

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\  
 Data File : BF118083.D  
 Acq On : 4 Dec 2019 13:09  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 05 00:37:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 03 15:16:53 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 212664   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 861897   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 397817   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.43 | 188  | 903853   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.09 | 240  | 631185   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.58 | 264  | 486814   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.50  | 112  | 939541   | 78.20  | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 1232502  | 85.05  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1215449  | 83.83  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330  | 448276   | 106.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1982311  | 89.40  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.02 | 244  | 2494560  | 72.23  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88   | 224537   | 39.983 | ng    | 99     |
| 3) Pyridine                    | 3.40 | 79   | 611718   | 41.525 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.36 | 42   | 238491   | 37.087 | ng    | 85     |
| 6) Aniline                     | 6.55 | 93   | 810540   | 42.327 | ng    | 98     |
| 8) 2-Chlorophenol              | 6.67 | 128  | 587685   | 45.080 | ng    | 99     |
| 9) Benzaldehyde                | 6.43 | 77   | 347936   | 36.076 | ng    | 99     |
| 10) Phenol                     | 6.53 | 94   | 703750   | 46.735 | ng    | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93   | 531126   | 43.922 | ng    | 94     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146  | 625266   | 40.740 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146  | 655582   | 42.259 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146  | 633946   | 42.727 | ng    | 100    |
| 15) Benzyl Alcohol             | 7.03 | 79   | 489527   | 43.755 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45   | 673490   | 36.175 | ng    | 98     |
| 17) 2-Methylphenol             | 7.14 | 107  | 474712   | 43.000 | ng    | 99     |
| 18) Hexachloroethane           | 7.40 | 117  | 260935   | 45.786 | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70   | 389291   | 43.546 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.29 | 107  | 591257   | 43.144 | ng    | 98     |
| 22) Acetophenone               | 7.30 | 105  | 813552   | 42.013 | ng    | 98     |
| 24) Nitrobenzene               | 7.47 | 77   | 596833   | 39.902 | ng    | 97     |
| 25) Isophorone                 | 7.71 | 82   | 1084132  | 40.796 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.79 | 139  | 346693   | 47.621 | ng    | 96     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122  | 426977   | 37.743 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93   | 637576   | 37.809 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 8.03 | 162  | 513510   | 41.848 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180  | 604208   | 42.450 | ng    | 99     |
| 31) Naphthalene                | 8.19 | 128  | 1748570  | 43.518 | ng    | 98     |
| 32) Benzoic acid               | 7.96 | 122  | 367937   | 38.844 | ng    | 99     |
| 33) 4-Chloroaniline            | 8.24 | 127  | 786094   | 43.701 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.31 | 225  | 358898   | 43.127 | ng    | 96     |
| 35) Caprolactam                | 8.63 | 113  | 131479   | 33.713 | ng    | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107  | 440766   | 35.393 | ng    | 96     |
| 37) 2-Methylnaphthalene        | 8.89 | 142  | 967035   | 35.620 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 8.99 | 142  | 914791   | 35.641 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216  | 468855   | 40.583 | ng    | 100    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\  
 Data File : BF118083.D  
 Acq On : 4 Dec 2019 13:09  
 Operator : JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

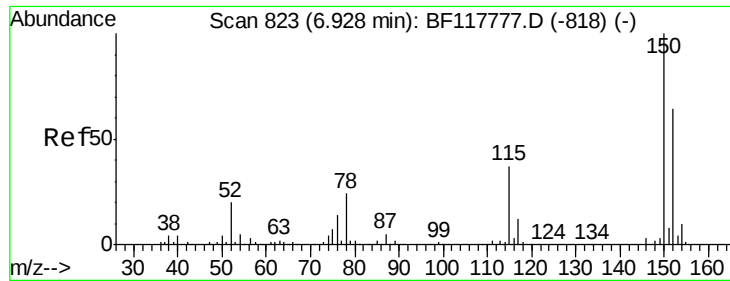
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 05 00:37:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 03 15:16:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.04  | 237  | 206677   | 31.923 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.17  | 196  | 320209   | 38.696 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 329826   | 38.389 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 1235787  | 41.871 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.38  | 162  | 990813   | 40.808 | nq    | 99       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 290951   | 39.692 | nq    | 99       |
| 49) Acenaphthylene             | 9.80  | 152  | 1494106  | 42.207 | nq    | 99       |
| 50) Dimethylphthalate          | 9.66  | 163  | 1191548  | 42.713 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 261929   | 42.961 | nq    | # 84     |
| 52) Acenaphthene               | 9.97  | 154  | 917201   | 40.447 | nq    | 97       |
| 53) 3-Nitroaniline             | 9.89  | 138  | 313700   | 43.000 | nq    | 92       |
| 54) 2,4-Dinitrophenol          | 10.00 | 184  | 132785   | 45.784 | nq    | 97       |
| 55) Dibenzofuran               | 10.14 | 168  | 1375975  | 43.819 | nq    | 98       |
| 56) 4-Nitrophenol              | 10.05 | 139  | 214278   | 39.349 | nq    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.13 | 165  | 364622   | 47.014 | nq    | 93       |
| 58) Fluorene                   | 10.49 | 166  | 1180378  | 48.508 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 295764   | 41.897 | nq    | 99       |
| 60) Diethylphthalate           | 10.36 | 149  | 1269858  | 46.690 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 608313   | 49.260 | nq    | 95       |
| 62) 4-Nitroaniline             | 10.51 | 138  | 372553   | 51.003 | nq    | 96       |
| 63) Azobenzene                 | 10.64 | 77   | 1141505  | 46.134 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 200738   | 47.574 | nq    | 88       |
| 66) n-Nitrosodiphenylamine     | 10.60 | 169  | 1062730  | 40.401 | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.97 | 248  | 400890   | 41.107 | nq    | 97       |
| 68) Hexachlorobenzene          | 11.04 | 284  | 456219   | 40.118 | nq    | 98       |
| 69) Atrazine                   | 11.12 | 200  | 339611   | 39.248 | nq    | 99       |
| 70) Pentachlorophenol          | 11.23 | 266  | 223557   | 33.649 | nq    | 98       |
| 71) Phenanthrene               | 11.46 | 178  | 1862625  | 40.988 | nq    | 99       |
| 72) Anthracene                 | 11.50 | 178  | 1795313  | 39.847 | nq    | 99       |
| 73) Carbazole                  | 11.66 | 167  | 1574220  | 39.983 | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.99 | 149  | 1938922  | 39.553 | nq    | 99       |
| 75) Fluoranthene               | 12.65 | 202  | 1936236  | 47.149 | nq    | 98       |
| 77) Benzidine                  | 12.76 | 184  | 612503   | 29.625 | nq    | 99       |
| 78) Pyrene                     | 12.88 | 202  | 1676972  | 32.876 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.49 | 149  | 910052   | 41.539 | nq    | 97       |
| 81) Benzo(a)anthracene         | 14.07 | 228  | 1702681  | 40.822 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 14.03 | 252  | 586026   | 40.167 | nq    | 99       |
| 83) Chrysene                   | 14.11 | 228  | 1587559  | 39.280 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.05 | 149  | 1220897  | 45.966 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.67 | 149  | 1742665  | 44.660 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.11 | 276  | 1284100  | 37.330 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 15.14 | 252  | 1574867  | 49.793 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.17 | 252  | 1391012  | 46.676 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.52 | 252  | 1117893  | 40.194 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.13 | 278  | 1067353  | 44.587 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.57 | 276  | 830104   | 34.815 | nq    | 99       |

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



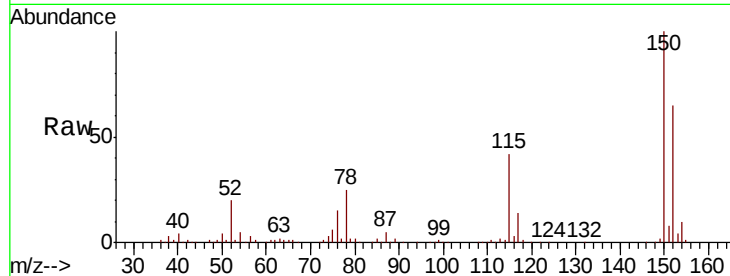


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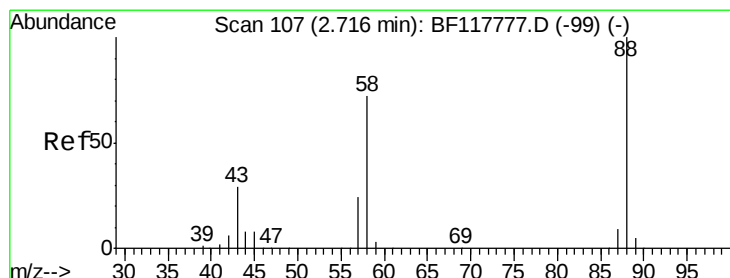
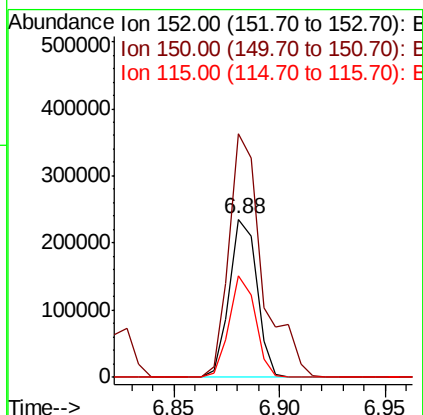
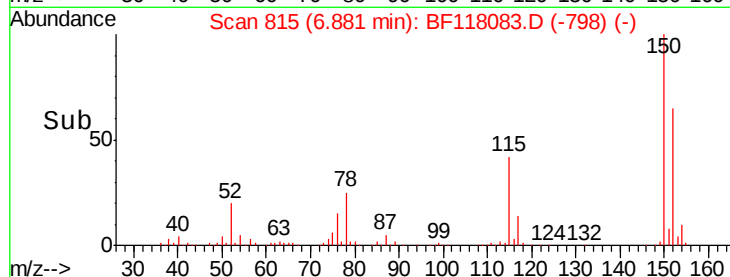
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 212664  
Ion Ratio Lower Upper  
152 100  
150 154.3 121.4 182.2  
115 64.2 48.8 73.2



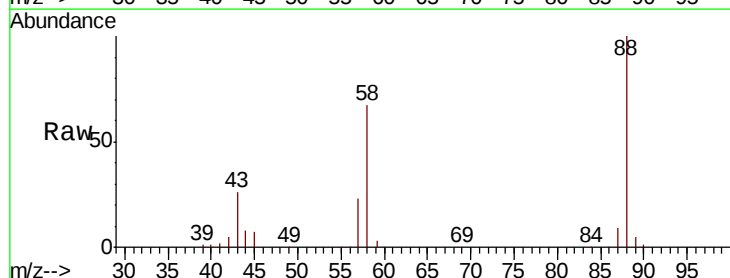
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



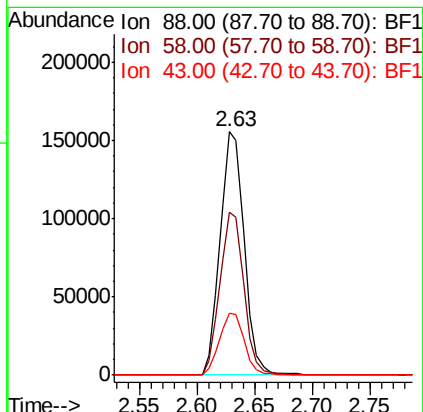
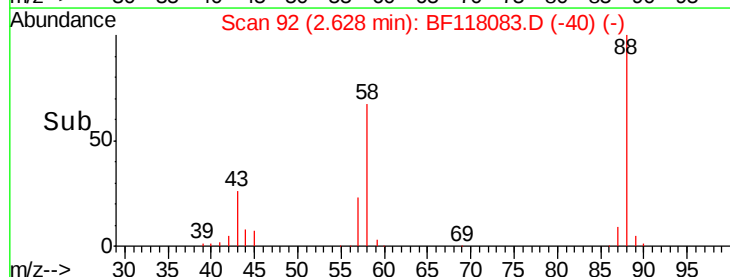
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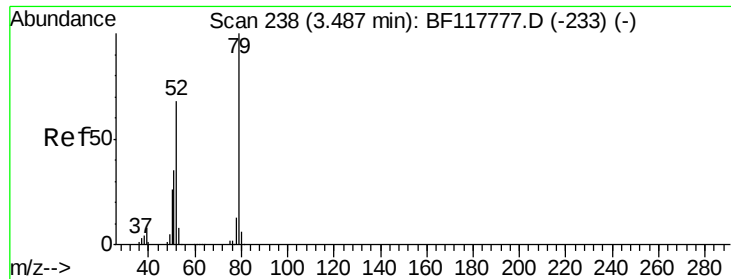
1,4-Dioxane  
Concen: 39.983 ng  
RT: 2.63 min Scan# 92  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion: 88 Resp: 224537  
Ion Ratio Lower Upper  
88 100  
58 66.7 52.6 78.8  
43 26.2 21.8 32.6



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: 41.525 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.02 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

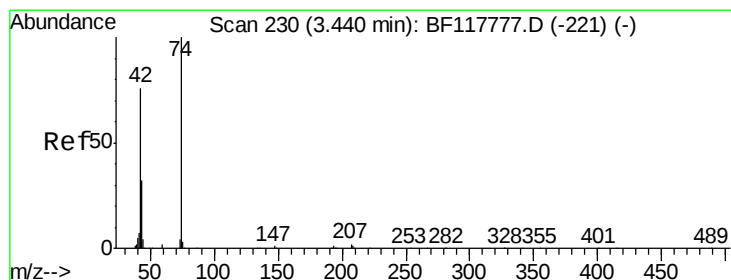
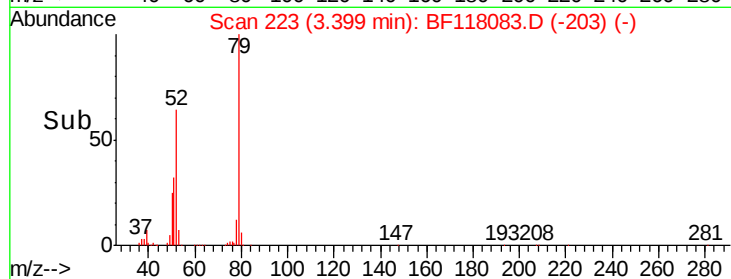
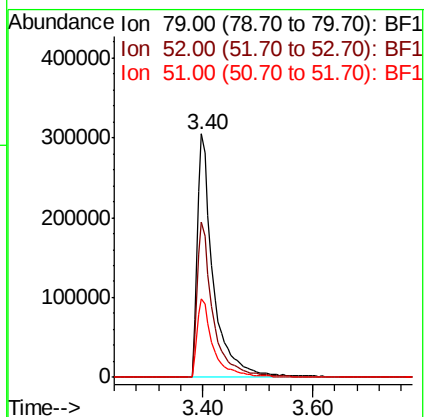
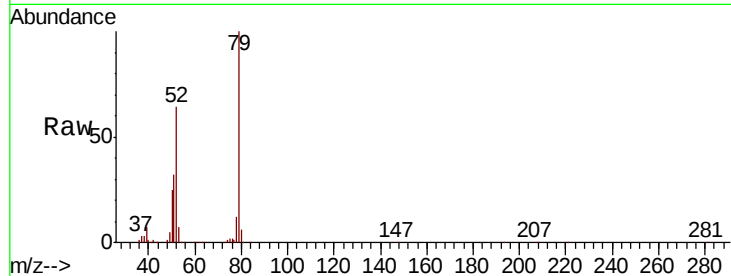
Tot Ion: 79 Resp: 611718

Ion Ratio Lower Upper

79 100

52 63.9 50.6 75.8

51 32.3 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 37.087 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.02 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

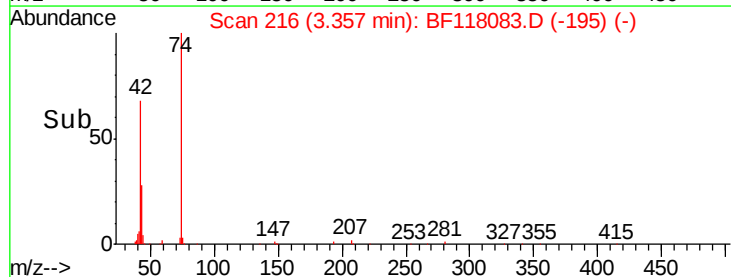
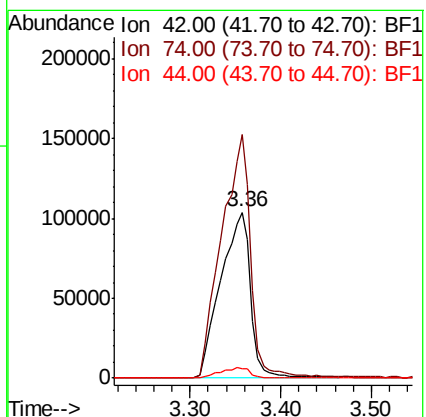
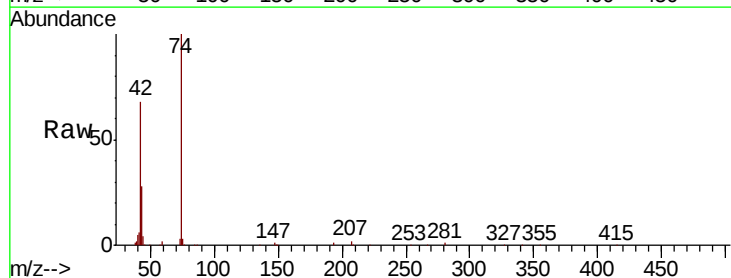
Tgt Ion: 42 Resp: 238491

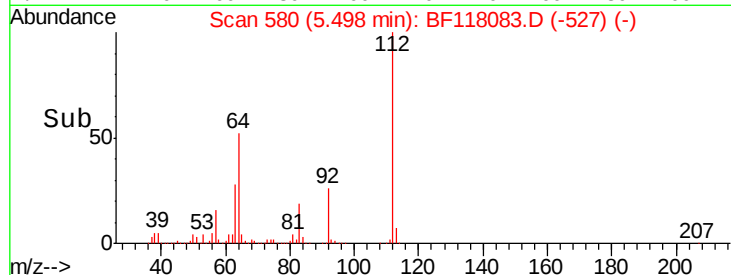
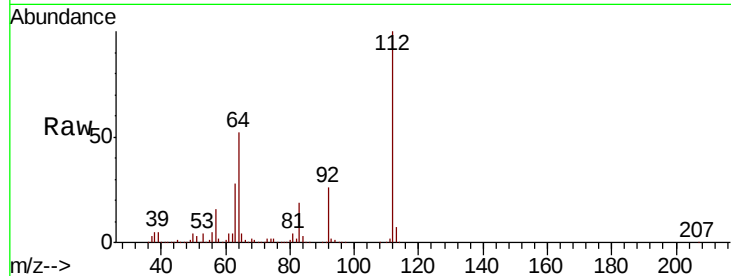
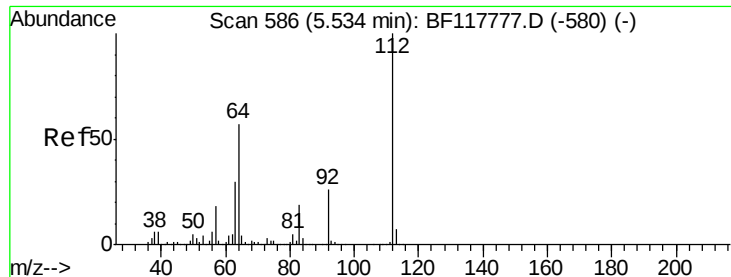
Ion Ratio Lower Upper

42 100

74 146.9 102.8 154.2

44 5.9 4.7 7.1

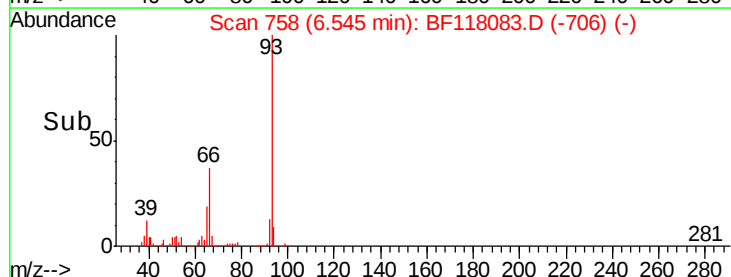
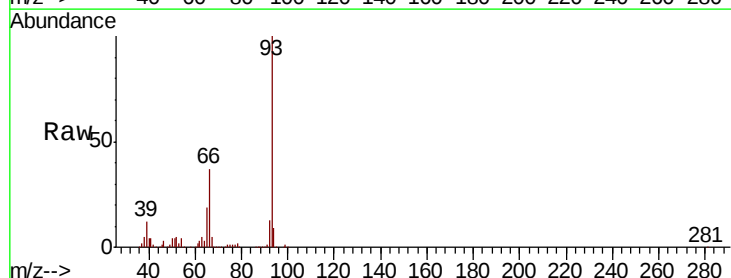
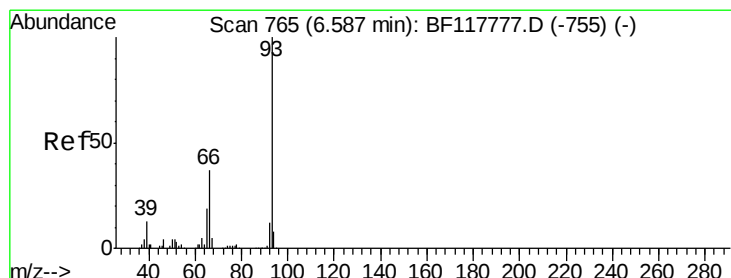
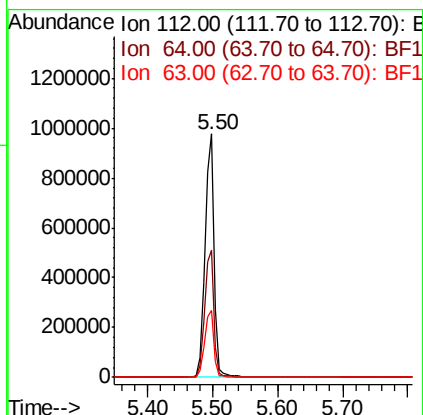




#5  
2-Fluorophenol  
Concen: 78.203 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

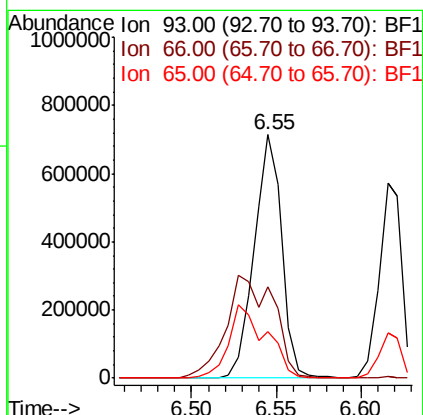
Instrument :  
BNA\_F  
ClientSampleId :

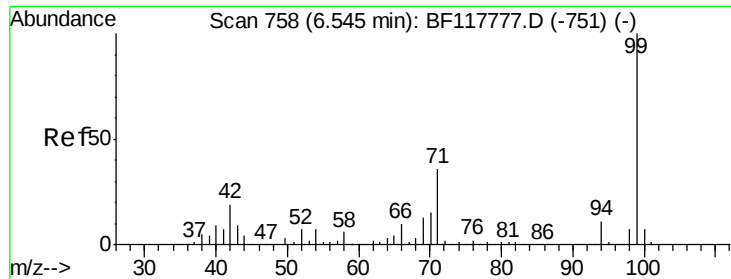
Tot Ion:112 Resp: 939541  
Ion Ratio Lower Upper  
112 100  
64 52.3 45.1 67.7  
63 27.7 24.6 37.0



#6  
Aniline  
Concen: 42.327 ng  
RT: 6.55 min Scan# 758  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion: 93 Resp: 810540  
Ion Ratio Lower Upper  
93 100  
66 37.4 31.0 46.6  
65 18.9 15.8 23.8





#7

Phenol-d6

Concen: 85.053 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

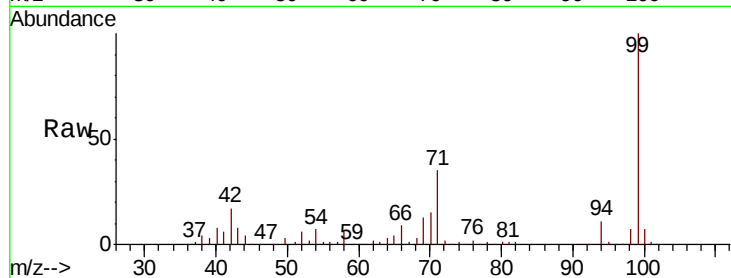
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1232502

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.8  | 14.0  | 21.0  |
| 71  | 35.5  | 29.2  | 43.8  |

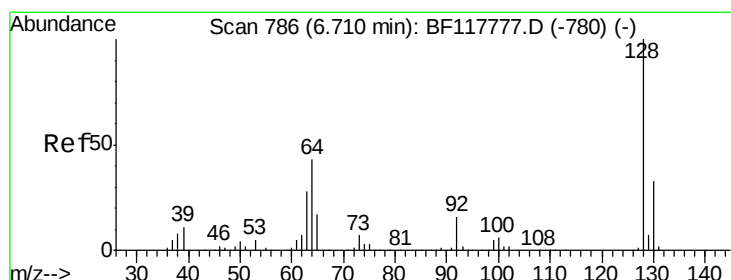
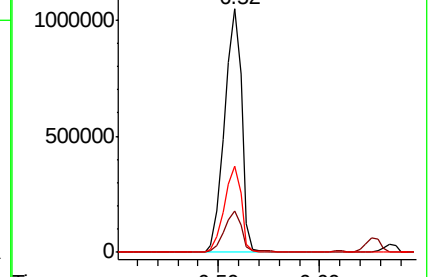
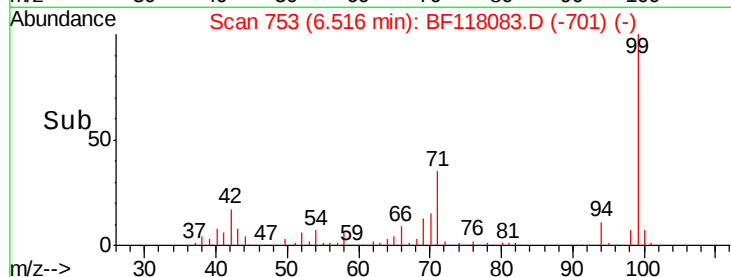


Abundance

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: 45.080 ng

RT: 6.67 min Scan# 779

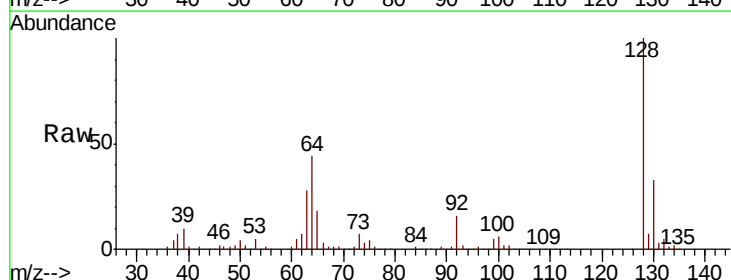
Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Tgt Ion:128 Resp: 587685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.9  | 12.4  | 52.4  |
| 64  | 43.6  | 23.2  | 63.2  |

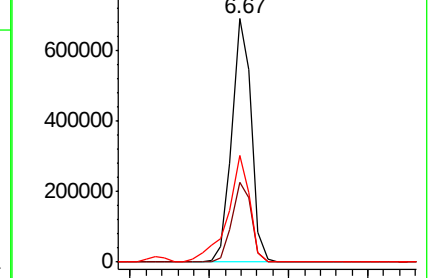
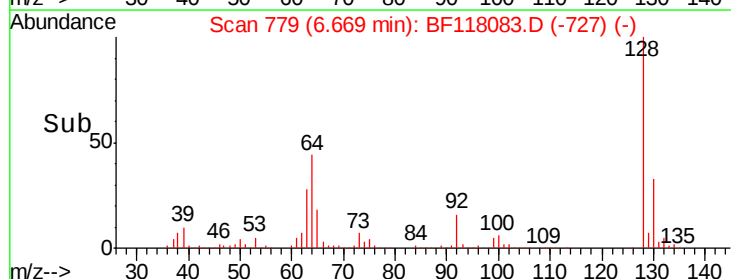


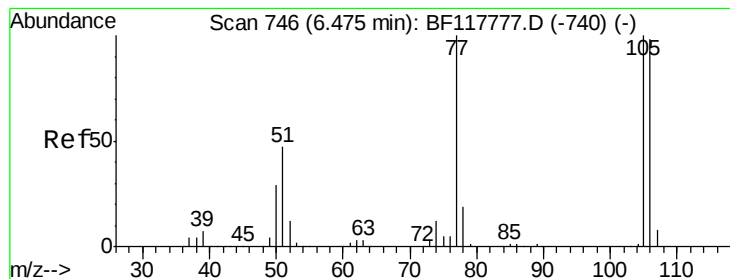
Abundance

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: 36.076 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampled :

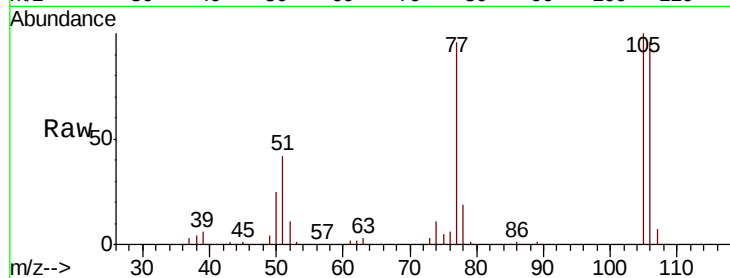
Tot Ion: 77 Resp: 347936

Ion Ratio Lower Upper

77 100

105 104.2 83.3 123.3

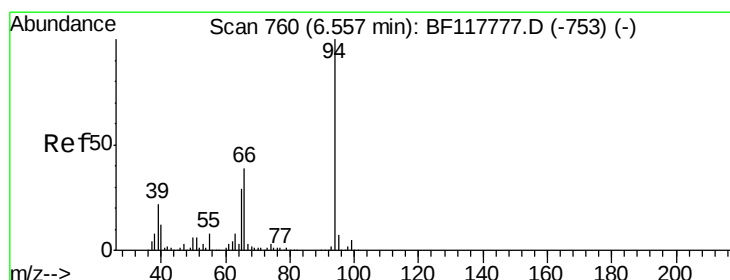
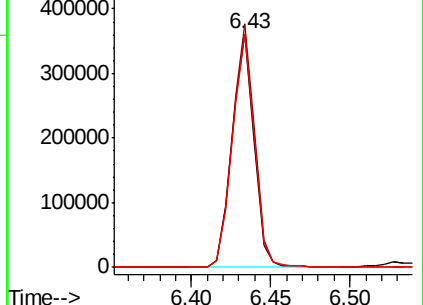
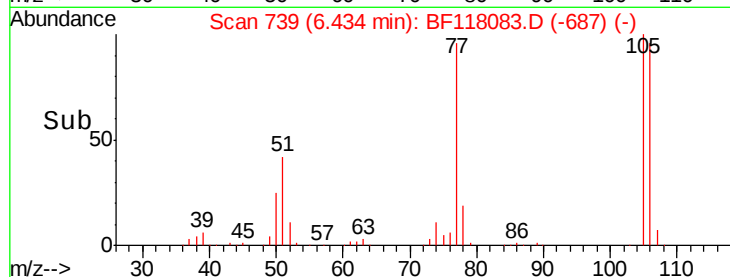
106 100.2 80.9 120.9



