

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032417\  
 Data File : BM009401.D  
 Acq On : 25 Mar 2017 03:49  
 Operator : SJ/MA  
 Sample : I2358-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BM9

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.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         | 5.204       | 348           | 360         | 362          | rBV4     | 85894941       | 204651802     | 65.41%          | 14.769%       |
| 2         | 7.775       | 784           | 797         | 811          | rBV      | 42348302       | 162484026     | 51.93%          | 11.726%       |
| 3         | 7.945       | 811           | 826         | 827          | rBV6     | 94157176       | 271788815     | 86.86%          | 19.614%       |
| 4         | 8.286       | 866           | 884         | 885          | rBV6     | 96836824       | 312898780     | 100.00%         | 22.581%       |
| 5         | 9.081       | 1014          | 1019        | 1026         | rVB      | 3853861        | 6338058       | 2.03%           | 0.457%        |
| 6         | 10.575      | 1256          | 1273        | 1277         | rBV3     | 95047373       | 282860856     | 90.40%          | 20.413%       |
| 7         | 11.069      | 1344          | 1357        | 1362         | rBV      | 52919287       | 101659026     | 32.49%          | 7.336%        |
| 8         | 13.292      | 1728          | 1735        | 1743         | rBV      | 5547545        | 8129106       | 2.60%           | 0.587%        |
| 9         | 13.904      | 1828          | 1839        | 1845         | rBV      | 2250009        | 3899953       | 1.25%           | 0.281%        |
| 10        | 15.492      | 2101          | 2109        | 2114         | rBV      | 2768950        | 3907158       | 1.25%           | 0.282%        |
| 11        | 17.345      | 2416          | 2424        | 2435         | rBV2     | 3018977        | 4276387       | 1.37%           | 0.309%        |
| 12        | 18.621      | 2635          | 2641        | 2649         | rVB      | 8992023        | 12389018      | 3.96%           | 0.894%        |
| 13        | 19.639      | 2807          | 2814        | 2823         | rBV      | 3723841        | 5204289       | 1.66%           | 0.376%        |
| 14        | 23.597      | 3480          | 3487        | 3496         | rVB2     | 2694658        | 5209692       | 1.66%           | 0.376%        |

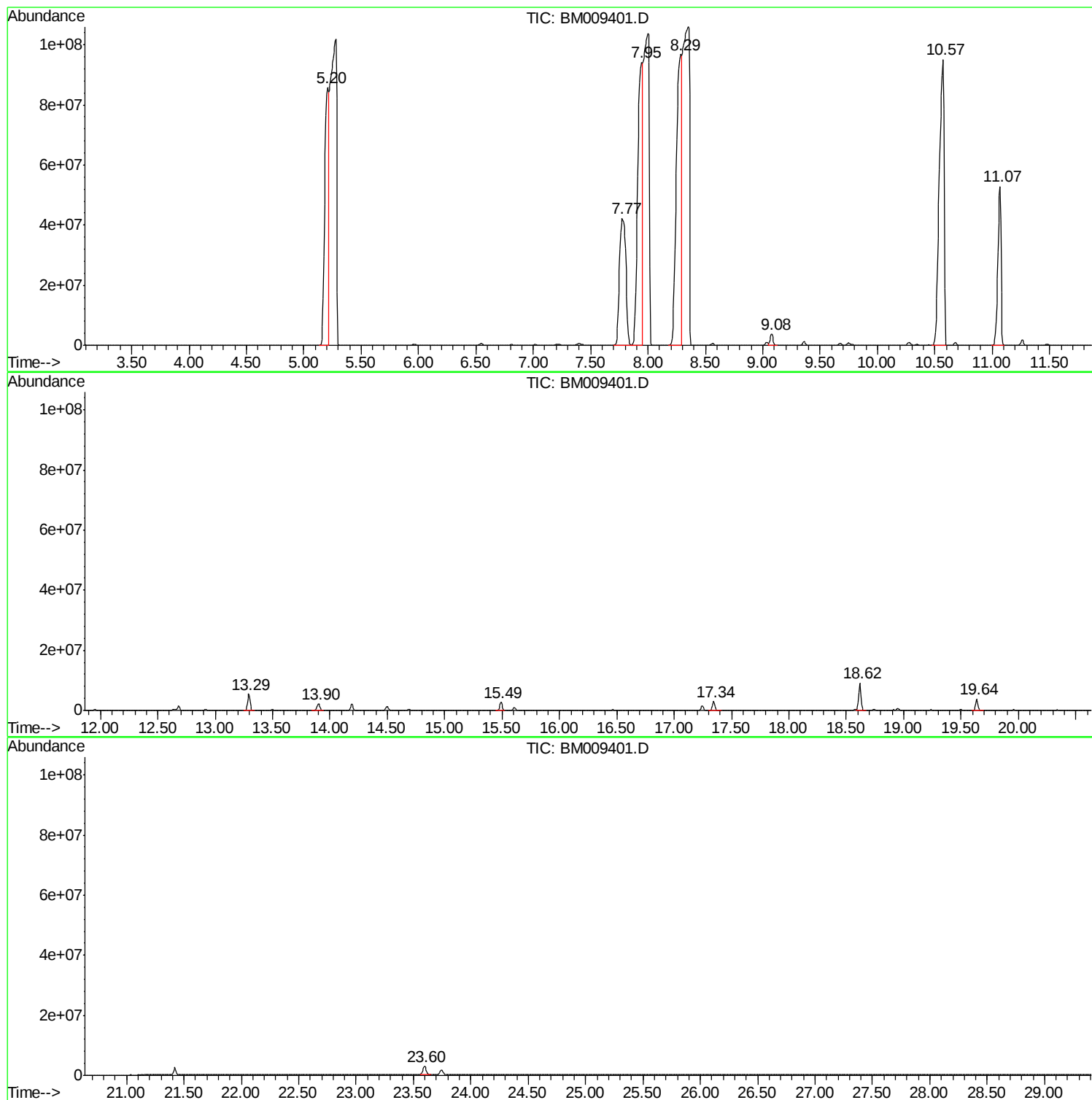
