

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083118\  
 Data File : BN002560.D  
 Acq On : 31 Aug 2018 15:09  
 Operator : JU/SJ  
 Sample : J4665-02MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0AA0MS

Manual Integrations  
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Quant Time: Aug 31 17:02:39 2018  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 25 04:34:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 162278   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 767319   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 472560   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1103515  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1163357  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.46 | 264  | 1099295  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 17455m  | 5.08  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 417489  | 28.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 277328  | 29.67 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 336276  | 29.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 368568  | 30.98 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 183363  | 30.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 212452  | 33.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 371538  | 31.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 518169  | 40.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.71 | 166 | 1401817 | 35.78 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 1669386 | 34.74 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 186532  | 25.19 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.29 | 176 | 1193985 | 35.15 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 181280  | 25.80 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1867104 | 35.42 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 2072669 | 37.23 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.32 | 264 | 2106946 | 36.65 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 6.88  | 94  | 422220  | 27.863 | ng/ul  | 92  |
| 10) 2-Chlorophenol             | 7.23  | 128 | 327138  | 28.670 | ng/ul# | 89  |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 336553  | 33.539 | ng/ul# | 84  |
| 33) 4-Chloro-3-methylphenol    | 11.73 | 107 | 442919  | 33.680 | ng/ul  | 100 |
| 44) Dimethylphthalate          | 13.76 | 163 | 335147  | 8.723  | ng/ul  | 99  |
| 49) Acenaphthene               | 14.36 | 153 | 1071135 | 33.187 | ng/ul  | 98  |
| 52) 4-Nitrophenol              | 14.53 | 109 | 176508  | 31.449 | ng/ul# | 90  |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165 | 388319  | 33.180 | ng/ul# | 87  |
| 68) Pentachlorophenol          | 16.70 | 266 | 236283  | 33.597 | ng/ul  | 99  |
| 79) Pyrene                     | 19.47 | 202 | 2493939 | 35.553 | ng/ul  | 99  |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

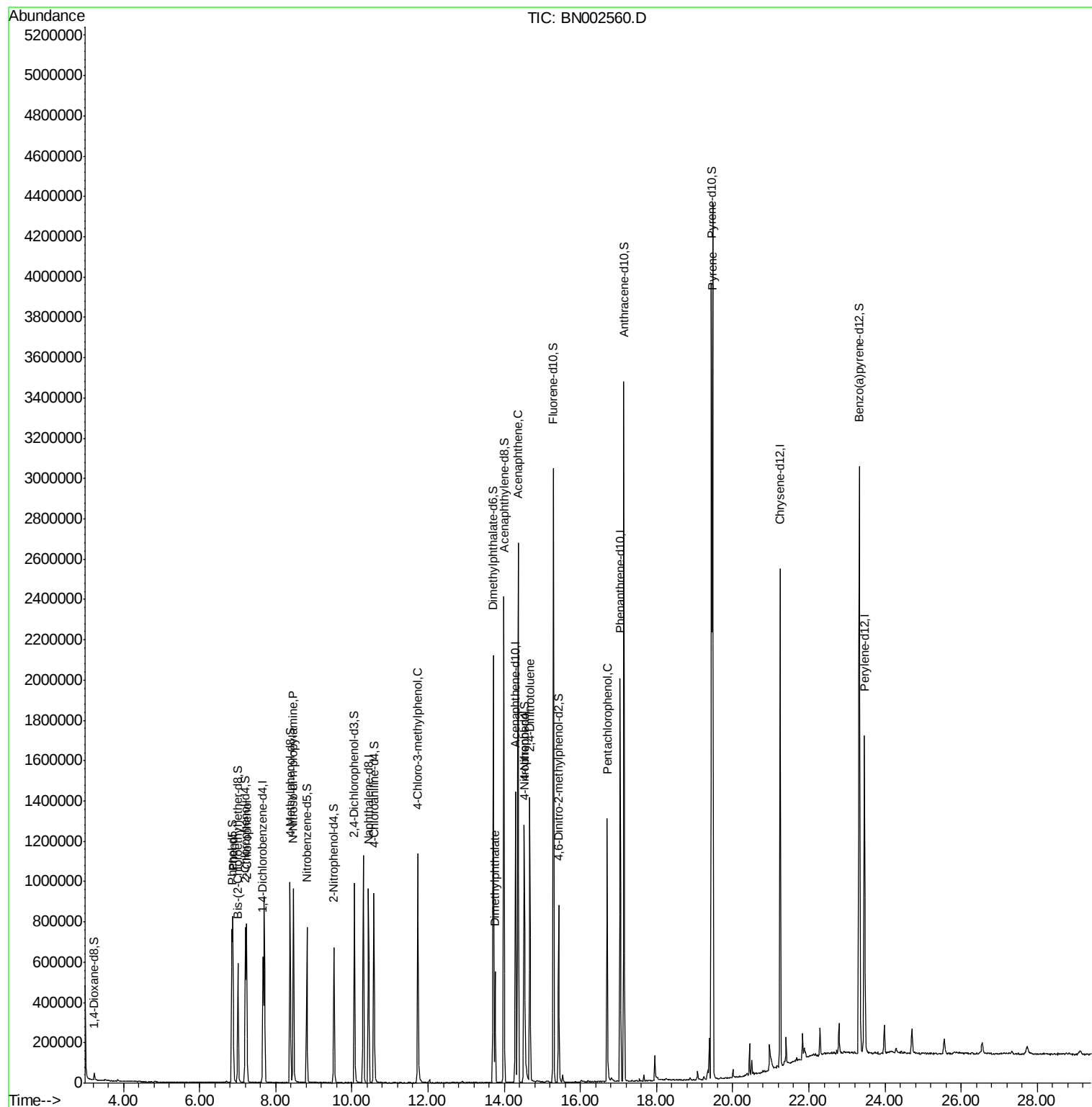
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN083118\  
Data File : BN002560.D  
Acq On : 31 Aug 2018 15:09  
Operator : JU/SJ  
Sample : J4665-02MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

