

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
 Data File : BF106683.D  
 Acq On : 22 Jun 2018 1:22  
 Operator : JU/SJ  
 Sample : J3523-02MS 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

Quant Time: Jun 22 03:25:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 19 14:32:09 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 58945    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 217854   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 101460   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 201628   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 166970   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.68 | 264  | 124382   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 88469  | 25.41 | ng | 0.00  |
| 7) Phenol-d6             | 6.60  | 99  | 111696 | 25.69 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 64755  | 16.52 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 21143  | 17.98 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.31  | 172 | 124291 | 7.24  | ng | -0.01 |
| 78) Terphenyl-d14        | 13.08 | 244 | 151484 | 21.98 | ng | 0.00  |

## Target Compounds

|                                |      |     |       |        |    | Qvalue |
|--------------------------------|------|-----|-------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.80 | 88  | 12048 | 6.732  | ng | 99     |
| 3) Pyridine                    | 3.60 | 79  | 32847 | 6.768  | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.54 | 42  | 13236 | 6.421  | ng | 82     |
| 6) Aniline                     | 6.62 | 93  | 27963 | 4.742  | ng | # 86   |
| 8) 2-Chlorophenol              | 6.75 | 128 | 29693 | 7.777  | ng | 98     |
| 9) Benzaldehyde                | 6.51 | 77  | 17993 | 4.889  | ng | 95     |
| 10) Phenol                     | 6.61 | 94  | 43843 | 8.837  | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.69 | 93  | 31916 | 7.793  | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 35998 | 8.050  | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 36263 | 8.021  | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 34760 | 8.389  | ng | 97     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 26864 | 7.696  | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 47018 | 8.750  | ng | 91     |
| 17) 2-Methylphenol             | 7.22 | 107 | 25234 | 7.723  | ng | # 94   |
| 18) Hexachloroethane           | 7.47 | 117 | 6678  | 4.200  | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70  | 21835 | 7.620  | ng | 95     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 32491 | 6.915  | ng | 86     |
| 22) Acetophenone               | 7.37 | 105 | 45066 | 9.246  | ng | # 95   |
| 24) Nitrobenzene               | 7.54 | 77  | 31890 | 7.968  | ng | 99     |
| 25) Isophorone                 | 7.78 | 82  | 56925 | 8.241  | ng | 100    |
| 26) 2-Nitrophenol              | 7.86 | 139 | 7511  | 3.975  | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 25668 | 8.790  | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93  | 36050 | 7.773  | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 23464 | 7.675  | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 28296 | 8.401  | ng | 97     |
| 31) Naphthalene                | 8.27 | 128 | 91562 | 8.990  | ng | 99     |
| 32) Benzoic acid               | 7.90 | 122 | 25668 | 16.372 | ng | # 14   |
| 33) 4-Chloroaniline            | 8.31 | 127 | 23075 | 5.399  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 18883 | 8.604  | ng | 98     |
| 35) Caprolactam                | 8.65 | 113 | 6426  | 6.448  | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 23616 | 7.339  | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 62702 | 9.288  | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 29547 | 8.647  | ng | # 95   |
| 42) 2,4,6-Trichlorophenol      | 9.24 | 196 | 8695  | 3.828  | ng | 93     |

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 ALS Vial : 19 Sample Multiplier: 1

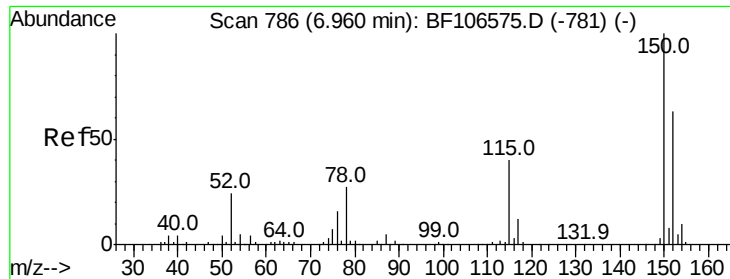
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

Quant Time: Jun 22 03:25:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 19 14:32:09 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 13856    | 5.846  | ng    | # 90     |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 70377    | 8.704  | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 49871    | 7.836  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.54  | 65   | 16358    | 7.643  | ng    | 87       |
| 48) Acenaphthylene             | 9.87  | 152  | 79399    | 7.901  | ng    | 98       |
| 49) Dimethylphthalate          | 9.71  | 163  | 79111    | 10.396 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 8826     | 5.477  | ng    | 92       |
| 51) Acenaphthene               | 10.04 | 154  | 51727    | 8.175  | ng    | 97       |
| 52) 3-Nitroaniline             | 9.95  | 138  | 13716    | 7.397  | ng    | 98       |
| 54) Dibenzofuran               | 10.21 | 168  | 77042    | 8.892  | ng    | 94       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 1168     | 0.902  | ng    | # 77     |
| 56) 2,4-Dinitrotoluene         | 10.19 | 165  | 10309    | 4.901  | ng    | # 86     |
| 57) Fluorene                   | 10.55 | 166  | 62678    | 9.116  | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 3161     | 1.678  | ng    | # 63     |
| 59) Diethylphthalate           | 10.41 | 149  | 54833    | 7.466  | ng    | 94       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 28491    | 7.920  | ng    | # 83     |
| 61) 4-Nitroaniline             | 10.57 | 138  | 15186    | 8.252  | ng    | 98       |
| 62) Azobenzene                 | 10.70 | 77   | 50363    | 6.963  | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 49094    | 7.239  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 18526    | 7.699  | ng    | # 81     |
| 67) Hexachlorobenzene          | 11.10 | 284  | 19009    | 7.548  | ng    | # 84     |
| 68) Atrazine                   | 11.18 | 200  | 17217    | 7.986  | ng    | 91       |
| 69) Pentachlorophenol          | 11.30 | 266  | 655      | 0.521  | ng    | 96       |
| 70) Phenanthrene               | 11.52 | 178  | 139469   | 14.341 | ng    | 98       |
| 71) Anthracene                 | 11.57 | 178  | 100252   | 10.100 | ng    | 98       |
| 72) Carbazole                  | 11.73 | 167  | 80836    | 8.698  | ng    | 97       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 86209    | 7.874  | ng    | 99       |
| 74) Fluoranthene               | 12.71 | 202  | 166051   | 15.492 | ng    | 96       |
| 76) Benzidine                  | 12.83 | 184  | 21331    | 4.486  | ng    | 97       |
| 77) Pyrene                     | 12.95 | 202  | 161187   | 14.639 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 36746    | 8.117  | ng    | # 98     |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 103993   | 10.219 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 23674    | 6.619  | ng    | # 95     |
| 82) Chrysene                   | 14.17 | 228  | 96846    | 10.344 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 58664    | 10.136 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.73 | 149  | 74883    | 7.938  | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.26 | 276  | 63750    | 8.024  | ng    | # 91     |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 79606    | 10.303 | ng    | 94       |
| 88) Benzo(k)fluoranthene       | 15.25 | 252  | 62021    | 8.429  | ng    | 97       |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 69131    | 10.065 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.27 | 278  | 46348    | 7.962  | ng    | 94       |
| 91) Benzo(g,h,i)perylene       | 17.74 | 276  | 54223    | 9.530  | ng    | # 91     |

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



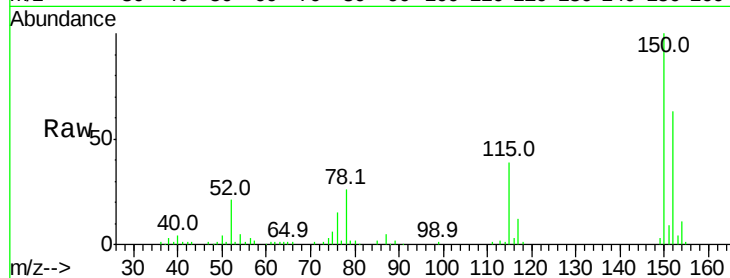


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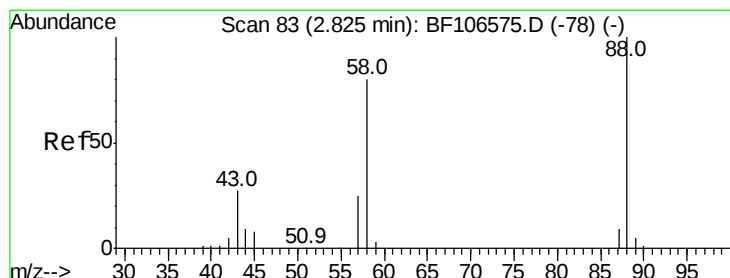
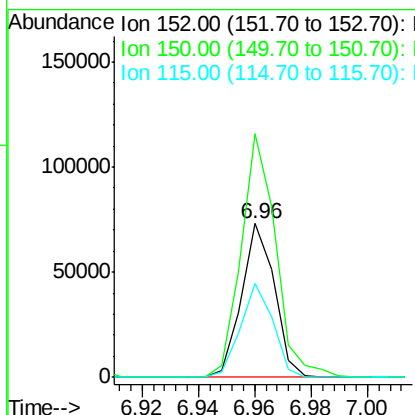
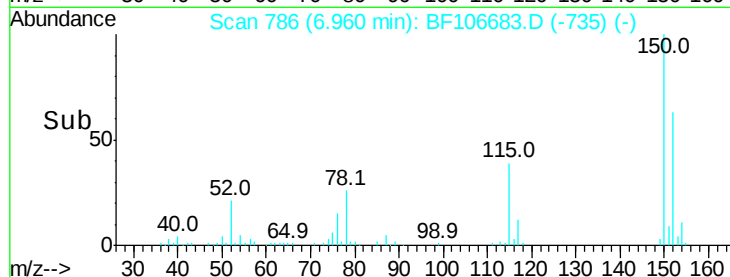
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:152 Resp: 58945  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.6 186.8  
115 61.4 50.1 75.1



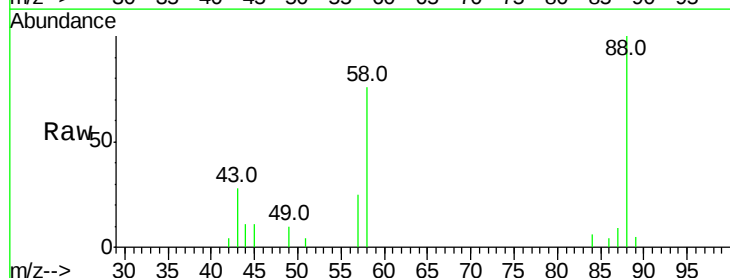
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



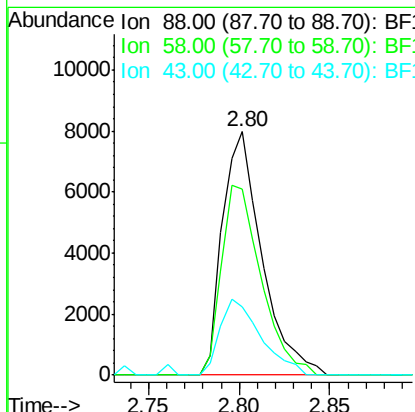
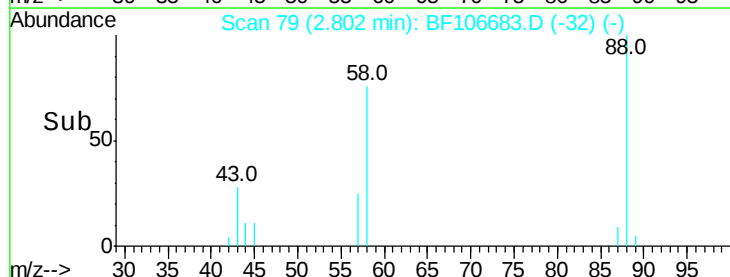
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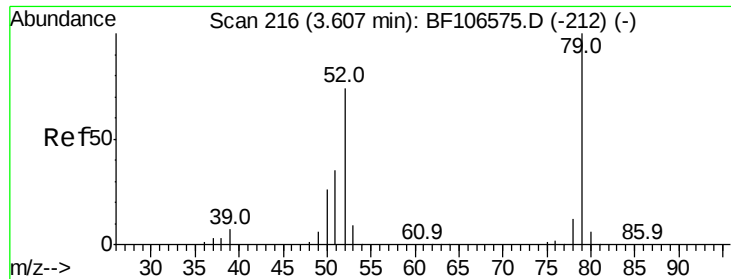
1,4-Dioxane  
Concen: 6.732 ng  
RT: 2.80 min Scan# 79  
Delta R.T. -0.02 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion: 88 Resp: 12048  
Ion Ratio Lower Upper  
88 100  
58 78.5 62.6 93.8  
43 32.5 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

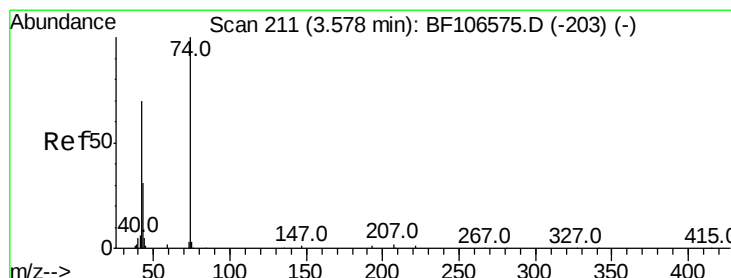
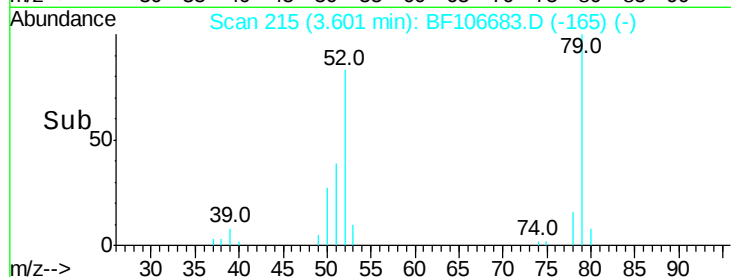
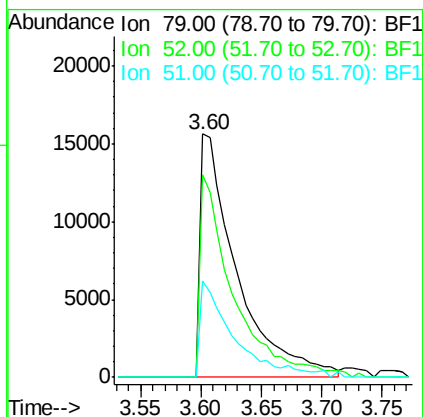
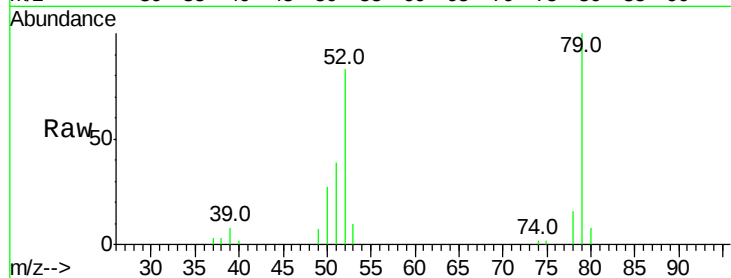




#3  
 Pvridine  
 Concen: 6.768 ng  
 RT: 3.60 min Scan# 215  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

