LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

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_P\METHODS\SOM-EPA-BP012721MA.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 | 5.169 | 319 | 337 | 342 | rBV3 | 43733430 | 143985471 | 100.00% | 29.784% |
| 2 | 7.134 | 664 | 671 | 682 | rBV | 143614 | 242839 | 0.17% | 0.050% |
| 3 | 7.322 | 696 | 703 | 717 | rBV | 183850 | 327765 | 0.23% | 0.068% |
| 4 | 7.693 | 755 | 766 | 777 | rBV | 8138992 | 15540246 | 10.79% | 3.215% |
| 5 | 7.881 | 778 | 798 | 802 | rBV2 | 39640987 | 111899515 | 77.72% | 23.147% |
| 6 | 8.216 | 835 | 855 | 859 | rBV2 | 39746574 | 132195837 | 91.81% | 27.345% |
| 7 | 8.492 | 896 | 902 | 909 | rBV | 141053 | 218569 | 0.15% | 0.045% |
| 8 | 8.945 | 972 | 979 | 983 | rBV | 217090 | 389288 | 0.27% | 0.081% |
| 9 | 8.992 | 983 | 987 | 994 | rVB | 677771 | 1036256 | 0.72% | 0.214% |
| 10 | 9.281 | 1028 | 1036 | 1044 | rBV | 153960 | 257336 | 0.18% | 0.053% |
| 11 | 9.598 | 1085 | 1090 | 1095 | rVB | 86041 | 149920 | 0.10% | 0.031% |
| 12 | 9.669 | 1095 | 1102 | 1109 | rBV | 203282 | 345991 | 0.24% | 0.072% |
| 13 | 10.204 | 1185 | 1193 | 1202 | rBV | 295056 | 491442 | 0.34% | 0.102% |
| 14 | 10.481 | 1226 | 1240 | 1245 | rBV | 24642825 | 49257239 | 34.21% | 10.189% |
| 15 | 10.598 | 1253 | 1260 | 1265 | rBV | 194060 | 313560 | 0.22% | 0.065% |
| 16 | 10.981 | 1315 | 1325 | 1337 | rVB | 7046541 | 11618673 | 8.07% | 2.403% |
| 17 | 11.181 | 1352 | 1359 | 1367 | rBV | 448371 | 724604 | 0.50% | 0.150% |
| 18 | 11.398 | 1386 | 1396 | 1404 | rBV | 109889 | 195427 | 0.14% | 0.040% |
| 19 | 12.616 | 1598 | 1603 | 1611 | rVB | 538974 | 843830 | 0.59% | 0.175% |
| 20 | 13.228 | 1695 | 1707 | 1717 | rBV | 1719433 | 2563295 | 1.78% | 0.530% |
| 21 | 13.845 | 1799 | 1812 | 1817 | rBV | 579310 | 837014 | 0.58% | 0.173% |
| 22 | 14.128 | 1852 | 1860 | 1868 | rVB | 598220 | 870236 | 0.60% | 0.180% |
| 23 | 14.433 | 1906 | 1912 | 1922 | rVB | 331263 | 484861 | 0.34% | 0.100% |
| 24 | 15.433 | 2072 | 2082 | 2092 | rBV | 776974 | 1133844 | 0.79% | 0.235% |
| 25 | 15.539 | 2092 | 2100 | 2109 | rBV | 289006 | 386200 | 0.27% | 0.080% |
| 26 | 17.186 | 2373 | 2380 | 2387 | rBV | 442001 | 617586 | 0.43% | 0.128% |
| 27 | 17.286 | 2390 | 2397 | 2404 | rBV | 925426 | 1290883 | 0.90% | 0.267% |
| 28 | 18.539 | 2601 | 2610 | 2617 | rBV | 320096 | 426875 | 0.30% | 0.088% |
| 29 | 19.527 | 2772 | 2778 | 2784 | rBV | 1250657 | 1653309 | 1.15% | 0.342% |
| 30 | 21.268 | 3070 | 3074 | 3079 | rBV | 648123 | 765596 | 0.53% | 0.158% |
| 31 | 23.439 | 3436 | 3443 | 3451 | rBV | 856102 | 1613624 | 1.12% | 0.334% |
| 32 | 23.586 | 3462 | 3468 | 3478 | rVB2 | 388235 | 762939 | 0.53% | 0.158% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

