

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050317\  
 Data File : BF094843.D  
 Acq On : 3 May 2017 20:03  
 Operator : SJ/MA  
 Sample : I2914-11MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 04 01:10:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 96535    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.75  | 136  | 379232   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.58 | 164  | 174822   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 14.98 | 188  | 325376   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.64 | 240  | 245351   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 20.31 | 264  | 26048    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.70  | 112 | 754062  | 130.23 | ng | 0.02 |
| 7) Phenol-d6             | 7.28  | 99  | 859676  | 123.74 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.63  | 82  | 598506  | 99.52  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.88 | 330 | 221368  | 154.62 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.52 | 172 | 1199825 | 98.78  | ng | 0.00 |
| 78) Terphenyl-d14        | 17.31 | 244 | 1080091 | 96.96  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.27  | 88  | 103737 | 36.53 | ng | # 81   |
| 3) Pyridine                    | 3.00  | 79  | 25579  | 3.89  | ng | 92     |
| 4) n-Nitrosodimethylamine      | 2.82  | 42  | 122418 | 44.62 | ng | 93     |
| 6) Aniline                     | 7.24  | 93  | 48964  | 5.58  | ng | 96     |
| 8) 2-Chlorophenol              | 7.42  | 128 | 312730 | 47.45 | ng | 94     |
| 9) Benzaldehyde                | 7.05  | 77  | 69754  | 16.44 | ng | 95     |
| 10) Phenol                     | 7.30  | 94  | 311954 | 42.61 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 7.37  | 93  | 281424 | 46.56 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.64  | 146 | 310890 | 41.59 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.76  | 146 | 317662 | 41.90 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 310192 | 43.83 | ng | 96     |
| 15) Benzyl Alcohol             | 8.02  | 79  | 121482 | 27.19 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 372533 | 43.55 | ng | 61     |
| 17) 2-Methylphenol             | 8.22  | 107 | 240514 | 44.59 | ng | # 89   |
| 18) Hexachloroethane           | 8.51  | 117 | 105063 | 40.91 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 8.44  | 70  | 227468 | 48.41 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.48  | 107 | 321525 | 43.87 | ng | # 61   |
| 22) Acetophenone               | 8.40  | 105 | 453114 | 49.80 | ng | # 85   |
| 24) Nitrobenzene               | 8.66  | 77  | 312198 | 49.53 | ng | 92     |
| 25) Isophorone                 | 9.06  | 82  | 592144 | 55.14 | ng | 95     |
| 26) 2-Nitrophenol              | 9.17  | 139 | 177755 | 52.26 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.30  | 122 | 280141 | 50.94 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.42  | 93  | 205281 | 27.63 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 9.58  | 162 | 274322 | 52.83 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 9.67  | 180 | 246311 | 44.28 | ng | 99     |
| 31) Naphthalene                | 9.78  | 128 | 874267 | 45.87 | ng | 99     |
| 32) Benzoic acid               | 9.62  | 122 | 175777 | 48.61 | ng | 93     |
| 33) 4-Chloroaniline            | 9.94  | 127 | 24549  | 3.46  | ng | 93     |
| 34) Hexachlorobutadiene        | 10.00 | 225 | 129798 | 44.22 | ng | 96     |
| 35) Caprolactam                | 10.56 | 113 | 17514  | 11.23 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 10.77 | 107 | 282660 | 50.91 | ng | 91     |
| 37) 2-Methylnaphthalene        | 10.91 | 142 | 643003 | 51.40 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.18 | 216 | 248561 | 46.23 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.17 | 237 | 216567 | 94.62 | ng | 98     |

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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

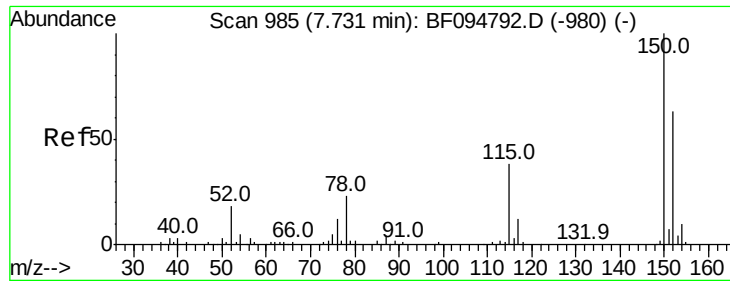
Instrument :  
 BNA\_F  
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Quant Time: May 04 01:10:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.40 | 196  | 192328   | 53.58  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 11.48 | 196  | 206579   | 53.54  | nq    | 93       |
| 45) 1,1'-Biphenyl              | 11.68 | 154  | 743168   | 50.49  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 11.69 | 162  | 580975   | 48.88  | nq    | 95       |
| 47) 2-Nitroaniline             | 11.89 | 65   | 104479   | 32.12  | nq    | # 84     |
| 48) Acenaphthylene             | 12.35 | 152  | 760807   | 40.87  | nq    | 99       |
| 49) Dimethylphthalate          | 12.22 | 163  | 738466   | 51.45  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.31 | 165  | 161579   | 55.18  | nq    | 94       |
| 51) Acenaphthene               | 12.63 | 154  | 544427   | 48.96  | nq    | 99       |
| 52) 3-Nitroaniline             | 12.58 | 138  | 26599    | 8.46   | nq    | # 95     |
| 53) 2,4-Dinitrophenol          | 12.77 | 184  | 173298   | 105.32 | nq    | # 71     |
| 54) Dibenzofuran               | 12.92 | 168  | 881117   | 57.27  | nq    | 99       |
| 55) 4-Nitrophenol              | 12.95 | 139  | 183552   | 97.25  | nq    | # 77     |
| 56) 2,4-Dinitrotoluene         | 12.97 | 165  | 197244   | 52.43  | nq    | # 88     |
| 57) Fluorene                   | 13.48 | 166  | 646663   | 48.33  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.15 | 232  | 136638   | 56.27  | nq    | 97       |
| 59) Diethylphthalate           | 13.37 | 149  | 636167   | 46.25  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 13.50 | 204  | 284124   | 48.32  | nq    | 91       |
| 61) 4-Nitroaniline             | 13.57 | 138  | 41169    | 14.27  | nq    | 94       |
| 62) Azobenzene                 | 13.75 | 77   | 459814   | 41.60  | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 13.63 | 198  | 105026   | 48.15  | nq    | # 62     |
| 65) n-Nitrosodiphenylamine     | 13.70 | 169  | 84190    | 7.13   | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 14.28 | 248  | 165409   | 48.12  | nq    | 99       |
| 67) Hexachlorobenzene          | 14.37 | 284  | 170764   | 48.47  | nq    | # 87     |
| 68) Atrazine                   | 14.71 | 200  | 35036    | 10.51  | nq    | # 36     |
| 69) Pentachlorophenol          | 14.71 | 266  | 171114   | 105.41 | nq    | 99       |
| 70) Phenanthrene               | 15.02 | 178  | 952614   | 50.96  | nq    | 98       |
| 71) Anthracene                 | 15.10 | 178  | 937397   | 49.09  | nq    | 98       |
| 72) Carbazole                  | 15.37 | 167  | 144906   | 8.34   | nq    | 97       |
| 73) Di-n-butylphthalate        | 15.95 | 149  | 1104324  | 50.96  | nq    | 99       |
| 74) Fluoranthene               | 16.75 | 202  | 932514   | 48.63  | nq    | 99       |
| 77) Pyrene                     | 17.05 | 202  | 773221   | 42.14  | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.96 | 149  | 326225   | 38.22  | nq    | # 86     |
| 80) Benzo(a)anthracene         | 18.63 | 228  | 724180   | 50.72  | nq    | 98       |
| 82) Chrysene                   | 18.68 | 228  | 696638   | 50.46  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.71 | 149  | 634598   | 52.18  | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 19.48 | 149  | 964394   | 48.37  | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.59 | 276  | 303148   | 27.04  | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 19.90 | 252  | 576111   | 357.93 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 19.93 | 252  | 490281   | 315.79 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 20.25 | 252  | 312819   | 210.62 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 21.60 | 278  | 381818   | 311.28 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 21.96 | 276  | 222314   | 184.69 | nq    | 98       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

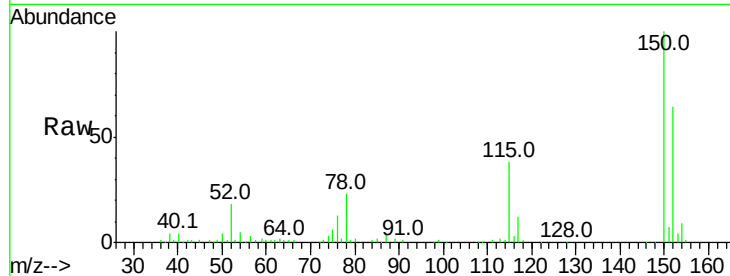
Tot Ion:152 Resp: 96535

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

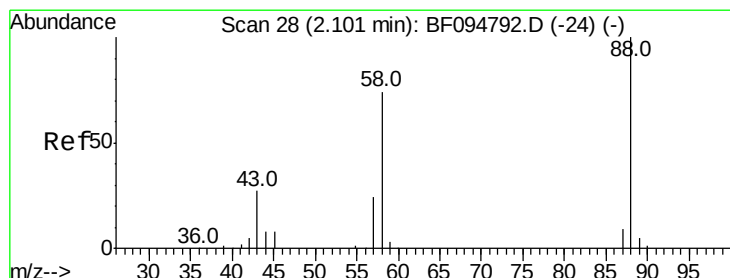
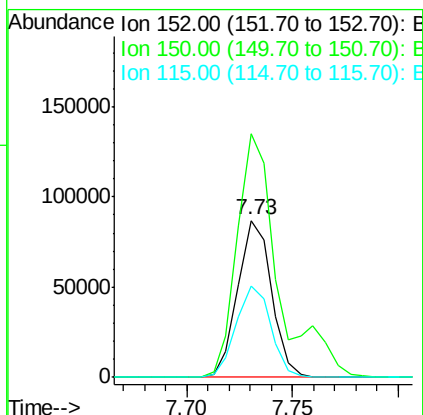
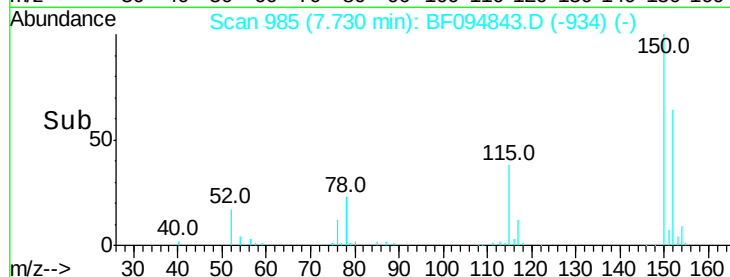
115 58.5 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.53 ng

RT: 2.27 min Scan# 57

Delta R.T. 0.17 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

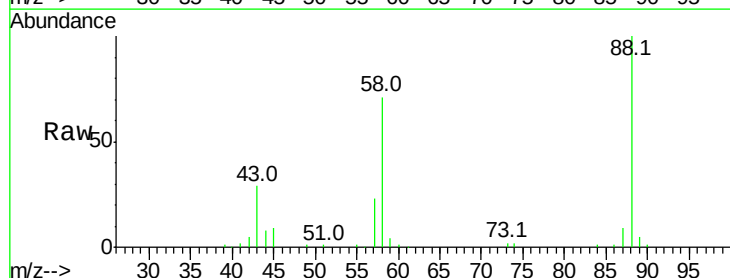
Tgt Ion: 88 Resp: 103737

Ion Ratio Lower Upper

88 100

58 71.9 61.4 92.0

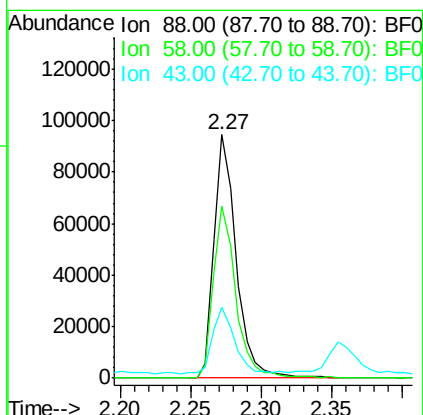
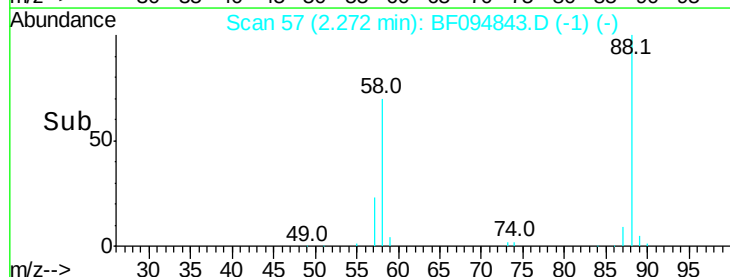
43 0.0 23.4 35.0#

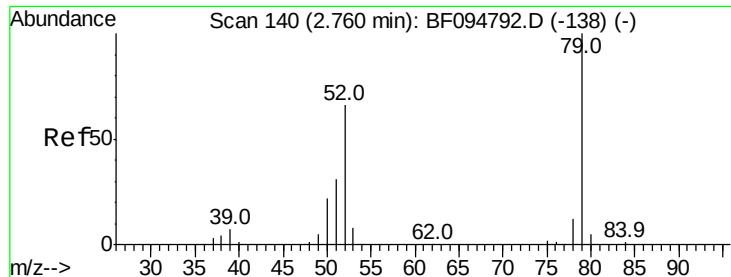


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 3.89 ng

RT: 3.00 min Scan# 180

Delta R.T. 0.24 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampled :

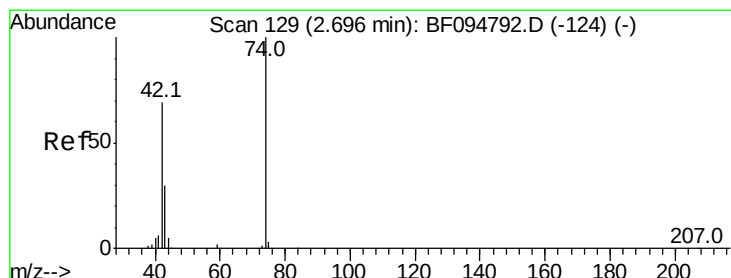
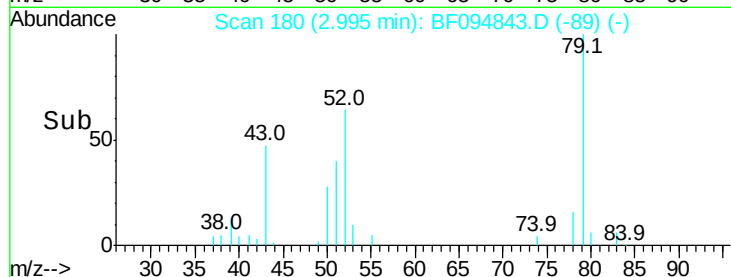
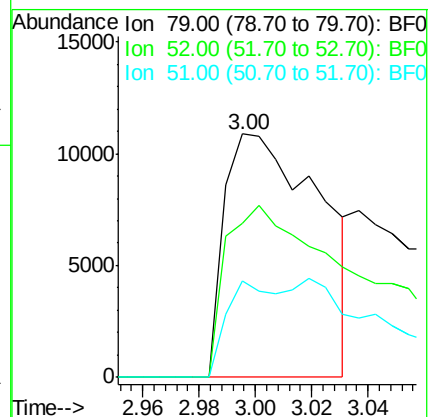
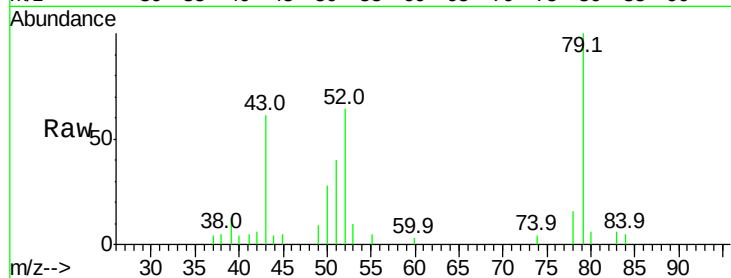
Tot Ion: 79 Resp: 25579

Ion Ratio Lower Upper

79 100

52 63.5 54.8 82.2

51 39.8 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 44.62 ng

RT: 2.82 min Scan# 150

Delta R.T. 0.12 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

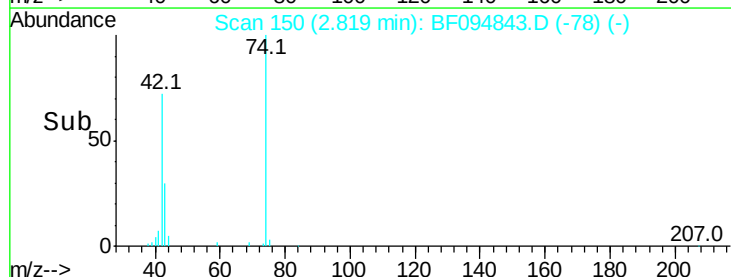
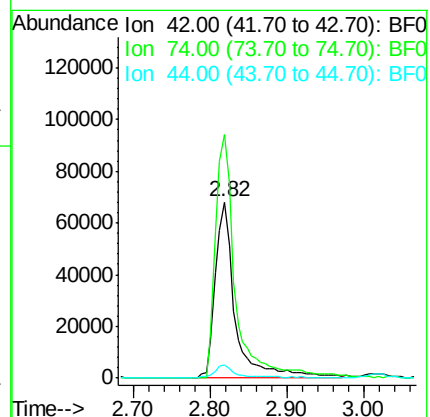
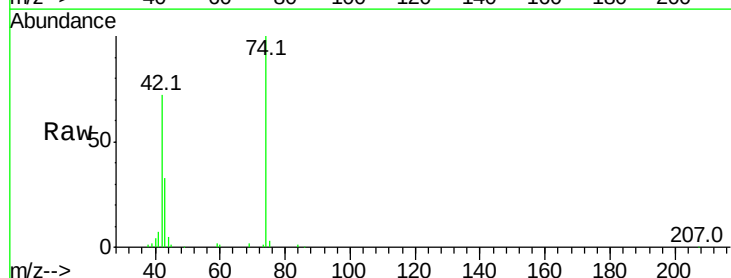
Tgt Ion: 42 Resp: 122418

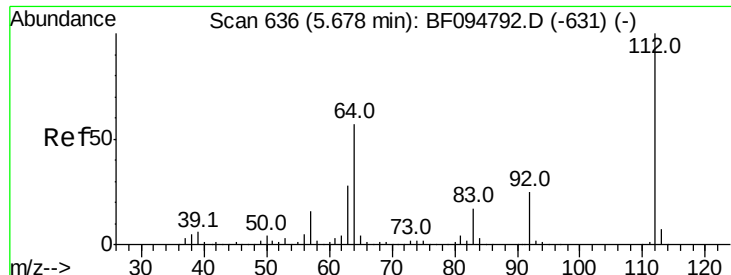
Ion Ratio Lower Upper

42 100

74 138.5 103.9 155.9

44 7.2 5.7 8.5





#5

2-Fluorophenol

Concen: 130.23 ng

RT: 5.70 min Scan# 640

Delta R.T. 0.02 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampled :

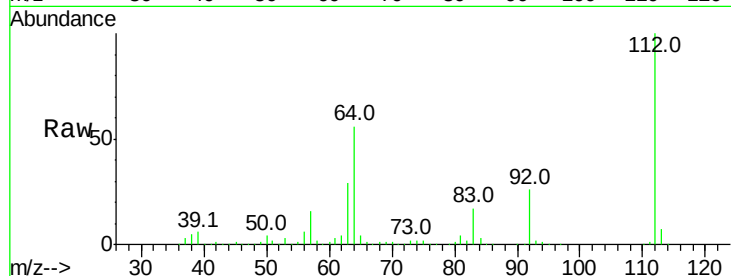
Tot Ion:112 Resp: 754062

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

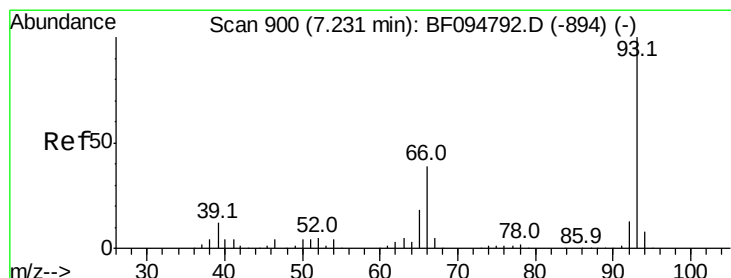
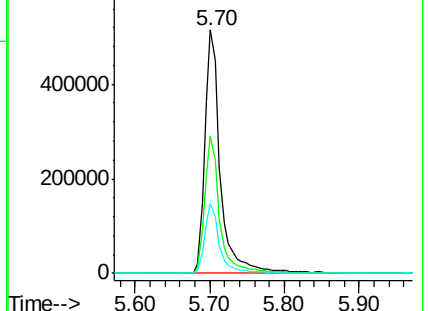
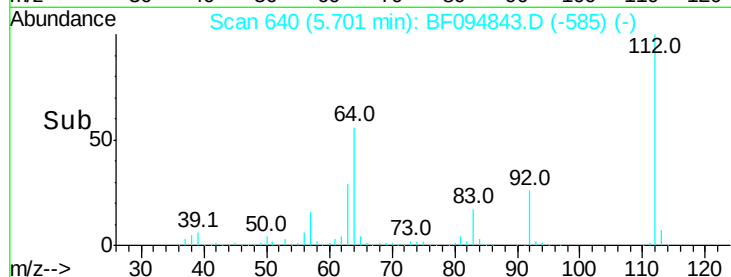
63 28.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 5.58 ng

RT: 7.24 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

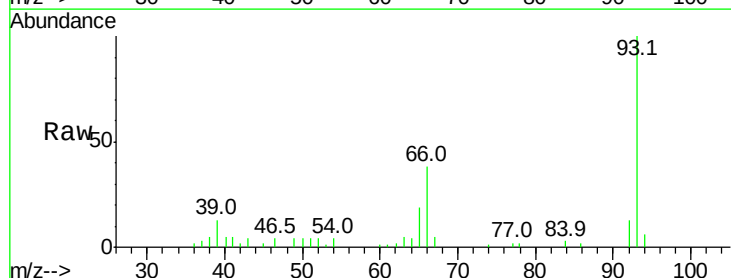
Tgt Ion: 93 Resp: 48964

Ion Ratio Lower Upper

93 100

66 38.0 32.9 49.3

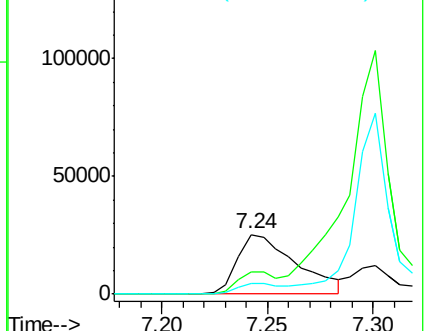
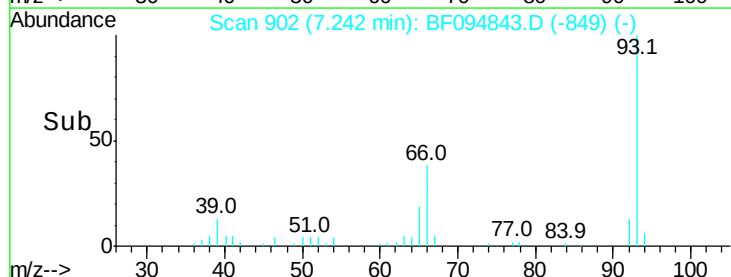
65 18.6 16.0 24.0

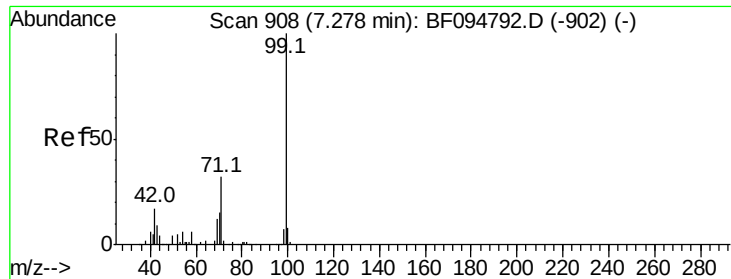


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.74 ng

RT: 7.28 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampled :

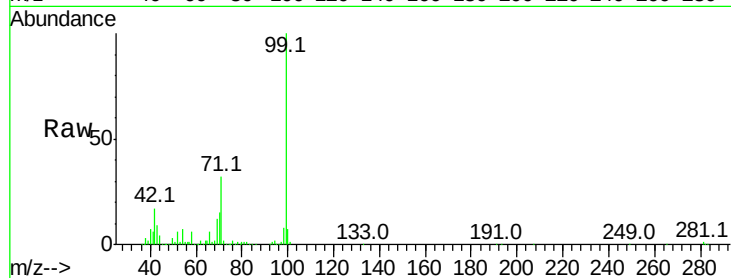
Tot Ion: 99 Resp: 859676

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

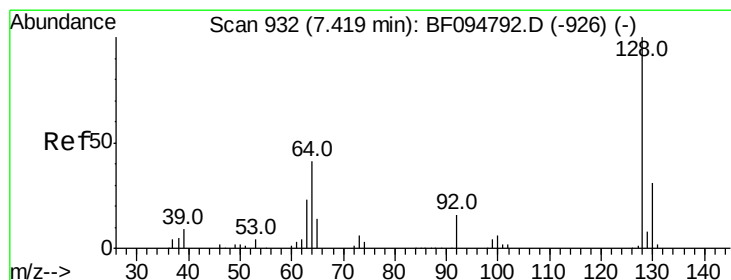
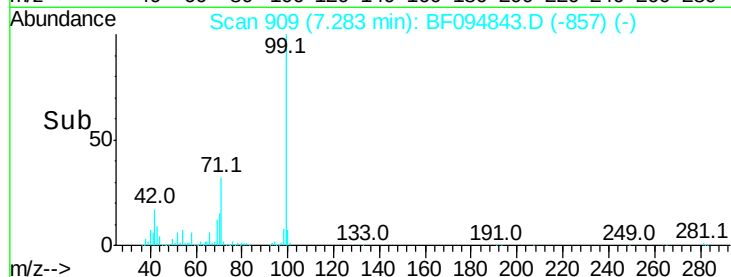
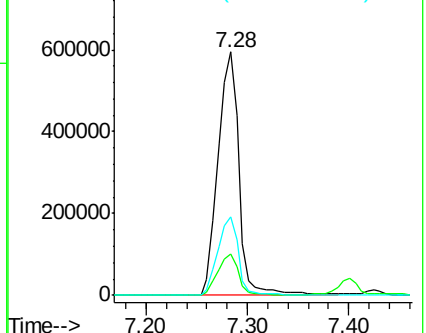
71 32.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 47.45 ng

RT: 7.42 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

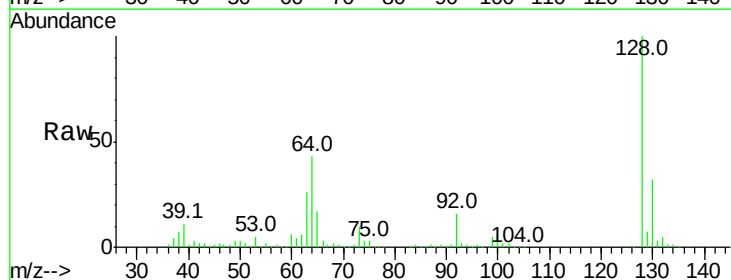
Tgt Ion: 128 Resp: 312730

Ion Ratio Lower Upper

128 100

130 31.9 12.9 52.9

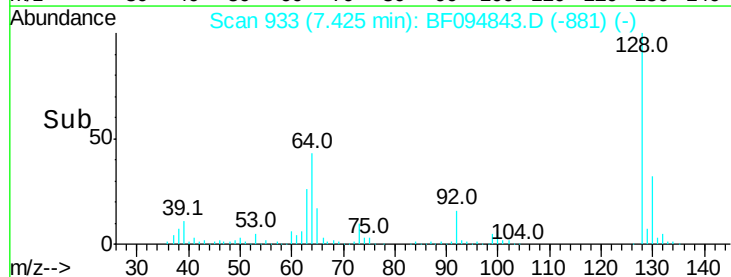
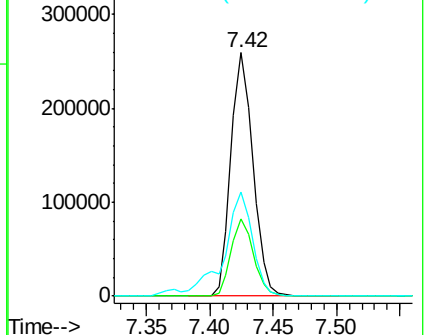
64 42.8 28.4 68.4

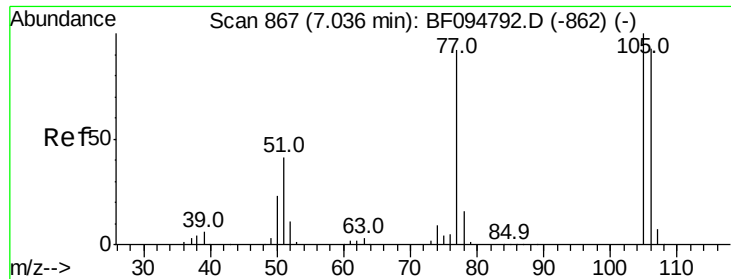


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.44 ng

RT: 7.05 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

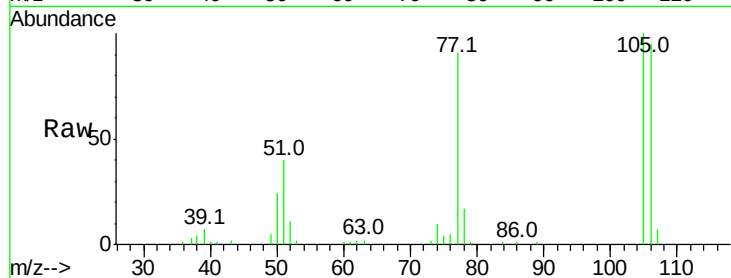
Tot Ion: 77 Resp: 69754

Ion Ratio Lower Upper

77 100

105 109.8 83.8 123.8

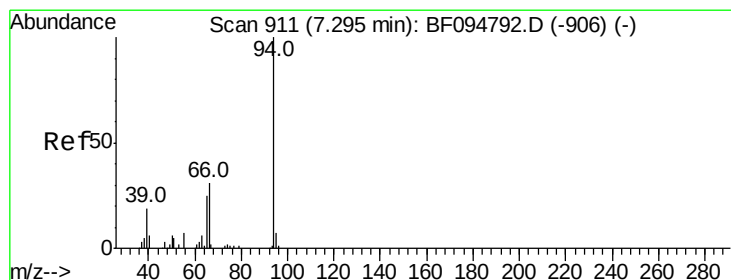
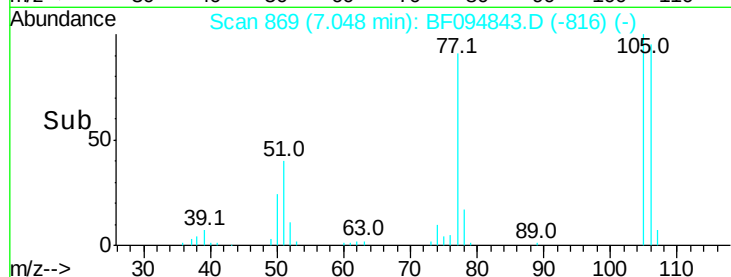
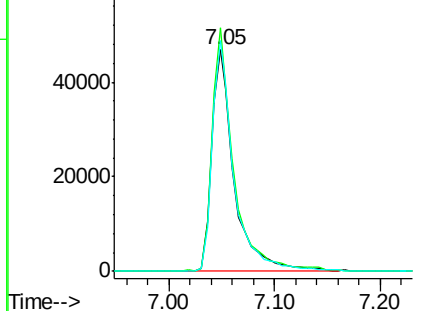
106 103.9 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 42.61 ng