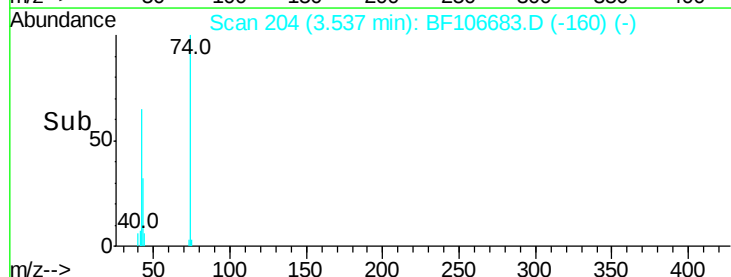
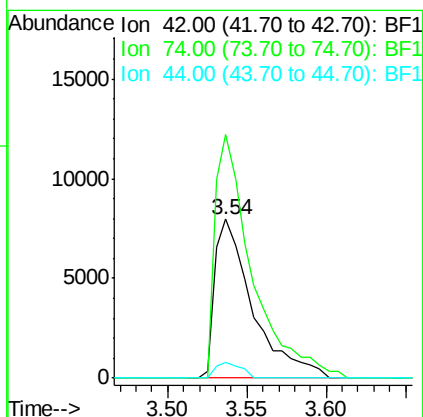
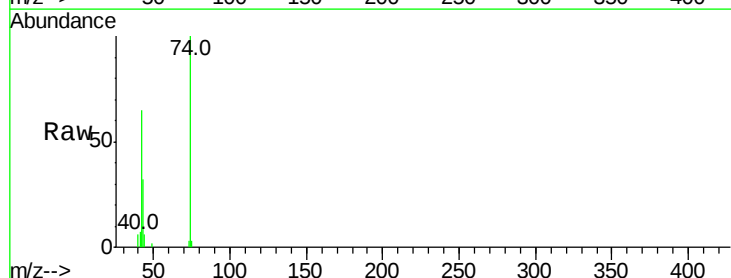
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

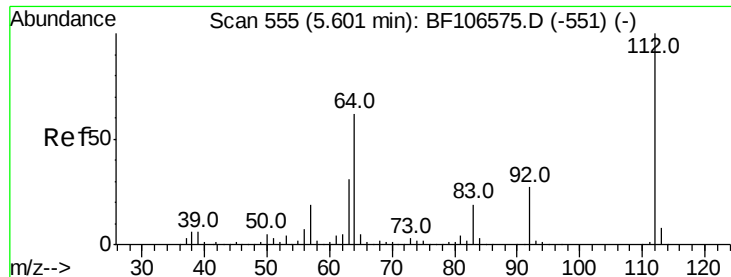
Tot Ion: 79 Resp: 32847  
 Ion Ratio Lower Upper  
 79 100  
 52 83.2 59.8 89.6  
 51 39.3 29.8 44.8



#4  
 n-Nitrosodimethylamine  
 Concen: 6.421 ng  
 RT: 3.54 min Scan# 204  
 Delta R.T. -0.04 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion: 42 Resp: 13236  
 Ion Ratio Lower Upper  
 42 100  
 74 153.6 104.9 157.3  
 44 9.6 6.9 10.3





#5

2-Fluorophenol

Concen: 25.415 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

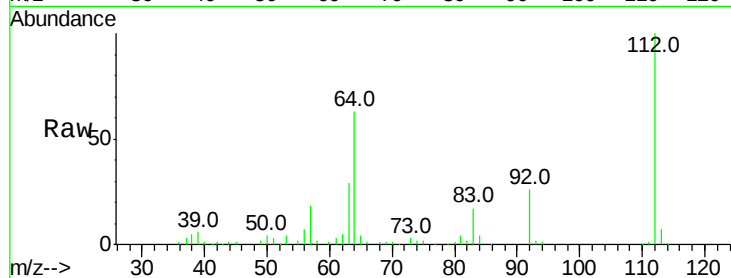
Tot Ion:112 Resp: 88469

Ion Ratio Lower Upper

112 100

64 62.8 47.9 71.9

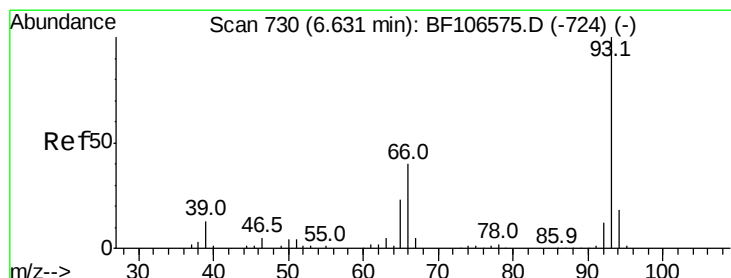
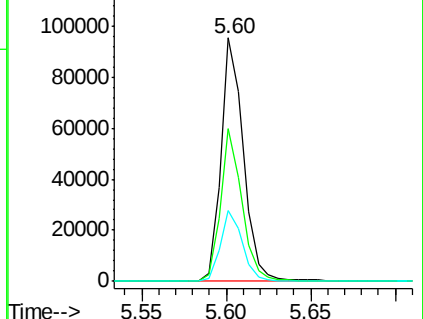
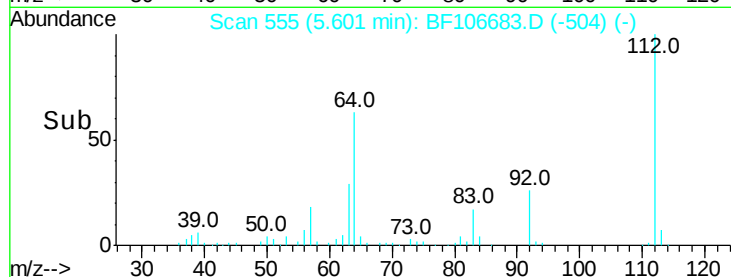
63 29.1 23.7 35.5



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: 4.742 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

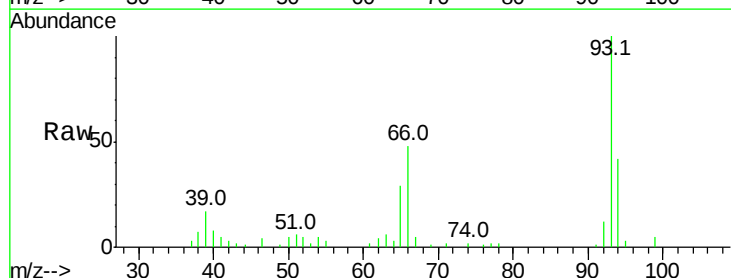
Tgt Ion: 93 Resp: 27963

Ion Ratio Lower Upper

93 100

66 47.8 32.2 48.2

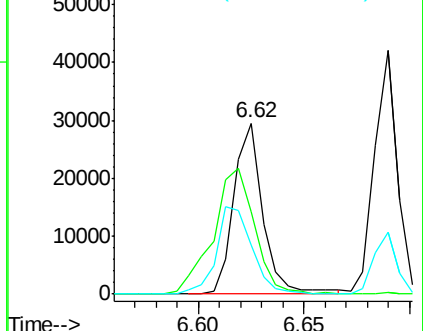
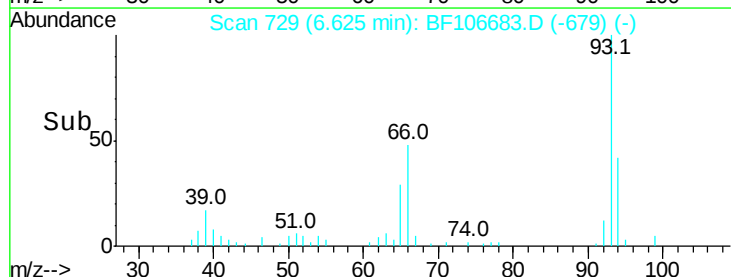
65 28.9 16.4 24.6#



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: 25.694 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

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ClientSampleId :

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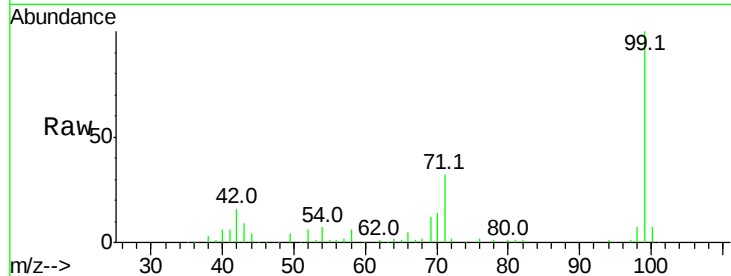
Tot Ion: 99 Resp: 111696

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

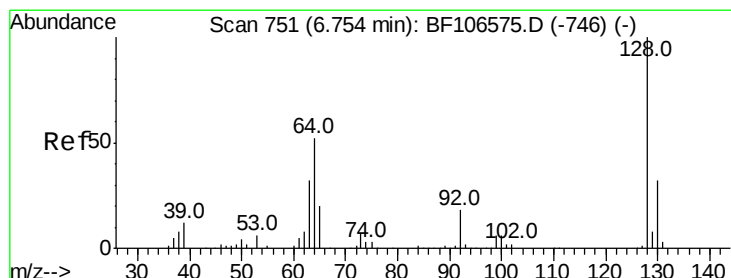
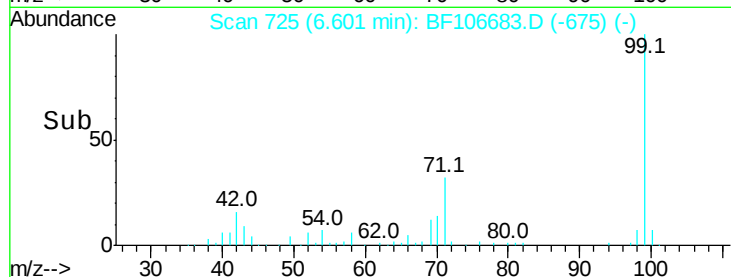
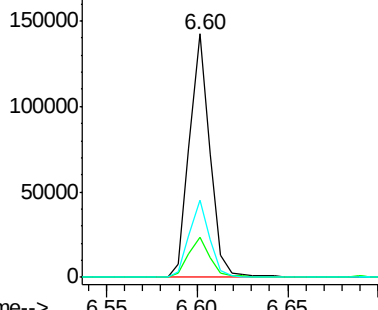
71 32.0 25.4 38.0



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: 7.777 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

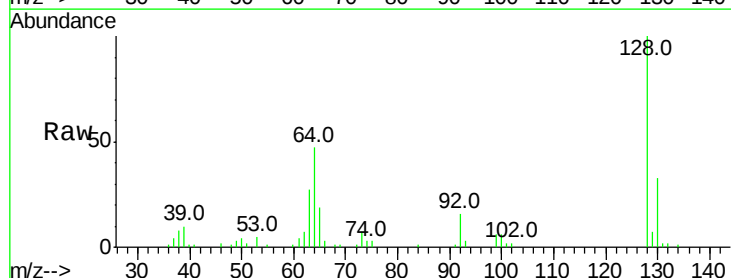
Tgt Ion: 128 Resp: 29693

Ion Ratio Lower Upper

128 100

130 32.7 13.0 53.0

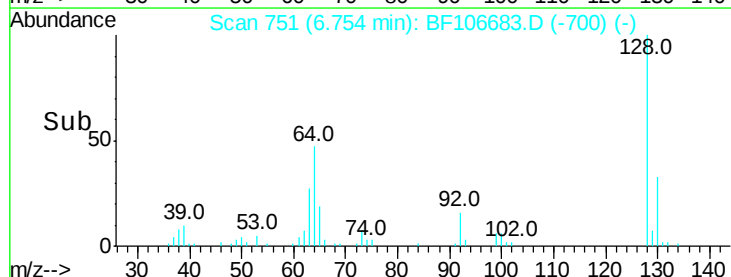
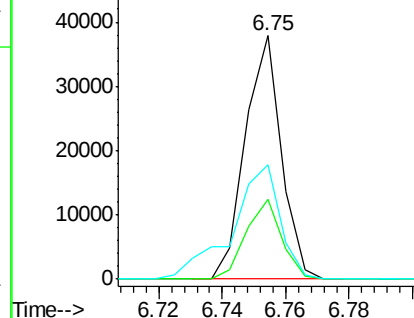
64 47.2 29.4 69.4

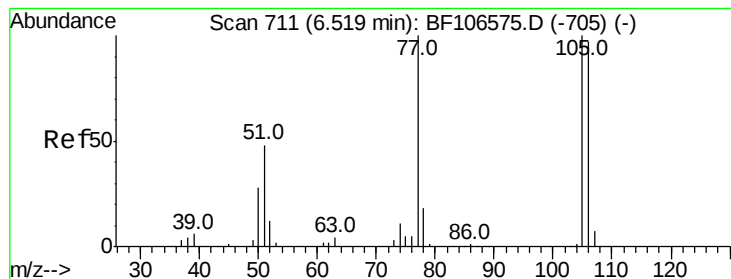


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 4.889 ng

RT: 6.51 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

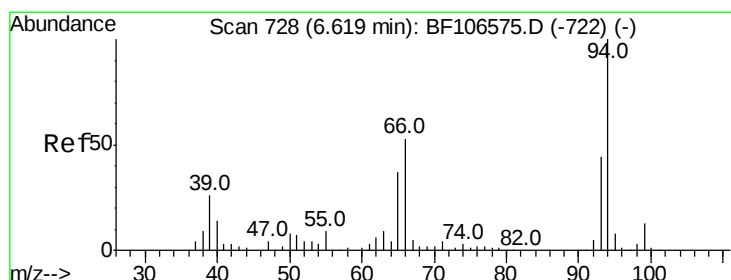
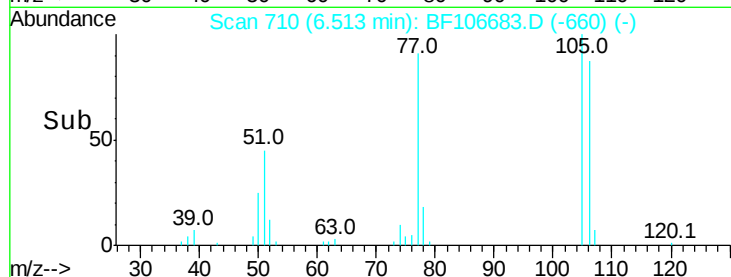
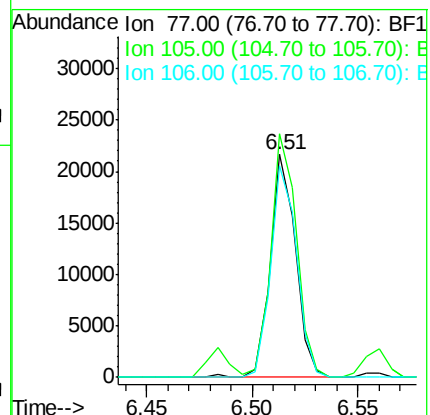
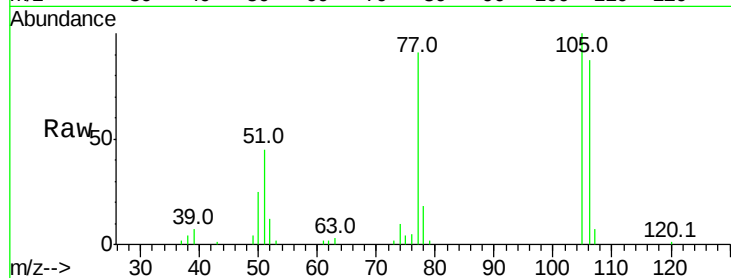
Tot Ion: 77 Resp: 17993

