

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\  
 Data File : BF110958.D  
 Acq On : 26 Nov 2018 12:21  
 Operator : JU/SJ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 26 12:47:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 26 11:30:23 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 68055    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 284447   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.98  | 164  | 135737   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.48 | 188  | 257674   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.14 | 240  | 166261   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.67 | 264  | 124533   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.56  | 112 | 645690  | 154.11 | ng | 0.00 |
| 7) Phenol-d6             | 6.58  | 99  | 814229  | 151.97 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 781594  | 158.24 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.79 | 330 | 205502  | 150.25 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.30  | 172 | 1363821 | 143.50 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.06 | 244 | 1370712 | 154.40 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.75 | 88  | 157319  | 75.360 | ng | 91     |
| 3) Pyridine                    | 3.54 | 79  | 344272  | 76.402 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.53 | 42  | 163170  | 84.394 | ng | 87     |
| 6) Aniline                     | 6.62 | 93  | 511228  | 73.169 | ng | # 55   |
| 8) 2-Chlorophenol              | 6.73 | 128 | 371689  | 75.676 | ng | 95     |
| 9) Benzaldehyde                | 6.50 | 77  | 174798  | 57.498 | ng | 97     |
| 10) Phenol                     | 6.59 | 94  | 466821  | 75.142 | ng | # 71   |
| 11) bis(2-Chloroethyl)ether    | 6.68 | 93  | 350486  | 75.279 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.88 | 146 | 405916  | 75.533 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.96 | 146 | 412441  | 75.578 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.11 | 146 | 378423  | 74.542 | ng | 98     |
| 15) Benzyl Alcohol             | 7.09 | 79  | 310318  | 74.013 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45  | 528042  | 72.220 | ng | 77     |
| 17) 2-Methylphenol             | 7.20 | 107 | 288887  | 73.904 | ng | 91     |
| 18) Hexachloroethane           | 7.45 | 117 | 155640  | 77.254 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70  | 262938  | 76.883 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.35 | 107 | 364938  | 72.727 | ng | # 87   |
| 22) Acetophenone               | 7.36 | 105 | 505467  | 76.248 | ng | # 97   |
| 24) Nitrobenzene               | 7.53 | 77  | 396632  | 78.377 | ng | 97     |
| 25) Isophorone                 | 7.77 | 82  | 646825  | 79.900 | ng | 98     |
| 26) 2-Nitrophenol              | 7.85 | 139 | 206600  | 81.835 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.87 | 122 | 299099  | 77.793 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93  | 423742  | 77.308 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.09 | 162 | 311197  | 78.661 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.16 | 180 | 344488  | 77.231 | ng | 96     |
| 31) Naphthalene                | 8.25 | 128 | 1004563 | 75.230 | ng | 99     |
| 32) Benzoic acid               | 8.06 | 122 | 246051  | 90.448 | ng | 96     |
| 33) 4-Chloroaniline            | 8.30 | 127 | 441448  | 72.985 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.35 | 225 | 197950  | 77.696 | ng | 98     |
| 35) Caprolactam                | 8.72 | 113 | 86415   | 65.379 | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.79 | 107 | 338491  | 79.333 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.94 | 142 | 665747  | 76.053 | ng | 99     |
| 38) 1-Methylnaphthalene        | 9.04 | 142 | 641757  | 76.232 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 329505  | 76.689 | ng | 99     |

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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

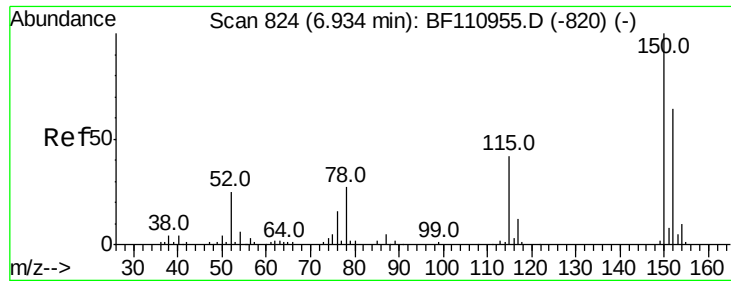
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 26 12:47:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 26 11:30:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.07  | 237  | 62133    | 45.071 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.22  | 196  | 204115   | 75.599 | ng    | 95       |
| 44) 2,4,5-Trichlorophenol      | 9.27  | 196  | 211794   | 73.538 | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.40  | 154  | 940217   | 74.253 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.43  | 162  | 691744   | 75.829 | ng    | 96       |
| 48) 2-Nitroaniline             | 9.54  | 65   | 226014   | 80.399 | ng    | 98       |
| 49) Acenaphthylene             | 9.85  | 152  | 953403   | 72.571 | ng    | 99       |
| 50) Dimethylphthalate          | 9.70  | 163  | 746079   | 73.663 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.78  | 165  | 173129   | 77.705 | ng    | # 87     |
| 52) Acenaphthene               | 10.02 | 154  | 620739   | 74.766 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.96  | 138  | 203457   | 78.820 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 10.07 | 184  | 62664    | 79.607 | ng    | 91       |
| 55) Dibenzofuran               | 10.19 | 168  | 872240   | 71.807 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.12 | 139  | 115416   | 67.396 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.20 | 165  | 214604   | 74.080 | ng    | 96       |
| 58) Fluorene                   | 10.54 | 166  | 698082   | 74.820 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.32 | 232  | 163754   | 72.276 | ng    | 92       |
| 60) Diethylphthalate           | 10.40 | 149  | 770862   | 76.931 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.52 | 204  | 362247   | 74.986 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.59 | 138  | 185660   | 71.426 | ng    | 98       |
| 63) Azobenzene                 | 10.69 | 77   | 753408   | 77.066 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 109315   | 84.176 | ng    | 83       |
| 66) n-Nitrosodiphenylamine     | 10.65 | 169  | 656789   | 75.621 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether  | 11.02 | 248  | 214235   | 75.228 | ng    | 97       |
| 68) Hexachlorobenzene          | 11.09 | 284  | 228241   | 76.018 | ng    | 99       |
| 69) Atrazine                   | 11.16 | 200  | 100276   | 37.760 | ng    | 97       |
| 70) Pentachlorophenol          | 11.29 | 266  | 98114    | 61.241 | ng    | 97       |
| 71) Phenanthrene               | 11.51 | 178  | 1009704  | 73.141 | ng    | 99       |
| 72) Anthracene                 | 11.56 | 178  | 1026783  | 73.733 | ng    | 99       |
| 73) Carbazole                  | 11.72 | 167  | 995723   | 74.453 | ng    | 99       |
| 74) Di-n-butylphthalate        | 12.02 | 149  | 1166849  | 74.402 | ng    | 99       |
| 75) Fluoranthene               | 12.70 | 202  | 1021639  | 73.816 | ng    | 99       |
| 77) Benzidine                  | 12.82 | 184  | 202289   | 44.243 | ng    | 97       |
| 78) Pyrene                     | 12.93 | 202  | 1030050  | 80.462 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.53 | 149  | 465393   | 84.464 | ng    | 96       |
| 81) Benzo(a)anthracene         | 14.13 | 228  | 774024   | 77.889 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 14.08 | 252  | 220730   | 66.305 | ng    | 100      |
| 83) Chrysene                   | 14.16 | 228  | 738181   | 77.969 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149  | 603736   | 88.326 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.69 | 149  | 889667   | 88.511 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 593988   | 87.430 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.21 | 252  | 596763   | 80.103 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.24 | 252  | 560743   | 76.173 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.60 | 252  | 536725   | 79.293 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.26 | 278  | 499074   | 87.127 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.74 | 276  | 497170   | 87.478 | ng    | 99       |

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



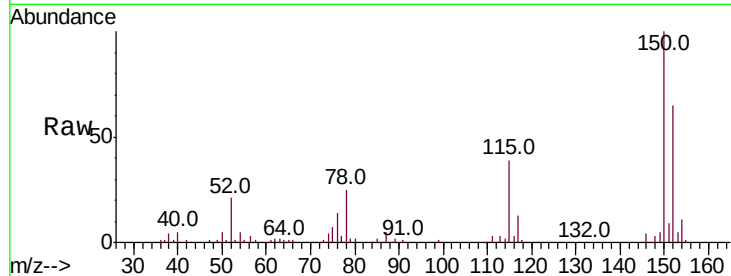


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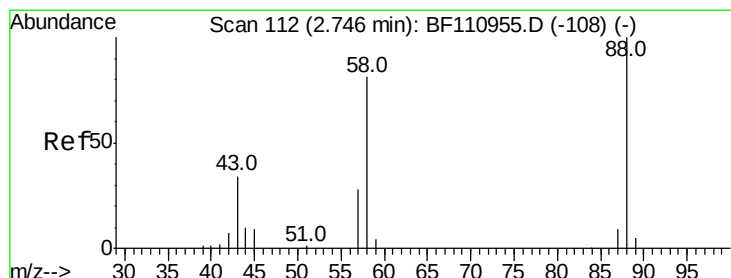
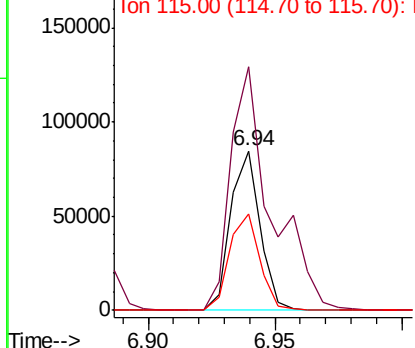
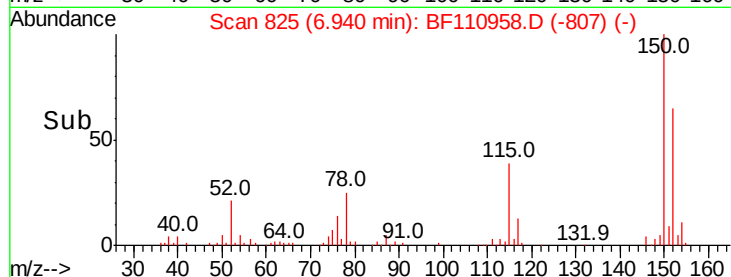
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 68055  
Ion Ratio Lower Upper  
152 100  
150 152.7 122.7 184.1  
115 60.3 49.1 73.7



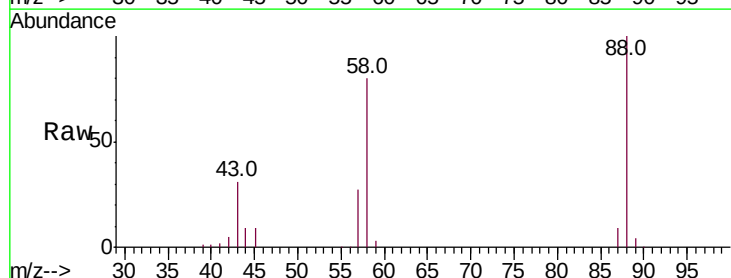
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



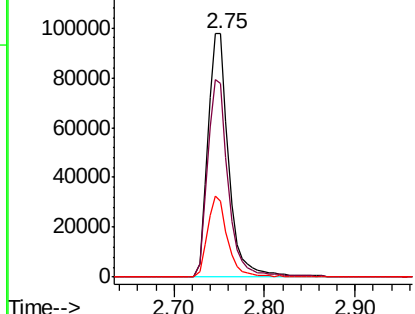
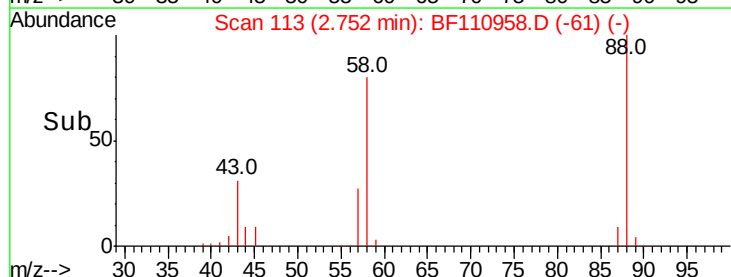
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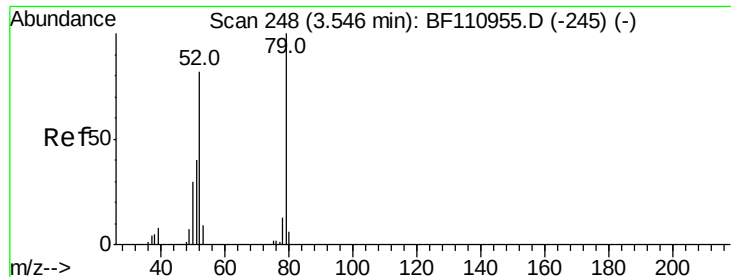
1,4-Dioxane  
Concen: 75.360 ng  
RT: 2.75 min Scan# 113  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion: 88 Resp: 157319  
Ion Ratio Lower Upper  
88 100  
58 81.0 57.1 85.7  
43 32.1 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

Pvridine

Concen: 76.402 ng

RT: 3.54 min Scan# 247

Delta R.T. -0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

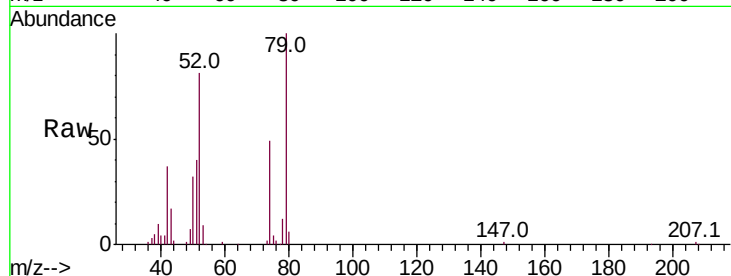
Tot Ion: 79 Resp: 344272

Ion Ratio Lower Upper

79 100

52 80.5 53.1 79.7#

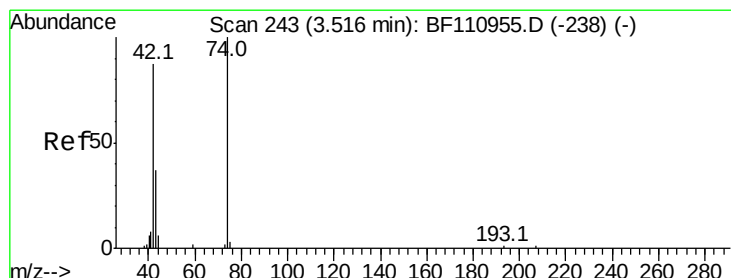
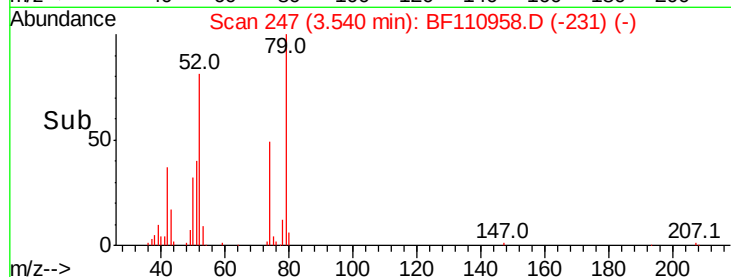
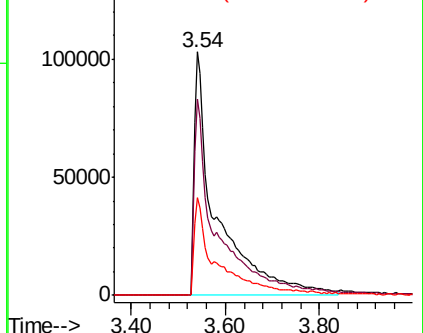
51 40.2 27.4 41.2



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: 84.394 ng

RT: 3.53 min Scan# 246

Delta R.T. 0.02 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

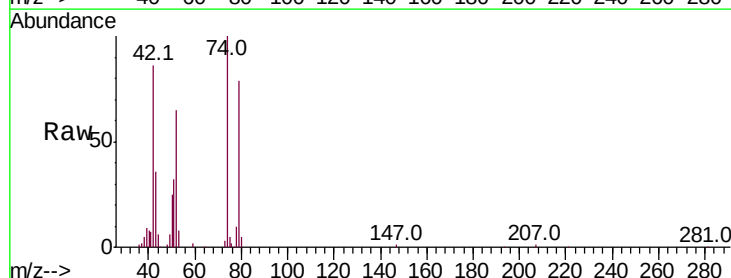
Tgt Ion: 42 Resp: 163170

Ion Ratio Lower Upper

42 100

74 115.9 105.5 158.3

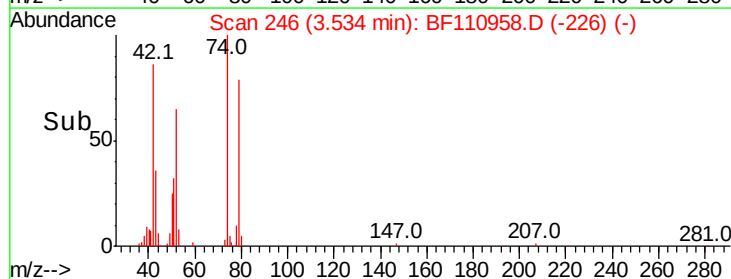
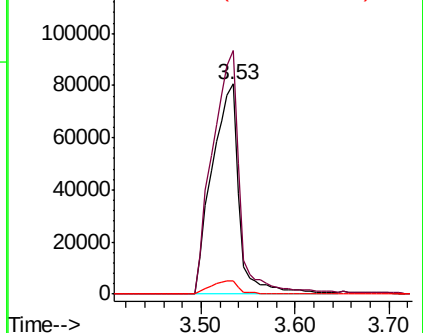
44 6.5 4.9 7.3

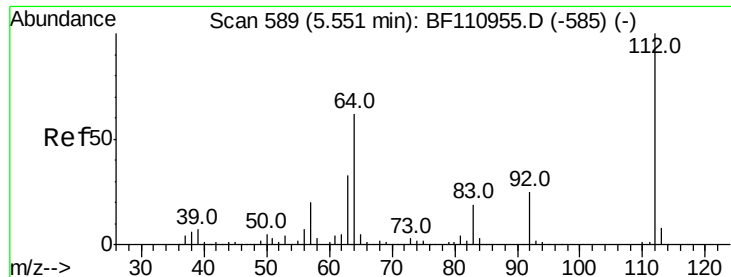


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1

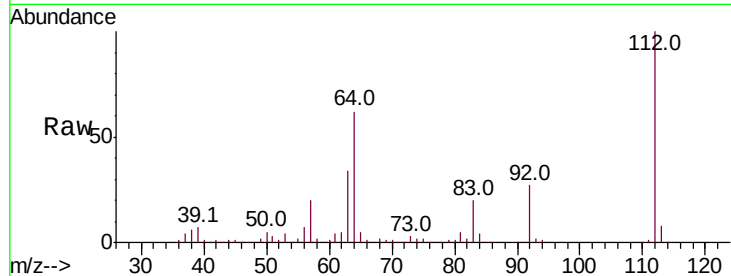




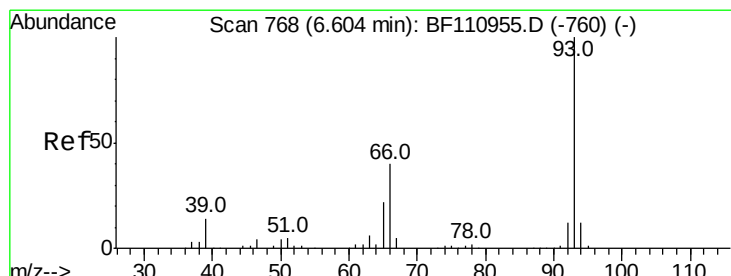
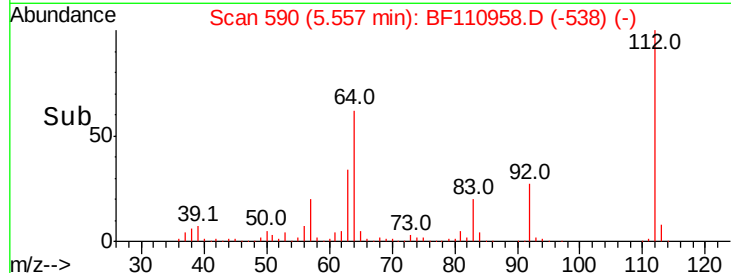
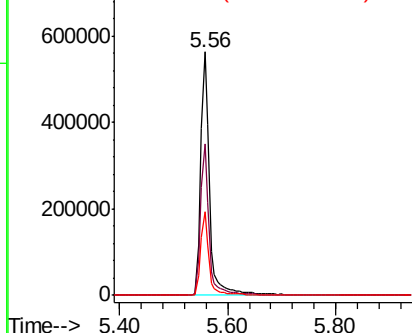
#5  
 2-Fluorophenol  
 Concen: 154.111 ng  
 RT: 5.56 min Scan# 590  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.3  | 44.1  | 66.1  |
| 63      | 34.1  | 23.7  | 35.5  |

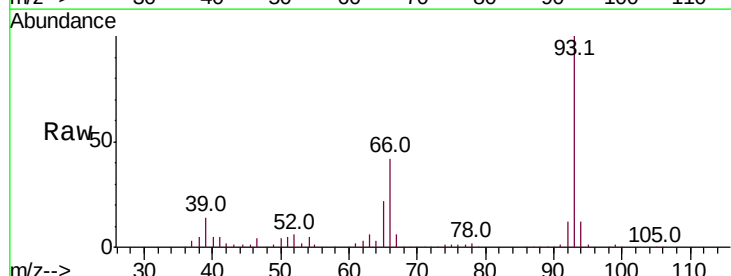


Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1

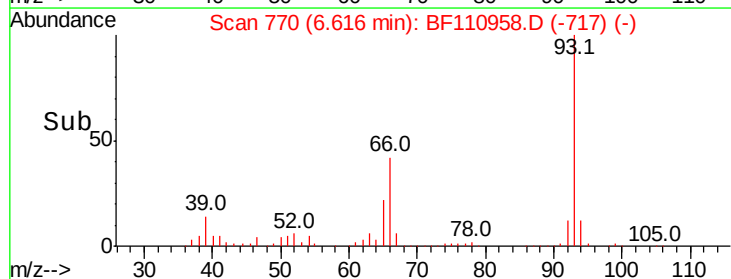
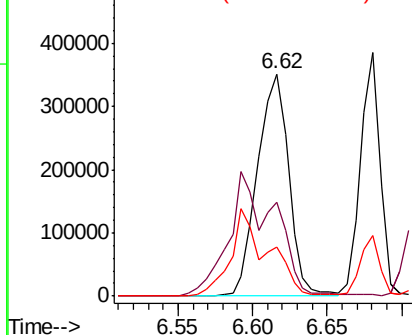


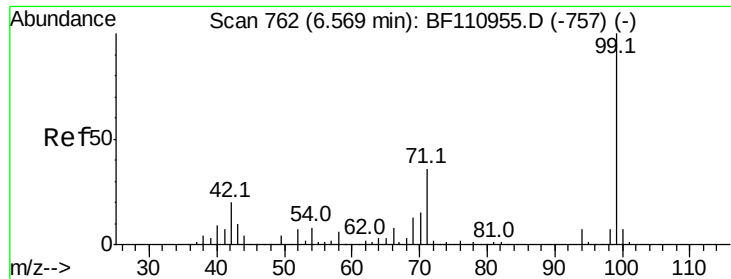
#6  
 Aniline  
 Concen: 73.169 ng  
 RT: 6.62 min Scan# 770  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 93      | 100   |       |        |
| 66      | 42.0  | 67.4  | 101.0# |
| 65      | 22.0  | 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: 151.974 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

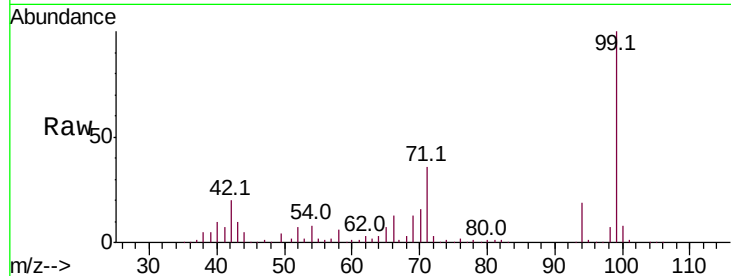
Tot Ion: 99 Resp: 814229

Ion Ratio Lower Upper

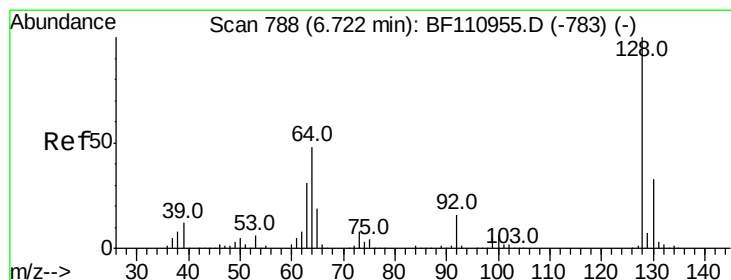
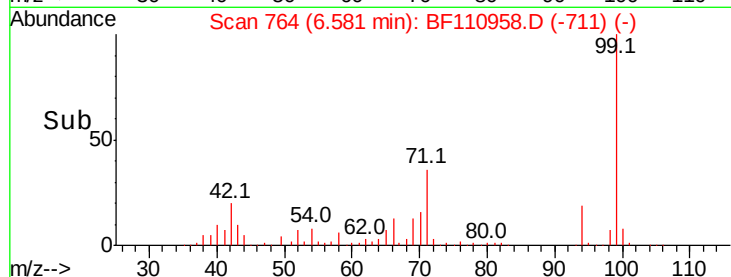
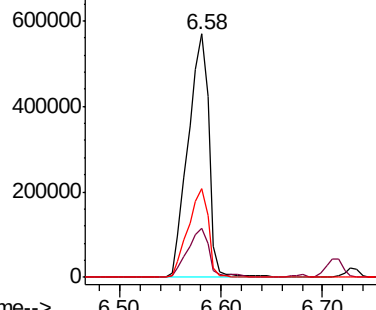
99 100

42 20.0 15.8 23.6

71 36.5 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: 75.676 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

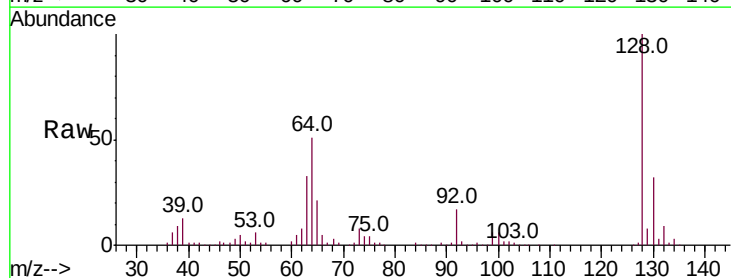
Tgt Ion: 128 Resp: 371689

Ion Ratio Lower Upper

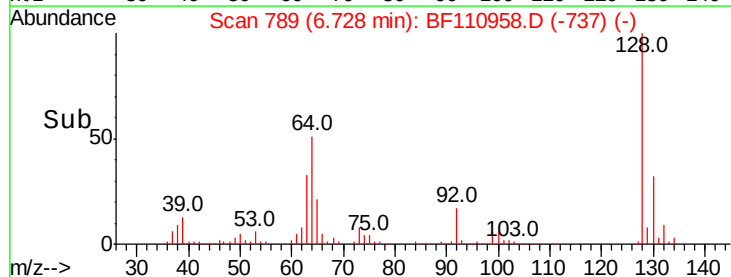
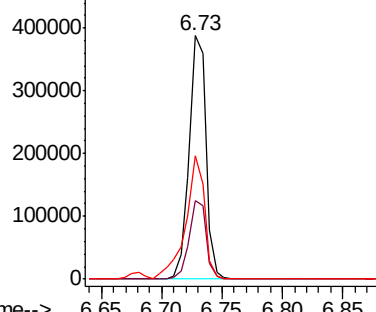
128 100

130 32.2 13.1 53.1

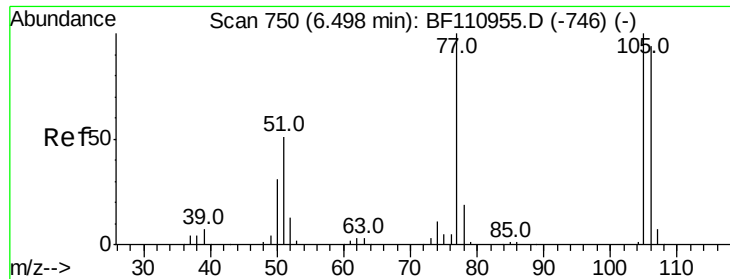
64 50.6 26.0 66.0



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: 57.498 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

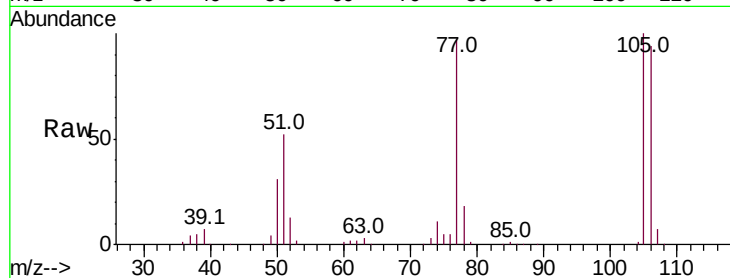
Tot Ion: 77 Resp: 174798

Ion Ratio Lower Upper

77 100

105 103.0 78.6 118.6

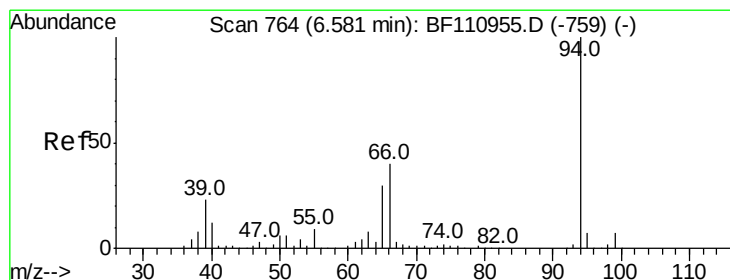
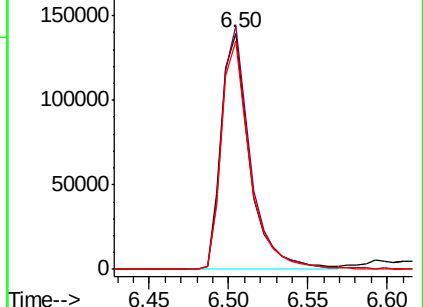
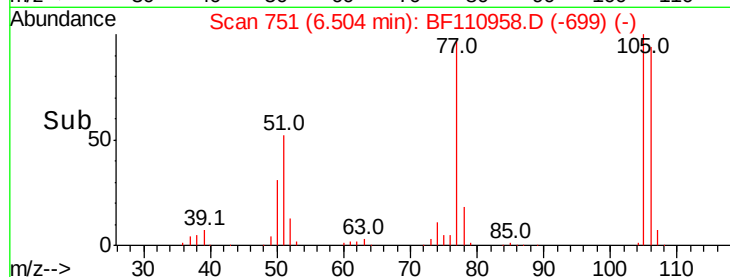
106 96.7 74.8 114.8



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: 75.142 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

