

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
 Data File : BM025843.D  
 Acq On : 27 Mar 2020 18:18  
 Operator : CG/JU  
 Sample : L1968-04DL 5X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0DD3DL

## 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-BM031420MA.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         | 4.946       | 341           | 350         | 376          | rBV2     | 46893977       | 83316406      | 57.32%          | 17.776%       |
| 2         | 6.263       | 568           | 574         | 581          | rVB      | 103164         | 158175        | 0.11%           | 0.034%        |
| 3         | 6.916       | 679           | 685         | 695          | rVB      | 109162         | 173205        | 0.12%           | 0.037%        |
| 4         | 7.104       | 712           | 717         | 723          | rVB      | 118784         | 184230        | 0.13%           | 0.039%        |
| 5         | 7.469       | 769           | 779         | 789          | rBV      | 19477239       | 32242447      | 22.18%          | 6.879%        |
| 6         | 7.634       | 790           | 807         | 812          | rBV2     | 56335352       | 126959286     | 87.35%          | 27.087%       |
| 7         | 7.957       | 847           | 862         | 867          | rBV3     | 57184378       | 145345950     | 100.00%         | 31.010%       |
| 8         | 8.704       | 983           | 989         | 992          | rBV      | 138715         | 230980        | 0.16%           | 0.049%        |
| 9         | 8.751       | 992           | 997         | 1006         | rVB      | 861533         | 1370180       | 0.94%           | 0.292%        |
| 10        | 9.039       | 1039          | 1046        | 1054         | rBV      | 208735         | 314691        | 0.22%           | 0.067%        |
| 11        | 9.351       | 1094          | 1099        | 1106         | rVB      | 146525         | 248124        | 0.17%           | 0.053%        |
| 12        | 9.422       | 1106          | 1111        | 1115         | rBV2     | 106319         | 176009        | 0.12%           | 0.038%        |
| 13        | 9.957       | 1197          | 1202        | 1210         | rBV      | 162230         | 264773        | 0.18%           | 0.056%        |
| 14        | 10.216      | 1235          | 1246        | 1253         | rBV      | 21966120       | 37348080      | 25.70%          | 7.968%        |
| 15        | 10.333      | 1259          | 1266        | 1273         | rVB      | 1026188        | 1592747       | 1.10%           | 0.340%        |
| 16        | 10.722      | 1323          | 1332        | 1339         | rBV      | 10155727       | 16153783      | 11.11%          | 3.446%        |
| 17        | 10.928      | 1358          | 1367        | 1379         | rBV      | 2143317        | 3336523       | 2.30%           | 0.712%        |
| 18        | 11.139      | 1395          | 1403        | 1412         | rBV      | 486227         | 793900        | 0.55%           | 0.169%        |
| 19        | 12.316      | 1596          | 1603        | 1609         | rBV2     | 82303          | 170398        | 0.12%           | 0.036%        |
| 20        | 12.380      | 1609          | 1614        | 1621         | rVB      | 240612         | 375373        | 0.26%           | 0.080%        |
| 21        | 12.769      | 1674          | 1680        | 1686         | rBV      | 123092         | 179325        | 0.12%           | 0.038%        |
| 22        | 12.992      | 1711          | 1718        | 1726         | rBV      | 742538         | 1070165       | 0.74%           | 0.228%        |
| 23        | 13.621      | 1816          | 1825        | 1829         | rBV      | 352509         | 608966        | 0.42%           | 0.130%        |
| 24        | 13.892      | 1863          | 1871        | 1878         | rBV      | 370697         | 547800        | 0.38%           | 0.117%        |
| 25        | 14.204      | 1917          | 1924        | 1935         | rBV      | 1516629        | 2132041       | 1.47%           | 0.455%        |
| 26        | 15.198      | 2087          | 2093        | 2100         | rBV      | 519128         | 729749        | 0.50%           | 0.156%        |
| 27        | 15.327      | 2109          | 2115        | 2123         | rBV      | 98865          | 146269        | 0.10%           | 0.031%        |
| 28        | 16.951      | 2384          | 2391        | 2397         | rVB      | 1884494        | 2592184       | 1.78%           | 0.553%        |
| 29        | 17.045      | 2402          | 2407        | 2416         | rBV      | 592727         | 786650        | 0.54%           | 0.168%        |
| 30        | 19.345      | 2792          | 2798        | 2806         | rBV      | 724524         | 932082        | 0.64%           | 0.199%        |
| 31        | 21.145      | 3098          | 3104        | 3115         | rBV      | 2522641        | 3222239       | 2.22%           | 0.687%        |
| 32        | 23.156      | 3440          | 3446        | 3453         | rVV      | 616172         | 1022873       | 0.70%           | 0.218%        |
| 33        | 23.227      | 3454          | 3458        | 3462         | rVV      | 114427         | 163769        | 0.11%           | 0.035%        |
| 34        | 23.291      | 3462          | 3469        | 3478         | rVB      | 1983553        | 3466348       | 2.38%           | 0.740%        |

