

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112618\  
 Data File : BF110993.D  
 Acq On : 27 Nov 2018 5:42  
 Operator : JU/SJ  
 Sample : PB115071BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Quant Time: Nov 27 06:32:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 27 03:04:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.93  | 152  | 55959    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 213013   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.98  | 164  | 86039    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.47 | 188  | 144779   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.13 | 240  | 86933    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.67 | 264  | 65117    | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.57  | 112 | 269938 | 79.99 | ng | 0.00  |
| 7) Phenol-d6             | 6.57  | 99  | 328804 | 74.77 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.50  | 82  | 292670 | 78.63 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 60192  | 70.44 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.29  | 172 | 530145 | 89.27 | ng | 0.00  |
| 79) Terphenyl-d14        | 13.06 | 244 | 415892 | 93.13 | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.84 | 88  | 46080  | 28.503 | ng | 87     |
| 3) Pyridine                    | 3.62 | 79  | 125418 | 35.428 | ng | # 82   |
| 4) n-Nitrosodimethylamine      | 3.59 | 42  | 65284  | 40.302 | ng | 85     |
| 6) Aniline                     | 6.60 | 93  | 82972  | 15.263 | ng | # 63   |
| 8) 2-Chlorophenol              | 6.72 | 128 | 144851 | 36.221 | ng | 96     |
| 9) Benzaldehyde                | 6.50 | 77  | 52309  | 19.019 | ng | 96     |
| 10) Phenol                     | 6.58 | 94  | 171605 | 34.651 | ng | # 67   |
| 11) bis(2-Chloroethyl)ether    | 6.67 | 93  | 138300 | 37.068 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.87 | 146 | 153276 | 34.888 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.95 | 146 | 155222 | 34.357 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.95 | 146 | 155222 | 36.504 | ng | 99     |
| 15) Benzyl Alcohol             | 7.08 | 79  | 112490 | 33.286 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45  | 207258 | 34.905 | ng | 80     |
| 17) 2-Methylphenol             | 7.19 | 107 | 115438 | 36.305 | ng | # 89   |
| 18) Hexachloroethane           | 7.44 | 117 | 44405  | 26.720 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70  | 100037 | 34.923 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.35 | 107 | 149304 | 35.323 | ng | # 49   |
| 22) Acetophenone               | 7.35 | 105 | 199738 | 40.004 | ng | # 93   |
| 24) Nitrobenzene               | 7.53 | 77  | 142171 | 36.731 | ng | 93     |
| 25) Isophorone                 | 7.76 | 82  | 260028 | 42.590 | ng | 97     |
| 26) 2-Nitrophenol              | 7.84 | 139 | 55097  | 29.300 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.87 | 122 | 125210 | 44.091 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.96 | 93  | 163361 | 39.939 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.09 | 162 | 108860 | 36.633 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.16 | 180 | 122655 | 36.830 | ng | 95     |
| 31) Naphthalene                | 8.24 | 128 | 392742 | 39.333 | ng | 99     |
| 32) Benzoic acid               | 7.99 | 122 | 41841  | 19.817 | ng | 96     |
| 33) 4-Chloroaniline            | 8.30 | 127 | 60444  | 14.222 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.35 | 225 | 71514  | 37.702 | ng | 97     |
| 35) Caprolactam                | 8.67 | 113 | 33022  | 32.549 | ng | # 83   |
| 36) 4-Chloro-3-methylphenol    | 8.78 | 107 | 114401 | 34.648 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.93 | 142 | 254845 | 38.641 | ng | 100    |
| 38) 1-Methylnaphthalene        | 8.93 | 142 | 254845 | 39.726 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 106790 | 39.456 | ng | 99     |

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 Sample : PB115071BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

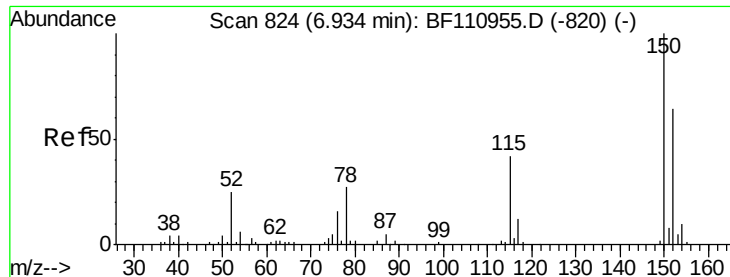
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Quant Time: Nov 27 06:32:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 27 03:04:49 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.07  | 237  | 123      | 10.483    | ng    | # 27     |
| 43) 2,4,6-Trichlorophenol      | 9.22  | 196  | 65688    | 40.636    | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.27  | 196  | 67995    | 39.948    | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.40  | 154  | 301180   | 37.969    | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.43  | 162  | 222398   | 38.669    | ng    | 99       |
| 48) 2-Nitroaniline             | 9.53  | 65   | 76104    | 42.305    | ng    | 95       |
| 49) Acenaphthylene             | 9.85  | 152  | 328580   | 40.177    | ng    | 98       |
| 50) Dimethylphthalate          | 9.69  | 163  | 268292   | 42.518    | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 45361    | 32.291    | ng    | 96       |
| 52) Acenaphthene               | 10.02 | 154  | 201937   | 38.517    | ng    | 98       |
| 53) 3-Nitroaniline             | 9.95  | 138  | 62549    | 38.203    | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 10.10 | 184  | 1968     | 7.498     | ng    | 91       |
| 55) Dibenzofuran               | 10.19 | 168  | 283921   | 37.120    | ng    | 100      |
| 56) 4-Nitrophenol              | 10.12 | 139  | 52931    | 59.312    | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.19 | 165  | 51958    | 28.508    | ng    | # 80     |
| 58) Fluorene                   | 10.53 | 166  | 223836   | 37.614    | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.31 | 232  | 51553    | 36.906    | ng    | # 92     |
| 60) Diethylphthalate           | 10.39 | 149  | 260105   | 39.972    | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.52 | 204  | 108656   | 34.908    | ng    | 96       |
| 62) 4-Nitroaniline             | 10.57 | 138  | 60959    | 39.988    | ng    | 93       |
| 63) Azobenzene                 | 10.68 | 77   | 215529   | 33.982    | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 1813     | 2.647     | ng    | 90       |
| 66) n-Nitrosodiphenylamine     | 10.64 | 169  | 195825   | 40.631    | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 11.01 | 248  | 60483    | 38.359    | ng    | 96       |
| 68) Hexachlorobenzene          | 11.09 | 284  | 62250    | 37.065    | ng    | 96       |
| 69) Atrazine                   | 11.16 | 200  | 63264    | Below Cal |       | 97       |
| 70) Pentachlorophenol          | 11.29 | 266  | 41847    | 62.628    | ng    | 96       |
| 71) Phenanthrene               | 11.50 | 178  | 311304   | 40.598    | ng    | 99       |
| 72) Anthracene                 | 11.56 | 178  | 326554   | 41.818    | ng    | 99       |
| 73) Carbazole                  | 11.72 | 167  | 284207   | 37.497    | ng    | 99       |
| 74) Di-n-butylphthalate        | 12.02 | 149  | 367116   | 41.426    | ng    | 99       |
| 75) Fluoranthene               | 12.70 | 202  | 306855   | 38.936    | ng    | 99       |
| 77) Benzidine                  | 12.82 | 184  | 245101   | 110.228   | ng    | 97       |
| 78) Pyrene                     | 12.93 | 202  | 301379   | 47.466    | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.52 | 149  | 141912   | 49.505    | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.12 | 228  | 213426   | 41.584    | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.08 | 252  | 76401    | 43.414    | ng    | 97       |
| 83) Chrysene                   | 14.16 | 228  | 199769   | 39.539    | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149  | 185031   | 48.441    | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.69 | 149  | 274622   | 45.546    | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.26 | 276  | 147978   | 40.803    | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.21 | 252  | 161496   | 42.217    | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.24 | 252  | 152013   | 38.607    | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.61 | 252  | 149596   | 42.012    | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.26 | 278  | 129692   | 44.144    | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.75 | 276  | 117659   | 41.536    | ng    | 99       |

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

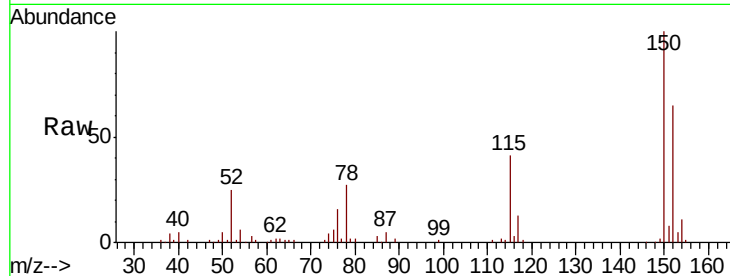




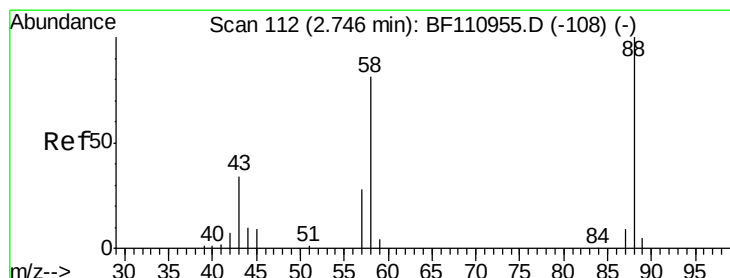
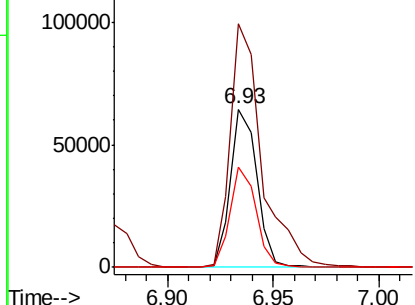
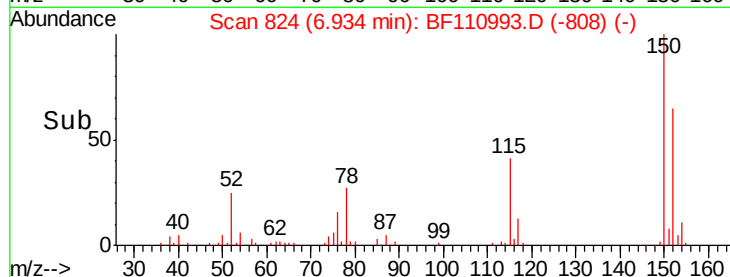
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion:152 Resp: 55959  
Ion Ratio Lower Upper  
152 100  
150 153.9 122.7 184.1  
115 63.0 49.1 73.7

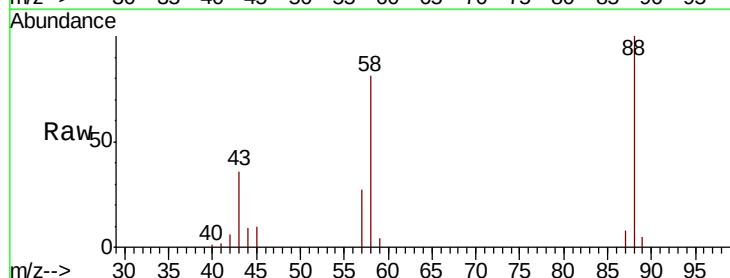


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E

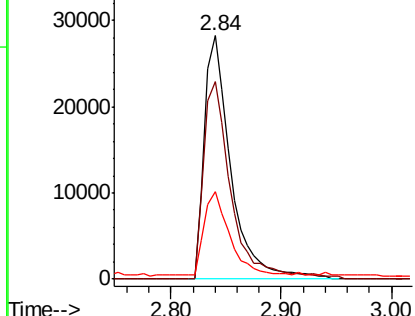
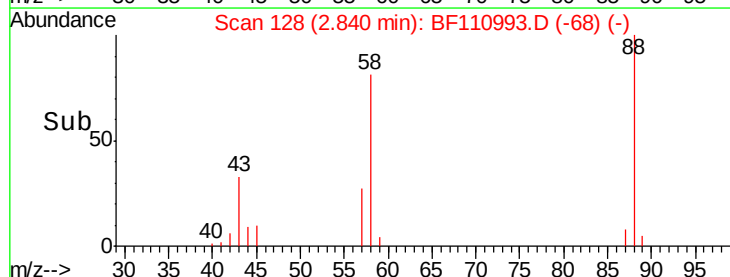


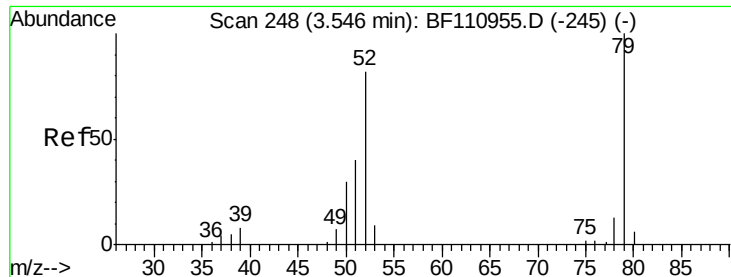
#2  
1,4-Dioxane  
Concen: 28.503 ng  
RT: 2.84 min Scan# 128  
Delta R.T. 0.05 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion: 88 Resp: 46080  
Ion Ratio Lower Upper  
88 100  
58 84.5 57.1 85.7  
43 33.3 24.1 36.1



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 35.428 ng

RT: 3.62 min Scan# 261

Delta R.T. -0.06 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

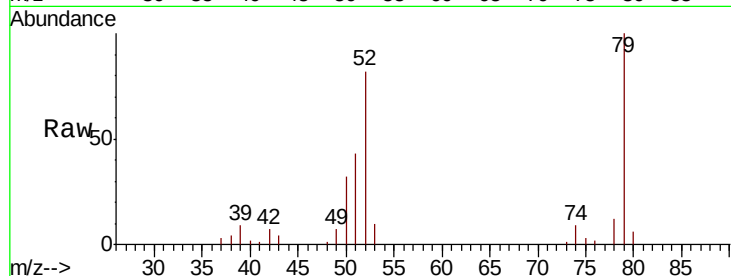
Tgt Ion: 79 Resp: 125418

Ion Ratio Lower Upper

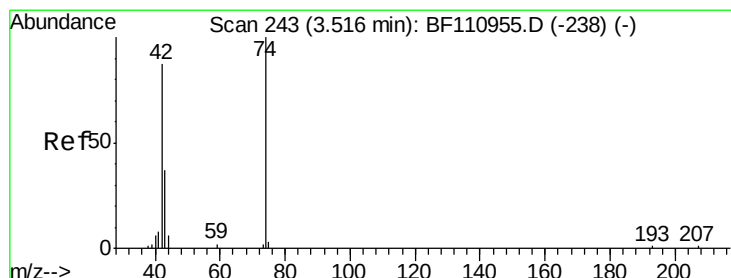
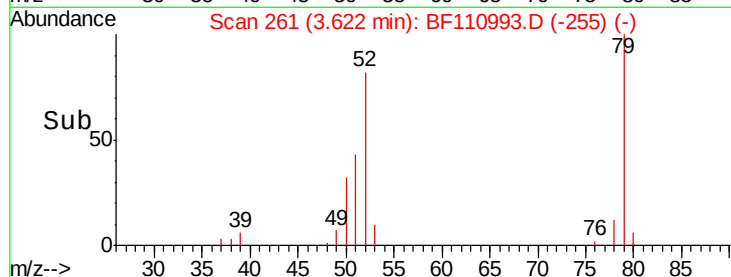
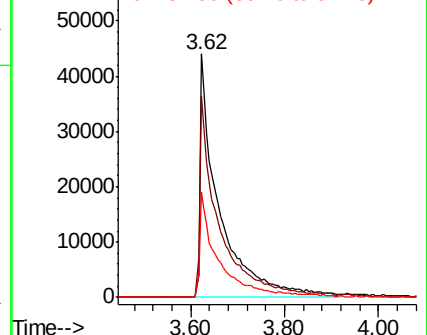
79 100

52 82.5 53.1 79.7#

51 43.1 27.4 41.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 40.302 ng

RT: 3.59 min Scan# 255

Delta R.T. 0.04 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

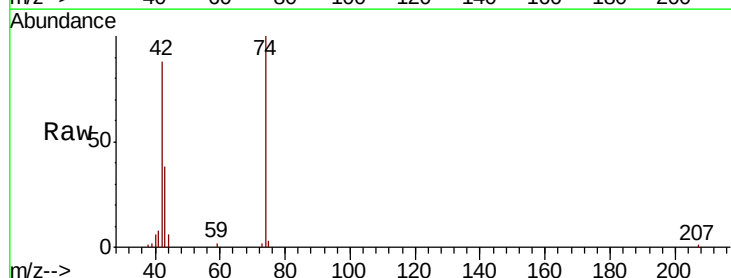
Tgt Ion: 42 Resp: 65284

Ion Ratio Lower Upper

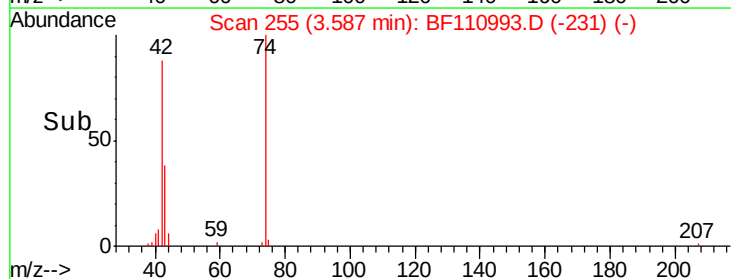
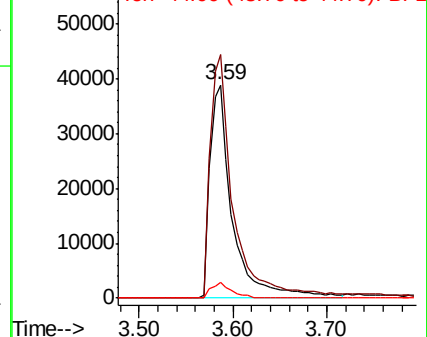
42 100

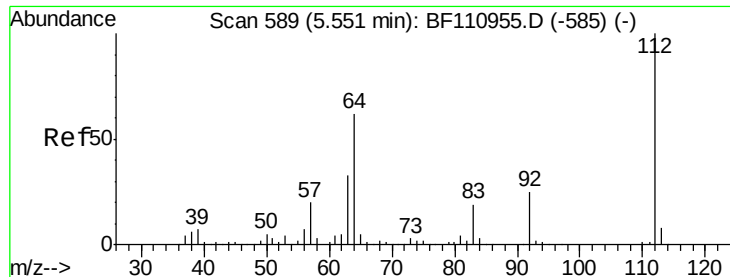
74 114.1 105.5 158.3

44 7.2 4.9 7.3



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: 79.995 ng

RT: 5.57 min Scan# 592

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

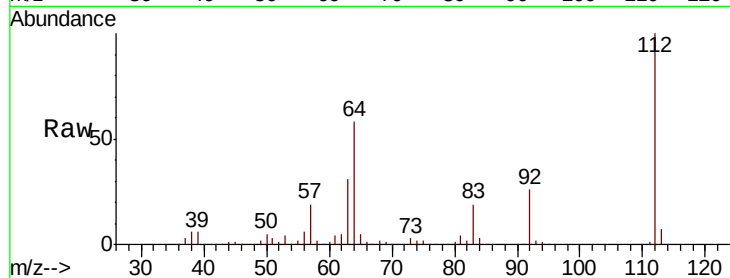
Instrument :

BNA\_F

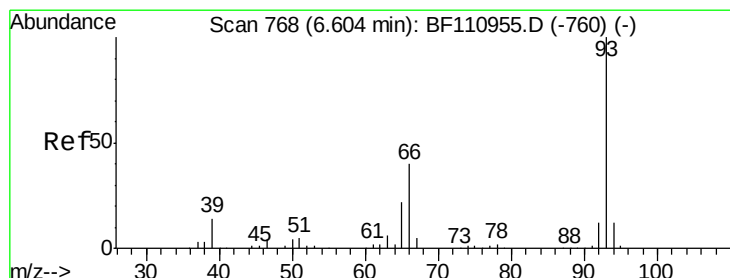
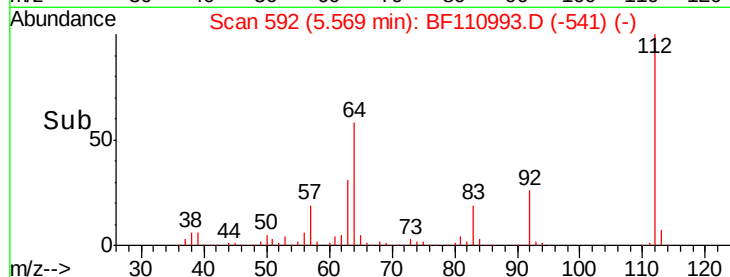
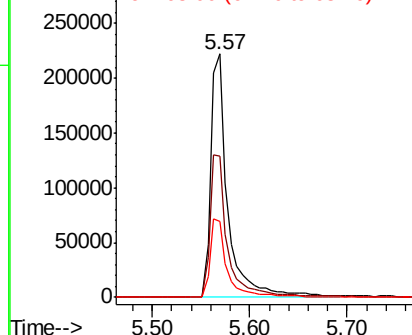
ClientSampleId :

PB115071BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 269938 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 57.8  | 44.1  | 66.1   |
| 63       | 31.2  | 23.7  | 35.5   |



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: 15.263 ng

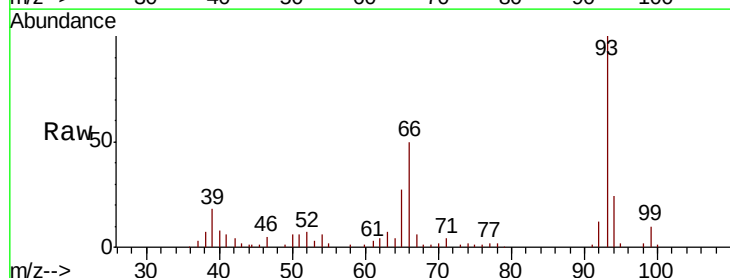
RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

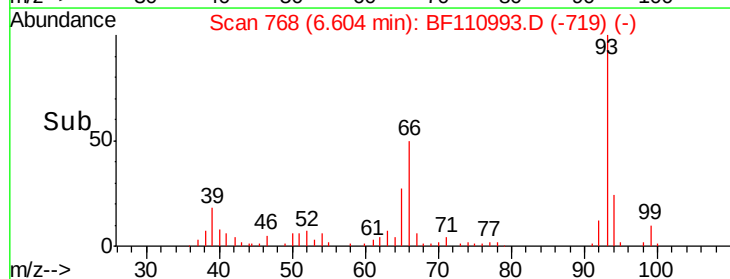
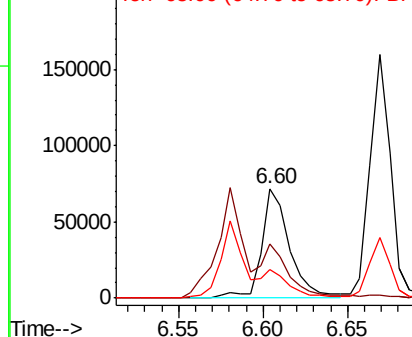
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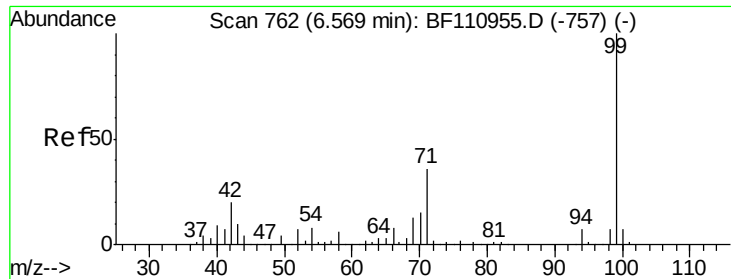
Acq: 27 Nov 2018 5:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 82972  |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 49.6  | 67.4  | 101.0# |
| 65       | 26.6  | 41.0  | 61.4#  |



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: 74.771 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

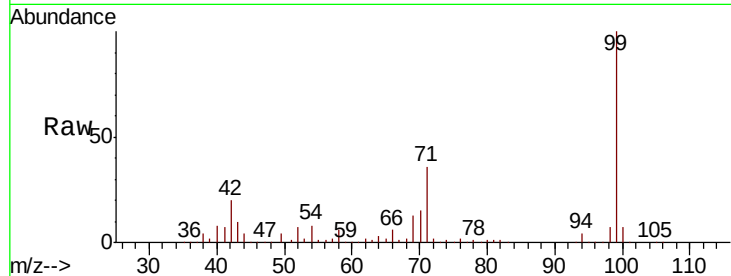
Tgt Ion: 99 Resp: 328804

Ion Ratio Lower Upper

99 100

42 20.1 15.8 23.6

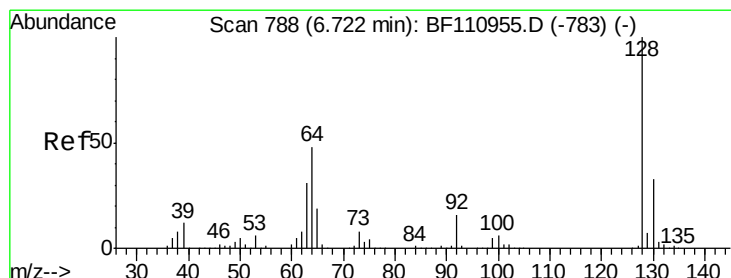
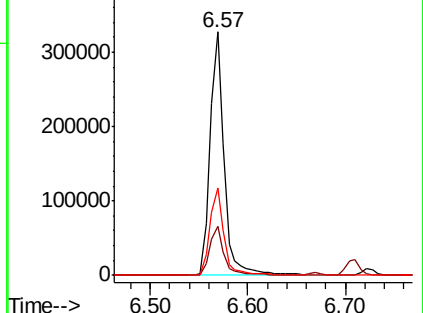
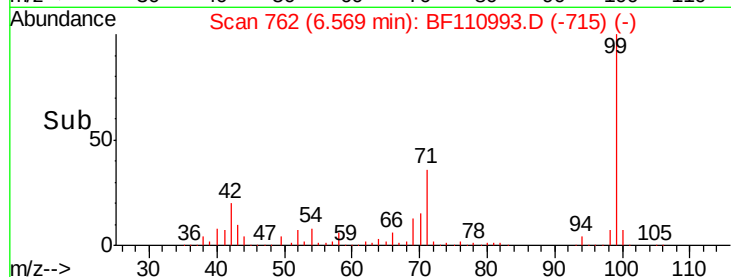
71 35.9 28.0 42.0



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



#8

2-Chlorophenol

Concen: 36.221 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

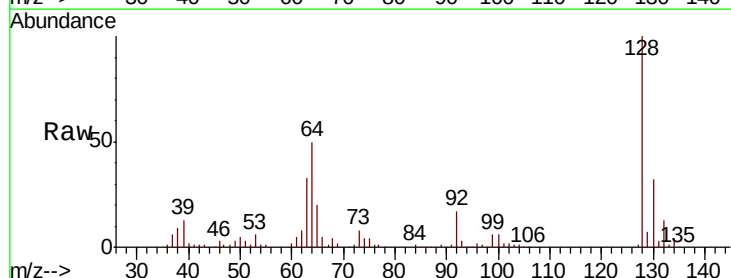
Tgt Ion: 128 Resp: 144851

Ion Ratio Lower Upper

128 100

130 31.7 13.1 53.1

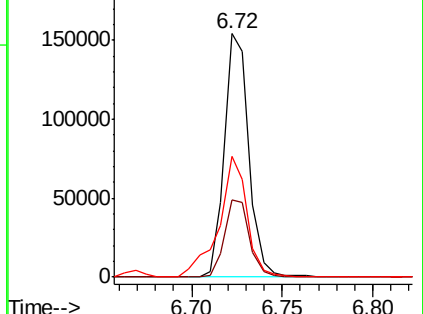
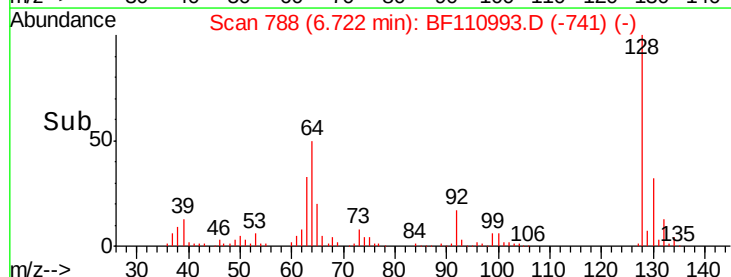
64 49.8 26.0 66.0



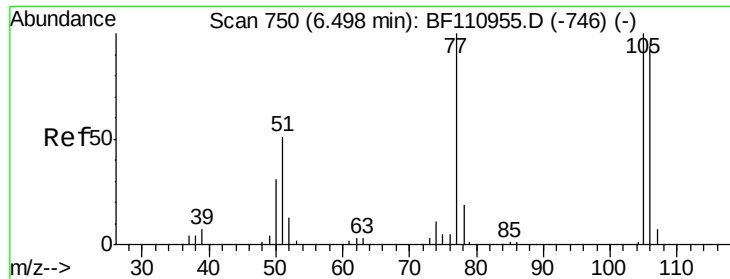
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 19.019 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

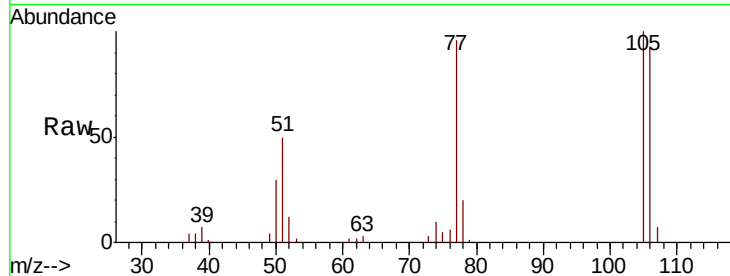
Tgt Ion: 77 Resp: 52309

Ion Ratio Lower Upper

77 100

105 104.6 78.6 118.6

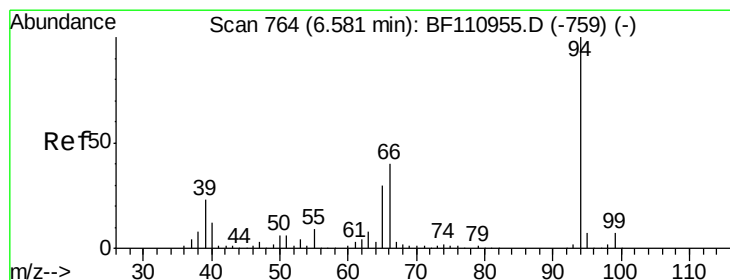
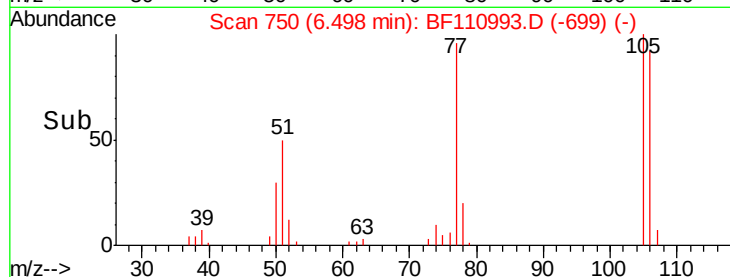
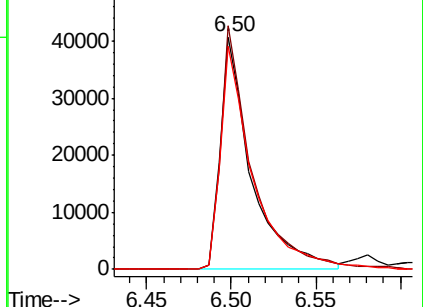
106 96.1 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 34.651 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

