

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012519\  
 Data File : BF112254.D  
 Acq On : 26 Jan 2019 1:30  
 Operator : JU/SJ  
 Sample : K1234-08  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Quant Time: Jan 27 23:46:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 25 16:47:00 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 247311   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.12  | 136  | 943834   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.87  | 164  | 452583   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 815770   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.00 | 240  | 499287   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.46 | 264  | 501982   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 1755353 | 150.76 | ng | 0.00  |
| 7) Phenol-d6             | 6.49  | 99  | 2423268 | 149.78 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 1547842 | 94.49  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 708404  | 134.47 | ng | -0.02 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 2933371 | 91.67  | ng | -0.01 |
| 79) Terphenyl-d14        | 12.94 | 244 | 2631717 | 99.28  | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 4) n-Nitrosodimethylamine      | 3.41  | 42  | 125     | 0.025  | ng | # 1    |
| 6) Aniline                     | 6.50  | 93  | 3398    | 0.177  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.63  | 128 | 939     | 0.060  | ng | # 1    |
| 9) Benzaldehyde                | 6.49  | 77  | 4699    | 0.556  | ng | # 1    |
| 10) Phenol                     | 6.50  | 94  | 127079  | 7.159  | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.62  | 93  | 2621    | 0.188  | ng | # 1    |
| 15) Benzyl Alcohol             | 7.00  | 79  | 26176   | 1.919  | ng | # 40   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09  | 45  | 107     | 0.006  | ng | 63     |
| 17) 2-Methylphenol             | 7.00  | 107 | 494     | 0.040  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 208686  | 18.706 | ng | # 76   |
| 20) 3+4-Methylphenols          | 7.00  | 107 | 494     | 0.031  | ng | # 1    |
| 22) Acetophenone               | 7.25  | 105 | 414     | 0.018  | ng | # 35   |
| 24) Nitrobenzene               | 7.40  | 77  | 4997    | 0.305  | ng | # 28   |
| 25) Isophorone                 | 7.40  | 82  | 1520944 | 59.187 | ng | # 63   |
| 31) Naphthalene                | 8.14  | 128 | 615     | 0.014  | ng | # 67   |
| 37) 2-Methylnaphthalene        | 8.83  | 142 | 239     | 0.008  | ng | # 15   |
| 38) 1-Methylnaphthalene        | 8.93  | 142 | 134     | 0.005  | ng | # 7    |
| 46) 1,1'-Biphenyl              | 9.30  | 154 | 6418    | 0.162  | ng | 93     |
| 47) 2-Chloronaphthalene        | 9.57  | 162 | 124     | 0.004  | ng | # 1    |
| 48) 2-Nitroaniline             | 9.59  | 65  | 2906    | 0.347  | ng | # 1    |
| 49) Acenaphthylene             | 9.91  | 152 | 114     | 0.003  | ng | # 1    |
| 50) Dimethylphthalate          | 9.59  | 163 | 340324  | 9.678  | ng | 99     |
| 51) 2,6-Dinitrotoluene         | 9.59  | 165 | 3751    | 0.476  | ng | # 1    |
| 52) Acenaphthene               | 9.87  | 154 | 1676    | 0.062  | ng | # 5    |
| 55) Dibenzofuran               | 10.09 | 168 | 489     | 0.012  | ng | # 46   |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165 | 57837   | 5.769  | ng | # 32   |
| 58) Fluorene                   | 10.67 | 166 | 29739   | 0.968  | ng | # 86   |
| 60) Diethylphthalate           | 10.29 | 149 | 3639    | 0.104  | ng | # 88   |
| 63) Azobenzene                 | 10.58 | 77  | 311     | 0.010  | ng | # 33   |
| 65) 4,6-Dinitro-2-methylphenol | 10.67 | 198 | 1319    | 0.288  | ng | # 1    |
| 66) n-Nitrosodiphenylamine     | 10.67 | 169 | 19778   | 0.719  | ng | # 43   |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248 | 42531   | 4.433  | ng | # 1    |
| 71) Phenanthrene               | 11.39 | 178 | 4508    | 0.106  | ng | # 93   |
| 72) Anthracene                 | 11.44 | 178 | 488     | 0.012  | ng | # 60   |

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 ALS Vial : 18 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 25 16:47:00 2019  
 Response via : Initial Calibration

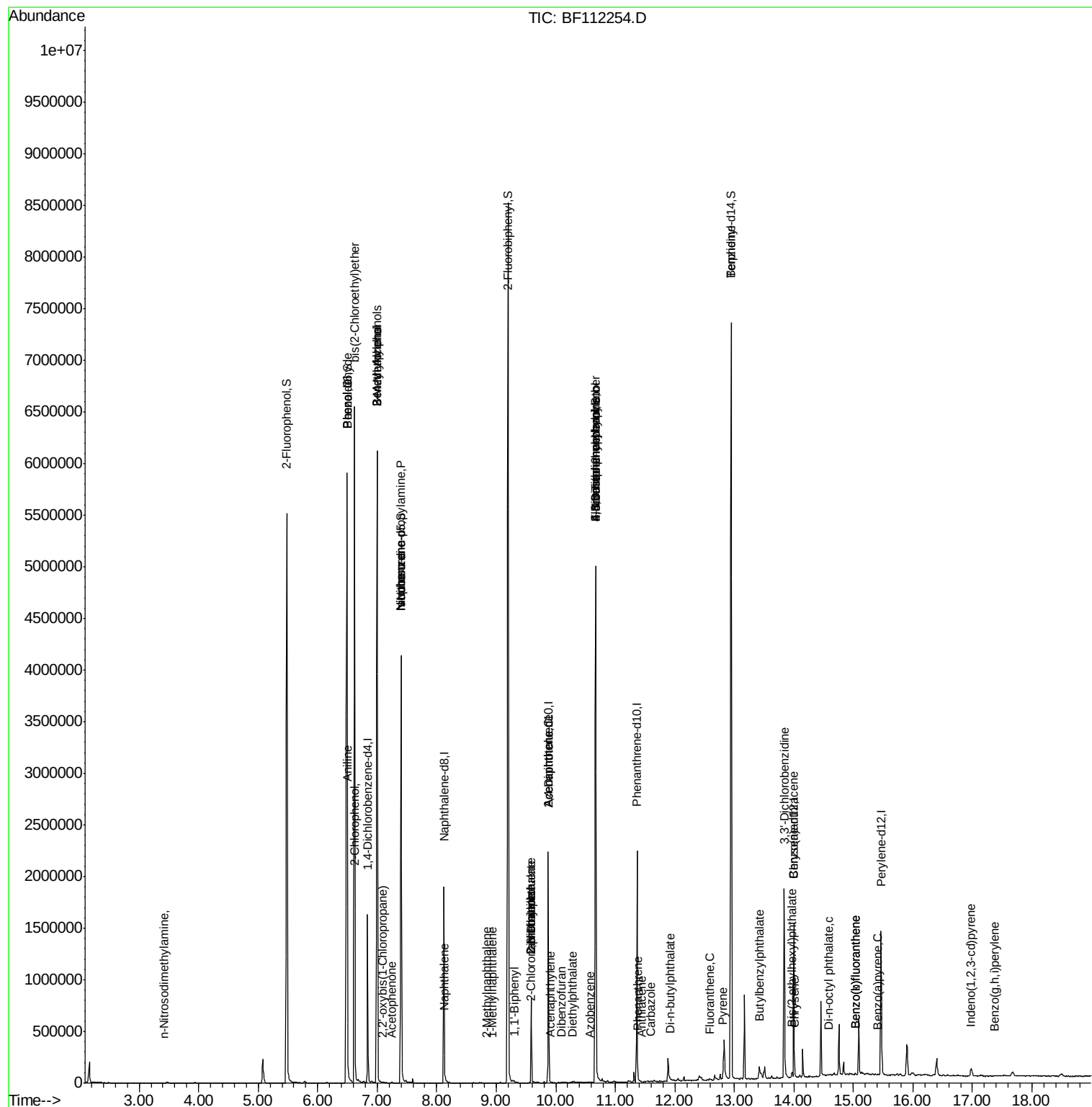
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 73) Carbazole                  | 11.59 | 167  | 1112     | 0.027 | ng    | # 59     |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 7936     | 0.153 | ng    | # 94     |
| 75) Fluoranthene               | 12.57 | 202  | 5345     | 0.118 | ng    | 97       |
| 77) Benzidine                  | 12.94 | 184  | 33788    | 2.459 | ng    | 96       |
| 78) Pyrene                     | 12.80 | 202  | 4667     | 0.135 | ng    | 96       |
| 80) Butylbenzylphthalate       | 13.41 | 149  | 1164     | 0.070 | ng    | # 45     |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 5079     | 0.173 | ng    | # 95     |
| 82) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 820      | 0.075 | ng    | # 1      |
| 83) Chrysene                   | 14.02 | 228  | 4002     | 0.143 | ng    | 92       |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 14626    | 0.616 | ng    | # 95     |
| 85) Di-n-octyl phthalate       | 14.58 | 149  | 3356     | 0.092 | ng    | # 64     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 1123     | 0.051 | ng    | # 48     |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 2486     | 0.083 | ng    | # 55     |
| 89) Benzo(k)fluoranthene       | 15.04 | 252  | 2486     | 0.086 | ng    | # 55     |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 1695     | 0.063 | ng    | # 20     |
| 92) Benzo(g,h,i)perylene       | 17.38 | 276  | 141      | 0.007 | ng    | # 51     |
| -----                          |       |      |          |       |       |          |

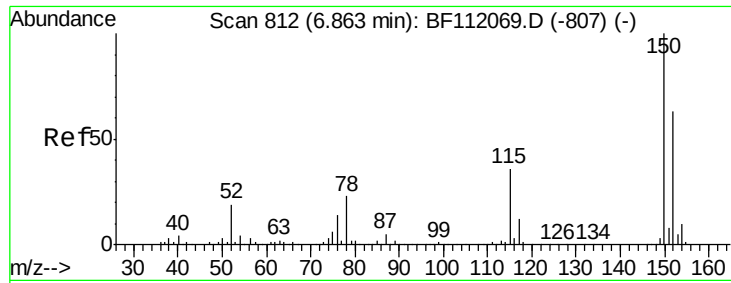
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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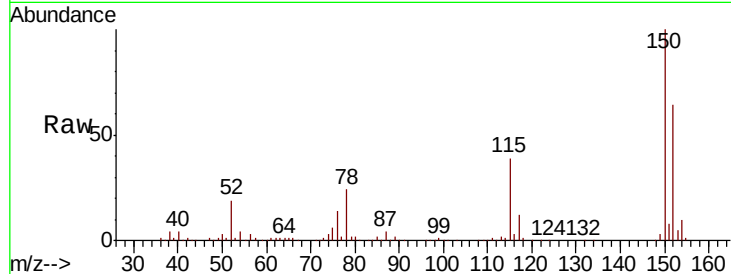


#1

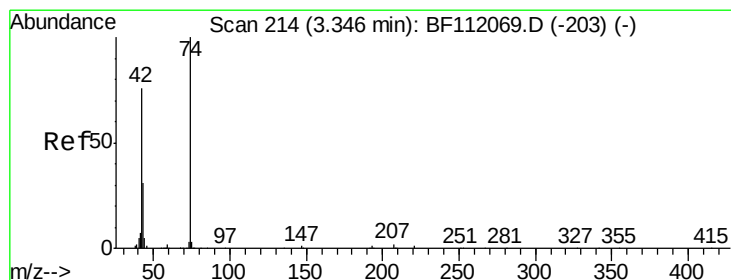
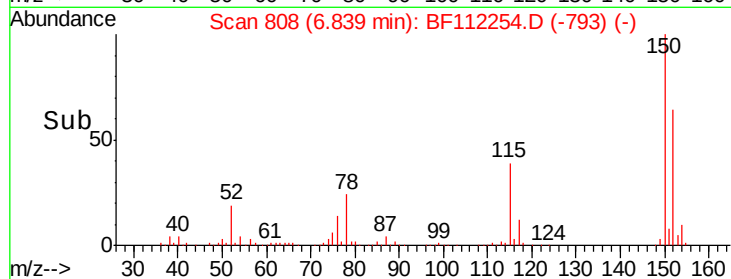
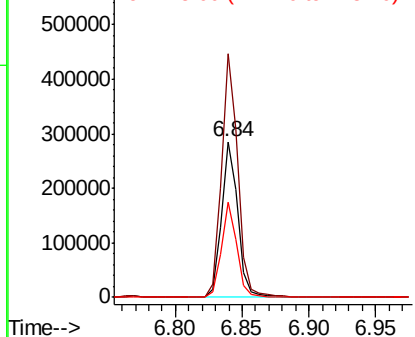
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 127.4 | 191.0 |
| 115     | 61.0  | 45.5  | 68.3  |



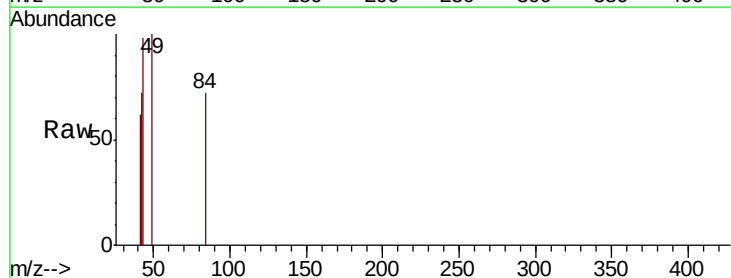
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



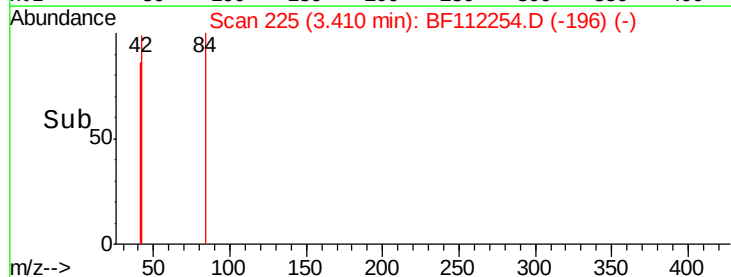
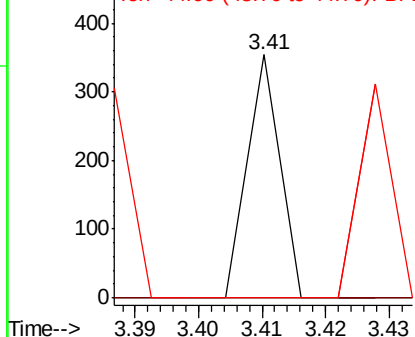
#4

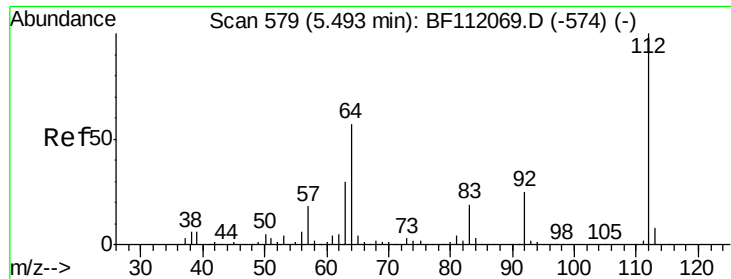
n-Nitrosodimethylamine  
Concen: 0.025 ng  
RT: 3.41 min Scan# 225  
Delta R.T. 0.07 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 105.6 | 158.4# |
| 44      | 0.0   | 5.4   | 8.2#   |



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 150.761 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

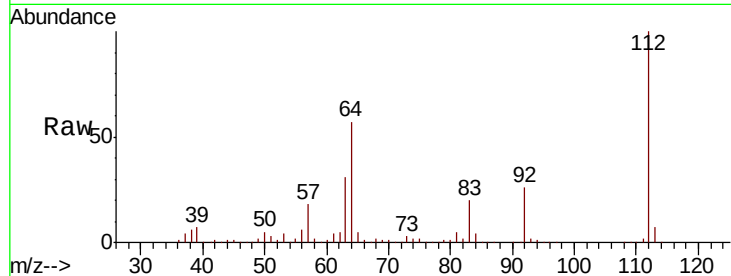
Tgt Ion: 112 Resp: 1755353

Ion Ratio Lower Upper

112 100

64 57.4 45.7 68.5

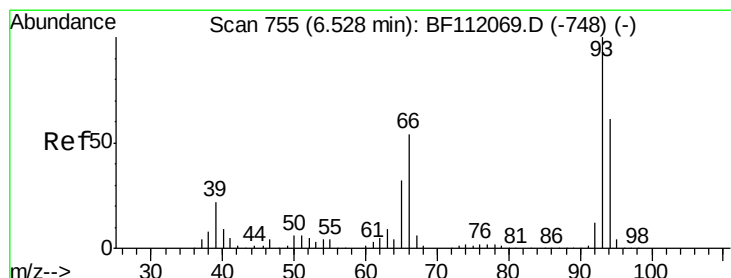
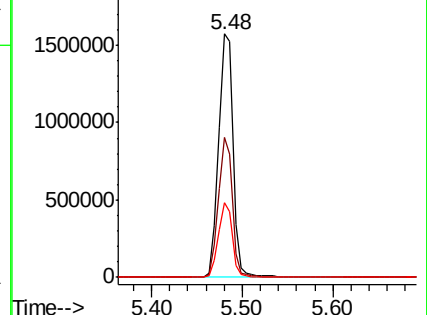
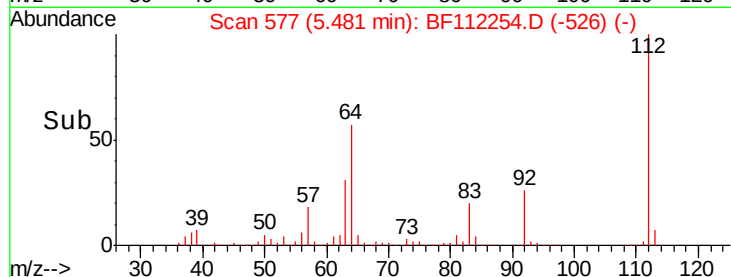
63 30.7 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.177 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

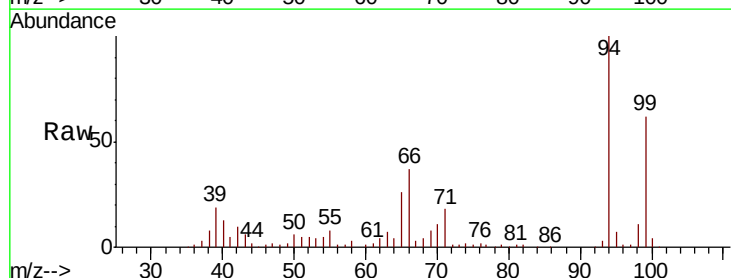
Tgt Ion: 93 Resp: 3398

Ion Ratio Lower Upper

93 100

66 1458.0 43.4 65.2#

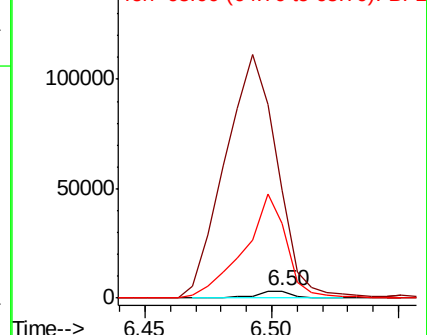
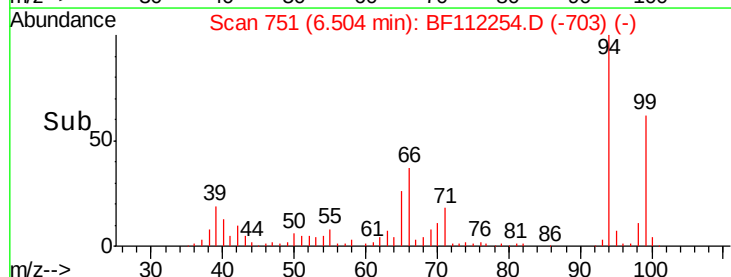
65 1011.4 25.3 37.9#

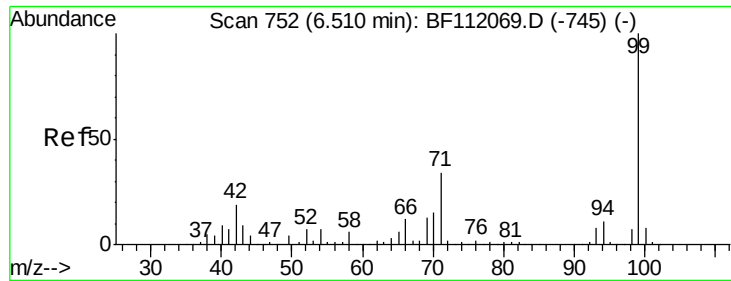


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 149.779 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

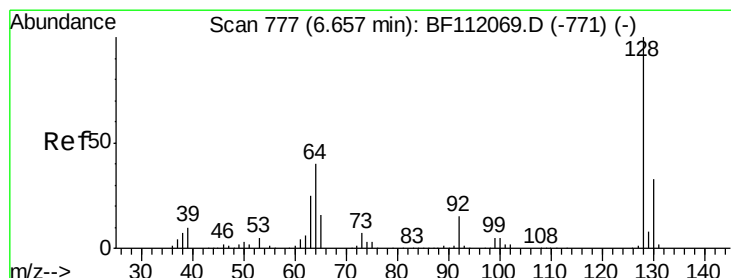
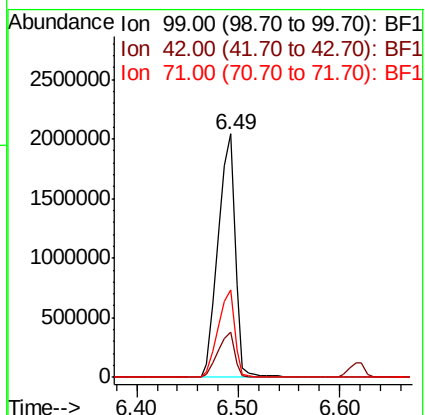
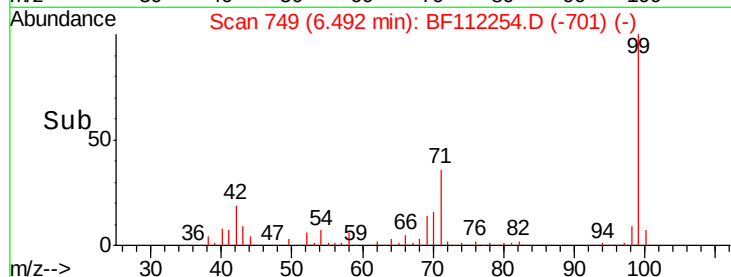
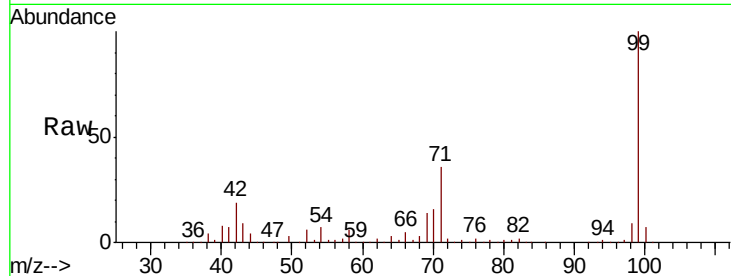
Tgt Ion: 99 Resp: 2423268