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION

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



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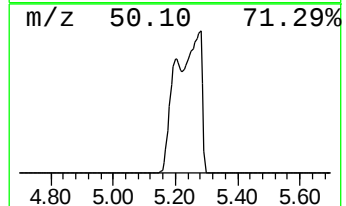
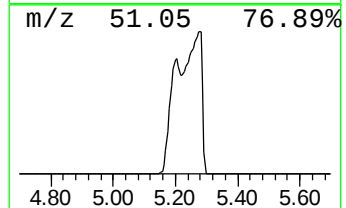
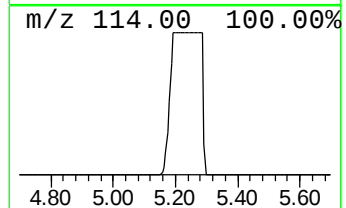
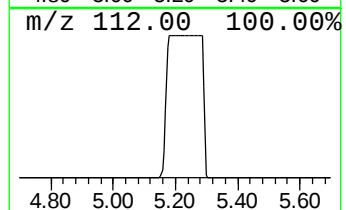
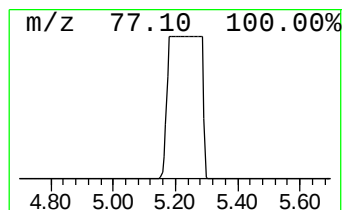
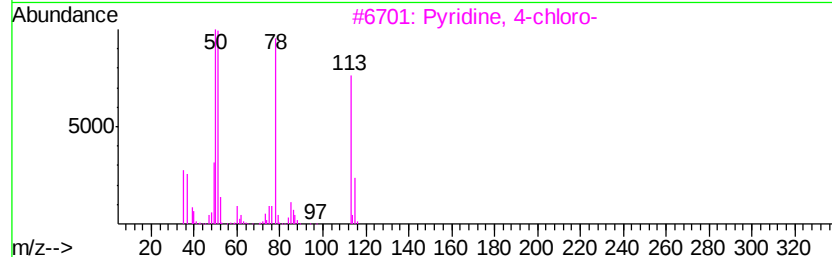
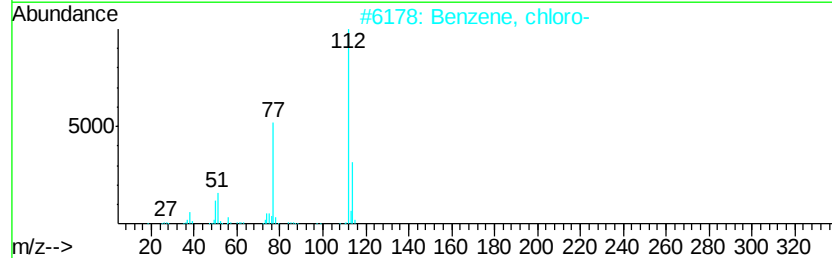
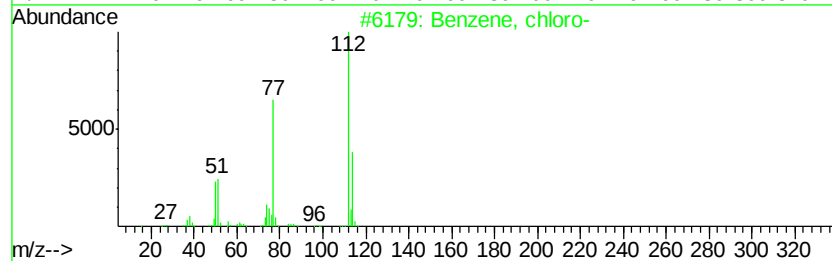
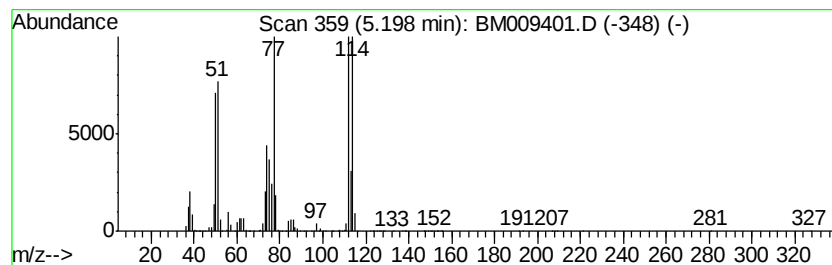
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Quant Title : SVOA CALIBRATION

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. |
|------|-------------|-----------|------------------------|------|
| 5.20 | 15.06 ng/ul | 204652000 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, chloro-    | 112 | C6H5Cl   | 000108-90-7 | 68   |
| 2    |    | Benzene, chloro-    | 112 | C6H5Cl   | 000108-90-7 | 38   |
| 3    |    | Pyridine, 4-chloro- | 113 | C5H4ClN  | 000626-61-9 | 14   |
| 4    |    | Difluoroacetic acid | 96  | C2H2F2O2 | 000381-73-7 | 10   |
| 5    |    | Benzene, chloro-    | 112 | C6H5Cl   | 000108-90-7 | 10   |



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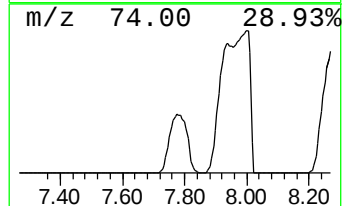
