

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106791.D  
 Acq On : 26 Jun 2018 00:06  
 Operator : JU/SJ  
 Sample : J3626-02MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Quant Time: Jun 26 05:00:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 55347    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 197152   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 88559    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 157020   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 134494   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.69 | 264  | 100595   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 277370 | 84.86 | ng | 0.00 |
| 7) Phenol-d6             | 6.61  | 99  | 395593 | 96.92 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 251338 | 70.85 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 74696  | 72.77 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.32  | 172 | 442194 | 84.41 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.08 | 244 | 472127 | 85.03 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.86 | 88  | 41681  | 24.804 | ng | 98     |
| 3) Pyridine                    | 3.64 | 79  | 127962 | 28.078 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.60 | 42  | 51429  | 26.570 | ng | 84     |
| 6) Aniline                     | 6.63 | 93  | 98673  | 17.821 | ng | # 76   |
| 8) 2-Chlorophenol              | 6.76 | 128 | 109392 | 30.514 | ng | 94     |
| 9) Benzaldehyde                | 6.52 | 77  | 55431  | 17.098 | ng | 95     |
| 10) Phenol                     | 6.62 | 94  | 147182 | 31.596 | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 116476 | 30.288 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 137468 | 32.739 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 137787 | 32.458 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146 | 126886 | 32.615 | ng | 95     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 99936  | 30.491 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 160563 | 31.822 | ng | 69     |
| 17) 2-Methylphenol             | 7.22 | 107 | 98131  | 31.986 | ng | # 90   |
| 18) Hexachloroethane           | 7.47 | 117 | 35350  | 23.680 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 77214  | 28.698 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 123227 | 34.968 | ng | # 61   |
| 22) Acetophenone               | 7.37 | 105 | 155413 | 35.235 | ng | # 96   |
| 24) Nitrobenzene               | 7.55 | 77  | 120859 | 33.369 | ng | 99     |
| 25) Isophorone                 | 7.78 | 82  | 217367 | 34.771 | ng | 99     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 42384  | 24.789 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 102921 | 38.944 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93  | 141908 | 33.809 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 92715  | 33.510 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 113904 | 37.371 | ng | 98     |
| 31) Naphthalene                | 8.27 | 128 | 386006 | 41.878 | ng | 99     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 78475  | 20.290 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 74593  | 37.559 | ng | 98     |
| 35) Caprolactam                | 8.67 | 113 | 28683  | 31.803 | ng | 89     |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 97137  | 33.355 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 281633 | 46.097 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 114891 | 38.523 | ng | # 95   |
| 40) Hexachlorocyclopentadiene  | 9.10 | 237 | 3220   | 2.098  | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 9.24 | 196 | 20945  | 10.565 | ng | 93     |

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 ALS Vial : 21 Sample Multiplier: 1

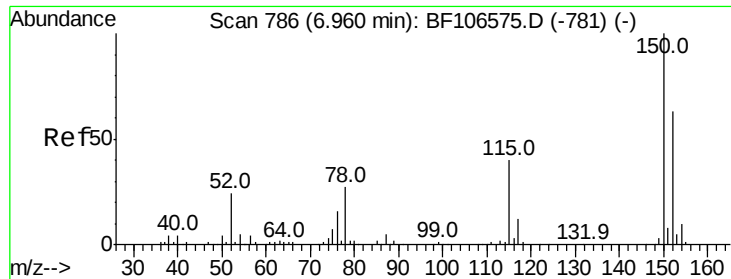
Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Quant Time: Jun 26 05:00:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 50856    | 24.584  | nq    | 89       |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 288165   | 40.830  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 188678   | 33.963  | nq    | 94       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 61433    | 32.885  | nq    | 94       |
| 48) Acenaphthylene             | 9.87  | 152  | 296519   | 33.807  | nq    | 99       |
| 49) Dimethylphthalate          | 9.72  | 163  | 277318   | 41.752  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 45091    | 32.060  | nq #  | 83       |
| 51) Acenaphthene               | 10.04 | 154  | 292453   | 52.950  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.97  | 138  | 52380    | 32.364  | nq    | 92       |
| 54) Dibenzofuran               | 10.21 | 168  | 409621   | 54.162  | nq    | 97       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 5483     | 4.853   | nq    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 52613    | 28.659  | nq #  | 84       |
| 57) Fluorene                   | 10.56 | 166  | 320547   | 53.412  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 7707     | 4.687   | nq #  | 63       |
| 59) Diethylphthalate           | 10.41 | 149  | 204615   | 31.918  | nq #  | 93       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 105285   | 33.529  | nq #  | 84       |
| 61) 4-Nitroaniline             | 10.58 | 138  | 54917    | 34.190  | nq    | 94       |
| 62) Azobenzene                 | 10.70 | 77   | 177822   | 28.168  | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 177389   | 33.587  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.04 | 248  | 69038    | 36.841  | nq #  | 76       |
| 67) Hexachlorobenzene          | 11.11 | 284  | 69115    | 35.239  | nq #  | 80       |
| 68) Atrazine                   | 11.19 | 200  | 59812    | 35.624  | nq    | 93       |
| 70) Phenanthrene               | 11.54 | 178  | 970347   | 128.126 | nq    | 98       |
| 71) Anthracene                 | 11.58 | 178  | 407067   | 52.659  | nq    | 100      |
| 72) Carbazole                  | 11.73 | 167  | 294862   | 40.742  | nq    | 98       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 290484   | 34.069  | nq    | 99       |
| 74) Fluoranthene               | 12.72 | 202  | 866360   | 103.788 | nq    | 96       |
| 76) Benzidine                  | 12.84 | 184  | 157892   | 41.221  | nq    | 97       |
| 77) Pvrene                     | 12.95 | 202  | 720212   | 81.206  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 120586   | 33.069  | nq #  | 93       |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 399313   | 48.714  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 83904    | 29.124  | nq #  | 95       |
| 82) Chrysene                   | 14.18 | 228  | 364036   | 48.273  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 165157   | 35.427  | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.73 | 149  | 284367   | 37.421  | nq #  | 94       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 214878   | 33.576  | nq #  | 89       |
| 87) Benzo(b)fluoranthene       | 15.24 | 252  | 284858   | 45.585  | nq #  | 95       |
| 88) Benzo(k)fluoranthene       | 15.27 | 252  | 220745   | 37.095  | nq #  | 95       |
| 89) Benzo(a)pyrene             | 15.63 | 252  | 221792   | 39.926  | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 17.28 | 278  | 169989   | 36.107  | nq #  | 93       |
| 91) Benzo(g,h,i)perylene       | 17.75 | 276  | 176127   | 38.275  | nq #  | 90       |

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



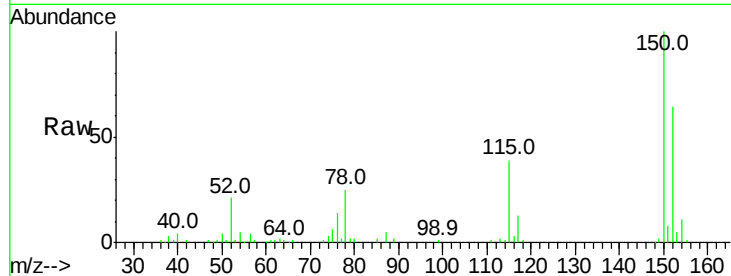


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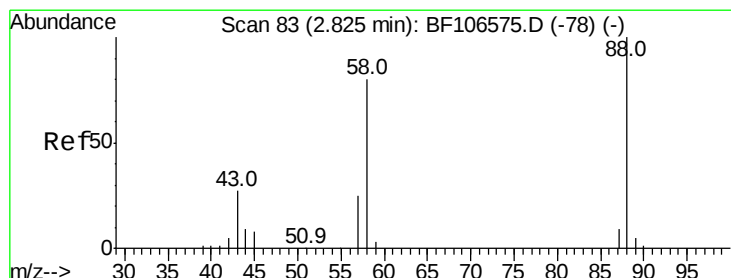
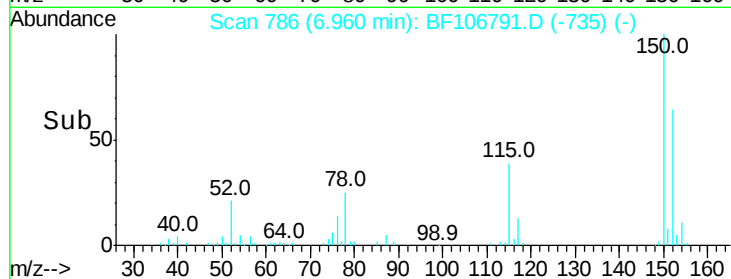
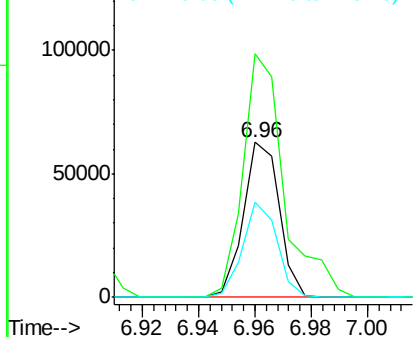
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Instrument :  
BNA\_F  
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A-1MSD

Tot Ion:152 Resp: 55347  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 186.8  
115 61.6 50.1 75.1



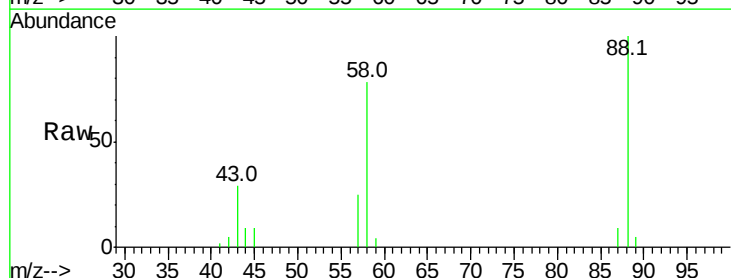
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



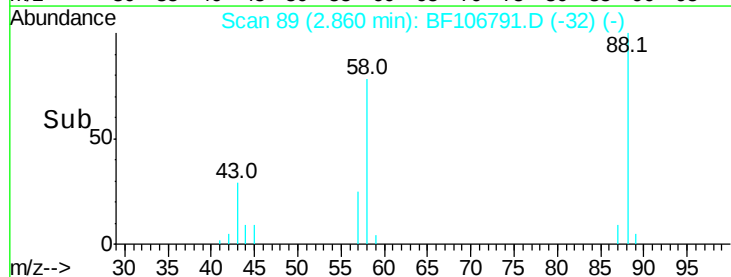
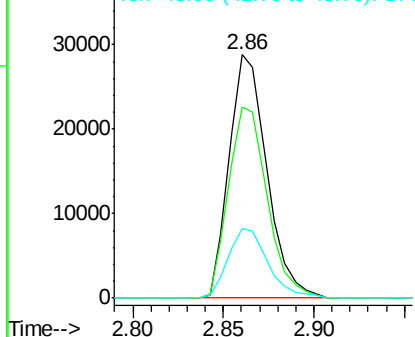
#2

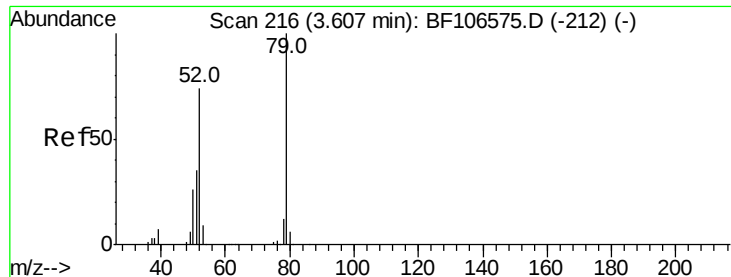
1,4-Dioxane  
Concen: 24.804 ng  
RT: 2.86 min Scan# 89  
Delta R.T. 0.04 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion: 88 Resp: 41681  
Ion Ratio Lower Upper  
88 100  
58 80.4 62.6 93.8  
43 30.0 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 28.078 ng

RT: 3.64 min Scan# 221

Delta R.T. 0.03 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

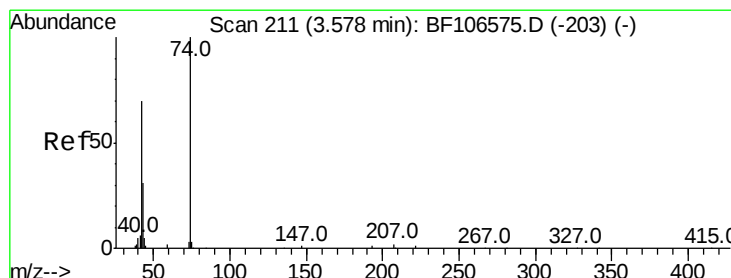
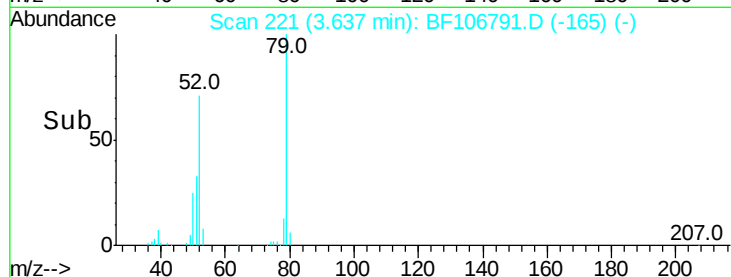
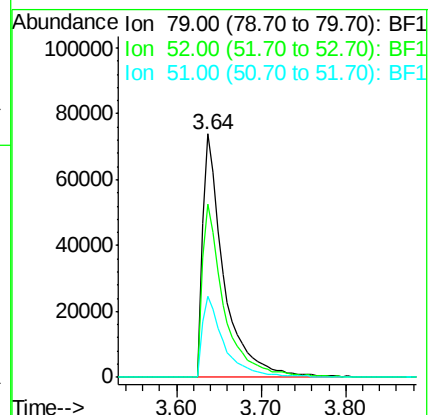
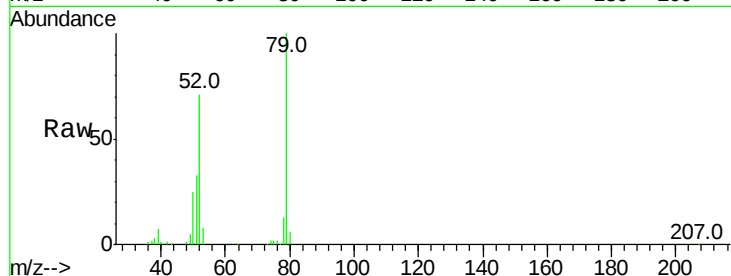
Tot Ion: 79 Resp: 127962

Ion Ratio Lower Upper

79 100

52 71.1 59.8 89.6

51 33.5 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 26.570 ng

RT: 3.60 min Scan# 215

Delta R.T. 0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

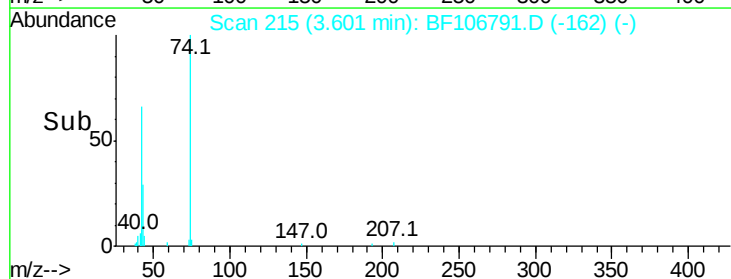
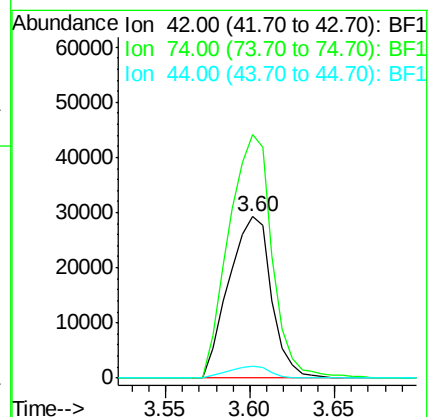
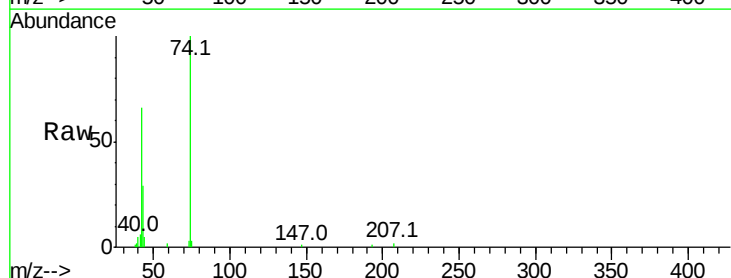
Tgt Ion: 42 Resp: 51429

Ion Ratio Lower Upper

42 100

74 150.7 104.9 157.3

44 7.5 6.9 10.3





#5

2-Fluorophenol

Concen: 84.860 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

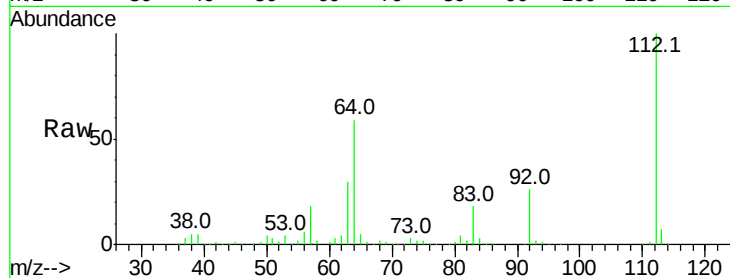
Tot Ion:112 Resp: 277370

Ion Ratio Lower Upper

112 100

64 59.1 47.9 71.9

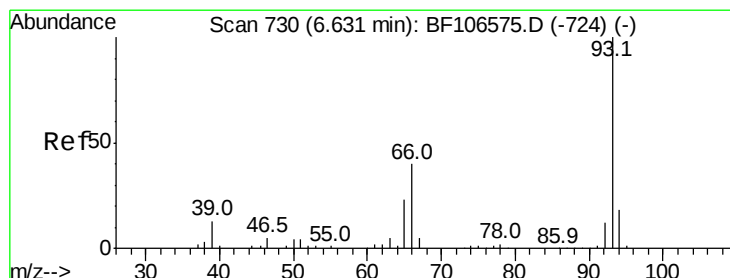
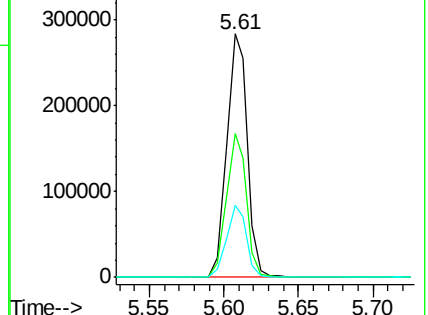
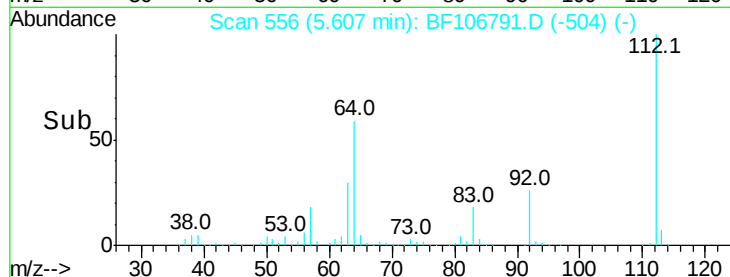
63 29.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 17.821 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

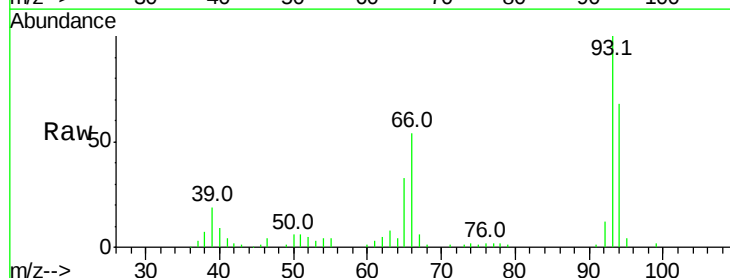
Tgt Ion: 93 Resp: 98673

Ion Ratio Lower Upper

93 100

66 54.1 32.2 48.2#

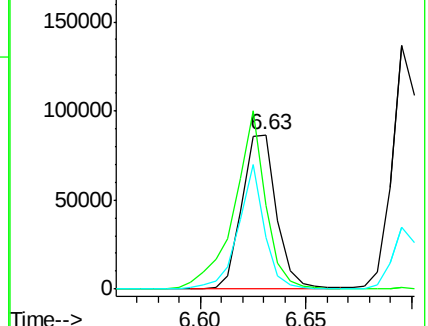
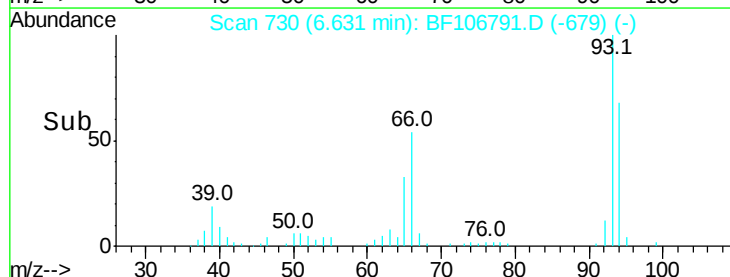
65 33.2 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.917 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

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ClientSampleId :

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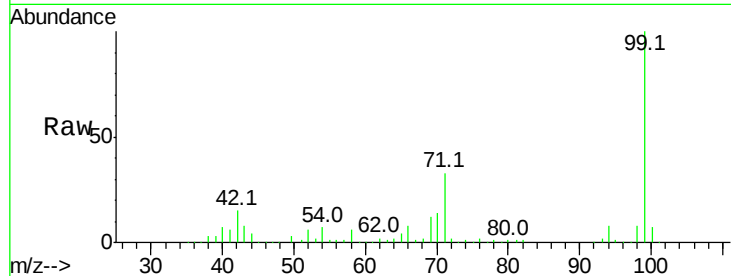
Tot Ion: 99 Resp: 395593

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

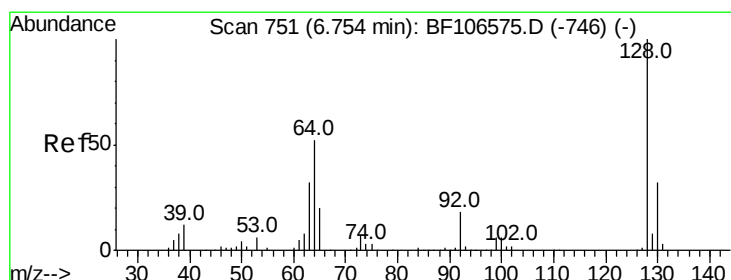
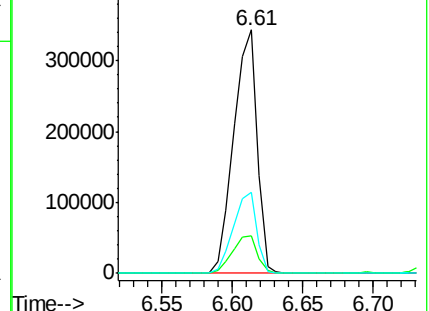
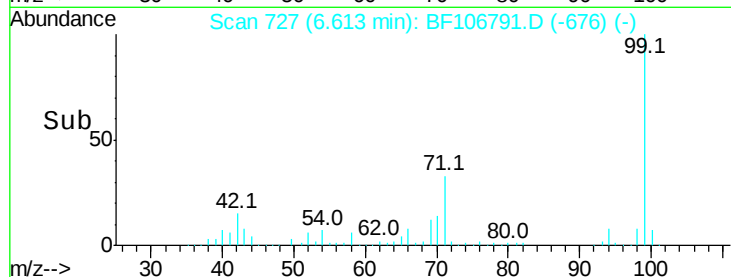
71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 30.514 ng

RT: 6.76 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

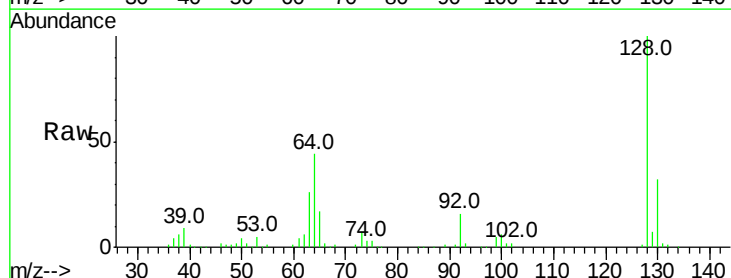
Tgt Ion: 128 Resp: 109392

Ion Ratio Lower Upper

128 100

130 32.1 13.0 53.0

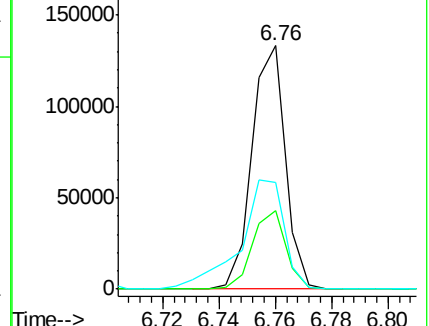
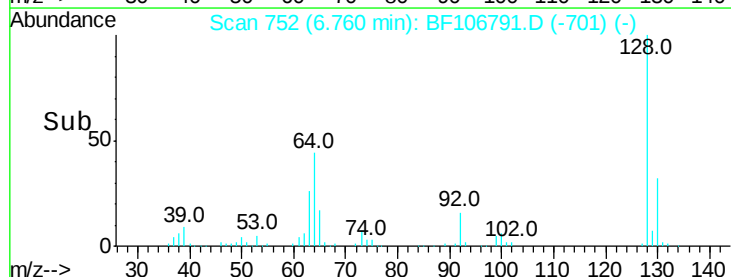
64 43.9 29.4 69.4



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): BF1





#9

Benzaldehyde

Concen: 17.098 ng

RT: 6.52 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF106791.D

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Instrument :

BNA\_F

ClientSampleId :

A-1MSD

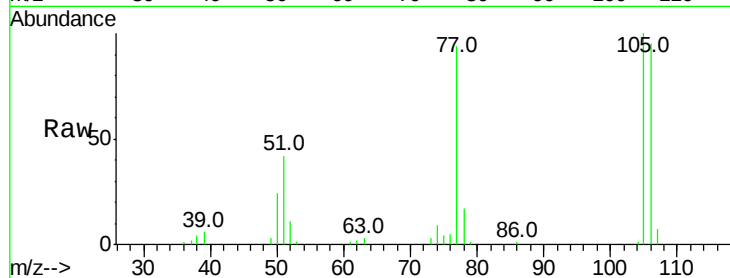
Tot Ion: 77 Resp: 55431

Ion Ratio Lower Upper

77 100

105 105.9 81.1 121.1

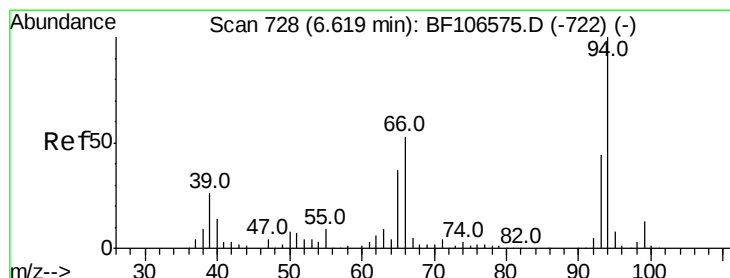
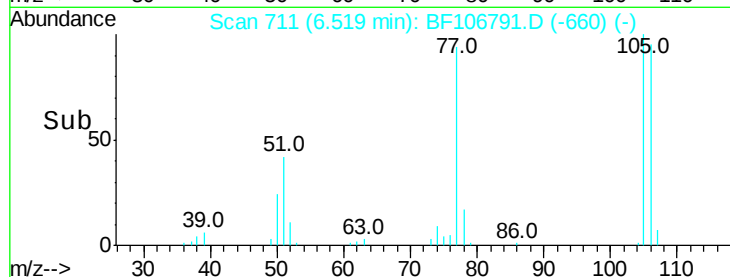
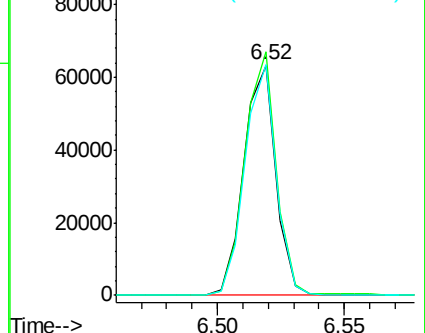
106 100.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 31.596 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