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

71 36.0 26.9 40.3



#8

2-Chlorophenol

Concen: 0.060 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

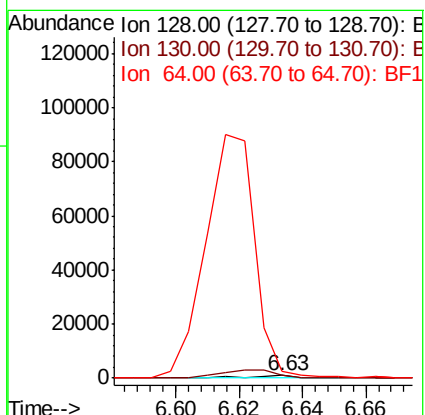
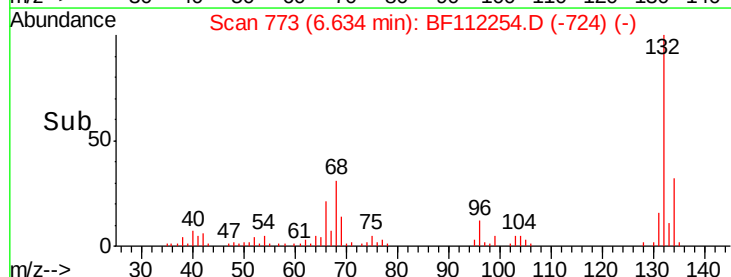
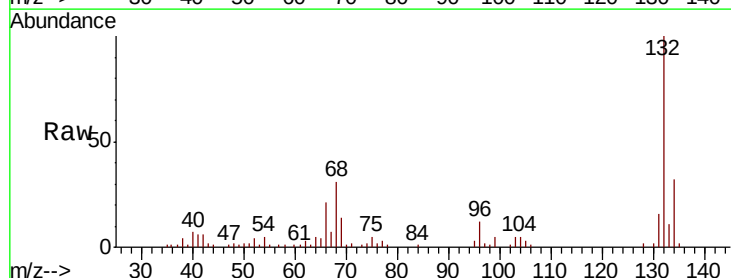
Tgt Ion: 128 Resp: 939

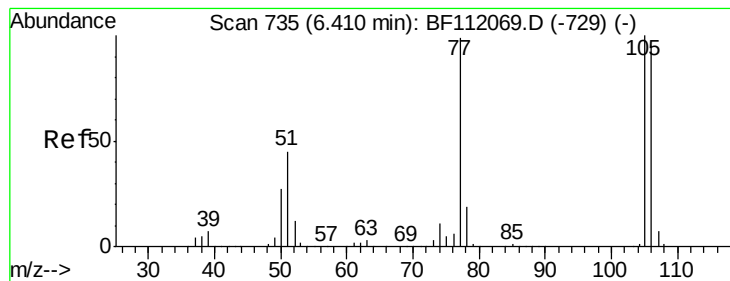
Ion Ratio Lower Upper

128 100

130 102.3 13.4 53.4#

64 261.6 20.5 60.5#





#9

Benzaldehyde

Concen: 0.556 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.09 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

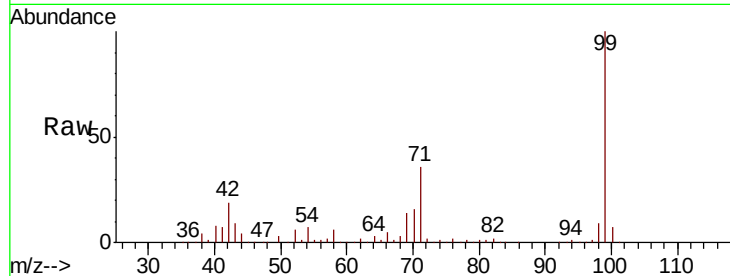
Tgt Ion: 77 Resp: 4699

Ion Ratio Lower Upper

77 100

105 0.0 80.8 120.8#

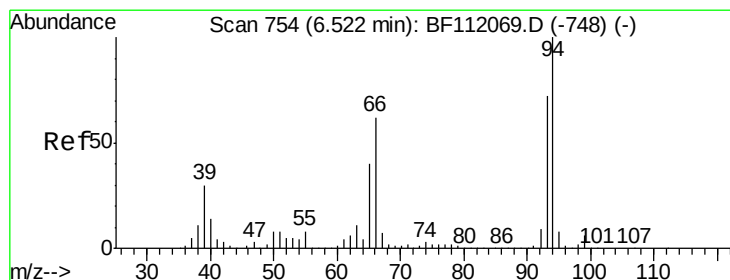
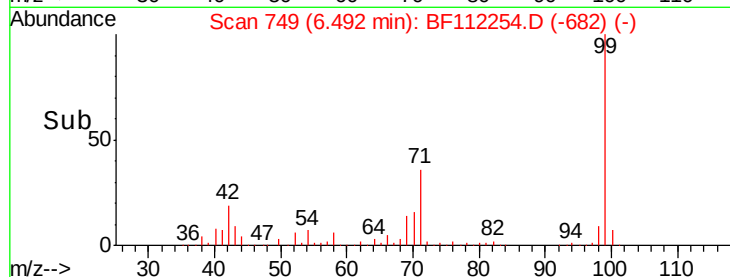
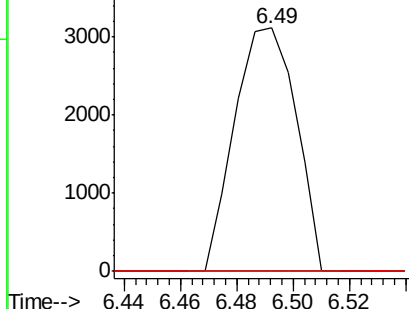
106 0.0 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 7.159 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

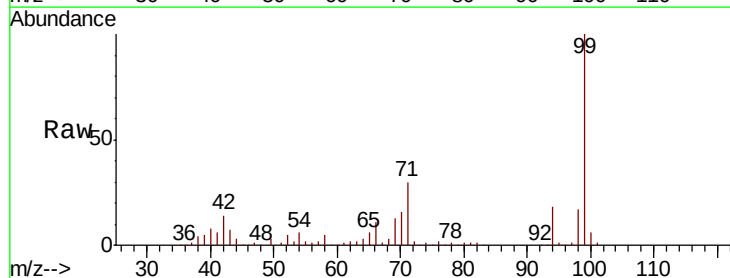
Tgt Ion: 94 Resp: 127079

Ion Ratio Lower Upper

94 100

65 34.4 20.3 60.3

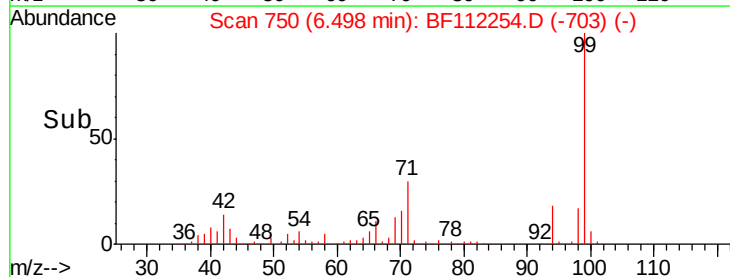
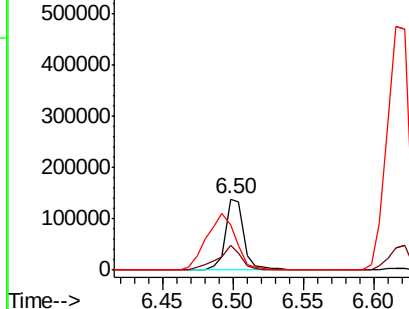
66 63.4 42.4 82.4

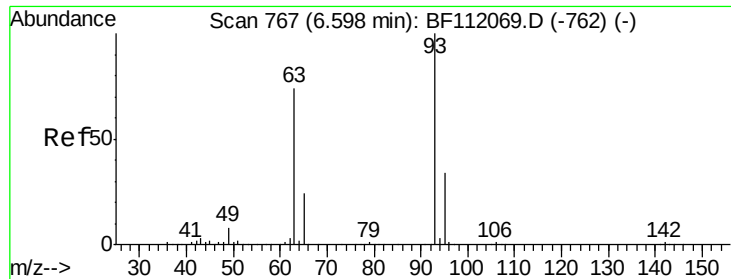


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

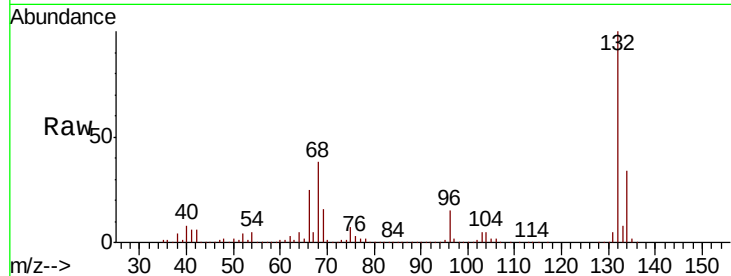




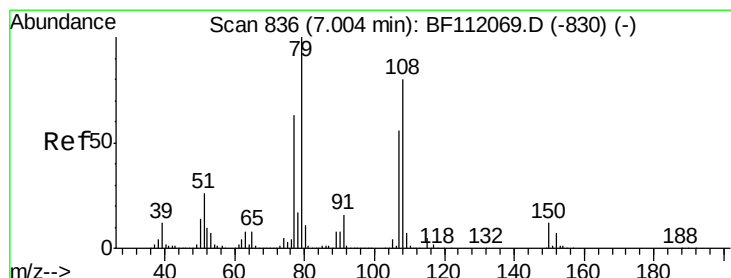
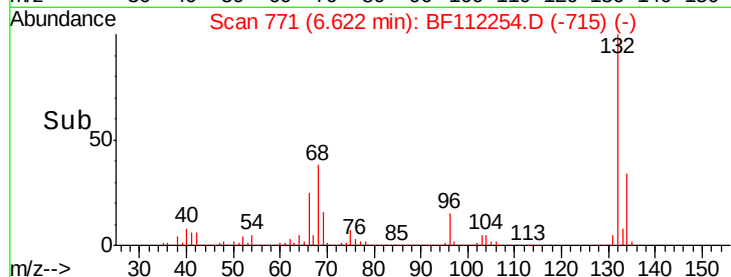
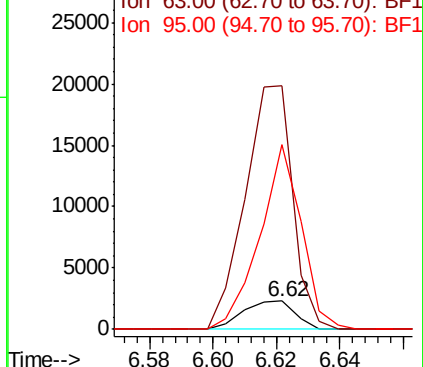
#11  
bis(2-Chloroethyl)ether  
Concen: 0.188 ng  
RT: 6.62 min Scan# 771  
Delta R.T. 0.03 min  
Lab File: BF112254.D  
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Instrument :  
BNA\_F  
ClientSampled :  
WWB-4

Tgt Ion: 93 Resp: 2621  
Ion Ratio Lower Upper  
93 100  
63 853.3 53.3 93.3#  
95 645.8 13.4 53.4#

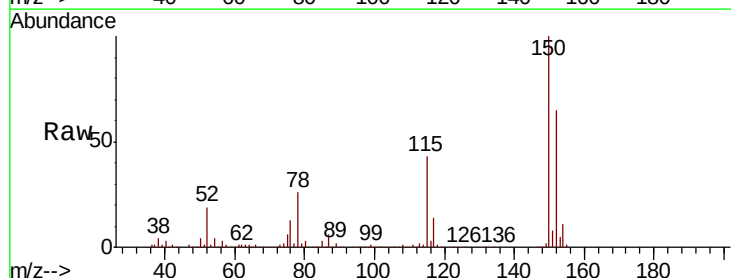


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

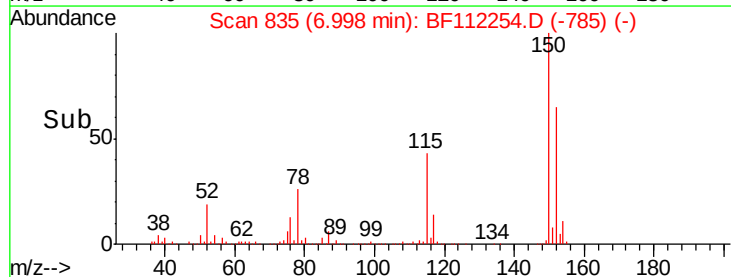
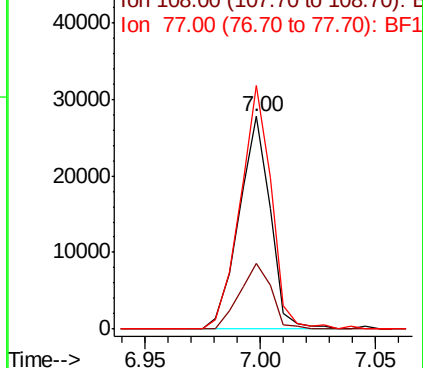


#15  
Benzyl Alcohol  
Concen: 1.919 ng  
RT: 7.00 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

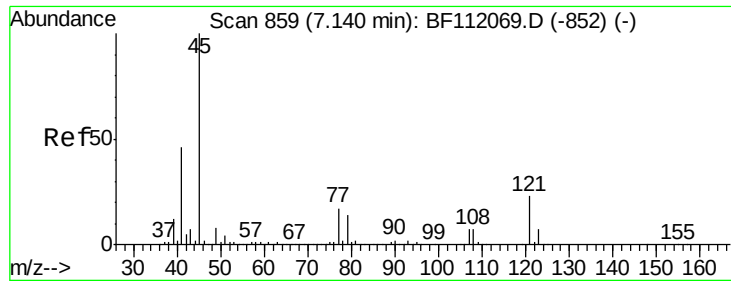
Tgt Ion: 79 Resp: 26176  
Ion Ratio Lower Upper  
79 100  
108 31.1 64.2 96.2#  
77 114.7 50.3 75.5#



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



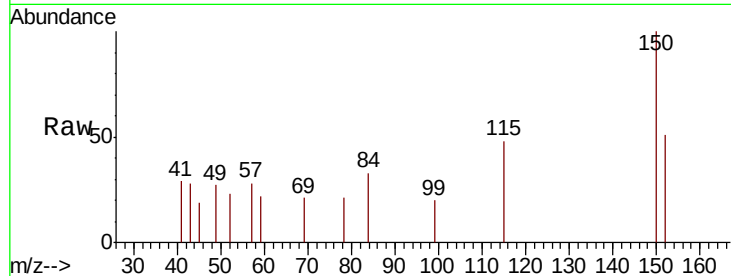




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.006 ng  
RT: 7.09 min Scan# 851  
Delta R.T. -0.04 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 107   |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 77       | 0.0   | 0.0   | 36.9  |
| 79       | 0.0   | 0.0   | 34.0  |

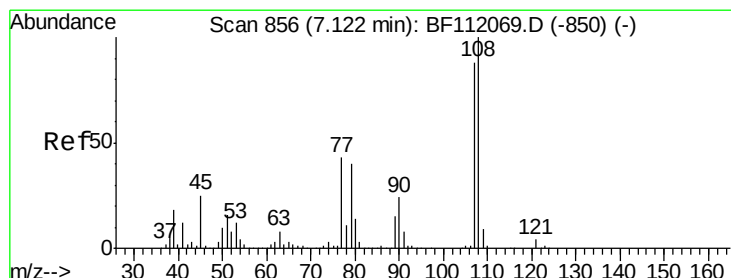
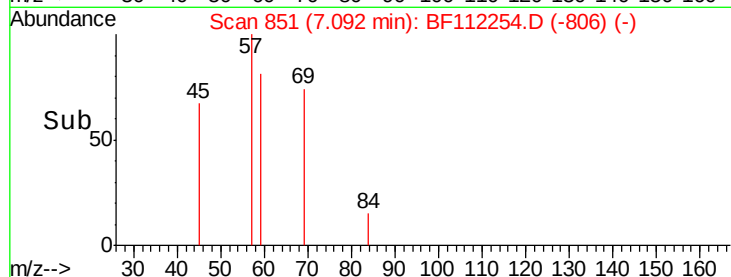
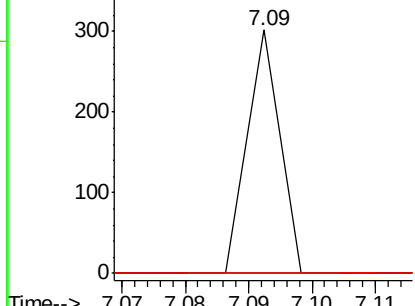


Abundance

Ion 45.00 (44.70 to 45.70): BF1

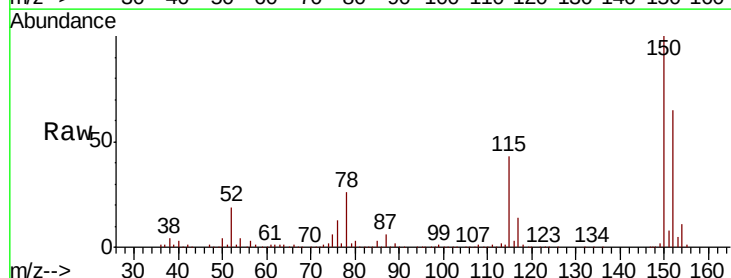
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#17  
2-Methylphenol  
Concen: 0.040 ng  
RT: 7.00 min Scan# 835  
Delta R.T. -0.12 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 107    | Resp: | 494    |
| Ion      | Ratio  | Lower | Upper  |
| 107      | 100    |       |        |
| 108      | 1678.8 | 91.3  | 136.9# |
| 77       | 6182.1 | 39.0  | 58.6#  |
| 79       | 5391.4 | 37.0  | 55.4#  |



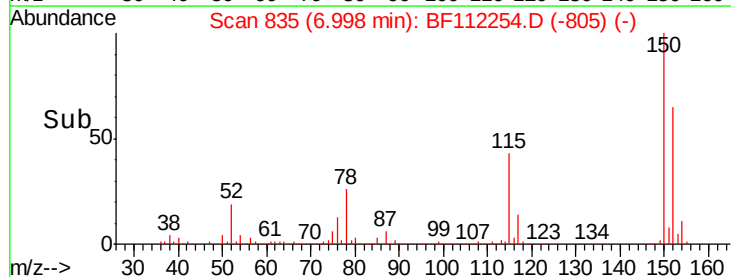
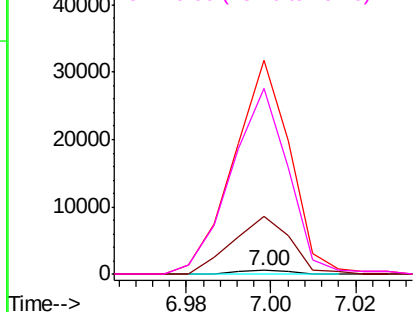
Abundance

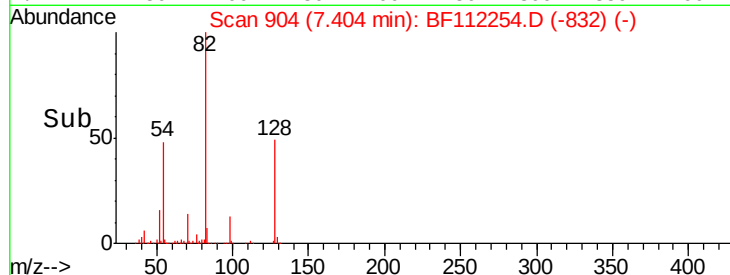
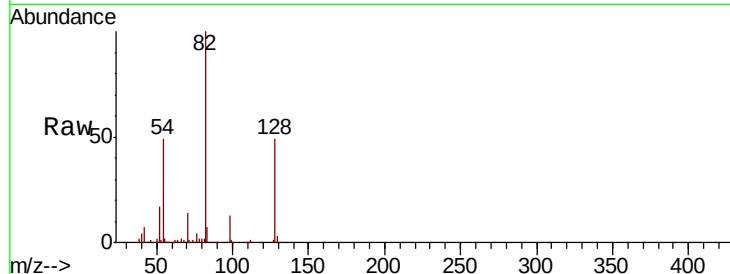
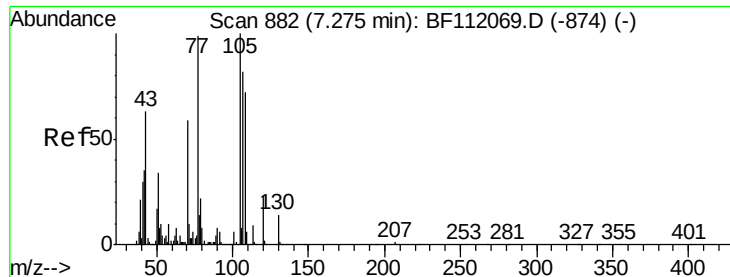
Ion 107.00 (106.70 to 107.70): E

