LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

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_G\METHODS\SOM-EPA-BG032717MA.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 | 5.375 | 376 | 389 | 403 | rBV | 17574091 | 41181950 | 44.95% | 13.407% |
| 2 | 7.373 | 721 | 729 | 738 | rBV | 543021 | 936378 | 1.02% | 0.305% |
| 3 | 7.579 | 756 | 764 | 780 | rBV2 | 526487 | 1250089 | 1.36% | 0.407% |
| 4 | 7.943 | 816 | 826 | 838 | rBV | 8474800 | 17416987 | 19.01% | 5.670% |
| 5 | 8.119 | 838 | 856 | 861 | rBV | 21556872 | 68130101 | 74.37% | 22.180% |
| 6 | 8.460 | 896 | 914 | 916 | rBV4 | 22265815 | 91614694 | 100.00% | 29.825% |
| 7 | 9.206 | 1033 | 1041 | 1043 | rBV | 565352 | 979811 | 1.07% | 0.319% |
| 8 | 9.253 | 1043 | 1049 | 1059 | rVB | 3799529 | 7050907 | 7.70% | 2.295% |
| 9 | 9.923 | 1158 | 1163 | 1182 | rVB | 492895 | 924746 | 1.01% | 0.301% |
| 10 | 10.469 | 1248 | 1256 | 1263 | rBV | 769942 | 1519622 | 1.66% | 0.495% |
| 11 | 10.716 | 1289 | 1298 | 1313 | rVV | 11796238 | 23104464 | 25.22% | 7.522% |
| 12 | 10.845 | 1313 | 1320 | 1328 | rVV | 816803 | 1438007 | 1.57% | 0.468% |
| 13 | 11.233 | 1377 | 1386 | 1398 | rBV | 5215967 | 9405272 | 10.27% | 3.062% |
| 14 | 11.439 | 1408 | 1421 | 1437 | rVB | 1935170 | 3394396 | 3.71% | 1.105% |
| 15 | 11.650 | 1449 | 1457 | 1467 | rBV | 506889 | 918061 | 1.00% | 0.299% |
| 16 | 13.460 | 1758 | 1765 | 1776 | rBV | 1214196 | 1987863 | 2.17% | 0.647% |
| 17 | 14.047 | 1859 | 1865 | 1872 | rBV | 1581597 | 2338127 | 2.55% | 0.761% |
| 18 | 14.341 | 1908 | 1915 | 1922 | rBV | 1822710 | 2933378 | 3.20% | 0.955% |
| 19 | 14.647 | 1958 | 1967 | 1978 | rBV2 | 1229119 | 2052562 | 2.24% | 0.668% |
| 20 | 15.634 | 2128 | 2135 | 2144 | rBV | 2562767 | 3847546 | 4.20% | 1.253% |
| 21 | 15.751 | 2148 | 2155 | 2168 | rVV | 794612 | 1162140 | 1.27% | 0.378% |
| 22 | 17.379 | 2426 | 2432 | 2440 | rBV2 | 1695018 | 2489305 | 2.72% | 0.810% |
| 23 | 17.479 | 2442 | 2449 | 2459 | rBV | 2760026 | 4235624 | 4.62% | 1.379% |
| 24 | 19.758 | 2829 | 2837 | 2844 | rBV | 3484735 | 5234636 | 5.71% | 1.704% |
| 25 | 21.627 | 3148 | 3155 | 3167 | rBV | 1898120 | 3176528 | 3.47% | 1.034% |
| 26 | 24.588 | 3648 | 3659 | 3677 | rVB2 | 1859427 | 5188146 | 5.66% | 1.689% |
| 27 | 24.805 | 3685 | 3696 | 3709 | rVB3 | 1170613 | 3260365 | 3.56% | 1.061% |