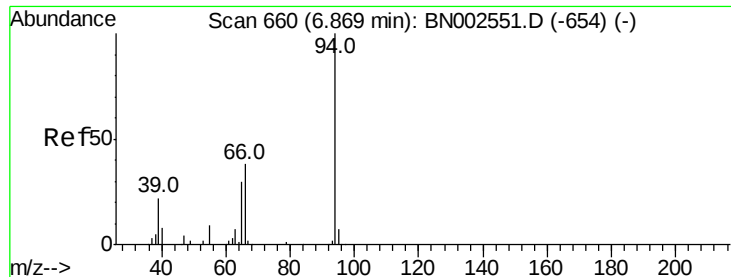
Instrument :  
BNA\_N  
ClientSampleId :  
E0AA0MS

Quant Time: Aug 31 17:02:39 2018  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SOM-EPA-BN081318MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Aug 25 04:34:18 2018  
Response via : Initial Calibration

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#6

Phenol

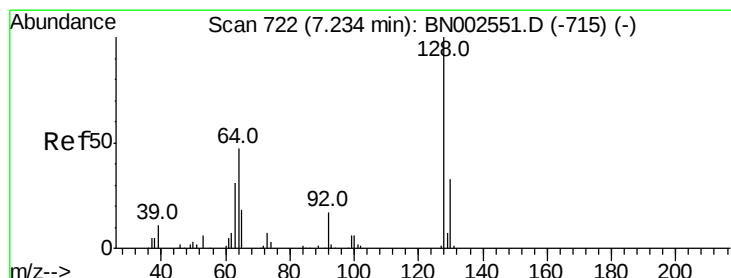
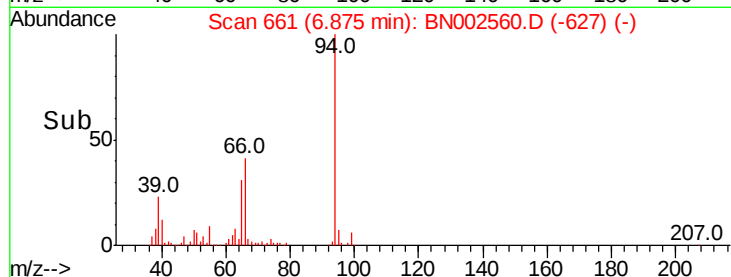
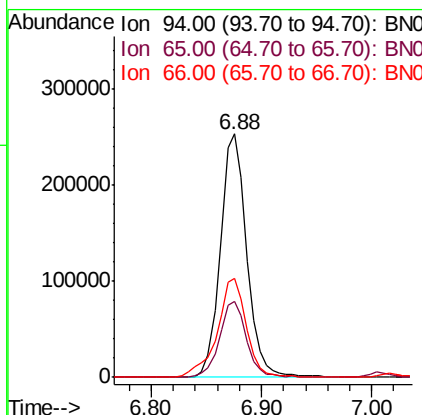
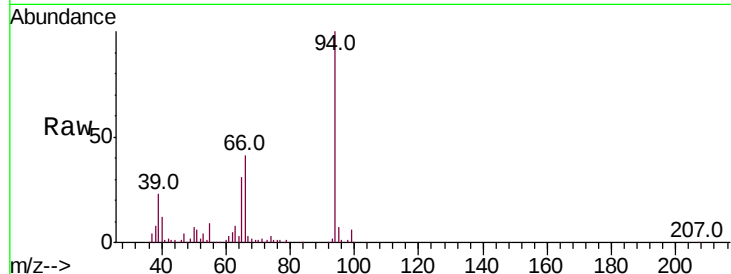
Concen: 27.863 ng/ul  
 RT: 6.88 min Scan# 661  
 Delta R.T. -0.00 min  
 Lab File: BN002560.D  
 Acq: 31 Aug 2018 15:09