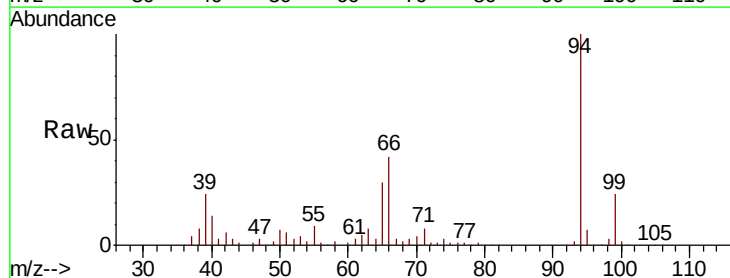
Tgt Ion: 94 Resp: 171605

Ion Ratio Lower Upper

94 100

65 29.6 25.3 65.3

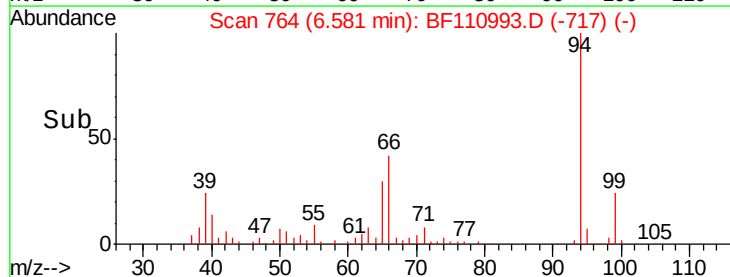
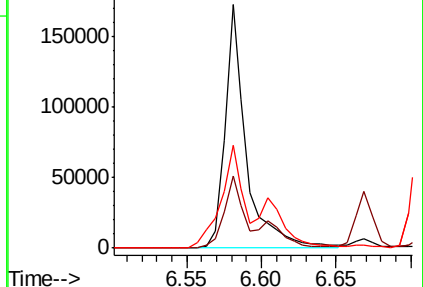
66 42.1 54.5 94.5#



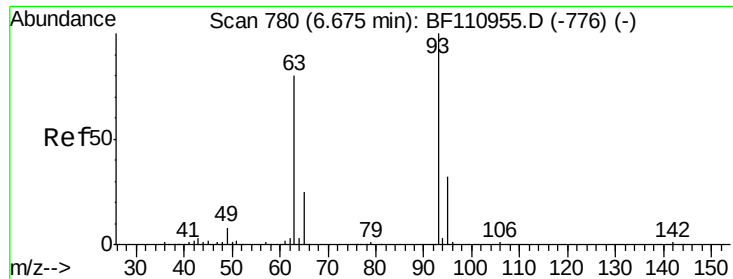
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



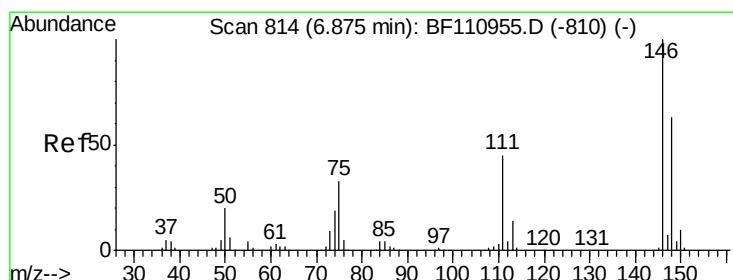
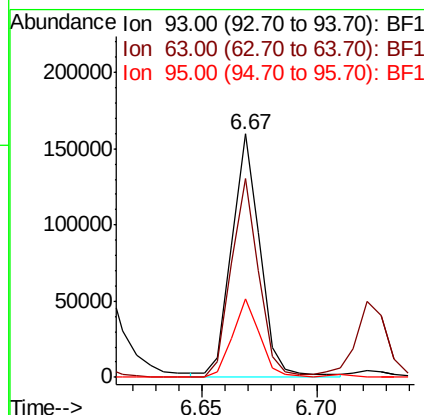
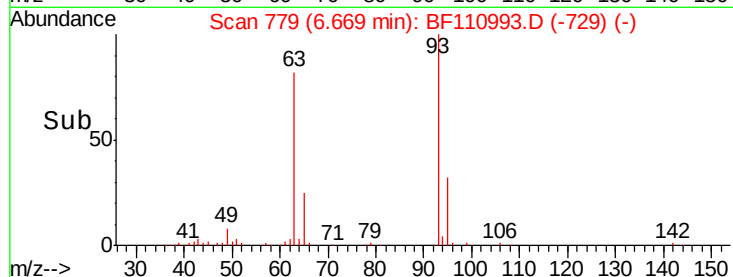
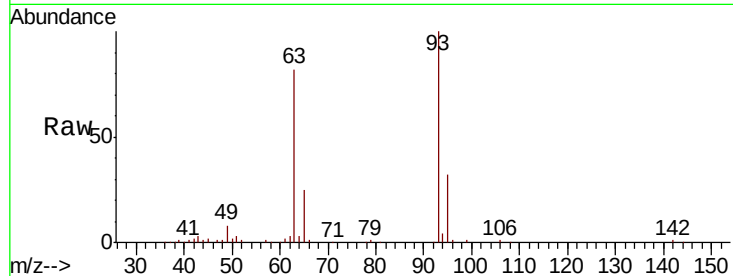




#11  
bis(2-Chloroethyl)ether  
Concen: 37.068 ng  
RT: 6.67 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

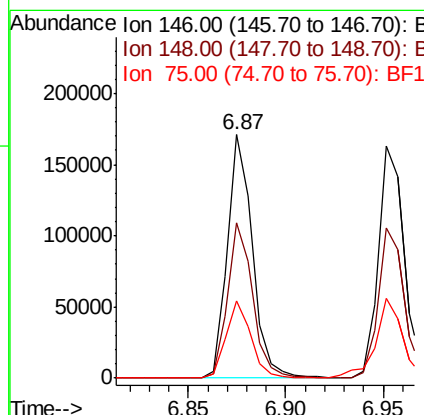
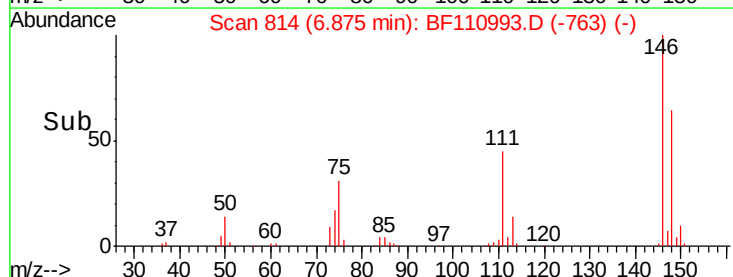
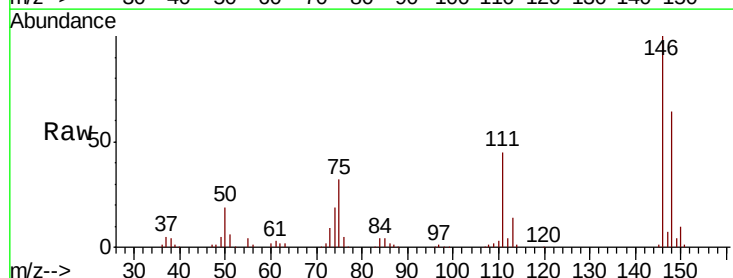
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

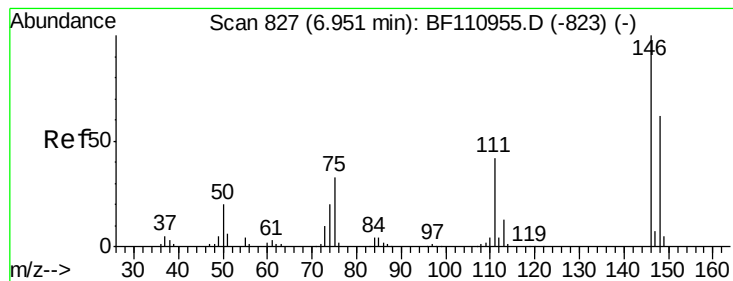
Tgt Ion: 93 Resp: 138300  
Ion Ratio Lower Upper  
93 100  
63 81.7 53.4 93.4  
95 32.3 12.1 52.1



#12  
1,3-Dichlorobenzene  
Concen: 34.888 ng  
RT: 6.87 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion: 146 Resp: 153276  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.4 75.6  
75 31.5 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 34.357 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

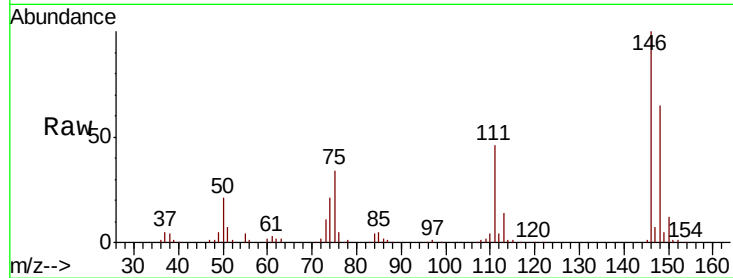
Tgt Ion:146 Resp: 155222

Ion Ratio Lower Upper

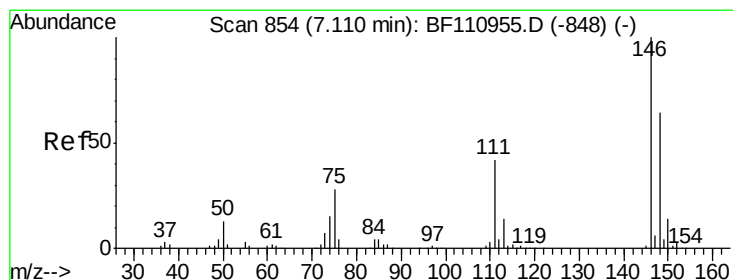
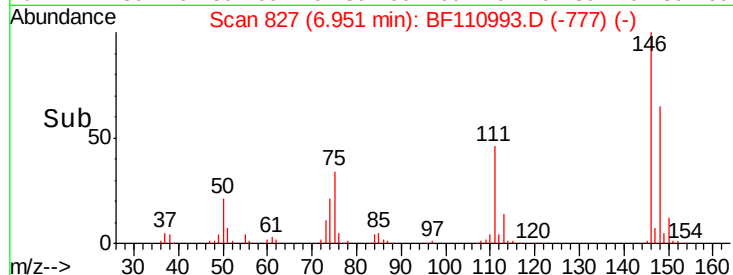
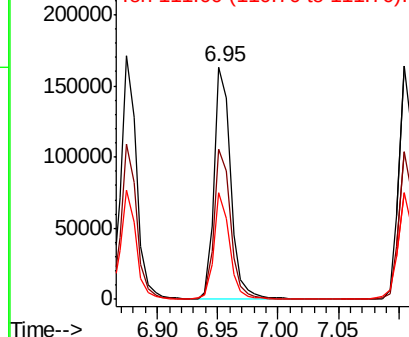
146 100

148 64.5 50.3 75.5

111 45.8 32.7 49.1



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.504 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

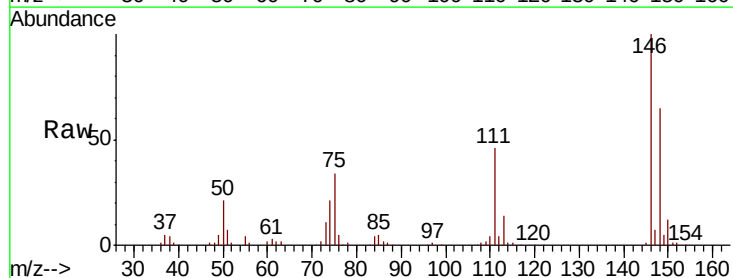
Tgt Ion:146 Resp: 155222

Ion Ratio Lower Upper

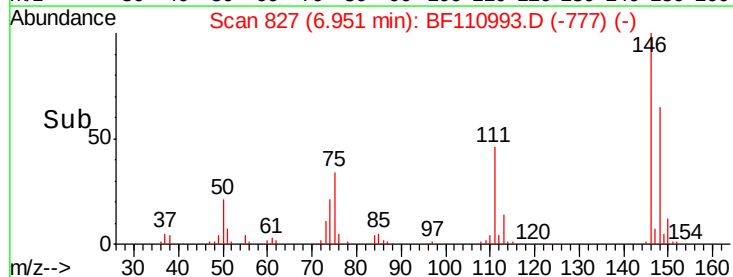
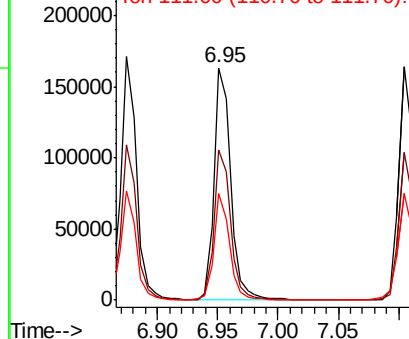
146 100

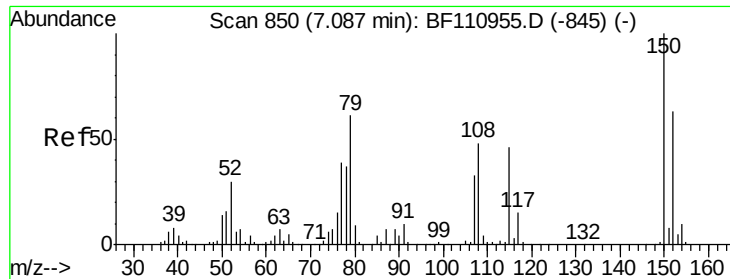
148 64.5 51.1 76.7

111 45.8 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

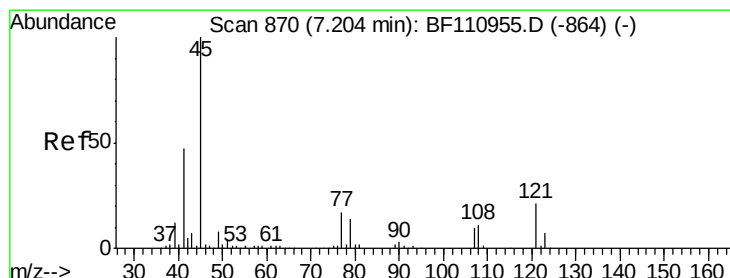
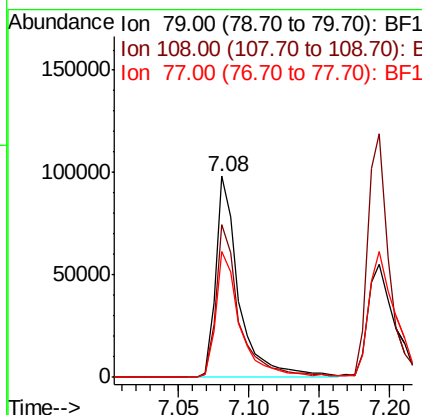
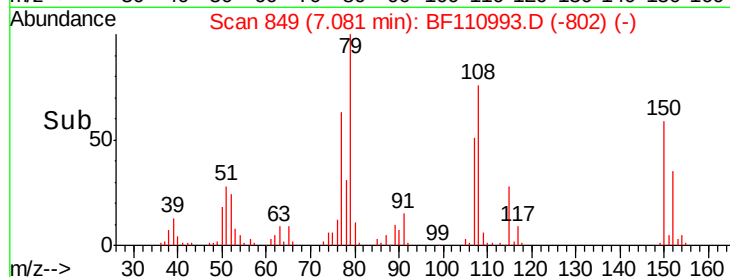
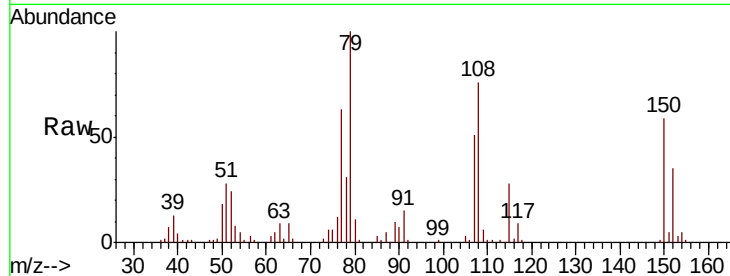




#15  
Benzyl Alcohol  
Concen: 33.286 ng  
RT: 7.08 min Scan# 849  
Delta R.T. -0.02 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

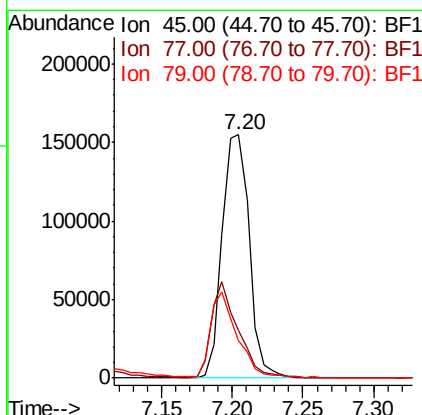
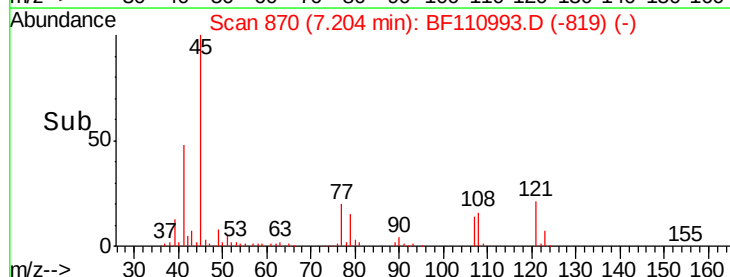
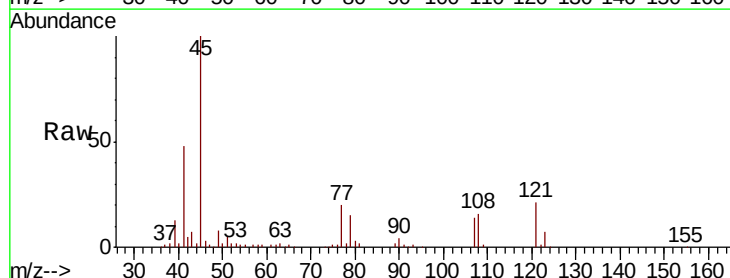
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

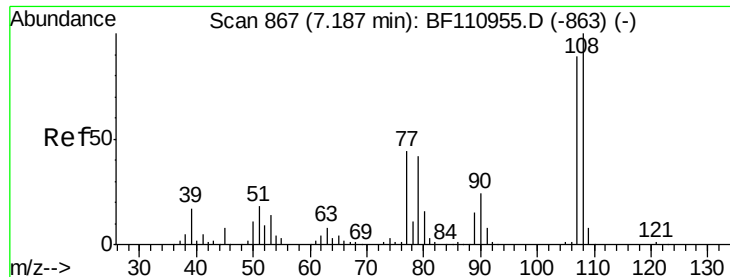
Tgt Ion: 79 Resp: 112490  
Ion Ratio Lower Upper  
79 100  
108 75.9 56.3 84.5  
77 62.9 52.9 79.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 34.905 ng  
RT: 7.20 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion: 45 Resp: 207258  
Ion Ratio Lower Upper  
45 100  
77 19.6 10.0 50.0  
79 15.4 6.1 46.1





#17

2-Methylphenol

Concen: 36.305 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

Tgt Ion:107 Resp: 115438

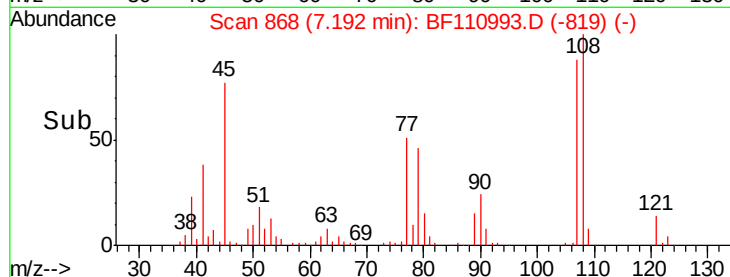
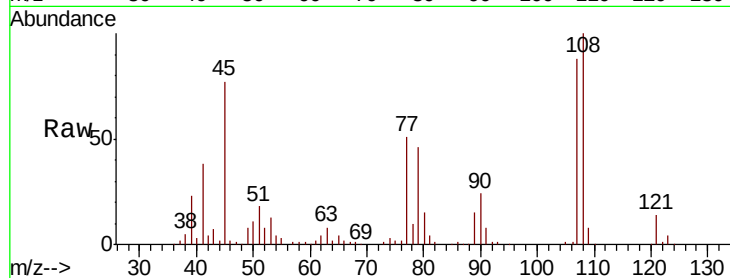
Ion Ratio Lower Upper

107 100

108 114.2 92.6 138.8

77 58.7 59.4 89.2#

79 52.9 54.0 81.0#



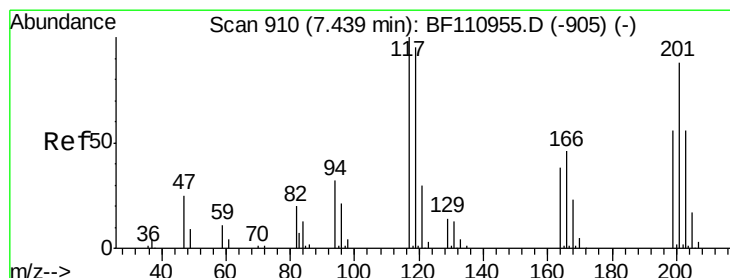
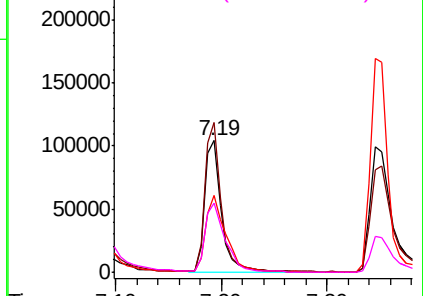
Abundance

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: 26.720 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

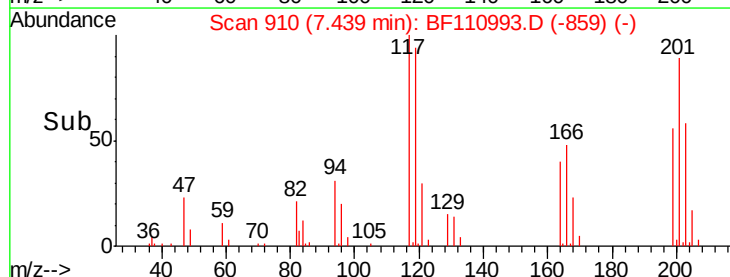
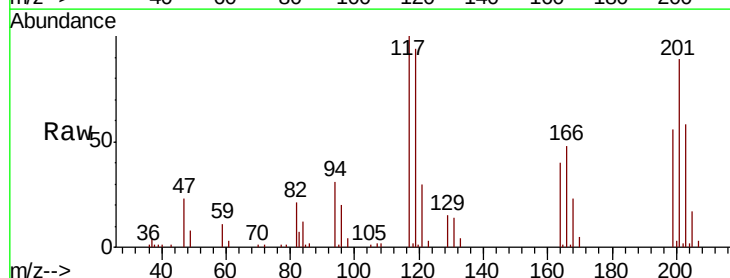
Tgt Ion:117 Resp: 44405

Ion Ratio Lower Upper

117 100

119 93.5 75.0 112.6

201 89.5 79.2 118.8

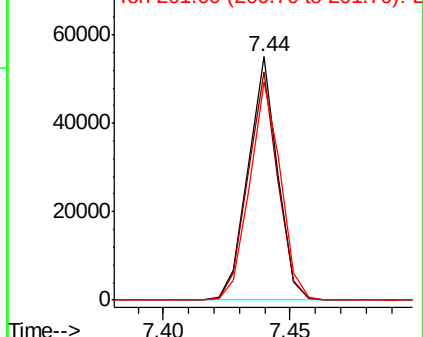


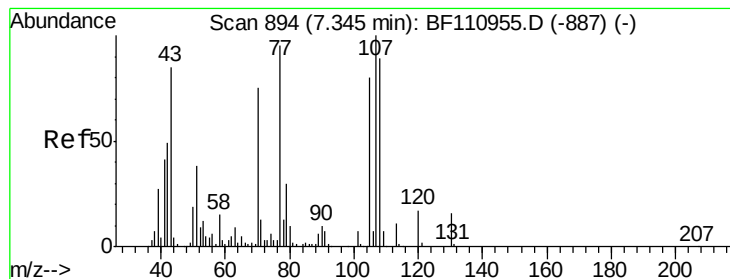
Abundance

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: 34.923 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

Tgt Ion: 70 Resp: 100037

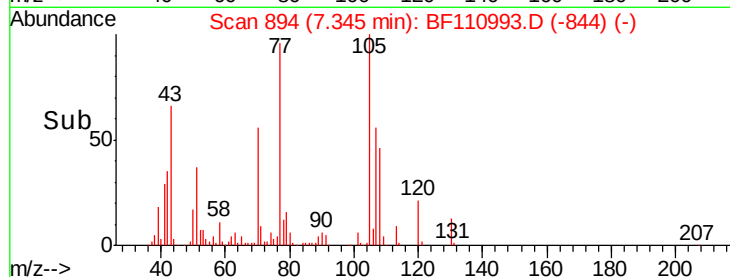
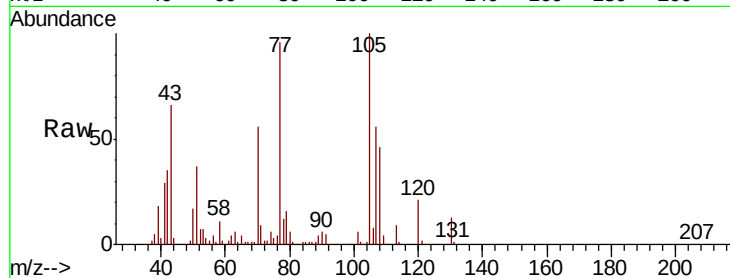
Ion Ratio Lower Upper

70 100

42 63.2 47.4 71.2

101 10.5 7.3 10.9

130 22.8 16.2 24.2

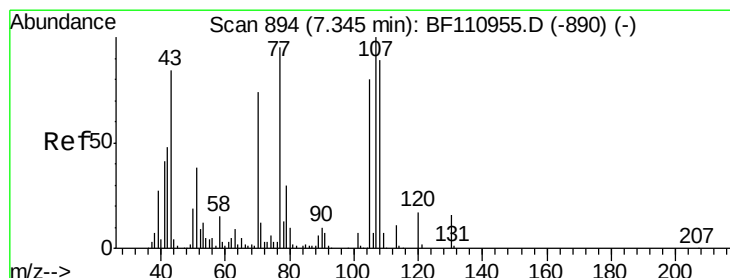
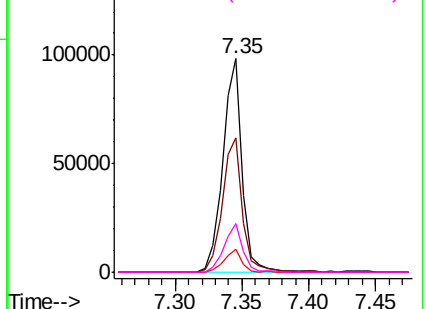


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 35.323 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Tgt Ion: 107 Resp: 149304

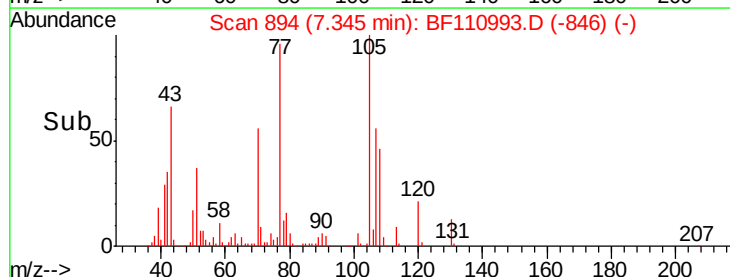
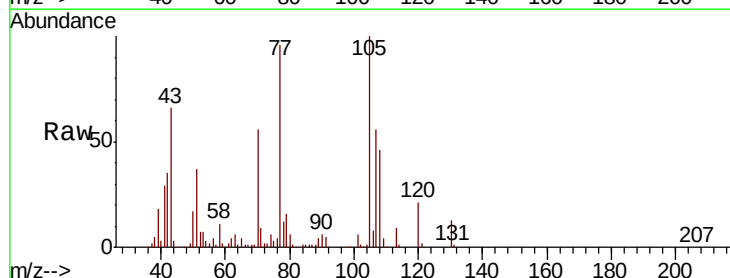
Ion Ratio Lower Upper

107 100

108 82.5 71.4 111.4

77 171.1 47.3 87.3#

79 28.7 10.9 50.9

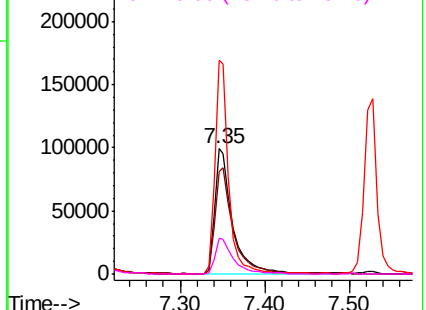


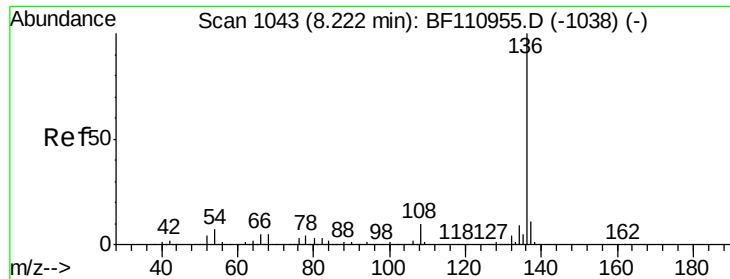
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

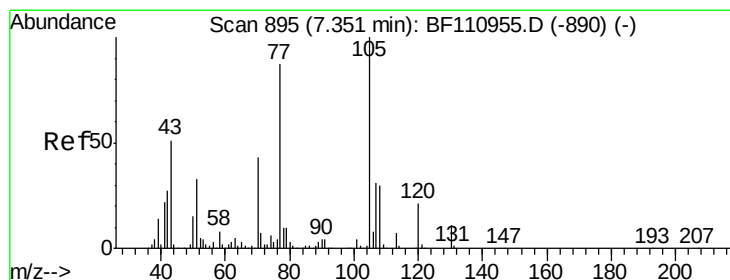
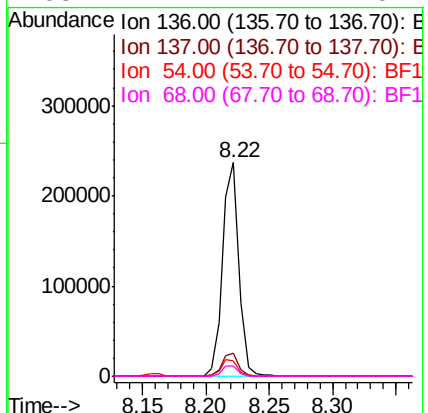
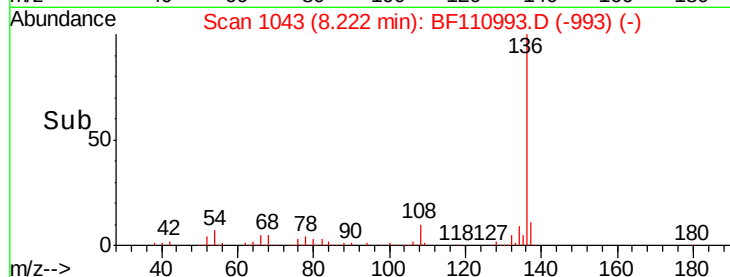
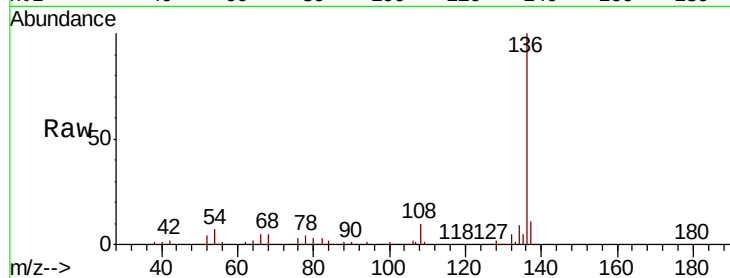