RT: 7.30 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

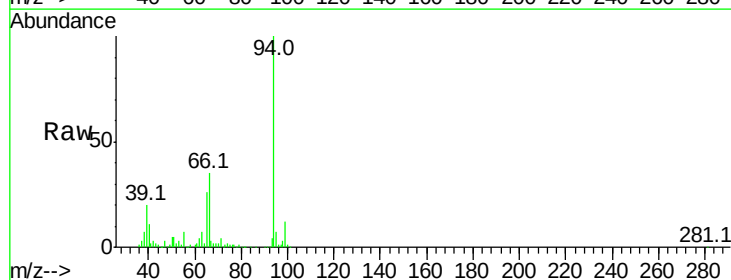
Tgt Ion: 94 Resp: 311954

Ion Ratio Lower Upper

94 100

65 26.2 9.9 49.9

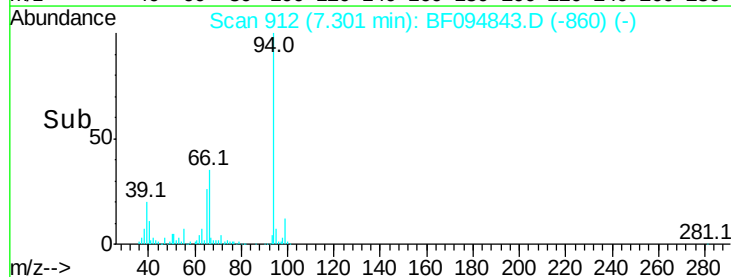
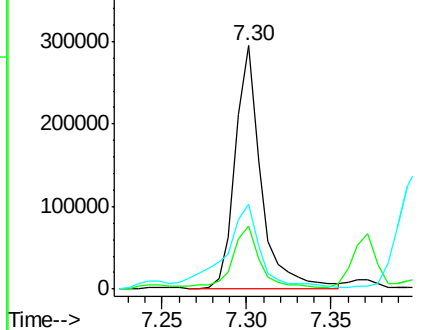
66 35.1 23.1 63.1



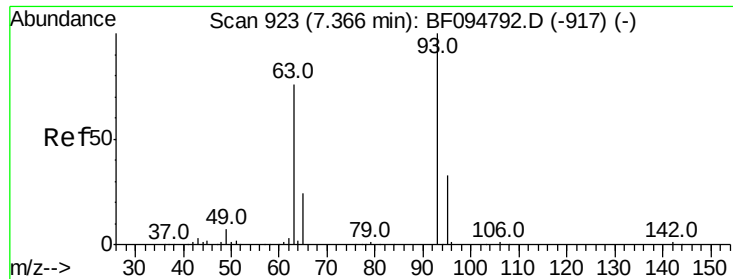
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



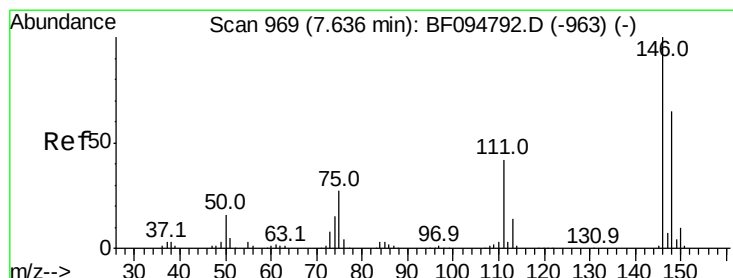
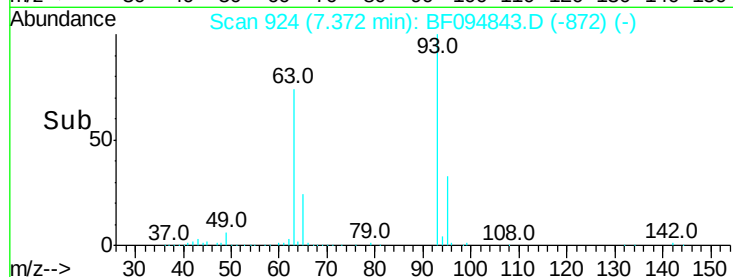
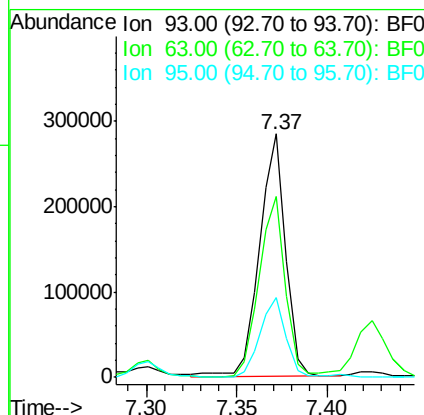
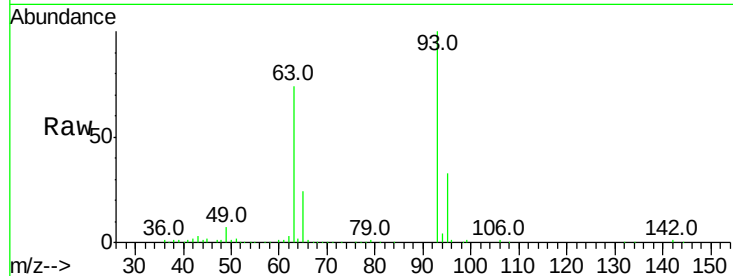




#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.56 ng  
 RT: 7.37 min Scan# 924  
 Delta R.T. 0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

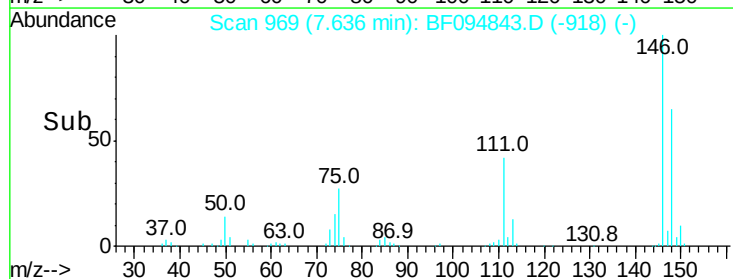
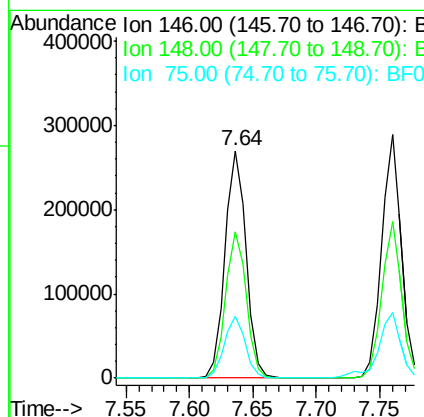
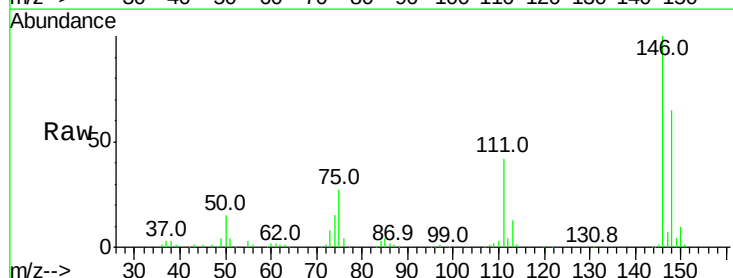
Instrument :  
 BNA\_F  
 ClientSampleId :

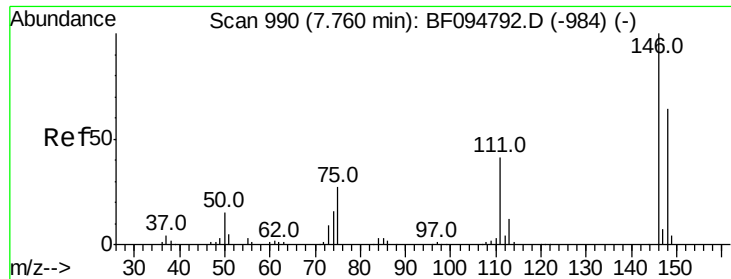
| Tot Ion: | 93    | Resp: | 281424 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 74.3  | 59.2  | 99.2   |
| 95       | 33.0  | 12.8  | 52.8   |



#12  
 1,3-Dichlorobenzene  
 Concen: 41.59 ng  
 RT: 7.64 min Scan# 969  
 Delta R.T. -0.00 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

| Tgt Ion: | 146   | Resp: | 310890 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.5  | 51.8  | 77.6   |
| 75       | 27.2  | 23.1  | 34.7   |

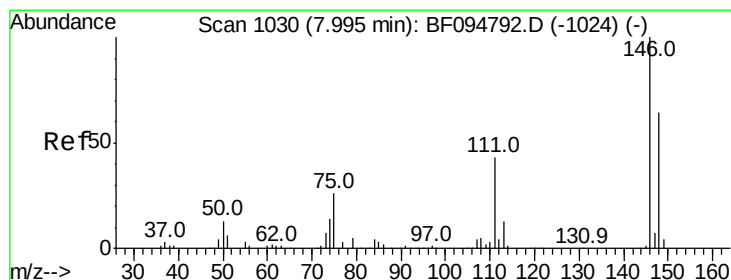
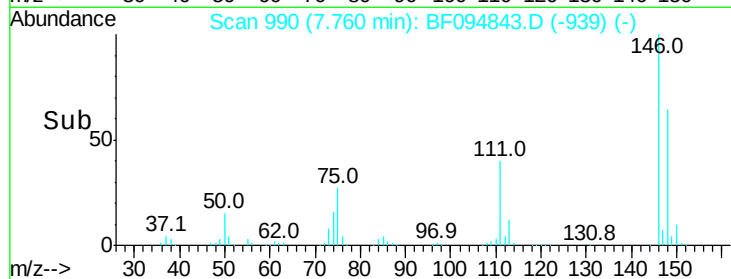
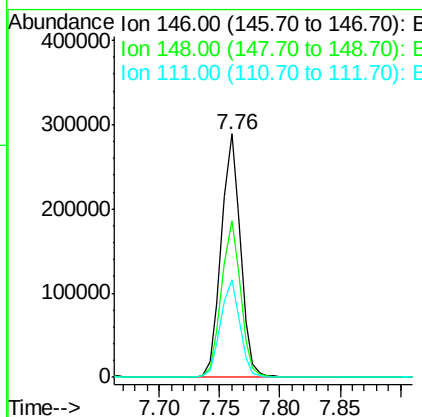
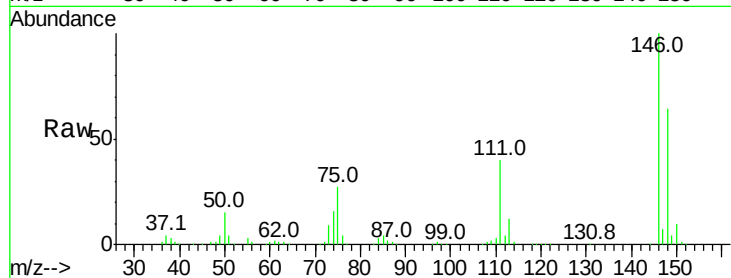




#13  
 1,4-Dichlorobenzene  
 Concen: 41.90 ng  
 RT: 7.76 min Scan# 990  
 Delta R.T. -0.00 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

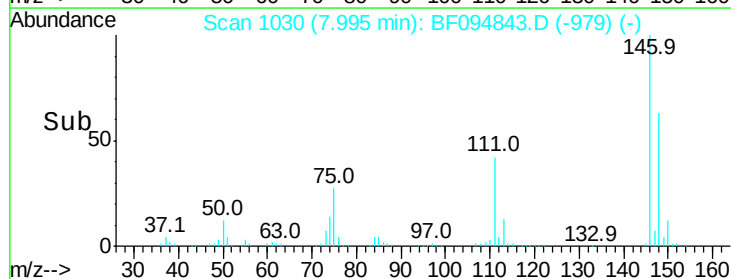
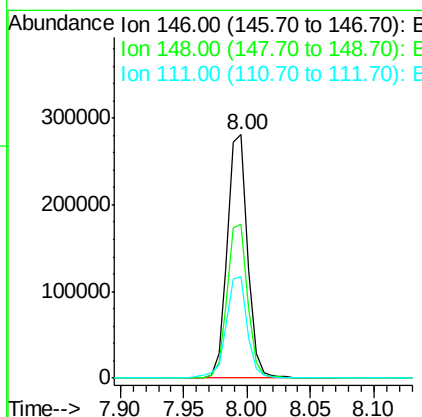
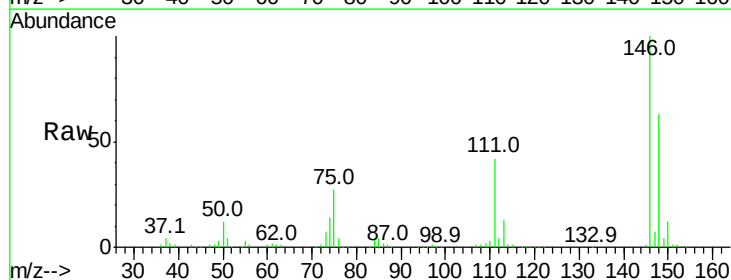
Instrument :  
 BNA\_F  
 ClientSampleId :

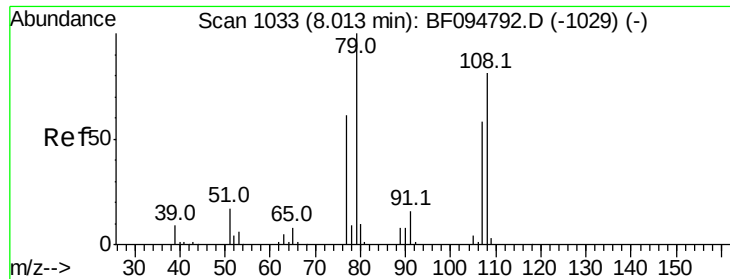
Tot Ion:146 Resp: 317662  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 52.2 78.2  
 111 39.9 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 43.83 ng  
 RT: 8.00 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:146 Resp: 310192  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.4 75.6  
 111 41.8 38.2 57.4

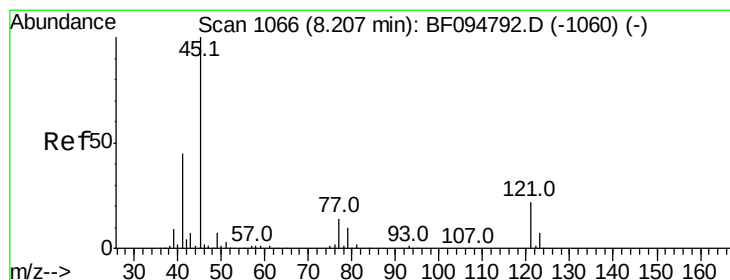
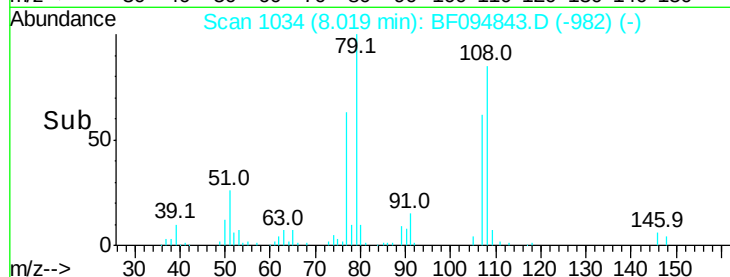
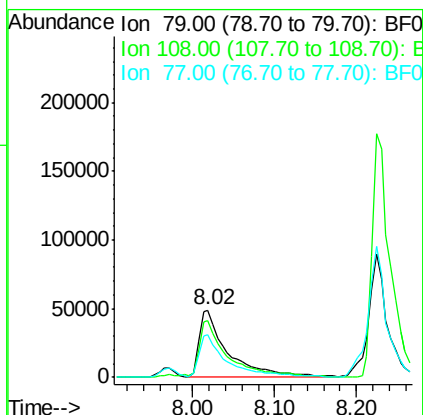
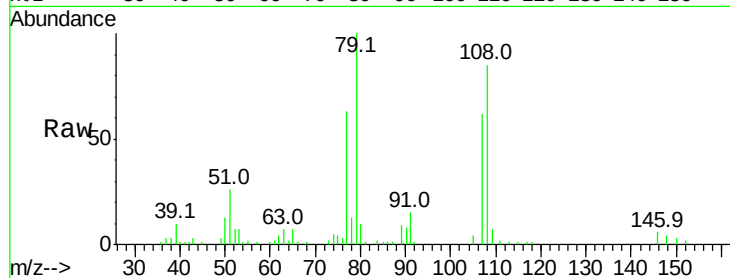




#15  
Benzyl Alcohol  
Concen: 27.19 ng  
RT: 8.02 min Scan# 1034  
Delta R.T. 0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

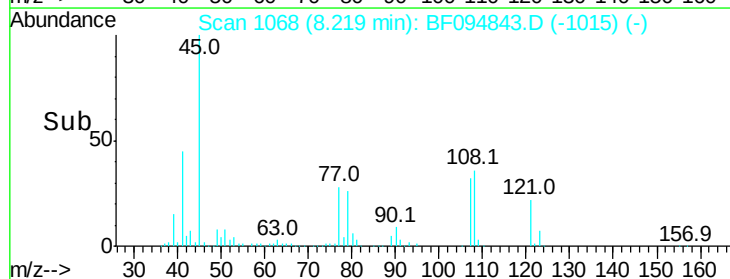
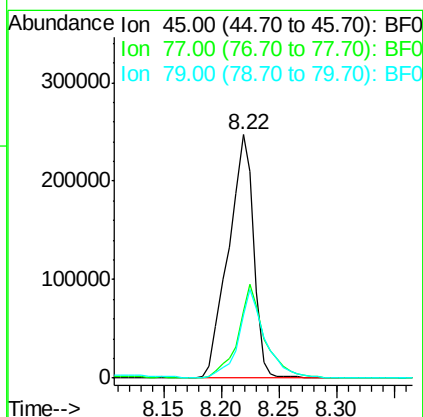
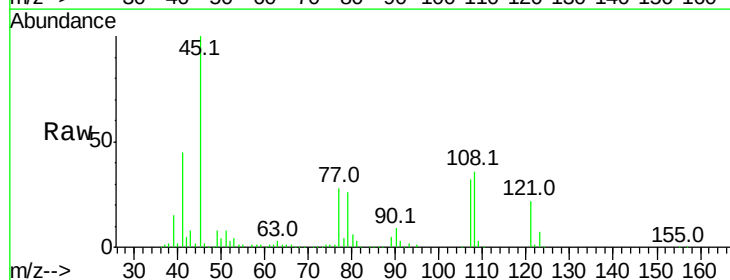
Instrument :  
BNA\_F  
ClientSampleId :

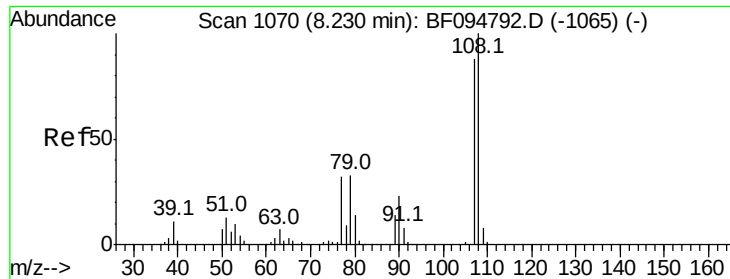
Tot Ion: 79 Resp: 121482  
Ion Ratio Lower Upper  
79 100  
108 84.9 63.4 95.0  
77 62.8 49.2 73.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.55 ng  
RT: 8.22 min Scan# 1068  
Delta R.T. 0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion: 45 Resp: 372533  
Ion Ratio Lower Upper  
45 100  
77 27.7 0.0 33.2  
79 25.7 0.0 30.0





#17

2-Methylphenol

Concen: 44.59 ng

RT: 8.22 min Scan# 1069

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 240514

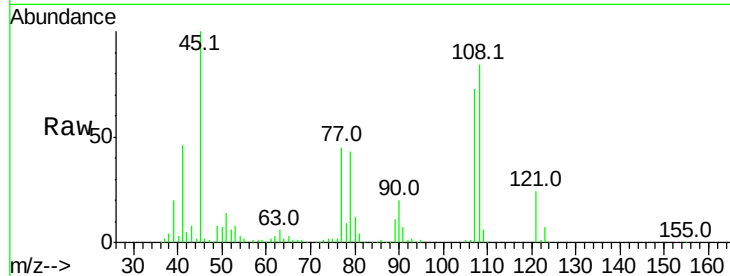
Ion Ratio Lower Upper

107 100

108 116.1 93.4 140.0

77 62.5 35.8 53.6#

79 58.9 34.8 52.2#

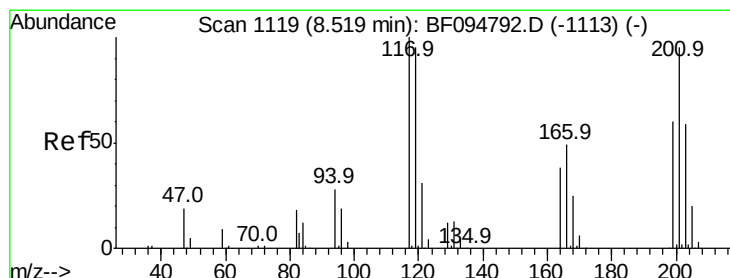
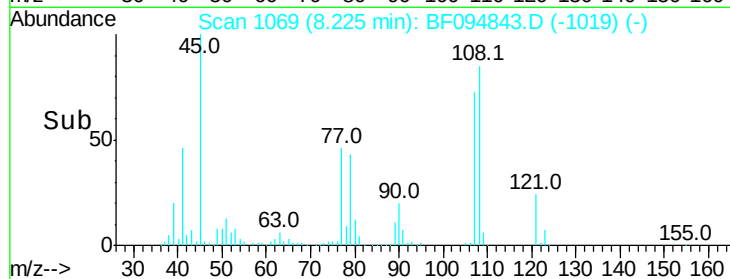
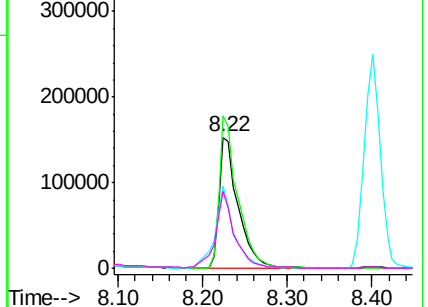


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.91 ng

RT: 8.51 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

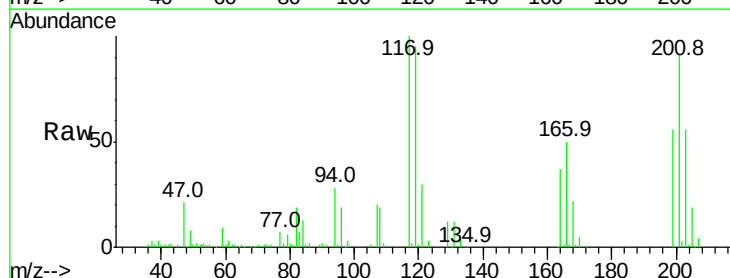
Tgt Ion:117 Resp: 105063

Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0

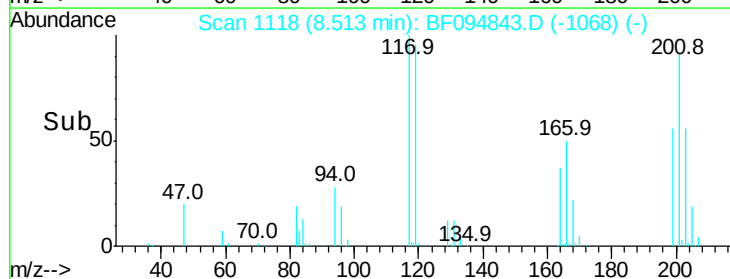
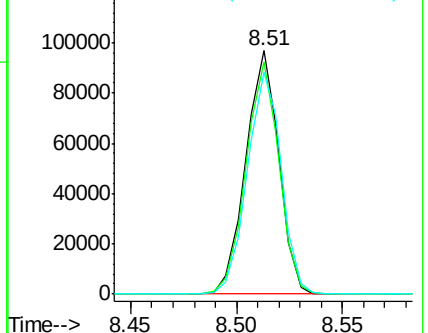
201 91.1 94.6 141.8#

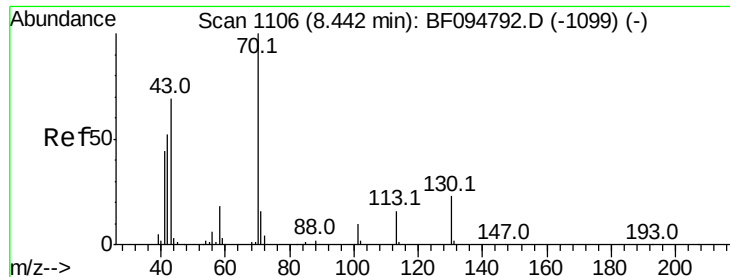


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

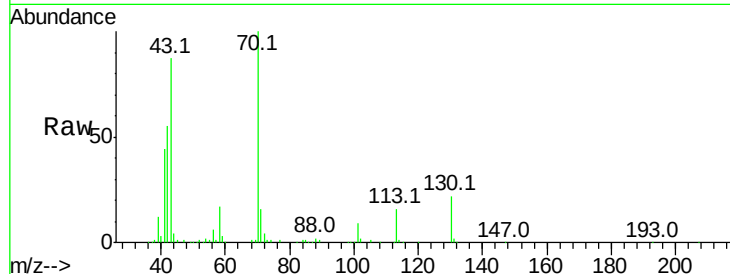




#19  
n-Nitroso-di-n-propylamine  
Concen: 48.41 ng  
RT: 8.44 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 227468  
Ion Ratio Lower Upper  
70 100  
42 55.5 47.2 70.8  
101 9.5 7.2 10.8  
130 22.2 15.9 23.9



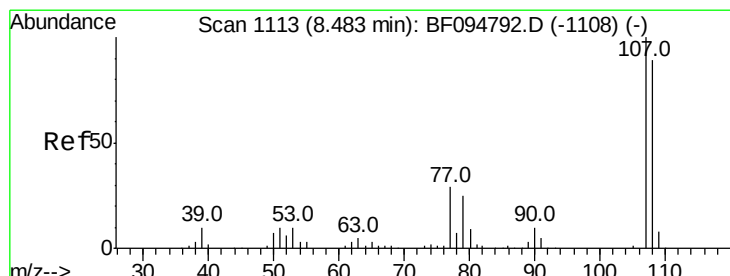
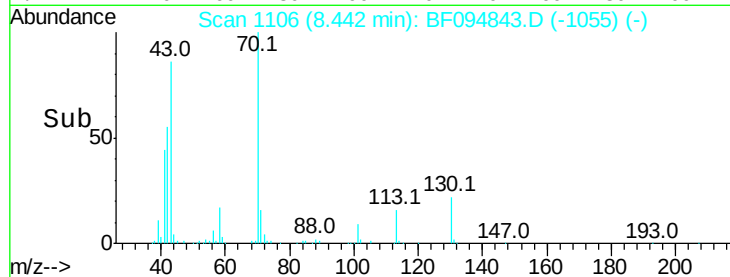
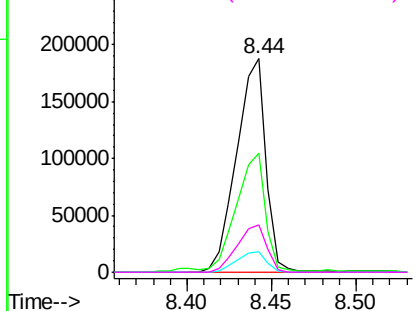
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

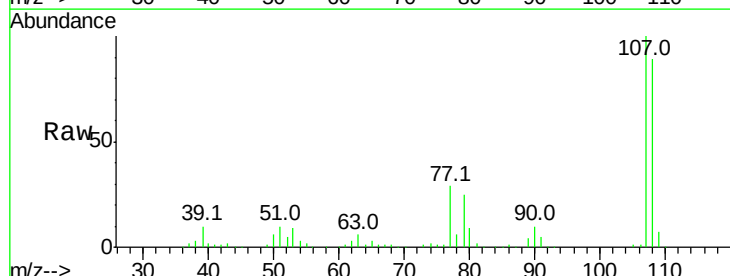
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20  
3+4-Methylphenols  
Concen: 43.87 ng  
RT: 8.48 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:107 Resp: 321525  
Ion Ratio Lower Upper  
107 100  
108 88.7 71.0 111.0  
77 28.5 90.5 130.5#  
79 24.8 8.4 48.4



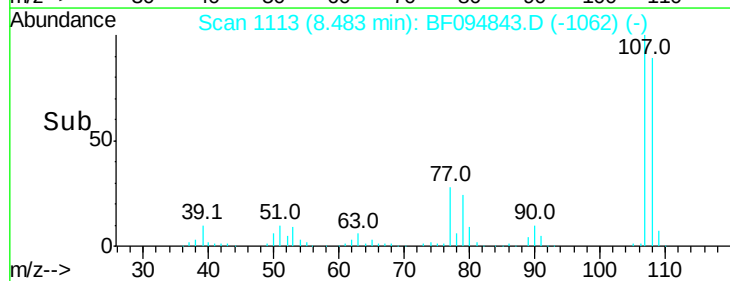
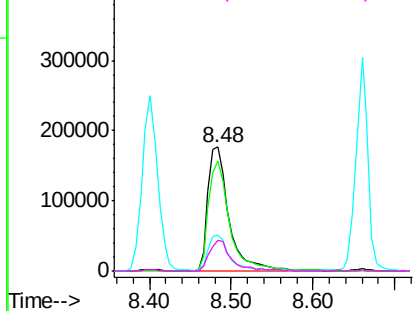
Abundance

