

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\  
 Data File : BN011470.D  
 Acq On : 18 Aug 2020 03:38  
 Operator : CG/JU  
 Sample : L3611-24MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFM8MS

Quant Time: Aug 18 06:52:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 18 06:41:47 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 195182   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.18 | 136  | 728331   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.07 | 164  | 440319   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.82 | 188  | 917302   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.04 | 240  | 945601   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.14 | 264  | 1003617  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 13424   | 3.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 232348  | 16.83 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 124453  | 17.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 218447  | 17.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 185198  | 16.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.58  | 128 | 107697  | 19.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.28  | 143 | 125263  | 19.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 208575  | 17.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.33 | 131 | 246545  | 17.19 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.49 | 166 | 721644  | 21.05 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.75 | 160 | 790595  | 19.16 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.30 | 143 | 97901   | 16.85 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.07 | 176 | 585875  | 19.52 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.21 | 200 | 79818   | 13.12 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.92 | 188 | 899209  | 20.52 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.23 | 212 | 1258883 | 25.92 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.02 | 264 | 1183533 | 21.23 | ng/ul | 0.00 |

## Target Compounds

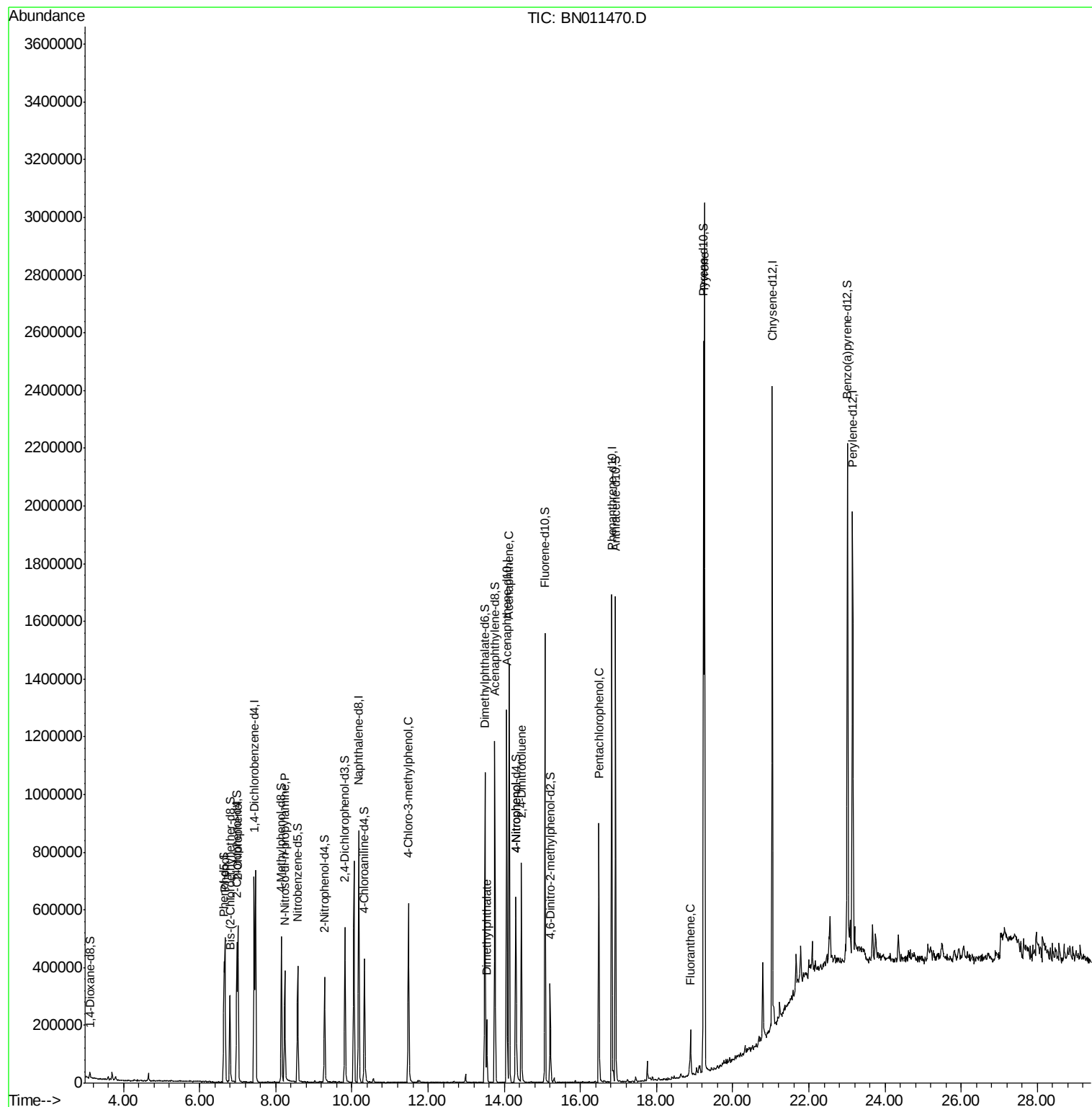
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.66  | 94  | 277294  | 19.706 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.01  | 128 | 246718  | 19.327 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.24  | 70  | 169234  | 21.557 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.48 | 107 | 234936  | 20.307 | ng/ul 93  |
| 45) Dimethylphthalate          | 13.54 | 163 | 132058  | 3.752  | ng/ul 98  |
| 50) Acenaphthene               | 14.13 | 153 | 597242  | 19.964 | ng/ul 95  |
| 53) 4-Nitrophenol              | 14.31 | 109 | 118087  | 21.328 | ng/ul 95  |
| 55) 2,4-Dinitrotoluene         | 14.45 | 165 | 228468  | 23.054 | ng/ul 93  |
| 69) Pentachlorophenol          | 16.49 | 266 | 143389  | 21.539 | ng/ul# 78 |
| 77) Fluoranthene               | 18.89 | 202 | 90807   | 1.364  | ng/ul# 96 |
| 80) Pyrene                     | 19.26 | 202 | 1778478 | 26.727 | ng/ul 99  |