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: 46.735 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

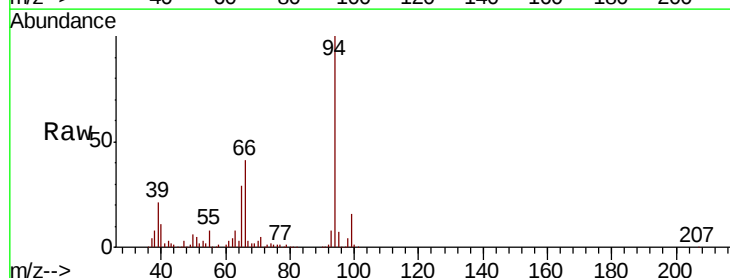
Tgt Ion: 94 Resp: 703750

Ion Ratio Lower Upper

94 100

65 29.2 6.9 46.9

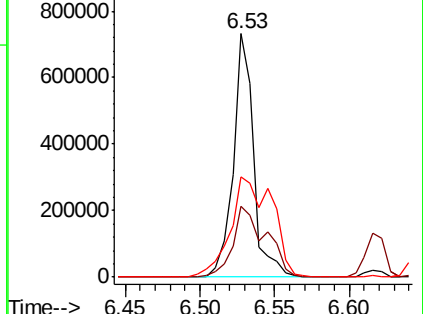
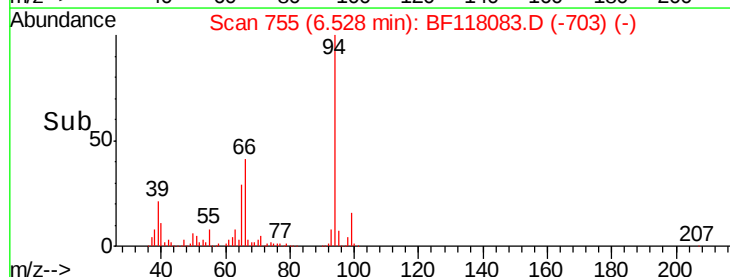
66 41.0 18.6 58.6

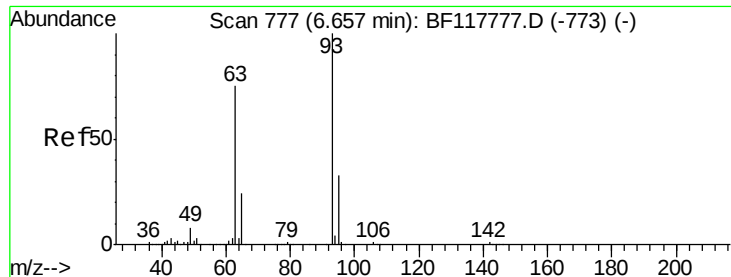


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

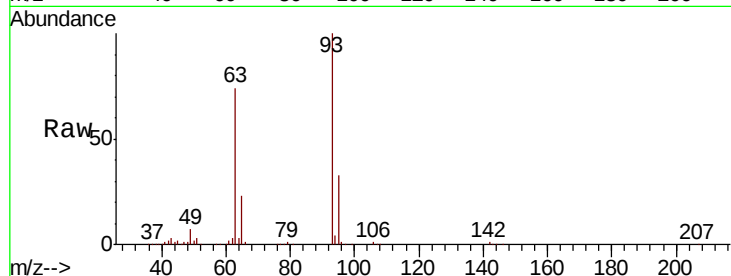




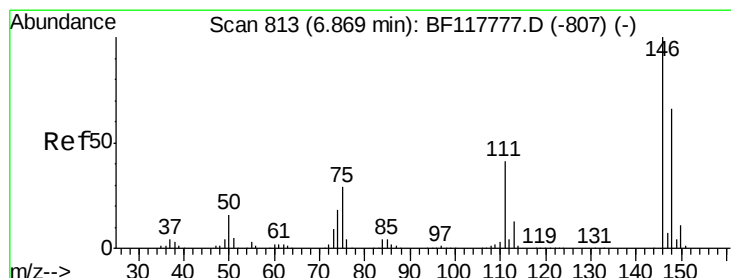
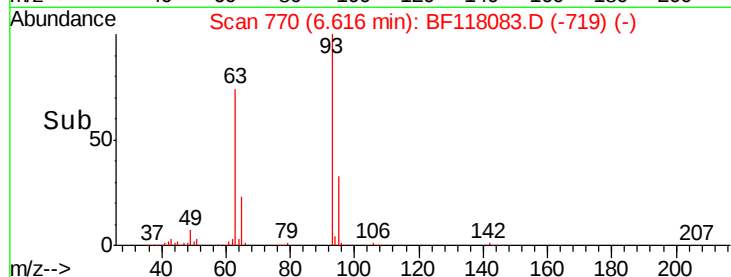
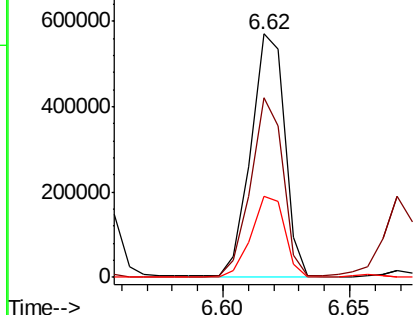
#11  
bis(2-Chloroethyl)ether  
Concen: 43.922 ng  
RT: 6.62 min Scan# 770  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 531126  
Ion Ratio Lower Upper  
93 100  
63 73.6 46.8 86.8  
95 33.1 12.0 52.0

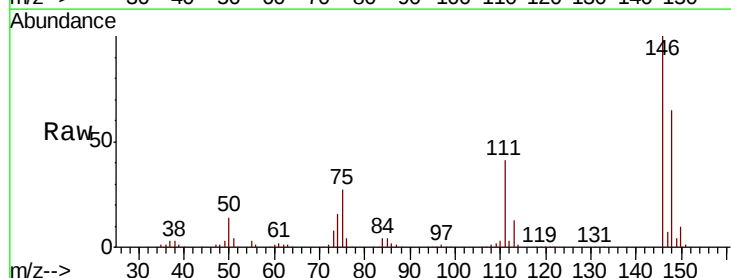


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

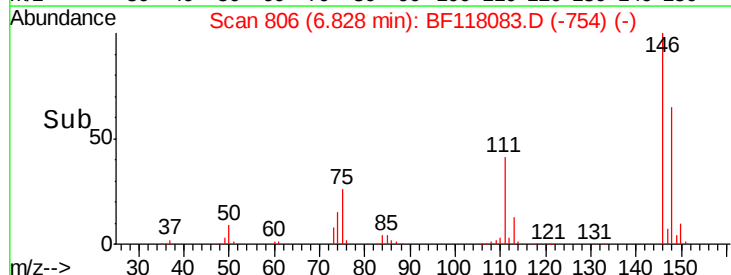
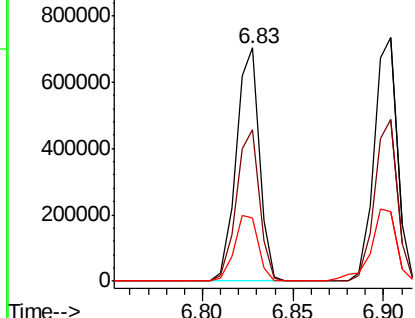


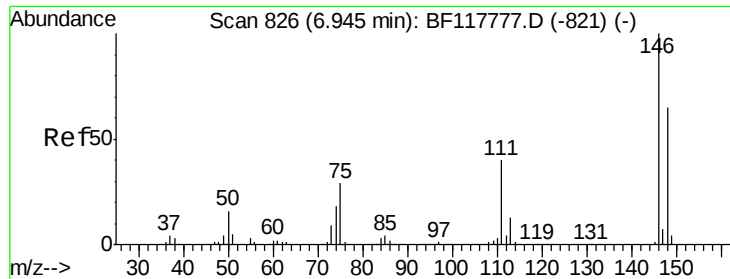
#12  
1,3-Dichlorobenzene  
Concen: 40.740 ng  
RT: 6.83 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion: 146 Resp: 625266  
Ion Ratio Lower Upper  
146 100  
148 65.1 52.7 79.1  
75 27.1 24.5 36.7



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1

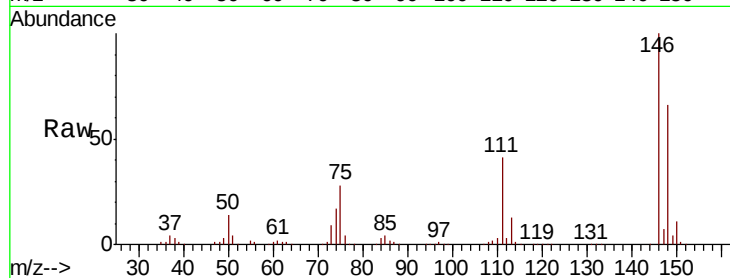




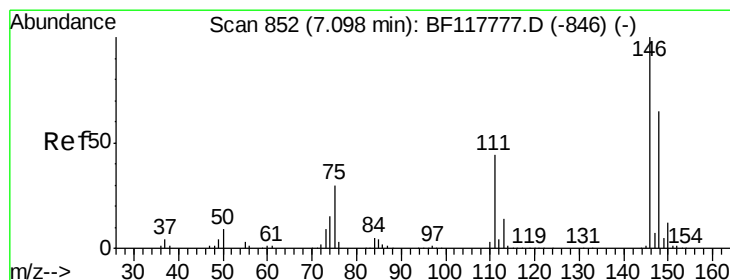
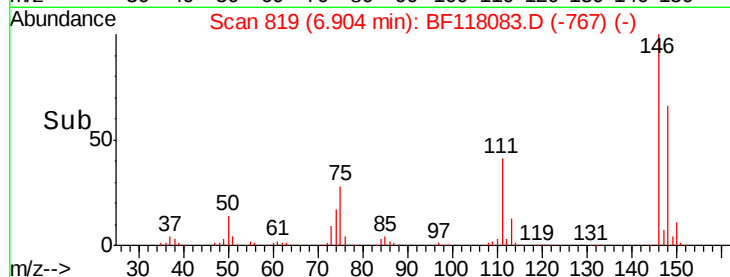
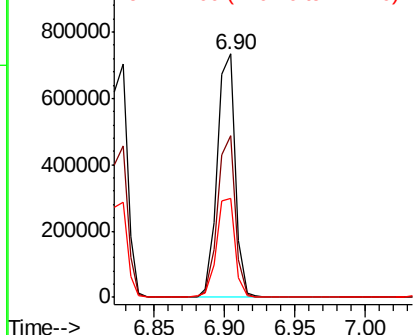
#13  
 1,4-Dichlorobenzene  
 Concen: 42.259 ng  
 RT: 6.90 min Scan# 819  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 655582  
 Ion Ratio Lower Upper  
 146 100  
 148 66.4 50.8 76.2  
 111 40.6 34.6 51.8

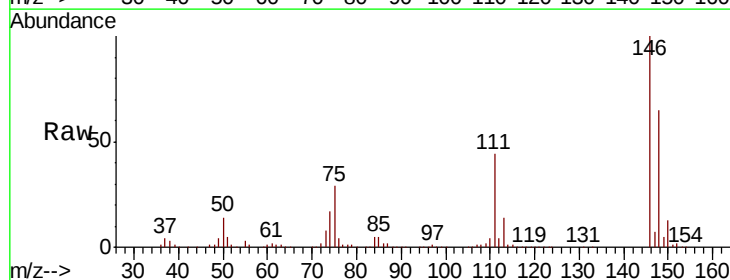


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

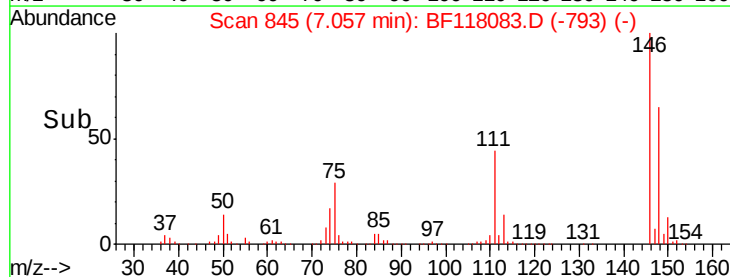
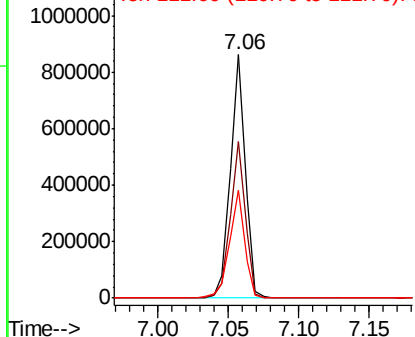


#14  
 1,2-Dichlorobenzene  
 Concen: 42.727 ng  
 RT: 7.06 min Scan# 845  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Tgt Ion:146 Resp: 633946  
 Ion Ratio Lower Upper  
 146 100  
 148 64.6 51.6 77.4  
 111 44.3 35.8 53.8



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: 43.755 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

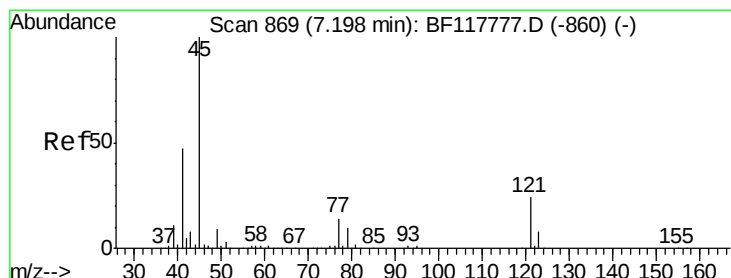
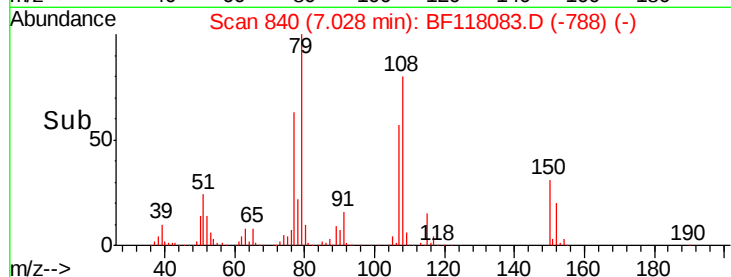
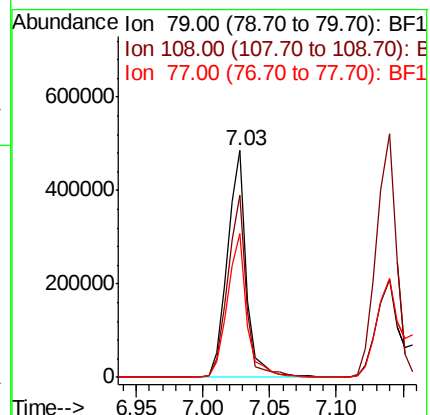
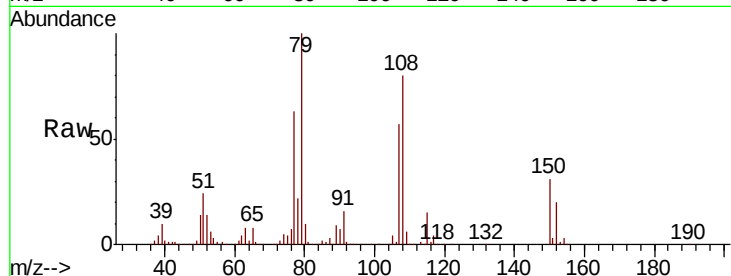
Tot Ion: 79 Resp: 489527

Ion Ratio Lower Upper

79 100

108 80.3 63.1 94.7

77 63.2 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.175 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

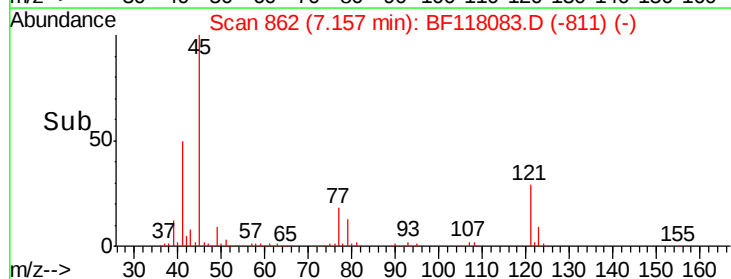
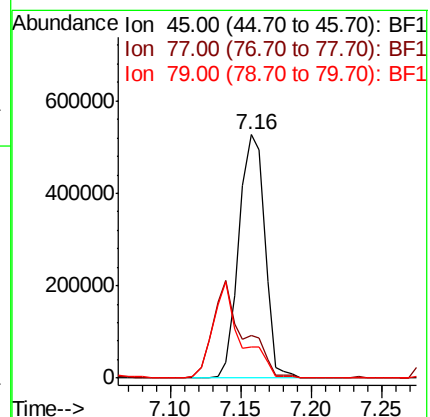
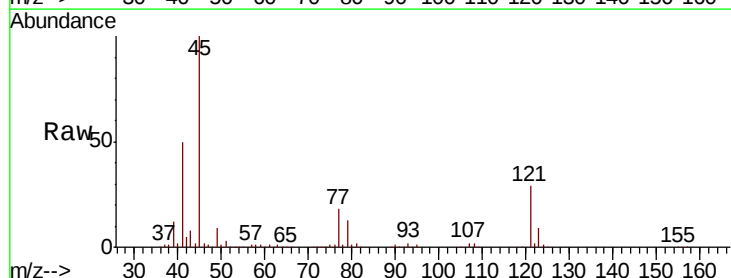
Tgt Ion: 45 Resp: 673490

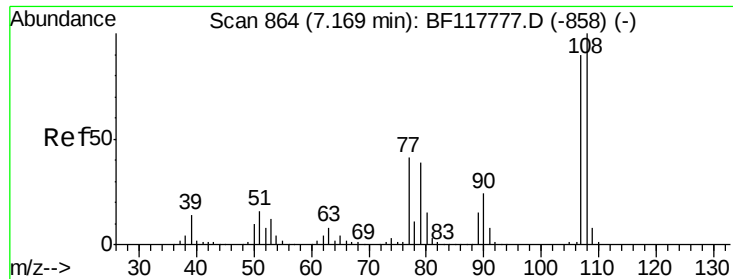
Ion Ratio Lower Upper

45 100

77 17.6 0.0 36.8

79 12.9 0.0 33.5

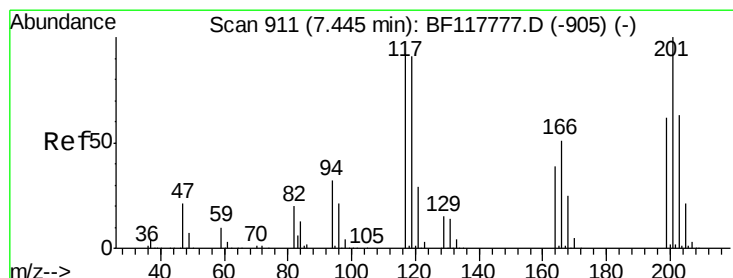
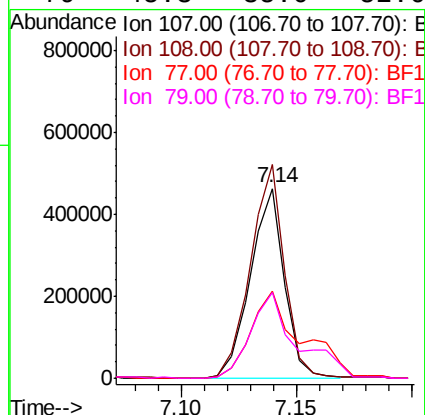
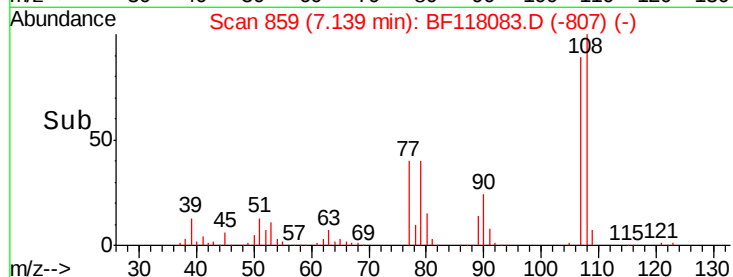
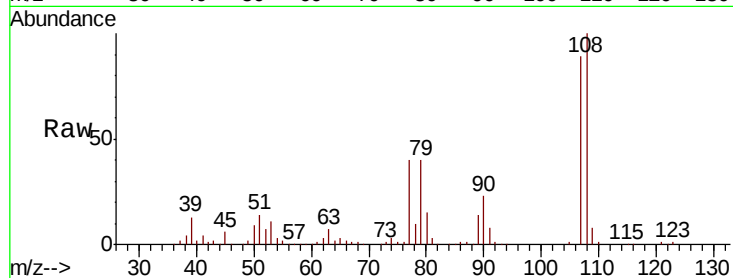




#17  
2-Methylphenol  
Concen: 43.000 ng  
RT: 7.14 min Scan# 859  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

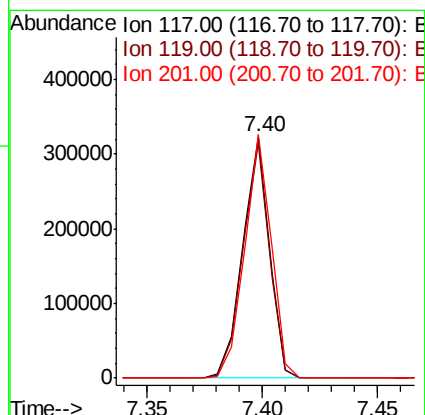
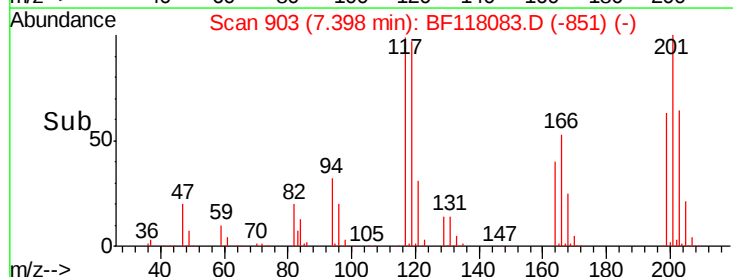
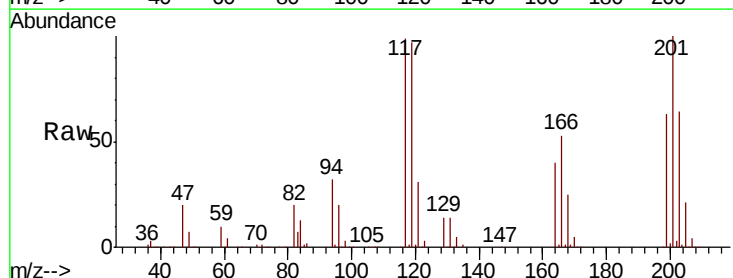
Instrument :  
BNA\_F  
ClientSampleId :

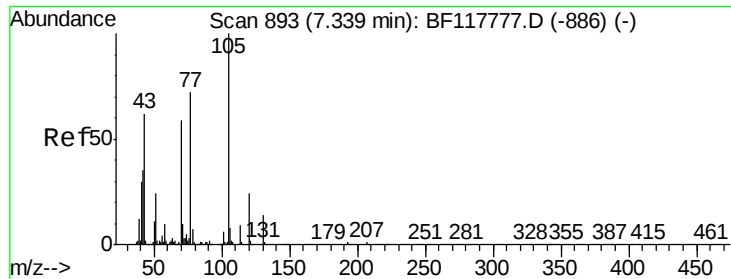
Tot Ion:107 Resp: 474712  
Ion Ratio Lower Upper  
107 100  
108 112.7 89.8 134.8  
77 45.6 35.0 52.6  
79 45.3 35.0 52.6



#18  
Hexachloroethane  
Concen: 45.786 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:117 Resp: 260935  
Ion Ratio Lower Upper  
117 100  
119 97.4 76.4 114.6  
201 100.9 71.7 107.5

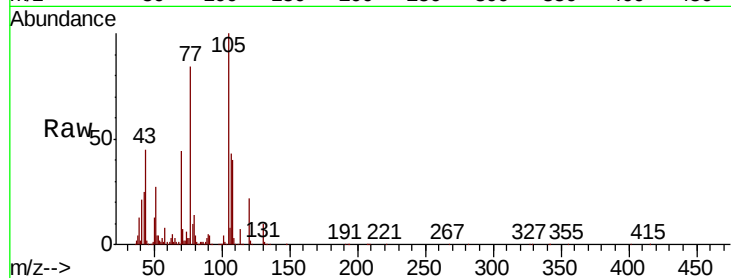




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.546 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 389291 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 55.5  | 46.0  | 69.0   |
| 101      | 9.8   | 8.8   | 13.2   |
| 130      | 23.2  | 19.8  | 29.6   |



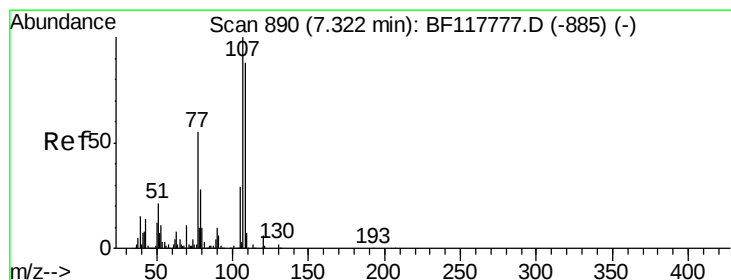
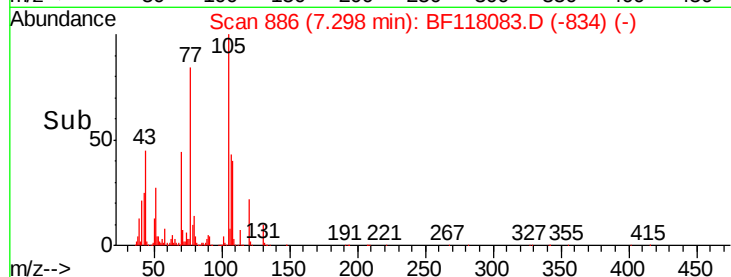
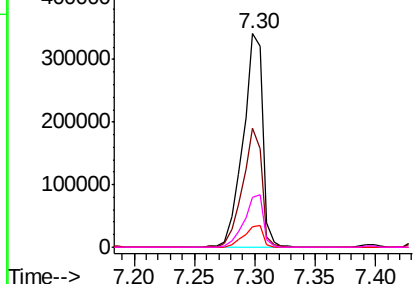
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

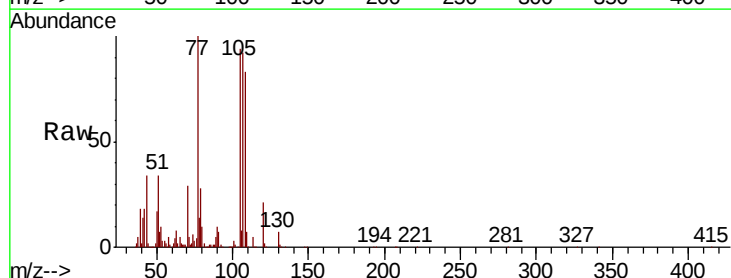
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 43.144 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 591257 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.7  | 71.9  | 111.9  |
| 77       | 108.9 | 91.6  | 131.6  |
| 79       | 30.2  | 11.3  | 51.3   |



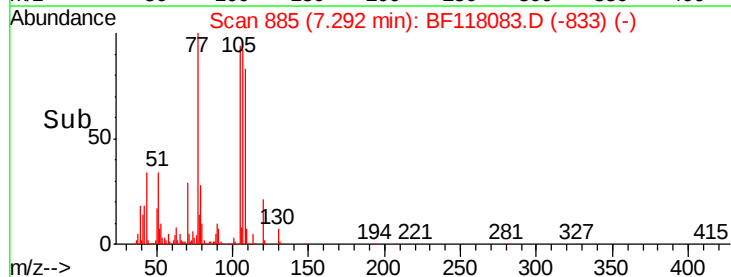
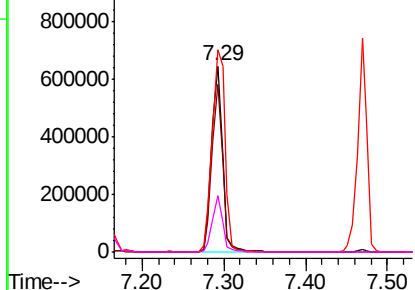
Abundance

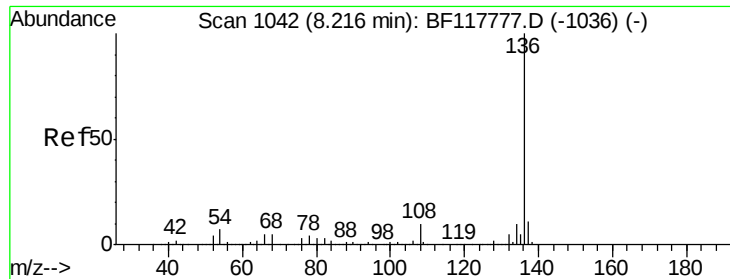
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