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_P\METHODS\SOM-EPA-BP012721MA.M
Title : SVOA CALIBRATION

Sum of corrected areas: 483440070

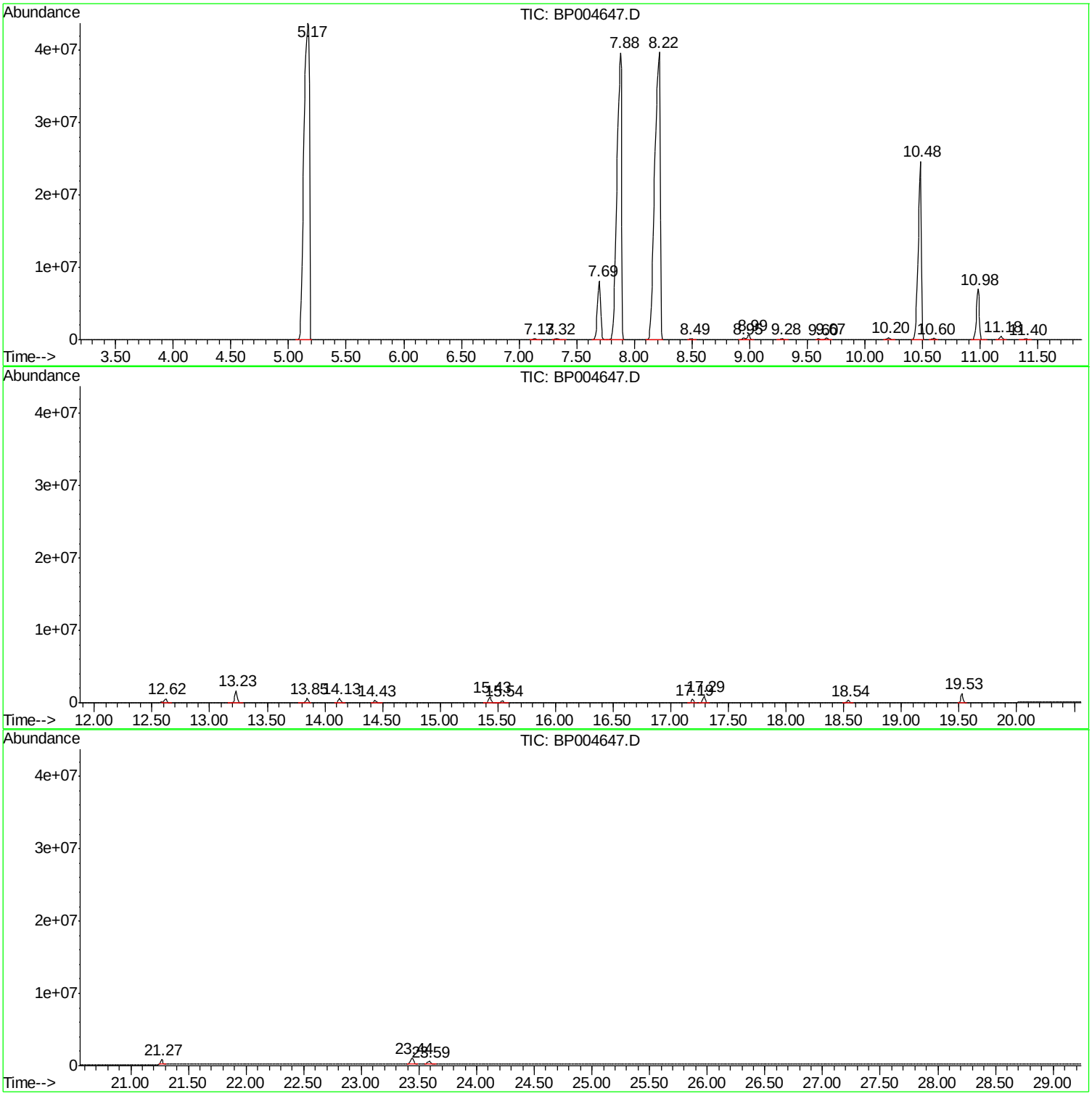
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

