

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\  
 Data File : BF112529.D  
 Acq On : 13 Feb 2019 10:38  
 Operator : JU/SJ  
 Sample : PB117061BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

Quant Time: Feb 13 11:11:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 114999   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 455632   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 227848   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 447516   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.02 | 240  | 344398   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.50 | 264  | 269550   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 899880  | 166.21 | ng | 0.00 |
| 7) Phenol-d6             | 6.50  | 99  | 1109978 | 147.54 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 609353  | 77.06  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 374110  | 141.06 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 1278043 | 79.33  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.95 | 244 | 1540751 | 84.26  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88  | 104455 | 48.432 | ng | 94     |
| 3) Pyridine                    | 3.46 | 79  | 265775 | 48.444 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.40 | 42  | 127834 | 55.460 | ng | 90     |
| 6) Aniline                     | 6.50 | 93  | 271895 | 30.382 | ng | # 38   |
| 8) 2-Chlorophenol              | 6.63 | 128 | 315879 | 43.370 | ng | 98     |
| 9) Benzaldehyde                | 6.39 | 77  | 133102 | 33.849 | ng | 99     |
| 10) Phenol                     | 6.50 | 94  | 355798 | 43.107 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 271000 | 41.705 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.78 | 146 | 344832 | 40.654 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 353505 | 40.495 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.01 | 146 | 329190 | 40.277 | ng | 97     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 260615 | 41.095 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45  | 328986 | 39.431 | ng | # 18   |
| 17) 2-Methylphenol             | 7.11 | 107 | 241899 | 41.897 | ng | # 87   |
| 18) Hexachloroethane           | 7.35 | 117 | 125583 | 40.967 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 211348 | 40.741 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 319102 | 43.220 | ng | # 63   |
| 22) Acetophenone               | 7.25 | 105 | 429750 | 38.735 | ng | 94     |
| 24) Nitrobenzene               | 7.42 | 77  | 316826 | 40.118 | ng | 99     |
| 25) Isophorone                 | 7.66 | 82  | 565935 | 45.620 | ng | 98     |
| 26) 2-Nitrophenol              | 7.74 | 139 | 173141 | 41.024 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.78 | 122 | 273044 | 46.957 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 352459 | 41.727 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 273736 | 42.067 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 294005 | 39.307 | ng | 99     |
| 31) Naphthalene                | 8.15 | 128 | 920352 | 43.194 | ng | 98     |
| 32) Benzoic acid               | 7.93 | 122 | 141085 | 42.535 | ng | 99     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 209508 | 22.582 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.26 | 225 | 169782 | 38.681 | ng | 97     |
| 35) Caprolactam                | 8.57 | 113 | 51687  | 22.516 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 276282 | 40.107 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 646479 | 44.320 | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.93 | 142 | 613508 | 43.882 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 291836 | 39.010 | ng | 99     |

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 Sample : PB117061BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

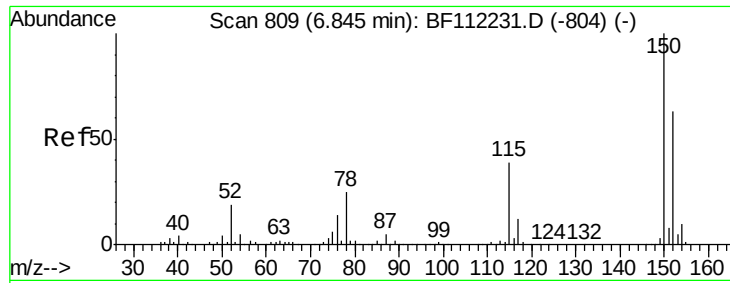
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

Quant Time: Feb 13 11:11:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.99  | 237  | 167932   | 61.697 | nq    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 182061   | 39.481 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.17  | 196  | 187333   | 38.870 | nq    | 95       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 793903   | 39.856 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 607052   | 39.300 | nq    | 97       |
| 48) 2-Nitroaniline             | 9.43  | 65   | 167929   | 39.887 | nq    | 93       |
| 49) Acenaphthylene             | 9.74  | 152  | 968267   | 42.767 | nq    | 99       |
| 50) Dimethylphthalate          | 9.59  | 163  | 713014   | 40.277 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.67  | 165  | 160804   | 40.559 | nq #  | 89       |
| 52) Acenaphthene               | 9.91  | 154  | 554111   | 40.970 | nq    | 99       |
| 53) 3-Nitroaniline             | 9.84  | 138  | 109067   | 25.392 | nq    | 91       |
| 54) 2,4-Dinitrophenol          | 9.97  | 184  | 106237   | 83.494 | nq    | 93       |
| 55) Dibenzofuran               | 10.09 | 168  | 828777   | 40.099 | nq    | 93       |
| 56) 4-Nitrophenol              | 10.03 | 139  | 131528   | 57.920 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.08 | 165  | 207987   | 41.207 | nq #  | 71       |
| 58) Fluorene                   | 10.43 | 166  | 684398   | 44.251 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 150071   | 41.204 | nq    | 95       |
| 60) Diethylphthalate           | 10.30 | 149  | 727210   | 41.394 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 328015   | 38.988 | nq    | 94       |
| 62) 4-Nitroaniline             | 10.46 | 138  | 166656   | 39.557 | nq    | 94       |
| 63) Azobenzene                 | 10.57 | 77   | 635080   | 41.104 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 85485    | 34.071 | nq    | 95       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 596107   | 39.523 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.90 | 248  | 202909   | 38.551 | nq    | 95       |
| 68) Hexachlorobenzene          | 10.99 | 284  | 219812   | 38.925 | nq    | 97       |
| 69) Atrazine                   | 11.06 | 200  | 198753   | 40.840 | nq    | 95       |
| 70) Pentachlorophenol          | 11.19 | 266  | 137315   | 62.493 | nq    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 988190   | 42.474 | nq    | 98       |
| 72) Anthracene                 | 11.44 | 178  | 1015153  | 43.803 | nq    | 99       |
| 73) Carbazole                  | 11.60 | 167  | 892571   | 39.044 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 1159655  | 40.868 | nq    | 99       |
| 75) Fluoranthene               | 12.59 | 202  | 1032288  | 41.368 | nq    | 98       |
| 77) Benzdine                   | 12.70 | 184  | 364727   | 38.477 | nq    | 96       |
| 78) Pyrene                     | 12.82 | 202  | 1036816  | 43.483 | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 482225   | 41.801 | nq    | 94       |
| 81) Benzo(a)anthracene         | 14.01 | 228  | 871876   | 43.065 | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 208745   | 27.551 | nq    | 99       |
| 83) Chrysene                   | 14.04 | 228  | 806795   | 41.748 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 658090   | 40.188 | nq    | 97       |
| 85) Di-n-octyl phthalate       | 14.58 | 149  | 1036351  | 41.134 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 613066   | 40.035 | nq    | 96       |
| 88) Benzo(b)fluoranthene       | 15.06 | 252  | 757512   | 46.991 | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 665083   | 43.073 | nq    | 97       |
| 90) Benzo(a)pyrene             | 15.44 | 252  | 657068   | 45.300 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.00 | 278  | 516215   | 44.158 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.45 | 276  | 477553   | 43.299 | nq    | 96       |

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



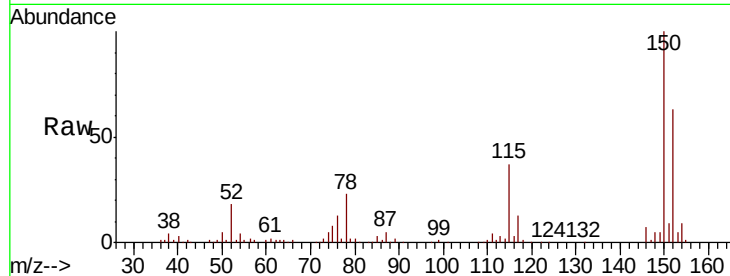


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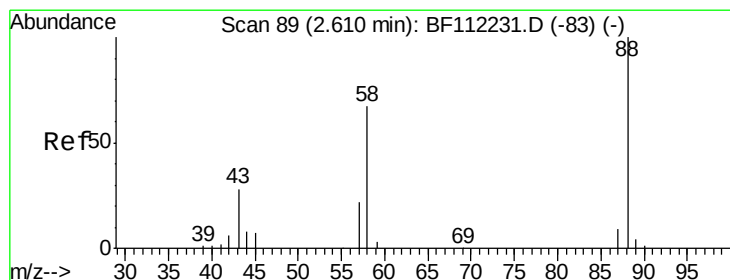
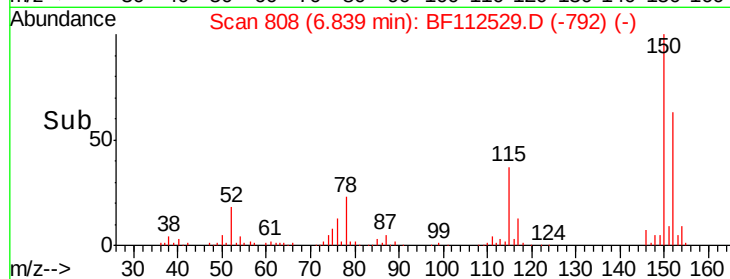
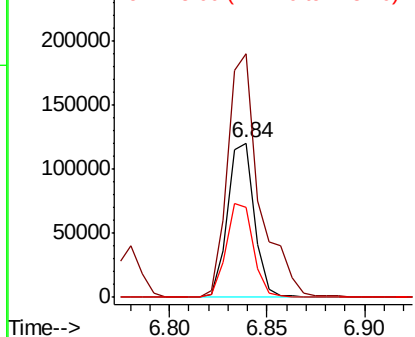
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
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PB117061BS

Tot Ion:152 Resp: 114999  
Ion Ratio Lower Upper  
152 100  
150 157.6 127.4 191.0  
115 58.5 45.5 68.3



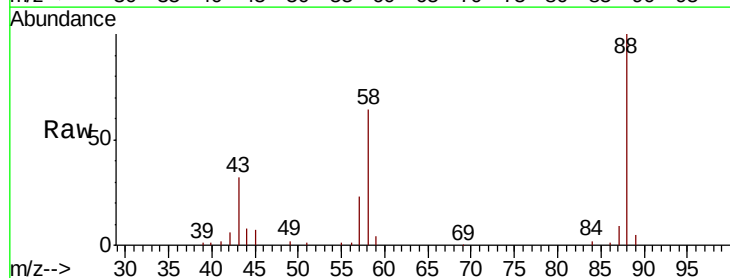
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



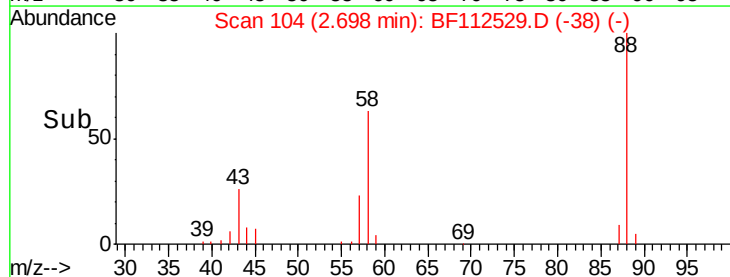
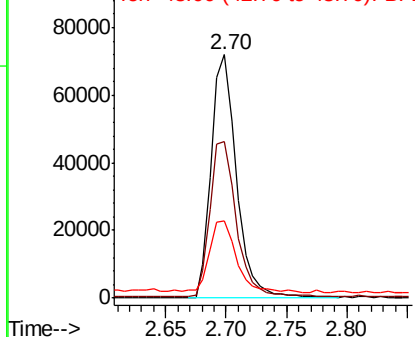
#2

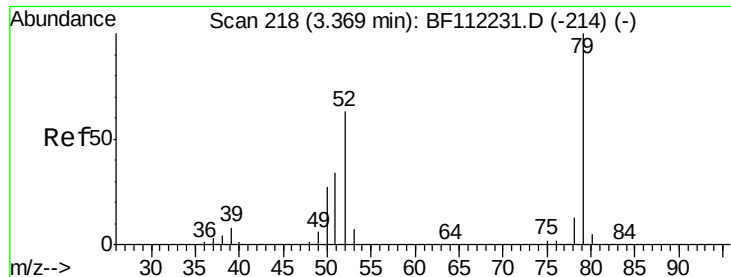
1,4-Dioxane  
Concen: 48.432 ng  
RT: 2.70 min Scan# 104  
Delta R.T. 0.09 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion: 88 Resp: 104455  
Ion Ratio Lower Upper  
88 100  
58 66.9 57.4 86.2  
43 30.9 22.2 33.4



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: 48.444 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.09 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

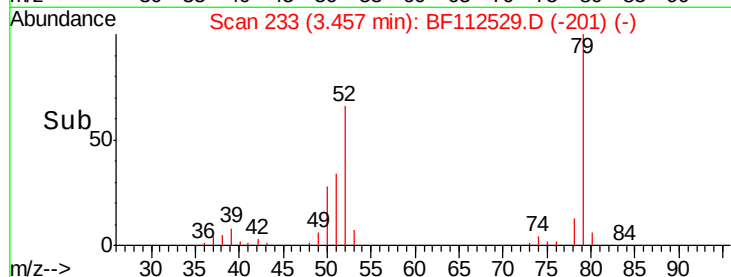
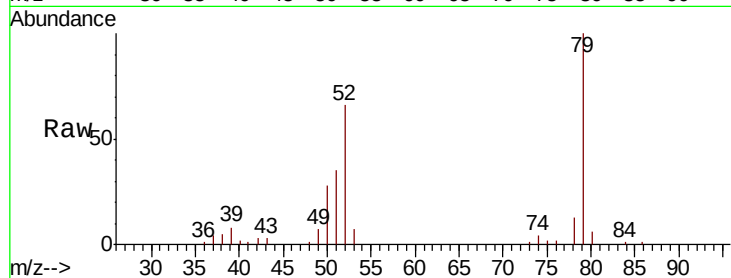
Tot Ion: 79 Resp: 265775

Ion Ratio Lower Upper

79 100

52 65.8 52.4 78.6

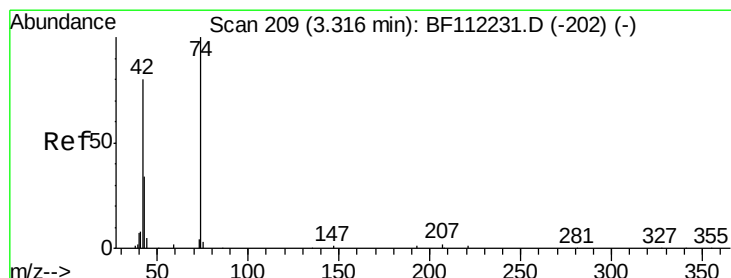
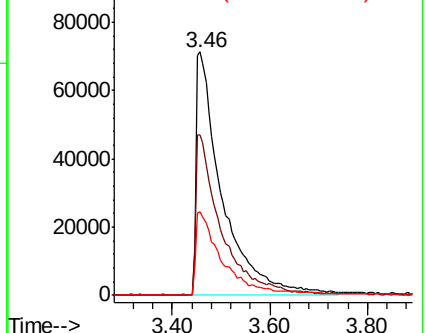
51 34.6 26.1 39.1



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: 55.460 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.09 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

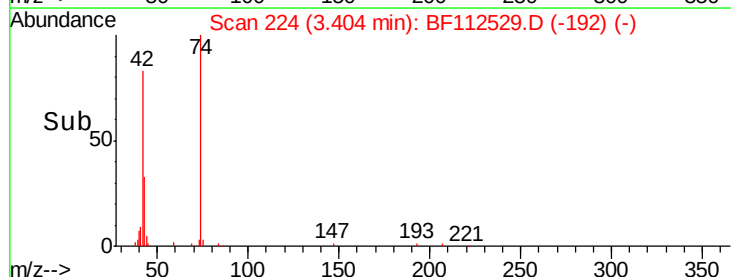
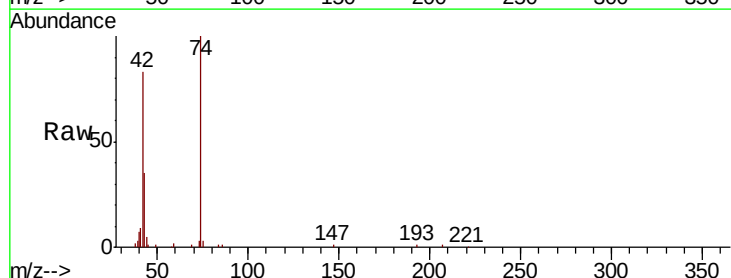
Tgt Ion: 42 Resp: 127834

Ion Ratio Lower Upper

42 100

74 120.4 105.6 158.4

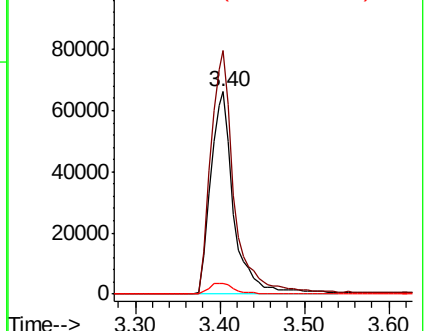
44 5.5 5.4 8.2

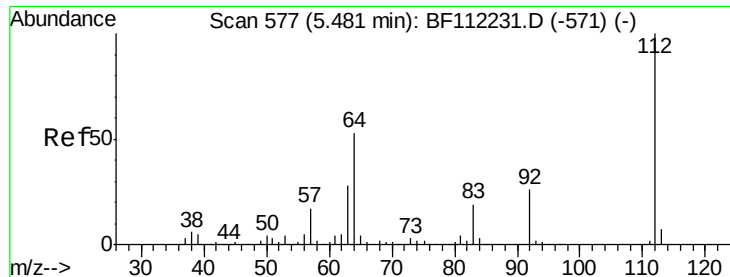


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 166.210 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

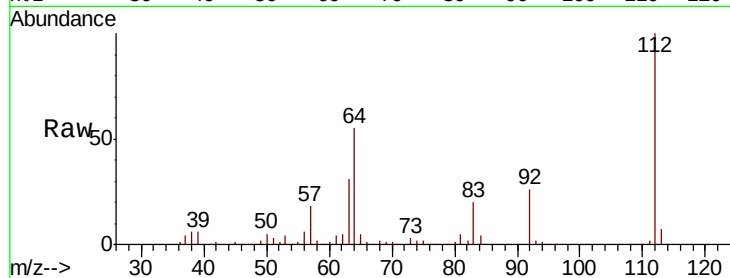
Tot Ion: 112 Resp: 899880

Ion Ratio Lower Upper

112 100

64 55.0 45.7 68.5

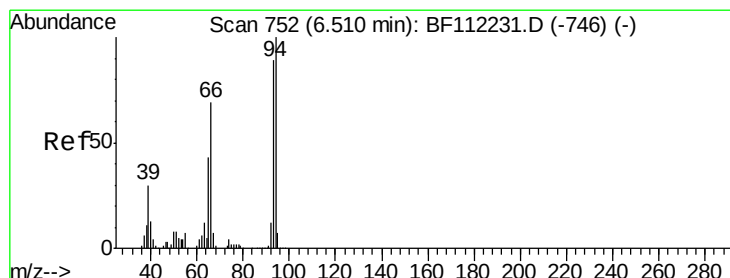
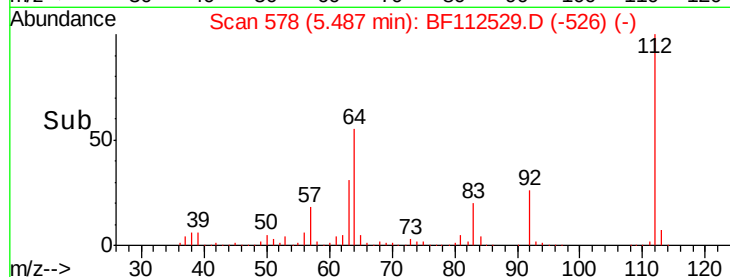
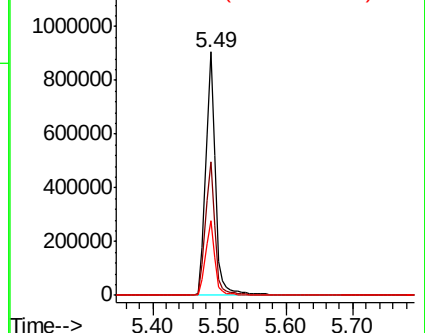
63 30.5 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.382 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

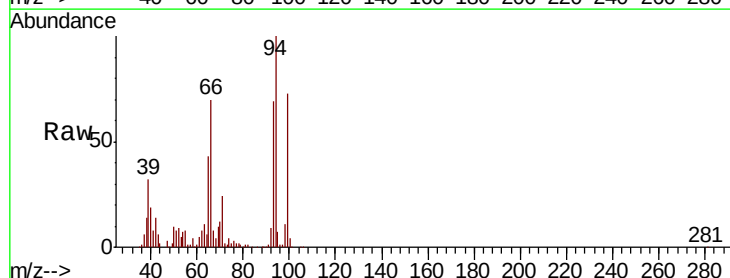
Tgt Ion: 93 Resp: 271895

Ion Ratio Lower Upper

93 100

66 101.3 43.4 65.2#

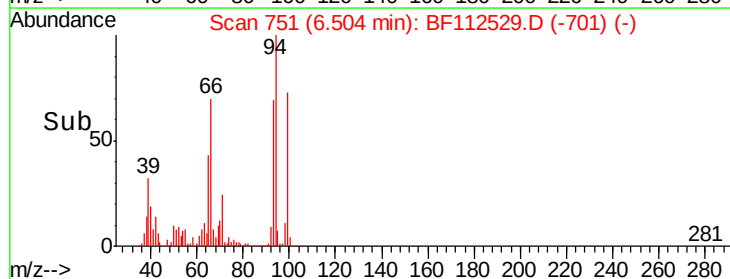
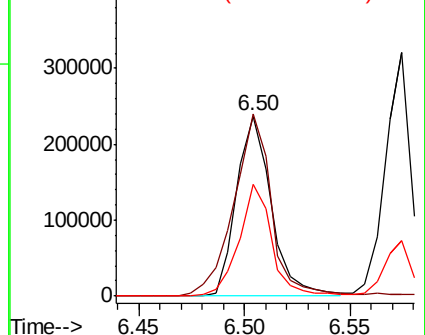
65 62.1 25.3 37.9#

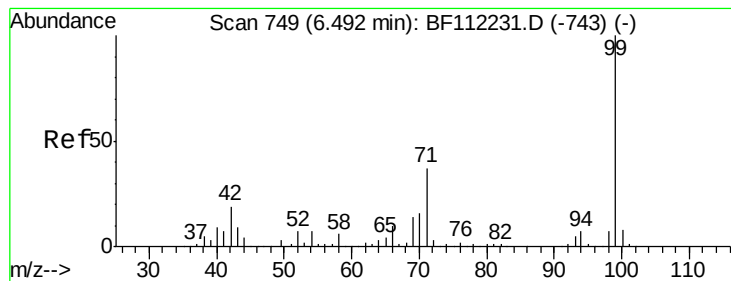


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 147.541 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

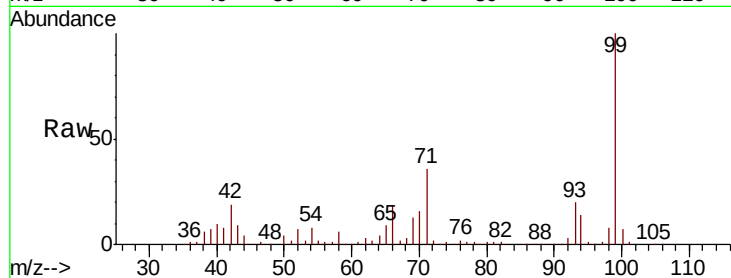
Tot Ion: 99 Resp: 1109978

Ion Ratio Lower Upper

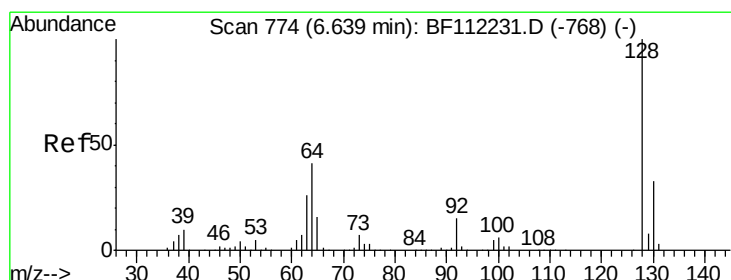
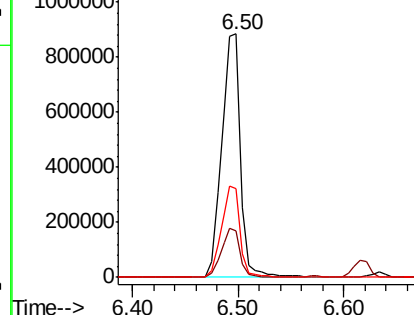
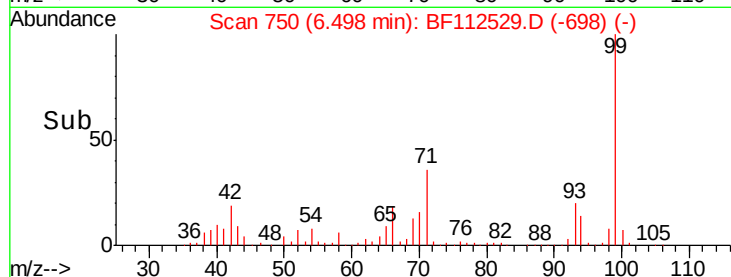
99 100

42 18.9 15.1 22.7

71 36.5 26.9 40.3



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: 43.370 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

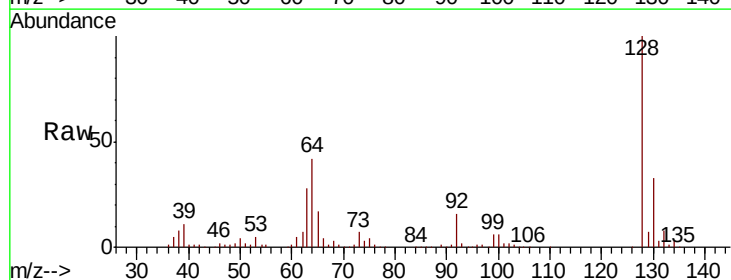
Tgt Ion: 128 Resp: 315879

Ion Ratio Lower Upper

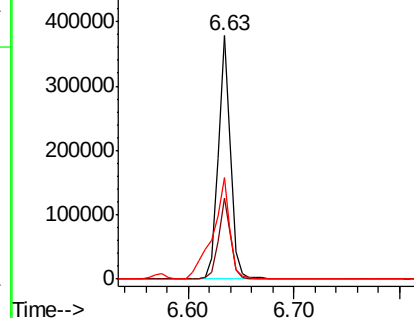
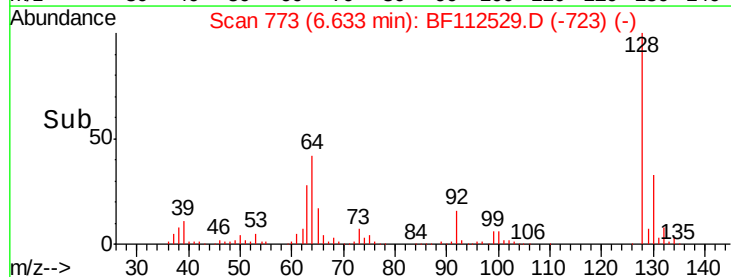
128 100

130 33.0 13.4 53.4

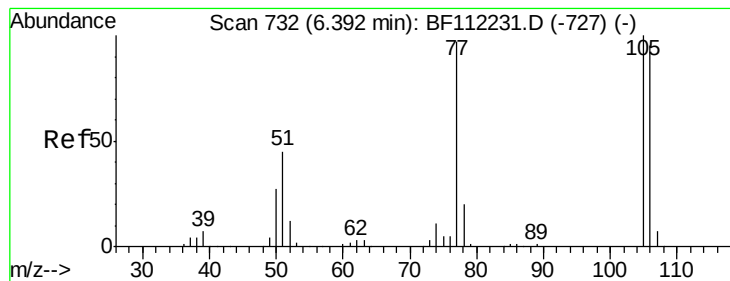
64 42.0 20.5 60.5



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: 33.849 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

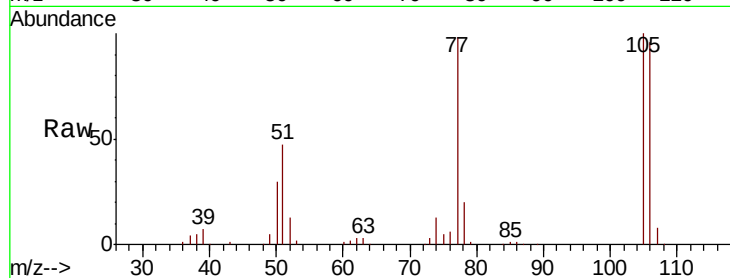
Tot Ion: 77 Resp: 133102

Ion Ratio Lower Upper

77 100

105 101.7 80.8 120.8

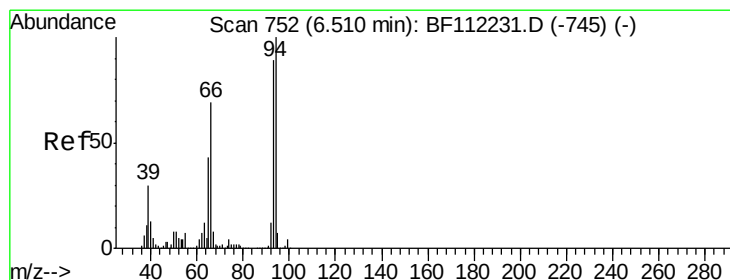
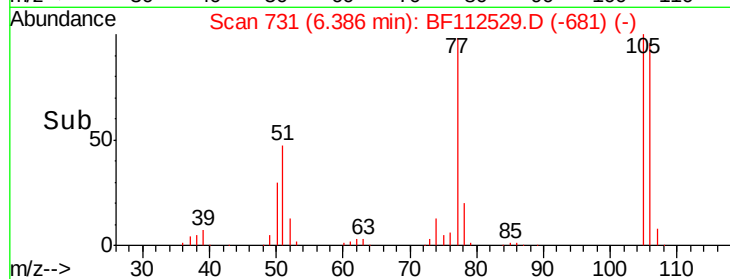
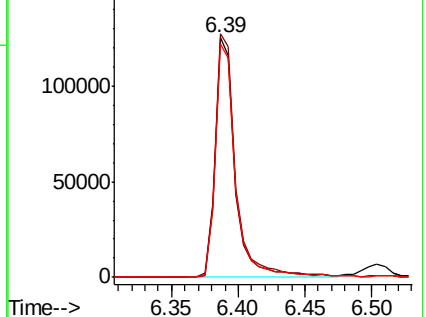
106 97.3 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 43.107 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