Sum of corrected areas: 307171705

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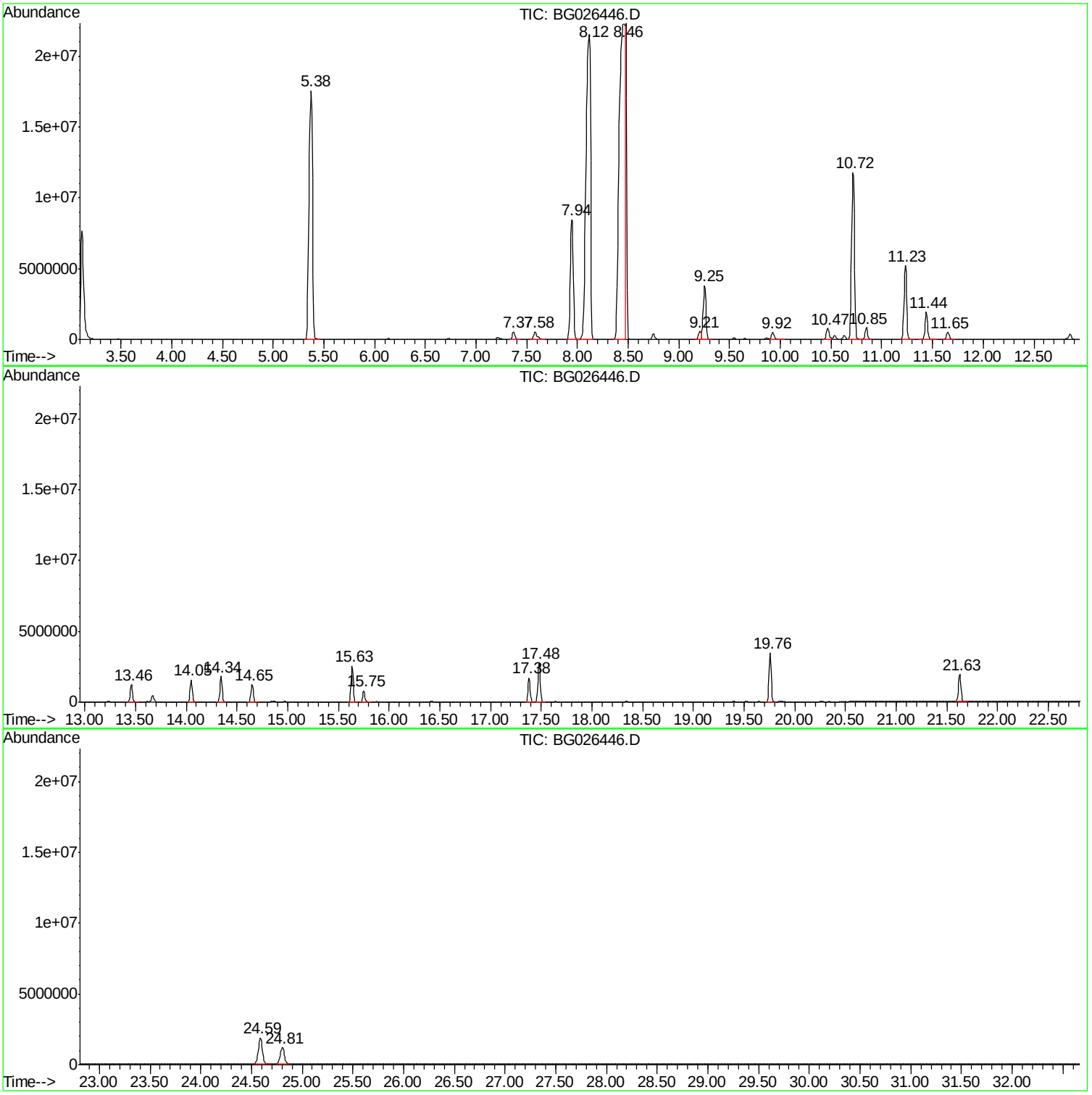
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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