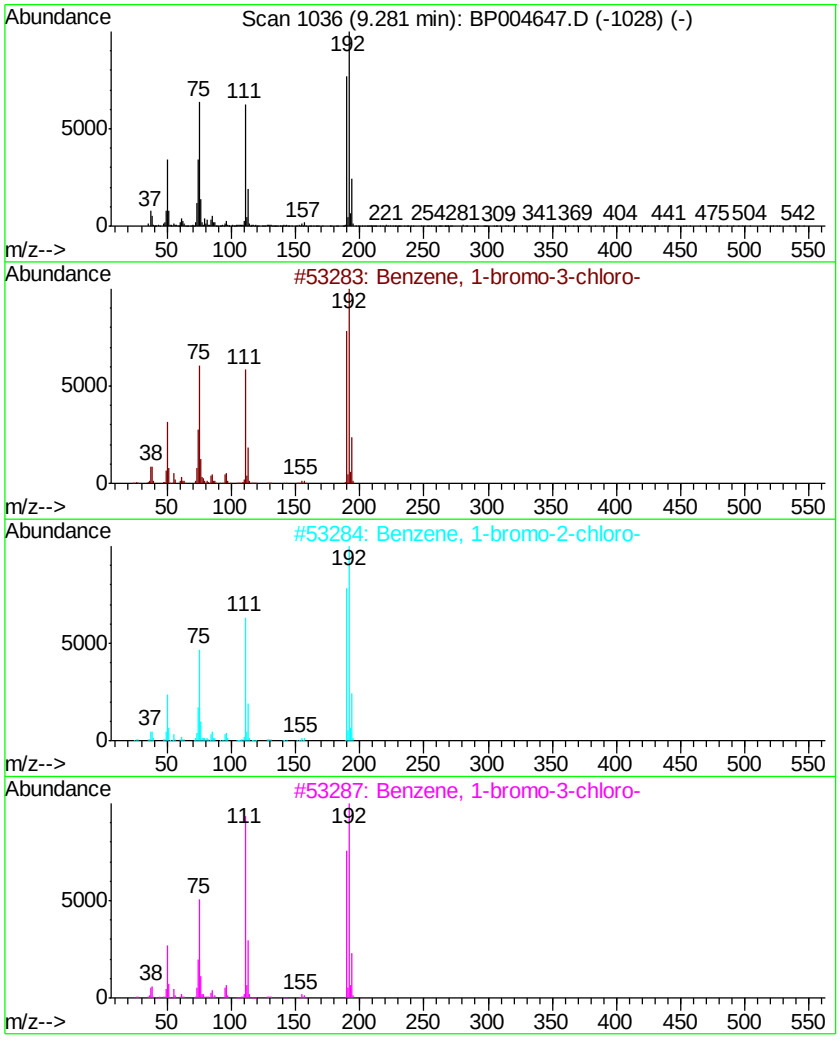
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

