

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072120\  
 Data File : BM026821.D  
 Acq On : 21 Jul 2020 23:10  
 Operator : JU/CG  
 Sample : L3336-17MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PMW-2MSD

Quant Time: Jul 22 01:41:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM063020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 21 10:10:59 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.30  | 152  | 71964    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.05 | 136  | 316824   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 13.96 | 164  | 217407   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.72 | 188  | 488332   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.95 | 240  | 492526   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.01 | 264  | 432804   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.90  | 96  | 11290   | 4.71  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.51  | 99  | 49780   | 7.55  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.66  | 67  | 150842  | 33.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.84  | 132 | 130823  | 25.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.03  | 113 | 95848   | 18.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.45  | 128 | 85894   | 34.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.16  | 143 | 96043   | 35.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.70  | 165 | 168845  | 32.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.23 | 131 | 16702   | 3.03  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.40 | 166 | 649939  | 37.48 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.65 | 160 | 722383  | 34.47 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.23 | 143 | 15248   | 6.09  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 14.97 | 176 | 548422  | 36.12 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.12 | 200 | 104112  | 34.12 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.82 | 188 | 874670  | 36.37 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.14 | 212 | 1008398 | 39.40 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.88 | 264 | 748829  | 32.06 | ng/ul | 0.00 |

## Target Compounds

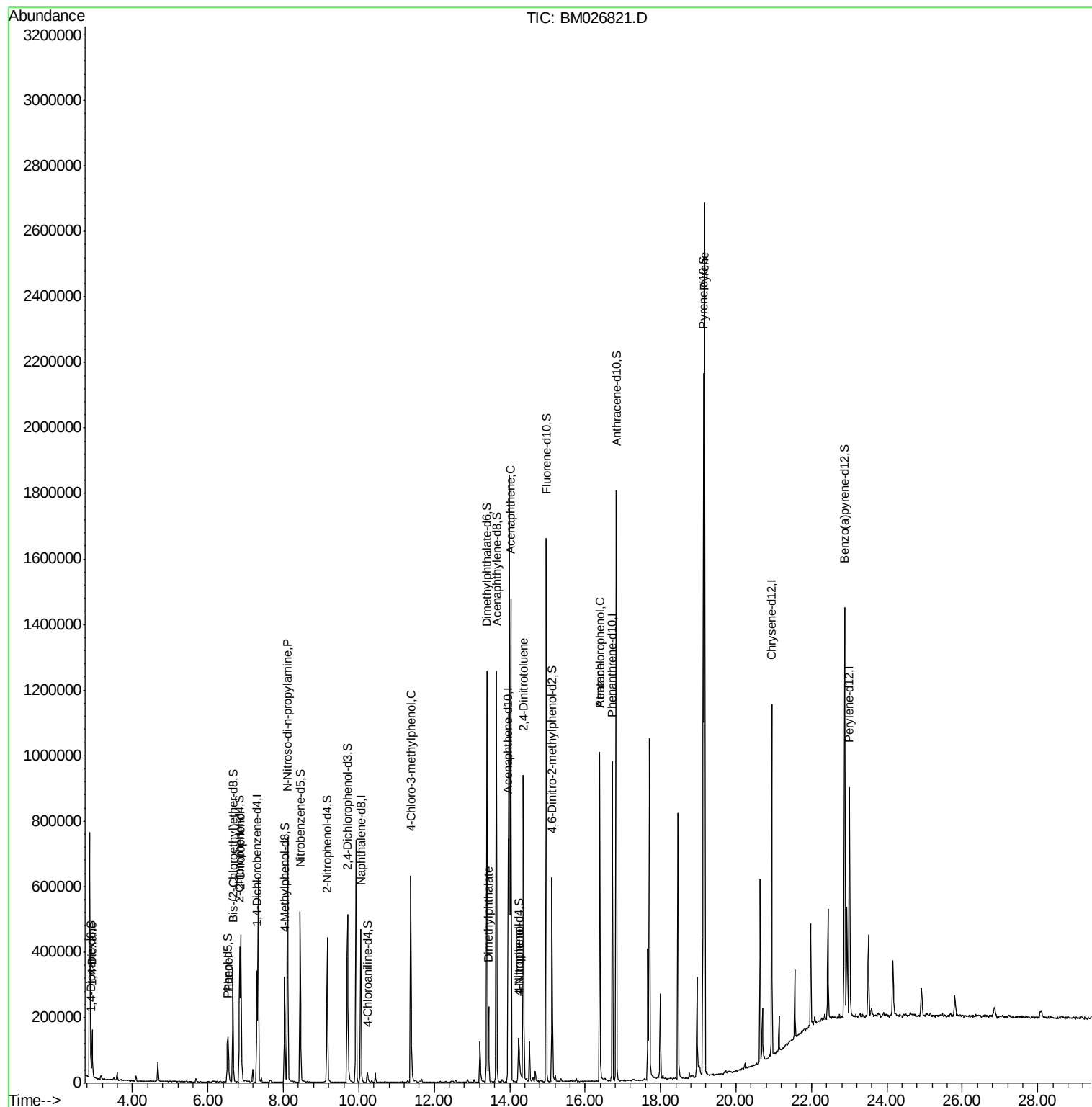
|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 2.93  | 88  | 59254   | 22.853 | ng/uL  | 96  |
| 6) Phenol                      | 6.54  | 94  | 56768   | 7.835  | ng/ul  | 98  |
| 10) 2-Chlorophenol             | 6.87  | 128 | 143116  | 25.636 | ng/ul  | 98  |
| 15) N-Nitroso-di-n-propylamine | 8.11  | 70  | 203936  | 38.655 | ng/ul  | 94  |
| 33) 4-Chloro-3-methylphenol    | 11.38 | 107 | 206304  | 33.537 | ng/ul  | 99  |
| 45) Dimethylphthalate          | 13.44 | 163 | 118069  | 6.504  | ng/ul  | 97  |
| 50) Acenaphthene               | 14.03 | 153 | 526898  | 33.217 | ng/ul  | 97  |
| 53) 4-Nitrophenol              | 14.25 | 109 | 20529   | 7.969  | ng/ul  | 84  |
| 55) 2,4-Dinitrotoluene         | 14.37 | 165 | 201784  | 38.675 | ng/ul  | 83  |
| 68) Atrazine                   | 16.39 | 200 | 29865   | 5.614  | ng/ul# | 36  |
| 69) Pentachlorophenol          | 16.39 | 266 | 141161  | 42.671 | ng/ul  | 100 |
| 80) Pyrene                     | 19.17 | 202 | 1397056 | 40.026 | ng/ul  | 99  |

