

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
 Data File : BN005774.D  
 Acq On : 19 May 2019 04:00  
 Operator : JU/SJ  
 Sample : K2742-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0C31

## 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\_N\METHODS\SOM-EPA-BN051819MA.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         | 5.034       | 328           | 348         | 352          | RBV3     | 36570223       | 176398279     | 95.04%          | 25.528%       |
| 2         | 6.281       | 555           | 560         | 569          | rVB      | 105445         | 190916        | 0.10%           | 0.028%        |
| 3         | 6.934       | 665           | 671         | 680          | rVB      | 244879         | 471590        | 0.25%           | 0.068%        |
| 4         | 7.122       | 697           | 703         | 715          | rVB      | 302242         | 611125        | 0.33%           | 0.088%        |
| 5         | 7.481       | 753           | 764         | 775          | rBV      | 11893600       | 32149416      | 17.32%          | 4.653%        |
| 6         | 7.687       | 776           | 799         | 803          | RBV2     | 34766333       | 153145802     | 82.51%          | 22.163%       |
| 7         | 8.028       | 833           | 857         | 861          | RBV2     | 35426726       | 185608923     | 100.00%         | 26.861%       |
| 8         | 8.293       | 896           | 902         | 914          | rBV      | 241762         | 468606        | 0.25%           | 0.068%        |
| 9         | 8.722       | 969           | 975         | 978          | rBV      | 460940         | 763859        | 0.41%           | 0.111%        |
| 10        | 8.775       | 978           | 984         | 997          | rVB      | 2280652        | 3859977       | 2.08%           | 0.559%        |
| 11        | 9.051       | 1025          | 1031        | 1044         | rVB      | 304058         | 498122        | 0.27%           | 0.072%        |
| 12        | 9.363       | 1079          | 1084        | 1091         | rVV      | 165030         | 303675        | 0.16%           | 0.044%        |
| 13        | 9.440       | 1091          | 1097        | 1112         | rVB      | 397728         | 799169        | 0.43%           | 0.116%        |
| 14        | 9.981       | 1182          | 1189        | 1199         | rBV      | 529251         | 956522        | 0.52%           | 0.138%        |
| 15        | 10.246      | 1219          | 1234        | 1239         | rBV      | 27112231       | 70734927      | 38.11%          | 10.237%       |
| 16        | 10.351      | 1246          | 1252        | 1257         | rVB      | 597757         | 897281        | 0.48%           | 0.130%        |
| 17        | 10.734      | 1307          | 1317        | 1331         | rBV      | 12456942       | 23183498      | 12.49%          | 3.355%        |