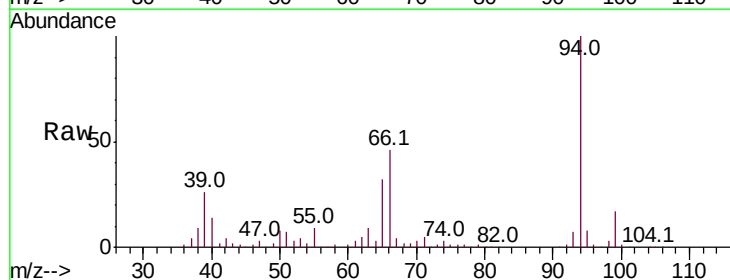
Tgt Ion: 94 Resp: 466821

Ion Ratio Lower Upper

94 100

65 32.3 25.3 65.3

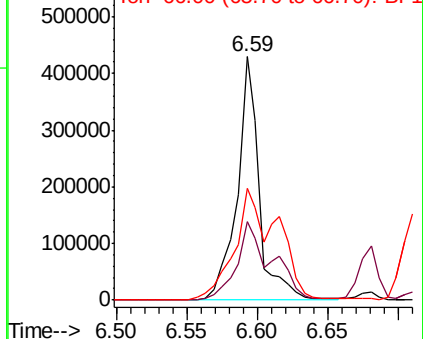
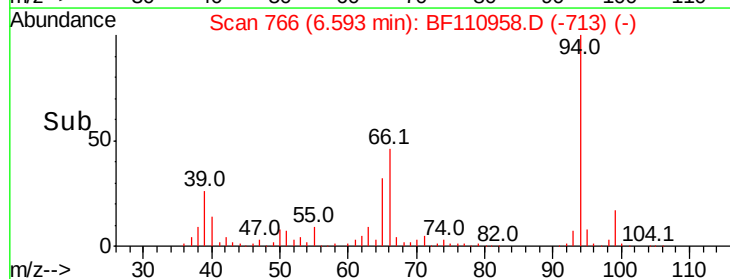
66 45.7 54.5 94.5#



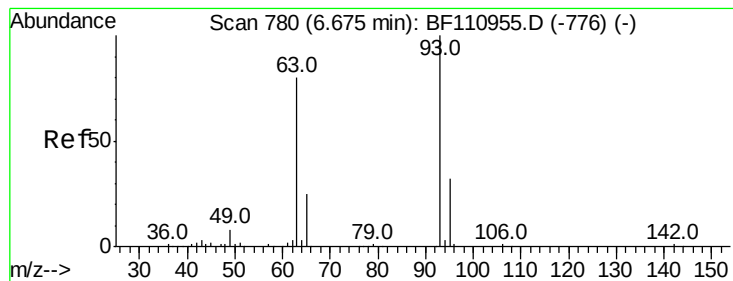
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



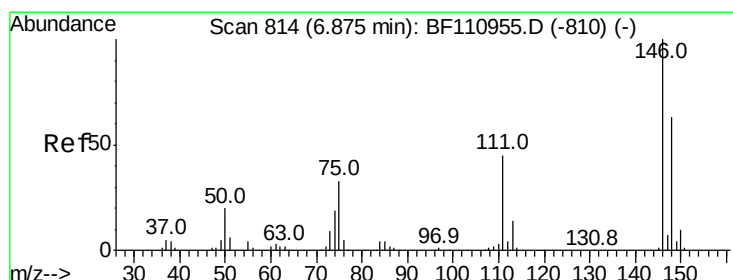
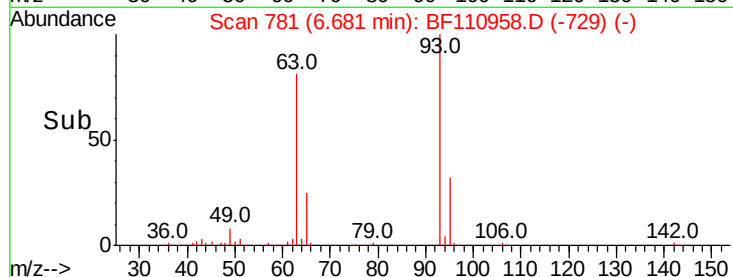
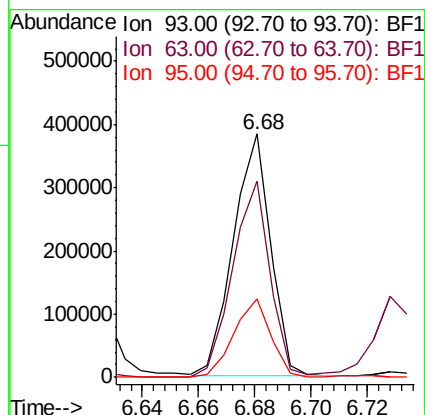
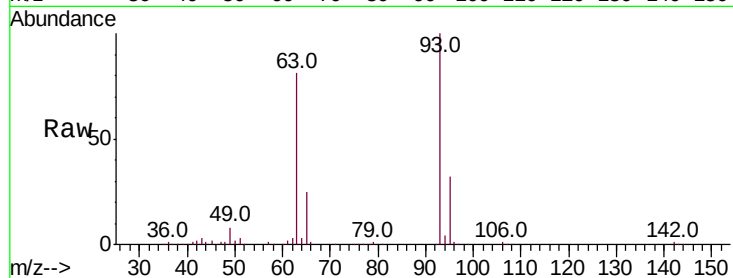




#11  
bis(2-Chloroethyl)ether  
Concen: 75.279 ng  
RT: 6.68 min Scan# 781  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

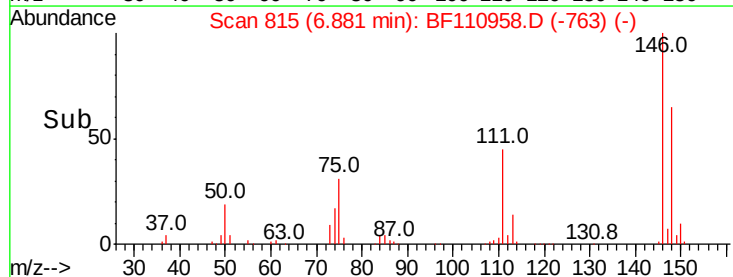
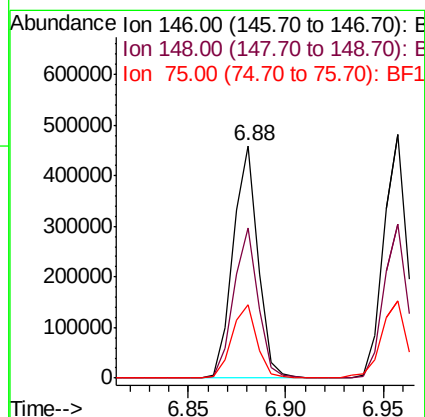
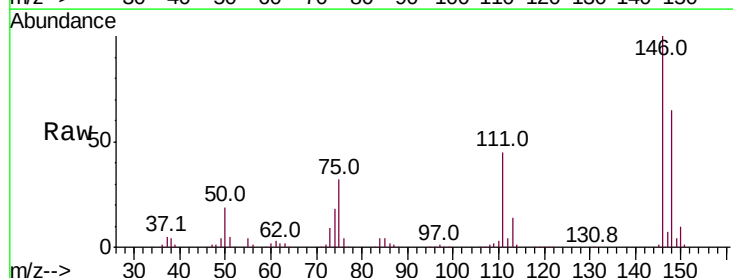
Instrument :  
BNA\_F  
ClientSampled :

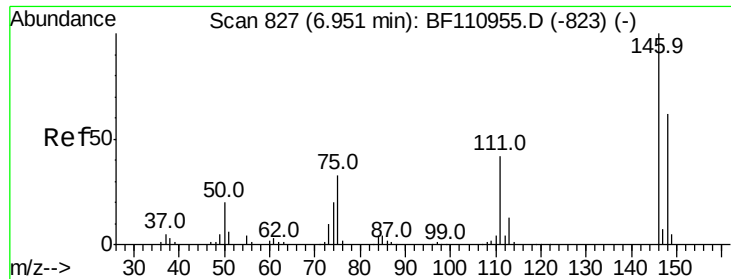
Tot Ion: 93 Resp: 350486  
Ion Ratio Lower Upper  
93 100  
63 80.8 53.4 93.4  
95 32.4 12.1 52.1



#12  
1,3-Dichlorobenzene  
Concen: 75.533 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion: 146 Resp: 405916  
Ion Ratio Lower Upper  
146 100  
148 64.6 50.4 75.6  
75 31.6 25.8 38.6

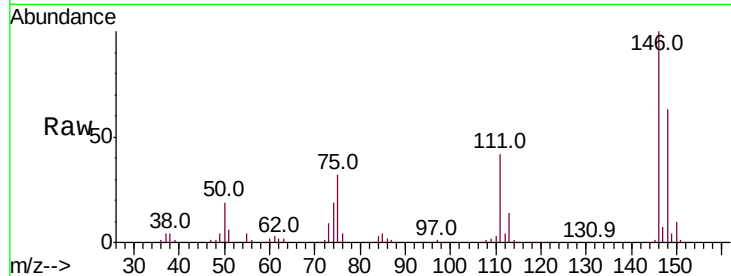




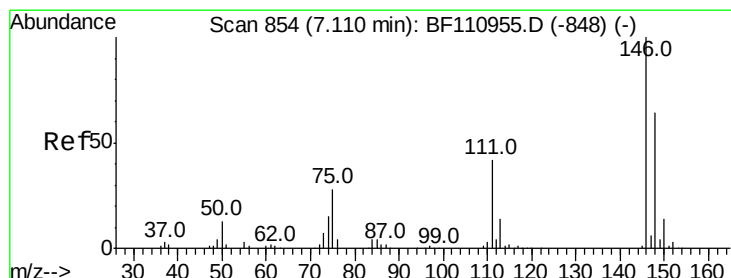
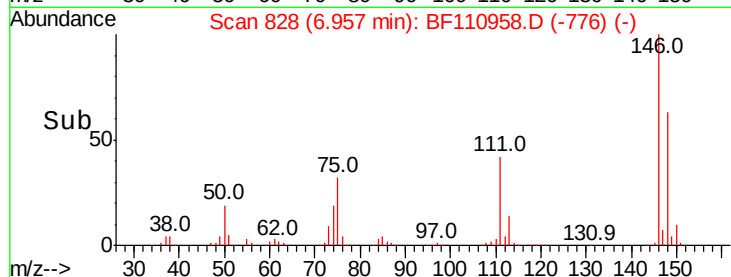
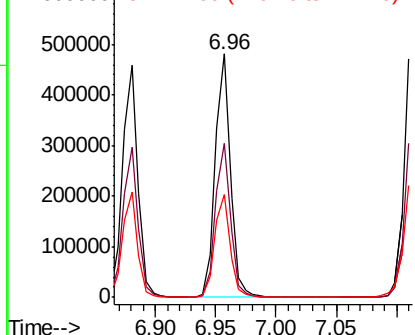
#13  
 1,4-Dichlorobenzene  
 Concen: 75.578 ng  
 RT: 6.96 min Scan# 828  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:146 Resp: 412441  
 Ion Ratio Lower Upper  
 146 100  
 148 63.5 50.3 75.5  
 111 42.5 32.7 49.1

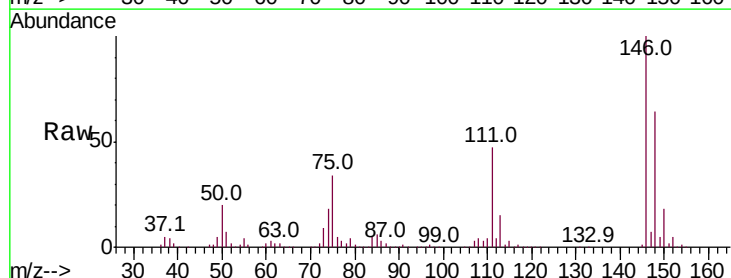


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

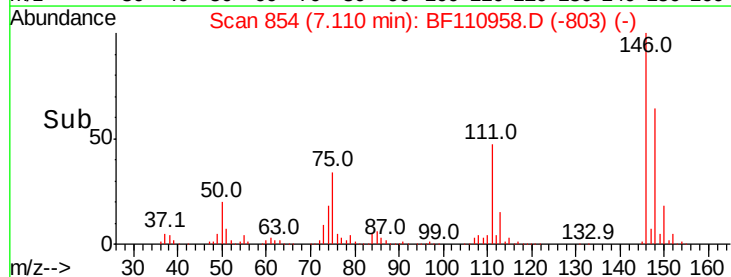
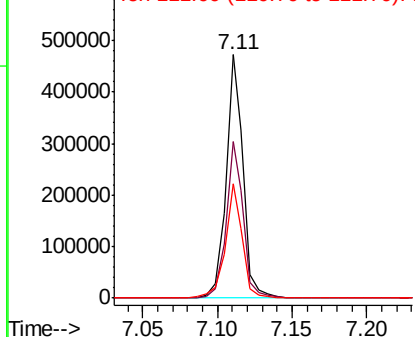


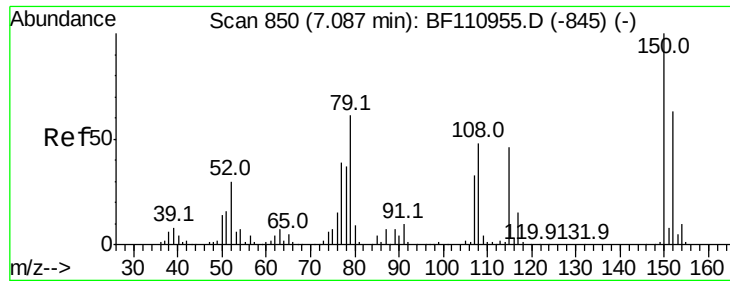
#14  
 1,2-Dichlorobenzene  
 Concen: 74.542 ng  
 RT: 7.11 min Scan# 854  
 Delta R.T. 0.00 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Tgt Ion:146 Resp: 378423  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 51.1 76.7  
 111 46.7 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

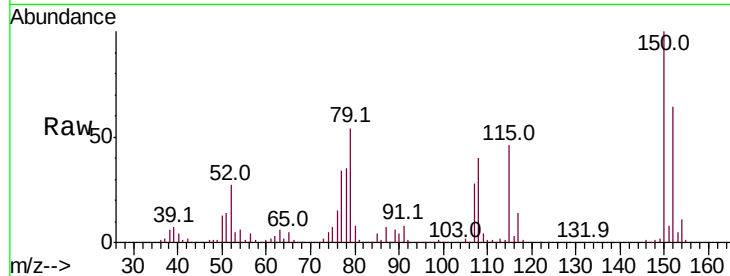




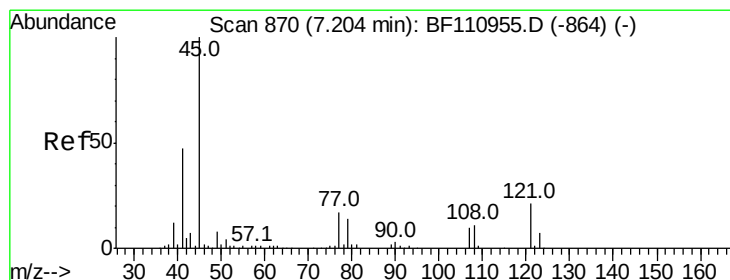
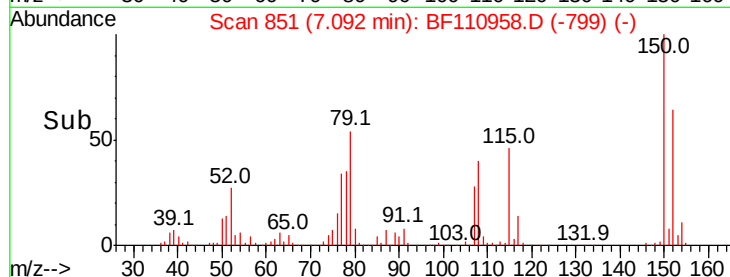
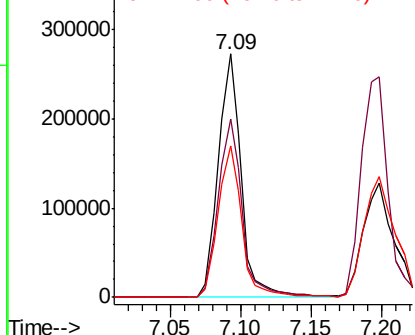
#15  
Benzyl Alcohol  
Concen: 74.013 ng  
RT: 7.09 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 79 Resp: 310318  
Ion Ratio Lower Upper  
79 100  
108 73.0 56.3 84.5  
77 62.4 52.9 79.3

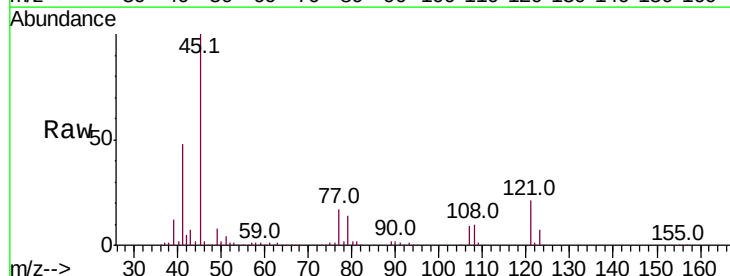


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

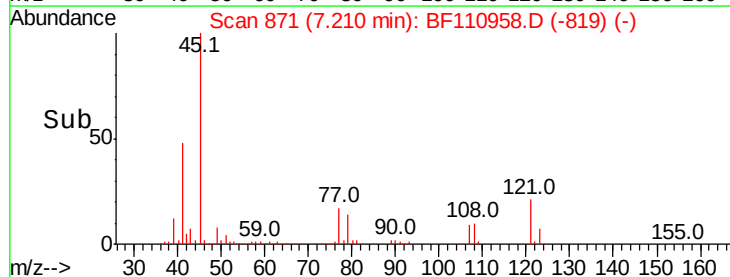
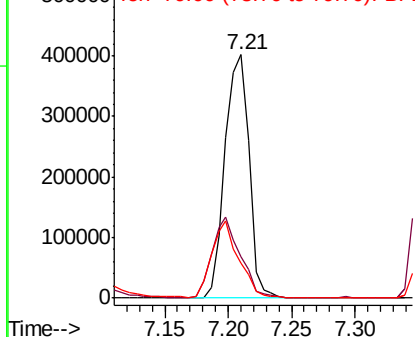


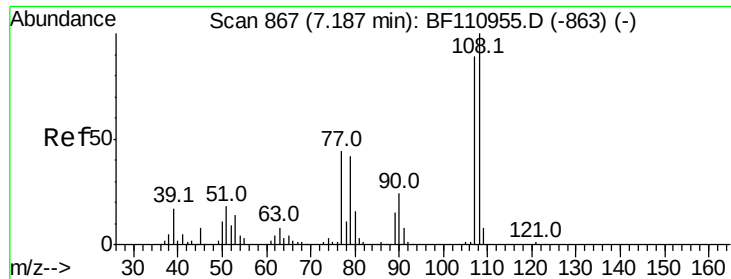
#16  
2,2'-oxybis(1-chloropropane)  
Concen: 72.220 ng  
RT: 7.21 min Scan# 871  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion: 45 Resp: 528042  
Ion Ratio Lower Upper  
45 100  
77 17.2 10.0 50.0  
79 14.3 6.1 46.1



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 73.904 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 288887

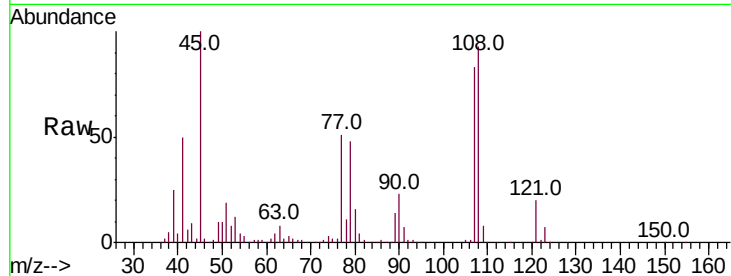
Ion Ratio Lower Upper

107 100

108 112.8 92.6 138.8

77 61.4 59.4 89.2

79 58.2 54.0 81.0

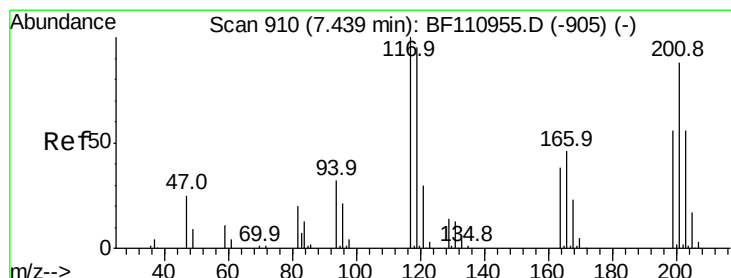
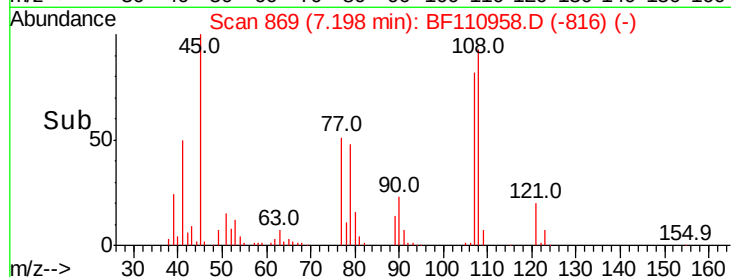
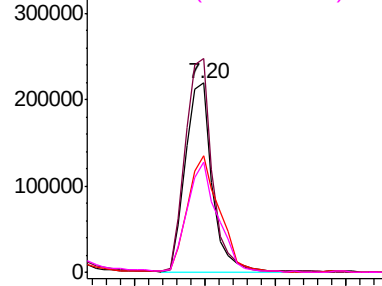


Abundance Ion 107.00 (106.70 to 107.70): E

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: 77.254 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

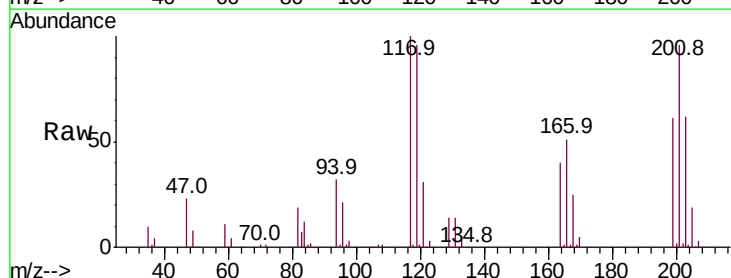
Tgt Ion:117 Resp: 155640

Ion Ratio Lower Upper

117 100

119 96.5 75.0 112.6

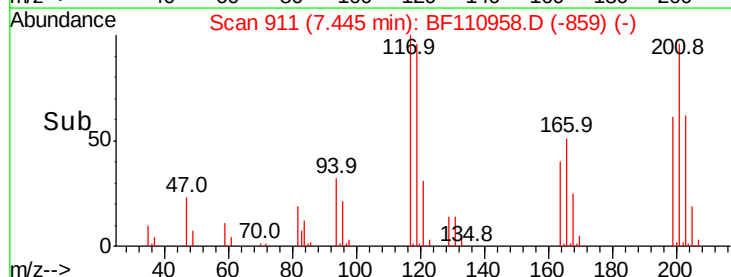
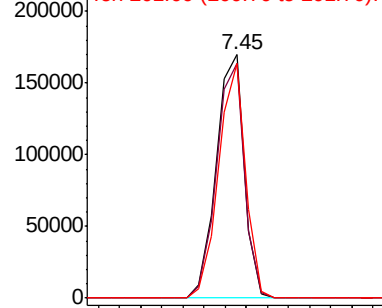
201 96.5 79.2 118.8

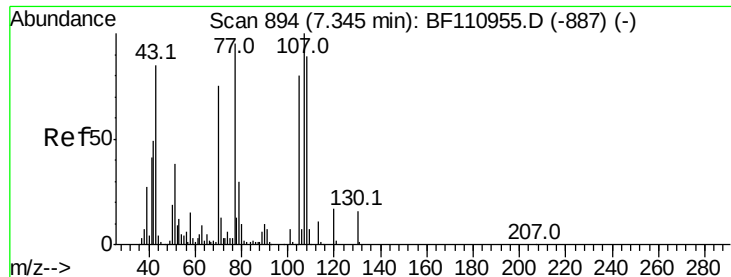


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

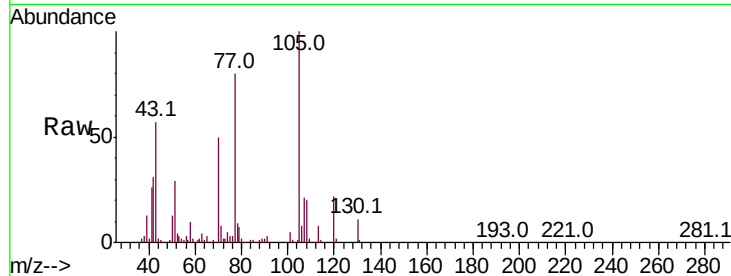




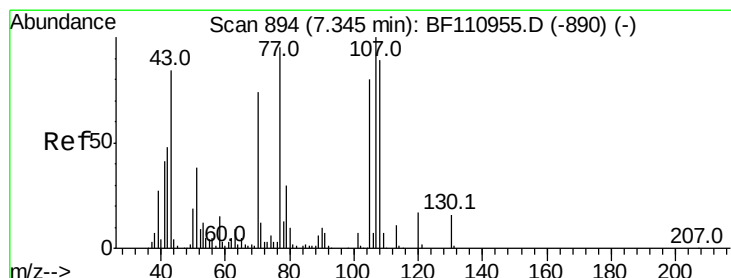
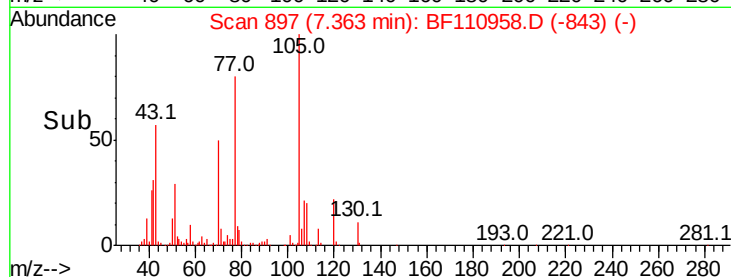
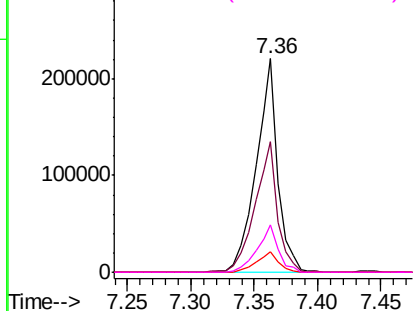
#19  
n-Nitroso-di-n-propylamine  
Concen: 76.883 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.02 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 262938 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 61.1  | 47.4  | 71.2   |
| 101      | 9.6   | 7.3   | 10.9   |
| 130      | 22.3  | 16.2  | 24.2   |

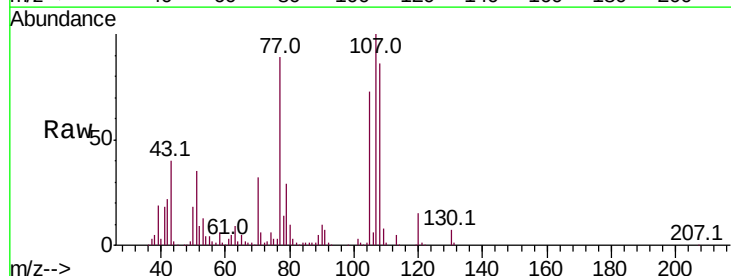


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

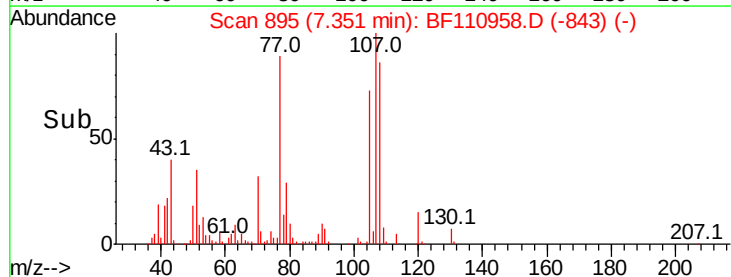
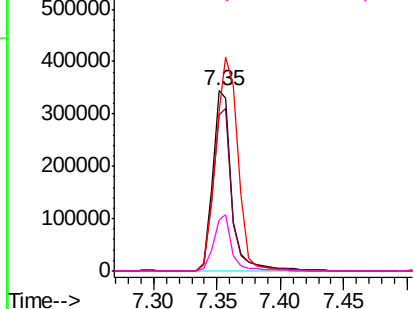


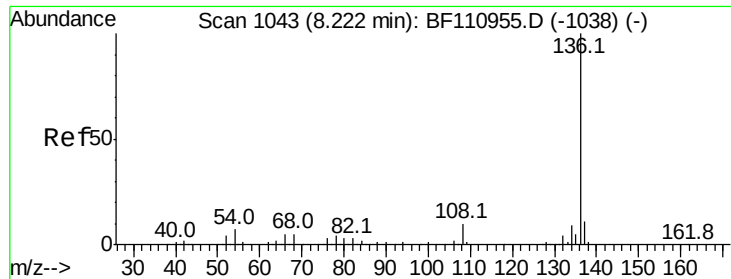
#20  
3+4-Methylphenols  
Concen: 72.727 ng  
RT: 7.35 min Scan# 895  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 364938 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.4  | 71.4  | 111.4  |
| 77       | 88.7  | 47.3  | 87.3#  |
| 79       | 28.7  | 10.9  | 50.9   |



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

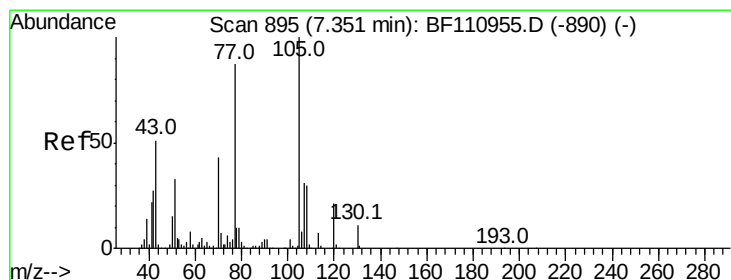
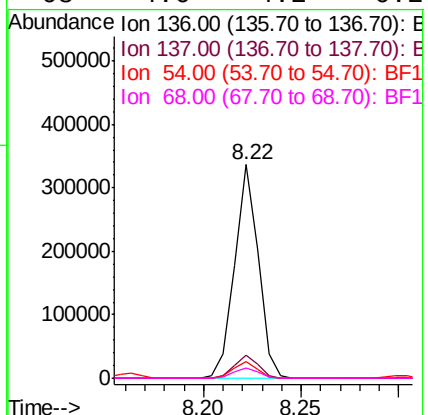
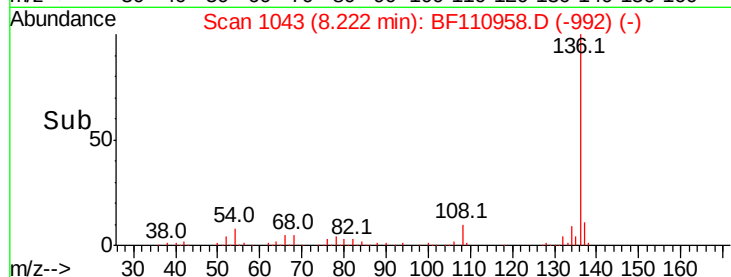
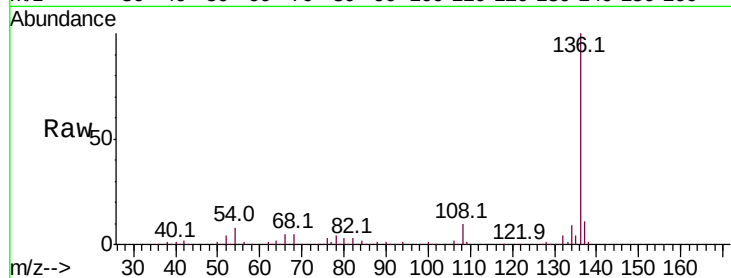