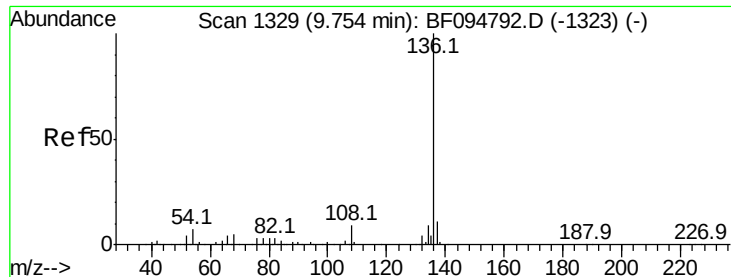
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.75 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 379232

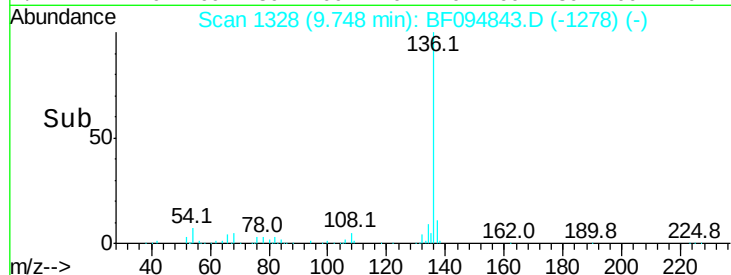
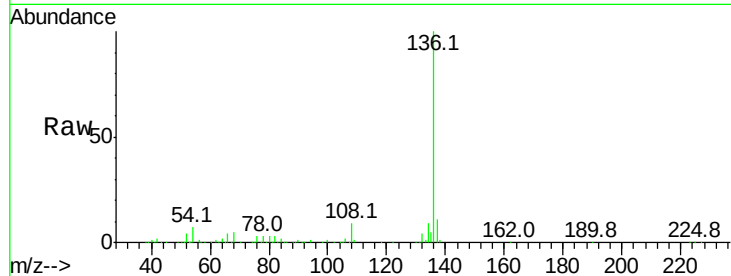
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

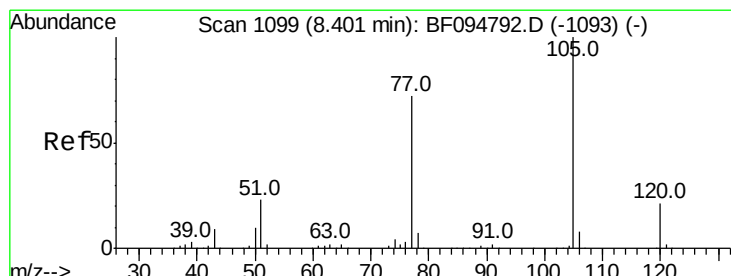
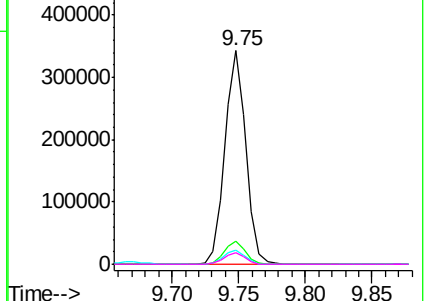


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 49.80 ng

RT: 8.40 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Tgt Ion:105 Resp: 453114

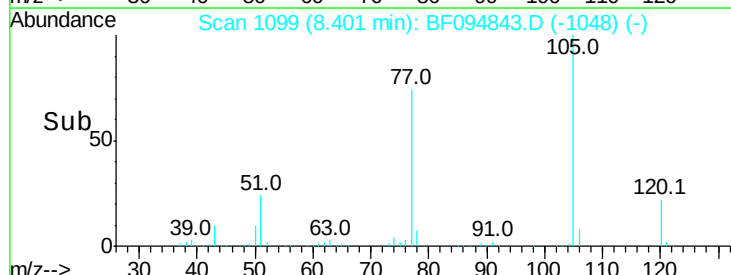
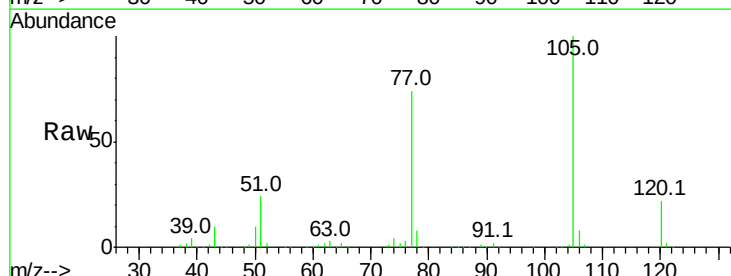
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 24.1 30.7 46.1#

120 21.7 17.4 26.0

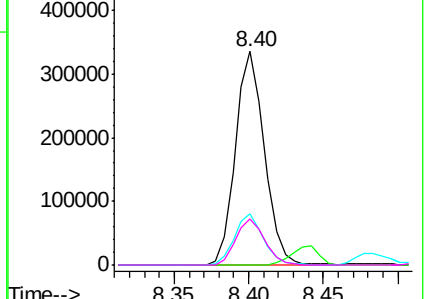


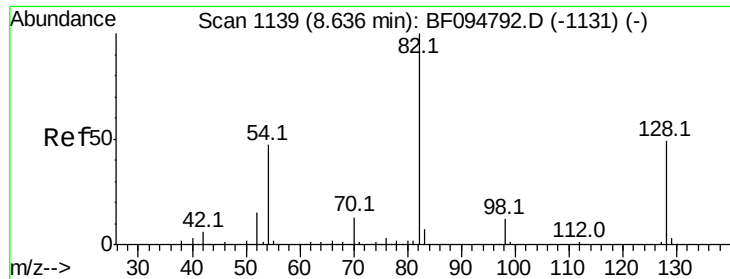
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

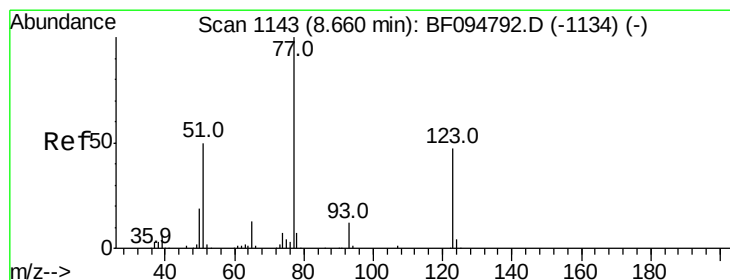
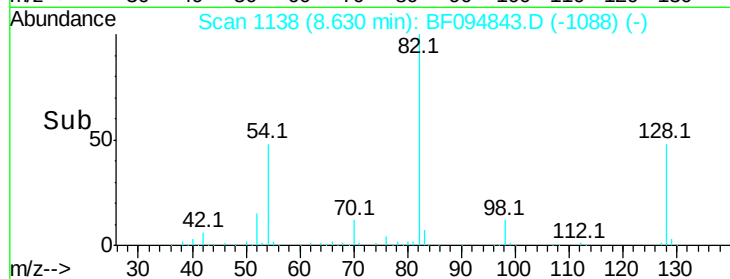
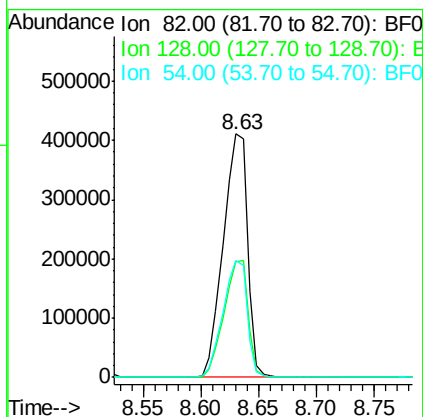
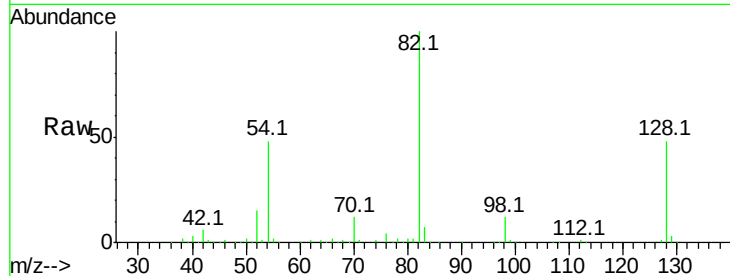




#23  
Nitrobenzene-d5  
Concen: 99.52 ng  
RT: 8.63 min Scan# 1138  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

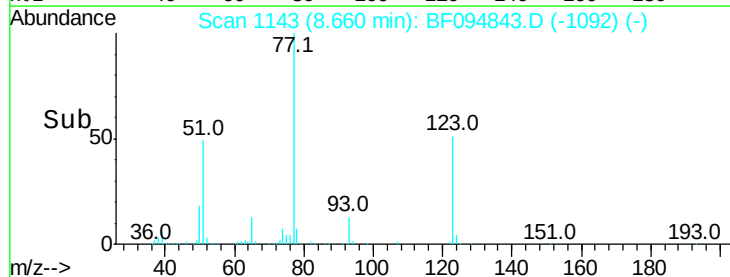
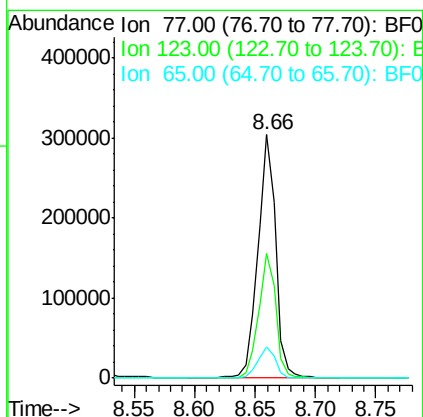
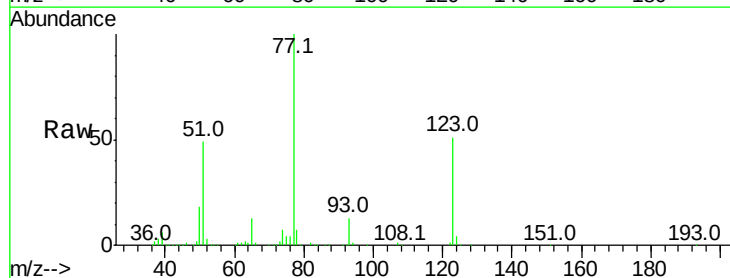
Instrument :  
BNA\_F  
ClientSampleId :

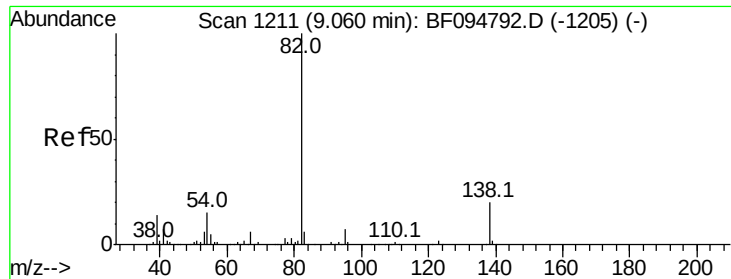
Tot Ion: 82 Resp: 598506  
Ion Ratio Lower Upper  
82 100  
128 47.7 34.0 51.0  
54 48.0 42.2 63.2



#24  
Nitrobenzene  
Concen: 49.53 ng  
RT: 8.66 min Scan# 1143  
Delta R.T. -0.00 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion: 77 Resp: 312198  
Ion Ratio Lower Upper  
77 100  
123 51.0 35.8 53.8  
65 12.8 10.6 15.8

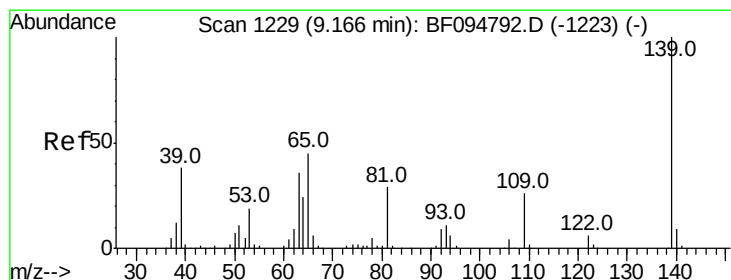
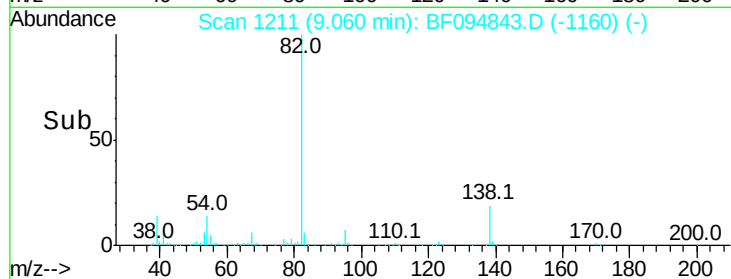
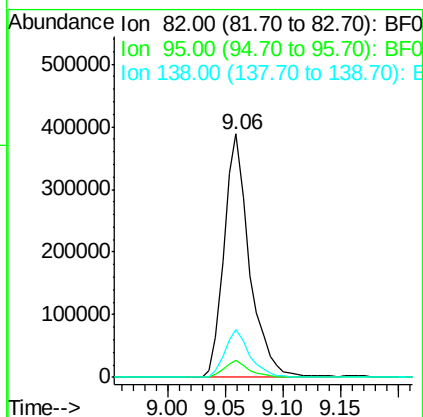
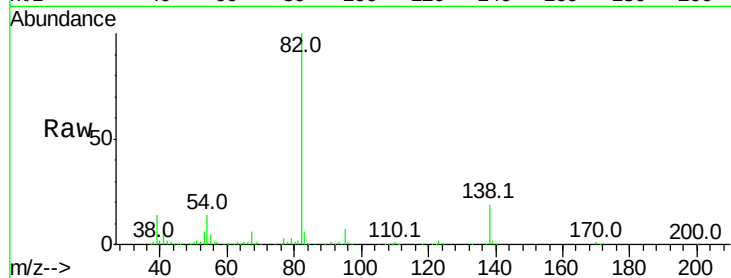




#25  
Isophorone  
Concen: 55.14 ng  
RT: 9.06 min Scan# 1211  
Delta R.T. -0.00 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

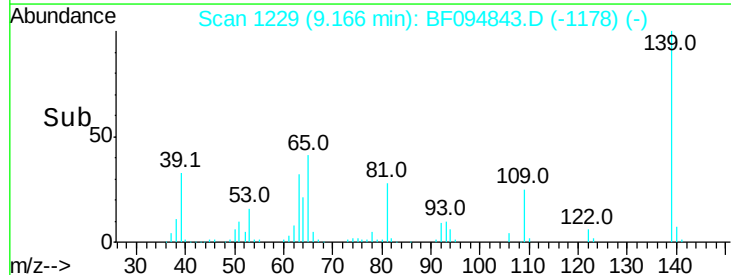
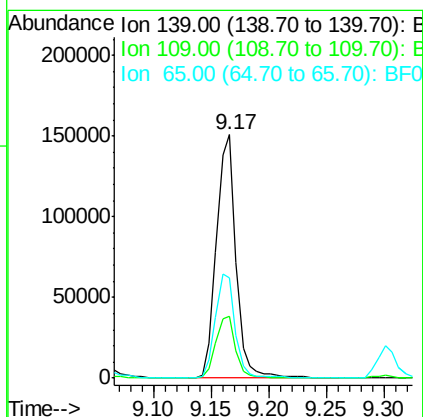
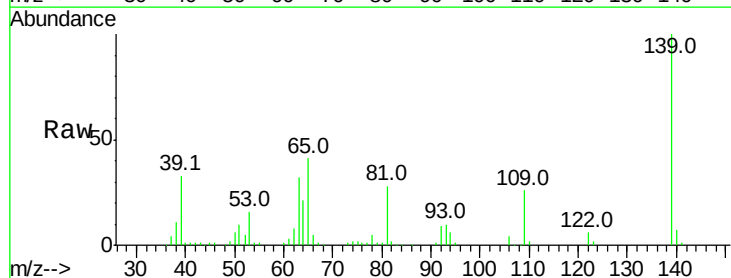
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 592144  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.3 7.9  
138 19.5 13.1 19.7

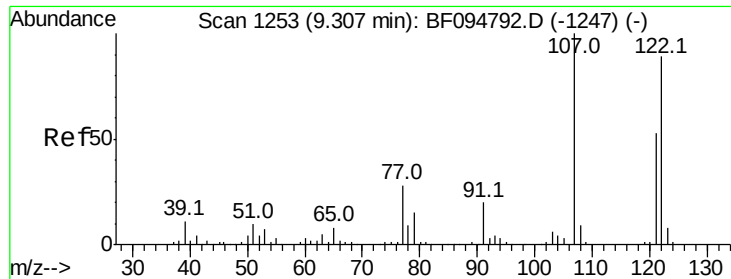


#26  
2-Nitrophenol  
Concen: 52.26 ng  
RT: 9.17 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:139 Resp: 177755  
Ion Ratio Lower Upper  
139 100  
109 25.6 21.0 31.6  
65 41.2 33.0 49.6



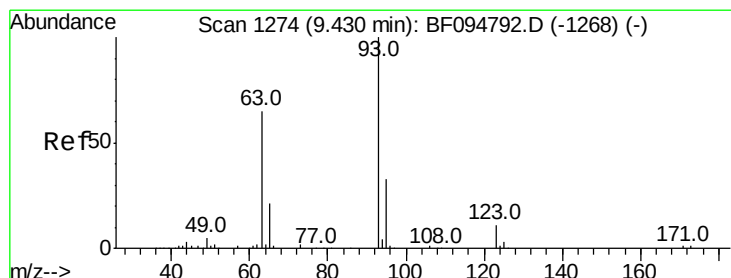
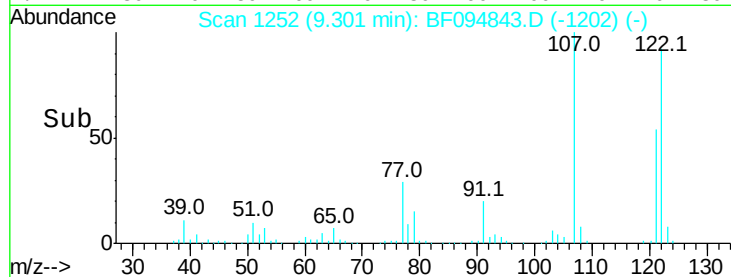
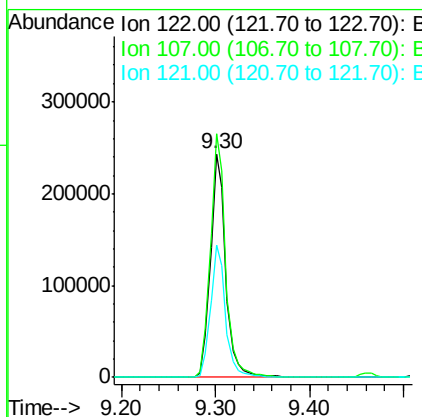
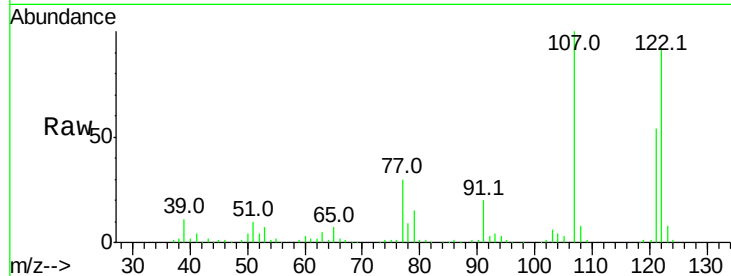




#27  
 2,4-Dimethylphenol  
 Concen: 50.94 ng  
 RT: 9.30 min Scan# 1252  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

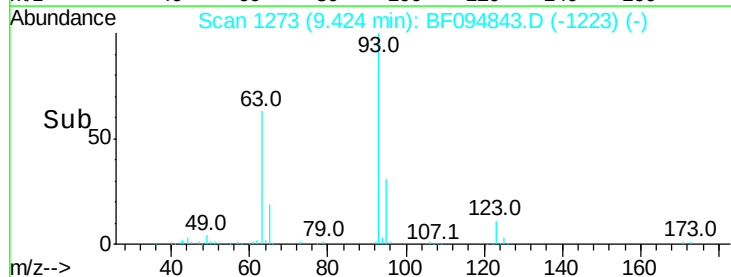
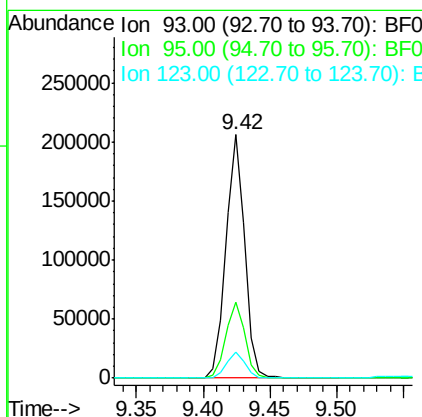
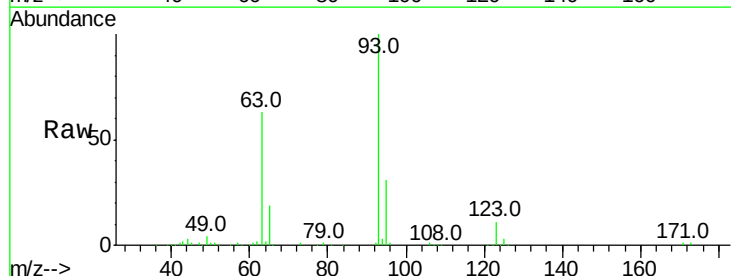
Instrument :  
 BNA\_F  
 ClientSampleId :

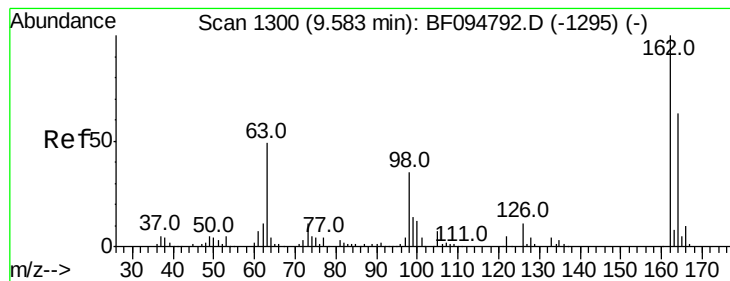
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 122   | Resp: | 280141 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 109.1 | 89.2  | 133.8  |
| 121      | 59.0  | 45.2  | 67.8   |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 27.63 ng  
 RT: 9.42 min Scan# 1273  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 205281 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 30.9  | 26.5  | 39.7   |
| 123      | 10.9  | 9.0   | 13.4   |





#29

2,4-Dichlorophenol

Concen: 52.83 ng

RT: 9.58 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampled :

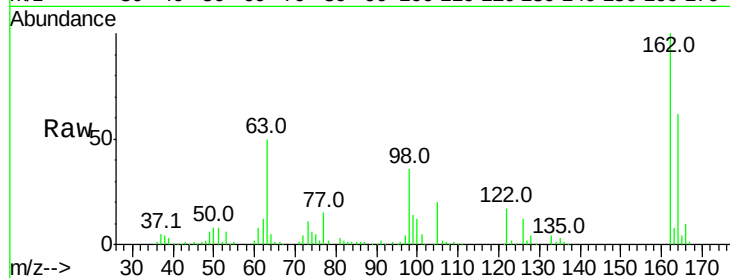
Tot Ion:162 Resp: 274322

Ion Ratio Lower Upper

162 100

164 62.3 44.6 84.6

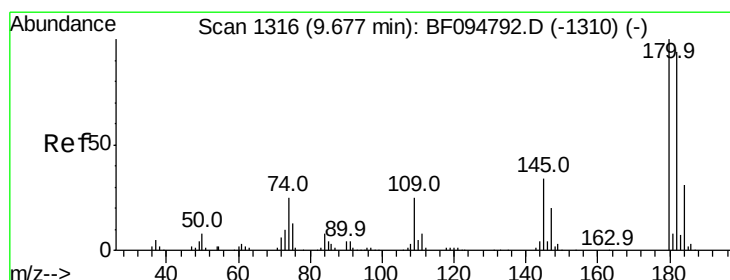
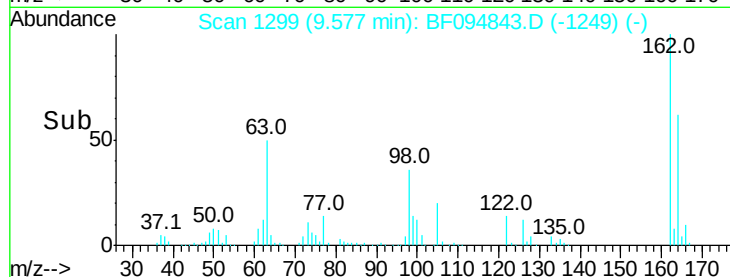
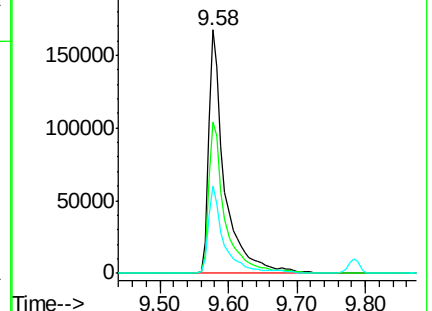
98 36.1 14.8 54.8



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): BF0



#30

1,2,4-Trichlorobenzene

Concen: 44.28 ng

RT: 9.67 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

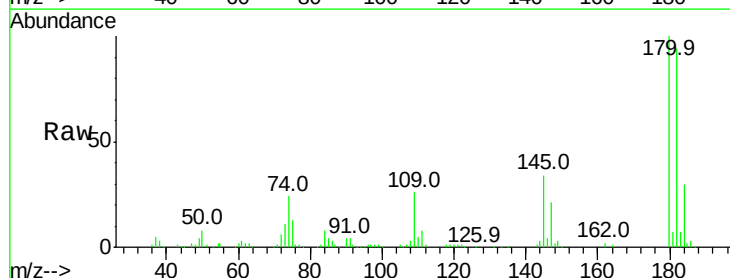
Tgt Ion:180 Resp: 246311

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.6

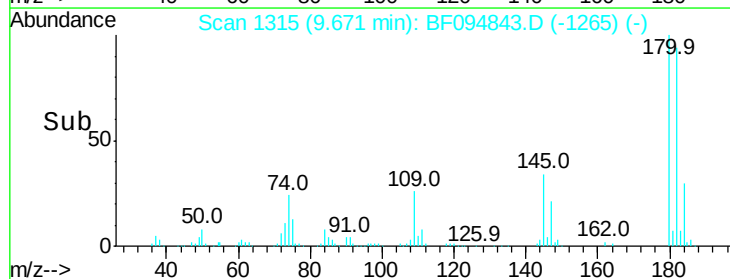
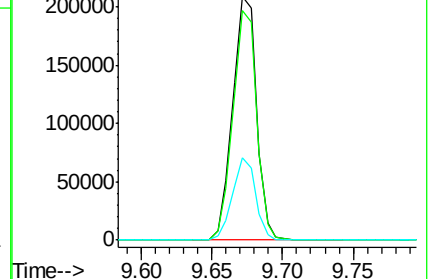
145 33.9 25.3 37.9

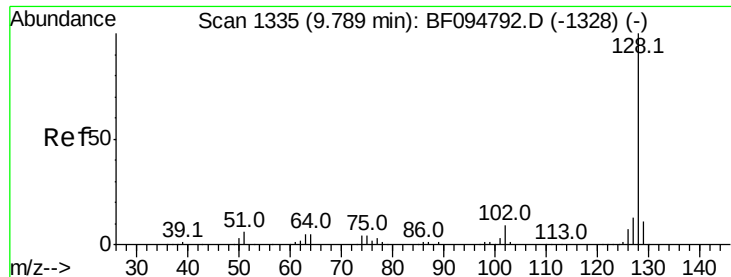


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.87 ng

RT: 9.78 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

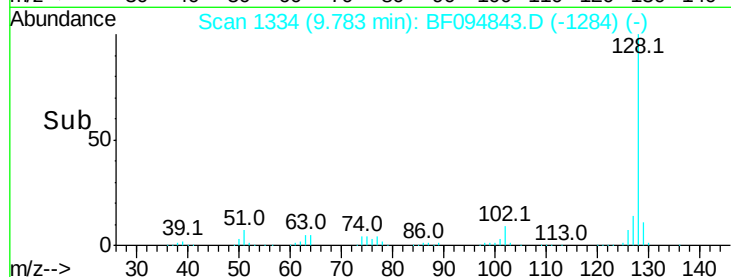
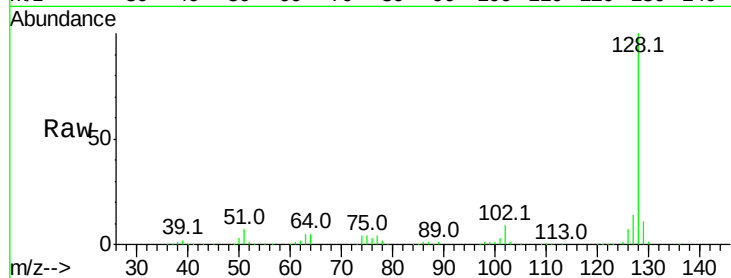
Tot Ion:128 Resp: 874267

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

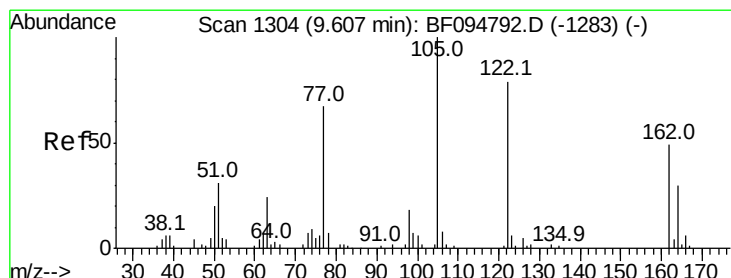
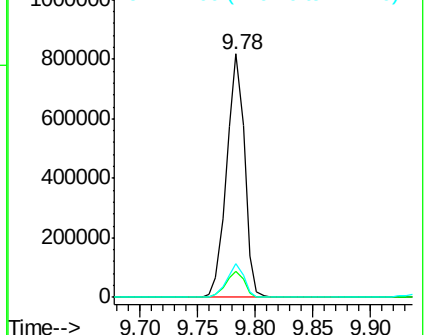
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.61 ng

RT: 9.62 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

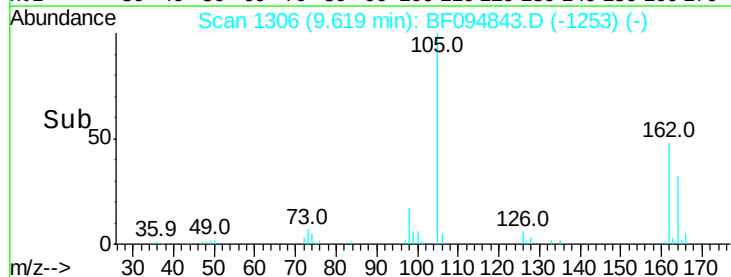
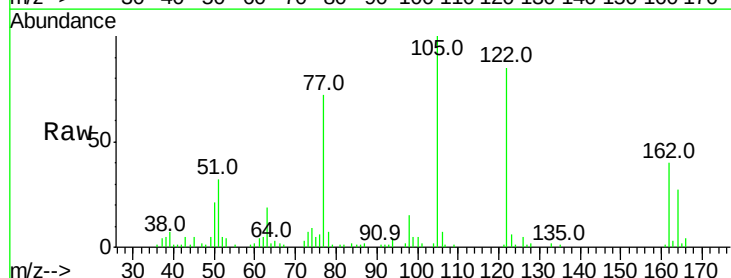
Tgt Ion:122 Resp: 175777