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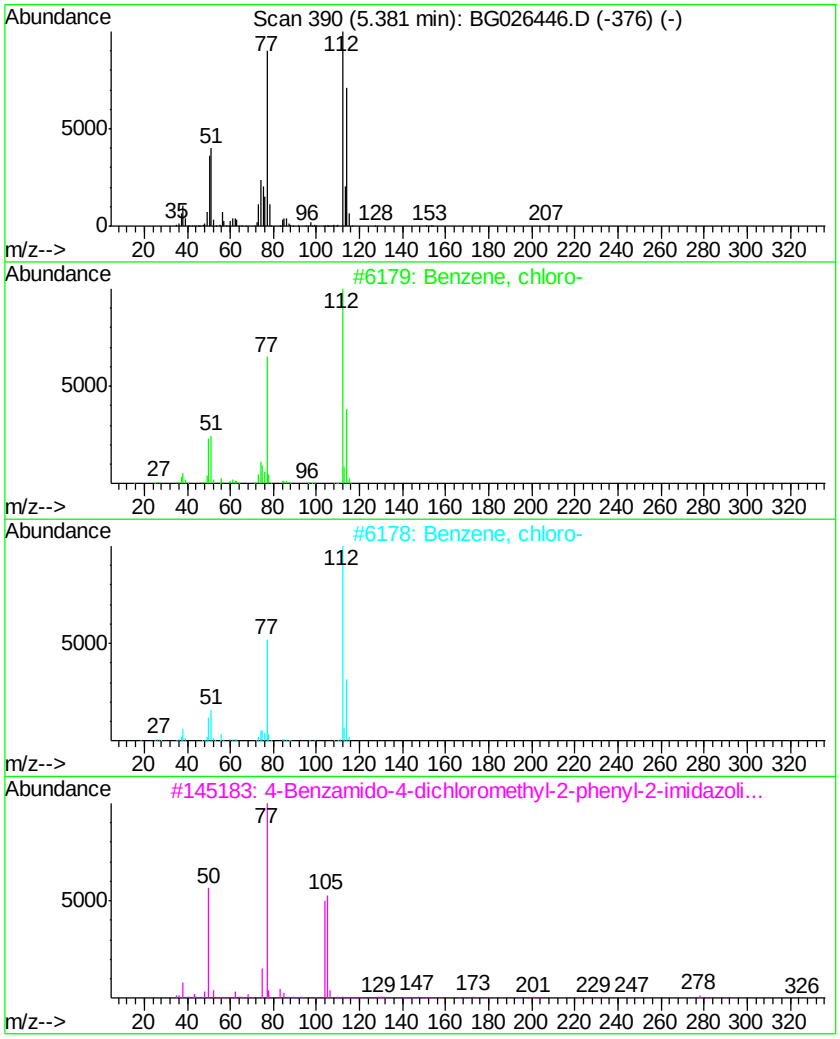
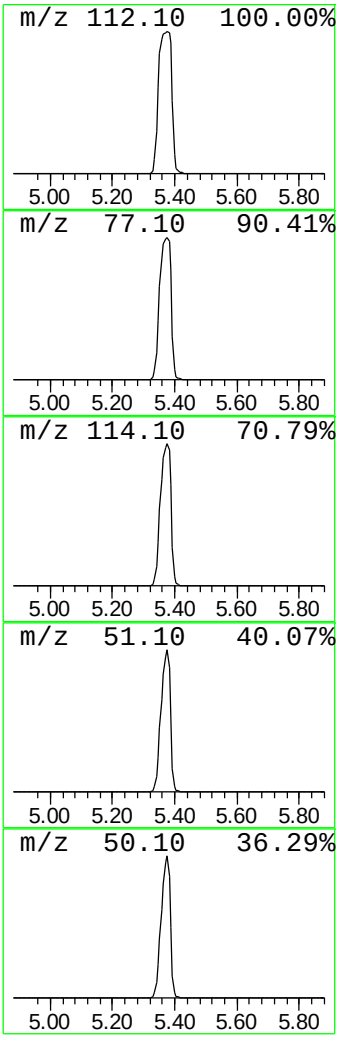
Peak Number 1 Benzene, chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.38 | 12.09 ng/ul | 41182000 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 87 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 64 |
| 3 | 4-Benzamido-4-dichloromethyl-2-p... | 361 | C17H13Cl2N3O2 | 076543-29-8 | 25 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 12 |
| 5 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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

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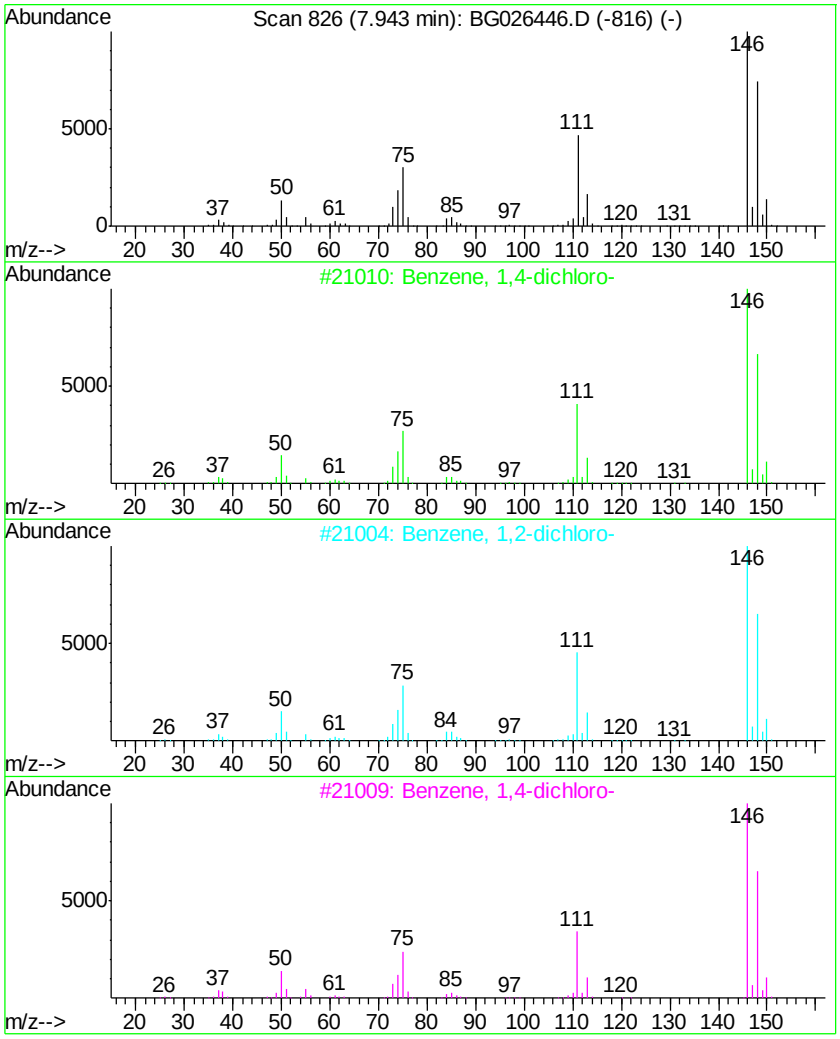
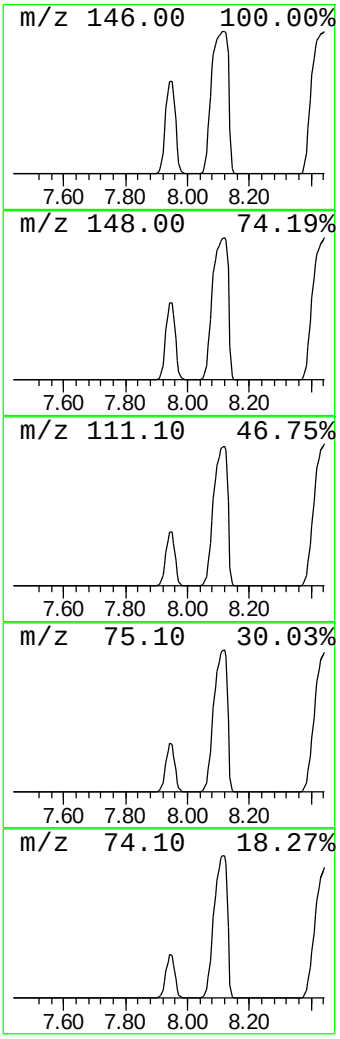
Peak Number 2 Benzene, 1,4-dichloro- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.94 | 5.11 ng/ul | 17417000 | 1,4-Dichlorobenzene-d4 | 8.06 |

