

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101819\  
 Data File : BF117444.D  
 Acq On : 18 Oct 2019 17:00  
 Operator : JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 18 18:16:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 17:56:41 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 48934    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 205532   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.77  | 164  | 103773   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 164920   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.90 | 240  | 111122   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.32 | 264  | 95304    | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.35  | 112  | 385733   | 121.29 | ng    | 0.00     |
| 7) Phenol-d6                | 6.39  | 99   | 507950   | 120.37 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 481039   | 118.64 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 106450   | 126.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 853897   | 119.96 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.84 | 244  | 789176   | 115.77 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.40 | 88   | 78118    | 59.665 | ng    | 97     |
| 3) Pyridine                    | 3.12 | 79   | 204329   | 61.324 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 3.09 | 42   | 73632    | 62.711 | ng    | 97     |
| 6) Aniline                     | 6.40 | 93   | 300402   | 56.987 | ng    | # 55   |
| 8) 2-Chlorophenol              | 6.53 | 128  | 197900   | 55.970 | ng    | 97     |
| 9) Benzaldehyde                | 6.29 | 77   | 109612   | 53.275 | ng    | 95     |
| 10) Phenol                     | 6.40 | 94   | 262739   | 57.674 | ng    | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.48 | 93   | 191879   | 55.400 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146  | 223796   | 56.598 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146  | 225540   | 55.955 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146  | 212489   | 55.812 | ng    | 97     |
| 15) Benzyl Alcohol             | 6.89 | 79   | 184810   | 57.245 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45   | 205333   | 56.459 | ng    | 96     |
| 17) 2-Methylphenol             | 7.00 | 107  | 162677   | 55.111 | ng    | 96     |
| 18) Hexachloroethane           | 7.25 | 117  | 87444    | 55.798 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70   | 154296   | 57.348 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.16 | 107  | 212876   | 56.009 | ng    | # 86   |
| 22) Acetophenone               | 7.16 | 105  | 313628   | 58.151 | ng    | # 98   |
| 24) Nitrobenzene               | 7.33 | 77   | 230190   | 56.675 | ng    | 99     |
| 25) Isophorone                 | 7.57 | 82   | 417076   | 57.744 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.64 | 139  | 104790   | 58.150 | ng    | 94     |
| 27) 2,4-Dimethylphenol         | 7.69 | 122  | 153681   | 56.113 | ng    | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93   | 258833   | 57.806 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162  | 163320   | 57.793 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180  | 171361   | 56.250 | ng    | 98     |
| 31) Naphthalene                | 8.04 | 128  | 583944   | 56.891 | ng    | 99     |
| 32) Benzoic acid               | 7.86 | 122  | 115708   | 67.847 | ng    | 99     |
| 33) 4-Chloroaniline            | 8.10 | 127  | 247785   | 56.843 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.16 | 225  | 100610   | 57.663 | ng    | 97     |
| 35) Caprolactam                | 8.49 | 113  | 42593    | 48.129 | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107  | 186975   | 58.146 | ng    | 97     |
| 37) 2-Methylnaphthalene        | 8.73 | 142  | 401882   | 57.982 | ng    | 97     |
| 38) 1-Methylnaphthalene        | 8.83 | 142  | 373697   | 57.224 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216  | 162391   | 58.145 | ng    | 97     |

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 Data File : BF117444.D  
 Acq On : 18 Oct 2019 17:00  
 Operator : JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

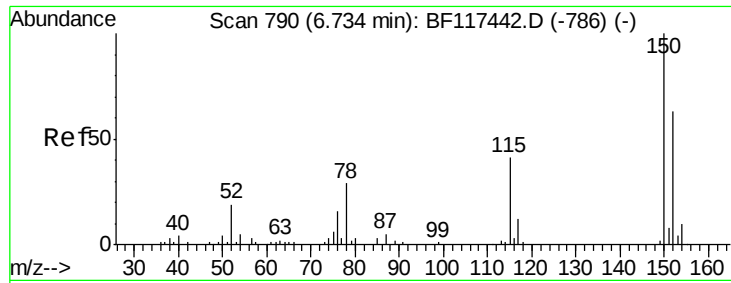
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 18 18:16:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 17:56:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.88  | 237  | 39343    | 75.438 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.02  | 196  | 101704   | 57.542 | ng    | 96       |
| 44) 2,4,5-Trichlorophenol      | 9.06  | 196  | 104085   | 57.733 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.20  | 154  | 502779   | 59.306 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.22  | 162  | 375003   | 56.744 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.32  | 65   | 125394   | 59.469 | ng    | 87       |
| 49) Acenaphthylene             | 9.63  | 152  | 549911   | 56.761 | ng    | 99       |
| 50) Dimethylphthalate          | 9.50  | 163  | 429306   | 57.604 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.57  | 165  | 91132    | 58.176 | ng    | 99       |
| 52) Acenaphthene               | 9.80  | 154  | 341352   | 57.985 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.74  | 138  | 109746   | 57.370 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 9.86  | 184  | 36422    | 60.684 | ng    | 97       |
| 55) Dibenzofuran               | 9.97  | 168  | 485857   | 56.577 | ng    | 97       |
| 56) 4-Nitrophenol              | 9.92  | 139  | 50684    | 66.576 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 120251   | 58.177 | ng    | 87       |
| 58) Fluorene                   | 10.32 | 166  | 403880   | 56.485 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 80600    | 57.830 | ng    | 94       |
| 60) Diethylphthalate           | 10.20 | 149  | 436542   | 58.110 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.31 | 204  | 179394   | 56.667 | ng    | 93       |
| 62) 4-Nitroaniline             | 10.36 | 138  | 104722   | 57.591 | ng    | 97       |
| 63) Azobenzene                 | 10.47 | 77   | 449241   | 58.281 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198  | 52803    | 63.737 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.43 | 169  | 349354   | 56.705 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.80 | 248  | 104219   | 57.614 | ng    | 92       |
| 68) Hexachlorobenzene          | 10.87 | 284  | 109942   | 56.594 | ng    | # 89     |
| 69) Atrazine                   | 10.96 | 200  | 69188    | 69.256 | ng    | 96       |
| 70) Pentachlorophenol          | 11.07 | 266  | 34504    | 59.369 | ng    | 96       |
| 71) Phenanthrene               | 11.28 | 178  | 553104   | 56.734 | ng    | 99       |
| 72) Anthracene                 | 11.33 | 178  | 560712   | 55.714 | ng    | 99       |
| 73) Carbazole                  | 11.49 | 167  | 522046   | 57.105 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.82 | 149  | 686932   | 55.491 | ng    | 98       |
| 75) Fluoranthene               | 12.47 | 202  | 551597   | 56.900 | ng    | 99       |
| 77) Benzidine                  | 12.59 | 184  | 167383   | 60.904 | ng    | 96       |
| 78) Pyrene                     | 12.70 | 202  | 555181   | 56.521 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.31 | 149  | 279354   | 56.558 | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.89 | 228  | 432567   | 56.734 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 131528   | 54.561 | ng    | # 98     |
| 83) Chrysene                   | 13.93 | 228  | 429915   | 57.177 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 389046   | 55.864 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.48 | 149  | 601049   | 56.689 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.74 | 276  | 316364   | 60.174 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.92 | 252  | 351766   | 59.289 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 14.94 | 252  | 318277   | 53.979 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.27 | 252  | 296166   | 56.371 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 16.74 | 278  | 269792   | 59.927 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.15 | 276  | 253554   | 59.168 | ng    | 99       |

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



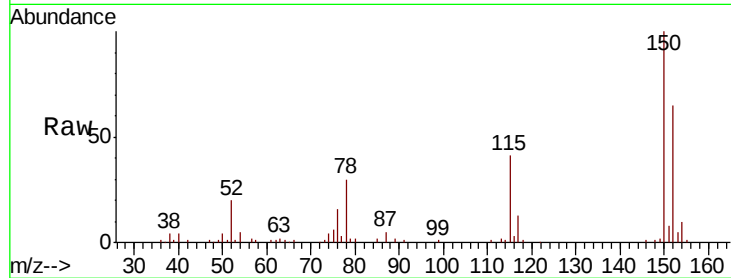


#1

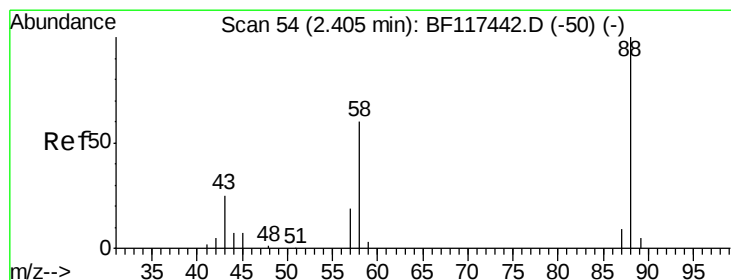
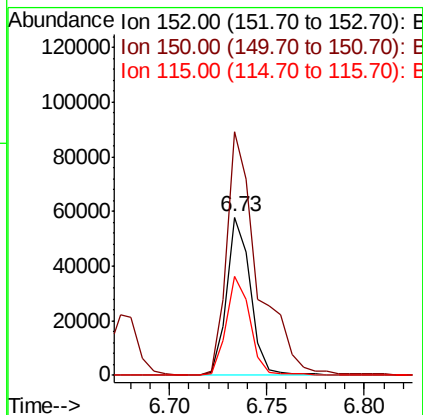
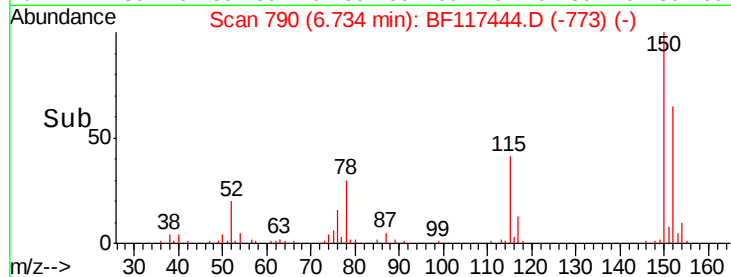
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 48934  
Ion Ratio Lower Upper  
152 100  
150 153.7 126.8 190.2  
115 62.7 51.6 77.4



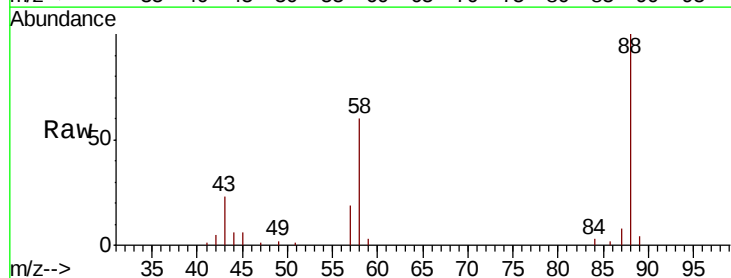
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



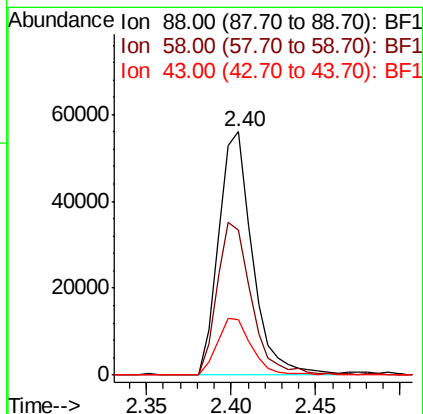
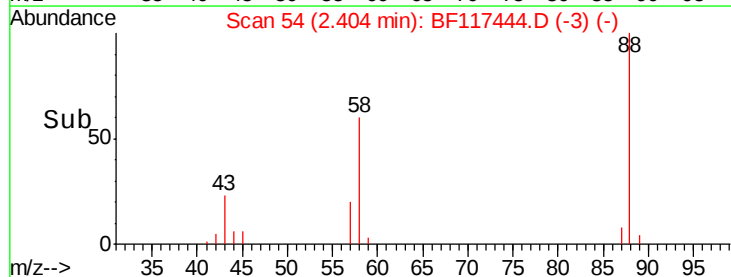
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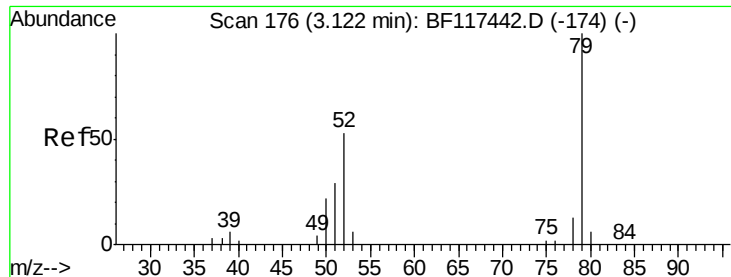
1,4-Dioxane  
Concen: 59.665 ng  
RT: 2.40 min Scan# 54  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion: 88 Resp: 78118  
Ion Ratio Lower Upper  
88 100  
58 63.8 48.8 73.2  
43 23.9 18.5 27.7



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: 61.324 ng

RT: 3.12 min Scan# 175

Delta R.T. -0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampled :

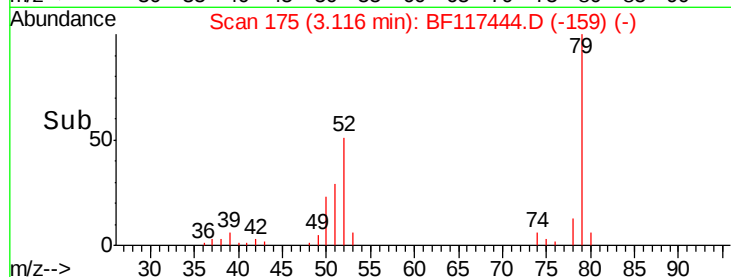
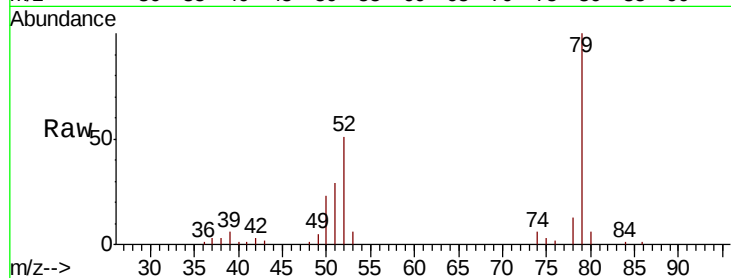
Tot Ion: 79 Resp: 204329

Ion Ratio Lower Upper

79 100

52 51.3 42.4 63.6

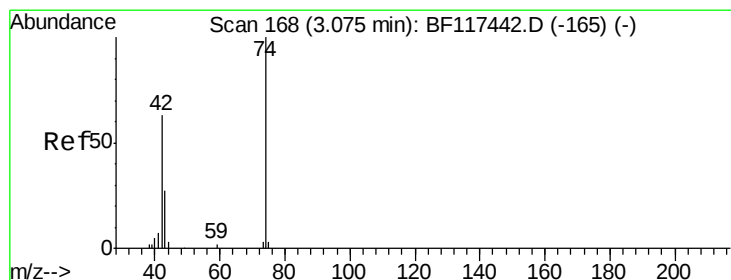
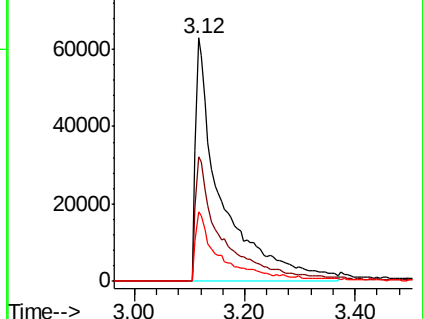
51 28.7 23.3 34.9



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: 62.711 ng

RT: 3.09 min Scan# 170

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

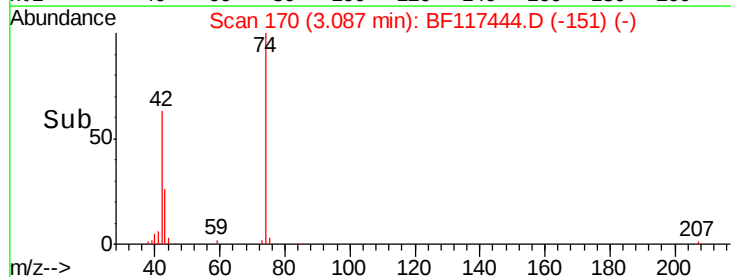
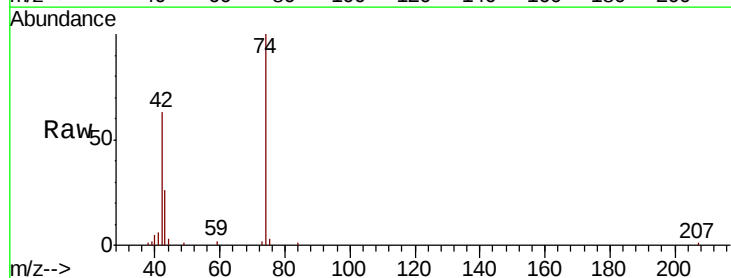
Tgt Ion: 42 Resp: 73632

Ion Ratio Lower Upper

42 100

74 159.4 124.2 186.4

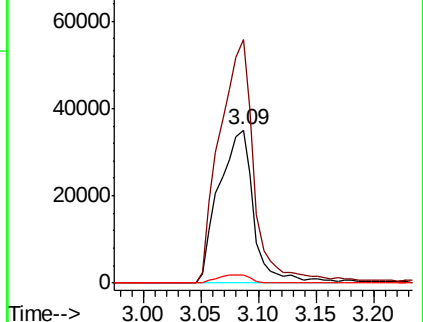
44 5.2 4.2 6.4

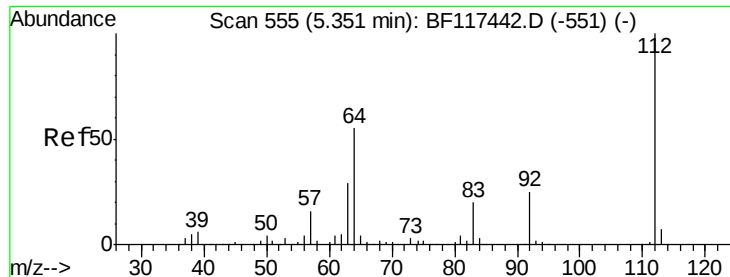


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 121.286 ng

RT: 5.35 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampled :

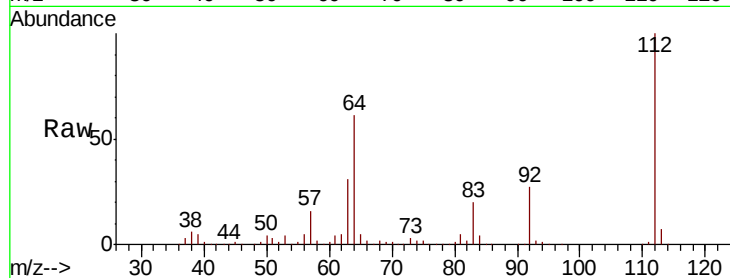
Tot Ion:112 Resp: 385733

Ion Ratio Lower Upper

112 100

64 60.7 44.1 66.1

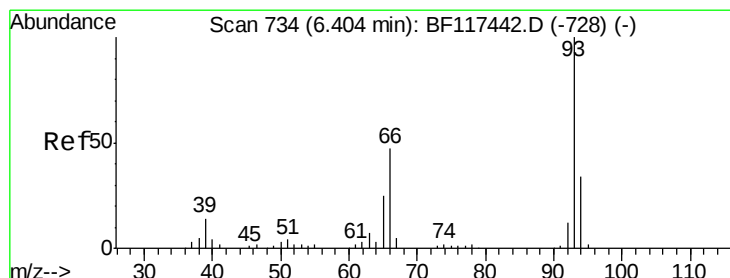
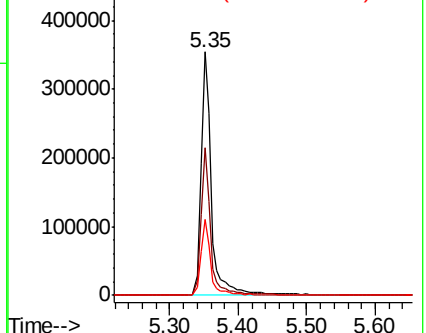
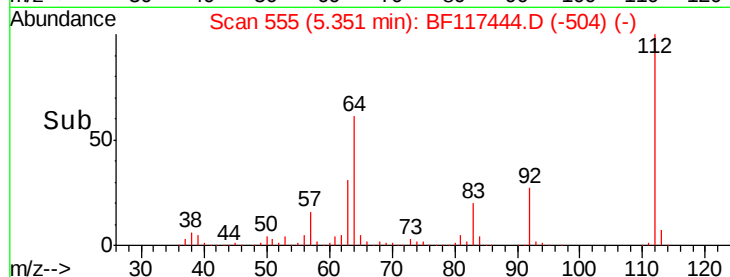
63 31.3 23.4 35.2



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: 56.987 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

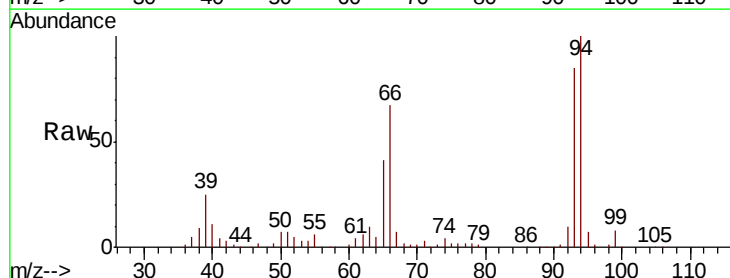
Tgt Ion: 93 Resp: 300402

Ion Ratio Lower Upper

93 100

66 78.4 38.7 58.1#

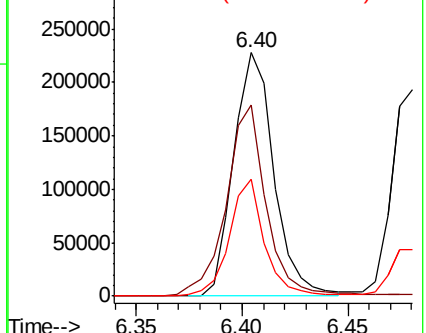
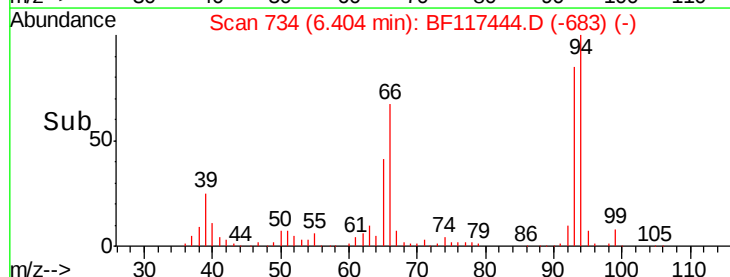
65 48.1 20.1 30.1#

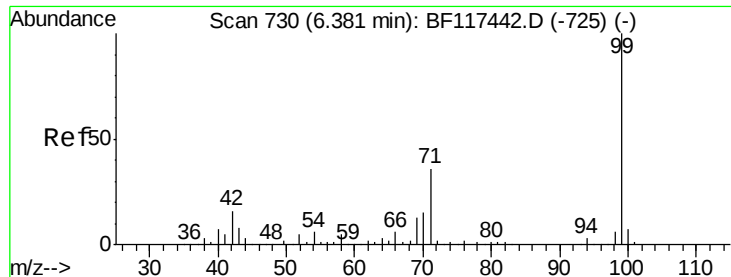


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.375 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampled :

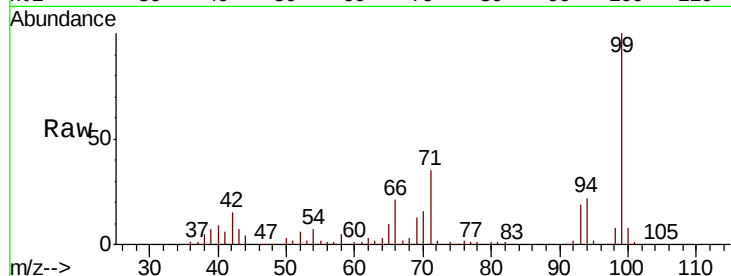
Tot Ion: 99 Resp: 507950

Ion Ratio Lower Upper

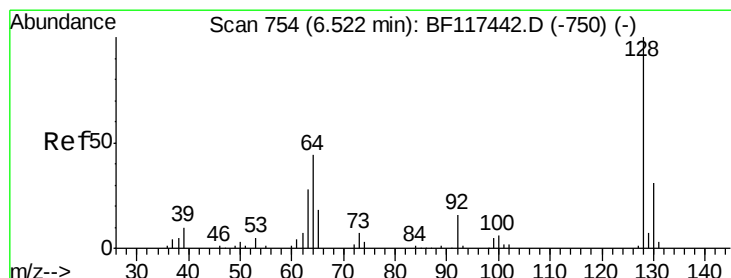
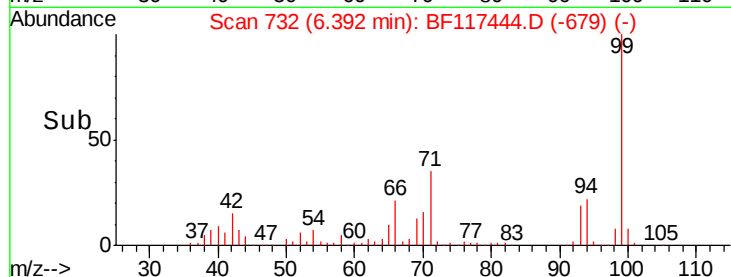
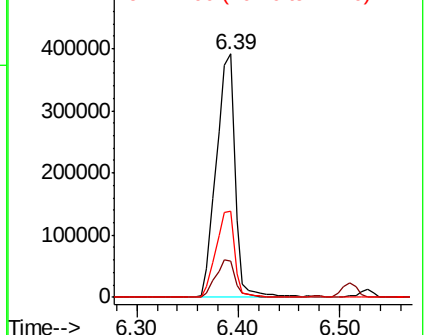
99 100

42 15.1 12.8 19.2

71 35.3 28.6 43.0



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



#8

2-Chlorophenol

Concen: 55.970 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

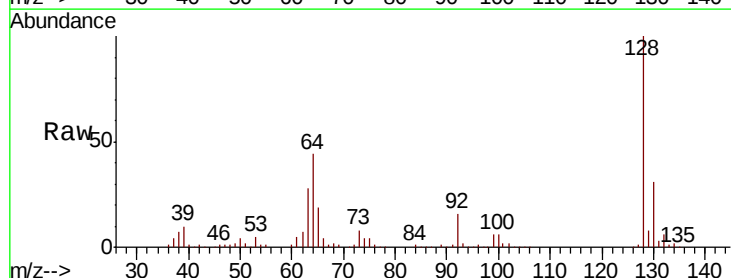
Tgt Ion: 128 Resp: 197900

Ion Ratio Lower Upper

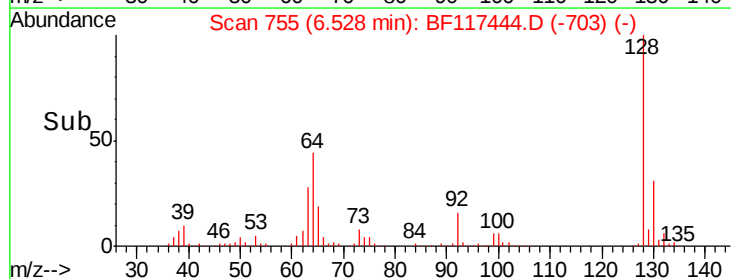
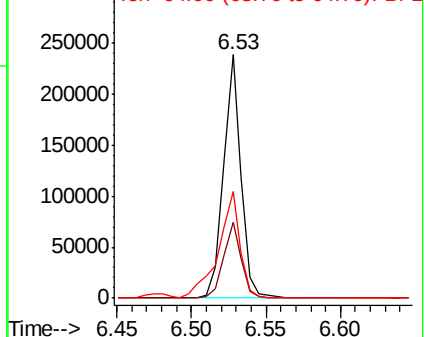
128 100

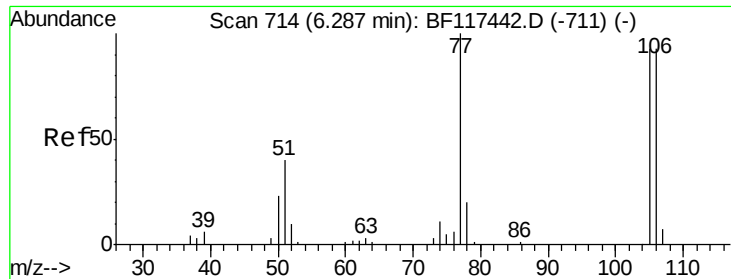
130 31.2 11.1 51.1

64 44.0 27.1 67.1



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

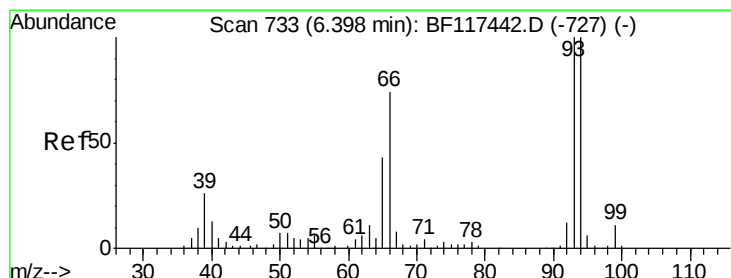
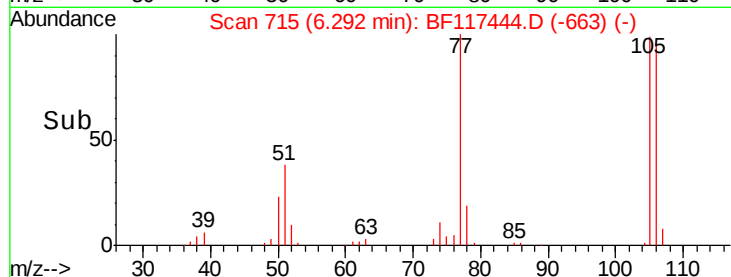
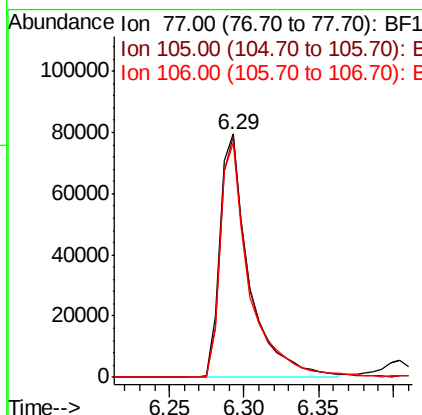
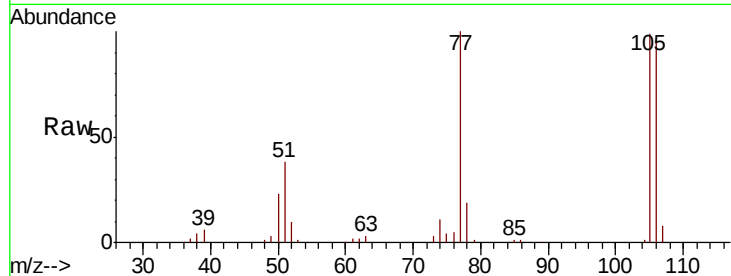




#9  
Benzaldehyde  
Concen: 53.275 ng  
RT: 6.29 min Scan# 715  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

