

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\  
 Data File : BF117195.D  
 Acq On : 20 Sep 2019 19:36  
 Operator : HP/JU  
 Sample : PB123268BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 20 23:01:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 38761    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 173442   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.86  | 164  | 92818    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.35 | 188  | 150621   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 13.99 | 240  | 99449    | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.43 | 264  | 63464    | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.46  | 112  | 279043   | 112.40 | ng    | 0.02     |
| 7) Phenol-d6                | 6.47  | 99   | 357383   | 111.39 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 219792   | 66.58  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 94384    | 121.67 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 434084   | 73.12  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 417315   | 78.44  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88   | 36927    | 35.545 | ng    | 96     |
| 3) Pyridine                    | 3.44 | 79   | 78100    | 27.466 | ng    | 94     |
| 4) n-Nitrosodimethylamine      | 3.39 | 42   | 44666    | 45.773 | ng    | # 68   |
| 6) Aniline                     | 6.49 | 93   | 124522   | 30.143 | ng    | 90     |
| 8) 2-Chlorophenol              | 6.61 | 128  | 118553   | 44.264 | ng    | 99     |
| 9) Benzaldehyde                | 6.37 | 77   | 64786    | 40.538 | ng    | 95     |
| 10) Phenol                     | 6.48 | 94   | 152432   | 43.095 | ng    | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93   | 112373   | 43.226 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146  | 118490   | 39.425 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146  | 126606   | 41.279 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146  | 116552   | 40.815 | ng    | 98     |
| 15) Benzyl Alcohol             | 6.97 | 79   | 111322   | 45.244 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45   | 101444   | 39.497 | ng    | 76     |
| 17) 2-Methylphenol             | 7.08 | 107  | 99544    | 44.346 | ng    | # 89   |
| 18) Hexachloroethane           | 7.33 | 117  | 50410    | 42.723 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70   | 91592    | 46.880 | ng    | 92     |
| 20) 3+4-Methylphenols          | 7.23 | 107  | 129477   | 46.308 | ng    | # 88   |
| 22) Acetophenone               | 7.23 | 105  | 184076   | 41.773 | ng    | # 94   |
| 24) Nitrobenzene               | 7.40 | 77   | 133041   | 40.812 | ng    | 98     |
| 25) Isophorone                 | 7.65 | 82   | 247252   | 42.304 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.72 | 139  | 60421    | 43.151 | ng    | 92     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122  | 104493   | 47.059 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93   | 142225   | 39.496 | ng    | 96     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162  | 100383   | 43.145 | ng    | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.05 | 180  | 98972    | 39.374 | ng    | 99     |
| 31) Naphthalene                | 8.12 | 128  | 342700   | 41.084 | ng    | 100    |
| 32) Benzoic acid               | 7.92 | 122  | 57959    | 36.414 | ng    | 95     |
| 33) 4-Chloroaniline            | 8.17 | 127  | 84281    | 22.780 | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.24 | 225  | 59905    | 42.006 | ng    | 97     |
| 35) Caprolactam                | 8.56 | 113  | 14575    | 18.508 | ng    | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107  | 117409   | 43.278 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 8.82 | 142  | 242344   | 43.144 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 8.92 | 142  | 223831   | 42.546 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216  | 99580    | 41.547 | ng    | 97     |

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 Data File : BF117195.D  
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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

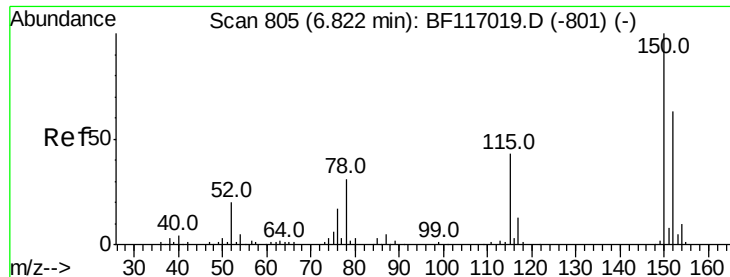
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 20 23:01:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 82607    | 78.171 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.10  | 196  | 66071    | 40.620 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.15  | 196  | 70876    | 40.784 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.28  | 154  | 294295   | 40.421 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 231486   | 40.287 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.40  | 65   | 71348    | 38.712 | ng    | 91       |
| 49) Acenaphthylene             | 9.72  | 152  | 349771   | 40.634 | ng    | 100      |
| 50) Dimethylphthalate          | 9.58  | 163  | 273250   | 41.578 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.65  | 165  | 57410    | 42.891 | ng    | # 82     |
| 52) Acenaphthene               | 9.89  | 154  | 205915   | 40.355 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.82  | 138  | 40486    | 23.974 | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 45721    | 79.210 | ng    | 96       |
| 55) Dibenzofuran               | 10.06 | 168  | 322500   | 42.837 | ng    | 97       |
| 56) 4-Nitrophenol              | 9.99  | 139  | 74063    | 67.667 | ng    | # 82     |
| 57) 2,4-Dinitrotoluene         | 10.06 | 165  | 75559    | 43.488 | ng    | # 84     |
| 58) Fluorene                   | 10.41 | 166  | 262360   | 43.262 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.19 | 232  | 54354    | 40.872 | ng    | # 93     |
| 60) Diethylphthalate           | 10.28 | 149  | 286970   | 44.384 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 120258   | 45.832 | ng    | 93       |
| 62) 4-Nitroaniline             | 10.44 | 138  | 59666    | 33.973 | ng    | 87       |
| 63) Azobenzene                 | 10.56 | 77   | 288991   | 43.763 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 32172    | 47.039 | ng    | 85       |
| 66) n-Nitrosodiphenylamine     | 10.52 | 169  | 227653   | 43.764 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.89 | 248  | 66335    | 43.125 | ng    | 95       |
| 68) Hexachlorobenzene          | 10.96 | 284  | 70772    | 42.065 | ng    | 92       |
| 69) Atrazine                   | 11.05 | 200  | 61238    | 48.236 | ng    | 100      |
| 70) Pentachlorophenol          | 11.16 | 266  | 67291    | 85.326 | ng    | 98       |
| 71) Phenanthrene               | 11.37 | 178  | 357121   | 41.743 | ng    | 99       |
| 72) Anthracene                 | 11.42 | 178  | 365674   | 41.867 | ng    | 99       |
| 73) Carbazole                  | 11.57 | 167  | 321572   | 38.788 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 462705   | 46.909 | ng    | 99       |
| 75) Fluoranthene               | 12.56 | 202  | 350513   | 39.874 | ng    | 97       |
| 77) Benzidine                  | 12.67 | 184  | 89037    | 27.794 | ng    | 97       |
| 78) Pyrene                     | 12.79 | 202  | 347503   | 41.644 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 178148   | 45.182 | ng    | 99       |
| 81) Benzo(a)anthracene         | 13.97 | 228  | 265227   | 39.918 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 74731    | 34.903 | ng    | 98       |
| 83) Chrysene                   | 14.01 | 228  | 251153   | 38.756 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 265705   | 52.265 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 408482   | 51.050 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.89 | 276  | 172588   | 36.505 | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.02 | 252  | 198051   | 51.519 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.04 | 252  | 193485   | 53.133 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.37 | 252  | 175817   | 52.119 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.89 | 278  | 145584   | 54.174 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.32 | 276  | 133488   | 49.848 | ng    | # 94     |

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



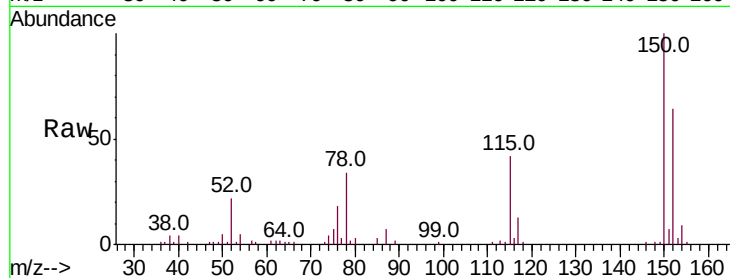


#1

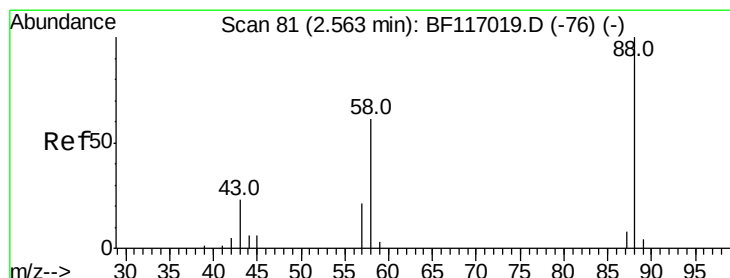
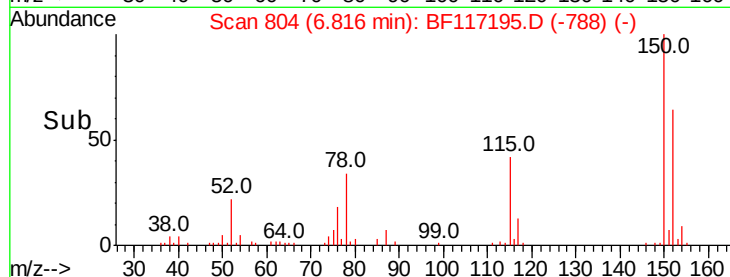
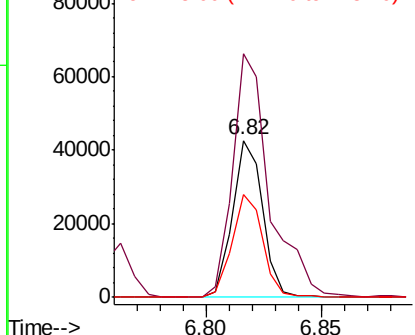
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 38761  
Ion Ratio Lower Upper  
152 100  
150 155.2 127.5 191.3  
115 65.4 55.0 82.4



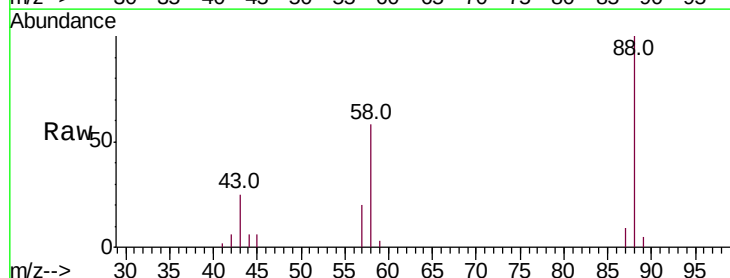
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



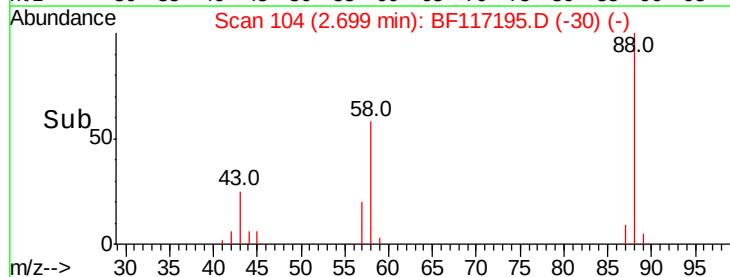
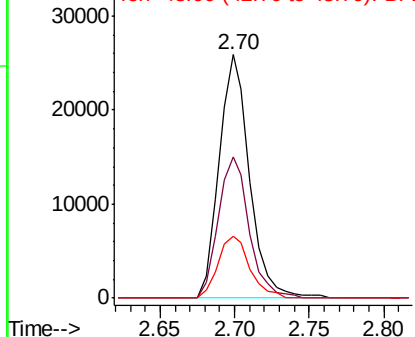
#2

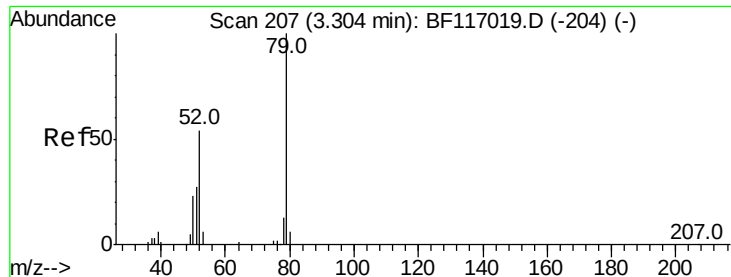
1,4-Dioxane  
Concen: 35.545 ng  
RT: 2.70 min Scan# 104  
Delta R.T. 0.14 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion: 88 Resp: 36927  
Ion Ratio Lower Upper  
88 100  
58 58.8 49.3 73.9  
43 26.6 18.8 28.2



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: 27.466 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.14 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampled :

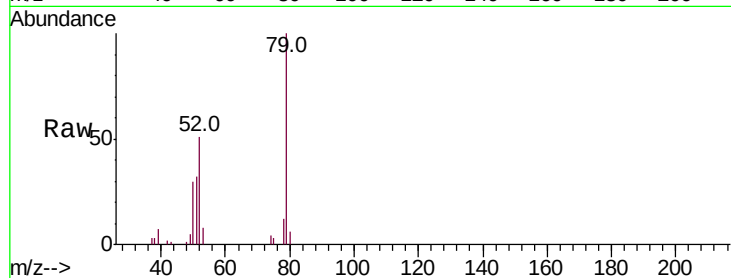
Tot Ion: 79 Resp: 78100

Ion Ratio Lower Upper

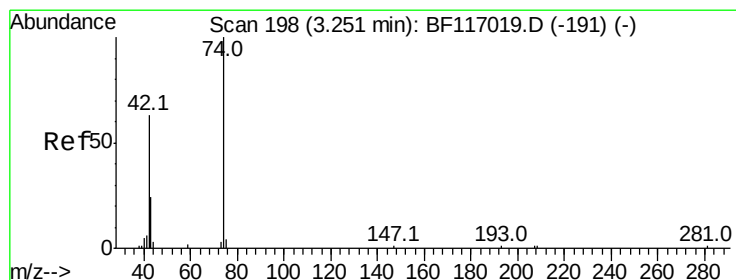
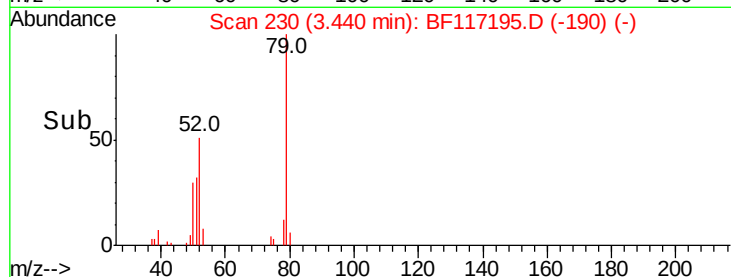
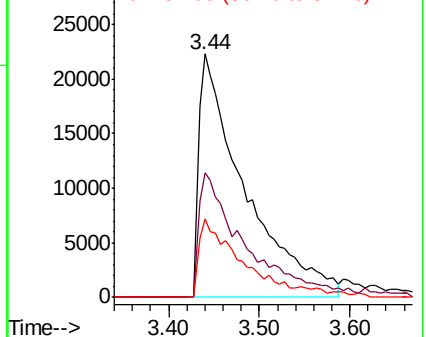
79 100

52 51.1 43.5 65.3

51 32.1 21.8 32.6



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: 45.773 ng

RT: 3.39 min Scan# 221

Delta R.T. 0.14 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

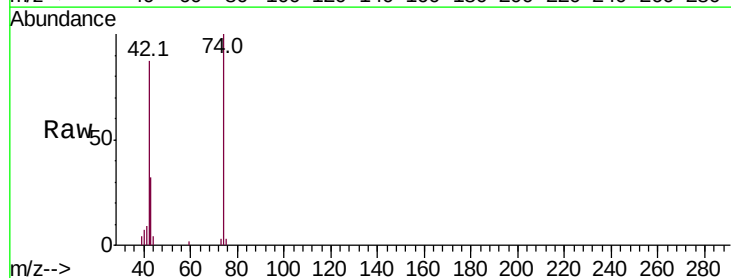
Tgt Ion: 42 Resp: 44666

Ion Ratio Lower Upper

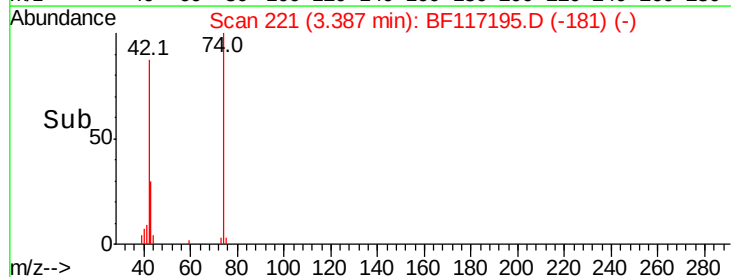
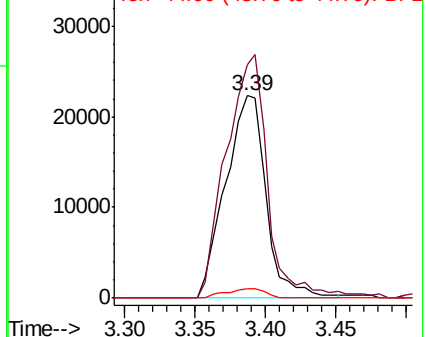
42 100

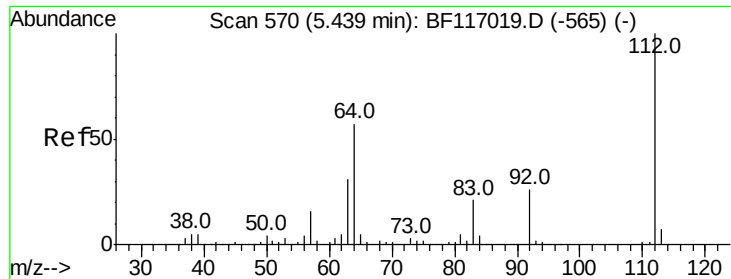
74 115.4 127.1 190.7#

44 4.7 4.3 6.5



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: 112.395 ng

RT: 5.46 min Scan# 573

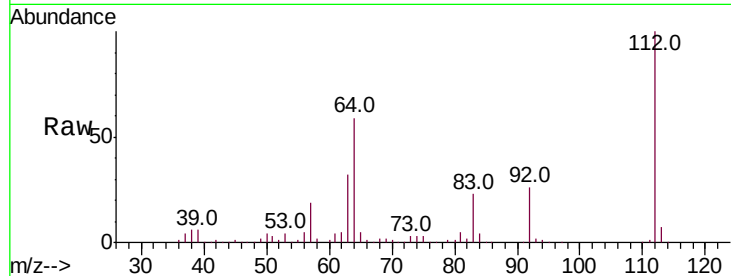
Delta R.T. 0.02 min

Lab File: BF117195.D

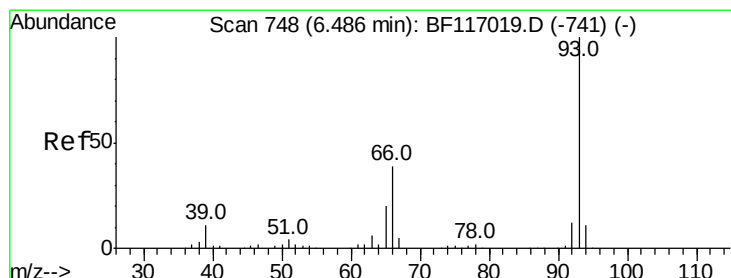
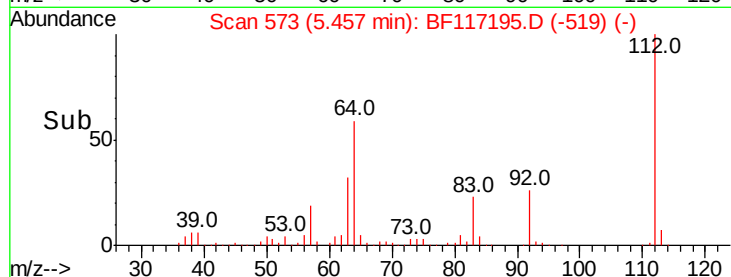
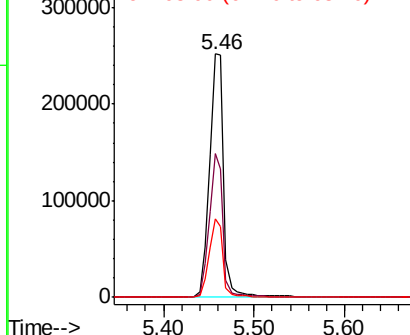
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 279043 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 58.9  | 45.7  | 68.5   |
| 63       | 32.4  | 24.9  | 37.3   |



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: 30.143 ng

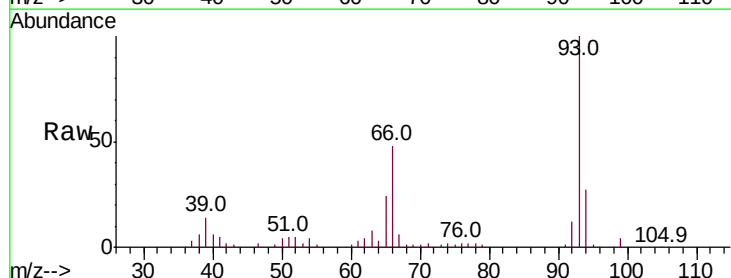
RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

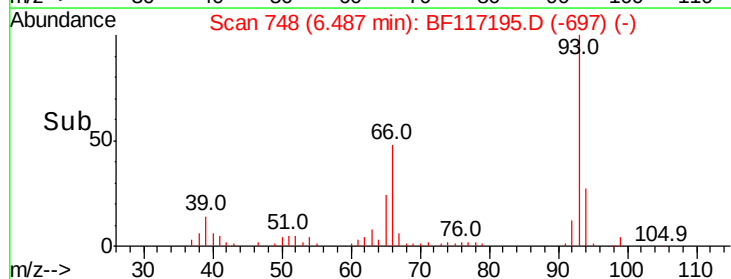
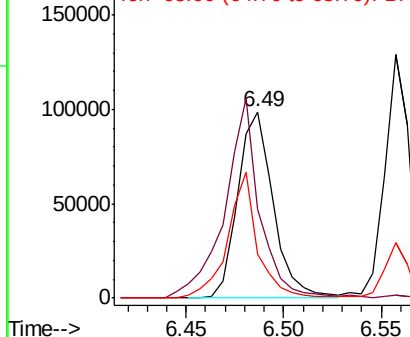
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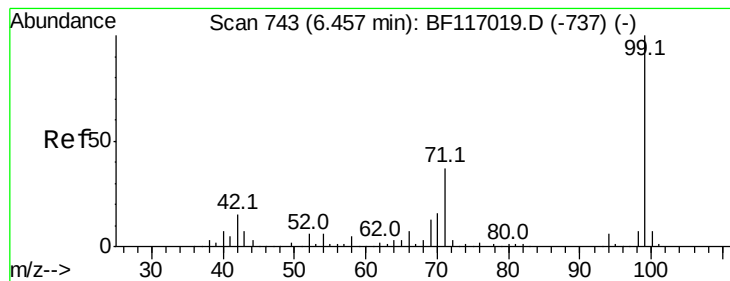
Acq: 20 Sep 2019 19:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 124522 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 47.9  | 32.6  | 49.0   |
| 65       | 23.9  | 16.7  | 25.1   |



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: 111.385 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

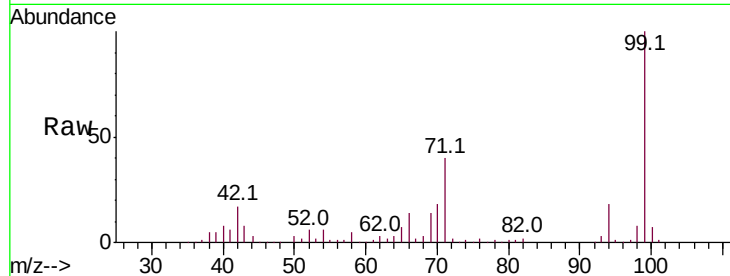
Tot Ion: 99 Resp: 357383

Ion Ratio Lower Upper

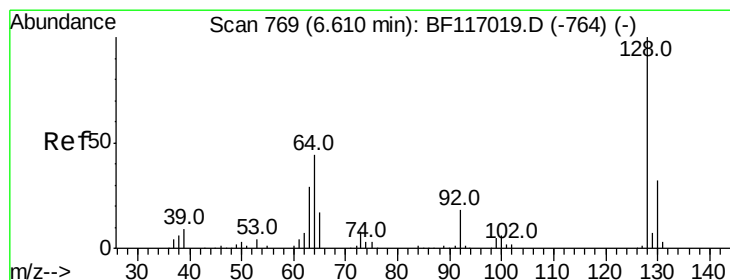
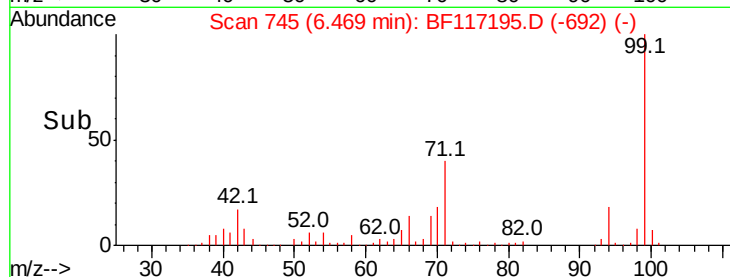
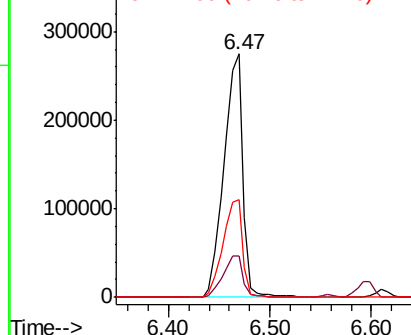
99 100

42 16.8 12.2 18.2

71 40.2 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.264 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

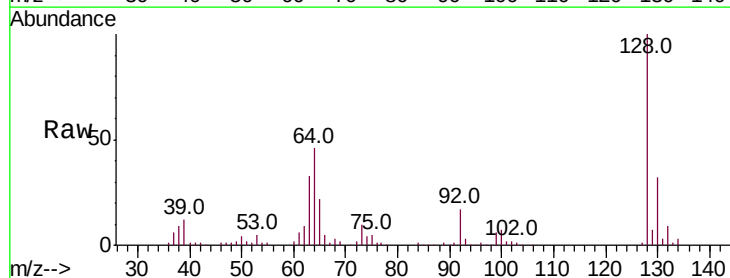
Tgt Ion: 128 Resp: 118553

Ion Ratio Lower Upper

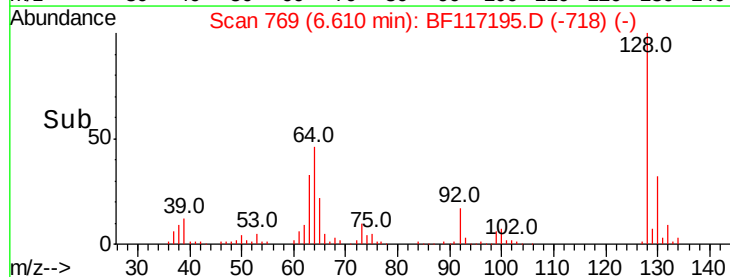
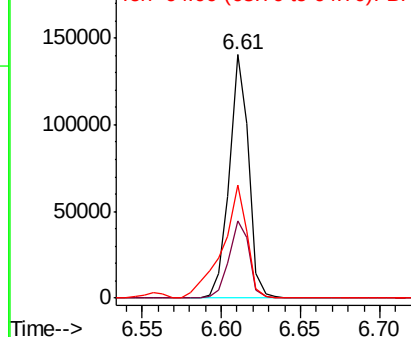
128 100

130 31.6 11.8 51.8

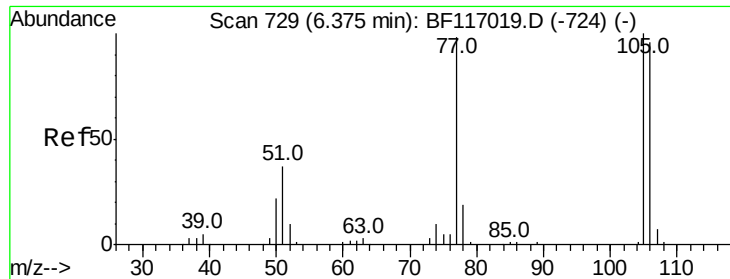
64 46.2 25.0 65.0



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 40.538 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

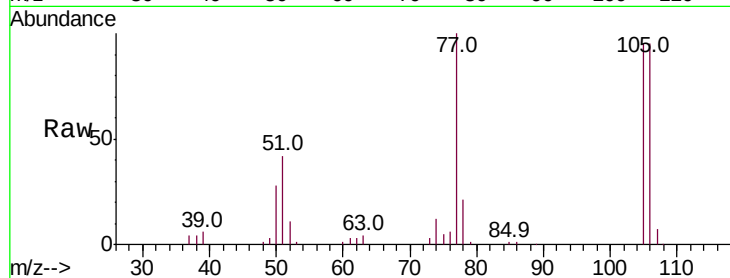
Tot Ion: 77 Resp: 64786

Ion Ratio Lower Upper

77 100

105 95.1 81.8 121.8

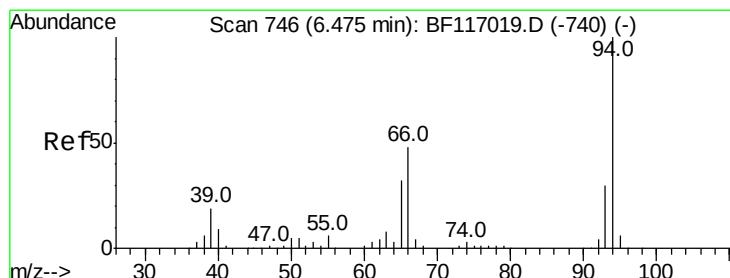
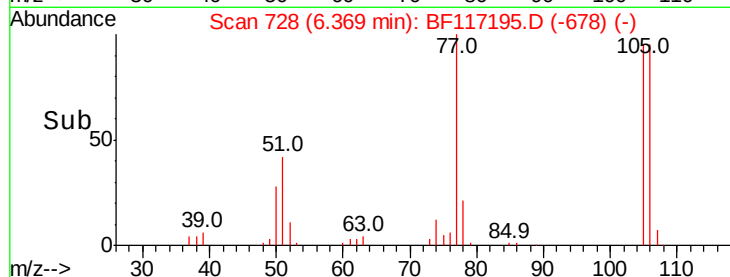
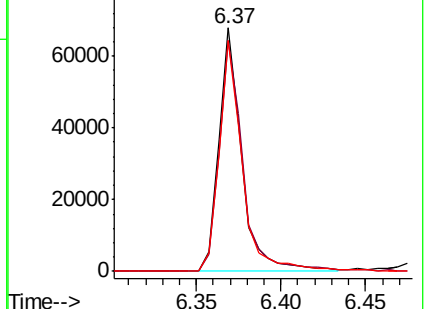
106 94.6 77.3 117.3



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: 43.095 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