| 18        | 10.945      | 1345          | 1353        | 1369         | rVB      | 1901632        | 3265954       | 1.76%           | 0.473%        |
| 19        | 11.157      | 1383          | 1389        | 1405         | rVB      | 341572         | 797575        | 0.43%           | 0.115%        |
| 20        | 12.351      | 1586          | 1592        | 1593         | RBV3     | 221029         | 299957        | 0.16%           | 0.043%        |
| 21        | 12.387      | 1593          | 1598        | 1607         | rVB      | 1149446        | 1908853       | 1.03%           | 0.276%        |
| 22        | 13.004      | 1695          | 1703        | 1716         | rBV      | 3625153        | 5773440       | 3.11%           | 0.836%        |
| 23        | 13.628      | 1802          | 1809        | 1816         | rBV      | 1113351        | 1625368       | 0.88%           | 0.235%        |
| 24        | 13.898      | 1846          | 1855        | 1865         | rBV      | 1259705        | 1912394       | 1.03%           | 0.277%        |
| 25        | 14.210      | 1901          | 1908        | 1918         | RBV2     | 812531         | 1264704       | 0.68%           | 0.183%        |
| 26        | 14.545      | 1961          | 1965        | 1976         | rVB      | 128649         | 207305        | 0.11%           | 0.030%        |