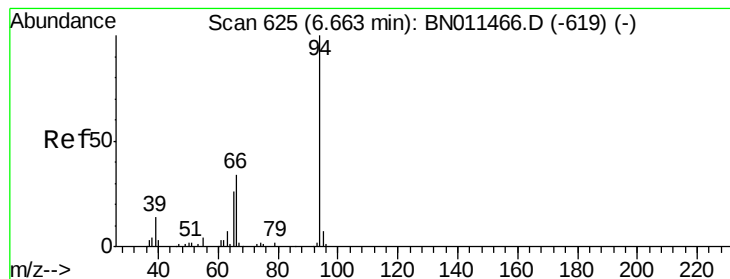
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

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Quant Time: Aug 18 06:52:39 2020  
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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 18 06:41:47 2020  
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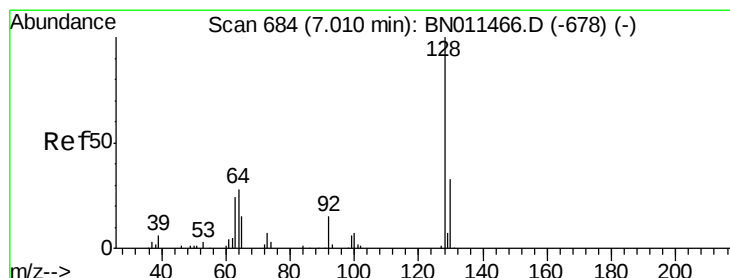
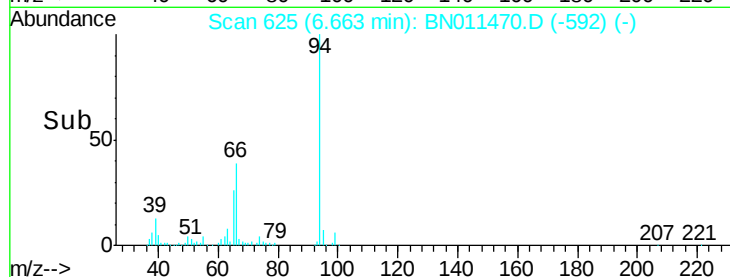
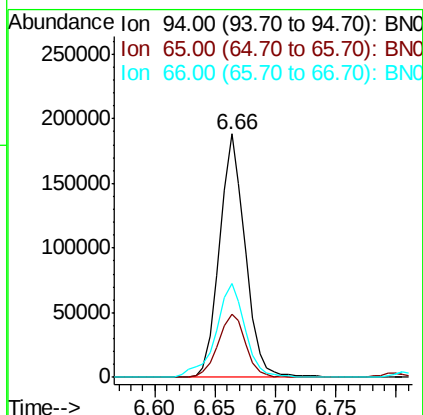
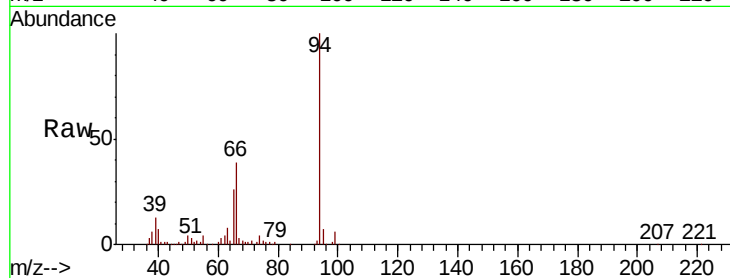
#6

