 11.2 | ng/ul | 629278 | 2 | 10.39 | 1125360 | 20.0 |
| Benzene, 1-chloro... | 11.23 | 2.8 | ng/ul | 159292 | 2 | 10.39 | 1125360 | 20.0 |