

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100318\  
 Data File : BF109557.D  
 Acq On : 3 Oct 2018 20:02  
 Operator : JU/SJ  
 Sample : J5084-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

Quant Time: Oct 04 02:18:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 51623    | 20.00 | ng    | 0.04     |
| 21) Naphthalene-d8        | 8.02  | 136  | 123273   | 20.00 | ng    | 0.02     |
| 38) Acenaphthene-d10      | 9.74  | 164  | 89295    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 185991   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.84 | 240  | 186007   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.24 | 264  | 131761   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.37  | 112 | 85840  | 27.39  | ng | 0.06  |
| 7) Phenol-d6             | 6.38  | 99  | 222461 | 55.62  | ng | 0.02  |
| 23) Nitrobenzene-d5      | 7.15  | 82  | 49051  | 23.49  | ng | -0.14 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 93567  | 106.29 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.06  | 172 | 409665 | 69.19  | ng | -0.01 |
| 78) Terphenyl-d14        | 12.79 | 244 | 527185 | 69.56  | ng | -0.01 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 4) n-Nitrosodimethylamine      | 3.10  | 42  | 34090   | 21.562  | ng | # 1    |
| 6) Aniline                     | 6.39  | 93  | 27050   | 5.287   | ng | # 1    |
| 9) Benzaldehyde                | 6.30  | 77  | 1965402 | 764.984 | ng | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.69  | 93  | 30164   | 8.511   | ng | # 82   |
| 15) Benzyl Alcohol             | 6.91  | 79  | 29884   | 9.762   | ng | # 11   |
| 17) 2-Methylphenol             | 7.03  | 107 | 50459   | 17.892  | ng | # 1    |
| 18) Hexachloroethane           | 7.25  | 117 | 203303  | 142.736 | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70  | 86632   | 33.058  | ng | # 61   |
| 20) 3+4-Methylphenols          | 7.15  | 107 | 18276   | 5.368   | ng | # 1    |
| 22) Acetophenone               | 7.15  | 105 | 2156928 | 756.805 | ng | # 58   |
| 24) Nitrobenzene               | 7.33  | 77  | 86268   | 38.853  | ng | # 13   |
| 25) Isophorone                 | 7.56  | 82  | 12270   | 3.263   | ng | # 1    |
| 26) 2-Nitrophenol              | 7.66  | 139 | 6165    | 7.021   | ng | # 1    |
| 27) 2,4-Dimethylphenol         | 7.67  | 122 | 7904    | 4.824   | ng | # 1    |
| 28) bis(2-Chloroethoxy)methane | 7.77  | 93  | 35495   | 14.259  | ng | # 80   |
| 29) 2,4-Dichlorophenol         | 7.88  | 162 | 20545   | 11.934  | ng | # 48   |
| 31) Naphthalene                | 8.05  | 128 | 4266418 | 740.632 | ng | # 96   |
| 32) Benzoic acid               | 7.87  | 122 | 1060    | 7.614   | ng | # 1    |
| 33) 4-Chloroaniline            | 8.05  | 127 | 677642  | 269.278 | ng | # 38   |
| 35) Caprolactam                | 8.47  | 113 | 5072    | 9.228   | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.57  | 107 | 4953    | 2.734   | ng | # 59   |
| 37) 2-Methylnaphthalene        | 8.73  | 142 | 2860106 | 770.185 | ng | # 94   |
| 45) 1,1'-Biphenyl              | 9.16  | 154 | 76116   | 10.462  | ng | # 95   |
| 47) 2-Nitroaniline             | 9.26  | 65  | 4010    | 2.433   | ng | # 33   |
| 49) Dimethylphthalate          | 9.46  | 163 | 111017  | 17.093  | ng | # 98   |
| 53) 2,4-Dinitrophenol          | 9.79  | 184 | 109     | 8.715   | ng | # 1    |
| 55) 4-Nitrophenol              | 10.06 | 139 | 2303    | 2.052   | ng | # 86   |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165 | 3774    | 2.319   | ng | # 58   |
| 57) Fluorene                   | 10.28 | 166 | 16709   | 2.970   | ng | # 83   |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 704     | 7.337   | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.40 | 169 | 13424   | 2.185   | ng | # 53   |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248 | 5455    | 2.641   | ng | # 1    |
| 70) Phenanthrene               | 11.24 | 178 | 36061   | 3.883   | ng | # 97   |
| 71) Anthracene                 | 11.24 | 178 | 36061   | 3.829   | ng | # 97   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100318\  
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Operator : JU/SJ  
Sample : J5084-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

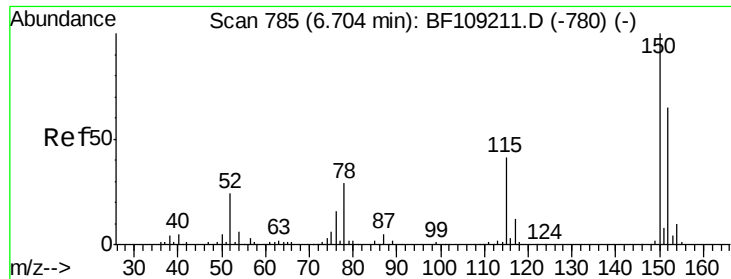
Quant Time: Oct 04 02:18:56 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 22 13:32:18 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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



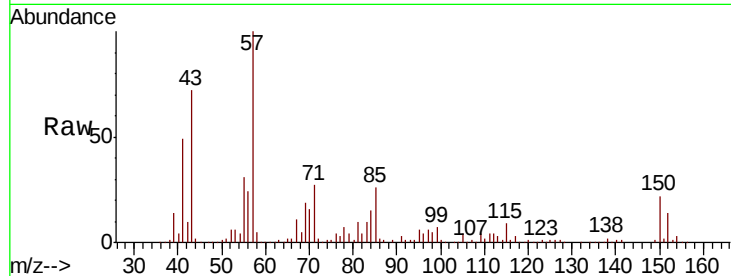


#1

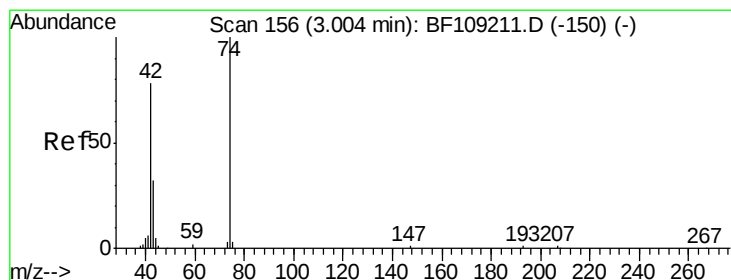
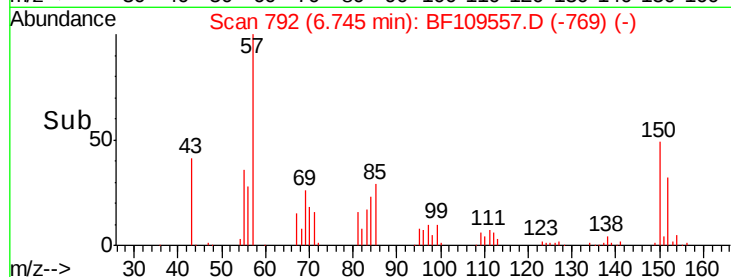
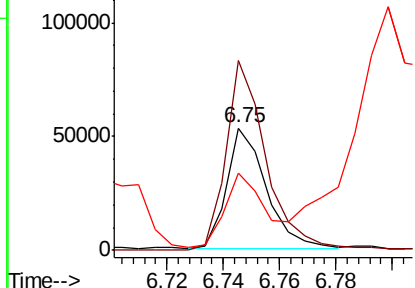
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.04 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

Tgt Ion:152 Resp: 51623  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.6 186.8  
115 63.6 50.1 75.1



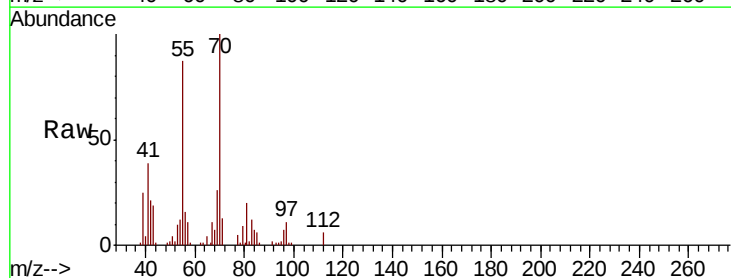
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



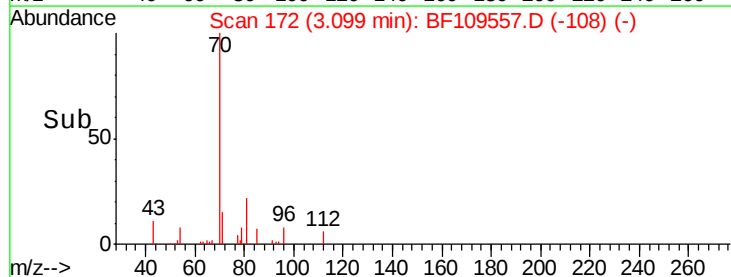
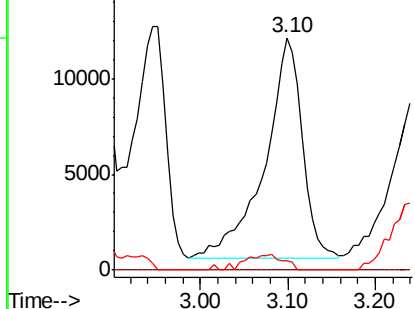
#4

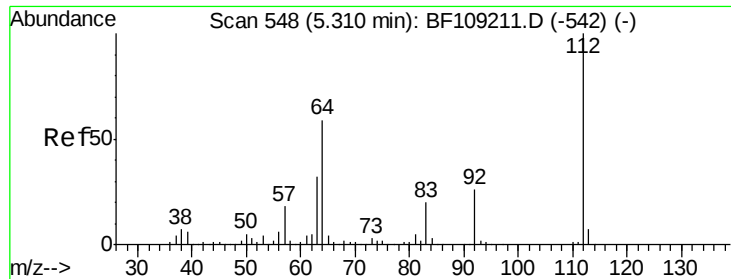
n-Nitrosodimethylamine  
Concen: 21.562 ng  
RT: 3.10 min Scan# 172  
Delta R.T. 0.08 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Tgt Ion: 42 Resp: 34090  
Ion Ratio Lower Upper  
42 100  
74 0.0 104.9 157.3#  
44 3.9 6.9 10.3#



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: 27.388 ng

RT: 5.37 min Scan# 559

Delta R.T. 0.06 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

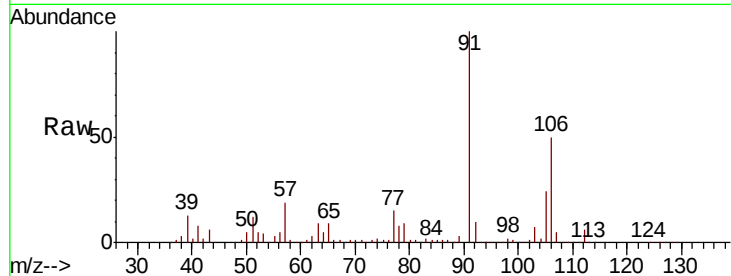
Tgt Ion: 112 Resp: 85840

Ion Ratio Lower Upper

112 100

64 83.7 47.9 71.9#

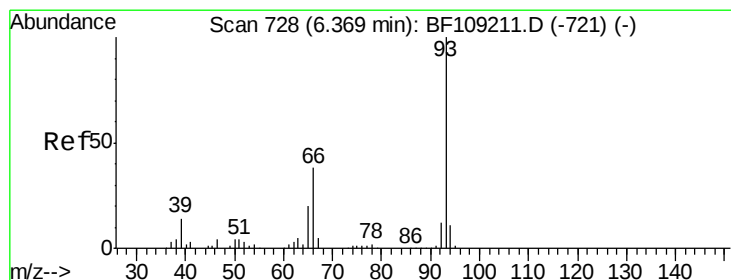
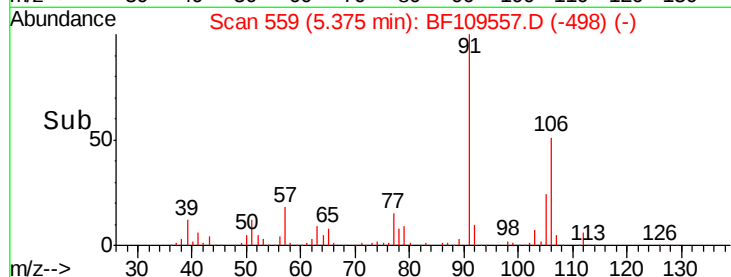
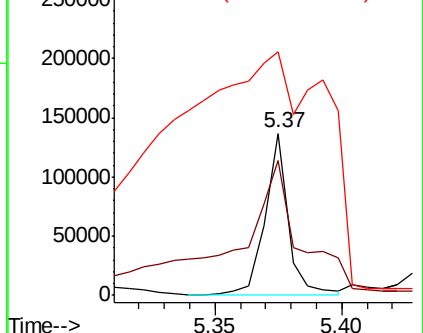
63 150.4 23.7 35.5#



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: 5.287 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

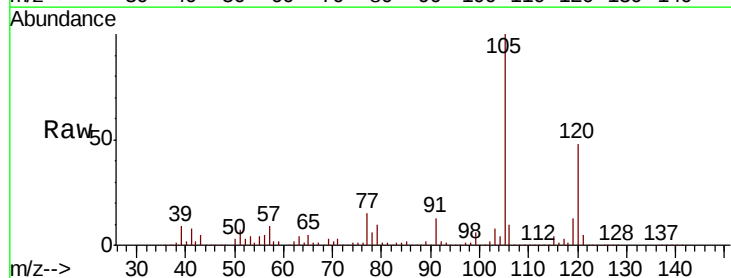
Tgt Ion: 93 Resp: 27050

Ion Ratio Lower Upper

93 100

66 134.4 32.2 48.2#

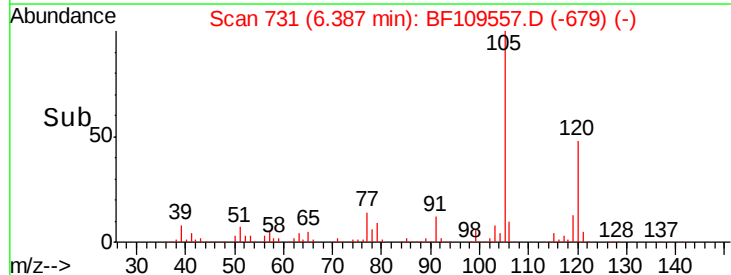
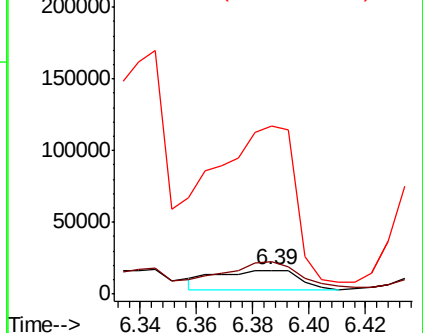
65 696.5 16.4 24.6#

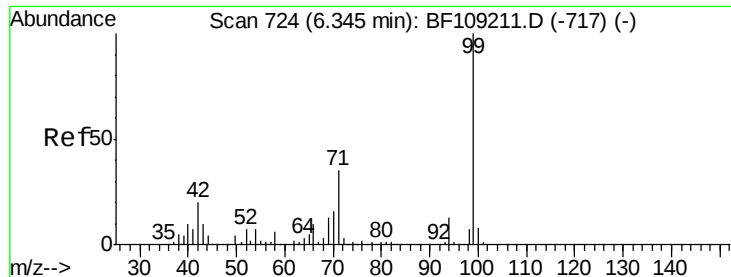


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 55.624 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