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

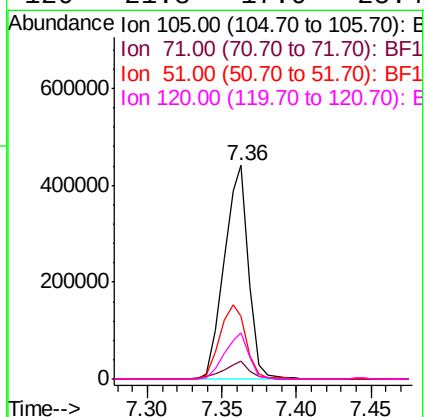
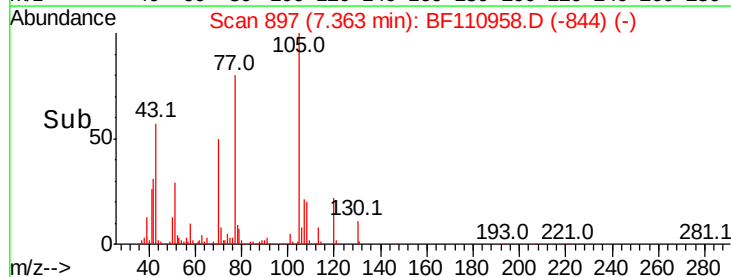
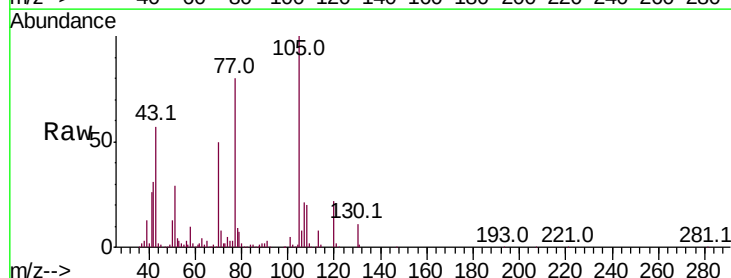
Instrument :  
BNA\_F  
ClientSampleId :

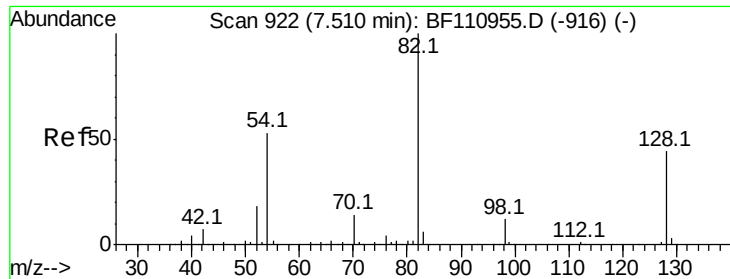
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 284447 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.8   | 13.2   |
| 54       | 7.9   | 5.4   | 8.2    |
| 68       | 4.6   | 4.2   | 6.2    |



#22  
Acetophenone  
Concen: 76.248 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 505467 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 8.2   | 5.2   | 7.8#   |
| 51       | 29.5  | 21.8  | 32.8   |
| 120      | 21.8  | 17.0  | 25.4   |

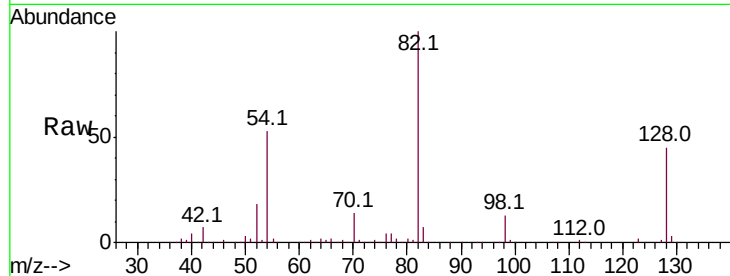




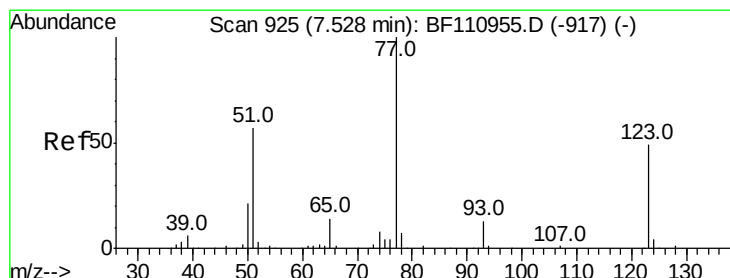
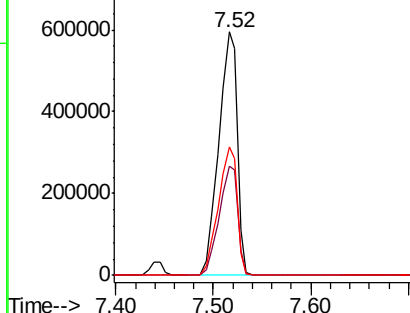
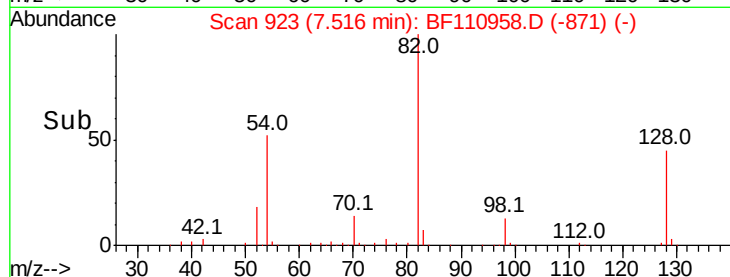
#23  
 Nitrobenzene-d5  
 Concen: 158.243 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 82   | Resp | 781594 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 34.2 |      |        |
| Upper     | 51.2 |      |        |
| 54        | 52.5 |      | 58.0   |

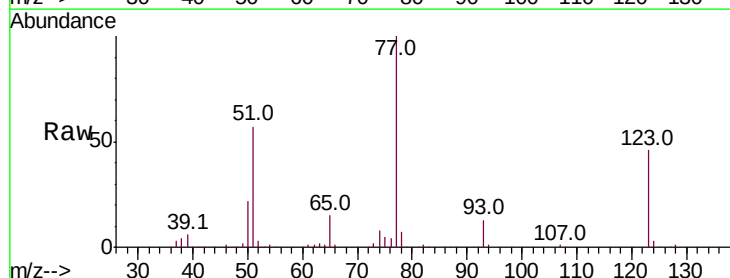


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

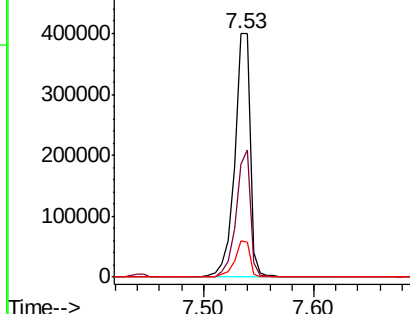
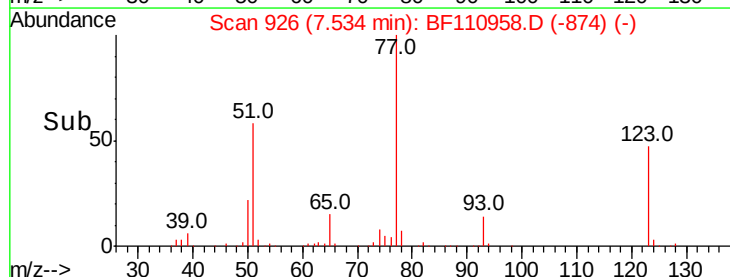


#24  
 Nitrobenzene  
 Concen: 78.377 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

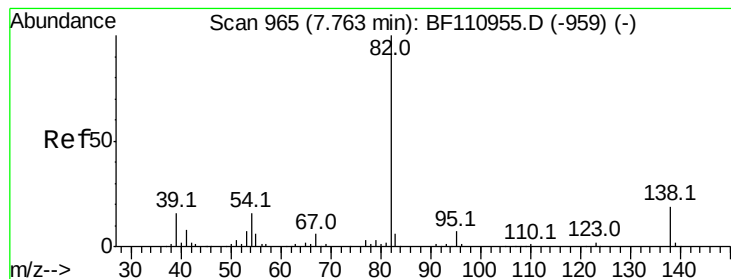
| Tgt Ion   | 77   | Resp | 396632 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 35.7 |      |        |
| Upper     | 53.5 |      |        |
| 65        | 15.0 |      | 16.1   |



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: 79.900 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

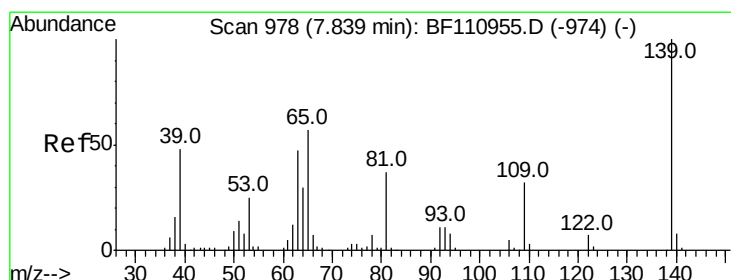
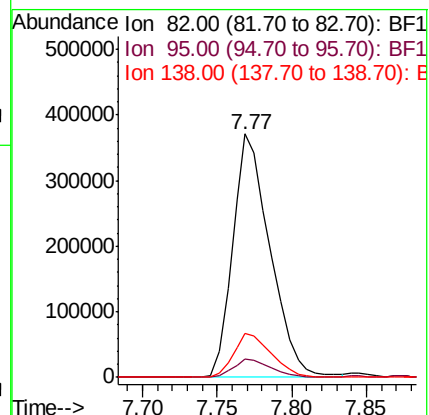
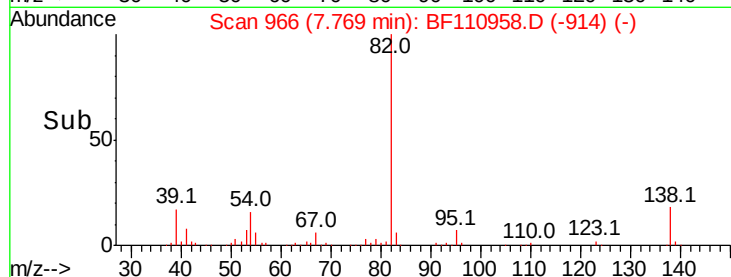
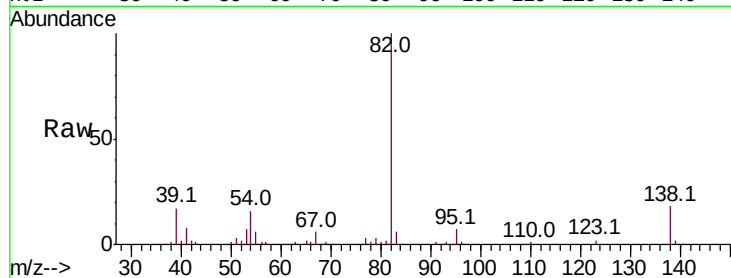
Tot Ion: 82 Resp: 646825

Ion Ratio Lower Upper

82 100

95 7.5 5.7 8.5

138 17.8 13.2 19.8



#26

2-Nitrophenol

Concen: 81.835 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

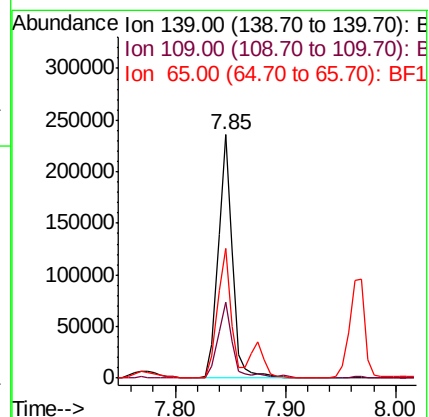
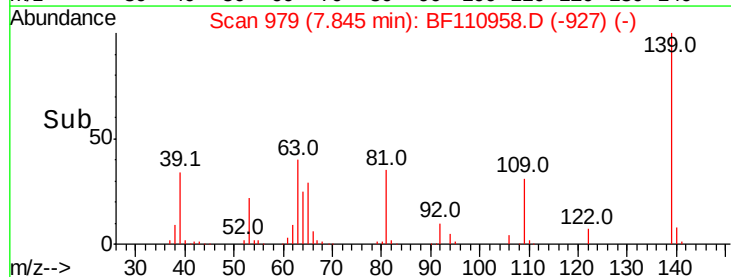
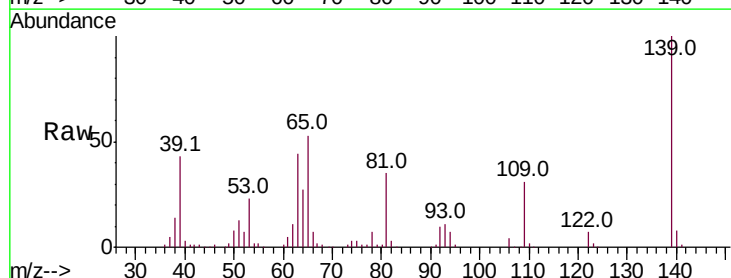
Tgt Ion: 139 Resp: 206600

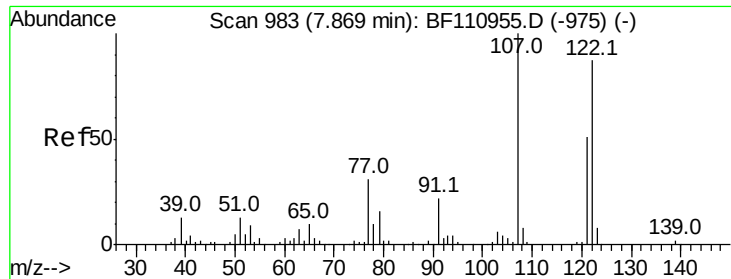
Ion Ratio Lower Upper

139 100

109 31.1 25.0 37.6

65 53.0 44.0 66.0

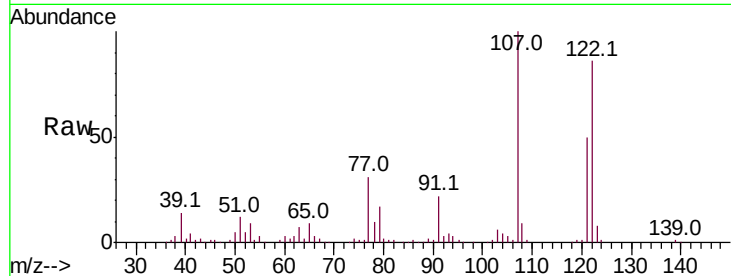




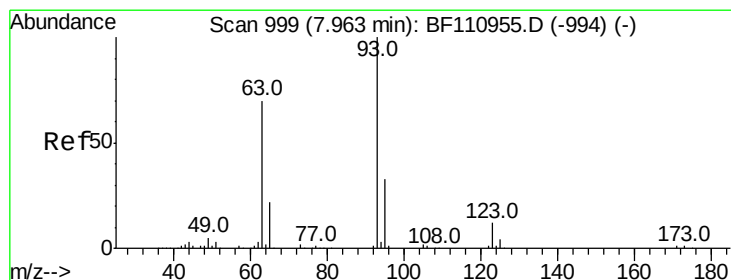
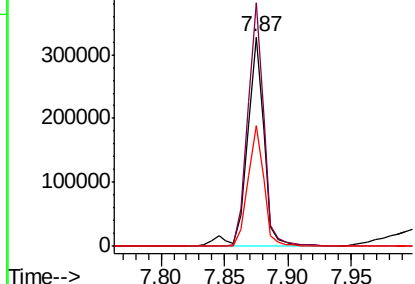
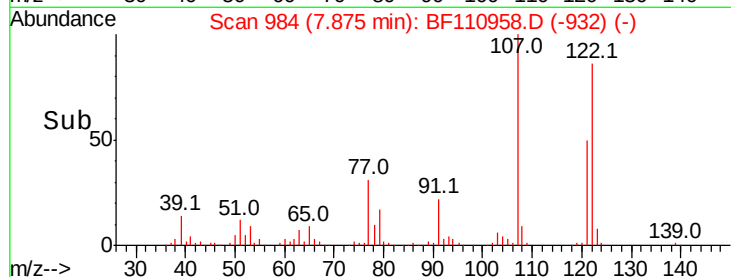
#27  
2,4-Dimethylphenol  
Concen: 77.793 ng  
RT: 7.87 min Scan# 984  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 116.4 | 92.5  | 138.7 |
| 121     | 57.9  | 45.8  | 68.8  |

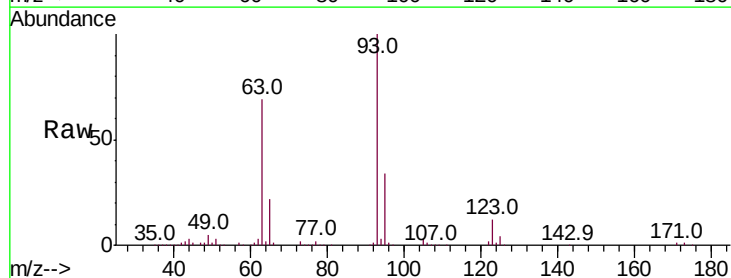


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

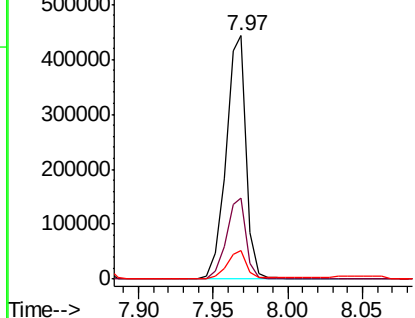
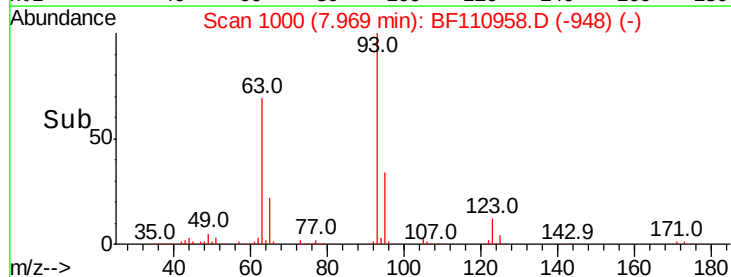


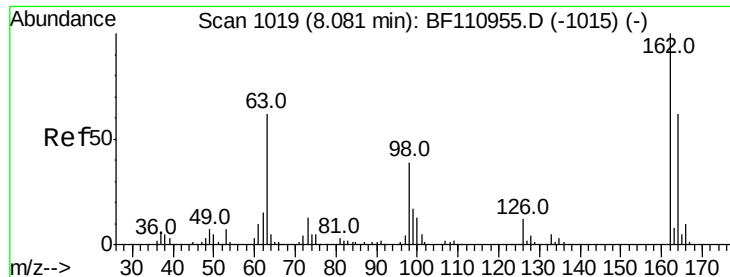
#28  
bis(2-Chloroethoxy)methane  
Concen: 77.308 ng  
RT: 7.97 min Scan# 1000  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.6  | 26.4  | 39.6  |
| 123     | 12.0  | 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

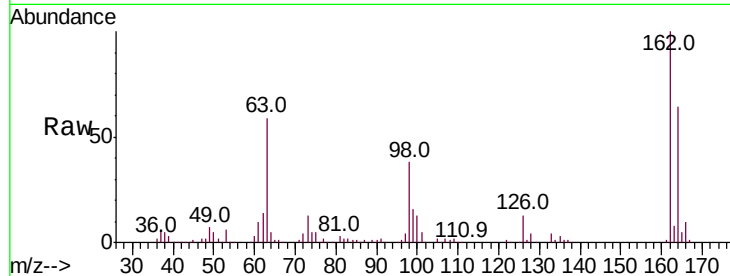




#29  
 2,4-Dichlorophenol  
 Concen: 78.661 ng  
 RT: 8.09 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.3  | 44.6  | 84.6  |
| 98      | 38.4  | 17.4  | 57.4  |

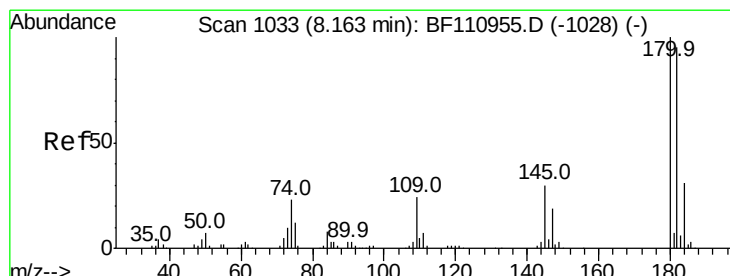
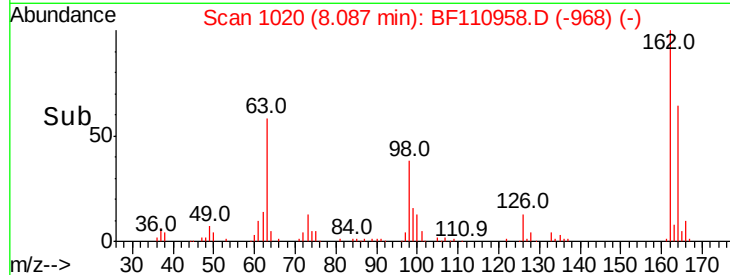
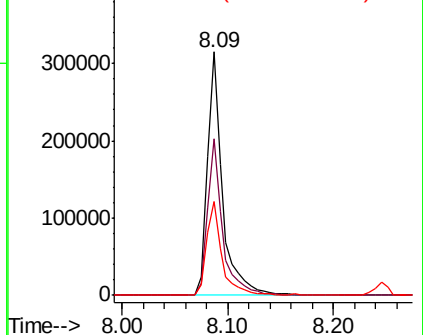


Abundance

Ion 162.00 (161.70 to 162.70): E

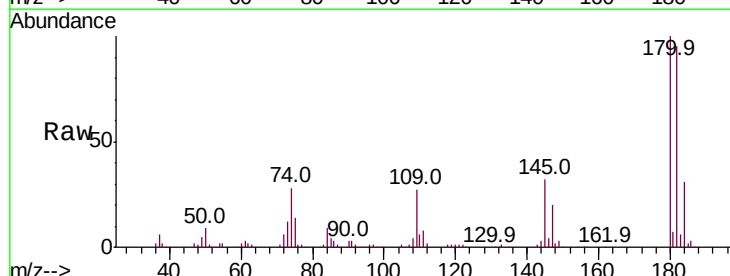
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 77.231 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 80.3  | 120.5 |
| 145     | 32.0  | 25.4  | 38.0  |

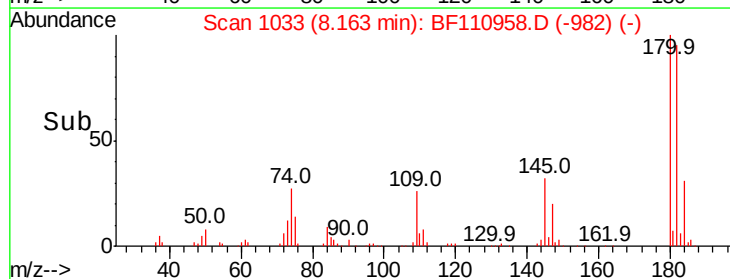
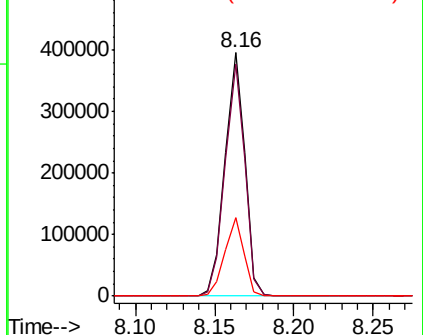


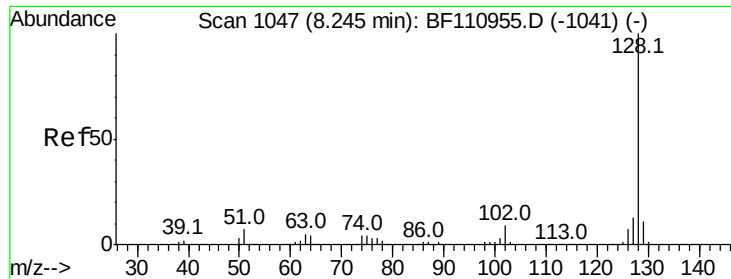
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

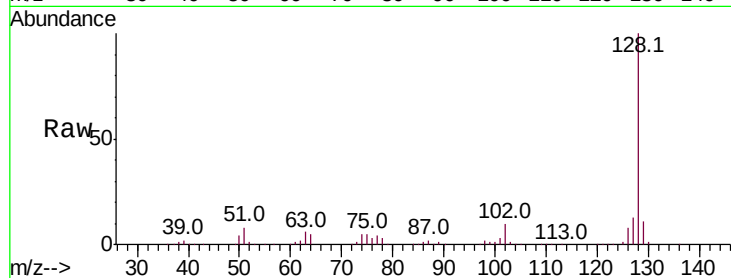




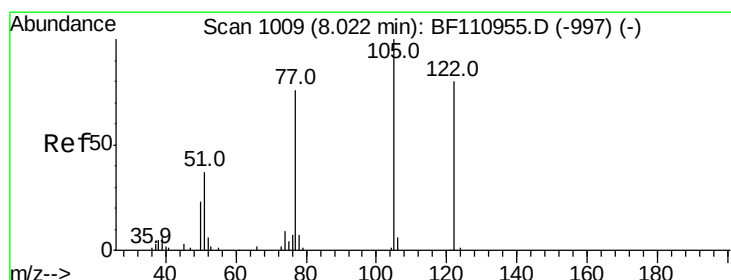
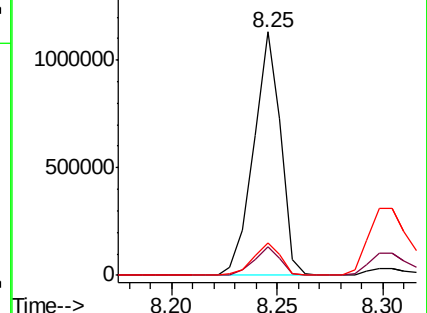
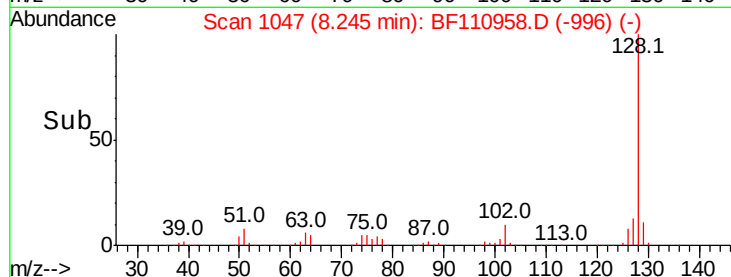
#31  
Naphthalene  
Concen: 75.230 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 1004563  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.8 13.2  
127 13.5 10.8 16.2

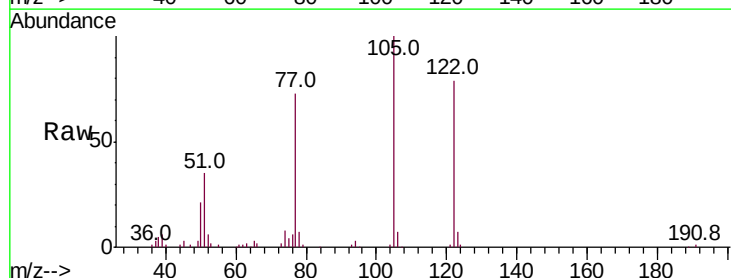


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

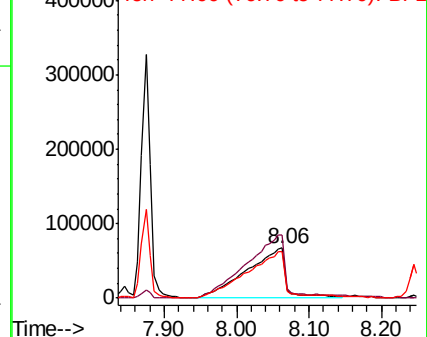
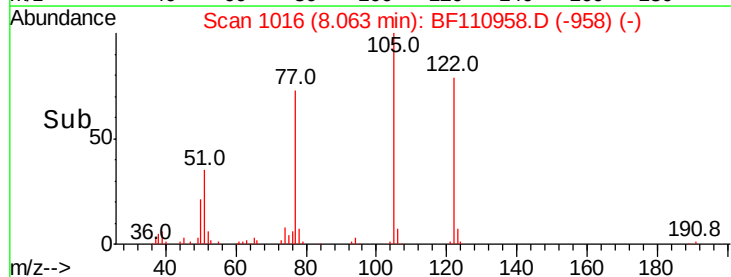


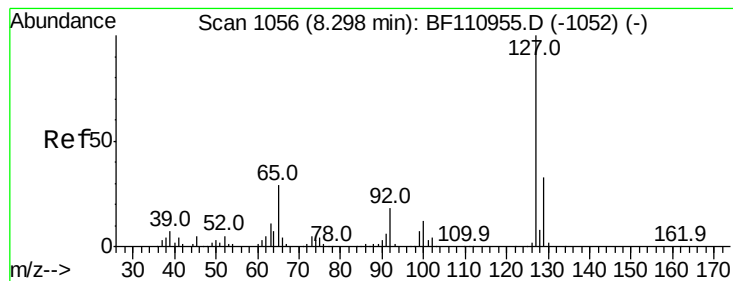
#32  
Benzoic acid  
Concen: 90.448 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. 0.04 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:122 Resp: 246051  
Ion Ratio Lower Upper  
122 100  
105 127.3 109.0 149.0  
77 92.5 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: 72.985 ng