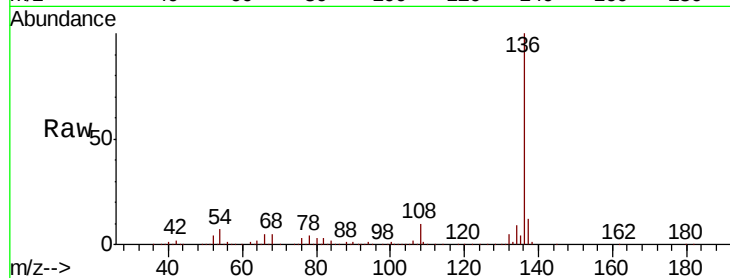




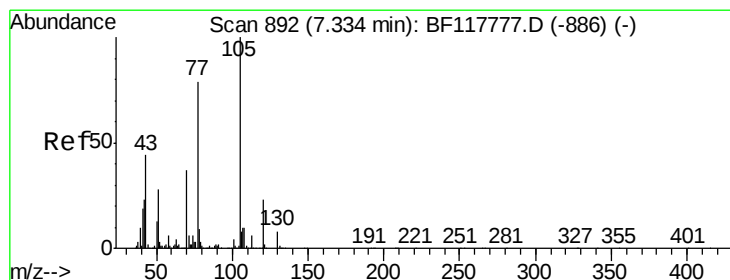
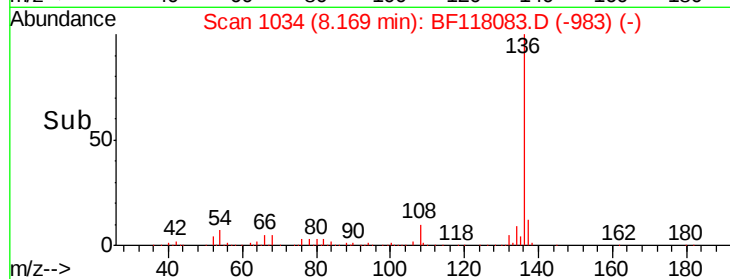
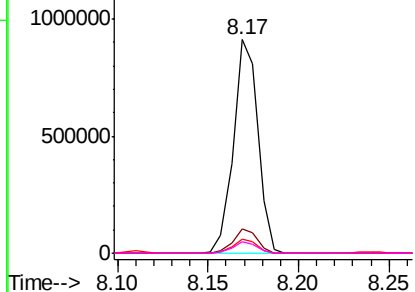
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 861897 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.5    | 9.1   | 13.7   |  |
| 54 6.8      | 4.9   | 7.3    |  |
| 68 5.2      | 3.6   | 5.4    |  |

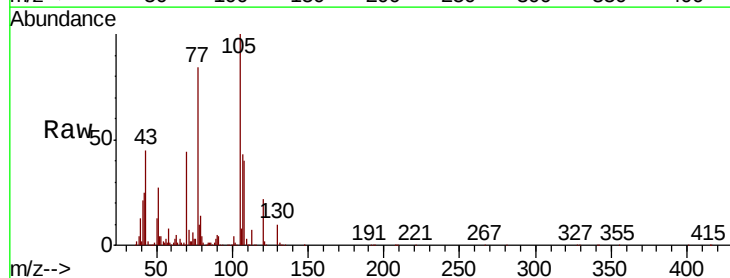


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

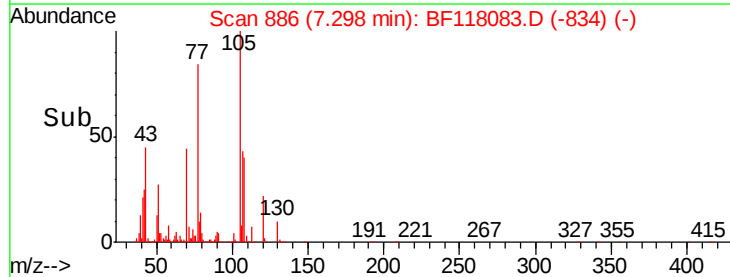
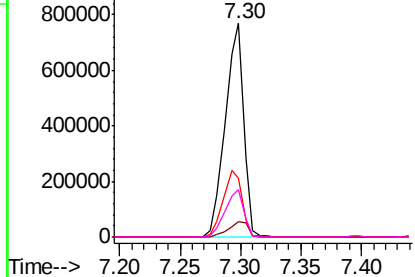


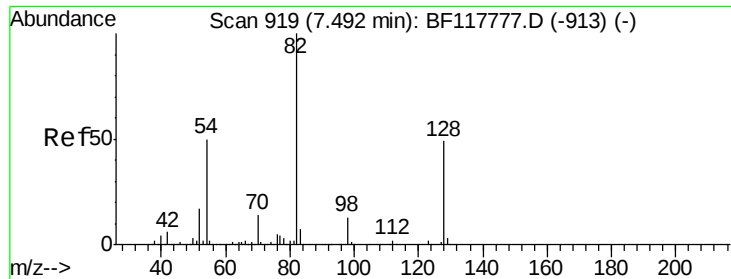
#22  
Acetophenone  
Concen: 42.013 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 813552 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.4     | 5.9   | 8.9    |
| 51  | 27.4    | 20.2  | 30.2   |
| 120 | 22.5    | 17.9  | 26.9   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

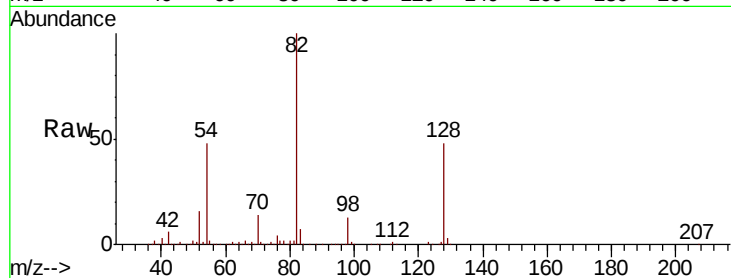




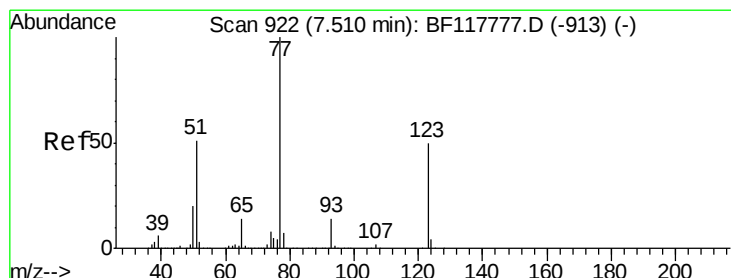
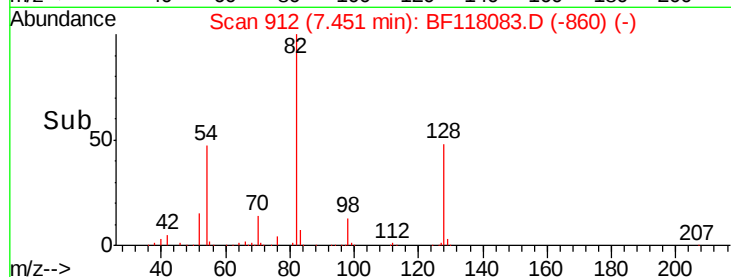
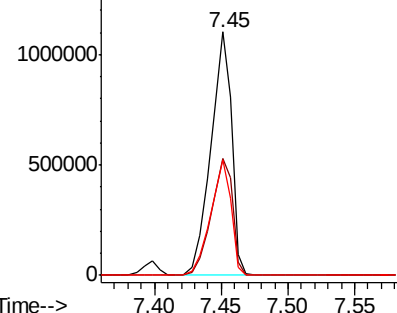
#23  
 Nitrobenzene-d5  
 Concen: 83.831 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 1215449  
 Ion Ratio Lower Upper  
 82 100  
 128 48.0 38.2 57.4  
 54 47.5 39.0 58.4

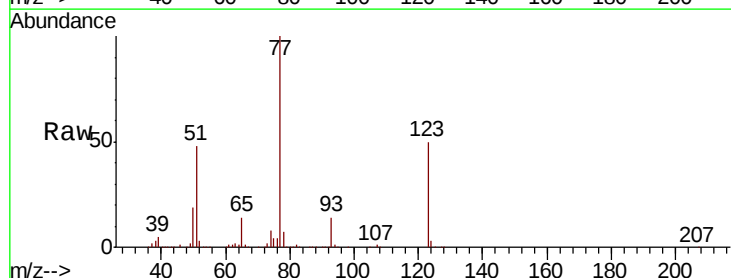


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 1500000 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

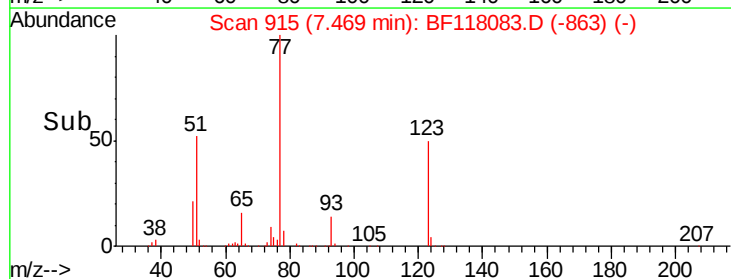
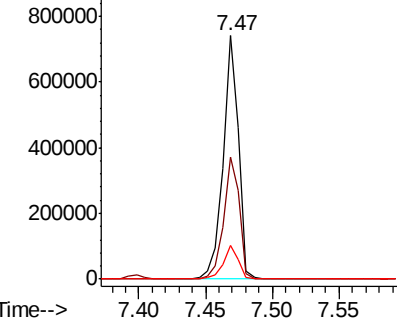


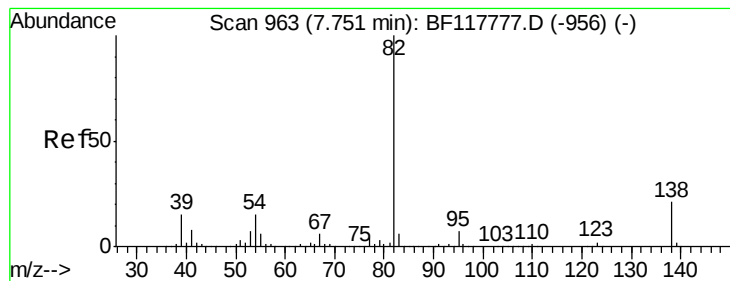
#24  
 Nitrobenzene  
 Concen: 39.902 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Tgt Ion: 77 Resp: 596833  
 Ion Ratio Lower Upper  
 77 100  
 123 50.3 38.2 57.2  
 65 13.8 11.1 16.7



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 1000000 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.796 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampled :

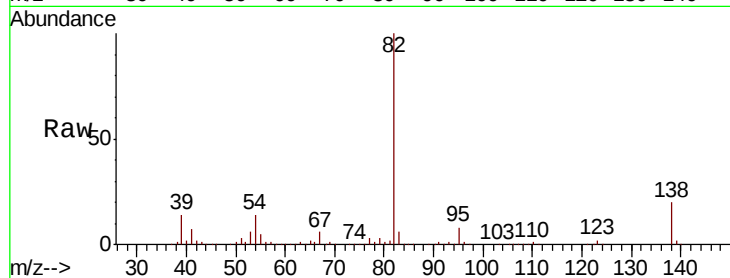
Tot Ion: 82 Resp: 1084132

Ion Ratio Lower Upper

82 100

95 7.7 6.2 9.2

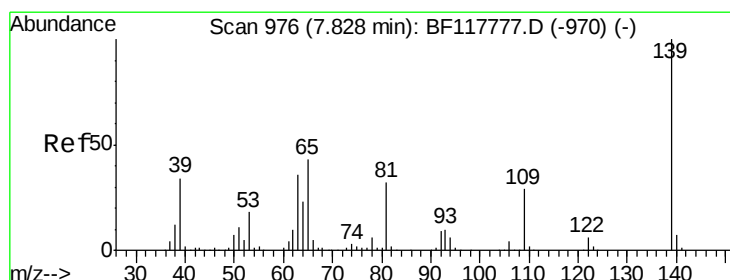
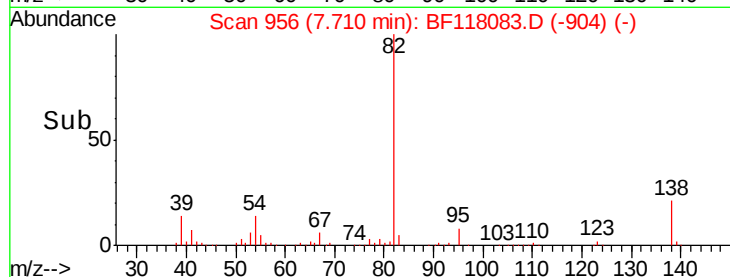
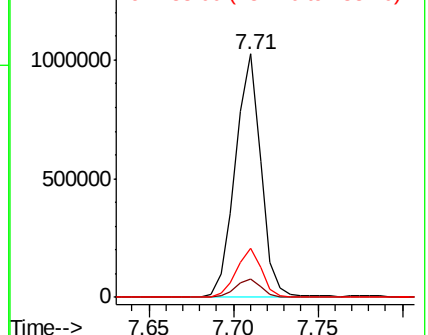
138 20.3 15.9 23.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.621 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

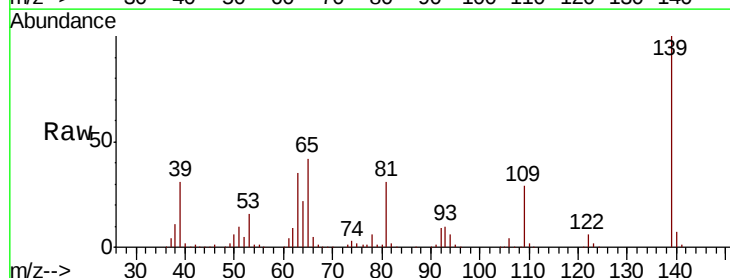
Tgt Ion: 139 Resp: 346693

Ion Ratio Lower Upper

139 100

109 28.6 23.8 35.6

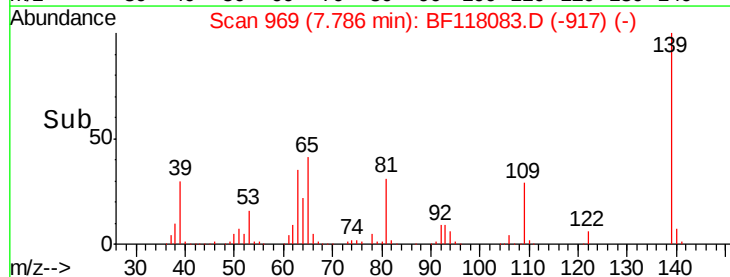
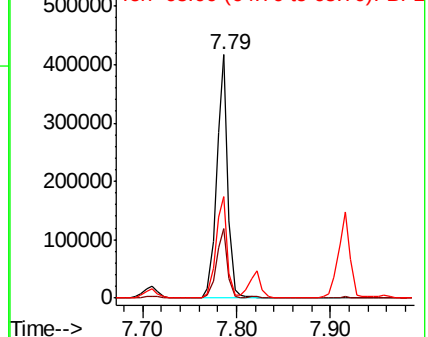
65 41.8 36.2 54.4



Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

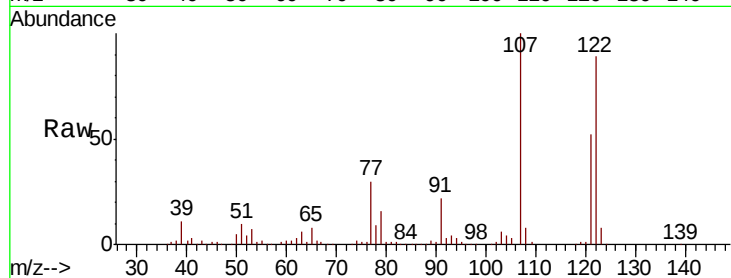




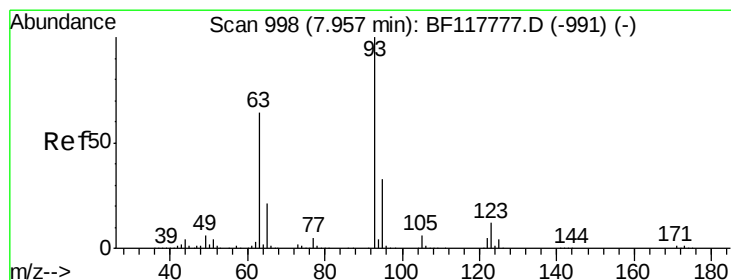
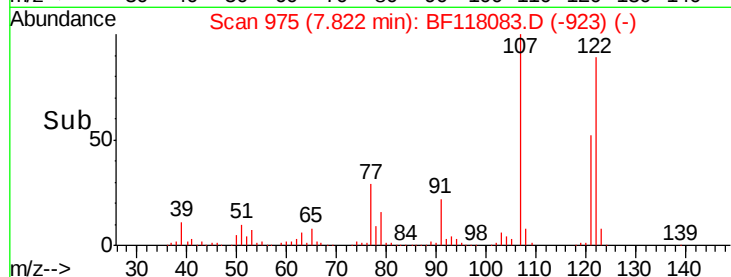
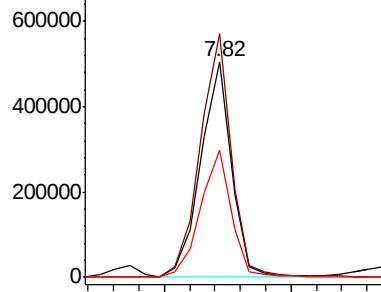
#27  
2,4-Dimethylphenol  
Concen: 37.743 ng  
RT: 7.82 min Scan# 975  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.0 | 92.6  | 138.8 |
| 121     | 59.1  | 46.9  | 70.3  |

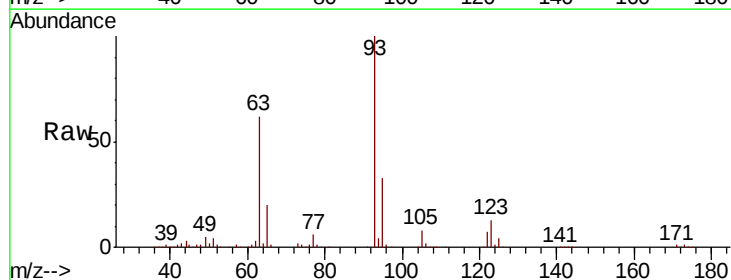


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

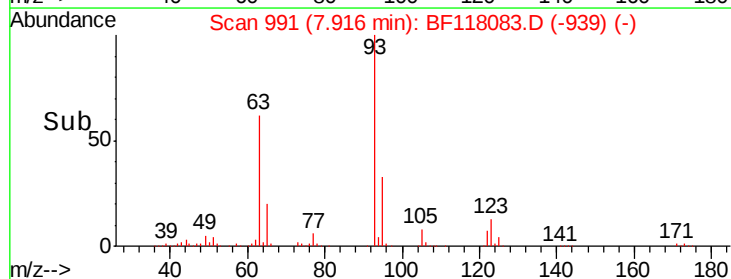
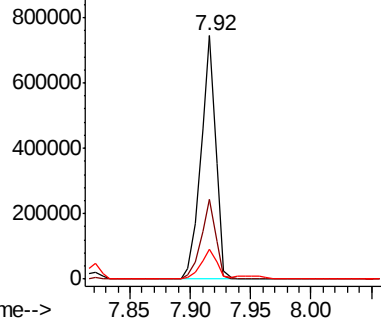


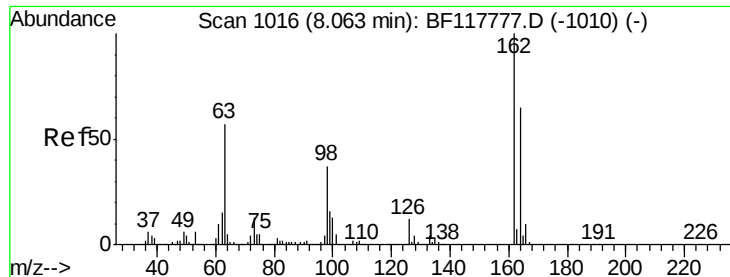
#28  
bis(2-Chloroethoxy)methane  
Concen: 37.809 ng  
RT: 7.92 min Scan# 991  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.9  | 26.4  | 39.6  |
| 123     | 12.5  | 10.2  | 15.4  |



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

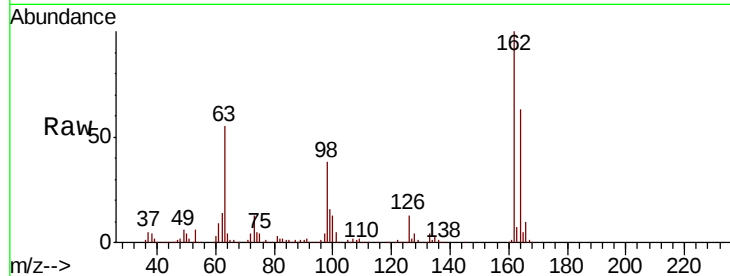




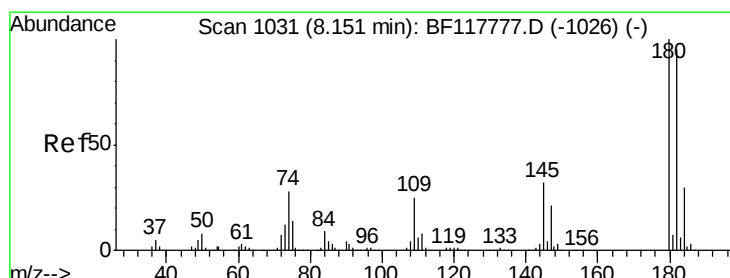
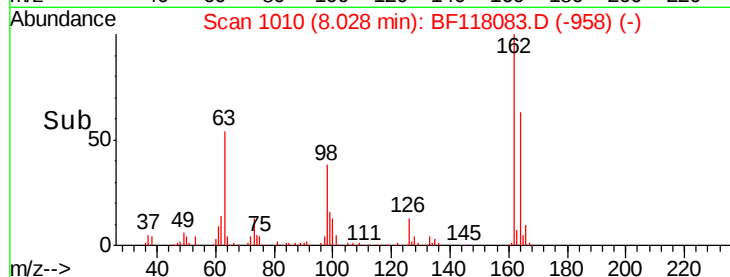
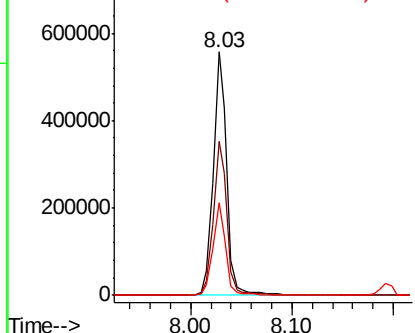
#29  
2,4-Dichlorophenol  
Concen: 41.848 ng  
RT: 8.03 min Scan# 1010  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.3  | 42.9  | 82.9  |
| 98      | 38.2  | 16.7  | 56.7  |

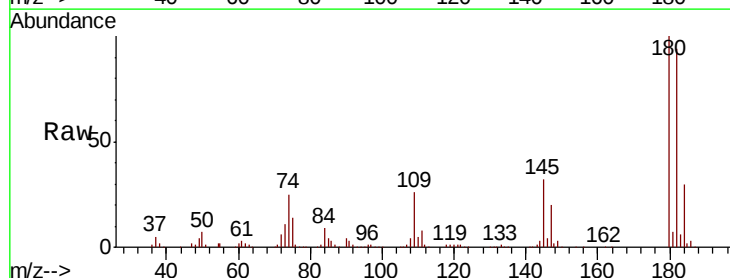


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

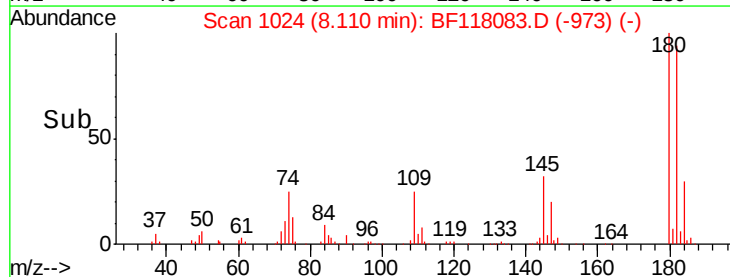
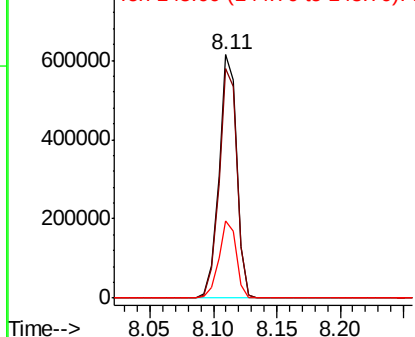


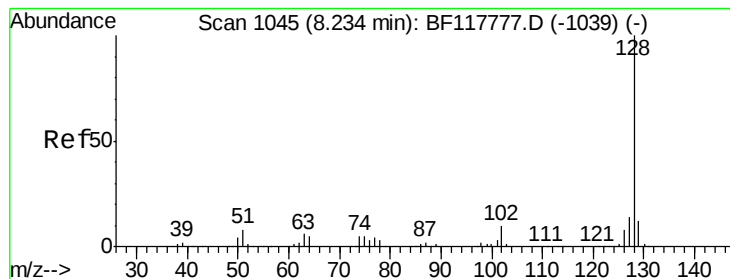
#30  
1,2,4-Trichlorobenzene  
Concen: 42.450 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 76.6  | 114.8 |
| 145     | 31.6  | 25.1  | 37.7  |



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: 43.518 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

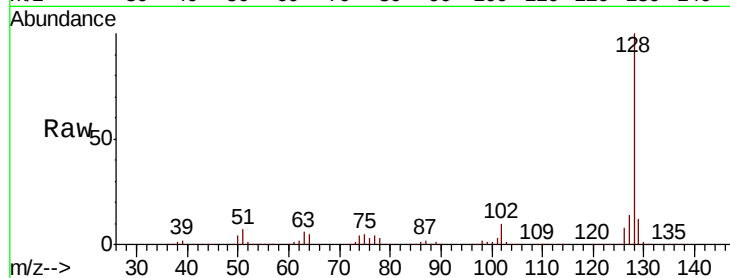
Tot Ion:128 Resp: 1748570

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

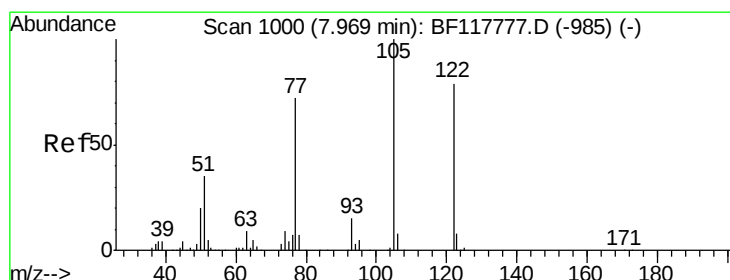
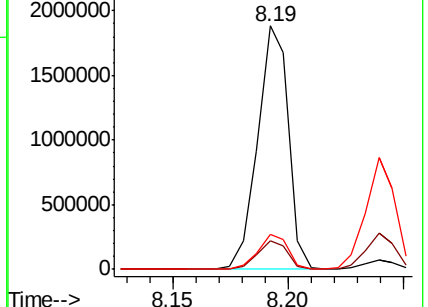
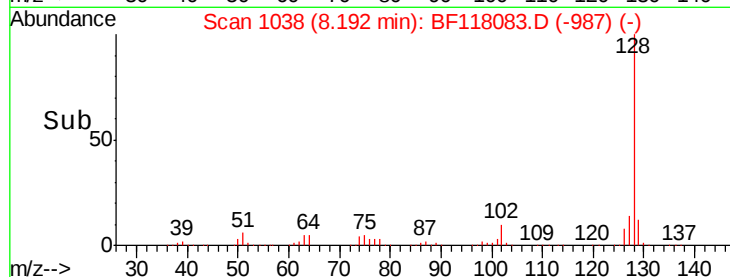
127 14.1 10.6 16.0



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: 38.844 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

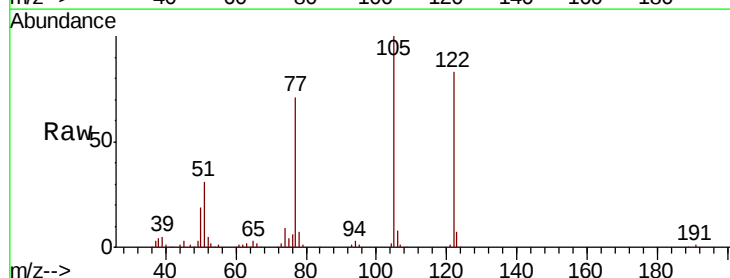
Tgt Ion:122 Resp: 367937

Ion Ratio Lower Upper

122 100

105 119.8 101.4 141.4

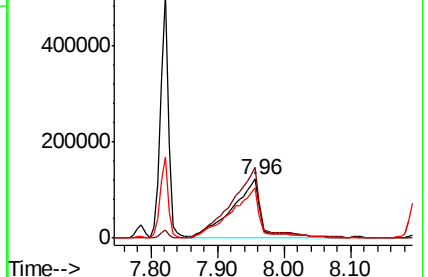
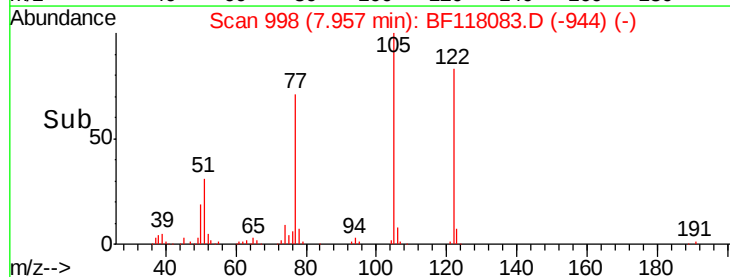
77 85.0 66.4 106.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

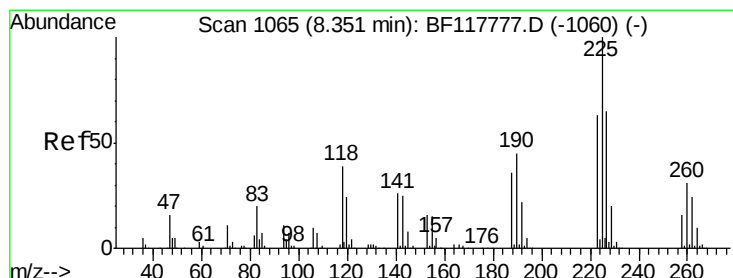
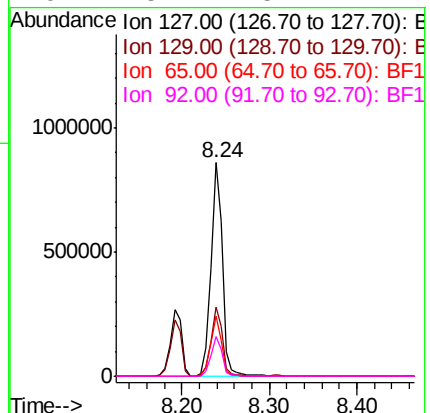
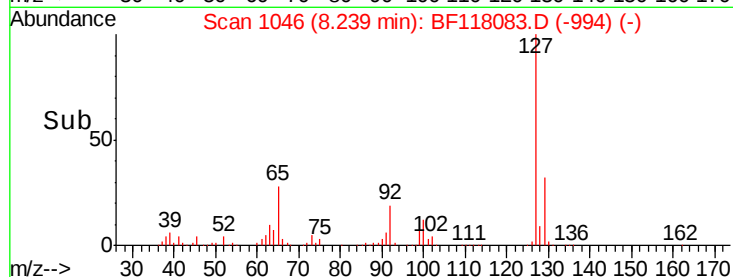
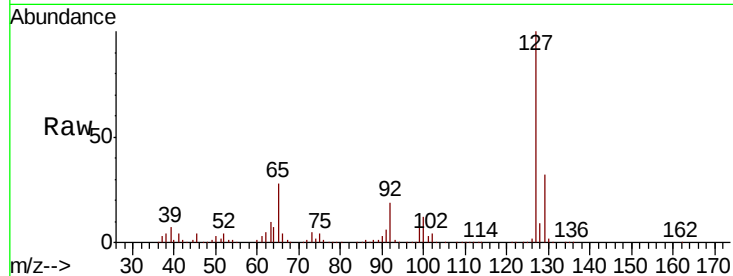