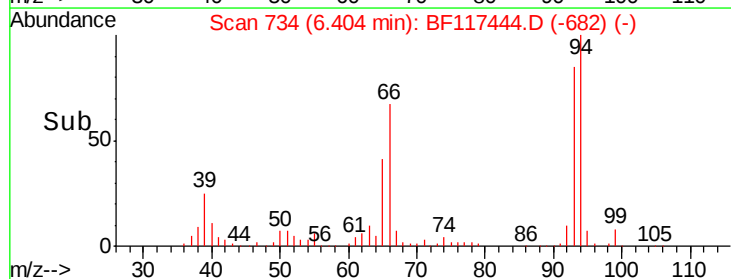
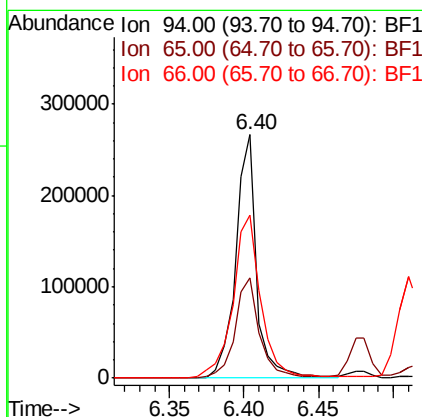
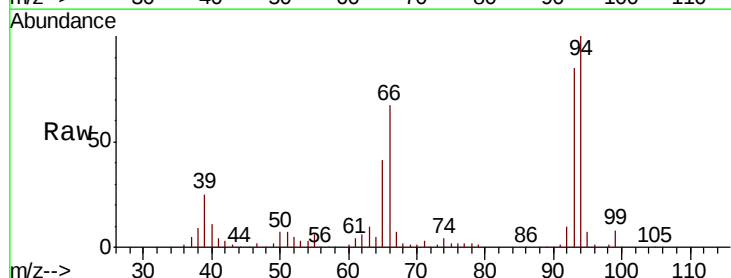
Instrument :  
BNA\_F  
ClientSampled :

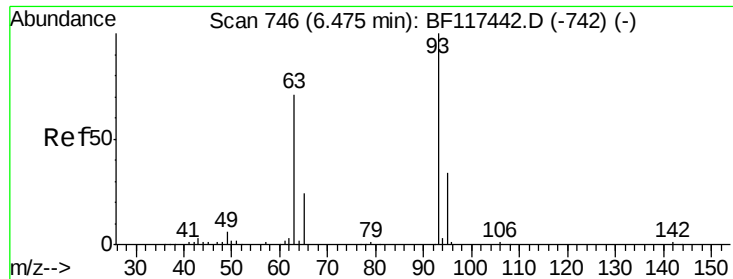
Tot Ion: 77 Resp: 109612  
Ion Ratio Lower Upper  
77 100  
105 98.9 73.4 113.4  
106 96.5 73.0 113.0



#10  
Phenol  
Concen: 57.674 ng  
RT: 6.40 min Scan# 734  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion: 94 Resp: 262739  
Ion Ratio Lower Upper  
94 100  
65 41.1 23.4 63.4  
66 67.0 54.7 94.7

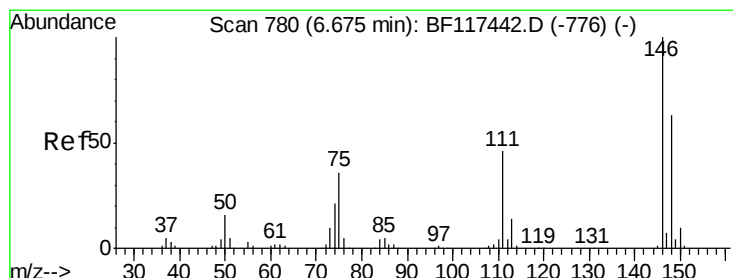
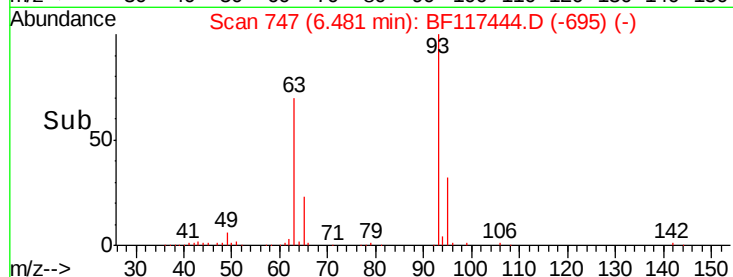
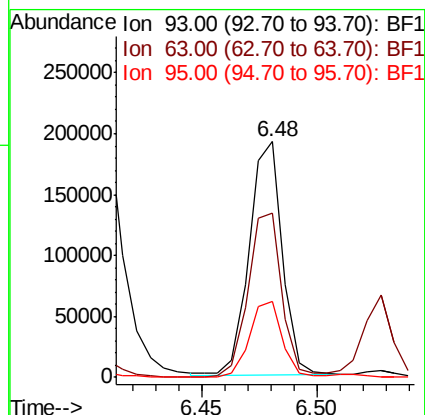
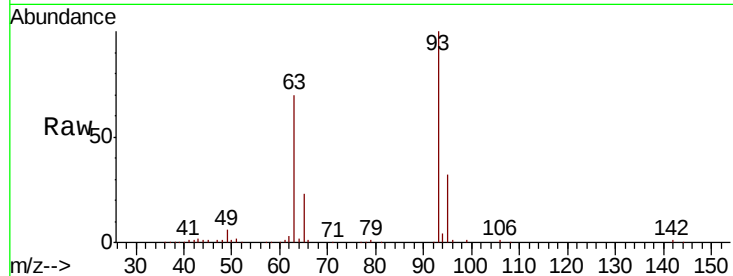




#11  
 bis(2-Chloroethyl)ether  
 Concen: 55.400 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

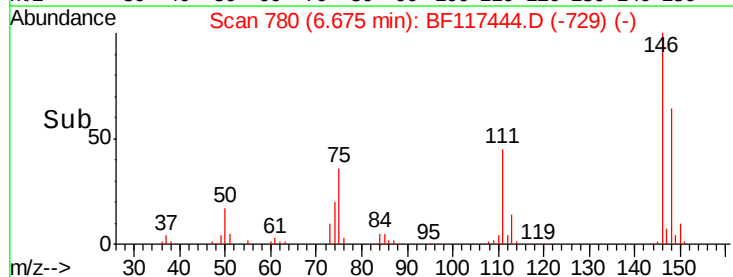
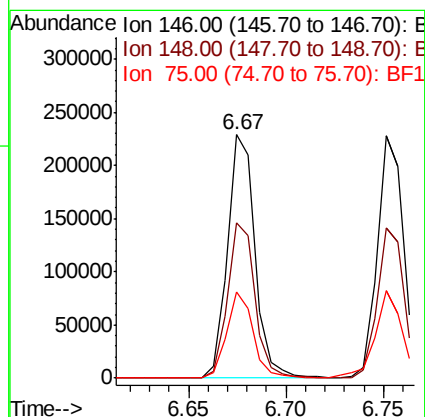
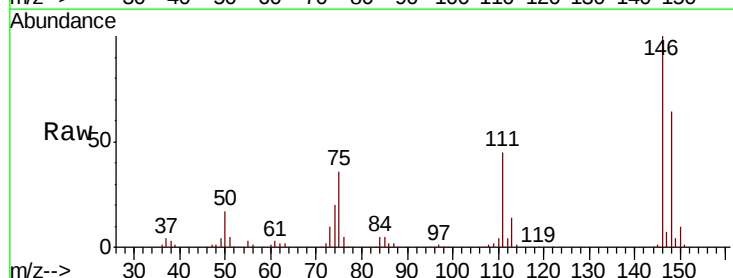
Instrument :  
 BNA\_F  
 ClientSampleId :

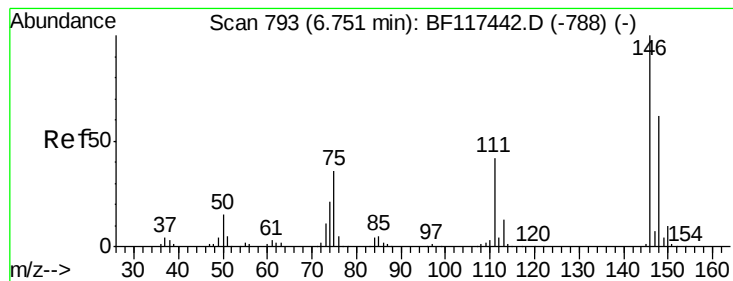
Tot Ion: 93 Resp: 191879  
 Ion Ratio Lower Upper  
 93 100  
 63 69.9 50.2 90.2  
 95 32.5 13.9 53.9



#12  
 1,3-Dichlorobenzene  
 Concen: 56.598 ng  
 RT: 6.67 min Scan# 780  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion: 146 Resp: 223796  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.6 75.8  
 75 35.6 28.6 43.0





#13

1,4-Dichlorobenzene

Concen: 55.955 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

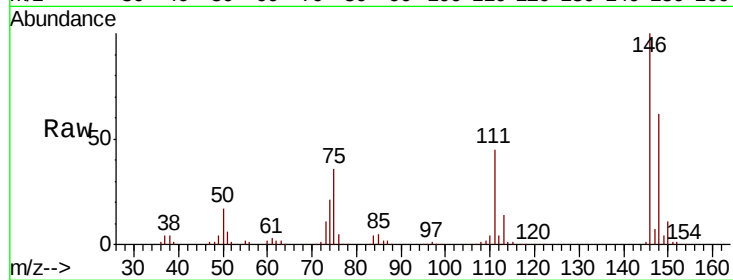
Tot Ion:146 Resp: 225540

Ion Ratio Lower Upper

146 100

148 61.9 49.3 73.9

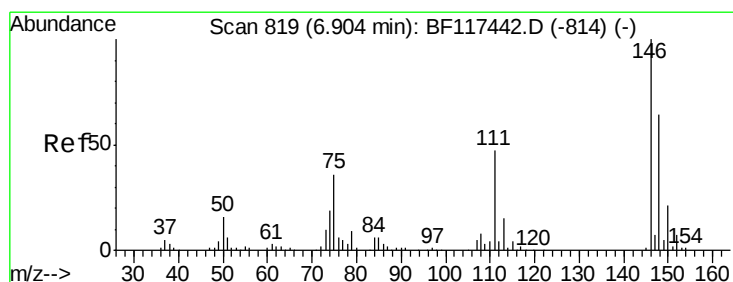
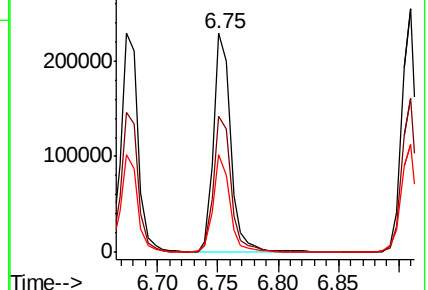
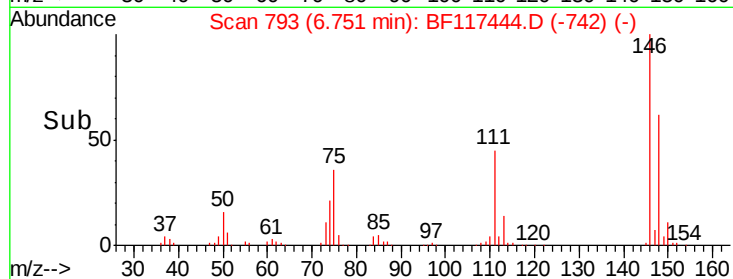
111 44.7 33.6 50.4



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: 55.812 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

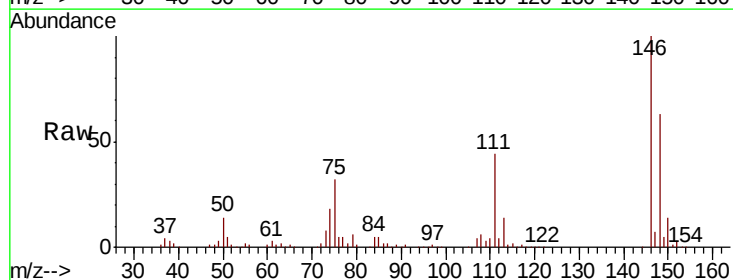
Tgt Ion:146 Resp: 212489

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.0

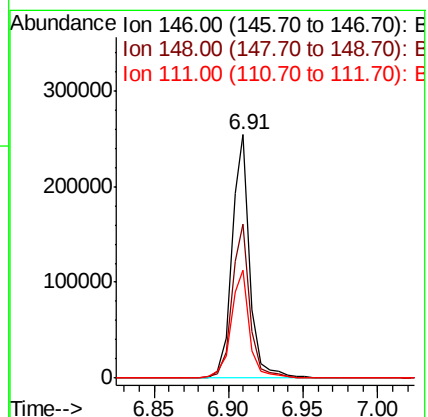
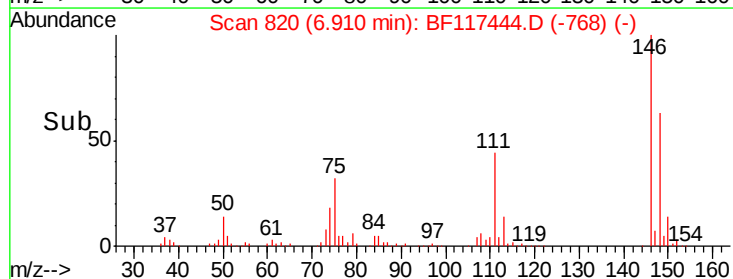
111 44.4 37.7 56.5

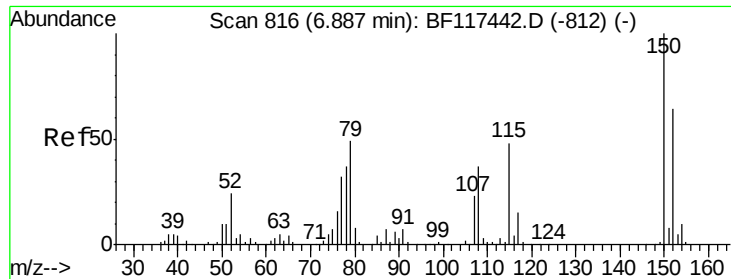


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 57.245 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampled :

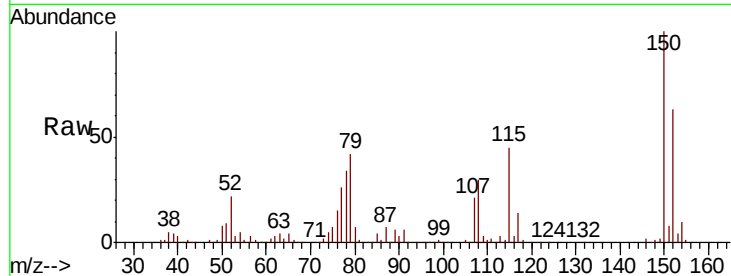
Tot Ion: 79 Resp: 184810

Ion Ratio Lower Upper

79 100

108 72.7 59.8 89.8

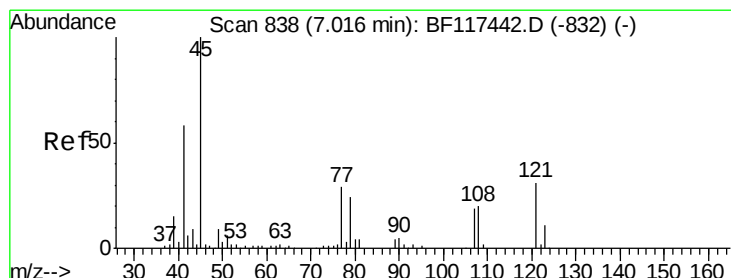
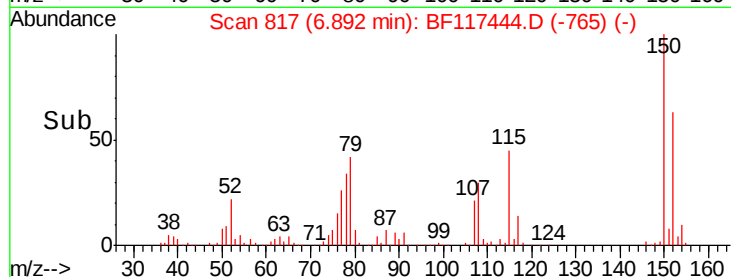
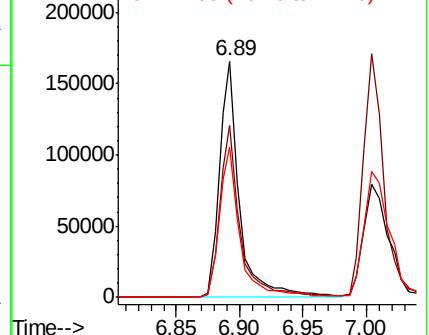
77 63.4 51.4 77.0



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: 56.459 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

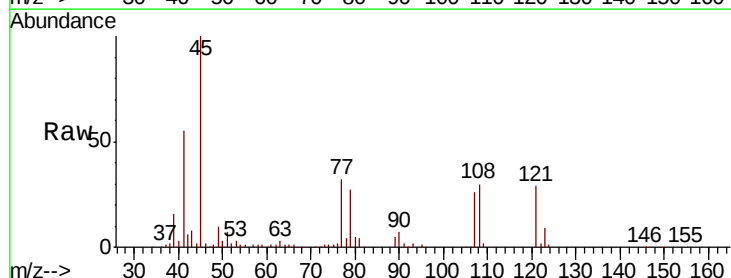
Tgt Ion: 45 Resp: 205333

Ion Ratio Lower Upper

45 100

77 32.1 9.9 49.9

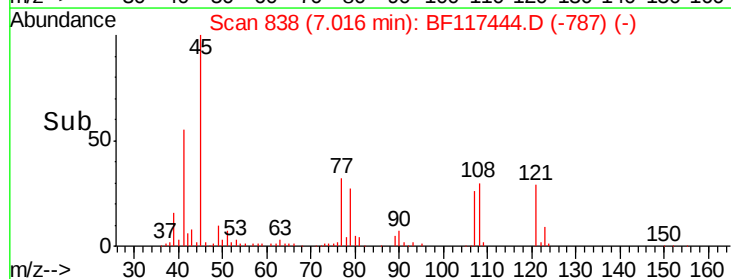
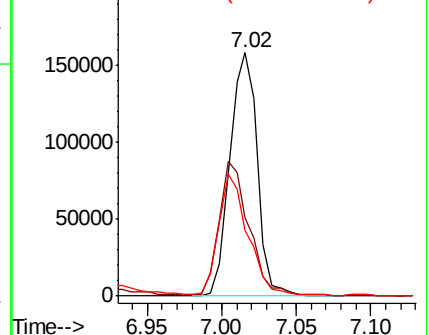
79 27.1 5.5 45.5

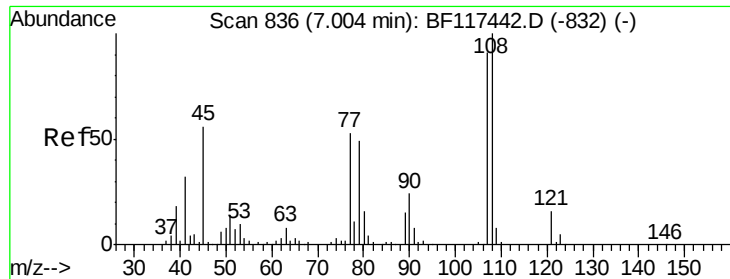


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

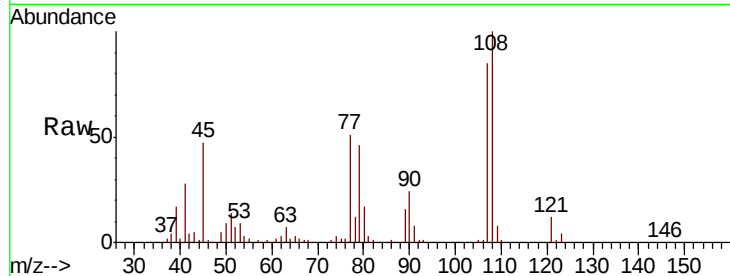




#17  
2-Methylphenol  
Concen: 55.111 ng  
RT: 7.00 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 117.7 | 88.0  | 132.0 |
| 77      | 60.6  | 47.2  | 70.8  |
| 79      | 54.6  | 44.1  | 66.1  |



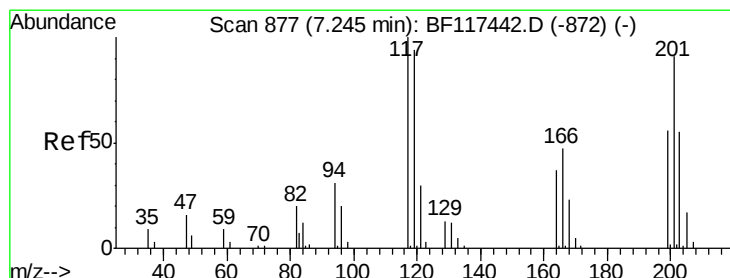
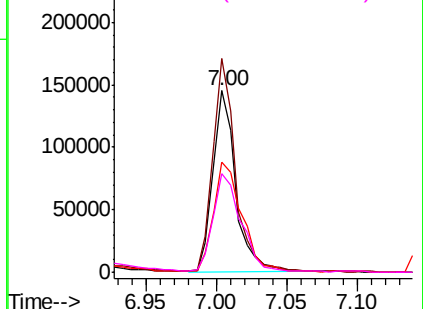
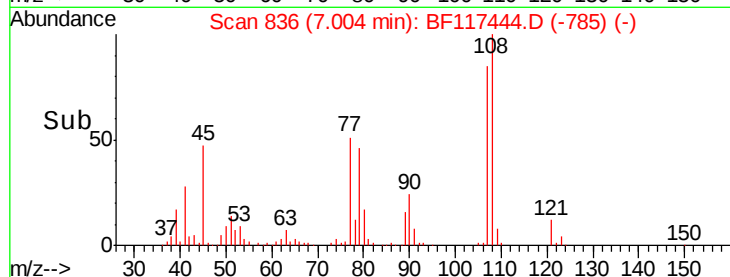
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

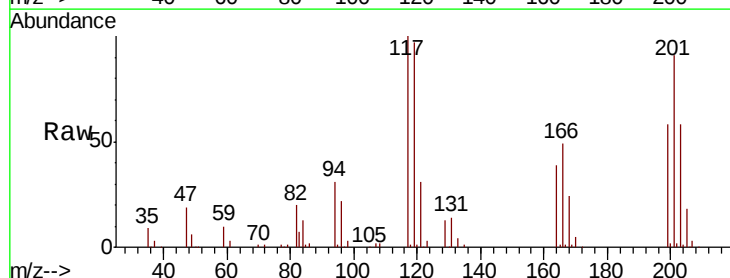
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 55.798 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.3  | 75.4  | 113.0 |
| 201     | 91.2  | 72.5  | 108.7 |

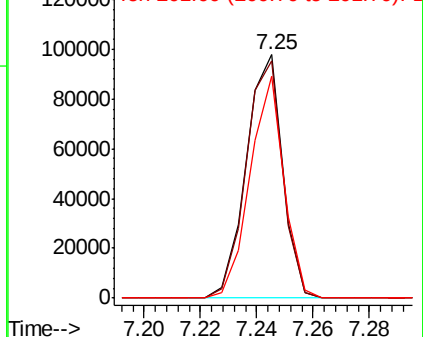
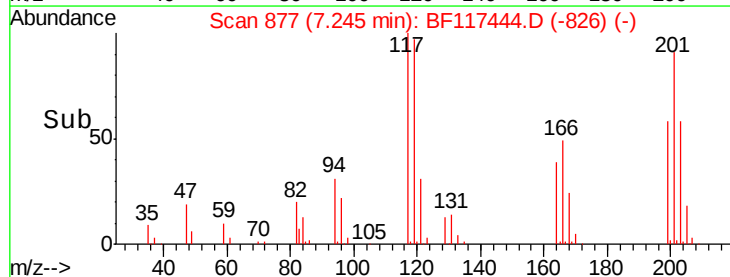


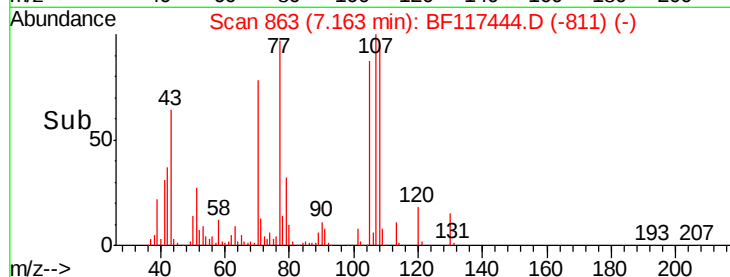
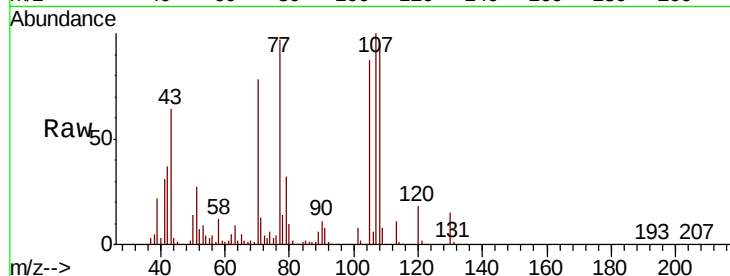
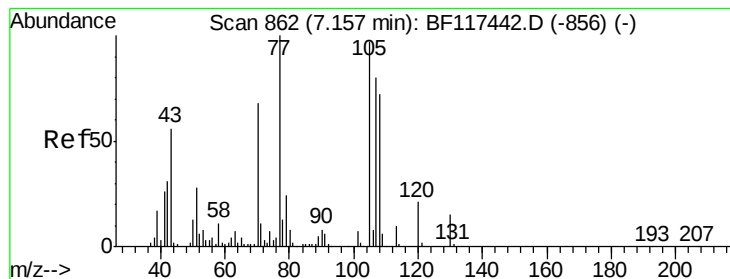
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 57.348 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 154296

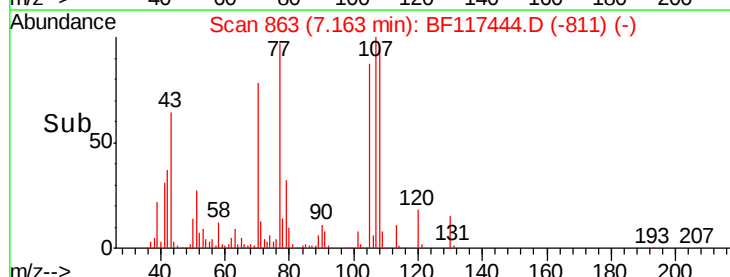
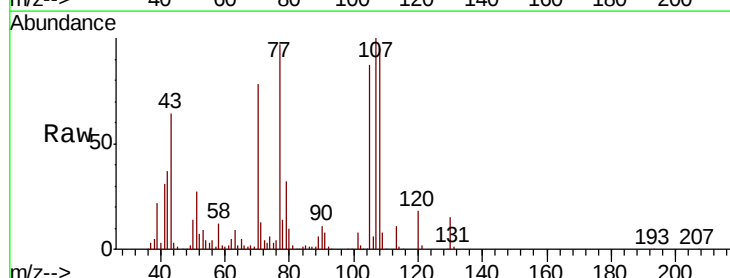
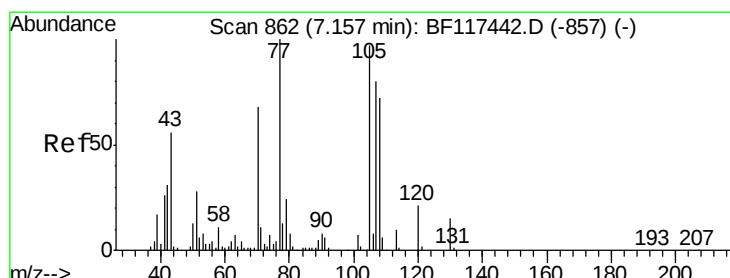
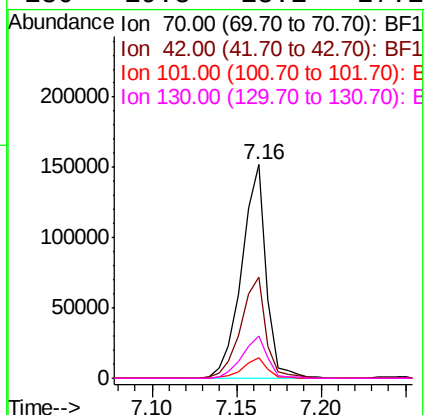
Ion Ratio Lower Upper

70 100

42 47.4 36.7 55.1

101 9.7 8.3 12.5

130 19.8 18.1 27.1



#20

3+4-Methylphenols

Concen: 56.009 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Tgt Ion:107 Resp: 212876

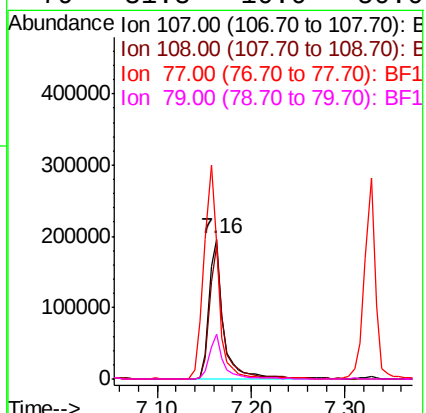
Ion Ratio Lower Upper

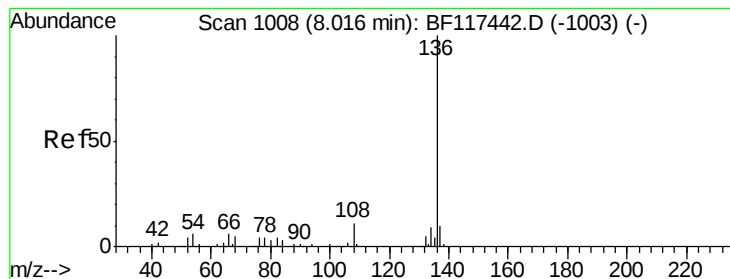
107 100

108 95.1 70.3 110.3

77 97.5 104.8 144.8#

79 31.8 10.0 50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 205532

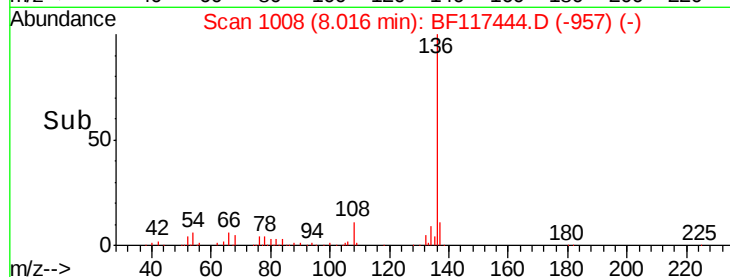
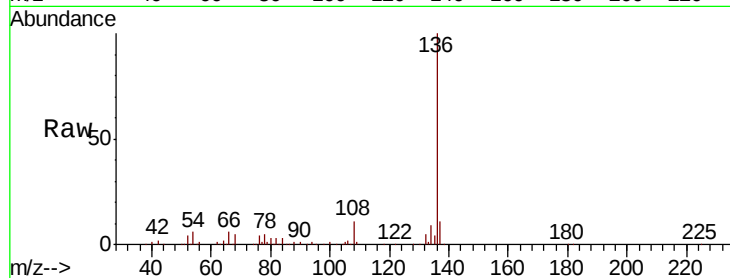
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 6.3 4.5 6.7