Ion Ratio Lower Upper

122 100

105 117.9 103.3 143.3

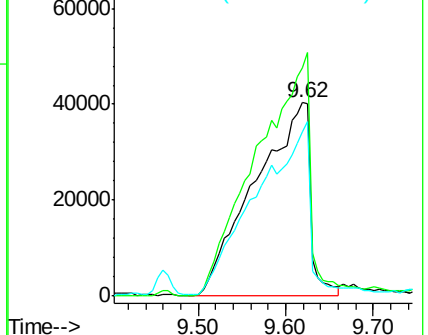
77 84.8 73.7 113.7

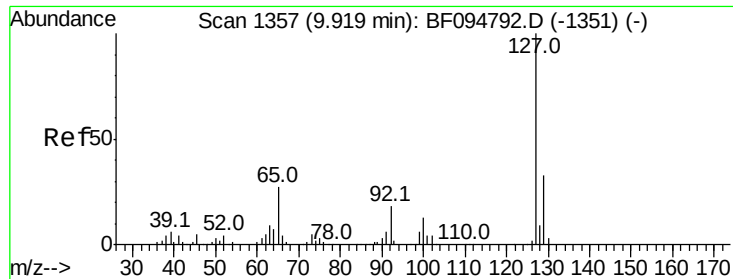


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

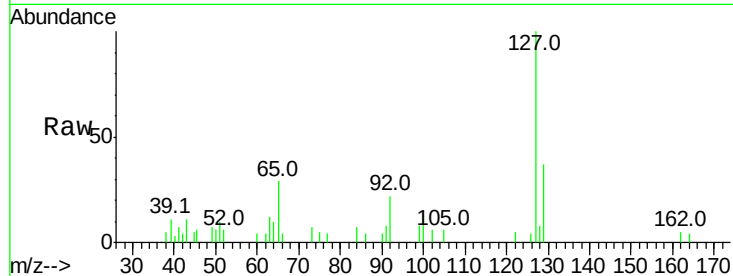




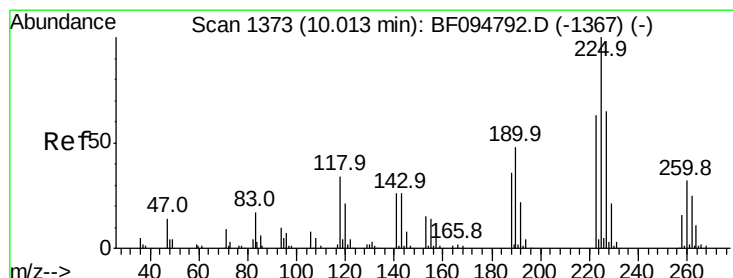
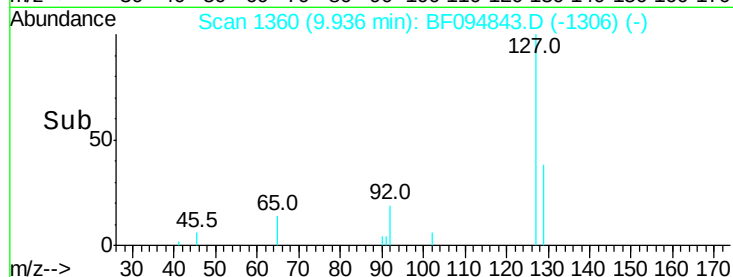
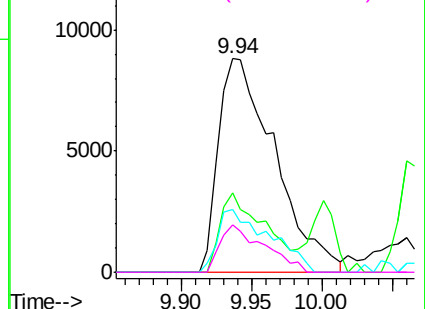
#33  
 4-Chloroaniline  
 Concen: 3.46 ng  
 RT: 9.94 min Scan# 1360  
 Delta R.T. 0.02 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 24549 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 36.9  | 26.2  | 39.2  |
| 65       | 29.2  | 27.8  | 41.8  |
| 92       | 22.3  | 16.8  | 25.2  |

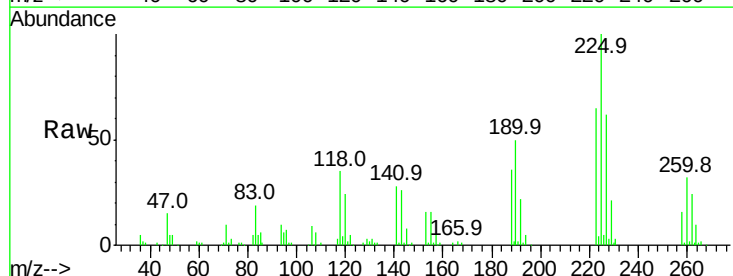


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

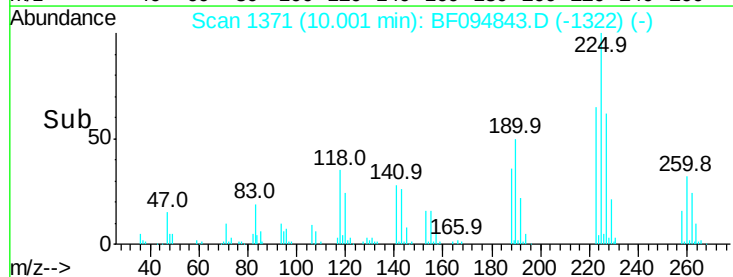
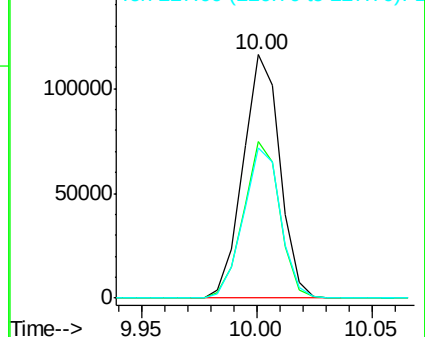


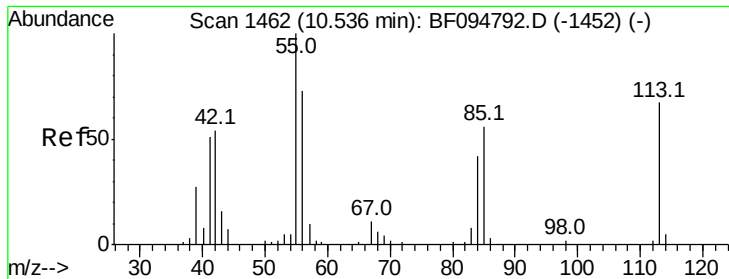
#34  
 Hexachlorobutadiene  
 Concen: 44.22 ng  
 RT: 10.00 min Scan# 1371  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 129798 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.6  | 48.8  | 73.2   |
| 227      | 61.8  | 51.1  | 76.7   |



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: 11.23 ng

RT: 10.56 min Scan# 1466

Delta R.T. 0.02 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

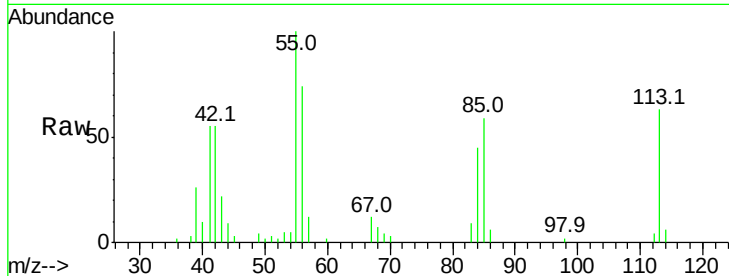
Tot Ion:113 Resp: 17514

Ion Ratio Lower Upper

113 100

55 158.5 150.2 190.2

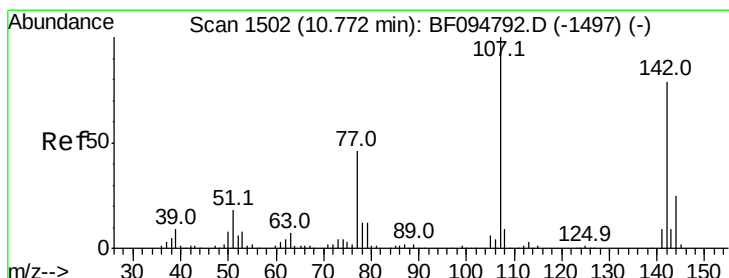
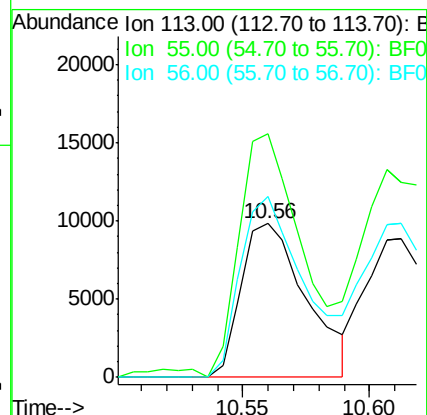
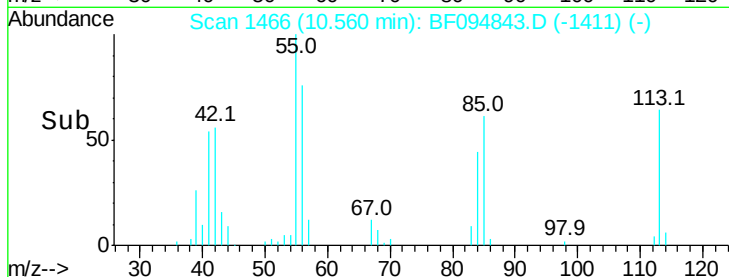
56 117.4 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 50.91 ng

RT: 10.77 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

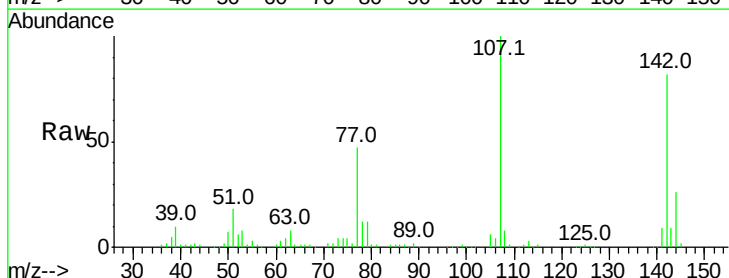
Tgt Ion:107 Resp: 282660

Ion Ratio Lower Upper

107 100

144 26.3 24.2 36.4

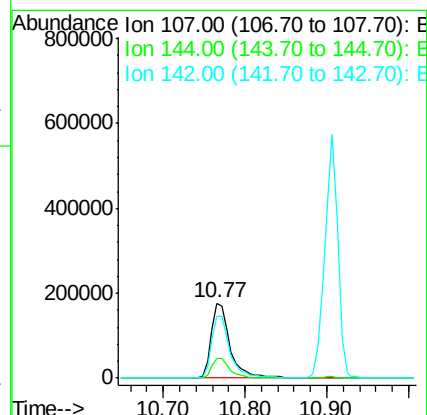
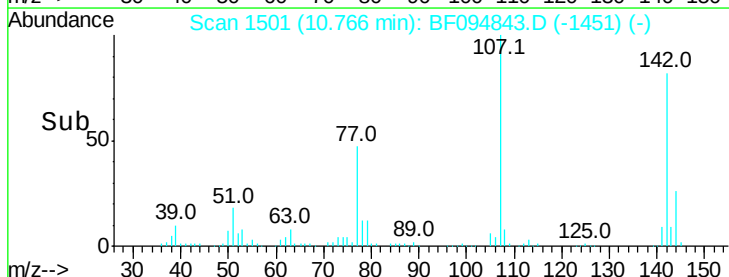
142 82.2 73.4 110.0

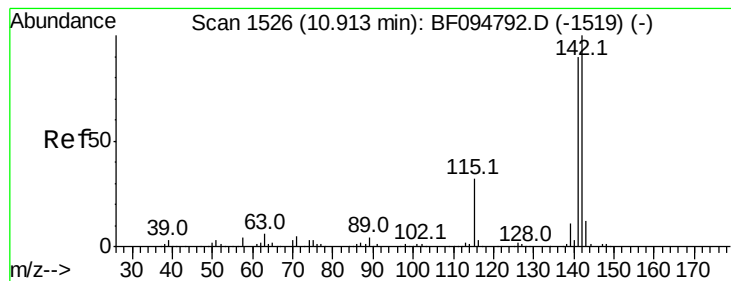


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 51.40 ng

RT: 10.91 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

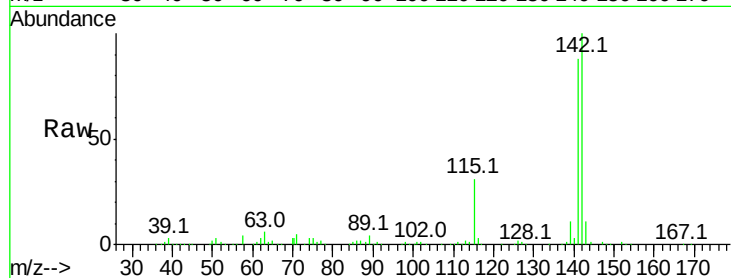
Tot Ion:142 Resp: 643003

Ion Ratio Lower Upper

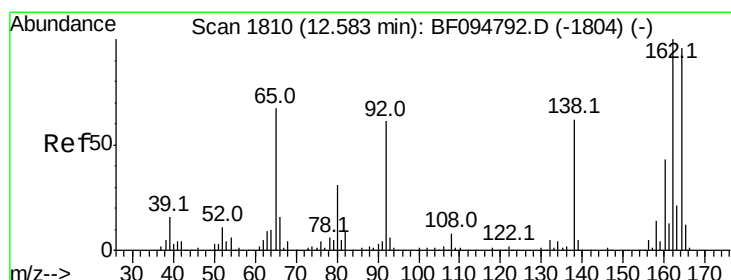
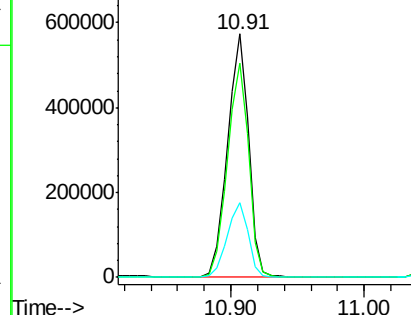
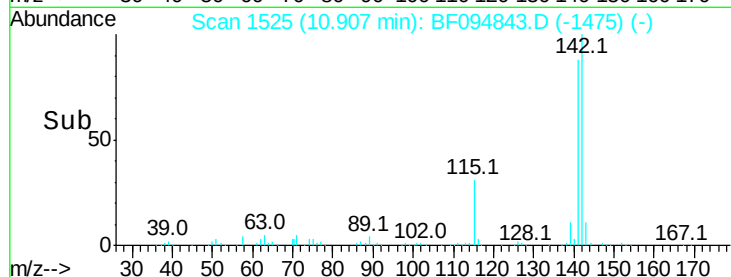
142 100

141 88.1 71.3 106.9

115 30.7 27.1 40.7



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

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.58 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

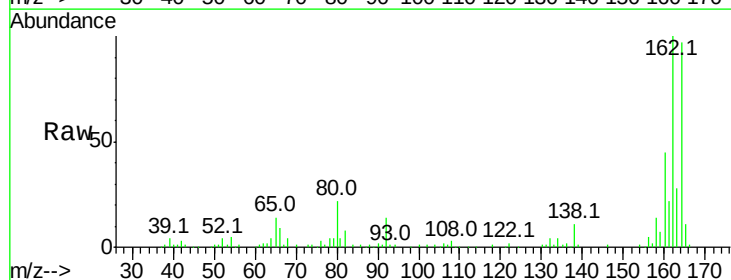
Tgt Ion:164 Resp: 174822

Ion Ratio Lower Upper

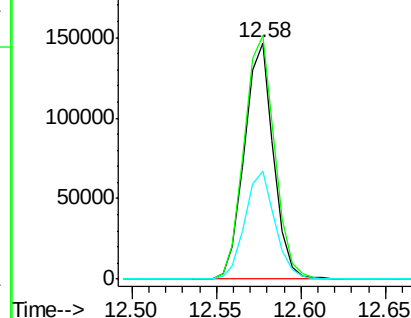
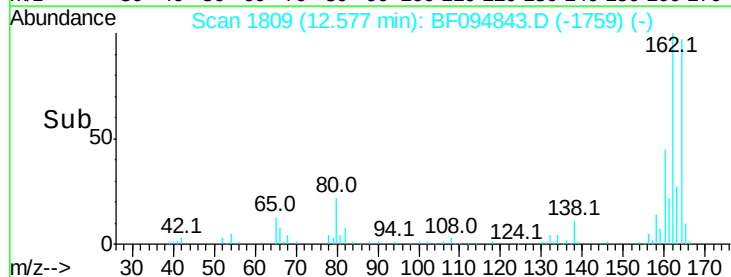
164 100

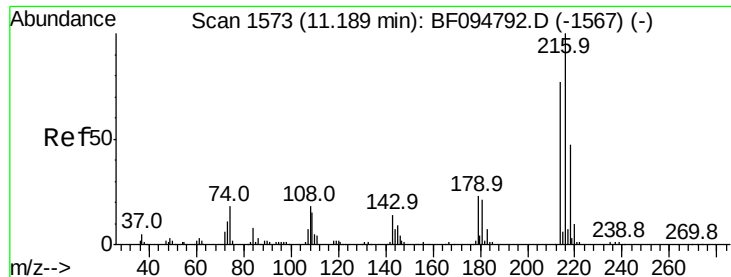
162 103.1 82.6 123.8

160 46.0 36.2 54.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.23 ng

RT: 11.18 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 248561

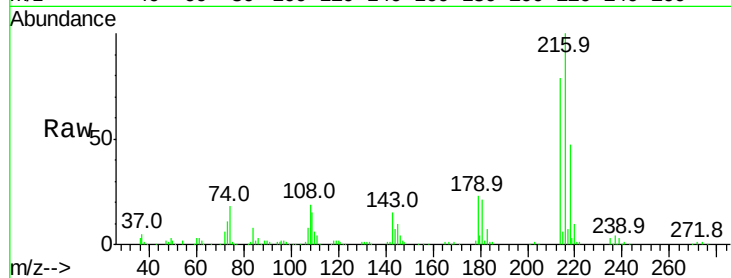
Ion Ratio Lower Upper

216 100

214 77.6 63.4 95.2

179 21.8 17.9 26.9

108 20.7 16.5 24.7

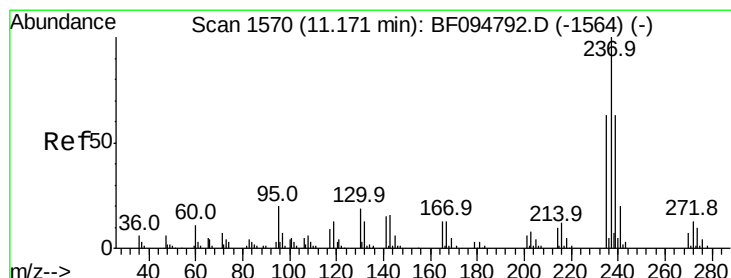
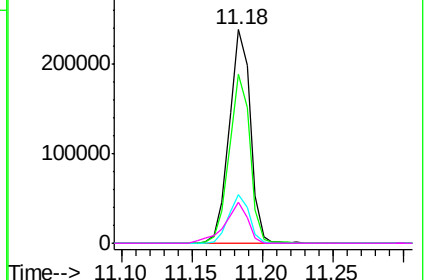
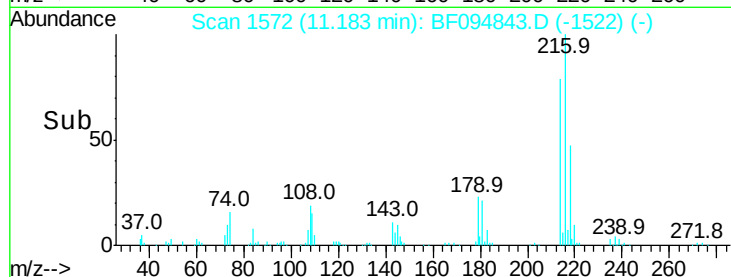


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 94.62 ng

RT: 11.17 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

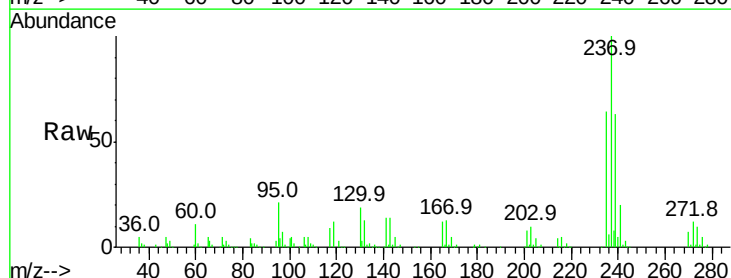
Tgt Ion:237 Resp: 216567

Ion Ratio Lower Upper

237 100

235 64.0 42.6 82.6

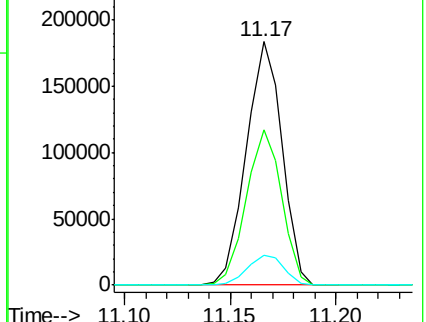
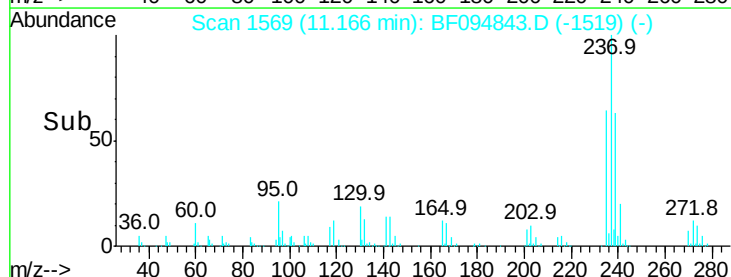
272 12.2 0.0 31.9

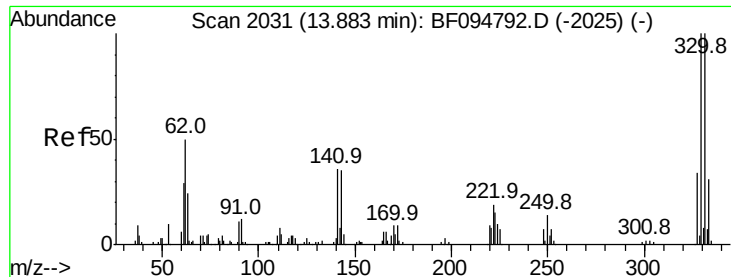


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

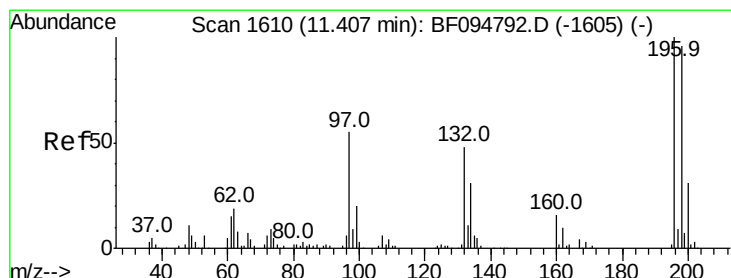
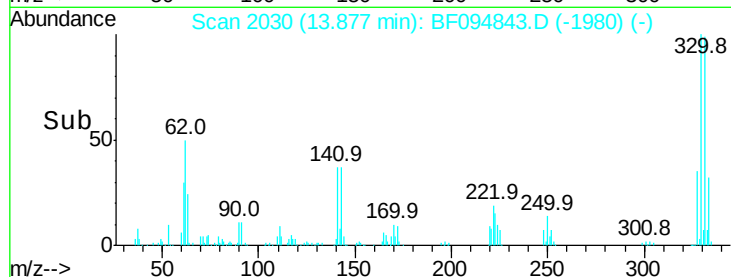
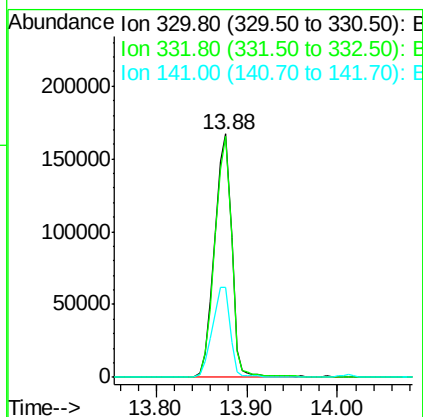
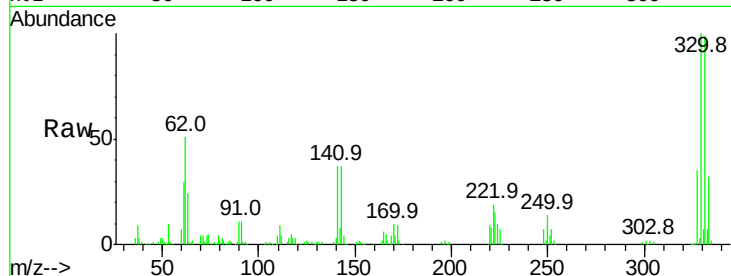




#41  
 2,4,6-Tribromophenol  
 Concen: 154.62 ng  
 RT: 13.88 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

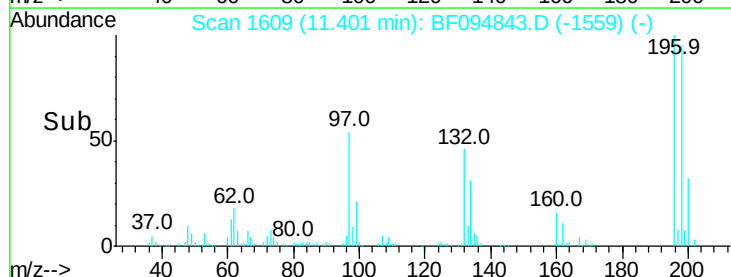
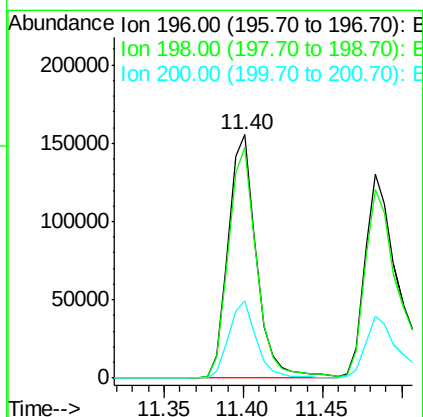
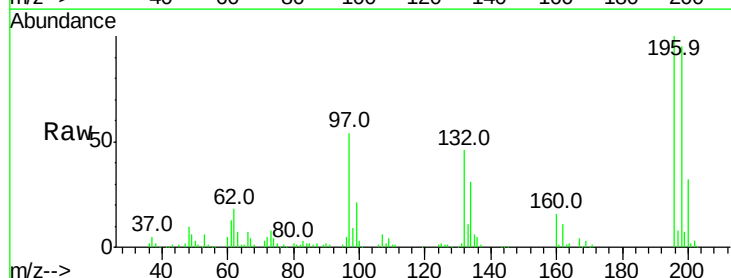
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.6  | 115.0 |
| 141     | 38.7  | 31.4  | 47.2  |

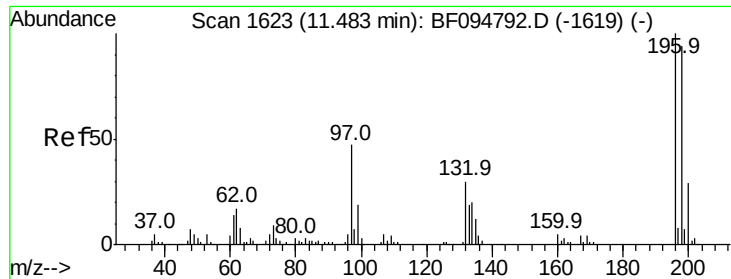


#42  
 2,4,6-Trichlorophenol  
 Concen: 53.58 ng  
 RT: 11.40 min Scan# 1609  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.8  | 74.2  | 111.4 |
| 200     | 31.8  | 24.0  | 36.0  |



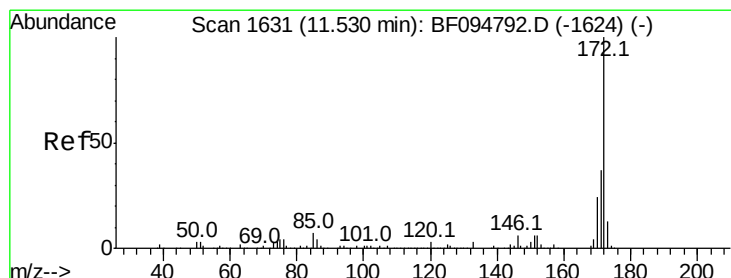
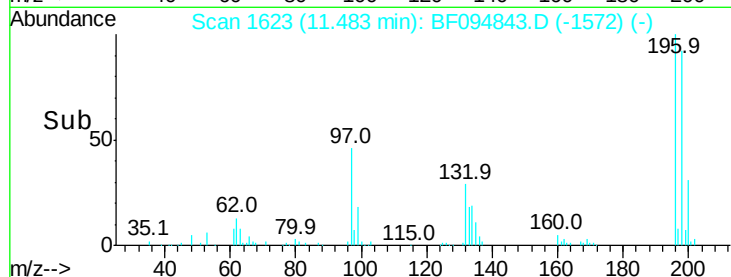
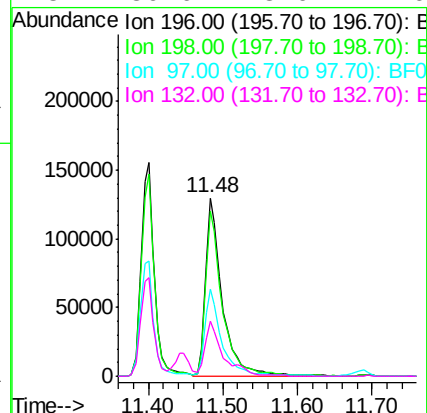
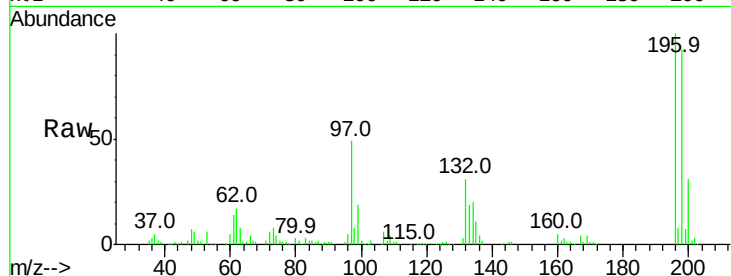