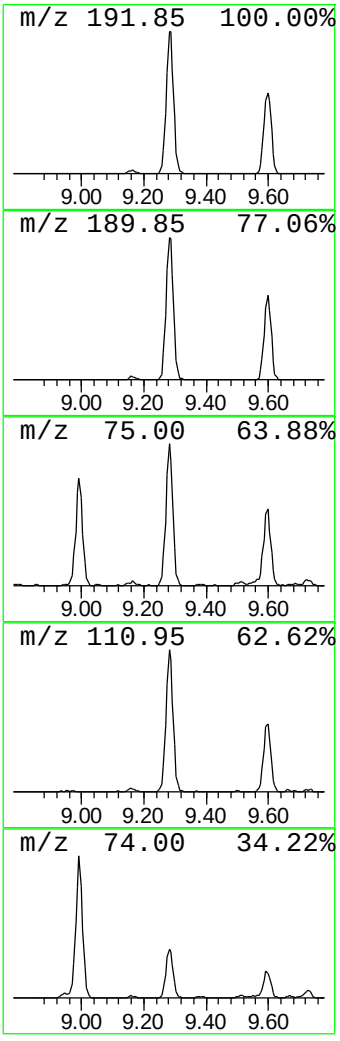
**********

Peak Number 5 Benzene, 1-bromo-3-chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.28 | 16.41 ng/ul | 257336 | Naphthalene-d8 | 10.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 95 |
| 2 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 95 |
| 3 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 94 |
| 4 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 94 |
| 5 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

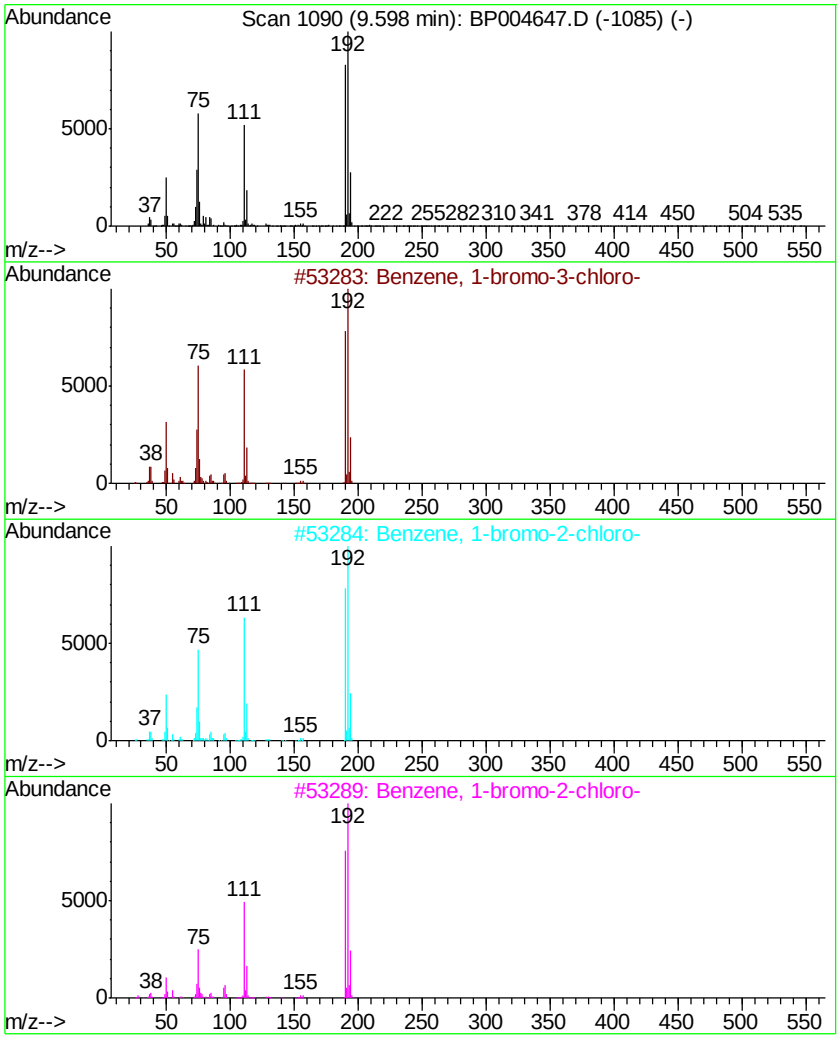
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