#33  
4-Chloroaniline  
Concen: 43.701 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

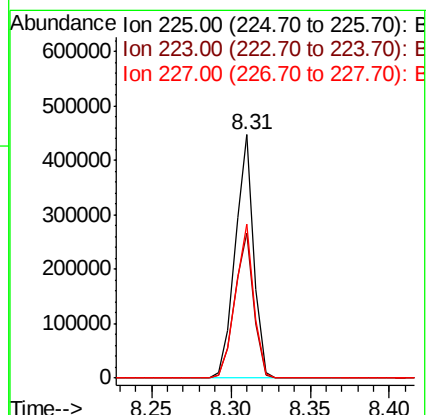
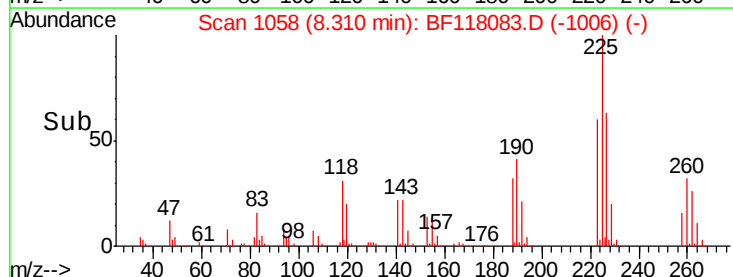
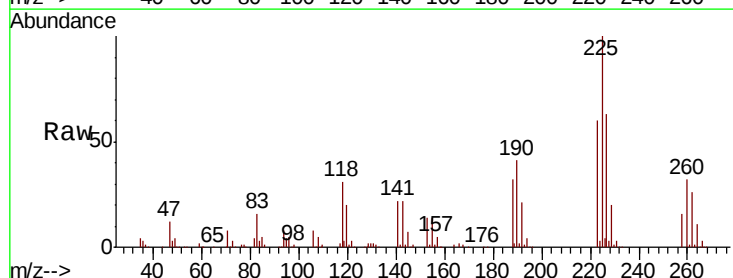
Instrument :  
BNA\_F  
ClientSampleId :

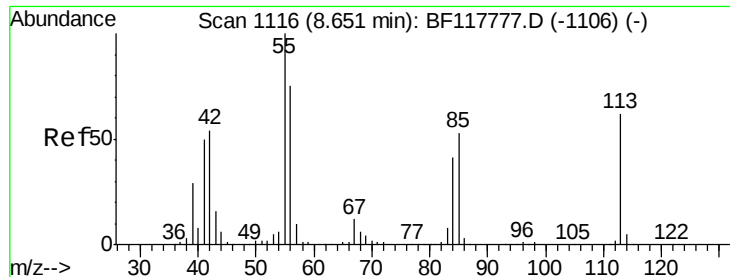
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 786094 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 25.4  | 38.0   |
| 65       | 28.4  | 23.4  | 35.0   |
| 92       | 18.7  | 15.1  | 22.7   |



#34  
Hexachlorobutadiene  
Concen: 43.127 ng  
RT: 8.31 min Scan# 1058  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 358898 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 59.7  | 51.4  | 77.2   |
| 227      | 63.2  | 52.6  | 78.8   |

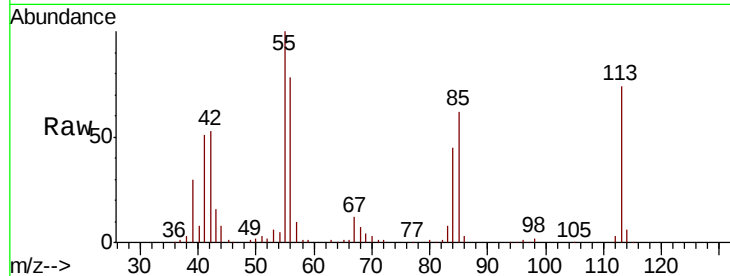




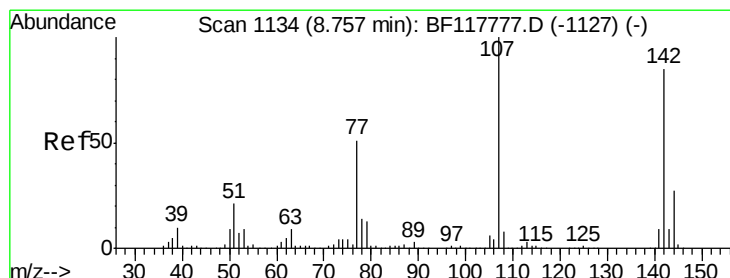
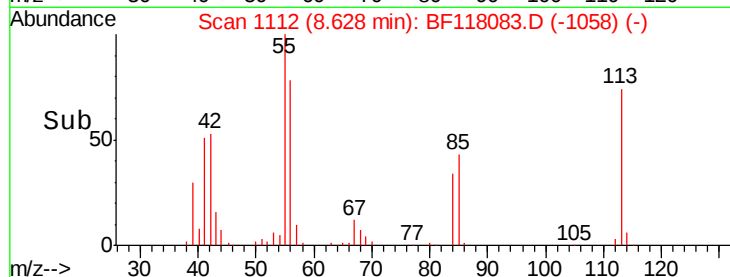
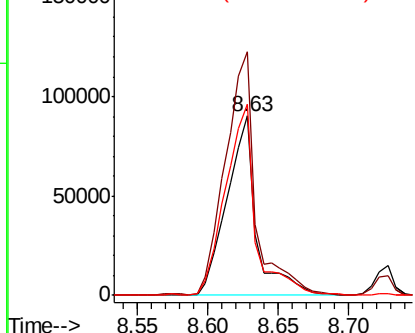
#35  
Caprolactam  
Concen: 33.713 ng  
RT: 8.63 min Scan# 1112  
Delta R.T. 0.02 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 131479  
Ion Ratio Lower Upper  
113 100  
55 135.8 125.5 165.5  
56 106.4 88.0 128.0

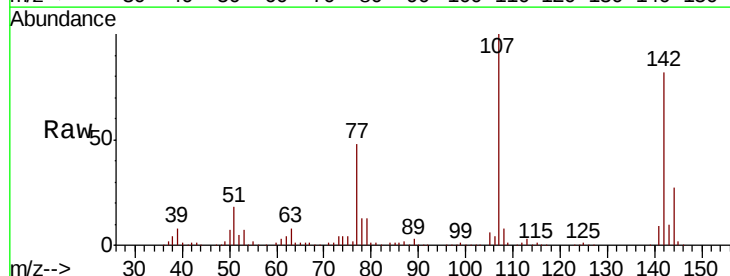


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

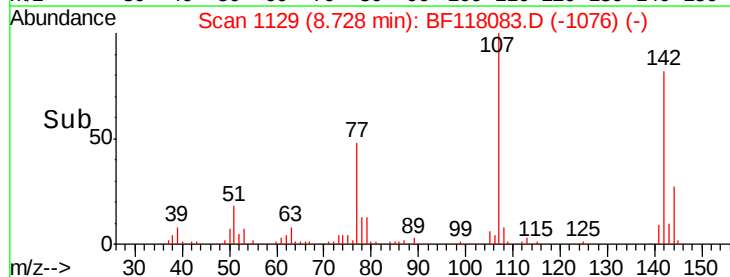
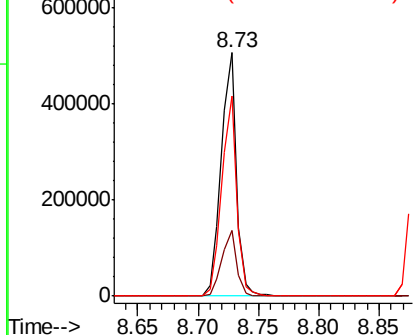


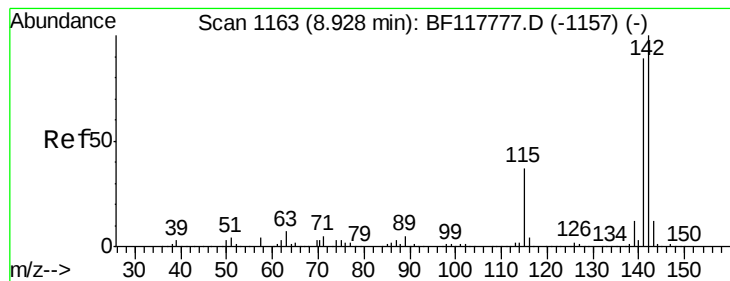
#36  
4-Chloro-3-methylphenol  
Concen: 35.393 ng  
RT: 8.73 min Scan# 1129  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:107 Resp: 440766  
Ion Ratio Lower Upper  
107 100  
144 27.1 20.6 30.8  
142 82.3 62.5 93.7



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: 35.620 ng

RT: 8.89 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampled :

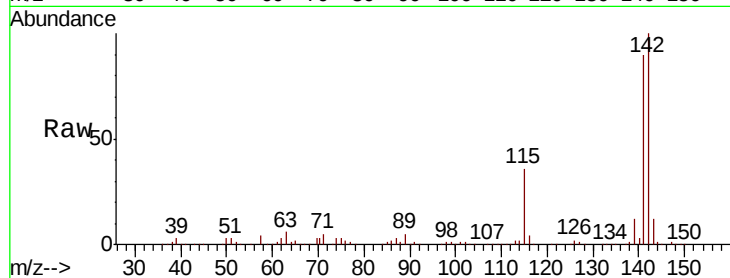
Tot Ion:142 Resp: 967035

Ion Ratio Lower Upper

142 100

141 90.3 70.2 105.4

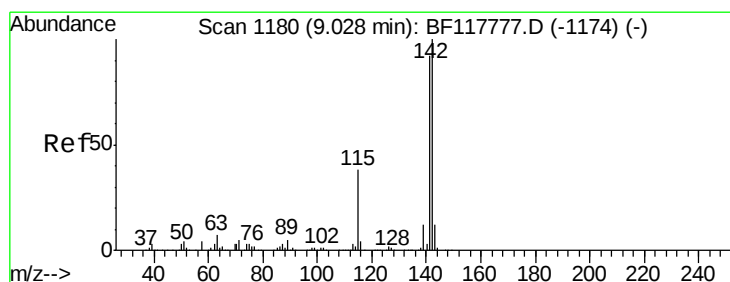
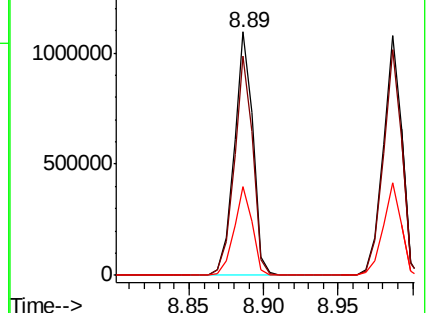
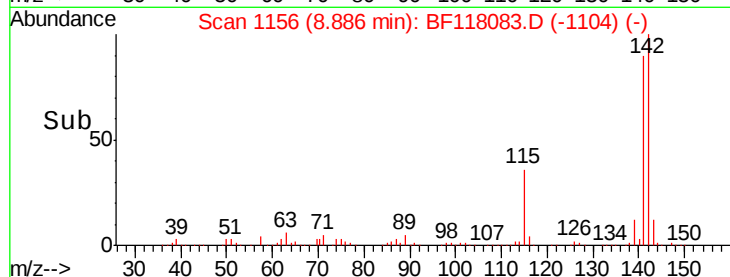
115 36.2 29.2 43.8



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: 35.641 ng

RT: 8.99 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

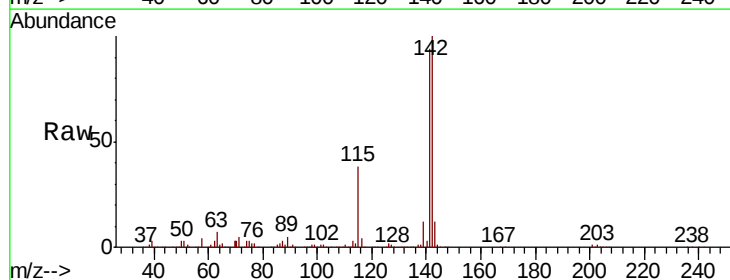
Tgt Ion:142 Resp: 914791

Ion Ratio Lower Upper

142 100

141 93.9 73.6 110.4

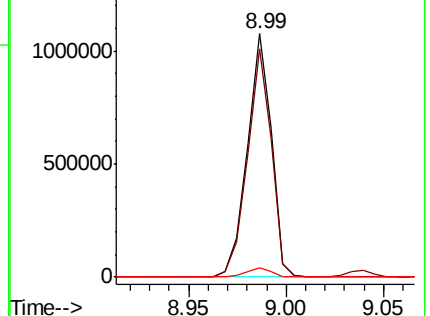
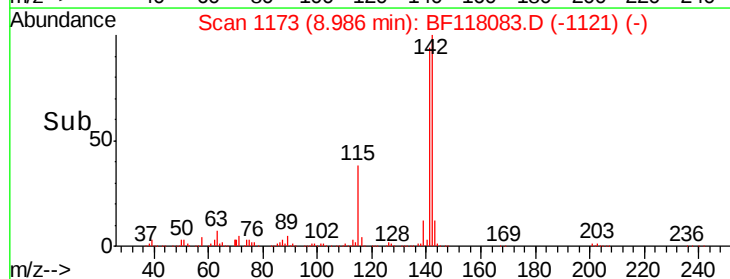
116 4.0 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

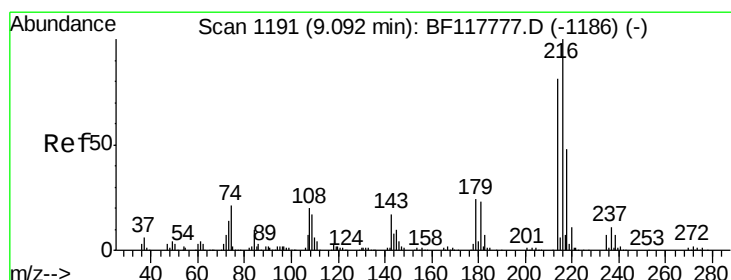
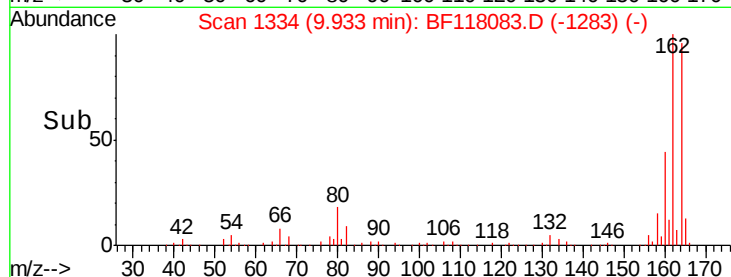
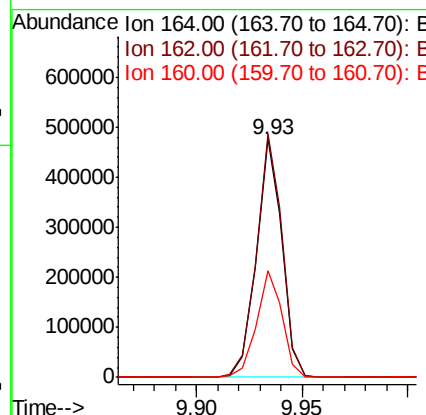
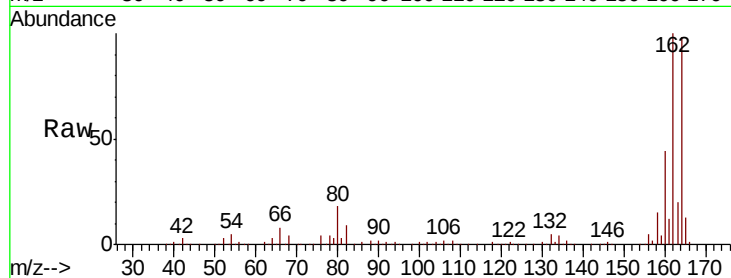




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

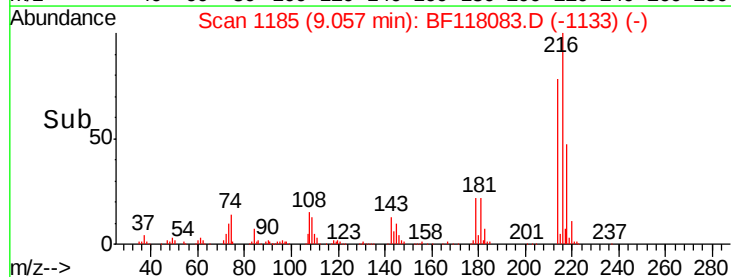
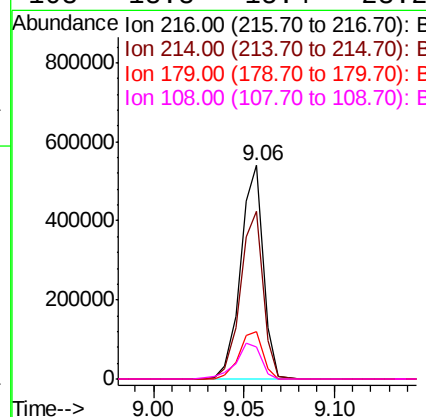
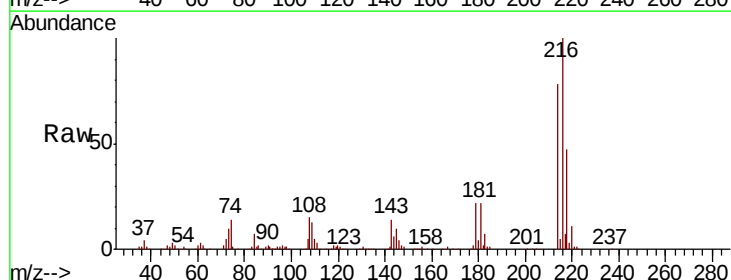
Instrument :  
BNA\_F  
ClientSampleId :

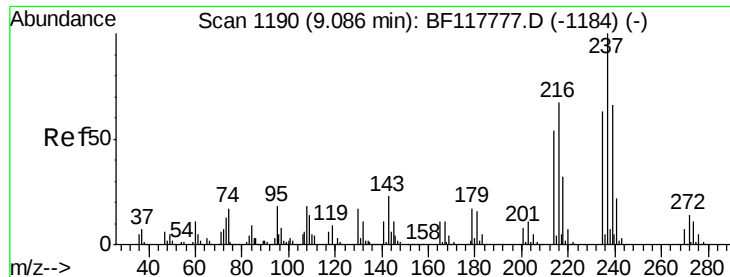
Tot Ion:164 Resp: 397817  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.8 122.8  
160 44.7 35.9 53.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.583 ng  
RT: 9.06 min Scan# 1185  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:216 Resp: 468855  
Ion Ratio Lower Upper  
216 100  
214 79.1 63.0 94.4  
179 23.1 18.5 27.7  
108 18.8 15.4 23.2





#41

Hexachlorocyclopentadiene

Concen: 31.923 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

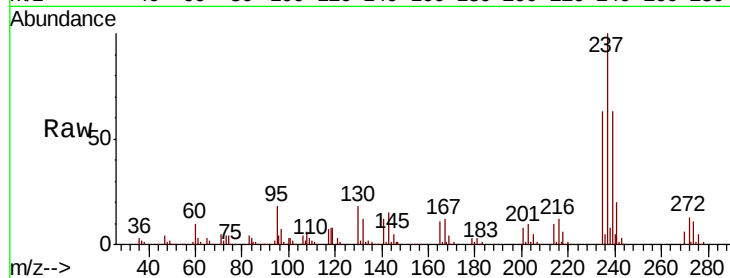
Tot Ion:237 Resp: 206677

Ion Ratio Lower Upper

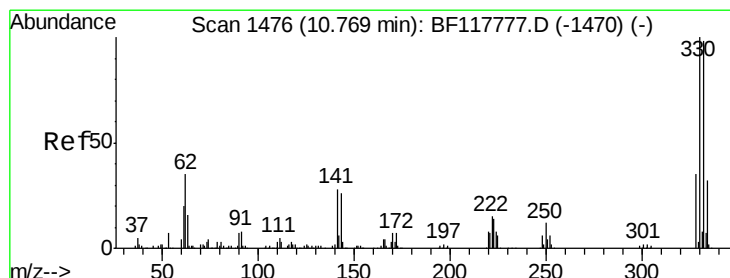
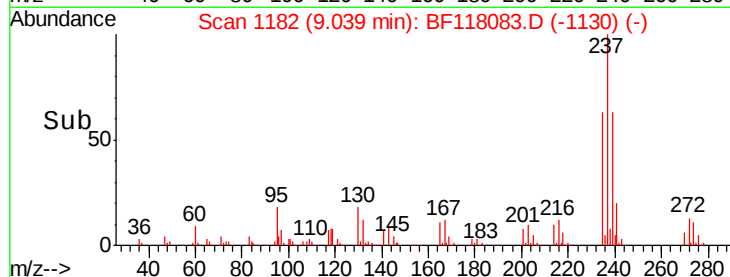
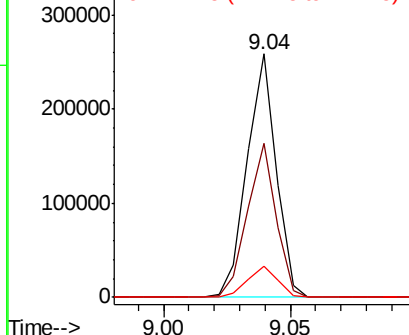
237 100

235 63.2 43.7 83.7

272 13.0 0.0 32.7



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: 106.437 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

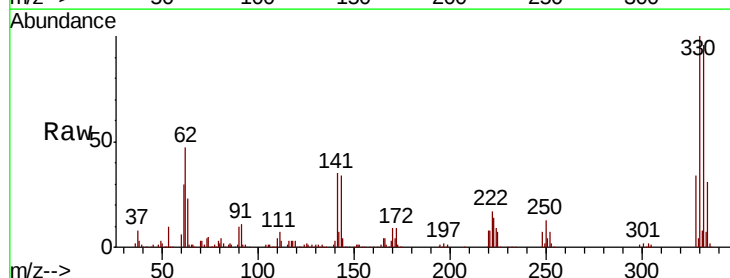
Tgt Ion:330 Resp: 448276

Ion Ratio Lower Upper

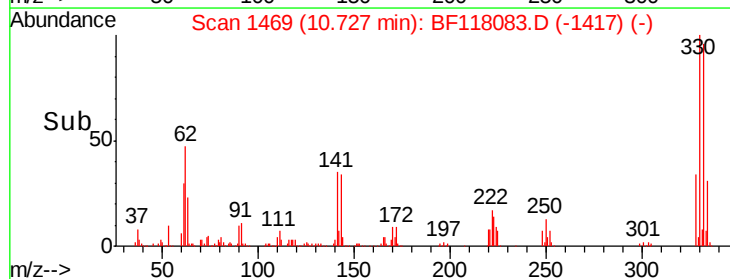
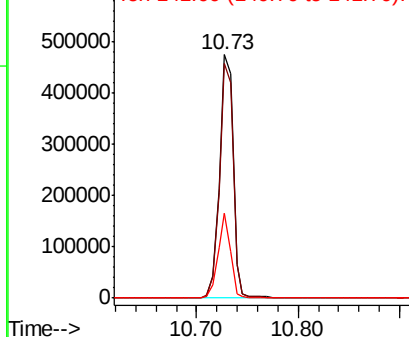
330 100

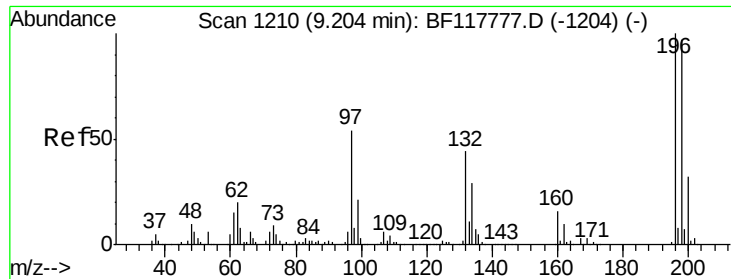
332 96.4 78.3 117.5

141 31.5 26.4 39.6



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

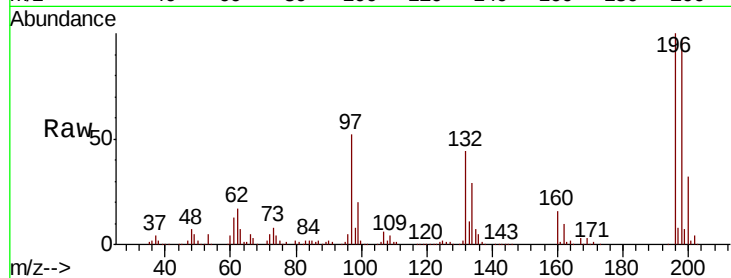




#43  
 2,4,6-Trichlorophenol  
 Concen: 38.696 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 196   | Resp  | 320209 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 97.5  | 76.9  | 115.3  |
| 200       | 31.7  | 24.2  | 36.4   |

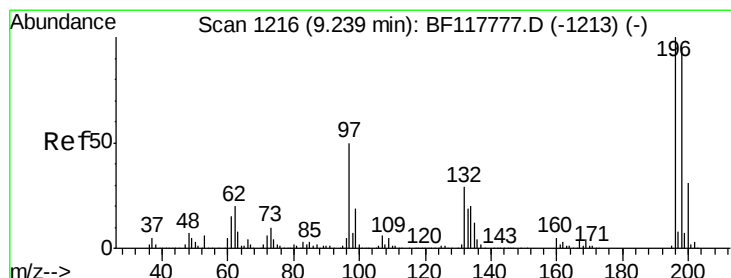
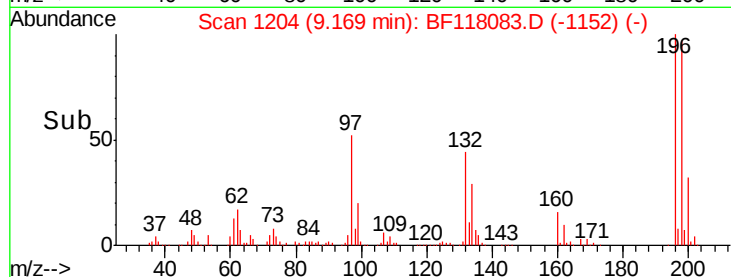
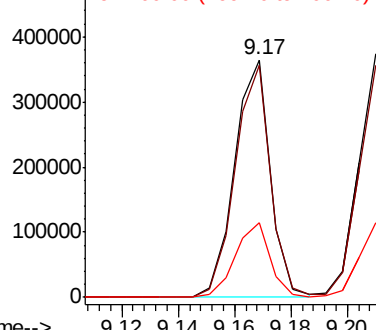


Abundance

Ion 196.00 (195.70 to 196.70): E

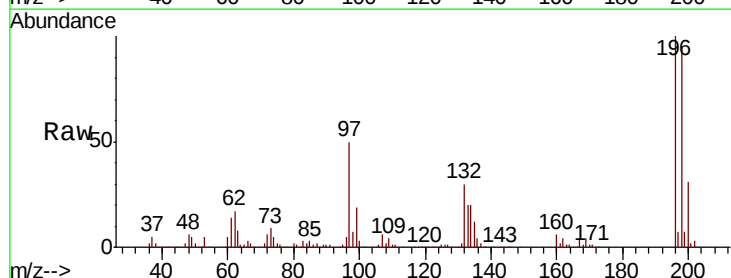
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 38.389 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

| Tgt Ion   | 196   | Resp  | 329826 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.3  | 78.1  | 117.1  |
| 97        | 49.5  | 37.4  | 56.2   |
| 132       | 30.4  | 22.7  | 34.1   |



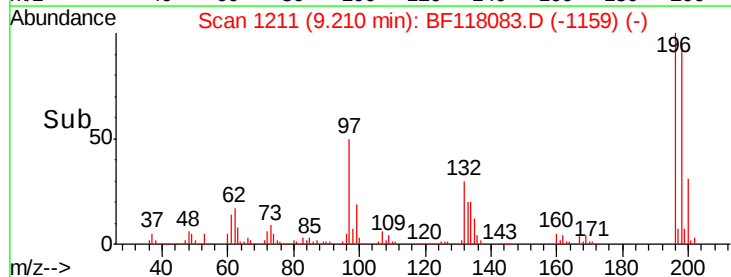
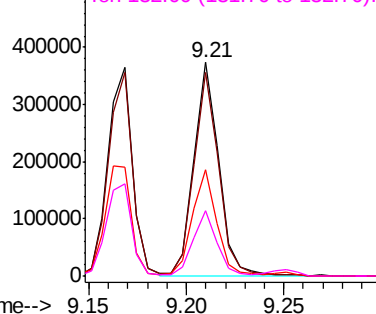
Abundance