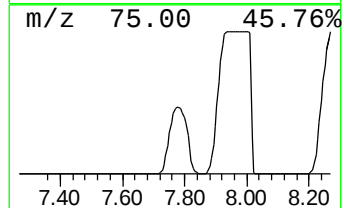
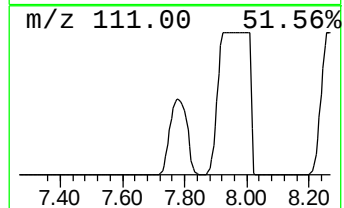
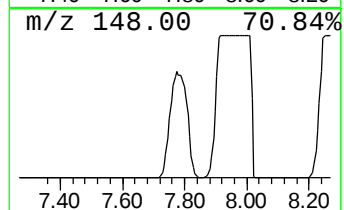
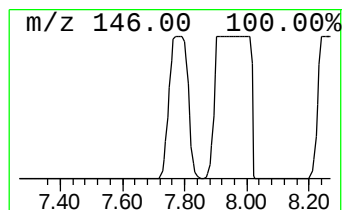
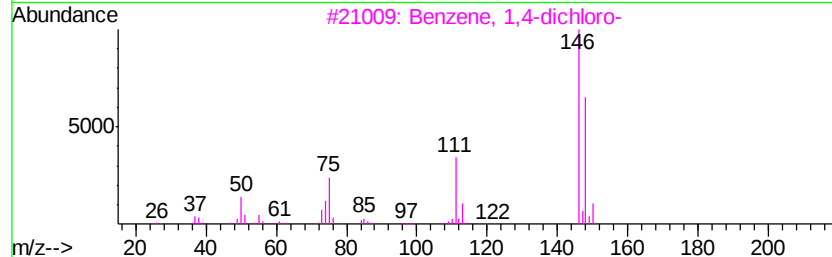
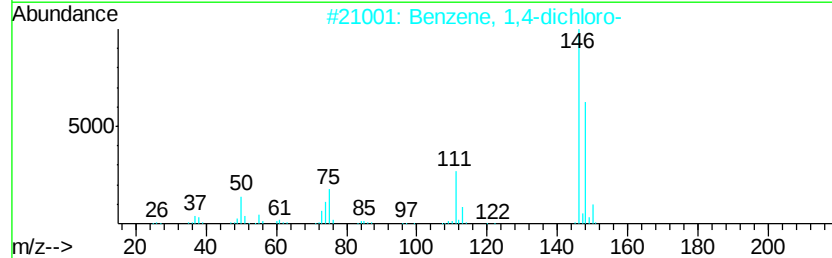
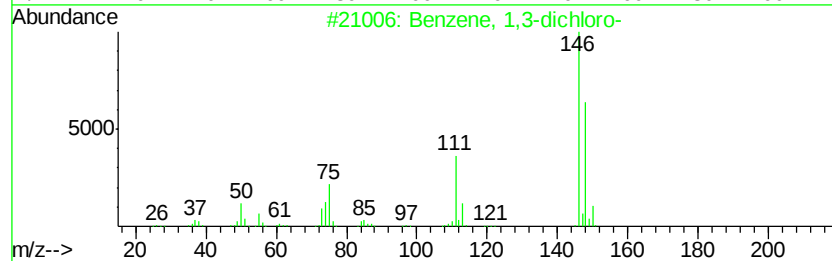
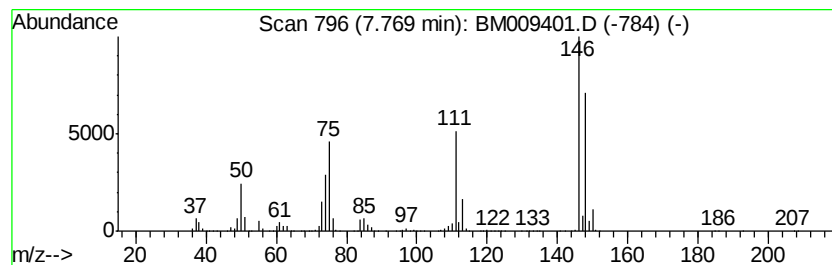
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 7.77 | 11.96 ng/ul | 162484000 | 1,4-Dichlorobenzene-d4 | 7.93 |

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



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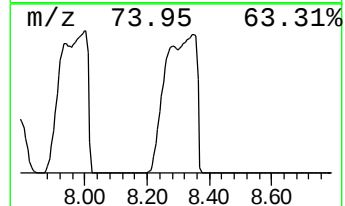
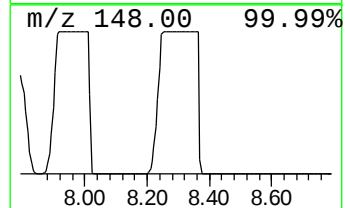
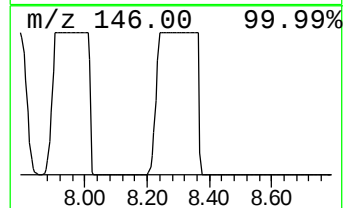
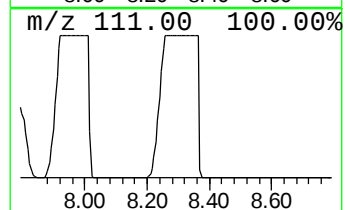
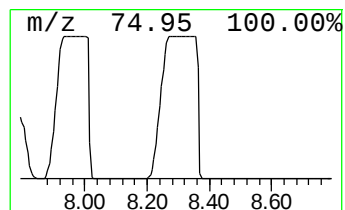
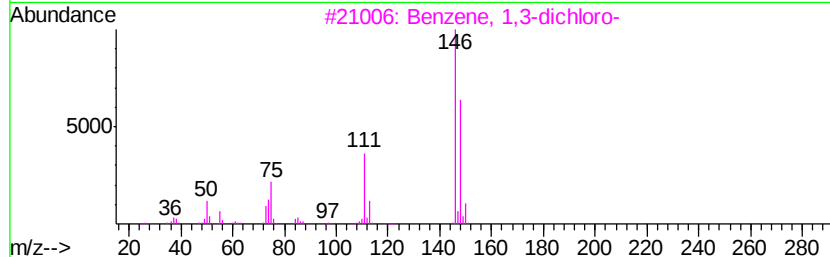
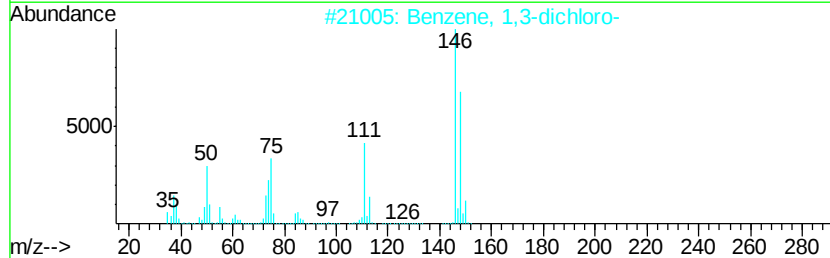
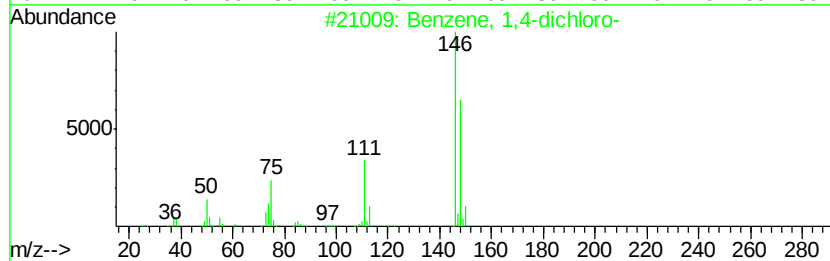
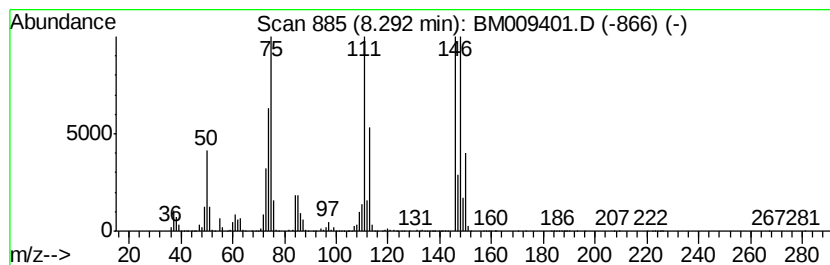
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 8.29 | 23.03 ng/ul | 312899000 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81   |
| 2    |    | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 81   |
| 3    |    | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 76   |
