

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\  
 Data File : BF118961.D  
 Acq On : 20 Feb 2020 15:24  
 Operator : CG/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 20 16:05:16 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 15:19:38 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 166603   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 586931   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.80  | 164  | 315456   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.27 | 188  | 580727   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.92 | 240  | 413094   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 374575   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.38  | 112  | 1189254  | 135.95 | ng    | 0.00     |
| 7) Phenol-d6                | 6.41  | 99   | 1435070  | 129.77 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 1330547  | 126.09 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.59 | 330  | 495711   | 126.85 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.12  | 172  | 2426458  | 124.25 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.86 | 244  | 2774425  | 132.18 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.45 | 88   | 272982   | 69.636 | ng    | 99     |
| 3) Pyridine                    | 3.18 | 79   | 750860   | 69.368 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 3.13 | 42   | 230263   | 69.076 | ng    | 96     |
| 6) Aniline                     | 6.43 | 93   | 882870   | 61.048 | ng    | # 76   |
| 8) 2-Chlorophenol              | 6.55 | 128  | 640575   | 60.591 | ng    | 96     |
| 9) Benzaldehyde                | 6.31 | 77   | 483909   | 73.275 | ng    | 98     |
| 10) Phenol                     | 6.42 | 94   | 772162   | 61.076 | ng    | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93   | 601833   | 60.619 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146  | 766215   | 60.416 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146  | 769717   | 60.536 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.93 | 146  | 696959   | 59.688 | ng    | 98     |
| 15) Benzyl Alcohol             | 6.91 | 79   | 523905   | 60.739 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45   | 520255   | 58.115 | ng    | 99     |
| 17) 2-Methylphenol             | 7.03 | 107  | 520924   | 60.152 | ng    | 95     |
| 18) Hexachloroethane           | 7.27 | 117  | 277931   | 60.844 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70   | 412465   | 58.460 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.18 | 107  | 591938   | 58.570 | ng    | 95     |
| 22) Acetophenone               | 7.18 | 105  | 799208   | 62.568 | ng    | 98     |
| 24) Nitrobenzene               | 7.35 | 77   | 666181   | 62.342 | ng    | 99     |
| 25) Isophorone                 | 7.59 | 82   | 1155809  | 61.168 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.66 | 139  | 358818   | 62.876 | ng    | 98     |
| 27) 2,4-Dimethylphenol         | 7.70 | 122  | 482019   | 63.112 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93   | 748028   | 60.515 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.91 | 162  | 560893   | 61.580 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.99 | 180  | 658897   | 61.659 | ng    | 99     |
| 31) Naphthalene                | 8.07 | 128  | 1803211  | 60.625 | ng    | 99     |
| 32) Benzoic acid               | 7.86 | 122  | 352214   | 63.839 | ng    | 96     |
| 33) 4-Chloroaniline            | 8.12 | 127  | 787445   | 61.837 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.19 | 225  | 414461   | 62.690 | ng    | 99     |
| 35) Caprolactam                | 8.50 | 113  | 146597   | 53.196 | ng    | 97     |
| 36) 4-Chloro-3-methylphenol    | 8.60 | 107  | 567329   | 62.332 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 8.76 | 142  | 1208096  | 60.888 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.86 | 142  | 1137400  | 61.130 | ng    | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216  | 636952   | 62.938 | ng    | 100    |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 15:19:38 2020  
 Response via : Initial Calibration

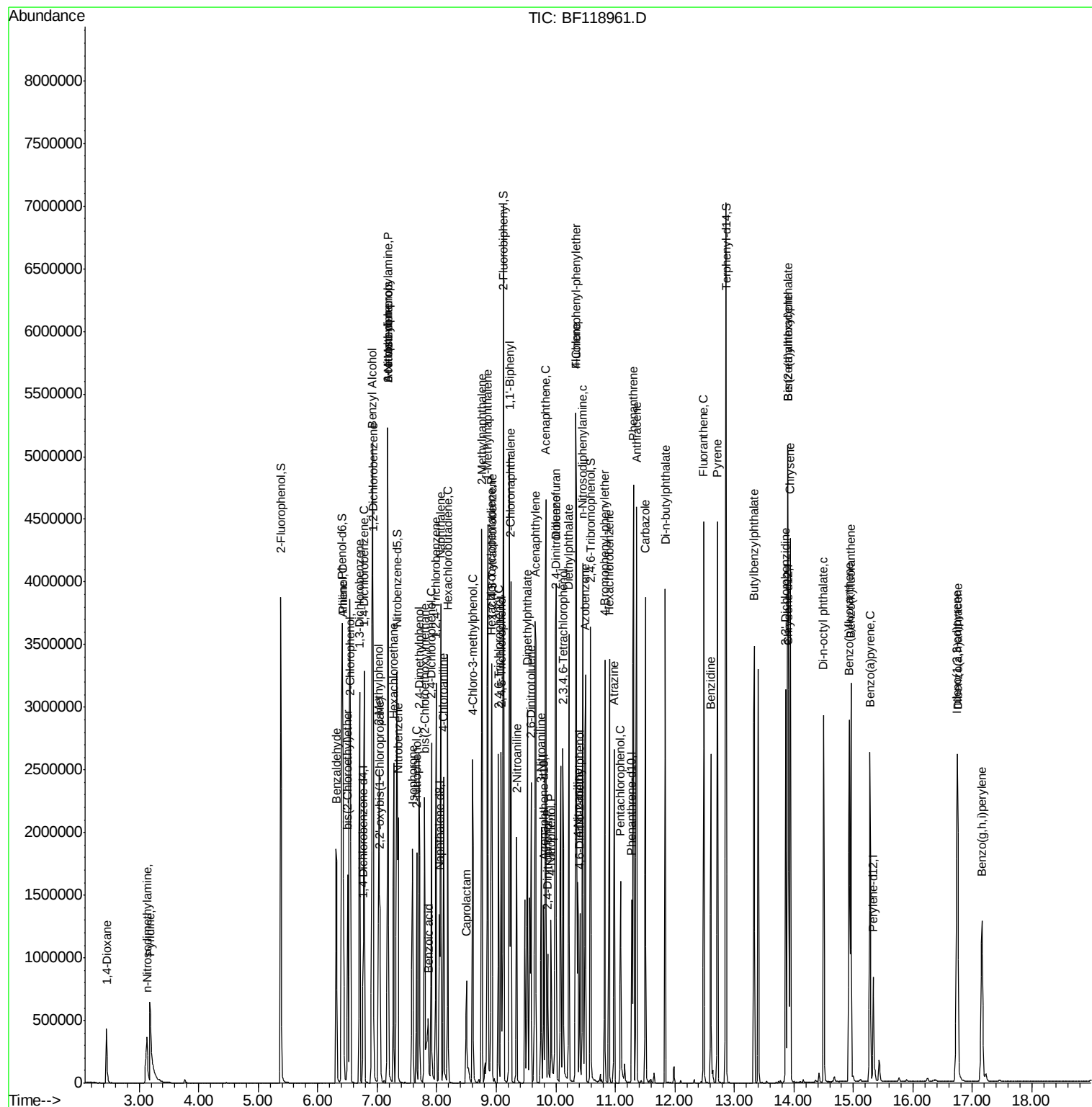
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.92  | 237  | 223307   | 73.536 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol      | 9.04  | 196  | 410604   | 61.480 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.08  | 196  | 429437   | 62.016 | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.22  | 154  | 1502996  | 61.975 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.25  | 162  | 1224113  | 60.820 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.34  | 65   | 355191   | 63.071 | ng    | 96       |
| 49) Acenaphthylene             | 9.66  | 152  | 1777272  | 61.845 | ng    | 100      |
| 50) Dimethylphthalate          | 9.53  | 163  | 1446273  | 60.725 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.59  | 165  | 324741   | 61.046 | ng    | 97       |
| 52) Acenaphthene               | 9.83  | 154  | 1065394  | 60.902 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.76  | 138  | 361263   | 61.707 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.86  | 184  | 152969   | 64.651 | ng    | # 91     |
| 55) Dibenzofuran               | 10.00 | 168  | 1577446  | 60.409 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.92  | 139  | 225927   | 62.644 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 424713   | 61.719 | ng    | 97       |
| 58) Fluorene                   | 10.35 | 166  | 1215500  | 60.061 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.12 | 232  | 362918   | 60.980 | ng    | 99       |
| 60) Diethylphthalate           | 10.22 | 149  | 1357993  | 60.484 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.33 | 204  | 645553   | 59.947 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.37 | 138  | 373147   | 61.911 | ng    | 98       |
| 63) Azobenzene                 | 10.50 | 77   | 1182943  | 59.910 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.40 | 198  | 227703   | 63.623 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.46 | 169  | 1116701  | 60.719 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.82 | 248  | 453530   | 60.833 | ng    | 97       |
| 68) Hexachlorobenzene          | 10.90 | 284  | 519948   | 60.919 | ng    | 95       |
| 69) Atrazine                   | 10.98 | 200  | 393415   | 63.910 | ng    | 100      |
| 70) Pentachlorophenol          | 11.09 | 266  | 227104   | 62.152 | ng    | 99       |
| 71) Phenanthrene               | 11.30 | 178  | 1860314  | 61.005 | ng    | 98       |
| 72) Anthracene                 | 11.36 | 178  | 1841697  | 60.363 | ng    | 100      |
| 73) Carbazole                  | 11.51 | 167  | 1654549  | 60.502 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.84 | 149  | 2025084  | 58.364 | ng    | 99       |
| 75) Fluoranthene               | 12.49 | 202  | 1977481  | 58.214 | ng    | 99       |
| 77) Benzidine                  | 12.60 | 184  | 1025782  | 77.561 | ng    | 96       |
| 78) Pyrene                     | 12.72 | 202  | 1993022  | 66.855 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.33 | 149  | 856886   | 65.594 | ng    | 96       |
| 81) Benzo(a)anthracene         | 13.90 | 228  | 1657839  | 65.490 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.86 | 252  | 653490   | 66.343 | ng    | 99       |
| 83) Chrysene                   | 13.94 | 228  | 1672600  | 65.907 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 1035833  | 62.575 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.50 | 149  | 1652621  | 61.925 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.74 | 276  | 1433999  | 57.414 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 14.93 | 252  | 1617632  | 64.062 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.96 | 252  | 1433912  | 63.901 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.28 | 252  | 1376272  | 63.261 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.75 | 278  | 1164727  | 59.071 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.16 | 276  | 1154552  | 59.347 | ng    | 98       |

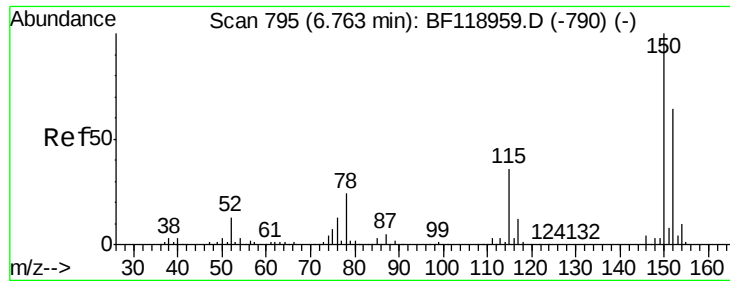
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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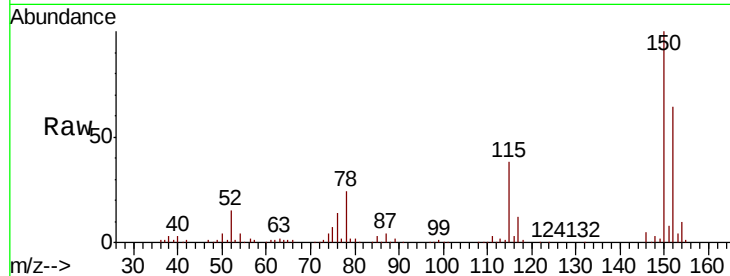


#1

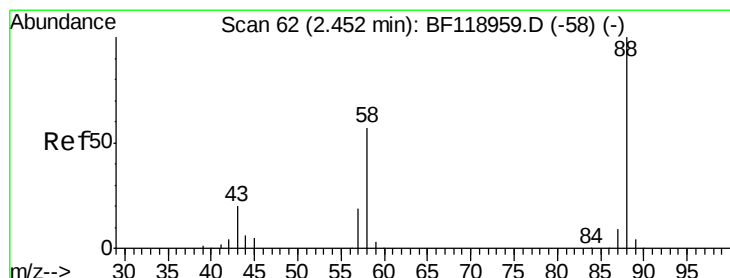
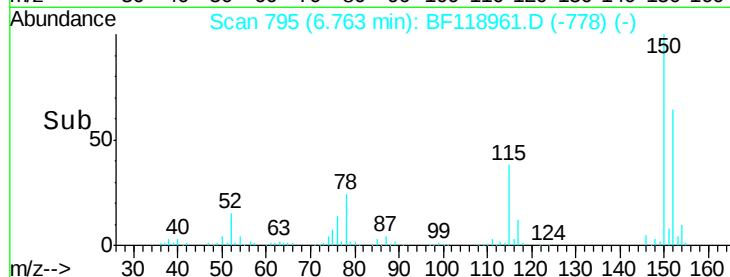
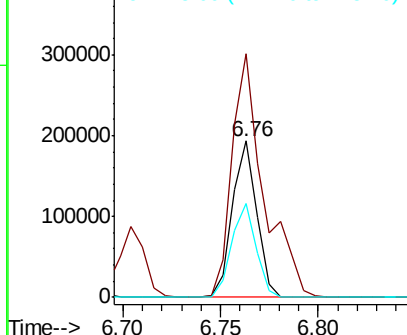
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 124.3 | 186.5 |
| 115     | 59.9  | 44.6  | 67.0  |



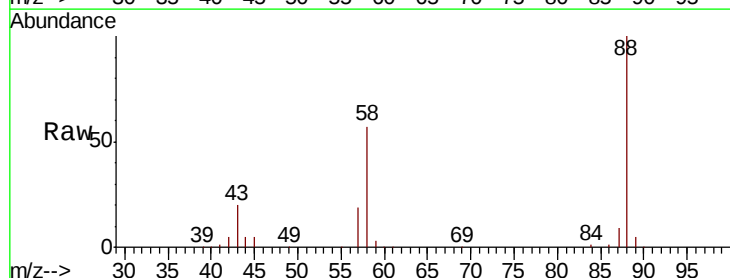
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



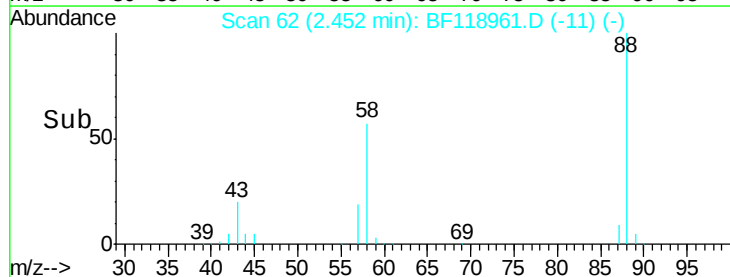
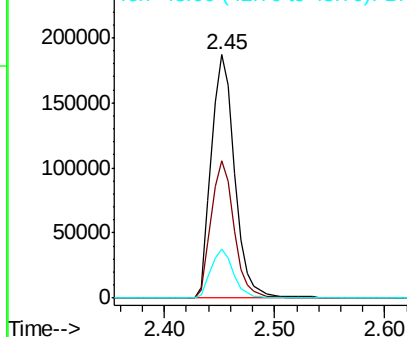
#2

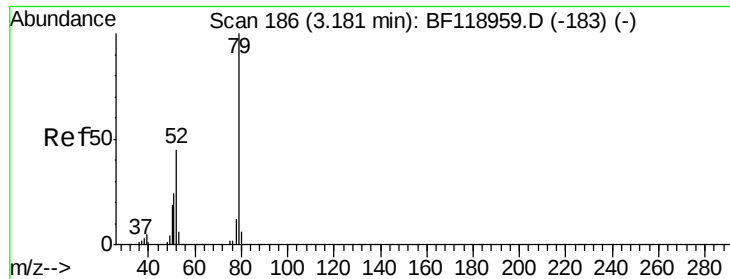
1,4-Dioxane  
Concen: 69.636 ng  
RT: 2.45 min Scan# 62  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 55.4  | 44.6  | 66.8  |
| 43      | 19.5  | 16.0  | 24.0  |



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: 69.368 ng

RT: 3.18 min Scan# 186

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

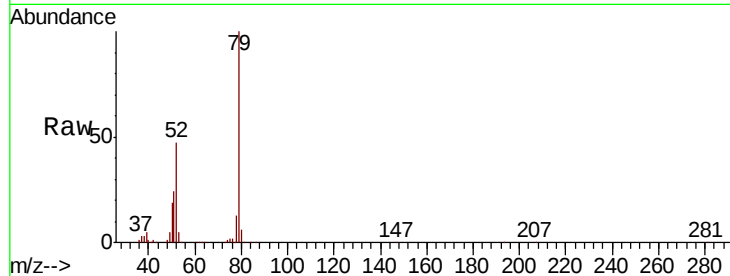
Tot Ion: 79 Resp: 750860

Ion Ratio Lower Upper

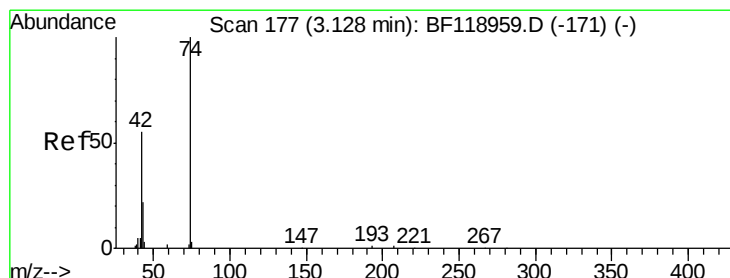
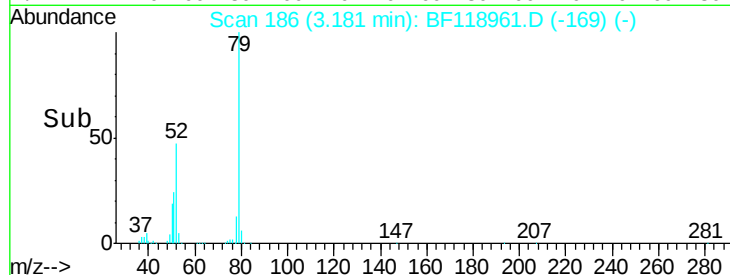
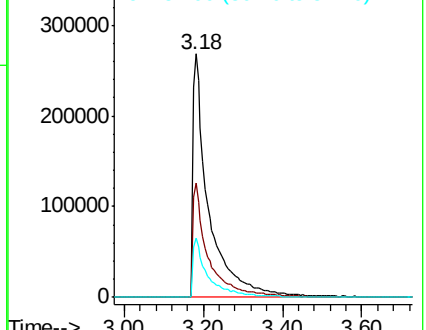
79 100

52 47.0 36.3 54.5

51 24.4 19.5 29.3



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



#4

n-Nitrosodimethylamine

Concen: 69.076 ng

RT: 3.13 min Scan# 178

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

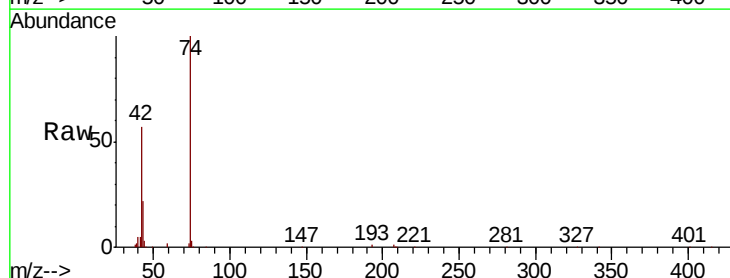
Tgt Ion: 42 Resp: 230263

Ion Ratio Lower Upper

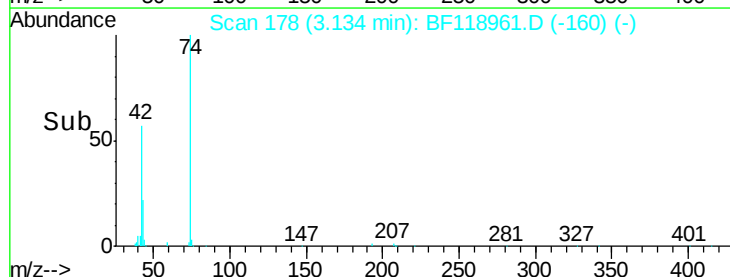
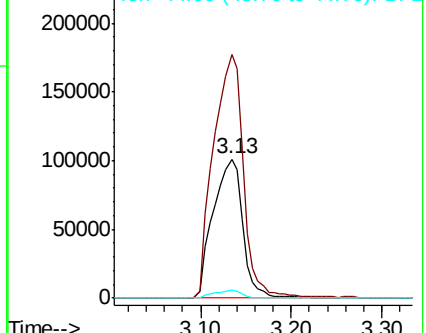
42 100

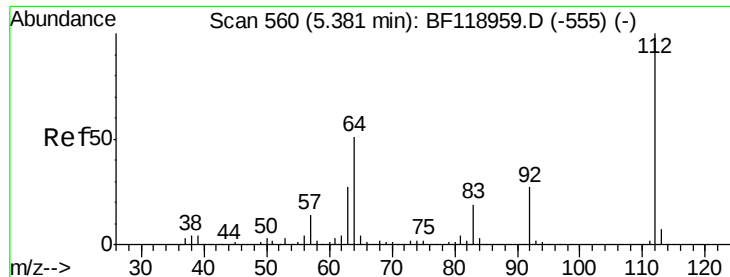
74 175.0 144.4 216.6

44 5.7 4.5 6.7



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 135.947 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

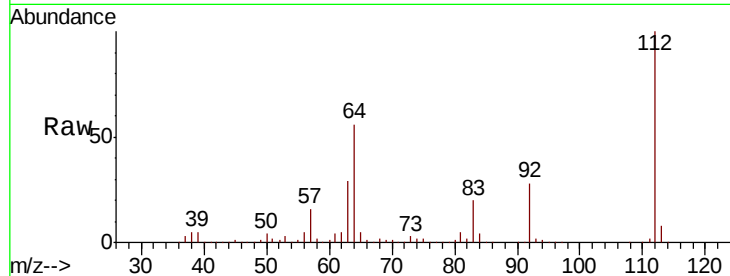
Tot Ion:112 Resp: 1189254

Ion Ratio Lower Upper

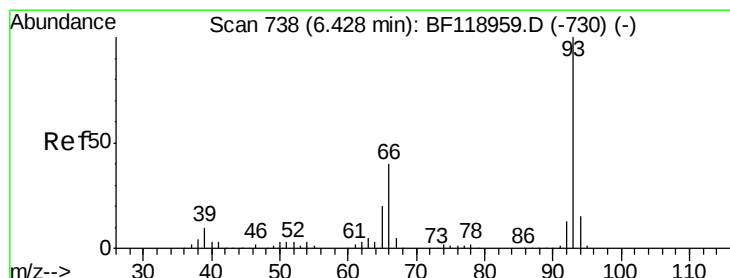
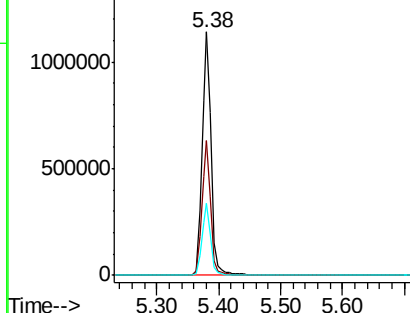
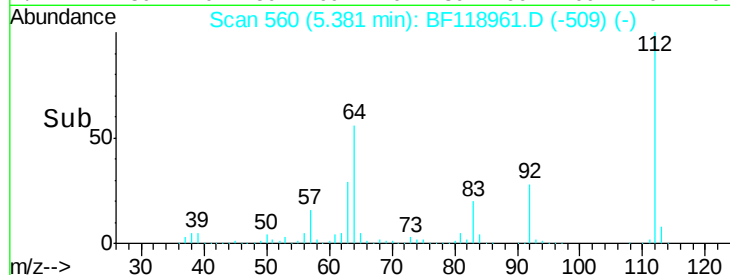
112 100

64 55.5 40.4 60.6

63 29.5 21.3 31.9



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



#6

Aniline

Concen: 61.048 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

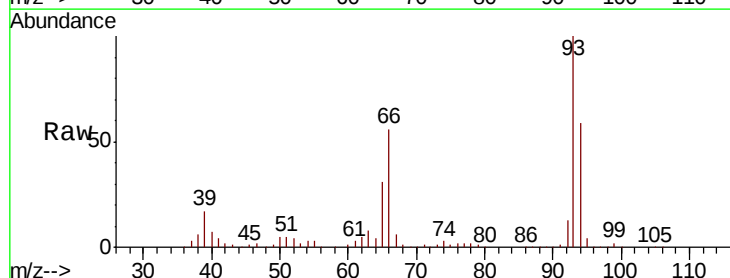
Tgt Ion: 93 Resp: 882870

Ion Ratio Lower Upper

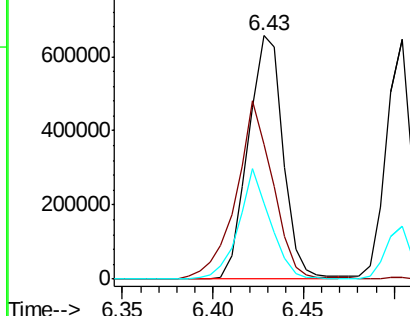
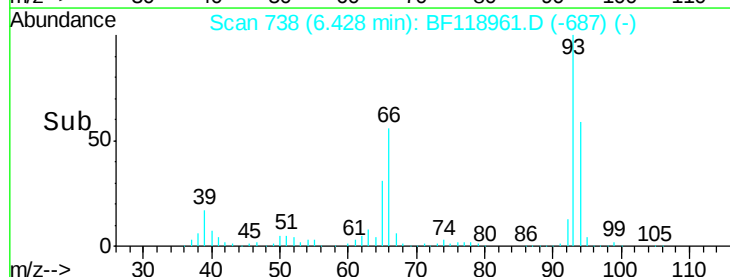
93 100

66 55.5 32.2 48.2#

65 31.0 16.1 24.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 129.770 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampled :

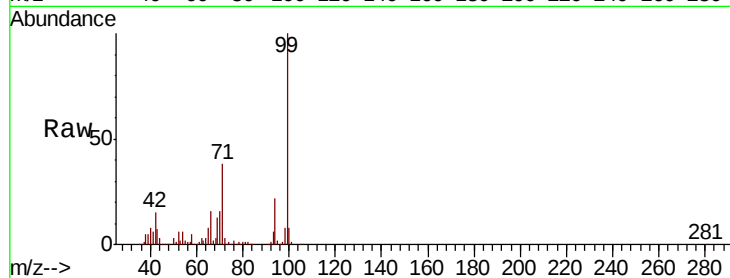
Tot Ion: 99 Resp: 1435070

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

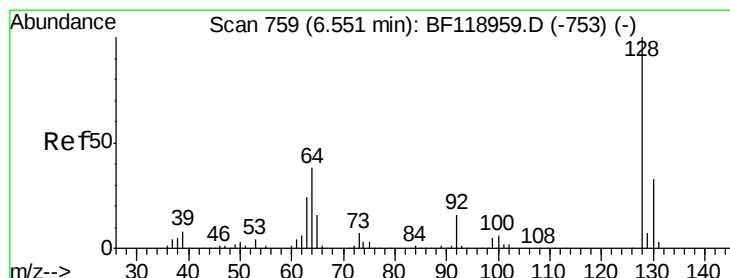
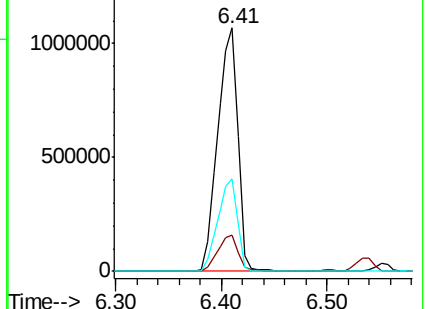
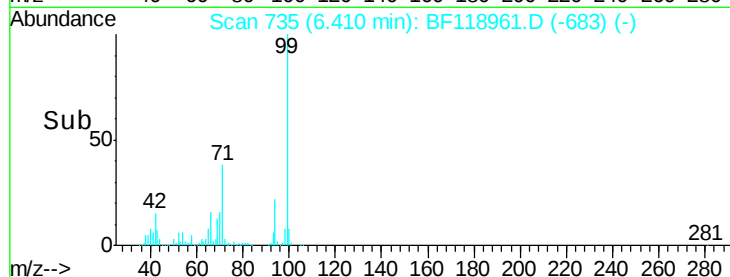
71 38.2 29.8 44.6



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: 60.591 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

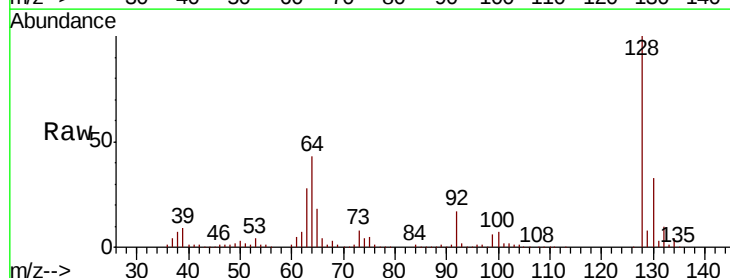
Tgt Ion: 128 Resp: 640575

Ion Ratio Lower Upper

128 100

130 33.2 12.7 52.7

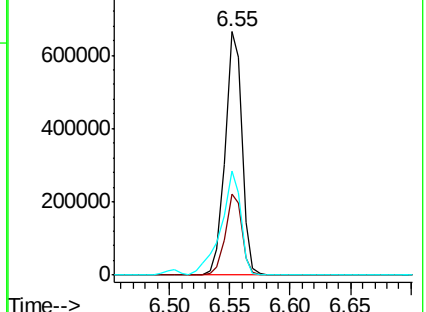
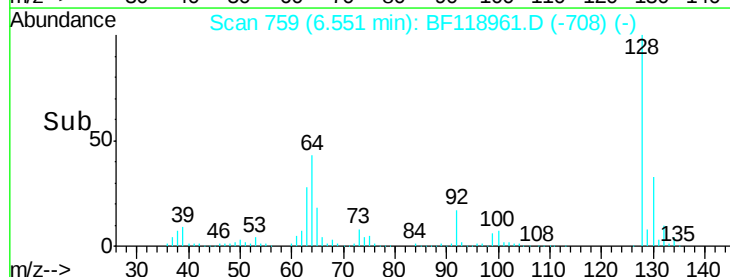
64 42.8 18.7 58.7



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: 73.275 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