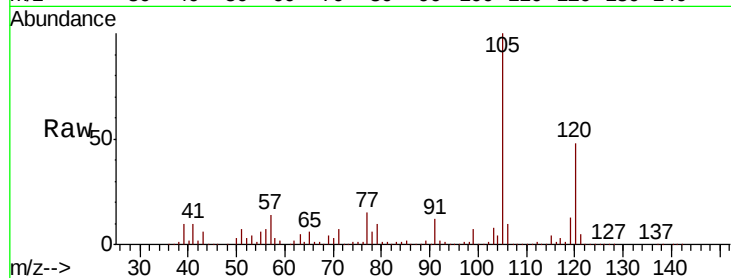
Tgt Ion: 99 Resp: 222461

Ion Ratio Lower Upper

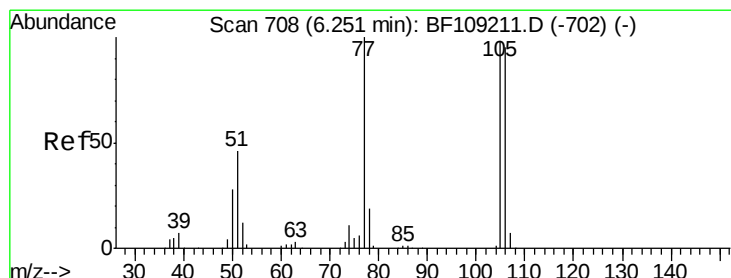
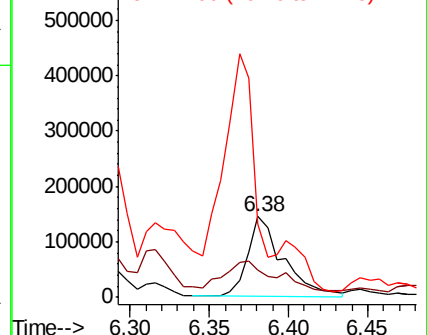
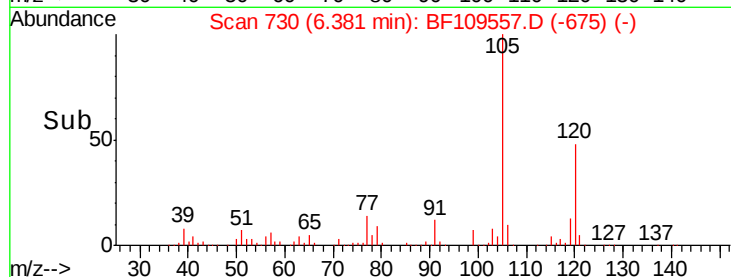
99 100

42 33.7 14.5 21.7#

71 91.8 25.4 38.0#



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



#9

Benzaldehyde

Concen: 764.984 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.05 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

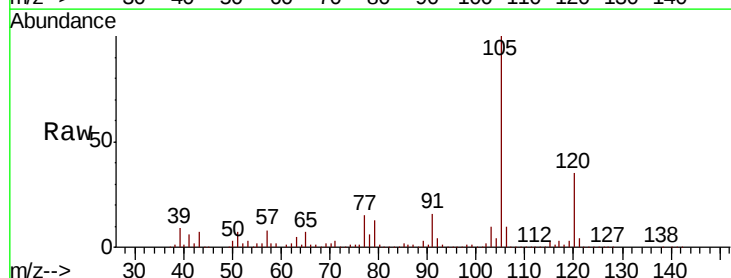
Tgt Ion: 77 Resp: 1965402

Ion Ratio Lower Upper

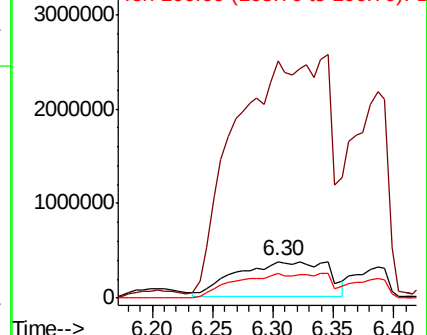
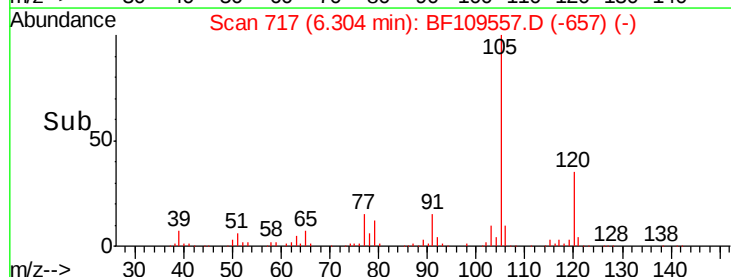
77 100

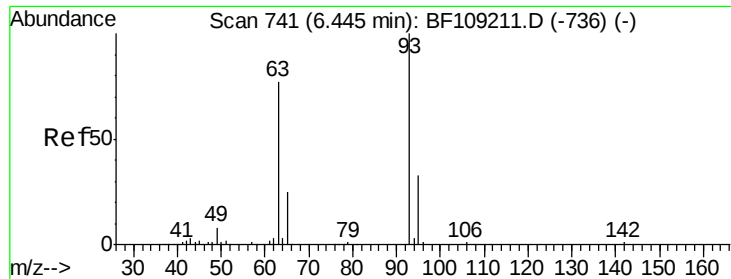
105 649.3 81.1 121.1#

106 66.4 74.5 114.5#



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

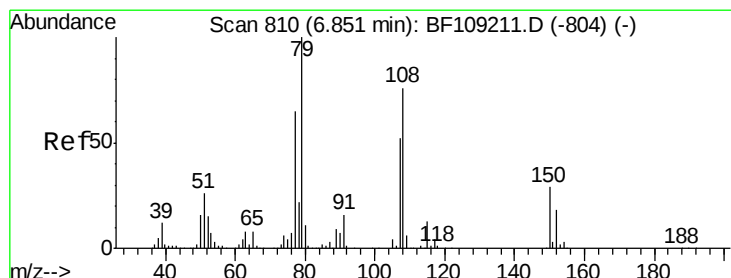
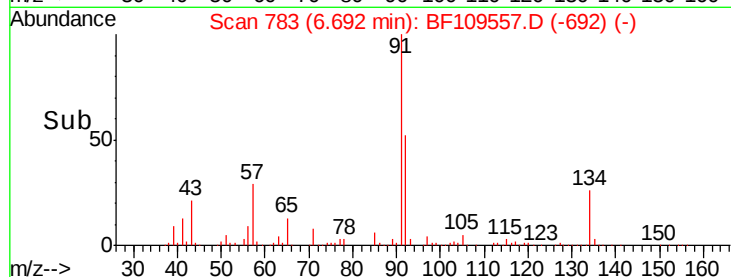
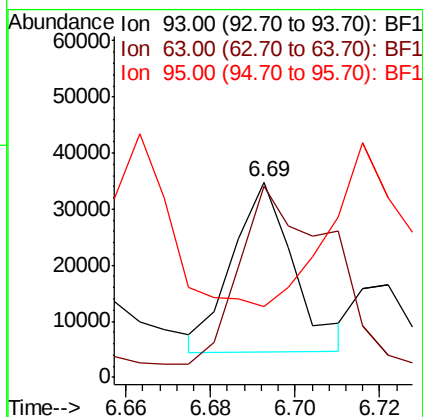
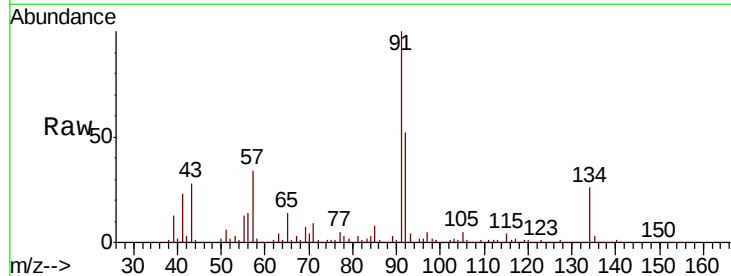




#11  
bis(2-Chloroethyl)ether  
Concen: 8.511 ng  
RT: 6.69 min Scan# 783  
Delta R.T. 0.24 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

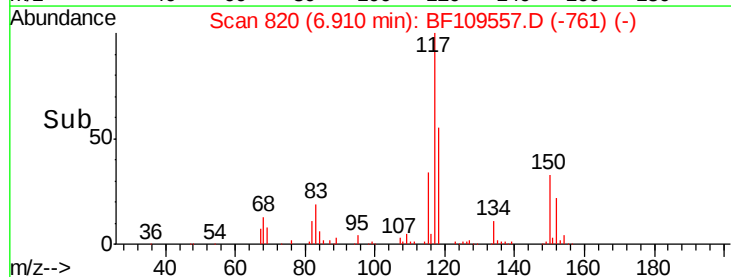
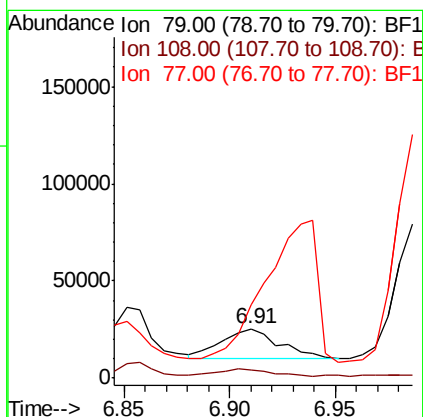
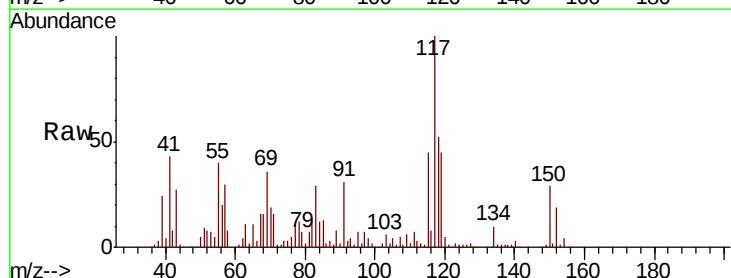
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

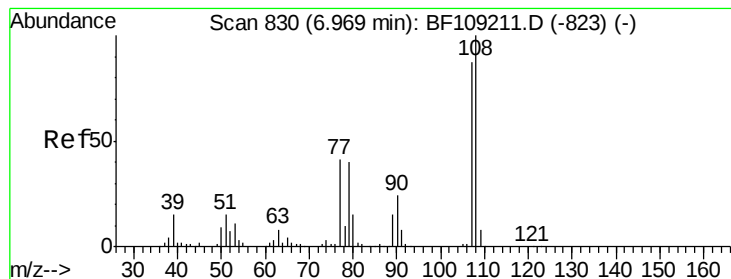
Tgt Ion: 93 Resp: 30164  
Ion Ratio Lower Upper  
93 100  
63 97.6 58.6 98.6  
95 36.4 11.8 51.8



#15  
Benzyl Alcohol  
Concen: 9.762 ng  
RT: 6.91 min Scan# 820  
Delta R.T. 0.05 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Tgt Ion: 79 Resp: 29884  
Ion Ratio Lower Upper  
79 100  
108 16.5 65.1 97.7#  
77 148.5 50.6 75.8#





#17

2-Methylphenol

Concen: 17.892 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.06 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

Tgt Ion:107 Resp: 50459

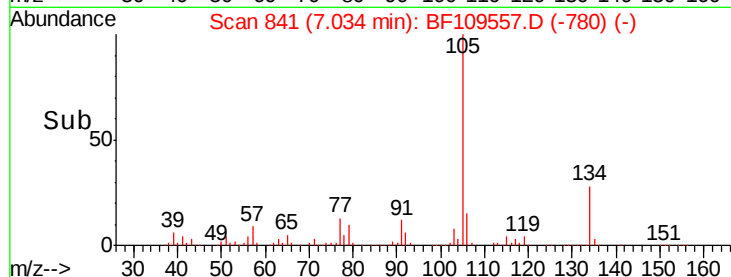
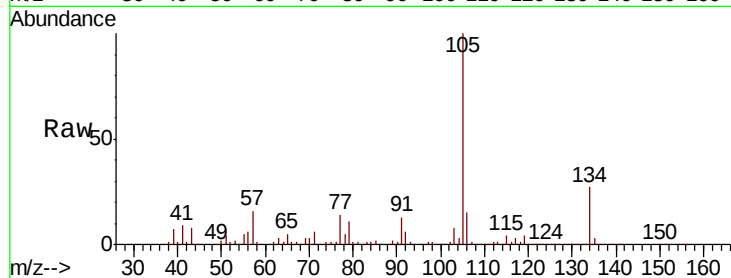
Ion Ratio Lower Upper

107 100

108 5.4 91.7 137.5#

77 1560.6 33.8 50.8#

79 1221.2 33.8 50.8#

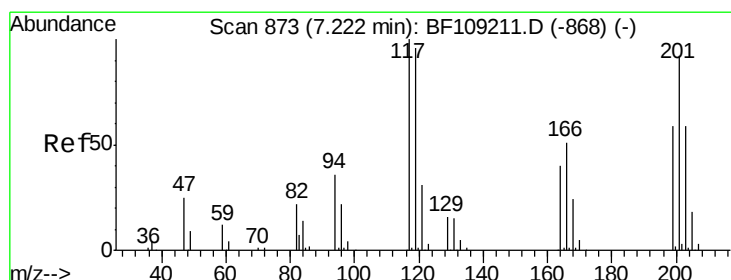
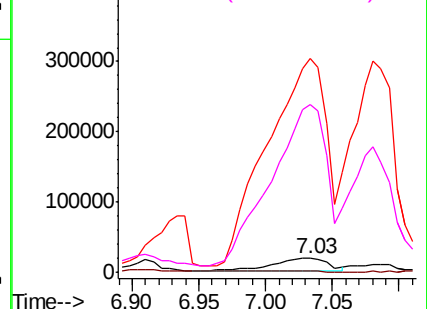


Abundance Ion 107.00 (106.70 to 107.70): E

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: 142.736 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.03 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

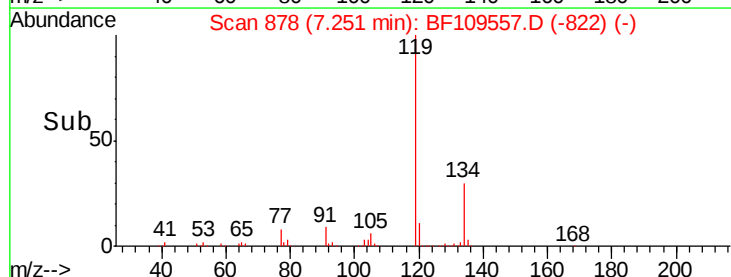
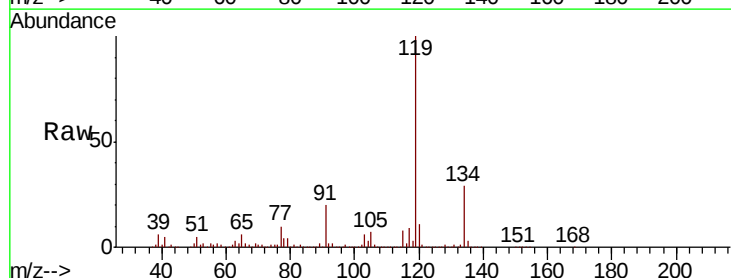
Tgt Ion:117 Resp: 203303

Ion Ratio Lower Upper

117 100

119 1066.4 75.8 113.8#

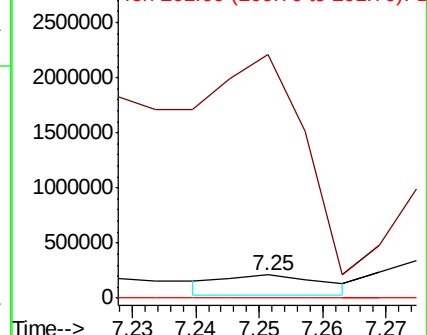
201 0.0 75.7 113.5#

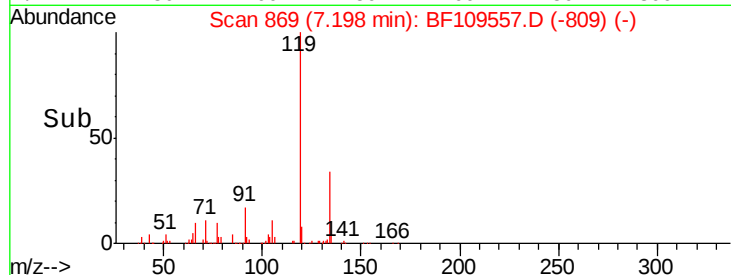
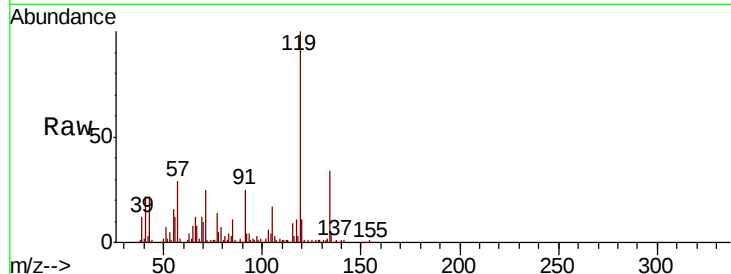
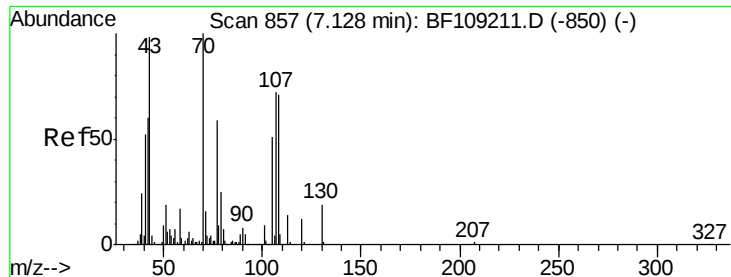