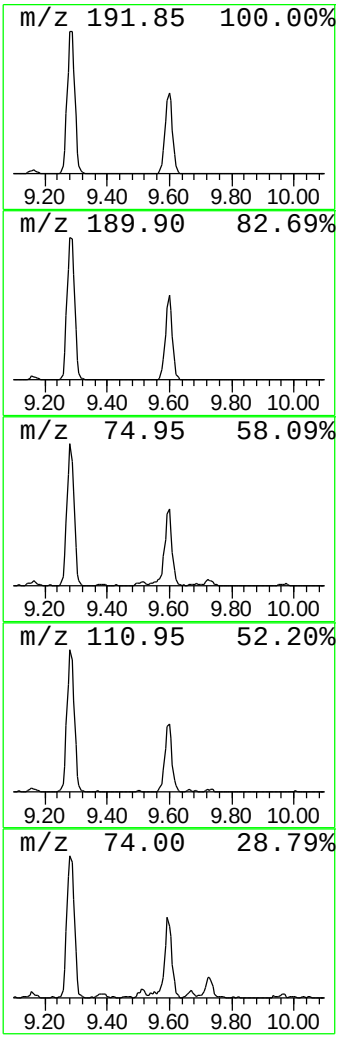
**********

Peak Number 6 Benzene, 1-bromo-2-chloro- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.60 | 9.56 ng/ul | 149920 | Naphthalene-d8 | 10.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 95 |
| 2 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 93 |
| 3 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 93 |
| 4 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 93 |
| 5 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

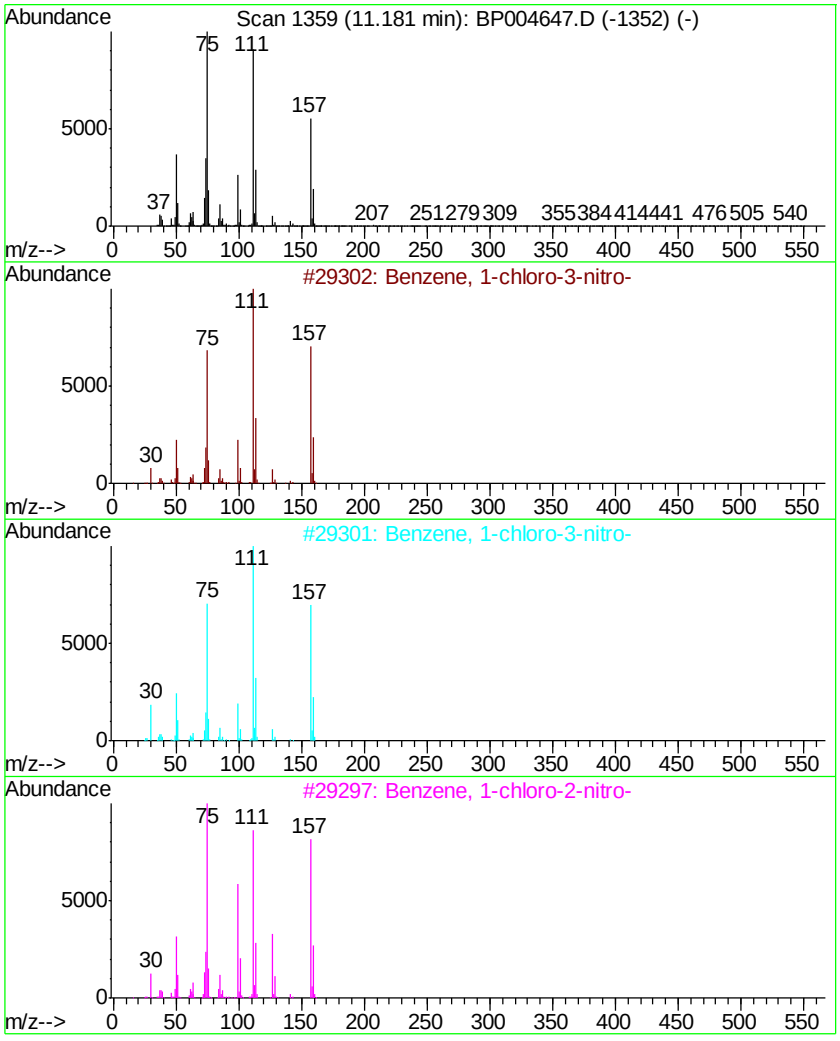
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