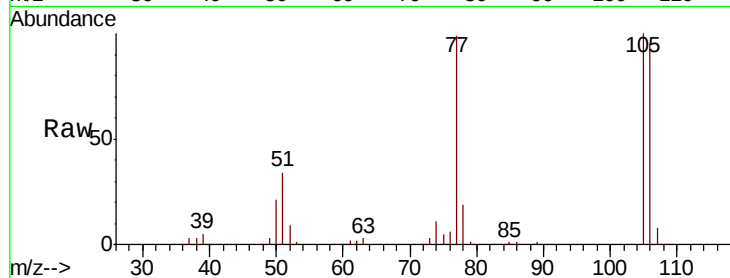
Tot Ion: 77 Resp: 483909

Ion Ratio Lower Upper

77 100

105 101.1 83.0 123.0

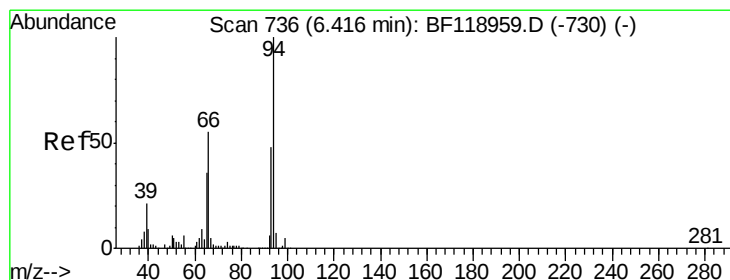
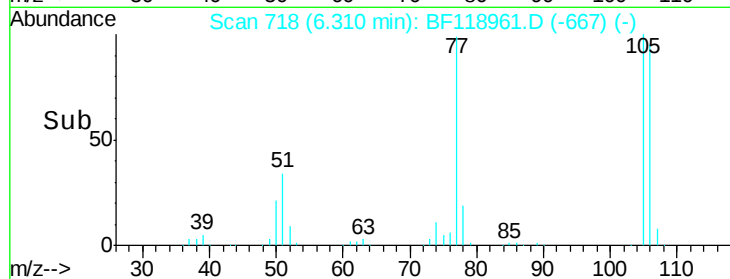
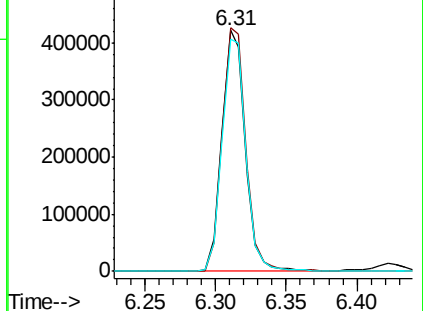
106 96.6 78.3 118.3



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: 61.076 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

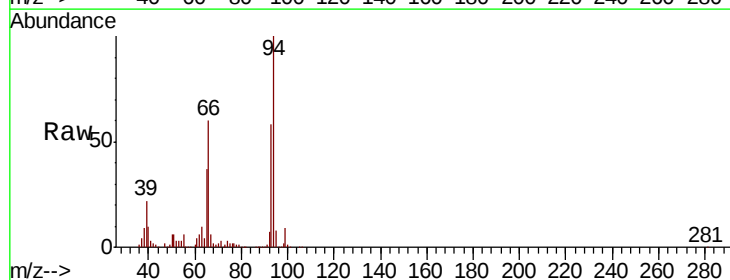
Tgt Ion: 94 Resp: 772162

Ion Ratio Lower Upper

94 100

65 37.1 15.5 55.5

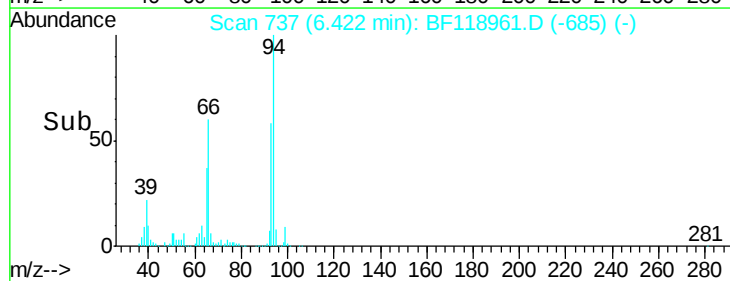
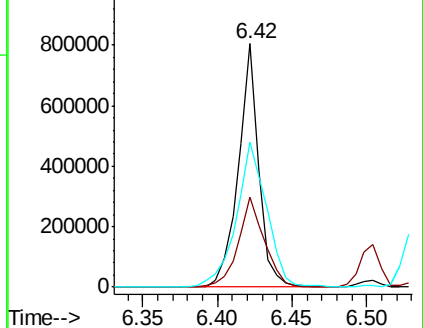
66 59.7 35.6 75.6

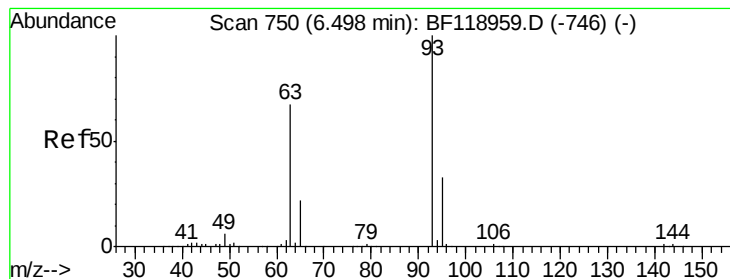


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



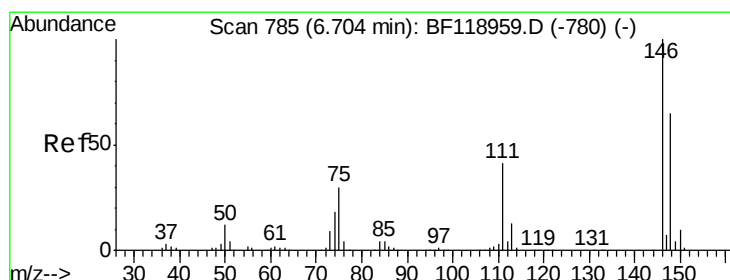
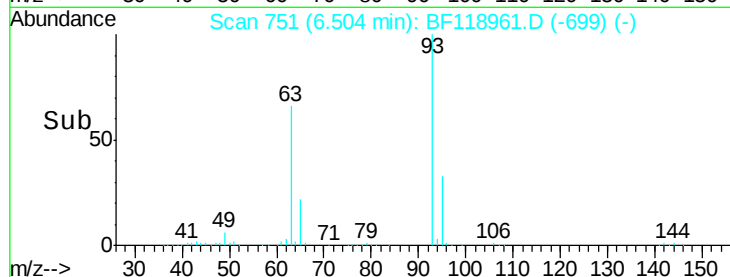
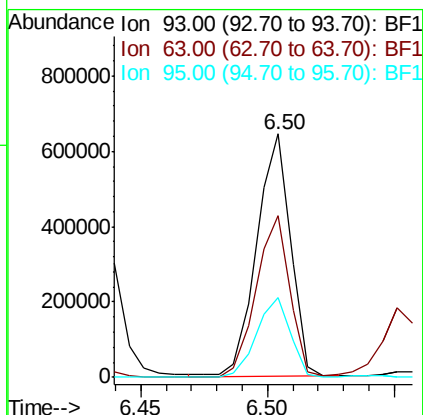
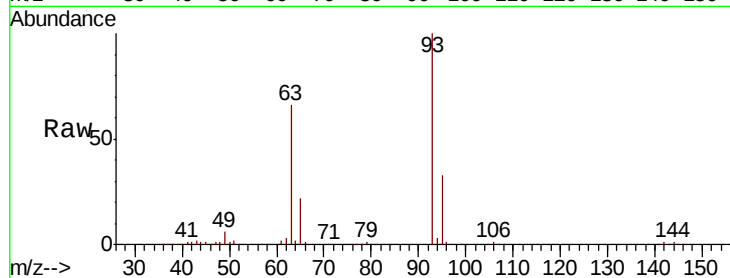


#11

bis(2-Chloroethyl)ether  
Concen: 60.619 ng  
RT: 6.50 min Scan# 751  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

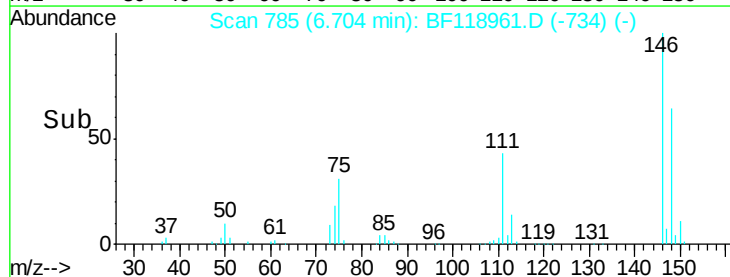
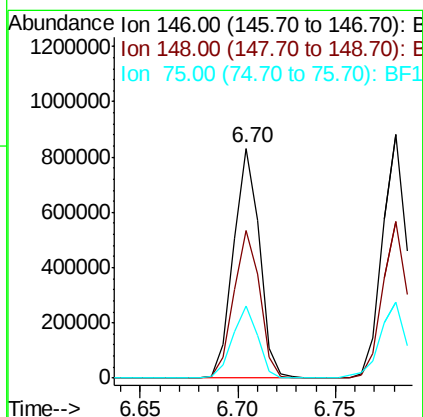
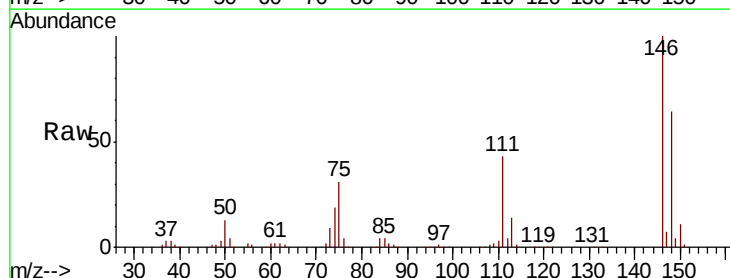
| Tot Ion   | 93    | Resp  | 601833 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 66.2  | 46.8  | 86.8   |
| 95        | 32.8  | 12.7  | 52.7   |

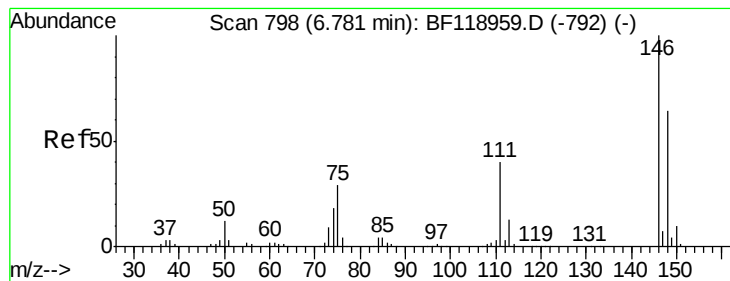


#12

1,3-Dichlorobenzene  
Concen: 60.416 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

| Tgt Ion   | 146   | Resp  | 766215 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.7  | 77.5   |
| 75        | 31.2  | 23.6  | 35.4   |





#13

1,4-Dichlorobenzene

Concen: 60.536 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampled :

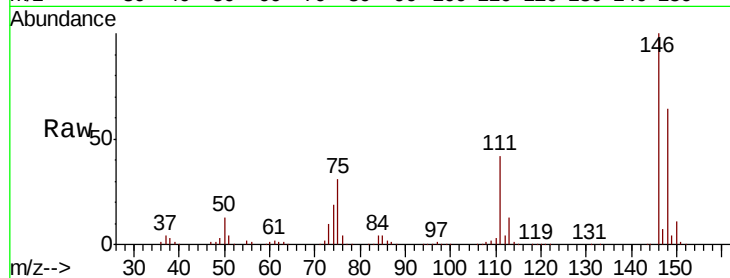
Tot Ion:146 Resp: 769717

Ion Ratio Lower Upper

146 100

148 64.4 51.4 77.2

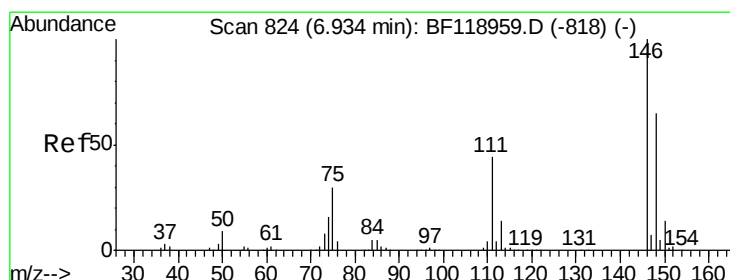
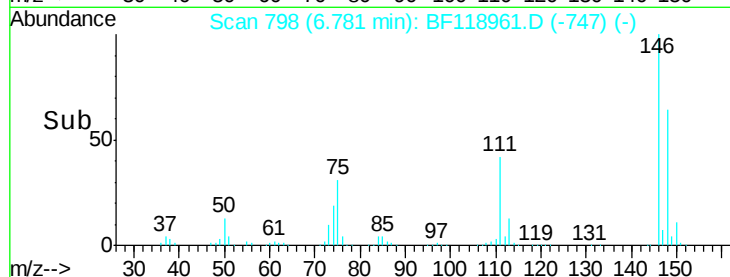
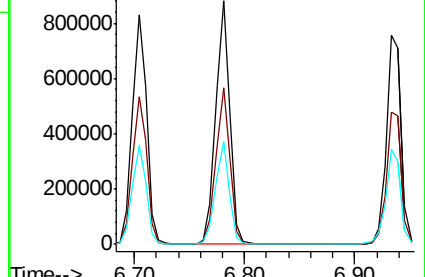
111 42.0 31.9 47.9



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: 59.688 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

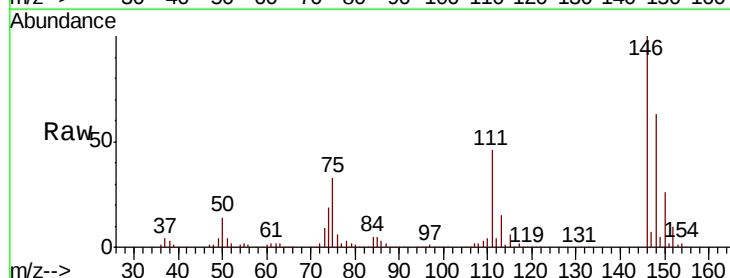
Tgt Ion:146 Resp: 696959

Ion Ratio Lower Upper

146 100

148 63.3 52.1 78.1

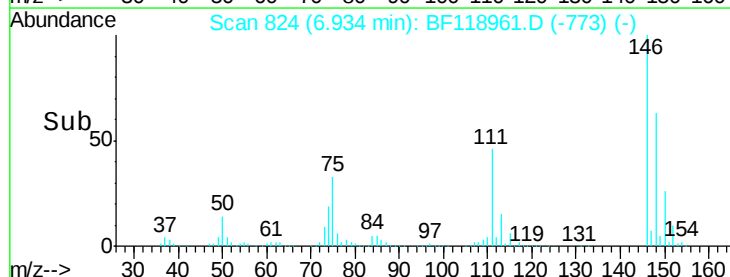
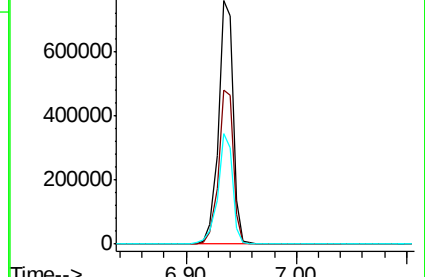
111 45.5 35.5 53.3

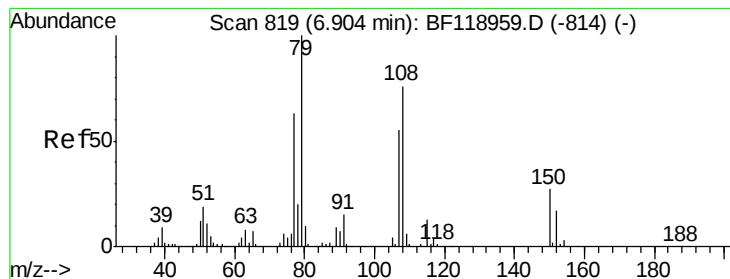


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 60.739 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

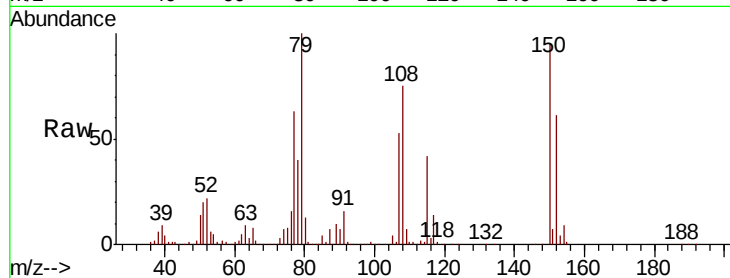
Tot Ion: 79 Resp: 523905

Ion Ratio Lower Upper

79 100

108 75.1 61.1 91.7

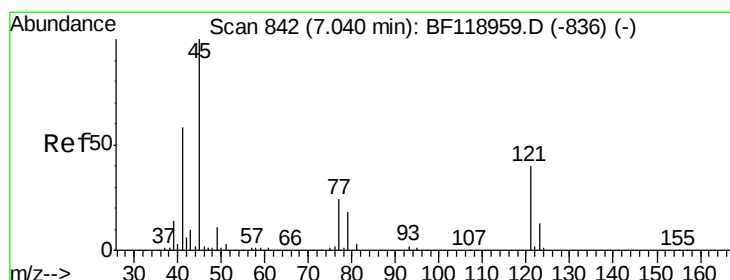
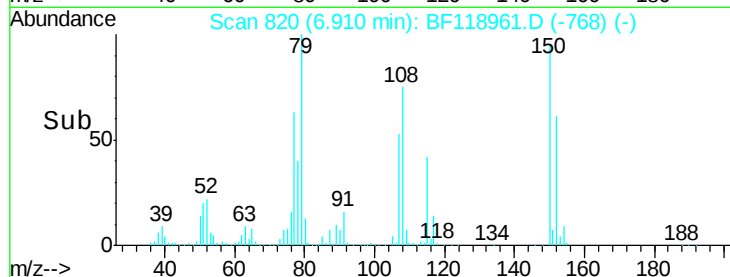
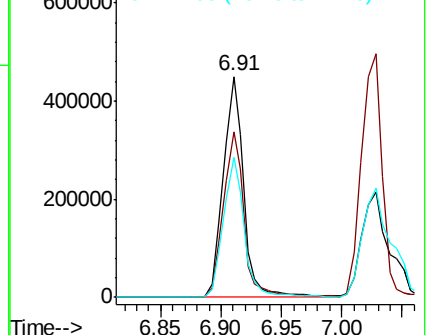
77 63.5 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 58.115 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

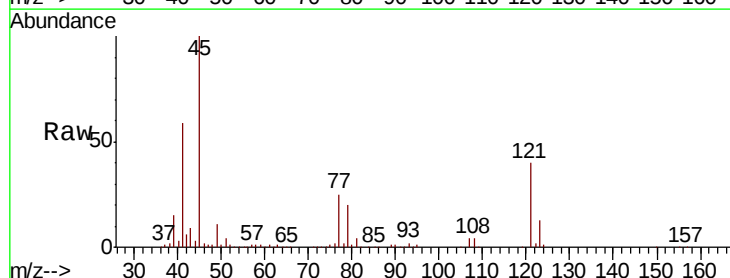
Tgt Ion: 45 Resp: 520255

Ion Ratio Lower Upper

45 100

77 25.4 6.1 46.1

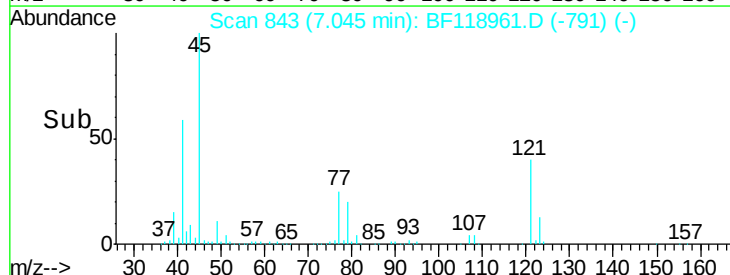
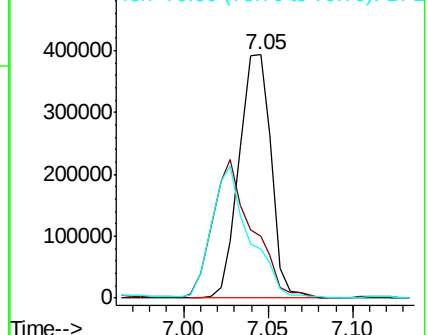
79 20.3 0.5 40.5

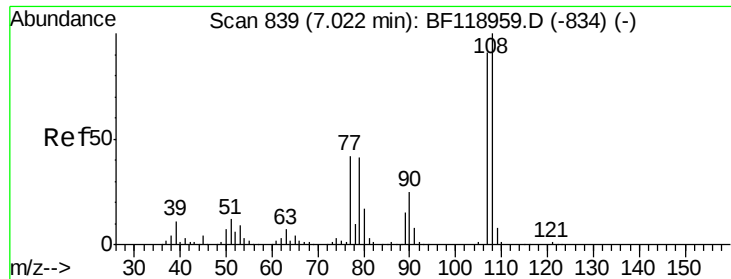


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

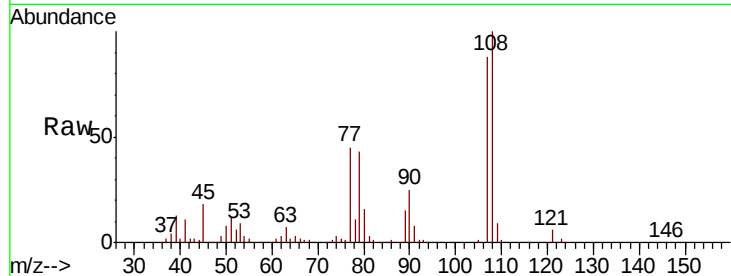




#17  
2-Methylphenol  
Concen: 60.152 ng  
RT: 7.03 min Scan# 840  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.3 | 87.7  | 131.5 |
| 77      | 51.0  | 36.8  | 55.2  |
| 79      | 49.0  | 36.4  | 54.6  |



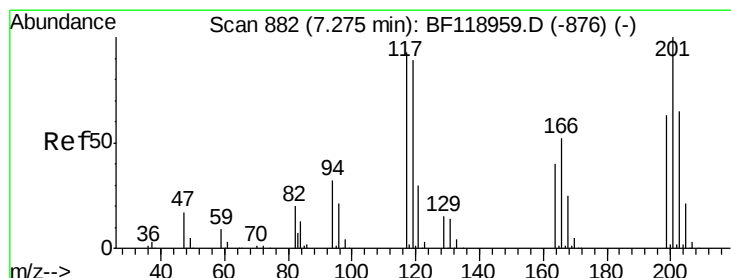
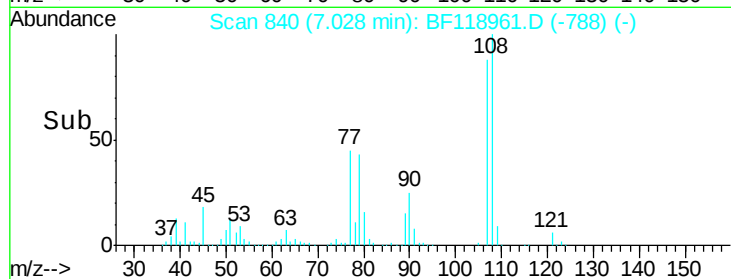
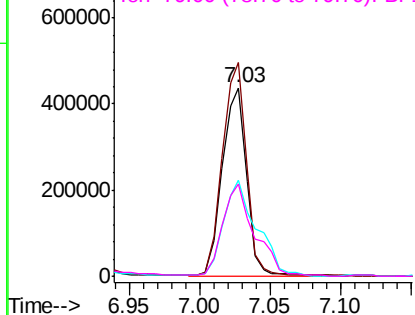
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

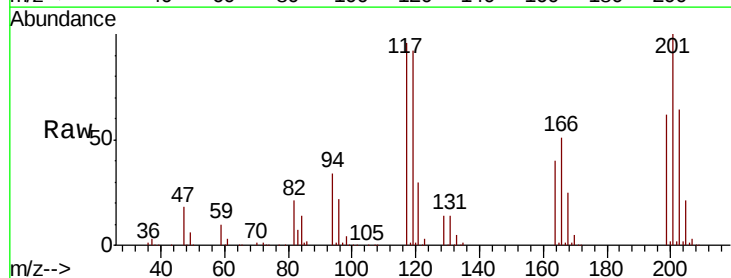
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 60.844 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 77.0  | 115.6 |
| 201     | 104.0 | 86.4  | 129.6 |

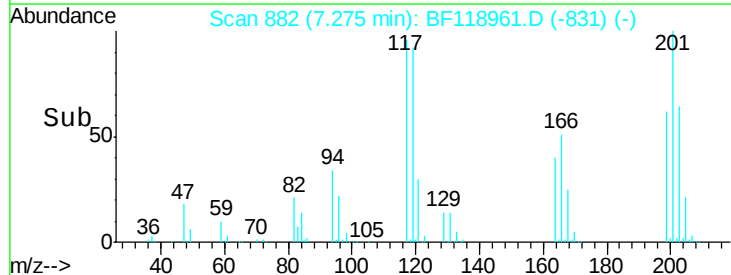
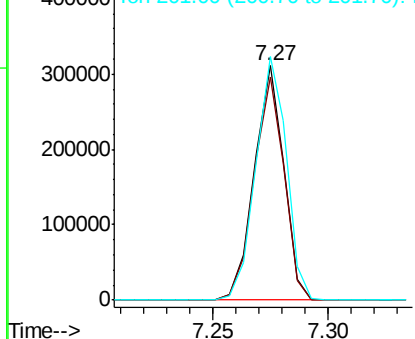


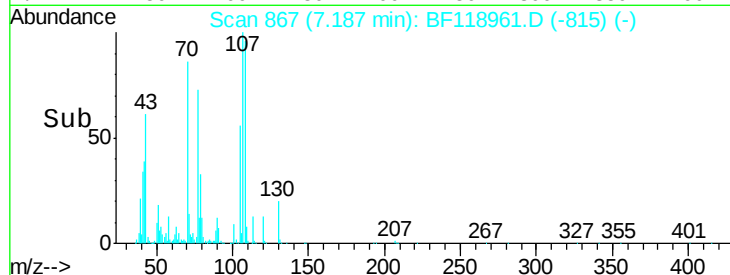
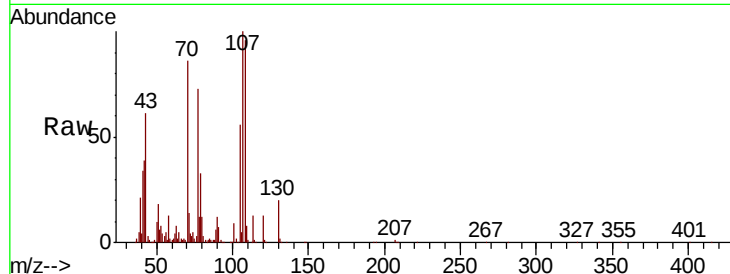
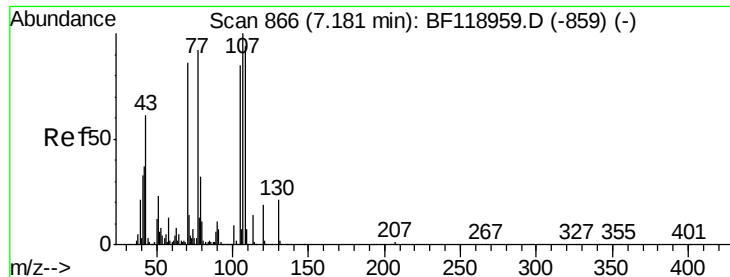
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

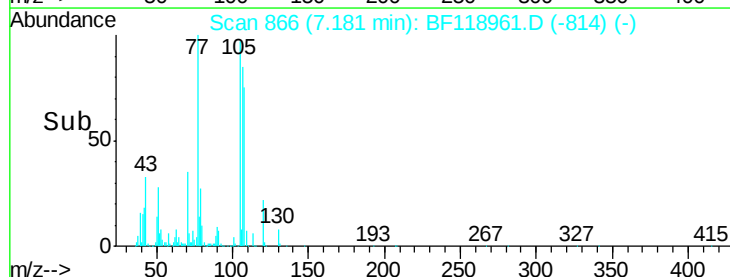
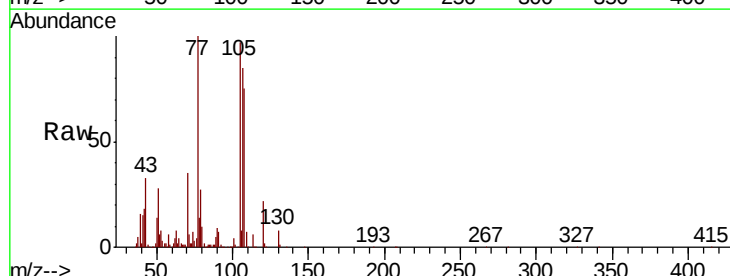
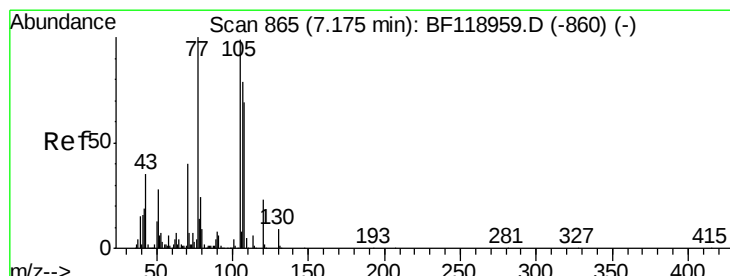
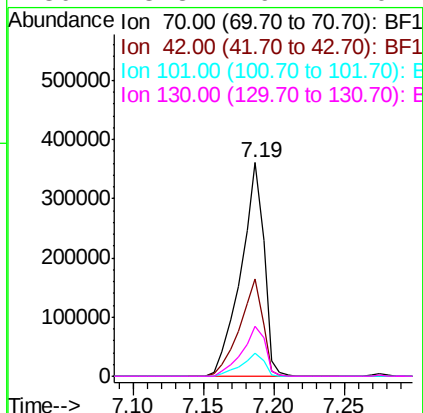




#19  
n-Nitroso-di-n-propylamine  
Concen: 58.460 ng  
RT: 7.19 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

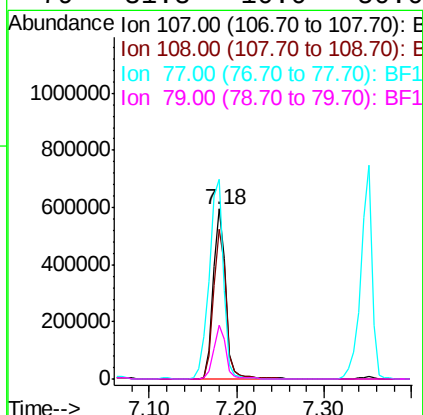
Instrument :  
BNA\_F  
ClientSampleId :