RT: 8.30 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

Tot Ion:127 Resp: 441448

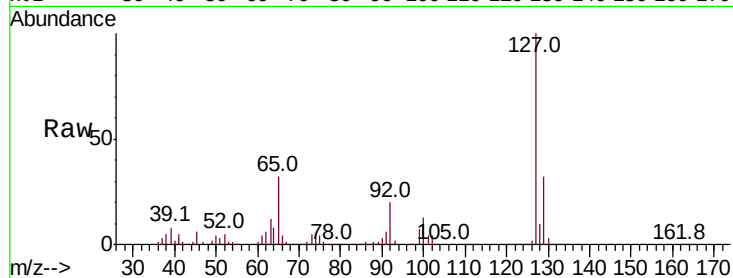
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 32.4 25.1 37.7

92 19.6 15.0 22.6



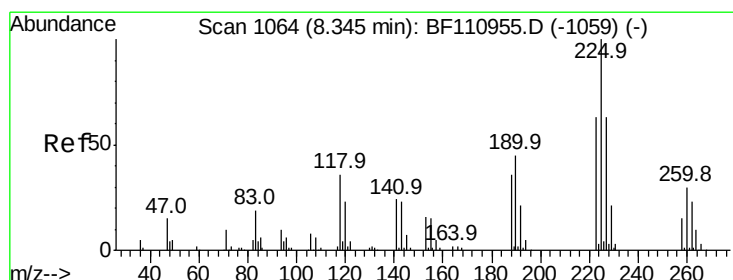
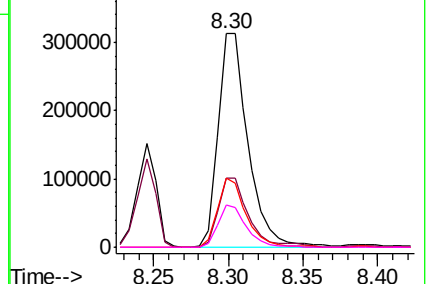
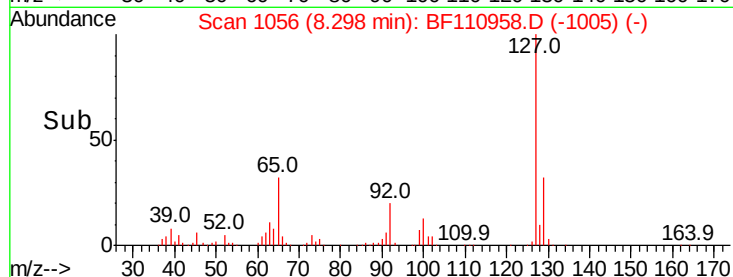
Abundance

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: 77.696 ng

RT: 8.35 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

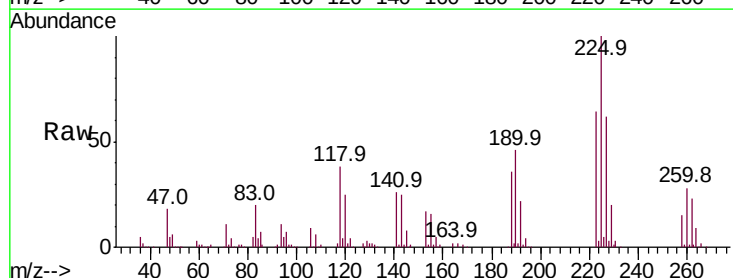
Tgt Ion:225 Resp: 197950

Ion Ratio Lower Upper

225 100

223 63.5 51.4 77.2

227 62.1 51.0 76.6

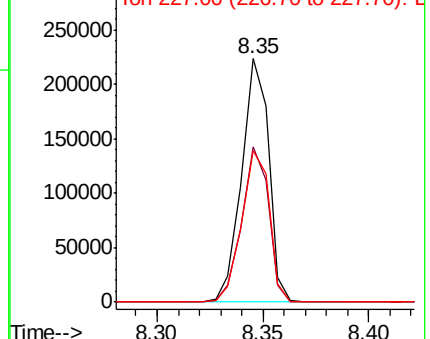
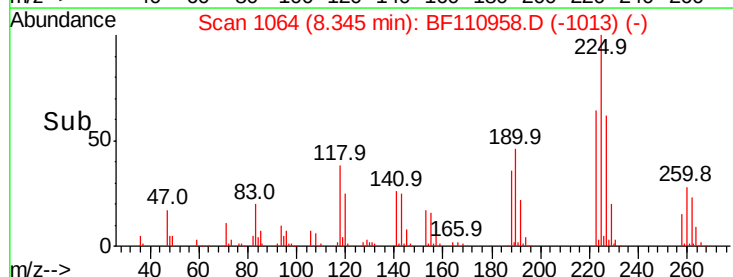


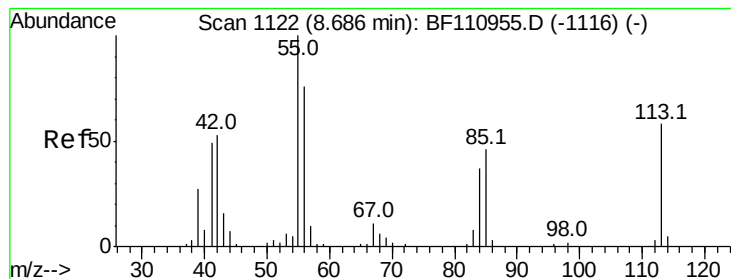
Abundance

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: 65.379 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.03 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

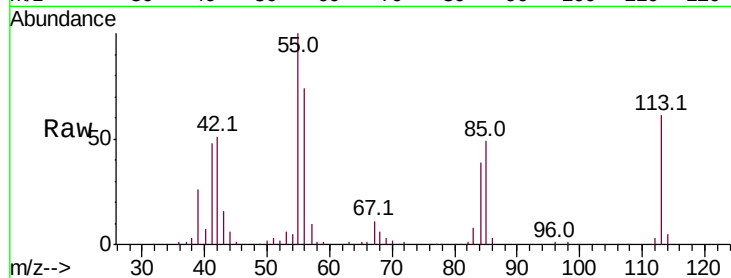
Tot Ion:113 Resp: 86415

Ion Ratio Lower Upper

113 100

55 164.8 142.8 182.8

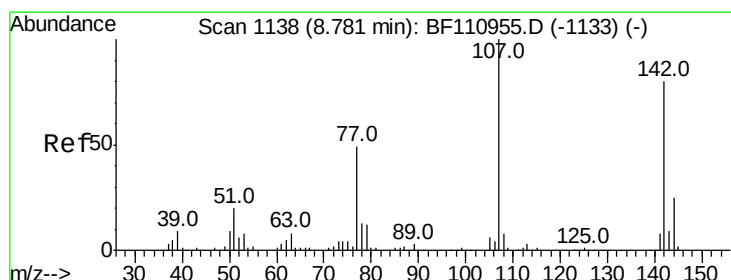
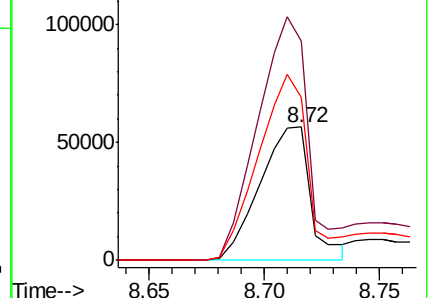
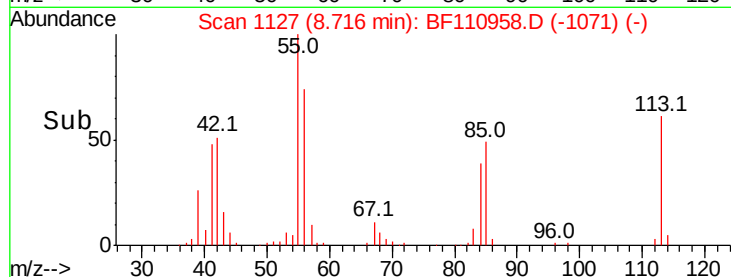
56 122.6 105.0 145.0



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: 79.333 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

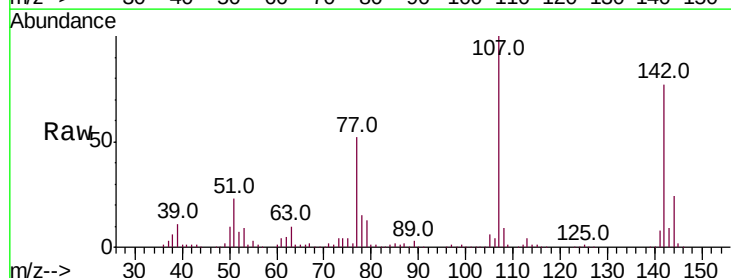
Tgt Ion:107 Resp: 338491

Ion Ratio Lower Upper

107 100

144 24.2 20.0 30.0

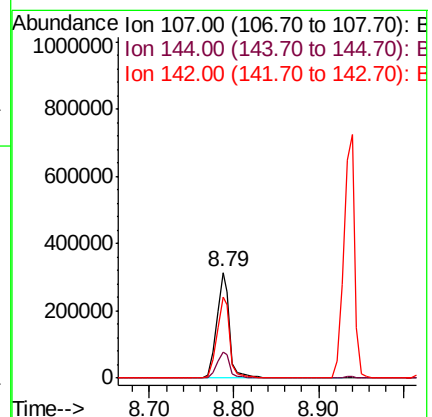
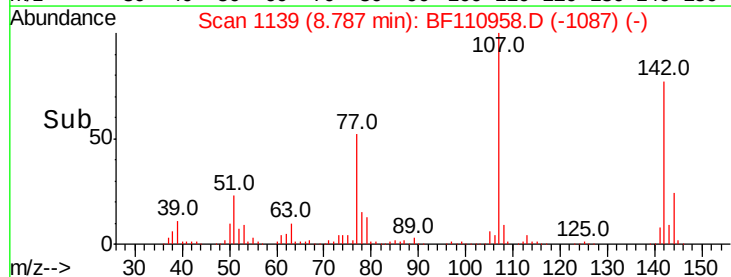
142 76.5 59.7 89.5

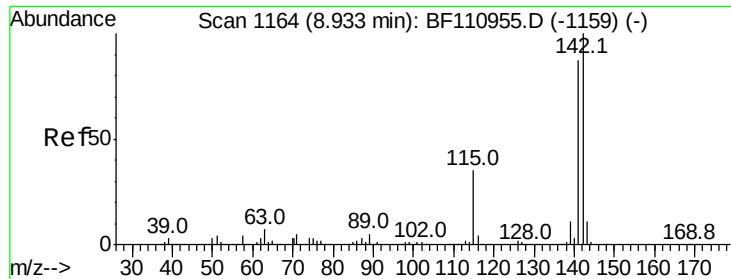


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

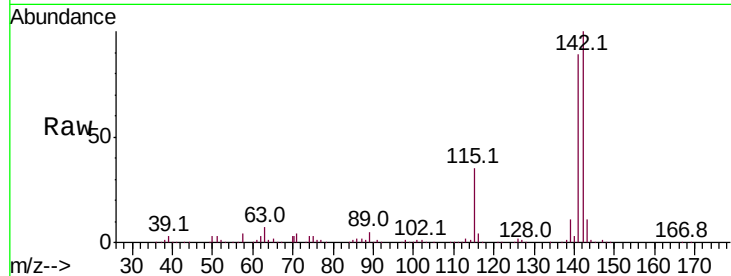




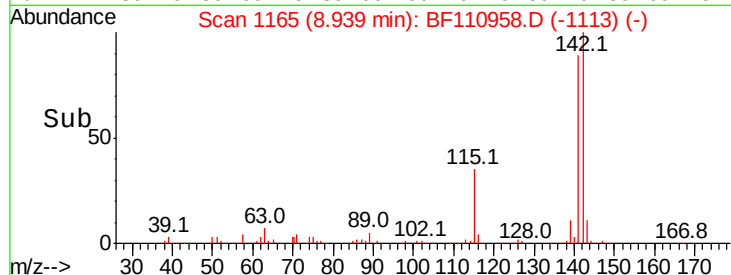
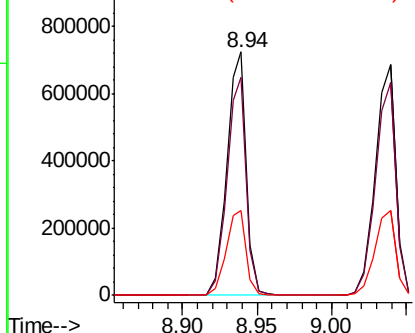
#37  
 2-Methylnaphthalene  
 Concen: 76.053 ng  
 RT: 8.94 min Scan# 1165  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 71.4  | 107.2 |
| 115     | 34.8  | 28.7  | 43.1  |

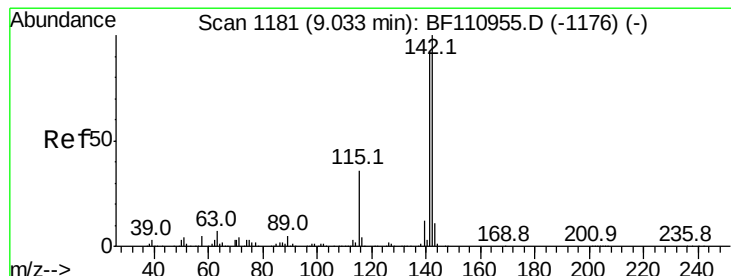


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

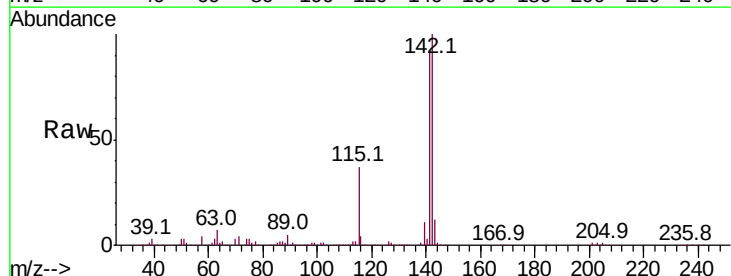
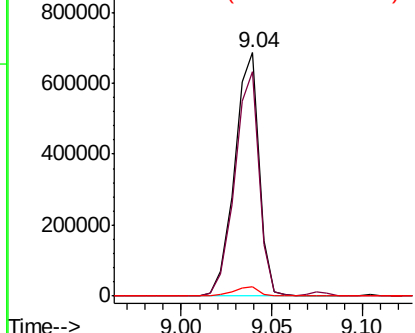


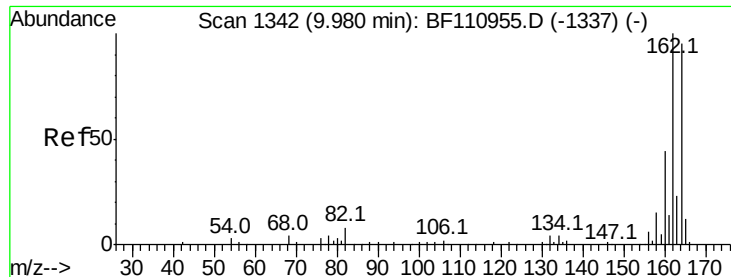
#38  
 1-Methylnaphthalene  
 Concen: 76.232 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.2  | 74.2  | 111.4 |
| 116     | 3.7   | 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

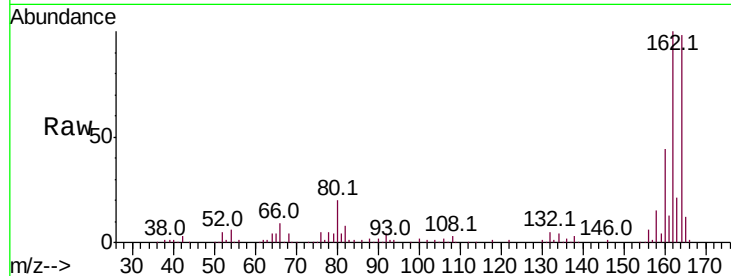




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.5 | 83.0  | 124.6 |
| 160     | 45.2  | 37.0  | 55.6  |

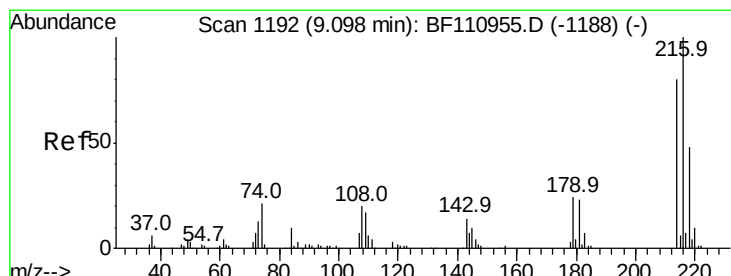
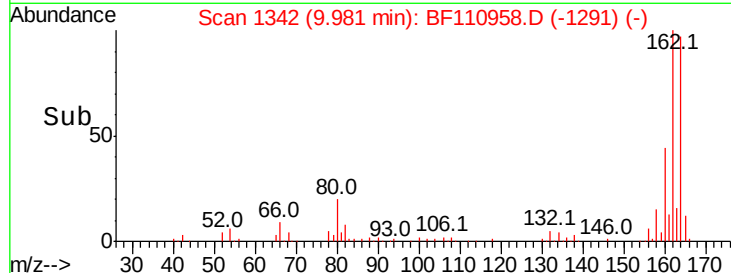
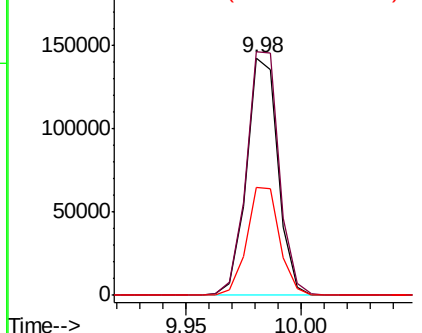


Abundance

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: 76.689 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 80.0  | 63.8  | 95.6  |
| 179     | 23.3  | 16.6  | 25.0  |
| 108     | 19.7  | 15.1  | 22.7  |

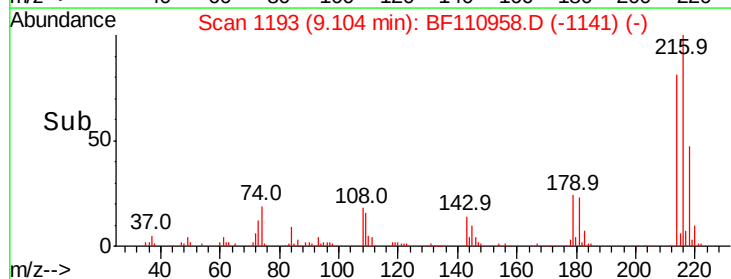
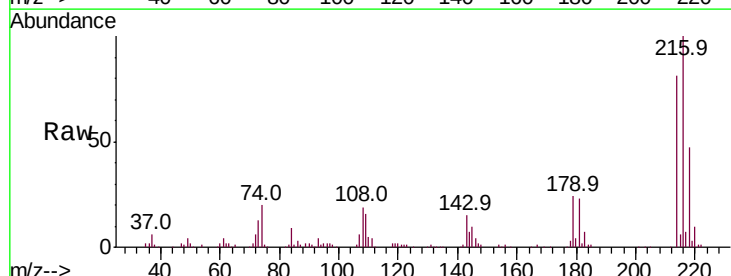
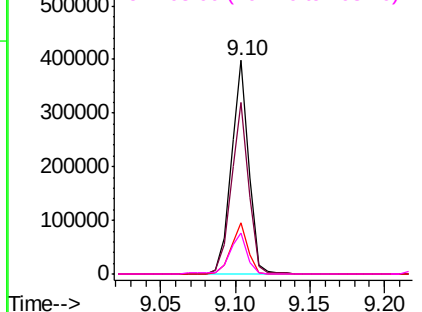
Abundance

Ion 216.00 (215.70 to 216.70): E

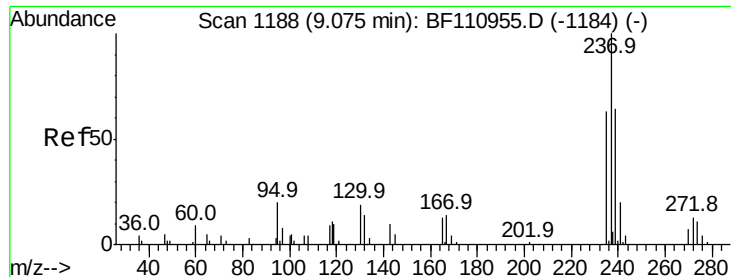
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



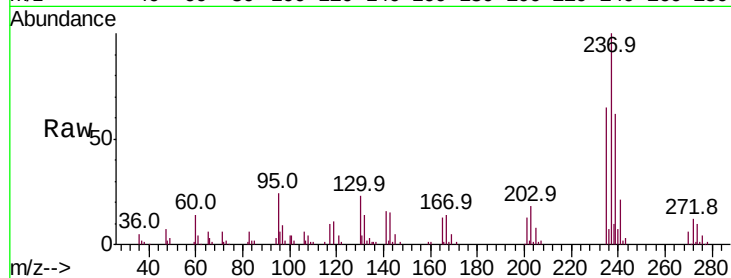




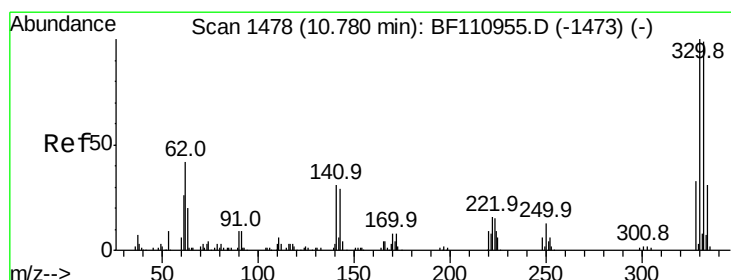
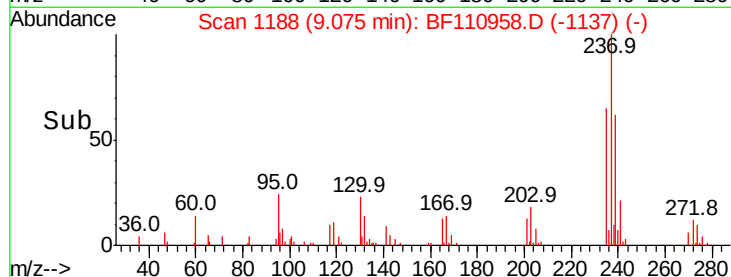
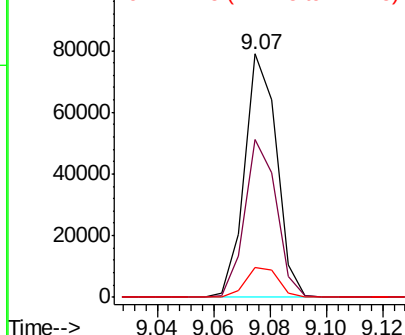
#41  
Hexachlorocyclopentadiene  
Concen: 45.071 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:237 Resp: 62133  
Ion Ratio Lower Upper  
237 100  
235 64.8 43.1 83.1  
272 12.3 0.0 32.6

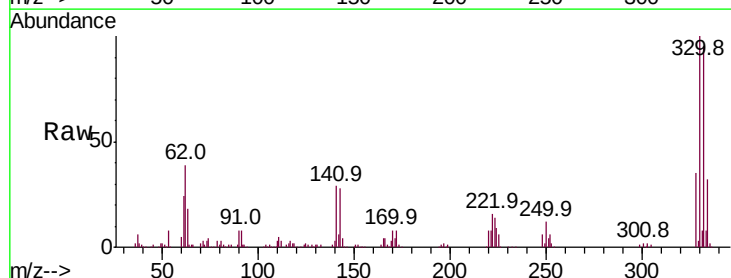


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

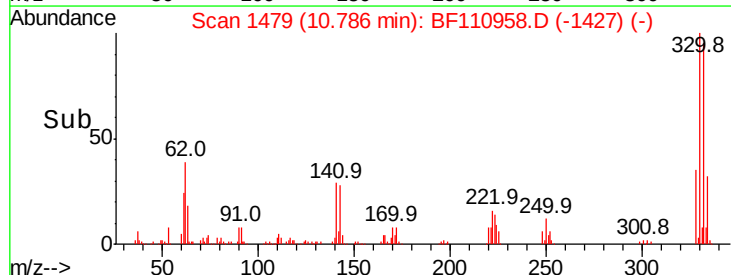
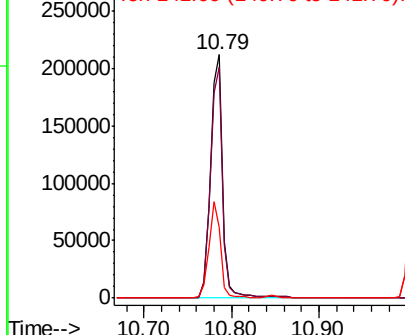


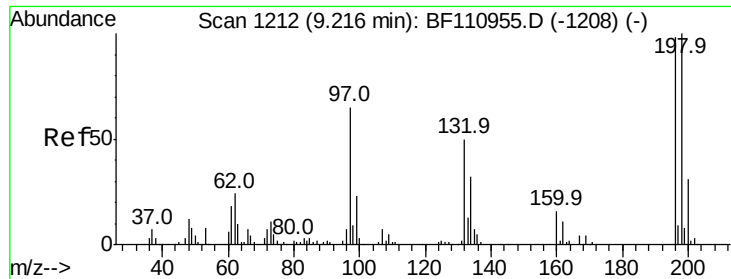
#42  
2,4,6-Tribromophenol  
Concen: 150.252 ng  
RT: 10.79 min Scan# 1479  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:330 Resp: 205502  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.1 115.7  
141 37.9 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

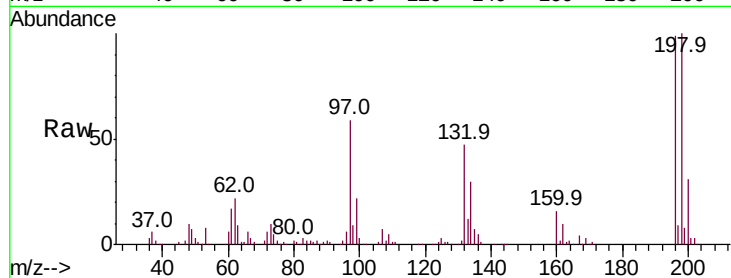




#43  
 2,4,6-Trichlorophenol  
 Concen: 75.599 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 101.1 | 76.2  | 114.4 |
| 200     | 31.6  | 24.4  | 36.6  |

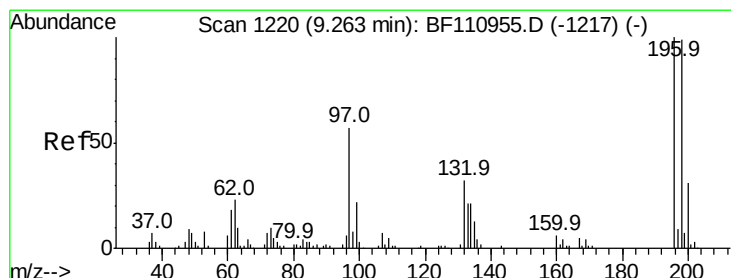
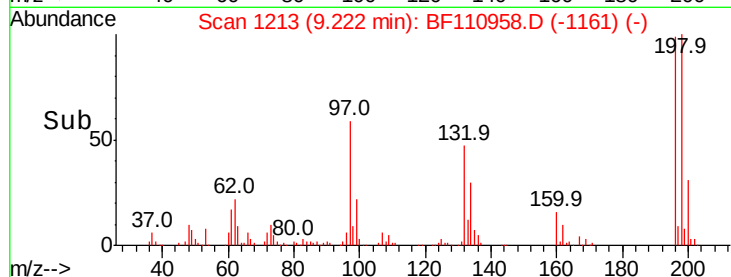
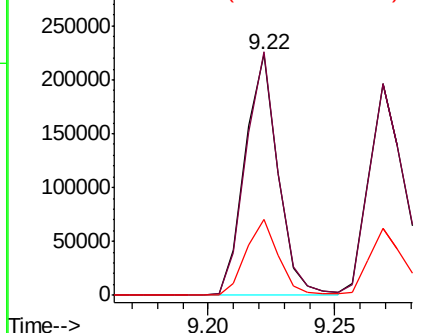


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 73.538 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.9  | 75.8  | 113.6 |
| 97      | 56.3  | 42.4  | 63.6  |
| 132     | 31.3  | 22.8  | 34.2  |

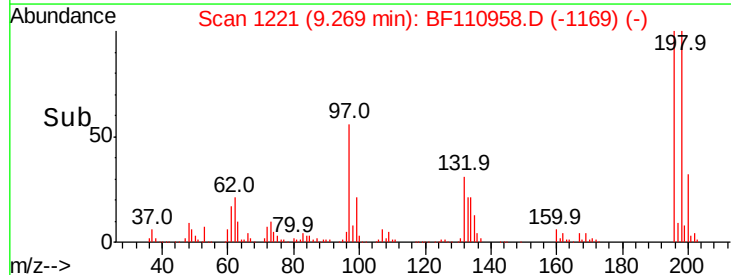
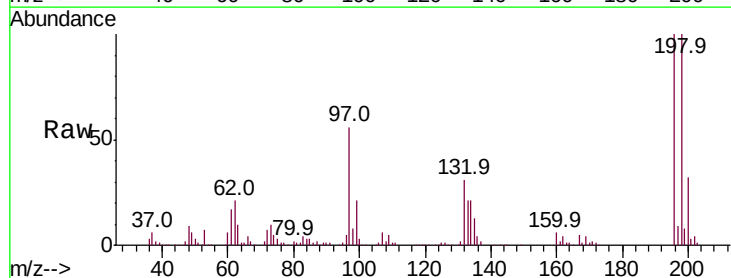
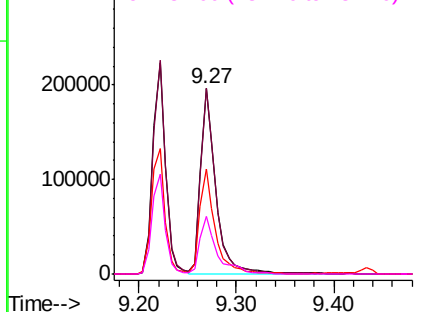
Abundance

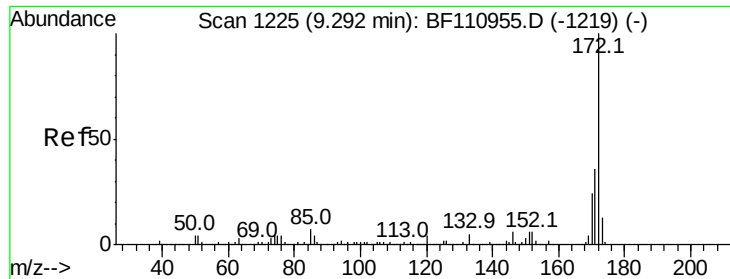
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