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

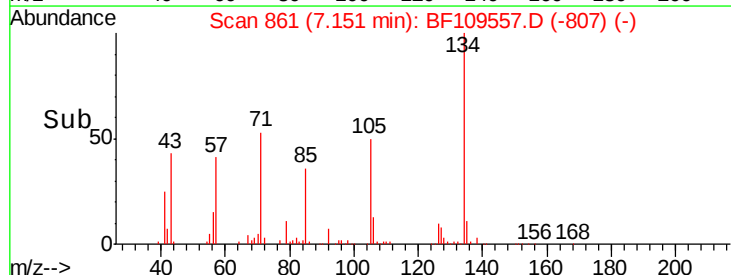
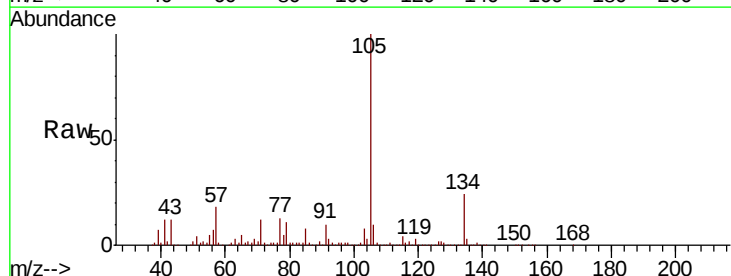
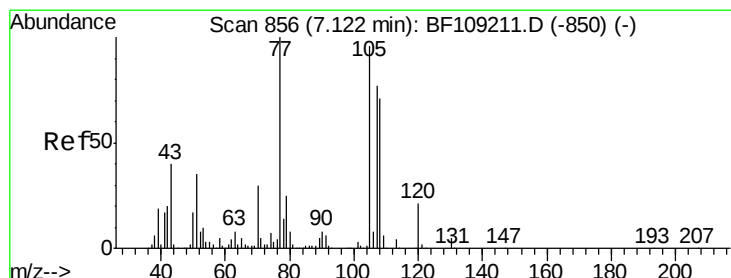
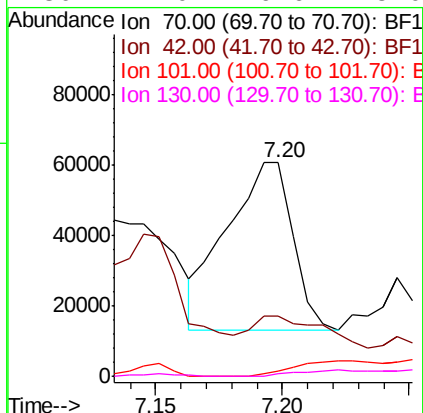




#19  
n-Nitroso-di-n-propylamine  
Concen: 33.058 ng  
RT: 7.20 min Scan# 869  
Delta R.T. 0.05 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

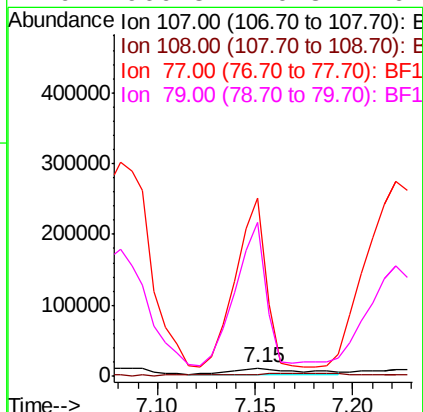
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

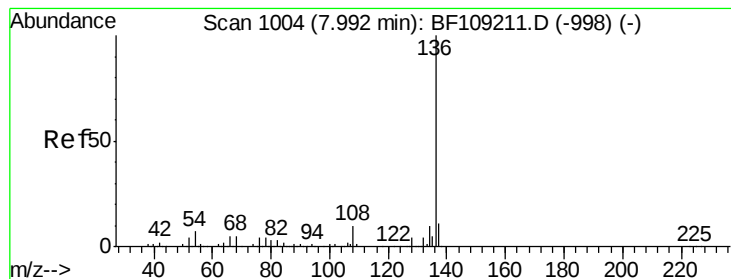
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 86632 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 28.2  | 47.5  | 71.3# |
| 101      | 2.5   | 7.4   | 11.2# |
| 130      | 1.0   | 16.6  | 25.0# |



#20  
3+4-Methylphenols  
Concen: 5.368 ng  
RT: 7.15 min Scan# 861  
Delta R.T. 0.02 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 107    | Resp: | 18276  |
| Ion      | Ratio  | Lower | Upper  |
| 107      | 100    |       |        |
| 108      | 19.9   | 68.2  | 108.2# |
| 77       | 2273.6 | 26.7  | 66.7#  |
| 79       | 1966.8 | 6.3   | 46.3#  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

Tgt Ion:136 Resp: 123273

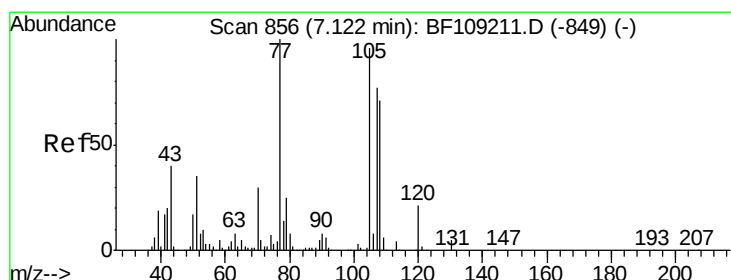
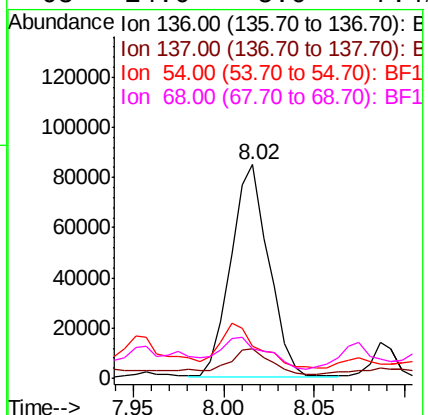
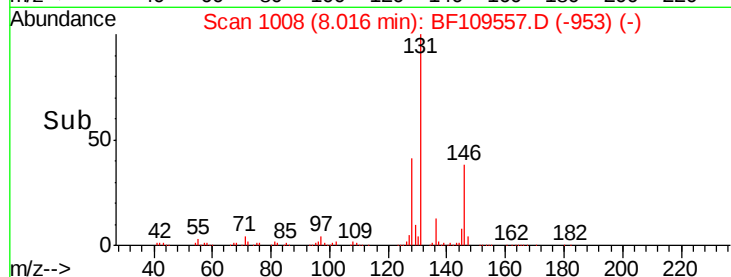
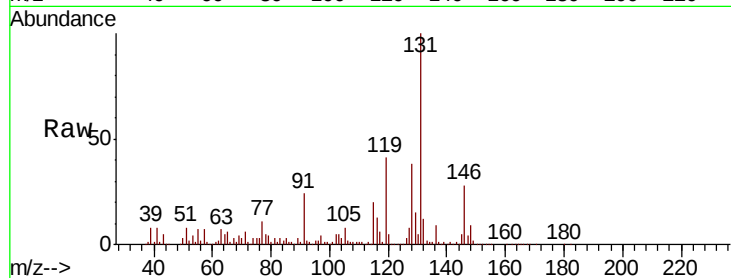
Ion Ratio Lower Upper

136 100

137 14.0 8.9 13.3#

54 14.8 6.6 9.8#

68 14.0 5.0 7.4#



#22

Acetophenone

Concen: 756.805 ng

RT: 7.15 min Scan# 861

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Tgt Ion:105 Resp: 2156928

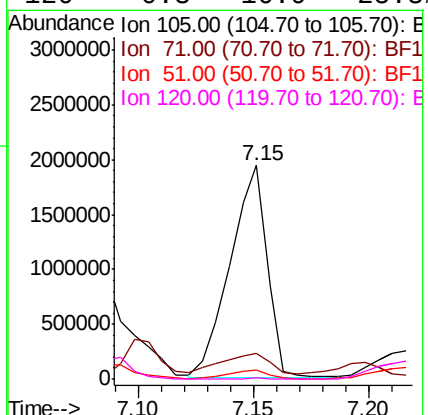
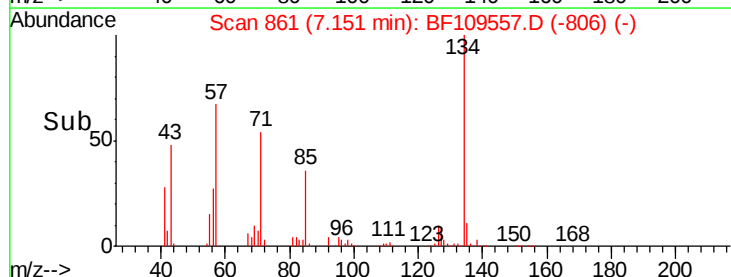
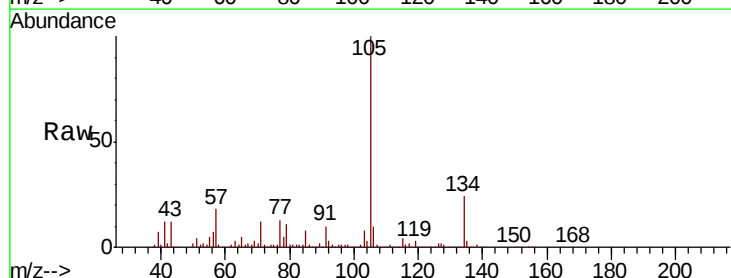
Ion Ratio Lower Upper

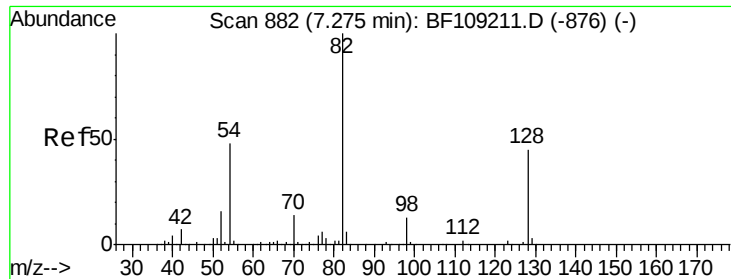
105 100

71 12.1 4.4 6.6#

51 4.2 22.3 33.5#

120 0.3 16.9 25.3#

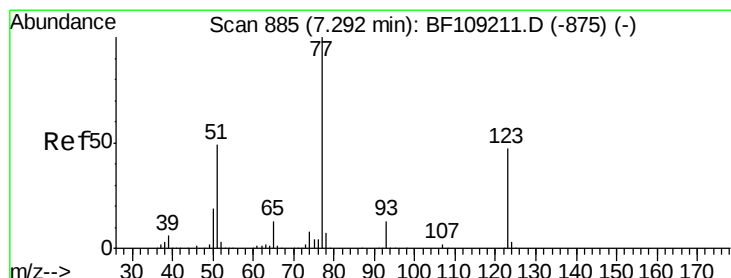
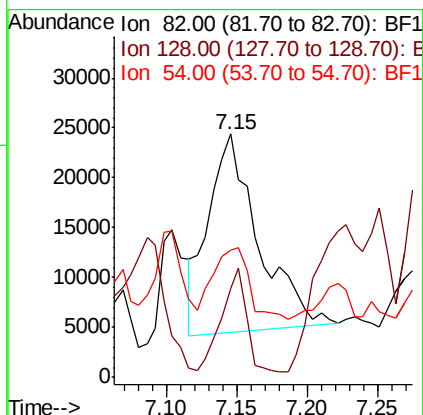
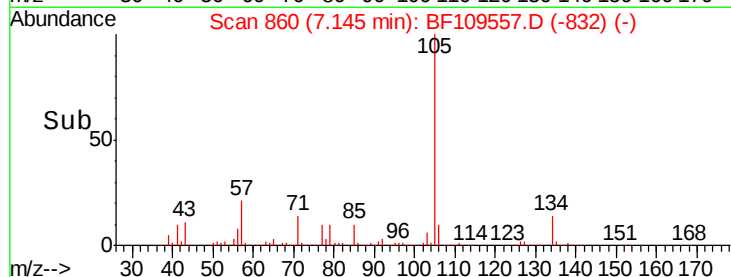
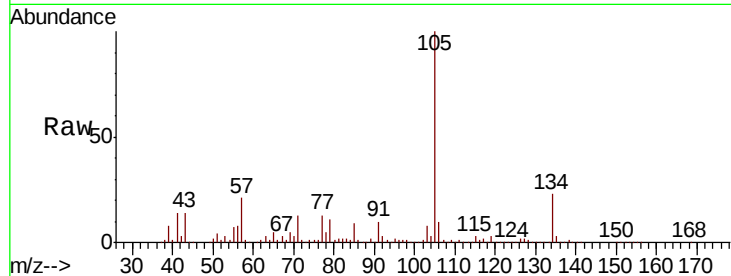




#23  
 Nitrobenzene-d5  
 Concen: 23.489 ng  
 RT: 7.15 min Scan# 860  
 Delta R.T. -0.14 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

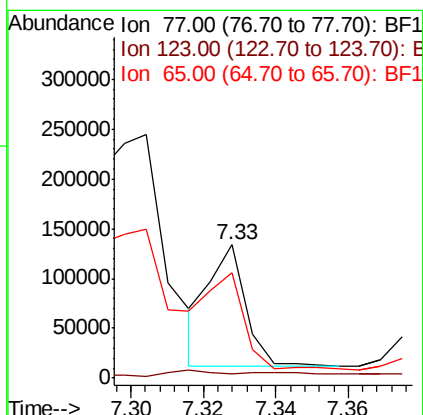
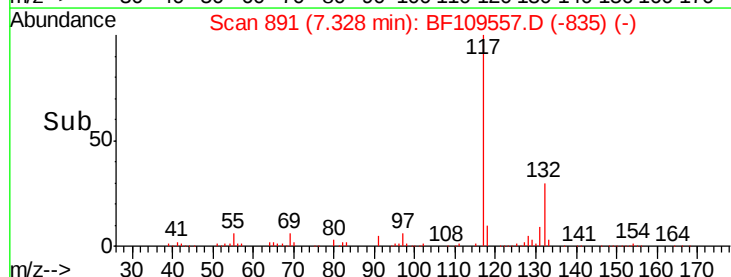
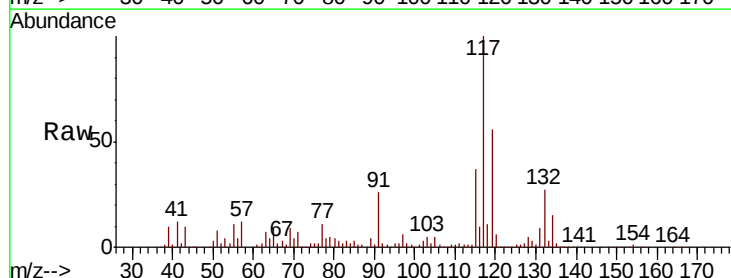
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