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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0DD3DL

## 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-BM031420MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 35 | 23.838 | 3558 | 3562 | 3567 | rVB2 | 99171 | 173977 | 0.12% | 0.037% |
| 36 | 24.538 | 3678 | 3681 | 3689 | rVB3 | 94727 | 183541 | 0.13% | 0.039% |

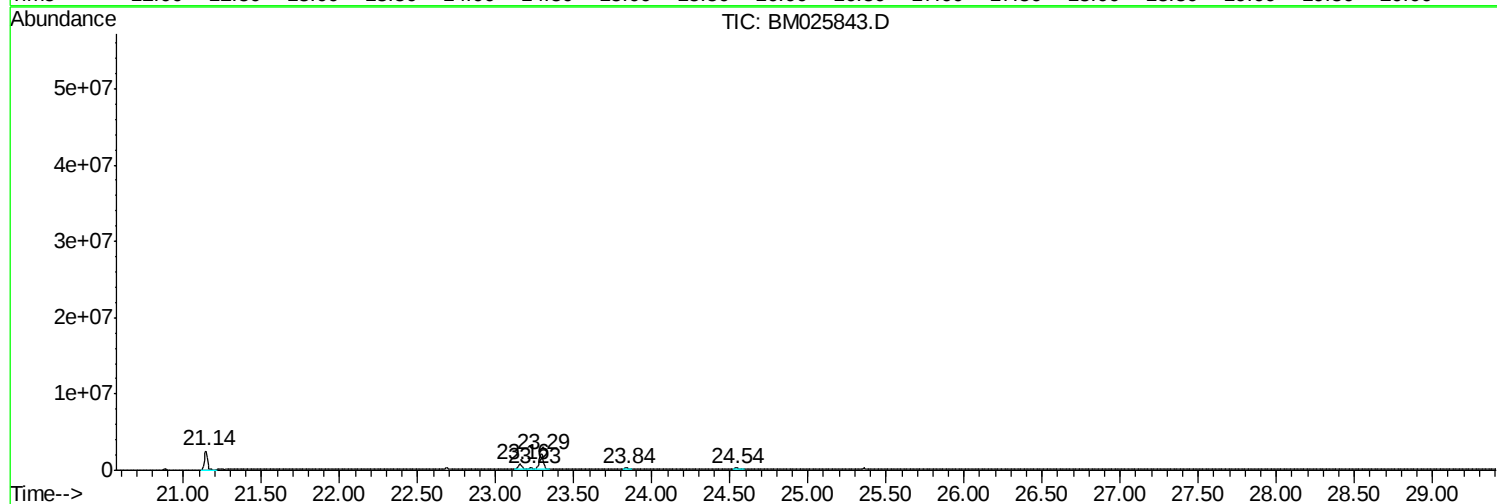
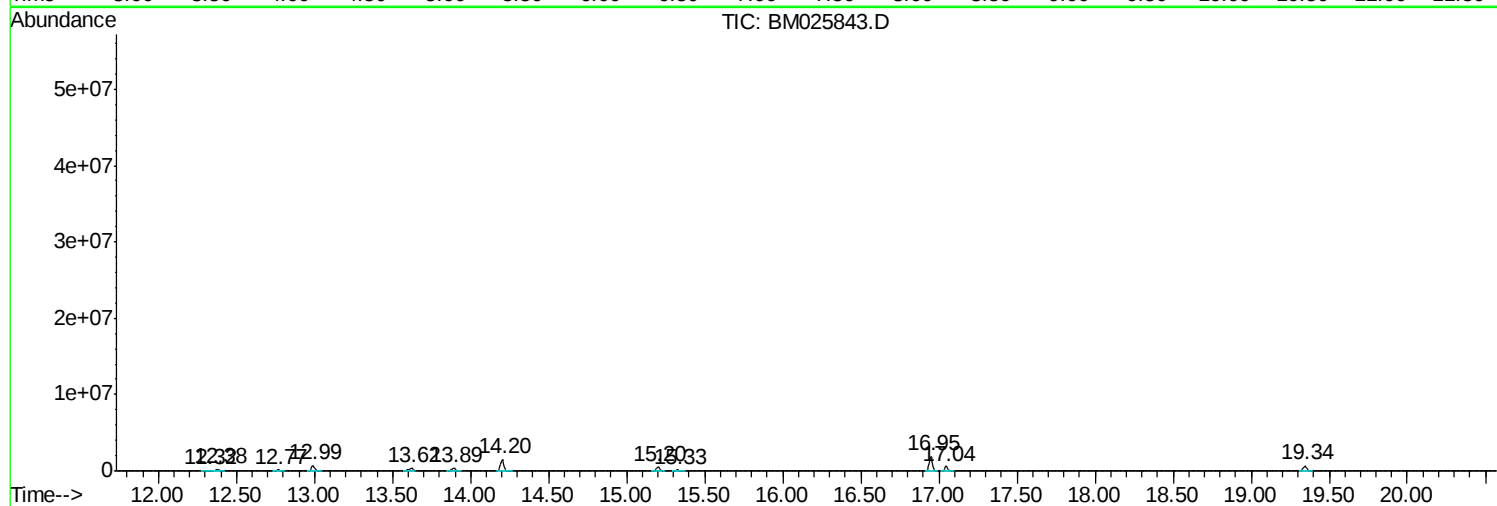
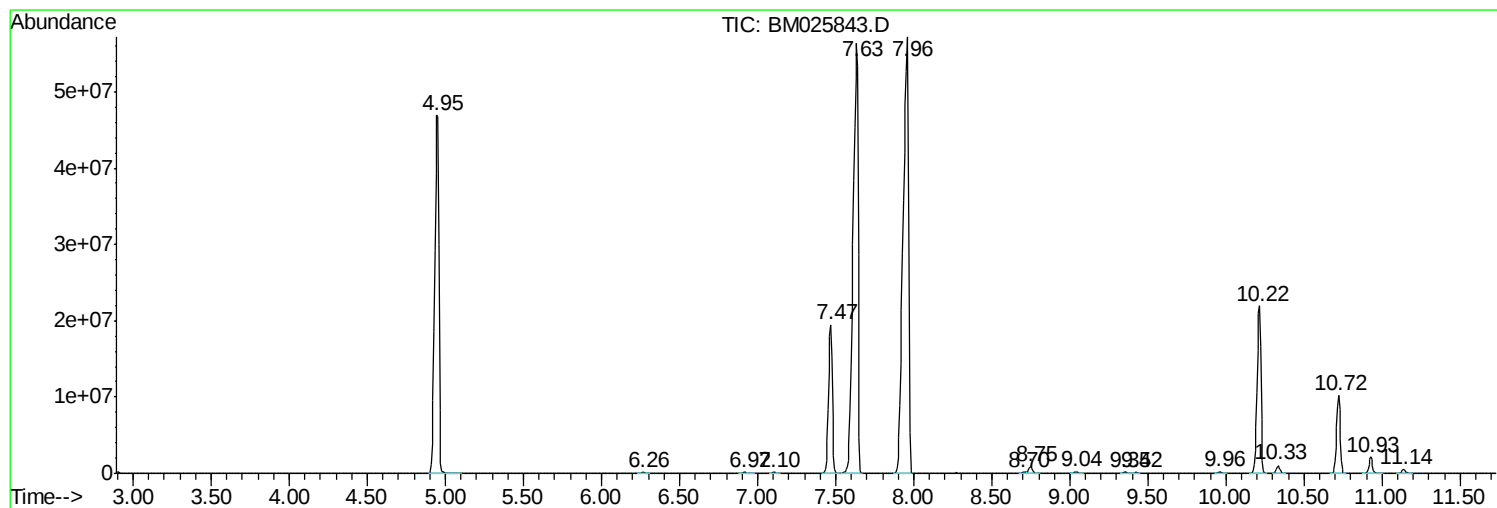
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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



