

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
 Data File : BM016844.D  
 Acq On : 21 Sep 2018 22:18  
 Operator : SJ/JU  
 Sample : J5013-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C08R4

## 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-BM091018MA.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      | 3.016    | 3          | 5        | 11        | rVB   | 2416162     | 2762269    | 1.30%        | 0.254%     |
| 2      | 5.093    | 348        | 358      | 361       | rBV4  | 50313790    | 127273152  | 60.07%       | 11.705%    |
| 3      | 6.422    | 575        | 584      | 592       | rVB   | 617703      | 1000021    | 0.47%        | 0.092%     |
| 4      | 6.675    | 614        | 627      | 631       | rBV   | 208666      | 424928     | 0.20%        | 0.039%     |
| 5      | 6.716    | 631        | 634      | 641       | rVB   | 144226      | 227467     | 0.11%        | 0.021%     |
| 6      | 6.898    | 658        | 665      | 677       | rVB   | 266184      | 491034     | 0.23%        | 0.045%     |
| 7      | 7.092    | 687        | 698      | 708       | rBV   | 541807      | 1575155    | 0.74%        | 0.145%     |
| 8      | 7.269    | 720        | 728      | 742       | rVB   | 771945      | 1726655    | 0.81%        | 0.159%     |
| 9      | 7.463    | 751        | 761      | 772       | rVB3  | 80046       | 276047     | 0.13%        | 0.025%     |
| 10     | 7.639    | 779        | 791      | 805       | rBV   | 29214526    | 127123025  | 60.00%       | 11.692%    |
| 11     | 7.798    | 805        | 818      | 820       | rBV4  | 53341522    | 161313691  | 76.14%       | 14.836%    |
| 12     | 8.139    | 861        | 876      | 878       | rBV4  | 53809287    | 186724091  | 88.13%       | 17.173%    |
| 13     | 8.434    | 920        | 926      | 934       | rVB   | 865064      | 1346388    | 0.64%        | 0.124%     |
| 14     | 8.886    | 996        | 1003     | 1006      | rVV   | 1090180     | 2027562    | 0.96%        | 0.186%     |
| 15     | 8.945    | 1006       | 1013     | 1027      | rVB   | 13721579    | 24804056   | 11.71%       | 2.281%     |
| 16     | 9.216    | 1051       | 1059     | 1070      | rBV   | 1523138     | 2408444    | 1.14%        | 0.222%     |
| 17     | 9.439    | 1089       | 1097     | 1101      | rBV   | 156927      | 261751     | 0.12%        | 0.024%     |
| 18     | 9.528    | 1107       | 1112     | 1117      | rVB   | 695150      | 1185347    | 0.56%        | 0.109%     |
| 19     | 9.598    | 1117       | 1124     | 1132      | rBV2  | 964089      | 2012847    | 0.95%        | 0.185%     |
| 20     | 10.128   | 1207       | 1214     | 1222      | rBV   | 1408727     | 2504372    | 1.18%        | 0.230%     |
| 21     | 10.416   | 1248       | 1263     | 1266      | rBV6  | 58000045    | 211872107  | 100.00%      | 19.486%    |
| 22     | 10.528   | 1276       | 1282     | 1288      | rBV   | 1558437     | 2320697    | 1.10%        | 0.213%     |
| 23     | 10.916   | 1335       | 1348     | 1354      | rBV   | 46797991    | 103679760  | 48.94%       | 9.536%     |
| 24     | 11.110   | 1372       | 1381     | 1391      | rBV   | 10209643    | 17729864   | 8.37%        | 1.631%     |
| 25     | 11.322   | 1407       | 1417     | 1425      | rBV   | 2068841     | 3582900    | 1.69%        | 0.330%     |
| 26     | 11.798   | 1487       | 1498     | 1507      | rVB2  | 462949      | 869438     | 0.41%        | 0.080%     |
| 27     | 12.486   | 1604       | 1615     | 1619      | rBV4  | 540186      | 1223023    | 0.58%        | 0.112%     |
| 28     | 12.539   | 1619       | 1624     | 1632      | rVB   | 2657812     | 4275308    | 2.02%        | 0.393%     |
| 29     | 12.757   | 1655       | 1661     | 1673      | rVB3  | 121786      | 286766     | 0.14%        | 0.026%     |
| 30     | 12.927   | 1684       | 1690     | 1696      | rBV   | 263198      | 401429     | 0.19%        | 0.037%     |
| 31     | 13.151   | 1721       | 1728     | 1738      | rVB   | 10648130    | 16352431   | 7.72%        | 1.504%     |
| 32     | 13.363   | 1760       | 1764     | 1770      | rVB   | 247482      | 351122     | 0.17%        | 0.032%     |
| 33     | 13.745   | 1822       | 1829     | 1830      | rBV   | 663130      | 904428     | 0.43%        | 0.083%     |
| 34     | 13.774   | 1830       | 1834     | 1839      | rVV   | 2758707     | 3783399    | 1.79%        | 0.348%     |

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ALS Vial : 23 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :  
C08R4

## Integration Parameters: LSCINT.P

Integrator: RTE  
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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-BM091018MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |       |        |
|----|--------|------|------|------|------|----------|----------|-------|--------|
| 35 | 14.051 | 1875 | 1881 | 1889 | rVV  | 3333036  | 4808707  | 2.27% | 0.442% |
| 36 | 14.357 | 1928 | 1933 | 1945 | rVB2 | 1885091  | 2983258  | 1.41% | 0.274% |
| 37 | 14.551 | 1962 | 1966 | 1978 | rVV3 | 294340   | 465271   | 0.22% | 0.043% |
| 38 | 14.674 | 1978 | 1987 | 1993 | rVB  | 139718   | 213293   | 0.10% | 0.020% |
| 39 | 15.351 | 2095 | 2102 | 2109 | rBV  | 4089365  | 5948371  | 2.81% | 0.547% |
| 40 | 15.468 | 2116 | 2122 | 2132 | rBV  | 1111718  | 1541403  | 0.73% | 0.142% |
| 41 | 16.504 | 2294 | 2298 | 2303 | rVB2 | 215188   | 288843   | 0.14% | 0.027% |
| 42 | 17.104 | 2391 | 2400 | 2406 | rBV2 | 2302285  | 3331705  | 1.57% | 0.306% |
| 43 | 17.204 | 2411 | 2417 | 2428 | rVV  | 4503684  | 6181704  | 2.92% | 0.569% |
| 44 | 17.298 | 2428 | 2433 | 2437 | rVV2 | 193109   | 352958   | 0.17% | 0.032% |
| 45 | 17.339 | 2437 | 2440 | 2448 | rVB2 | 208779   | 360838   | 0.17% | 0.033% |
| 46 | 17.821 | 2513 | 2522 | 2527 | rVB3 | 201588   | 323979   | 0.15% | 0.030% |
| 47 | 18.074 | 2559 | 2565 | 2571 | rVV4 | 174214   | 287634   | 0.14% | 0.026% |
| 48 | 18.480 | 2629 | 2634 | 2643 | rVB  | 12502452 | 17294125 | 8.16% | 1.591% |
| 49 | 18.556 | 2643 | 2647 | 2651 | rVV3 | 176810   | 242208   | 0.11% | 0.022% |
| 50 | 18.603 | 2651 | 2655 | 2665 | rVB  | 634311   | 1002827  | 0.47% | 0.092% |
| 51 | 18.780 | 2679 | 2685 | 2686 | rBV2 | 348959   | 525562   | 0.25% | 0.048% |
| 52 | 18.809 | 2686 | 2690 | 2695 | rVV  | 1022861  | 1646141  | 0.78% | 0.151% |
| 53 | 18.856 | 2695 | 2698 | 2704 | rVB2 | 260510   | 387557   | 0.18% | 0.036% |
| 54 | 19.362 | 2780 | 2784 | 2794 | rVB2 | 179297   | 292654   | 0.14% | 0.027% |
| 55 | 19.498 | 2801 | 2807 | 2818 | rBV  | 5333493  | 7475402  | 3.53% | 0.688% |
| 56 | 21.292 | 3107 | 3112 | 3120 | rBV  | 3263634  | 4095073  | 1.93% | 0.377% |
| 57 | 23.386 | 3461 | 3468 | 3475 | rBV  | 4245255  | 7949700  | 3.75% | 0.731% |
| 58 | 23.527 | 3486 | 3492 | 3503 | rVB  | 2307636  | 4201709  | 1.98% | 0.386% |