Phenol

Concen: 19.706 ng/ul  
 RT: 6.66 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BN011470.D  
 Acq: 18 Aug 2020 03:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFM8MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 25.8  | 22.1  | 33.1  |
| 66      | 38.6  | 32.1  | 48.1  |

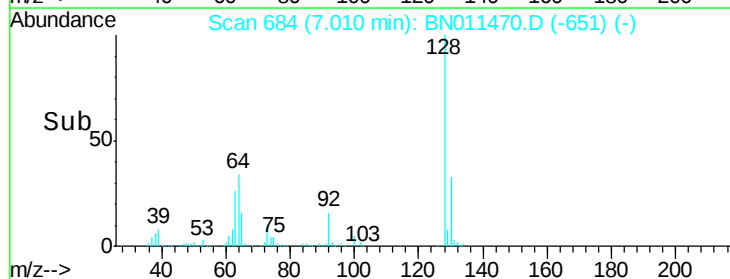
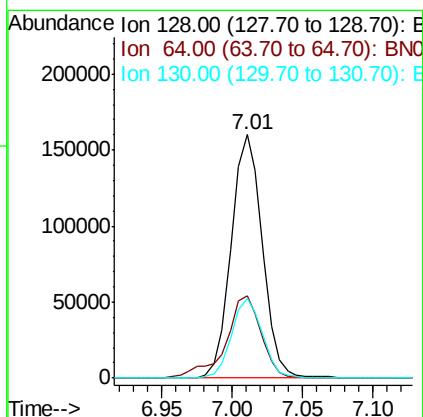
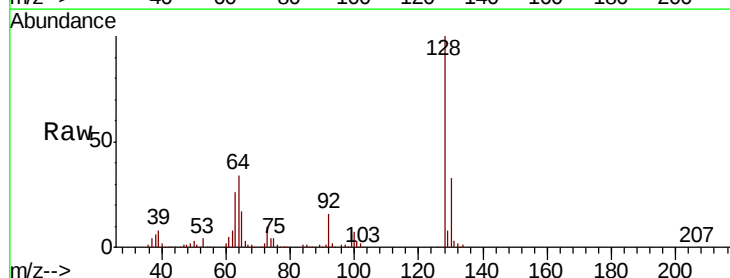


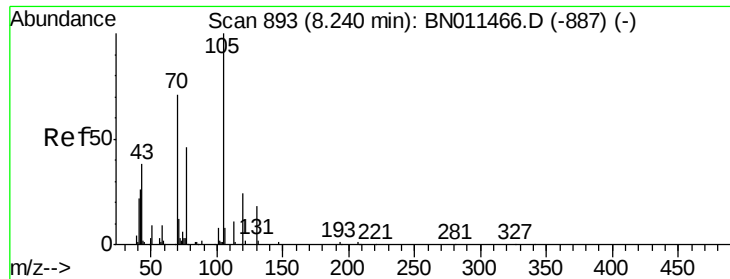
#10

2-Chlorophenol

Concen: 19.327 ng/ul  
 RT: 7.01 min Scan# 684  
 Delta R.T. -0.01 min  
 Lab File: BN011470.D  
 Acq: 18 Aug 2020 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 33.9  | 25.4  | 38.0  |
| 130     | 32.6  | 26.3  | 39.5  |





#15

N-Nitroso-di-n-propylamine

Concen: 21.557 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.01 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

Instrument :

BNA\_N

ClientSampleId :

