

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF022819\  
 Data File : BF112783.D  
 Acq On : 1 Mar 2019 1:21  
 Operator : JU/SJ  
 Sample : K1349-15 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-022719-B

Quant Time: Mar 01 04:56:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 27 16:08:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 198412   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 741052   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.77  | 164  | 314443   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 553569   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.87 | 240  | 530835   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.29 | 264  | 485483   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.34  | 112  | 238940   | 18.73 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 313594   | 19.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 175471   | 14.17 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 67925    | 20.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 317486   | 4.90  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.83 | 244  | 297823   | 10.88 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 4) n-Nitrosodimethylamine      | 3.14  | 42   | 421      | 0.056 | ng    | # 1    |
| 6) Aniline                     | 6.50  | 93   | 486      | 0.022 | ng    | # 1    |
| 9) Benzaldehyde                | 6.27  | 77   | 439      | 0.038 | ng    | # 1    |
| 10) Phenol                     | 6.37  | 94   | 5572     | 0.298 | ng    | # 89   |
| 11) bis(2-Chloroethyl)ether    | 6.50  | 93   | 486      | 0.034 | ng    | # 1    |
| 15) Benzyl Alcohol             | 6.90  | 79   | 3145     | 0.257 | ng    | # 44   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.77  | 45   | 107      | 0.004 | ng    | # 71   |
| 18) Hexachloroethane           | 7.24  | 117  | 417      | 0.074 | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 922      | 0.091 | ng    | # 80   |
| 22) Acetophenone               | 7.15  | 105  | 5165     | 0.298 | ng    | # 45   |
| 24) Nitrobenzene               | 7.28  | 77   | 2001     | 0.145 | ng    | # 1    |
| 25) Isophorone                 | 7.66  | 82   | 5274     | 0.198 | ng    | # 63   |
| 27) 2,4-Dimethylphenol         | 7.73  | 122  | 114      | 0.011 | ng    | # 4    |
| 28) bis(2-Chloroethoxy)methane | 7.79  | 93   | 438      | 0.026 | ng    | # 1    |
| 29) 2,4-Dichlorophenol         | 7.94  | 162  | 192      | 0.019 | ng    | # 39   |
| 31) Naphthalene                | 8.05  | 128  | 16798    | 0.457 | ng    | # 97   |
| 32) Benzoic acid               | 7.73  | 122  | 114      | 0.015 | ng    | # 75   |
| 33) 4-Chloroaniline            | 8.05  | 127  | 2222     | 0.143 | ng    | # 36   |
| 35) Caprolactam                | 8.46  | 113  | 1772     | 0.486 | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.57  | 107  | 229      | 0.020 | ng    | # 20   |
| 37) 2-Methylnaphthalene        | 8.73  | 142  | 15700    | 0.661 | ng    | # 98   |
| 38) 1-Methylnaphthalene        | 8.83  | 142  | 10988    | 0.477 | ng    | # 99   |
| 46) 1,1'-Biphenyl              | 9.20  | 154  | 4724     | 0.184 | ng    | # 95   |
| 47) 2-Chloronaphthalene        | 9.31  | 162  | 239      | 0.012 | ng    | # 31   |
| 48) 2-Nitroaniline             | 9.32  | 65   | 405      | 0.067 | ng    | # 4    |
| 49) Acenaphthylene             | 9.63  | 152  | 9870     | 0.290 | ng    | # 92   |
| 50) Dimethylphthalate          | 9.49  | 163  | 28948    | 1.249 | ng    | # 99   |
| 51) 2,6-Dinitrotoluene         | 9.49  | 165  | 1500     | 0.311 | ng    | # 69   |
| 52) Acenaphthene               | 9.80  | 154  | 15313    | 0.770 | ng    | # 98   |
| 53) 3-Nitroaniline             | 9.73  | 138  | 106      | 0.018 | ng    | # 1    |
| 55) Dibenzofuran               | 9.97  | 168  | 12474    | 0.432 | ng    | # 94   |
| 56) 4-Nitrophenol              | 9.88  | 139  | 1007     | 0.211 | ng    | # 29   |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 43202    | 7.199 | ng    | # 18   |
| 58) Fluorene                   | 10.32 | 166  | 21966    | 1.071 | ng    | # 90   |

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 Operator : JU/SJ  
 Sample : K1349-15 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

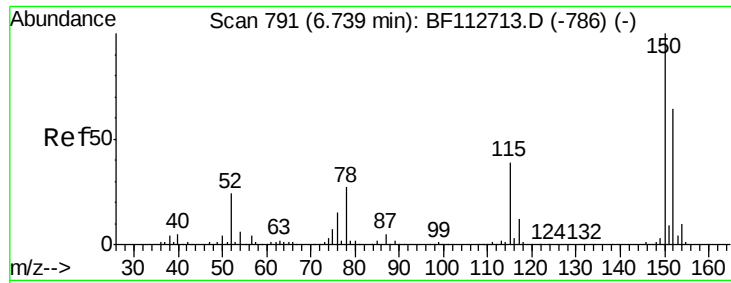
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-022719-B

Quant Time: Mar 01 04:56:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 27 16:08:50 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 60) Diethylphthalate           | 10.19 | 149  | 939      | 0.038  | ng    | # 54     |
| 61) 4-Chlorophenyl-phenylether | 10.17 | 204  | 107      | 0.011  | ng    | # 1      |
| 62) 4-Nitroaniline             | 10.05 | 138  | 371      | 0.068  | ng    | 87       |
| 63) Azobenzene                 | 10.46 | 77   | 1205     | 0.048  | ng    | # 1      |
| 66) n-Nitrosodiphenylamine     | 10.43 | 169  | 3054     | 0.172  | ng    | # 58     |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 3979     | 0.682  | ng    | # 1      |
| 69) Atrazine                   | 10.96 | 200  | 642      | 0.118  | ng    | # 22     |
| 71) Phenanthrene               | 11.27 | 178  | 218867   | 7.947  | ng    | 98       |
| 72) Anthracene                 | 11.32 | 178  | 57364    | 1.990  | ng    | 98       |
| 73) Carbazole                  | 11.47 | 167  | 22629    | 0.805  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.82 | 149  | 2584     | 0.077  | ng    | # 79     |
| 75) Fluoranthene               | 12.46 | 202  | 356390   | 12.078 | ng    | 95       |
| 77) Benzidine                  | 12.58 | 184  | 282      | 0.010  | ng    | # 1      |
| 78) Pyrene                     | 12.68 | 202  | 341011   | 7.620  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.26 | 149  | 1038     | 0.053  | ng    | # 72     |
| 81) Benzo(a)anthracene         | 13.86 | 228  | 167088   | 4.542  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 626      | 0.045  | ng    | # 53     |
| 83) Chrysene                   | 13.90 | 228  | 147381   | 4.090  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 7152     | 0.309  | ng    | # 88     |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 12591    | 0.316  | ng    | # 24     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.64 | 276  | 71256    | 2.319  | ng    | # 89     |
| 88) Benzo(b)fluoranthene       | 14.89 | 252  | 247439   | 7.880  | ng    | 96       |
| 89) Benzo(k)fluoranthene       | 14.89 | 252  | 247439   | 8.699  | ng    | 95       |
| 90) Benzo(a)pyrene             | 15.22 | 252  | 135029   | 4.861  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.65 | 278  | 17365    | 0.733  | ng    | # 61     |
| 92) Benzo(g,h,i)perylene       | 17.05 | 276  | 65969    | 2.772  | ng    | 97       |

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



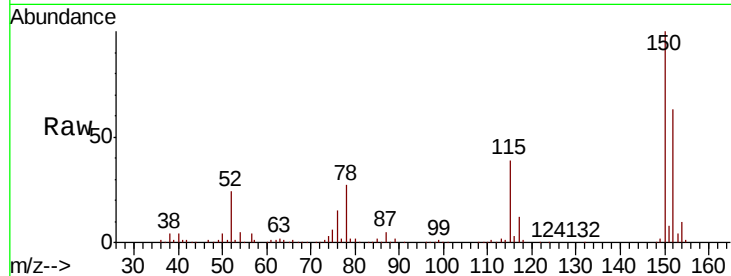


#1

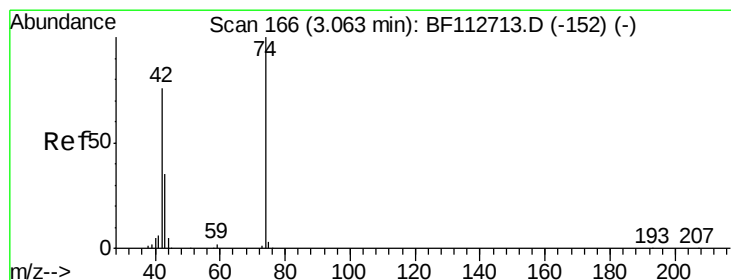
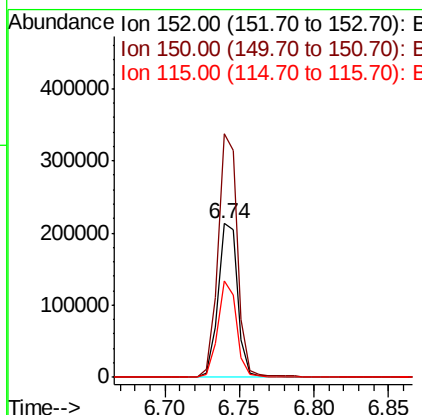
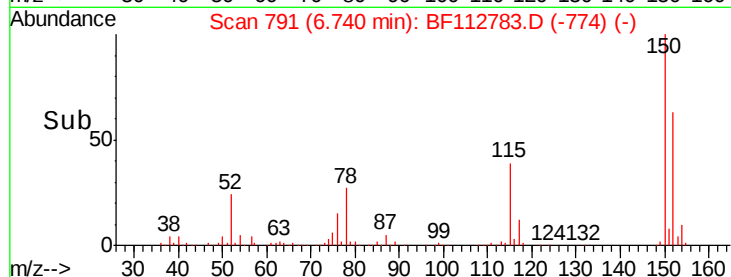
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion:152 Resp: 198412  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.2 186.2  
115 62.3 48.2 72.4



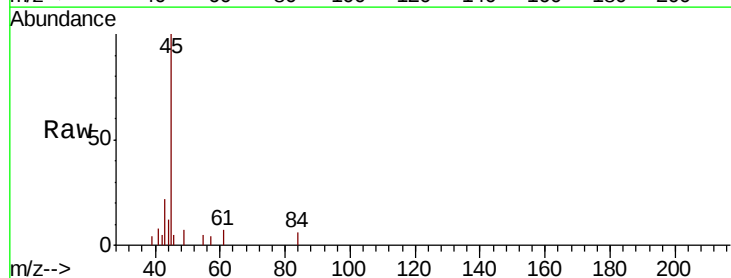
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



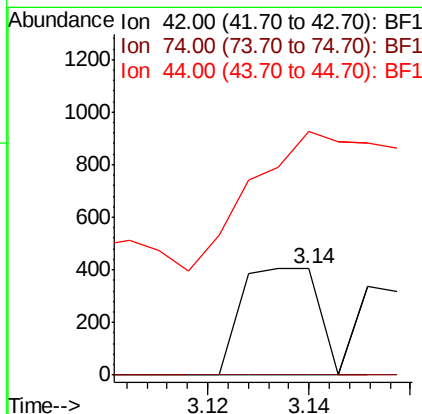
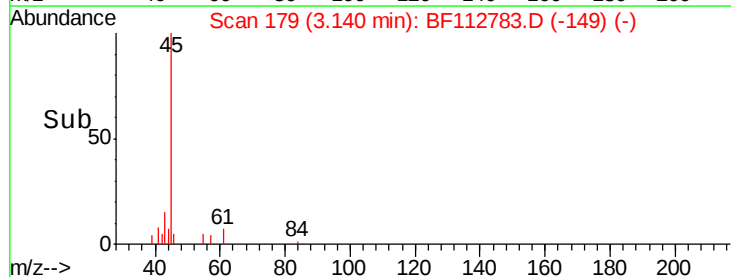
#4

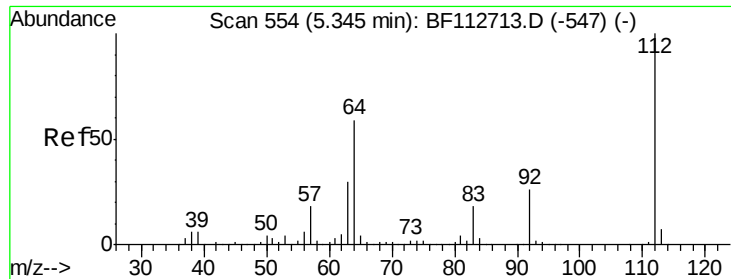
n-Nitrosodimethylamine  
Concen: 0.056 ng  
RT: 3.14 min Scan# 179  
Delta R.T. 0.08 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 42 Resp: 421  
Ion Ratio Lower Upper  
42 100  
74 0.0 105.8 158.8#  
44 228.6 6.2 9.2#



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: 18.733 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

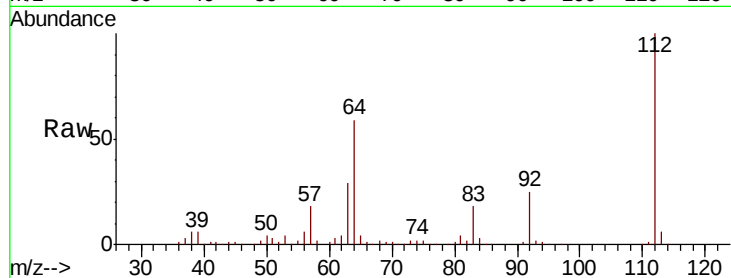
Tgt Ion: 112 Resp: 238940

Ion Ratio Lower Upper

112 100

64 59.2 47.6 71.4

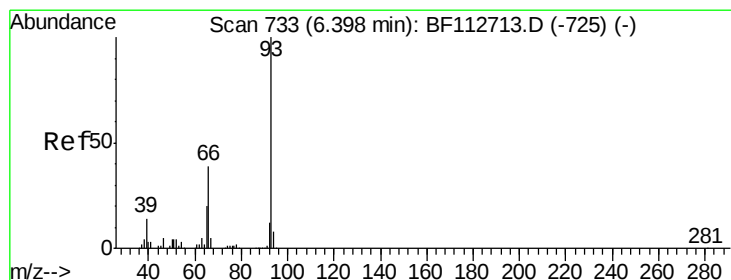
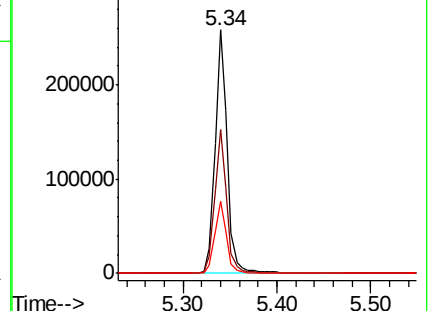
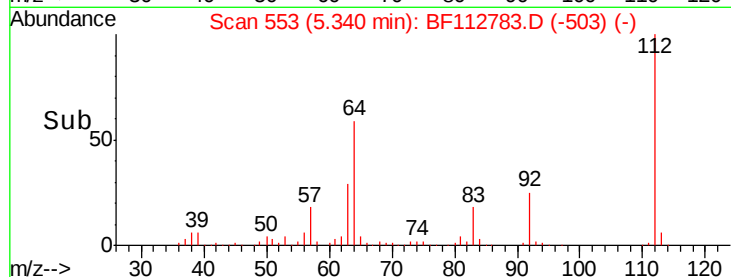
63 29.4 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.022 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.11 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

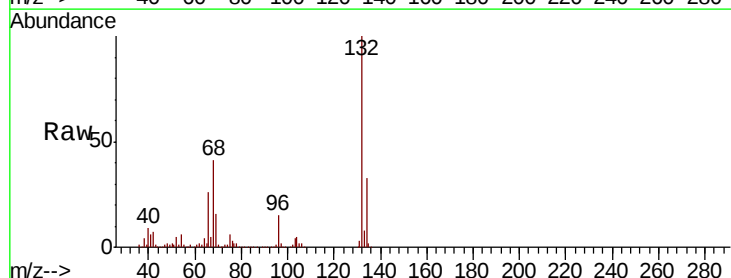
Tgt Ion: 93 Resp: 486

Ion Ratio Lower Upper

93 100

66 13034.2 32.2 48.2#

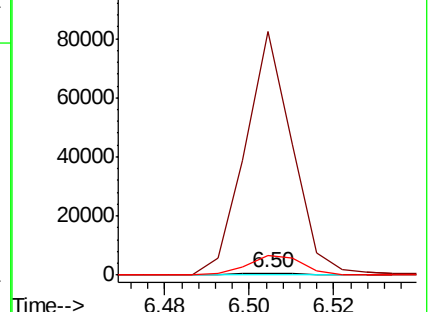
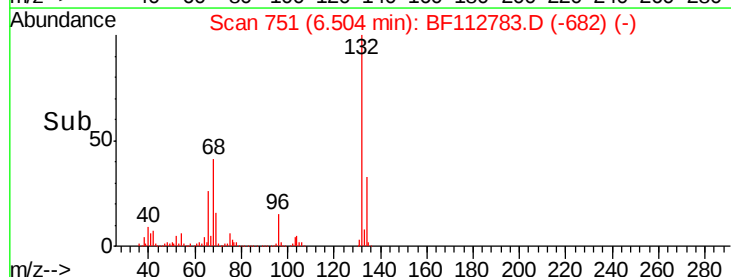
65 1032.9 16.2 24.4#

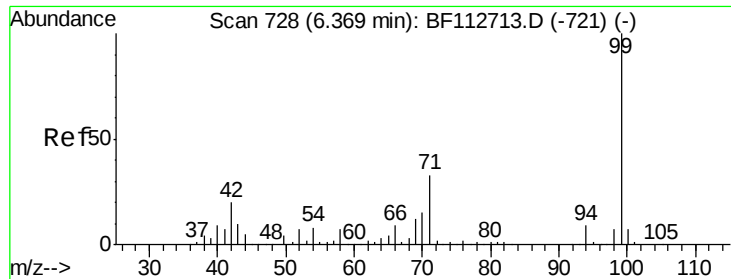


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 19.572 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

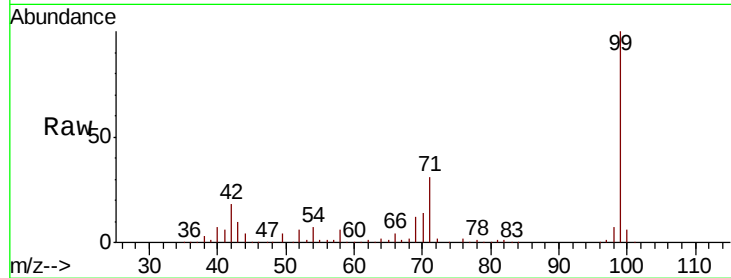
Tgt Ion: 99 Resp: 313594

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

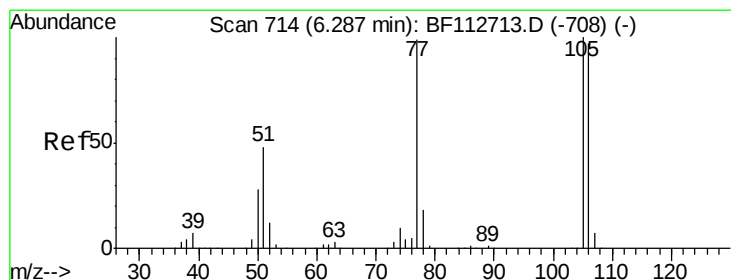
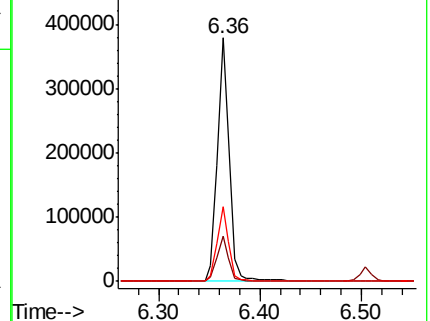
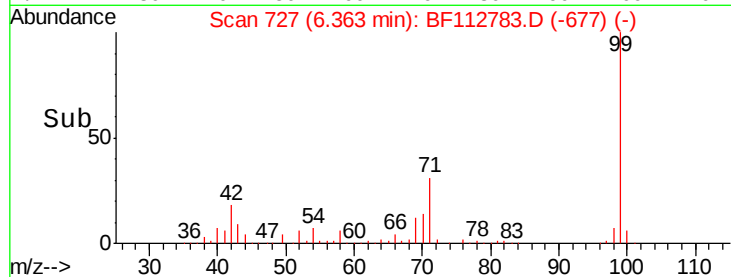
71 30.9 26.2 39.4



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: 0.038 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

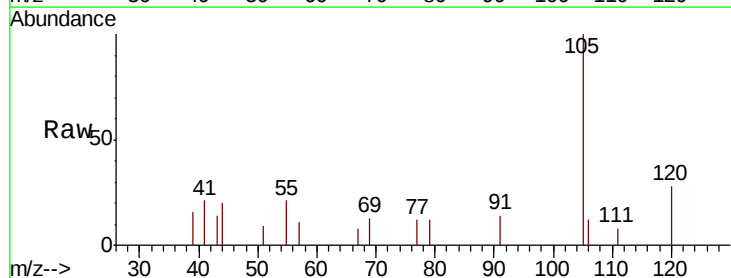
Tgt Ion: 77 Resp: 439

Ion Ratio Lower Upper

77 100

105 821.3 81.4 121.4#

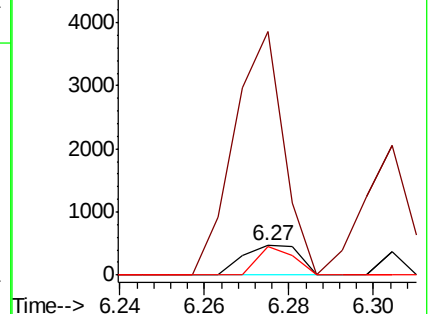
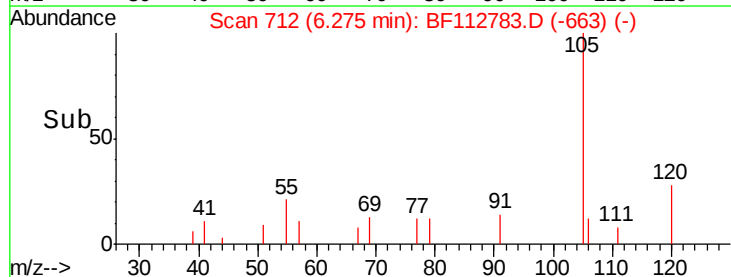
106 96.4 78.3 118.3

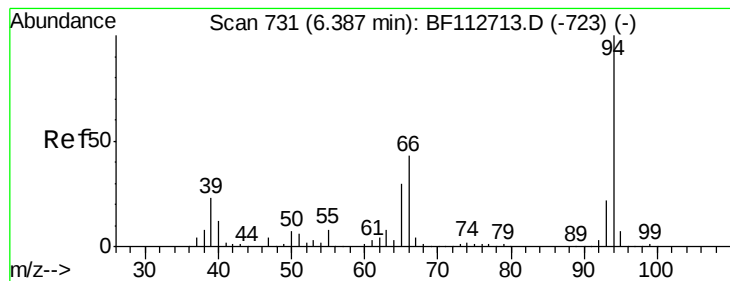


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.298 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

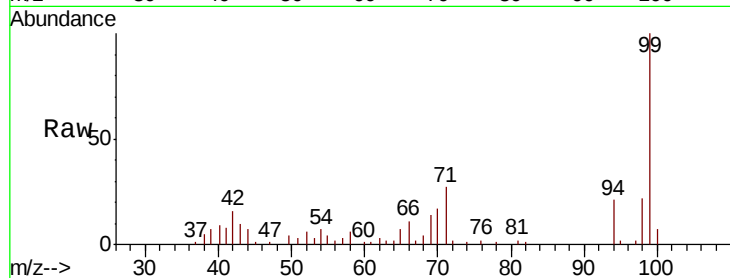
Tgt Ion: 94 Resp: 5572

Ion Ratio Lower Upper

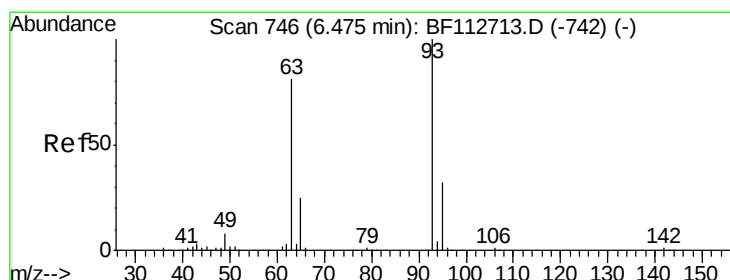
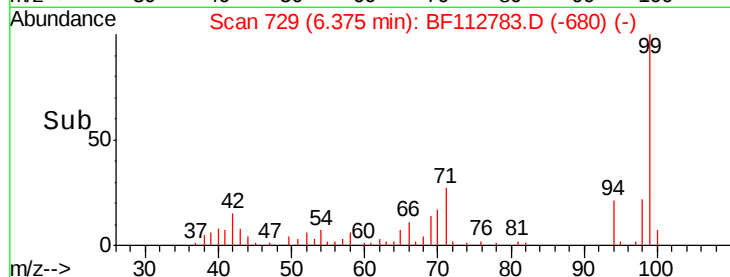
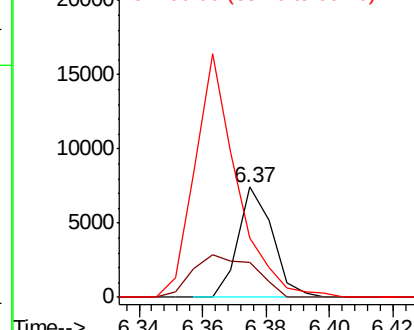
94 100