Ion Ratio Lower Upper

77 100

105 109.4 81.1 121.1

106 95.0 74.5 114.5



#10

Phenol

Concen: 8.837 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

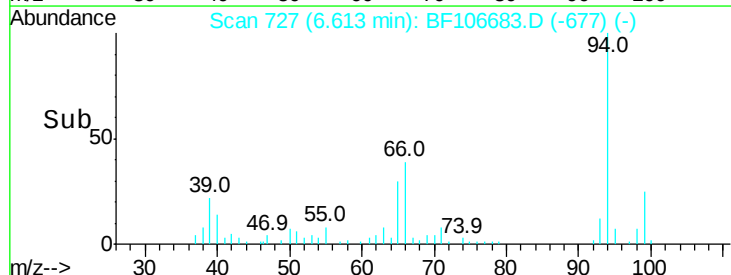
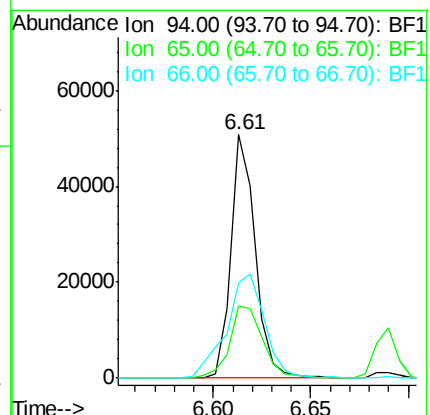
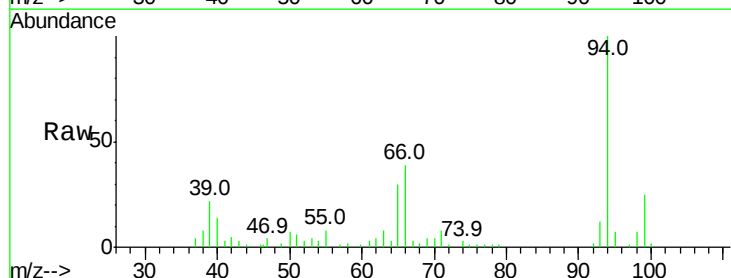
Tgt Ion: 94 Resp: 43843

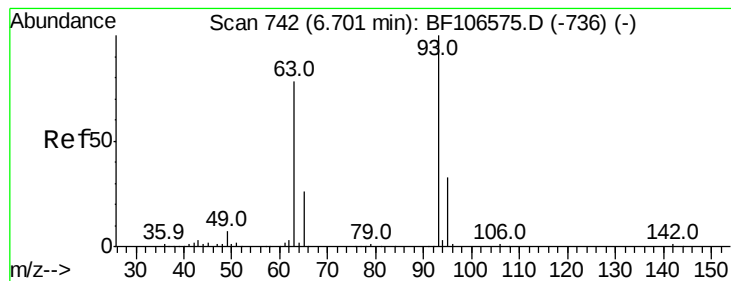
Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 39.0 16.2 56.2

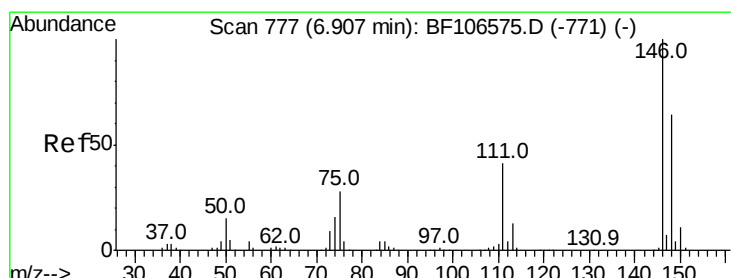
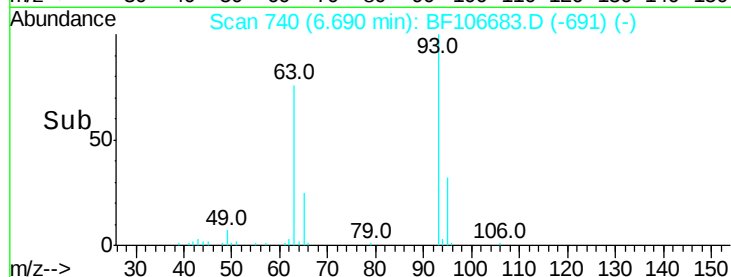
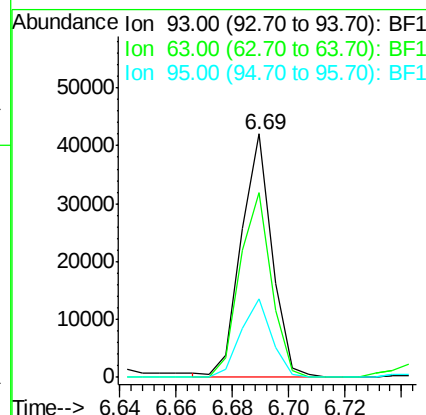
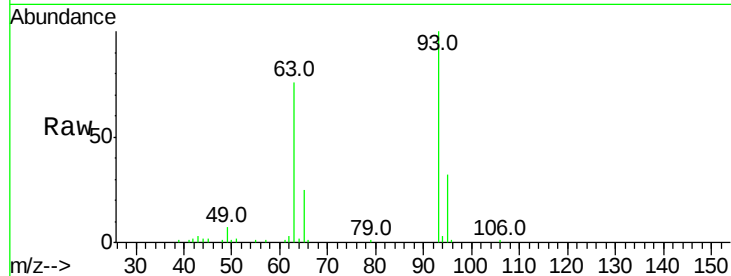




#11  
bis(2-Chloroethyl)ether  
Concen: 7.793 ng  
RT: 6.69 min Scan# 740  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

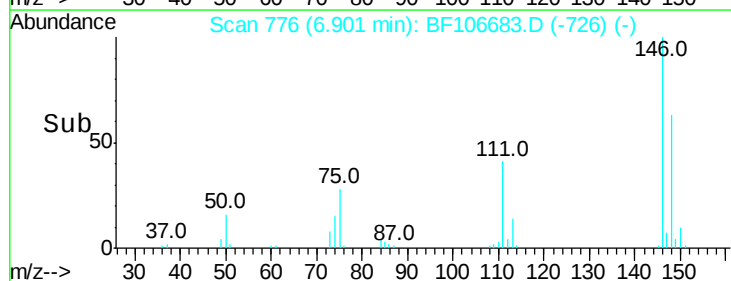
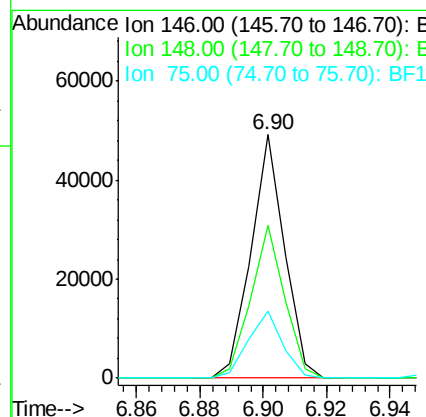
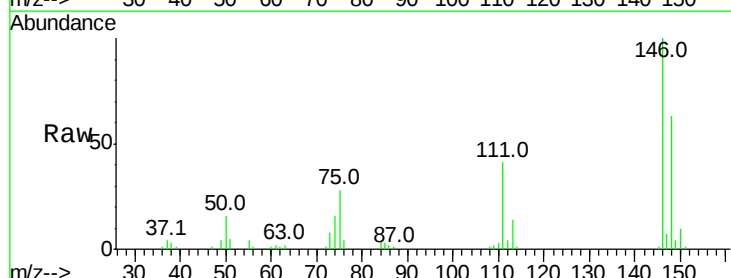
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

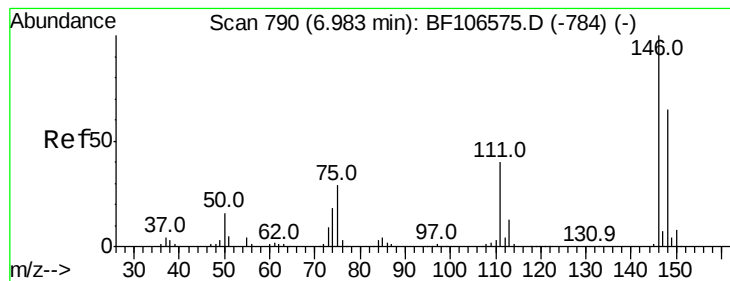
Tot Ion: 93 Resp: 31916  
Ion Ratio Lower Upper  
93 100  
63 75.7 58.6 98.6  
95 32.1 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 8.050 ng  
RT: 6.90 min Scan# 776  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion: 146 Resp: 35998  
Ion Ratio Lower Upper  
146 100  
148 62.7 51.8 77.8  
75 27.7 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 8.021 ng

RT: 6.98 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

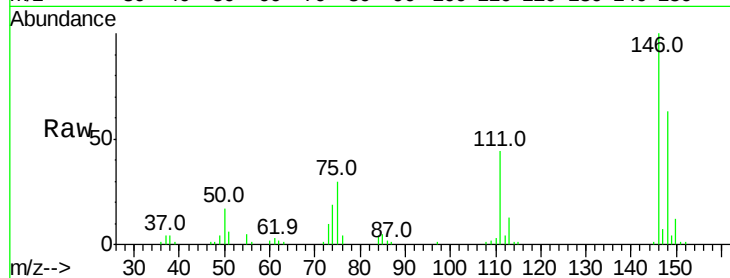
Tot Ion:146 Resp: 36263

Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

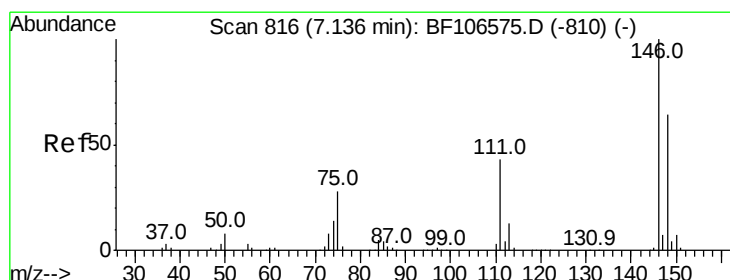
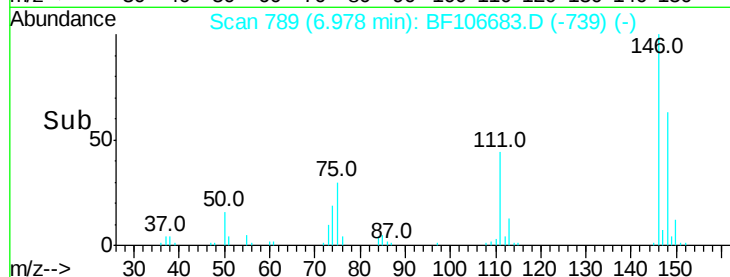
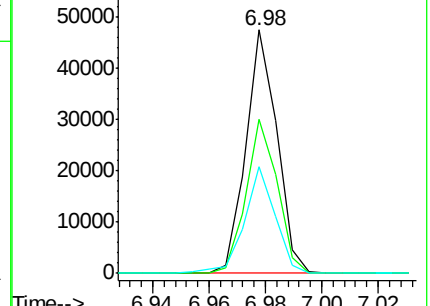
111 43.6 34.2 51.2



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: 8.389 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

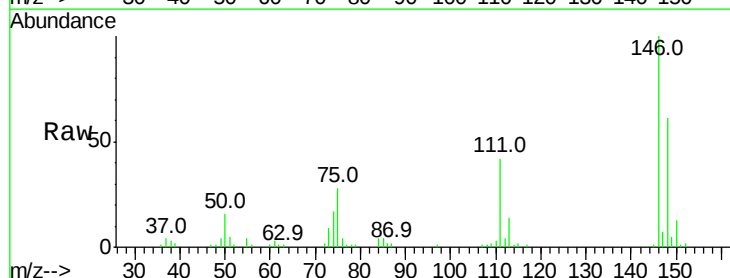
Tgt Ion:146 Resp: 34760

Ion Ratio Lower Upper

146 100

148 61.4 50.6 75.8

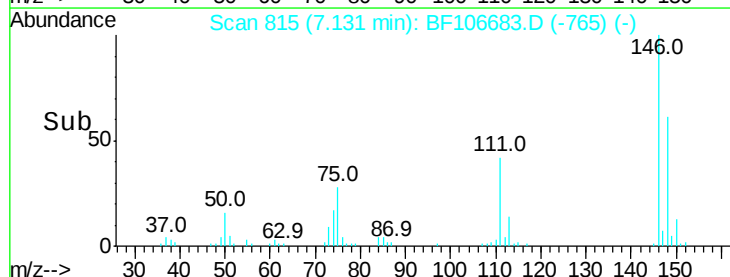
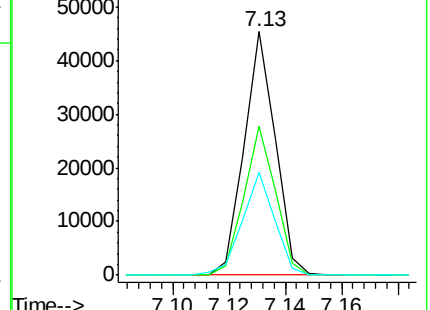
111 42.5 36.0 54.0



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

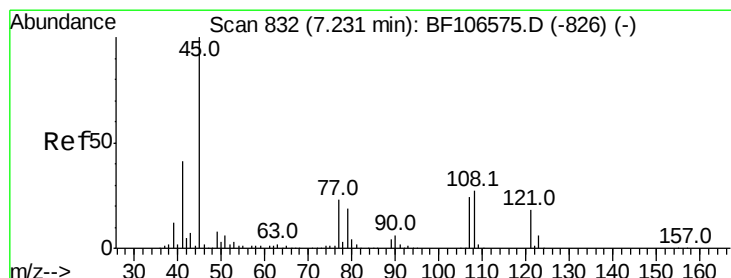
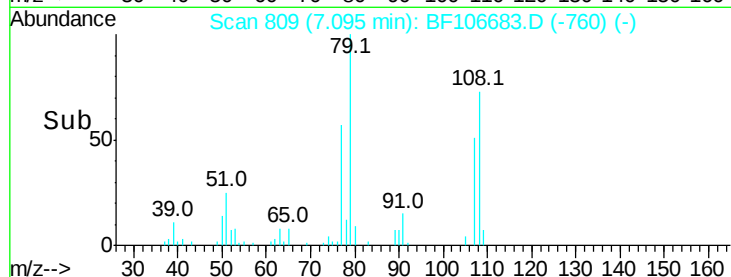
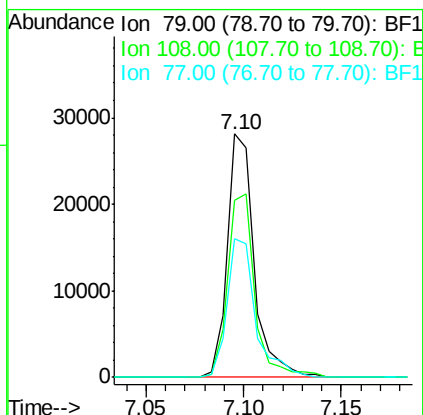
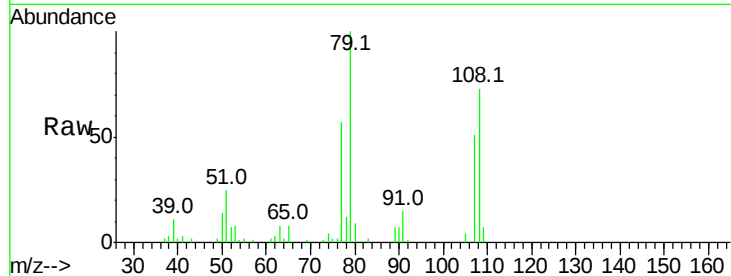




#15  
Benzyl Alcohol  
Concen: 7.696 ng  
RT: 7.10 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