68 5.0 4.3 6.5

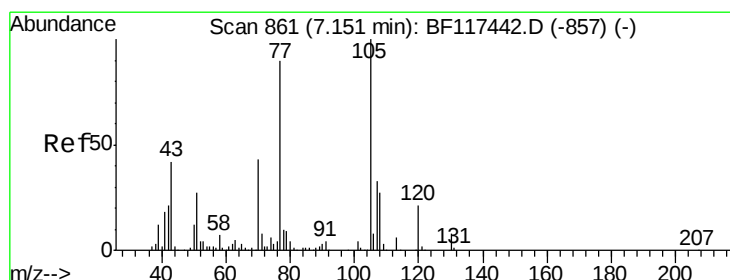
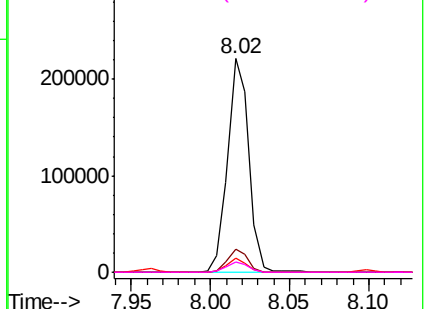


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 58.151 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Tgt Ion:105 Resp: 313628

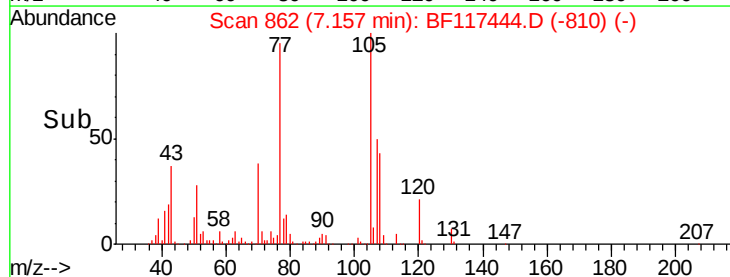
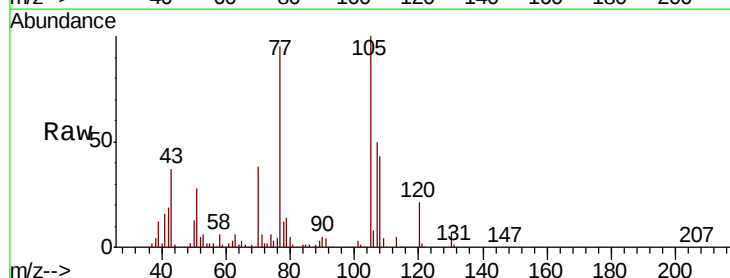
Ion Ratio Lower Upper

105 100

71 6.1 6.2 9.2#

51 28.0 21.8 32.6

120 21.3 16.7 25.1

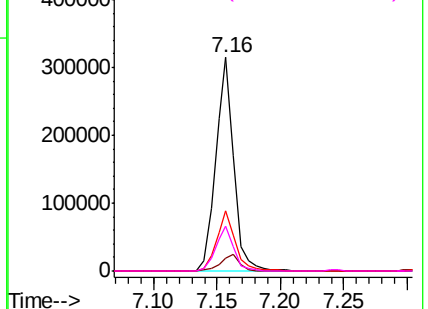


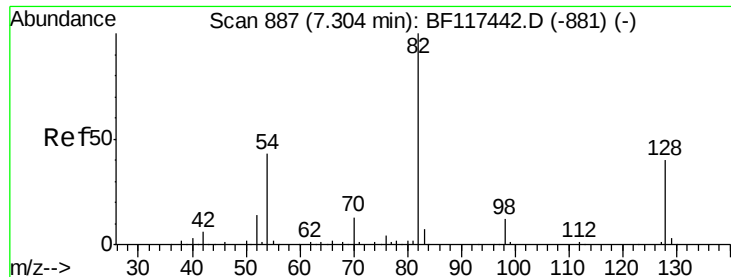
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

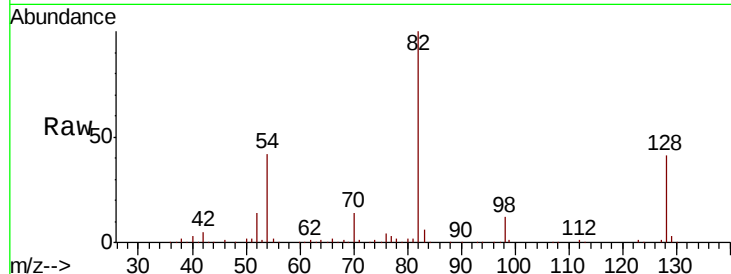




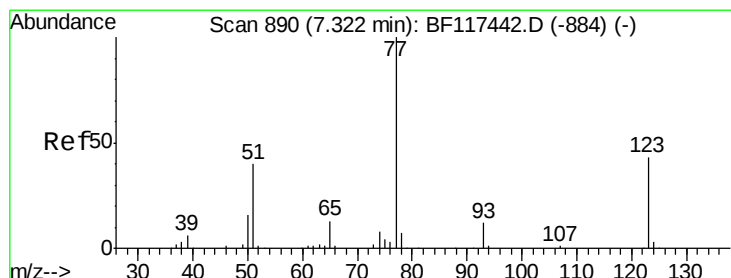
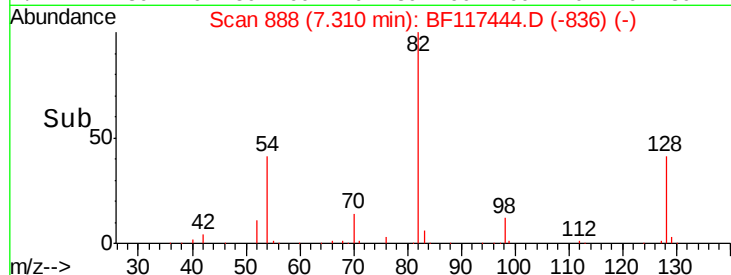
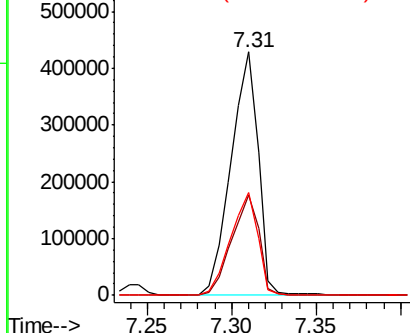
#23  
Nitrobenzene-d5  
Concen: 118.639 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82   | Resp  | 481039 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 41.4 | 32.2  | 48.2   |
| 54        | 42.3 | 34.2  | 51.2   |

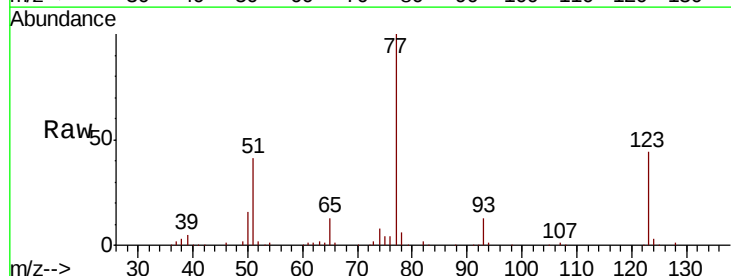


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

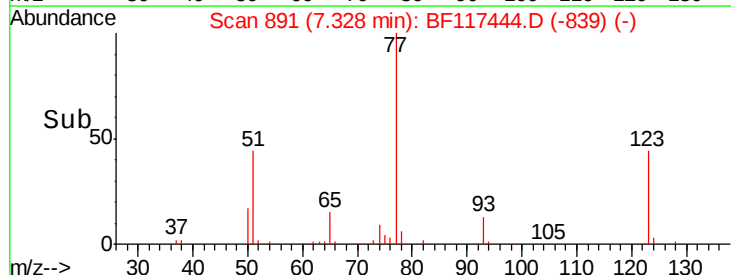
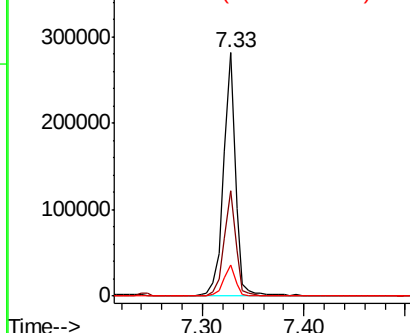


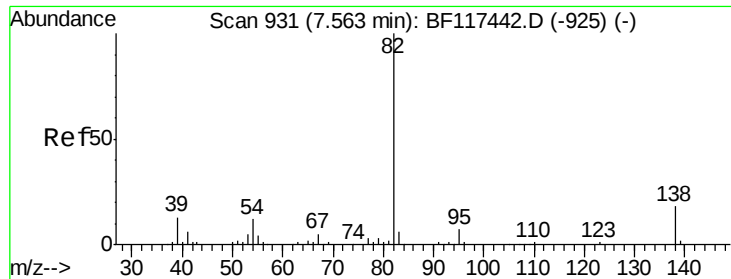
#24  
Nitrobenzene  
Concen: 56.675 ng  
RT: 7.33 min Scan# 891  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion   | 77   | Resp  | 230190 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 43.5 | 34.2  | 51.2   |
| 65        | 13.0 | 10.3  | 15.5   |



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





#25

Isophorone

Concen: 57.744 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

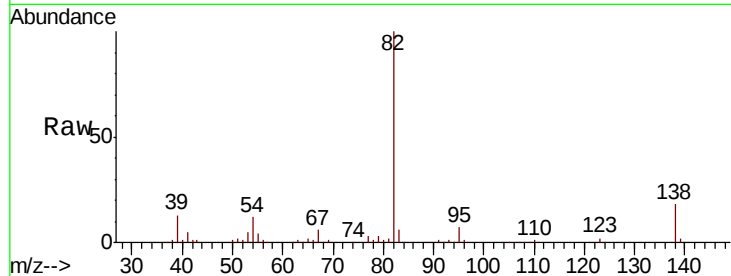
Tot Ion: 82 Resp: 417076

Ion Ratio Lower Upper

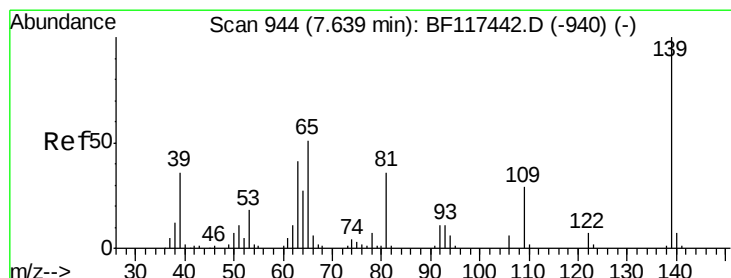
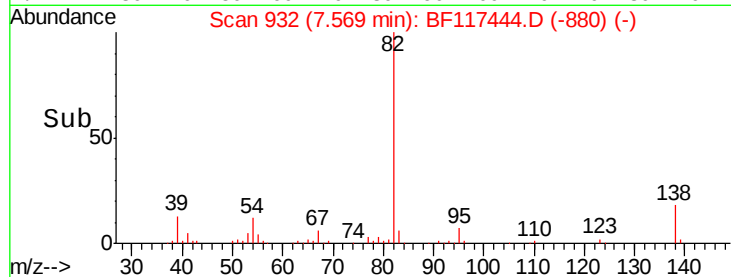
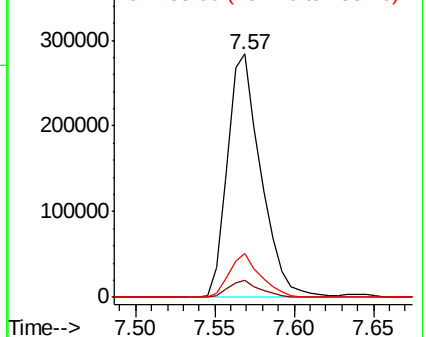
82 100

95 7.0 5.4 8.0

138 17.9 14.2 21.2



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



#26

2-Nitrophenol

Concen: 58.150 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

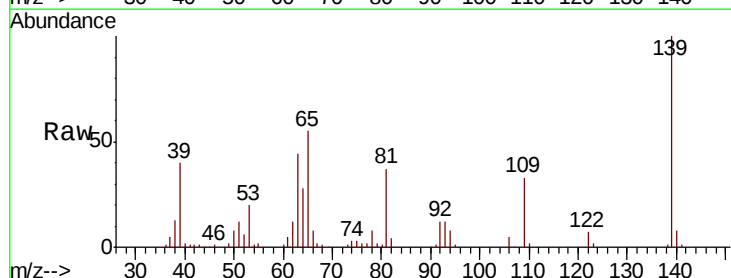
Tgt Ion: 139 Resp: 104790

Ion Ratio Lower Upper

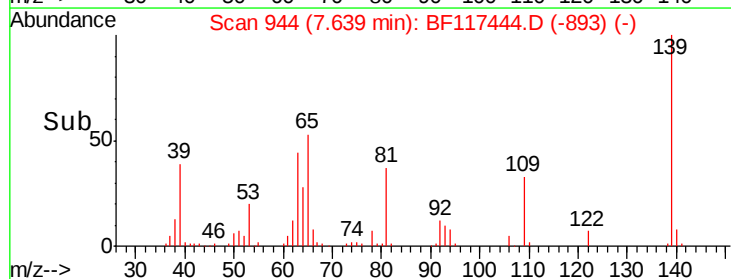
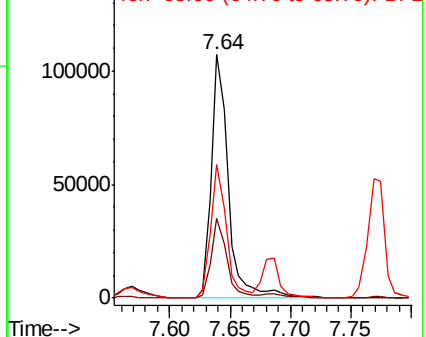
139 100

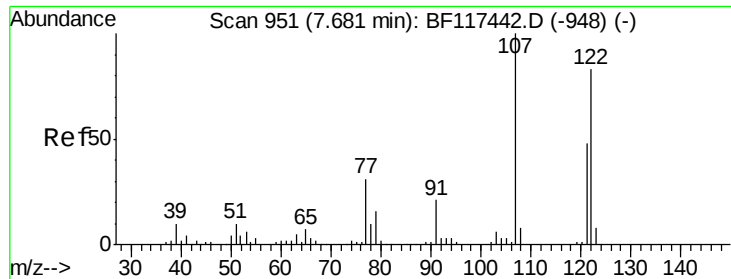
109 32.6 23.2 34.8

65 54.9 41.1 61.7



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

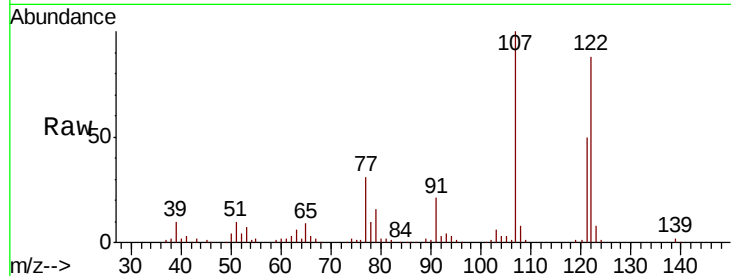




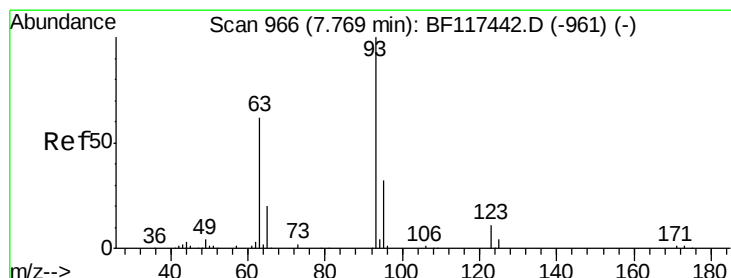
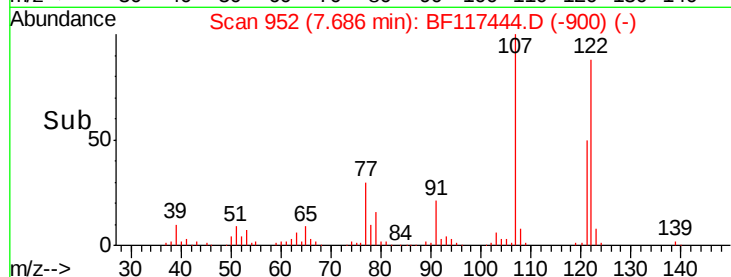
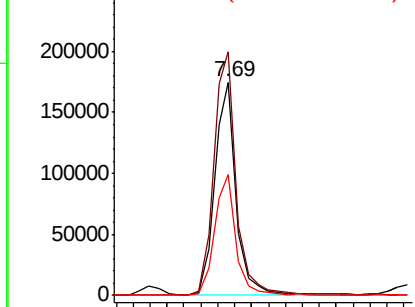
#27  
 2,4-Dimethylphenol  
 Concen: 56.113 ng  
 RT: 7.69 min Scan# 952  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion:122 Resp: 153681  
 Ion Ratio Lower Upper  
 122 100  
 107 114.2 96.8 145.2  
 121 56.6 46.4 69.6

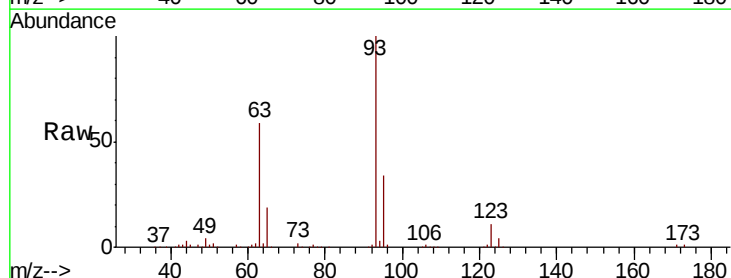


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

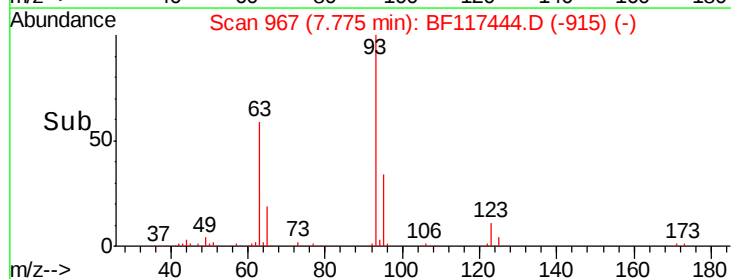
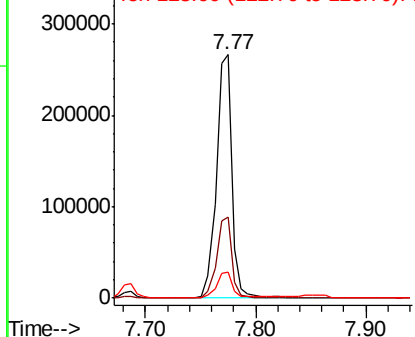


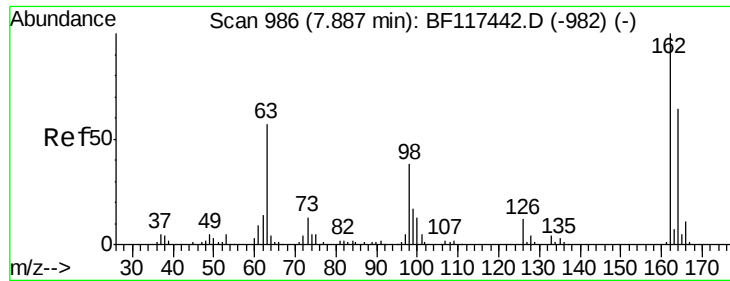
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 57.806 ng  
 RT: 7.77 min Scan# 967  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion: 93 Resp: 258833  
 Ion Ratio Lower Upper  
 93 100  
 95 33.6 25.5 38.3  
 123 10.9 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

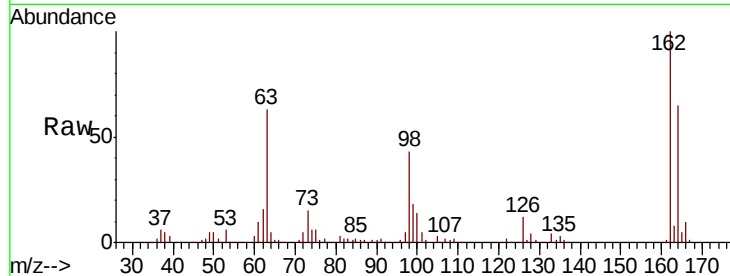




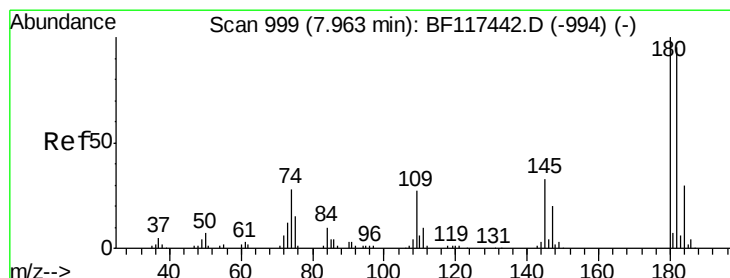
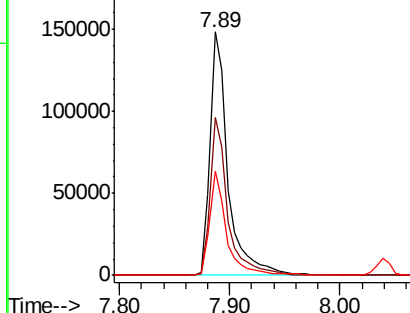
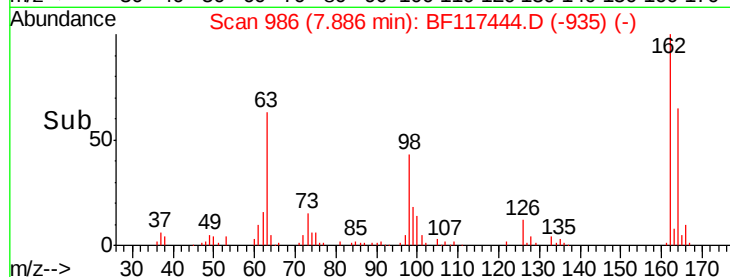
#29  
 2,4-Dichlorophenol  
 Concen: 57.793 ng  
 RT: 7.89 min Scan# 986  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 163320  
 Ion Ratio Lower Upper  
 162 100  
 164 64.9 44.4 84.4  
 98 42.8 18.2 58.2

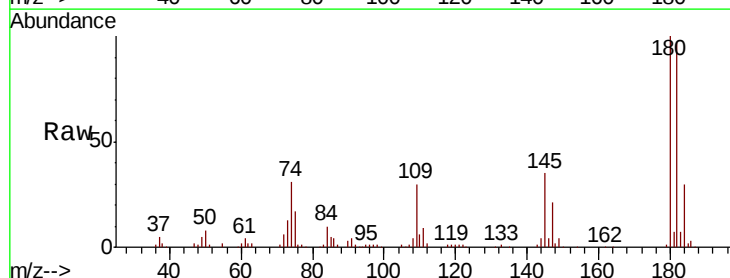


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

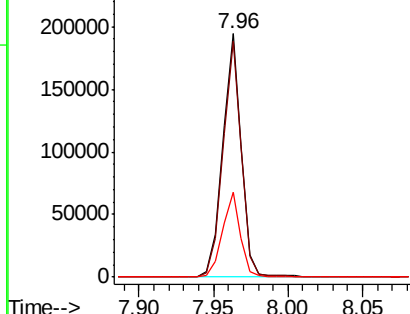
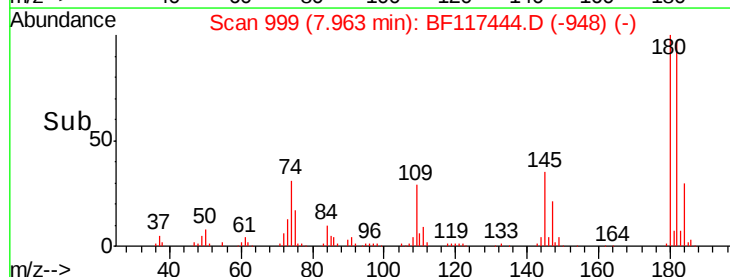


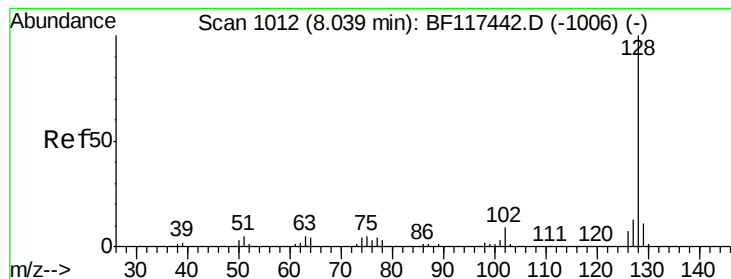
#30  
 1,2,4-Trichlorobenzene  
 Concen: 56.250 ng  
 RT: 7.96 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion:180 Resp: 171361  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 75.8 113.8  
 145 34.7 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 56.891 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

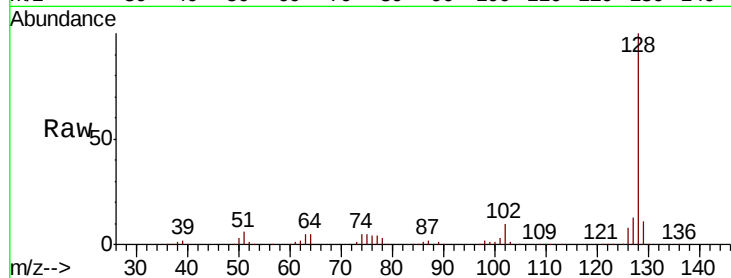
Tot Ion:128 Resp: 583944

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

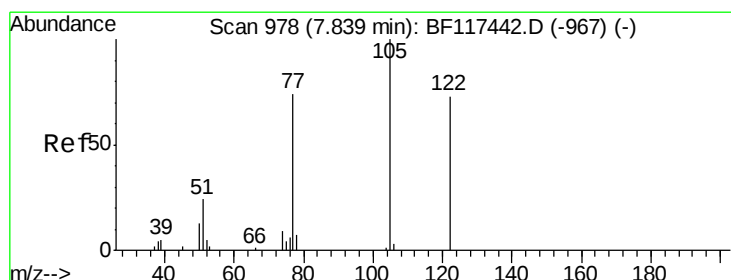
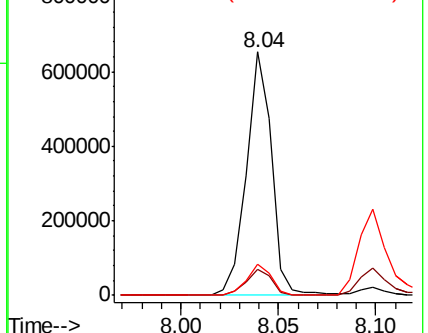
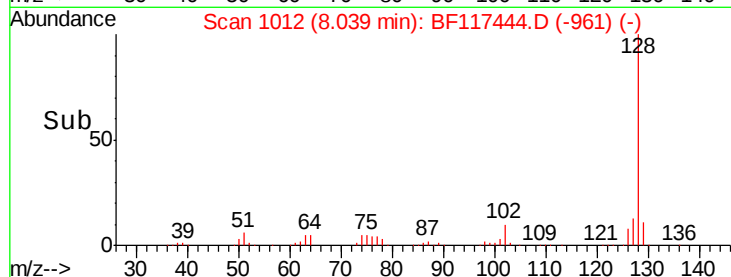
127 12.8 10.2 15.2



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: 67.847 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.02 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

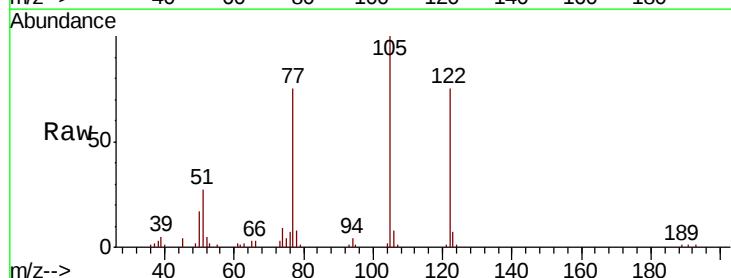
Tgt Ion:122 Resp: 115708

Ion Ratio Lower Upper

122 100

105 133.8 115.0 155.0

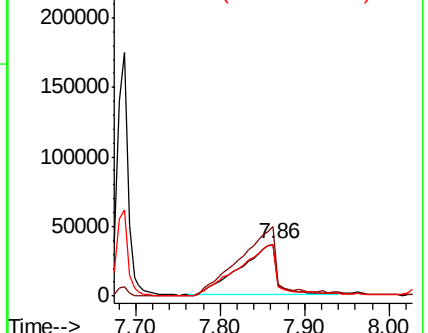
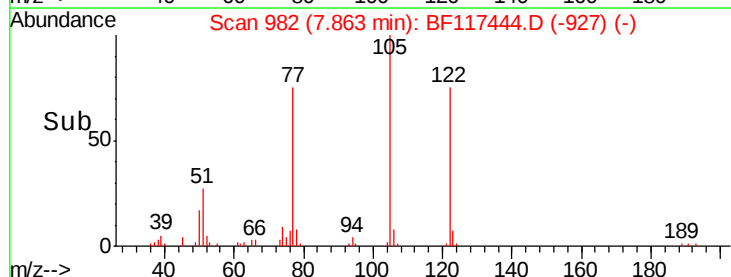
77 99.7 79.7 119.7

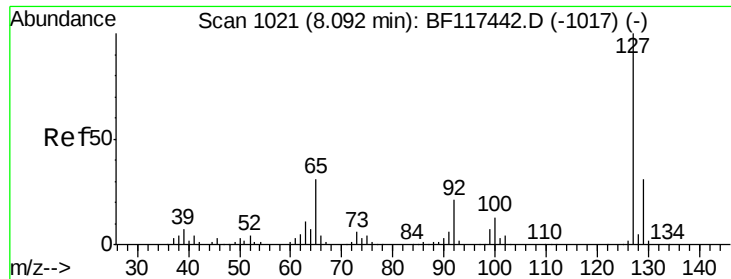


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

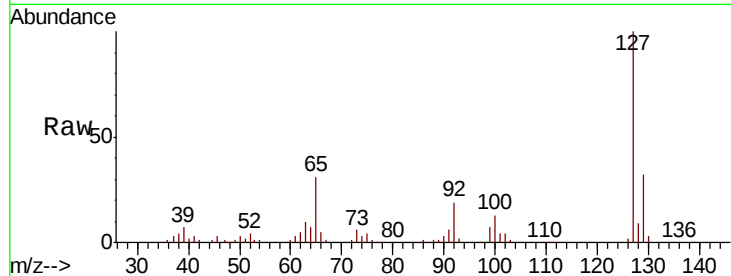




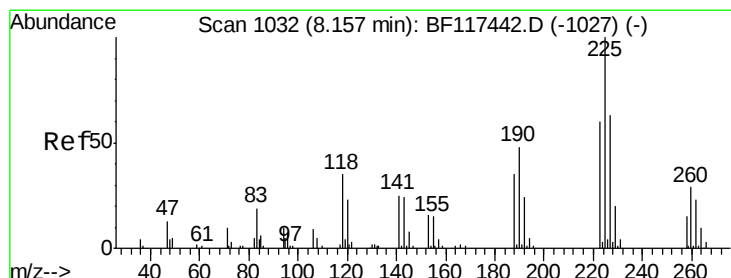
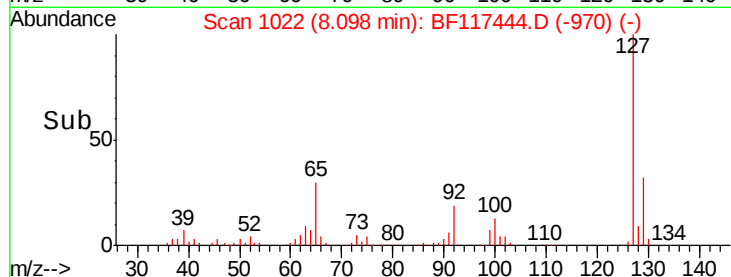
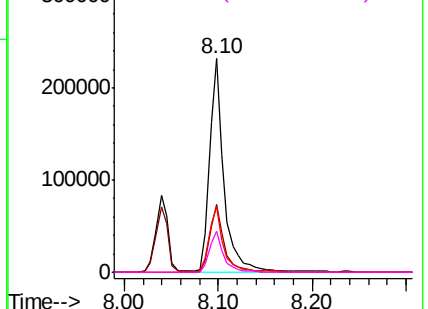
#33  
4-Chloroaniline  
Concen: 56.843 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 247785    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.6  | 24.8 37.2 |
| 65          | 30.7  | 24.6 37.0 |
| 92          | 19.1  | 16.5 24.7 |