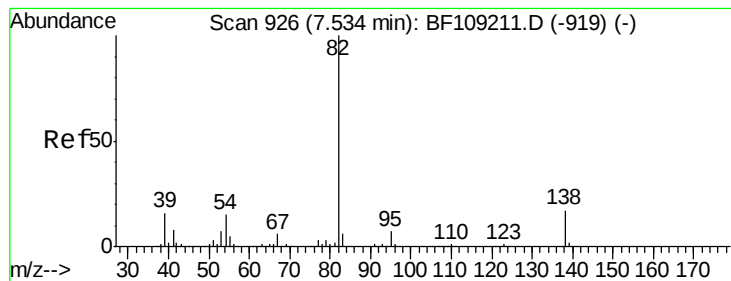
Tgt Ion: 82 Resp: 49051  
 Ion Ratio Lower Upper  
 82 100  
 128 36.3 36.1 54.1  
 54 52.0 41.4 62.2



#24  
 Nitrobenzene  
 Concen: 38.853 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. 0.03 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion: 77 Resp: 86268  
 Ion Ratio Lower Upper  
 77 100  
 123 3.7 37.9 56.9#  
 65 78.8 11.0 16.4#





#25

Isophorone

Concen: 3.263 ng

RT: 7.56 min Scan# 931

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

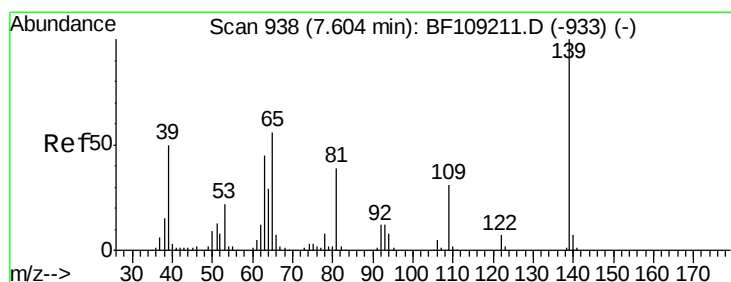
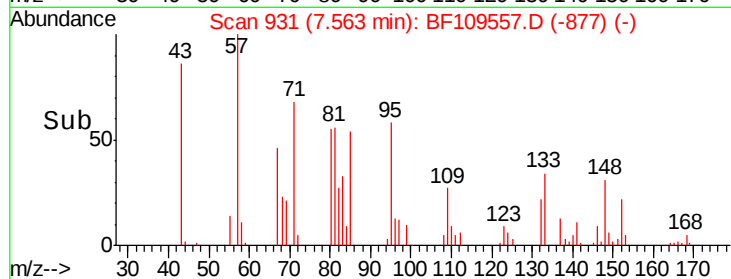
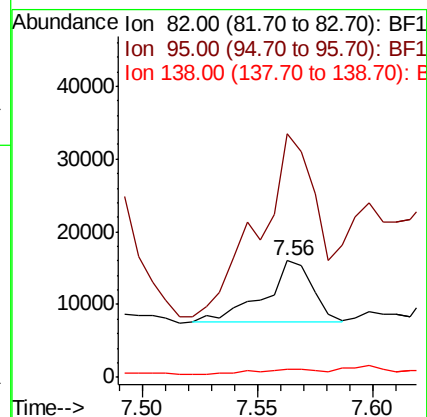
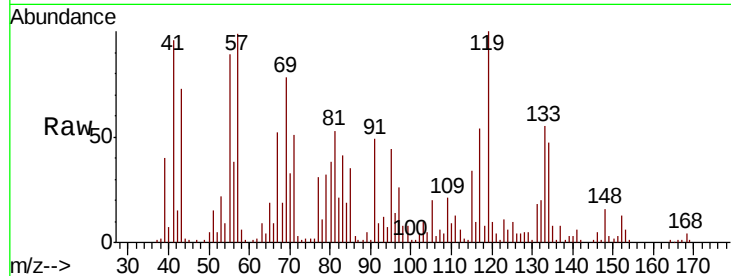
Tgt Ion: 82 Resp: 12270

Ion Ratio Lower Upper

82 100

95 208.9 5.2 7.8#

138 6.8 14.9 22.3#



#26

2-Nitrophenol

Concen: 7.021 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.05 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

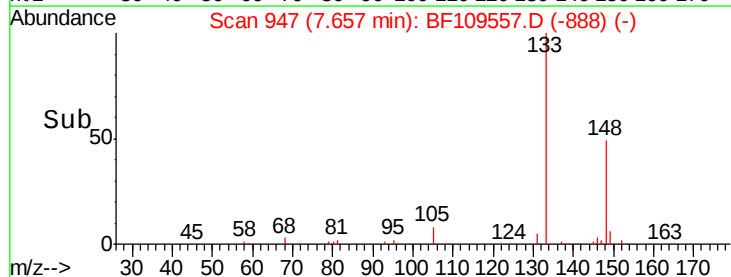
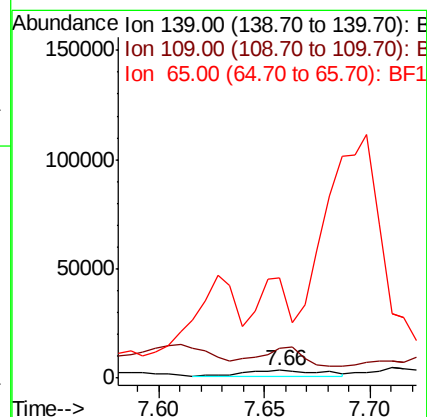
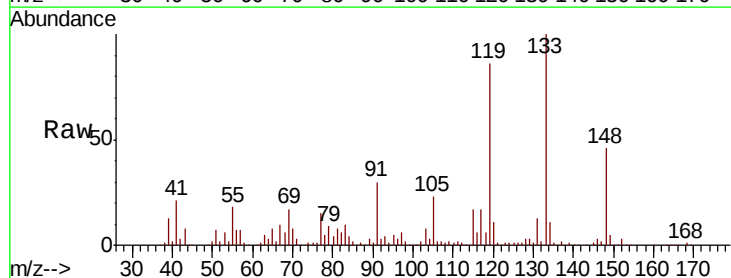
Tgt Ion: 139 Resp: 6165

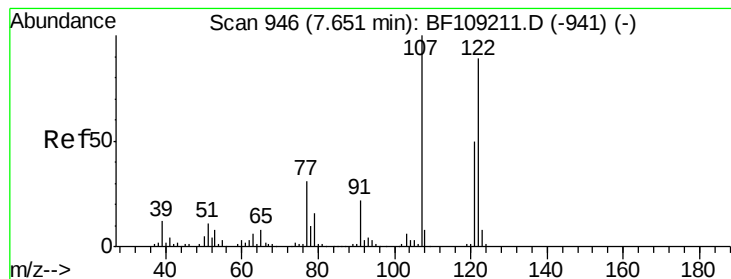
Ion Ratio Lower Upper

139 100

109 389.0 22.7 34.1#

65 1324.4 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 4.824 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampled :

B-7(8-8.5)

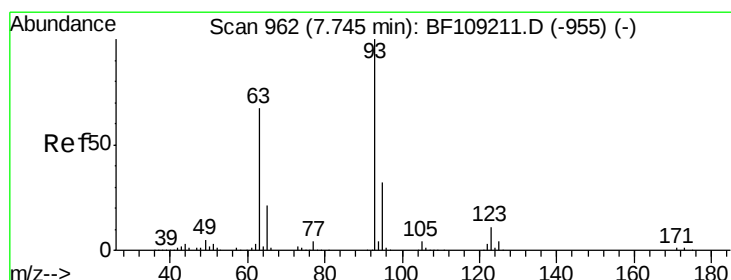
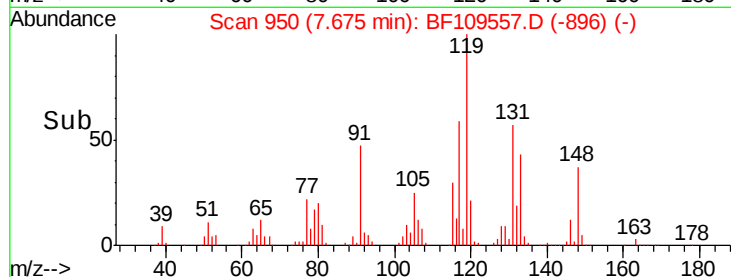
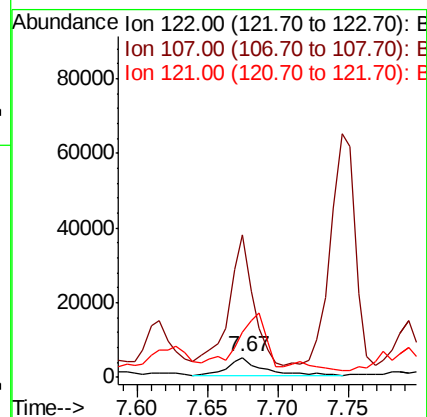
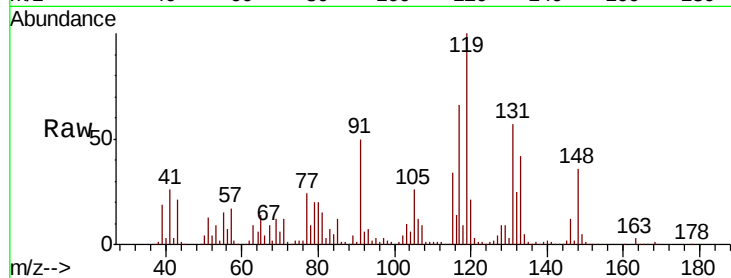
Tgt Ion:122 Resp: 7904

Ion Ratio Lower Upper

122 100

107 721.0 91.2 136.8#

121 229.1 47.2 70.8#



#28

bis(2-Chloroethoxy)methane

Concen: 14.259 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

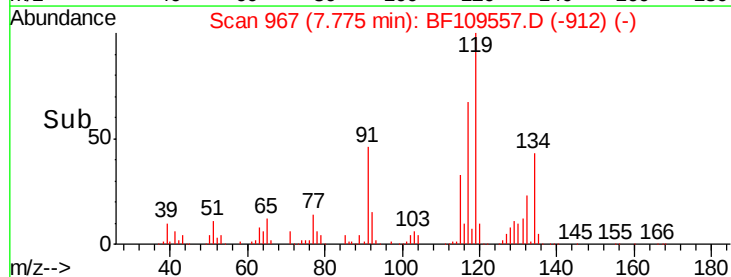
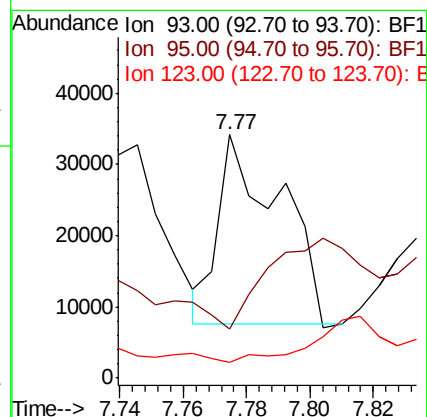
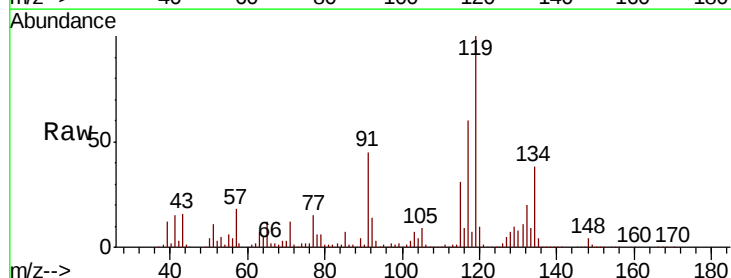
Tgt Ion: 93 Resp: 35495

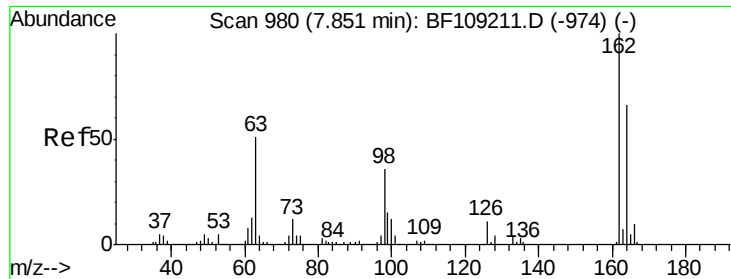
Ion Ratio Lower Upper

93 100

95 20.2 26.3 39.5#

123 6.6 9.8 14.6#

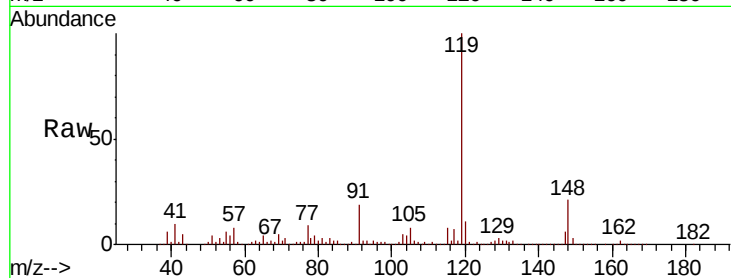




#29  
2,4-Dichlorophenol  
Concen: 11.934 ng  
RT: 7.88 min Scan# 985  
Delta R.T. 0.02 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 3.9   | 42.7  | 82.7# |
| 98      | 29.8  | 18.1  | 58.1  |

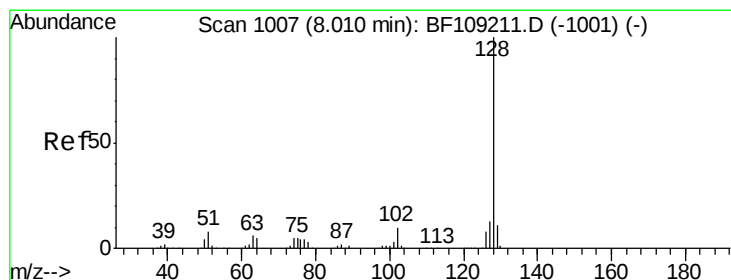
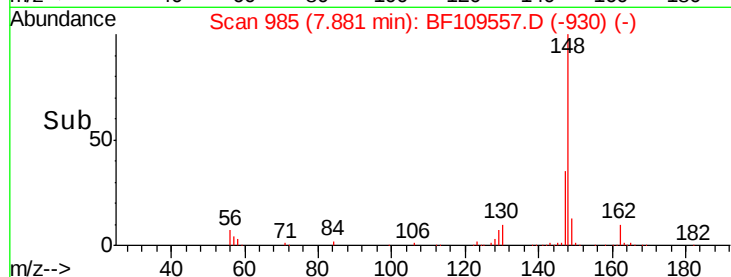
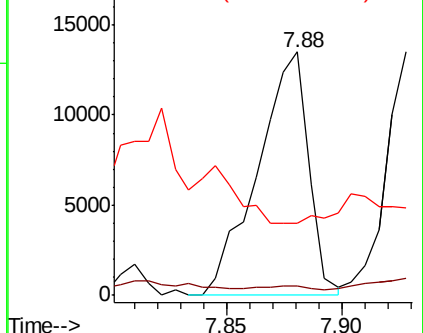


Abundance

Ion 162.00 (161.70 to 162.70): E

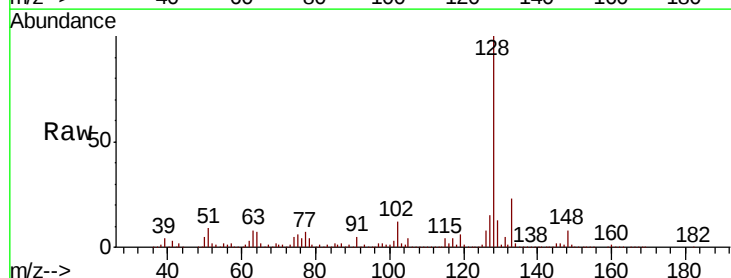
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#31  
Naphthalene  
Concen: 740.632 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. 0.04 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 13.1  | 8.8   | 13.2  |
| 127     | 14.8  | 10.9  | 16.3  |

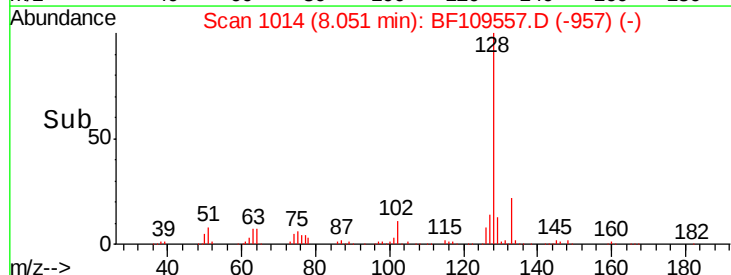
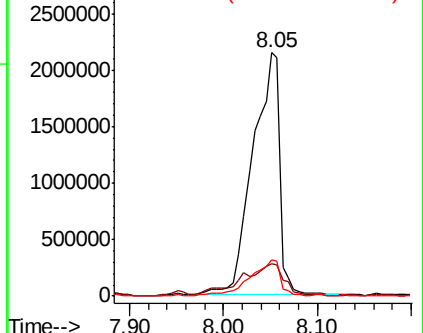