| 4    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 76   |
| 5    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 68   |



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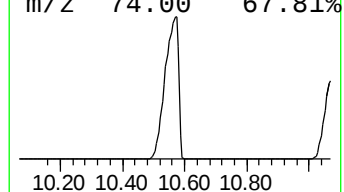
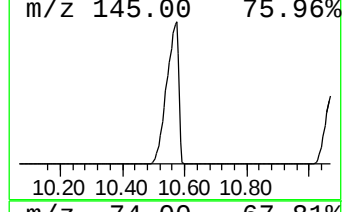
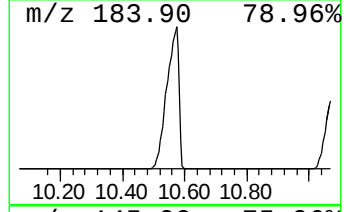
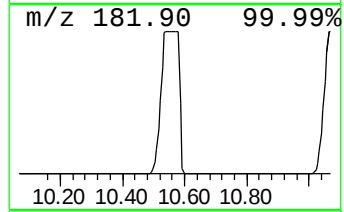
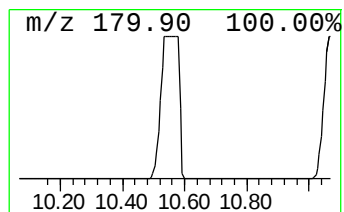
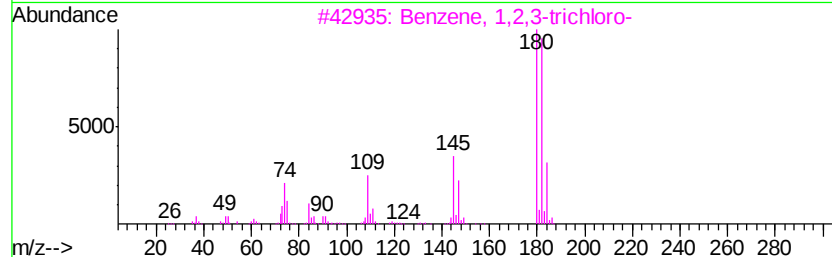
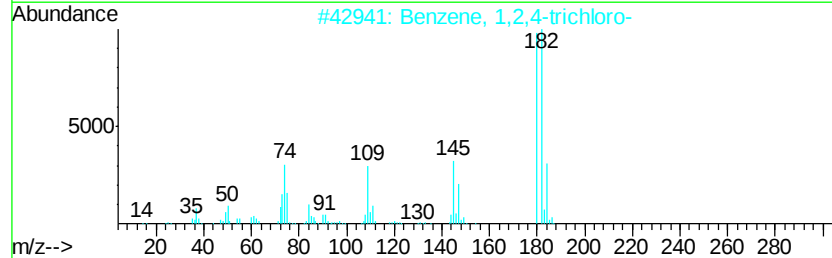
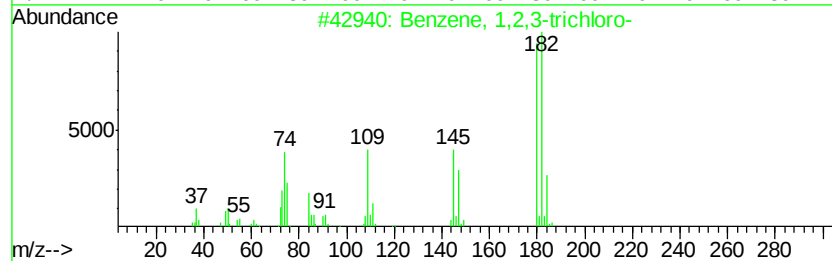
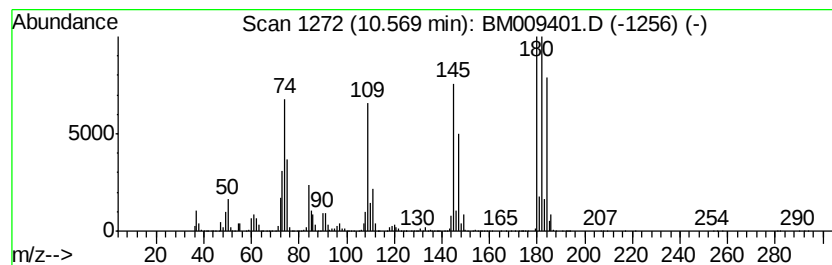
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ClientSampleId :  
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\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,3-trichloro- Concentration Rank 3

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 10.57   | 20.00 ng/ul               | 282861000    | Napthalene-d8    | 10.68     |
| Hit# of | 5                         | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Benzene, 1,2,3-trichloro- | 180 C6H3Cl3  | 000087-61-6      | 97        |
| 2       | Benzene, 1,2,4-trichloro- | 180 C6H3Cl3  | 000120-82-1      | 94        |
| 3       | Benzene, 1,2,3-trichloro- | 180 C6H3Cl3  | 000087-61-6      | 93        |
