

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106788.D  
 Acq On : 25 Jun 2018 22:48  
 Operator : JU/SJ  
 Sample : J3241-17MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062218-CMSD

Manual Integrations  
 APPROVED

Sohil

6/27/2018 10:55:46 AM

Quant Time: Jun 26 04:30:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 50708    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 181768   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 82036    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 144912   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 113195   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.70 | 264  | 84852    | 20.00 | ng    | -0.02    |

#### System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 301827 | 100.79 | ng | 0.00 |
| 7) Phenol-d6             | 6.61  | 99  | 373601 | 99.90  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 233404 | 71.36  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 102401 | 107.70 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.32  | 172 | 417905 | 86.48  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.08 | 244 | 439276 | 94.00  | ng | 0.00 |

#### Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.83 | 88  | 36889  | 23.961 | ng | 97     |
| 3) Pyridine                    | 3.61 | 79  | 107676 | 25.788 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.57 | 42  | 47186  | 26.608 | ng | 80     |
| 6) Aniline                     | 6.63 | 93  | 98618  | 19.441 | ng | # 70   |
| 8) 2-Chlorophenol              | 6.75 | 128 | 109888 | 33.456 | ng | 98     |
| 9) Benzaldehyde                | 6.52 | 77  | 78249  | 28.416 | ng | 94     |
| 10) Phenol                     | 6.62 | 94  | 140737 | 32.976 | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 116183 | 32.975 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 128889 | 33.505 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 128268 | 32.980 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 119645 | 33.567 | ng | 98     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 96839  | 32.249 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 151579 | 32.790 | ng | 62     |
| 17) 2-Methylphenol             | 7.22 | 107 | 91627  | 32.598 | ng | # 88   |
| 18) Hexachloroethane           | 7.47 | 117 | 37879  | 27.696 | ng | # 83   |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 73786  | 29.933 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 114556 | 35.626 | ng | # 62   |
| 22) Acetophenone               | 7.37 | 105 | 152578 | 37.520 | ng | # 97   |
| 24) Nitrobenzene               | 7.55 | 77  | 114346 | 34.242 | ng | 99     |
| 25) Isophorone                 | 7.78 | 82  | 207375 | 35.980 | ng | 99     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 57180  | 36.273 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 96579  | 39.638 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93  | 135680 | 35.061 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 94310  | 36.971 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 107077 | 38.104 | ng | 96     |
| 31) Naphthalene                | 8.27 | 128 | 306908 | 36.115 | ng | 98     |
| 32) Benzoic acid               | 7.98 | 122 | 8744m  | 10.076 | ng |        |
| 33) 4-Chloroaniline            | 8.32 | 127 | 67954  | 19.057 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 69711  | 38.071 | ng | 99     |
| 35) Caprolactam                | 8.68 | 113 | 30989  | 37.268 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 89292  | 33.256 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 220333 | 39.116 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 110397 | 39.960 | ng | # 96   |
| 42) 2,4,6-Trichlorophenol      | 9.24 | 196 | 64755  | 35.261 | ng | 94     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106788.D  
 Acq On : 25 Jun 2018 22:48  
 Operator : JU/SJ  
 Sample : J3241-17MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062218-CMSD

Manual Integrations  
 APPROVED

Sohil

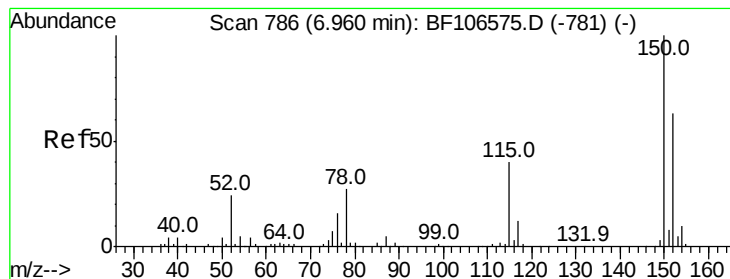
6/27/2018 10:55:46 AM

Quant Time: Jun 26 04:30:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 64889m   | 33.862 | nq    |          |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 252769   | 38.662 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 180089   | 34.994 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 57491    | 33.222 | nq    | 97       |
| 48) Acenaphthylene             | 9.87  | 152  | 283980   | 34.952 | nq    | 99       |
| 49) Dimethylphthalate          | 9.72  | 163  | 277238   | 45.059 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 45550    | 34.961 | nq    | # 81     |
| 51) Acenaphthene               | 10.04 | 154  | 170647   | 33.353 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 43849    | 29.247 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 10.07 | 184  | 6244     | 13.954 | nq    | # 19     |
| 54) Dibenzofuran               | 10.21 | 168  | 256986   | 36.682 | nq    | 94       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 57347    | 54.798 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 56461    | 33.200 | nq    | # 82     |
| 57) Fluorene                   | 10.55 | 166  | 200341   | 36.037 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 55472    | 36.417 | nq    | # 78     |
| 59) Diethylphthalate           | 10.41 | 149  | 193696   | 32.617 | nq    | # 93     |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 103433   | 35.559 | nq    | # 83     |
| 61) 4-Nitroaniline             | 10.58 | 138  | 45027    | 30.261 | nq    | 93       |
| 62) Azobenzene                 | 10.70 | 77   | 174477   | 29.836 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 7894     | 8.813  | nq    | # 80     |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 171014   | 35.086 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 66620    | 38.521 | nq    | # 83     |
| 67) Hexachlorobenzene          | 11.10 | 284  | 67684    | 37.392 | nq    | # 87     |
| 68) Atrazine                   | 11.18 | 200  | 58400    | 37.689 | nq    | 94       |
| 69) Pentachlorophenol          | 11.30 | 266  | 46290    | 51.253 | nq    | 97       |
| 70) Phenanthrene               | 11.52 | 178  | 359050   | 51.371 | nq    | 98       |
| 71) Anthracene                 | 11.57 | 178  | 302851   | 42.451 | nq    | 99       |
| 72) Carbazole                  | 11.73 | 167  | 247861   | 37.109 | nq    | 98       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 277699   | 35.291 | nq    | 98       |
| 74) Fluoranthene               | 12.72 | 202  | 481044   | 62.443 | nq    | 95       |
| 76) Benzidine                  | 12.84 | 184  | 85331    | 26.469 | nq    | 97       |
| 77) Pyrene                     | 12.95 | 202  | 471393   | 63.152 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 112908   | 36.790 | nq    | # 94     |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 343451   | 49.783 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 68328    | 28.180 | nq    | # 97     |
| 82) Chrysene                   | 14.18 | 228  | 316970   | 49.941 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 150039   | 38.240 | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 246114   | 38.481 | nq    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.30 | 276  | 223736   | 41.539 | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 15.25 | 252  | 285727   | 54.208 | nq    | # 94     |
| 88) Benzo(k)fluoranthene       | 15.28 | 252  | 206694   | 41.178 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 15.64 | 252  | 238355   | 50.868 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.31 | 278  | 157417   | 39.640 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 17.78 | 276  | 197155   | 50.794 | nq    | # 89     |
| -----                          |       |      |          |        |       |          |

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





#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

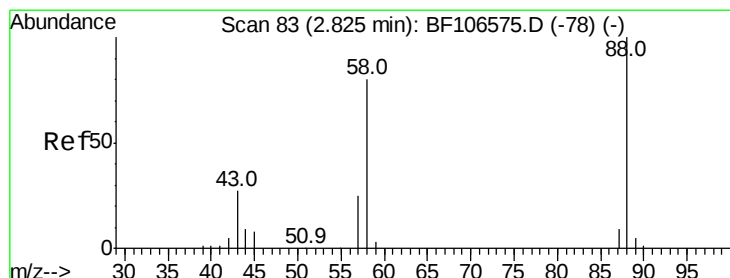
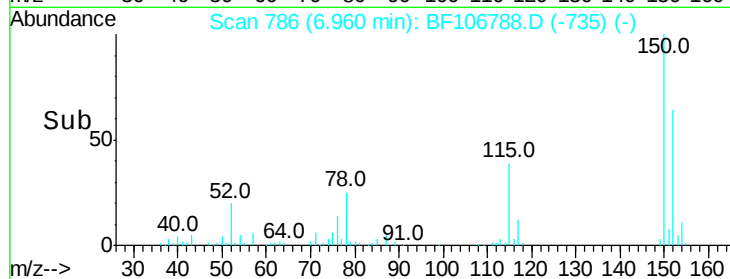
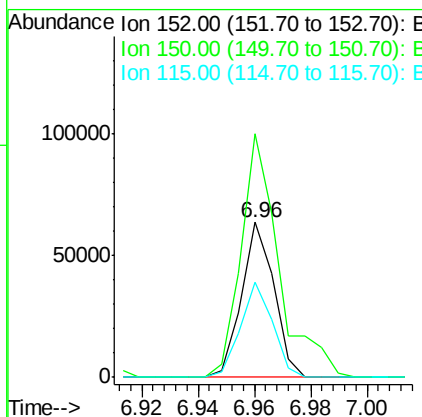
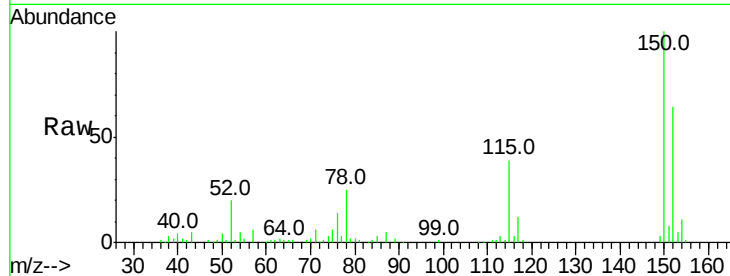
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.6 | 186.8 |
| 115     | 61.5  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

Sohil

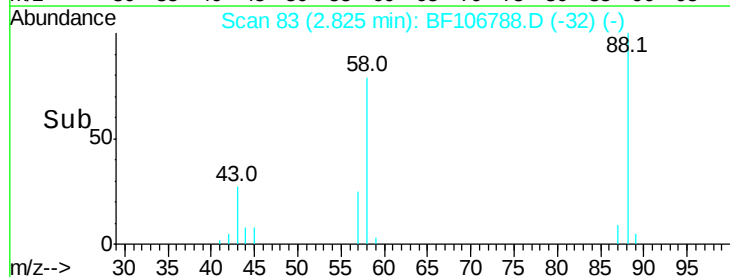
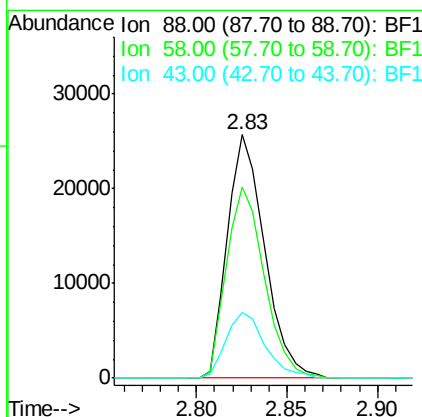
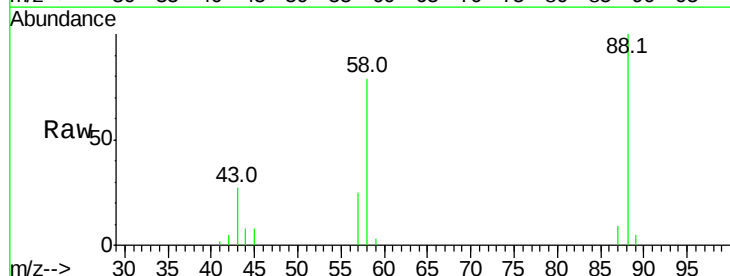
6/27/2018 10:55:46 AM

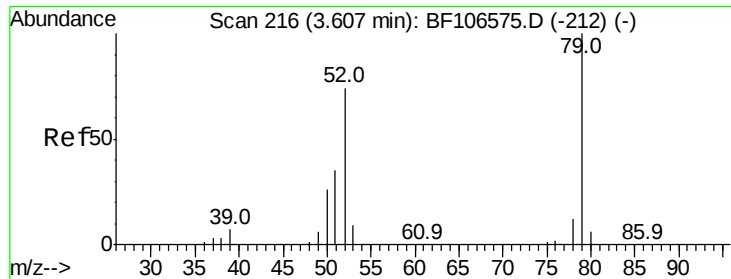


#2

1,4-Dioxane  
Concen: 23.961 ng  
RT: 2.83 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.7  | 62.6  | 93.8  |
| 43      | 28.3  | 24.6  | 37.0  |





#3

Pvridine

Concen: 25.788 ng

RT: 3.61 min Scan# 217

Delta R.T. 0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

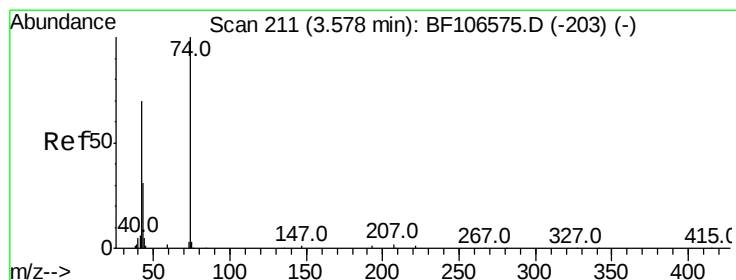
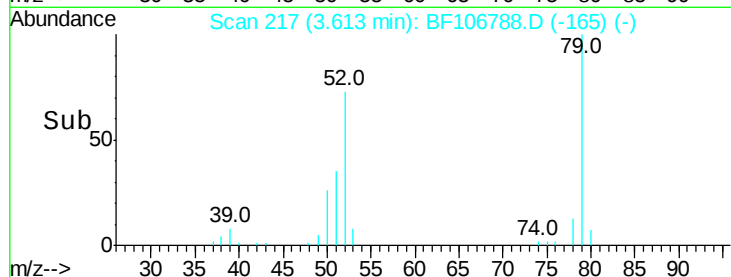
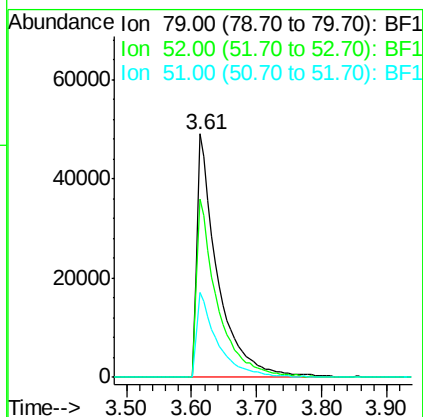
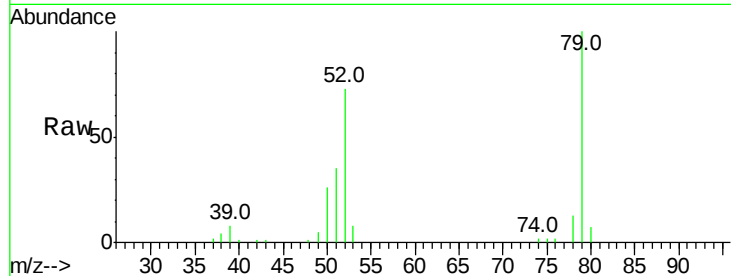
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 107676 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 73.2  | 59.8  | 89.6   |
| 51        | 35.0  | 29.8  | 44.8   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#4

n-Nitrosodimethylamine

Concen: 26.608 ng

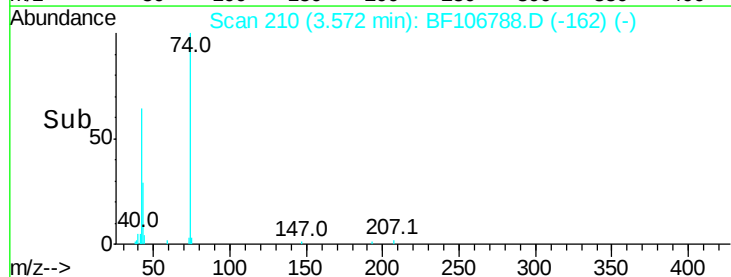
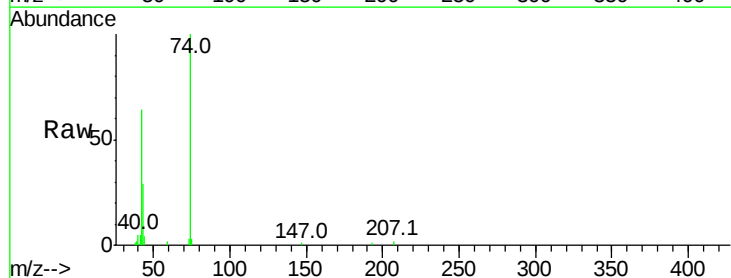
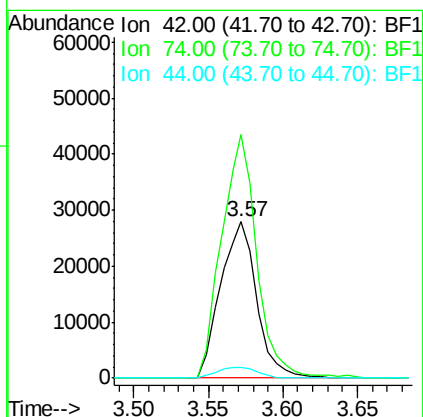
RT: 3.57 min Scan# 210

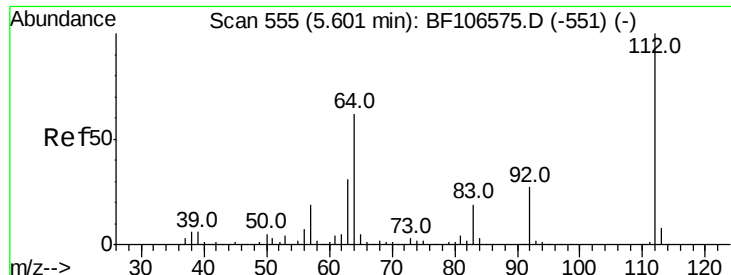
Delta R.T. -0.02 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 47186 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 155.8 | 104.9 | 157.3 |
| 44        | 7.0   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 100.791 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

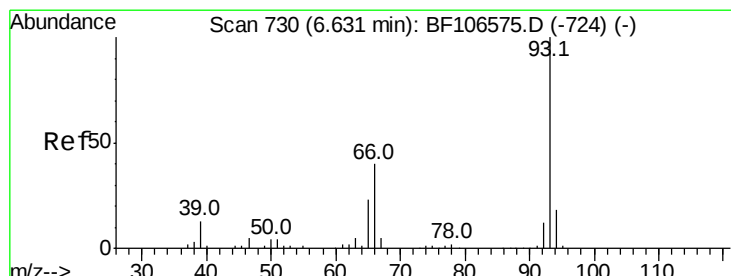
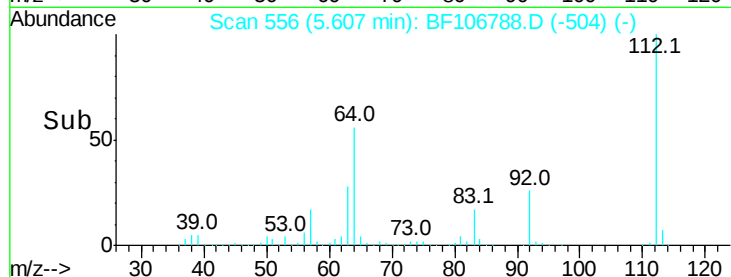
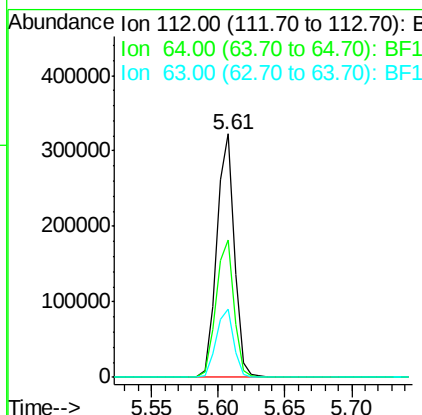
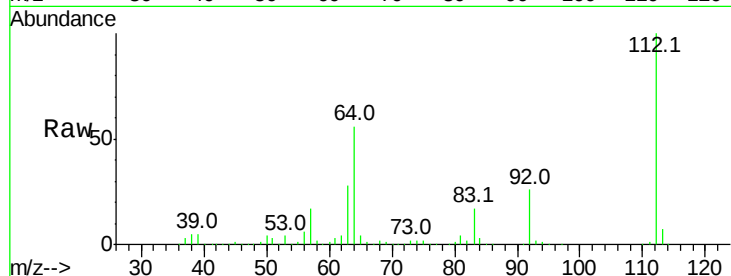
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 301827 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.3  | 47.9  | 71.9   |
| 63        | 27.9  | 23.7  | 35.5   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#6

Aniline

Concen: 19.441 ng

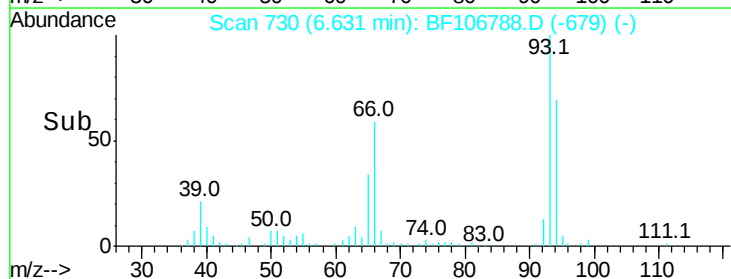
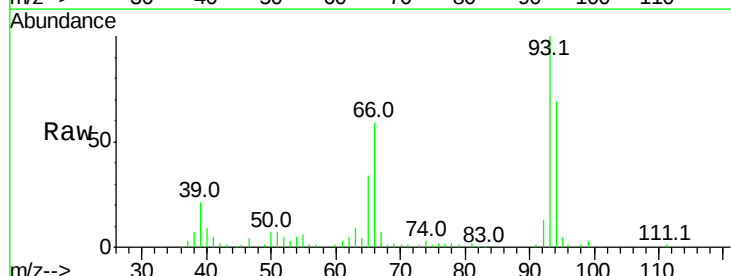
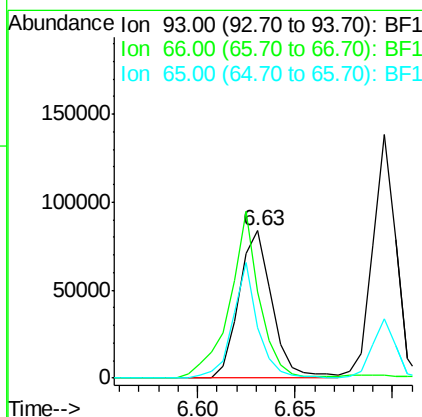
RT: 6.63 min Scan# 730

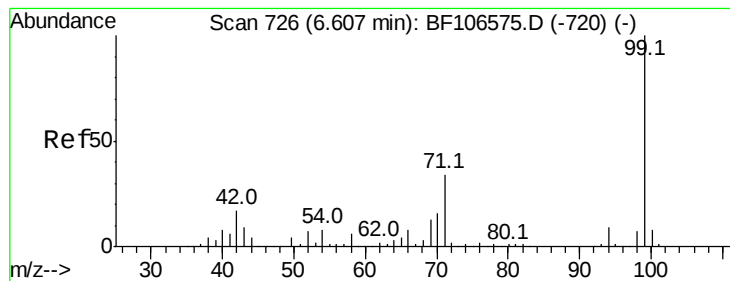
Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 98618 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 58.7  | 32.2  | 48.2# |
| 65        | 34.0  | 16.4  | 24.6# |





#7

Phenol-d6

Concen: 99.902 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

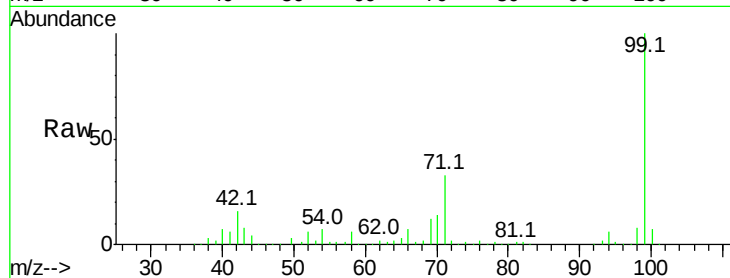
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 373601 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.9  | 14.5  | 21.7   |
| 71        | 33.2  | 25.4  | 38.0   |

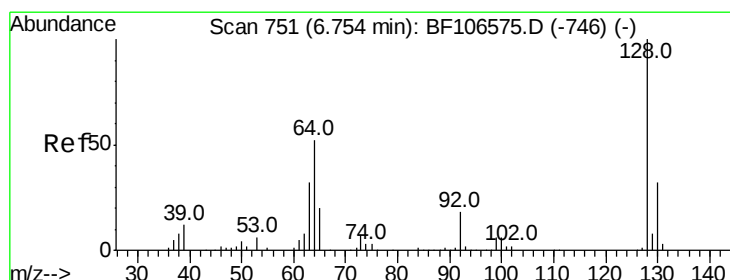
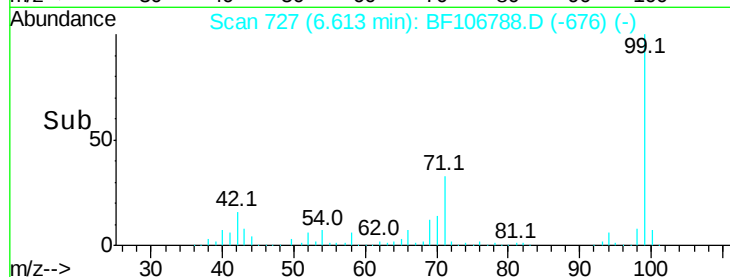
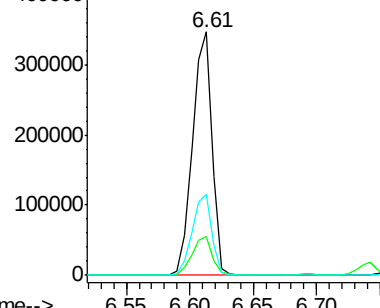
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 33.456 ng

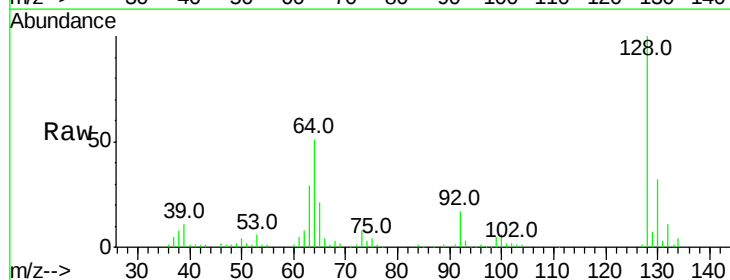
RT: 6.75 min Scan# 751

Delta R.T. -0.01 min

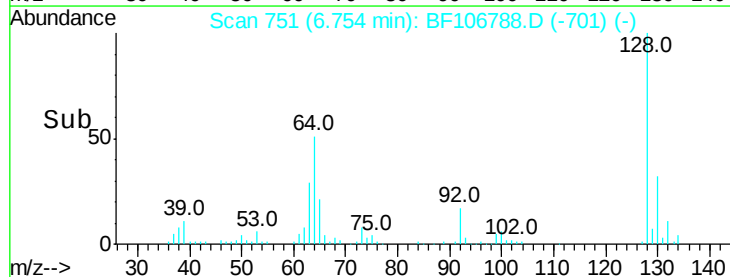
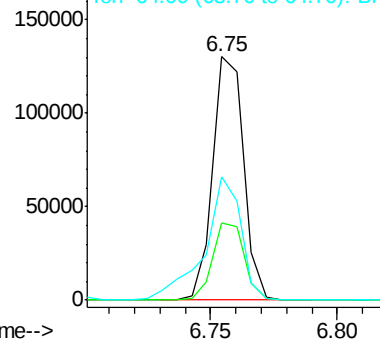
Lab File: BF106788.D

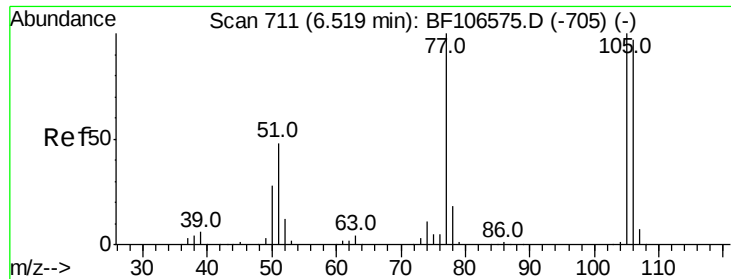
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 109888 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.5  | 13.0  | 53.0   |
| 64        | 50.8  | 29.4  | 69.4   |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 28.416 ng

RT: 6.52 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion: 77 Resp: 78249

Ion Ratio Lower Upper

77 100

105 106.9 81.1 121.1

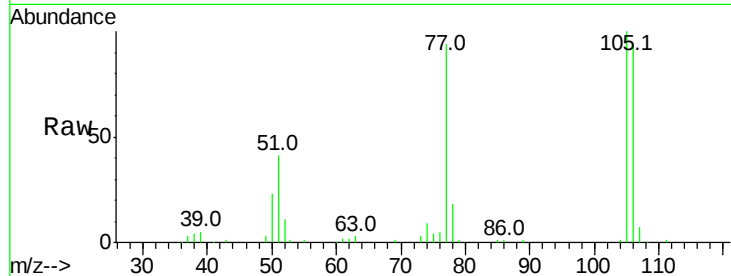
106 100.9 74.5 114.5

Manual Integrations

APPROVED

Sohil

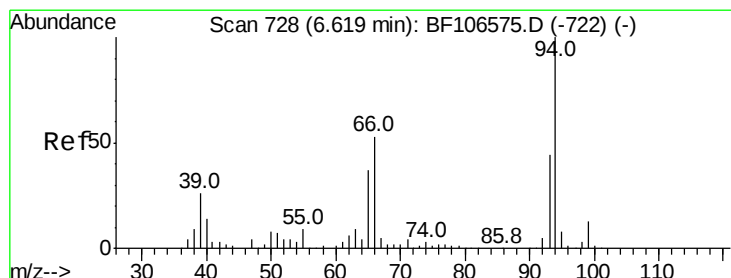
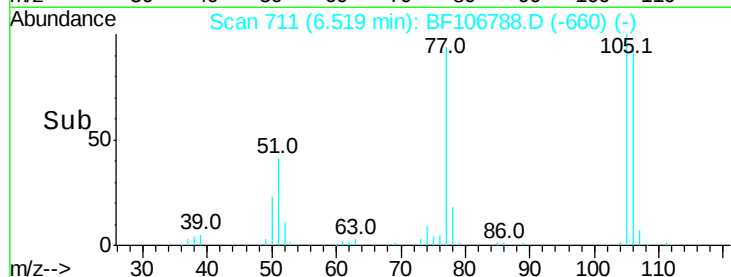
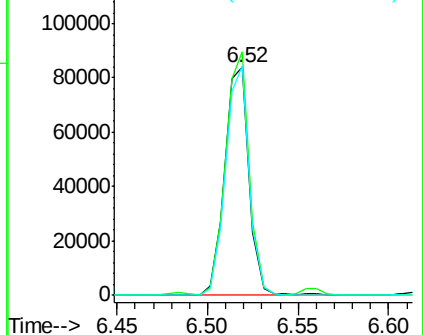
6/27/2018 10:55:46 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 32.976 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