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

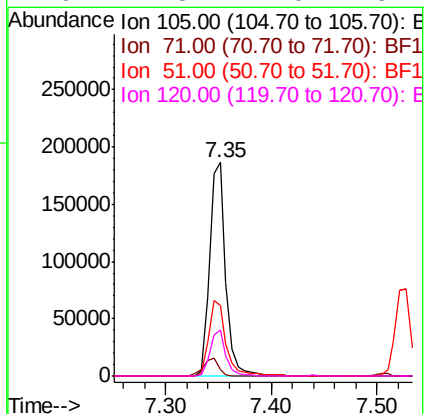
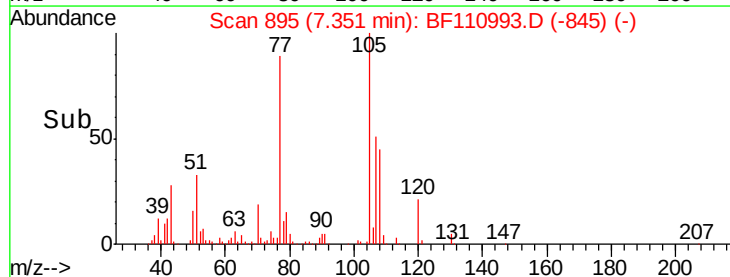
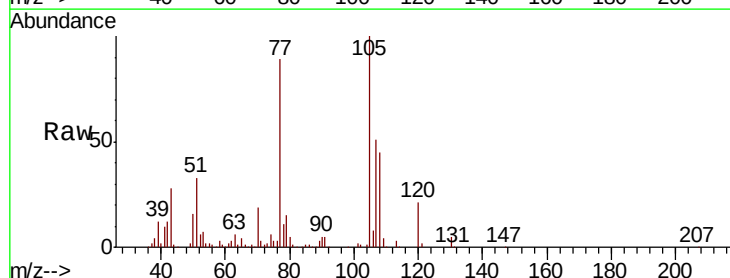
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

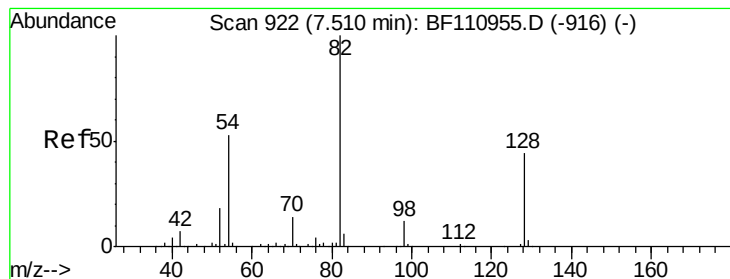
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 213013 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.8   | 13.2   |
| 54       | 7.3   | 5.4   | 8.2    |
| 68       | 4.7   | 4.2   | 6.2    |



#22  
Acetophenone  
Concen: 40.004 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 199738 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.2   | 5.2   | 7.8#   |
| 51       | 32.8  | 21.8  | 32.8#  |
| 120      | 21.3  | 17.0  | 25.4   |





#23

Nitrobenzene-d5

Concen: 78.632 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

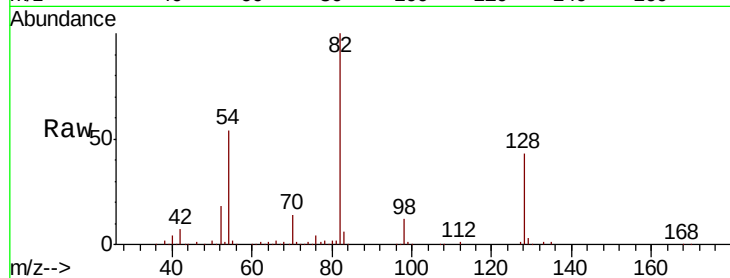
Tgt Ion: 82 Resp: 292670

Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.2

54 53.9 38.6 58.0

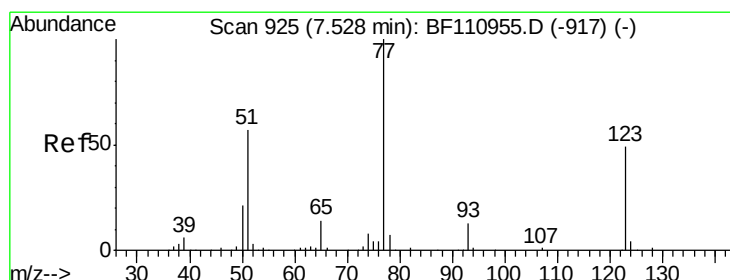
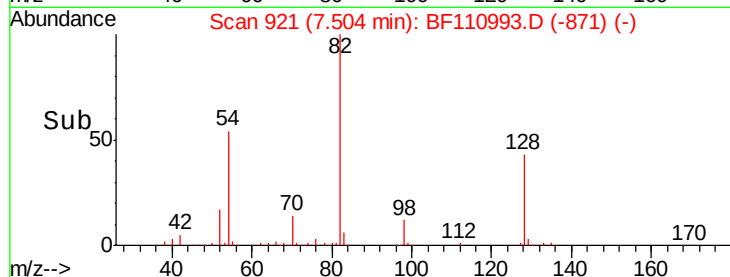
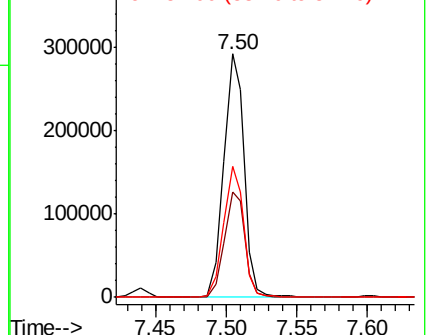


Abundance

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: 36.731 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

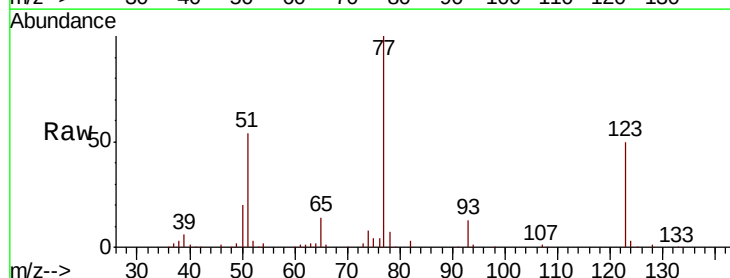
Tgt Ion: 77 Resp: 142171

Ion Ratio Lower Upper

77 100

123 50.2 35.7 53.5

65 14.1 10.7 16.1

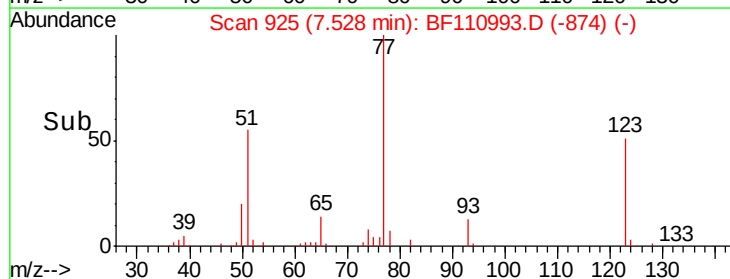
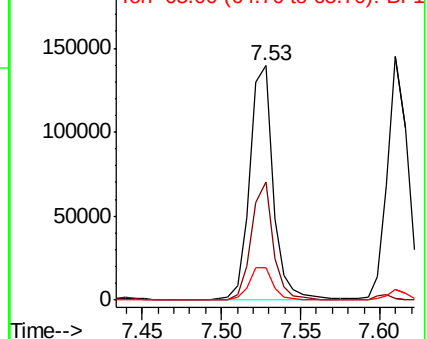


Abundance

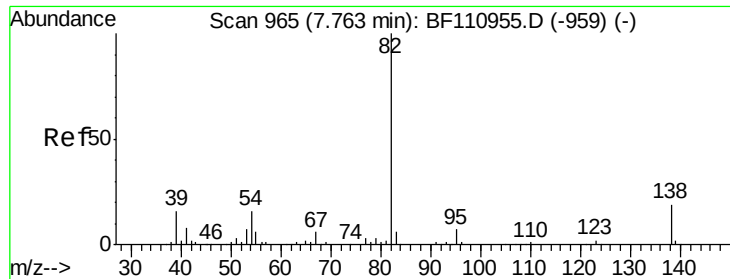
Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



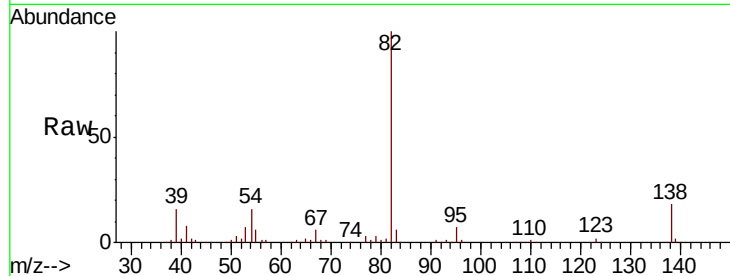




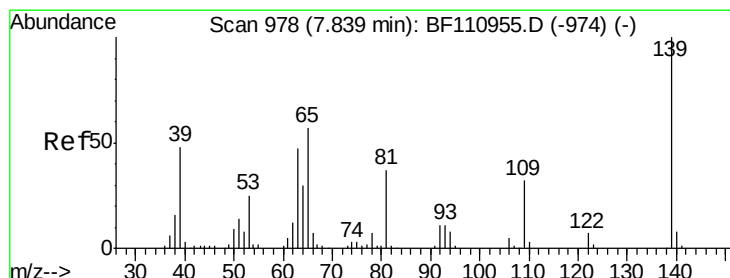
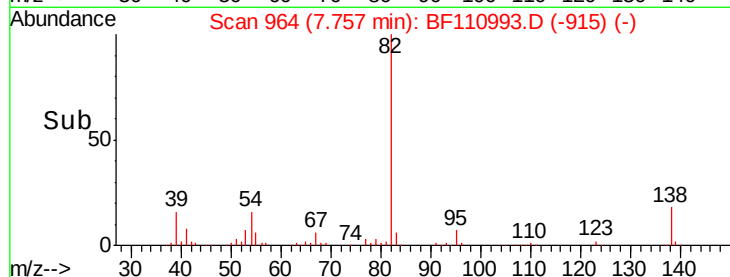
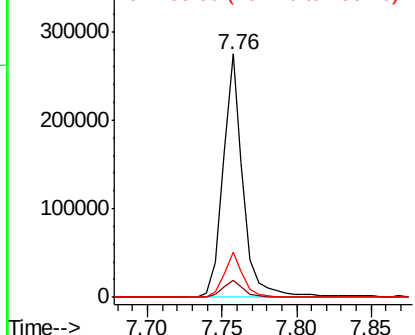
#25  
Isophorone  
Concen: 42.590 ng  
RT: 7.76 min Scan# 964  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion: 82 Resp: 260028  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.7 8.5  
138 18.4 13.2 19.8

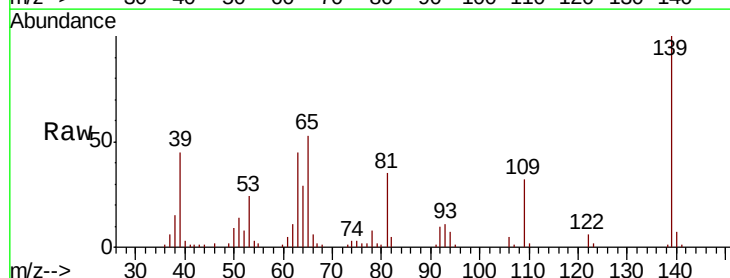


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

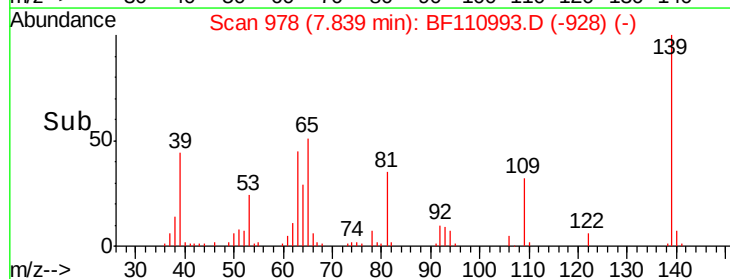
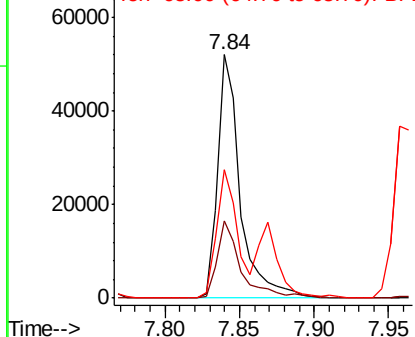


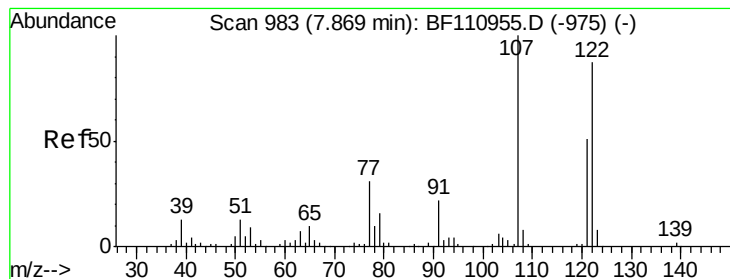
#26  
2-Nitrophenol  
Concen: 29.300 ng  
RT: 7.84 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion: 139 Resp: 55097  
Ion Ratio Lower Upper  
139 100  
109 31.9 25.0 37.6  
65 52.7 44.0 66.0



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





#27

2,4-Dimethylphenol

Concen: 44.091 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

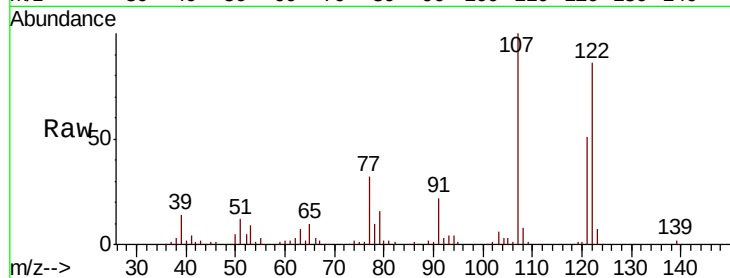
Tgt Ion:122 Resp: 125210

Ion Ratio Lower Upper

122 100

107 116.2 92.5 138.7

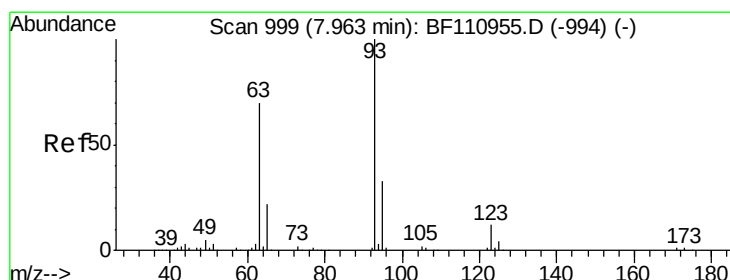
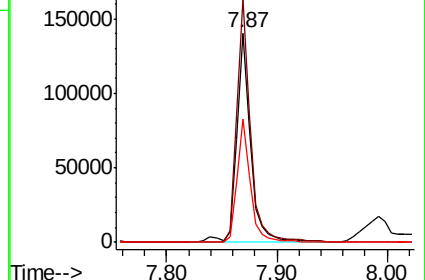
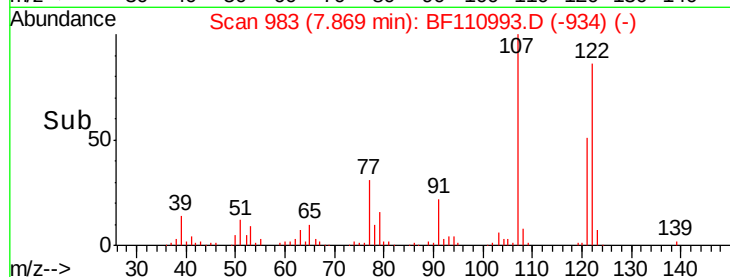
121 59.0 45.8 68.8



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: 39.939 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

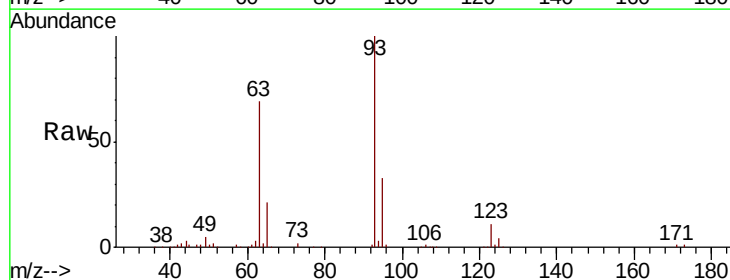
Tgt Ion: 93 Resp: 163361

Ion Ratio Lower Upper

93 100

95 33.2 26.4 39.6

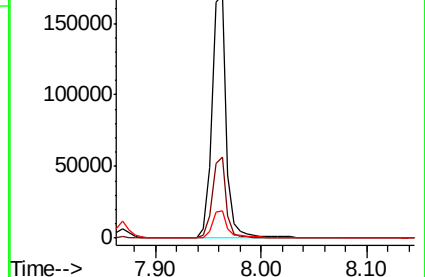
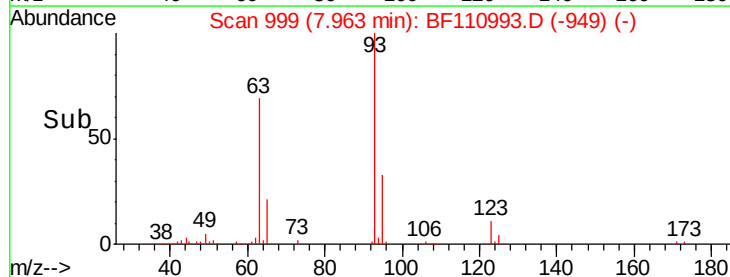
123 11.4 9.0 13.6

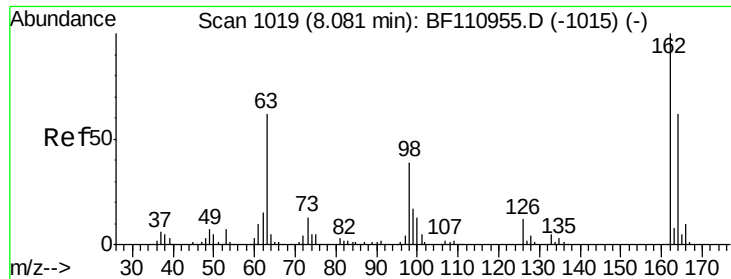


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

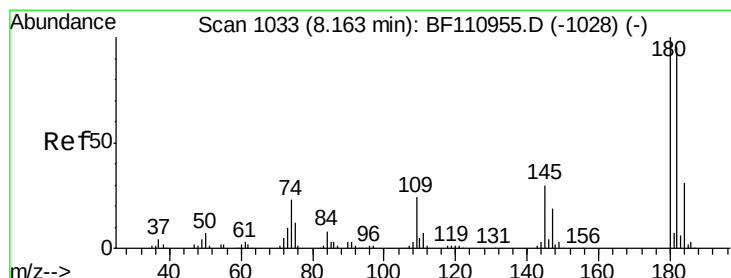
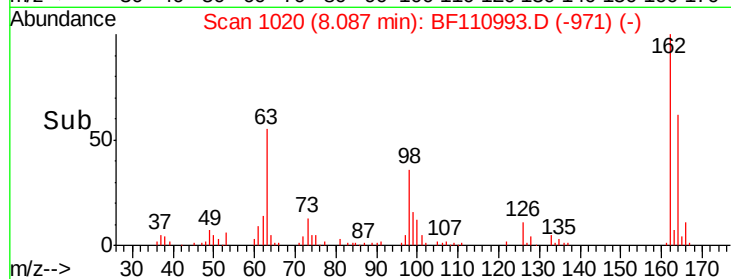
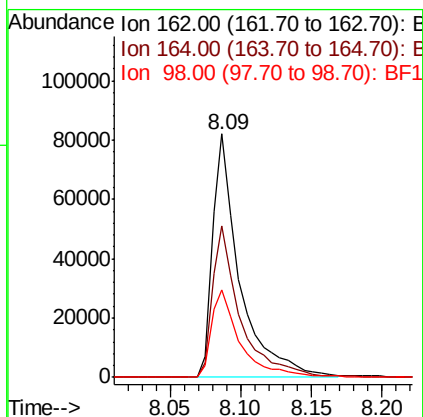
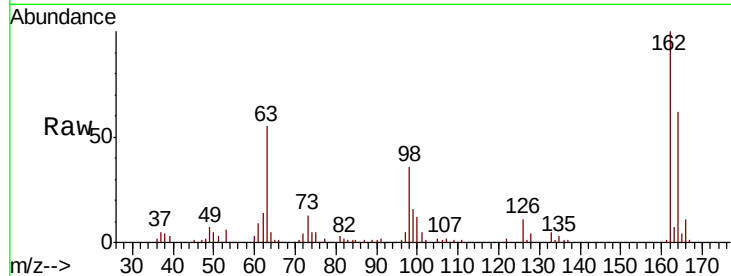




#29  
 2,4-Dichlorophenol  
 Concen: 36.633 ng  
 RT: 8.09 min Scan# 1020  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

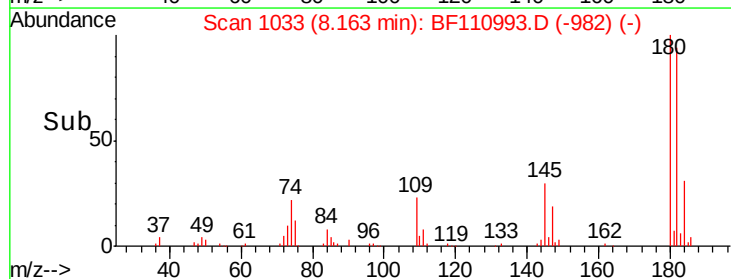
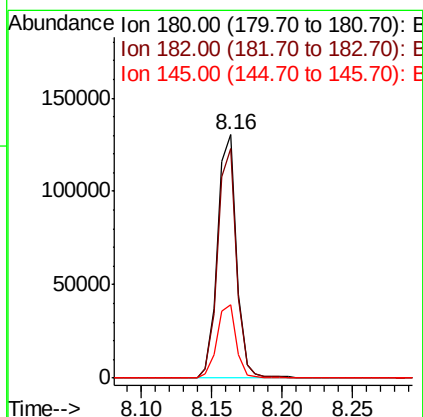
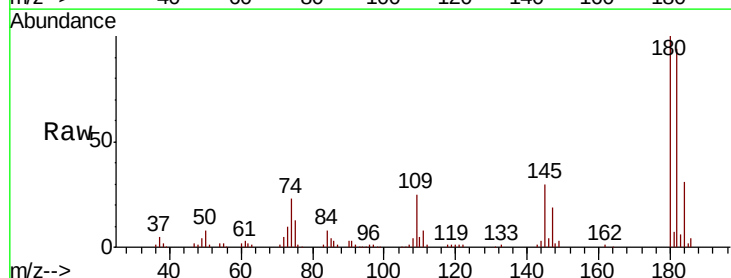
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

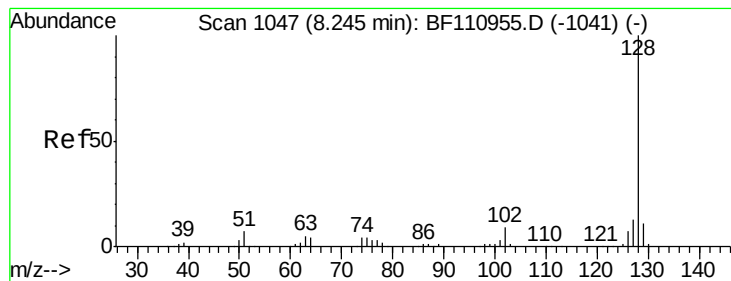
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.5  | 44.6  | 84.6  |
| 98      | 36.1  | 17.4  | 57.4  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.830 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 80.3  | 120.5 |
| 145     | 30.1  | 25.4  | 38.0  |





#31

Naphthalene

Concen: 39.333 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

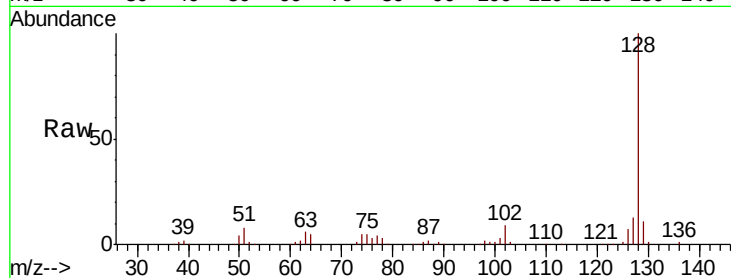
Tgt Ion:128 Resp: 392742

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

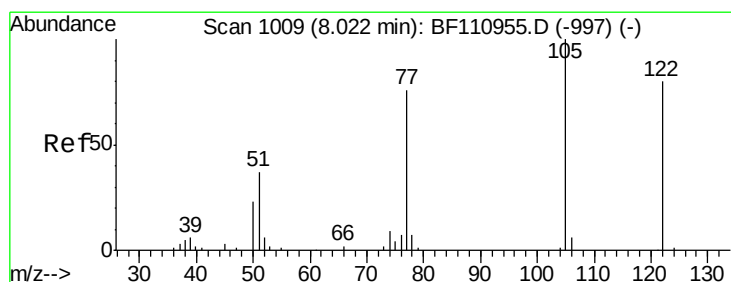
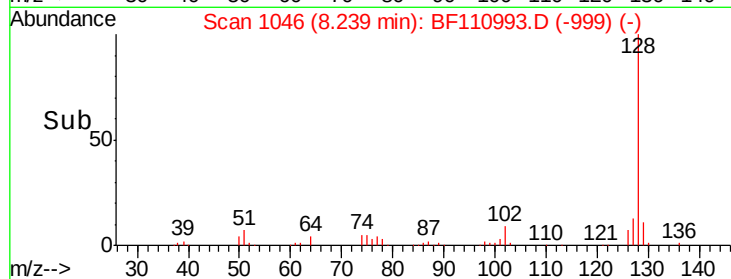
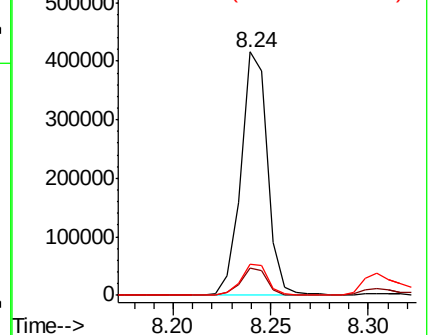
127 12.7 10.8 16.2



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: 19.817 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

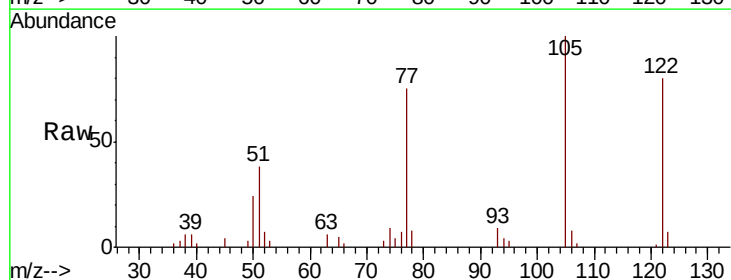
Tgt Ion:122 Resp: 41841

Ion Ratio Lower Upper

122 100

105 125.3 109.0 149.0

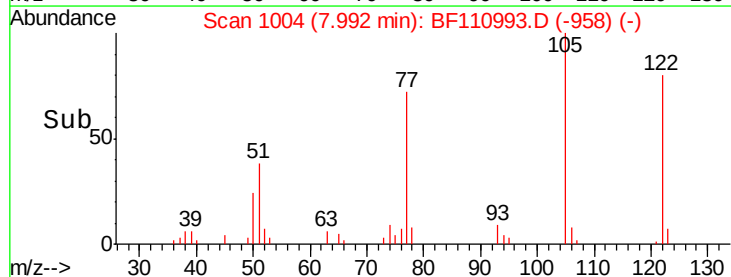
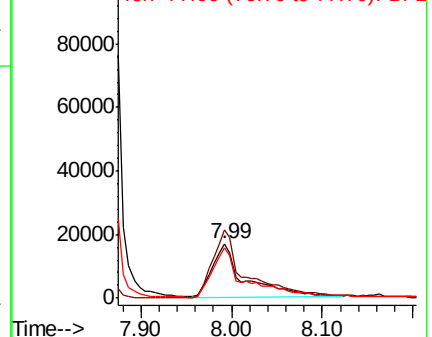
77 93.4 79.0 119.0

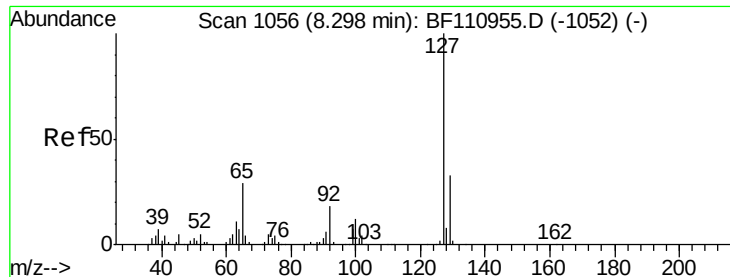


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

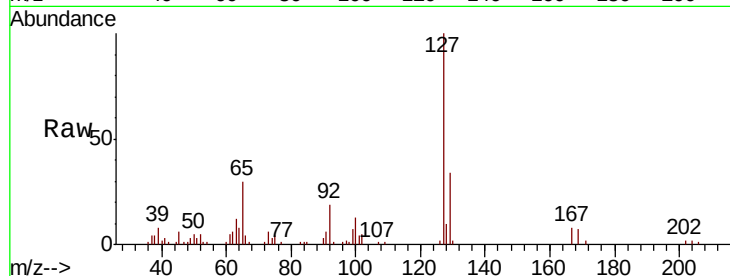




#33  
4-Chloroaniline  
Concen: 14.222 ng  
RT: 8.30 min Scan# 1057  
Delta R.T. -0.02 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 60444 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.5  | 26.0  | 39.0  |
| 65       | 30.1  | 25.1  | 37.7  |
| 92       | 19.4  | 15.0  | 22.6  |