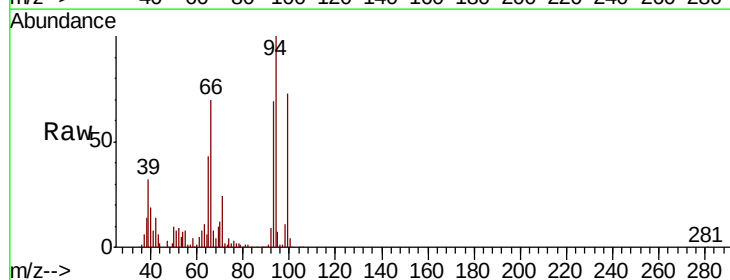
Tgt Ion: 94 Resp: 355798

Ion Ratio Lower Upper

94 100

65 42.6 20.3 60.3

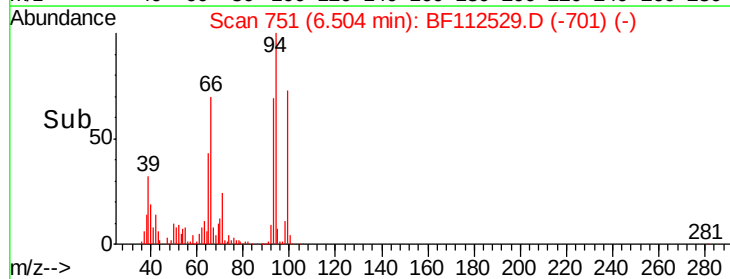
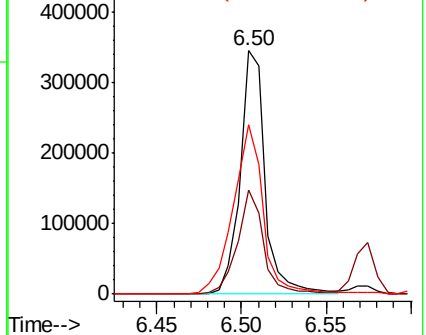
66 69.5 42.4 82.4



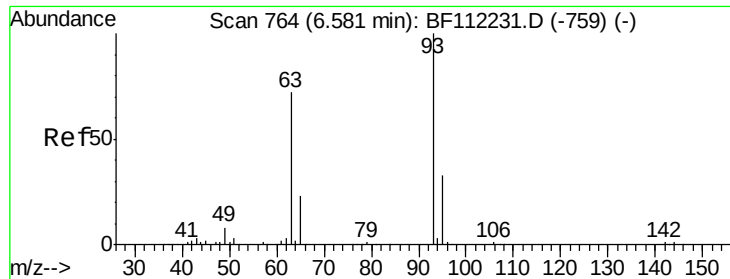
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



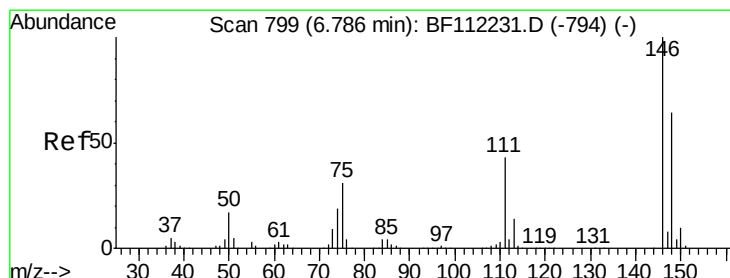
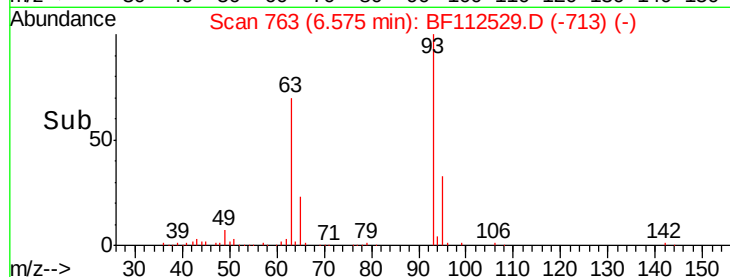
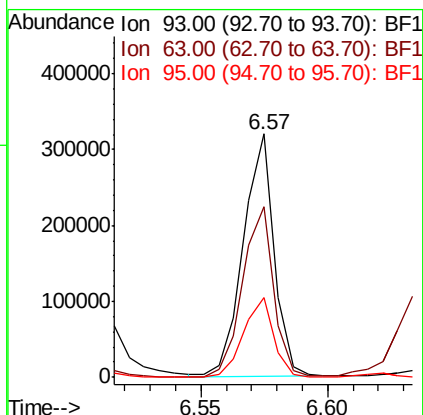
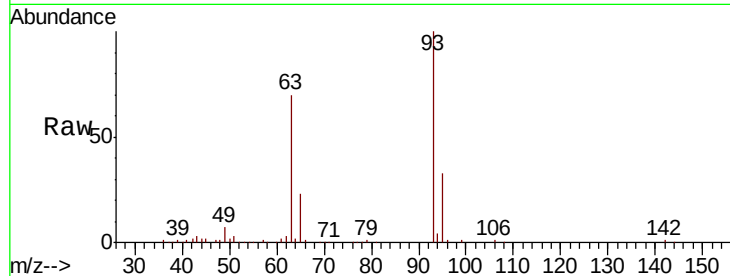




#11  
bis(2-Chloroethyl)ether  
Concen: 41.705 ng  
RT: 6.57 min Scan# 763  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

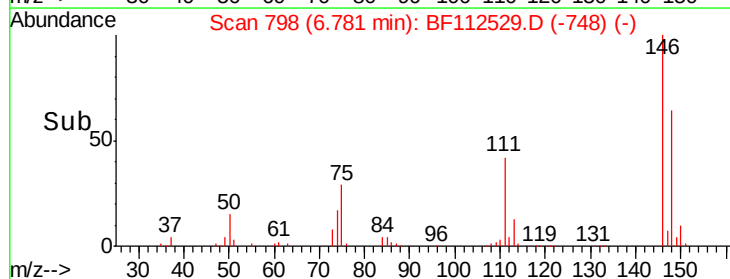
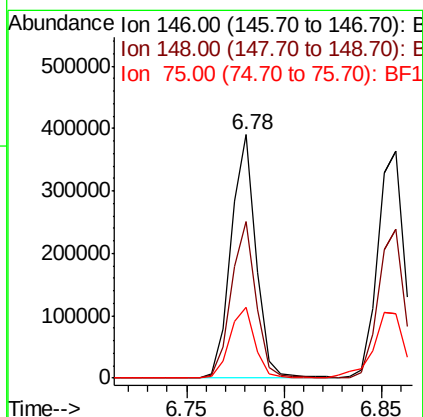
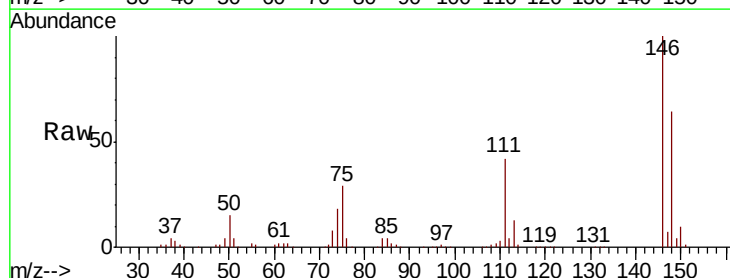
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

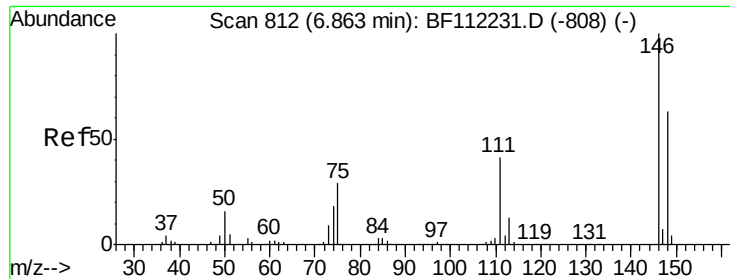
Tot Ion: 93 Resp: 271000  
Ion Ratio Lower Upper  
93 100  
63 70.1 53.3 93.3  
95 32.7 13.4 53.4



#12  
1,3-Dichlorobenzene  
Concen: 40.654 ng  
RT: 6.78 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion: 146 Resp: 344832  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.8 77.8  
75 29.0 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 40.495 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

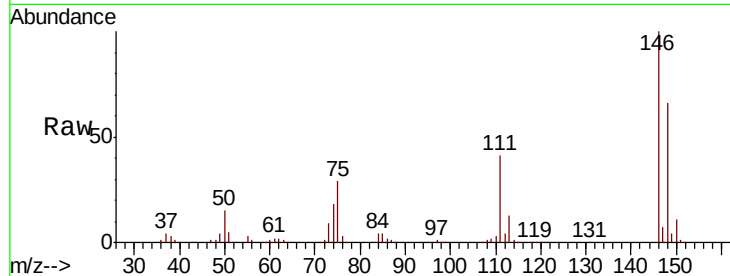
Tot Ion:146 Resp: 353505

Ion Ratio Lower Upper

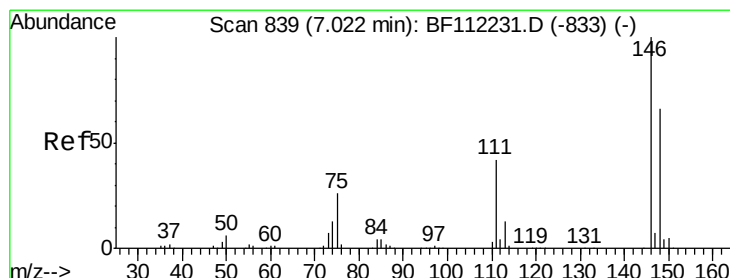
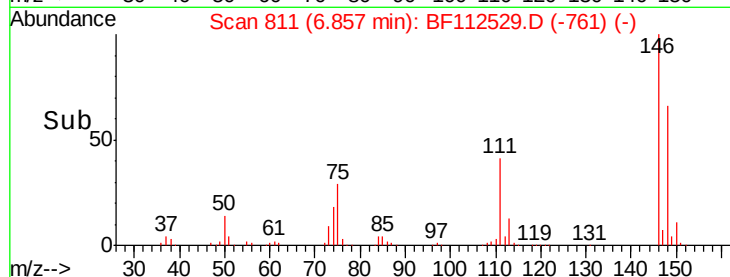
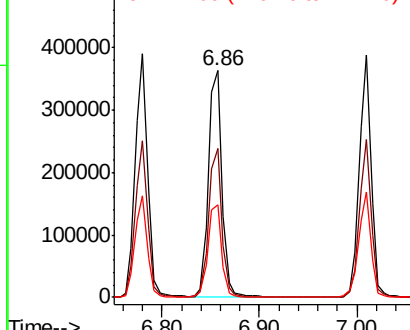
146 100

148 65.9 52.0 78.0

111 41.1 31.2 46.8



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



#14

1,2-Dichlorobenzene

Concen: 40.277 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

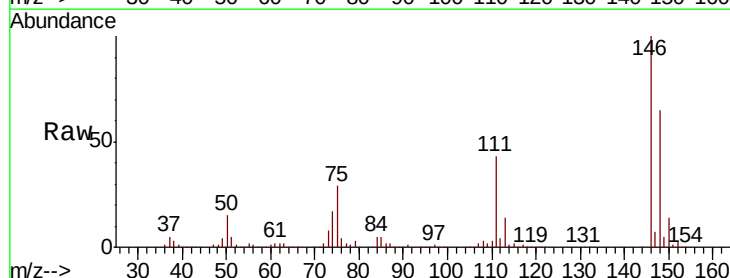
Tgt Ion:146 Resp: 329190

Ion Ratio Lower Upper

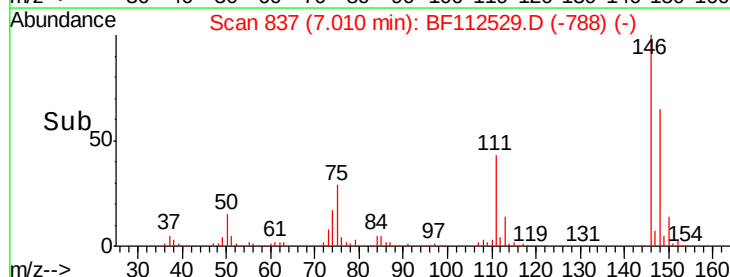
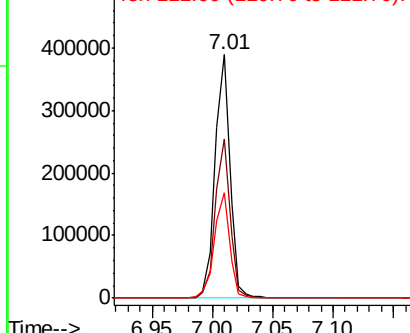
146 100

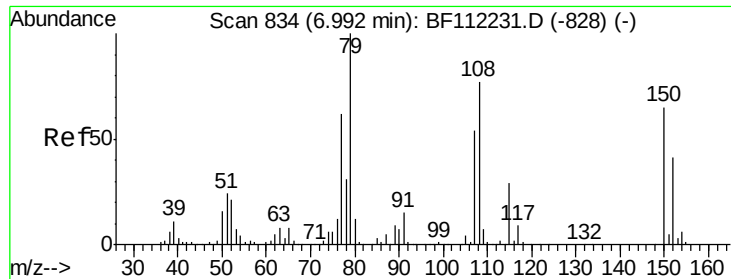
148 65.2 52.2 78.4

111 43.3 31.2 46.8



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

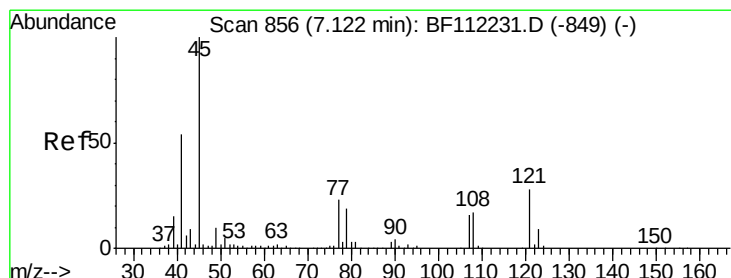
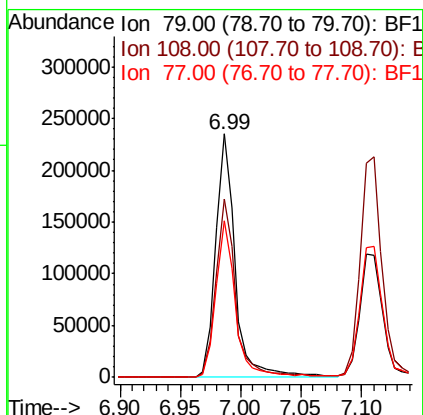
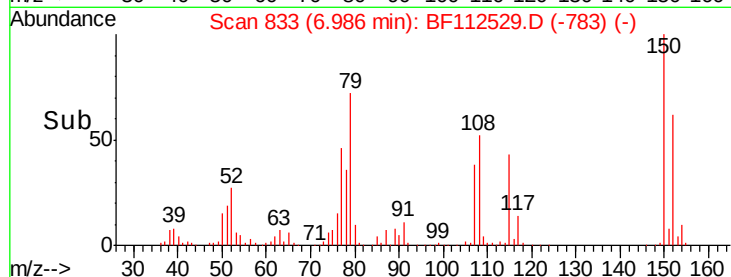
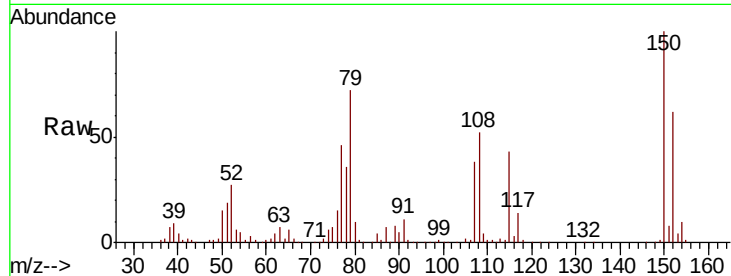




#15  
Benzyl Alcohol  
Concen: 41.095 ng  
RT: 6.99 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

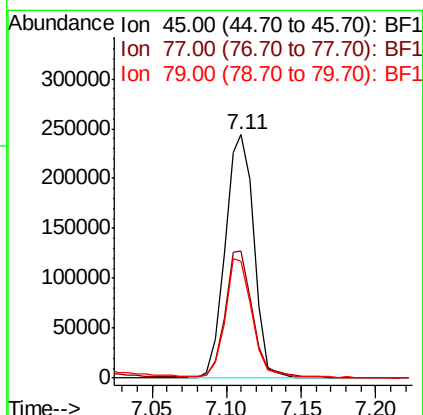
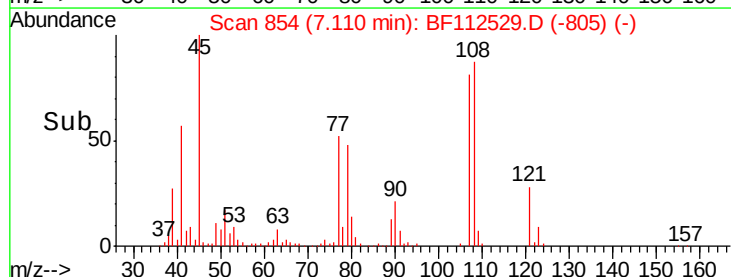
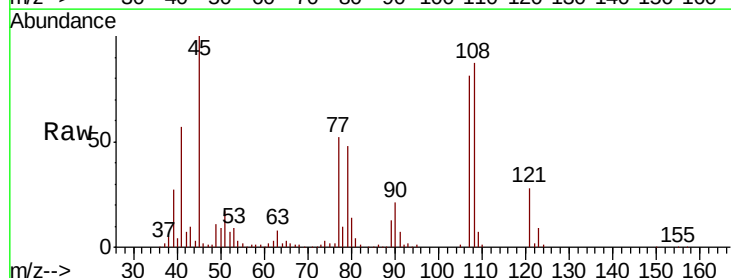
Instrument :  
BNA\_F  
ClientSampleID :  
PB117061BS

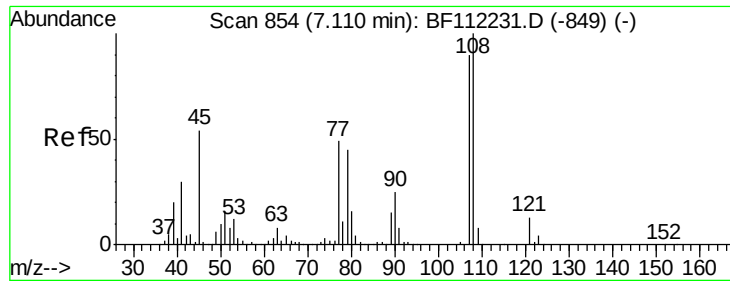
Tot Ion: 79 Resp: 260615  
Ion Ratio Lower Upper  
79 100  
108 73.1 64.2 96.2  
77 64.1 50.3 75.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.431 ng  
RT: 7.11 min Scan# 854  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion: 45 Resp: 328986  
Ion Ratio Lower Upper  
45 100  
77 52.0 0.0 36.9#  
79 48.1 0.0 34.0#





#17

2-Methylphenol

Concen: 41.897 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

Tot Ion:107 Resp: 241899

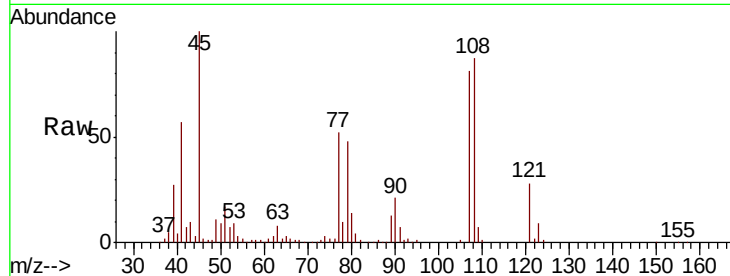
Ion Ratio Lower Upper

107 100

108 108.5 91.3 136.9

77 64.6 39.0 58.6#

79 59.7 37.0 55.4#



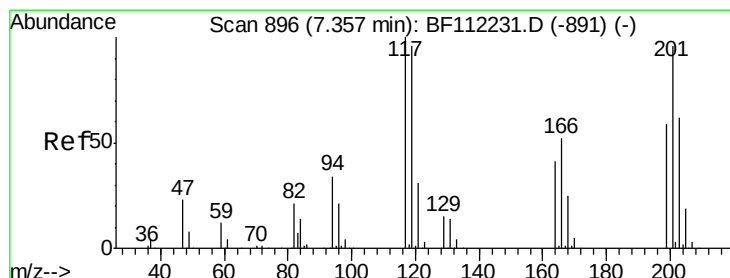
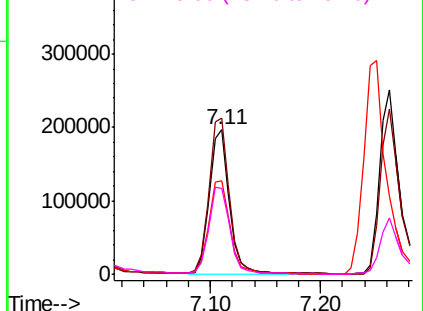
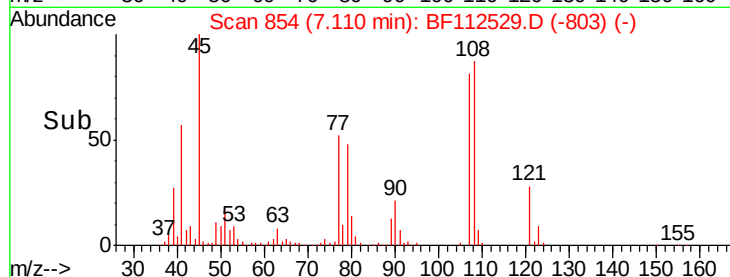
Abundance

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: 40.967 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

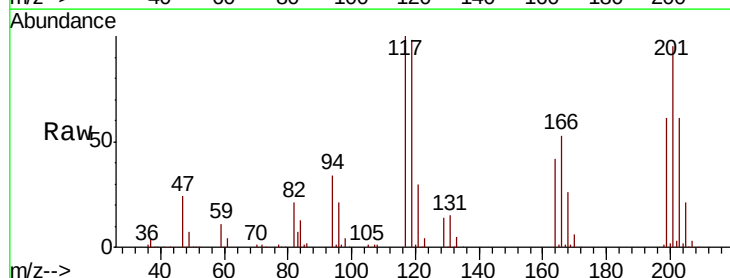
Tgt Ion:117 Resp: 125583

Ion Ratio Lower Upper

117 100

119 98.2 77.0 115.4

201 95.0 74.1 111.1

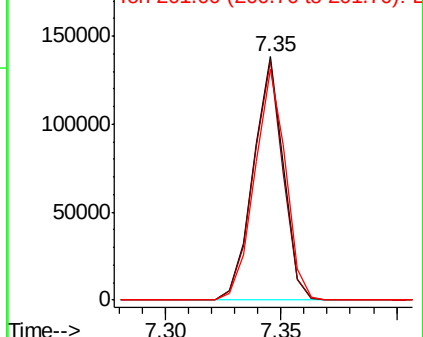
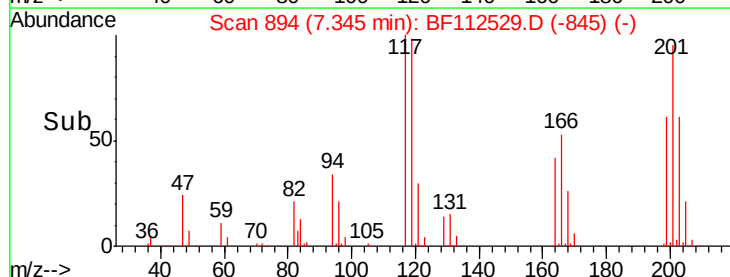


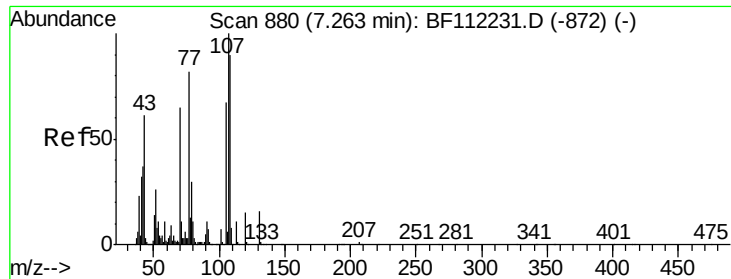
Abundance

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

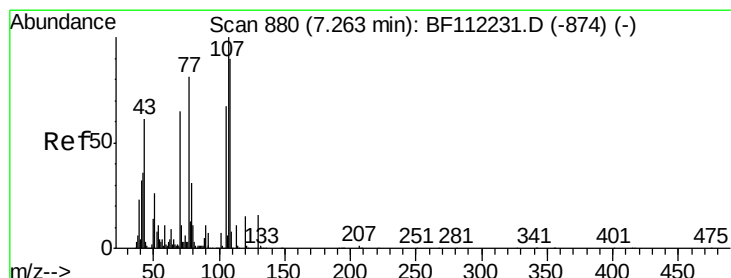
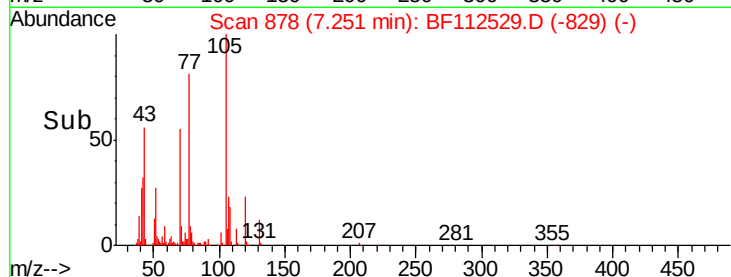
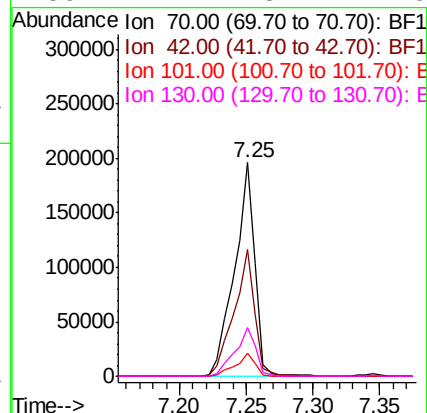
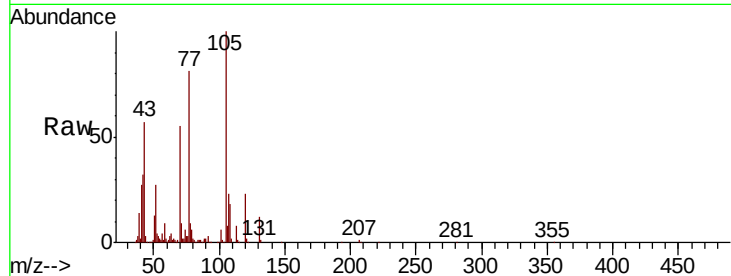




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.741 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

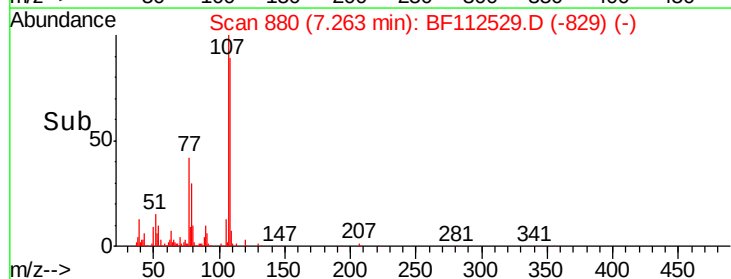
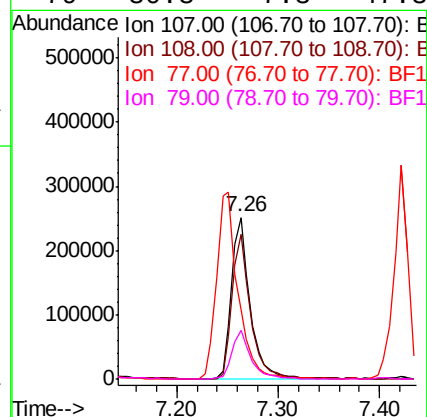
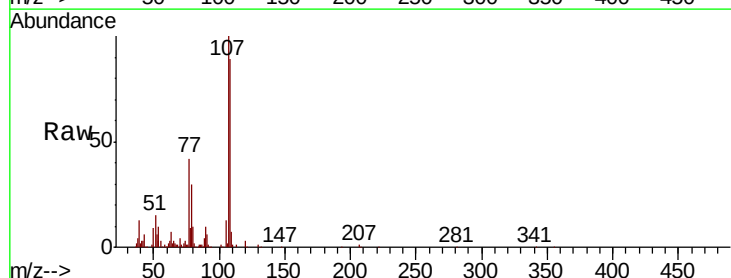
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

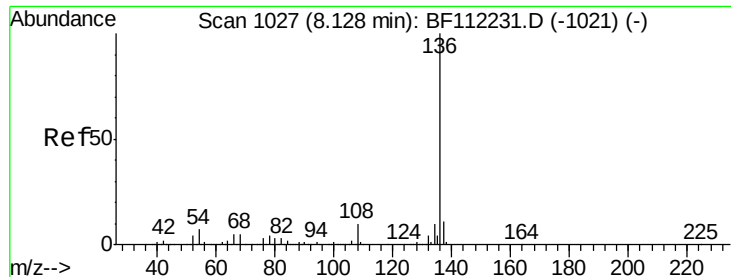
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 211348 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 59.3  | 47.6  | 71.4   |
| 101      | 10.7  | 7.9   | 11.9   |
| 130      | 22.7  | 18.4  | 27.6   |



#20  
3+4-Methylphenols  
Concen: 43.220 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 319102 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.1  | 68.2  | 108.2  |
| 77       | 42.3  | 100.7 | 140.7# |
| 79       | 30.3  | 7.3   | 47.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

Tot Ion:136 Resp: 455632

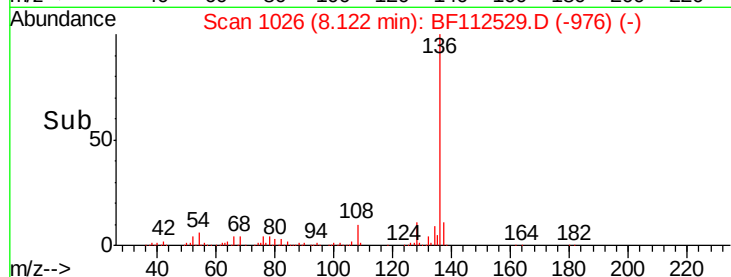
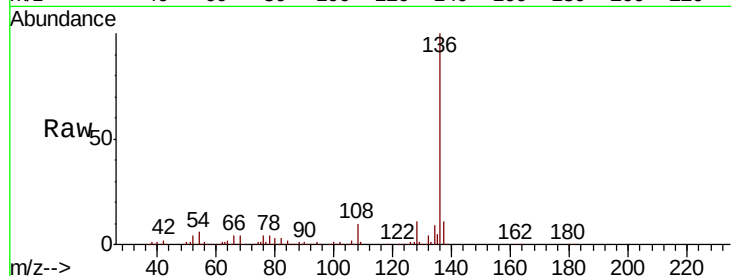
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.7 5.9 8.9#

68 4.2 5.1 7.7#

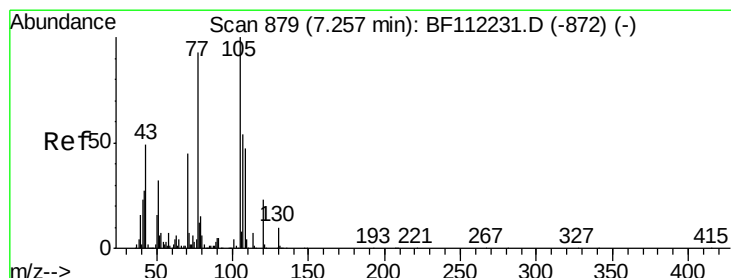
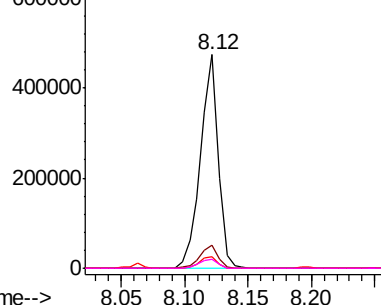