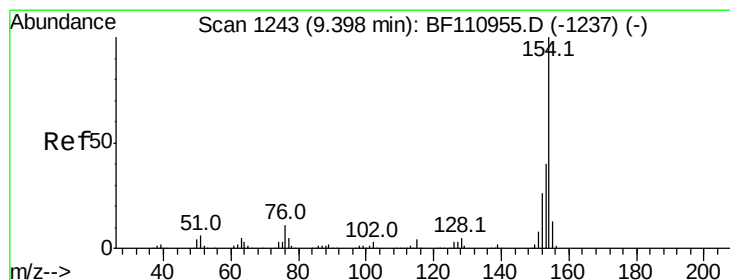
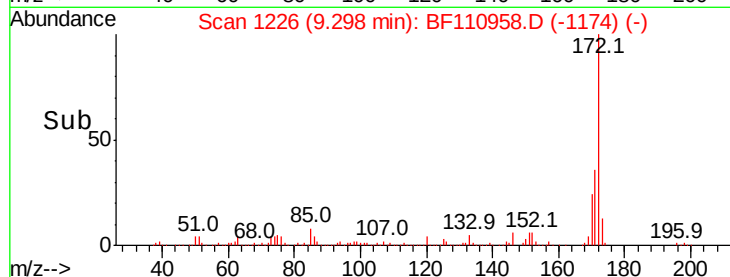
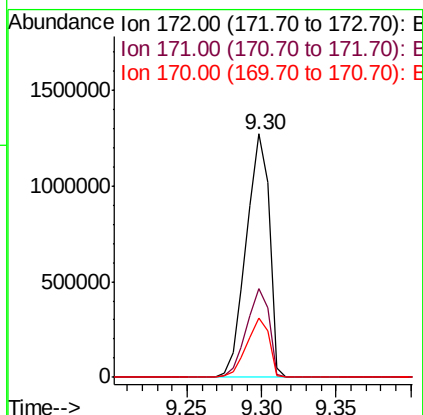
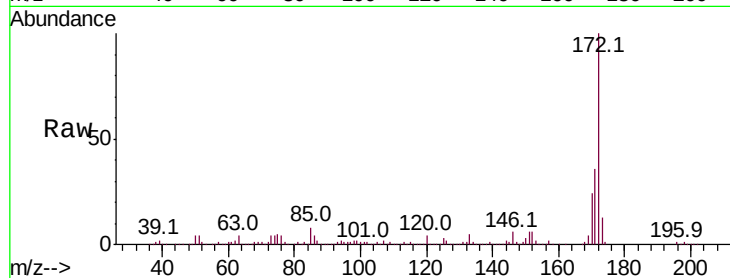




#45  
2-Fluorobiphenyl  
Concen: 143.497 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

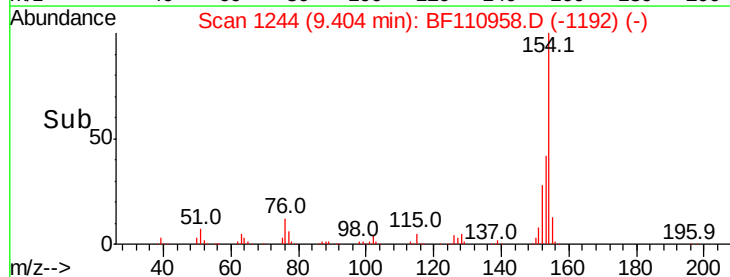
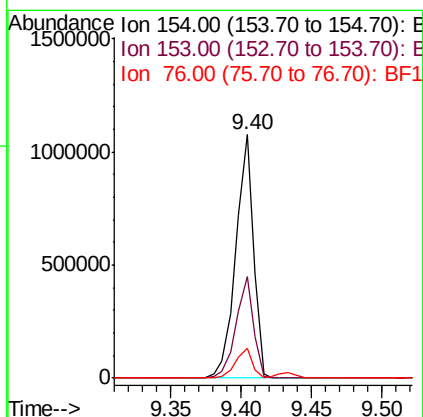
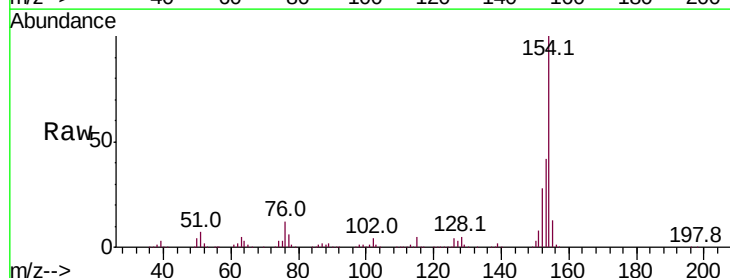
Instrument :  
BNA\_F  
ClientSampleId :

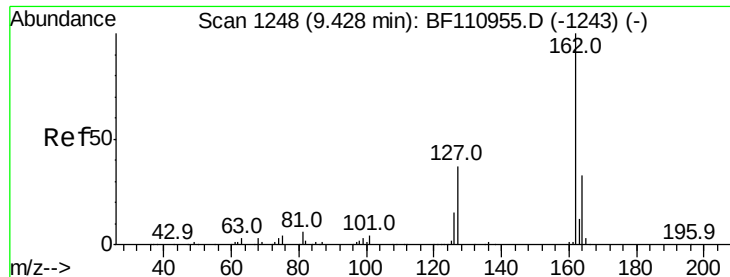
Tot Ion:172 Resp: 1363821  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.6 43.0  
170 24.2 19.7 29.5



#46  
1,1'-Biphenyl  
Concen: 74.253 ng  
RT: 9.40 min Scan# 1244  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:154 Resp: 940217  
Ion Ratio Lower Upper  
154 100  
153 41.9 20.4 60.4  
76 12.3 0.0 31.9





#47

2-Chloronaphthalene

Concen: 75.829 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

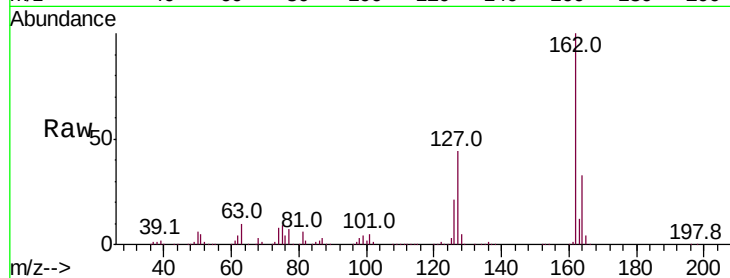
Tot Ion:162 Resp: 691744

Ion Ratio Lower Upper

162 100

127 43.9 32.6 48.8

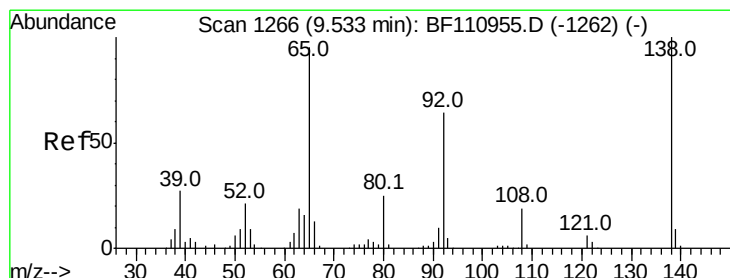
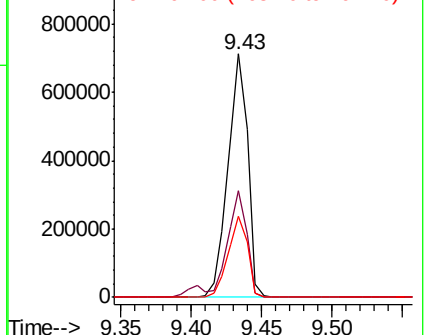
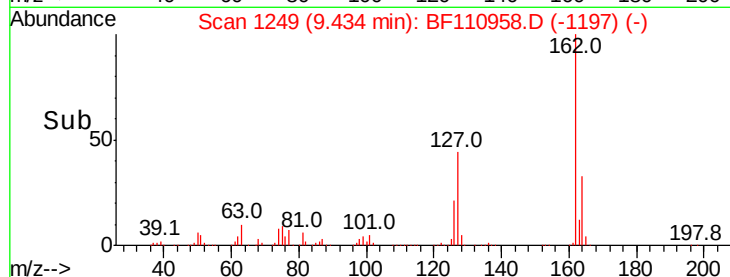
164 33.3 25.9 38.9



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: 80.399 ng

RT: 9.54 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

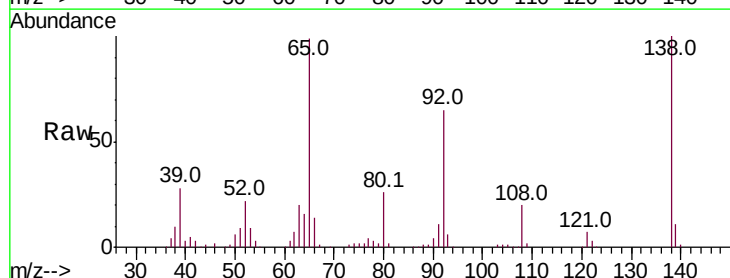
Tgt Ion: 65 Resp: 226014

Ion Ratio Lower Upper

65 100

92 65.4 54.6 81.8

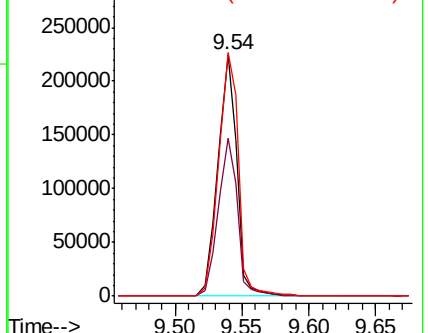
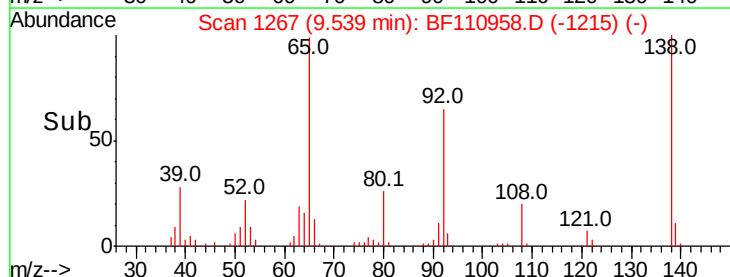
138 100.9 80.3 120.5

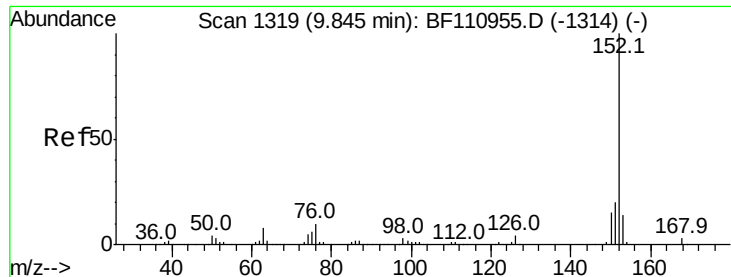


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 72.571 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

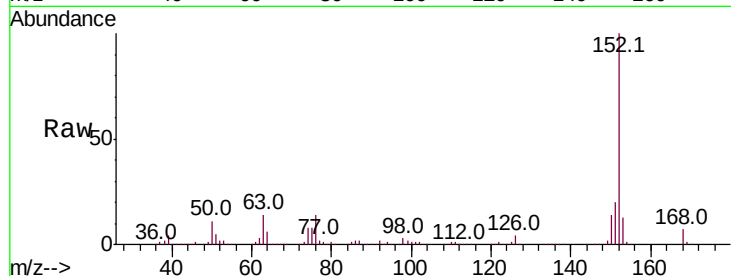
Tot Ion:152 Resp: 953403

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

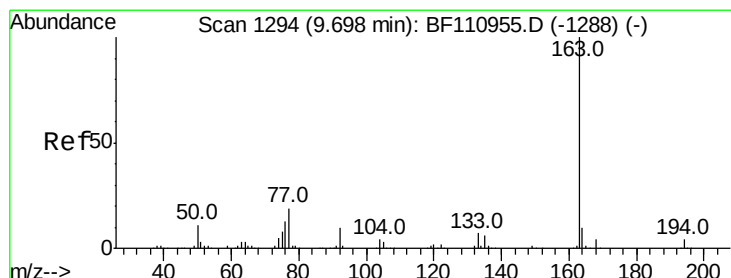
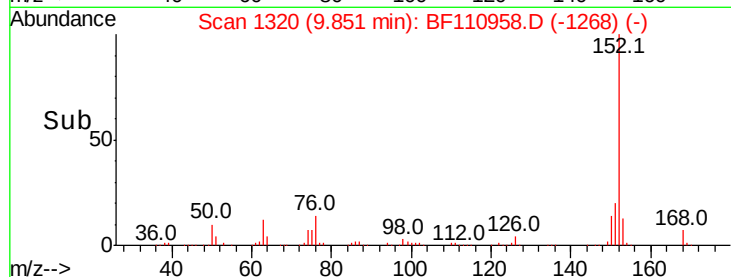
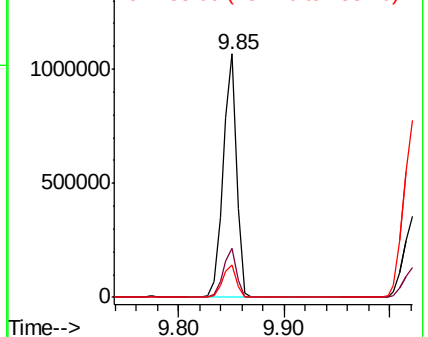
153 13.4 10.4 15.6



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: 73.663 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

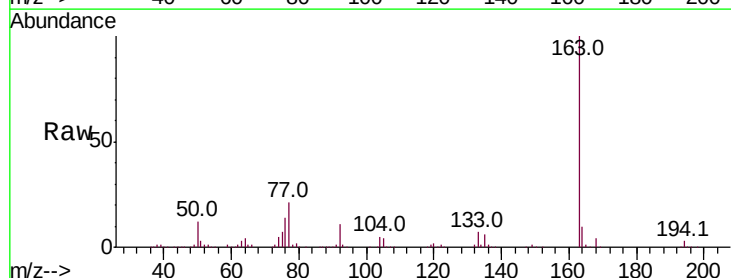
Tgt Ion:163 Resp: 746079

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

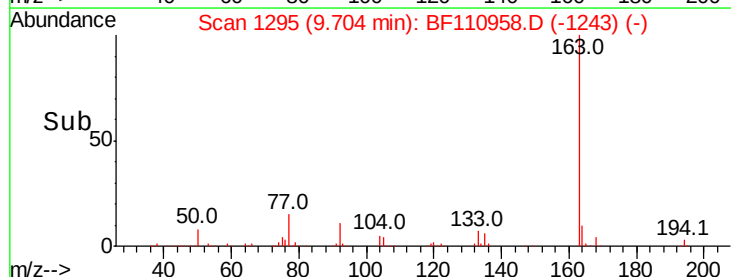
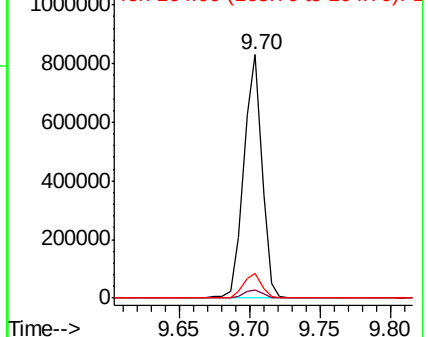
164 10.0 8.1 12.1

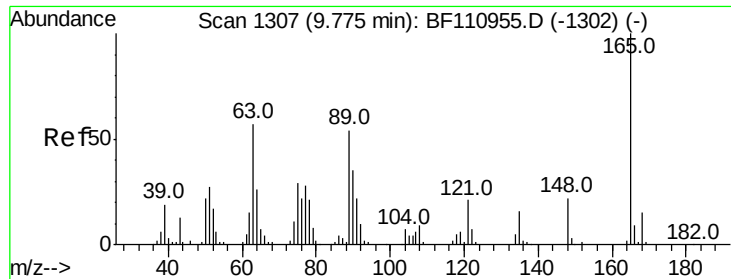


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

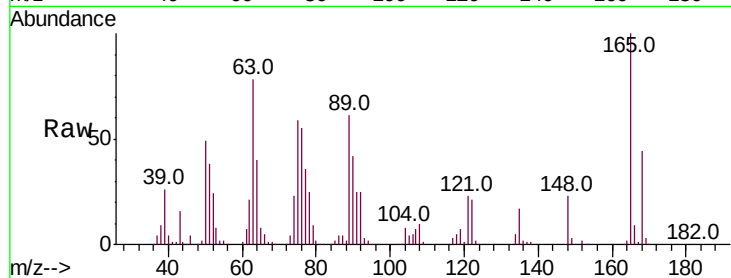




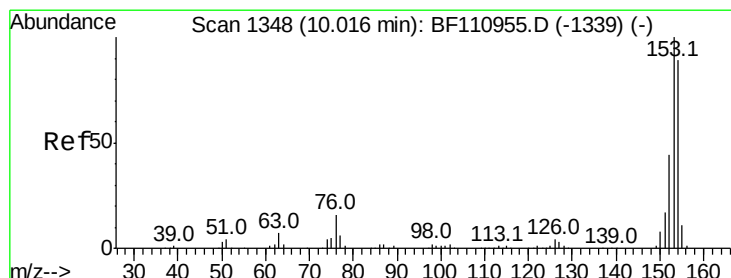
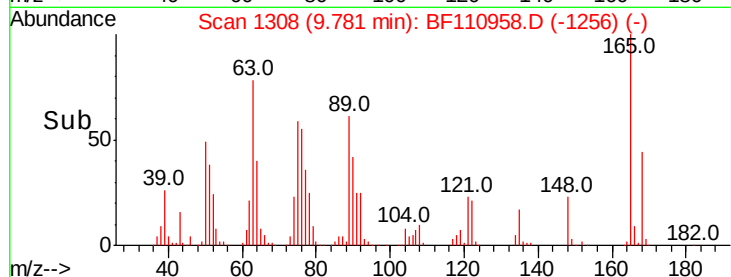
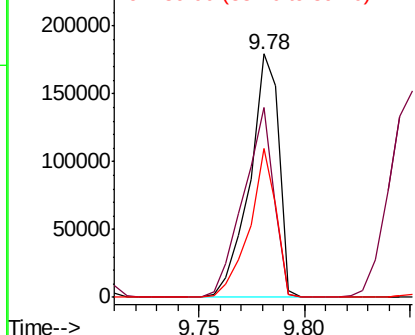
#51  
2,6-Dinitrotoluene  
Concen: 77.705 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 78.1  | 48.9  | 73.3# |
| 89      | 61.2  | 46.6  | 69.8  |

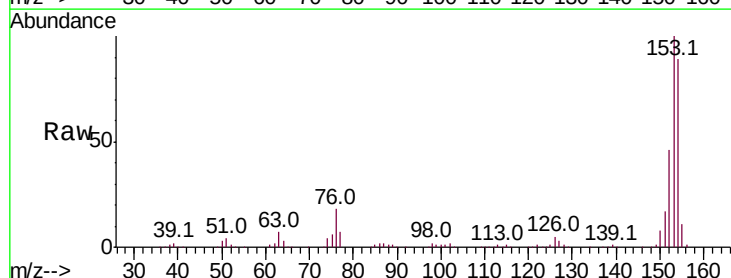


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

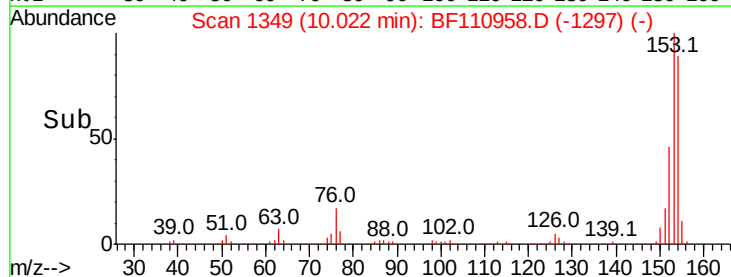
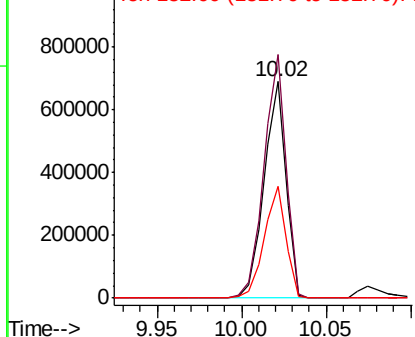


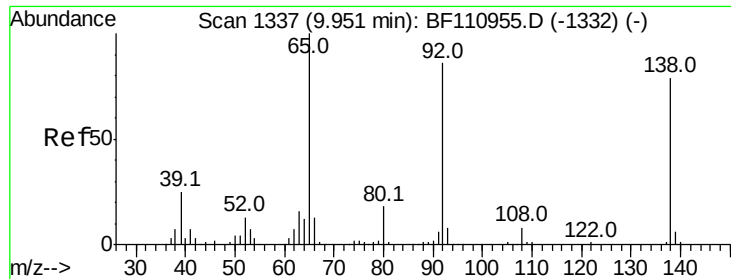
#52  
Acenaphthene  
Concen: 74.766 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.6 | 90.1  | 135.1 |
| 152     | 51.6  | 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

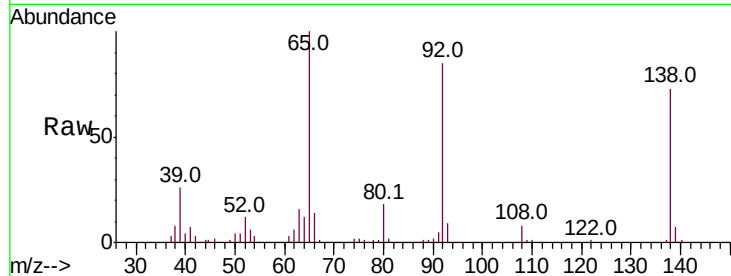




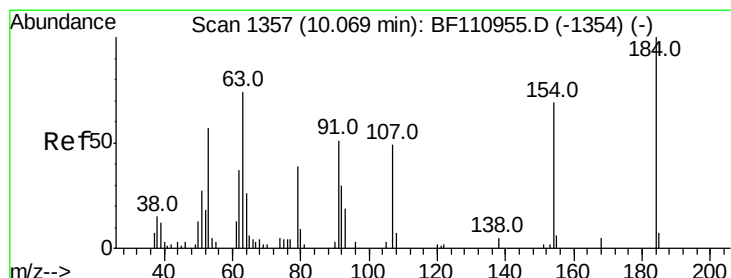
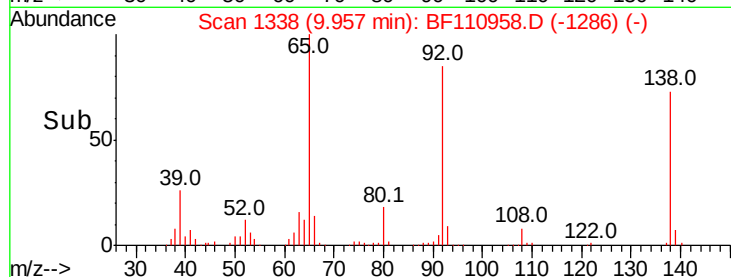
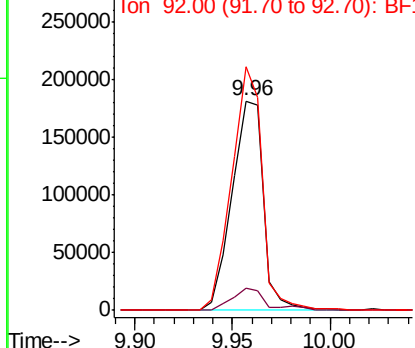
#53  
3-Nitroaniline  
Concen: 78.820 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 203457  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.7 13.1  
92 116.5 97.0 145.4

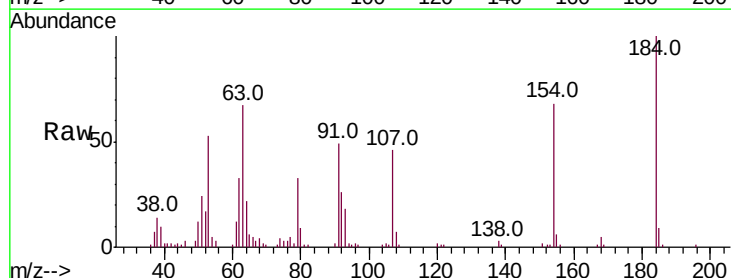


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

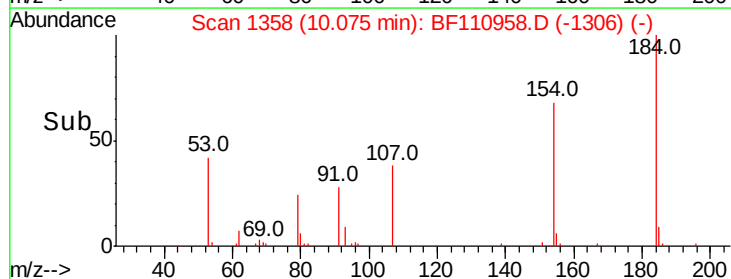
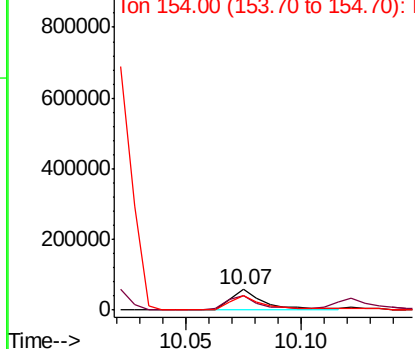


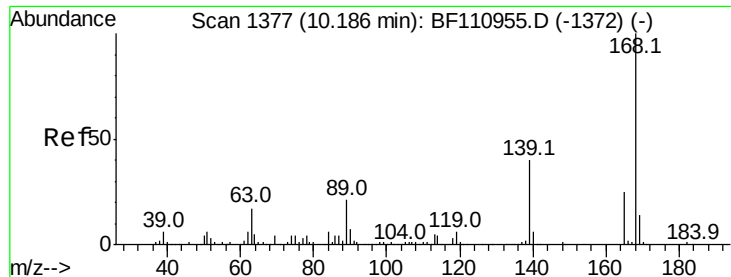
#54  
2,4-Dinitrophenol  
Concen: 79.607 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:184 Resp: 62664  
Ion Ratio Lower Upper  
184 100  
63 66.9 55.8 83.6  
154 67.6 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

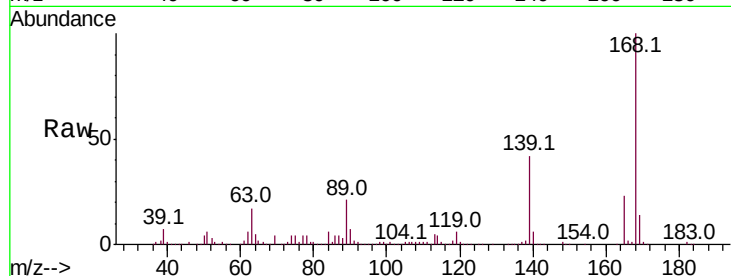




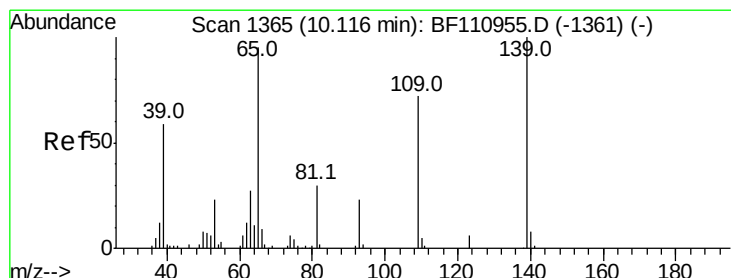
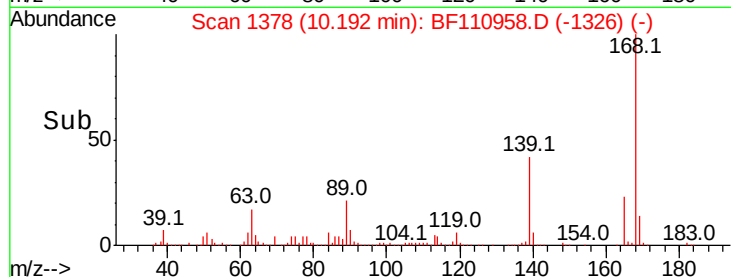
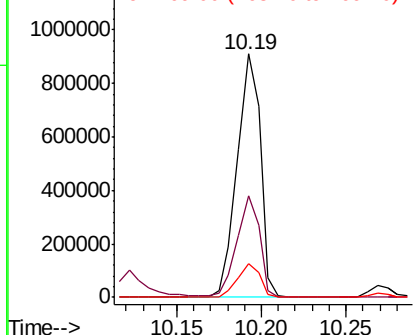
#55  
Dibenzenofuran  
Concen: 71.807 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 872240  
Ion Ratio Lower Upper  
168 100  
139 41.9 33.0 49.6  
169 13.8 11.3 16.9

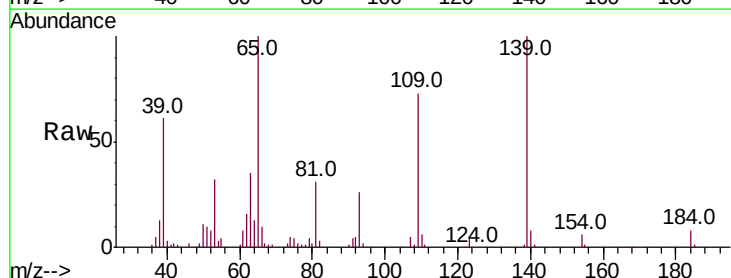


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

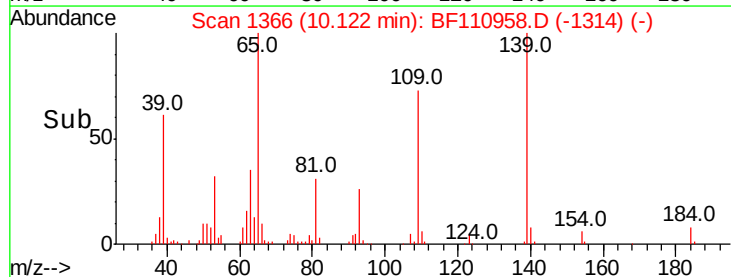
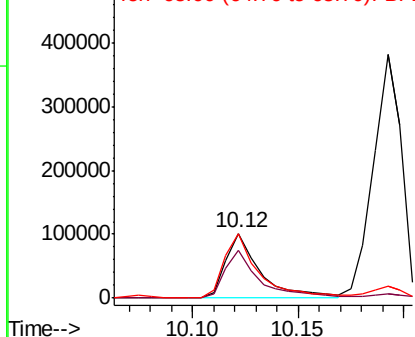


#56  
4-Nitrophenol  
Concen: 67.396 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

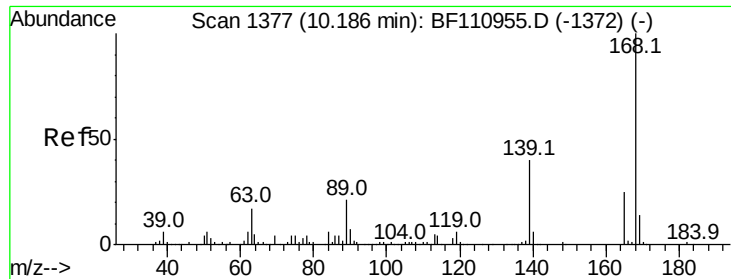
Tgt Ion:139 Resp: 115416  
Ion Ratio Lower Upper  
139 100  
109 73.2 55.8 95.8  
65 100.2 77.9 117.9