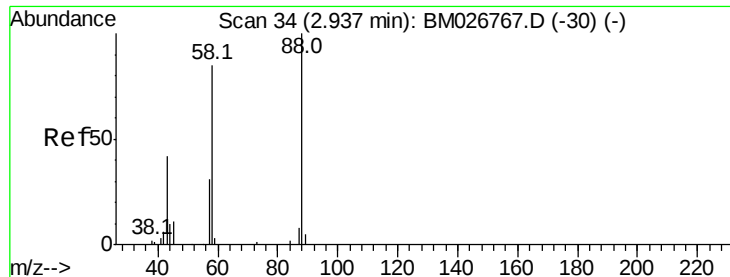
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 21 10:10:59 2020  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 22.853 ng/uL

RT: 2.93 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

PMW-2MSD

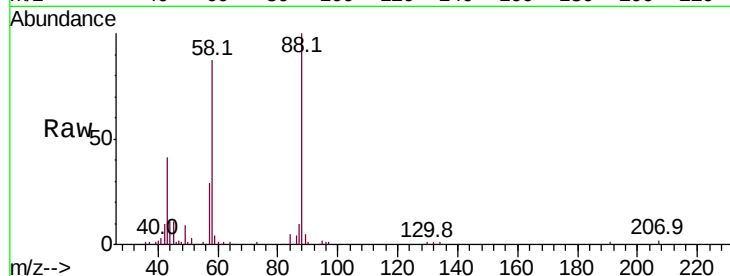
Tot Ion: 88 Resp: 59254

Ion Ratio Lower Upper

88 100

43 41.1 38.2 57.2

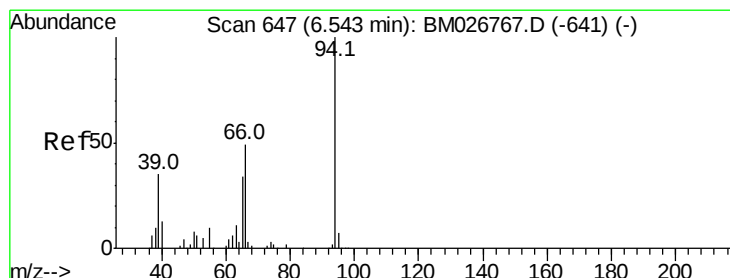
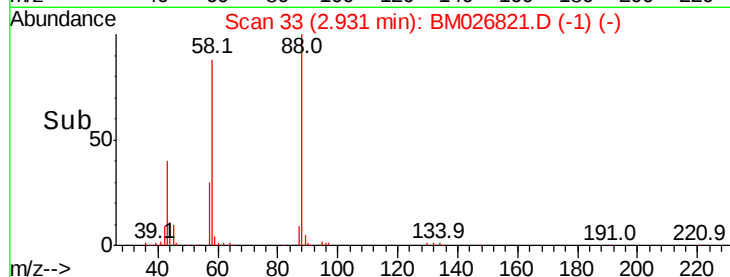
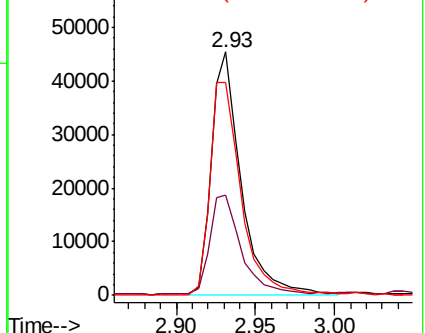
58 87.5 68.9 103.3