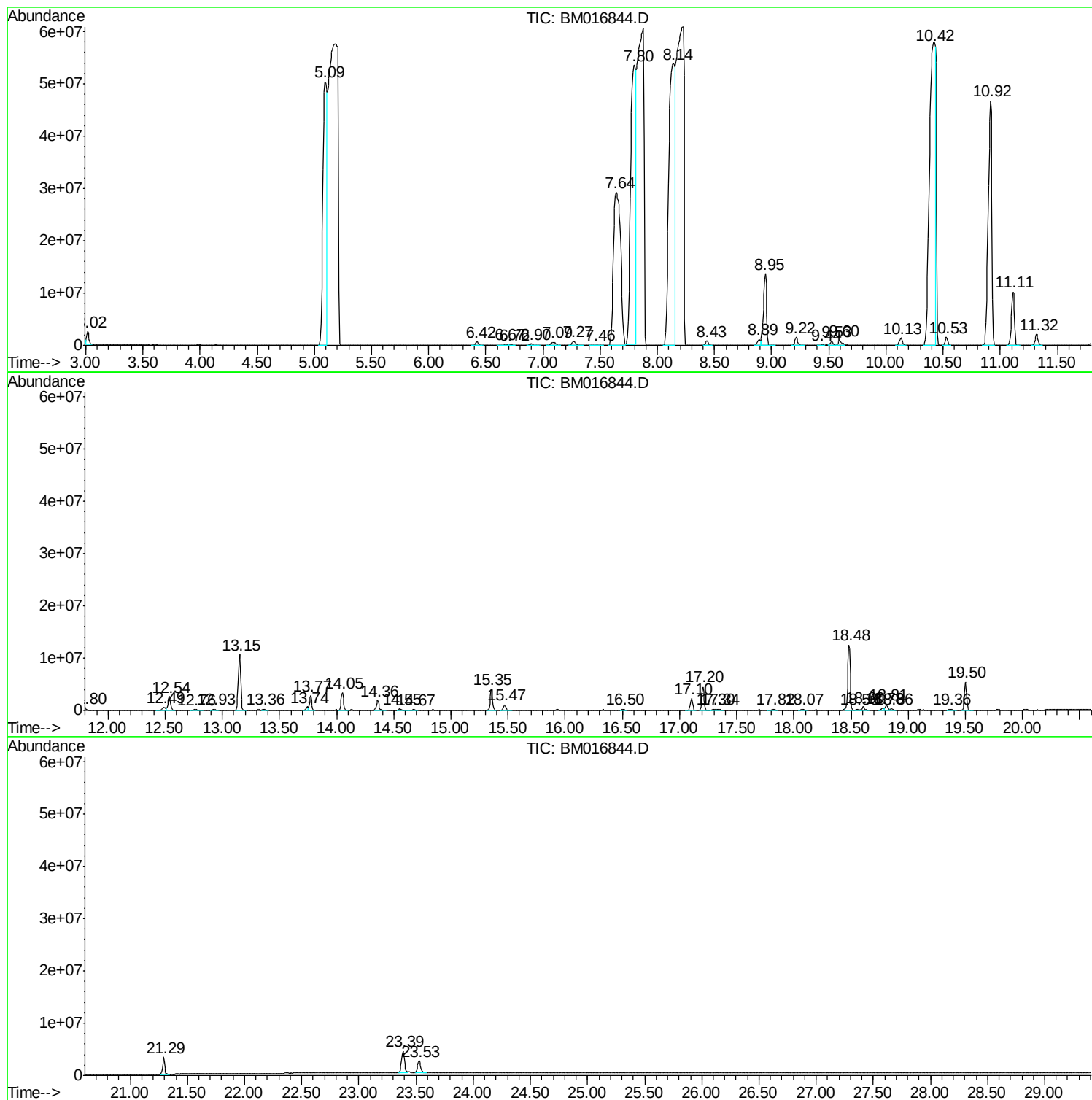
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BNA\_M  
ClientSampled :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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



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Instrument :  
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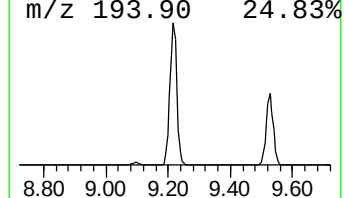
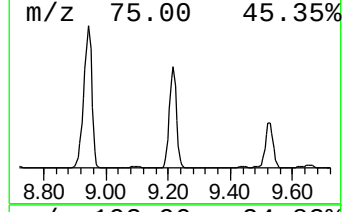
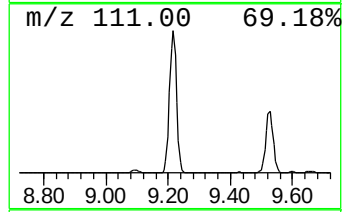
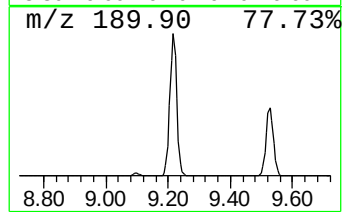
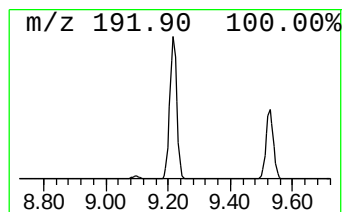
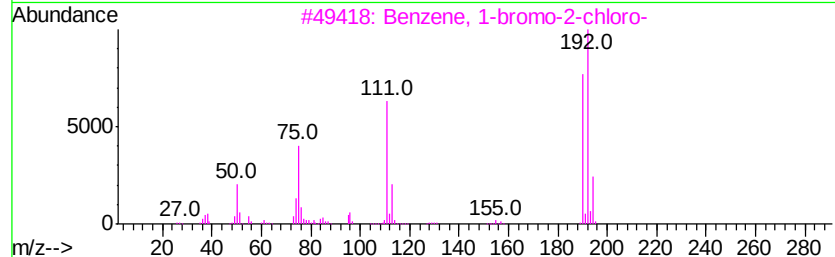
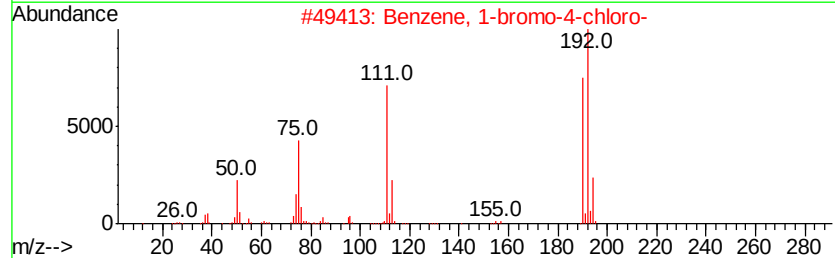
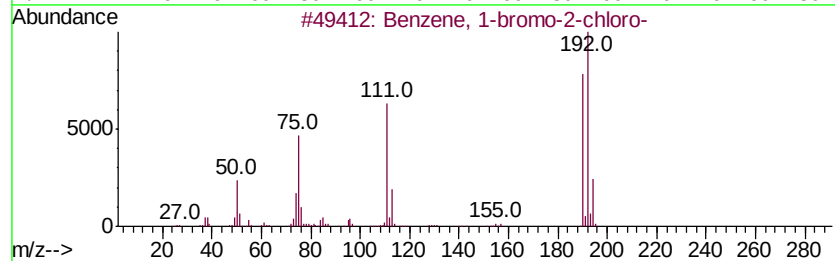
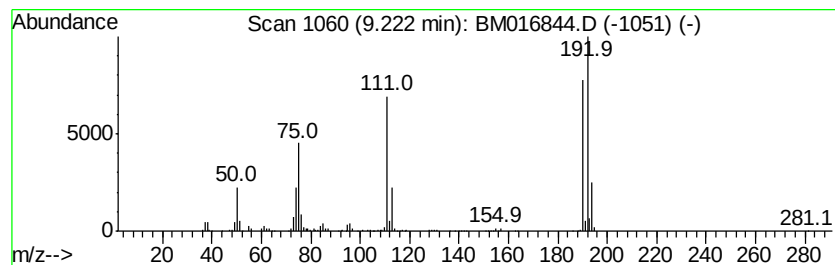
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Benzene, 1-bromo-2-chloro- Concentration Rank 7

| R.T. | EstConc     | Area    | Relative to ISTD | R.T.  |
|------|-------------|---------|------------------|-------|
| 9.22 | 20.76 ng/ul | 2408440 | Napthalene-d8    | 10.53 |

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



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Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