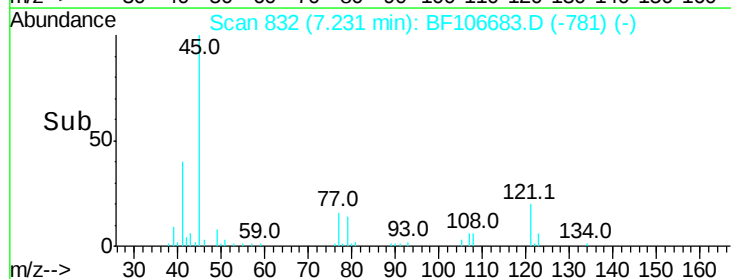
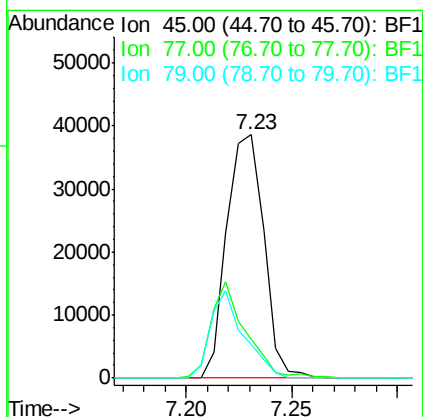
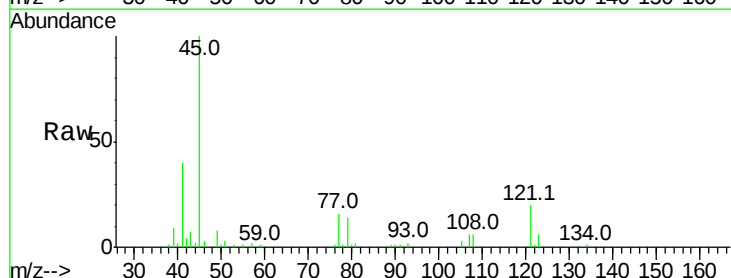
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

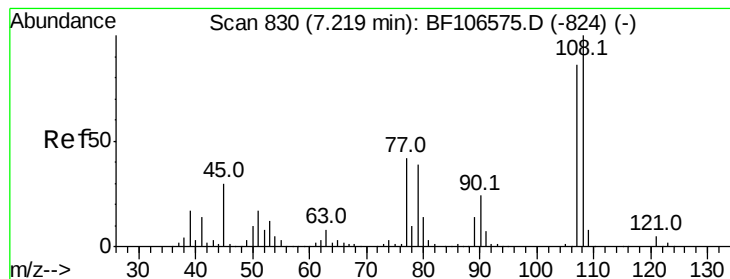
Tot Ion: 79 Resp: 26864  
Ion Ratio Lower Upper  
79 100  
108 72.6 65.1 97.7  
77 57.0 50.6 75.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.750 ng  
RT: 7.23 min Scan# 832  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion: 45 Resp: 47018  
Ion Ratio Lower Upper  
45 100  
77 16.0 0.0 32.9  
79 13.9 0.0 29.6





#17

2-Methylphenol

Concen: 7.723 ng

RT: 7.22 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

Tot Ion:107 Resp: 25234

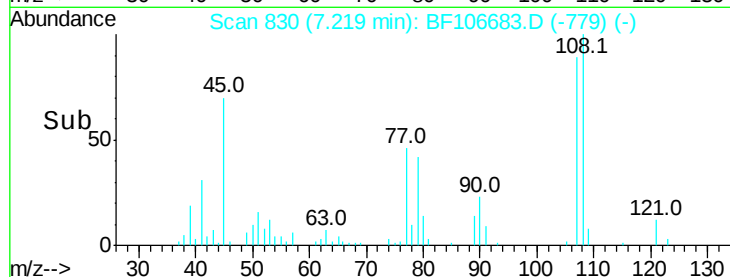
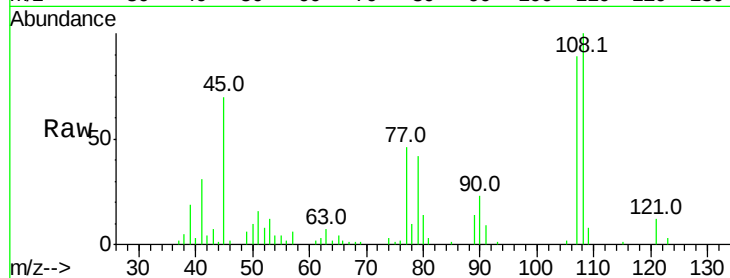
Ion Ratio Lower Upper

107 100

108 112.5 91.7 137.5

77 52.1 33.8 50.8#

79 47.3 33.8 50.8

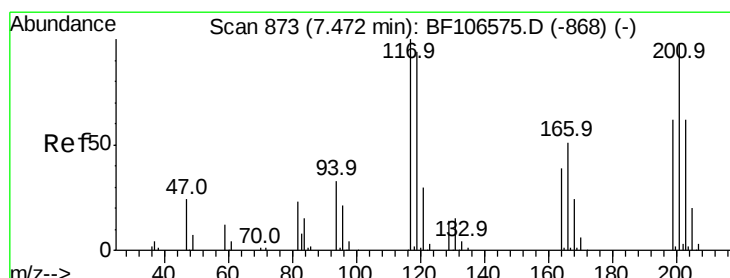
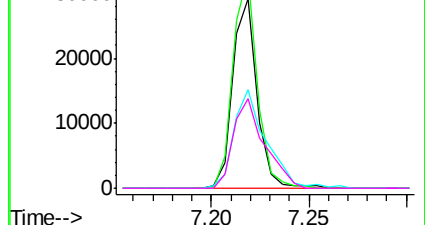


Abundance Ion 107.00 (106.70 to 107.70): E

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: 4.200 ng

RT: 7.47 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

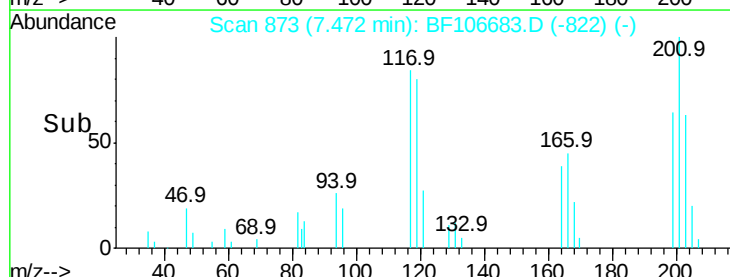
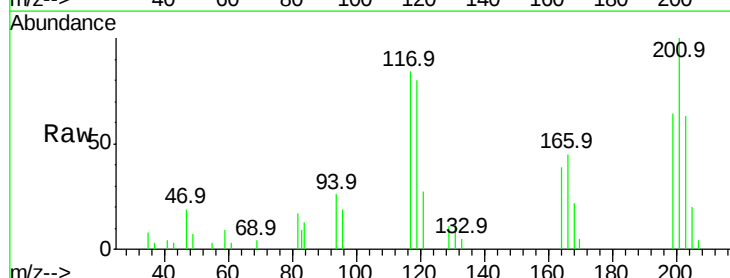
Tgt Ion:117 Resp: 6678

Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8

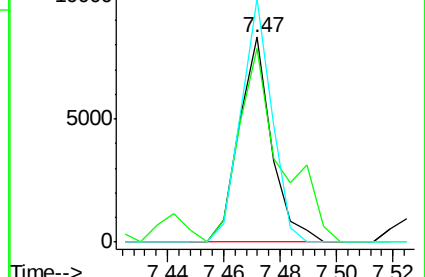
201 118.8 75.7 113.5#



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

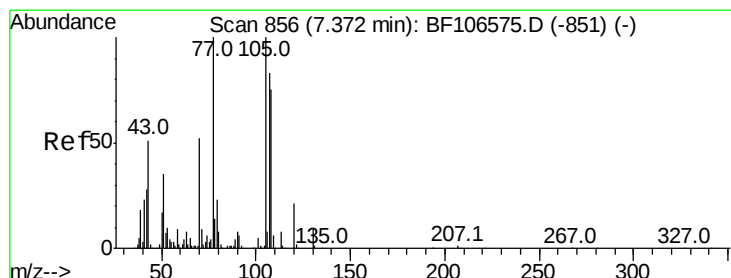
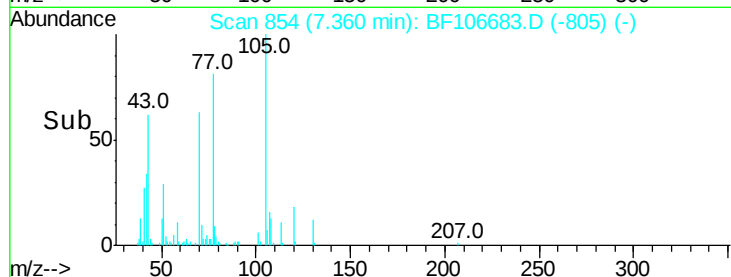
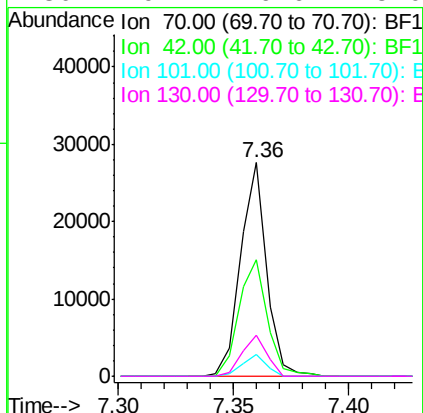
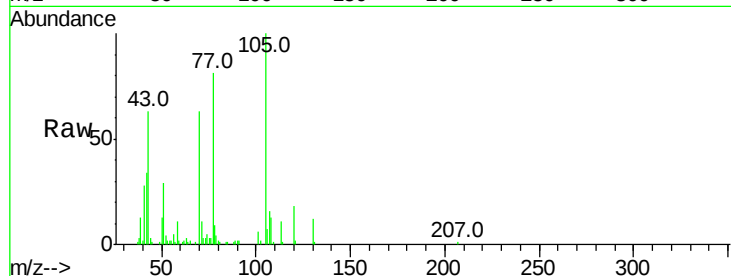




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.620 ng  
RT: 7.36 min Scan# 854  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

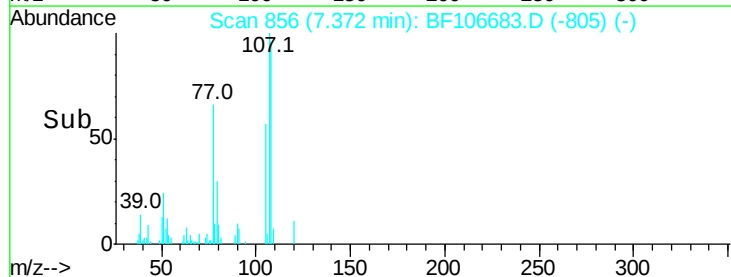
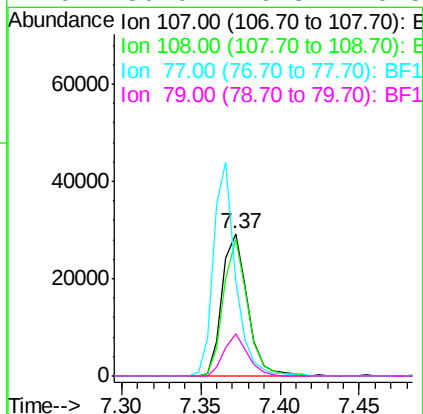
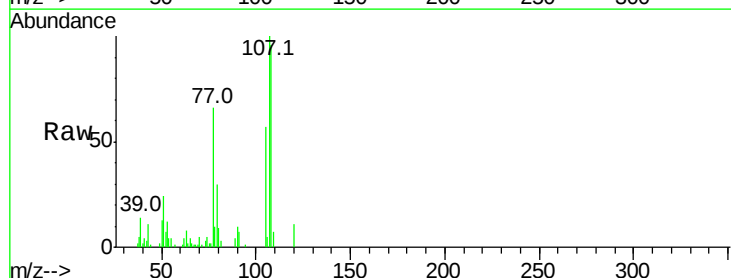
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

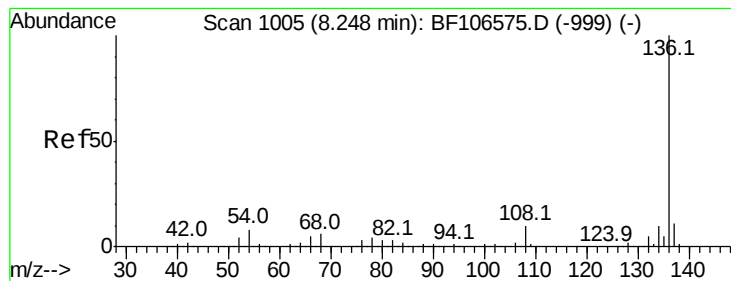
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 21835 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 54.3  | 47.5  | 71.3  |
| 101      | 10.0  | 7.4   | 11.2  |
| 130      | 19.2  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 6.915 ng  
RT: 7.37 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 32491 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 96.3  | 68.2  | 108.2 |
| 77       | 66.1  | 26.7  | 66.7  |
| 79       | 30.0  | 6.3   | 46.3  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

Tot Ion:136 Resp: 217854

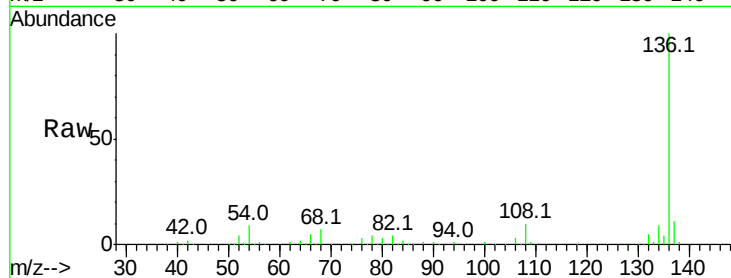
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 6.7 5.0 7.4

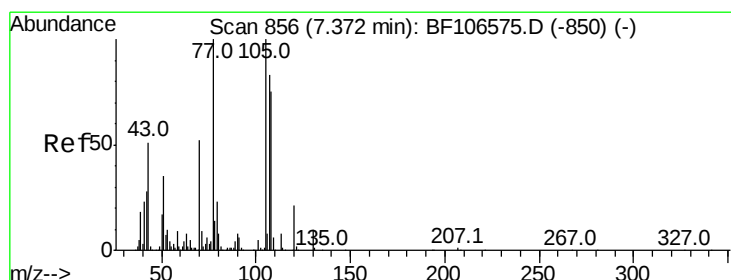
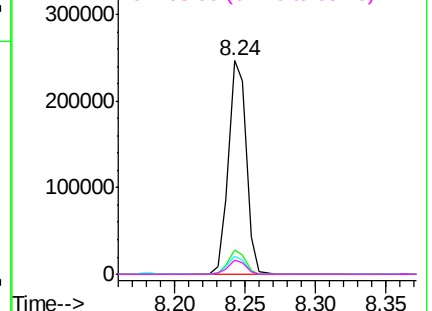
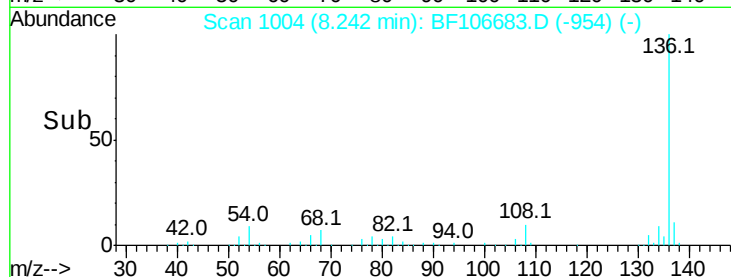


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.246 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Tgt Ion:105 Resp: 45066