Abundance Ion 88.00 (87.70 to 88.70): BM026767.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM026767.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM026767.D (-30) (-)



#6

Phenol

Concen: 7.835 ng/uL

RT: 6.54 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

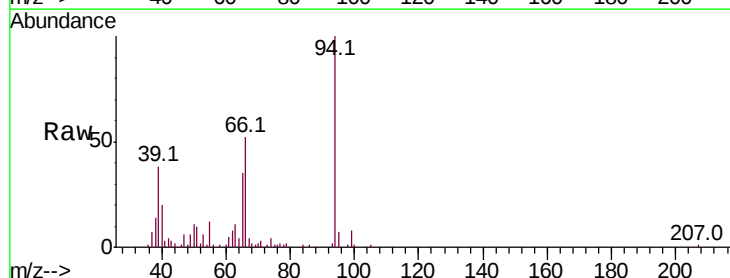
Tgt Ion: 94 Resp: 56768

Ion Ratio Lower Upper

94 100

65 35.0 27.8 41.8

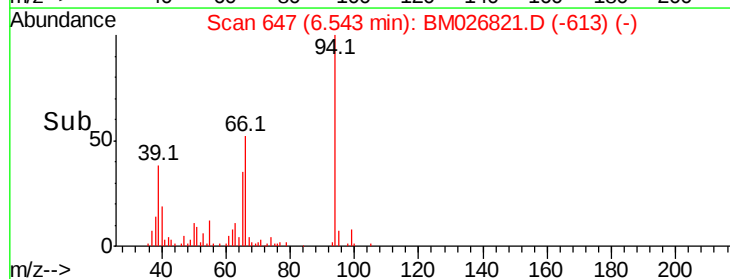
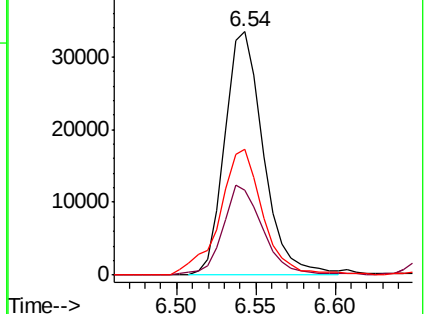
66 51.8 39.9 59.9

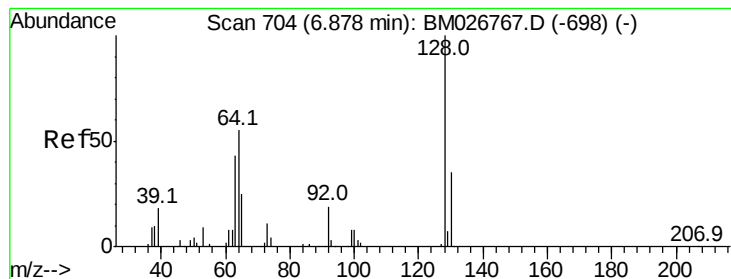


Abundance Ion 94.00 (93.70 to 94.70): BM026767.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM026767.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM026767.D (-641) (-)