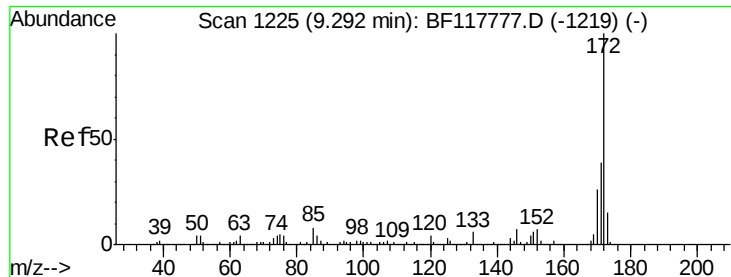
Ion 196.00 (195.70 to 196.70): E

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

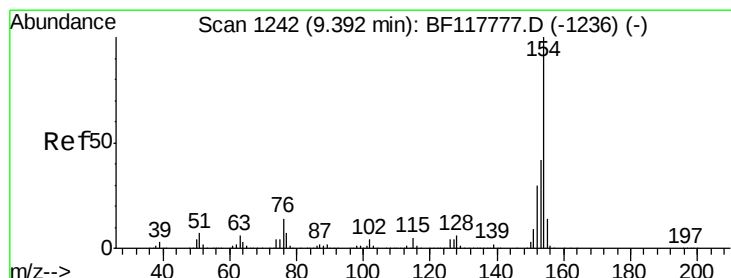
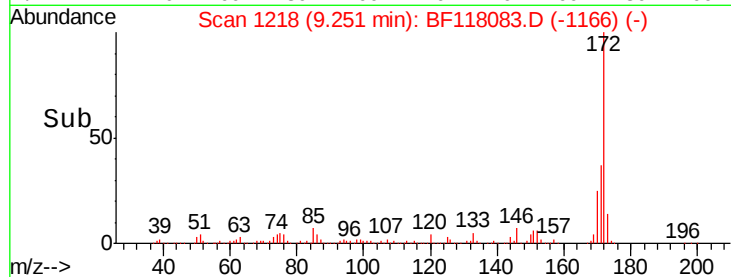
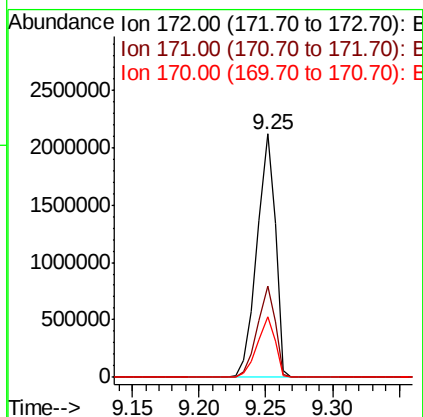
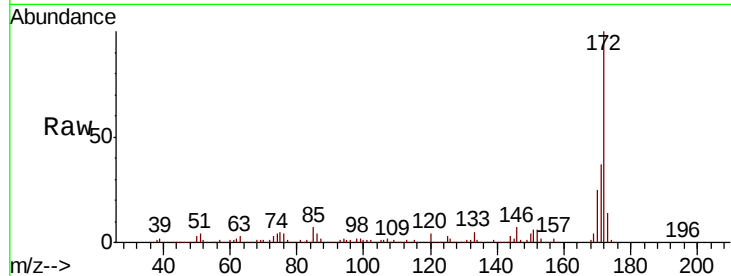




#45  
 2-Fluorobiphenyl  
 Concen: 89.396 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

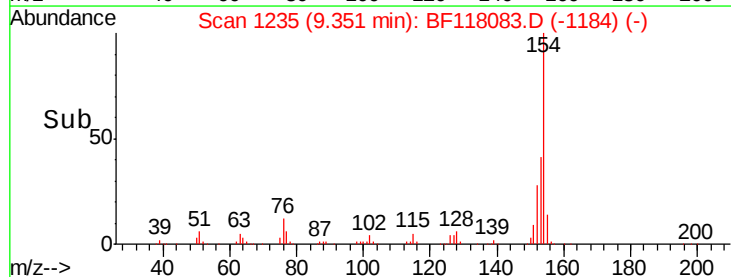
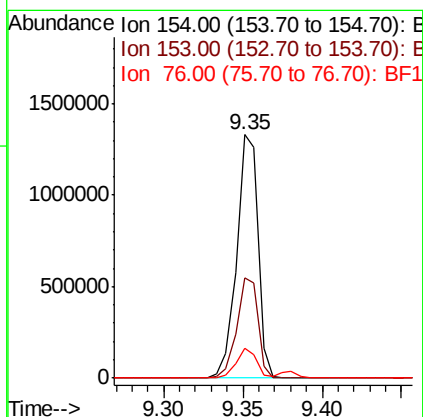
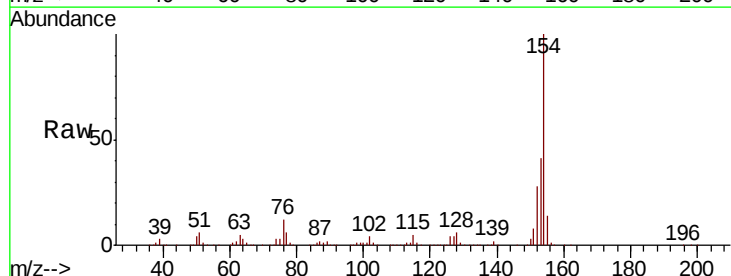
Instrument :  
 BNA\_F  
 ClientSampleId :

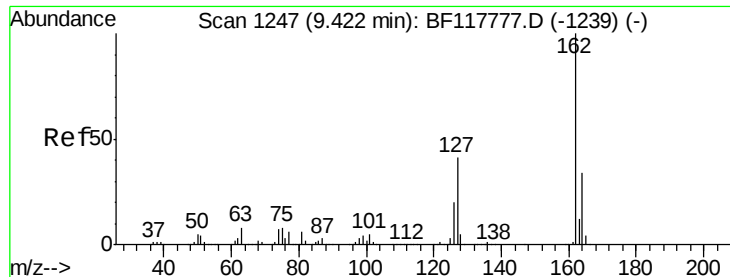
Tot Ion:172 Resp: 1982311  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.2 43.8  
 170 24.7 19.3 28.9



#46  
 1,1'-Biphenyl  
 Concen: 41.871 ng  
 RT: 9.35 min Scan# 1235  
 Delta R.T. -0.00 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Tgt Ion:154 Resp: 1235787  
 Ion Ratio Lower Upper  
 154 100  
 153 41.1 21.1 61.1  
 76 12.4 0.0 30.8

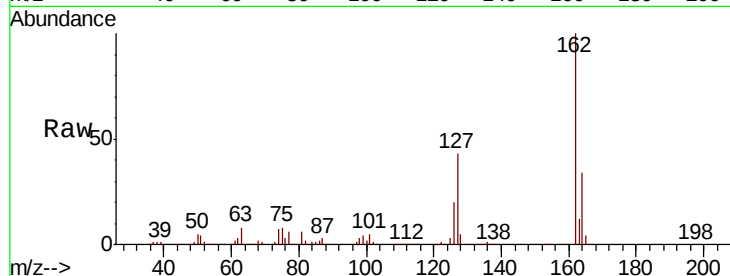




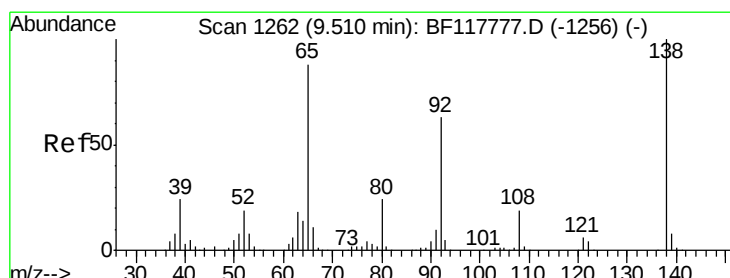
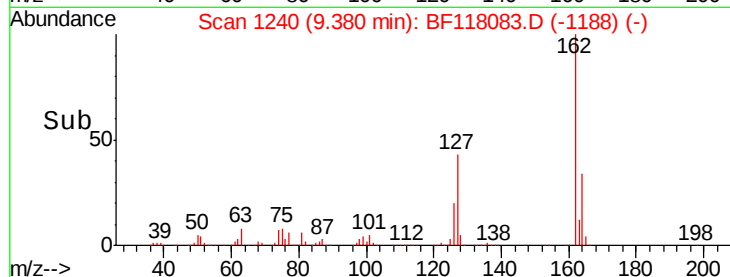
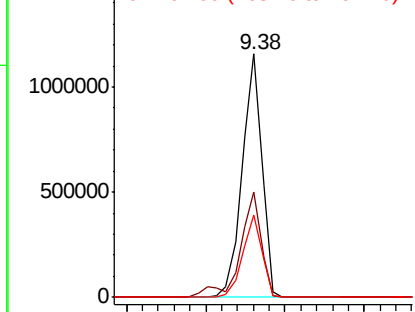
#47  
2-Chloronaphthalene  
Concen: 40.808 ng  
RT: 9.38 min Scan# 1240  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 990813  
Ion Ratio Lower Upper  
162 100  
127 43.3 34.6 52.0  
164 33.8 26.0 39.0

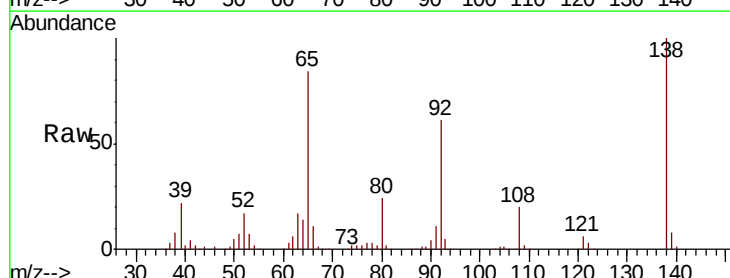


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

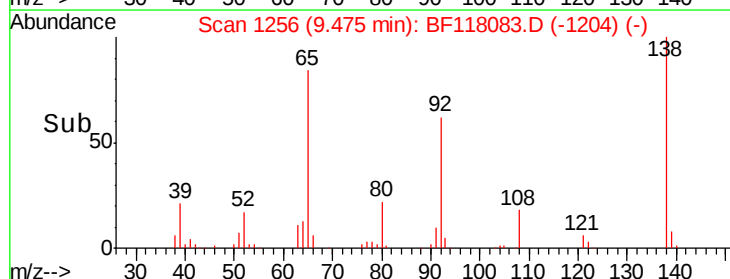
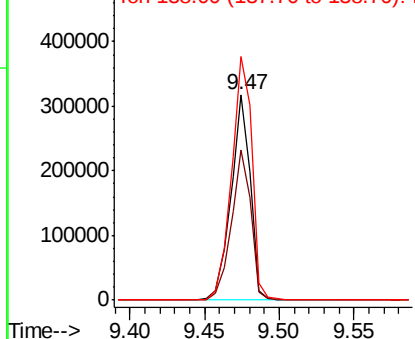


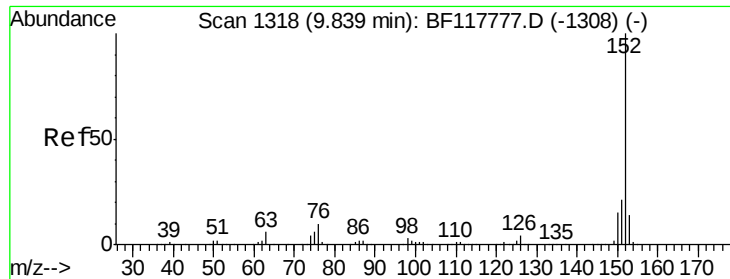
#48  
2-Nitroaniline  
Concen: 39.692 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion: 65 Resp: 290951  
Ion Ratio Lower Upper  
65 100  
92 72.8 57.9 86.9  
138 118.4 96.2 144.2



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: 42.207 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

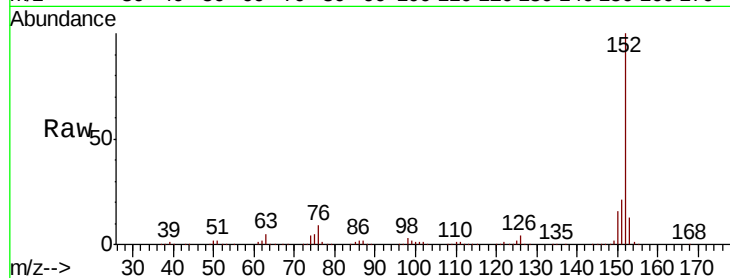
Tot Ion:152 Resp: 1494106

Ion Ratio Lower Upper

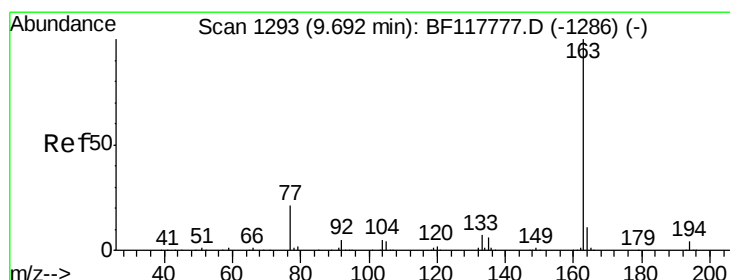
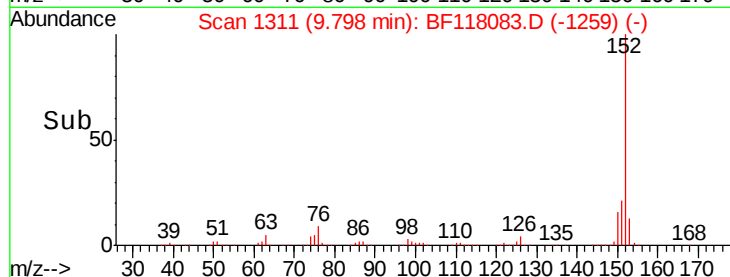
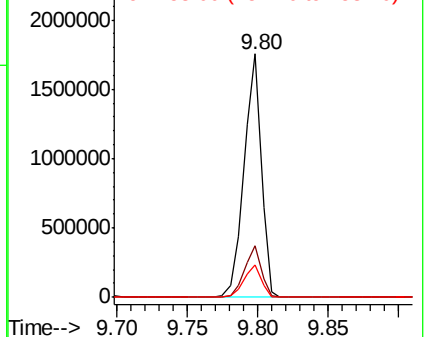
152 100

151 21.0 16.7 25.1

153 13.5 11.1 16.7



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



#50

Dimethylphthalate

Concen: 42.713 ng

RT: 9.66 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

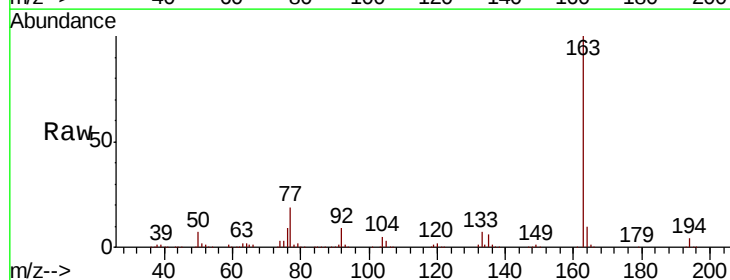
Tgt Ion:163 Resp: 1191548

Ion Ratio Lower Upper

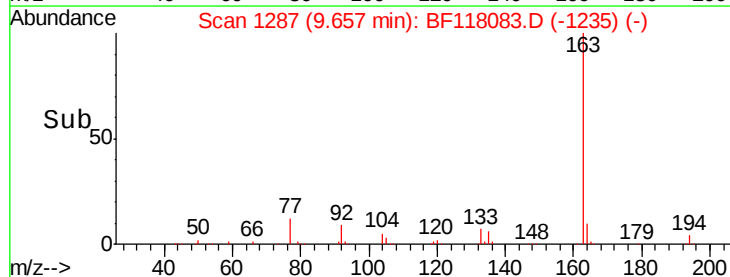
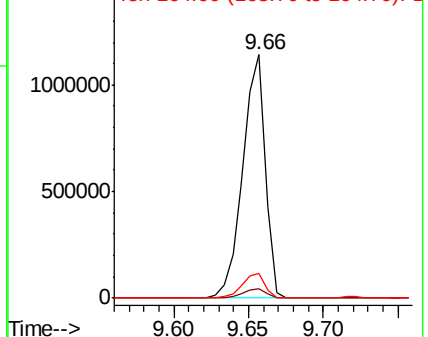
163 100

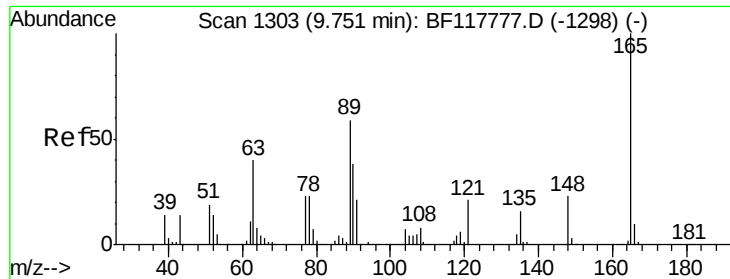
194 4.1 3.1 4.7

164 10.2 7.9 11.9



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: 42.961 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF118083.D

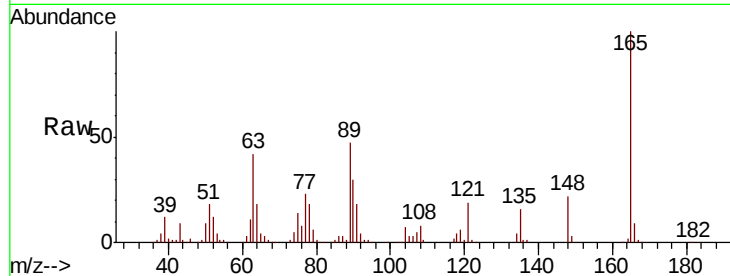
Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

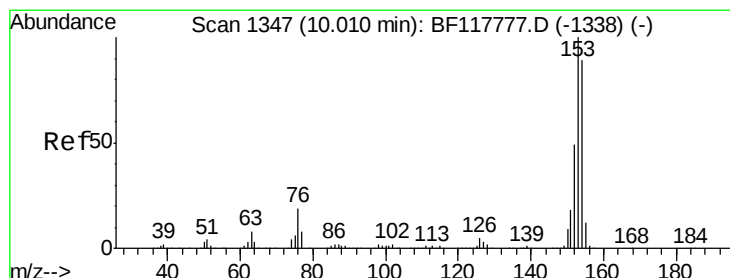
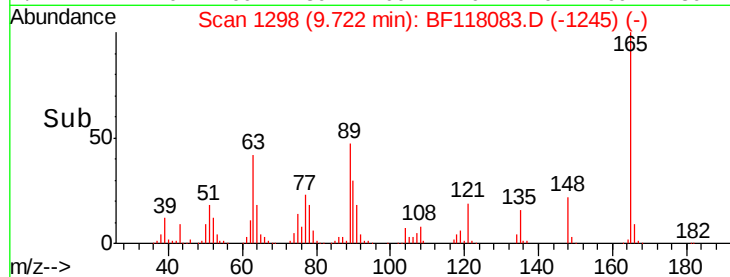
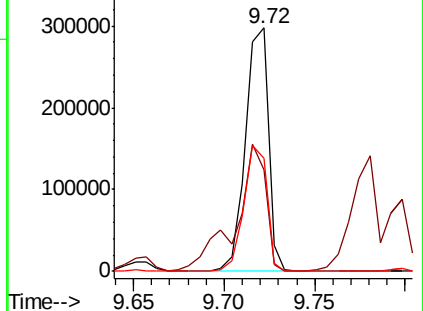
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 261929     |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 41.5  | 43.9 65.9# |
| 89          | 46.7  | 45.5 68.3  |



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 40.447 ng

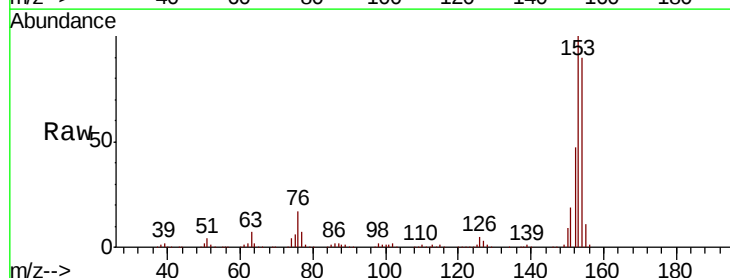
RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

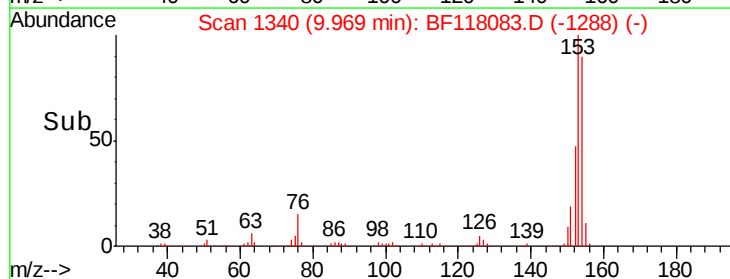
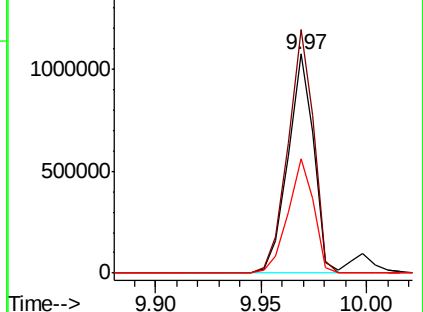
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 917201     |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 111.2 | 91.2 136.8 |
| 152         | 52.5  | 43.6 65.4  |

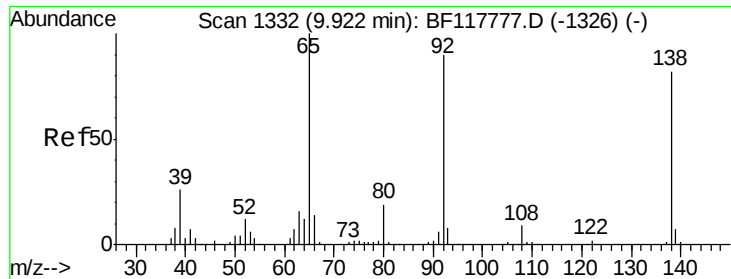


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

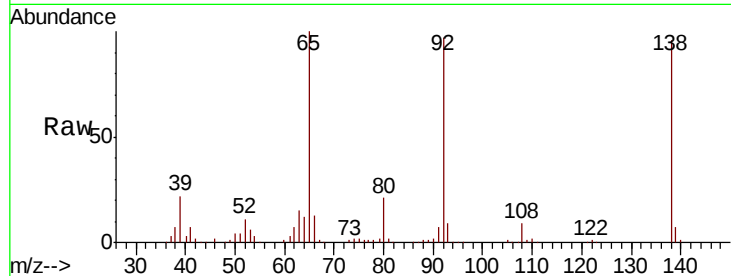




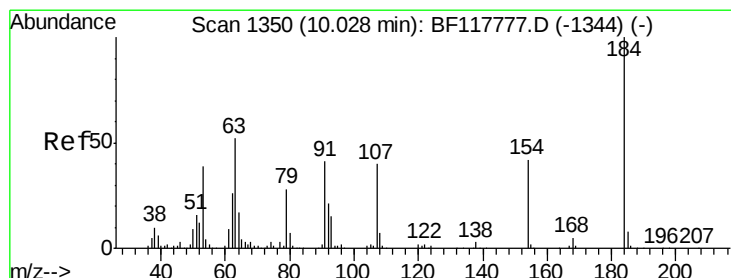
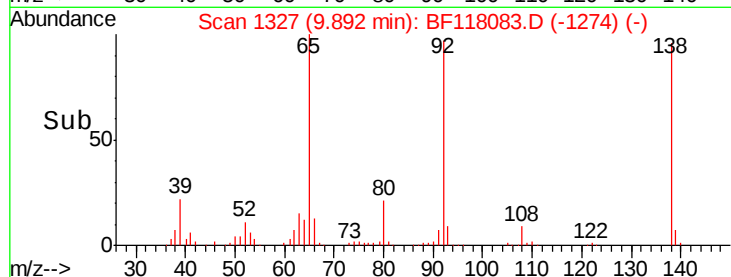
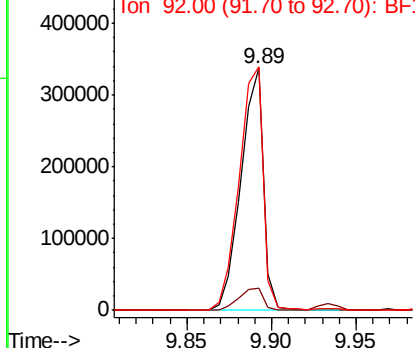
#53  
3-Nitroaniline  
Concen: 43.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 313700  
Ion Ratio Lower Upper  
138 100  
108 9.4 8.7 13.1  
92 100.5 87.4 131.0

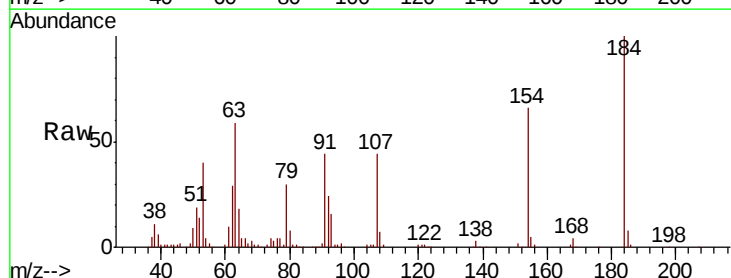


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

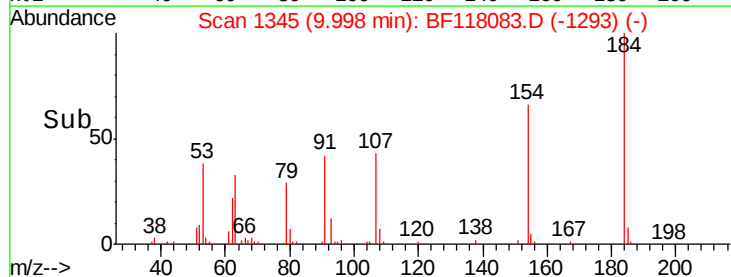
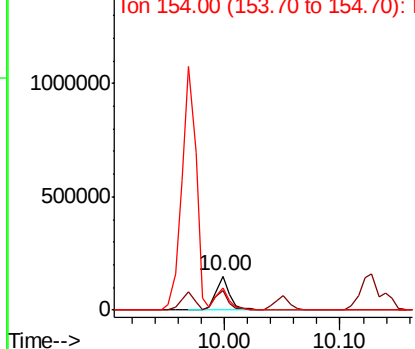


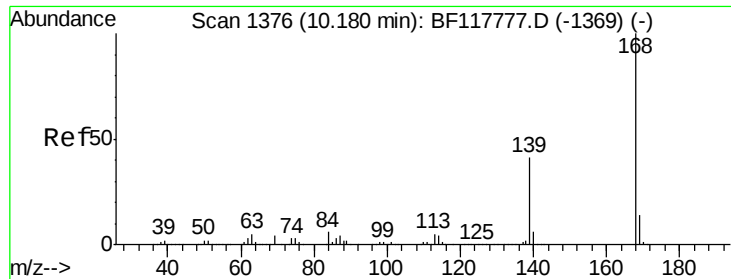
#54  
2,4-Dinitrophenol  
Concen: 45.784 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:184 Resp: 132785  
Ion Ratio Lower Upper  
184 100  
63 59.5 45.3 67.9  
154 66.4 51.6 77.4



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

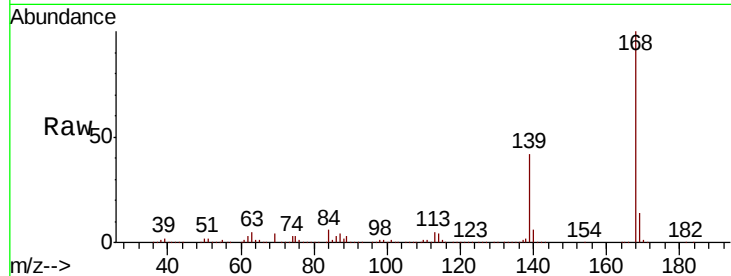




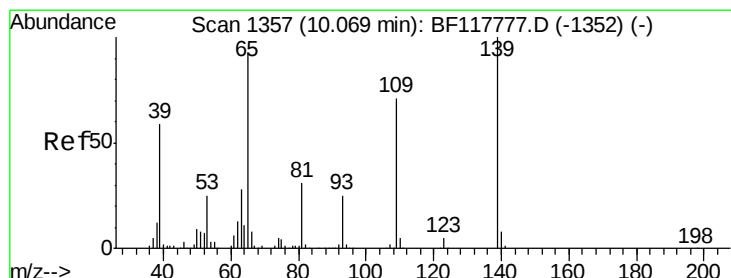
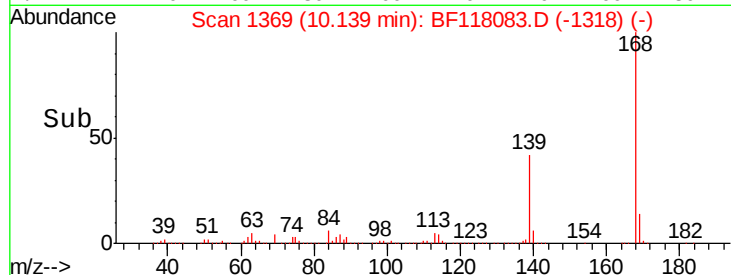
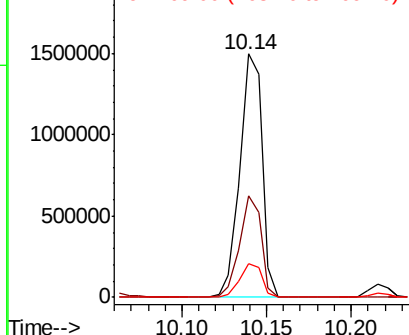
#55  
Dibenzofuran  
Concen: 43.819 ng  
RT: 10.14 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 1375975  
Ion Ratio Lower Upper  
168 100  
139 41.9 32.5 48.7  
169 14.0 10.8 16.2

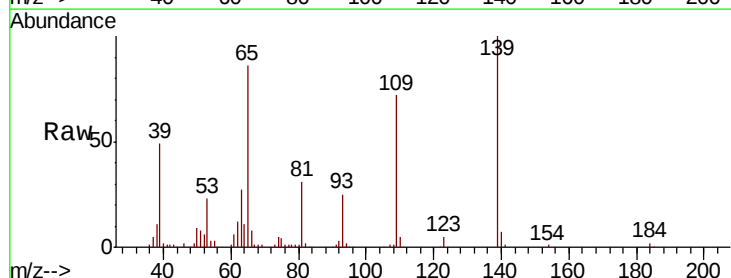


Abundance Ion 168.00 (167.70 to 168.70): E  
2000000 Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

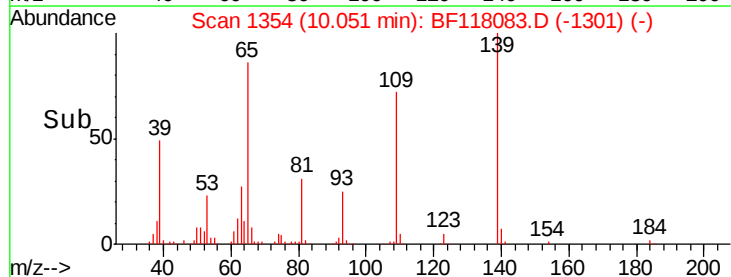
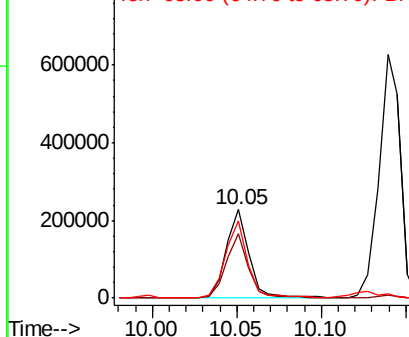