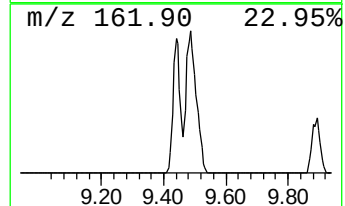
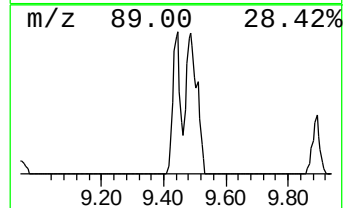
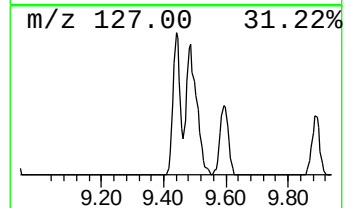
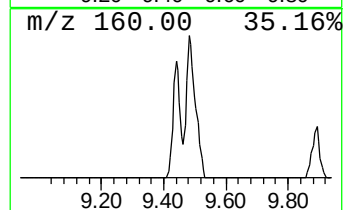
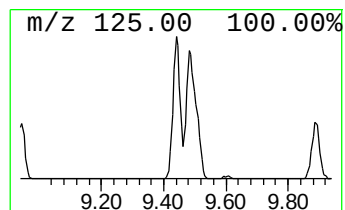
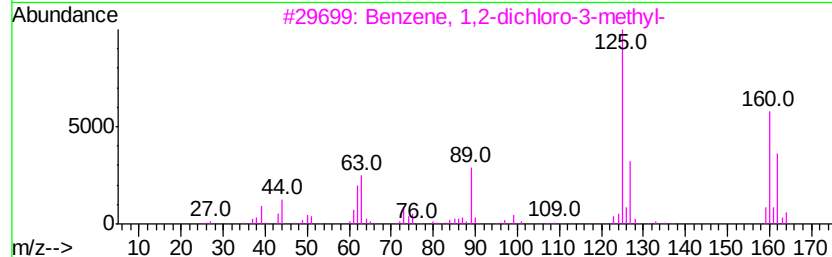
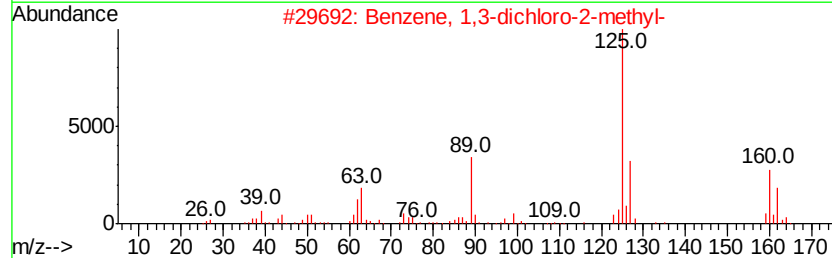
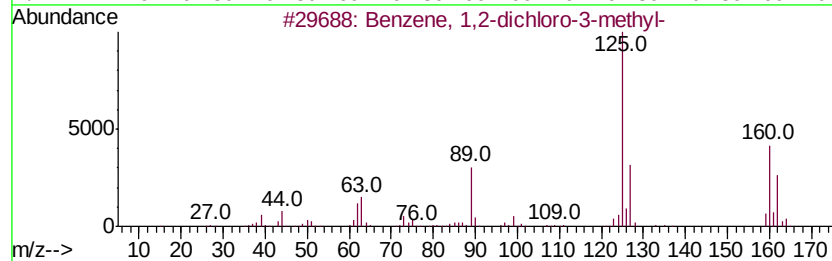
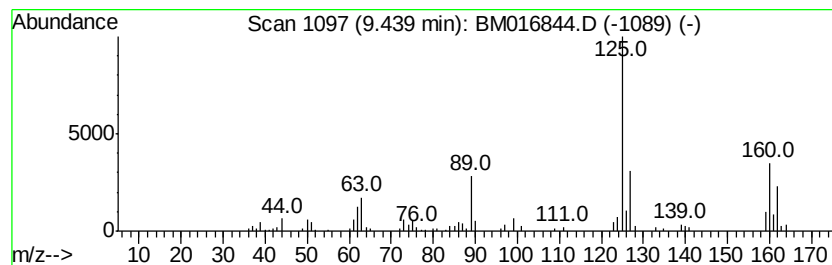
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1,2-dichloro-3-met... Concentration Rank 19

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.44 | 2.26 ng/ul | 261751 | Napthalene-d8    | 10.53 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2-dichloro-3-methyl- | 160 | C7H6Cl2 | 032768-54-0 | 98   |
| 2    |    | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 97   |
| 3    |    | Benzene, 1,2-dichloro-3-methyl- | 160 | C7H6Cl2 | 032768-54-0 | 97   |
| 4    |    | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 97   |
| 5    |    | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 97   |



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Instrument :  
BNA\_M  
ClientSampleId :  
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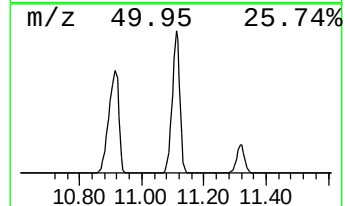
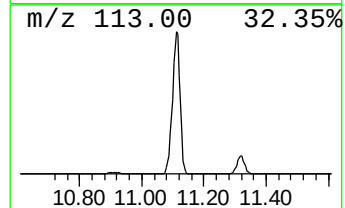
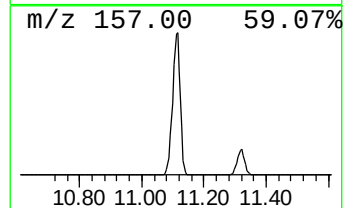
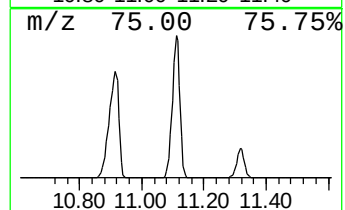
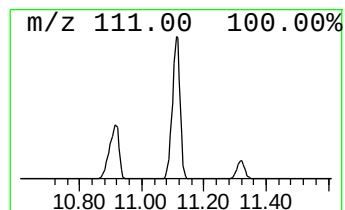
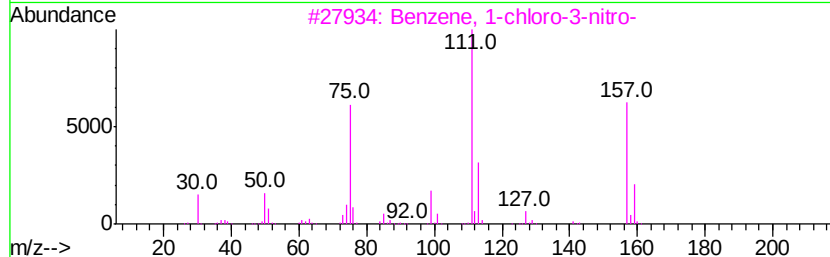
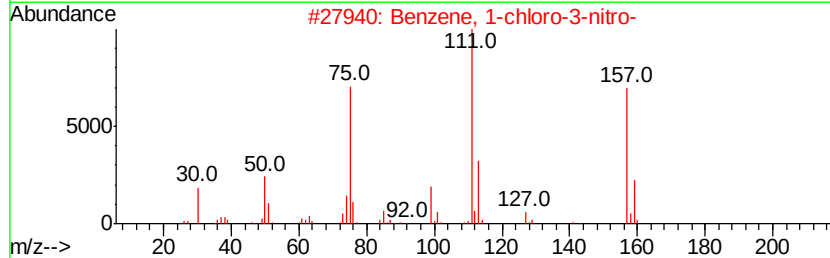
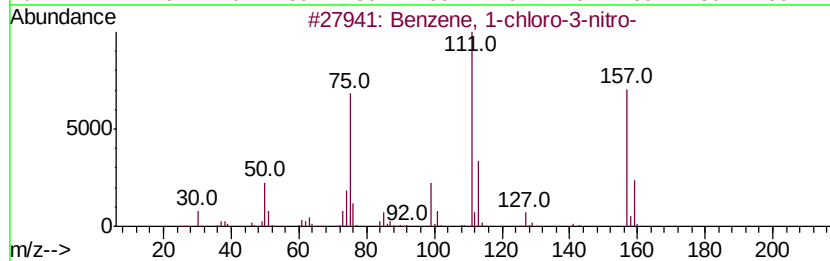
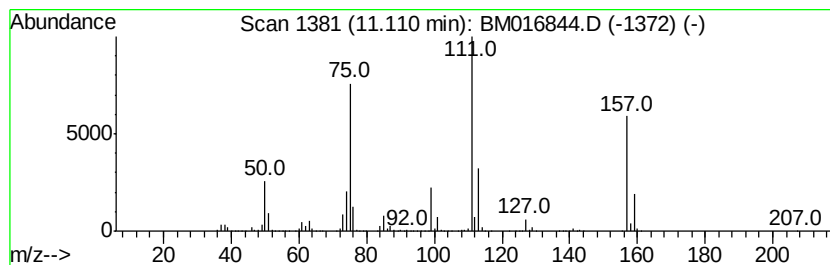
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.  | EstConc      | Area     | Relative to ISTD | R.T.  |
|-------|--------------|----------|------------------|-------|
| 11.11 | 152.80 ng/ul | 17729900 | Naphthalene-d8   | 10.53 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 98   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97   |
| 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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Quant Title : SVOA CALIBRATION