DBFM8MS

Tot Ion: 70 Resp: 169234

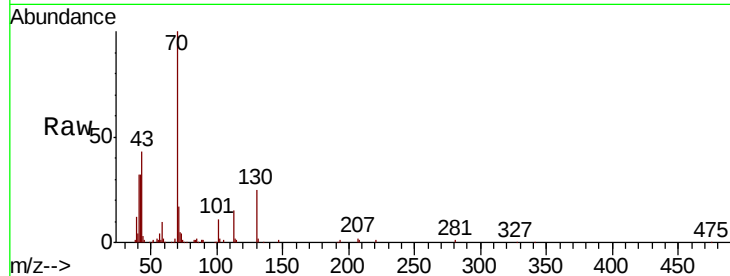
Ion Ratio Lower Upper

70 100

42 32.3 27.2 40.8

101 11.1 8.3 12.5

130 25.2 19.4 29.0

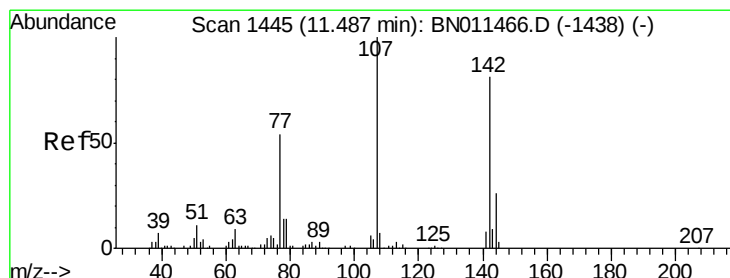
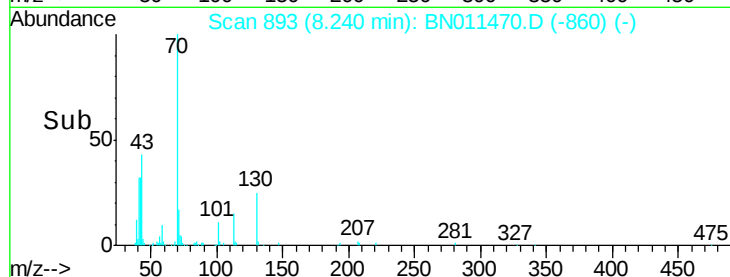
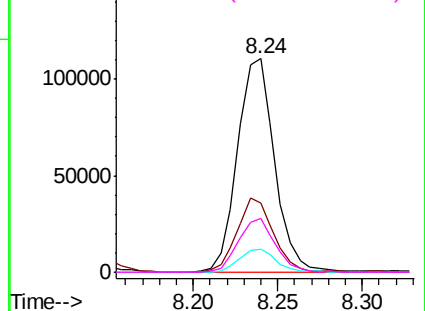


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 20.307 ng/ul

RT: 11.48 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

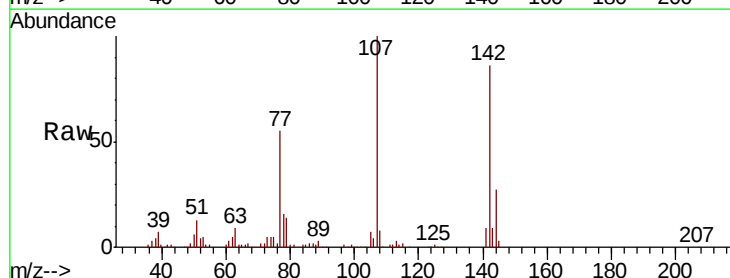
Tgt Ion:107 Resp: 234936

Ion Ratio Lower Upper

107 100

144 26.5 22.2 33.4

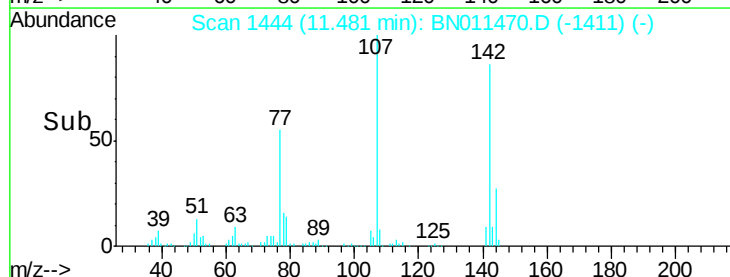
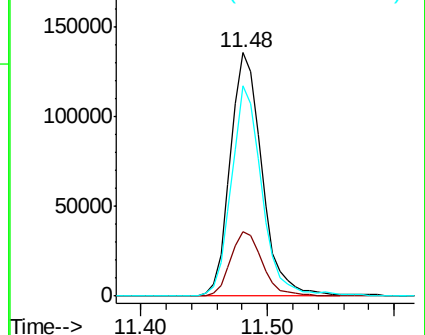
142 86.4 63.4 95.2

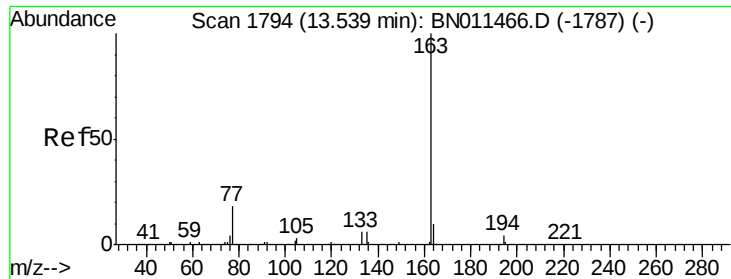


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#45

Dimethylphthalate

Concen: 3.752 ng/ul

RT: 13.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

Instrument :

