

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\  
 Data File : BM019416.D  
 Acq On : 25 Mar 2019 05:36  
 Operator : JU/SJ  
 Sample : K2025-10DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0967DL

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 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<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.951       | 327           | 334         | 354          | rBV      | 4720469        | 6787565       | 33.00%          | 9.171%        |
| 2         | 6.792       | 642           | 647         | 657          | rBV4     | 20755          | 50030         | 0.24%           | 0.068%        |
| 3         | 6.963       | 670           | 676         | 694          | rBV      | 87914          | 171101        | 0.83%           | 0.231%        |
| 4         | 7.139       | 700           | 706         | 718          | rBV2     | 116753         | 229255        | 1.11%           | 0.310%        |
| 5         | 7.492       | 759           | 766         | 776          | rBV      | 2377886        | 3708860       | 18.03%          | 5.011%        |
| 6         | 7.645       | 786           | 792         | 820          | rVB      | 11461084       | 17625660      | 85.70%          | 23.814%       |
| 7         | 7.957       | 836           | 845         | 862          | rBV      | 13171780       | 20566819      | 100.00%         | 27.788%       |
| 8         | 8.328       | 903           | 908         | 920          | rBV2     | 60552          | 124219        | 0.60%           | 0.168%        |
| 9         | 8.775       | 978           | 984         | 986          | rBV      | 127263         | 191988        | 0.93%           | 0.259%        |
| 10        | 8.816       | 986           | 991         | 1003         | rVB      | 791711         | 1377168       | 6.70%           | 1.861%        |
| 11        | 9.104       | 1034          | 1040        | 1047         | rVB4     | 21388          | 42015         | 0.20%           | 0.057%        |
| 12        | 9.492       | 1101          | 1106        | 1116         | rVB      | 86817          | 162385        | 0.79%           | 0.219%        |
| 13        | 10.022      | 1190          | 1196        | 1205         | rBV      | 126908         | 275808        | 1.34%           | 0.373%        |
| 14        | 10.092      | 1205          | 1208        | 1217         | rVV4     | 33127          | 68600         | 0.33%           | 0.093%        |
| 15        | 10.175      | 1217          | 1222        | 1228         | rVV2     | 32926          | 57054         | 0.28%           | 0.077%        |
| 16        | 10.251      | 1228          | 1235        | 1249         | rVV      | 2395383        | 3888611       | 18.91%          | 5.254%        |
| 17        | 10.386      | 1251          | 1258        | 1269         | rVB      | 944723         | 1577251       | 7.67%           | 2.131%        |
| 18        | 10.769      | 1315          | 1323        | 1335         | rBV      | 1047298        | 1765835       | 8.59%           | 2.386%        |
| 19        | 11.010      | 1356          | 1364        | 1387         | rBV      | 284700         | 591462        | 2.88%           | 0.799%        |
| 20        | 11.227      | 1395          | 1401        | 1416         | rBV3     | 48614          | 127819        | 0.62%           | 0.173%        |
| 21        | 12.433      | 1602          | 1606        | 1613         | rVB3     | 14348          | 24551         | 0.12%           | 0.033%        |
| 22        | 13.051      | 1706          | 1711        | 1715         | rBV      | 58584          | 100184        | 0.49%           | 0.135%        |
| 23        | 13.086      | 1715          | 1717        | 1722         | rVB5     | 33086          | 41283         | 0.20%           | 0.056%        |
| 24        | 13.310      | 1747          | 1755        | 1766         | rBV3     | 49565          | 133527        | 0.65%           | 0.180%        |
| 25        | 13.686      | 1813          | 1819        | 1826         | rBV      | 288033         | 438969        | 2.13%           | 0.593%        |
| 26        | 13.957      | 1859          | 1865        | 1876         | rBV      | 346586         | 532576        | 2.59%           | 0.720%        |
| 27        | 14.262      | 1911          | 1917        | 1926         | rBV2     | 1371697        | 2080284       | 10.11%          | 2.811%        |
| 28        | 15.262      | 2080          | 2087        | 2098         | rBV      | 452026         | 698464        | 3.40%           | 0.944%        |
| 29        | 15.415      | 2107          | 2113        | 2121         | rBV2     | 45927          | 86432         | 0.42%           | 0.117%        |
| 30        | 17.021      | 2379          | 2386        | 2397         | rBV      | 1686134        | 2391383       | 11.63%          | 3.231%        |
| 31        | 17.121      | 2397          | 2403        | 2415         | rVB      | 486600         | 748664        | 3.64%           | 1.012%        |
| 32        | 17.915      | 2533          | 2538        | 2543         | rBV4     | 25503          | 40609         | 0.20%           | 0.055%        |
| 33        | 19.203      | 2754          | 2757        | 2762         | rBV3     | 28908          | 36862         | 0.18%           | 0.050%        |
| 34        | 19.427      | 2789          | 2795        | 2801         | rBV      | 632565         | 900564        | 4.38%           | 1.217%        |