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

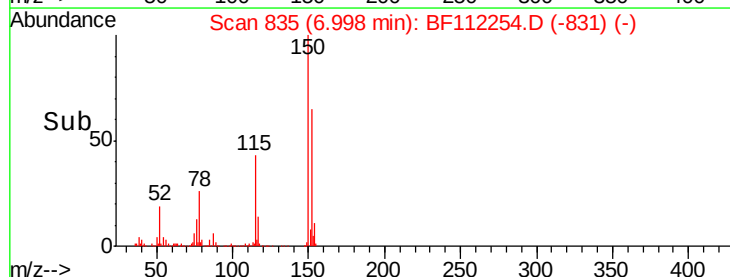
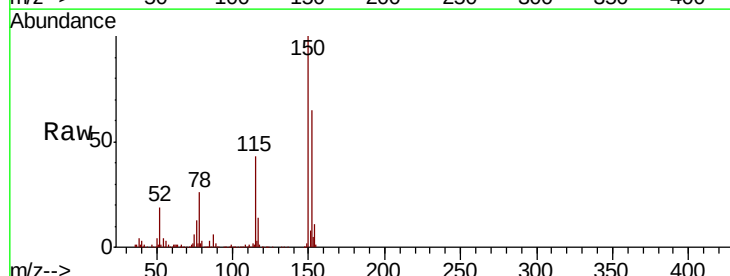
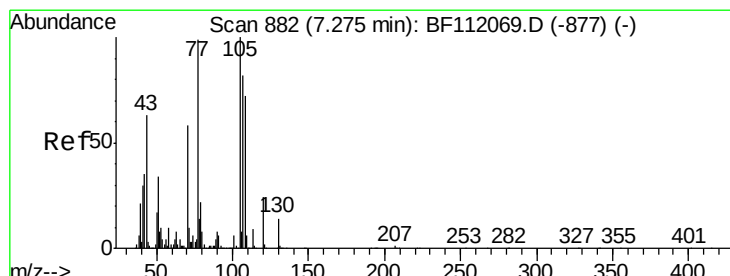
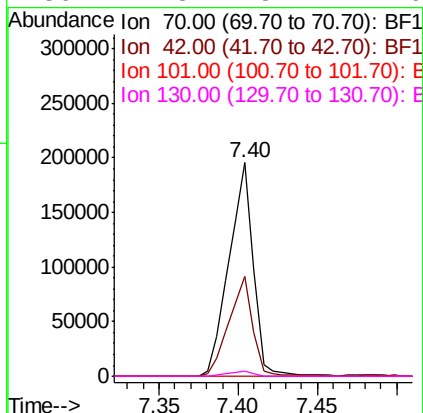




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.706 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.12 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

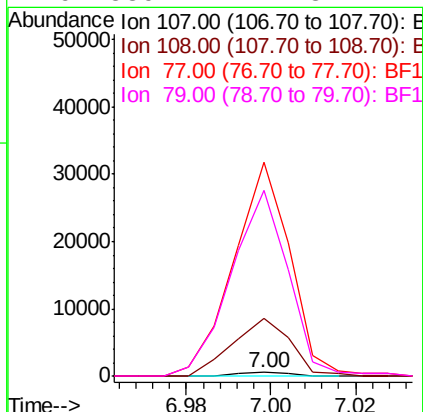
Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

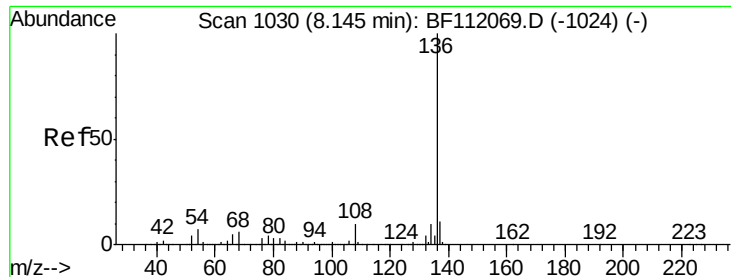
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 208686 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.8  | 47.6  | 71.4#  |
| 101      | 0.0   | 7.9   | 11.9#  |
| 130      | 2.3   | 18.4  | 27.6#  |



#20  
3+4-Methylphenols  
Concen: 0.031 ng  
RT: 7.00 min Scan# 835  
Delta R.T. -0.28 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 107    | Resp: | 494    |
| Ion      | Ratio  | Lower | Upper  |
| 107      | 100    |       |        |
| 108      | 1678.8 | 68.2  | 108.2# |
| 77       | 6182.1 | 100.7 | 140.7# |
| 79       | 5391.4 | 7.3   | 47.3#  |

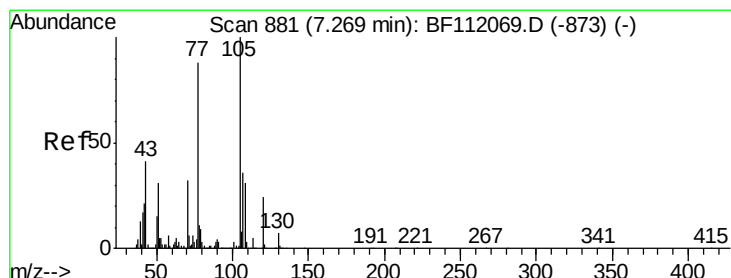
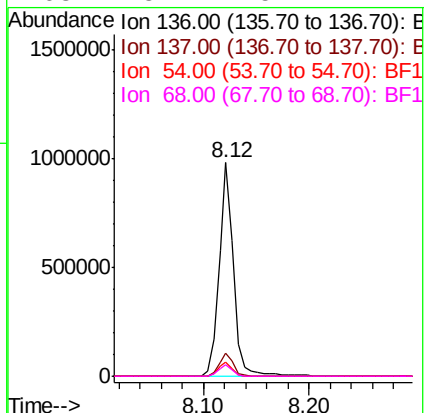
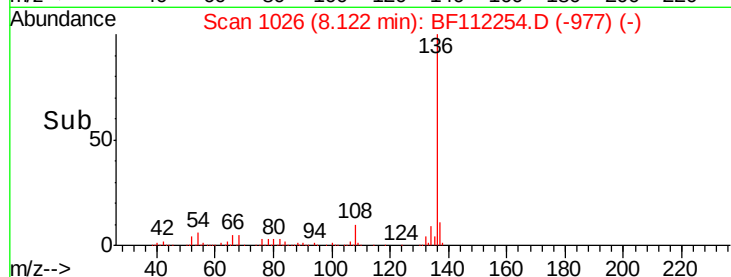
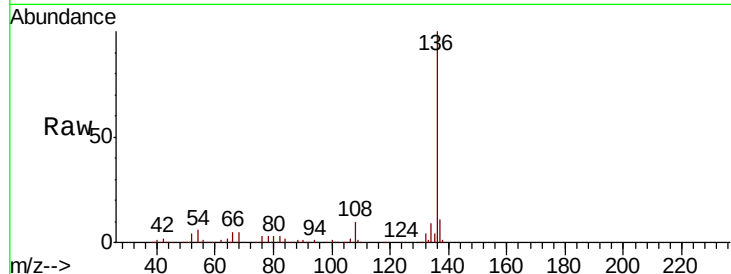




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

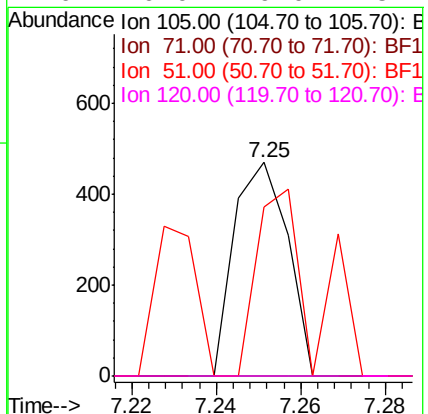
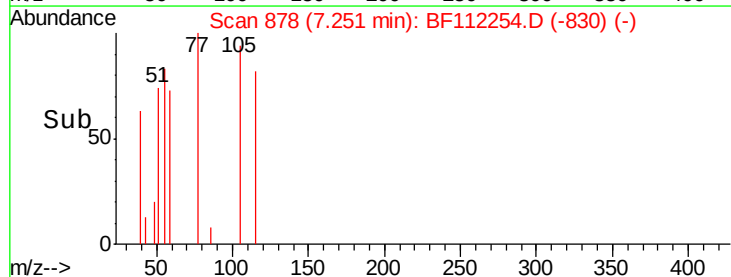
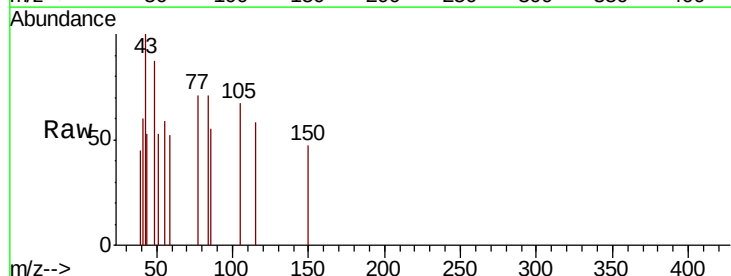
Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

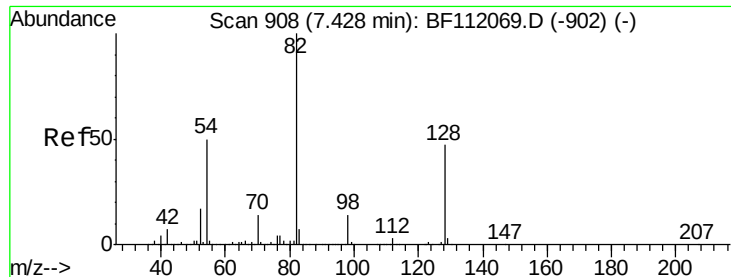
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 943834 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.1   | 13.7   |
| 54       | 6.5   | 5.9   | 8.9    |
| 68       | 5.2   | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 0.018 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 414   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.0   | 4.6   | 6.8#  |
| 51       | 79.1  | 25.0  | 37.6# |
| 120      | 0.0   | 19.0  | 28.4# |

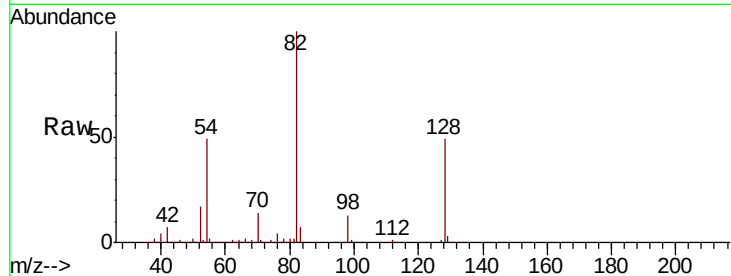




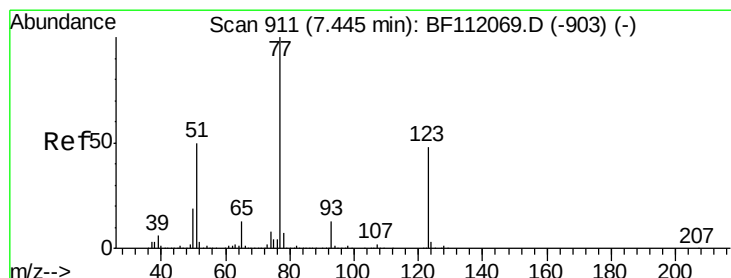
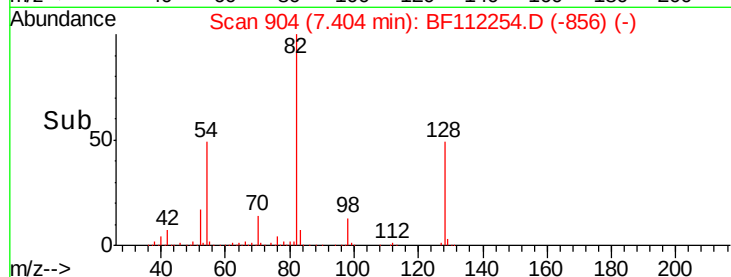
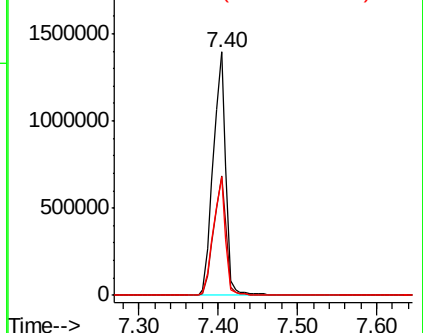
#23  
 Nitrobenzene-d5  
 Concen: 94.494 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.02 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Tgt Ion: 82 Resp: 1547842  
 Ion Ratio Lower Upper  
 82 100  
 128 49.3 37.8 56.8  
 54 48.7 39.7 59.5

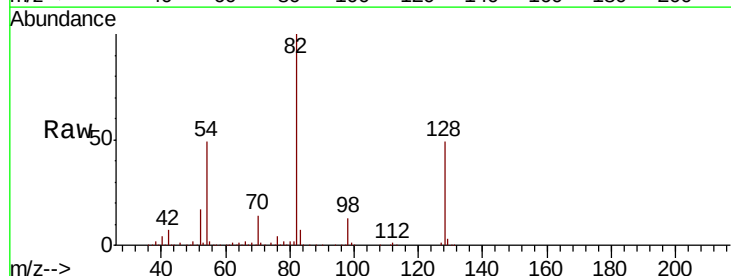


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

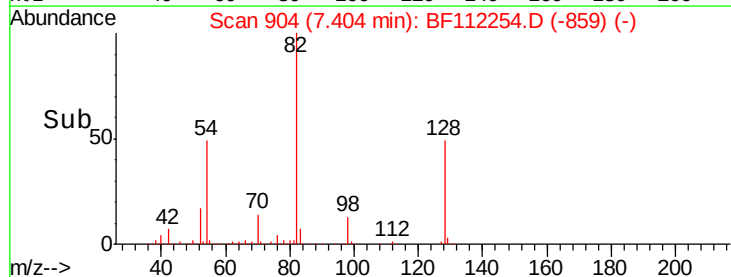
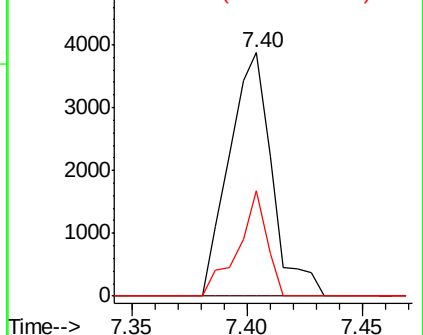


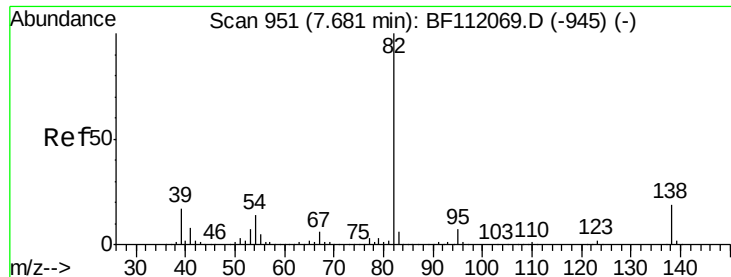
#24  
 Nitrobenzene  
 Concen: 0.305 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.04 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion: 77 Resp: 4997  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 38.4 57.6#  
 65 43.5 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 59.187 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

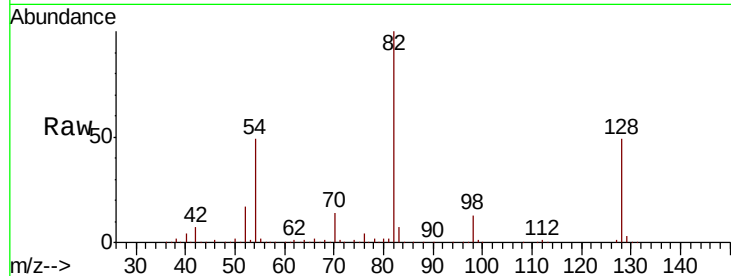
Tgt Ion: 82 Resp: 1520944

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

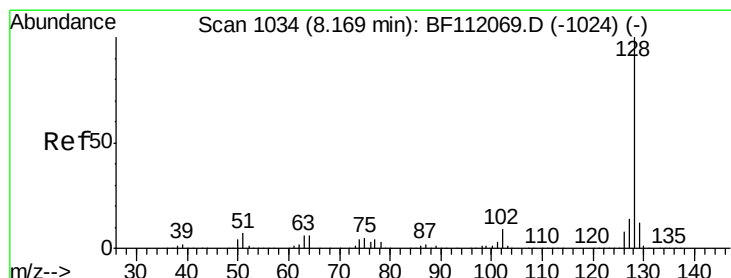
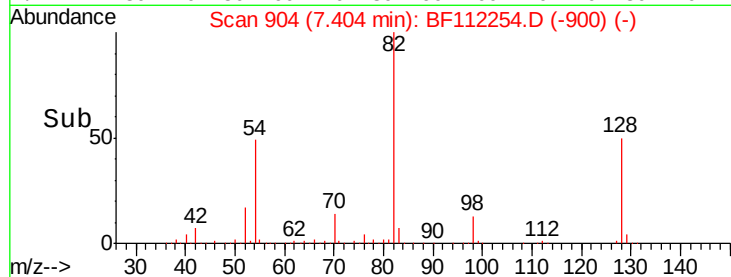
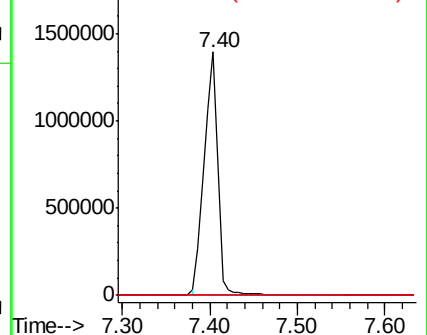
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.014 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

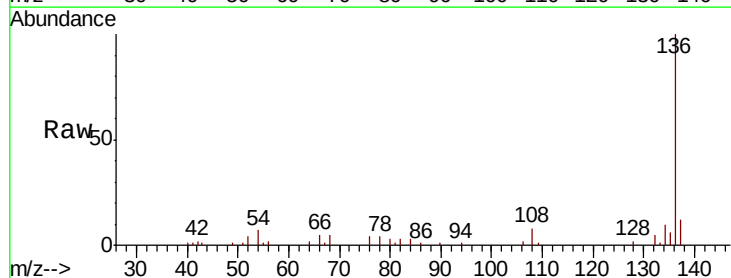
Tgt Ion: 128 Resp: 615

Ion Ratio Lower Upper

128 100

129 0.0 9.6 14.4#

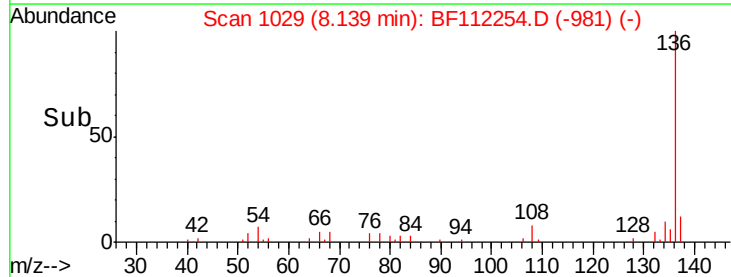
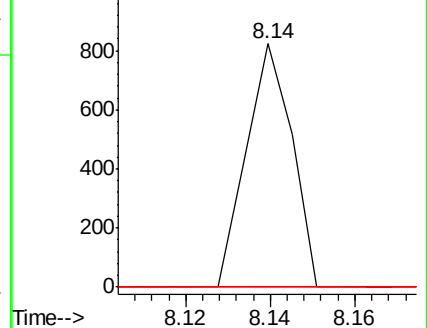
127 0.0 11.1 16.7#

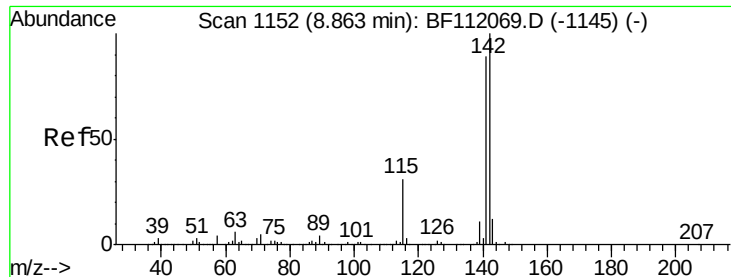


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

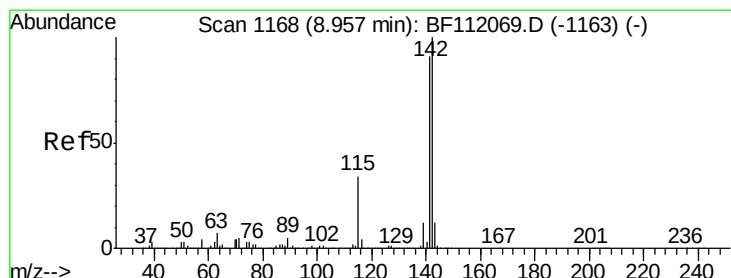
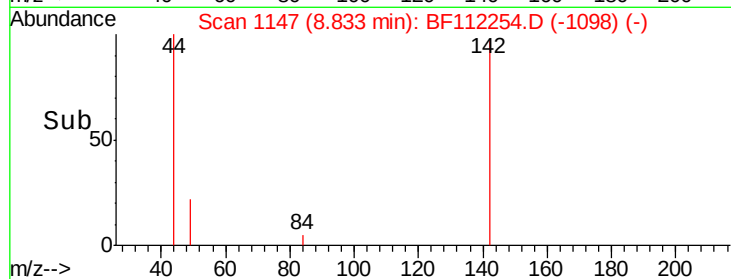
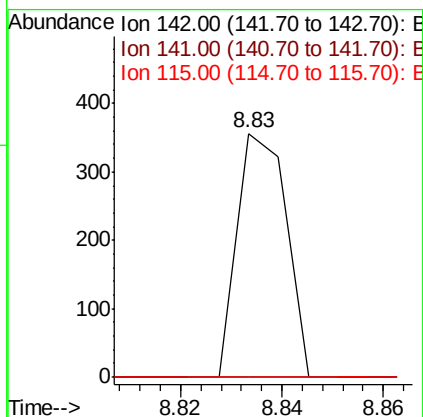
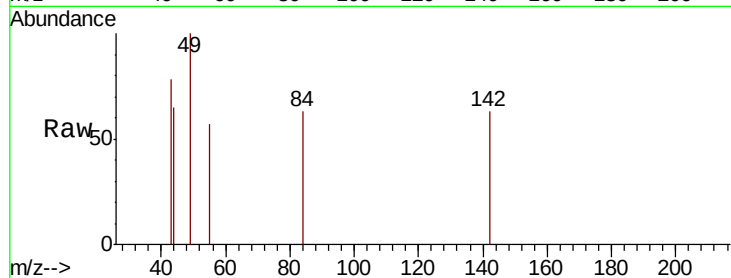