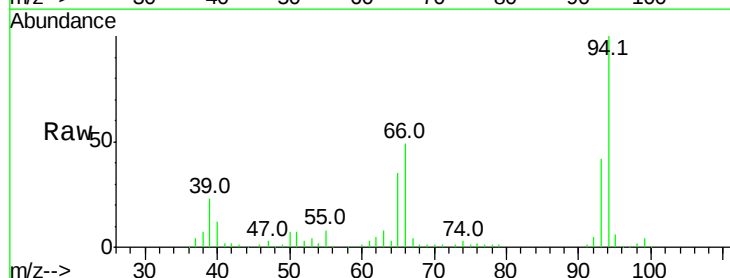
Tgt Ion: 94 Resp: 147182

Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

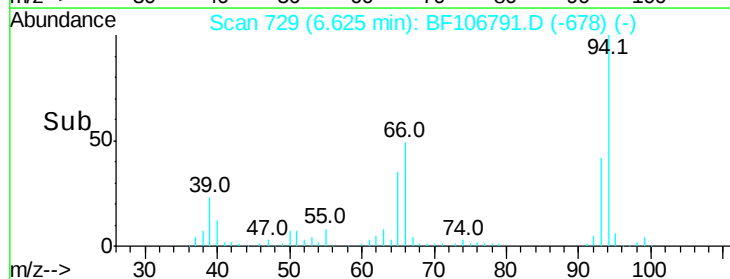
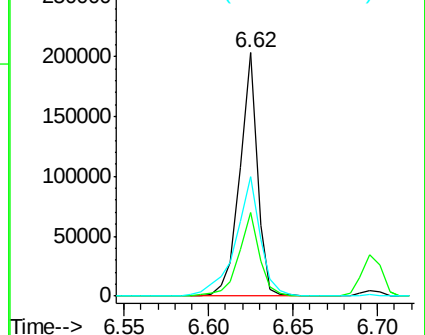
66 49.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 30.288 ng

RT: 6.70 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

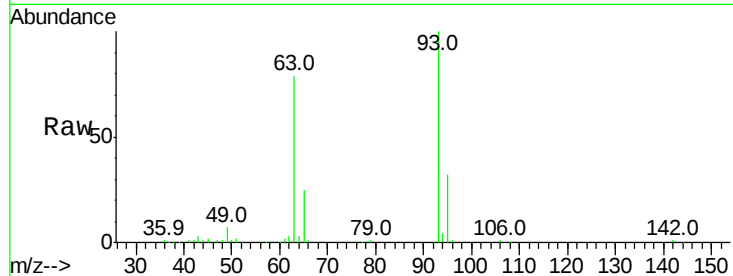
Tot Ion: 93 Resp: 116476

Ion Ratio Lower Upper

93 100

63 79.0 58.6 98.6

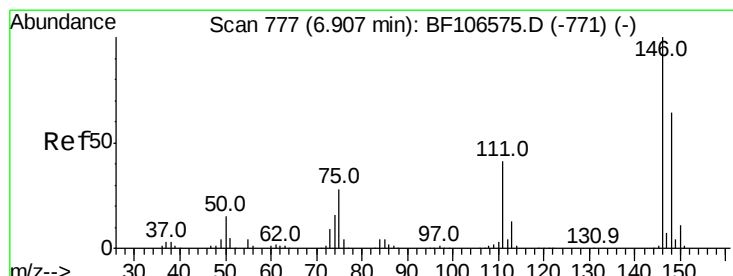
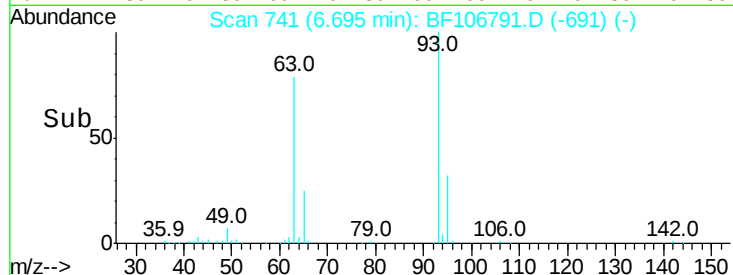
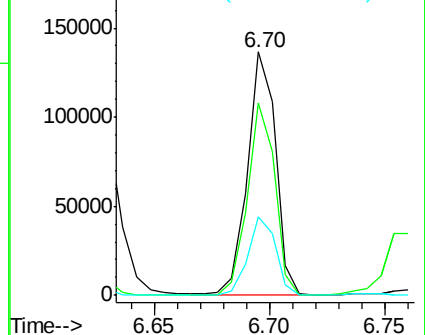
95 32.3 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 32.739 ng

RT: 6.91 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

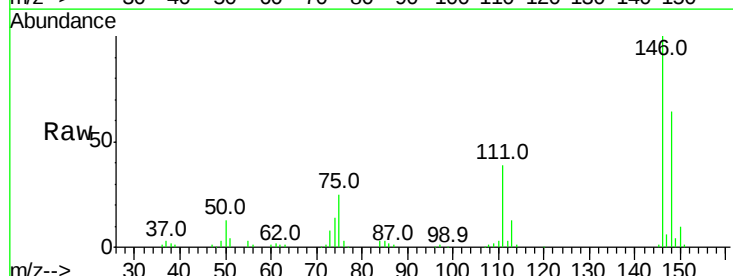
Tgt Ion: 146 Resp: 137468

Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.8

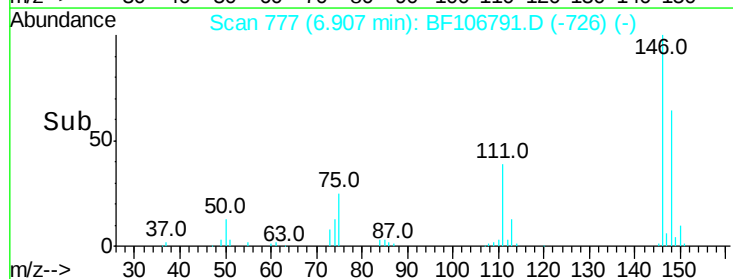
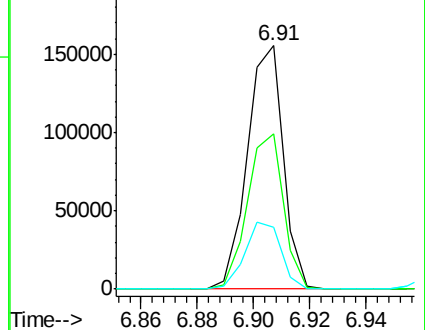
75 25.2 24.2 36.4

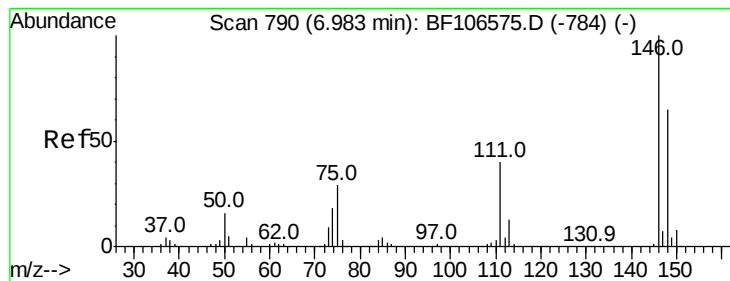


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 32.458 ng

RT: 6.98 min Scan# 789

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

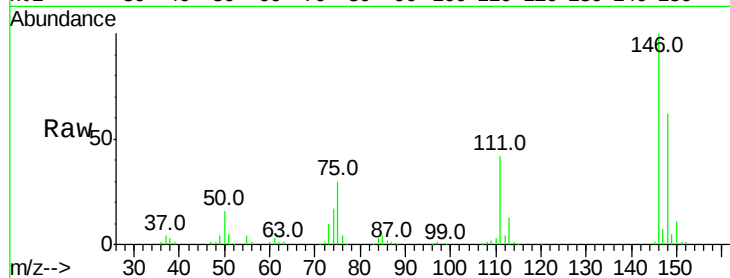
Tot Ion:146 Resp: 137787

Ion Ratio Lower Upper

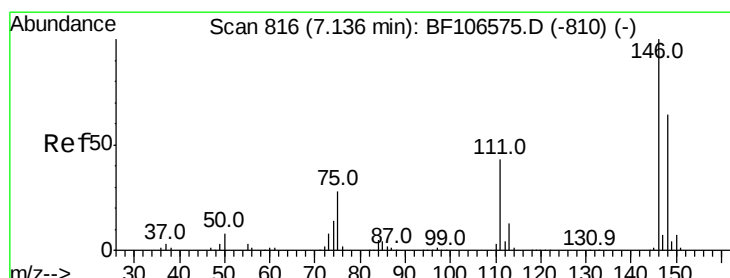
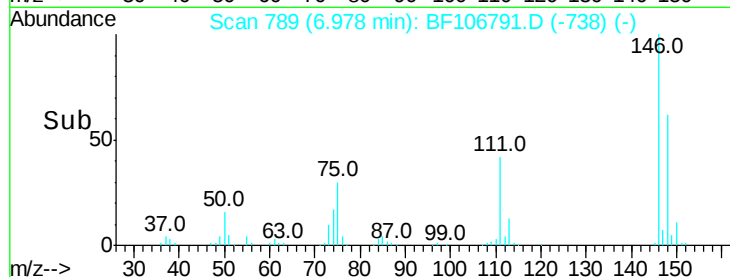
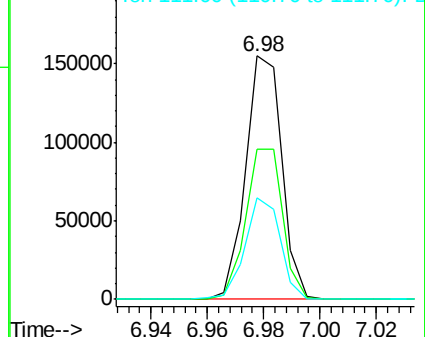
146 100

148 61.8 50.8 76.2

111 41.7 34.2 51.2



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



#14

1,2-Dichlorobenzene

Concen: 32.615 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

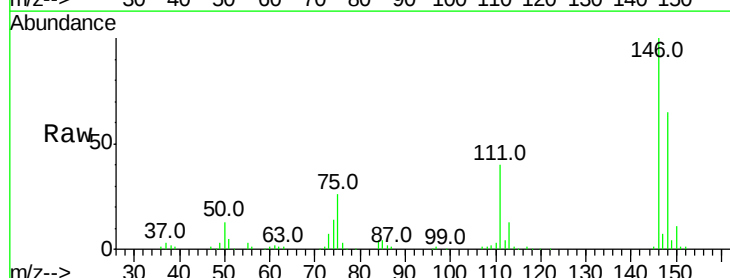
Tgt Ion:146 Resp: 126886

Ion Ratio Lower Upper

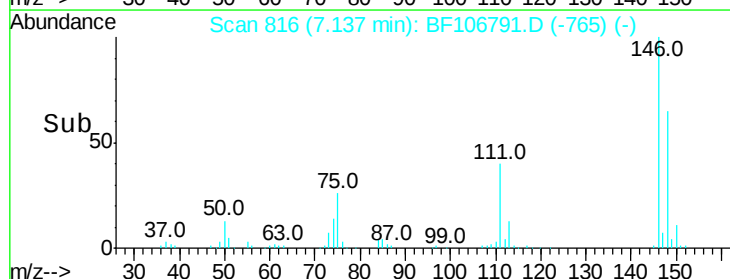
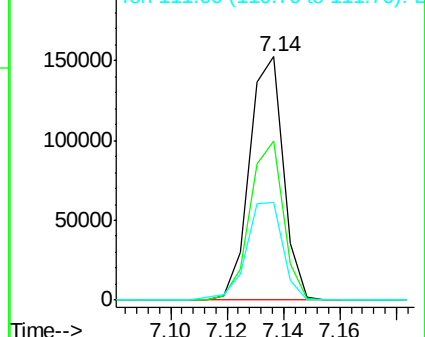
146 100

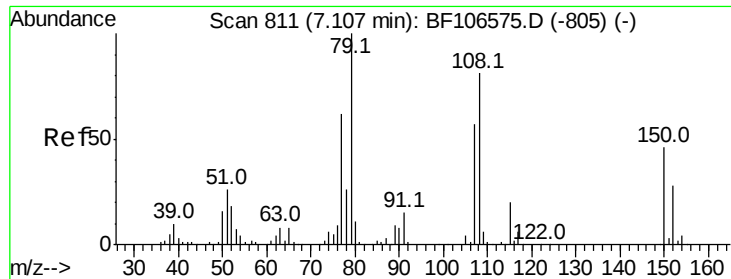
148 65.3 50.6 75.8

111 40.3 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 30.491 ng

RT: 7.11 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

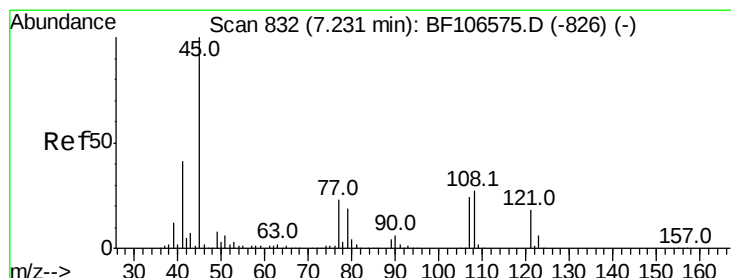
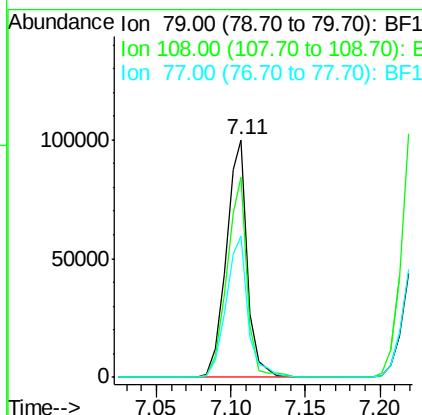
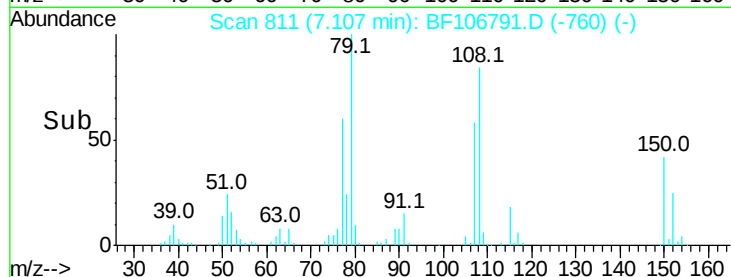
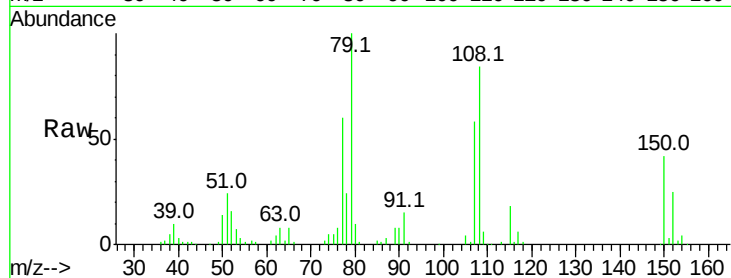
Tot Ion: 79 Resp: 99936

Ion Ratio Lower Upper

79 100

108 84.0 65.1 97.7

77 59.6 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.822 ng

RT: 7.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

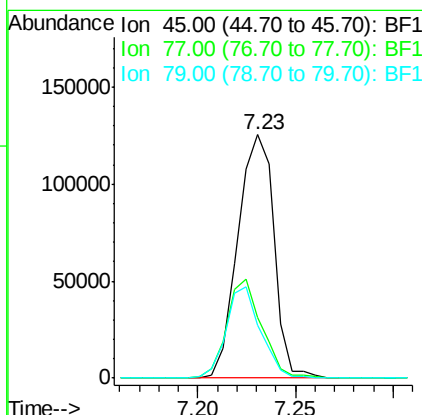
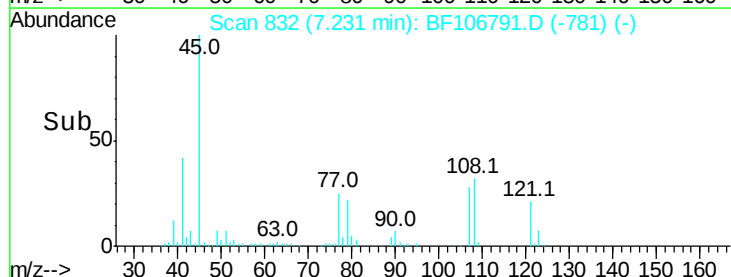
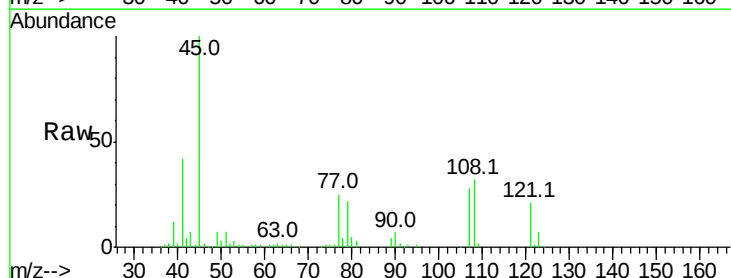
Tgt Ion: 45 Resp: 160563

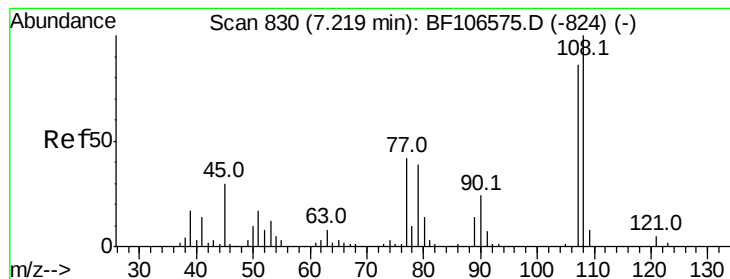
Ion Ratio Lower Upper

45 100

77 24.7 0.0 32.9

79 21.8 0.0 29.6





#17

2-Methylphenol

Concen: 31.986 ng

RT: 7.22 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

Tot Ion:107 Resp: 98131

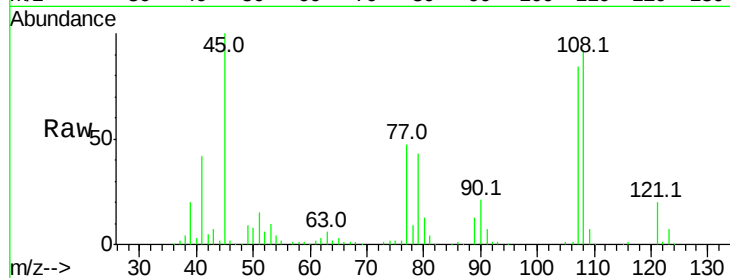
Ion Ratio Lower Upper

107 100

108 110.0 91.7 137.5

77 56.7 33.8 50.8#

79 52.0 33.8 50.8#



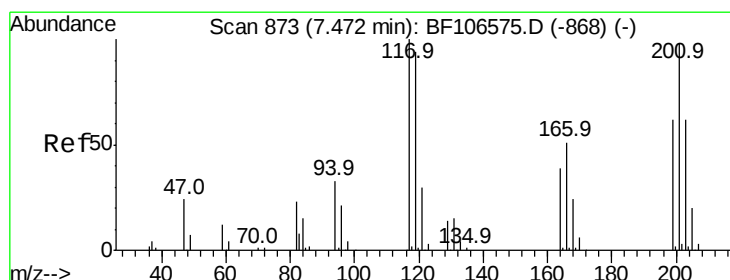
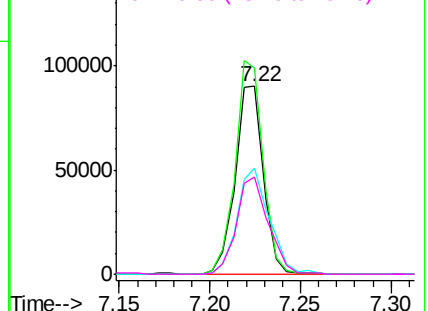
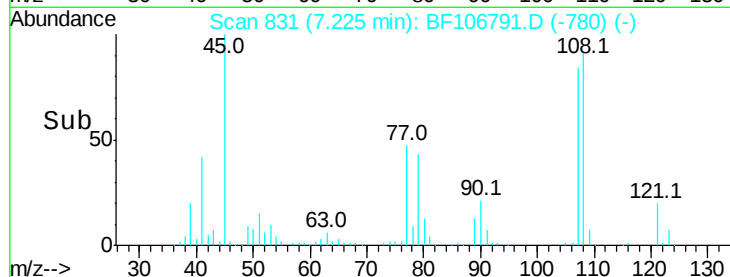
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 23.680 ng

RT: 7.47 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

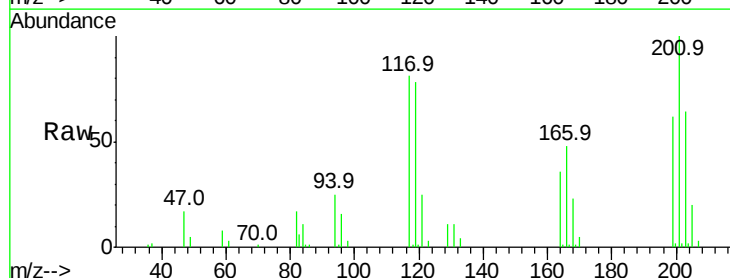
Tgt Ion:117 Resp: 35350

Ion Ratio Lower Upper

117 100

119 96.0 75.8 113.8

201 123.3 75.7 113.5#

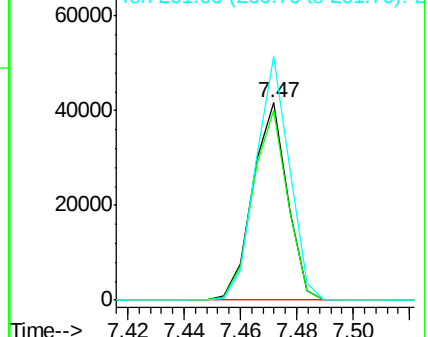
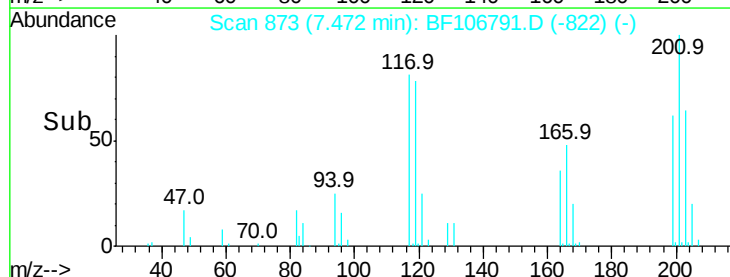


Abundance

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

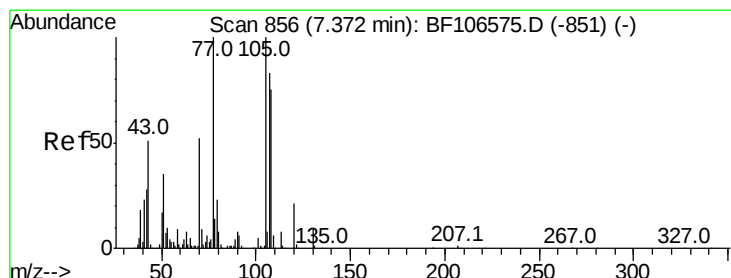
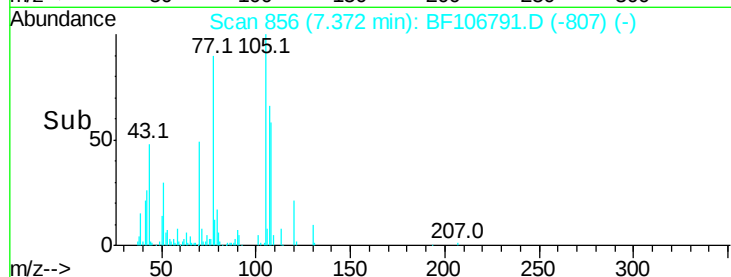
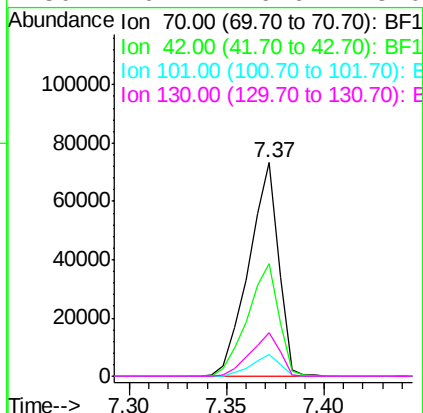
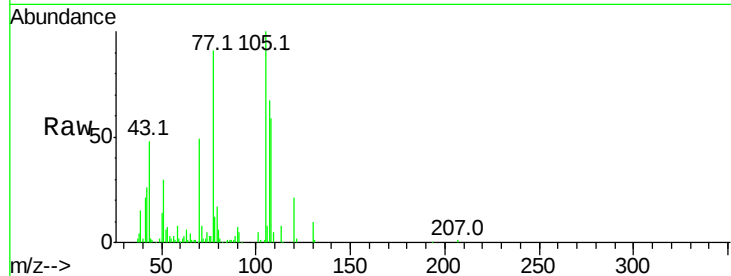




#19  
n-Nitroso-di-n-propylamine  
Concen: 28.698 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

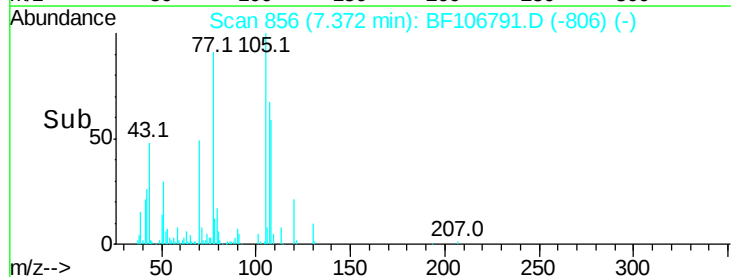
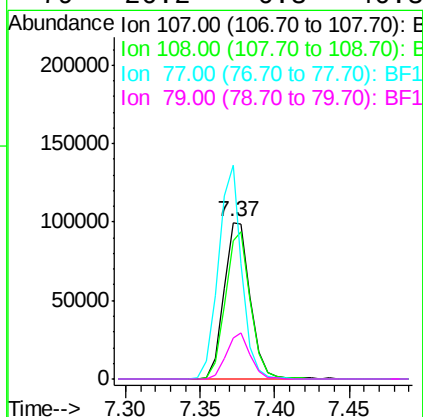
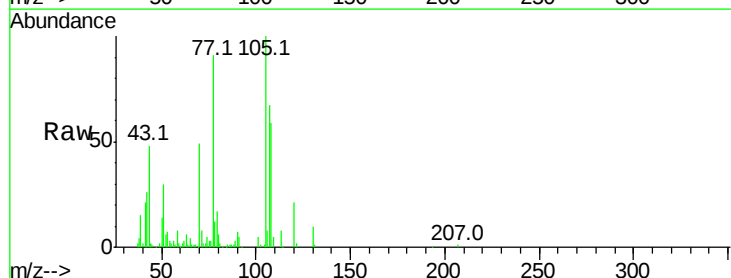
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

Tot Ion: 70 Resp: 77214  
Ion Ratio Lower Upper  
70 100  
42 52.8 47.5 71.3  
101 10.5 7.4 11.2  
130 20.4 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 34.968 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion: 107 Resp: 123227  
Ion Ratio Lower Upper  
107 100  
108 88.0 68.2 108.2  
77 136.4 26.7 66.7#  
79 26.2 6.3 46.3

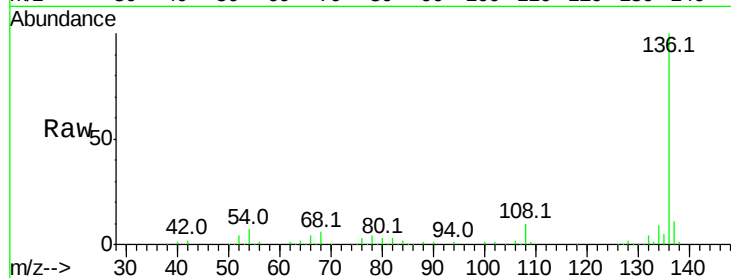




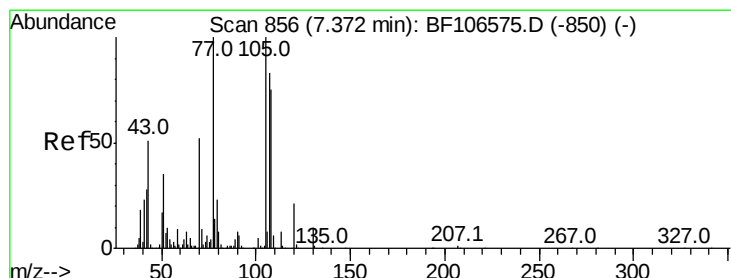
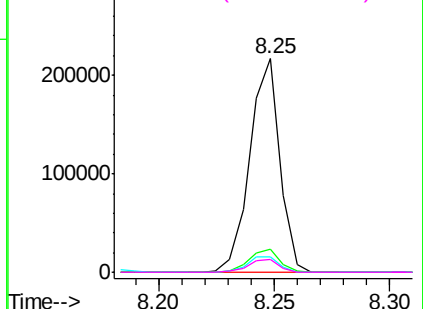
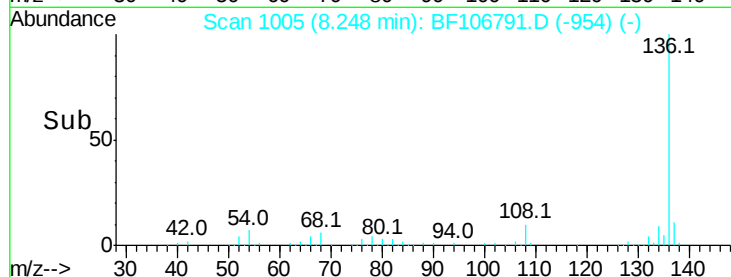
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 197152 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 6.0   | 5.0   | 7.4    |