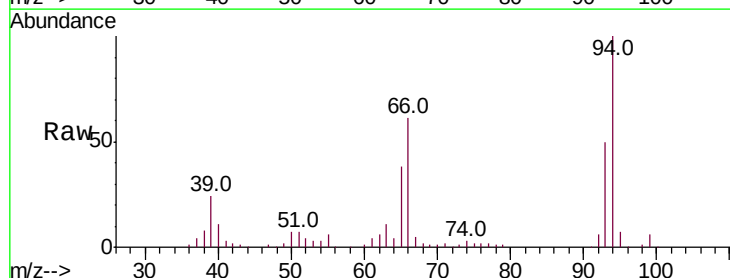
Tgt Ion: 94 Resp: 152432

Ion Ratio Lower Upper

94 100

65 38.1 12.5 52.5

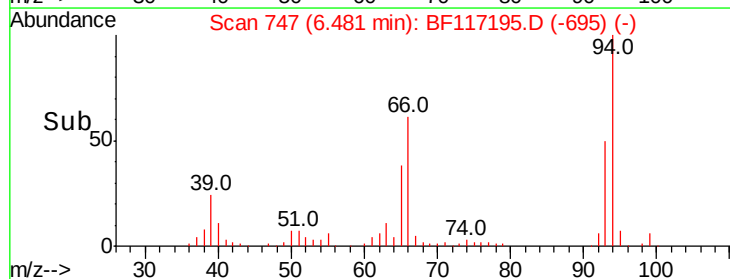
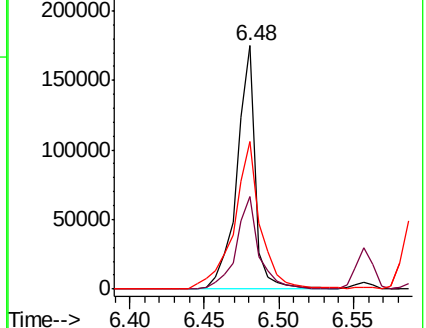
66 60.7 28.9 68.9



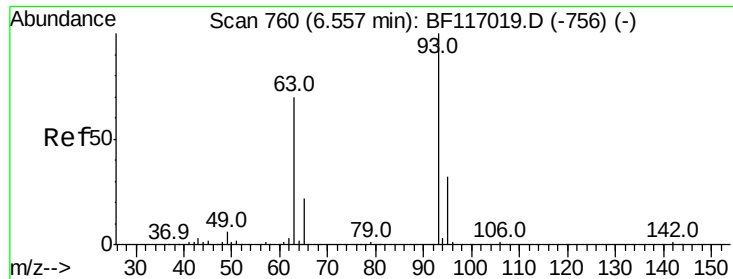
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1







#11

bis(2-Chloroethyl)ether

Concen: 43.226 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

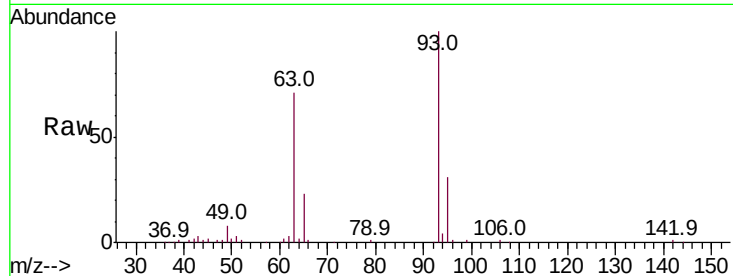
Tot Ion: 93 Resp: 112373

Ion Ratio Lower Upper

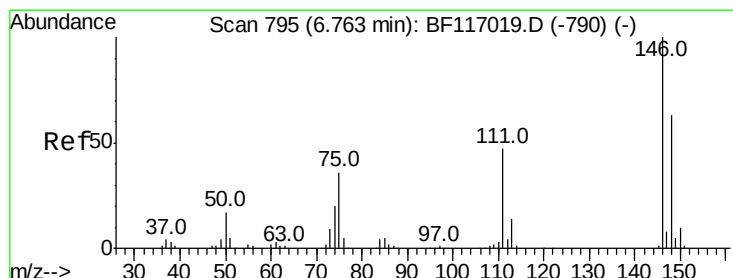
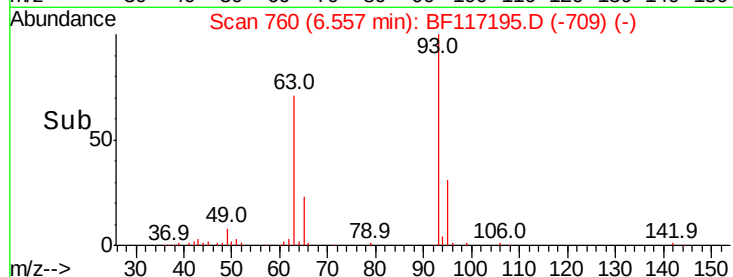
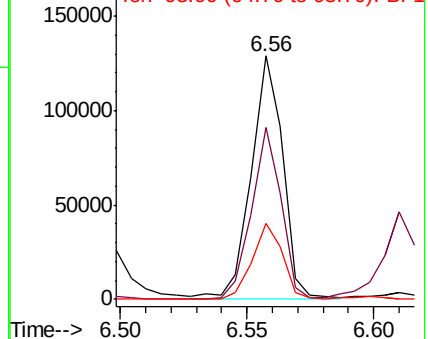
93 100

63 70.8 49.3 89.3

95 31.3 11.5 51.5



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



#12

1,3-Dichlorobenzene

Concen: 39.425 ng

RT: 6.76 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

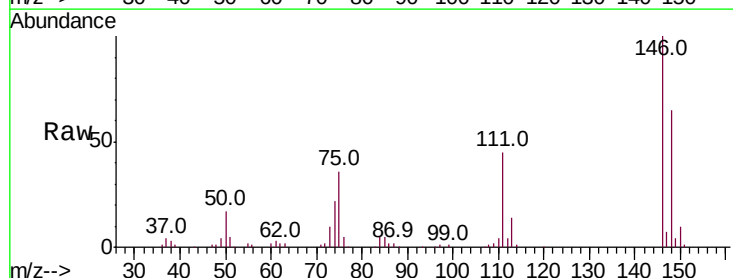
Tgt Ion: 146 Resp: 118490

Ion Ratio Lower Upper

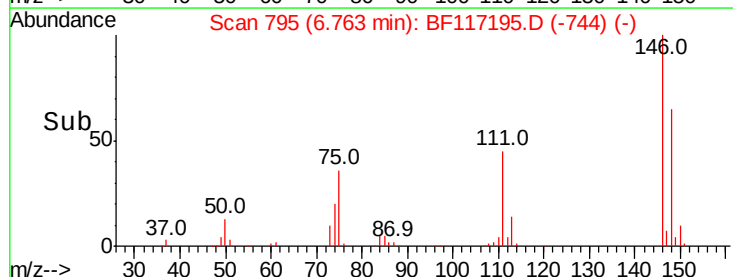
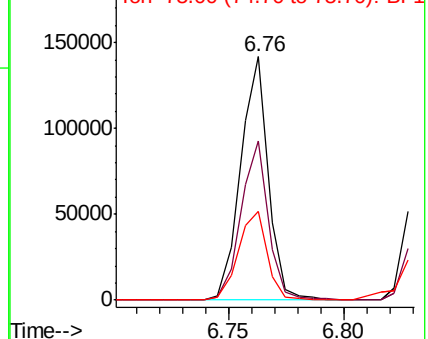
146 100

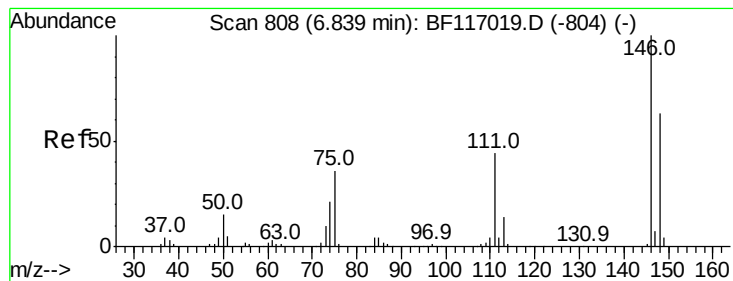
148 65.3 50.8 76.2

75 36.2 28.7 43.1



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





#13

1,4-Dichlorobenzene

Concen: 41.279 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

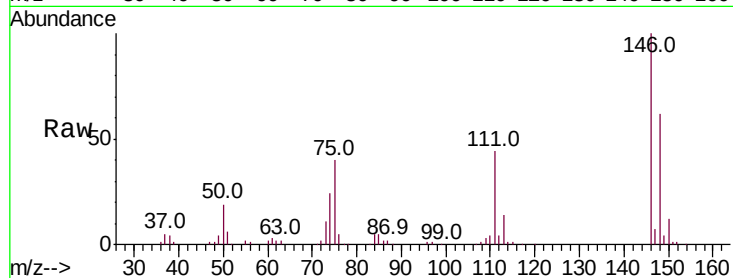
Tot Ion:146 Resp: 126606

Ion Ratio Lower Upper

146 100

148 62.0 50.6 76.0

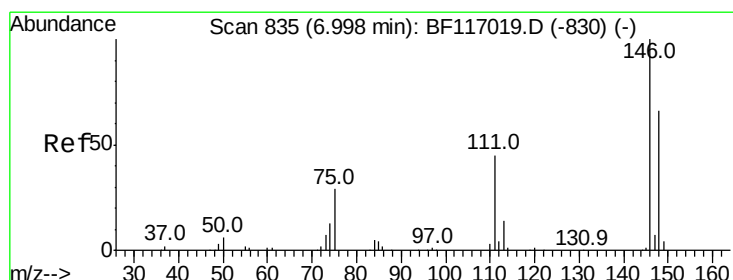
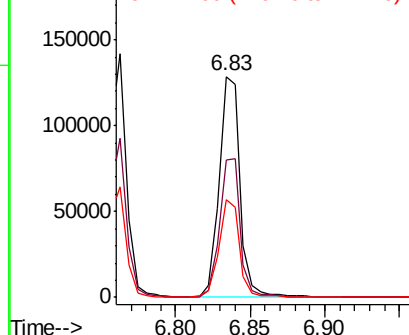
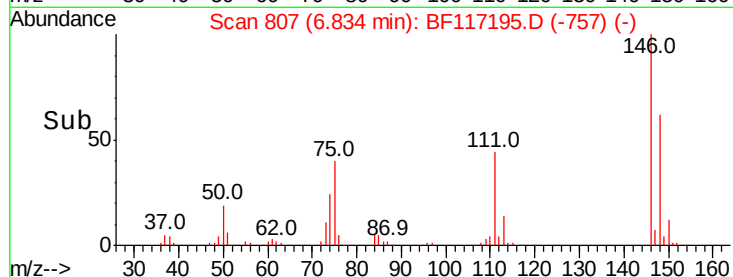
111 44.3 35.0 52.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.815 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

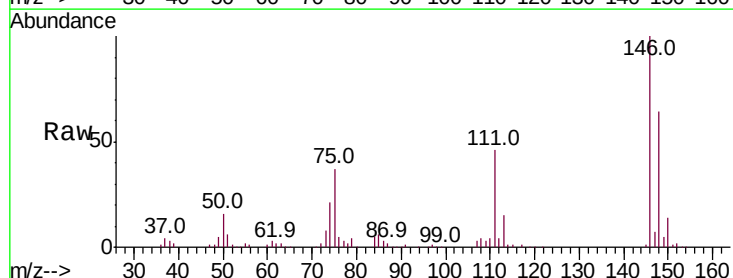
Tgt Ion:146 Resp: 116552

Ion Ratio Lower Upper

146 100

148 63.7 52.6 78.8

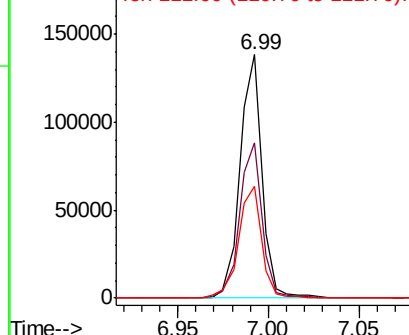
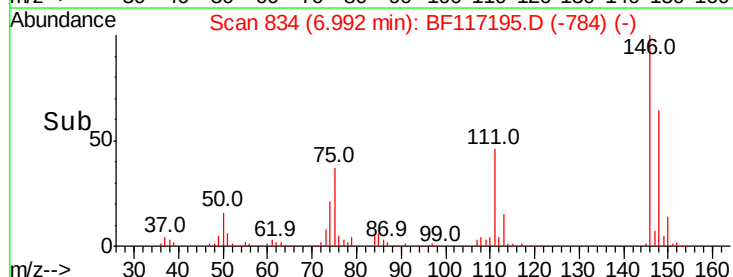
111 45.9 36.2 54.2

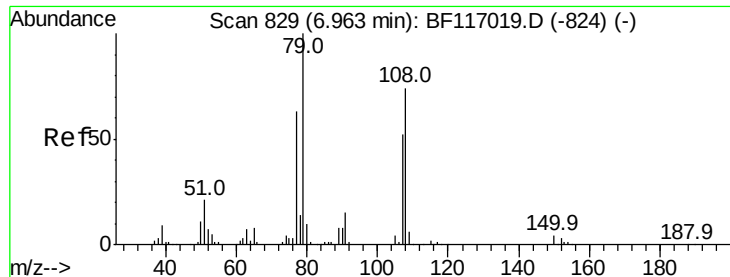


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.244 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampled :

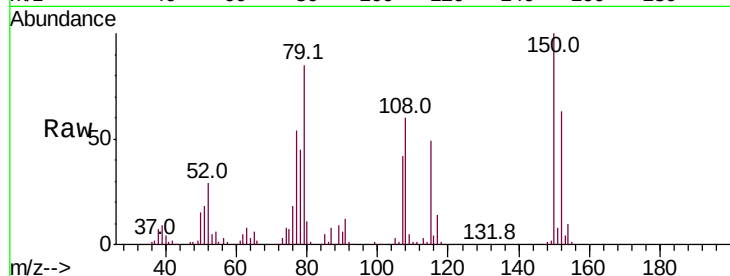
Tot Ion: 79 Resp: 111322

Ion Ratio Lower Upper

79 100

108 71.3 59.4 89.0

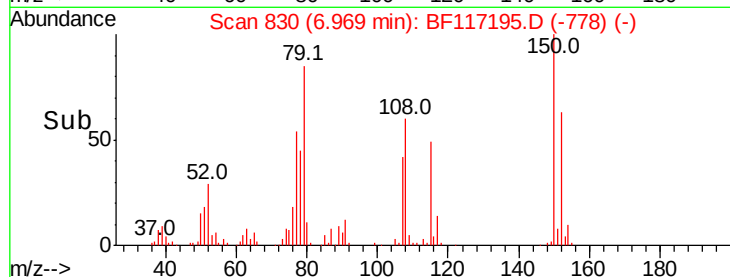
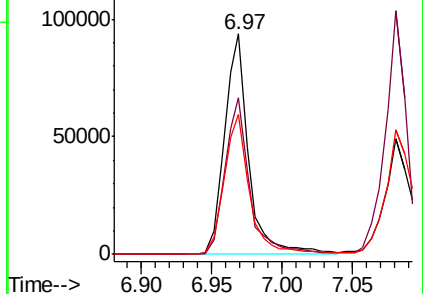
77 63.6 50.2 75.2



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: 39.497 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

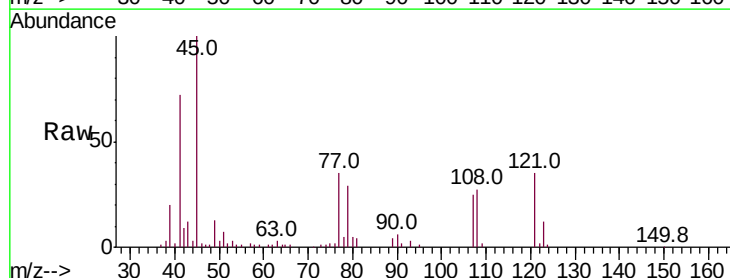
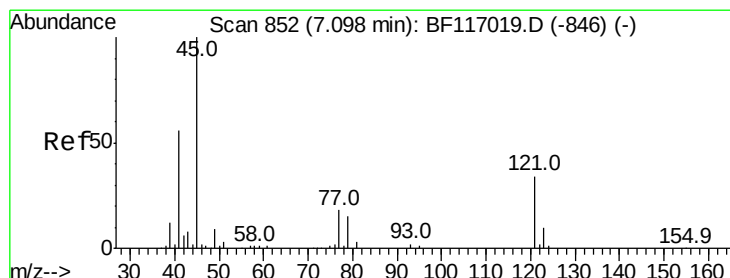
Tgt Ion: 45 Resp: 101444

Ion Ratio Lower Upper

45 100

77 35.3 2.7 42.7

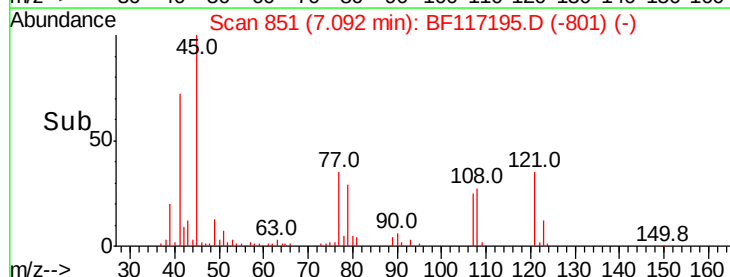
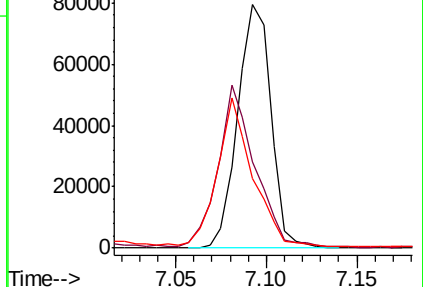
79 28.8 0.0 38.9

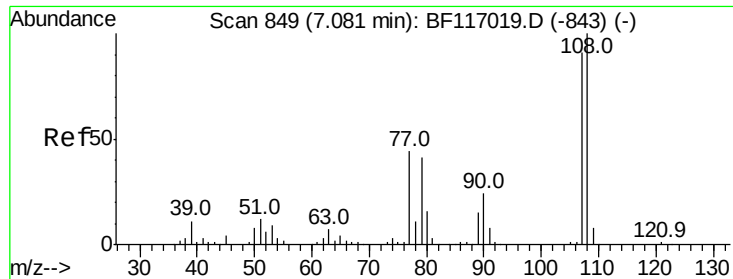


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

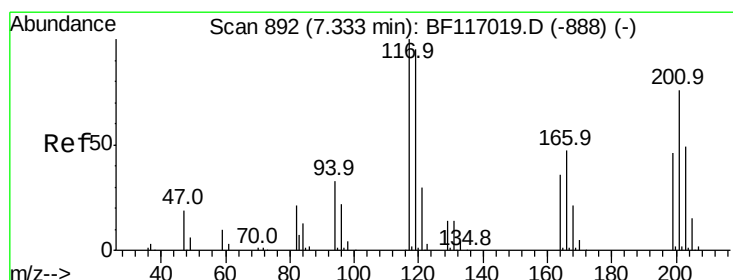
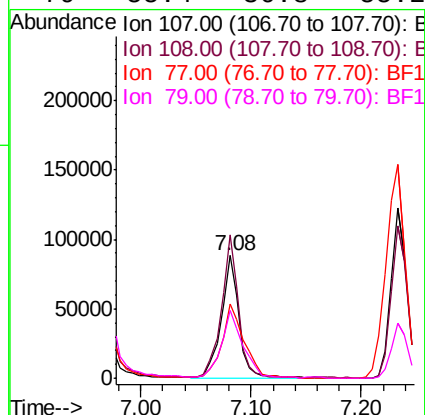
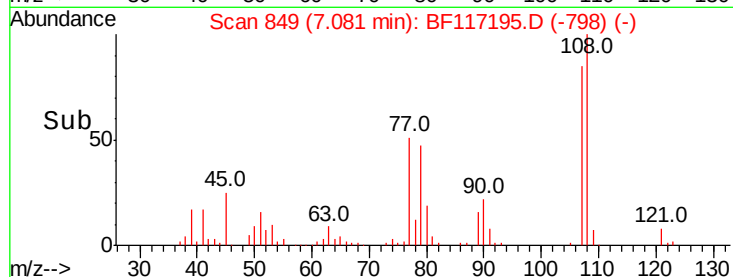
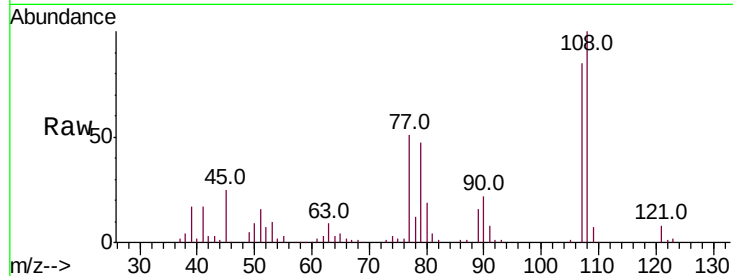




#17  
2-Methylphenol  
Concen: 44.346 ng  
RT: 7.08 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

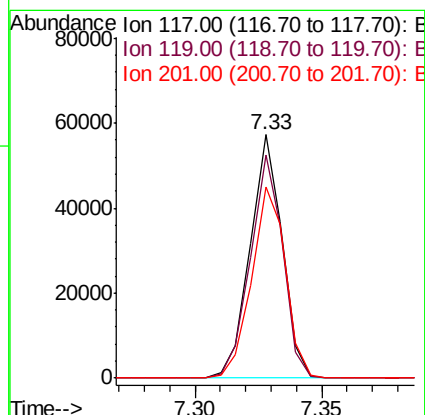
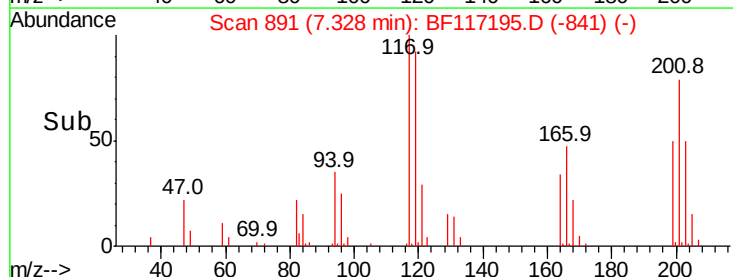
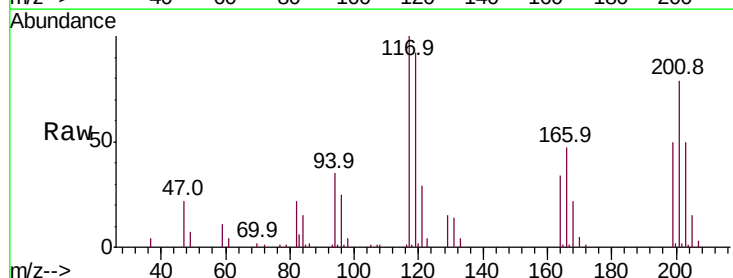
Instrument :  
BNA\_F  
ClientSampleId :

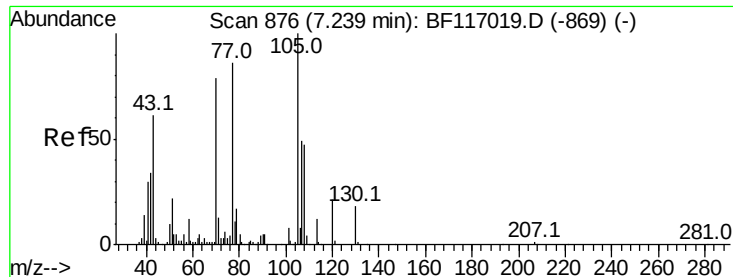
Tot Ion:107 Resp: 99544  
Ion Ratio Lower Upper  
107 100  
108 117.4 87.7 131.5  
77 60.2 38.6 58.0#  
79 55.4 36.8 55.2#



#18  
Hexachloroethane  
Concen: 42.723 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:117 Resp: 50410  
Ion Ratio Lower Upper  
117 100  
119 91.6 75.8 113.8  
201 78.7 60.9 91.3

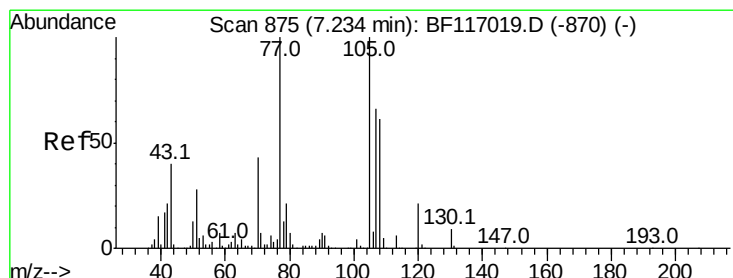
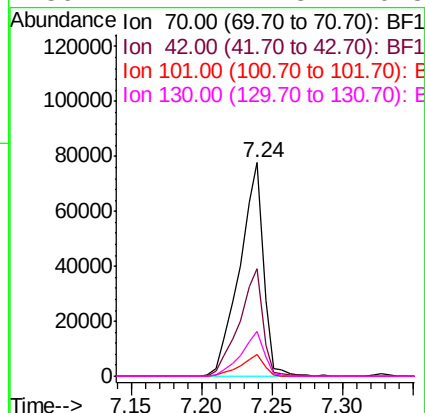
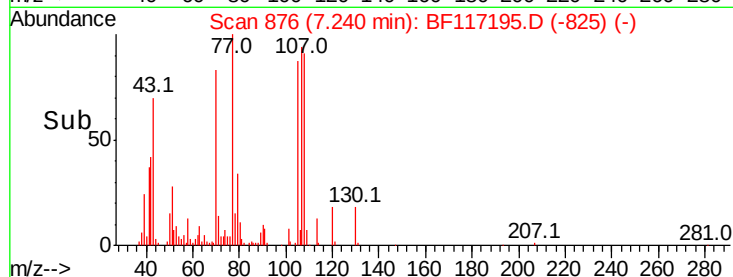
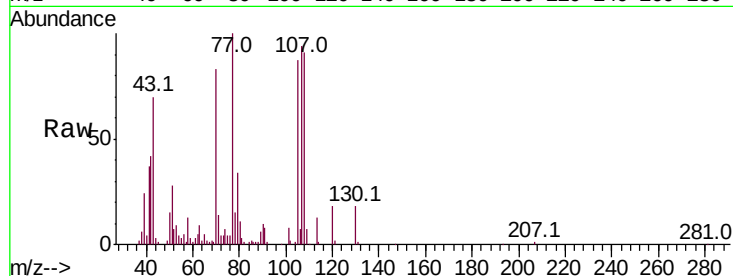




#19  
n-Nitroso-di-n-propylamine  
Concen: 46.880 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

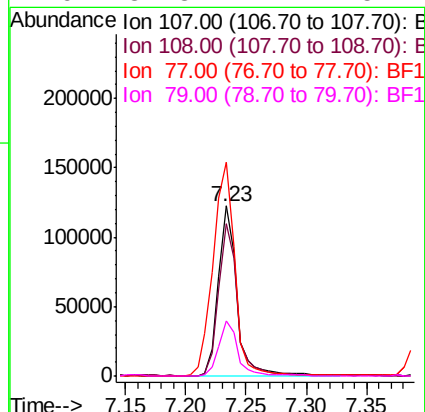
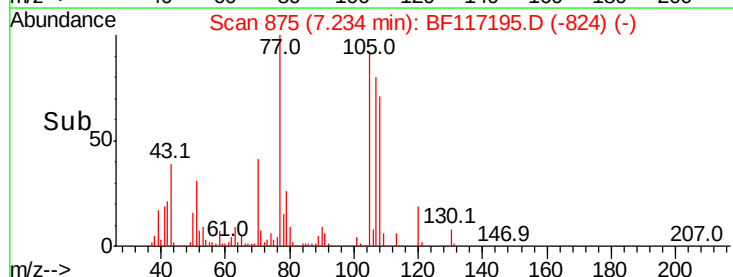
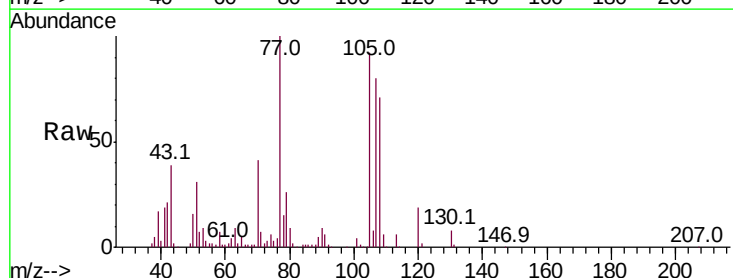
Instrument :  
BNA\_F  
ClientSampled :

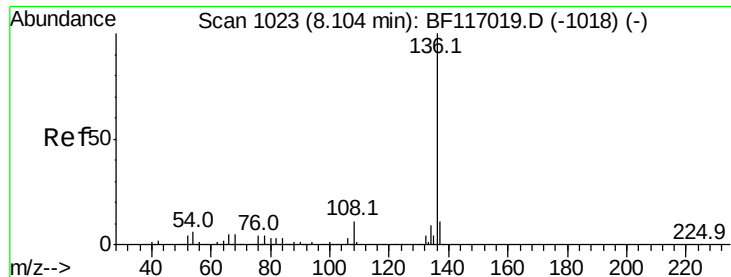
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 91592 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 50.2  | 34.0  | 51.0  |
| 101      | 10.1  | 7.8   | 11.6  |
| 130      | 21.2  | 17.8  | 26.8  |



#20  
3+4-Methylphenols  
Concen: 46.308 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 129477 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.8  | 72.6  | 112.6  |
| 77       | 125.7 | 132.1 | 172.1# |
| 79       | 32.3  | 12.1  | 52.1   |

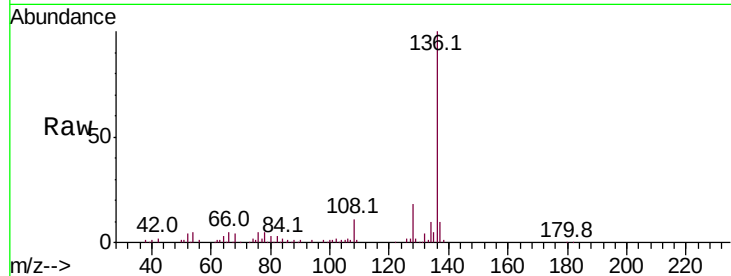




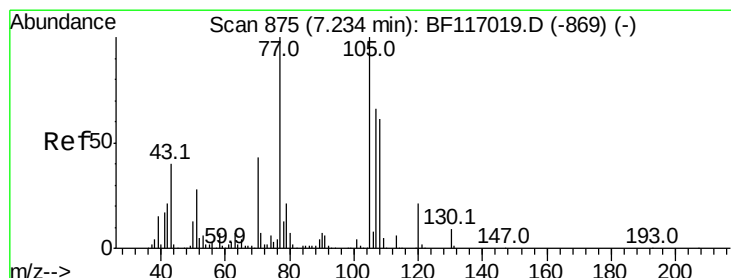
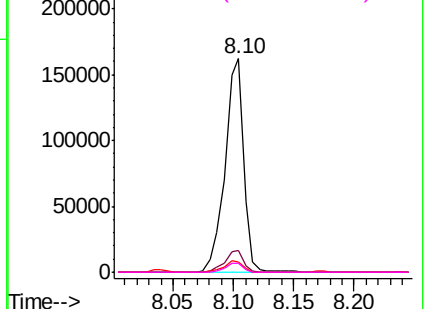
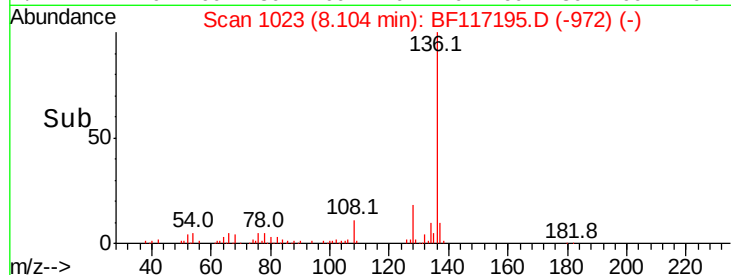
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampled :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 173442   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.3  | 9.0 13.4 |
| 54          | 5.0   | 4.5 6.7  |
| 68          | 4.2   | 4.0 6.0  |