| 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 | 96 |
| 3 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 96 |
| 5 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 95 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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

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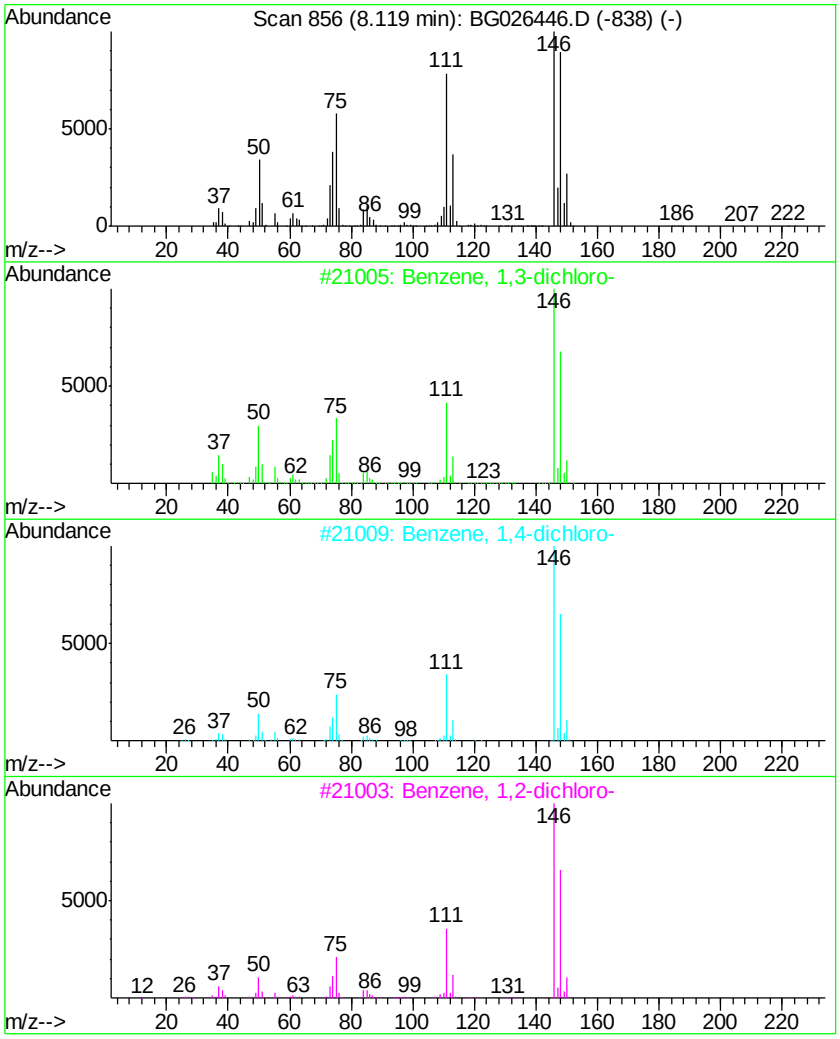
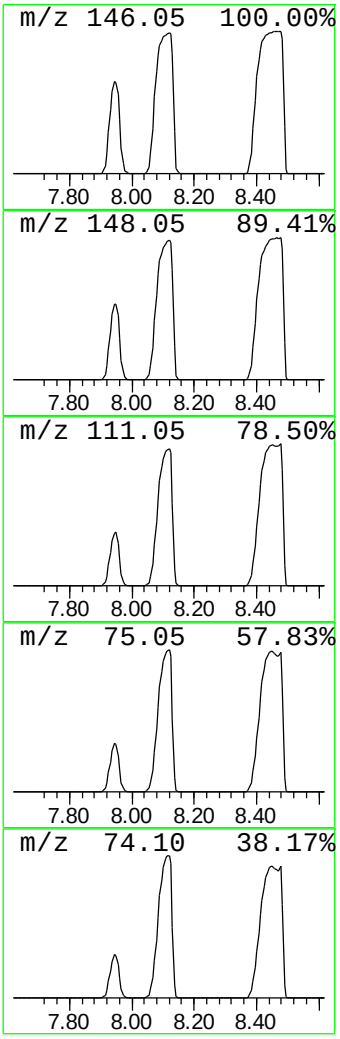
Peak Number 3 Benzene, 1,3-dichloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.12 | 20.00 ng/ul | 68130100 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 93 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 90 |
| 3 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 87 |
| 4 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 87 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 83 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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