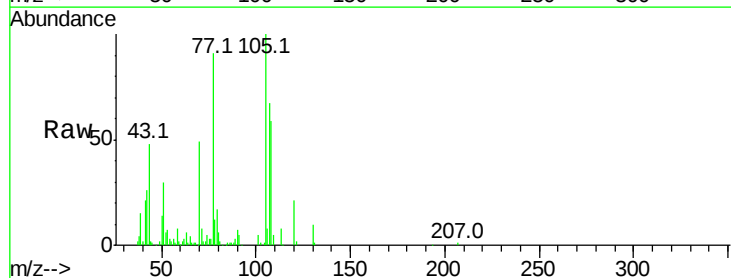


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

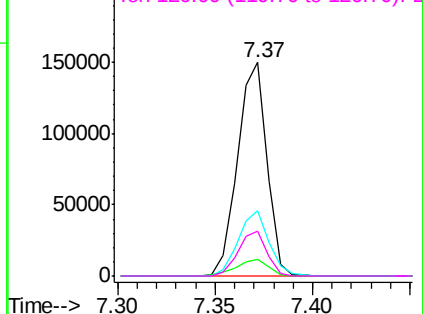
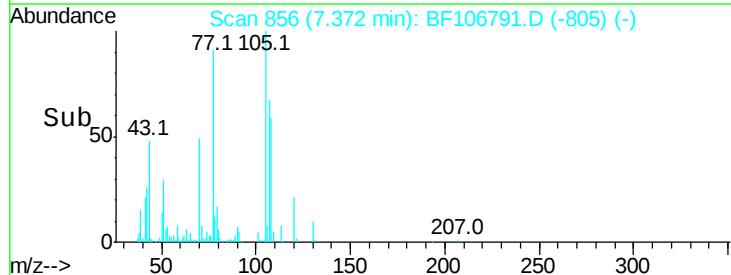


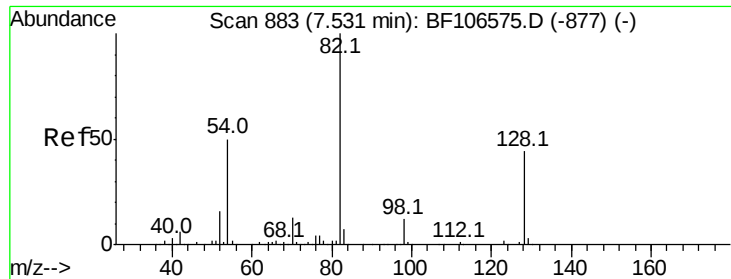
#22  
Acetophenone  
Concen: 35.235 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 155413 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 7.9   | 4.4   | 6.6#   |
| 51       | 30.5  | 22.3  | 33.5   |
| 120      | 20.7  | 16.9  | 25.3   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E



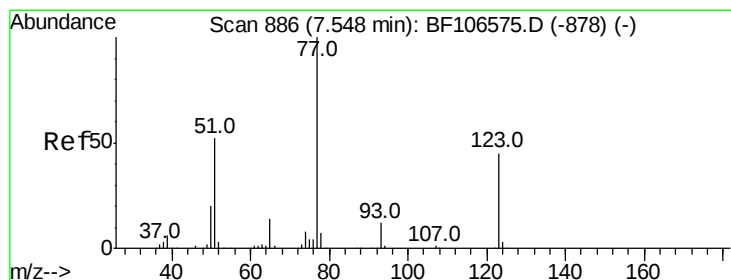
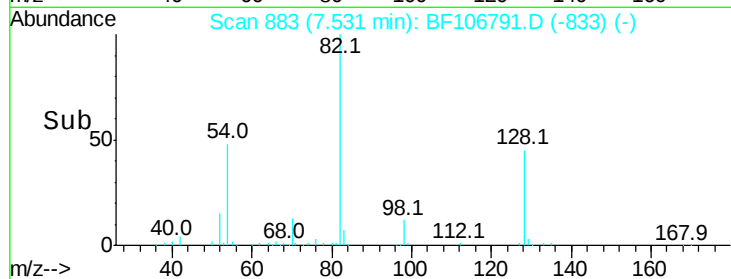
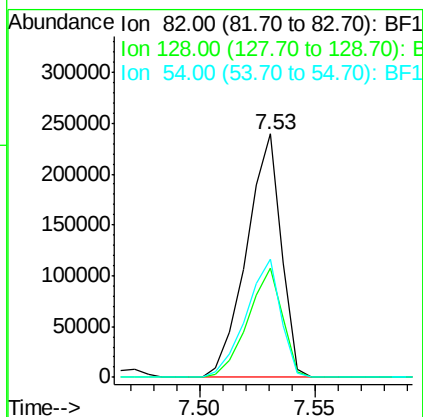
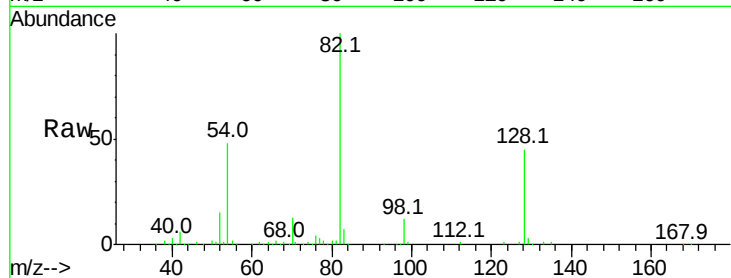


#23  
 Nitrobenzene-d5  
 Concen: 70.848 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Tot Ion: 82 Resp: 251338  

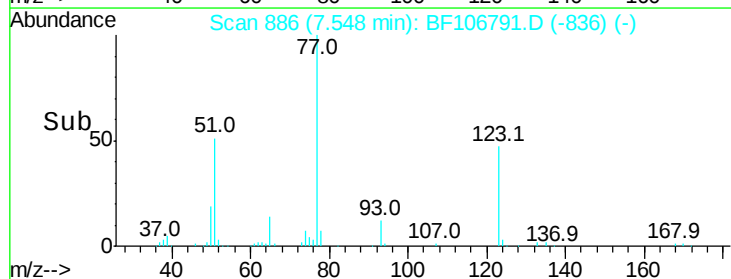
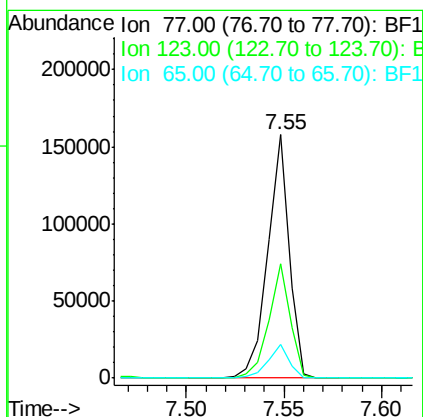
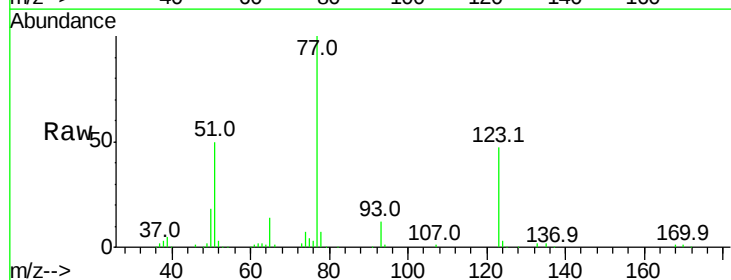
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.9  | 36.1  | 54.1  |
| 54  | 48.4  | 41.4  | 62.2  |

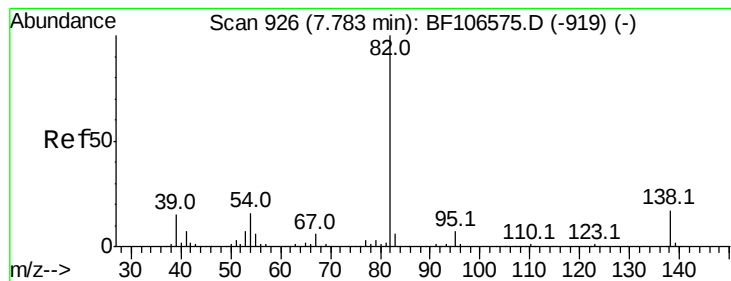


#24  
 Nitrobenzene  
 Concen: 33.369 ng  
 RT: 7.55 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion: 77 Resp: 120859  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 46.9  | 37.9  | 56.9  |
| 65  | 13.7  | 11.0  | 16.4  |





#25

Isophorone

Concen: 34.771 ng

RT: 7.78 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

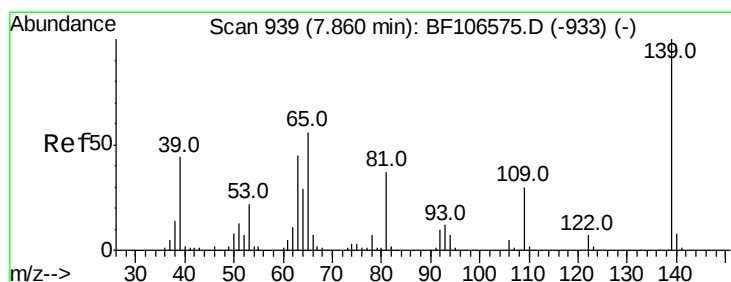
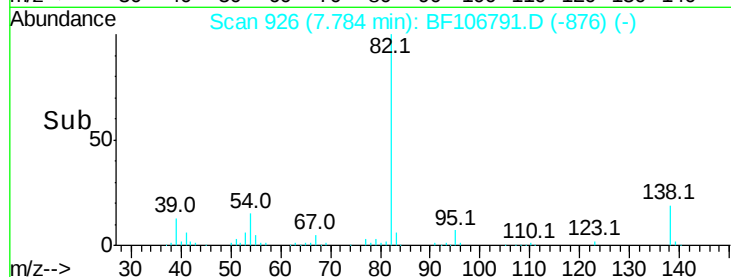
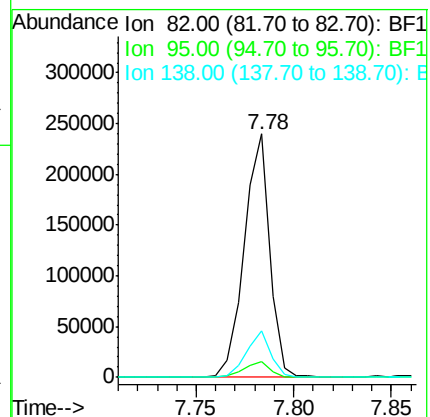
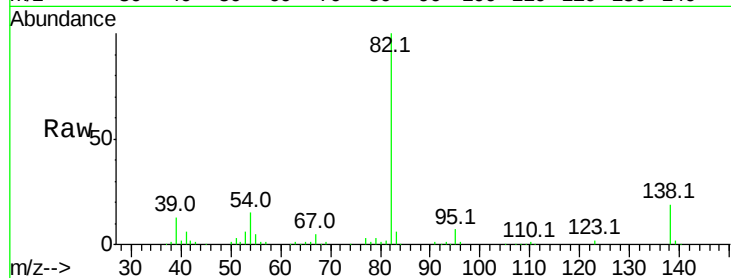
Tot Ion: 82 Resp: 217367

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

138 18.9 14.9 22.3



#26

2-Nitrophenol

Concen: 24.789 ng

RT: 7.86 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

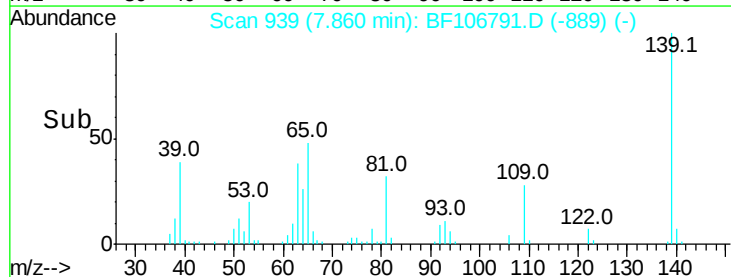
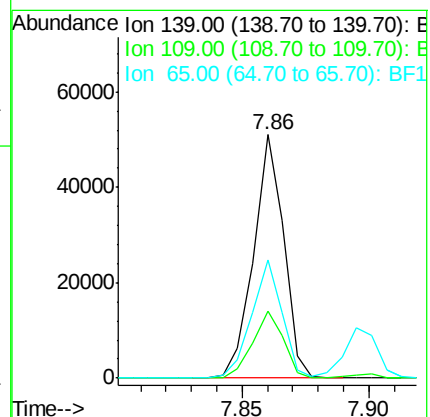
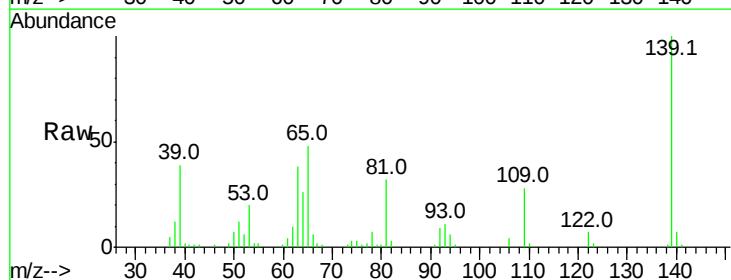
Tgt Ion: 139 Resp: 42384

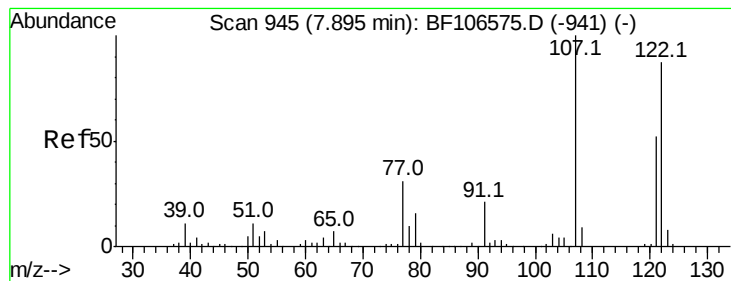
Ion Ratio Lower Upper

139 100

109 27.7 22.7 34.1

65 48.3 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 38.944 ng

RT: 7.90 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

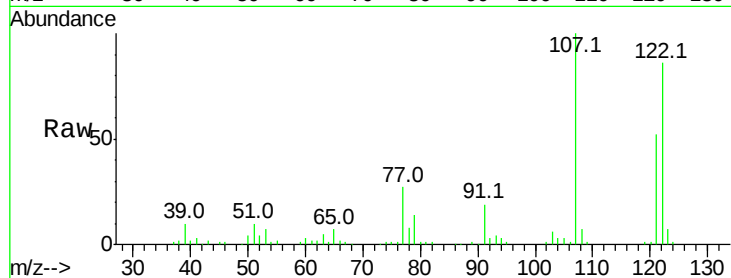
Tot Ion:122 Resp: 102921

Ion Ratio Lower Upper

122 100

107 116.1 91.2 136.8

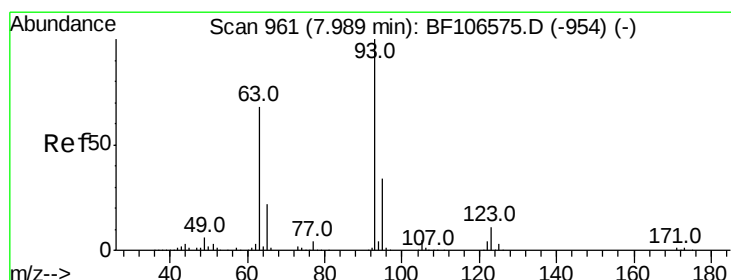
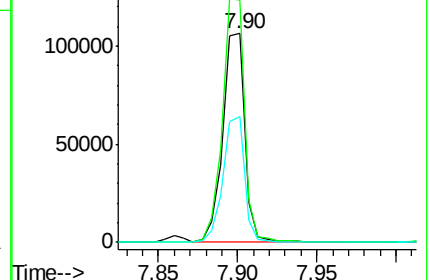
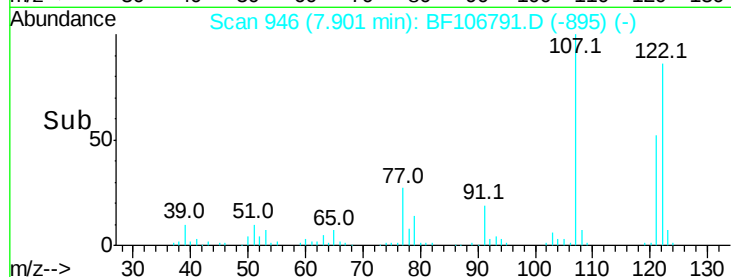
121 60.6 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 33.809 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

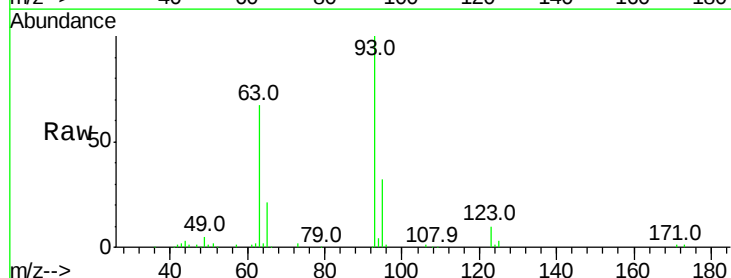
Tgt Ion: 93 Resp: 141908

Ion Ratio Lower Upper

93 100

95 32.3 26.3 39.5

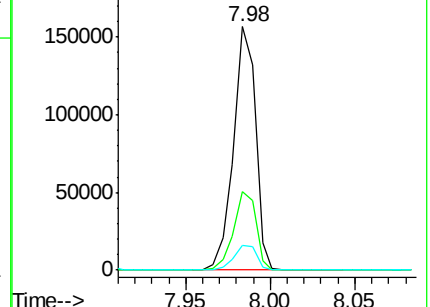
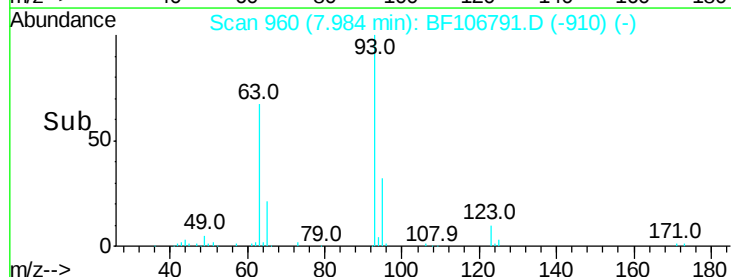
123 10.3 9.8 14.6

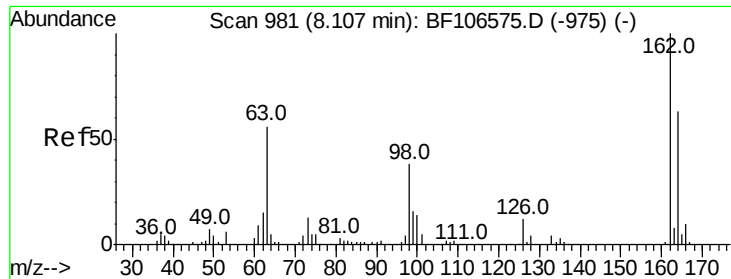


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

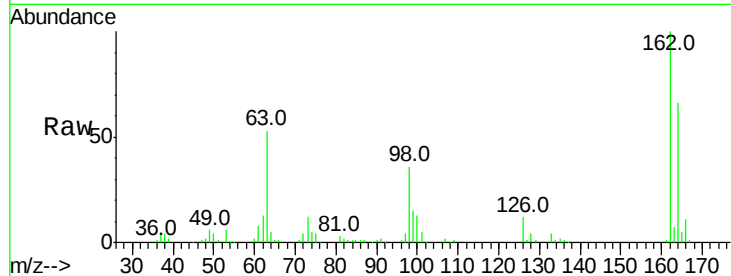




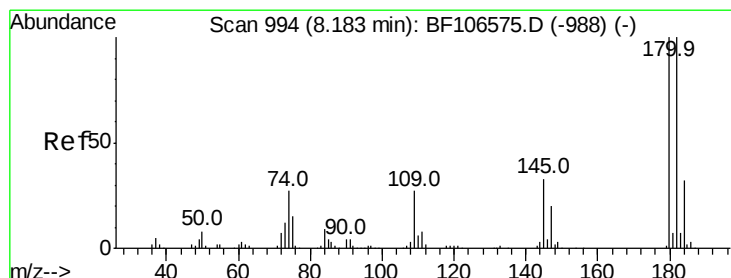
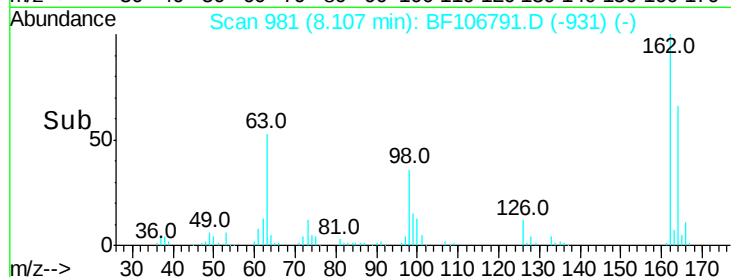
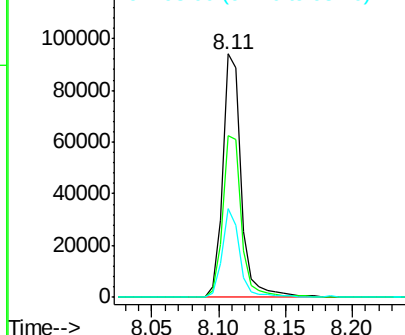
#29  
 2,4-Dichlorophenol  
 Concen: 33.510 ng  
 RT: 8.11 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Tot Ion:162 Resp: 92715  
 Ion Ratio Lower Upper  
 162 100  
 164 66.4 42.7 82.7  
 98 36.2 18.1 58.1

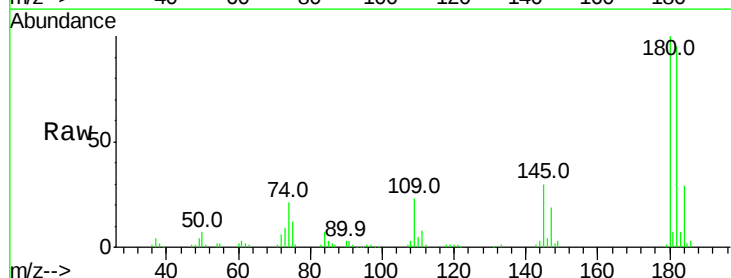


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

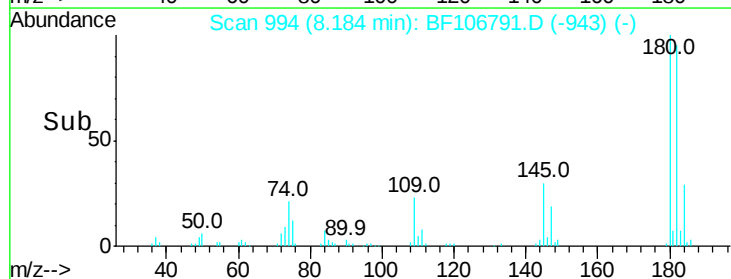
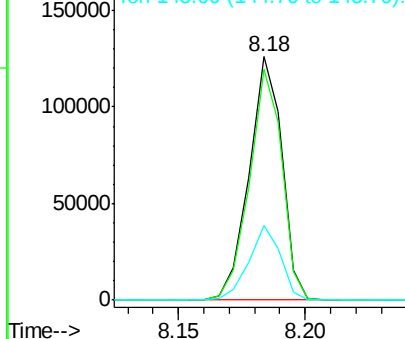


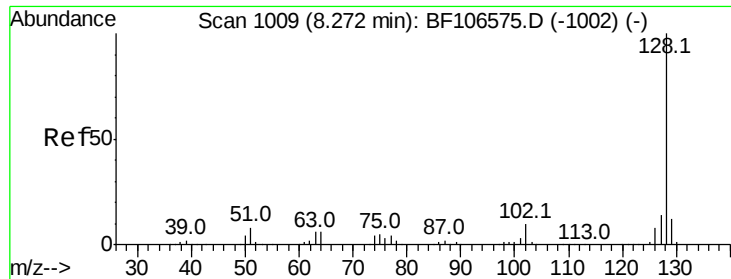
#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.371 ng  
 RT: 8.18 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion:180 Resp: 113904  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 76.8 115.2  
 145 30.4 26.5 39.7



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

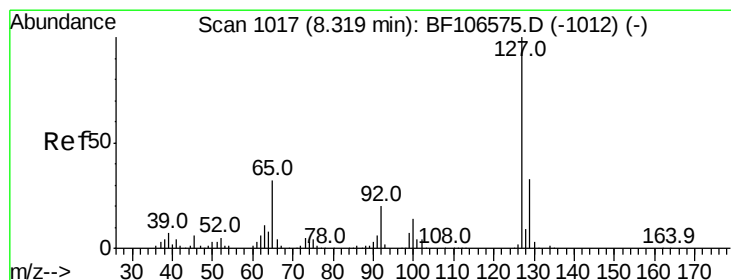
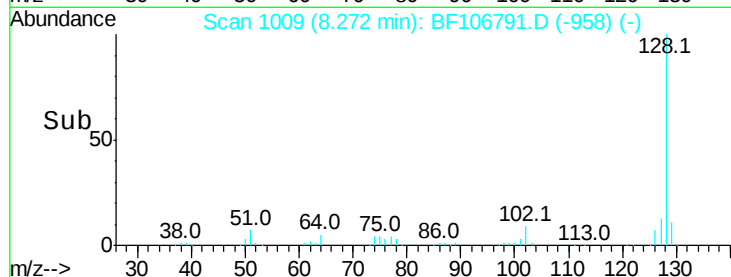
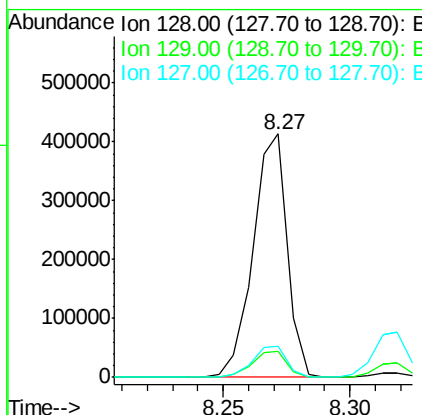
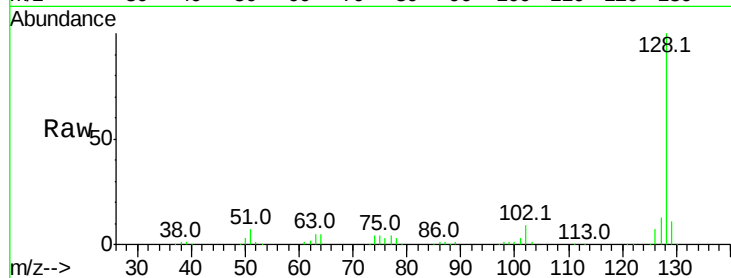




#31  
Naphthalene  
Concen: 41.878 ng  
RT: 8.27 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

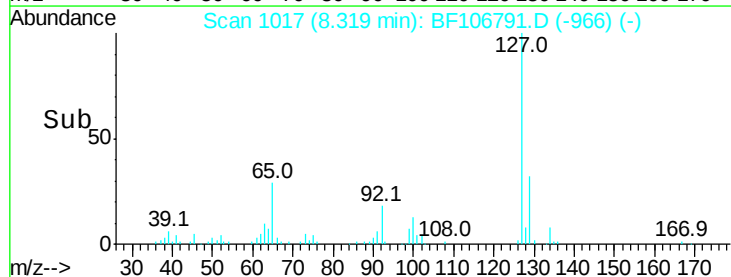
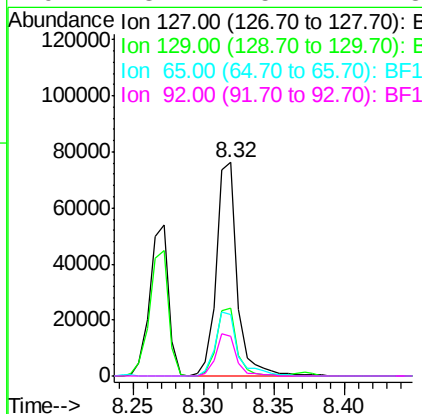
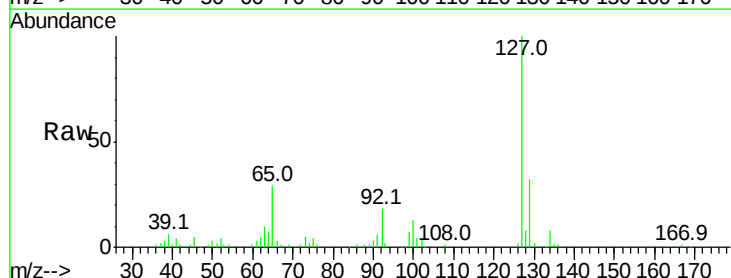
Instrument :  
BNA\_F  
ClientSampled :  
A-1MSD

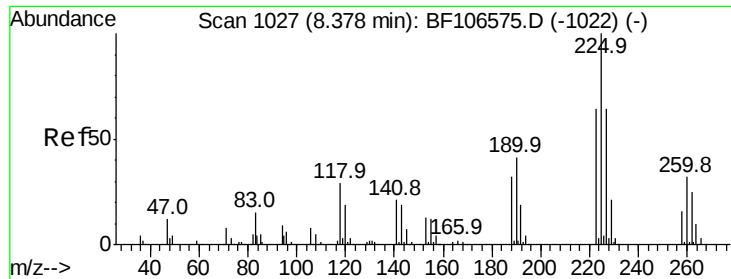
Tot Ion:128 Resp: 386006  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 13.0 10.9 16.3