| 27        | 15.210      | 2072          | 2078        | 2094         | rBV      | 1565825        | 2373164       | 1.28%           | 0.343%        |
| 28        | 15.375      | 2100          | 2106        | 2117         | rBV      | 428099         | 778361        | 0.42%           | 0.113%        |
| 29        | 16.969      | 2371          | 2377        | 2387         | rBV      | 1181469        | 1653688       | 0.89%           | 0.239%        |
| 30        | 17.069      | 2387          | 2394        | 2407         | rVV2     | 1765979        | 2755022       | 1.48%           | 0.399%        |
| 31        | 18.351      | 2601          | 2612        | 2621         | rBV      | 1212967        | 1784466       | 0.96%           | 0.258%        |
| 32        | 19.386      | 2781          | 2788        | 2799         | rBV      | 2482665        | 3536961       | 1.91%           | 0.512%        |
| 33        | 21.204      | 3092          | 3097        | 3109         | rBV      | 1553939        | 2331812       | 1.26%           | 0.337%        |
| 34        | 23.274      | 3442          | 3449        | 3464         | RBV2     | 2200153        | 4335264       | 2.34%           | 0.627%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

## 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\_N\METHODS\SOM-EPA-BN051819MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |       |        |
|----|--------|------|------|------|------|---------|---------|-------|--------|