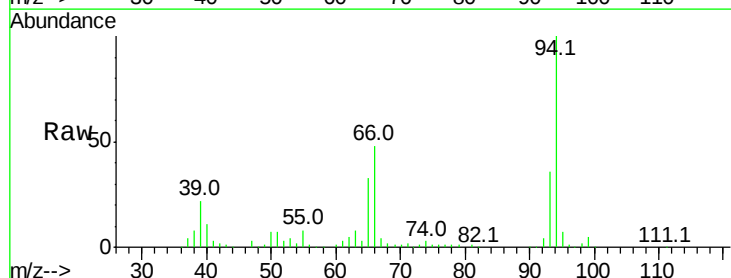
Tgt Ion: 94 Resp: 140737

Ion Ratio Lower Upper

94 100

65 33.1 7.9 47.9

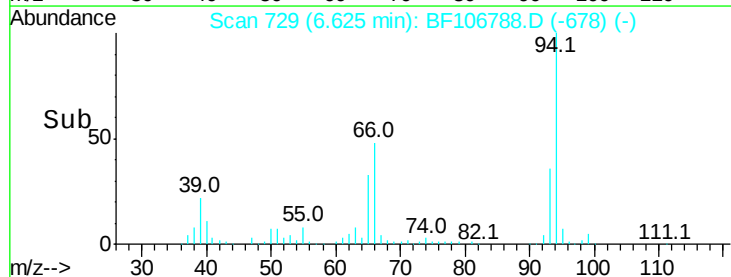
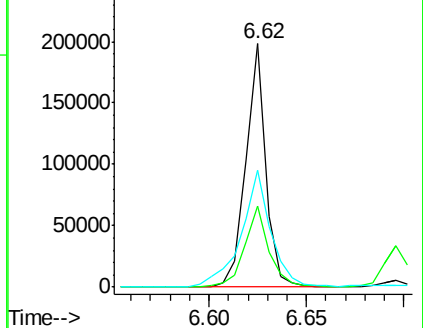
66 47.9 16.2 56.2

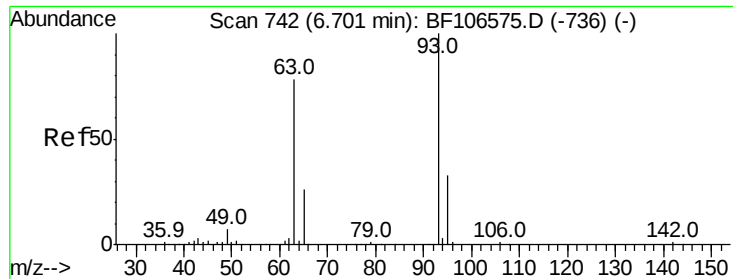


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 32.975 ng

RT: 6.70 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

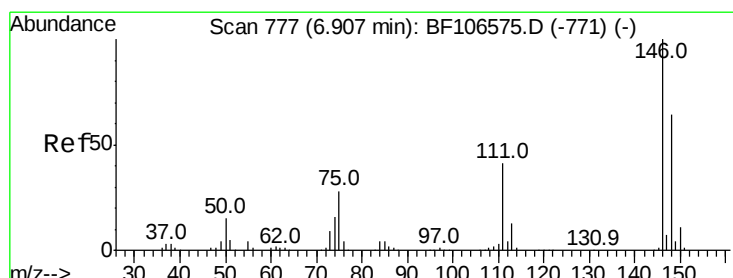
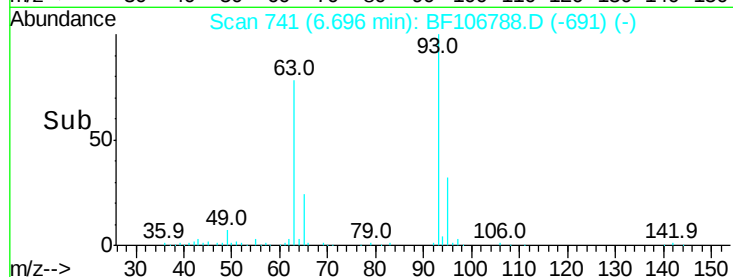
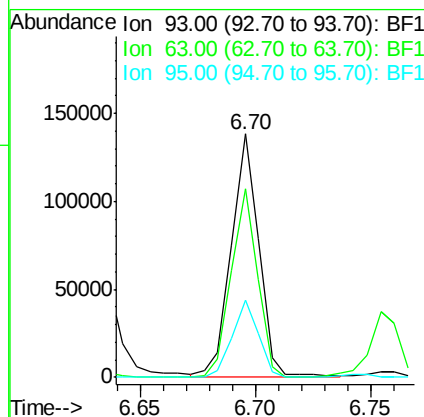
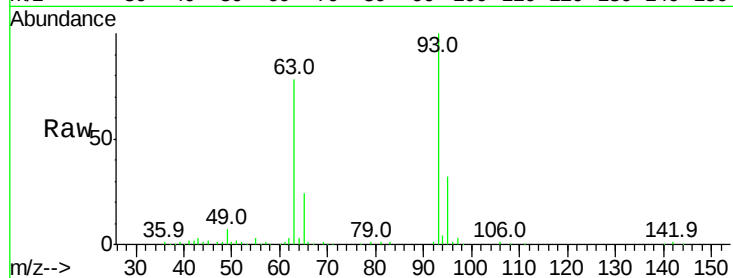
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 116183 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 77.6  | 58.6  | 98.6   |
| 95        | 31.9  | 11.8  | 51.8   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#12

1,3-Dichlorobenzene

Concen: 33.505 ng

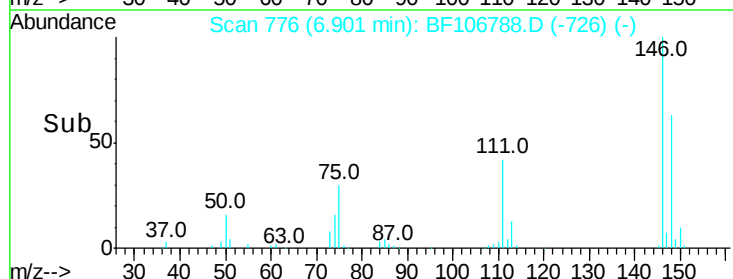
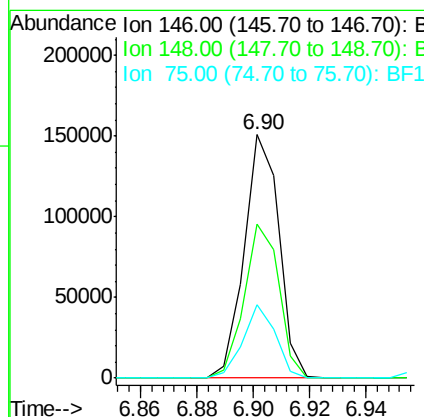
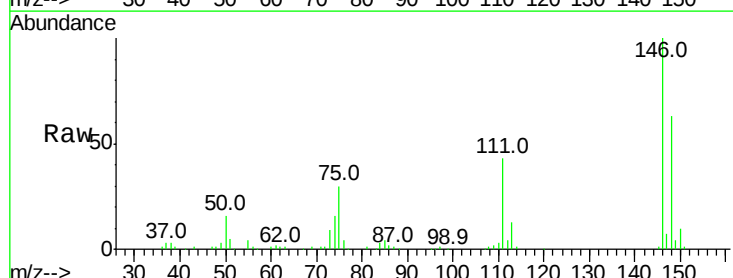
RT: 6.90 min Scan# 776

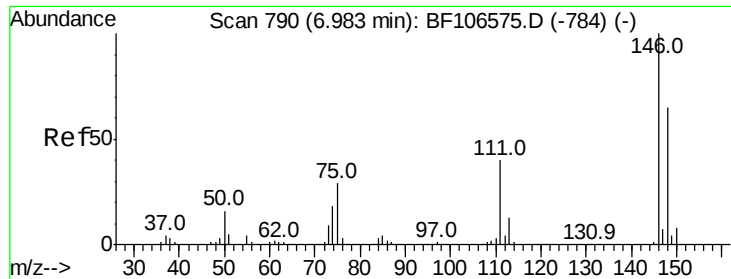
Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 128889 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.1  | 51.8  | 77.8   |
| 75        | 30.1  | 24.2  | 36.4   |





#13

1,4-Dichlorobenzene

Concen: 32.980 ng

RT: 6.98 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

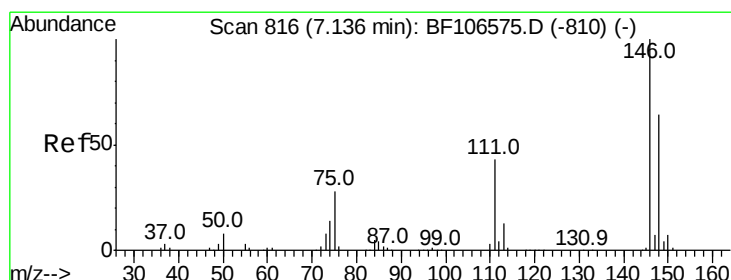
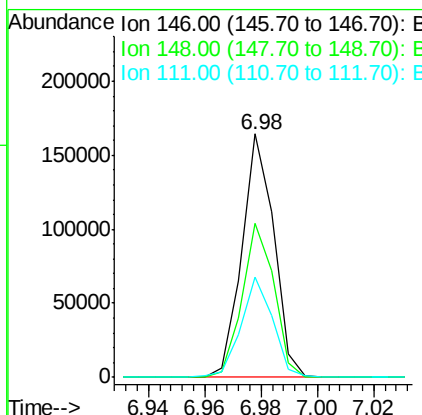
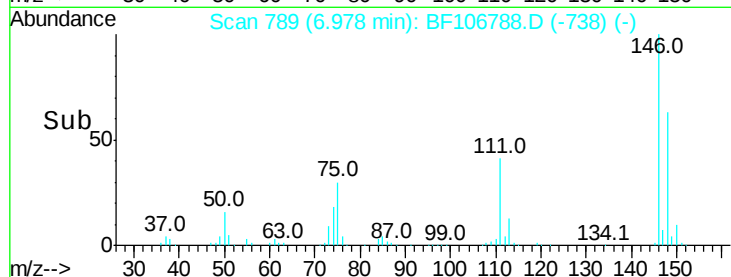
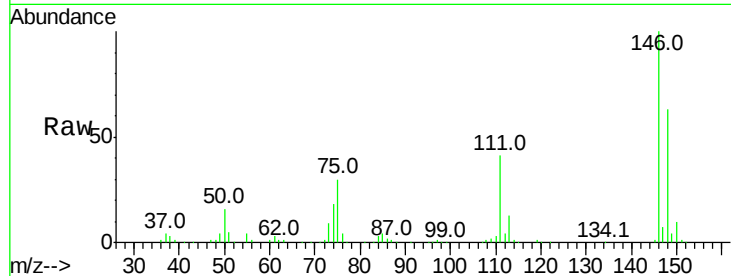
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 128268 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.2  | 50.8  | 76.2   |
| 111       | 40.9  | 34.2  | 51.2   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#14

1,2-Dichlorobenzene

Concen: 33.567 ng

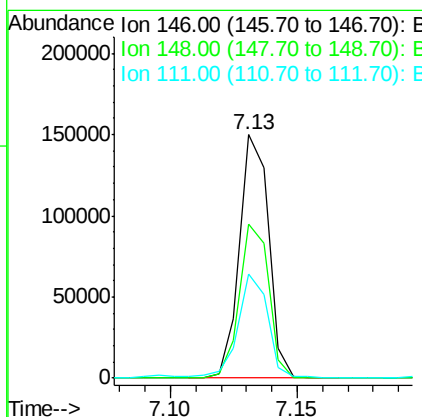
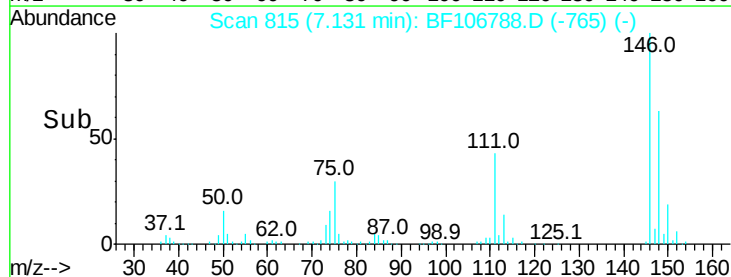
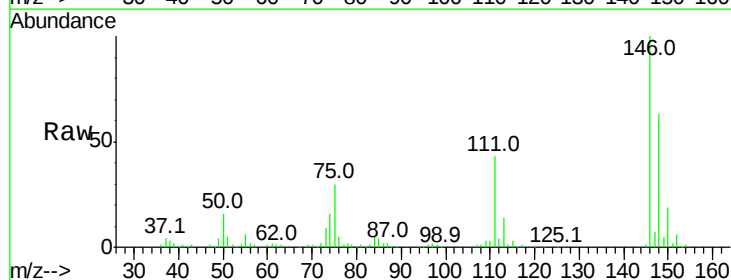
RT: 7.13 min Scan# 815

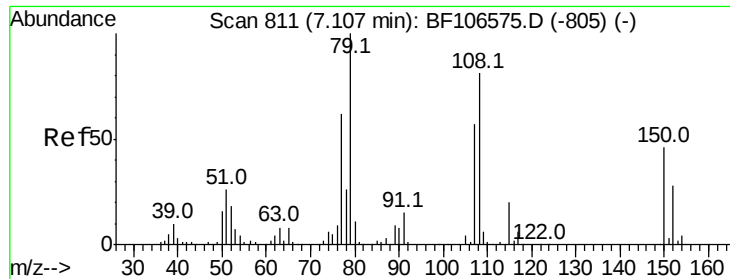
Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 119645 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.0  | 50.6  | 75.8   |
| 111       | 42.6  | 36.0  | 54.0   |





#15  
Benzyl Alcohol  
Concen: 32.249 ng  
RT: 7.11 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

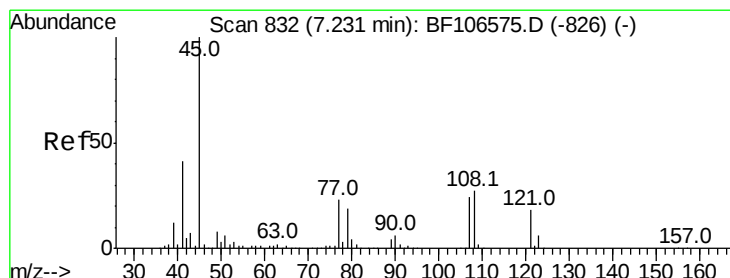
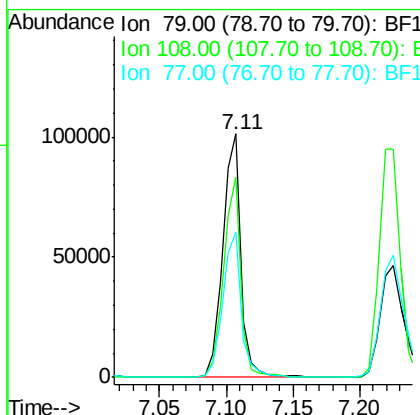
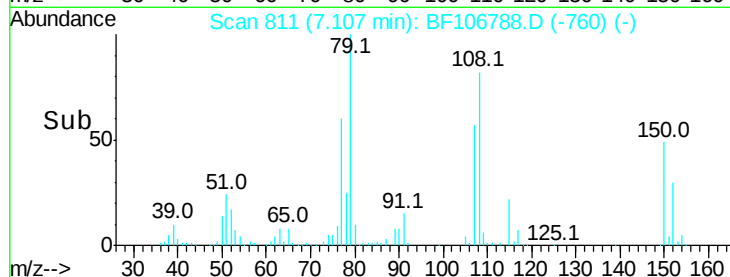
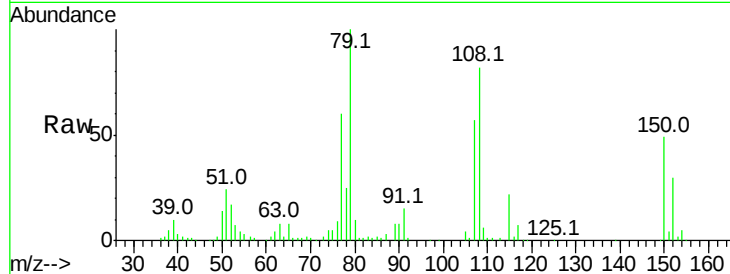
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 96839 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 82.1  | 65.1  | 97.7  |
| 77        | 59.7  | 50.6  | 75.8  |

Manual Integrations  
APPROVED

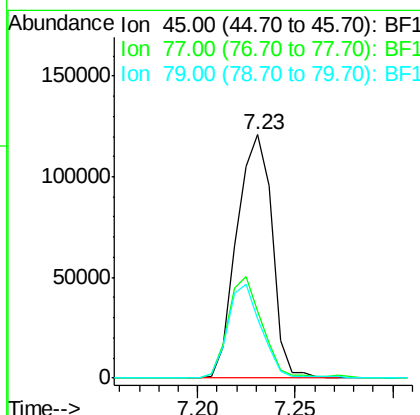
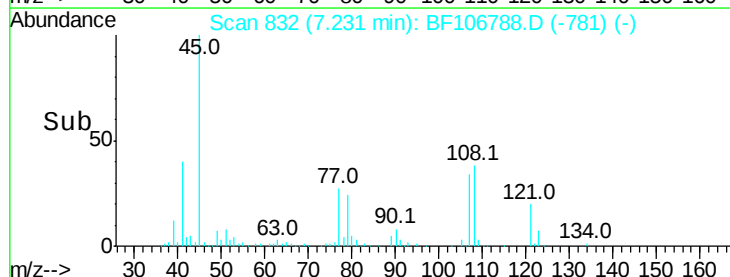
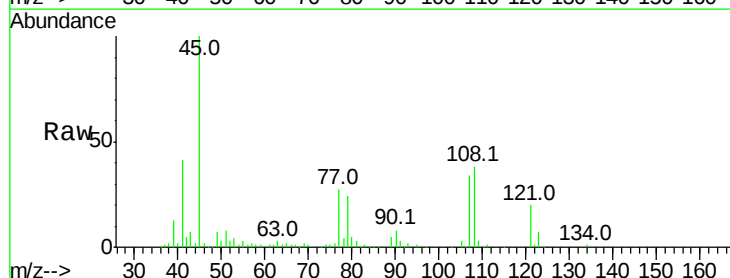
Sohil

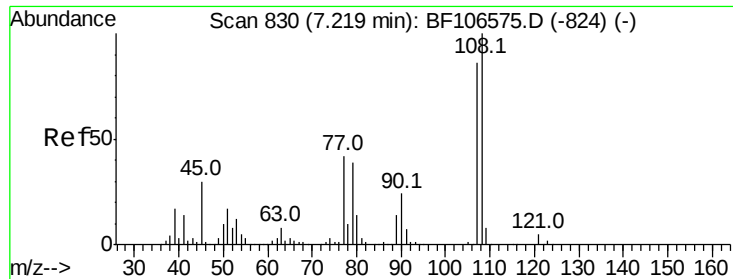
6/27/2018 10:55:46 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 32.790 ng  
RT: 7.23 min Scan# 832  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 151579 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 27.4  | 0.0   | 32.9   |
| 79        | 24.2  | 0.0   | 29.6   |





#17  
2-Methylphenol  
Concen: 32.598 ng  
RT: 7.22 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

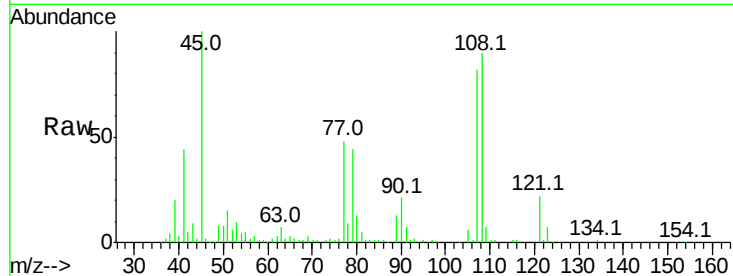
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 91627 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 110.6 | 91.7  | 137.5 |
| 77        | 58.9  | 33.8  | 50.8# |
| 79        | 54.2  | 33.8  | 50.8# |

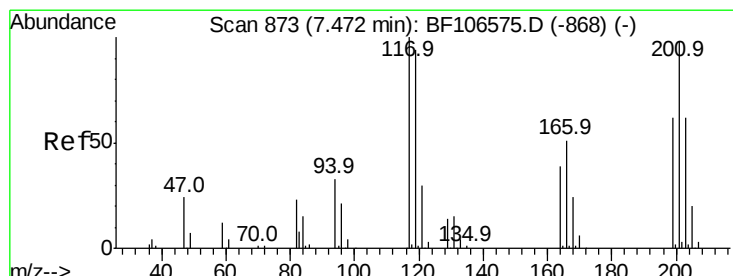
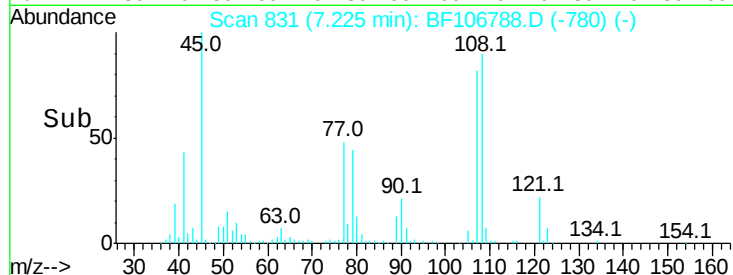
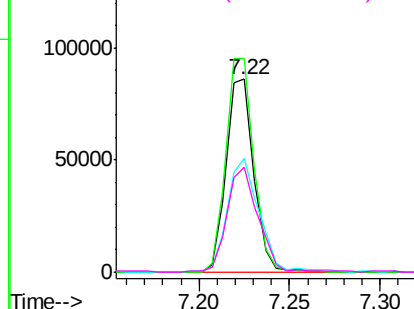
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



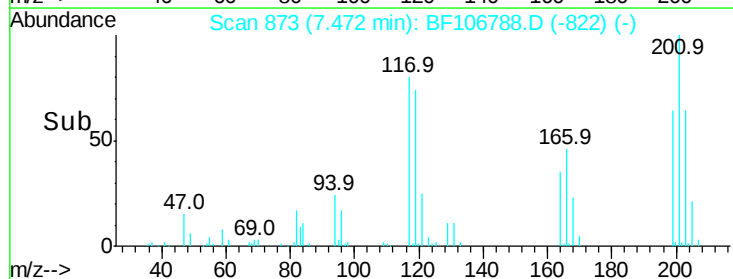
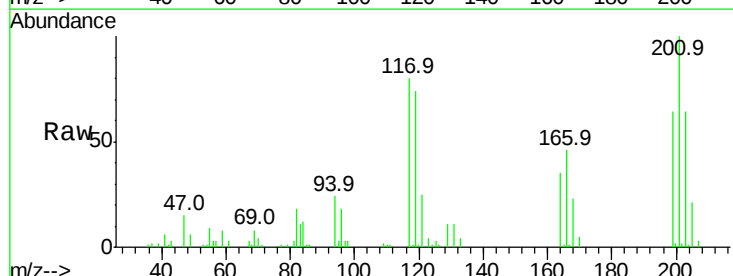
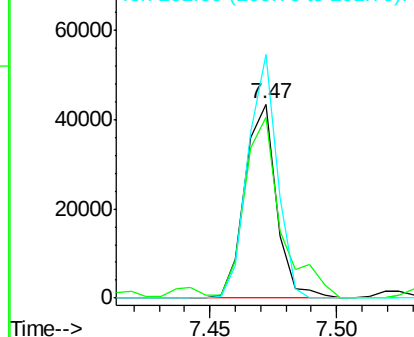
Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

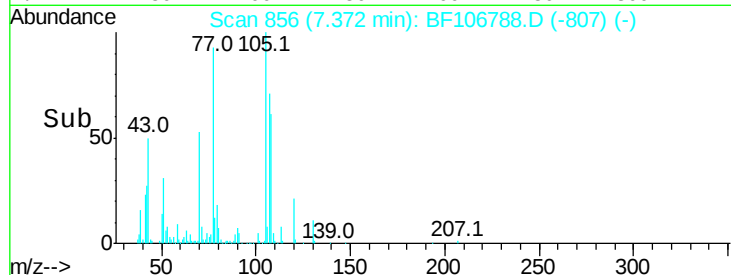
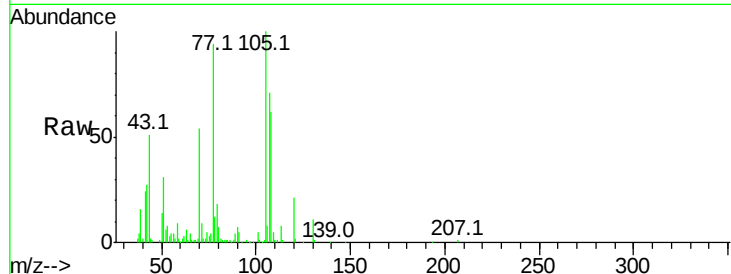
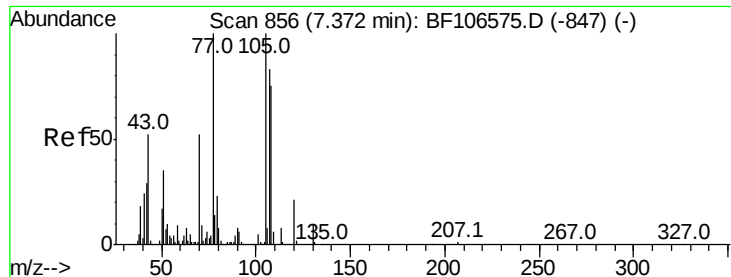


#18  
Hexachloroethane  
Concen: 27.696 ng  
RT: 7.47 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 37879  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 93.0  | 75.8  | 113.8  |
| 201       | 125.3 | 75.7  | 113.5# |

Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#19  
n-Nitroso-di-n-propylamine  
Concen: 29.933 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

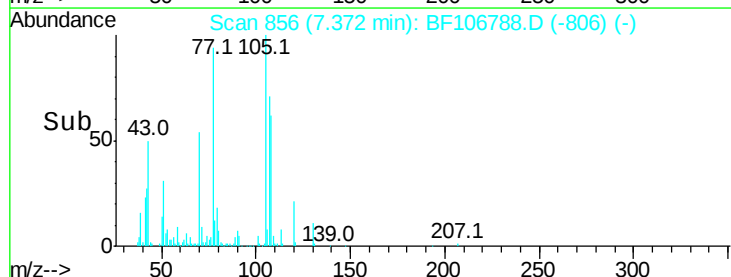
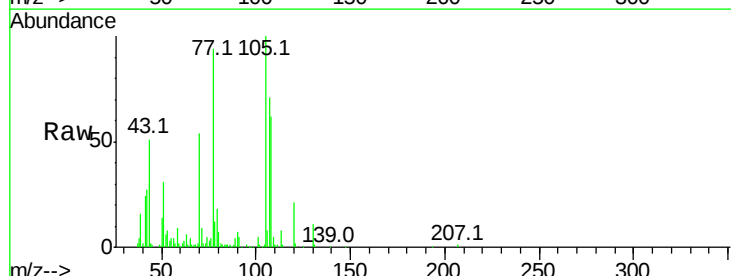
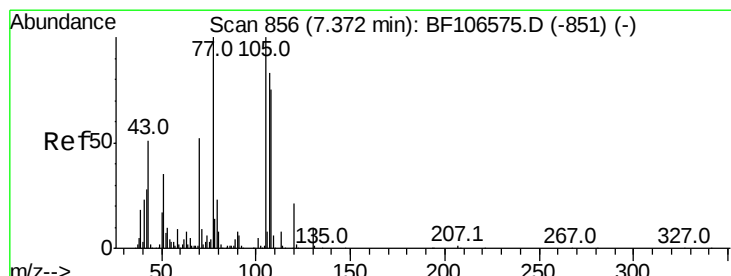
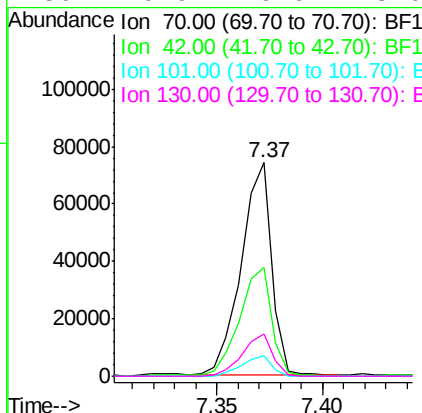
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion   | 70    | Resp  | 73786 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 50.8  | 47.5  | 71.3  |
| 101       | 9.7   | 7.4   | 11.2  |
| 130       | 19.9  | 16.6  | 25.0  |

Manual Integrations  
APPROVED

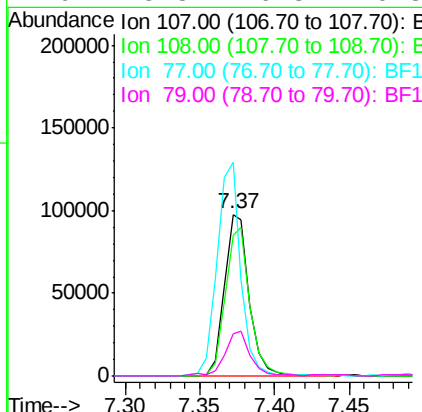
Sohil

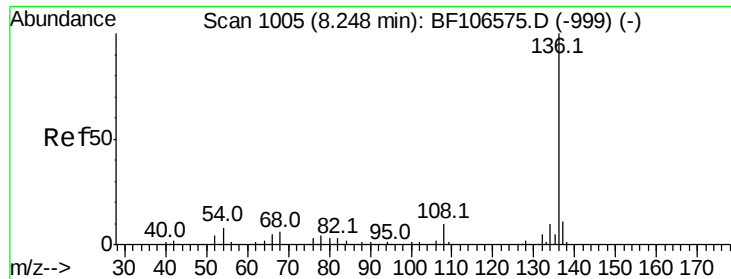
6/27/2018 10:55:46 AM



#20  
3+4-Methylphenols  
Concen: 35.626 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion   | 107   | Resp  | 114556 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 86.8  | 68.2  | 108.2  |
| 77        | 132.0 | 26.7  | 66.7#  |
| 79        | 25.8  | 6.3   | 46.3   |





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

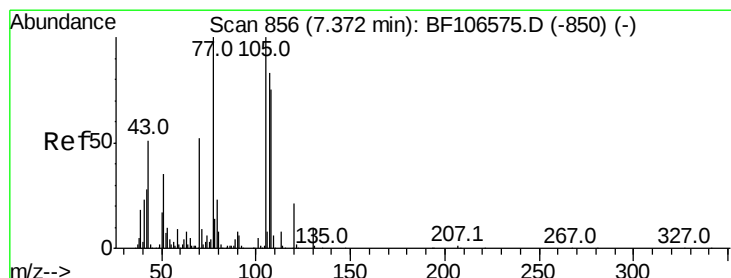
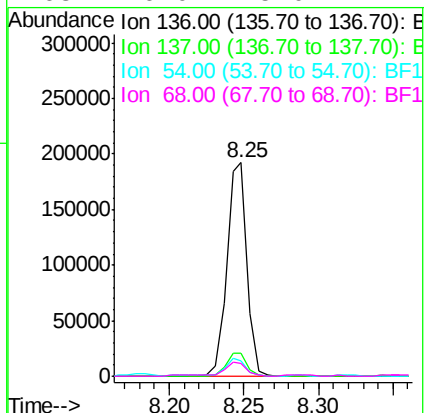
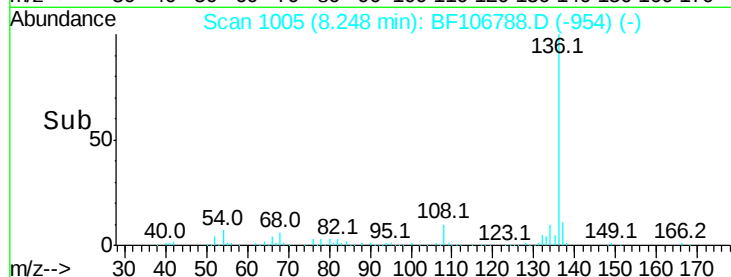
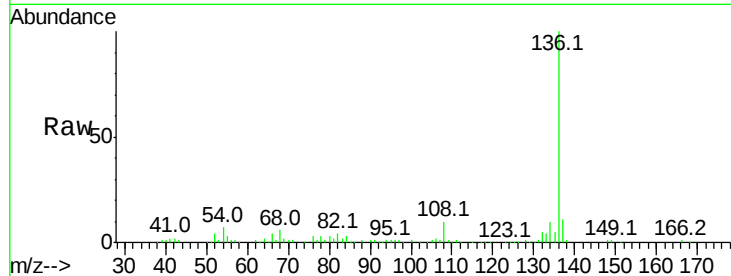
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.9  | 13.3  |       |
| 54      | 7.1   | 6.6  | 9.8   |       |
| 68      | 6.0   | 5.0  | 7.4   |       |