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.735 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Tgt Ion:105 Resp: 429750

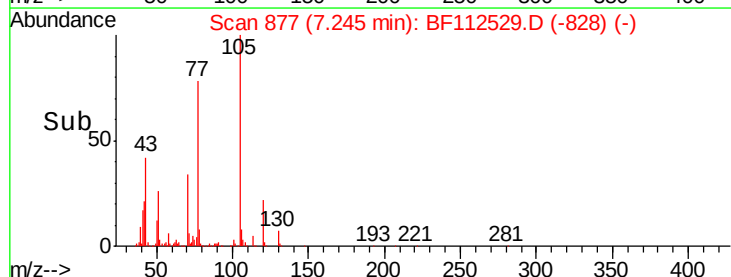
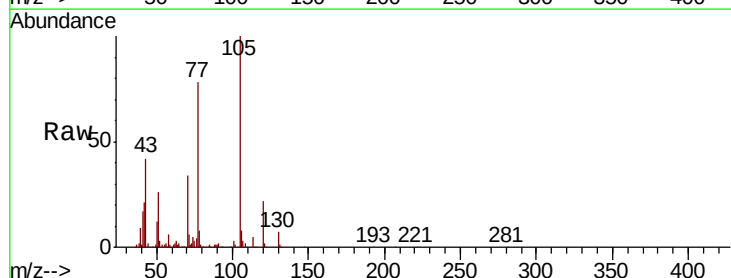
Ion Ratio Lower Upper

105 100

71 5.7 4.6 6.8

51 26.3 25.0 37.6

120 21.9 19.0 28.4

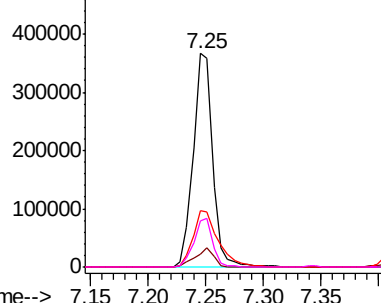


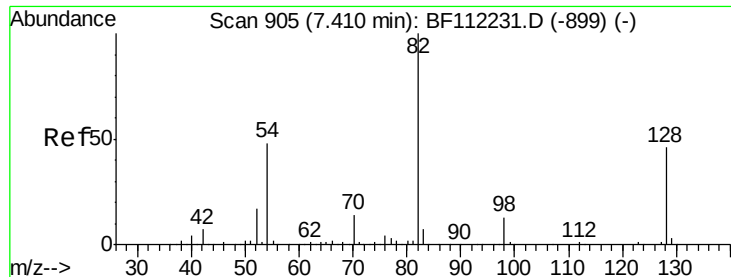
Abundance Ion 105.00 (104.70 to 105.70): E

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

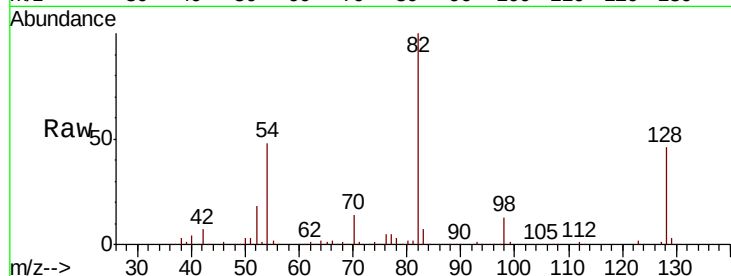




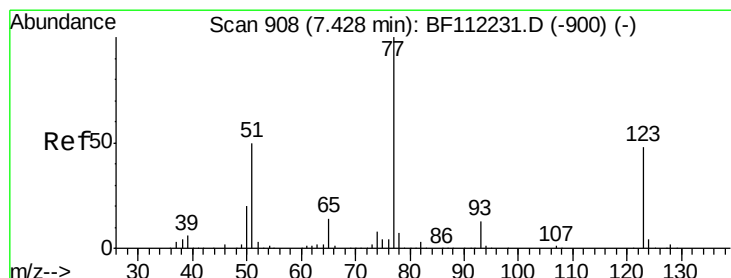
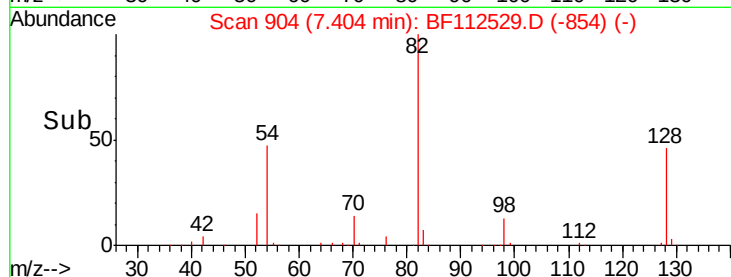
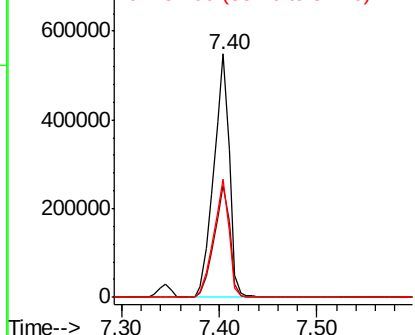
#23  
 Nitrobenzene-d5  
 Concen: 77.060 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

Tot Ion: 82 Resp: 609353  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 37.8 56.8  
 54 48.4 39.7 59.5

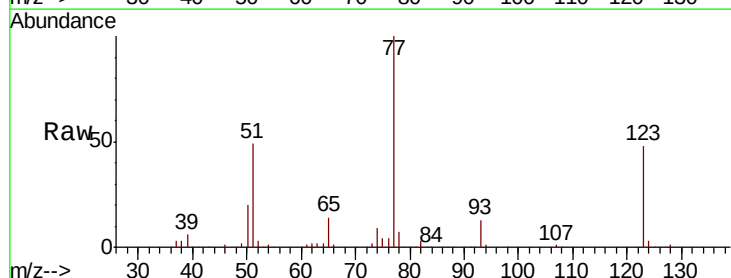


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

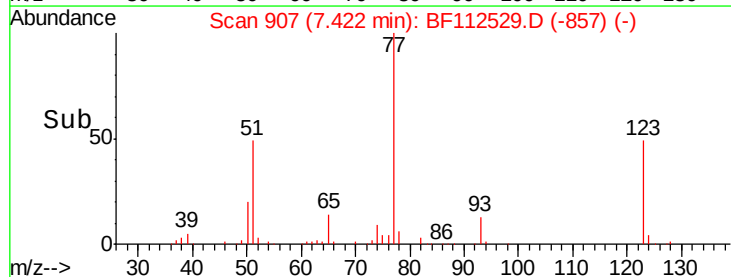
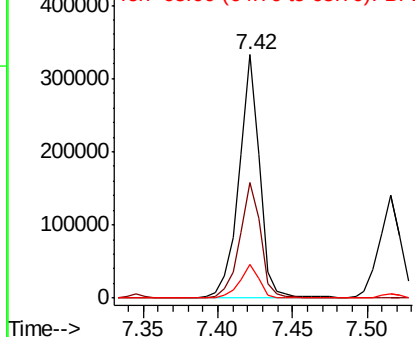


#24  
 Nitrobenzene  
 Concen: 40.118 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

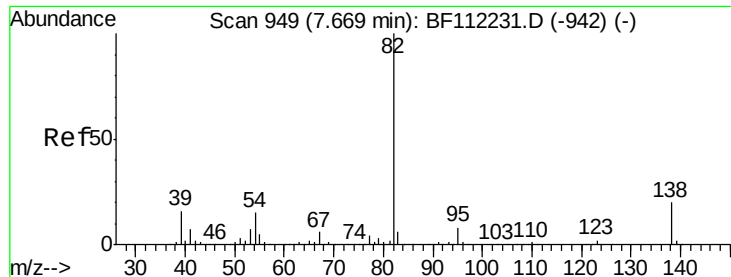
Tgt Ion: 77 Resp: 316826  
 Ion Ratio Lower Upper  
 77 100  
 123 47.6 38.4 57.6  
 65 13.7 10.6 15.8



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



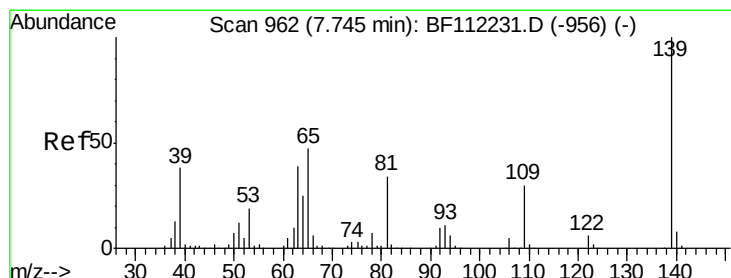
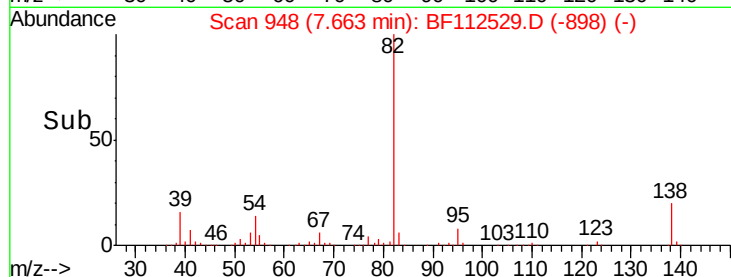
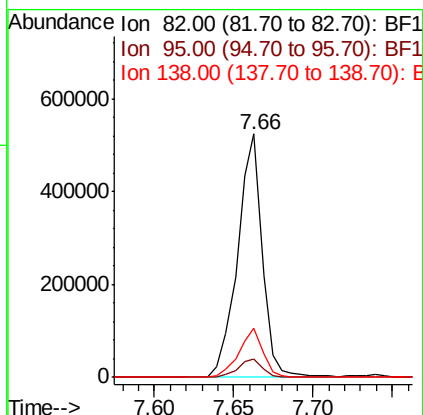
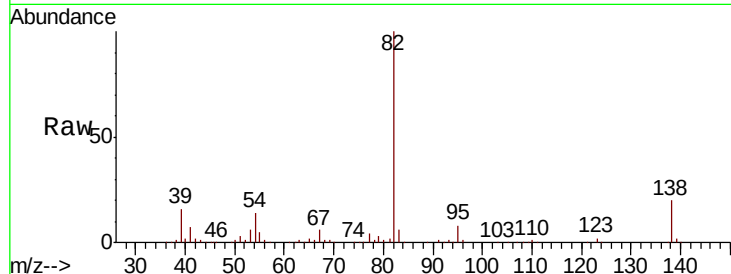




#25  
Isophorone  
Concen: 45.620 ng  
RT: 7.66 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

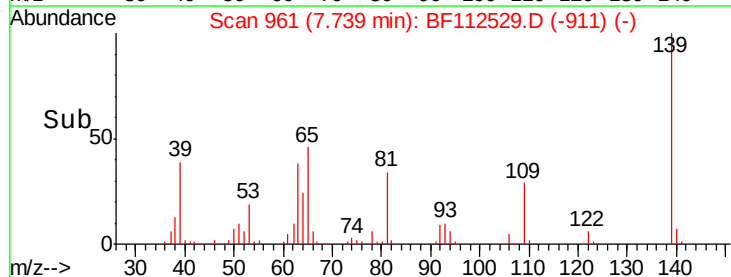
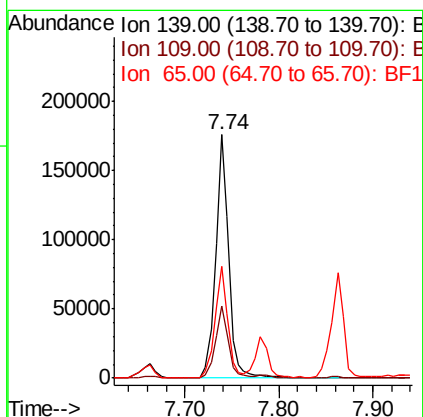
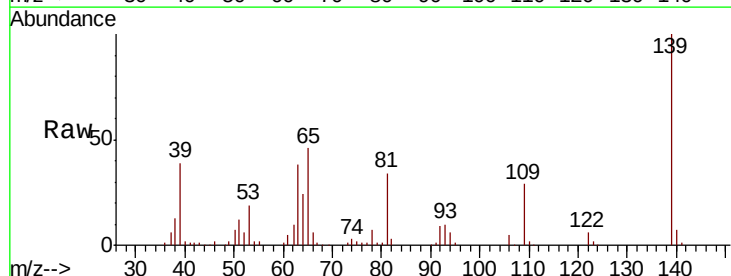
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

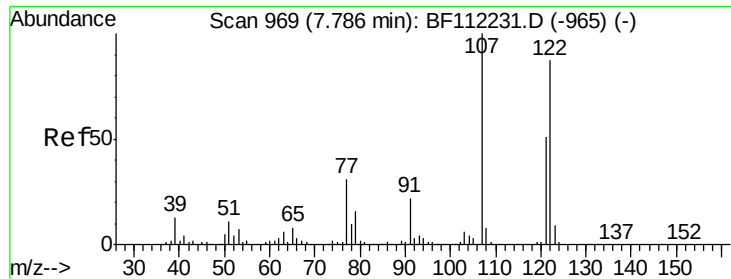
| Tot Ion   | 82    | Resp  | 565935 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.6   | 5.7   | 8.5    |
| 138       | 20.0  | 15.4  | 23.0   |



#26  
2-Nitrophenol  
Concen: 41.024 ng  
RT: 7.74 min Scan# 961  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

| Tgt Ion   | 139   | Resp  | 173141 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 29.5  | 20.8  | 31.2   |
| 65        | 46.1  | 34.4  | 51.6   |

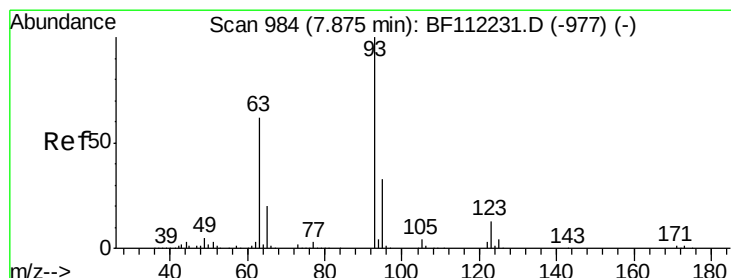
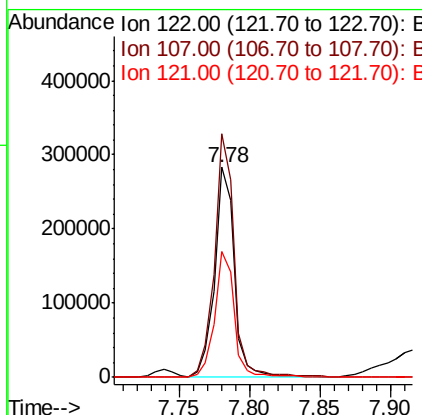
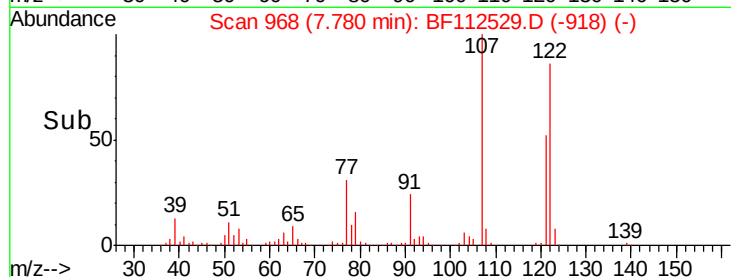
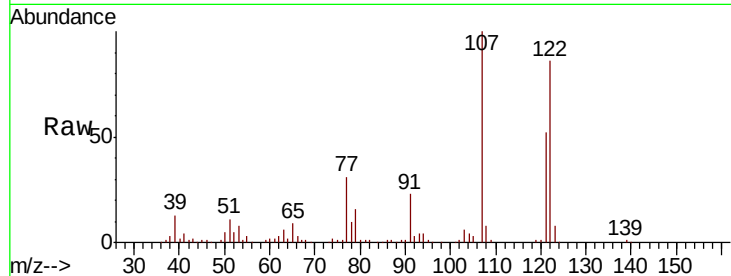




#27  
2,4-Dimethylphenol  
Concen: 46.957 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

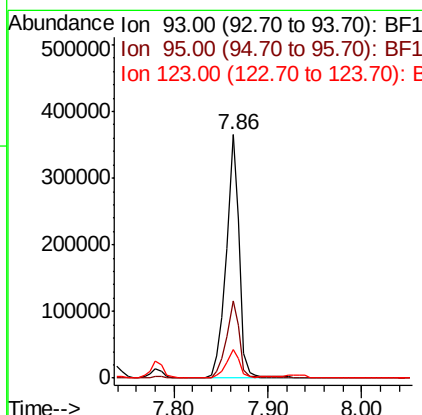
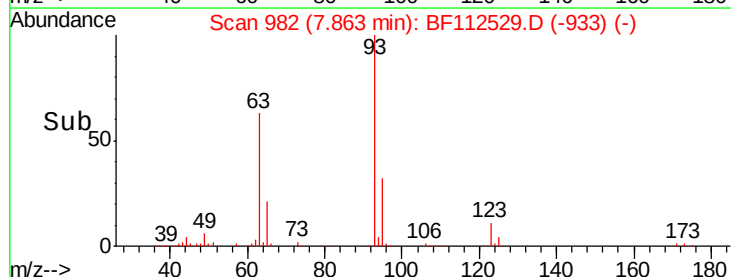
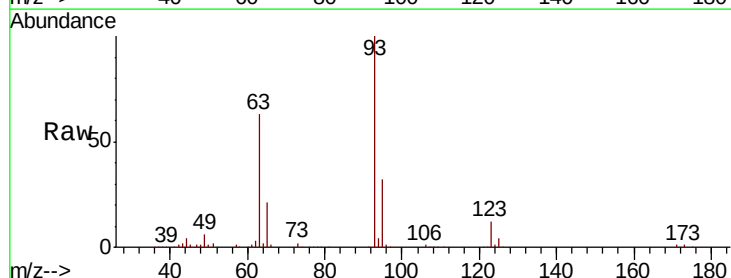
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

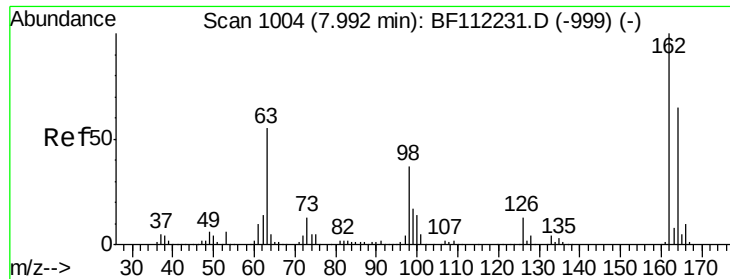
Tot Ion:122 Resp: 273044  
Ion Ratio Lower Upper  
122 100  
107 116.0 85.4 128.0  
121 60.2 47.0 70.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.727 ng  
RT: 7.86 min Scan# 982  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion: 93 Resp: 352459  
Ion Ratio Lower Upper  
93 100  
95 31.8 26.8 40.2  
123 11.5 10.2 15.2

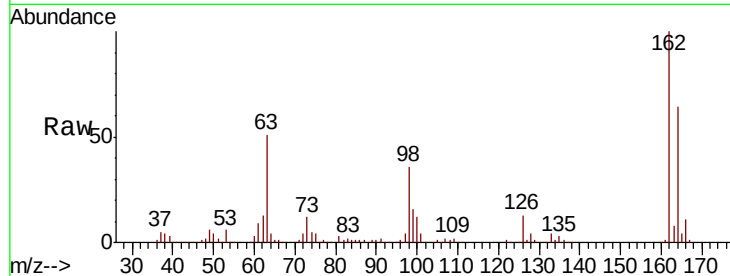




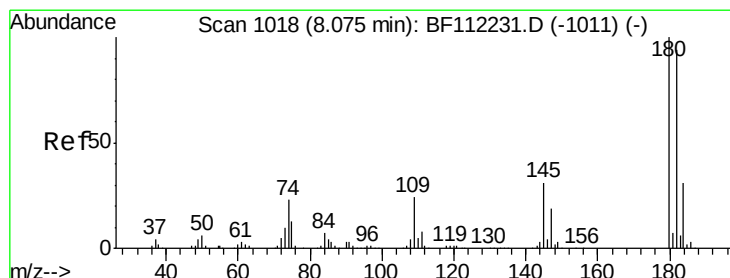
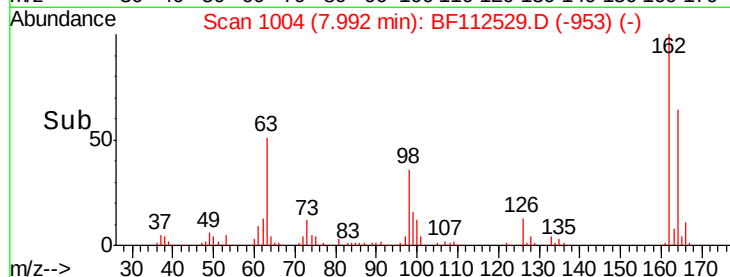
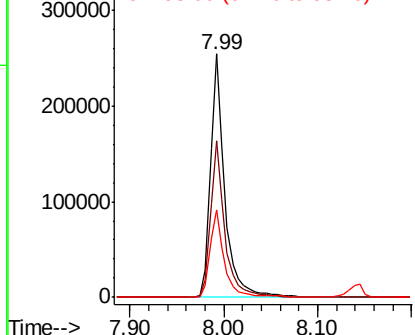
#29  
 2,4-Dichlorophenol  
 Concen: 42.067 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.1  | 44.6  | 84.6  |
| 98      | 35.8  | 14.6  | 54.6  |

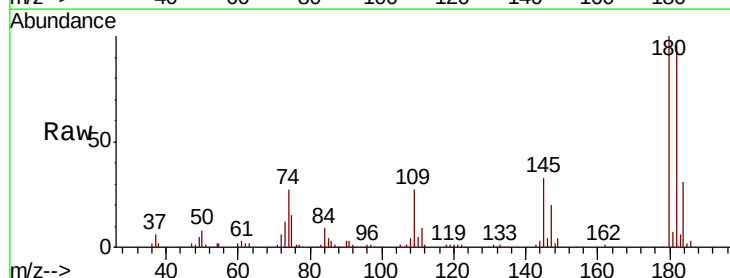


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

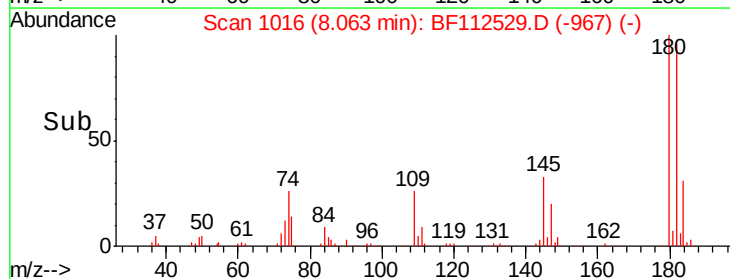
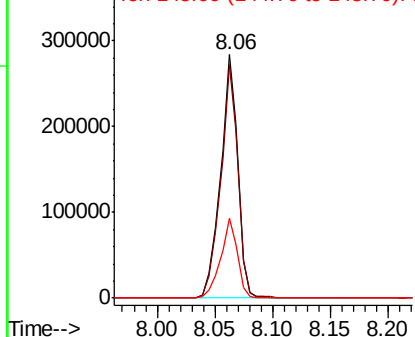


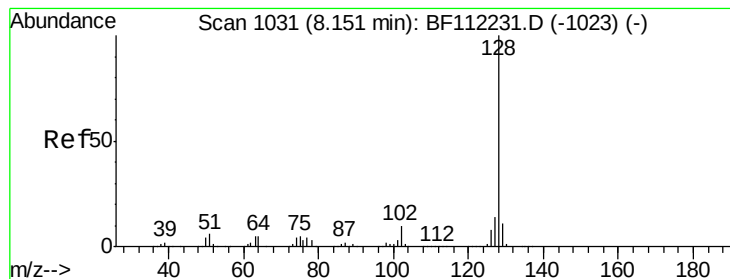
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.307 ng  
 RT: 8.06 min Scan# 1016  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 76.4  | 114.6 |
| 145     | 32.6  | 25.0  | 37.4  |



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





#31

Naphthalene

Concen: 43.194 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

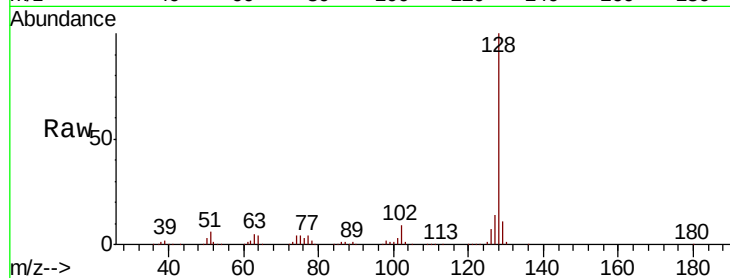
Tot Ion:128 Resp: 920352

Ion Ratio Lower Upper

128 100

129 10.6 9.6 14.4

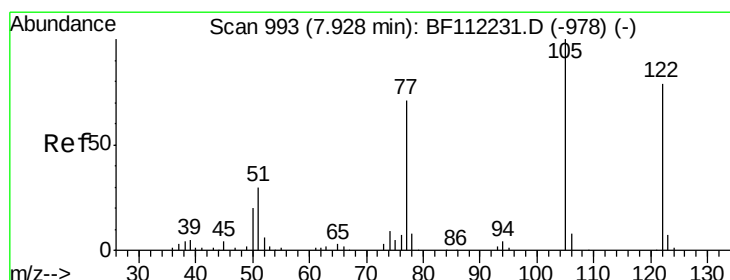
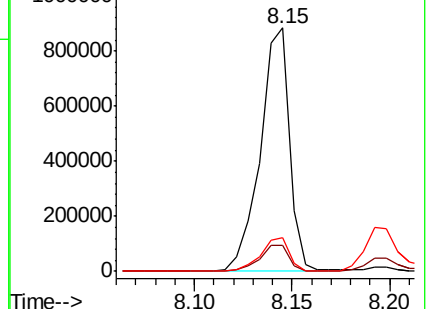
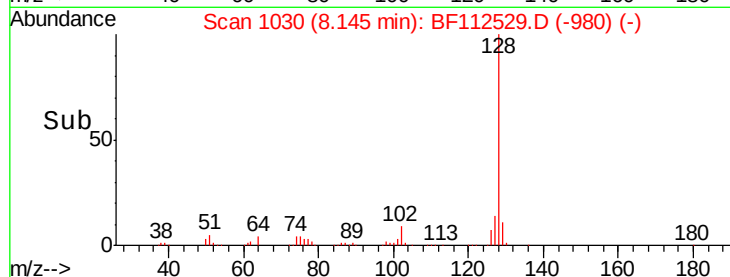
127 13.8 11.1 16.7



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: 42.535 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

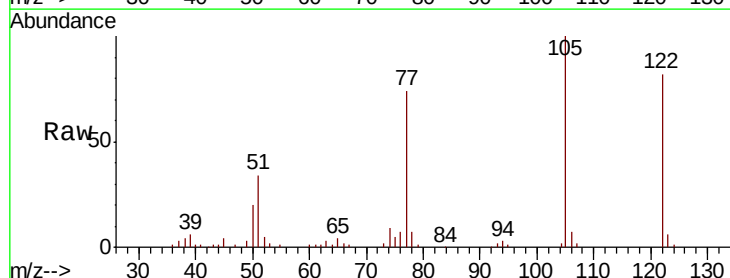
Tgt Ion:122 Resp: 141085

Ion Ratio Lower Upper

122 100

105 122.3 101.2 141.2

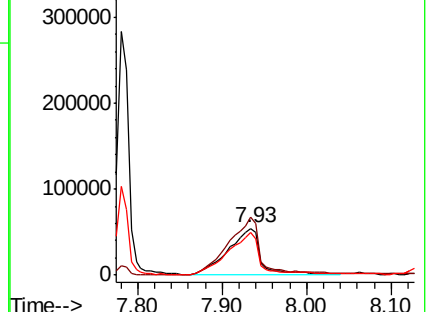
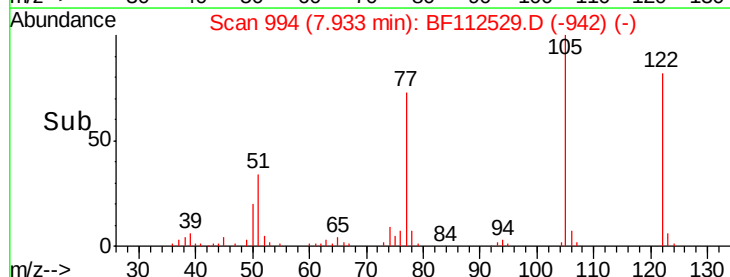
77 90.5 70.4 110.4

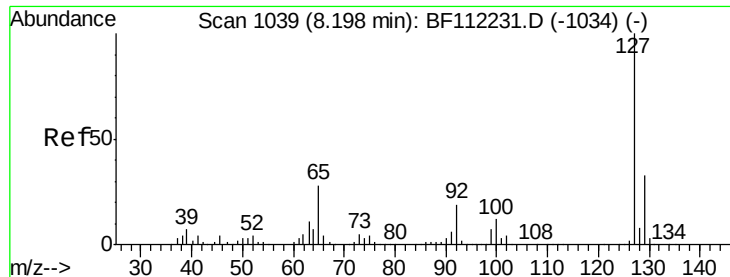


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

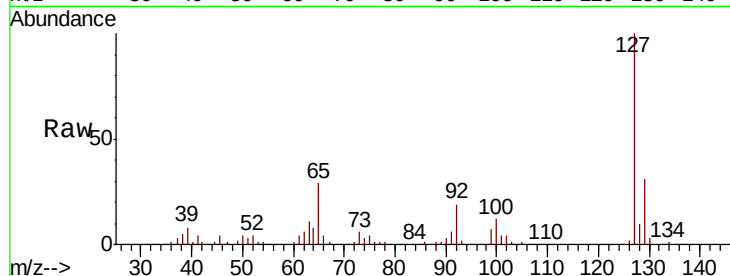




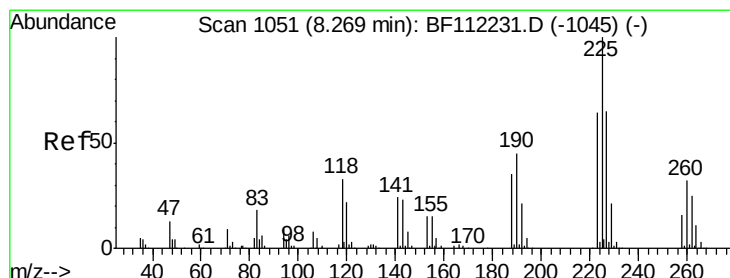
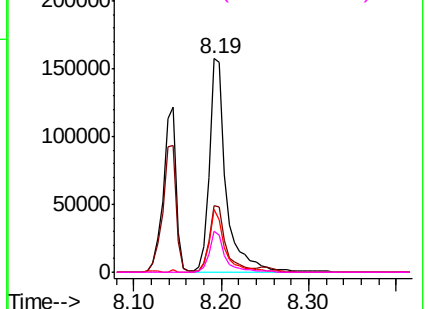
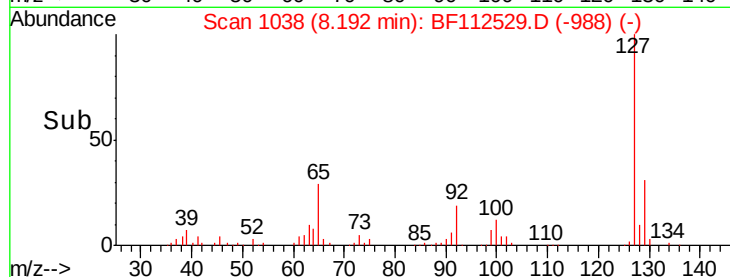
#33  
4-Chloroaniline  
Concen: 22.582 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 209508    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.3  | 26.6 39.8 |
| 65          | 29.4  | 21.4 32.2 |
| 92          | 19.3  | 14.2 21.2 |