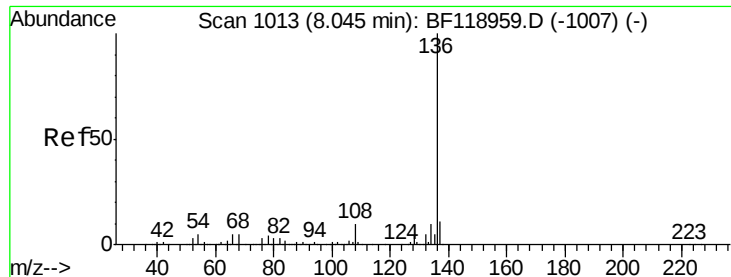
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 45.4  | 34.6  | 51.8  |
| 101     | 10.6  | 8.1   | 12.1  |
| 130     | 23.3  | 19.4  | 29.2  |



#20  
3+4-Methylphenols  
Concen: 58.570 ng  
RT: 7.18 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.3  | 67.0  | 107.0 |
| 77      | 117.9 | 106.2 | 146.2 |
| 79      | 31.8  | 10.0  | 50.0  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 586931

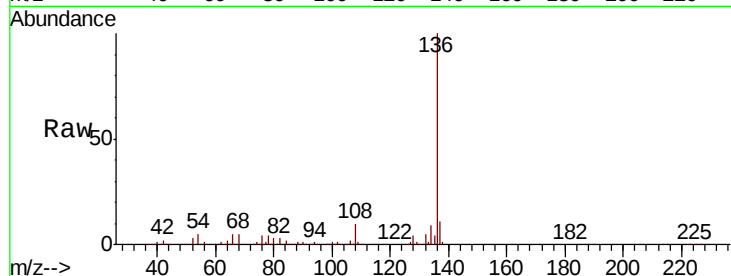
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 4.5 3.8 5.6

68 5.0 4.2 6.2

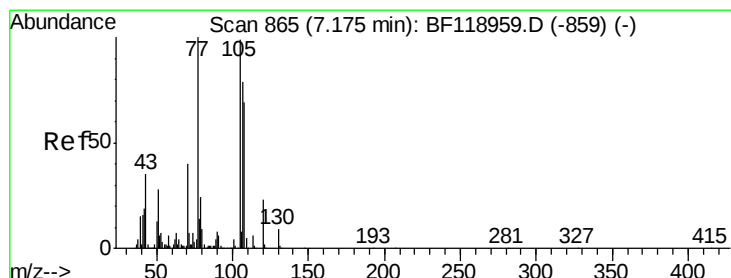
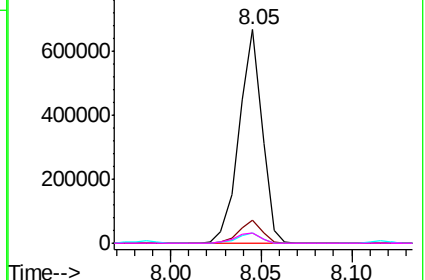
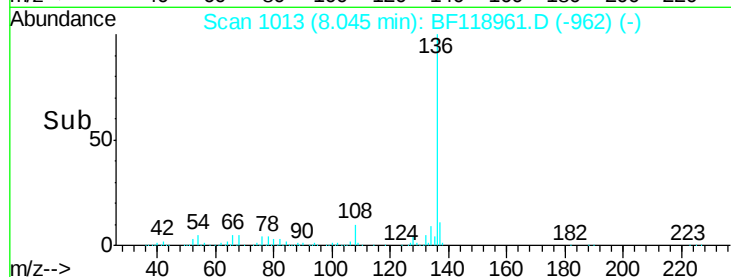


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 62.568 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:105 Resp: 799208

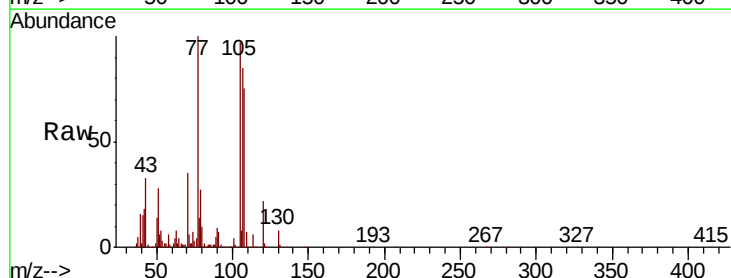
Ion Ratio Lower Upper

105 100

71 6.2 5.4 8.0

51 29.4 22.5 33.7

120 22.8 18.4 27.6

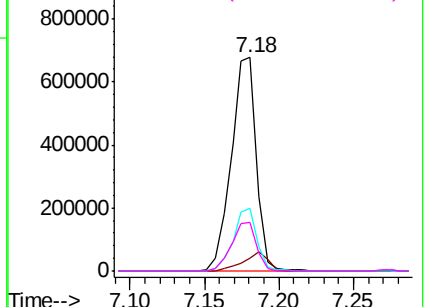
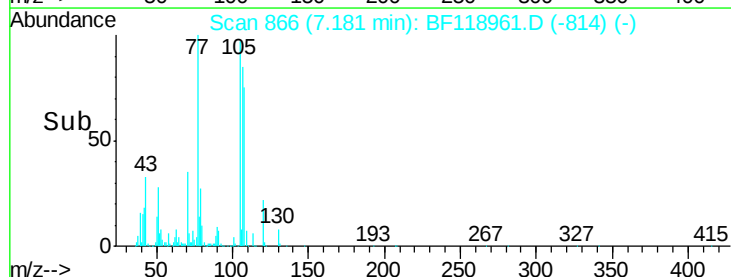


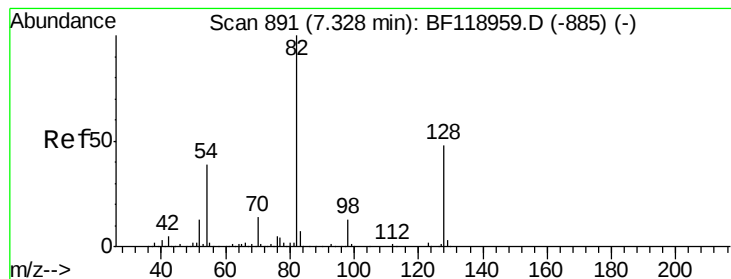
Abundance Ion 105.00 (104.70 to 105.70): E

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: 126.086 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

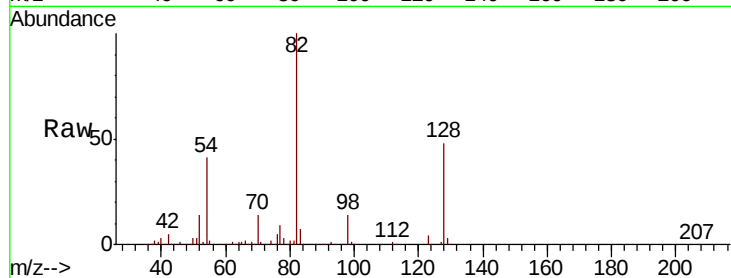
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 82 Resp: 1330547

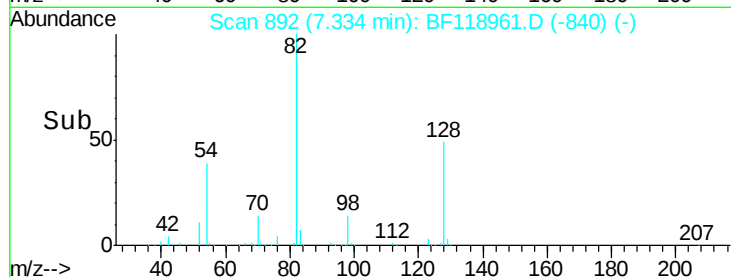
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.5  | 38.2  | 57.2  |
| 54  | 40.5  | 31.3  | 46.9  |



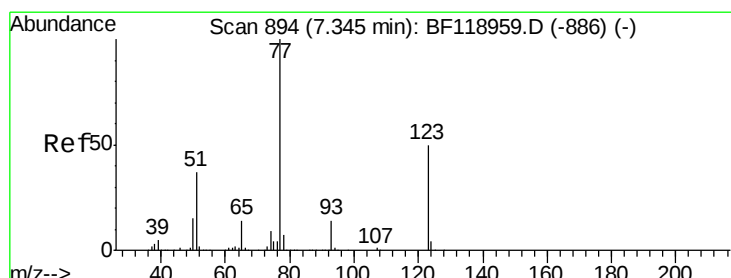
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#24

Nitrobenzene

Concen: 62.342 ng

RT: 7.35 min Scan# 895

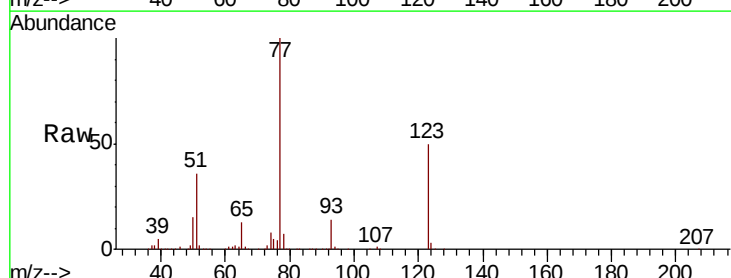
Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion: 77 Resp: 666181

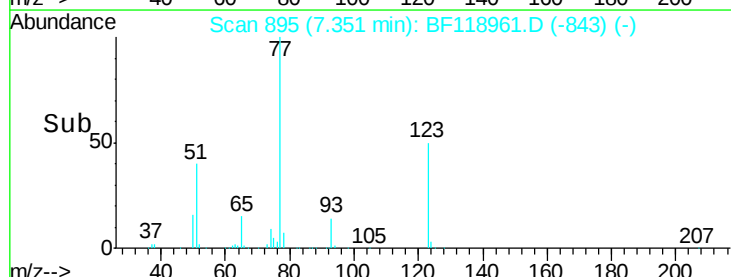
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 50.4  | 40.1  | 60.1  |
| 65  | 13.0  | 10.9  | 16.3  |



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



Time-->



#25

Isophorone

Concen: 61.168 ng

RT: 7.59 min Scan# 936

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

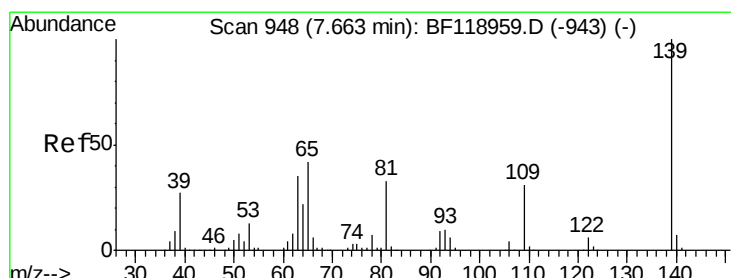
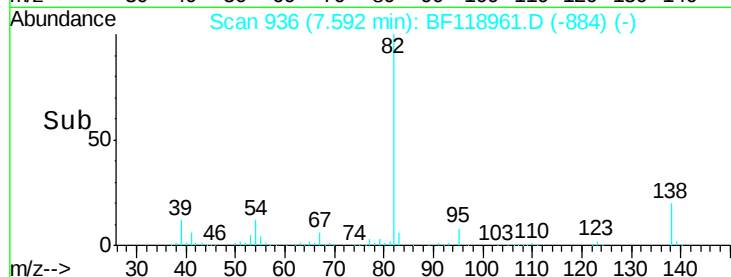
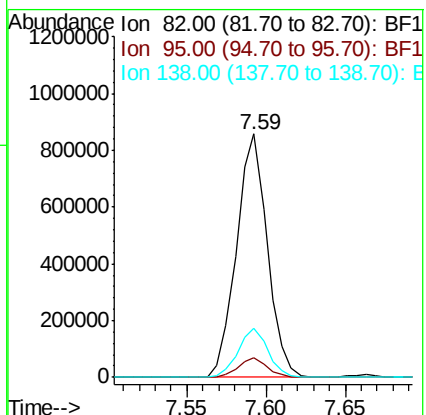
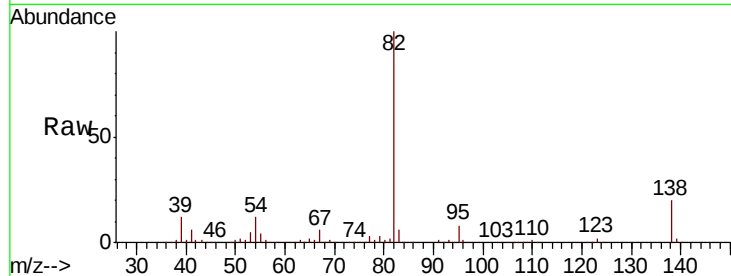
Tot Ion: 82 Resp: 1155809

Ion Ratio Lower Upper

82 100

95 7.8 6.1 9.1

138 20.3 15.8 23.6



#26

2-Nitrophenol

Concen: 62.876 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

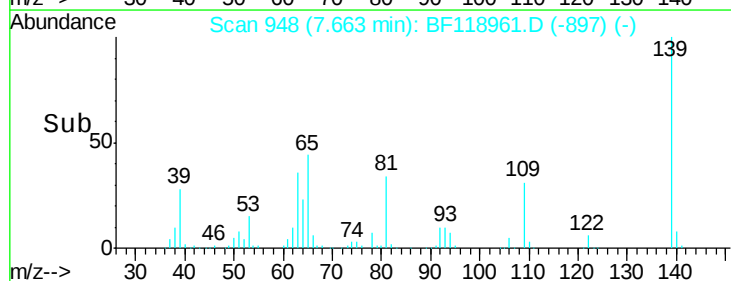
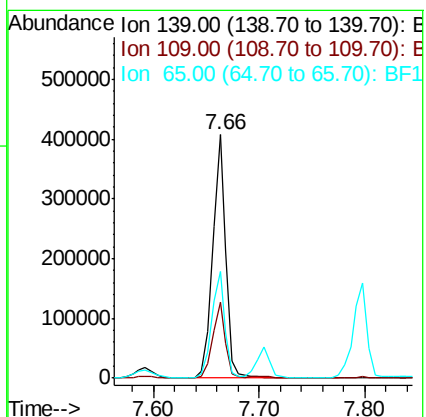
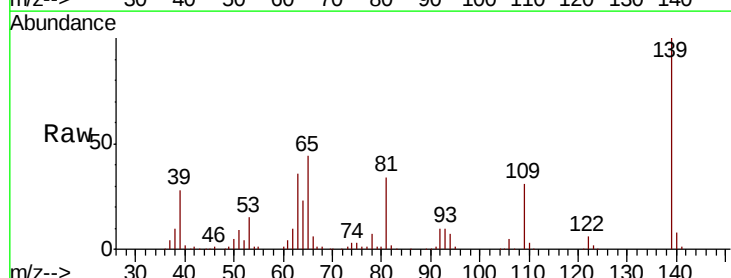
Tgt Ion: 139 Resp: 358818

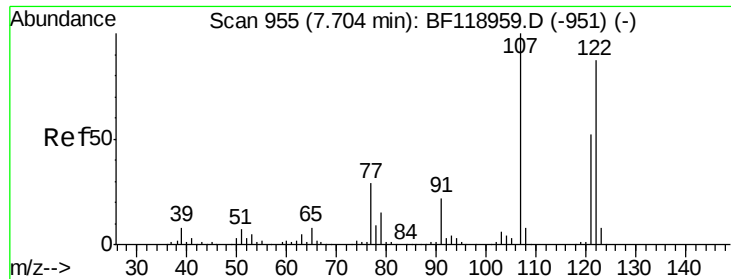
Ion Ratio Lower Upper

139 100

109 31.0 24.6 36.8

65 44.1 33.6 50.4

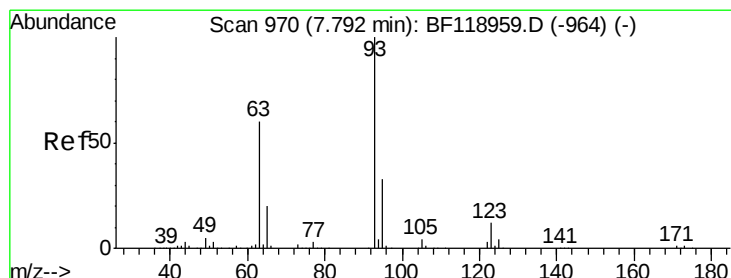
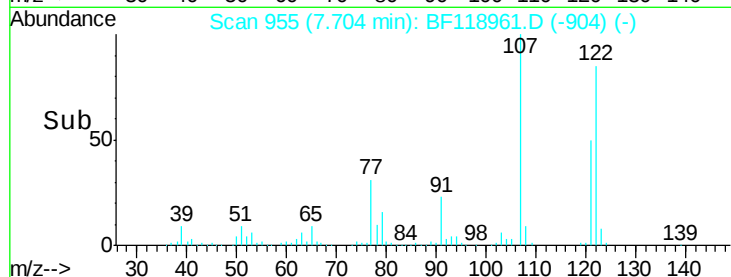
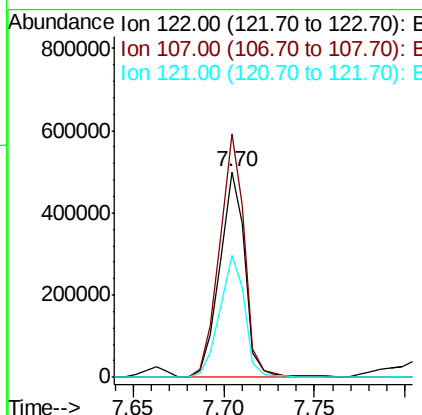
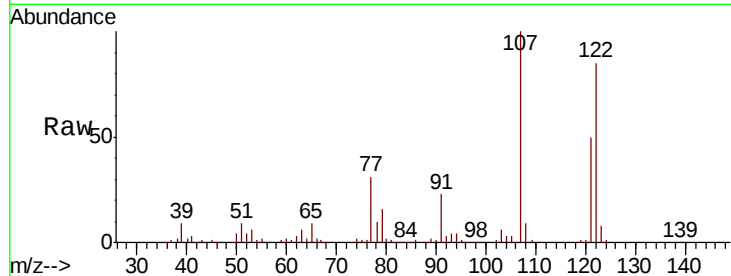




#27  
 2,4-Dimethylphenol  
 Concen: 63.112 ng  
 RT: 7.70 min Scan# 955  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

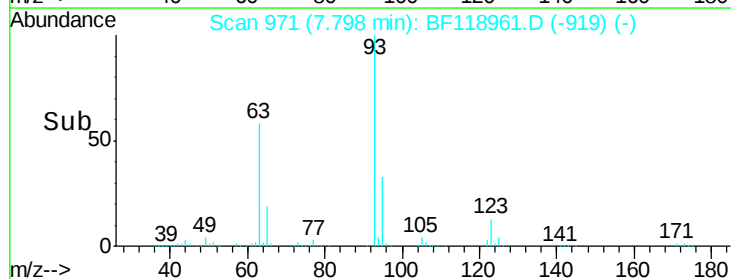
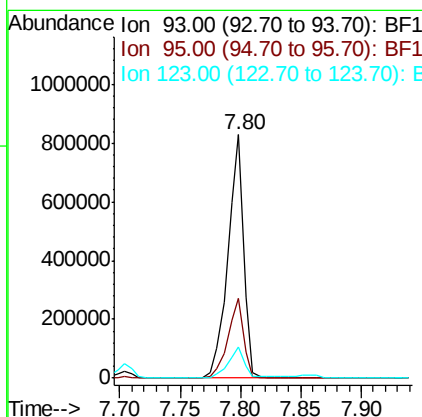
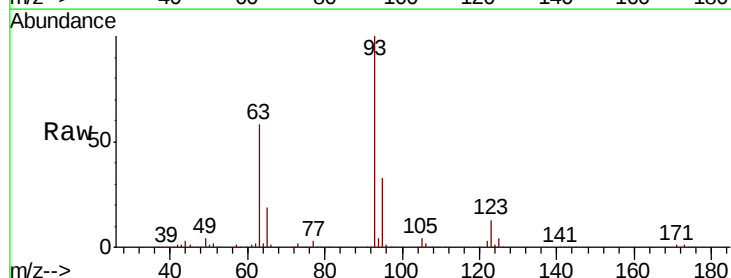
Instrument :  
 BNA\_F  
 ClientSampleId :

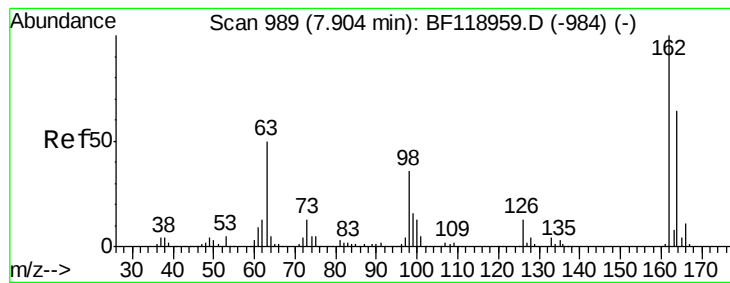
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 118.3 | 91.8  | 137.8 |
| 121     | 59.4  | 47.4  | 71.0  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 60.515 ng  
 RT: 7.80 min Scan# 971  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.3  | 39.5  |
| 123     | 12.7  | 9.8   | 14.8  |





#29

2,4-Dichlorophenol

Concen: 61.580 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampled :

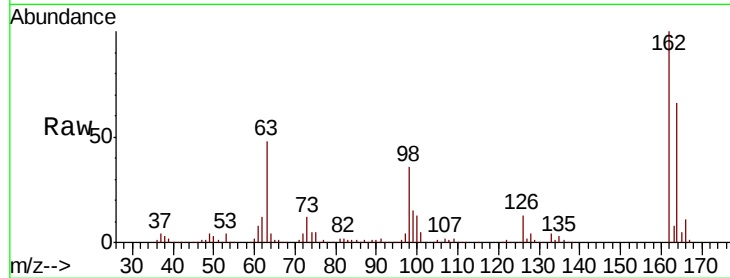
Tot Ion:162 Resp: 560893

Ion Ratio Lower Upper

162 100

164 65.7 44.1 84.1

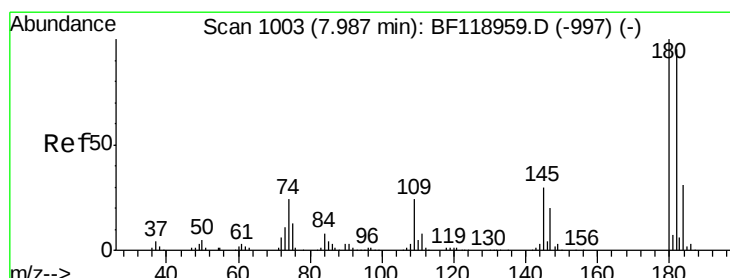
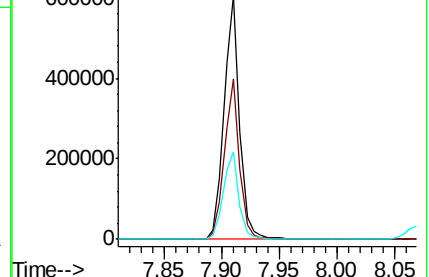
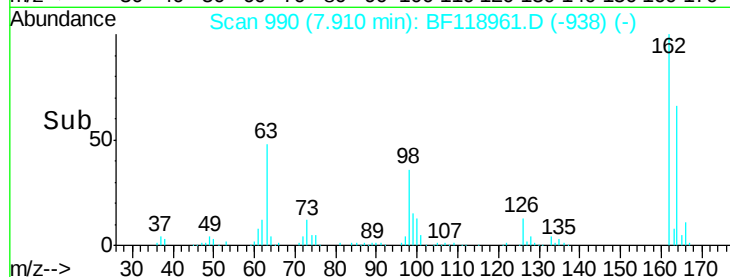
98 35.8 16.4 56.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 61.659 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

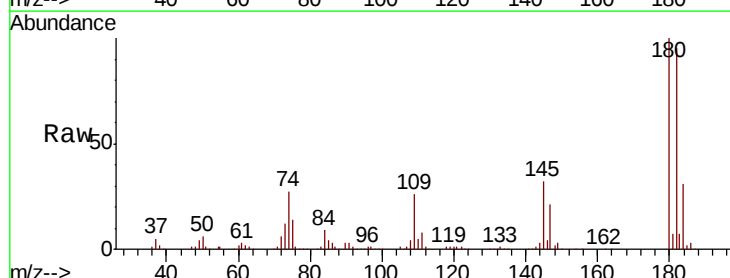
Tgt Ion:180 Resp: 658897

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

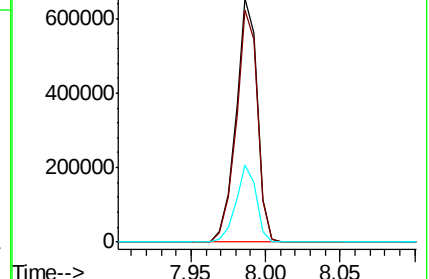
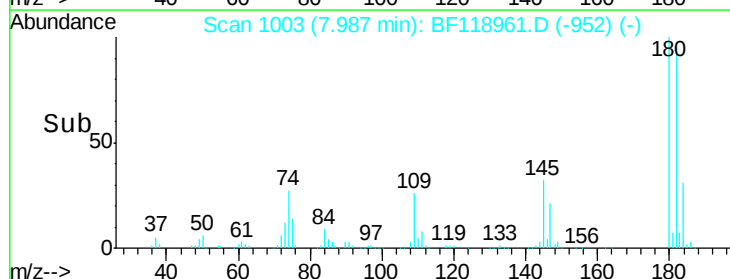
145 31.6 24.2 36.2

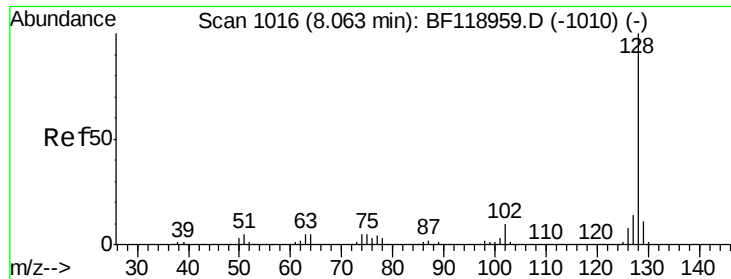


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

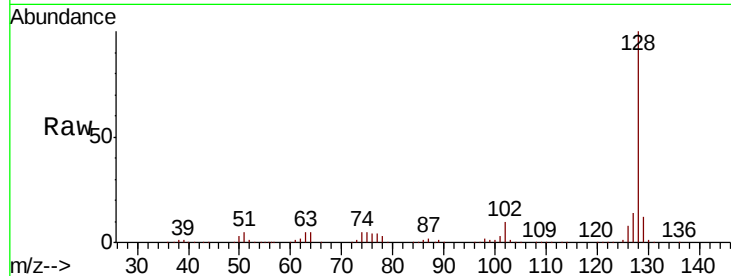




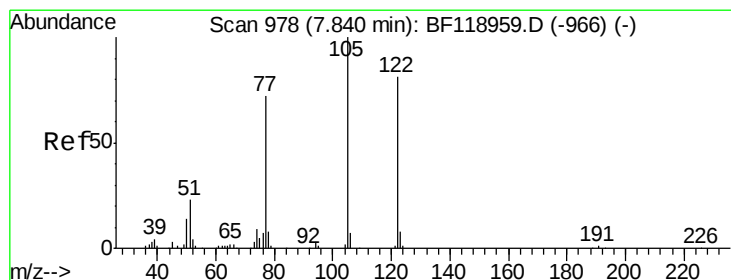
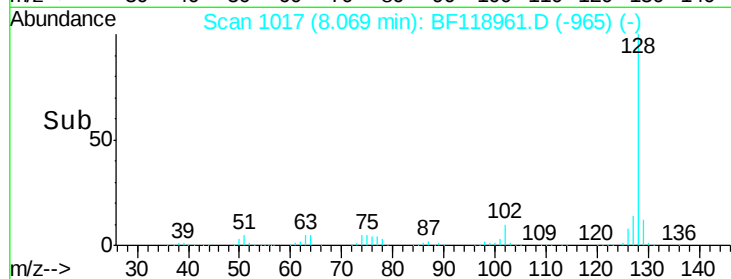
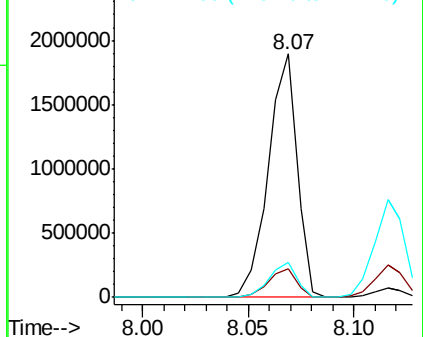
#31  
Naphthalene  
Concen: 60.625 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 1803211  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.0 13.4  
127 14.1 10.9 16.3

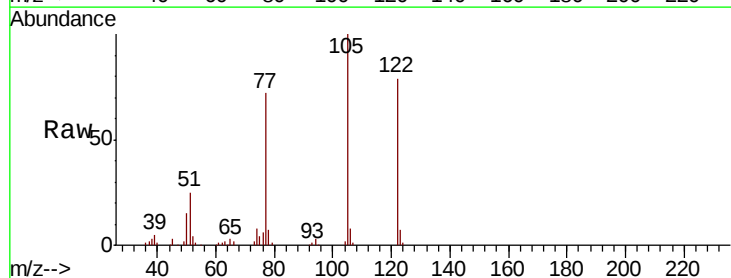


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

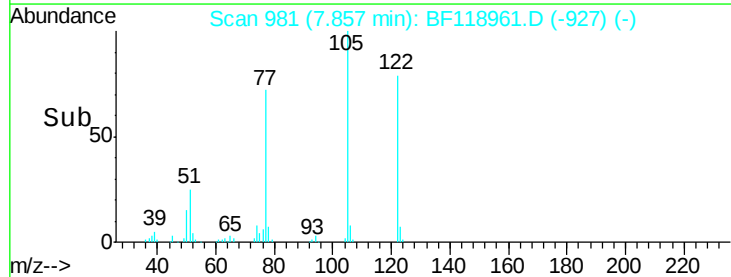
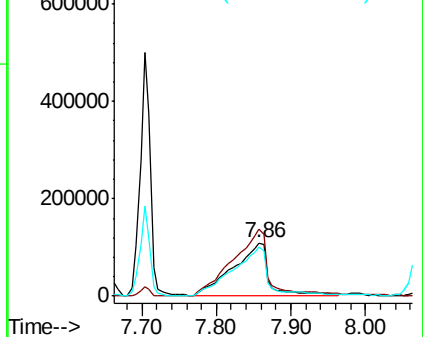


#32  
Benzoic acid  
Concen: 63.839 ng  
RT: 7.86 min Scan# 981  
Delta R.T. 0.02 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:122 Resp: 352214  
Ion Ratio Lower Upper  
122 100  
105 127.2 102.2 142.2  
77 91.8 68.6 108.6