65 32.1 10.5 50.5

66 53.7 22.6 62.6



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: 0.034 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.03 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

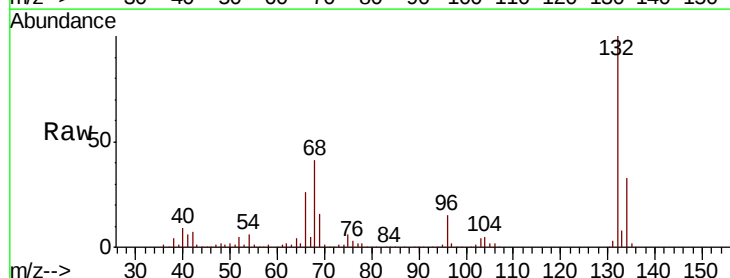
Tgt Ion: 93 Resp: 486

Ion Ratio Lower Upper

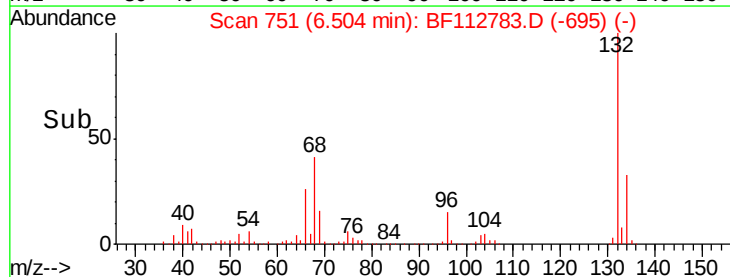
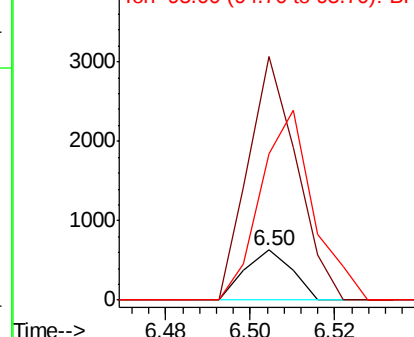
93 100

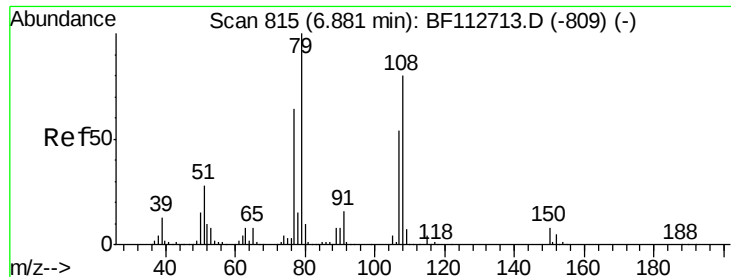
63 485.3 60.5 100.5#

95 292.6 12.1 52.1#



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

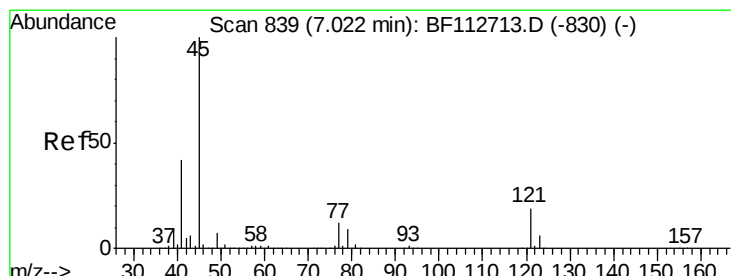
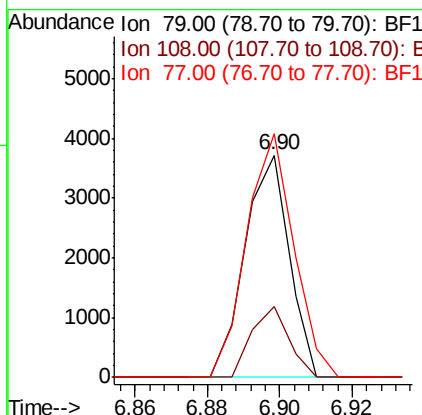
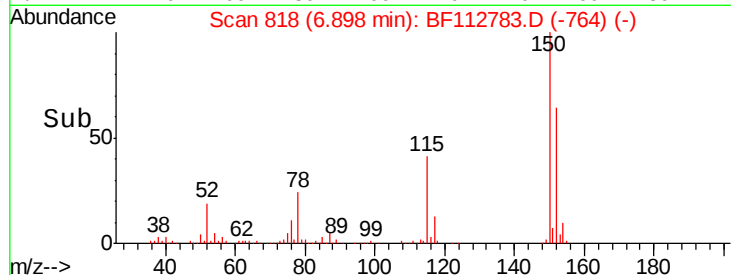
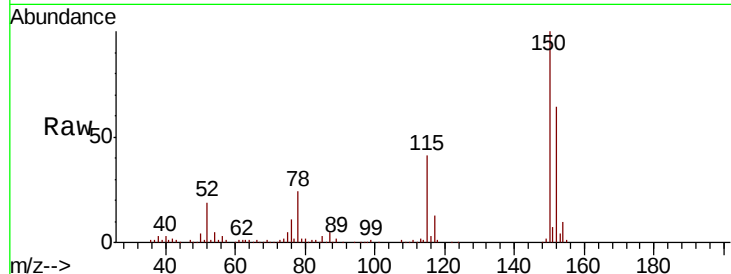




#15  
Benzyl Alcohol  
Concen: 0.257 ng  
RT: 6.90 min Scan# 818  
Delta R.T. 0.02 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

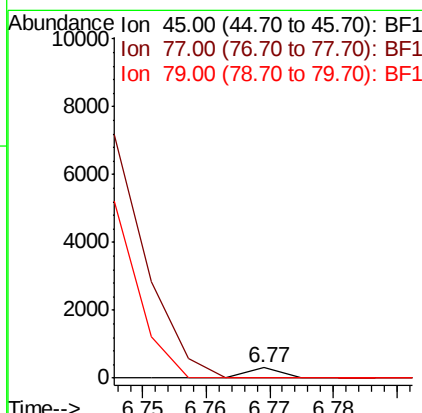
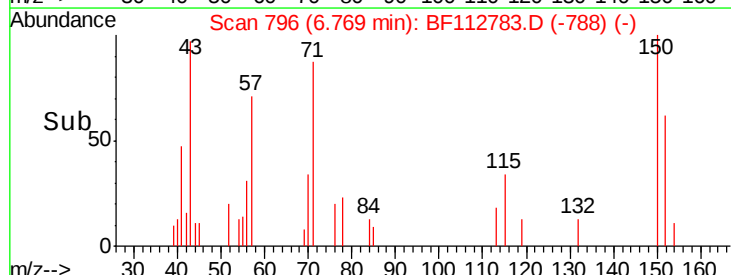
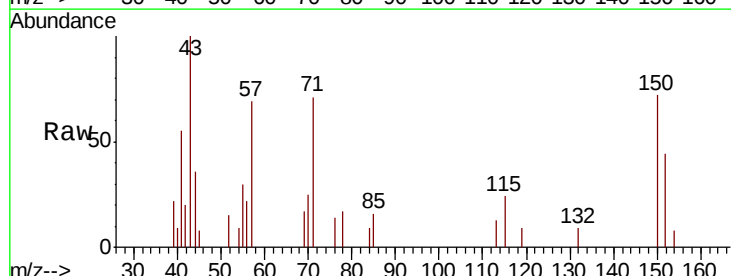
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

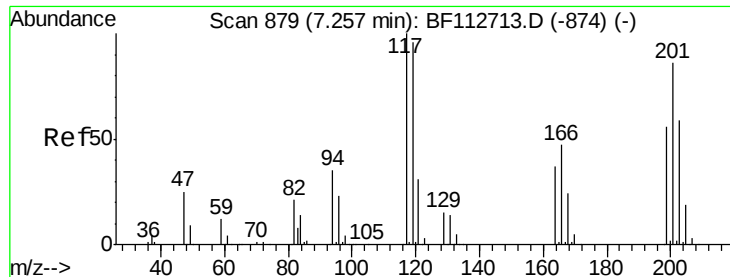
Tgt Ion: 79 Resp: 3145  
Ion Ratio Lower Upper  
79 100  
108 31.8 64.2 96.4#  
77 109.5 51.1 76.7#



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 0.004 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.25 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 45 Resp: 107  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 32.1  
79 0.0 0.0 29.4

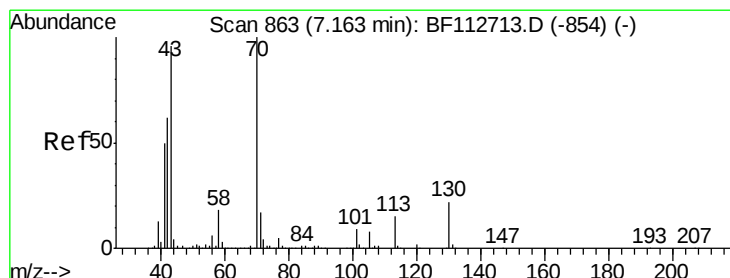
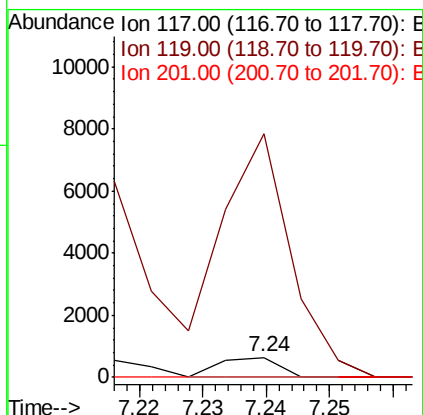
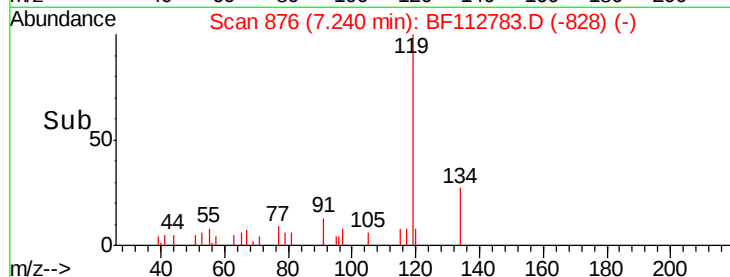
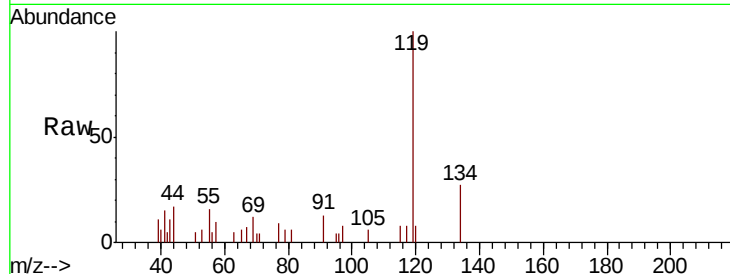




#18  
Hexachloroethane  
Concen: 0.074 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

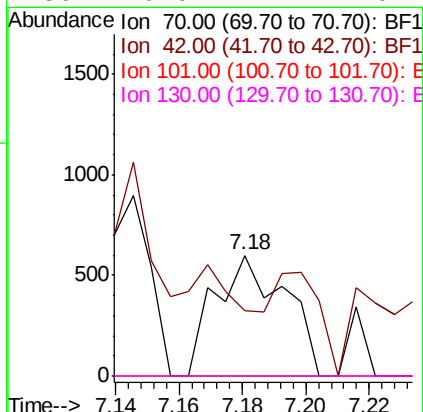
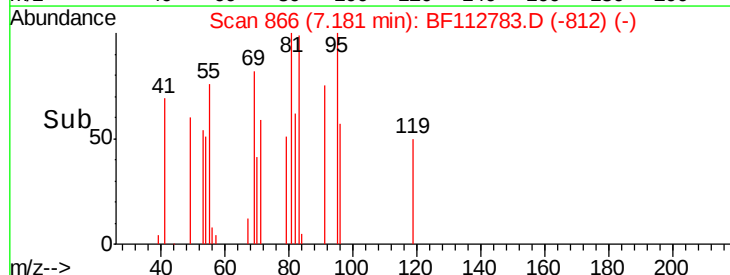
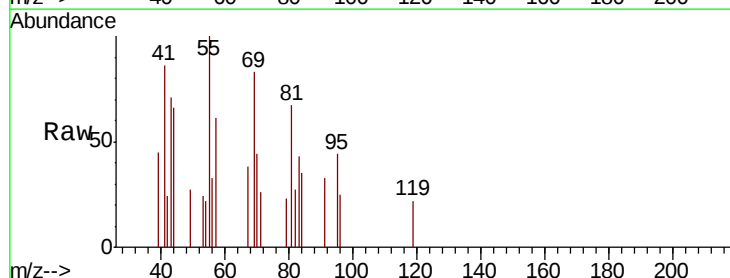
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

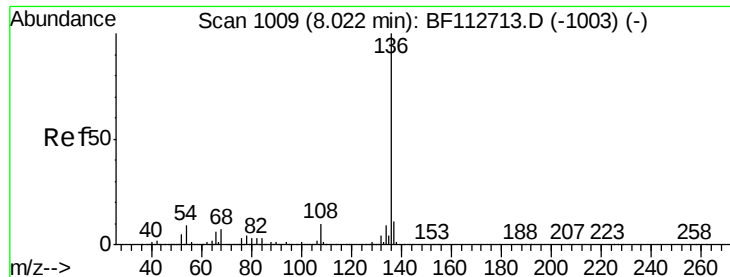
Tgt Ion: 117 Resp: 417  
Ion Ratio Lower Upper  
117 100  
119 1238.9 76.6 115.0#  
201 0.0 68.9 103.3#



#19  
n-Nitroso-di-n-propylamine  
Concen: 0.091 ng  
RT: 7.18 min Scan# 866  
Delta R.T. 0.02 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 70 Resp: 922  
Ion Ratio Lower Upper  
70 100  
42 54.4 49.9 74.9  
101 0.0 7.4 11.2#  
130 0.0 17.4 26.2#

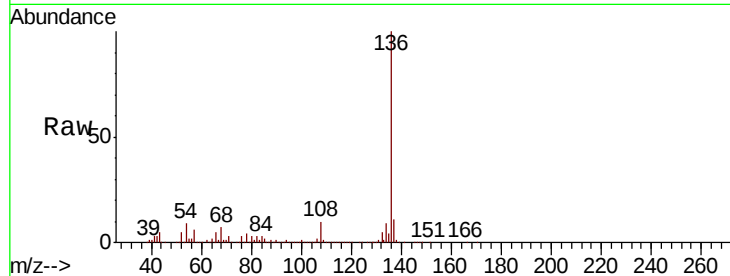




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 741052 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 8.7   | 7.3   | 10.9   |
| 68       | 6.5   | 5.4   | 8.2    |



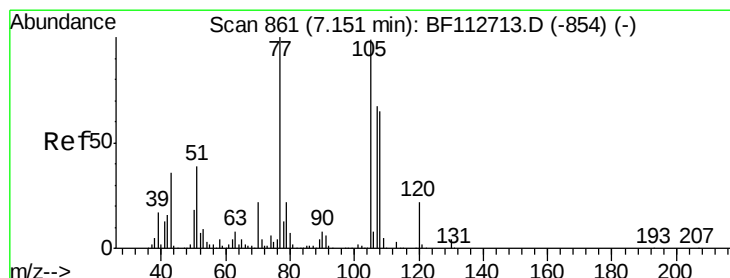
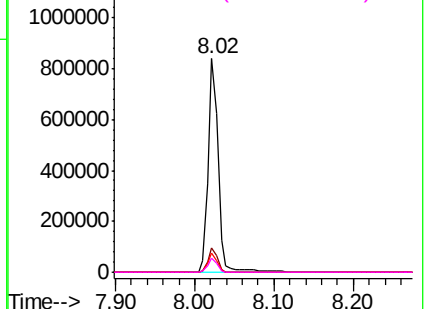
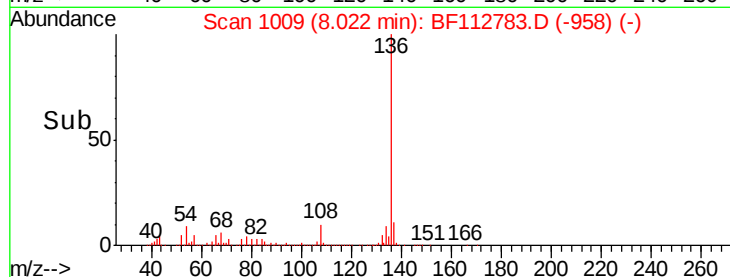
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

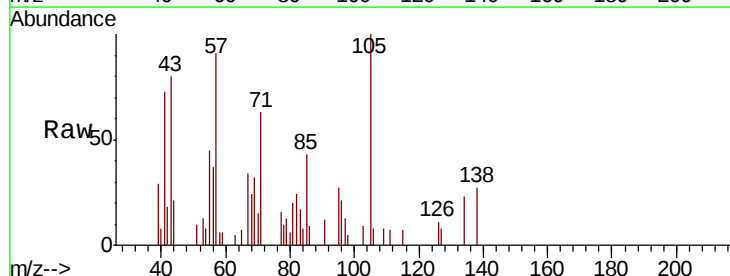
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 0.298 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 5165  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 63.0  | 3.0   | 4.4#  |
| 51       | 10.0  | 31.5  | 47.3# |
| 120      | 0.0   | 18.1  | 27.1# |



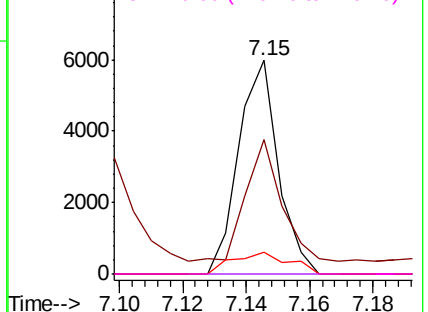
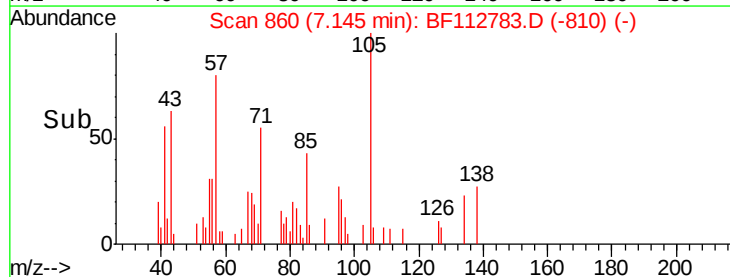
Abundance

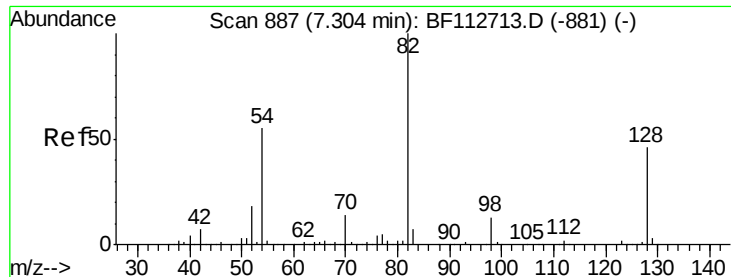
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

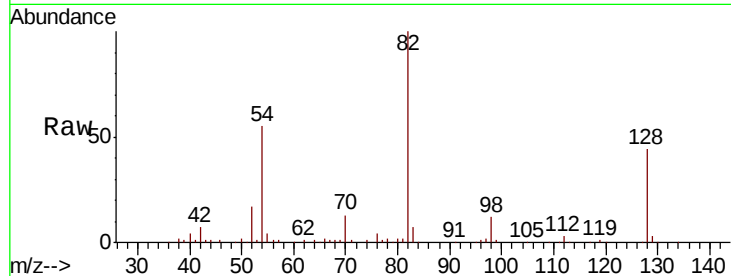




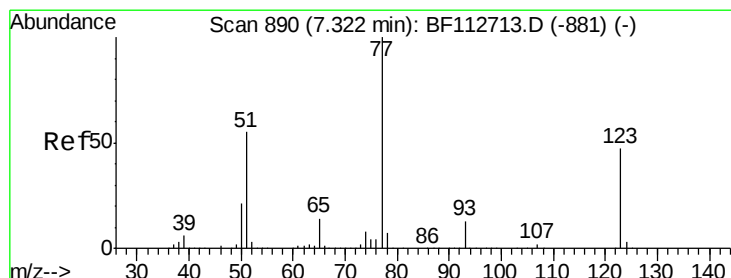
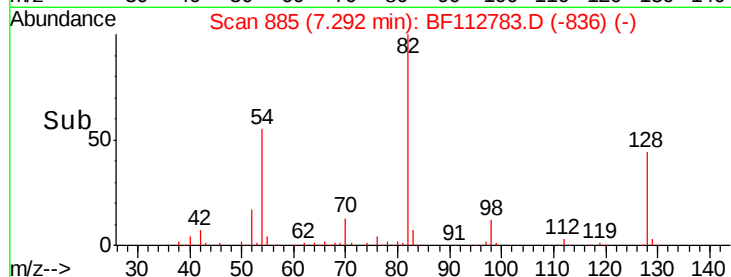
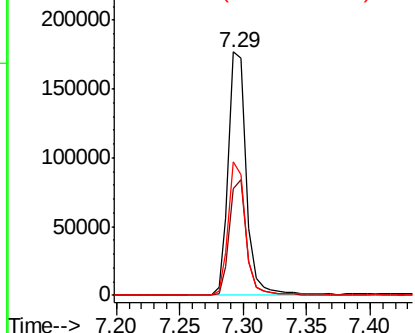
#23  
Nitrobenzene-d5  
Concen: 14.169 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion: 82 Resp: 175471  
Ion Ratio Lower Upper  
82 100  
128 43.6 36.3 54.5  
54 54.7 43.7 65.5

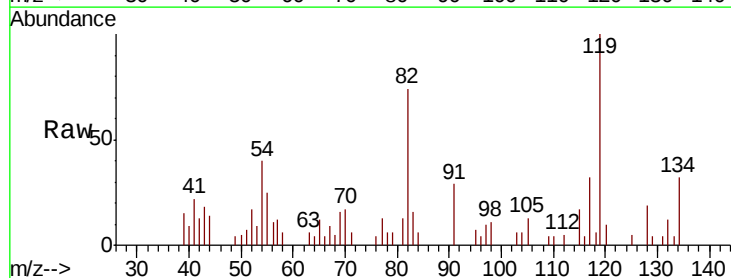


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

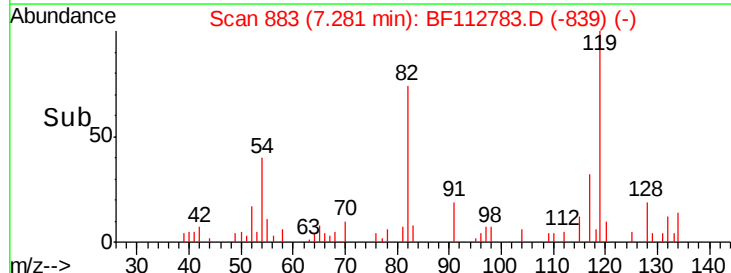
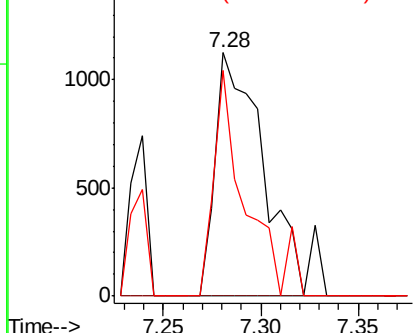


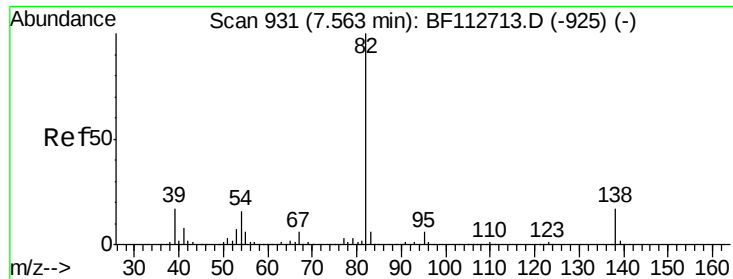
#24  
Nitrobenzene  
Concen: 0.145 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.04 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 77 Resp: 2001  
Ion Ratio Lower Upper  
77 100  
123 0.0 37.8 56.6#  
65 92.9 11.1 16.7#