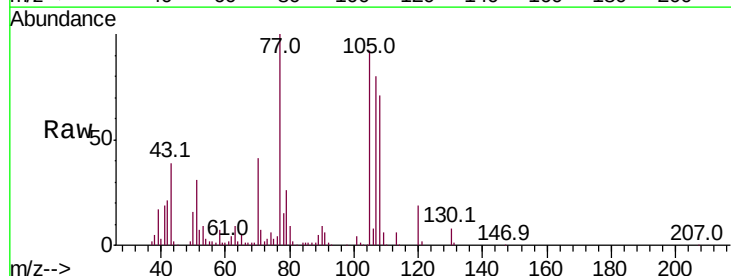


Abundance Ion 136.00 (135.70 to 136.70): E  
250000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

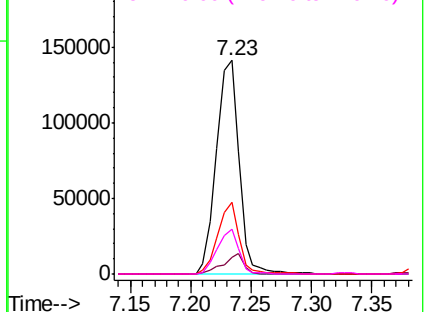
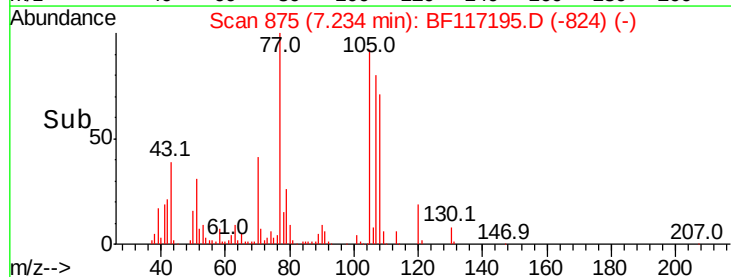


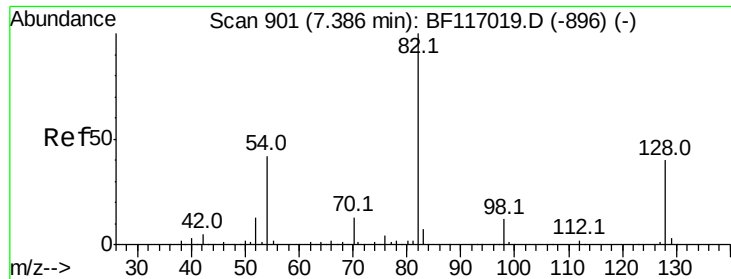
#22  
Acetophenone  
Concen: 41.773 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 184076     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 7.6   | 5.7 8.5    |
| 51          | 33.6  | 22.1 33.1# |
| 120         | 21.2  | 17.1 25.7  |



Abundance Ion 105.00 (104.70 to 105.70): E  
200000  
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

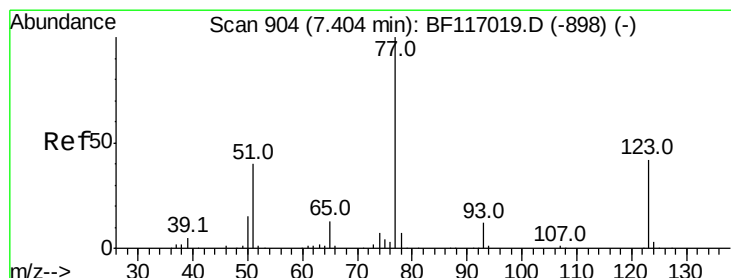
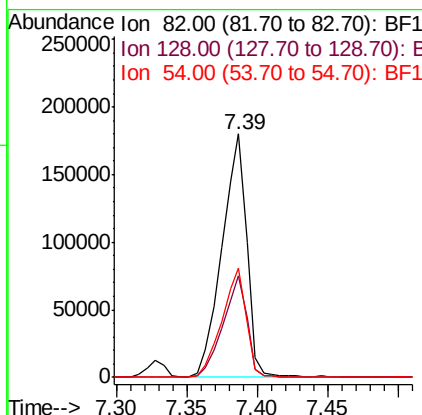
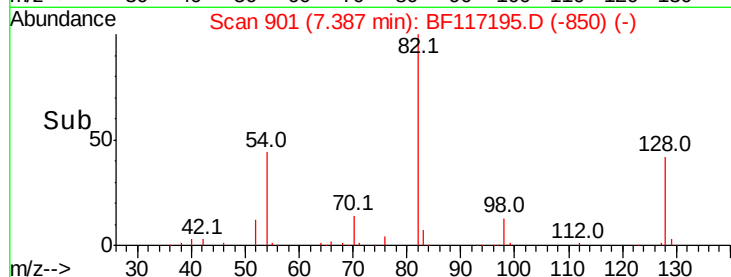
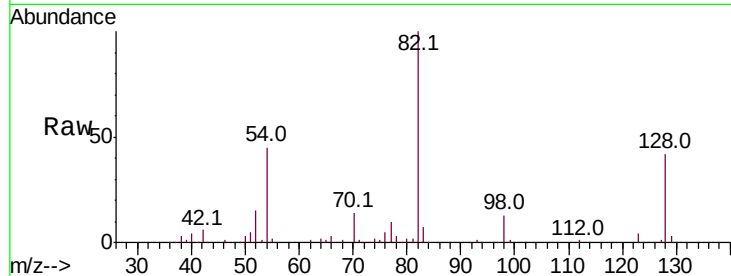




#23  
 Nitrobenzene-d5  
 Concen: 66.584 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

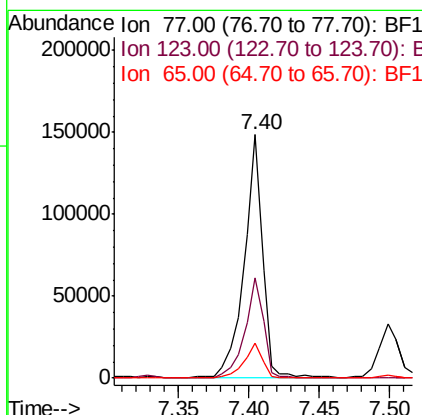
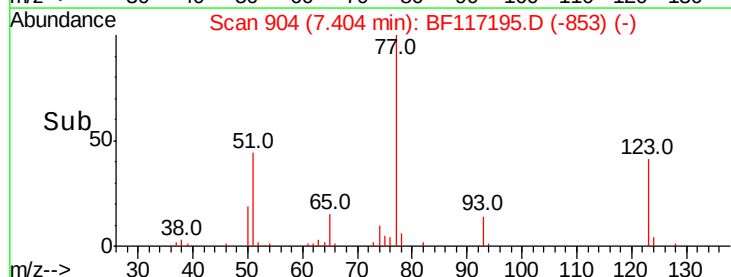
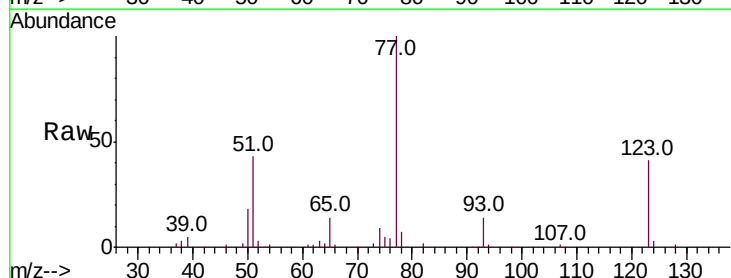
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | 82    | Resp  | 219792 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 41.8  | 32.3  | 48.5   |
| 54      | 44.7  | 33.3  | 49.9   |

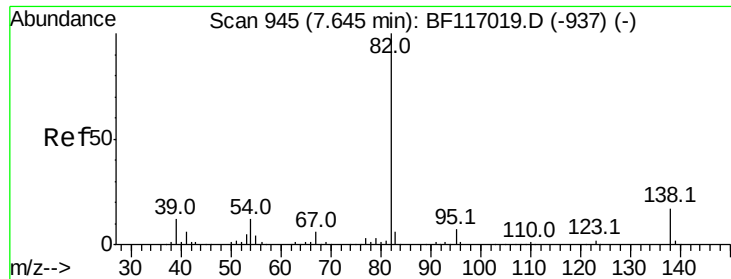


#24  
 Nitrobenzene  
 Concen: 40.812 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

| Tgt Ion | 77    | Resp  | 133041 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 41.0  | 33.5  | 50.3   |
| 65      | 14.1  | 10.5  | 15.7   |







#25

Isophorone

Concen: 42.304 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

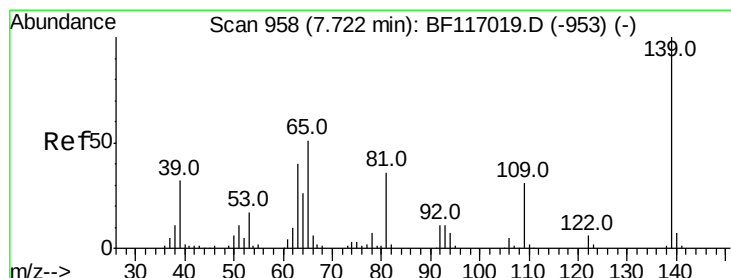
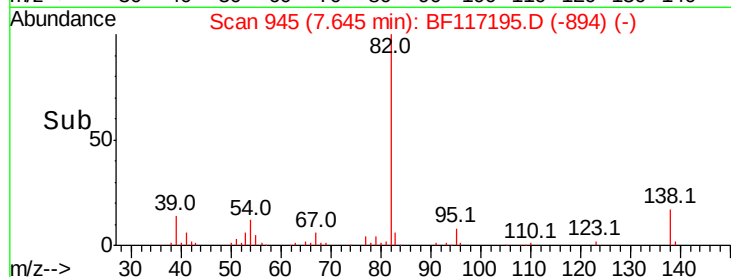
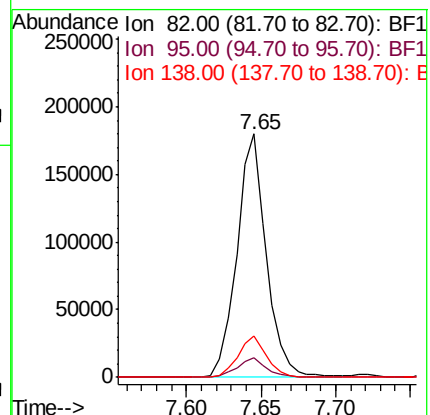
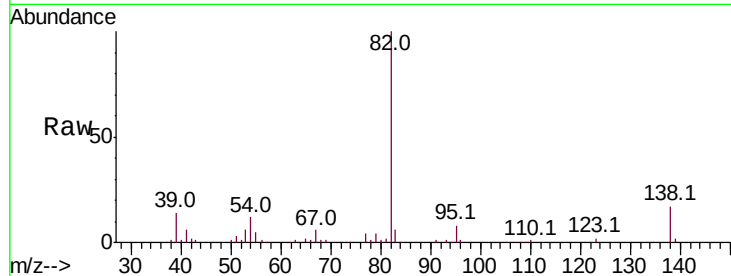
Tot Ion: 82 Resp: 247252

Ion Ratio Lower Upper

82 100

95 8.0 5.8 8.6

138 16.8 13.5 20.3



#26

2-Nitrophenol

Concen: 43.151 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

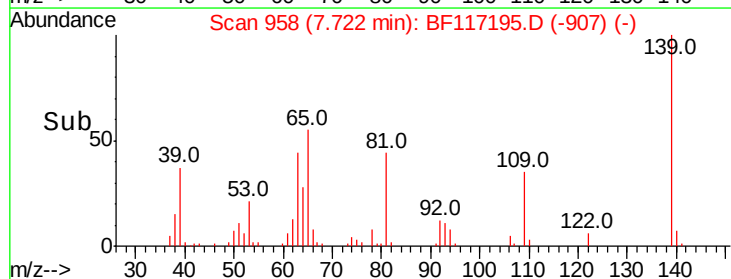
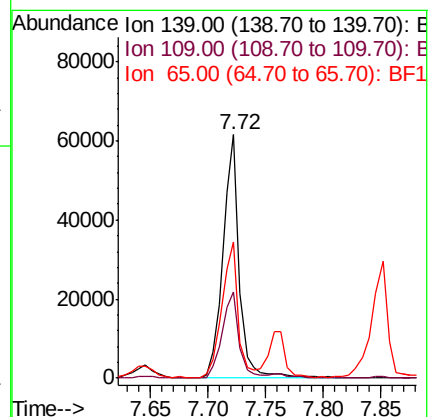
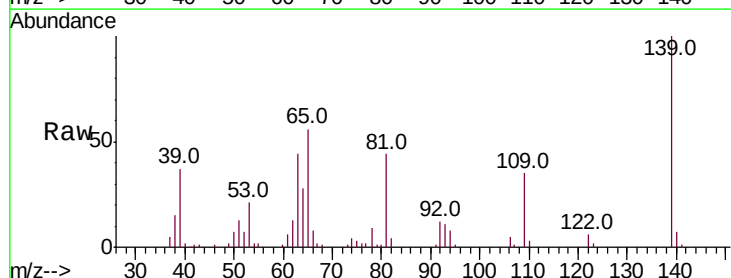
Tgt Ion: 139 Resp: 60421

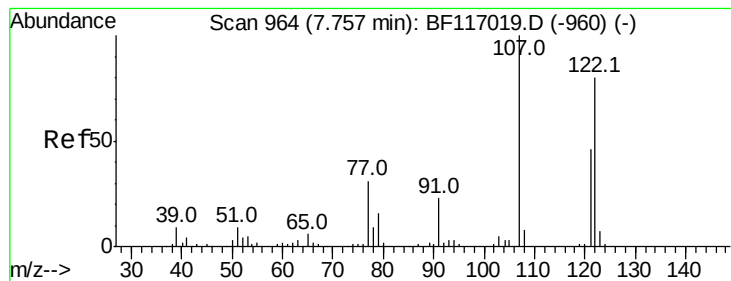
Ion Ratio Lower Upper

139 100

109 35.4 24.6 36.8

65 56.0 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 47.059 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

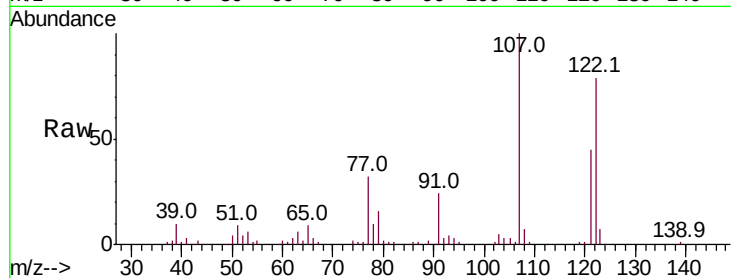
Tot Ion:122 Resp: 104493

Ion Ratio Lower Upper

122 100

107 126.8 98.9 148.3

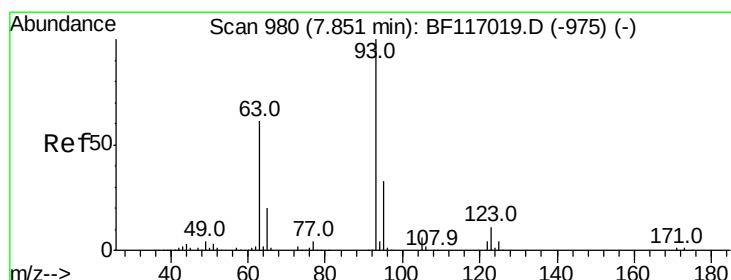
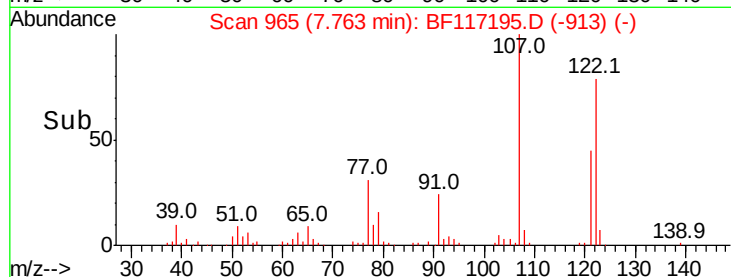
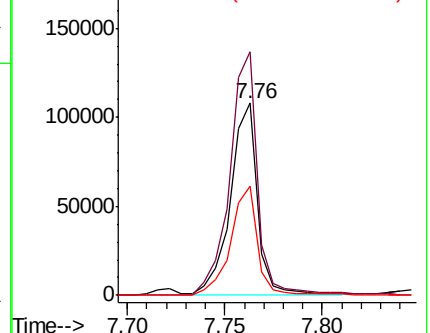
121 56.8 45.3 67.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.496 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

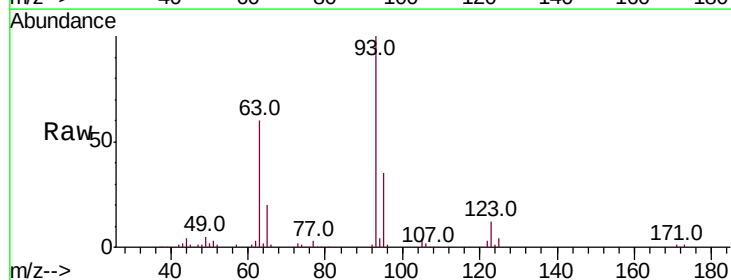
Tgt Ion: 93 Resp: 142225

Ion Ratio Lower Upper

93 100

95 35.4 26.2 39.4

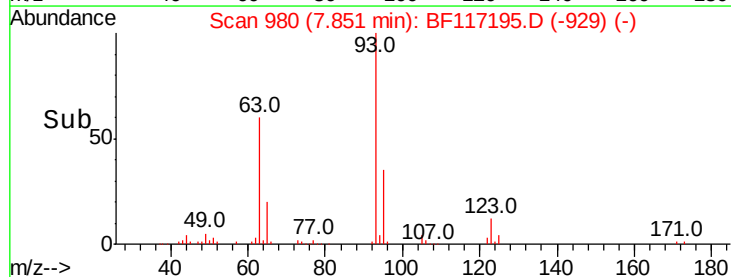
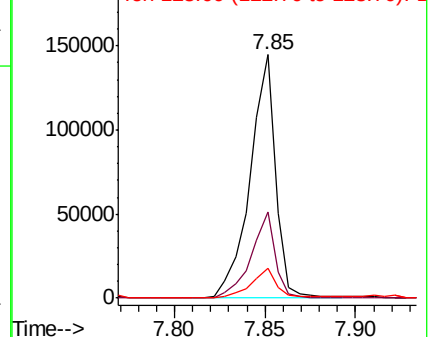
123 12.3 9.0 13.6

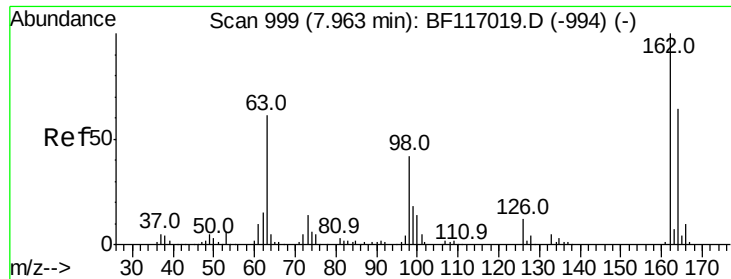


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

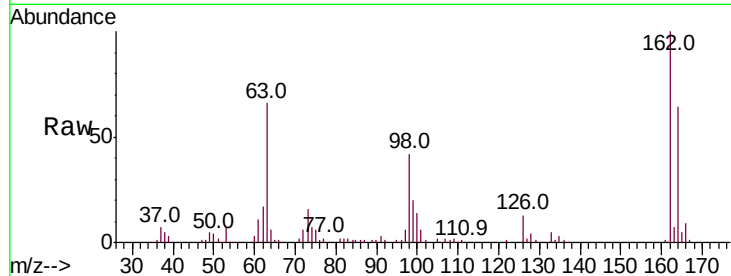




#29  
 2,4-Dichlorophenol  
 Concen: 43.145 ng  
 RT: 7.96 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 43.8  | 83.8  |
| 98      | 42.1  | 22.1  | 62.1  |

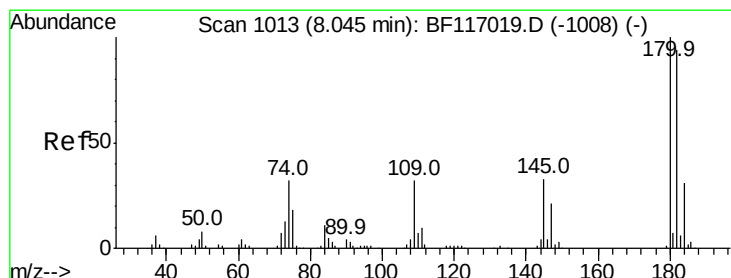
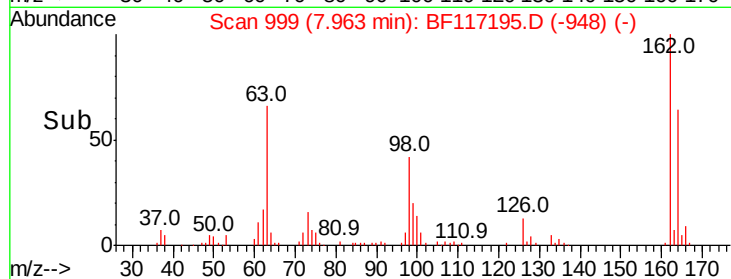
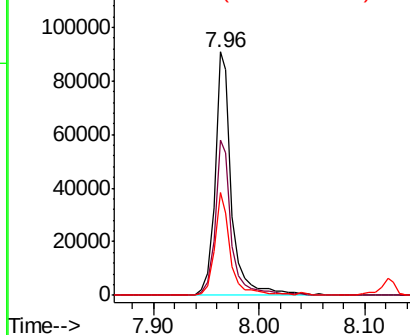


Abundance

Ion 162.00 (161.70 to 162.70): E

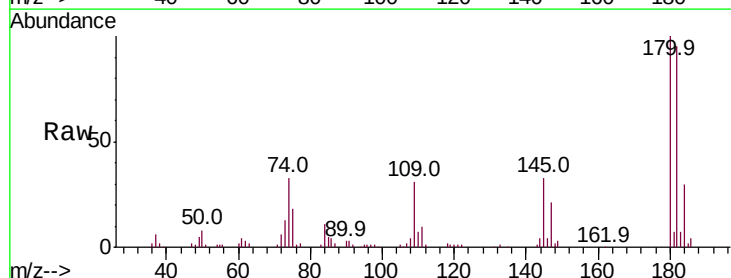
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.374 ng  
 RT: 8.05 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 75.4  | 113.0 |
| 145     | 33.0  | 26.7  | 40.1  |

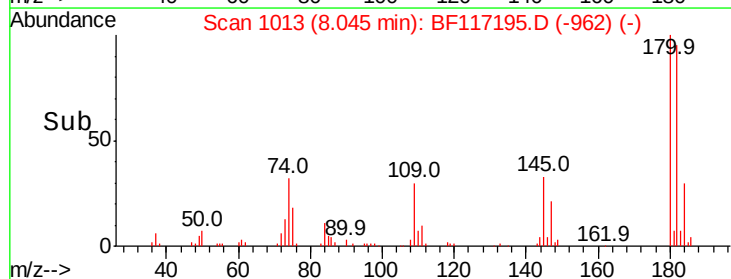
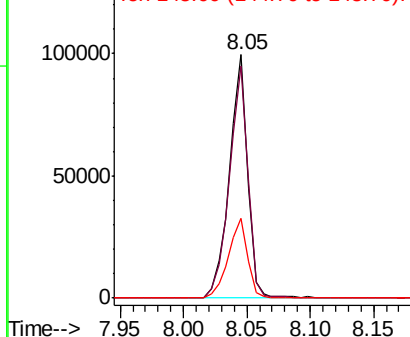


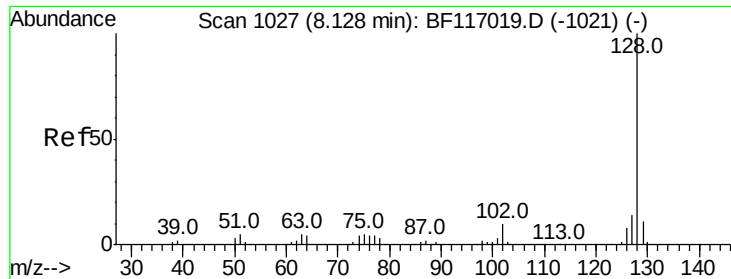
Abundance

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

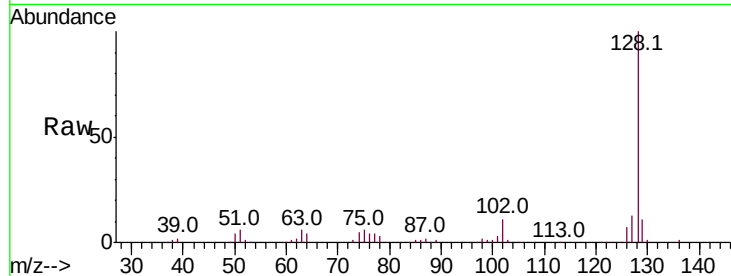




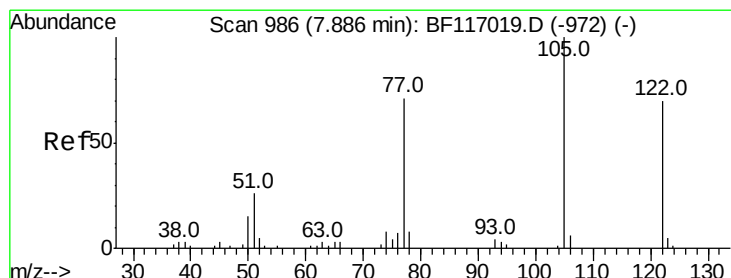
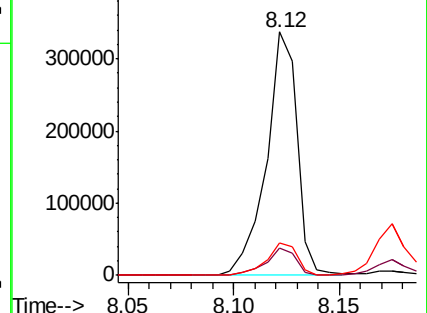
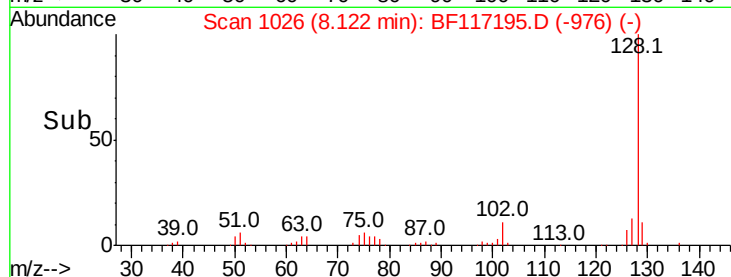
#31  
Naphthalene  
Concen: 41.084 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 342700  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.4  
127 13.3 10.8 16.2

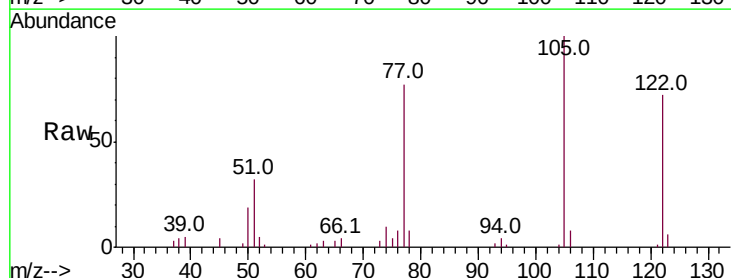


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

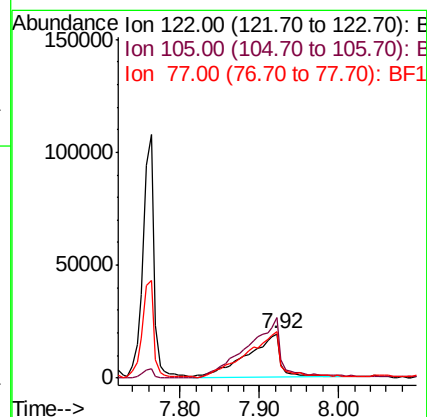
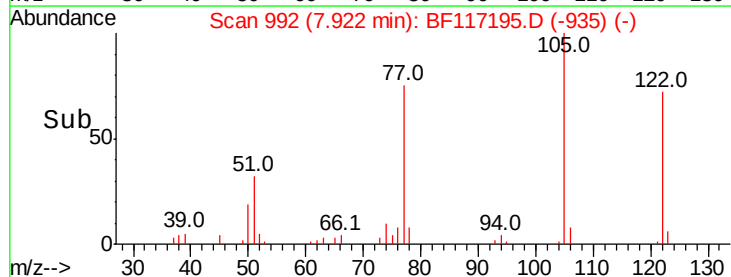


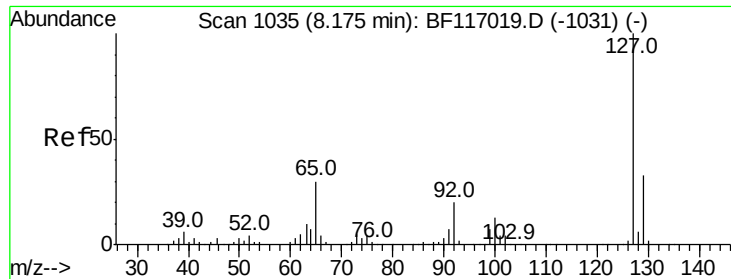
#32  
Benzoic acid  
Concen: 36.414 ng  
RT: 7.92 min Scan# 992  
Delta R.T. 0.04 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:122 Resp: 57959  
Ion Ratio Lower Upper  
122 100  
105 138.9 114.8 154.8  
77 106.9 78.7 118.7