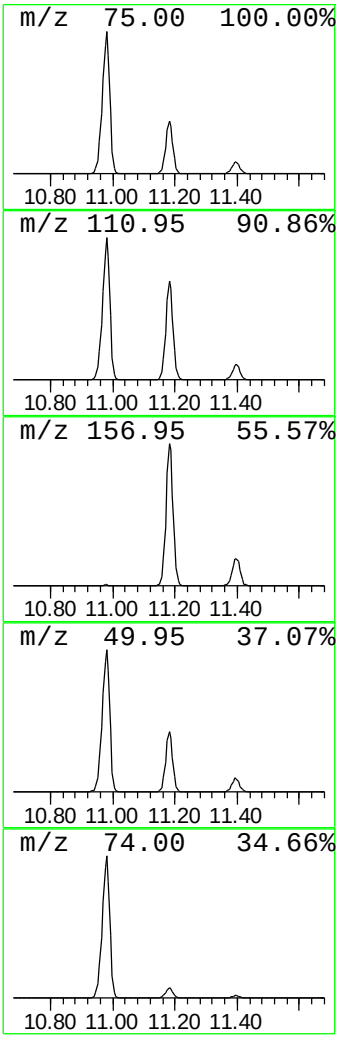
**********

Peak Number 9 Benzene, 1-chloro-3-nitro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.18 | 46.22 ng/ul | 724604 | Naphthalene-d8 | 10.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97 |
| 2 | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 95 |
| 3 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 93 |
| 4 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 93 |
| 5 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

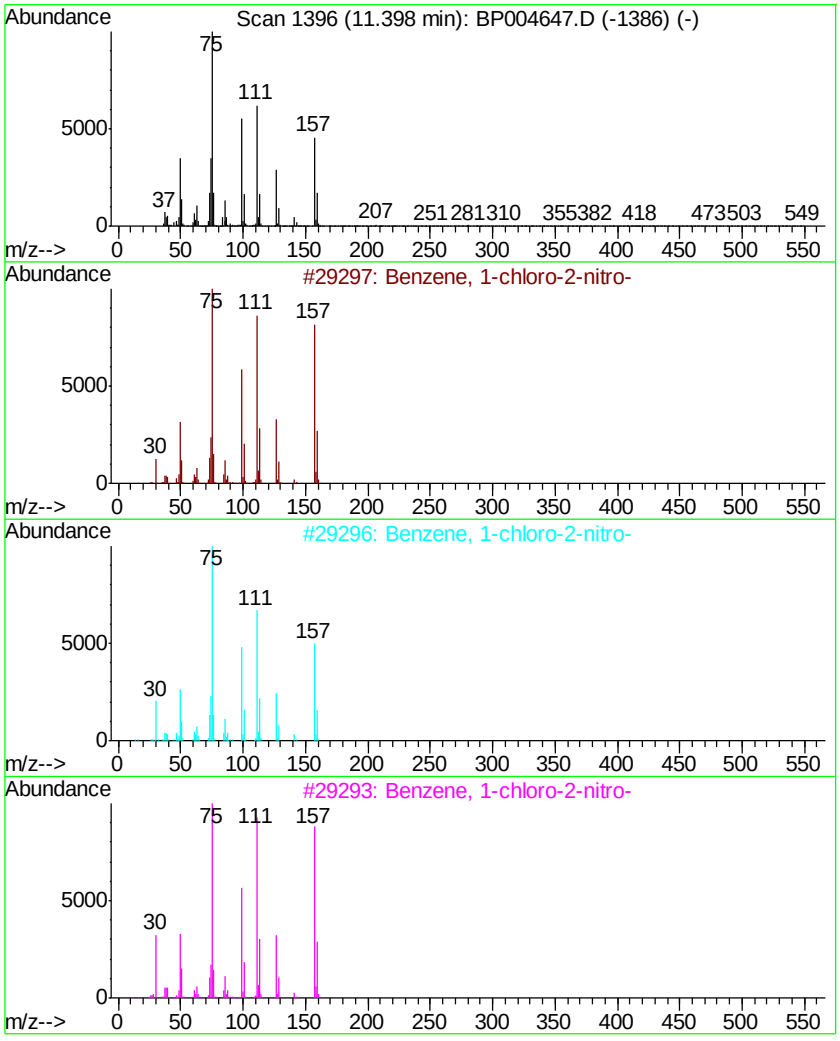
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