#43  
 2,4,5-Trichlorophenol  
 Concen: 53.54 ng  
 RT: 11.48 min Scan# 1623  
 Delta R.T. -0.00 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

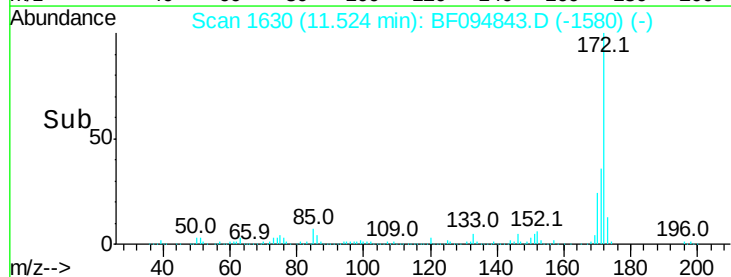
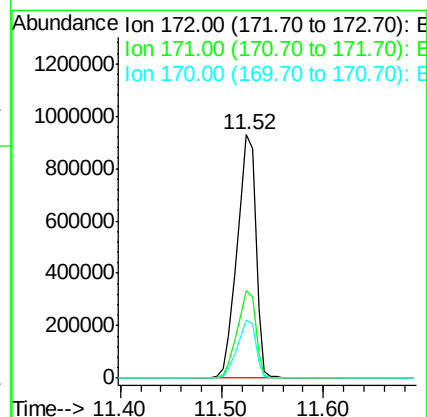
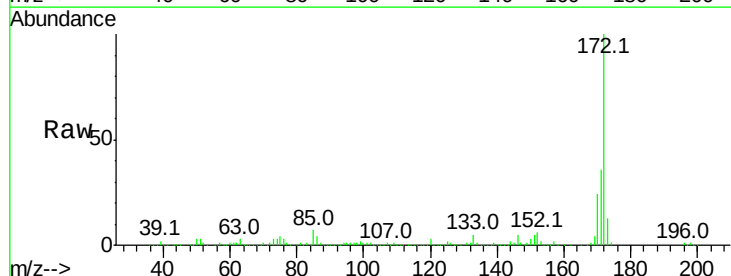
Instrument :  
 BNA\_F  
 ClientSampleId :

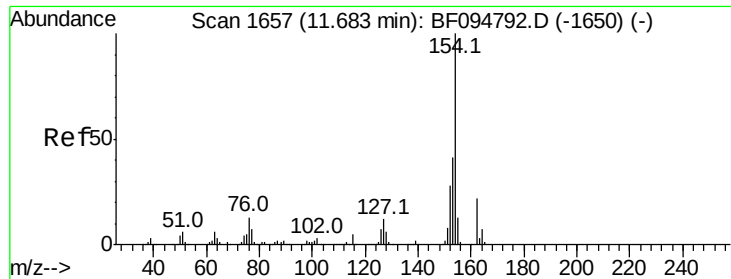
Tot Ion:196 Resp: 206579  
 Ion Ratio Lower Upper  
 196 100  
 198 92.4 75.7 113.5  
 97 48.9 47.7 71.5  
 132 30.6 28.0 42.0



#44  
 2-Fluorobiphenyl  
 Concen: 98.78 ng  
 RT: 11.52 min Scan# 1630  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:172 Resp: 1199825  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.6 44.4  
 170 24.0 19.8 29.8





#45

1,1'-Biphenyl

Concen: 50.49 ng

RT: 11.68 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

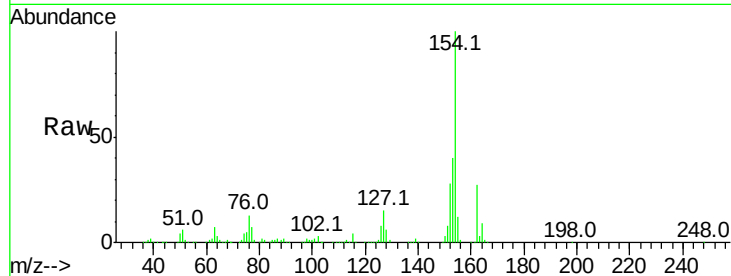
Tot Ion:154 Resp: 743168

Ion Ratio Lower Upper

154 100

153 40.0 21.2 61.2

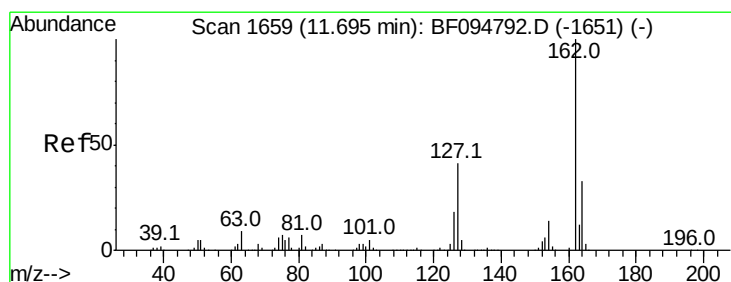
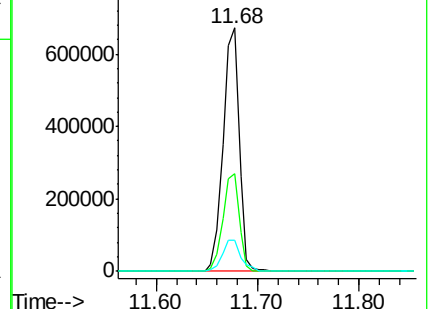
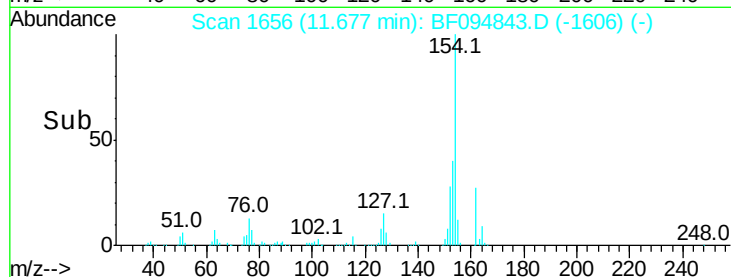
76 12.7 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 48.88 ng

RT: 11.69 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

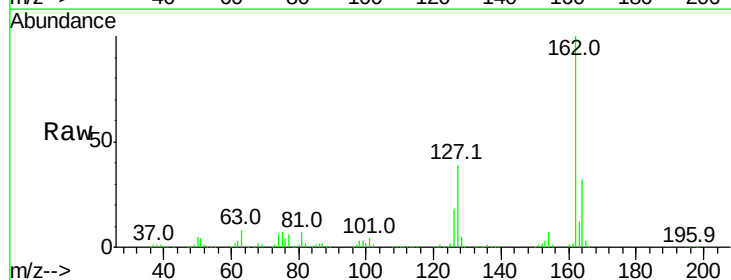
Tgt Ion:162 Resp: 580975

Ion Ratio Lower Upper

162 100

127 39.3 28.3 42.5

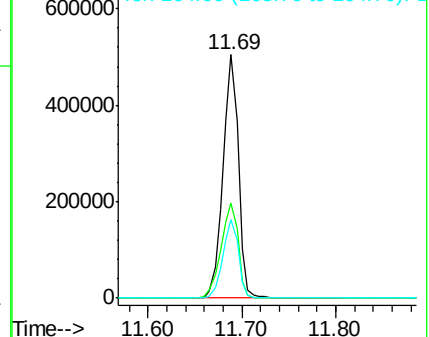
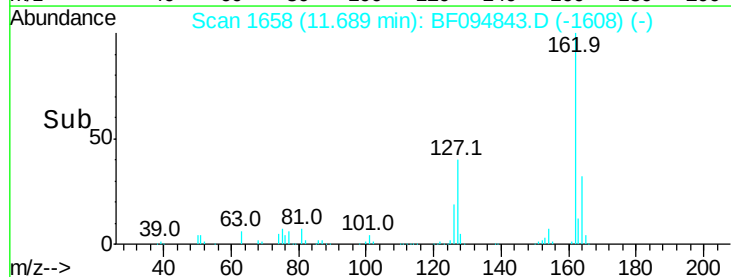
164 32.0 27.0 40.4

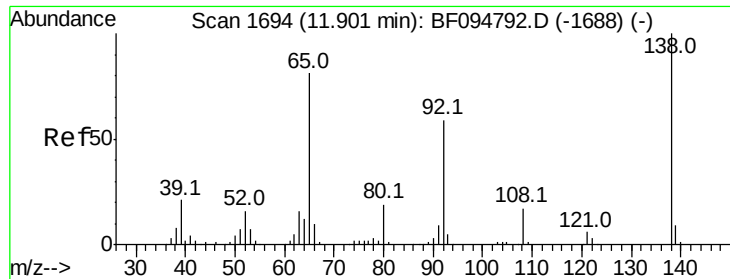


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 32.12 ng

RT: 11.89 min Scan# 1693

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampled :

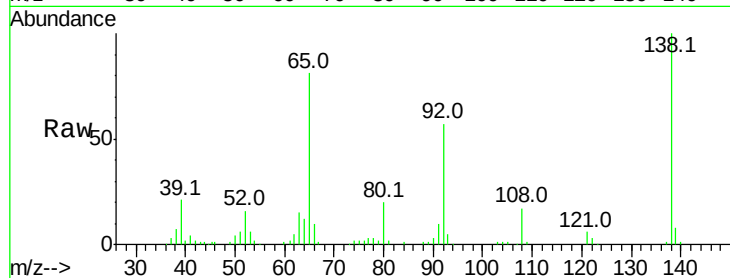
Tot Ion: 65 Resp: 104479

Ion Ratio Lower Upper

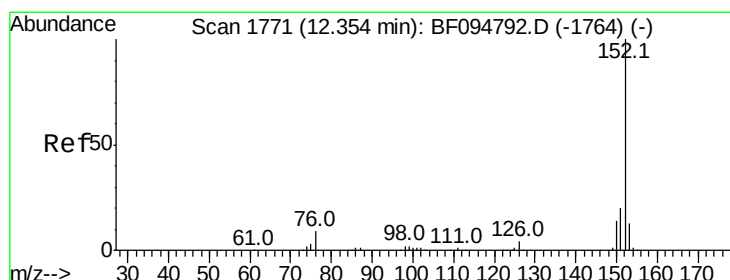
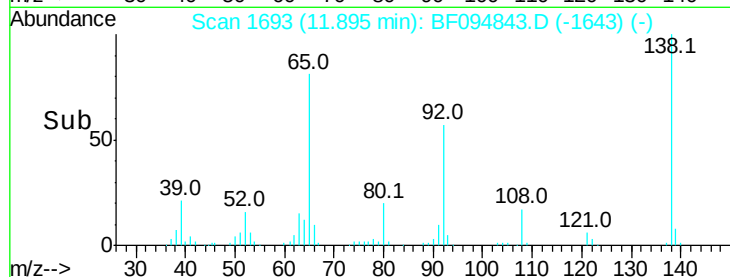
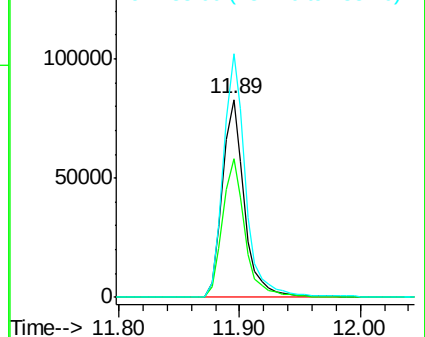
65 100

92 69.9 53.9 80.9

138 123.2 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 40.87 ng

RT: 12.35 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

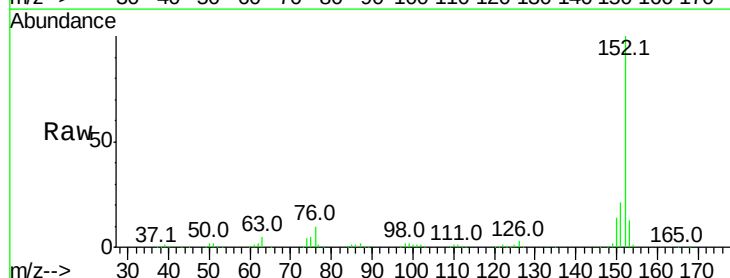
Tgt Ion: 152 Resp: 760807

Ion Ratio Lower Upper

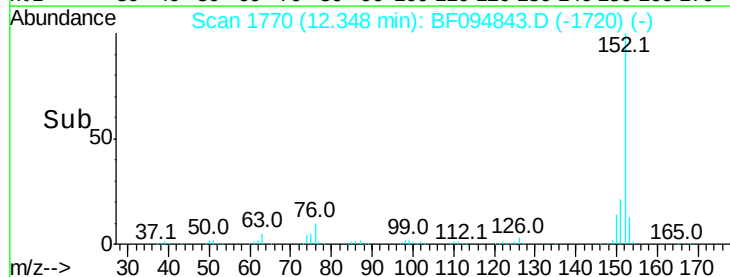
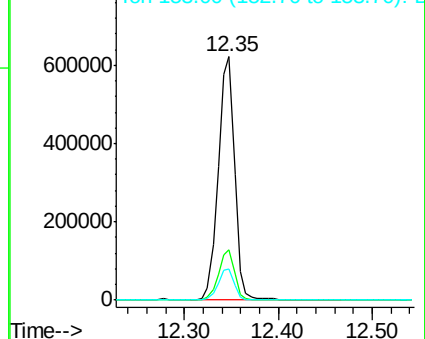
152 100

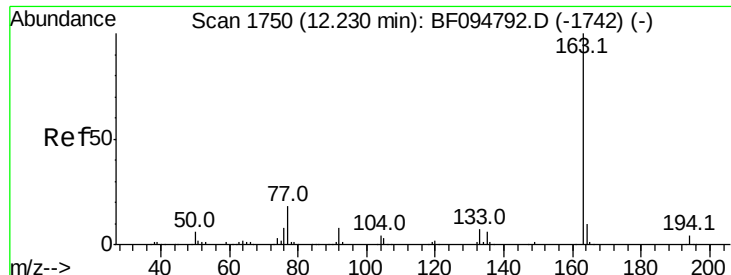
151 20.6 16.8 25.2

153 12.9 10.8 16.2



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





#49

Dimethylphthalate

Concen: 51.45 ng

RT: 12.22 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

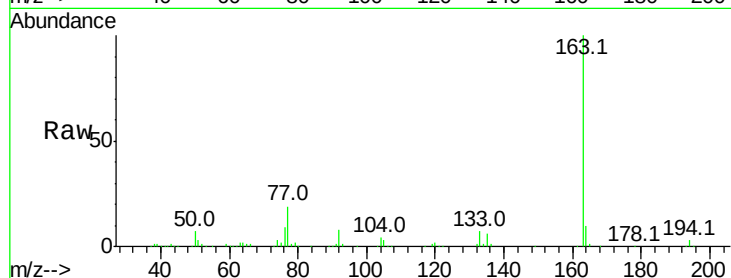
Tot Ion:163 Resp: 738466

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

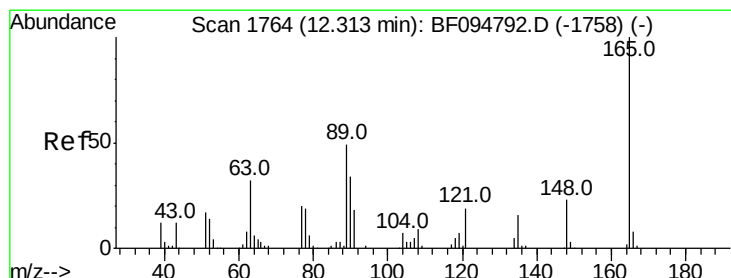
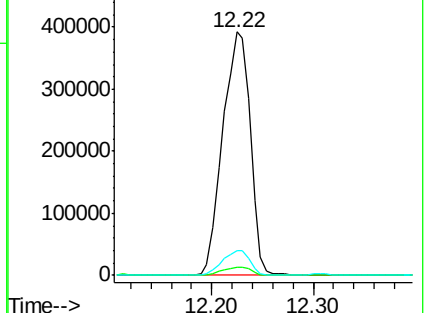
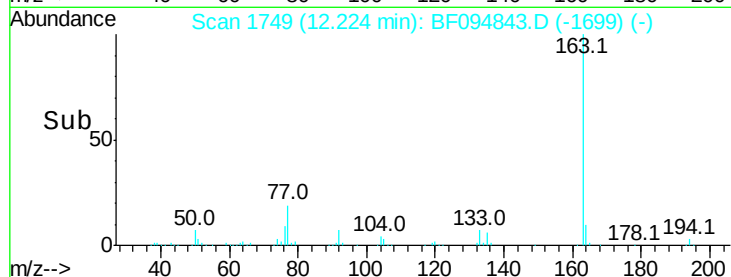
164 10.1 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 55.18 ng

RT: 12.31 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

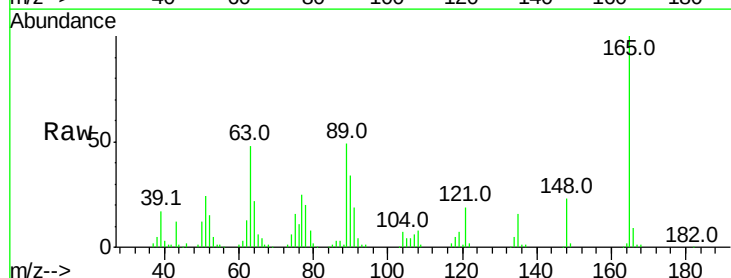
Tgt Ion:165 Resp: 161579

Ion Ratio Lower Upper

165 100

63 48.5 34.3 51.5

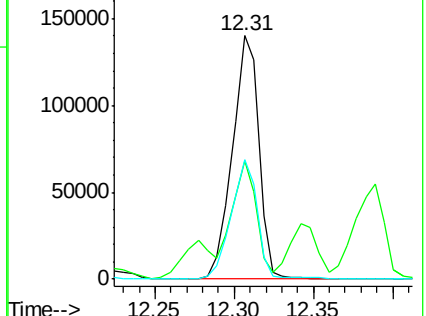
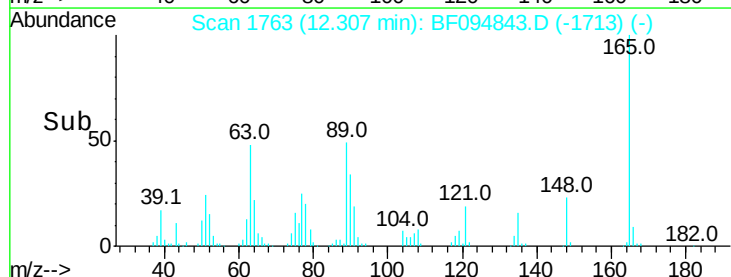
89 48.9 37.1 55.7

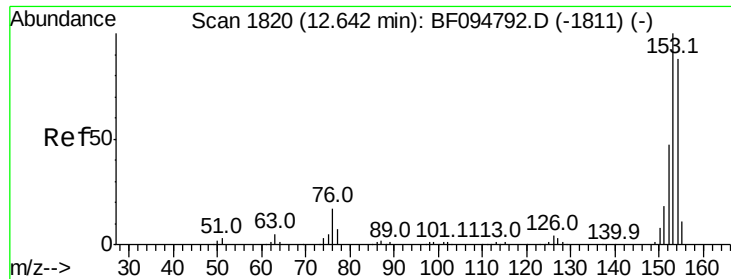


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 48.96 ng

RT: 12.63 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

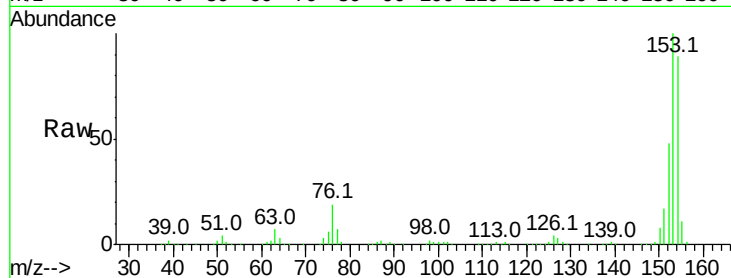
Tot Ion:154 Resp: 544427

Ion Ratio Lower Upper

154 100

153 112.4 90.5 135.7

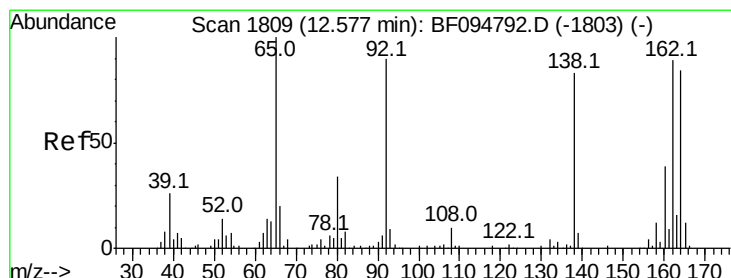
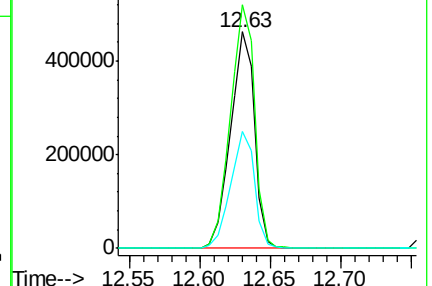
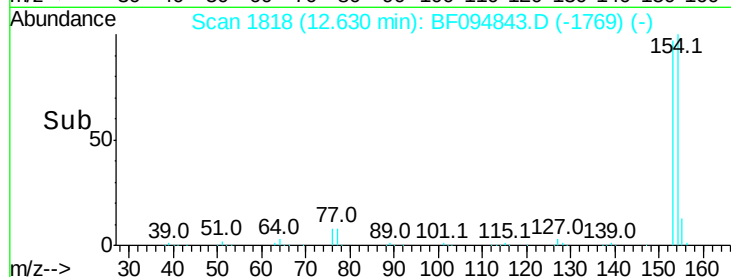
152 53.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 8.46 ng

RT: 12.58 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

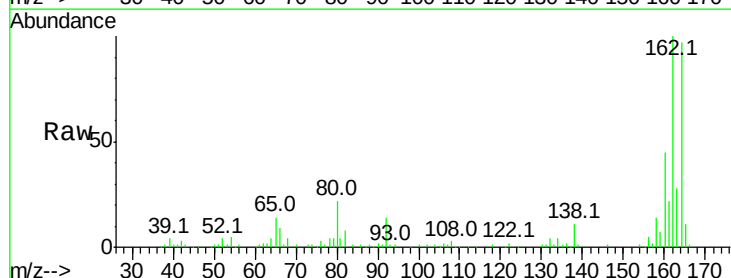
Tgt Ion:138 Resp: 26599

Ion Ratio Lower Upper

138 100

108 26.7 9.1 13.7#

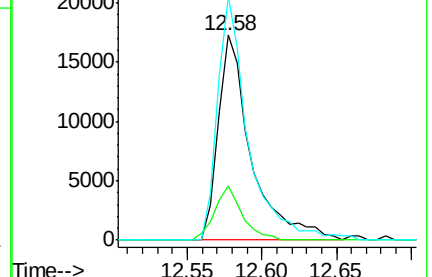
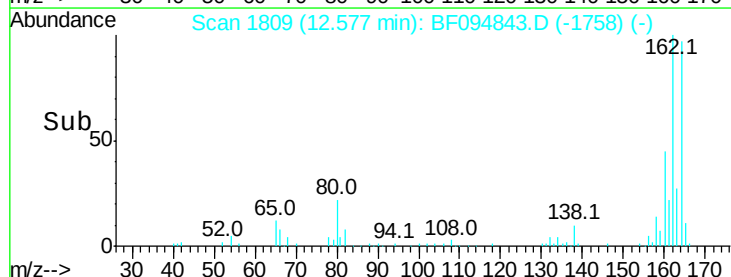
92 118.8 93.8 140.6

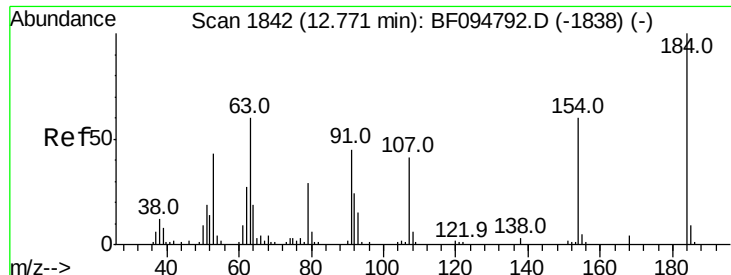


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

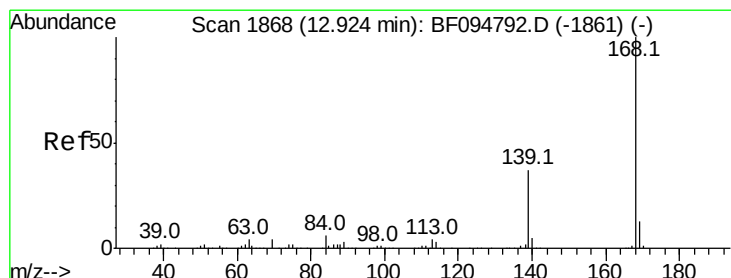
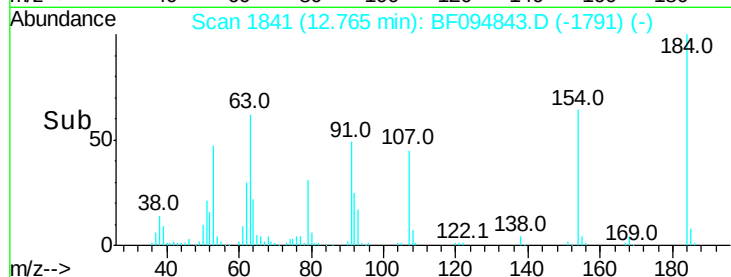
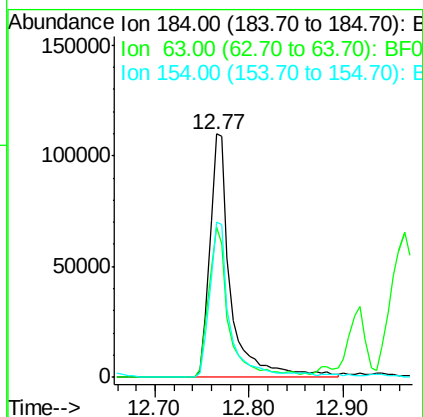
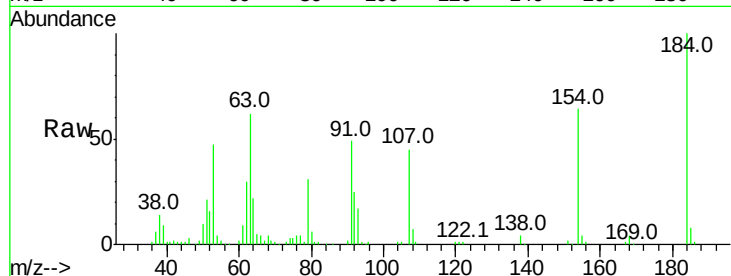




#53  
 2,4-Dinitrophenol  
 Concen: 105.32 ng  
 RT: 12.77 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

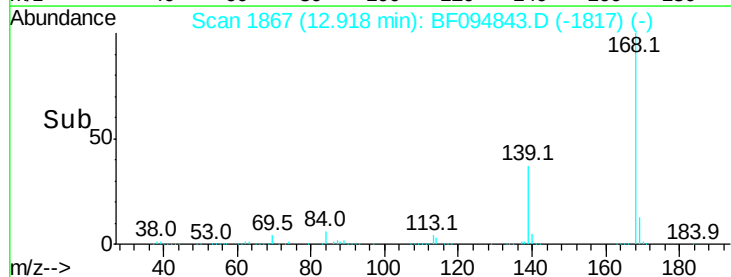
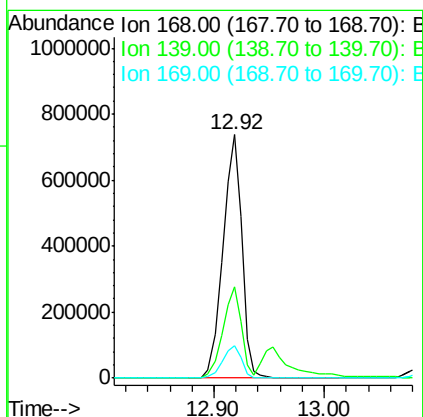
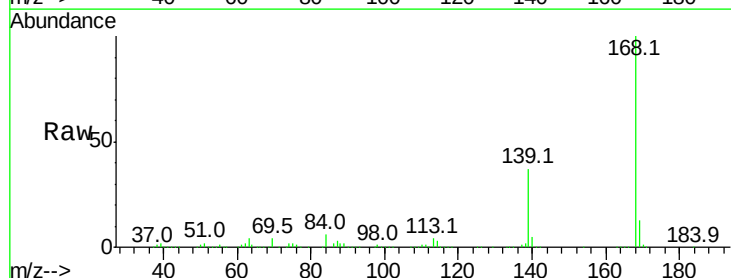
Instrument :  
 BNA\_F  
 ClientSampled :

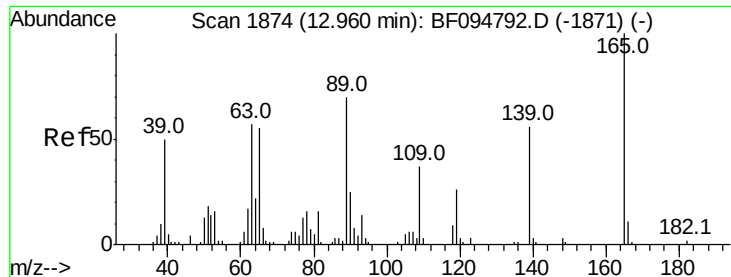
Tot Ion:184 Resp: 173298  
 Ion Ratio Lower Upper  
 184 100  
 63 61.7 62.7 94.1#  
 154 63.8 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 57.27 ng  
 RT: 12.92 min Scan# 1867  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:168 Resp: 881117  
 Ion Ratio Lower Upper  
 168 100  
 139 37.4 30.6 45.8  
 169 13.1 10.8 16.2