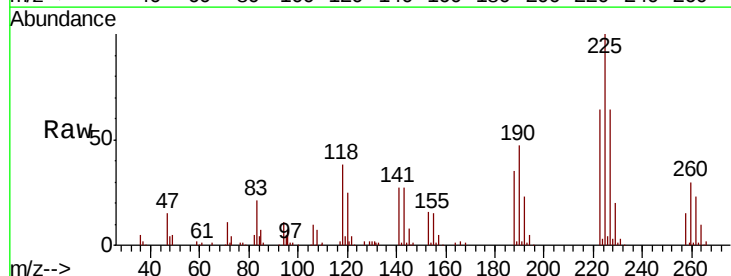


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

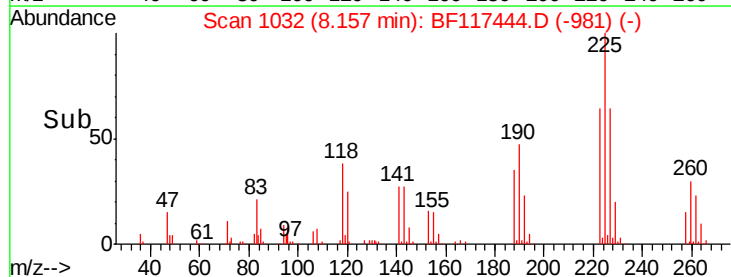
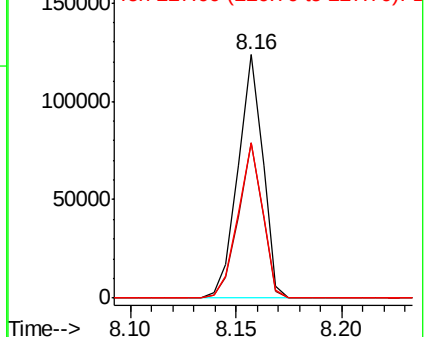


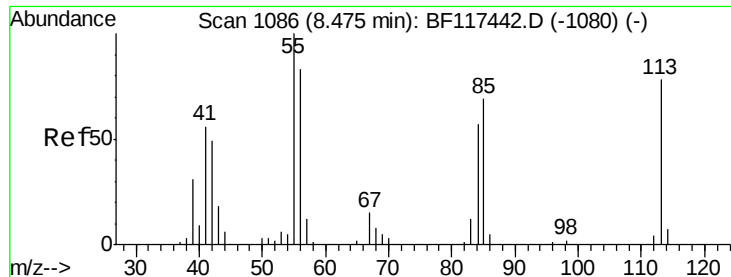
#34  
Hexachlorobutadiene  
Concen: 57.663 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 100610    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.8  | 48.2 72.4 |
| 227         | 63.7  | 50.2 75.4 |



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

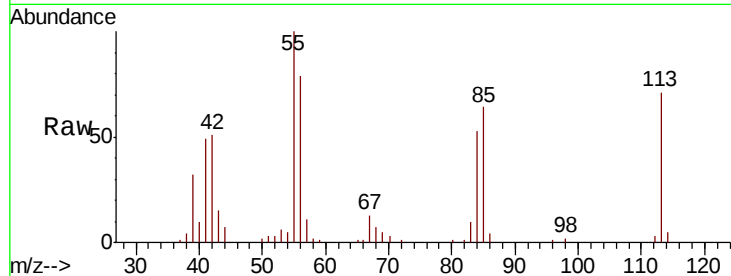




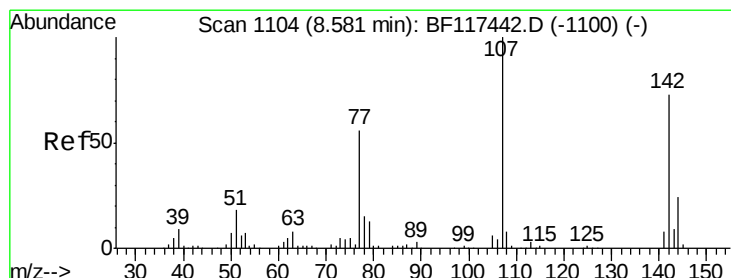
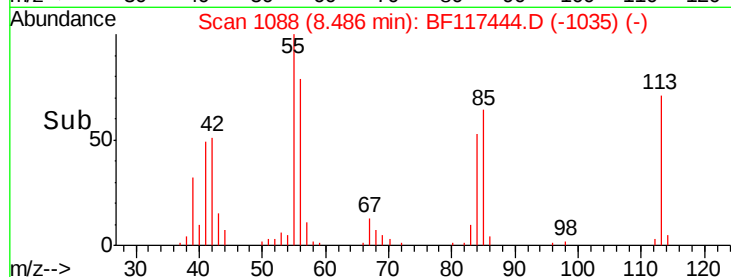
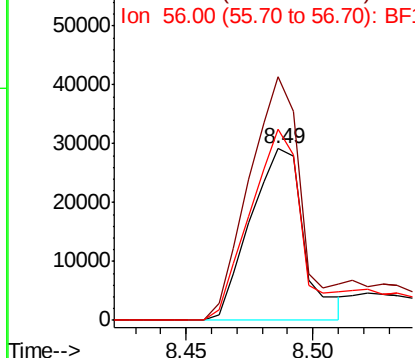
#35  
Caprolactam  
Concen: 48.129 ng  
RT: 8.49 min Scan# 1088  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 42593  
Ion Ratio Lower Upper  
113 100  
55 141.8 108.8 148.8  
56 111.3 87.2 127.2

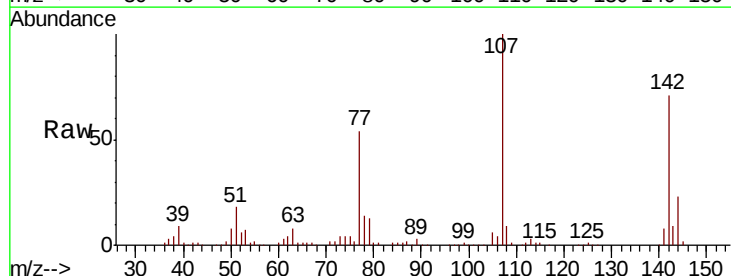


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

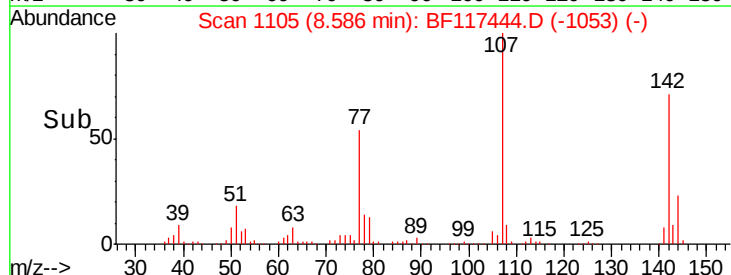
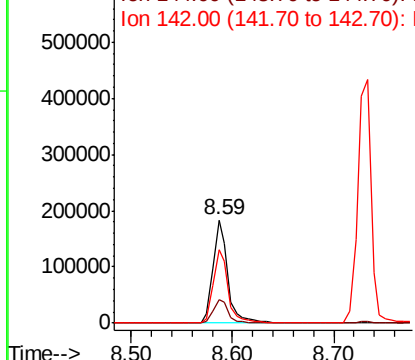


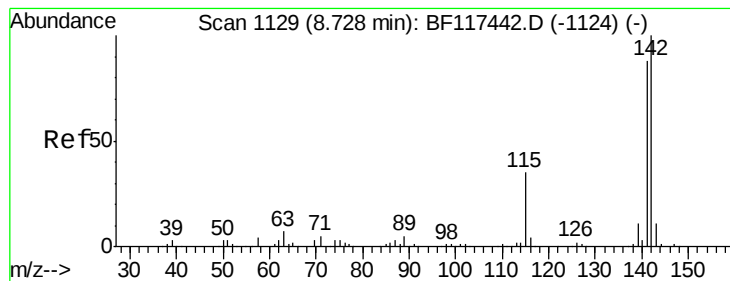
#36  
4-Chloro-3-methylphenol  
Concen: 58.146 ng  
RT: 8.59 min Scan# 1105  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:107 Resp: 186975  
Ion Ratio Lower Upper  
107 100  
144 22.6 18.9 28.3  
142 71.0 58.6 88.0



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

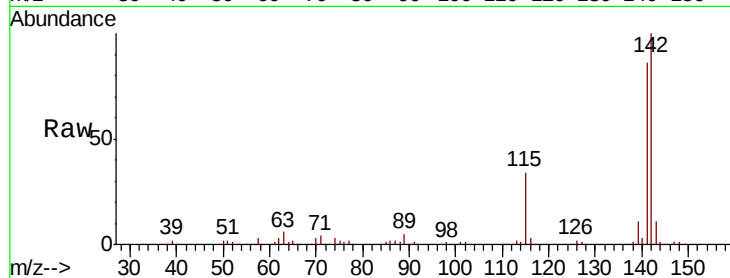




#37  
2-Methylnaphthalene  
Concen: 57.982 ng  
RT: 8.73 min Scan# 1130  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.5  | 70.3  | 105.5 |
| 115     | 33.5  | 28.2  | 42.2  |

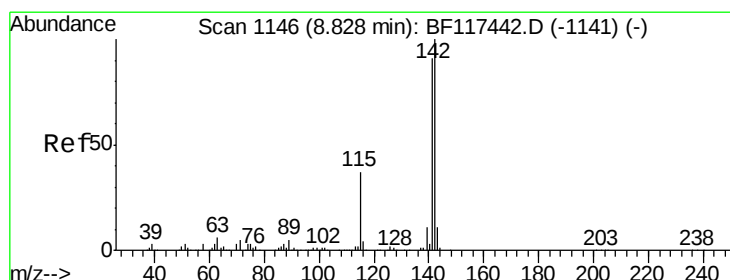
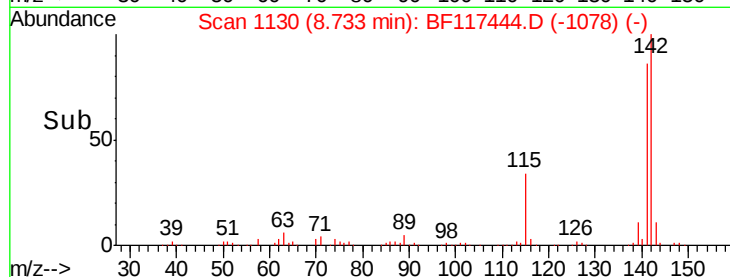
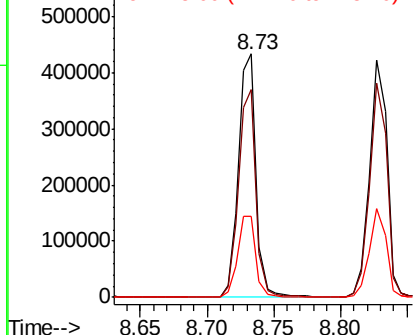


Abundance

Ion 142.00 (141.70 to 142.70): E

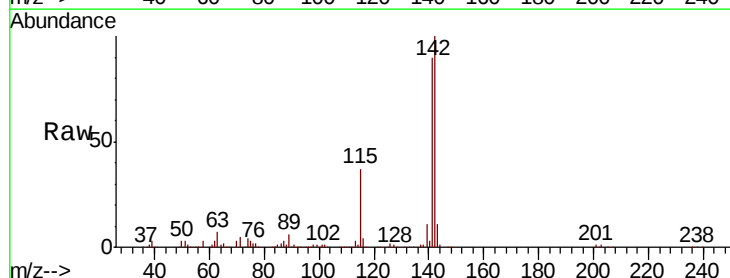
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 57.224 ng  
RT: 8.83 min Scan# 1146  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.4  | 73.3  | 109.9 |
| 116     | 3.8   | 3.1   | 4.7   |

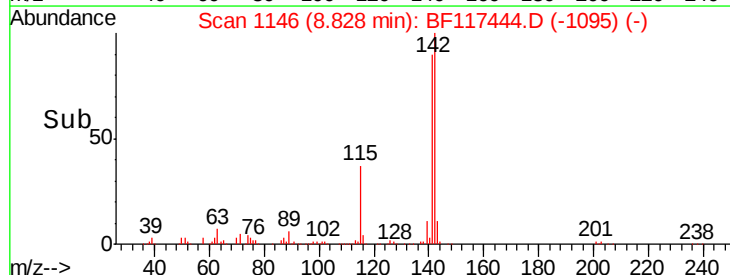
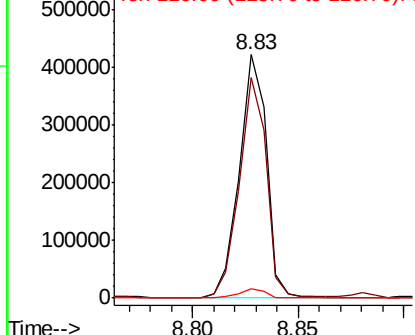


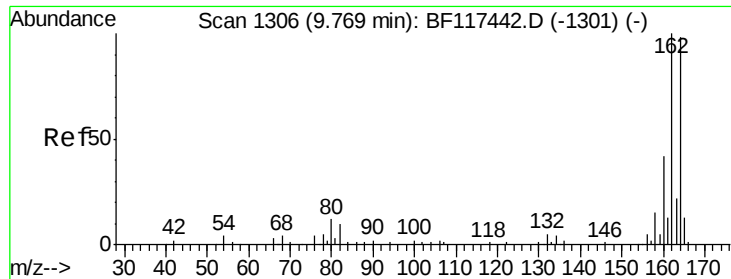
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

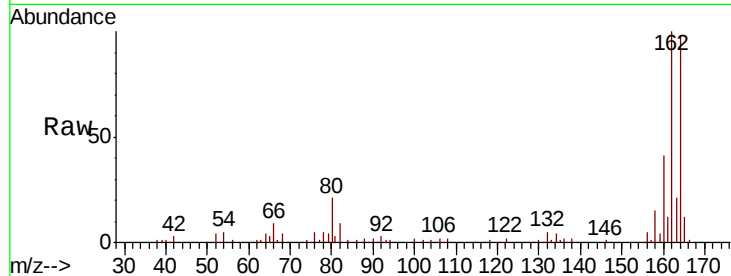




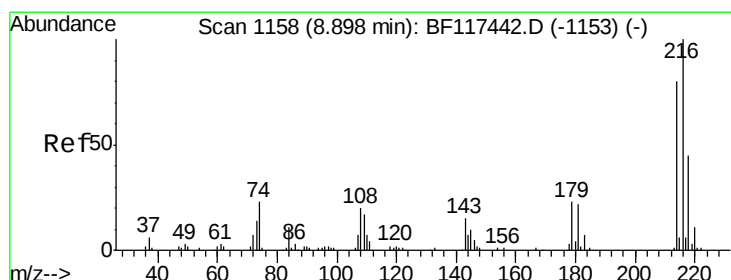
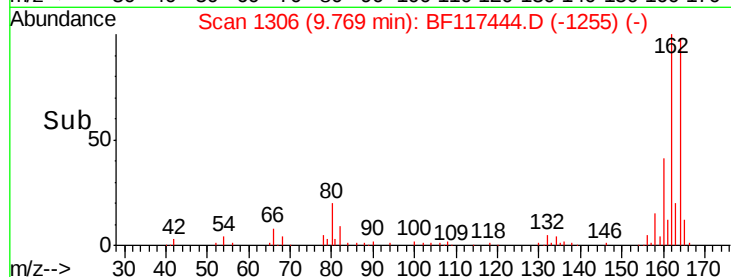
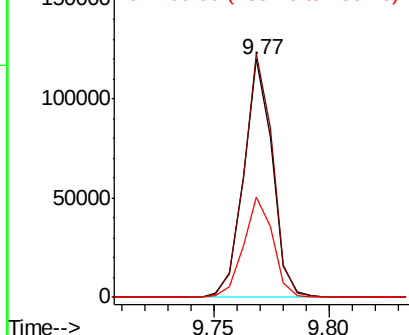
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 103773  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.8 122.6  
160 42.3 34.4 51.6

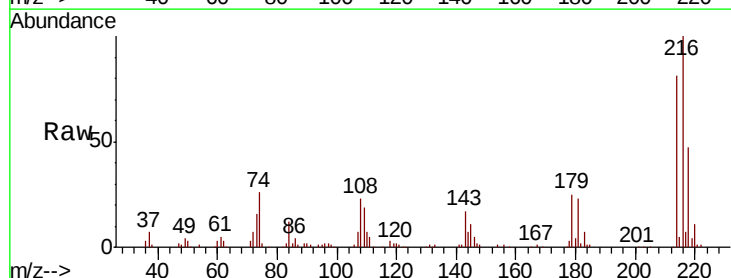


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

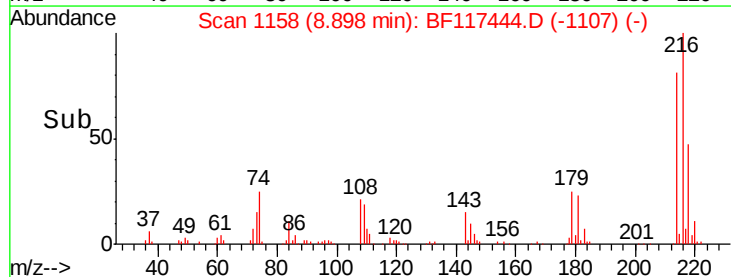
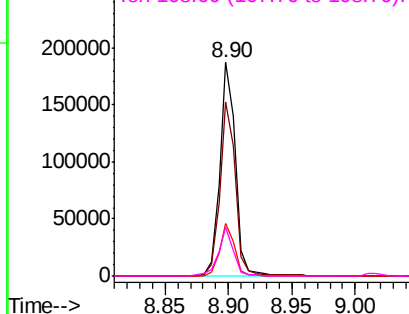


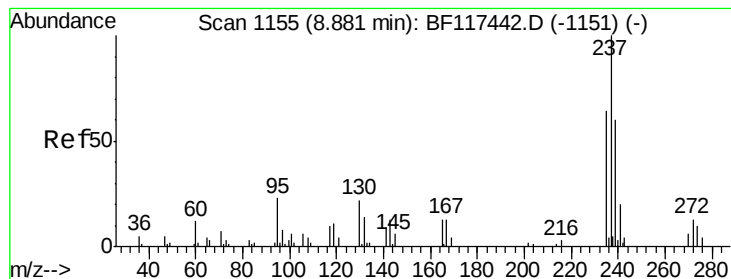
#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 58.145 ng  
RT: 8.90 min Scan# 1158  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:216 Resp: 162391  
Ion Ratio Lower Upper  
216 100  
214 81.1 62.4 93.6  
179 23.7 18.1 27.1  
108 22.3 16.6 24.8



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: 75.438 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

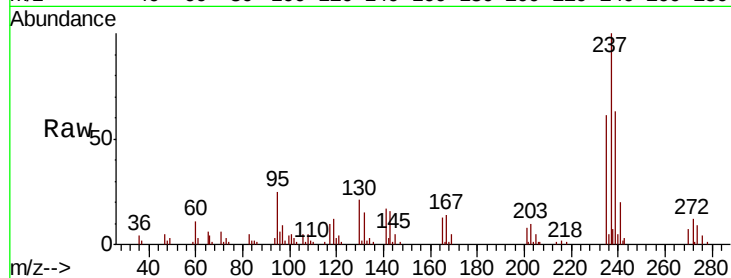
Tot Ion:237 Resp: 39343

Ion Ratio Lower Upper

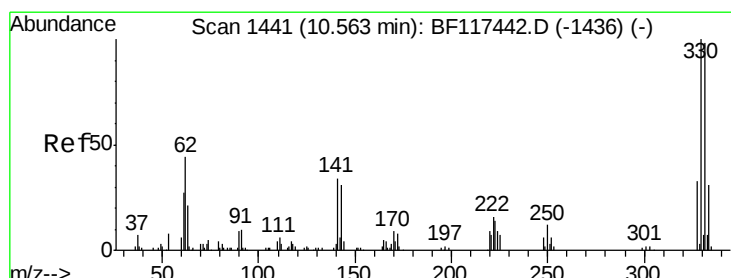
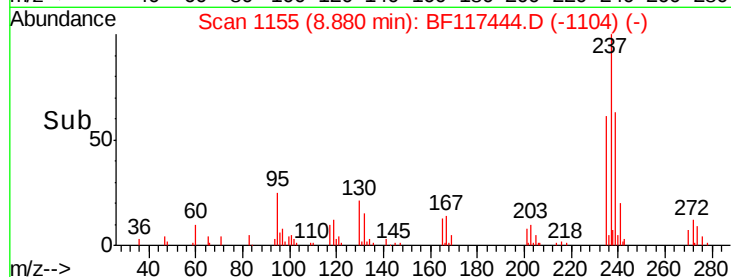
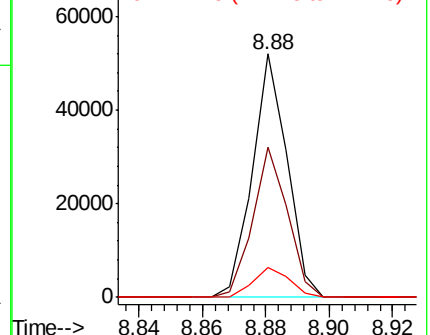
237 100

235 61.5 44.3 84.3

272 12.1 0.0 33.2



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



#42

2,4,6-Tribromophenol

Concen: 126.040 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

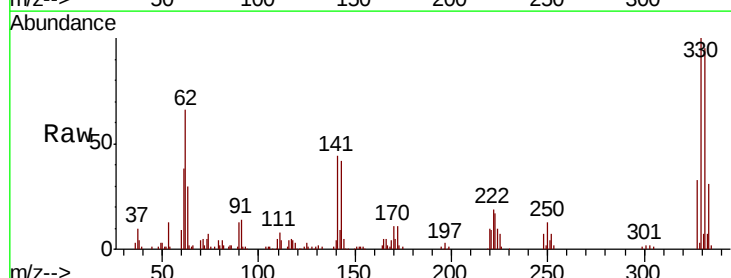
Tgt Ion:330 Resp: 106450

Ion Ratio Lower Upper

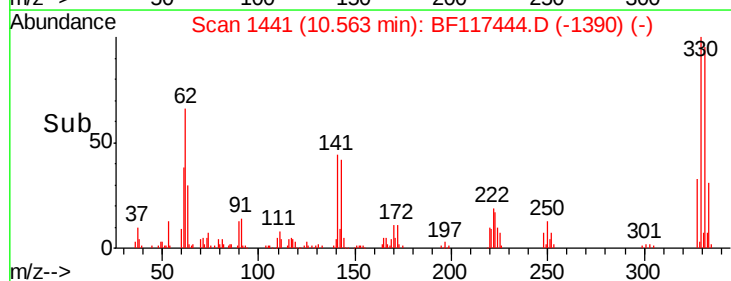
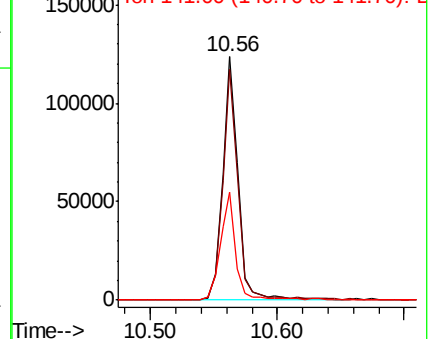
330 100

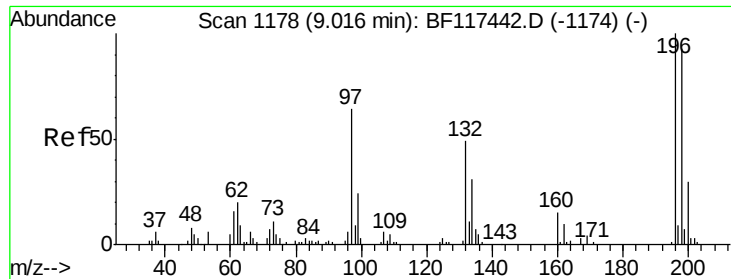
332 95.6 78.5 117.7

141 43.6 37.0 55.6



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

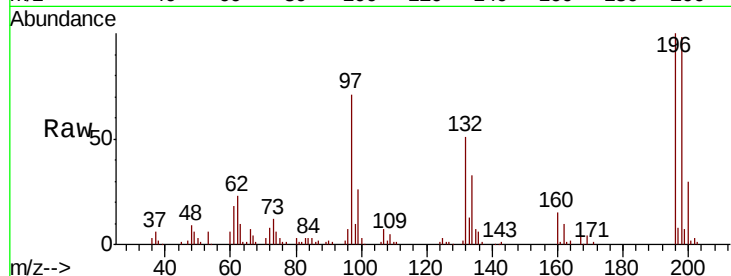




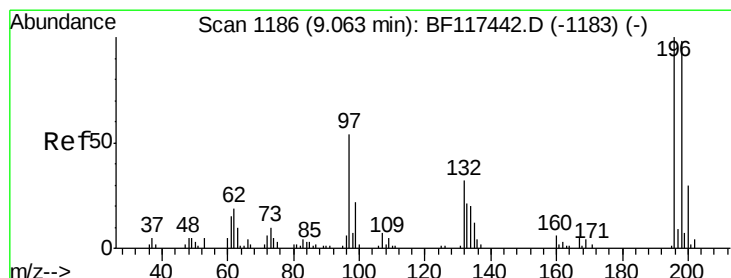
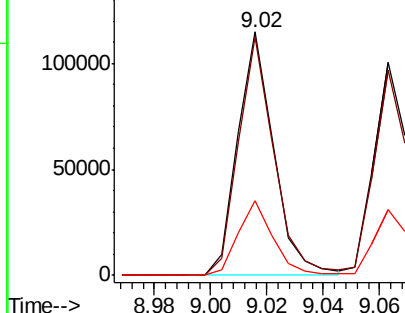
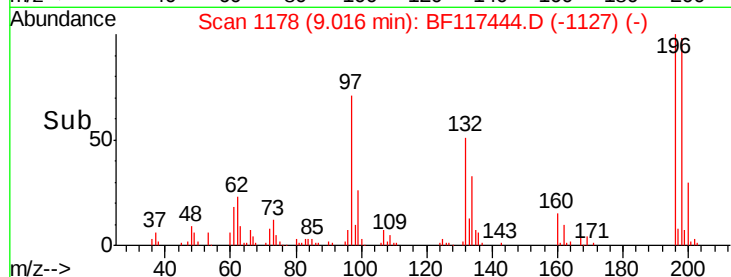
#43  
2,4,6-Trichlorophenol  
Concen: 57.542 ng  
RT: 9.02 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 101704  
Ion Ratio Lower Upper  
196 100  
198 97.7 74.1 111.1  
200 30.4 23.9 35.9

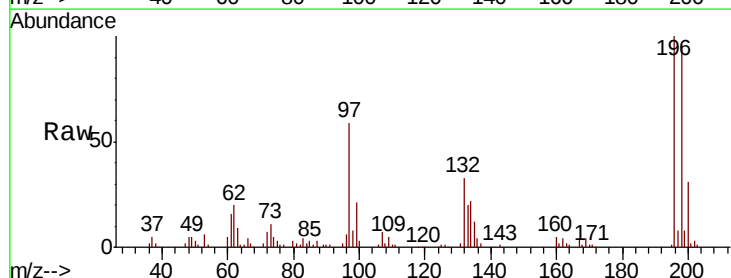


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

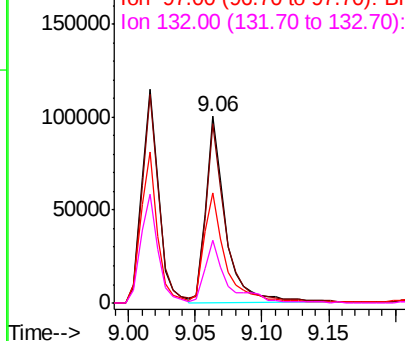
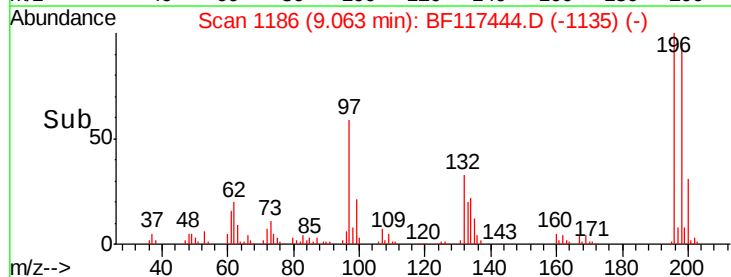


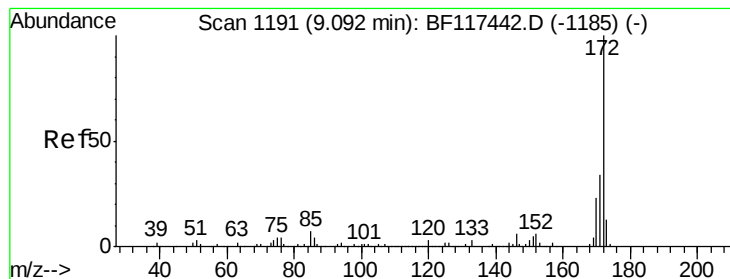
#44  
2,4,5-Trichlorophenol  
Concen: 57.733 ng  
RT: 9.06 min Scan# 1186  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:196 Resp: 104085  
Ion Ratio Lower Upper  
196 100  
198 96.2 78.6 117.8  
97 59.1 43.4 65.2  
132 33.3 26.0 39.0



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: 119.962 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

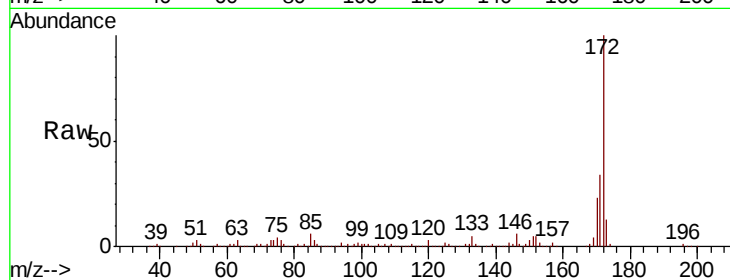
Instrument :

