

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032719\  
 Data File : BM019528.D  
 Acq On : 28 Mar 2019 05:20  
 Operator : JU/SJ  
 Sample : K2069-03DL 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09E0DL

## 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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 4.928    | 323        | 330      | 353       | rBV   | 14575707    | 23666994   | 44.52%       | 15.727%    |
| 2      | 6.946    | 668        | 673      | 690       | rBV   | 48347       | 105338     | 0.20%        | 0.070%     |
| 3      | 7.122    | 697        | 703      | 714       | rBV2  | 66893       | 120387     | 0.23%        | 0.080%     |
| 4      | 7.469    | 755        | 762      | 776       | rBV   | 2438455     | 3857054    | 7.26%        | 2.563%     |
| 5      | 7.628    | 776        | 789      | 811       | rBV   | 25389002    | 40225866   | 75.67%       | 26.730%    |
| 6      | 7.945    | 832        | 843      | 865       | rBV   | 30899351    | 53159116   | 100.00%      | 35.325%    |
| 7      | 8.316    | 900        | 906      | 915       | rBV2  | 34164       | 74213      | 0.14%        | 0.049%     |
| 8      | 8.757    | 975        | 981      | 982       | rBV   | 77335       | 106918     | 0.20%        | 0.071%     |
| 9      | 8.798    | 982        | 988      | 1008      | rVB   | 849370      | 1579671    | 2.97%        | 1.050%     |
| 10     | 9.075    | 1029       | 1035     | 1042      | rVB   | 36703       | 62386      | 0.12%        | 0.041%     |
| 11     | 9.475    | 1097       | 1103     | 1115      | rBV2  | 54326       | 107849     | 0.20%        | 0.072%     |
| 12     | 10.010   | 1187       | 1194     | 1205      | rBV2  | 61623       | 140065     | 0.26%        | 0.093%     |
| 13     | 10.228   | 1223       | 1231     | 1247      | rBV   | 7672295     | 12432906   | 23.39%       | 8.262%     |
| 14     | 10.363   | 1248       | 1254     | 1264      | rVB   | 495577      | 810558     | 1.52%        | 0.539%     |
| 15     | 10.745   | 1310       | 1319     | 1329      | rBV   | 2043624     | 3406920    | 6.41%        | 2.264%     |
| 16     | 10.986   | 1353       | 1360     | 1374      | rBV   | 503684      | 993700     | 1.87%        | 0.660%     |
| 17     | 11.204   | 1390       | 1397     | 1418      | rBV2  | 106351      | 275604     | 0.52%        | 0.183%     |
| 18     | 12.416   | 1593       | 1603     | 1612      | rBV   | 119088      | 223881     | 0.42%        | 0.149%     |
| 19     | 13.033   | 1702       | 1708     | 1719      | rBV   | 343779      | 567428     | 1.07%        | 0.377%     |
| 20     | 13.674   | 1810       | 1817     | 1830      | rBV   | 144824      | 253620     | 0.48%        | 0.169%     |
| 21     | 13.939   | 1856       | 1862     | 1873      | rBV   | 195102      | 298434     | 0.56%        | 0.198%     |
| 22     | 14.245   | 1908       | 1914     | 1930      | rBV2  | 651383      | 1014938    | 1.91%        | 0.674%     |
| 23     | 15.251   | 2079       | 2085     | 2097      | rBV   | 230701      | 377654     | 0.71%        | 0.251%     |
| 24     | 17.004   | 2377       | 2383     | 2395      | rBV   | 833447      | 1179988    | 2.22%        | 0.784%     |
| 25     | 17.104   | 2395       | 2400     | 2415      | rVB2  | 231724      | 405789     | 0.76%        | 0.270%     |
| 26     | 19.409   | 2787       | 2792     | 2807      | rBV2  | 328017      | 524947     | 0.99%        | 0.349%     |
| 27     | 21.209   | 3093       | 3098     | 3109      | rBV   | 1174817     | 1662621    | 3.13%        | 1.105%     |
| 28     | 23.274   | 3444       | 3449     | 3457      | rVB   | 428792      | 789767     | 1.49%        | 0.525%     |
| 29     | 23.415   | 3467       | 3473     | 3485      | rVB   | 1058204     | 2062607    | 3.88%        | 1.371%     |