Manual Integrations  
APPROVED

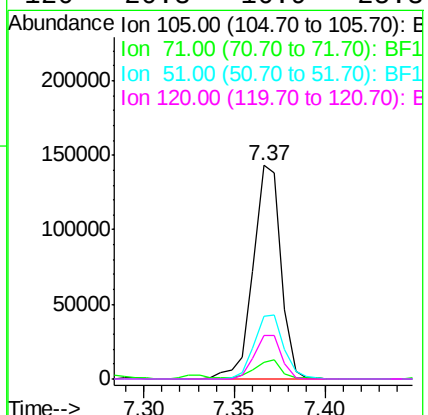
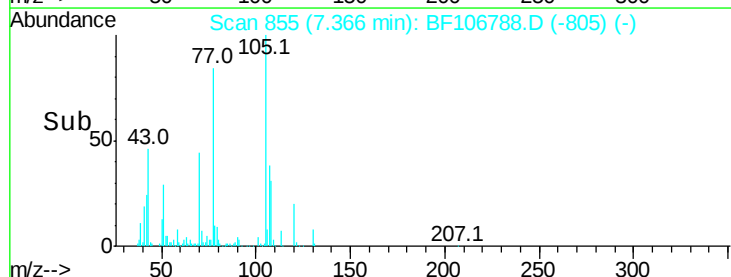
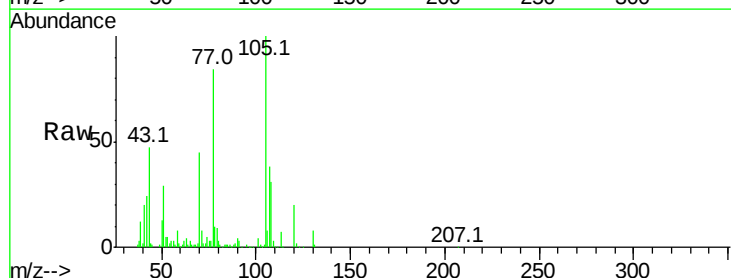
Sohil

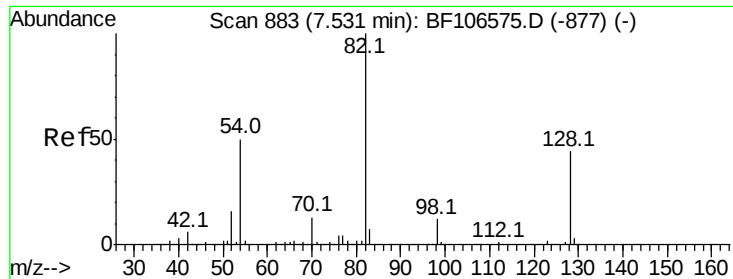
6/27/2018 10:55:46 AM



#22  
Acetophenone  
Concen: 37.520 ng  
RT: 7.37 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 7.7   | 4.4  | 6.6#  |       |
| 51      | 29.4  | 22.3 | 33.5  |       |
| 120     | 20.3  | 16.9 | 25.3  |       |





#23  
Nitrobenzene-d5  
Concen: 71.361 ng  
RT: 7.53 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

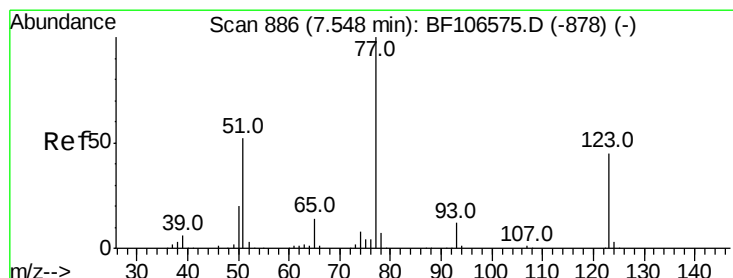
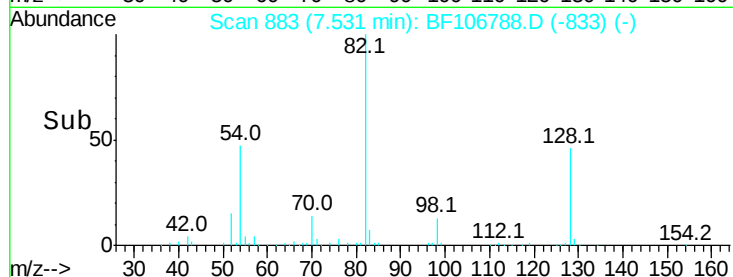
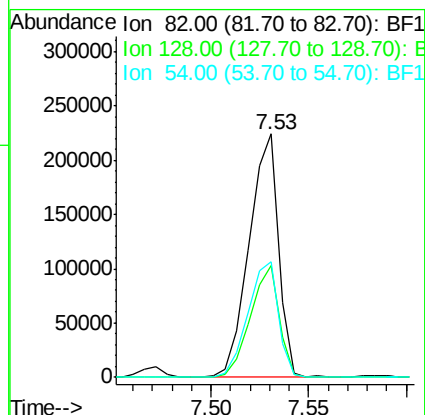
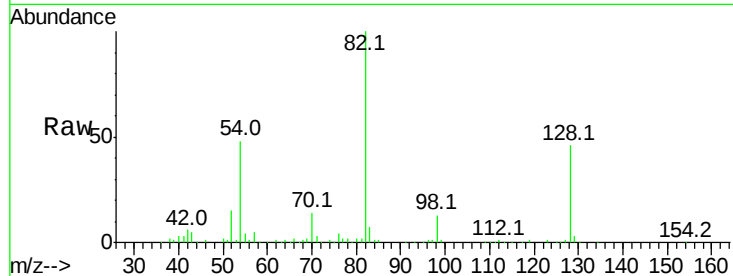
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 233404 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.8  | 36.1  | 54.1   |
| 54        | 47.6  | 41.4  | 62.2   |

Manual Integrations  
APPROVED

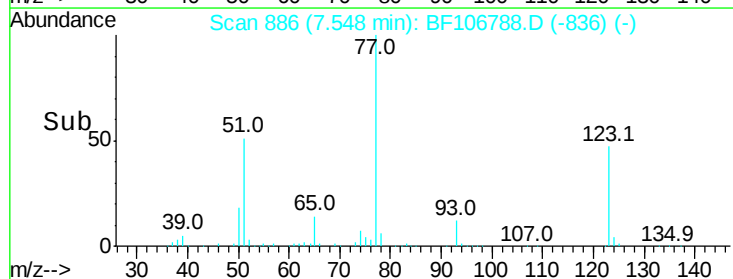
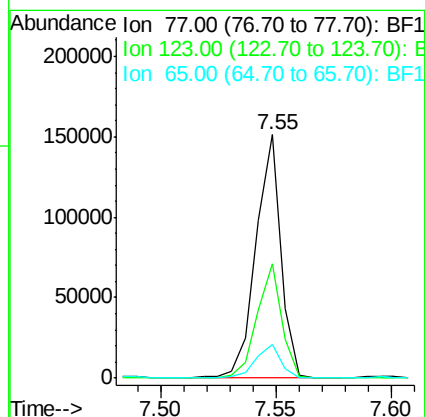
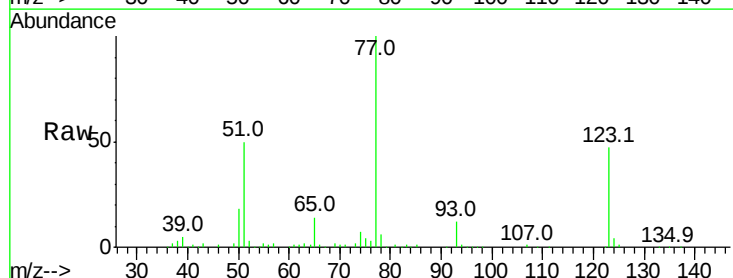
Sohil

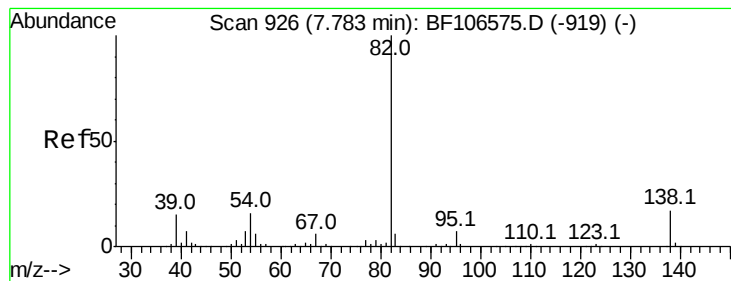
6/27/2018 10:55:46 AM



#24  
Nitrobenzene  
Concen: 34.242 ng  
RT: 7.55 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 114346 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 47.0  | 37.9  | 56.9   |
| 65        | 13.6  | 11.0  | 16.4   |





#25

Isophorone

Concen: 35.980 ng

RT: 7.78 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

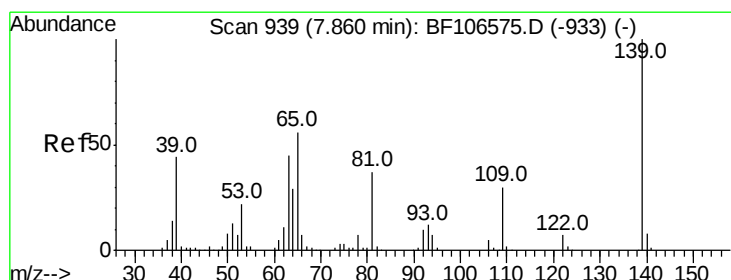
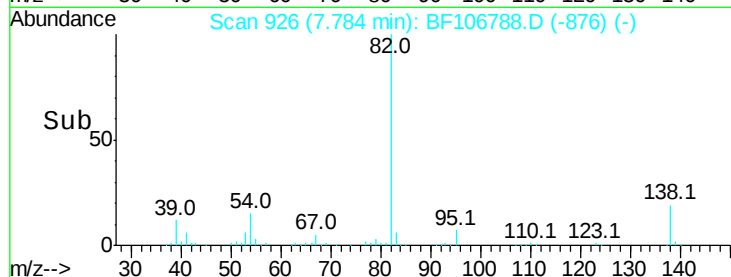
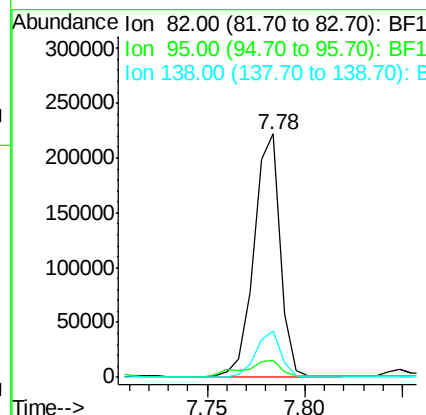
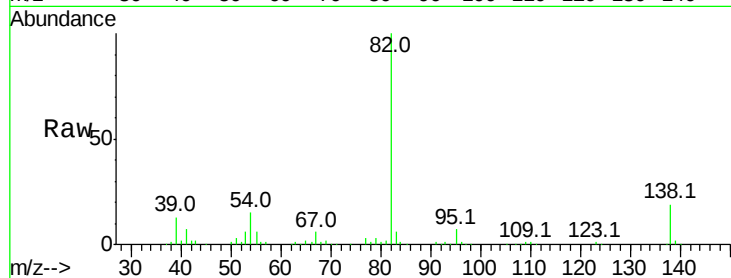
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 207375 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.2   | 5.2   | 7.8    |
| 138       | 19.2  | 14.9  | 22.3   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#26

2-Nitrophenol

Concen: 36.273 ng

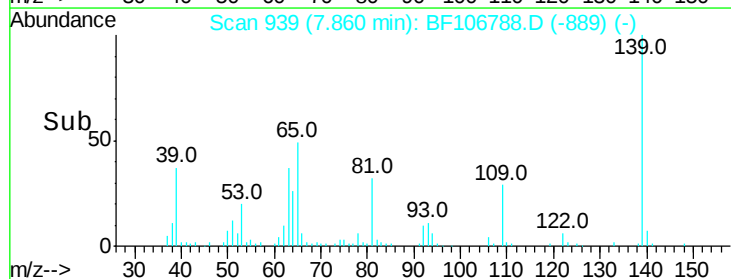
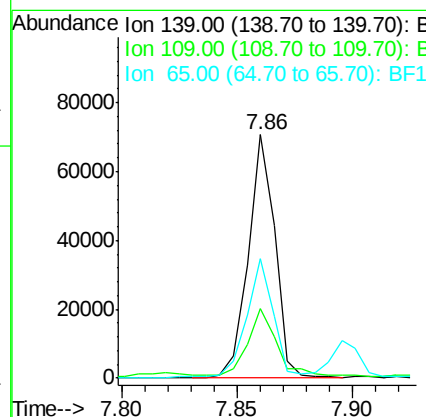
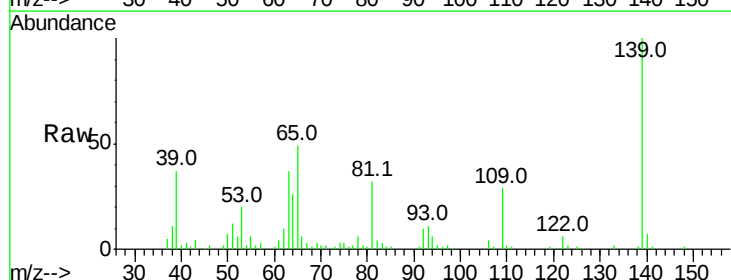
RT: 7.86 min Scan# 939

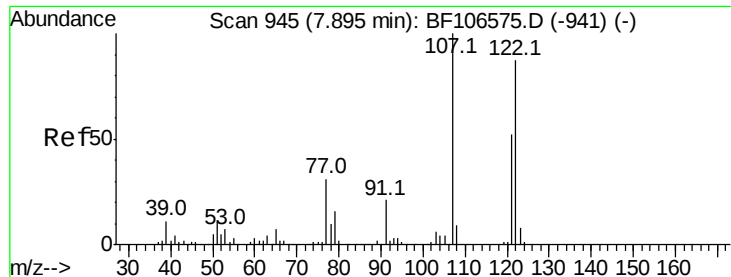
Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 57180 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 28.6  | 22.7  | 34.1  |
| 65        | 49.2  | 40.5  | 60.7  |





#27  
2,4-Dimethylphenol  
Concen: 39.638 ng  
RT: 7.90 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

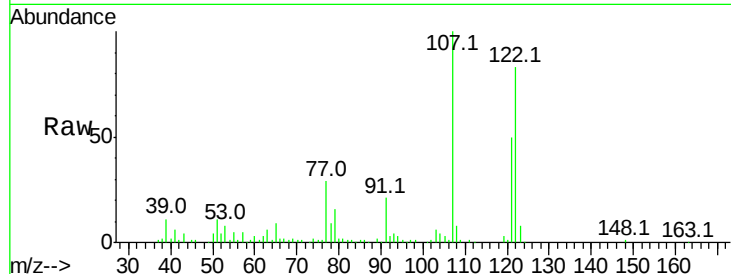
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 120.2 | 91.2  | 136.8 |
| 121     | 60.0  | 47.2  | 70.8  |

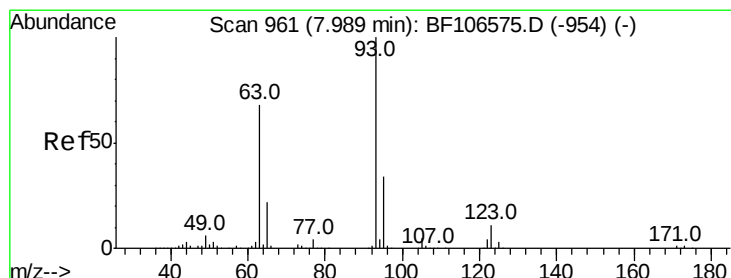
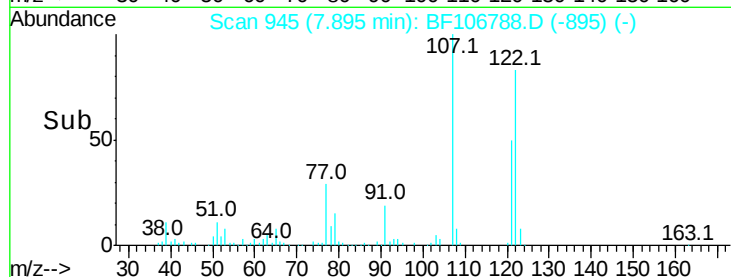
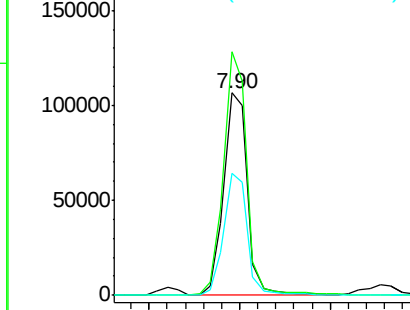
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

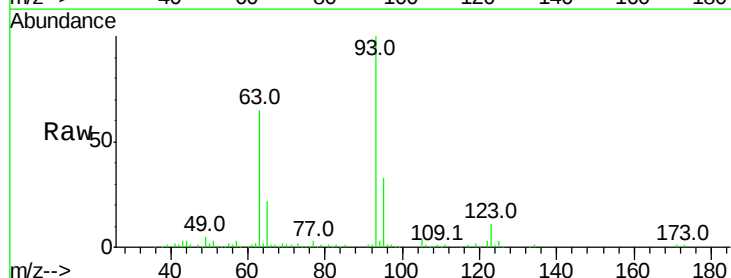


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

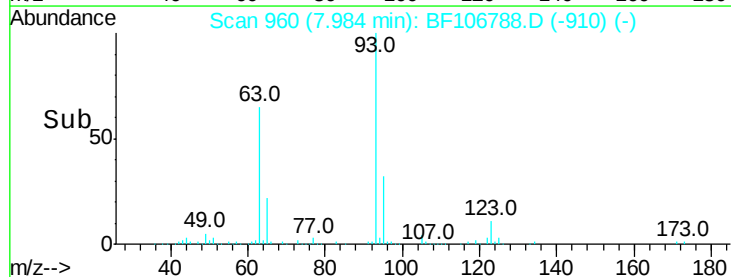
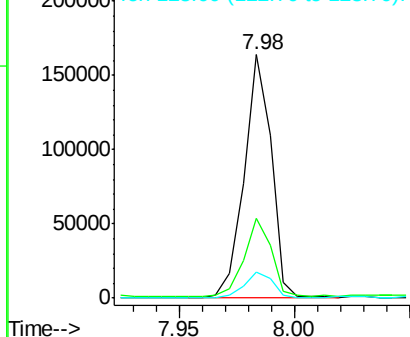


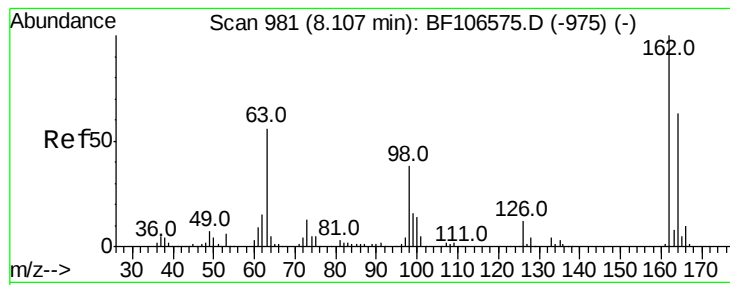
#28  
bis(2-Chloroethoxy)methane  
Concen: 35.061 ng  
RT: 7.98 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.6  | 26.3  | 39.5  |
| 123     | 10.8  | 9.8   | 14.6  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 123.00 (122.70 to 123.70): E





#29  
2,4-Dichlorophenol  
Concen: 36.971 ng  
RT: 8.11 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

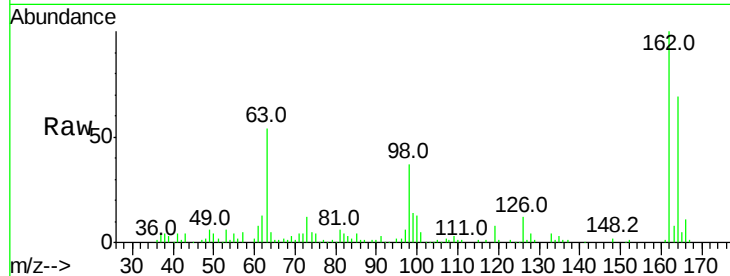
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 94310 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 69.2  | 42.7  | 82.7  |
| 98        | 37.1  | 18.1  | 58.1  |

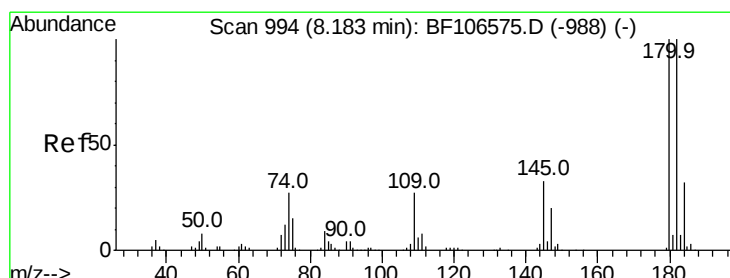
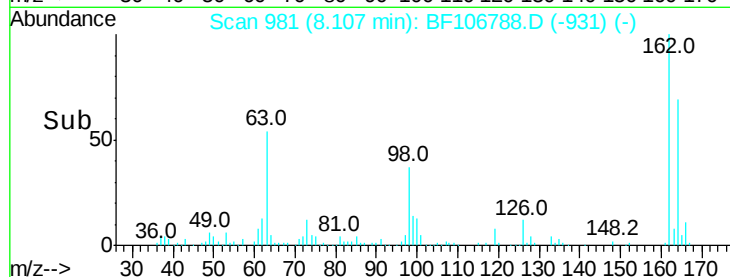
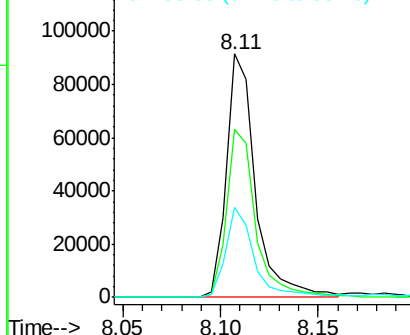
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



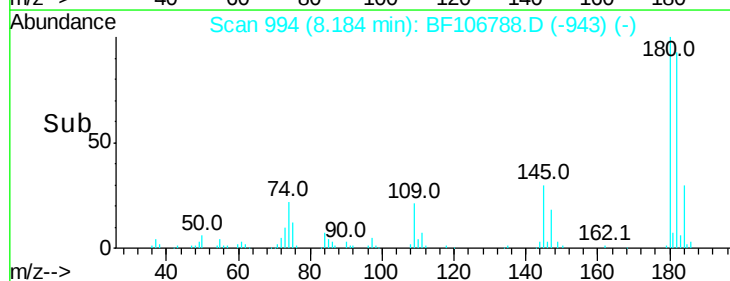
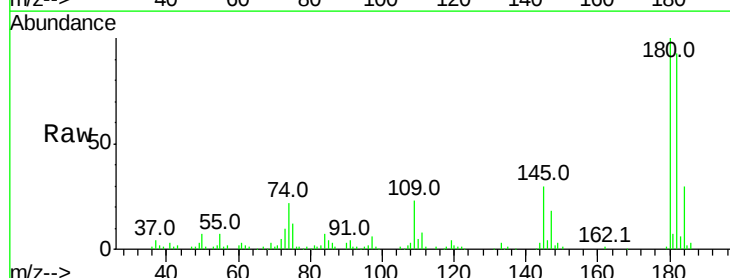
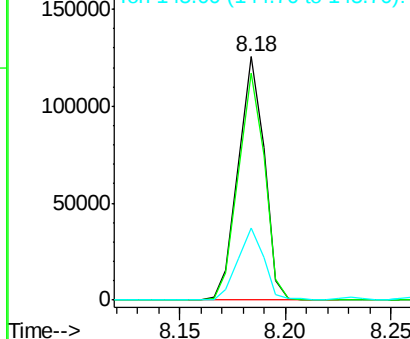
Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

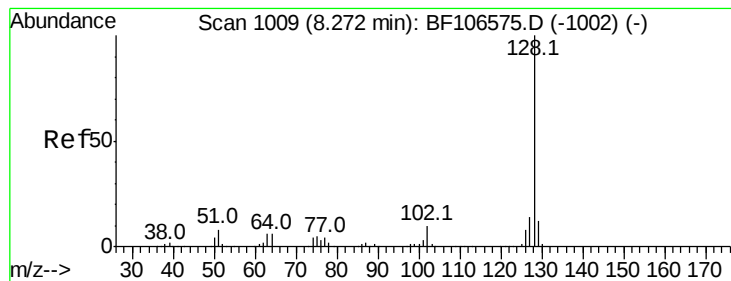


#30  
1,2,4-Trichlorobenzene  
Concen: 38.104 ng  
RT: 8.18 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 107077 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.3  | 76.8  | 115.2  |
| 145       | 29.6  | 26.5  | 39.7   |

Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 36.115 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

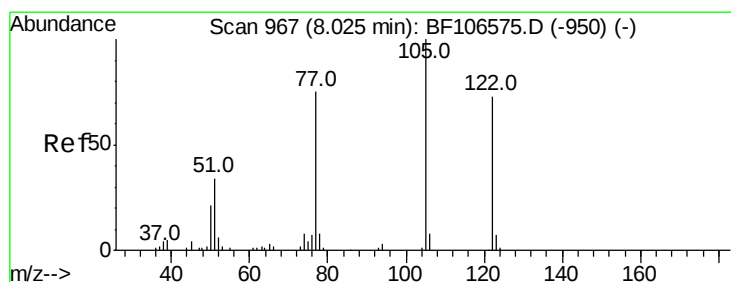
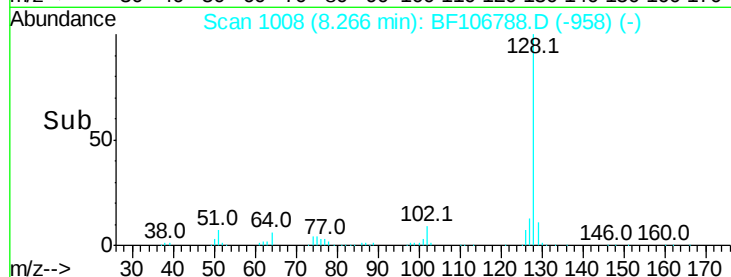
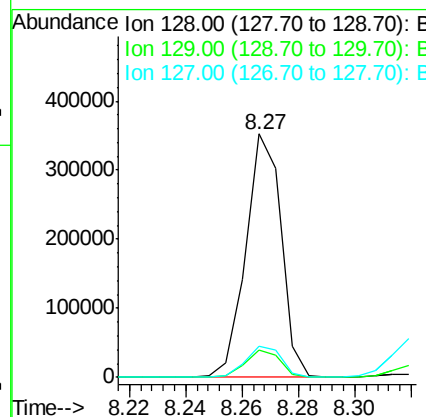
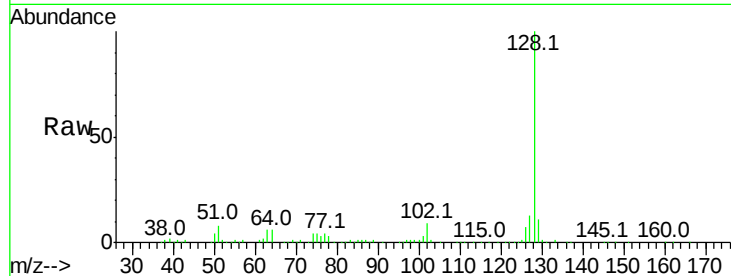
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 306908 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.3  | 8.8   | 13.2   |
| 127       | 12.8  | 10.9  | 16.3   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#32

Benzoic acid

Concen: 10.076 ng m

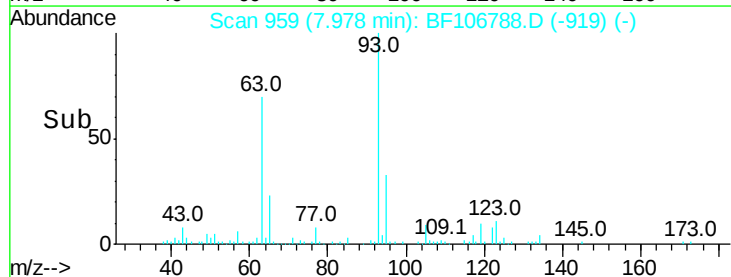
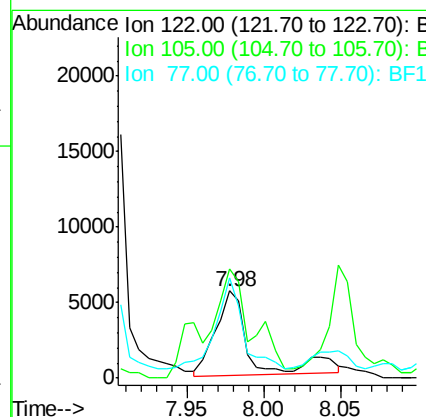
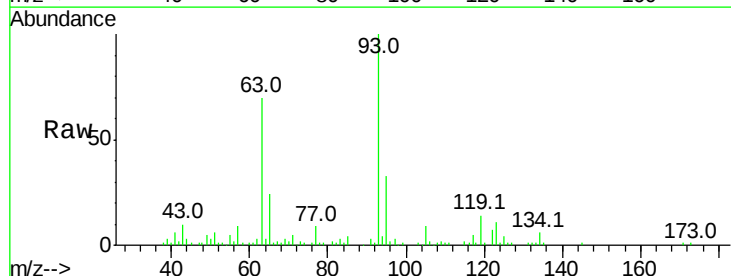
RT: 7.98 min Scan# 959

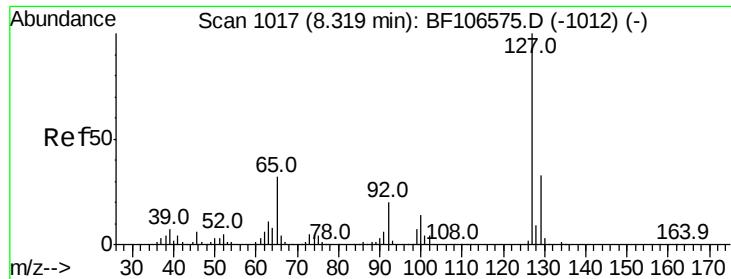
Delta R.T. -0.06 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 8744   |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 125.3 | 101.1 | 141.1  |
| 77        | 115.3 | 70.7  | 110.7# |