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Sample : L1968-04DL 5X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0DD3DL

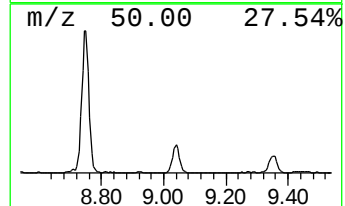
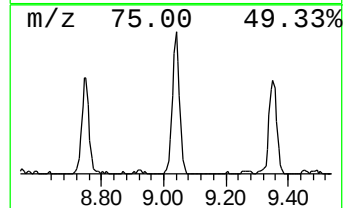
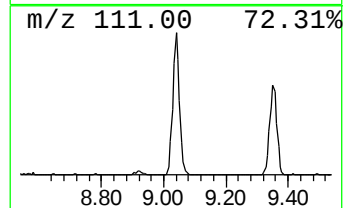
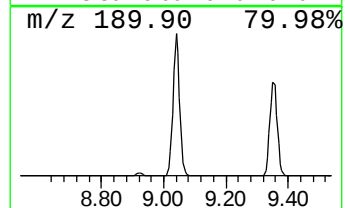
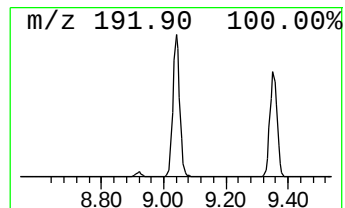
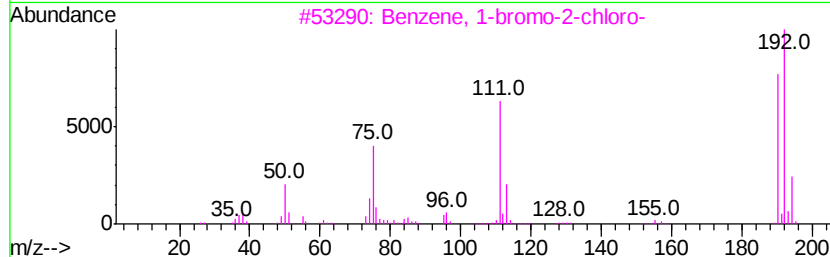
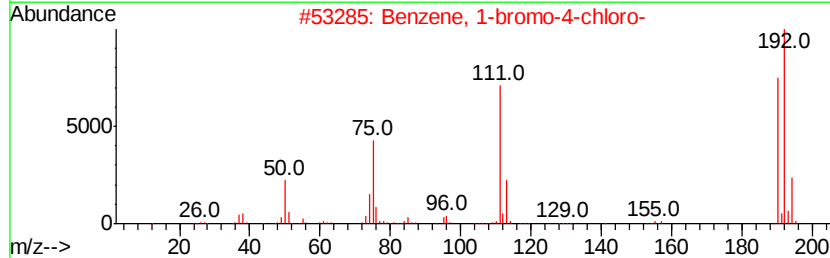
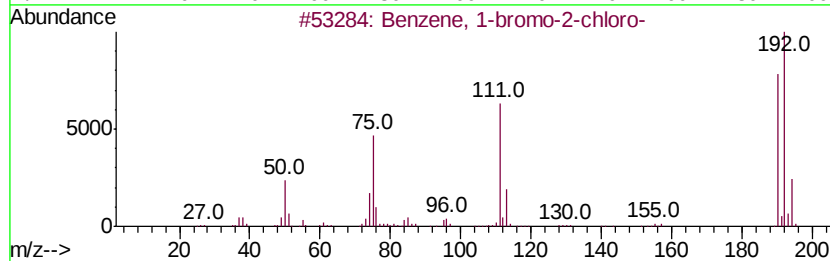
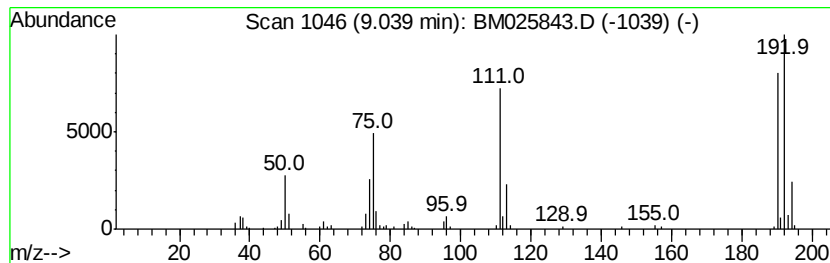
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.04 | 3.95 ng/ul | 314691 | Naphthalene-d8   | 10.33 |