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

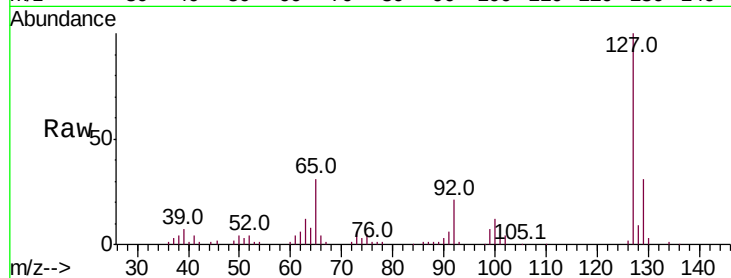




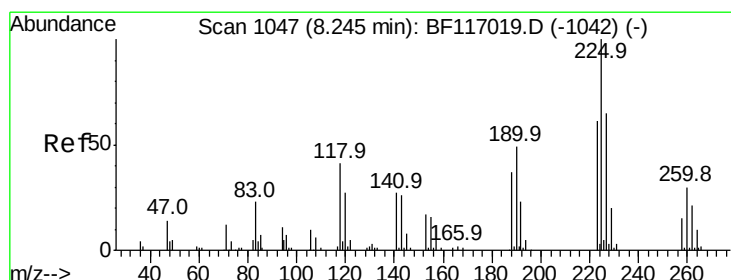
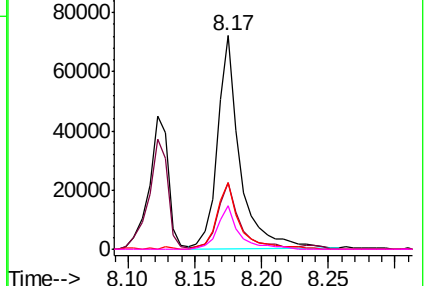
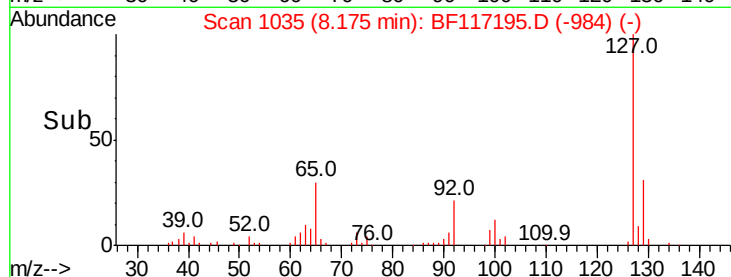
#33  
4-Chloroaniline  
Concen: 22.780 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |       |  |
|-------------|-------|-------|--|
| Tot Ion:127 | Resp: | 84281 |  |
| Ion Ratio   | Lower | Upper |  |
| 127 100     |       |       |  |
| 129 31.0    | 26.2  | 39.2  |  |
| 65 31.0     | 23.5  | 35.3  |  |
| 92 20.6     | 15.9  | 23.9  |  |

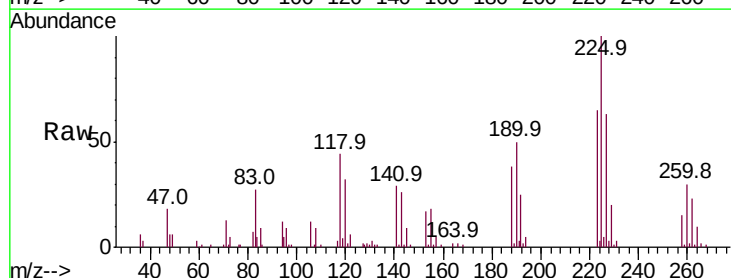


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

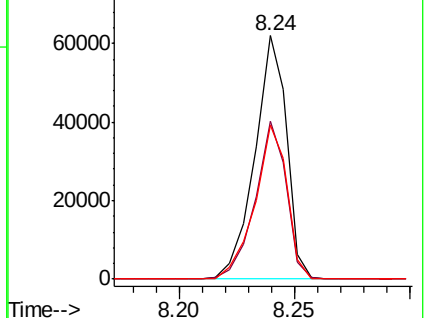
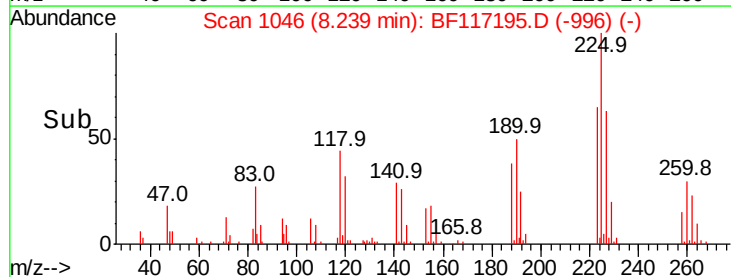


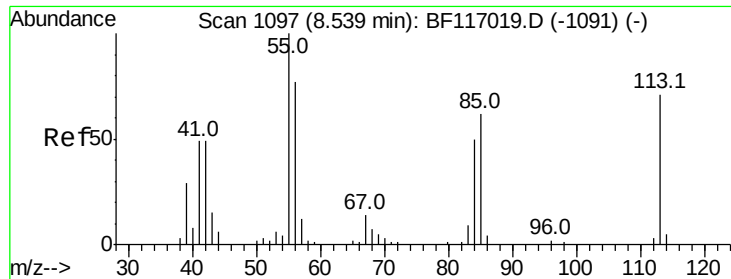
#34  
Hexachlorobutadiene  
Concen: 42.006 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:225 | Resp: | 59905 |
| Ion | Ratio   | Lower | Upper |
| 225 | 100     |       |       |
| 223 | 64.7    | 49.1  | 73.7  |
| 227 | 63.5    | 52.2  | 78.2  |



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

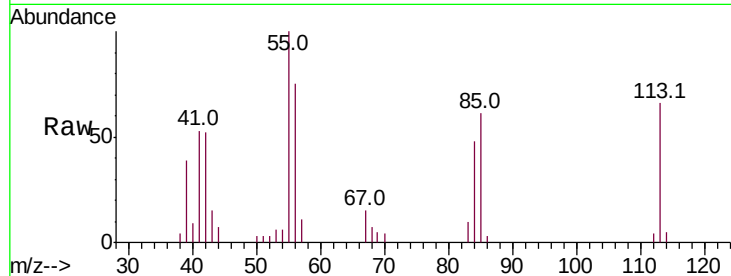




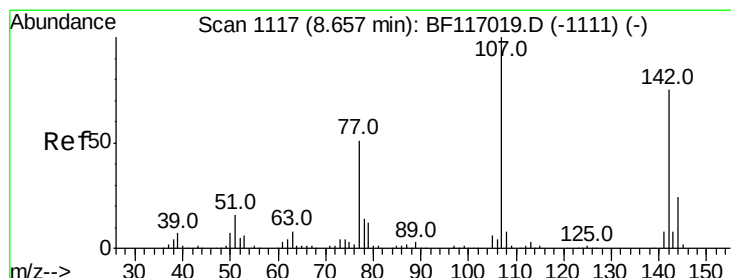
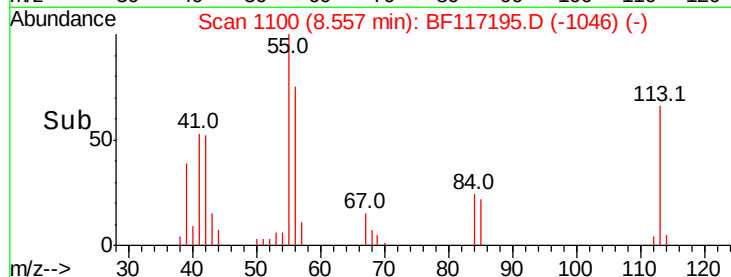
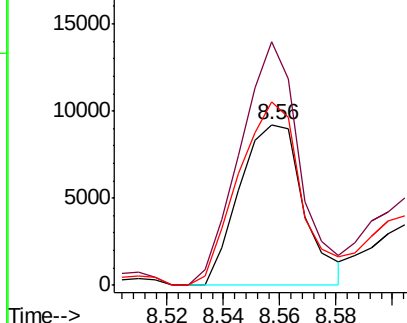
#35  
Caprolactam  
Concen: 18.508 ng  
RT: 8.56 min Scan# 1100  
Delta R.T. 0.02 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 14575  
Ion Ratio Lower Upper  
113 100  
55 151.6 120.6 160.6  
56 114.4 88.8 128.8

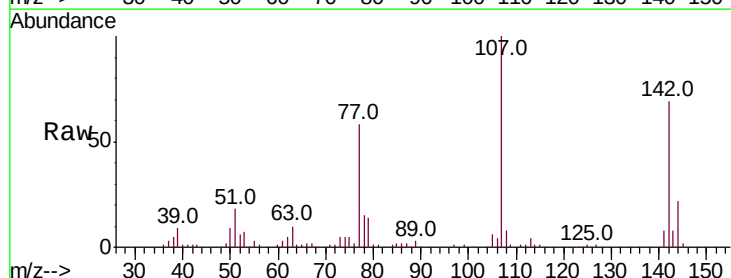


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

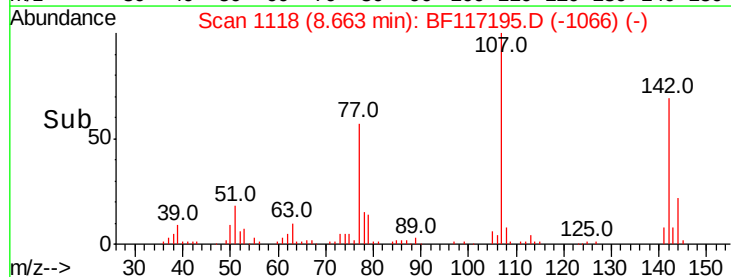
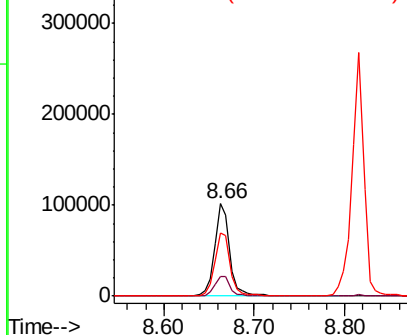


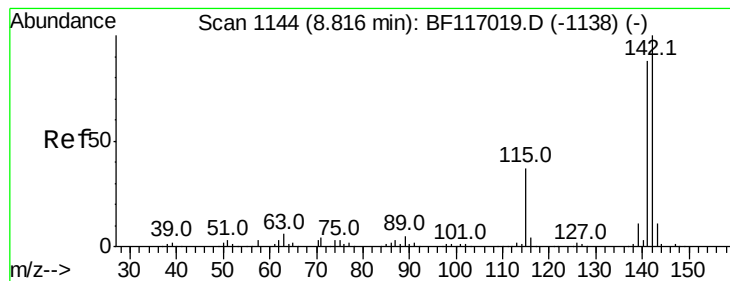
#36  
4-Chloro-3-methylphenol  
Concen: 43.278 ng  
RT: 8.66 min Scan# 1118  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:107 Resp: 117409  
Ion Ratio Lower Upper  
107 100  
144 21.8 19.2 28.8  
142 69.1 59.6 89.4



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: 43.144 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

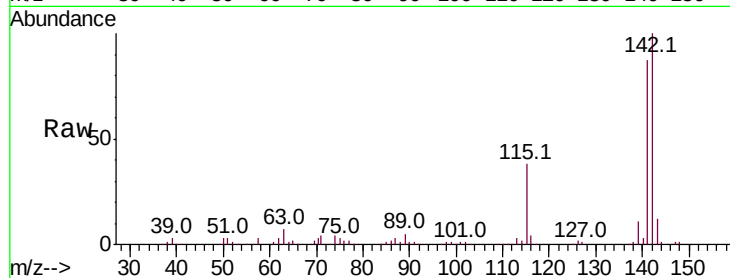
Tot Ion:142 Resp: 242344

Ion Ratio Lower Upper

142 100

141 87.0 70.7 106.1

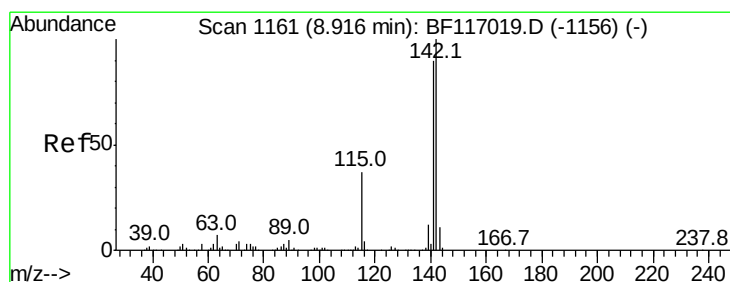
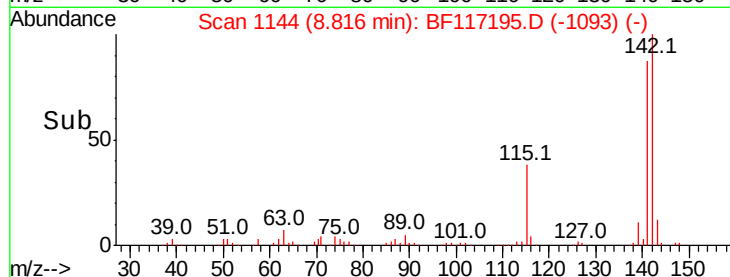
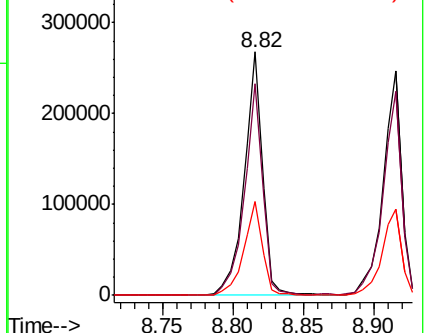
115 38.4 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.546 ng

RT: 8.92 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

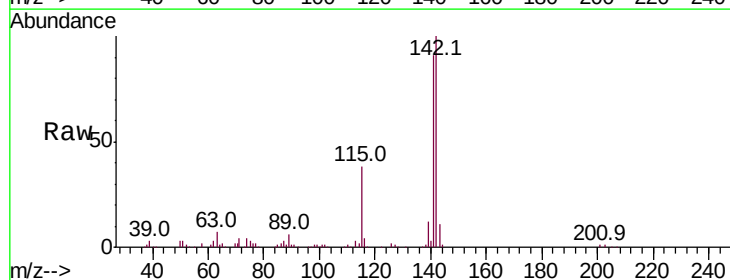
Tgt Ion:142 Resp: 223831

Ion Ratio Lower Upper

142 100

141 90.5 71.9 107.9

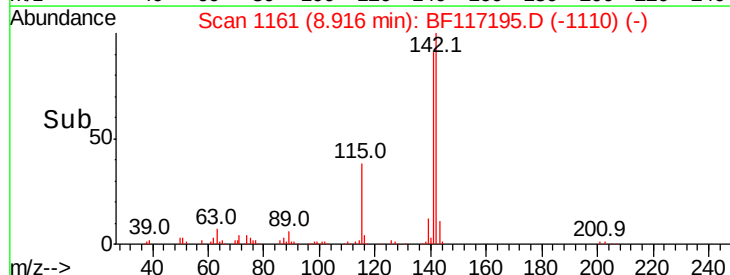
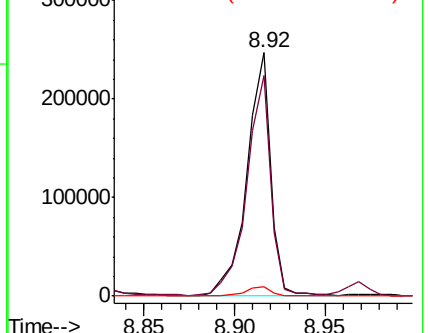
116 3.9 3.2 4.8

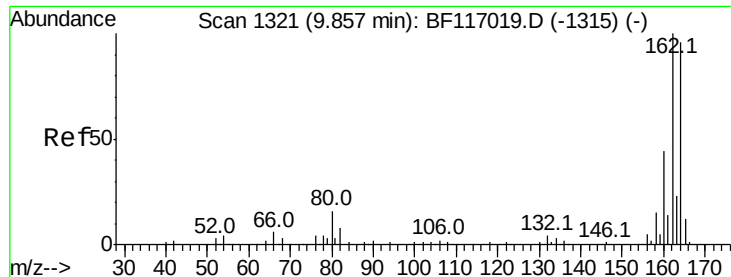


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

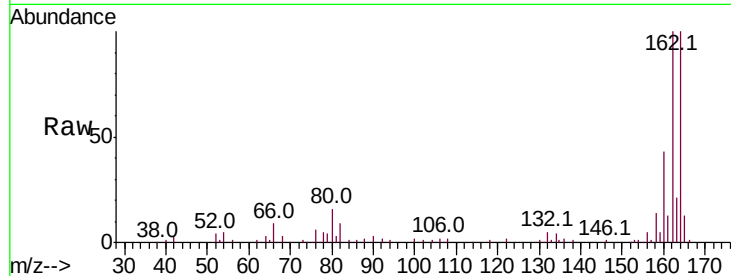




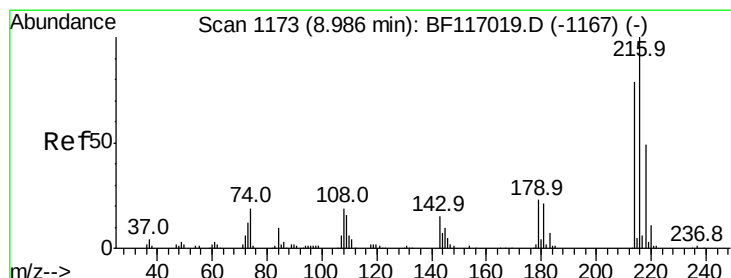
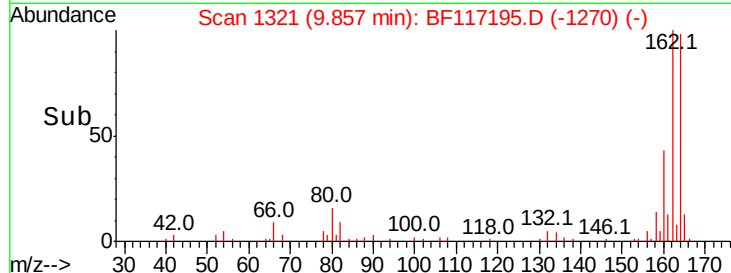
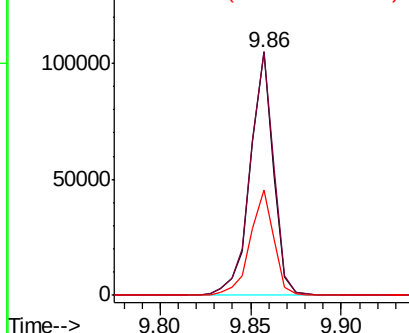
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:164 Resp: 92818  
Ion Ratio Lower Upper  
164 100  
162 100.2 83.4 125.2  
160 43.3 36.4 54.6

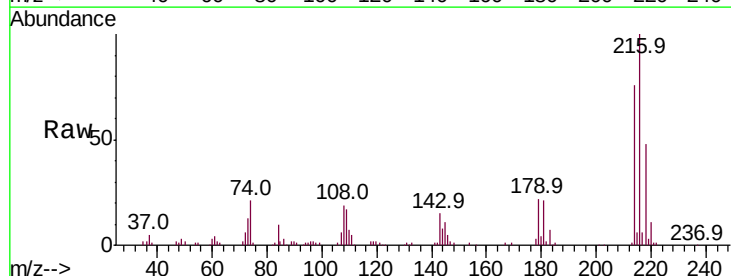


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

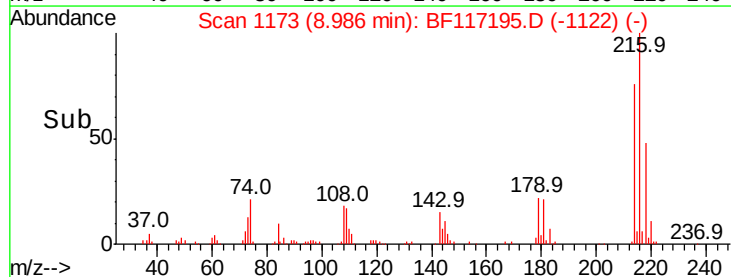
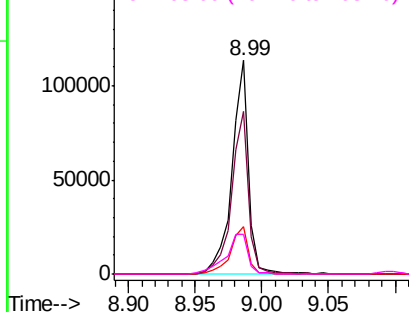


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.547 ng  
RT: 8.99 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

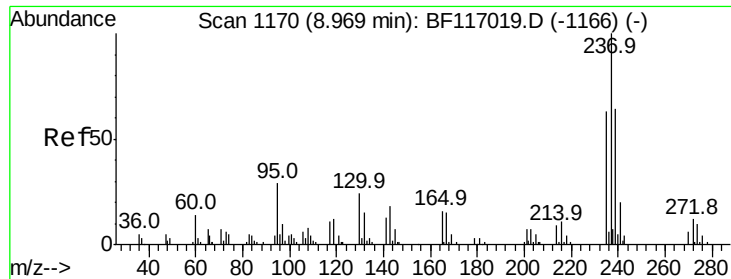
Tgt Ion:216 Resp: 99580  
Ion Ratio Lower Upper  
216 100  
214 77.3 63.6 95.4  
179 23.4 18.3 27.5  
108 24.9 17.8 26.6



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



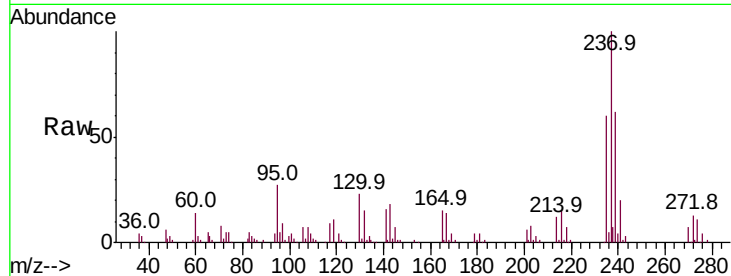




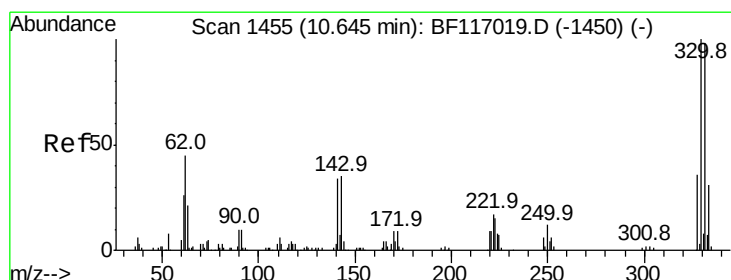
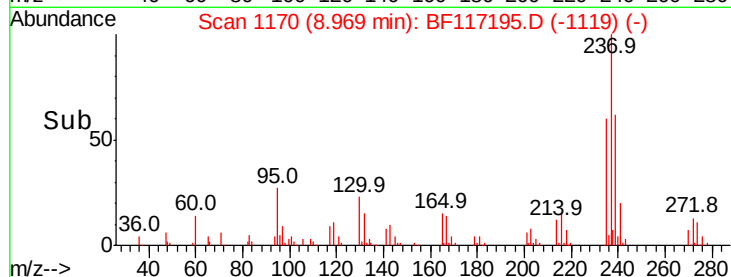
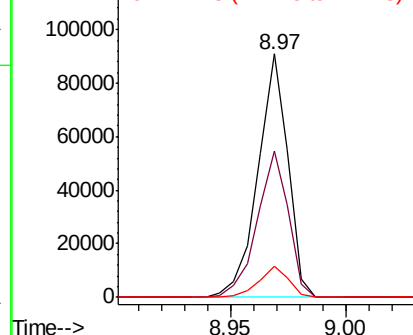
#41  
Hexachlorocyclopentadiene  
Concen: 78.171 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 60.3  | 43.2  | 83.2  |
| 272     | 12.6  | 0.0   | 31.9  |

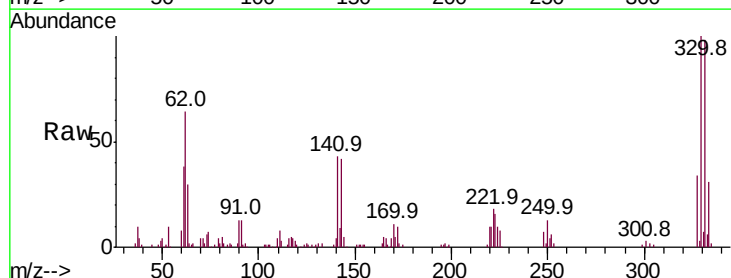


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

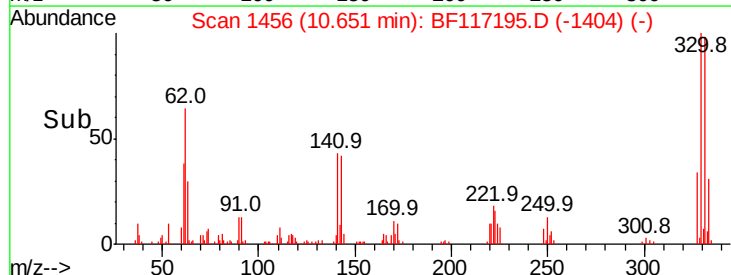
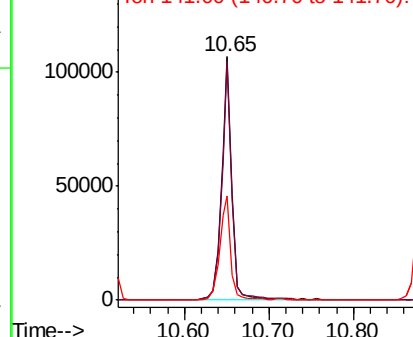


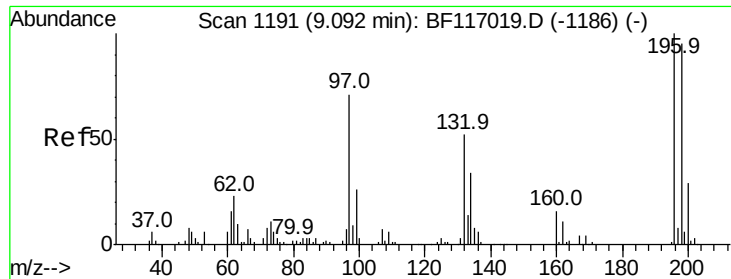
#42  
2,4,6-Tribromophenol  
Concen: 121.669 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 78.0  | 117.0 |
| 141     | 45.3  | 35.8  | 53.6  |



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

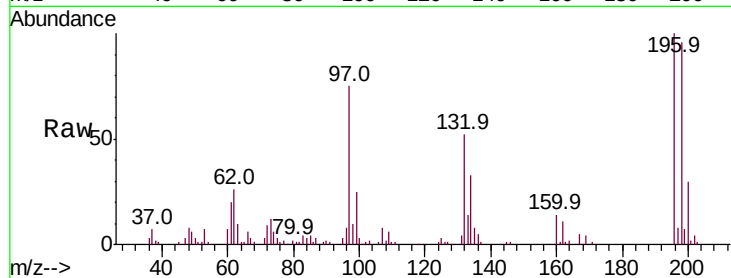




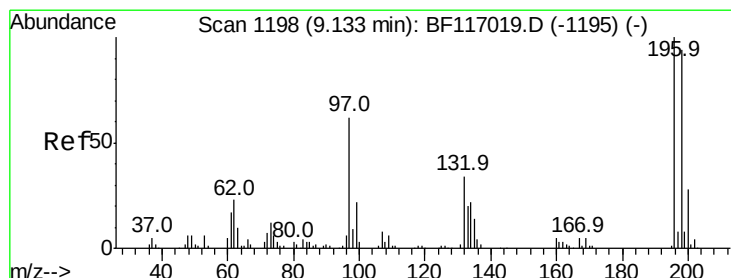
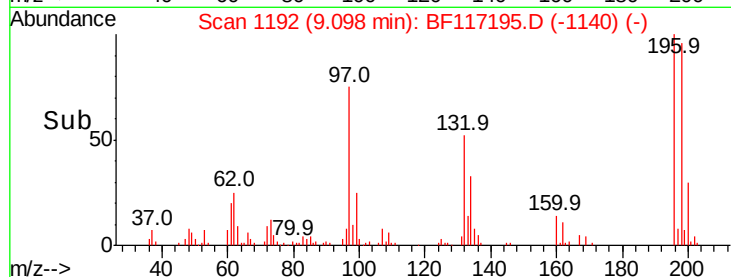
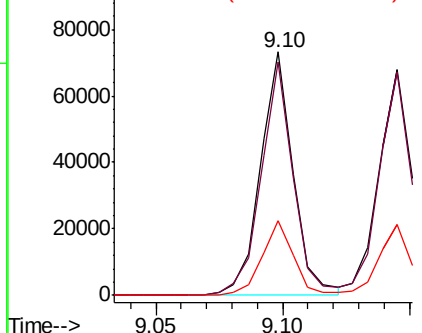
#43  
 2,4,6-Trichlorophenol  
 Concen: 40.620 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 66071  
 Ion Ratio Lower Upper  
 196 100  
 198 96.0 75.7 113.5  
 200 30.5 23.3 34.9



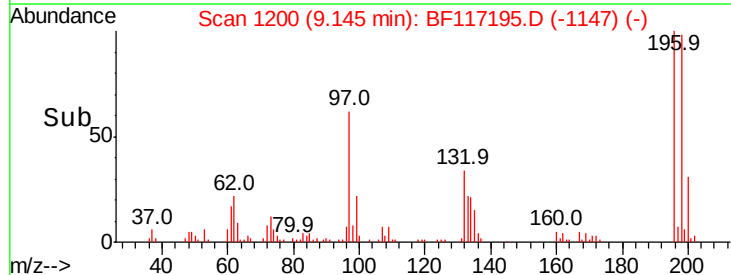
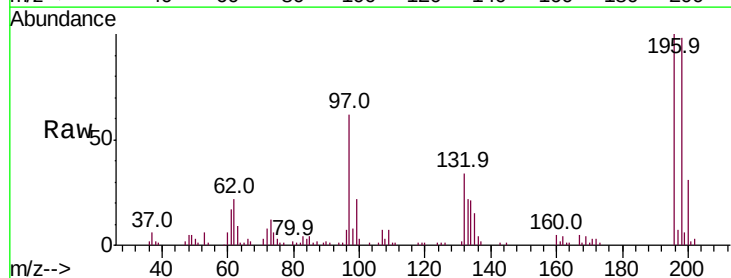
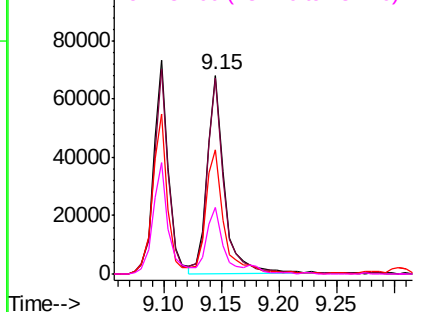
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

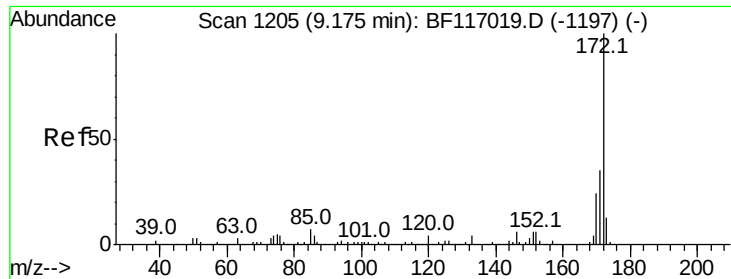


#44  
 2,4,5-Trichlorophenol  
 Concen: 40.784 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:196 Resp: 70876  
 Ion Ratio Lower Upper  
 196 100  
 198 98.5 74.6 112.0  
 97 62.5 49.5 74.3  
 132 33.6 27.4 41.2