#33  
4-Chloroaniline  
Concen: 19.057 ng  
RT: 8.32 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

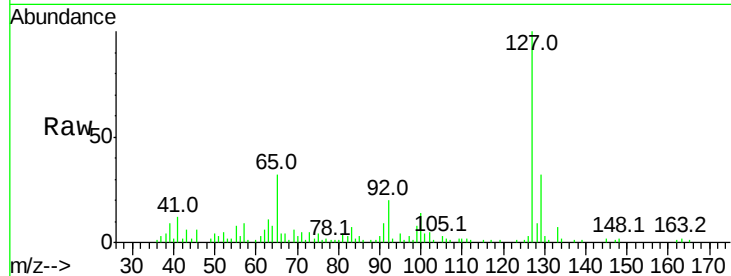
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 67954 |       |       |
| 129     | 32.4 | 25.9  | 38.9  |       |       |
| 65      | 32.3 | 25.0  | 37.4  |       |       |
| 92      | 19.6 | 15.2  | 22.8  |       |       |

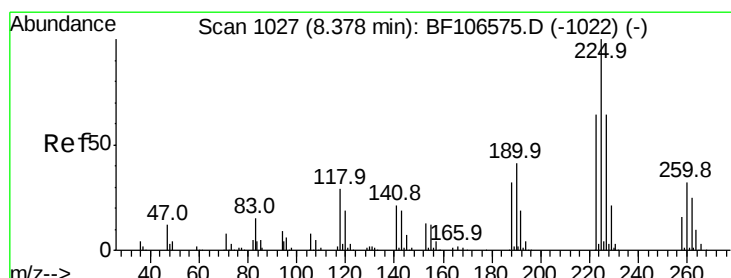
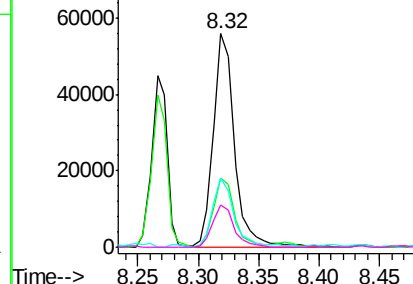
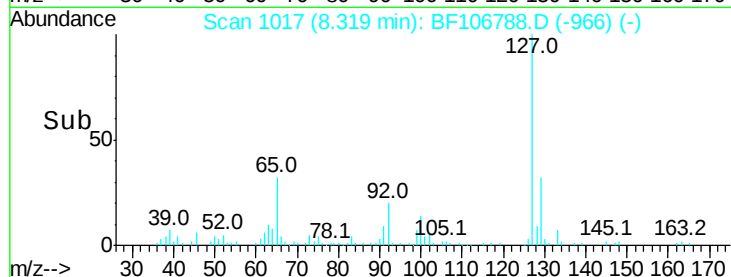
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

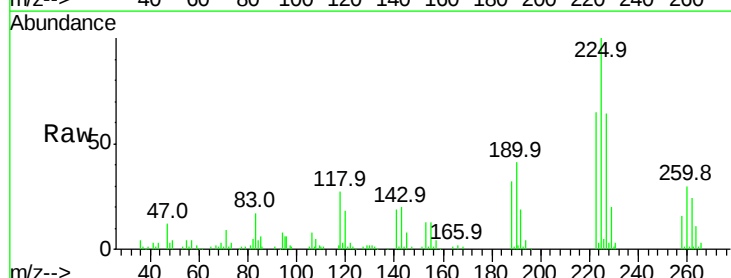


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

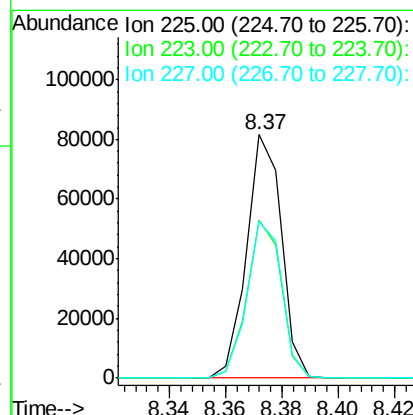
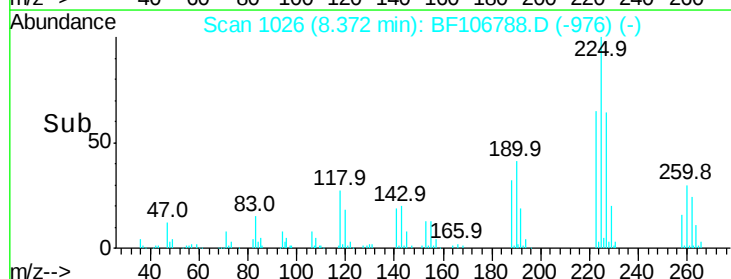


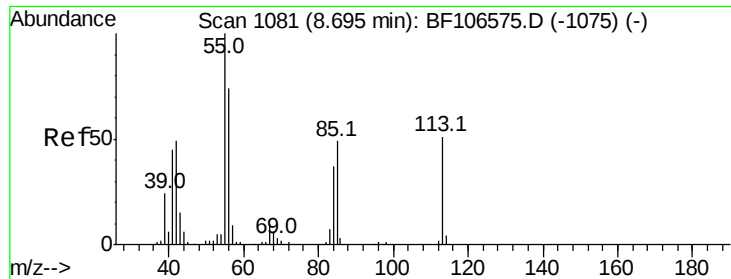
#34  
Hexachlorobutadiene  
Concen: 38.071 ng  
RT: 8.37 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 225     | 100  |       | 69711 |       |       |
| 223     | 64.7 | 50.6  | 76.0  |       |       |
| 227     | 64.5 | 51.9  | 77.9  |       |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 37.268 ng

RT: 8.68 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion:113 Resp: 30989

Ion Ratio Lower Upper

113 100

55 178.7 163.3 203.3

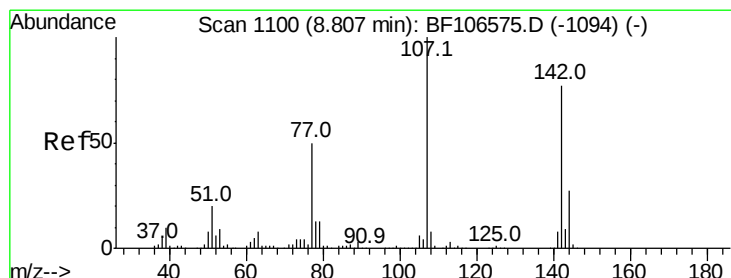
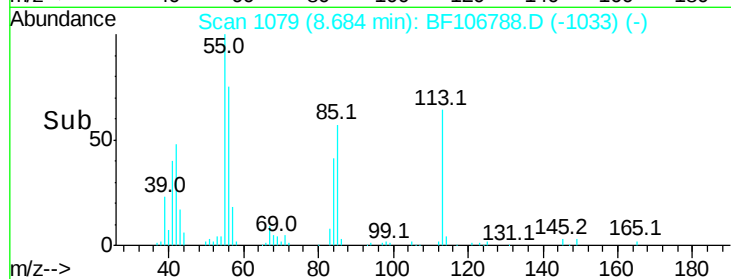
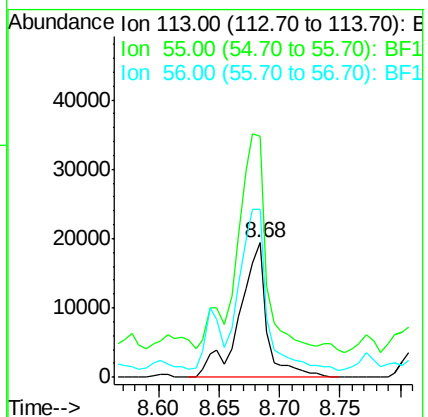
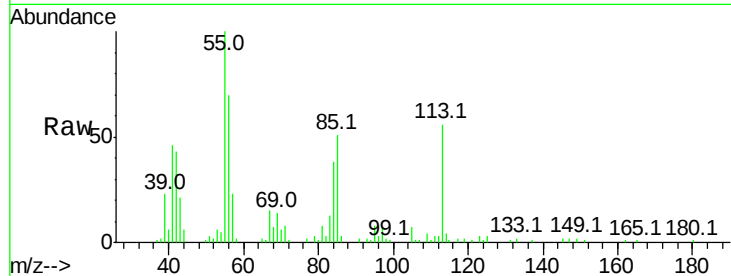
56 124.3 115.7 155.7

Manual Integrations

APPROVED

Sohil

6/27/2018 10:55:46 AM



#36

4-Chloro-3-methylphenol

Concen: 33.256 ng

RT: 8.81 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

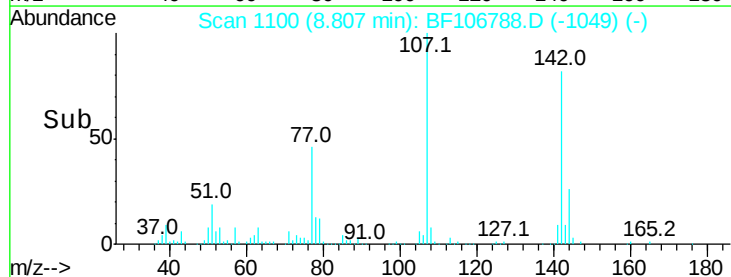
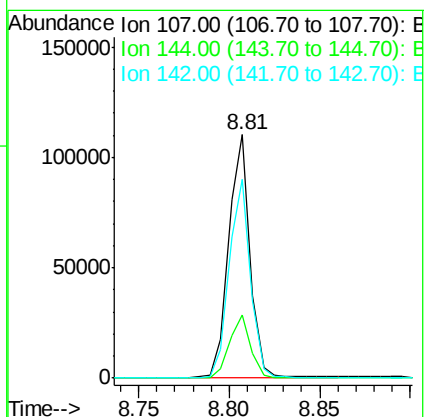
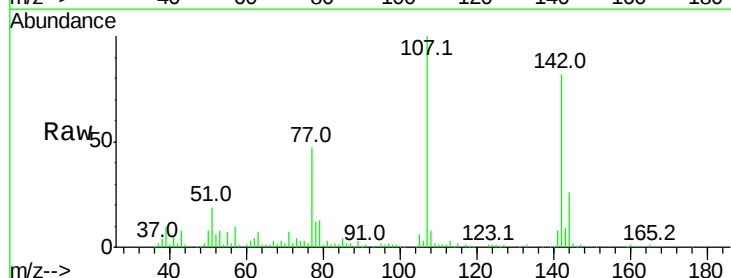
Tgt Ion:107 Resp: 89292

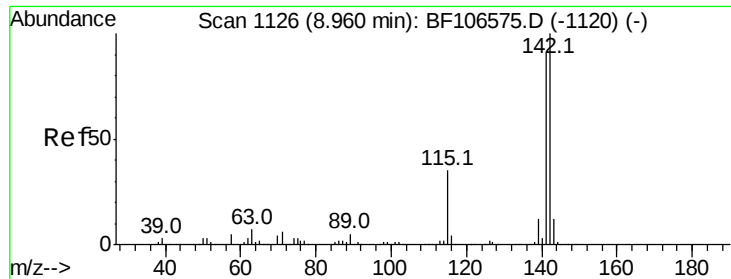
Ion Ratio Lower Upper

107 100

144 25.9 20.5 30.7

142 81.9 62.0 93.0





#37  
2-Methylnaphthalene  
Concen: 39.116 ng  
RT: 8.96 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

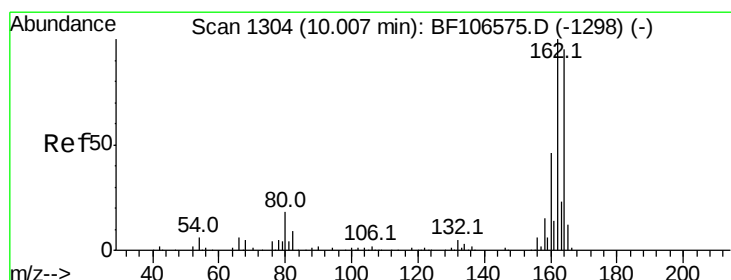
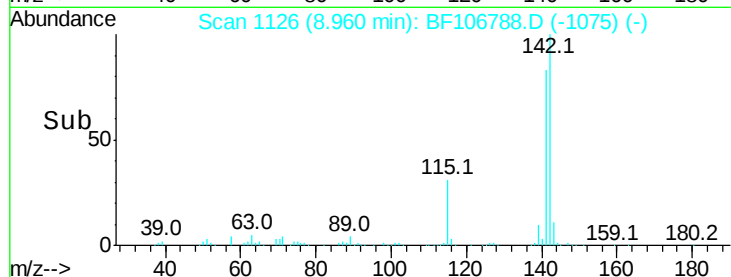
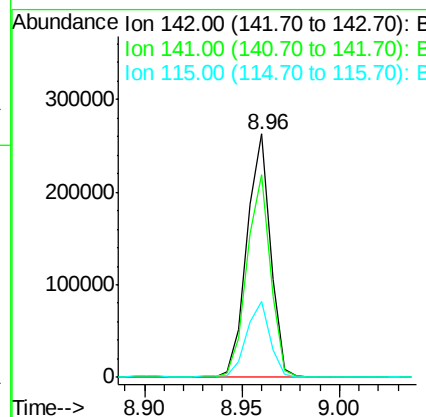
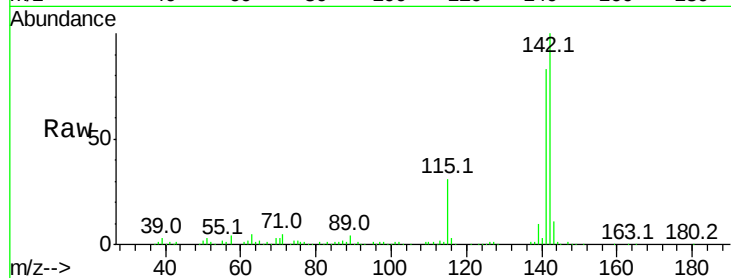
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 83.5  | 70.8  | 106.2 |
| 115     | 31.2  | 26.1  | 39.1  |

Manual Integrations  
APPROVED

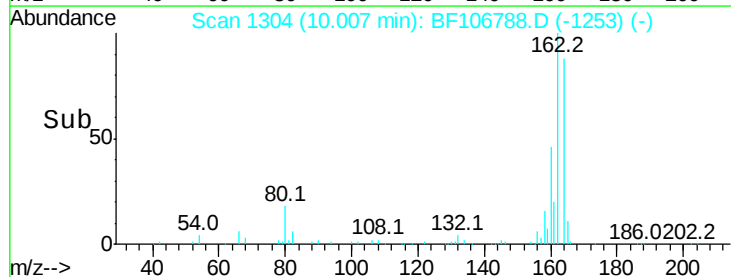
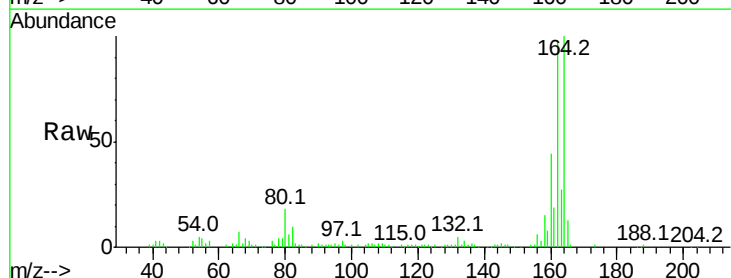
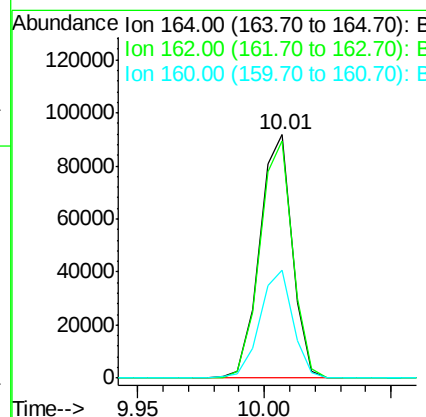
Sohil

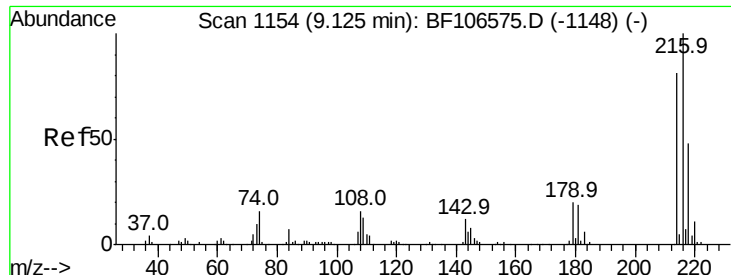
6/27/2018 10:55:46 AM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.2  | 86.1  | 129.1 |
| 160     | 44.4  | 38.3  | 57.5  |





#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.960 ng  
 RT: 9.12 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

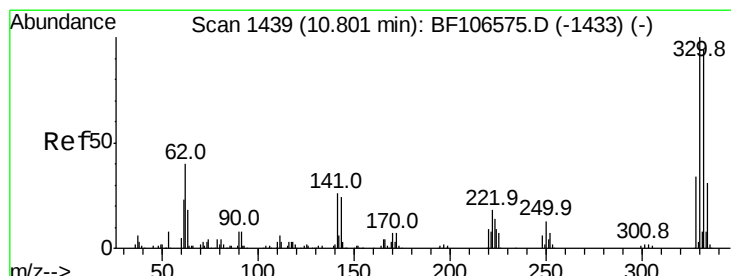
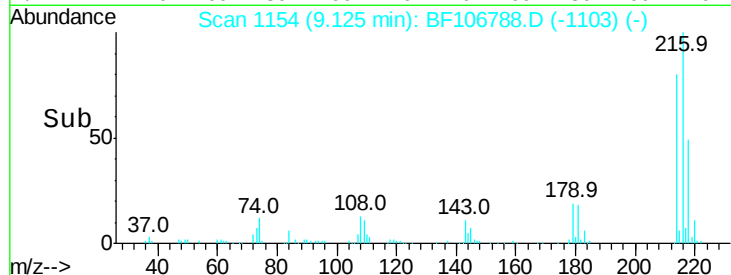
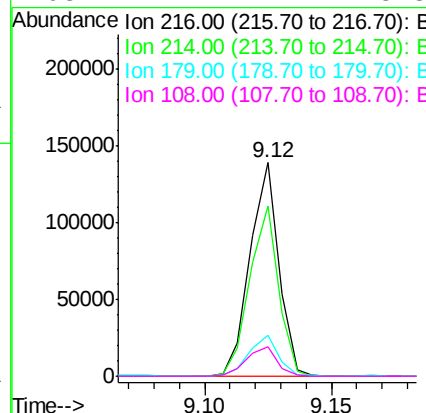
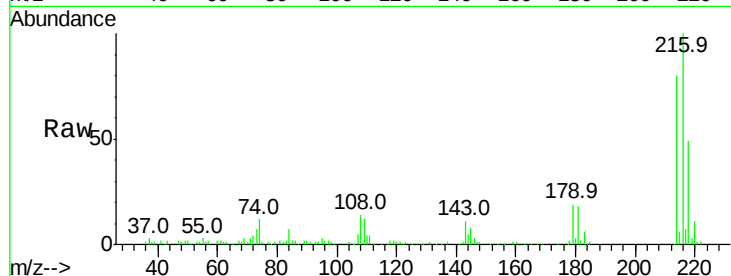
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062218-CMSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 79.8  | 63.0       | 94.4  |
| 179     | 19.7  | 18.1       | 27.1  |
| 108     | 14.7  | 17.2       | 25.8  |

Manual Integrations  
 APPROVED

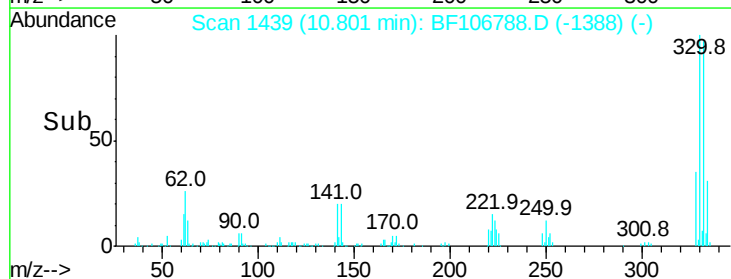
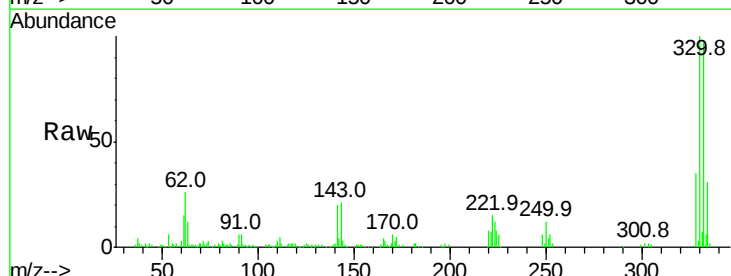
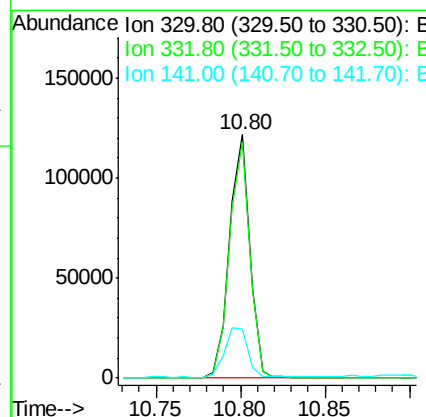
Sohil

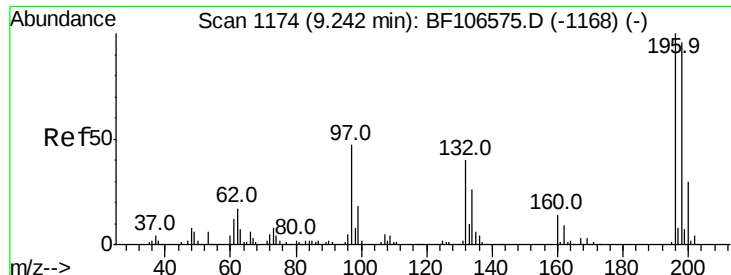
6/27/2018 10:55:46 AM



#41  
 2,4,6-Tribromophenol  
 Concen: 107.698 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 97.0  | 77.0       | 115.6 |
| 141     | 22.9  | 29.9       | 44.9  |





#42

2,4,6-Trichlorophenol

Concen: 35.261 ng

RT: 9.24 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

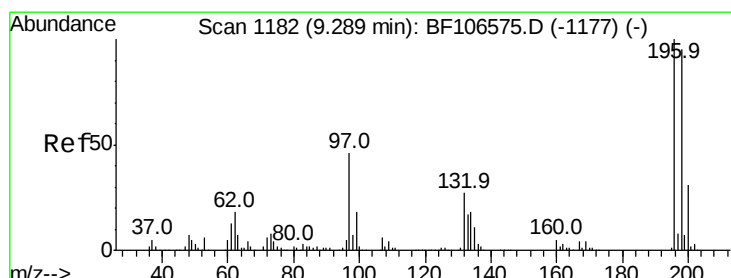
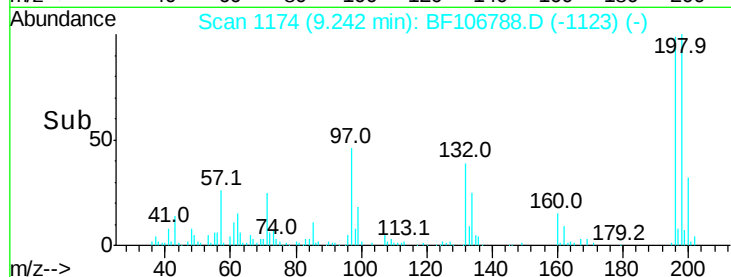
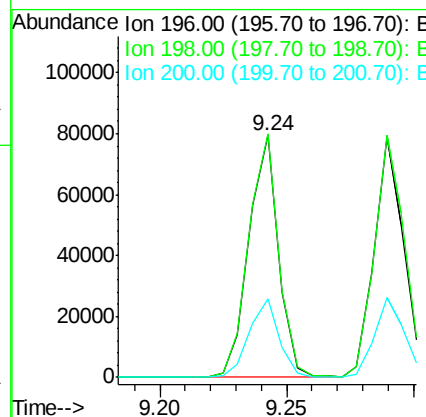
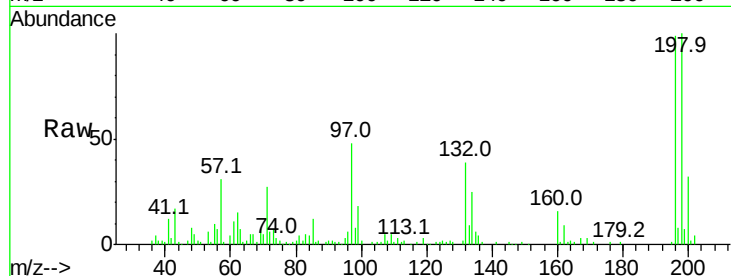
HR-06-062218-CMSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 196   | Resp: | 64755 |
| Ion      | Ratio | Lower | Upper |
| 196      | 100   |       |       |
| 198      | 100.7 | 75.7  | 113.5 |
| 200      | 32.5  | 24.5  | 36.7  |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#43

2,4,5-Trichlorophenol

Concen: 33.862 ng m

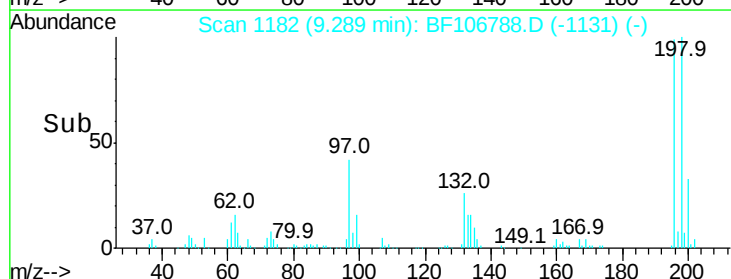
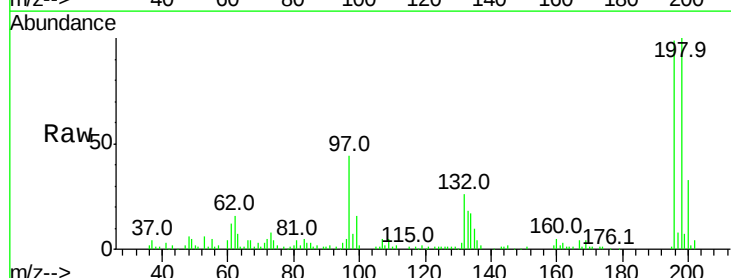
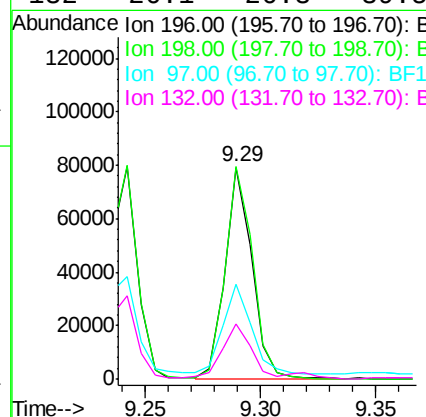
RT: 9.29 min Scan# 1182

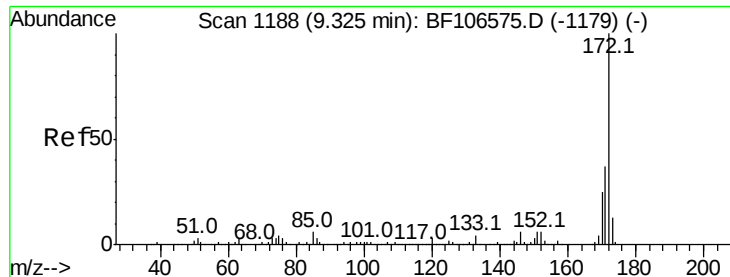
Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 196   | Resp: | 64889 |
| Ion      | Ratio | Lower | Upper |
| 196      | 100   |       |       |
| 198      | 100.7 | 74.6  | 112.0 |
| 97       | 44.7  | 42.9  | 64.3  |
| 132      | 26.1  | 26.3  | 39.5# |





#44

2-Fluorobiphenyl

Concen: 86.482 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion:172 Resp: 417905

Ion Ratio Lower Upper

172 100

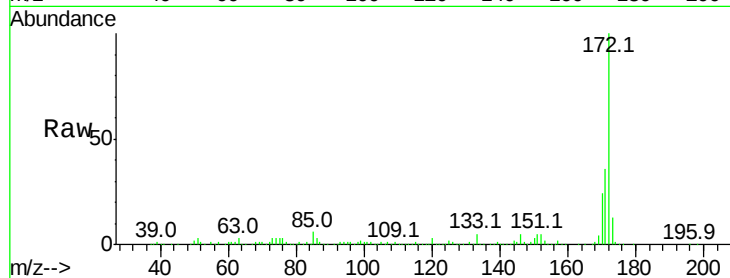
171 36.3 29.7 44.5

170 24.2 19.6 29.4

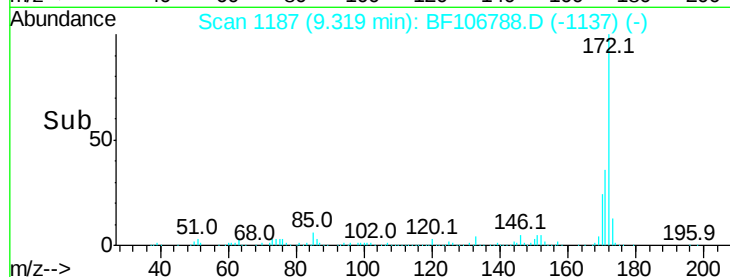
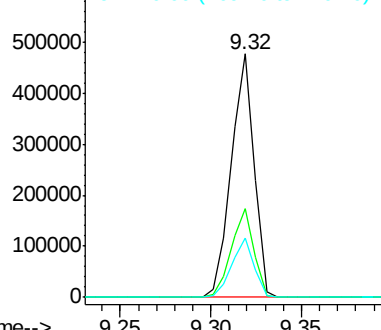
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 38.662 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

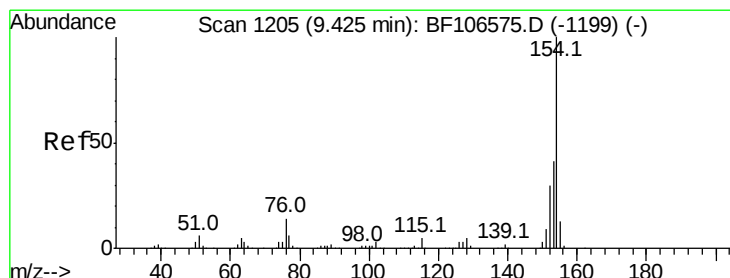
Tgt Ion:154 Resp: 252769

Ion Ratio Lower Upper

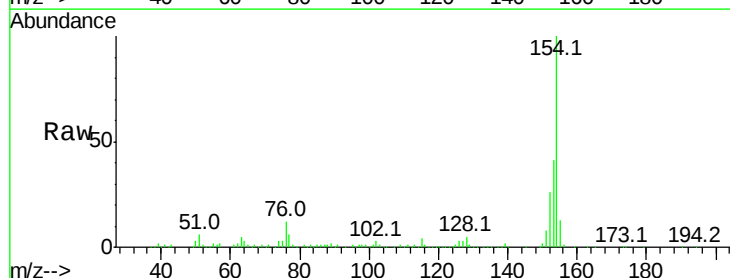
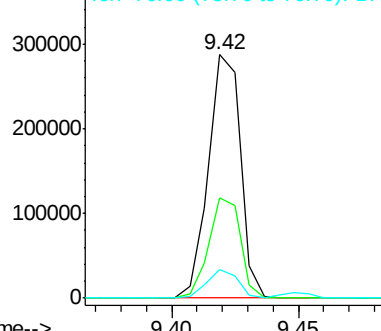
154 100