| 4       | Benzene, 1,2,3-trichloro- | 180 C6H3Cl3  | 000087-61-6      | 90        |
| 5       | Benzene, 1,2,4-trichloro- | 180 C6H3Cl3  | 000120-82-1      | 89        |



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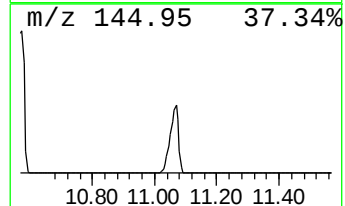
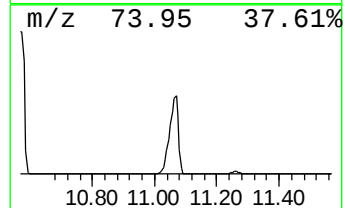
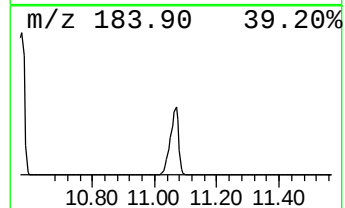
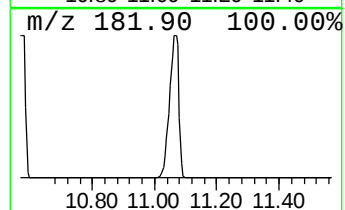
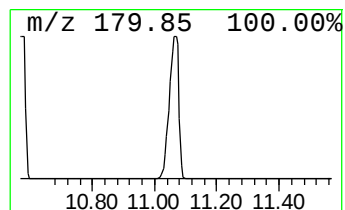
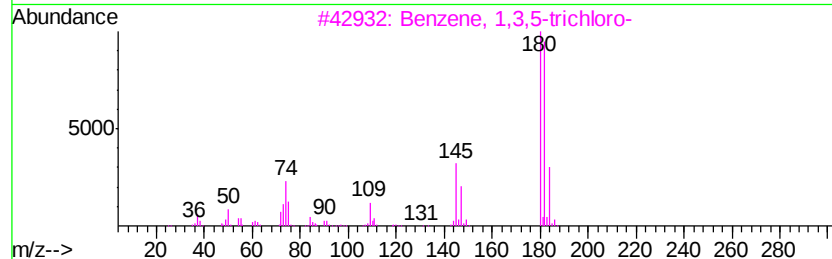
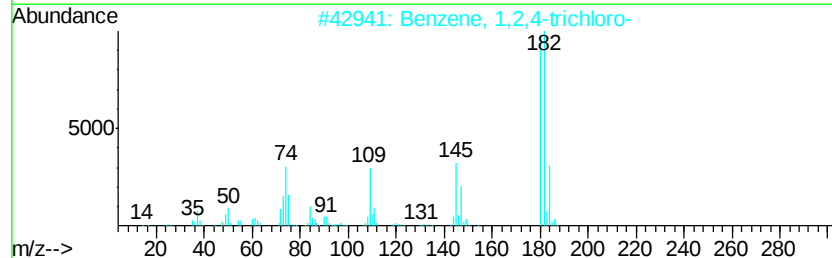
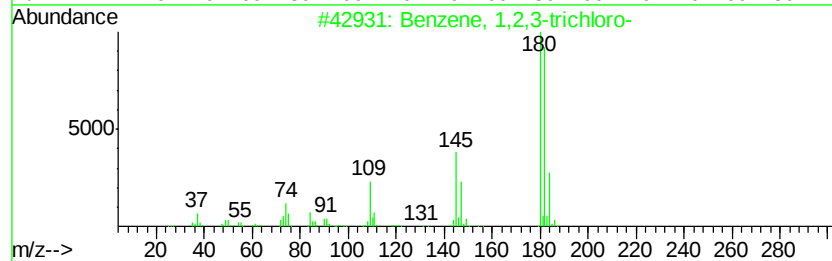
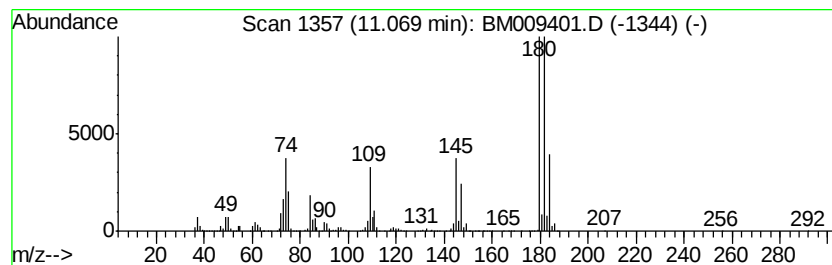
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Peak Number 5 Benzene, 1,2,4-trichloro- Concentration Rank 6

| R.T.  | EstConc    | Area      | Relative to ISTD | R.T.  |
|-------|------------|-----------|------------------|-------|
| 11.07 | 7.19 ng/ul | 101659000 | Napthalene-d8    | 10.68 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 2    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 3    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 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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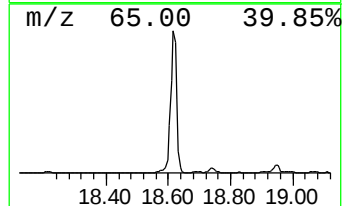