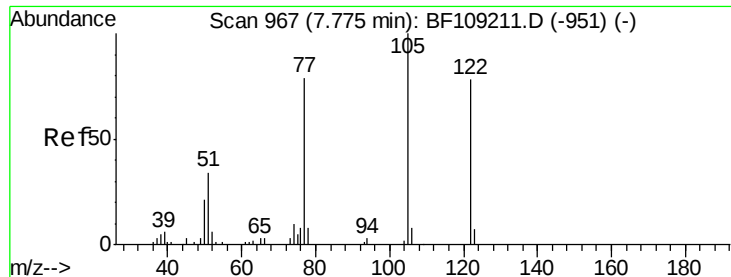
Abundance

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

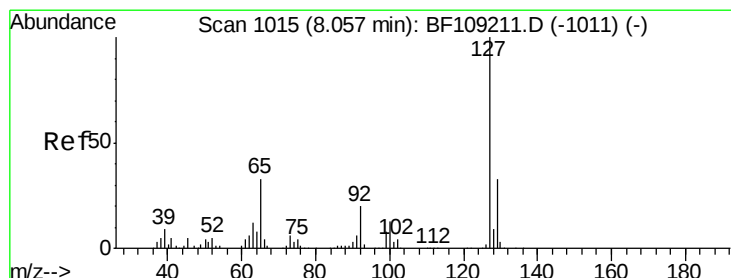
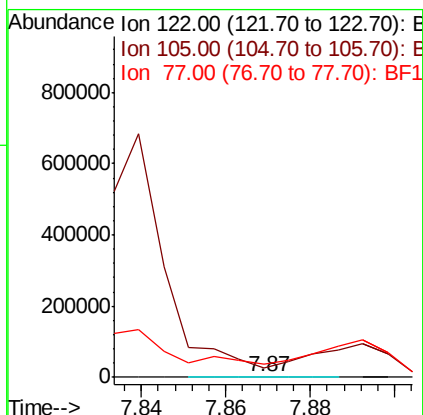
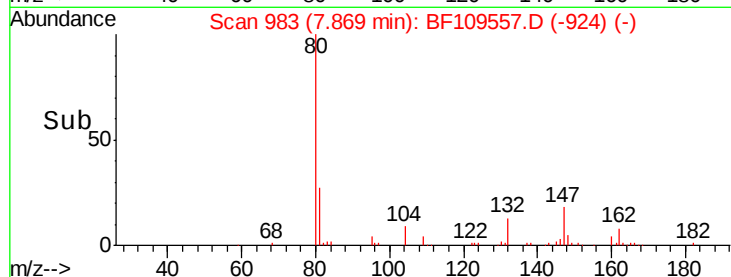
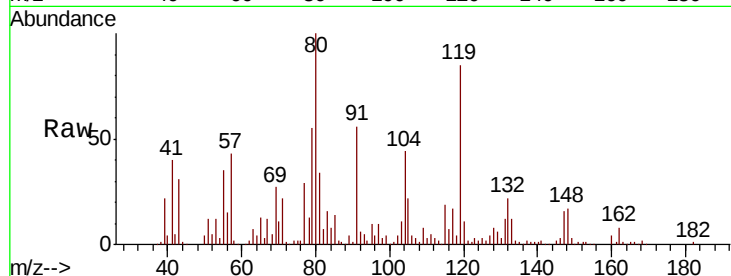




#32  
Benzoic acid  
Concen: 7.614 ng  
RT: 7.87 min Scan# 983  
Delta R.T. 0.05 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

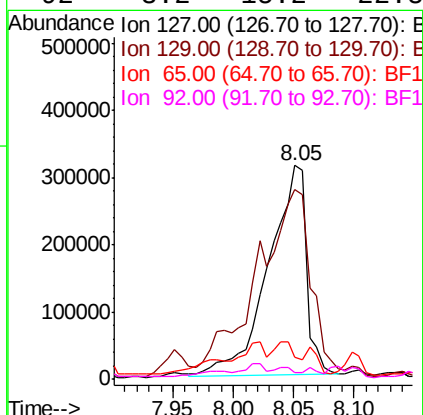
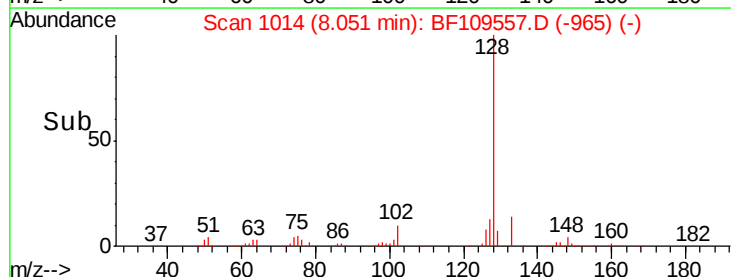
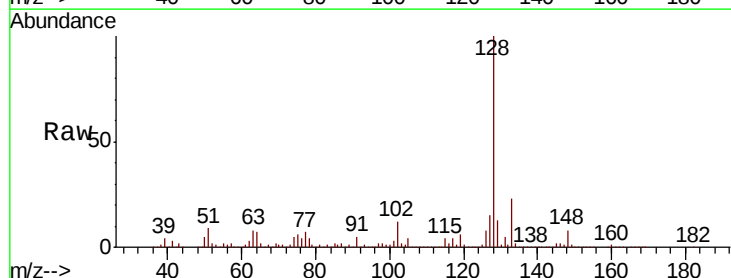
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

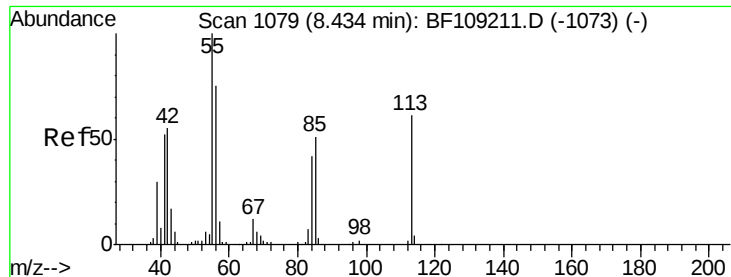
Tgt Ion:122 Resp: 1060  
Ion Ratio Lower Upper  
122 100  
105 1798.7 101.1 141.1#  
77 2343.4 70.7 110.7#



#33  
4-Chloroaniline  
Concen: 269.278 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Tgt Ion:127 Resp: 677642  
Ion Ratio Lower Upper  
127 100  
129 88.4 25.9 38.9#  
65 10.3 25.0 37.4#  
92 3.2 15.2 22.8#

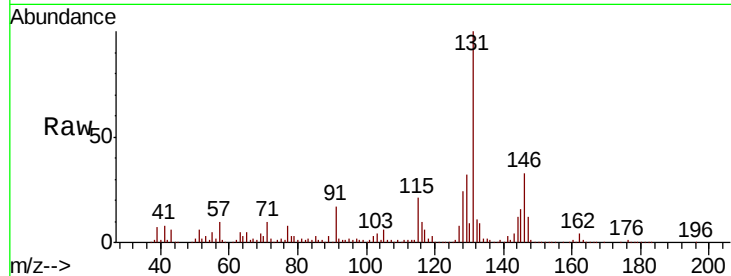




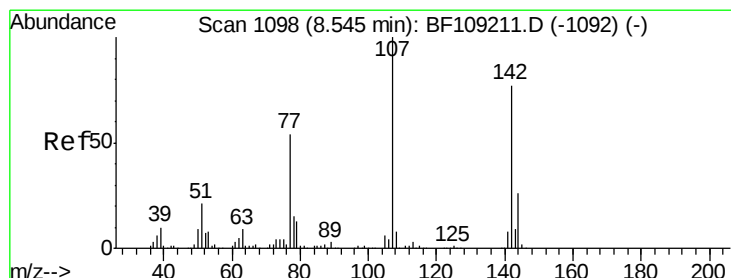
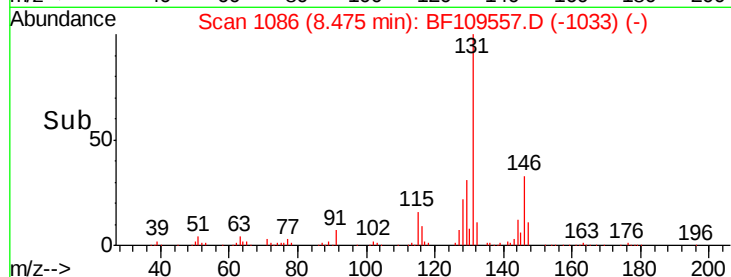
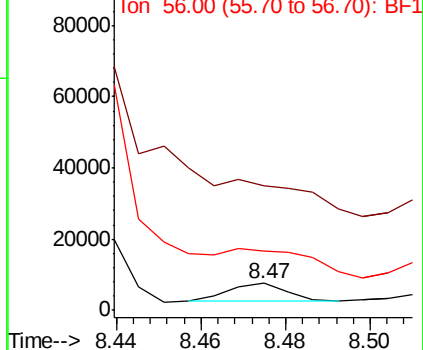
#35  
 Caprolactam  
 Concen: 9.228 ng  
 RT: 8.47 min Scan# 1086  
 Delta R.T. 0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

Tgt Ion:113 Resp: 5072  
 Ion Ratio Lower Upper  
 113 100  
 55 458.3 163.3 203.3#  
 56 217.1 115.7 155.7#

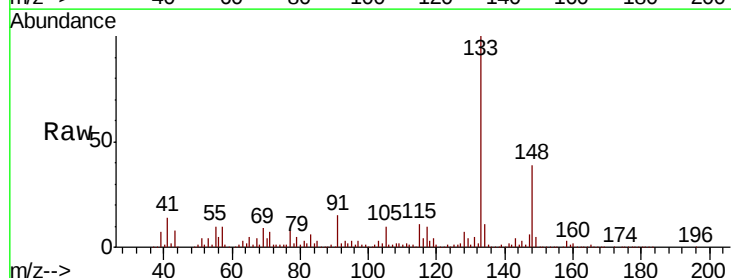


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

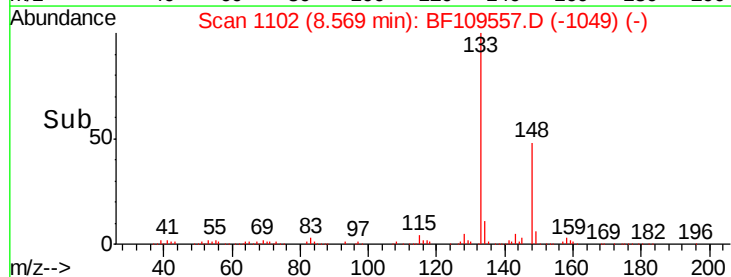
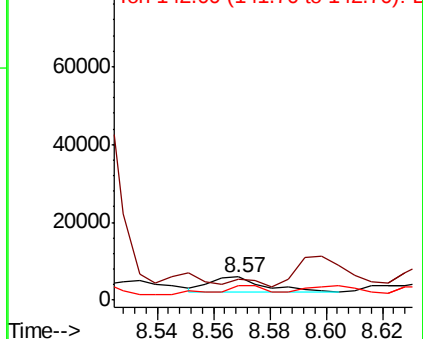


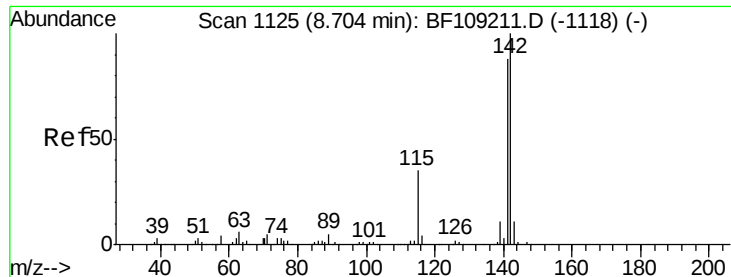
#36  
 4-Chloro-3-methylphenol  
 Concen: 2.734 ng  
 RT: 8.57 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion:107 Resp: 4953  
 Ion Ratio Lower Upper  
 107 100  
 144 89.3 20.5 30.7#  
 142 65.7 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

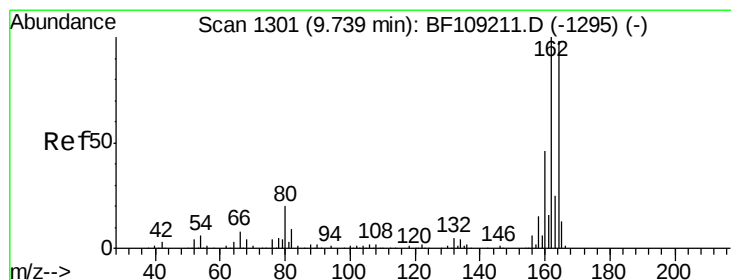
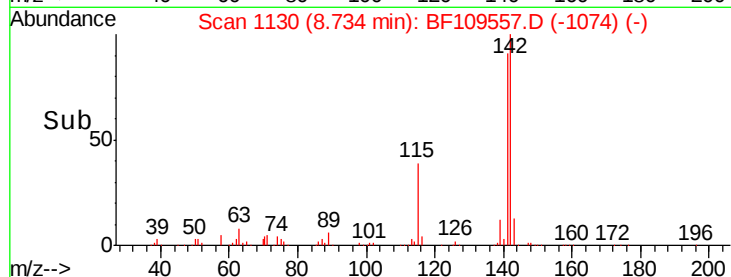
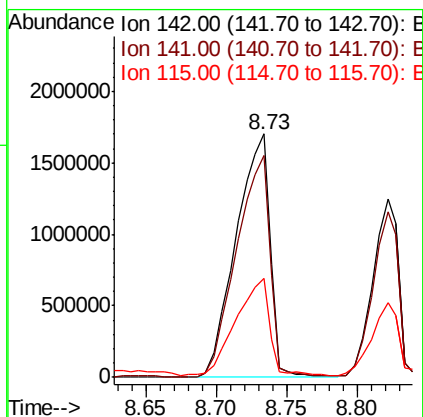
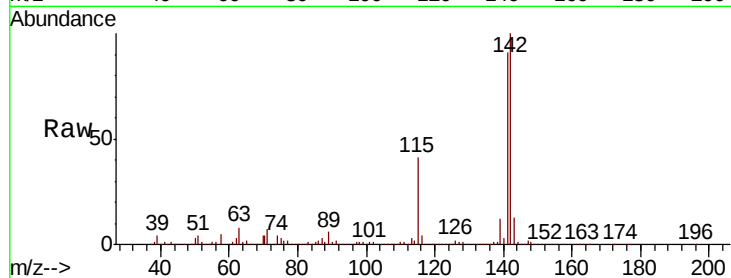




#37  
2-Methylnaphthalene  
Concen: 770.185 ng  
RT: 8.73 min Scan# 1130  
Delta R.T. 0.03 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

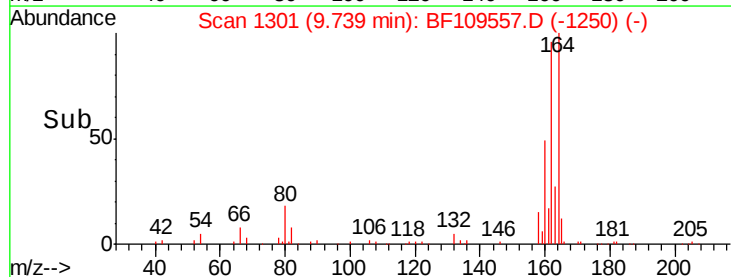
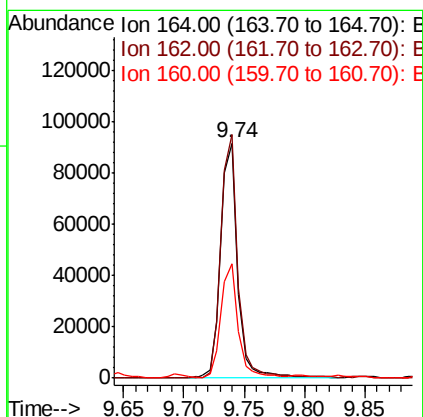
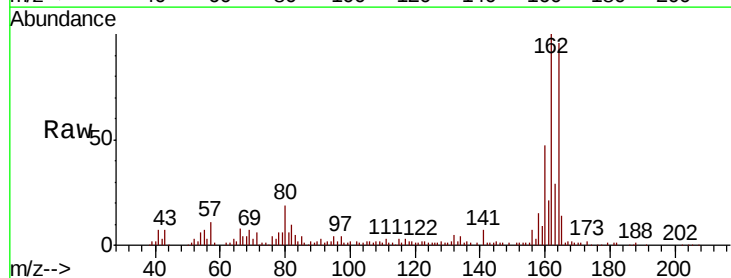
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