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Sample : K2025-10DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0967DL

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0

Filtering: 5  
Min Area: 0.1 % of largest Peak  
Max Peaks: 100  
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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 21.227 | 3096 | 3101 | 3106 | rBV  | 2012362 | 2561567 | 12.45% | 3.461% |
| 36 | 23.297 | 3448 | 3453 | 3460 | rBV  | 549232  | 956291  | 4.65%  | 1.292% |
| 37 | 23.444 | 3472 | 3478 | 3489 | rVB2 | 1456791 | 2851140 | 13.86% | 3.852% |

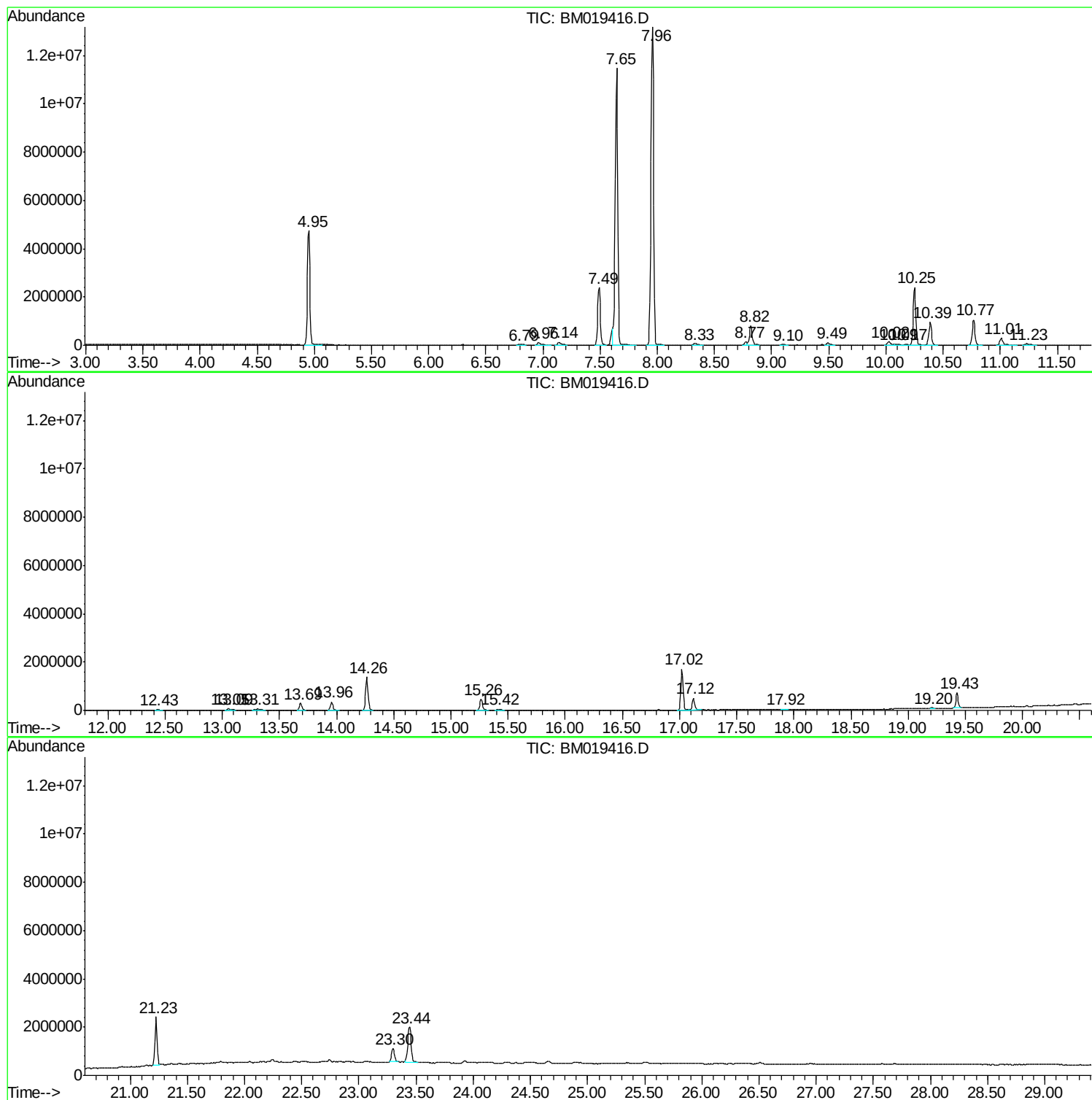
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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