#10

2-Chlorophenol

Concen: 25.636 ng/ul

RT: 6.87 min Scan# 703

Delta R.T. -0.01 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

PMW-2MSD

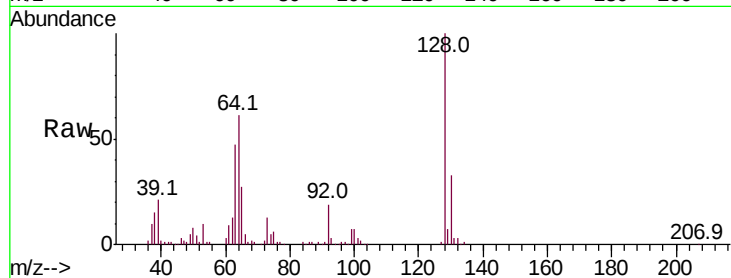
Tot Ion:128 Resp: 143116

Ion Ratio Lower Upper

128 100

64 61.5 47.4 71.2

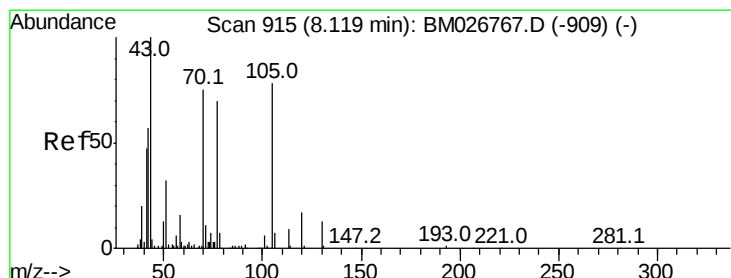
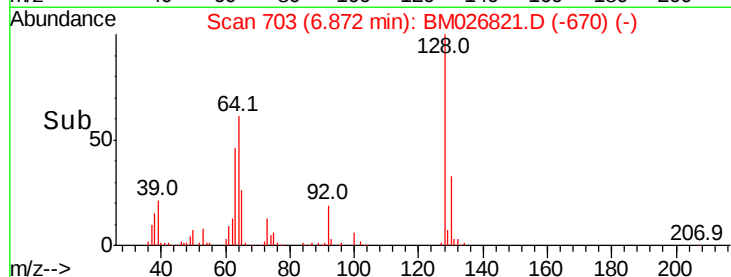
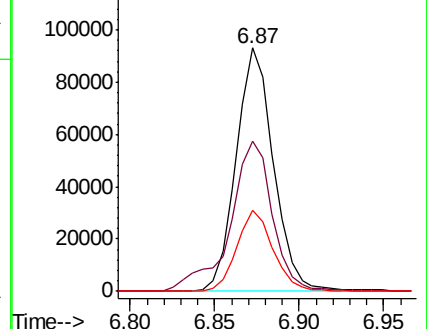
130 33.1 25.8 38.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 38.655 ng/ul

RT: 8.11 min Scan# 914

Delta R.T. -0.01 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

Tgt Ion: 70 Resp: 203936

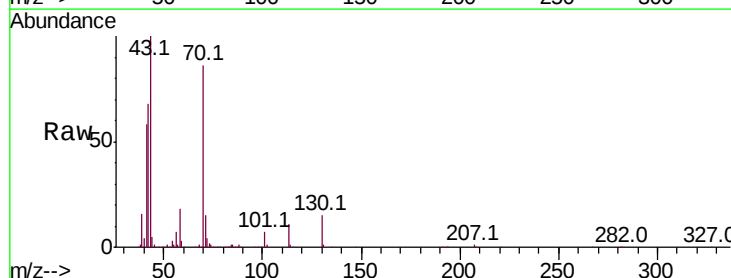
Ion Ratio Lower Upper

70 100

42 78.9 58.5 87.7

101 8.7 7.0 10.4

130 17.6 13.2 19.8

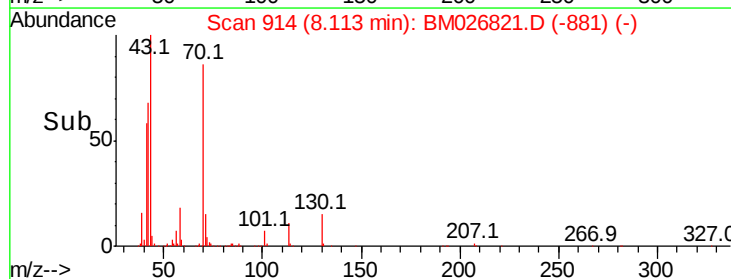
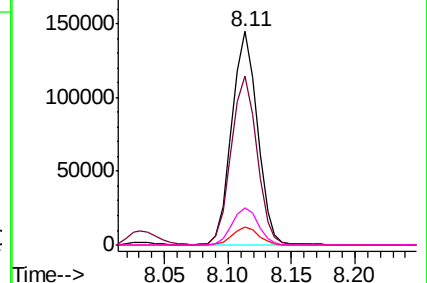


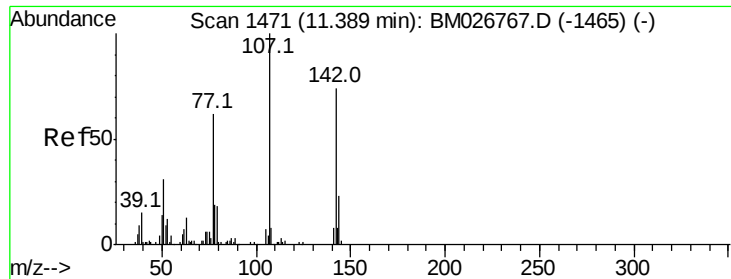
Abundance Ion 70.00 (69.70 to 70.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