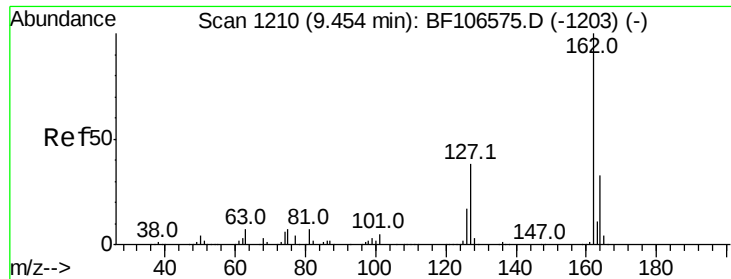
153 41.0 21.3 61.3

76 11.9 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#46  
2-Chloronaphthalene  
Concen: 34.994 ng  
RT: 9.45 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

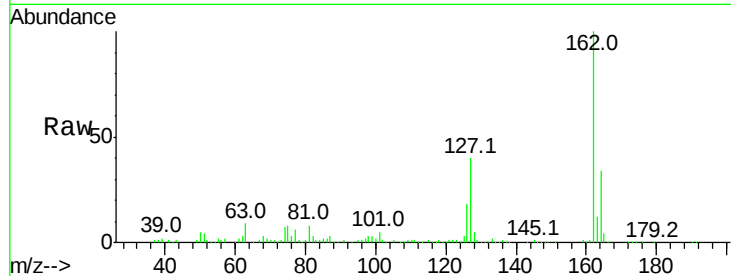
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 180089 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.9  | 33.9  | 50.9   |
| 164       | 34.0  | 26.5  | 39.7   |

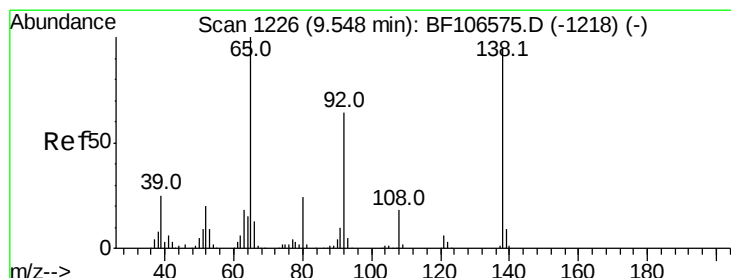
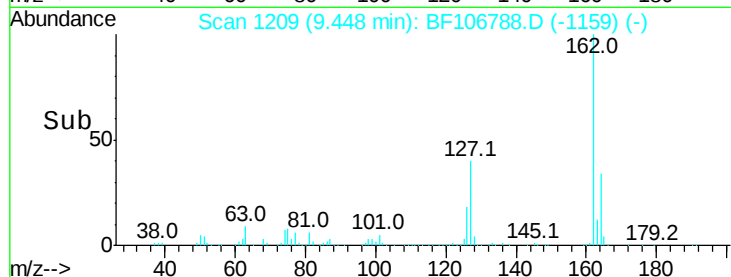
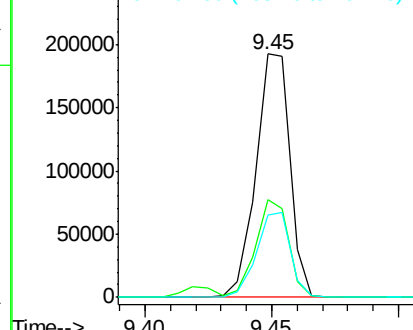
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

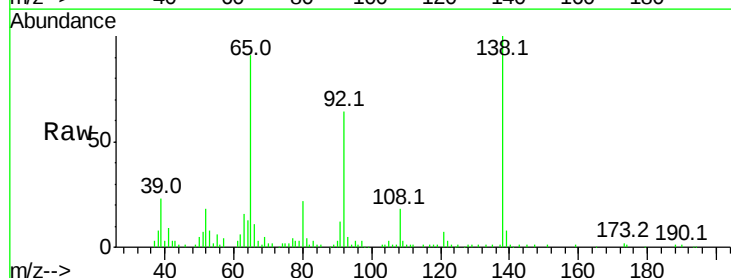


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

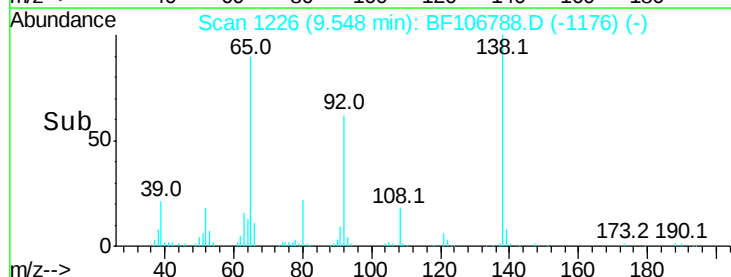
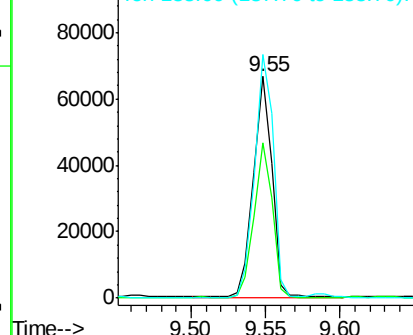


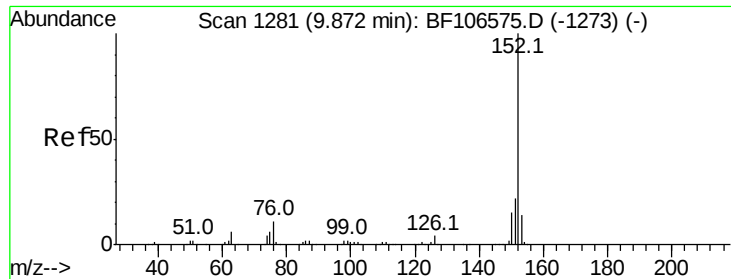
#47  
2-Nitroaniline  
Concen: 33.222 ng  
RT: 9.55 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 57491 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 69.9  | 55.8  | 83.6  |
| 138       | 109.8 | 91.2  | 136.8 |



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E





#48  
Acenaphthylene  
Concen: 34.952 ng  
RT: 9.87 min Scan# 1280  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

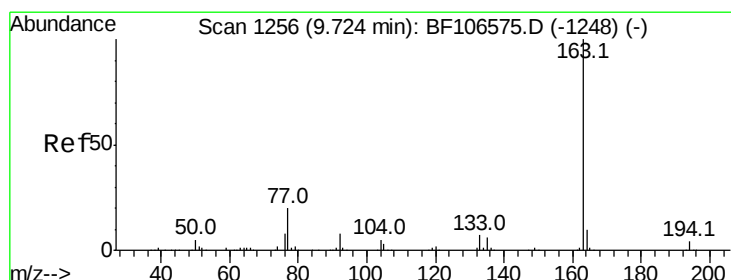
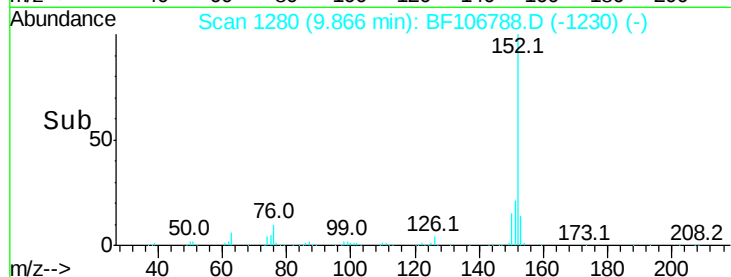
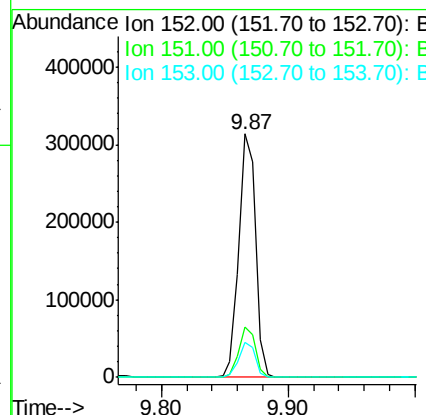
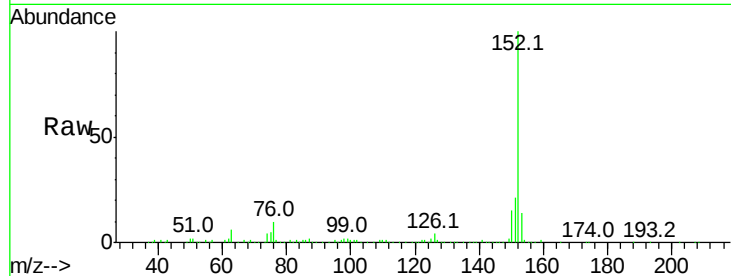
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 16.3  | 24.5  |
| 153     | 14.2  | 10.7  | 16.1  |

Manual Integrations  
APPROVED

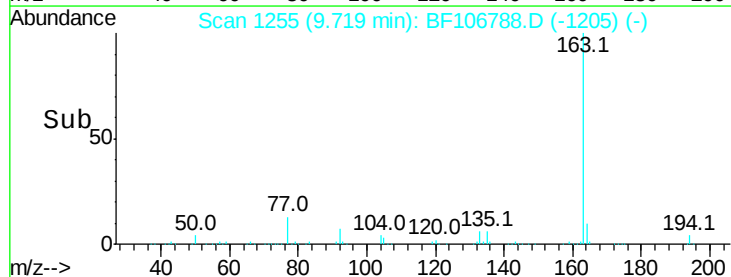
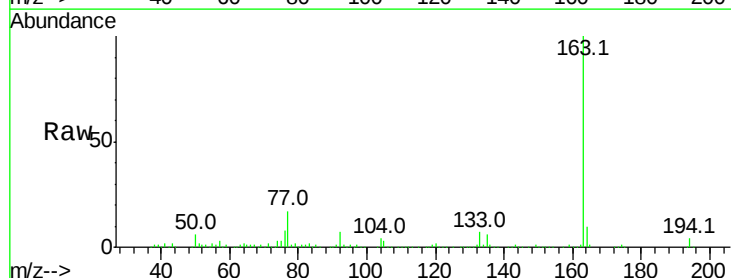
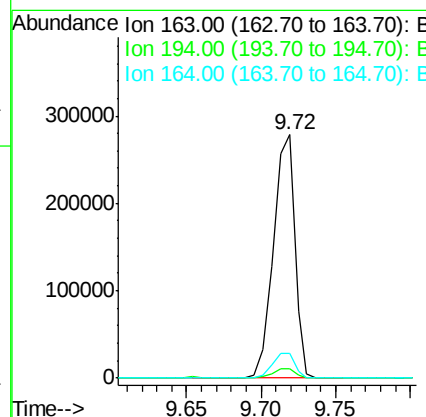
Sohil

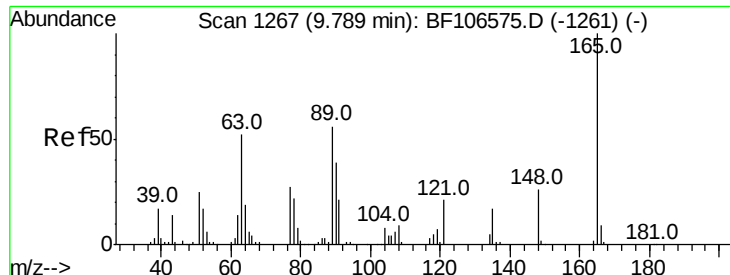
6/27/2018 10:55:46 AM



#49  
Dimethylphthalate  
Concen: 45.059 ng  
RT: 9.72 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 2.7   | 4.1   |
| 164     | 10.3  | 8.2   | 12.2  |





#50  
 2,6-Dinitrotoluene  
 Concen: 34.961 ng  
 RT: 9.79 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

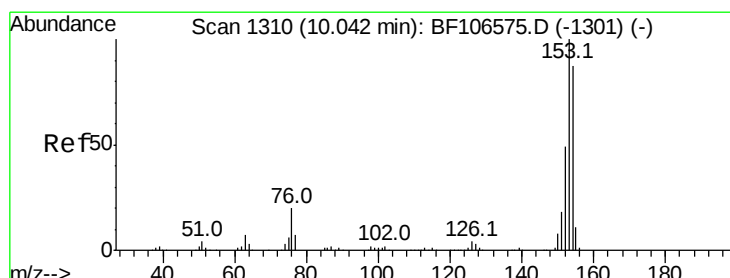
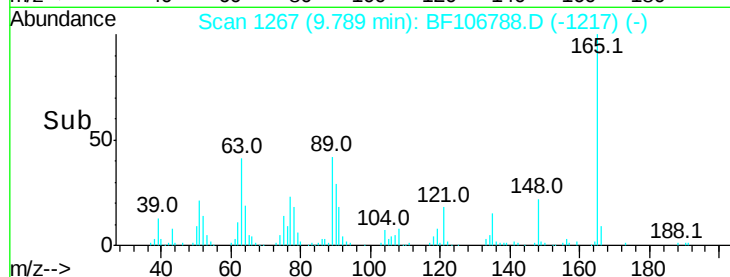
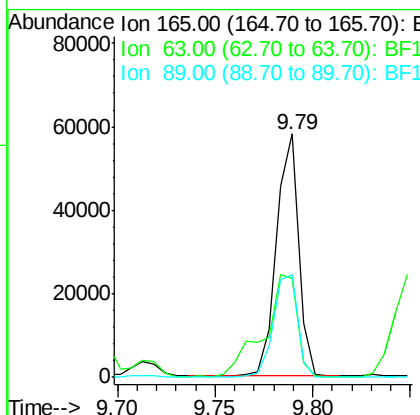
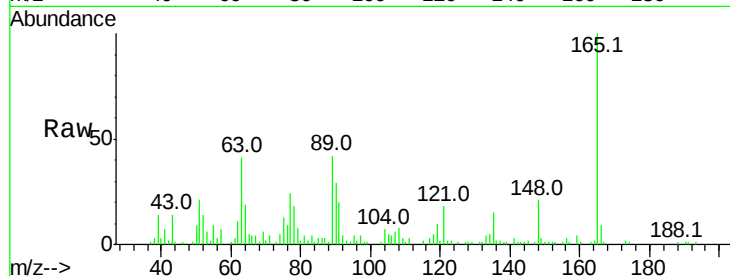
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062218-CMSD

| Tot Ion   | 165   | Resp  | 45550 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 40.6  | 44.7  | 67.1# |
| 89        | 42.0  | 44.0  | 66.0# |

Manual Integrations  
 APPROVED

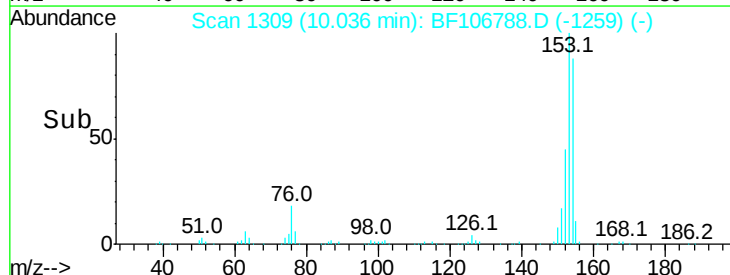
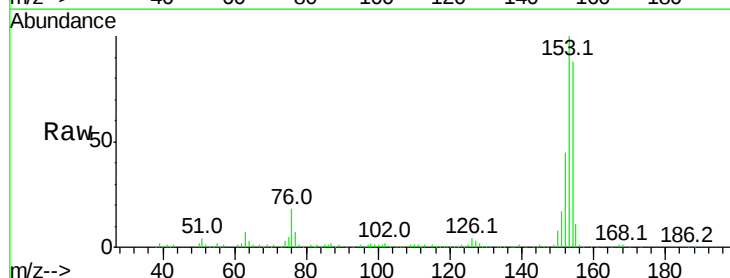
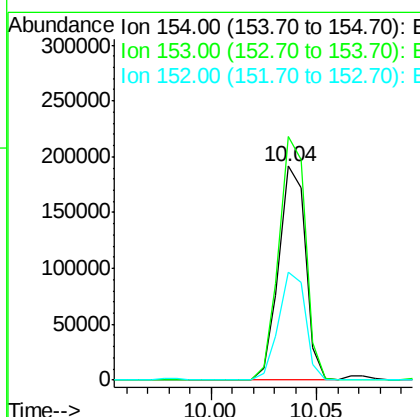
Sohil

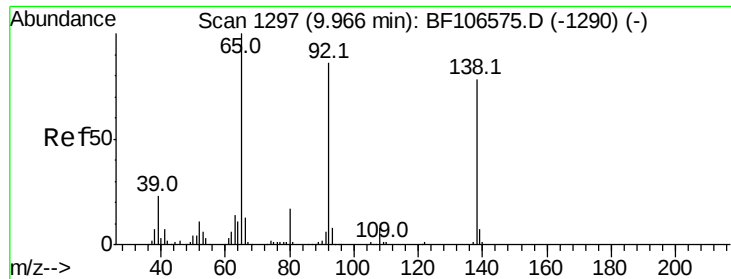
6/27/2018 10:55:46 AM



#51  
 Acenaphthene  
 Concen: 33.353 ng  
 RT: 10.04 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

| Tgt Ion   | 154   | Resp  | 170647 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.0 | 91.2  | 136.8  |
| 152       | 50.7  | 43.8  | 65.8   |





#52  
3-Nitroaniline  
Concen: 29.247 ng  
RT: 9.96 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

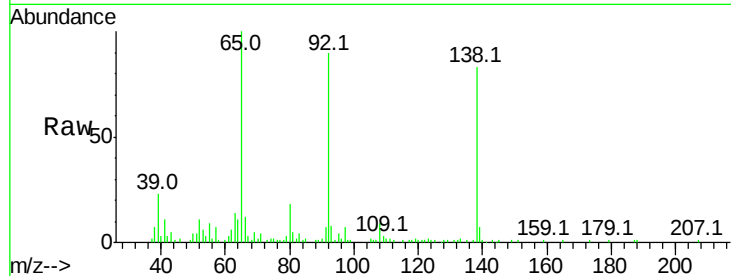
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

Tot Ion:138 Resp: 43849  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.4 14.0  
92 107.9 89.4 134.2

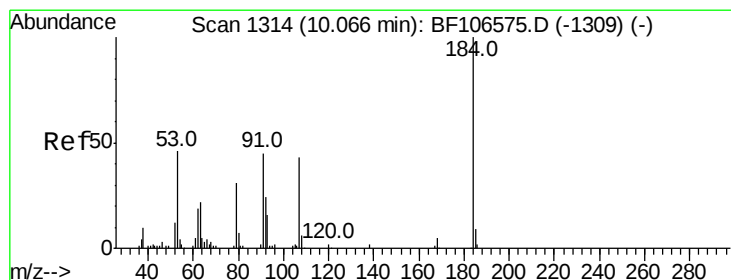
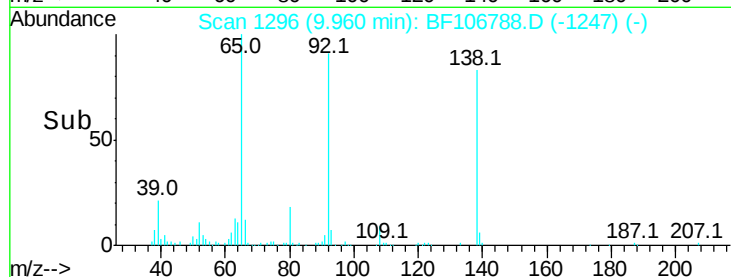
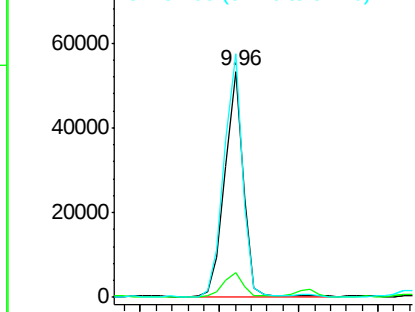
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

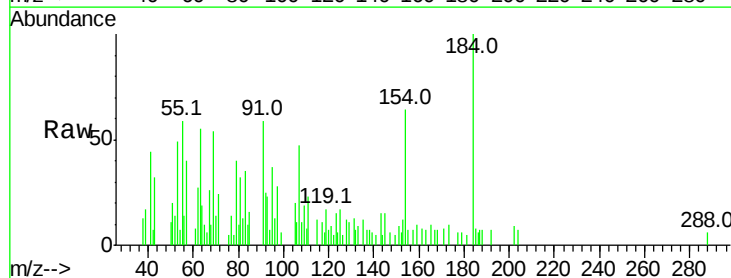


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

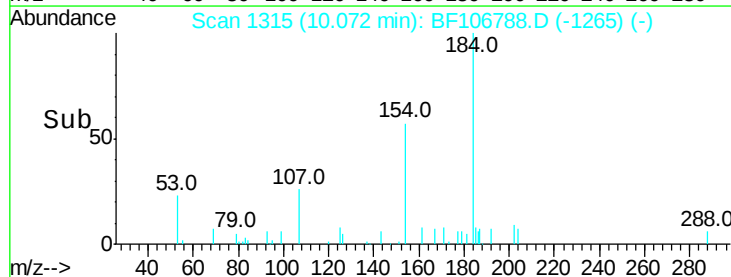
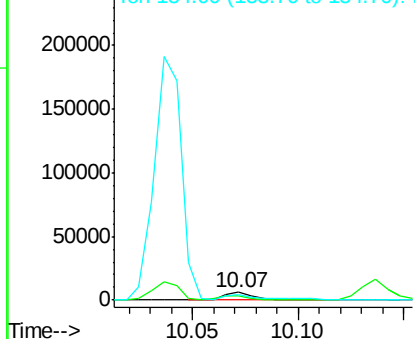


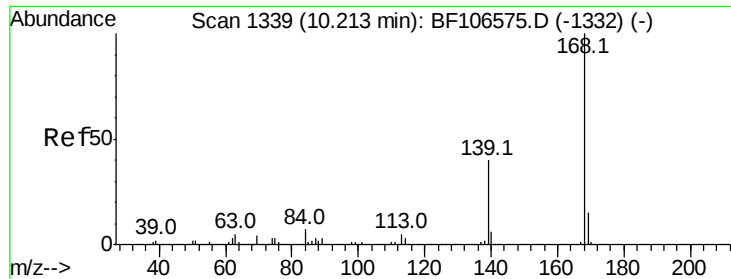
#53  
2,4-Dinitrophenol  
Concen: 13.954 ng  
RT: 10.07 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

Tgt Ion:184 Resp: 6244  
Ion Ratio Lower Upper  
184 100  
63 54.6 54.2 81.2  
154 63.7 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 36.682 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion:168 Resp: 256986

Ion Ratio Lower Upper

168 100

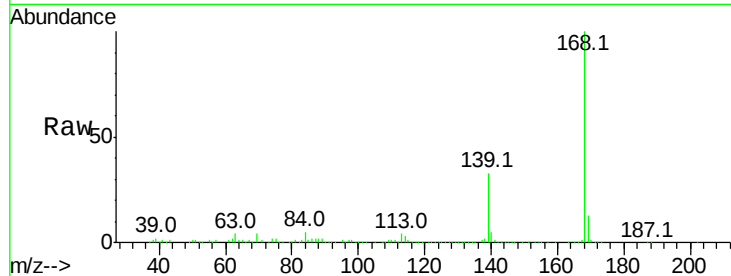
139 33.3 30.1 45.1

169 13.1 10.9 16.3

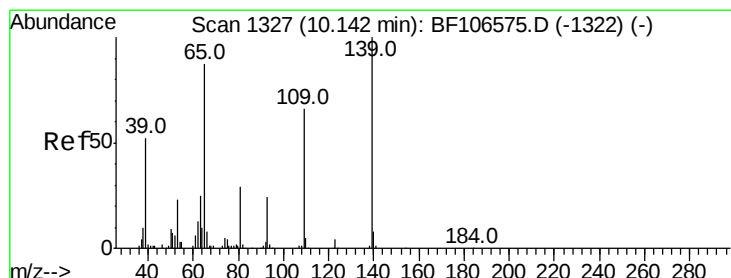
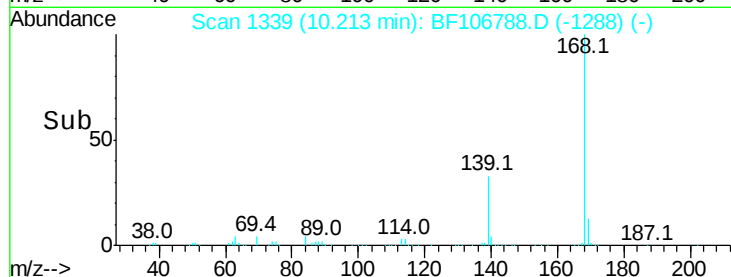
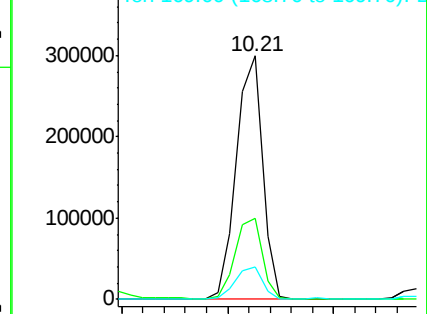
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 54.798 ng

RT: 10.14 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

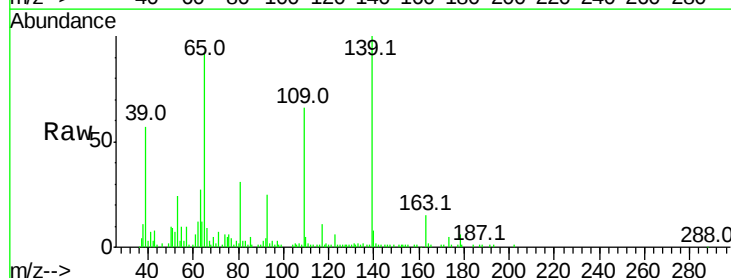
Tgt Ion:139 Resp: 57347

Ion Ratio Lower Upper

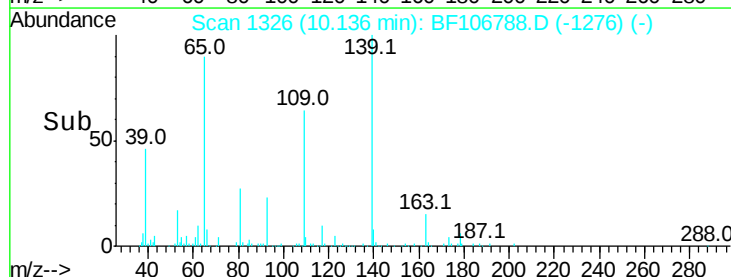
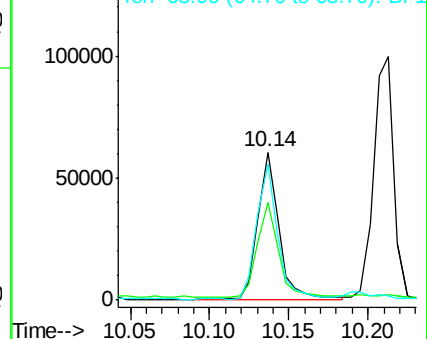
139 100

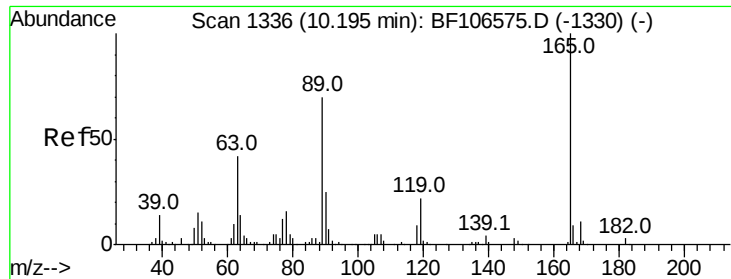
109 66.4 48.4 88.4

65 92.1 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1





#56  
2,4-Dinitrotoluene  
Concen: 33.200 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

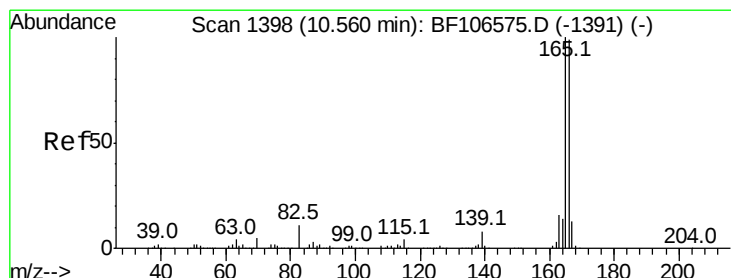
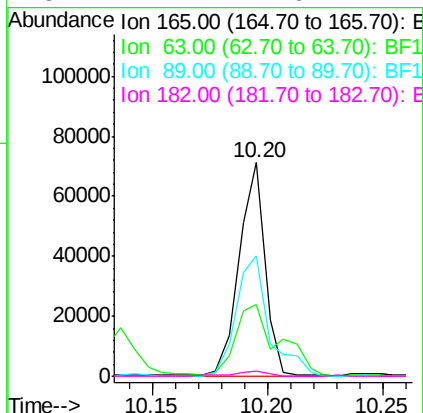
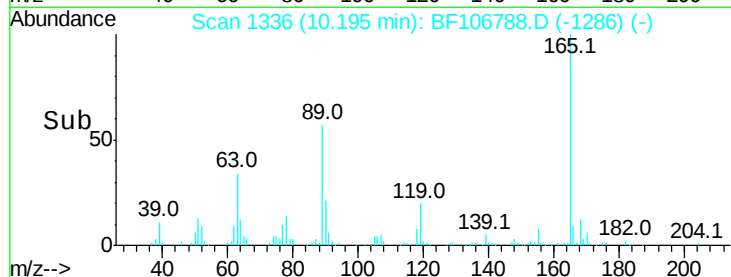
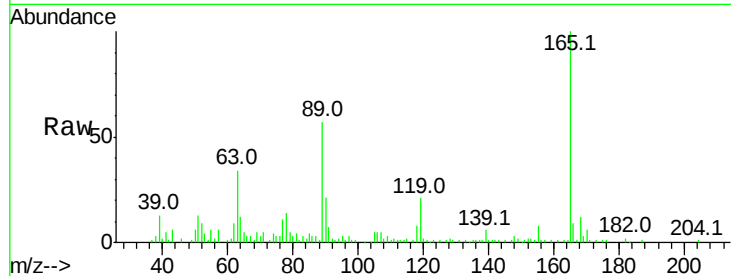
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 33.7  | 36.4 | 54.6# |       |
| 89      | 56.6  | 57.8 | 86.6# |       |
| 182     | 2.2   | 1.6  | 2.4   |       |