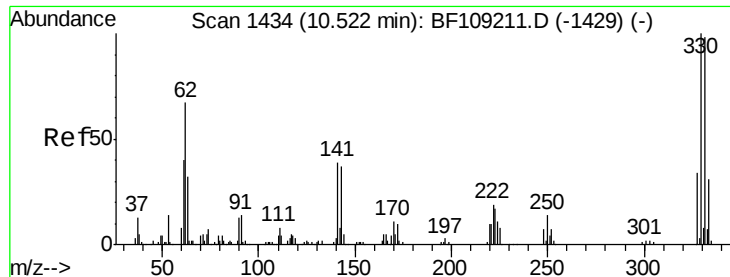
Tgt Ion:142 Resp: 2860106  
Ion Ratio Lower Upper  
142 100  
141 91.1 70.8 106.2  
115 40.6 26.1 39.1#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.74 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Tgt Ion:164 Resp: 89295  
Ion Ratio Lower Upper  
164 100  
162 103.8 86.1 129.1  
160 48.8 38.3 57.5

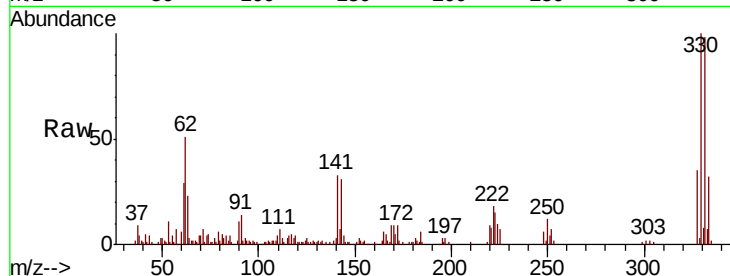




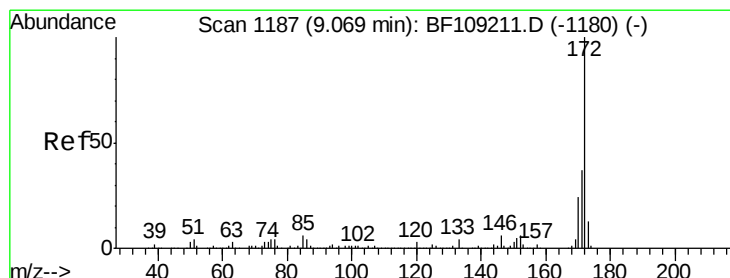
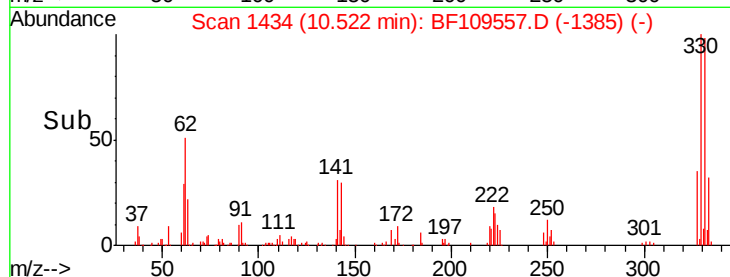
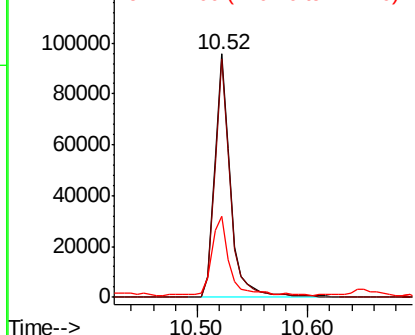
#41  
 2,4,6-Tribromophenol  
 Concen: 106.294 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

Tgt Ion: 330 Resp: 93567  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 35.8 29.9 44.9

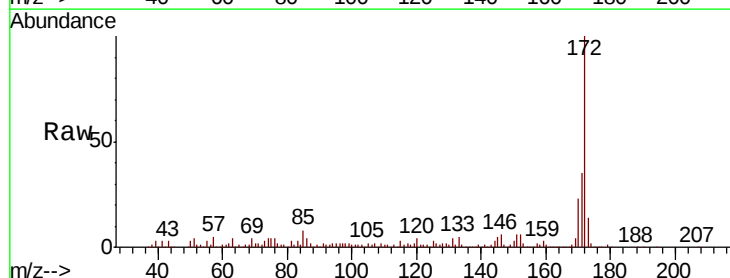


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

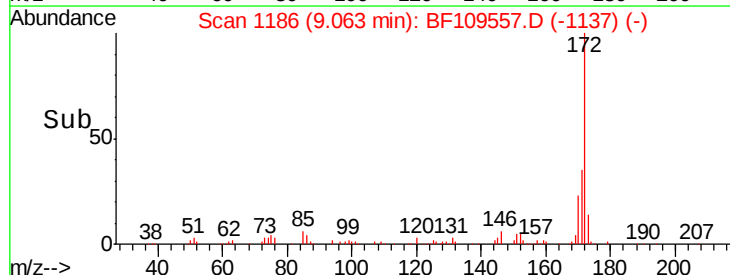
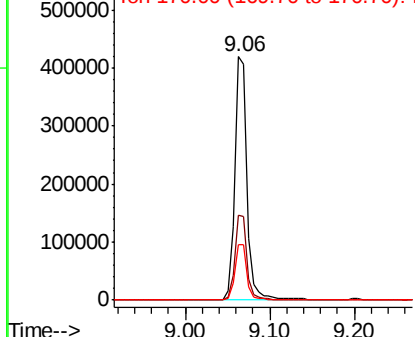


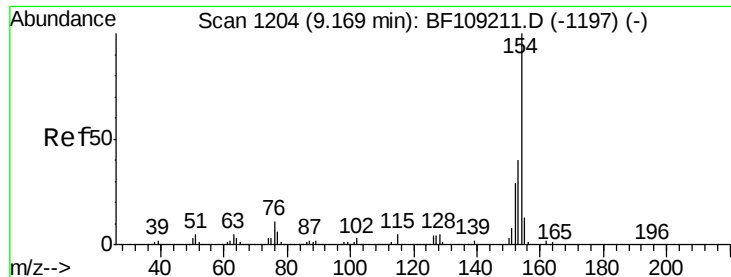
#44  
 2-Fluorobiphenyl  
 Concen: 69.192 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion: 172 Resp: 409665  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.7 44.5  
 170 23.0 19.6 29.4



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

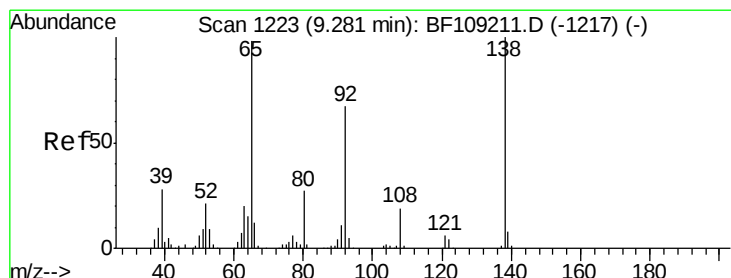
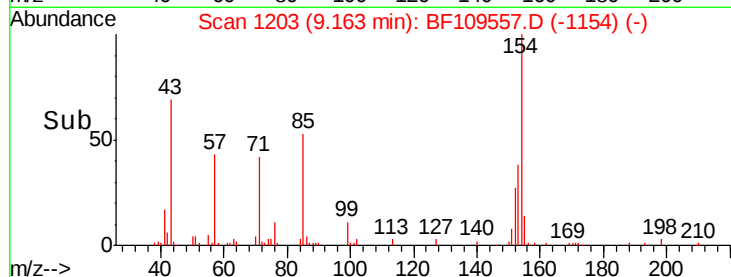
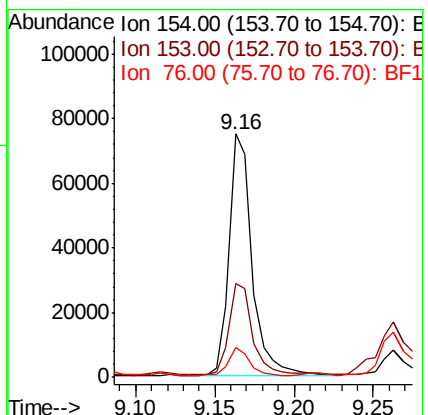
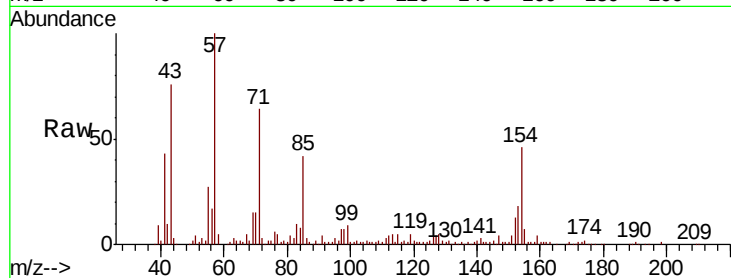




#45  
 1,1'-Biphenyl  
 Concen: 10.462 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

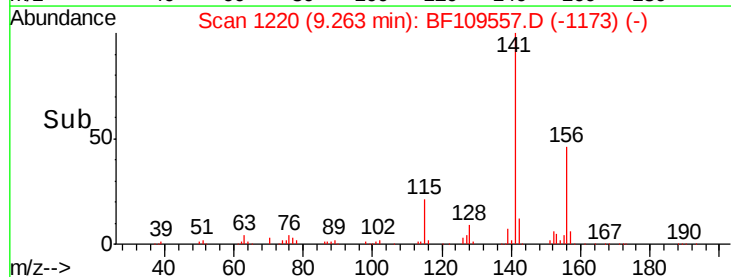
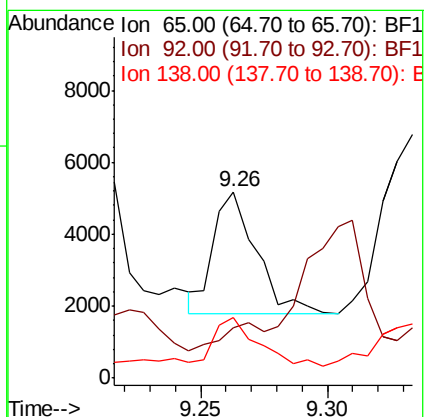
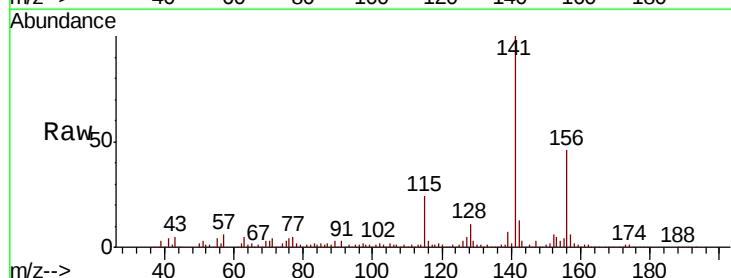
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

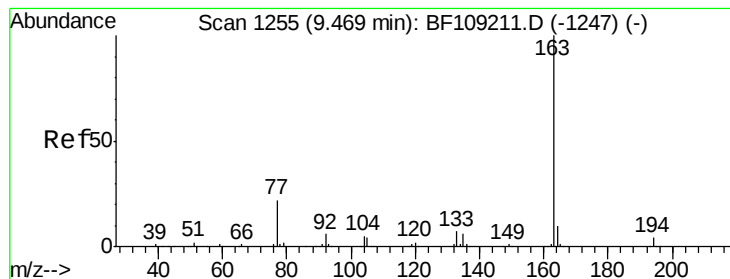
Tgt Ion: 154 Resp: 76116  
 Ion Ratio Lower Upper  
 154 100  
 153 38.5 21.3 61.3  
 76 12.1 0.0 34.0



#47  
 2-Nitroaniline  
 Concen: 2.433 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. -0.02 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion: 65 Resp: 4010  
 Ion Ratio Lower Upper  
 65 100  
 92 27.2 55.8 83.6#  
 138 32.7 91.2 136.8#





#49

Dimethylphthalate

Concen: 17.093 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

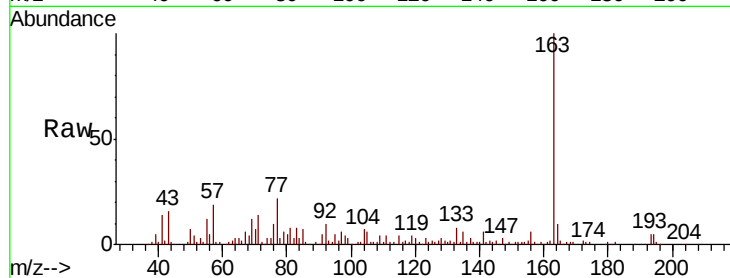
Tgt Ion:163 Resp: 111017

Ion Ratio Lower Upper

163 100

194 4.9 2.7 4.1#

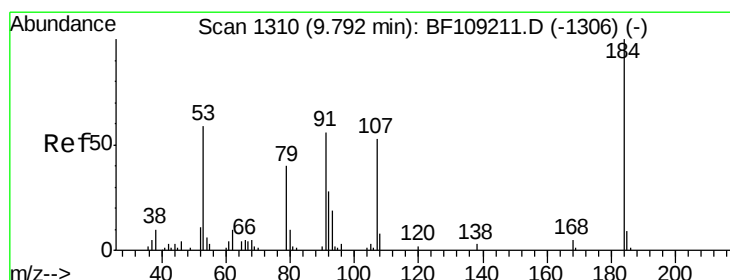
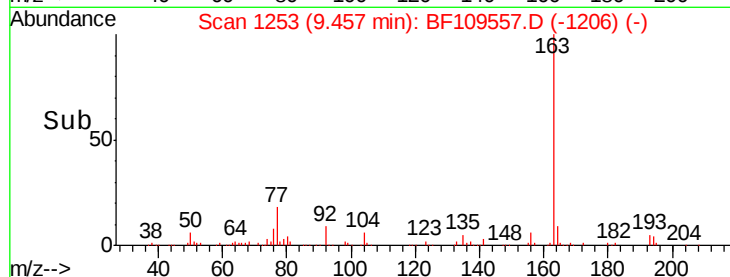
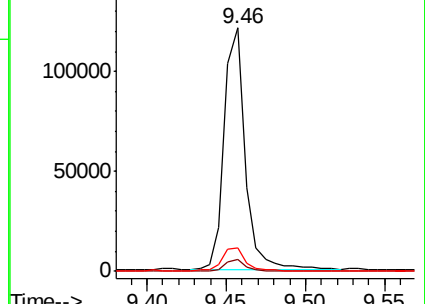
164 9.7 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.715 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

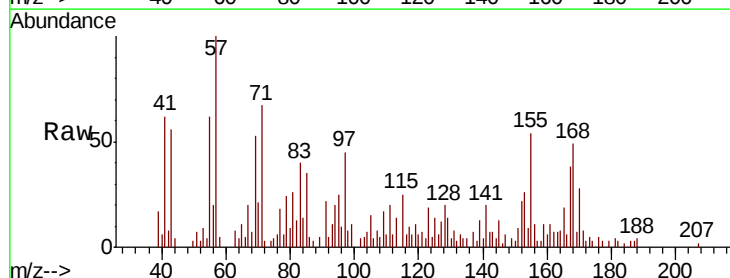
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 342.5 54.2 81.2#