#33  
4-Chloroaniline  
Concen: 20.290 ng  
RT: 8.32 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:127 Resp: 78475  
Ion Ratio Lower Upper  
127 100  
129 31.8 25.9 38.9  
65 28.9 25.0 37.4  
92 18.4 15.2 22.8

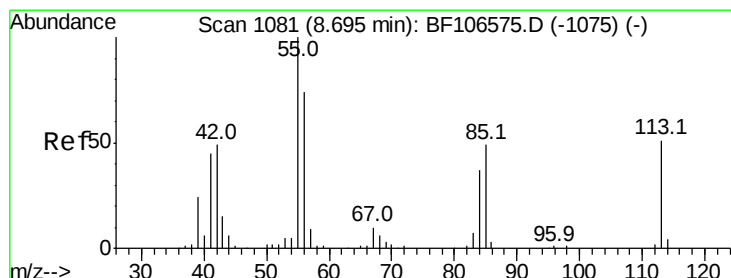
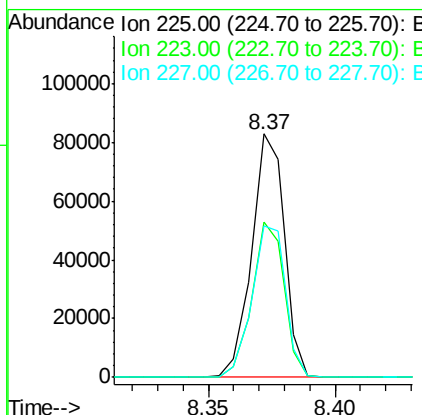
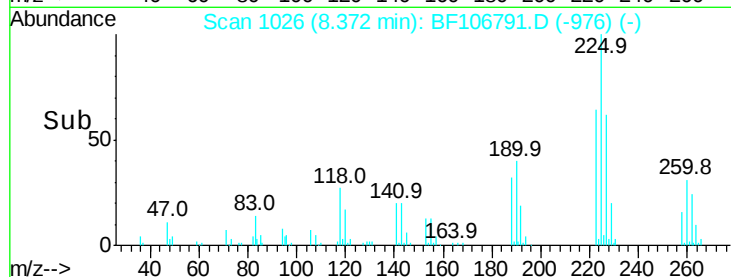
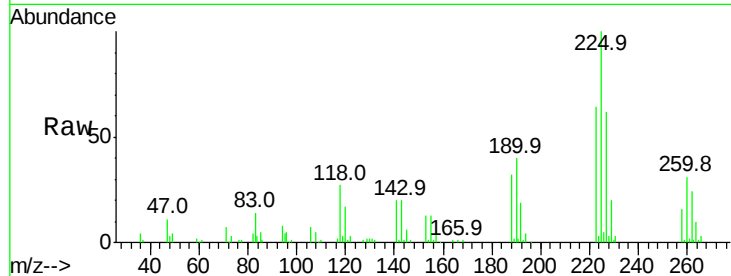




#34  
Hexachlorobutadiene  
Concen: 37.559 ng  
RT: 8.37 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

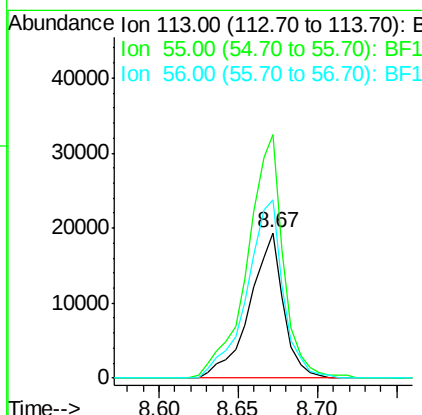
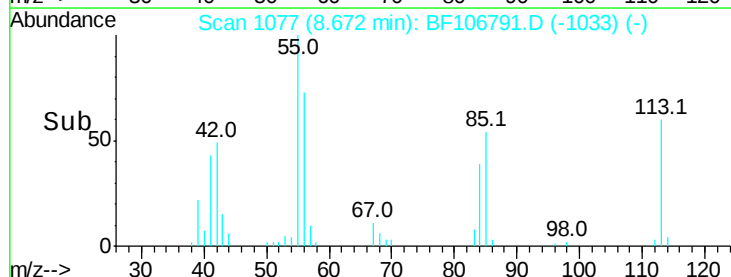
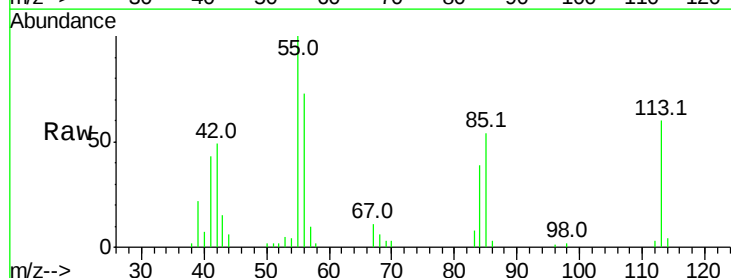
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

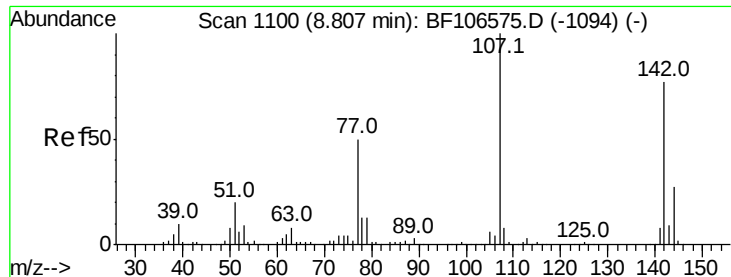
Tot Ion:225 Resp: 74593  
Ion Ratio Lower Upper  
225 100  
223 63.6 50.6 76.0  
227 62.4 51.9 77.9



#35  
Caprolactam  
Concen: 31.803 ng  
RT: 8.67 min Scan# 1077  
Delta R.T. -0.04 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:113 Resp: 28683  
Ion Ratio Lower Upper  
113 100  
55 167.2 163.3 203.3  
56 122.8 115.7 155.7

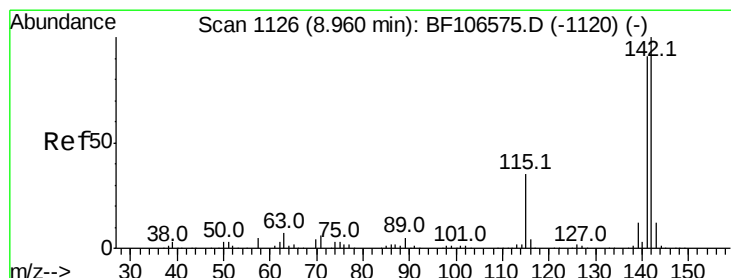
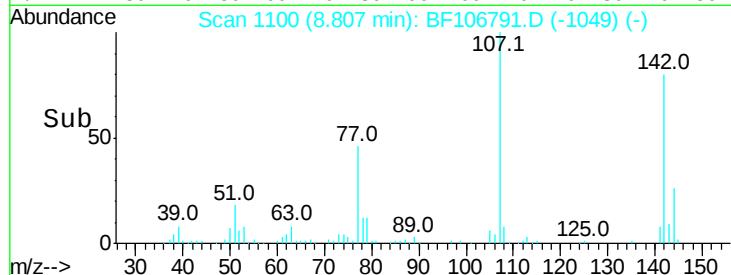
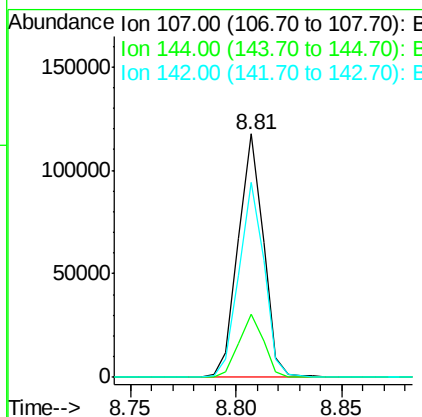
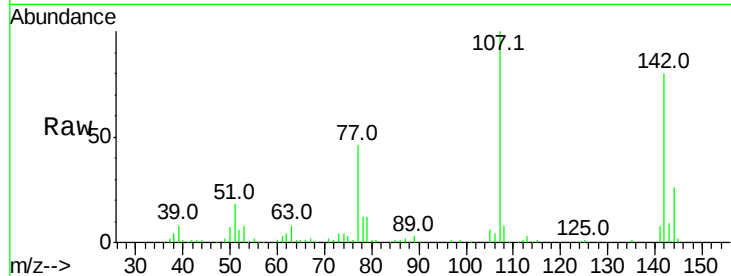




#36  
 4-Chloro-3-methylphenol  
 Concen: 33.355 ng  
 RT: 8.81 min Scan# 1100  
 Delta R.T. -0.00 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

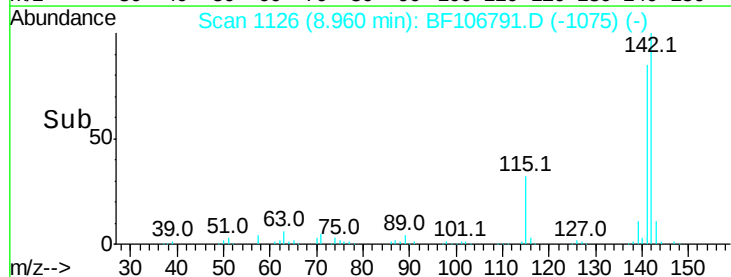
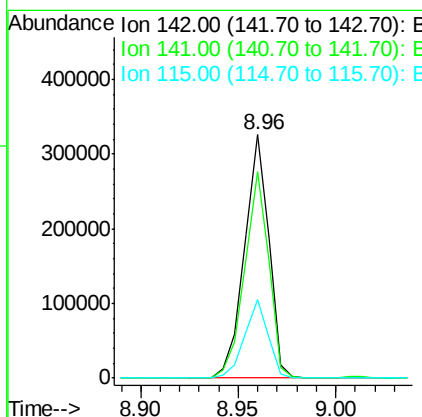
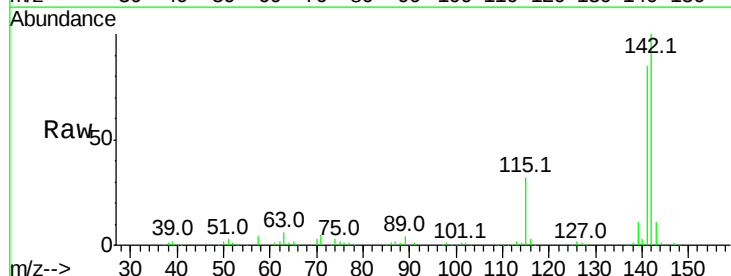
Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

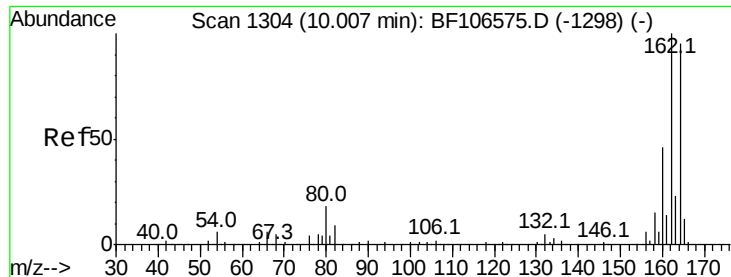
Tot Ion:107 Resp: 97137  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 20.5 30.7  
 142 80.1 62.0 93.0



#37  
 2-Methylnaphthalene  
 Concen: 46.097 ng  
 RT: 8.96 min Scan# 1126  
 Delta R.T. -0.00 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion:142 Resp: 281633  
 Ion Ratio Lower Upper  
 142 100  
 141 84.7 70.8 106.2  
 115 32.5 26.1 39.1

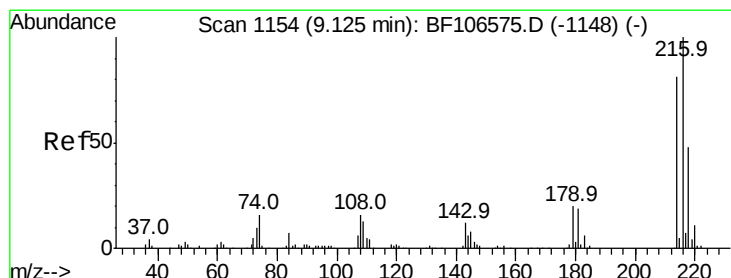
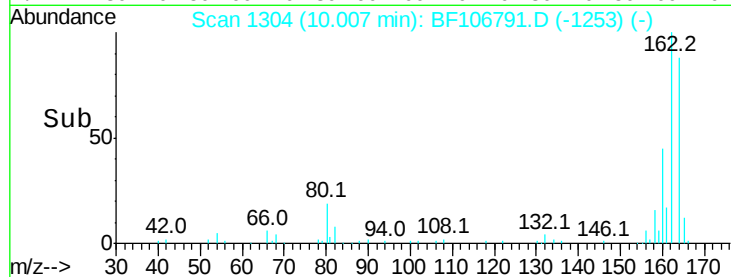
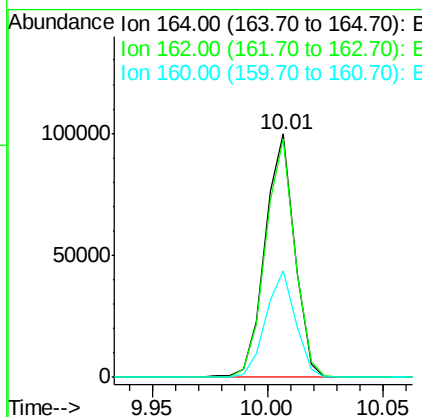
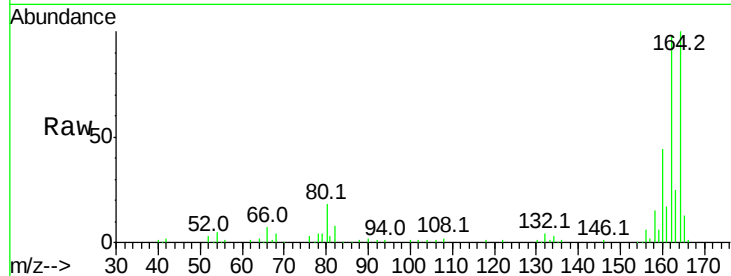




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

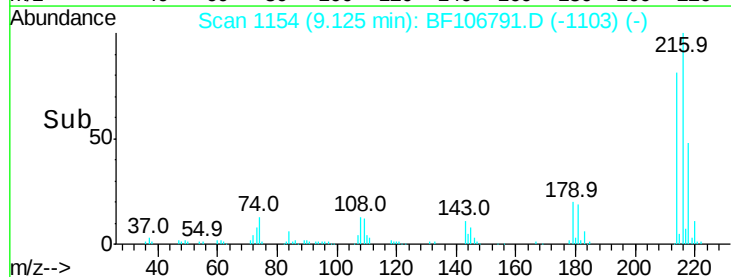
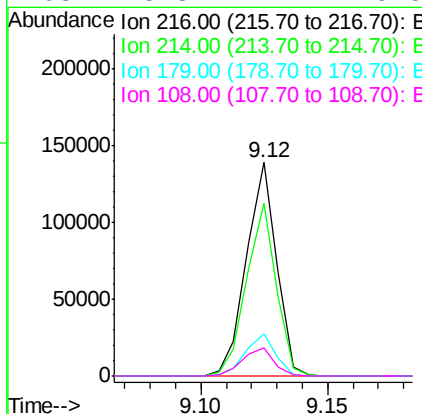
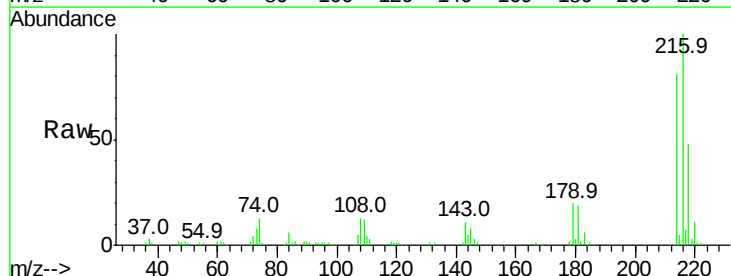
Instrument :  
BNA\_F  
ClientSampled :  
A-1MSD

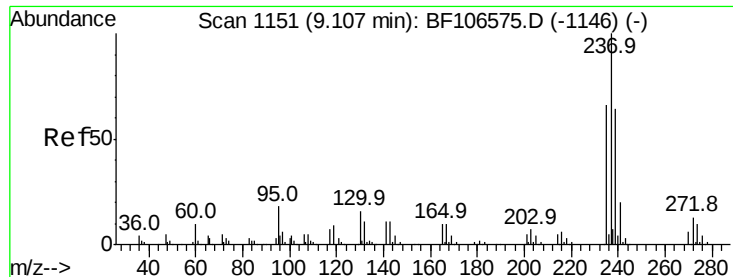
Tot Ion:164 Resp: 88559  
Ion Ratio Lower Upper  
164 100  
162 97.9 86.1 129.1  
160 43.6 38.3 57.5



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.523 ng  
RT: 9.12 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:216 Resp: 114891  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.0 94.4  
179 19.6 18.1 27.1  
108 13.8 17.2 25.8#

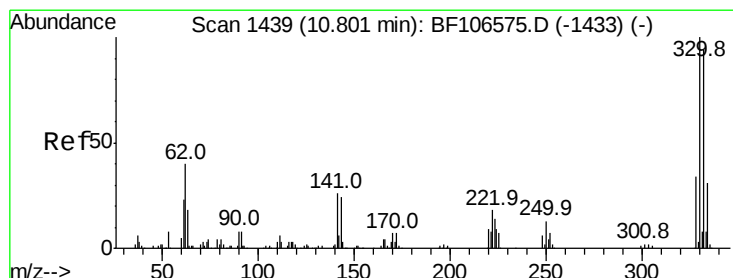
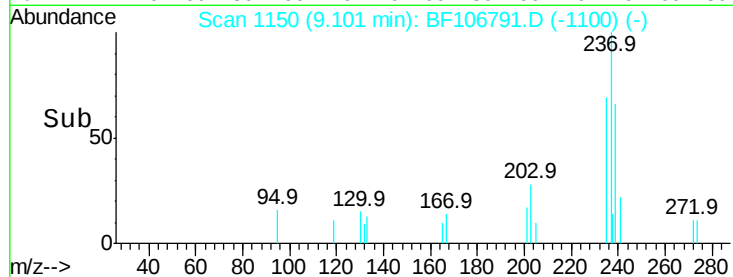
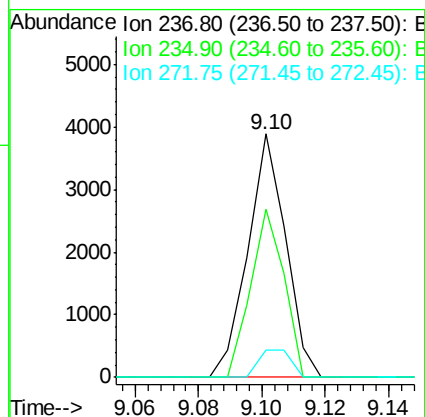
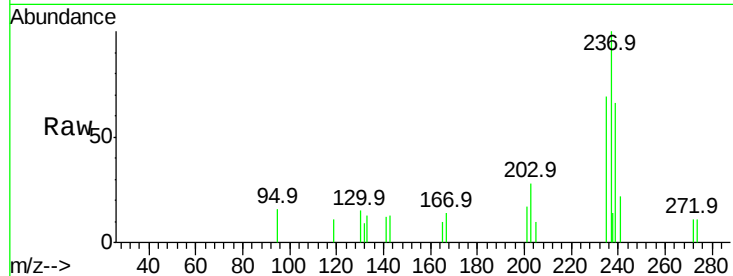




#40  
Hexachlorocyclopentadiene  
Concen: 2.098 ng  
RT: 9.10 min Scan# 1150  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

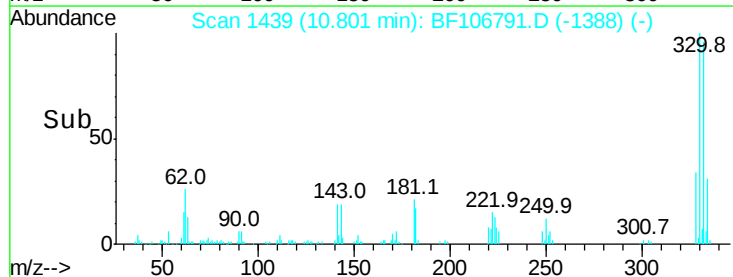
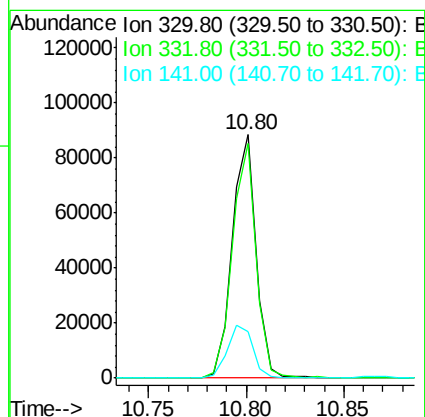
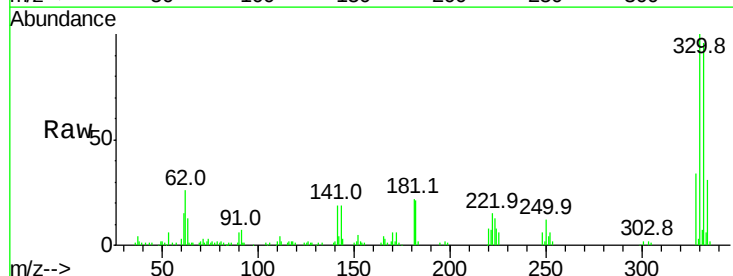
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

Tot Ion:237 Resp: 3220  
Ion Ratio Lower Upper  
237 100  
235 68.9 44.8 84.8  
272 11.1 0.0 33.3



#41  
2,4,6-Tribromophenol  
Concen: 72.773 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:330 Resp: 74696  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.0 115.6  
141 23.8 29.9 44.9#

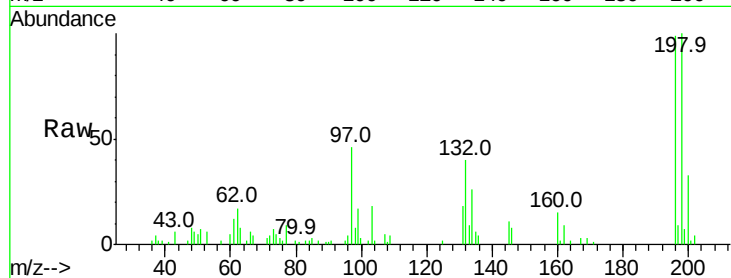




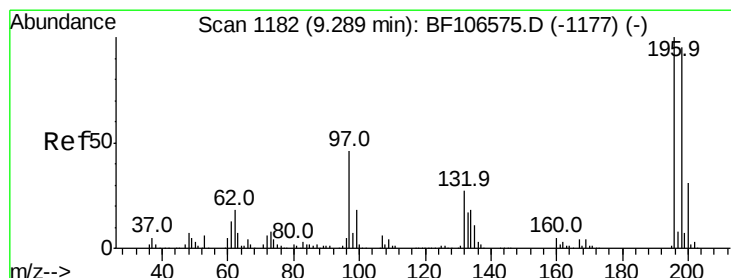
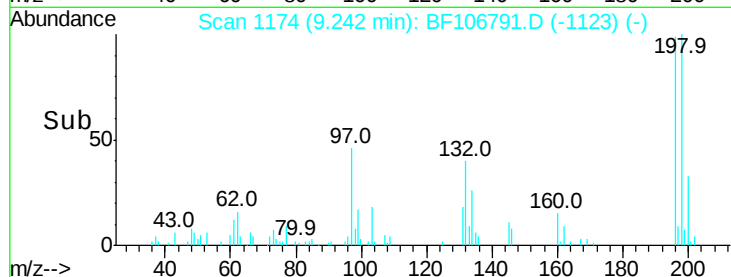
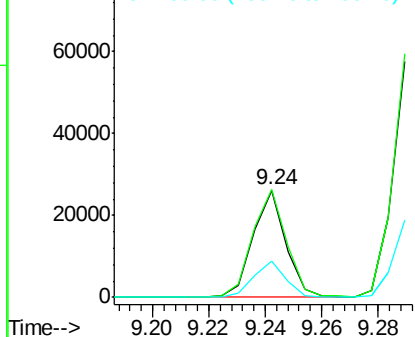
#42  
 2,4,6-Trichlorophenol  
 Concen: 10.565 ng  
 RT: 9.24 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Tot Ion:196 Resp: 20945  
 Ion Ratio Lower Upper  
 196 100  
 198 101.3 75.7 113.5  
 200 33.8 24.5 36.7



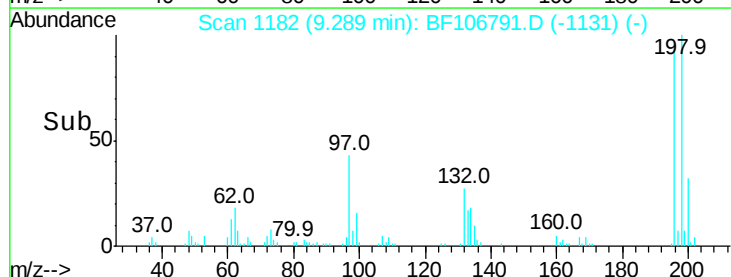
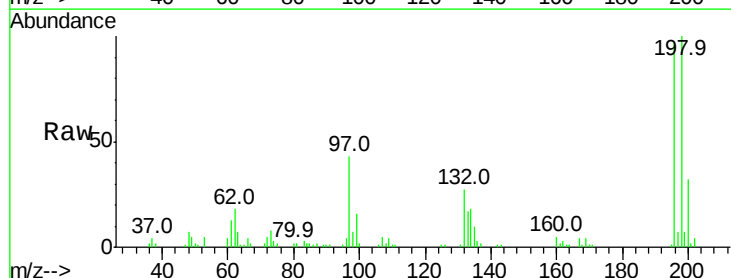
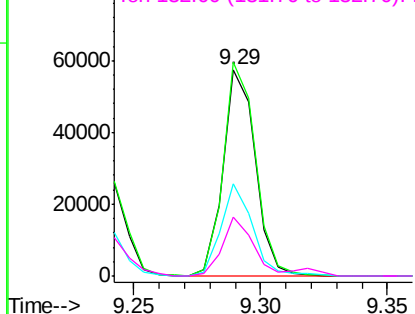
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

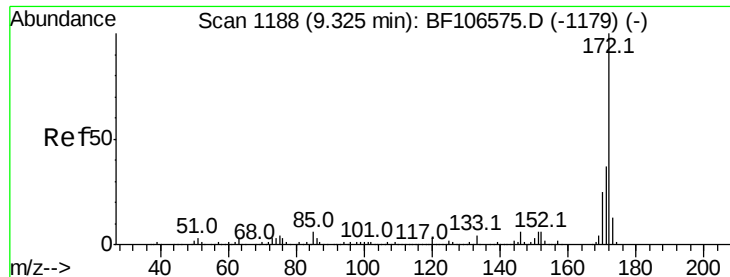


#43  
 2,4,5-Trichlorophenol  
 Concen: 24.584 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion:196 Resp: 50856  
 Ion Ratio Lower Upper  
 196 100  
 198 103.4 74.6 112.0  
 97 44.9 42.9 64.3  
 132 28.4 26.3 39.5

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





#44

2-Fluorobiphenyl

Concen: 84.415 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

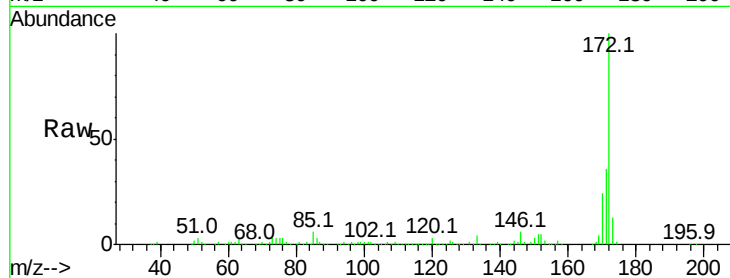
Tot Ion:172 Resp: 442194

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

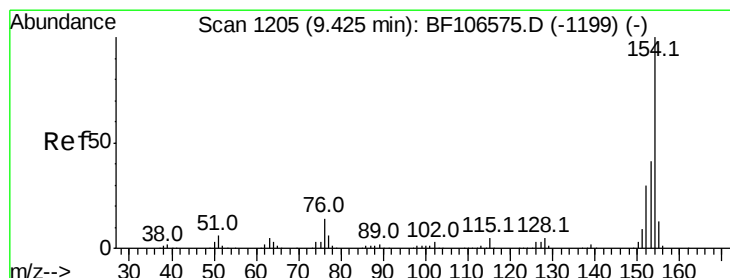
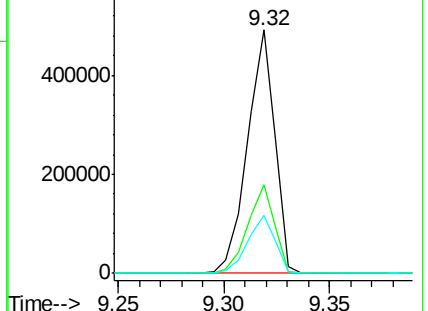
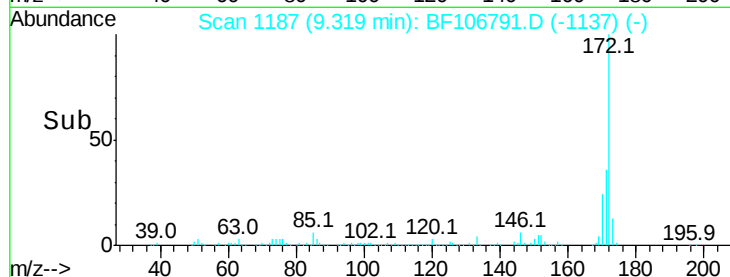
170 23.9 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 40.830 ng