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: 74.080 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 214604

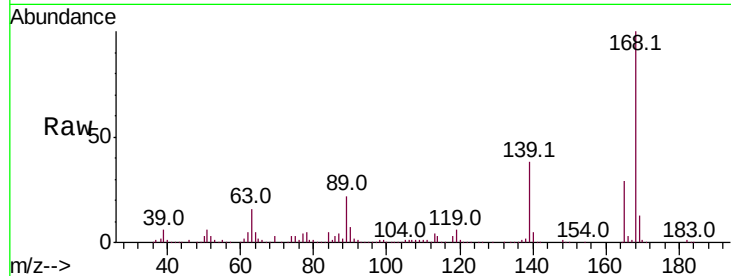
Ion Ratio Lower Upper

165 100

63 53.8 44.8 67.2

89 74.3 62.2 93.4

182 2.6 2.1 3.1

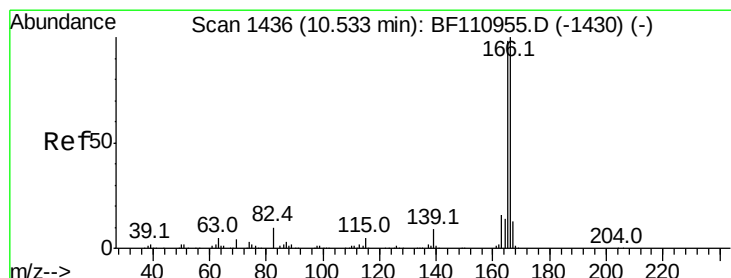
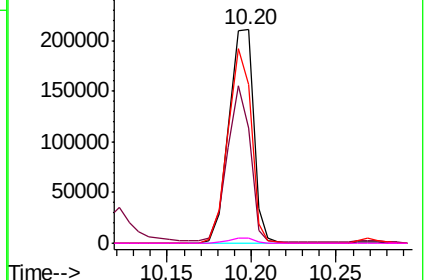
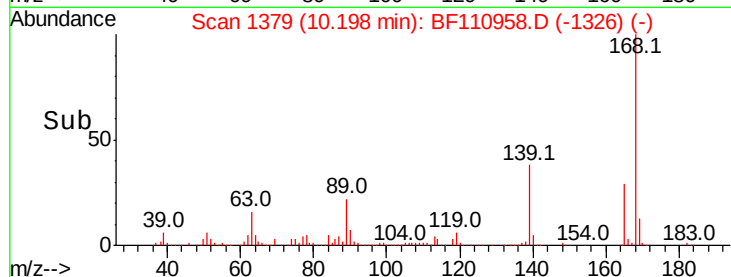


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 74.820 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

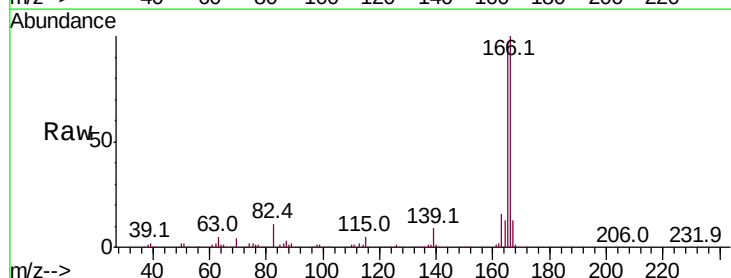
Tgt Ion:166 Resp: 698082

Ion Ratio Lower Upper

166 100

165 97.0 78.6 117.8

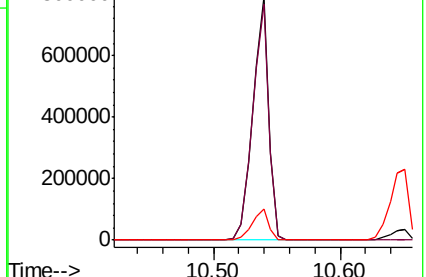
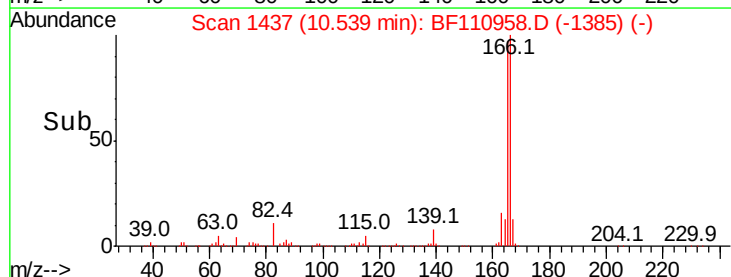
167 13.0 10.8 16.2

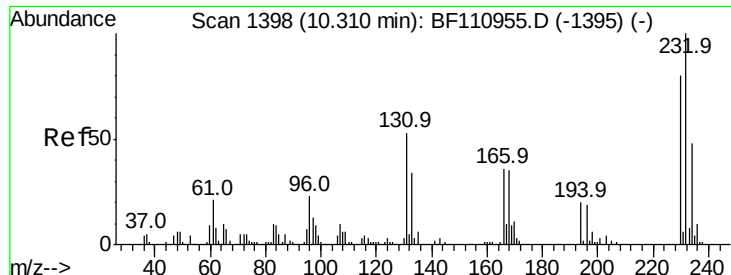


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

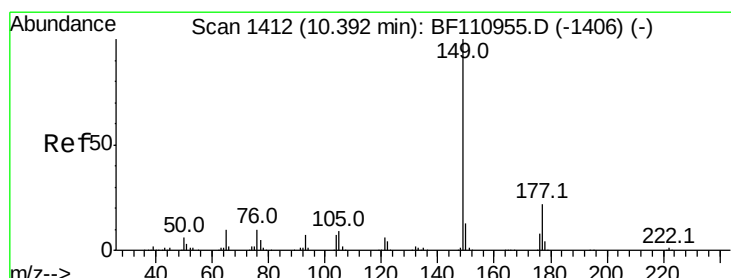
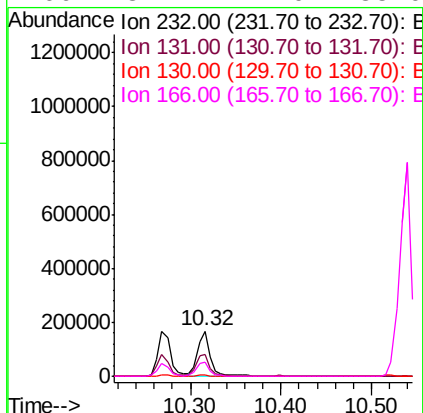
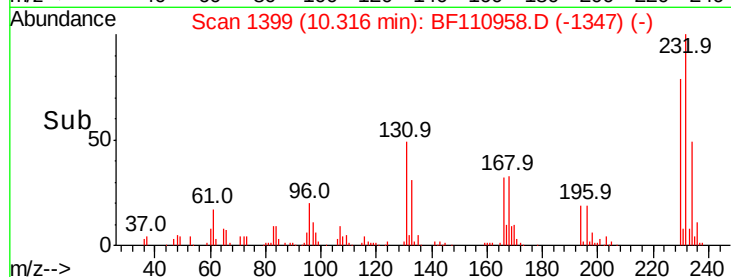
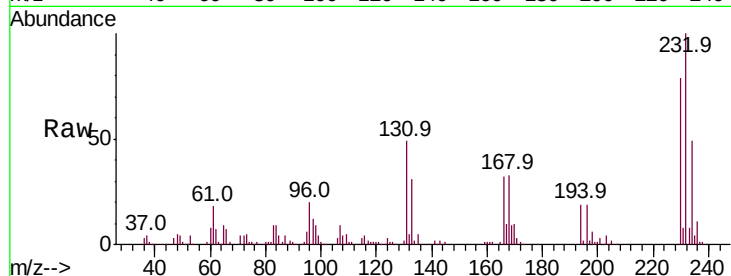




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 72.276 ng  
 RT: 10.32 min Scan# 1399  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

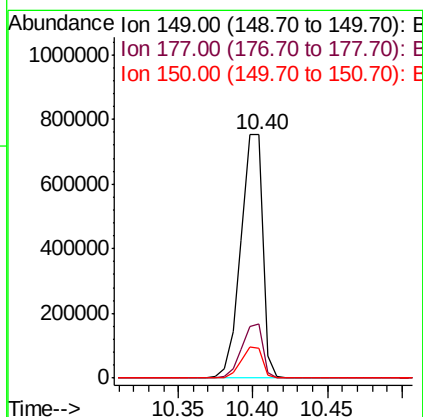
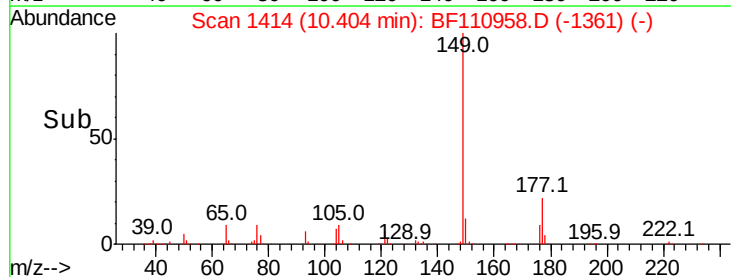
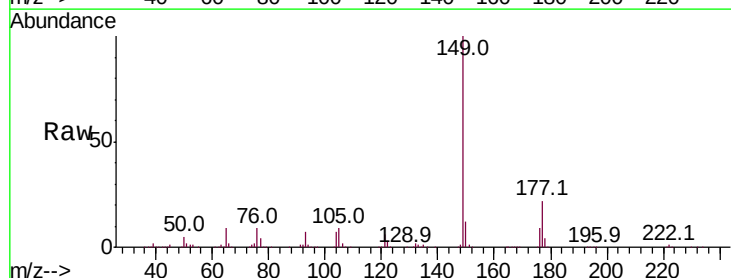
Instrument :  
 BNA\_F  
 ClientSampleId :

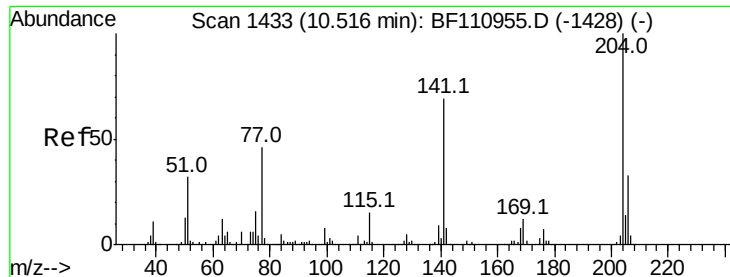
Tot Ion:232 Resp: 163754  
 Ion Ratio Lower Upper  
 232 100  
 131 51.5 37.0 55.4  
 130 2.5 1.8 2.6  
 166 32.7 22.0 33.0



#60  
 Diethylphthalate  
 Concen: 76.931 ng  
 RT: 10.40 min Scan# 1414  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Tgt Ion:149 Resp: 770862  
 Ion Ratio Lower Upper  
 149 100  
 177 22.4 17.4 26.2  
 150 12.3 9.8 14.8

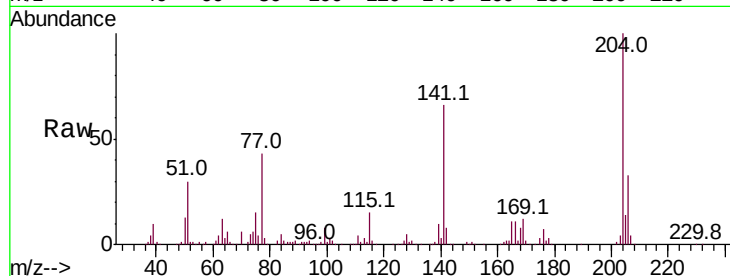




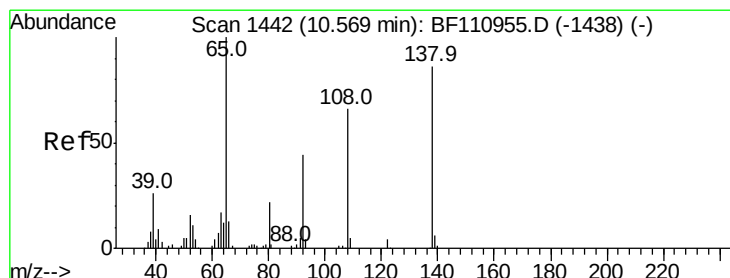
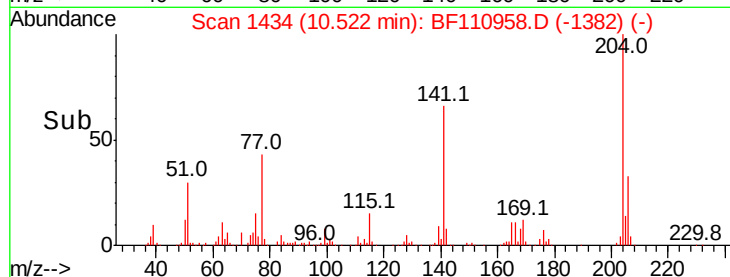
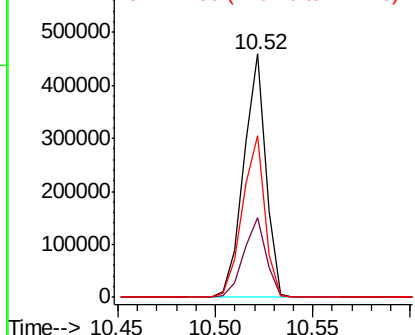
#61  
4-Chlorophenyl-phenylether  
Concen: 74.986 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 362247  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.5 39.7  
141 66.5 51.8 77.8

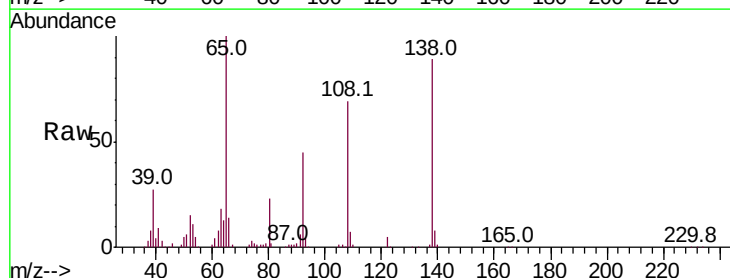


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

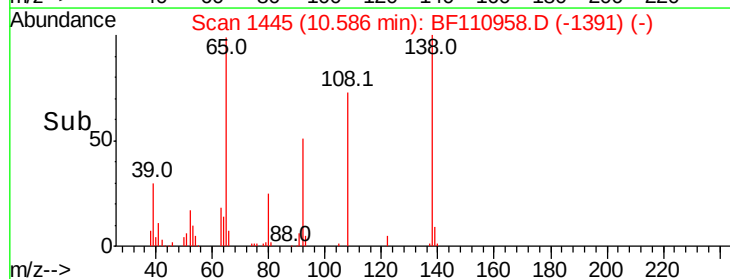
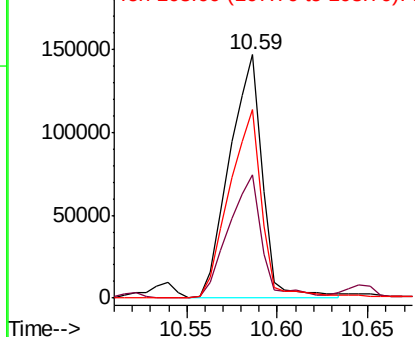


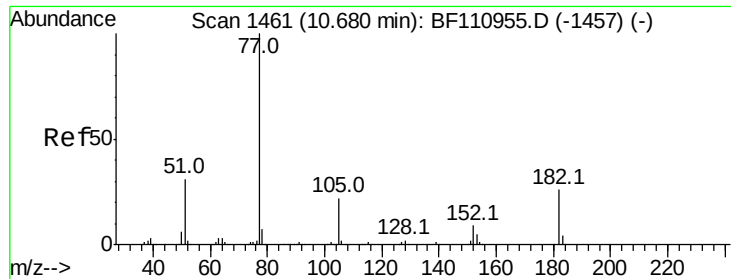
#62  
4-Nitroaniline  
Concen: 71.426 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. 0.02 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:138 Resp: 185660  
Ion Ratio Lower Upper  
138 100  
92 50.6 31.7 71.7  
108 77.6 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: 77.066 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 753408

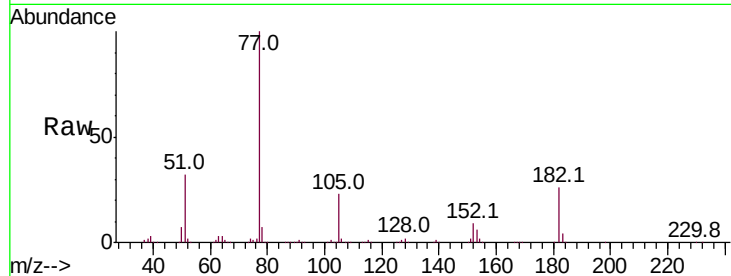
Ion Ratio Lower Upper

77 100

182 26.2 4.3 44.3

105 22.7 1.3 41.3

51 31.9 9.0 49.0

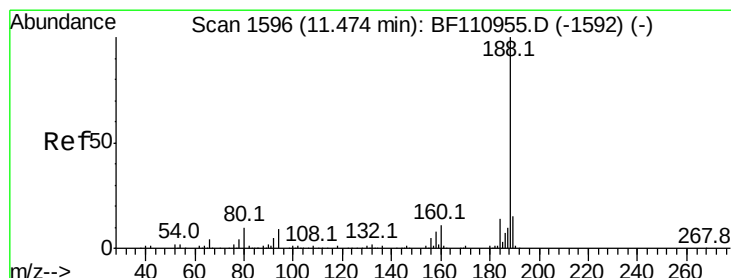
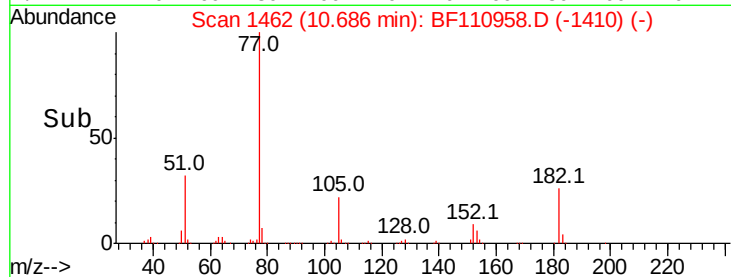
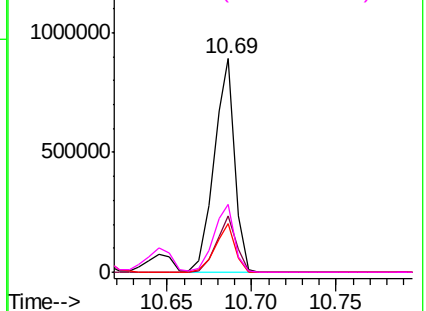


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

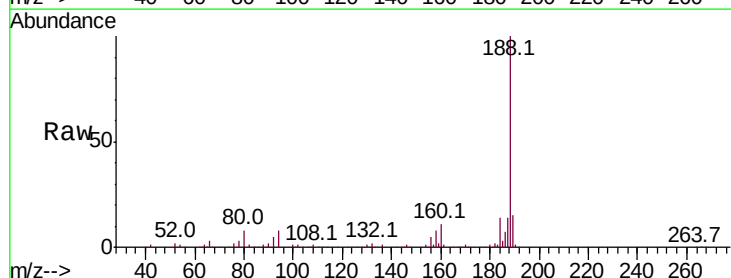
Tgt Ion: 188 Resp: 257674

Ion Ratio Lower Upper

188 100

94 7.7 7.2 10.8

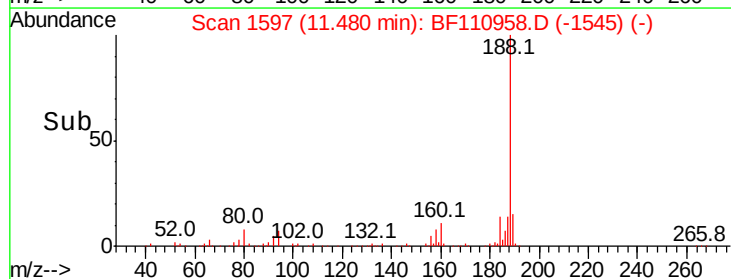
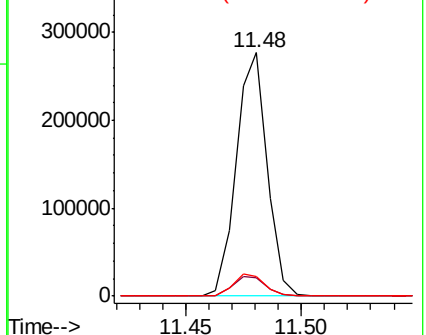
80 8.1 7.9 11.9

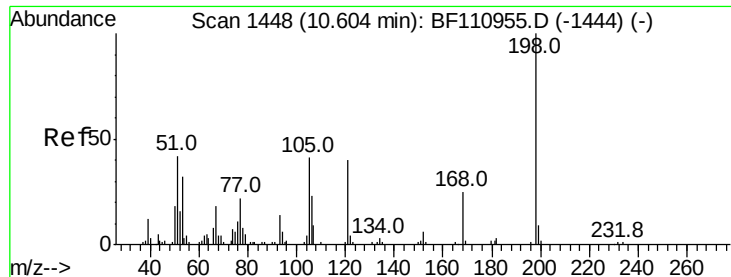


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 84.176 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

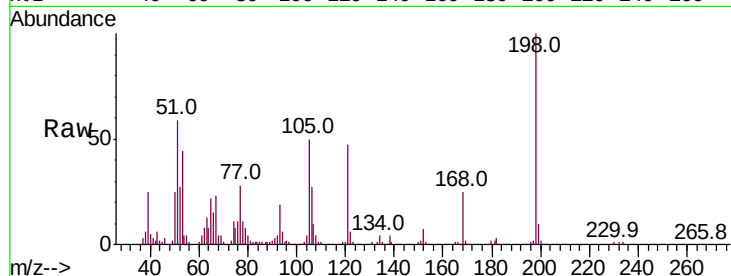
Tot Ion:198 Resp: 109315

Ion Ratio Lower Upper

198 100

51 58.8 22.8 62.8

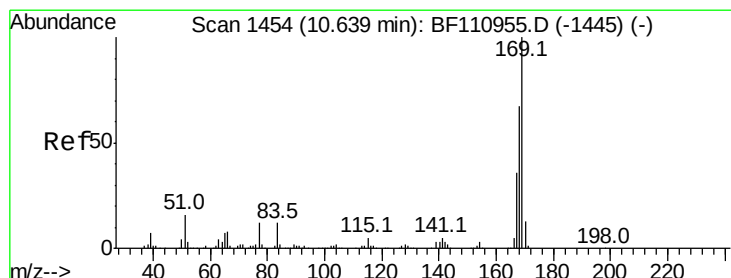
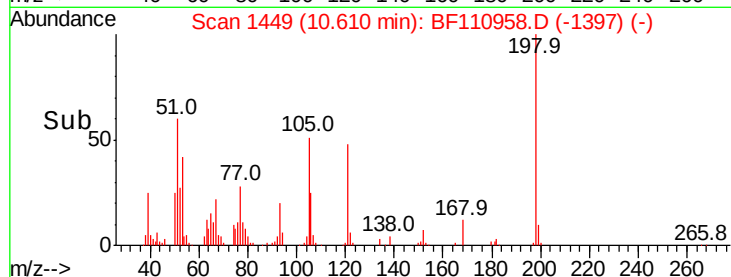
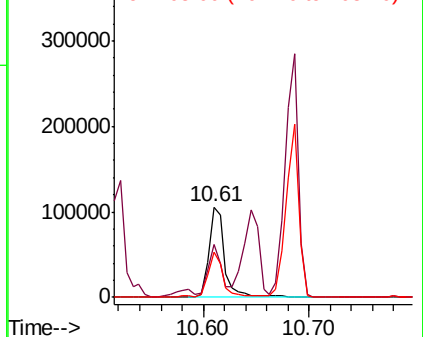
105 49.6 23.6 63.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 75.621 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

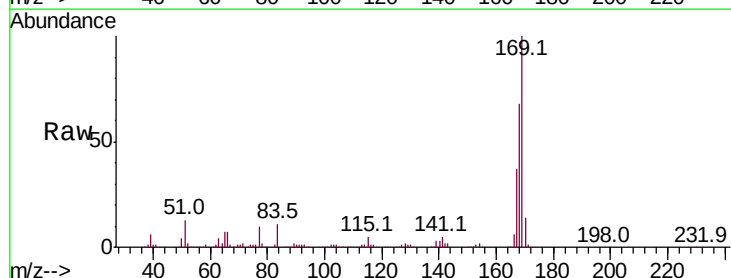
Tgt Ion:169 Resp: 656789

Ion Ratio Lower Upper

169 100

168 68.1 51.2 76.8

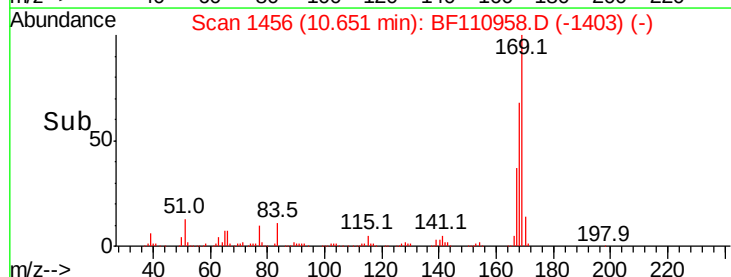
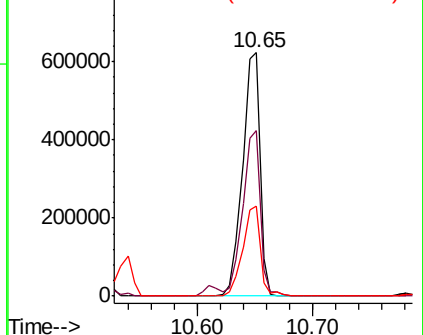
167 36.7 27.8 41.6

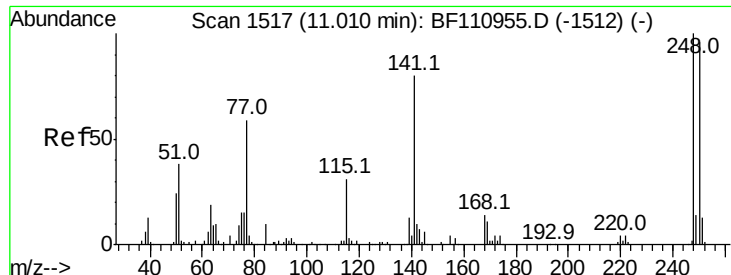


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

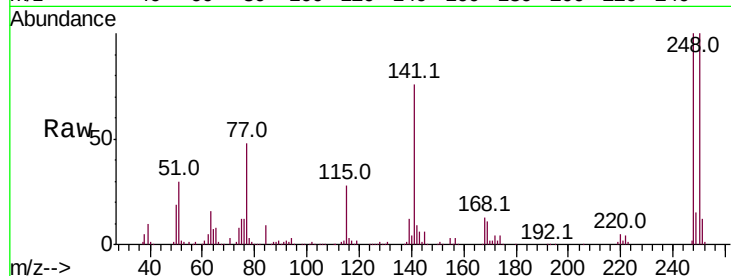




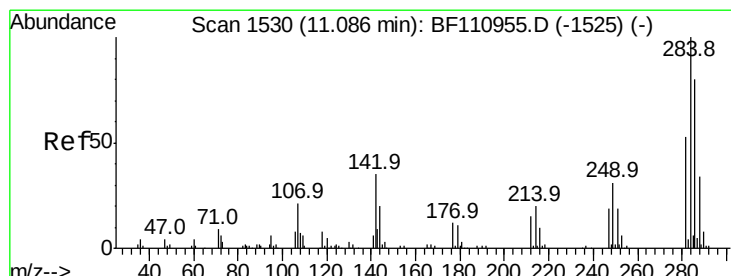
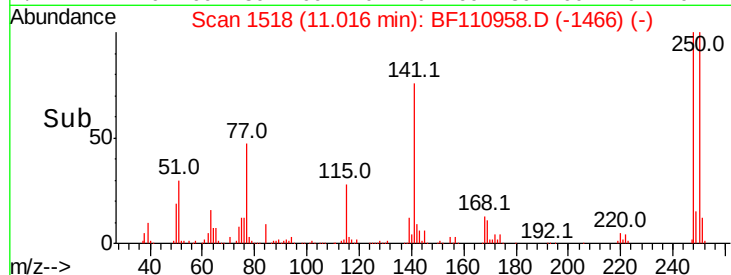
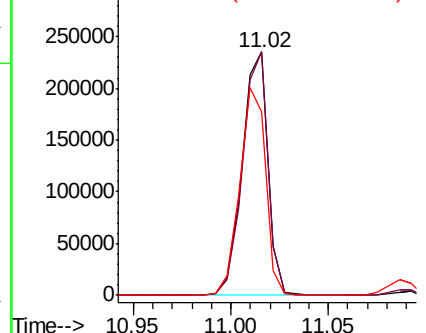
#67  
4-Bromophenyl-phenylether  
Concen: 75.228 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 214235  
Ion Ratio Lower Upper  
248 100  
250 99.9 79.4 119.2  
141 75.6 55.9 83.9

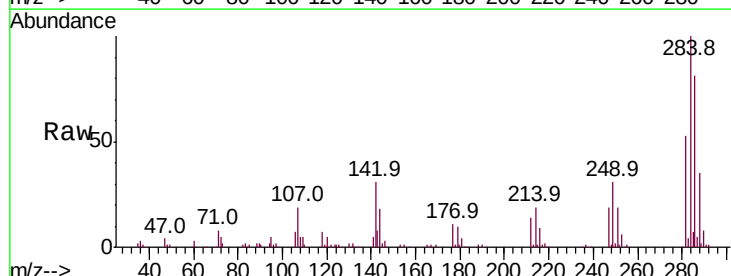


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

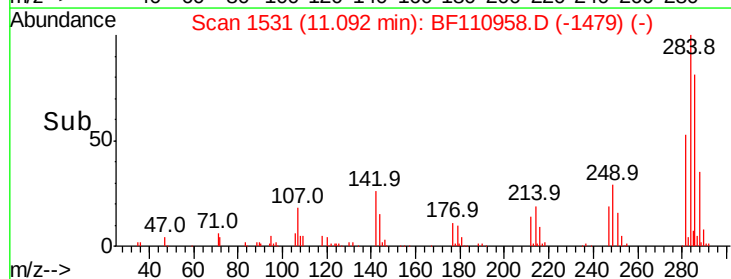
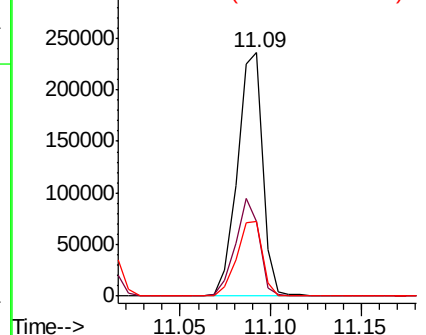