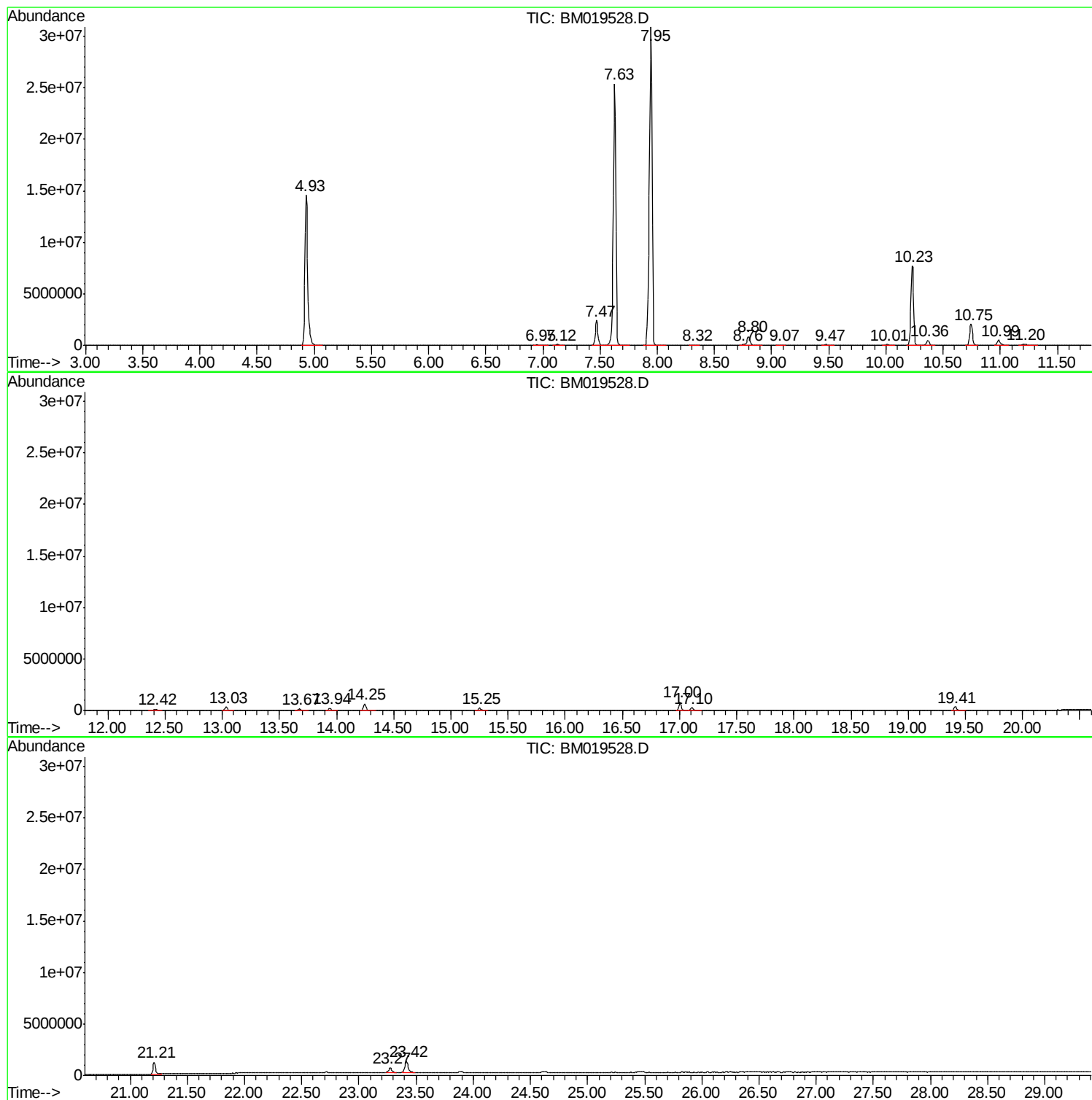
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ClientSampleId :  
C09E0DL

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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Quant Title : SVOA CALIBRATION