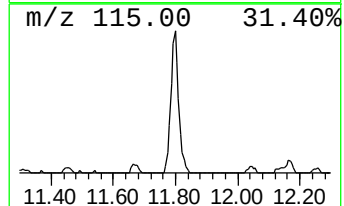
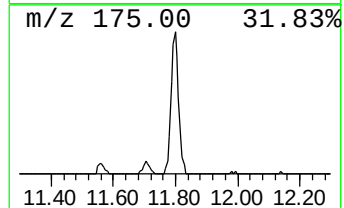
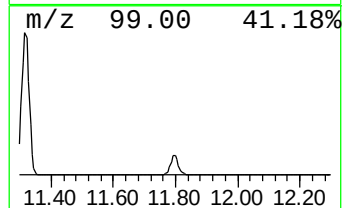
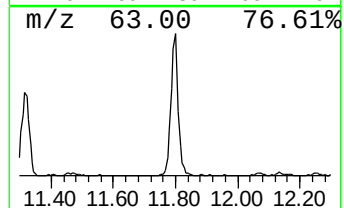
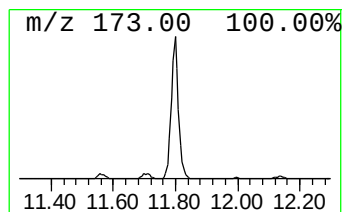
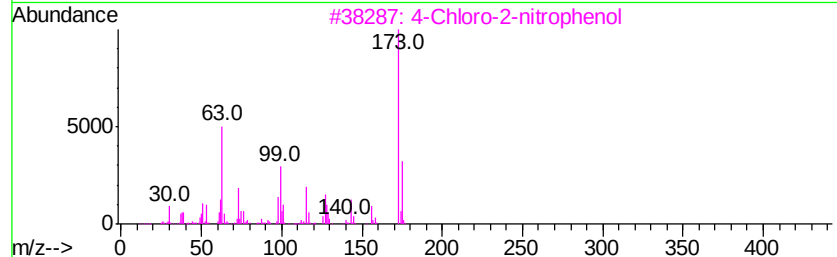
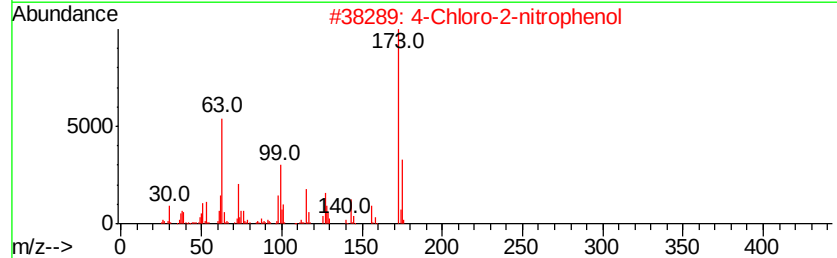
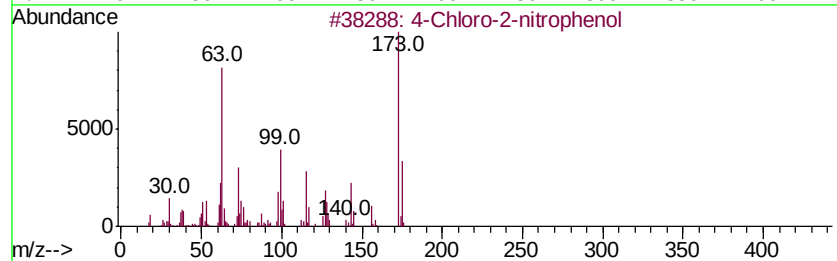
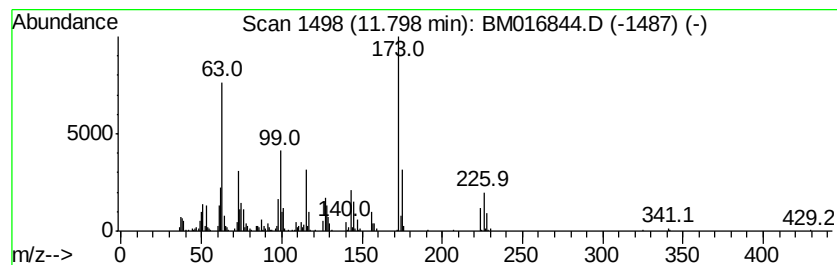
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 4-Chloro-2-nitrophenol Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.80 | 7.49 ng/ul | 869438 | Naphthalene-d8   | 10.53 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm   | CAS#        | Qual |
|------|----|---|---------------------------|-----|-----------|-------------|------|
| 1    |    |   | 4-Chloro-2-nitrophenol    | 173 | C6H4ClNO3 | 000089-64-5 | 99   |
| 2    |    |   | 4-Chloro-2-nitrophenol    | 173 | C6H4ClNO3 | 000089-64-5 | 95   |
| 3    |    |   | 4-Chloro-2-nitrophenol    | 173 | C6H4ClNO3 | 000089-64-5 | 95   |
| 4    |    |   | Phenol, 5-chloro-2-nitro- | 173 | C6H4ClNO3 | 000611-07-4 | 87   |
| 5    |    |   | 3-Chloro-4-nitrophenol    | 173 | C6H4ClNO3 | 000491-11-2 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

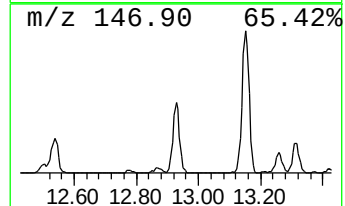
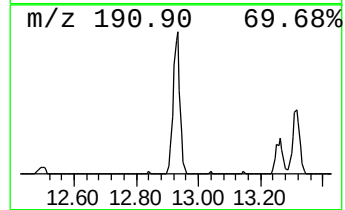
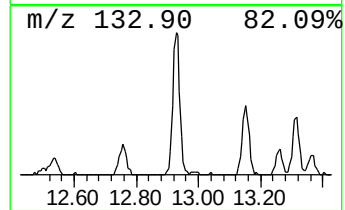
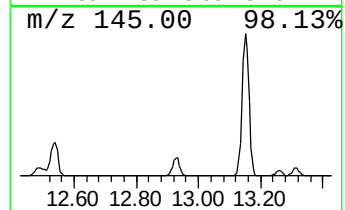
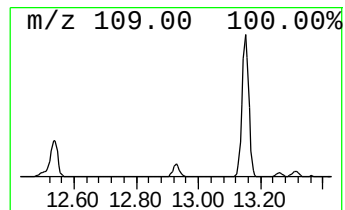
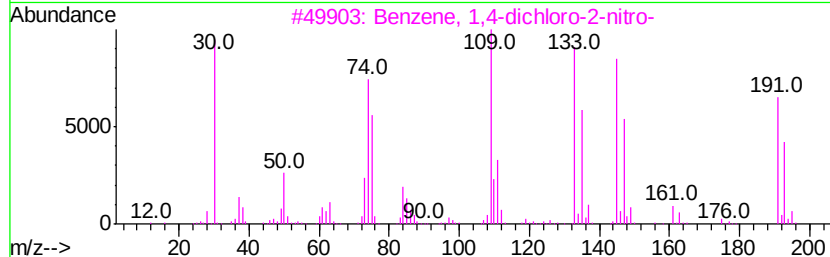
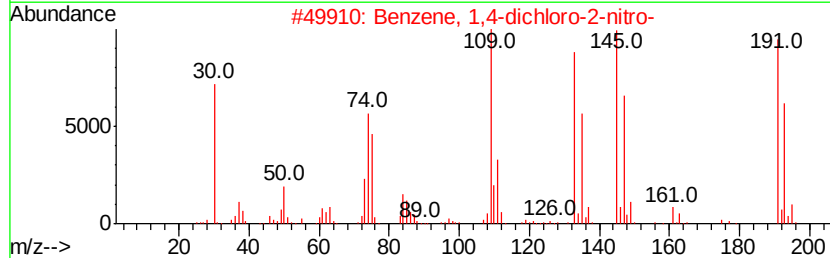
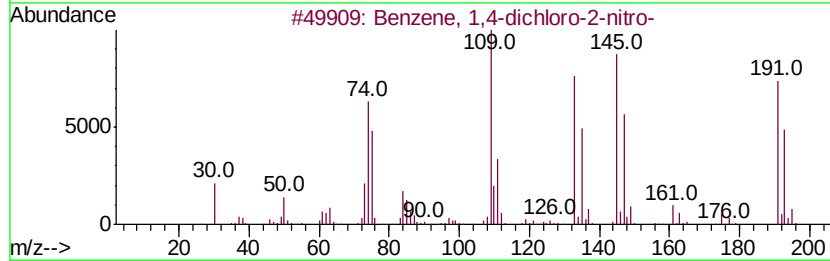
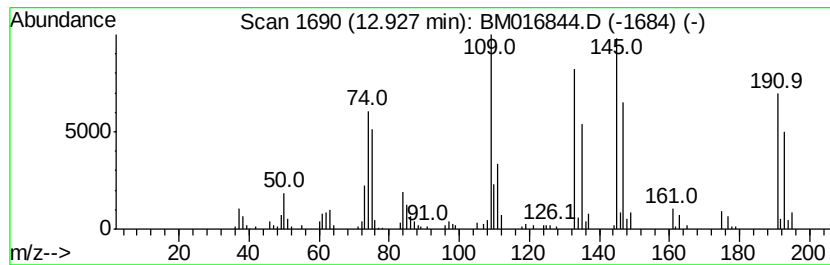
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Benzene, 1,4-dichloro-2-nitro- Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.93 | 2.69 ng/ul | 401429 | Acenaphthene-d10 | 14.36 |

| Hit# | of | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzene, 1,4-dichloro-2-nitro- | 191 | C6H3Cl2NO2 | 000089-61-2 | 99   |
| 2    |    | Benzene, 1,4-dichloro-2-nitro- | 191 | C6H3Cl2NO2 | 000089-61-2 | 99   |
| 3    |    | Benzene, 1,4-dichloro-2-nitro- | 191 | C6H3Cl2NO2 | 000089-61-2 | 98   |
| 4    |    | Benzene, 1,2-dichloro-3-nitro- | 191 | C6H3Cl2NO2 | 003209-22-1 | 93   |
| 5    |    | Benzene, 2,4-dichloro-1-nitro- | 191 | C6H3Cl2NO2 | 000611-06-3 | 93   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