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: 0.198 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.09 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

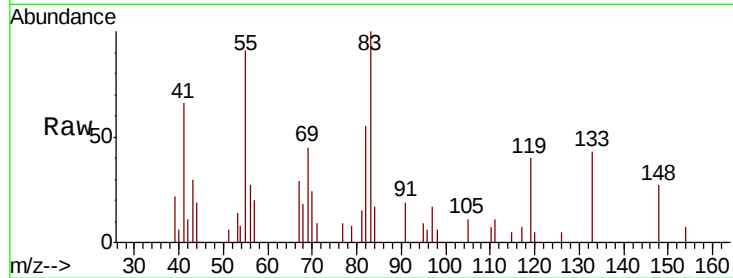
Tgt Ion: 82 Resp: 5274

Ion Ratio Lower Upper

82 100

95 16.5 5.2 7.8#

138 0.0 13.8 20.8#

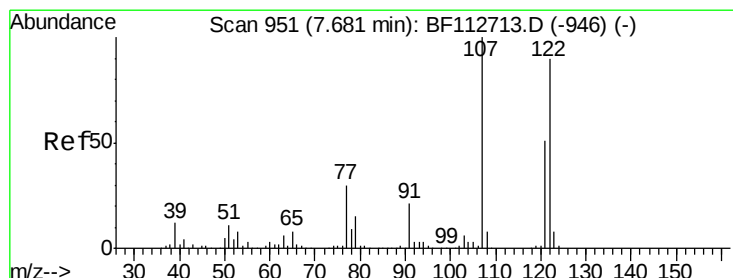
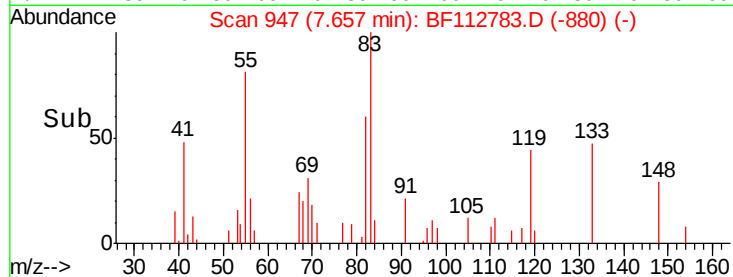
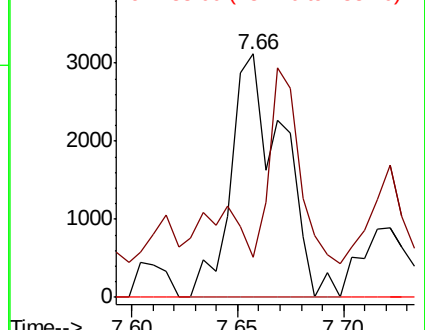


Abundance

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



#27

2,4-Dimethylphenol

Concen: 0.011 ng

RT: 7.73 min Scan# 959

Delta R.T. 0.05 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

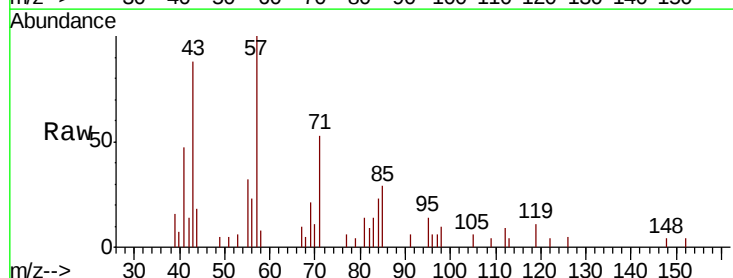
Tgt Ion: 122 Resp: 114

Ion Ratio Lower Upper

122 100

107 0.0 89.4 134.0#

121 0.0 45.5 68.3#

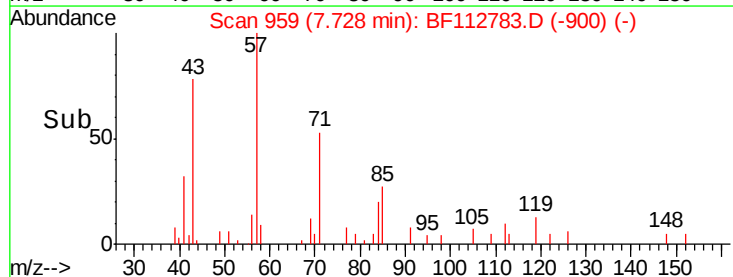
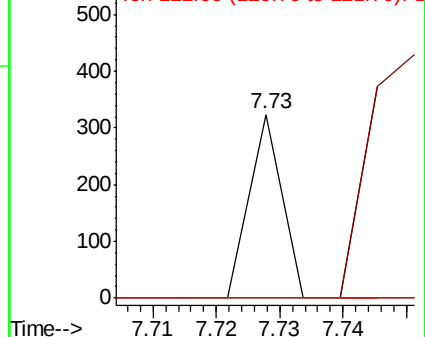


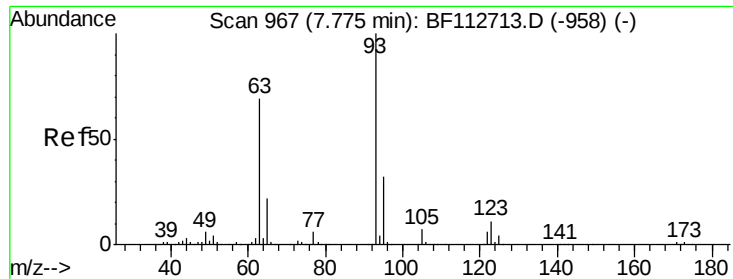
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

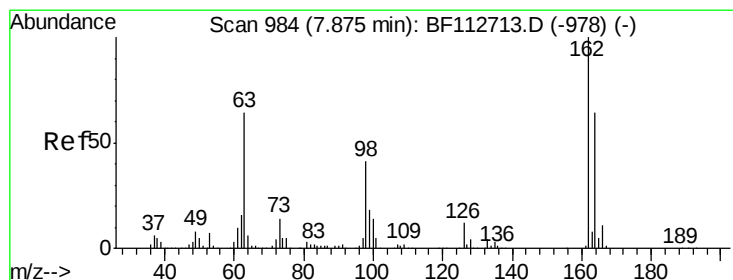
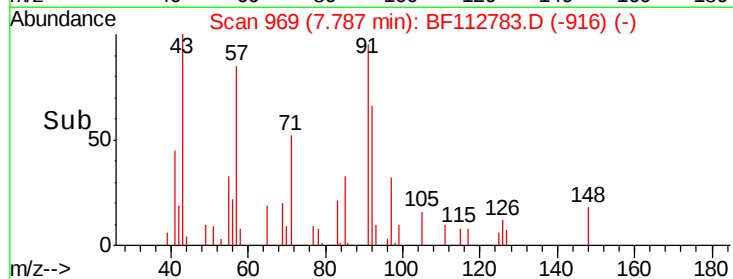
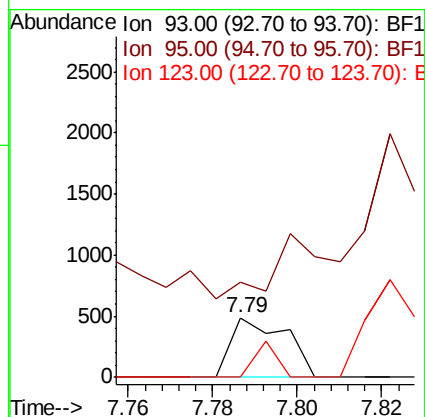
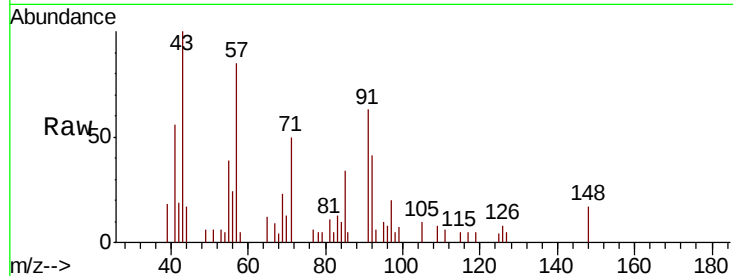




#28  
bis(2-Chloroethoxy)methane  
Concen: 0.026 ng  
RT: 7.79 min Scan# 969  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

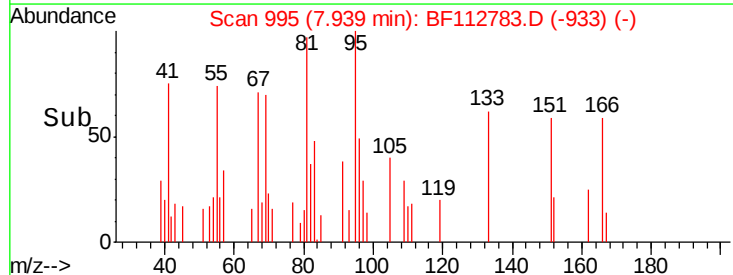
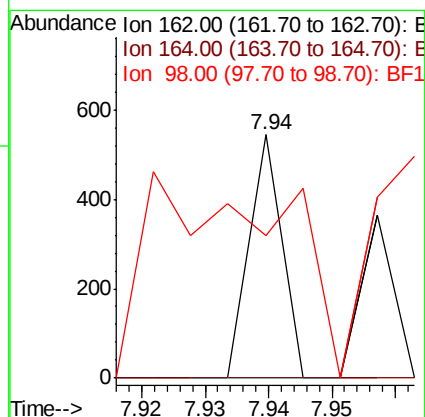
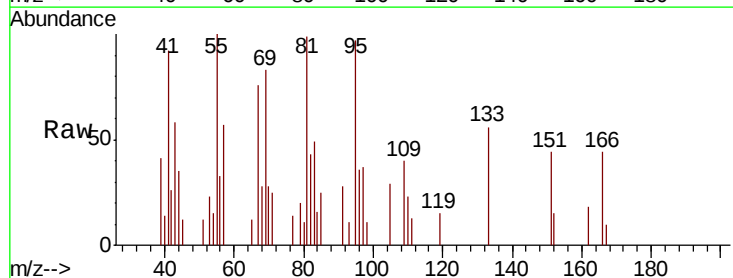
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

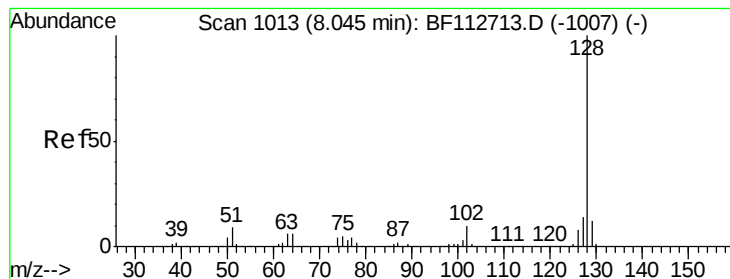
Tgt Ion: 93 Resp: 438  
Ion Ratio Lower Upper  
93 100  
95 159.3 26.0 39.0#  
123 0.0 9.3 13.9#



#29  
2,4-Dichlorophenol  
Concen: 0.019 ng  
RT: 7.94 min Scan# 995  
Delta R.T. 0.06 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 162 Resp: 192  
Ion Ratio Lower Upper  
162 100  
164 0.0 44.0 84.0#  
98 58.8 20.7 60.7





#31

Naphthalene

Concen: 0.457 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

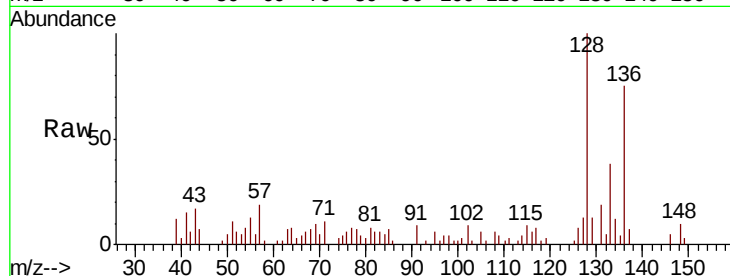
Tgt Ion:128 Resp: 16798

Ion Ratio Lower Upper

128 100

129 13.3 9.3 13.9

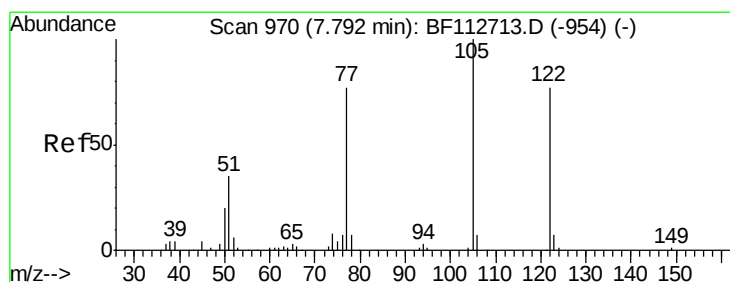
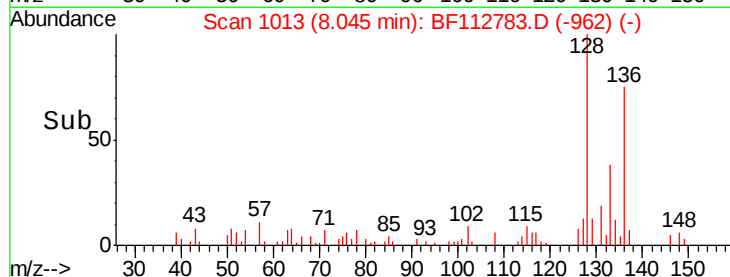
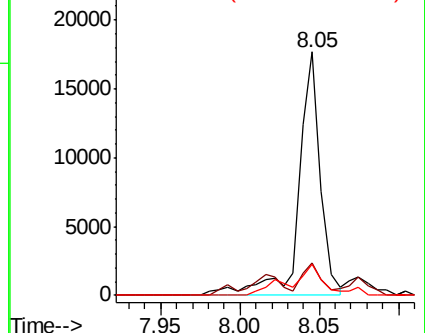
127 12.6 10.9 16.3



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: 0.015 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.06 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

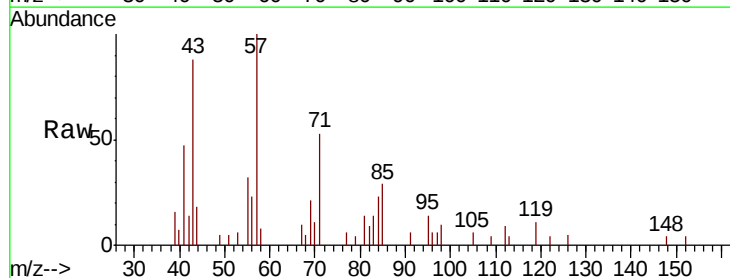
Tgt Ion:122 Resp: 114

Ion Ratio Lower Upper

122 100

105 130.9 106.8 146.8

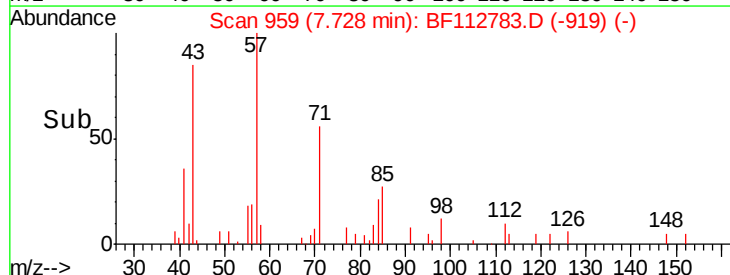
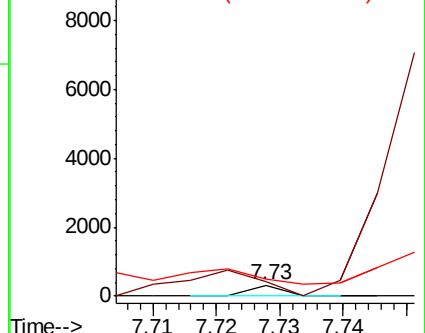
77 150.9 79.4 119.4#

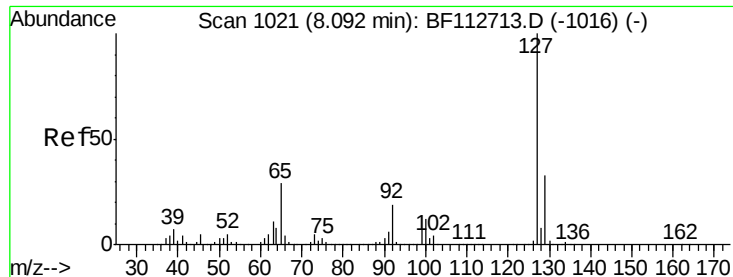


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

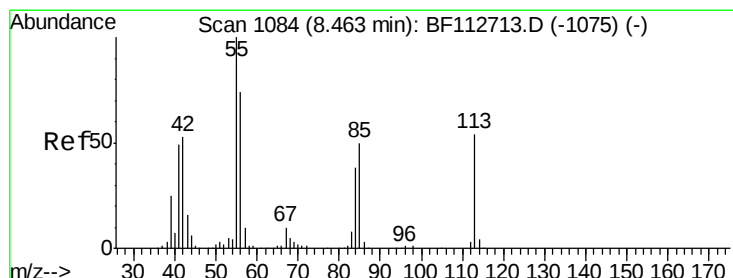
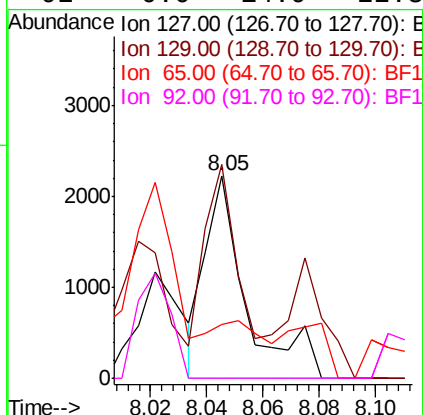
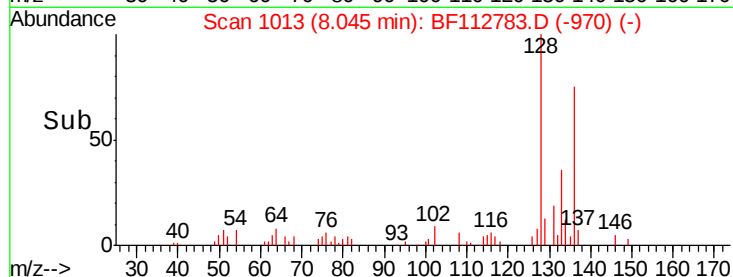
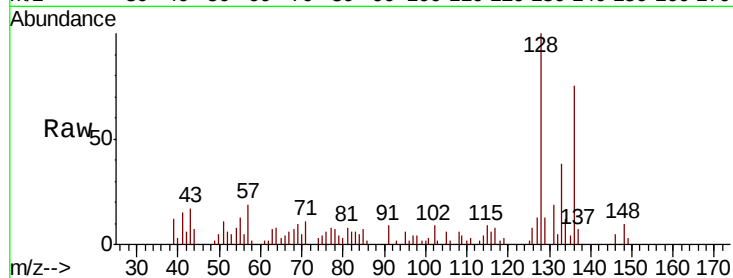




#33  
4-Chloroaniline  
Concen: 0.143 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.05 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

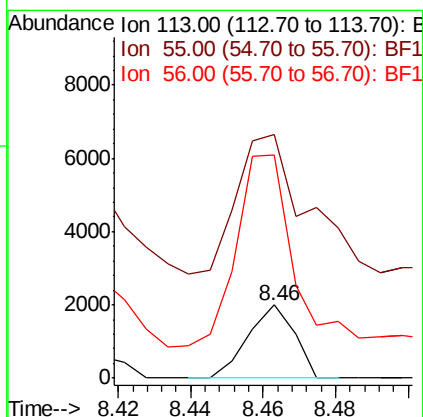
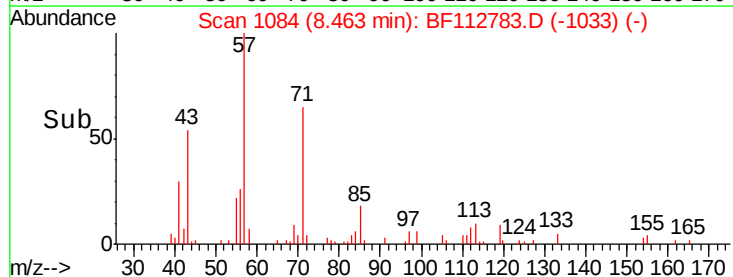
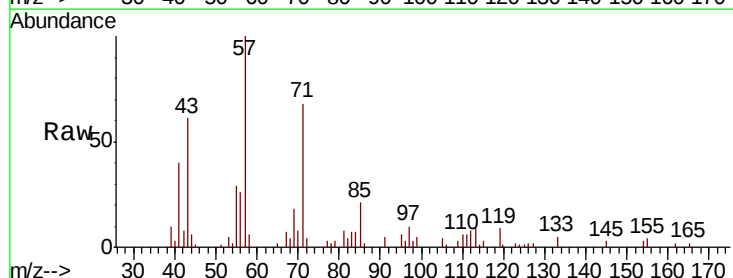
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

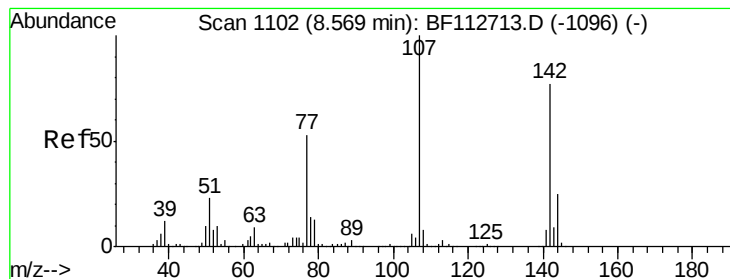
Tgt Ion:127 Resp: 2222  
Ion Ratio Lower Upper  
127 100  
129 105.6 26.4 39.6#  
65 26.7 23.1 34.7  
92 0.0 14.9 22.3#



#35  
Caprolactam  
Concen: 0.486 ng  
RT: 8.46 min Scan# 1084  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:113 Resp: 1772  
Ion Ratio Lower Upper  
113 100  
55 332.5 163.5 203.5#  
56 305.4 115.3 155.3#





#36

4-Chloro-3-methylphenol

Concen: 0.020 ng

RT: 8.57 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

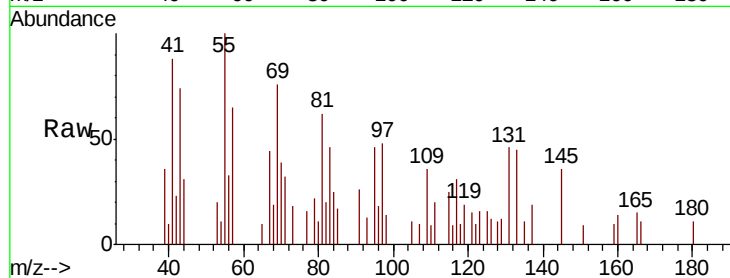
Tgt Ion:107 Resp: 229

Ion Ratio Lower Upper

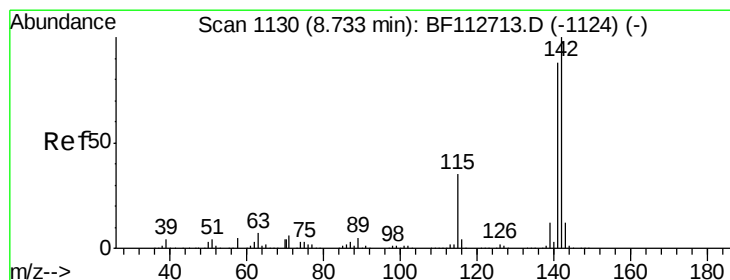
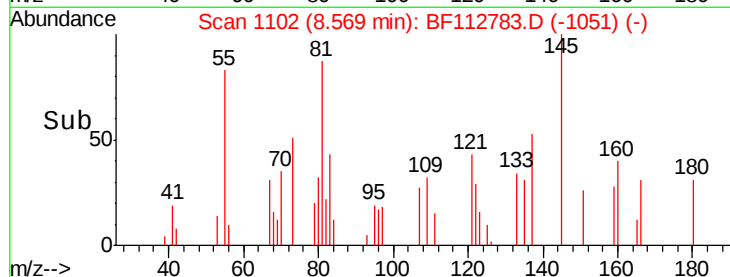
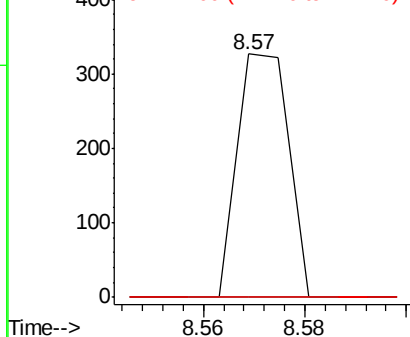
107 100