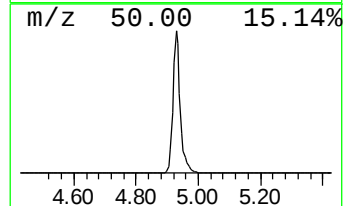
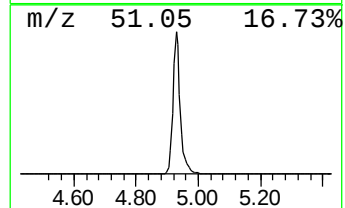
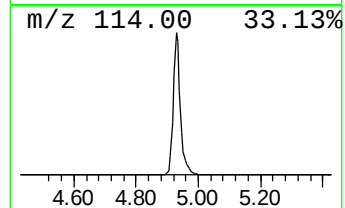
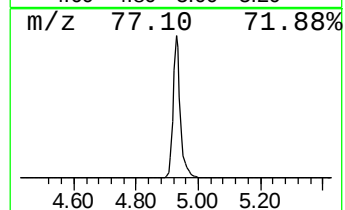
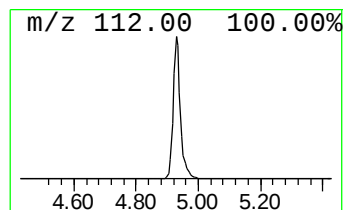
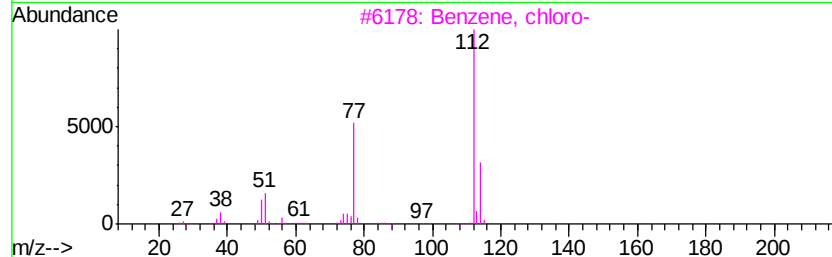
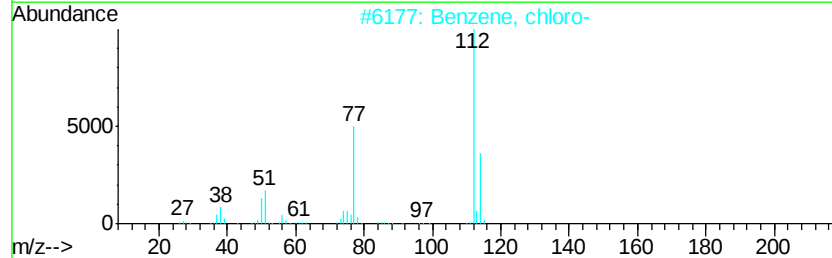
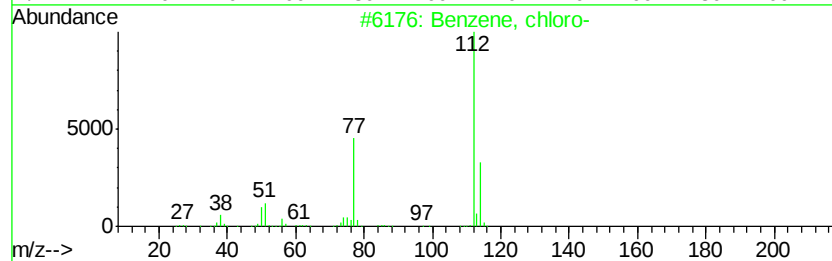
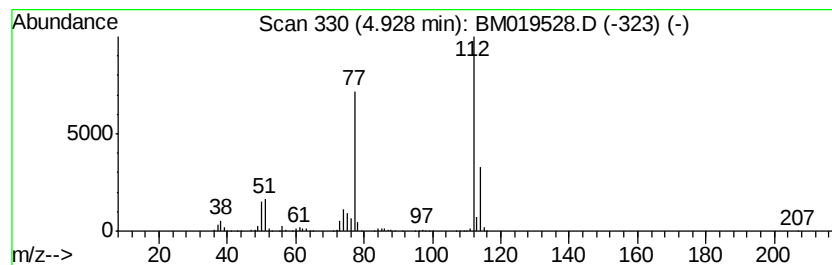
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, chloro- Concentration Rank 5

| R.T. | EstConc     | Area     | Relative to ISTD       | R.T. |
|------|-------------|----------|------------------------|------|
| 4.93 | 11.77 ng/ul | 23667000 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | 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 | 94   |
| 5    |    | Phenol, 4-fluoro- | 112 | C6H5FO  | 000371-41-5 | 35   |