Manual Integrations  
APPROVED

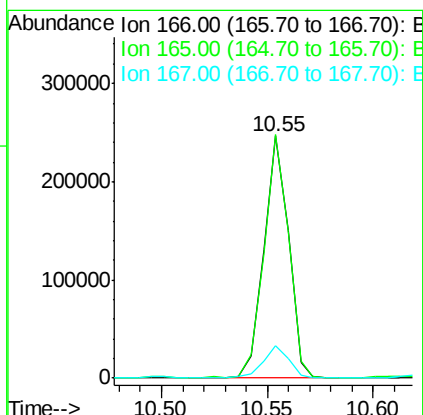
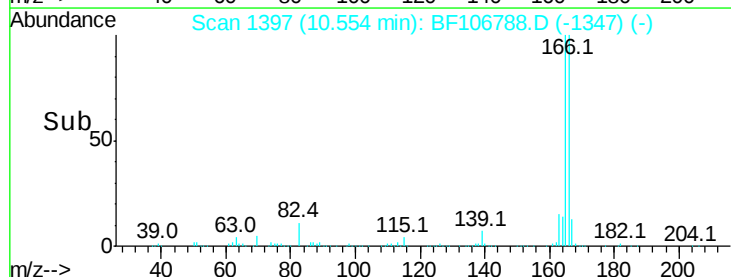
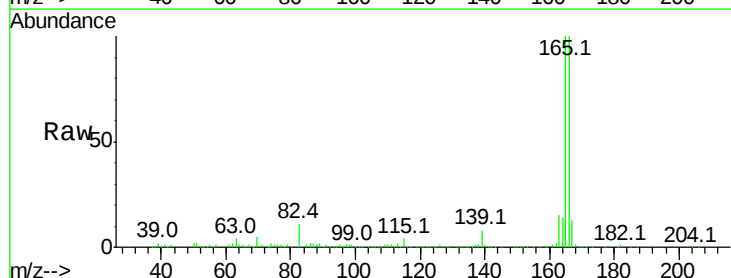
Sohil

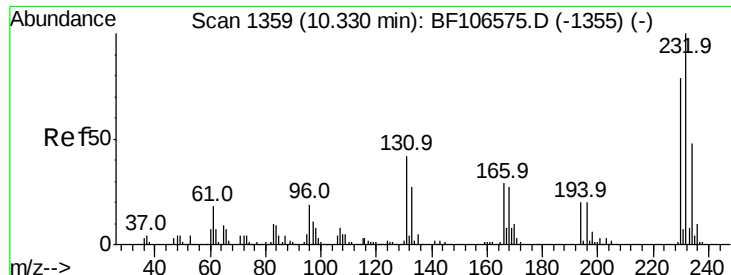
6/27/2018 10:55:46 AM



#57  
Fluorene  
Concen: 36.037 ng  
RT: 10.55 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 100.5 | 79.8 | 119.8 |       |
| 167     | 13.2  | 10.6 | 16.0  |       |





#58

2,3,4,6-Tetrachlorophenol

Concen: 36.417 ng

RT: 10.33 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion:232 Resp: 55472

Ion Ratio Lower Upper

232 100

131 34.5 43.8 65.8#

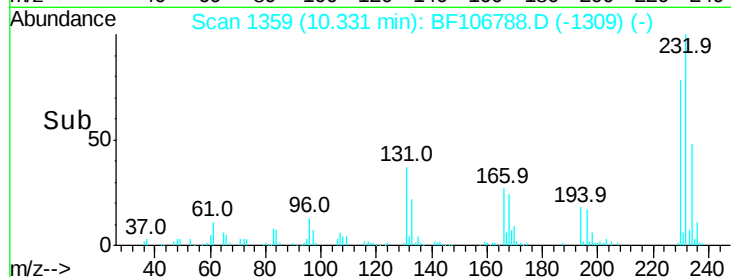
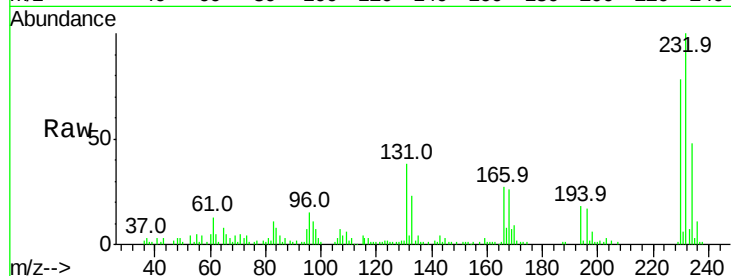
130 3.6 2.1 3.1#

166 26.6 27.8 41.6#

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

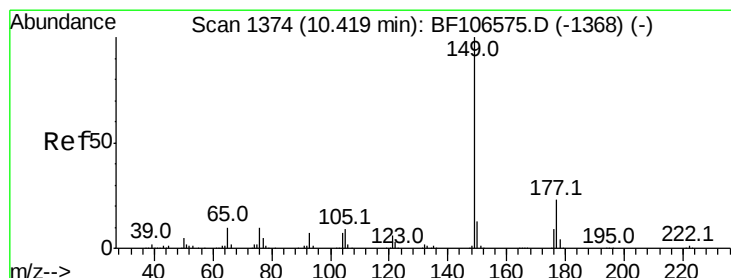
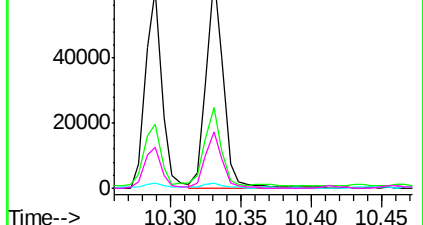


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 32.617 ng

RT: 10.41 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

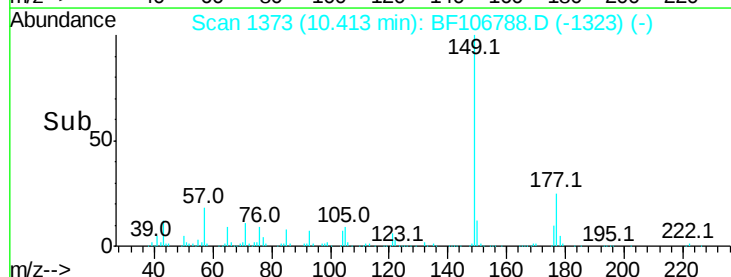
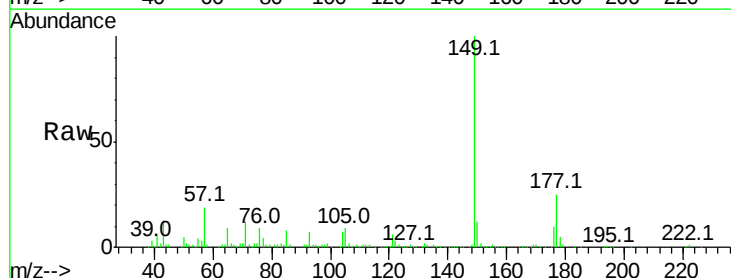
Tgt Ion:149 Resp: 193696

Ion Ratio Lower Upper

149 100

177 25.0 16.1 24.1#

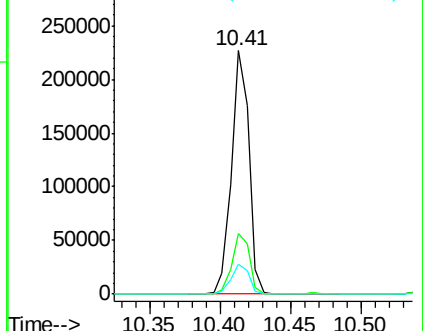
150 12.3 10.1 15.1

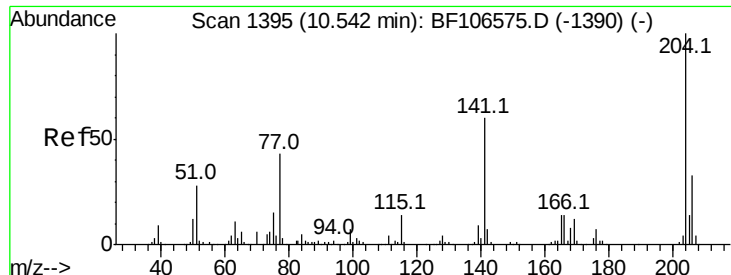


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60  
4-Chlorophenyl-phenylether  
Concen: 35.559 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

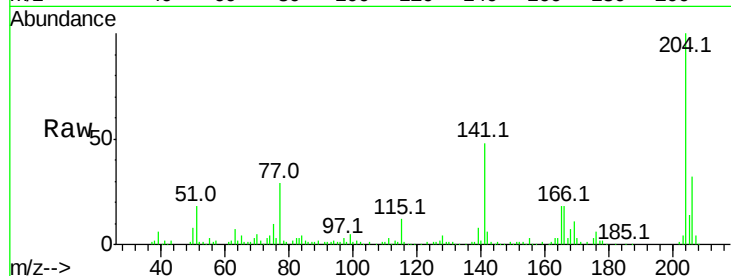
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.4  | 26.5  | 39.7  |
| 141     | 48.3  | 54.6  | 81.8# |

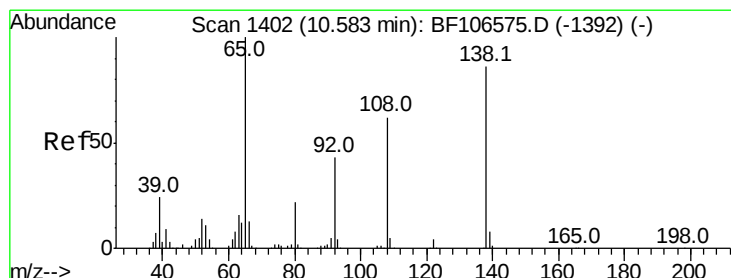
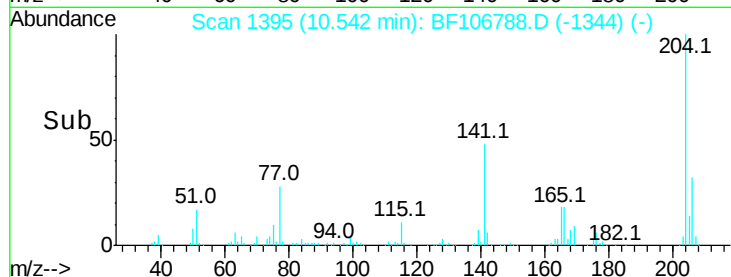
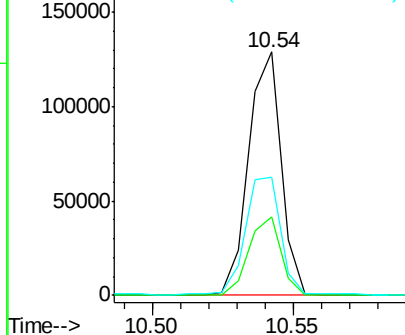
Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM

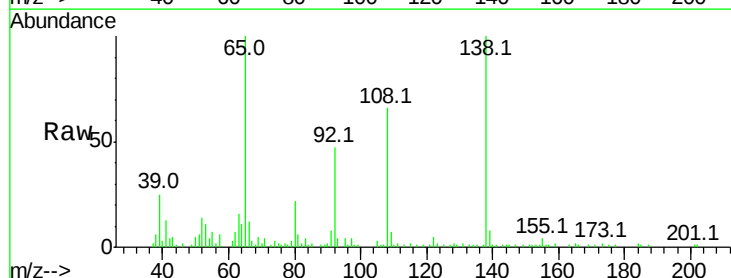


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

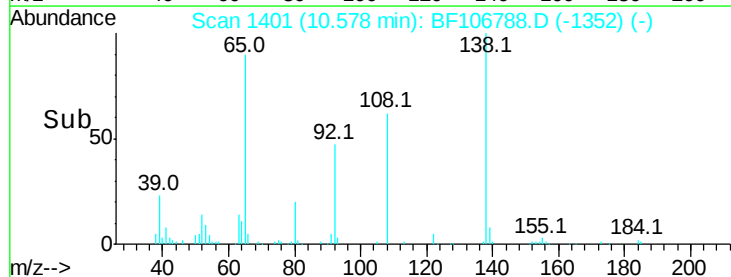
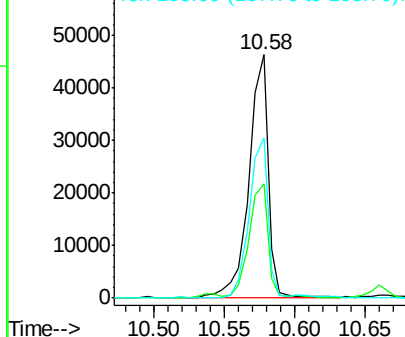


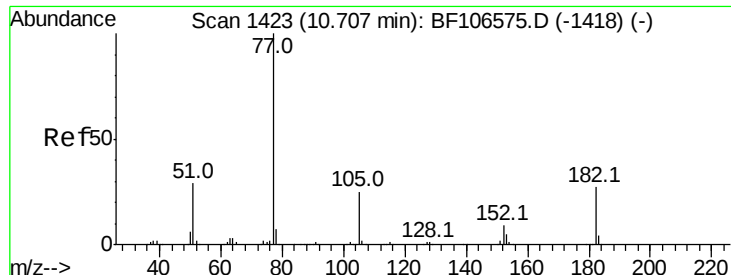
#61  
4-Nitroaniline  
Concen: 30.261 ng  
RT: 10.58 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.0  | 30.2  | 70.2  |
| 108     | 65.8  | 52.5  | 92.5  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E





#62  
Azobenzene  
Concen: 29.836 ng  
RT: 10.70 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

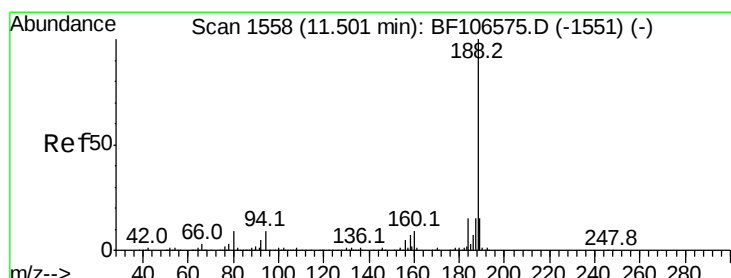
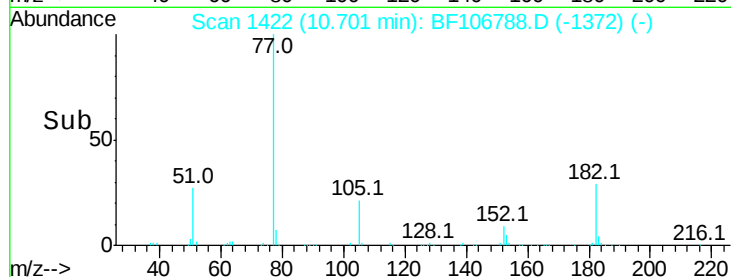
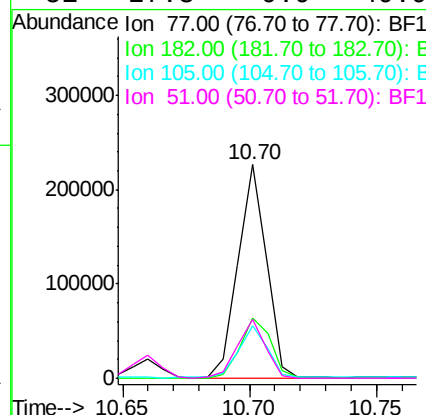
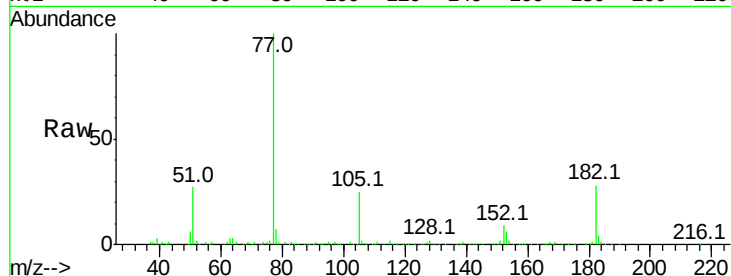
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.1  | 1.7   | 41.7  |
| 105     | 24.6  | 3.0   | 43.0  |
| 51      | 27.3  | 9.9   | 49.9  |

Manual Integrations  
APPROVED

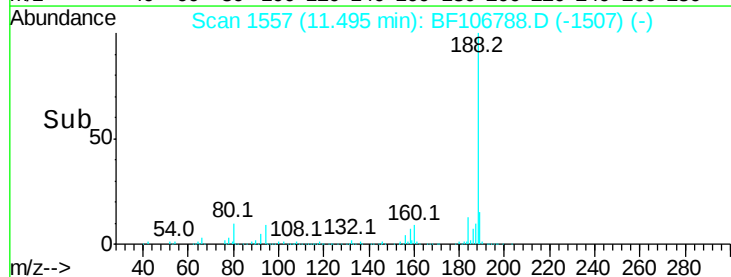
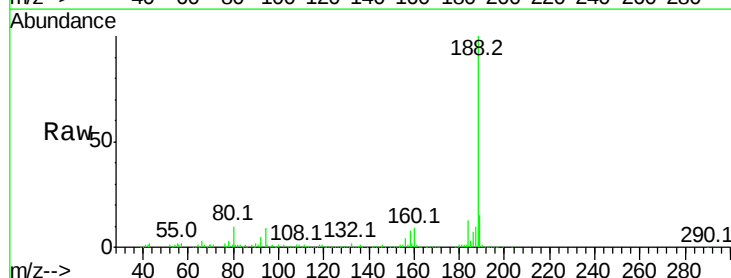
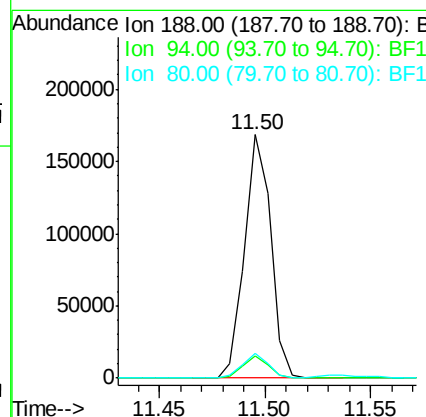
Sohil

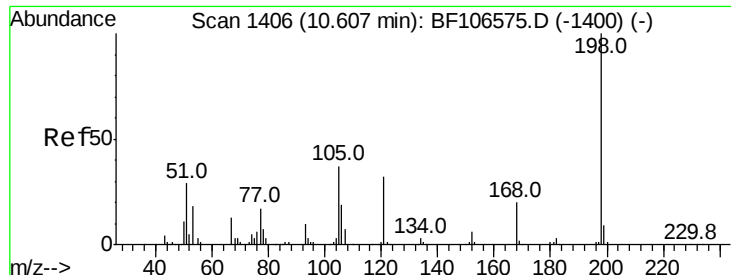
6/27/2018 10:55:46 AM



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.4   | 8.5   | 12.7  |
| 80      | 10.0  | 9.2   | 13.8  |





#64

4,6-Dinitro-2-methylphenol

Concen: 8.813 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

HR-06-062218-CMSD

Tot Ion:198 Resp: 7894

Ion Ratio Lower Upper

198 100

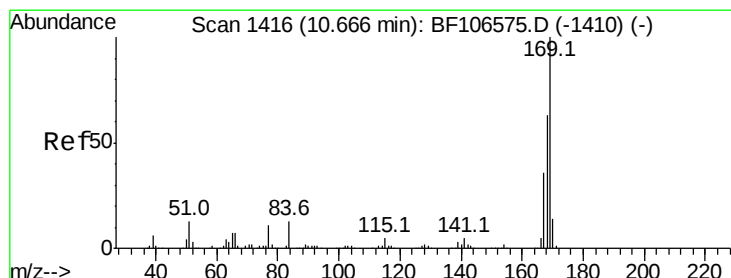
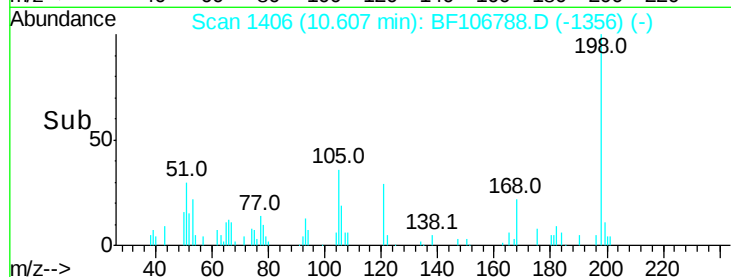
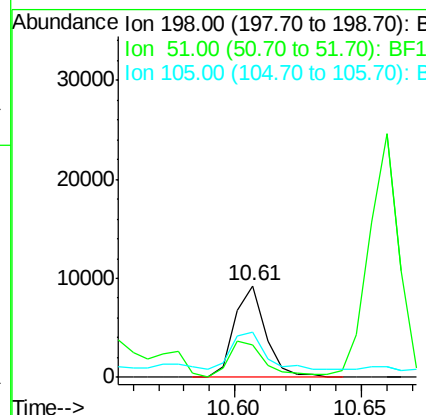
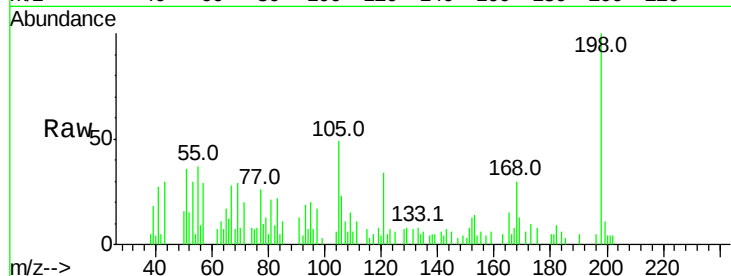
51 35.8 37.7 77.7#

105 49.0 36.3 76.3

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#65

n-Nitrosodiphenylamine

Concen: 35.086 ng

RT: 10.66 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

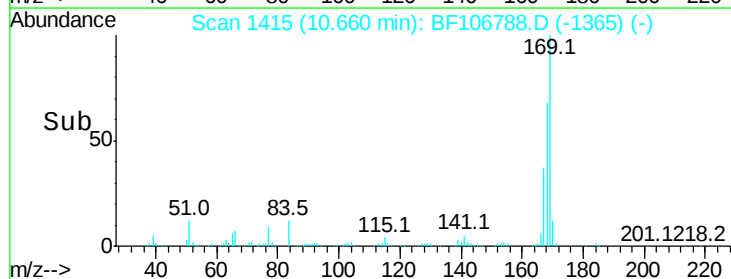
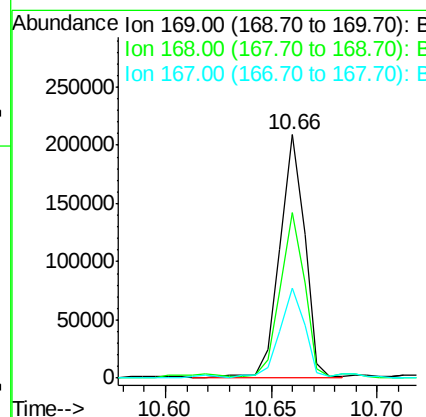
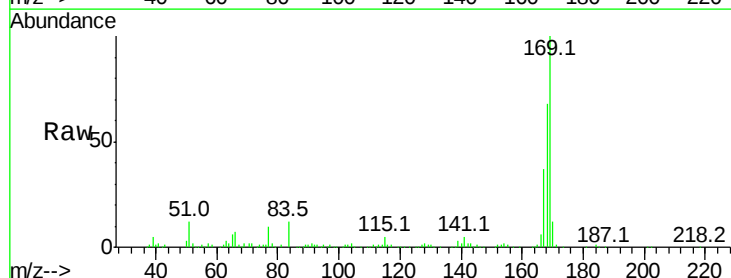
Tgt Ion:169 Resp: 171014

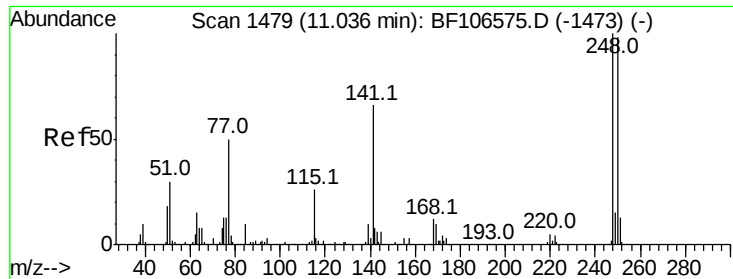
Ion Ratio Lower Upper

169 100

168 67.8 54.4 81.6

167 36.8 29.8 44.6





#66  
4-Bromophenyl-phenylether  
Concen: 38.521 ng  
RT: 11.03 min Scan# 1478  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

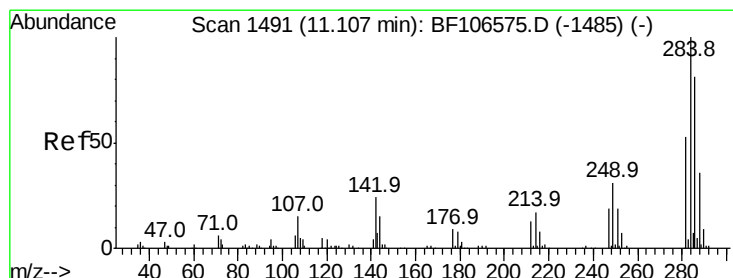
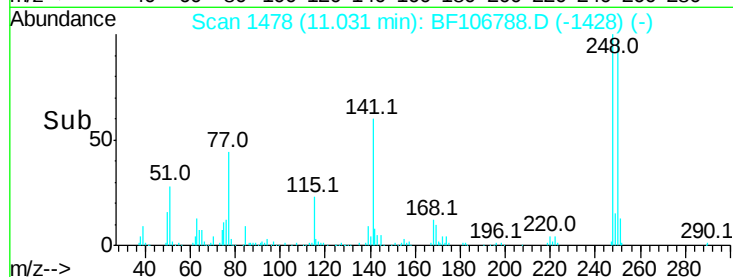
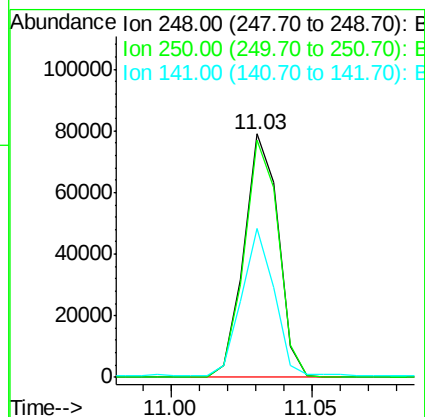
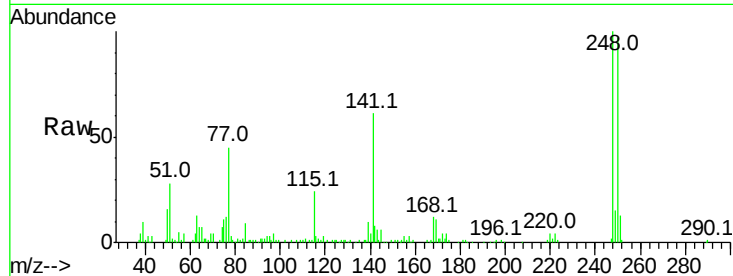
Instrument :  
BNA\_F  
ClientSampleID :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 97.3  | 76.9  | 115.3  |
| 141     | 61.0  | 74.4  | 111.6# |

Manual Integrations  
APPROVED

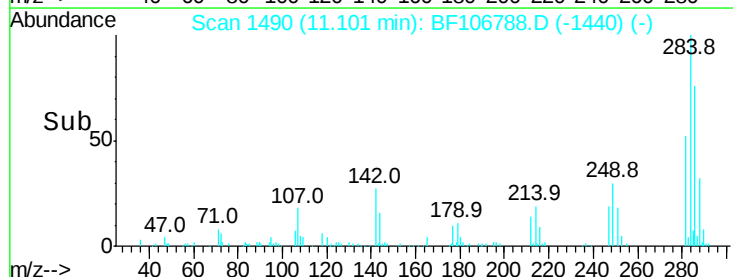
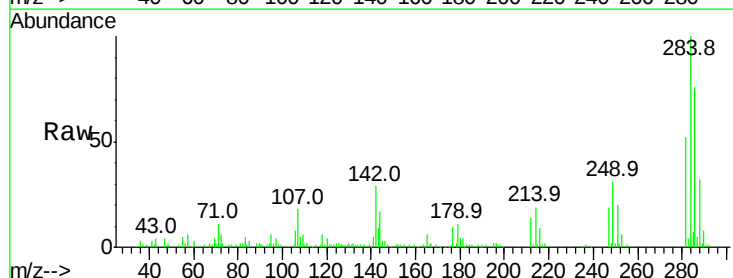
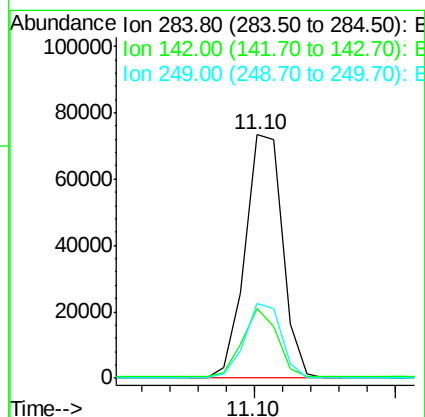
Sohil

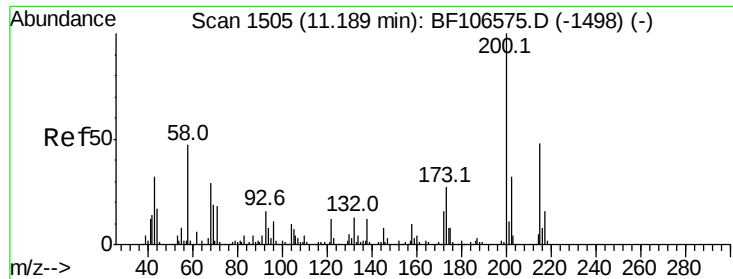
6/27/2018 10:55:46 AM



#67  
Hexachlorobenzene  
Concen: 37.392 ng  
RT: 11.10 min Scan# 1490  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 28.8  | 34.6  | 52.0# |
| 249     | 30.8  | 24.8  | 37.2  |





#68  
Atrazine  
Concen: 37.689 ng  
RT: 11.18 min Scan# 1504  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

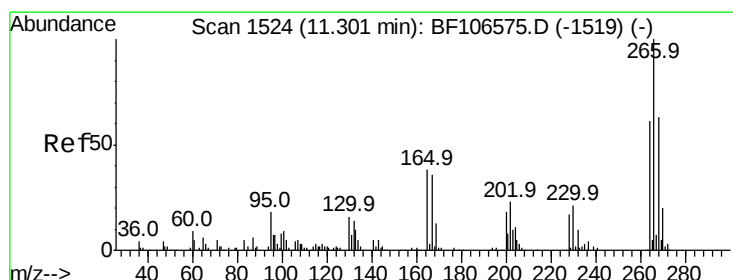
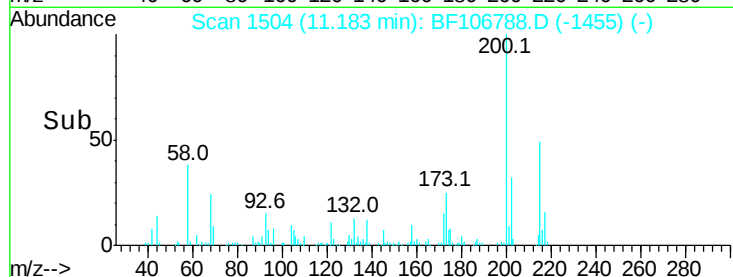
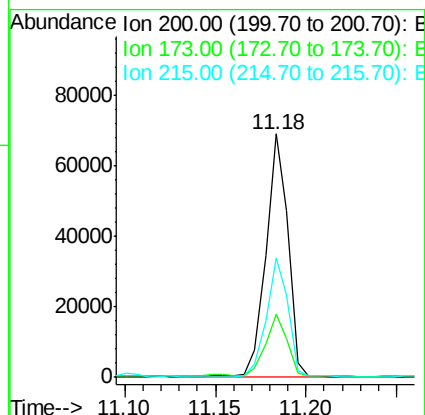
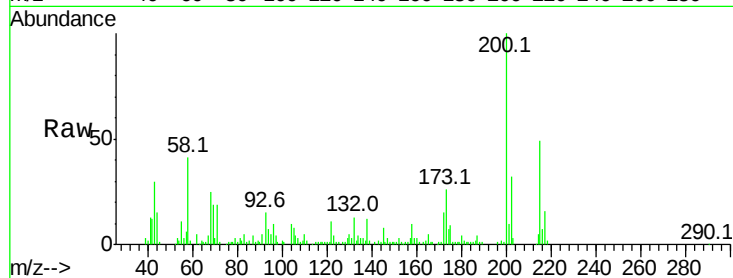
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 200   | Resp: | 58400 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 26.0  | 8.6   | 48.6  |
| 215       | 48.9  | 25.1  | 65.1  |