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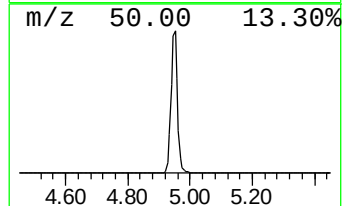
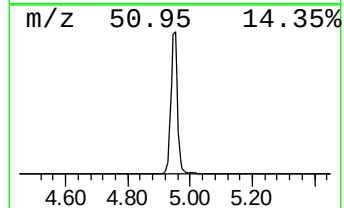
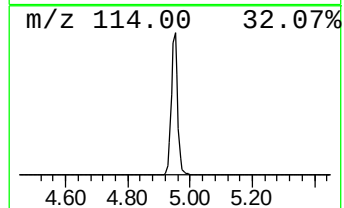
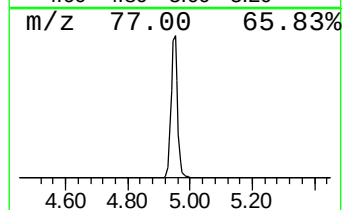
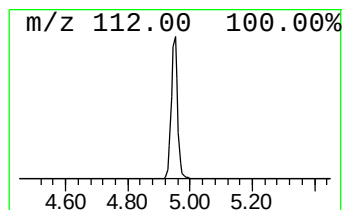
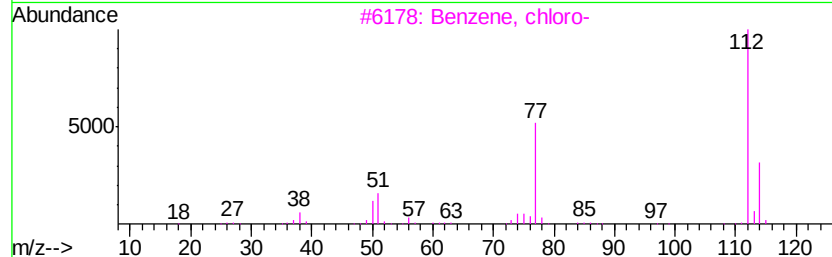
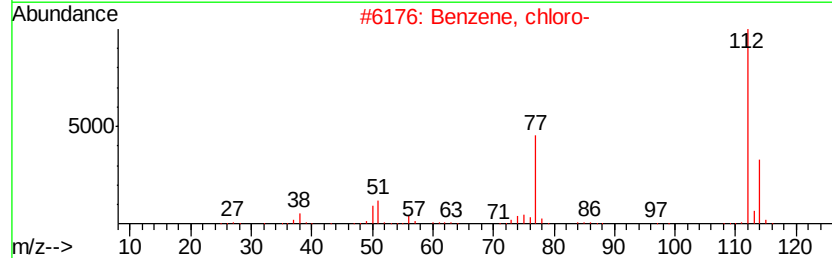
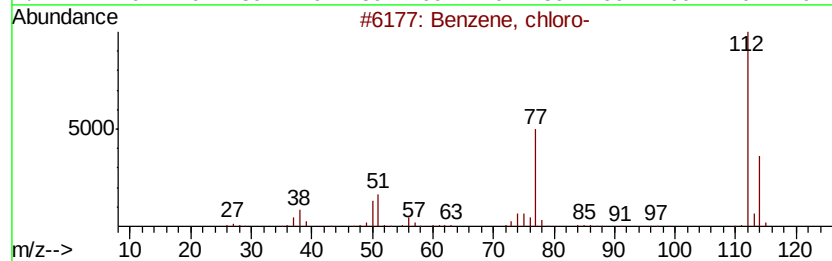
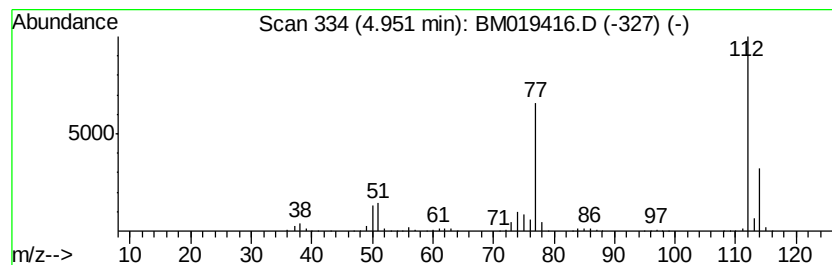
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Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Benzene, chloro- Concentration Rank 4

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T. |
|------|------------|---------|------------------------|------|
| 4.95 | 7.70 ng/ul | 6787570 | 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 | 91   |
| 5    |    |   | Phenol, 3-fluoro- | 112 | C6H5FO  | 000372-20-3 | 35   |