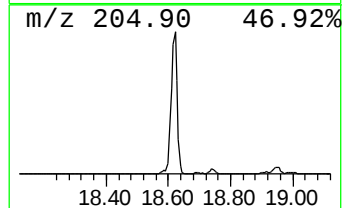
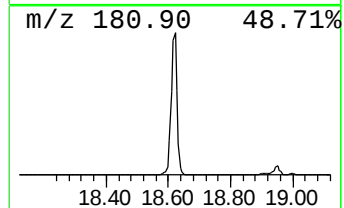
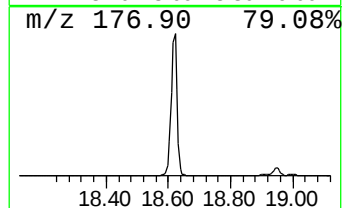
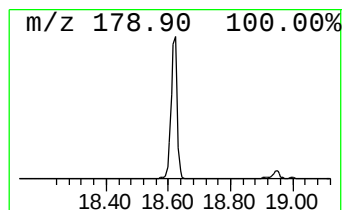
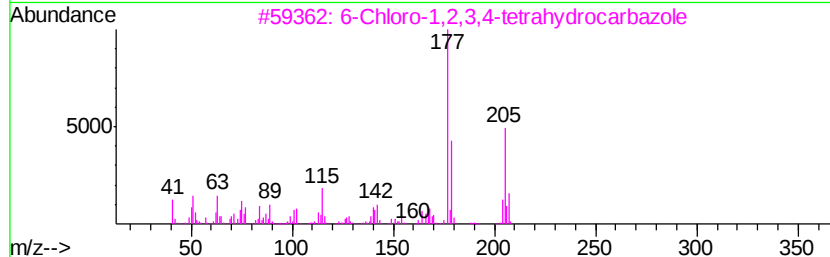
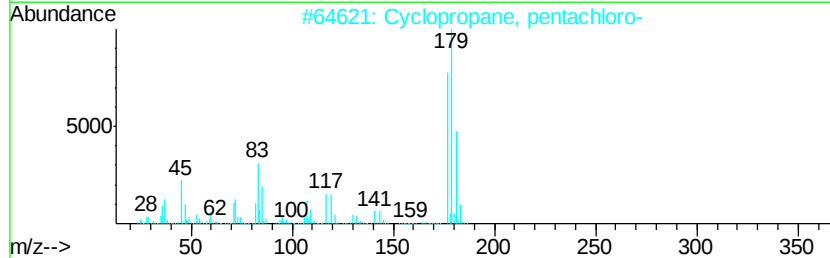
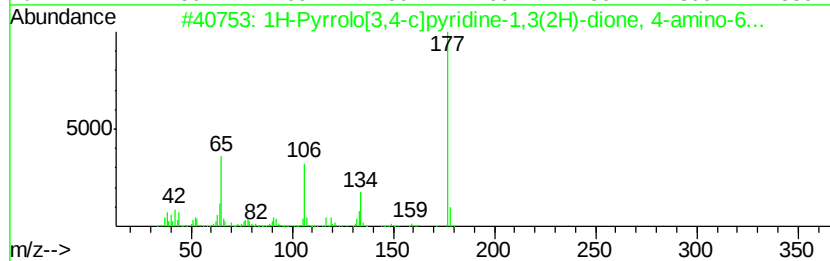
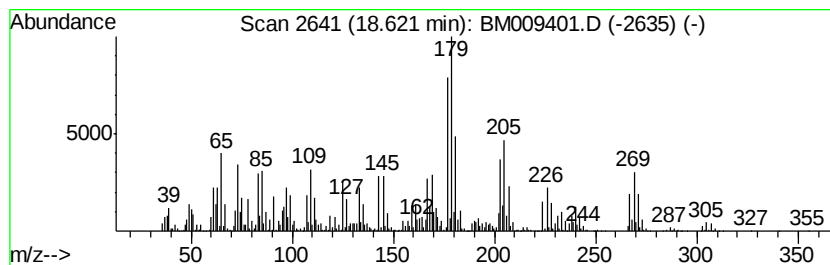
Instrument :  
BNA\_M  
ClientSampleId :  
C0BM9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 unknown-01 Concentration Rank 1

| R.T.    | EstConc     | Area                                 | Relative to ISTD | R.T.      |              |      |
|---------|-------------|--------------------------------------|------------------|-----------|--------------|------|
| 18.62   | 57.94 ng/ul | 12389000                             | Phenanthrene-d10 | 17.24     |              |      |
| Hit# of | 5           | Tentative ID                         | MW               | MolForm   | CAS#         | Qual |
| 1       |             | 1H-Pyrrolo[3,4-c]pyridine-1,3(2H...  | 177              | C8H7N3O2  | 090004-20-9  | 35   |
| 2       |             | Cyclopropane, pentachloro-           | 212              | C3HCl5    | 006262-51-7  | 27   |
| 3       |             | 6-Chloro-1,2,3,4-tetrahydrocarba...  | 205              | C12H12ClN | 036684-65-8  | 25   |