| 35 | 23.415 | 3465 | 3473 | 3487 | rVB  | 1199896 | 2500559 | 1.35% | 0.362% |
| 36 | 23.627 | 3504 | 3509 | 3516 | rVB  | 112967  | 206177  | 0.11% | 0.030% |
| 37 | 23.921 | 3554 | 3559 | 3565 | rBV  | 130517  | 223033  | 0.12% | 0.032% |
| 38 | 24.639 | 3676 | 3681 | 3688 | rVB  | 111102  | 230317  | 0.12% | 0.033% |
| 39 | 25.474 | 3819 | 3823 | 3832 | rVB2 | 88166   | 199903  | 0.11% | 0.029% |

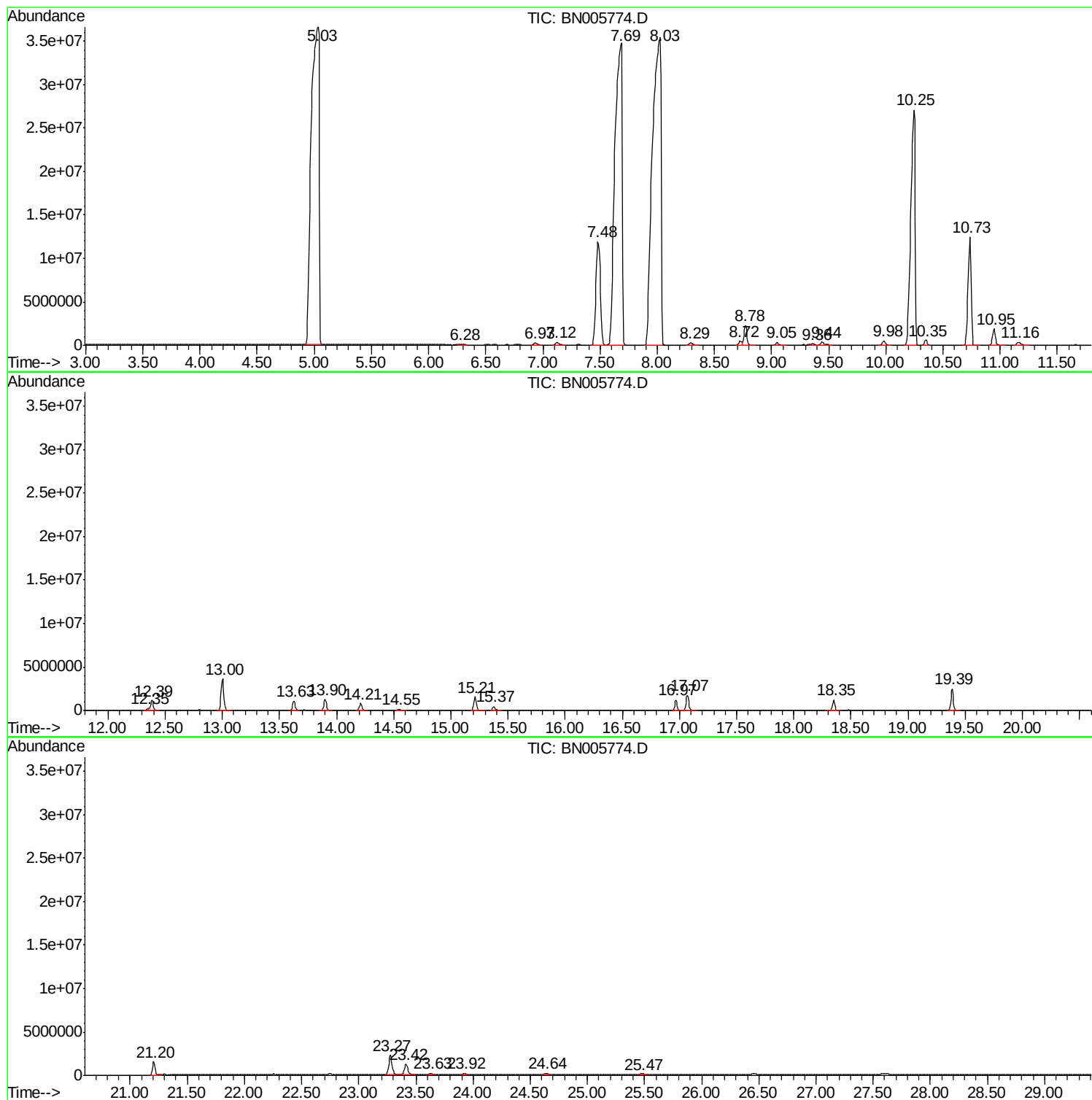
Sum of corrected areas: 691005964

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

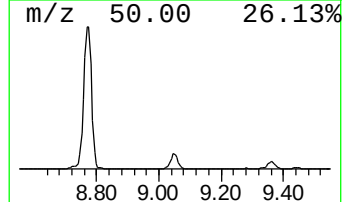
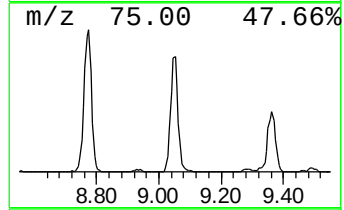
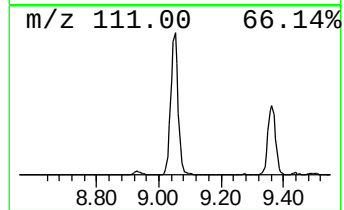
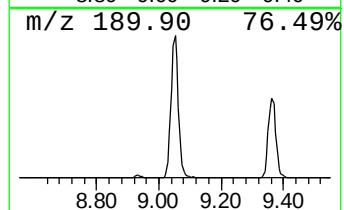
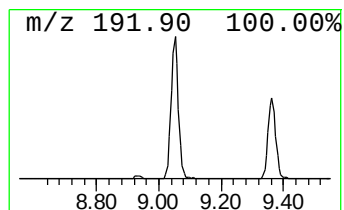
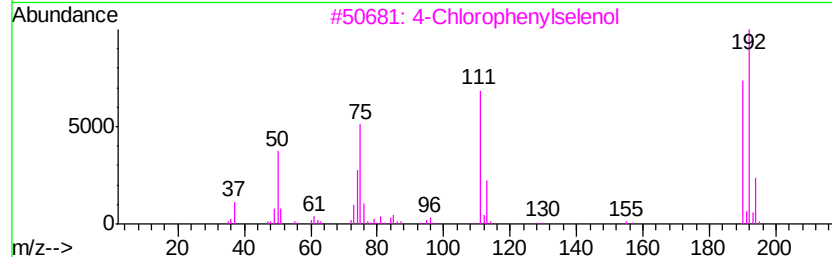
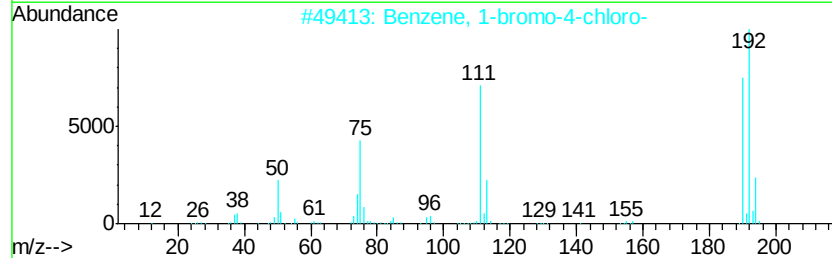
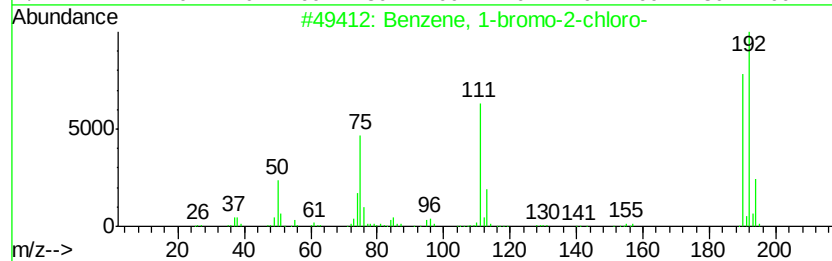
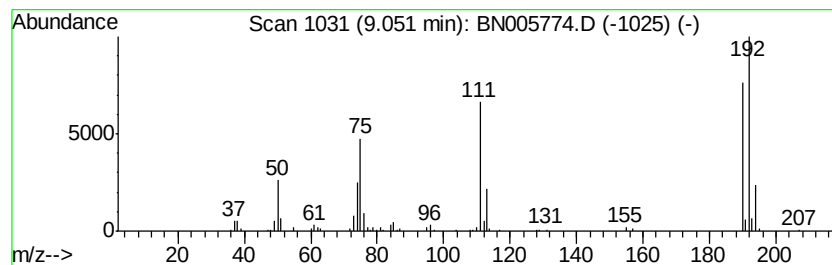
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1-bromo-2-chloro- Concentration Rank 9

| R.T. | EstConc     | Area   | Relative to ISTD | R.T.  |
|------|-------------|--------|------------------|-------|
| 9.05 | 11.10 ng/ul | 498122 | Napthalene-d8    | 10.35 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98   |
| 2    |    | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98   |
| 3    |    | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 96   |
| 4    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 95   |