BNA\_F

ClientSampled :

Tot Ion:172 Resp: 853897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.4  | 27.5  | 41.3  |
| 170 | 23.4  | 18.6  | 27.8  |

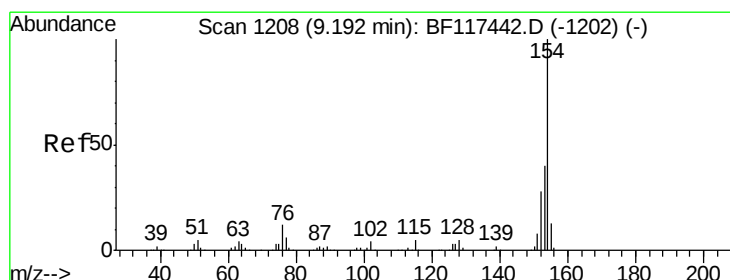
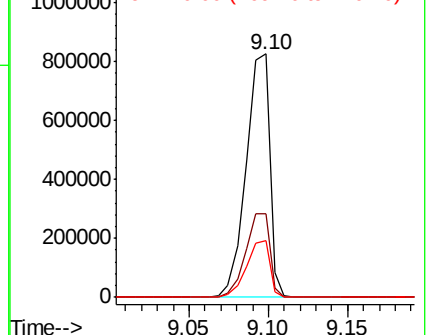
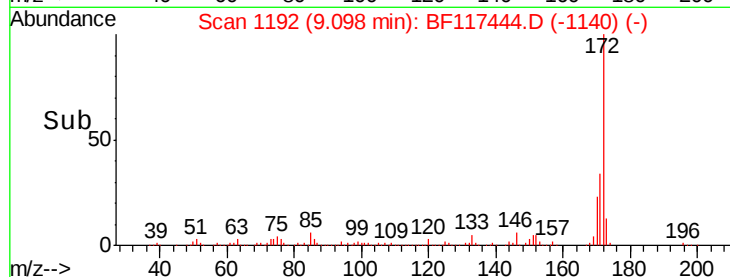


Abundance

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: 59.306 ng

RT: 9.20 min Scan# 1209

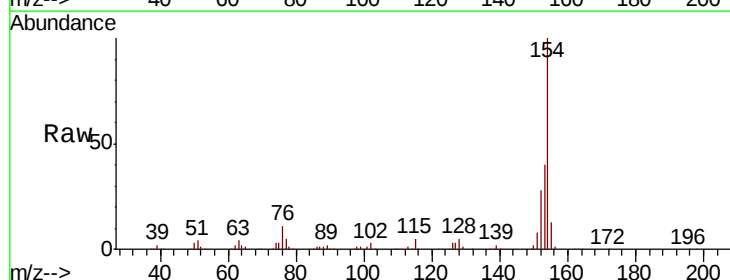
Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Tgt Ion:154 Resp: 502779

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.6  | 20.2  | 60.2  |
| 76  | 11.2  | 0.0   | 32.1  |

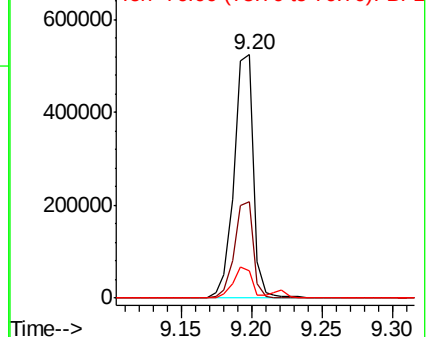
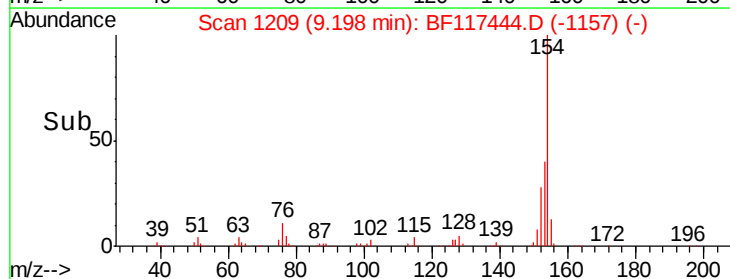


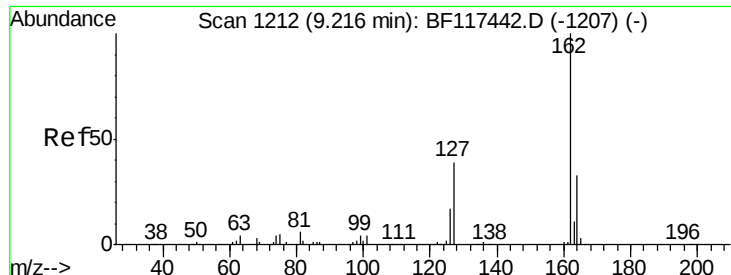
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

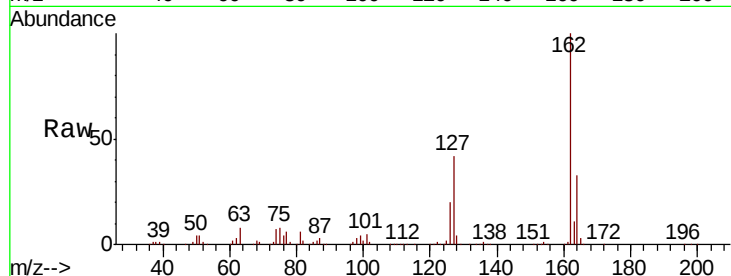




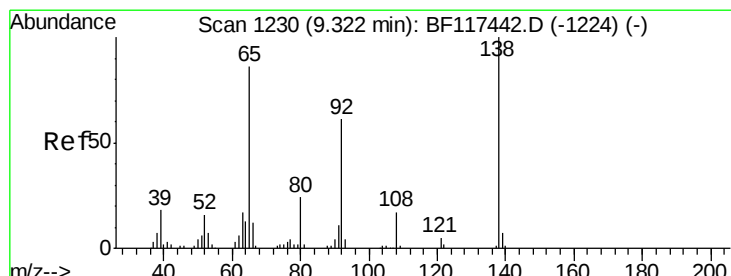
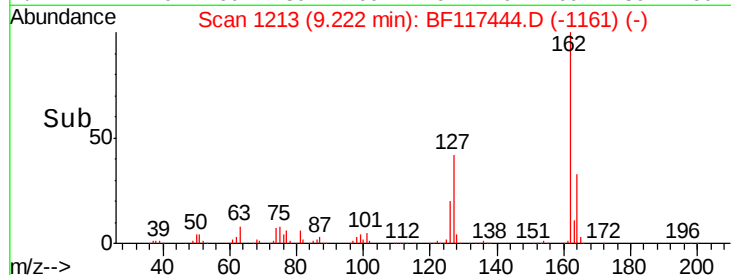
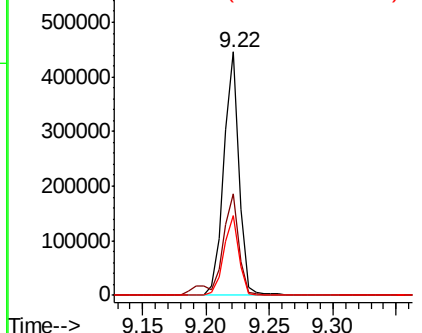
#47  
 2-Chloronaphthalene  
 Concen: 56.744 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.7  | 34.2  | 51.4  |
| 164     | 32.8  | 26.4  | 39.6  |

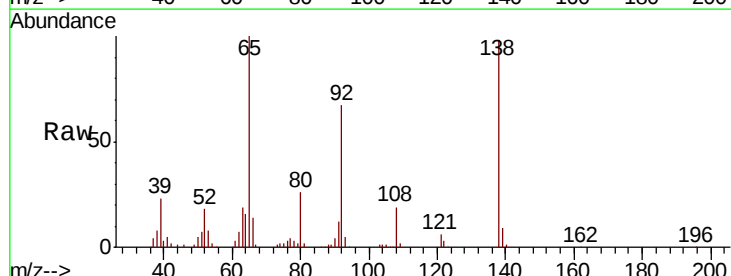


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

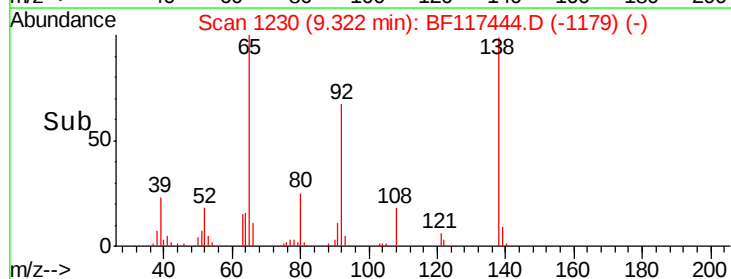
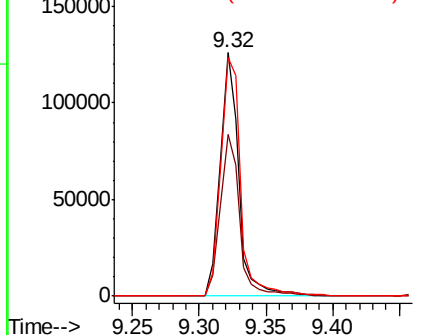


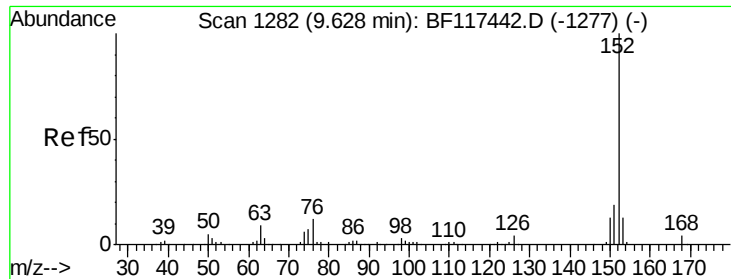
#48  
 2-Nitroaniline  
 Concen: 59.469 ng  
 RT: 9.32 min Scan# 1230  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 66.6  | 57.3  | 85.9  |
| 138     | 98.2  | 93.3  | 139.9 |



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

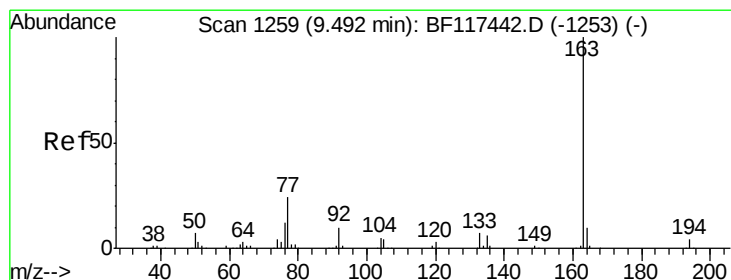
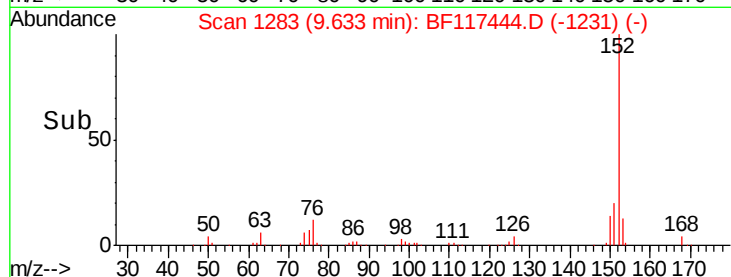
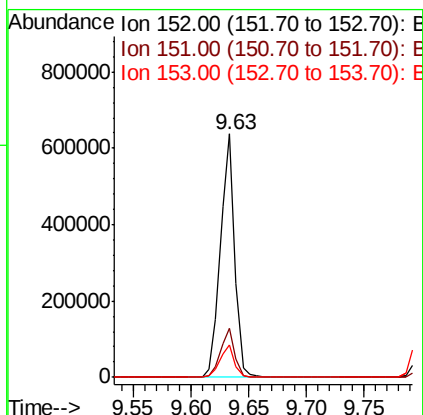
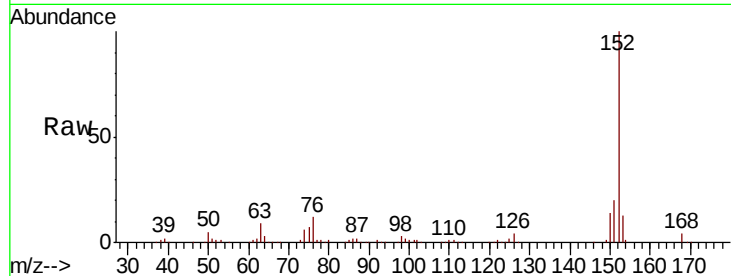




#49  
Acenaphthylene  
Concen: 56.761 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

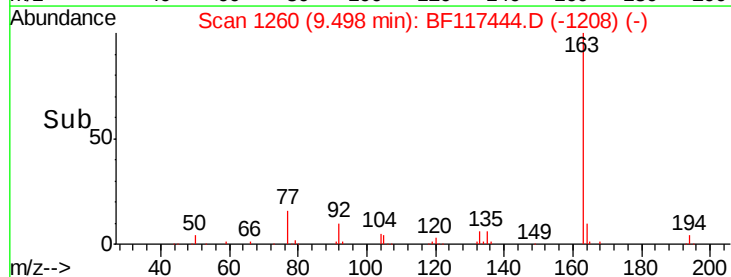
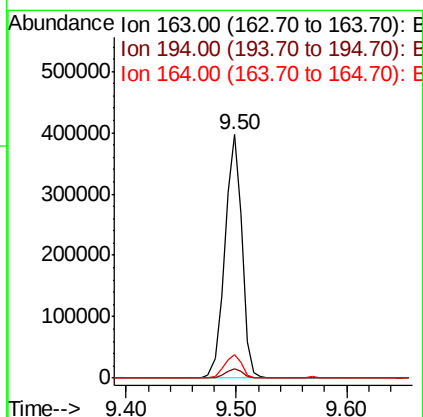
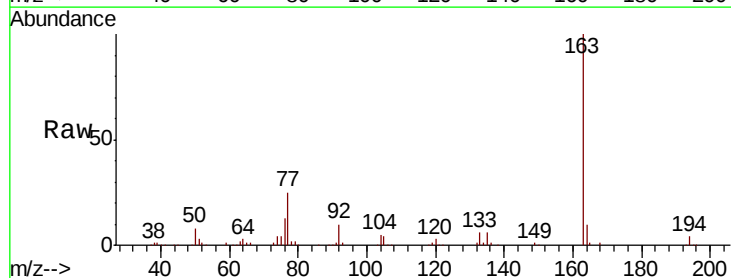
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.1  | 15.4  | 23.0  |
| 153     | 13.2  | 10.3  | 15.5  |



#50  
Dimethylphthalate  
Concen: 57.604 ng  
RT: 9.50 min Scan# 1260  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 2.9   | 4.3   |
| 164     | 9.7   | 8.2   | 12.2  |

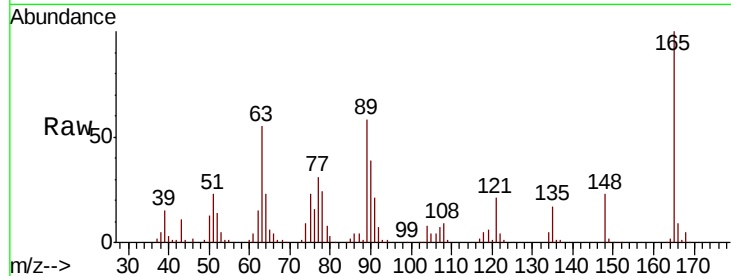




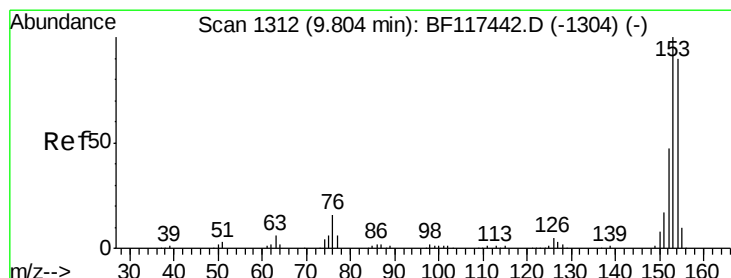
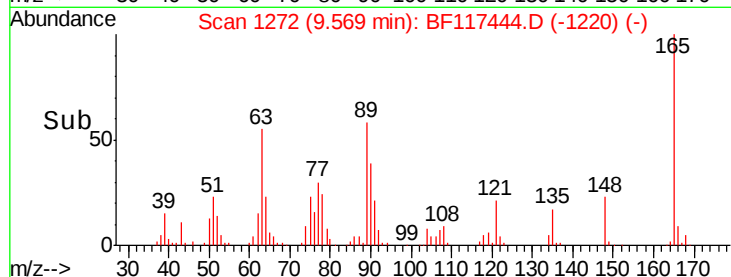
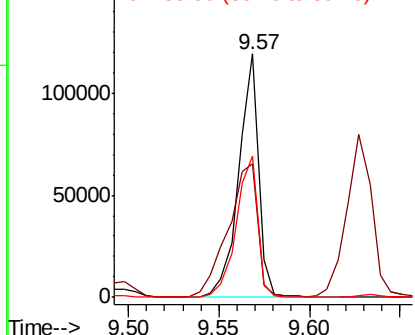
#51  
2,6-Dinitrotoluene  
Concen: 58.176 ng  
RT: 9.57 min Scan# 1272  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 91132  
Ion Ratio Lower Upper  
165 100  
63 54.7 43.8 65.8  
89 58.0 47.6 71.4

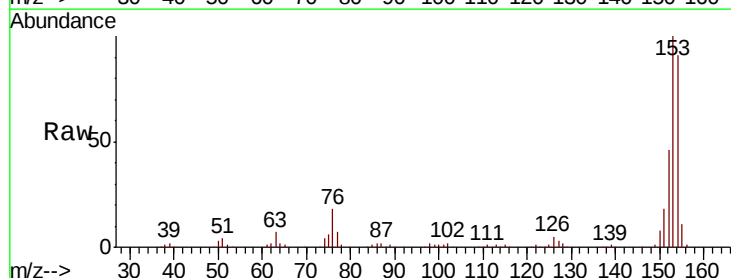


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

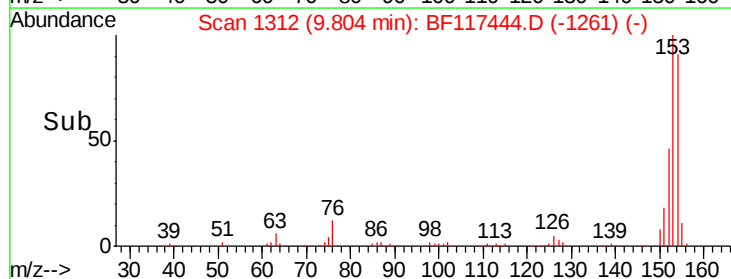
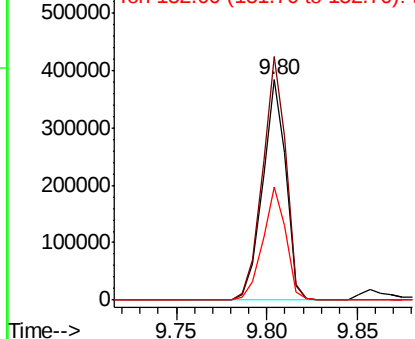


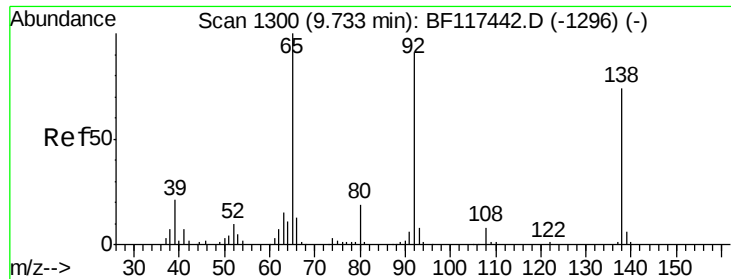
#52  
Acenaphthene  
Concen: 57.985 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:154 Resp: 341352  
Ion Ratio Lower Upper  
154 100  
153 110.5 89.2 133.8  
152 51.3 41.8 62.6



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

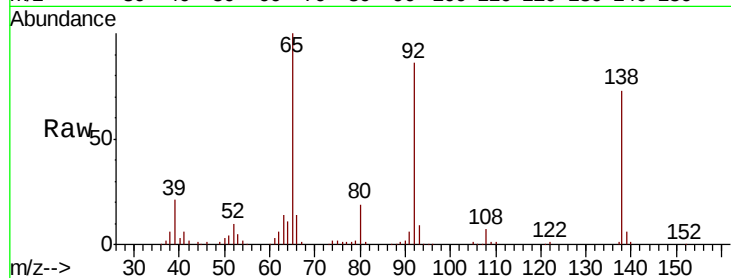




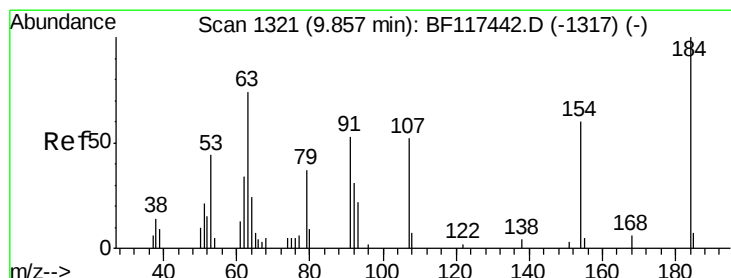
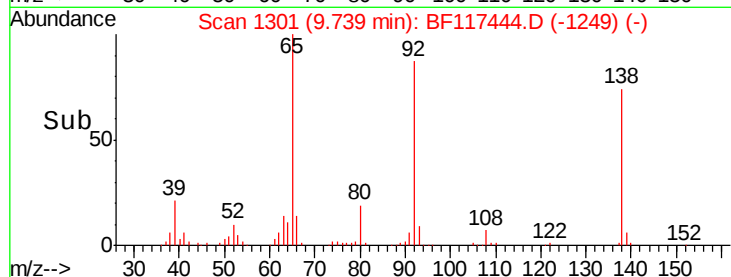
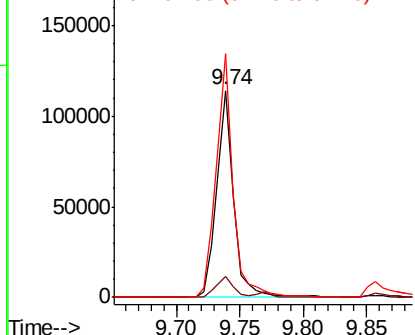
#53  
3-Nitroaniline  
Concen: 57.370 ng  
RT: 9.74 min Scan# 1301  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 109746  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.7 13.1  
92 117.8 98.4 147.6

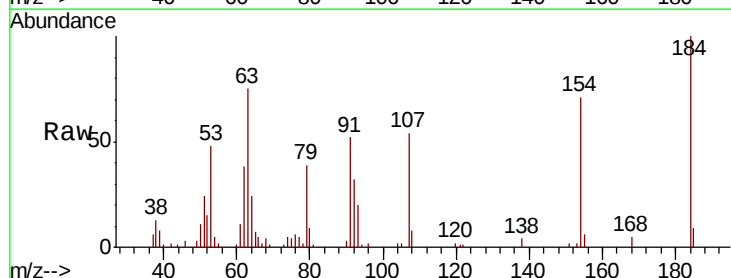


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

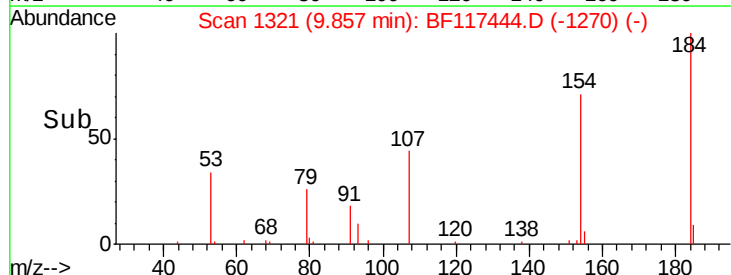
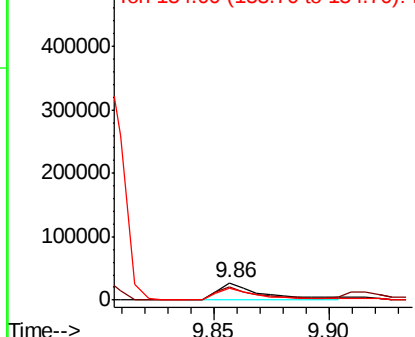


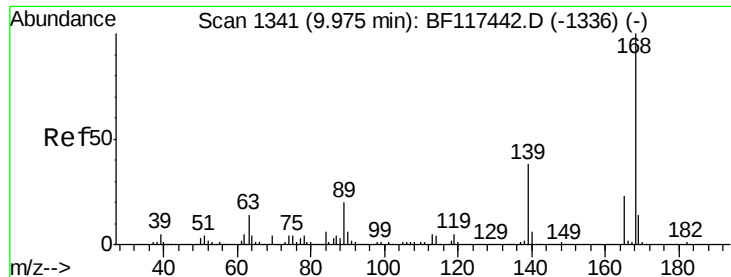
#54  
2,4-Dinitrophenol  
Concen: 60.684 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:184 Resp: 36422  
Ion Ratio Lower Upper  
184 100  
63 74.7 59.2 88.8  
154 70.6 53.4 80.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

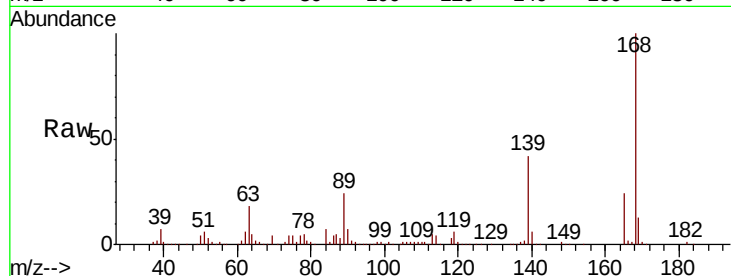




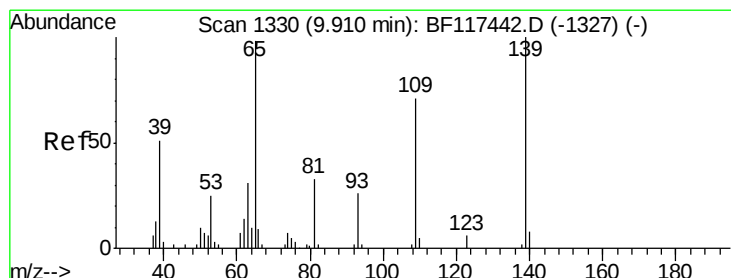
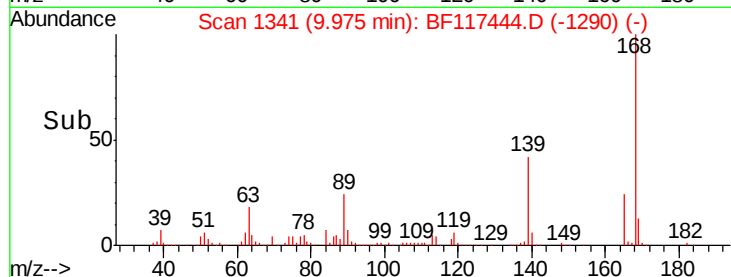
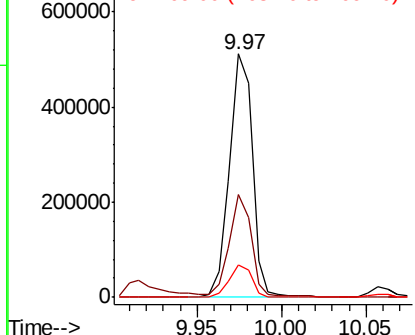
#55  
Dibenzofuran  
Concen: 56.577 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 485857  
Ion Ratio Lower Upper  
168 100  
139 42.1 31.8 47.6  
169 13.4 11.2 16.8

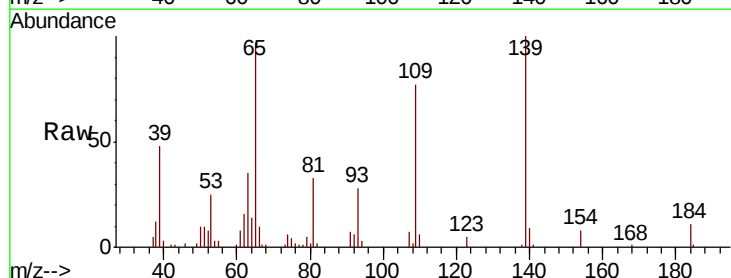


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

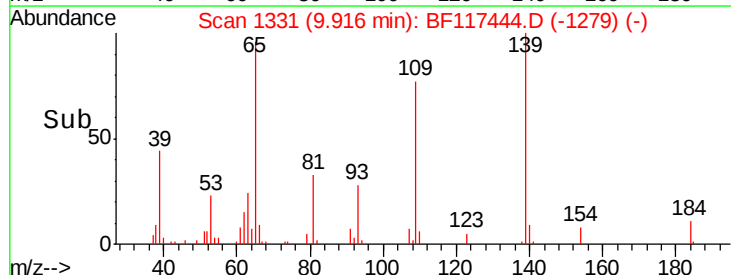
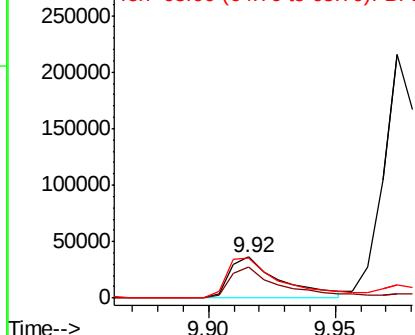


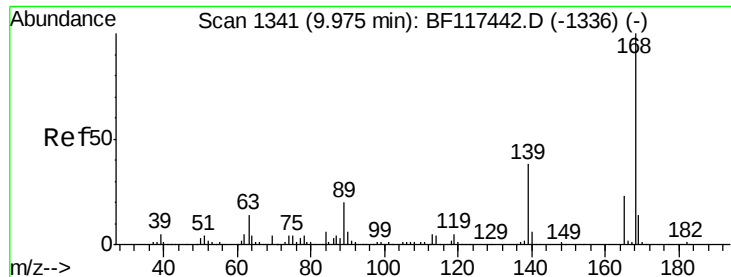
#56  
4-Nitrophenol  
Concen: 66.576 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:139 Resp: 50684  
Ion Ratio Lower Upper  
139 100  
109 76.6 51.4 91.4  
65 97.2 79.4 119.4