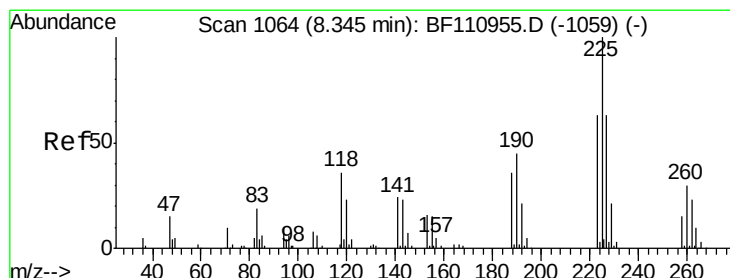
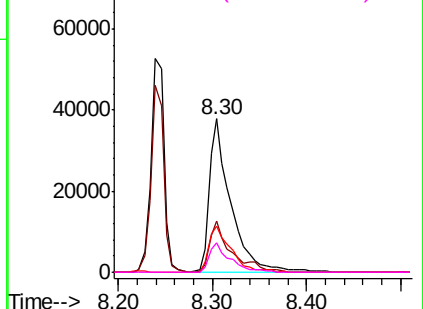
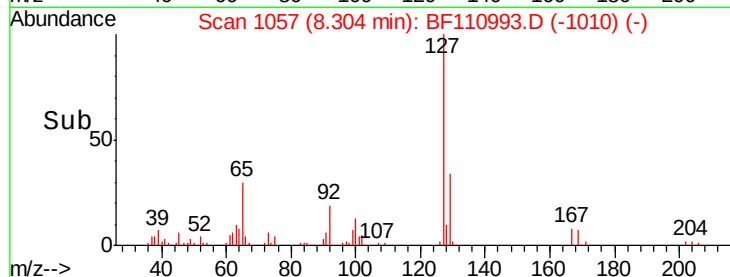
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

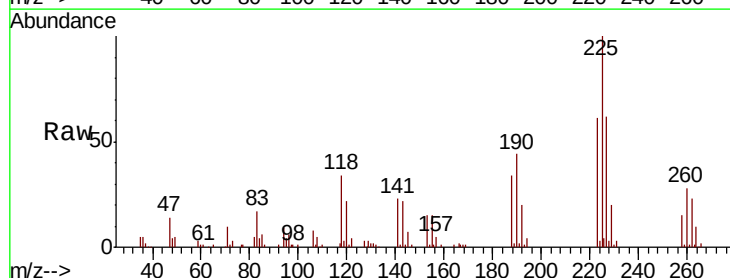
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 37.702 ng  
RT: 8.35 min Scan# 1064  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 71514 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.1  | 51.4  | 77.2  |
| 227      | 61.6  | 51.0  | 76.6  |

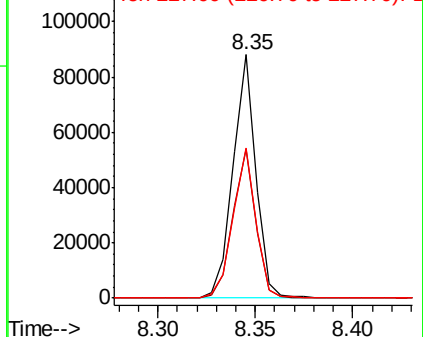
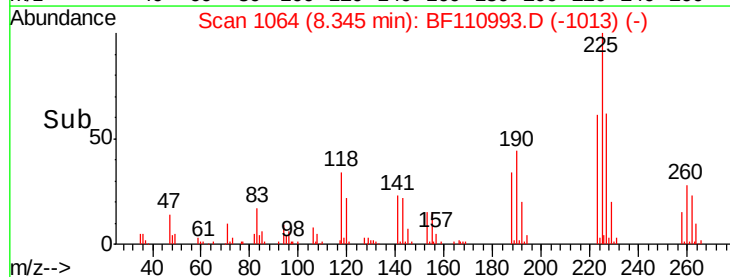


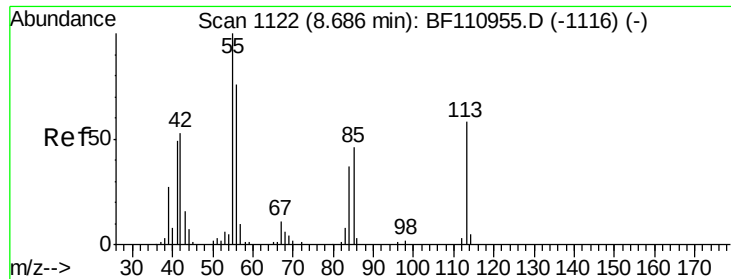
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.549 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.03 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

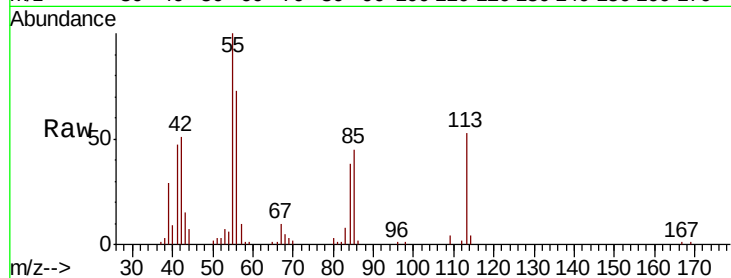
Tgt Ion:113 Resp: 33022

Ion Ratio Lower Upper

113 100

55 189.9 142.8 182.8#

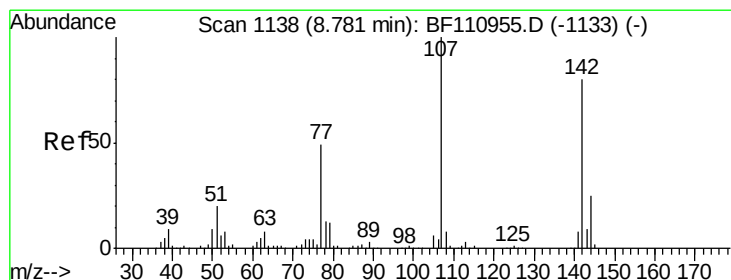
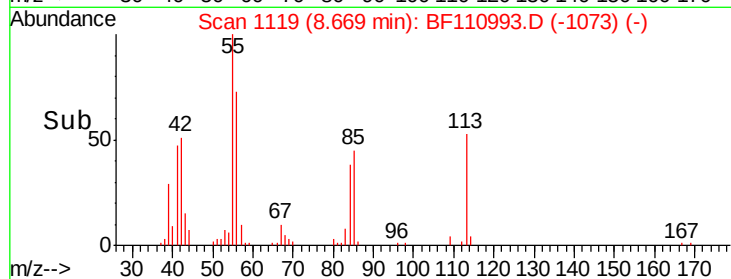
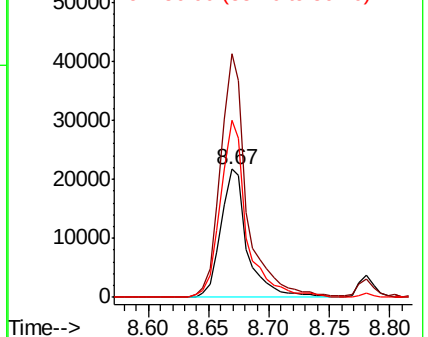
56 138.3 105.0 145.0



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: 34.648 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

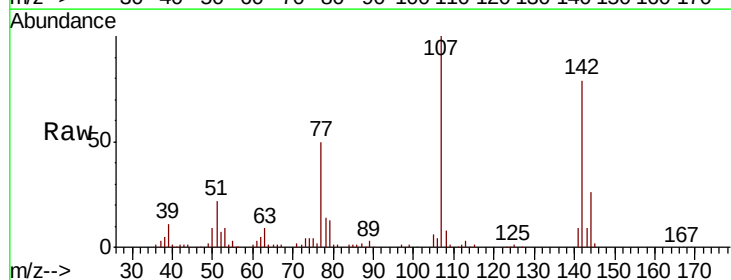
Tgt Ion:107 Resp: 114401

Ion Ratio Lower Upper

107 100

144 26.0 20.0 30.0

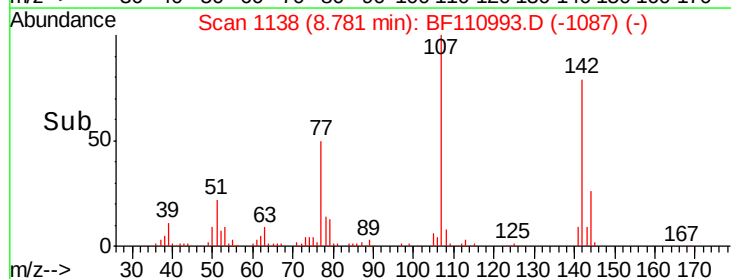
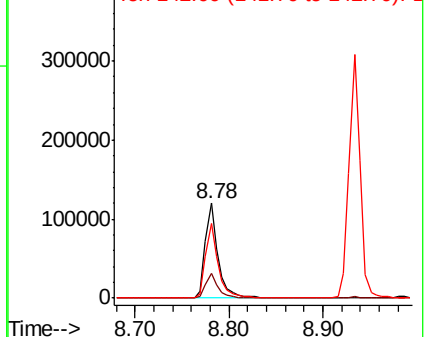
142 78.7 59.7 89.5

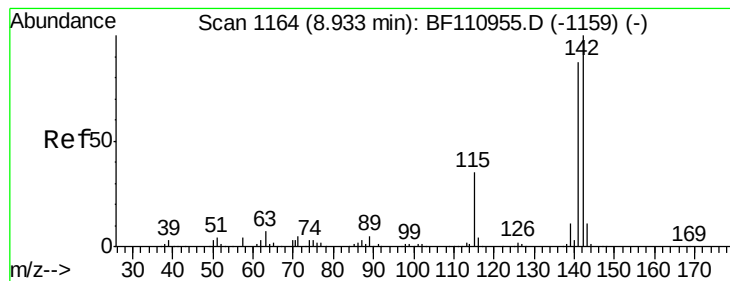


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

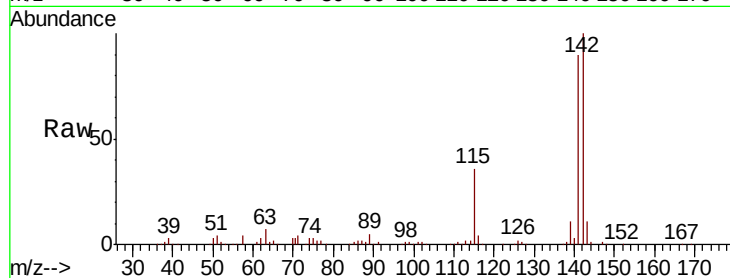




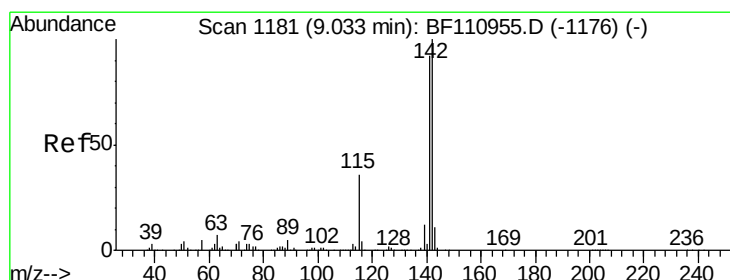
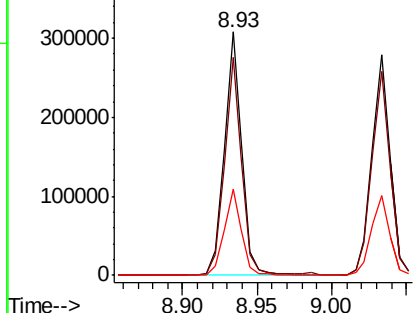
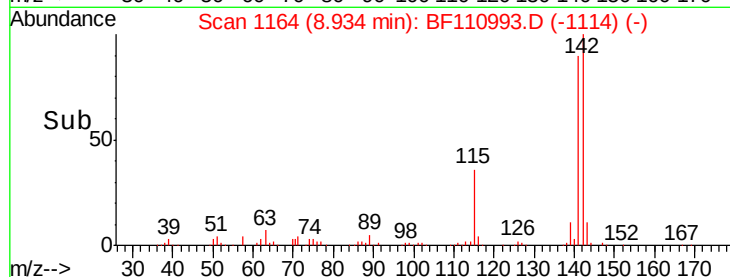
#37  
 2-Methylnaphthalene  
 Concen: 38.641 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Tgt Ion:142 Resp: 254845  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 71.4 107.2  
 115 35.5 28.7 43.1

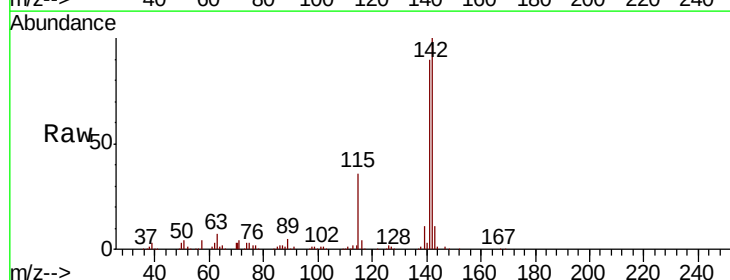


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

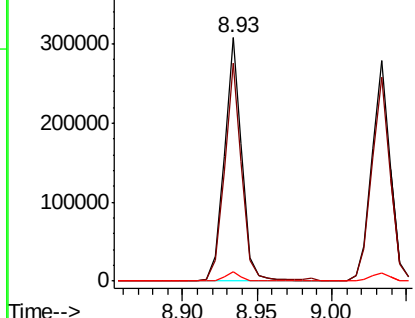
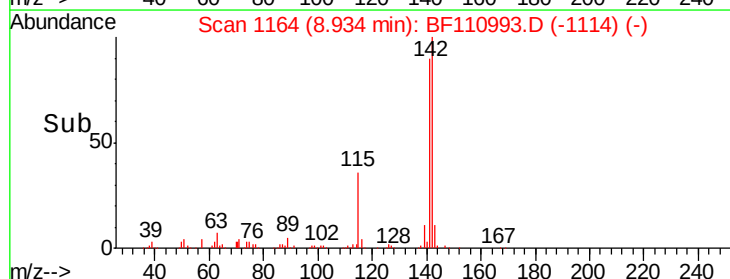


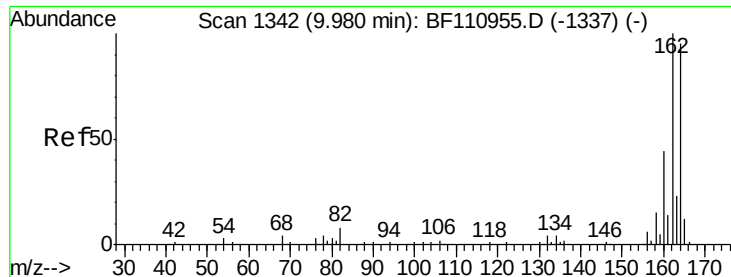
#38  
 1-Methylnaphthalene  
 Concen: 39.726 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Tgt Ion:142 Resp: 254845  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 74.2 111.4  
 116 3.6 2.6 4.0



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: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

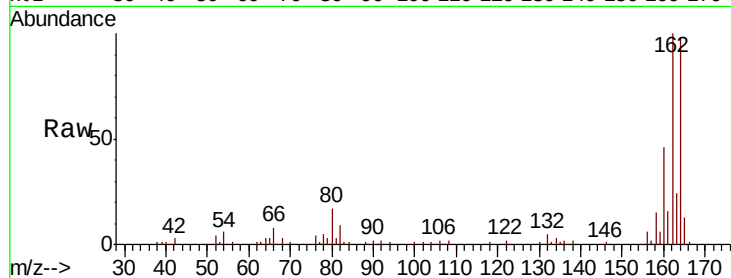
Tgt Ion:164 Resp: 86039

Ion Ratio Lower Upper

164 100

162 101.7 83.0 124.6

160 46.4 37.0 55.6

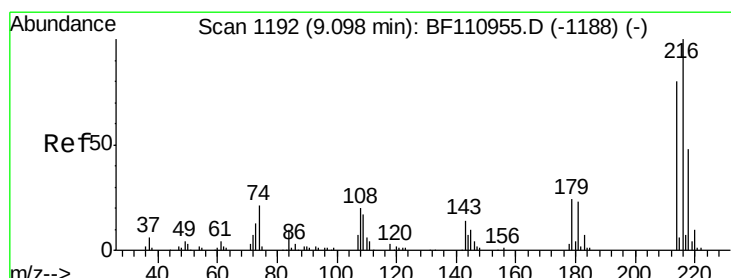
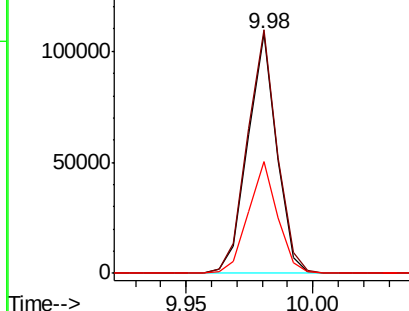
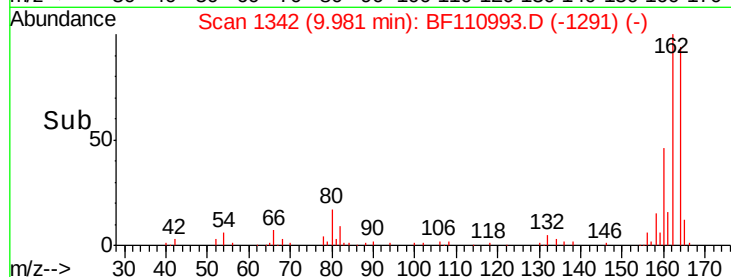


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.456 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Tgt Ion:216 Resp: 106790

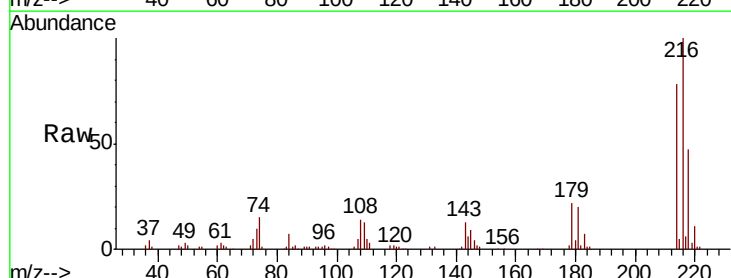
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 22.6 16.6 25.0

108 18.0 15.1 22.7



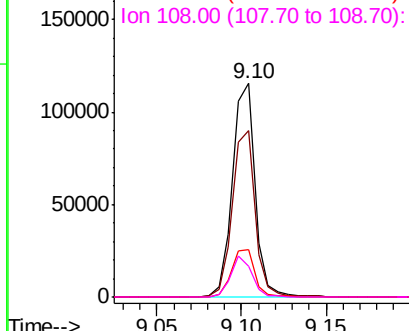
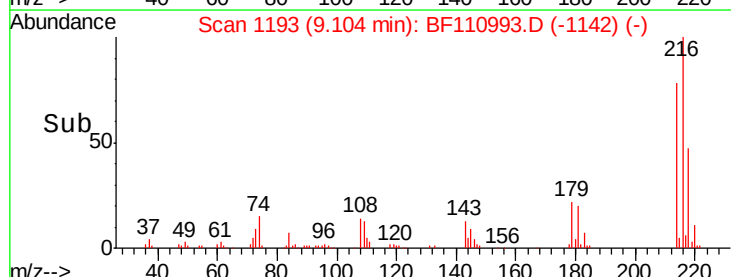
Abundance

Ion 216.00 (215.70 to 216.70): E

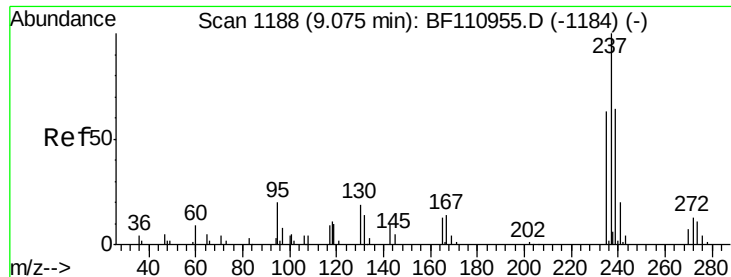
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



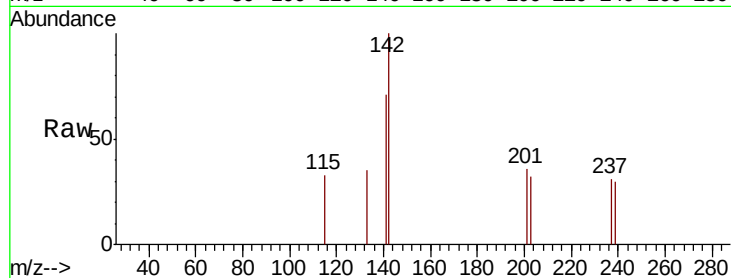




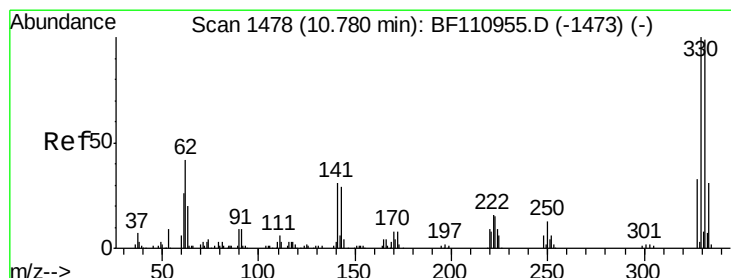
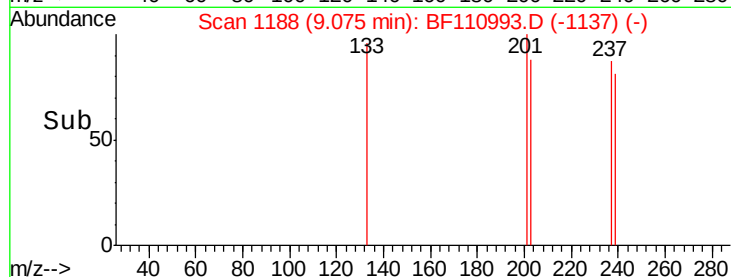
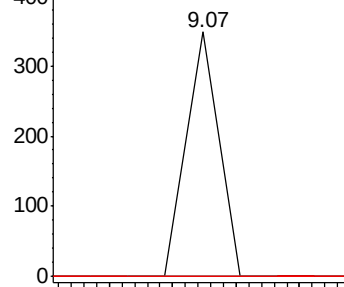
#41  
Hexachlorocyclopentadiene  
Concen: 10.483 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion: 237 Resp: 123  
Ion Ratio Lower Upper  
237 100  
235 0.0 43.1 83.1#  
272 0.0 0.0 32.6

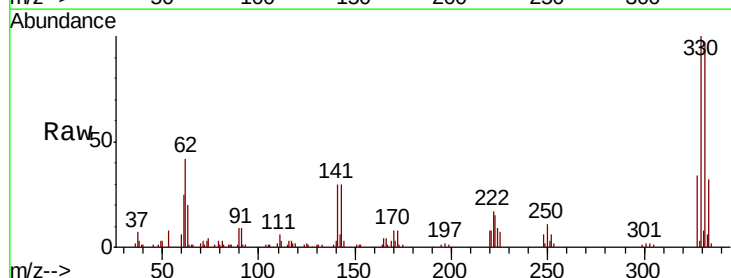


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

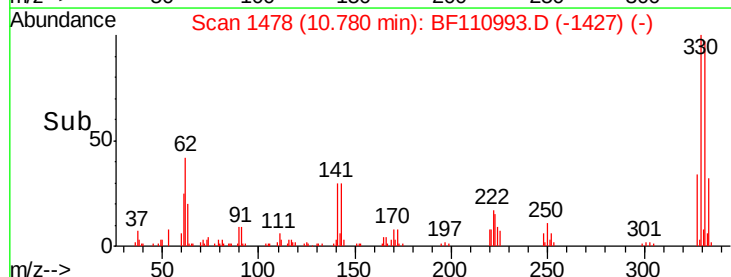
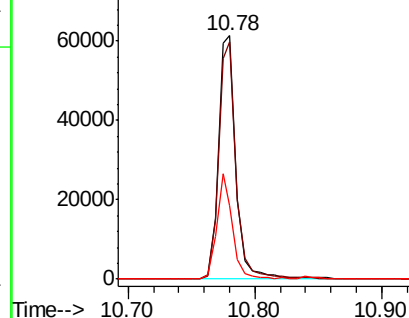


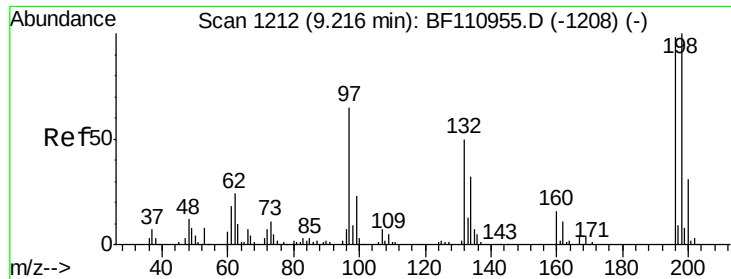
#42  
2,4,6-Tribromophenol  
Concen: 70.443 ng  
RT: 10.78 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion: 330 Resp: 60192  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.1 115.7  
141 38.4 27.0 40.4



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

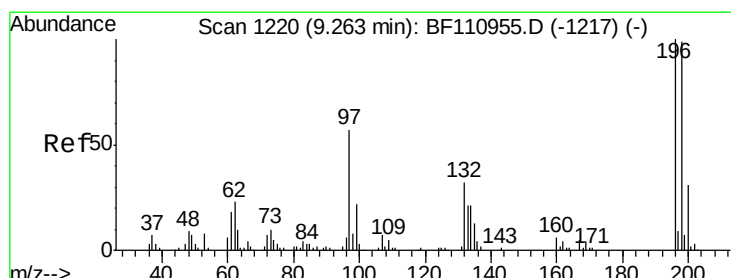
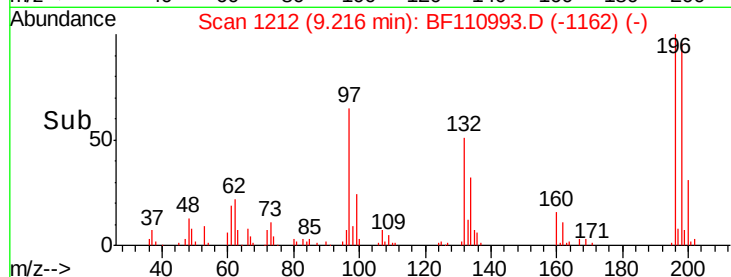
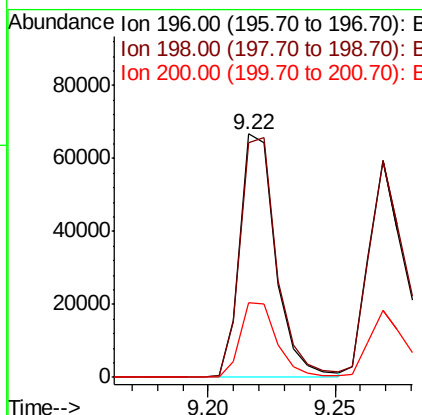
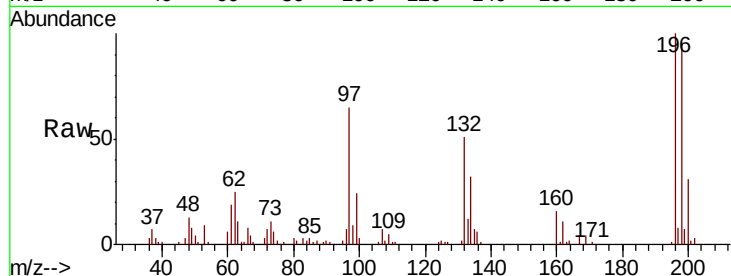




#43  
 2,4,6-Trichlorophenol  
 Concen: 40.636 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

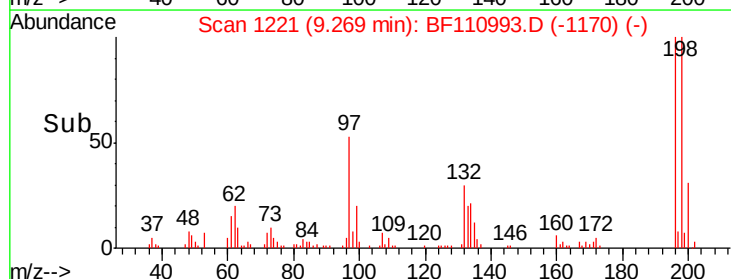
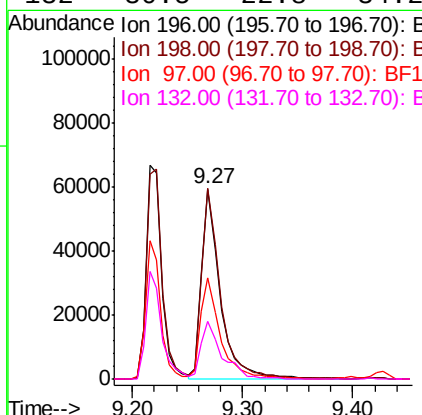
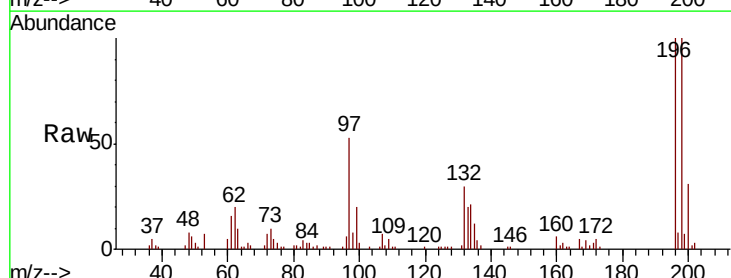
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

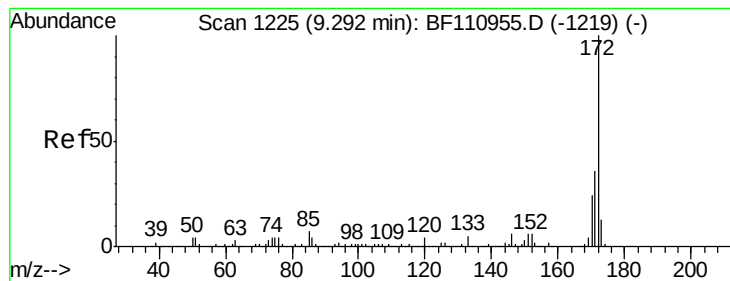
Tgt Ion:196 Resp: 65688  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 76.2 114.4  
 200 30.6 24.4 36.6



#44  
 2,4,5-Trichlorophenol  
 Concen: 39.948 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Tgt Ion:196 Resp: 67995  
 Ion Ratio Lower Upper  
 196 100  
 198 100.4 75.8 113.6  
 97 53.2 42.4 63.6  
 132 30.5 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 89.269 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