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0AA0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 31.4  | 21.0  | 31.6  |
| 66      | 40.8  | 29.3  | 43.9  |

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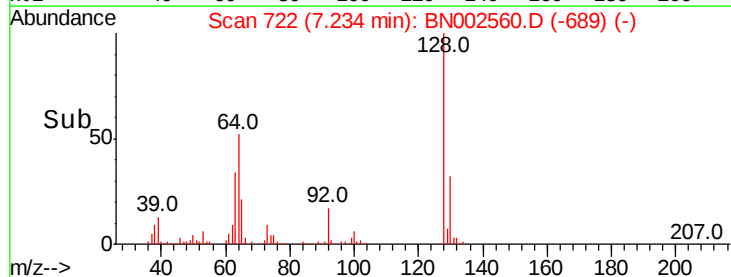
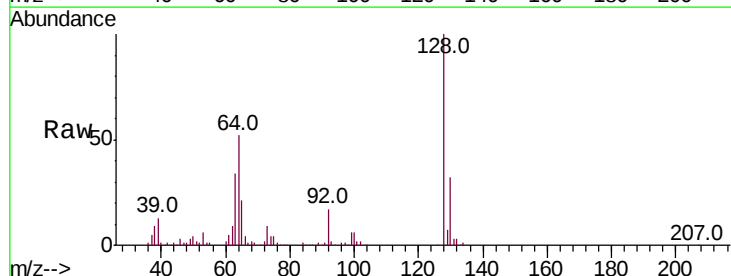
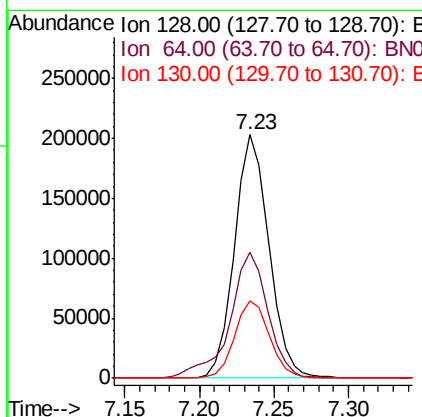


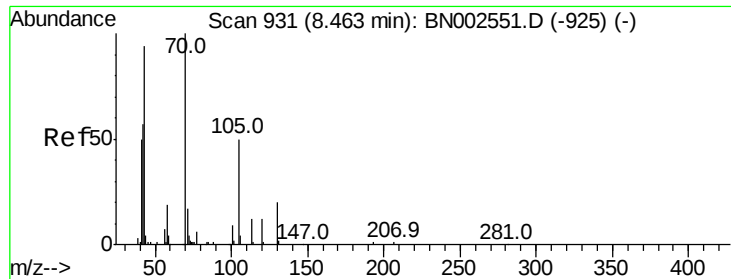
#10

2-Chlorophenol

Concen: 28.670 ng/ul  
 RT: 7.23 min Scan# 722  
 Delta R.T. -0.01 min  
 Lab File: BN002560.D  
 Acq: 31 Aug 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 51.6  | 31.9  | 47.9# |
| 130     | 31.9  | 25.6  | 38.4  |