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

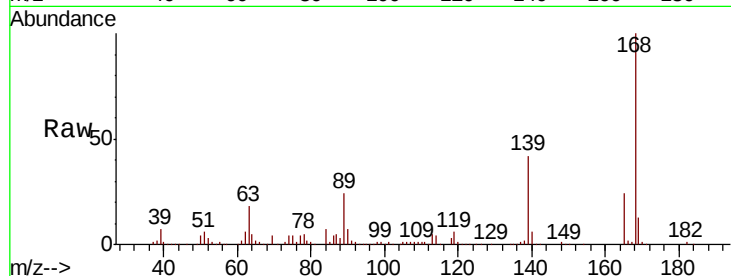




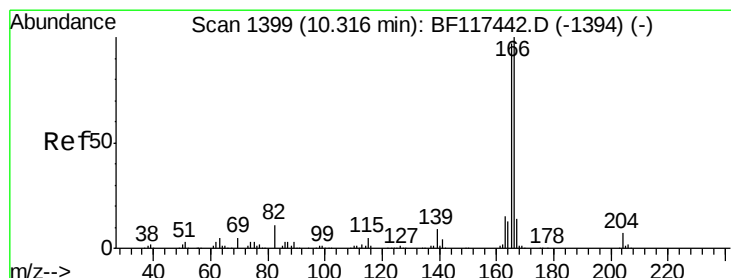
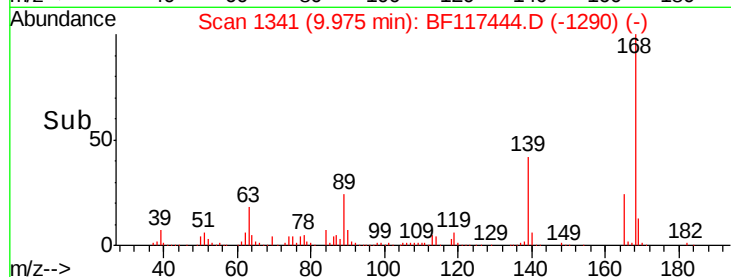
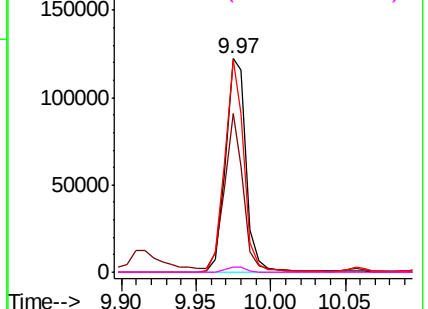
#57  
 2,4-Dinitrotoluene  
 Concen: 58.177 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 120251     |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 74.3  | 51.4 77.0  |
| 89          | 99.4  | 69.9 104.9 |
| 182         | 2.5   | 1.9 2.9    |

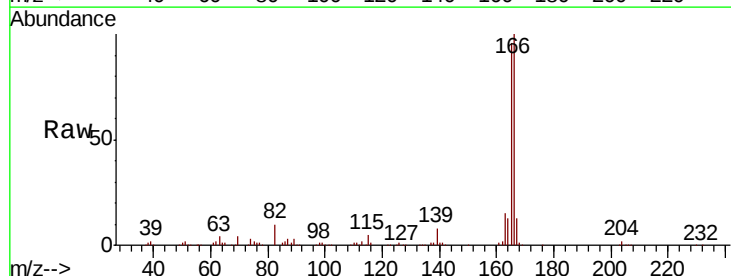


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

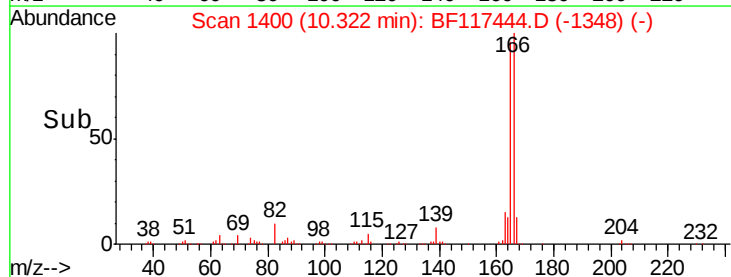
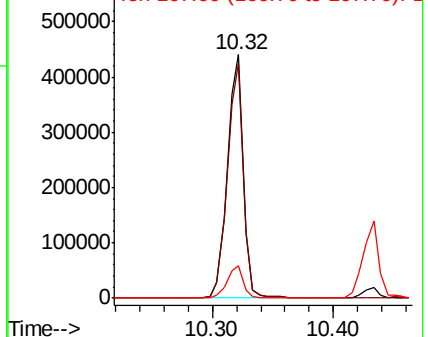


#58  
 Fluorene  
 Concen: 56.485 ng  
 RT: 10.32 min Scan# 1400  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 403880     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 96.3  | 77.6 116.4 |
| 167         | 13.1  | 11.0 16.4  |



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

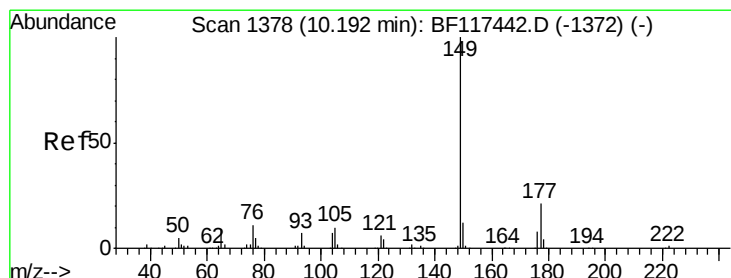
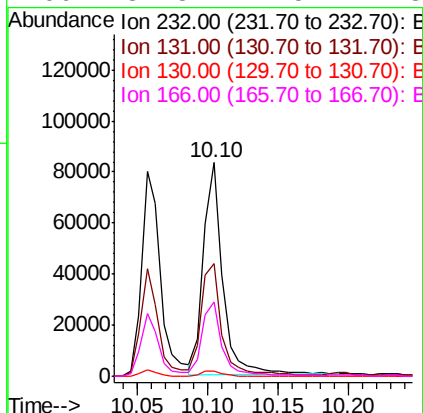
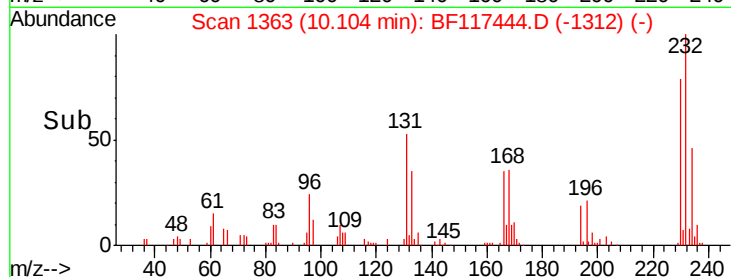
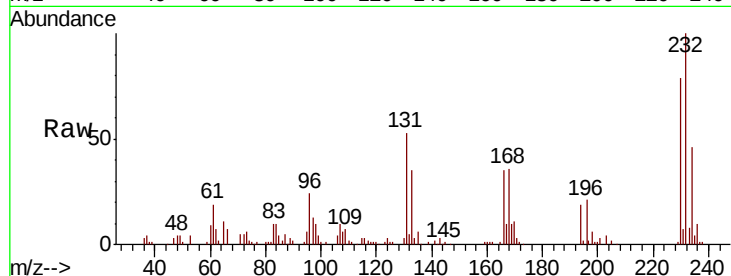




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 57.830 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

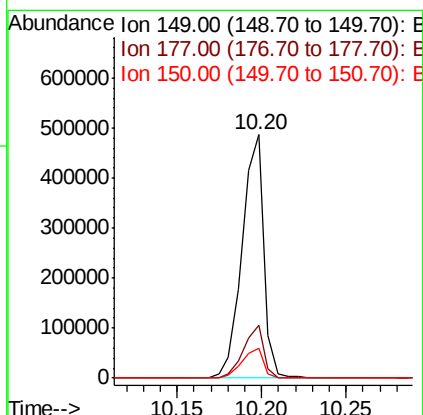
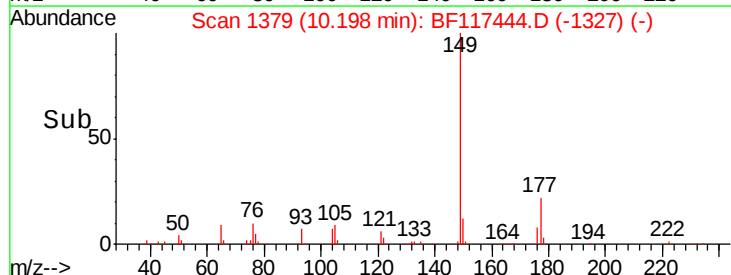
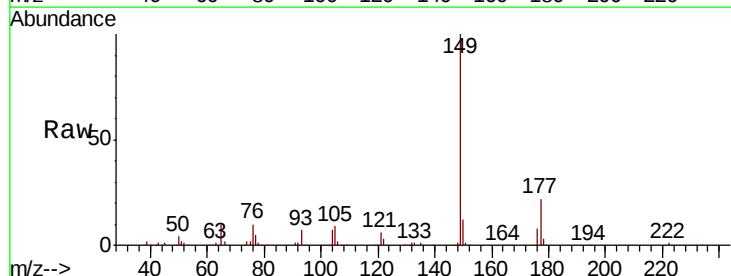
Instrument :  
BNA\_F  
ClientSampleId :

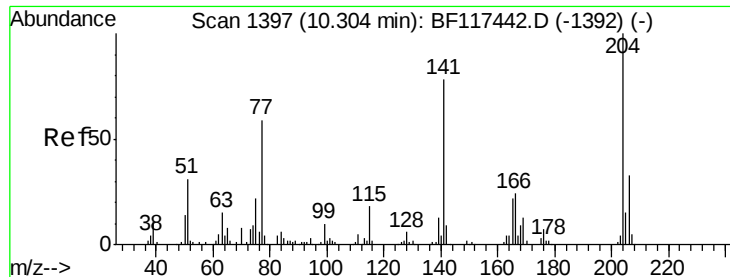
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 57.3  | 42.6  | 63.8  |
| 130     | 2.7   | 2.2   | 3.4   |
| 166     | 37.8  | 27.5  | 41.3  |



#60  
Diethylphthalate  
Concen: 58.110 ng  
RT: 10.20 min Scan# 1379  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 17.0  | 25.4  |
| 150     | 12.3  | 9.8   | 14.6  |

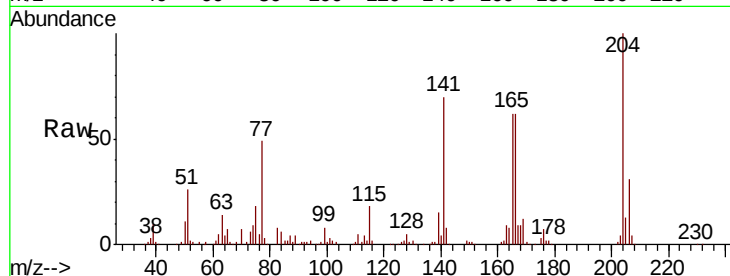




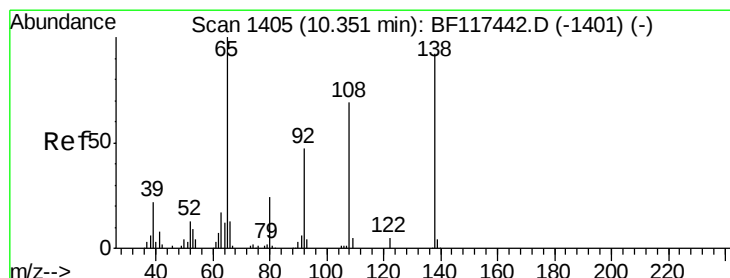
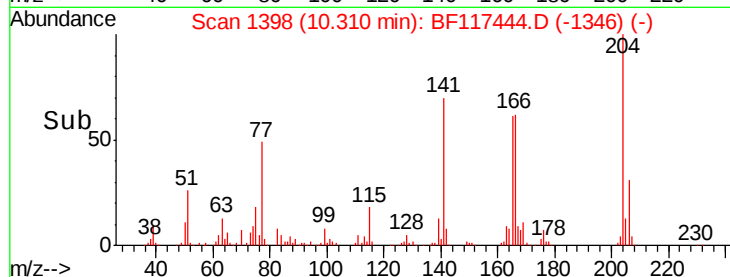
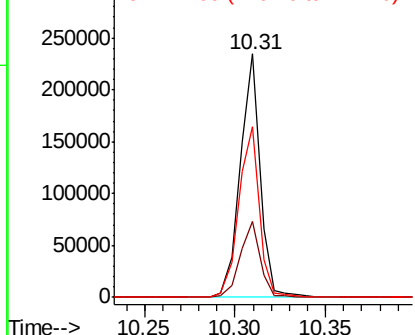
#61  
4-Chlorophenyl-phenylether  
Concen: 56.667 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 179394  
Ion Ratio Lower Upper  
204 100  
206 31.3 26.3 39.5  
141 69.9 62.2 93.4

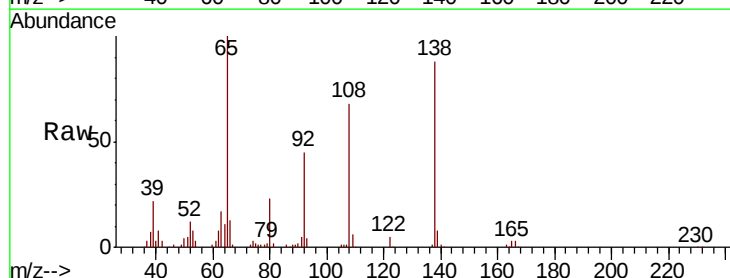


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

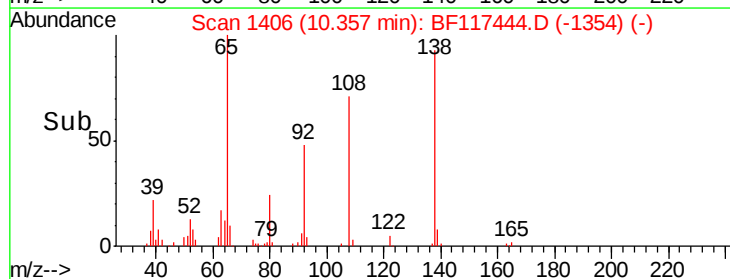
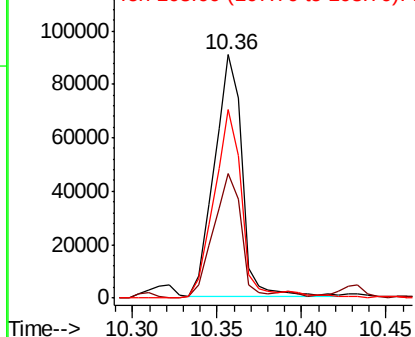


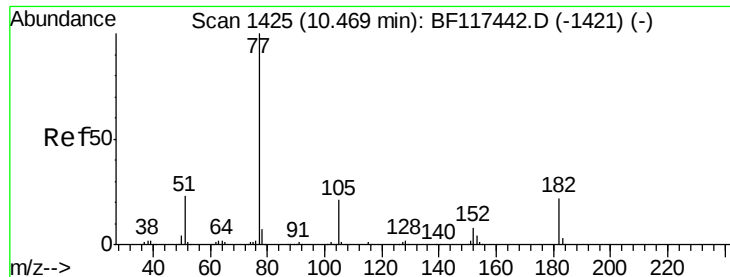
#62  
4-Nitroaniline  
Concen: 57.591 ng  
RT: 10.36 min Scan# 1406  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:138 Resp: 104722  
Ion Ratio Lower Upper  
138 100  
92 51.4 30.3 70.3  
108 77.7 54.9 94.9



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





#63

Azobenzene

Concen: 58.281 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 449241

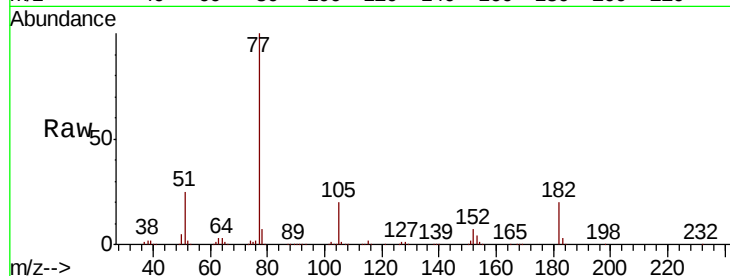
Ion Ratio Lower Upper

77 100

182 19.7 2.3 42.3

105 20.3 1.3 41.3

51 24.5 3.5 43.5

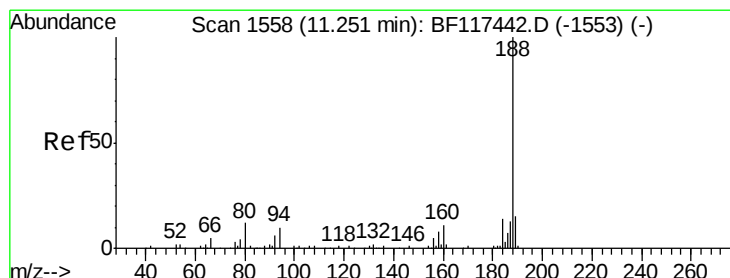
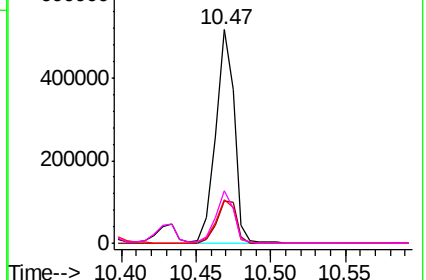
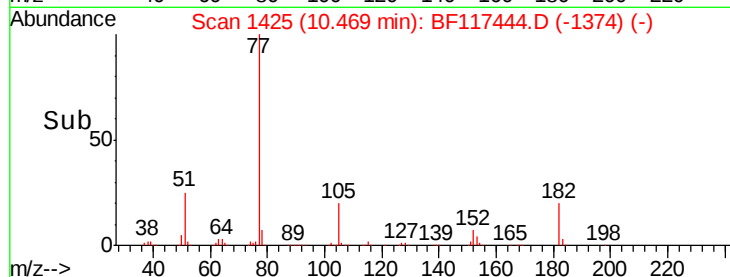


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

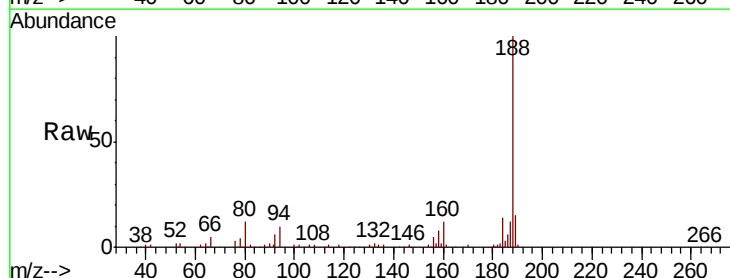
Tgt Ion: 188 Resp: 164920

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

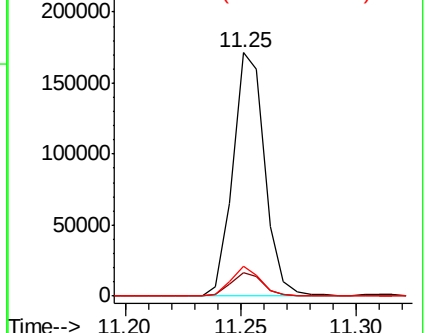
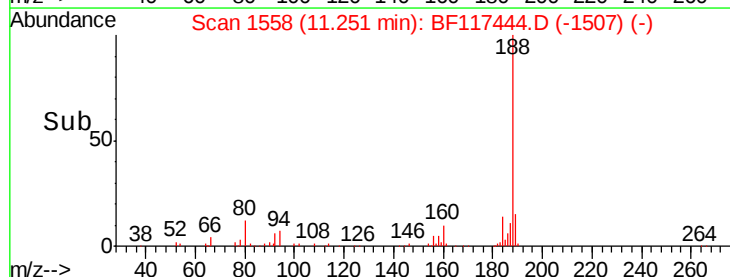
80 12.1 9.5 14.3

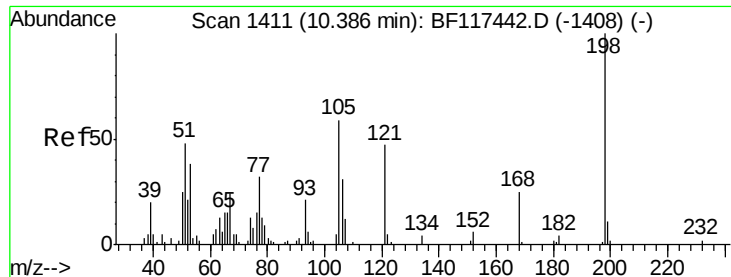


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

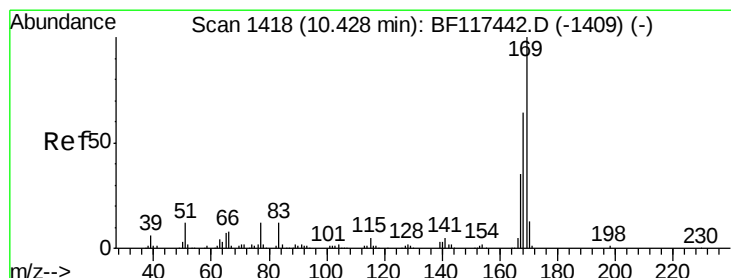
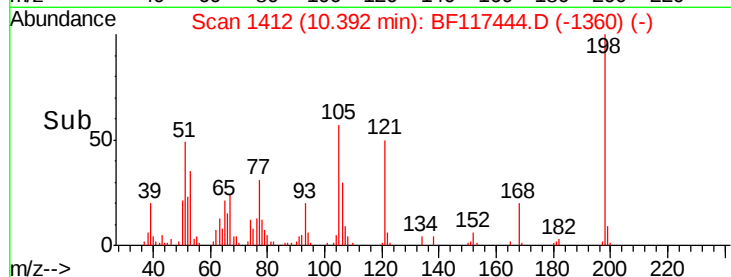
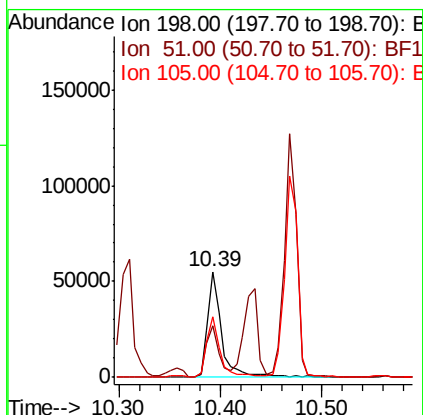
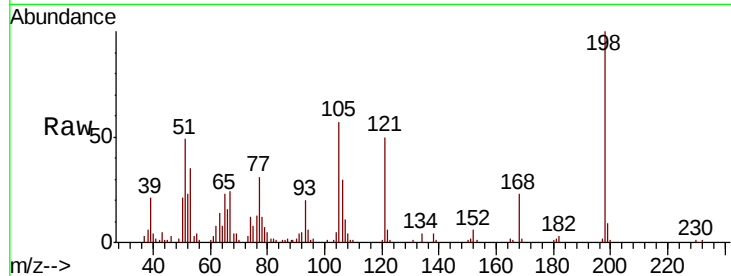




#65  
4,6-Dinitro-2-methylphenol  
Concen: 63.737 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

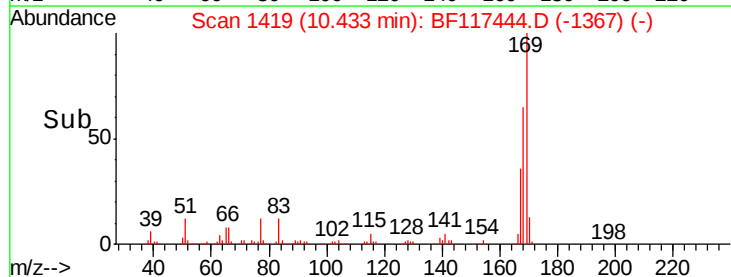
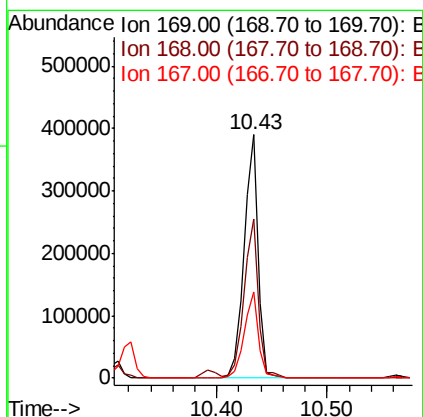
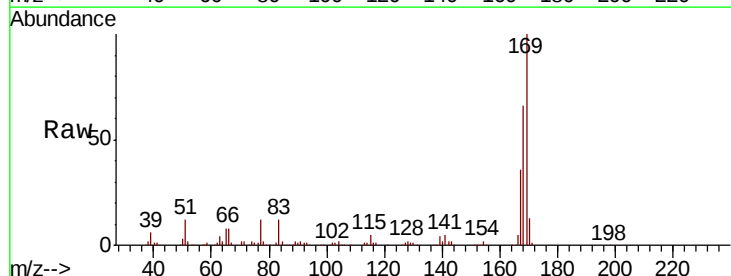
Instrument :  
BNA\_F  
ClientSampled :

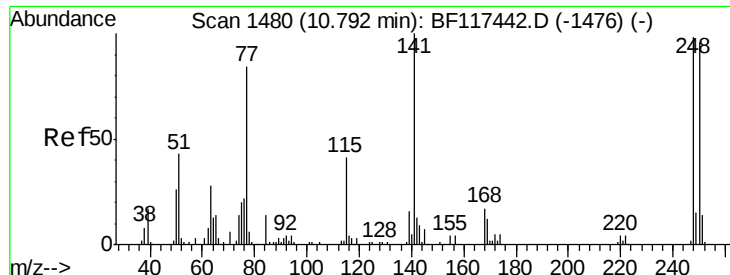
Tot Ion:198 Resp: 52803  
Ion Ratio Lower Upper  
198 100  
51 48.9 29.1 69.1  
105 57.2 39.4 79.4



#66  
n-Nitrosodiphenylamine  
Concen: 56.705 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:169 Resp: 349354  
Ion Ratio Lower Upper  
169 100  
168 65.6 51.3 76.9  
167 35.6 28.2 42.4

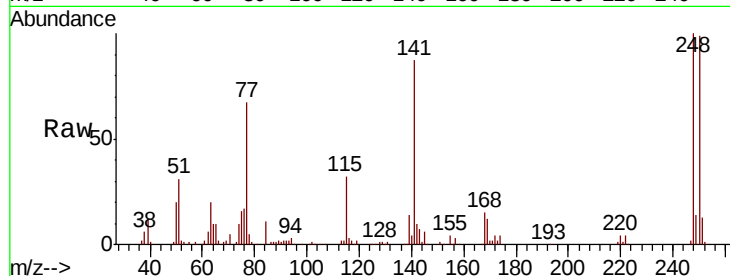




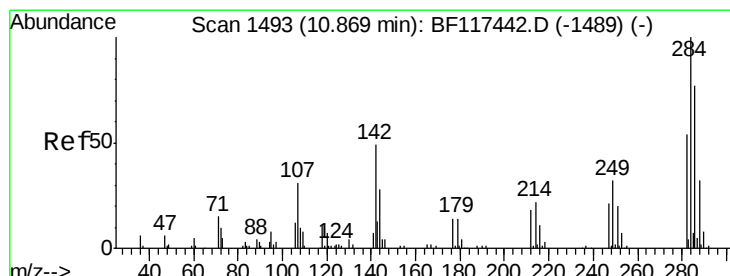
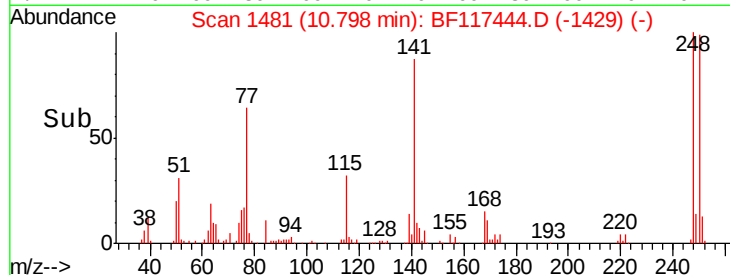
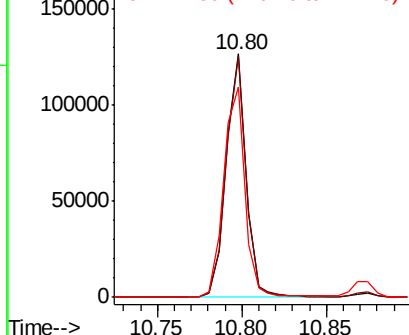
#67  
 4-Bromophenyl-phenylether  
 Concen: 57.614 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 104219  
 Ion Ratio Lower Upper  
 248 100  
 250 98.8 78.0 117.0  
 141 86.6 81.7 122.5

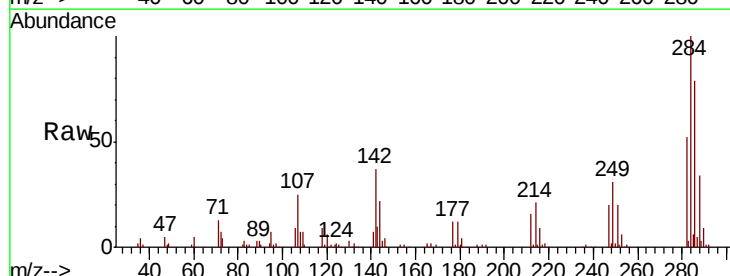


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

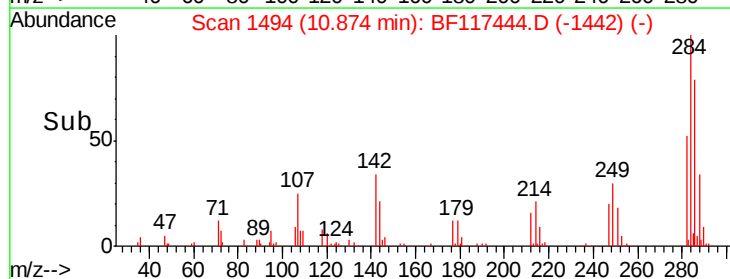
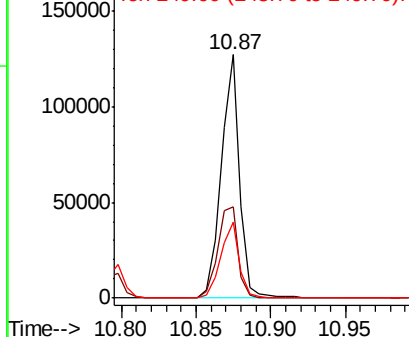


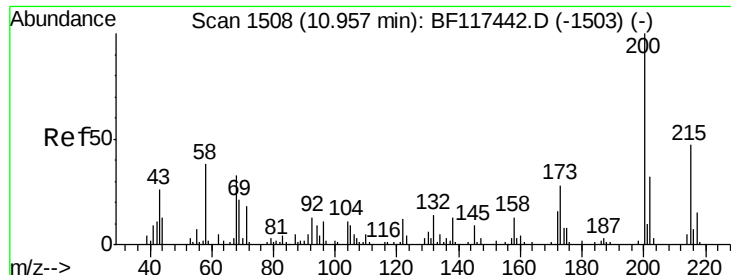
#68  
 Hexachlorobenzene  
 Concen: 56.594 ng  
 RT: 10.87 min Scan# 1494  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion:284 Resp: 109942  
 Ion Ratio Lower Upper  
 284 100  
 142 37.5 39.0 58.6#  
 249 31.1 25.7 38.5



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

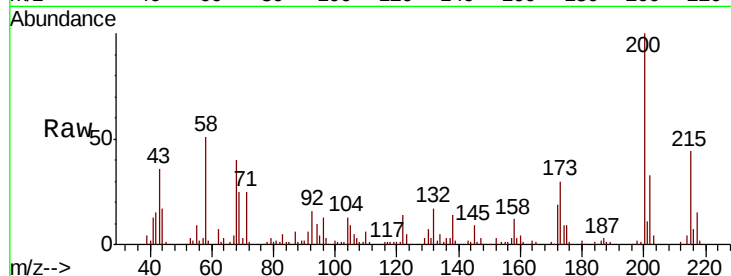




#69  
 Atrazine  
 Concen: 69.256 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.5  | 8.2   | 48.2  |
| 215     | 43.6  | 26.8  | 66.8  |