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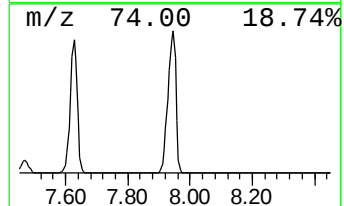
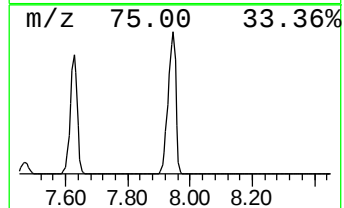
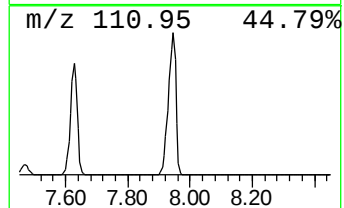
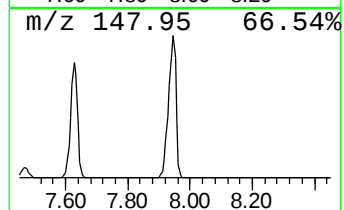
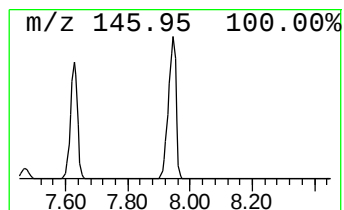
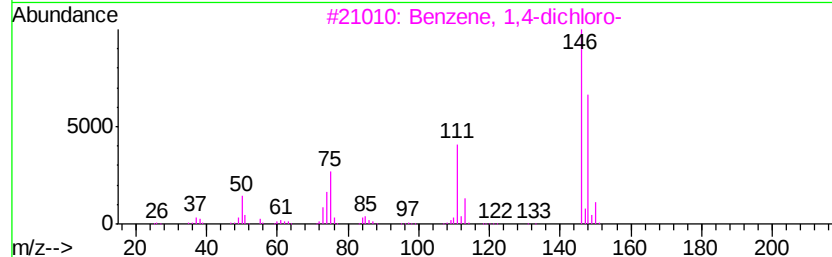
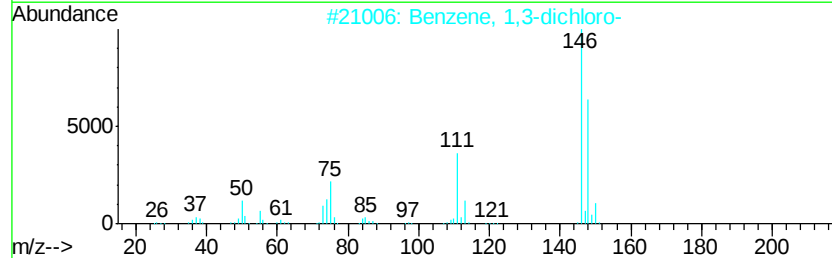
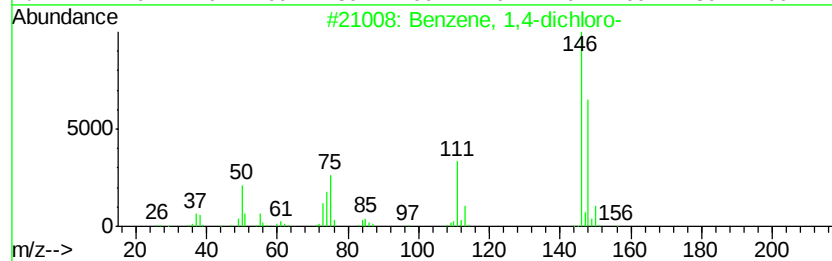
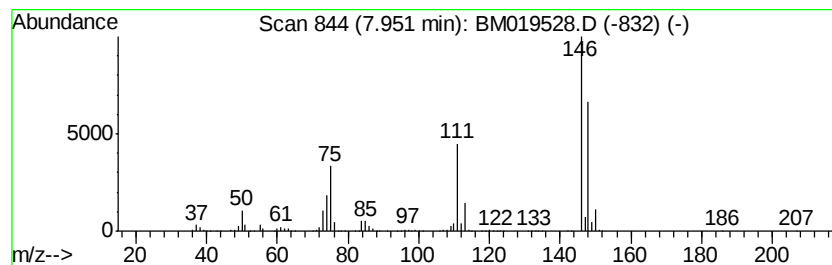
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Benzene, 1,4-dichloro- Concentration Rank 3

| R.T. | EstConc     | Area     | Relative to ISTD       | R.T. |
|------|-------------|----------|------------------------|------|
| 7.95 | 26.43 ng/ul | 53159100 | 1,4-Dichlorobenzene-d4 | 7.59 |

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



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ALS Vial : 23 Sample Multiplier: 1