RT: 9.42 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

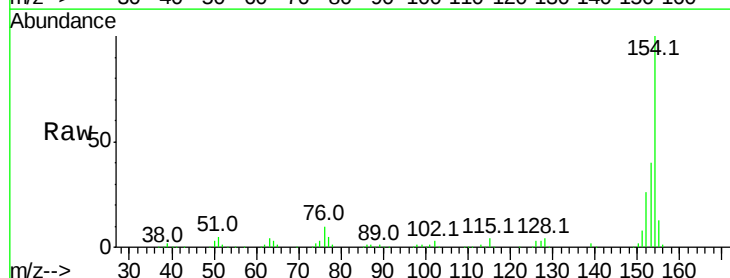
Tgt Ion:154 Resp: 288165

Ion Ratio Lower Upper

154 100

153 40.4 21.3 61.3

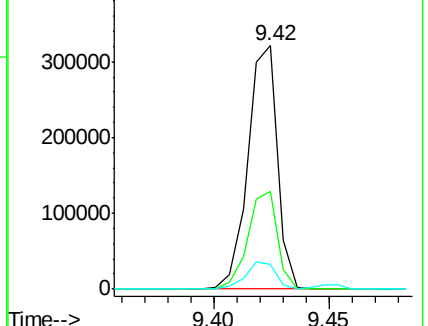
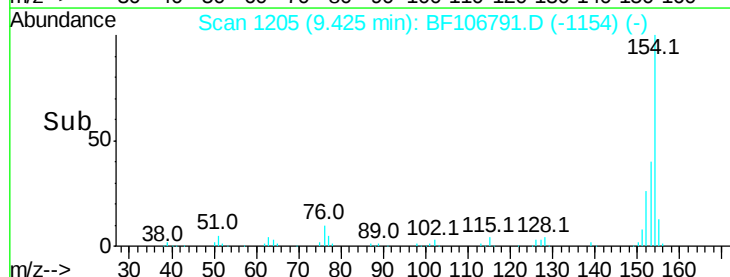
76 10.1 0.0 34.0

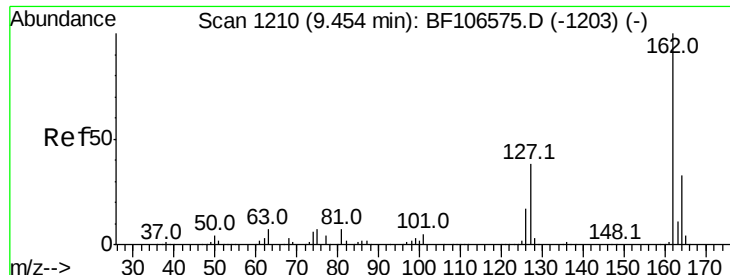


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

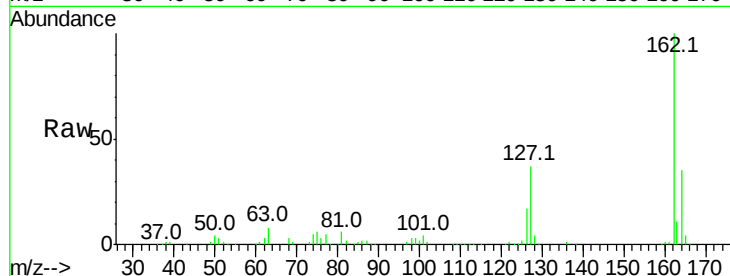




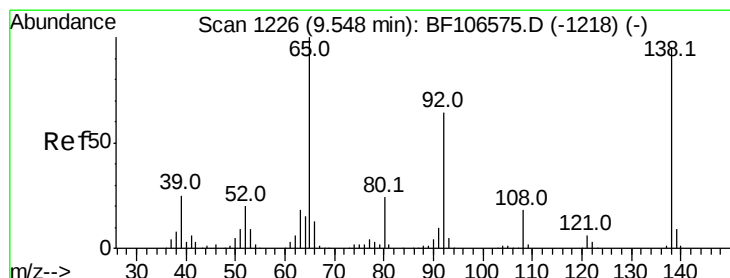
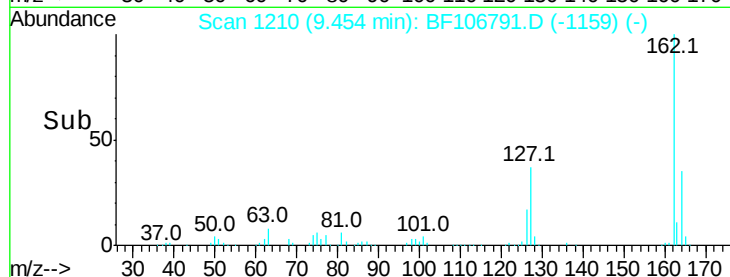
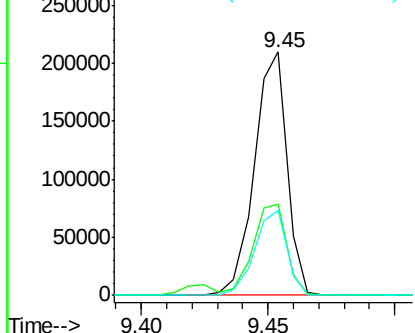
#46  
2-Chloronaphthalene  
Concen: 33.963 ng  
RT: 9.45 min Scan# 1210  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Instrument :  
BNA\_F  
ClientSampled :  
A-1MSD

Tot Ion:162 Resp: 188678  
Ion Ratio Lower Upper  
162 100  
127 37.5 33.9 50.9  
164 34.6 26.5 39.7

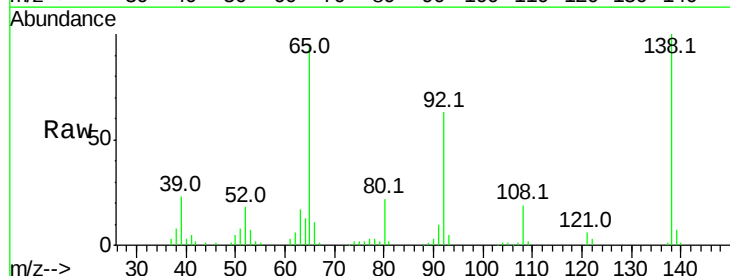


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

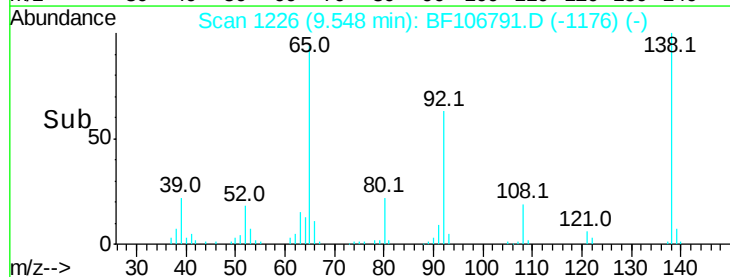
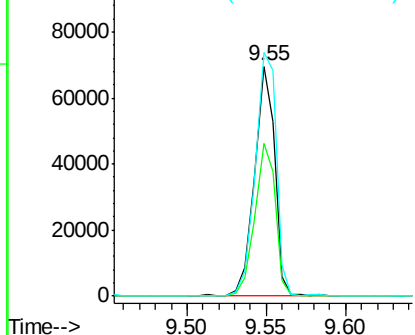


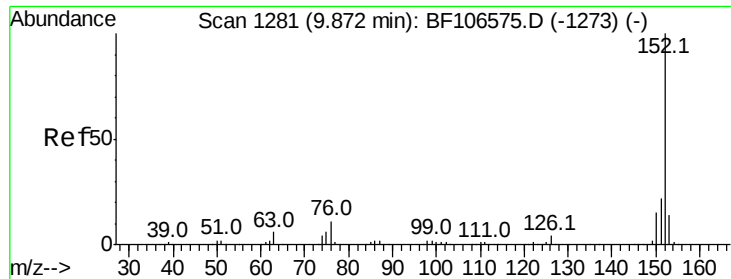
#47  
2-Nitroaniline  
Concen: 32.885 ng  
RT: 9.55 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion: 65 Resp: 61433  
Ion Ratio Lower Upper  
65 100  
92 66.5 55.8 83.6  
138 106.0 91.2 136.8



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





#48

Acenaphthylene

Concen: 33.807 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

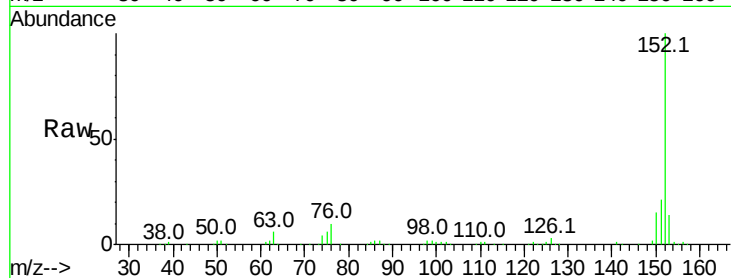
Tot Ion:152 Resp: 296519

Ion Ratio Lower Upper

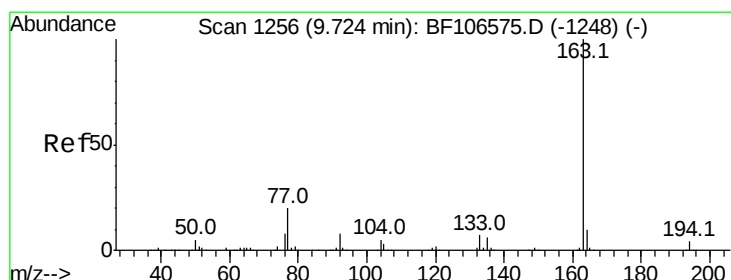
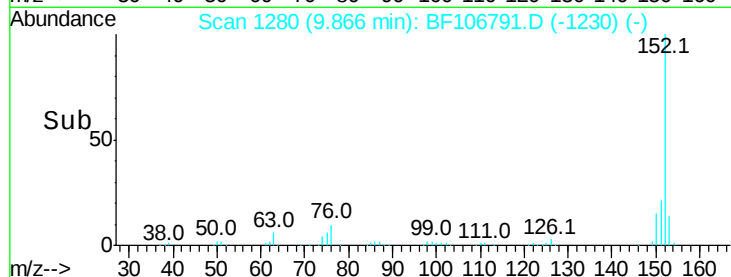
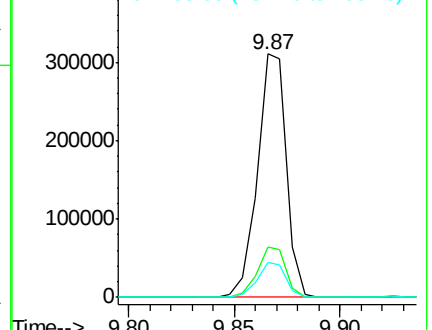
152 100

151 20.7 16.3 24.5

153 14.4 10.7 16.1



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: 41.752 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

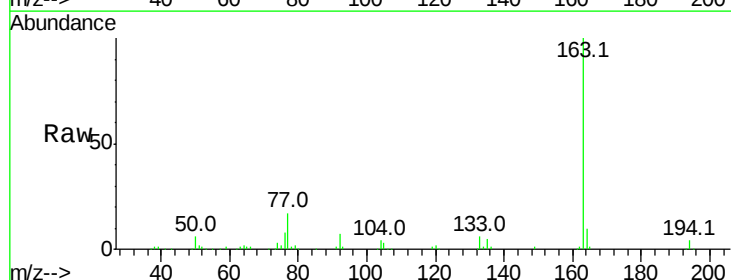
Tgt Ion:163 Resp: 277318

Ion Ratio Lower Upper

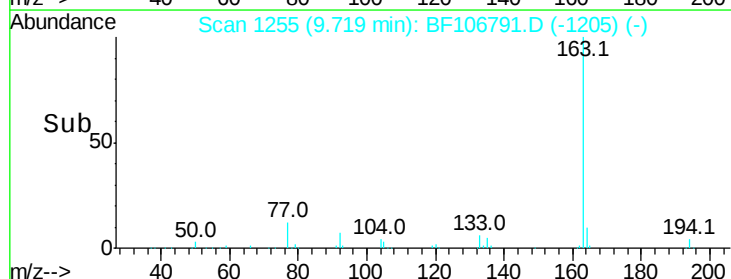
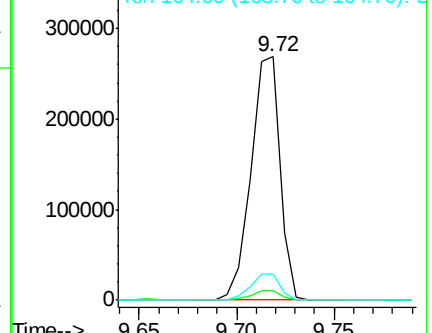
163 100

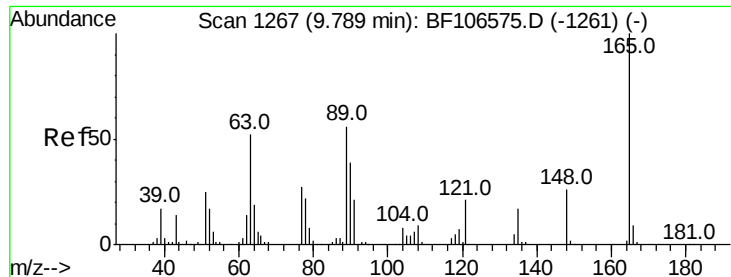
194 4.0 2.7 4.1

164 10.4 8.2 12.2



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

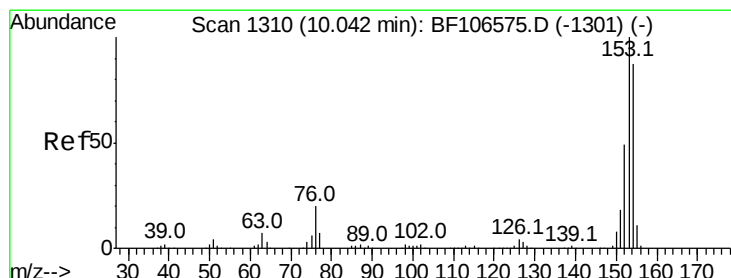
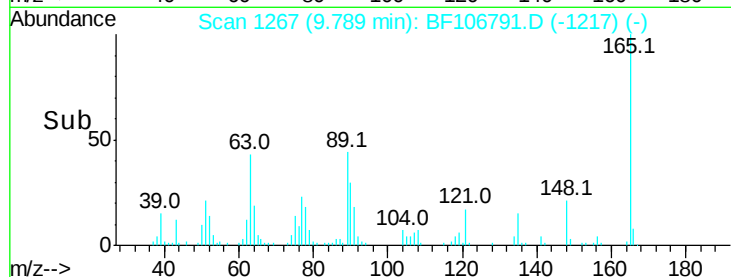
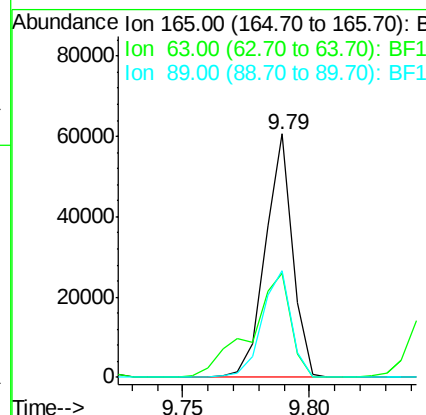
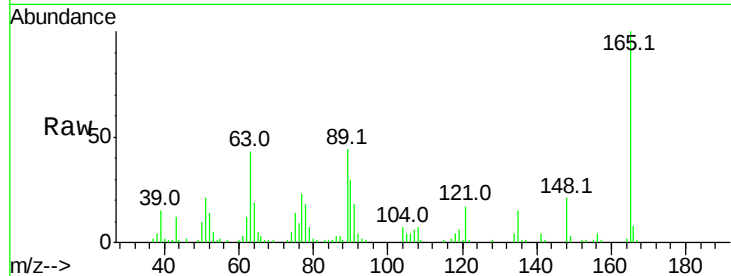




#50  
2,6-Dinitrotoluene  
Concen: 32.060 ng  
RT: 9.79 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

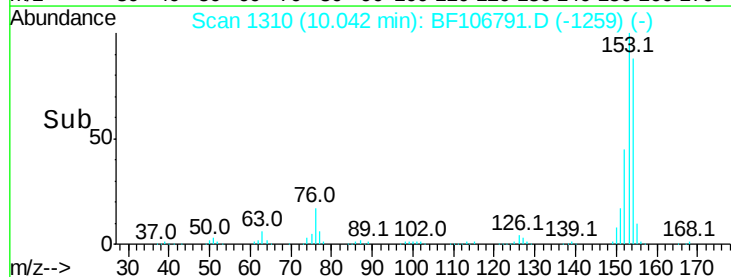
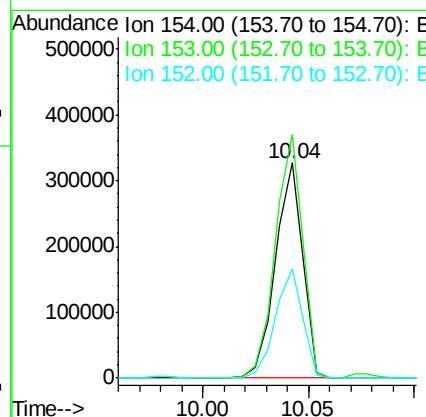
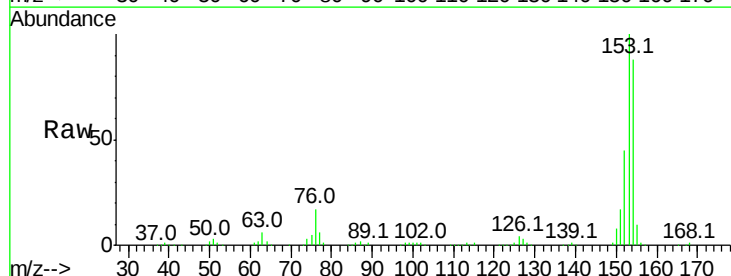
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

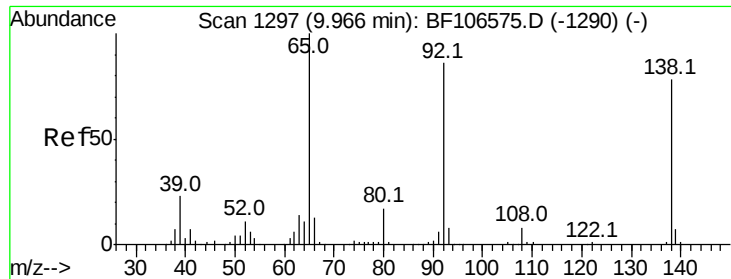
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.7  | 44.7  | 67.1# |
| 89      | 43.9  | 44.0  | 66.0# |



#51  
Acenaphthene  
Concen: 52.950 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.2 | 91.2  | 136.8 |
| 152     | 51.0  | 43.8  | 65.8  |

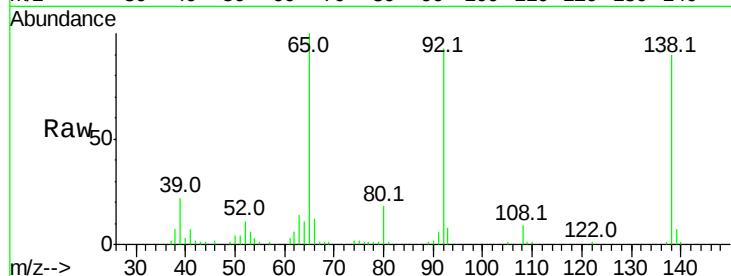




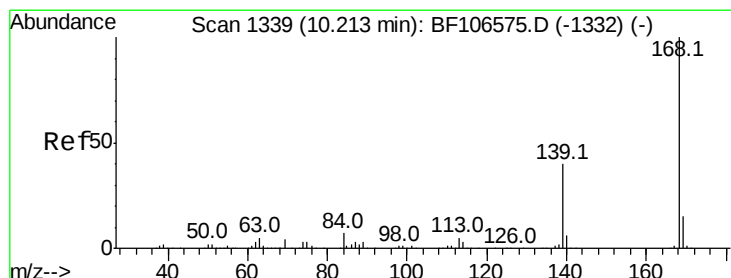
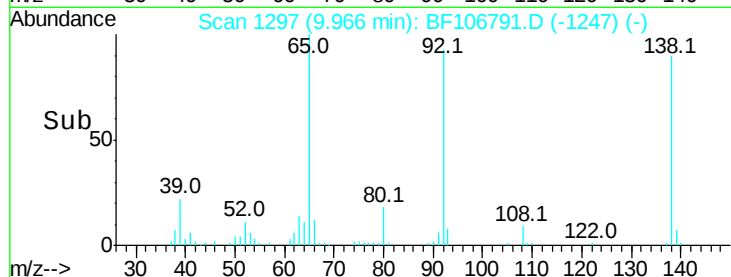
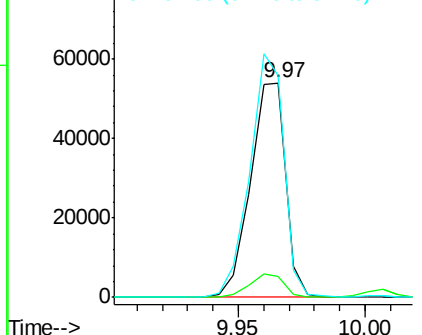
#52  
3-Nitroaniline  
Concen: 32.364 ng  
RT: 9.97 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

Tot Ion:138 Resp: 52380  
Ion Ratio Lower Upper  
138 100  
108 10.0 9.4 14.0  
92 103.3 89.4 134.2

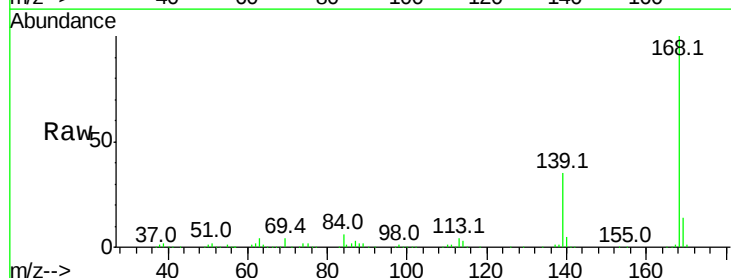


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

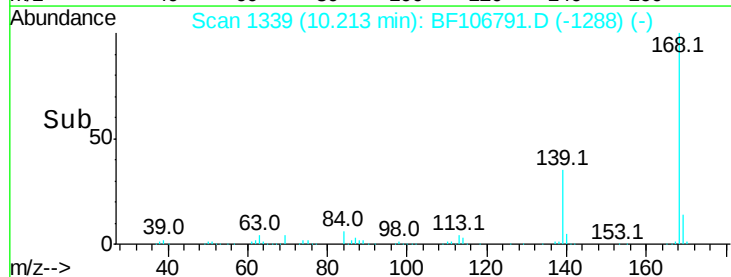
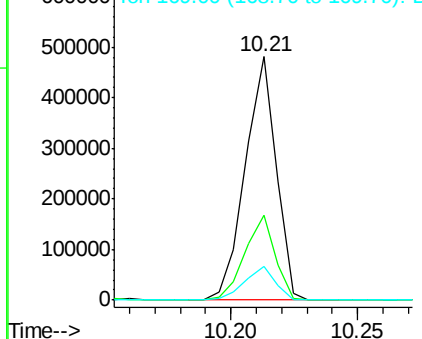


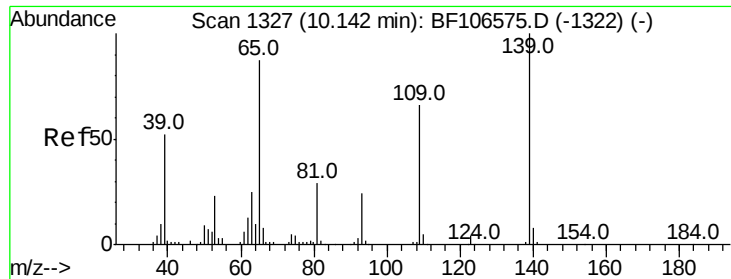
#54  
Dibenzofuran  
Concen: 54.162 ng  
RT: 10.21 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:168 Resp: 409621  
Ion Ratio Lower Upper  
168 100  
139 35.0 30.1 45.1  
169 13.8 10.9 16.3



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

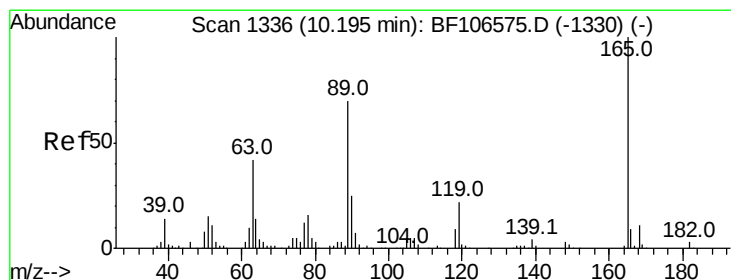
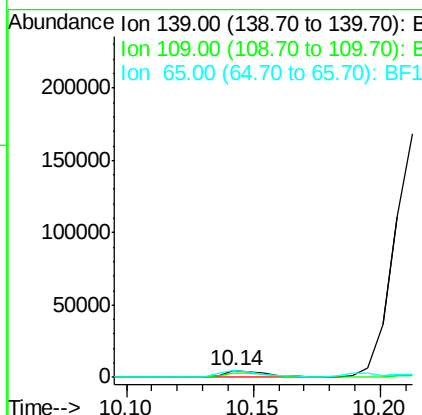
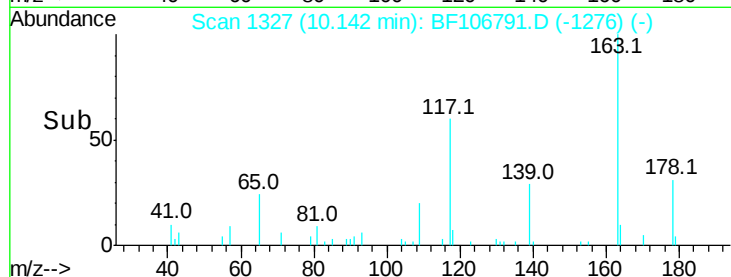
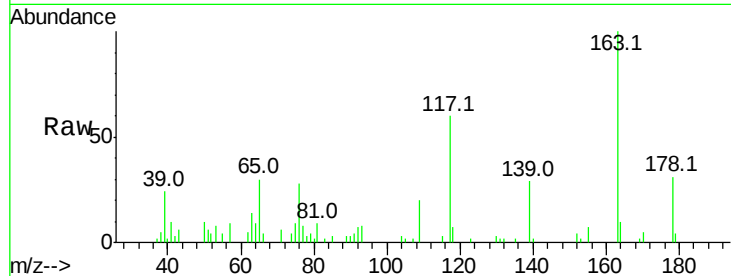




#55  
4-Nitrophenol  
Concen: 4.853 ng  
RT: 10.14 min Scan# 1327  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

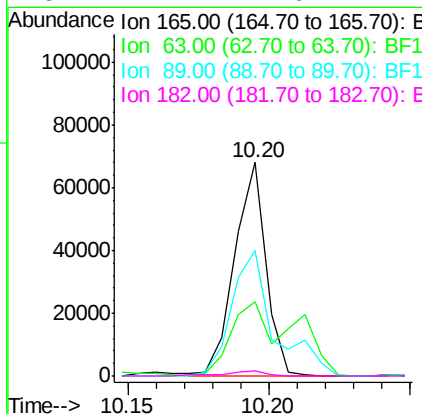
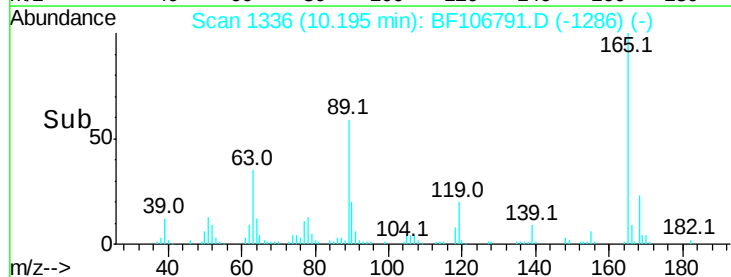
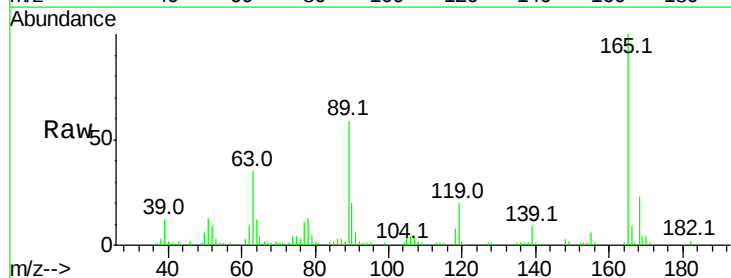
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