144 0.0 20.1 30.1#

142 0.0 61.9 92.9#



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: 0.661 ng

RT: 8.73 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

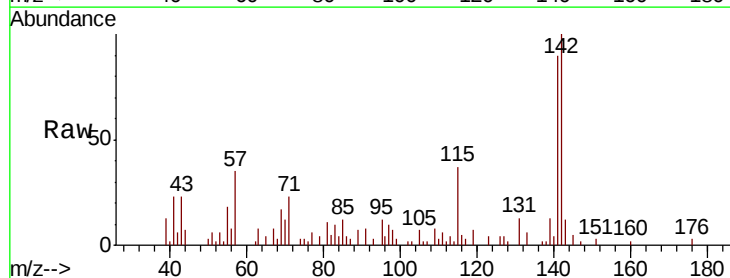
Tgt Ion:142 Resp: 15700

Ion Ratio Lower Upper

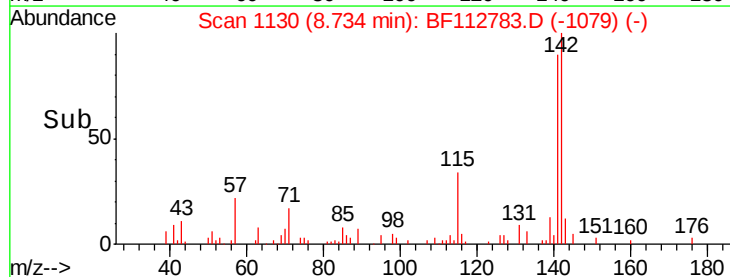
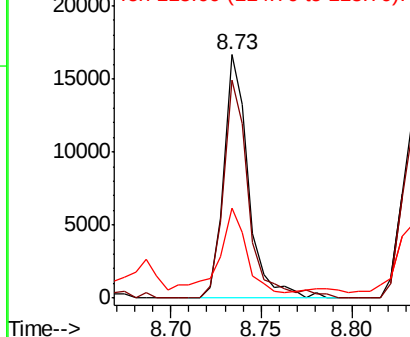
142 100

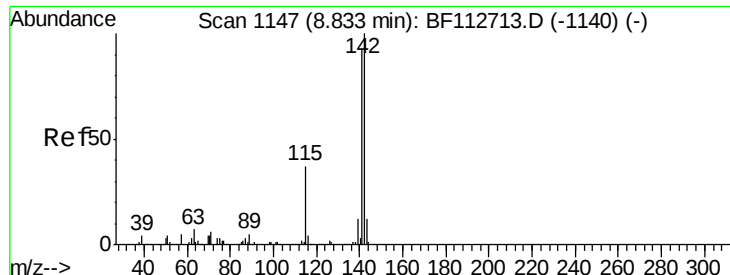
141 89.6 70.3 105.5

115 36.9 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

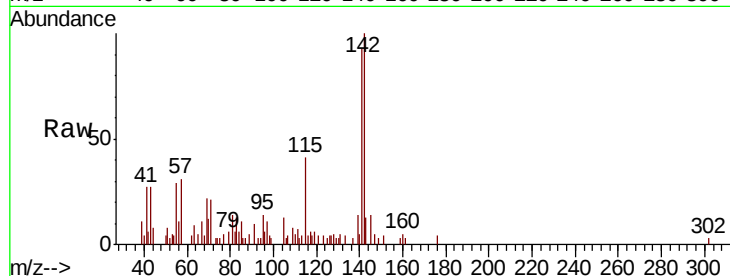




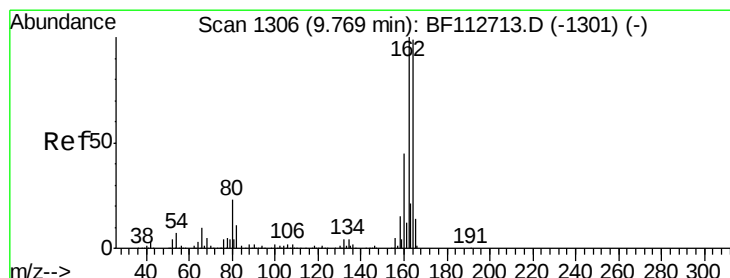
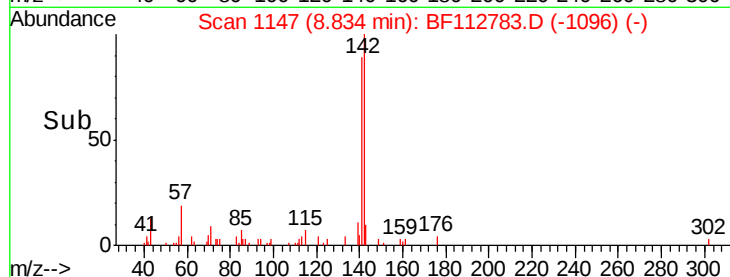
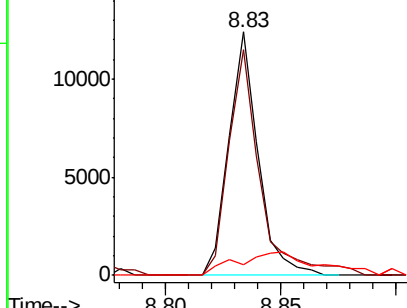
#38  
 1-Methylnaphthalene  
 Concen: 0.477 ng  
 RT: 8.83 min Scan# 1147  
 Delta R.T. 0.00 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-022719-B

Tgt Ion:142 Resp: 10988  
 Ion Ratio Lower Upper  
 142 100  
 141 92.7 73.7 110.5  
 116 4.3 3.1 4.7

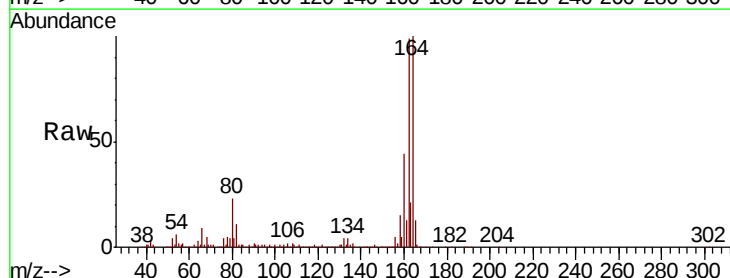


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 116.00 (115.70 to 116.70): E

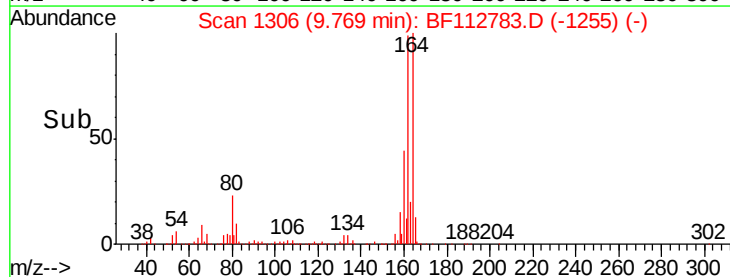
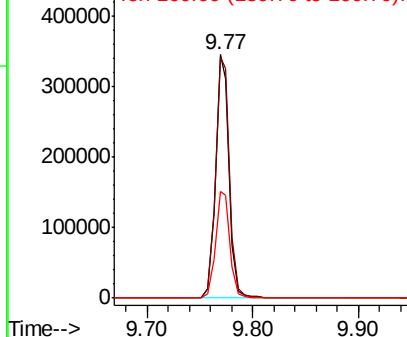


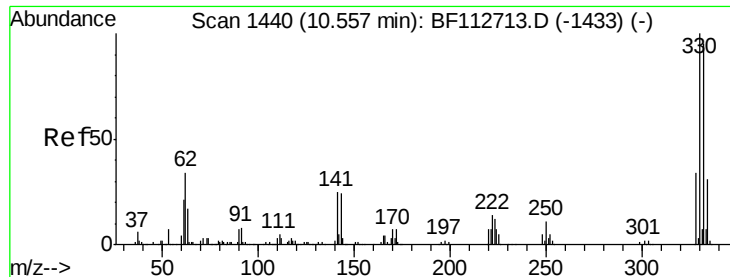
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

Tgt Ion:164 Resp: 314443  
 Ion Ratio Lower Upper  
 164 100  
 162 99.0 80.6 120.8  
 160 44.0 36.0 54.0



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: 20.348 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

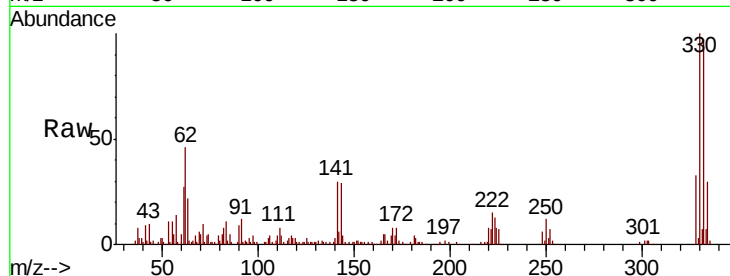
Tgt Ion:330 Resp: 67925

Ion Ratio Lower Upper

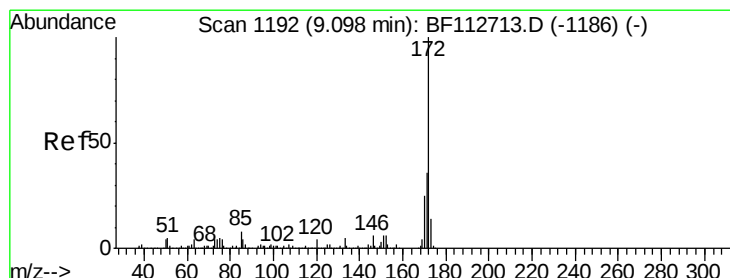
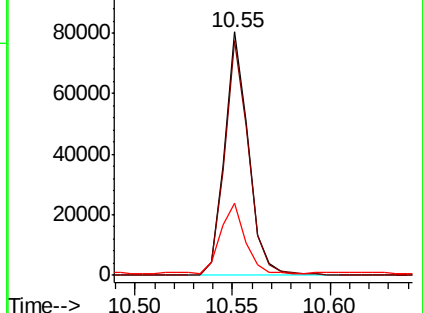
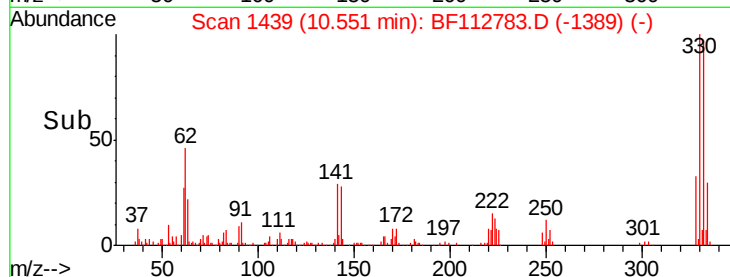
330 100

332 97.0 76.2 114.4

141 31.1 27.0 40.6



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: 4.903 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

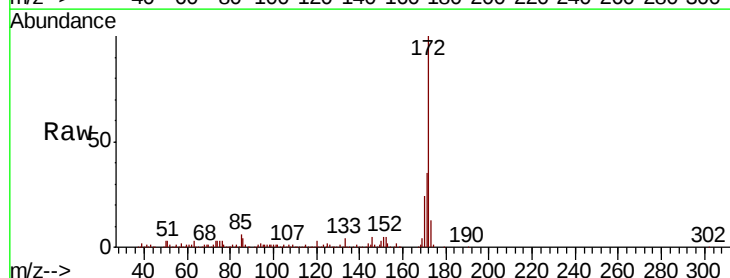
Tgt Ion:172 Resp: 317486

Ion Ratio Lower Upper

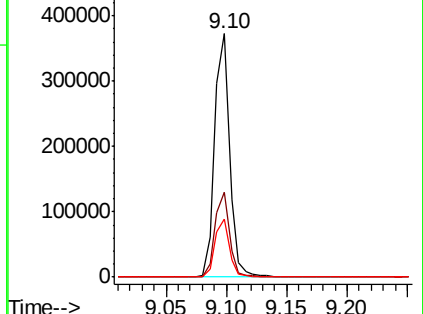
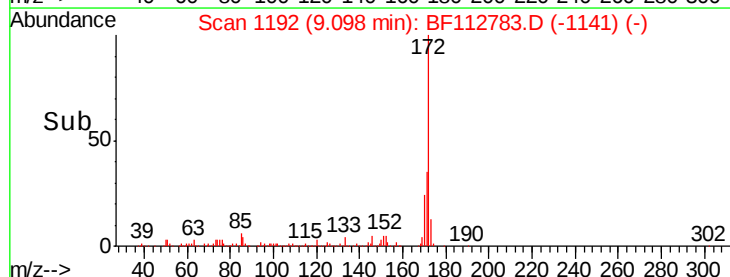
172 100

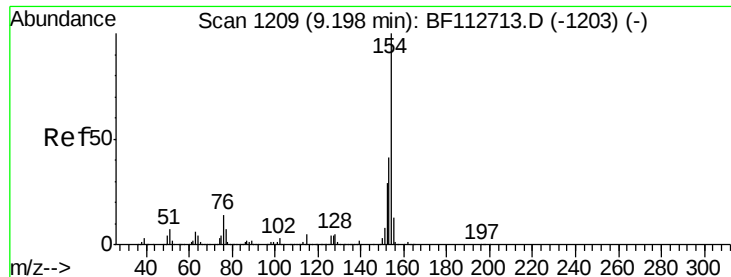
171 35.0 29.0 43.4

170 23.7 20.0 30.0



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

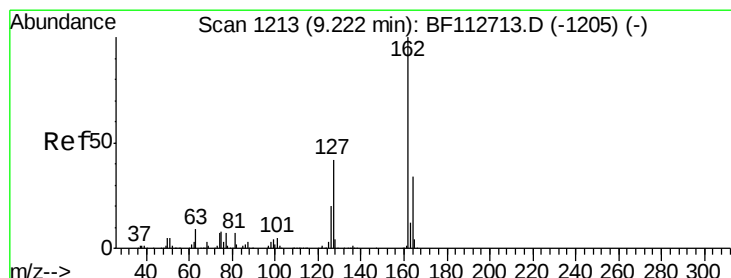
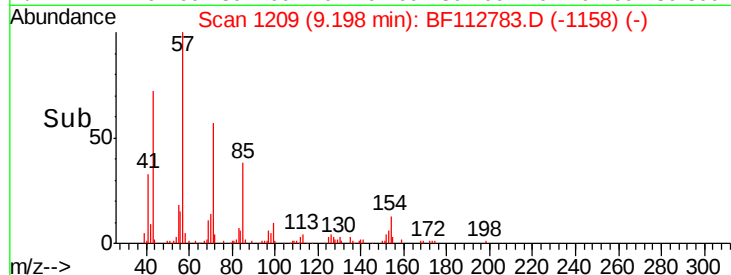
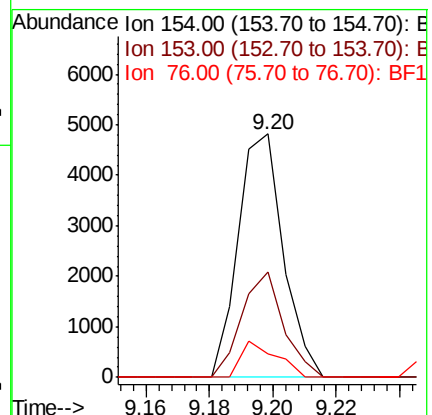
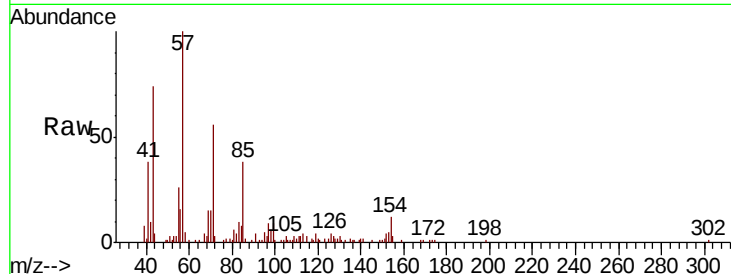




#46  
1,1'-Biphenyl  
Concen: 0.184 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

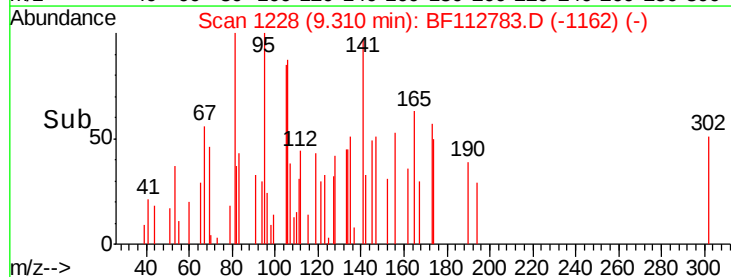
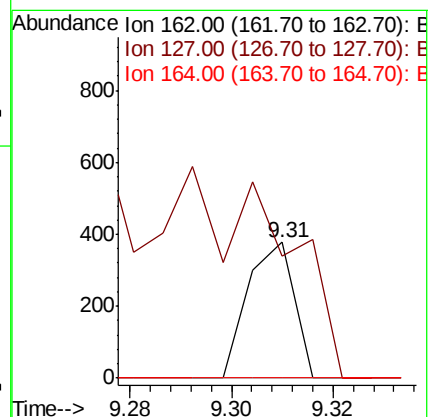
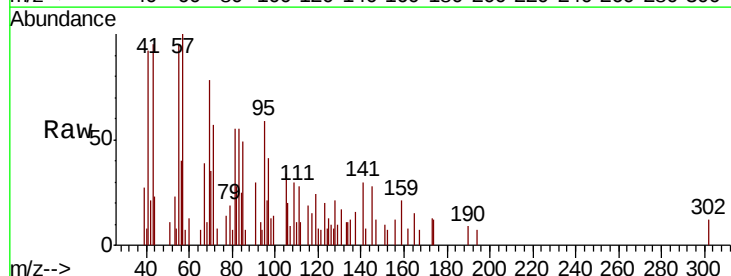
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

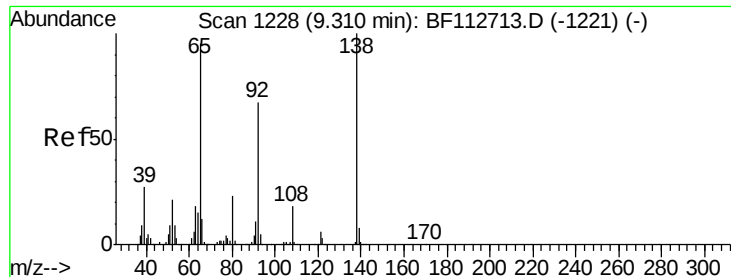
Tgt Ion:154 Resp: 4724  
Ion Ratio Lower Upper  
154 100  
153 43.2 20.8 60.8  
76 9.6 0.0 33.8



#47  
2-Chloronaphthalene  
Concen: 0.012 ng  
RT: 9.31 min Scan# 1228  
Delta R.T. 0.09 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:162 Resp: 239  
Ion Ratio Lower Upper  
162 100  
127 89.9 33.4 50.2#  
164 0.0 26.9 40.3#

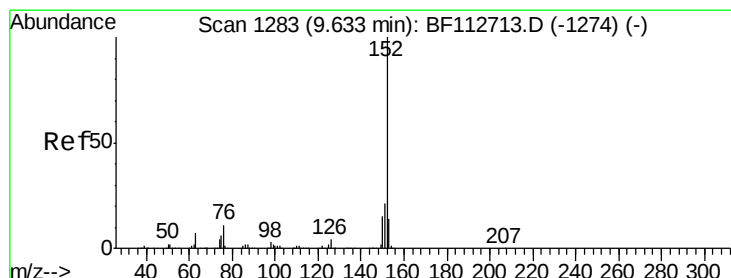
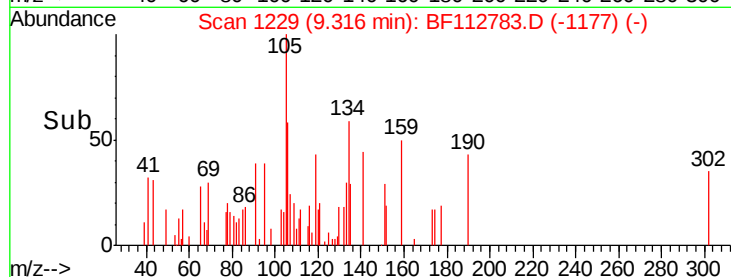
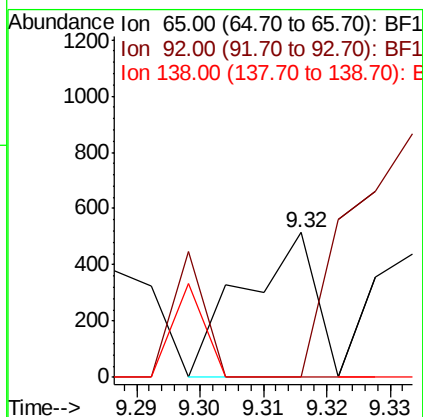
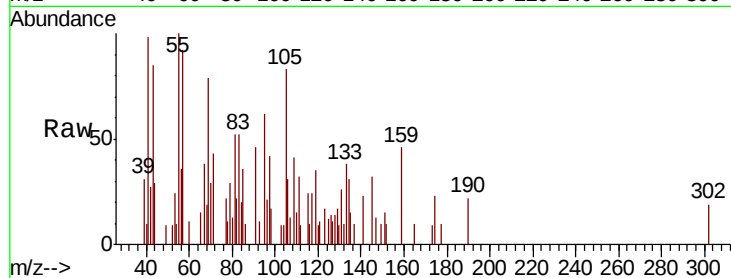




#48  
2-Nitroaniline  
Concen: 0.067 ng  
RT: 9.32 min Scan# 1229  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

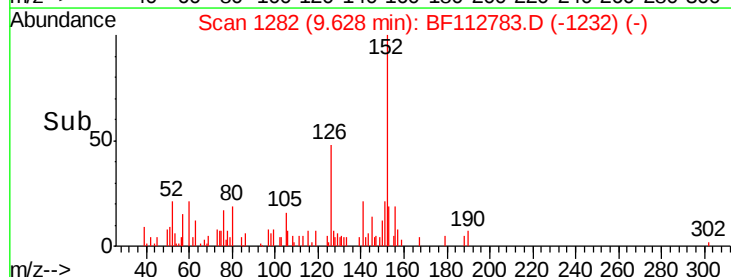
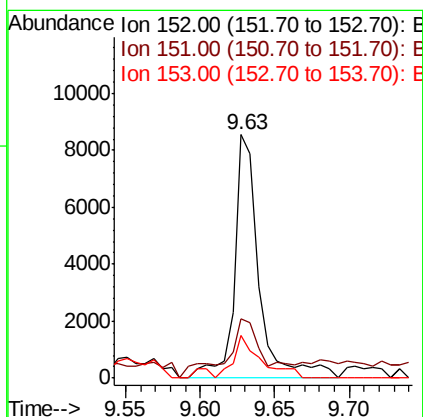
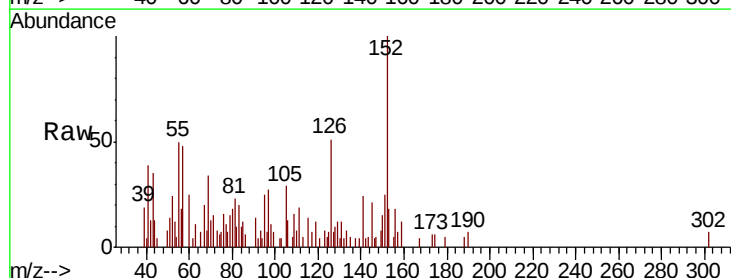
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

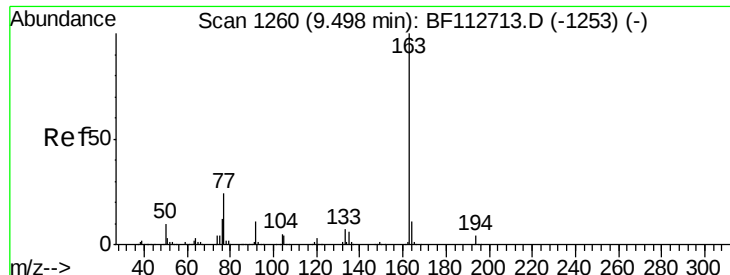
Tgt Ion: 65 Resp: 405  
Ion Ratio Lower Upper  
65 100  
92 0.0 56.4 84.6#  
138 0.0 84.6 126.8#



#49  
Acenaphthylene  
Concen: 0.290 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 152 Resp: 9870  
Ion Ratio Lower Upper  
152 100  
151 24.5 16.9 25.3  
153 17.6 11.0 16.6#