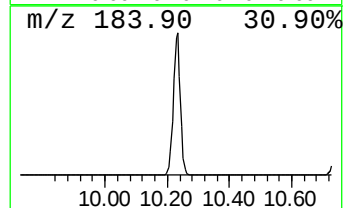
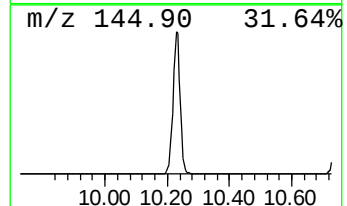
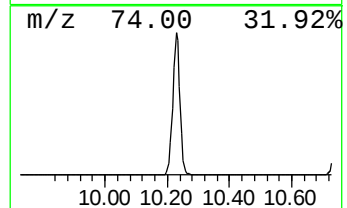
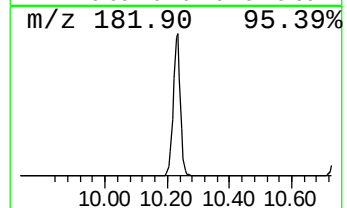
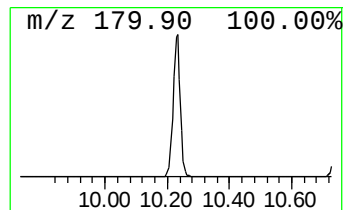
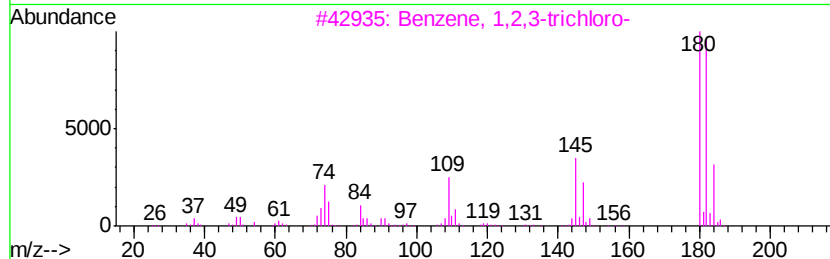
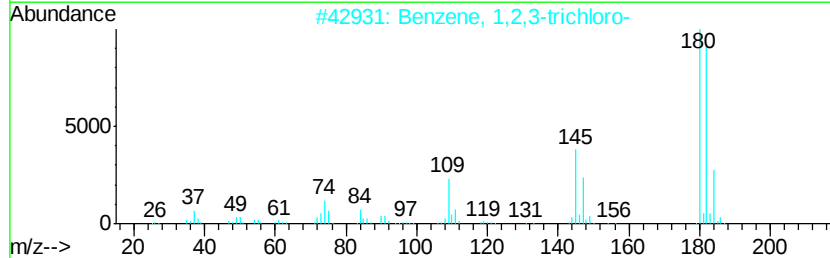
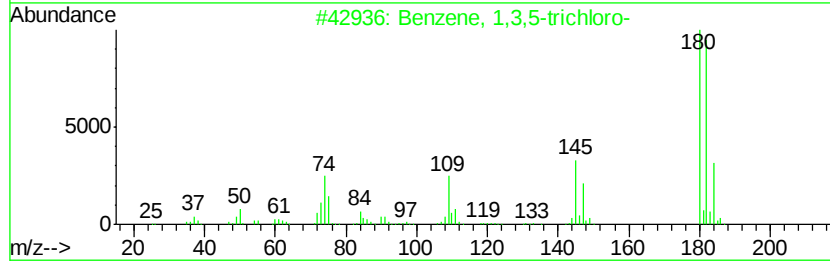
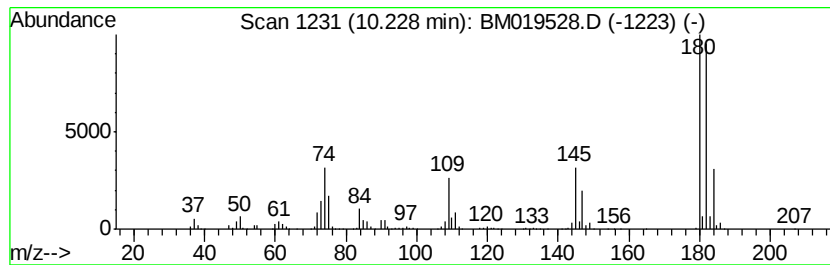
Instrument :  
BNA\_M  
ClientSampleId :  
C09E0DL

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

| R.T.    | EstConc      | Area             | Relative to ISTD | R.T.    |             |      |
|---------|--------------|------------------|------------------|---------|-------------|------|
| 10.23   | 306.77 ng/ul | 12432900         | Naphthalene-d8   | 10.36   |             |      |
| Hit# of | 5            | Tentative ID     | MW               | MolForm | CAS#        | Qual |
| 1       | 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 | 96   |
| 5       | Benzene,     | 1,3,5-trichloro- | 180              | C6H3Cl3 | 000108-70-3 | 95   |



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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C09E0DL