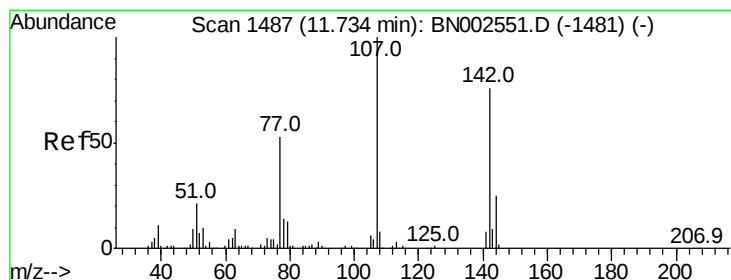
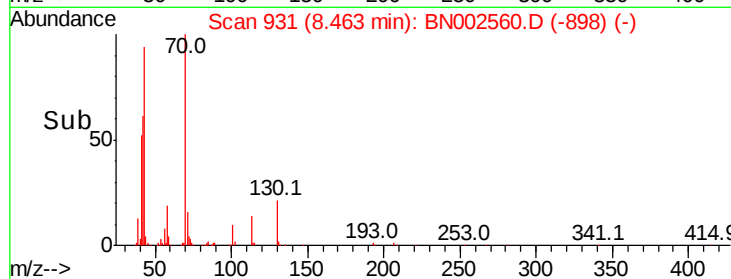
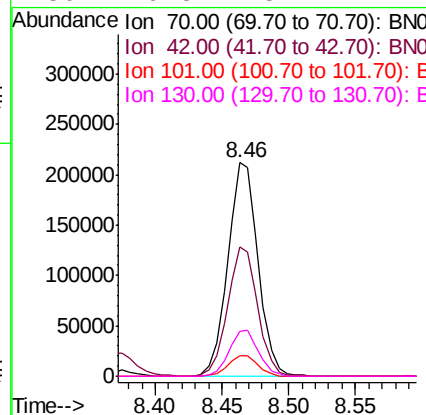
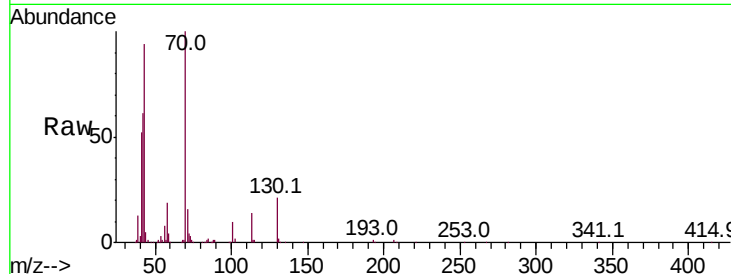
#15  
N-Nitroso-di-n-propylamine  
Concen: 33.539 ng/ul  
RT: 8.46 min Scan# 931  
Delta R.T. -0.01 min  
Lab File: BN002560.D  
Acq: 31 Aug 2018 15:09

Instrument :  
BNA\_N  
ClientSampleId :  
E0AA0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.7  | 35.4  | 53.0# |
| 101     | 9.9   | 8.4   | 12.6  |
| 130     | 20.8  | 18.2  | 27.4  |