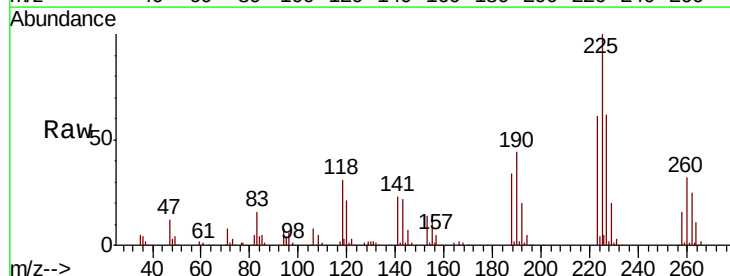


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

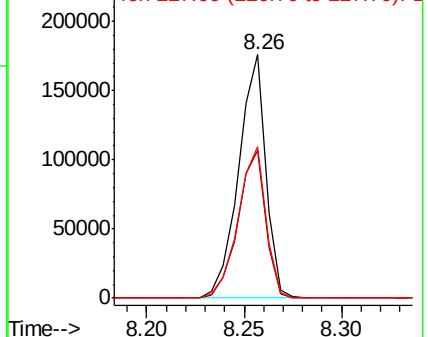
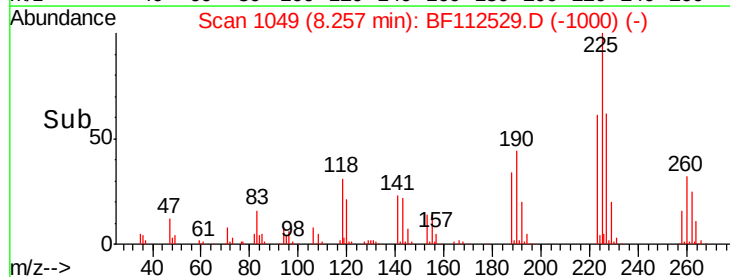


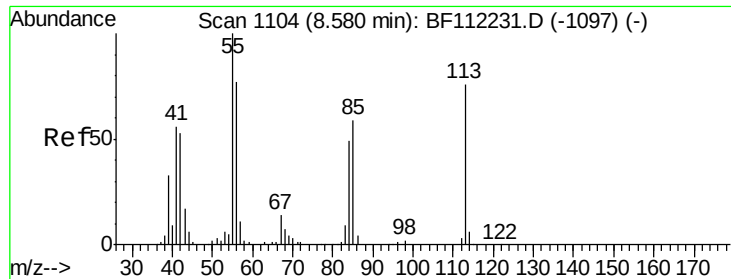
#34  
Hexachlorobutadiene  
Concen: 38.681 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 169782    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 60.6  | 50.3 75.5 |
| 227         | 62.0  | 51.8 77.8 |



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

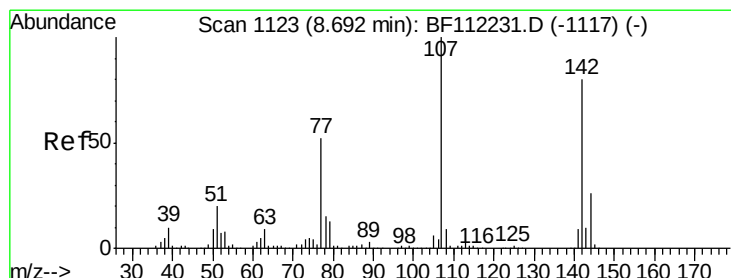
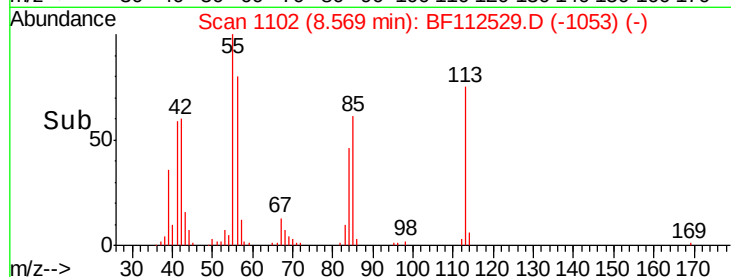
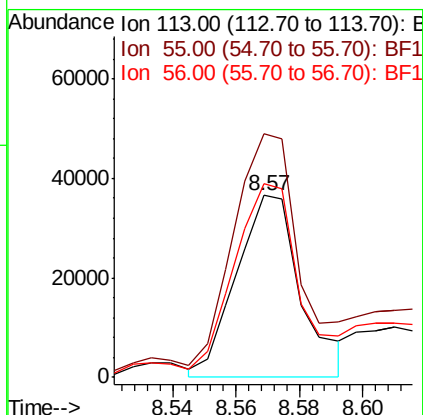
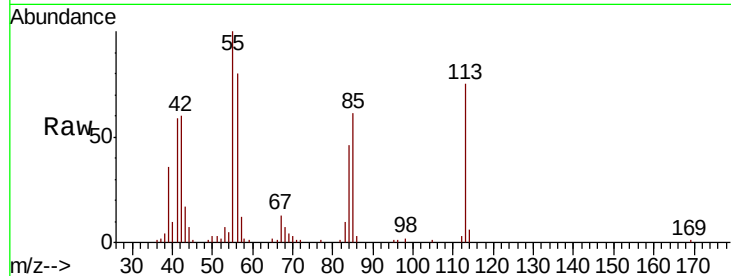




#35  
 Caprolactam  
 Concen: 22.516 ng  
 RT: 8.57 min Scan# 1102  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

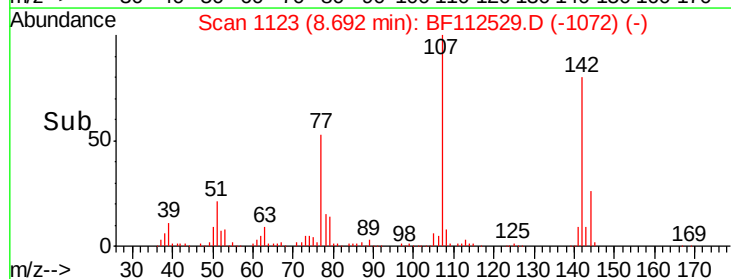
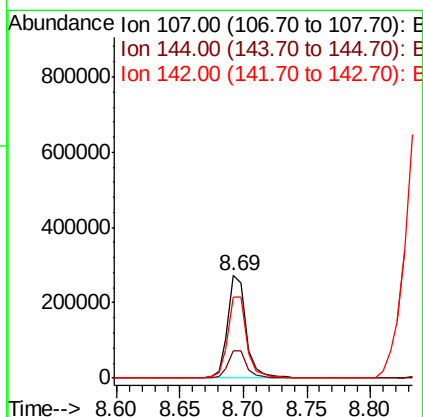
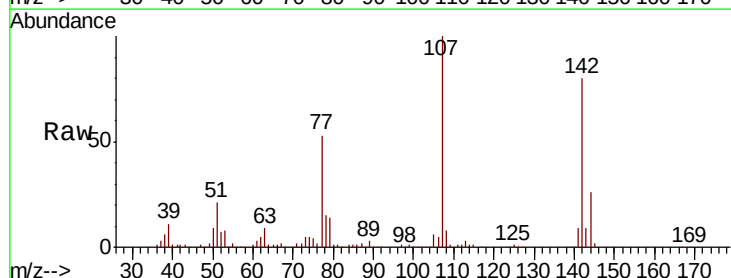
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

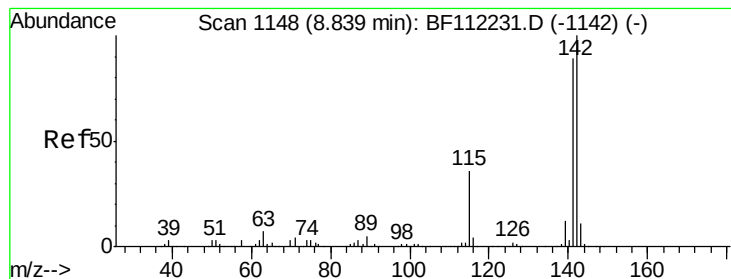
Tot Ion:113 Resp: 51687  
 Ion Ratio Lower Upper  
 113 100  
 55 133.8 121.6 161.6  
 56 106.8 86.7 126.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 40.107 ng  
 RT: 8.69 min Scan# 1123  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Tgt Ion:107 Resp: 276282  
 Ion Ratio Lower Upper  
 107 100  
 144 26.4 22.2 33.2  
 142 79.7 67.7 101.5

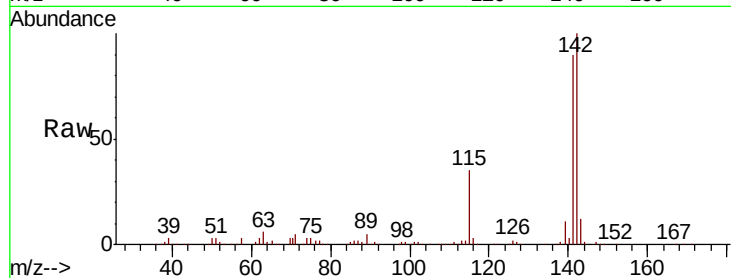




#37  
2-Methylnaphthalene  
Concen: 44.320 ng  
RT: 8.83 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 70.9  | 106.3 |
| 115     | 35.2  | 24.9  | 37.3  |

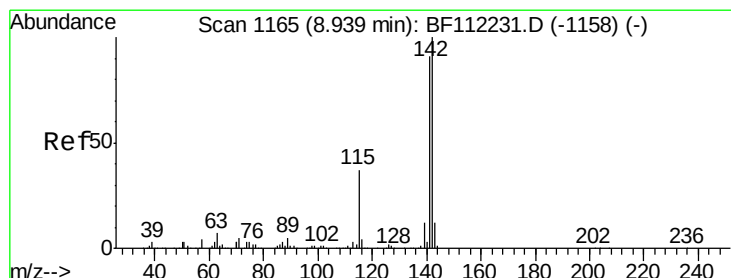
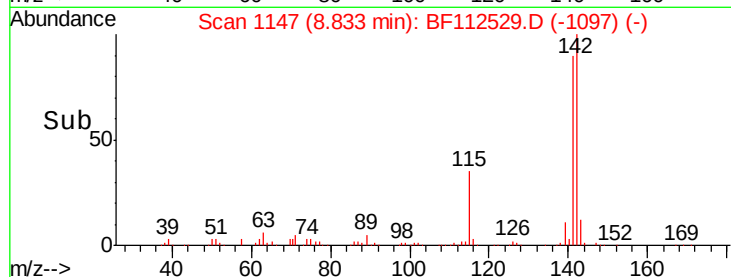
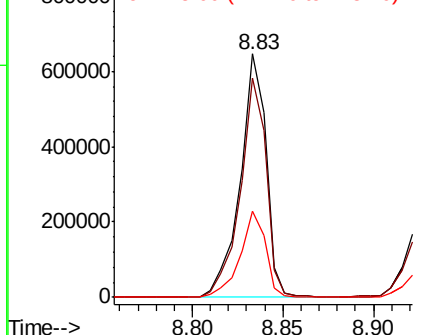


Abundance

Ion 142.00 (141.70 to 142.70): E

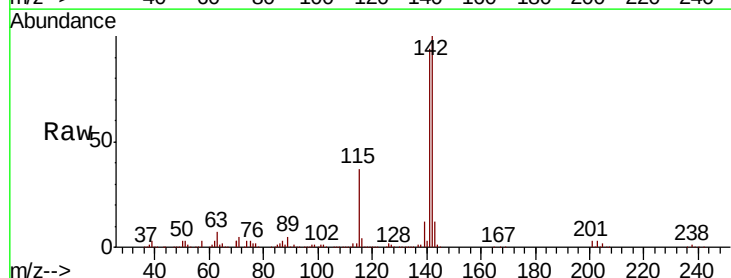
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 43.882 ng  
RT: 8.93 min Scan# 1164  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.9  | 72.6  | 108.8 |
| 116     | 3.7   | 2.8   | 4.2   |

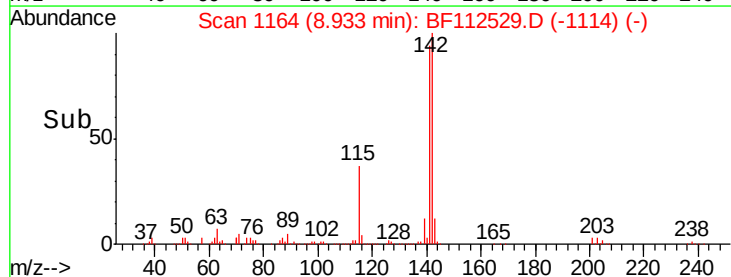
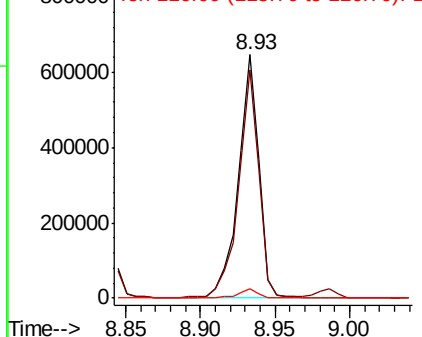


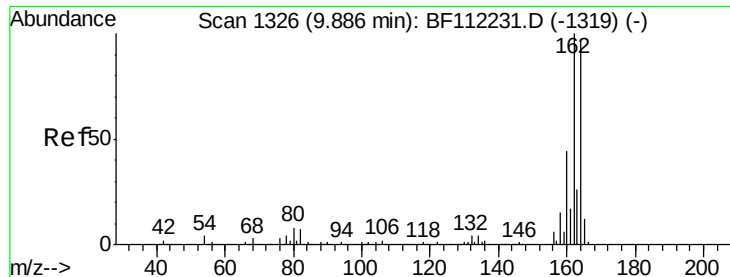
Abundance

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

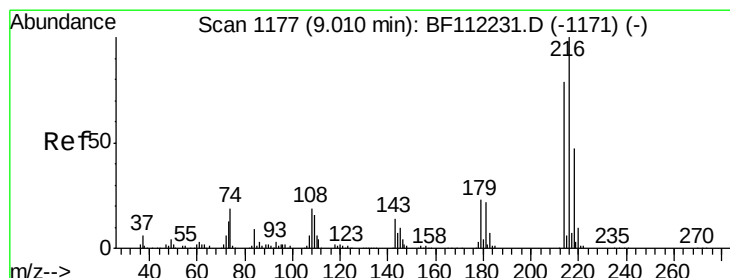
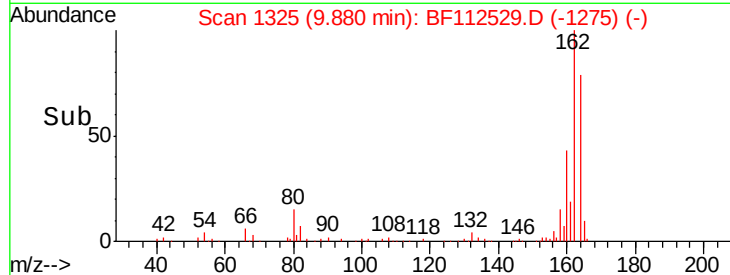
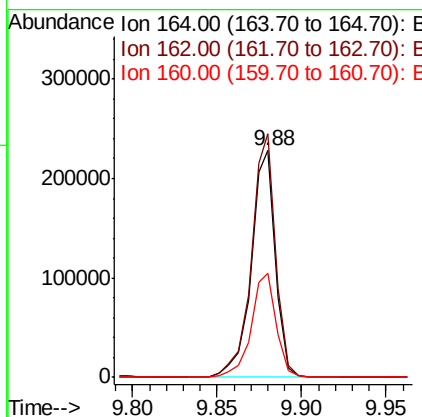
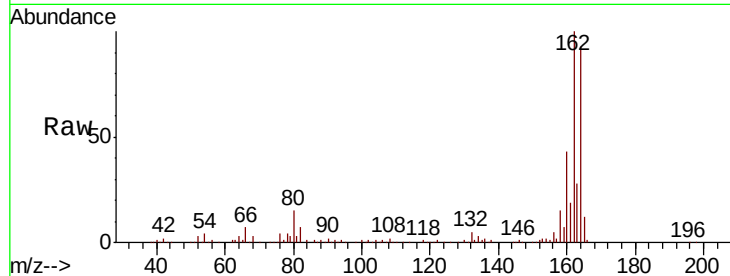




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

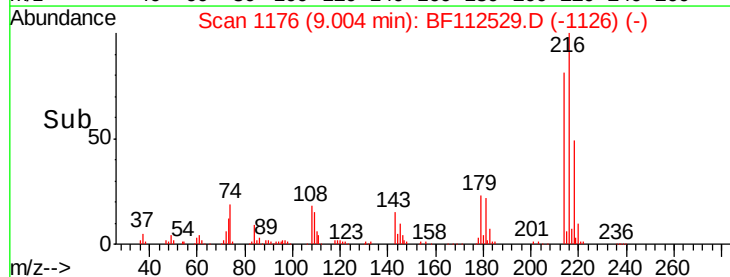
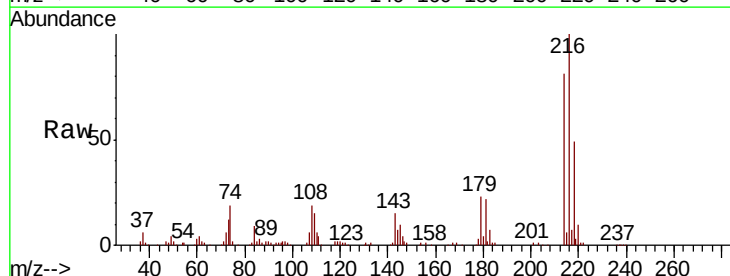
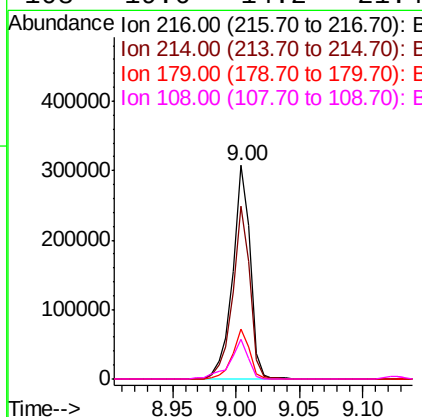
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.4 | 82.2  | 123.4 |
| 160     | 45.9  | 36.2  | 54.4  |

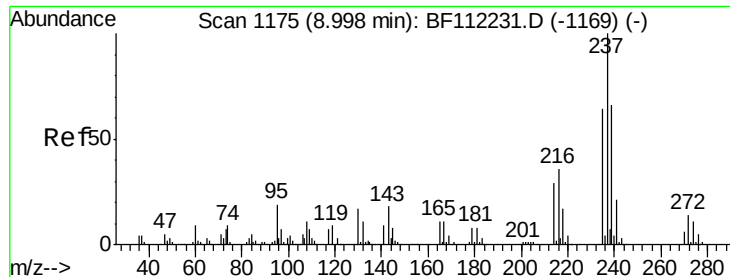


#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.010 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.3  | 63.8  | 95.6  |
| 179     | 22.3  | 16.9  | 25.3  |
| 108     | 19.6  | 14.2  | 21.4  |







#41

Hexachlorocyclopentadiene

Concen: 61.697 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

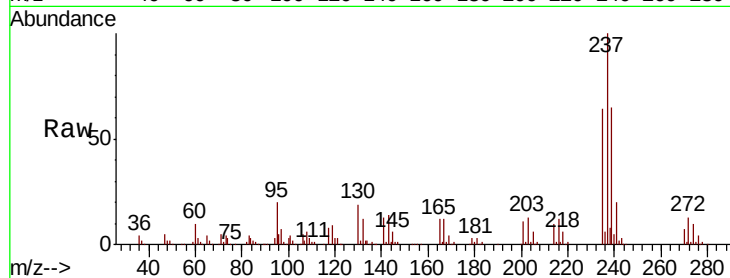
Tot Ion:237 Resp: 167932

Ion Ratio Lower Upper

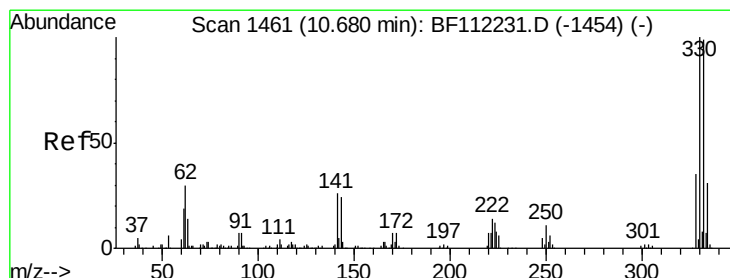
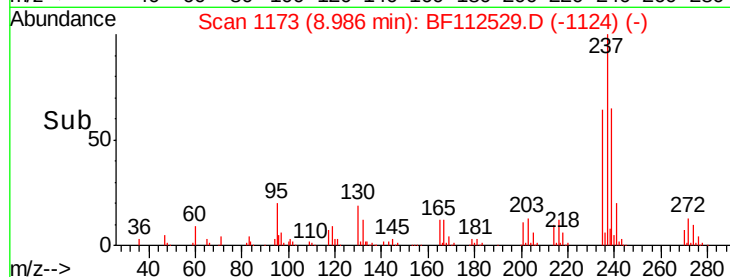
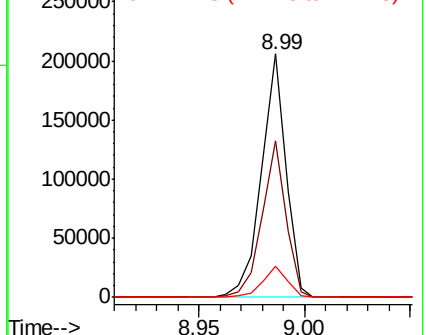
237 100

235 64.4 44.0 84.0

272 13.0 0.0 33.3



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: 141.062 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

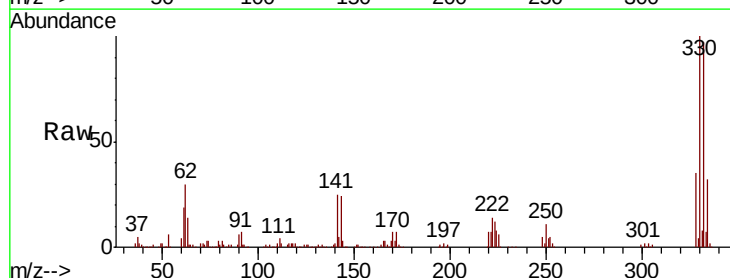
Tgt Ion:330 Resp: 374110

Ion Ratio Lower Upper

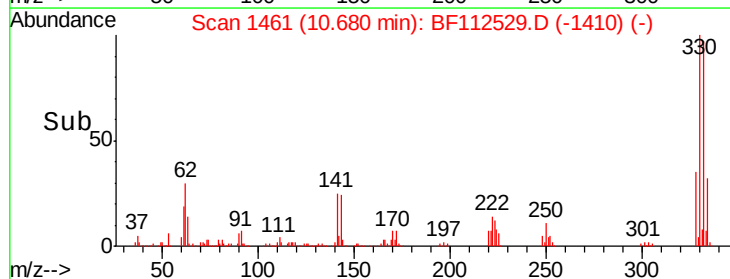
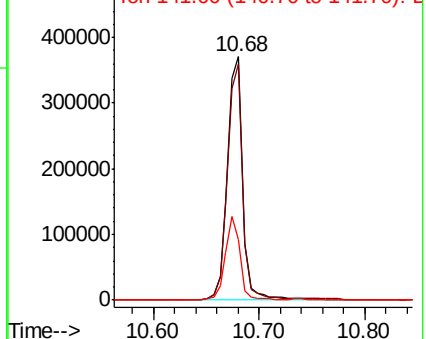
330 100

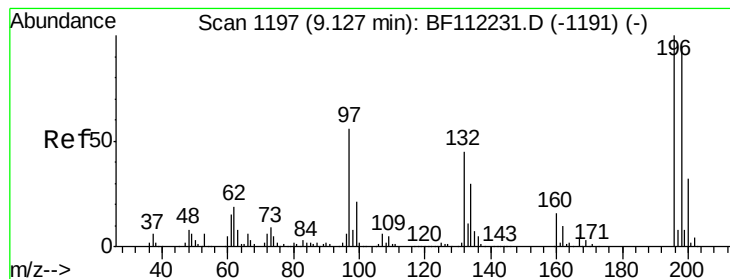
332 96.2 76.6 114.8

141 33.1 24.3 36.5



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: 39.481 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

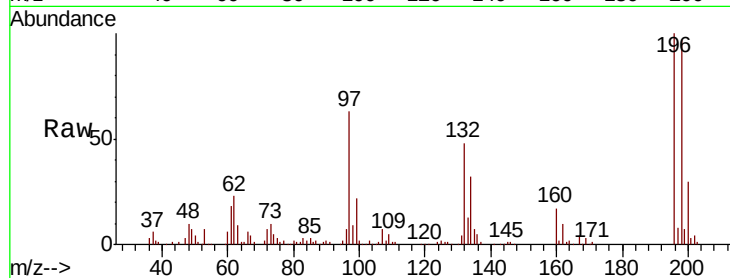
Tot Ion:196 Resp: 182061

Ion Ratio Lower Upper

196 100

198 97.5 76.2 114.4

200 30.2 24.3 36.5

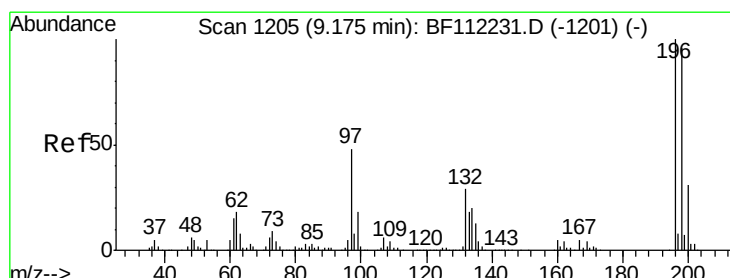
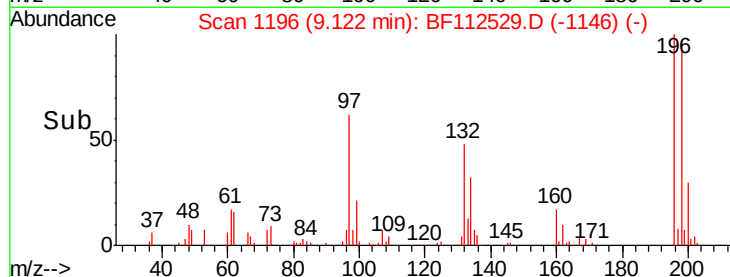
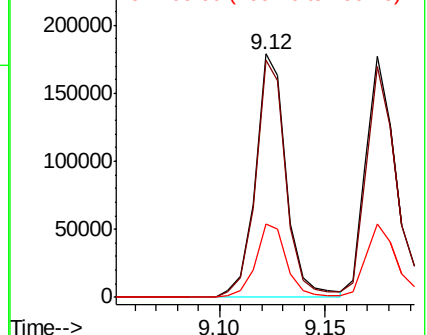


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 38.870 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Tgt Ion:196 Resp: 187333

Ion Ratio Lower Upper

196 100

198 95.8 76.0 114.0

97 52.6 36.4 54.6

132 30.9 21.5 32.3

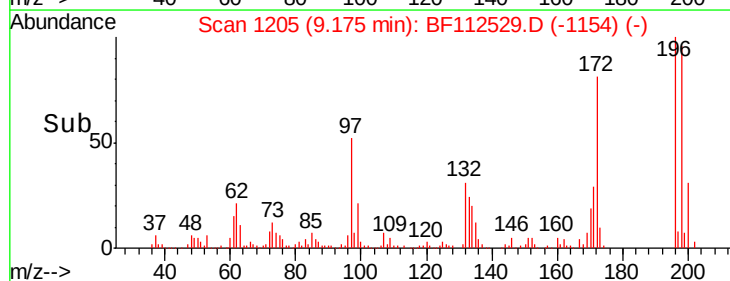
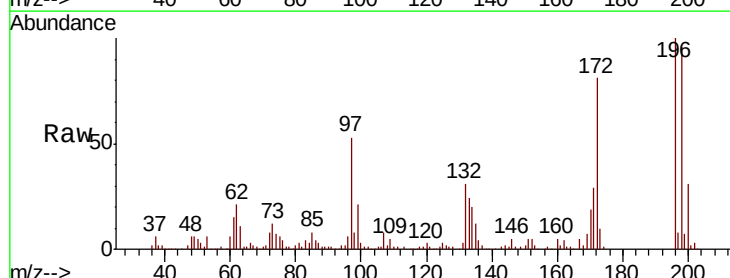
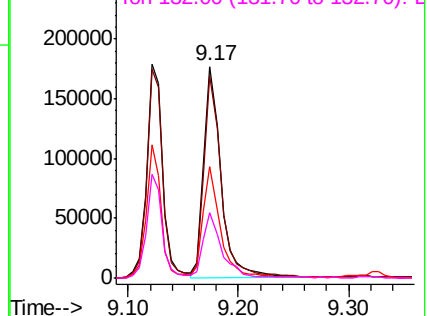
Abundance