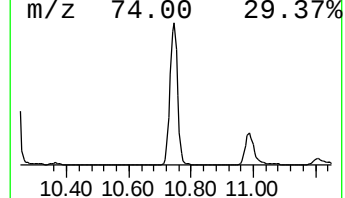
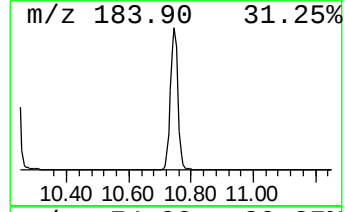
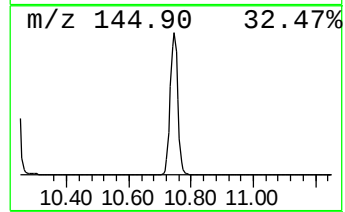
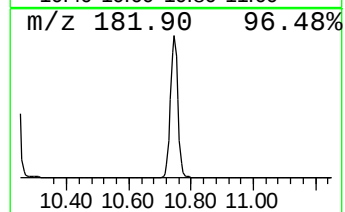
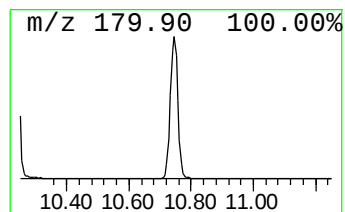
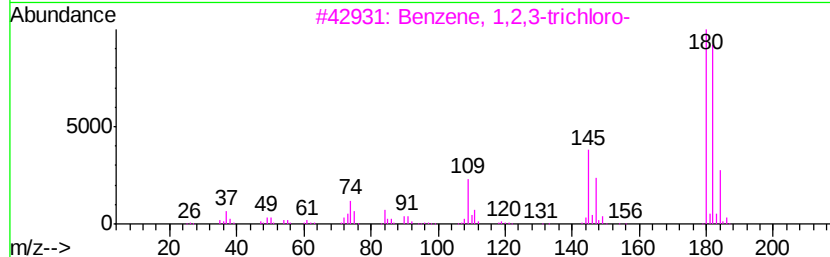
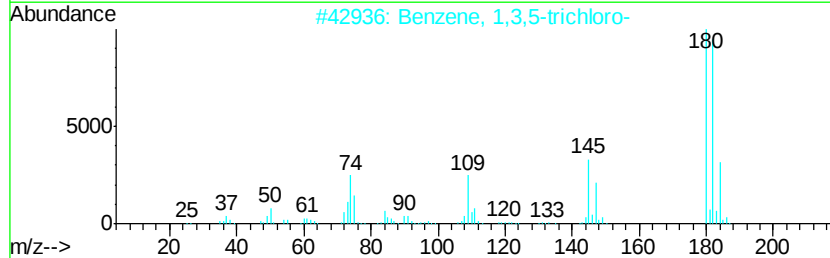
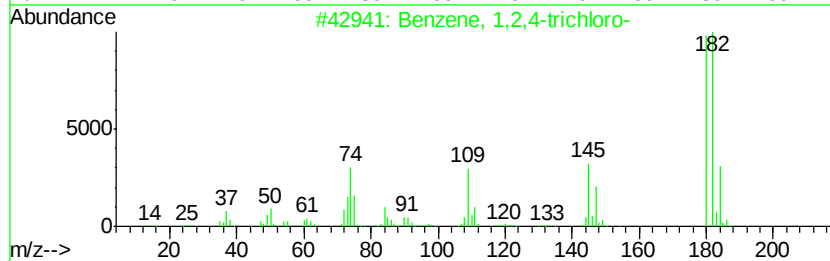
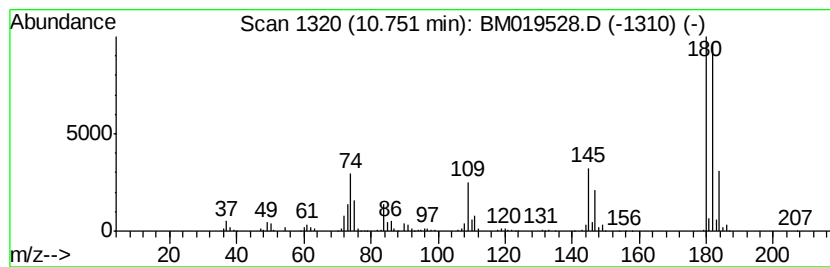
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,4-trichloro- Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 10.75 | 84.06 ng/ul | 3406920 | Naphthalene-d8   | 10.36 |