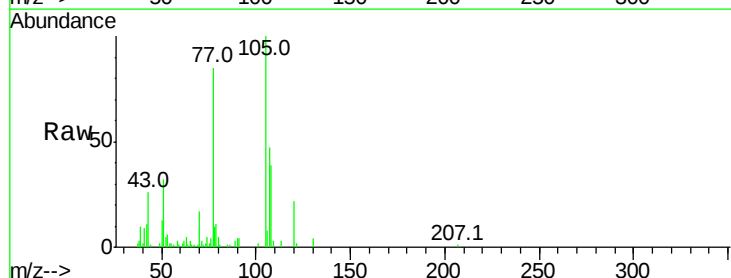
Ion Ratio Lower Upper

105 100

71 2.8 4.4 6.6#

51 31.7 22.3 33.5

120 21.6 16.9 25.3

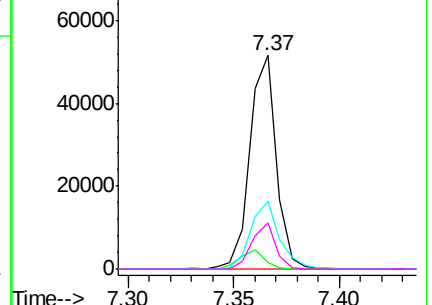
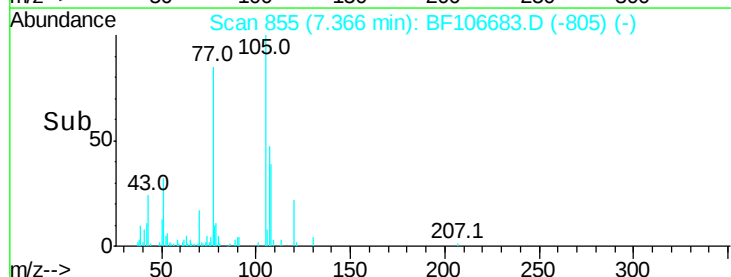


Abundance Ion 105.00 (104.70 to 105.70): E

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

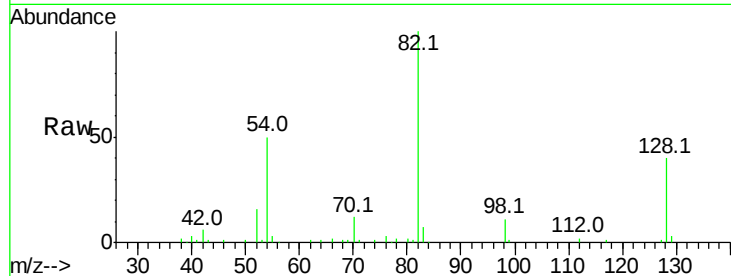




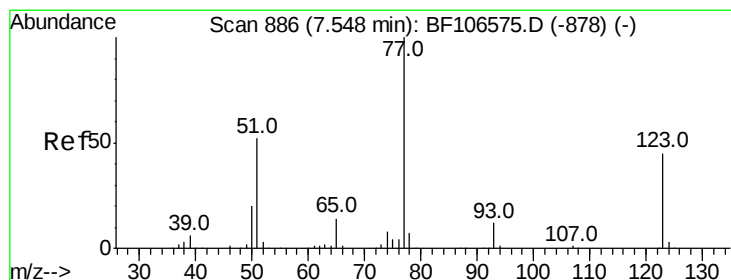
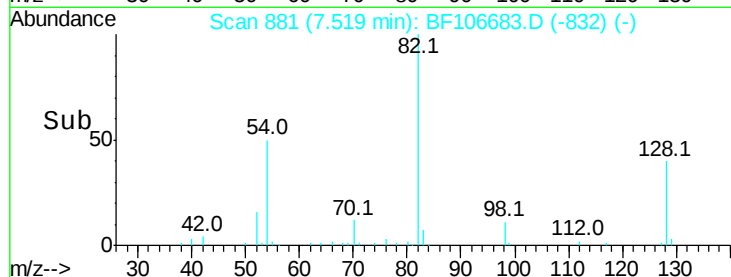
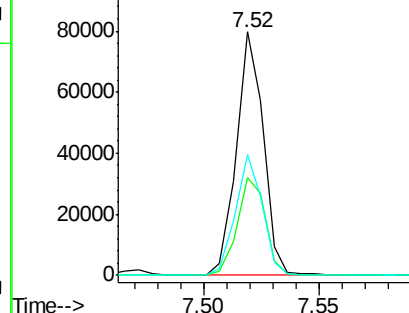
#23  
 Nitrobenzene-d5  
 Concen: 16.519 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

| Tot Ion   | 82    | Resp  | 64755 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 40.1  | 36.1  | 54.1  |
| 54        | 49.5  | 41.4  | 62.2  |

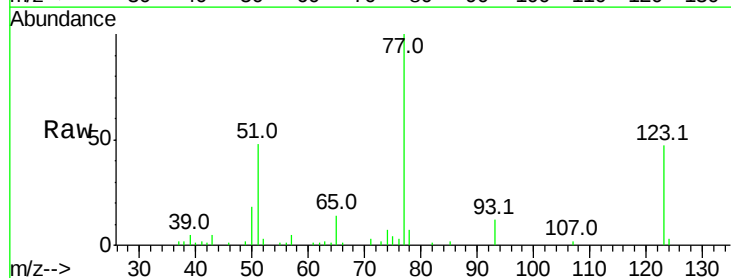


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

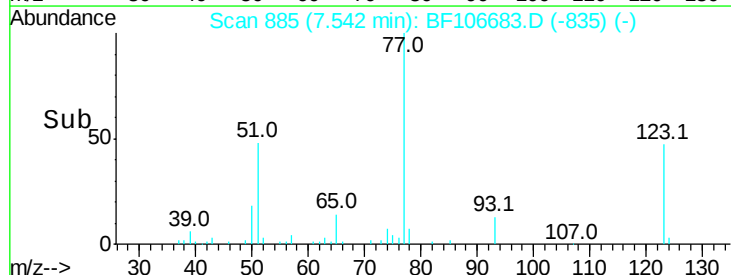
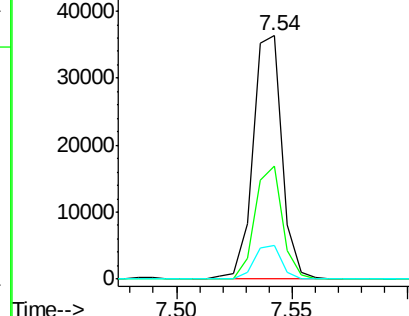


#24  
 Nitrobenzene  
 Concen: 7.968 ng  
 RT: 7.54 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

| Tgt Ion   | 77    | Resp  | 31890 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 46.6  | 37.9  | 56.9  |
| 65        | 14.1  | 11.0  | 16.4  |



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





#25

Isophorone

Concen: 8.241 ng

RT: 7.78 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

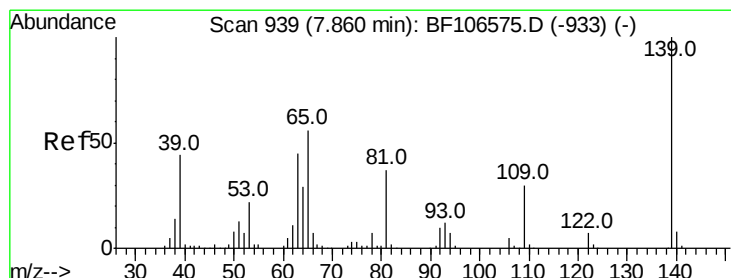
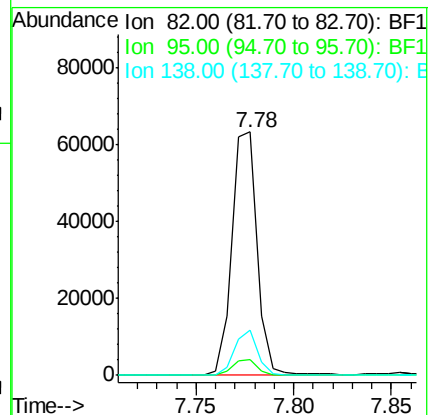
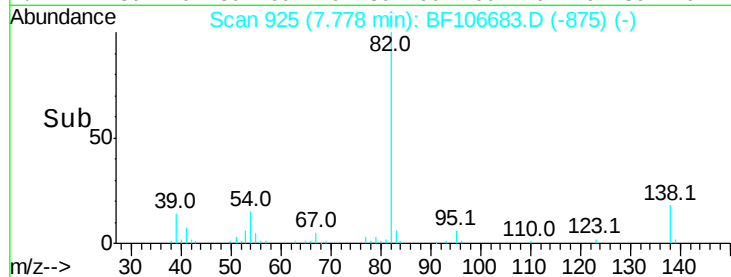
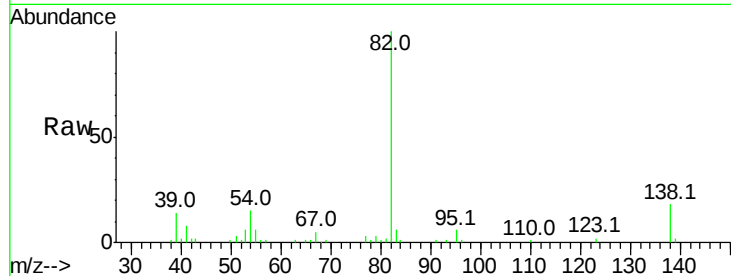
Tot Ion: 82 Resp: 56925

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 18.4 14.9 22.3



#26

2-Nitrophenol

Concen: 3.975 ng

RT: 7.86 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

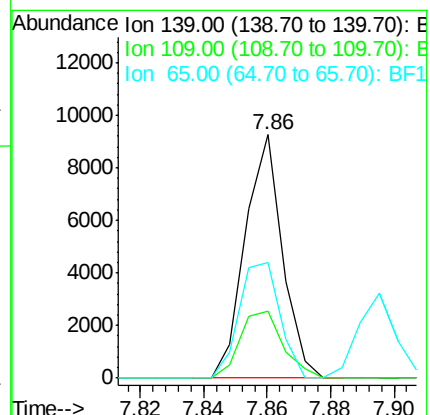
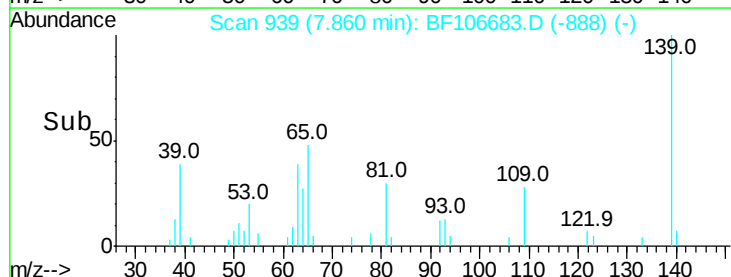
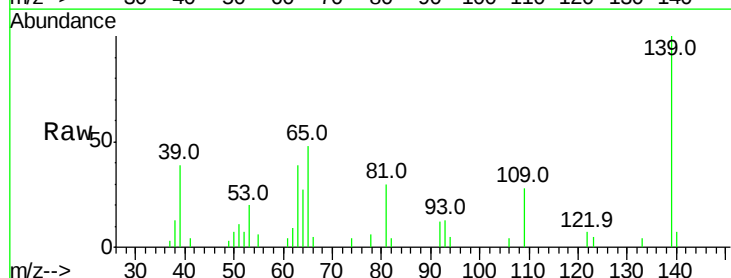
Tgt Ion: 139 Resp: 7511

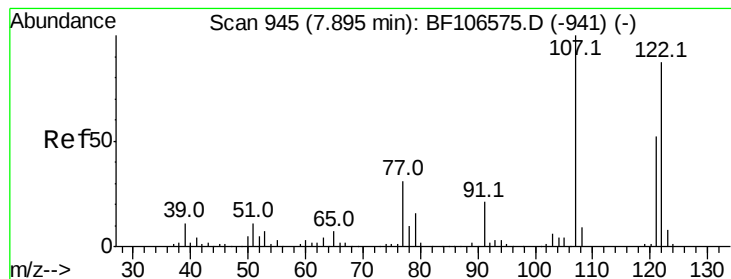
Ion Ratio Lower Upper

139 100

109 27.6 22.7 34.1

65 47.6 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 8.790 ng

RT: 7.90 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

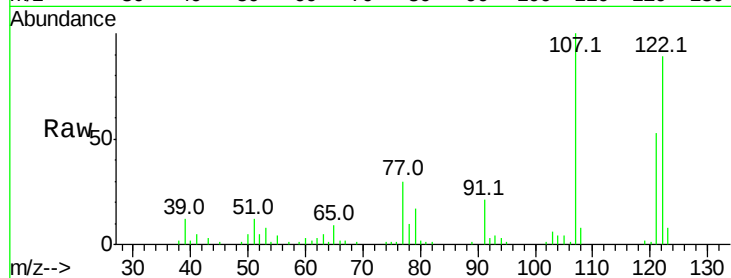
Tot Ion:122 Resp: 25668

Ion Ratio Lower Upper

122 100

107 112.9 91.2 136.8

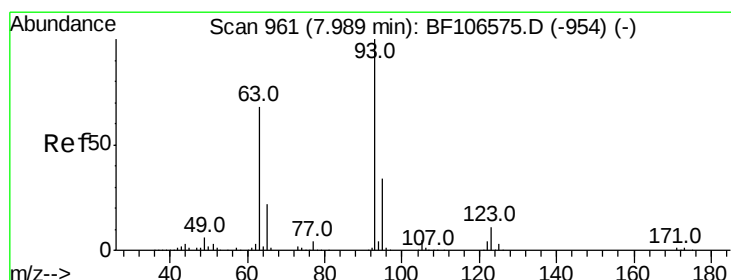
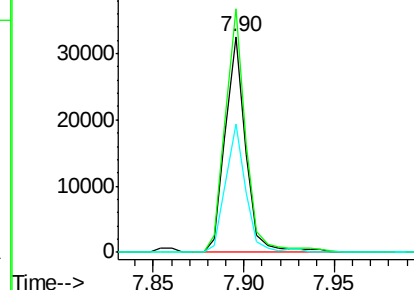
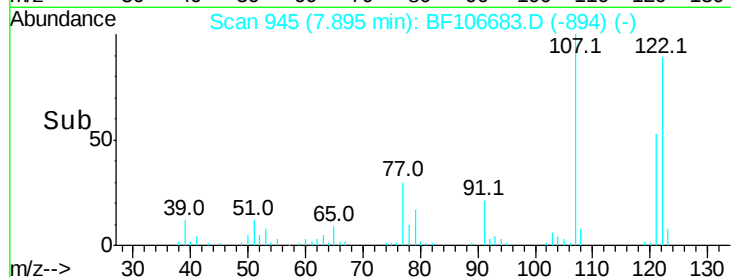
121 59.4 47.2 70.8



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: 7.773 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

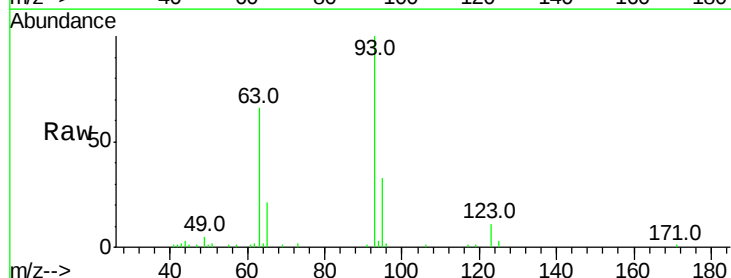
Tgt Ion: 93 Resp: 36050

Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

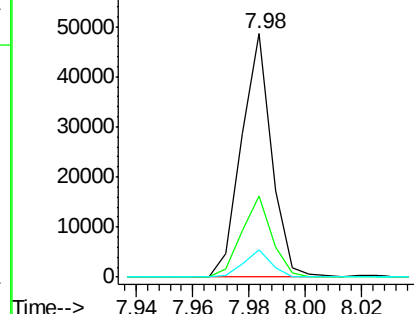
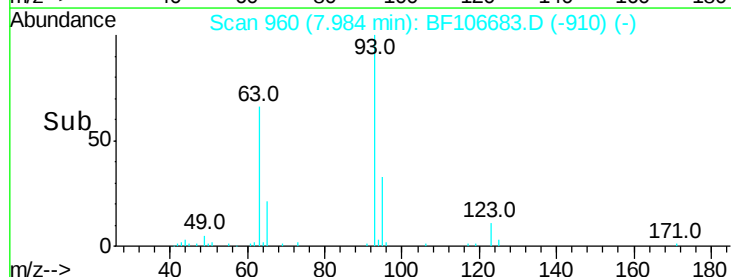
123 11.1 9.8 14.6