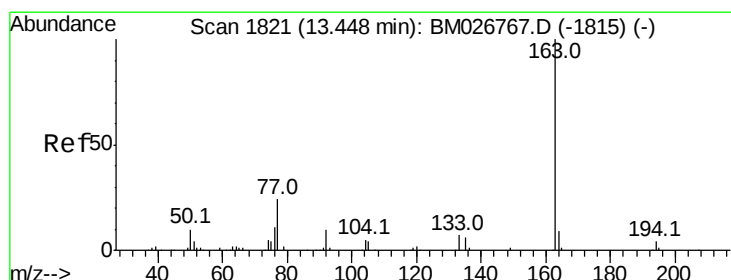
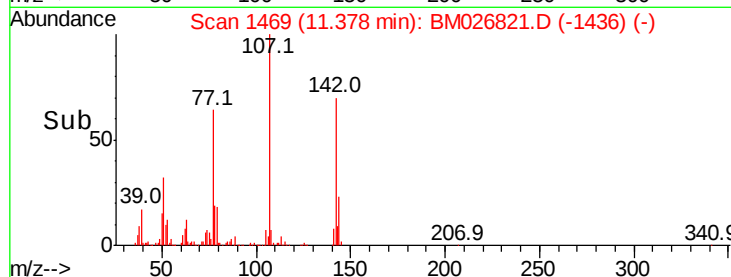
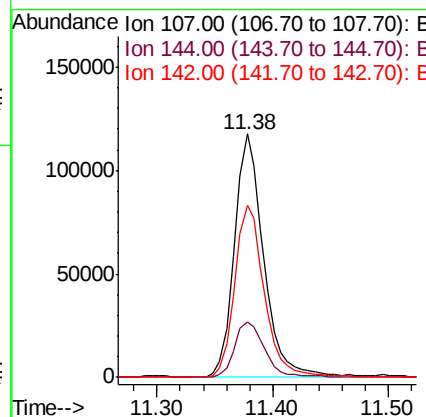
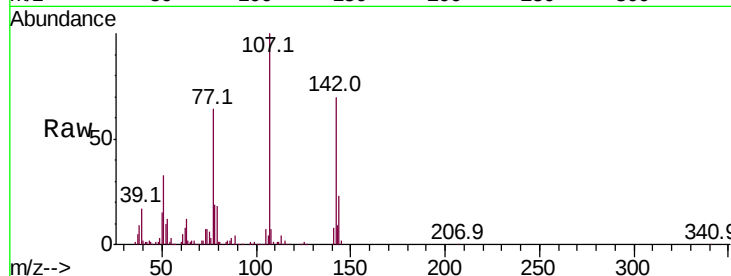




#33  
 4-Chloro-3-methylphenol  
 Concen: 33.537 ng/ul  
 RT: 11.38 min Scan# 1469  
 Delta R.T. -0.01 min  
 Lab File: BM026821.D  
 Acq: 21 Jul 2020 23:10

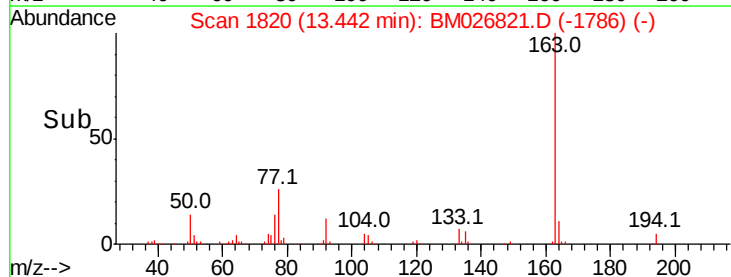
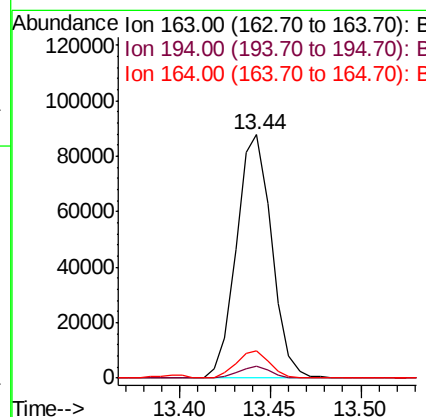
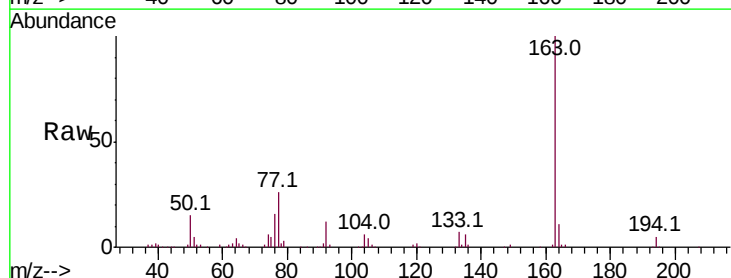
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PMW-2MSD

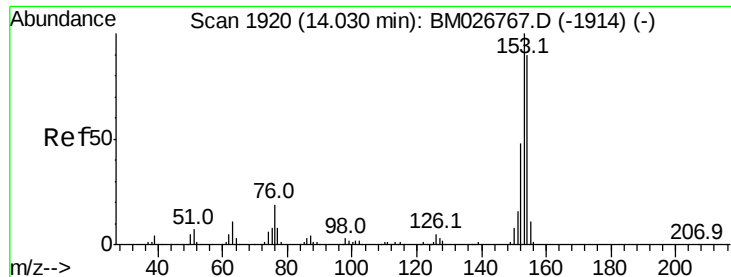
Tot Ion:107 Resp: 206304  
 Ion Ratio Lower Upper  
 107 100  
 144 23.0 17.9 26.9  
 142 70.4 57.0 85.6



#45  
 Dimethylphthalate  
 Concen: 6.504 ng/ul  
 RT: 13.44 min Scan# 1820  
 Delta R.T. 0.00 min  
 Lab File: BM026821.D  
 Acq: 21 Jul 2020 23:10

Tgt Ion:163 Resp: 118069  
 Ion Ratio Lower Upper  
 163 100  
 194 4.6 3.5 5.3  
 164 11.0 7.8 11.6