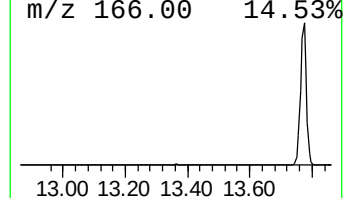
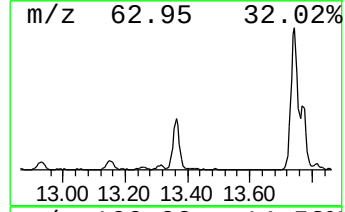
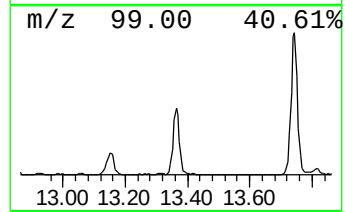
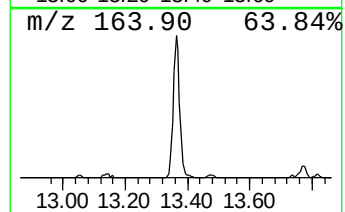
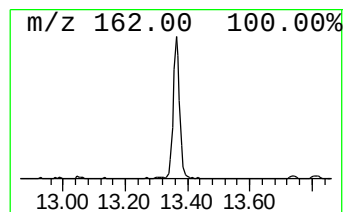
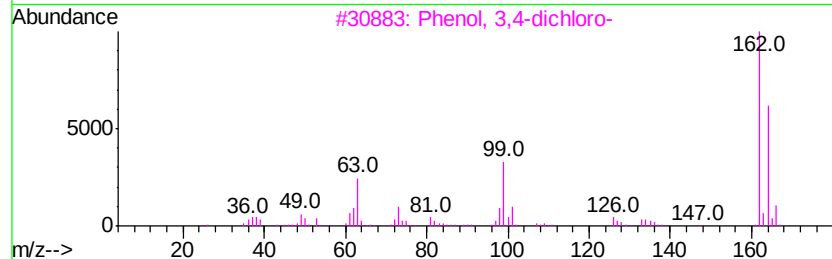
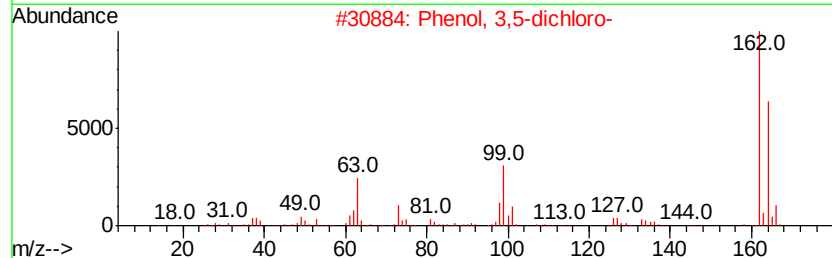
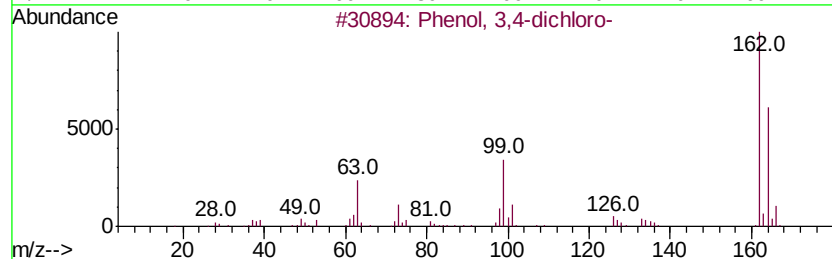
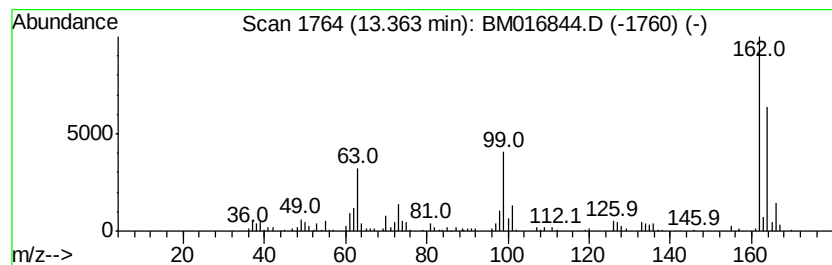
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Phenol, 3,4-dichloro- Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.36 | 2.35 ng/ul | 351122 | Acenaphthene-d10 | 14.36 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|----------|-------------|------|
| 1    | Phenol, 3,4-dichloro- |   |              | 162 | C6H4Cl2O | 000095-77-2 | 98   |
| 2    | Phenol, 3,5-dichloro- |   |              | 162 | C6H4Cl2O | 000591-35-5 | 98   |
| 3    | Phenol, 3,4-dichloro- |   |              | 162 | C6H4Cl2O | 000095-77-2 | 98   |
| 4    | Phenol, 3,5-dichloro- |   |              | 162 | C6H4Cl2O | 000591-35-5 | 96   |
| 5    | Phenol, 3,5-dichloro- |   |              | 162 | C6H4Cl2O | 000591-35-5 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

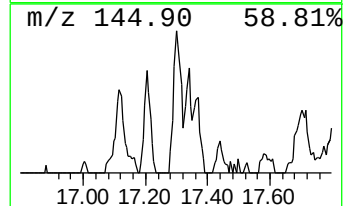
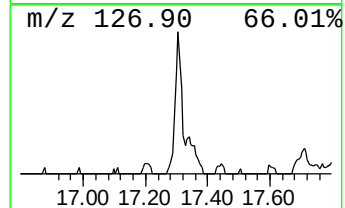
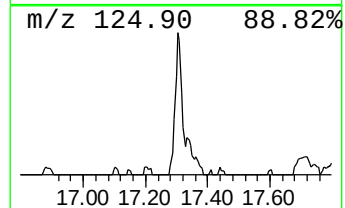
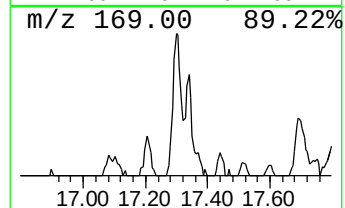
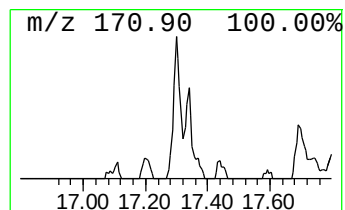
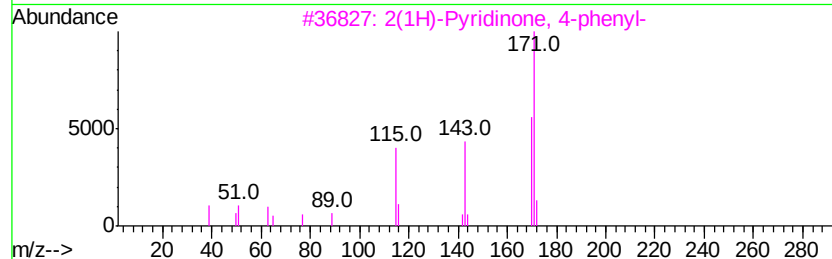
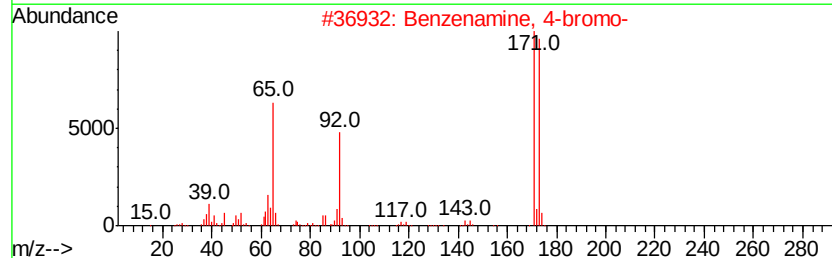
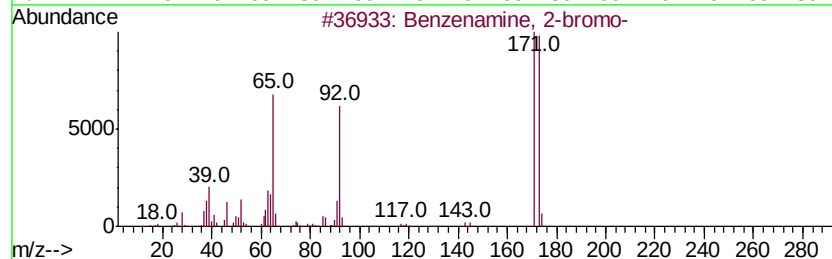
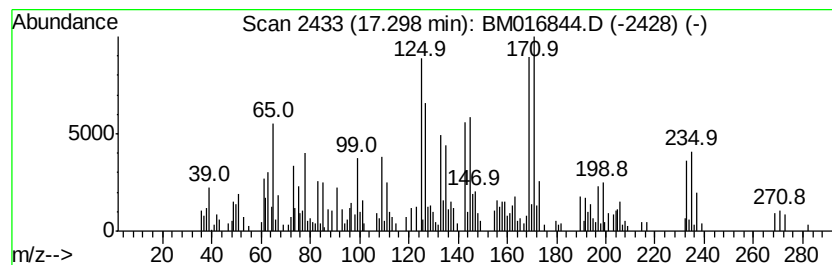
Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 15 unknown-01 Concentration Rank 21

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 17.30     | 2.12 ng/ul                          | 352958 | Phenanthrene-d10 | 17.10       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzenamine, 2-bromo-               | 171    | C6H6BrN          | 000615-36-1 | 27   |
| 2         | Benzenamine, 4-bromo-               | 171    | C6H6BrN          | 000106-40-1 | 16   |
| 3         | 2(1H)-Pvridinone, 4-phenyl-         | 171    | C11H9NO          | 019006-81-6 | 11   |
| 4         | p-Bromo-benzyl tetrahydropyran-2... | 270    | C12H15BrO2       | 017100-68-4 | 10   |
| 5         | Formamide, N-1-naphthalenyl-        | 171    | C11H9NO          | 006330-51-4 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