BNA\_N

ClientSampleId :

DBFM8MS

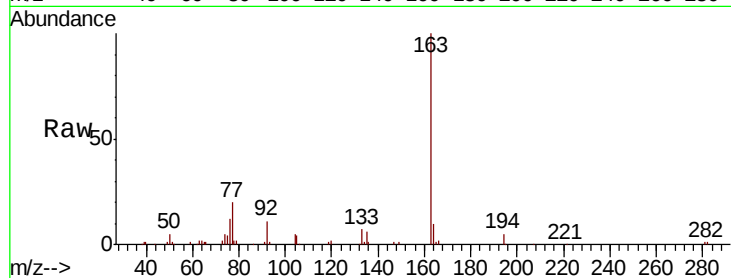
Tot Ion:163 Resp: 132058

Ion Ratio Lower Upper

163 100

194 4.9 3.8 5.6

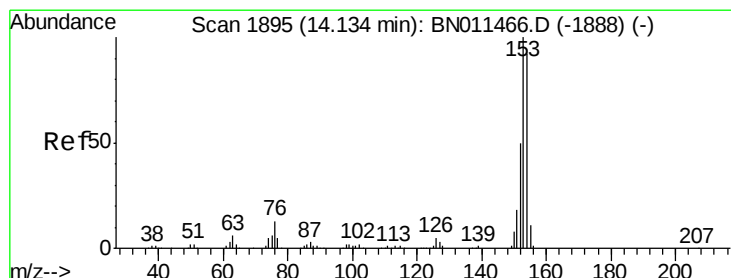
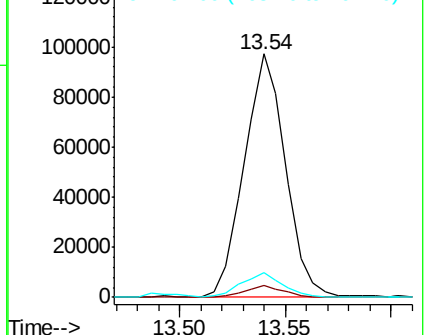
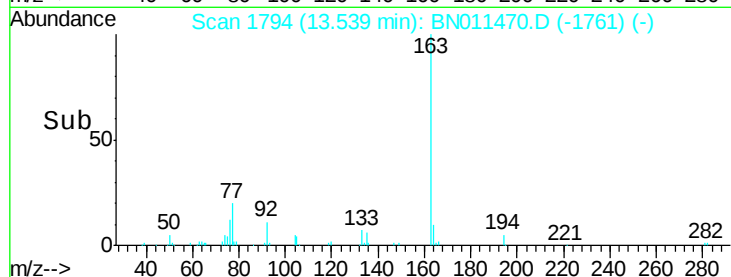
164 10.0 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 19.964 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

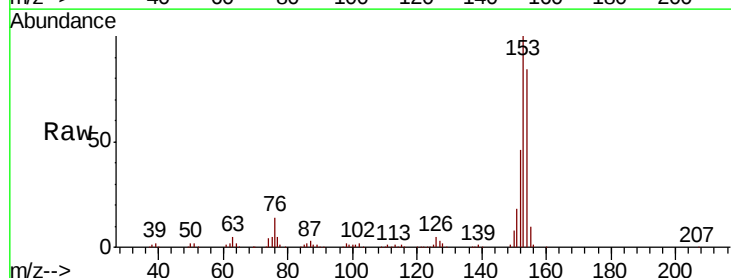
Tgt Ion:153 Resp: 597242

Ion Ratio Lower Upper

153 100

152 45.7 37.6 56.4

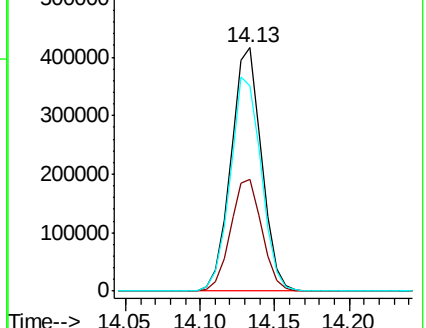
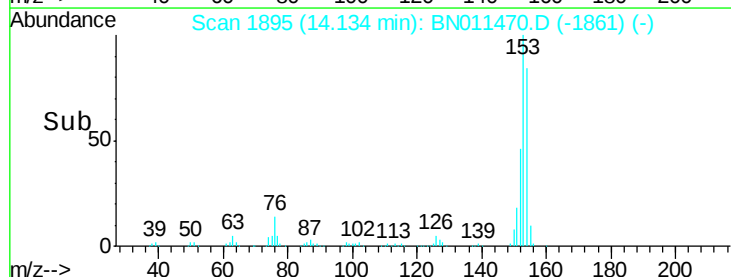
154 84.3 72.0 108.0