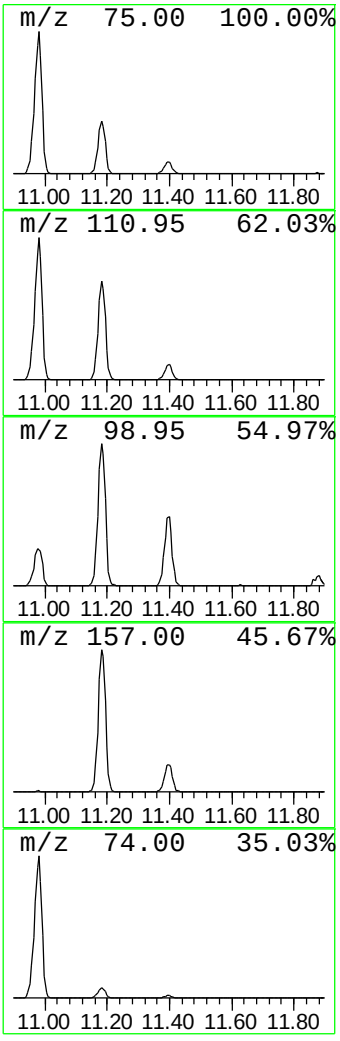
**********

Peak Number 10 Benzene, 1-chloro-2-nitro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.40 | 12.47 ng/ul | 195427 | Naphthalene-d8 | 10.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 94 |
| 2 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 93 |
| 3 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 72 |
| 4 | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 62 |
| 5 | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.M
Quant Title : SVOA CALIBRATION

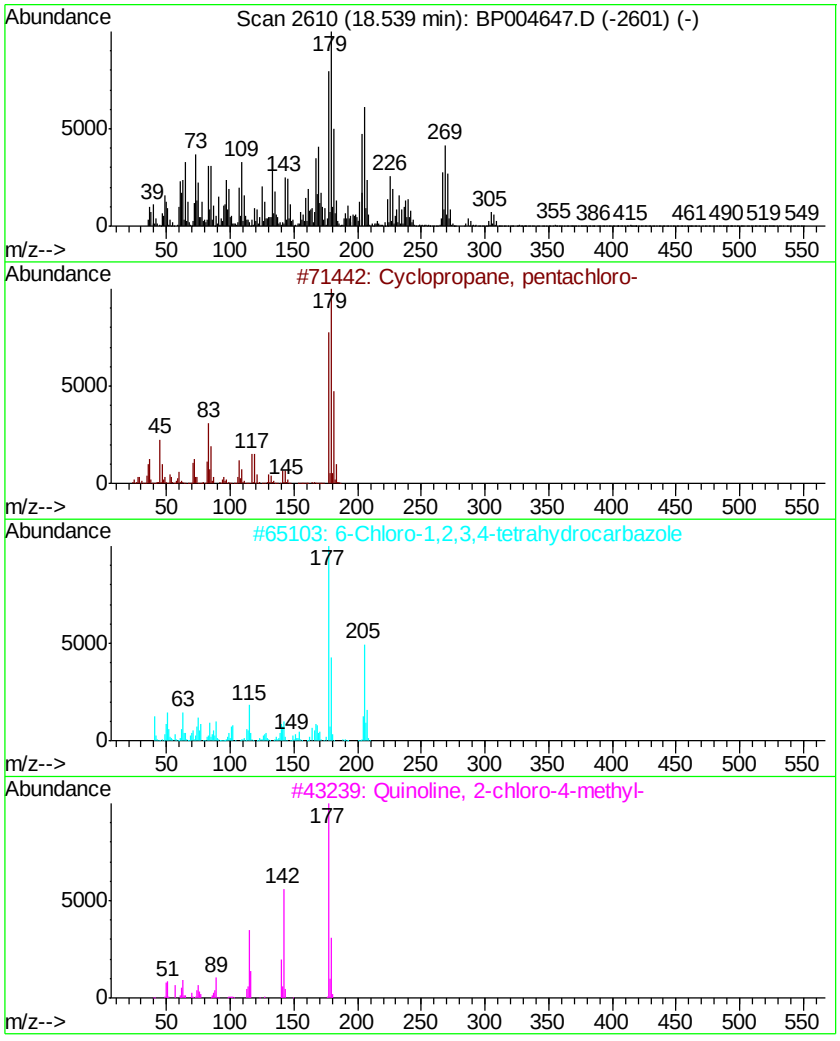
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