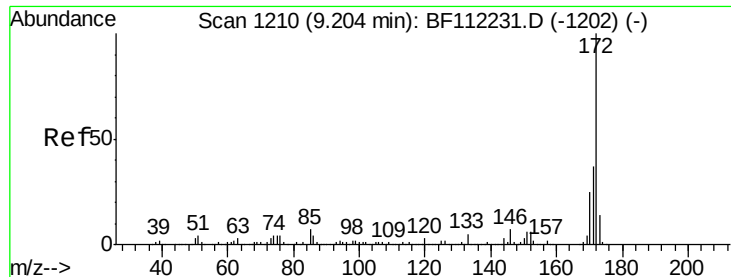
Ion 196.00 (195.70 to 196.70): E

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

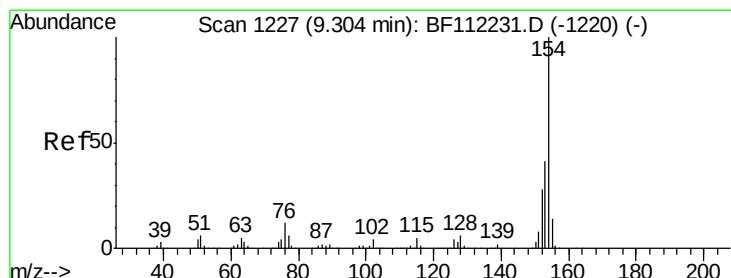
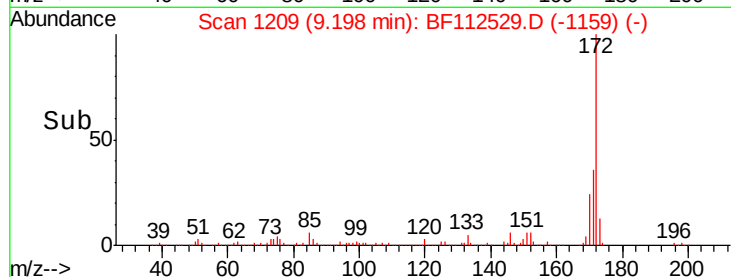
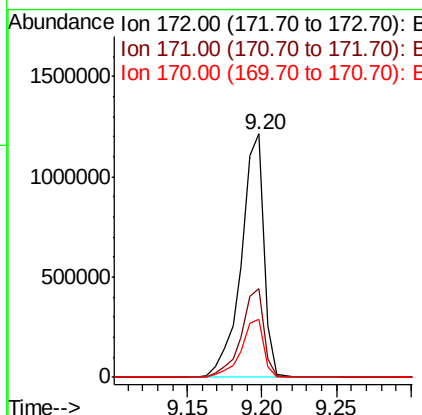
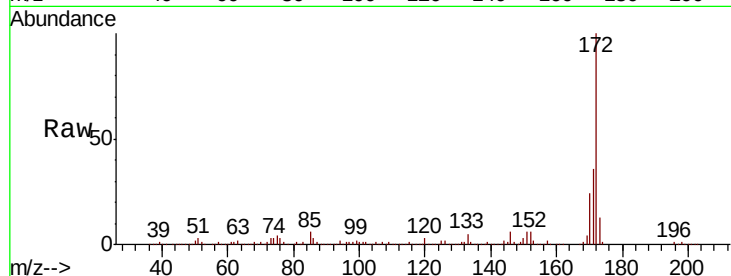




#45  
2-Fluorobiphenyl  
Concen: 79.333 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

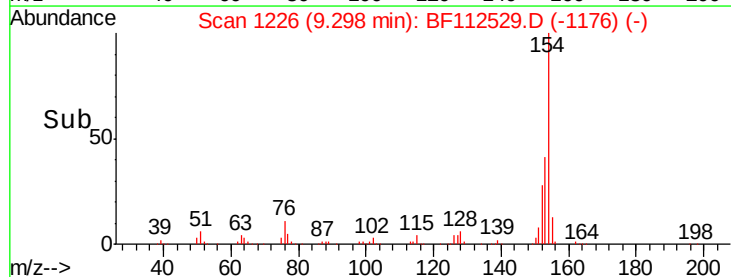
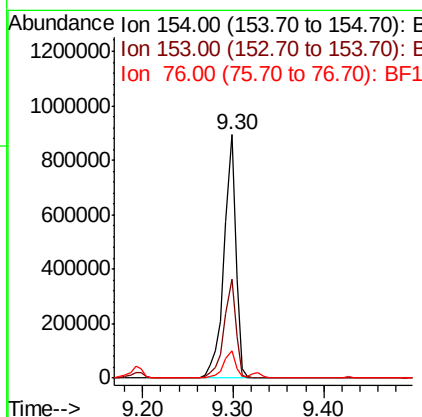
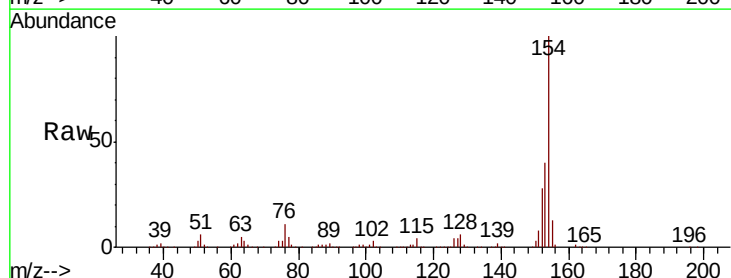
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

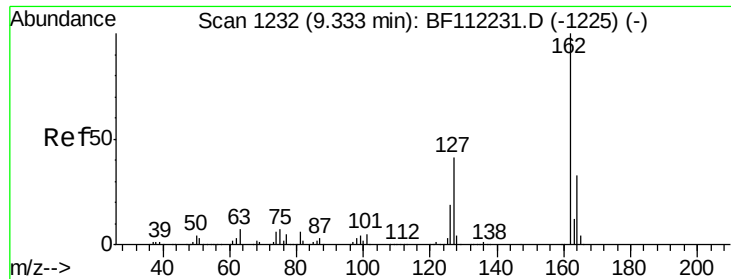
Tot Ion:172 Resp: 1278043  
Ion Ratio Lower Upper  
172 100  
171 36.4 30.5 45.7  
170 23.9 20.2 30.4



#46  
1,1'-Biphenyl  
Concen: 39.856 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion:154 Resp: 793903  
Ion Ratio Lower Upper  
154 100  
153 40.5 21.5 61.5  
76 11.1 0.0 33.1

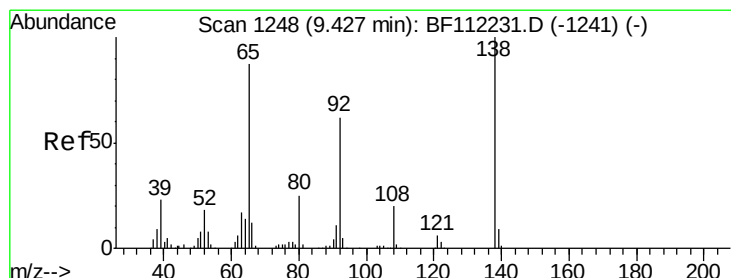
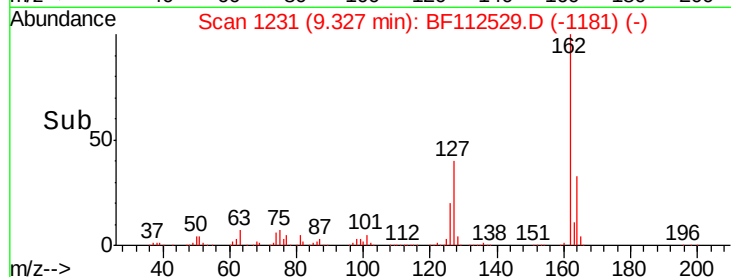
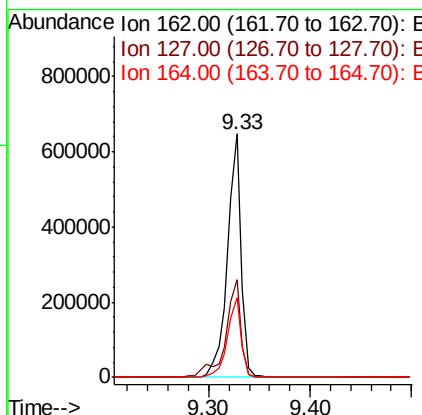
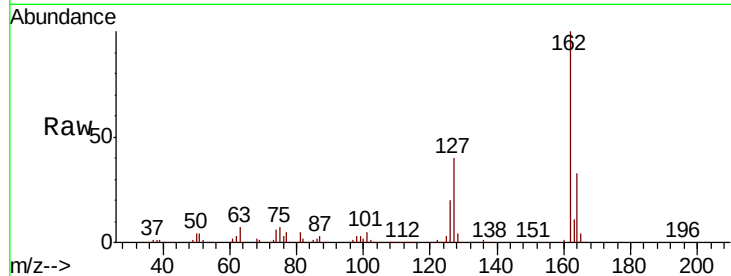




#47  
 2-Chloronaphthalene  
 Concen: 39.300 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

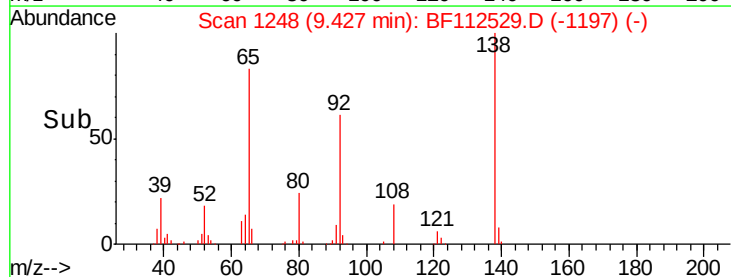
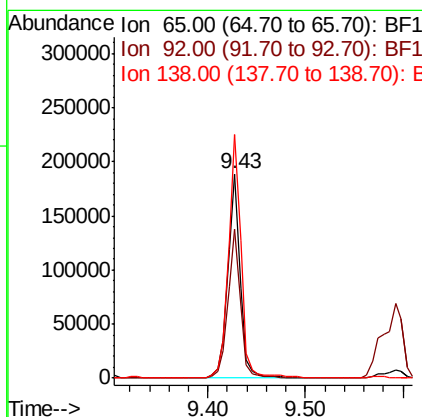
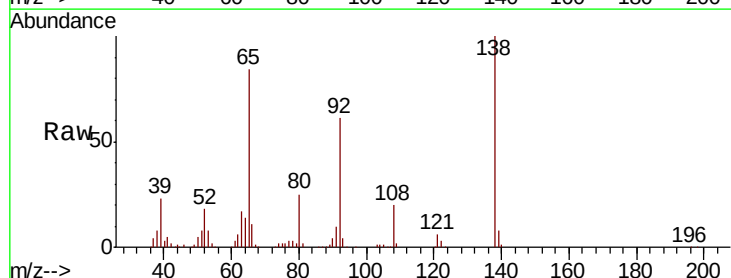
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

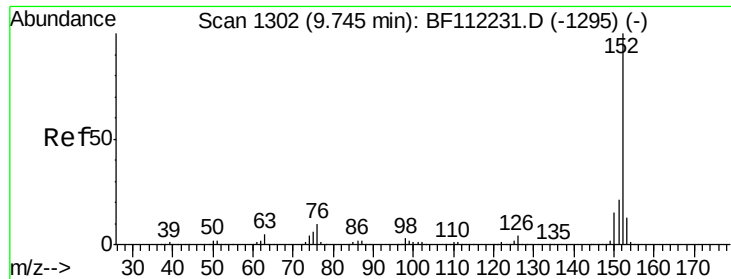
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.9  | 30.4  | 45.6  |
| 164     | 32.6  | 27.4  | 41.2  |



#48  
 2-Nitroaniline  
 Concen: 39.887 ng  
 RT: 9.43 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.3  | 60.4  | 90.6  |
| 138     | 119.4 | 104.4 | 156.6 |





#49

Acenaphthylene

Concen: 42.767 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

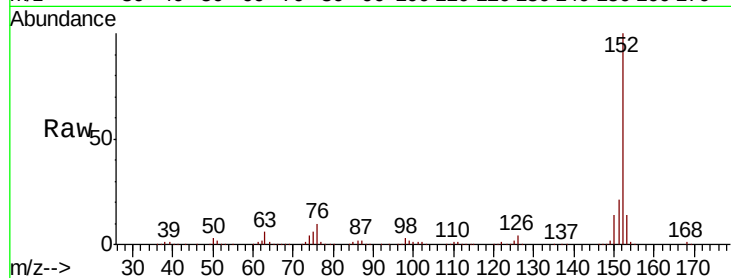
Tot Ion:152 Resp: 968267

Ion Ratio Lower Upper

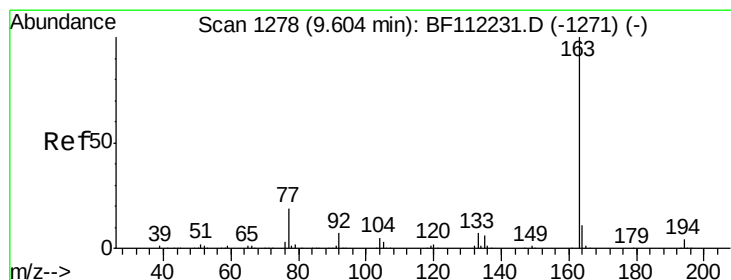
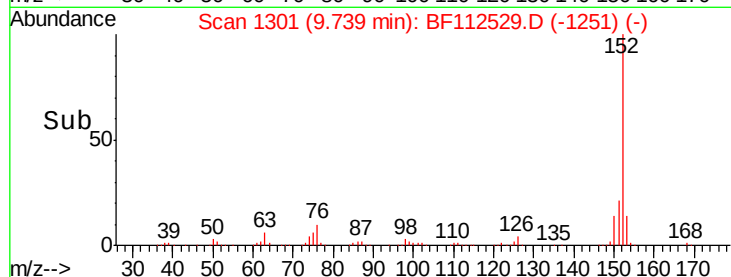
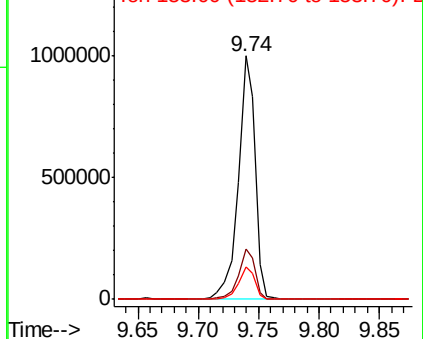
152 100

151 20.7 17.0 25.6

153 13.5 11.2 16.8



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



#50

Dimethylphthalate

Concen: 40.277 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

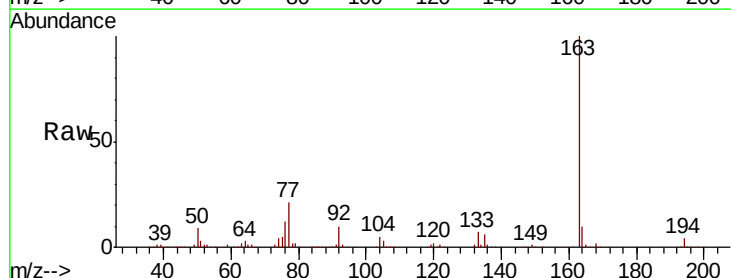
Tgt Ion:163 Resp: 713014

Ion Ratio Lower Upper

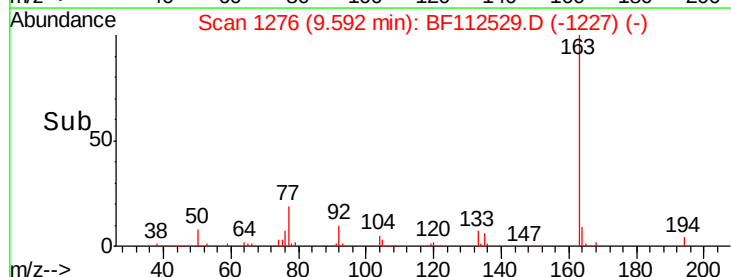
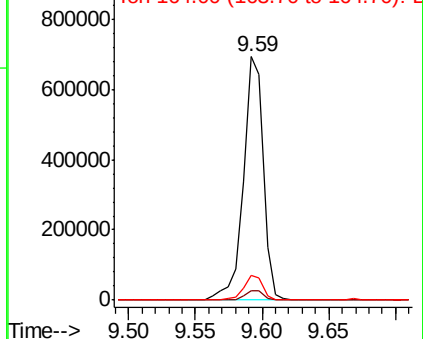
163 100

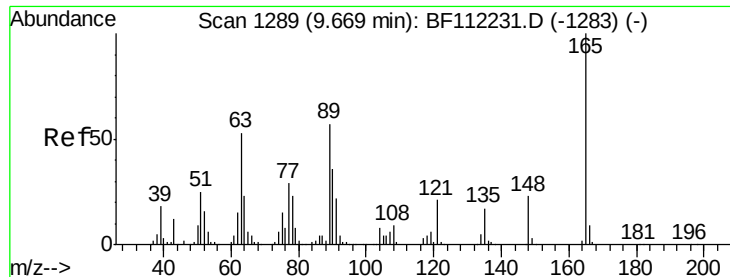
194 3.9 3.3 4.9

164 10.4 8.5 12.7



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

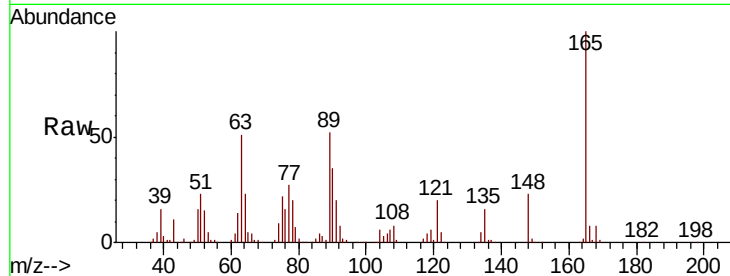




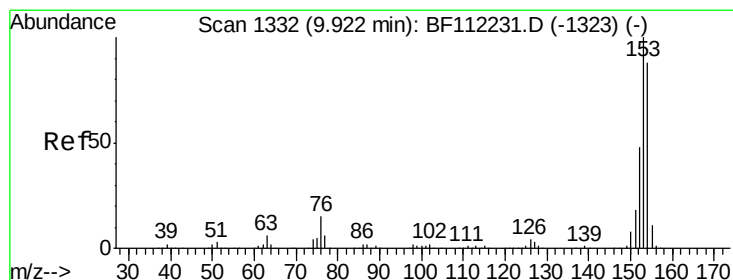
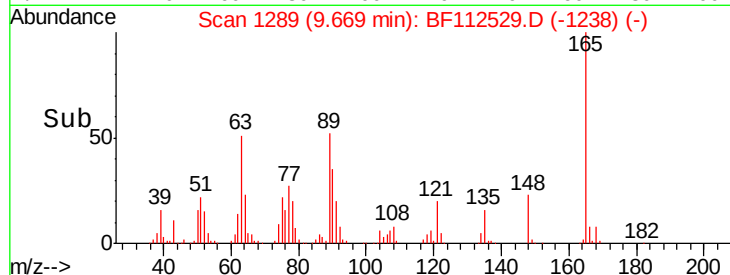
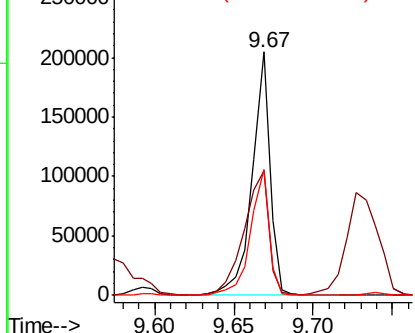
#51  
 2,6-Dinitrotoluene  
 Concen: 40.559 ng  
 RT: 9.67 min Scan# 1289  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

Tot Ion:165 Resp: 160804  
 Ion Ratio Lower Upper  
 165 100  
 63 51.1 33.8 50.8#  
 89 51.6 36.9 55.3

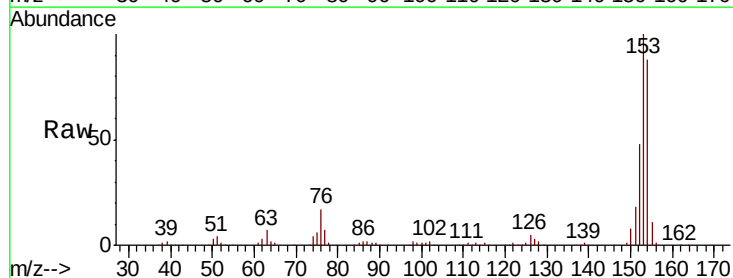


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

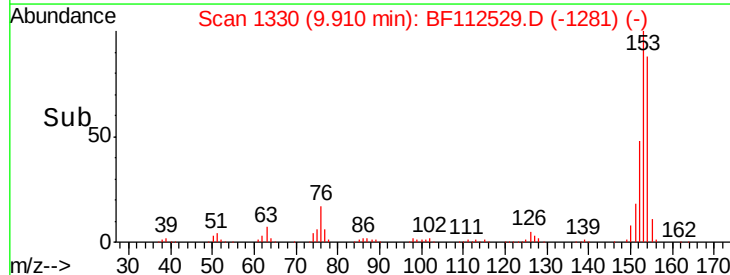
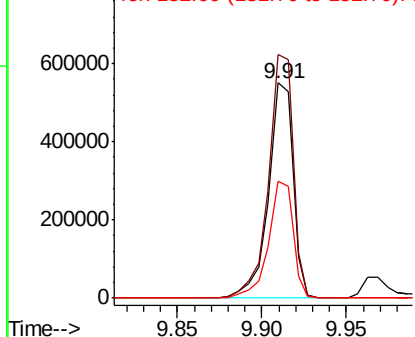


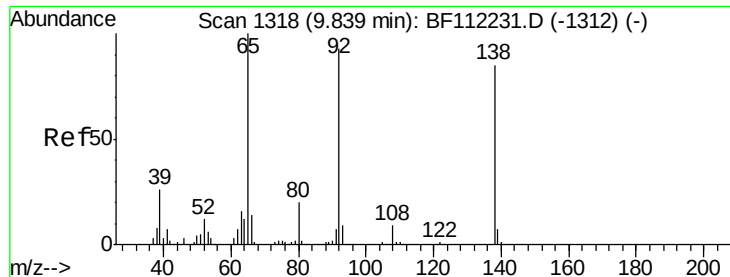
#52  
 Acenaphthene  
 Concen: 40.970 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Tgt Ion:154 Resp: 554111  
 Ion Ratio Lower Upper  
 154 100  
 153 113.2 89.8 134.6  
 152 54.5 43.5 65.3



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

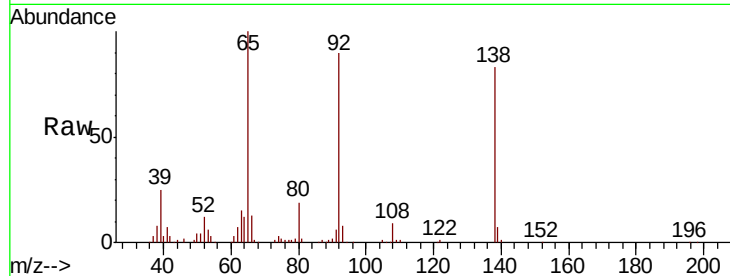




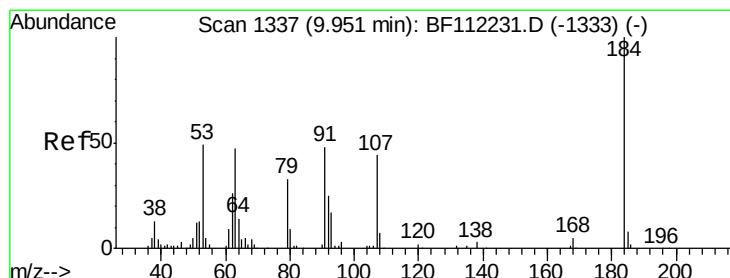
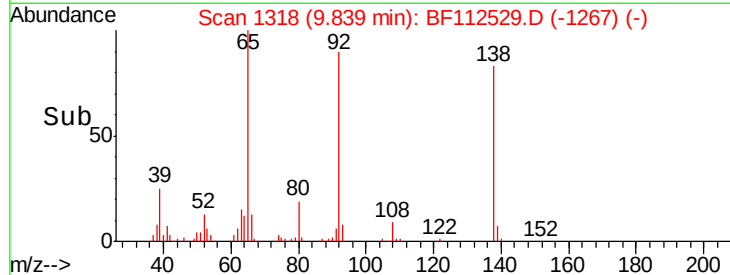
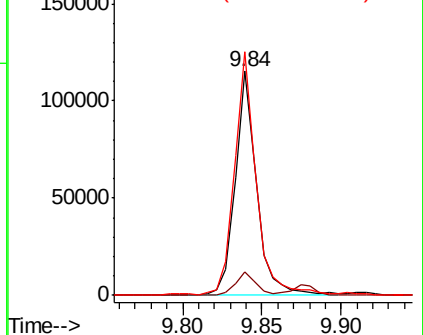
#53  
3-Nitroaniline  
Concen: 25.392 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

Tot Ion:138 Resp: 109067  
Ion Ratio Lower Upper  
138 100  
108 10.5 9.8 14.6  
92 108.6 79.4 119.2

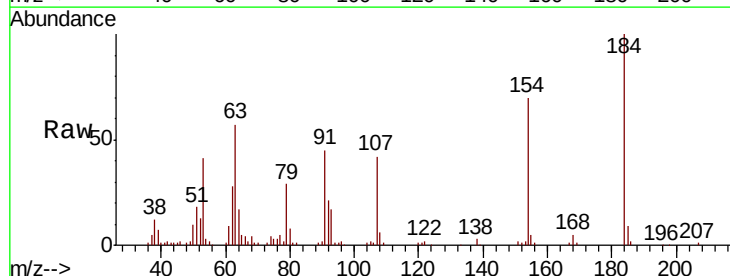


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

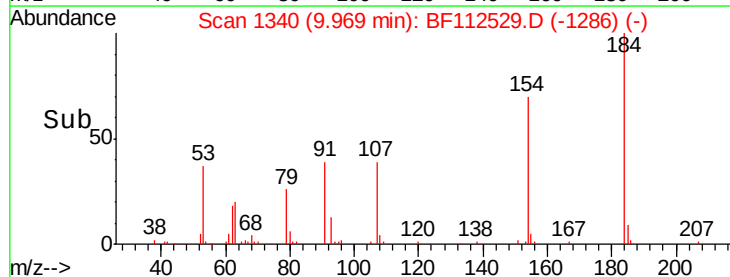
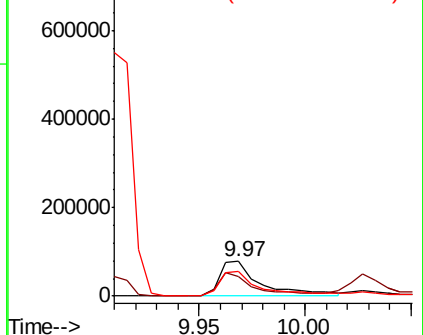


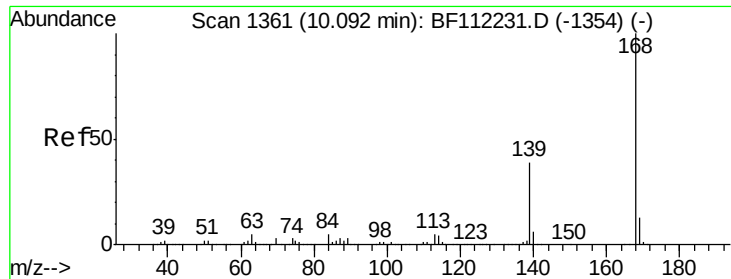
#54  
2,4-Dinitrophenol  
Concen: 83.494 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.02 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion:184 Resp: 106237  
Ion Ratio Lower Upper  
184 100  
63 56.7 47.1 70.7  
154 69.8 48.9 73.3



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

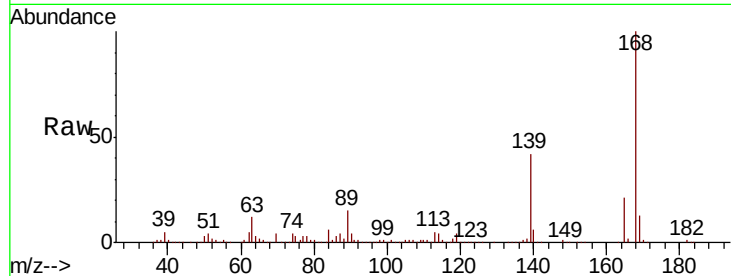




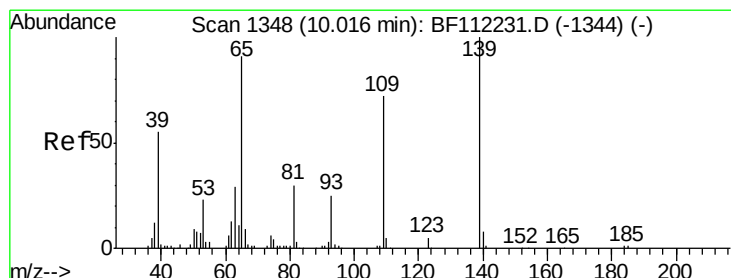
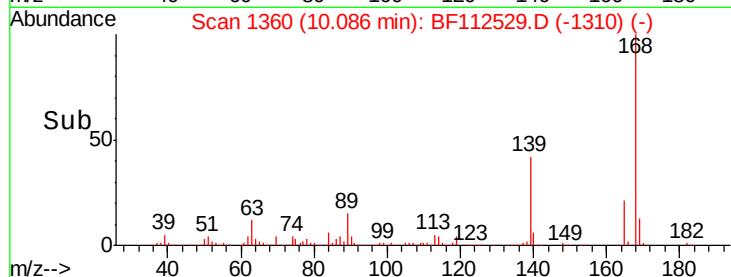
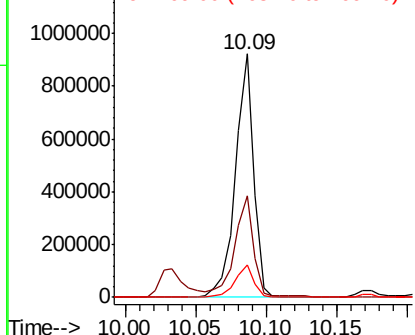
#55  
Dibenzofuran  
Concen: 40.099 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

Tot Ion:168 Resp: 828777  
Ion Ratio Lower Upper  
168 100  
139 41.7 29.2 43.8  
169 13.2 11.4 17.0

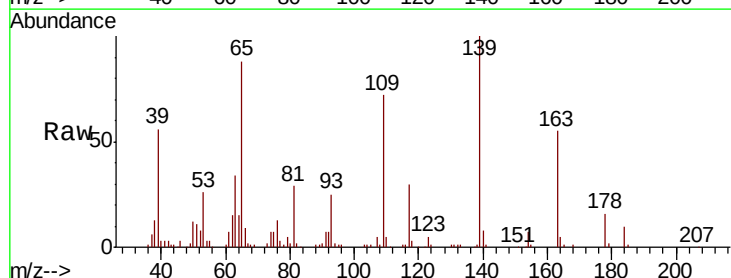


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

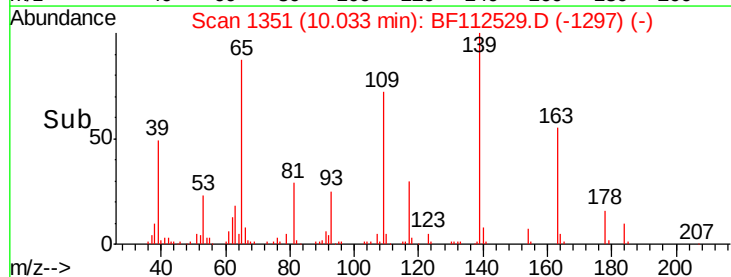
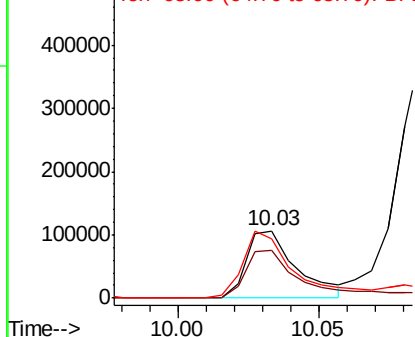


#56  
4-Nitrophenol  
Concen: 57.920 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.02 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

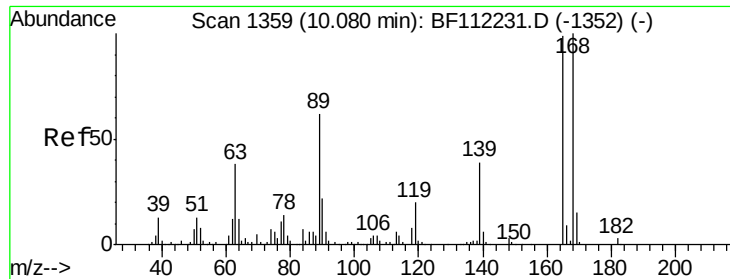
Tgt Ion:139 Resp: 131528  
Ion Ratio Lower Upper  
139 100  
109 71.8 42.8 82.8  
65 88.1 66.1 106.1