#50

Acenaphthene

Concen: 33.217 ng/ul

RT: 14.03 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

PMW-2MSD

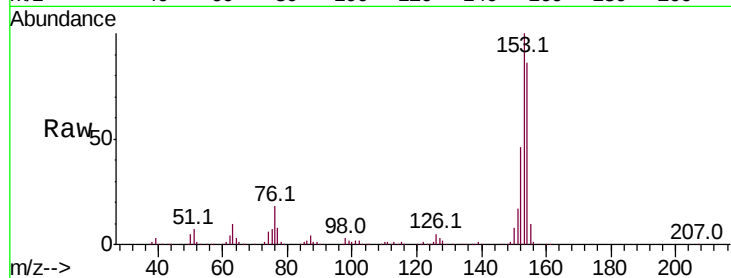
Tot Ion:153 Resp: 526898

Ion Ratio Lower Upper

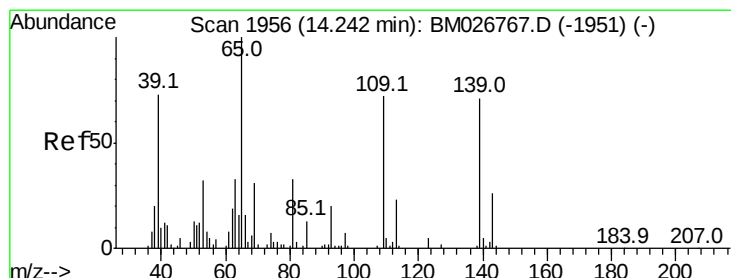
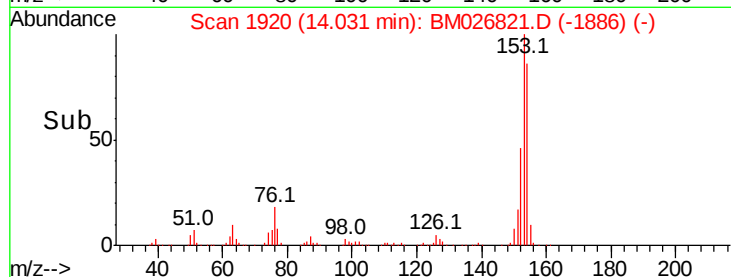
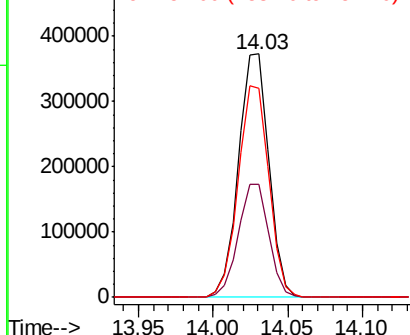
153 100

152 46.3 37.7 56.5

154 86.0 71.3 106.9



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: 7.969 ng/ul

RT: 14.25 min Scan# 1957

Delta R.T. 0.01 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

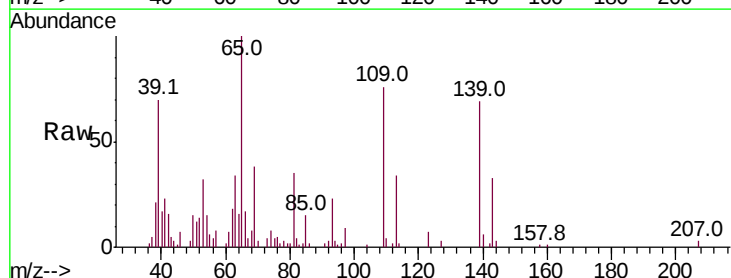
Tgt Ion:109 Resp: 20529

Ion Ratio Lower Upper

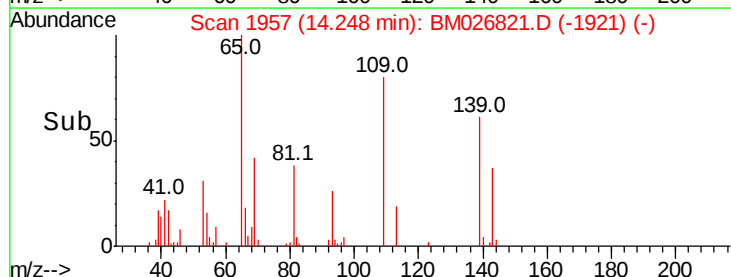
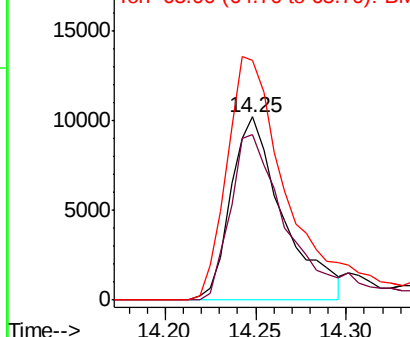
109 100