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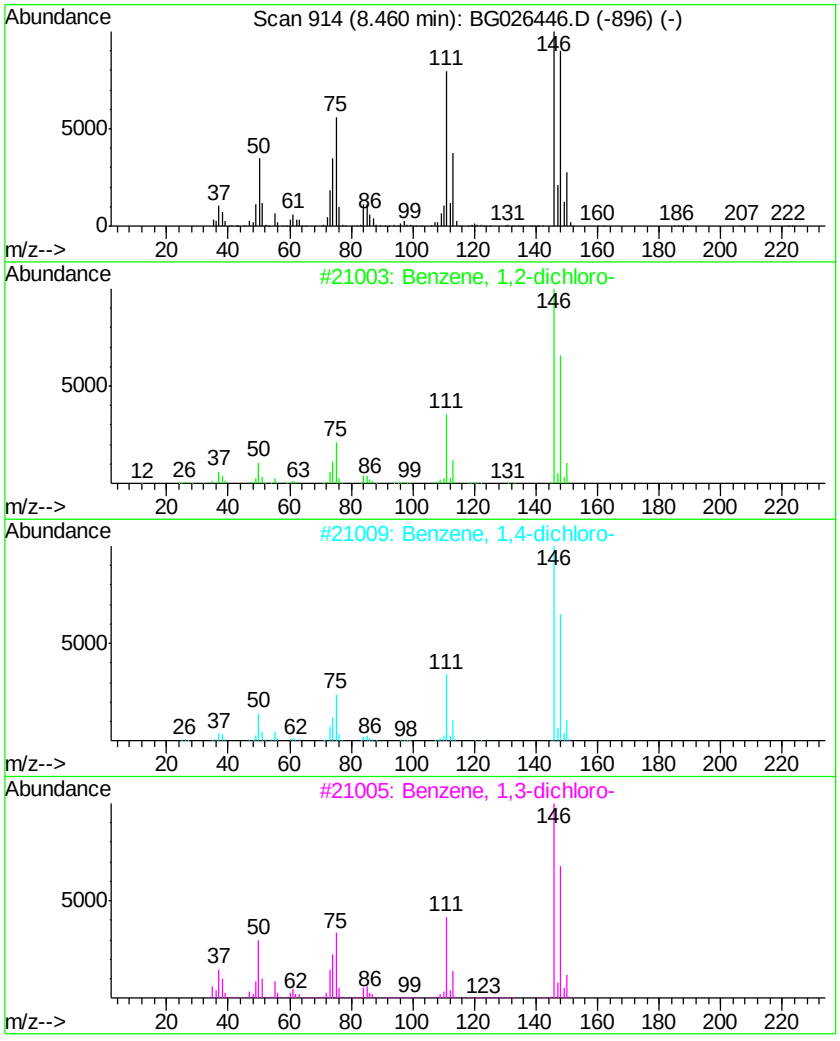
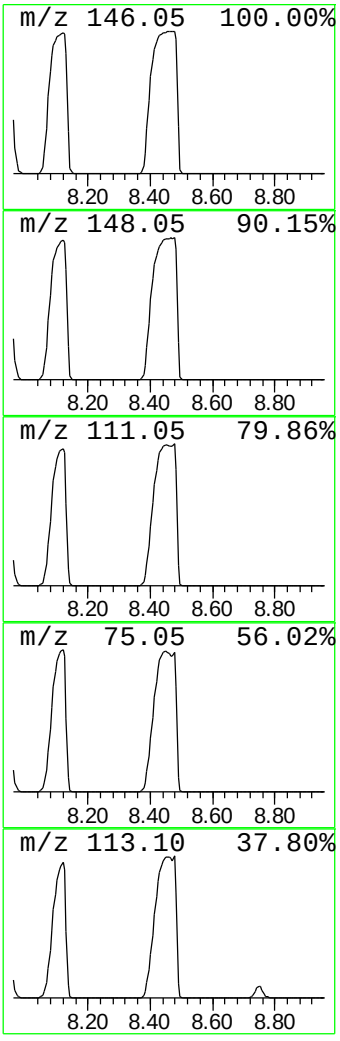
Peak Number 4 Benzene, 1,2-dichloro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.46 | 26.89 ng/ul | 91614700 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 93 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 90 |
| 3 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 90 |
| 4 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 81 |
| 5 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 81 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