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

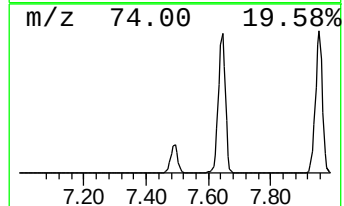
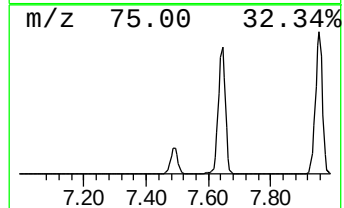
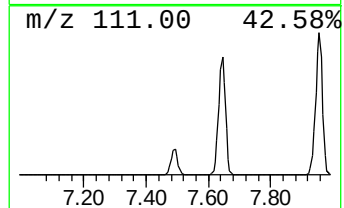
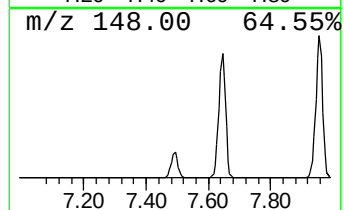
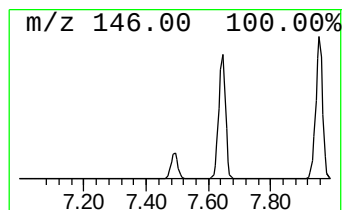
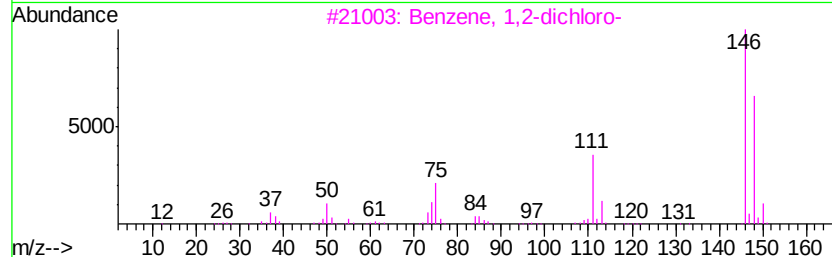
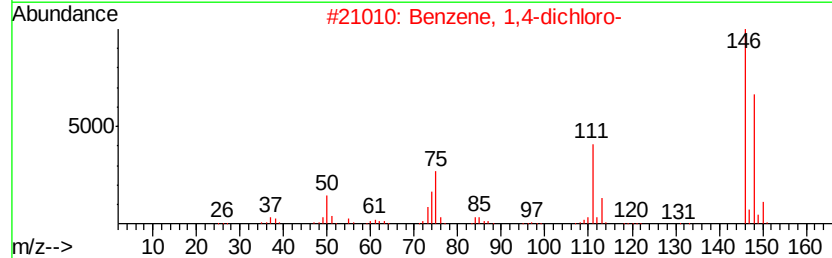
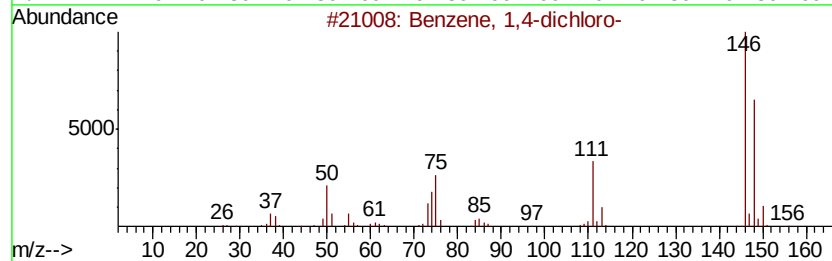
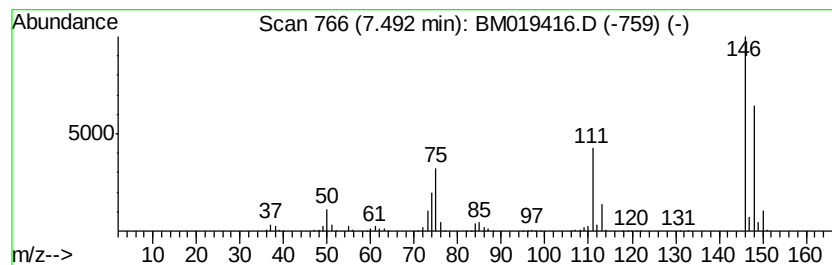
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T. |
|------|------------|---------|------------------------|------|
| 7.49 | 4.21 ng/ul | 3708860 | 1,4-Dichlorobenzene-d4 | 7.60 |

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



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Sample : K2025-10DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0967DL