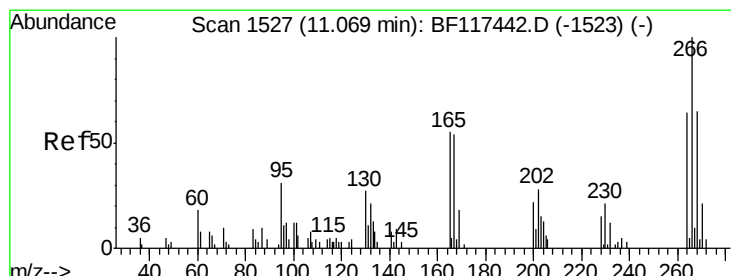
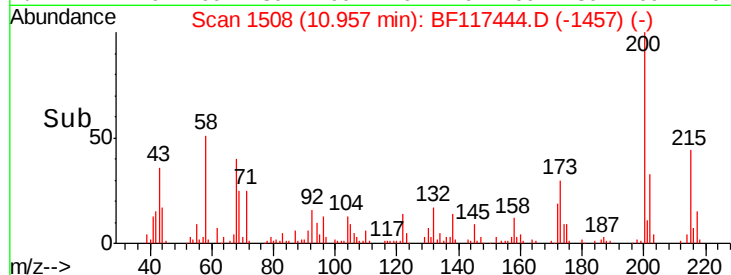
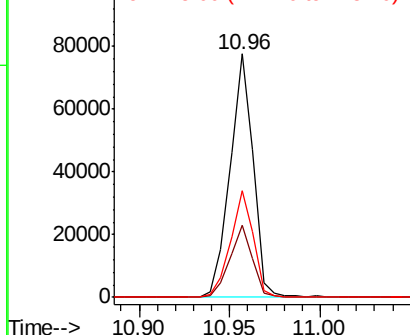


Abundance

Ion 200.00 (199.70 to 200.70): E

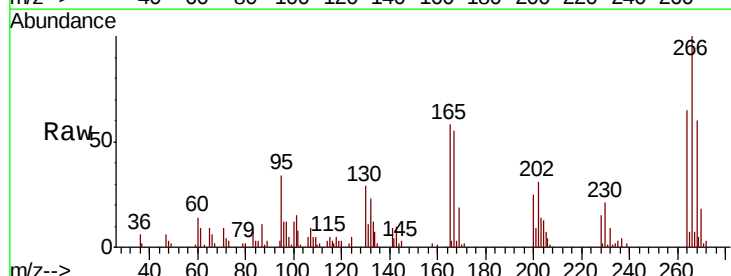
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
 Pentachlorophenol  
 Concen: 59.369 ng  
 RT: 11.07 min Scan# 1527  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 59.8  | 51.6  | 77.4  |
| 264     | 65.5  | 51.4  | 77.2  |

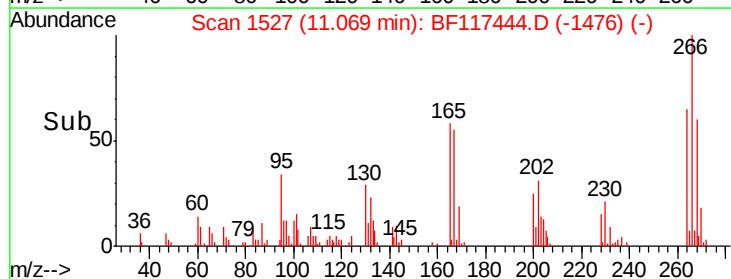
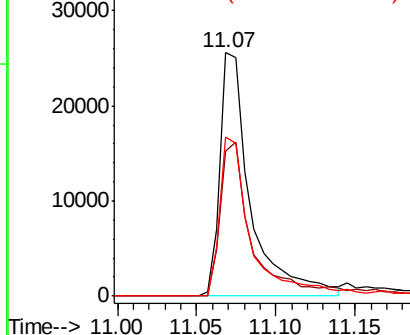


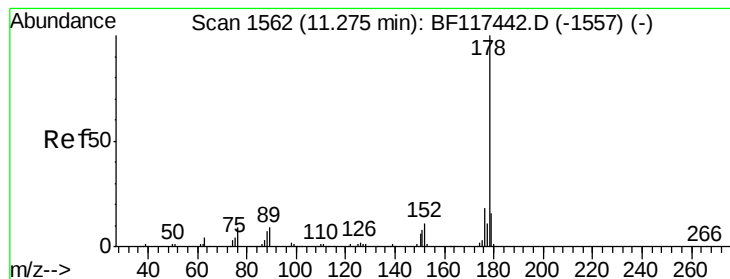
Abundance

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: 56.734 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

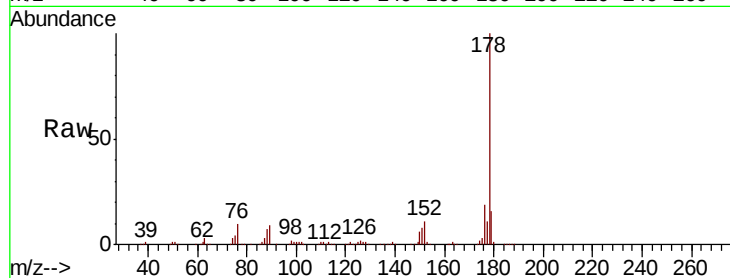
Tot Ion:178 Resp: 553104

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

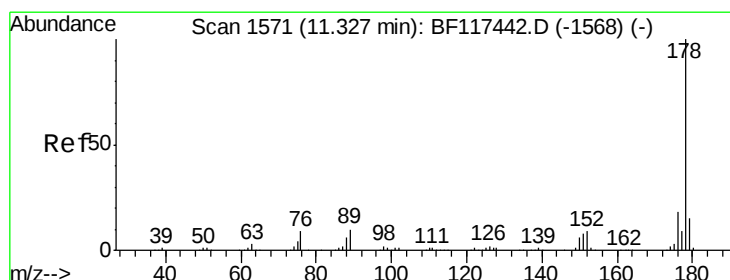
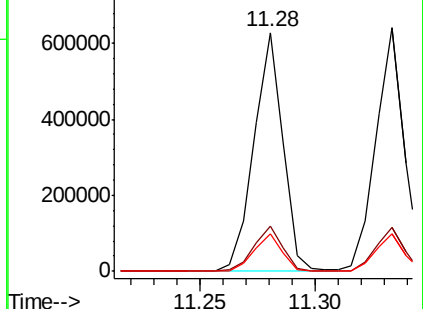
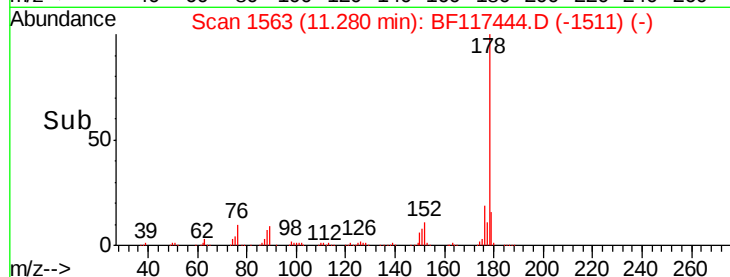
179 15.8 12.6 19.0



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: 55.714 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

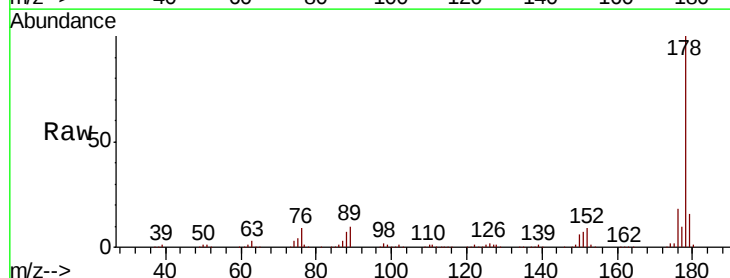
Tgt Ion:178 Resp: 560712

Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

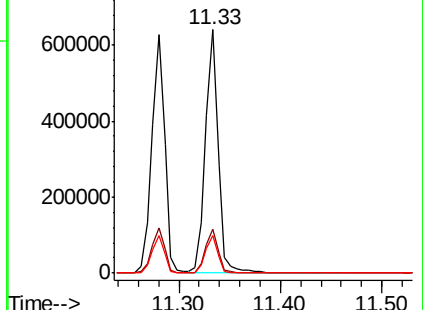
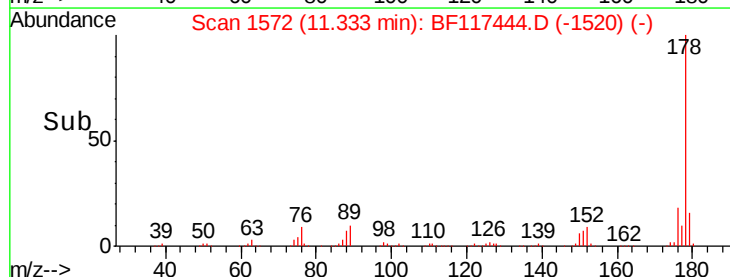
179 15.5 12.2 18.2

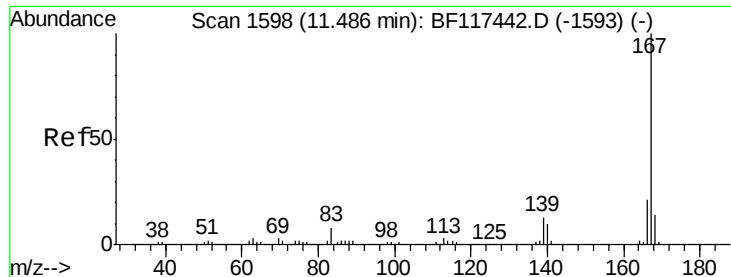


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

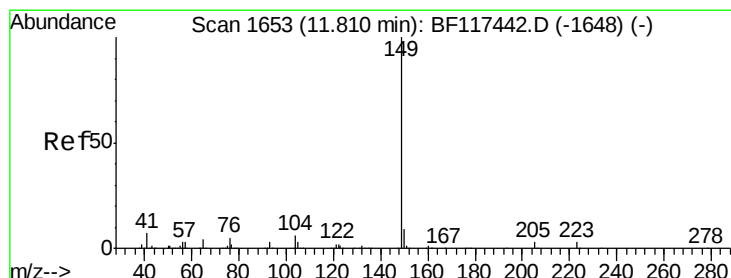
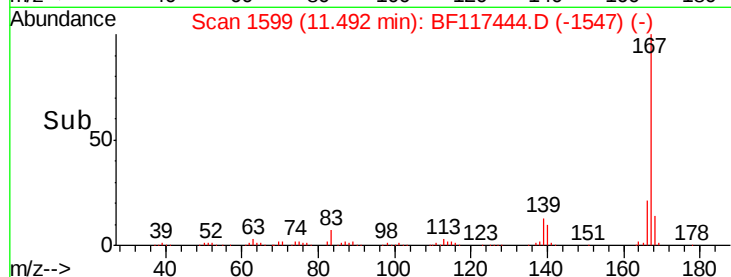
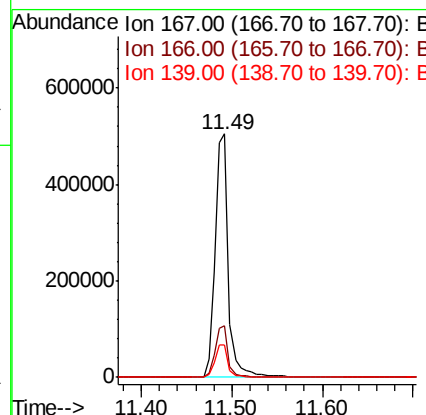
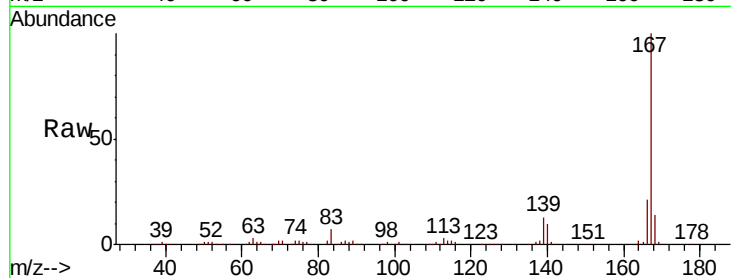




#73  
 Carbazole  
 Concen: 57.105 ng  
 RT: 11.49 min Scan# 1599  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

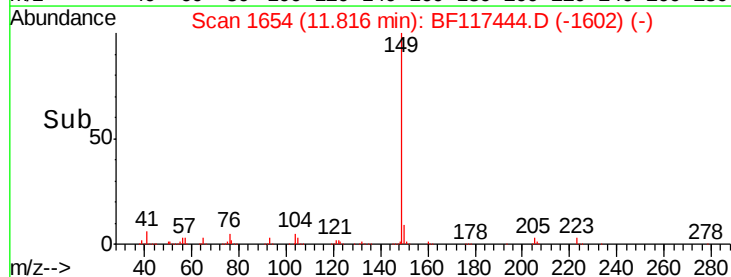
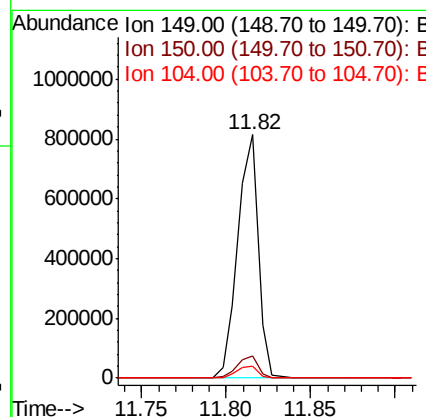
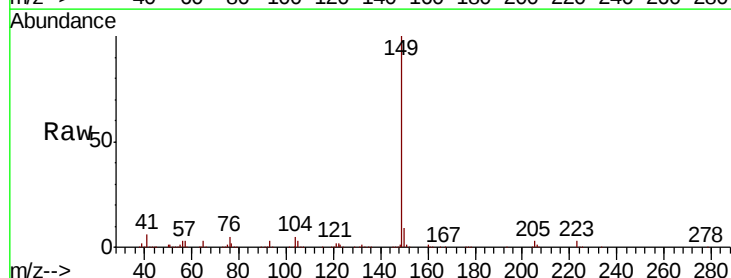
Instrument :  
 BNA\_F  
 ClientSampleId :

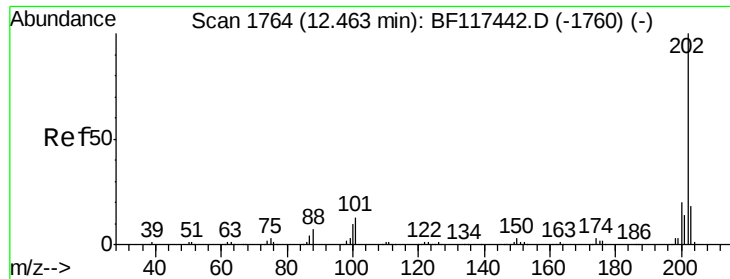
Tot Ion:167 Resp: 522046  
 Ion Ratio Lower Upper  
 167 100  
 166 20.9 17.0 25.6  
 139 13.1 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 55.491 ng  
 RT: 11.82 min Scan# 1654  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion:149 Resp: 686932  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.5 11.3  
 104 4.9 4.6 6.8





#75

Fluoranthene

Concen: 56.900 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

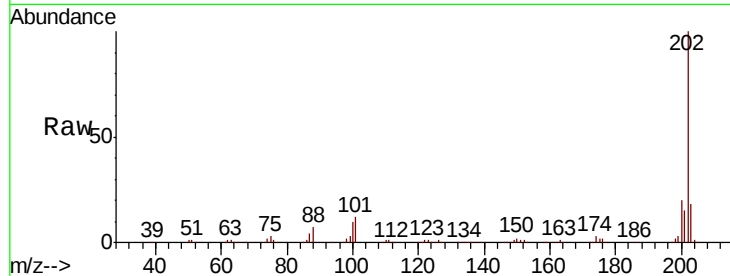
Tot Ion:202 Resp: 551597

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

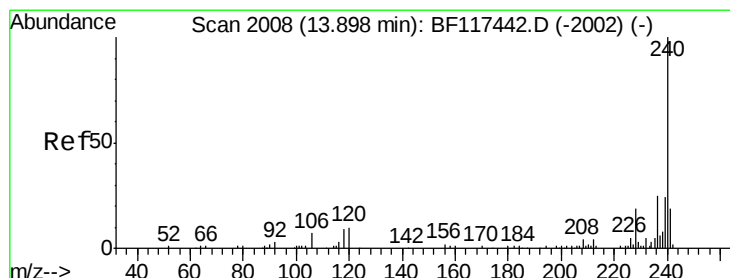
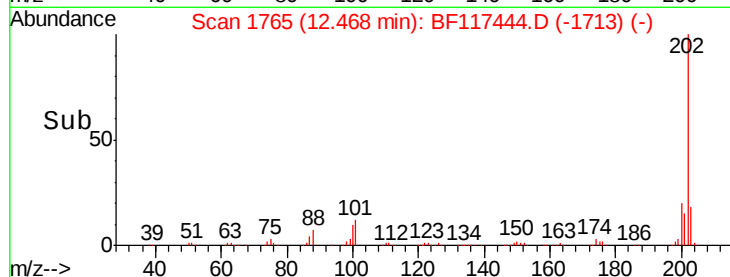
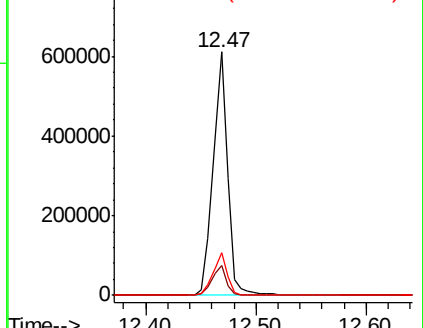
203 17.6 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

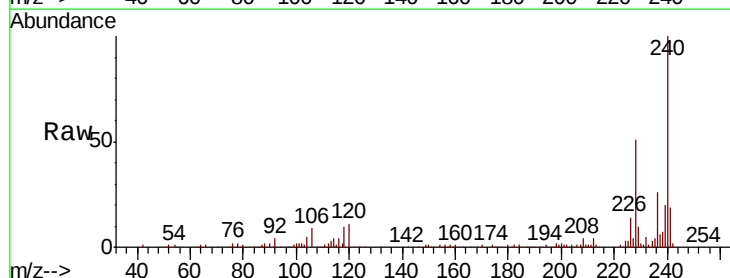
Tgt Ion:240 Resp: 111122

Ion Ratio Lower Upper

240 100

120 11.1 8.4 12.6

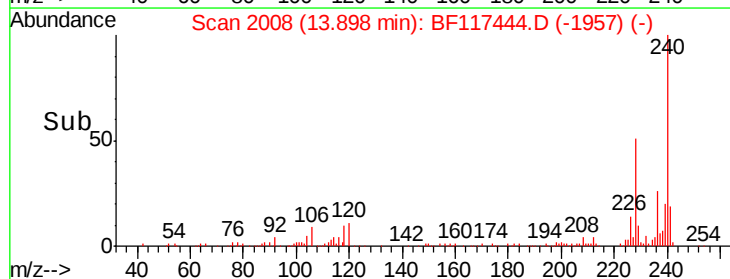
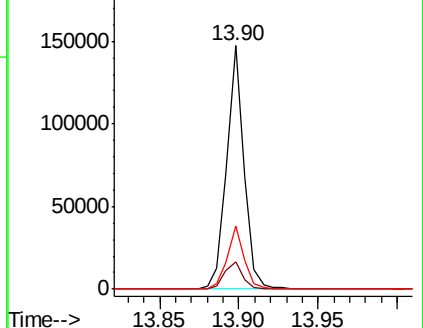
236 25.9 20.0 30.0

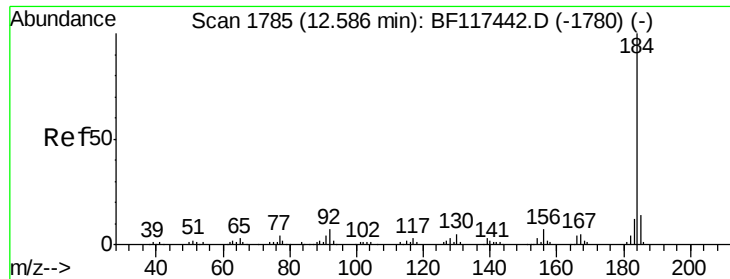


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 60.904 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

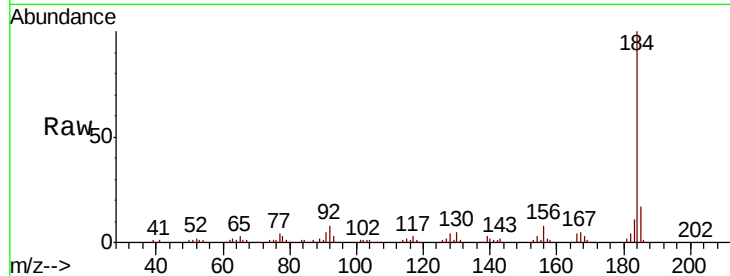
Tot Ion:184 Resp: 167383

Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.0

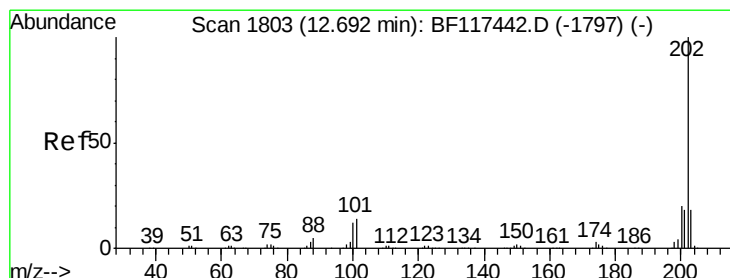
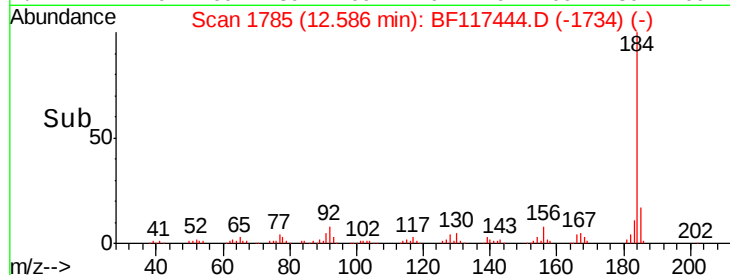
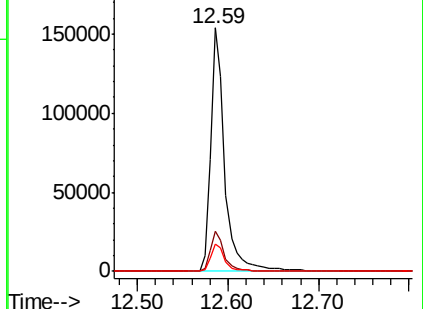
183 11.5 9.6 14.4



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: 56.521 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

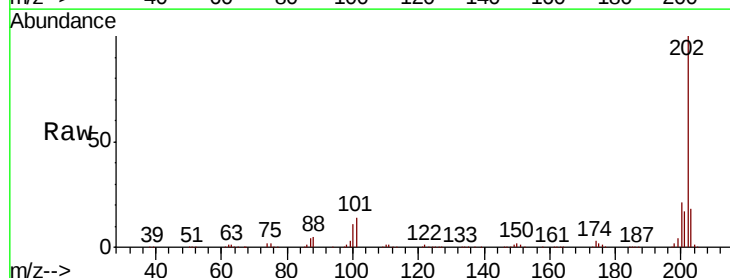
Tgt Ion:202 Resp: 555181

Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.2

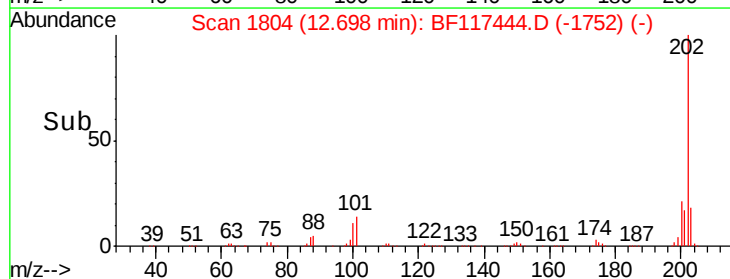
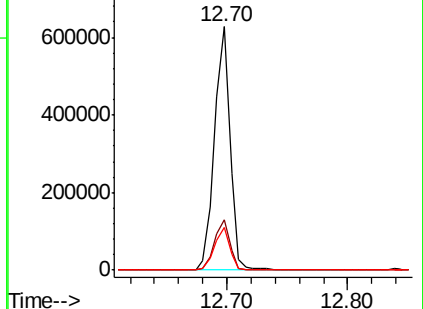
203 17.6 14.0 21.0

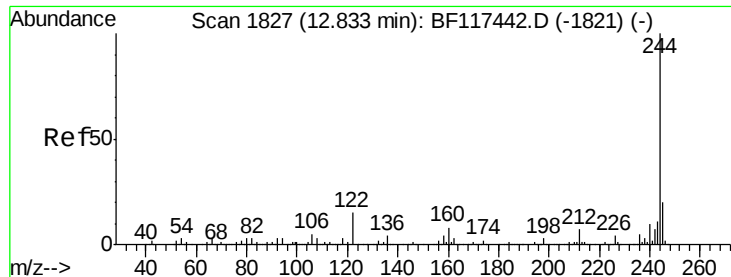


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

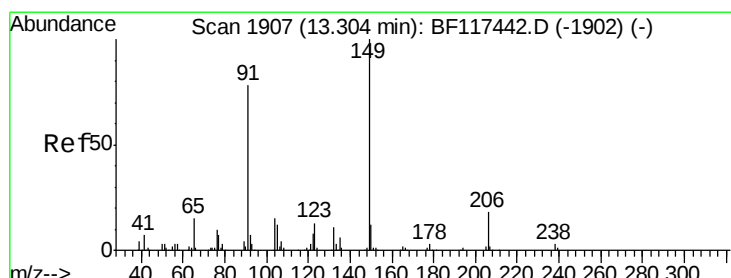
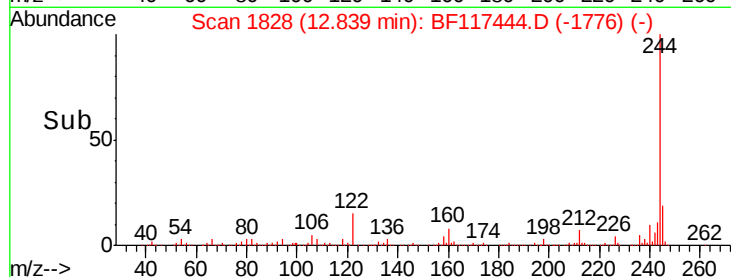
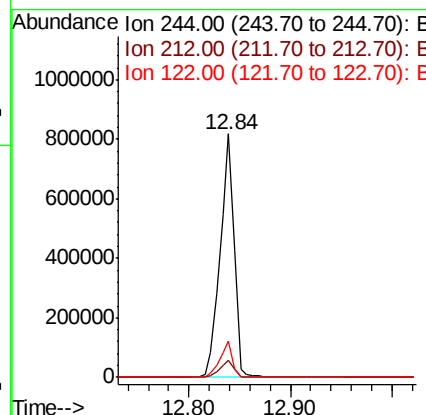
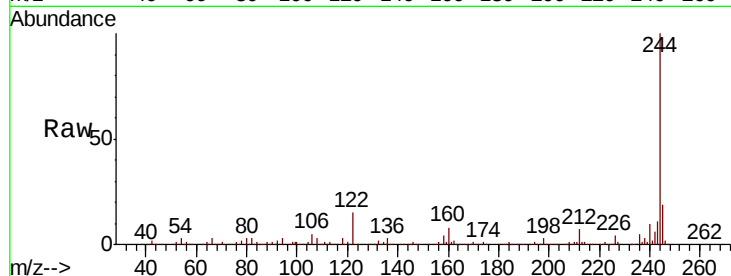




#79  
 Terphenyl-d14  
 Concen: 115.772 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

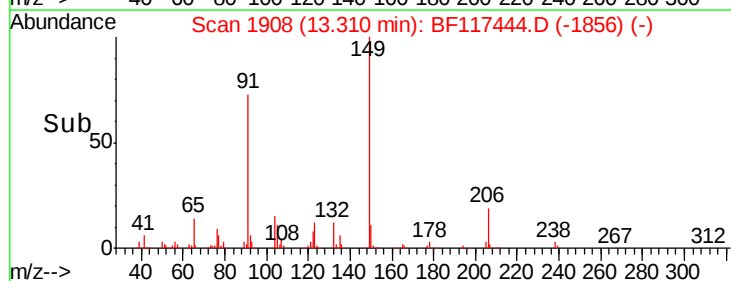
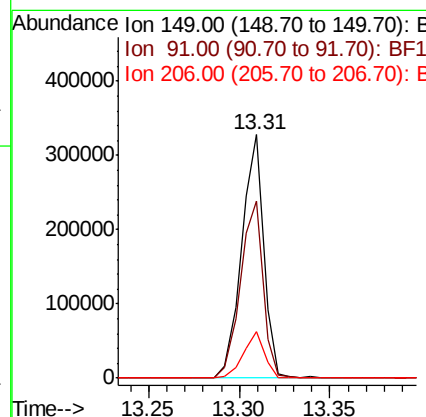
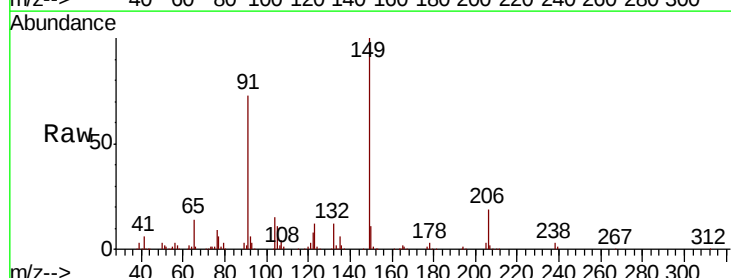
Instrument :  
 BNA\_F  
 ClientSampleId :

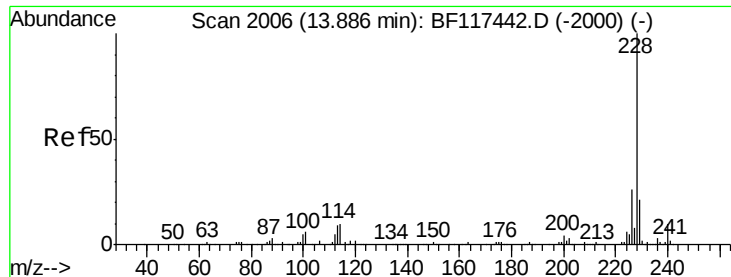
Tot Ion:244 Resp: 789176  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.6  
 122 14.7 11.8 17.8



#80  
 Butylbenzylphthalate  
 Concen: 56.558 ng  
 RT: 13.31 min Scan# 1908  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion:149 Resp: 279354  
 Ion Ratio Lower Upper  
 149 100  
 91 72.8 62.1 93.1  
 206 18.9 14.3 21.5