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

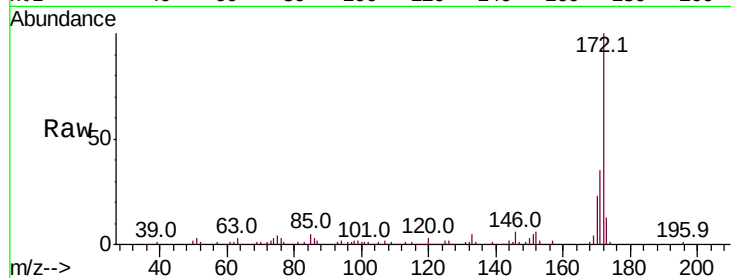




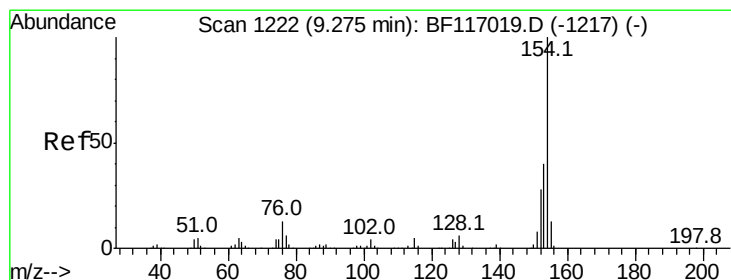
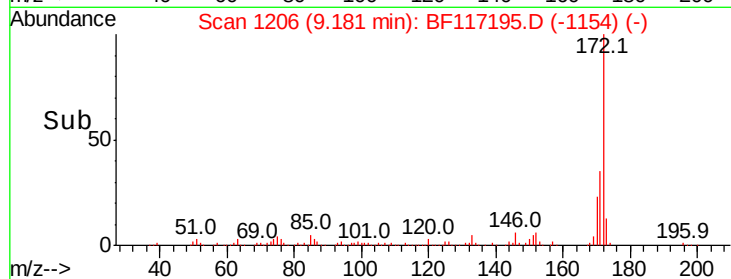
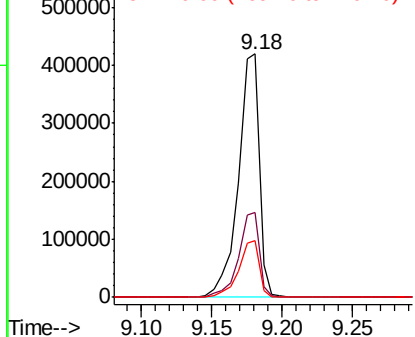
#45  
2-Fluorobiphenyl  
Concen: 73.124 ng  
RT: 9.18 min Scan# 1206  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 434084  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.2 42.2  
170 23.2 18.9 28.3

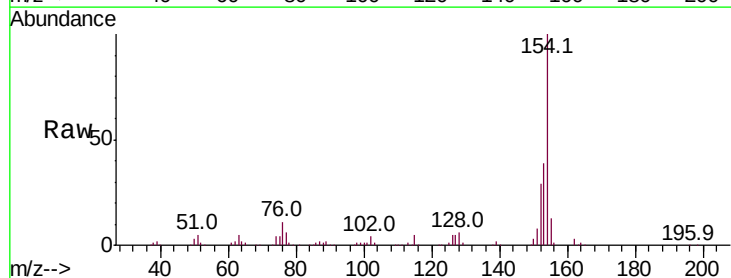


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

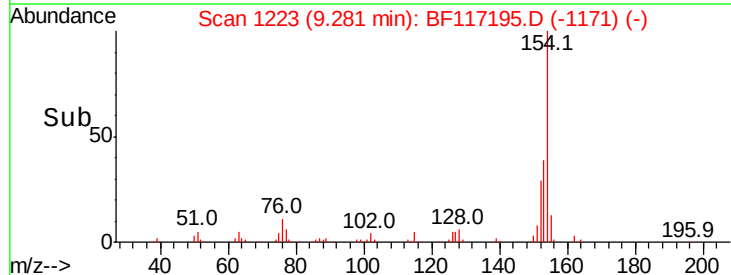
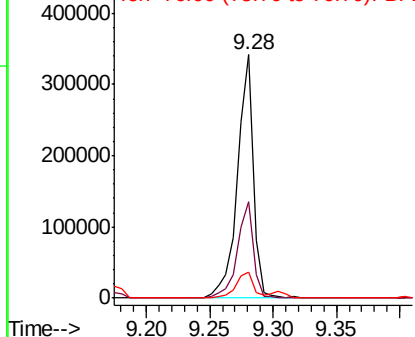


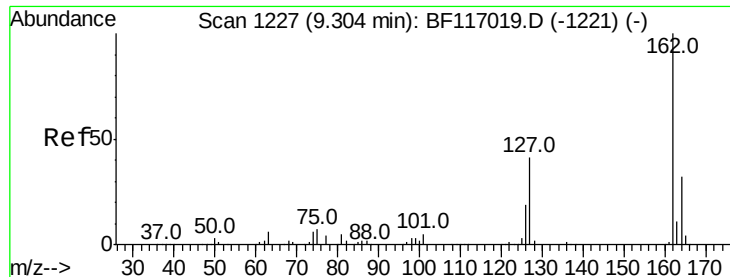
#46  
1,1'-Biphenyl  
Concen: 40.421 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:154 Resp: 294295  
Ion Ratio Lower Upper  
154 100  
153 39.3 20.0 60.0  
76 10.7 0.0 32.7



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

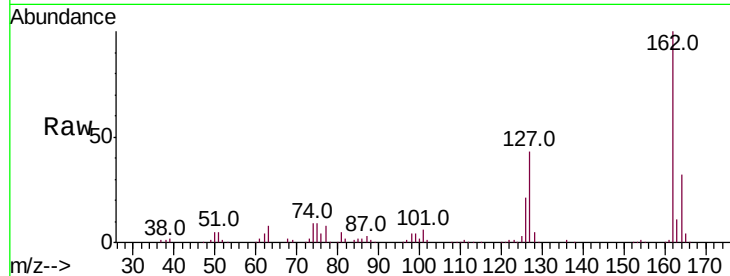




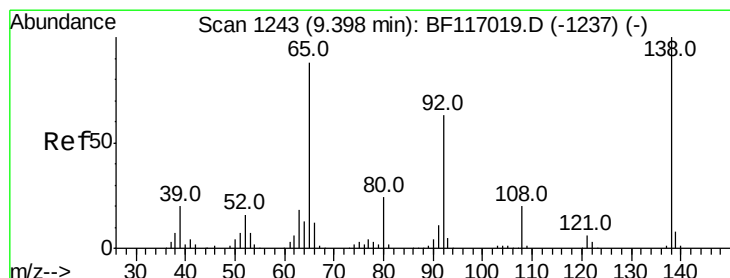
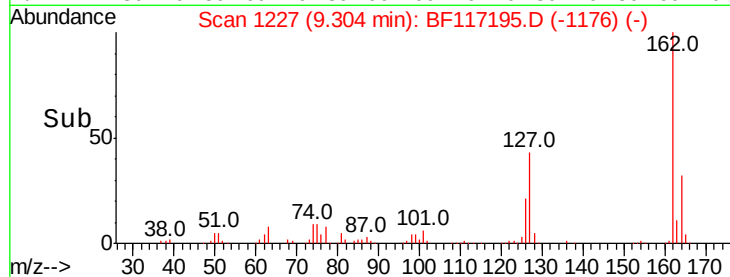
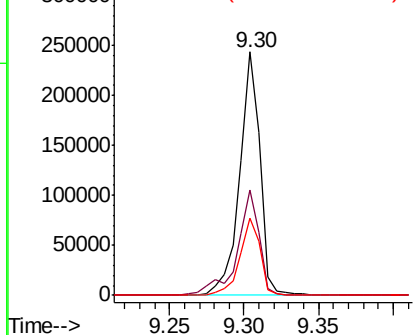
#47  
 2-Chloronaphthalene  
 Concen: 40.287 ng  
 RT: 9.30 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 43.1  | 34.1  | 51.1  |
| 164     | 31.9  | 25.9  | 38.9  |

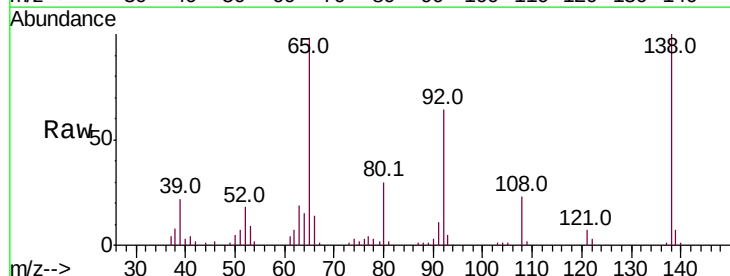


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

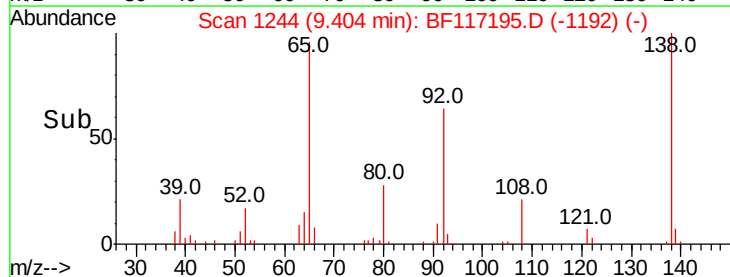
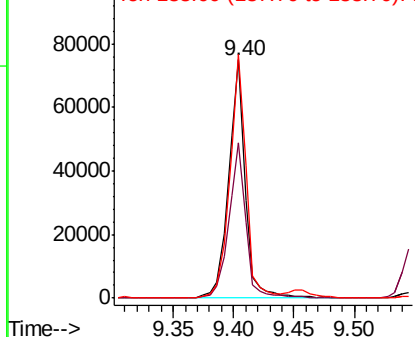


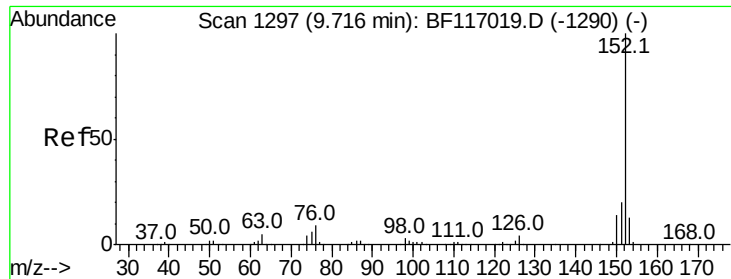
#48  
 2-Nitroaniline  
 Concen: 38.712 ng  
 RT: 9.40 min Scan# 1244  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.3  | 57.5  | 86.3  |
| 138     | 102.3 | 90.6  | 136.0 |



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





#49

Acenaphthylene

Concen: 40.634 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampled :

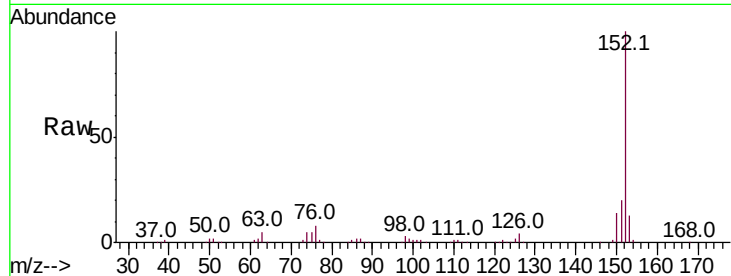
Tot Ion:152 Resp: 349771

Ion Ratio Lower Upper

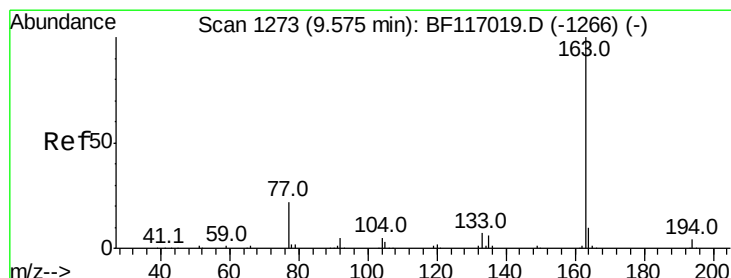
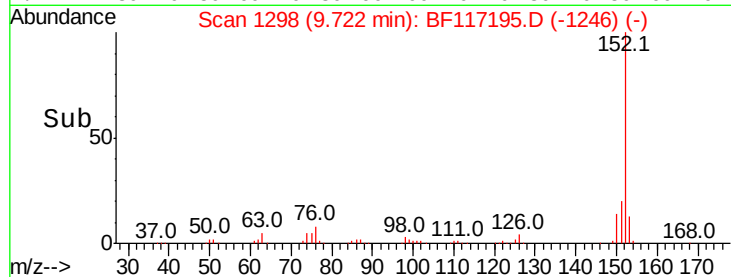
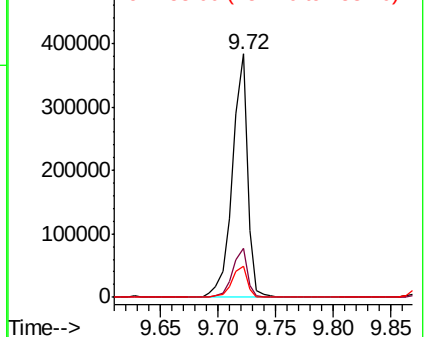
152 100

151 20.2 16.2 24.2

153 12.6 10.2 15.4



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: 41.578 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

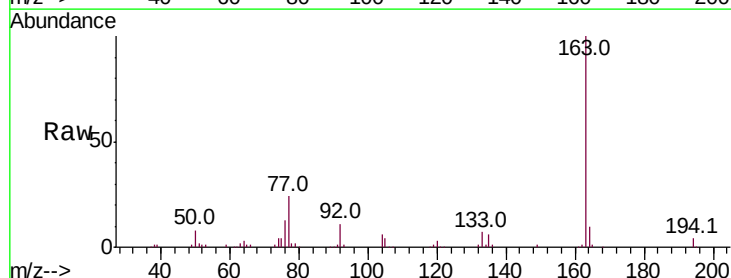
Tgt Ion:163 Resp: 273250

Ion Ratio Lower Upper

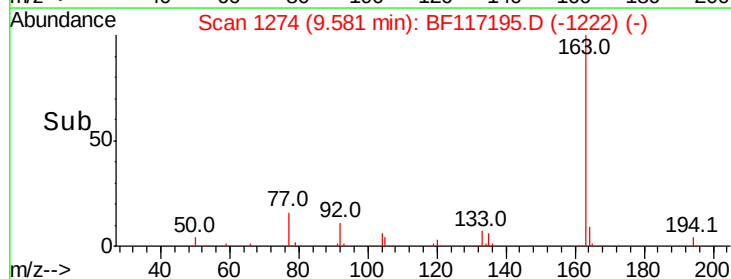
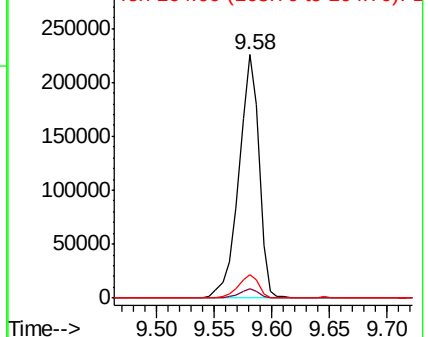
163 100

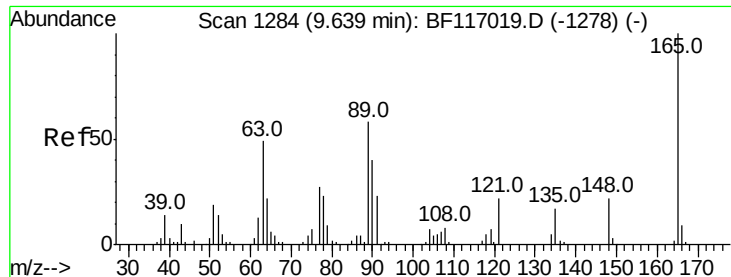
194 3.8 2.9 4.3

164 9.8 8.2 12.4



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

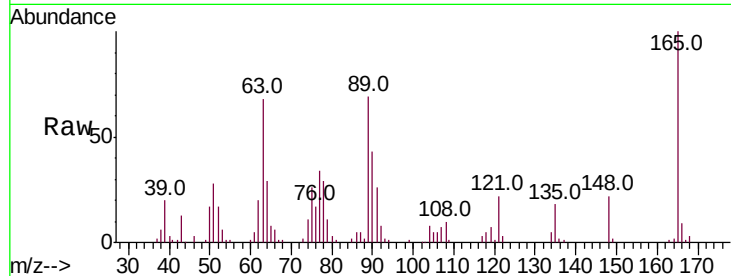




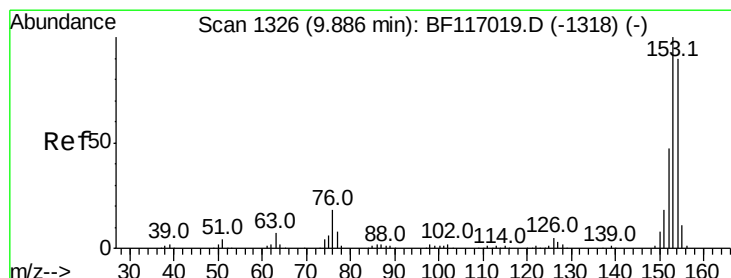
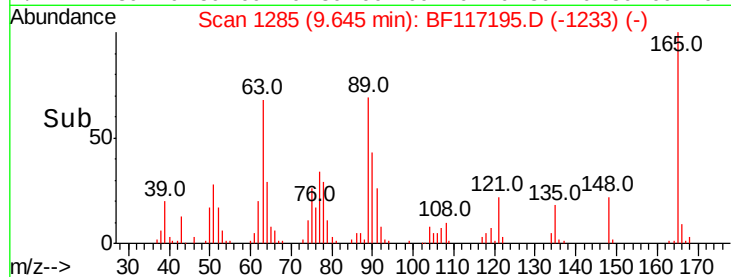
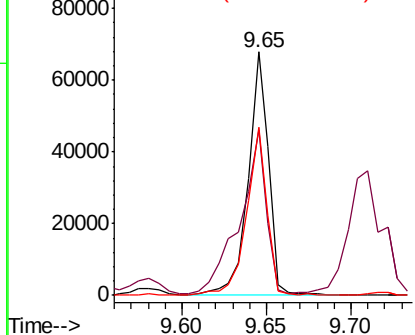
#51  
 2,6-Dinitrotoluene  
 Concen: 42.891 ng  
 RT: 9.65 min Scan# 1285  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:165 Resp: 57410  
 Ion Ratio Lower Upper  
 165 100  
 63 68.0 41.8 62.8#  
 89 69.1 46.5 69.7

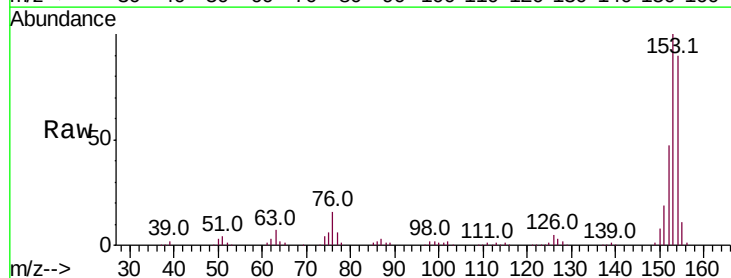


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

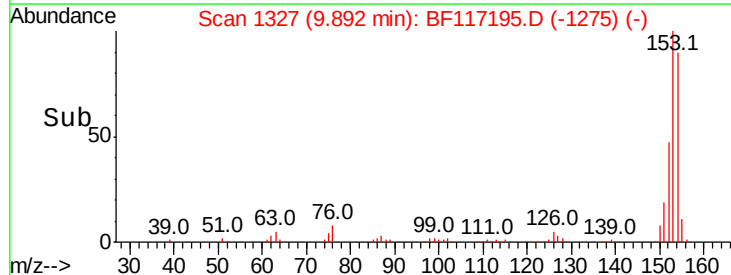
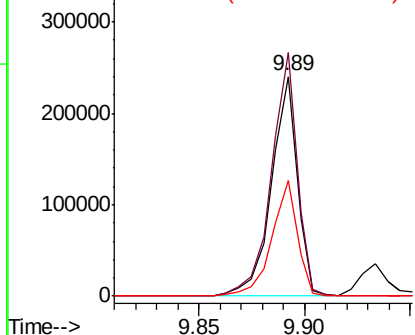


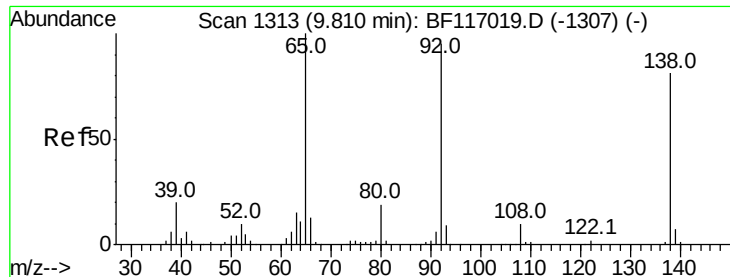
#52  
 Acenaphthene  
 Concen: 40.355 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:154 Resp: 205915  
 Ion Ratio Lower Upper  
 154 100  
 153 111.0 89.0 133.6  
 152 52.6 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E

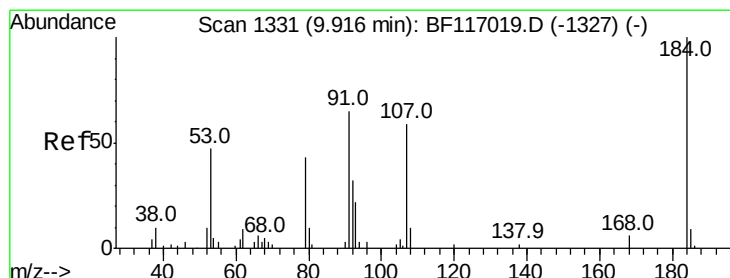
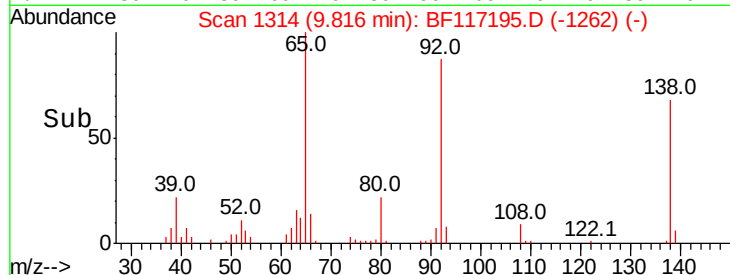
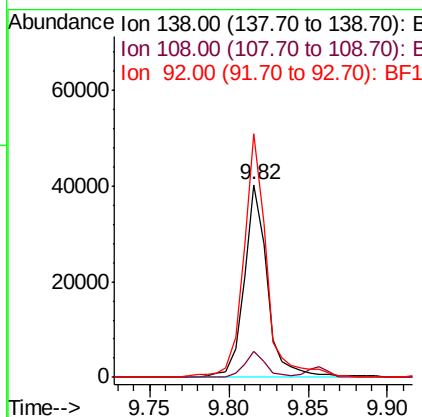
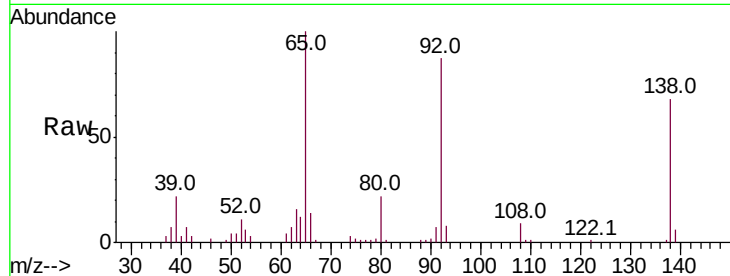




#53  
 3-Nitroaniline  
 Concen: 23.974 ng  
 RT: 9.82 min Scan# 1314  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

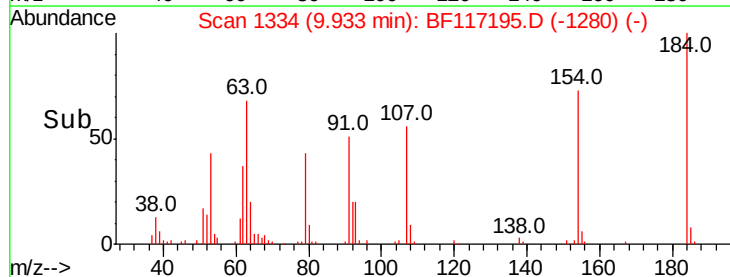
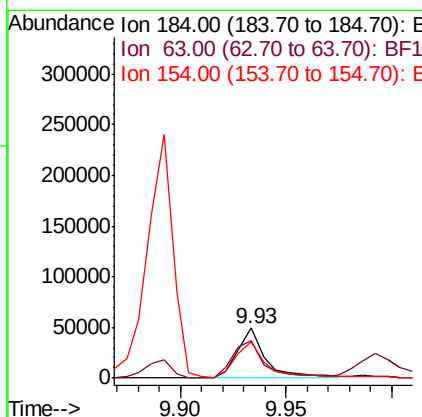
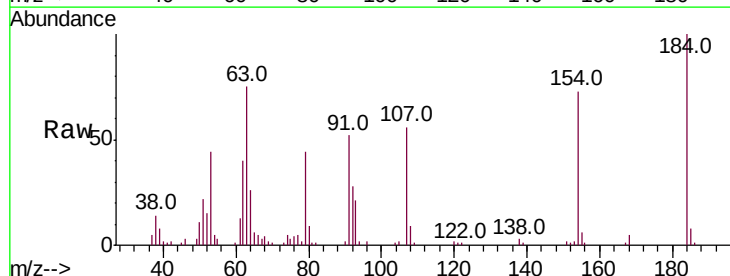
Instrument :  
 BNA\_F  
 ClientSampleId :

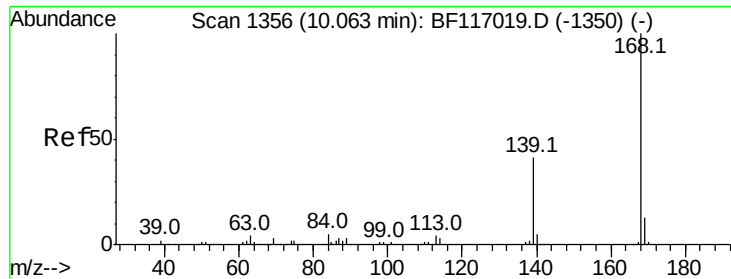
Tot Ion:138 Resp: 40486  
 Ion Ratio Lower Upper  
 138 100  
 108 13.3 9.5 14.3  
 92 126.5 94.1 141.1



#54  
 2,4-Dinitrophenol  
 Concen: 79.210 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. 0.02 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:184 Resp: 45721  
 Ion Ratio Lower Upper  
 184 100  
 63 75.3 63.8 95.6  
 154 72.6 60.4 90.6

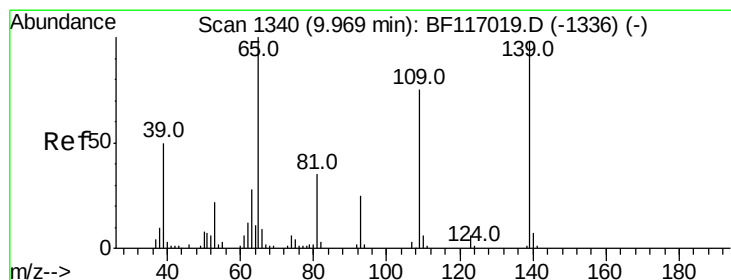
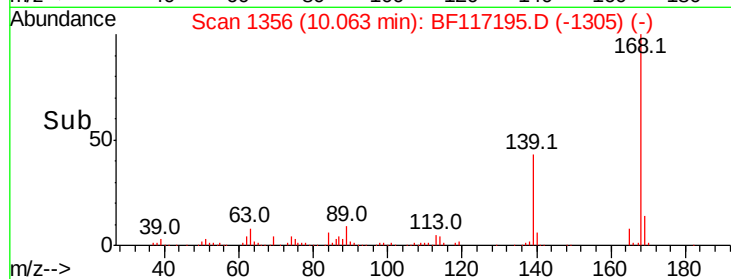
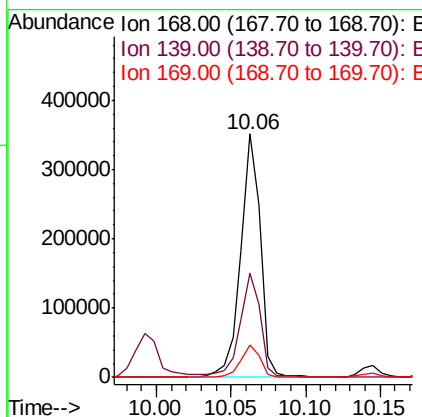
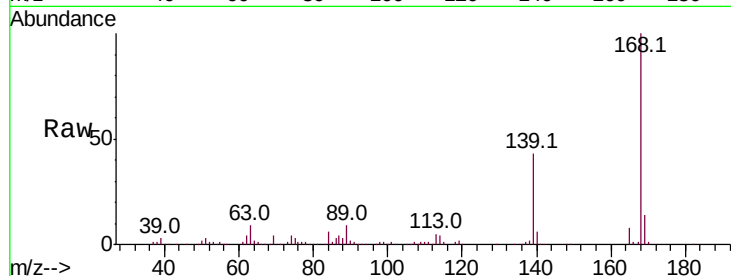




#55  
Dibenzofuran  
Concen: 42.837 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

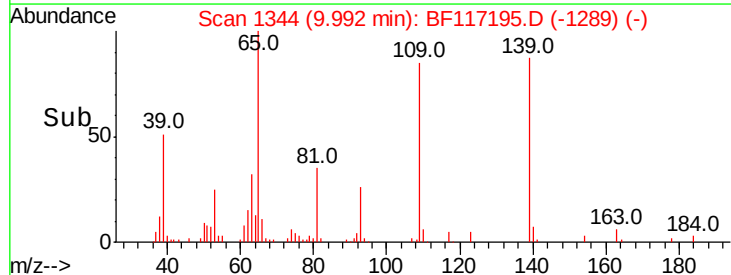
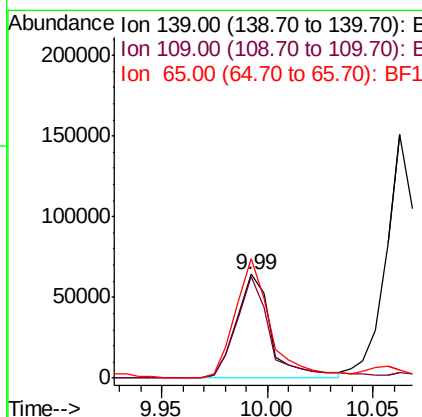
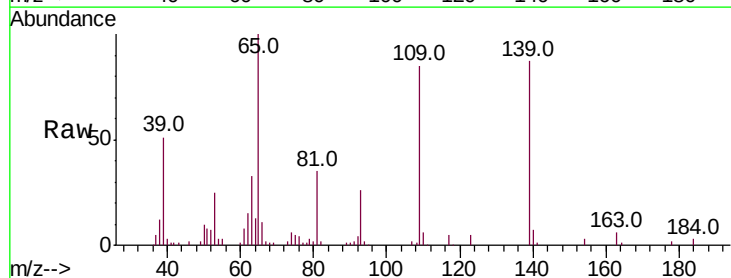
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 42.9  | 32.8  | 49.2  |
| 169     | 13.6  | 10.5  | 15.7  |