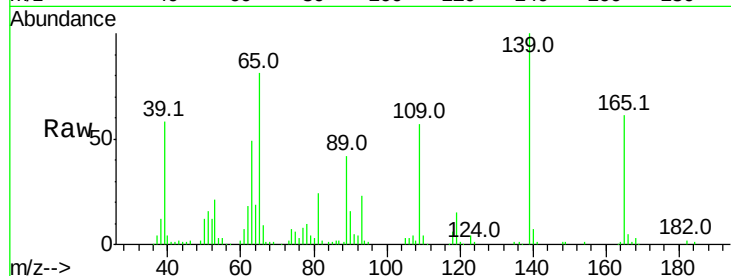




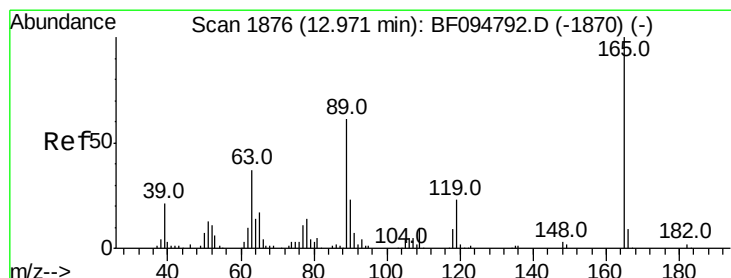
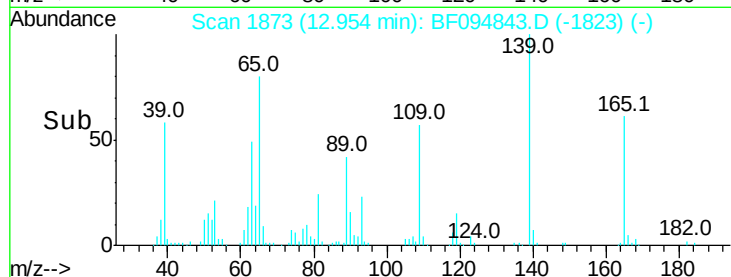
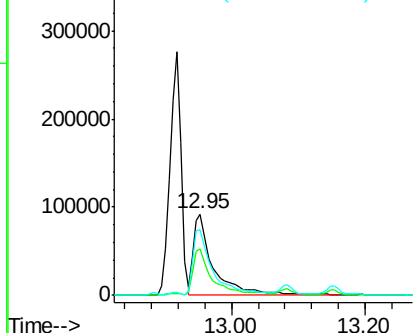
#55  
4-Nitrophenol  
Concen: 97.25 ng  
RT: 12.95 min Scan# 1873  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:139 Resp: 183552  
Ion Ratio Lower Upper  
139 100  
109 57.4 34.1 74.1  
65 81.1 31.4 71.4#

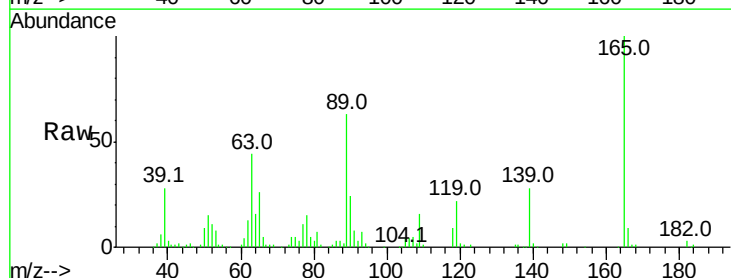


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

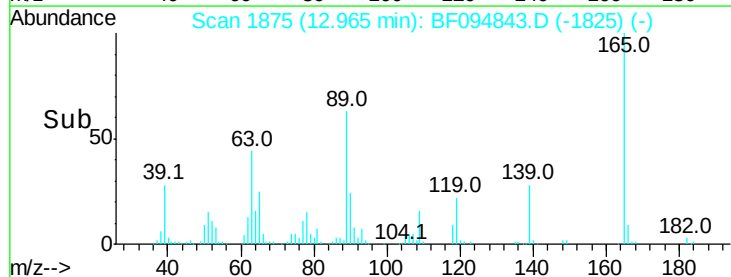
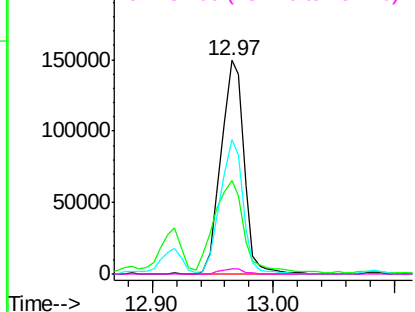


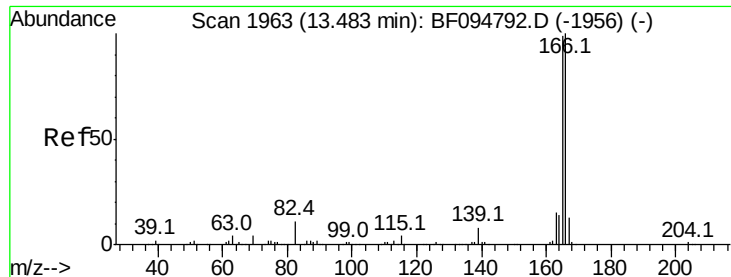
#56  
2,4-Dinitrotoluene  
Concen: 52.43 ng  
RT: 12.97 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:165 Resp: 197244  
Ion Ratio Lower Upper  
165 100  
63 43.9 25.4 38.0#  
89 63.1 46.4 69.6  
182 2.5 1.8 2.6



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

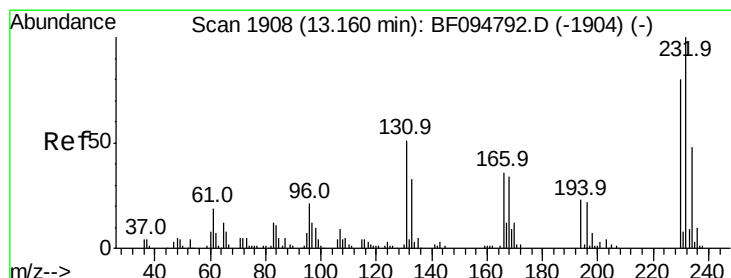
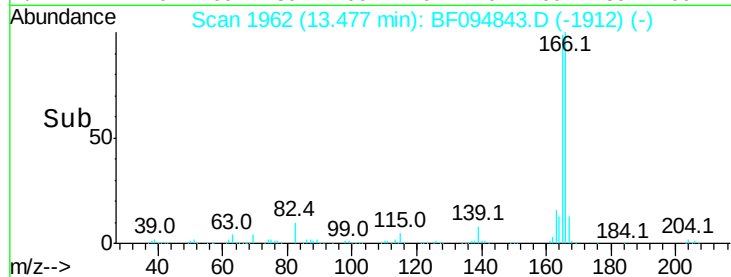
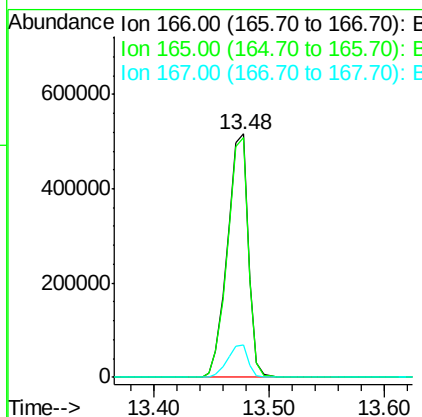
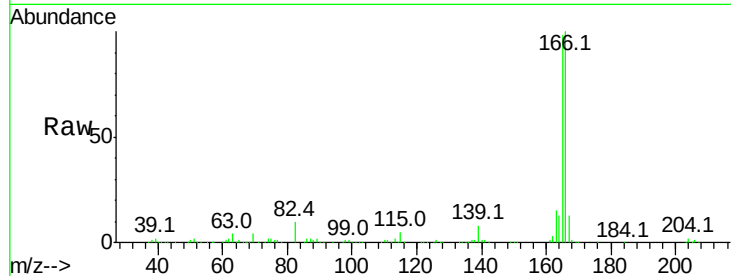




#57  
 Fluorene  
 Concen: 48.33 ng  
 RT: 13.48 min Scan# 1962  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

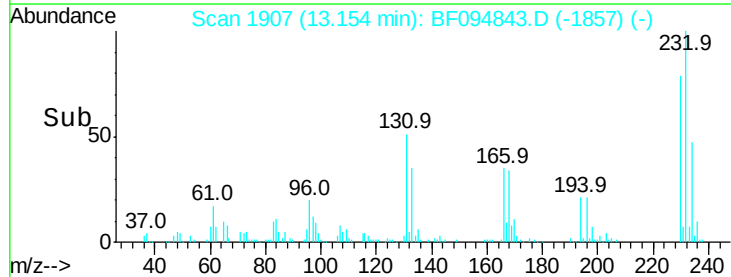
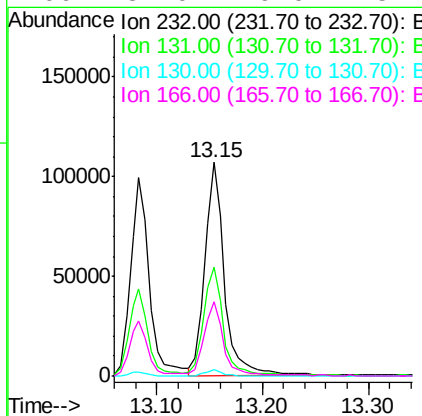
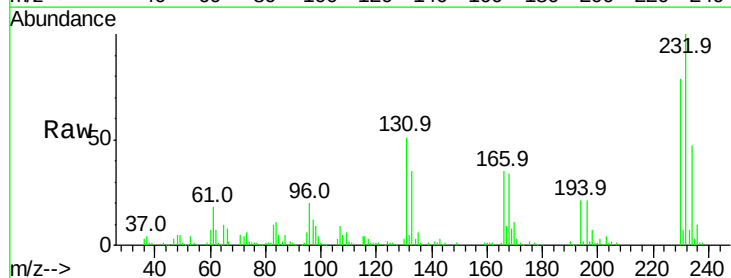
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 78.8  | 118.2 |
| 167     | 13.4  | 10.6  | 16.0  |

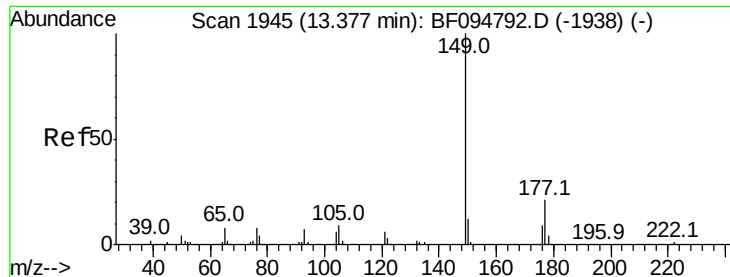


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 56.27 ng  
 RT: 13.15 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 54.0  | 44.8  | 67.2  |
| 130     | 2.4   | 2.3   | 3.5   |
| 166     | 34.0  | 29.0  | 43.4  |



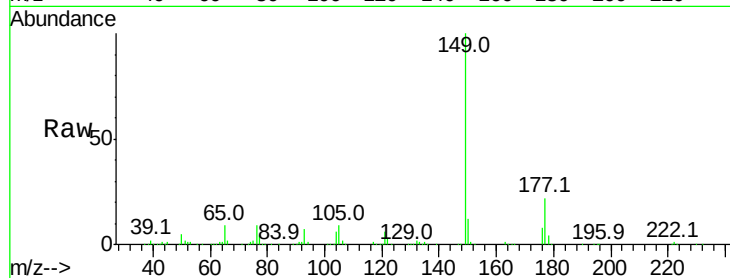




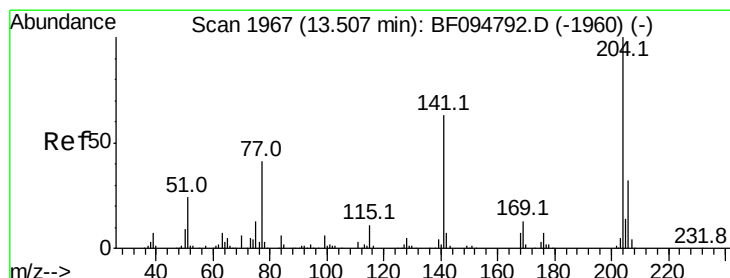
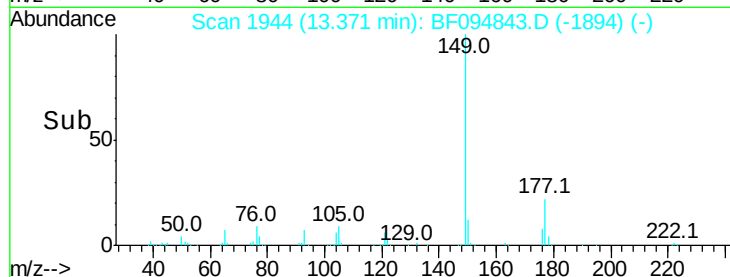
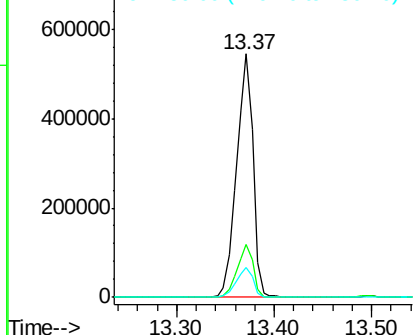
#59  
Diethylphthalate  
Concen: 46.25 ng  
RT: 13.37 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 636167  
Ion Ratio Lower Upper  
149 100  
177 21.7 16.7 25.1  
150 12.0 10.2 15.2

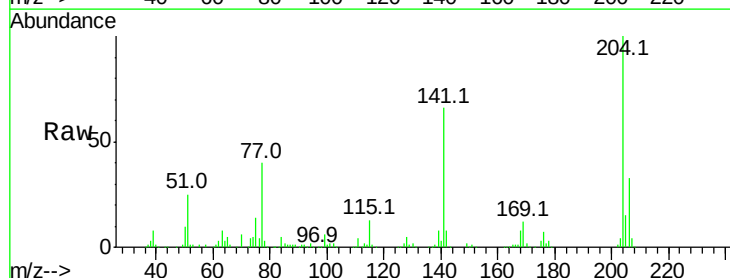


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

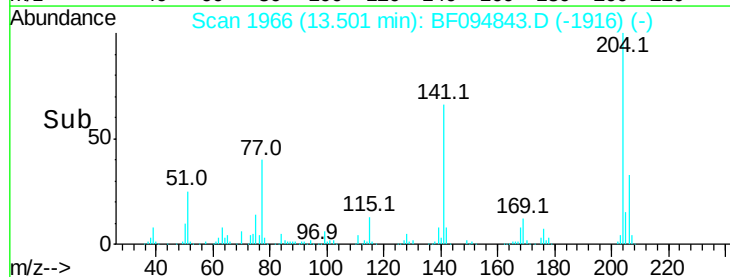
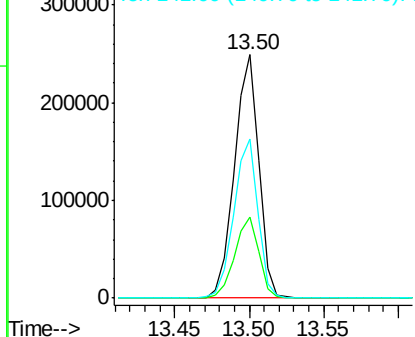


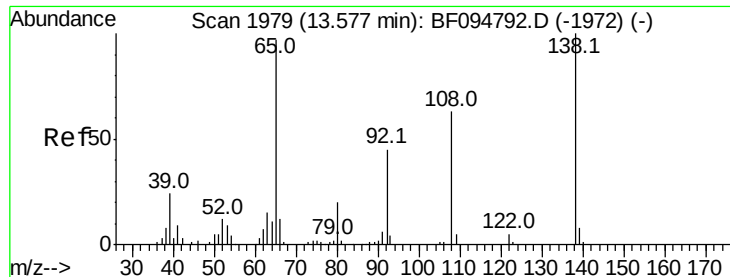
#60  
4-Chlorophenyl-phenylether  
Concen: 48.32 ng  
RT: 13.50 min Scan# 1966  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:204 Resp: 284124  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.2 39.2  
141 65.6 60.8 91.2



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

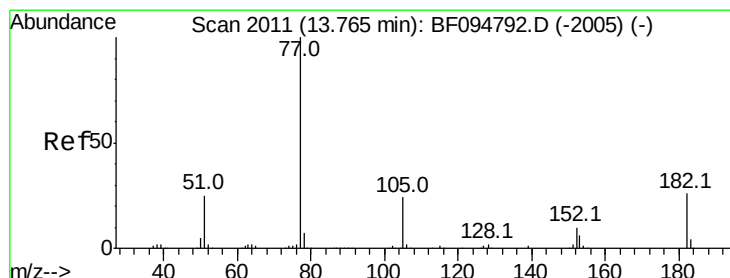
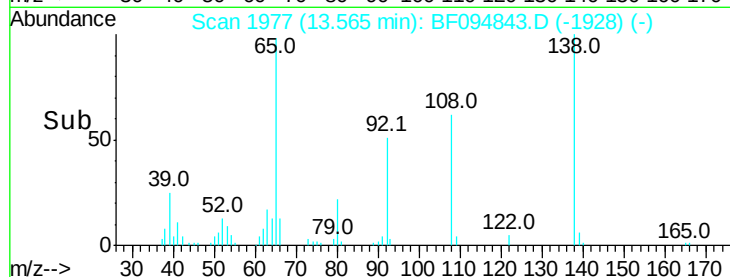
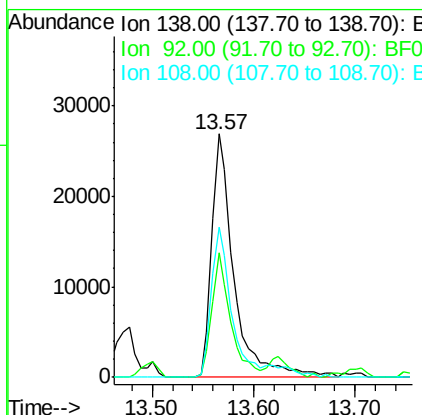
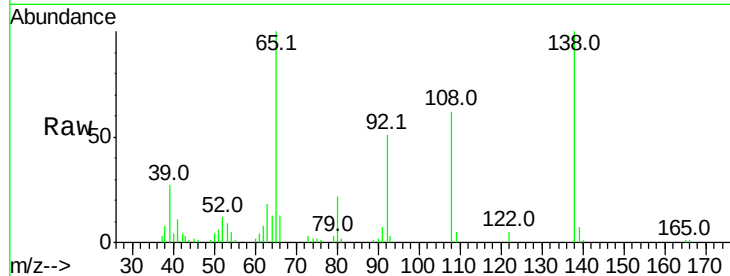




#61  
4-Nitroaniline  
Concen: 14.27 ng  
RT: 13.57 min Scan# 1977  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

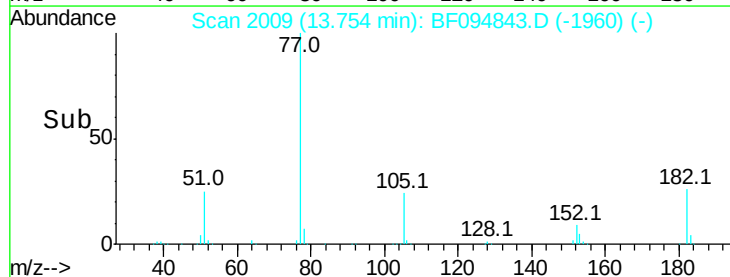
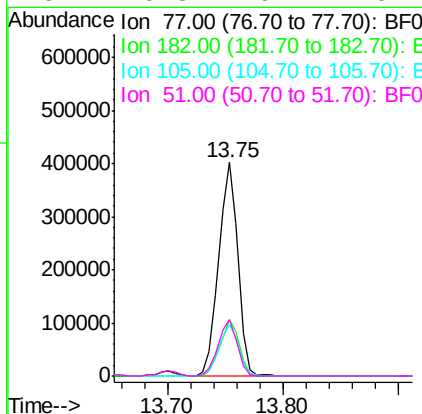
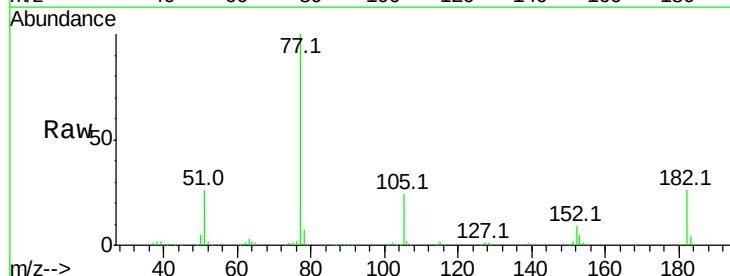
Instrument :  
BNA\_F  
ClientSampleId :

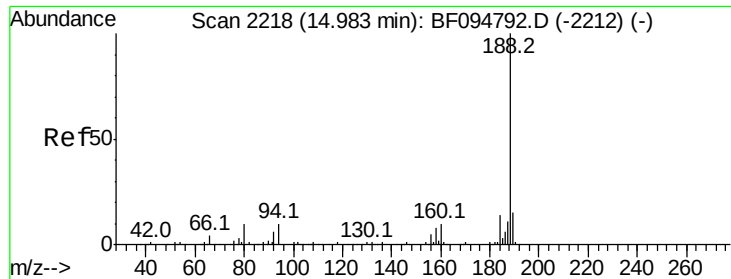
Tot Ion:138 Resp: 41169  
Ion Ratio Lower Upper  
138 100  
92 51.1 21.8 61.8  
108 61.8 42.3 82.3



#62  
Azobenzene  
Concen: 41.60 ng  
RT: 13.75 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion: 77 Resp: 459814  
Ion Ratio Lower Upper  
77 100  
182 26.2 0.1 40.1  
105 24.0 3.6 43.6  
51 26.3 9.4 49.4

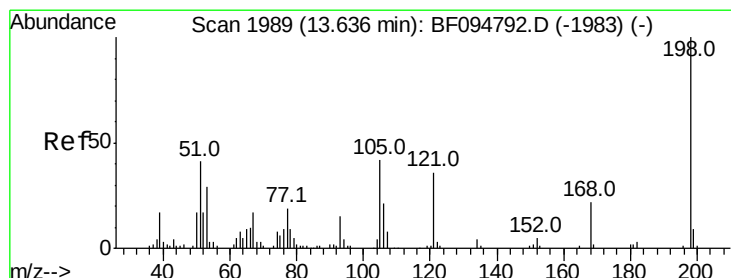
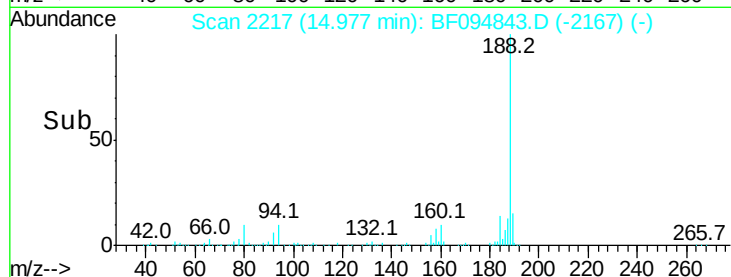
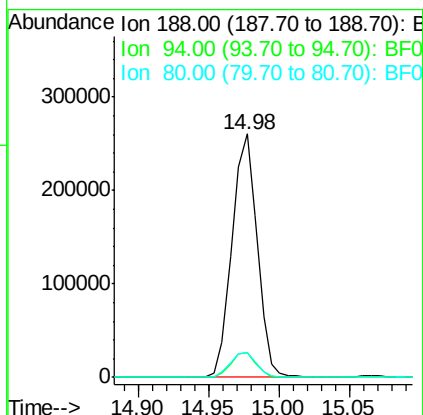
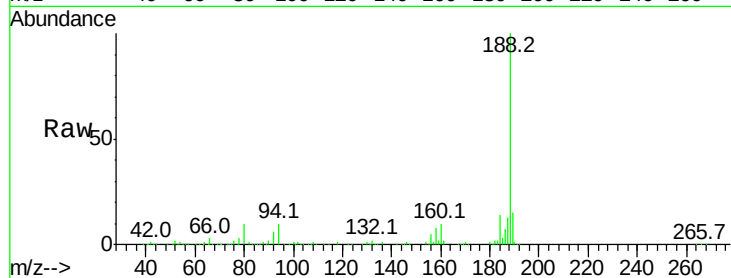




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.98 min Scan# 2217  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

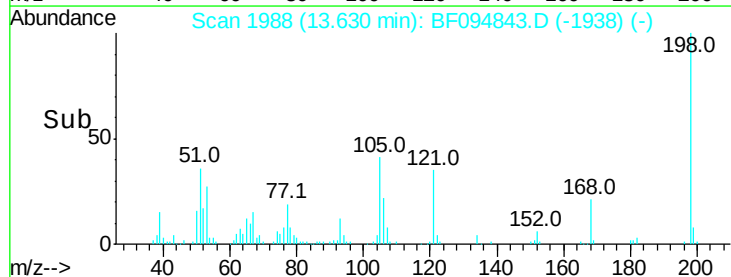
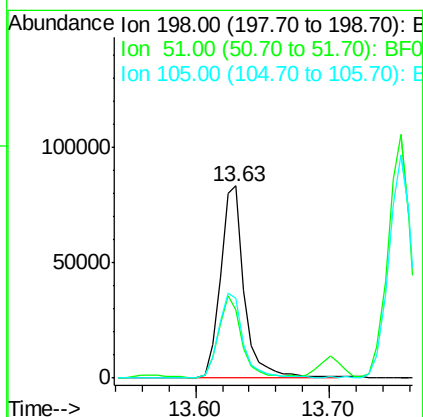
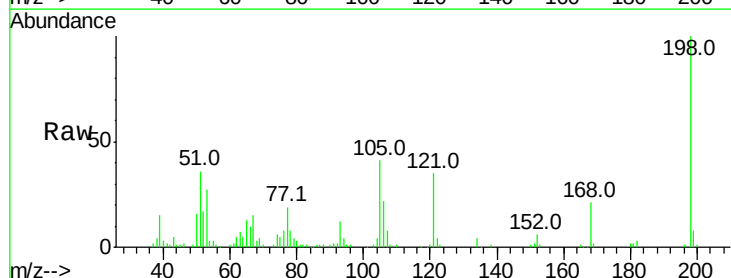
Instrument :  
BNA\_F  
ClientSampleId :

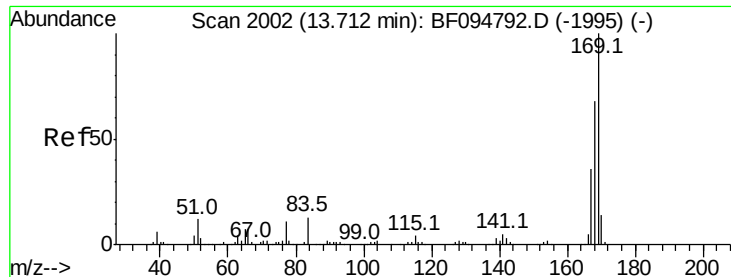
Tot Ion:188 Resp: 325376  
Ion Ratio Lower Upper  
188 100  
94 10.0 9.4 14.2  
80 10.2 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 48.15 ng  
RT: 13.63 min Scan# 1988  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:198 Resp: 105026  
Ion Ratio Lower Upper  
198 100  
51 35.7 53.2 93.2#  
105 41.2 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 7.13 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

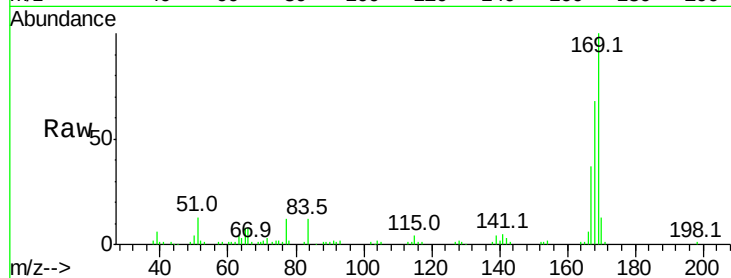
Instrument :

BNA\_F

ClientSampled :

Tot Ion:169 Resp: 84190

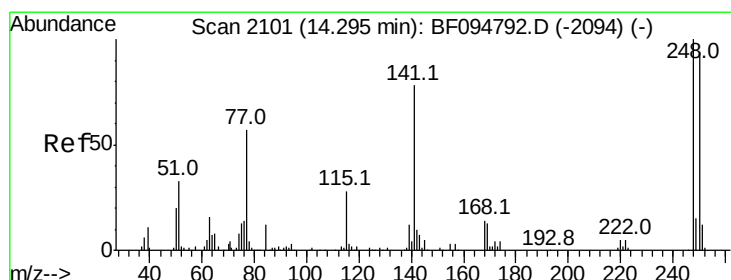
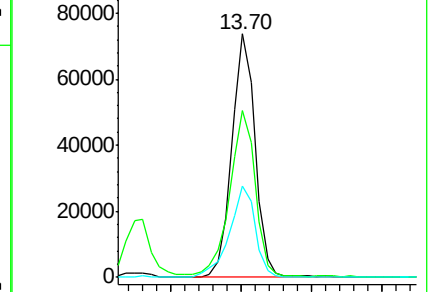
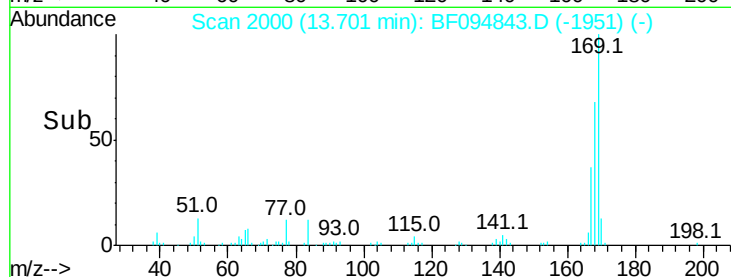
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 68.4  | 53.2  | 79.8  |
| 167 | 37.4  | 29.5  | 44.3  |



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 48.12 ng

RT: 14.28 min Scan# 2099

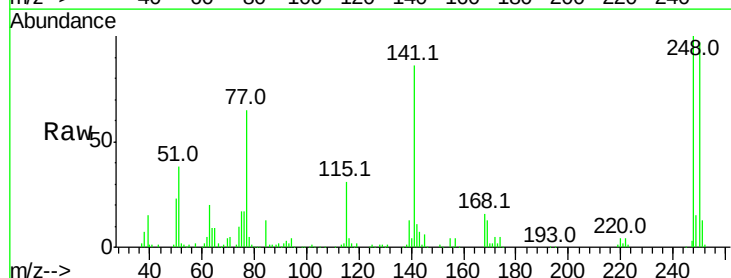
Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Tgt Ion:248 Resp: 165409

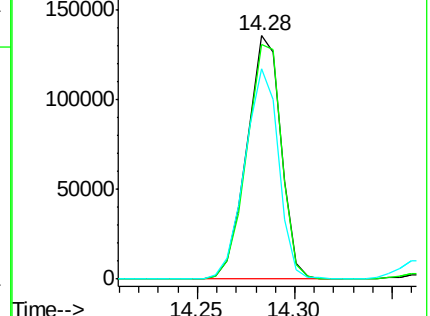
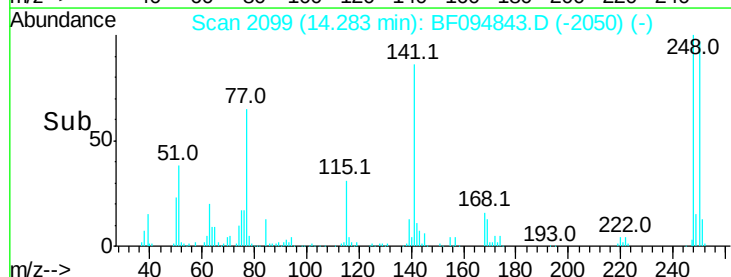
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 96.5  | 76.8  | 115.2 |
| 141 | 86.4  | 68.6  | 103.0 |