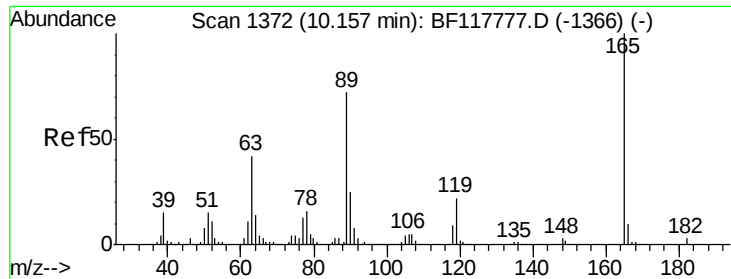
#56  
4-Nitrophenol  
Concen: 39.349 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:139 Resp: 214278  
Ion Ratio Lower Upper  
139 100  
109 72.5 55.2 95.2  
65 86.5 68.7 108.7



Abundance Ion 139.00 (138.70 to 139.70): E  
800000 Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

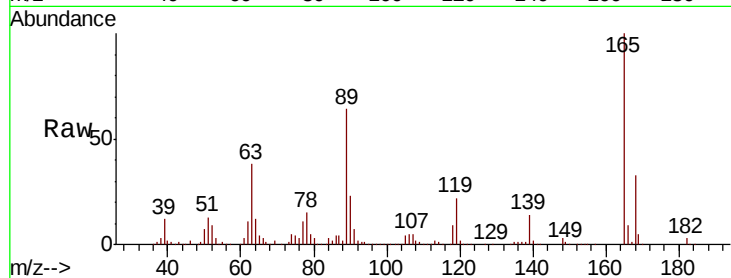




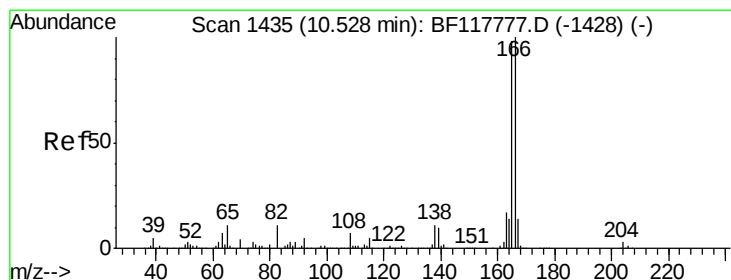
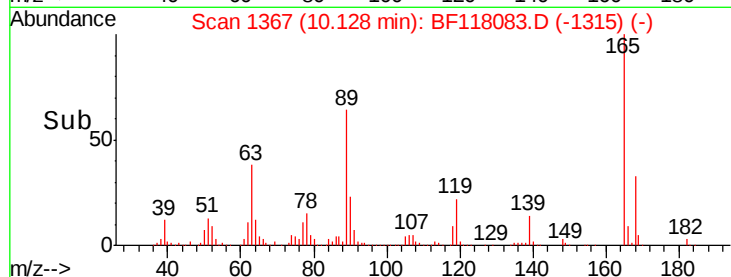
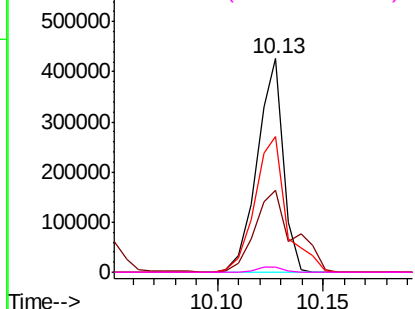
#57  
2,4-Dinitrotoluene  
Concen: 47.014 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 364622  
Ion Ratio Lower Upper  
165 100  
63 38.1 26.5 39.7  
89 63.7 47.2 70.8  
182 2.5 2.3 3.5

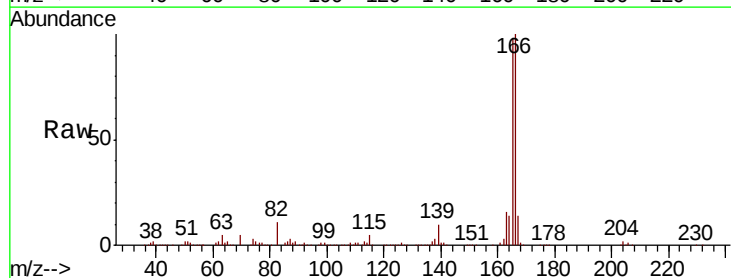


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

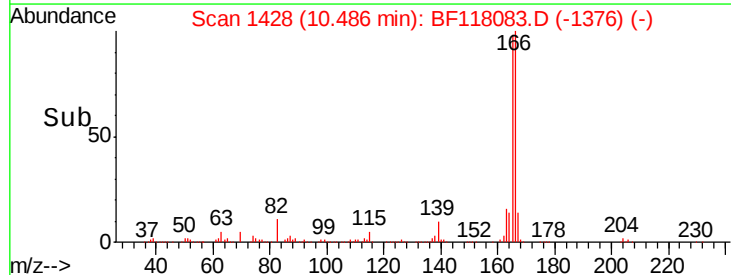
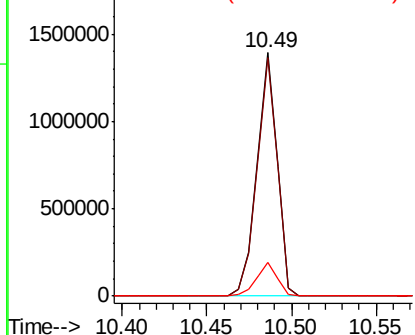


#58  
Fluorene  
Concen: 48.508 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:166 Resp: 1180378  
Ion Ratio Lower Upper  
166 100  
165 98.1 77.4 116.2  
167 13.9 10.7 16.1



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

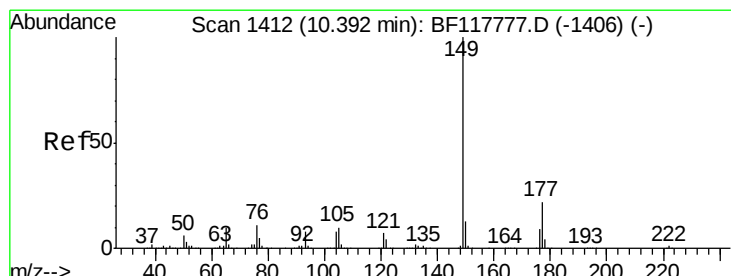
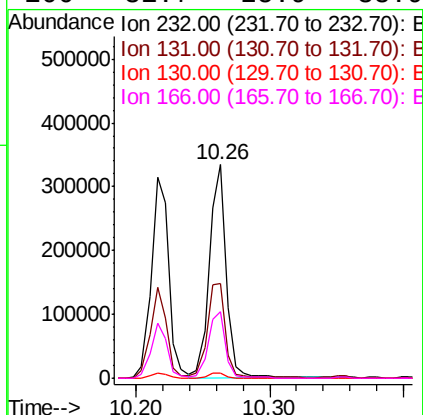
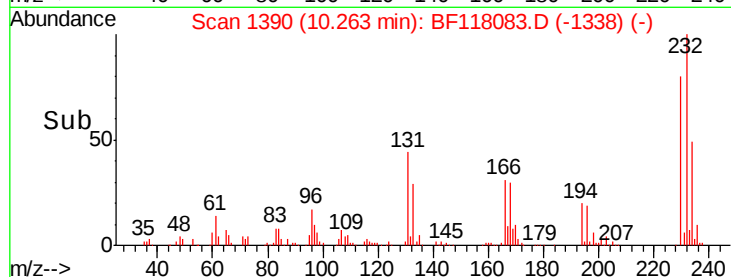
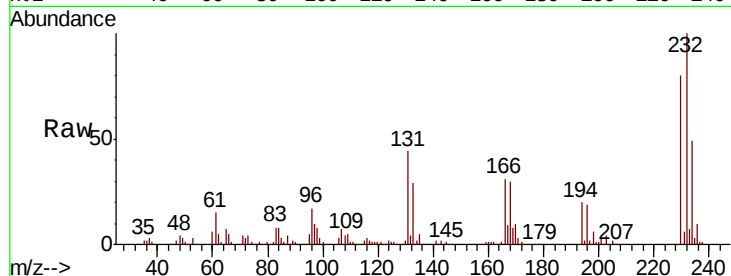




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.897 ng  
RT: 10.26 min Scan# 1390  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

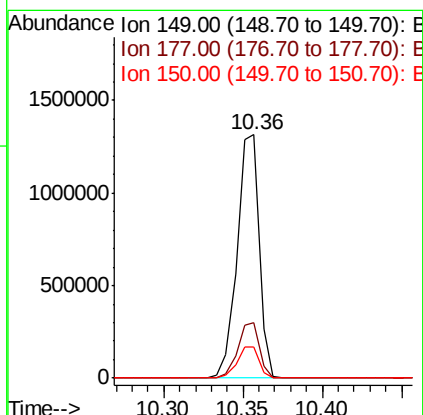
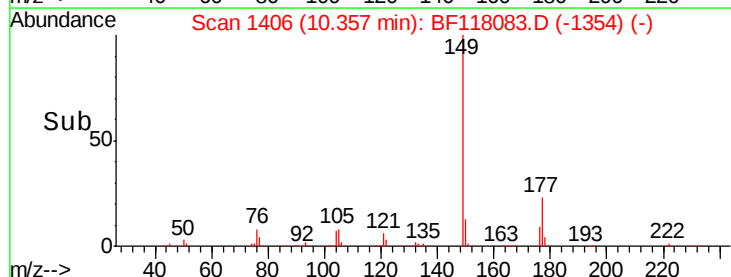
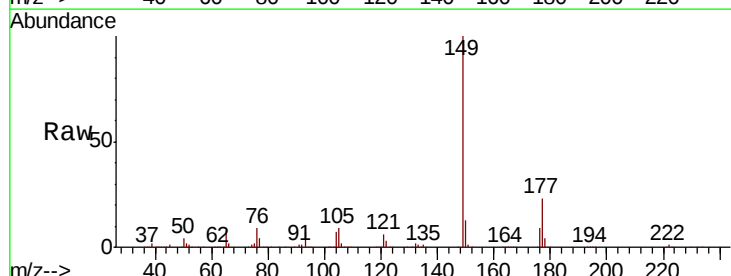
Instrument :  
BNA\_F  
ClientSampleId :

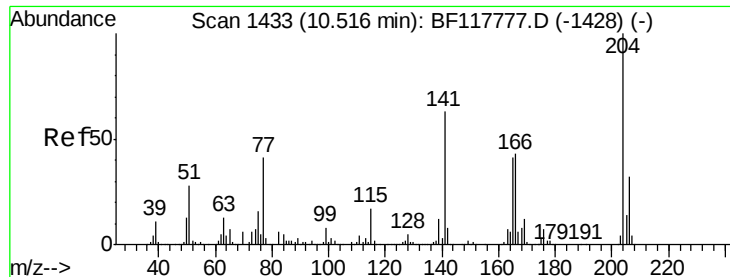
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 47.5  | 38.8  | 58.2  |
| 130     | 2.5   | 1.9   | 2.9   |
| 166     | 31.7  | 25.9  | 38.9  |



#60  
Diethylphthalate  
Concen: 46.690 ng  
RT: 10.36 min Scan# 1406  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.0  | 17.6  | 26.4  |
| 150     | 12.9  | 9.8   | 14.8  |

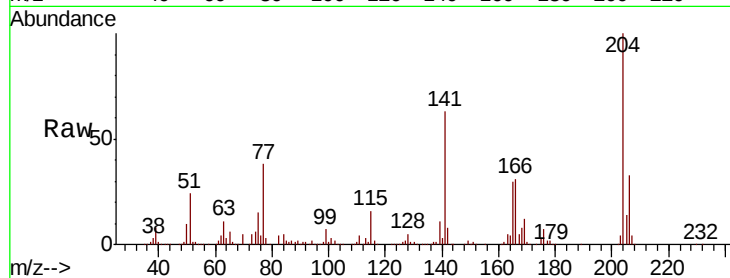




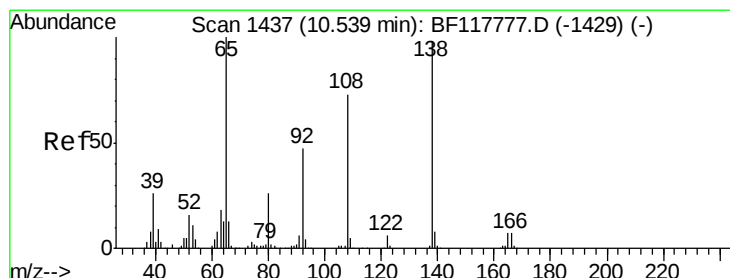
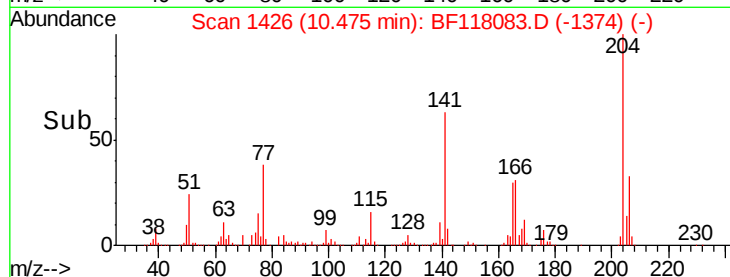
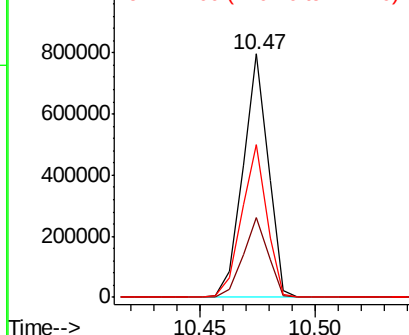
#61  
 4-Chlorophenyl-phenylether  
 Concen: 49.260 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:204 Resp: 608313  
 Ion Ratio Lower Upper  
 204 100  
 206 32.7 26.0 39.0  
 141 62.9 55.1 82.7

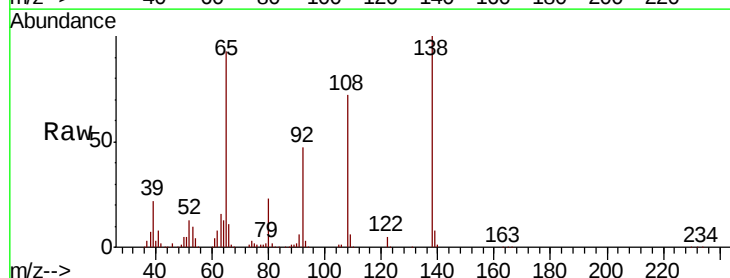


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

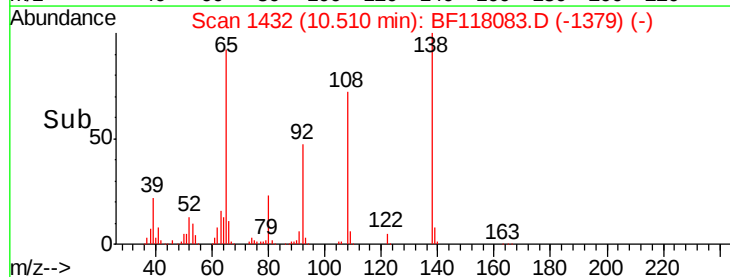
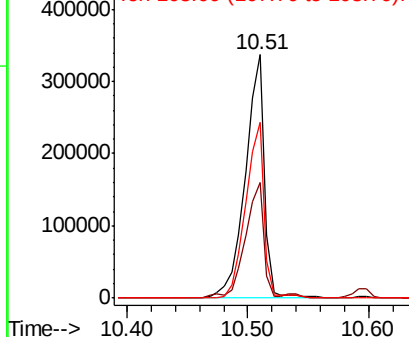


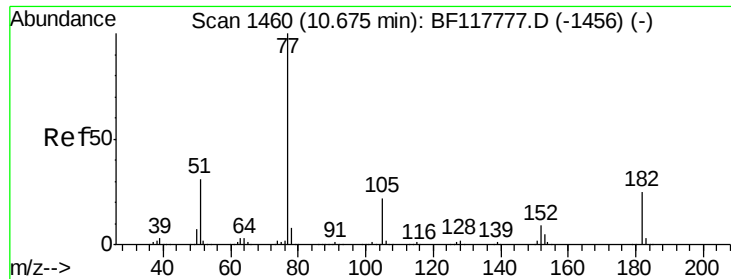
#62  
 4-Nitroaniline  
 Concen: 51.003 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Tgt Ion:138 Resp: 372553  
 Ion Ratio Lower Upper  
 138 100  
 92 47.2 27.5 67.5  
 108 71.9 57.9 97.9



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

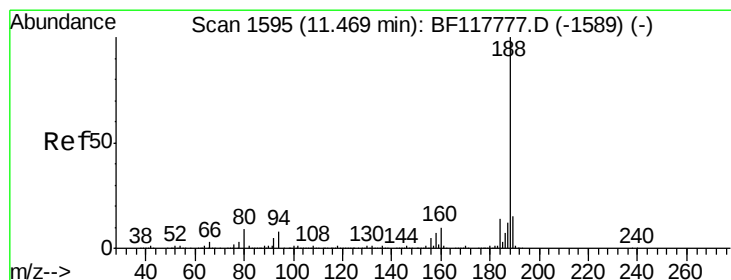
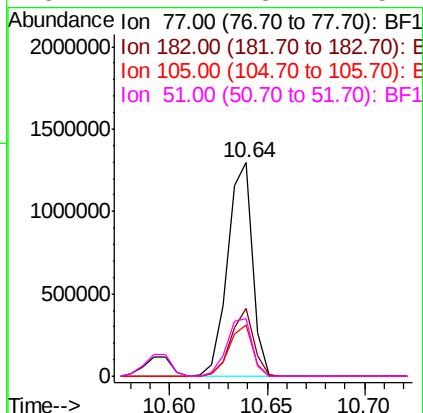
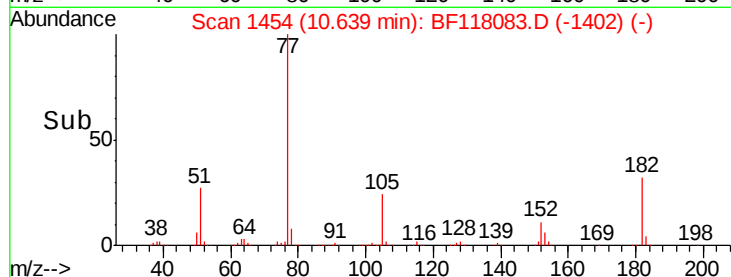
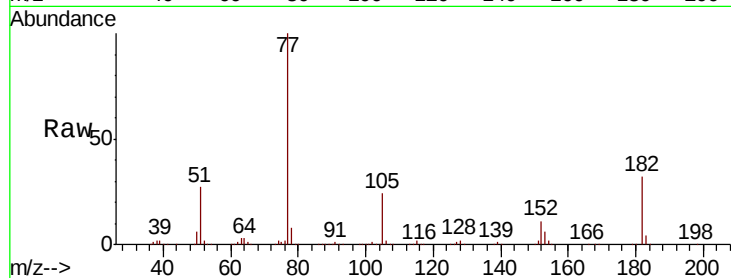




#63  
Azobenzene  
Concen: 46.134 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

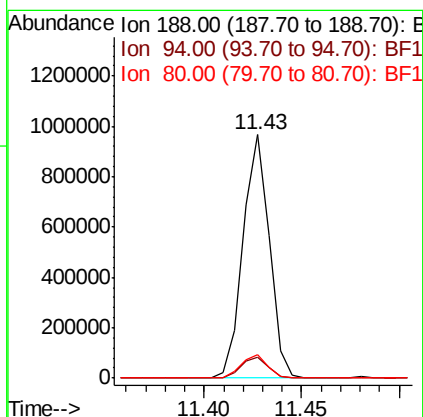
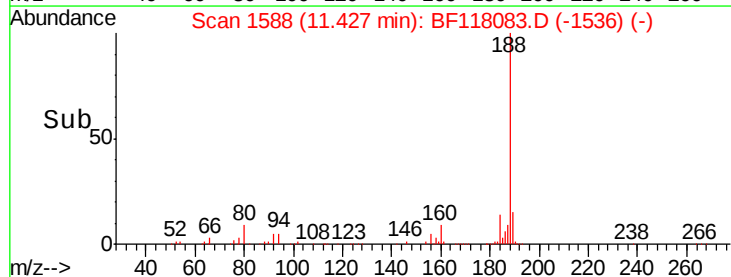
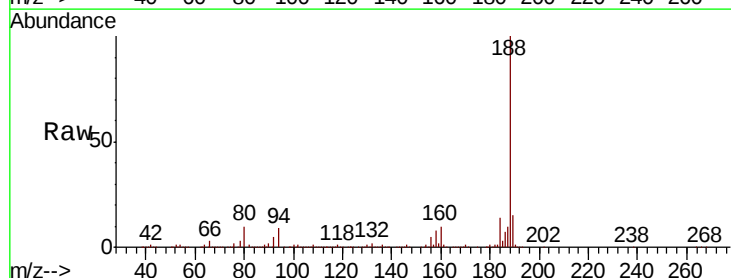
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 1141505  
Ion Ratio Lower Upper  
77 100  
182 31.7 8.2 48.2  
105 23.8 2.1 42.1  
51 27.2 8.7 48.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.43 min Scan# 1588  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion: 188 Resp: 903853  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.0 10.6  
80 9.5 7.2 10.8





#65

4,6-Dinitro-2-methylphenol

Concen: 47.574 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

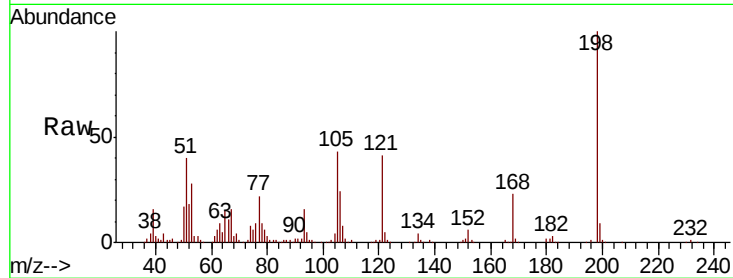
Tot Ion:198 Resp: 200738

Ion Ratio Lower Upper

198 100

51 39.8 12.6 52.6

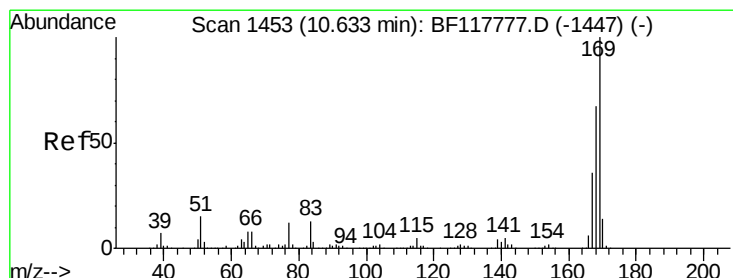
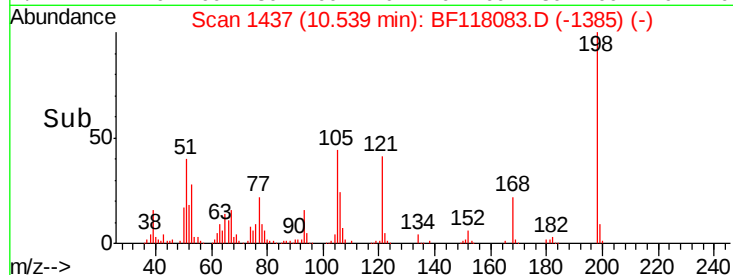
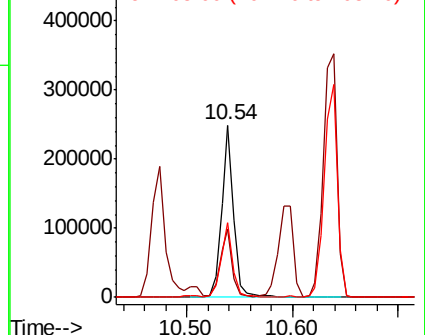
105 43.3 17.0 57.0



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: 40.401 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

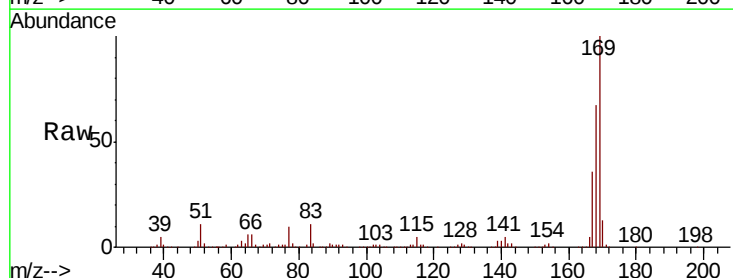
Tgt Ion:169 Resp: 1062730

Ion Ratio Lower Upper

169 100

168 67.4 52.5 78.7

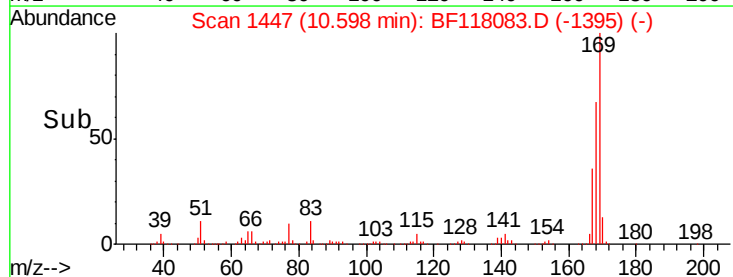
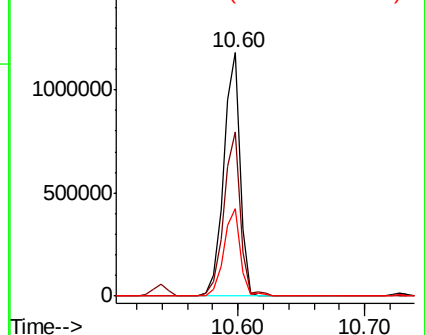
167 36.2 28.4 42.6



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

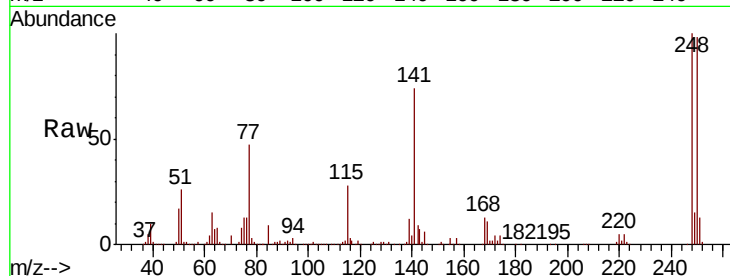




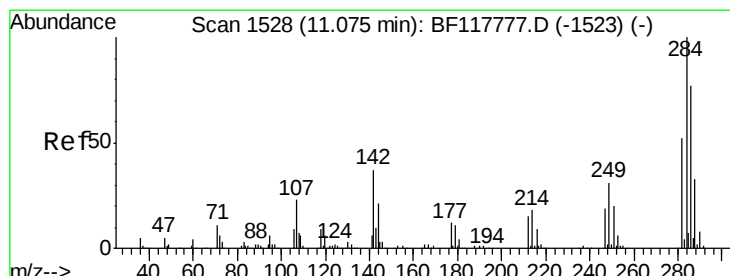
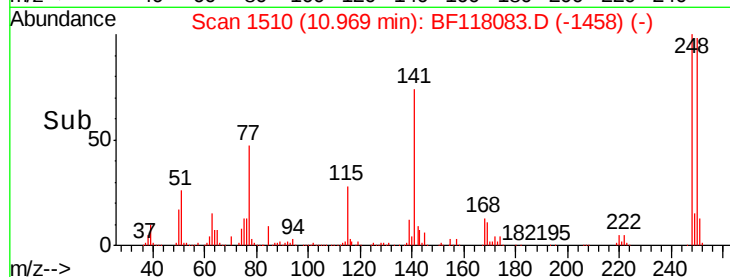
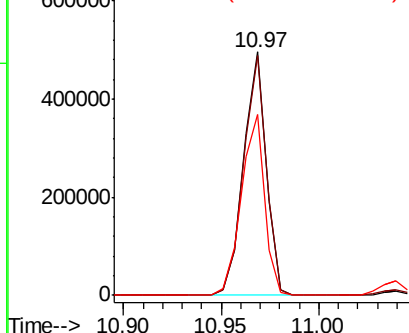
#67  
4-Bromophenyl-phenylether  
Concen: 41.107 ng  
RT: 10.97 min Scan# 1510  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 400890  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.0 117.0  
141 74.2 64.0 96.0

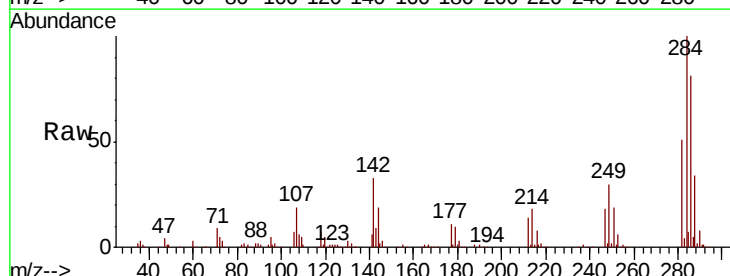


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

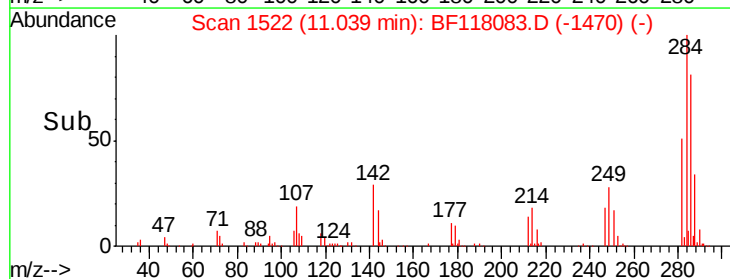
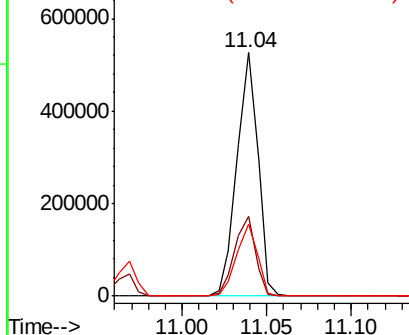