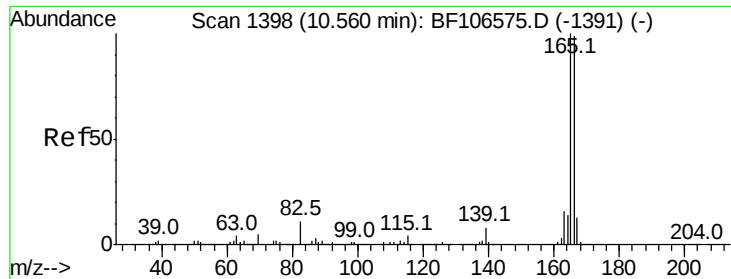
Tot Ion:139 Resp: 5483  
Ion Ratio Lower Upper  
139 100  
109 67.3 48.4 88.4  
65 102.7 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 28.659 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:165 Resp: 52613  
Ion Ratio Lower Upper  
165 100  
63 34.8 36.4 54.6#  
89 59.0 57.8 86.6  
182 2.4 1.6 2.4#





#57

Fluorene

Concen: 53.412 ng

RT: 10.56 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

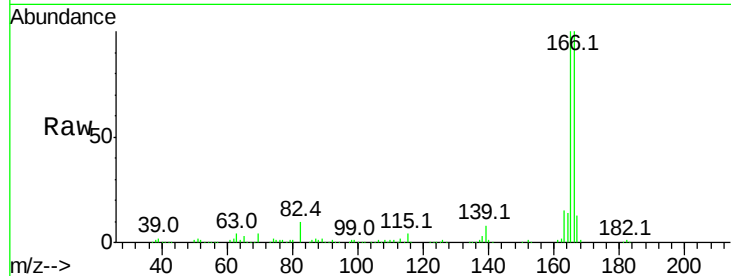
Tot Ion:166 Resp: 320547

Ion Ratio Lower Upper

166 100

165 100.5 79.8 119.8

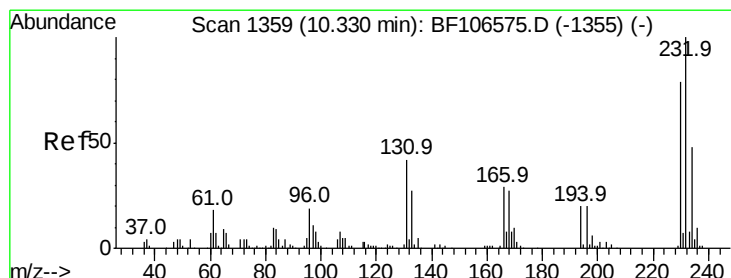
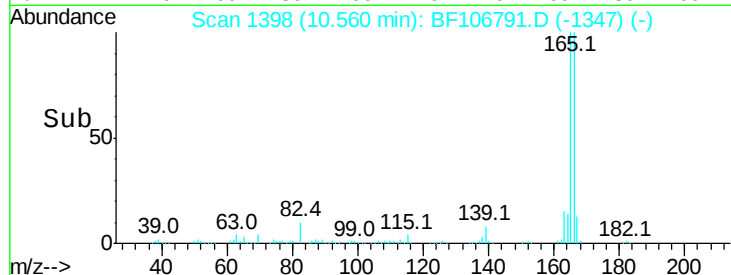
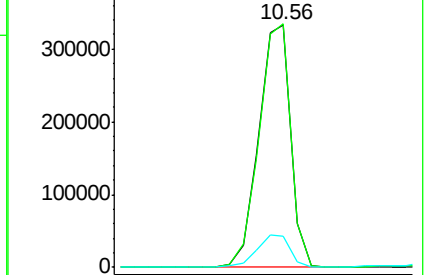
167 13.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.687 ng

RT: 10.33 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Tgt Ion:232 Resp: 7707

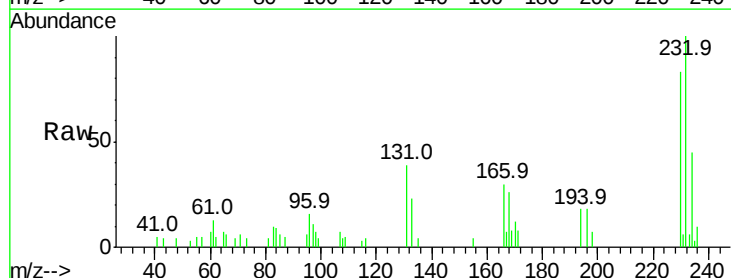
Ion Ratio Lower Upper

232 100

131 37.1 43.8 65.8#

130 0.0 2.1 3.1#

166 0.0 27.8 41.6#

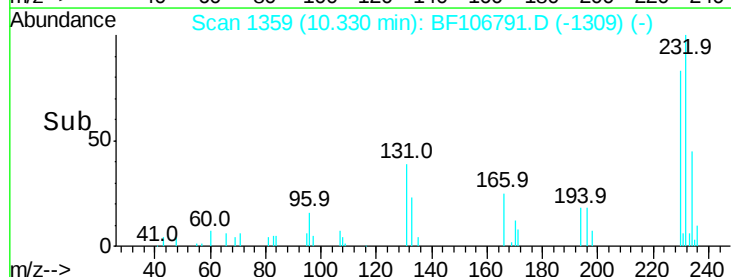
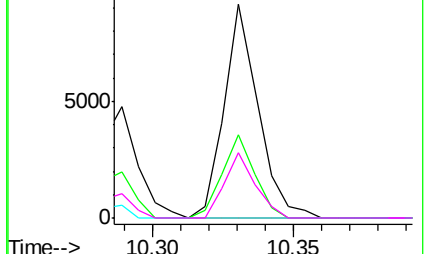


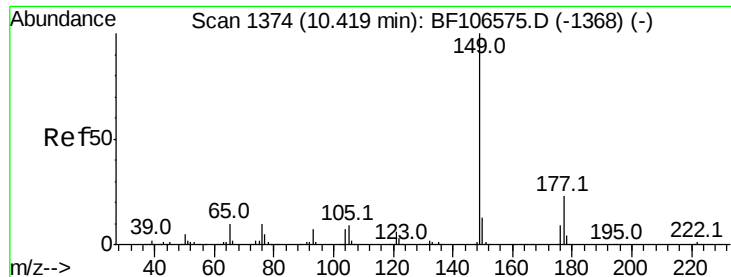
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

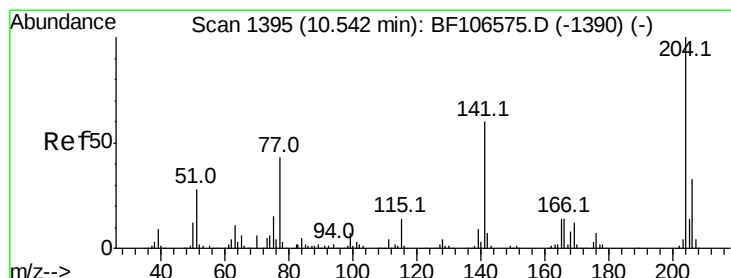
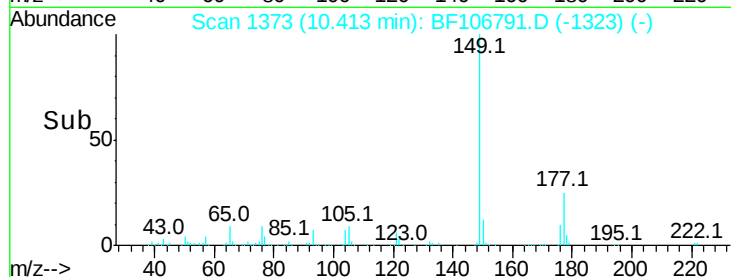
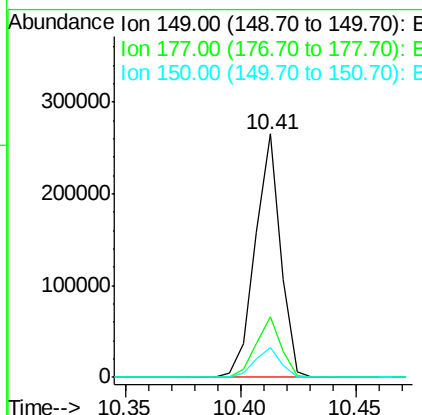
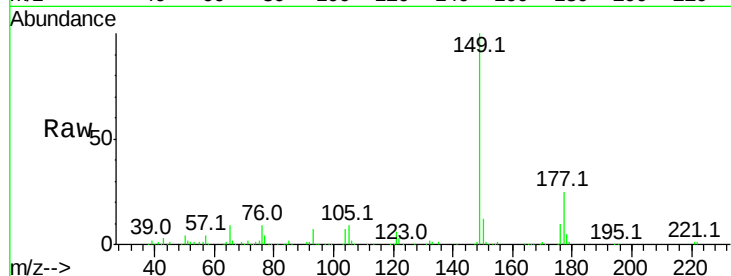




#59  
Diethylphthalate  
Concen: 31.918 ng  
RT: 10.41 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

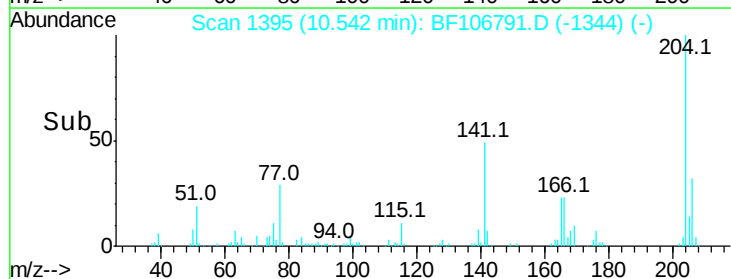
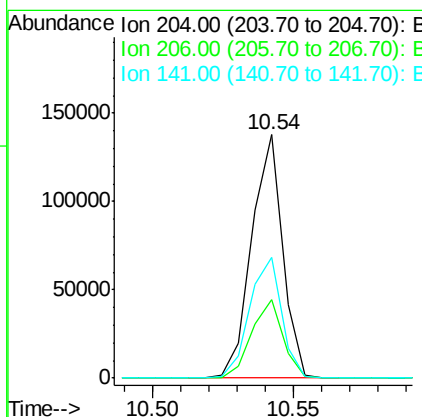
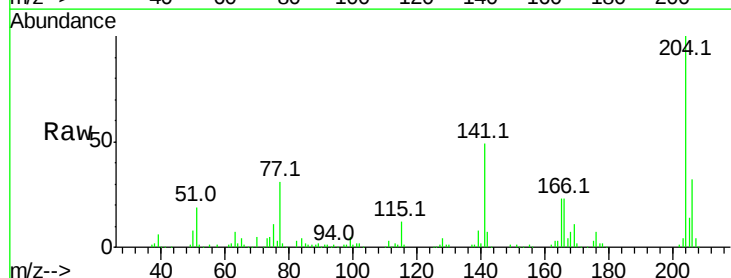
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

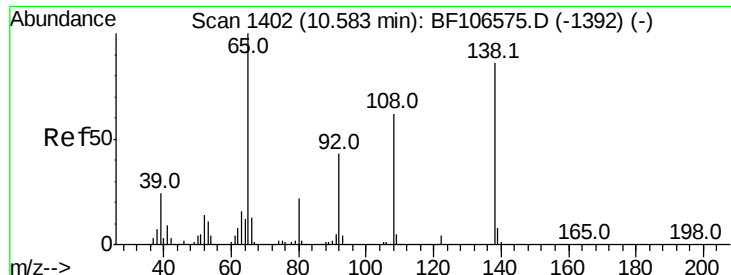
Tot Ion:149 Resp: 204615  
Ion Ratio Lower Upper  
149 100  
177 25.0 16.1 24.1#  
150 12.3 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 33.529 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:204 Resp: 105285  
Ion Ratio Lower Upper  
204 100  
206 32.0 26.5 39.7  
141 49.4 54.6 81.8#

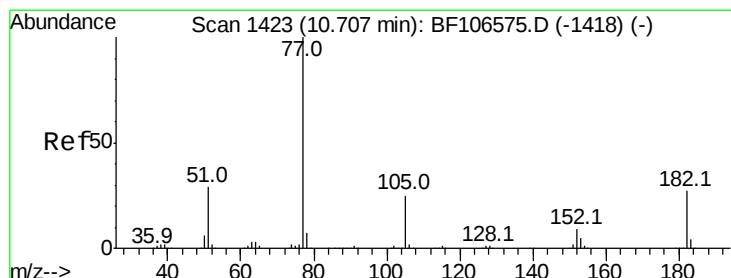
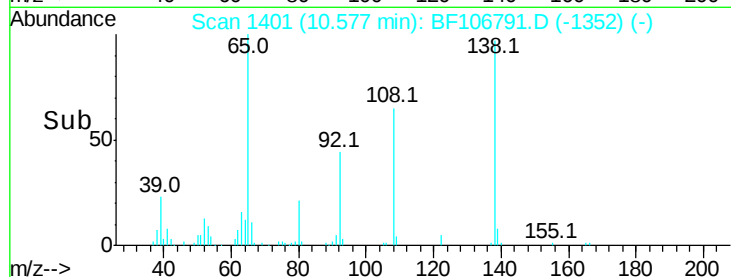
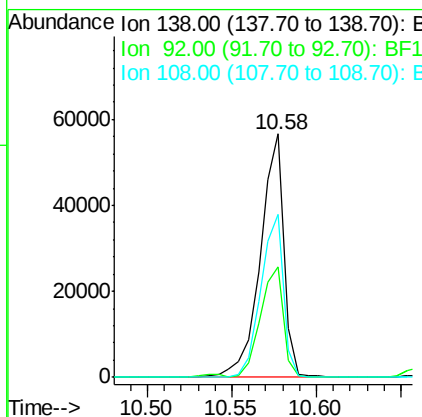
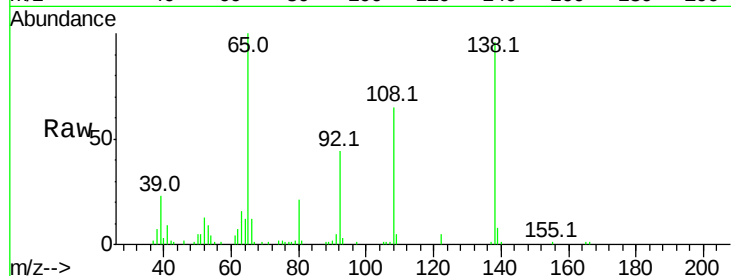




#61  
4-Nitroaniline  
Concen: 34.190 ng  
RT: 10.58 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

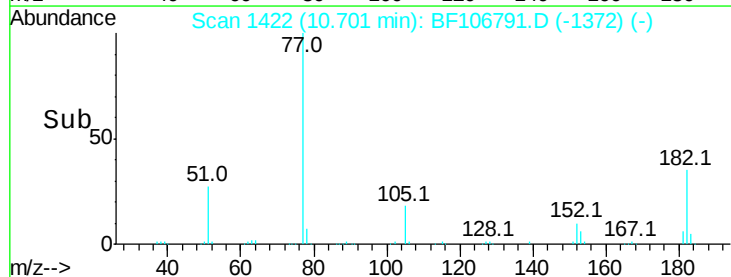
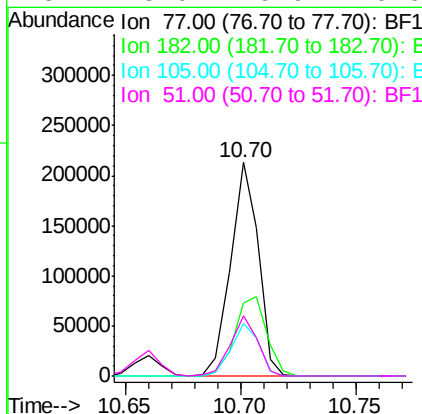
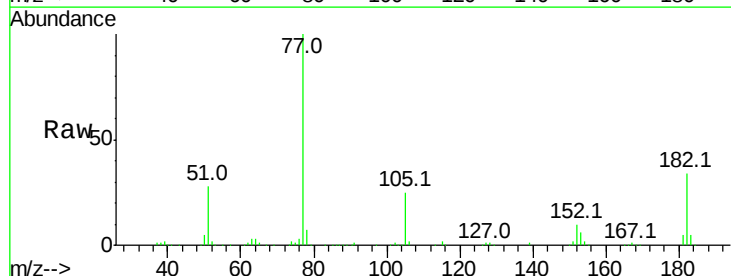
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

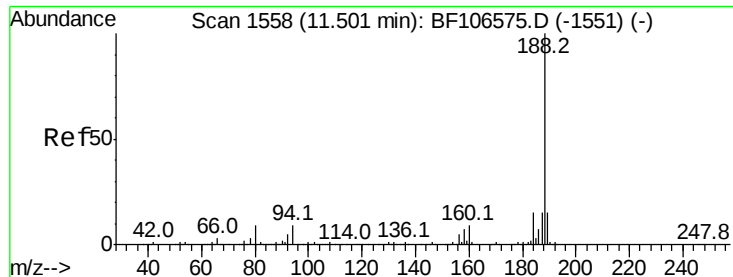
Tot Ion:138 Resp: 54917  
Ion Ratio Lower Upper  
138 100  
92 45.6 30.2 70.2  
108 67.2 52.5 92.5



#62  
Azobenzene  
Concen: 28.168 ng  
RT: 10.70 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion: 77 Resp: 177822  
Ion Ratio Lower Upper  
77 100  
182 33.9 1.7 41.7  
105 24.9 3.0 43.0  
51 28.0 9.9 49.9

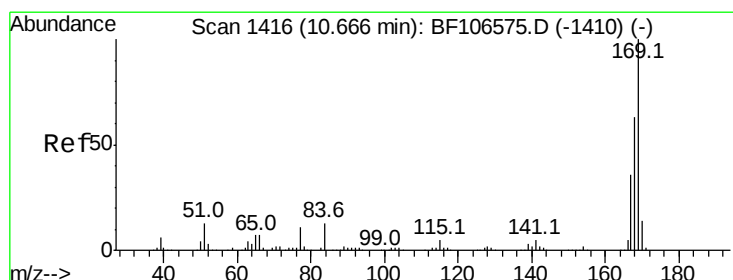
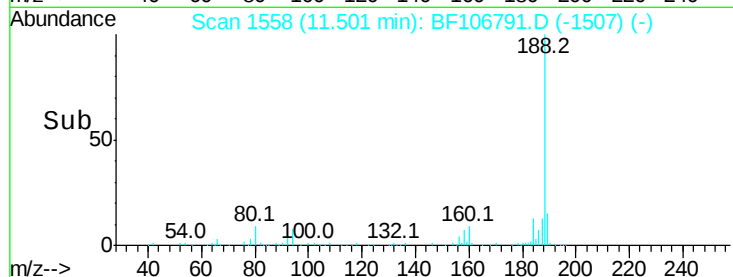
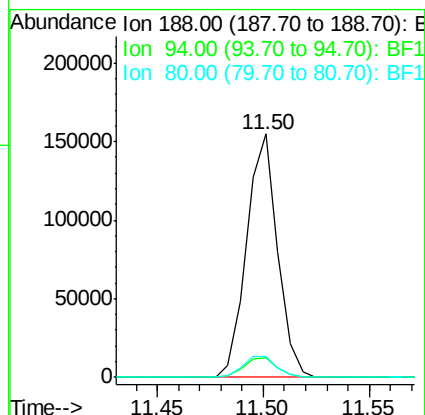
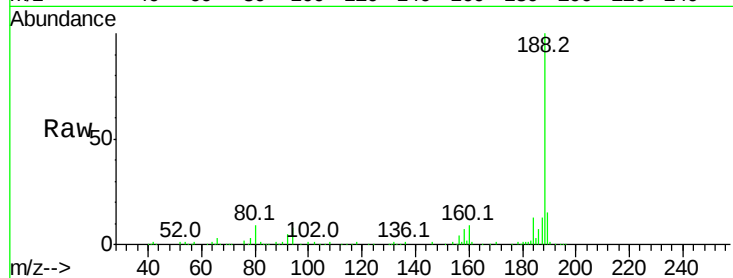




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

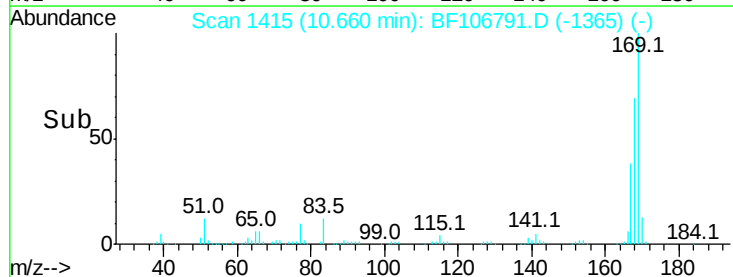
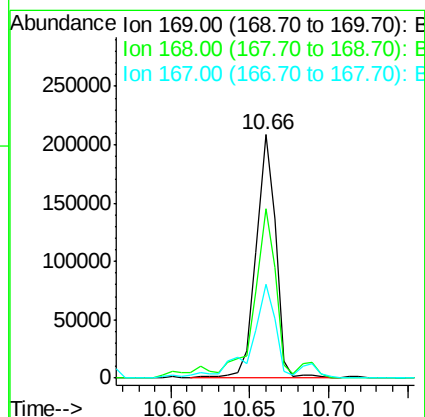
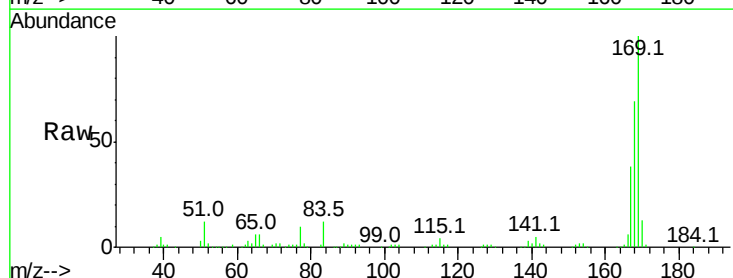
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

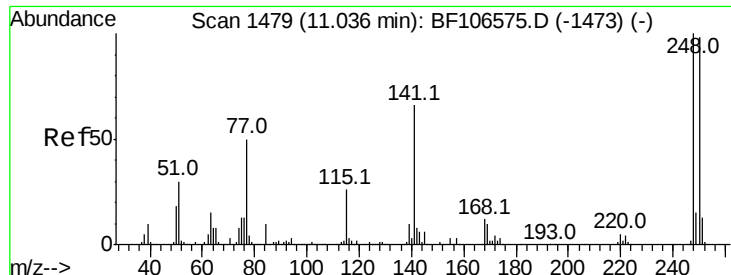
Tot Ion:188 Resp: 157020  
Ion Ratio Lower Upper  
188 100  
94 8.1 8.5 12.7#  
80 8.7 9.2 13.8#



#65  
n-Nitrosodiphenylamine  
Concen: 33.587 ng  
RT: 10.66 min Scan# 1415  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:169 Resp: 177389  
Ion Ratio Lower Upper  
169 100  
168 69.4 54.4 81.6  
167 38.3 29.8 44.6

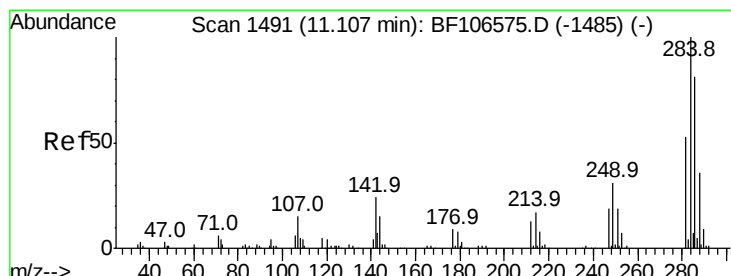
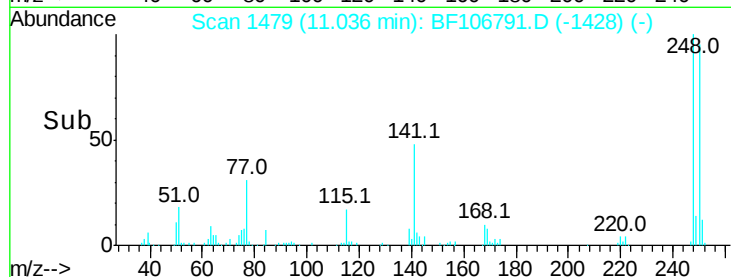
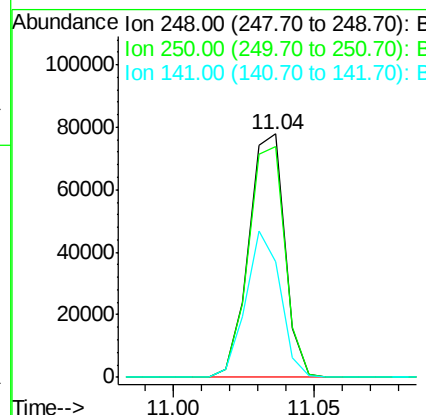
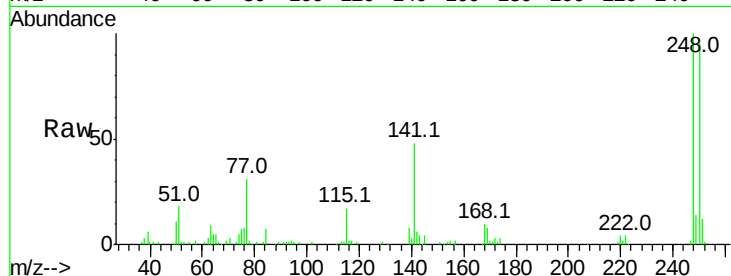




#66  
4-Bromophenyl-phenylether  
Concen: 36.841 ng  
RT: 11.04 min Scan# 1479  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

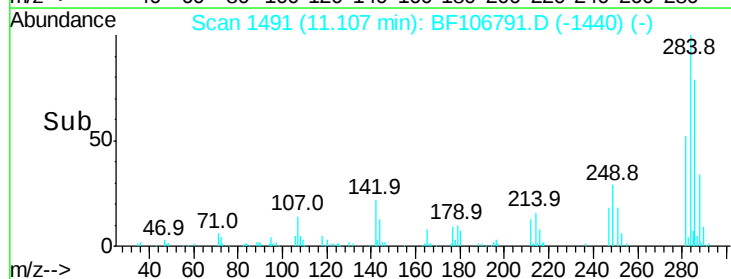
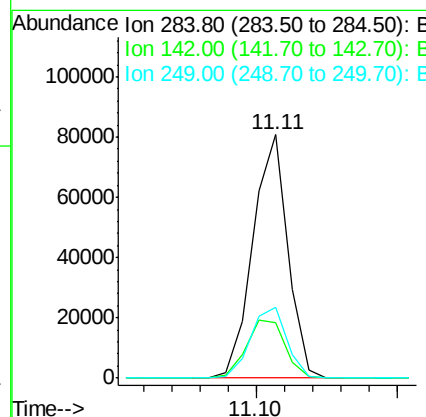
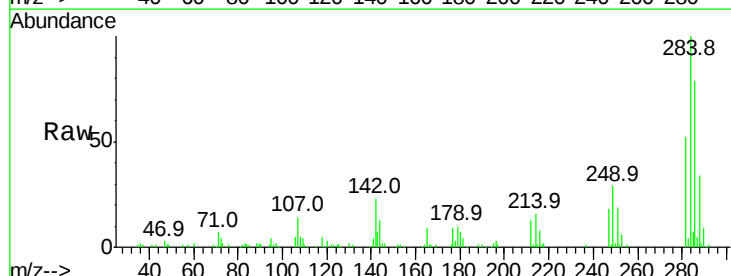
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

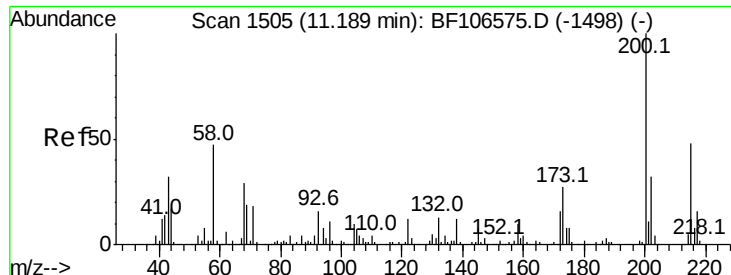
Tot Ion:248 Resp: 69038  
Ion Ratio Lower Upper  
248 100  
250 94.8 76.9 115.3  
141 47.5 74.4 111.6#



#67  
Hexachlorobenzene  
Concen: 35.239 ng  
RT: 11.11 min Scan# 1491  
Delta R.T. 0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:284 Resp: 69115  
Ion Ratio Lower Upper  
284 100  
142 23.0 34.6 52.0#  
249 29.3 24.8 37.2