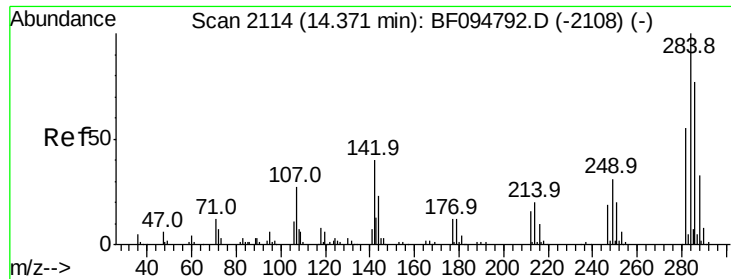


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 48.47 ng

RT: 14.37 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

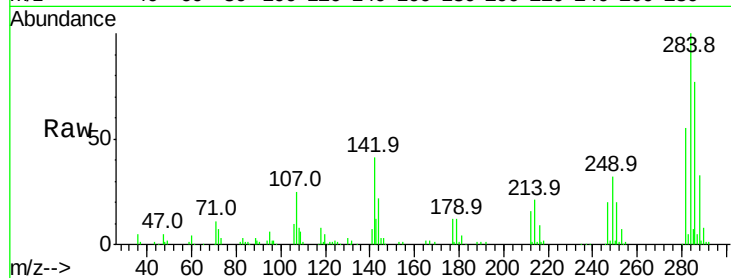
Tot Ion:284 Resp: 170764

Ion Ratio Lower Upper

284 100

142 41.0 22.8 34.2#

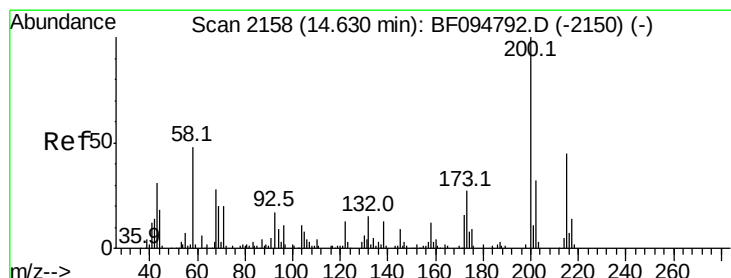
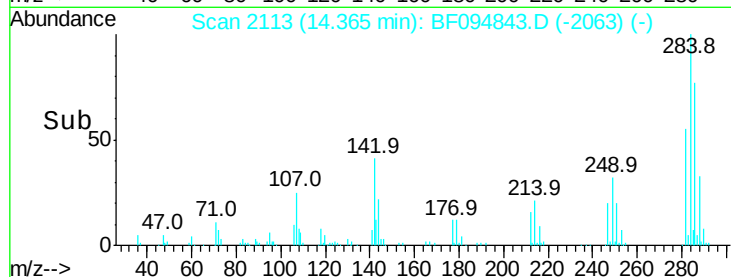
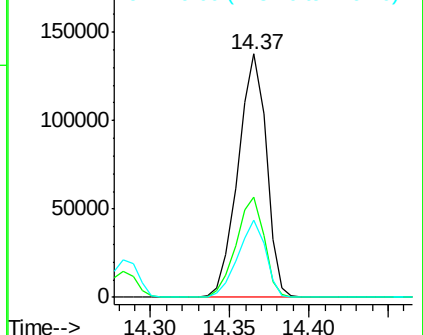
249 31.8 24.0 36.0



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



#68

Atrazine

Concen: 10.51 ng

RT: 14.71 min Scan# 2172

Delta R.T. 0.08 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

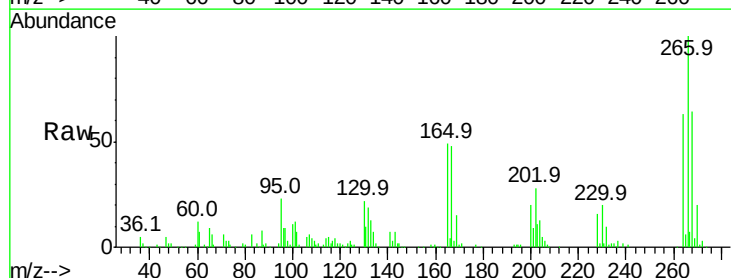
Tgt Ion:200 Resp: 35036

Ion Ratio Lower Upper

200 100

173 0.0 6.3 46.3#

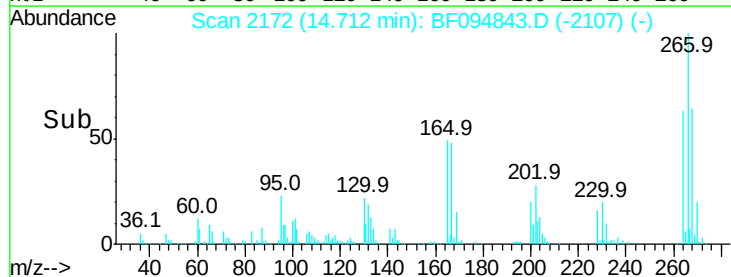
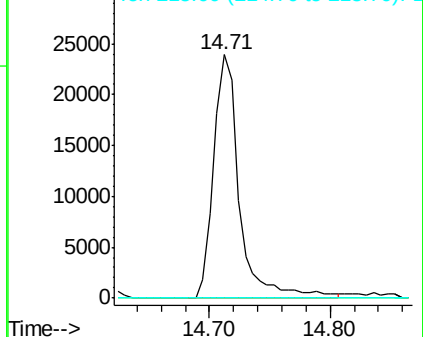
215 0.0 27.2 67.2#

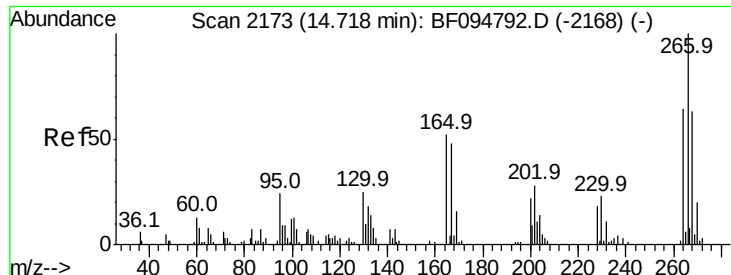


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

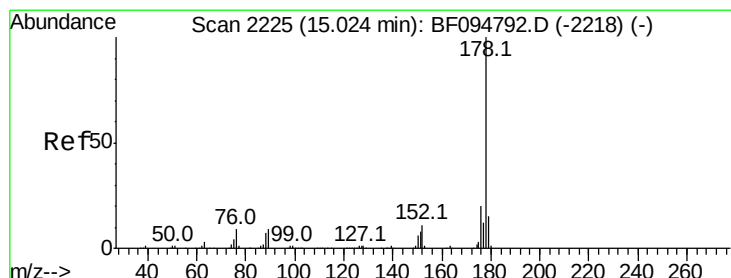
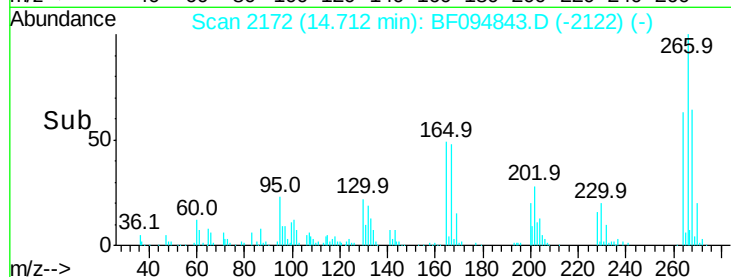
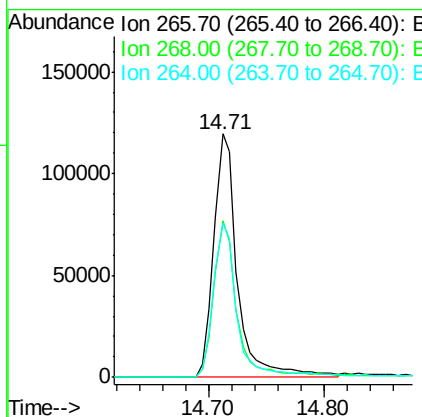
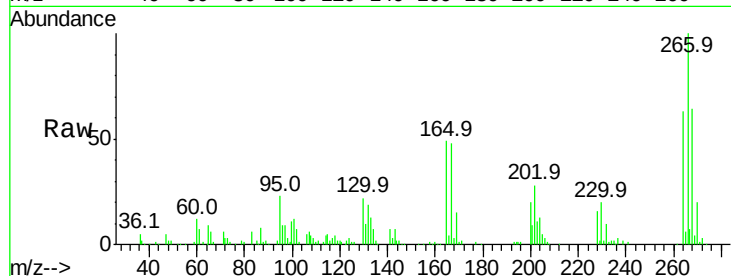




#69  
 Pentachlorophenol  
 Concen: 105.41 ng  
 RT: 14.71 min Scan# 2172  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

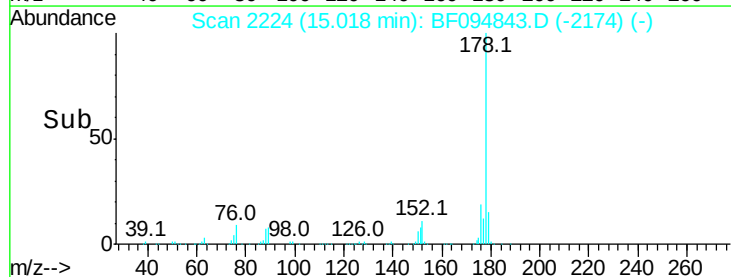
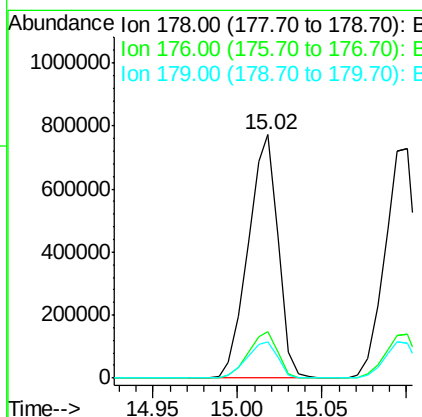
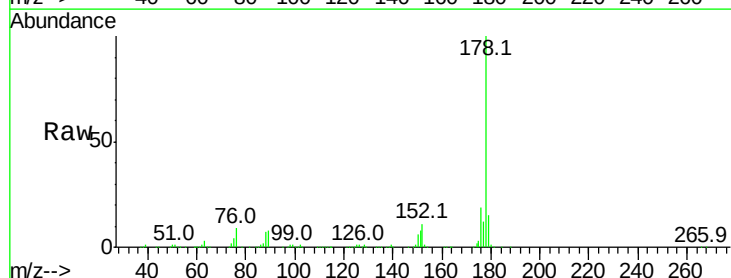
Instrument :  
 BNA\_F  
 ClientSampleId :

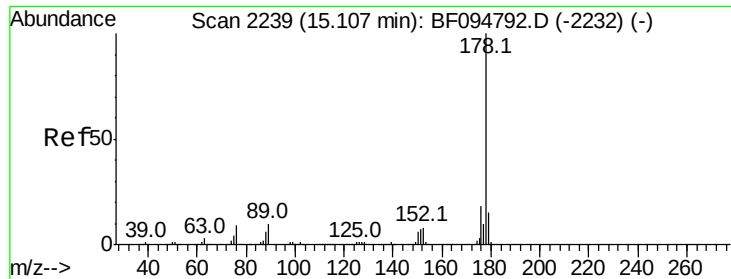
Tot Ion:266 Resp: 171114  
 Ion Ratio Lower Upper  
 266 100  
 268 64.2 51.1 76.7  
 264 63.4 51.7 77.5



#70  
 Phenanthrene  
 Concen: 50.96 ng  
 RT: 15.02 min Scan# 2224  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:178 Resp: 952614  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.2 24.4  
 179 15.0 12.6 19.0

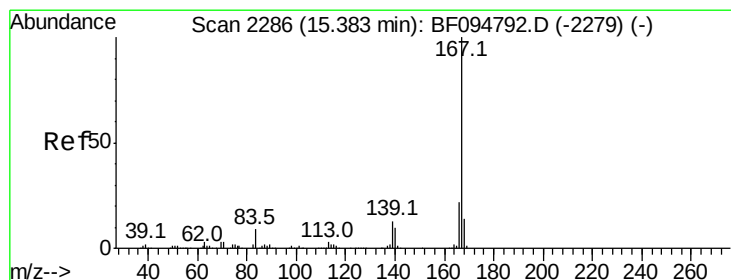
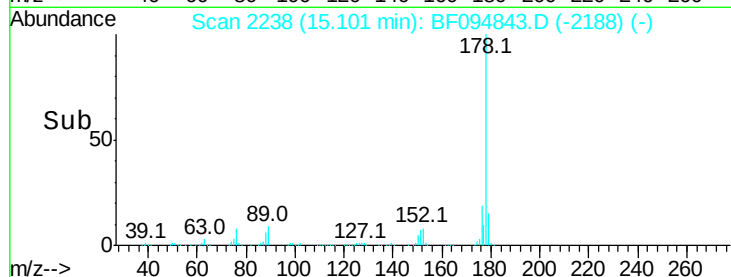
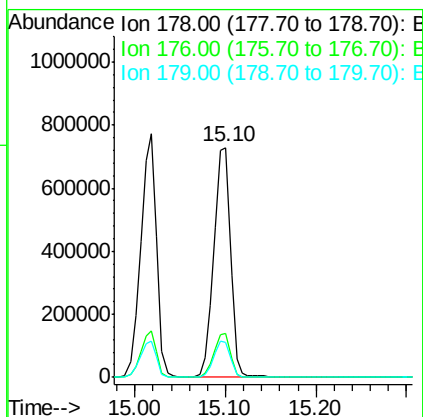
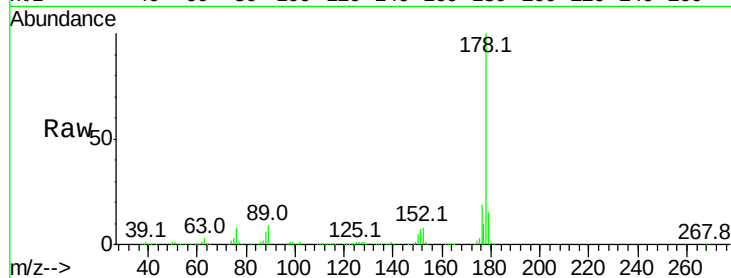




#71  
 Anthracene  
 Concen: 49.09 ng  
 RT: 15.10 min Scan# 2238  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

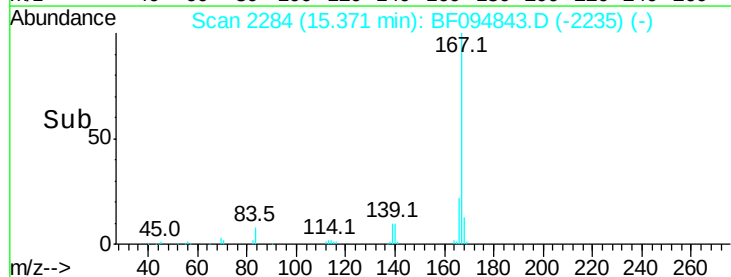
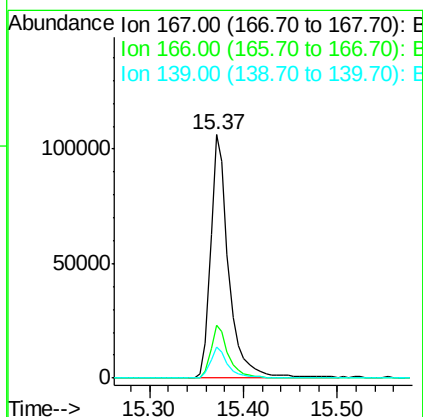
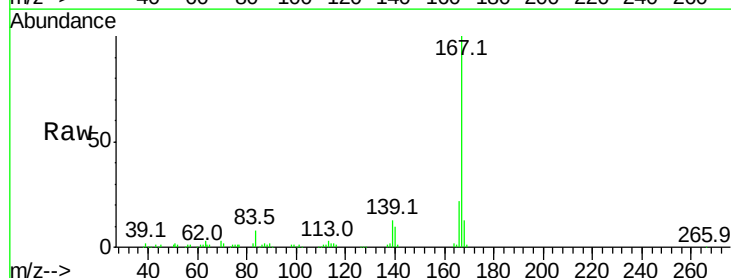
Instrument :  
 BNA\_F  
 ClientSampleId :

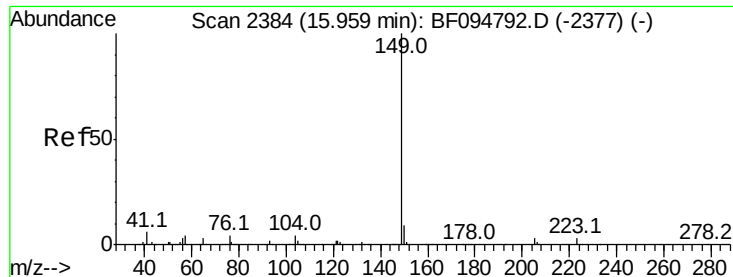
Tot Ion:178 Resp: 937397  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.8 23.8  
 179 15.2 12.7 19.1



#72  
 Carbazole  
 Concen: 8.34 ng  
 RT: 15.37 min Scan# 2284  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:167 Resp: 144906  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 18.1 27.1  
 139 12.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 50.96 ng

RT: 15.95 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

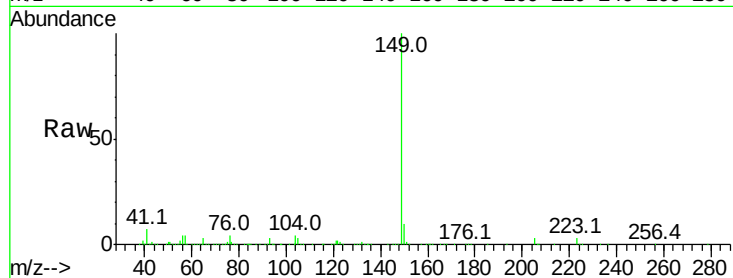
Tot Ion:149 Resp: 1104324

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

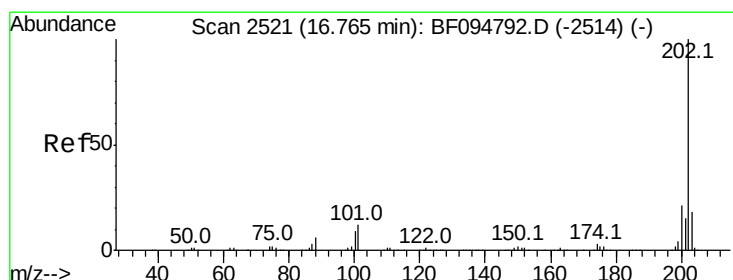
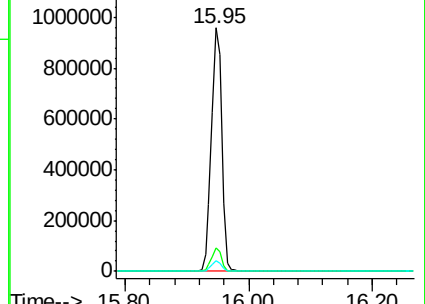
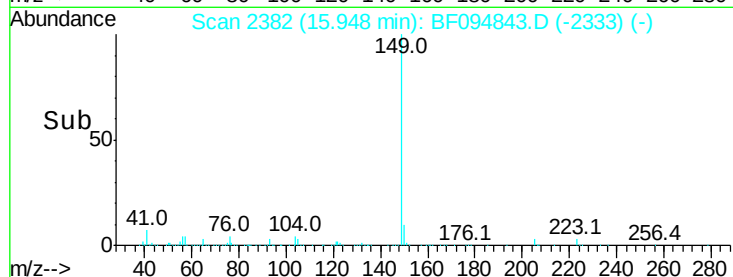
104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.63 ng

RT: 16.75 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

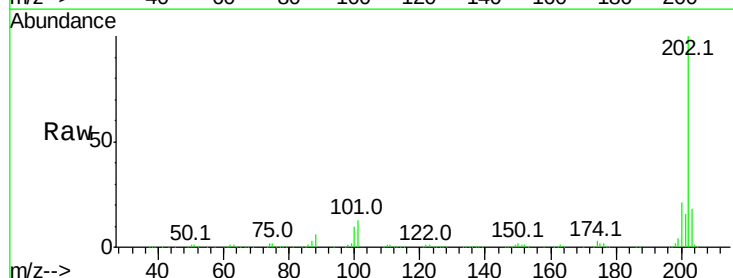
Tgt Ion:202 Resp: 932514

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

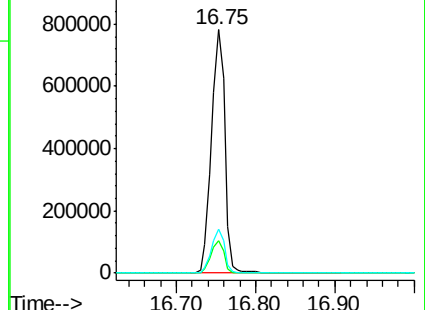
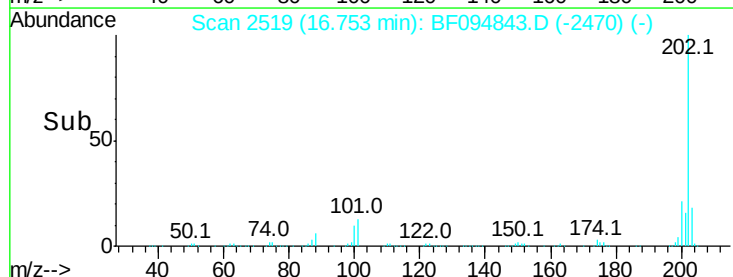
203 17.8 0.0 38.1



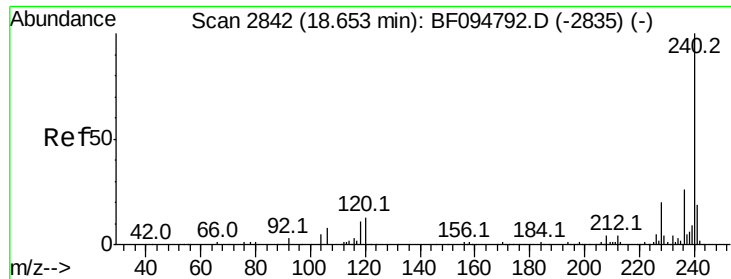
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



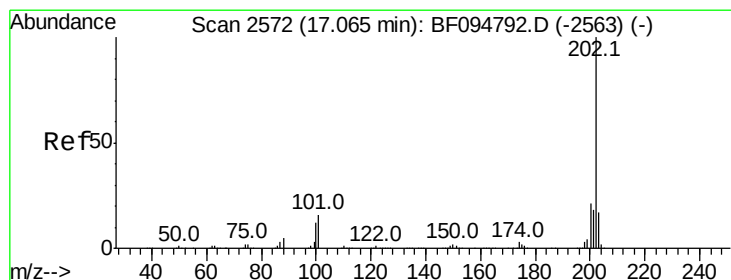
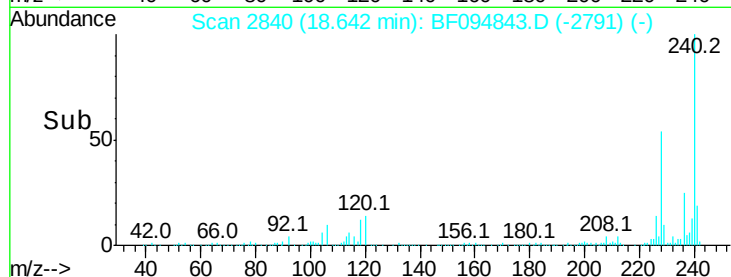
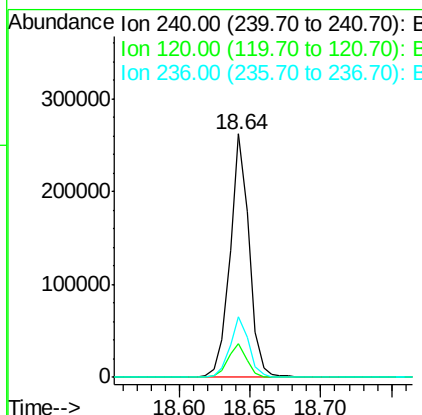
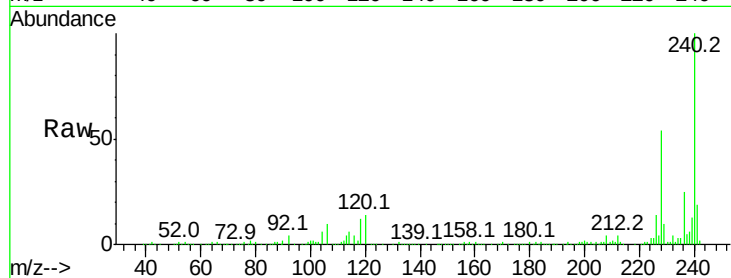




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.64 min Scan# 2840  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

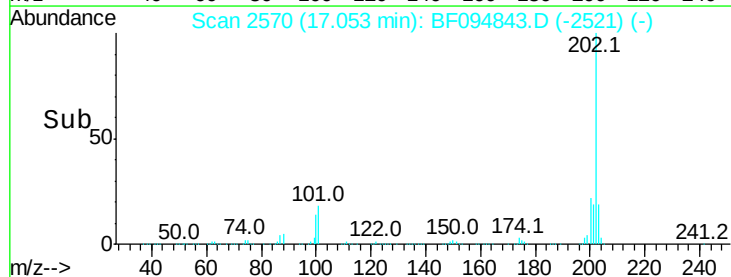
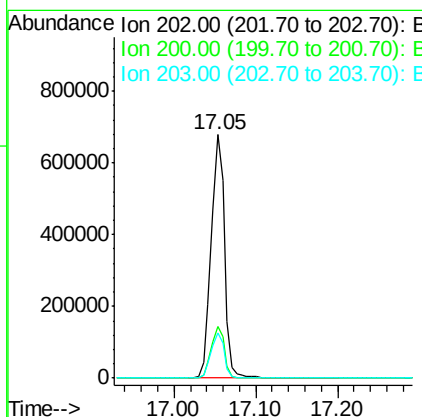
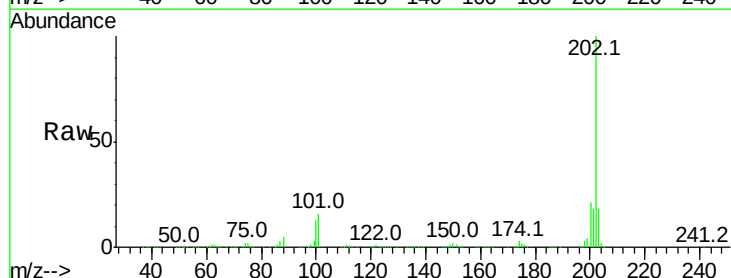
Instrument :  
 BNA\_F  
 ClientSampleId :

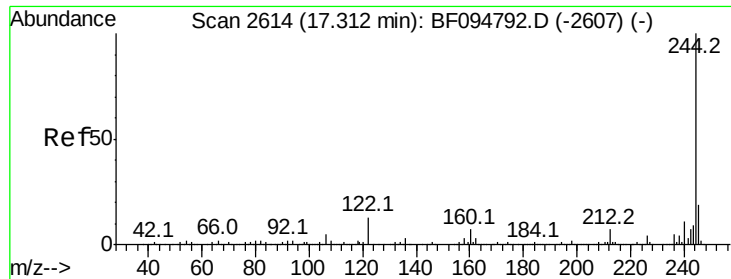
Tot Ion:240 Resp: 245351  
 Ion Ratio Lower Upper  
 240 100  
 120 13.9 5.8 8.8#  
 236 24.8 20.5 30.7



#77  
 Pyrene  
 Concen: 42.14 ng  
 RT: 17.05 min Scan# 2570  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:202 Resp: 773221  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 17.6 26.4  
 203 18.3 14.4 21.6





#78

Terphenyl-d14

Concen: 96.96 ng

RT: 17.31 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

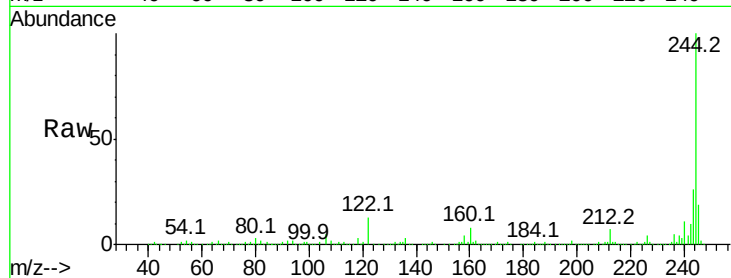
Tot Ion:244 Resp: 1080091

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

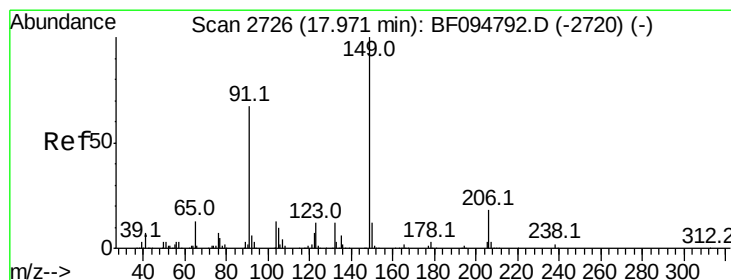
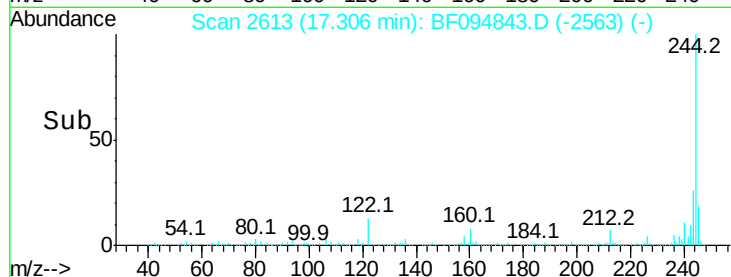
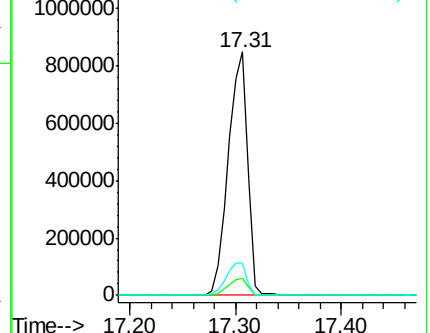
122 13.2 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 38.22 ng