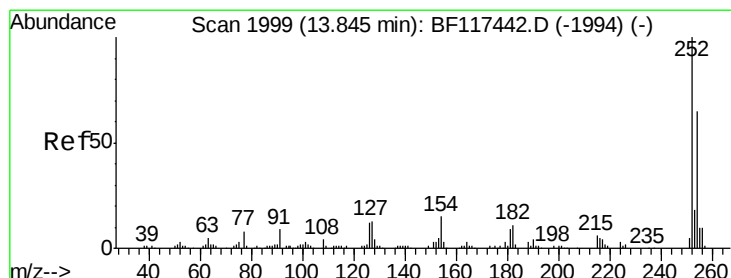
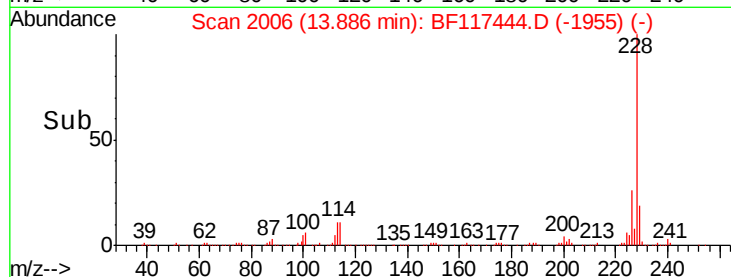
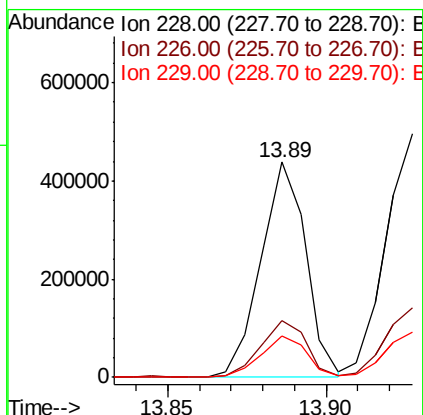
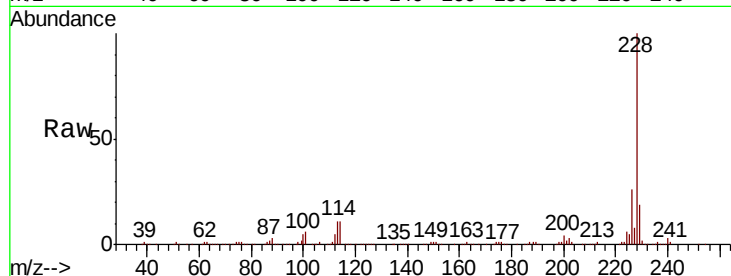




#81  
Benzo(a)anthracene  
Concen: 56.734 ng  
RT: 13.89 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

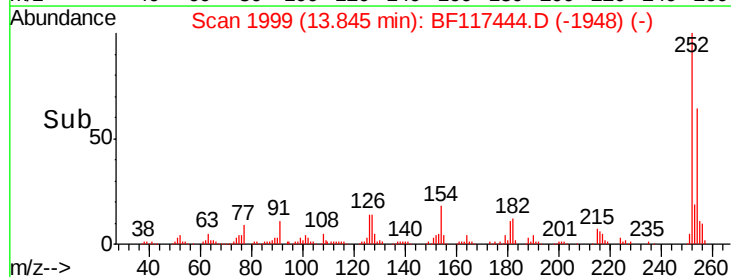
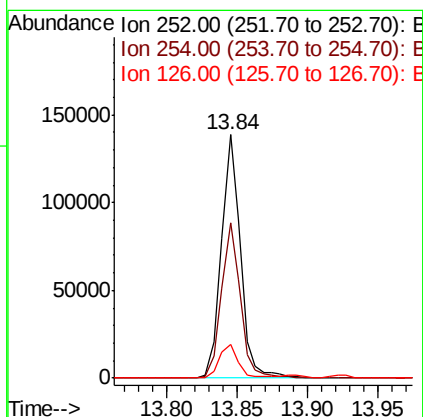
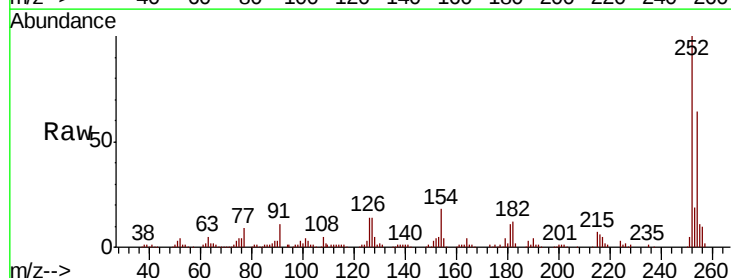
Instrument :  
BNA\_F  
ClientSampleId :

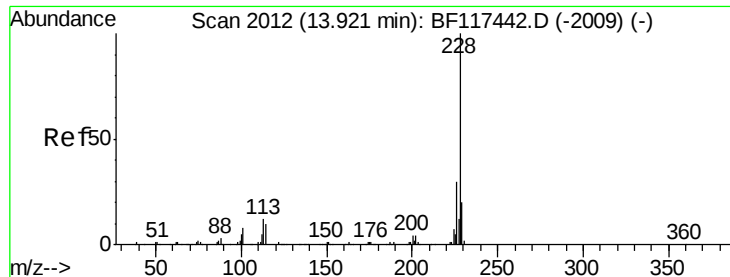
Tot Ion:228 Resp: 432567  
Ion Ratio Lower Upper  
228 100  
226 26.3 21.0 31.4  
229 19.4 16.4 24.6



#82  
3,3'-Dichlorobenzidine  
Concen: 54.561 ng  
RT: 13.84 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:252 Resp: 131528  
Ion Ratio Lower Upper  
252 100  
254 63.9 52.2 78.4  
126 13.8 9.2 13.8#

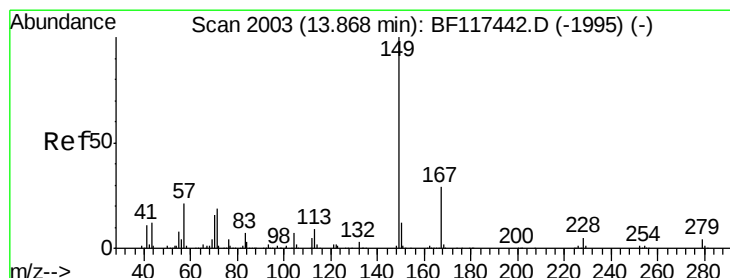
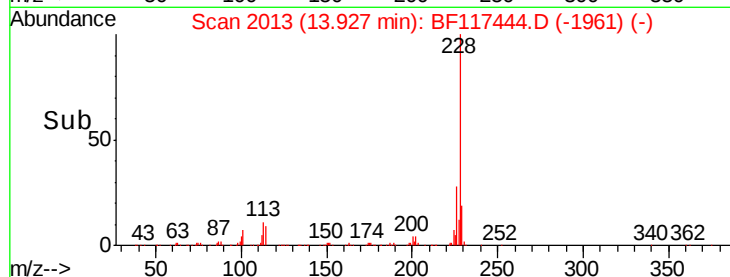
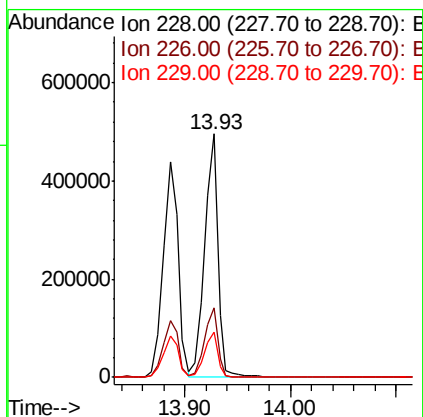
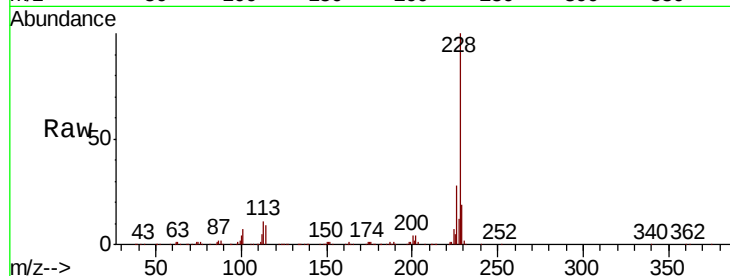




#83  
 Chrvsene  
 Concen: 57.177 ng  
 RT: 13.93 min Scan# 2013  
 Delta R.T. 0.01 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

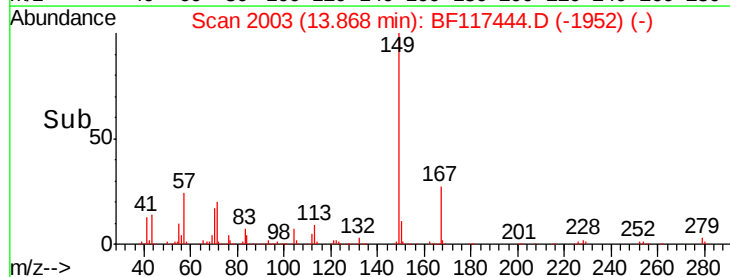
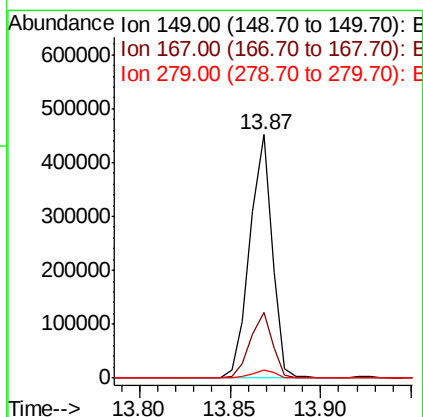
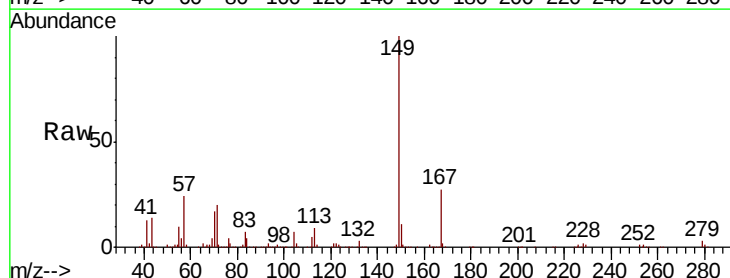
Instrument :  
 BNA\_F  
 ClientSampleId :

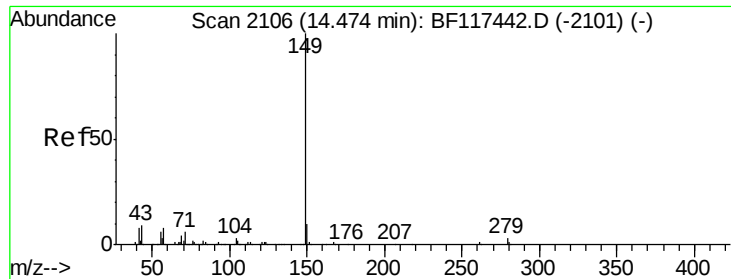
Tot Ion:228 Resp: 429915  
 Ion Ratio Lower Upper  
 228 100  
 226 28.5 23.9 35.9  
 229 18.7 15.8 23.6



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 55.864 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: BF117444.D  
 Acq: 18 Oct 2019 17:00

Tgt Ion:149 Resp: 389046  
 Ion Ratio Lower Upper  
 149 100  
 167 27.1 23.3 34.9  
 279 3.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 56.689 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

Instrument :

BNA\_F

ClientSampleId :

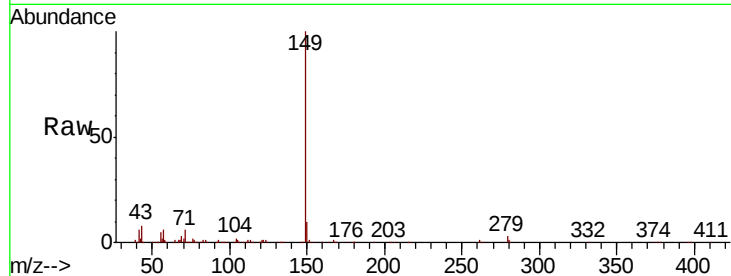
Tot Ion:149 Resp: 601049

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

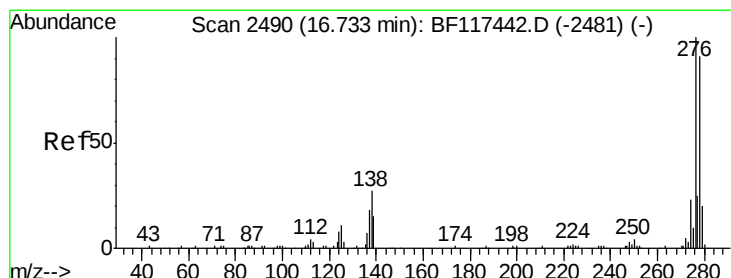
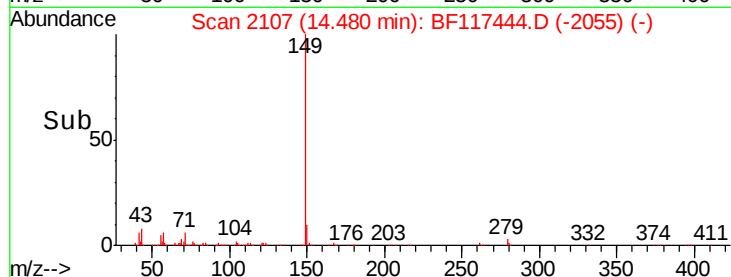
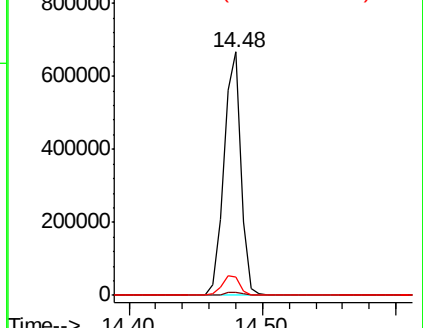
43 8.4 6.8 10.2



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: 60.174 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BF117444.D

Acq: 18 Oct 2019 17:00

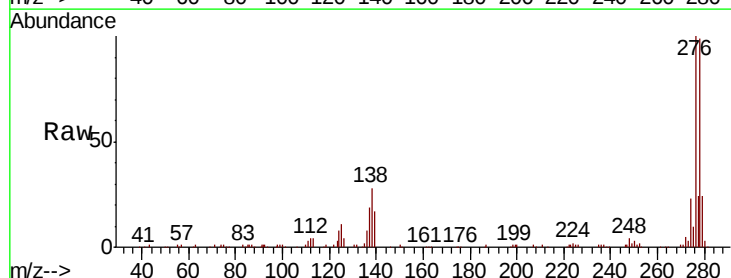
Tgt Ion:276 Resp: 316364

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.8

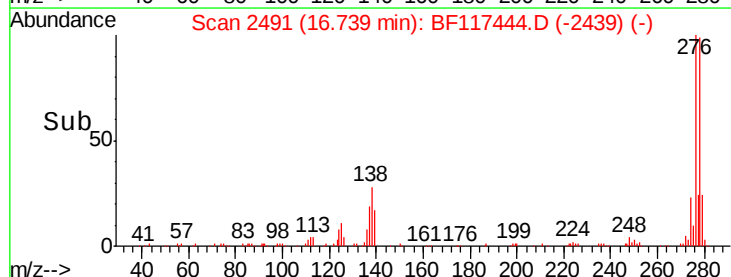
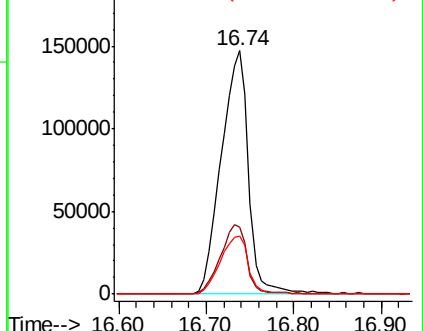
277 25.0 20.0 30.0

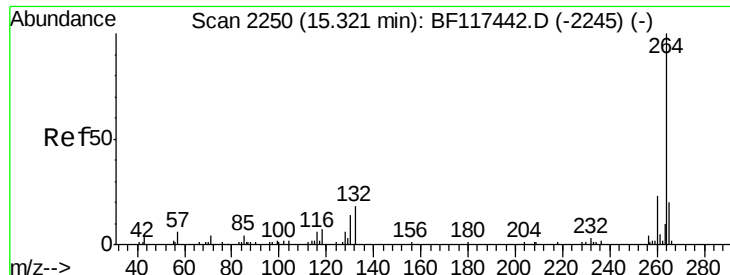


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

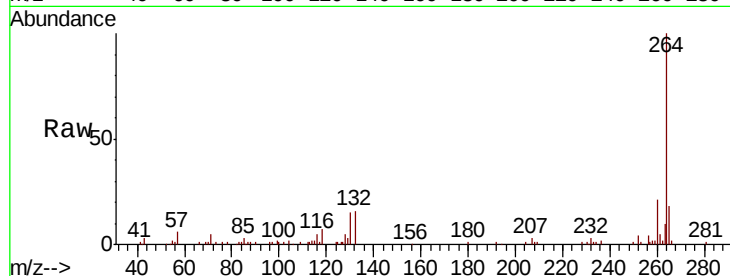




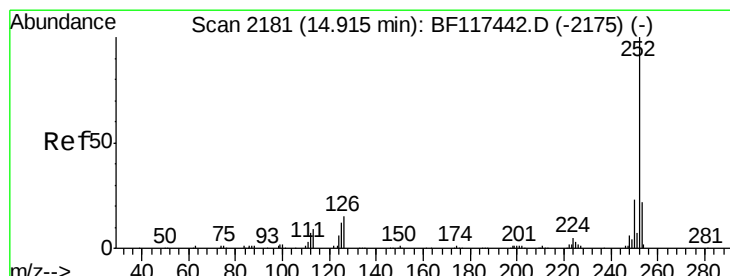
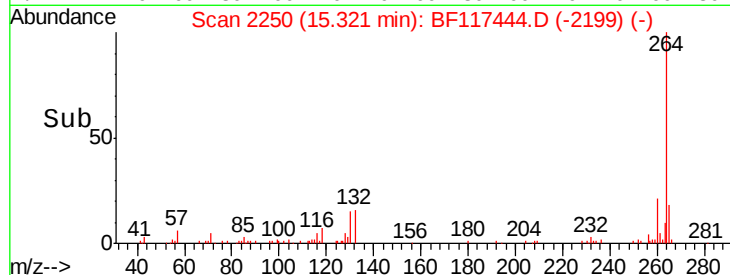
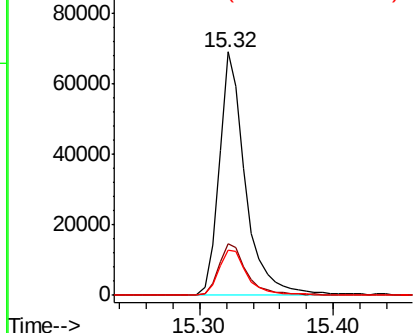
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.32 min Scan# 2250  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 95304  
Ion Ratio Lower Upper  
264 100  
260 21.2 18.4 27.6  
265 18.4 16.1 24.1

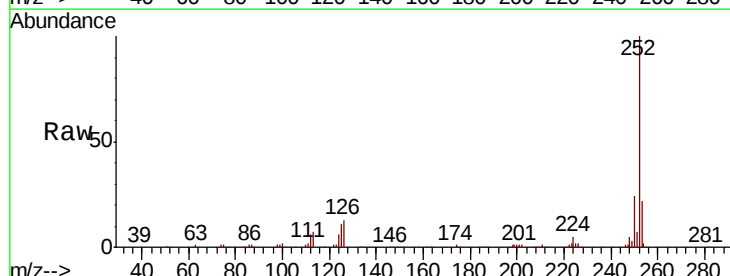


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

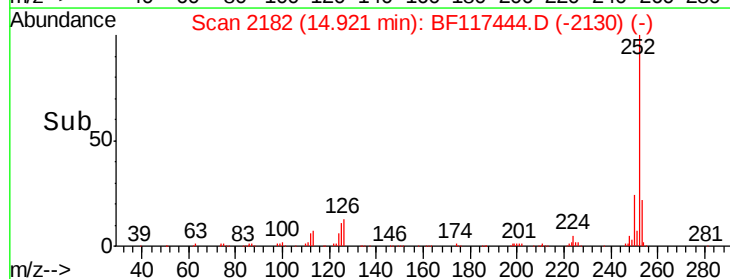
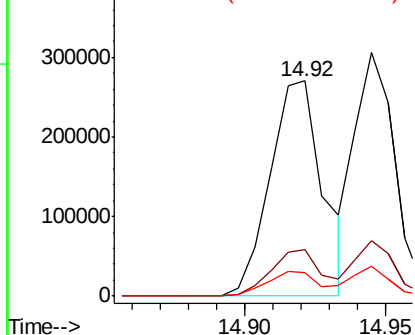


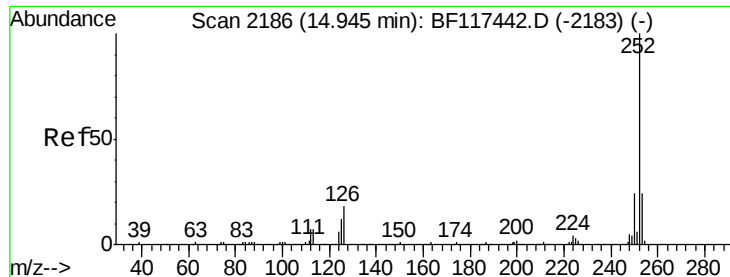
#88  
Benzo(b)fluoranthene  
Concen: 59.289 ng  
RT: 14.92 min Scan# 2182  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:252 Resp: 351766  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.6  
125 10.6 9.9 14.9



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

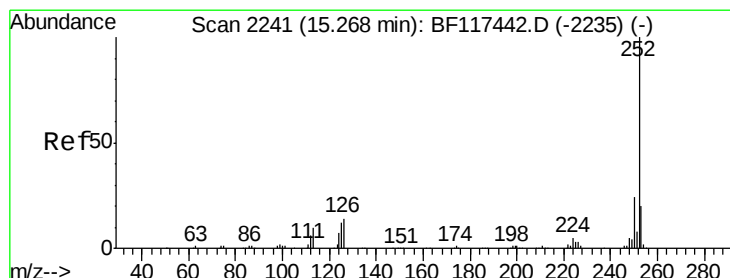
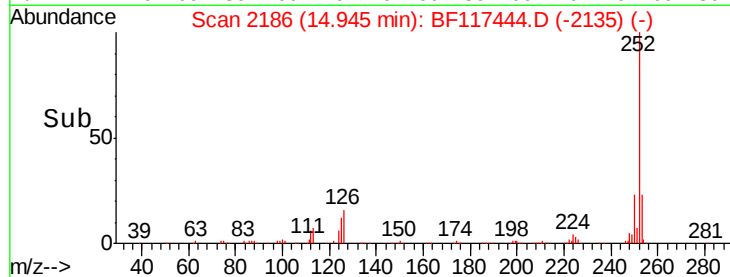
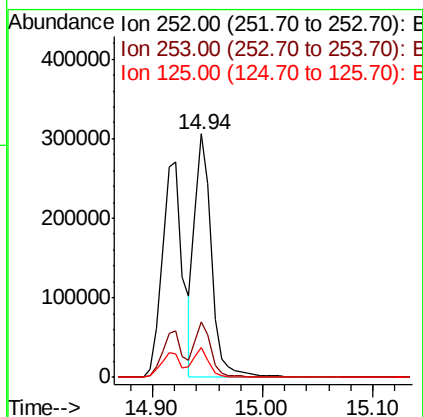
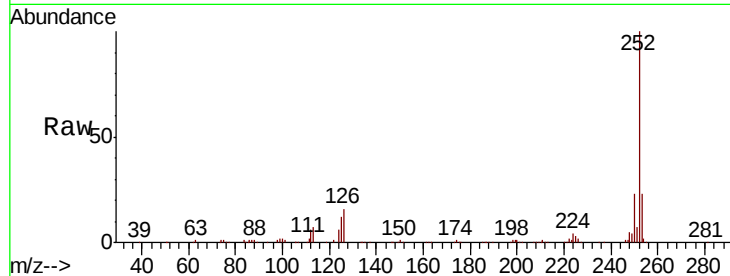




#89  
Benzo(k)fluoranthene  
Concen: 53.979 ng  
RT: 14.94 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

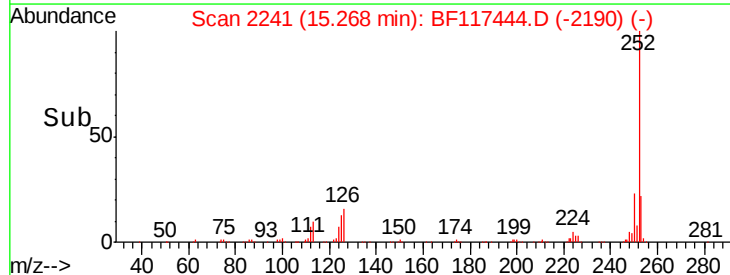
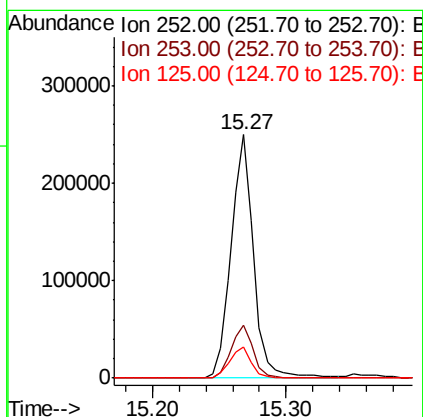
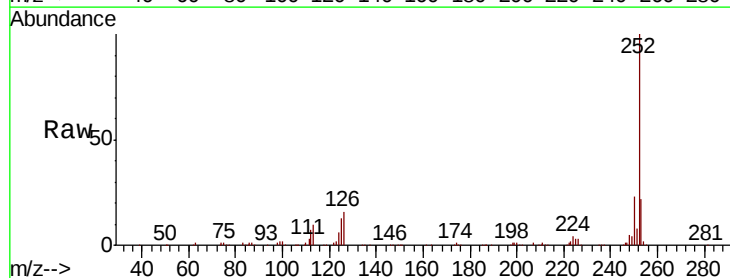
Instrument :  
BNA\_F  
ClientSampleId :

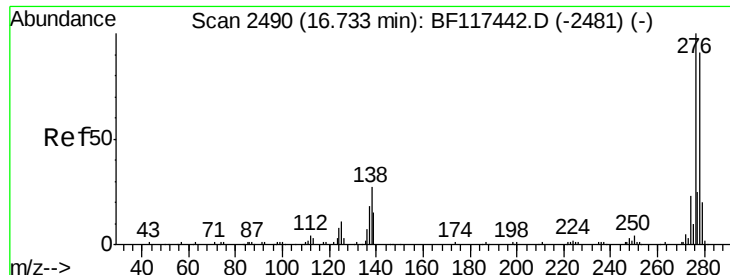
Tot Ion:252 Resp: 318277  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.0 27.0  
125 12.3 8.9 13.3



#90  
Benzo(a)pyrene  
Concen: 56.371 ng  
RT: 15.27 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Tgt Ion:252 Resp: 296166  
Ion Ratio Lower Upper  
252 100  
253 21.7 16.3 24.5  
125 12.8 9.2 13.8

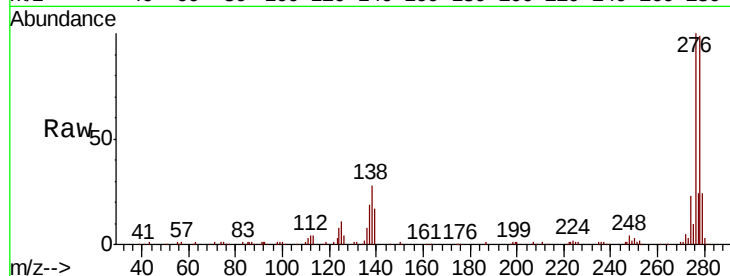




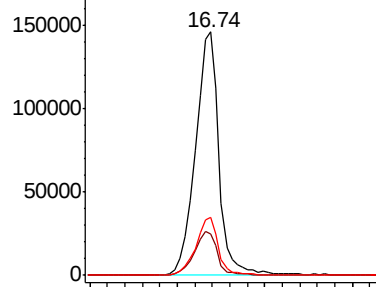
#91  
Dibenzo(a,h)anthracene  
Concen: 59.927 ng  
RT: 16.74 min Scan# 2491  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

Instrument :  
BNA\_F  
ClientSampleId :

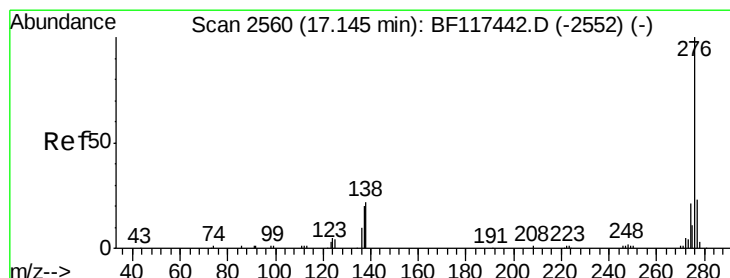
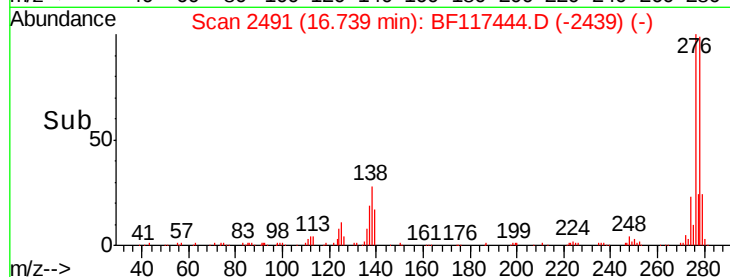
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.9  | 13.4  | 20.0  |
| 279     | 23.8  | 17.8  | 26.6  |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E

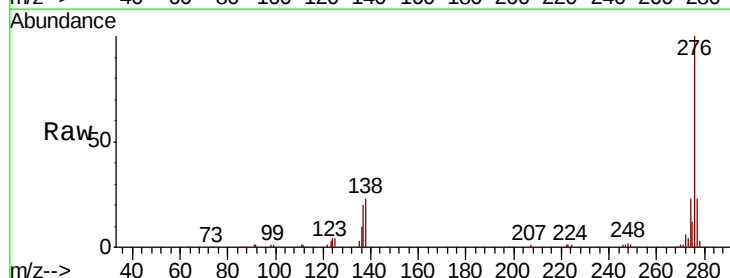


Time--> 16.60 16.70 16.80 16.90

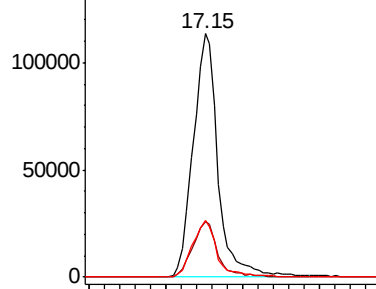


#92  
Benzo(g,h,i)perylene  
Concen: 59.168 ng  
RT: 17.15 min Scan# 2561  
Delta R.T. 0.01 min  
Lab File: BF117444.D  
Acq: 18 Oct 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.0  | 18.4  | 27.6  |
| 138     | 23.4  | 17.8  | 26.6  |



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



Time--> 17.00 17.10 17.20 17.30