#68  
Hexachlorobenzene  
Concen: 40.118 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:284 Resp: 456219  
Ion Ratio Lower Upper  
284 100  
142 32.6 27.3 40.9  
249 29.8 24.8 37.2



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

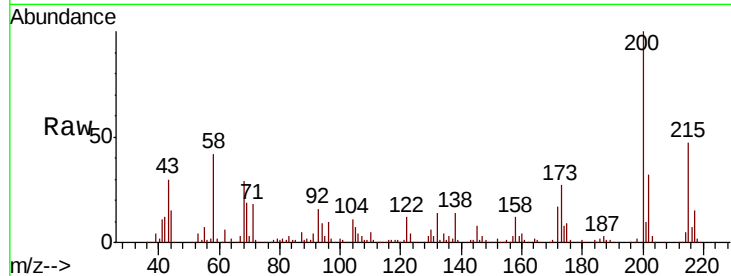




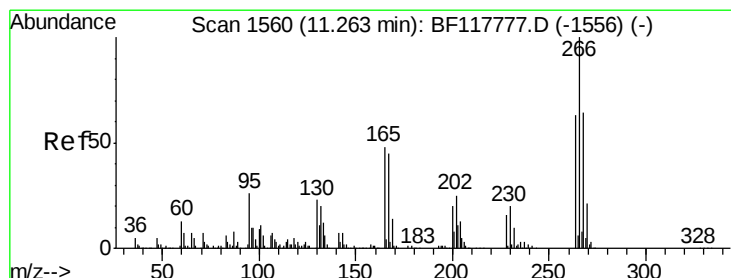
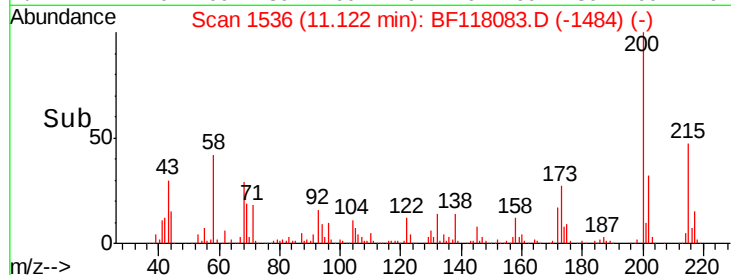
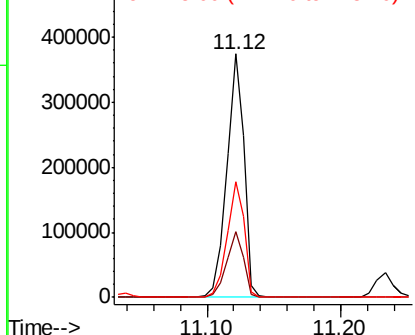
#69  
Atrazine  
Concen: 39.248 ng  
RT: 11.12 min Scan# 1536  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:200 Resp: 339611  
Ion Ratio Lower Upper  
200 100  
173 27.1 7.9 47.9  
215 47.3 27.0 67.0

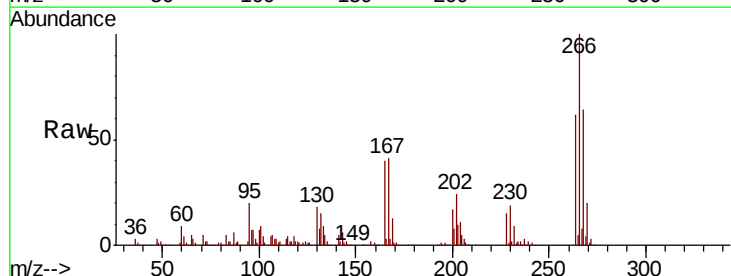


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

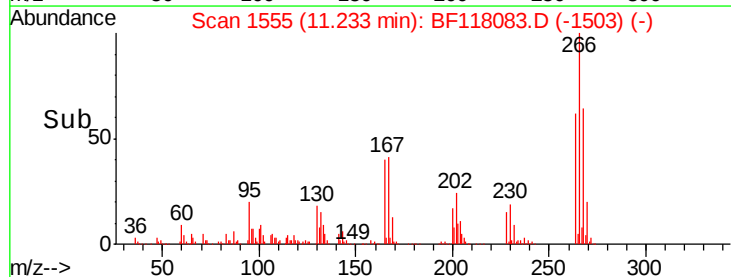
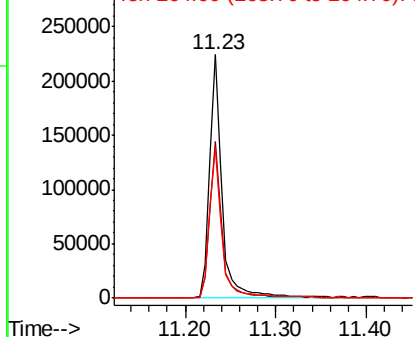


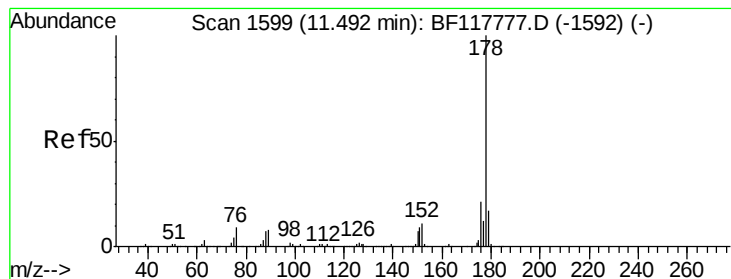
#70  
Pentachlorophenol  
Concen: 33.649 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:266 Resp: 223557  
Ion Ratio Lower Upper  
266 100  
268 64.3 50.3 75.5  
264 61.8 50.3 75.5



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





#71

Phenanthrene

Concen: 40.988 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampled :

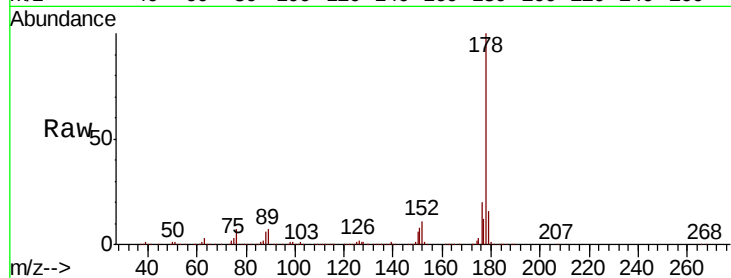
Tot Ion:178 Resp: 1862625

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.0

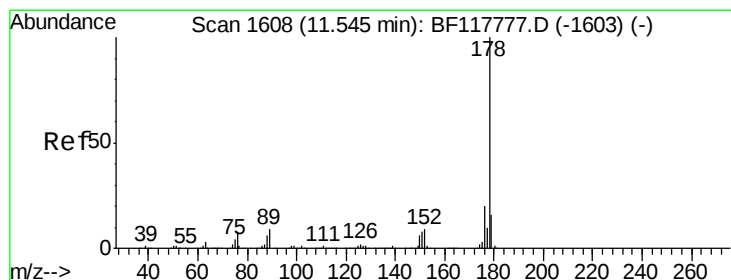
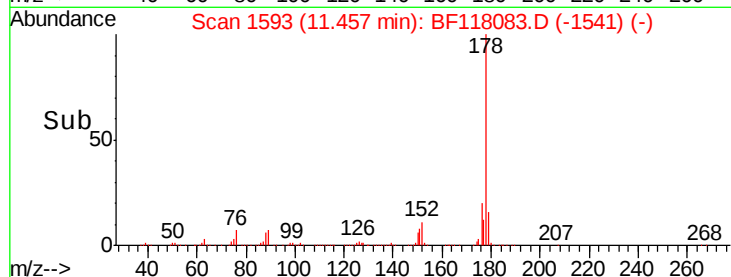
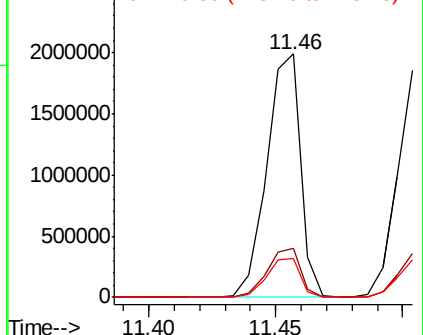
179 15.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 39.847 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

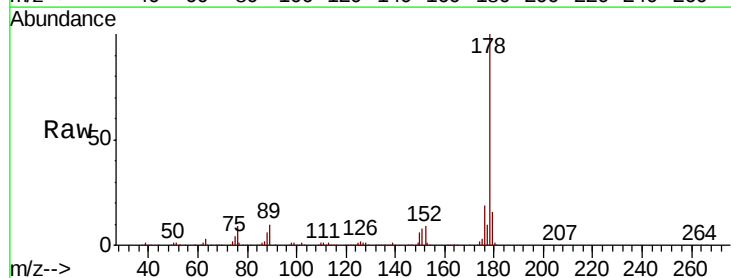
Tgt Ion:178 Resp: 1795313

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

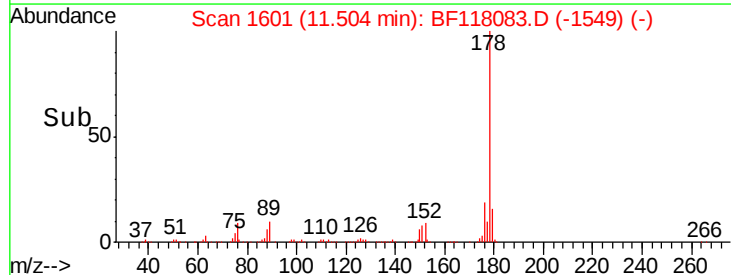
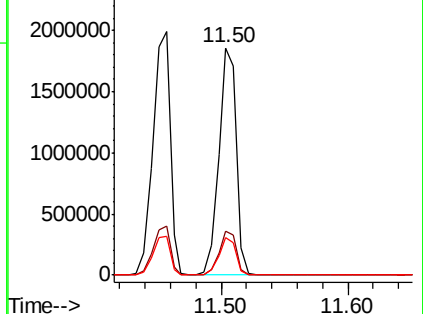
179 16.3 12.8 19.2

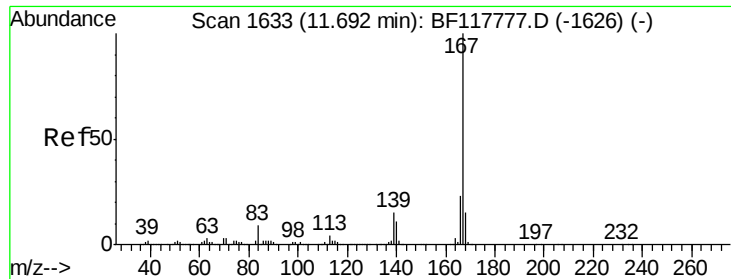


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

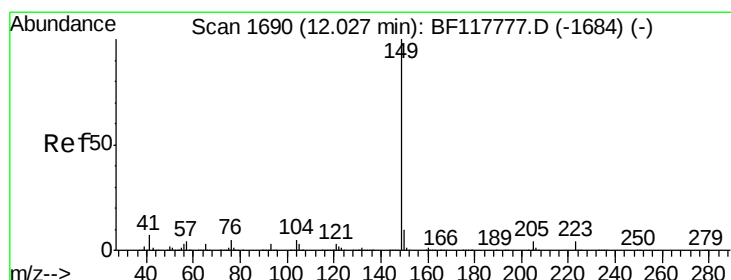
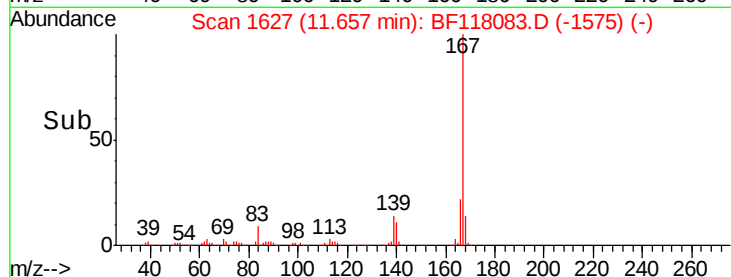
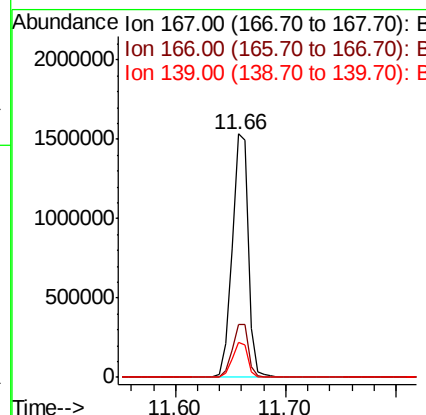
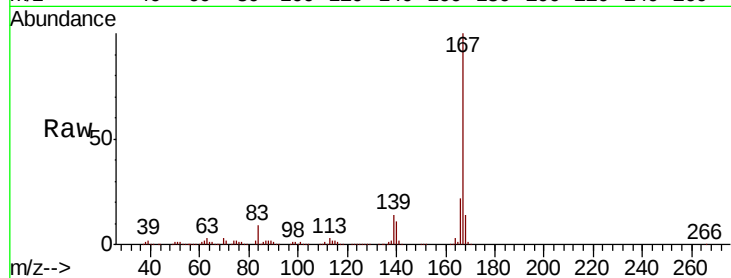




#73  
 Carbazole  
 Concen: 39.983 ng  
 RT: 11.66 min Scan# 1627  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

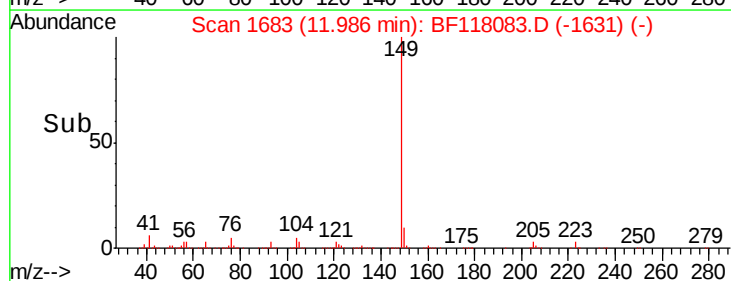
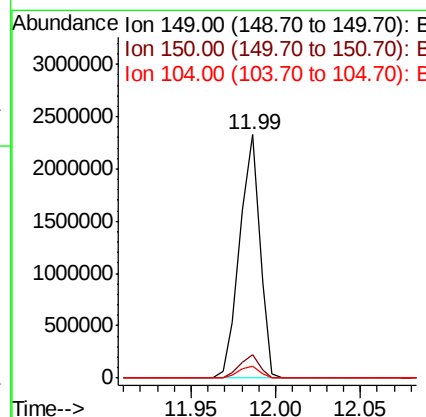
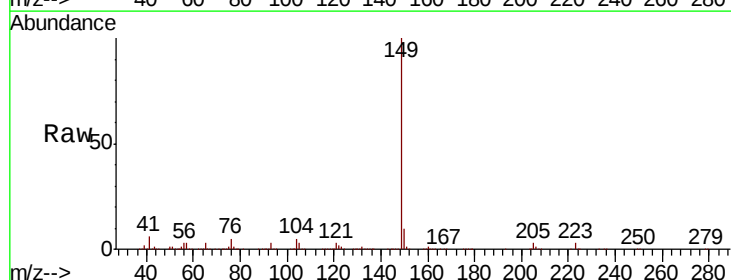
Instrument :  
 BNA\_F  
 ClientSampleId :

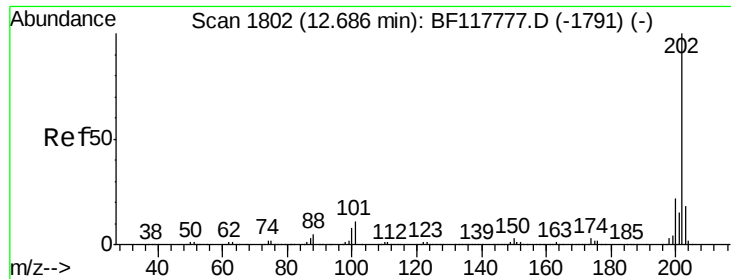
Tot Ion:167 Resp: 1574220  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.6 26.4  
 139 14.4 11.5 17.3



#74  
 Di-n-butylphthalate  
 Concen: 39.553 ng  
 RT: 11.99 min Scan# 1683  
 Delta R.T. 0.01 min  
 Lab File: BF118083.D  
 Acq: 4 Dec 2019 13:09

Tgt Ion:149 Resp: 1938922  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 7.5 11.3  
 104 5.2 4.2 6.4

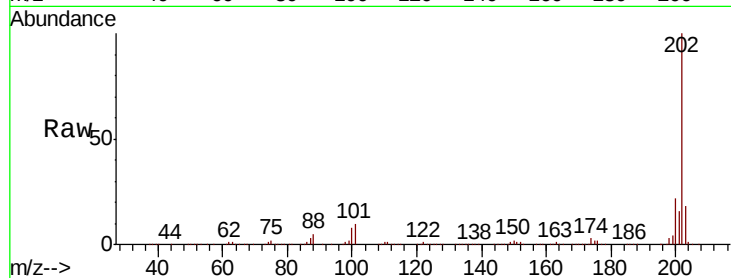




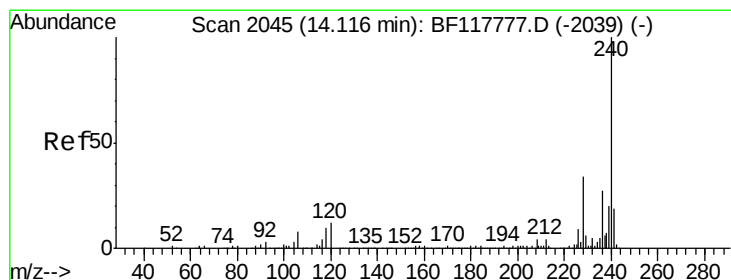
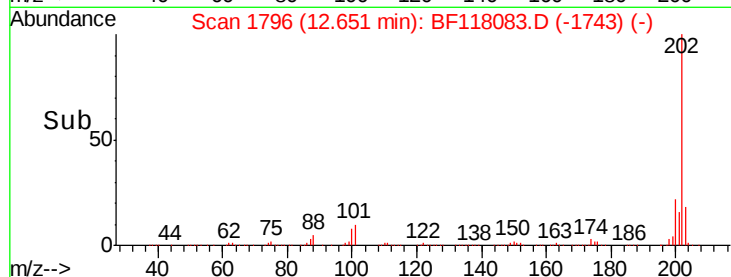
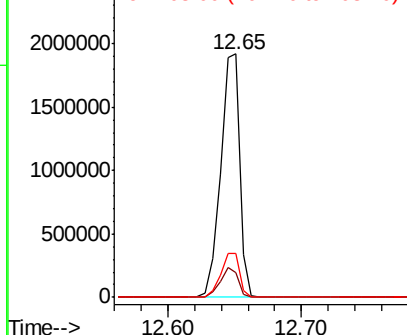
#75  
Fluoranthene  
Concen: 47.149 ng  
RT: 12.65 min Scan# 1796  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:202 Resp: 1936236  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 31.5  
203 18.3 0.0 37.6

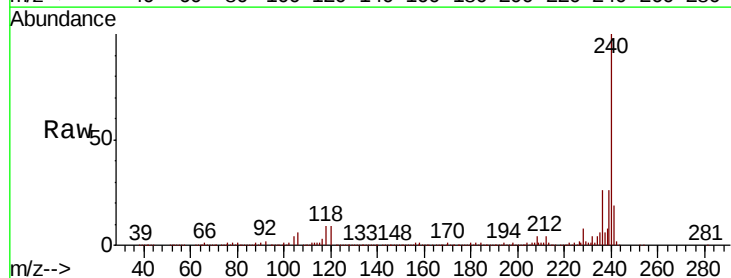


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

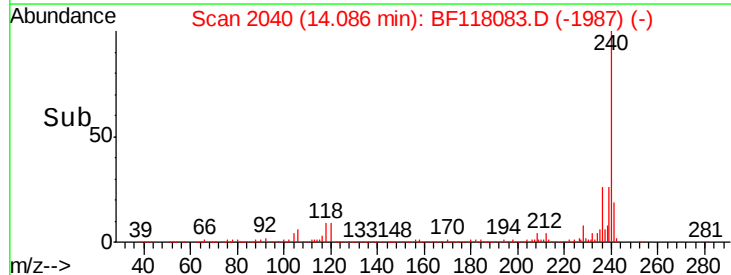
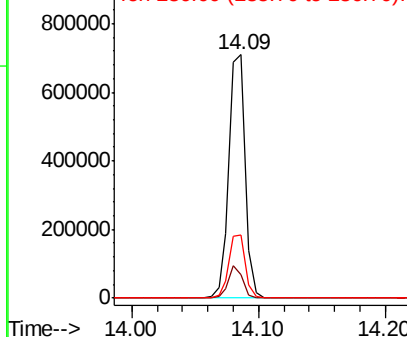


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:240 Resp: 631185  
Ion Ratio Lower Upper  
240 100  
120 9.4 8.4 12.6  
236 26.1 20.6 31.0



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

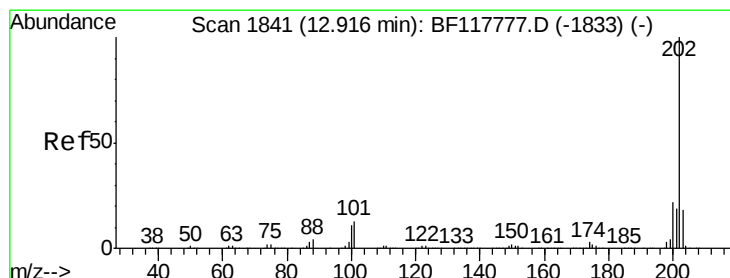
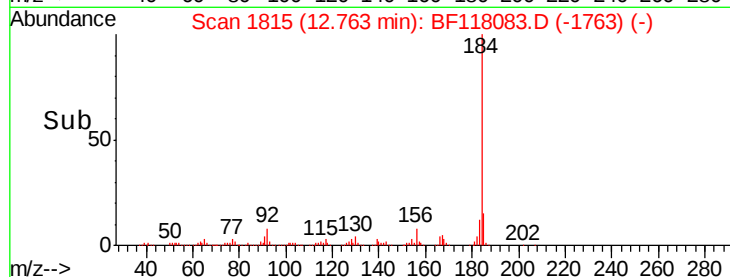
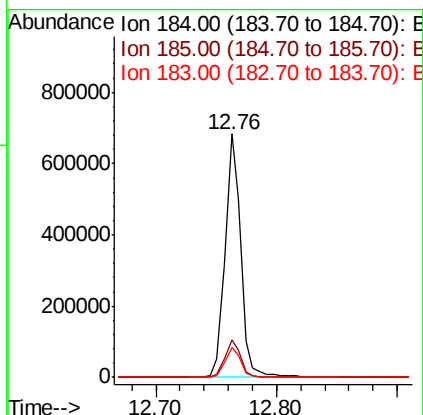
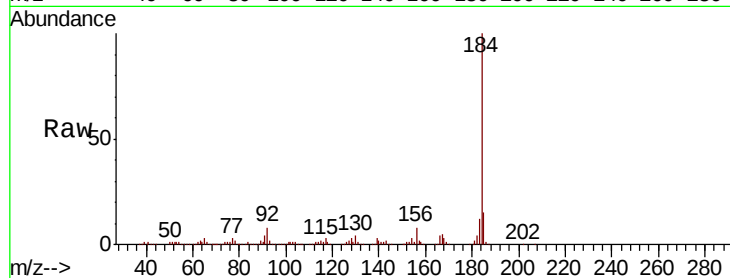




#77  
Benzidine  
Concen: 29.625 ng  
RT: 12.76 min Scan# 1815  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

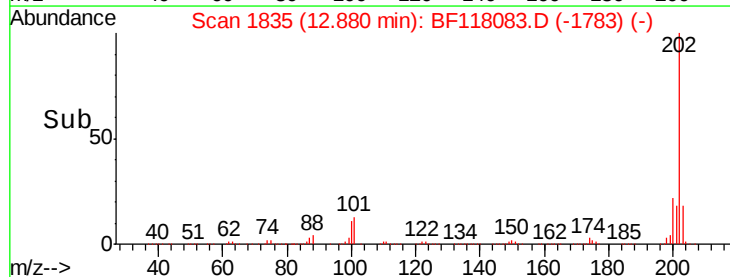
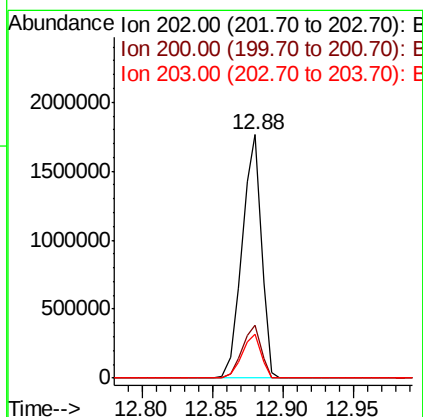
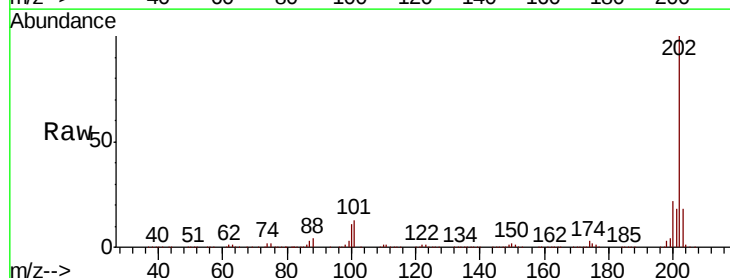
Instrument :  
BNA\_F  
ClientSampleId :

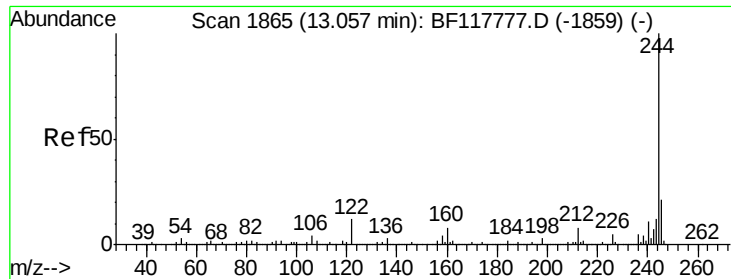
Tot Ion:184 Resp: 612503  
Ion Ratio Lower Upper  
184 100  
185 15.2 11.6 17.4  
183 12.1 9.7 14.5



#78  
Pyrene  
Concen: 32.876 ng  
RT: 12.88 min Scan# 1835  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:202 Resp: 1676972  
Ion Ratio Lower Upper  
202 100  
200 21.9 17.0 25.6  
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 72.231 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

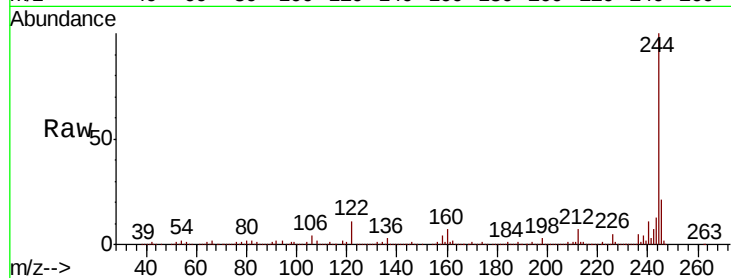
Tot Ion:244 Resp: 2494560

Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

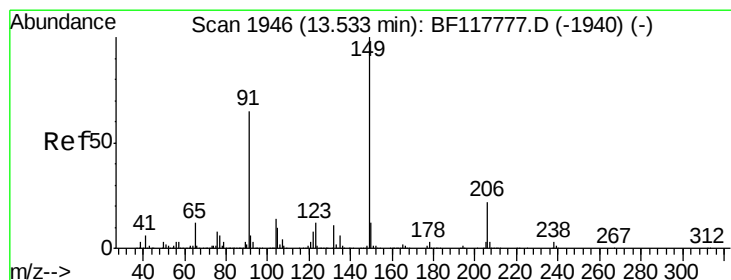
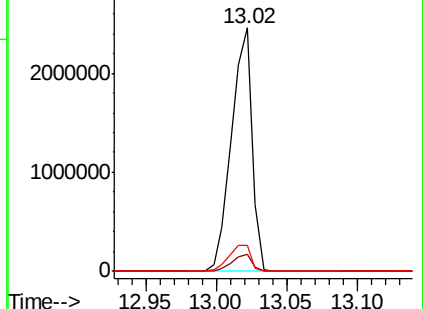
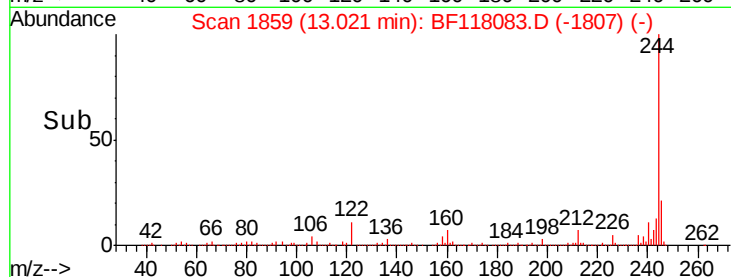
122 10.9 7.2 10.8#



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: 41.539 ng

RT: 13.49 min Scan# 1939

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

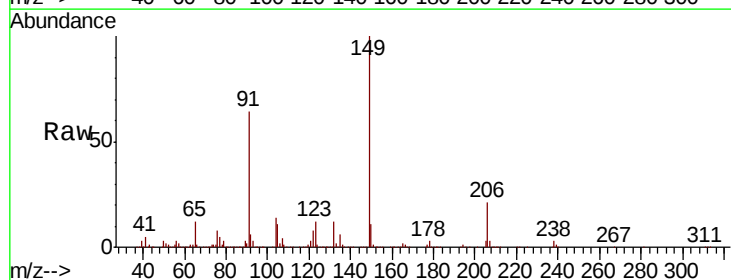
Tgt Ion:149 Resp: 910052

Ion Ratio Lower Upper

149 100

91 64.3 53.1 79.7

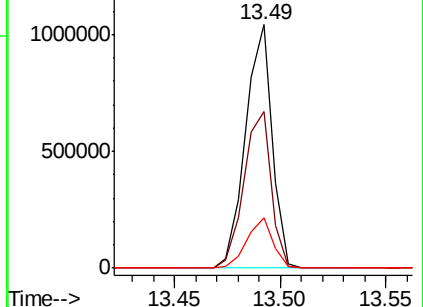
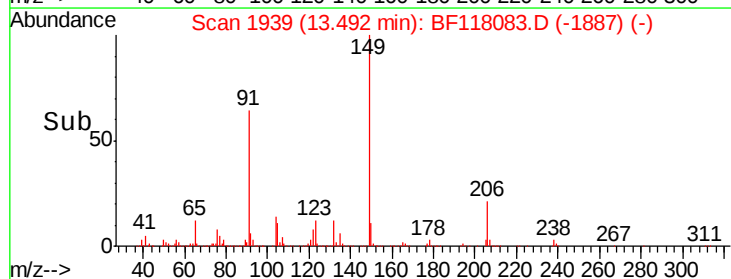
206 20.9 15.8 23.6