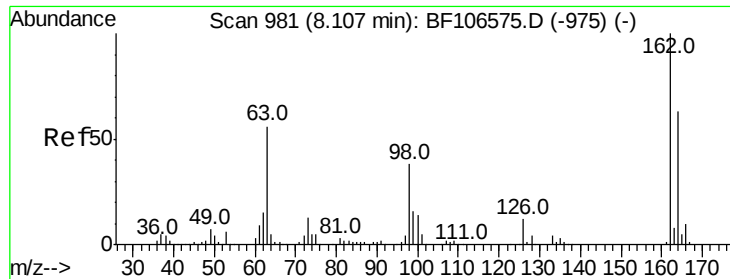


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

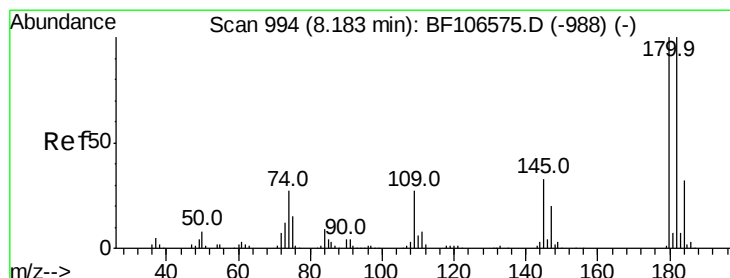
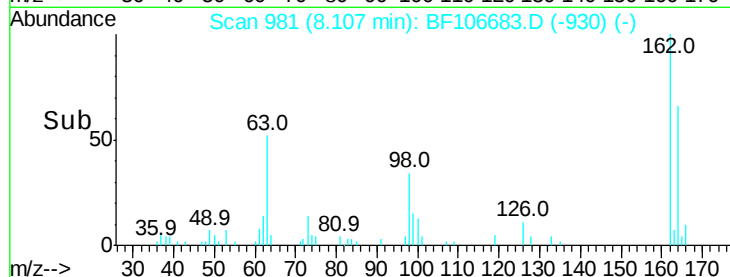
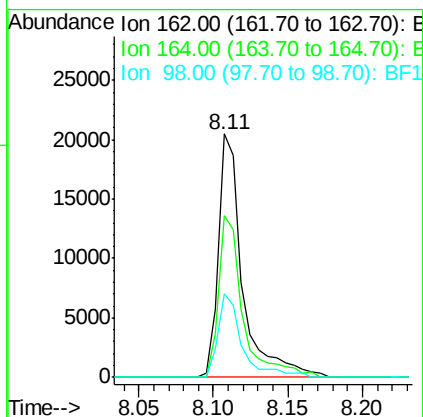
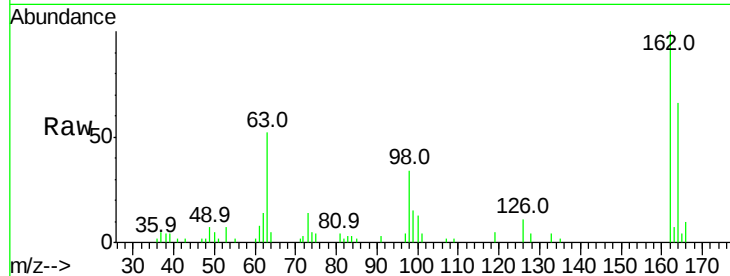




#29  
 2,4-Dichlorophenol  
 Concen: 7.675 ng  
 RT: 8.11 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

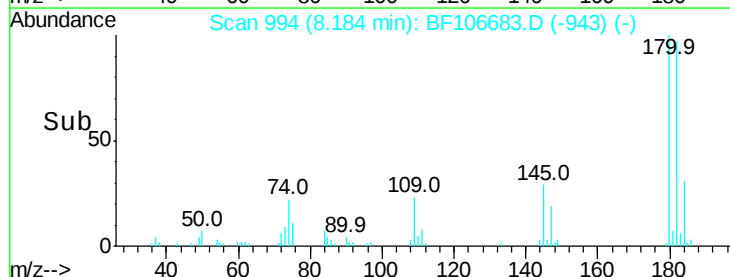
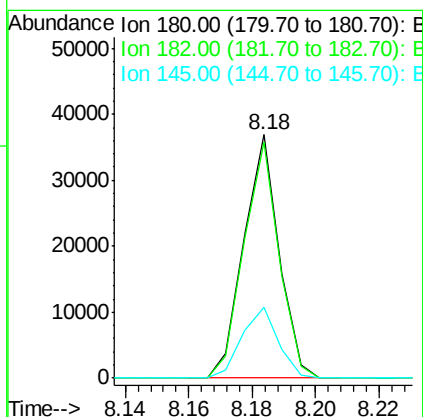
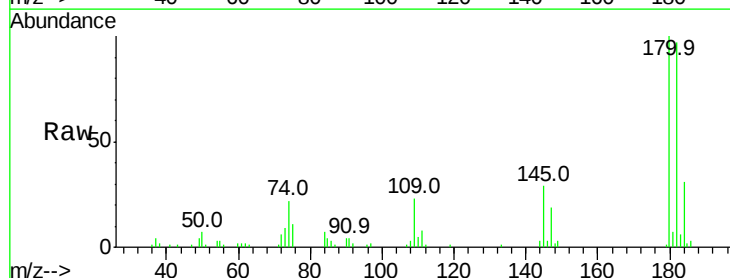
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

Tot Ion:162 Resp: 23464  
 Ion Ratio Lower Upper  
 162 100  
 164 66.2 42.7 82.7  
 98 34.1 18.1 58.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 8.401 ng  
 RT: 8.18 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion:180 Resp: 28296  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 76.8 115.2  
 145 29.1 26.5 39.7





#31

Naphthalene

Concen: 8.990 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

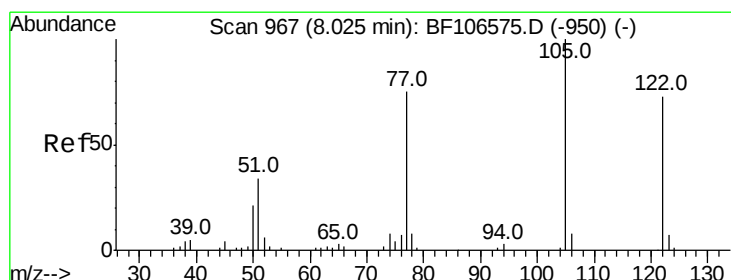
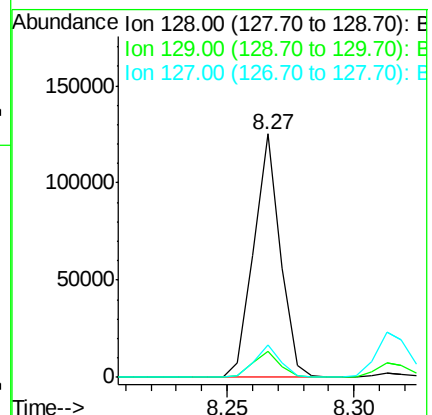
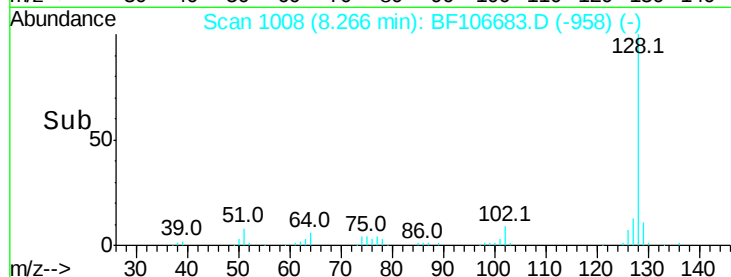
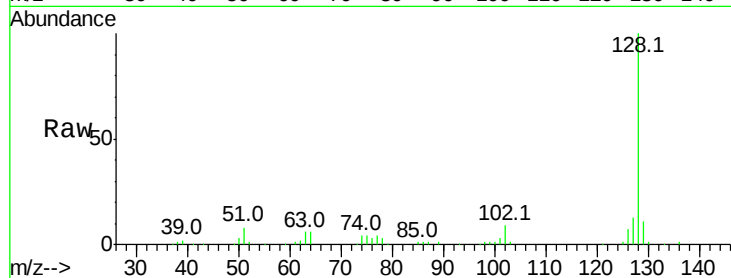
Tot Ion:128 Resp: 91562

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.1 10.9 16.3



#32

Benzoic acid

Concen: 16.372 ng

RT: 7.90 min Scan# 945

Delta R.T. -0.13 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

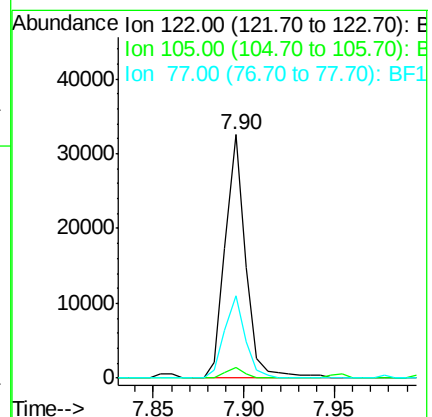
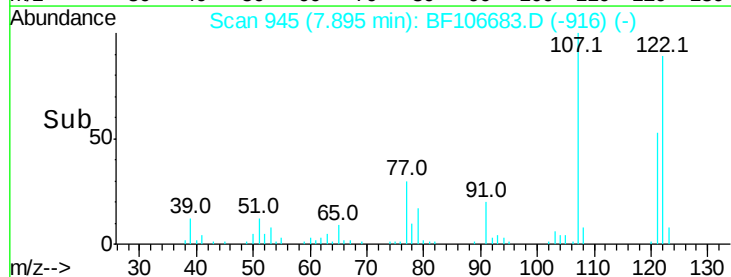
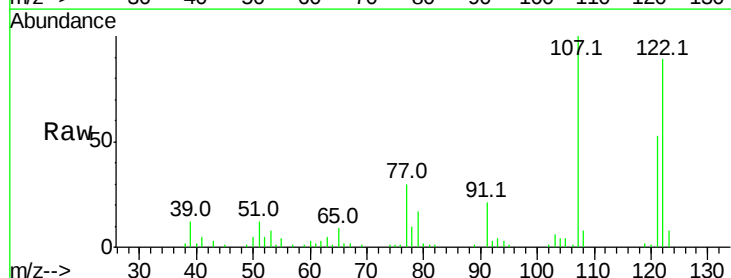
Tgt Ion:122 Resp: 25668

Ion Ratio Lower Upper

122 100

105 4.3 101.1 141.1#

77 33.7 70.7 110.7#

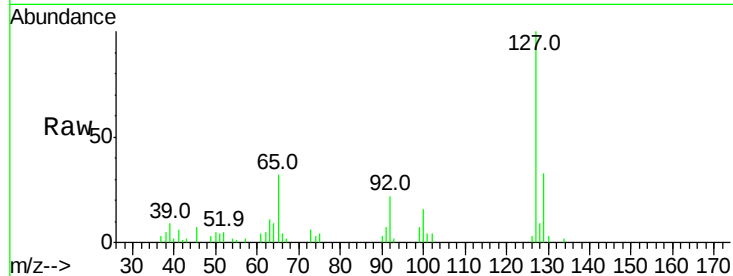




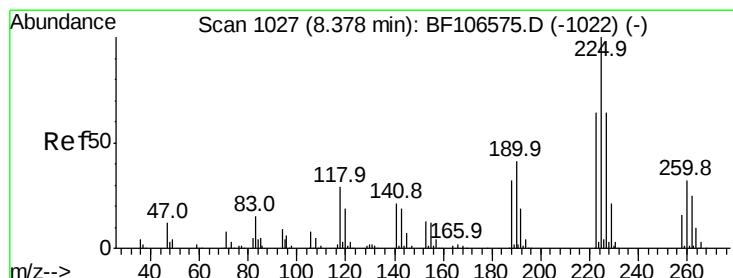
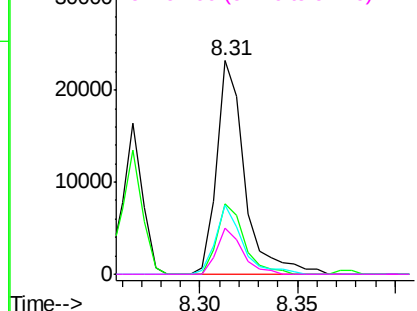
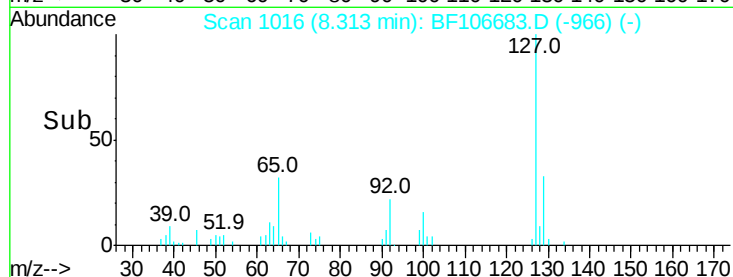
#33  
4-Chloroaniline  
Concen: 5.399 ng  
RT: 8.31 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 23075 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.0  | 25.9  | 38.9  |
| 65       | 32.3  | 25.0  | 37.4  |
| 92       | 21.5  | 15.2  | 22.8  |

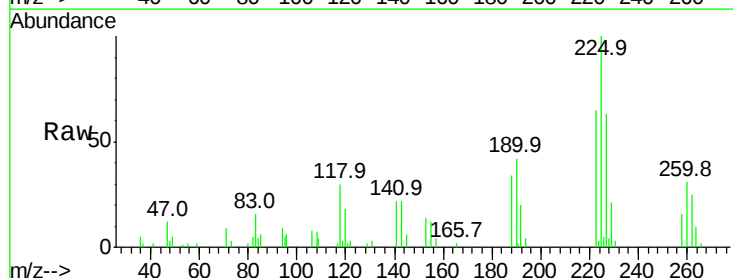


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

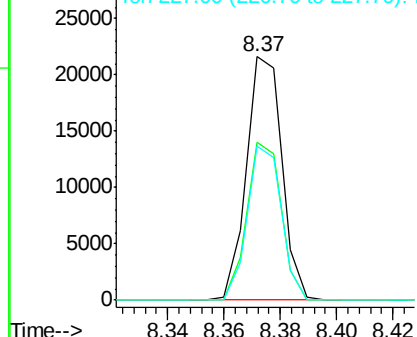
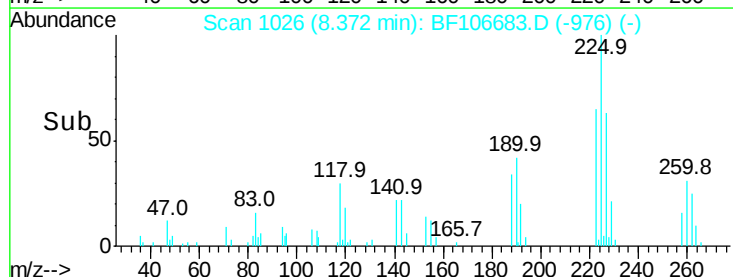