#37  
 2-Methylnaphthalene  
 Concen: 0.008 ng  
 RT: 8.83 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

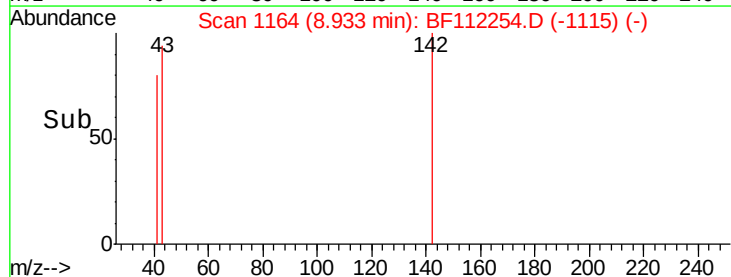
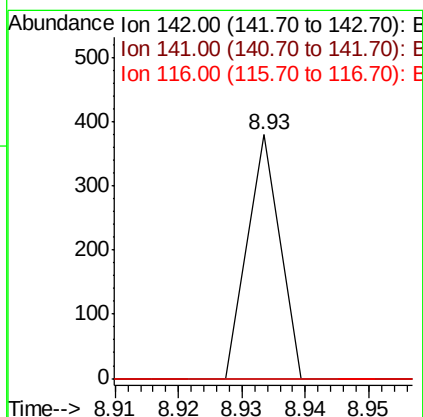
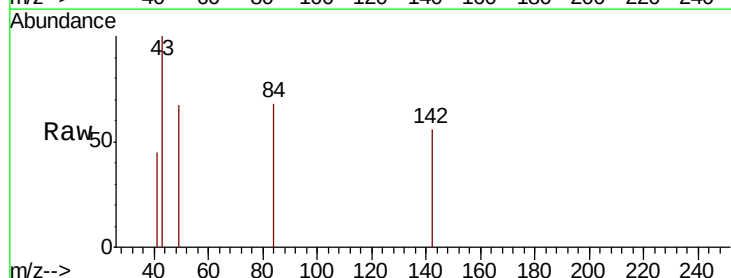
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

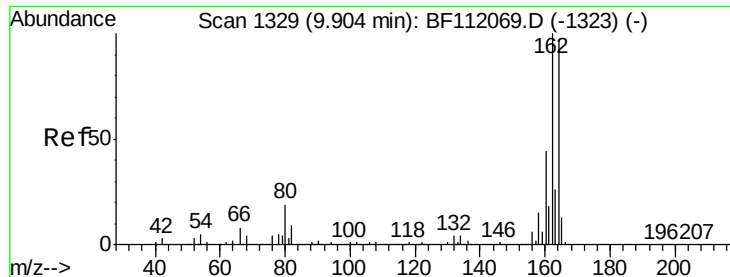
Tgt Ion:142 Resp: 239  
 Ion Ratio Lower Upper  
 142 100  
 141 0.0 70.9 106.3#  
 115 0.0 24.9 37.3#



#38  
 1-Methylnaphthalene  
 Concen: 0.005 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion:142 Resp: 134  
 Ion Ratio Lower Upper  
 142 100  
 141 0.0 72.6 108.8#  
 116 0.0 2.8 4.2#

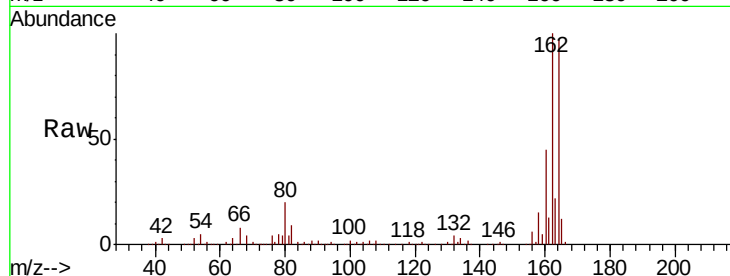




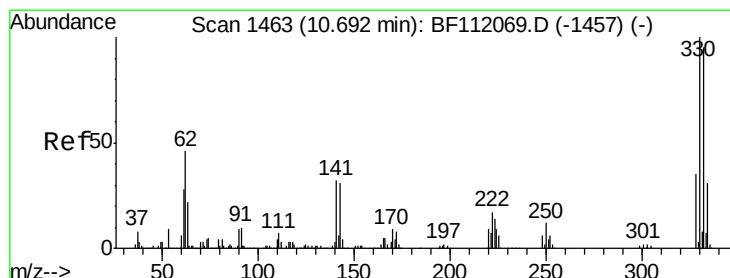
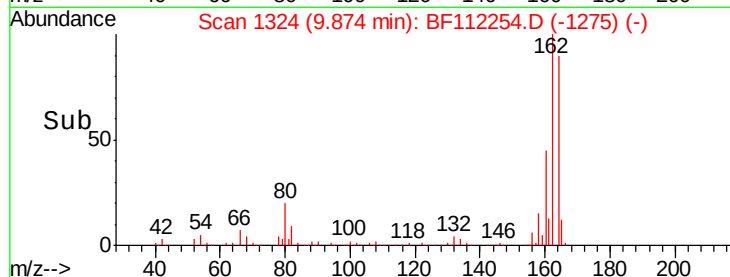
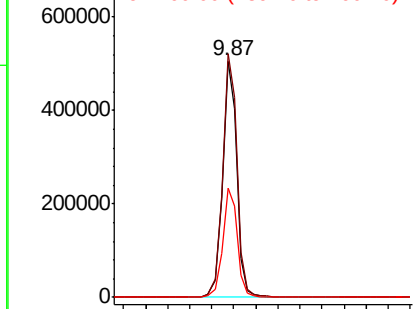
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

Tgt Ion:164 Resp: 452583  
Ion Ratio Lower Upper  
164 100  
162 103.0 82.2 123.4  
160 46.3 36.2 54.4

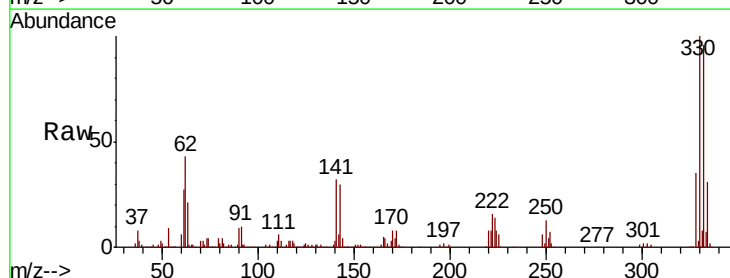


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

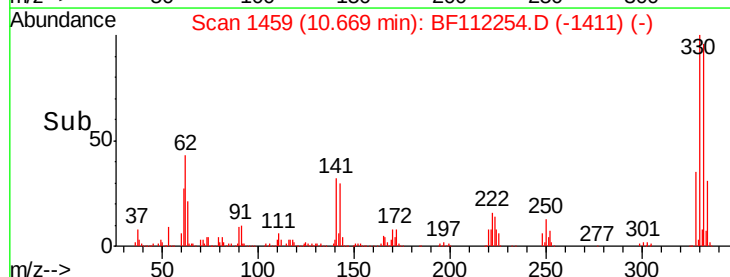
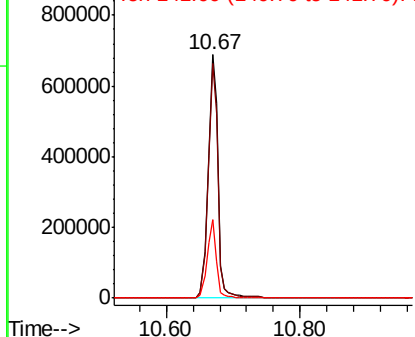


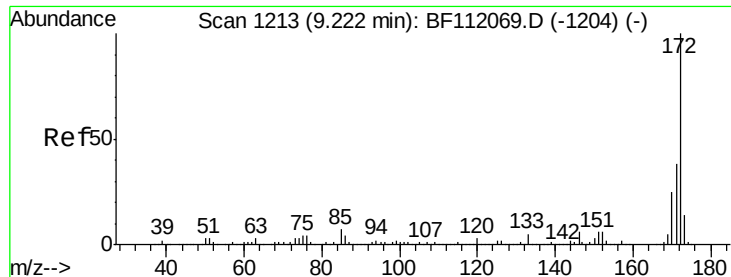
#42  
2,4,6-Tribromophenol  
Concen: 134.475 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. -0.02 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Tgt Ion:330 Resp: 708404  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.6 114.8  
141 30.0 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

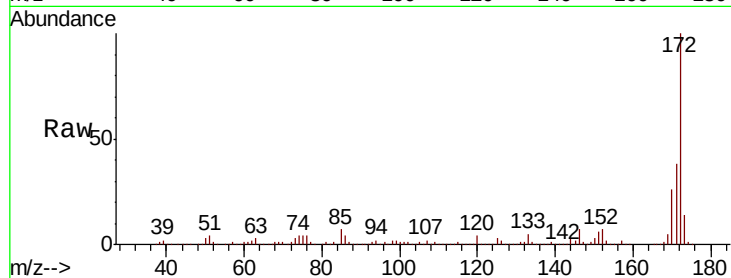




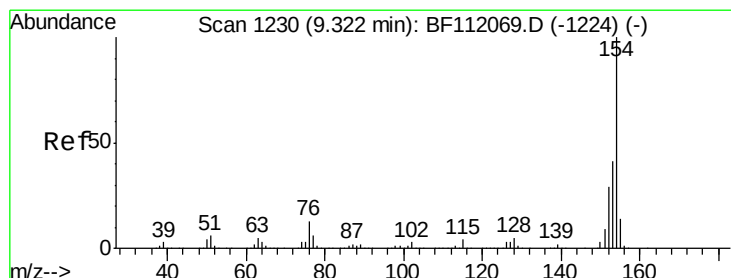
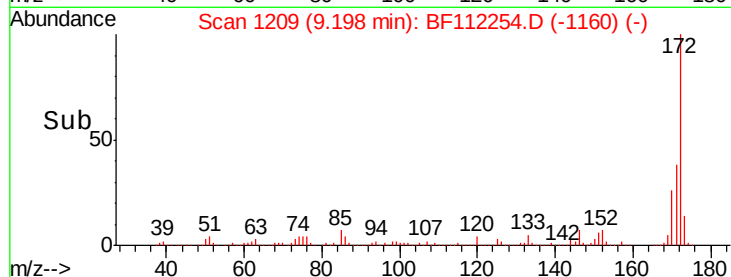
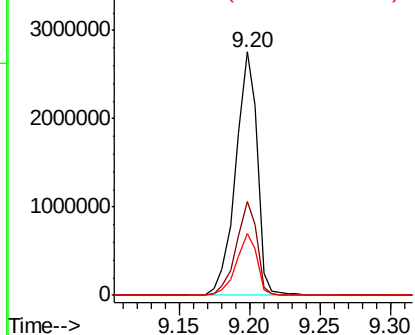
#45  
 2-Fluorobiphenyl  
 Concen: 91.669 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Tgt Ion:172 Resp: 2933371  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 30.5 45.7  
 170 25.5 20.2 30.4

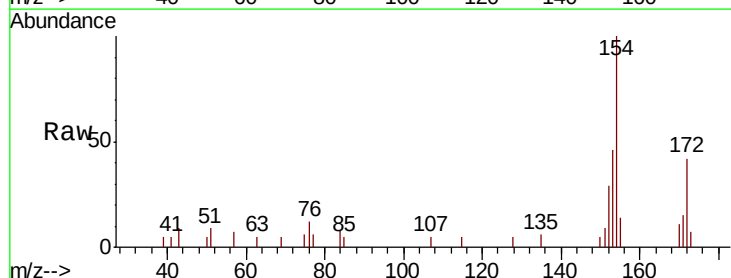


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

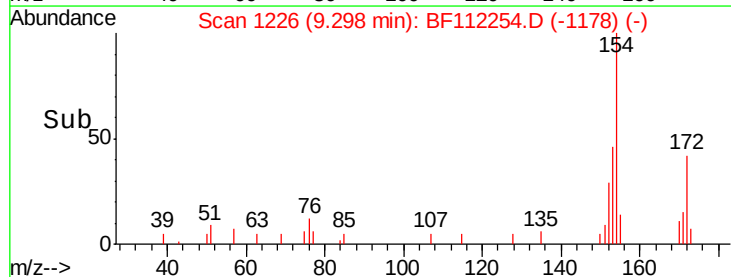
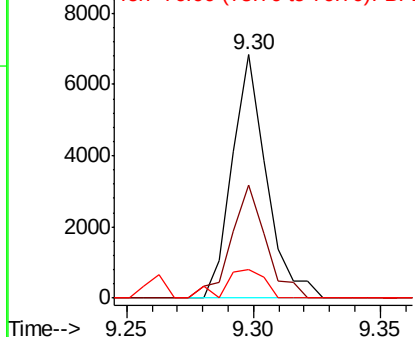


#46  
 1,1'-Biphenyl  
 Concen: 0.162 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.02 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

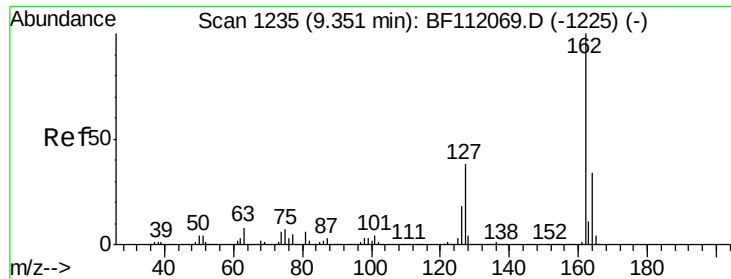
Tgt Ion:154 Resp: 6418  
 Ion Ratio Lower Upper  
 154 100  
 153 46.4 21.5 61.5  
 76 11.6 0.0 33.1



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



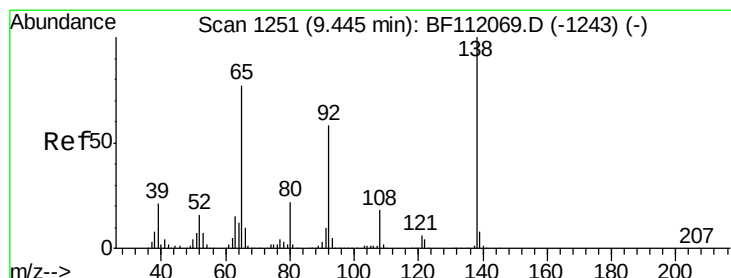
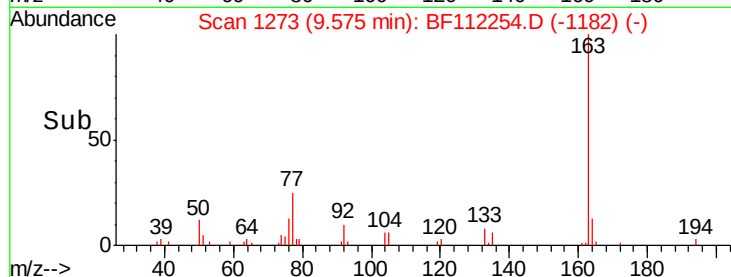
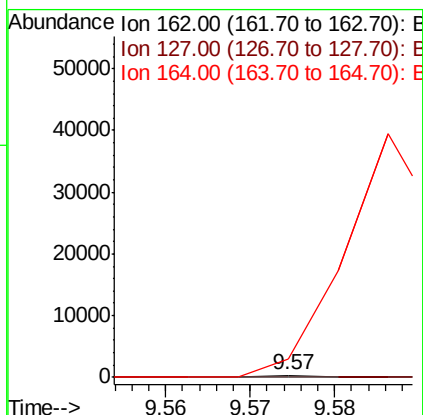
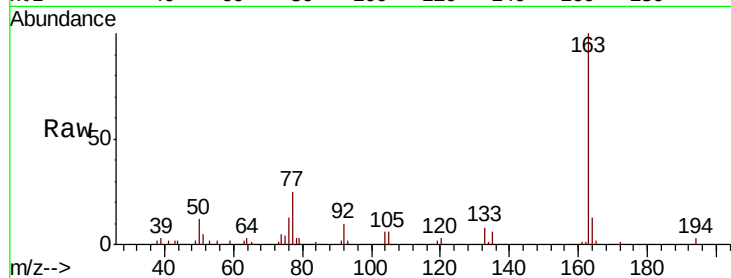




#47  
 2-Chloronaphthalene  
 Concen: 0.004 ng  
 RT: 9.57 min Scan# 1273  
 Delta R.T. 0.24 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

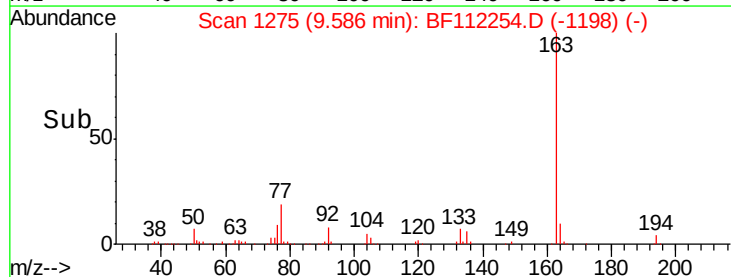
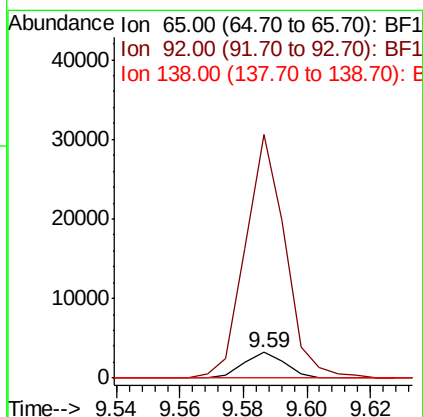
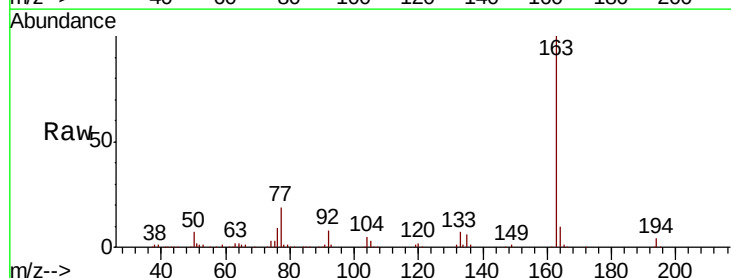
Instrument :  
 BNA\_F  
 ClientSampled :  
 WWB-4

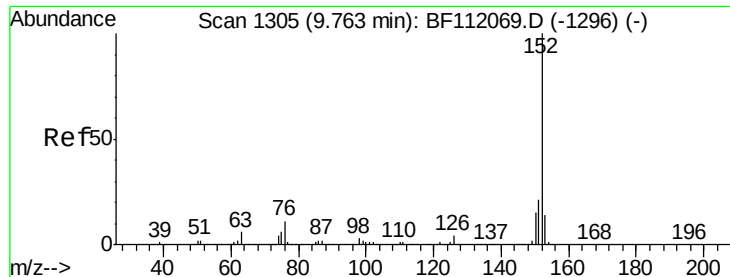
Tgt Ion: 162 Resp: 124  
 Ion Ratio Lower Upper  
 162 100  
 127 0.0 30.4 45.6#  
 164 874.3 27.4 41.2#



#48  
 2-Nitroaniline  
 Concen: 0.347 ng  
 RT: 9.59 min Scan# 1275  
 Delta R.T. 0.15 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion: 65 Resp: 2906  
 Ion Ratio Lower Upper  
 65 100  
 92 944.5 60.4 90.6#  
 138 0.0 104.4 156.6#





#49

Acenaphthylene

Concen: 0.003 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.15 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