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

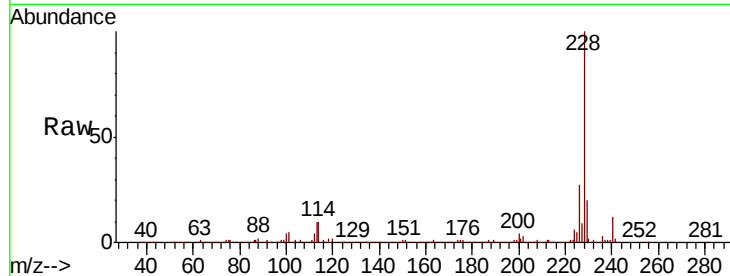




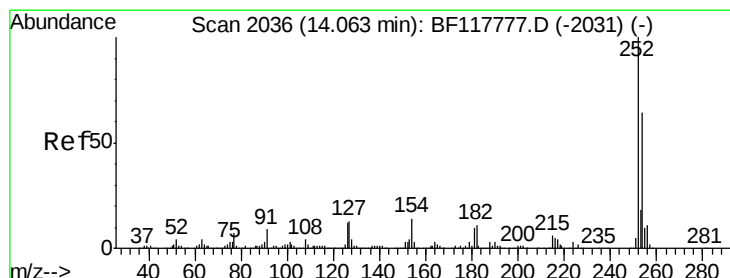
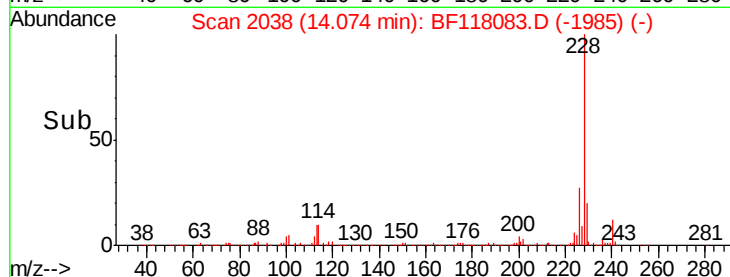
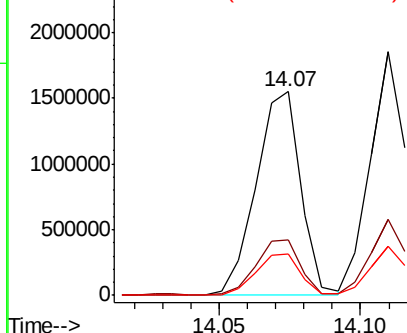
#81  
Benzo(a)anthracene  
Concen: 40.822 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:228 Resp: 1702681  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.9 32.9  
229 20.1 16.2 24.2

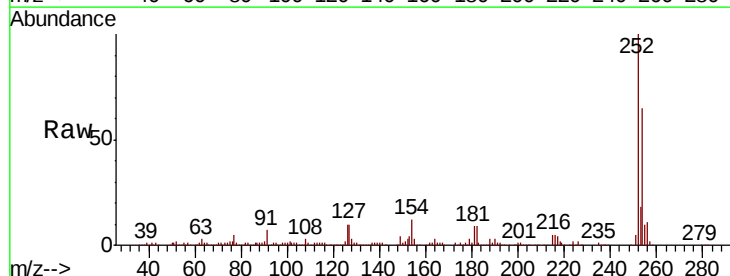


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

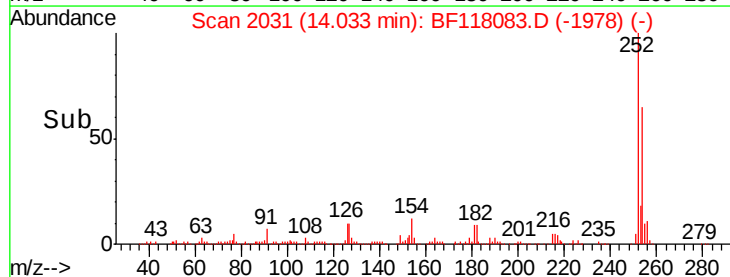
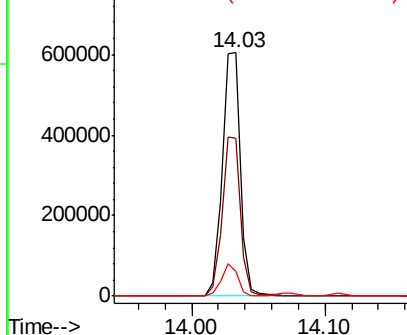


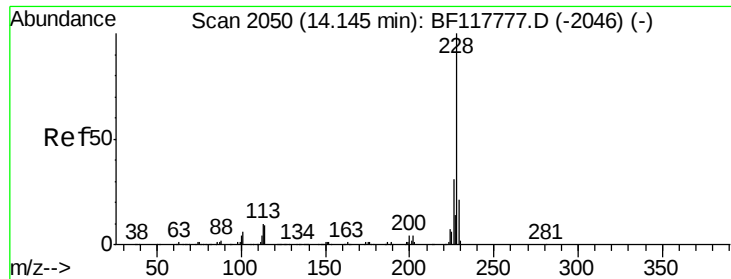
#82  
3,3'-Dichlorobenzidine  
Concen: 40.167 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:252 Resp: 586026  
Ion Ratio Lower Upper  
252 100  
254 65.0 52.2 78.2  
126 9.9 9.3 13.9



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E

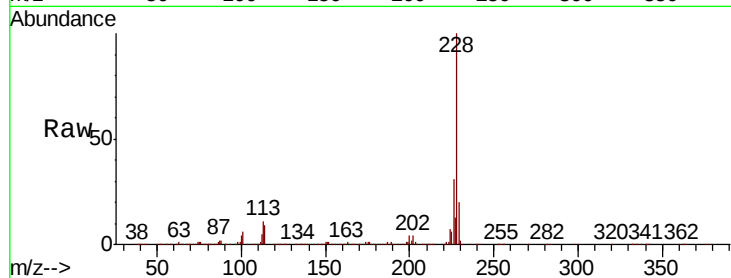




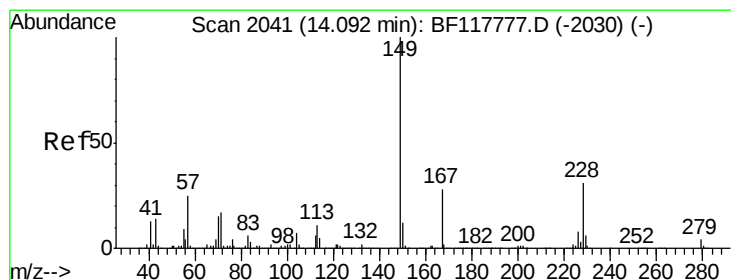
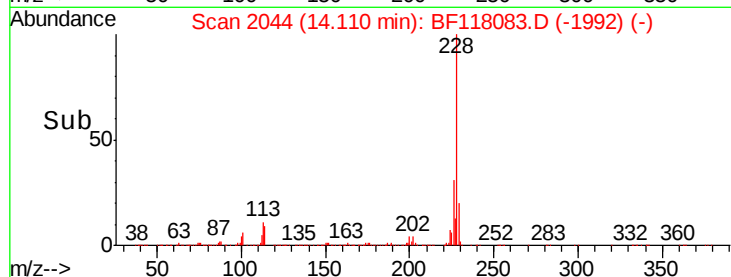
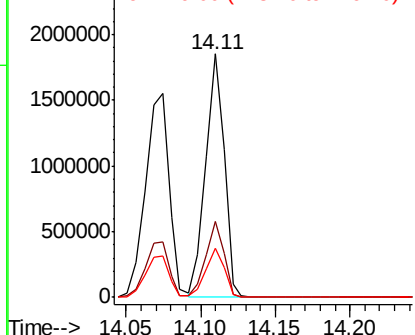
#83  
Chrysene  
Concen: 39.280 ng  
RT: 14.11 min Scan# 2044  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 1587559  
Ion Ratio Lower Upper  
228 100  
226 31.0 23.6 35.4  
229 20.4 16.2 24.2

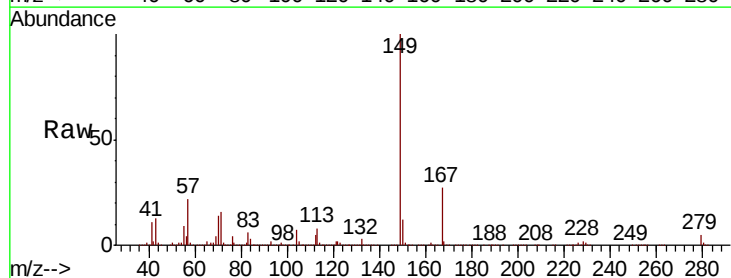


Abundance Ion 228.00 (227.70 to 228.70): E  
2500000 Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

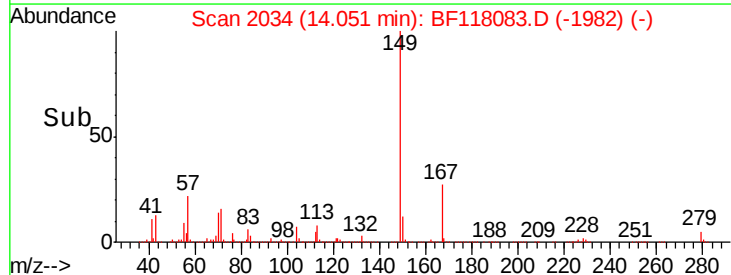
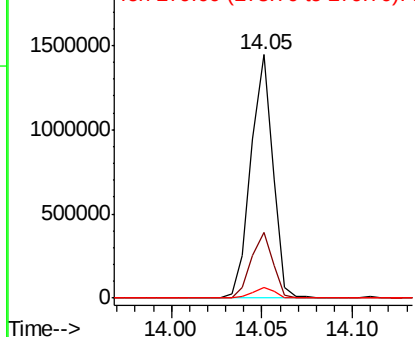


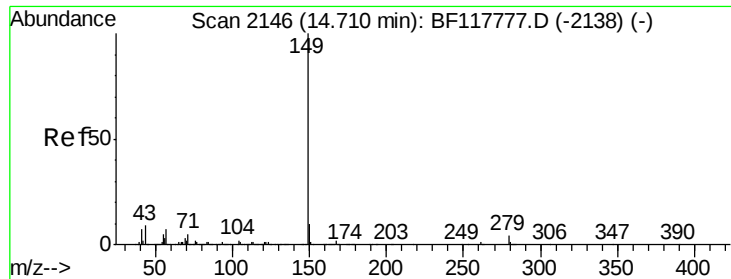
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 45.966 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.01 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:149 Resp: 1220897  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.8 32.8  
279 4.5 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E  
2000000 Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.660 ng

RT: 14.67 min Scan# 2139

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampled :

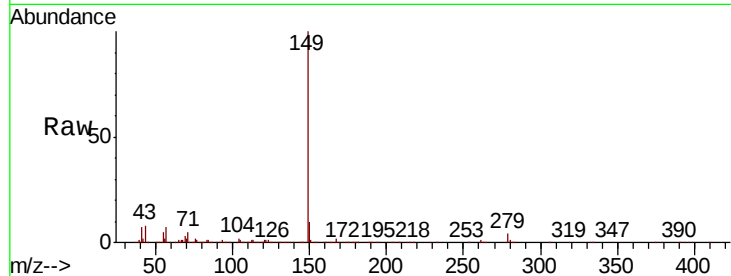
Tot Ion:149 Resp: 1742665

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

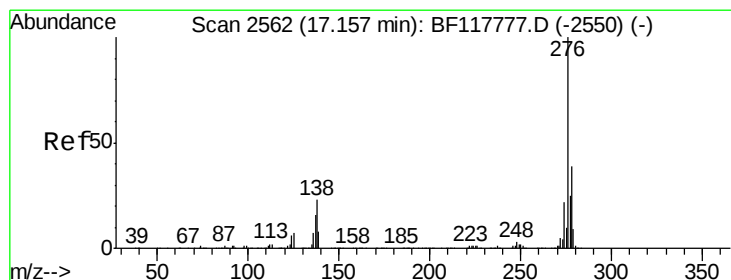
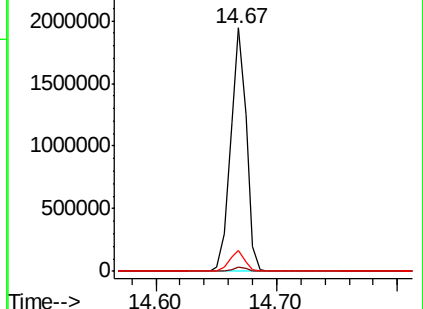
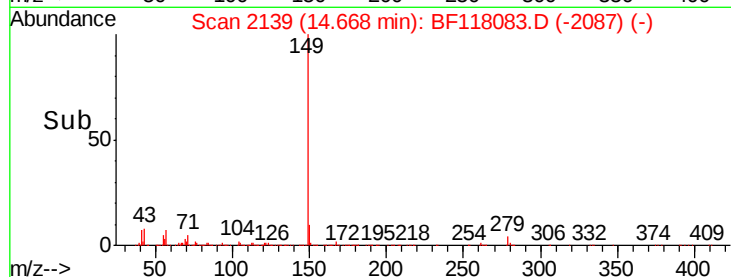
43 8.1 6.4 9.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 37.330 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

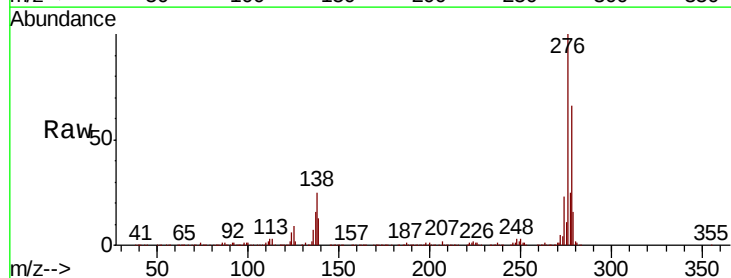
Tgt Ion:276 Resp: 1284100

Ion Ratio Lower Upper

276 100

138 25.2 19.0 28.6

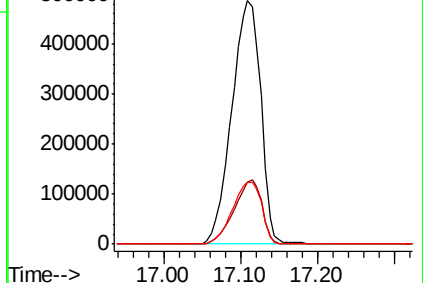
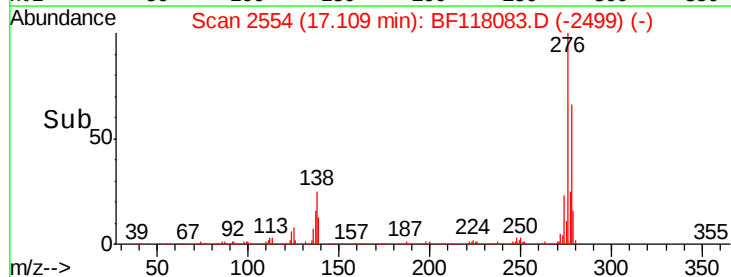
277 25.8 20.7 31.1

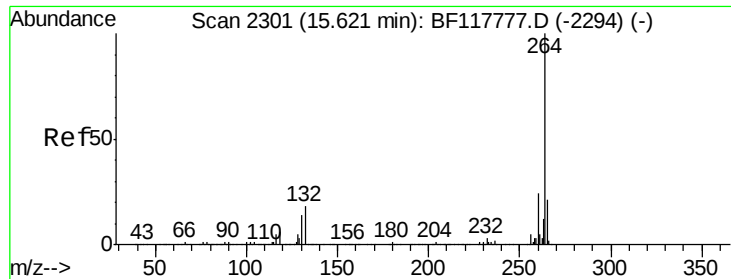


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Instrument :

BNA\_F

ClientSampleId :

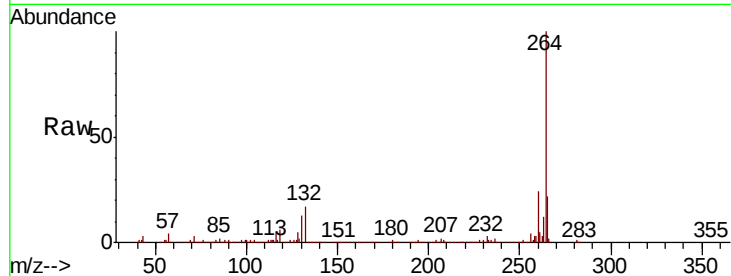
Tot Ion:264 Resp: 486814

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

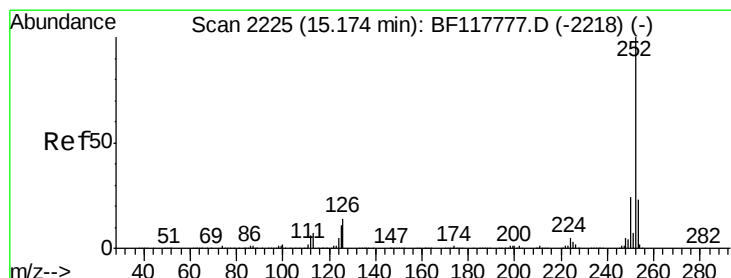
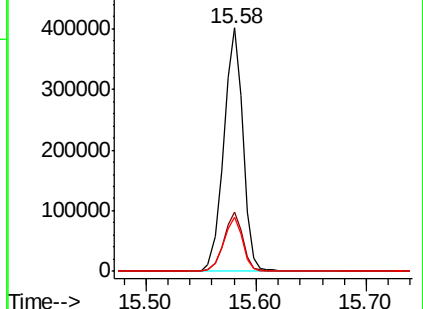
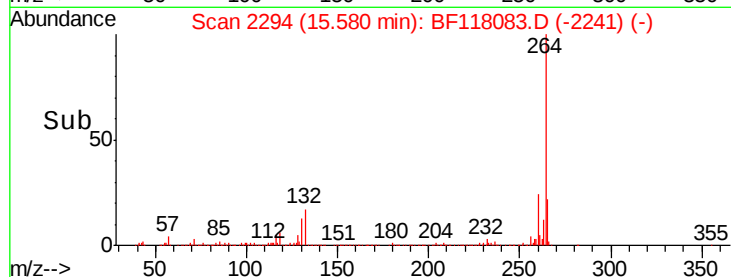
265 22.0 16.4 24.6



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: 49.793 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

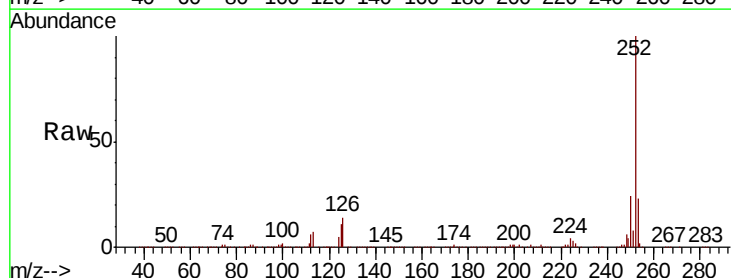
Tgt Ion:252 Resp: 1574867

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

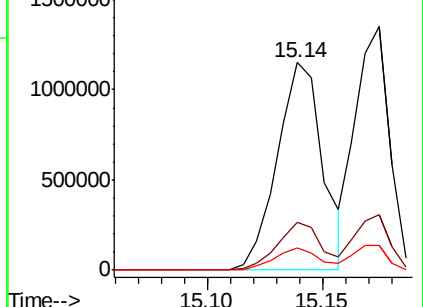
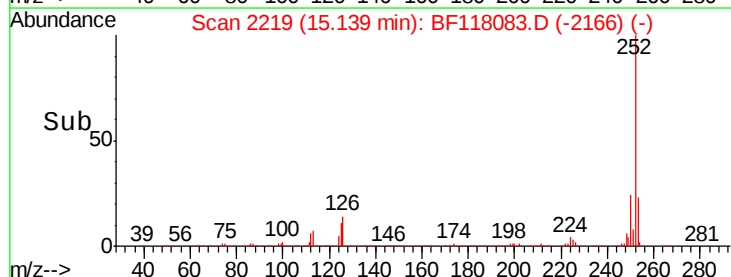
125 10.7 7.7 11.5

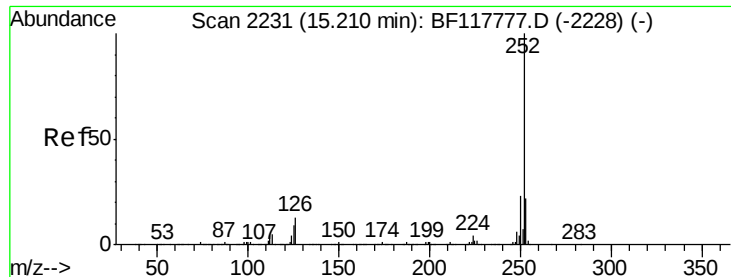


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

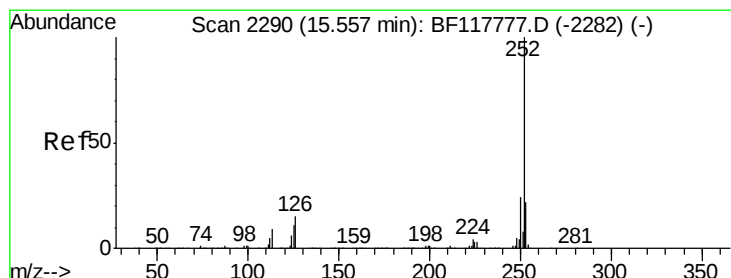
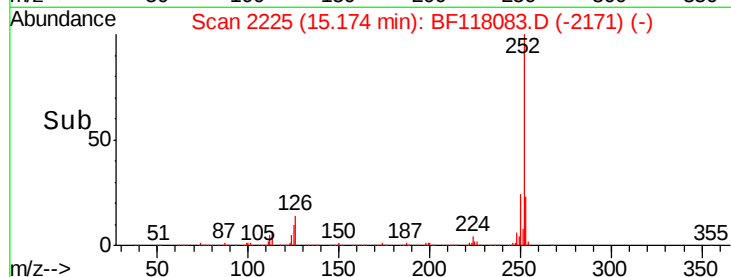
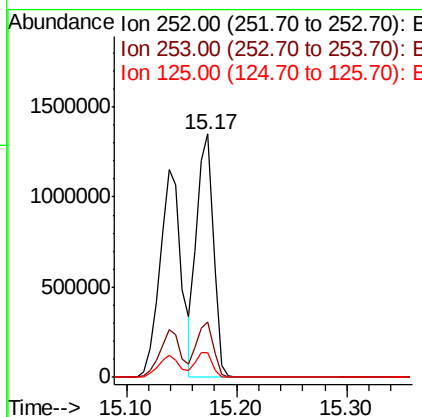
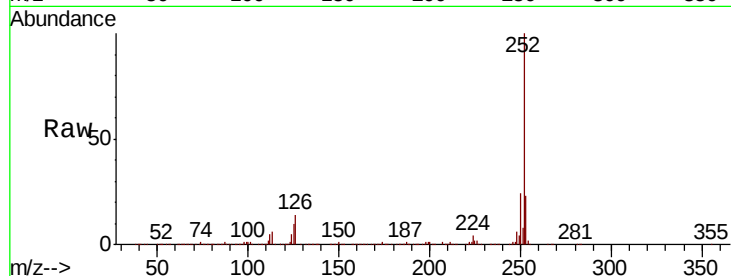




#89  
Benzo(k)fluoranthene  
Concen: 46.676 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.02 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

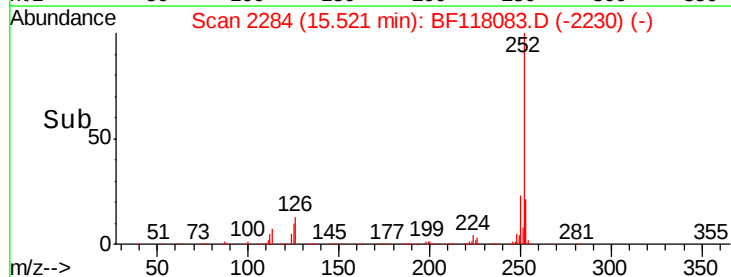
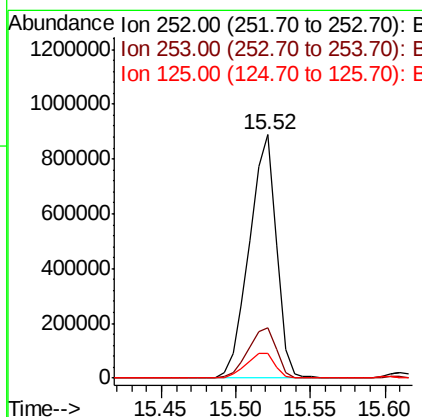
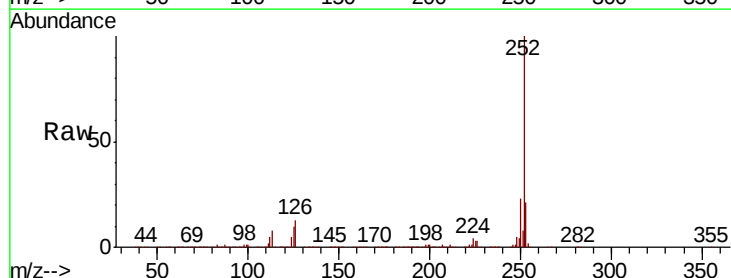
Instrument :  
BNA\_F  
ClientSampleId :

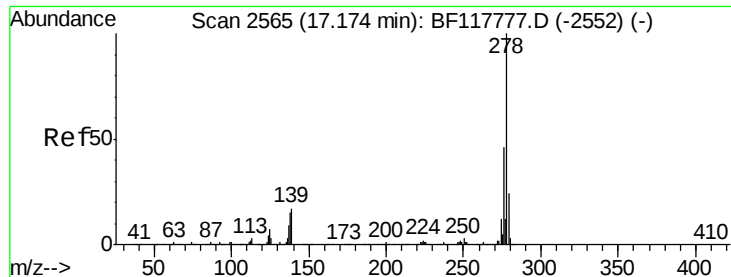
Tot Ion:252 Resp: 1391012  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.3 25.9  
125 10.0 8.5 12.7



#90  
Benzo(a)pyrene  
Concen: 40.194 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. 0.02 min  
Lab File: BF118083.D  
Acq: 4 Dec 2019 13:09

Tgt Ion:252 Resp: 1117893  
Ion Ratio Lower Upper  
252 100  
253 20.7 17.1 25.7  
125 10.3 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 44.587 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.03 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

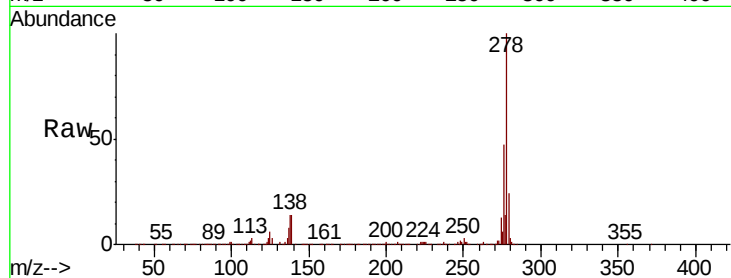
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 1067353

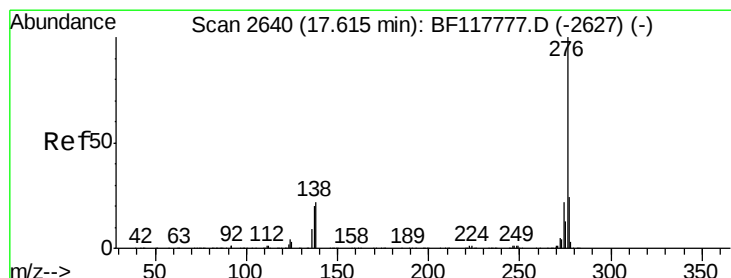
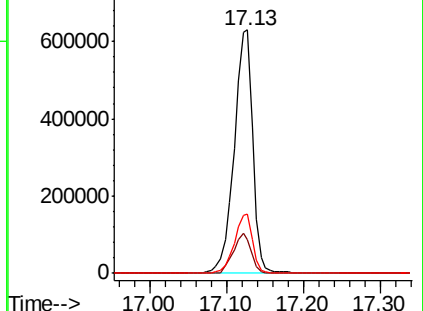
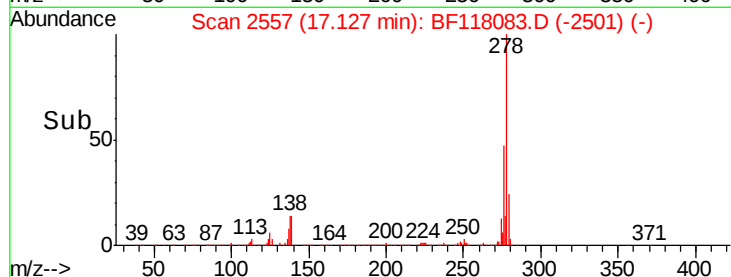
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.0  | 12.2  | 18.4  |
| 279 | 24.1  | 19.0  | 28.6  |



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: 34.815 ng

RT: 17.57 min Scan# 2632

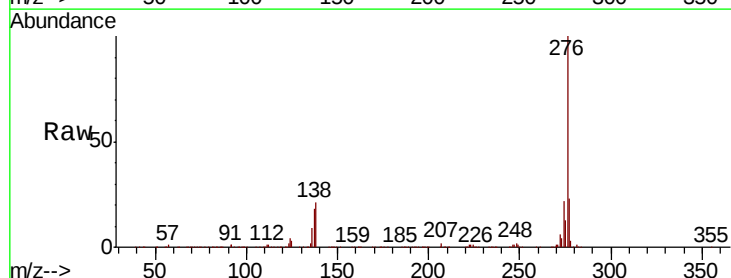
Delta R.T. 0.03 min

Lab File: BF118083.D

Acq: 4 Dec 2019 13:09

Tgt Ion:276 Resp: 830104

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.4  | 19.0  | 28.4  |
| 138 | 21.3  | 16.6  | 25.0  |



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