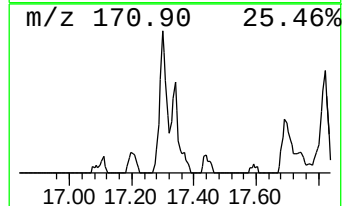
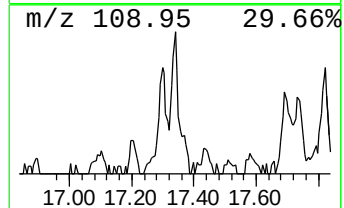
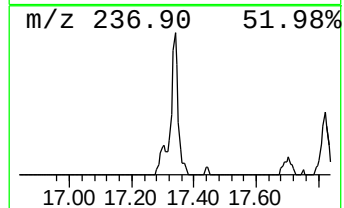
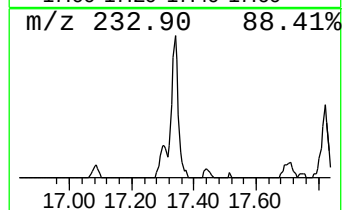
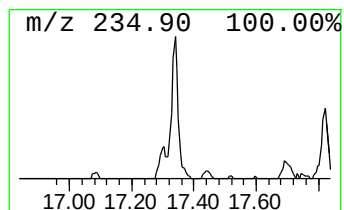
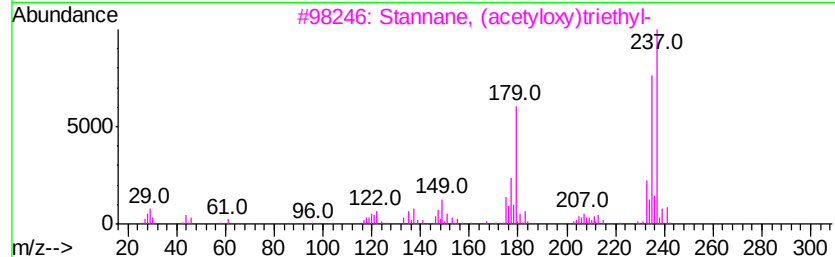
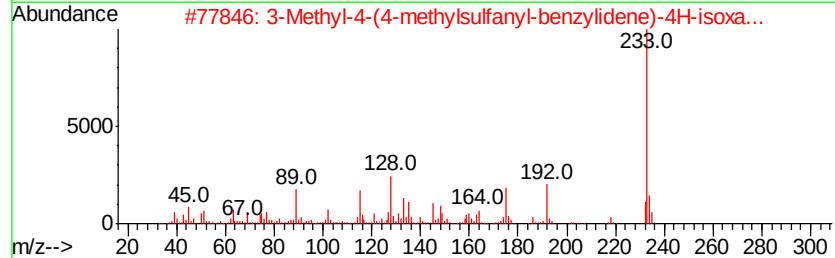
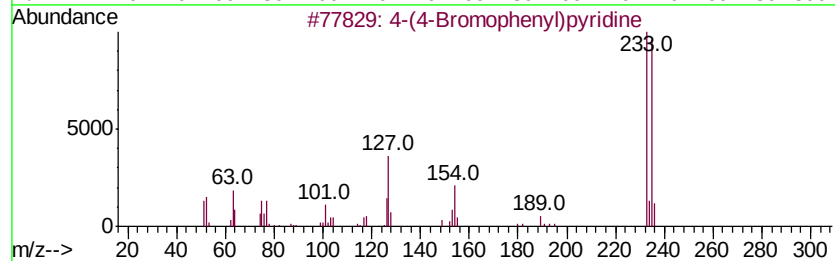
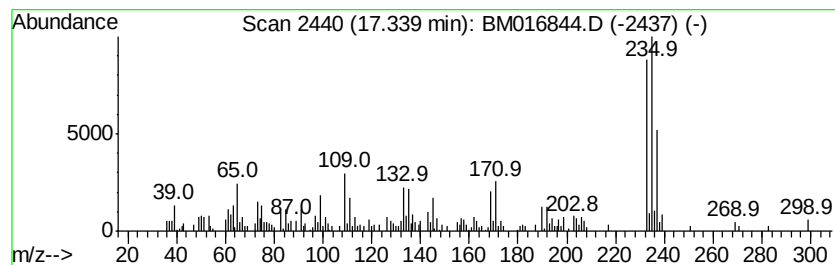
Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 unknown-02 Concentration Rank 20

| R.T.  | EstConc                               | Area   | Relative to ISTD |     | R.T.        |              |      |
|-------|---------------------------------------|--------|------------------|-----|-------------|--------------|------|
| 17.34 | 2.17 ng/ul                            | 360838 | Phenanthrene-d10 |     | 17.10       |              |      |
| Hit#  | of                                    | 5      | Tentative ID     | MW  | MolForm     | CAS#         | Qual |
| 1     | 4-(4-Bromophenyl)pyridine             |        |                  | 233 | C11H8BrN    | 039795-60-3  | 35   |
| 2     | 3-Methyl-4-(4-methylsulfanylnl-ben... |        |                  | 233 | C12H11N02S  | 146795-09-7  | 22   |
| 3     | Stannane, (acetyloxy)triethyl-        |        |                  | 266 | C8H18O2Sn   | 001907-13-7  | 22   |
| 4     | 3-Chloro-7-ethyl-1-(3-hydroxy-pr...   |        |                  | 294 | C14H19ClN4O | 1000274-38-9 | 22   |
| 5     | 4-Isothiazolecarboxylic acid, 5-...   |        |                  | 233 | C12H11N02S  | 021905-49-7  | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

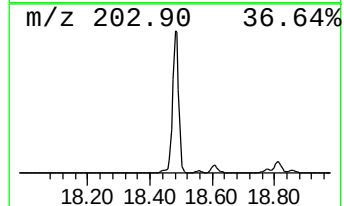
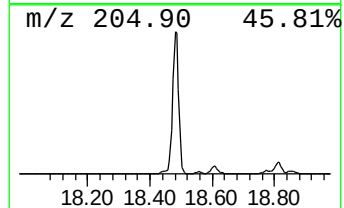
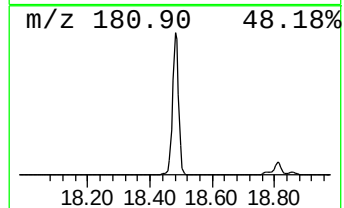
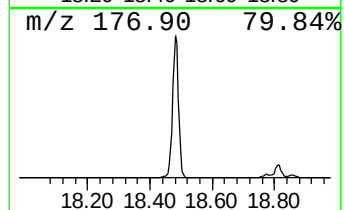
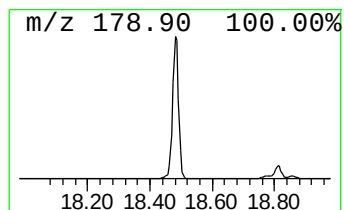
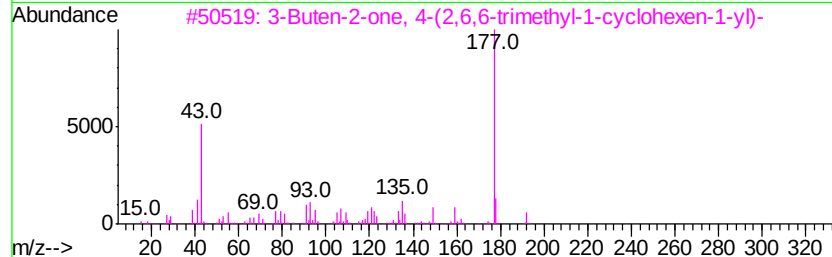
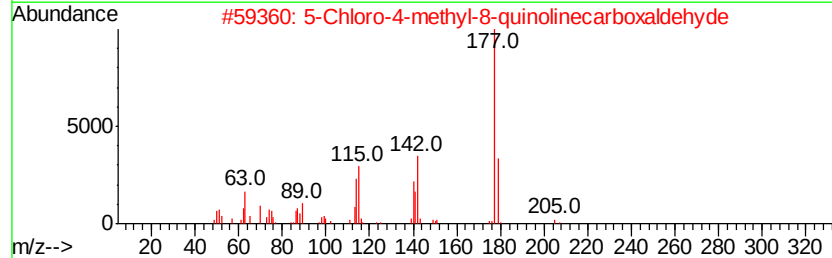
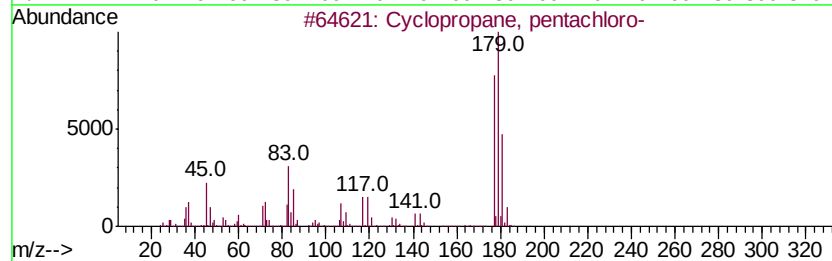
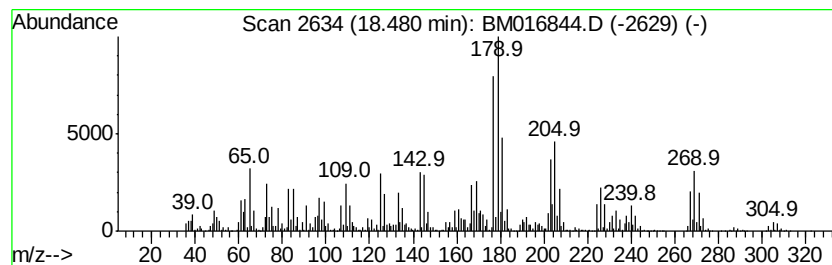
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 17 unknown-03 Concentration Rank 4