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

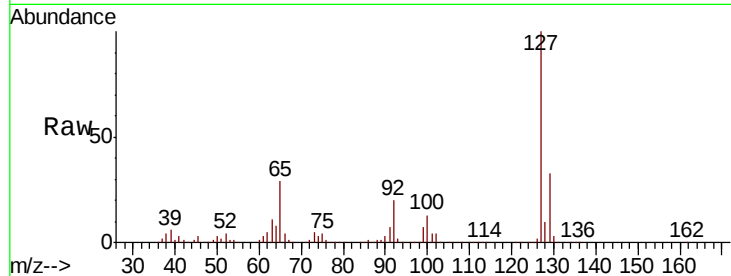




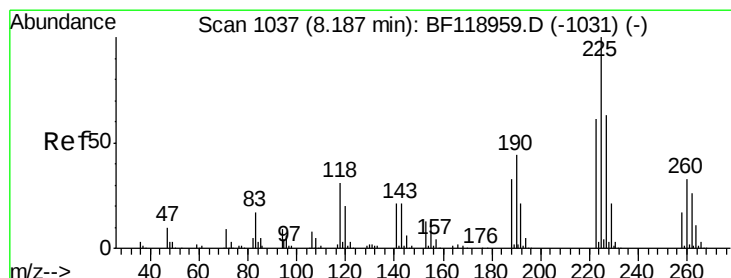
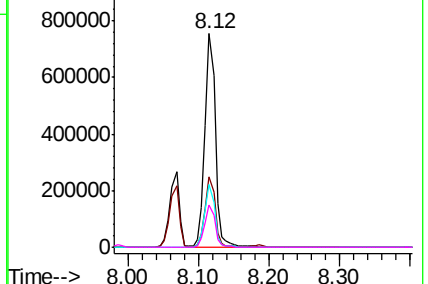
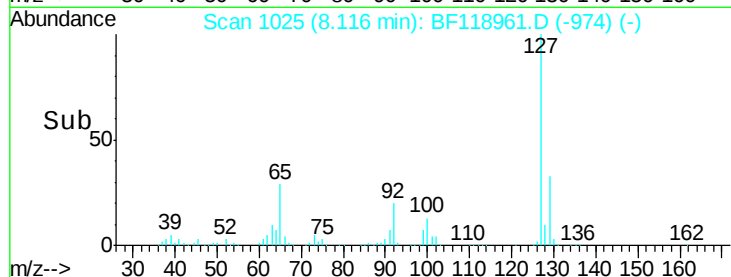
#33  
4-Chloroaniline  
Concen: 61.837 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 787445      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 32.8  | 26.2 39.2   |
| 65          | 29.1  | 22.0 33.0   |
| 92          | 19.9  | 15.5 23.3   |

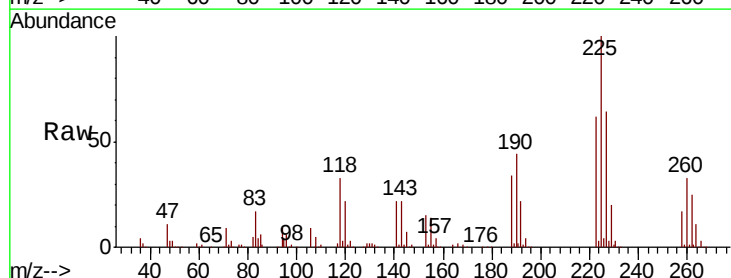


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

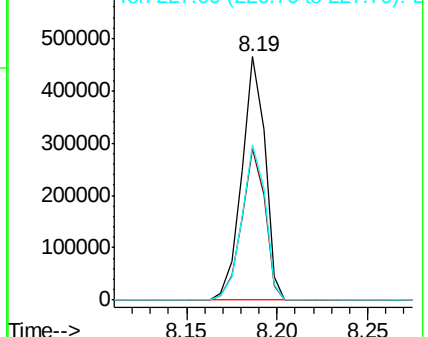
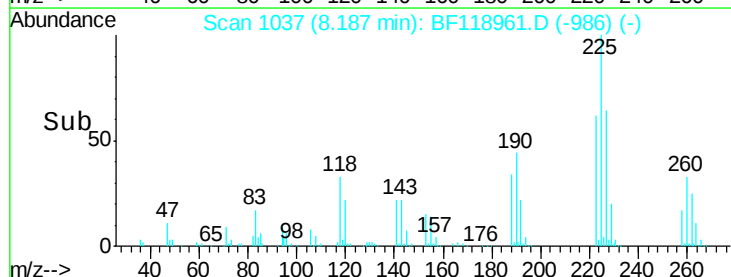


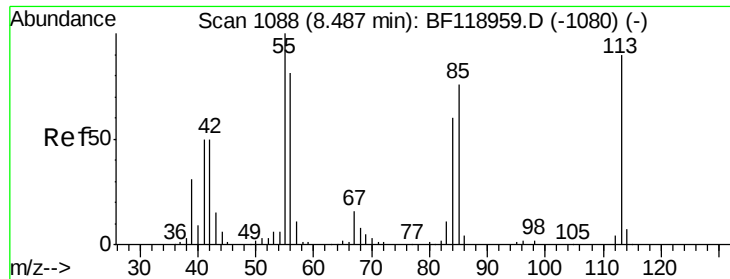
#34  
Hexachlorobutadiene  
Concen: 62.690 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 414461      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 62.0  | 48.9 73.3   |
| 227         | 63.6  | 50.4 75.6   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

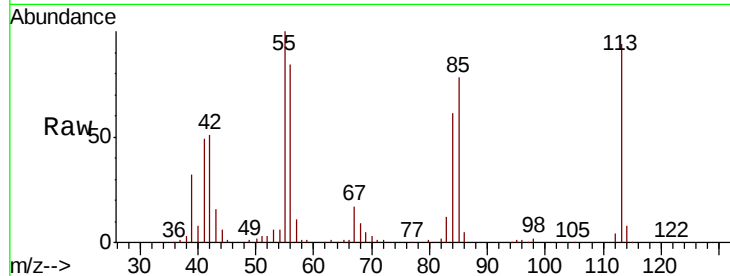




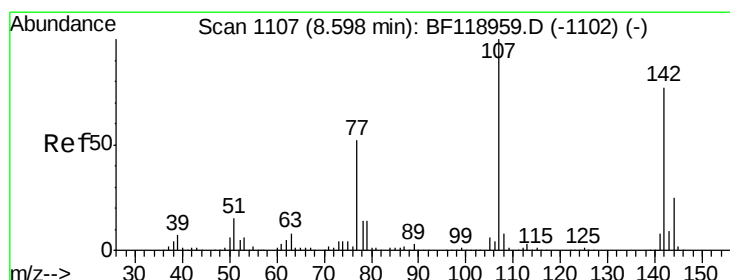
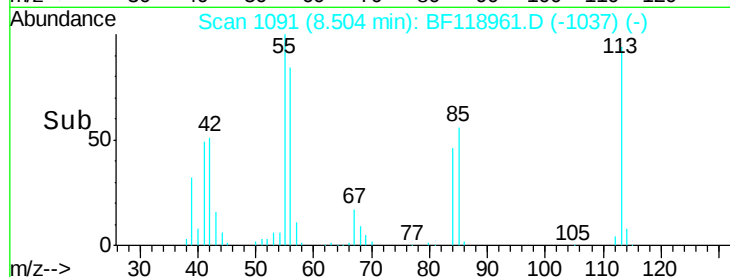
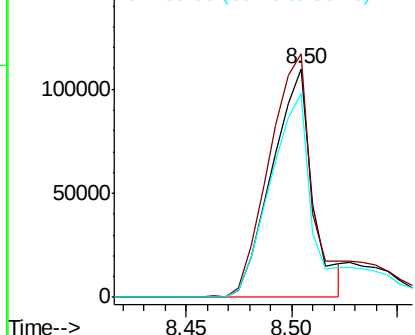
#35  
Caprolactam  
Concen: 53.196 ng  
RT: 8.50 min Scan# 1091  
Delta R.T. 0.02 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 146597  
Ion Ratio Lower Upper  
113 100  
55 106.4 90.8 130.8  
56 89.3 70.0 110.0

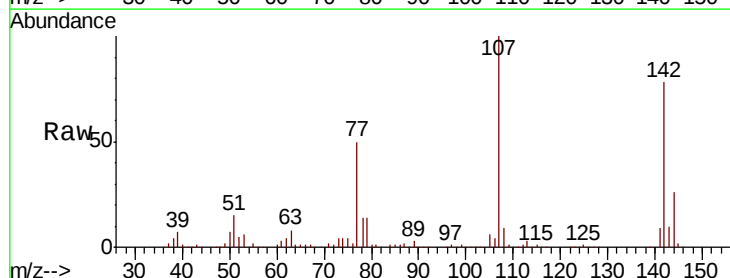


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

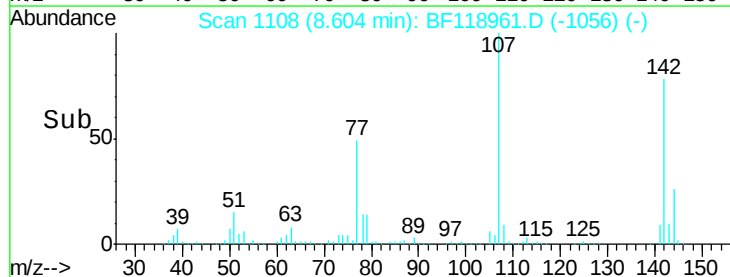
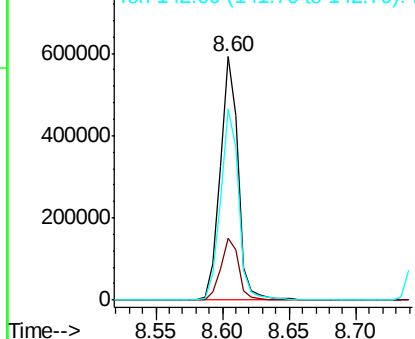


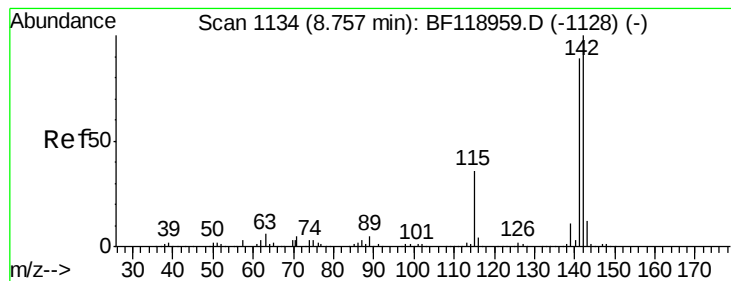
#36  
4-Chloro-3-methylphenol  
Concen: 62.332 ng  
RT: 8.60 min Scan# 1108  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:107 Resp: 567329  
Ion Ratio Lower Upper  
107 100  
144 25.7 19.8 29.8  
142 78.3 61.3 91.9



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





#37

2-Methylnaphthalene

Concen: 60.888 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

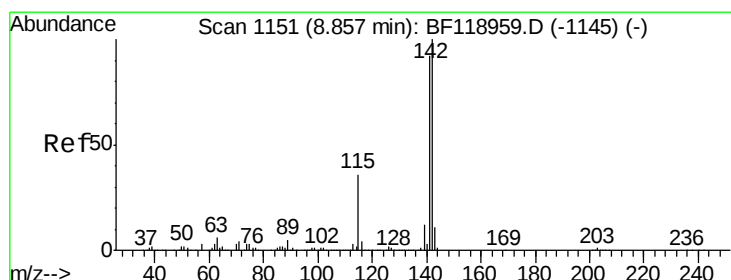
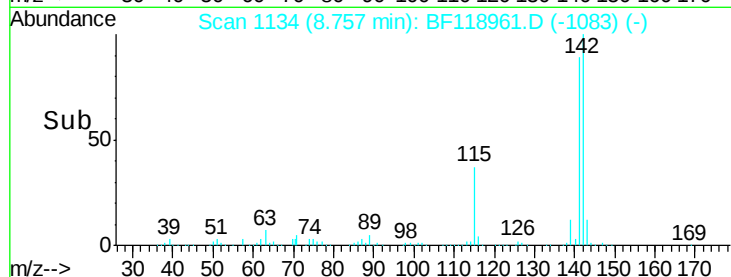
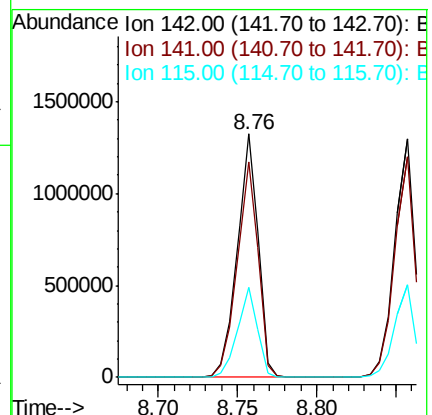
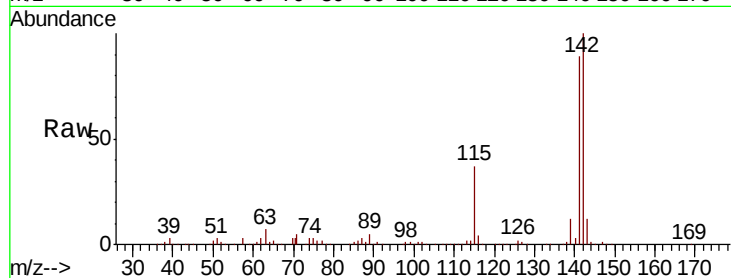
Tot Ion:142 Resp: 1208096

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.4

115 36.8 28.6 42.8



#38

1-Methylnaphthalene

Concen: 61.130 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

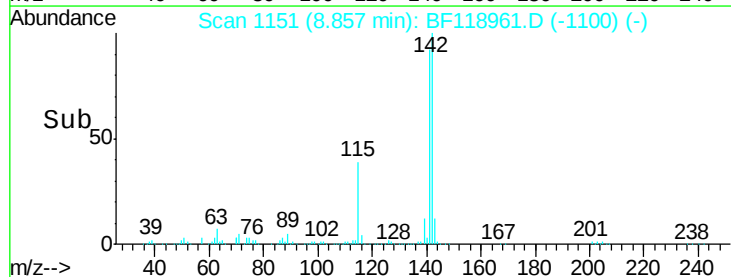
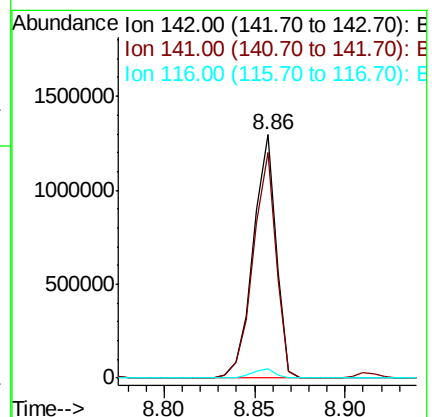
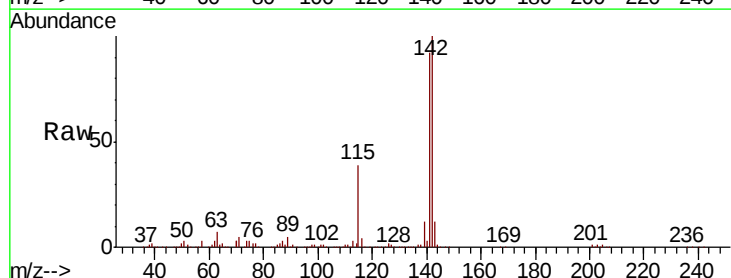
Tgt Ion:142 Resp: 1137400

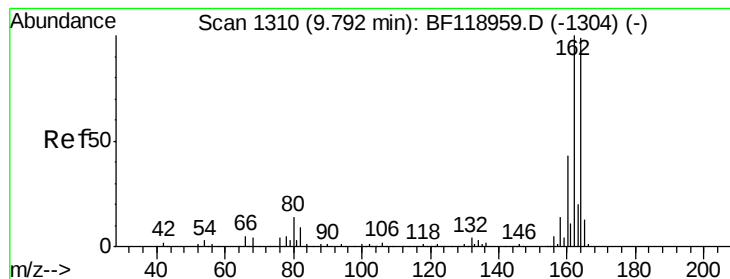
Ion Ratio Lower Upper

142 100

141 92.5 73.7 110.5

116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

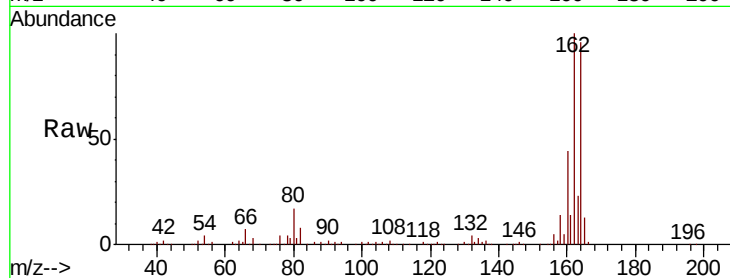
Tot Ion:164 Resp: 315456

Ion Ratio Lower Upper

164 100

162 104.4 81.2 121.8

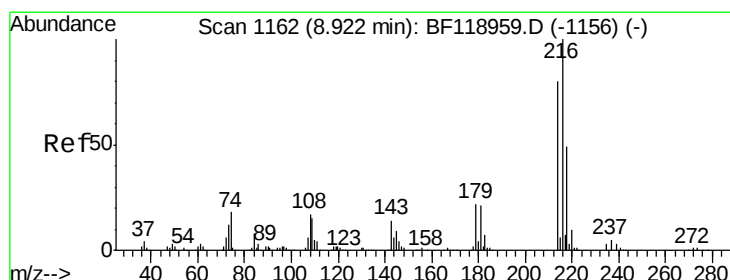
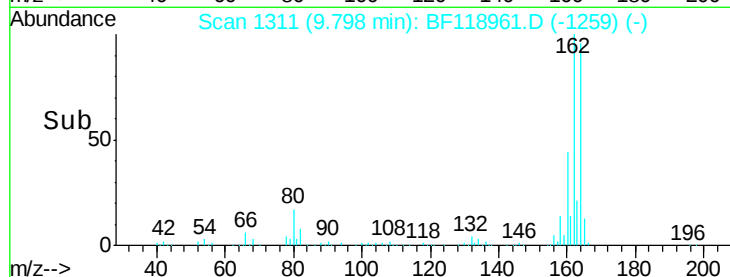
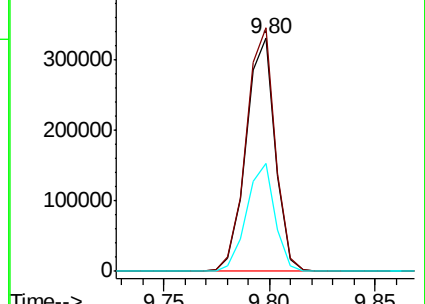
160 46.3 35.2 52.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 62.938 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:216 Resp: 636952

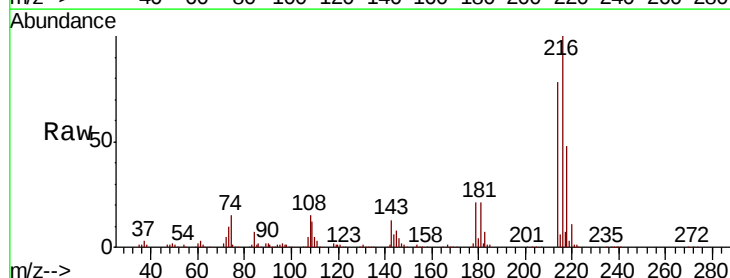
Ion Ratio Lower Upper

216 100

214 79.2 63.1 94.7

179 21.7 17.2 25.8

108 17.0 13.4 20.0

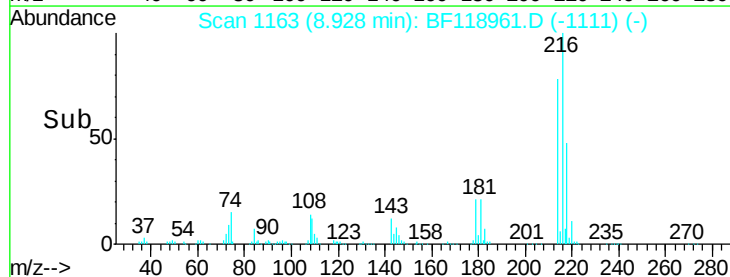
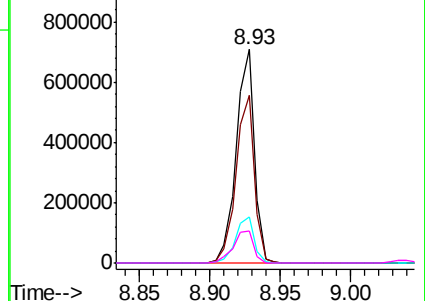


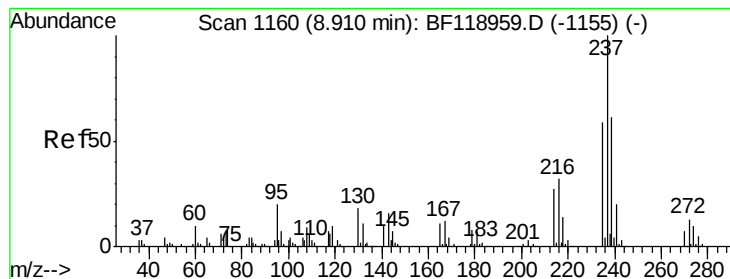
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 73.536 ng

RT: 8.92 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

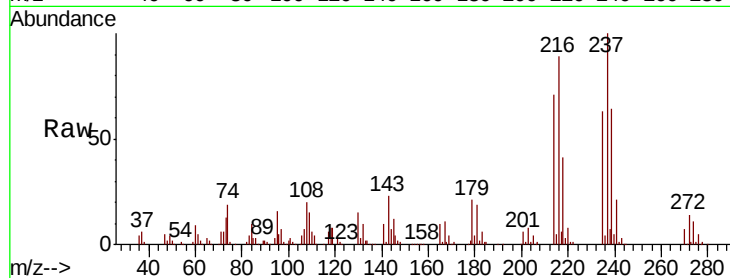
Tot Ion:237 Resp: 223307

Ion Ratio Lower Upper

237 100

235 63.4 39.4 79.4

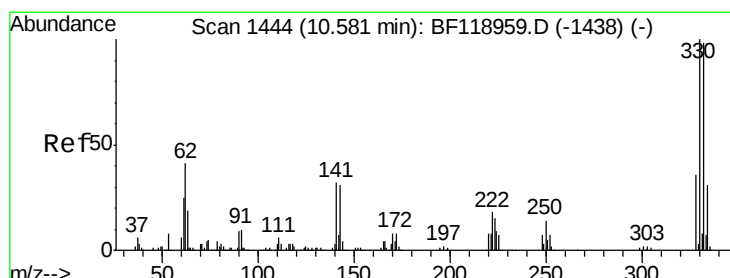
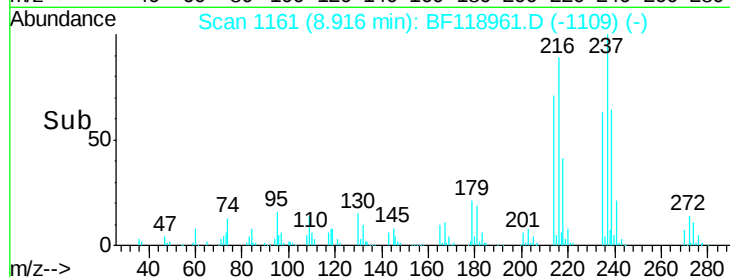
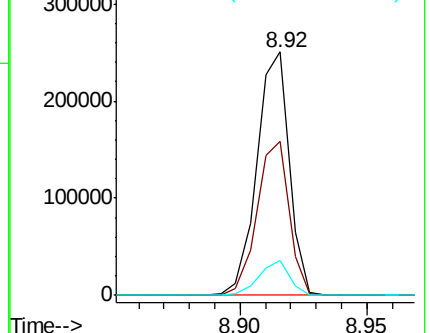
272 14.2 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 126.846 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

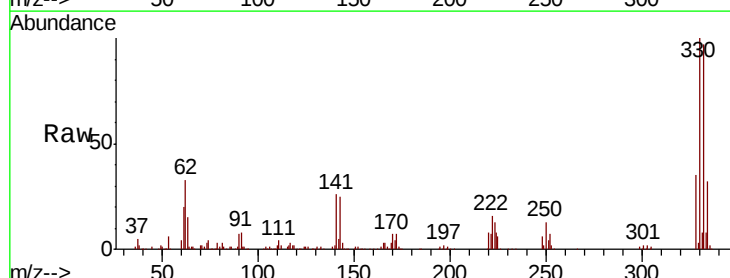
Tgt Ion:330 Resp: 495711

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

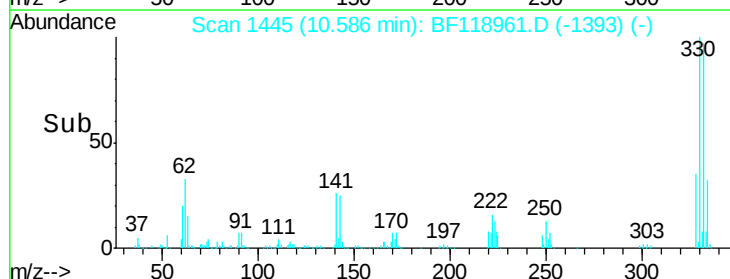
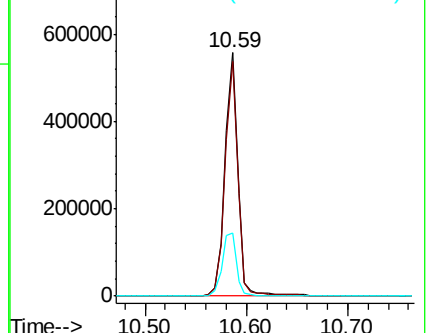
141 28.9 23.0 34.6

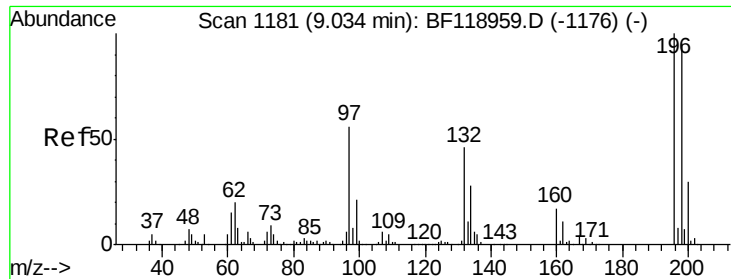


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

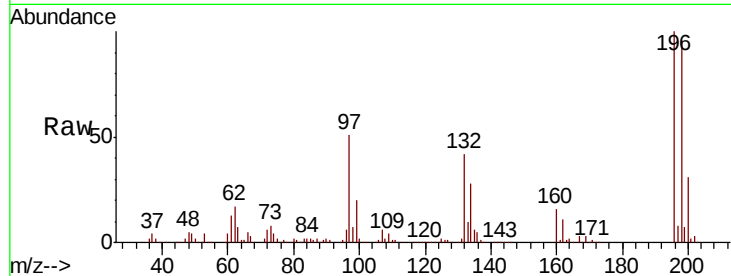




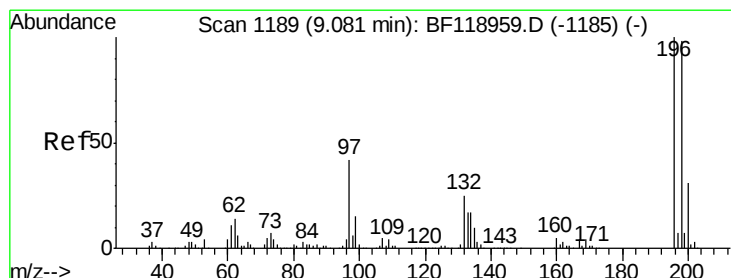
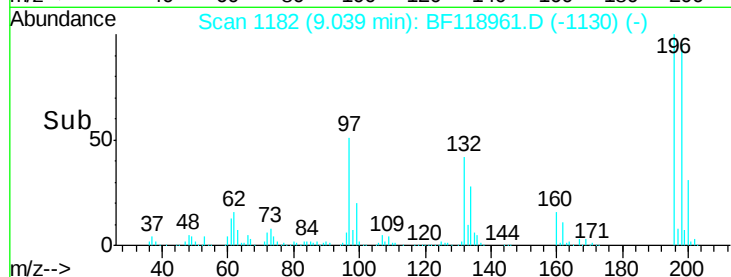
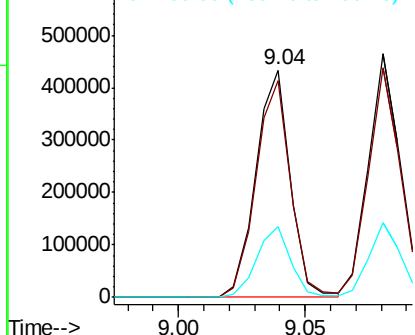
#43  
 2,4,6-Trichlorophenol  
 Concen: 61.480 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 410604  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 75.8 113.6  
 200 31.1 24.1 36.1

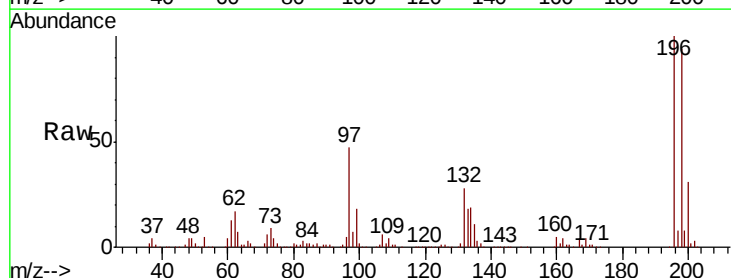


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

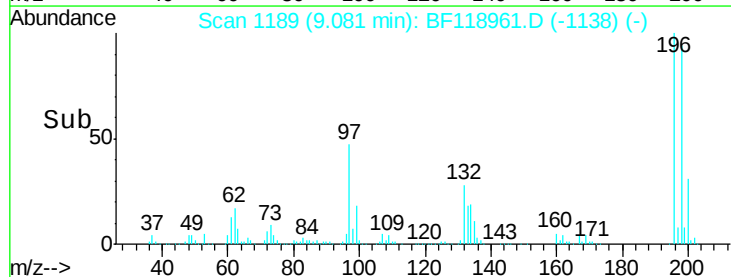
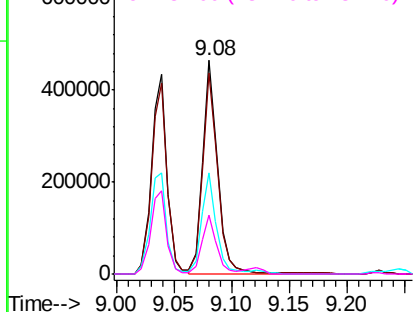