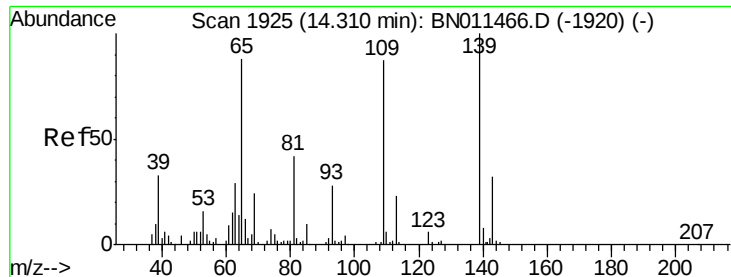


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

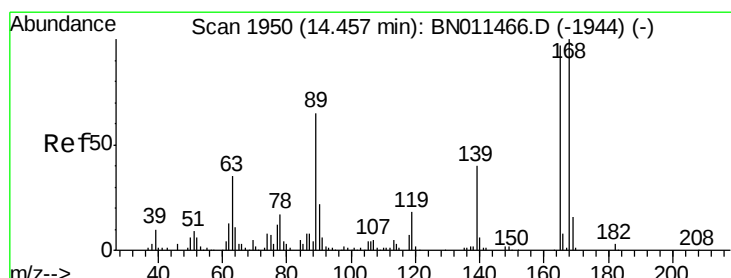
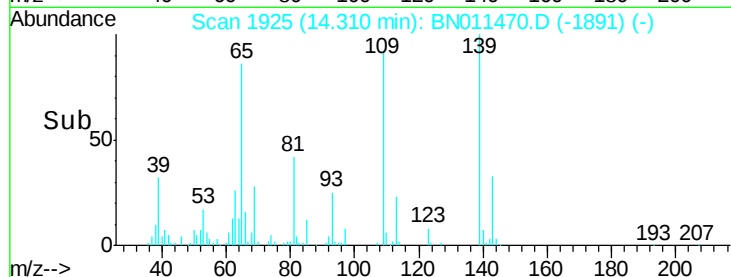
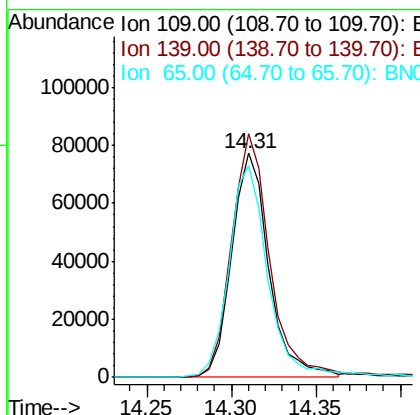
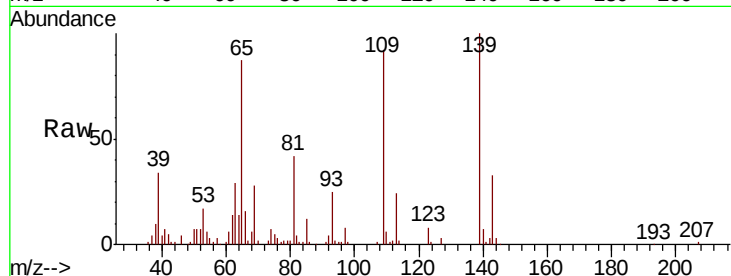




#53  
4-Nitrophenol  
Concen: 21.328 ng/ul  
RT: 14.31 min Scan# 1925  
Delta R.T. -0.00 min  
Lab File: BN011470.D  
Acq: 18 Aug 2020 03:38