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: 41.207 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

Tot Ion:165 Resp: 207987

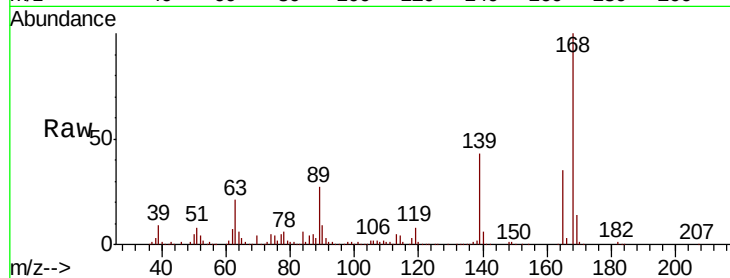
Ion Ratio Lower Upper

165 100

63 59.9 27.9 41.9#

89 76.8 47.9 71.9#

182 2.8 2.2 3.4

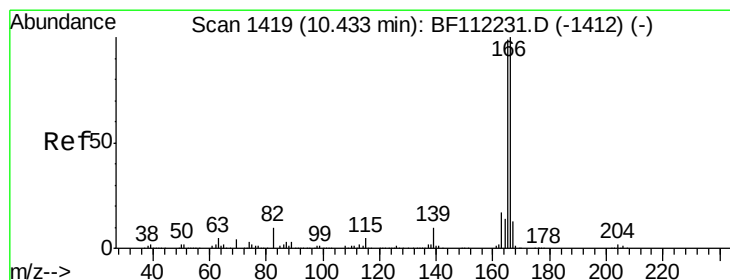
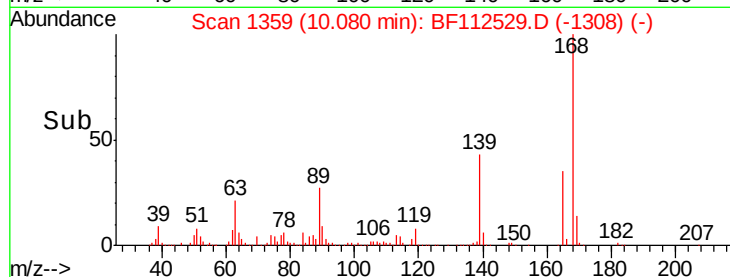
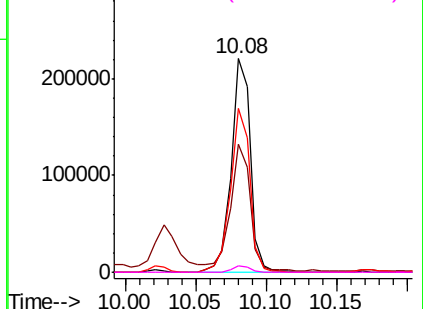


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.251 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

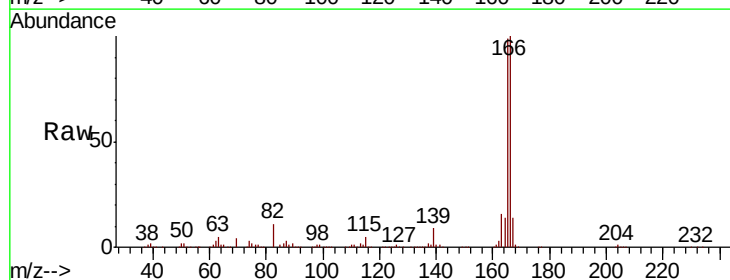
Tgt Ion:166 Resp: 684398

Ion Ratio Lower Upper

166 100

165 98.9 77.1 115.7

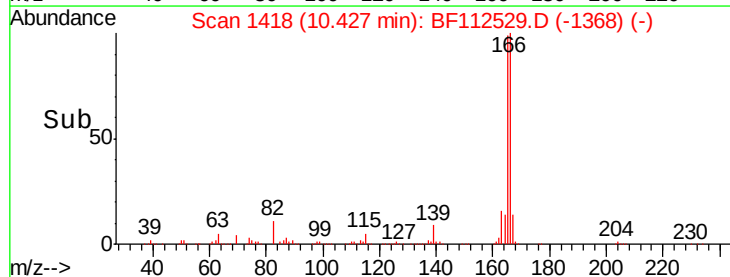
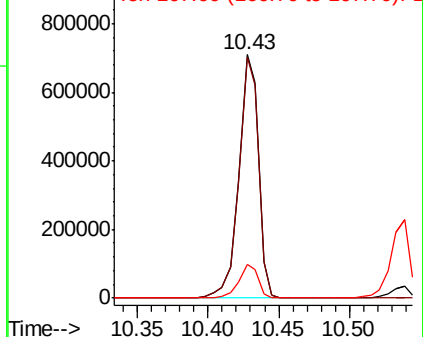
167 13.6 11.3 16.9

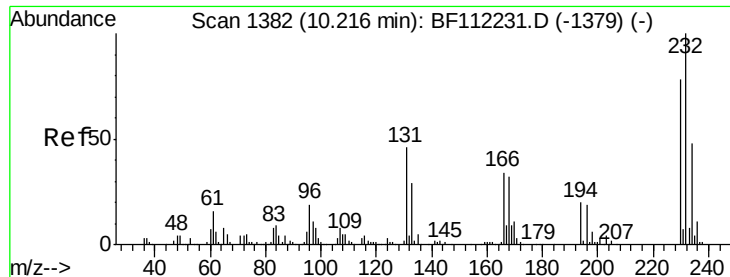


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

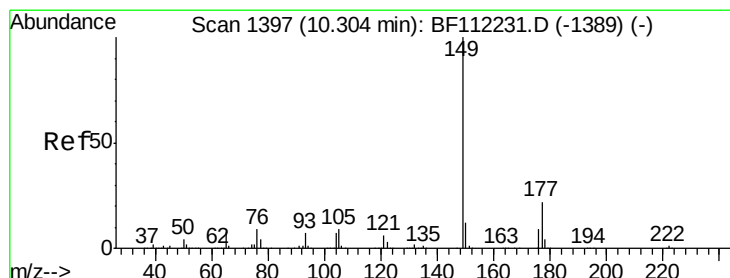
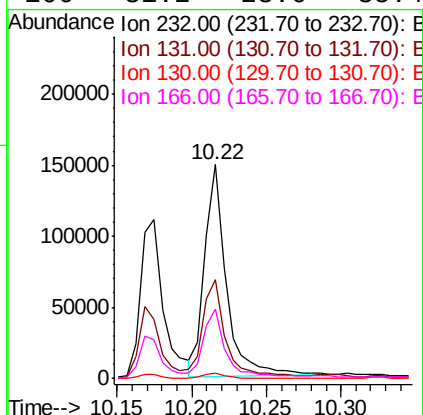
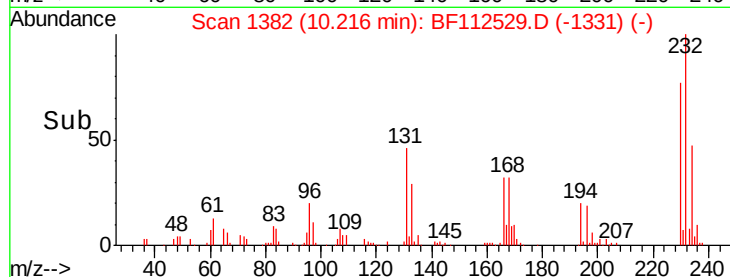
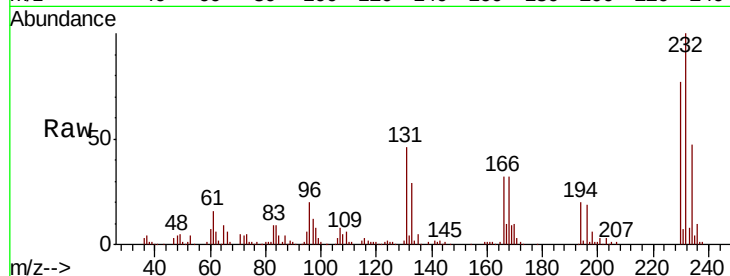




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.204 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

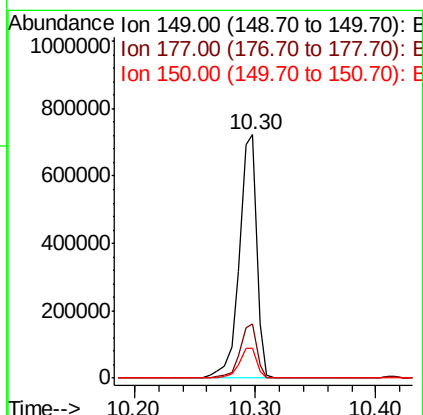
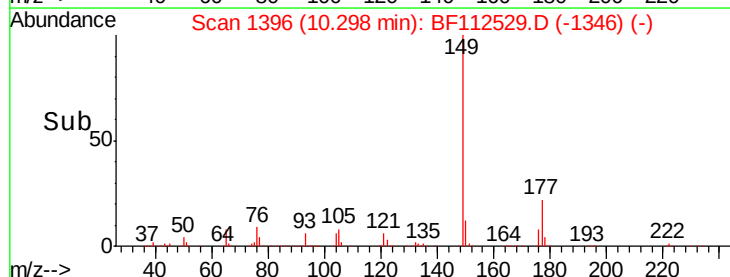
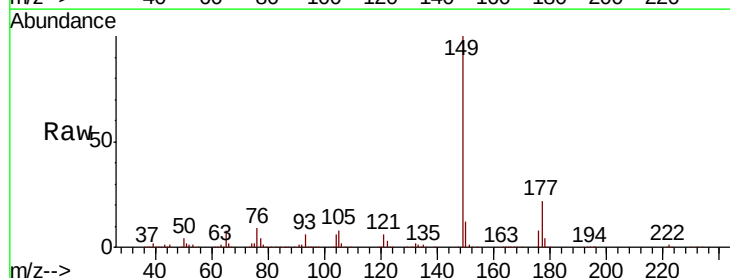
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

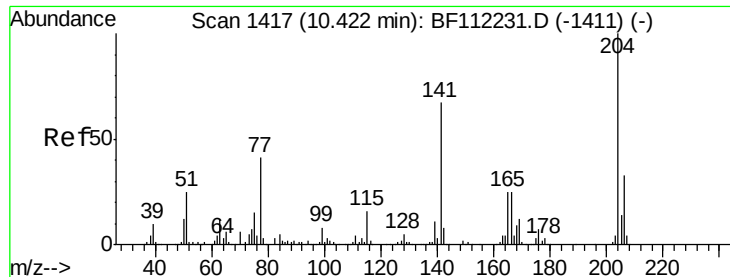
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 150071 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 46.9  | 33.9  | 50.9   |
| 130      | 2.5   | 1.8   | 2.6    |
| 166      | 31.2  | 23.6  | 35.4   |



#60  
Diethylphthalate  
Concen: 41.394 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 727210 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 22.1  | 18.2  | 27.2   |
| 150      | 12.1  | 10.4  | 15.6   |

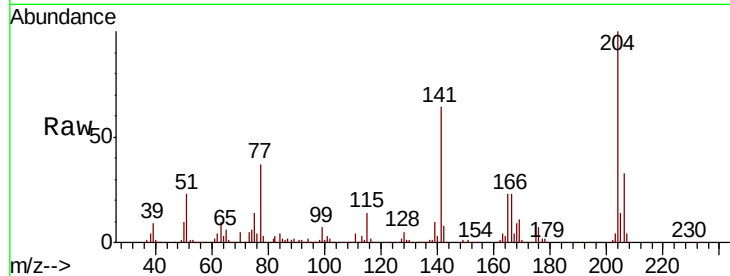




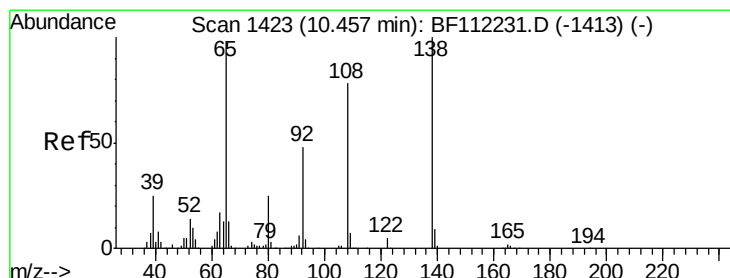
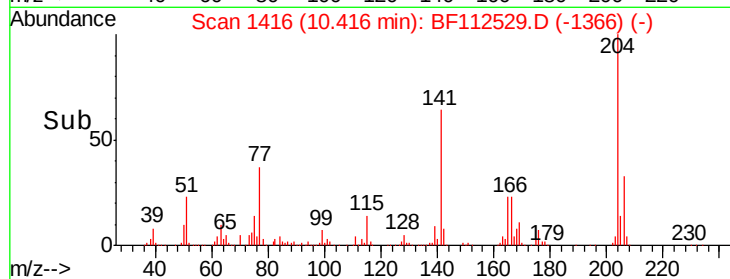
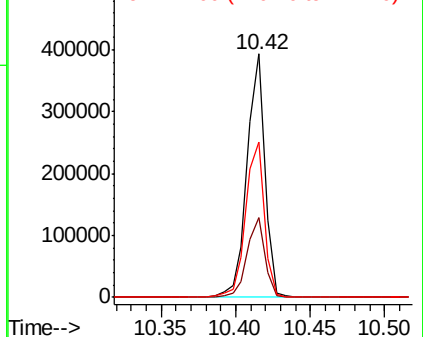
#61  
4-Chlorophenyl-phenylether  
Concen: 38.988 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.9  | 26.5  | 39.7  |
| 141     | 63.7  | 45.9  | 68.9  |

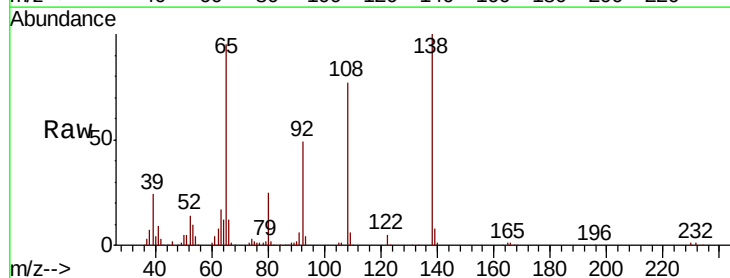


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

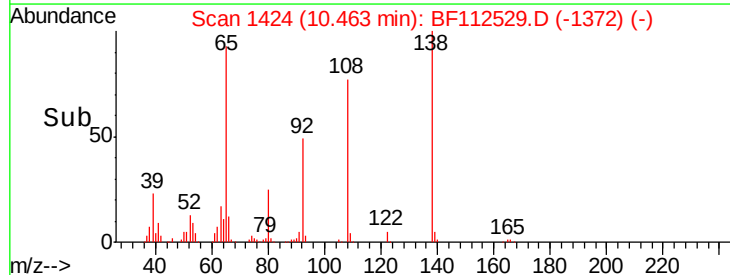
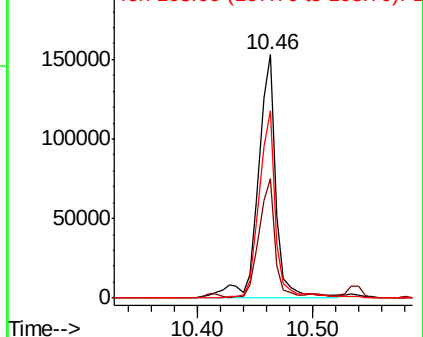


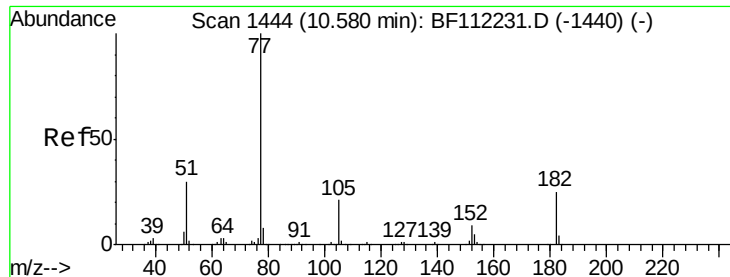
#62  
4-Nitroaniline  
Concen: 39.557 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. 0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.1  | 30.6  | 70.6  |
| 108     | 76.8  | 50.0  | 90.0  |



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

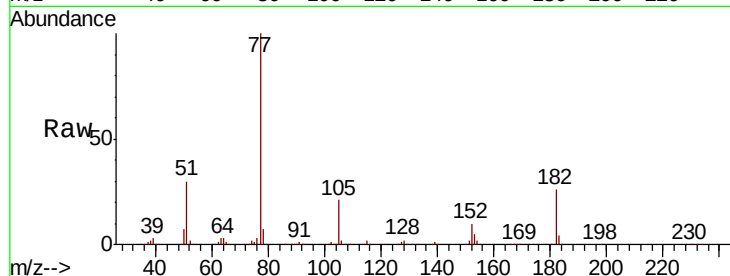




#63  
Azobenzene  
Concen: 41.104 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 25.7  | 5.7   | 45.7  |
| 105     | 21.1  | 1.4   | 41.4  |
| 51      | 30.2  | 9.5   | 49.5  |



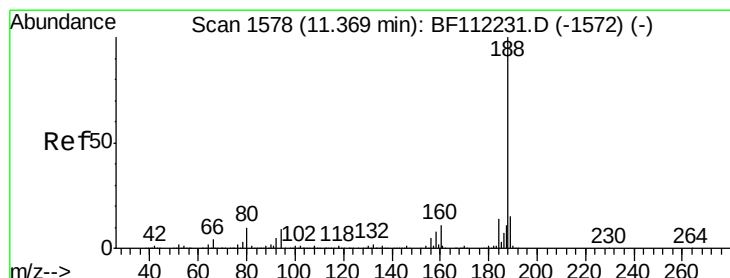
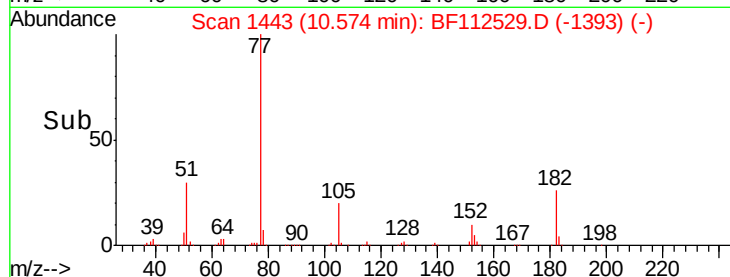
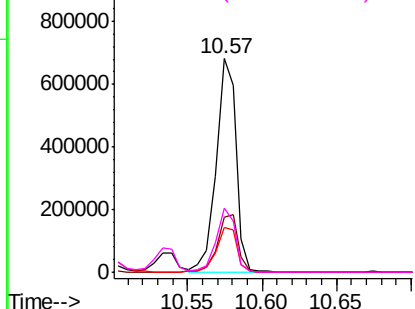
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

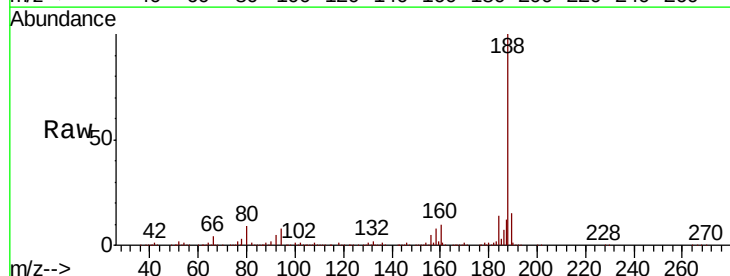
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 8.2   | 12.2# |
| 80      | 9.2   | 8.9   | 13.3  |

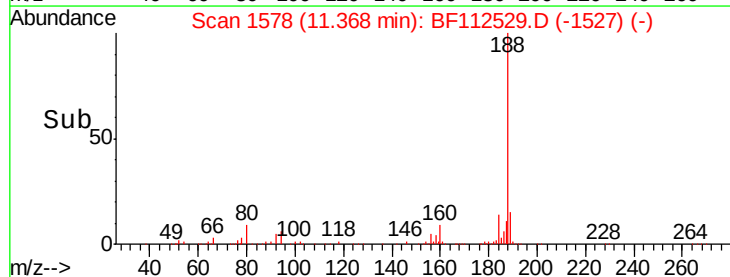
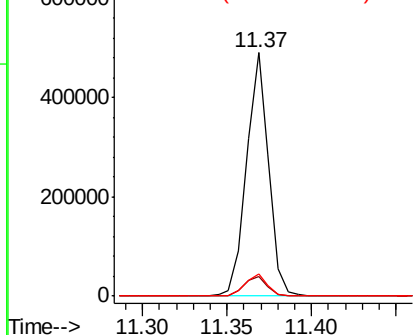


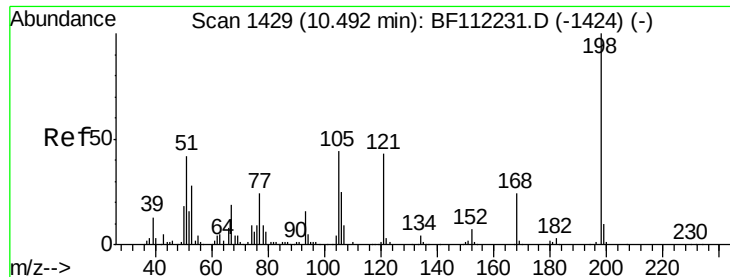
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

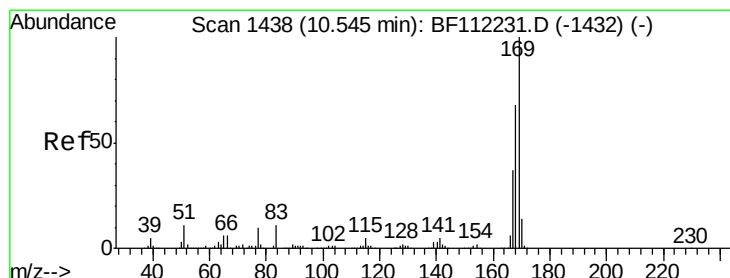
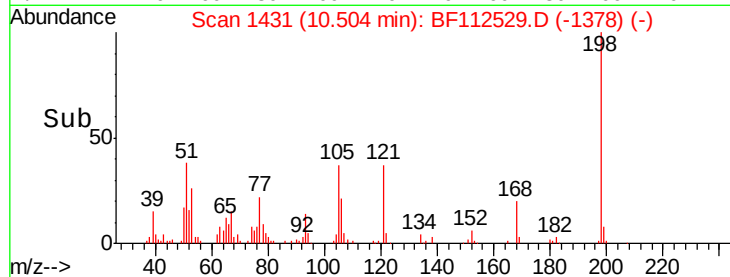
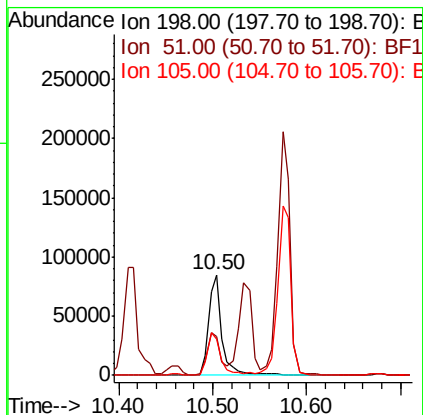
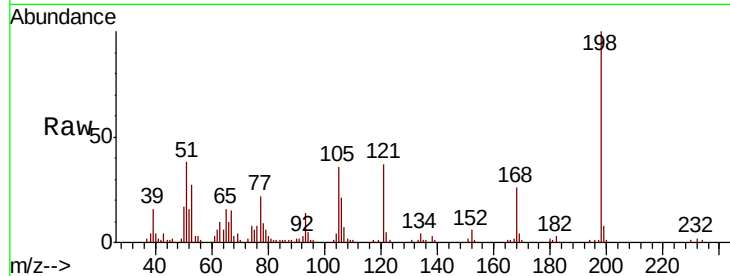




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 34.071 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. 0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

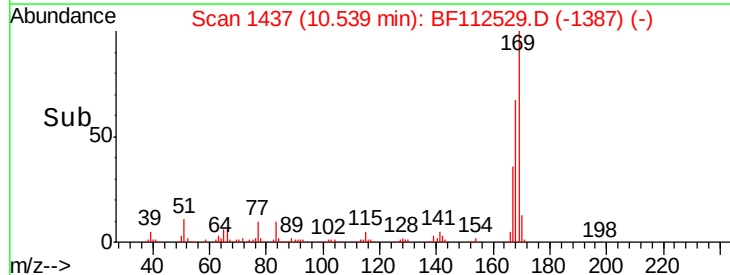
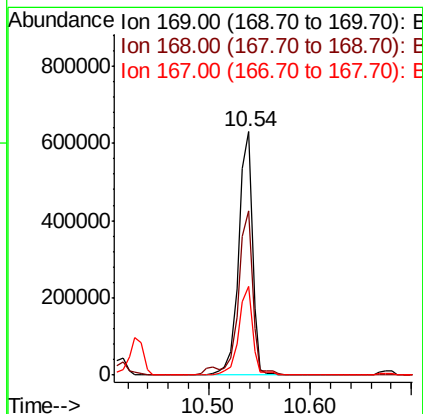
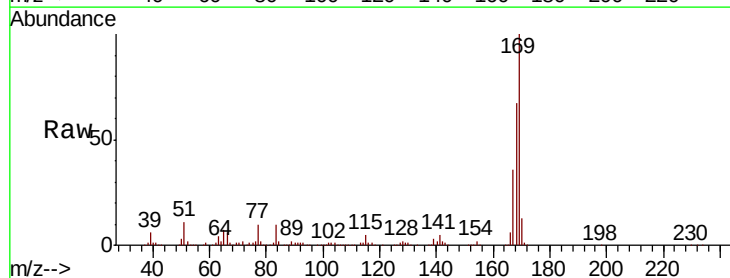
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

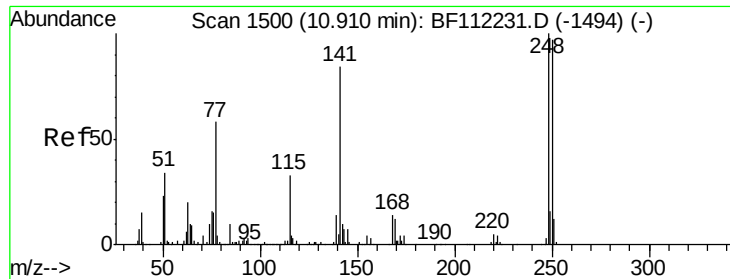
Tot Ion:198 Resp: 85485  
 Ion Ratio Lower Upper  
 198 100  
 51 38.2 17.2 57.2  
 105 36.4 21.9 61.9



#66  
 n-Nitrosodiphenylamine  
 Concen: 39.523 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Tgt Ion:169 Resp: 596107  
 Ion Ratio Lower Upper  
 169 100  
 168 67.3 53.9 80.9  
 167 36.5 28.9 43.3

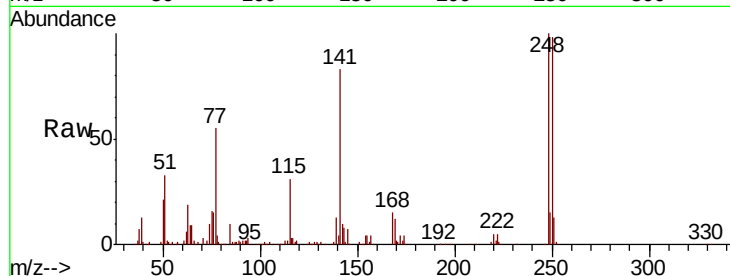




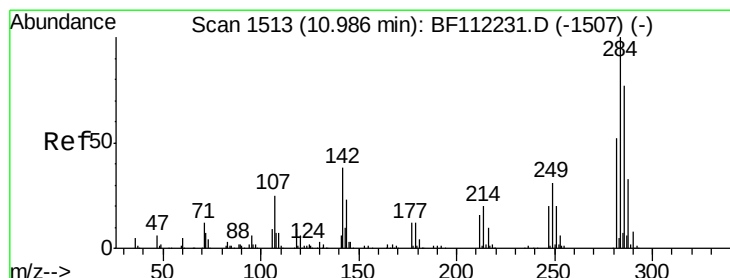
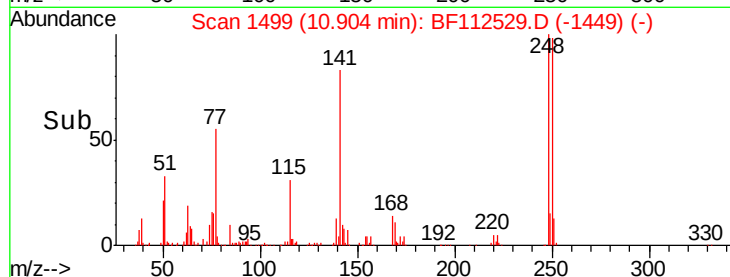
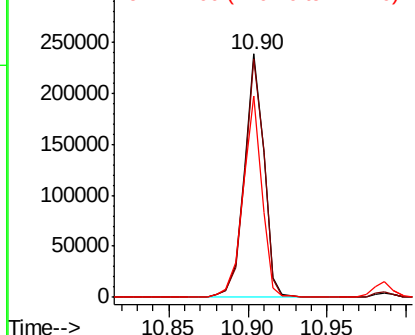
#67  
4-Bromophenyl-phenylether  
Concen: 38.551 ng  
RT: 10.90 min Scan# 1499  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

Tot Ion:248 Resp: 202909  
Ion Ratio Lower Upper  
248 100  
250 98.1 79.7 119.5  
141 82.9 60.3 90.5

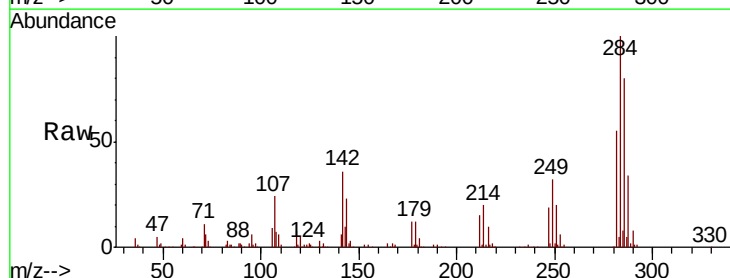


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

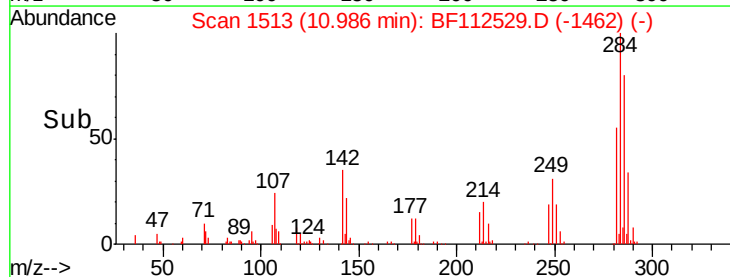
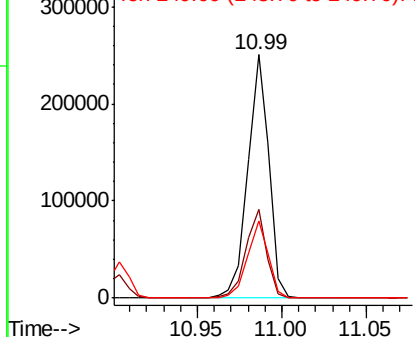