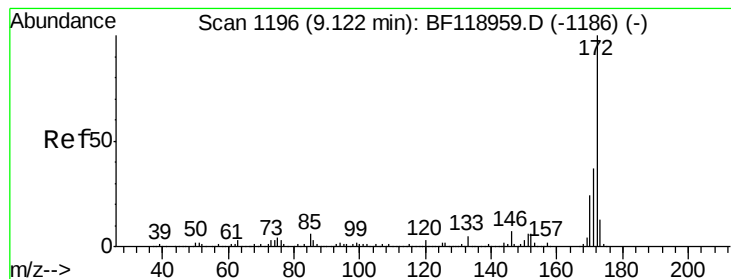
#44  
 2,4,5-Trichlorophenol  
 Concen: 62.016 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Tgt Ion:196 Resp: 429437  
 Ion Ratio Lower Upper  
 196 100  
 198 94.4 78.4 117.6  
 97 47.2 33.4 50.0  
 132 27.6 20.6 30.8



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: 124.246 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

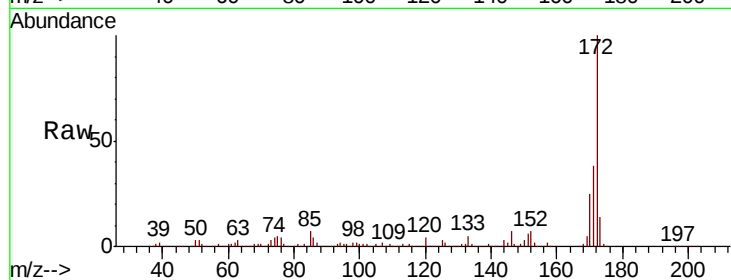
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:172 Resp: 2426458

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.7  | 29.4  | 44.2  |
| 170 | 24.9  | 19.6  | 29.4  |

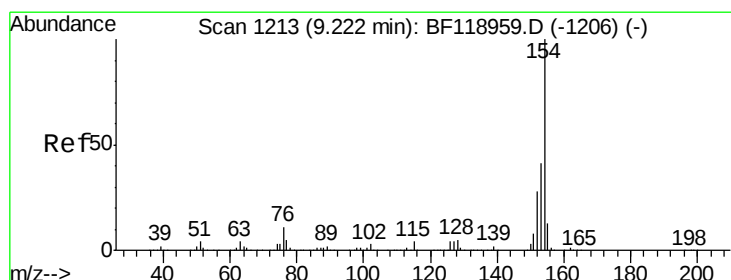
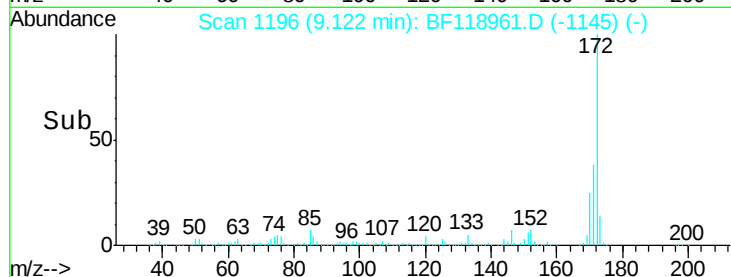
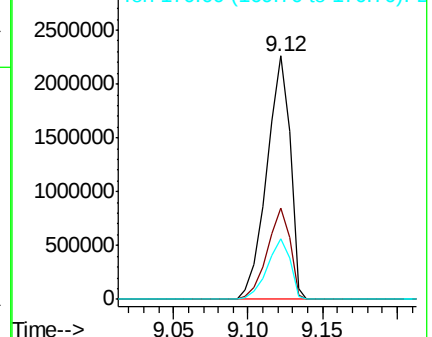


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 61.975 ng

RT: 9.22 min Scan# 1213

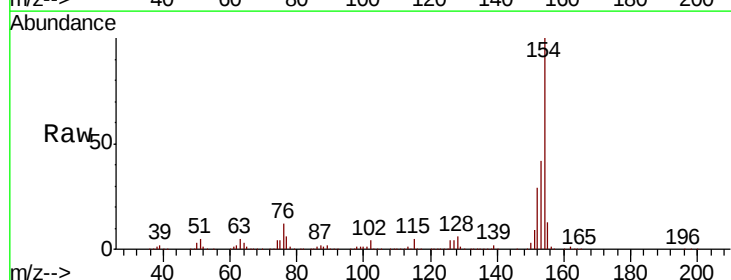
Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:154 Resp: 1502996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 42.2  | 21.2  | 61.2  |
| 76  | 12.2  | 0.0   | 31.1  |

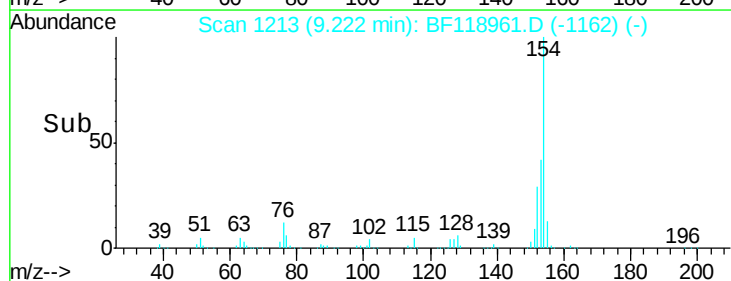
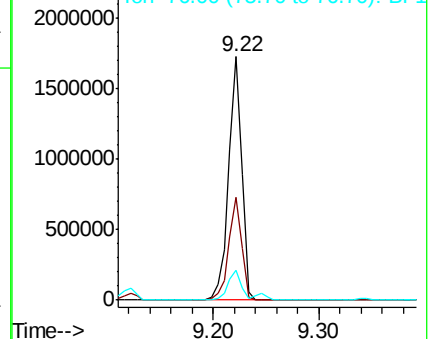


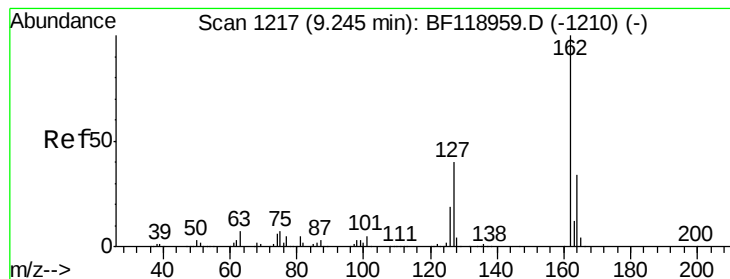
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 60.820 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

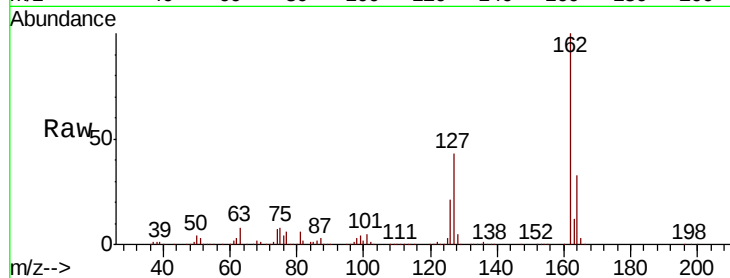
Tot Ion:162 Resp: 1224113

Ion Ratio Lower Upper

162 100

127 43.3 31.9 47.9

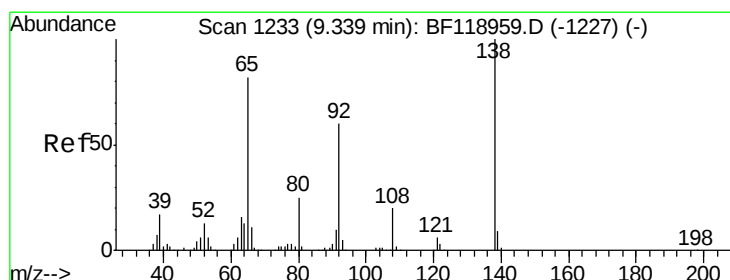
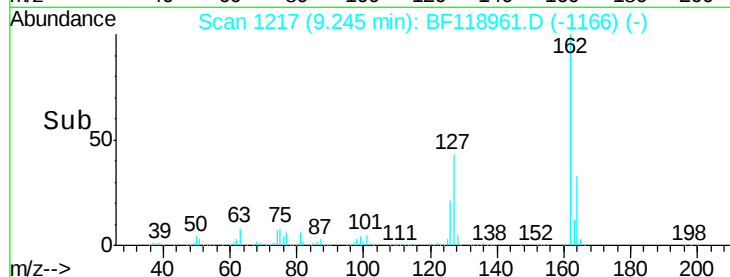
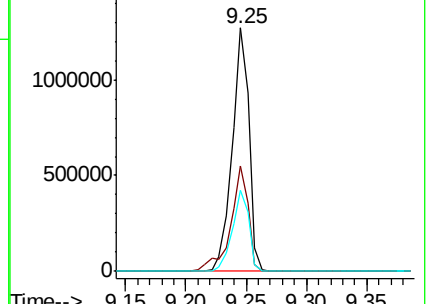
164 33.3 26.8 40.2



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: 63.071 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

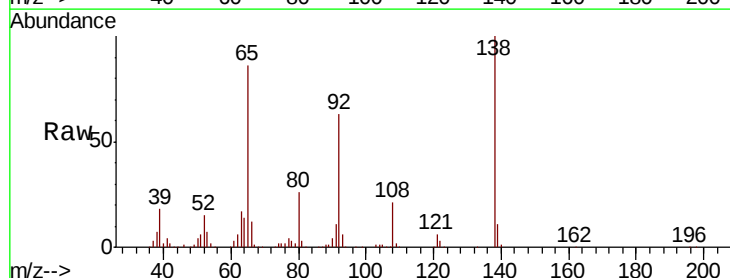
Tgt Ion: 65 Resp: 355191

Ion Ratio Lower Upper

65 100

92 72.6 58.6 87.8

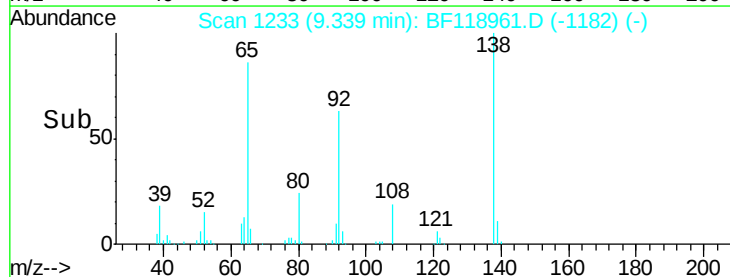
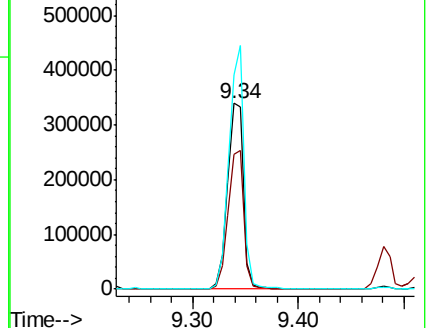
138 115.8 97.5 146.3

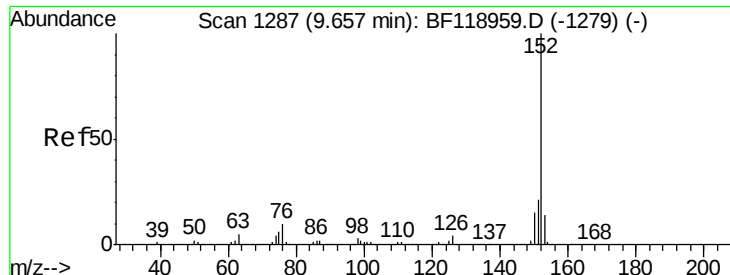


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 61.845 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

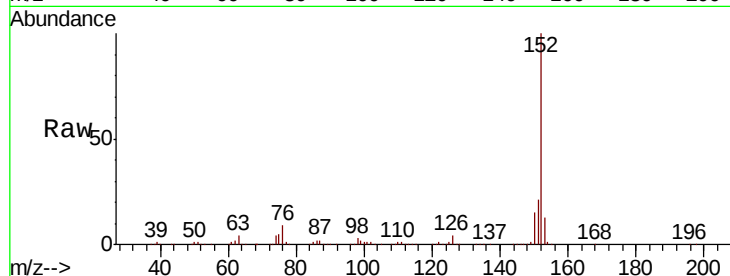
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:152 Resp: 1777272

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.9  | 16.7  | 25.1  |
| 153 | 13.3  | 10.9  | 16.3  |

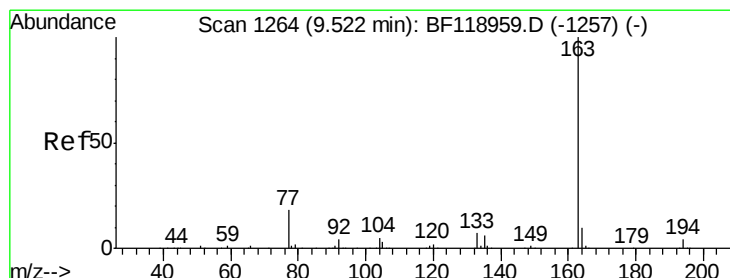
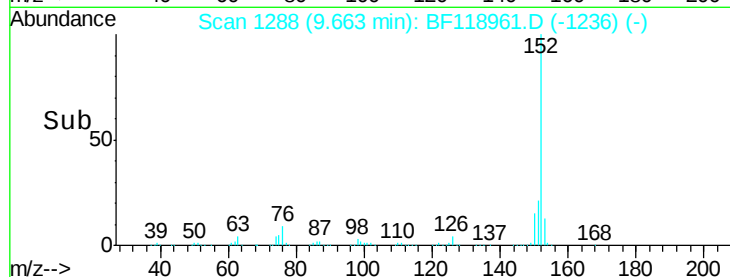
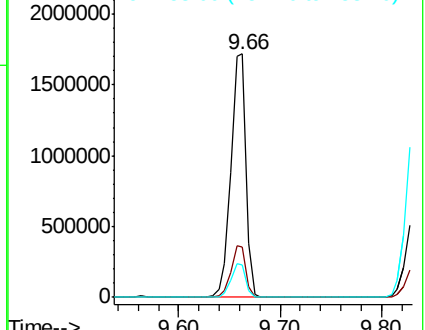


Abundance

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: 60.725 ng

RT: 9.53 min Scan# 1265

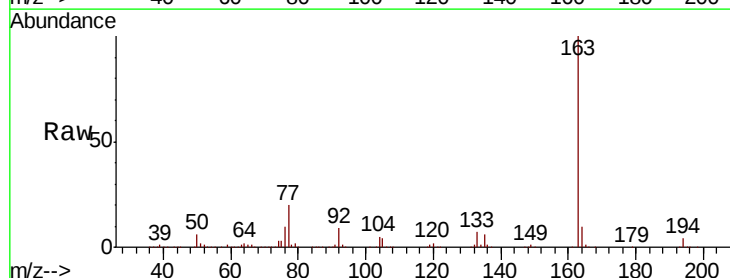
Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:163 Resp: 1446273

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.5   | 3.4   | 5.2   |
| 164 | 10.1  | 8.2   | 12.2  |

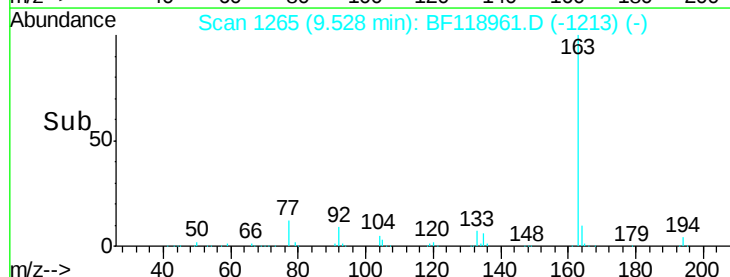
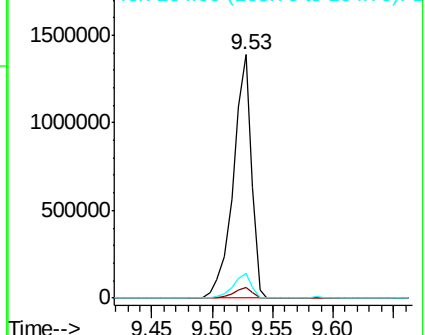


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

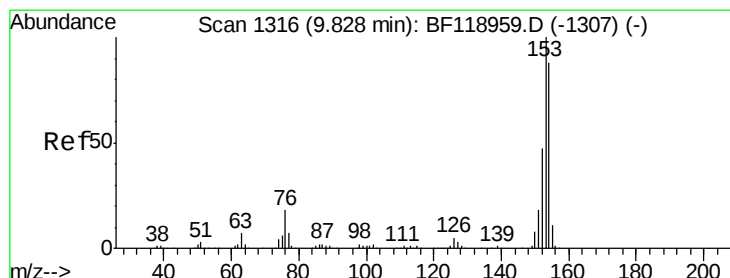
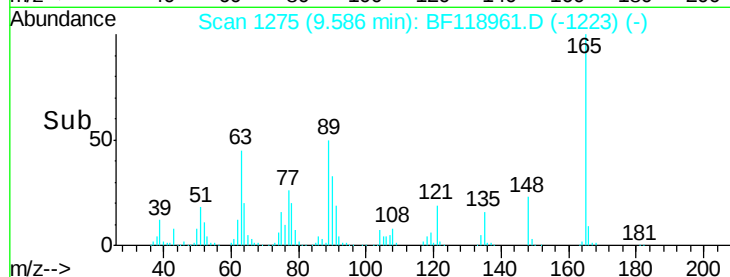
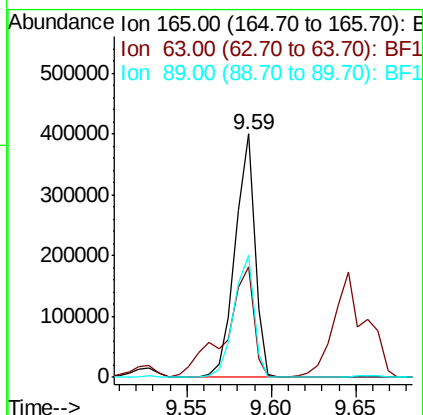
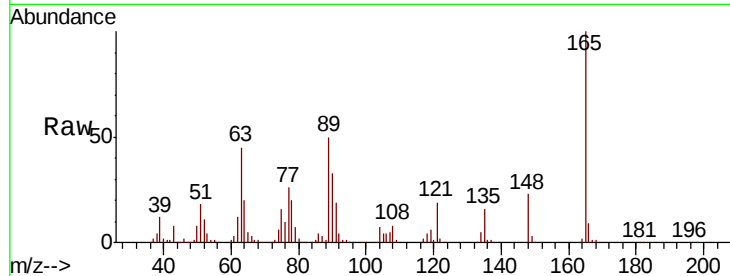




#51  
 2,6-Dinitrotoluene  
 Concen: 61.046 ng  
 RT: 9.59 min Scan# 1275  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

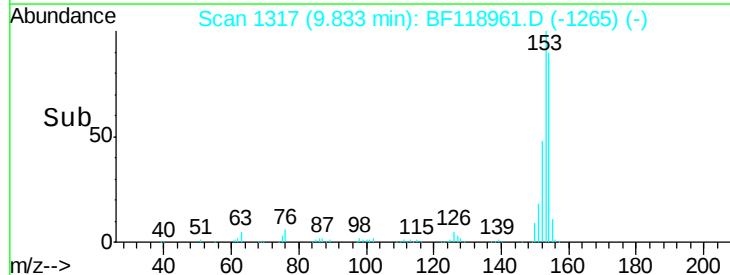
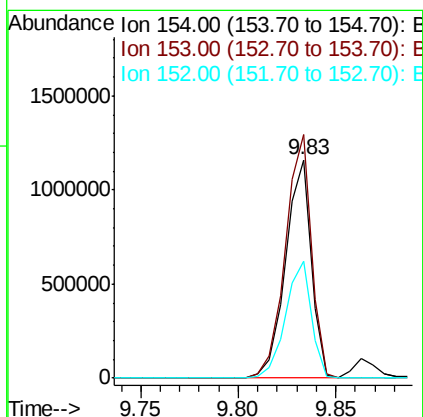
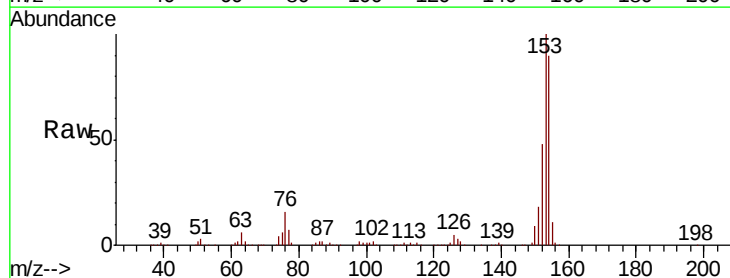
Instrument :  
 BNA\_F  
 ClientSampleID :

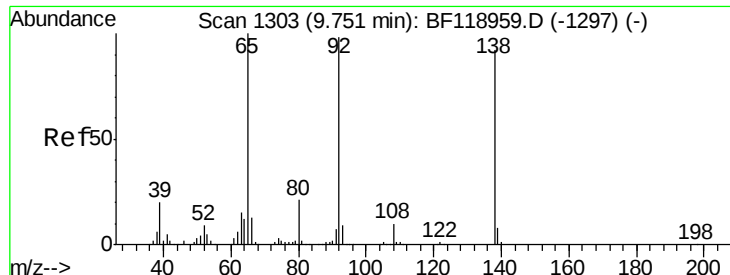
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 45.1  | 37.9  | 56.9  |
| 89      | 50.0  | 41.4  | 62.0  |



#52  
 Acenaphthene  
 Concen: 60.902 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.5 | 90.4  | 135.6 |
| 152     | 53.4  | 42.9  | 64.3  |

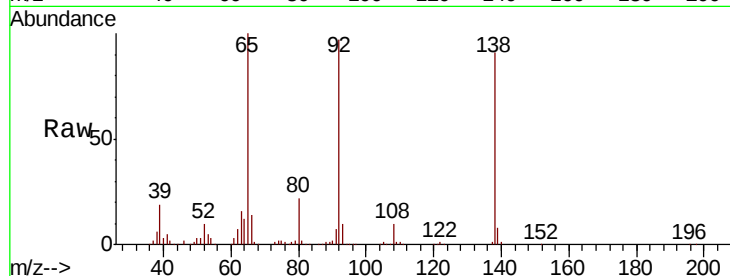




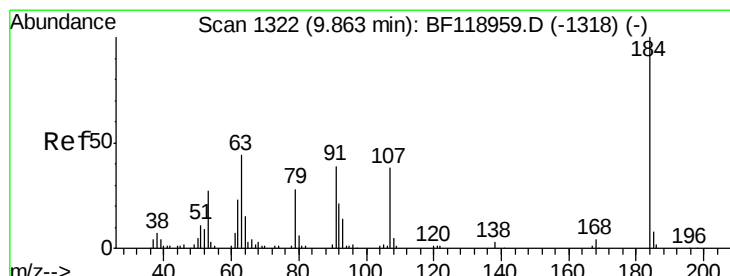
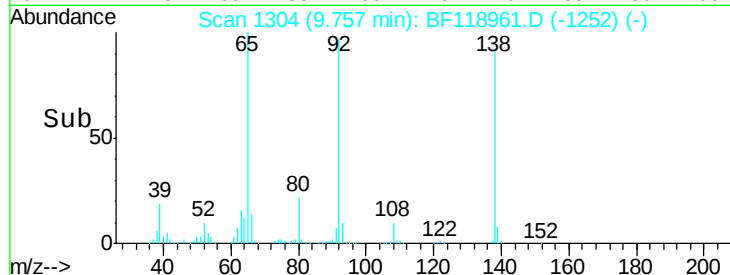
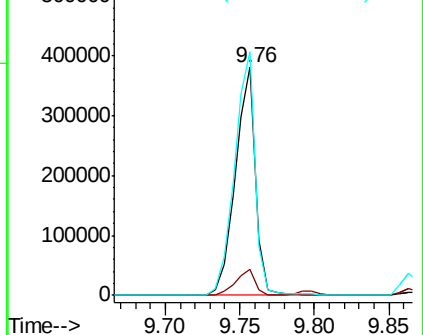
#53  
3-Nitroaniline  
Concen: 61.707 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 361263  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.6 13.0  
92 106.8 84.6 127.0

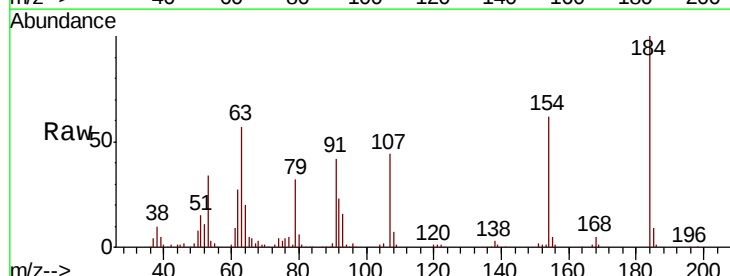


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

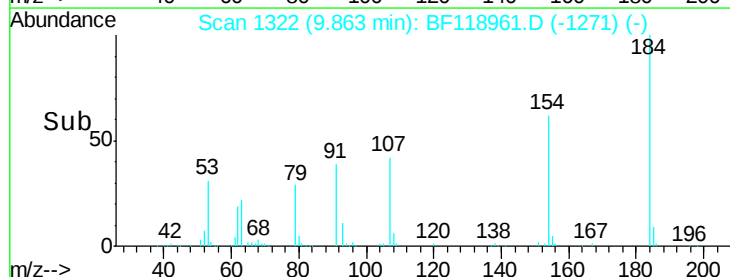
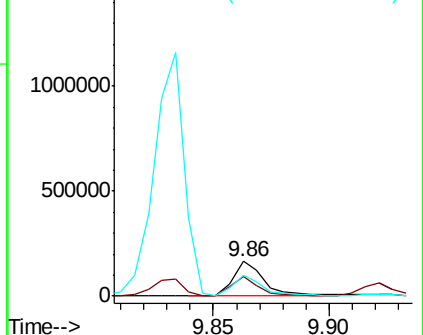


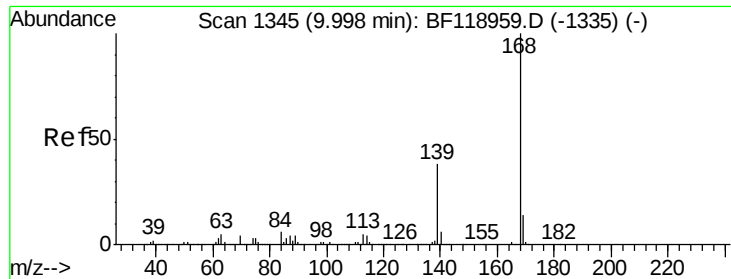
#54  
2,4-Dinitrophenol  
Concen: 64.651 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:184 Resp: 152969  
Ion Ratio Lower Upper  
184 100  
63 57.5 37.8 56.6#  
154 61.9 47.6 71.4



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

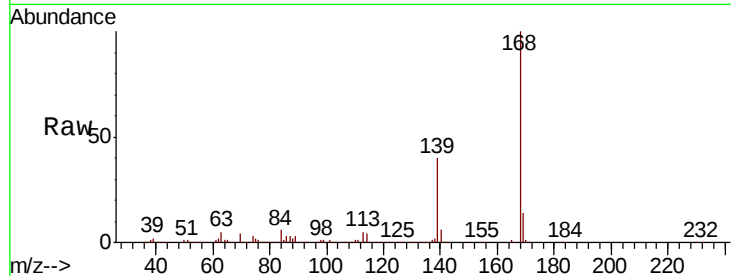




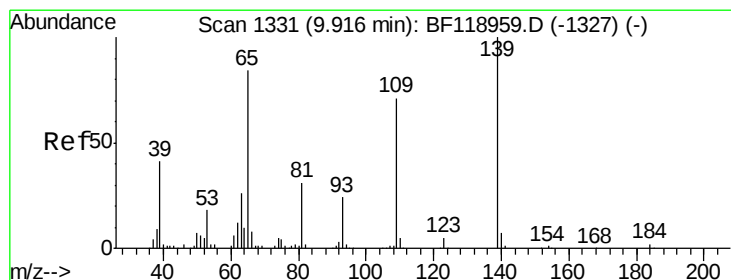
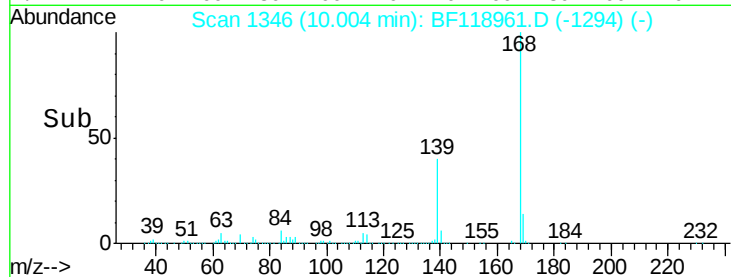
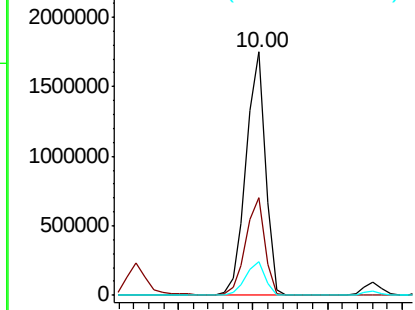
#55  
Dibenzenofuran  
Concen: 60.409 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 1577446  
Ion Ratio Lower Upper  
168 100  
139 39.9 31.7 47.5  
169 14.0 11.0 16.4

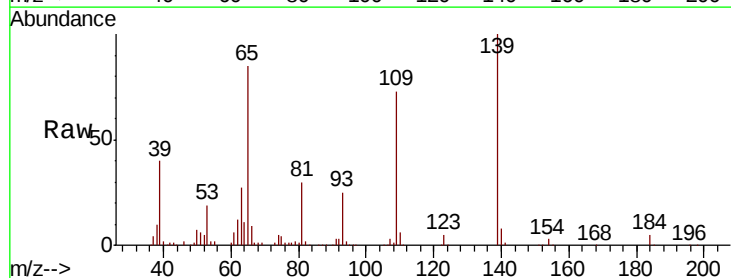


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

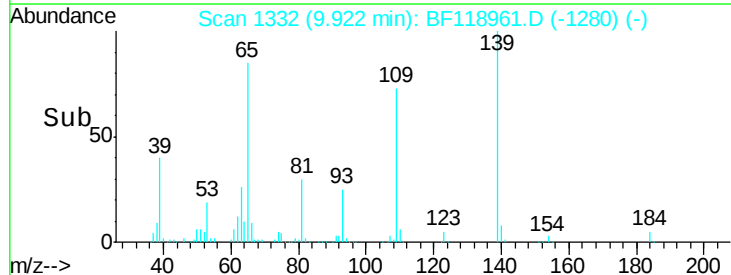
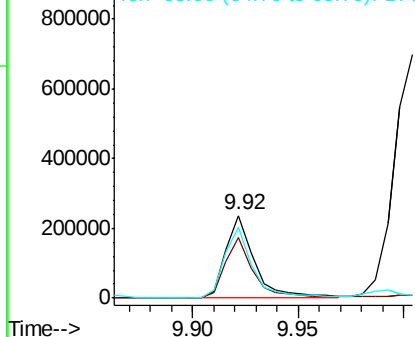