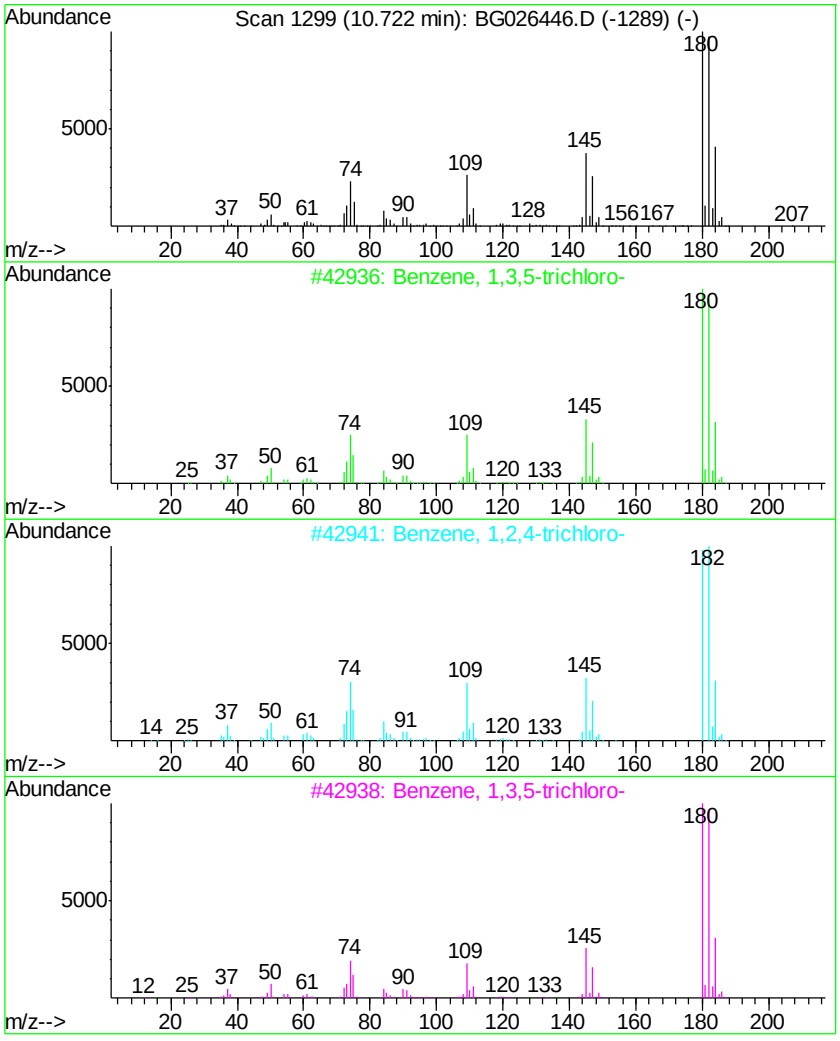
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

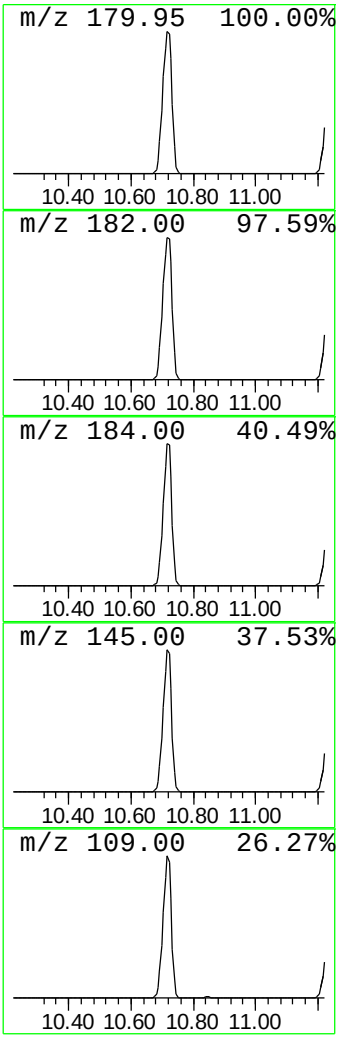
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.72 | 321.34 ng/ul | 23104500 | Naphthalene-d8 | 10.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |
| 2 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 97 |
| 3 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 96 |
| 4 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 96 |
| 5 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 95 |



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Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