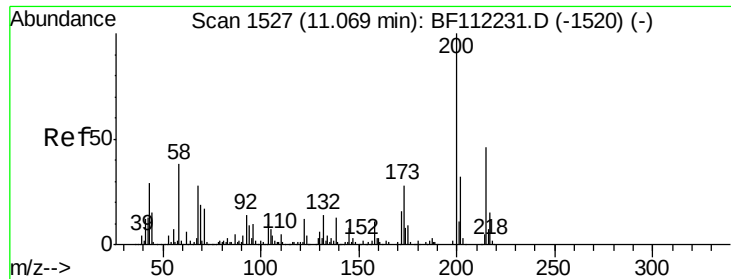
#68  
Hexachlorobenzene  
Concen: 38.925 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion:284 Resp: 219812  
Ion Ratio Lower Upper  
284 100  
142 36.4 27.6 41.4  
249 31.8 24.1 36.1



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

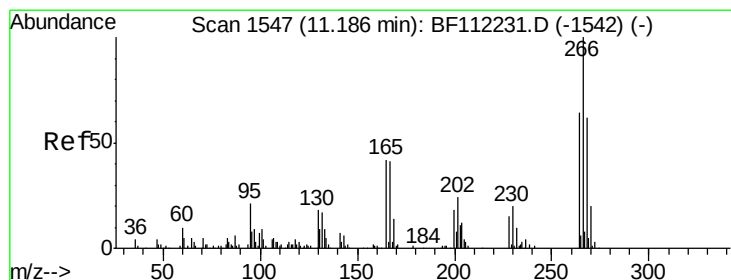
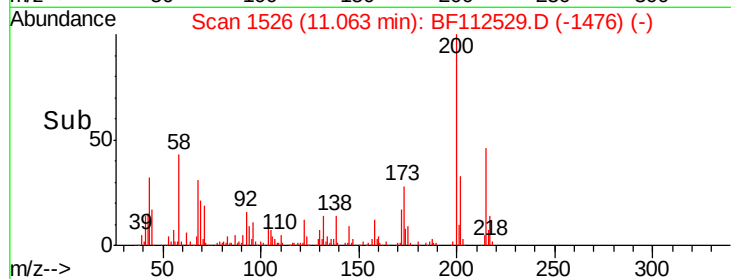
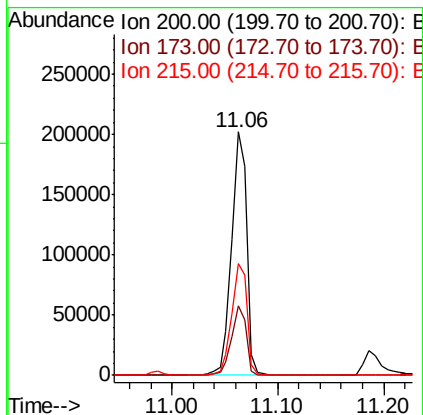
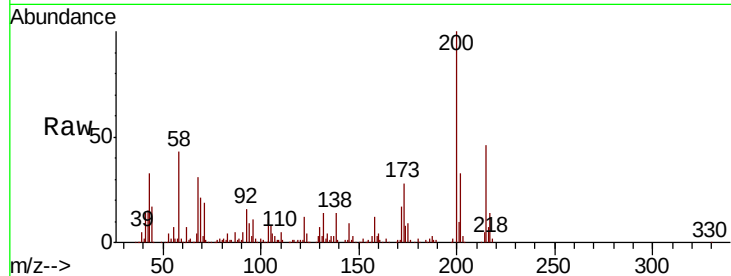




#69  
Atrazine  
Concen: 40.840 ng  
RT: 11.06 min Scan# 1526  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

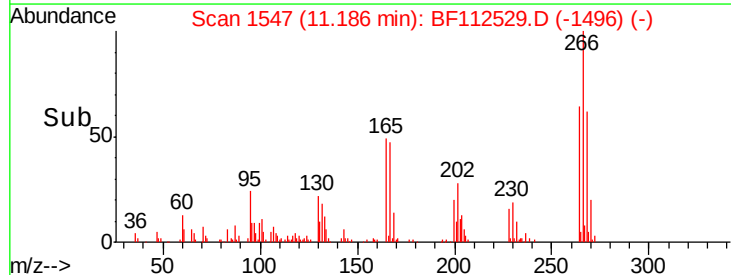
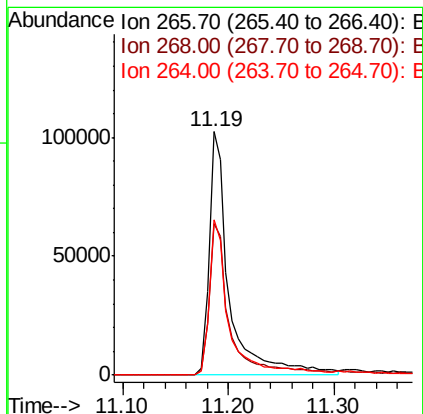
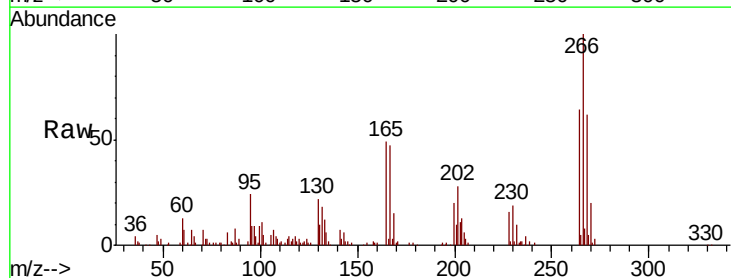
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

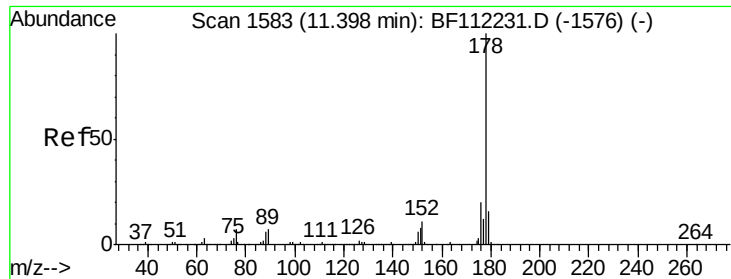
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.5  | 7.1   | 47.1  |
| 215     | 46.2  | 30.4  | 70.4  |



#70  
Pentachlorophenol  
Concen: 62.493 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.00 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.4  | 51.2  | 76.8  |
| 264     | 64.0  | 50.9  | 76.3  |

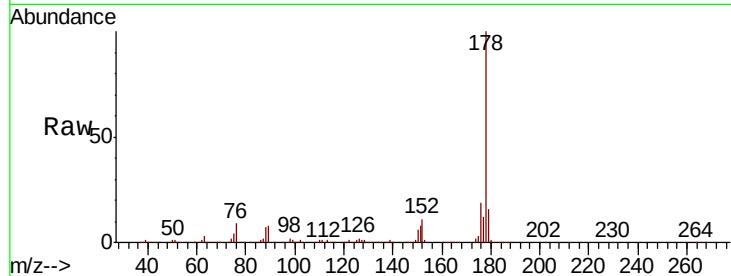




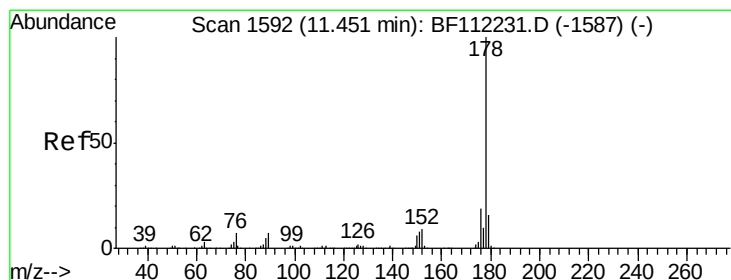
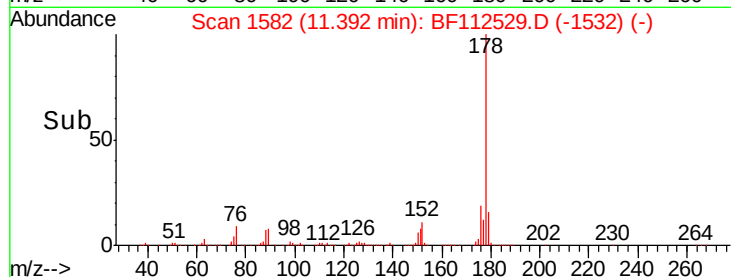
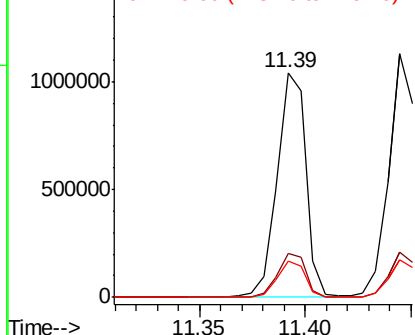
#71  
Phenanthrene  
Concen: 42.474 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

Tot Ion:178 Resp: 988190  
Ion Ratio Lower Upper  
178 100  
176 19.3 16.3 24.5  
179 15.9 13.0 19.4

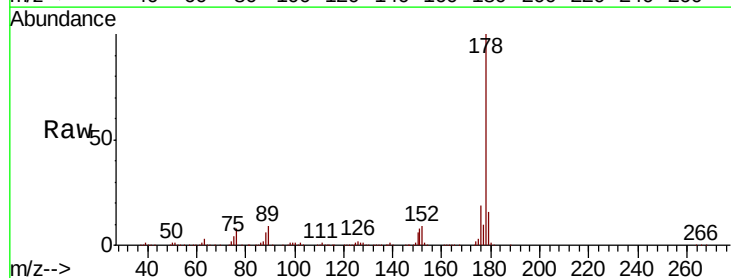


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

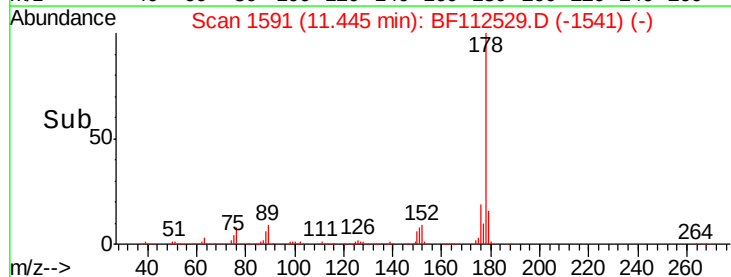
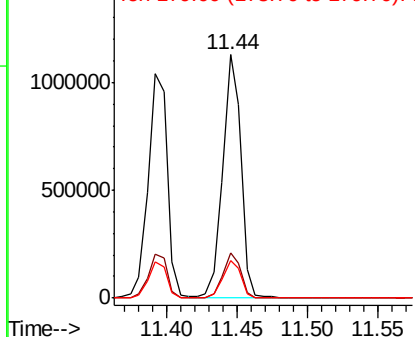


#72  
Anthracene  
Concen: 43.803 ng  
RT: 11.44 min Scan# 1591  
Delta R.T. -0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

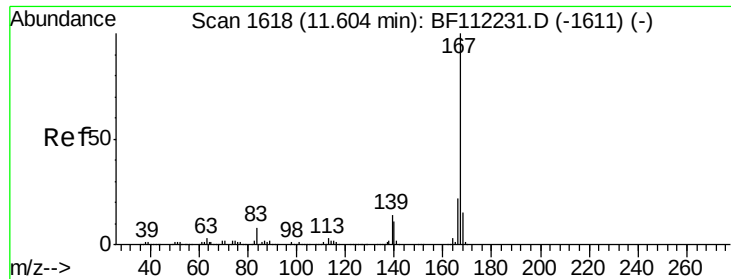
Tgt Ion:178 Resp: 1015153  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.5 23.3  
179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



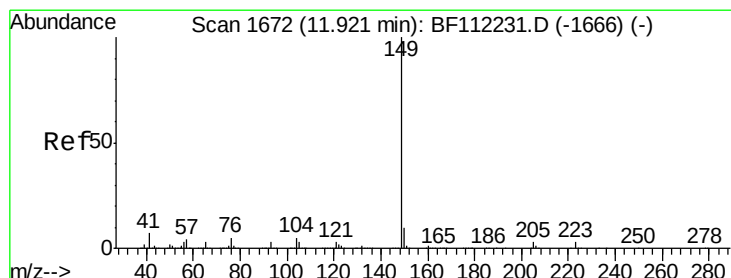
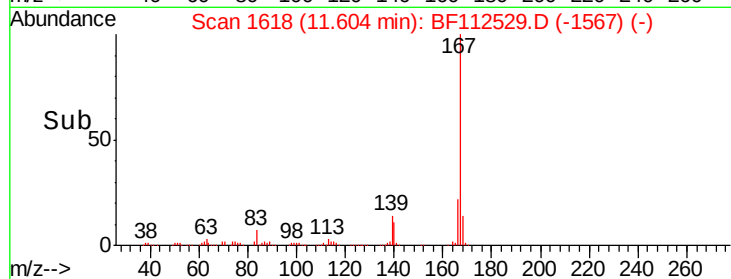
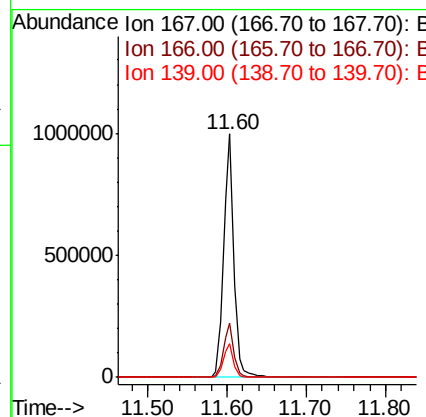
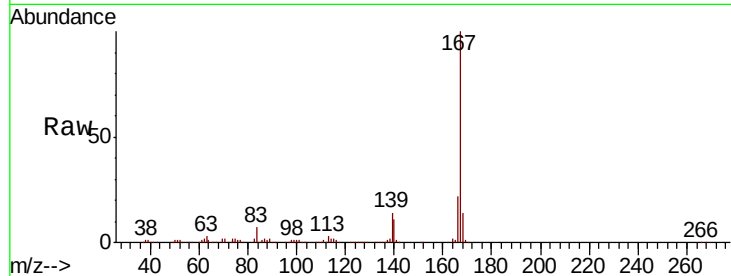




#73  
 Carbazole  
 Concen: 39.044 ng  
 RT: 11.60 min Scan# 1618  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

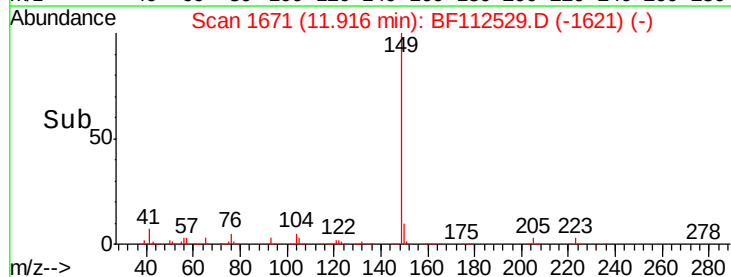
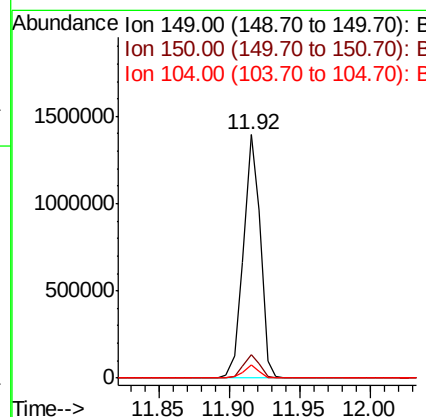
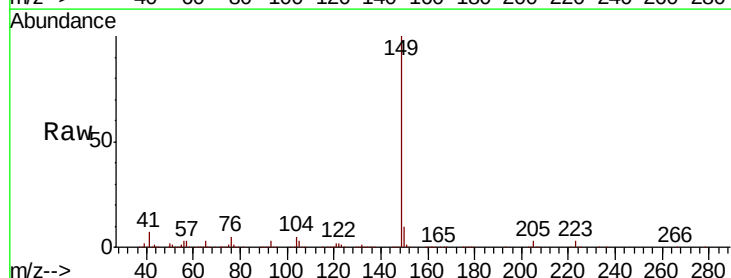
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

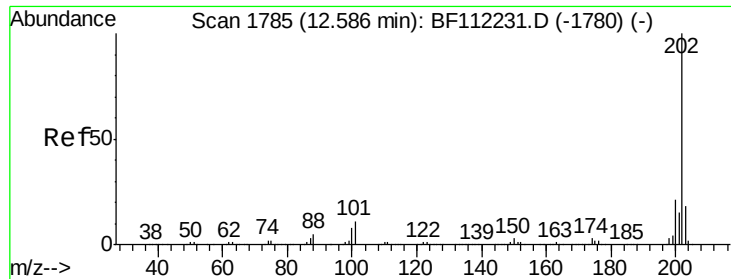
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 17.9  | 26.9  |
| 139     | 13.8  | 10.2  | 15.2  |



#74  
 Di-n-butylphthalate  
 Concen: 40.868 ng  
 RT: 11.92 min Scan# 1671  
 Delta R.T. -0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.5   | 8.1   | 12.1  |
| 104     | 5.2   | 3.9   | 5.9   |

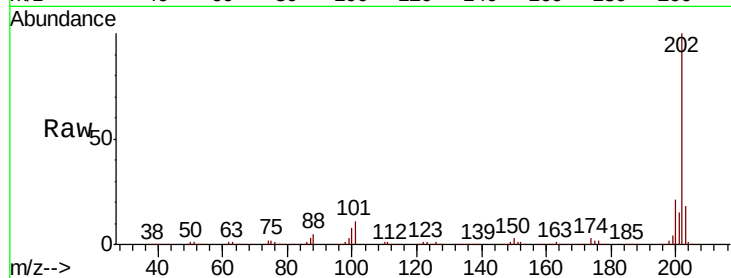




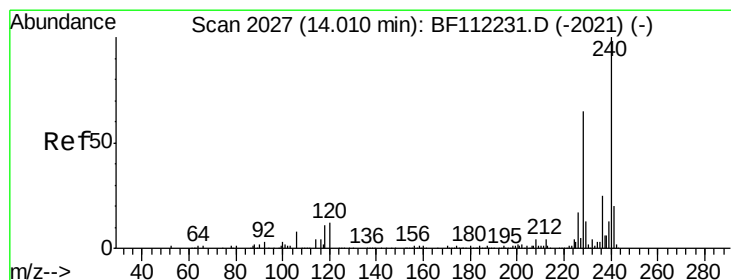
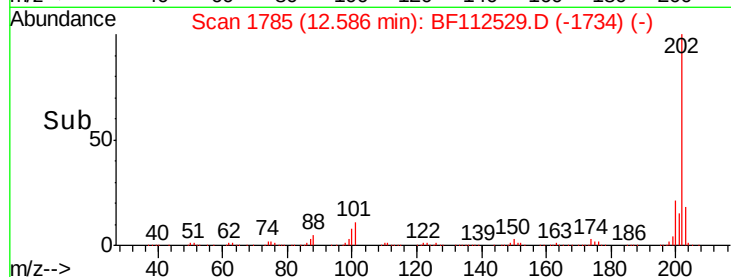
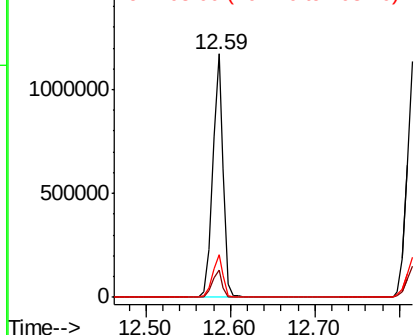
#75  
 Fluoranthene  
 Concen: 41.368 ng  
 RT: 12.59 min Scan# 1785  
 Delta R.T. -0.00 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117061BS

Tot Ion:202 Resp: 1032288  
 Ion Ratio Lower Upper  
 202 100  
 101 11.1 0.0 31.8  
 203 17.5 0.0 38.4

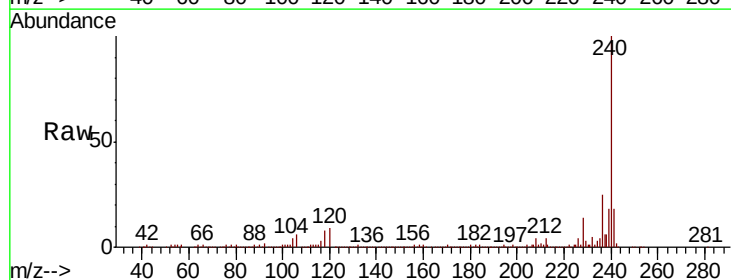


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

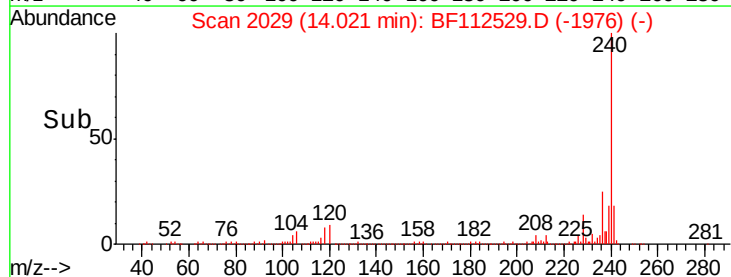
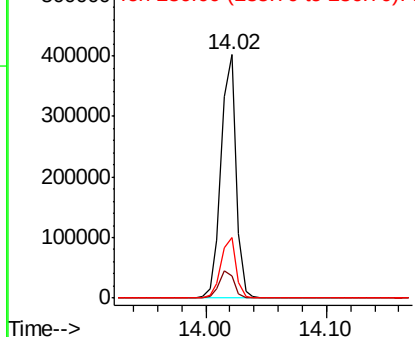


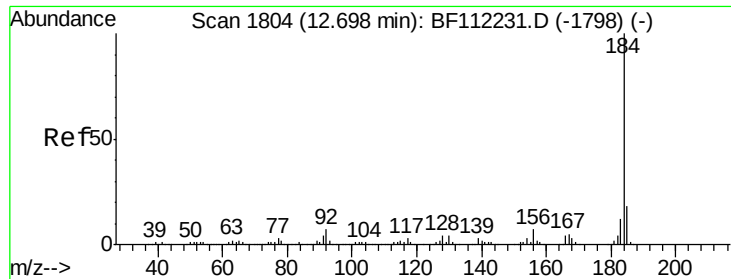
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. 0.01 min  
 Lab File: BF112529.D  
 Acq: 13 Feb 2019 10:38

Tgt Ion:240 Resp: 344398  
 Ion Ratio Lower Upper  
 240 100  
 120 9.2 9.0 13.6  
 236 24.8 20.7 31.1



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: 38.477 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

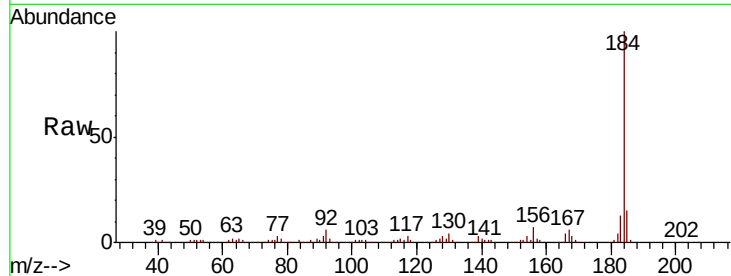
Tot Ion:184 Resp: 364727

Ion Ratio Lower Upper

184 100

185 14.6 13.9 20.9

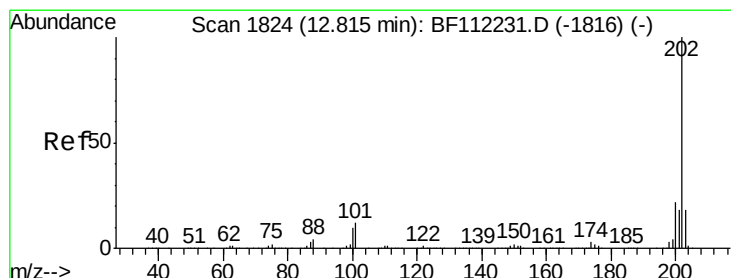
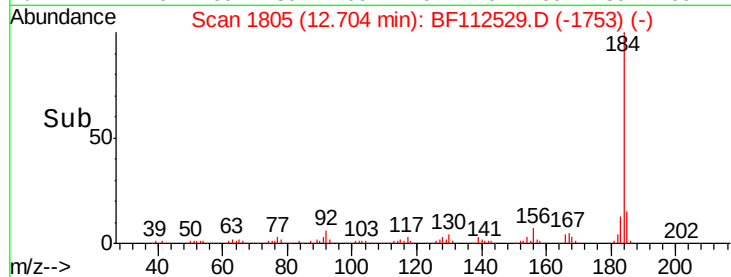
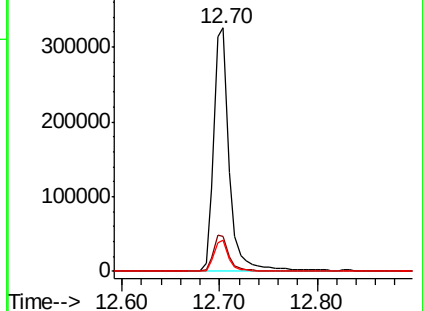
183 12.8 10.0 15.0



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: 43.483 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

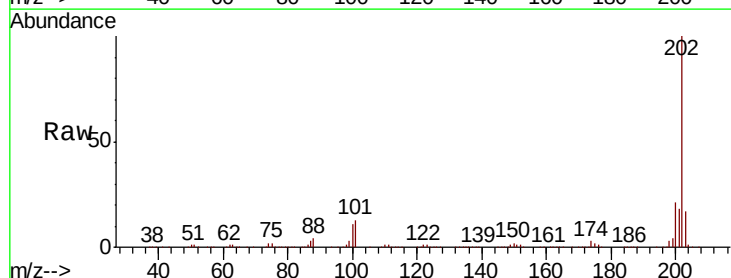
Tgt Ion:202 Resp: 1036816

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

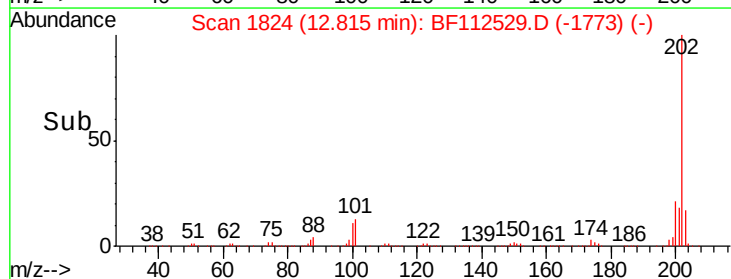
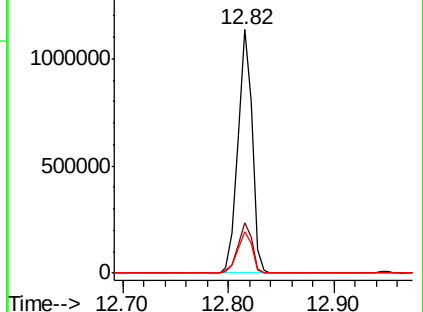
203 17.3 14.6 22.0

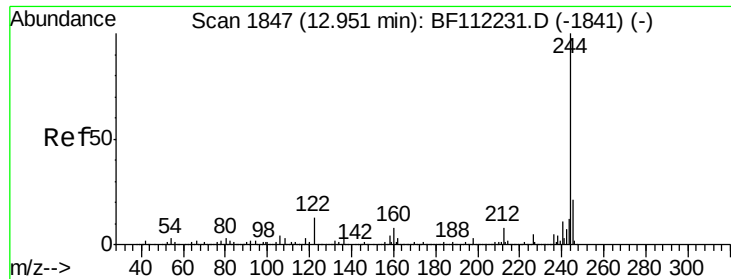


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.261 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

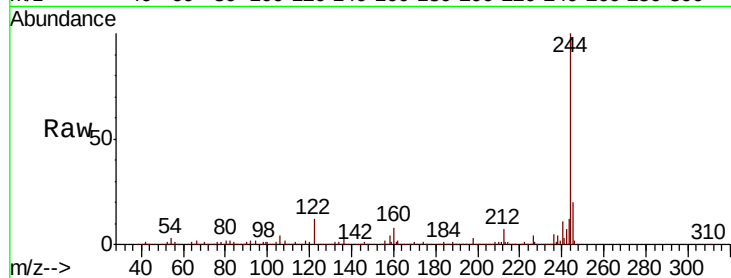
Tot Ion:244 Resp: 1540751

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

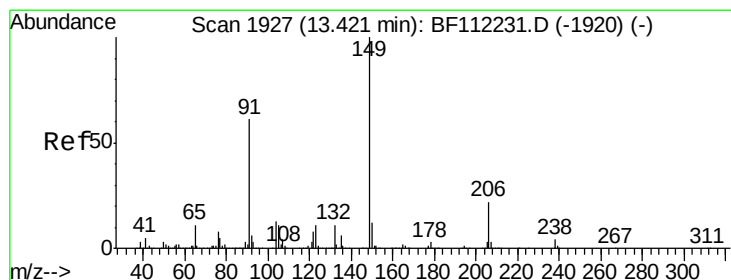
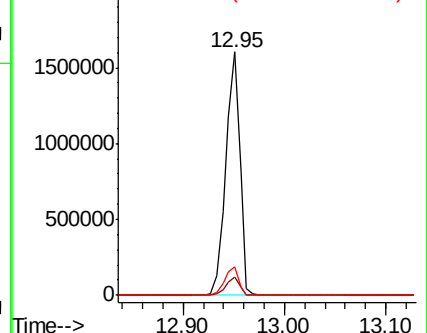
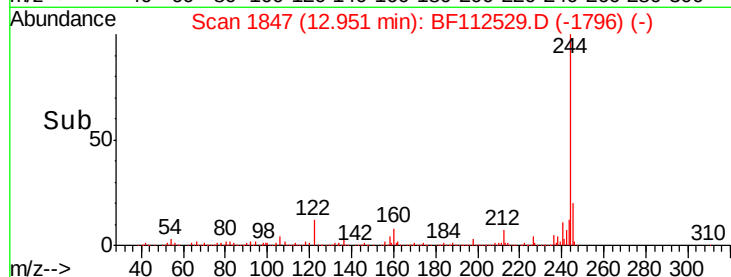
122 11.6 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.801 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

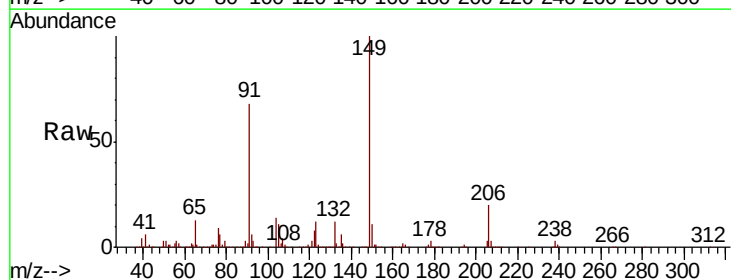
Tgt Ion:149 Resp: 482225

Ion Ratio Lower Upper

149 100

91 67.7 50.3 75.5

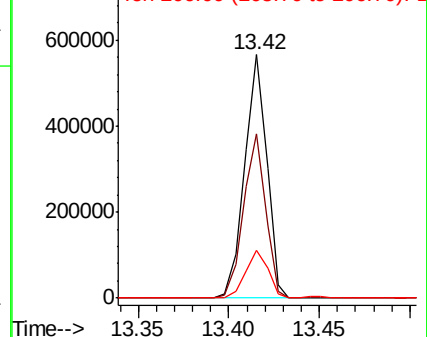
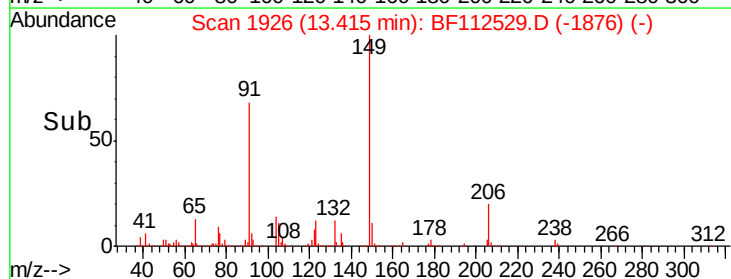
206 19.8 18.2 27.4