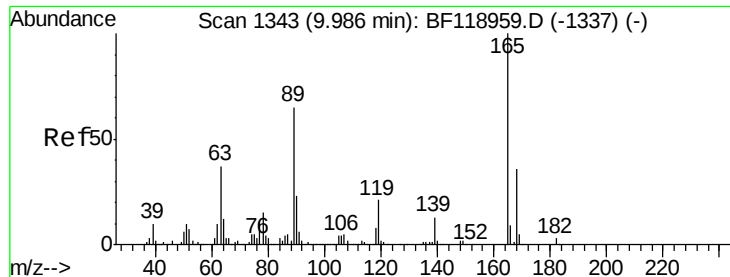
#56  
4-Nitrophenol  
Concen: 62.644 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:139 Resp: 225927  
Ion Ratio Lower Upper  
139 100  
109 72.8 51.1 91.1  
65 85.3 64.7 104.7



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





#57

2,4-Dinitrotoluene

Concen: 61.719 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 424713

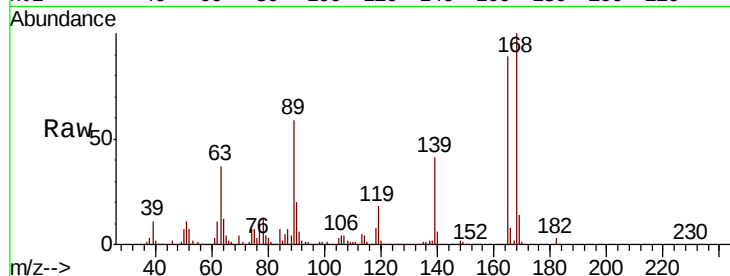
Ion Ratio Lower Upper

165 100

63 41.0 29.8 44.8

89 65.6 51.9 77.9

182 3.0 2.3 3.5

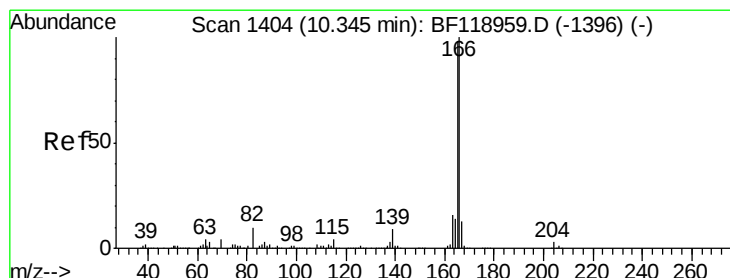
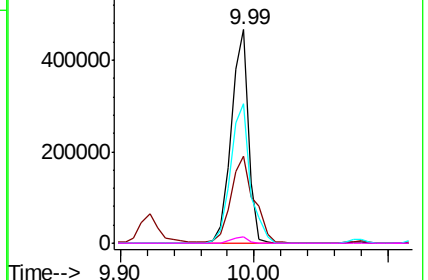
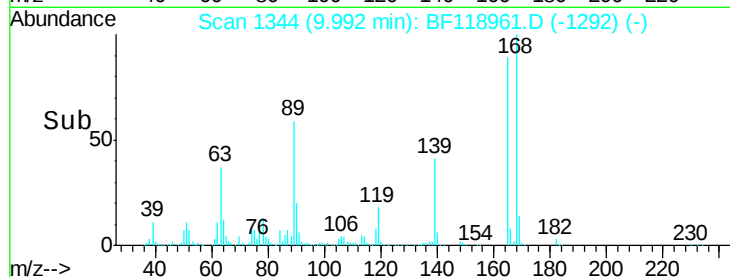


Abundance Ion 165.00 (164.70 to 165.70): E

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: 60.061 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

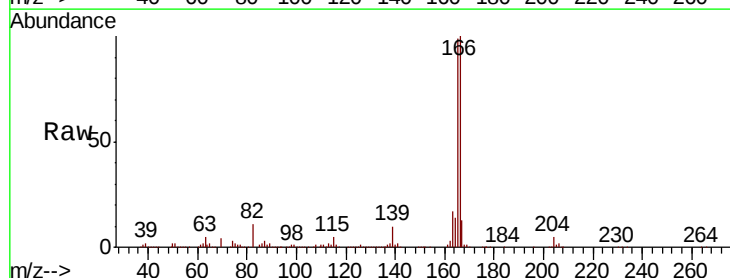
Tgt Ion:166 Resp: 1215500

Ion Ratio Lower Upper

166 100

165 98.5 78.2 117.4

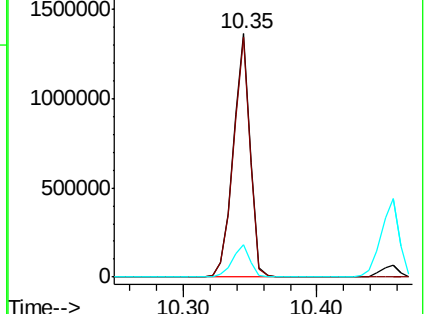
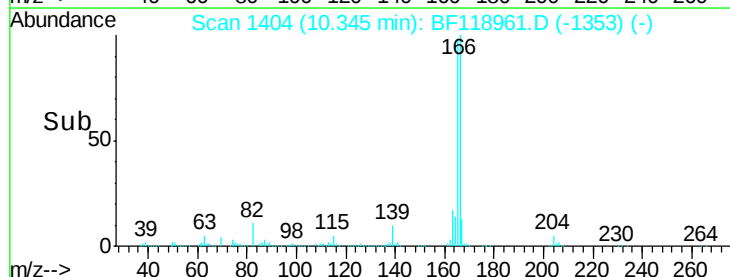
167 13.4 10.6 16.0

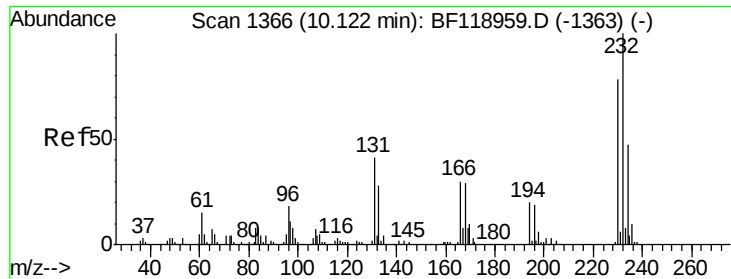


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

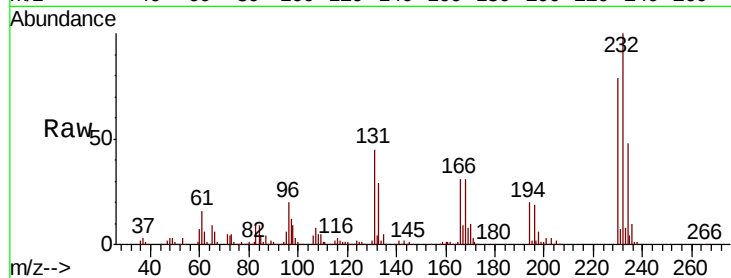




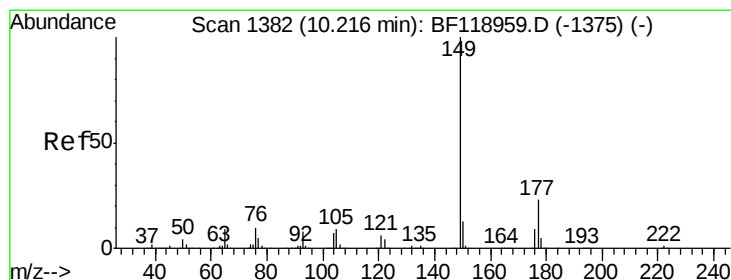
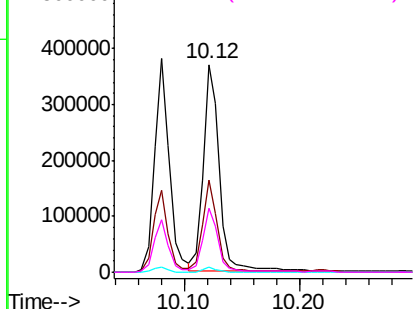
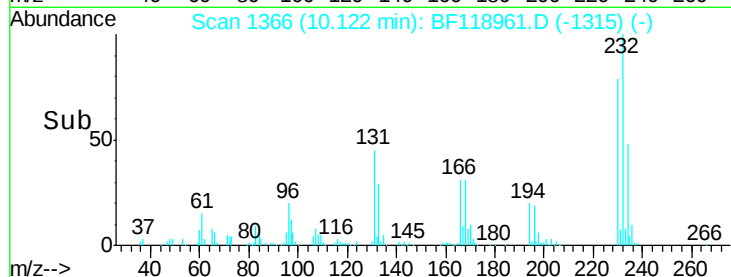
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 60.980 ng  
 RT: 10.12 min Scan# 1366  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Instrument :  
 BNA\_F  
 ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:232 | Resp: | 362918      |
| Ion         | Ratio | Lower Upper |
| 232         | 100   |             |
| 131         | 42.0  | 34.0 51.0   |
| 130         | 2.1   | 1.6 2.4     |
| 166         | 29.2  | 23.6 35.4   |

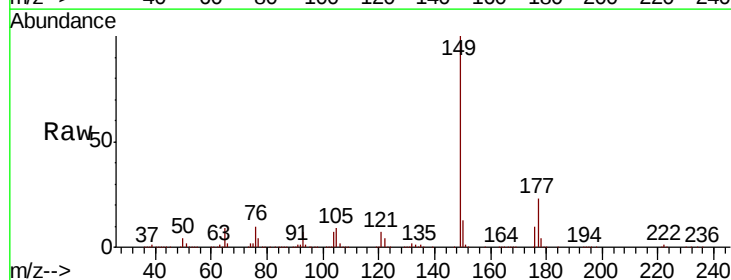


Abundance Ion 232.00 (231.70 to 232.70): E  
 600000  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

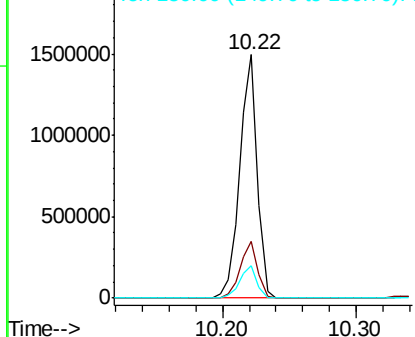
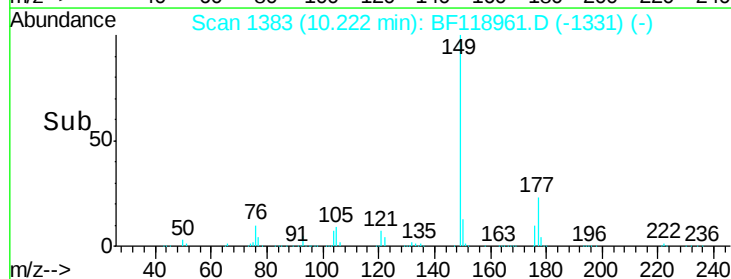


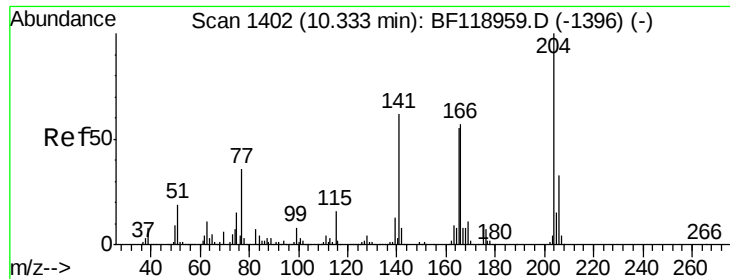
#60  
 Diethylphthalate  
 Concen: 60.484 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:149 | Resp: | 1357993     |
| Ion         | Ratio | Lower Upper |
| 149         | 100   |             |
| 177         | 23.1  | 18.1 27.1   |
| 150         | 13.1  | 10.4 15.6   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 2000000  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

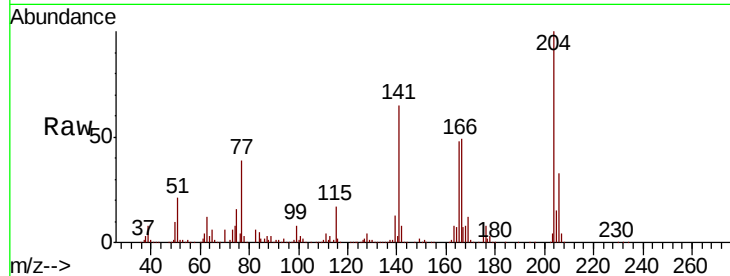




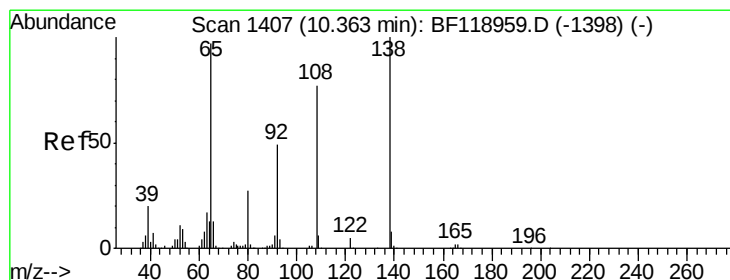
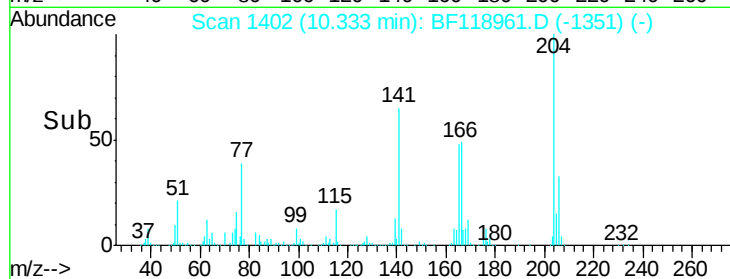
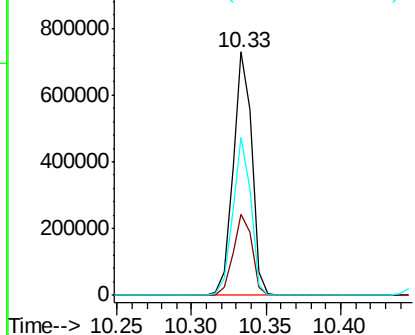
#61  
 4-Chlorophenyl-phenylether  
 Concen: 59.947 ng  
 RT: 10.33 min Scan# 1402  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 26.5  | 39.7  |
| 141     | 65.1  | 49.5  | 74.3  |

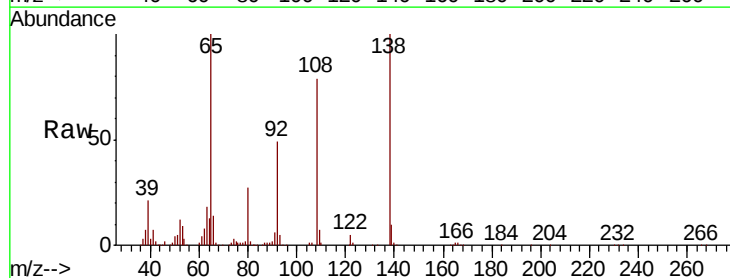


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

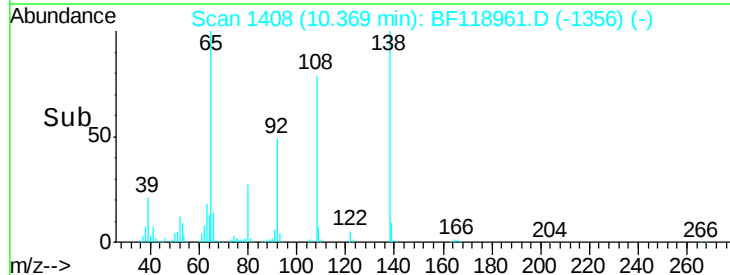
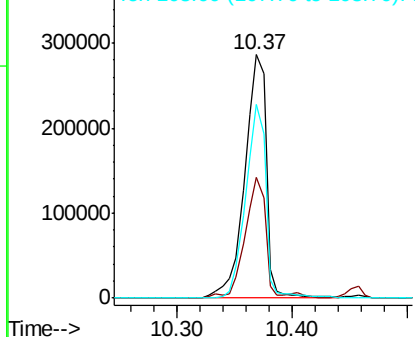


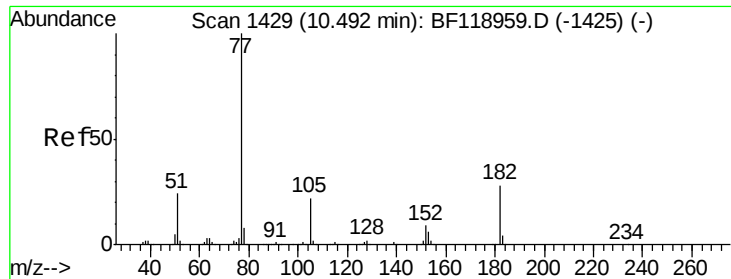
#62  
 4-Nitroaniline  
 Concen: 61.911 ng  
 RT: 10.37 min Scan# 1408  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.5  | 28.7  | 68.7  |
| 108     | 79.3  | 56.8  | 96.8  |



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

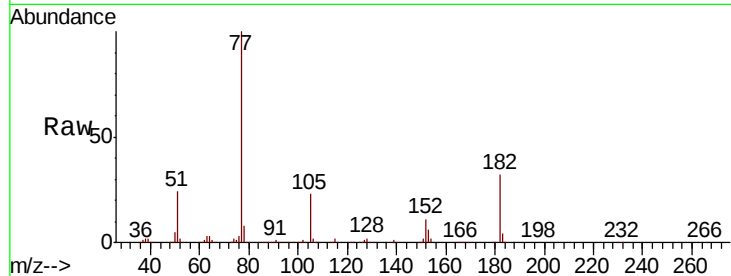




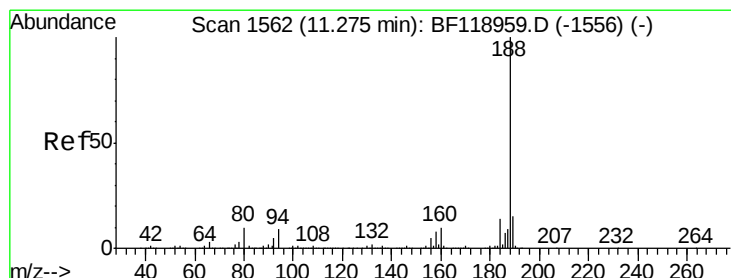
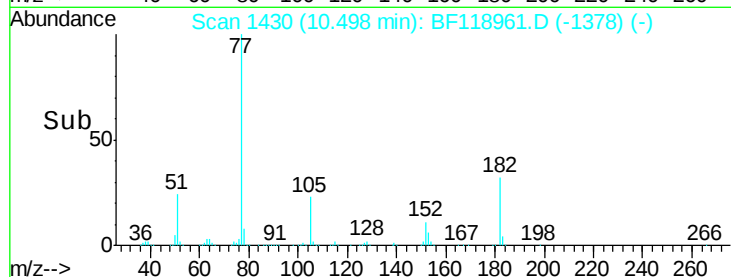
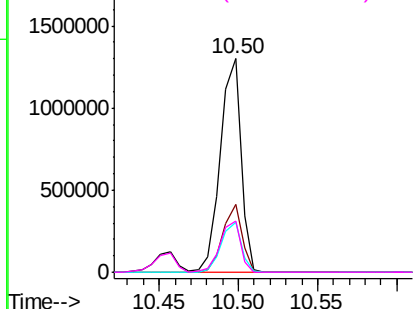
#63  
Azobenzene  
Concen: 59.910 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 1182943  
Ion Ratio Lower Upper  
77 100  
182 31.6 8.2 48.2  
105 23.5 2.3 42.3  
51 23.7 3.6 43.6

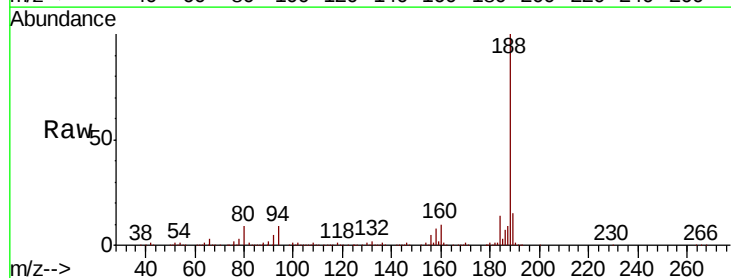


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

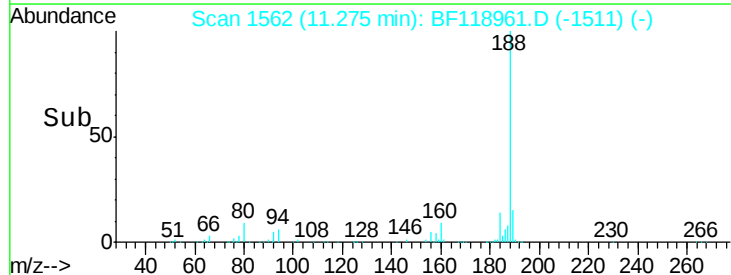
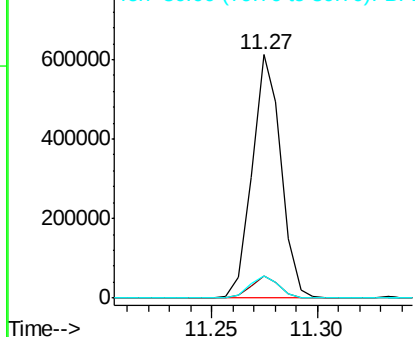


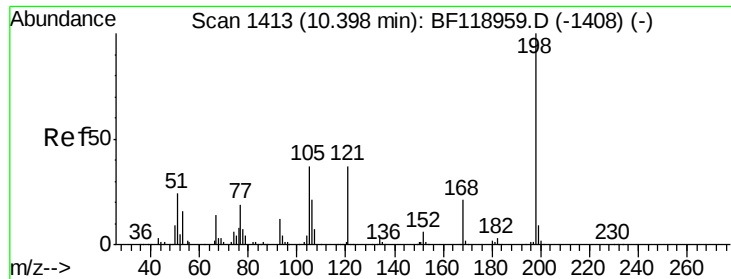
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion: 188 Resp: 580727  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.6  
80 9.3 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 63.623 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

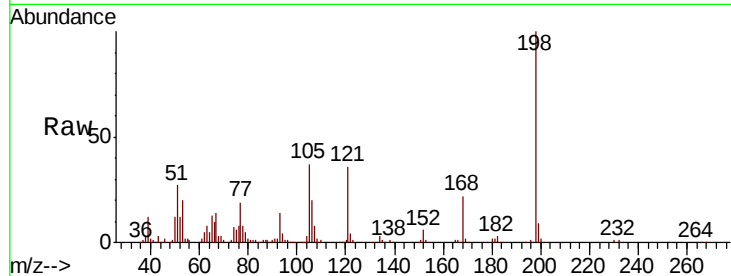
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:198 Resp: 227703

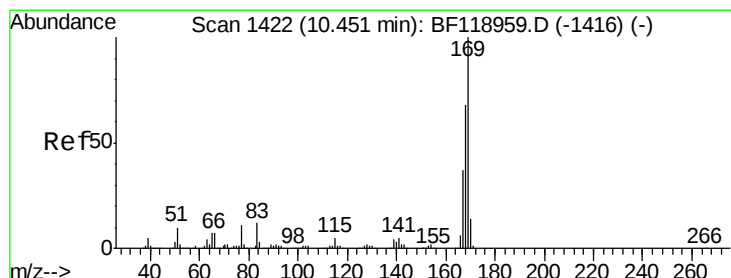
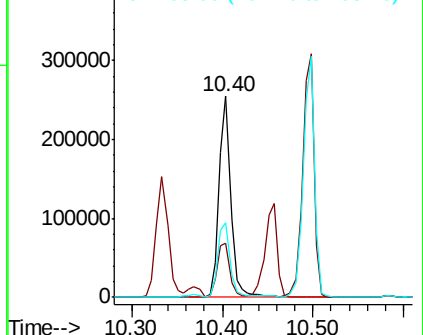
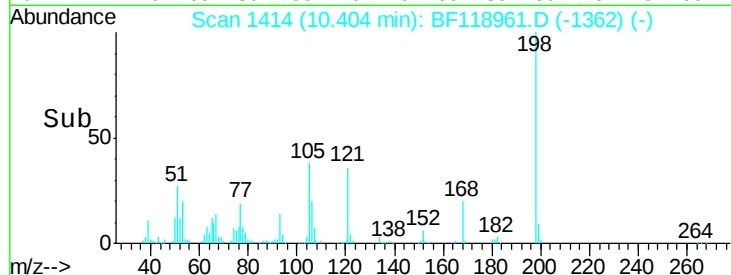
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 27.1  | 7.1   | 47.1  |
| 105 | 37.2  | 18.3  | 58.3  |



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: 60.719 ng

RT: 10.46 min Scan# 1423

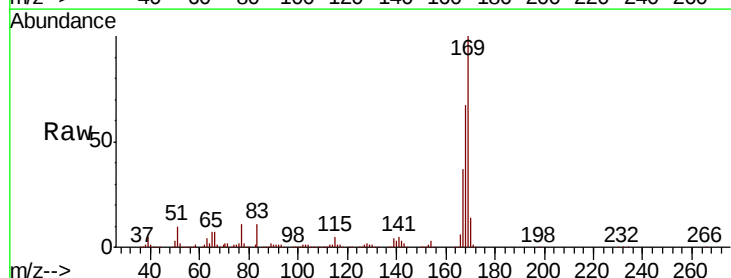
Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:169 Resp: 1116701

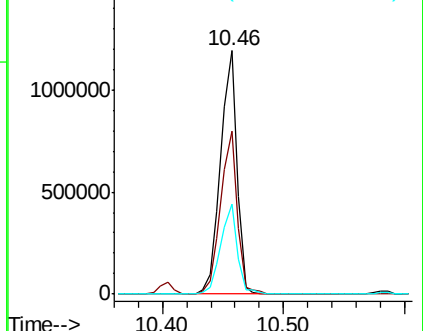
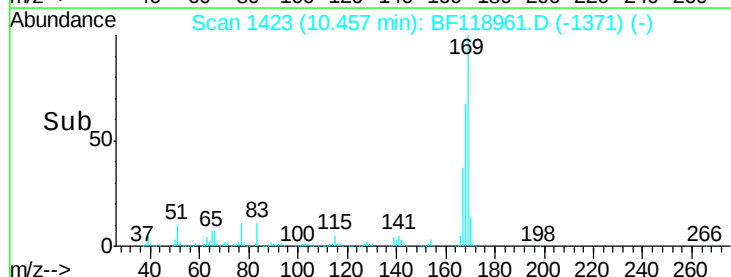
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 66.8  | 54.2  | 81.2  |
| 167 | 36.8  | 29.4  | 44.2  |

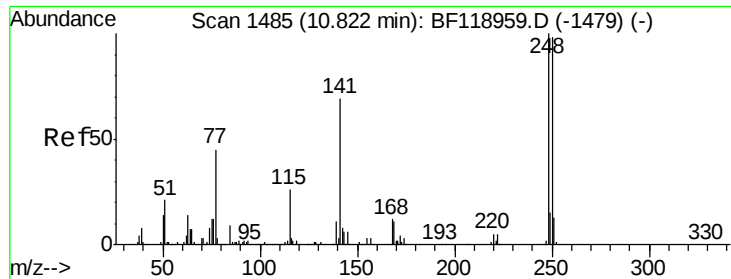


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

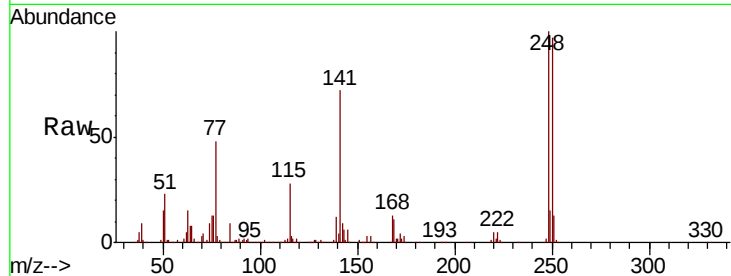




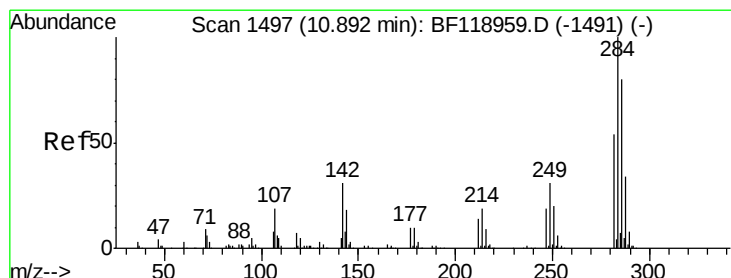
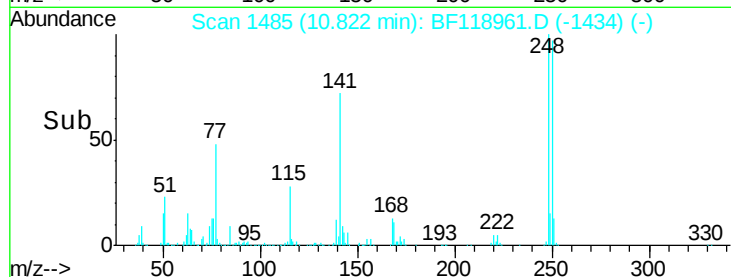
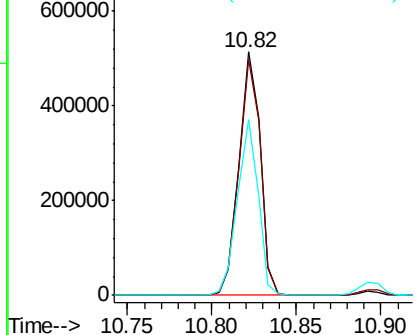
#67  
 4-Bromophenyl-phenylether  
 Concen: 60.833 ng  
 RT: 10.82 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 453530  
 Ion Ratio Lower Upper  
 248 100  
 250 97.1 78.8 118.2  
 141 72.4 55.3 82.9