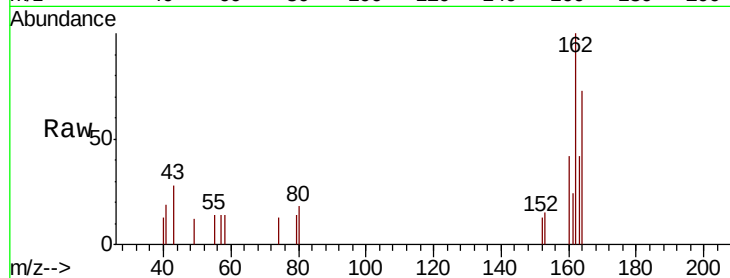
Tgt Ion:152 Resp: 114

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.6#

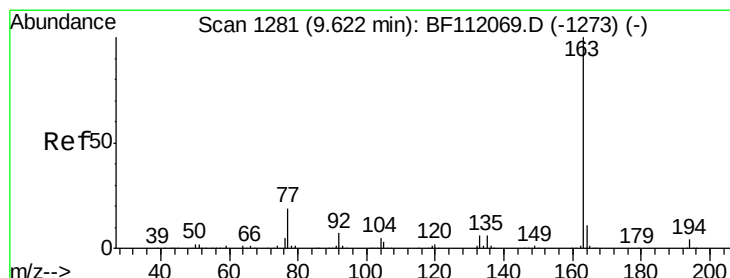
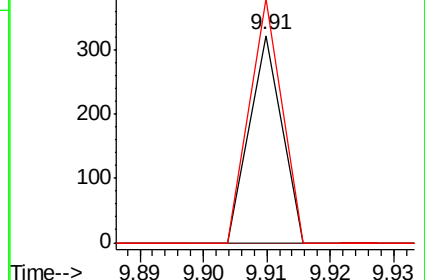
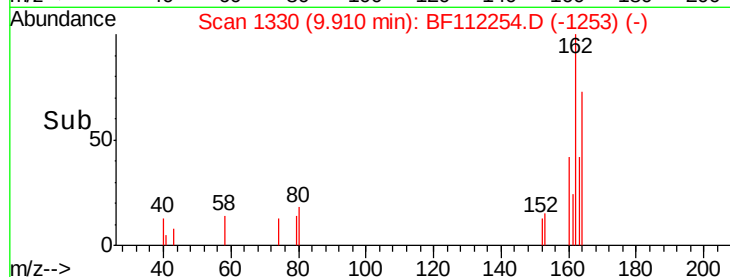
153 117.7 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.678 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.03 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

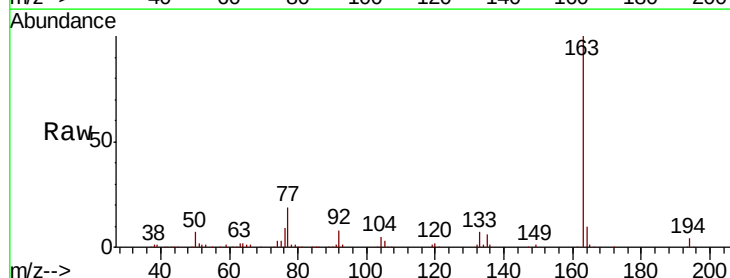
Tgt Ion:163 Resp: 340324

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

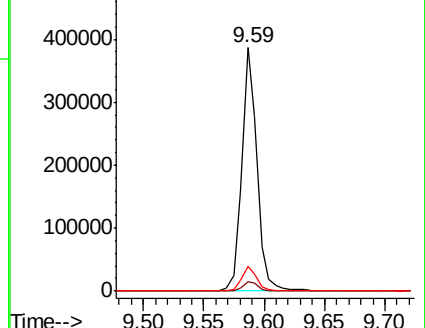
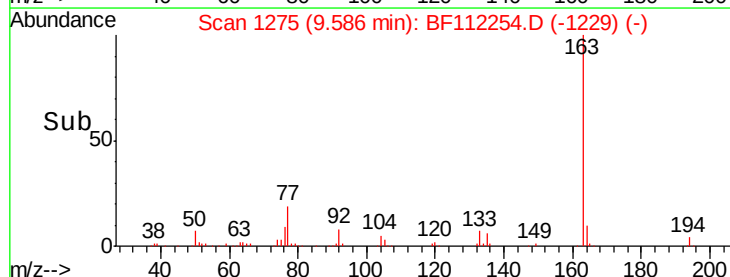
164 10.2 8.5 12.7

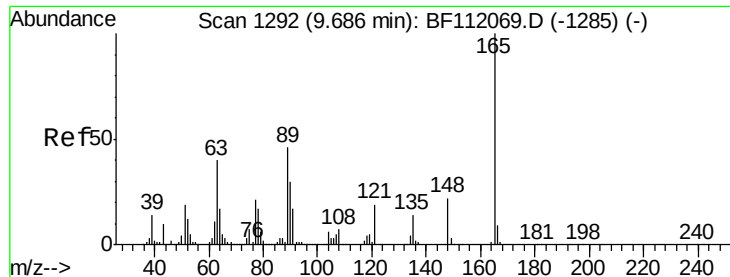


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

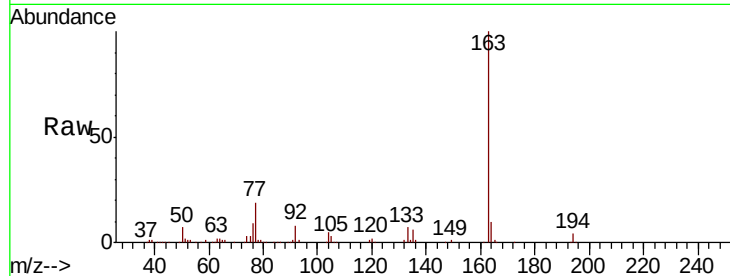




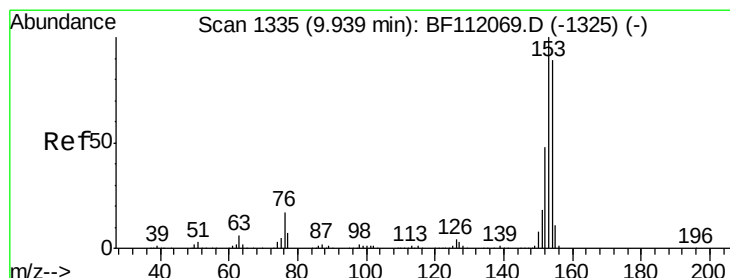
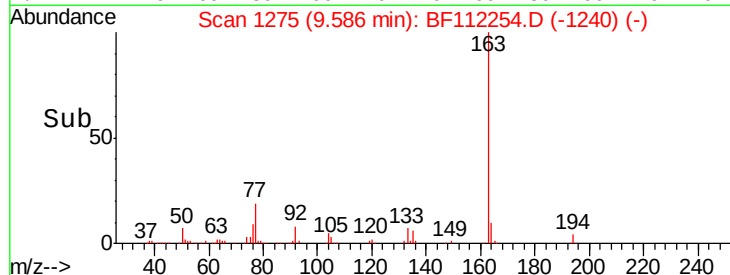
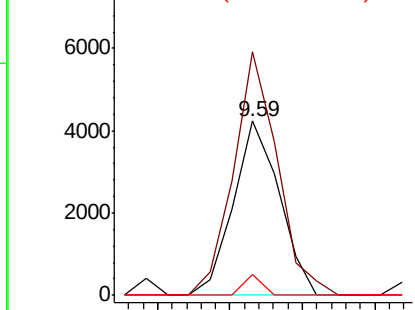
#51  
 2,6-Dinitrotoluene  
 Concen: 0.476 ng  
 RT: 9.59 min Scan# 1275  
 Delta R.T. -0.09 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Tgt Ion:165 Resp: 3751  
 Ion Ratio Lower Upper  
 165 100  
 63 139.7 33.8 50.8#  
 89 12.0 36.9 55.3#

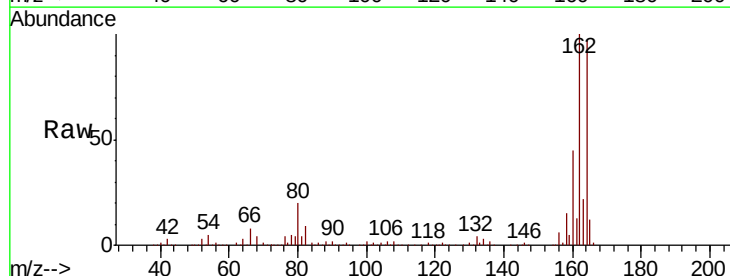


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

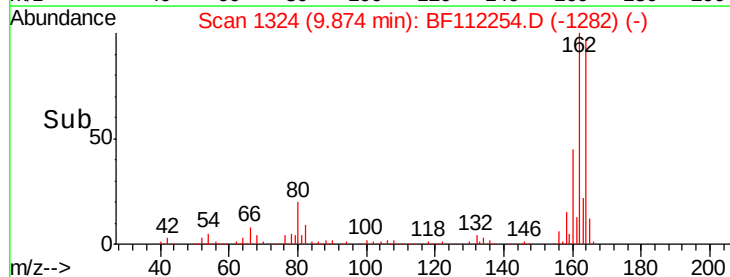
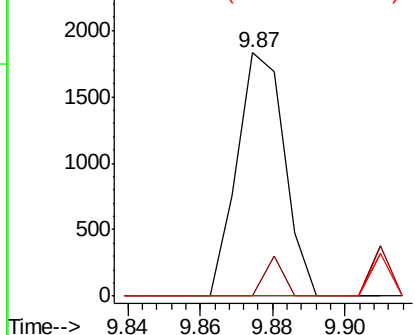


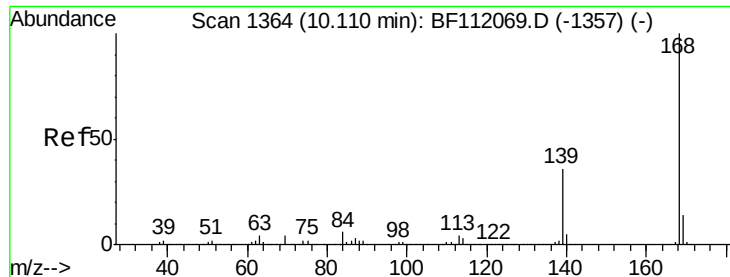
#52  
 Acenaphthene  
 Concen: 0.062 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.05 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion:154 Resp: 1676  
 Ion Ratio Lower Upper  
 154 100  
 153 0.0 89.8 134.6#  
 152 0.0 43.5 65.3#



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E

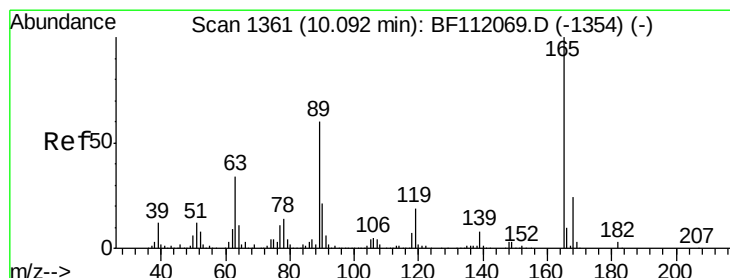
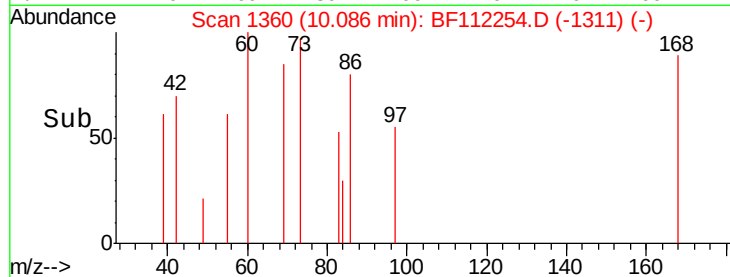
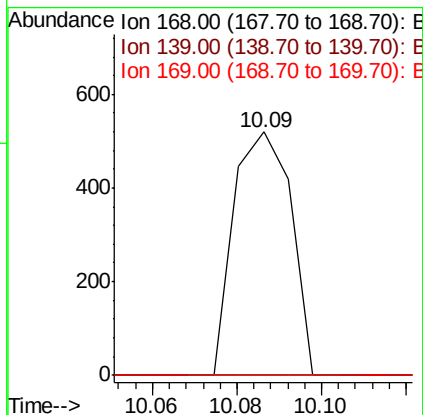
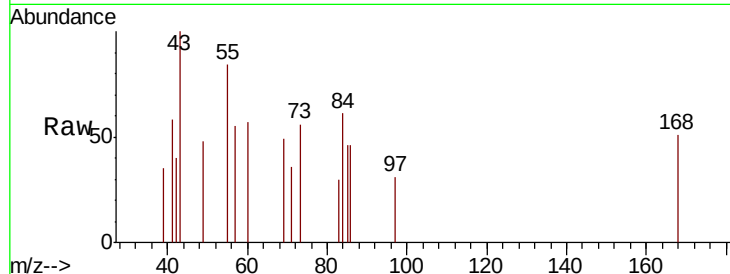




#55  
Dibenzofuran  
Concen: 0.012 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

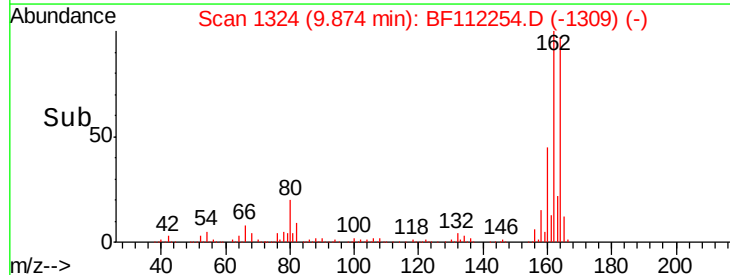
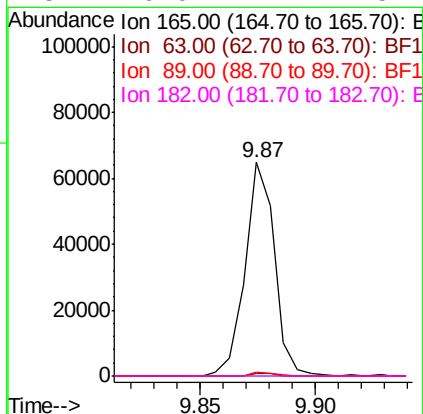
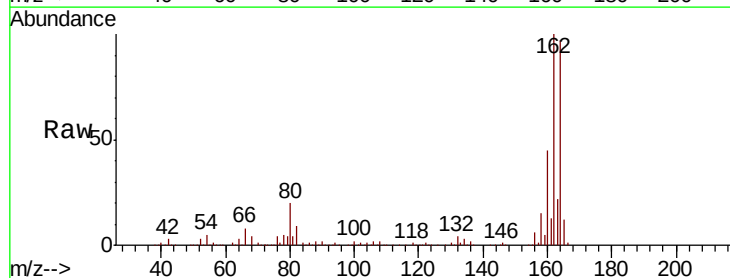
Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

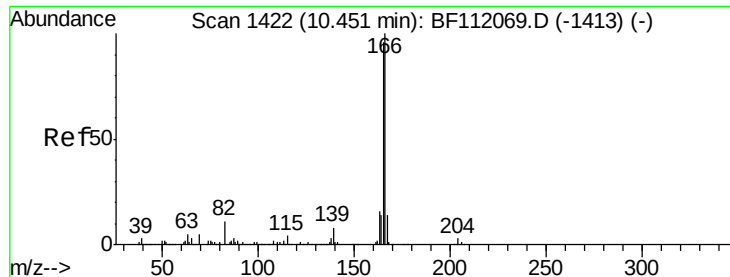
Tgt Ion:168 Resp: 489  
Ion Ratio Lower Upper  
168 100  
139 0.0 29.2 43.8#  
169 0.0 11.4 17.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.769 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.21 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Tgt Ion:165 Resp: 57837  
Ion Ratio Lower Upper  
165 100  
63 0.9 27.9 41.9#  
89 1.9 47.9 71.9#  
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 0.968 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.23 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

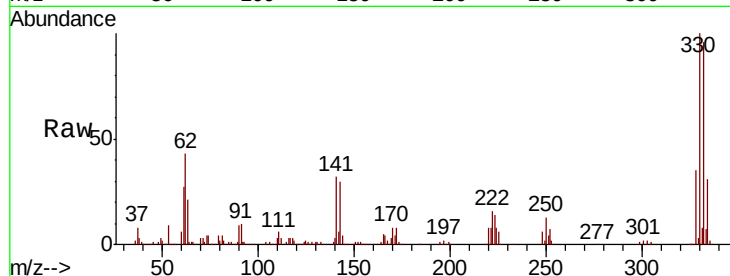
Tgt Ion:166 Resp: 29739

Ion Ratio Lower Upper

166 100

165 104.5 77.1 115.7

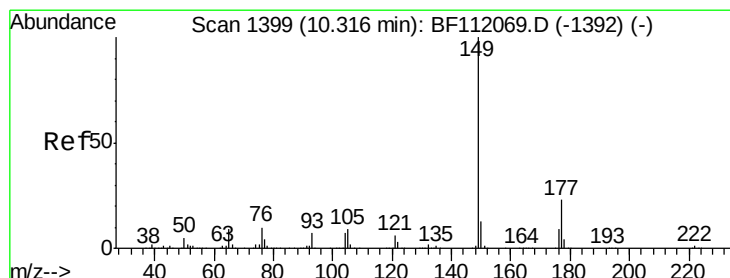
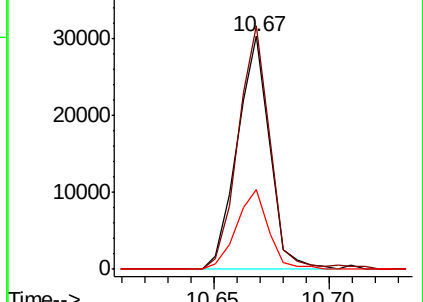
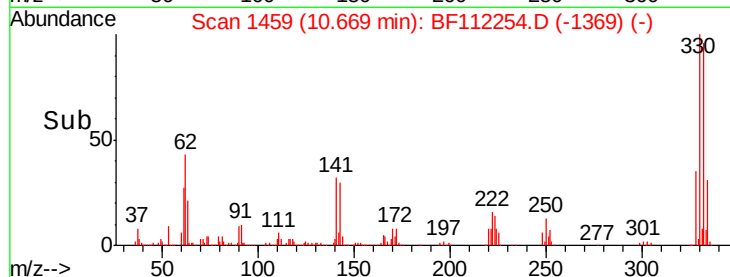
167 34.5 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.104 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

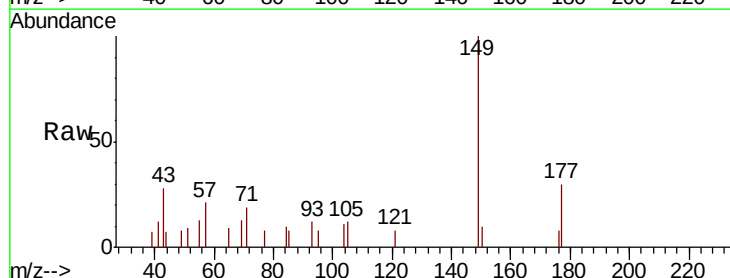
Tgt Ion:149 Resp: 3639

Ion Ratio Lower Upper

149 100

177 29.6 18.2 27.2#

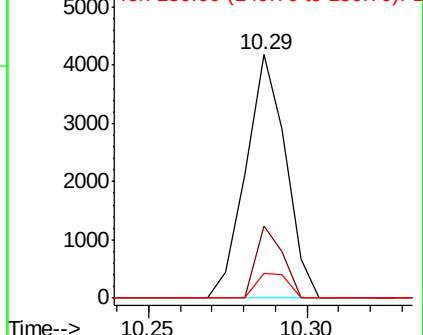
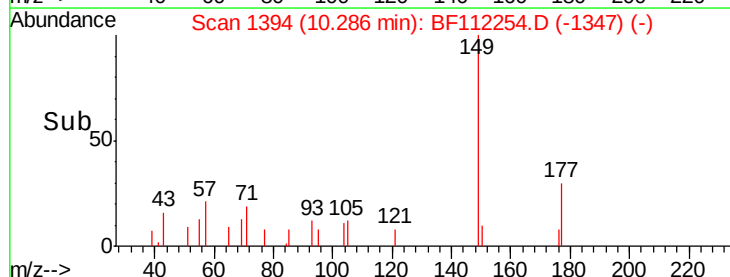
150 10.3 10.4 15.6#

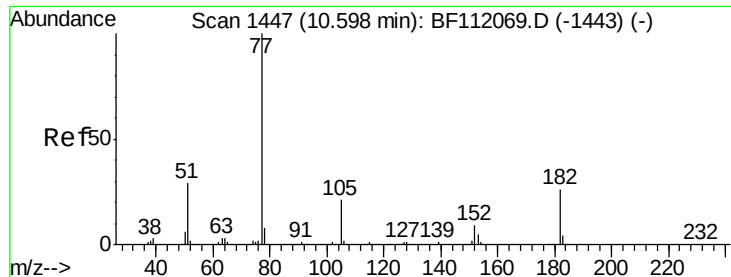


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.010 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

Tgt Ion: 77 Resp: 311

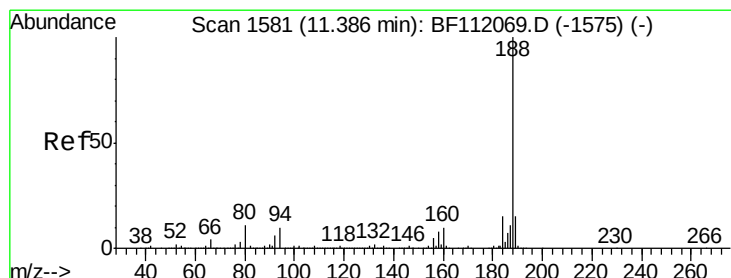
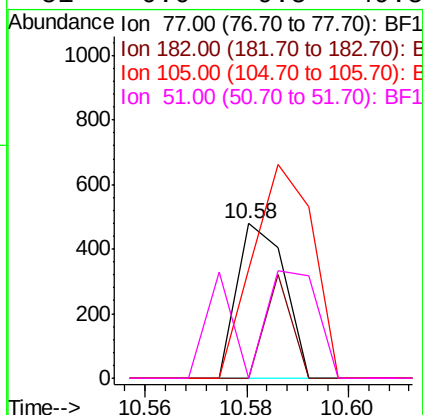
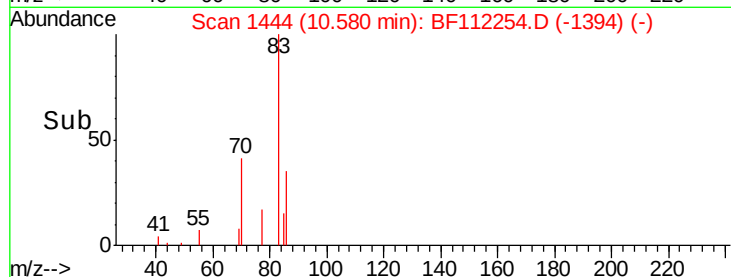
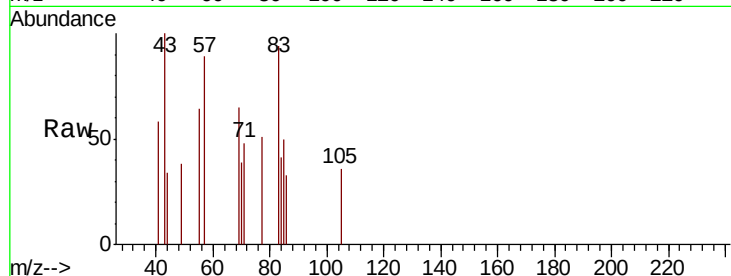
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 70.3 1.4 41.4#