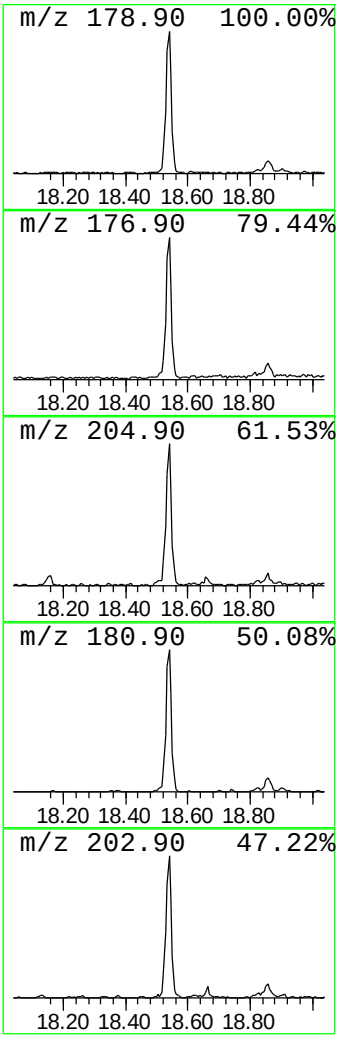
**********

Peak Number 11 unknown-01 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.54 | 13.82 ng/ul | 426875 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, pentachloro- | 212 | C3HCl5 | 006262-51-7 | 35 |
| 2 | 6-Chloro-1,2,3,4-tetrahydrocarba... | 205 | C12H12ClN | 036684-65-8 | 20 |
| 3 | Quinoline, 2-chloro-4-methyl- | 177 | C10H8ClN | 000634-47-9 | 18 |
| 4 | 7-Chloro-4-hydroxyquinoline | 179 | C9H6ClNO | 000086-99-7 | 11 |
| 5 | Pyrido[3,2-d]pyrimidine-2,4(1H,3... | 177 | C8H7N3O2 | 002499-96-9 | 11 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP012721\
Data File : BP004647.D
Acq On : 27 Jan 2021 12:46
Operator : CG/JU
Sample : M1173-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** C0FY6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP012721MA.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 |
| Benzene, 1-bromo-... | 9.28 | 16.4 | ng/ul | 257336 | 2 | 10.60 | 313560 | 20.0 |
| Benzene, 1-bromo-... | 9.60 | 9.6 | ng/ul | 149920 | 2 | 10.60 | 313560 | 20.0 |
| Benzene, 1-chloro... | 11.18 | 46.2 | ng/ul | 724604 | 2 | 10.60 | 313560 | 20.0 |
| Benzene, 1-chloro... | 11.40 | 12.5 | ng/ul | 195427 | 2 | 10.60 | 313560 | 20.0 |
| unknown-01 | 18.54 | 13.8 | ng/ul | 426875 | 4 | 17.19 | 617586 | 20.0 |