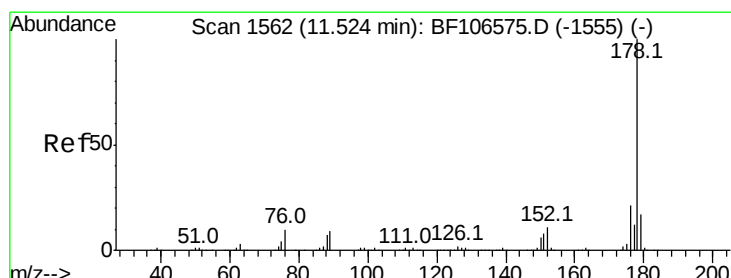
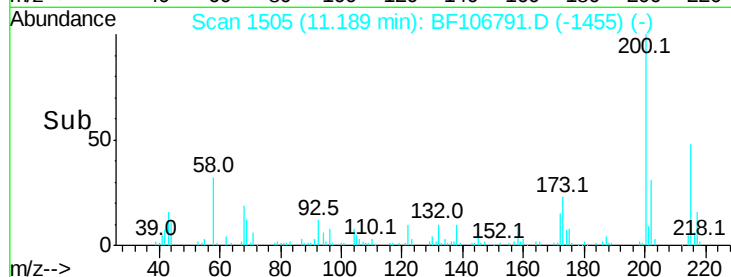
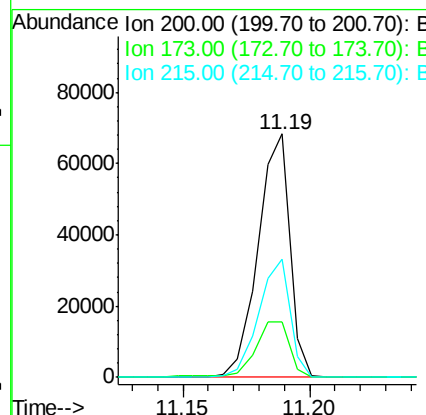
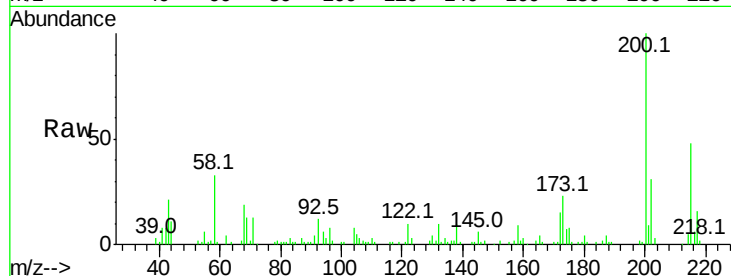




#68  
Atrazine  
Concen: 35.624 ng  
RT: 11.19 min Scan# 1505  
Delta R.T. -0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

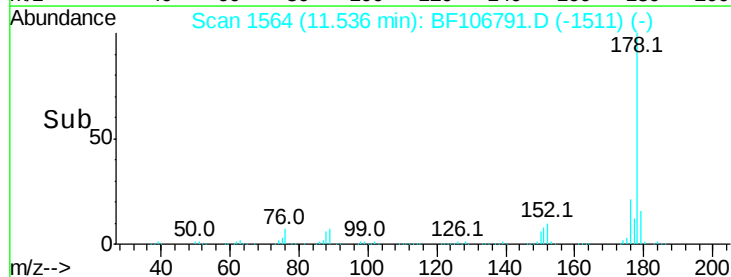
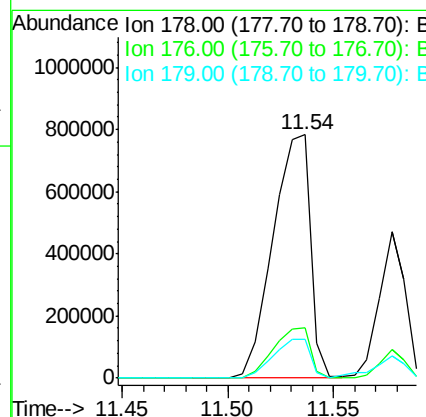
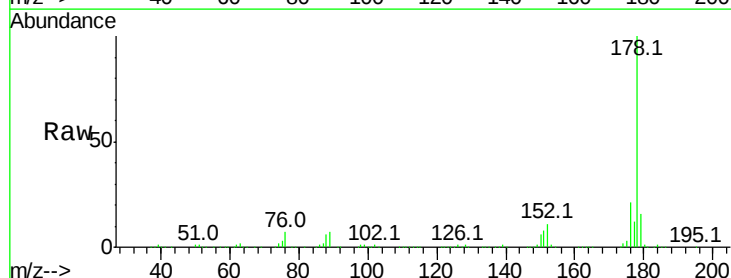
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

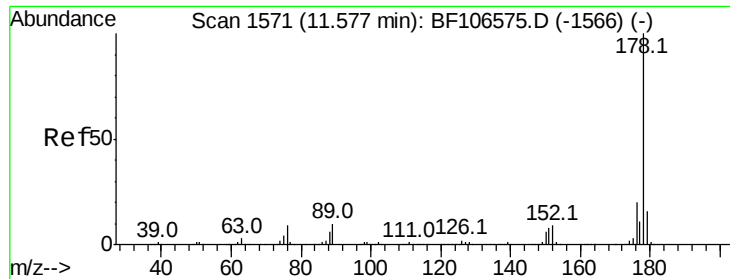
Tot Ion:200 Resp: 59812  
Ion Ratio Lower Upper  
200 100  
173 22.9 8.6 48.6  
215 48.5 25.1 65.1



#70  
Phenanthrene  
Concen: 128.126 ng  
RT: 11.54 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:178 Resp: 970347  
Ion Ratio Lower Upper  
178 100  
176 20.7 15.8 23.8  
179 15.8 13.0 19.6





#71

Anthracene

Concen: 52.659 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

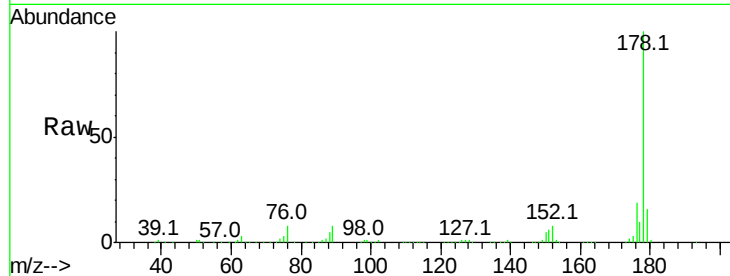
Tot Ion:178 Resp: 407067

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

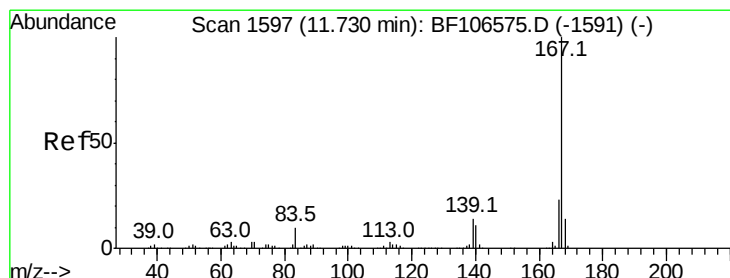
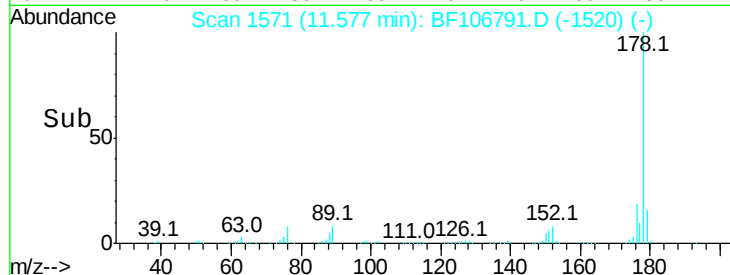
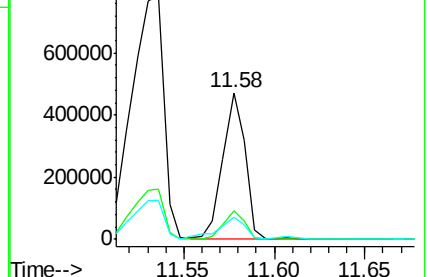
179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.742 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

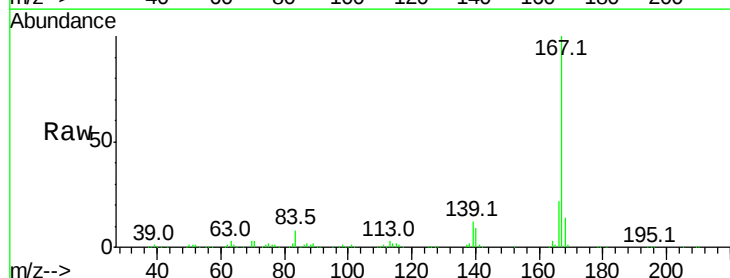
Tgt Ion:167 Resp: 294862

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

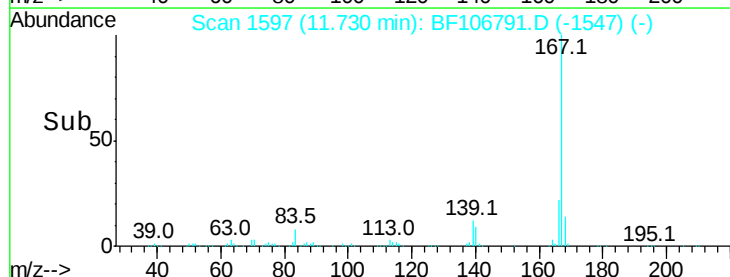
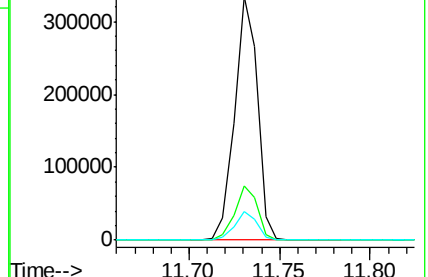
139 11.9 10.9 16.3

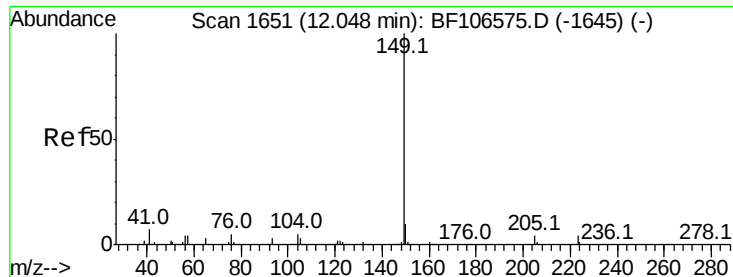


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

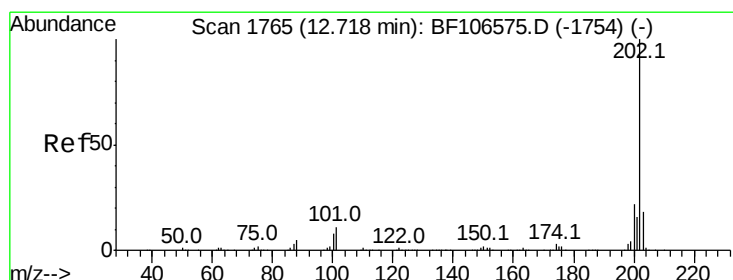
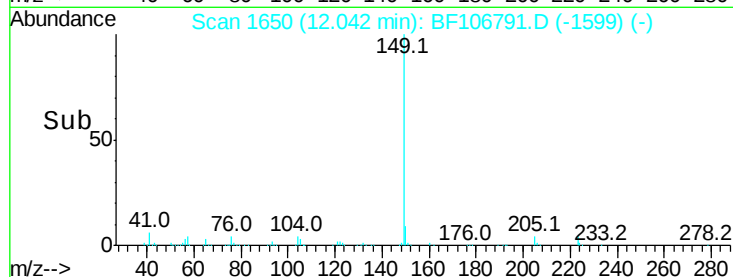
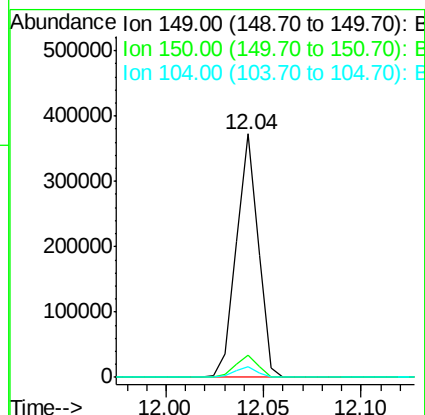
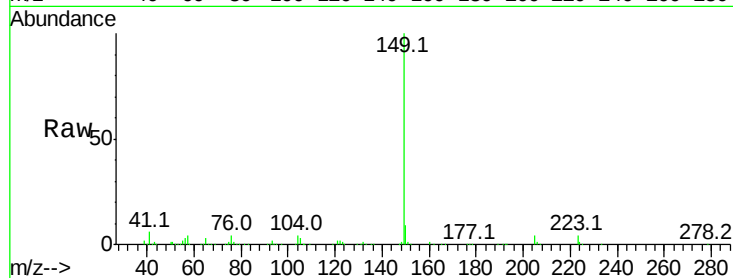




#73  
Di-n-butylphthalate  
Concen: 34.069 ng  
RT: 12.04 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

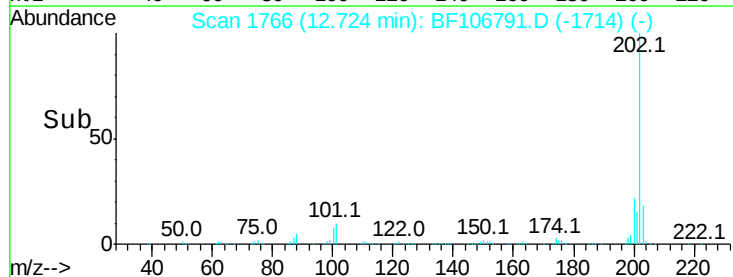
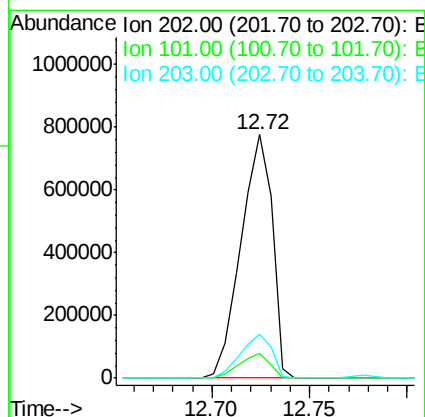
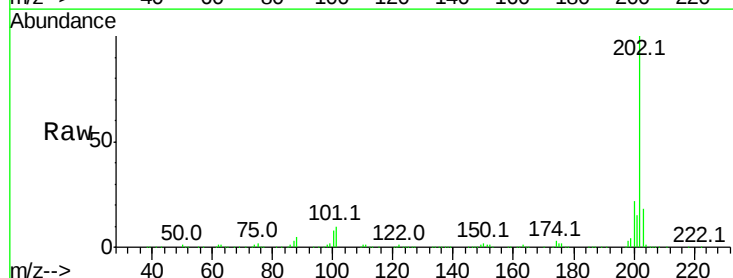
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

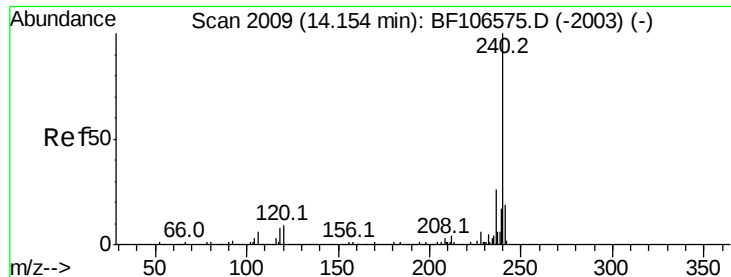
Tot Ion:149 Resp: 290484  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.8 11.6  
104 4.4 3.8 5.8



#74  
Fluoranthene  
Concen: 103.788 ng  
RT: 12.72 min Scan# 1766  
Delta R.T. 0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:202 Resp: 866360  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 34.1  
203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

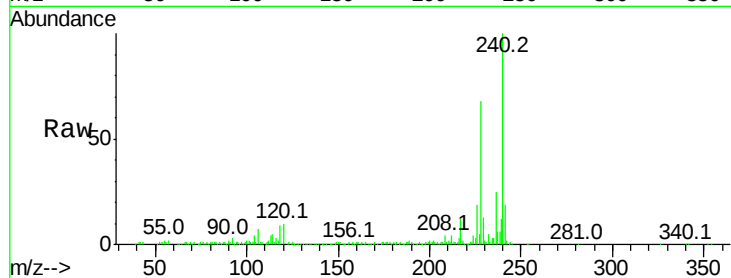
Tot Ion:240 Resp: 134494

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

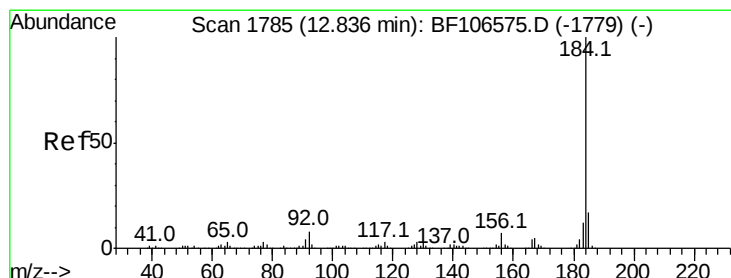
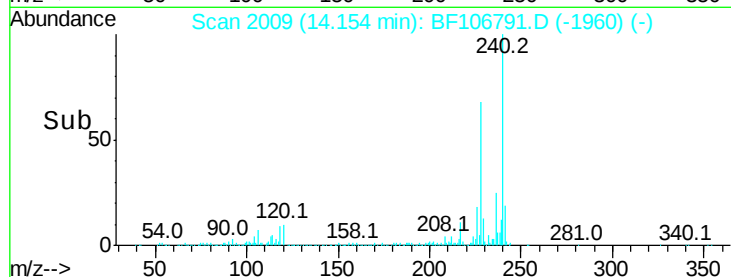
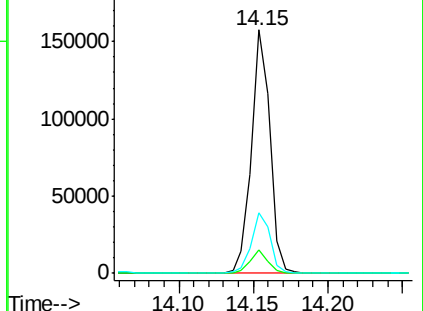
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 41.221 ng

RT: 12.84 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

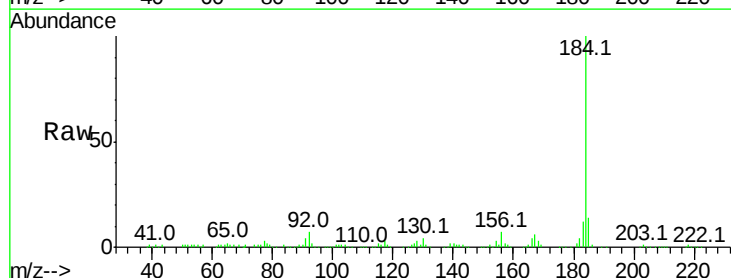
Tgt Ion:184 Resp: 157892

Ion Ratio Lower Upper

184 100

185 13.9 12.6 18.8

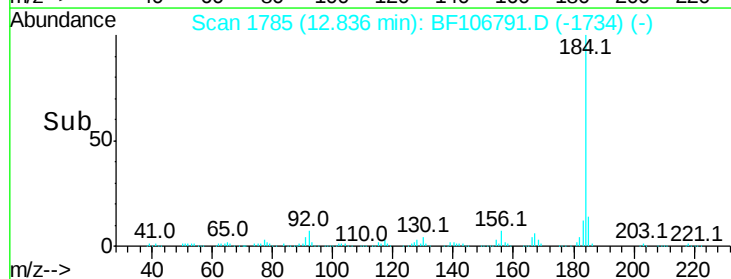
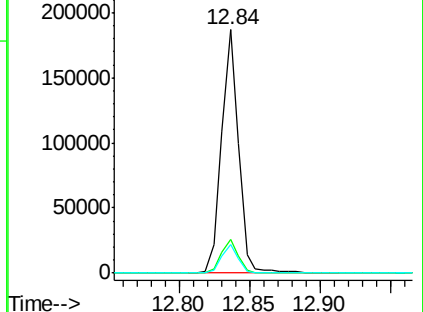
183 11.7 9.3 13.9

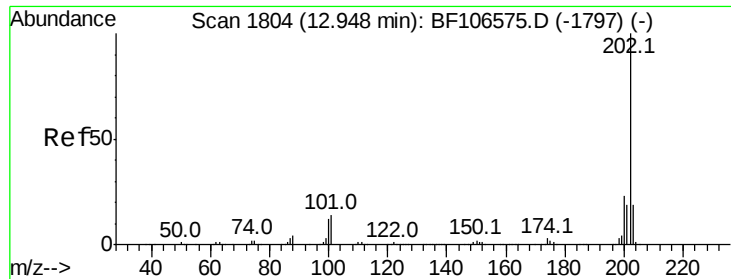


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

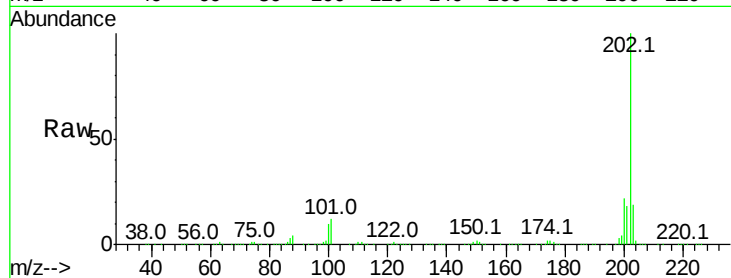




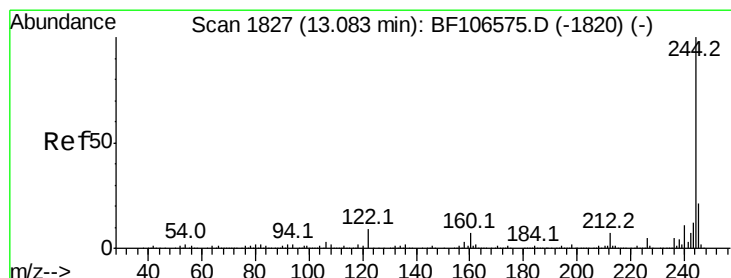
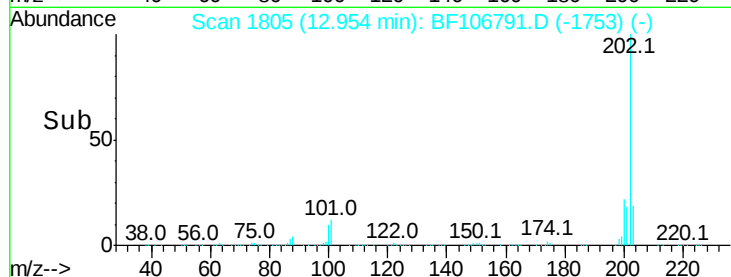
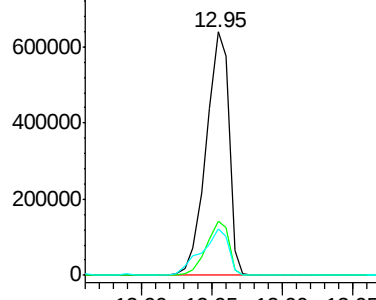
#77  
Pvrene  
Concen: 81.206 ng  
RT: 12.95 min Scan# 1805  
Delta R.T. 0.01 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

Tot Ion:202 Resp: 720212  
Ion Ratio Lower Upper  
202 100  
200 22.4 17.4 26.2  
203 18.8 14.3 21.5

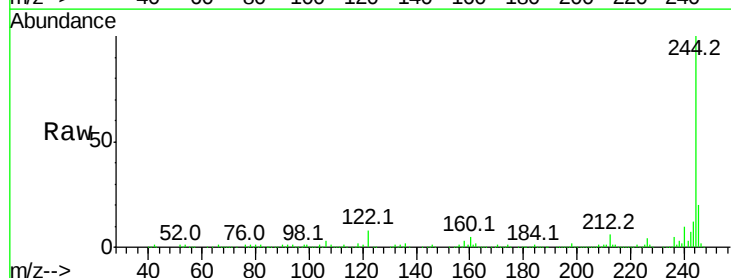


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

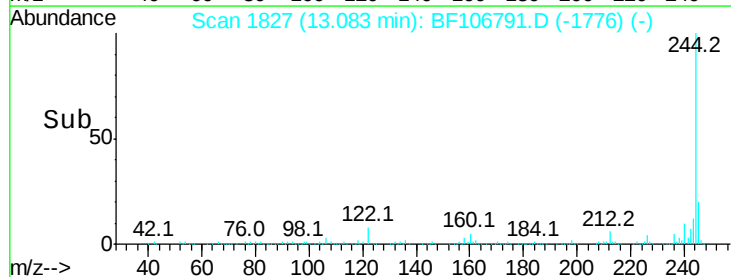
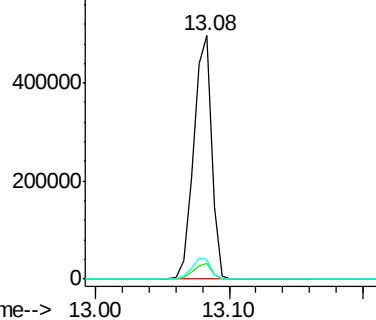


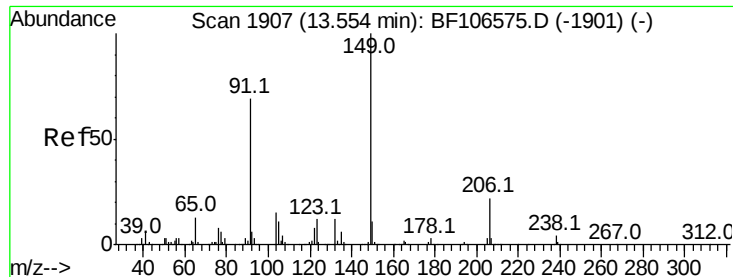
#78  
Terphenyl-d14  
Concen: 85.032 ng  
RT: 13.08 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:244 Resp: 472127  
Ion Ratio Lower Upper  
244 100  
212 6.2 5.4 8.0  
122 8.0 11.0 16.4#



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: 33.069 ng

RT: 13.55 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

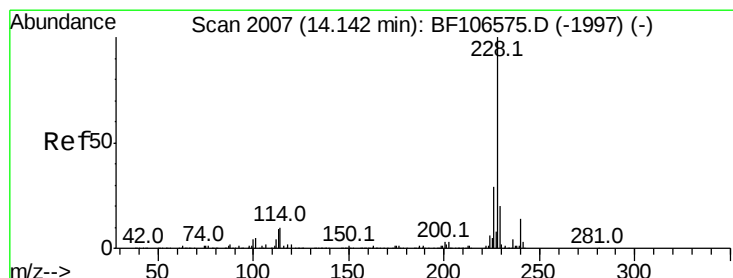
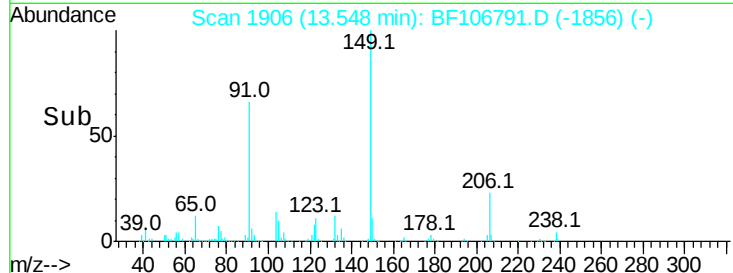
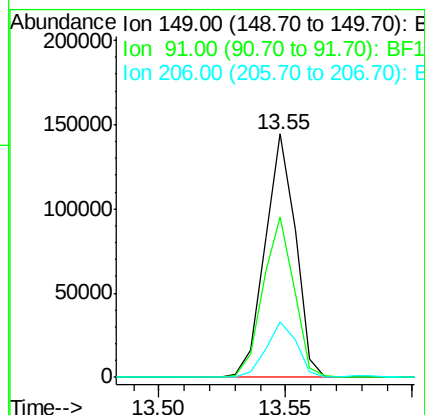
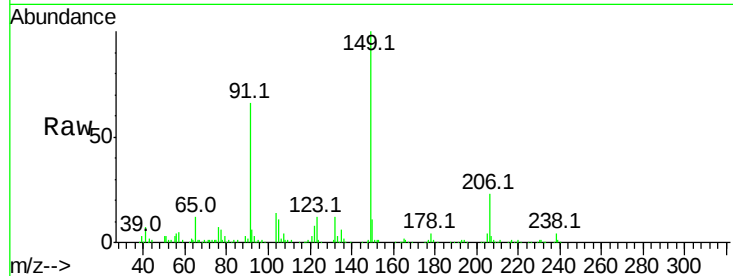
Tot Ion:149 Resp: 120586

Ion Ratio Lower Upper

149 100

91 65.7 56.8 85.2

206 22.7 14.1 21.1#



#80

Benzo(a)anthracene

Concen: 48.714 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

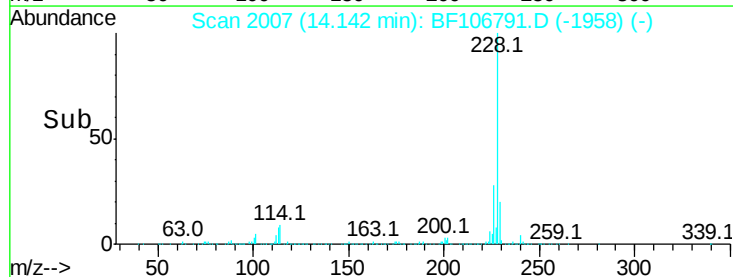
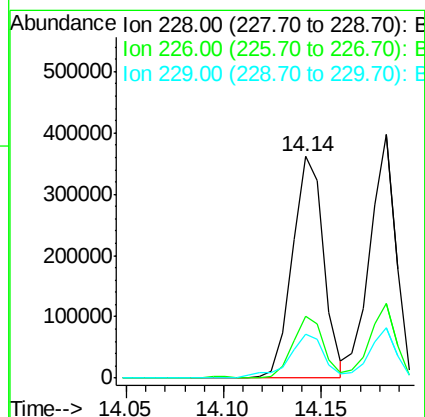
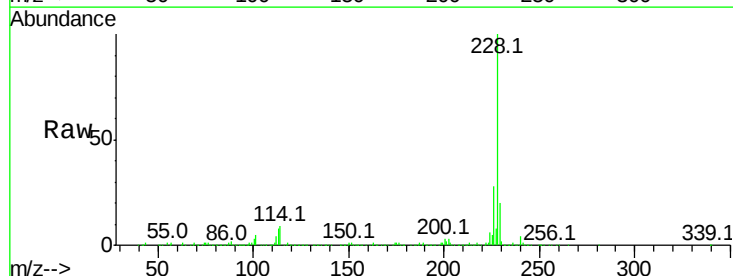
Tgt Ion:228 Resp: 399313