#34  
Hexachlorobutadiene  
Concen: 8.604 ng  
RT: 8.37 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 18883 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.8  | 50.6  | 76.0  |
| 227      | 63.0  | 51.9  | 77.9  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

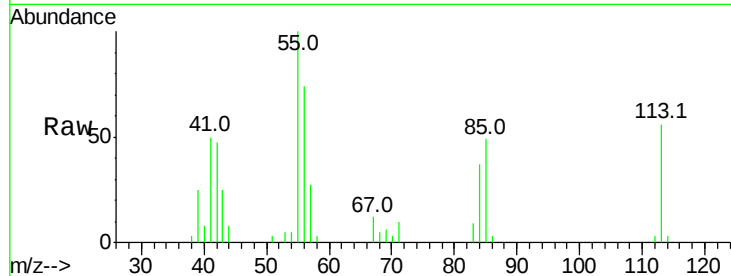




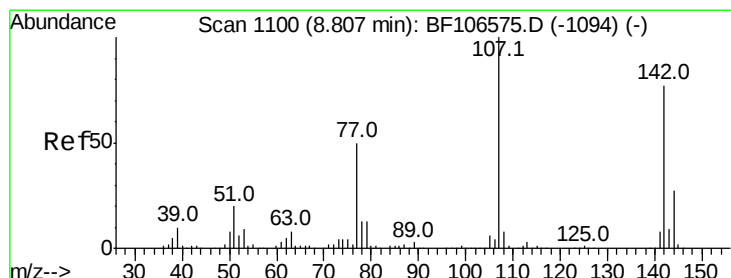
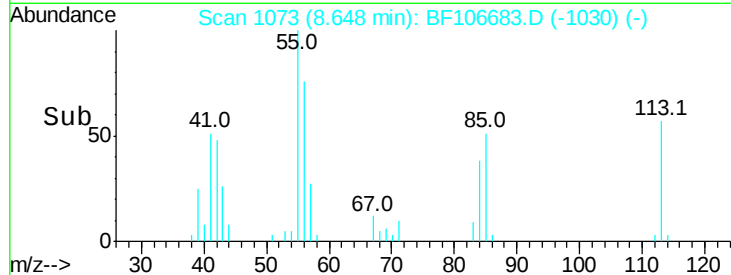
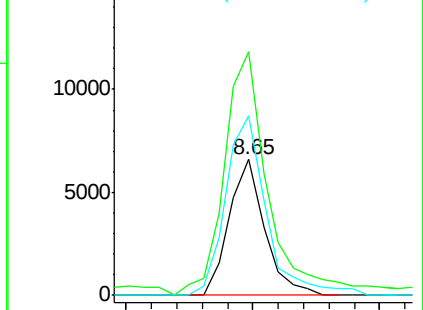
#35  
Caprolactam  
Concen: 6.448 ng  
RT: 8.65 min Scan# 1073  
Delta R.T. -0.05 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:113 Resp: 6426  
Ion Ratio Lower Upper  
113 100  
55 179.6 163.3 203.3  
56 132.3 115.7 155.7

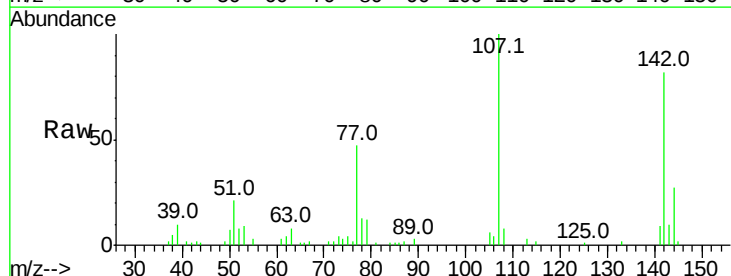


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

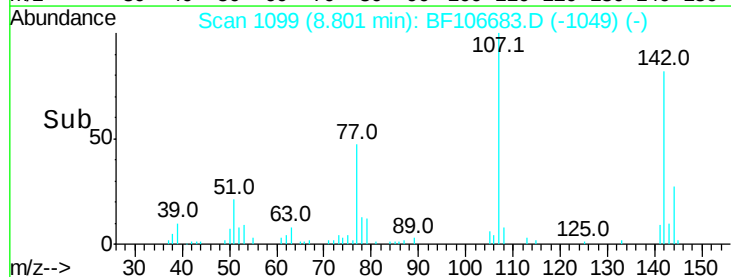
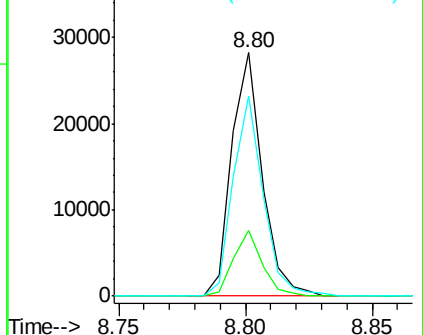


#36  
4-Chloro-3-methylphenol  
Concen: 7.339 ng  
RT: 8.80 min Scan# 1099  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:107 Resp: 23616  
Ion Ratio Lower Upper  
107 100  
144 26.9 20.5 30.7  
142 82.1 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E

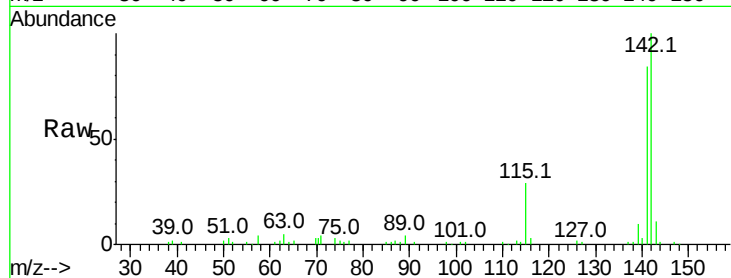




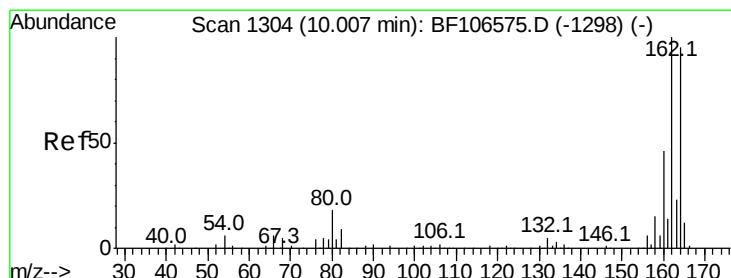
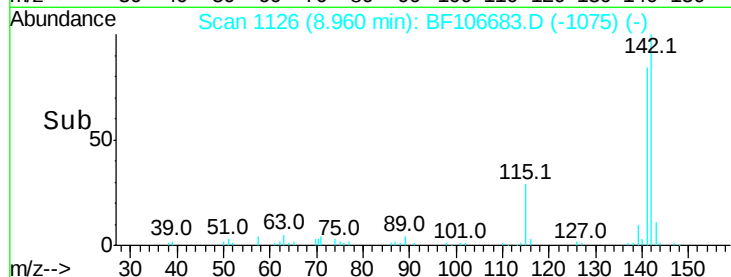
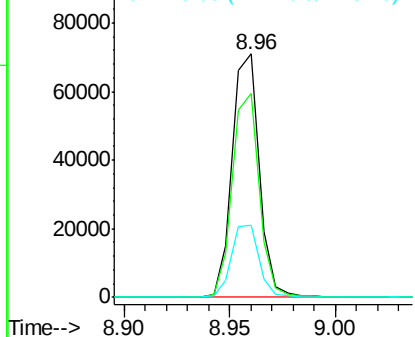
#37  
2-Methylnaphthalene  
Concen: 9.288 ng  
RT: 8.96 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:142 Resp: 62702  
Ion Ratio Lower Upper  
142 100  
141 84.0 70.8 106.2  
115 29.4 26.1 39.1

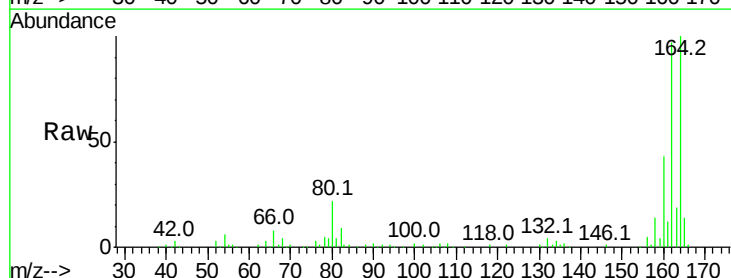


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

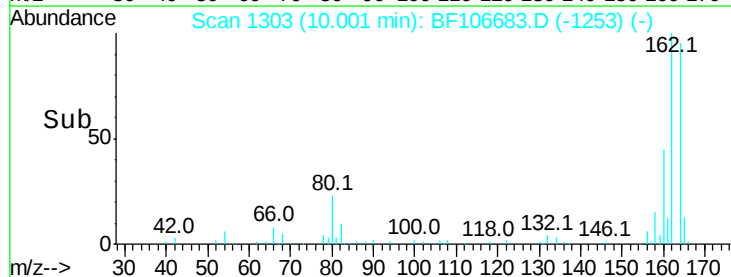
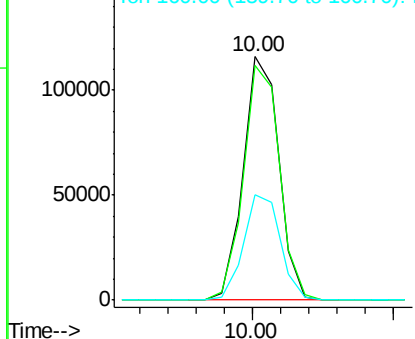


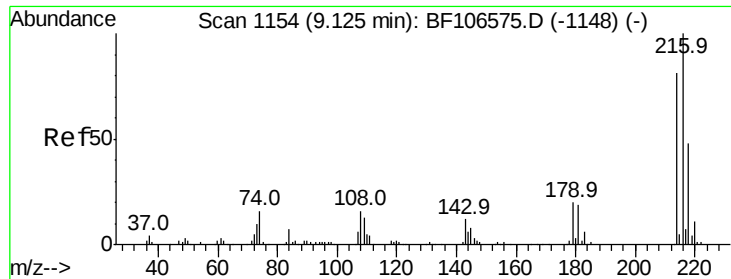
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:164 Resp: 101460  
Ion Ratio Lower Upper  
164 100  
162 96.6 86.1 129.1  
160 43.2 38.3 57.5



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

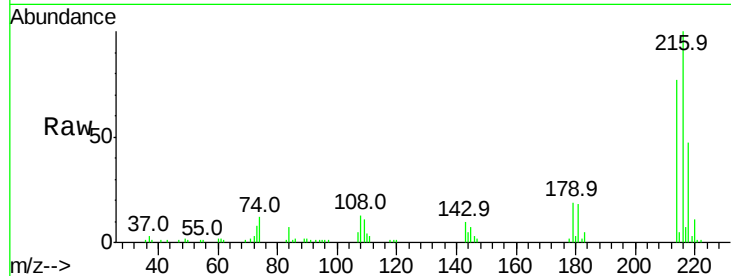




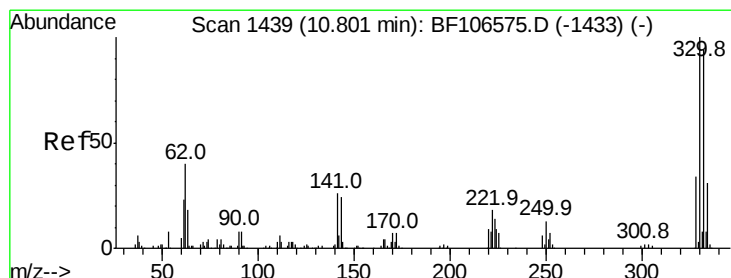
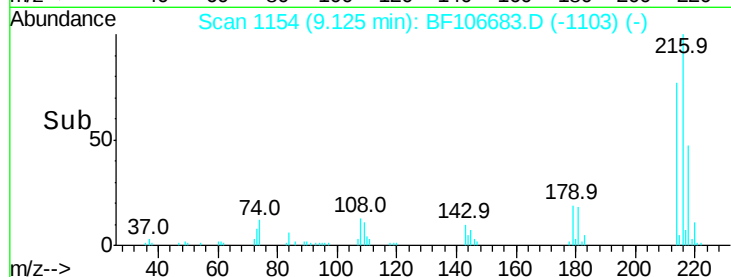
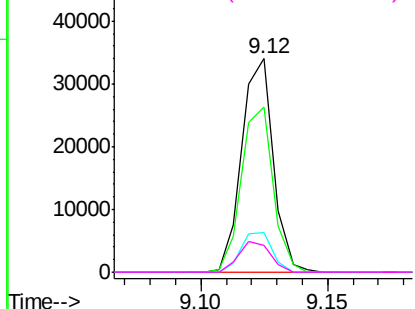
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 8.647 ng  
 RT: 9.12 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 216   | Resp: | 29547 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 77.3  | 63.0  | 94.4  |
| 179      | 18.7  | 18.1  | 27.1  |
| 108      | 14.4  | 17.2  | 25.8# |

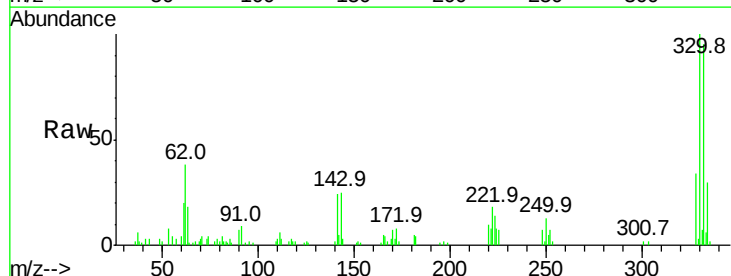


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

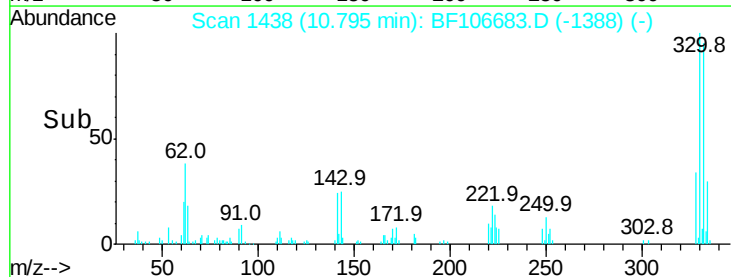
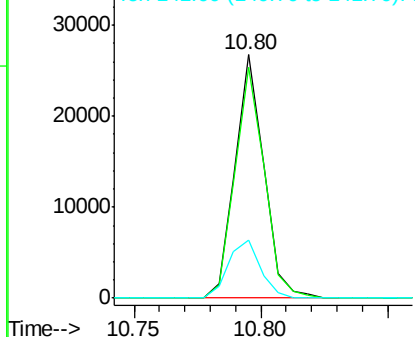


#41  
 2,4,6-Tribromophenol  
 Concen: 17.980 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 21143 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 96.3  | 77.0  | 115.6 |
| 141      | 26.6  | 29.9  | 44.9# |



Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

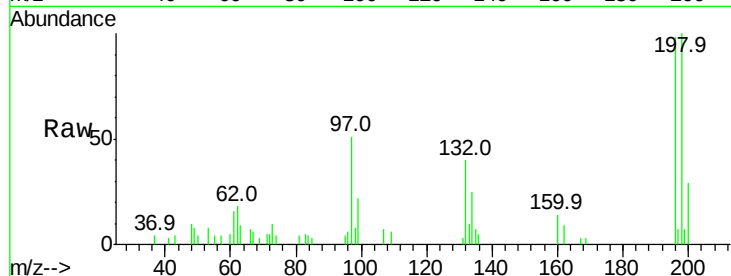




#42  
 2,4,6-Trichlorophenol  
 Concen: 3.828 ng  
 RT: 9.24 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

| Tot Ion   | 196   | Resp  | 8695  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 102.5 | 75.7  | 113.5 |
| 200       | 29.4  | 24.5  | 36.7  |