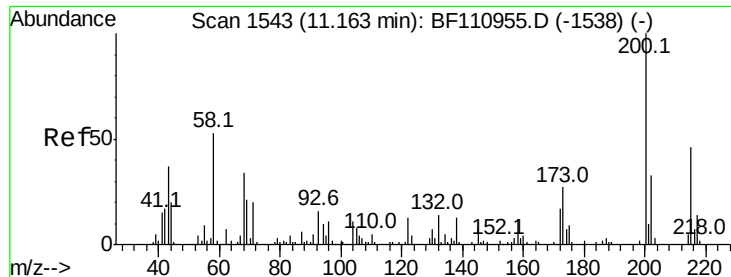
#68  
Hexachlorobenzene  
Concen: 76.018 ng  
RT: 11.09 min Scan# 1531  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:284 Resp: 228241  
Ion Ratio Lower Upper  
284 100  
142 30.7 23.9 35.9  
249 30.8 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

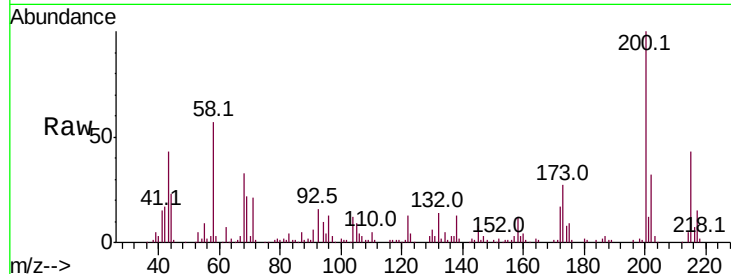




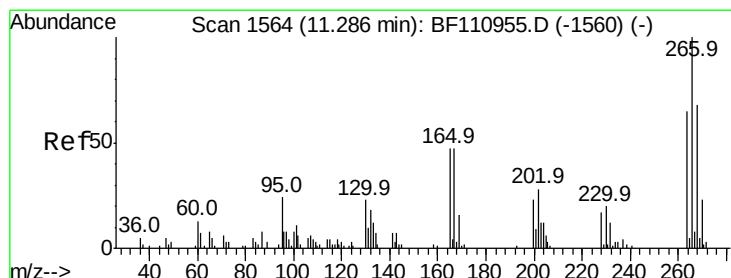
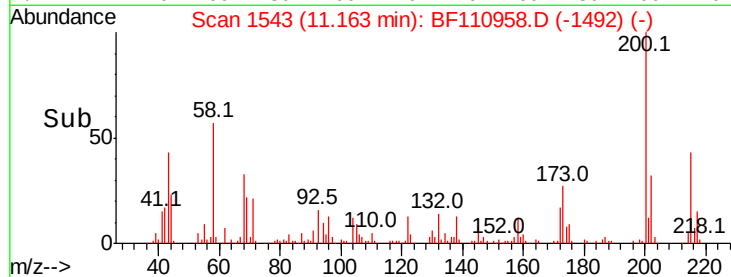
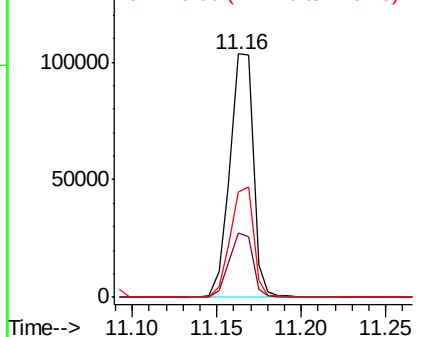
#69  
Atrazine  
Concen: 37.760 ng  
RT: 11.16 min Scan# 1543  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.6  | 6.6   | 46.6  |
| 215     | 43.2  | 26.3  | 66.3  |

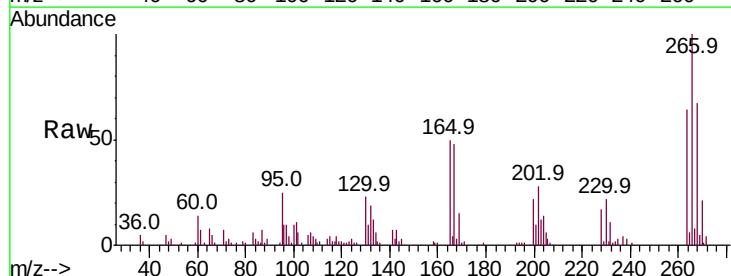


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

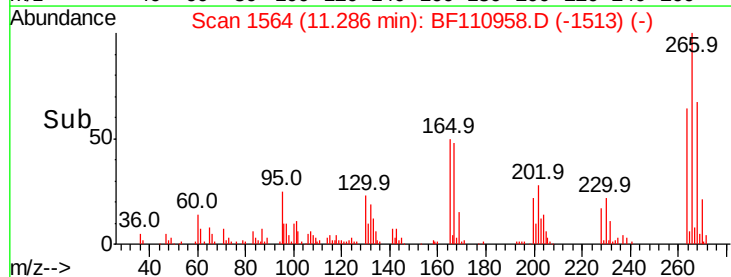
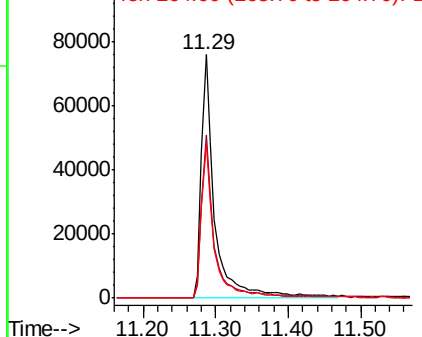


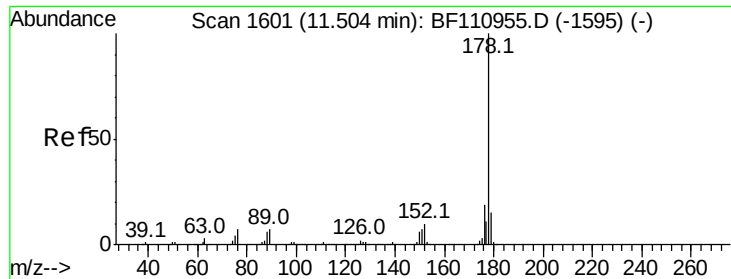
#70  
Pentachlorophenol  
Concen: 61.241 ng  
RT: 11.29 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 67.0  | 50.6  | 75.8  |
| 264     | 63.8  | 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

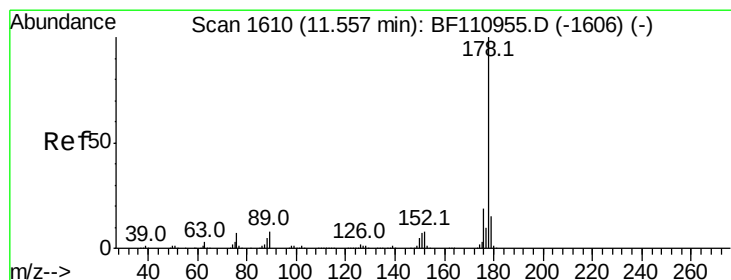
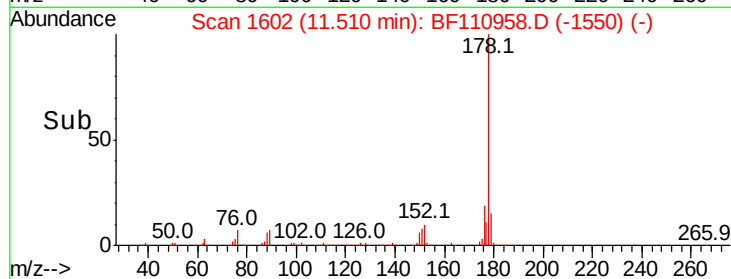
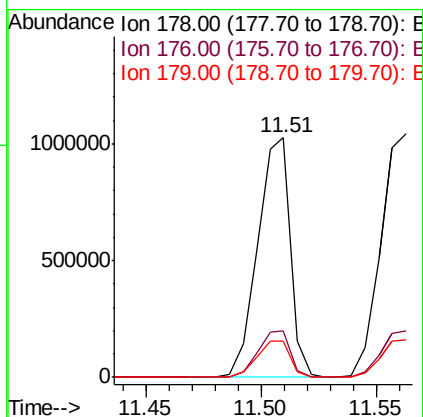
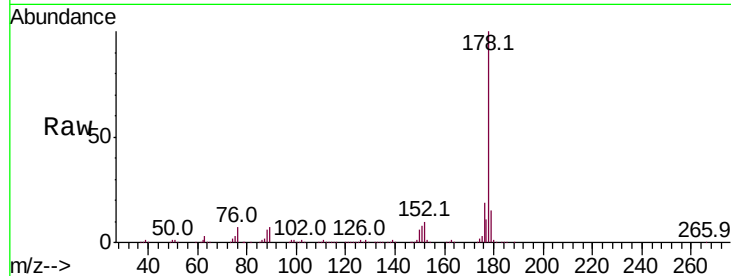




#71  
Phenanthrene  
Concen: 73.141 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

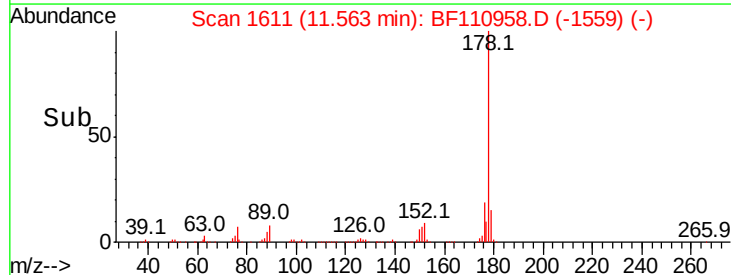
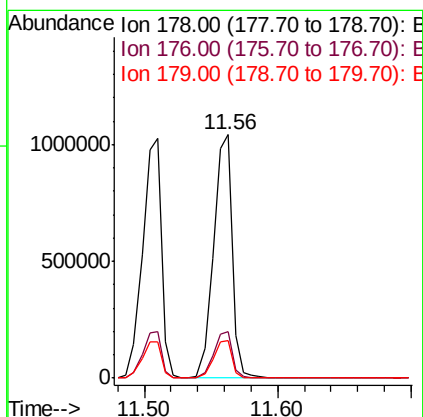
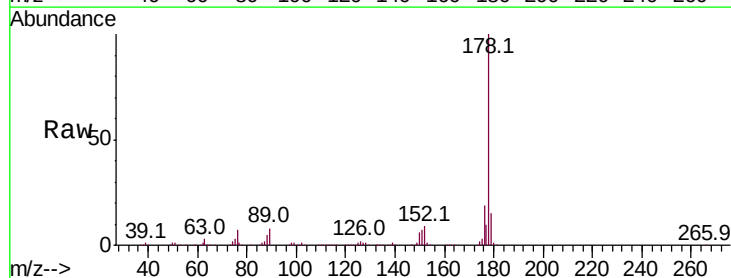
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 1009704  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.5 23.3  
179 15.2 12.5 18.7

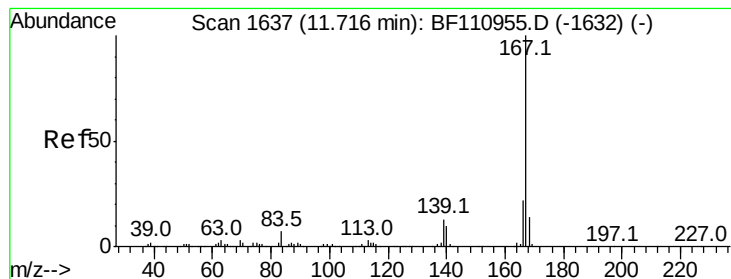


#72  
Anthracene  
Concen: 73.733 ng  
RT: 11.56 min Scan# 1611  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

Tgt Ion:178 Resp: 1026783  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.2  
179 15.2 12.6 18.8







#73

Carbazole

Concen: 74.453 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

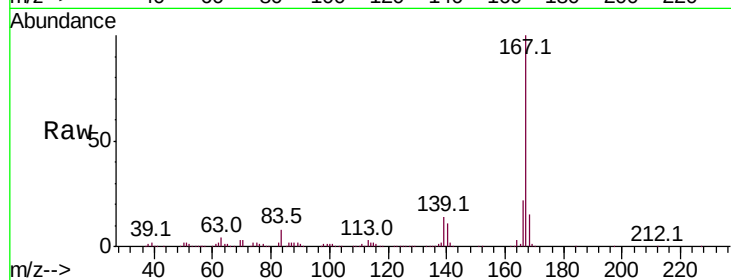
Tot Ion:167 Resp: 995723

Ion Ratio Lower Upper

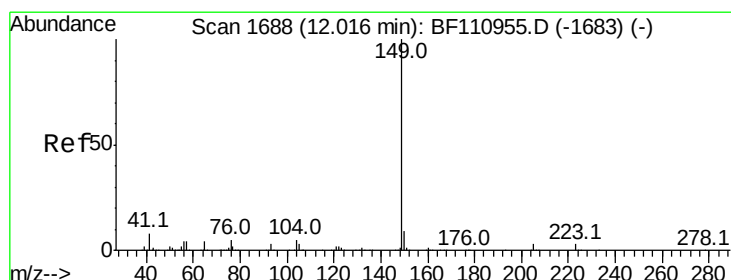
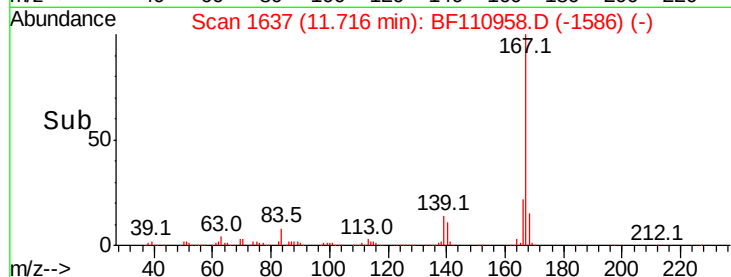
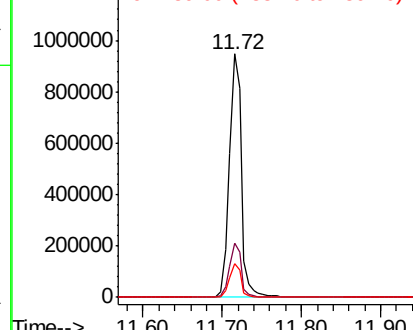
167 100

166 22.2 17.4 26.0

139 14.1 10.9 16.3



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



#74

Di-n-butylphthalate

Concen: 74.402 ng

RT: 12.02 min Scan# 1689

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

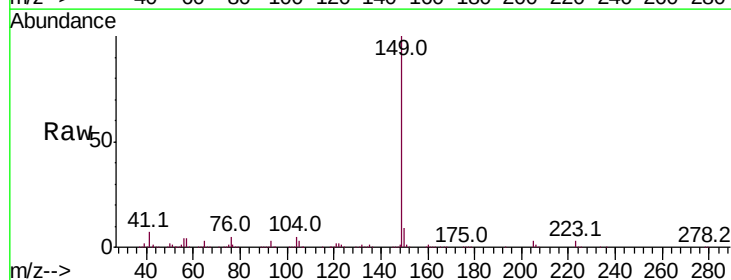
Tgt Ion:149 Resp: 1166849

Ion Ratio Lower Upper

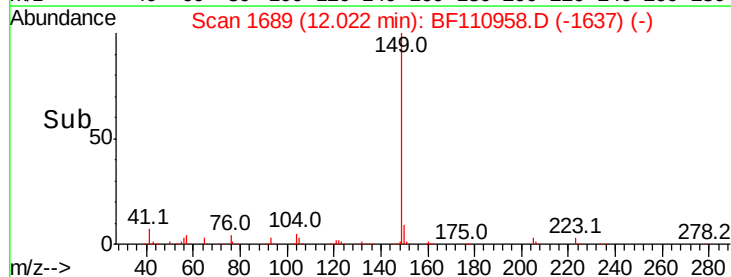
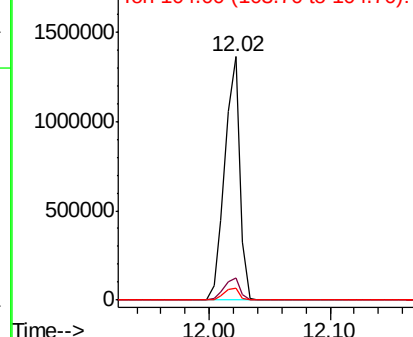
149 100

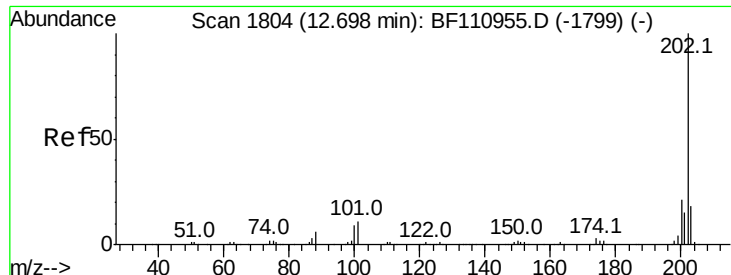
150 9.3 7.7 11.5

104 5.1 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

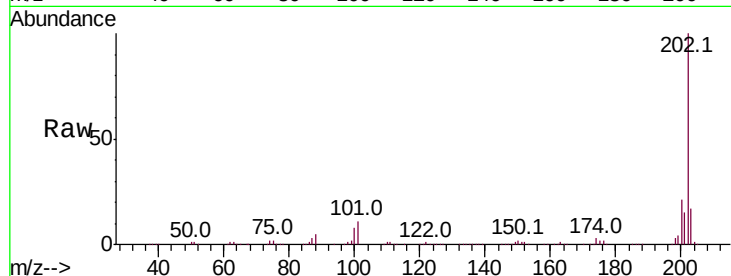




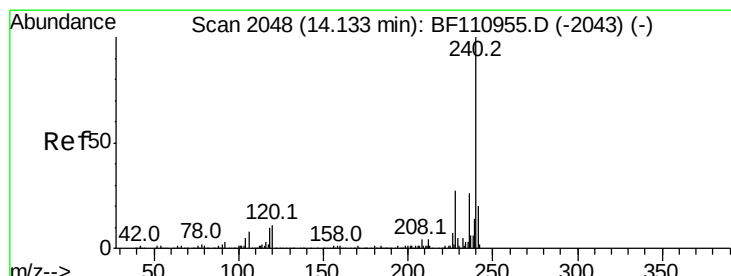
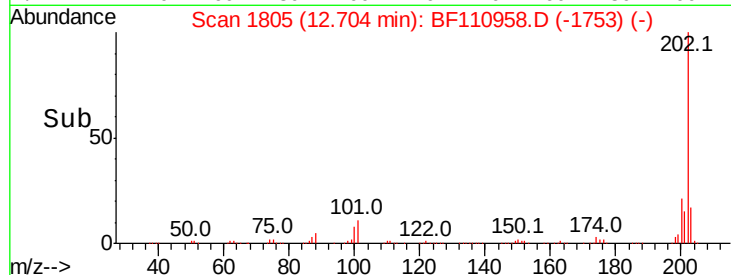
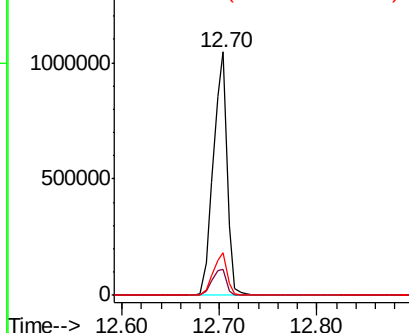
#75  
 Fluoranthene  
 Concen: 73.816 ng  
 RT: 12.70 min Scan# 1805  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:202 Resp: 1021639  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 31.4  
 203 17.5 0.0 37.7

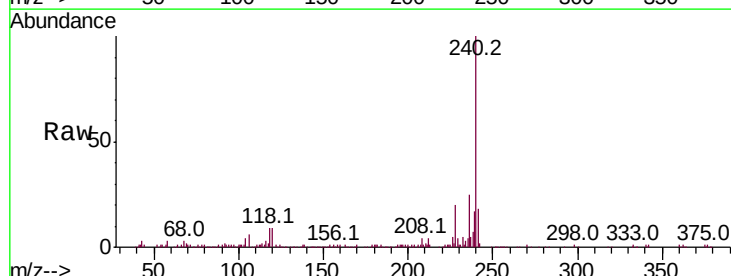


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

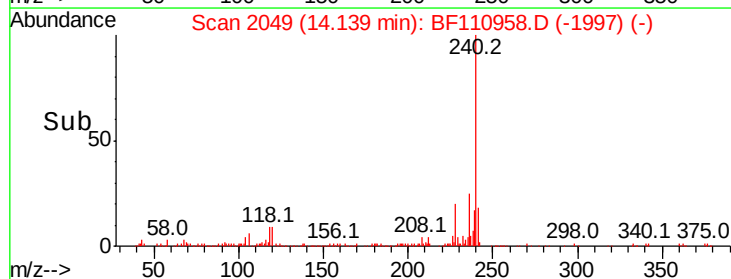
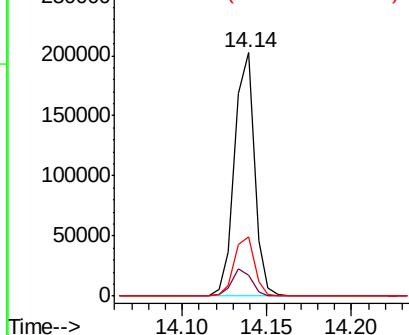


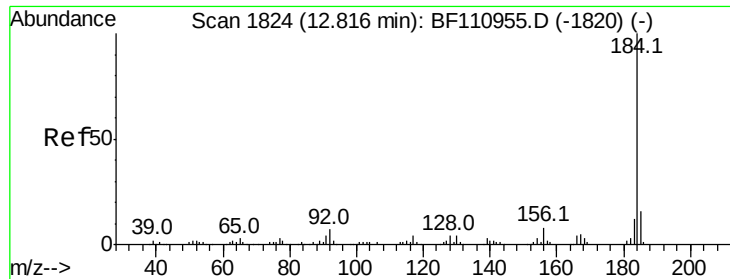
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2049  
 Delta R.T. 0.01 min  
 Lab File: BF110958.D  
 Acq: 26 Nov 2018 12:21

Tgt Ion:240 Resp: 166261  
 Ion Ratio Lower Upper  
 240 100  
 120 8.7 8.3 12.5  
 236 24.6 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: 44.243 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

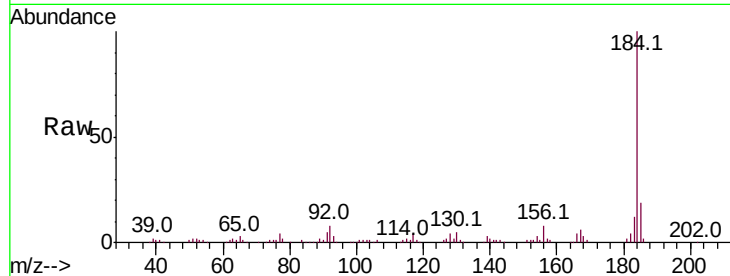
Tot Ion:184 Resp: 202289

Ion Ratio Lower Upper

184 100

185 18.7 13.4 20.2

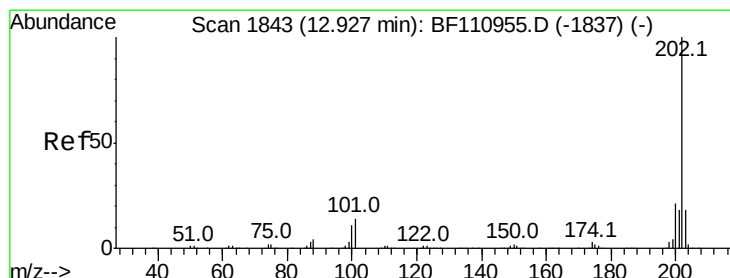
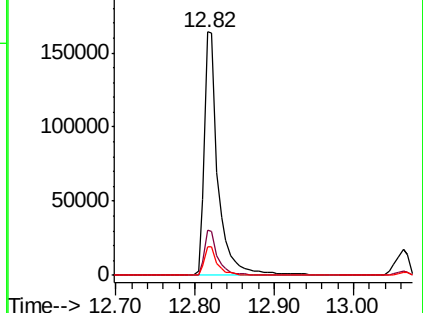
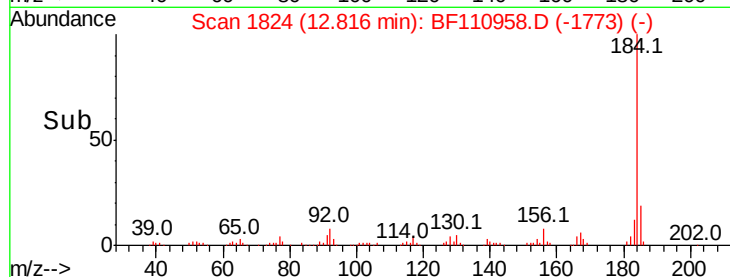
183 11.7 9.4 14.2



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: 80.462 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

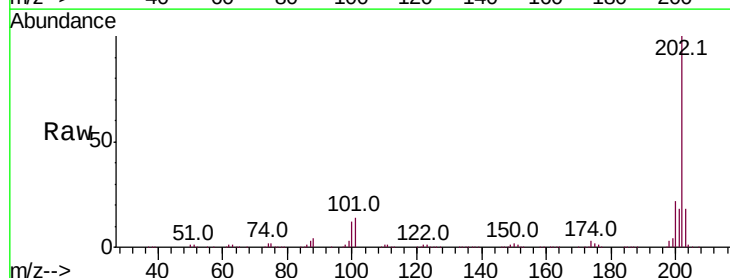
Tgt Ion:202 Resp: 1030050

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

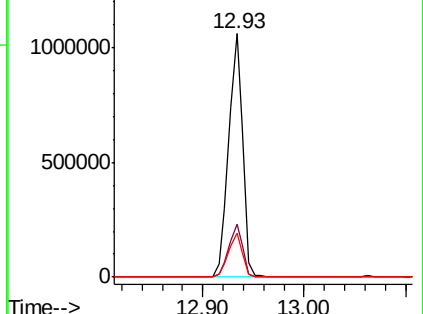
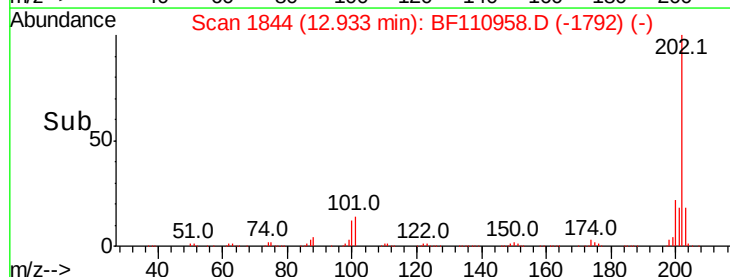
203 18.0 14.2 21.4

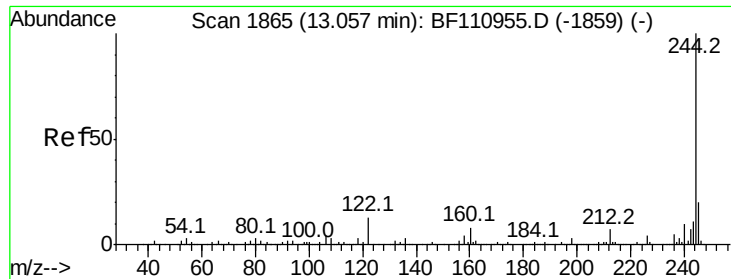


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 154.397 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

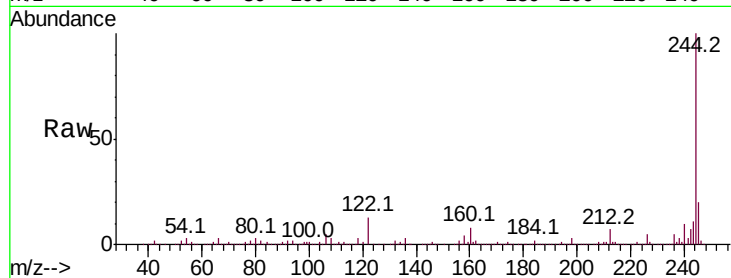
Tot Ion:244 Resp: 1370712

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

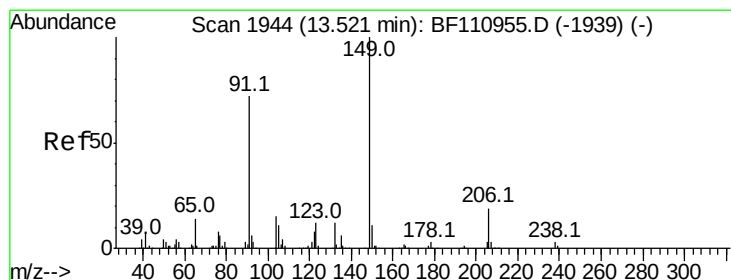
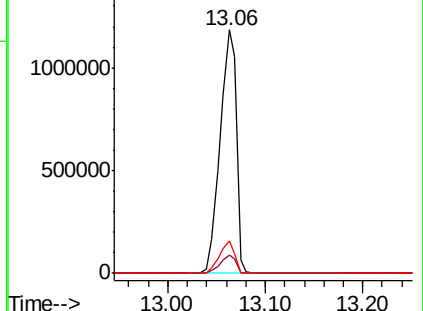
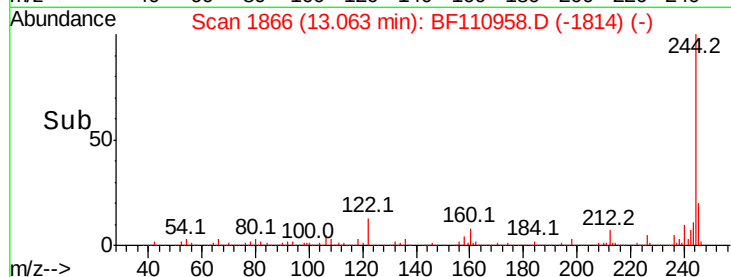
122 13.4 8.7 13.1#



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: 84.464 ng

RT: 13.53 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

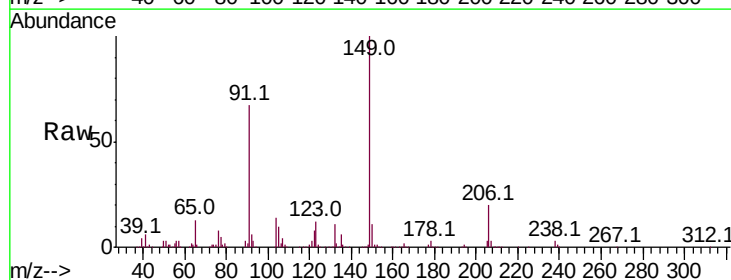
Tgt Ion:149 Resp: 465393

Ion Ratio Lower Upper

149 100

91 67.4 57.2 85.8

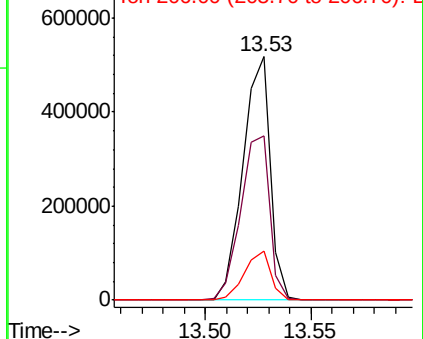
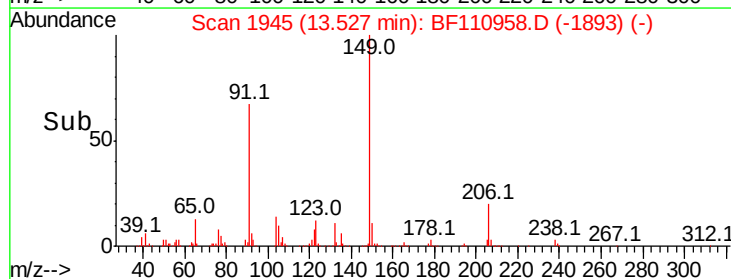
206 20.1 15.7 23.5