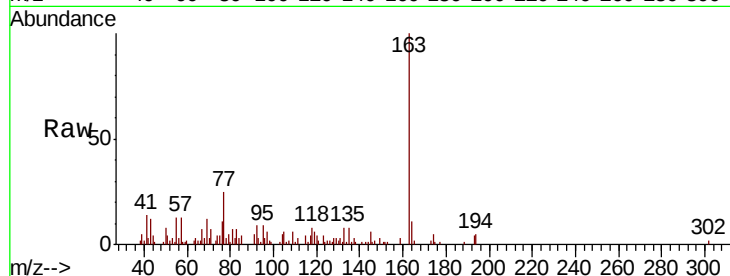




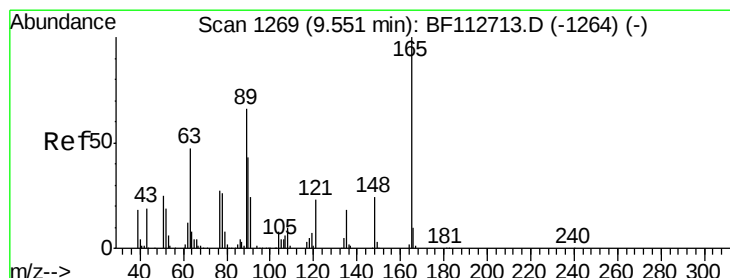
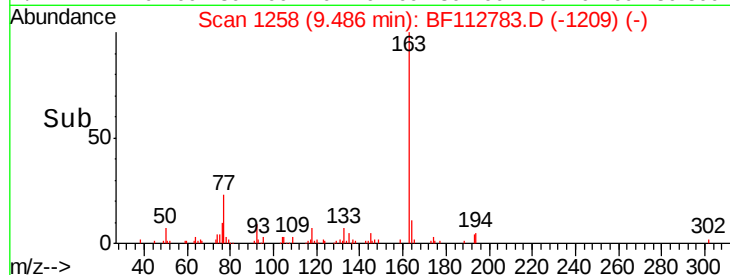
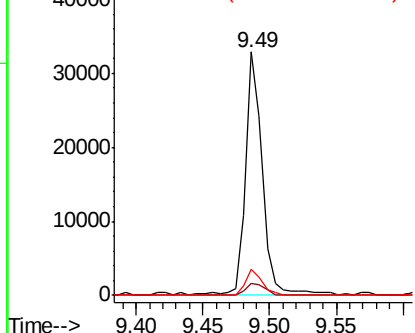
#50  
Dimethylphthalate  
Concen: 1.249 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion:163 Resp: 28948  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.0 4.4#  
164 10.5 8.4 12.6

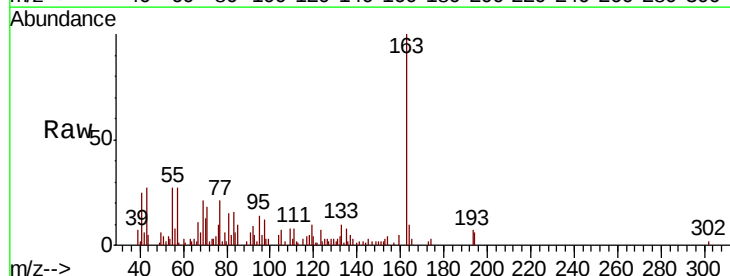


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

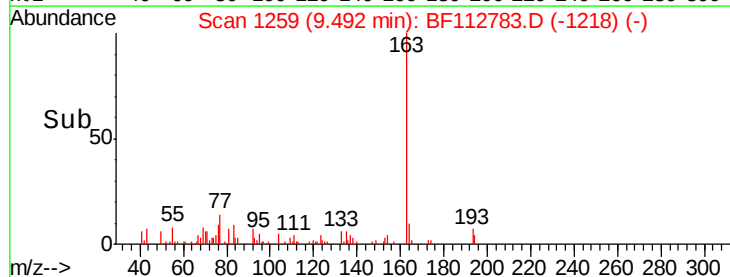
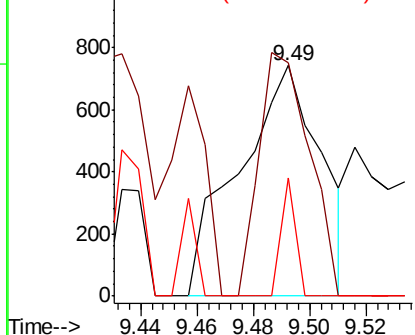


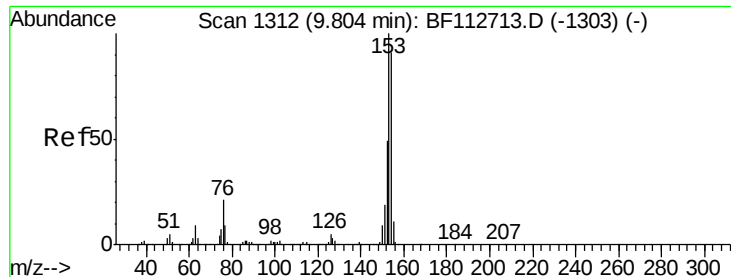
#51  
2,6-Dinitrotoluene  
Concen: 0.311 ng  
RT: 9.49 min Scan# 1259  
Delta R.T. -0.06 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:165 Resp: 1500  
Ion Ratio Lower Upper  
165 100  
63 101.3 54.1 81.1#  
89 51.0 52.8 79.2#



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: 0.770 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

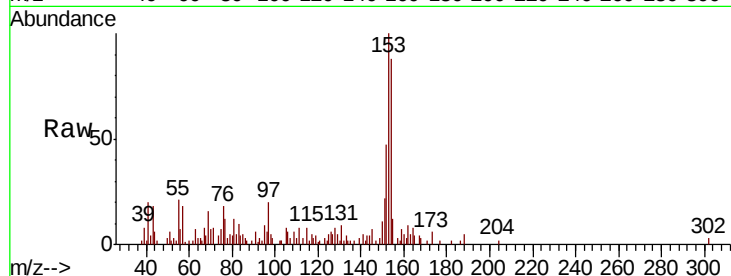
Tgt Ion:154 Resp: 15313

Ion Ratio Lower Upper

154 100

153 113.2 87.8 131.8

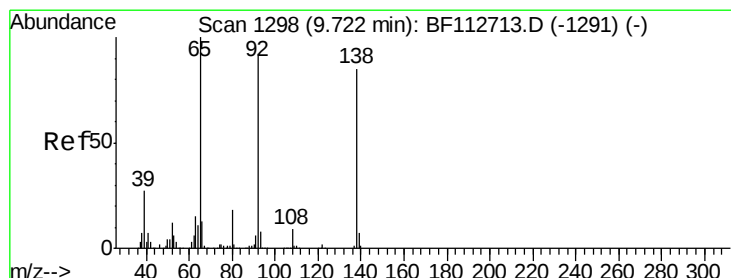
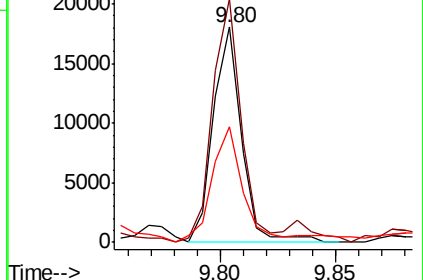
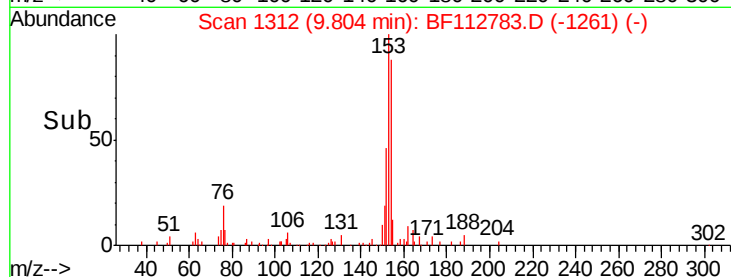
152 53.7 43.0 64.6



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



#53

3-Nitroaniline

Concen: 0.018 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

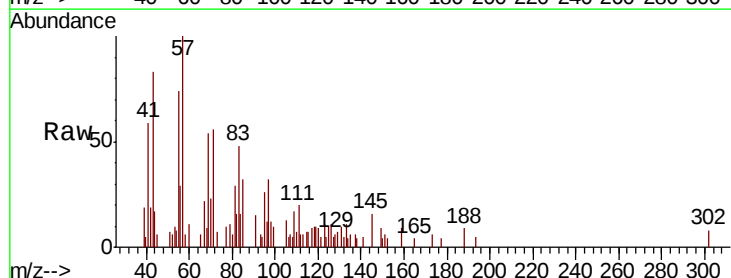
Tgt Ion:138 Resp: 106

Ion Ratio Lower Upper

138 100

108 127.0 8.6 13.0#

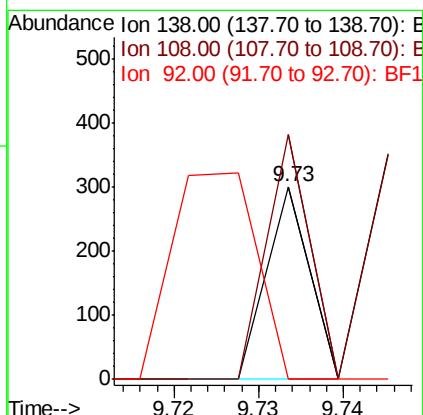
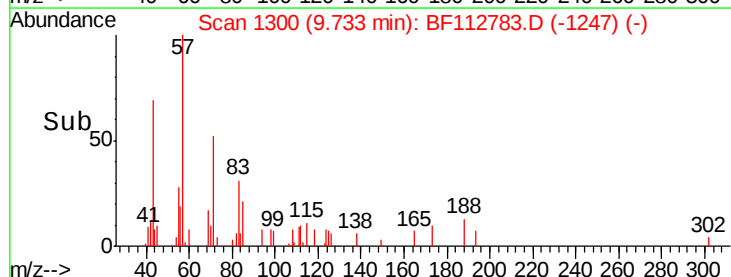
92 0.0 86.6 129.8#

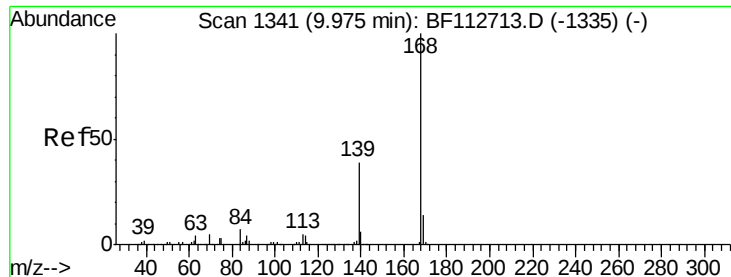


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

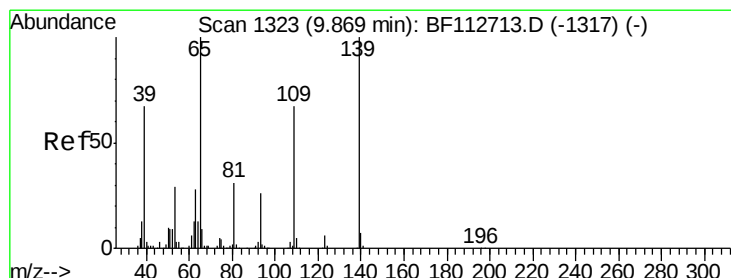
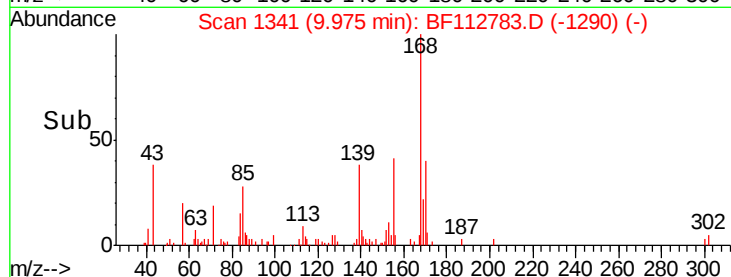
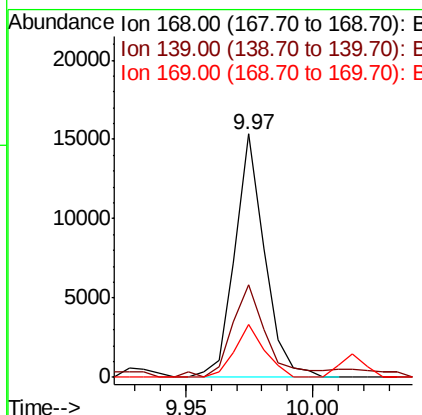
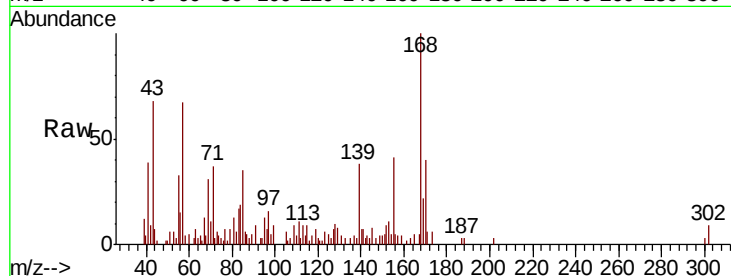




#55  
Dibenzenofuran  
Concen: 0.432 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

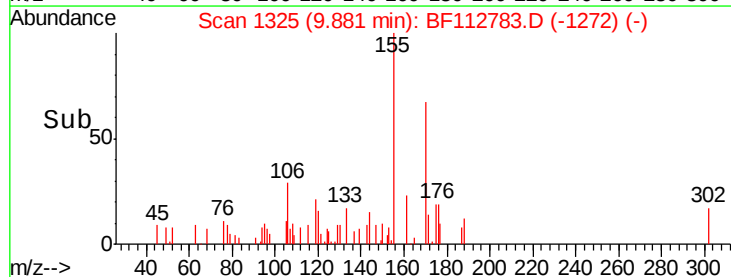
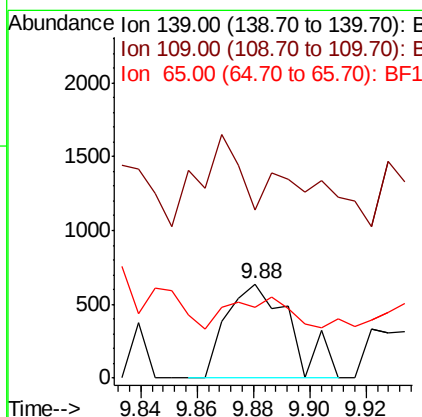
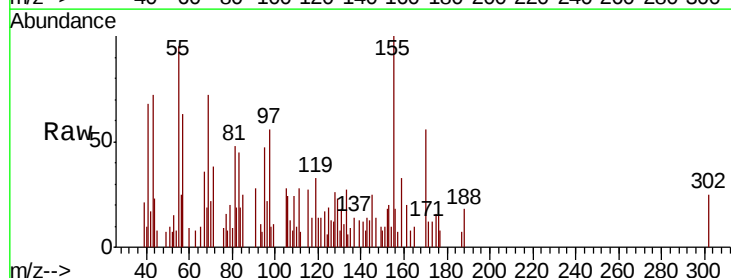
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

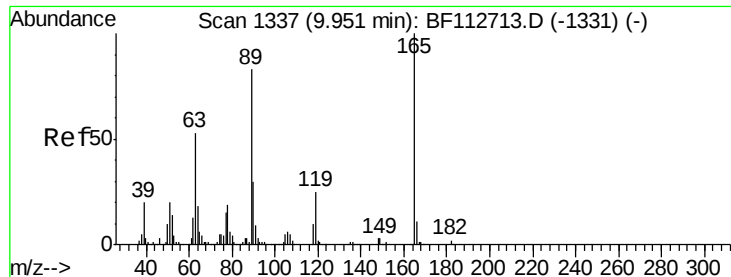
Tgt Ion:168 Resp: 12474  
Ion Ratio Lower Upper  
168 100  
139 38.1 31.3 46.9  
169 22.0 11.3 16.9#



#56  
4-Nitrophenol  
Concen: 0.211 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:139 Resp: 1007  
Ion Ratio Lower Upper  
139 100  
109 178.7 46.8 86.8#  
65 75.7 80.7 120.7#

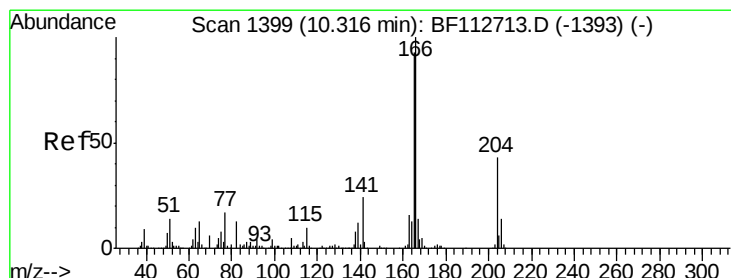
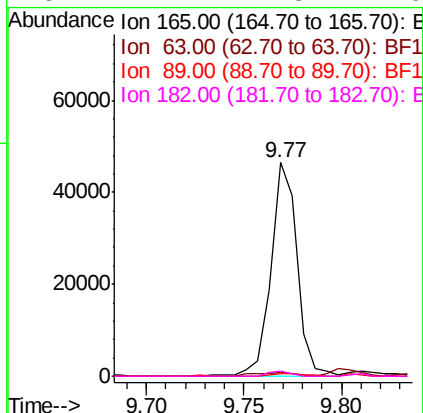
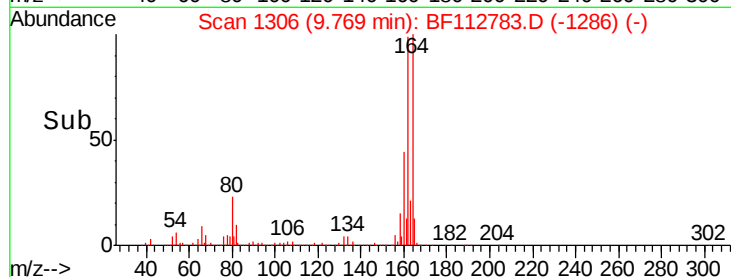
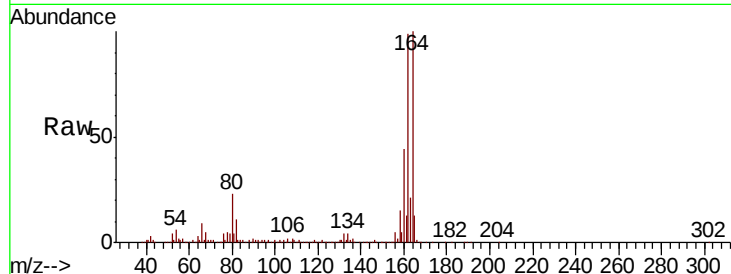




#57  
2,4-Dinitrotoluene  
Concen: 7.199 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.18 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

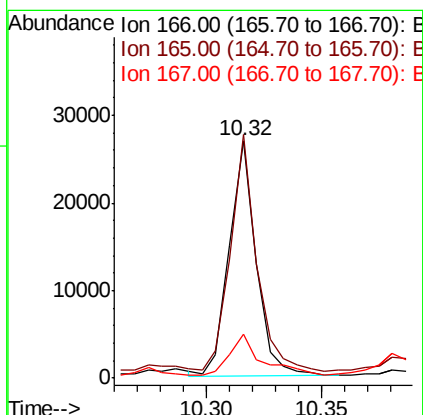
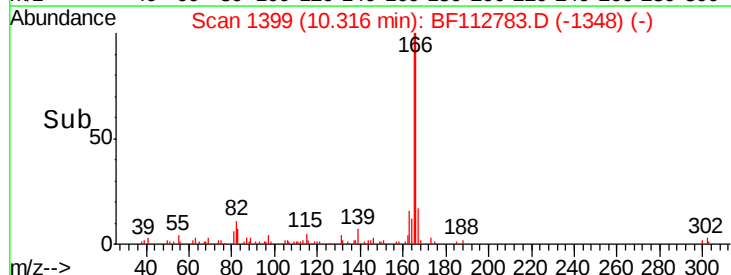
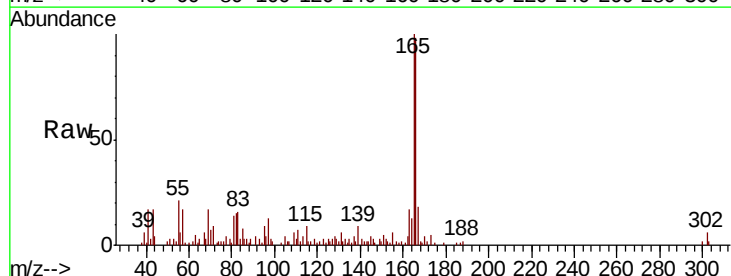
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

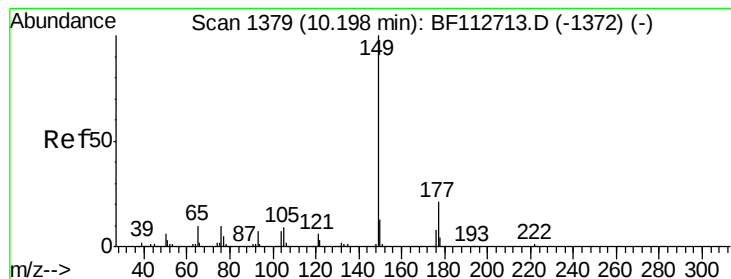
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 42.2  | 63.2# |
| 89      | 1.5   | 66.2  | 99.4# |
| 182     | 2.4   | 1.8   | 2.6   |



#58  
Fluorene  
Concen: 1.071 ng  
RT: 10.32 min Scan# 1399  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.4 | 74.7  | 112.1 |
| 167     | 18.3  | 11.0  | 16.6# |





#60

Diethylphthalate

Concen: 0.038 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

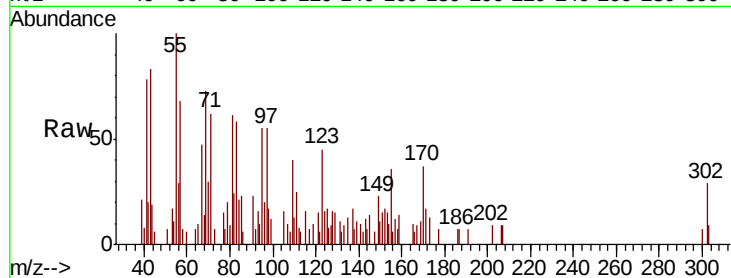
Tgt Ion:149 Resp: 939

Ion Ratio Lower Upper

149 100

177 30.5 17.0 25.6#

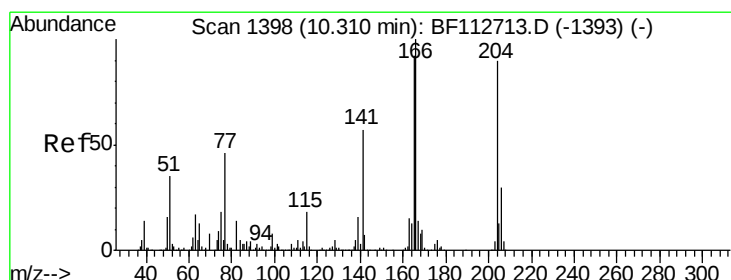
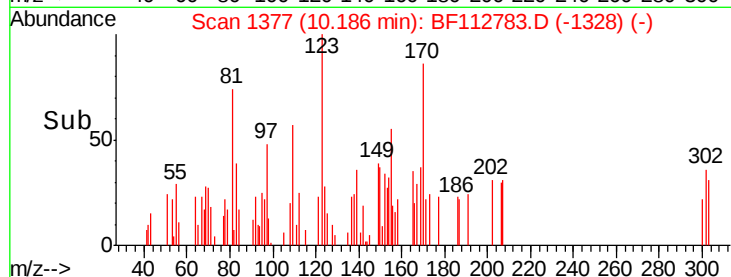
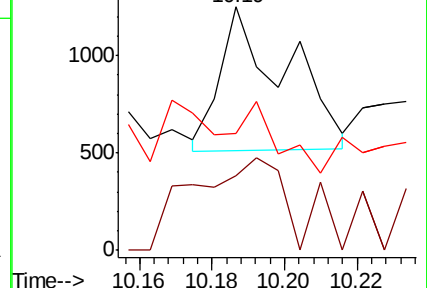
150 48.2 10.0 15.0#