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



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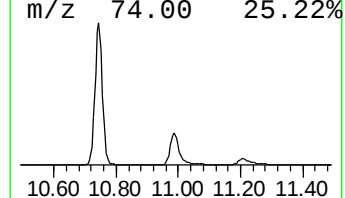
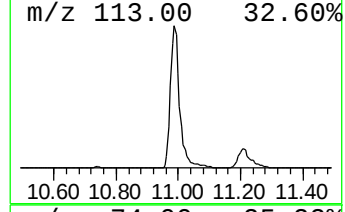
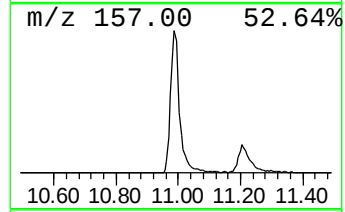
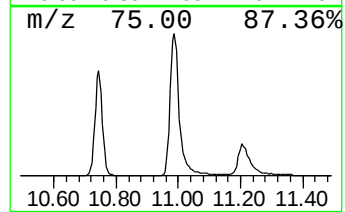
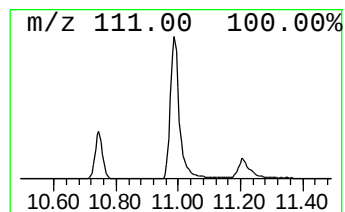
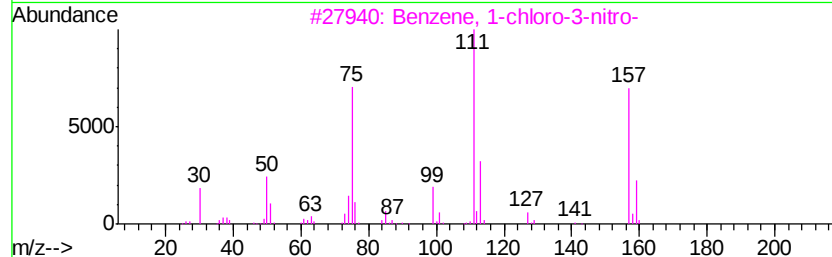
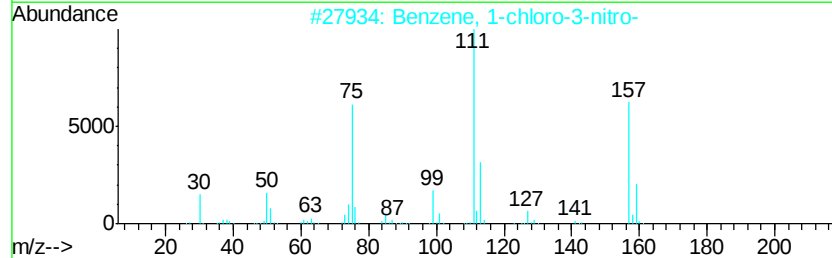
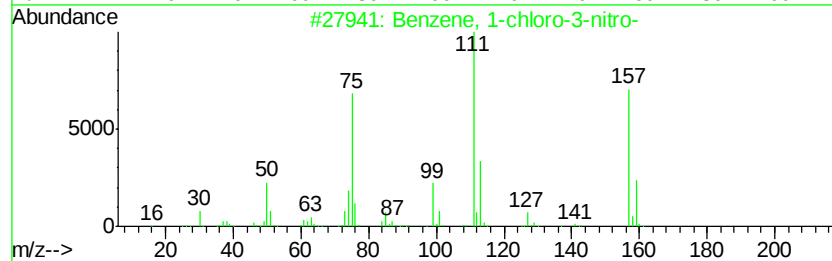
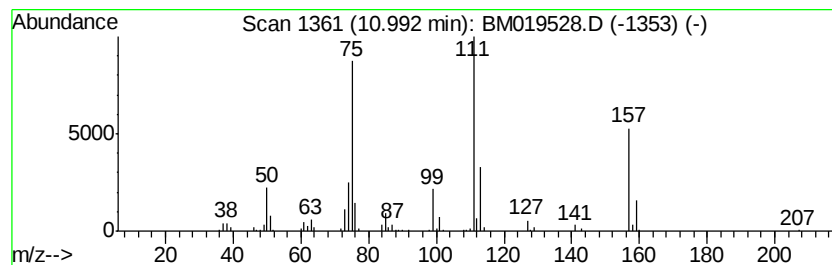
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Benzene, 1-chloro-3-nitro- Concentration Rank 4

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 10.99 | 24.52 ng/ul | 993700 | Naphthalene-d8   | 10.36 |

| 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 | 93   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 91   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032719\  
Data File : BM019528.D  
Acq On : 28 Mar 2019 05:20  
Operator : JU/SJ  
Sample : K2069-03DL 5X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C09E0DL