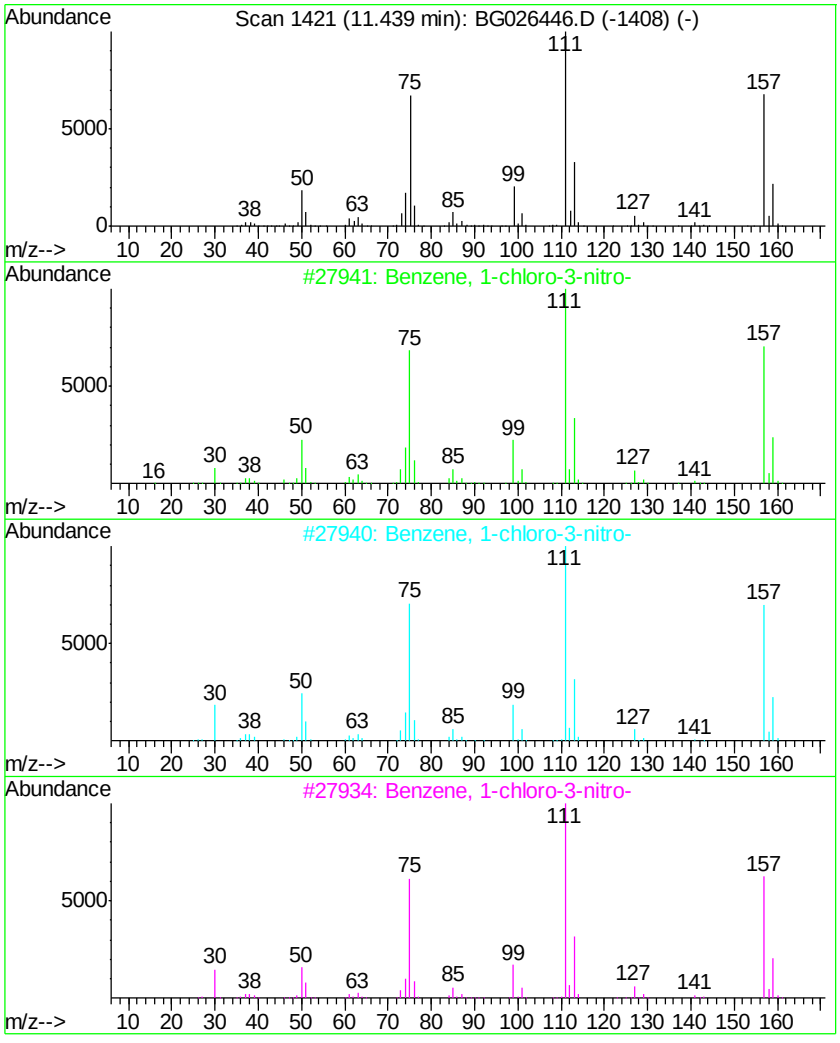
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

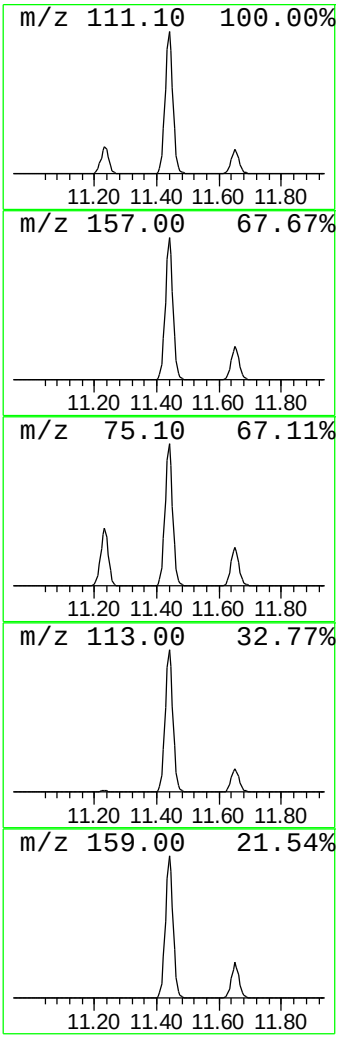
**********

Peak Number 7 Benzene, 1-chloro-3-nitro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.44 | 47.21 ng/ul | 3394400 | Naphthalene-d8 | 10.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 98 |
| 2 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97 |
| 3 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 96 |
| 4 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94 |
| 5 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 87 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.M
Quant Title : SVOA CALIBRATION