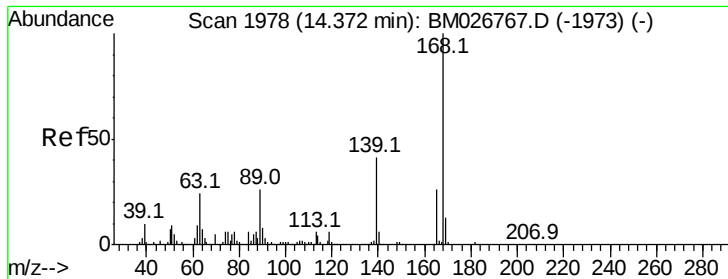
139 90.1 87.5 131.3

65 131.2 119.4 179.2



Abundance Ion 109.00 (108.70 to 109.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BM

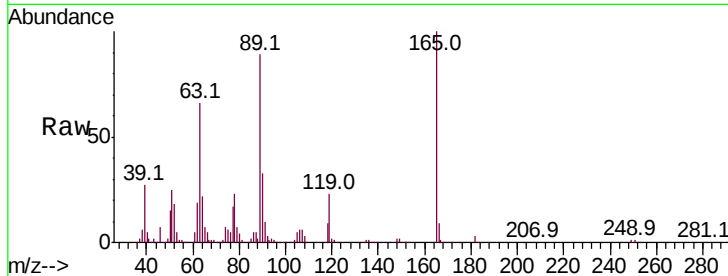




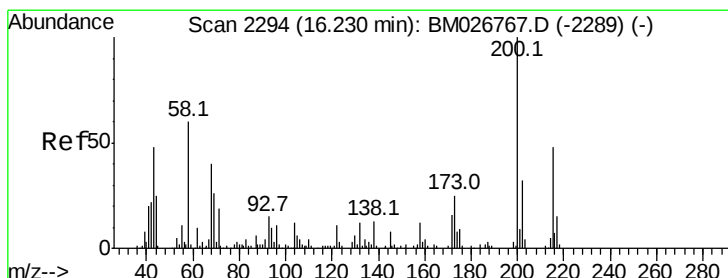
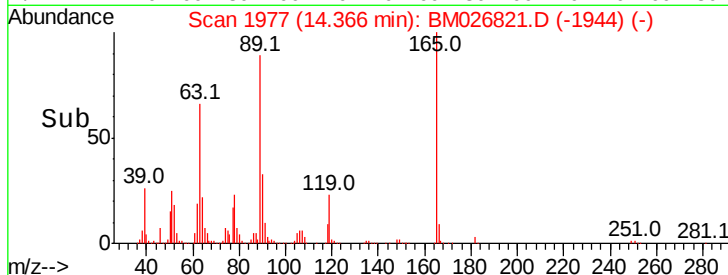
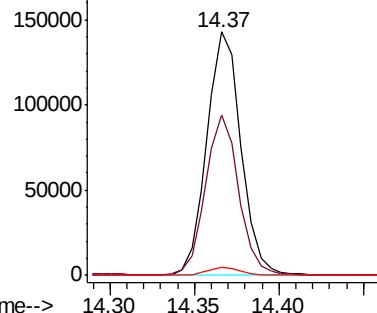
#55  
 2,4-Dinitrotoluene  
 Concen: 38.675 ng/ul  
 RT: 14.37 min Scan# 1977  
 Delta R.T. -0.01 min  
 Lab File: BM026821.D  
 Acq: 21 Jul 2020 23:10

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PMW-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 66.1  | 65.3  | 97.9  |
| 182     | 3.1   | 2.2   | 3.4   |

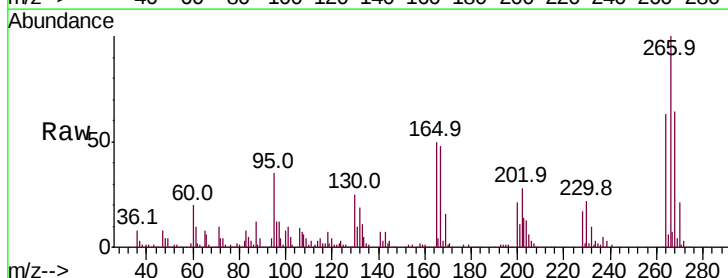


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BM  
 Ion 182.00 (181.70 to 182.70): E

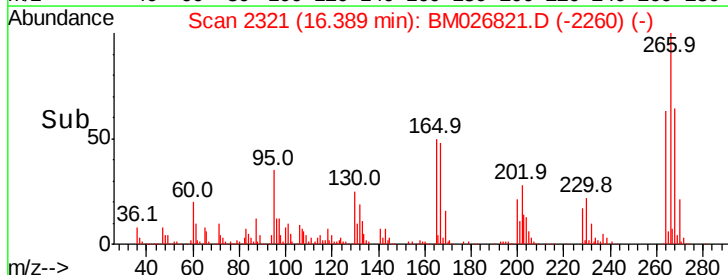
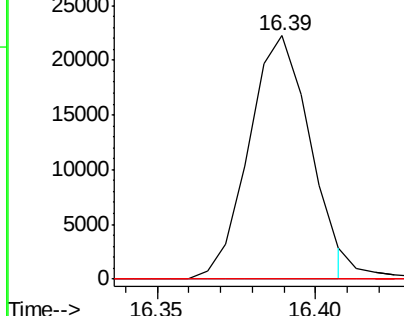