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

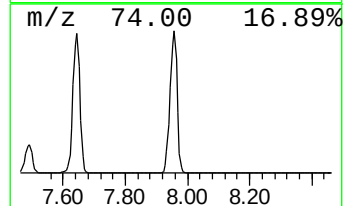
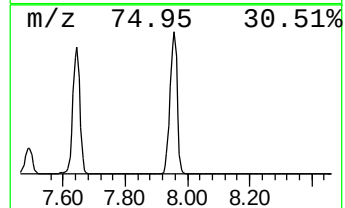
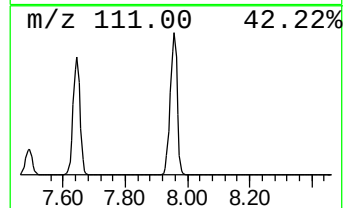
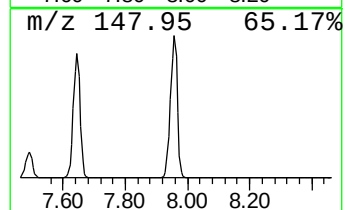
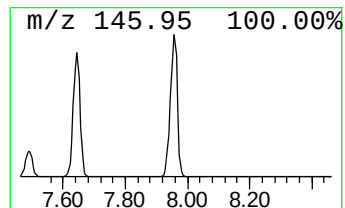
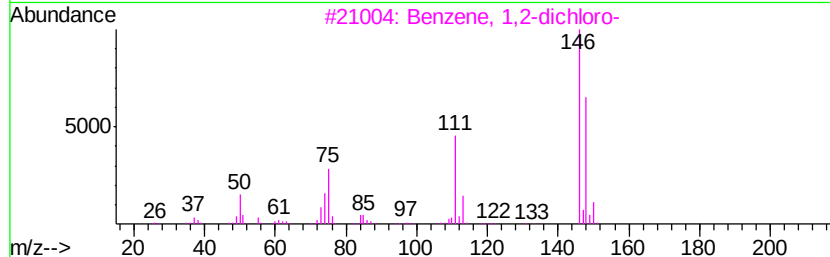
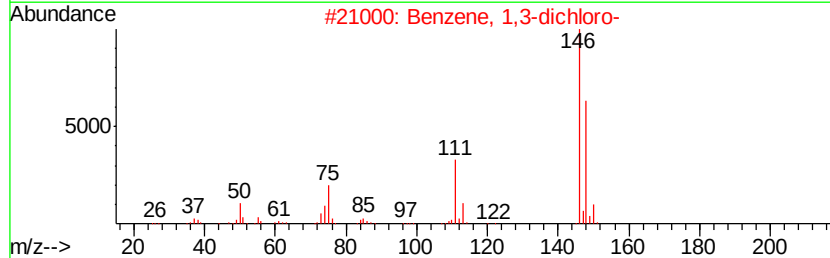
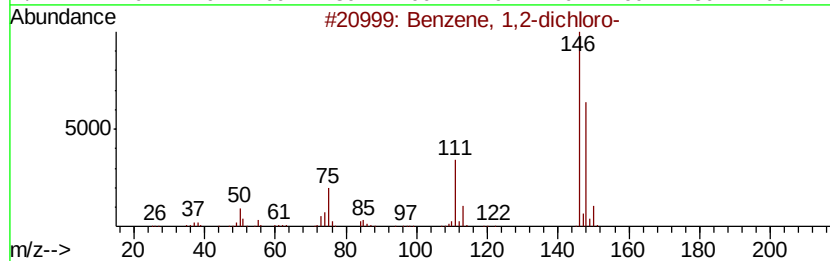
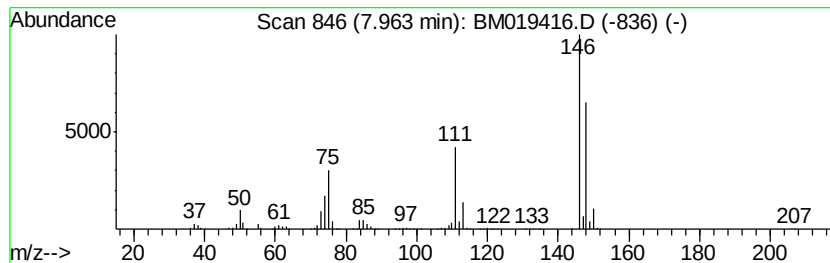
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area     | Relative to ISTD       | R.T. |
|------|-------------|----------|------------------------|------|
| 7.96 | 23.34 ng/ul | 20566800 | 1,4-Dichlorobenzene-d4 | 7.60 |