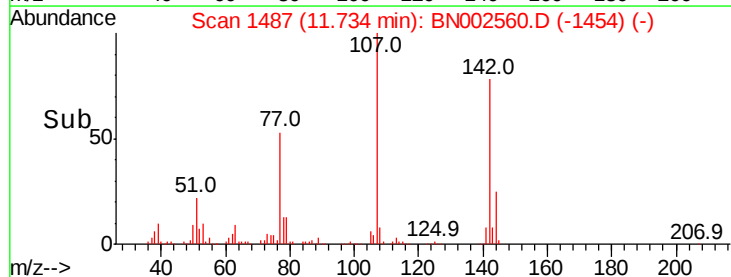
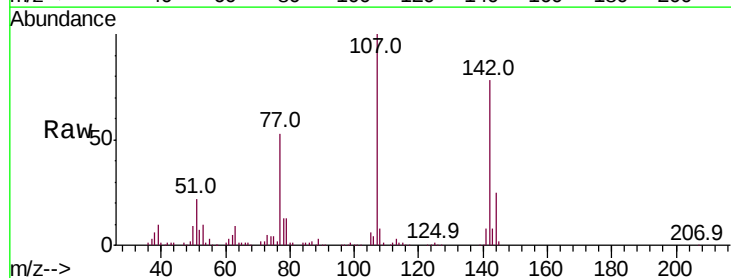
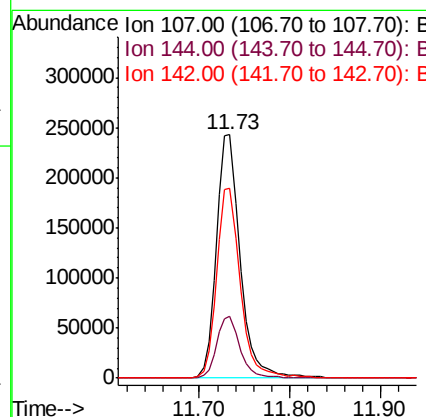
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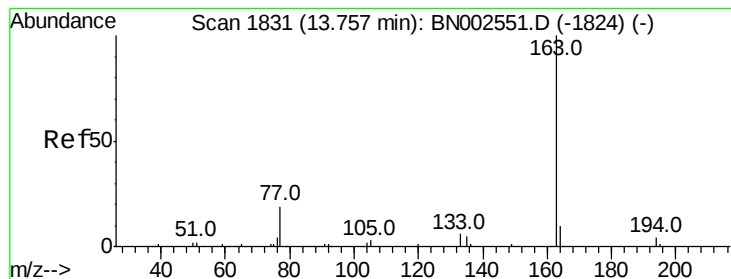
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#33  
4-Chloro-3-methylphenol  
Concen: 33.680 ng/ul  
RT: 11.73 min Scan# 1487  
Delta R.T. -0.01 min  
Lab File: BN002560.D  
Acq: 31 Aug 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.5  | 20.4  | 30.6  |
| 142     | 77.9  | 62.5  | 93.7  |





#44

Dimethylphthalate

Concen: 8.723 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BN002560.D

Acq: 31 Aug 2018 15:09

Instrument :

BNA\_N

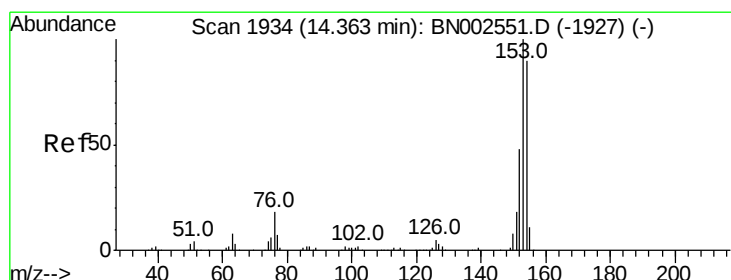
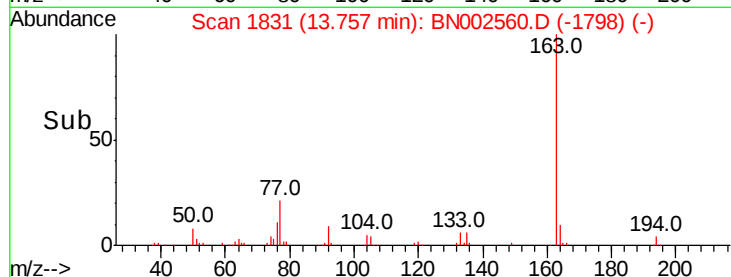
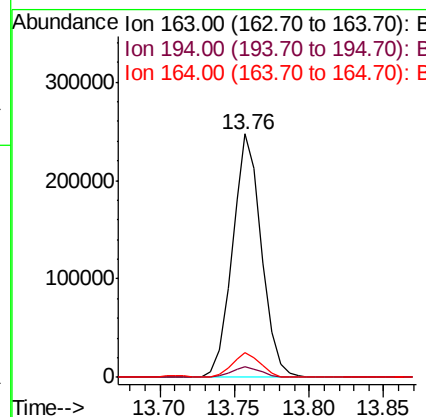
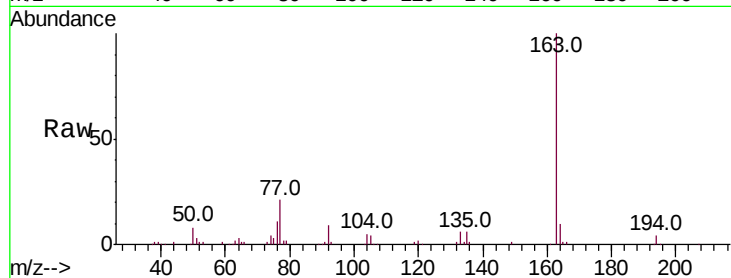
ClientSampleId :