| 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    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 97   |
| 4    |    | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 97   |
| 5    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 96   |



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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0DD3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

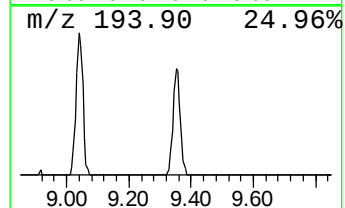
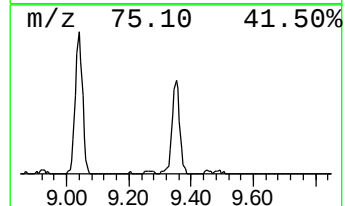
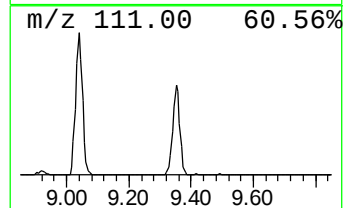
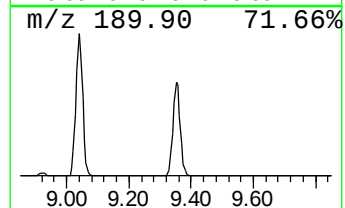
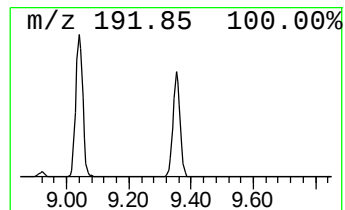
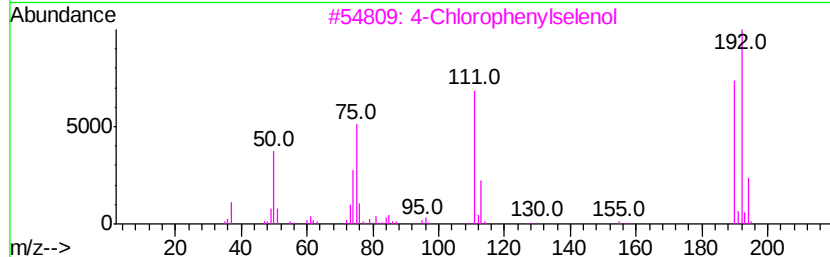
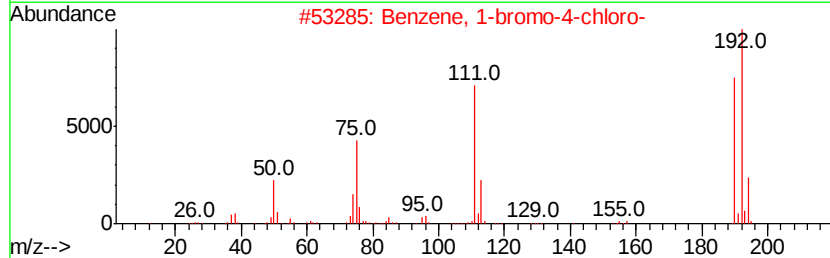
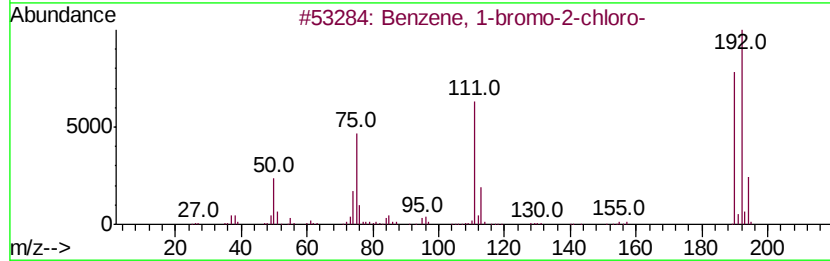
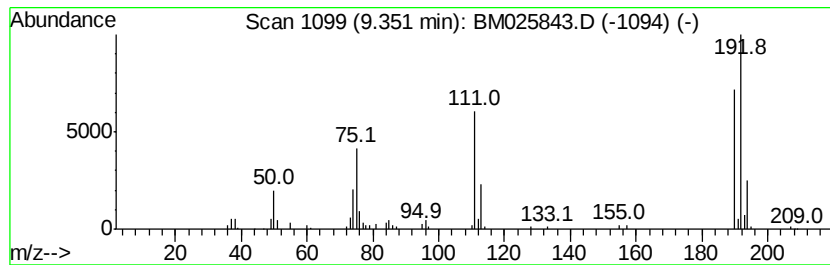
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 4-Chlorophenylselenol Concentration Rank 10