51 0.0 9.5 49.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

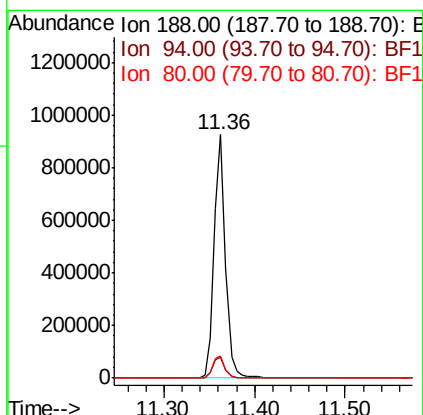
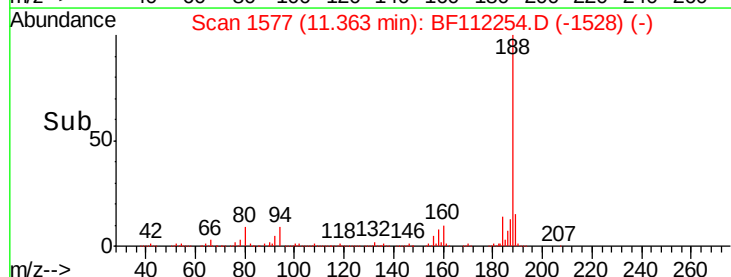
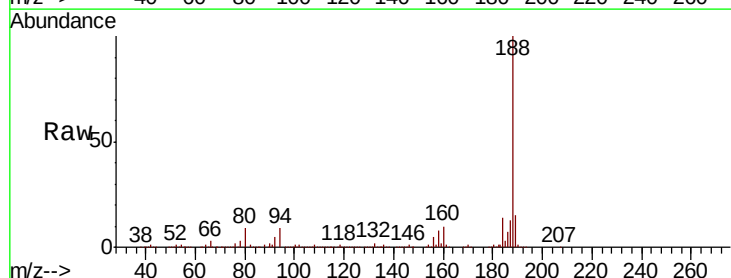
Tgt Ion: 188 Resp: 815770

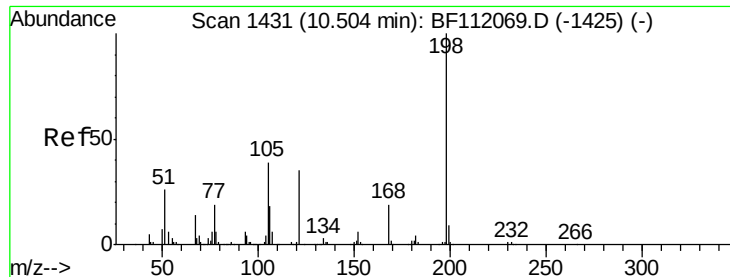
Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

80 9.2 8.9 13.3





#65

4,6-Dinitro-2-methylphenol

Concen: 0.288 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.16 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

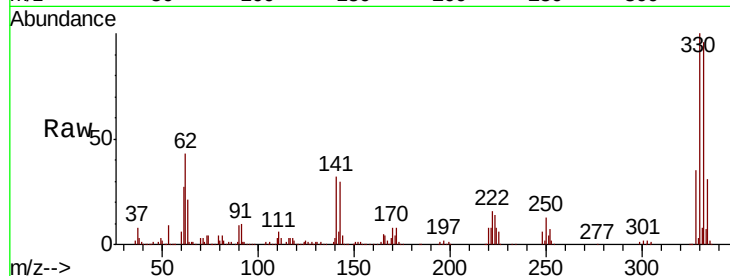
Tgt Ion:198 Resp: 1319

Ion Ratio Lower Upper

198 100

51 152.6 17.2 57.2#

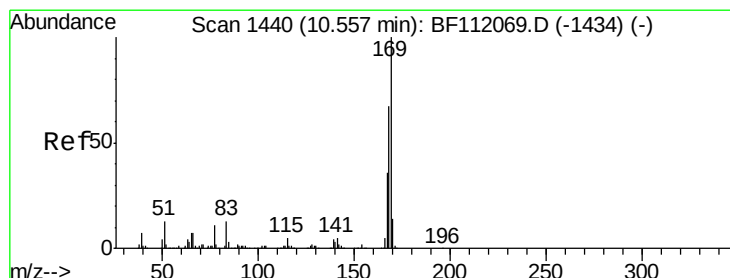
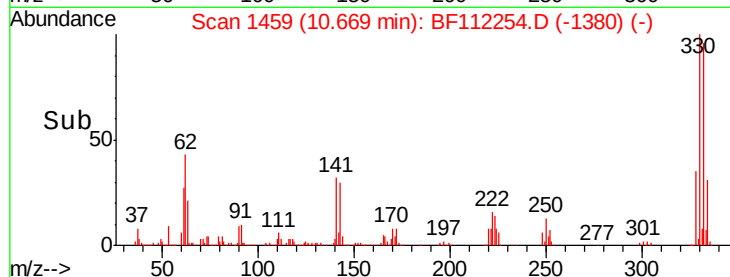
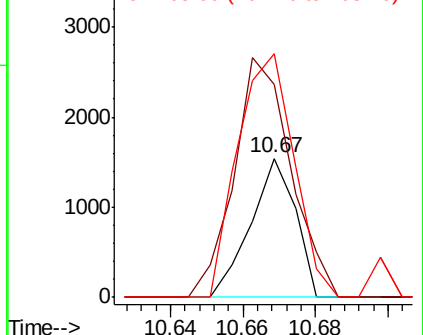
105 175.0 21.9 61.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.719 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.12 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

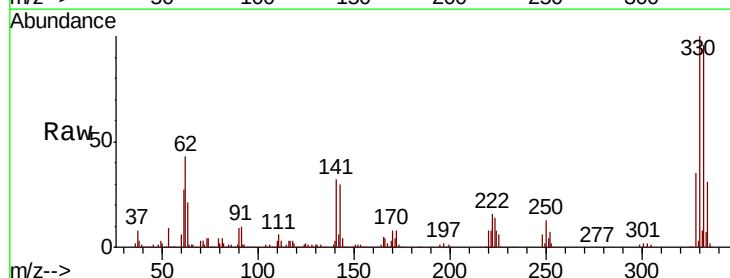
Tgt Ion:169 Resp: 19778

Ion Ratio Lower Upper

169 100

168 8.0 53.9 80.9#

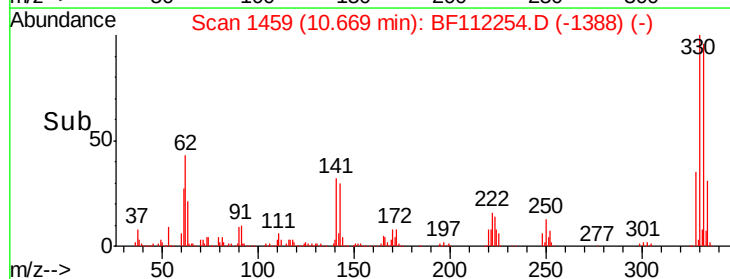
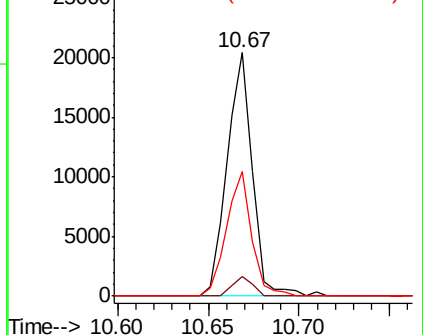
167 51.3 28.9 43.3#

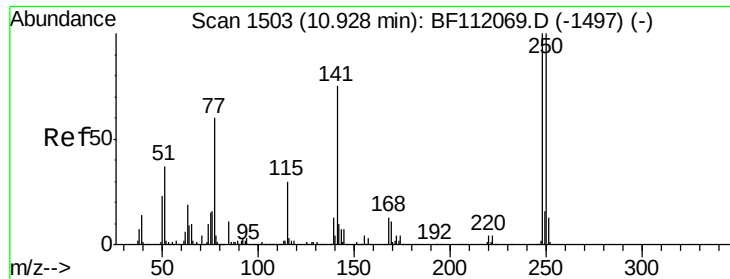


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

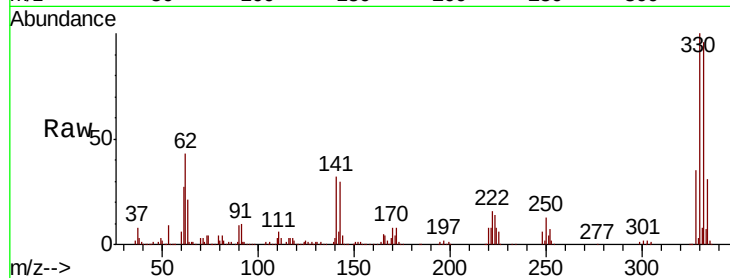




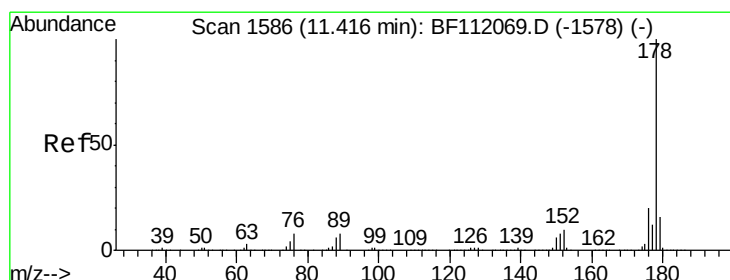
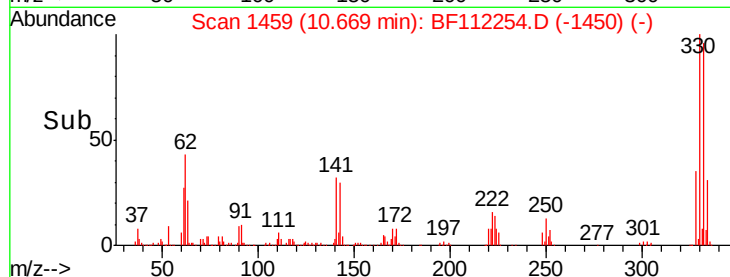
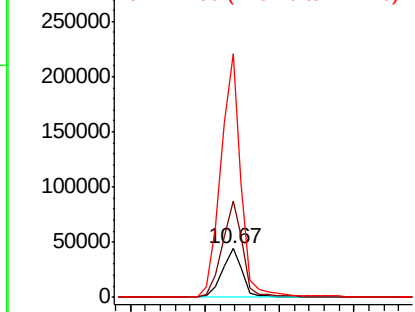
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.433 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.25 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Tgt Ion: 248 Resp: 42531  
 Ion Ratio Lower Upper  
 248 100  
 250 197.6 79.7 119.5#  
 141 500.5 60.3 90.5#

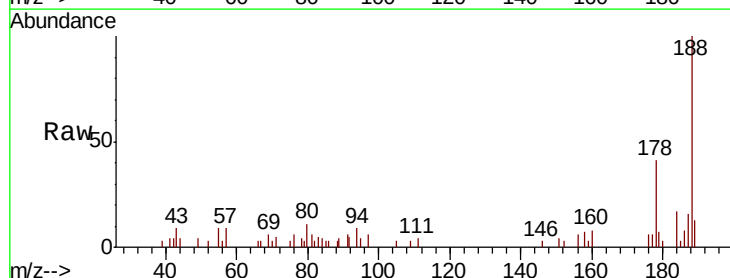


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

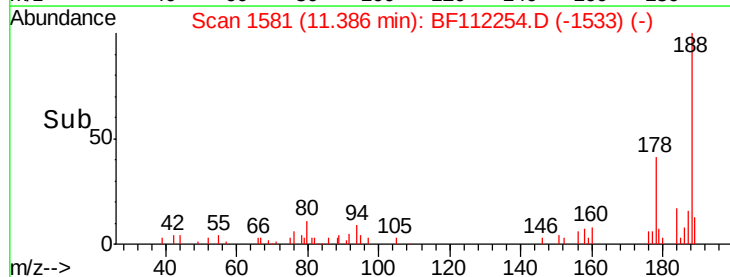
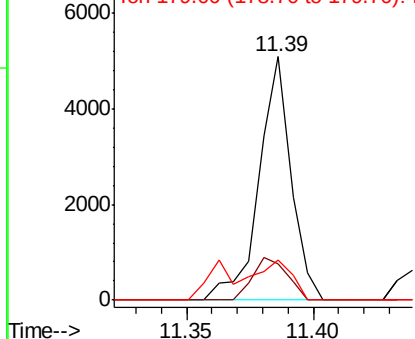


#71  
 Phenanthrene  
 Concen: 0.106 ng  
 RT: 11.39 min Scan# 1581  
 Delta R.T. -0.02 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

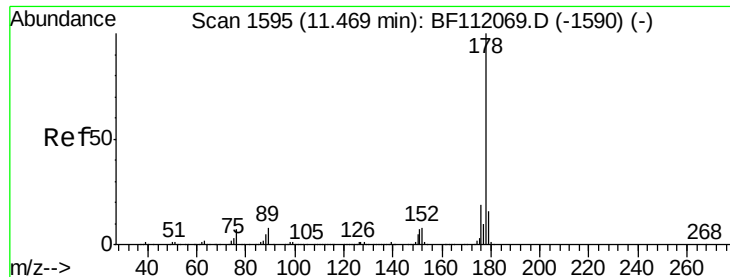
Tgt Ion: 178 Resp: 4508  
 Ion Ratio Lower Upper  
 178 100  
 176 14.8 16.3 24.5#  
 179 16.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E







#72

Anthracene

Concen: 0.012 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

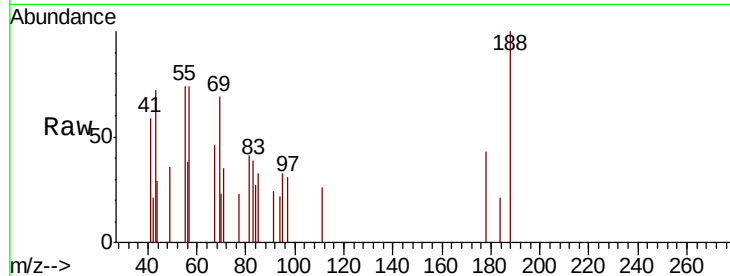
Tgt Ion:178 Resp: 488

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

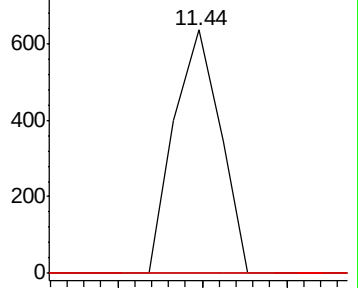
179 0.0 12.8 19.2#



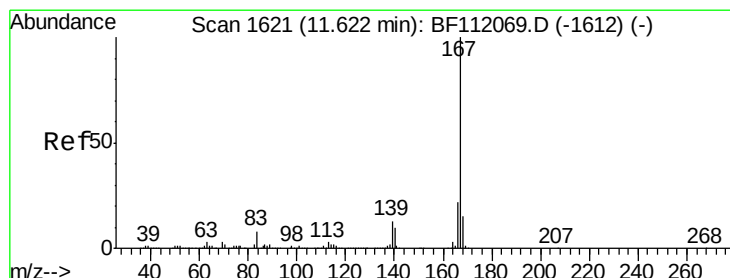
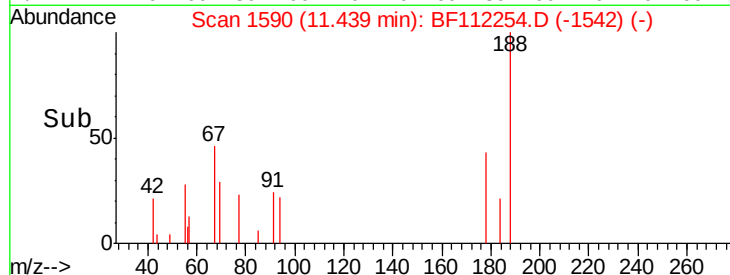
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 0.027 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

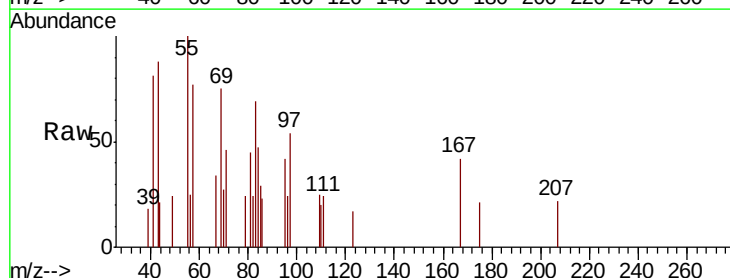
Tgt Ion:167 Resp: 1112

Ion Ratio Lower Upper

167 100

166 0.0 17.9 26.9#

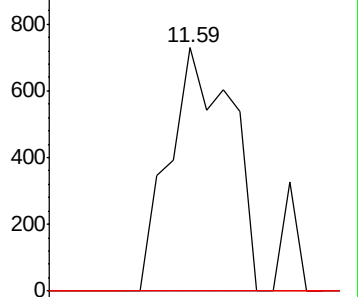
139 0.0 10.2 15.2#



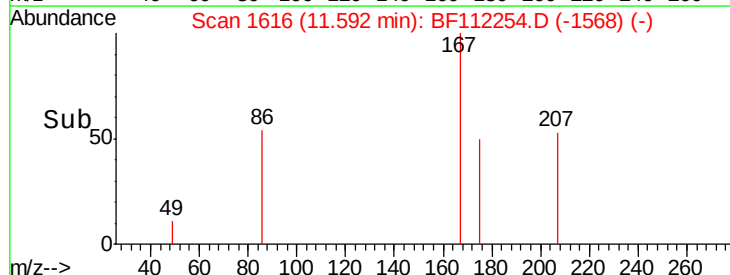
Abundance Ion 167.00 (166.70 to 167.70): E

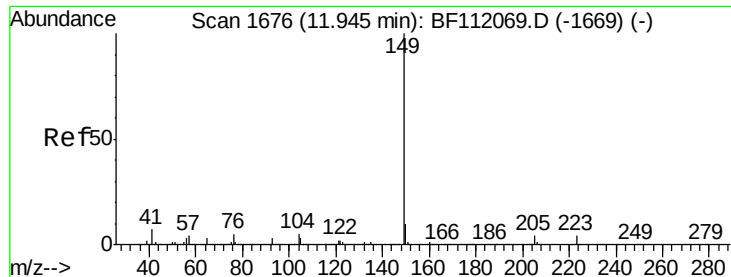
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 0.153 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

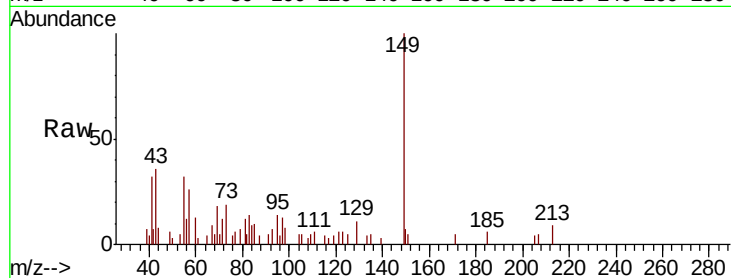
Tgt Ion:149 Resp: 7936

Ion Ratio Lower Upper

149 100

150 6.9 8.1 12.1#

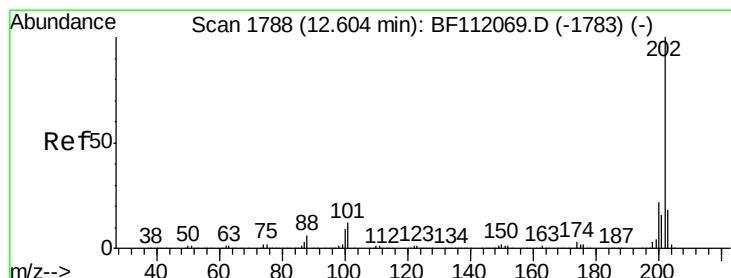
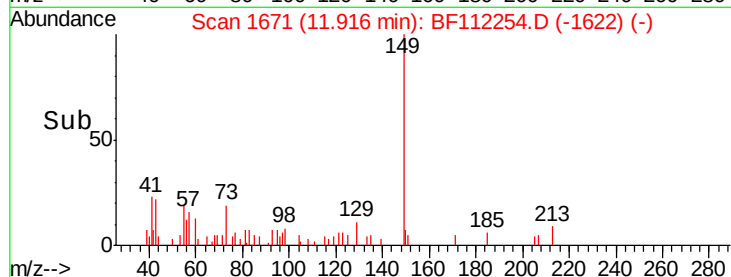
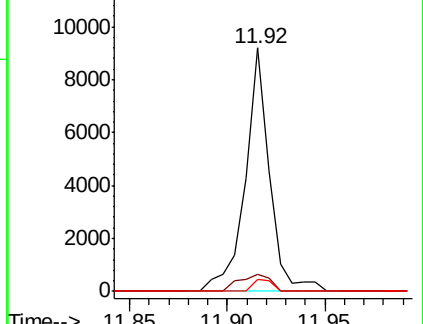
104 4.8 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.118 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