| R.T.    | EstConc      | Area                                | Relative to ISTD | R.T.           |
|---------|--------------|-------------------------------------|------------------|----------------|
| 18.48   | 103.82 ng/ul | 17294100                            | Phenanthrene-d10 | 17.10          |
| Hit# of | 5            | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |              | Cyclopropane, pentachloro-          | 212 C3HCl5       | 006262-51-7 43 |
| 2       |              | 5-Chloro-4-methyl-8-quinolinecar... | 205 C11H8ClNO    | 028662-47-7 27 |
| 3       |              | 3-Buten-2-one, 4-(2,6,6-trimethv... | 192 C13H20O      | 014901-07-6 25 |
| 4       |              | Octamethyl-1,4-cyclohexadiene       | 192 C14H24       | 172684-93-4 25 |
| 5       |              | 2,4,6-Trifluoronitrobenzene         | 177 C6H2F3NO2    | 000315-14-0 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

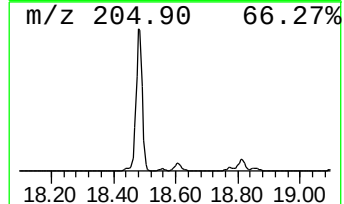
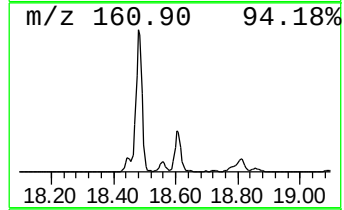
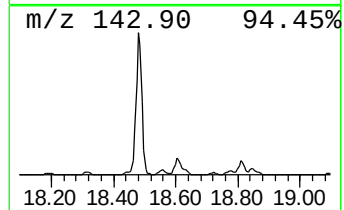
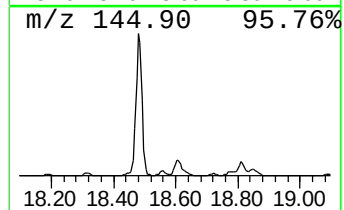
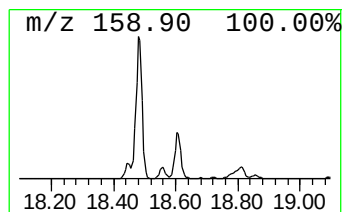
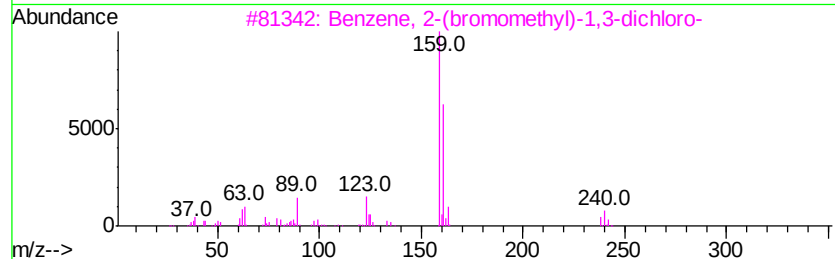
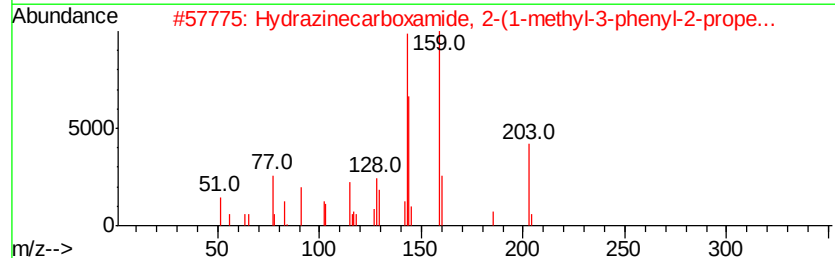
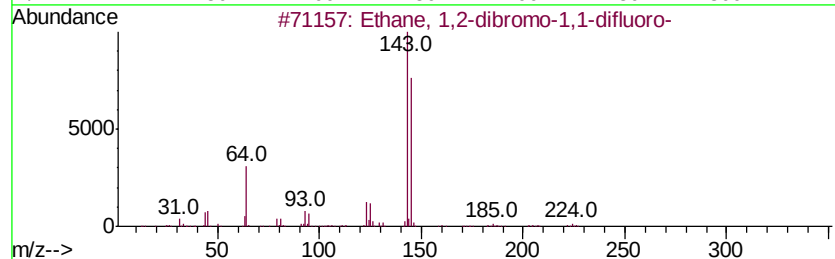
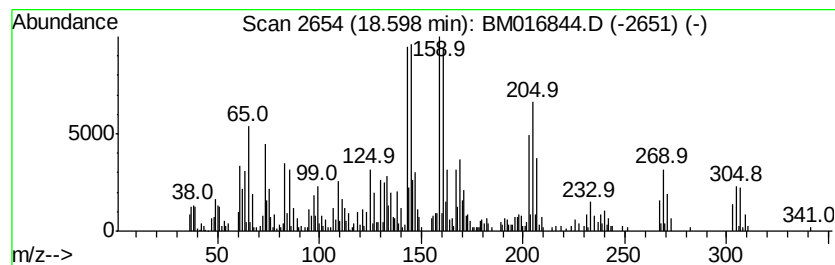
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown-04 Concentration Rank 14

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 18.60 | 6.02 ng/ul | 1002830 | Phenanthrene-d10 | 17.10 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Ethane, 1,2-dibromo-1,1-difluoro-   | 222 | C2H2Br2F2 | 000075-82-1  | 11   |
| 2    |    |   | Hydrazinecarboxamide, 2-(1-methy... | 203 | C11H13N3O | 005468-31-5  | 10   |
| 3    |    |   | Benzene, 2-(bromomethyl)-1,3-dic... | 238 | C7H5BrCl2 | 020443-98-5  | 10   |
| 4    |    |   | Benzo[blfuran-3-carboxamide         | 161 | C9H7N02   | 1000262-22-7 | 10   |
| 5    |    |   | Benzene, 2-(bromomethyl)-1,3-dic... | 238 | C7H5BrCl2 | 020443-98-5  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

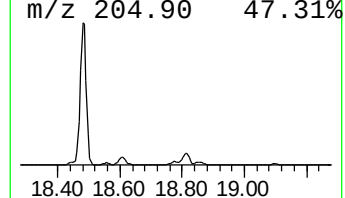
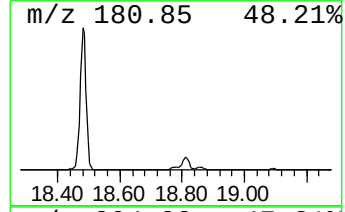
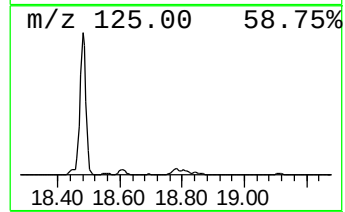
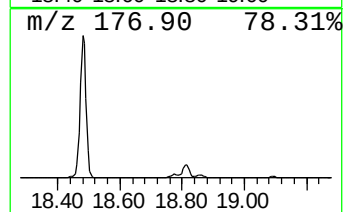
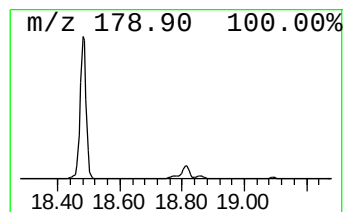
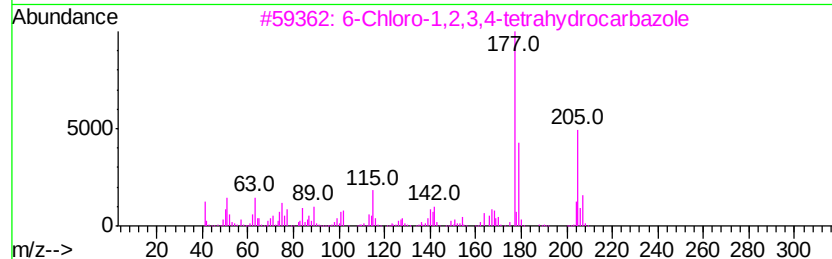
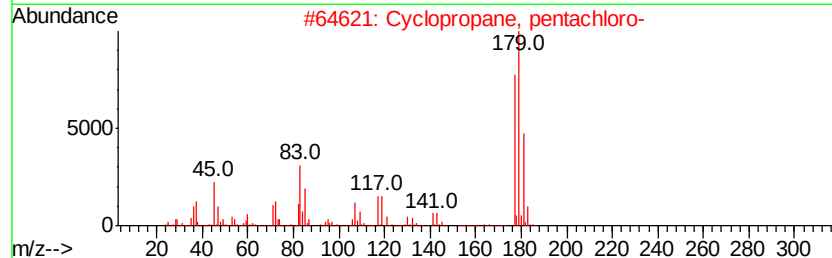
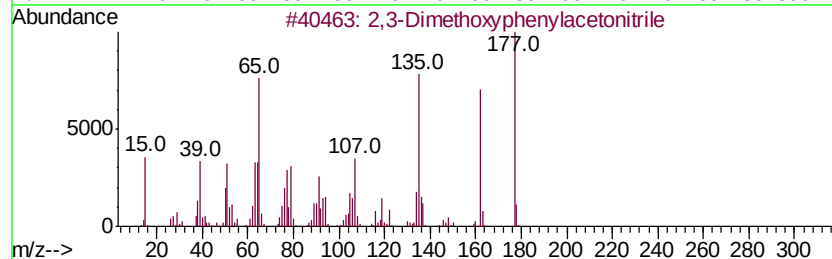
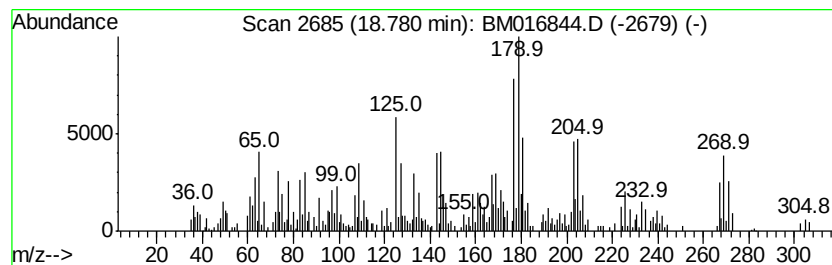
Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 19 unknown-05 Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.78     | 3.15 ng/ul                          | 525562 | Phenanthrene-d10 | 17.10       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2,3-Dimethoxyphenylacetonitrile     | 177    | C10H11NO2        | 004468-57-9 | 27   |
| 2         | Cyclopropane, pentachloro-          | 212    | C3HCl5           | 006262-51-7 | 12   |
| 3         | 6-Chloro-1,2,3,4-tetrahydrocarba... | 205    | C12H12ClN        | 036684-65-8 | 11   |
| 4         | Trimethylphenylgermanium            | 196    | C9H14Ge          | 001626-00-2 | 11   |
| 5         | Isothiazole, 5-bromo-3-methyl-      | 177    | C4H4BrNS         | 020493-60-1 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