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.35 | 3.12 ng/ul | 248124 | Naphthalene-d8   | 10.33 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 99   |
| 2    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98   |
| 3    |    |   | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 97   |
| 4    |    |   | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 96   |
| 5    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 95   |



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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0DD3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

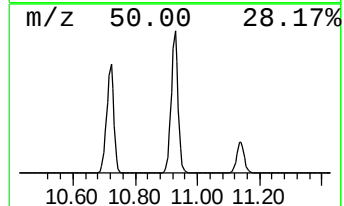
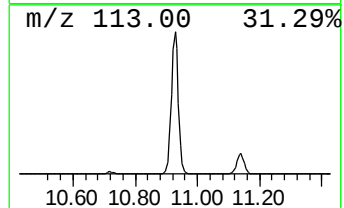
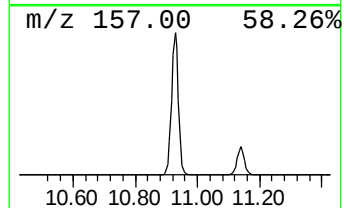
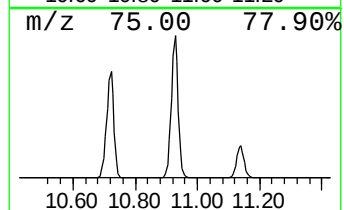
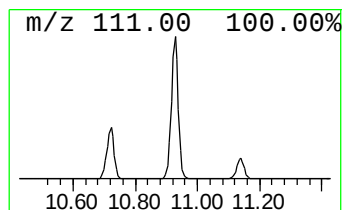
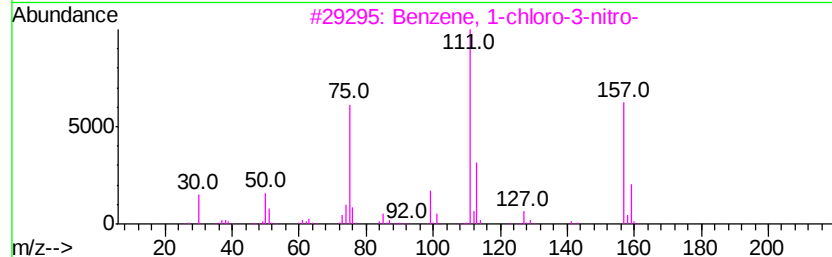
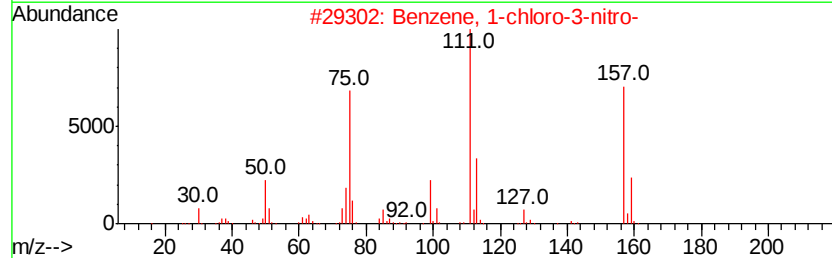
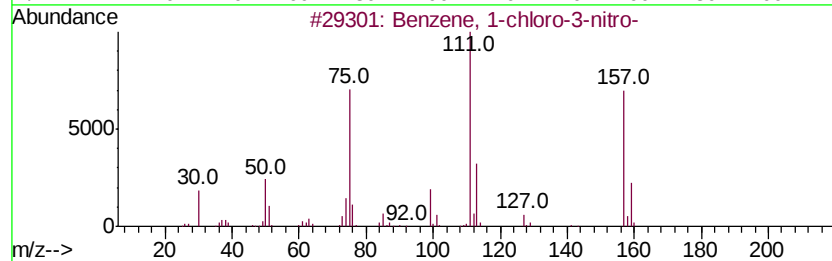
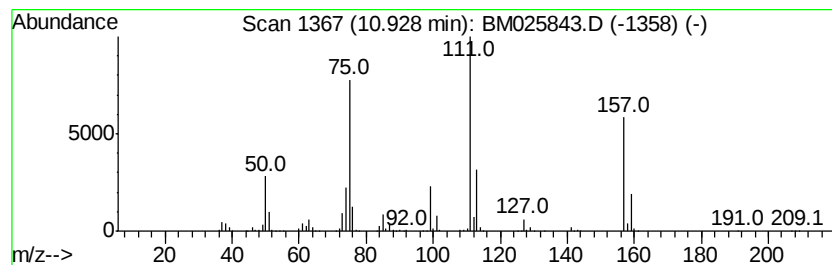
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 10.93 | 41.90 ng/ul | 3336520 | Naphthalene-d8   | 10.33 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 96   |
| 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-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 91   |



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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
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C0DD3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