| 5    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

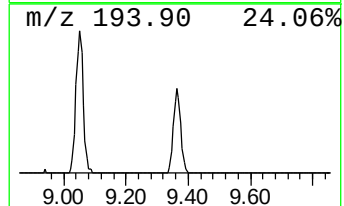
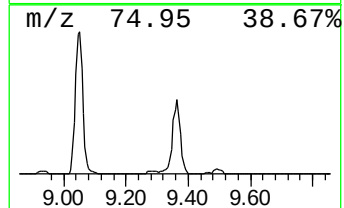
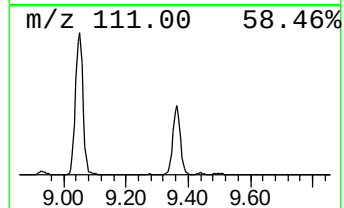
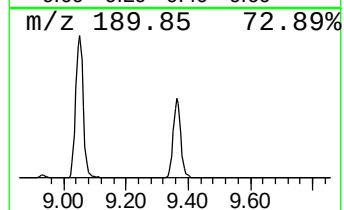
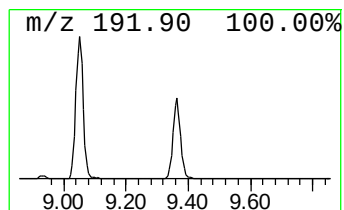
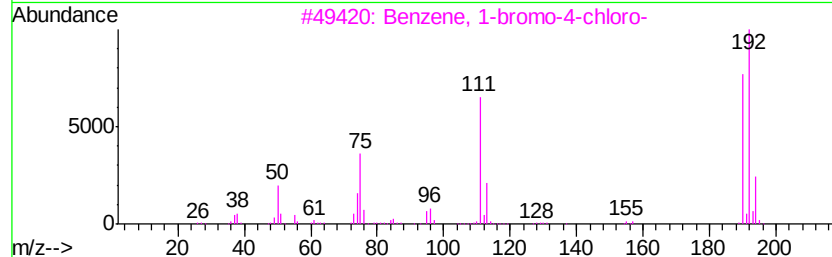
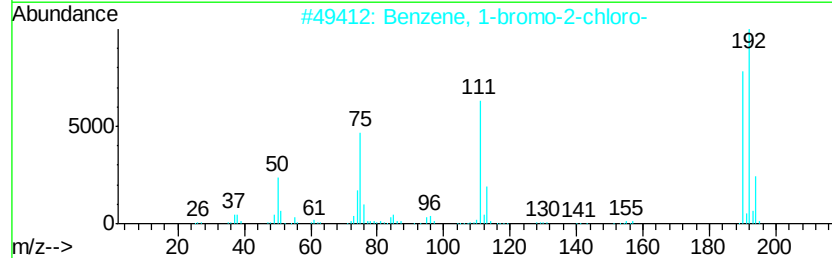
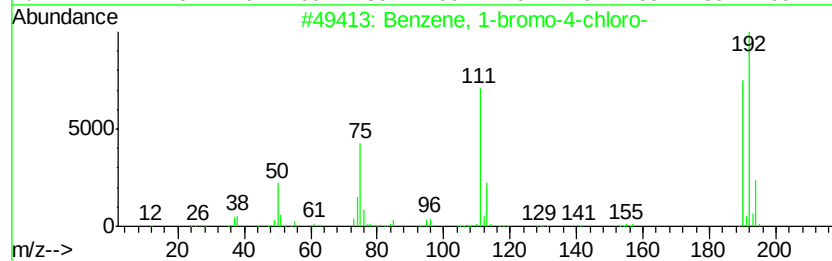
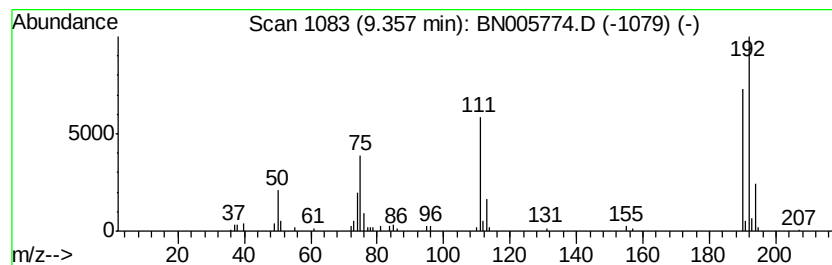
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1-bromo-4-chloro- Concentration Rank 10

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.36 | 6.77 ng/ul | 303675 | Napthalene-d8    | 10.35 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 96   |
| 2    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 95   |
| 3    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 95   |
| 4    |    |   | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 95   |
| 5    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

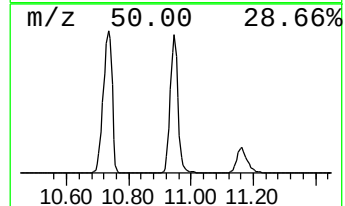
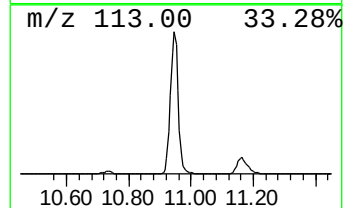
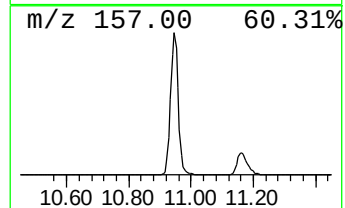
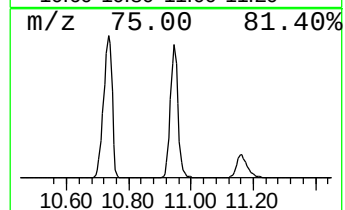
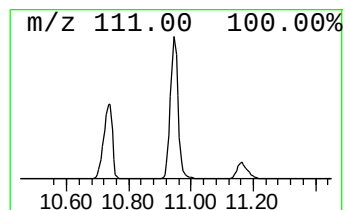
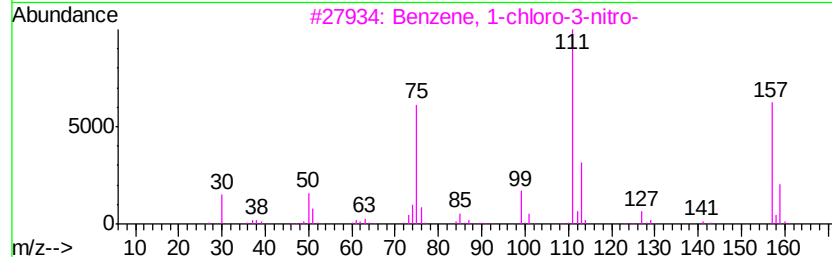
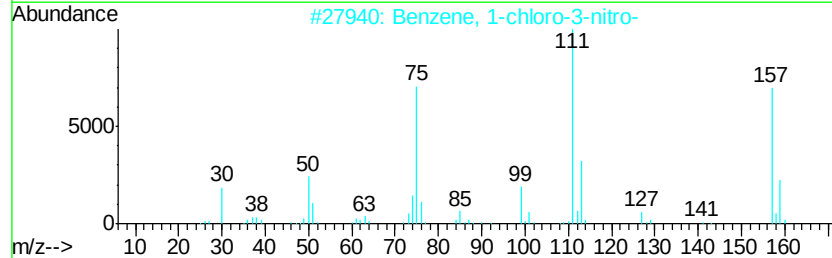
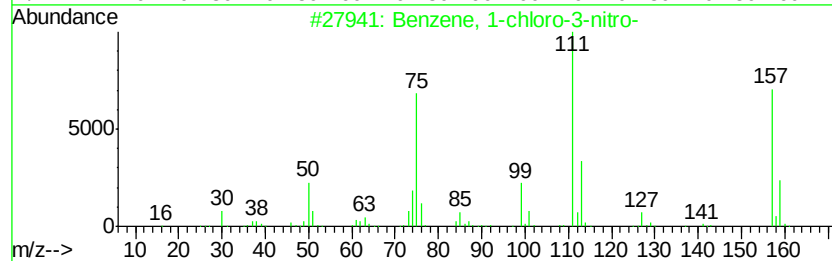
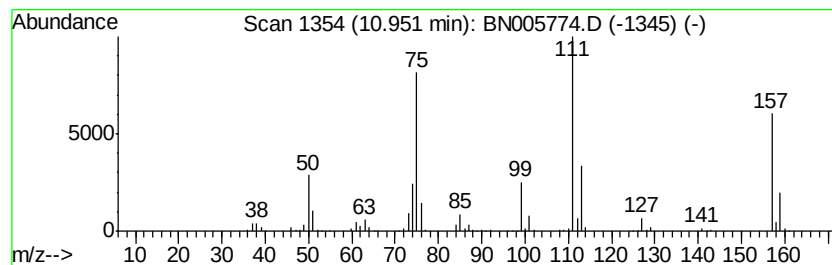
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.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.  |