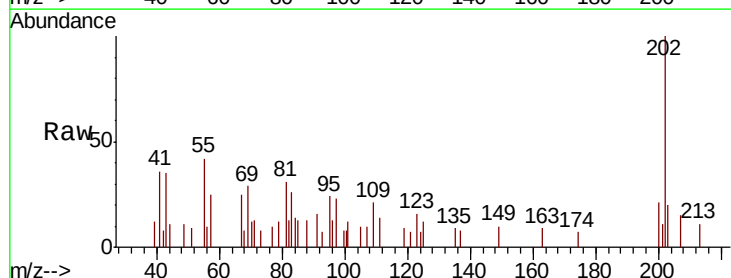
Tgt Ion:202 Resp: 5345

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.8

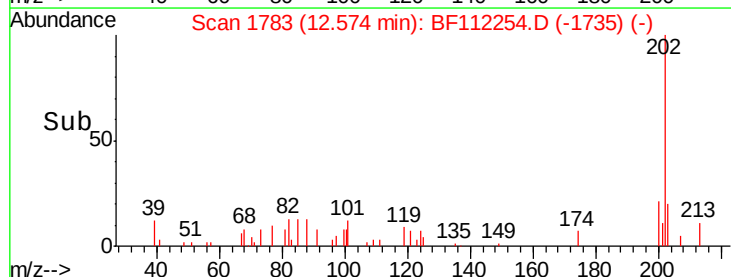
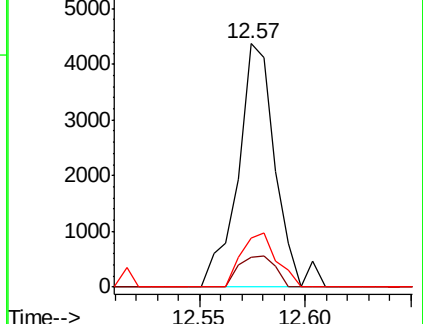
203 19.9 0.0 38.4

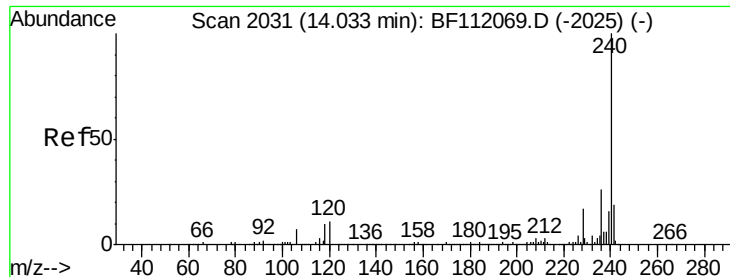


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

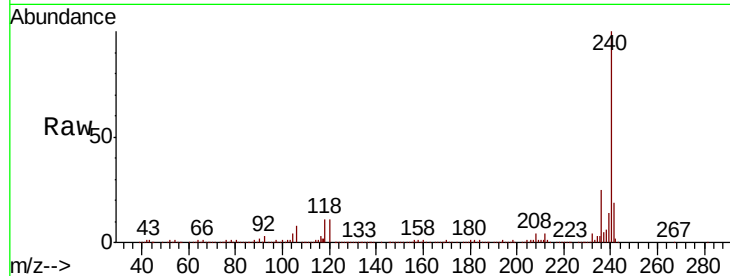




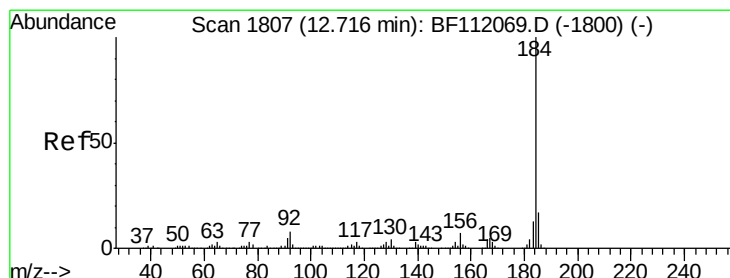
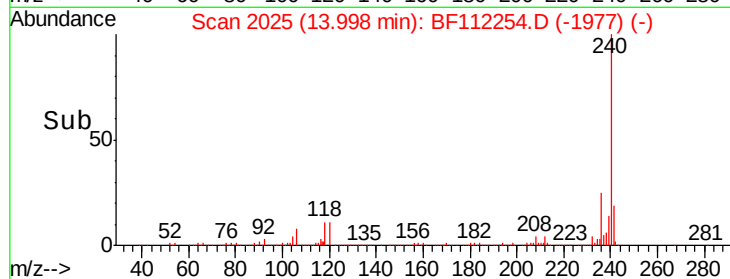
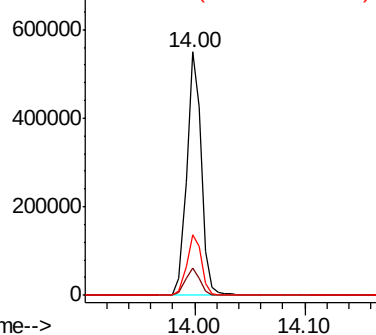
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.02 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Instrument :  
BNA\_F  
ClientSampleId :  
WWB-4

Tgt Ion:240 Resp: 499287  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.0 13.6  
236 24.6 20.7 31.1

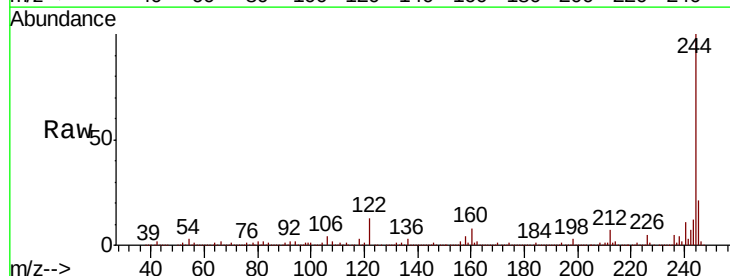


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

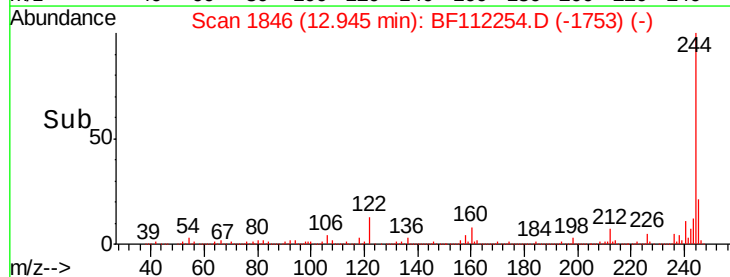
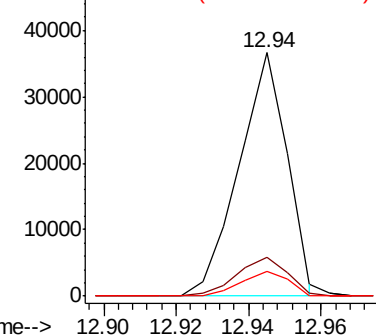


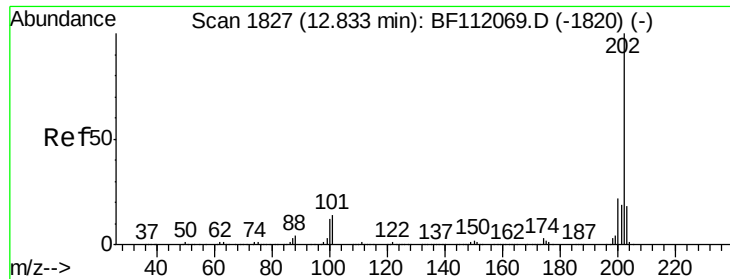
#77  
Benzidine  
Concen: 2.459 ng  
RT: 12.94 min Scan# 1846  
Delta R.T. 0.25 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Tgt Ion:184 Resp: 33788  
Ion Ratio Lower Upper  
184 100  
185 16.2 13.9 20.9  
183 10.1 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

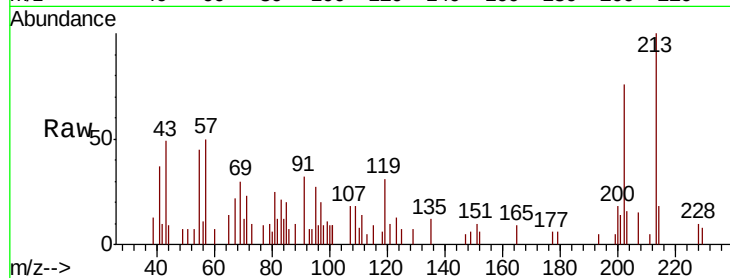




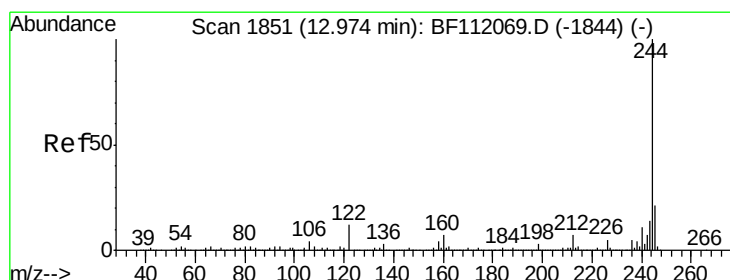
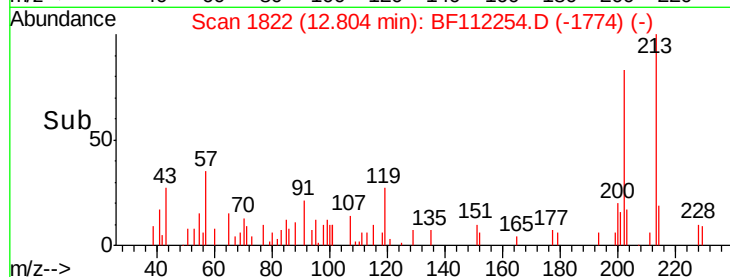
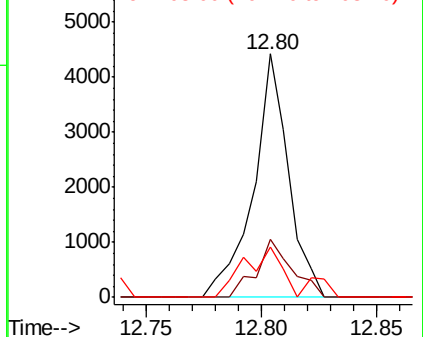
#78  
 Pyrene  
 Concen: 0.135 ng  
 RT: 12.80 min Scan# 1822  
 Delta R.T. -0.02 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

Tgt Ion: 202 Resp: 4667  
 Ion Ratio Lower Upper  
 202 100  
 200 24.0 17.7 26.5  
 203 20.5 14.6 22.0

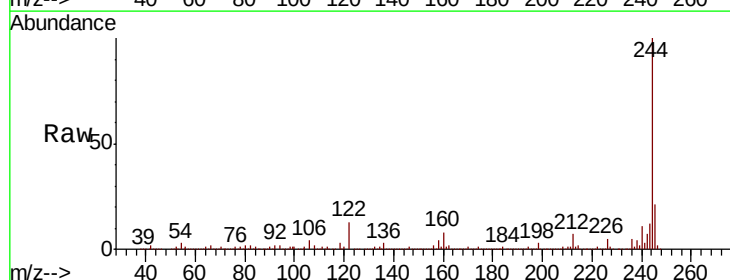


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

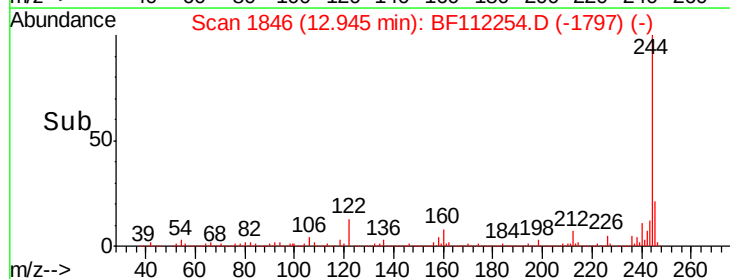
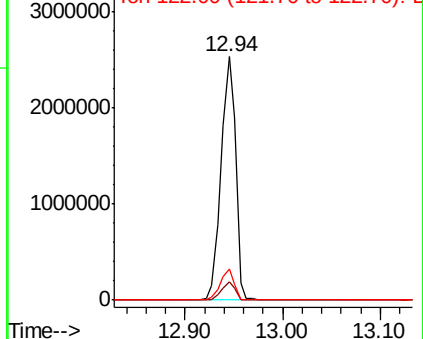


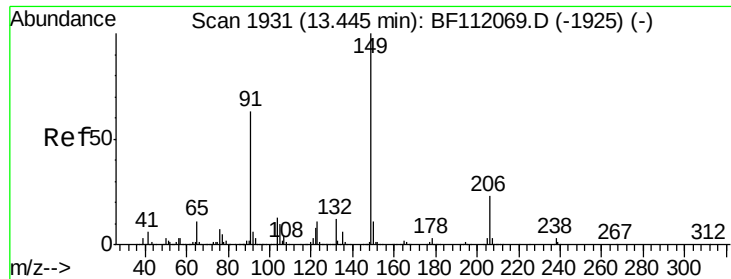
#79  
 Terphenyl-d14  
 Concen: 99.275 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion: 244 Resp: 2631717  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 12.8 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

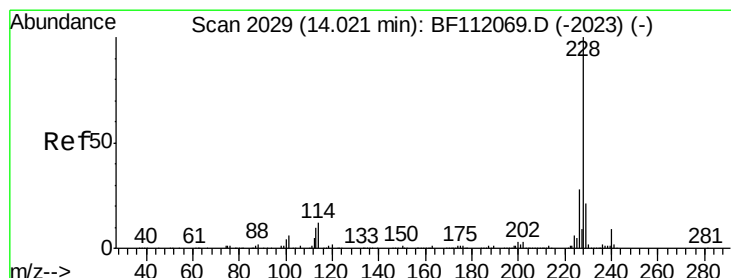
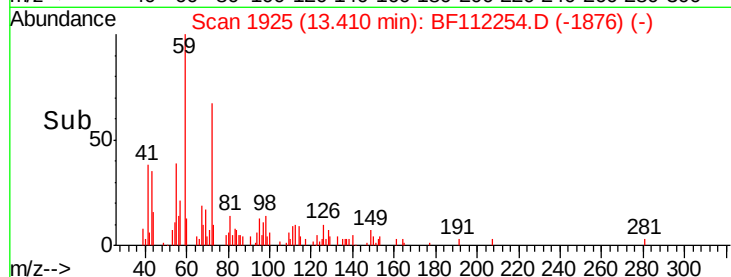
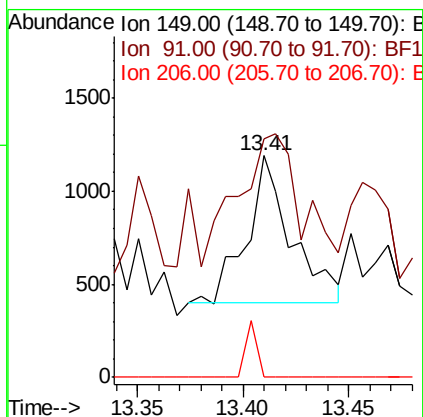
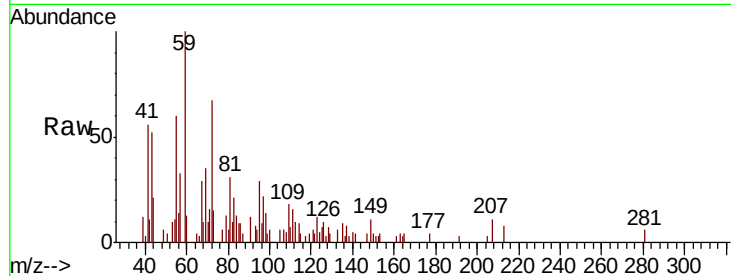




#80  
Butylbenzylphthalate  
Concen: 0.070 ng  
RT: 13.41 min Scan# 1925  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

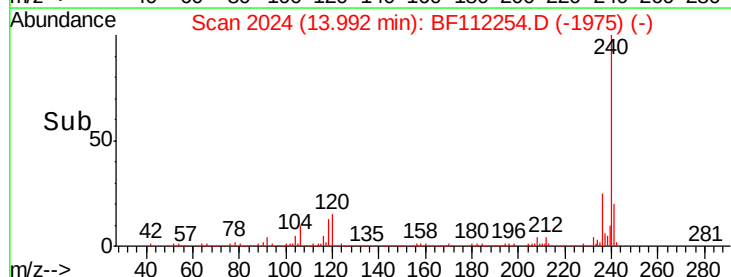
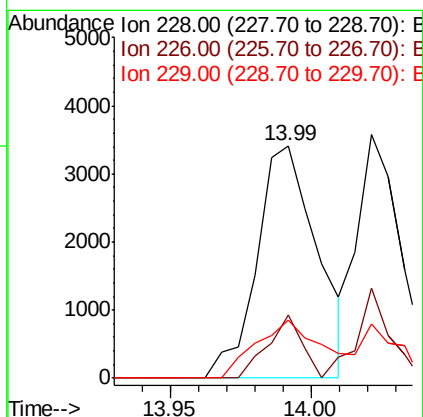
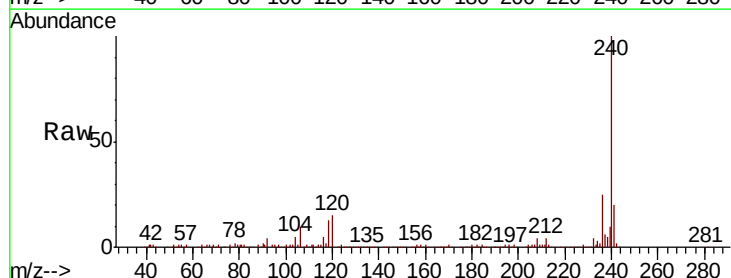
Instrument :  
BNA\_F  
ClientSampled :  
WWB-4

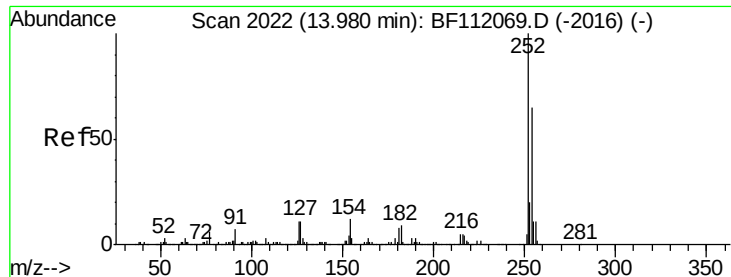
Tgt Ion:149 Resp: 1164  
Ion Ratio Lower Upper  
149 100  
91 107.6 50.3 75.5#  
206 0.0 18.2 27.4#



#81  
Benzo(a)anthracene  
Concen: 0.173 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Tgt Ion:228 Resp: 5079  
Ion Ratio Lower Upper  
228 100  
226 26.9 22.6 34.0  
229 24.9 16.5 24.7#

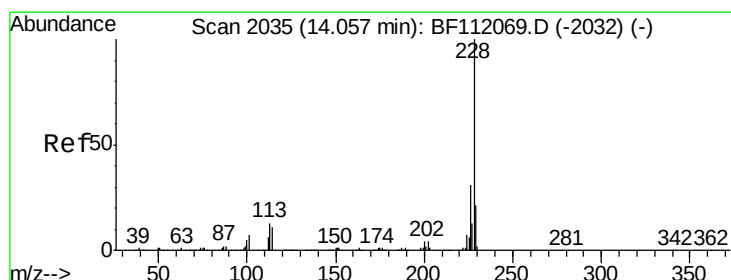
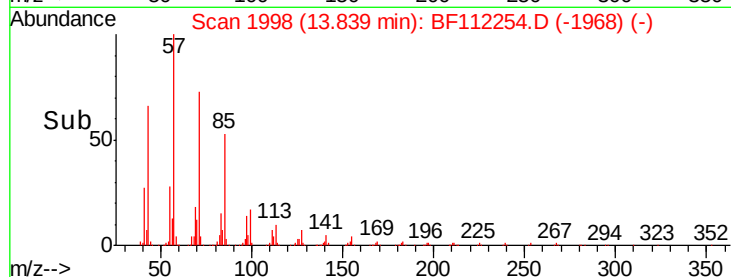
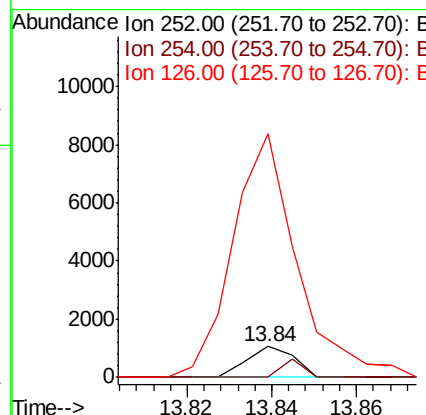
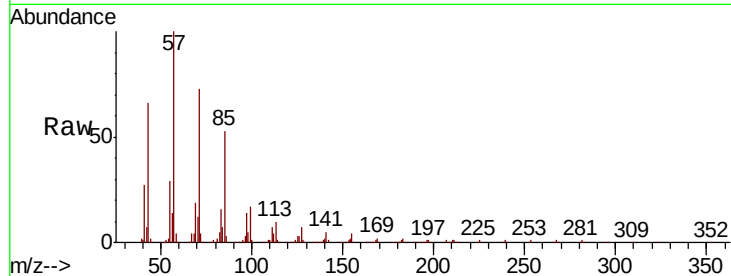




#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.075 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.12 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