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



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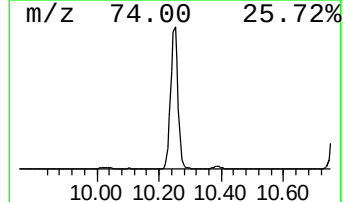
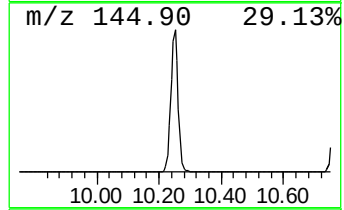
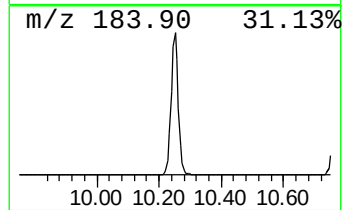
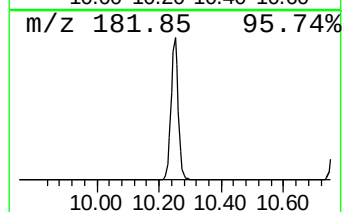
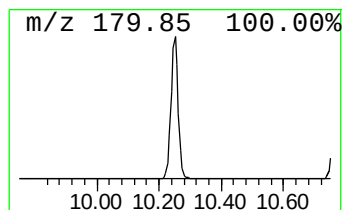
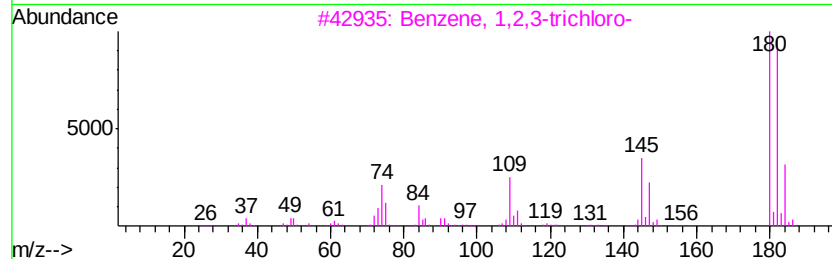
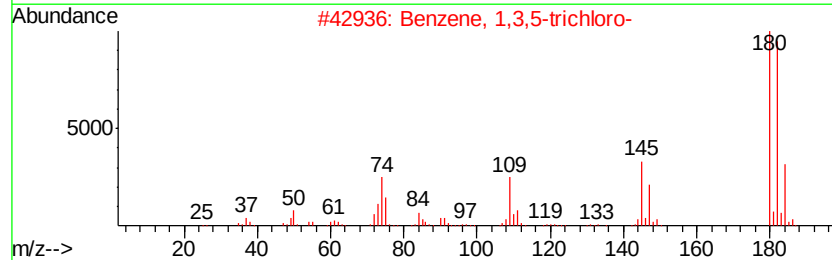
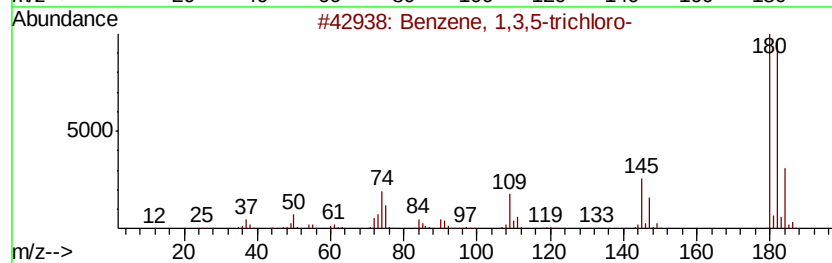
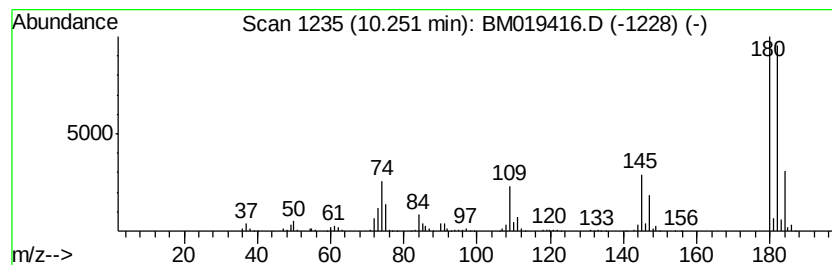
Instrument :  
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 10.25   | 49.31 ng/ul               | 3888610      | Napthalene-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        |