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



#61

4-Chlorophenyl-phenylether

Concen: 0.011 ng

RT: 10.17 min Scan# 1374

Delta R.T. -0.14 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

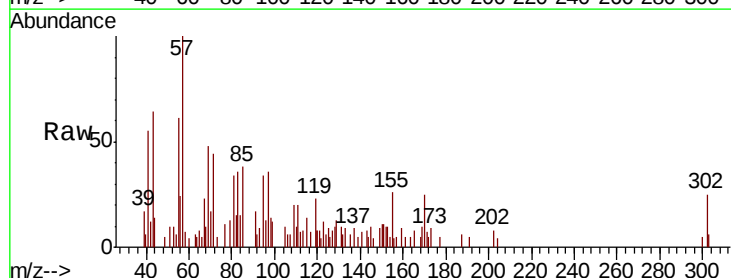
Tgt Ion:204 Resp: 107

Ion Ratio Lower Upper

204 100

206 0.0 26.6 40.0#

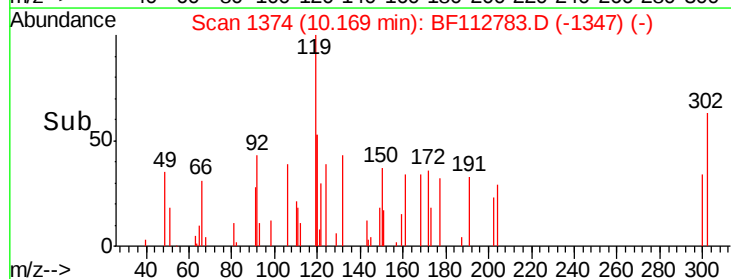
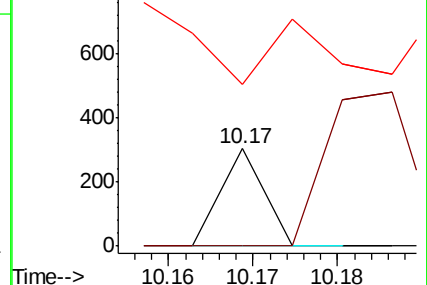
141 166.1 50.8 76.2#

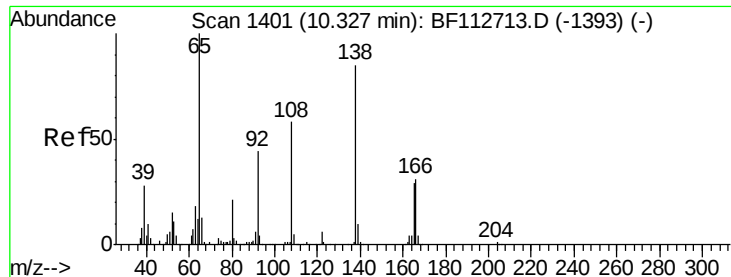


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 0.068 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.28 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

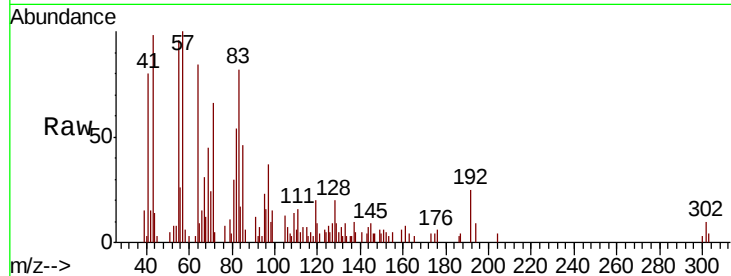
Tgt Ion:138 Resp: 371

Ion Ratio Lower Upper

138 100

92 62.9 31.3 71.3

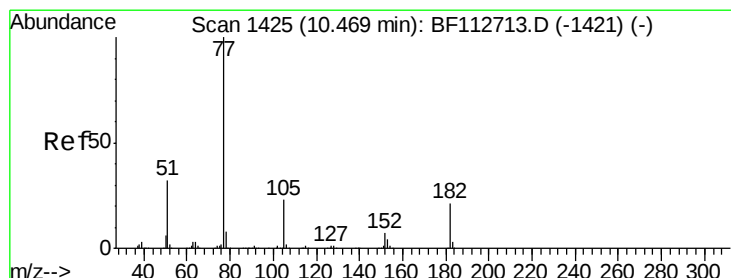
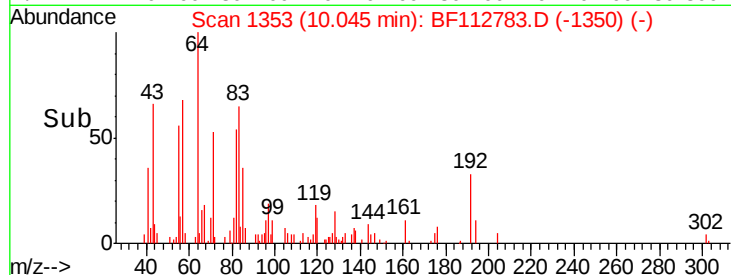
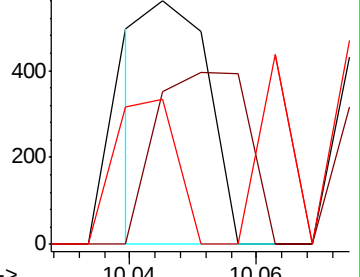
108 59.4 48.1 88.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 0.048 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Tgt Ion: 77 Resp: 1205

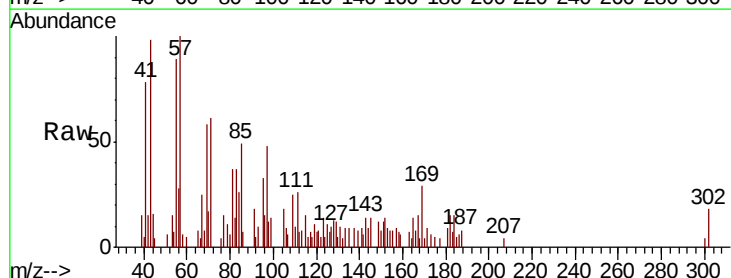
Ion Ratio Lower Upper

77 100

182 101.2 1.4 41.4#

105 122.6 2.6 42.6#

51 43.1 12.0 52.0

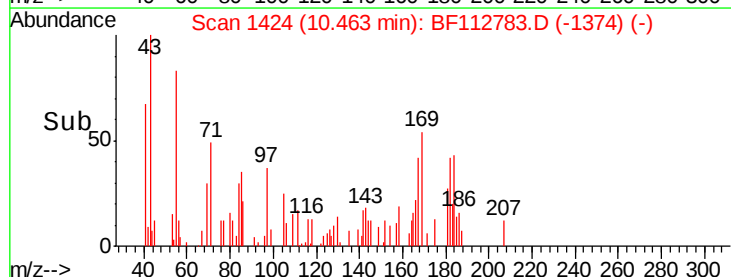
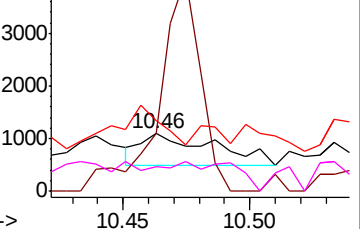


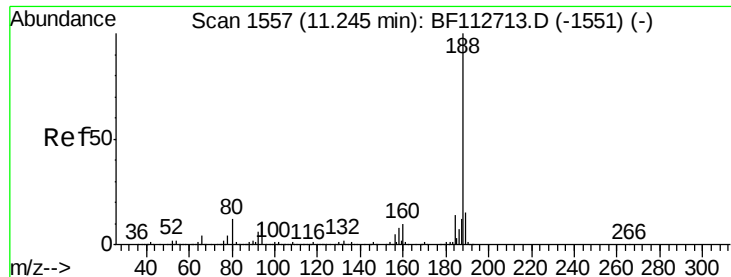
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

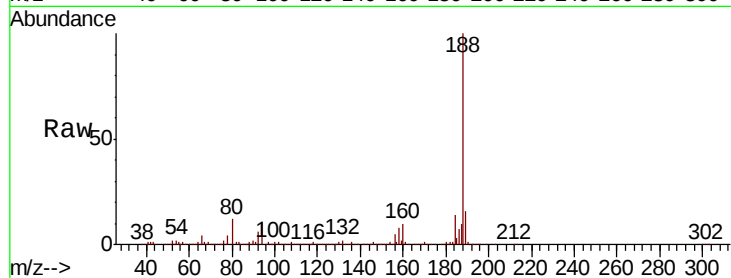
Tgt Ion:188 Resp: 553569

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

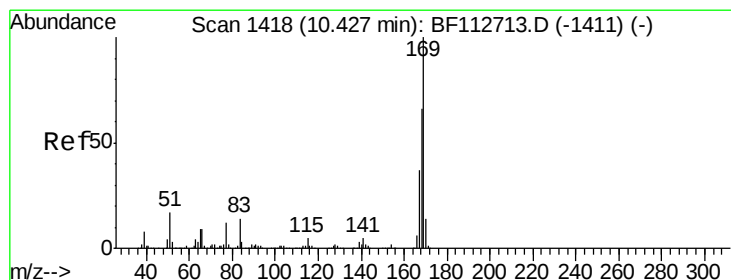
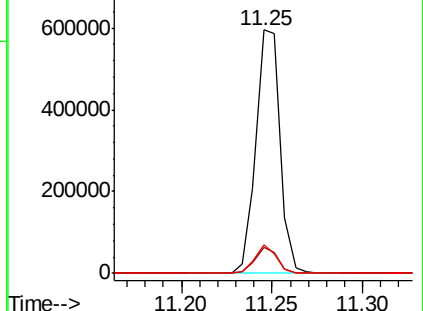
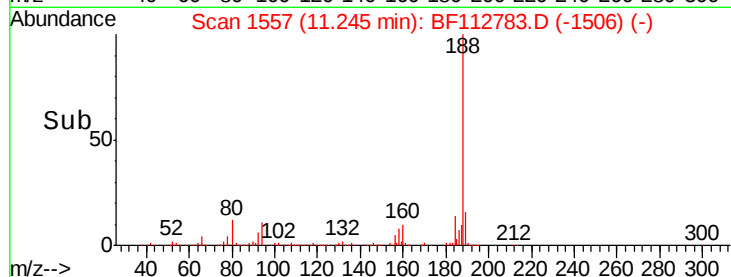
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 0.172 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

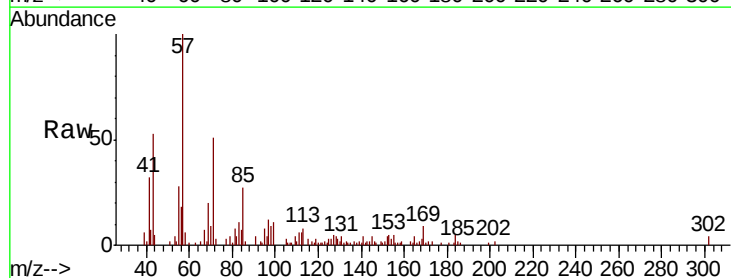
Tgt Ion:169 Resp: 3054

Ion Ratio Lower Upper

169 100

168 29.2 53.0 79.6#

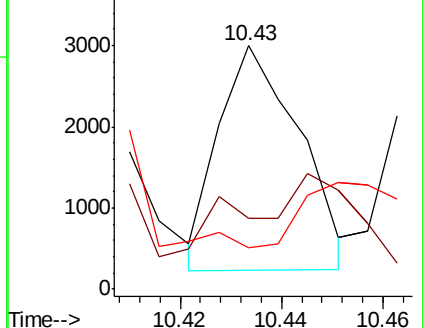
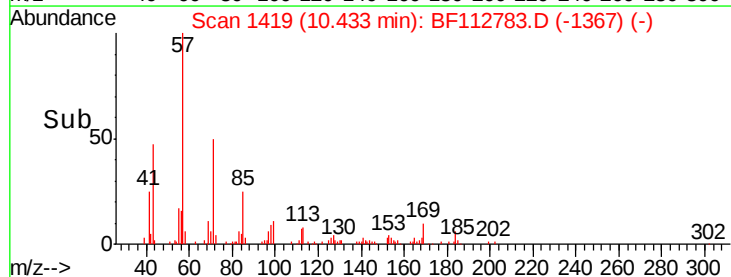
167 16.8 29.3 43.9#

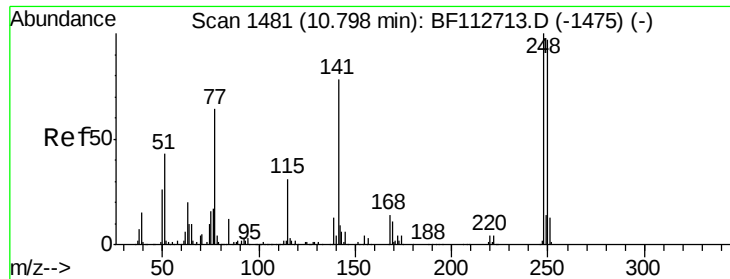


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

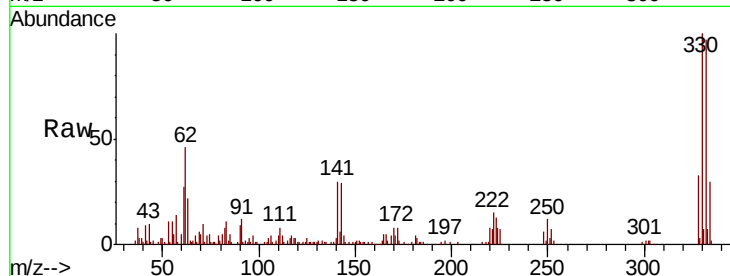




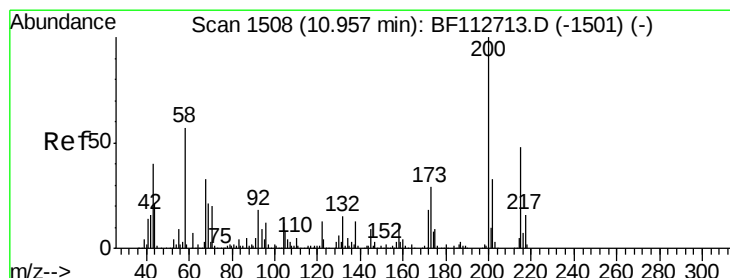
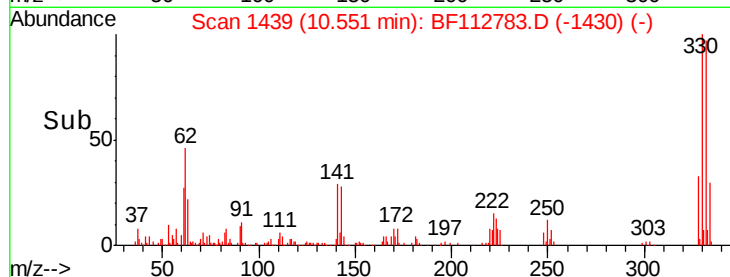
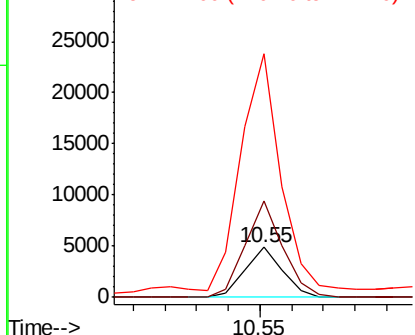
#67  
4-Bromophenyl-phenylether  
Concen: 0.682 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.25 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion:248 Resp: 3979  
Ion Ratio Lower Upper  
248 100  
250 192.0 77.5 116.3#  
141 486.7 62.4 93.6#

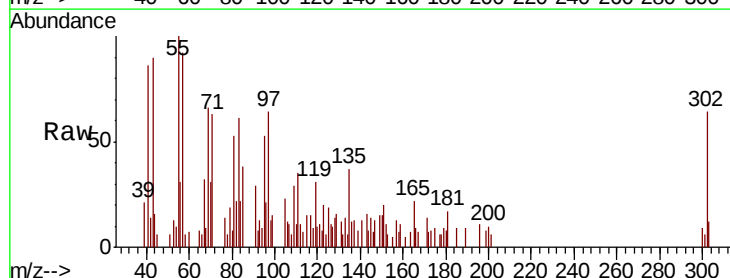


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

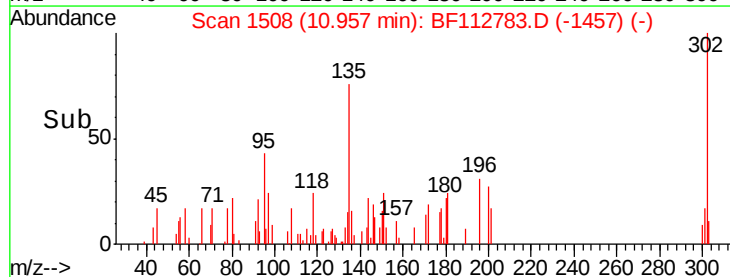
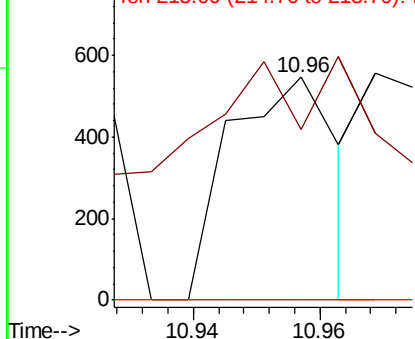


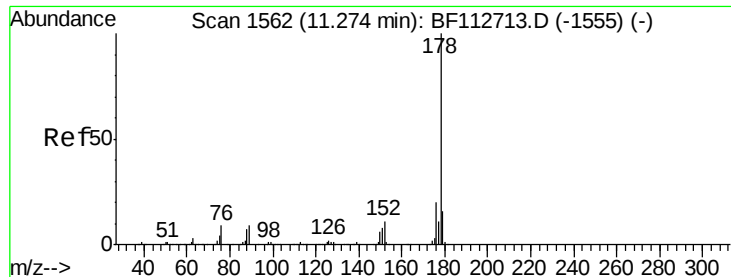
#69  
Atrazine  
Concen: 0.118 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:200 Resp: 642  
Ion Ratio Lower Upper  
200 100  
173 76.8 9.1 49.1#  
215 0.0 28.2 68.2#



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





#71

Phenanthrene

Concen: 7.947 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

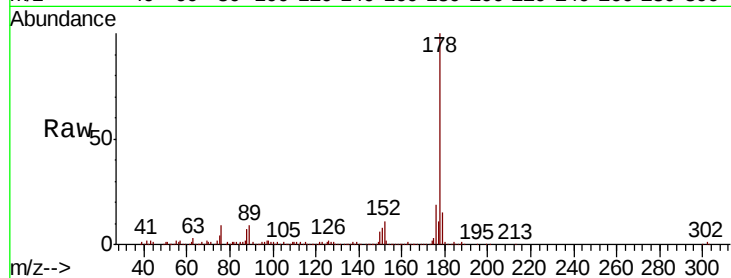
Tgt Ion:178 Resp: 218867

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

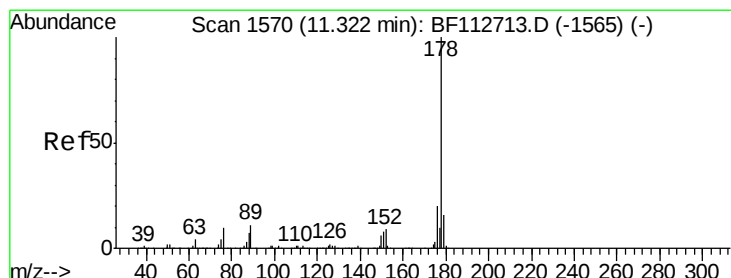
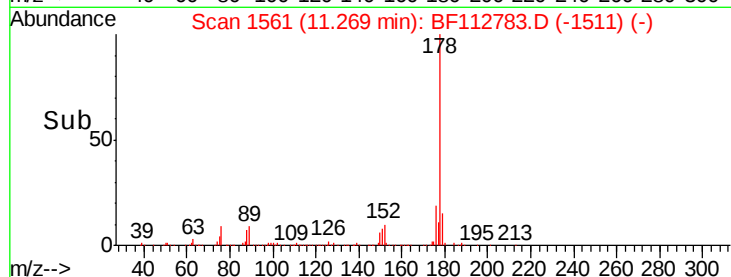
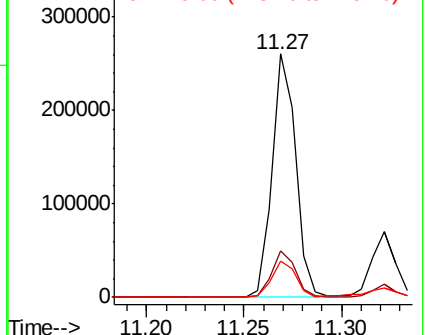
179 15.1 12.7 19.1



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: 1.990 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

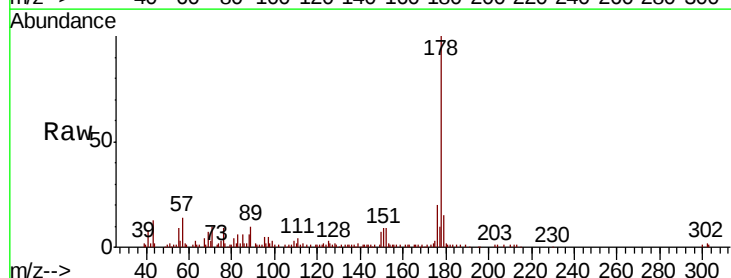
Tgt Ion:178 Resp: 57364

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

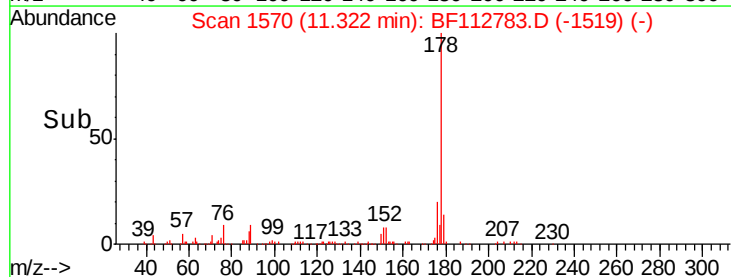
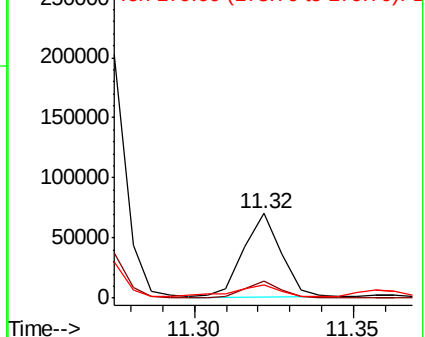
179 15.0 13.0 19.6

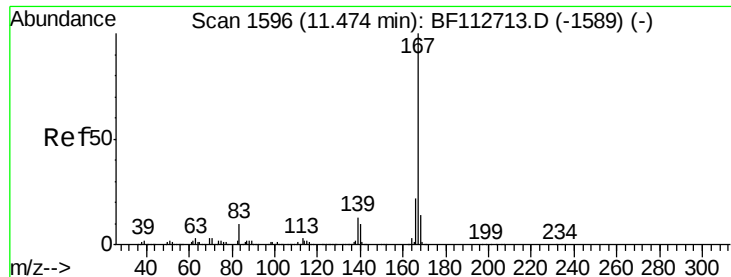


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

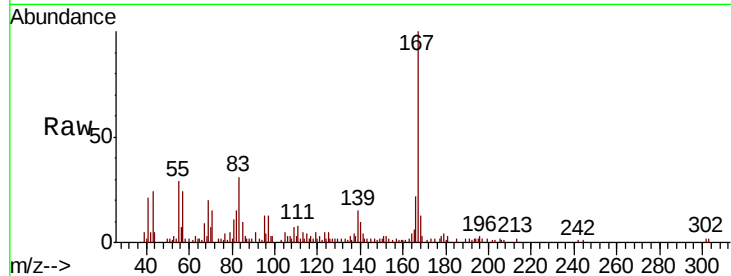




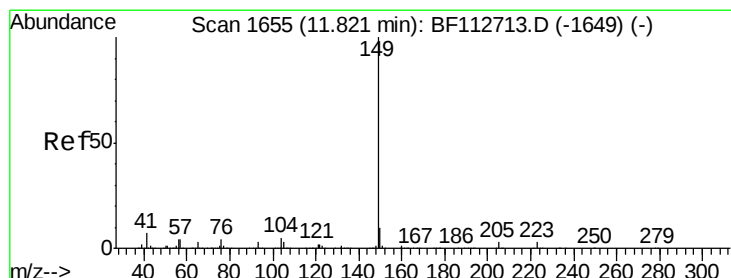
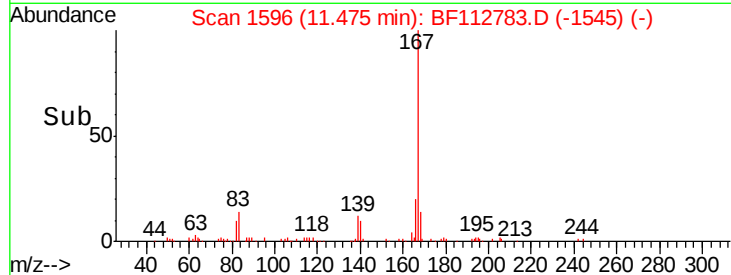
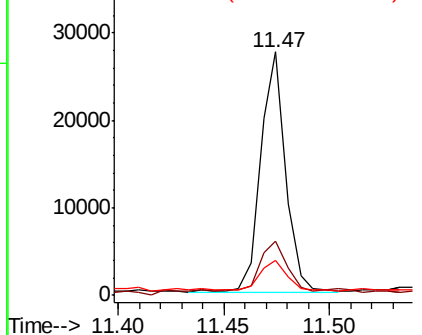
#73  
 Carbazole  
 Concen: 0.805 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. 0.00 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-022719-B