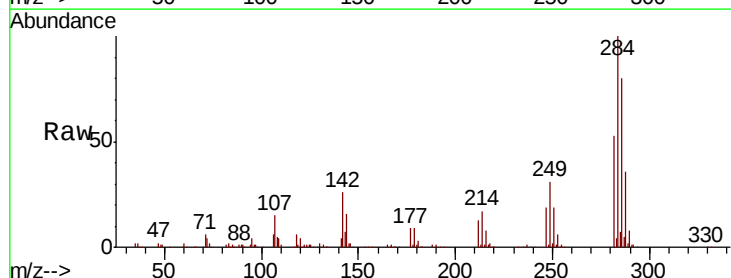


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

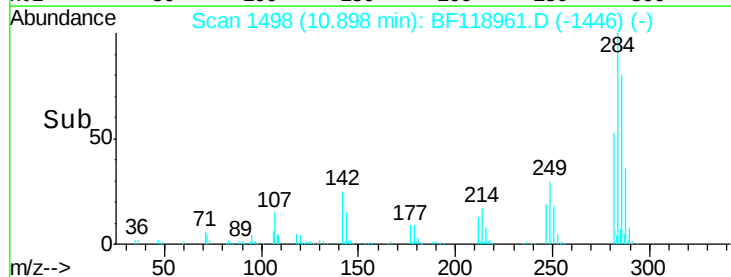
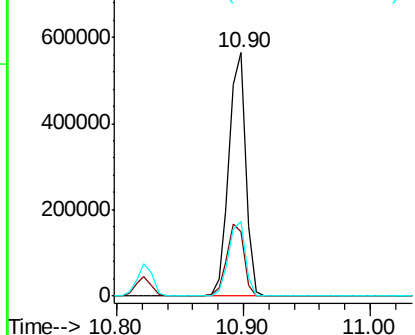


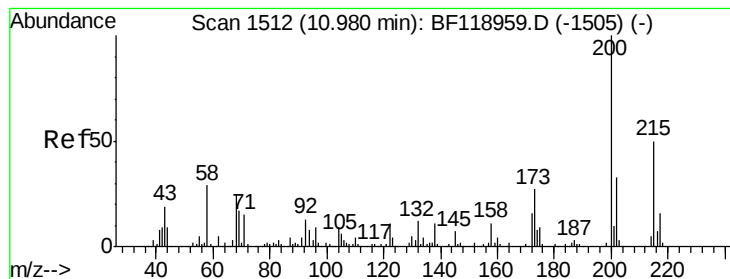
#68  
 Hexachlorobenzene  
 Concen: 60.919 ng  
 RT: 10.90 min Scan# 1498  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Tgt Ion:284 Resp: 519948  
 Ion Ratio Lower Upper  
 284 100  
 142 26.4 25.0 37.6  
 249 30.5 25.0 37.4



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: 63.910 ng

RT: 10.98 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampled :

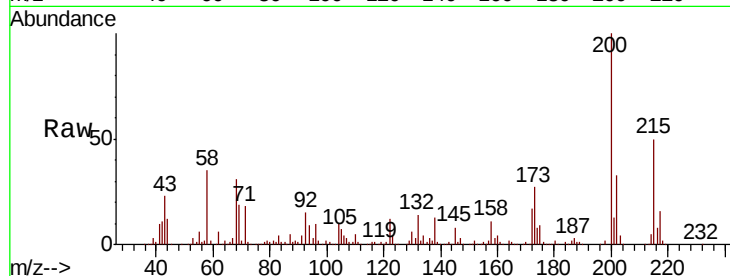
Tot Ion:200 Resp: 393415

Ion Ratio Lower Upper

200 100

173 27.3 6.9 46.9

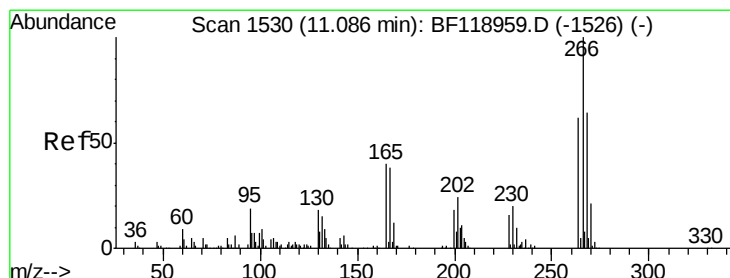
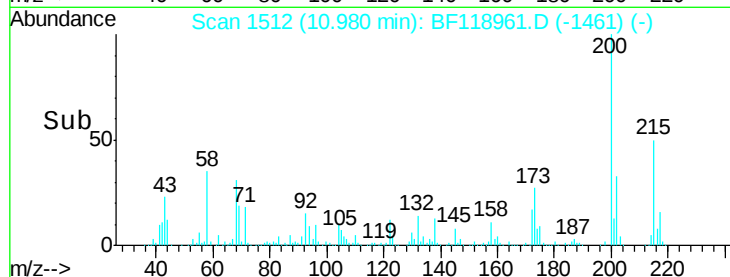
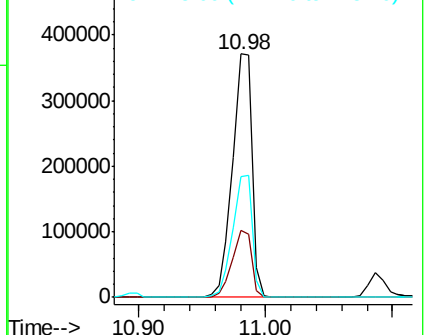
215 49.6 29.7 69.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 62.152 ng

RT: 11.09 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

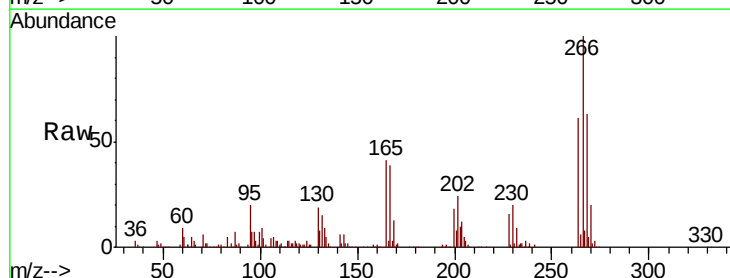
Tgt Ion:266 Resp: 227104

Ion Ratio Lower Upper

266 100

268 63.1 51.4 77.0

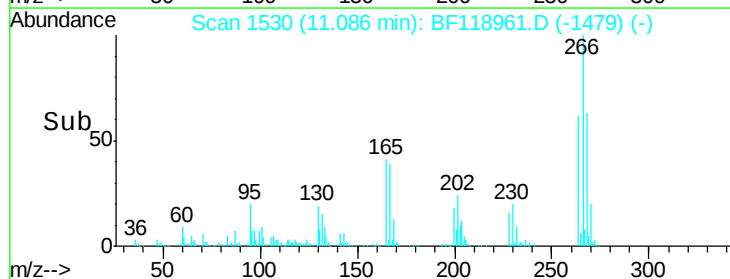
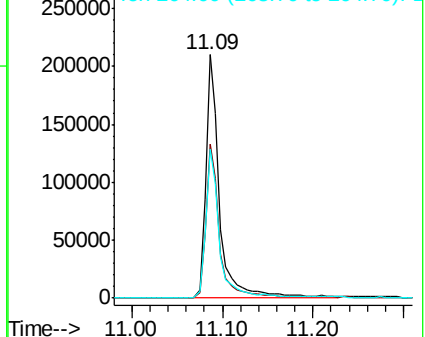
264 61.4 49.5 74.3

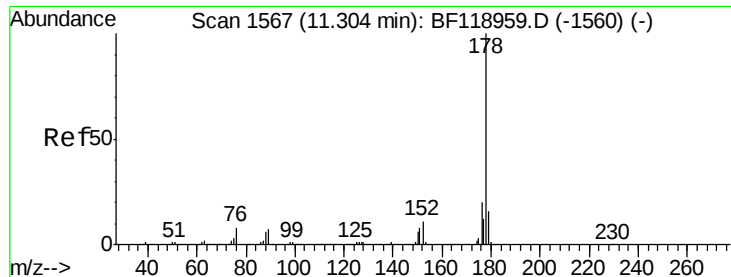


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 61.005 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

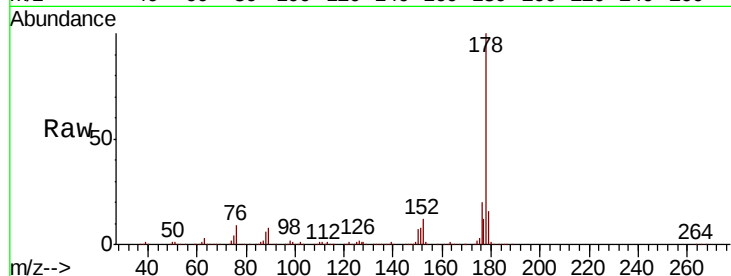
Tot Ion:178 Resp: 1860314

Ion Ratio Lower Upper

178 100

176 20.5 15.6 23.4

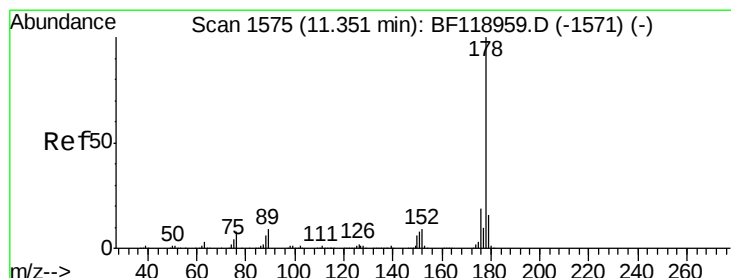
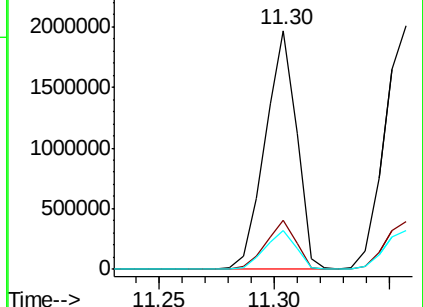
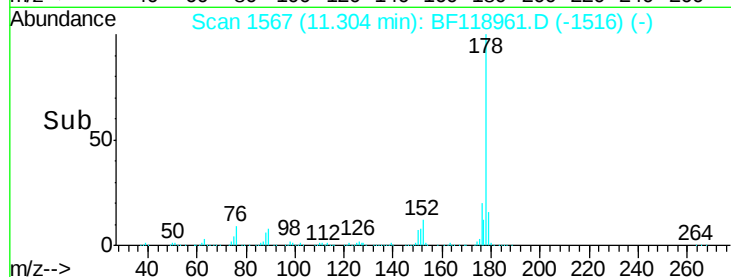
179 16.3 12.6 18.8



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: 60.363 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

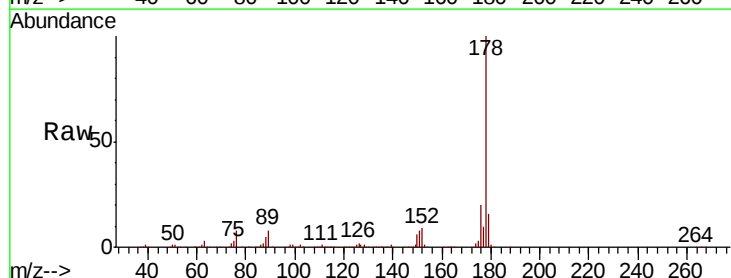
Tgt Ion:178 Resp: 1841697

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

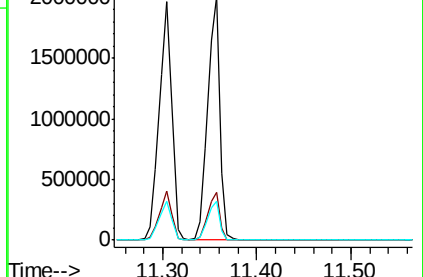
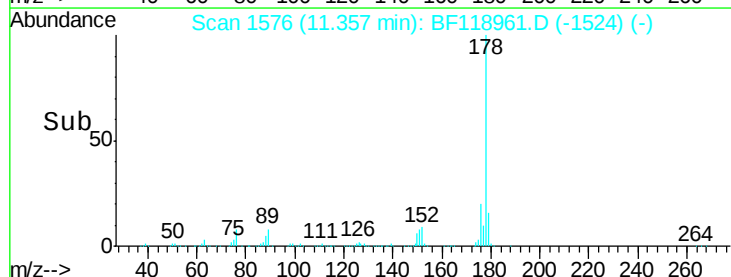
179 16.0 12.8 19.2

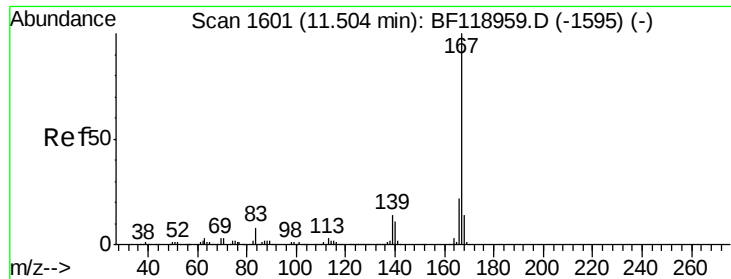


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

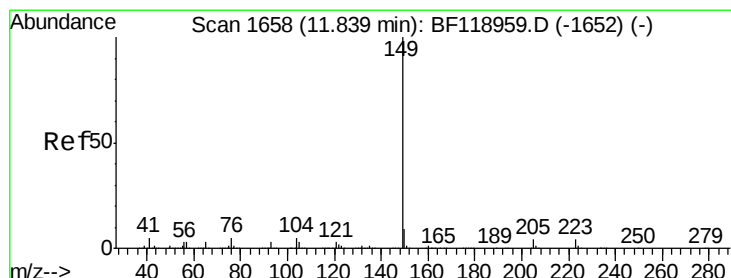
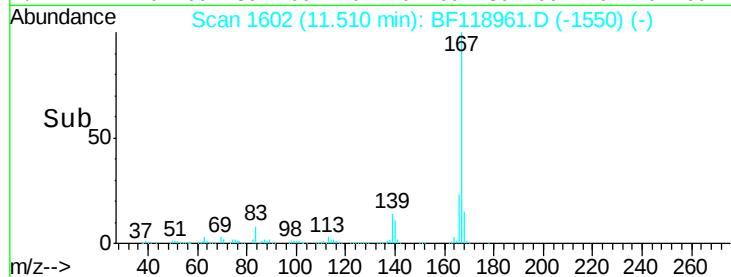
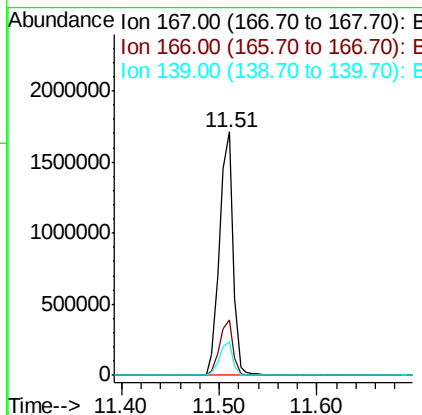
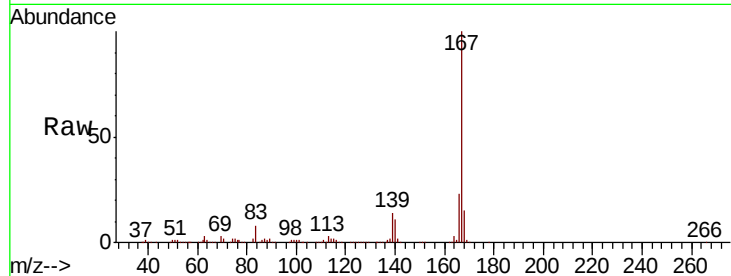




#73  
 Carbazole  
 Concen: 60.502 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

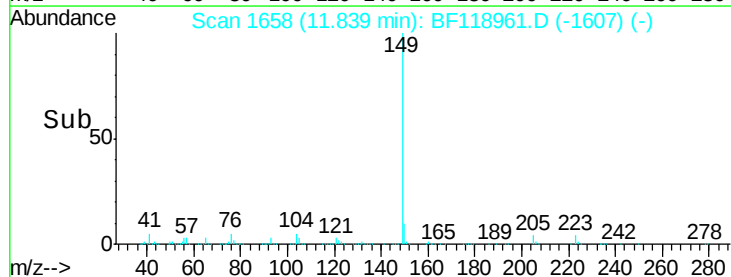
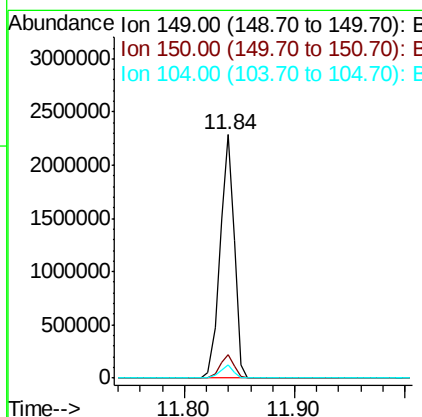
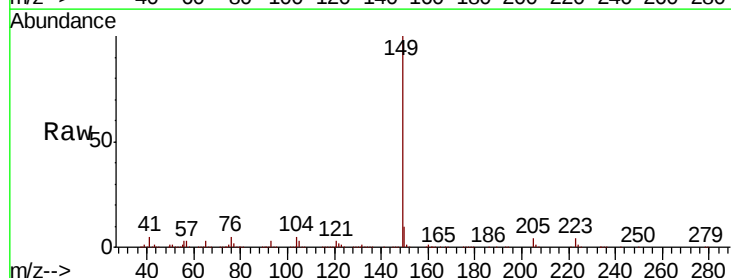
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:167 Resp: 1654549  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 17.8 26.6  
 139 13.9 11.2 16.8



#74  
 Di-n-butylphthalate  
 Concen: 58.364 ng  
 RT: 11.84 min Scan# 1658  
 Delta R.T. -0.00 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Tgt Ion:149 Resp: 2025084  
 Ion Ratio Lower Upper  
 149 100  
 150 9.9 7.5 11.3  
 104 5.3 4.0 6.0





#75

Fluoranthene

Concen: 58.214 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

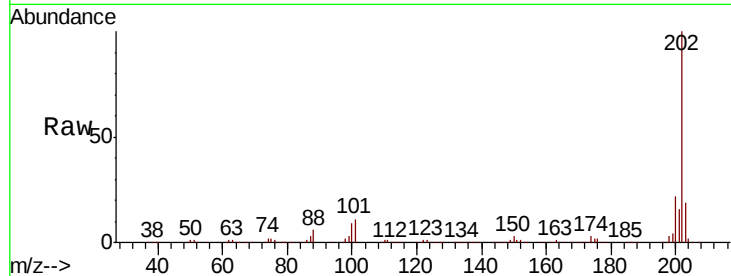
Instrument :

BNA\_F

ClientSampled :

Tot Ion:202 Resp: 1977481

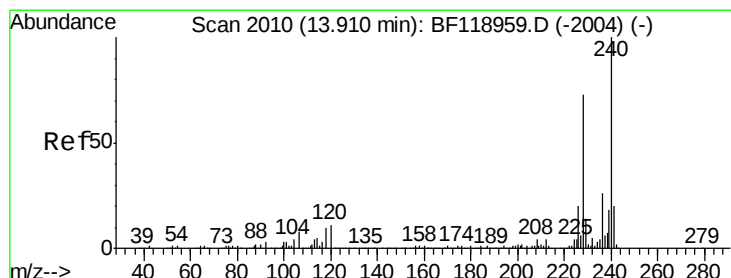
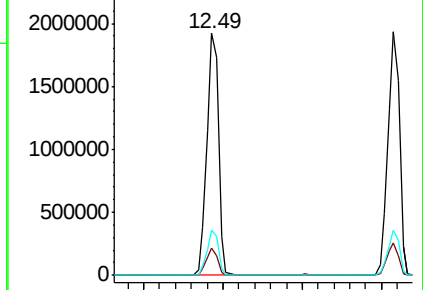
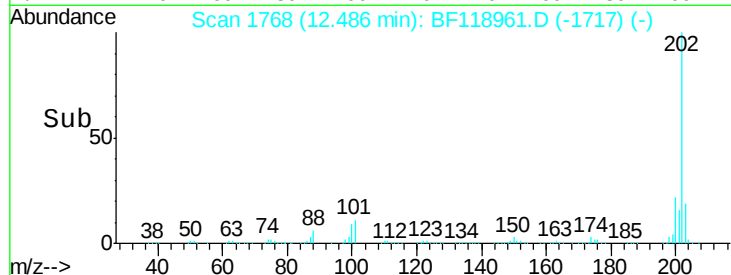
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.4  | 0.0   | 31.1  |
| 203 | 18.7  | 0.0   | 38.1  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2011

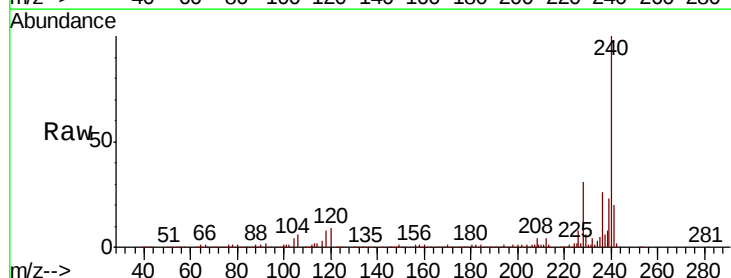
Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:240 Resp: 413094

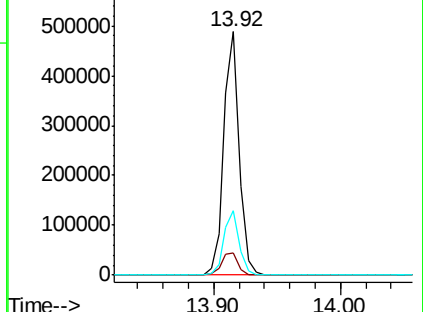
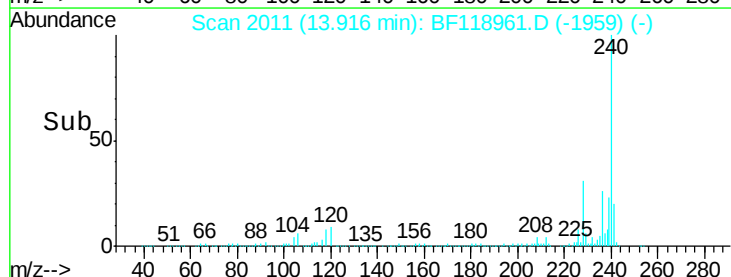
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 8.9   | 8.9   | 13.3  |
| 236 | 26.5  | 20.6  | 30.8  |

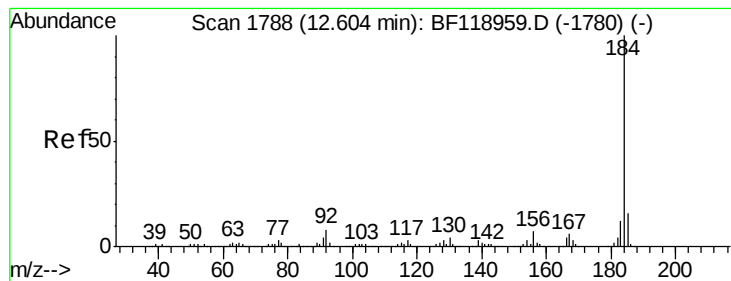


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 77.561 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

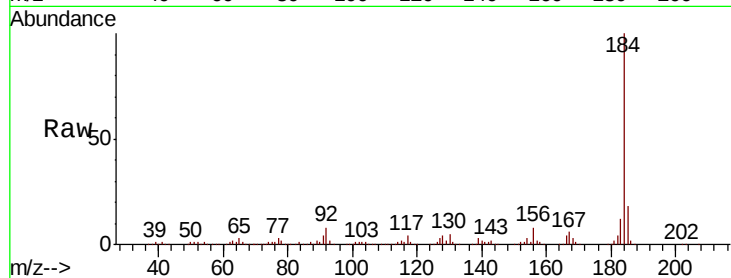
Tot Ion:184 Resp: 1025782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 18.4  | 12.6  | 19.0  |
| 183 | 12.3  | 9.9   | 14.9  |

184 100

185 18.4 12.6 19.0

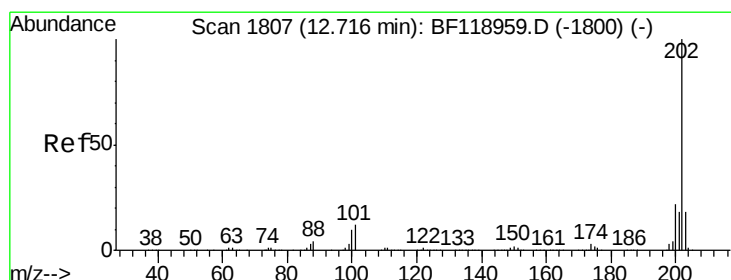
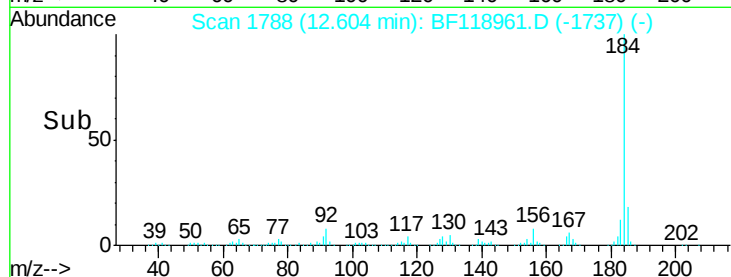
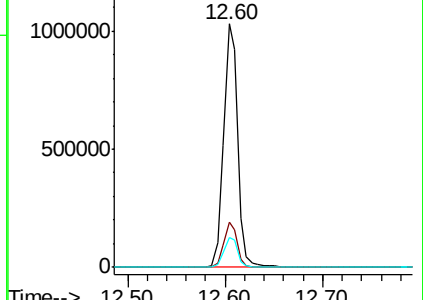
183 12.3 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 66.855 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

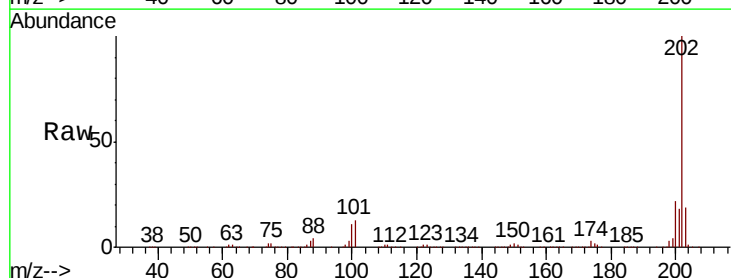
Tgt Ion:202 Resp: 1993022

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.5  | 17.4  | 26.0  |
| 203 | 18.7  | 14.5  | 21.7  |

202 100

200 22.5 17.4 26.0

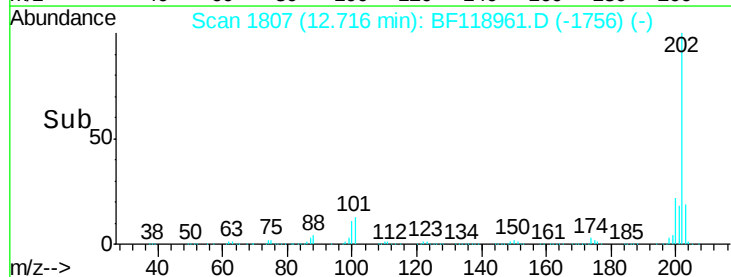
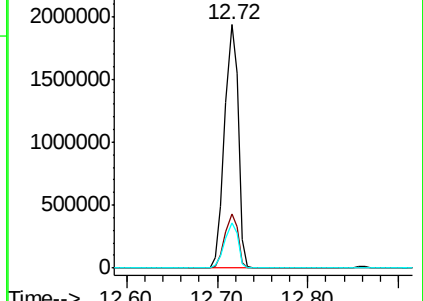
203 18.7 14.5 21.7

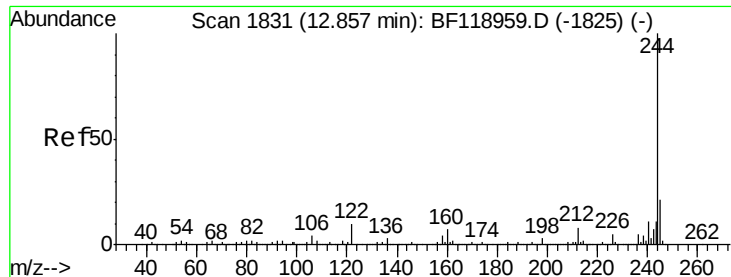


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

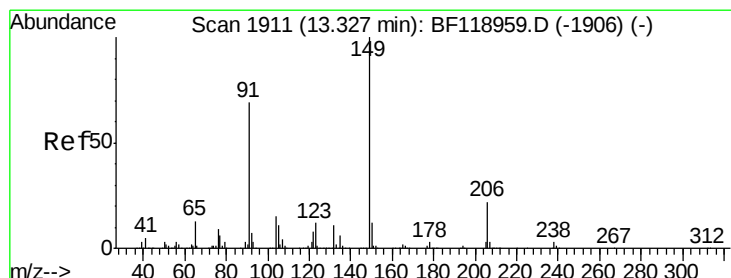
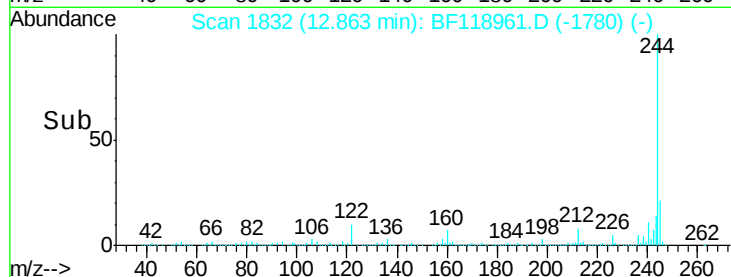
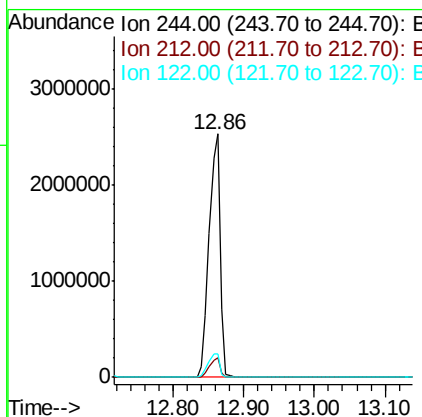
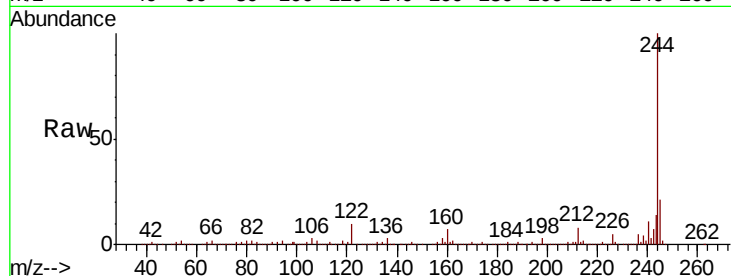




#79  
 Terphenyl-d14  
 Concen: 132.175 ng  
 RT: 12.86 min Scan# 1832  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