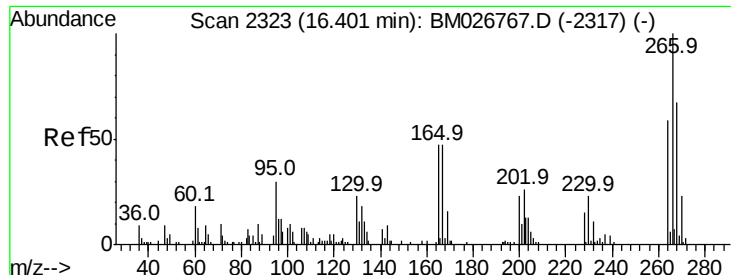
#68  
 Atrazine  
 Concen: 5.614 ng/ul  
 RT: 16.39 min Scan# 2321  
 Delta R.T. 0.16 min  
 Lab File: BM026821.D  
 Acq: 21 Jul 2020 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 0.0   | 20.8  | 31.2# |
| 215     | 0.0   | 37.8  | 56.8# |



Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 42.671 ng/ul

RT: 16.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

PMW-2MSD

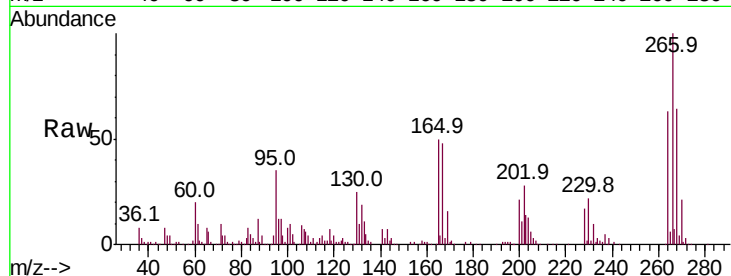
Tot Ion:266 Resp: 141161

Ion Ratio Lower Upper

266 100

264 62.5 49.9 74.9

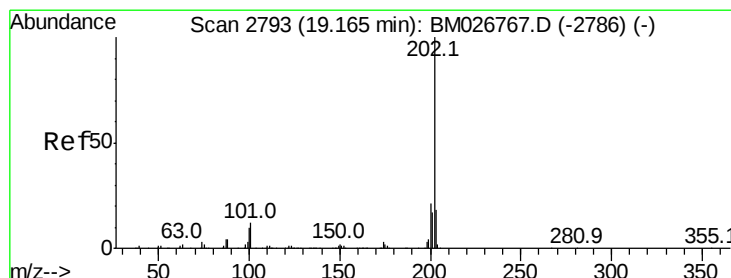
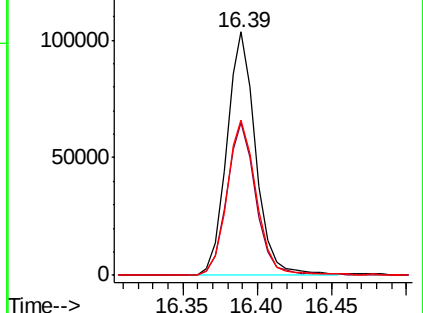
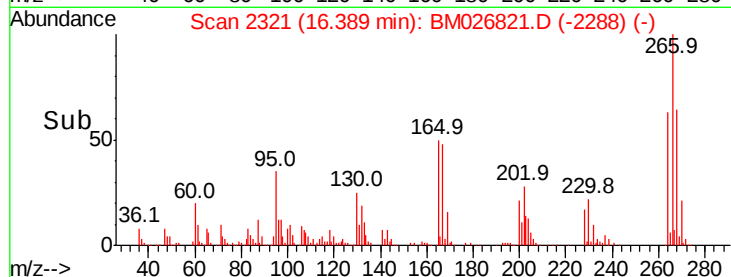
268 63.6 51.4 77.0



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



#80

Pyrene

Concen: 40.026 ng/ul

RT: 19.17 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BM026821.D

Acq: 21 Jul 2020 23:10

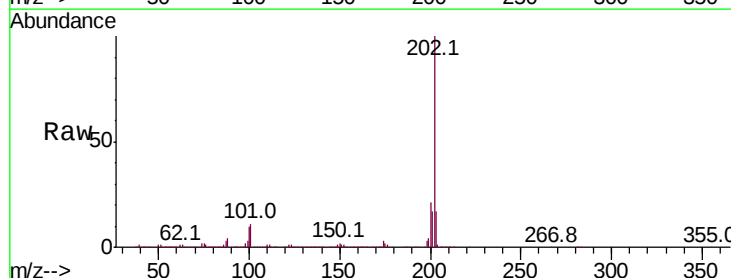
Tgt Ion:202 Resp: 1397056

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

100 9.7 8.0 12.0



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): E