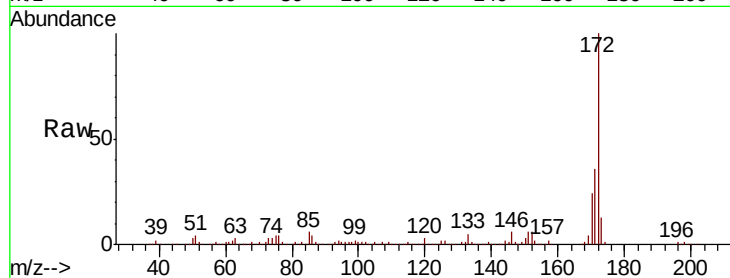
Tgt Ion:172 Resp: 530145

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

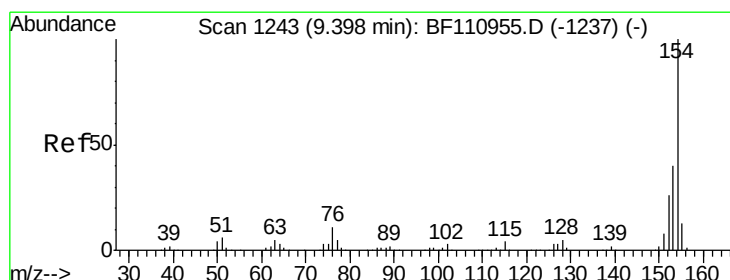
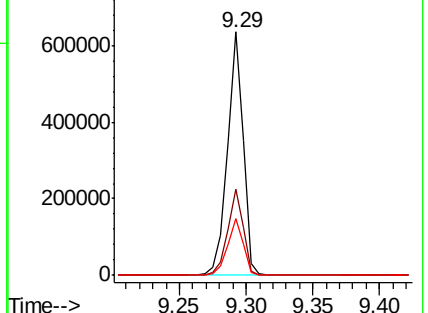
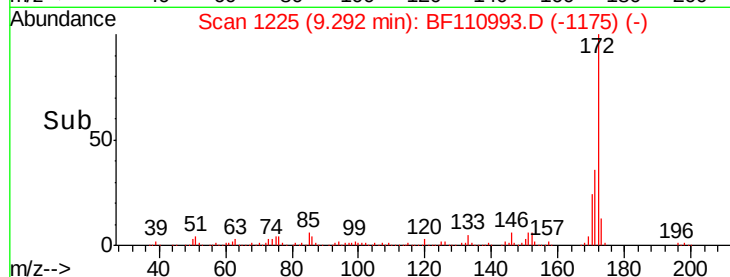
170 23.5 19.7 29.5



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: 37.969 ng

RT: 9.40 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

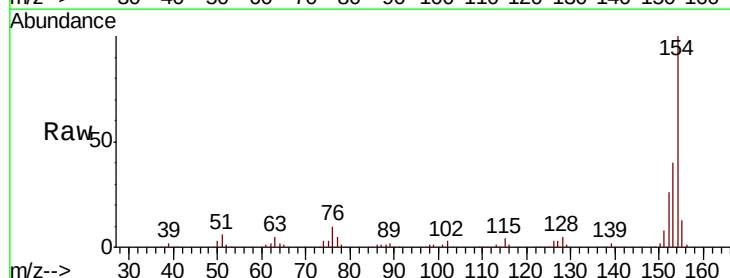
Tgt Ion:154 Resp: 301180

Ion Ratio Lower Upper

154 100

153 40.0 20.4 60.4

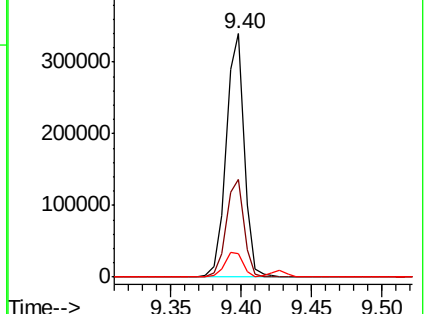
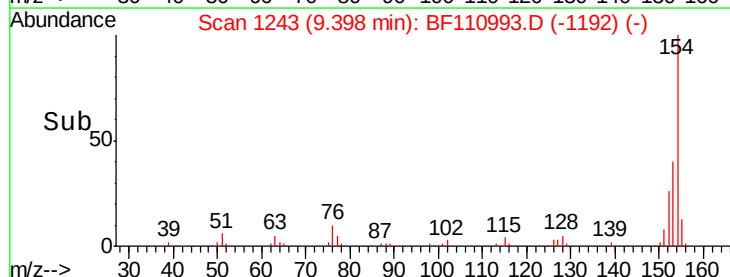
76 9.6 0.0 31.9

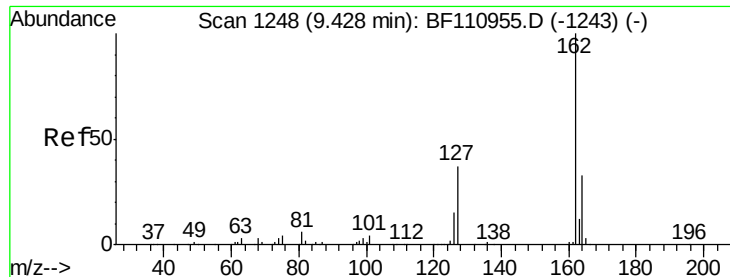


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

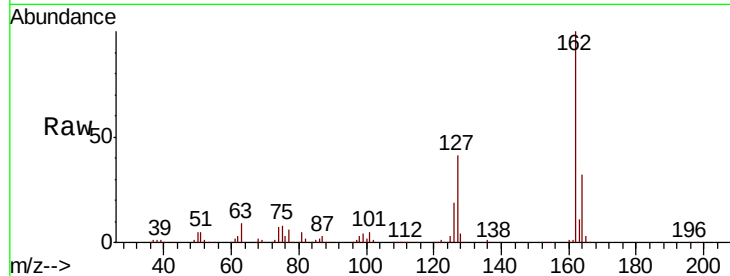




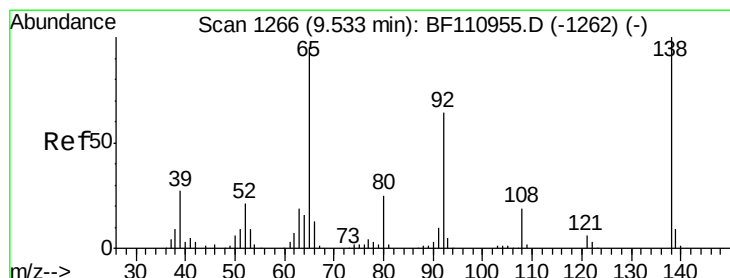
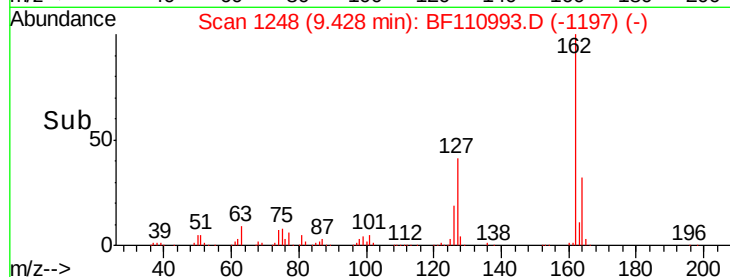
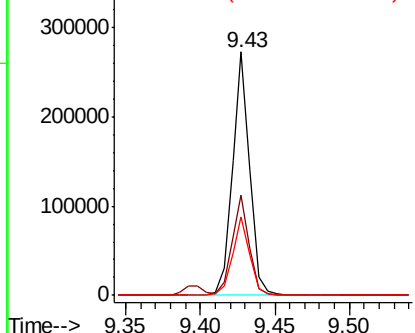
#47  
 2-Chloronaphthalene  
 Concen: 38.669 ng  
 RT: 9.43 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.3  | 32.6  | 48.8  |
| 164     | 32.2  | 25.9  | 38.9  |

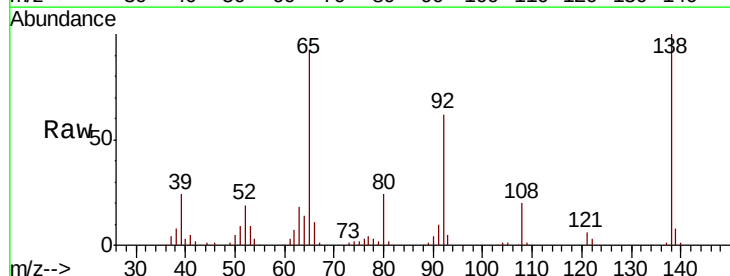


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

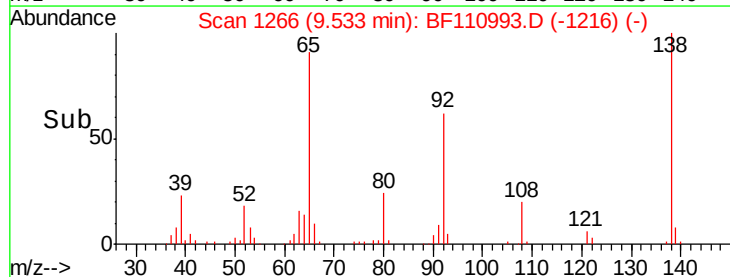
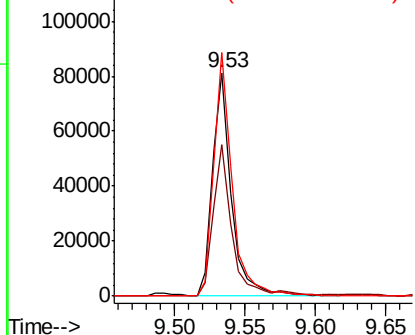


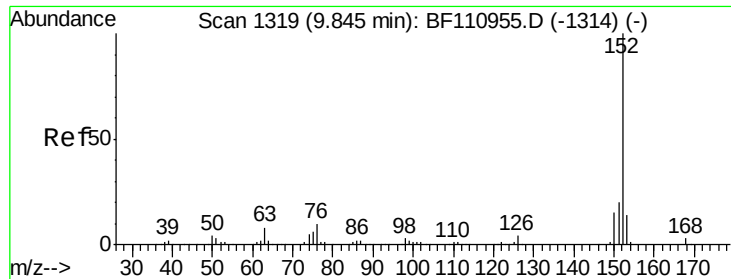
#48  
 2-Nitroaniline  
 Concen: 42.305 ng  
 RT: 9.53 min Scan# 1266  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.6  | 54.6  | 81.8  |
| 138     | 108.8 | 80.3  | 120.5 |



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





#49

Acenaphthylene

Concen: 40.177 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

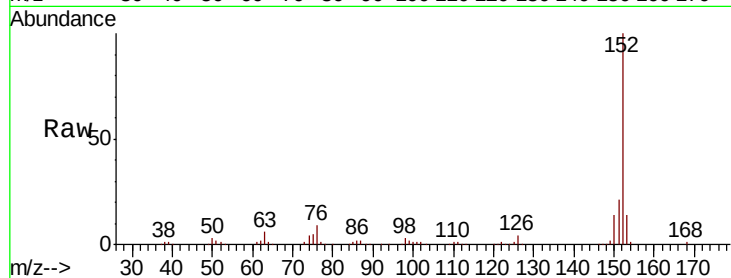
Tgt Ion:152 Resp: 328580

Ion Ratio Lower Upper

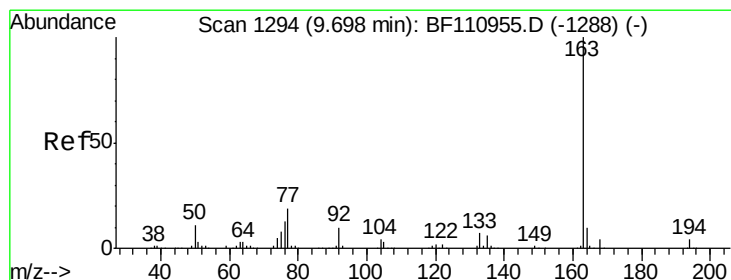
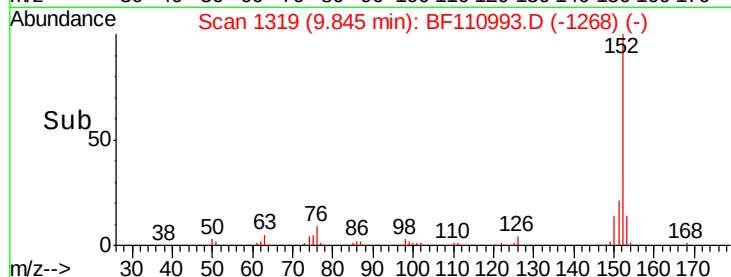
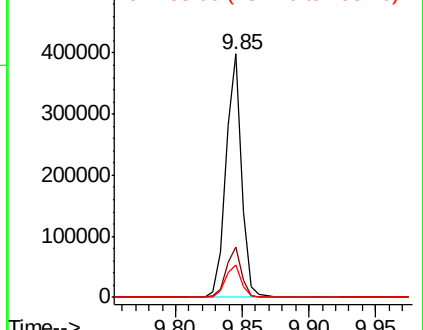
152 100

151 20.7 15.8 23.8

153 13.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 42.518 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

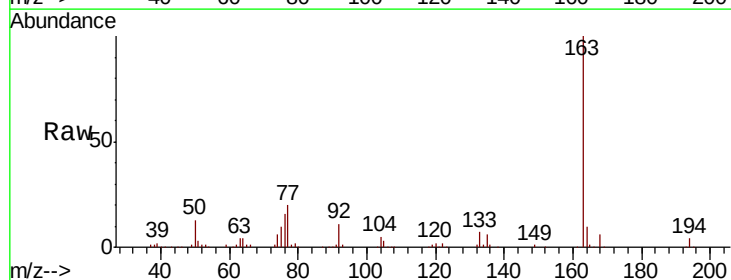
Tgt Ion:163 Resp: 268292

Ion Ratio Lower Upper

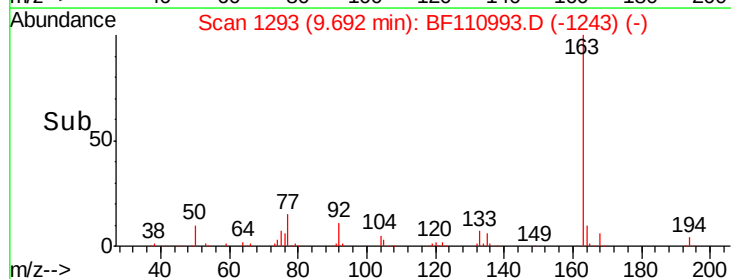
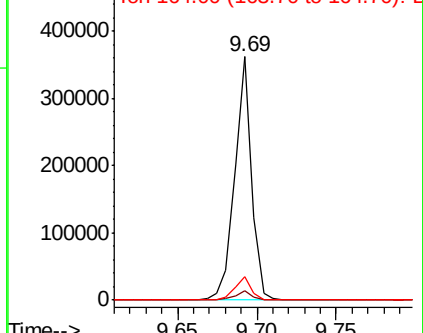
163 100

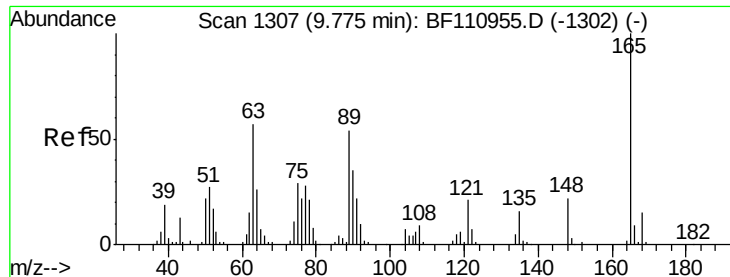
194 3.7 3.2 4.8

164 9.7 8.1 12.1



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

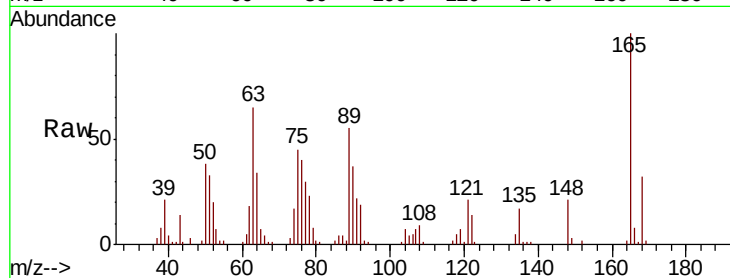




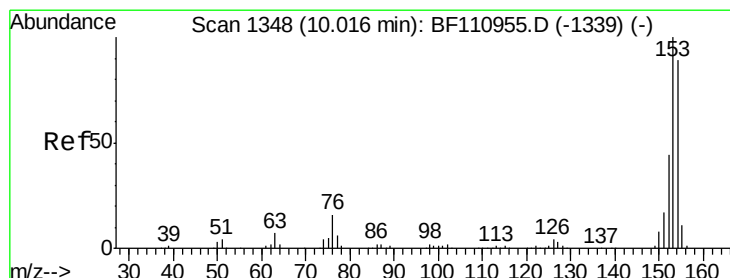
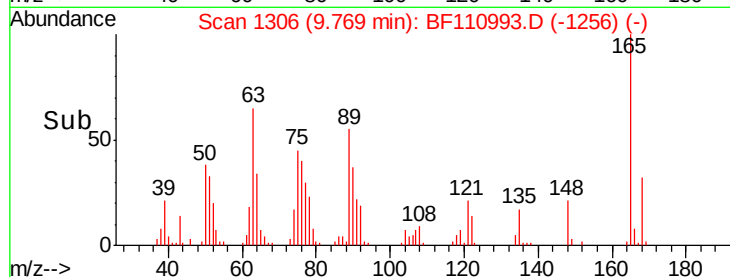
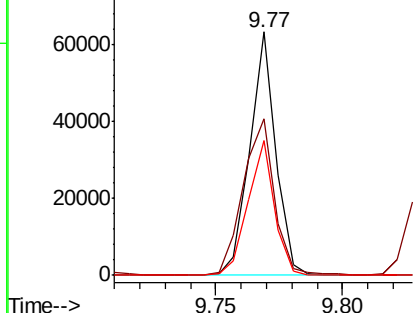
#51  
 2,6-Dinitrotoluene  
 Concen: 32.291 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Tgt Ion:165 Resp: 45361  
 Ion Ratio Lower Upper  
 165 100  
 63 64.5 48.9 73.3  
 89 55.5 46.6 69.8

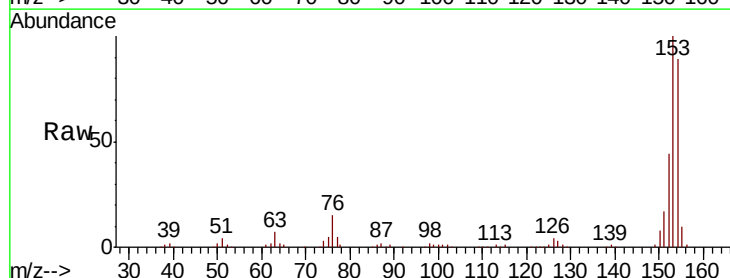


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

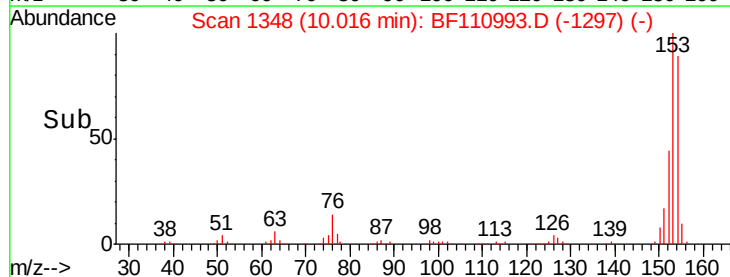
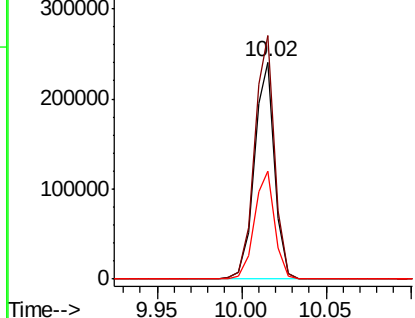


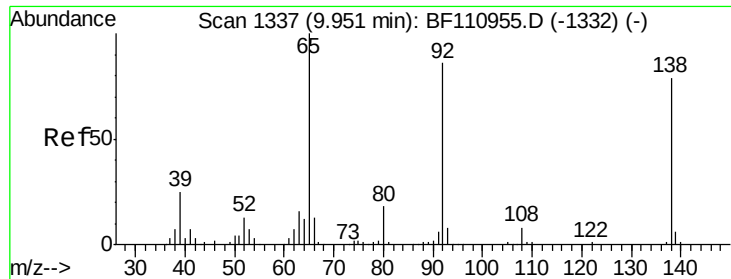
#52  
 Acenaphthene  
 Concen: 38.517 ng  
 RT: 10.02 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Tgt Ion:154 Resp: 201937  
 Ion Ratio Lower Upper  
 154 100  
 153 112.1 90.1 135.1  
 152 49.9 43.4 65.2



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

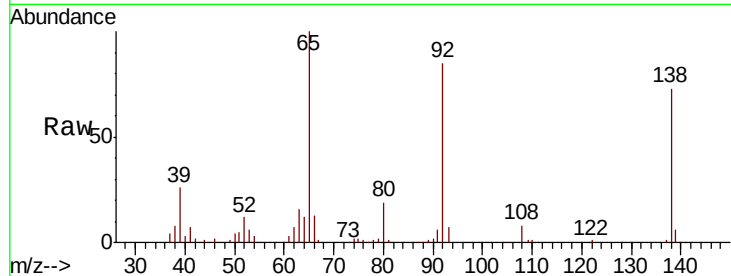




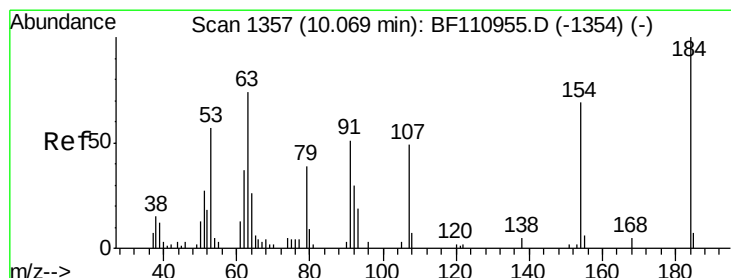
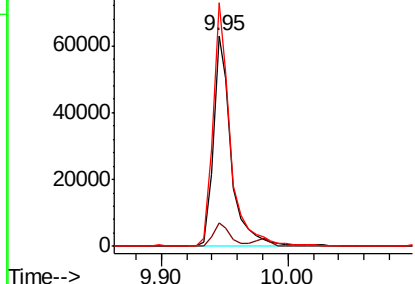
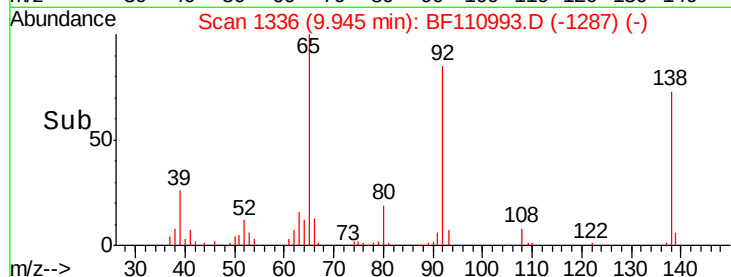
#53  
3-Nitroaniline  
Concen: 38.203 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion:138 Resp: 62549  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.7 13.1  
92 115.5 97.0 145.4

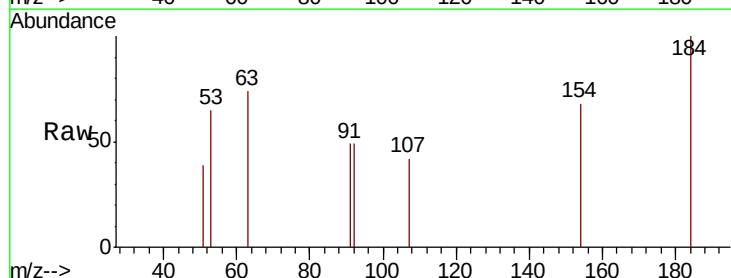


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

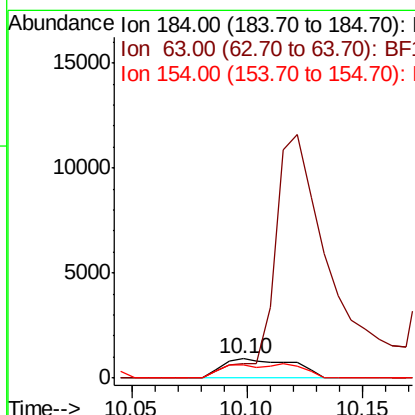
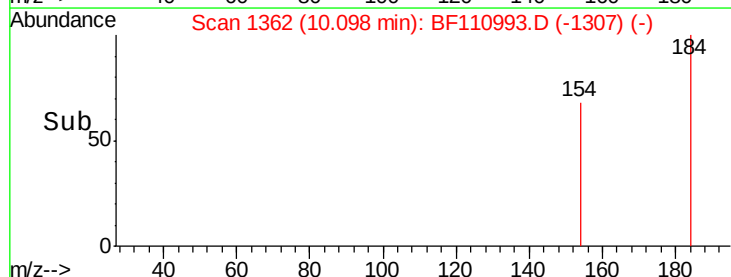


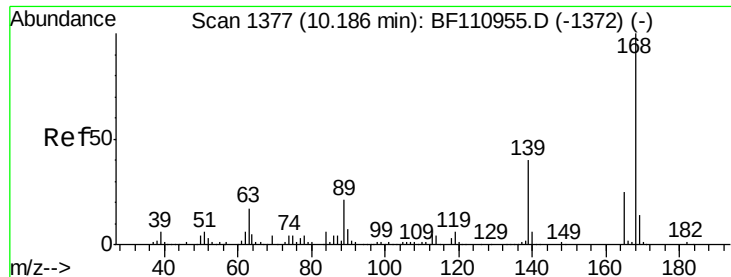
#54  
2,4-Dinitrophenol  
Concen: 7.498 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. 0.02 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:184 Resp: 1968  
Ion Ratio Lower Upper  
184 100  
63 74.4 55.8 83.6  
154 68.4 63.2 94.8



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

Dibenzenofuran

Concen: 37.120 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

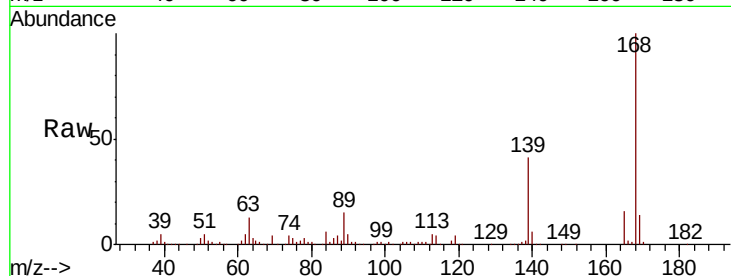
Tgt Ion:168 Resp: 283921

Ion Ratio Lower Upper

168 100

139 41.2 33.0 49.6

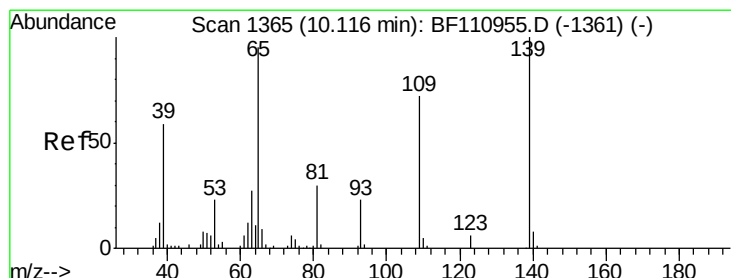
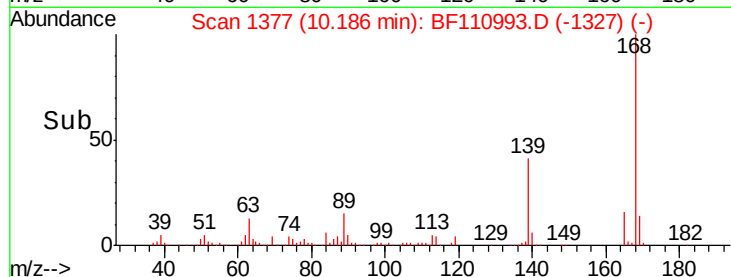
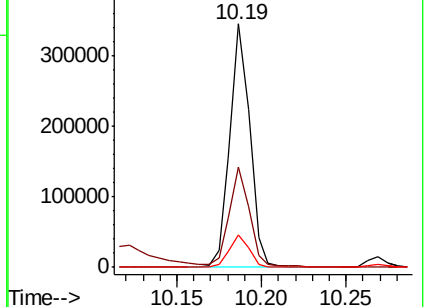
169 13.5 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 59.312 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

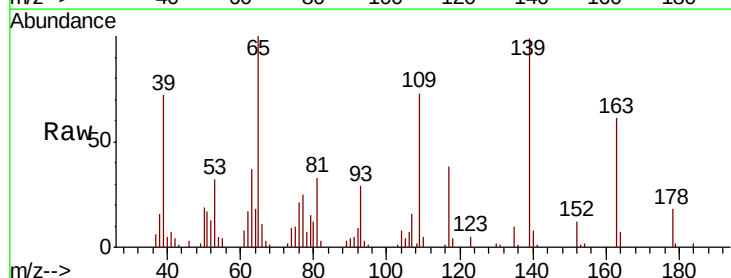
Tgt Ion:139 Resp: 52931

Ion Ratio Lower Upper

139 100

109 73.3 55.8 95.8

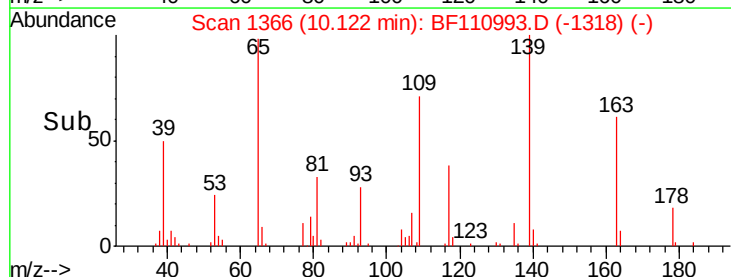
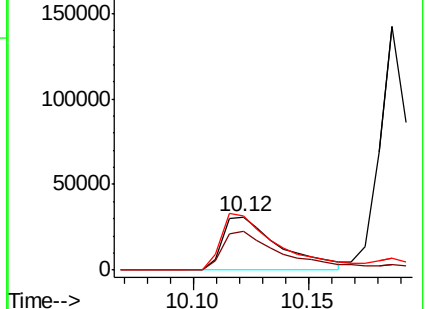
65 100.8 77.9 117.9



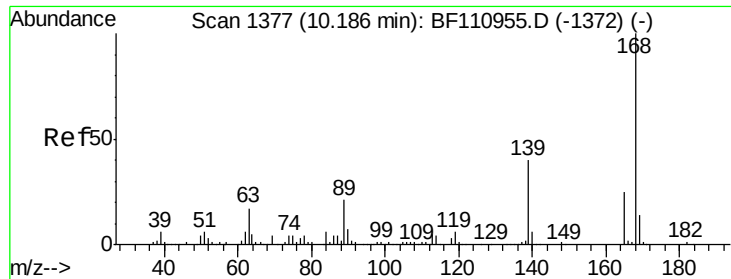
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