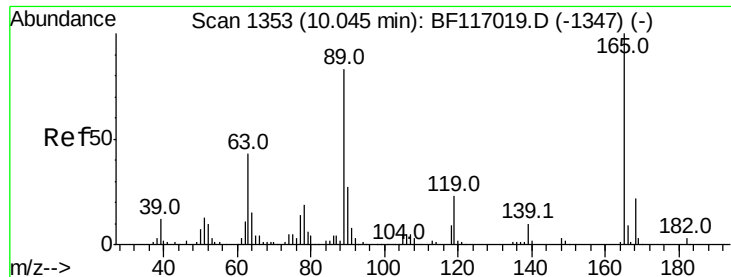


#56  
4-Nitrophenol  
Concen: 67.667 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.02 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 98.0  | 56.4  | 96.4# |
| 65      | 115.4 | 82.5  | 122.5 |



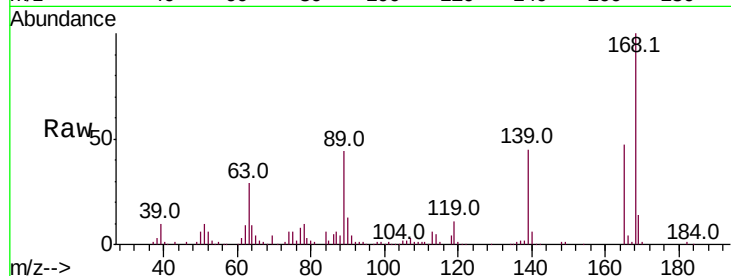




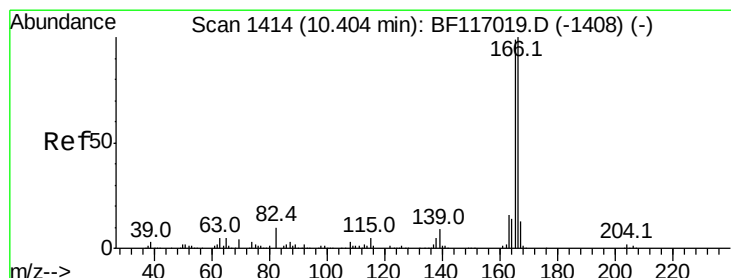
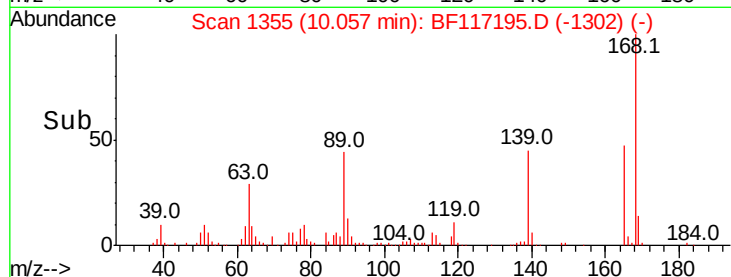
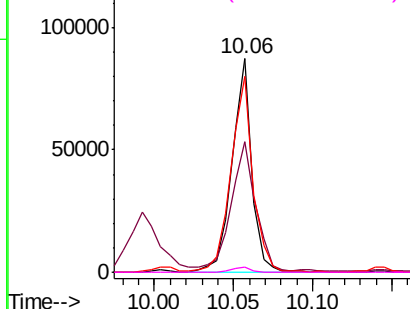
#57  
2,4-Dinitrotoluene  
Concen: 43.488 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 61.1  | 35.0  | 52.4# |
| 89      | 91.8  | 66.1  | 99.1  |
| 182     | 2.3   | 2.0   | 3.0   |

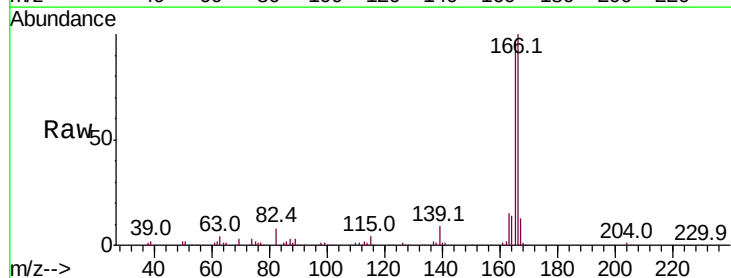


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

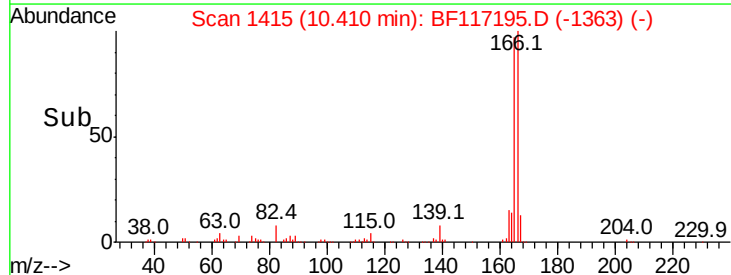
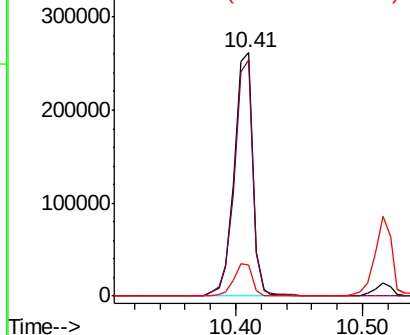


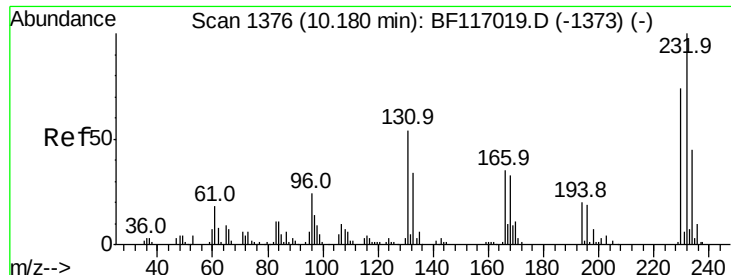
#58  
Fluorene  
Concen: 43.262 ng  
RT: 10.41 min Scan# 1415  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.8  | 78.9  | 118.3 |
| 167     | 12.7  | 10.6  | 15.8  |



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

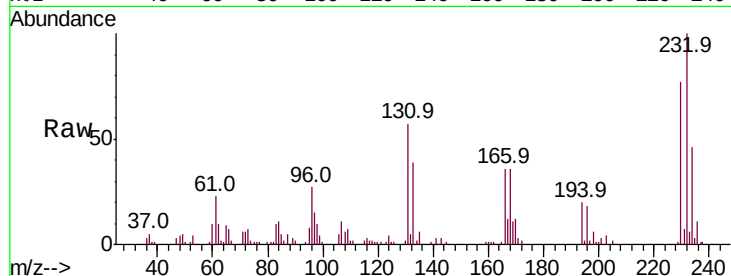




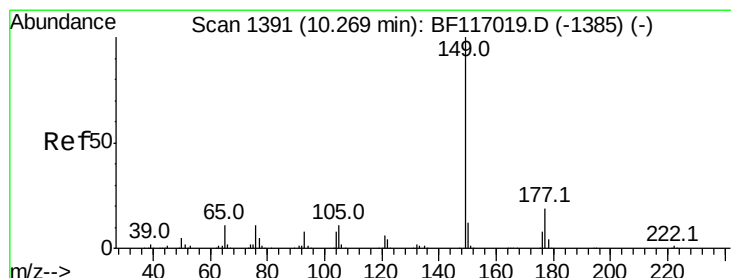
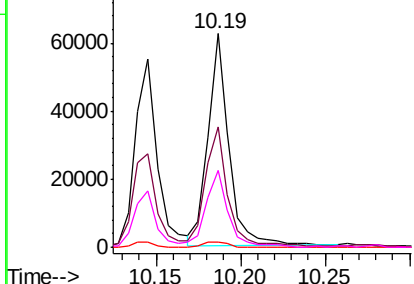
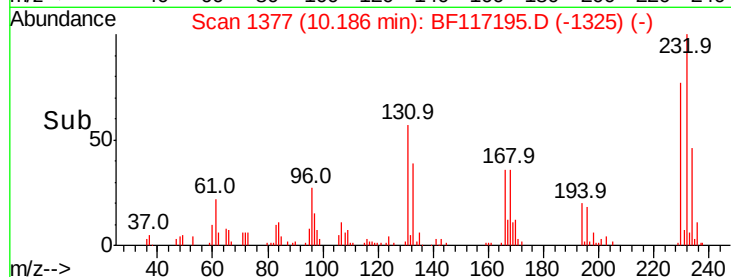
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 40.872 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:232 Resp: 54354  
 Ion Ratio Lower Upper  
 232 100  
 131 62.9 45.3 67.9  
 130 2.9 1.8 2.8#  
 166 39.2 29.4 44.2

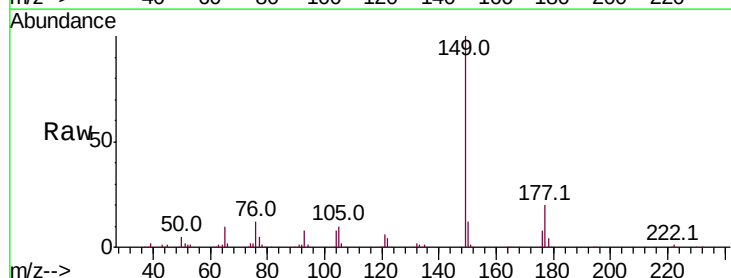


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

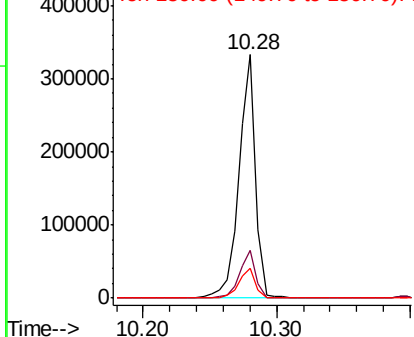
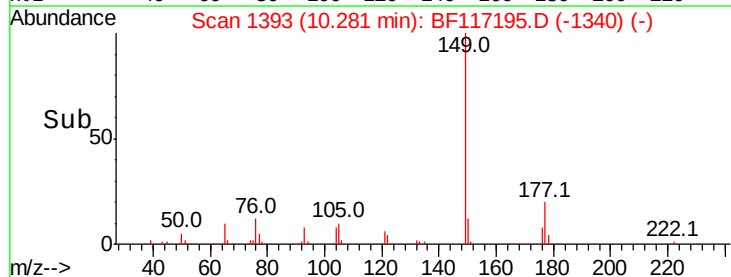


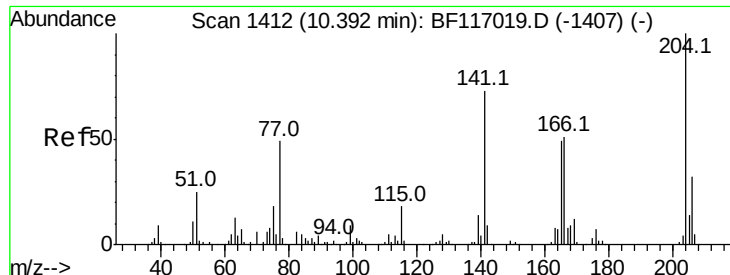
#60  
 Diethylphthalate  
 Concen: 44.384 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:149 Resp: 286970  
 Ion Ratio Lower Upper  
 149 100  
 177 19.6 15.2 22.8  
 150 12.2 9.9 14.9



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

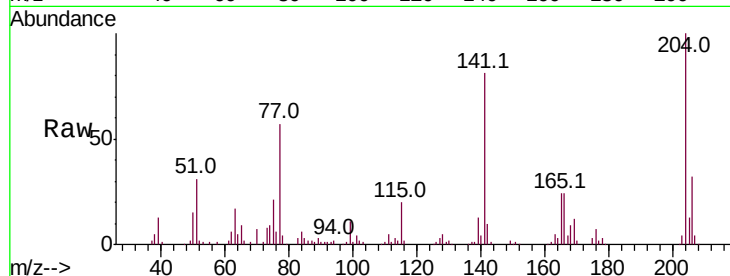




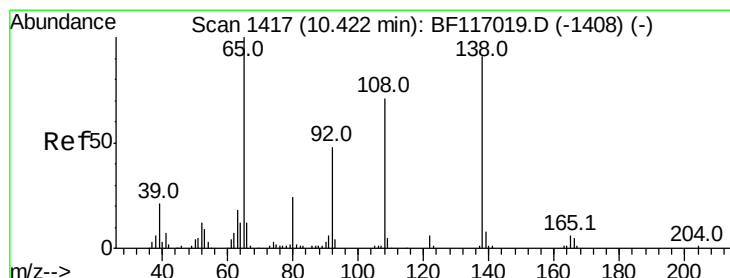
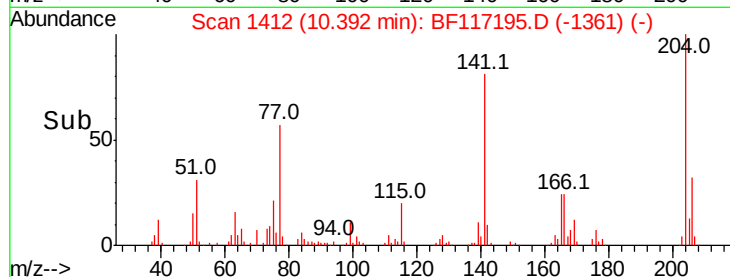
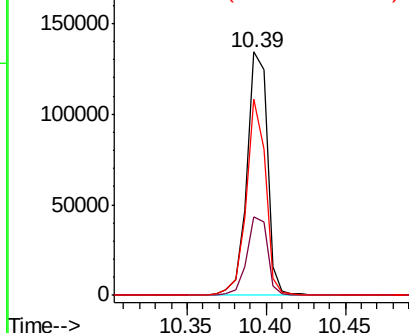
#61  
4-Chlorophenyl-phenylether  
Concen: 45.832 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:204 Resp: 120258  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.0 39.0  
141 80.8 58.2 87.2

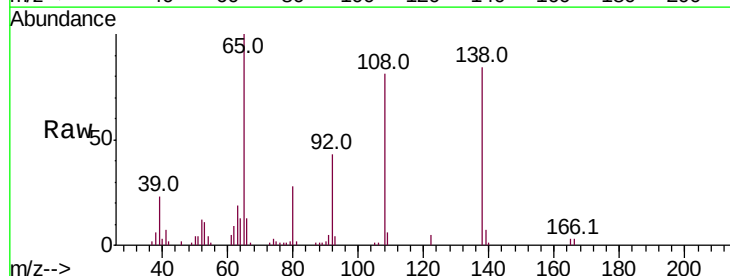


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

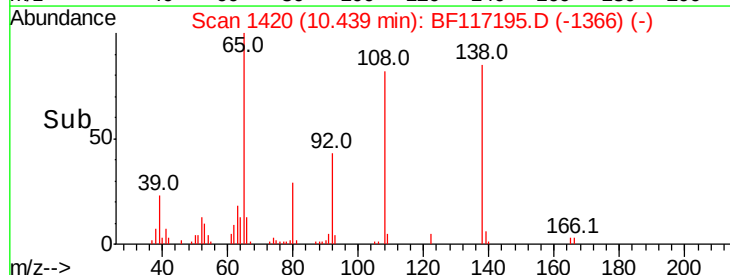
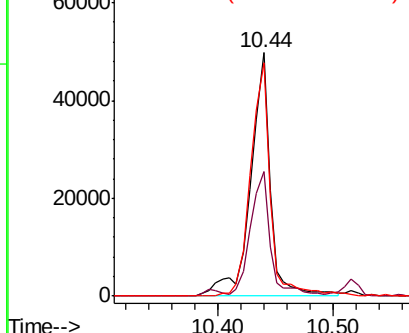


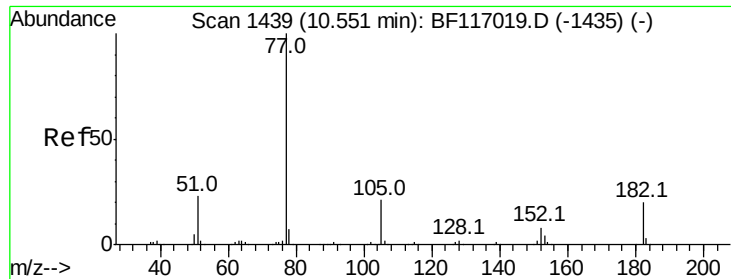
#62  
4-Nitroaniline  
Concen: 33.973 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. 0.02 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:138 Resp: 59666  
Ion Ratio Lower Upper  
138 100  
92 51.1 32.9 72.9  
108 96.0 58.3 98.3



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





#63

Azobenzene

Concen: 43.763 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 77 Resp: 288991

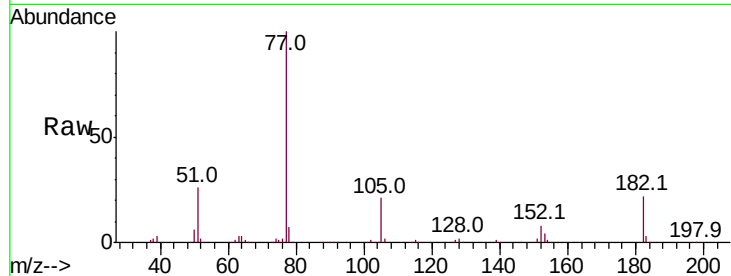
Ion Ratio Lower Upper

77 100

182 21.5 0.4 40.4

105 21.4 0.9 40.9

51 26.4 2.8 42.8

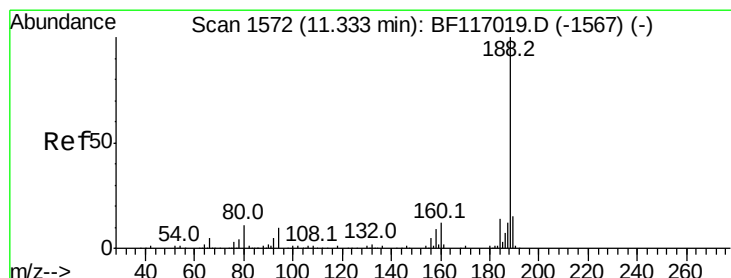
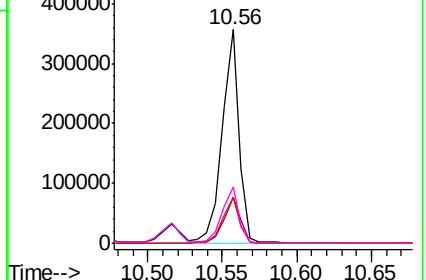
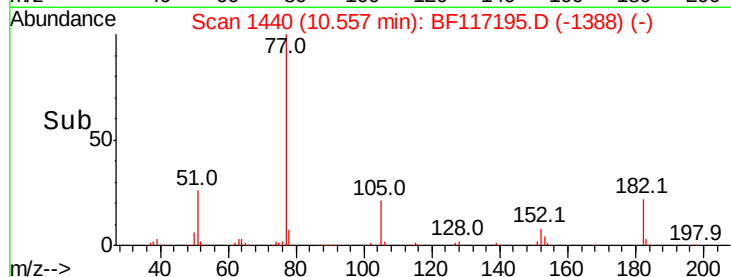


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

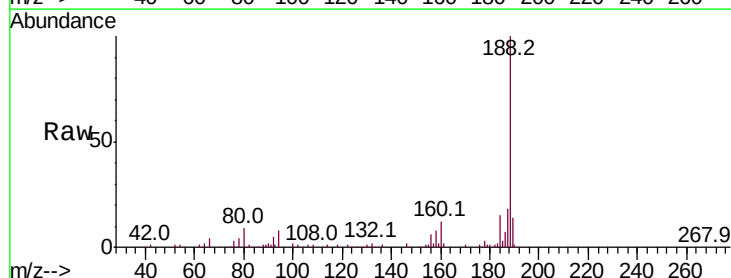
Tgt Ion: 188 Resp: 150621

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

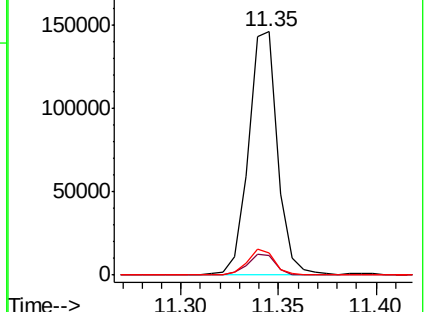
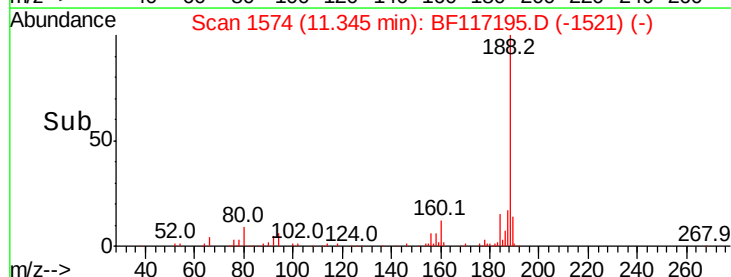
80 8.9 9.0 13.6#

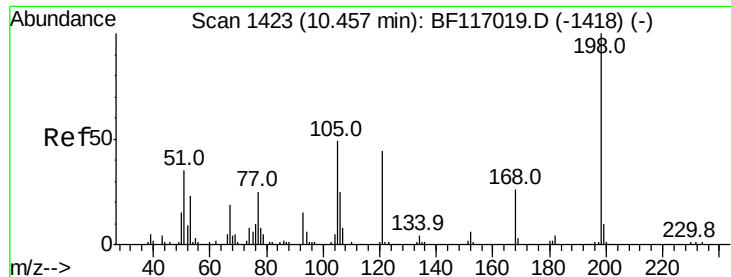


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

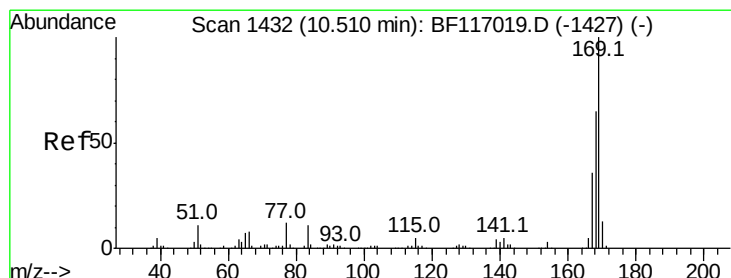
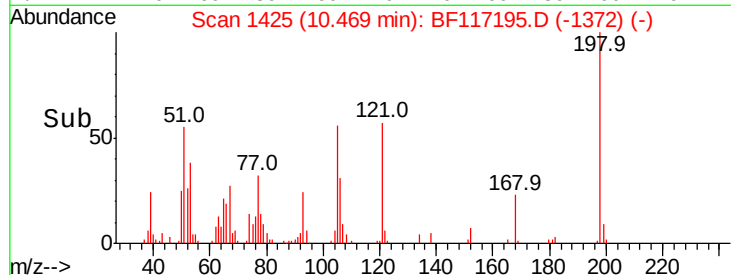
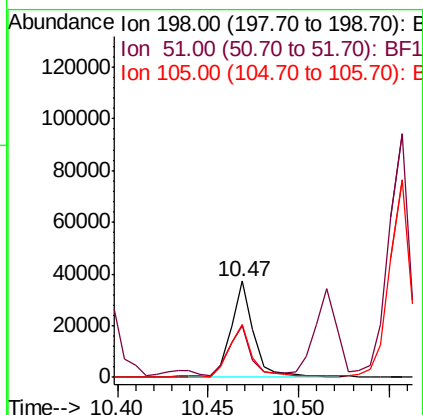
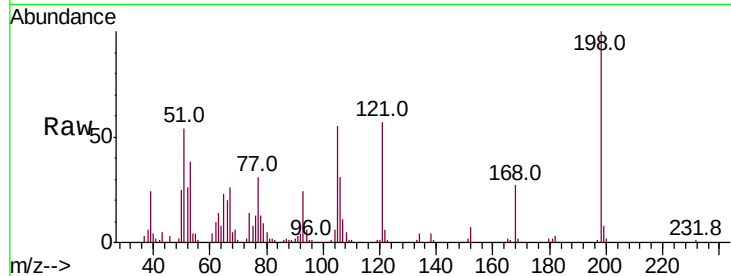




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.039 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

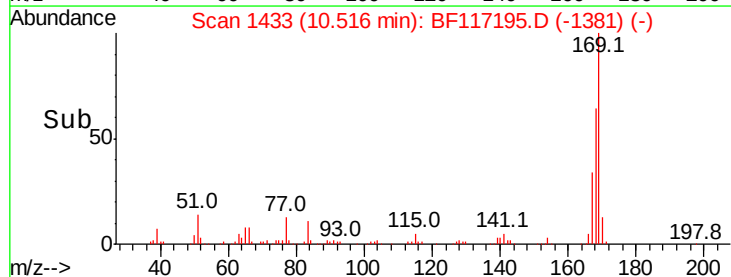
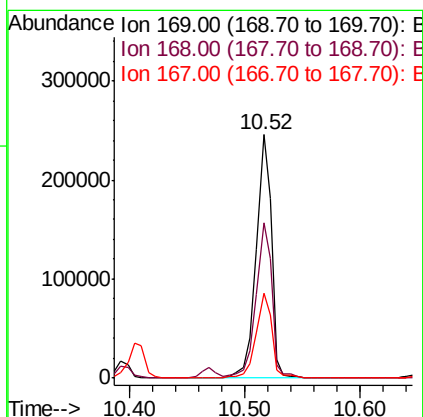
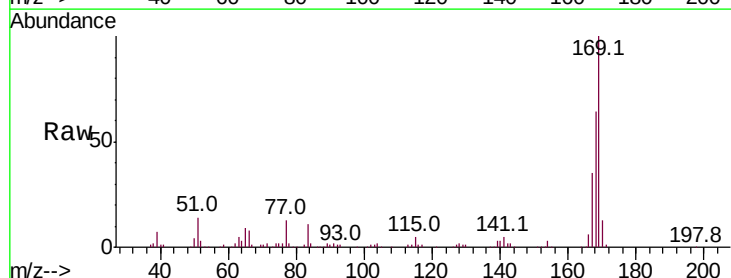
Instrument :  
BNA\_F  
ClientSampled :

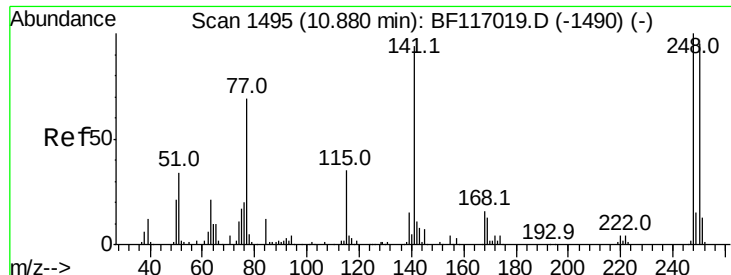
Tot Ion:198 Resp: 32172  
Ion Ratio Lower Upper  
198 100  
51 54.0 18.7 58.7  
105 55.1 30.2 70.2



#66  
n-Nitrosodiphenylamine  
Concen: 43.764 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:169 Resp: 227653  
Ion Ratio Lower Upper  
169 100  
168 64.0 52.2 78.2  
167 34.6 28.8 43.2

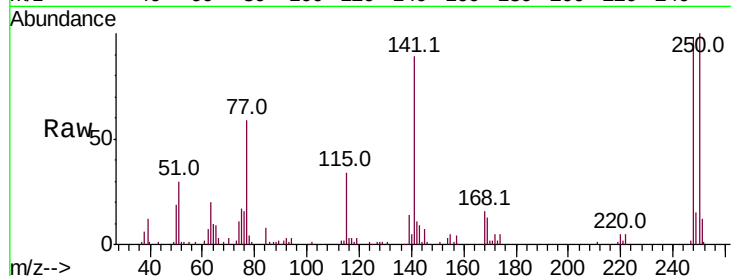




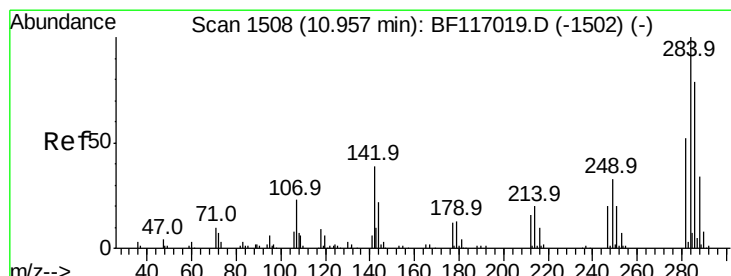
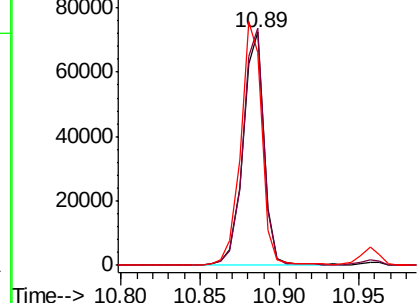
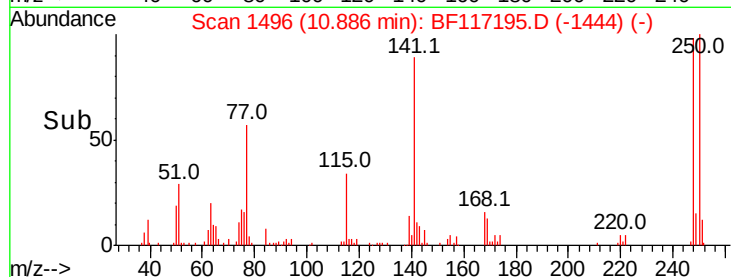
#67  
 4-Bromophenyl-phenylether  
 Concen: 43.125 ng  
 RT: 10.89 min Scan# 1496  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 66335  
 Ion Ratio Lower Upper  
 248 100  
 250 101.9 76.2 114.4  
 141 91.1 75.0 112.4

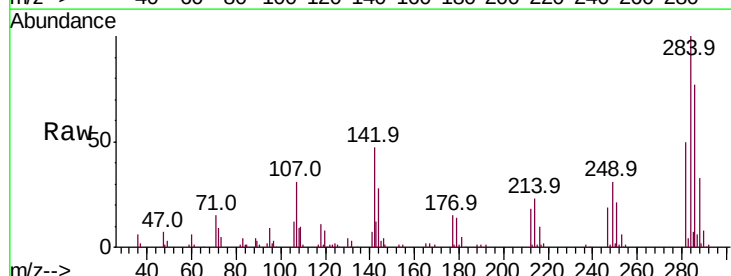


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

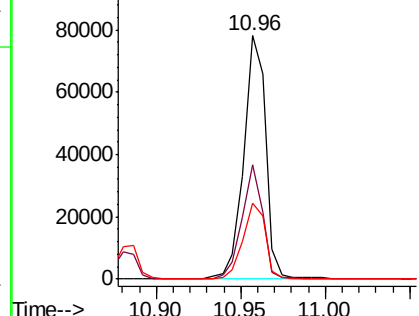
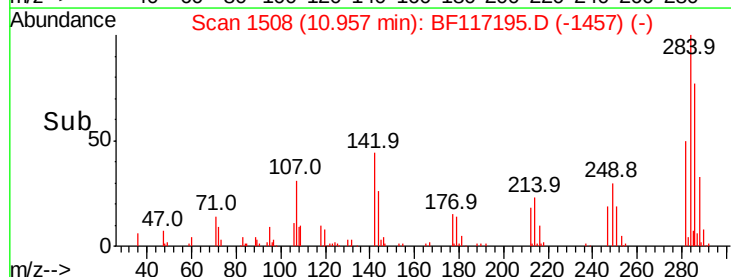