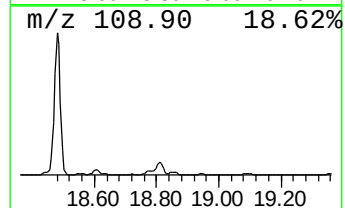
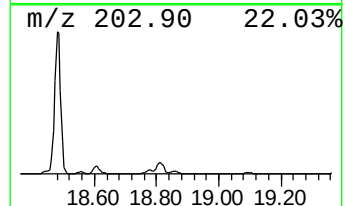
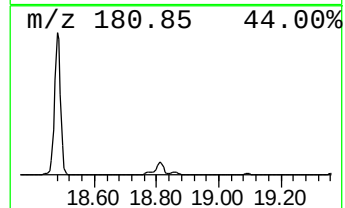
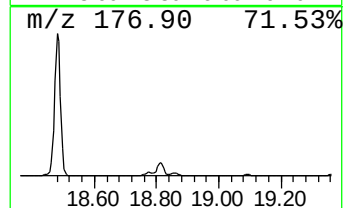
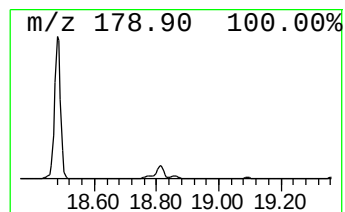
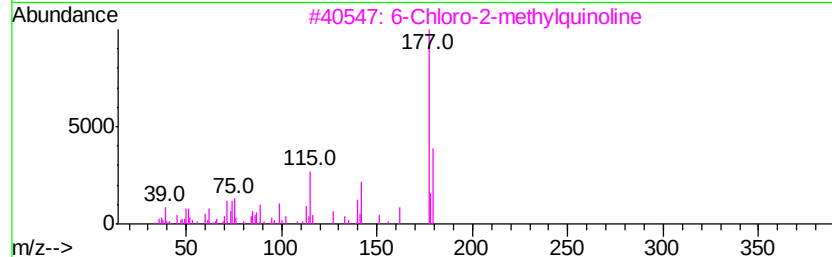
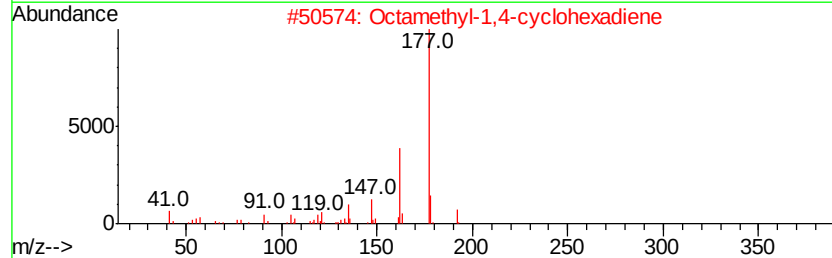
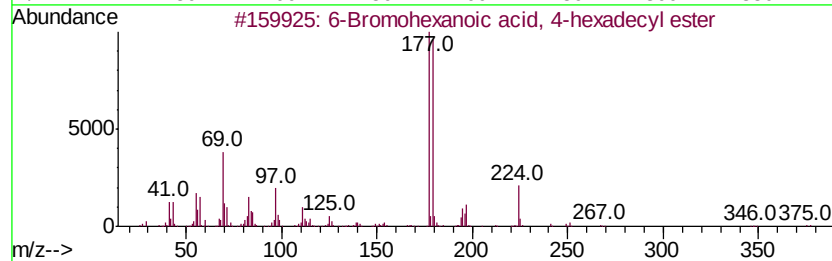
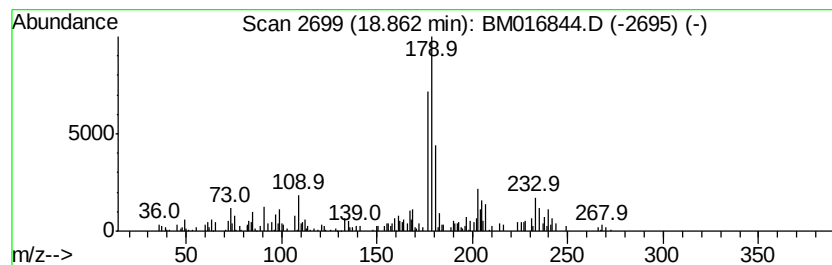
Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 21 unknown-06 Concentration Rank 18

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.         |      |      |
|---------|--------------------------------------|--------------|------------------|--------------|------|------|
| 18.86   | 2.33 ng/ul                           | 387557       | Phenanthrene-d10 | 17.10        |      |      |
| Hit# of | 5                                    | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 6-Bromohexanoic acid, 4-hexadecyl... | 418          | C22H43BrO2       | 1000282-90-6 | 25   |      |
| 2       | Octamethyl-1,4-cyclohexadiene        | 192          | C14H24           | 172684-93-4  | 18   |      |
| 3       | 6-Chloro-2-methylquinoline           | 177          | C10H8ClN         | 000092-46-6  | 16   |      |
| 4       | 4(1H)-Pteridinone, 2-amino-7-met...  | 177          | C7H7N5O          | 013040-58-9  | 14   |      |
| 5       | Benzothiazole-6-carboxylic acid      | 179          | C8H5N02S         | 003622-35-3  | 14   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM092118\  
Data File : BM016844.D  
Acq On : 21 Sep 2018 22:18  
Operator : SJ/JU  
Sample : J5013-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C08R4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.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-... | 9.22  | 20.8    | ng/ul | 2408440  | 2                     | 10.53 | 2320700 | 20.0 |
| Benzene, 1,2-dich... | 9.44  | 2.3     | ng/ul | 261751   | 2                     | 10.53 | 2320700 | 20.0 |
| Benzene, 1-chloro... | 11.11 | 152.8   | ng/ul | 17729900 | 2                     | 10.53 | 2320700 | 20.0 |
| 4-Chloro-2-nitrop... | 11.80 | 7.5     | ng/ul | 869438   | 2                     | 10.53 | 2320700 | 20.0 |
| Benzene, 1,4-dich... | 12.93 | 2.7     | ng/ul | 401429   | 3                     | 14.36 | 2983260 | 20.0 |
| Phenol, 3,4-dichl... | 13.36 | 2.4     | ng/ul | 351122   | 3                     | 14.36 | 2983260 | 20.0 |
| unknown-01           | 17.30 | 2.1     | ng/ul | 352958   | 4                     | 17.10 | 3331710 | 20.0 |
| unknown-02           | 17.34 | 2.2     | ng/ul | 360838   | 4                     | 17.10 | 3331710 | 20.0 |
| unknown-03           | 18.48 | 103.8   | ng/ul | 17294100 | 4                     | 17.10 | 3331710 | 20.0 |
| unknown-04           | 18.60 | 6.0     | ng/ul | 1002830  | 4                     | 17.10 | 3331710 | 20.0 |
| unknown-05           | 18.78 | 3.1     | ng/ul | 525562   | 4                     | 17.10 | 3331710 | 20.0 |
| unknown-06           | 18.86 | 2.3     | ng/ul | 387557   | 4                     | 17.10 | 3331710 | 20.0 |