| 4       |             | 2-Butenoic acid, -2-ethynyl, meth... | 124              | C7H8O2    | 1000222-03-1 | 12   |
| 5       |             | 2,4,6-Trifluoronitrobenzene          | 177              | C6H2F3NO2 | 000315-14-0  | 11   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032417\  
Data File : BM009401.D  
Acq On : 25 Mar 2017 03:49  
Operator : SJ/MA  
Sample : I2358-11  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BM9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.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-     | 5.20  | 15.1    | ng/ul | 204652000 | 1                     | 7.93  | 271789000 | 20.0 |
| Benzene, 1,3-dich... | 7.77  | 12.0    | ng/ul | 162484000 | 1                     | 7.93  | 271789000 | 20.0 |
| Benzene, 1,4-dich... | 8.29  | 23.0    | ng/ul | 312899000 | 1                     | 7.93  | 271789000 | 20.0 |
| Benzene, 1,2,3-tr... | 10.57 | 20.0    | ng/ul | 282861000 | 2                     | 10.68 | 282861000 | 20.0 |
| Benzene, 1,2,4-tr... | 11.07 | 7.2     | ng/ul | 101659000 | 2                     | 10.68 | 282861000 | 20.0 |
| unknown-01           | 18.62 | 57.9    | ng/ul | 12389000  | 4                     | 17.24 | 4276390   | 20.0 |