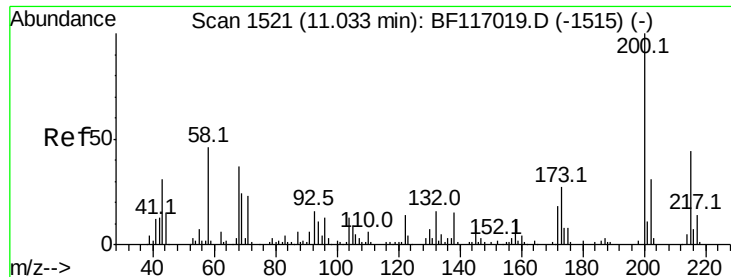
#68  
 Hexachlorobenzene  
 Concen: 42.065 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. 0.00 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:284 Resp: 70772  
 Ion Ratio Lower Upper  
 284 100  
 142 46.8 31.4 47.2  
 249 31.3 26.5 39.7



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

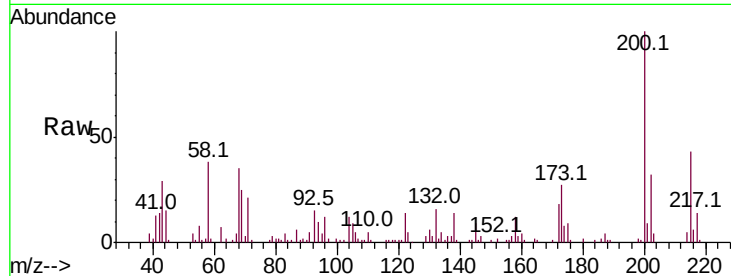




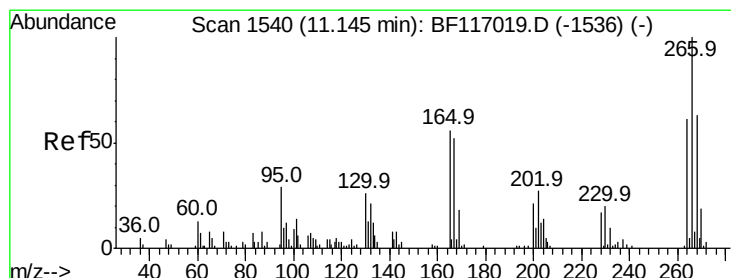
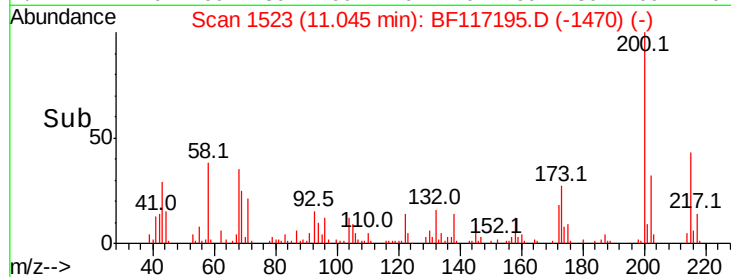
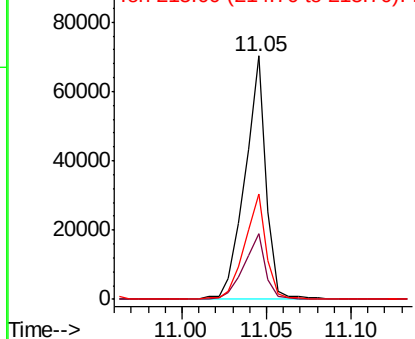
#69  
 Atrazine  
 Concen: 48.236 ng  
 RT: 11.05 min Scan# 1523  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:200 Resp: 61238  
 Ion Ratio Lower Upper  
 200 100  
 173 27.0 6.9 46.9  
 215 43.4 23.8 63.8

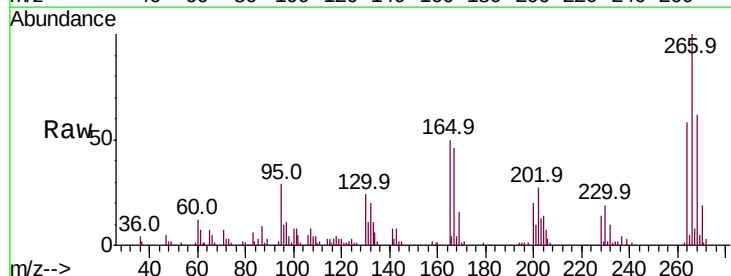


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

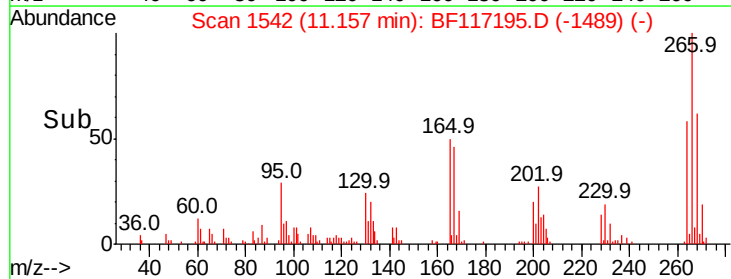
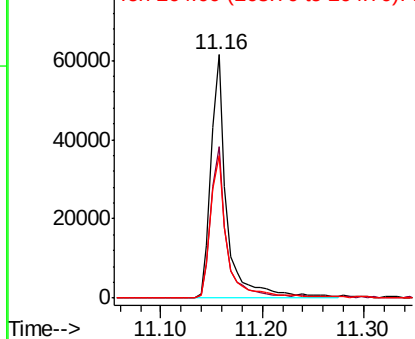


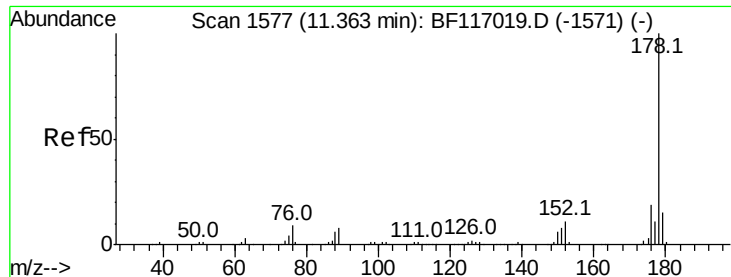
#70  
 Pentachlorophenol  
 Concen: 85.326 ng  
 RT: 11.16 min Scan# 1542  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:266 Resp: 67291  
 Ion Ratio Lower Upper  
 266 100  
 268 62.4 50.5 75.7  
 264 58.5 48.8 73.2



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: 41.743 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampled :

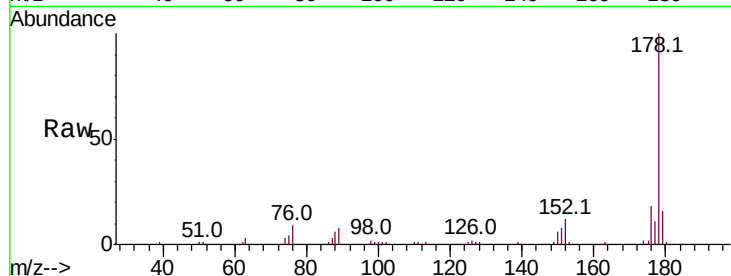
Tot Ion:178 Resp: 357121

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

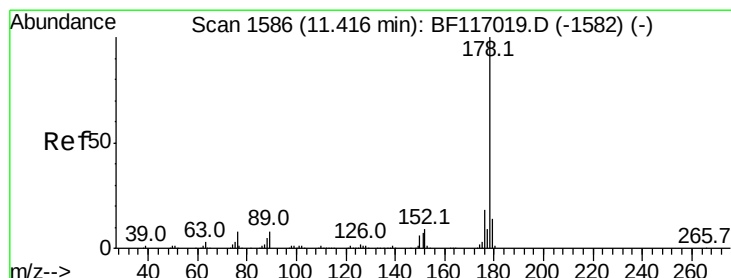
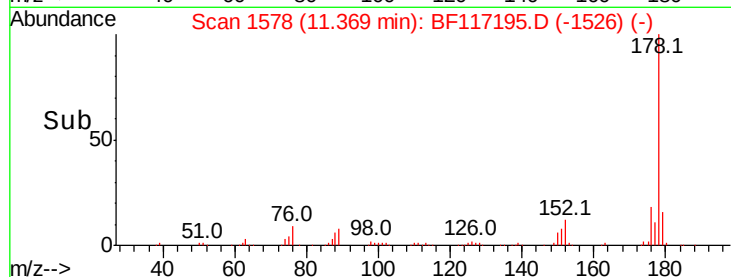
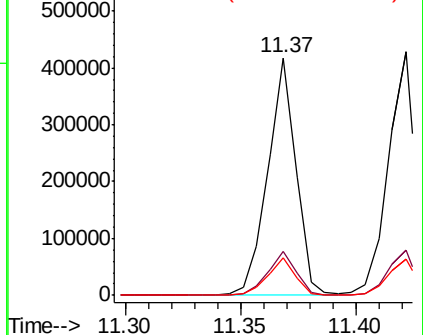
179 15.7 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.867 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

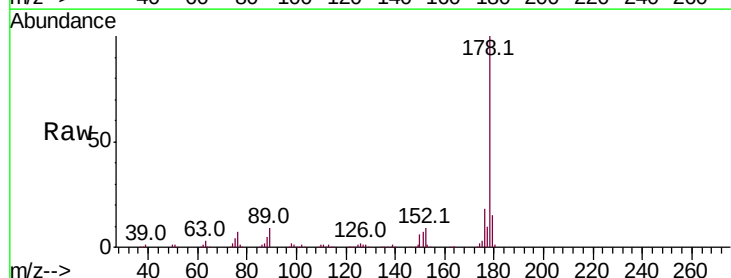
Tgt Ion:178 Resp: 365674

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

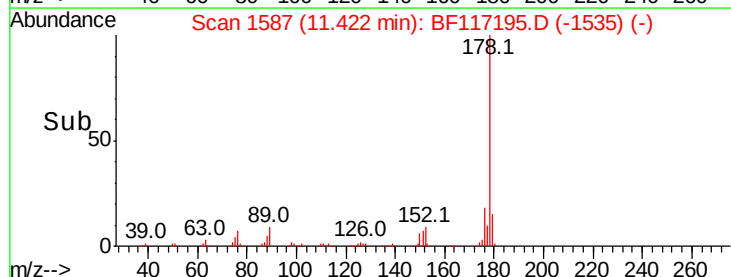
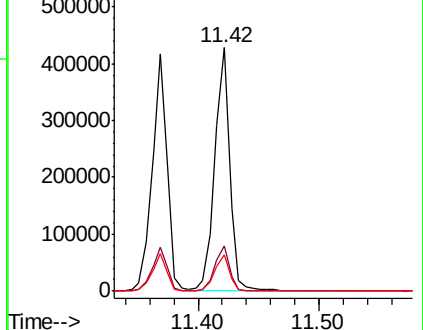
179 15.1 11.6 17.4



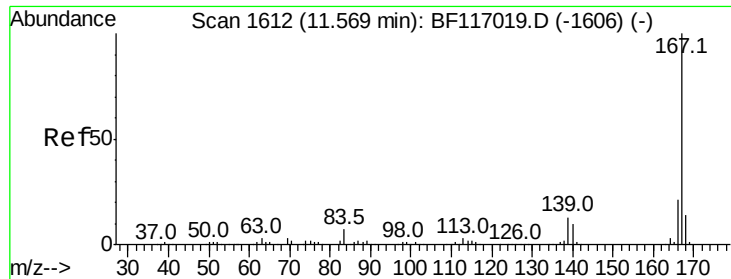
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



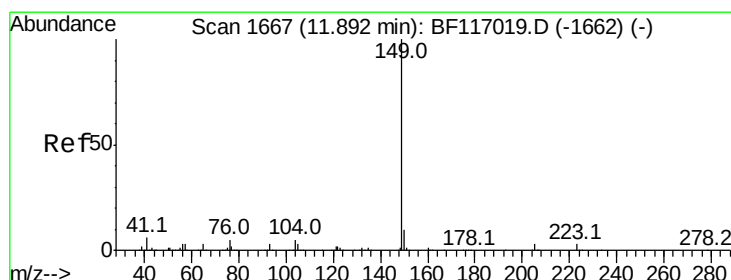
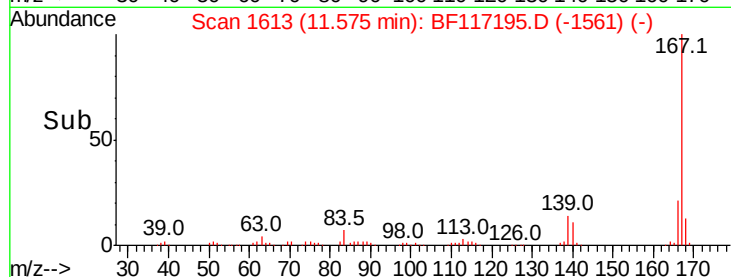
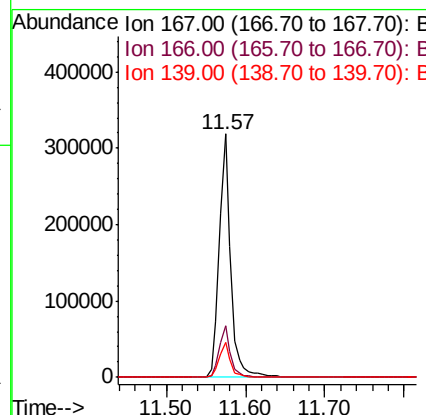
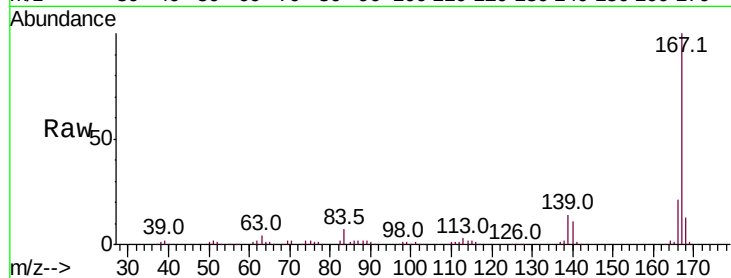




#73  
 Carbazole  
 Concen: 38.788 ng  
 RT: 11.57 min Scan# 1613  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

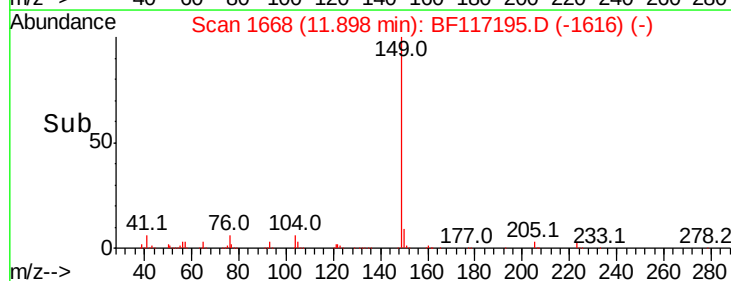
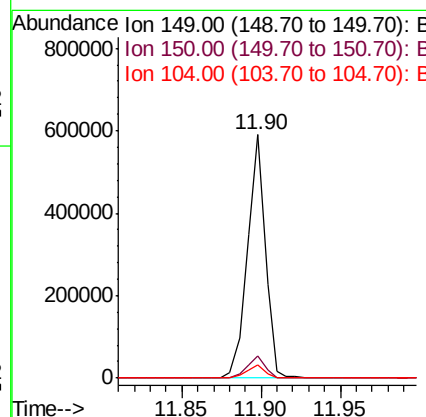
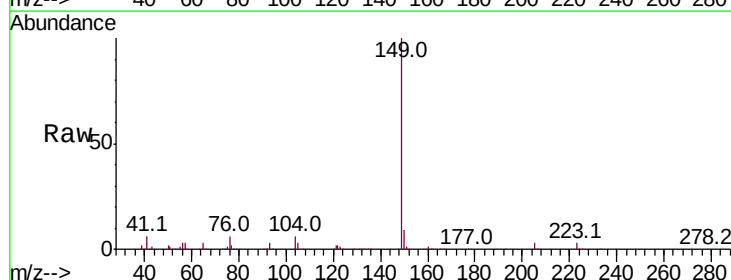
Instrument :  
 BNA\_F  
 ClientSampleId :

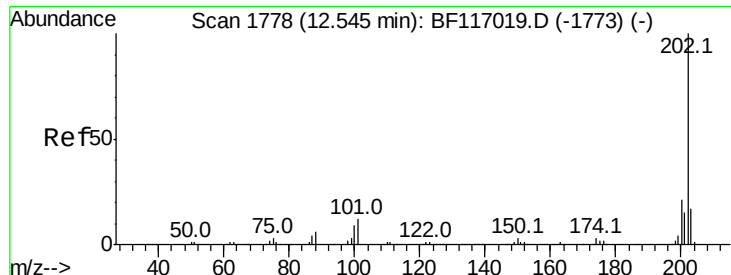
Tot Ion:167 Resp: 321572  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.2 25.8  
 139 14.1 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 46.909 ng  
 RT: 11.90 min Scan# 1668  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Tgt Ion:149 Resp: 462705  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.7 11.5  
 104 5.5 4.2 6.4

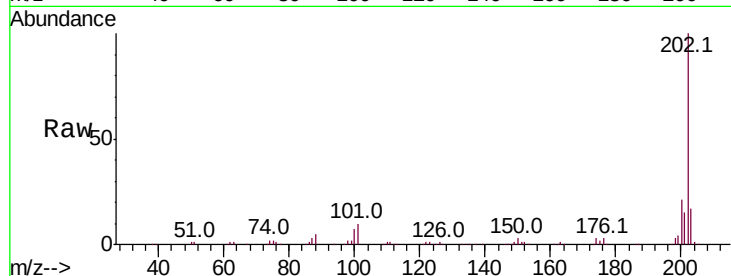




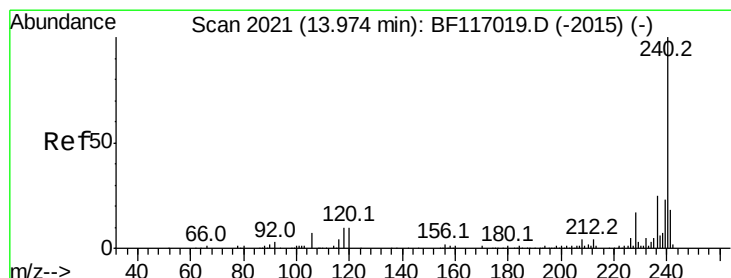
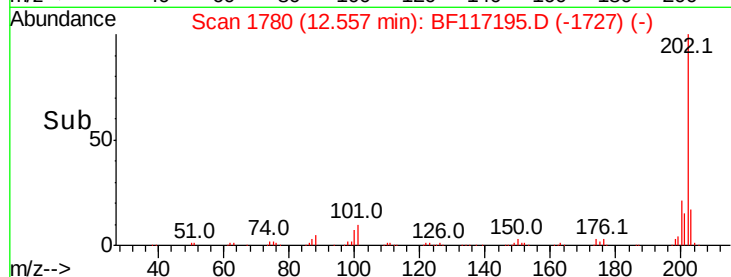
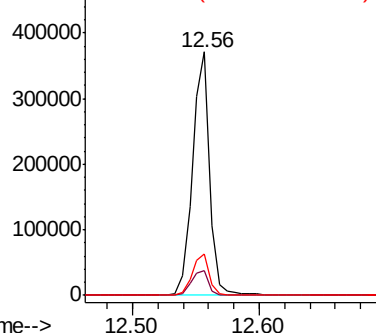
#75  
 Fluoranthene  
 Concen: 39.874 ng  
 RT: 12.56 min Scan# 1780  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.9   | 0.0   | 32.3  |
| 203     | 16.9  | 0.0   | 37.1  |

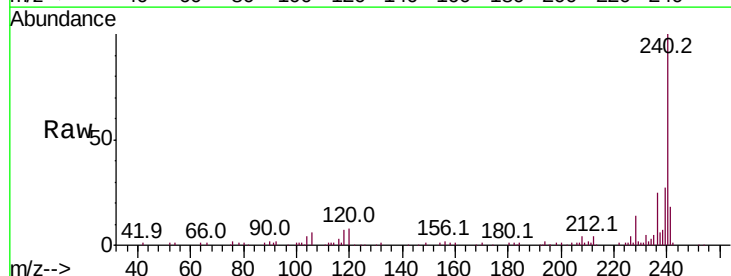


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

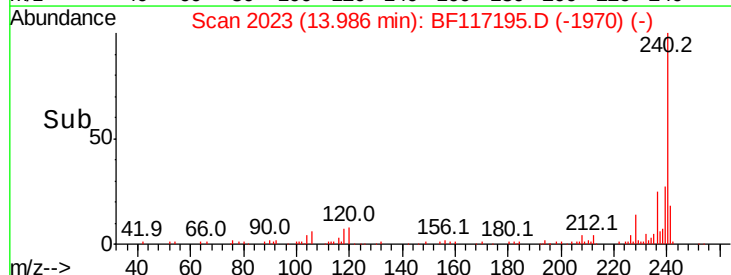
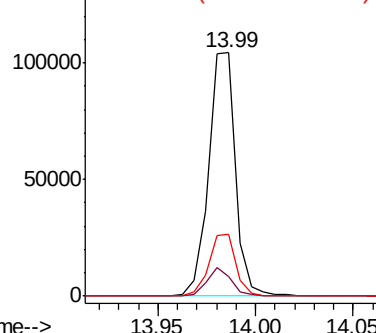


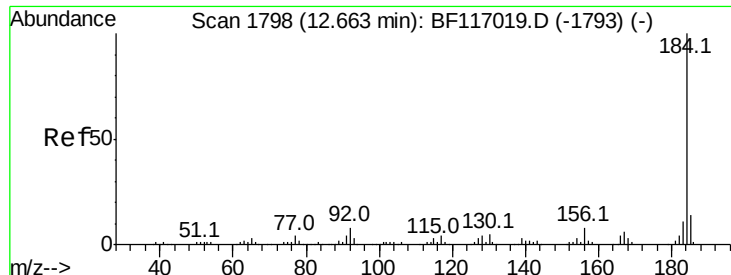
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.2   | 8.3   | 12.5# |
| 236     | 25.2  | 20.3  | 30.5  |



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

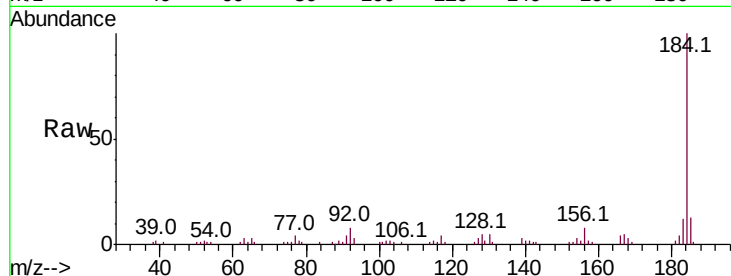




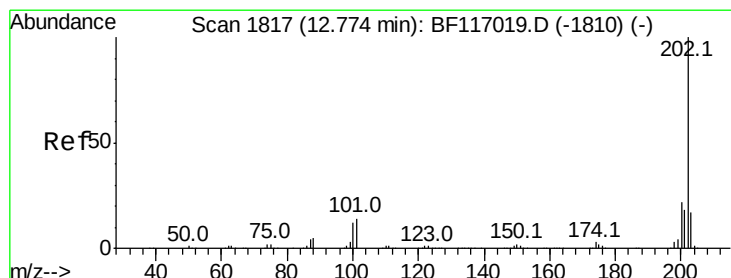
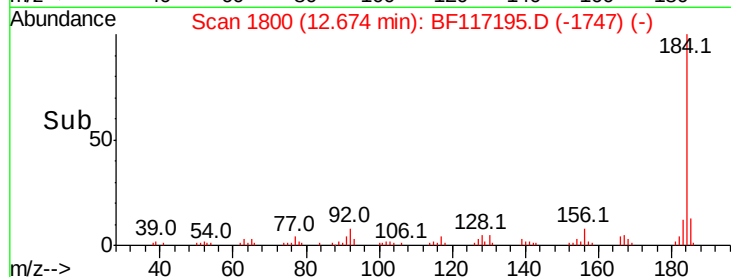
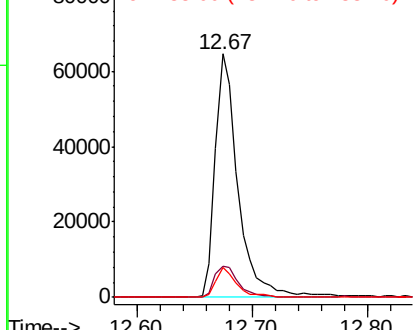
#77  
Benzidine  
Concen: 27.794 ng  
RT: 12.67 min Scan# 1800  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 89037  
Ion Ratio Lower Upper  
184 100  
185 12.8 11.6 17.4  
183 12.2 9.0 13.4

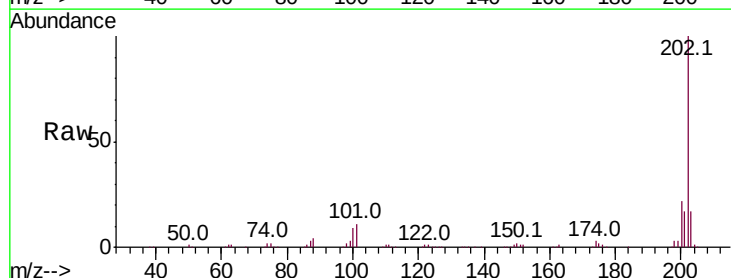


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

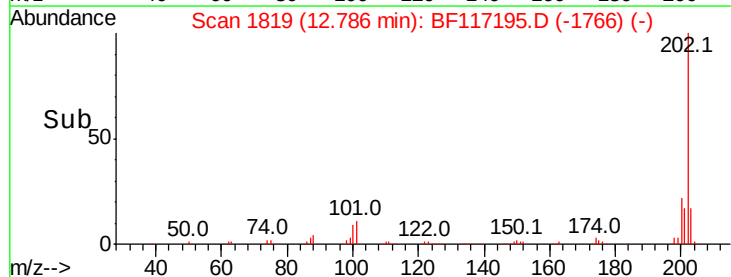
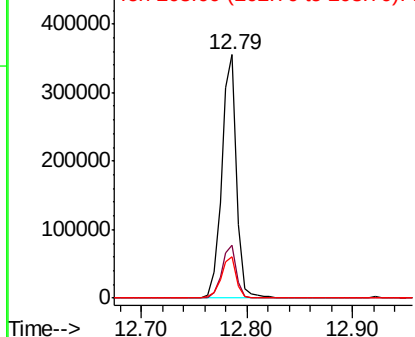


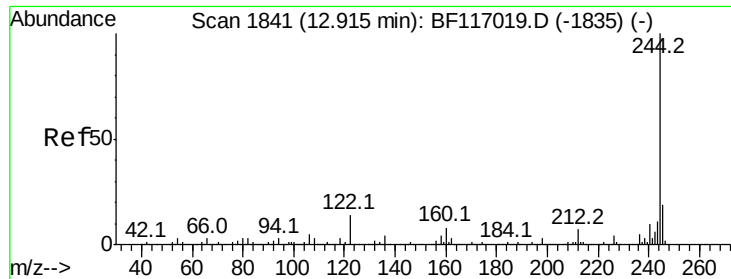
#78  
Pyrene  
Concen: 41.644 ng  
RT: 12.79 min Scan# 1819  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:202 Resp: 347503  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.2 25.8  
203 17.1 14.0 21.0



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

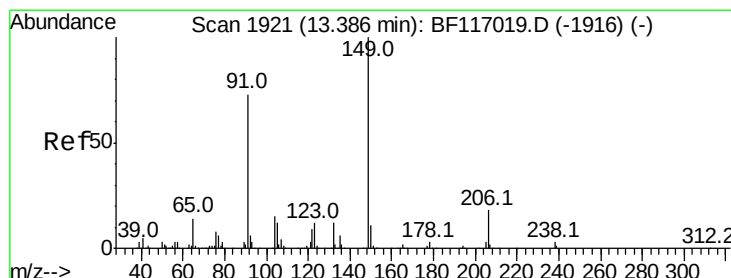
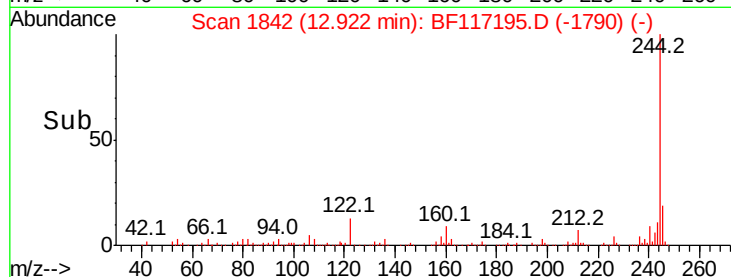
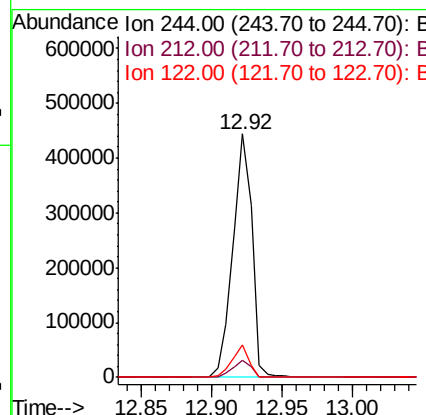
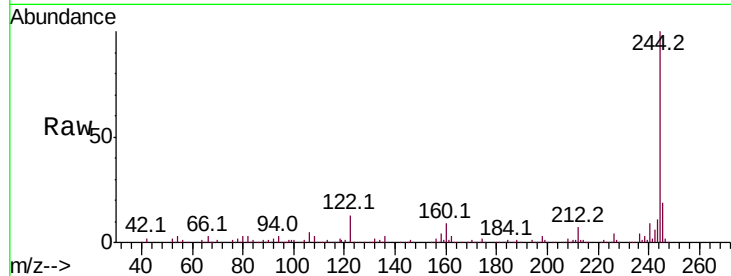




#79  
 Terphenyl-d14  
 Concen: 78.438 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

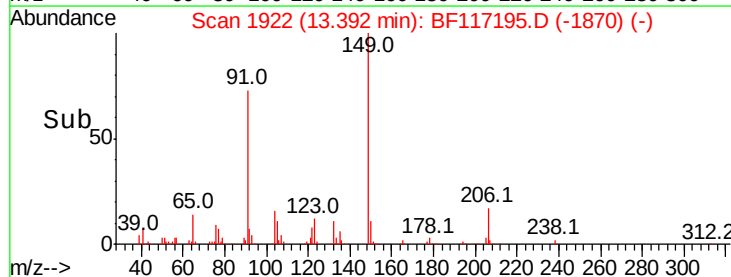
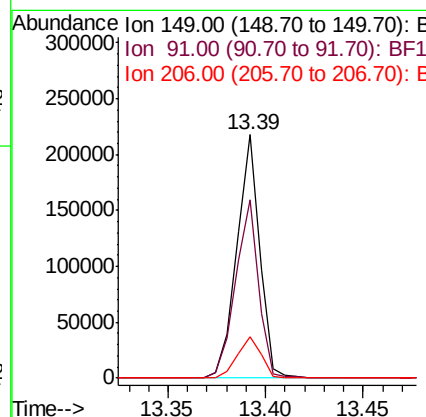
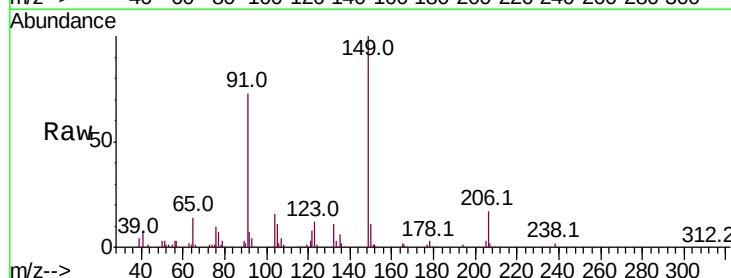
Instrument :  
 BNA\_F  
 ClientSampleId :