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

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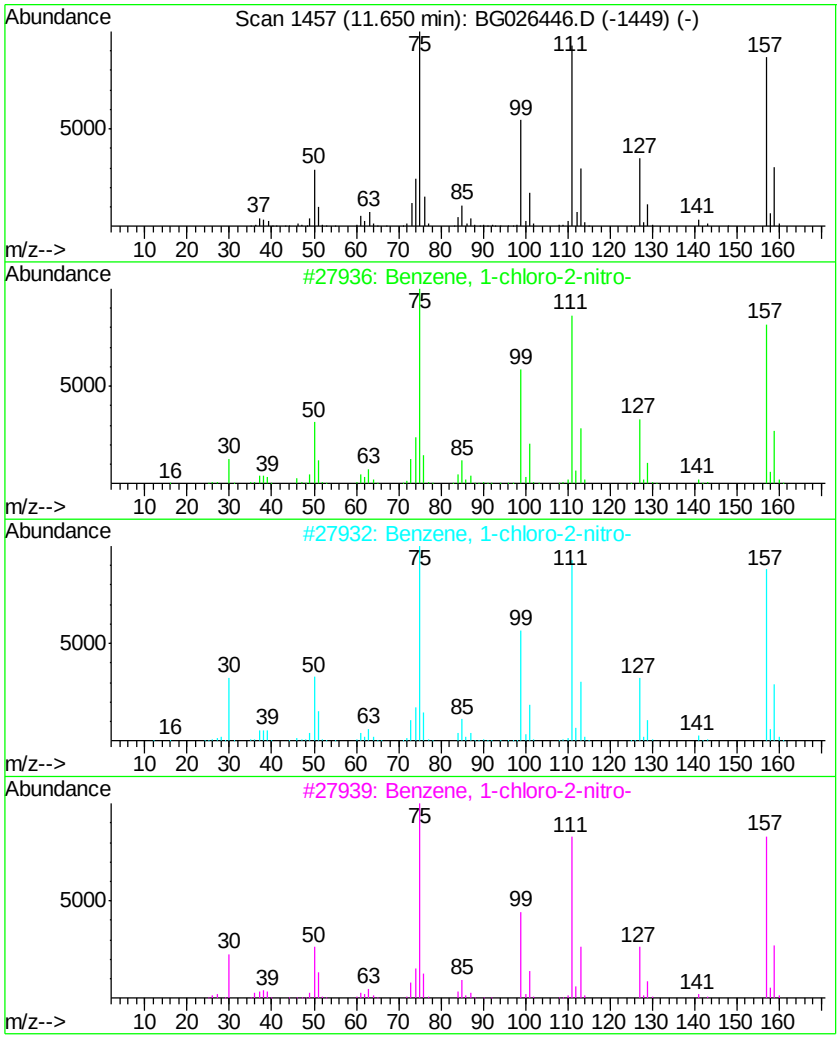
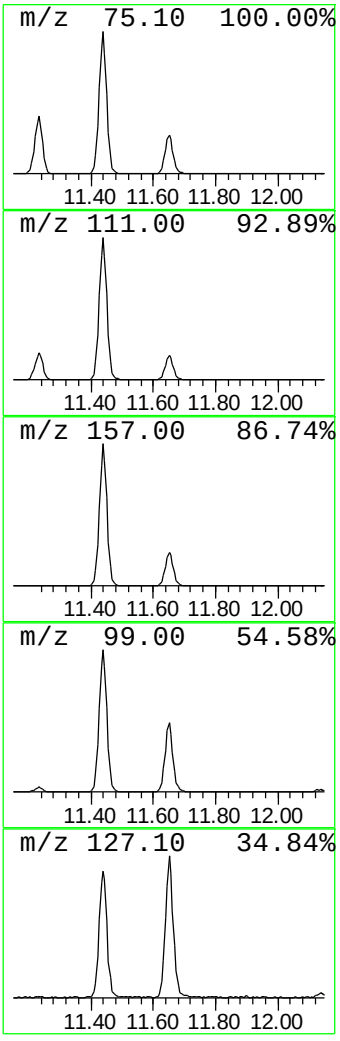
Peak Number 8 Benzene, 1-chloro-2-nitro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 12.77 ng/ul | 918061 | Naphthalene-d8 | 10.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 99 |
| 2 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 98 |
| 3 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 98 |
| 4 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 98 |
| 5 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 96 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032717\
Data File : BG026446.D
Acq On : 27 Mar 2017 23:50
Operator : SJ/MA
Sample : I2358-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0BM0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG032717MA.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- | 5.38 | 12.1 | ng/ul | 41182000 | 1 | 8.06 | 68130100 | 20.0 |
| Benzene, 1,4-dich... | 7.94 | 5.1 | ng/ul | 17417000 | 1 | 8.06 | 68130100 | 20.0 |
| Benzene, 1,3-dich... | 8.12 | 20.0 | ng/ul | 68130100 | 1 | 8.06 | 68130100 | 20.0 |
| Benzene, 1,2-dich... | 8.46 | 26.9 | ng/ul | 91614700 | 1 | 8.06 | 68130100 | 20.0 |
| Benzene, 1,3,5-tr... | 10.72 | 321.3 | ng/ul | 23104500 | 2 | 10.85 | 1438010 | 20.0 |
| Benzene, 1-chloro... | 11.44 | 47.2 | ng/ul | 3394400 | 2 | 10.85 | 1438010 | 20.0 |
| Benzene, 1-chloro... | 11.65 | 12.8 | ng/ul | 918061 | 2 | 10.85 | 1438010 | 20.0 |