Manual Integrations  
APPROVED

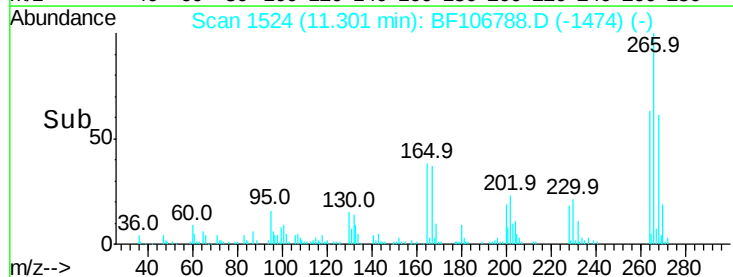
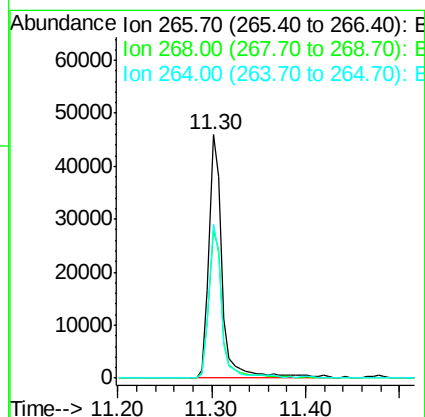
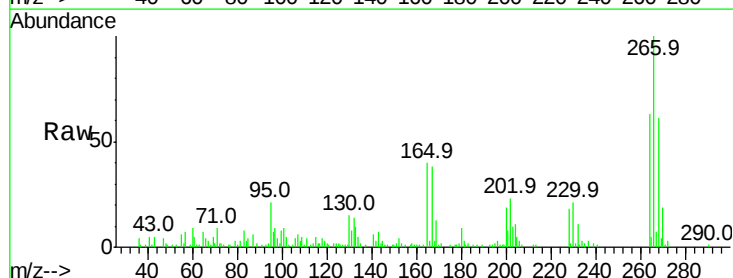
Sohil

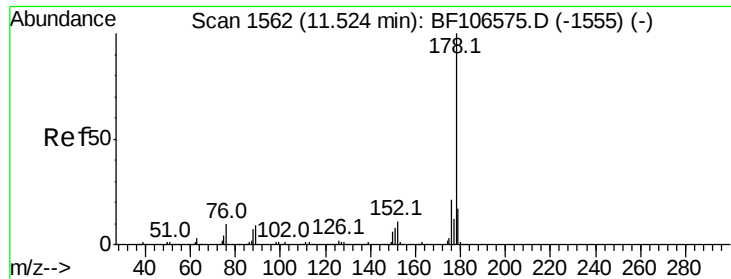
6/27/2018 10:55:46 AM



#69  
Pentachlorophenol  
Concen: 51.253 ng  
RT: 11.30 min Scan# 1524  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 46290 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 60.8  | 51.1  | 76.7  |
| 264       | 63.0  | 49.5  | 74.3  |





#70  
Phenanthrene  
Concen: 51.371 ng  
RT: 11.52 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

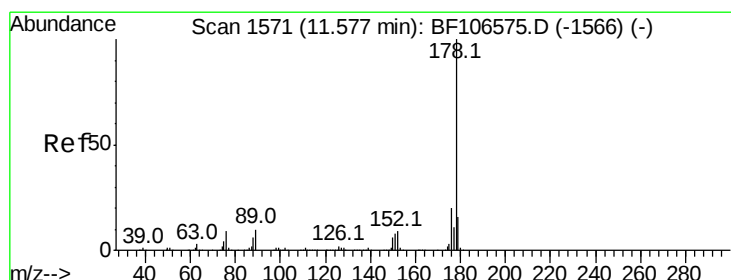
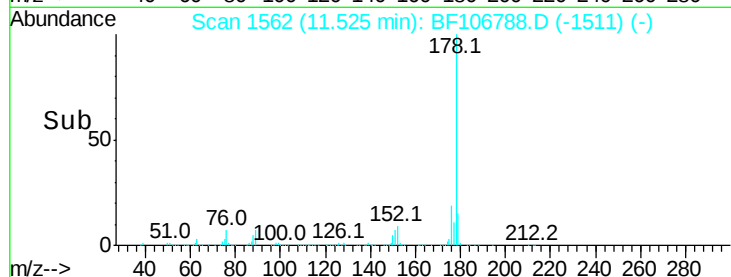
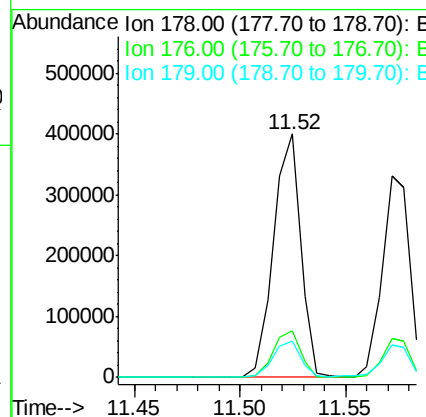
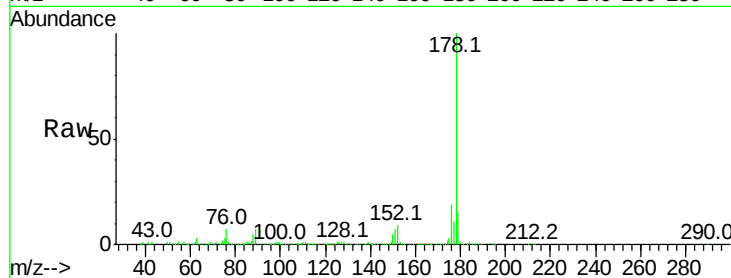
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.8  | 23.8  |
| 179     | 15.0  | 13.0  | 19.6  |

Manual Integrations  
APPROVED

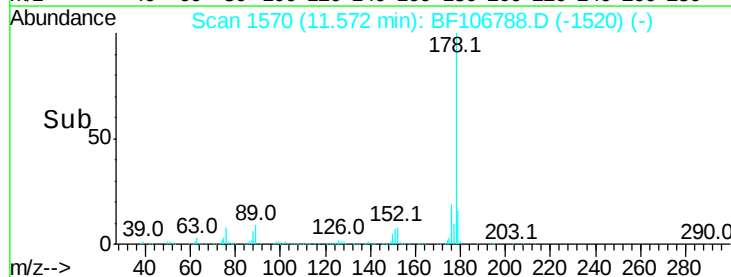
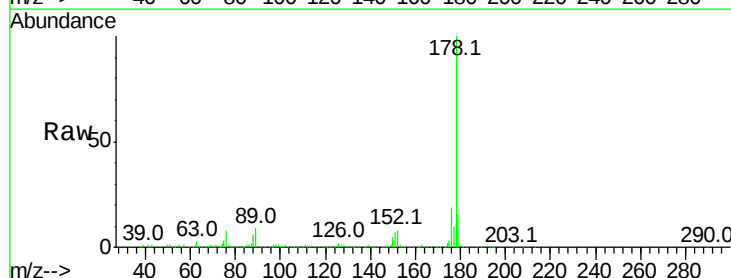
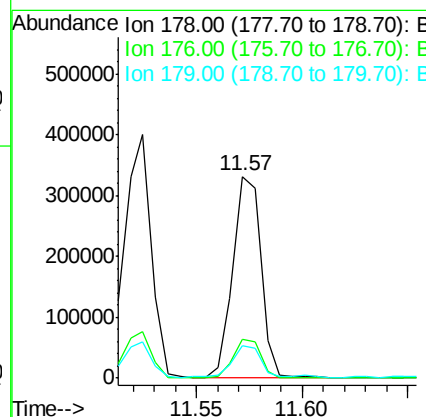
Sohil

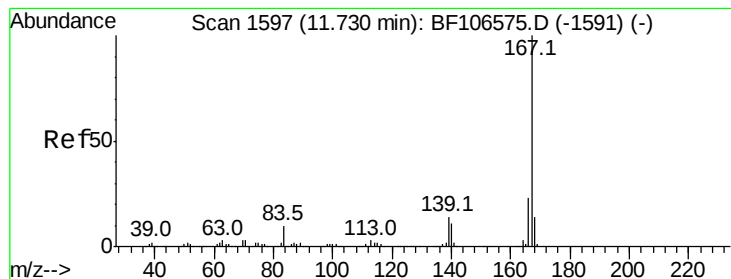
6/27/2018 10:55:46 AM



#71  
Anthracene  
Concen: 42.451 ng  
RT: 11.57 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.4  | 23.2  |
| 179     | 15.9  | 12.6  | 19.0  |





#72

Carbazole

Concen: 37.109 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

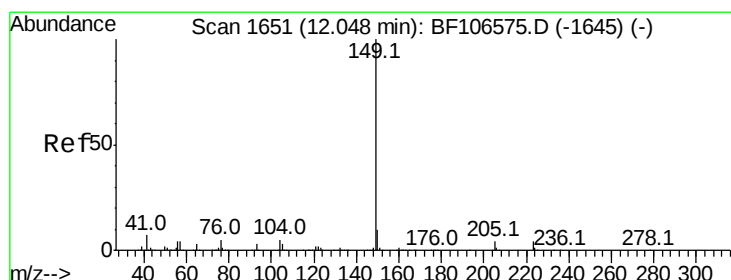
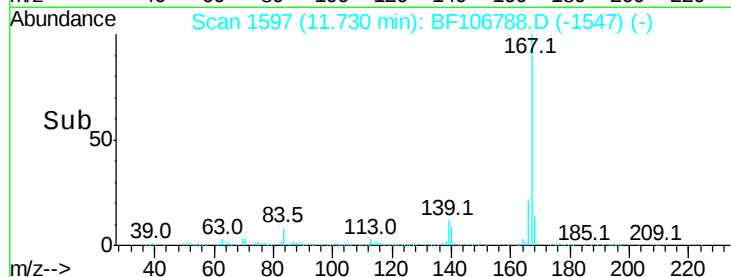
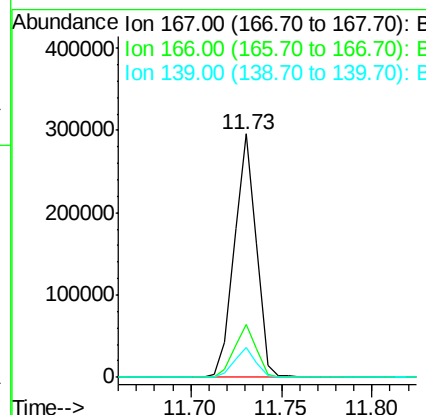
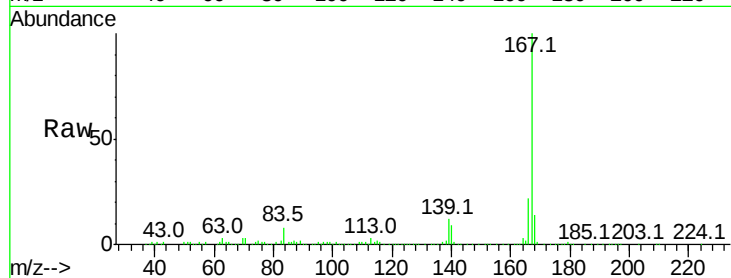
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 247861 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 21.6  | 17.6  | 26.4   |
| 139       | 12.1  | 10.9  | 16.3   |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#73

Di-n-butylphthalate

Concen: 35.291 ng

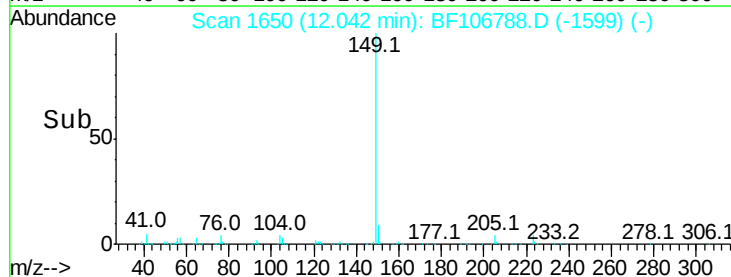
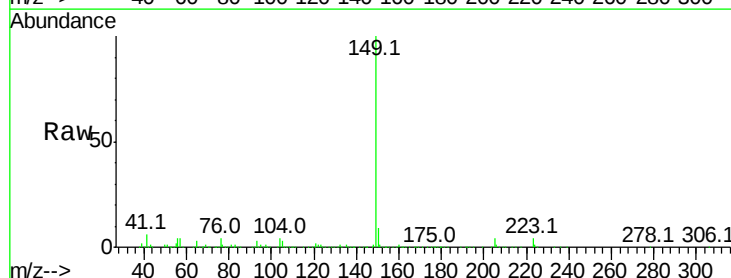
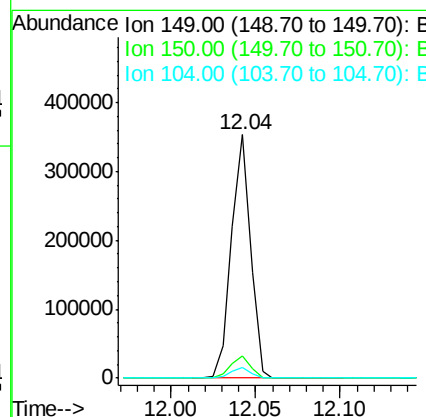
RT: 12.04 min Scan# 1650

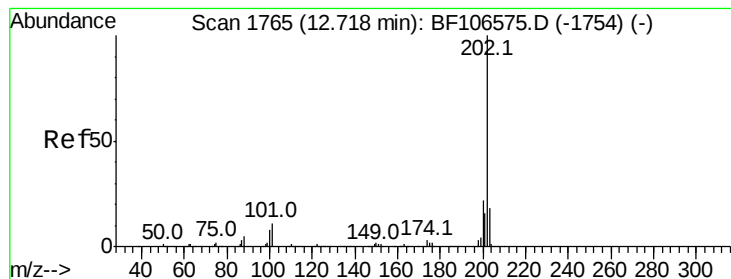
Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 277699 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.8   | 11.6   |
| 104       | 4.3   | 3.8   | 5.8    |





#74  
 Fluoranthene  
 Concen: 62.443 ng  
 RT: 12.72 min Scan# 1765  
 Delta R.T. 0.00 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

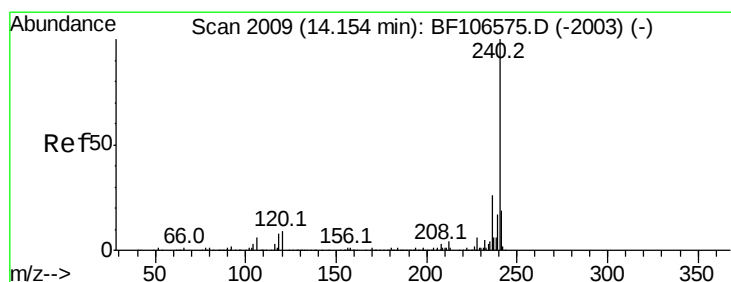
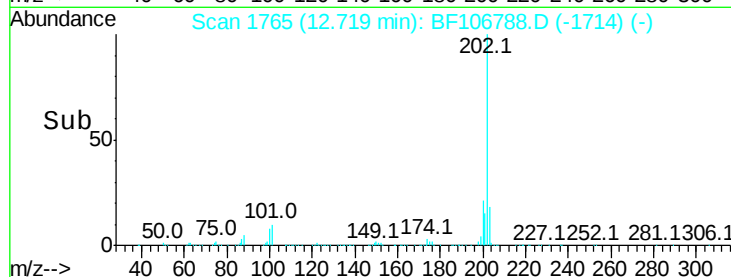
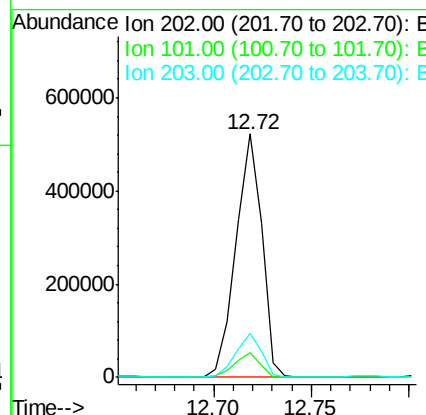
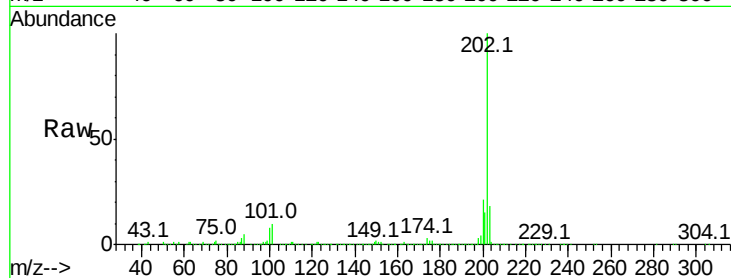
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062218-CMSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.0  | 0.0        | 34.1  |
| 203     | 17.9  | 0.0        | 38.1  |

Manual Integrations  
 APPROVED

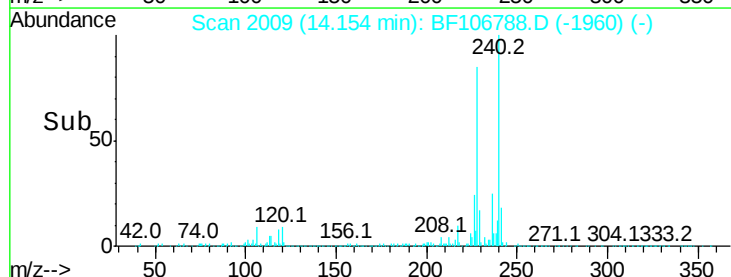
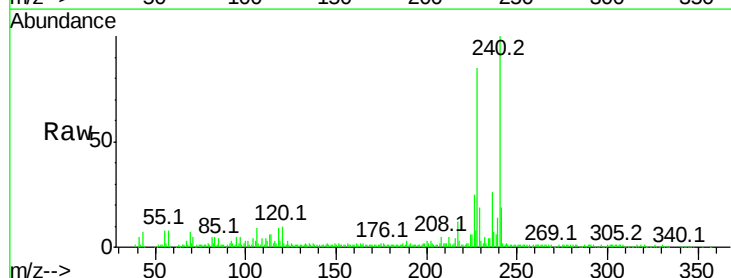
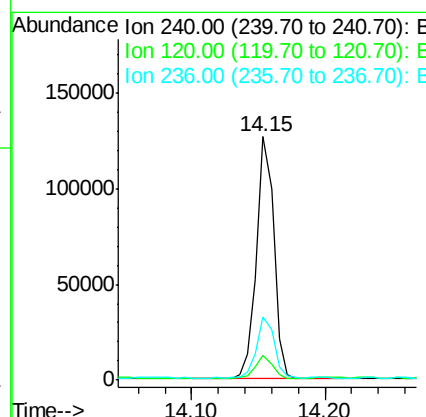
Sohil

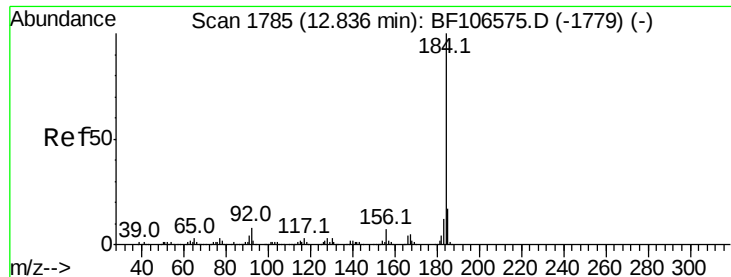
6/27/2018 10:55:46 AM



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.15 min Scan# 2009  
 Delta R.T. -0.01 min  
 Lab File: BF106788.D  
 Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 10.2  | 9.5        | 14.3  |
| 236     | 25.9  | 20.7       | 31.1  |





#76

Benzidine

Concen: 26.469 ng

RT: 12.84 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

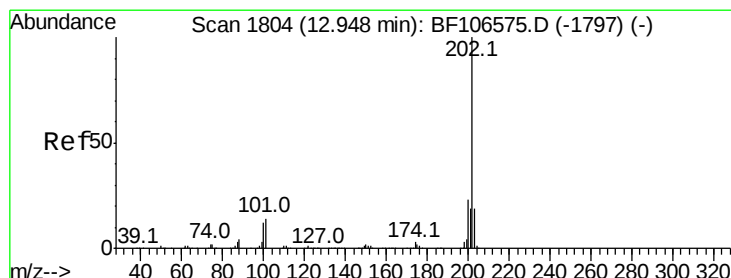
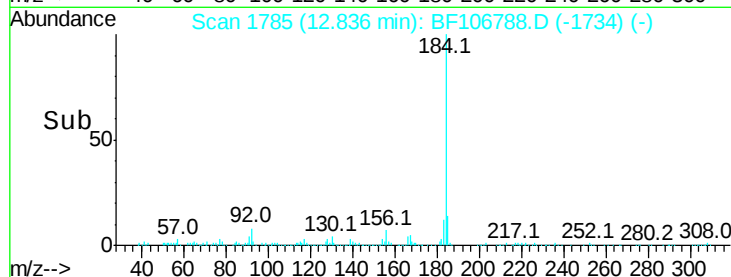
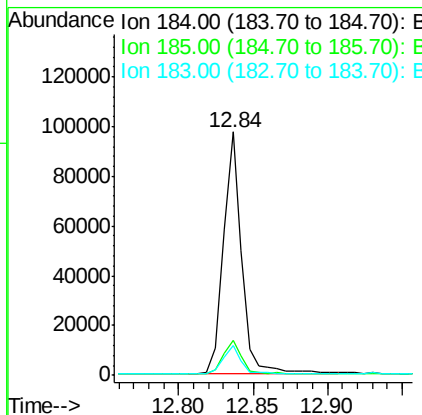
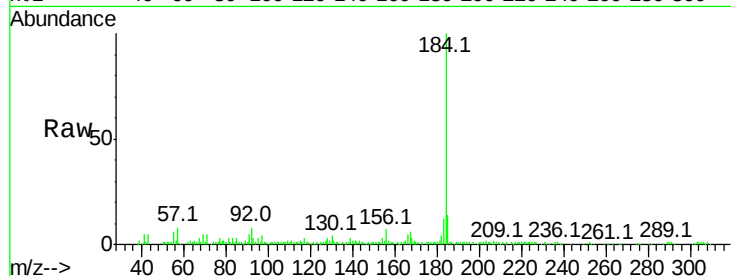
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 85331 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.2  | 12.6  | 18.8  |
| 183       | 12.3  | 9.3   | 13.9  |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#77

Pyrene

Concen: 63.152 ng

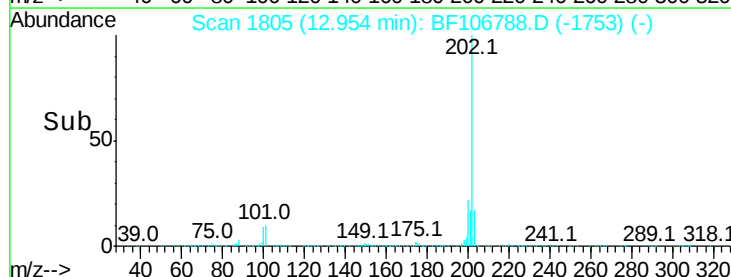
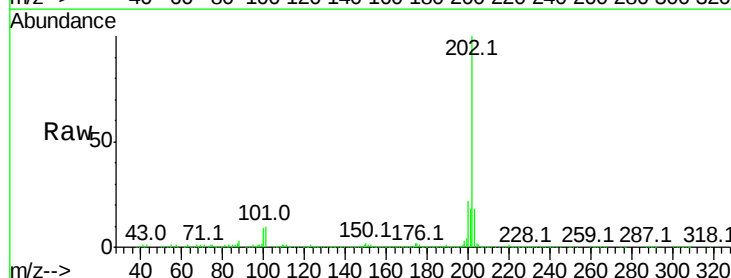
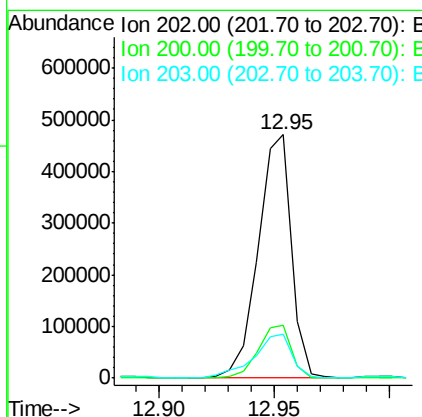
RT: 12.95 min Scan# 1805

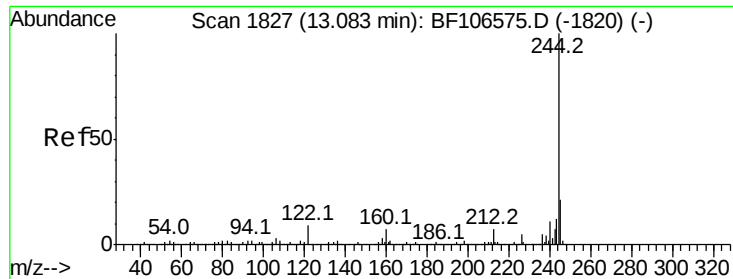
Delta R.T. 0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 471393 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.7  | 17.4  | 26.2   |
| 203       | 17.8  | 14.3  | 21.5   |





#78

Terphenyl-d14

Concen: 94.002 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

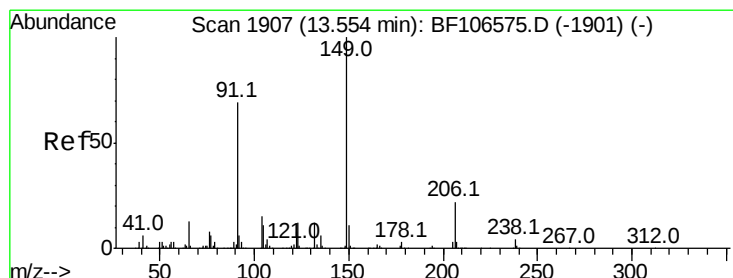
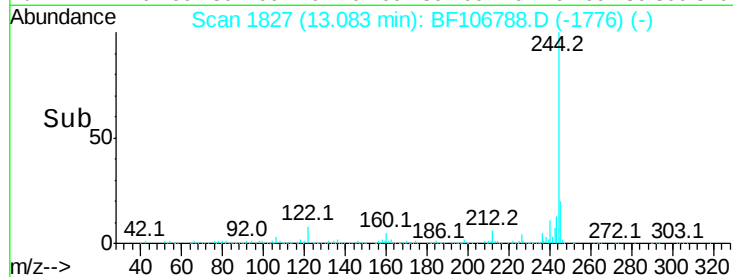
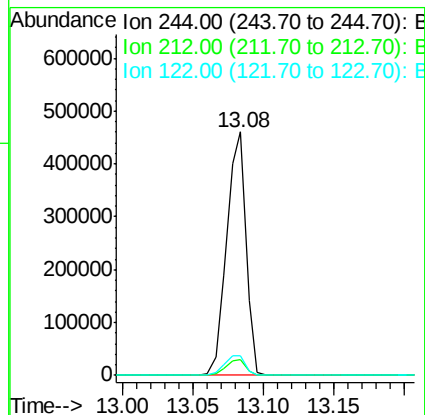
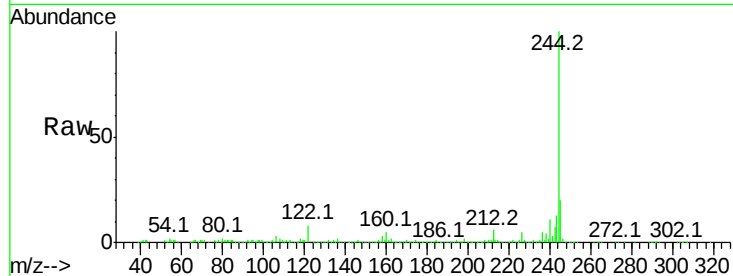
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.4   | 5.4   | 8.0   |
| 122     | 7.9   | 11.0  | 16.4  |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#79

Butylbenzylphthalate

Concen: 36.790 ng

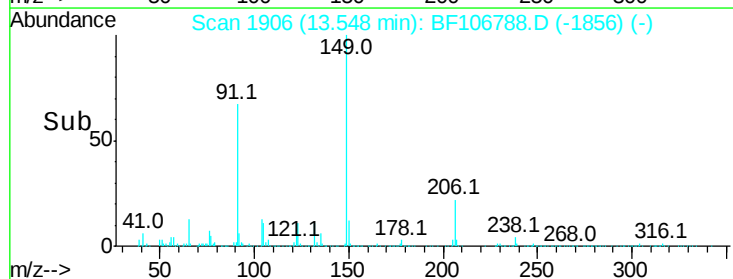
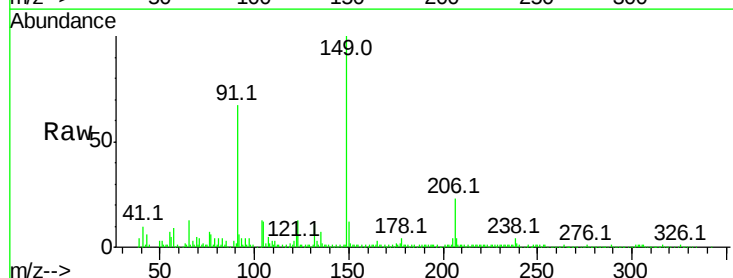
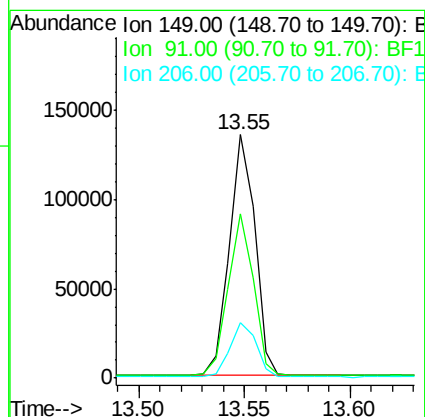
RT: 13.55 min Scan# 1906

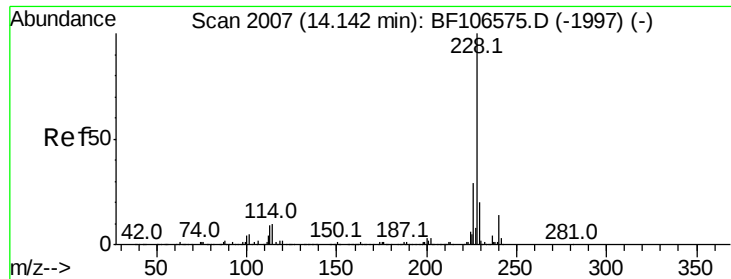
Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 67.2  | 56.8  | 85.2  |
| 206     | 22.7  | 14.1  | 21.1  |