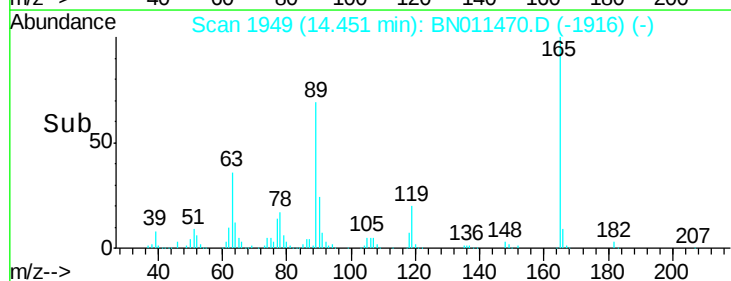
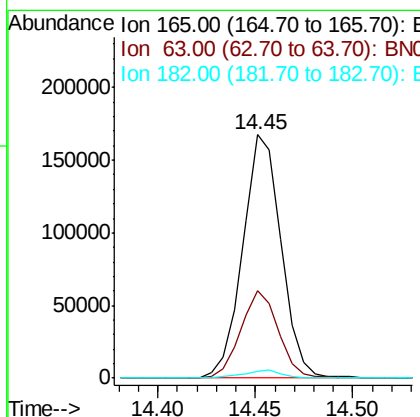
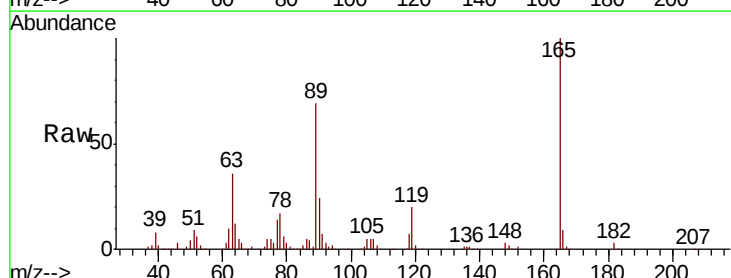
Instrument :  
BNA\_N  
ClientSampleId :  
DBFM8MS

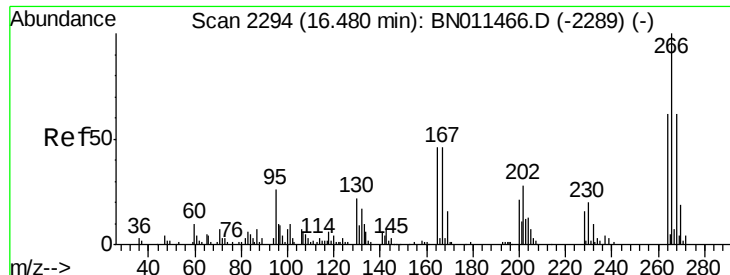
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 108.8 | 80.9  | 121.3 |
| 65      | 94.4  | 77.2  | 115.8 |



#55  
2,4-Dinitrotoluene  
Concen: 23.054 ng/ul  
RT: 14.45 min Scan# 1949  
Delta R.T. -0.01 min  
Lab File: BN011470.D  
Acq: 18 Aug 2020 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 36.2  | 32.6  | 48.8  |
| 182     | 2.6   | 2.1   | 3.1   |





#69

Pentachlorophenol

Concen: 21.539 ng/ul

RT: 16.49 min Scan# 2295

Delta R.T. -0.00 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

Instrument :

BNA\_N

ClientSampleId :

DBFM8MS

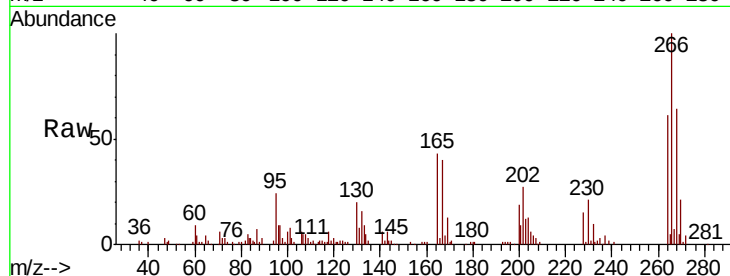
Tot Ion:266 Resp: 143389

Ion Ratio Lower Upper

266 100

264 60.8 67.9 101.9#

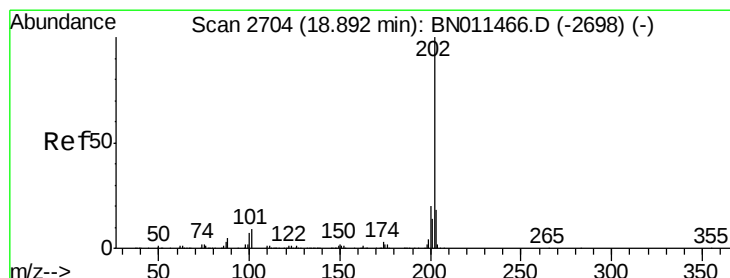
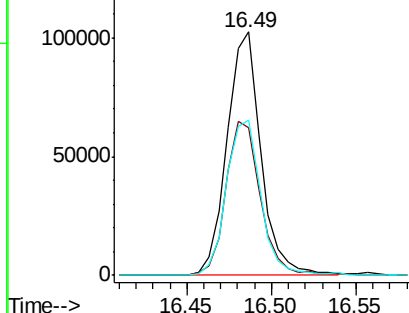
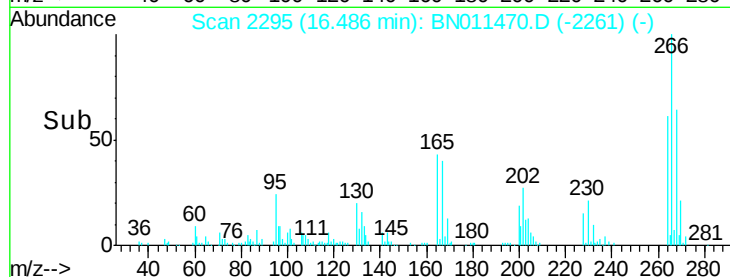
268 63.9 63.4 95.2