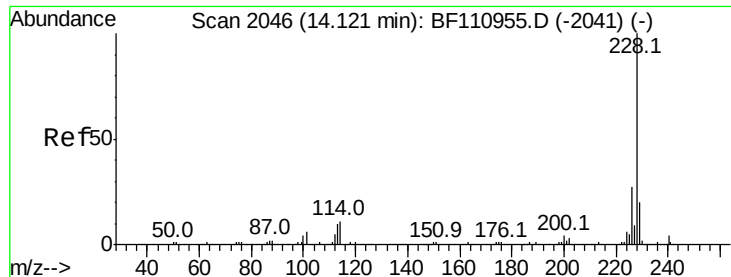


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 77.889 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

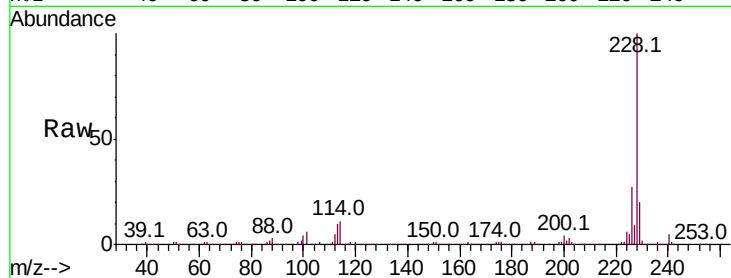
Tot Ion:228 Resp: 774024

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

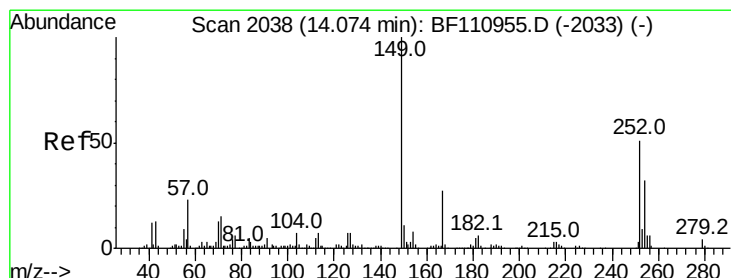
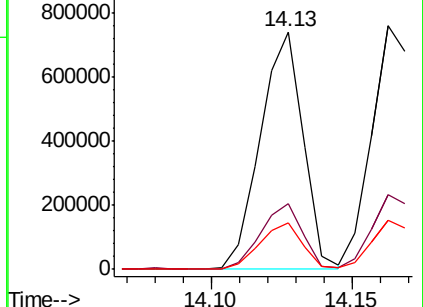
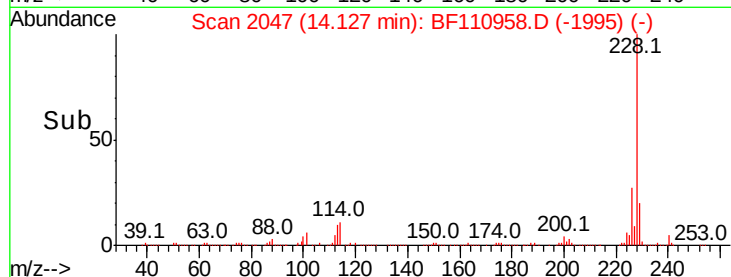
229 19.5 15.6 23.4



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: 66.305 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

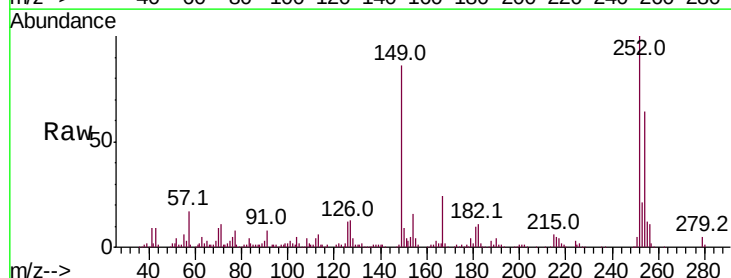
Tgt Ion:252 Resp: 220730

Ion Ratio Lower Upper

252 100

254 63.8 51.3 76.9

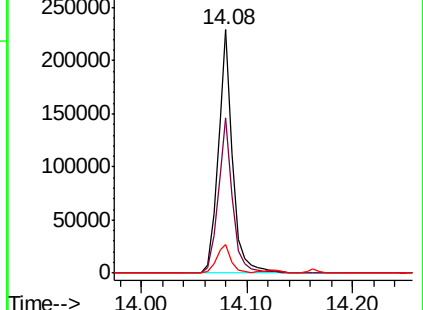
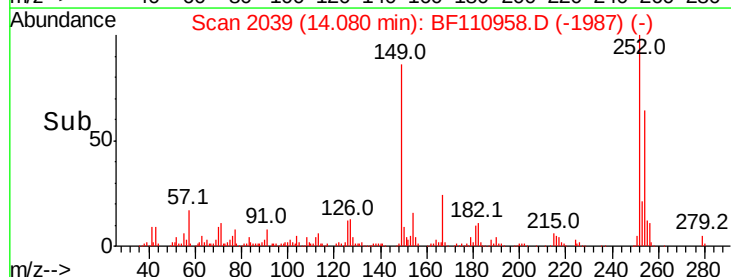
126 11.8 9.4 14.2

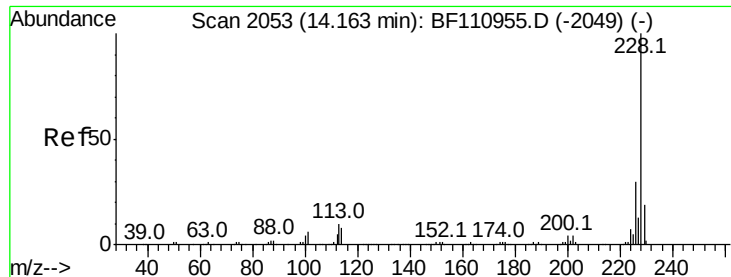


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 77.969 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

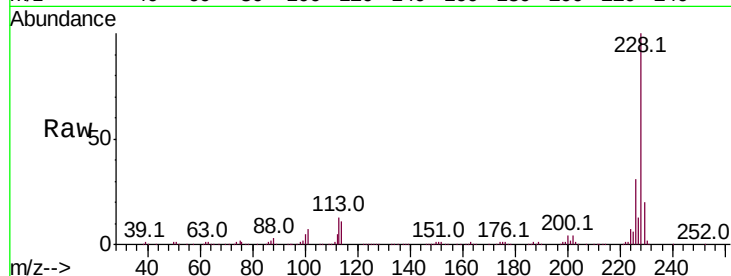
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:228 Resp: 738181

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.6  | 24.7  | 37.1  |
| 229 | 20.0  | 15.9  | 23.9  |

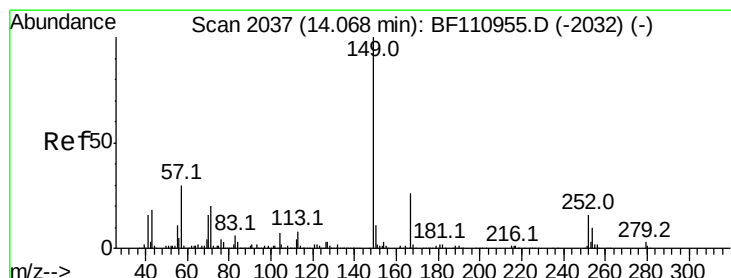
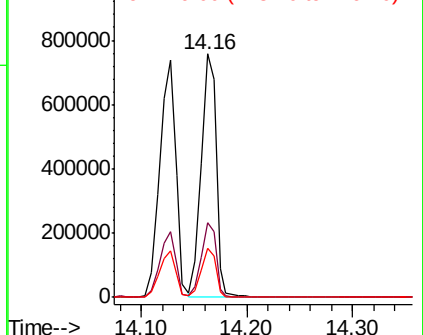
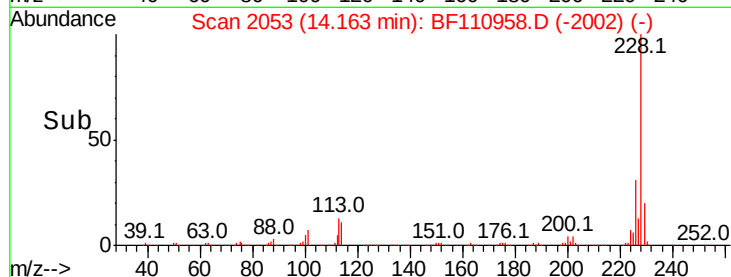


Abundance

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: 88.326 ng

RT: 14.07 min Scan# 2038

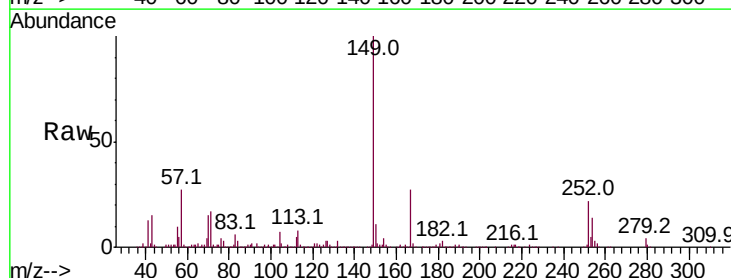
Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Tgt Ion:149 Resp: 603736

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.5  | 19.8  | 29.8  |
| 279 | 3.8   | 2.7   | 4.1   |

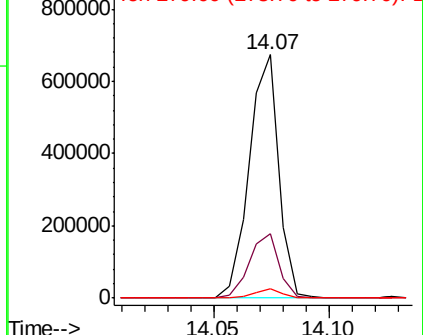
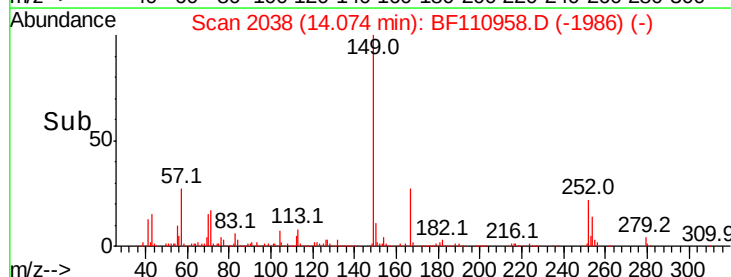


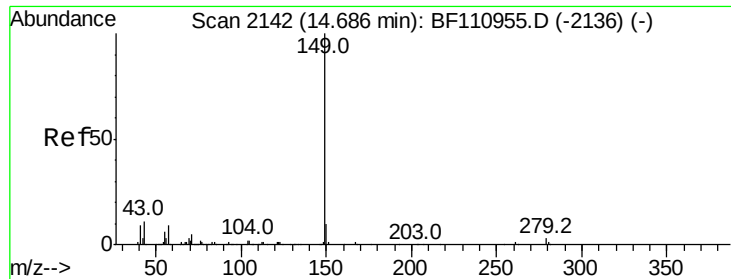
Abundance

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: 88.511 ng

RT: 14.69 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

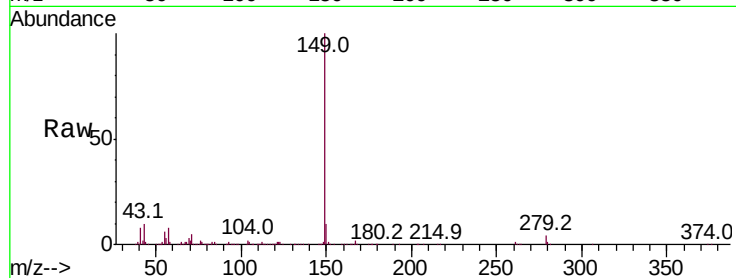
Tot Ion:149 Resp: 889667

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

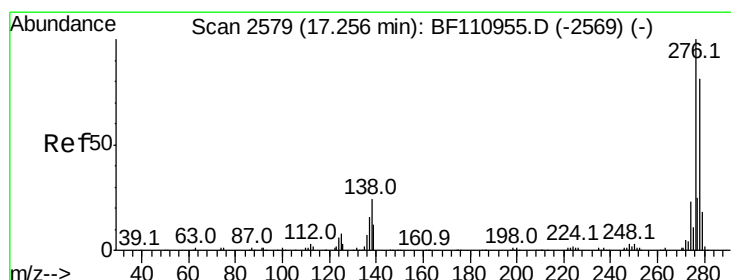
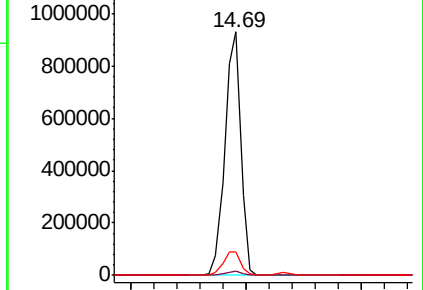
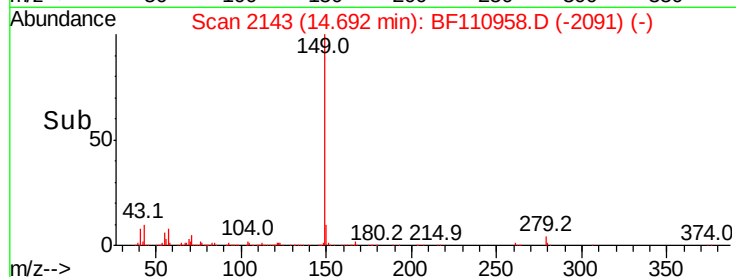
43 10.9 7.8 11.8



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: 87.430 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

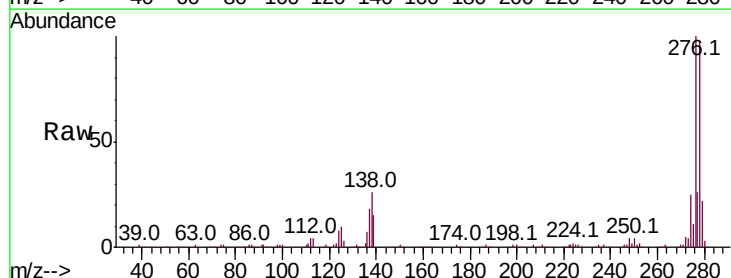
Tgt Ion:276 Resp: 593988

Ion Ratio Lower Upper

276 100

138 24.9 18.5 27.7

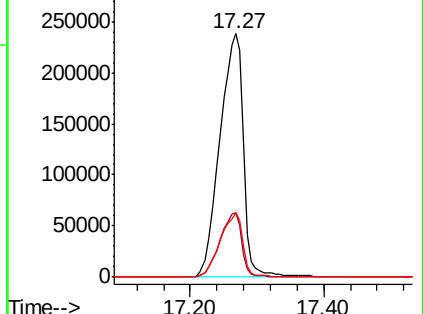
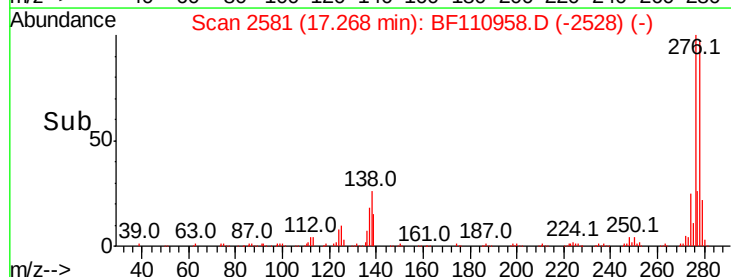
277 25.4 20.0 30.0

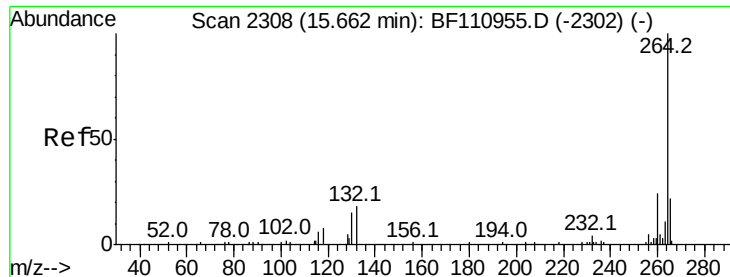


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampled :

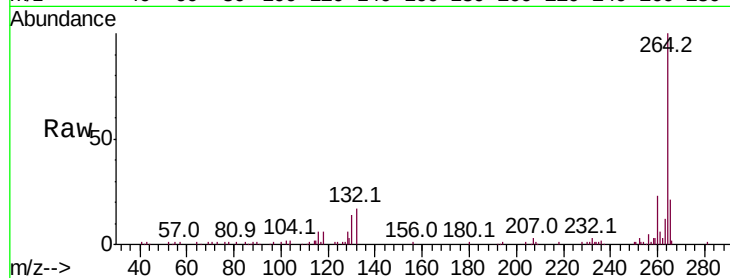
Tot Ion:264 Resp: 124533

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

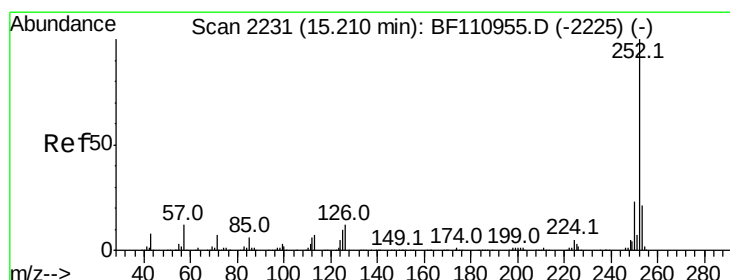
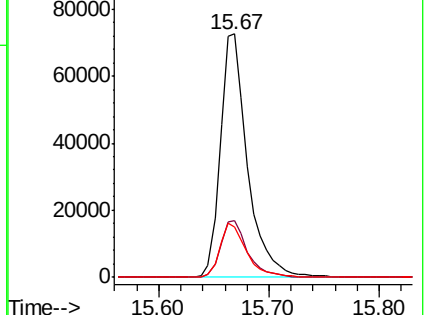
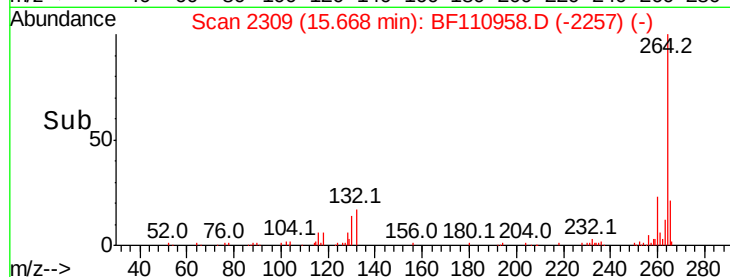
265 20.8 16.7 25.1



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: 80.103 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

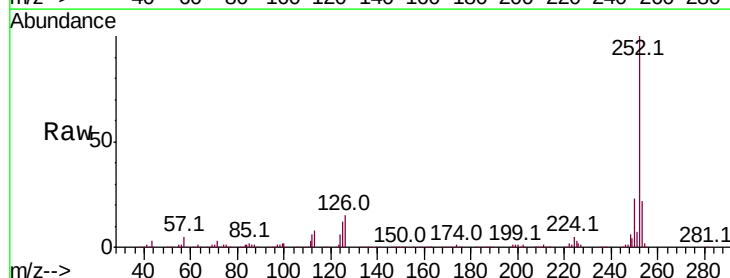
Tgt Ion:252 Resp: 596763

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

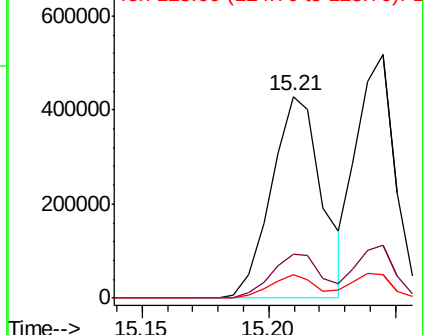
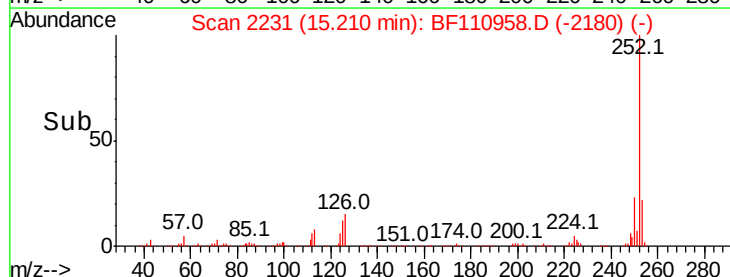
125 11.5 8.2 12.4



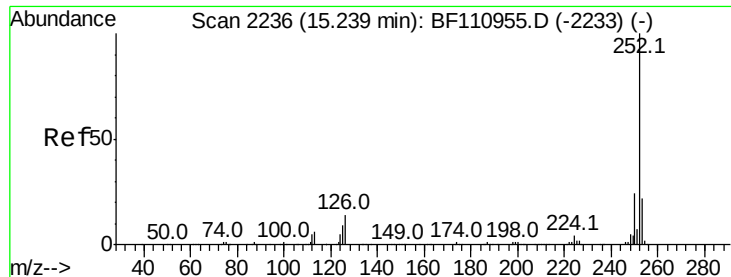
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



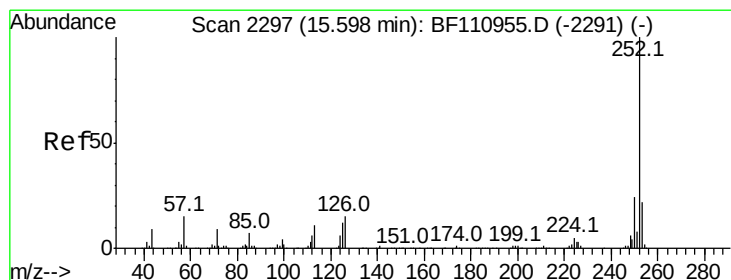
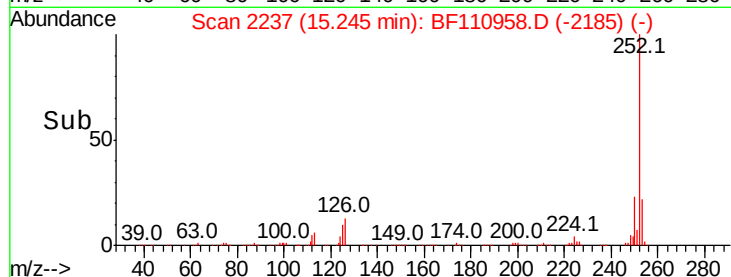
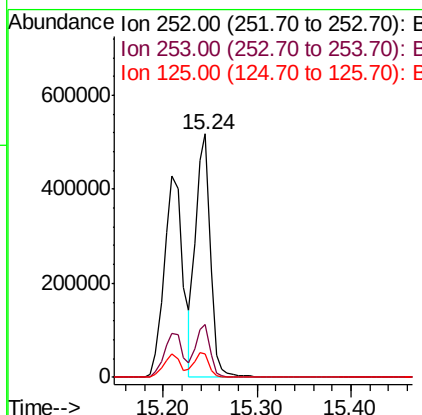
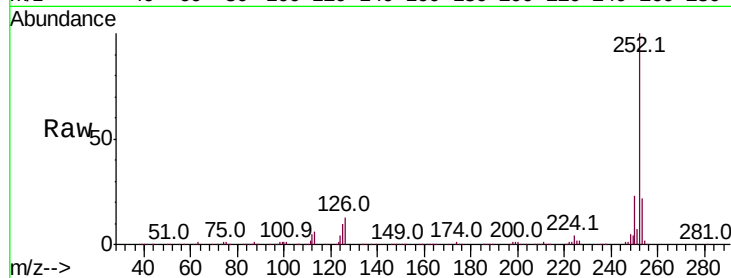




#89  
Benzo(k)fluoranthene  
Concen: 76.173 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

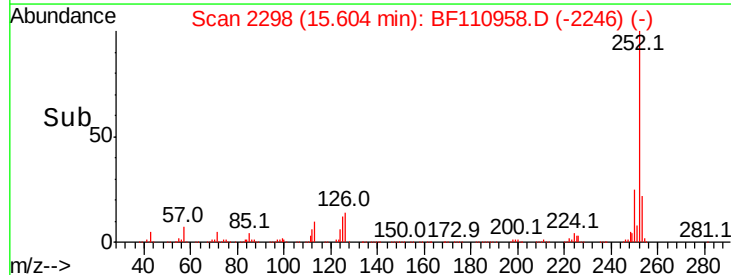
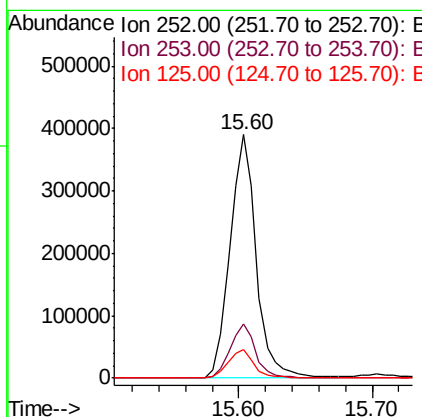
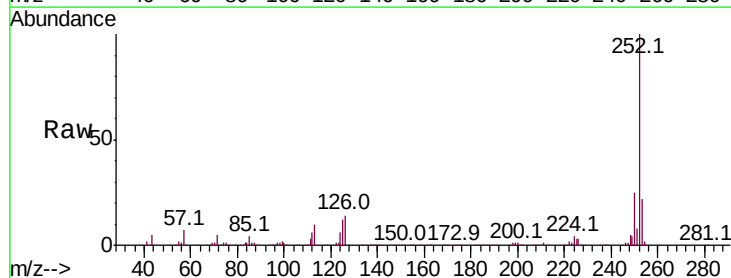
Instrument :  
BNA\_F  
ClientSampleId :

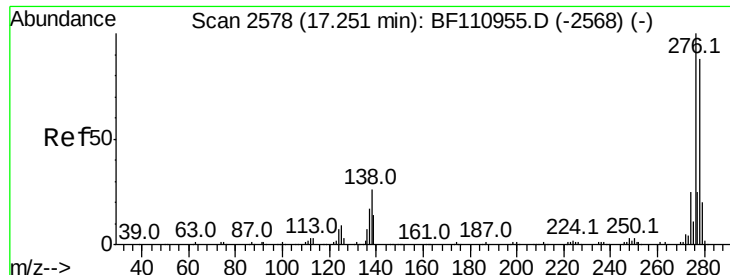
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.2  | 25.8  |
| 125     | 9.7   | 7.4   | 11.0  |



#90  
Benzo(a)pyrene  
Concen: 79.293 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. 0.01 min  
Lab File: BF110958.D  
Acq: 26 Nov 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.4  |
| 125     | 11.6  | 9.0   | 13.6  |





#91

Dibenzo(a,h)anthracene

Concen: 87.127 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

Instrument :

BNA\_F

ClientSampleId :

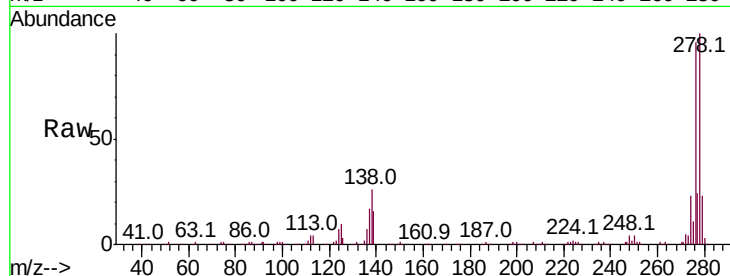
Tot Ion:278 Resp: 499074

Ion Ratio Lower Upper

278 100

139 16.4 12.7 19.1

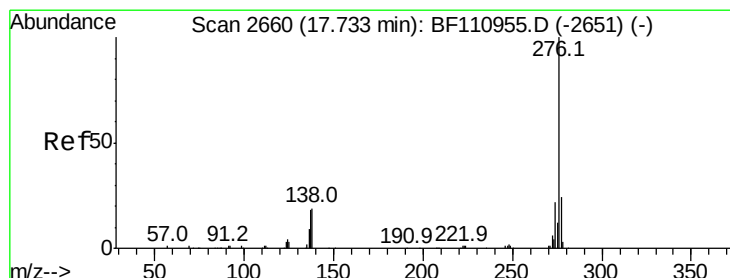
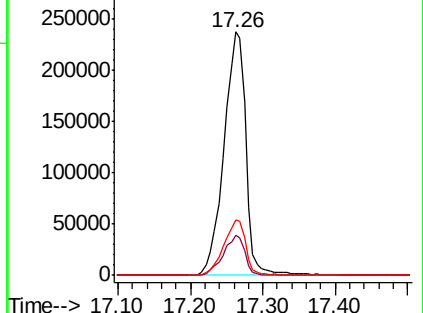
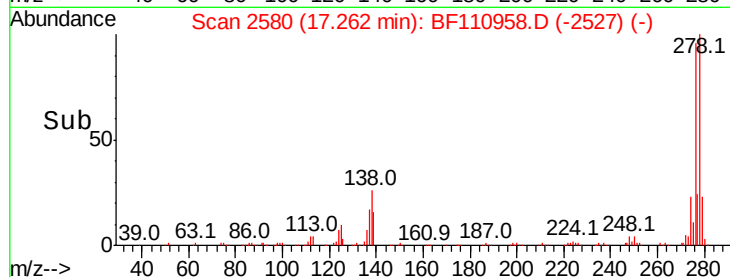
279 22.7 19.0 28.4



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: 87.478 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.01 min

Lab File: BF110958.D

Acq: 26 Nov 2018 12:21

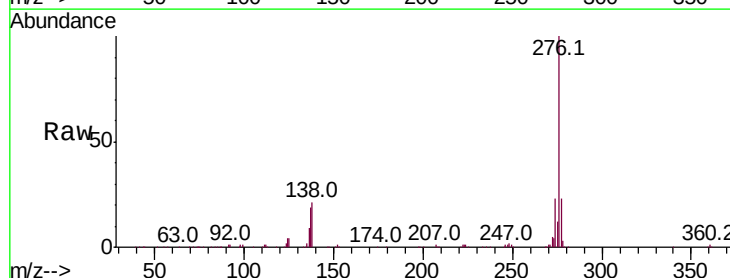
Tgt Ion:276 Resp: 497170

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 20.6 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