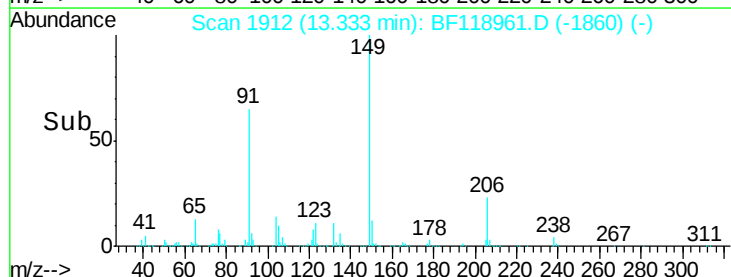
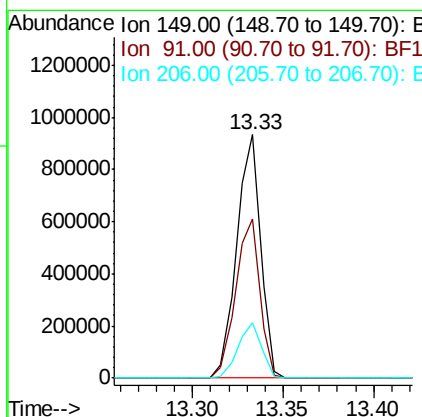
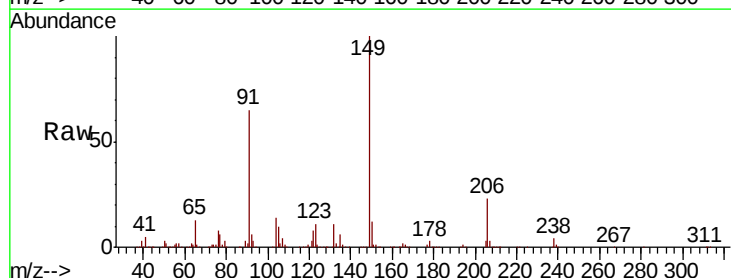
Instrument :  
 BNA\_F  
 ClientSampleId :

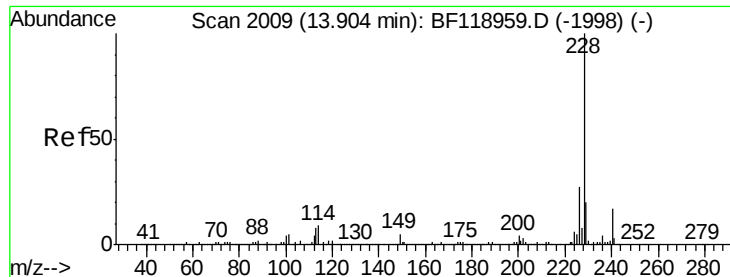
Tot Ion:244 Resp: 2774425  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.3 9.5  
 122 9.5 8.4 12.6



#80  
 Butylbenzylphthalate  
 Concen: 65.594 ng  
 RT: 13.33 min Scan# 1912  
 Delta R.T. 0.01 min  
 Lab File: BF118961.D  
 Acq: 20 Feb 2020 15:24

Tgt Ion:149 Resp: 856886  
 Ion Ratio Lower Upper  
 149 100  
 91 65.3 55.4 83.2  
 206 23.0 17.7 26.5





#81

Benzo(a)anthracene

Concen: 65.490 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

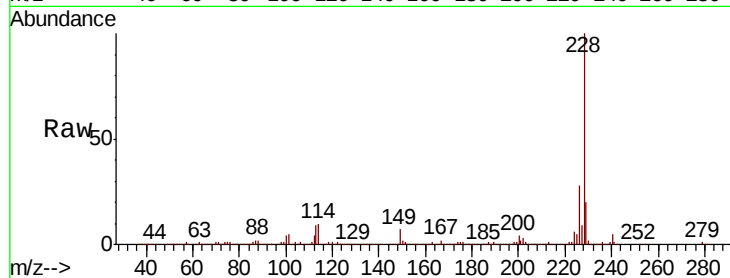
Tot Ion:228 Resp: 1657839

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

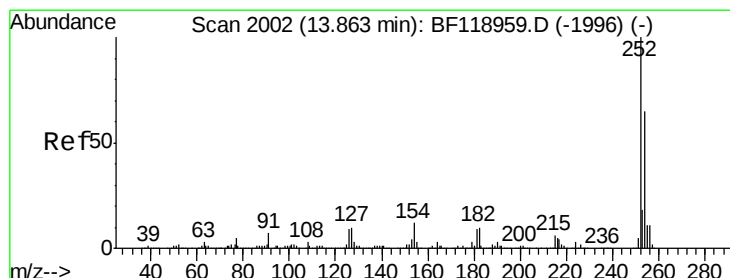
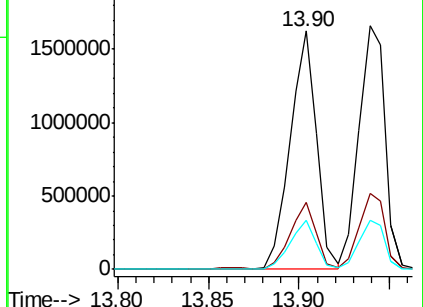
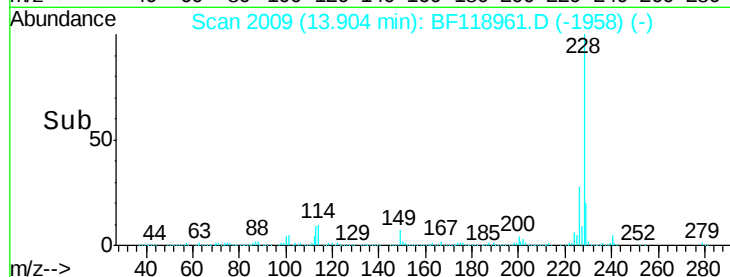
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 66.343 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

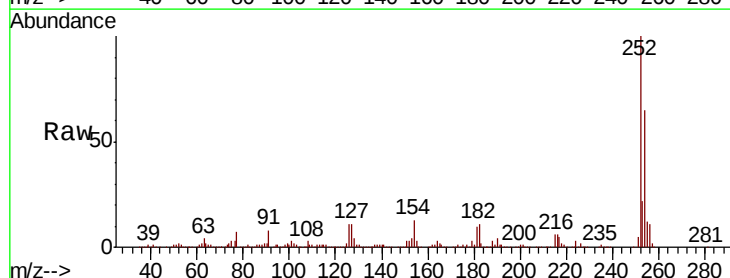
Tgt Ion:252 Resp: 653490

Ion Ratio Lower Upper

252 100

254 65.3 52.1 78.1

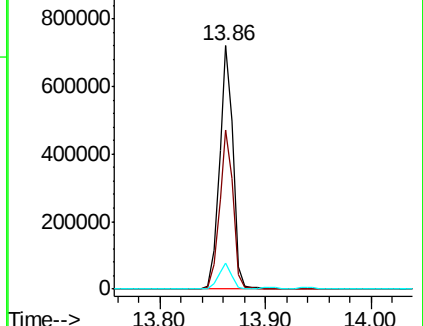
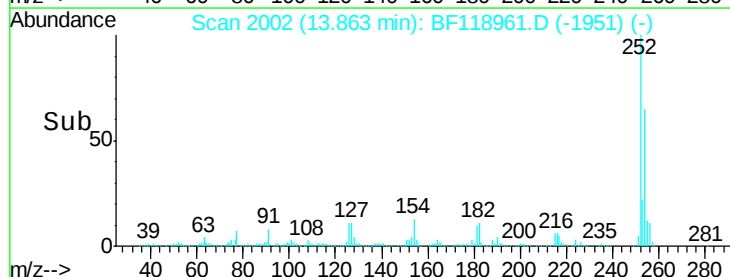
126 10.7 7.3 10.9

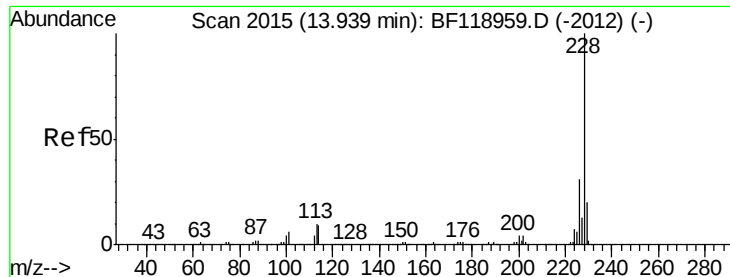


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 65.907 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

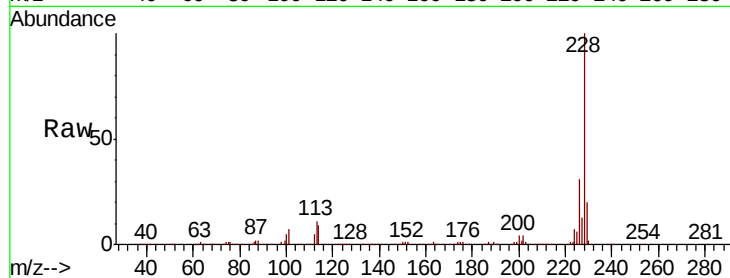
Tot Ion:228 Resp: 1672600

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

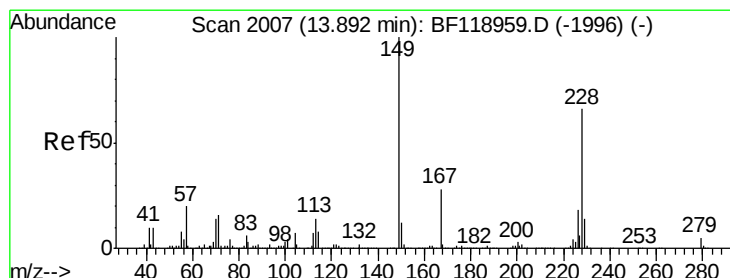
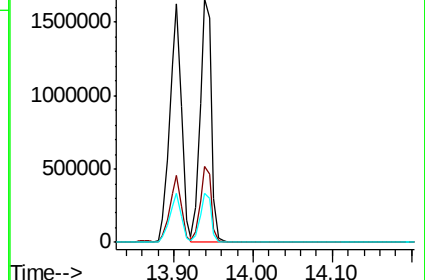
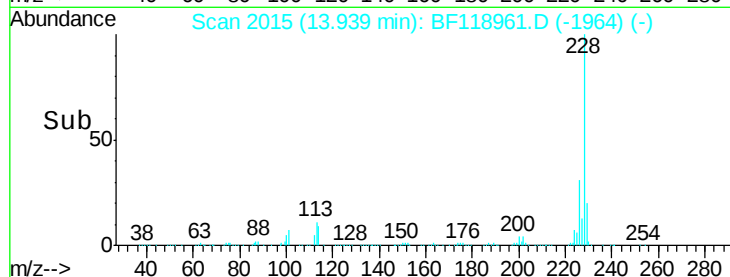
229 20.2 16.2 24.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.575 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

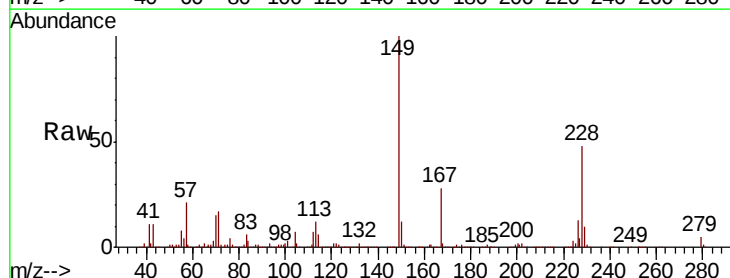
Tgt Ion:149 Resp: 1035833

Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

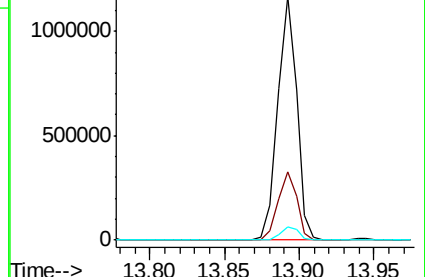
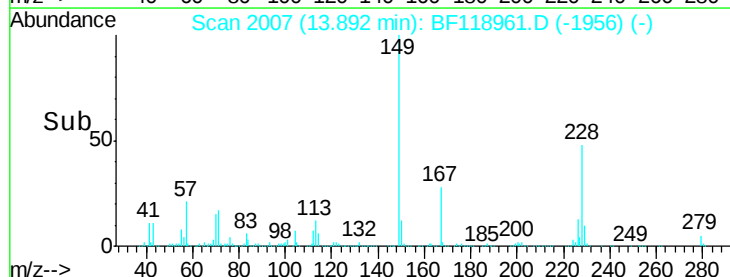
279 5.4 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

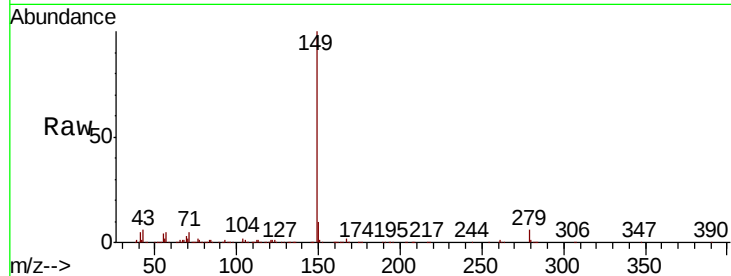




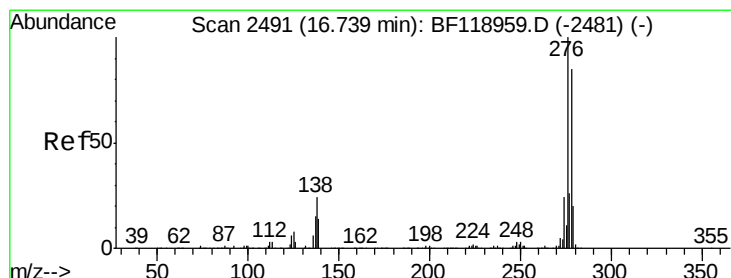
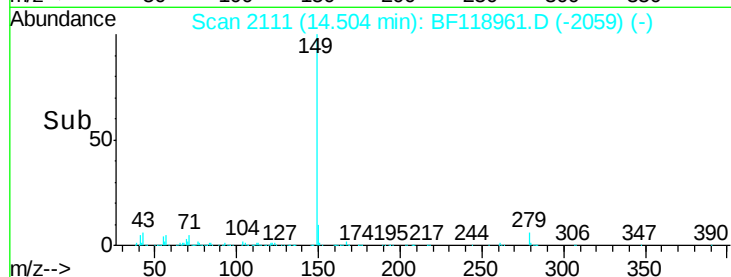
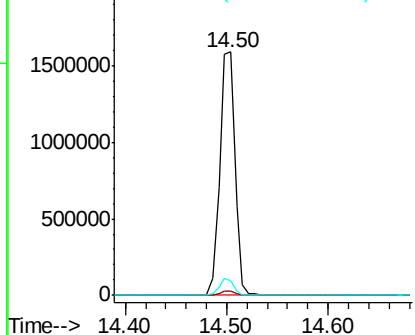
#85  
Di-n-octyl phthalate  
Concen: 61.925 ng  
RT: 14.50 min Scan# 2111  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 1652621  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 6.5 5.2 7.8

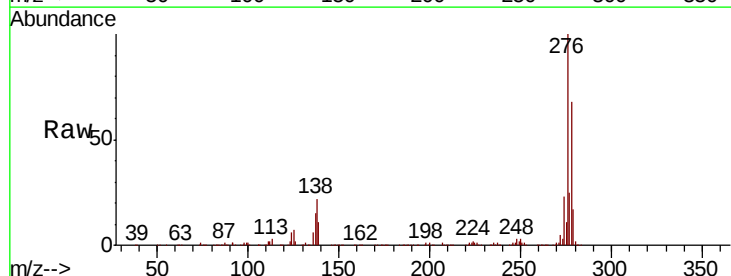


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

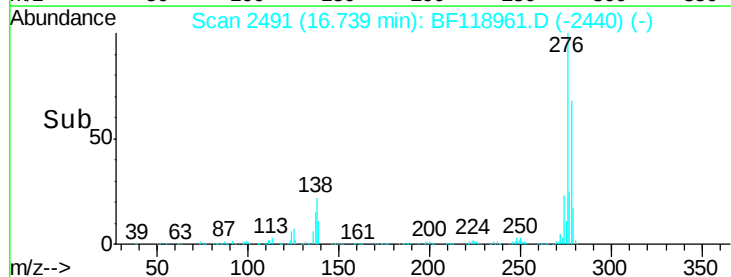
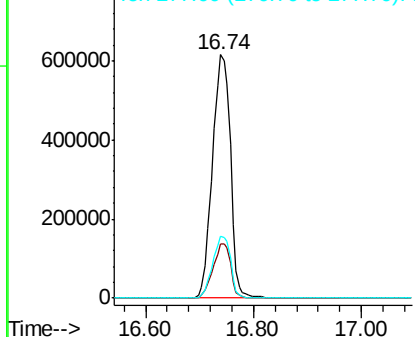


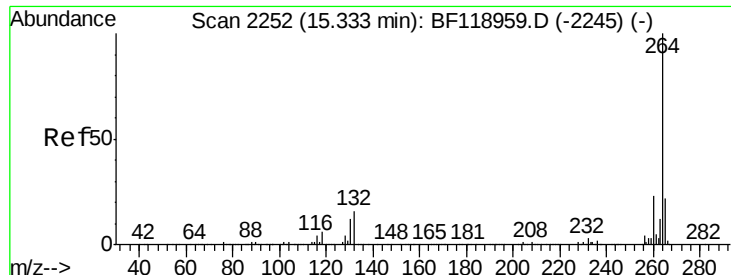
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 57.414 ng  
RT: 16.74 min Scan# 2491  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:276 Resp: 1433999  
Ion Ratio Lower Upper  
276 100  
138 21.9 18.7 28.1  
277 25.2 20.3 30.5



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: 15.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Instrument :

BNA\_F

ClientSampleId :

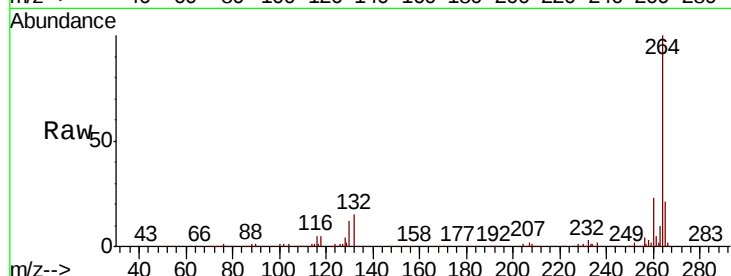
Tot Ion:264 Resp: 374575

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

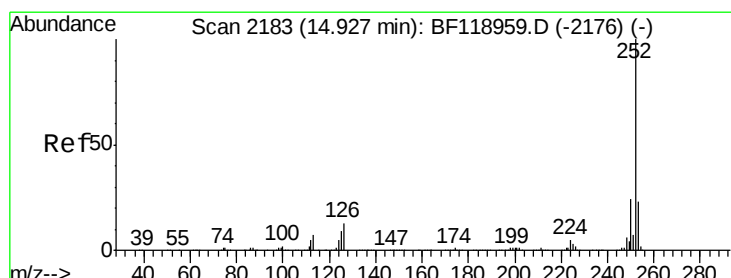
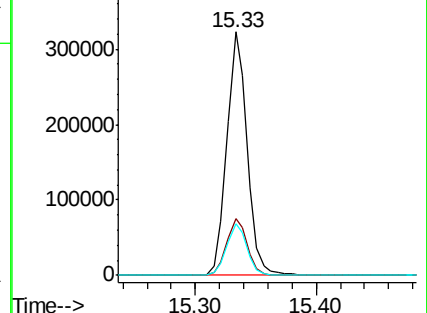
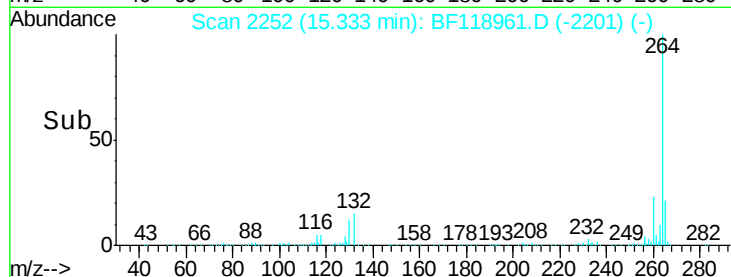
265 21.4 17.3 25.9



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: 64.062 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

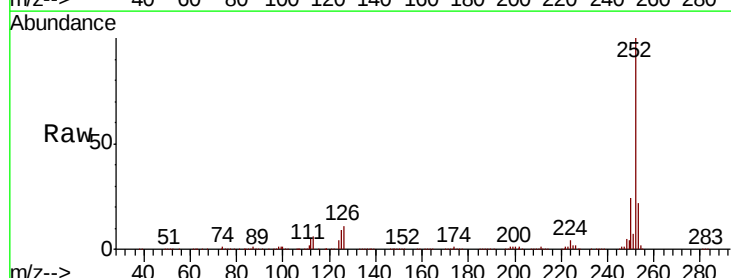
Tgt Ion:252 Resp: 1617632

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

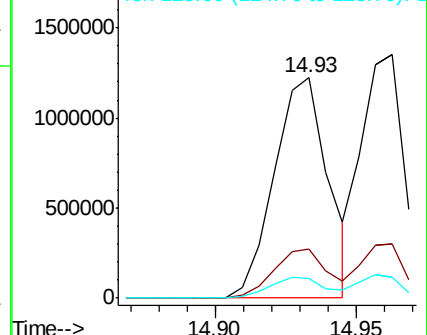
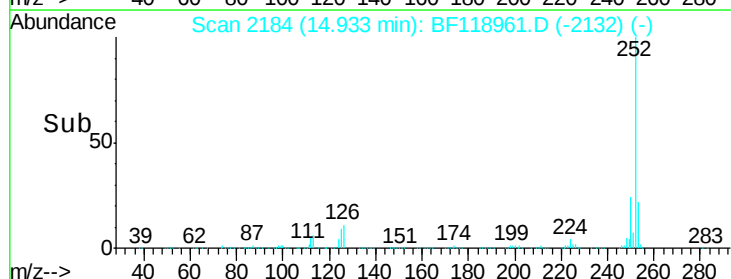
125 8.7 7.4 11.0

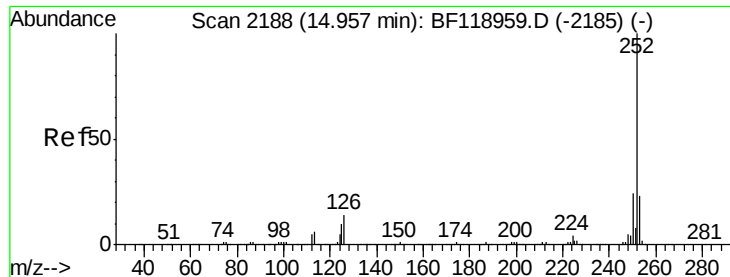


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

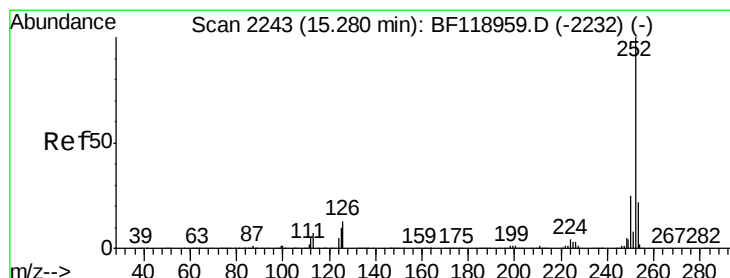
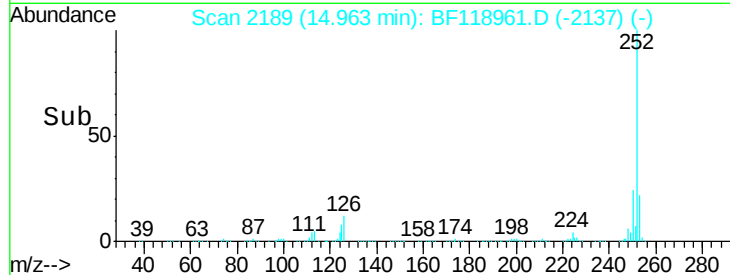
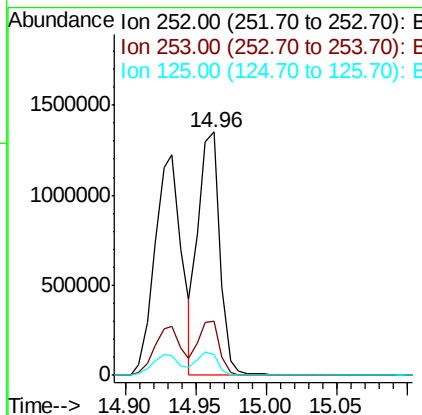
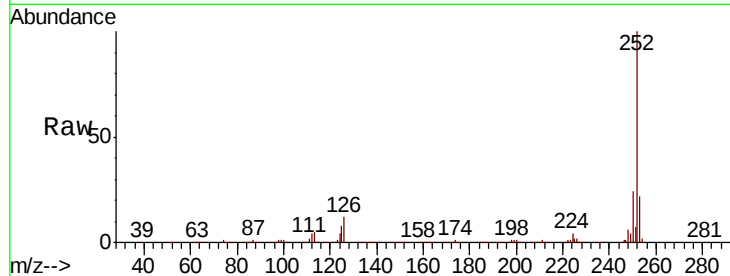




#89  
Benzo(k)fluoranthene  
Concen: 63.901 ng  
RT: 14.96 min Scan# 2189  
Delta R.T. 0.01 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

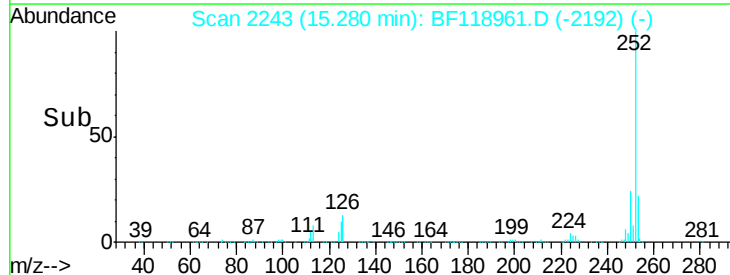
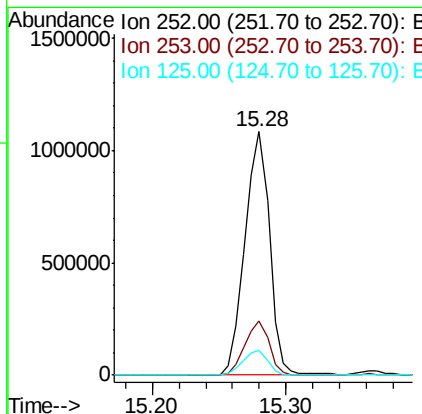
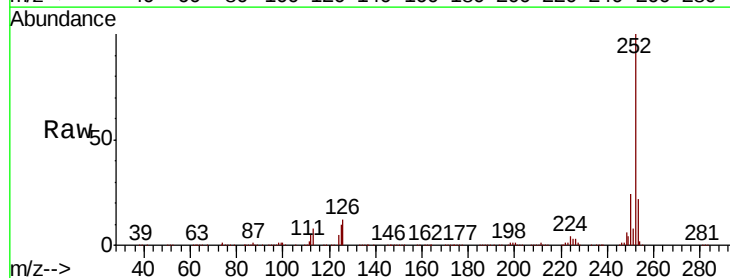
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 1433912  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 8.4 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 63.261 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. -0.00 min  
Lab File: BF118961.D  
Acq: 20 Feb 2020 15:24

Tgt Ion:252 Resp: 1376272  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.9 26.9  
125 10.0 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 59.071 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

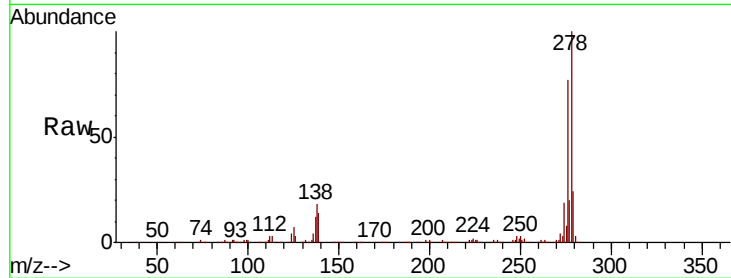
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 1164727

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.3  | 12.6  | 18.8  |
| 279 | 23.9  | 19.0  | 28.6  |

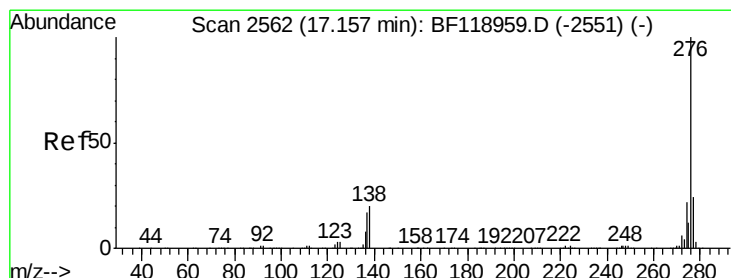
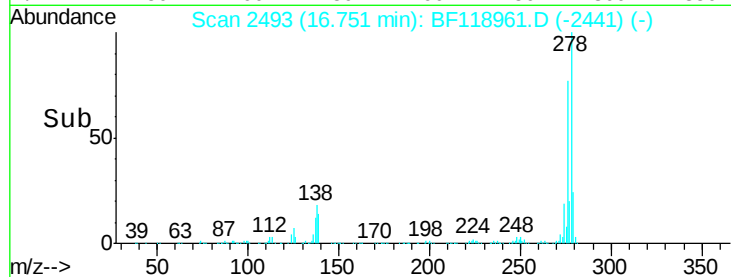
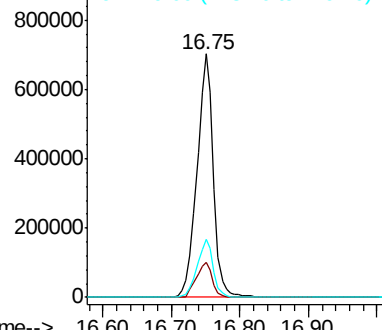


Abundance

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: 59.347 ng

RT: 17.16 min Scan# 2563

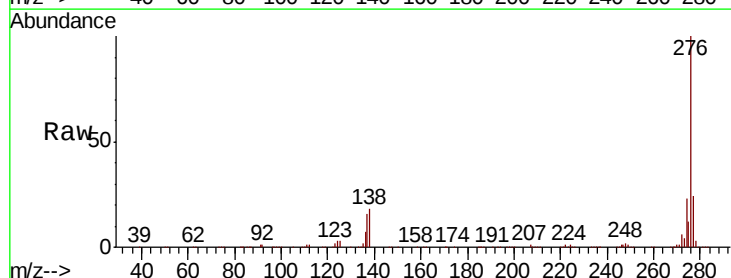
Delta R.T. 0.01 min

Lab File: BF118961.D

Acq: 20 Feb 2020 15:24

Tgt Ion:276 Resp: 1154552

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 19.2  | 28.8  |
| 138 | 18.4  | 16.2  | 24.4  |



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