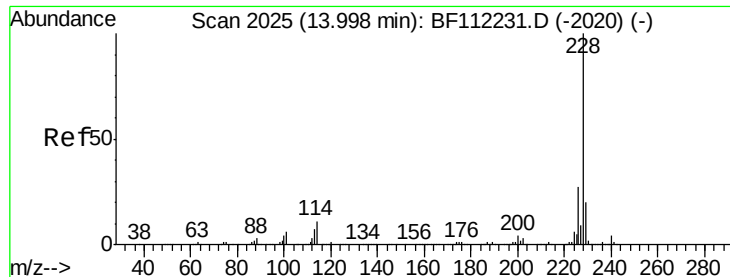


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.065 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

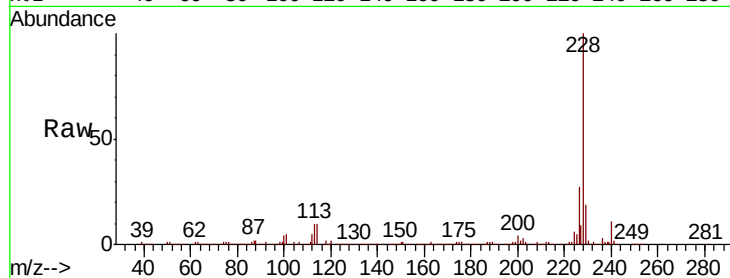
Tot Ion:228 Resp: 871876

Ion Ratio Lower Upper

228 100

226 27.0 22.6 34.0

229 19.5 16.5 24.7

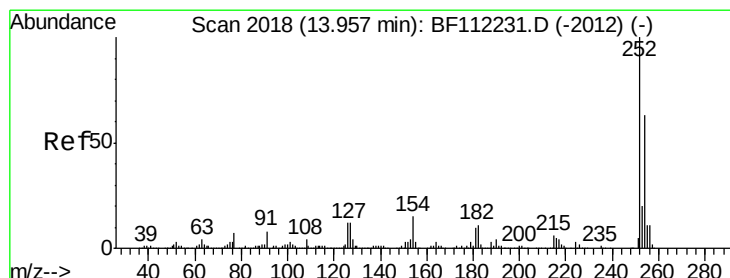
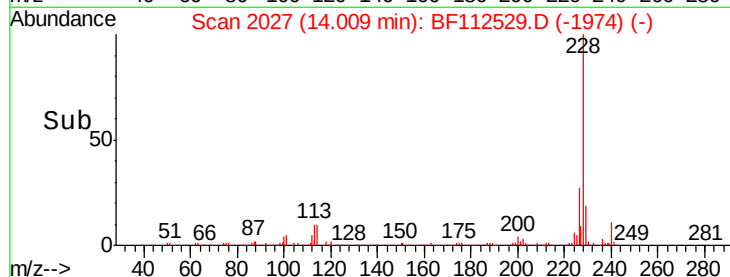
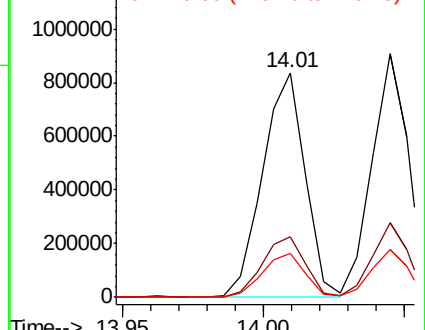


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.551 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

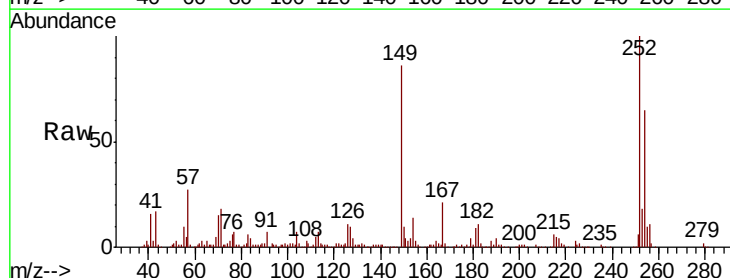
Tgt Ion:252 Resp: 208745

Ion Ratio Lower Upper

252 100

254 65.1 51.6 77.4

126 11.4 8.6 12.8

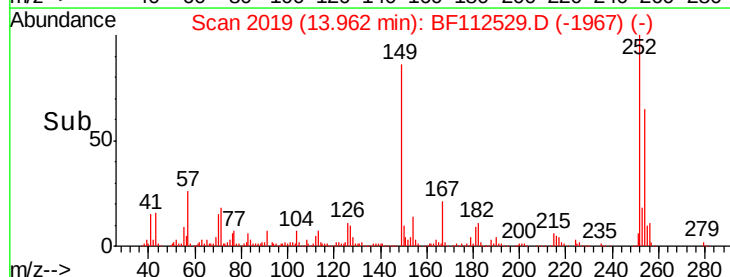
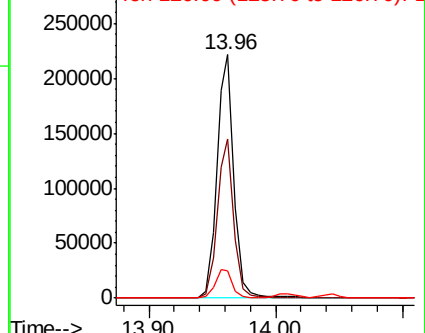


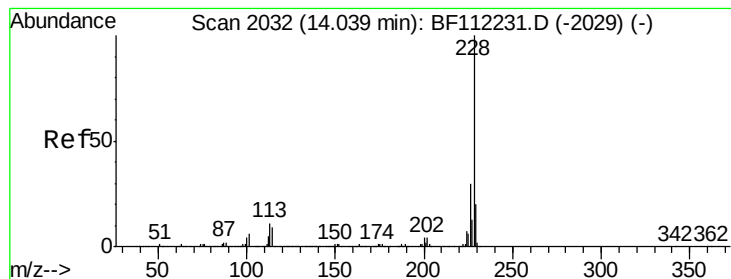
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 41.748 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

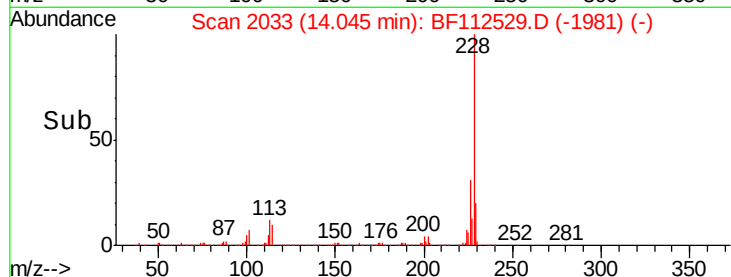
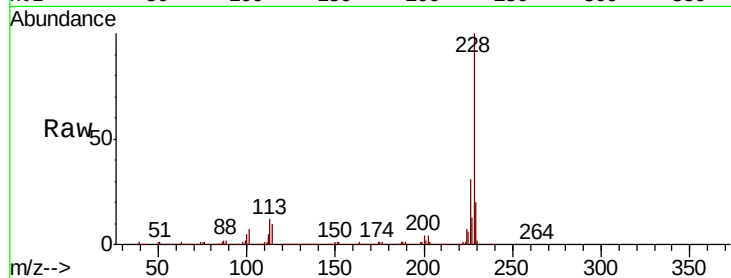
Tot Ion:228 Resp: 806795

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

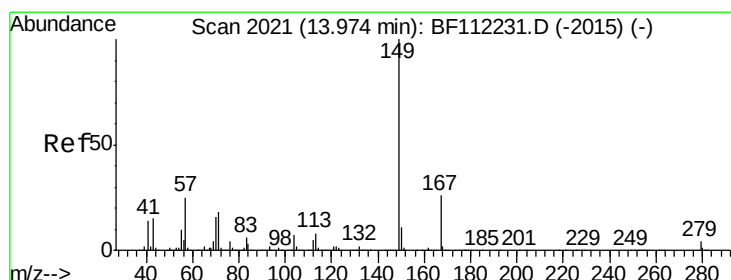
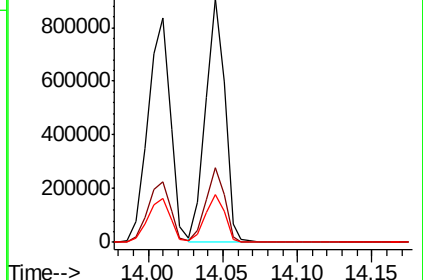
229 19.7 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.188 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

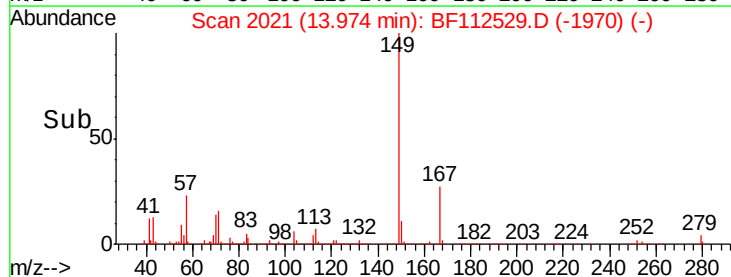
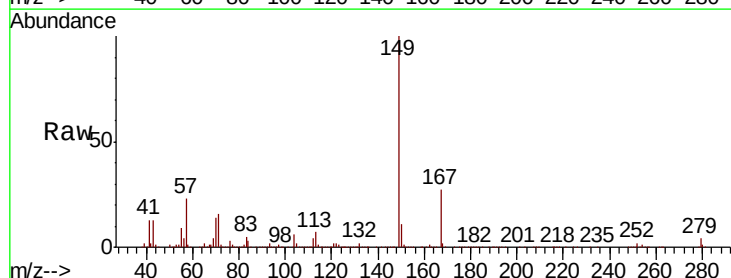
Tgt Ion:149 Resp: 658090

Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

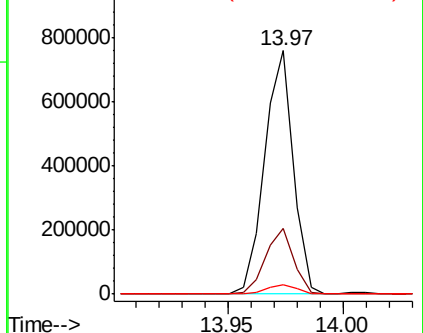
279 3.9 3.8 5.6

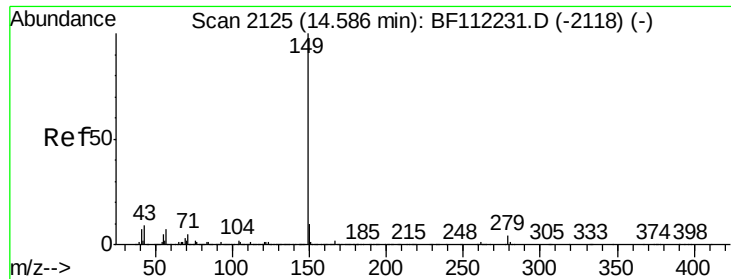


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 41.134 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

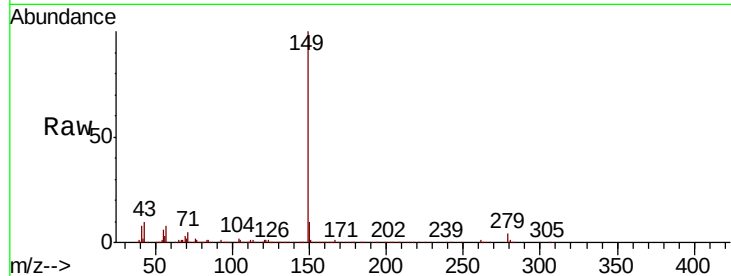
Tot Ion:149 Resp: 1036351

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

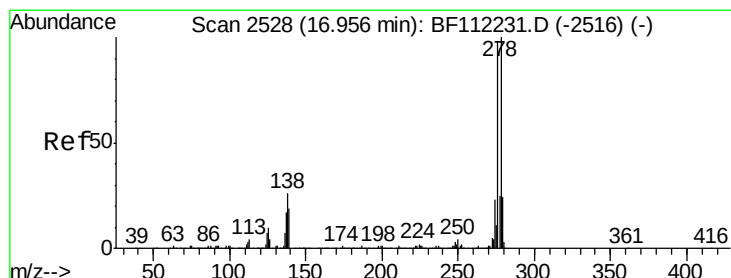
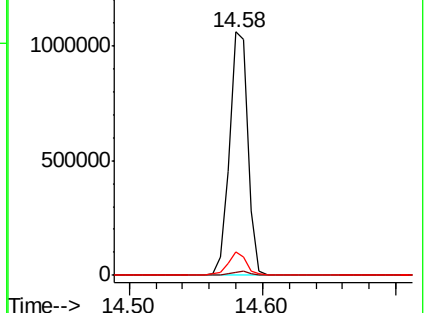
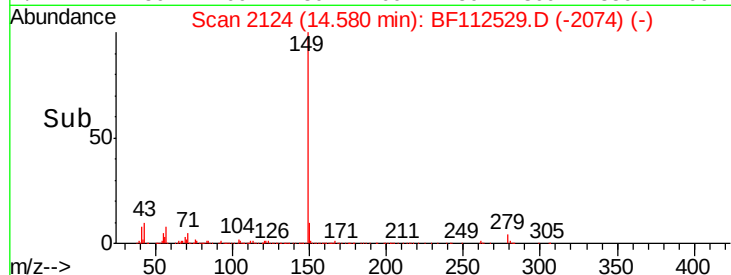
43 8.7 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.035 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.05 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

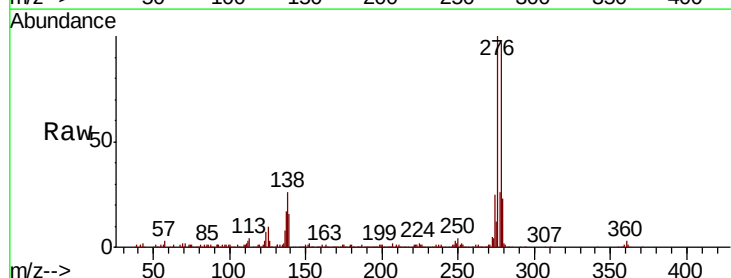
Tgt Ion:276 Resp: 613066

Ion Ratio Lower Upper

276 100

138 25.0 22.6 34.0

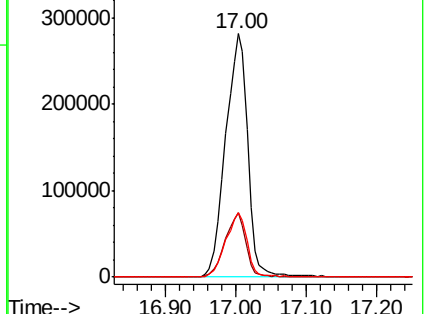
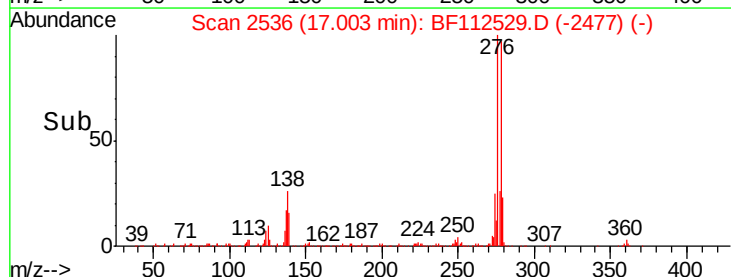
277 25.9 20.3 30.5

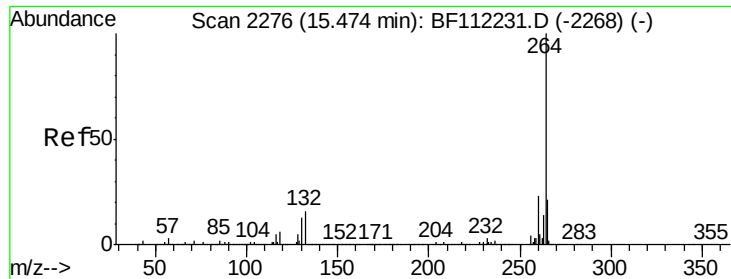


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



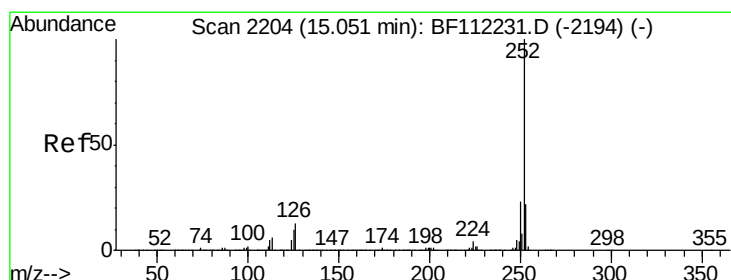
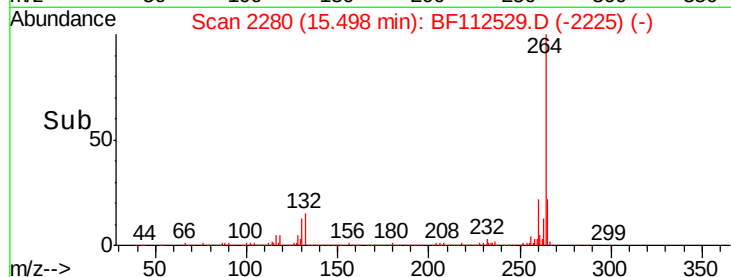
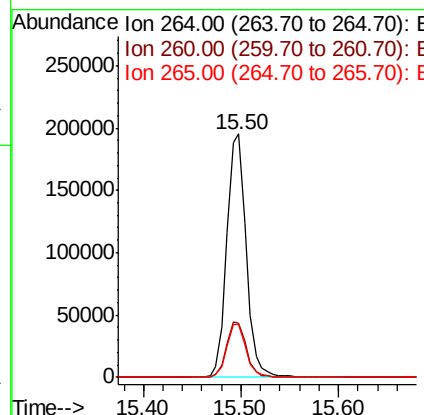
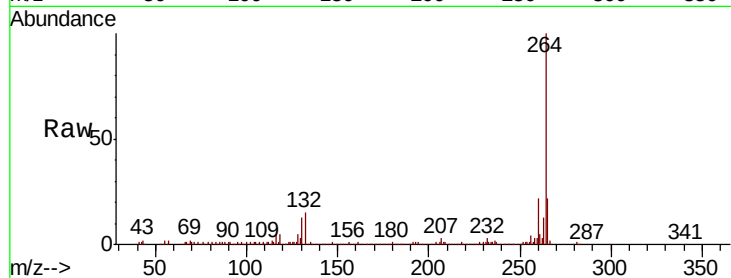


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.02 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

Tot Ion:264 Resp: 269550  

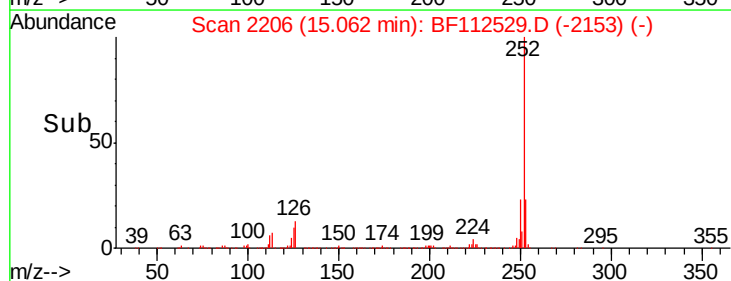
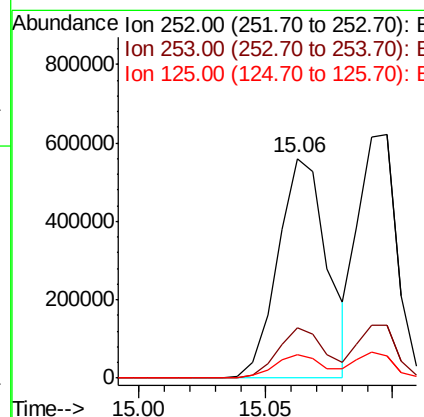
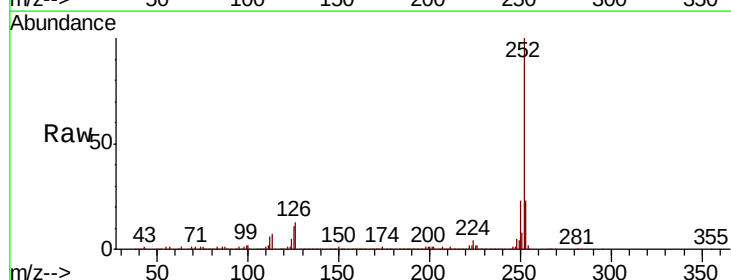
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 18.2  | 27.2  |
| 265 | 21.9  | 17.0  | 25.4  |



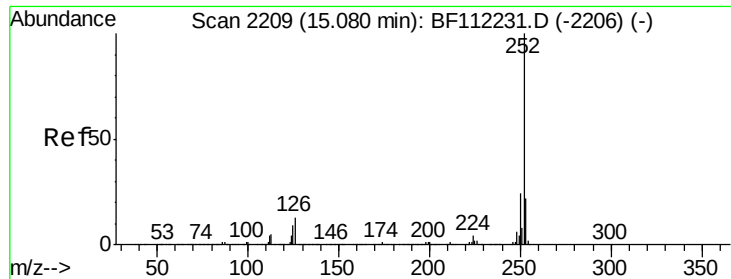
#88  
Benzo(b)fluoranthene  
Concen: 46.991 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion:252 Resp: 757512  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.6  | 18.0  | 27.0  |
| 125 | 10.6  | 8.7   | 13.1  |



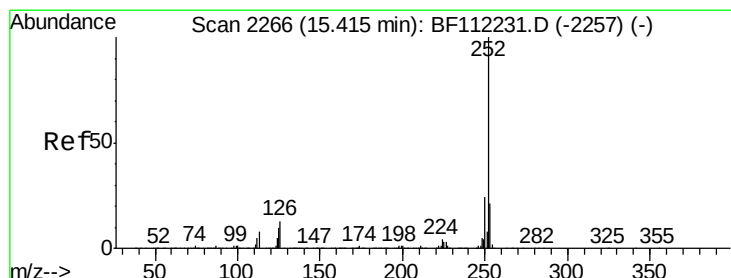
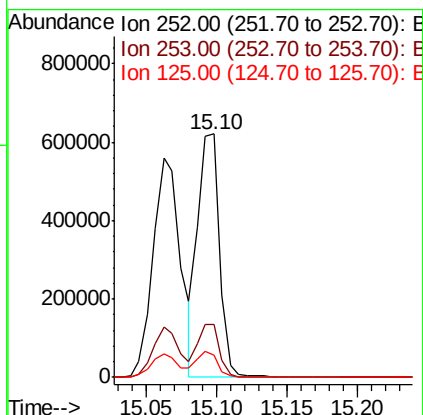
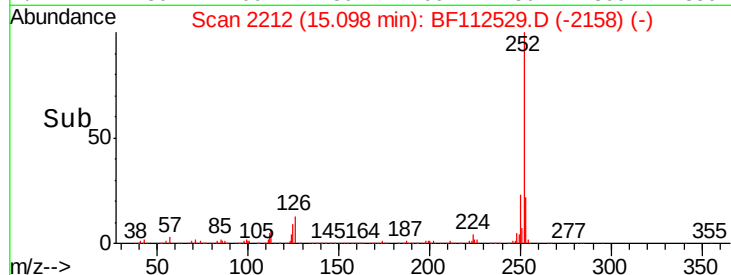
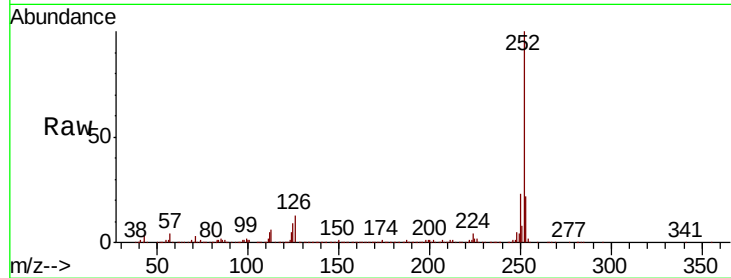




#89  
Benzo(k)fluoranthene  
Concen: 43.073 ng  
RT: 15.10 min Scan# 2212  
Delta R.T. 0.02 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

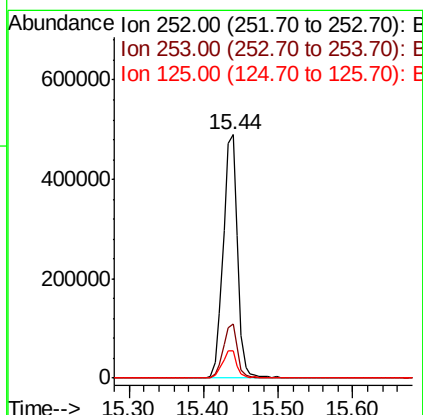
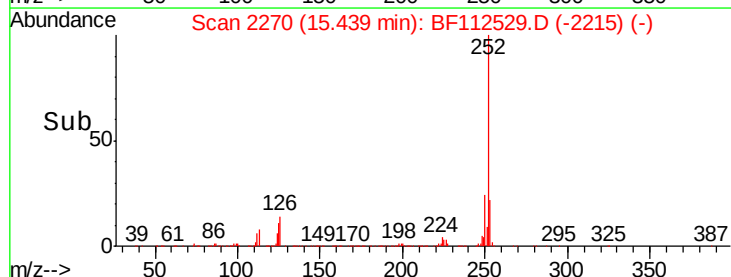
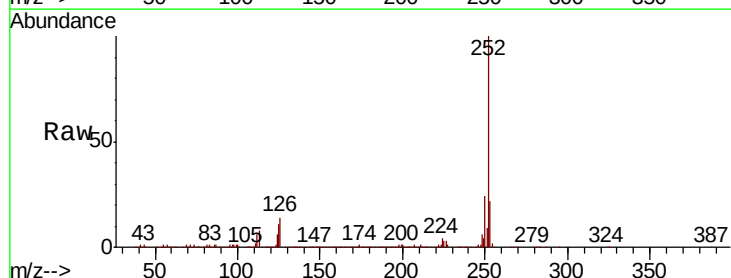
Instrument :  
BNA\_F  
ClientSampleId :  
PB117061BS

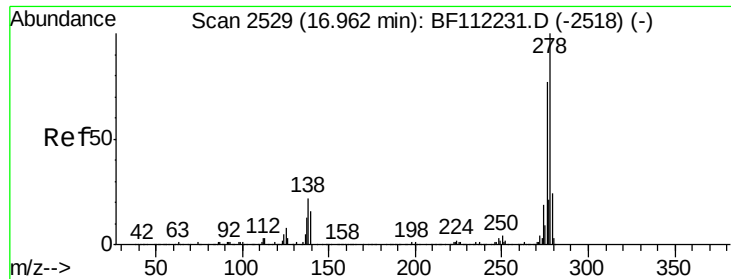
Tot Ion:252 Resp: 665083  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.0 27.0  
125 9.3 9.1 13.7



#90  
Benzo(a)pyrene  
Concen: 45.300 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.02 min  
Lab File: BF112529.D  
Acq: 13 Feb 2019 10:38

Tgt Ion:252 Resp: 657068  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 11.3 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 44.158 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.04 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB117061BS

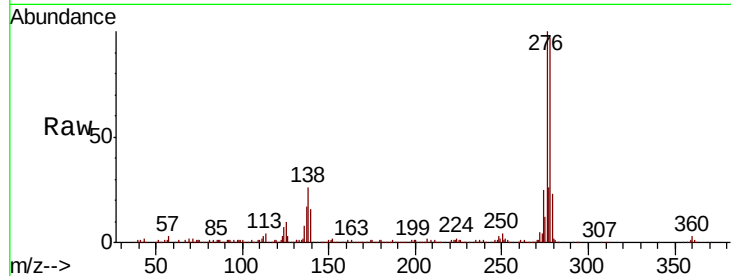
Tot Ion:278 Resp: 516215

Ion Ratio Lower Upper

278 100

139 16.4 13.7 20.5

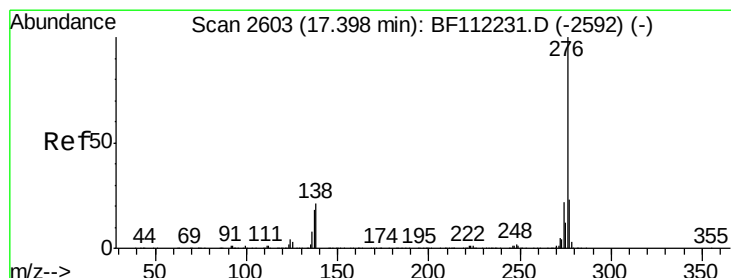
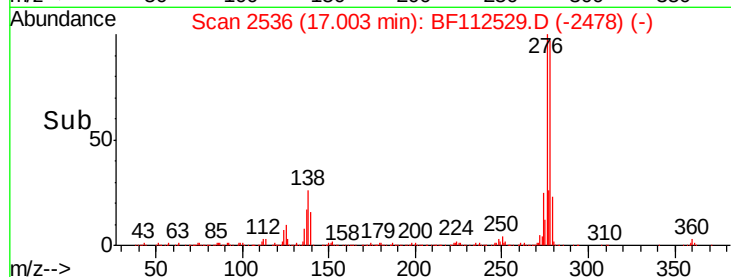
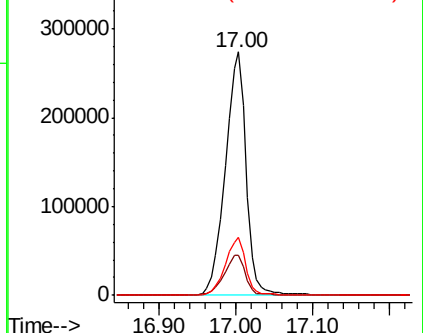
279 23.8 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 43.299 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.05 min

Lab File: BF112529.D

Acq: 13 Feb 2019 10:38

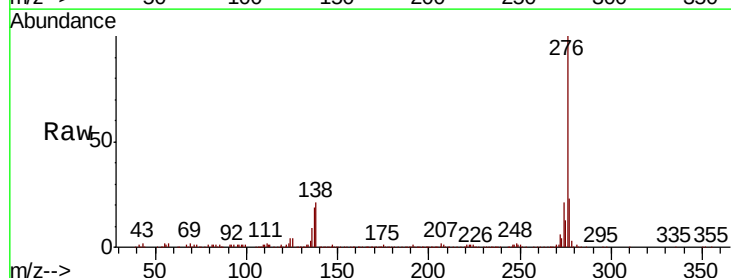
Tgt Ion:276 Resp: 477553

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.0

138 21.1 19.1 28.7



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