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C0967DL

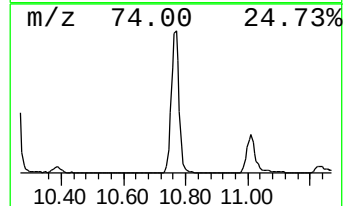
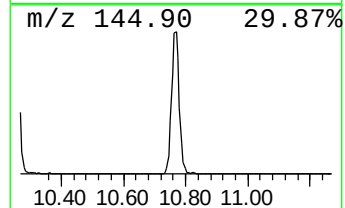
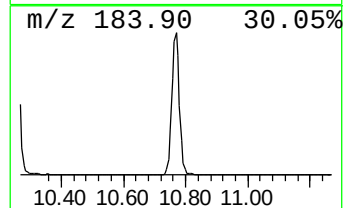
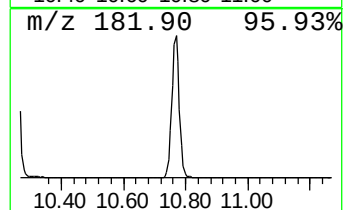
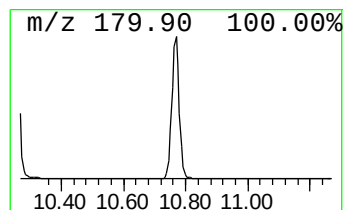
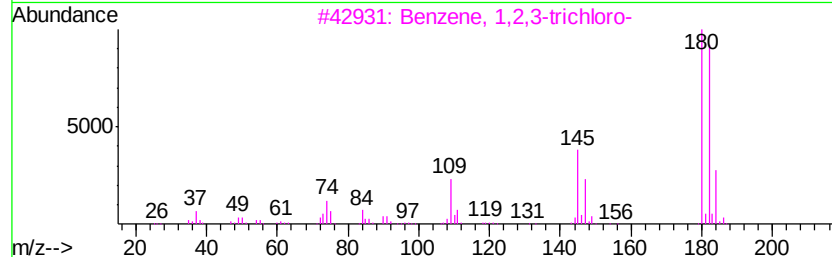
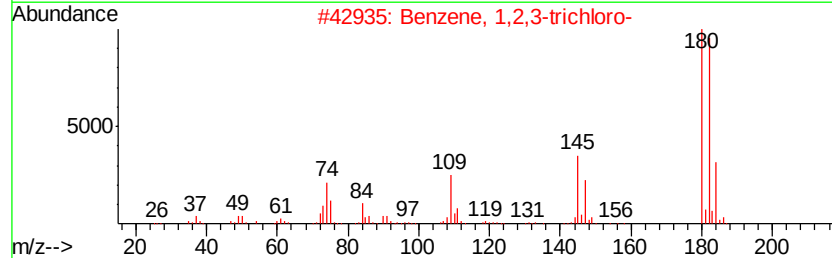
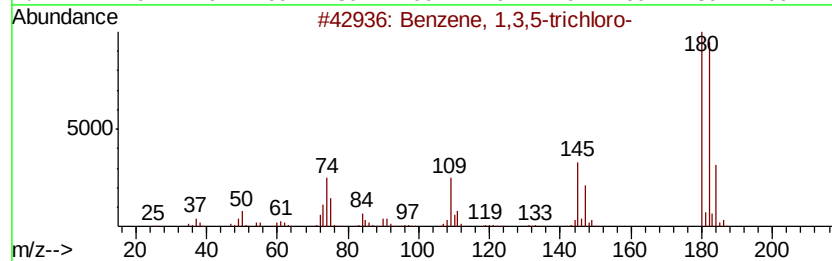
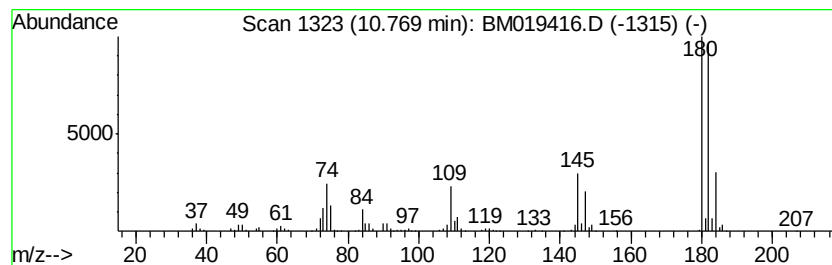
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Quant Title : SVOA CALIBRATION

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

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

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 10.77 | 22.39 ng/ul | 1765840 | Naphthalene-d8   | 10.39 |

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\  
Data File : BM019416.D  
Acq On : 25 Mar 2019 05:36  
Operator : JU/SJ  
Sample : K2025-10DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0967DL