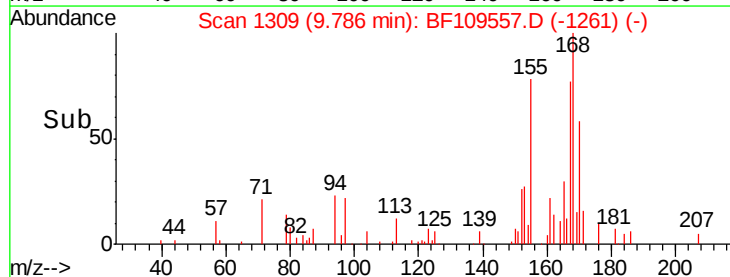
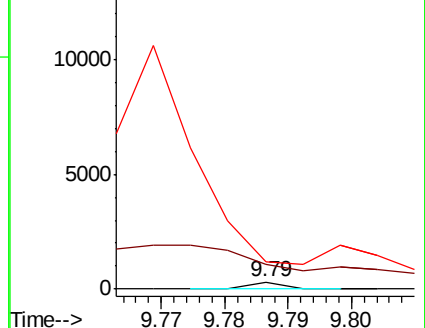
154 388.3 184.0 276.0#

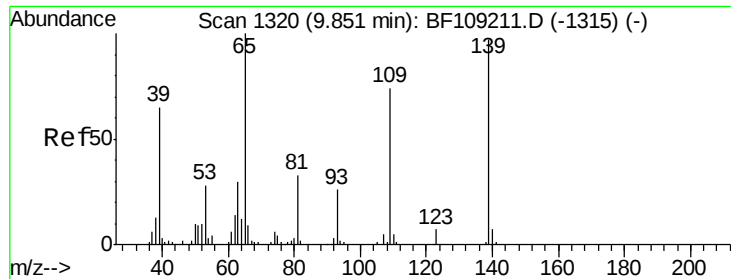


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 2.052 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.19 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Instrument :

BNA\_F

ClientSampleId :

B-7(8-8.5)

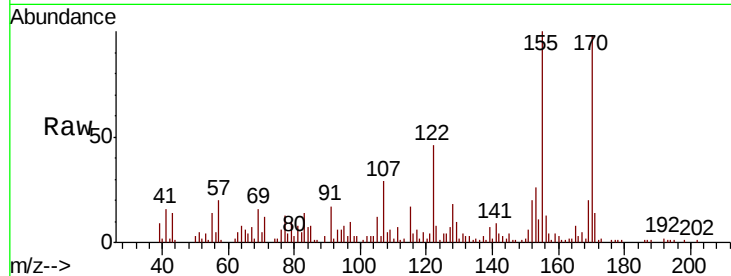
Tgt Ion:139 Resp: 2303

Ion Ratio Lower Upper

139 100

109 81.6 48.4 88.4

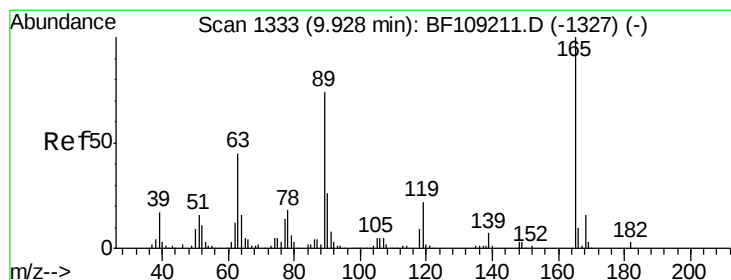
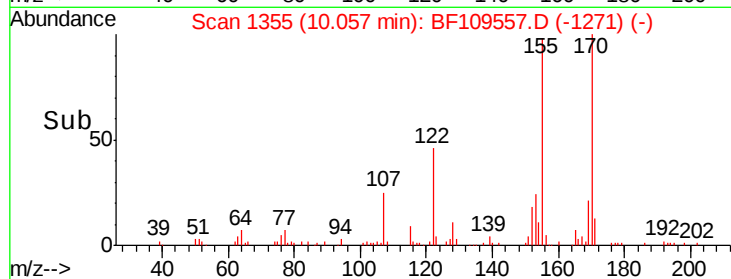
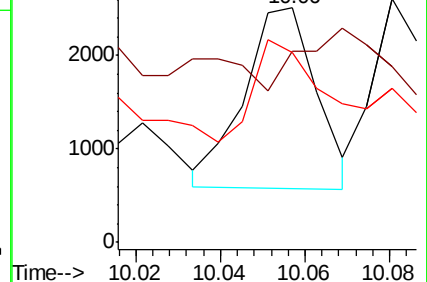
65 81.1 72.6 112.6



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: 2.319 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF109557.D

Acq: 3 Oct 2018 20:02

Tgt Ion:165 Resp: 3774

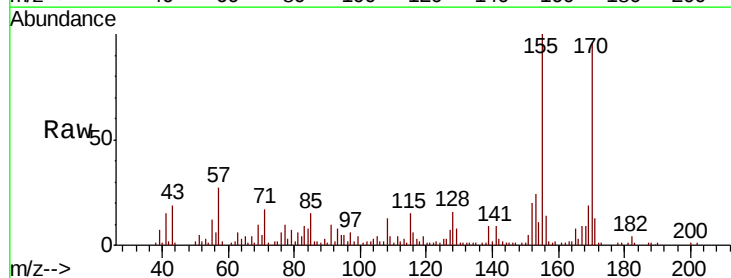
Ion Ratio Lower Upper

165 100

63 72.2 36.4 54.6#

89 38.4 57.8 86.6#

182 56.3 1.6 2.4#

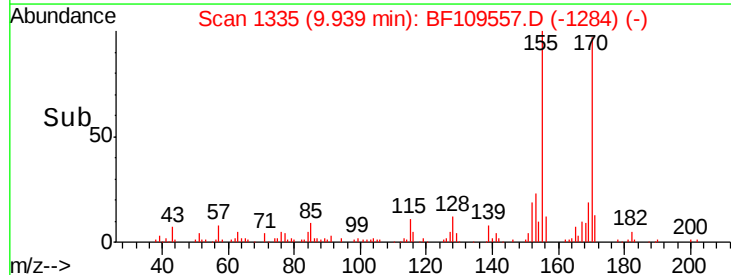
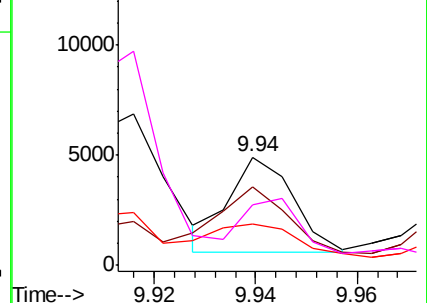


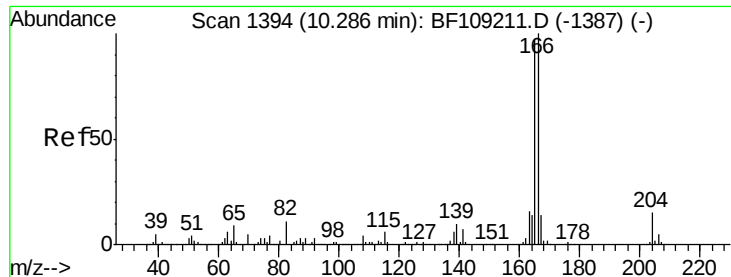
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

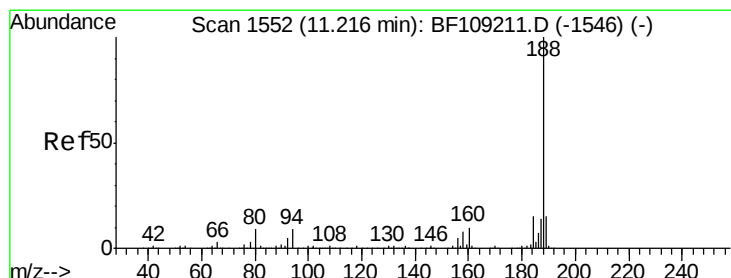
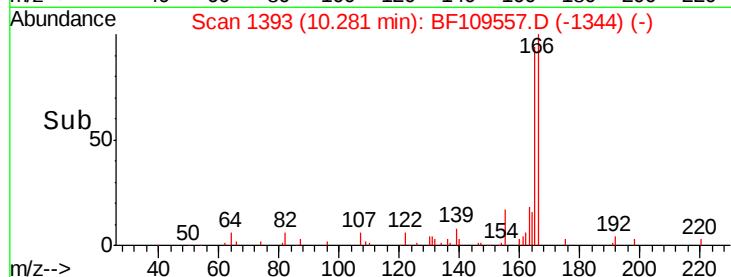
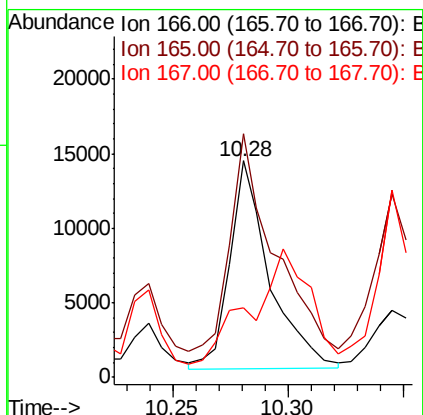
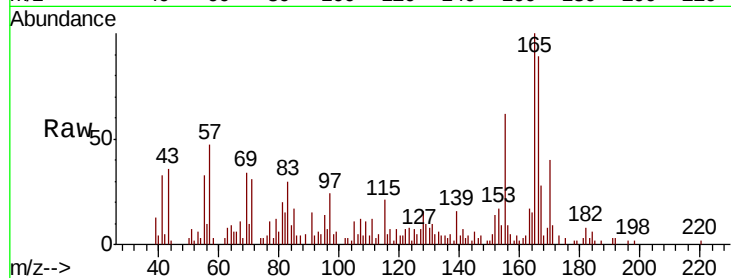




#57  
 Fluorene  
 Concen: 2.970 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

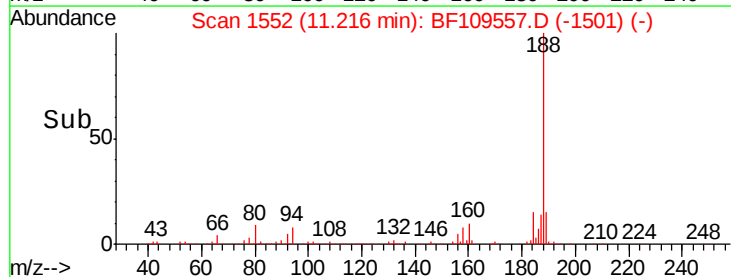
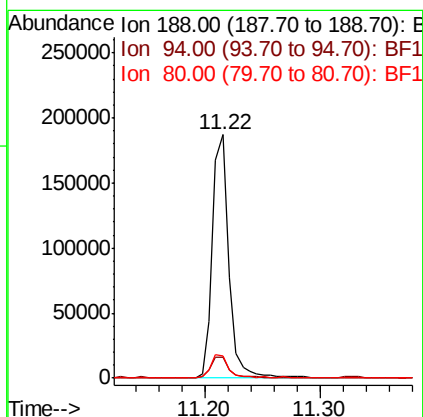
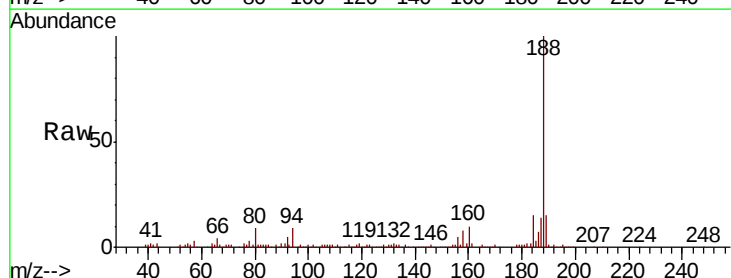
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

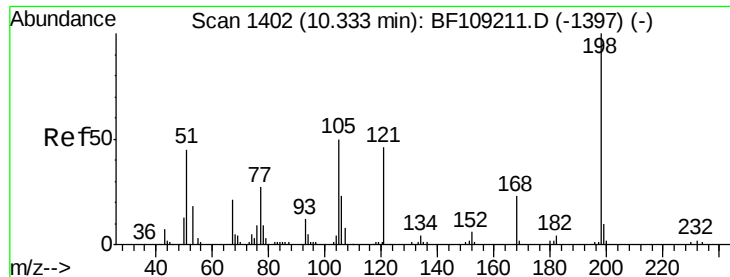
Tgt Ion:166 Resp: 16709  
 Ion Ratio Lower Upper  
 166 100  
 165 112.6 79.8 119.8  
 167 32.0 10.6 16.0#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.00 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion:188 Resp: 185991  
 Ion Ratio Lower Upper  
 188 100  
 94 8.8 8.5 12.7  
 80 9.1 9.2 13.8#

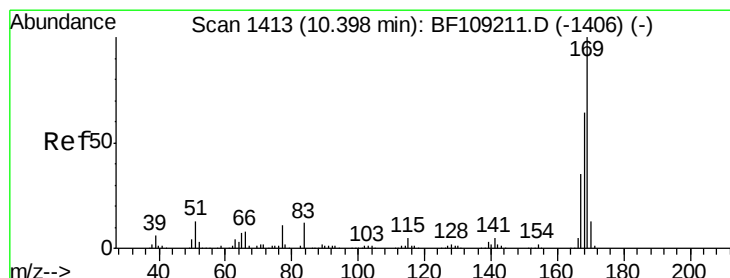
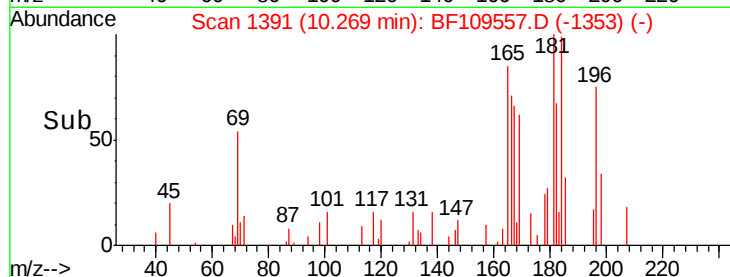
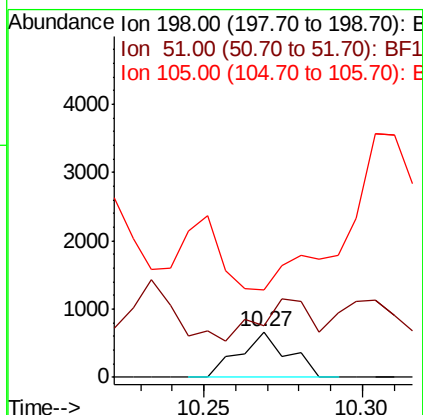
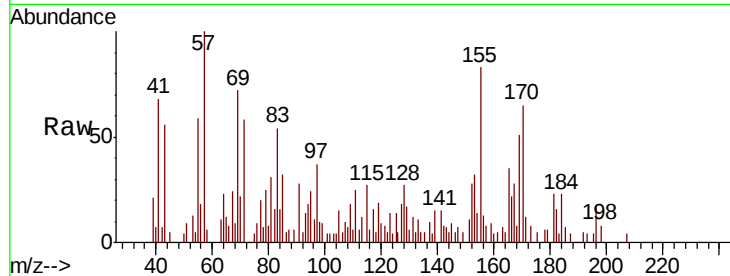




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.337 ng  
 RT: 10.27 min Scan# 1391  
 Delta R.T. -0.08 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

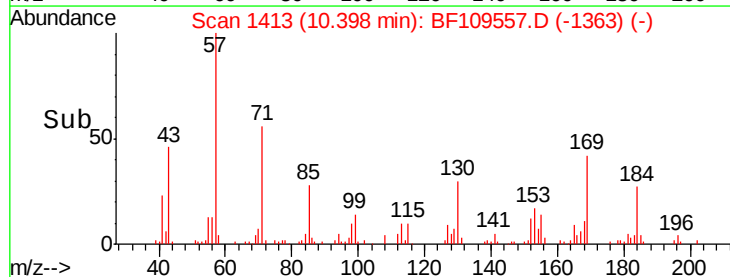
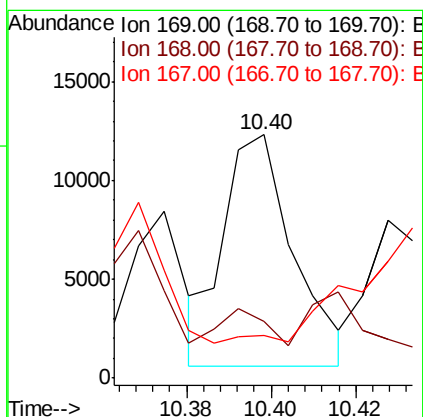
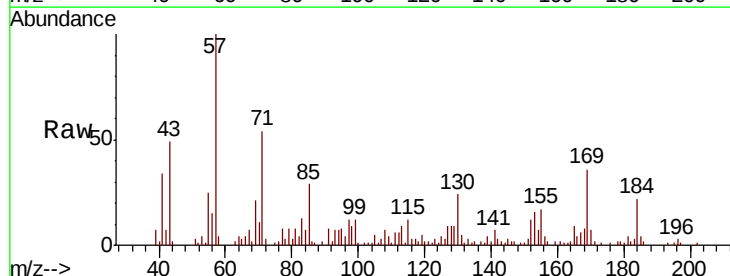
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