E0AA0MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 335147 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.2   | 3.2   | 4.8    |
| 164       | 10.1  | 7.8   | 11.8   |

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#49

Acenaphthene

Concen: 33.187 ng/ul

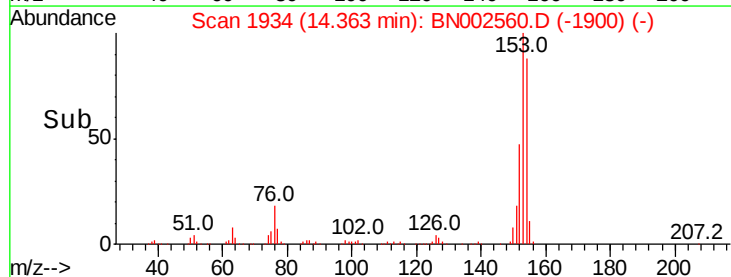
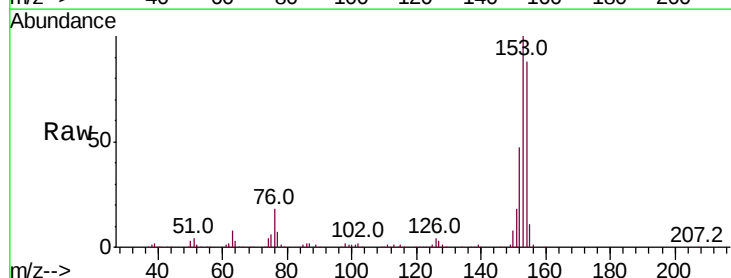
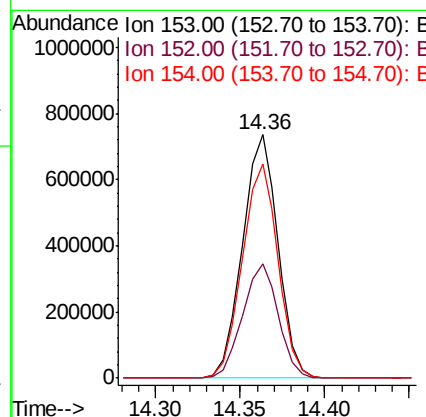
RT: 14.36 min Scan# 1934

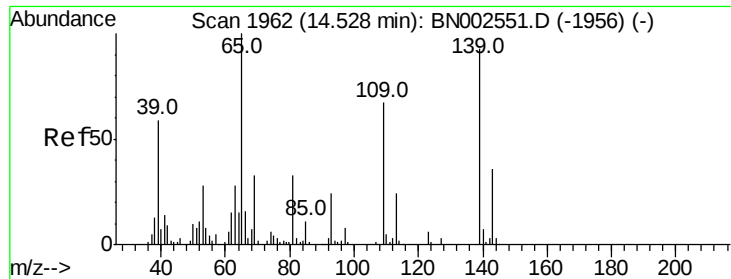
Delta R.T. -0.00 min

Lab File: BN002560.D

Acq: 31 Aug 2018 15:09

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 153   | Resp: | 1071135 |
| Ion Ratio | Lower | Upper |         |
| 153       | 100   |       |         |
| 152       | 46.8  | 38.3  | 57.5    |
| 154       | 87.8  | 71.8  | 107.8   |





#52

4-Nitrophenol

Concen: 31.449 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BN002560.D

Acq: 31 Aug 2018 15:09

Instrument :