|-------|-------------|---------|------------------|-------|
| 10.95 | 72.80 ng/ul | 3265950 | Naphthalene-d8   | 10.35 |

| 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-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 94   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

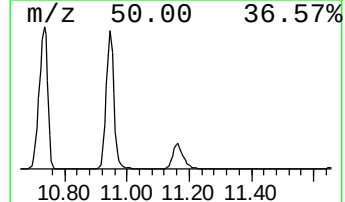
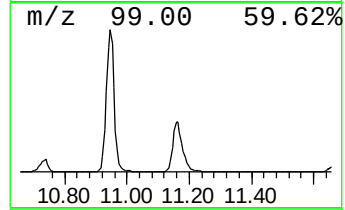
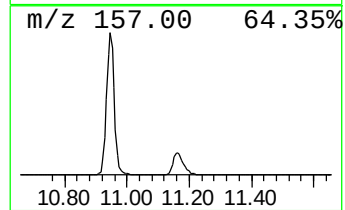
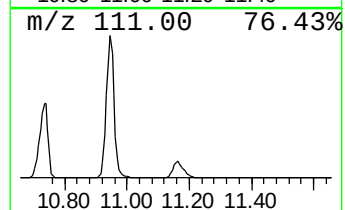
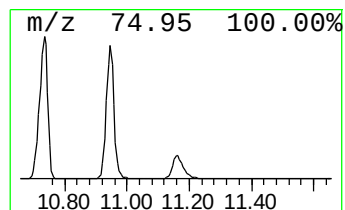
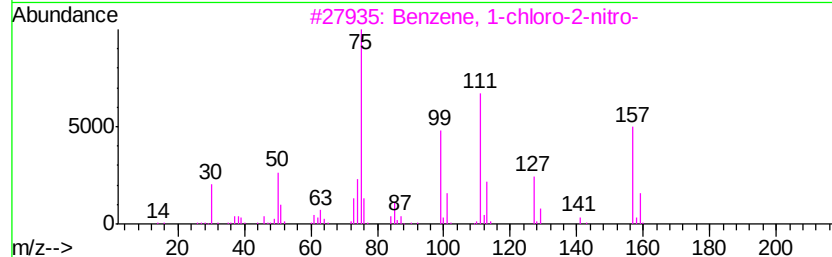
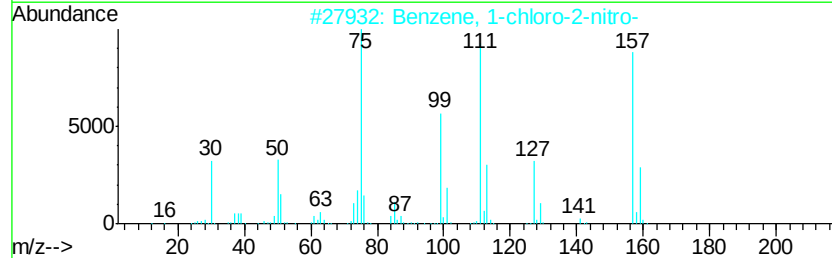
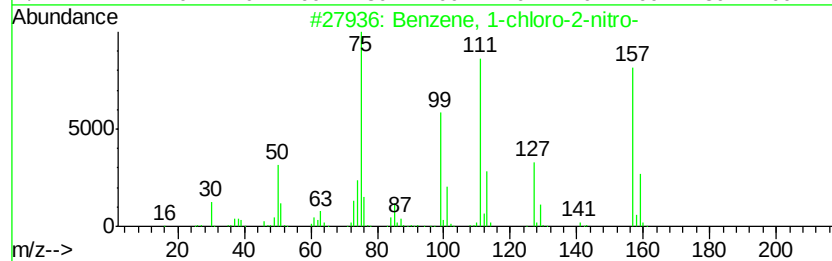
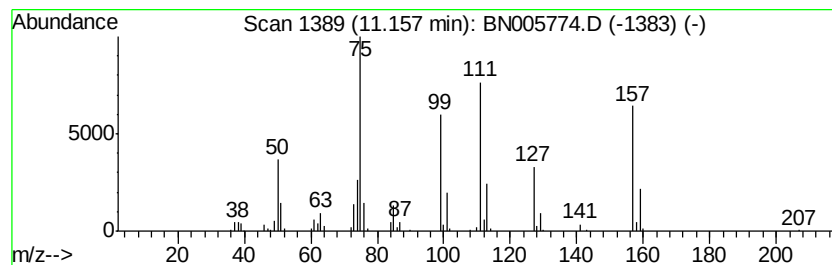
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-chloro-2-nitro- Concentration Rank 8

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 11.16 | 17.78 ng/ul | 797575 | Napthalene-d8    | 10.35 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | 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 | 97   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 97   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

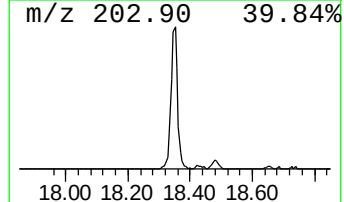
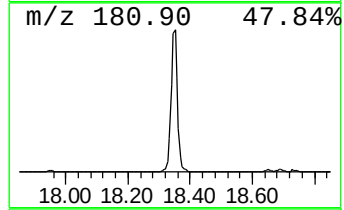
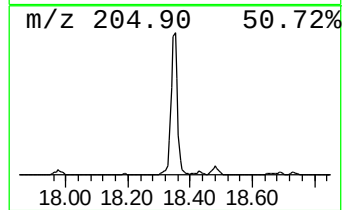
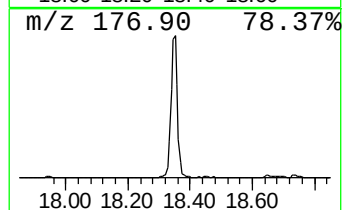
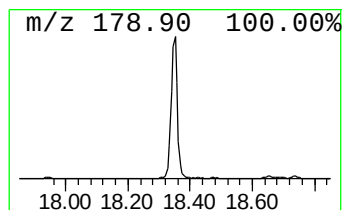
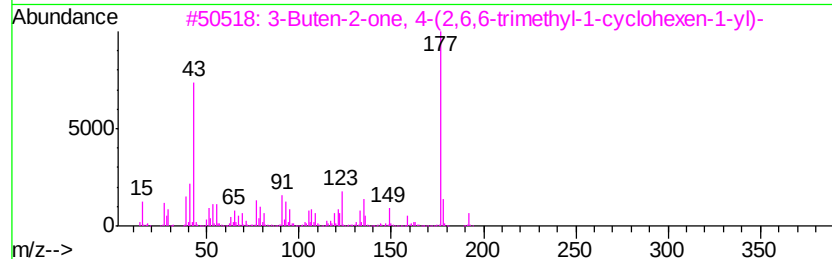
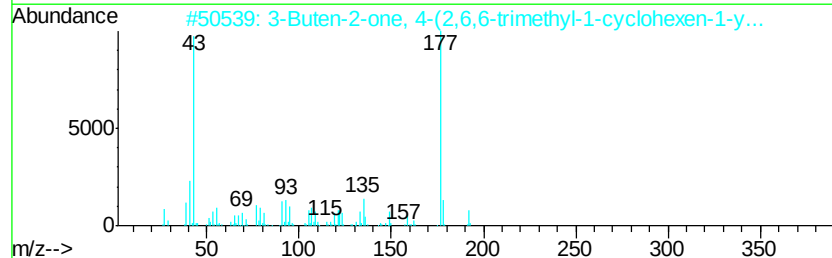
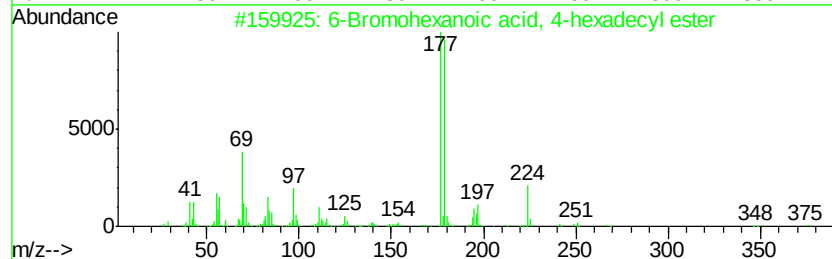
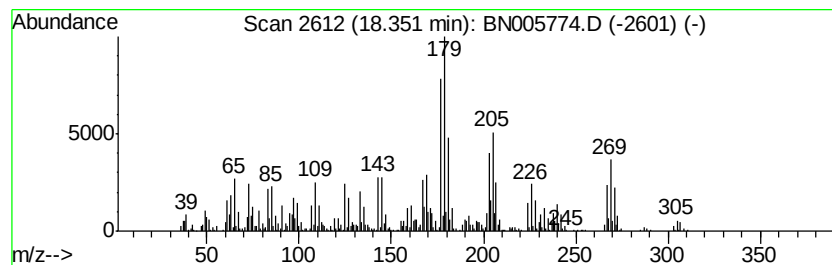