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

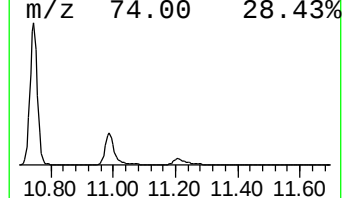
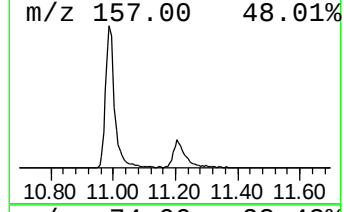
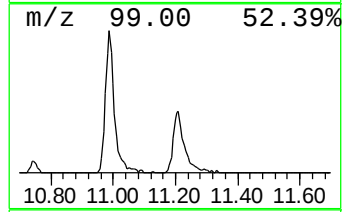
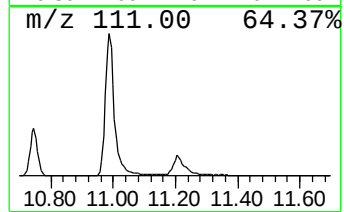
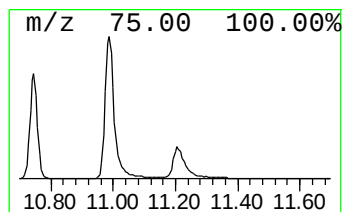
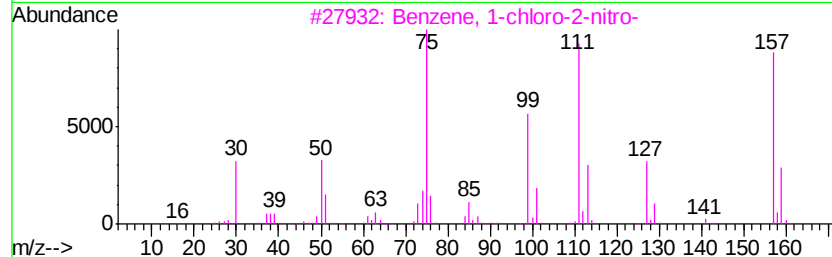
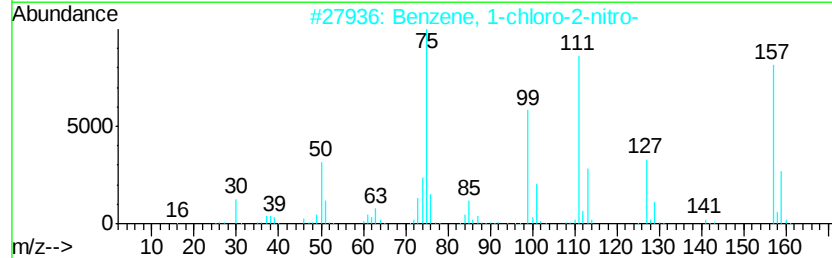
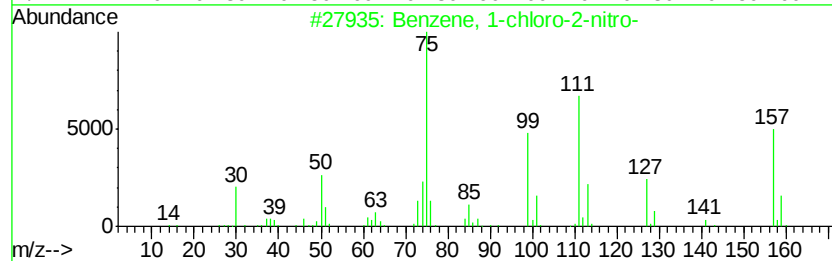
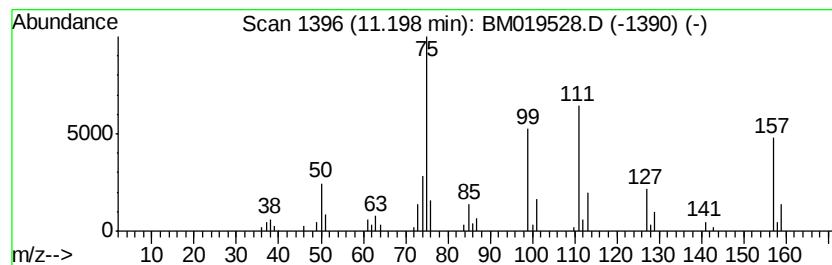
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.20 | 6.80 ng/ul | 275604 | Naphthalene-d8   | 10.36 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 96   |
| 2    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 96   |
| 3    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 95   |
| 4    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 94   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032719\  
Data File : BM019528.D  
Acq On : 28 Mar 2019 05:20  
Operator : JU/SJ  
Sample : K2069-03DL 5X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C09E0DL

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-     | 4.93  | 11.8    | ng/ul | 23667000 | 1                     | 7.59  | 40225900 | 20.0 |
| Benzene, 1,4-dich... | 7.95  | 26.4    | ng/ul | 53159100 | 1                     | 7.59  | 40225900 | 20.0 |
| Benzene, 1,3,5-tr... | 10.23 | 306.8   | ng/ul | 12432900 | 2                     | 10.36 | 810558   | 20.0 |
| Benzene, 1,2,4-tr... | 10.75 | 84.1    | ng/ul | 3406920  | 2                     | 10.36 | 810558   | 20.0 |
| Benzene, 1-chloro... | 10.99 | 24.5    | ng/ul | 993700   | 2                     | 10.36 | 810558   | 20.0 |
| Benzene, 1-chloro... | 11.20 | 6.8     | ng/ul | 275604   | 2                     | 10.36 | 810558   | 20.0 |