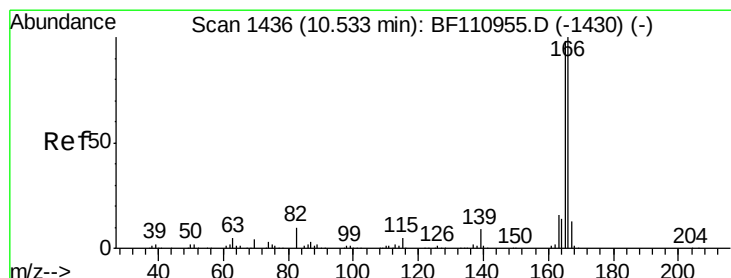
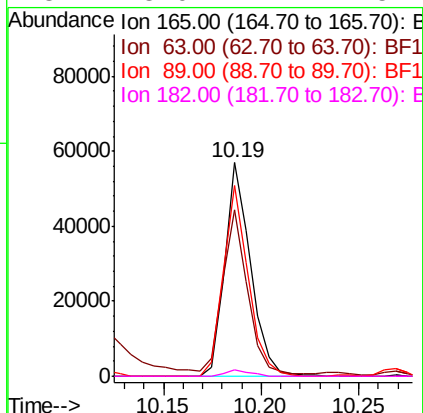
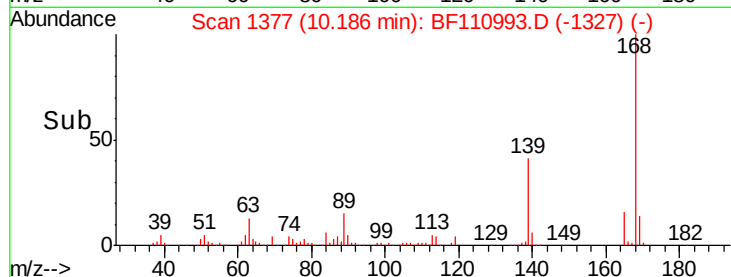
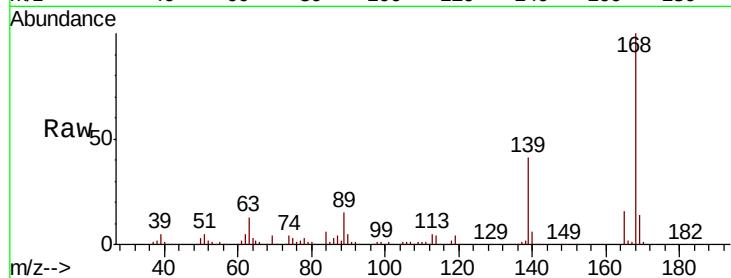




#57  
2,4-Dinitrotoluene  
Concen: 28.508 ng  
RT: 10.19 min Scan# 1377  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

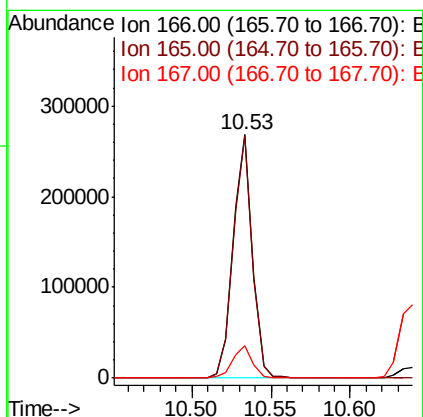
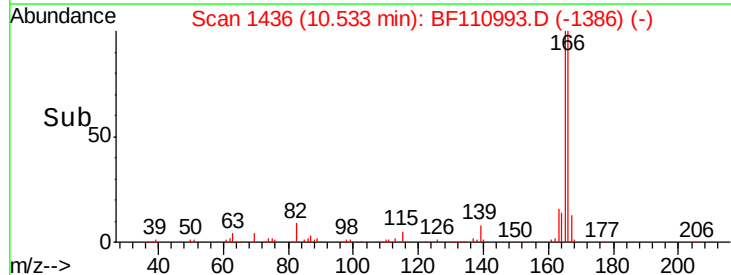
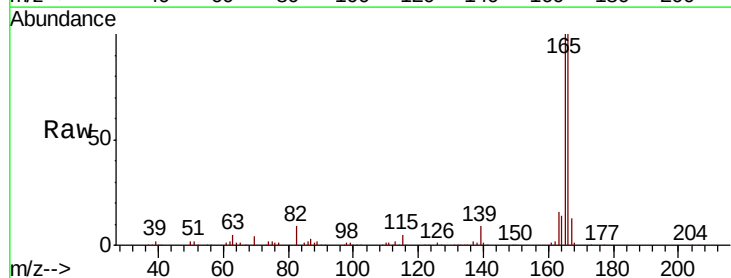
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

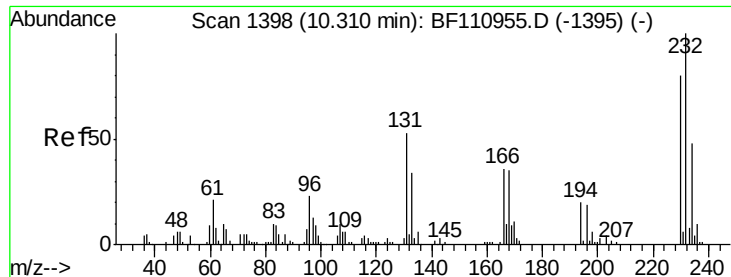
Tgt Ion:165 Resp: 51958  
Ion Ratio Lower Upper  
165 100  
63 77.9 44.8 67.2#  
89 89.4 62.2 93.4  
182 3.0 2.1 3.1



#58  
Fluorene  
Concen: 37.614 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:166 Resp: 223836  
Ion Ratio Lower Upper  
166 100  
165 99.6 78.6 117.8  
167 13.1 10.8 16.2

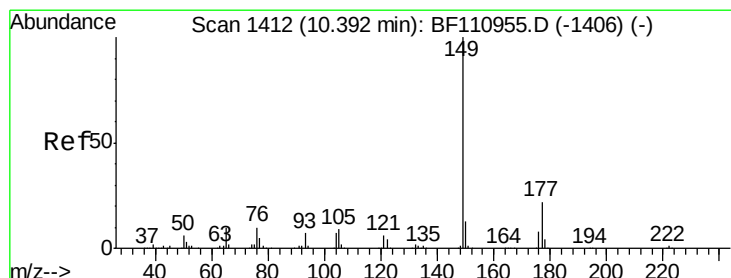
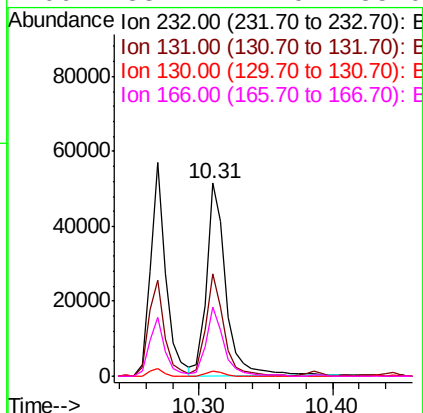
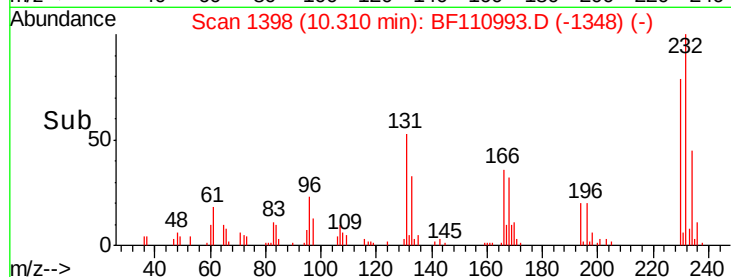
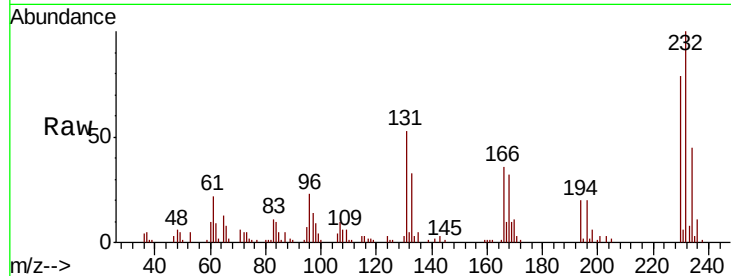




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 36.906 ng  
 RT: 10.31 min Scan# 1398  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

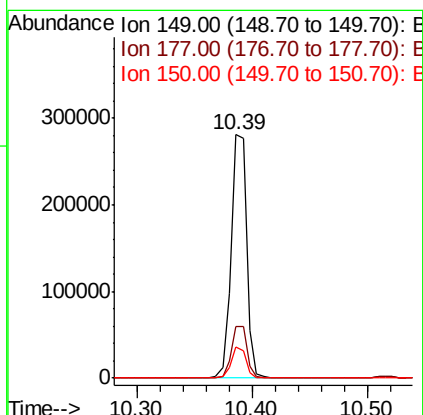
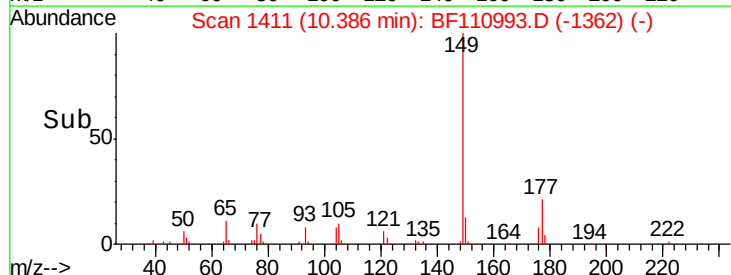
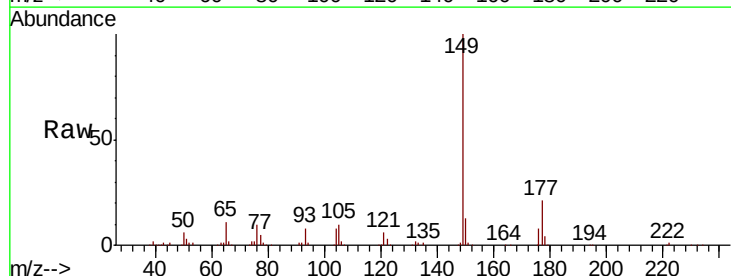
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

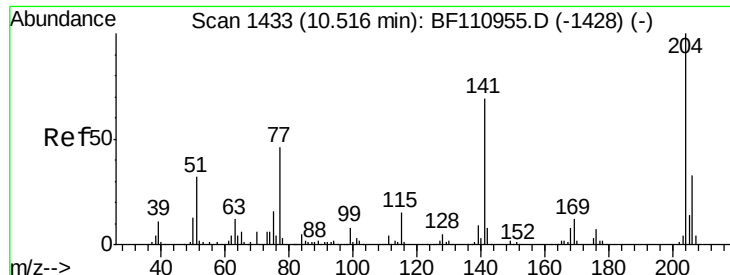
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 50.3  | 37.0  | 55.4  |
| 130     | 2.3   | 1.8   | 2.6   |
| 166     | 33.7  | 22.0  | 33.0# |



#60  
 Diethylphthalate  
 Concen: 39.972 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.0  | 17.4  | 26.2  |
| 150     | 12.8  | 9.8   | 14.8  |

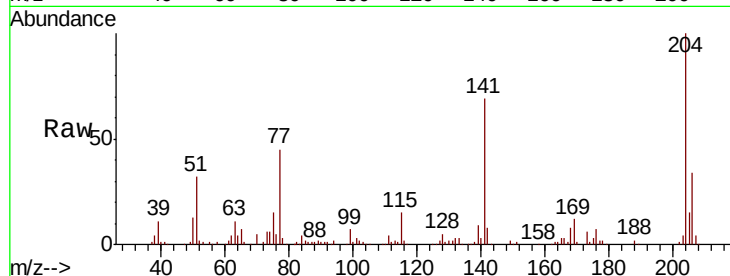




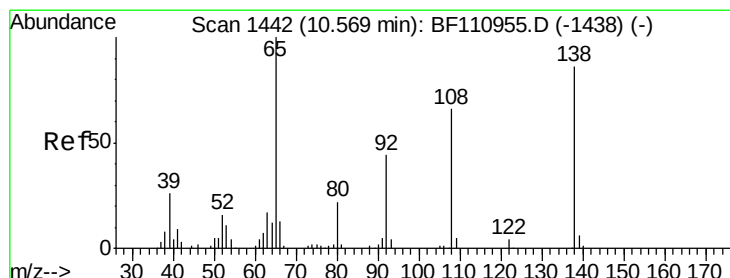
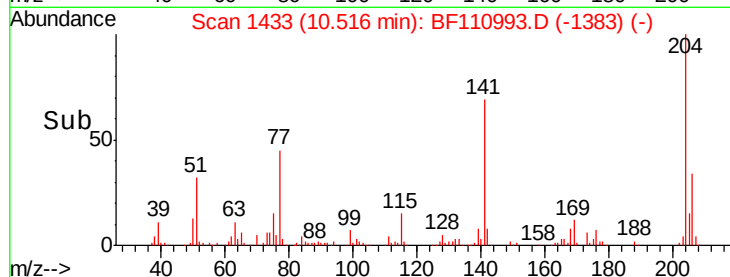
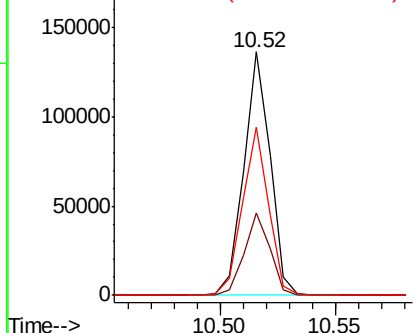
#61  
4-Chlorophenyl-phenylether  
Concen: 34.908 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion:204 Resp: 108656  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.5 39.7  
141 69.0 51.8 77.8

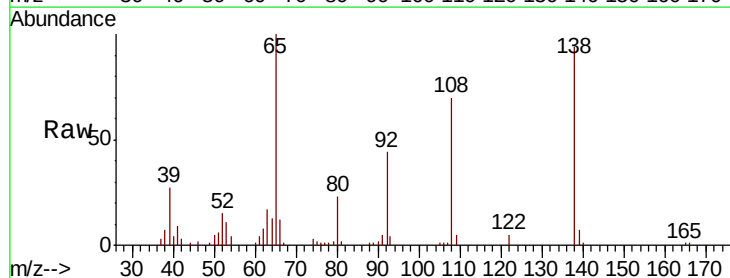


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

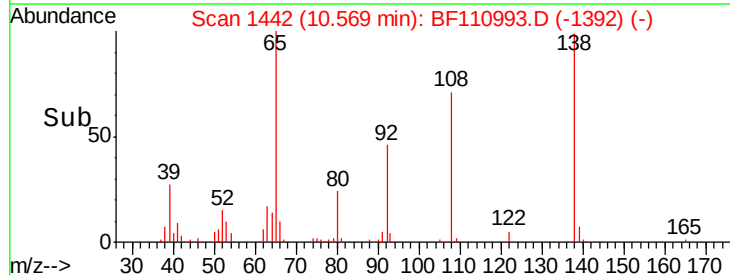
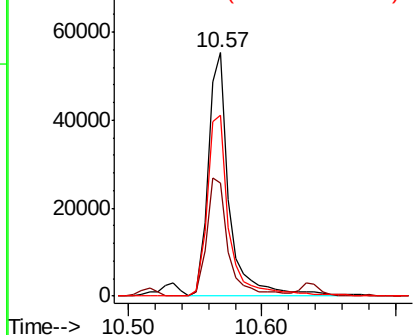


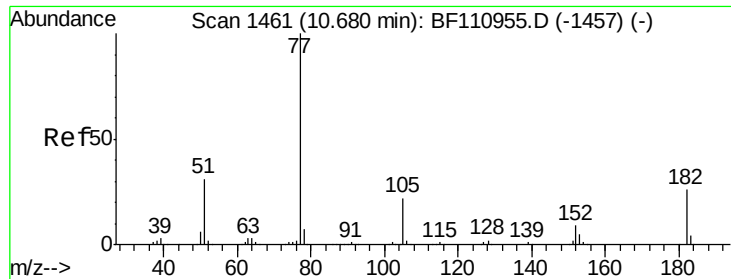
#62  
4-Nitroaniline  
Concen: 39.988 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:138 Resp: 60959  
Ion Ratio Lower Upper  
138 100  
92 46.4 31.7 71.7  
108 74.0 59.3 99.3



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

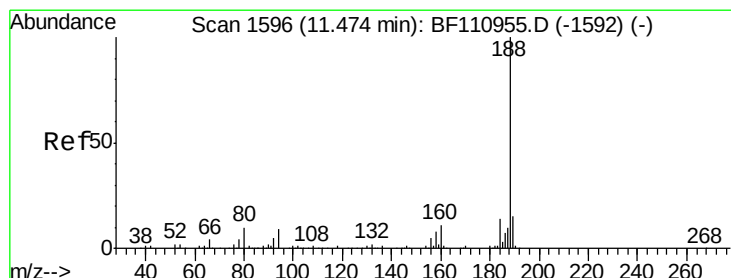
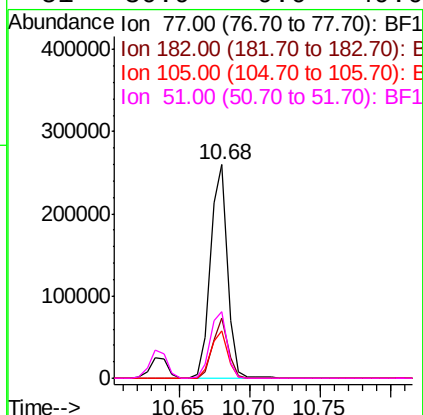
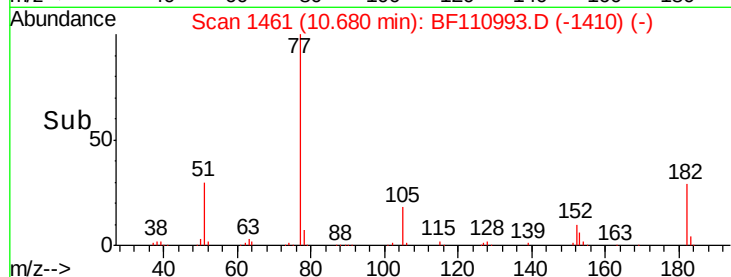
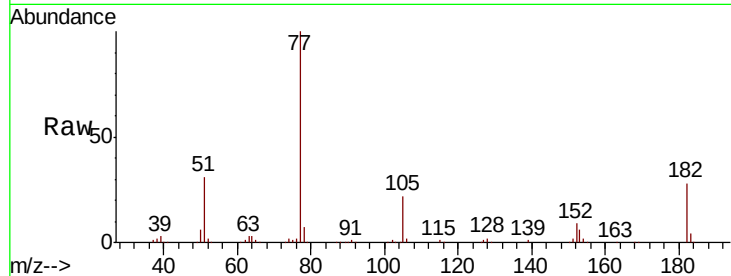




#63  
Azobenzene  
Concen: 33.982 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

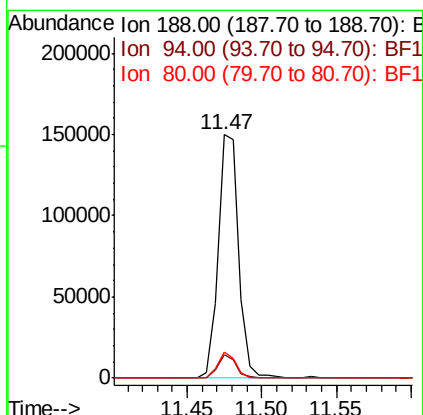
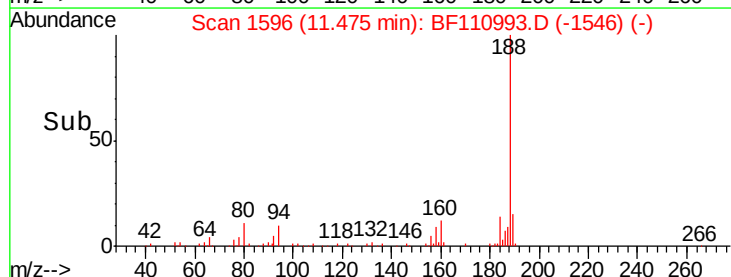
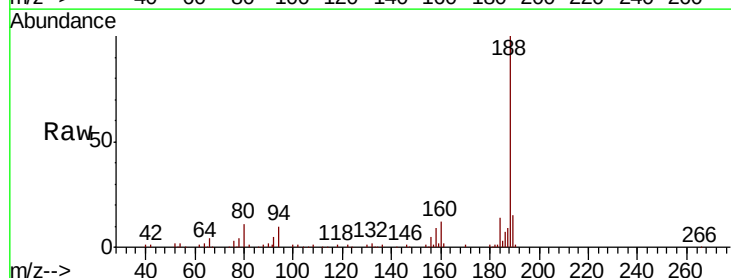
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

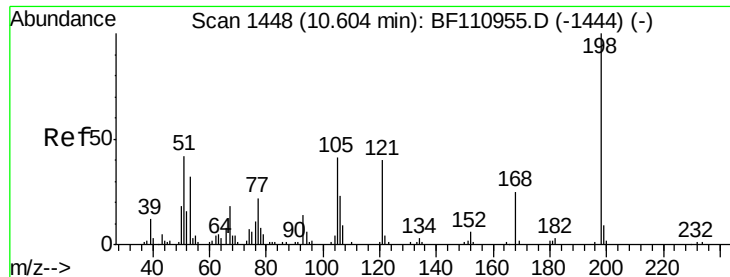
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.4  | 4.3   | 44.3  |
| 105     | 22.0  | 1.3   | 41.3  |
| 51      | 30.9  | 9.0   | 49.0  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1596  
Delta R.T. -0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 7.2   | 10.8  |
| 80      | 10.5  | 7.9   | 11.9  |

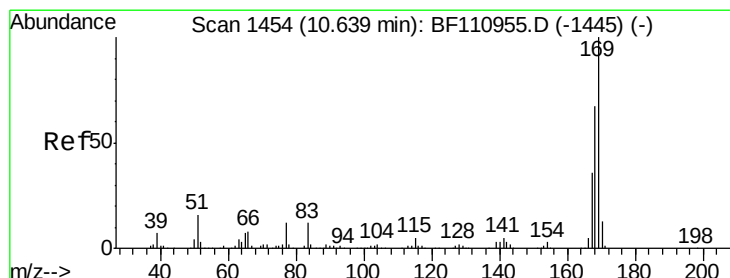
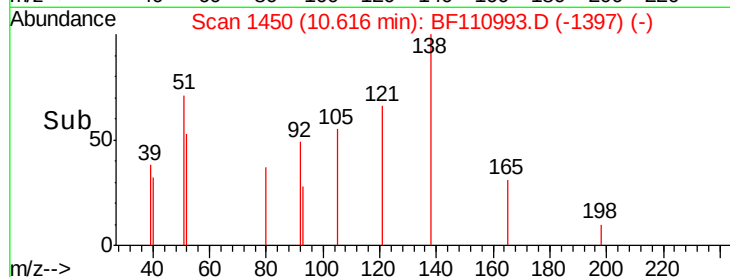
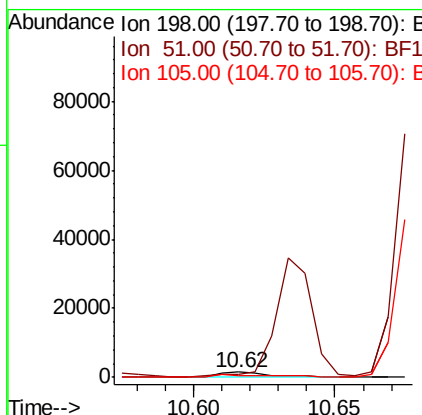
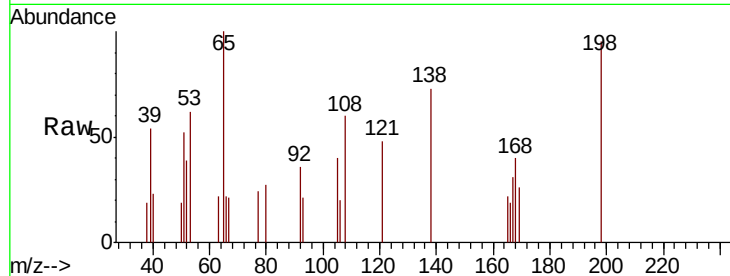




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.647 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. 0.01 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

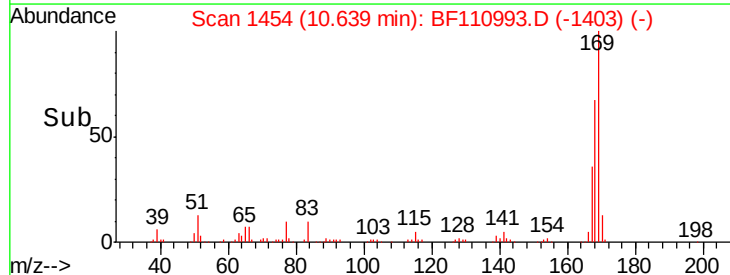
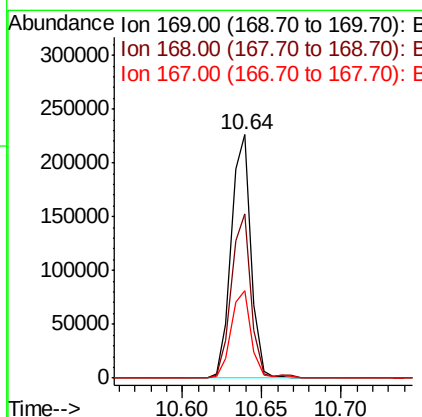
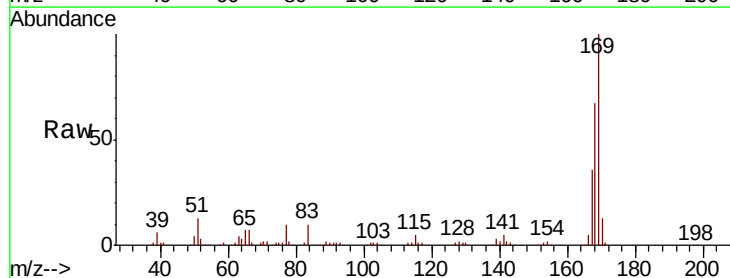
Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

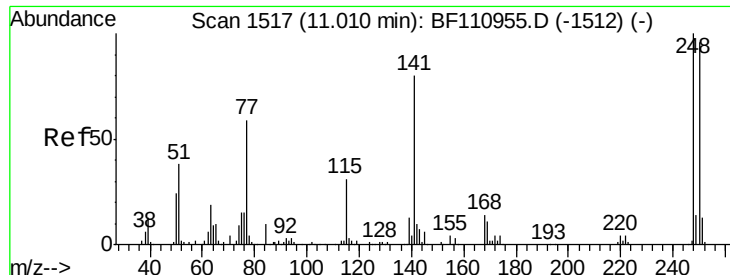
Tgt Ion:198 Resp: 1813  
Ion Ratio Lower Upper  
198 100  
51 54.7 22.8 62.8  
105 42.0 23.6 63.6



#66  
n-Nitrosodiphenylamine  
Concen: 40.631 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:169 Resp: 195825  
Ion Ratio Lower Upper  
169 100  
168 67.2 51.2 76.8  
167 35.9 27.8 41.6

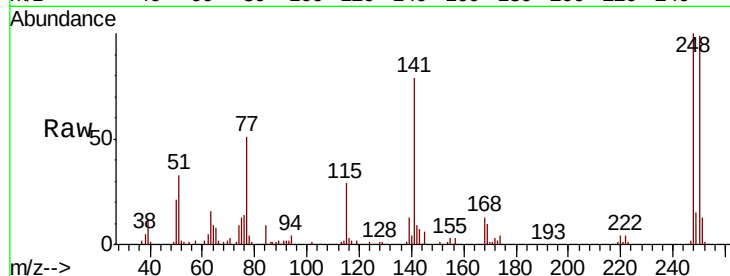




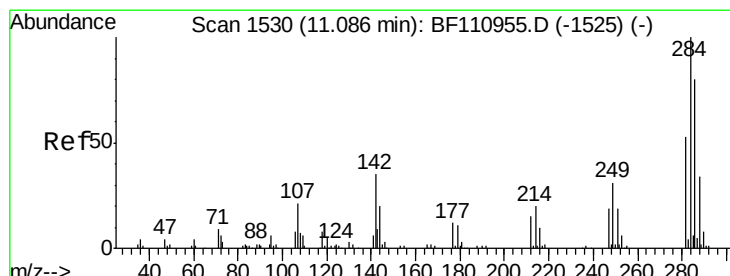
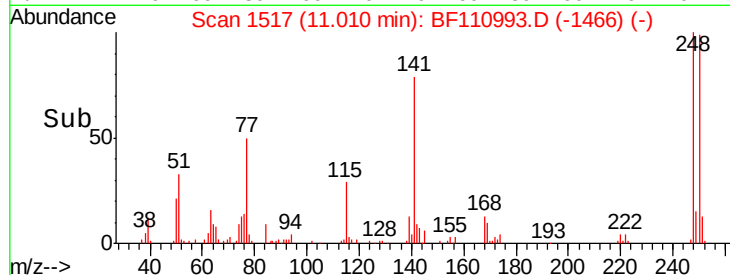
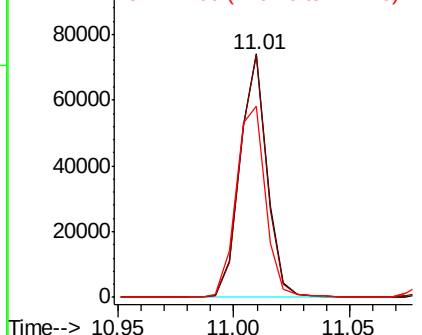
#67  
4-Bromophenyl-phenylether  
Concen: 38.359 ng  
RT: 11.01 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion:248 Resp: 60483  
Ion Ratio Lower Upper  
248 100  
250 99.4 79.4 119.2  
141 78.7 55.9 83.9

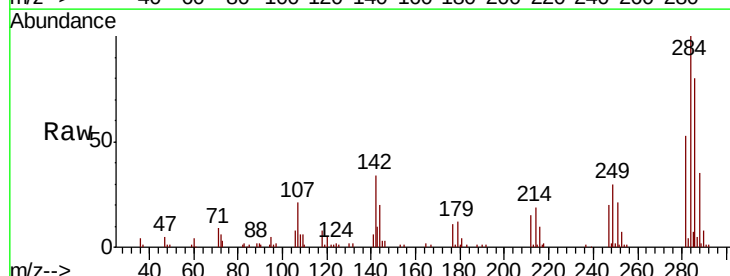


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

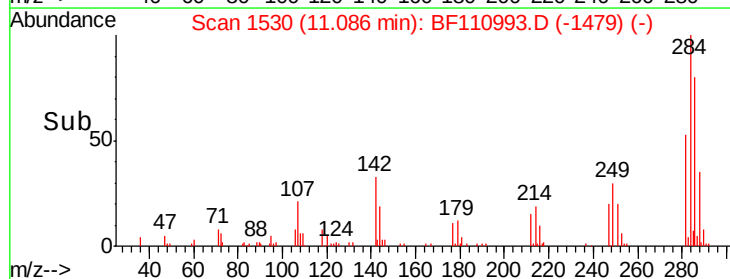
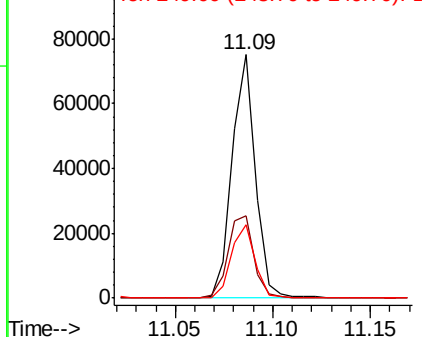