RT: 17.96 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

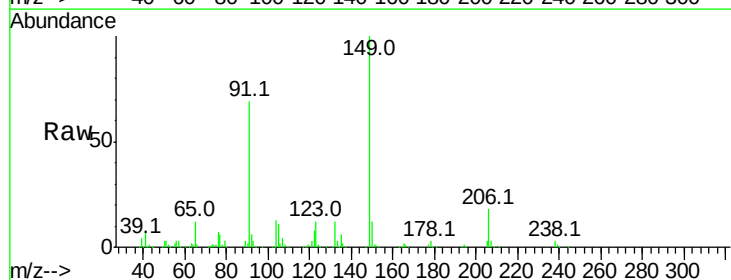
Tgt Ion:149 Resp: 326225

Ion Ratio Lower Upper

149 100

91 68.6 45.0 67.4#

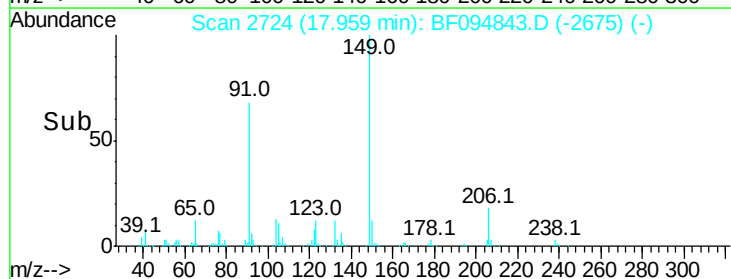
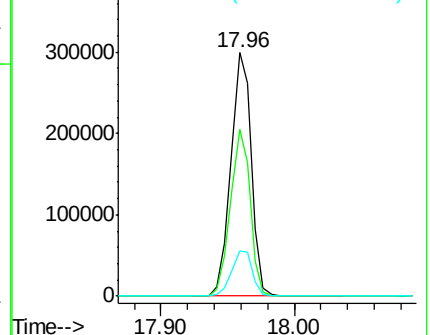
206 18.5 17.0 25.6

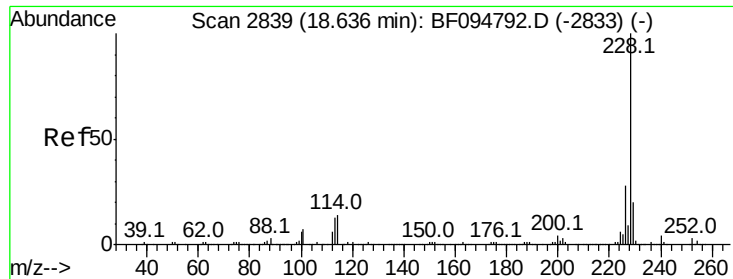


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 50.72 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

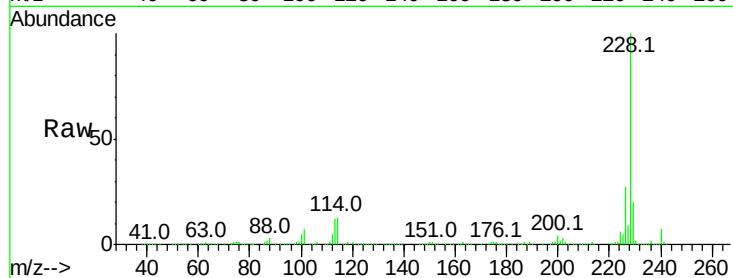
Tot Ion:228 Resp: 724180

Ion Ratio Lower Upper

228 100

226 26.6 22.6 33.8

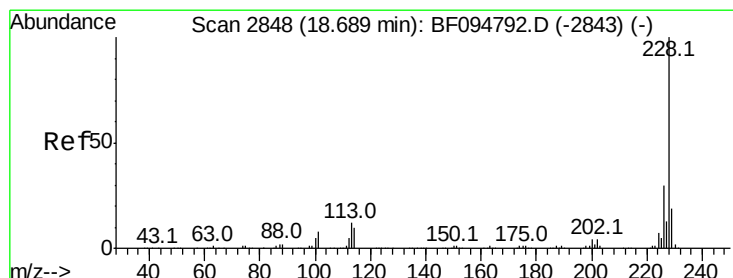
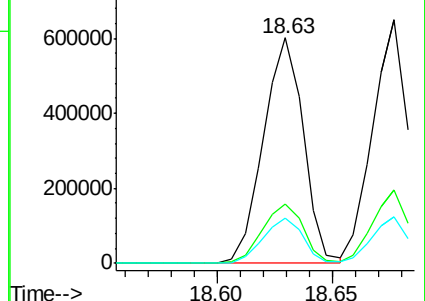
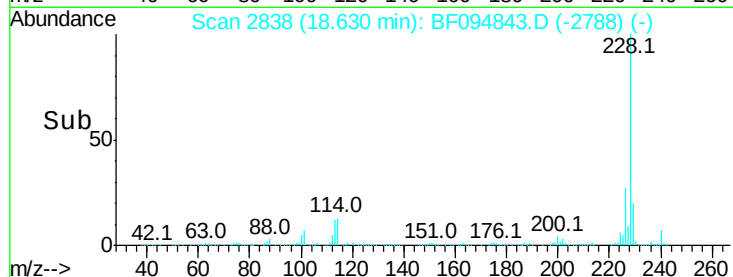
229 20.2 16.3 24.5



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

Chrysene

Concen: 50.46 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

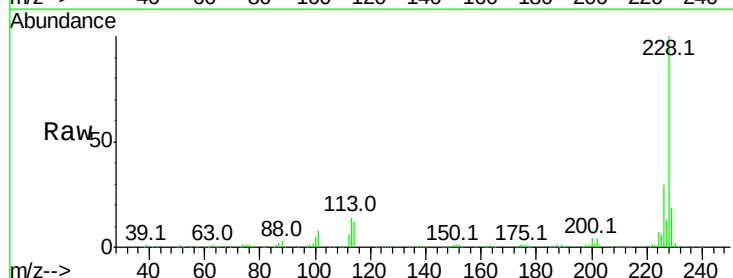
Tgt Ion:228 Resp: 696638

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

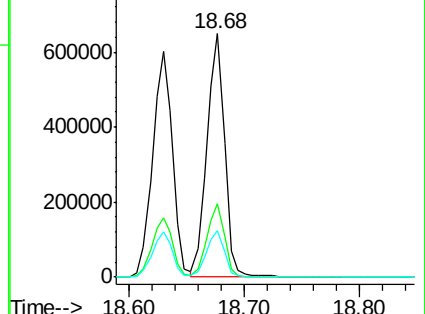
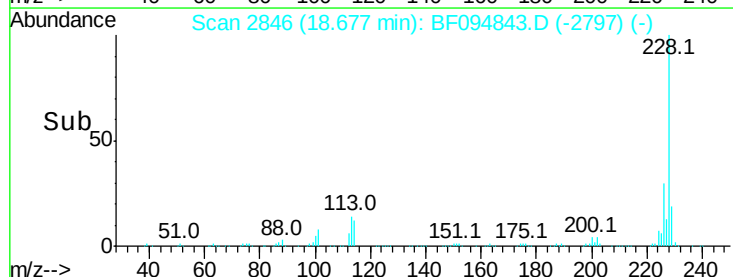
229 19.2 15.8 23.6

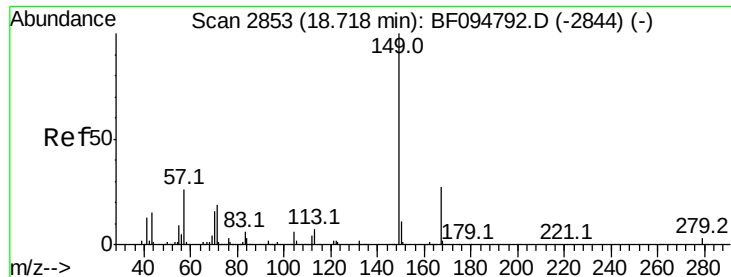


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

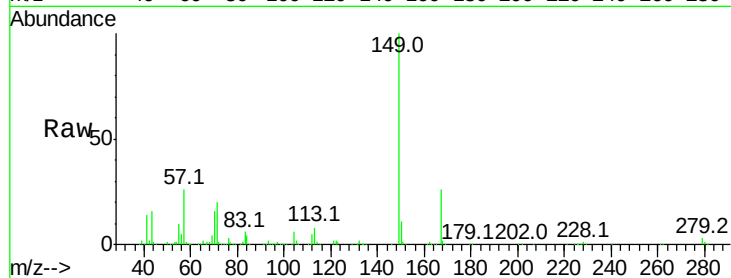




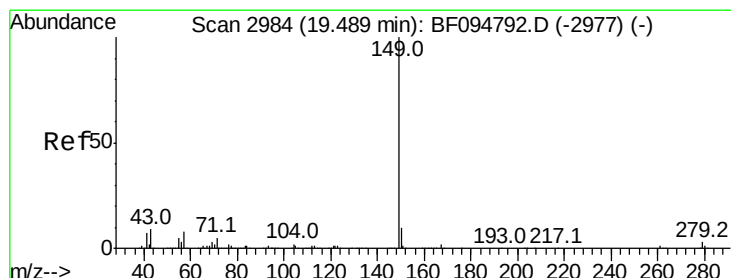
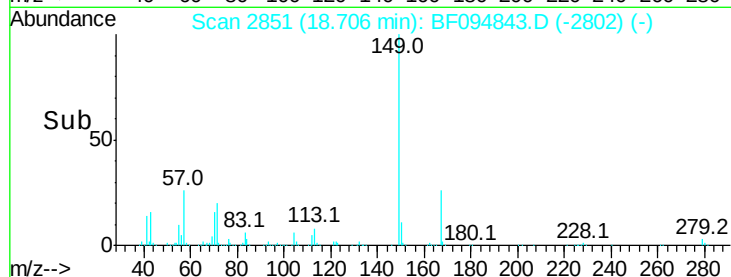
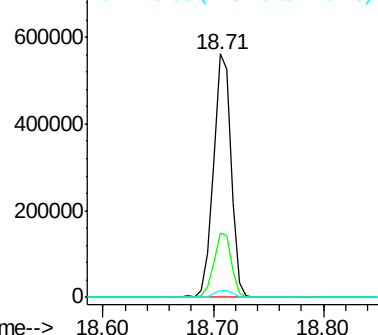
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 52.18 ng  
 RT: 18.71 min Scan# 2851  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 634598  
 Ion Ratio Lower Upper  
 149 100  
 167 26.3 21.0 31.4  
 279 2.9 1.9 2.9#

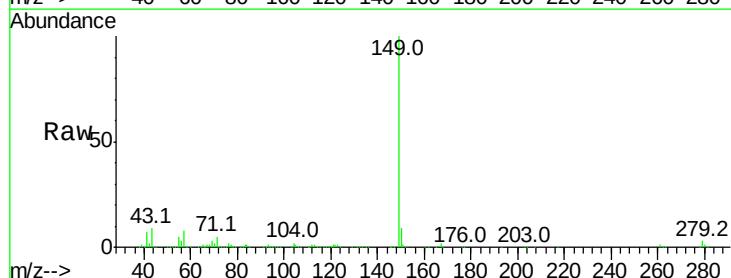


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

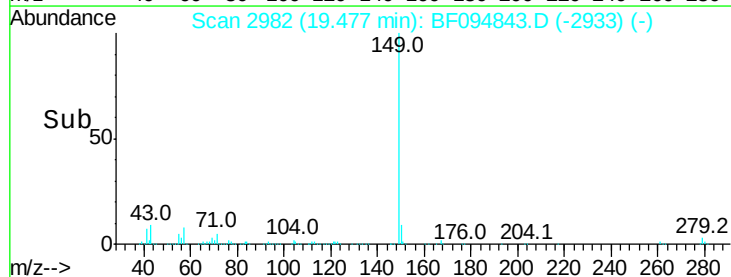
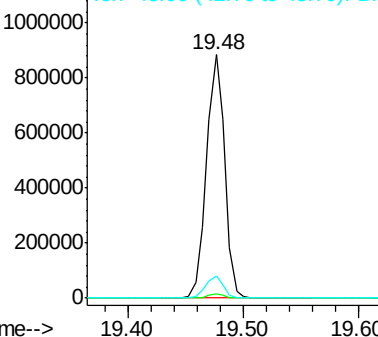


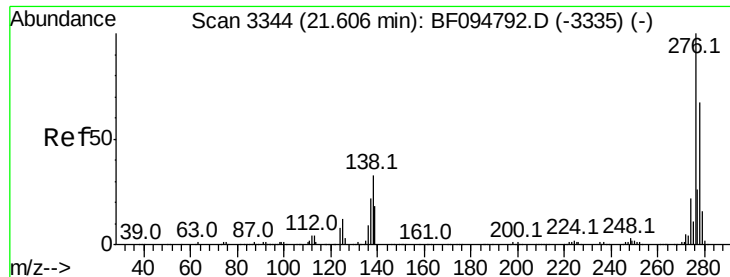
#84  
 Di-n-octyl phthalate  
 Concen: 48.37 ng  
 RT: 19.48 min Scan# 2982  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:149 Resp: 964394  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 8.7 8.5 12.7



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): BF0

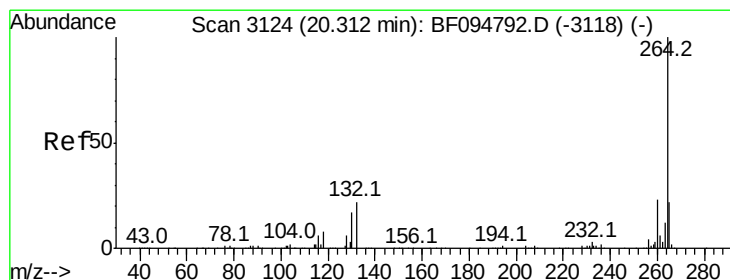
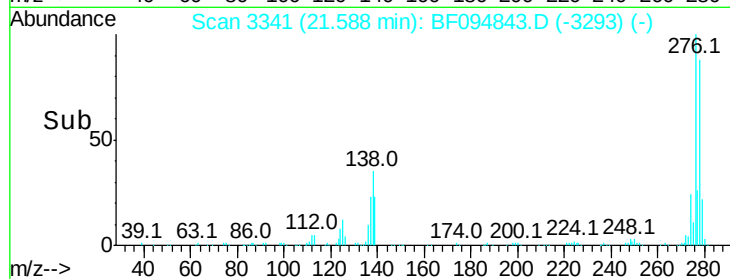
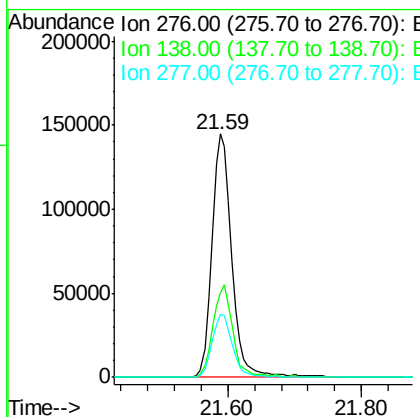
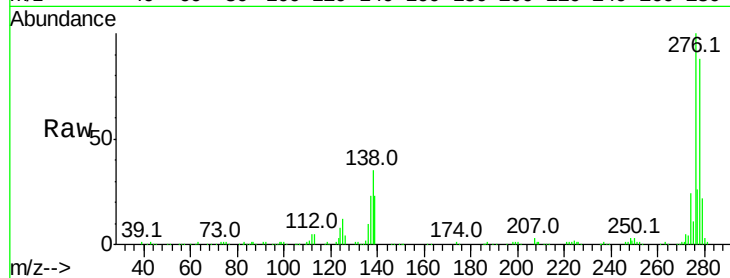




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 27.04 ng  
 RT: 21.59 min Scan# 3341  
 Delta R.T. -0.02 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

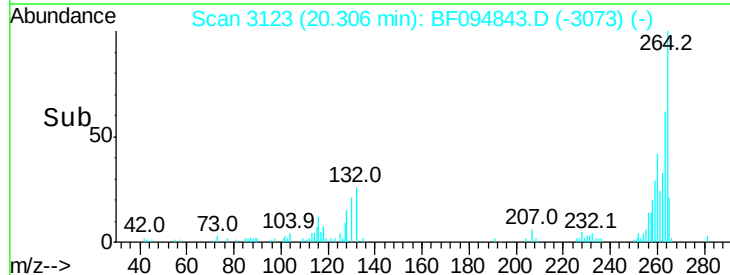
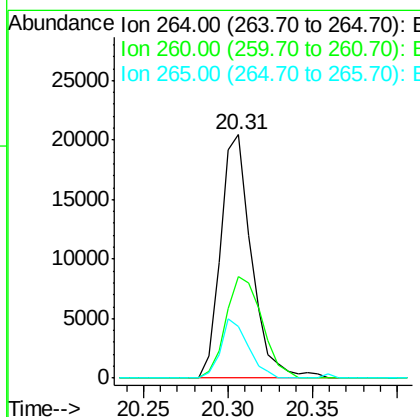
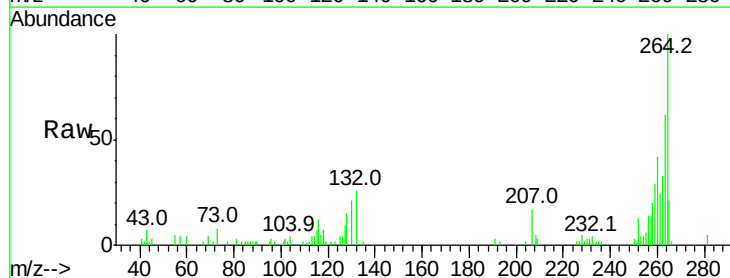
Instrument :  
 BNA\_F  
 ClientSampleId :

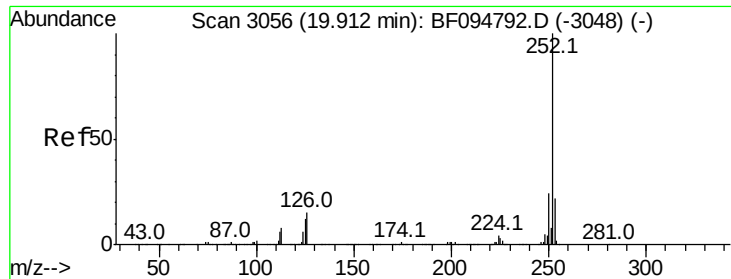
Tot Ion:276 Resp: 303148  
 Ion Ratio Lower Upper  
 276 100  
 138 37.6 27.8 41.6  
 277 26.6 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.31 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BF094843.D  
 Acq: 3 May 2017 20:03

Tgt Ion:264 Resp: 26048  
 Ion Ratio Lower Upper  
 264 100  
 260 41.5 19.5 29.3#  
 265 21.0 17.2 25.8

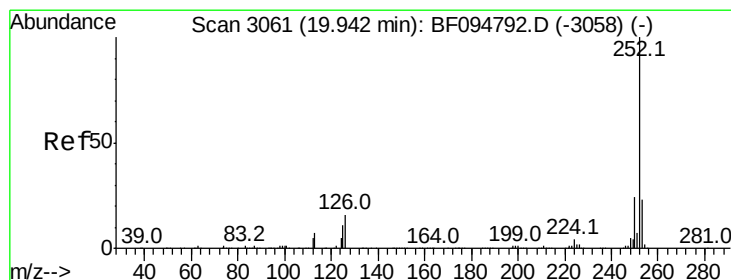
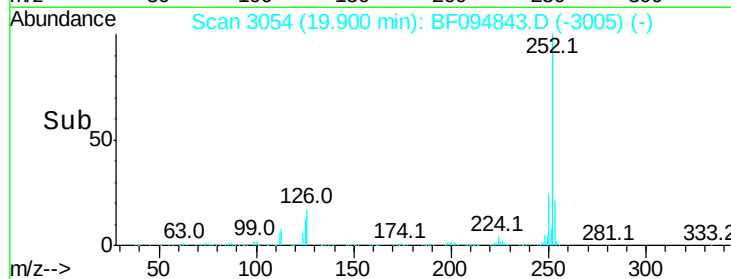
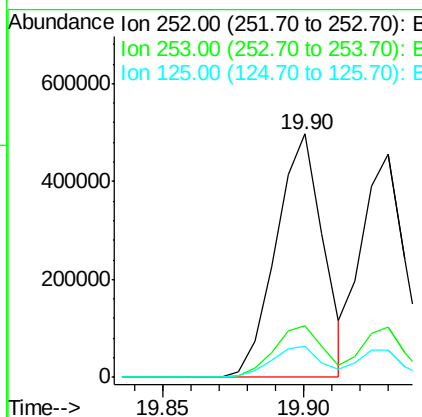
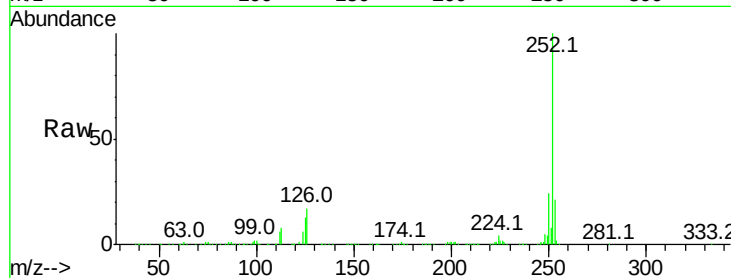




#87  
Benzo(b)fluoranthene  
Concen: 357.93 ng  
RT: 19.90 min Scan# 3054  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

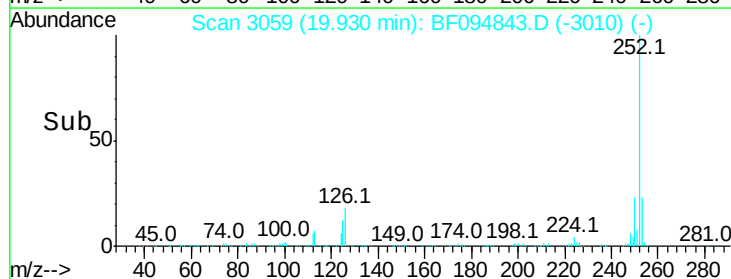
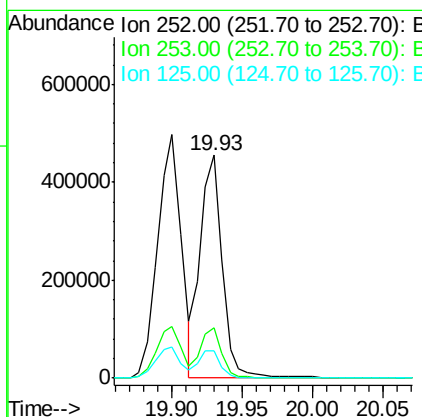
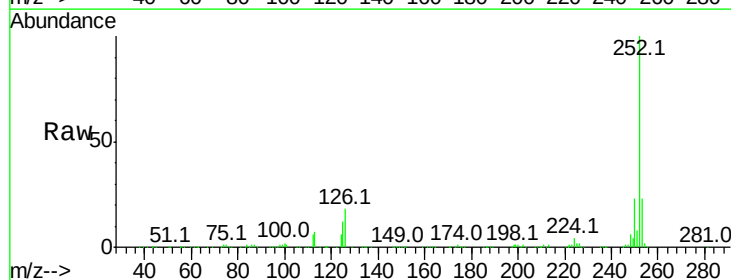
Instrument :  
BNA\_F  
ClientSampleId :

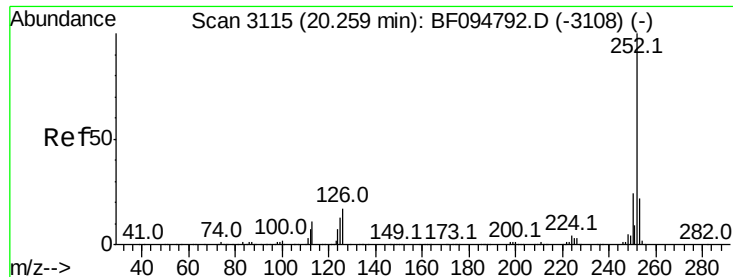
Tot Ion:252 Resp: 576111  
Ion Ratio Lower Upper  
252 100  
253 21.3 18.1 27.1  
125 12.6 9.8 14.8



#88  
Benzo(k)fluoranthene  
Concen: 315.79 ng  
RT: 19.93 min Scan# 3059  
Delta R.T. -0.01 min  
Lab File: BF094843.D  
Acq: 3 May 2017 20:03

Tgt Ion:252 Resp: 490281  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.4 27.6  
125 12.1 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 210.62 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :

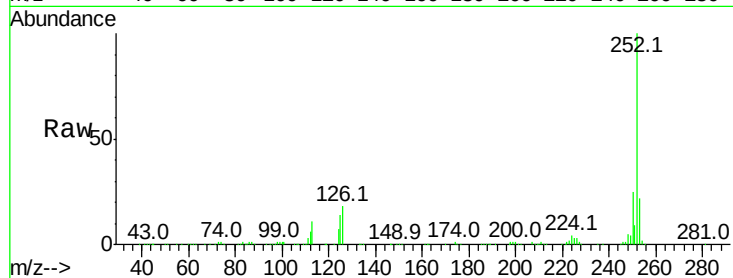
Tot Ion:252 Resp: 312819

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

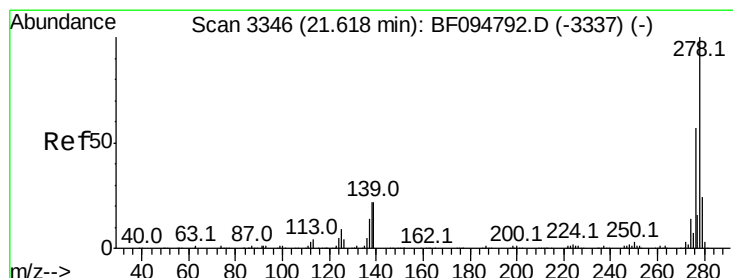
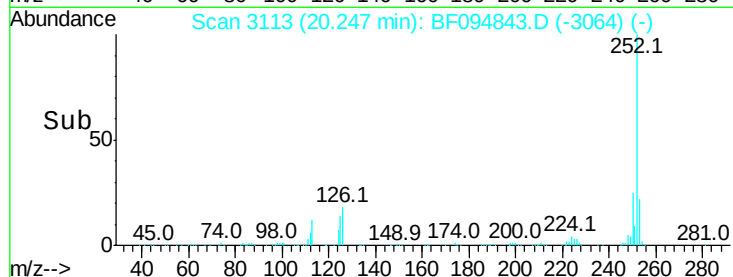
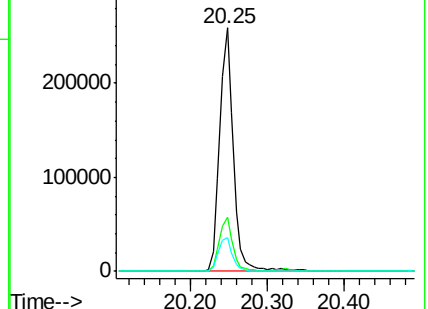
125 13.6 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 311.28 ng

RT: 21.60 min Scan# 3343

Delta R.T. -0.02 min

Lab File: BF094843.D

Acq: 3 May 2017 20:03

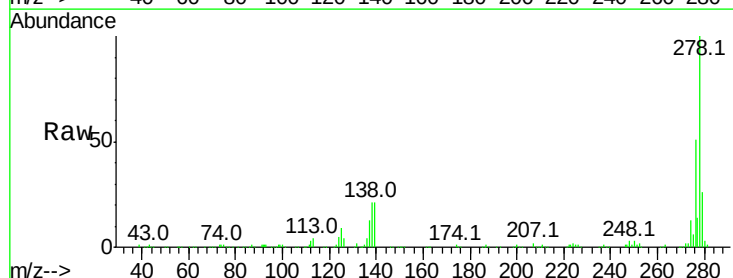
Tgt Ion:278 Resp: 381818

Ion Ratio Lower Upper

278 100

139 20.9 16.6 24.8

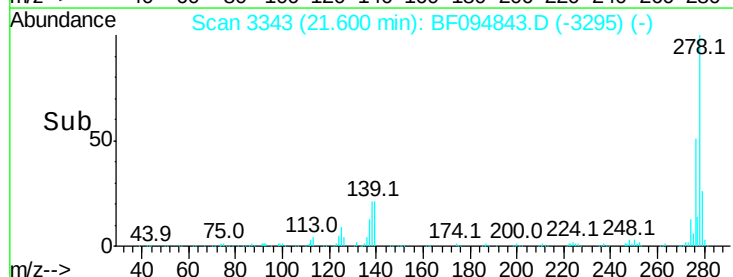
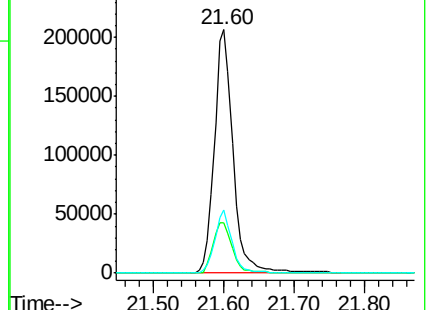
279 25.7 19.3 28.9

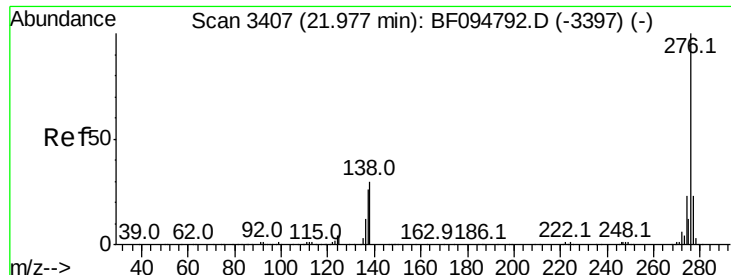


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 184.69 ng

RT: 21.96 min Scan# 3404

Delta R.T. -0.02 min

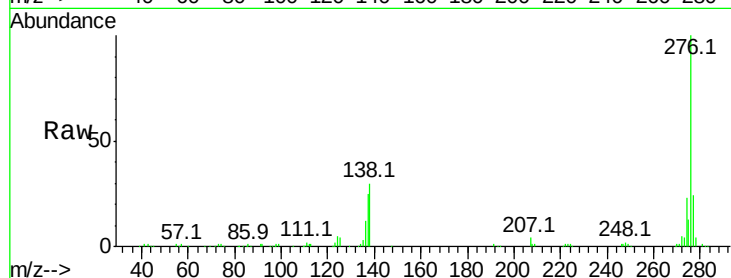
Lab File: BF094843.D

Acq: 3 May 2017 20:03

Instrument :

BNA\_F

ClientSampleId :



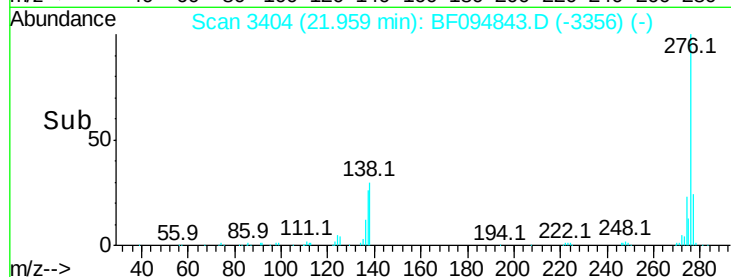
Tot Ion: 276 Resp: 222314

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 30.0 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