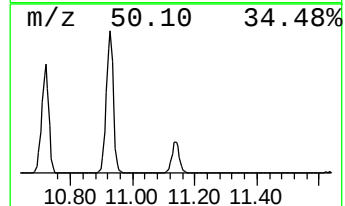
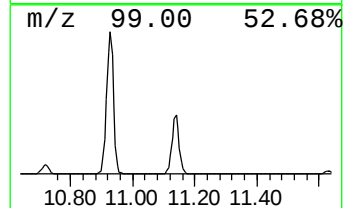
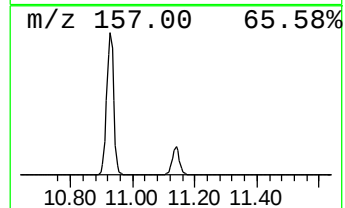
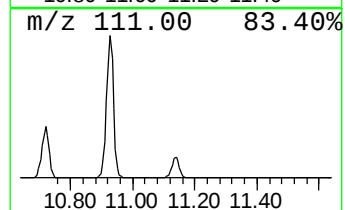
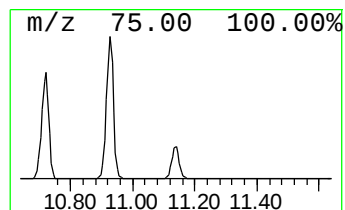
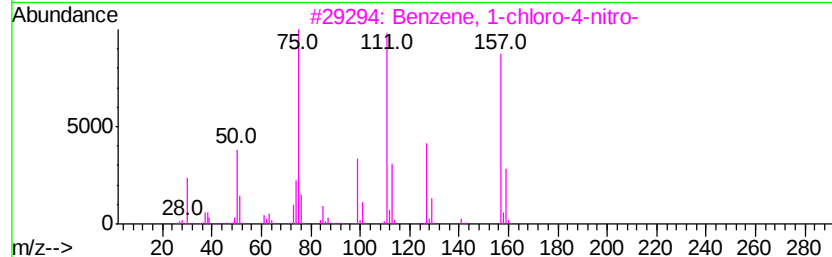
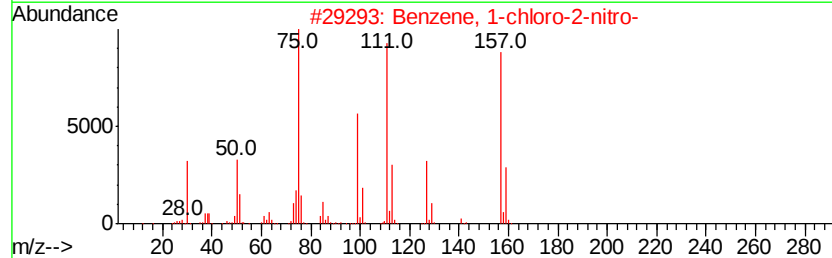
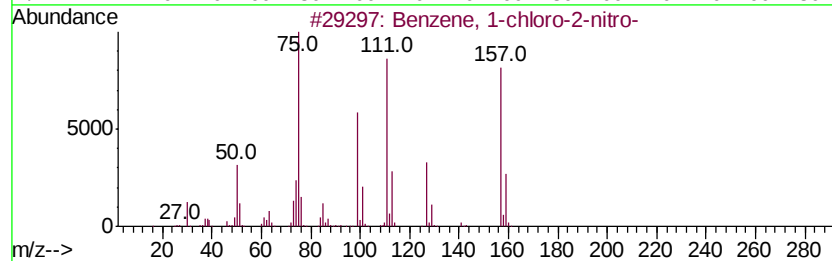
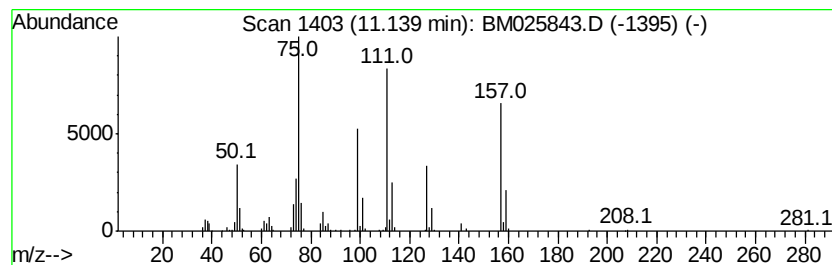
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-chloro-2-nitro- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.14 | 9.97 ng/ul | 793900 | Naphthalene-d8   | 10.33 |

| 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-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 97   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 97   |
| 5    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032620\  
Data File : BM025843.D  
Acq On : 27 Mar 2020 18:18  
Operator : CG/JU  
Sample : L1968-04DL 5X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0DD3DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-bromo-... | 9.04  | 4.0     | ng/ul | 314691   | 2                     | 10.33 | 1592750 | 20.0 |
| 4-Chlorophenylsel... | 9.35  | 3.1     | ng/ul | 248124   | 2                     | 10.33 | 1592750 | 20.0 |
| Benzene, 1-chloro... | 10.93 | 41.9    | ng/ul | 3336520  | 2                     | 10.33 | 1592750 | 20.0 |
| Benzene, 1-chloro... | 11.14 | 10.0    | ng/ul | 793900   | 2                     | 10.33 | 1592750 | 20.0 |