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



#77

Fluoranthene

Concen: 1.364 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN011470.D

Acq: 18 Aug 2020 03:38

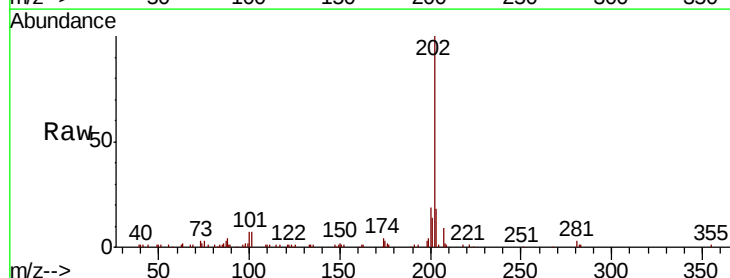
Tgt Ion:202 Resp: 90807

Ion Ratio Lower Upper

202 100

101 7.0 7.3 10.9#

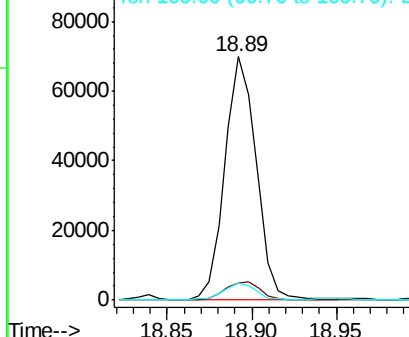
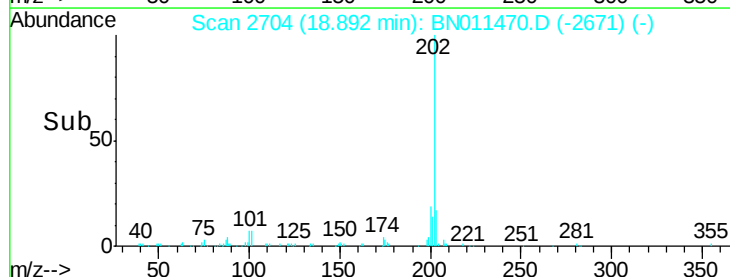
100 6.8 5.2 7.8

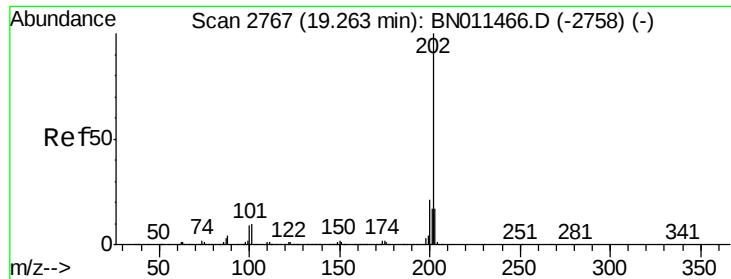


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



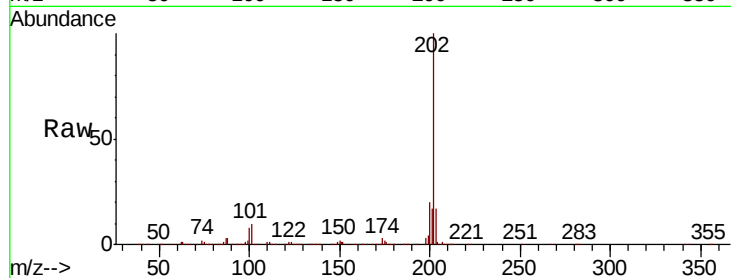


#80  
 Pvrene  
 Concen: 26.727 ng/ul  
 RT: 19.26 min Scan# 2767  
 Delta R.T. -0.00 min  
 Lab File: BN011470.D  
 Acq: 18 Aug 2020 03:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFM8MS

Tot Ion:202 Resp: 1778478  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 10.2  | 7.8   | 11.8  |
| 100 | 8.4   | 6.5   | 9.7   |



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