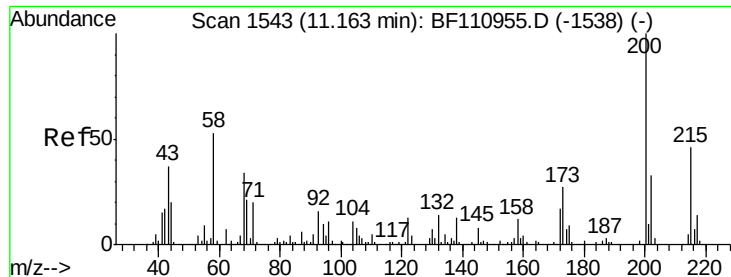
#68  
Hexachlorobenzene  
Concen: 37.065 ng  
RT: 11.09 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:284 Resp: 62250  
Ion Ratio Lower Upper  
284 100  
142 33.9 23.9 35.9  
249 30.0 24.2 36.2



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

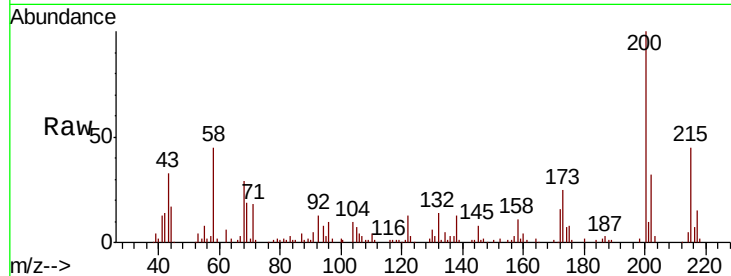




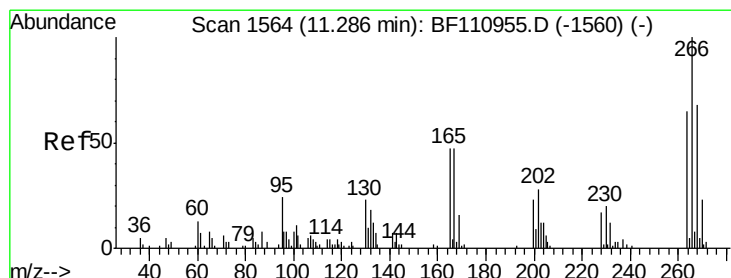
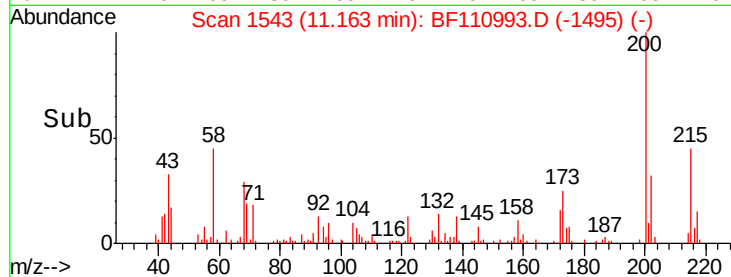
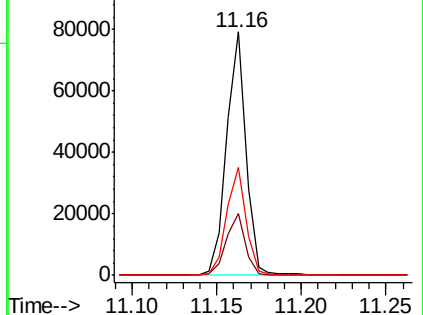
#69  
 Atrazine  
 Concen: Below Cal  
 RT: 11.16 min Scan# 1543  
 Delta R.T. -0.02 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Tgt Ion: 200 Resp: 63264  
 Ion Ratio Lower Upper  
 200 100  
 173 25.2 6.6 46.6  
 215 44.6 26.3 66.3

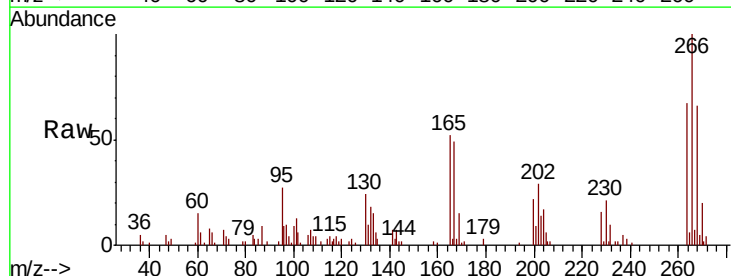


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

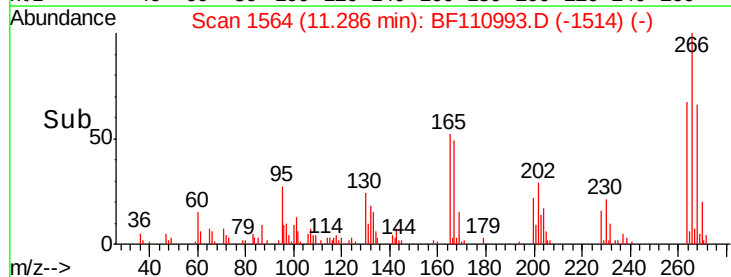
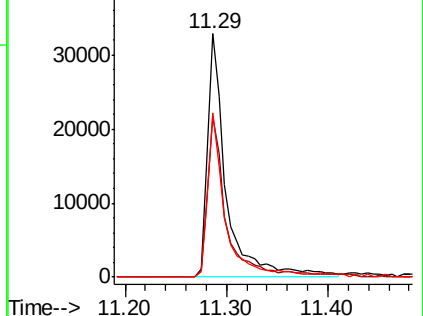


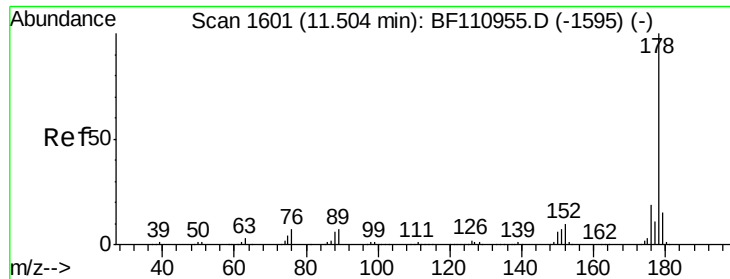
#70  
 Pentachlorophenol  
 Concen: 62.628 ng  
 RT: 11.29 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Tgt Ion: 266 Resp: 41847  
 Ion Ratio Lower Upper  
 266 100  
 268 66.0 50.6 75.8  
 264 67.3 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

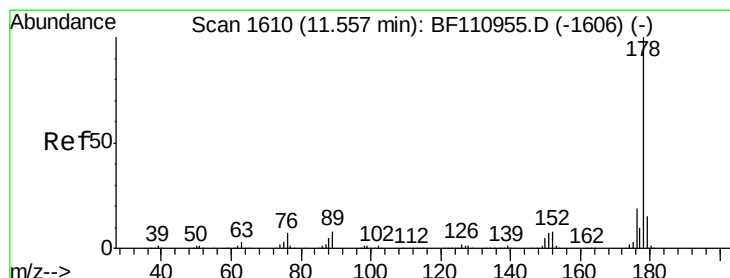
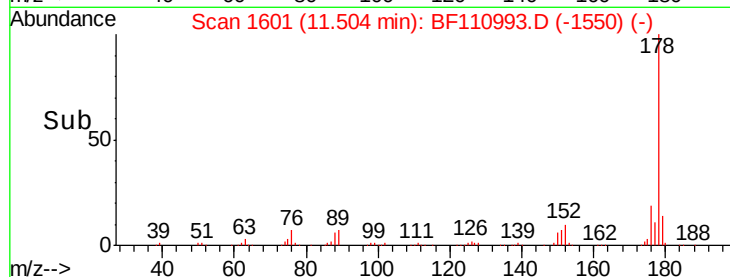
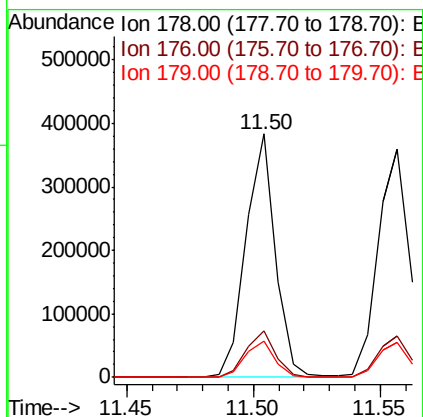
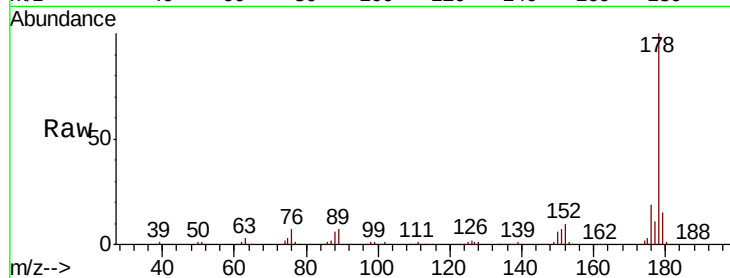




#71  
 Phenanthrene  
 Concen: 40.598 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

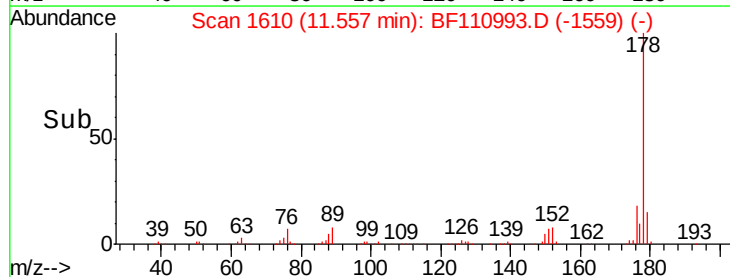
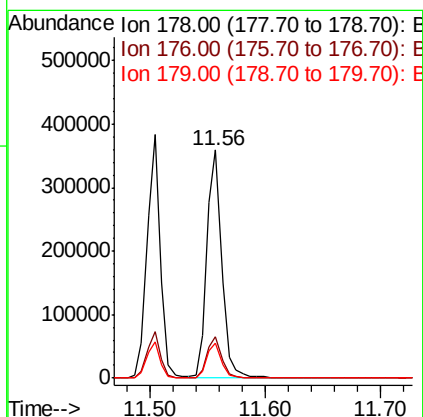
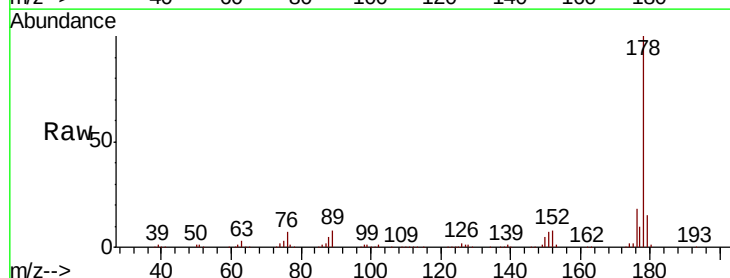
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

Tgt Ion:178 Resp: 311304  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.5 23.3  
 179 15.1 12.5 18.7

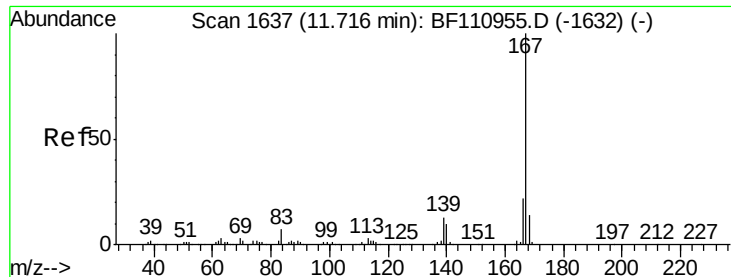


#72  
 Anthracene  
 Concen: 41.818 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

Tgt Ion:178 Resp: 326554  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 15.4 23.2  
 179 15.3 12.6 18.8



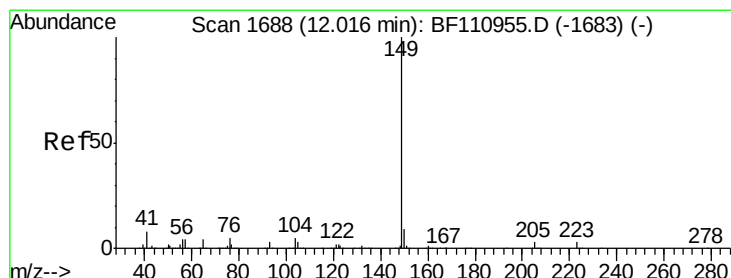
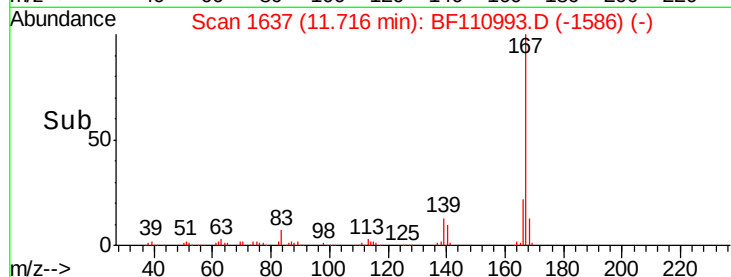
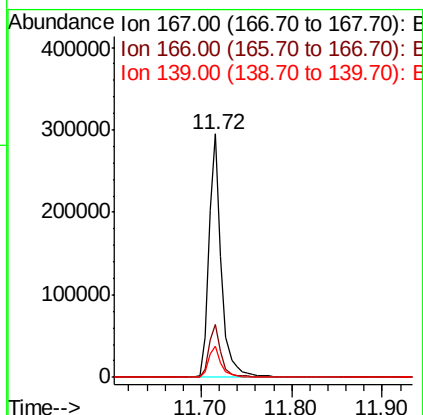
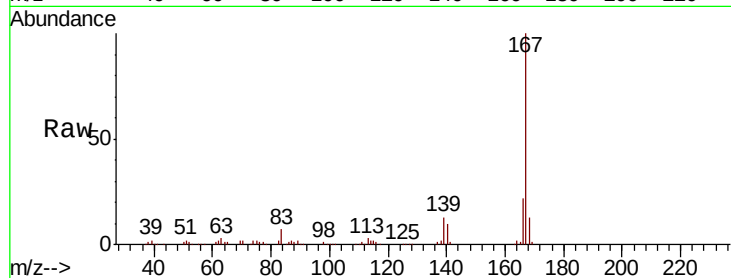




#73  
 Carbazole  
 Concen: 37.497 ng  
 RT: 11.72 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

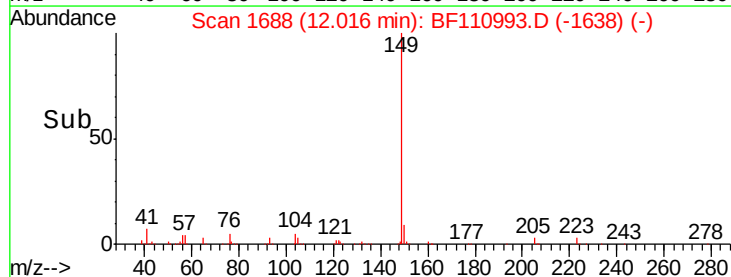
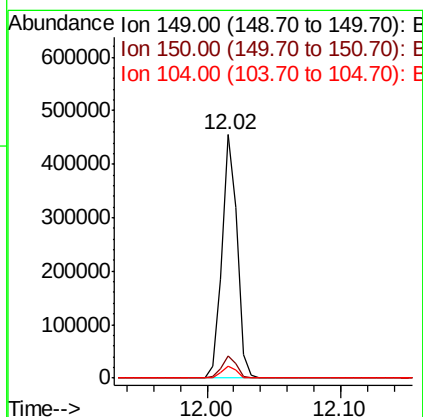
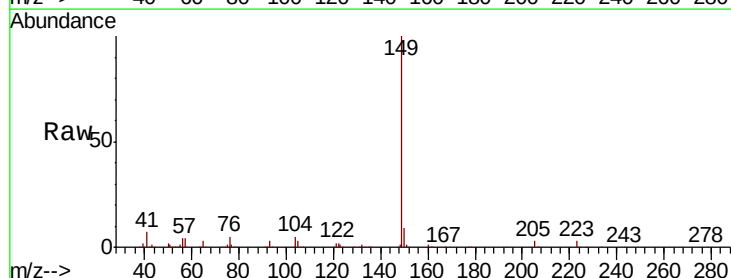
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB115071BS

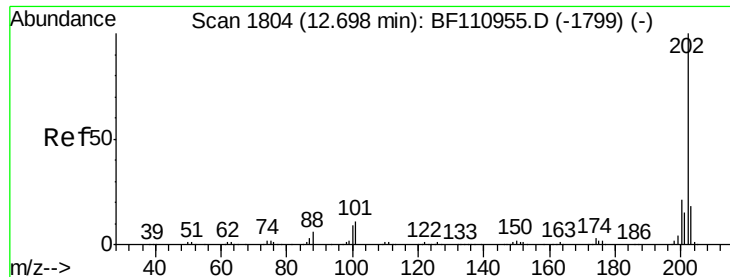
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.8  | 17.4  | 26.0  |
| 139     | 12.9  | 10.9  | 16.3  |



#74  
 Di-n-butylphthalate  
 Concen: 41.426 ng  
 RT: 12.02 min Scan# 1688  
 Delta R.T. -0.01 min  
 Lab File: BF110993.D  
 Acq: 27 Nov 2018 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.7   | 11.5  |
| 104     | 4.9   | 4.2   | 6.4   |





#75

Fluoranthene

Concen: 38.936 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

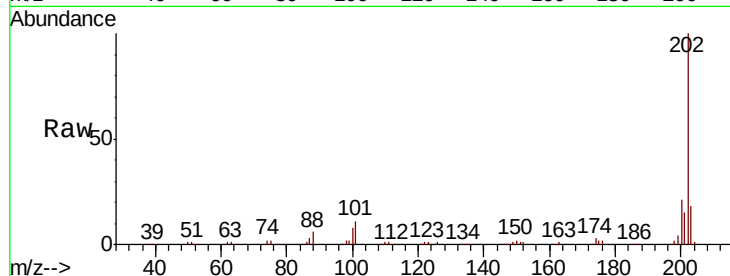
Tgt Ion:202 Resp: 306855

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

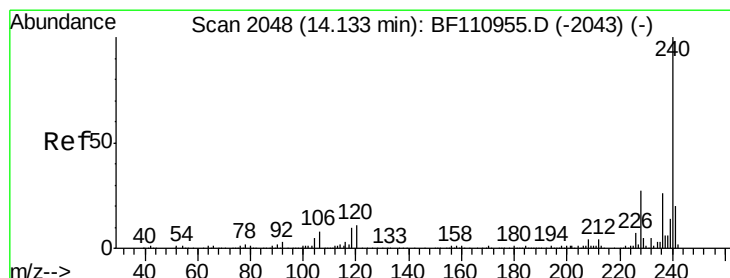
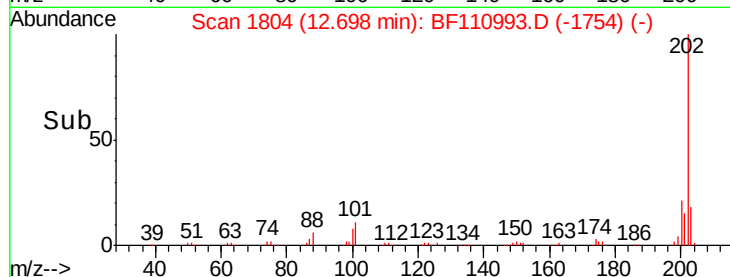
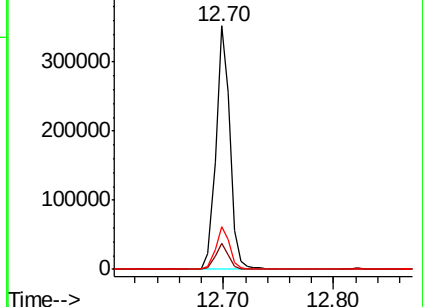
203 17.6 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

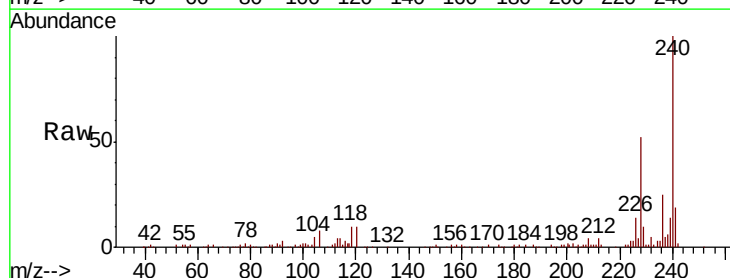
Tgt Ion:240 Resp: 86933

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

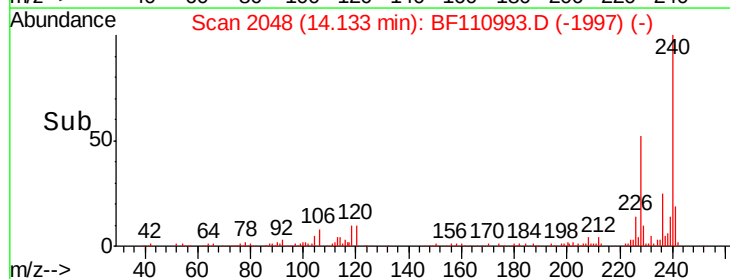
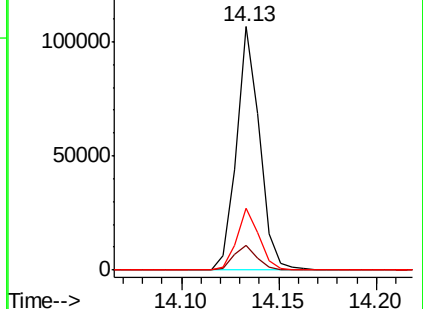
236 25.4 21.2 31.8

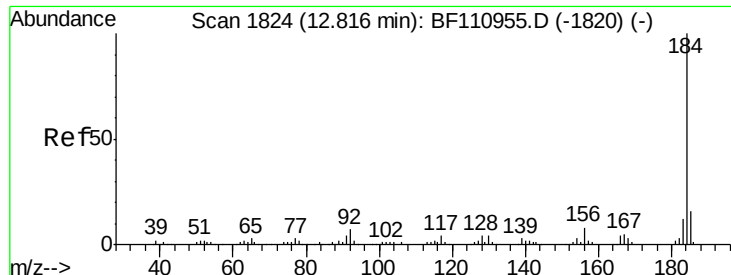


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

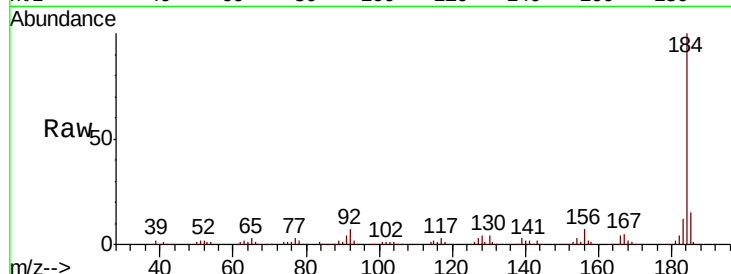




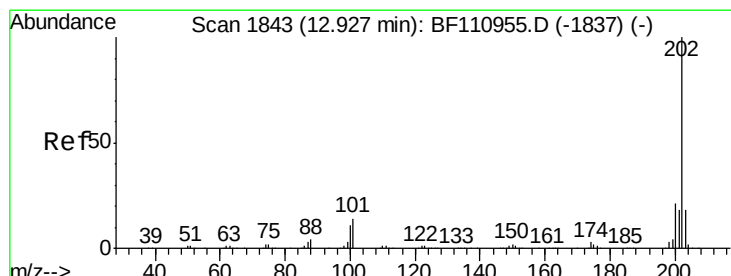
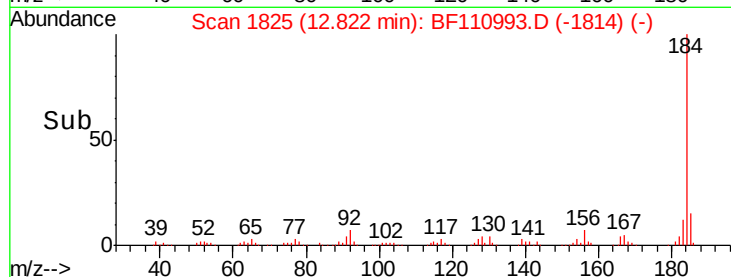
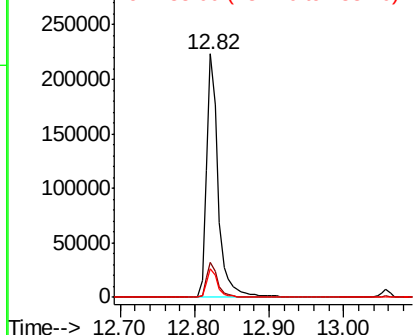
#77  
Benzidine  
Concen: 110.228 ng  
RT: 12.82 min Scan# 1825  
Delta R.T. -0.24 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB115071BS

Tgt Ion:184 Resp: 245101  
Ion Ratio Lower Upper  
184 100  
185 14.5 13.4 20.2  
183 11.7 9.4 14.2

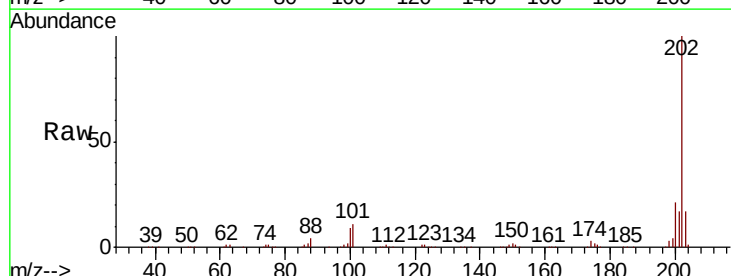


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

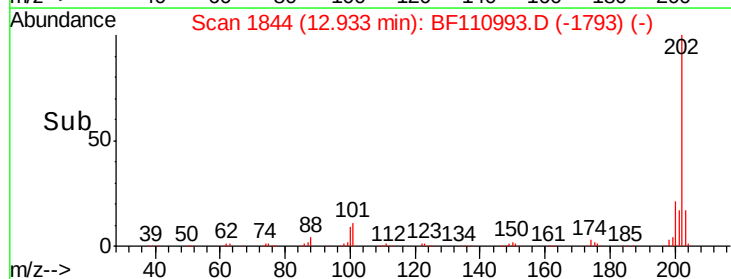
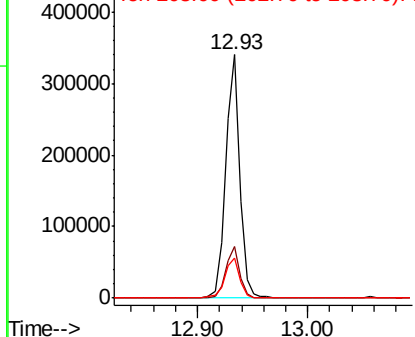


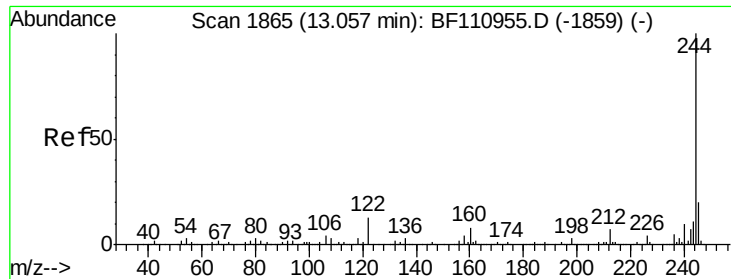
#78  
Pyrene  
Concen: 47.466 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.00 min  
Lab File: BF110993.D  
Acq: 27 Nov 2018 5:42

Tgt Ion:202 Resp: 301379  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.8 26.6  
203 16.6 14.2 21.4



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: 93.128 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

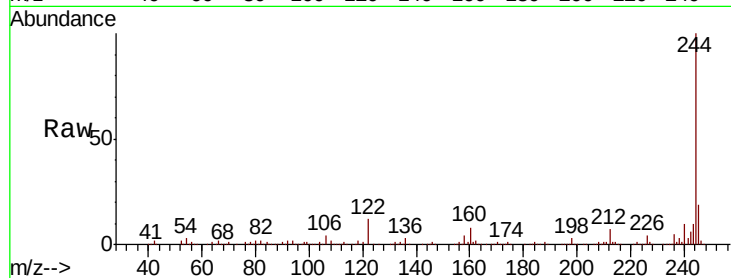
Tgt Ion:244 Resp: 415892

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

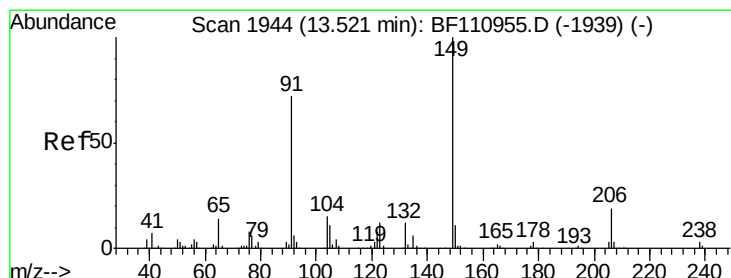
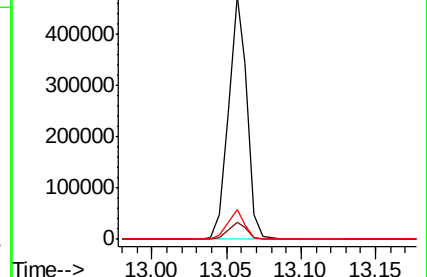
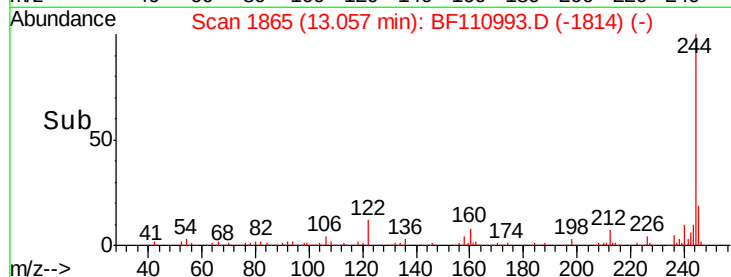
122 12.3 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 49.505 ng