#80  
Benzo(a)anthracene  
Concen: 49.783 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

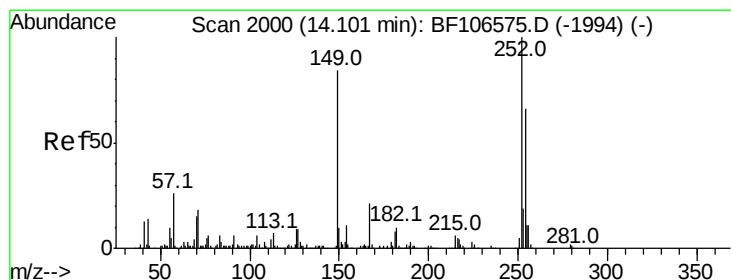
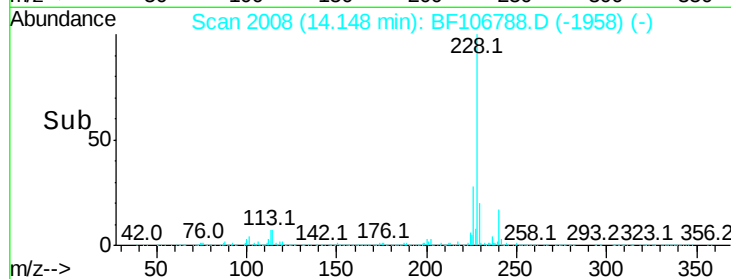
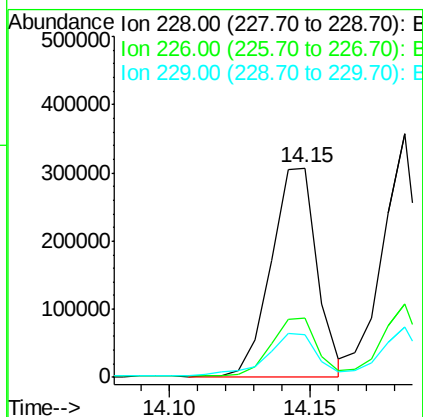
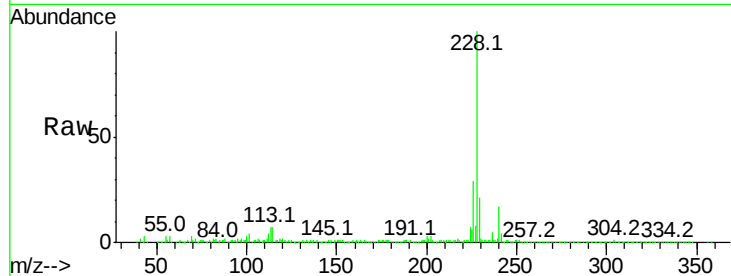
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 343451 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.6  | 22.6  | 33.8   |
| 229       | 20.6  | 15.8  | 23.6   |

Manual Integrations  
APPROVED

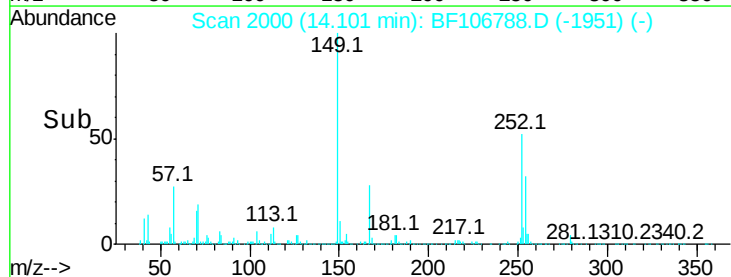
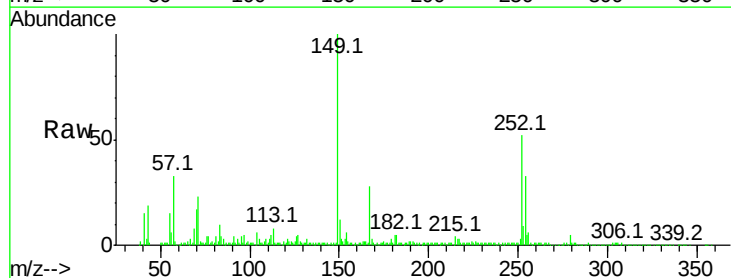
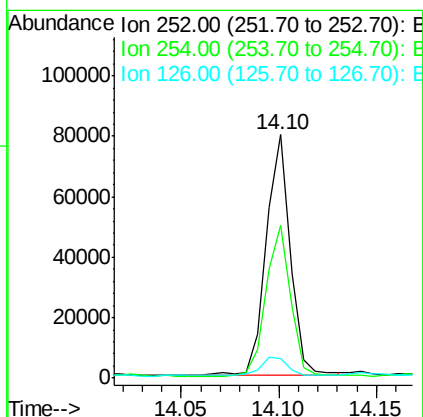
Sohil

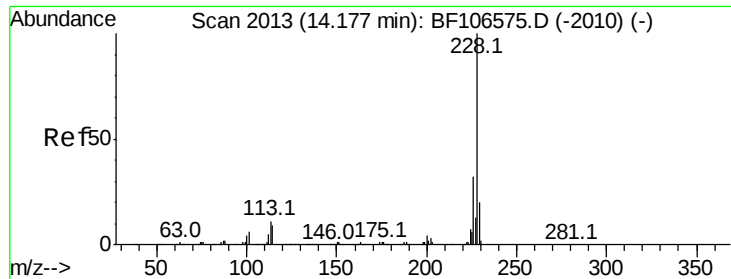
6/27/2018 10:55:46 AM



#81  
3,3'-Dichlorobenzidine  
Concen: 28.180 ng  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 68328 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 62.6  | 50.4  | 75.6  |
| 126       | 8.2   | 11.3  | 16.9# |





#82  
Chrysene  
Concen: 49.941 ng  
RT: 14.18 min Scan# 2014  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

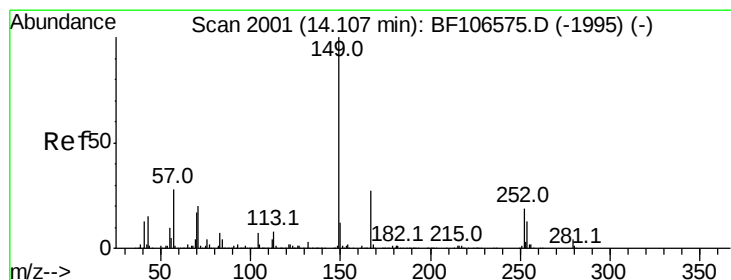
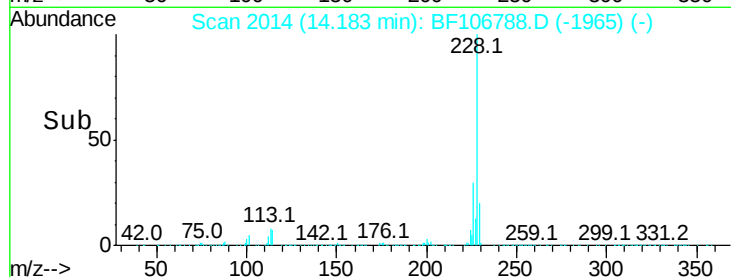
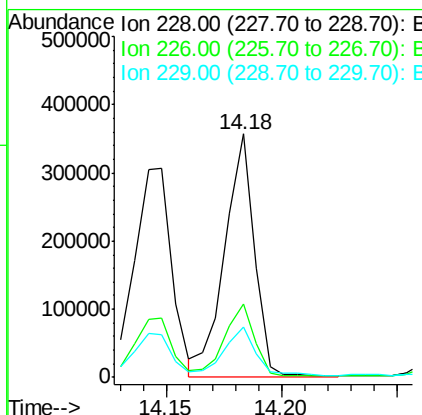
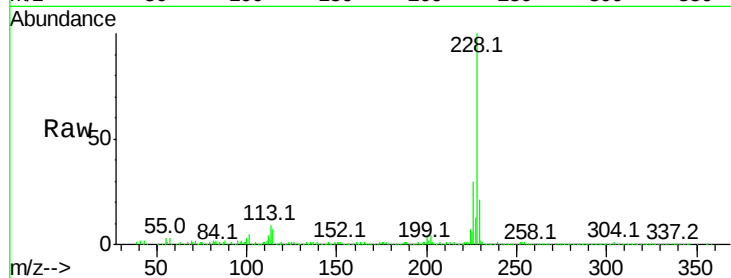
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 316970 |       |       |
| 226     | 30.3  | 25.0   | 37.6  |       |
| 229     | 20.8  | 16.2   | 24.4  |       |

Manual Integrations  
APPROVED

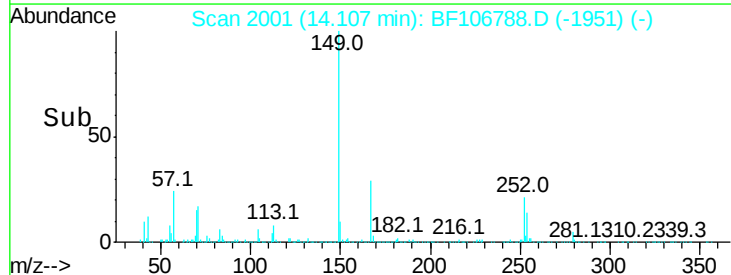
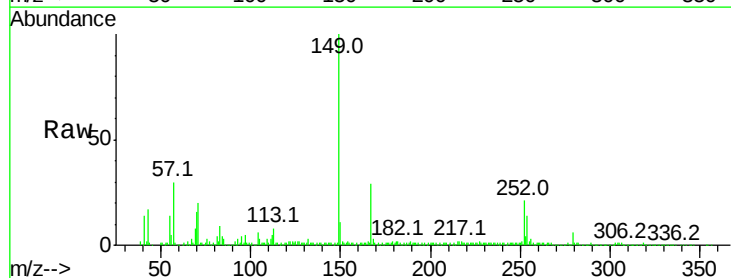
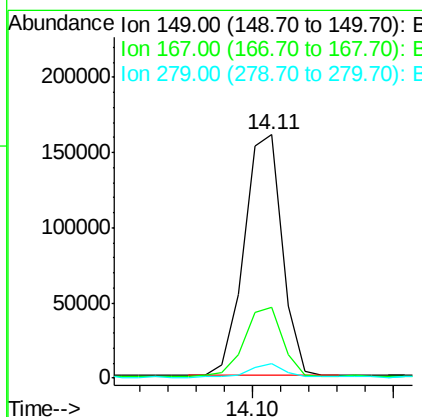
Sohil

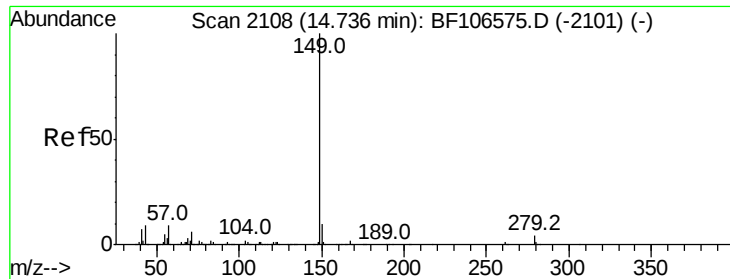
6/27/2018 10:55:46 AM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 38.240 ng  
RT: 14.11 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 150039 |       |       |
| 167     | 29.3  | 21.3   | 31.9  |       |
| 279     | 5.7   | 3.0    | 4.4   |       |





#84

Di-n-octyl phthalate

Concen: 38.481 ng

RT: 14.74 min Scan# 2108

Delta R.T. -0.03 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

Instrument :

BNA\_F

ClientSampleId :

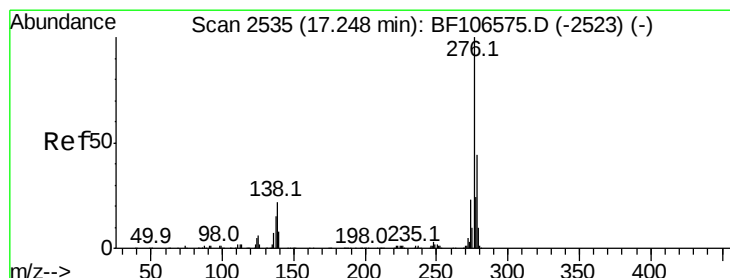
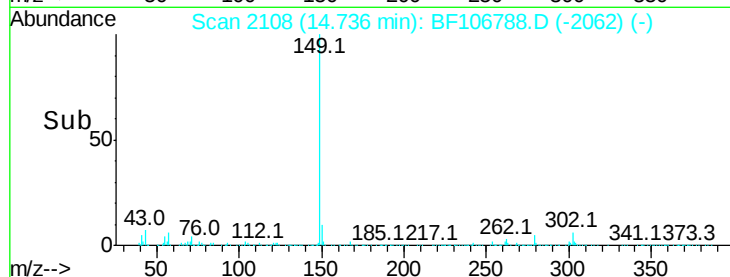
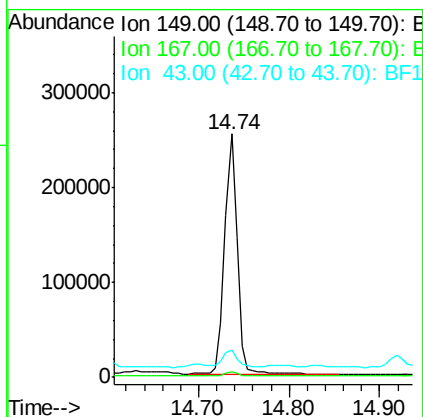
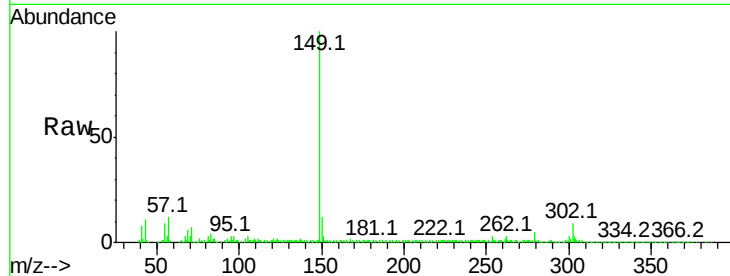
HR-06-062218-CMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 246114 |       |       |
| 167     | 1.6   | 1.2    | 1.8   |       |
| 43      | 6.9   | 8.4    | 12.6  |       |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 41.539 ng

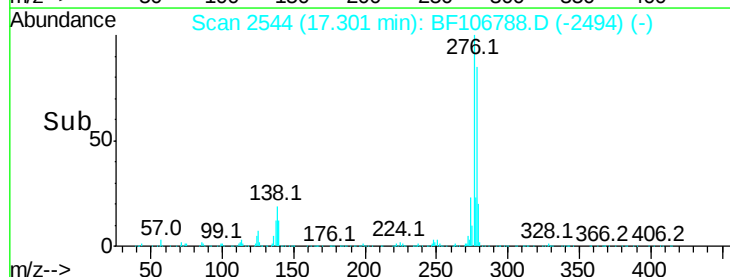
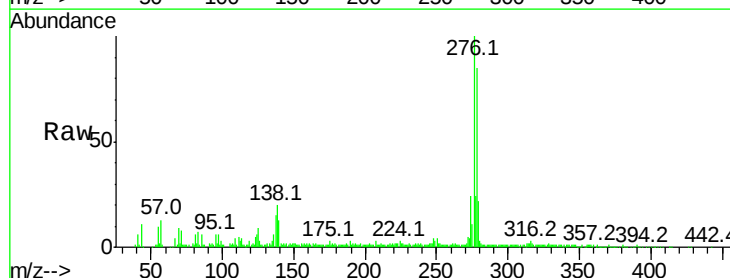
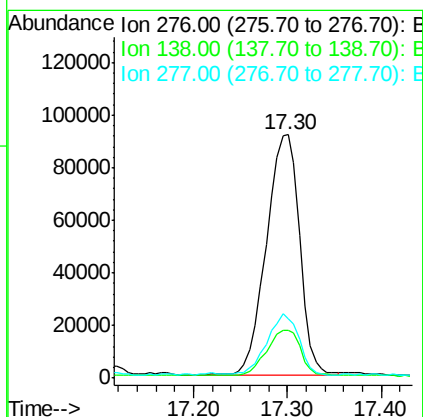
RT: 17.30 min Scan# 2544

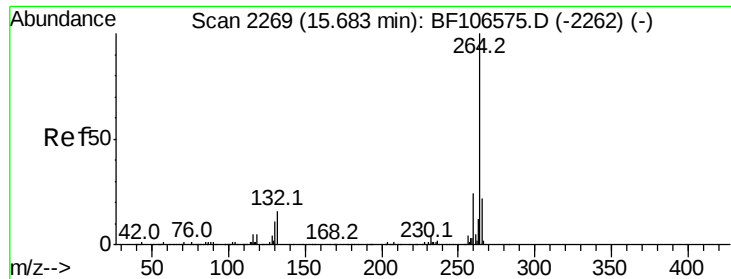
Delta R.T. -0.01 min

Lab File: BF106788.D

Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 223736 |       |       |
| 138     | 19.0  | 25.0   | 37.6  |       |
| 277     | 24.6  | 20.1   | 30.1  |       |





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.70 min Scan# 2272  
Delta R.T. -0.02 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

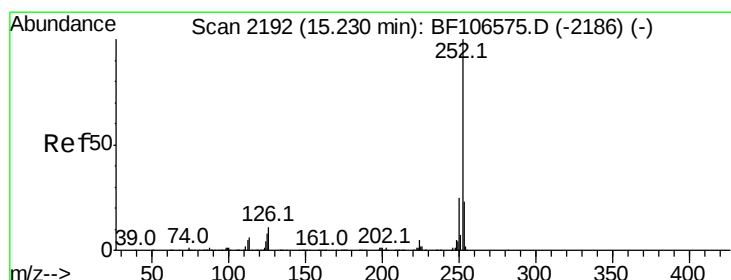
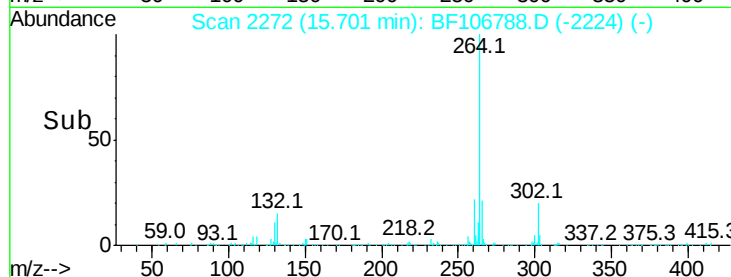
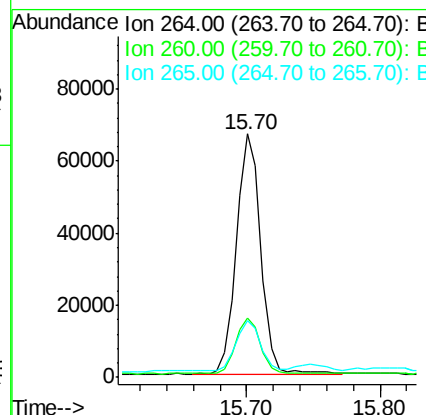
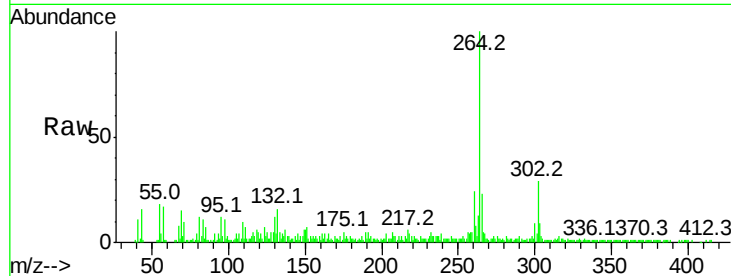
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 264   | Resp: | 84852 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.2  | 19.2  | 28.8  |
| 265       | 23.5  | 17.5  | 26.3  |

Manual Integrations  
APPROVED

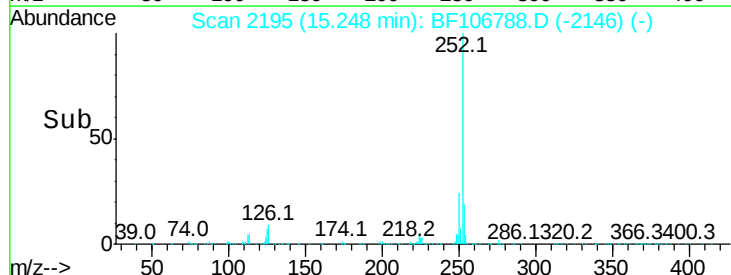
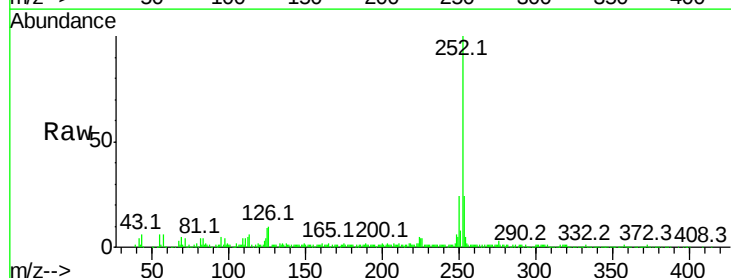
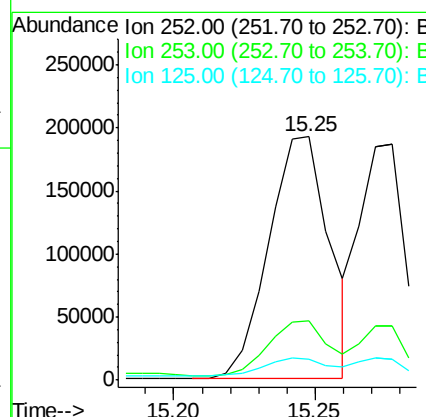
Sohil

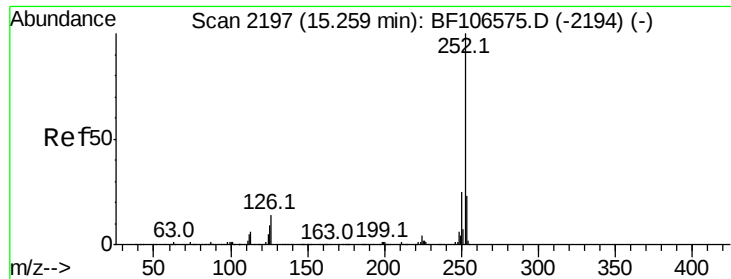
6/27/2018 10:55:46 AM



#87  
Benzo(b)fluoranthene  
Concen: 54.208 ng  
RT: 15.25 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 285727 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.1  | 17.0  | 25.6   |
| 125       | 8.6   | 9.0   | 13.6#  |





#88  
Benzo(k)fluoranthene  
Concen: 41.178 ng  
RT: 15.28 min Scan# 2200  
Delta R.T. -0.02 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

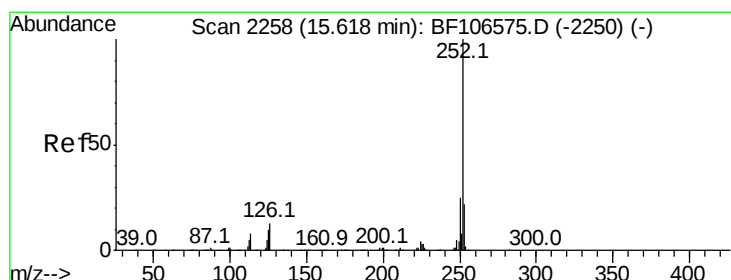
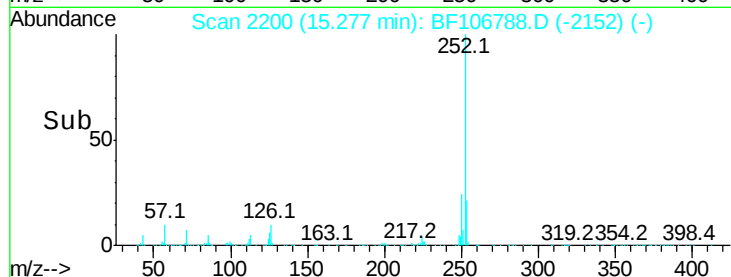
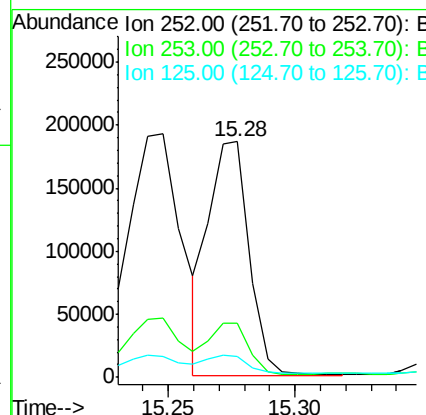
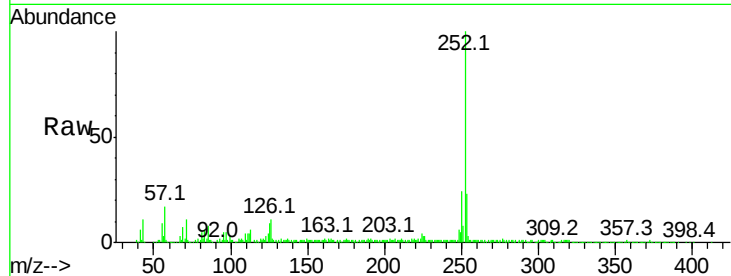
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.9  | 26.9  |
| 125     | 8.6   | 10.2  | 15.2  |

Manual Integrations  
APPROVED

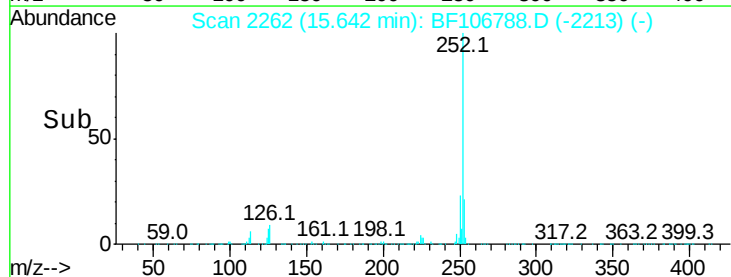
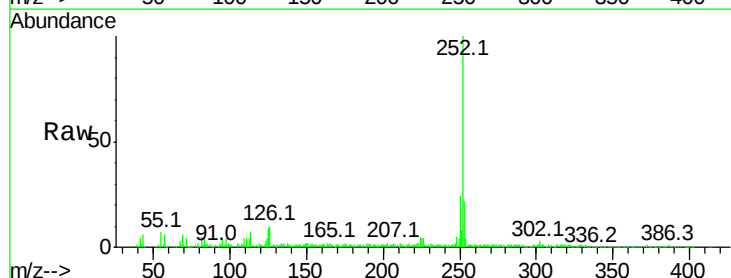
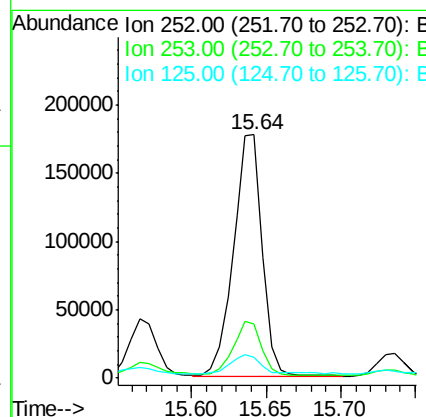
Sohil

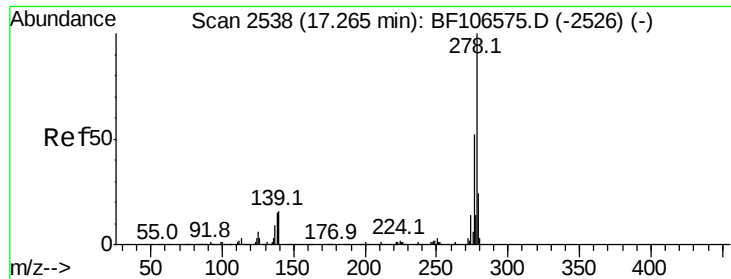
6/27/2018 10:55:46 AM



#89  
Benzo(a)pyrene  
Concen: 50.868 ng  
RT: 15.64 min Scan# 2262  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.1  | 25.7  |
| 125     | 8.8   | 9.8   | 14.6  |





#90  
Dibenzo(a,h)anthracene  
Concen: 39.640 ng  
RT: 17.31 min Scan# 2545  
Delta R.T. -0.02 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

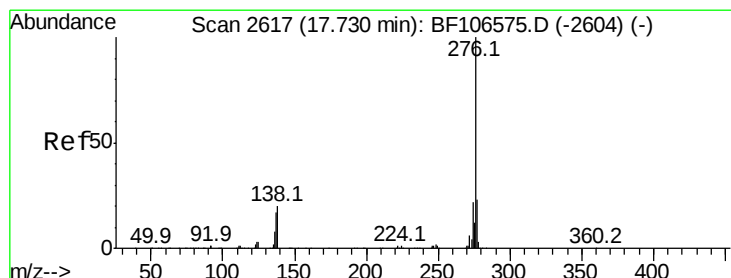
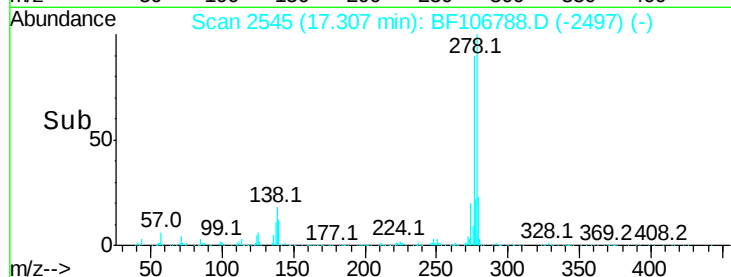
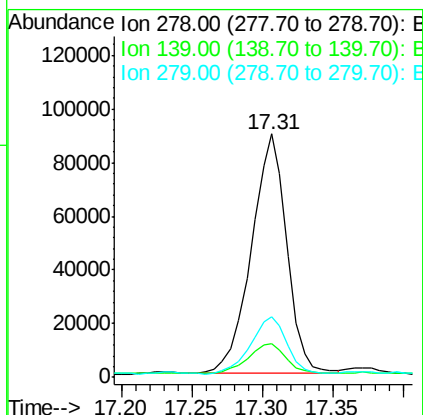
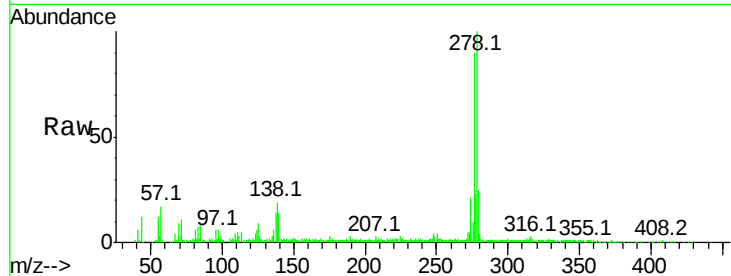
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062218-CMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.9  | 15.9  | 23.9# |
| 279     | 24.8  | 19.0  | 28.4  |

Manual Integrations  
APPROVED

Sohil

6/27/2018 10:55:46 AM



#91  
Benzo(g,h,i)perylene  
Concen: 50.794 ng  
RT: 17.78 min Scan# 2626  
Delta R.T. -0.01 min  
Lab File: BF106788.D  
Acq: 25 Jun 2018 22:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 17.9  | 26.9  |
| 138     | 18.6  | 21.8  | 32.8# |