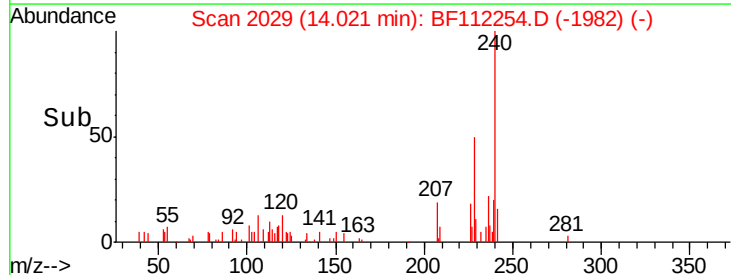
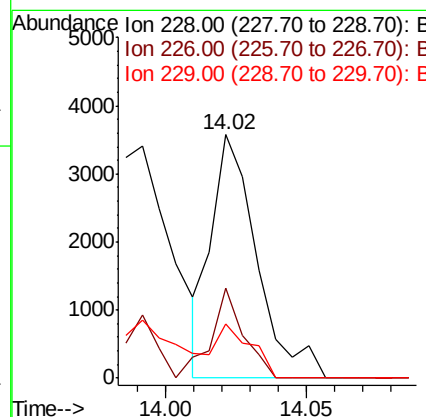
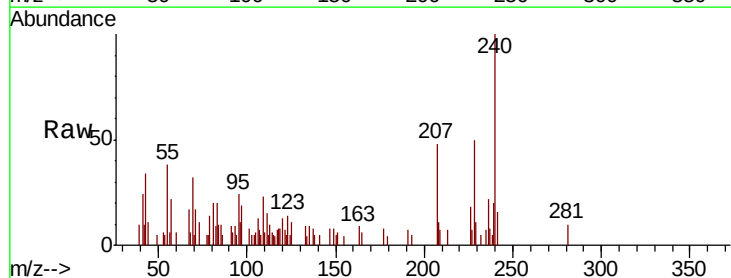
Instrument :  
 BNA\_F  
 ClientSampled :  
 WWB-4

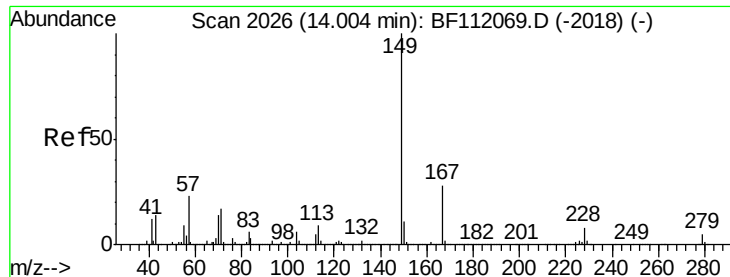
Tgt Ion: 252 Resp: 820  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 51.6 77.4#  
 126 796.8 8.6 12.8#



#83  
 Chrysene  
 Concen: 0.143 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.02 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Tgt Ion: 228 Resp: 4002  
 Ion Ratio Lower Upper  
 228 100  
 226 37.1 25.0 37.6  
 229 22.5 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.616 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

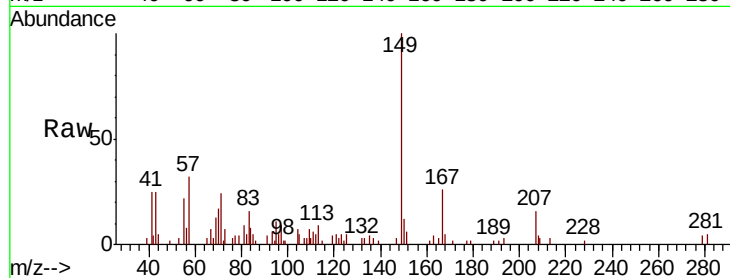
Tgt Ion:149 Resp: 14626

Ion Ratio Lower Upper

149 100

167 25.5 22.5 33.7

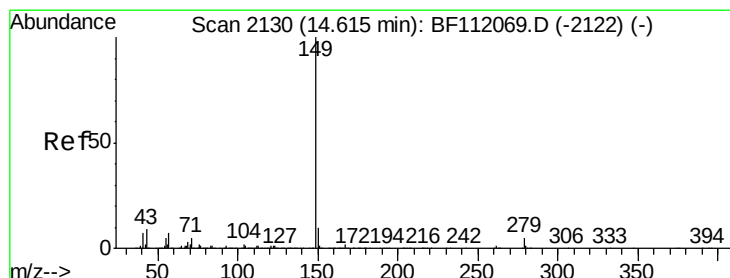
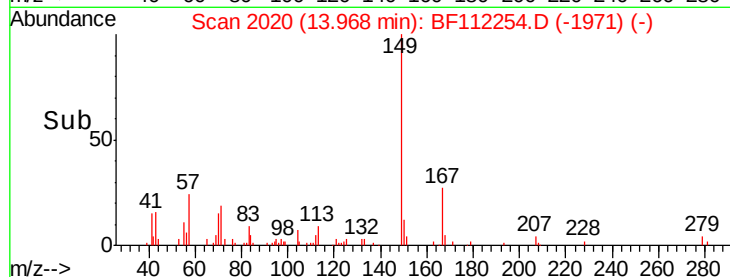
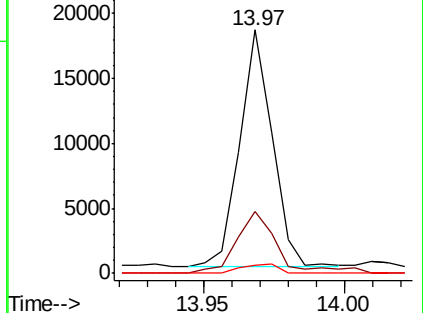
279 3.6 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.092 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

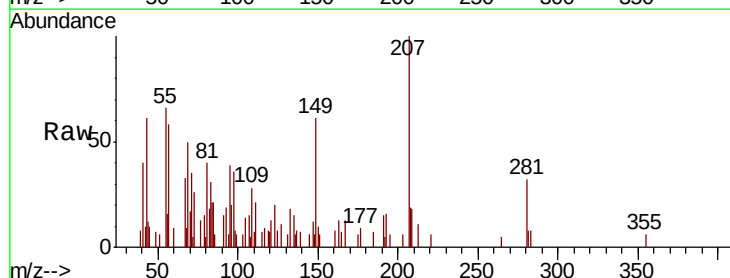
Tgt Ion:149 Resp: 3356

Ion Ratio Lower Upper

149 100

167 35.8 1.3 1.9#

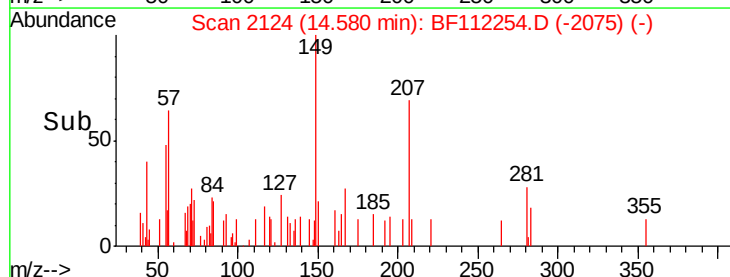
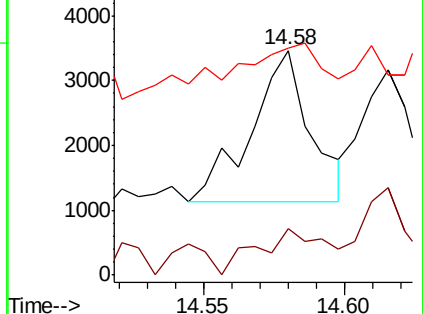
43 0.0 7.8 11.6#

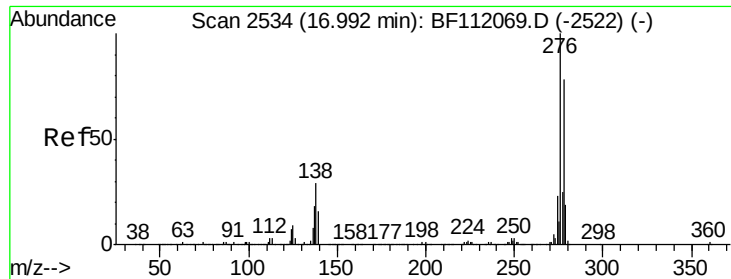


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

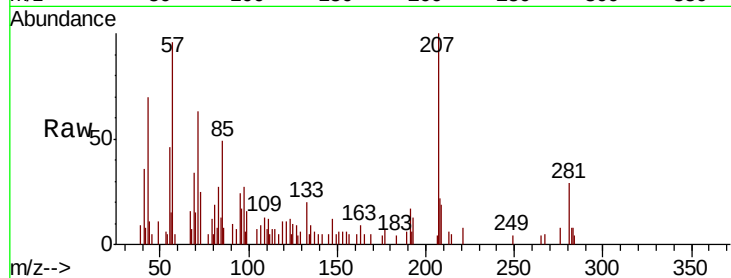




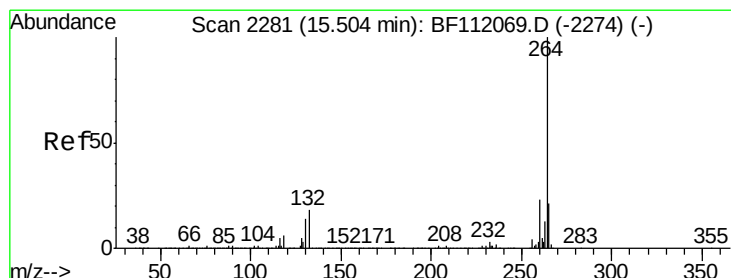
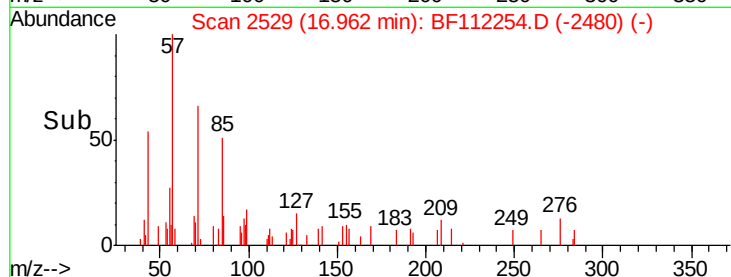
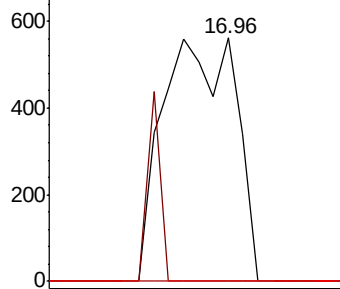
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.051 ng  
 RT: 16.96 min Scan# 2529  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WWB-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 22.6  | 34.0# |
| 277     | 0.0   | 20.3  | 30.5# |

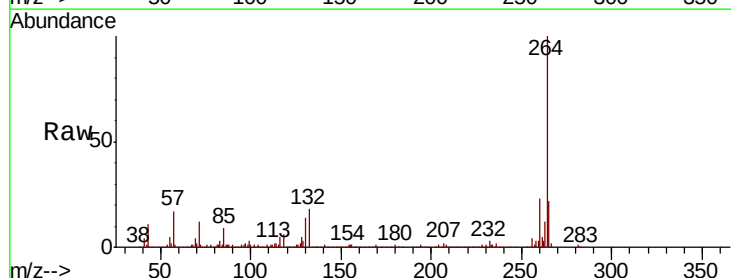


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

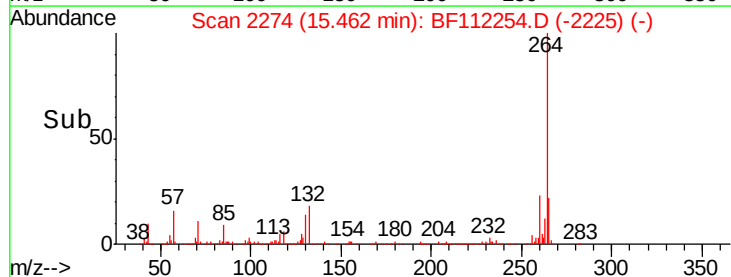
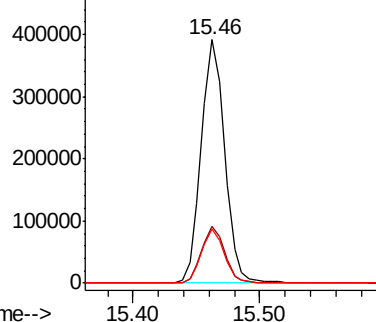


#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.01 min  
 Lab File: BF112254.D  
 Acq: 26 Jan 2019 1:30

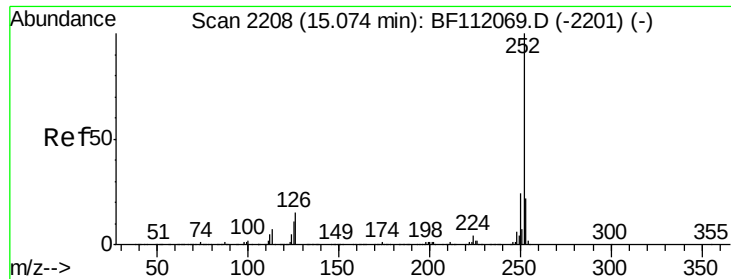
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.2  | 27.2  |
| 265     | 22.0  | 17.0  | 25.4  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E



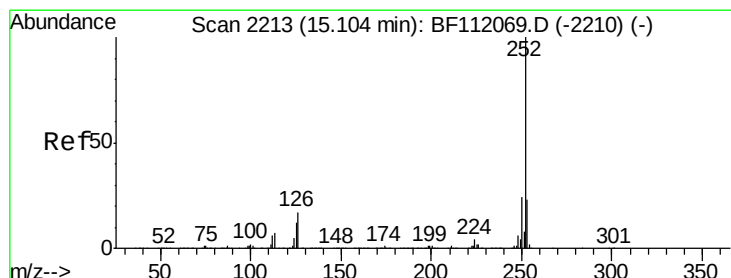
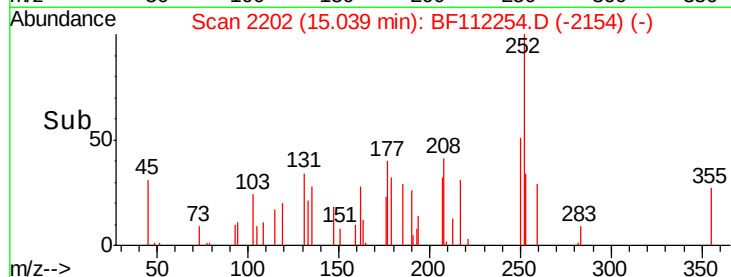
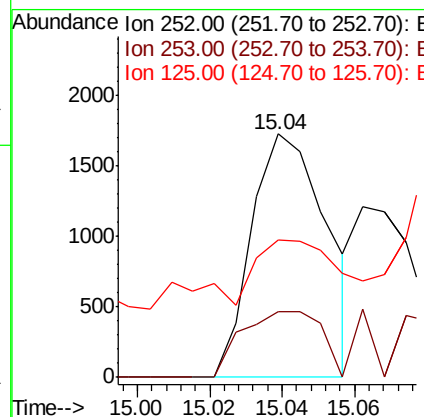
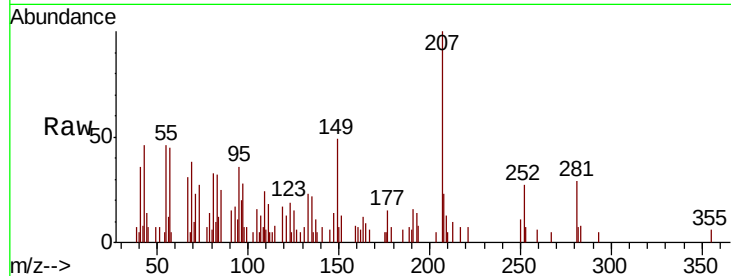




#88  
Benzo(b)fluoranthene  
Concen: 0.083 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.02 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

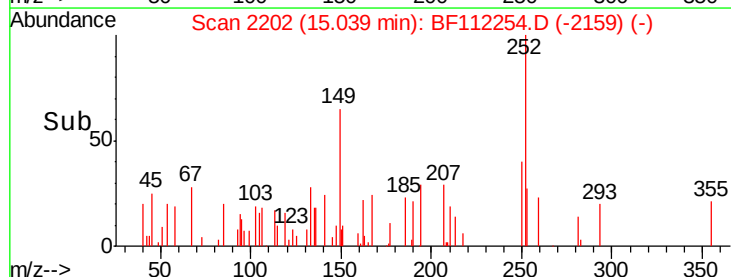
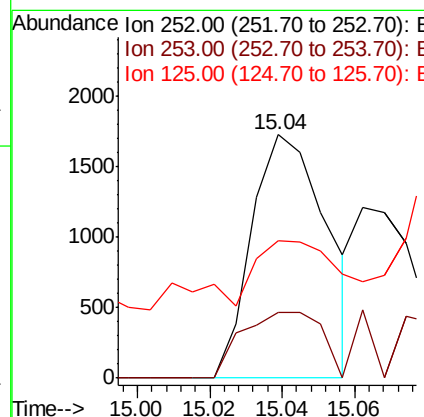
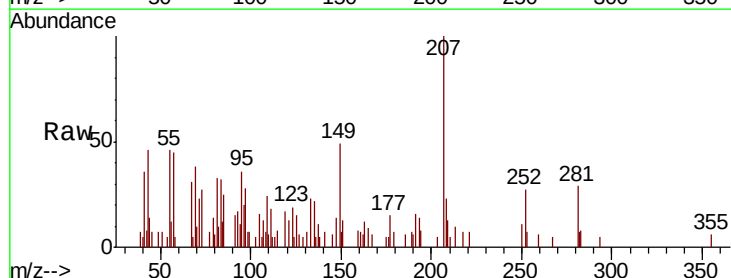
Instrument :  
BNA\_F  
ClientSampled :  
WWB-4

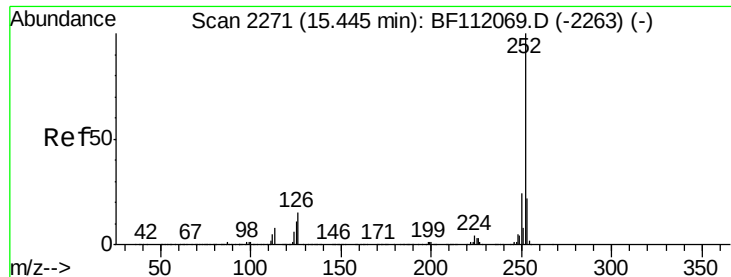
Tgt Ion: 252 Resp: 2486  
Ion Ratio Lower Upper  
252 100  
253 26.9 18.0 27.0  
125 56.2 8.7 13.1#



#89  
Benzo(k)fluoranthene  
Concen: 0.086 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.05 min  
Lab File: BF112254.D  
Acq: 26 Jan 2019 1:30

Tgt Ion: 252 Resp: 2486  
Ion Ratio Lower Upper  
252 100  
253 26.9 18.0 27.0  
125 56.2 9.1 13.7#





#90

Benzo(a)pyrene

Concen: 0.063 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

Instrument :

BNA\_F

ClientSampleId :

WWB-4

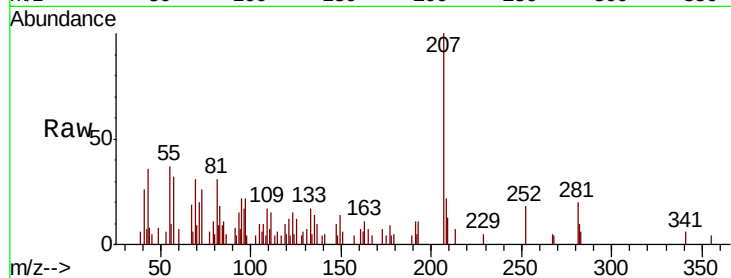
Tgt Ion:252 Resp: 1695

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

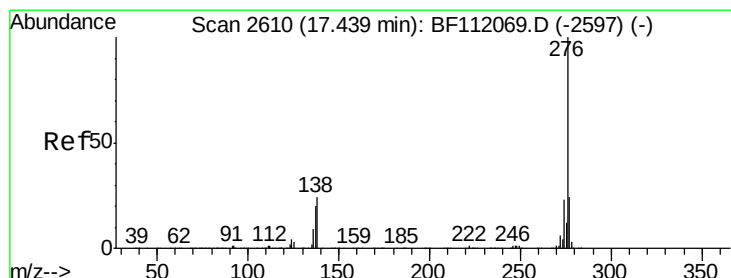
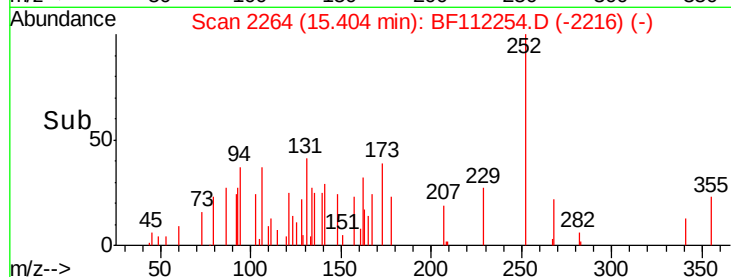
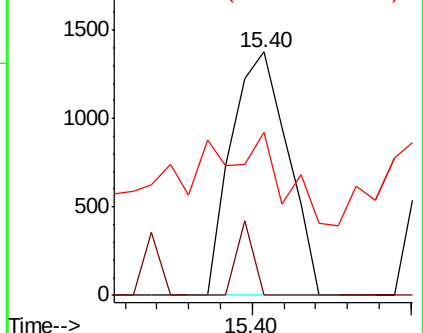
125 67.1 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.007 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.04 min

Lab File: BF112254.D

Acq: 26 Jan 2019 1:30

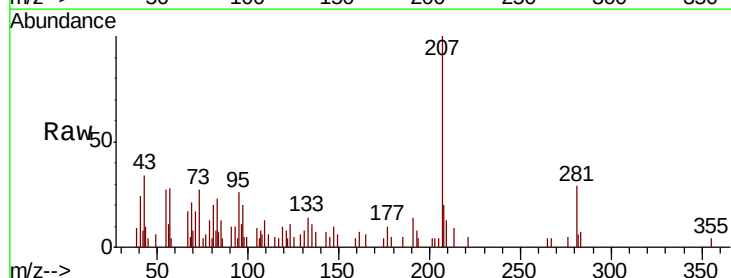
Tgt Ion:276 Resp: 141

Ion Ratio Lower Upper

276 100

277 0.0 19.4 29.0#

138 0.0 19.1 28.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