RT: 13.52 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

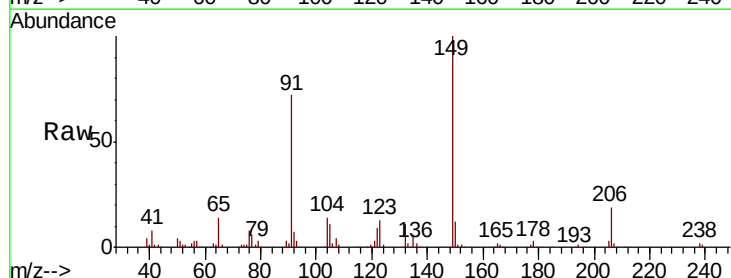
Tgt Ion:149 Resp: 141912

Ion Ratio Lower Upper

149 100

91 72.1 57.2 85.8

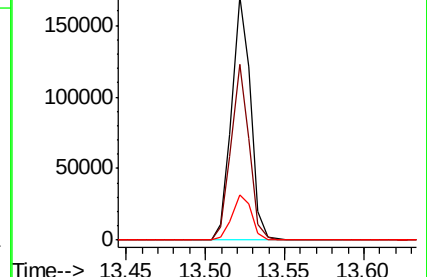
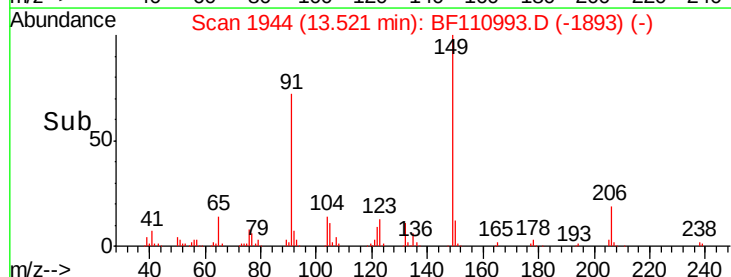
206 18.8 15.7 23.5

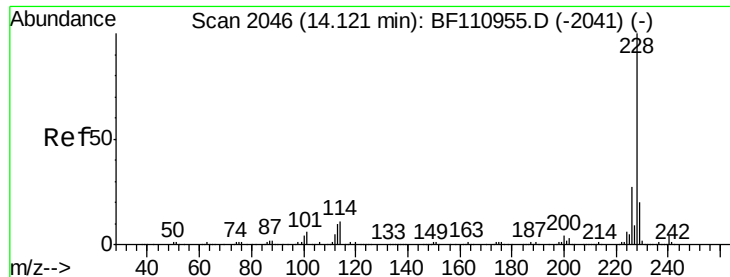


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.584 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

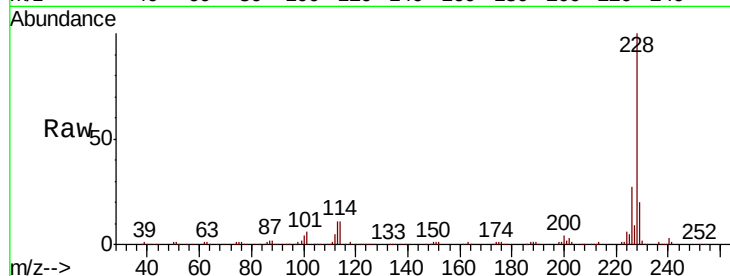
Tgt Ion:228 Resp: 213426

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

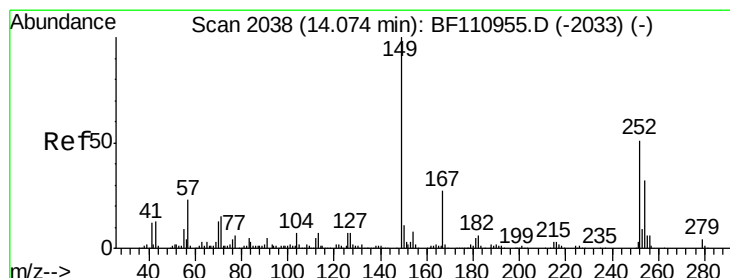
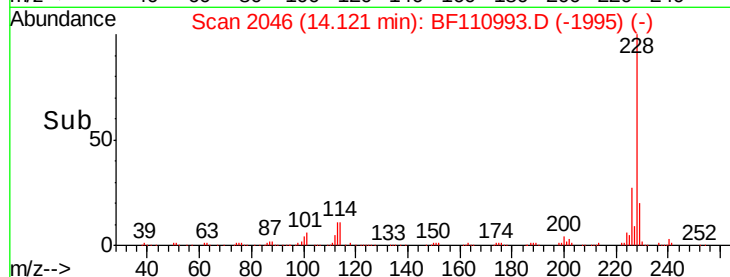
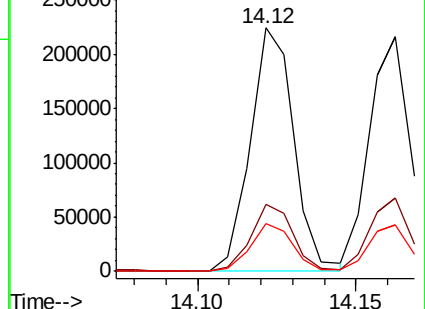
229 19.9 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 43.414 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

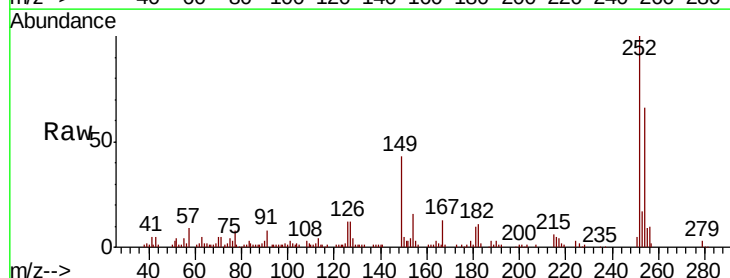
Tgt Ion:252 Resp: 76401

Ion Ratio Lower Upper

252 100

254 66.5 51.3 76.9

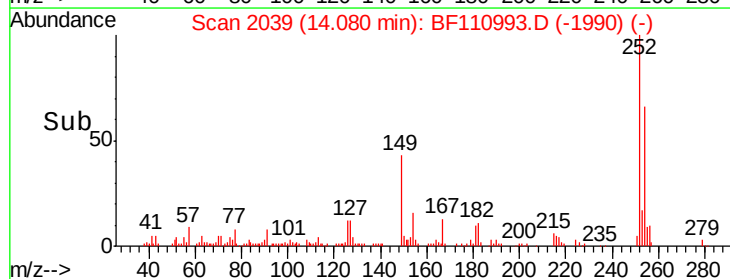
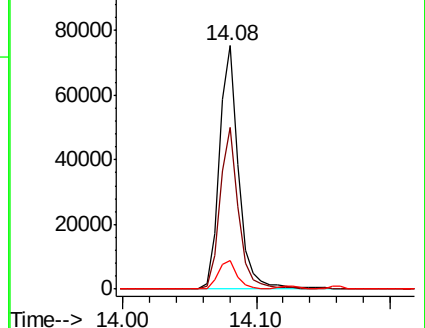
126 11.6 9.4 14.2

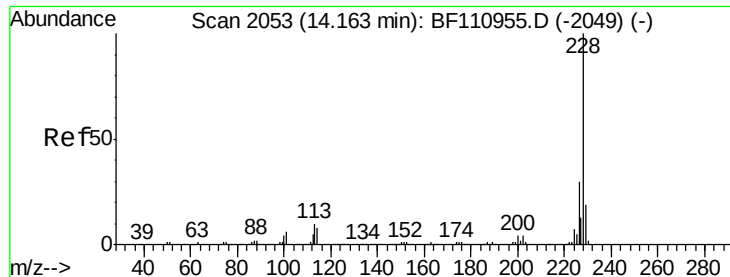


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 39.539 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

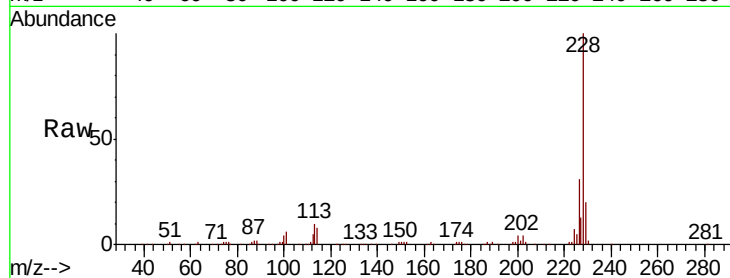
Tgt Ion:228 Resp: 199769

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

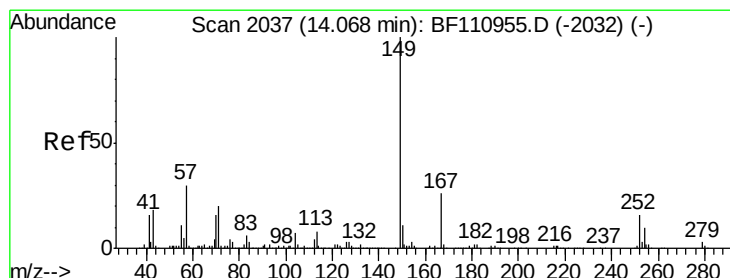
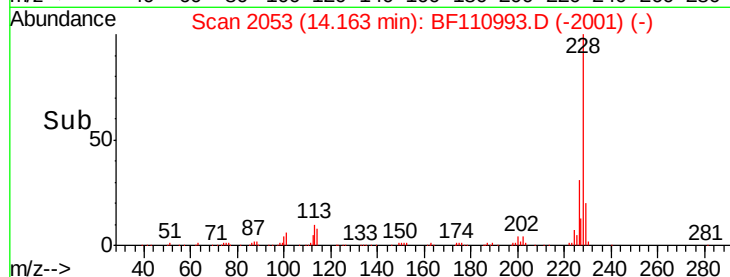
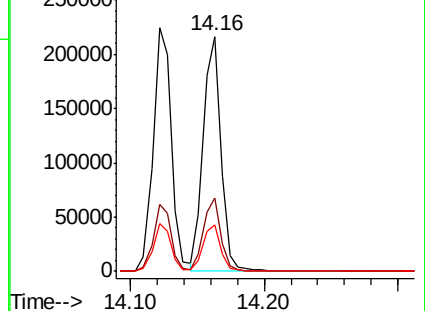
229 19.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.441 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

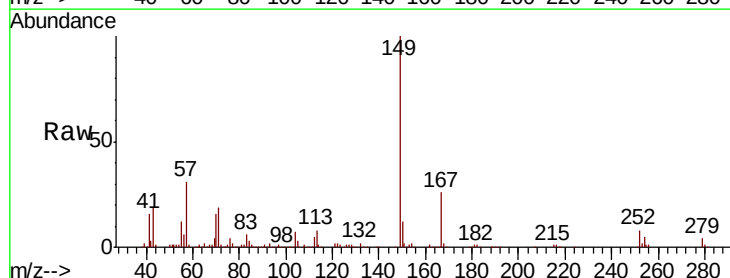
Tgt Ion:149 Resp: 185031

Ion Ratio Lower Upper

149 100

167 26.4 19.8 29.8

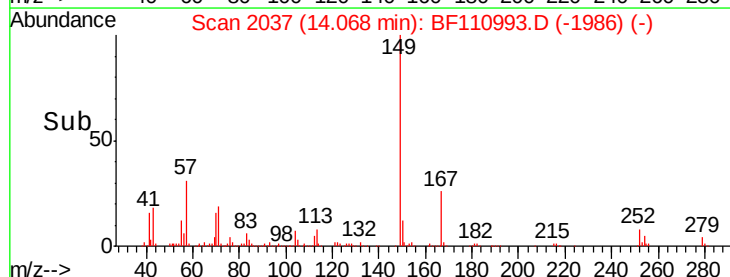
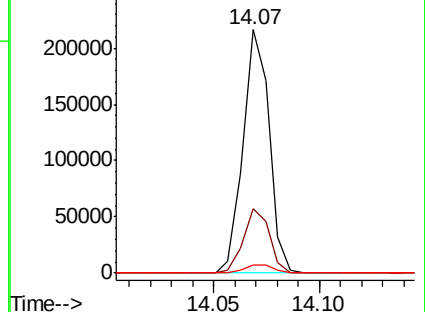
279 3.6 2.7 4.1

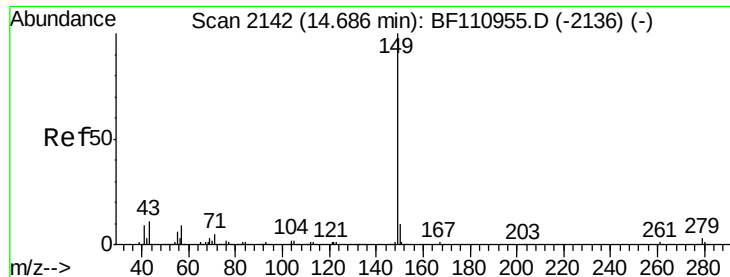


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.546 ng

RT: 14.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

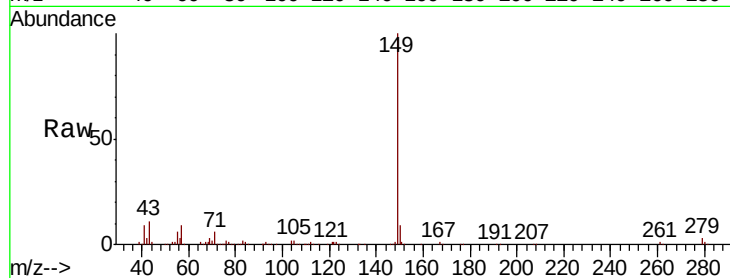
Tgt Ion:149 Resp: 274622

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

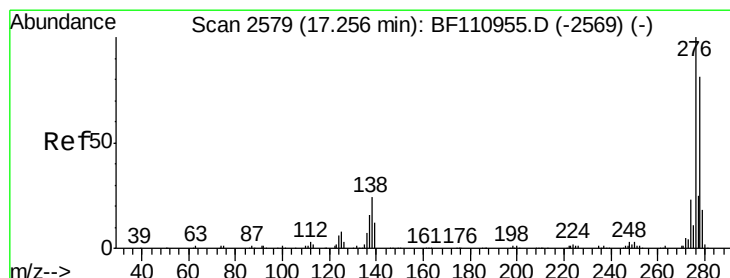
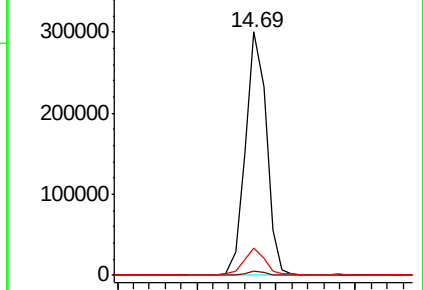
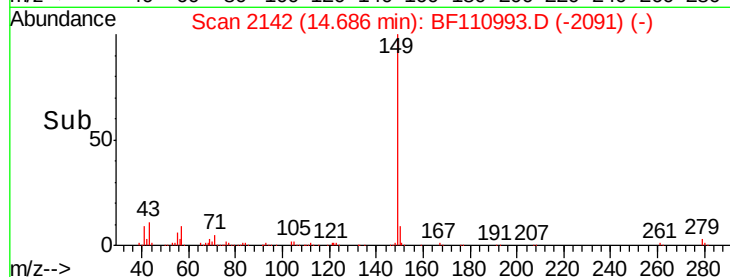
43 10.8 7.8 11.8



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: 40.803 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

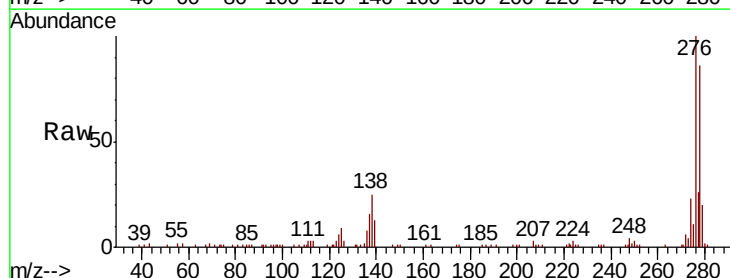
Tgt Ion:276 Resp: 147978

Ion Ratio Lower Upper

276 100

138 24.8 18.5 27.7

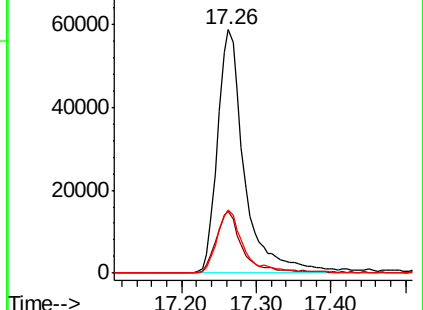
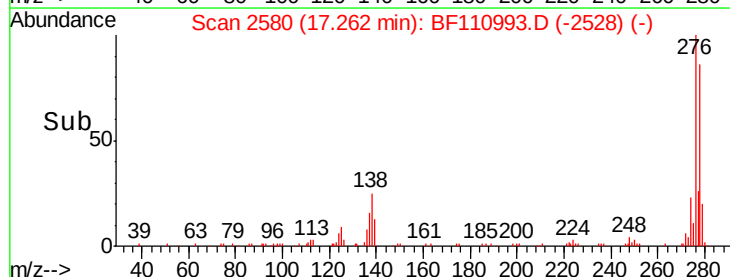
277 25.9 20.0 30.0

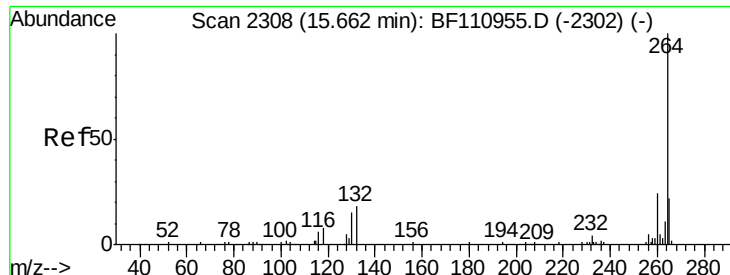


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

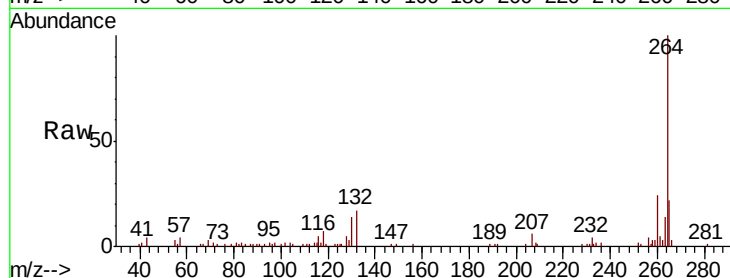
Tgt Ion:264 Resp: 65117

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

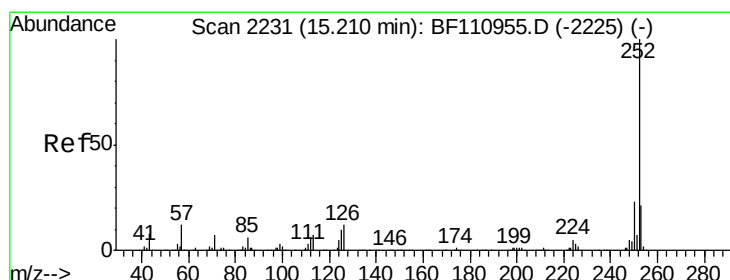
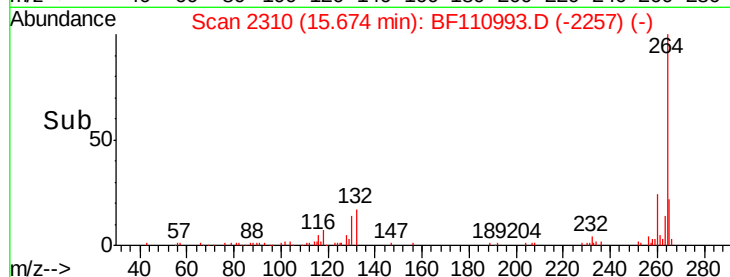
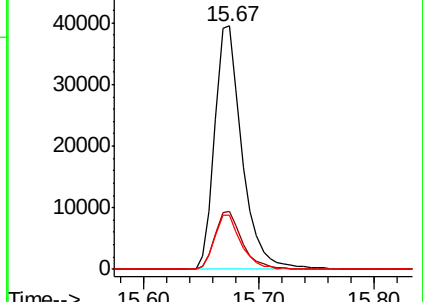
265 22.2 16.7 25.1



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: 42.217 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

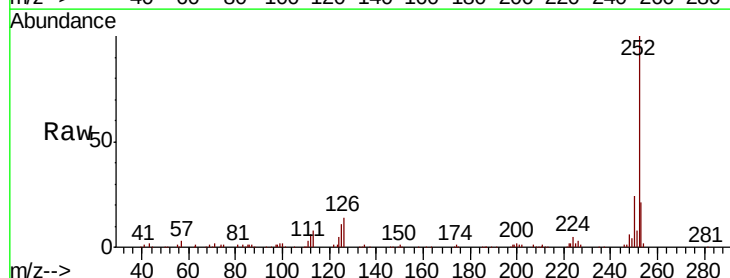
Tgt Ion:252 Resp: 161496

Ion Ratio Lower Upper

252 100

253 20.8 17.2 25.8

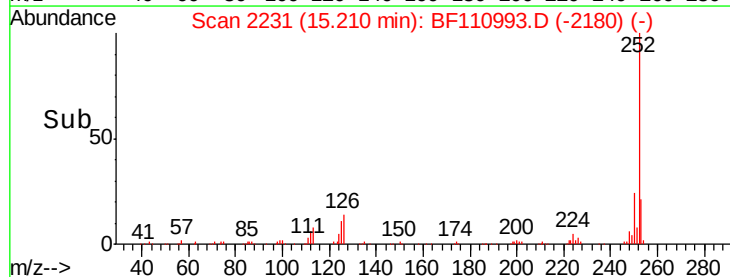
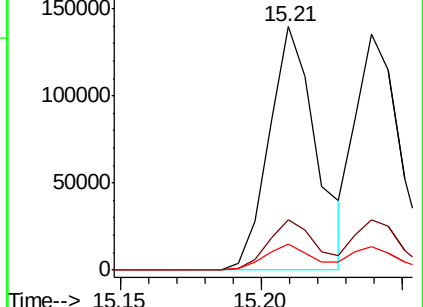
125 10.7 8.2 12.4



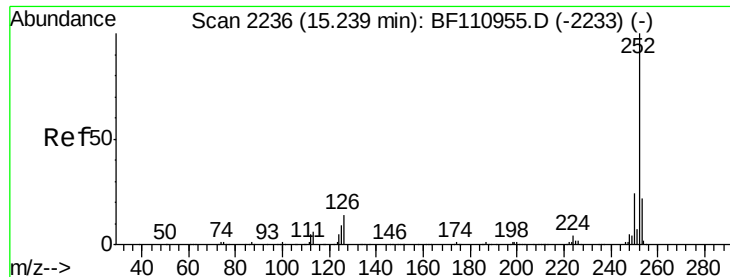
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 38.607 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

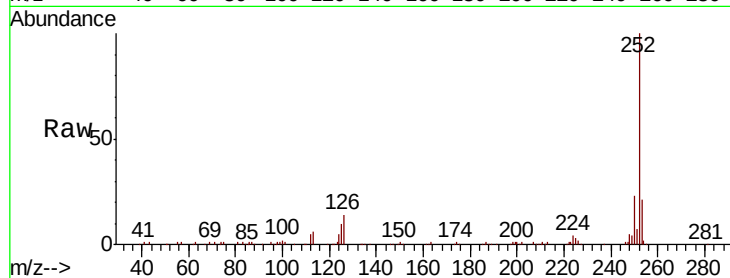
Tgt Ion:252 Resp: 152013

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

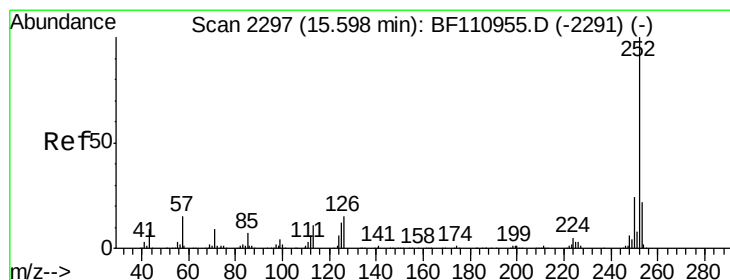
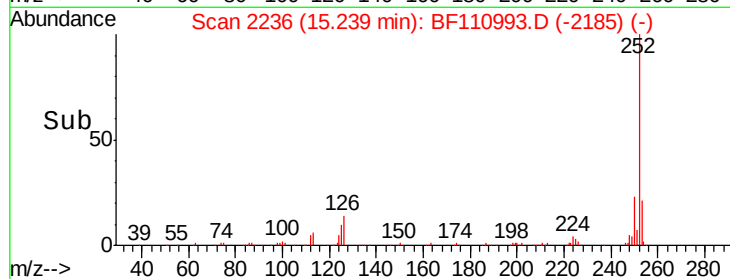
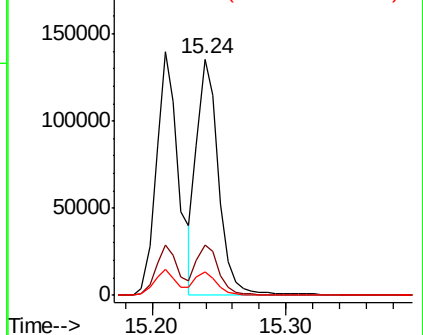
125 9.8 7.4 11.0



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: 42.012 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

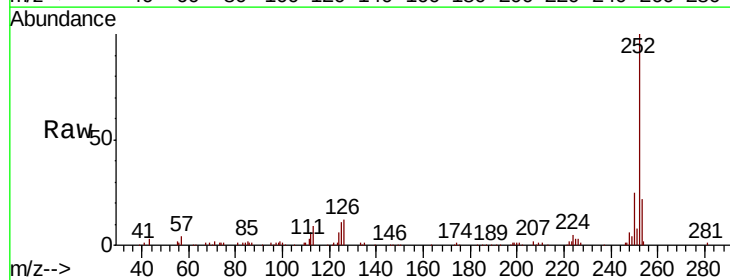
Tgt Ion:252 Resp: 149596

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

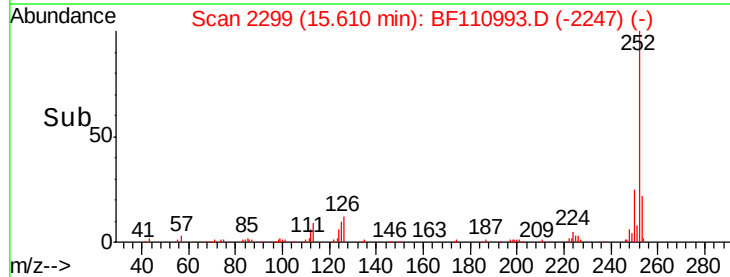
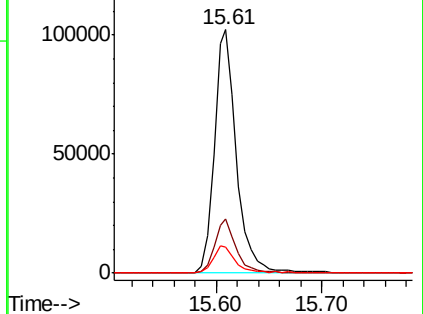
125 10.5 9.0 13.6

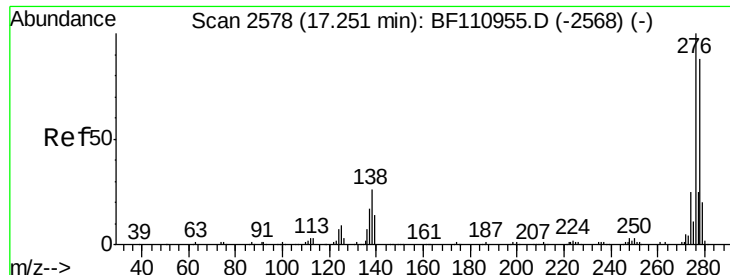


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.144 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

Instrument :

BNA\_F

ClientSampleId :

PB115071BS

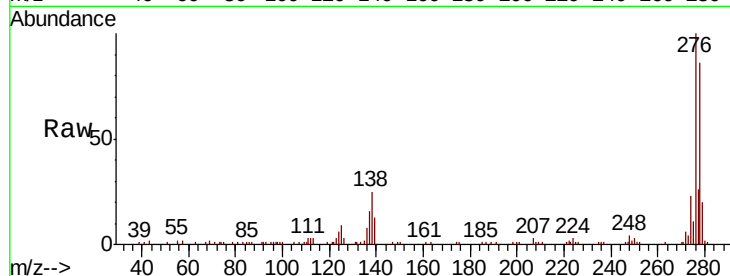
Tgt Ion:278 Resp: 129692

Ion Ratio Lower Upper

278 100

139 14.9 12.7 19.1

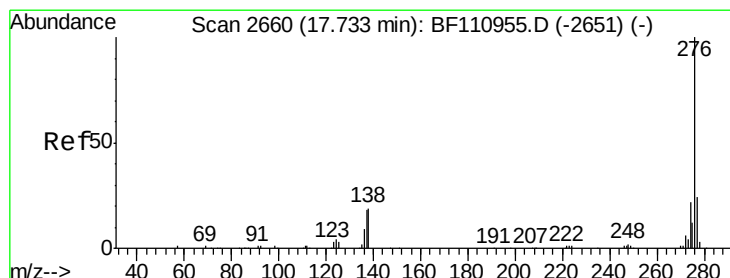
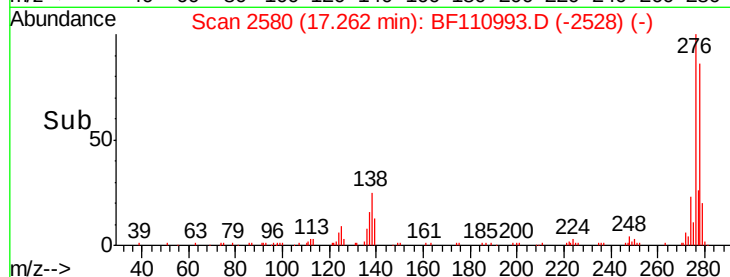
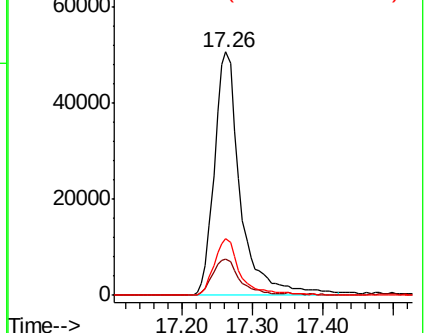
279 23.3 19.0 28.4



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: 41.536 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.02 min

Lab File: BF110993.D

Acq: 27 Nov 2018 5:42

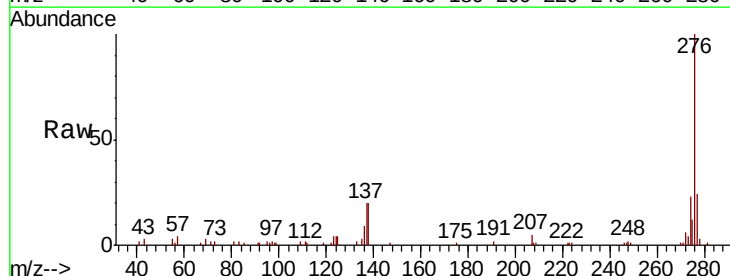
Tgt Ion:276 Resp: 117659

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 20.4 16.0 24.0



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