BNA\_N

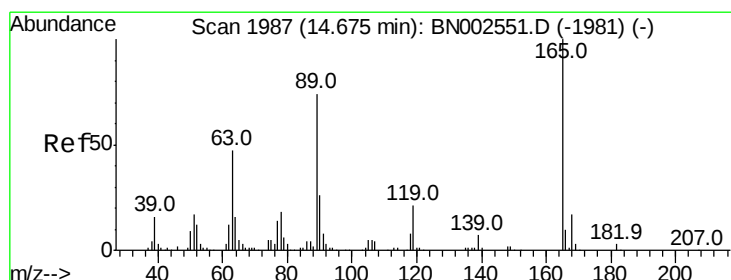
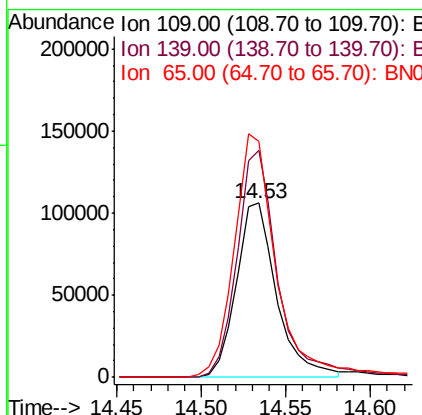
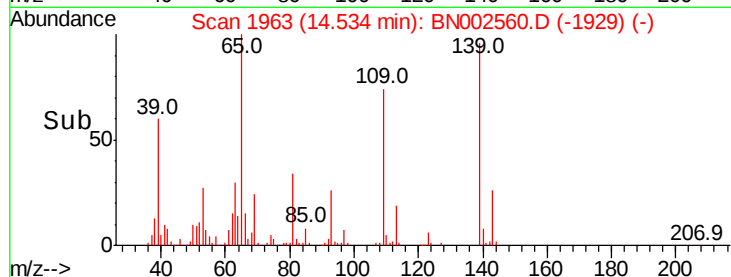
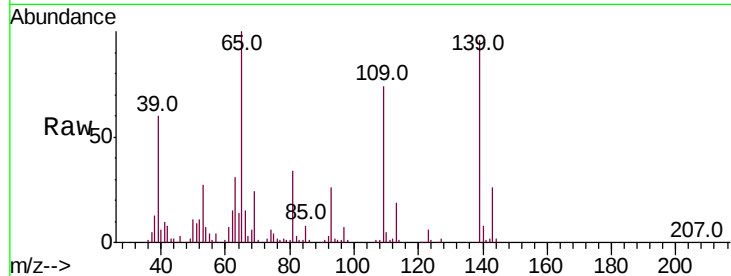
ClientSampleId :

E0AA0MS

| Tot Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 109     | 100   |       |        |       |
| 139     | 129.8 | 103.7 | 155.5  |       |
| 65      | 135.3 | 89.4  | 134.2# |       |

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#54

2,4-Dinitrotoluene

Concen: 33.180 ng/ul

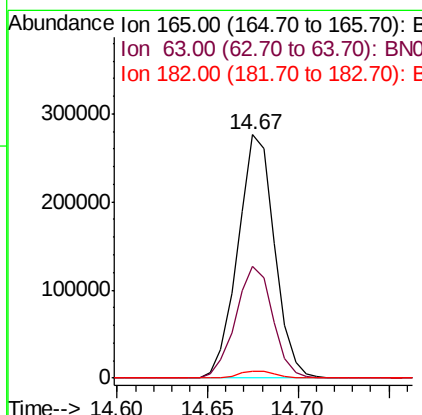
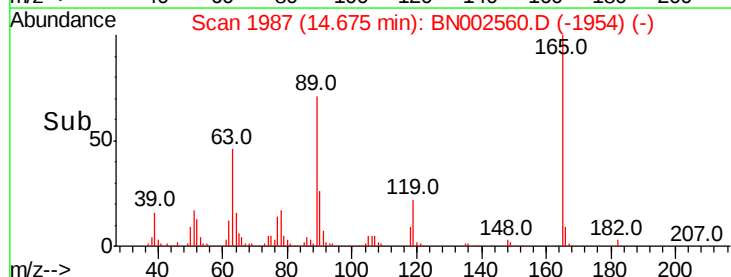
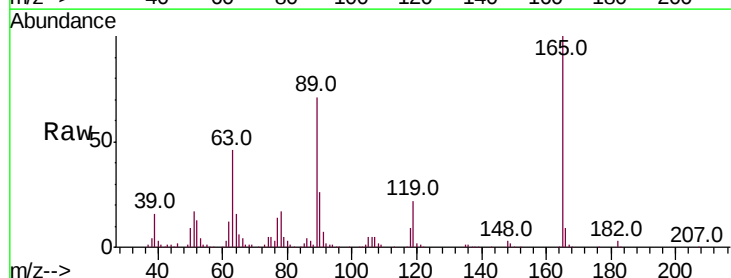
RT: 14.67 min Scan# 1987