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown-01 Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 18.35 | 21.58 ng/ul | 1784470 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 6-Bromohexanoic acid, 4-hexadecy... | 418 | C22H43BrO2 | 1000282-90-6 | 35   |
| 2    |    | 3-Buten-2-one, 4-(2,6,6-trimethy... | 192 | C13H20O    | 000079-77-6  | 15   |
| 3    |    | 3-Buten-2-one, 4-(2,6,6-trimethy... | 192 | C13H20O    | 014901-07-6  | 15   |
| 4    |    | 3-Buten-2-one, 4-(2,6,6-trimethy... | 192 | C13H20O    | 014901-07-6  | 15   |
| 5    |    | 5-Chloro-4-methyl-8-quinolinecar... | 205 | C11H8ClNO  | 028662-47-7  | 14   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
Data File : BN005774.D  
Acq On : 19 May 2019 04:00  
Operator : JU/SJ  
Sample : K2742-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.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, 1-bromo-... | 9.05  | 11.1    | ng/ul | 498122   | 2                     | 10.35 | 897281  | 20.0 |
| Benzene, 1-bromo-... | 9.36  | 6.8     | ng/ul | 303675   | 2                     | 10.35 | 897281  | 20.0 |
| Benzene, 1-chloro... | 10.95 | 72.8    | ng/ul | 3265950  | 2                     | 10.35 | 897281  | 20.0 |
| Benzene, 1-chloro... | 11.16 | 17.8    | ng/ul | 797575   | 2                     | 10.35 | 897281  | 20.0 |
| unknown-01           | 18.35 | 21.6    | ng/ul | 1784470  | 4                     | 16.97 | 1653690 | 20.0 |