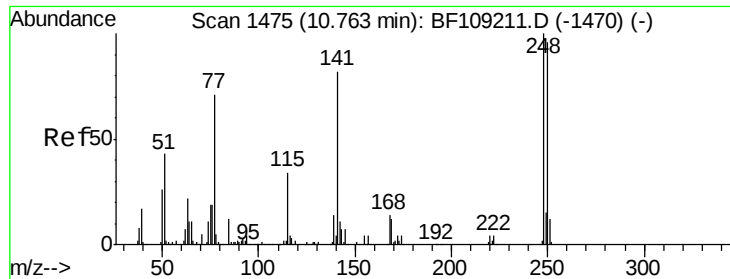
Tgt Ion:198 Resp: 704  
 Ion Ratio Lower Upper  
 198 100  
 51 113.7 37.7 77.7#  
 105 193.4 36.3 76.3#



#65  
 n-Nitrosodiphenylamine  
 Concen: 2.185 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion:169 Resp: 13424  
 Ion Ratio Lower Upper  
 169 100  
 168 23.3 54.4 81.6#  
 167 17.5 29.8 44.6#

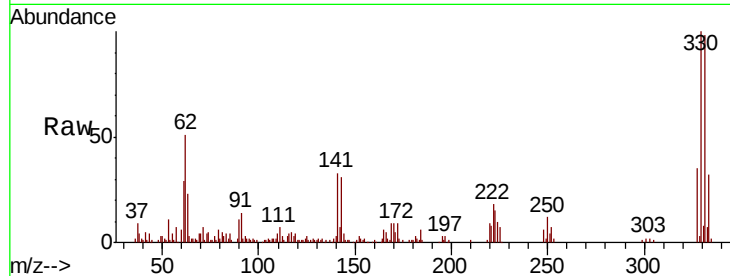




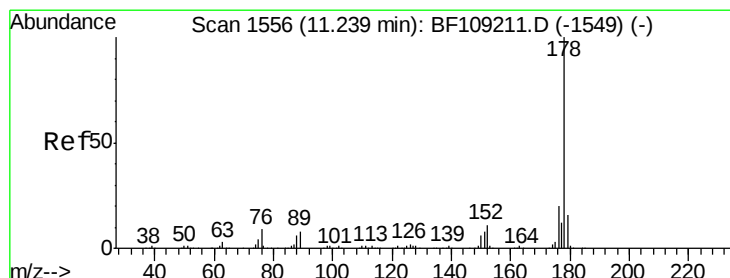
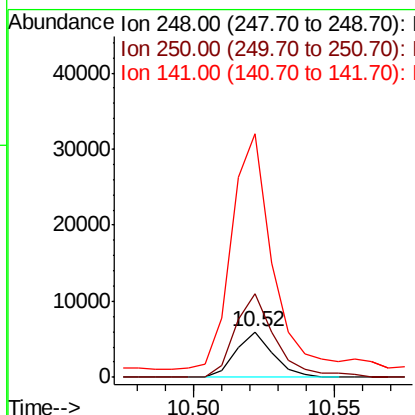
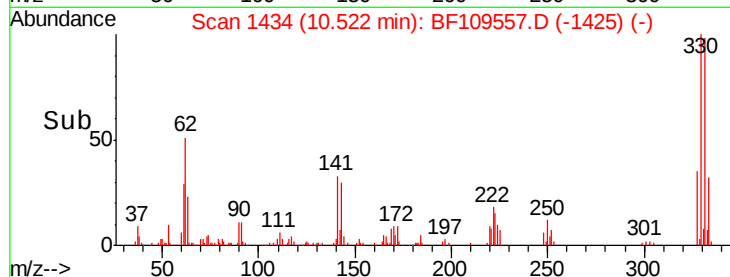
#66  
4-Bromophenyl-phenylether  
Concen: 2.641 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.25 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(8-8.5)

Tgt Ion: 248 Resp: 5455  
Ion Ratio Lower Upper  
248 100  
250 184.1 76.9 115.3#  
141 533.4 74.4 111.6#

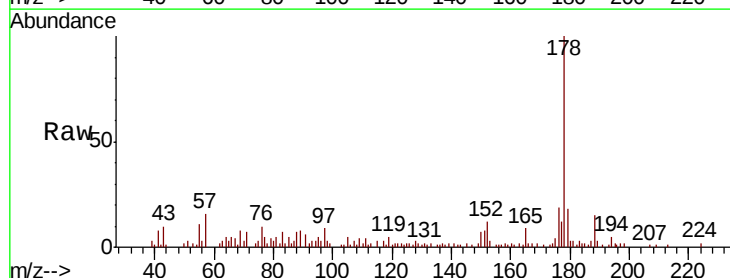


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

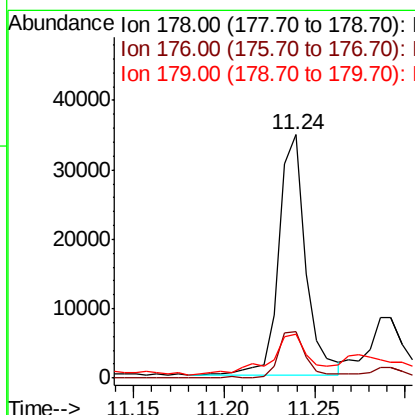
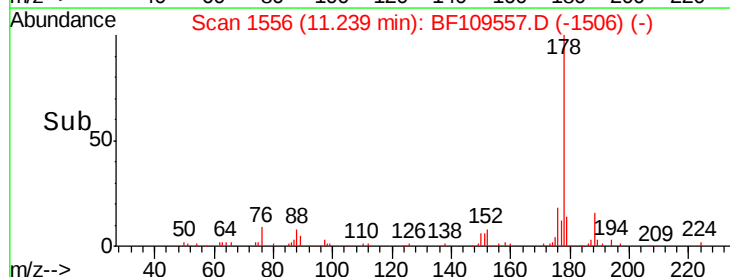


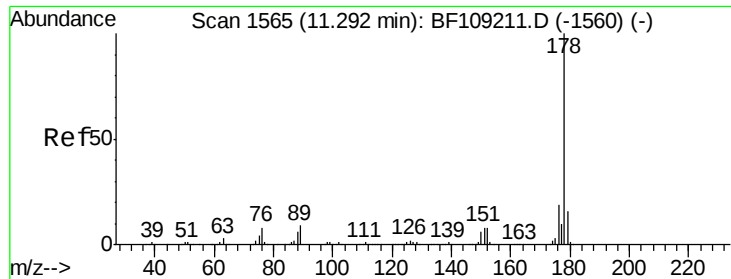
#70  
Phenanthrene  
Concen: 3.883 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF109557.D  
Acq: 3 Oct 2018 20:02

Tgt Ion: 178 Resp: 36061  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.8 23.8  
179 17.8 13.0 19.6



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

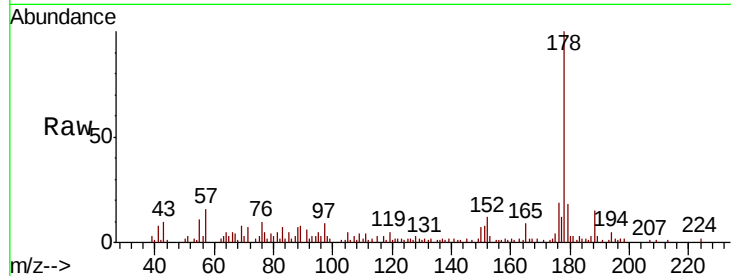




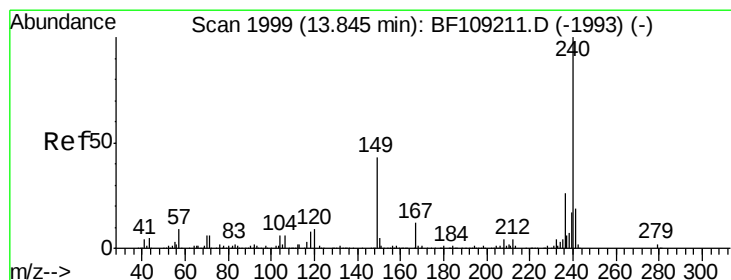
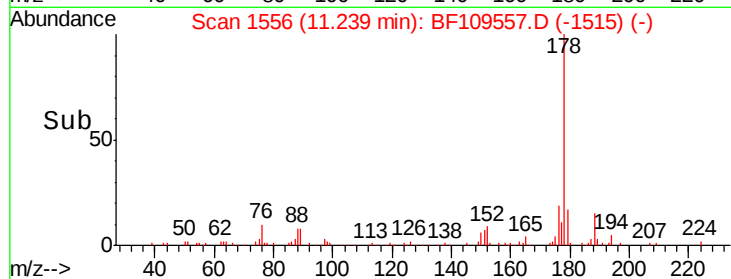
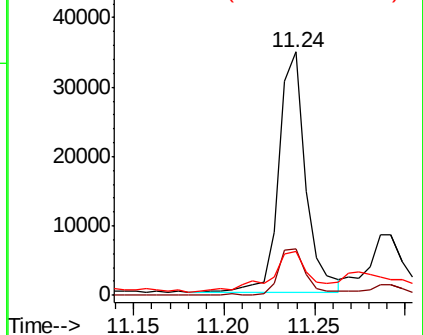
#71  
 Anthracene  
 Concen: 3.829 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. -0.06 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

Tgt Ion:178 Resp: 36061  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.4 23.2  
 179 17.8 12.6 19.0

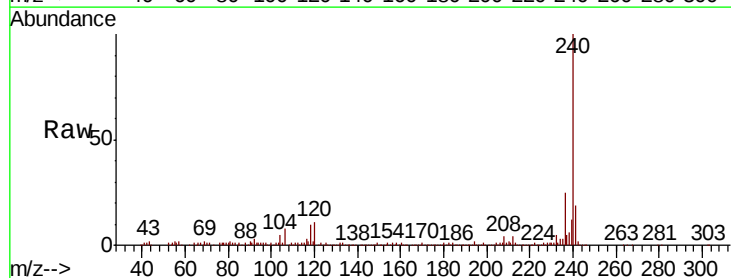


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

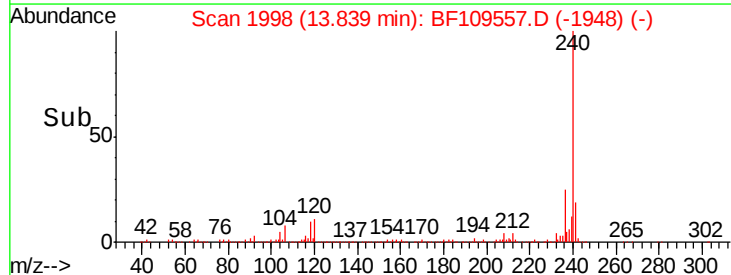
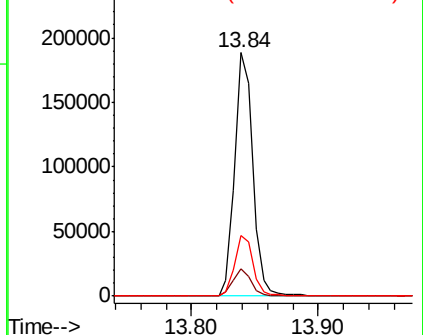


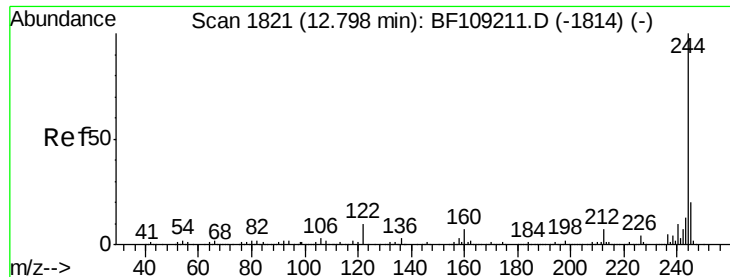
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion:240 Resp: 186007  
 Ion Ratio Lower Upper  
 240 100  
 120 11.1 9.5 14.3  
 236 25.1 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

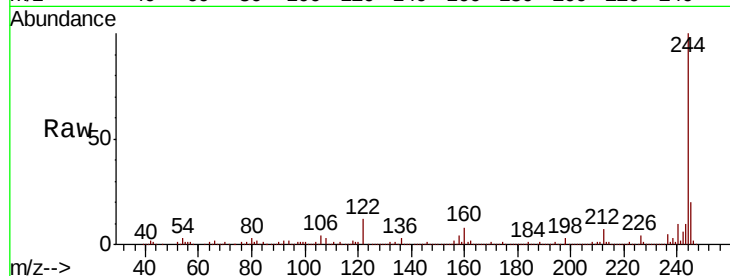




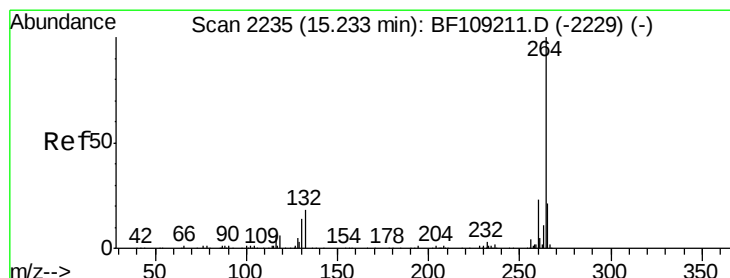
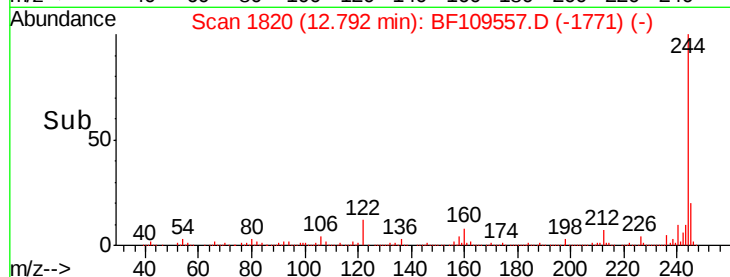
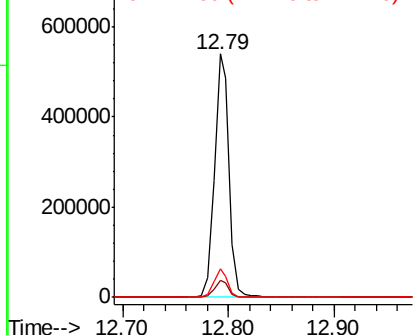
#78  
 Terphenyl-d14  
 Concen: 69.556 ng  
 RT: 12.79 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(8-8.5)

Tgt Ion:244 Resp: 527185  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 11.8 11.0 16.4

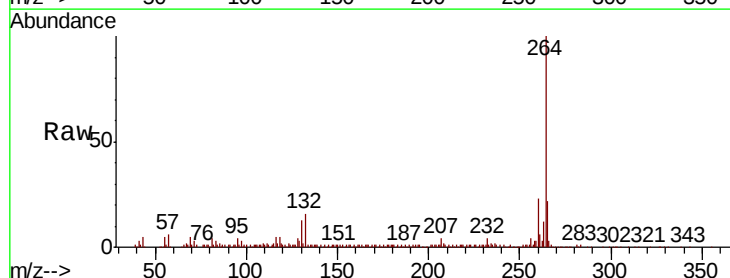


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2237  
 Delta R.T. 0.01 min  
 Lab File: BF109557.D  
 Acq: 3 Oct 2018 20:02

Tgt Ion:264 Resp: 131761  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 19.2 28.8  
 265 21.7 17.5 26.3



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