Tgt Ion:167 Resp: 22629  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.5 26.3  
 139 14.5 10.8 16.2

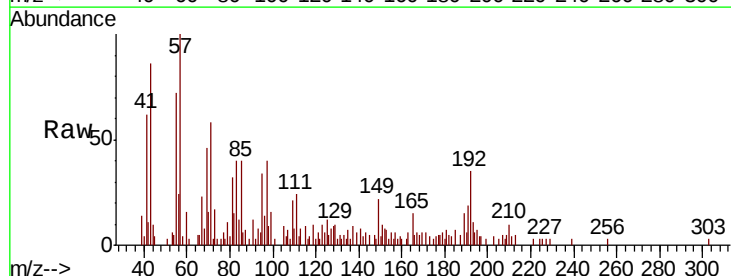


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

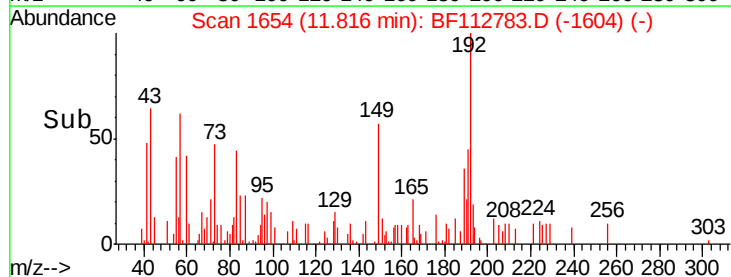
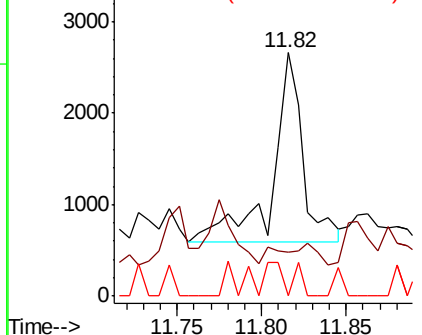


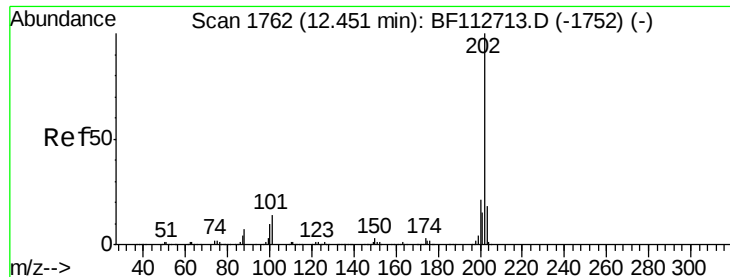
#74  
 Di-n-butylphthalate  
 Concen: 0.077 ng  
 RT: 11.82 min Scan# 1654  
 Delta R.T. -0.01 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

Tgt Ion:149 Resp: 2584  
 Ion Ratio Lower Upper  
 149 100  
 150 18.2 7.6 11.4#  
 104 0.0 3.7 5.5#



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: 12.078 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

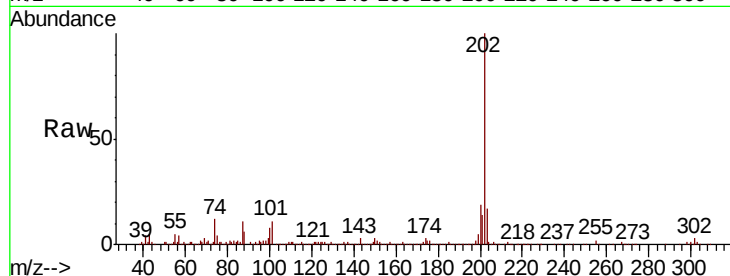
Tgt Ion:202 Resp: 356390

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.8

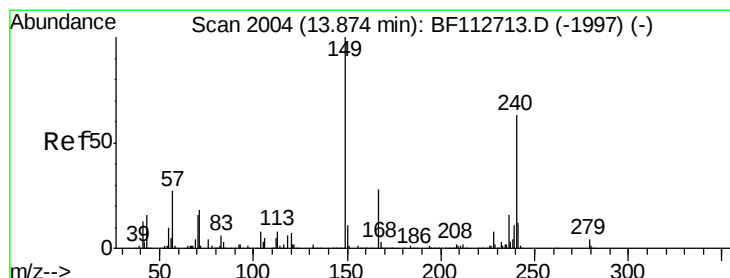
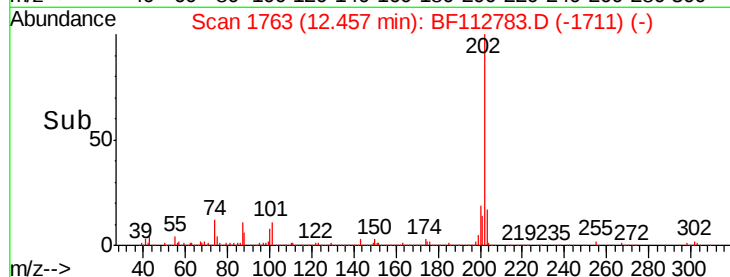
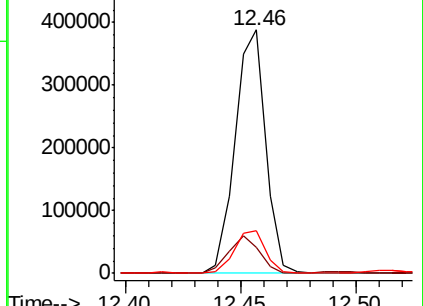
203 17.3 0.0 38.4



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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

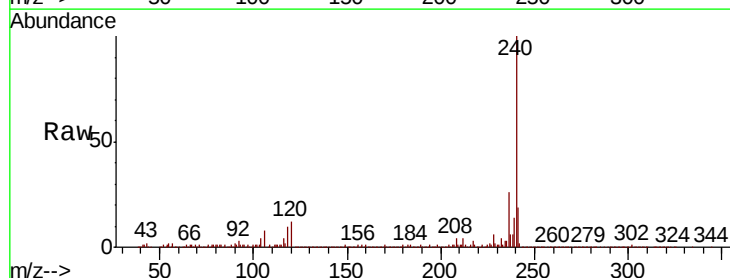
Tgt Ion:240 Resp: 530835

Ion Ratio Lower Upper

240 100

120 12.0 8.9 13.3

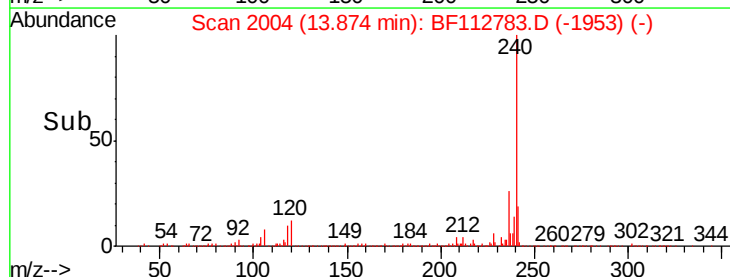
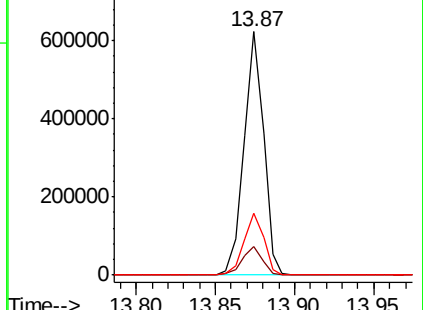
236 25.7 20.7 31.1

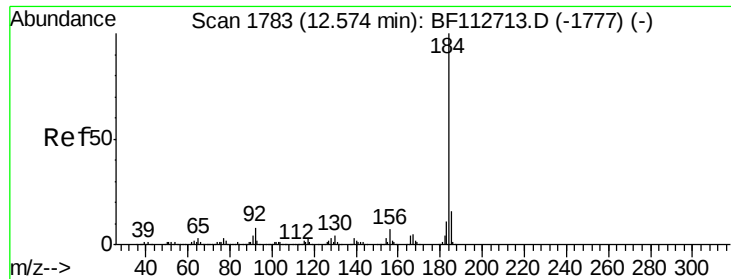


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.010 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

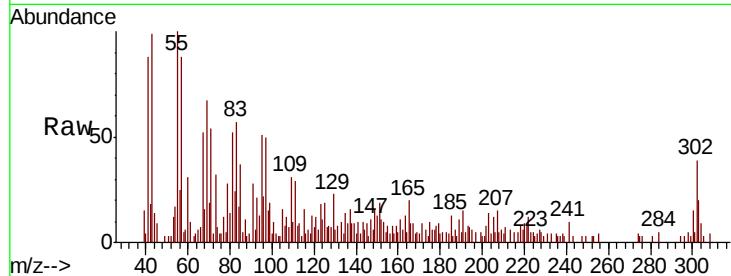
Tgt Ion:184 Resp: 282

Ion Ratio Lower Upper

184 100

185 306.4 12.6 18.8#

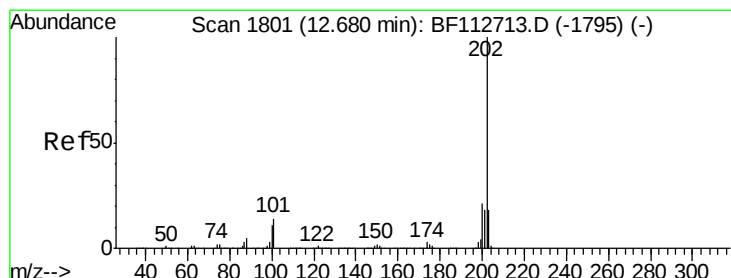
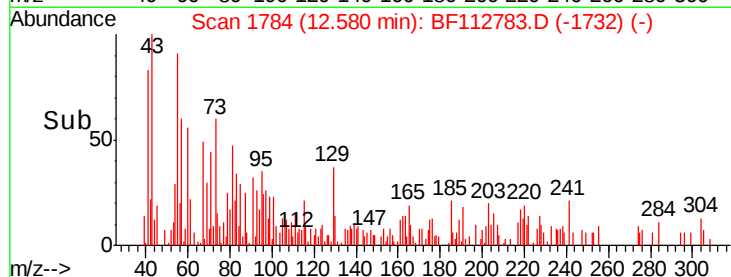
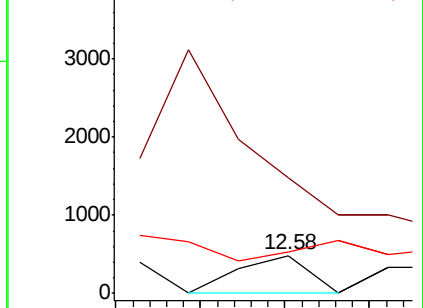
183 109.8 8.6 12.8#



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: 7.620 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

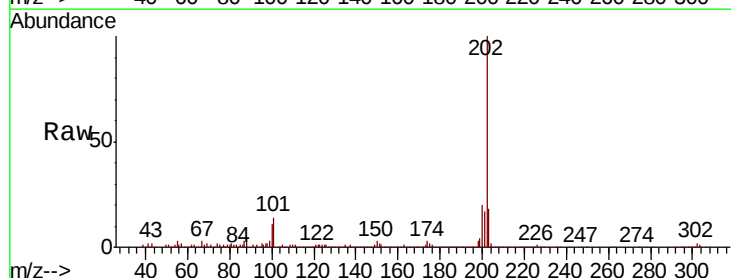
Tgt Ion:202 Resp: 341011

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

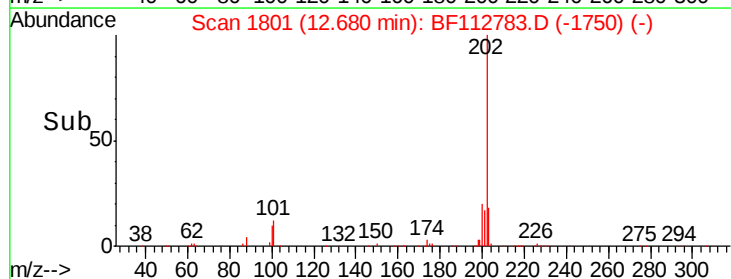
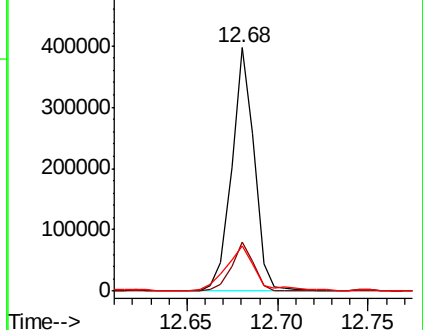
203 18.4 14.4 21.6

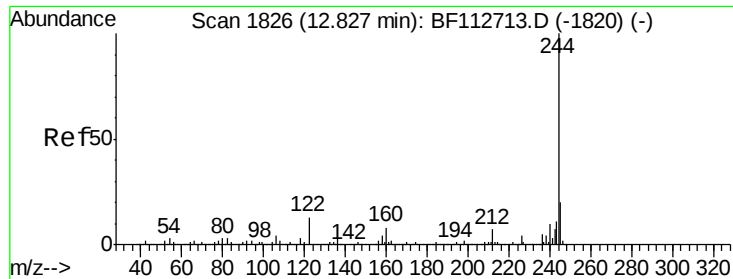


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

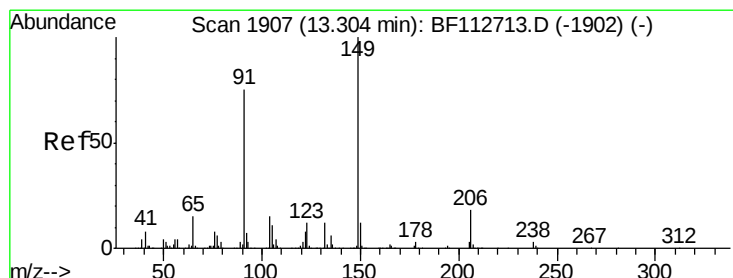
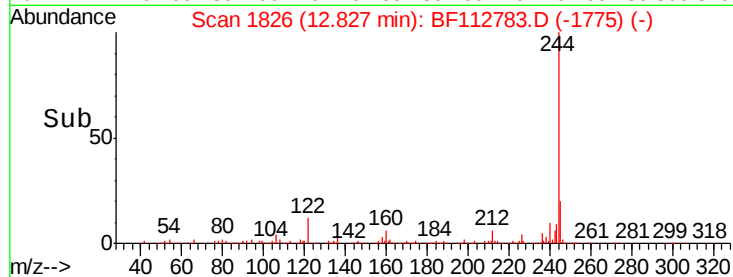
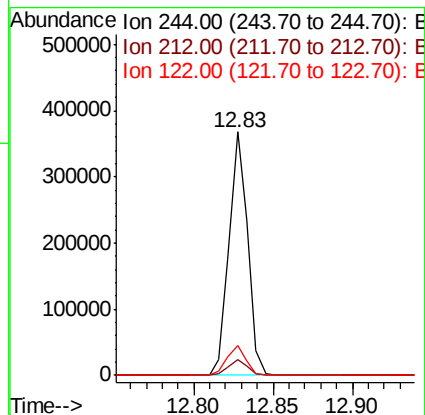
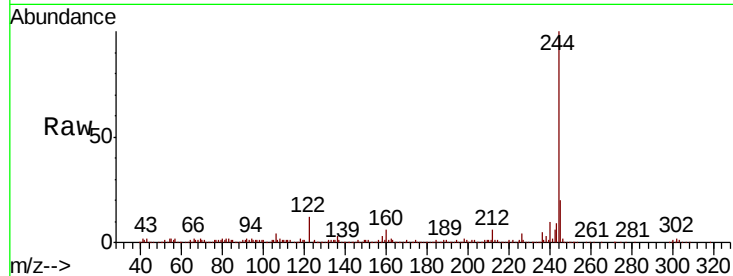




#79  
 Terphenyl-d14  
 Concen: 10.876 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

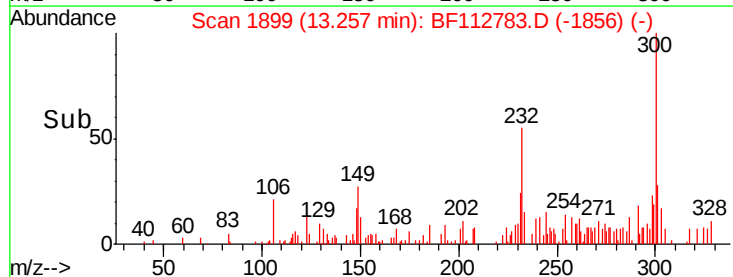
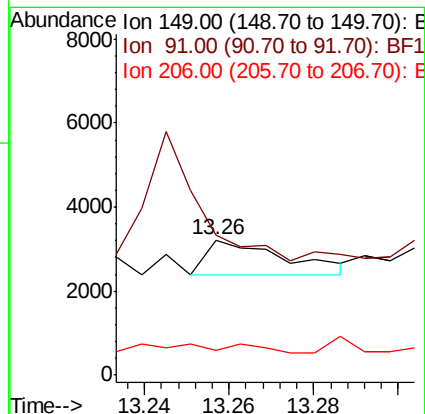
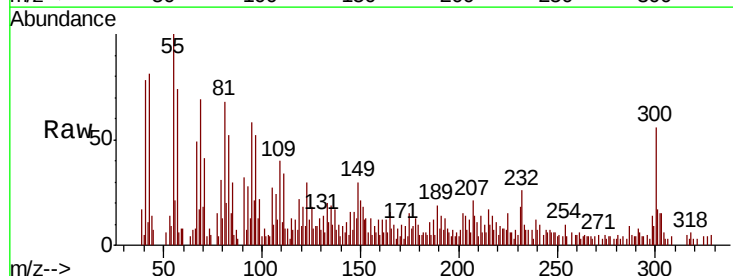
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-022719-B

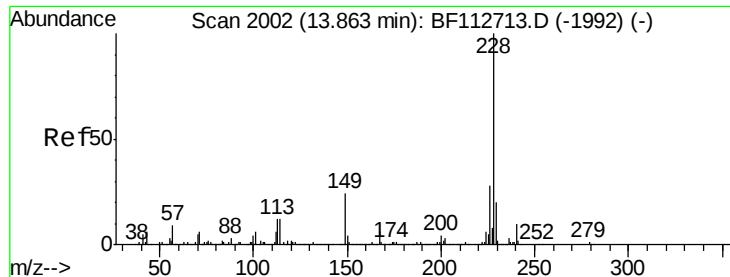
Tgt Ion: 244 Resp: 297823  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.6 8.4  
 122 12.1 10.5 15.7



#80  
 Butylbenzylphthalate  
 Concen: 0.053 ng  
 RT: 13.26 min Scan# 1899  
 Delta R.T. -0.05 min  
 Lab File: BF112783.D  
 Acq: 1 Mar 2019 1:21

Tgt Ion: 149 Resp: 1038  
 Ion Ratio Lower Upper  
 149 100  
 91 104.1 59.9 89.9#  
 206 18.8 14.7 22.1

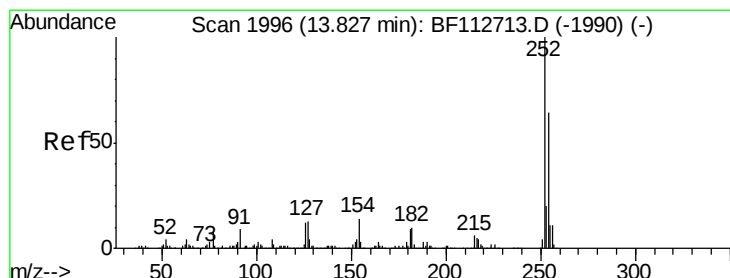
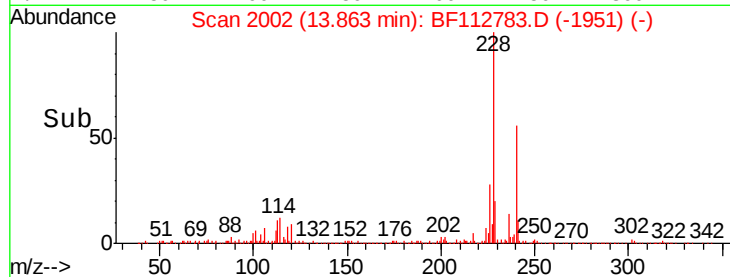
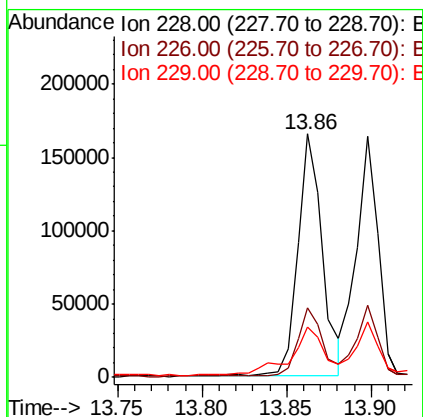
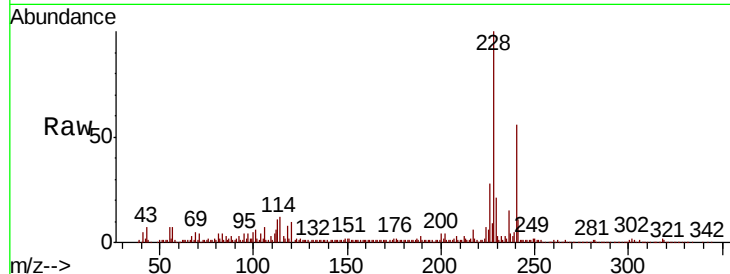




#81  
Benzo(a)anthracene  
Concen: 4.542 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

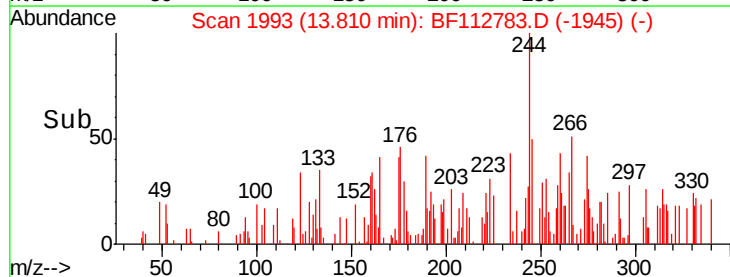
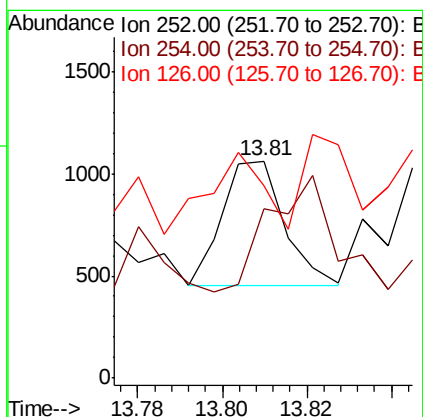
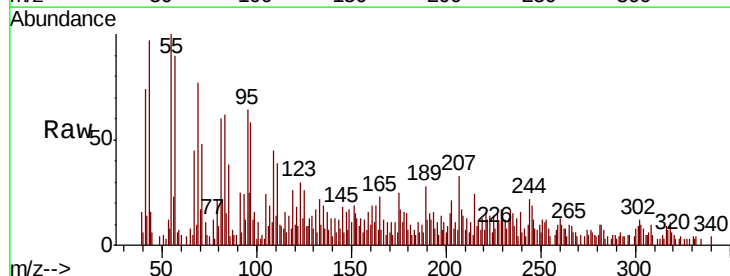
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

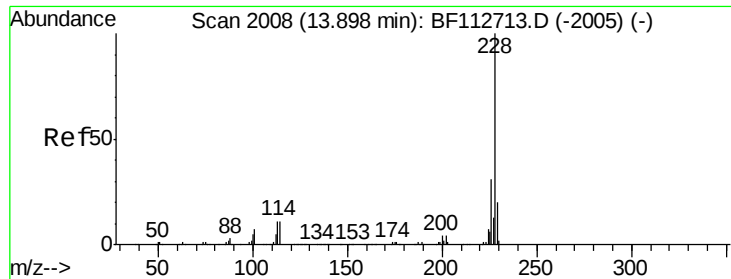
Tgt Ion: 228 Resp: 167088  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.2 33.4  
229 20.8 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 0.045 ng  
RT: 13.81 min Scan# 1993  
Delta R.T. -0.02 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 252 Resp: 626  
Ion Ratio Lower Upper  
252 100  
254 78.3 51.1 76.7#  
126 88.6 9.9 14.9#