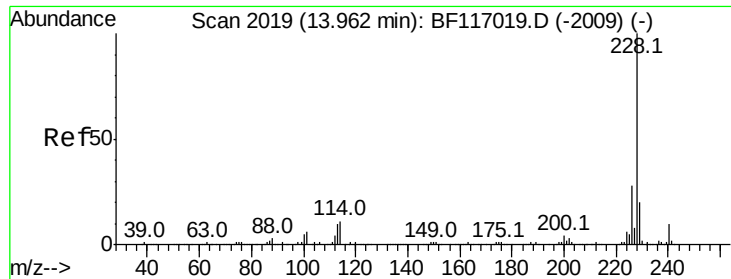
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.8   | 8.8   |
| 122     | 13.1  | 11.3  | 16.9  |



#80  
 Butylbenzylphthalate  
 Concen: 45.182 ng  
 RT: 13.39 min Scan# 1922  
 Delta R.T. 0.01 min  
 Lab File: BF117195.D  
 Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 73.1  | 58.8  | 88.2  |
| 206     | 17.1  | 14.1  | 21.1  |





#81

Benzo(a)anthracene

Concen: 39.918 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

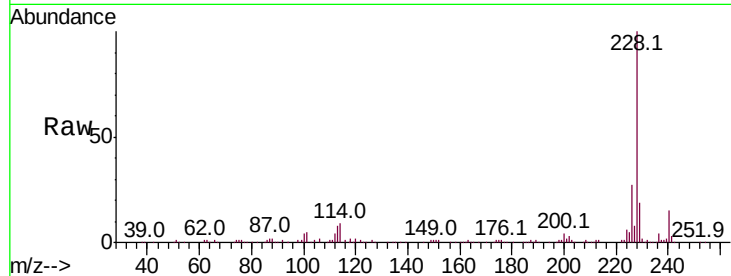
Tot Ion:228 Resp: 265227

Ion Ratio Lower Upper

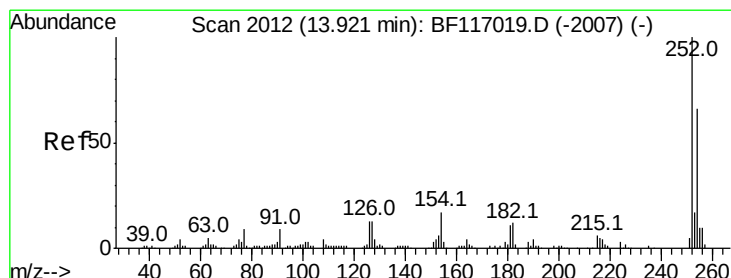
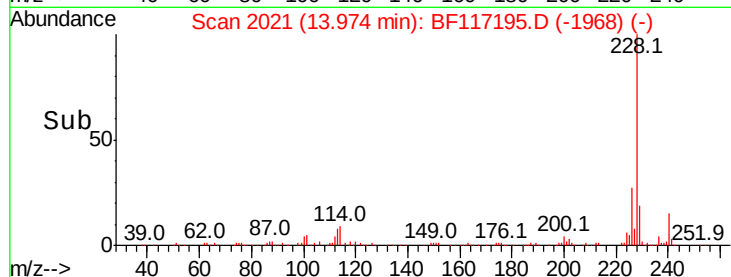
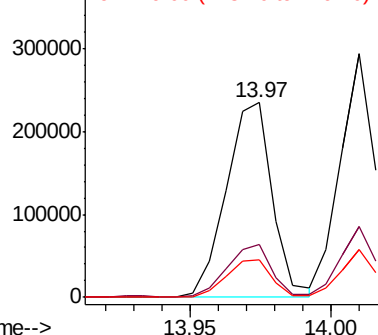
228 100

226 27.4 22.3 33.5

229 19.3 15.9 23.9



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



#82

3,3'-Dichlorobenzidine

Concen: 34.903 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

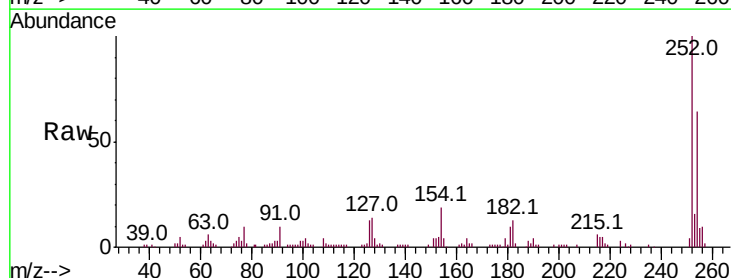
Tgt Ion:252 Resp: 74731

Ion Ratio Lower Upper

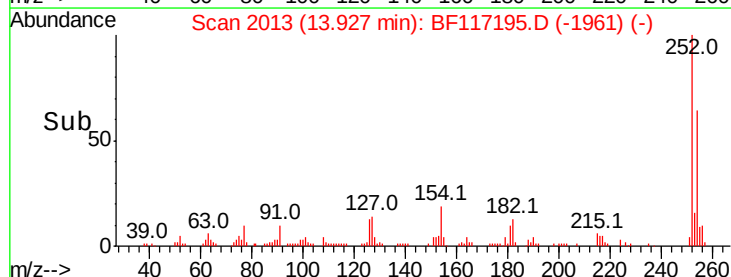
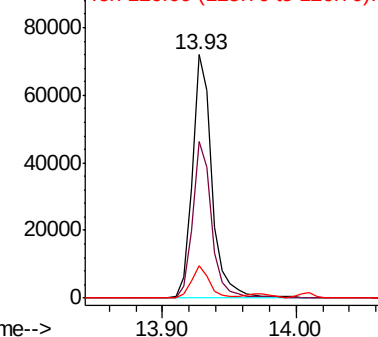
252 100

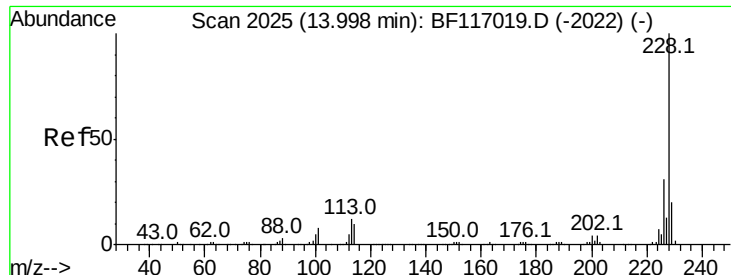
254 64.2 52.6 79.0

126 13.5 10.4 15.6



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





#83

Chrysene

Concen: 38.756 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

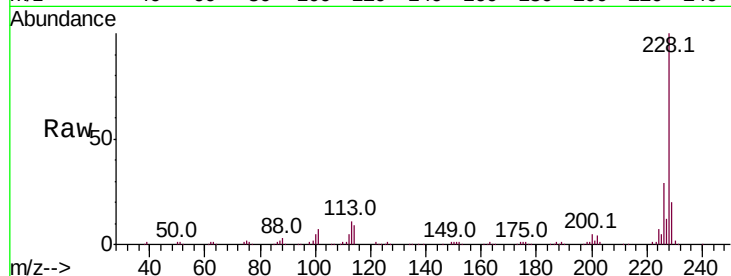
Tot Ion:228 Resp: 251153

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

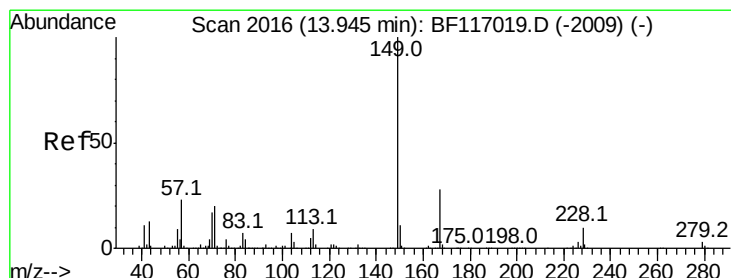
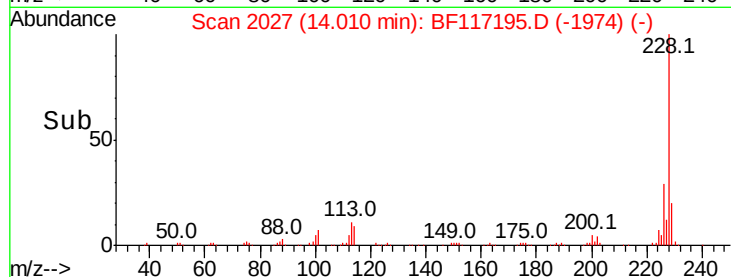
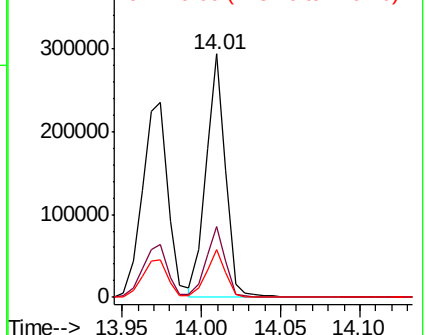
229 19.5 15.8 23.8



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: 52.265 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

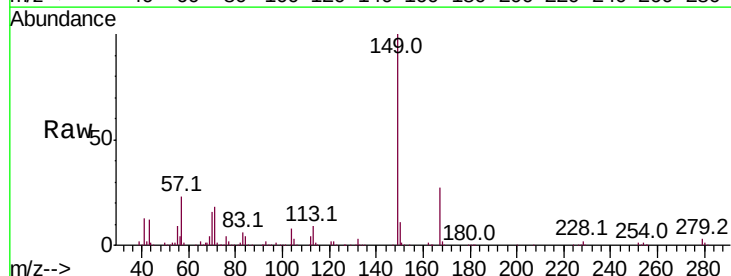
Tgt Ion:149 Resp: 265705

Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

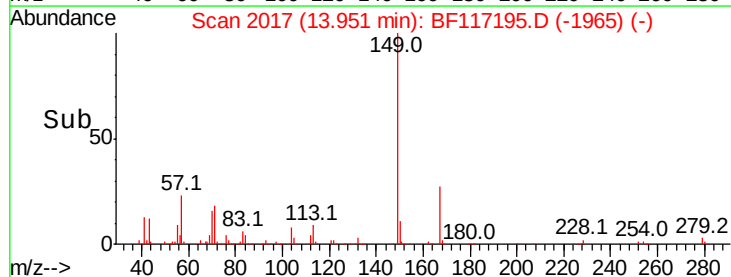
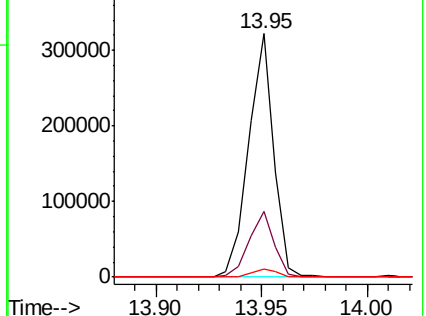
279 3.4 2.8 4.2

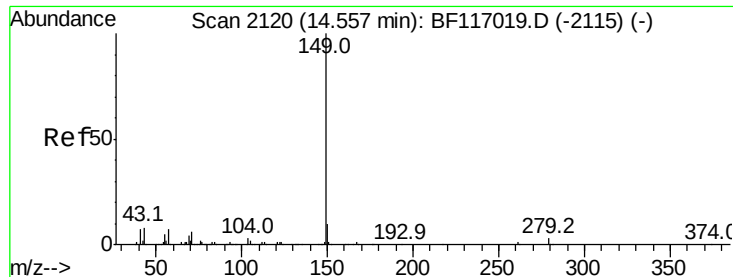


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

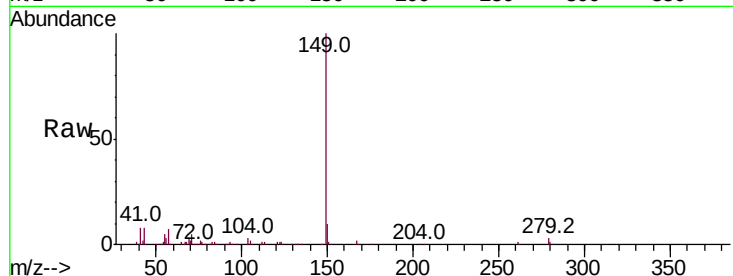




#85  
Di-n-octyl phthalate  
Concen: 51.050 ng  
RT: 14.56 min Scan# 2120  
Delta R.T. 0.00 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 7.9   | 6.2   | 9.4   |

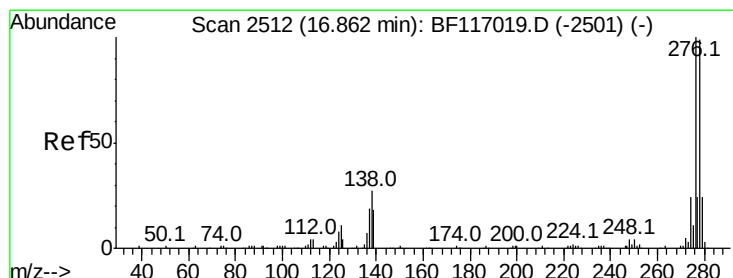
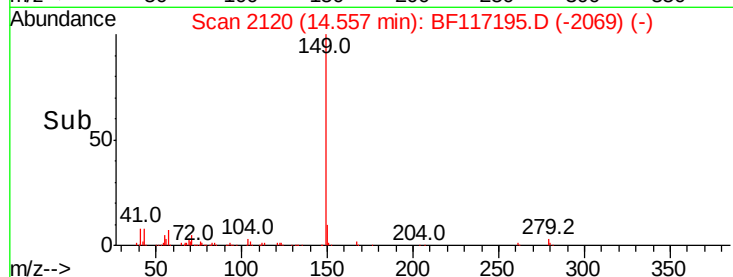
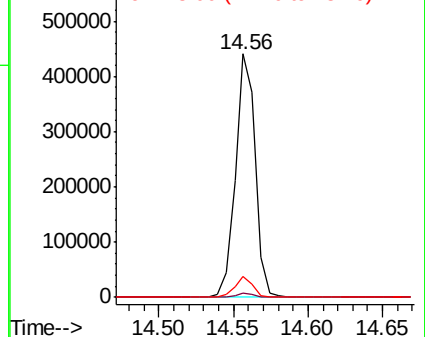


Abundance

Ion 149.00 (148.70 to 149.70): E

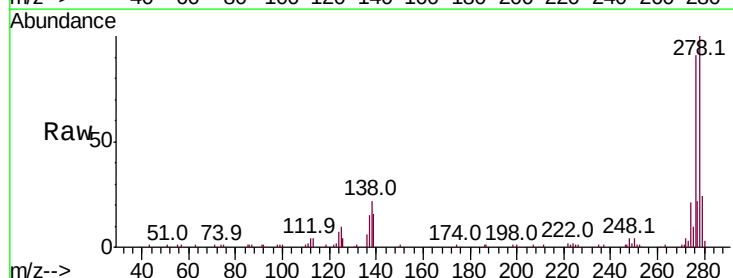
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 36.505 ng  
RT: 16.89 min Scan# 2517  
Delta R.T. 0.03 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.9  | 20.7  | 31.1  |
| 277     | 24.9  | 19.8  | 29.8  |

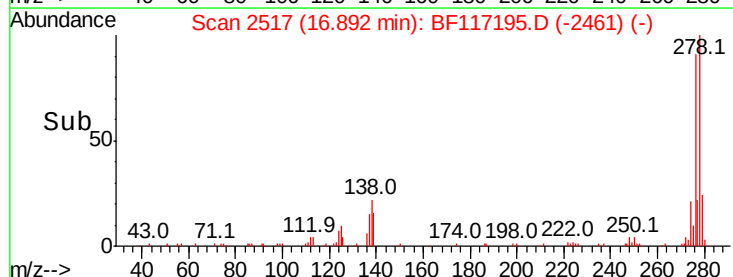
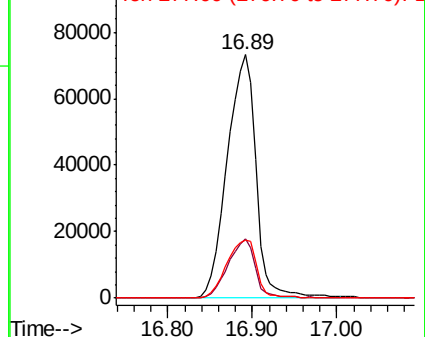


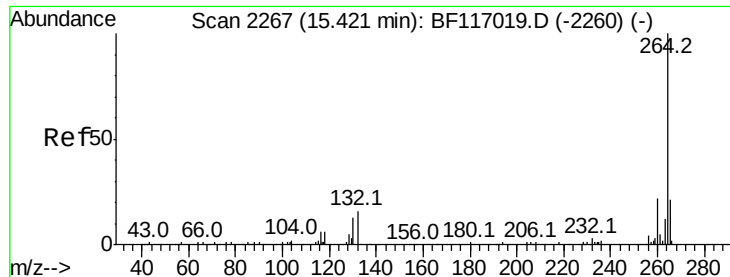
Abundance

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



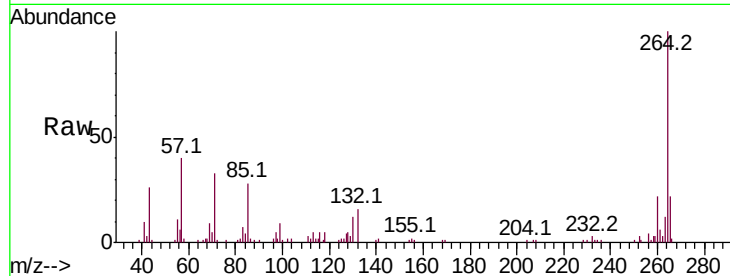


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

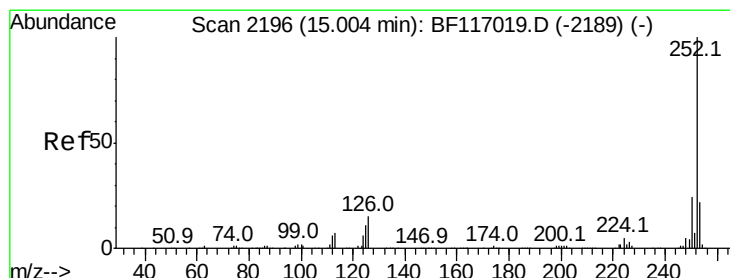
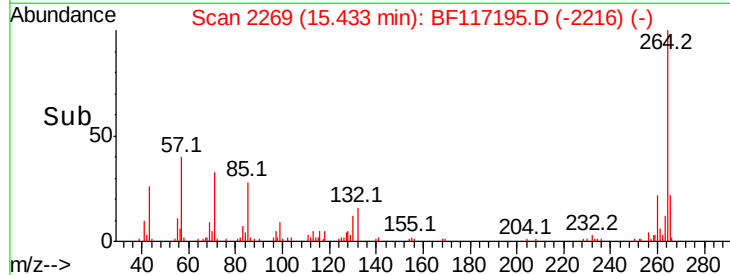
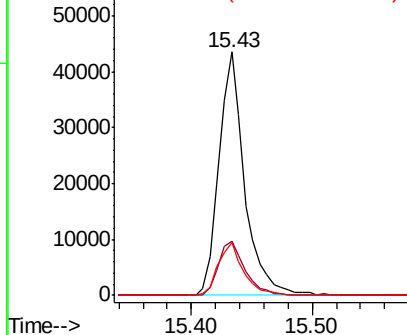
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:264 Resp: 63464  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.0  | 17.6  | 26.4  |
| 265 | 21.9  | 16.6  | 24.8  |



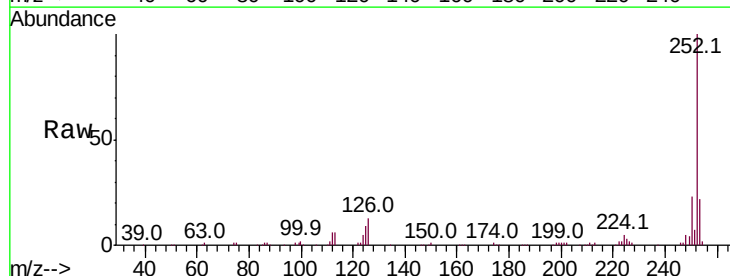
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



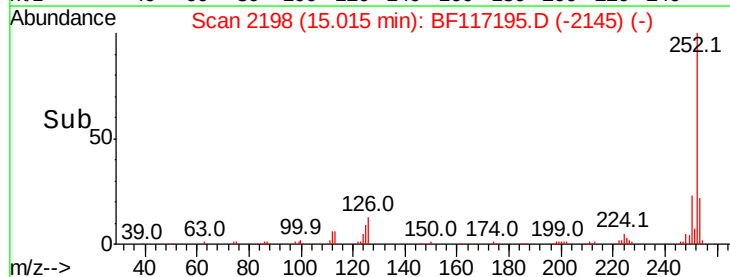
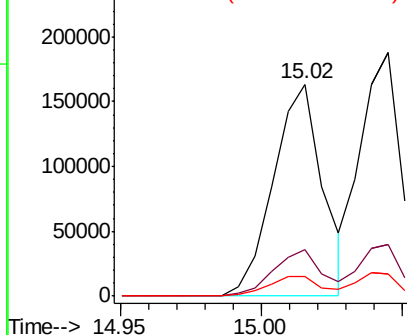
#88  
Benzo(b)fluoranthene  
Concen: 51.519 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:252 Resp: 198051  

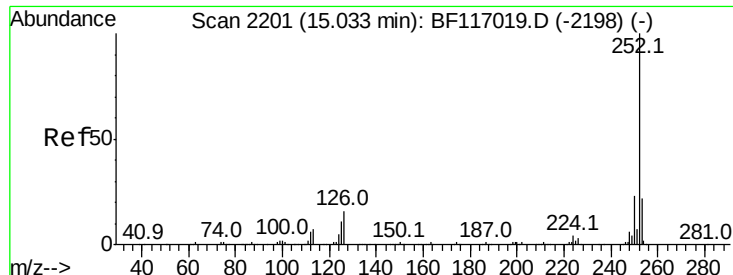
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 17.6  | 26.4  |
| 125 | 9.4   | 8.6   | 12.8  |



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



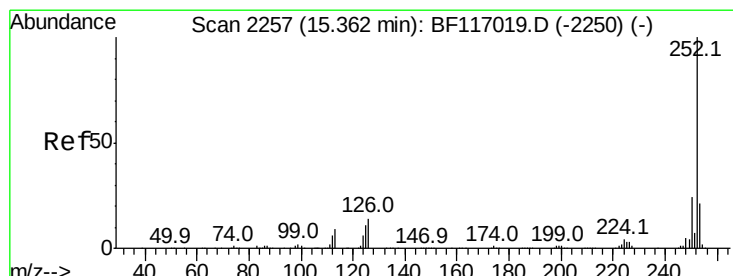
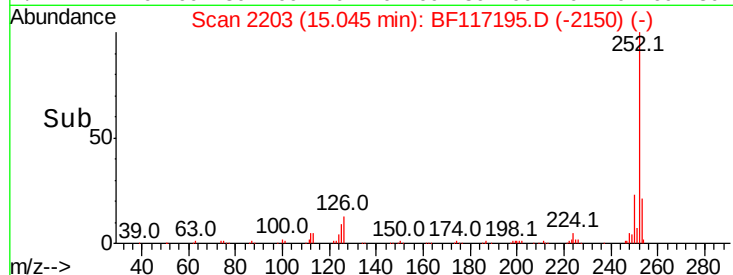
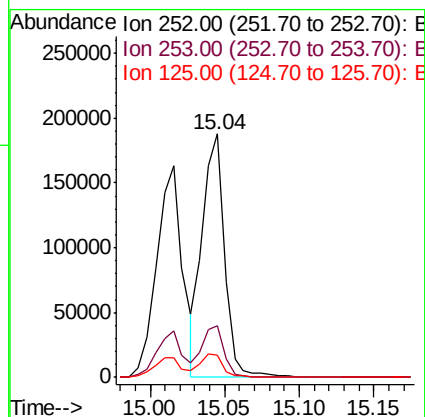
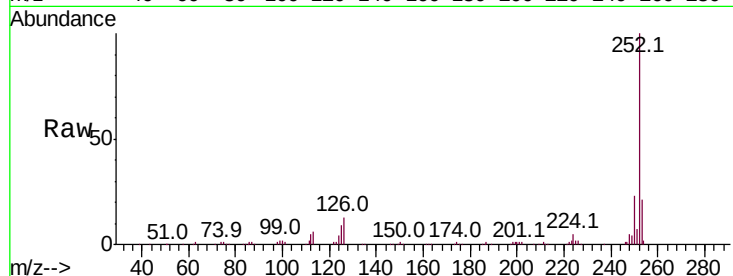




#89  
Benzo(k)fluoranthene  
Concen: 53.133 ng  
RT: 15.04 min Scan# 2203  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

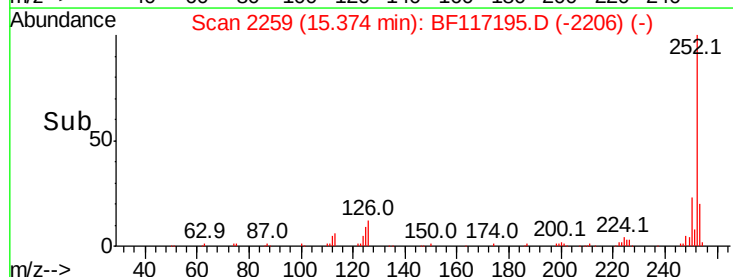
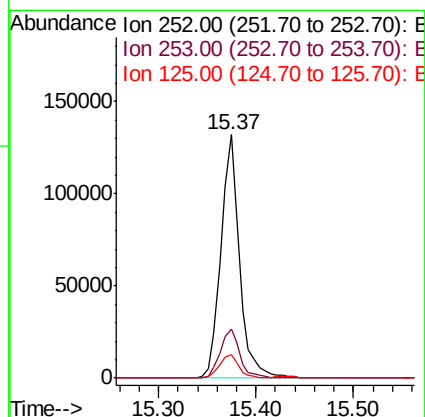
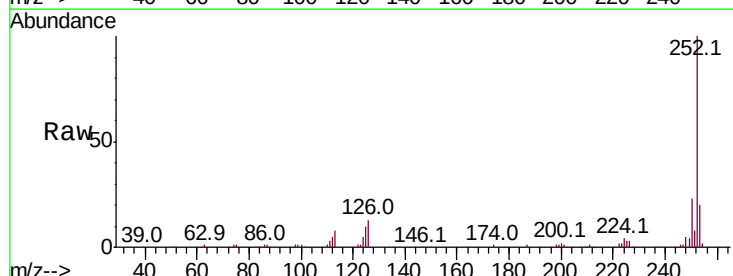
Instrument :  
BNA\_F  
ClientSampleId :

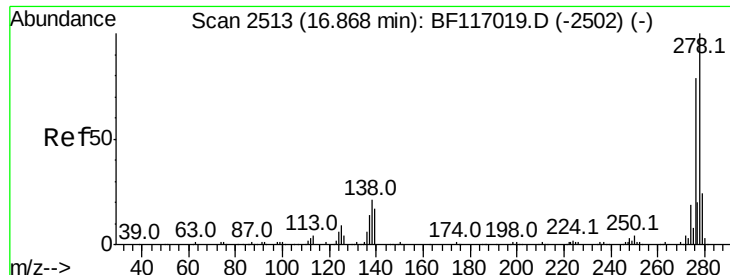
Tot Ion:252 Resp: 193485  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.4 26.2  
125 9.0 8.8 13.2



#90  
Benzo(a)pyrene  
Concen: 52.119 ng  
RT: 15.37 min Scan# 2259  
Delta R.T. 0.01 min  
Lab File: BF117195.D  
Acq: 20 Sep 2019 19:36

Tgt Ion:252 Resp: 175817  
Ion Ratio Lower Upper  
252 100  
253 20.3 16.6 25.0  
125 9.5 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 54.174 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.02 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

Instrument :

BNA\_F

ClientSampleId :

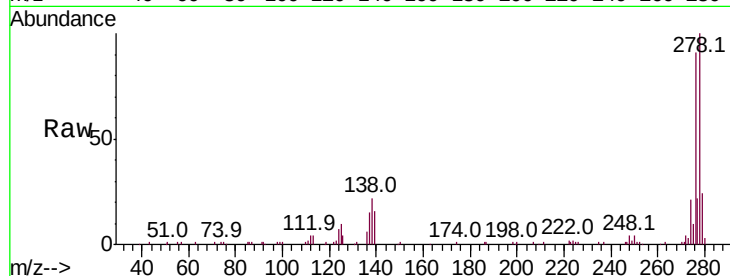
Tot Ion:278 Resp: 145584

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

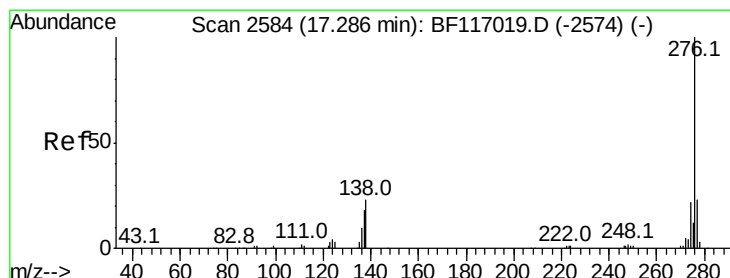
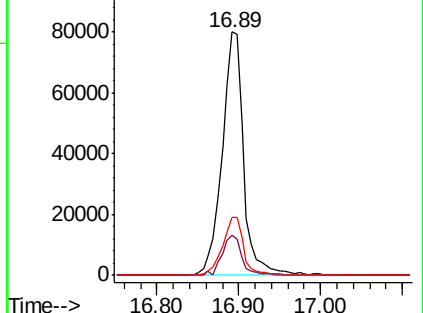
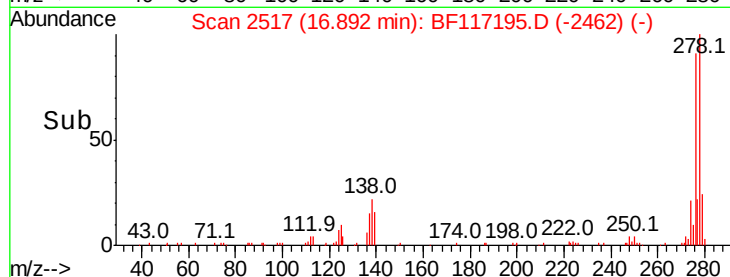
279 23.9 18.8 28.2



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: 49.848 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117195.D

Acq: 20 Sep 2019 19:36

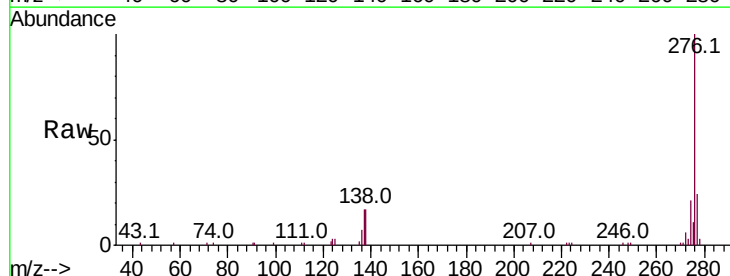
Tgt Ion:276 Resp: 133488

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 17.4 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