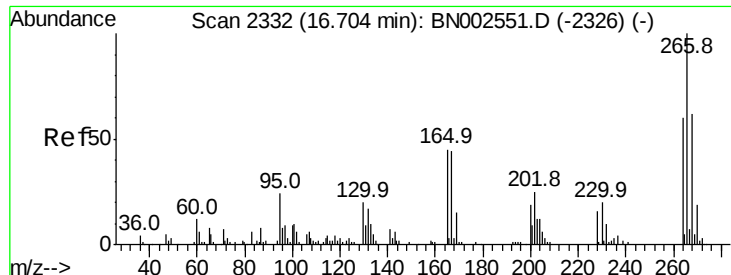
Delta R.T. -0.01 min

Lab File: BN002560.D

Acq: 31 Aug 2018 15:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 45.8  | 29.8 | 44.6# |       |
| 182     | 2.9   | 2.2  | 3.4   |       |





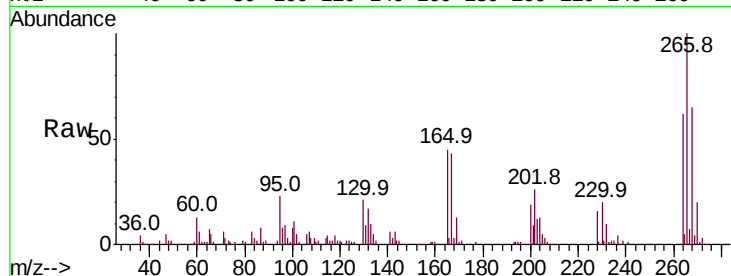
#68  
 Pentachlorophenol  
 Concen: 33.597 ng/ul  
 RT: 16.70 min Scan# 2332  
 Delta R.T. -0.00 min  
 Lab File: BN002560.D  
 Acq: 31 Aug 2018 15:09

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0AA0MS

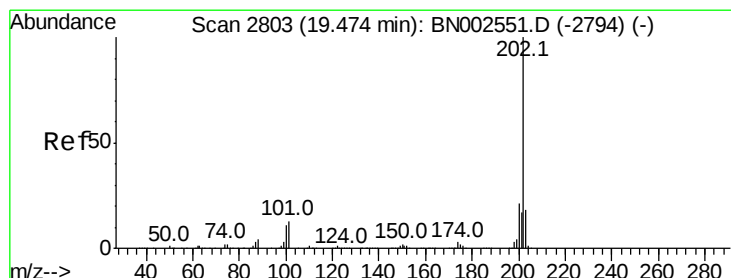
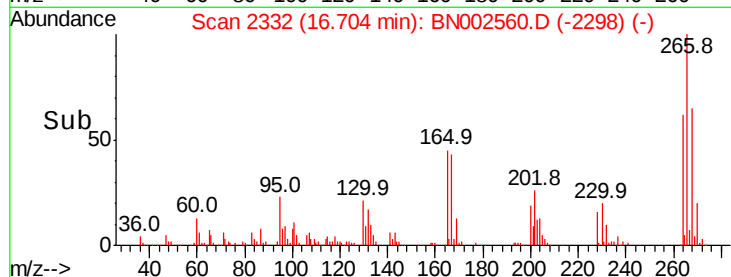
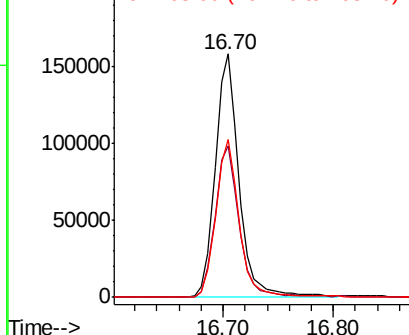
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|-----------|-------|-------|--------|
| Tot Ion:  | 266   | Resp: | 236283 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 264       | 62.3  | 50.5  | 75.7   |
| 268       | 64.6  | 50.9  | 76.3   |

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Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#79  
 Pyrene  
 Concen: 35.553 ng/ul  
 RT: 19.47 min Scan# 2803  
 Delta R.T. -0.00 min  
 Lab File: BN002560.D  
 Acq: 31 Aug 2018 15:09

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2493939 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 13.2  | 10.2  | 15.2    |
| 100       | 10.9  | 8.5   | 12.7    |

Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