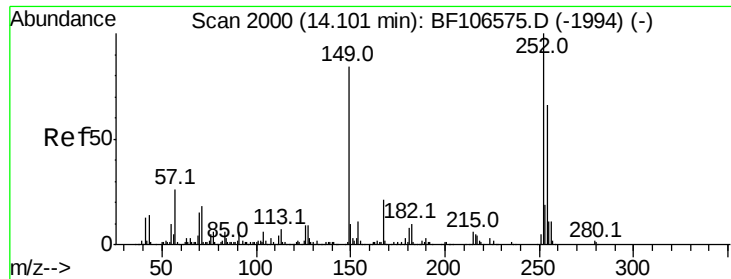
Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

229 20.1 15.8 23.6

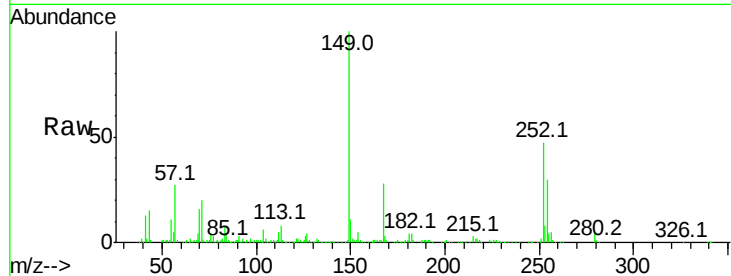




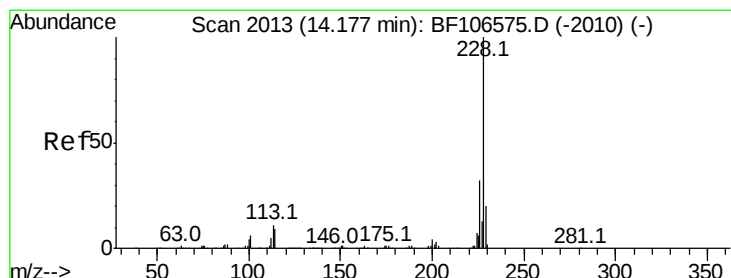
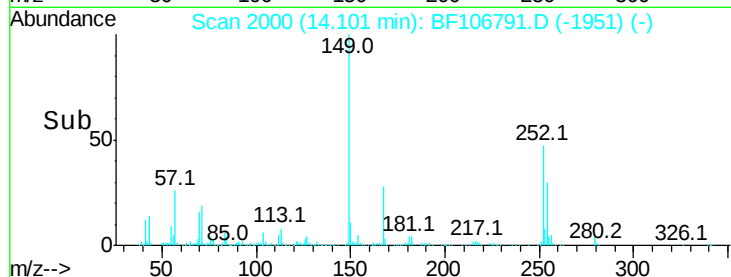
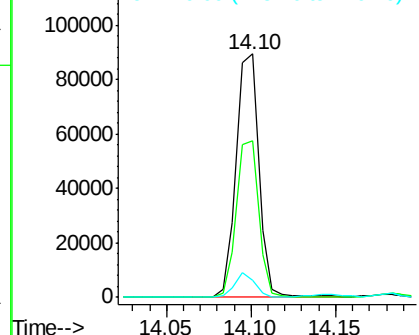
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.124 ng  
 RT: 14.10 min Scan# 2000  
 Delta R.T. -0.01 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

Tot Ion:252 Resp: 83904  
 Ion Ratio Lower Upper  
 252 100  
 254 64.4 50.4 75.6  
 126 7.0 11.3 16.9#

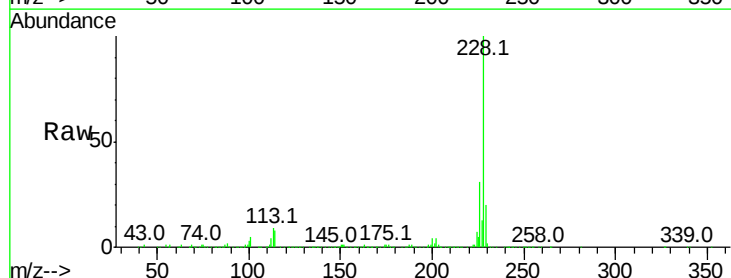


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

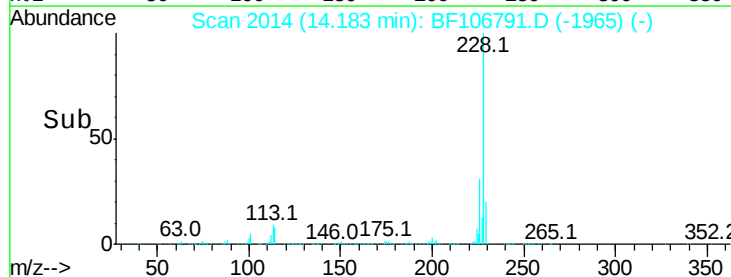
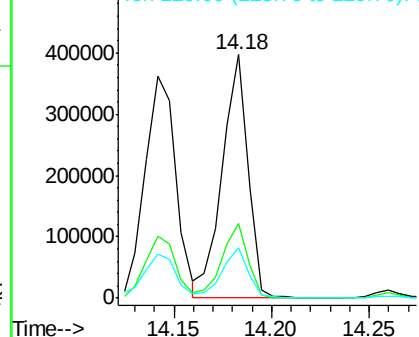


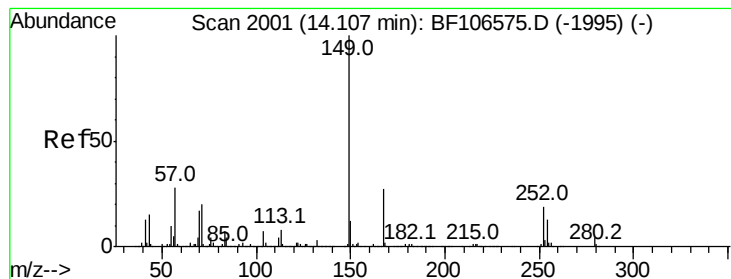
#82  
 Chrysene  
 Concen: 48.273 ng  
 RT: 14.18 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion:228 Resp: 364036  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 25.0 37.6  
 229 20.5 16.2 24.4



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: 35.427 ng

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

A-1MSD

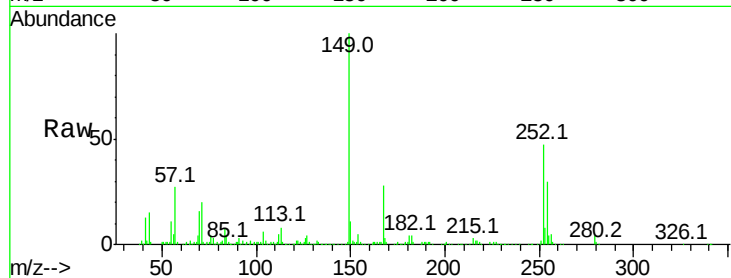
Tot Ion:149 Resp: 165157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.8  | 21.3  | 31.9  |
| 279 | 4.4   | 3.0   | 4.4   |

149 100

167 27.8 21.3 31.9

279 4.4 3.0 4.4

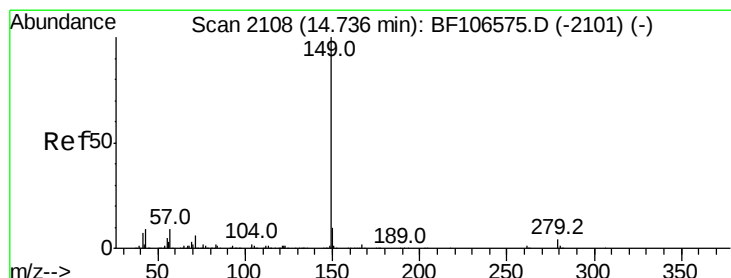
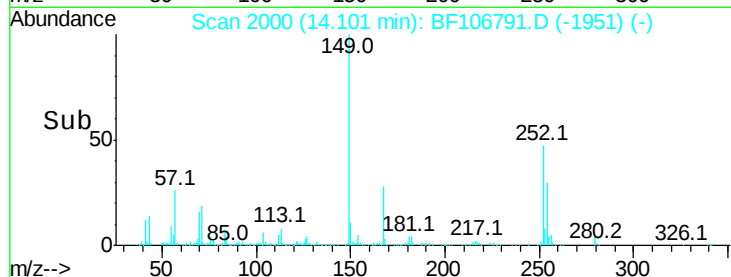
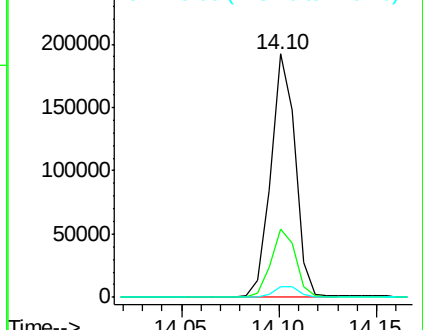


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 37.421 ng

RT: 14.73 min Scan# 2107

Delta R.T. -0.04 min

Lab File: BF106791.D

Acq: 26 Jun 2018 00:06

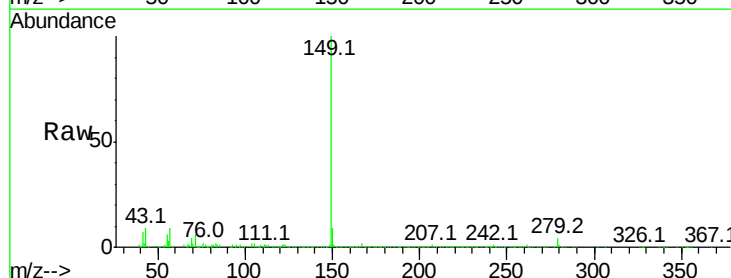
Tgt Ion:149 Resp: 284367

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.7   | 1.2   | 1.8   |
| 43  | 8.1   | 8.4   | 12.6# |

149 100

167 1.7 1.2 1.8

43 8.1 8.4 12.6#

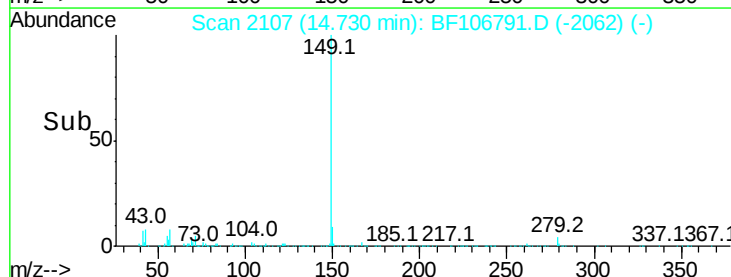
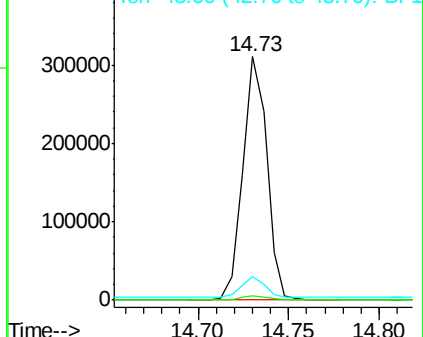


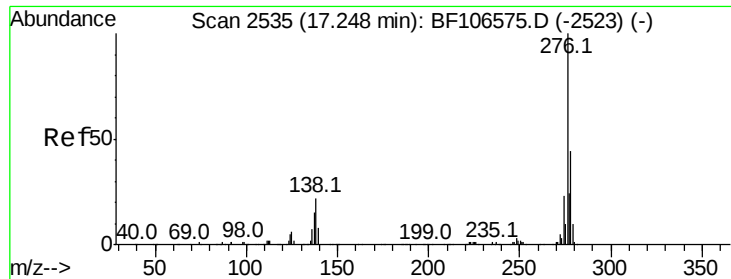
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

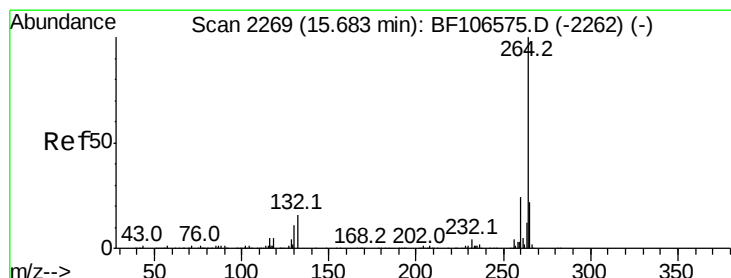
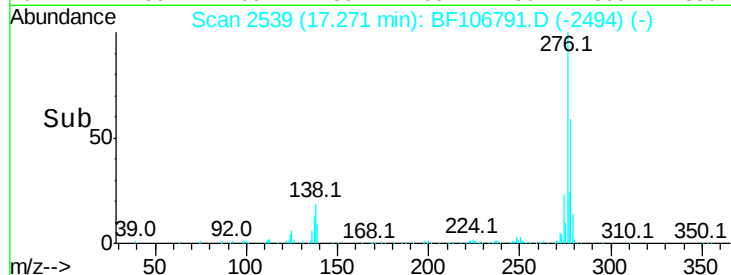
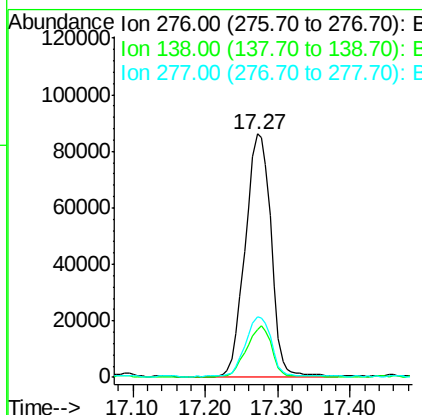
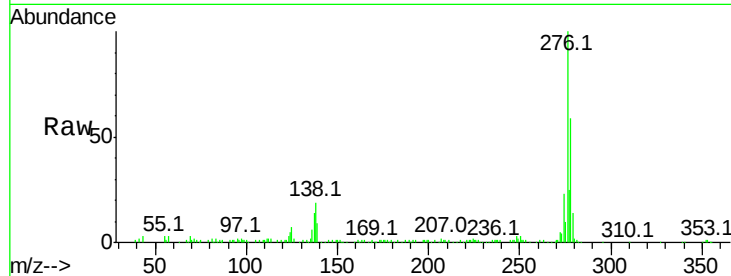




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 33.576 ng  
 RT: 17.27 min Scan# 2539  
 Delta R.T. -0.04 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

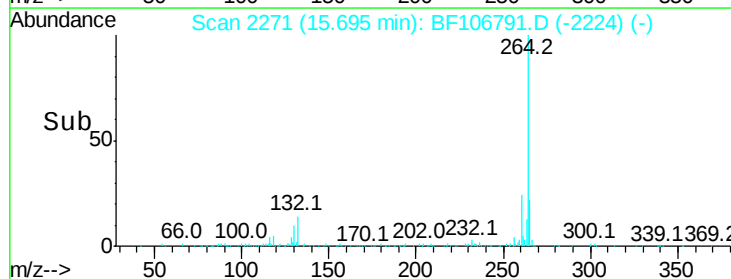
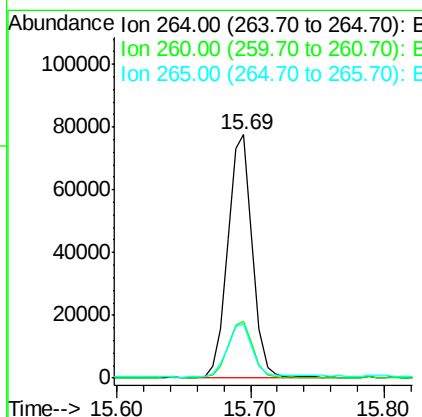
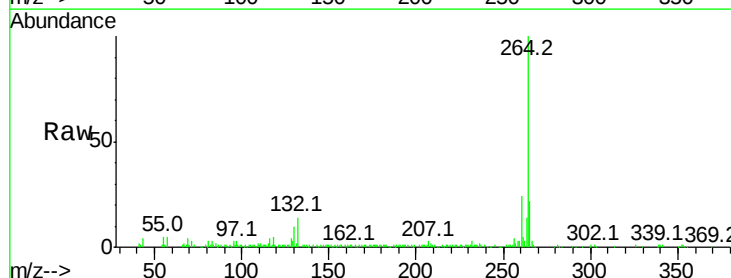
Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

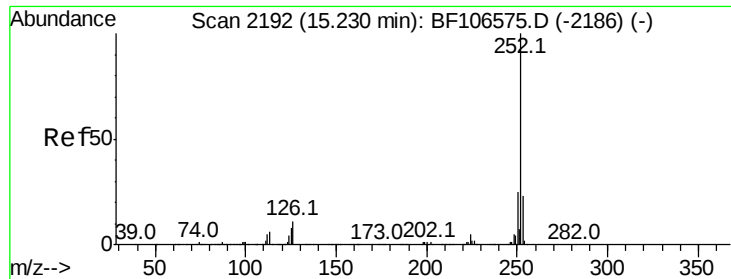
Tot Ion:276 Resp: 214878  
 Ion Ratio Lower Upper  
 276 100  
 138 20.9 25.0 37.6#  
 277 24.0 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2271  
 Delta R.T. -0.02 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Tgt Ion:264 Resp: 100595  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 22.4 17.5 26.3

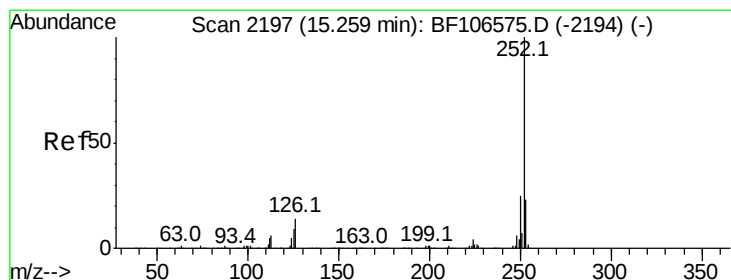
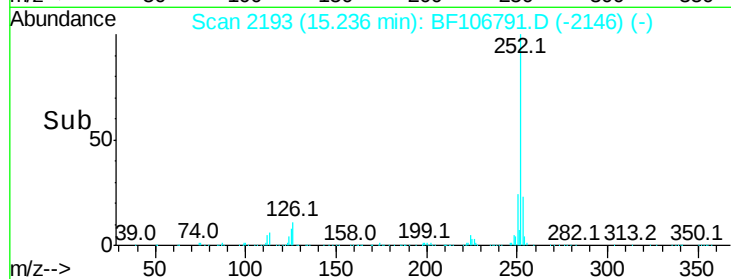
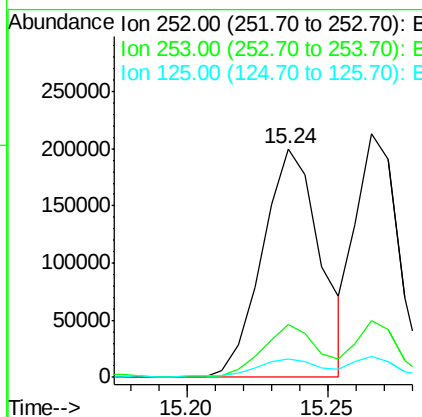
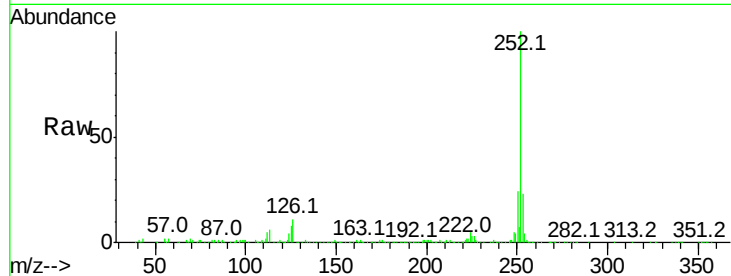




#87  
Benzo(b)fluoranthene  
Concen: 45.585 ng  
RT: 15.24 min Scan# 2193  
Delta R.T. -0.02 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

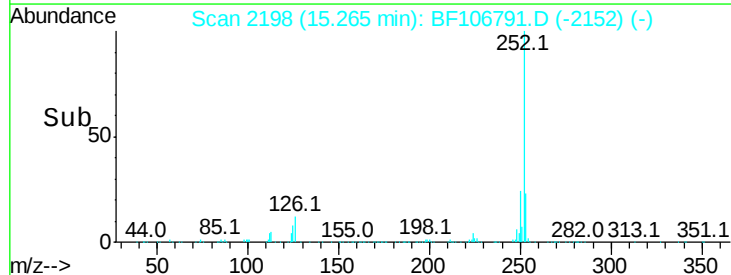
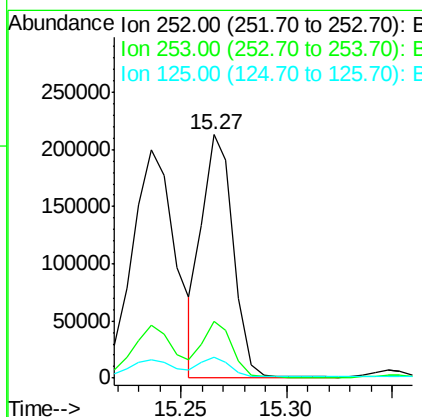
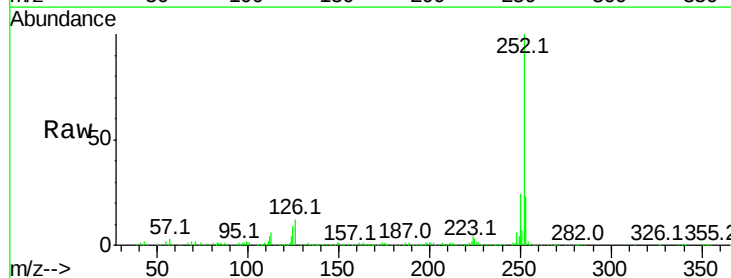
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

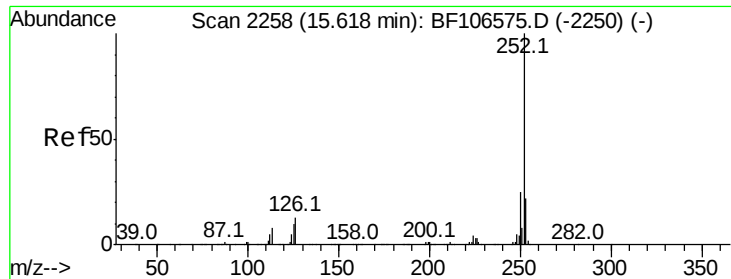
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.0  | 25.6  |
| 125     | 8.2   | 9.0   | 13.6# |



#88  
Benzo(k)fluoranthene  
Concen: 37.095 ng  
RT: 15.27 min Scan# 2198  
Delta R.T. -0.03 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.9  | 26.9  |
| 125     | 8.6   | 10.2  | 15.2# |

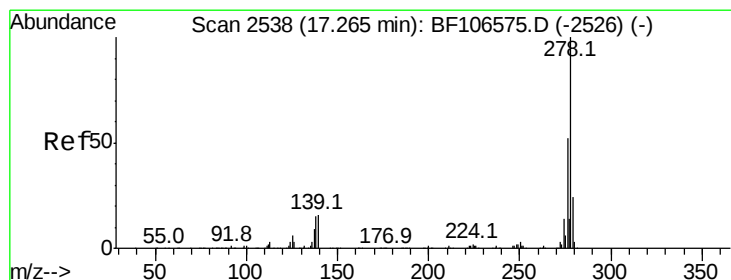
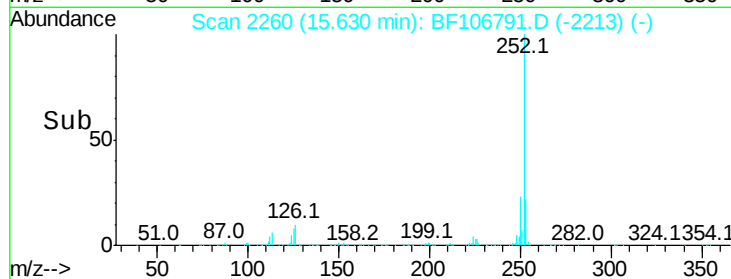
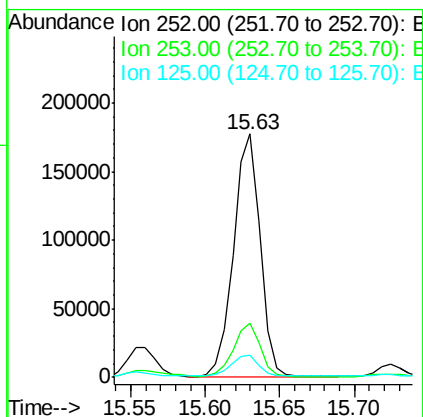
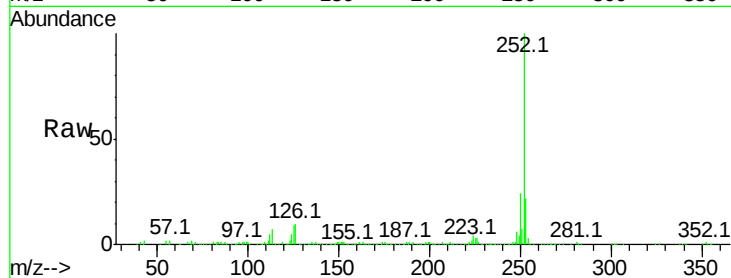




#89  
Benzo(a)pyrene  
Concen: 39.926 ng  
RT: 15.63 min Scan# 2260  
Delta R.T. -0.02 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

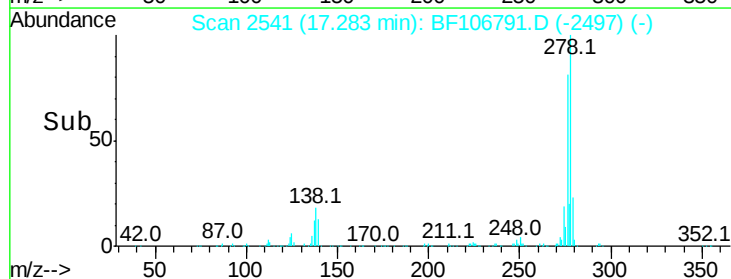
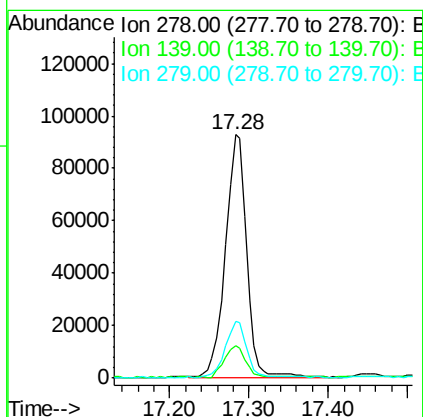
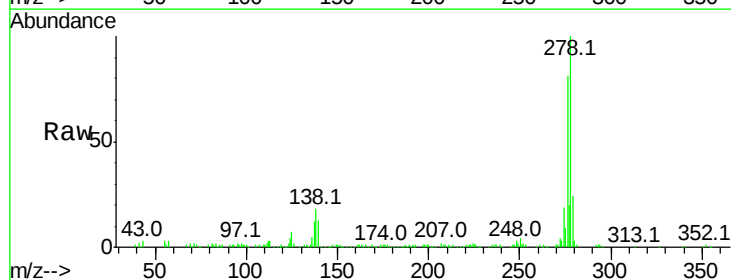
Instrument :  
BNA\_F  
ClientSampleId :  
A-1MSD

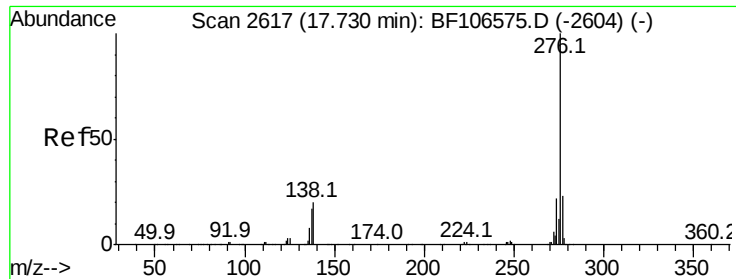
Tot Ion:252 Resp: 221792  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.1 25.7  
125 9.0 9.8 14.6#



#90  
Dibenzo(a,h)anthracene  
Concen: 36.107 ng  
RT: 17.28 min Scan# 2541  
Delta R.T. -0.04 min  
Lab File: BF106791.D  
Acq: 26 Jun 2018 00:06

Tgt Ion:278 Resp: 169989  
Ion Ratio Lower Upper  
278 100  
139 13.4 15.9 23.9#  
279 23.5 19.0 28.4





#91  
 Benzo(a,h,i)perylene  
 Concen: 38.275 ng  
 RT: 17.75 min Scan# 2621  
 Delta R.T. -0.04 min  
 Lab File: BF106791.D  
 Acq: 26 Jun 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.9  | 17.9  | 26.9  |
| 138     | 18.2  | 21.8  | 32.8  |