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

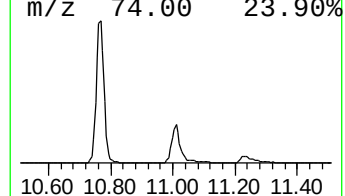
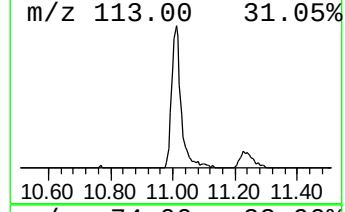
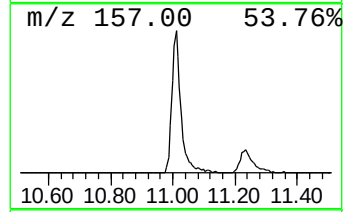
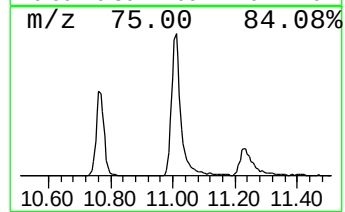
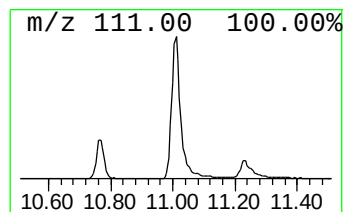
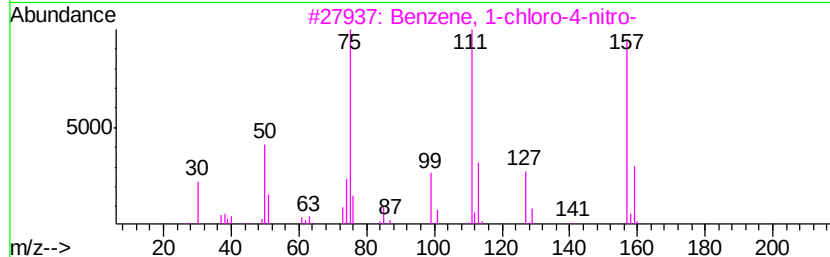
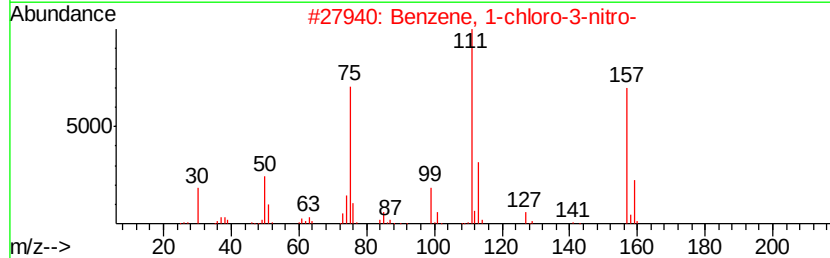
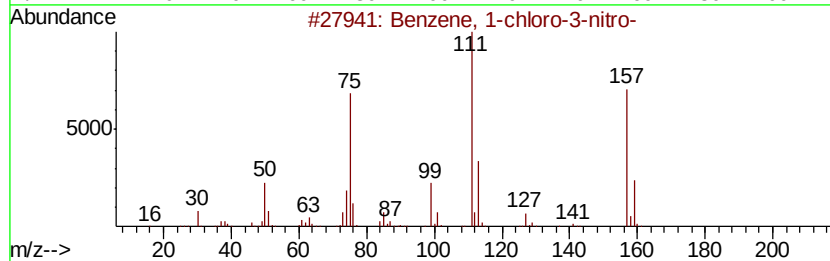
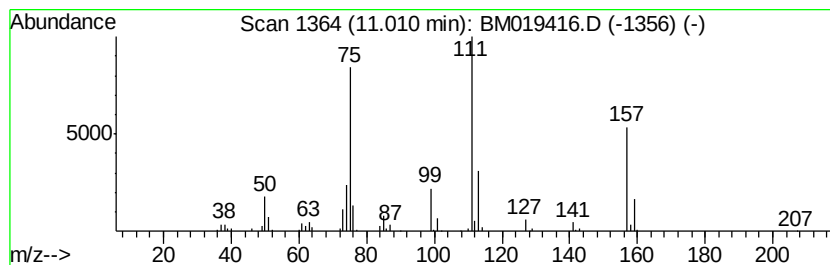
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-chloro-3-nitro- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.01 | 7.50 ng/ul | 591462 | Naphthalene-d8   | 10.39 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | 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-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94   |
| 4    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 93   |
| 5    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032419\  
Data File : BM019416.D  
Acq On : 25 Mar 2019 05:36  
Operator : JU/SJ  
Sample : K2025-10DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0967DL

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |          |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|----------|------|
|                      |       |         |       |          | #                     | RT    | Resp     | Conc |
| Benzene, chloro-     | 4.95  | 7.7     | ng/ul | 6787570  | 1                     | 7.60  | 17625700 | 20.0 |
| Benzene, 1,4-dich... | 7.49  | 4.2     | ng/ul | 3708860  | 1                     | 7.60  | 17625700 | 20.0 |
| Benzene, 1,2-dich... | 7.96  | 23.3    | ng/ul | 20566800 | 1                     | 7.60  | 17625700 | 20.0 |
| Benzene, 1,3,5-tr... | 10.25 | 49.3    | ng/ul | 3888610  | 2                     | 10.39 | 1577250  | 20.0 |
| Benzene, 1,2,3-tr... | 10.77 | 22.4    | ng/ul | 1765840  | 2                     | 10.39 | 1577250  | 20.0 |
| Benzene, 1-chloro... | 11.01 | 7.5     | ng/ul | 591462   | 2                     | 10.39 | 1577250  | 20.0 |