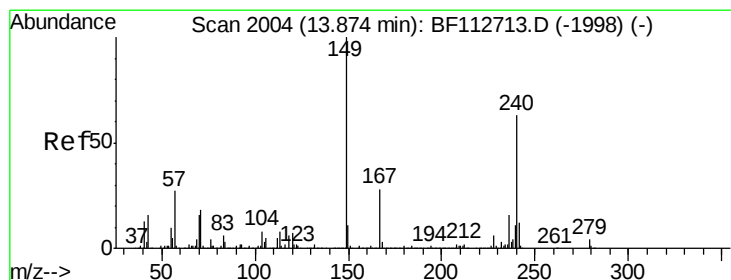
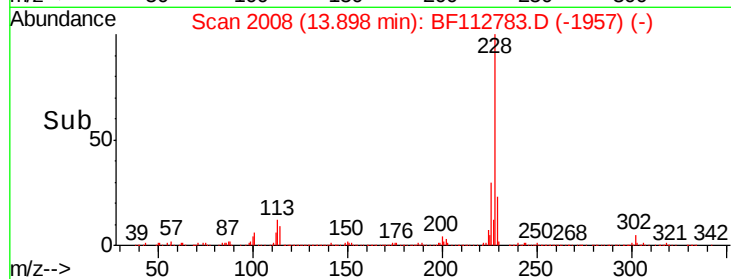
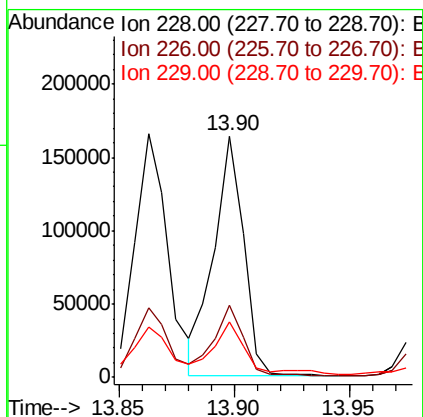
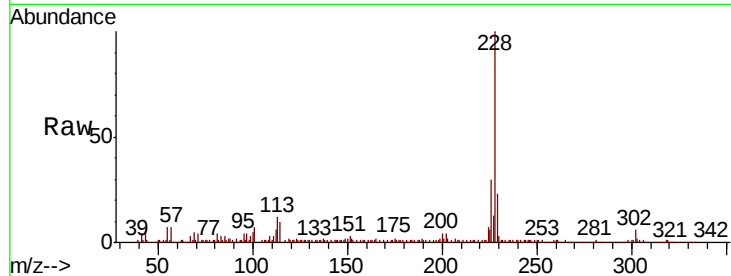




#83  
Chrysene  
Concen: 4.090 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

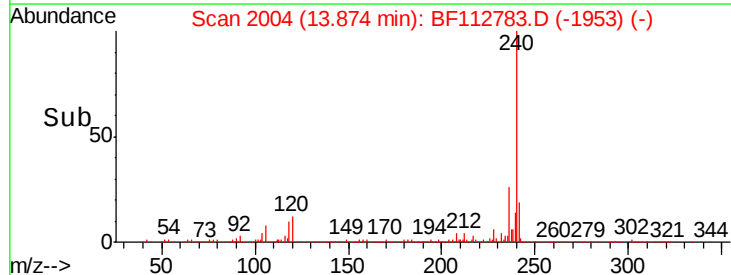
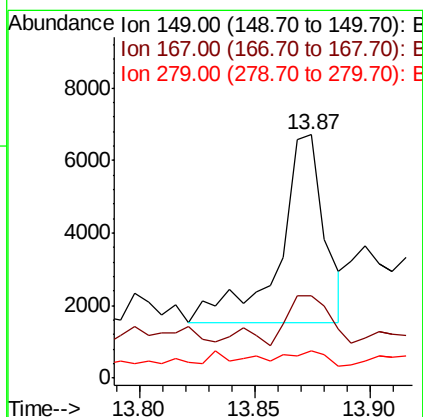
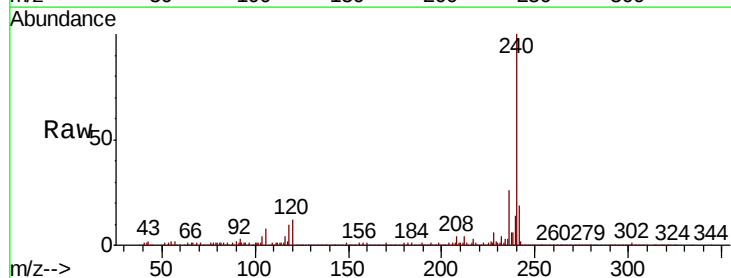
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

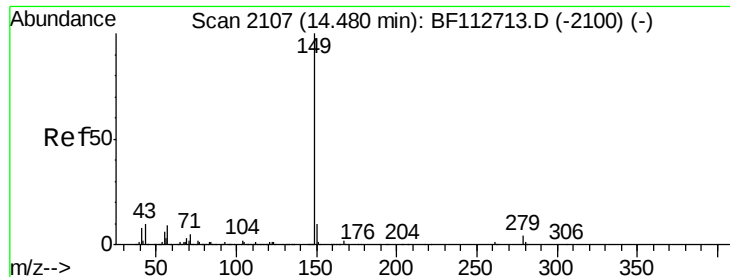
Tgt Ion: 228 Resp: 147381  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.9 37.3  
229 23.2 16.3 24.5



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 0.309 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. 0.00 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion: 149 Resp: 7152  
Ion Ratio Lower Upper  
149 100  
167 33.8 22.4 33.6#  
279 11.0 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 0.316 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.08 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

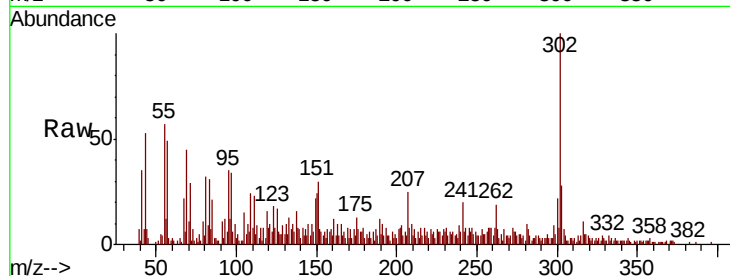
Tgt Ion:149 Resp: 12591

Ion Ratio Lower Upper

149 100

167 1.9 1.2 1.8#

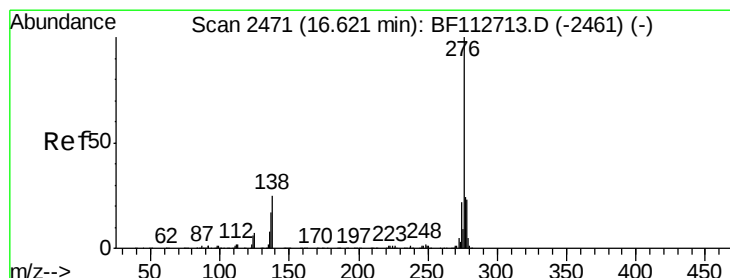
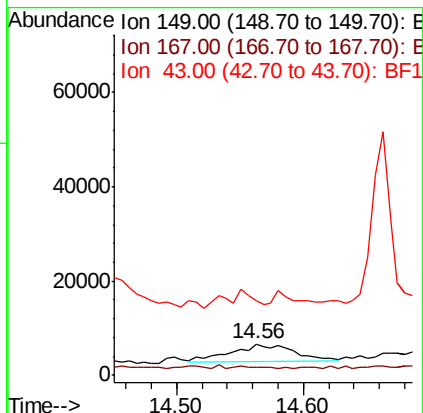
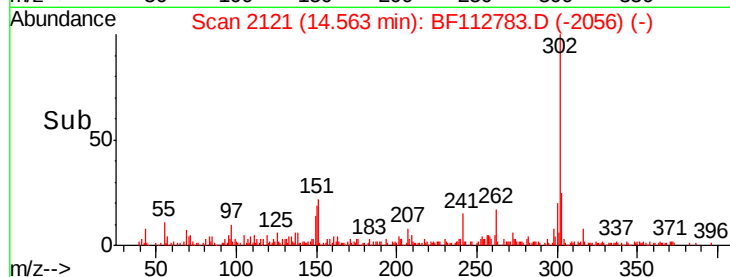
43 44.1 9.0 13.4#



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: 2.319 ng

RT: 16.64 min Scan# 2474

Delta R.T. 0.02 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

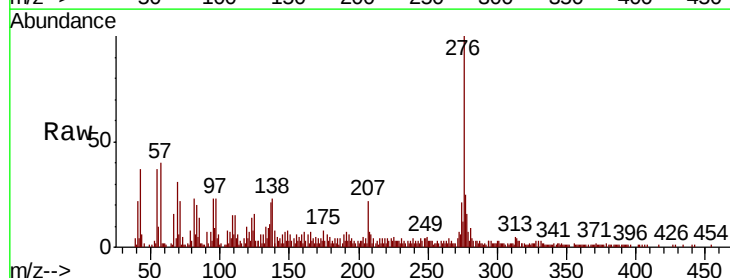
Tgt Ion:276 Resp: 71256

Ion Ratio Lower Upper

276 100

138 20.2 23.2 34.8#

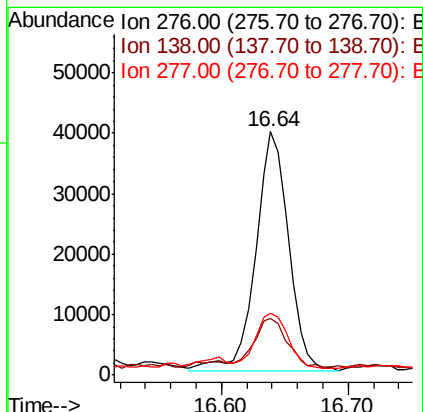
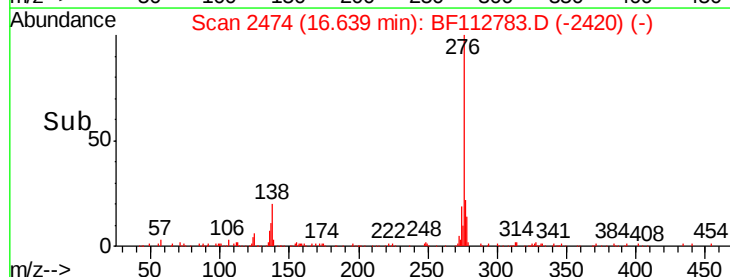
277 22.9 19.9 29.9

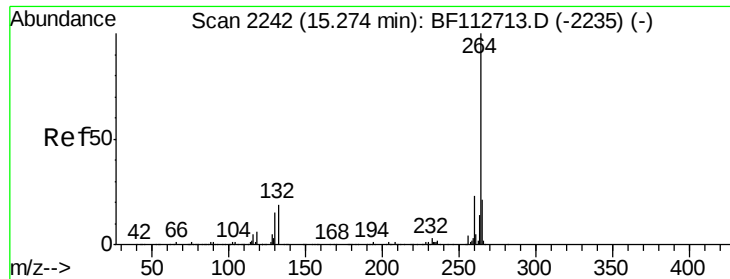


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



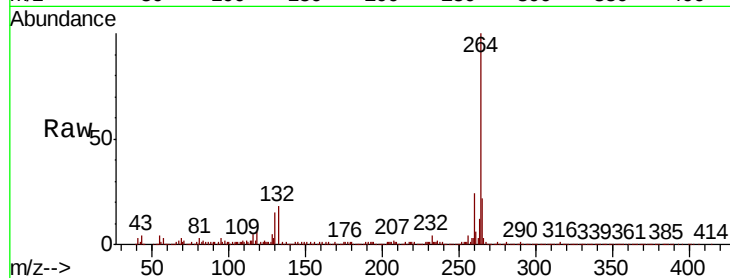


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.29 min Scan# 2244  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

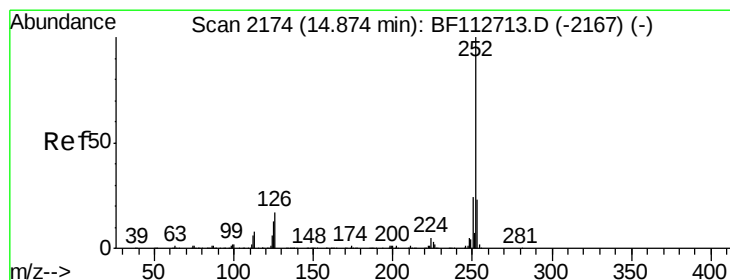
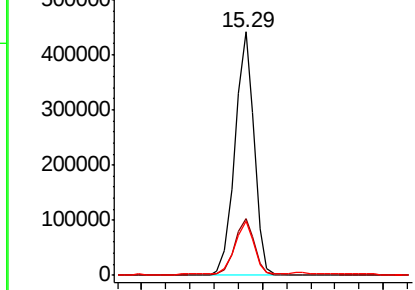
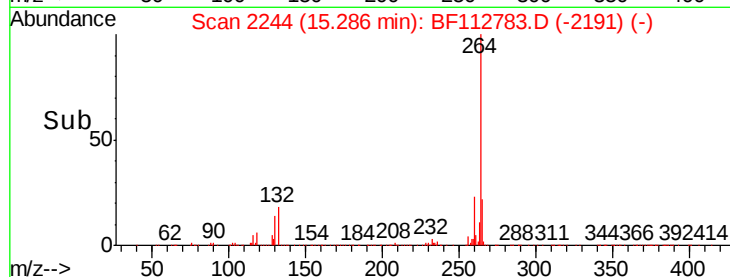
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion:264 Resp: 485483  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.7  | 28.1  |
| 265 | 22.1  | 17.2  | 25.8  |



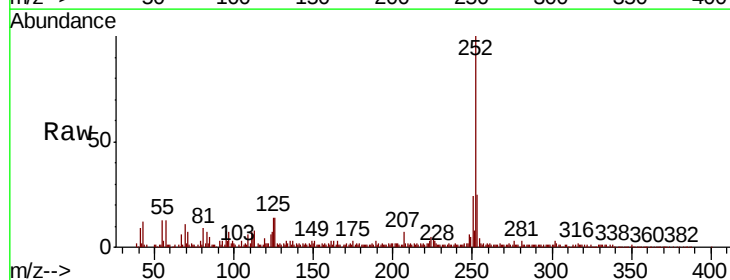
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



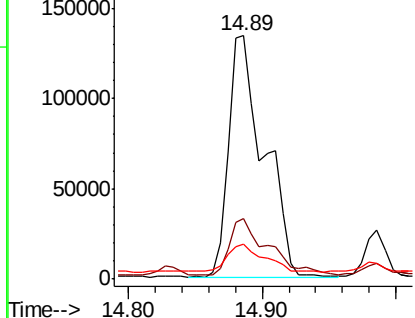
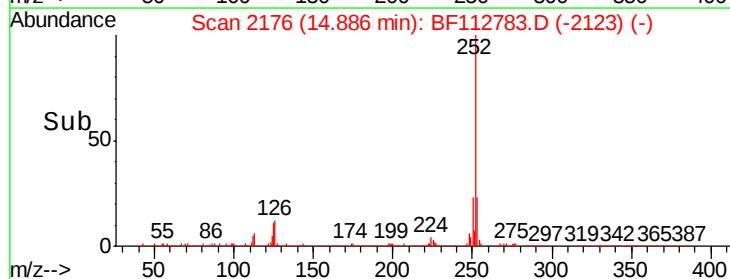
#88  
Benzo(b)fluoranthene  
Concen: 7.880 ng  
RT: 14.89 min Scan# 2176  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

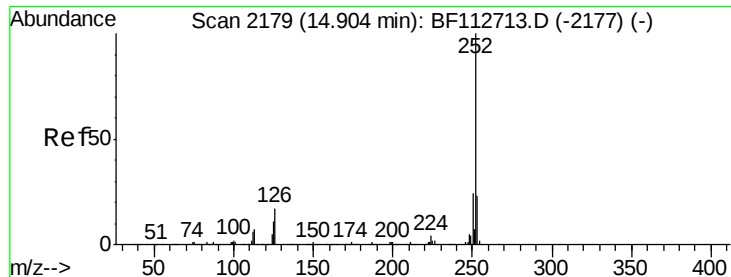
Tgt Ion:252 Resp: 247439  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.8  | 18.0  | 27.0  |
| 125 | 14.3  | 10.2  | 15.2  |



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

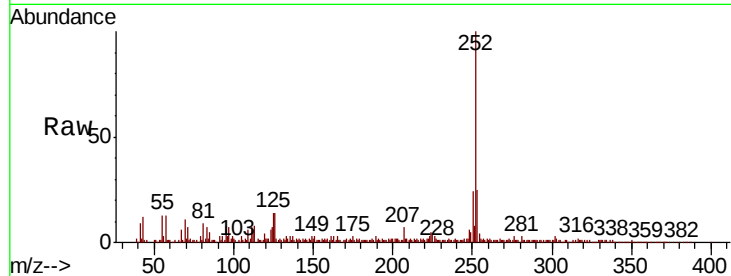




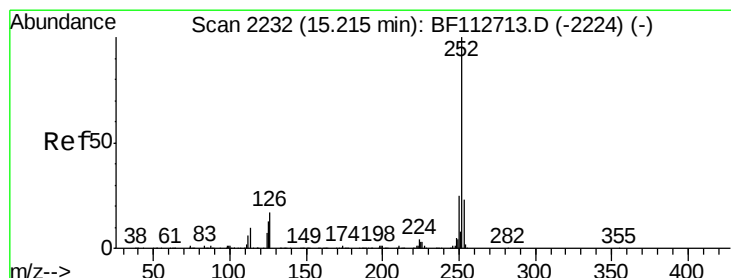
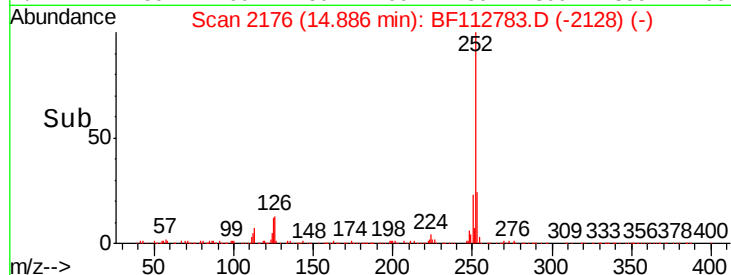
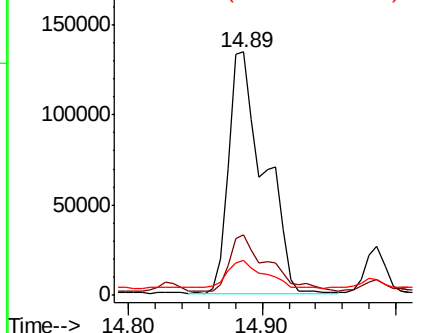
#89  
Benzo(k)fluoranthene  
Concen: 8.699 ng  
RT: 14.89 min Scan# 2176  
Delta R.T. -0.02 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-022719-B

Tgt Ion:252 Resp: 247439  
Ion Ratio Lower Upper  
252 100  
253 24.8 18.2 27.2  
125 14.3 9.8 14.6

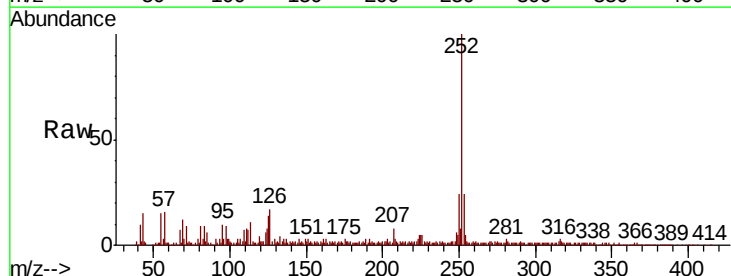


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

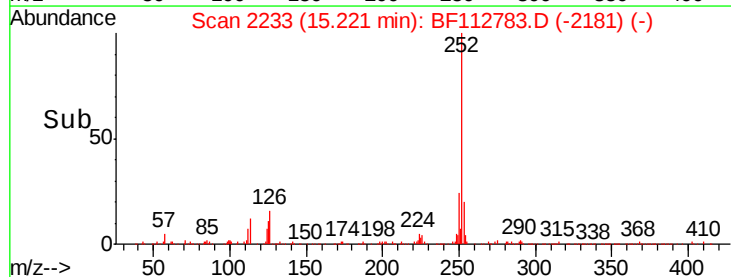
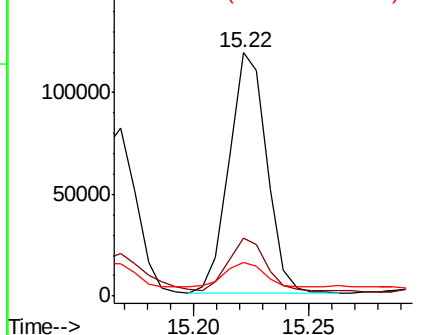


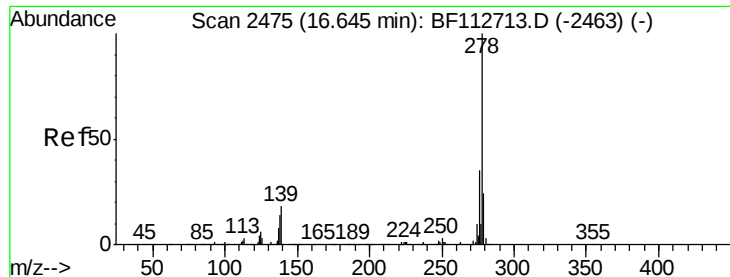
#90  
Benzo(a)pyrene  
Concen: 4.861 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. 0.01 min  
Lab File: BF112783.D  
Acq: 1 Mar 2019 1:21

Tgt Ion:252 Resp: 135029  
Ion Ratio Lower Upper  
252 100  
253 23.9 18.0 27.0  
125 14.0 10.7 16.1



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





#91

Dibenzo(a,h)anthracene

Concen: 0.733 ng

RT: 16.65 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

Instrument :

BNA\_F

ClientSampleId :

OR-03-022719-B

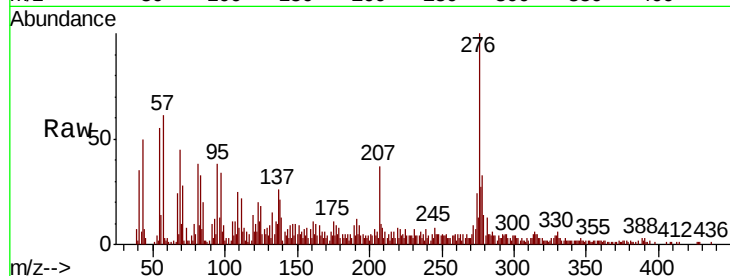
Tgt Ion:278 Resp: 17365

Ion Ratio Lower Upper

278 100

139 37.6 14.3 21.5#

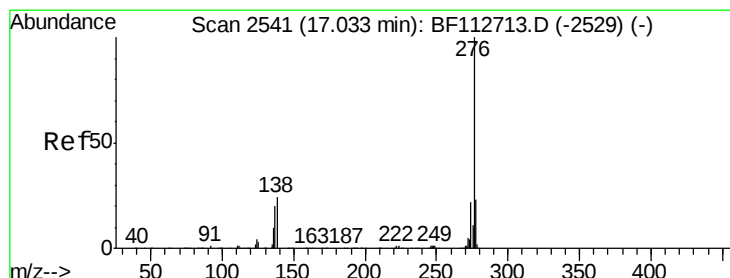
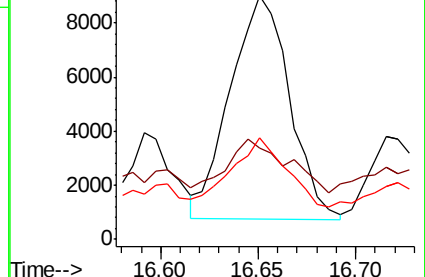
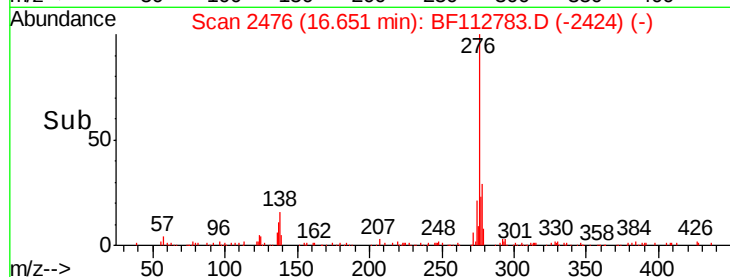
279 41.7 19.4 29.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.772 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF112783.D

Acq: 1 Mar 2019 1:21

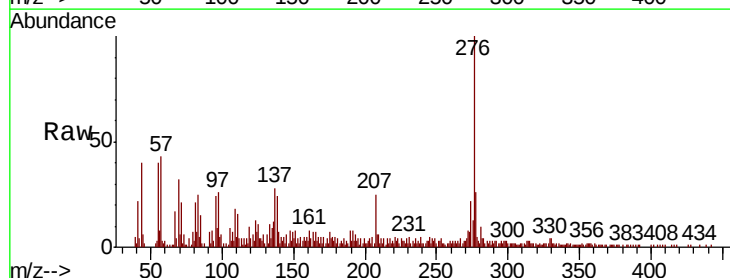
Tgt Ion:276 Resp: 65969

Ion Ratio Lower Upper

276 100

277 26.1 18.6 27.8

138 24.1 19.4 29.0



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