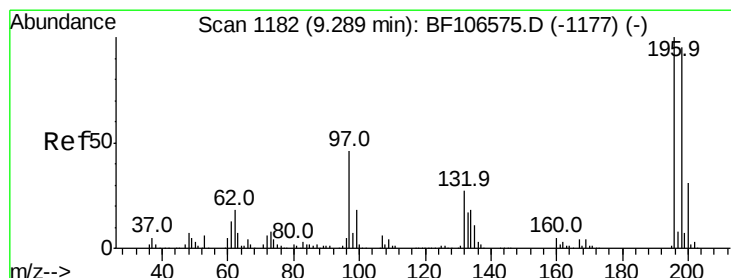
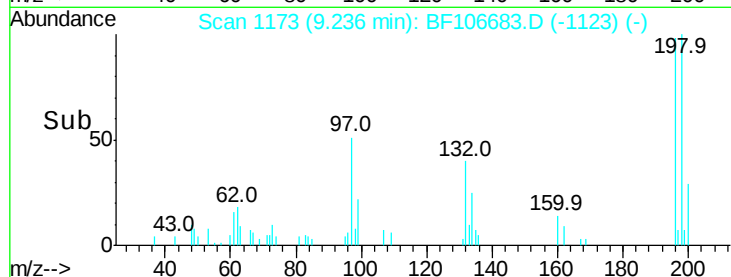
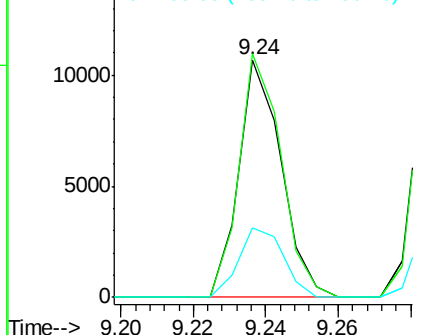


Abundance

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: 5.846 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

| Tgt Ion   | 196   | Resp  | 13856 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 98.7  | 74.6  | 112.0 |
| 97        | 41.8  | 42.9  | 64.3# |
| 132       | 24.9  | 26.3  | 39.5# |

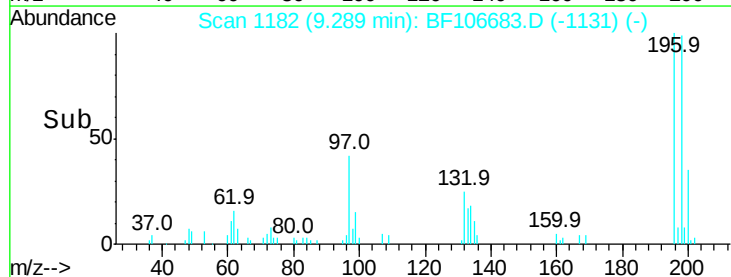
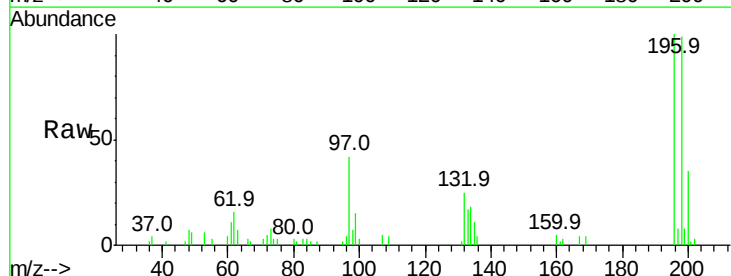
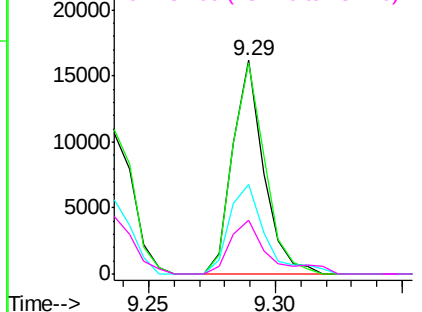
Abundance

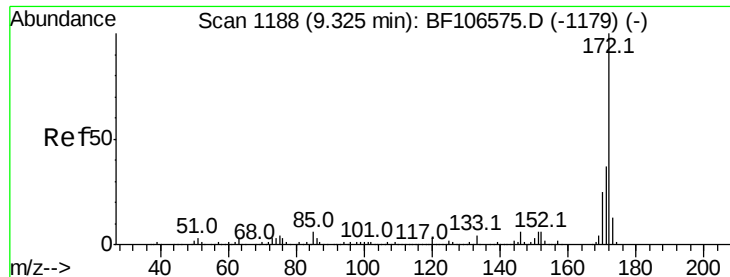
Ion 196.00 (195.70 to 196.70): E

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: 7.240 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

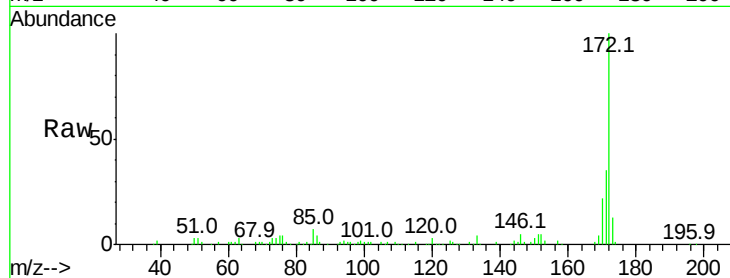
Tot Ion:172 Resp: 124291

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

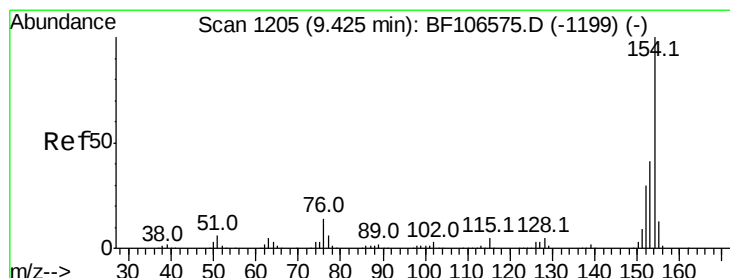
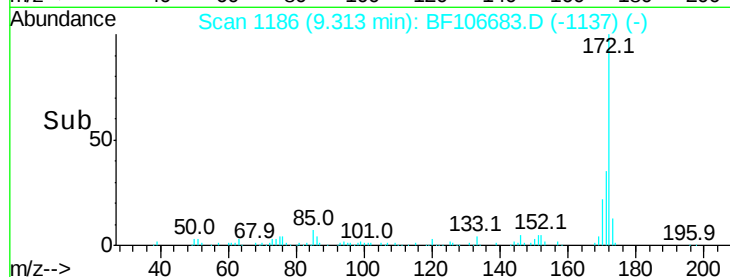
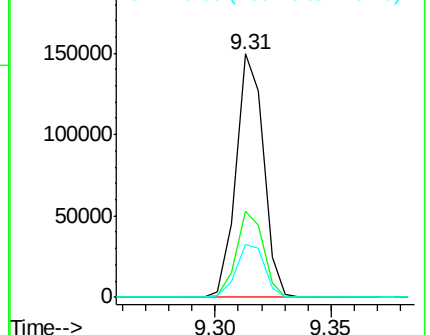
170 21.9 19.6 29.4



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: 8.704 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

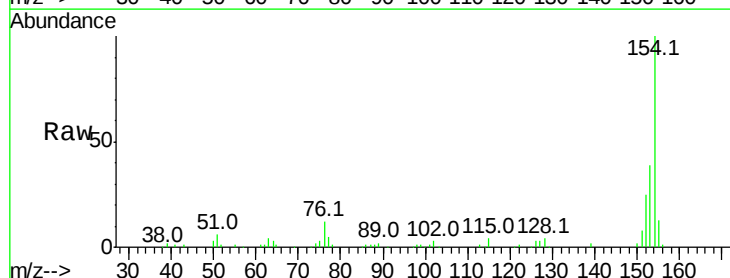
Tgt Ion:154 Resp: 70377

Ion Ratio Lower Upper

154 100

153 39.2 21.3 61.3

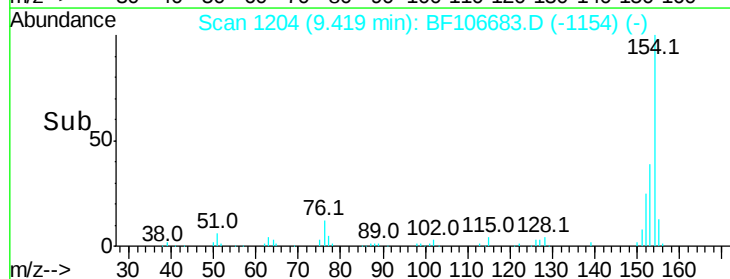
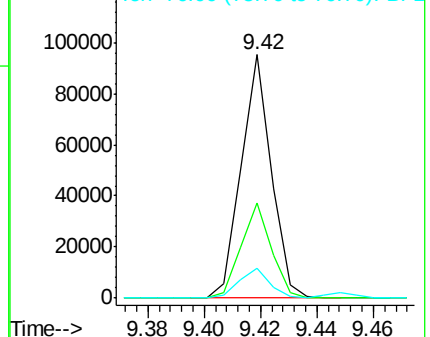
76 12.5 0.0 34.0

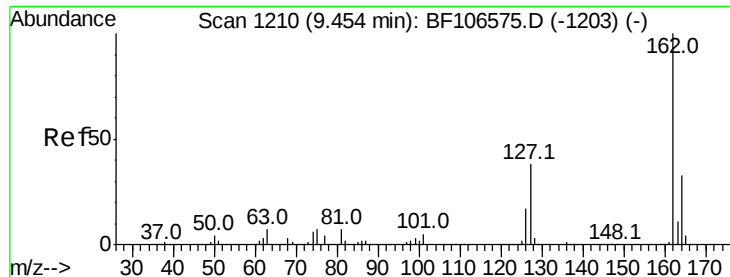


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

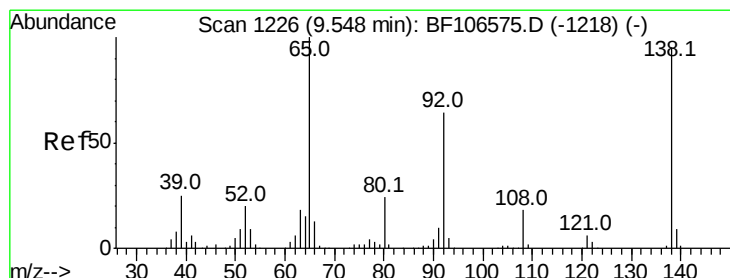
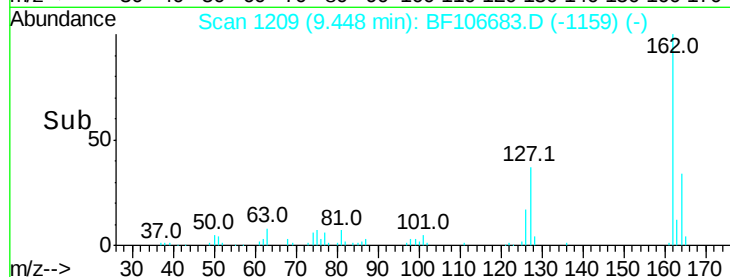
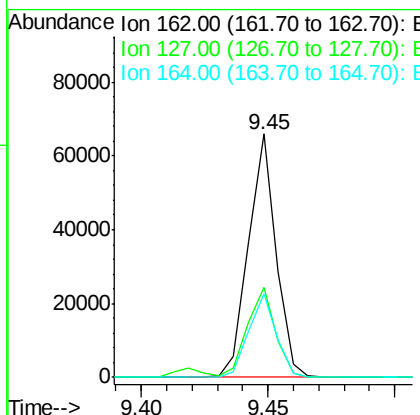
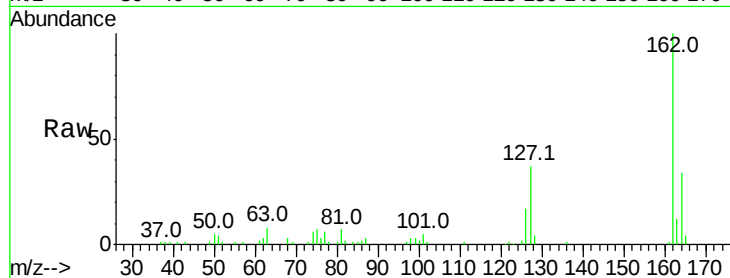




#46  
 2-Chloronaphthalene  
 Concen: 7.836 ng  
 RT: 9.45 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

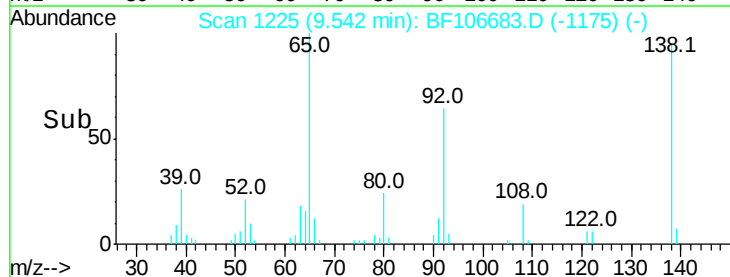
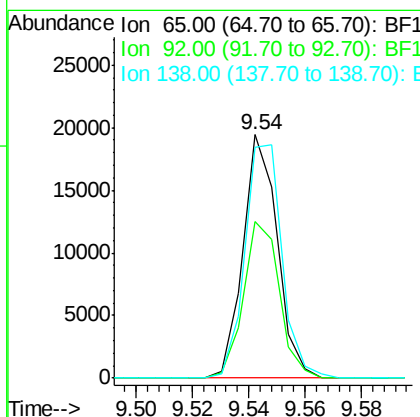
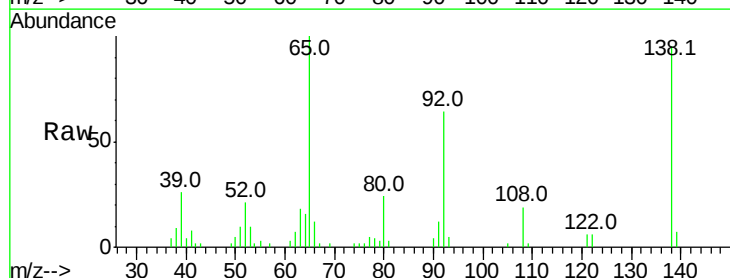
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

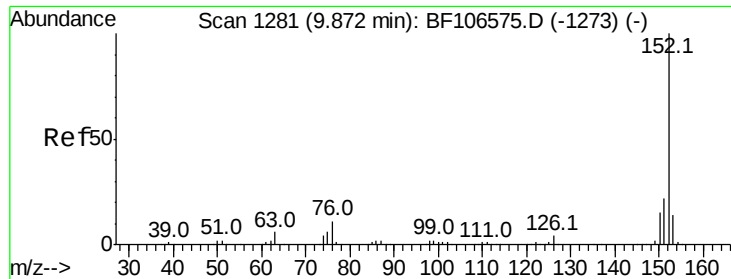
Tot Ion:162 Resp: 49871  
 Ion Ratio Lower Upper  
 162 100  
 127 37.0 33.9 50.9  
 164 34.2 26.5 39.7



#47  
 2-Nitroaniline  
 Concen: 7.643 ng  
 RT: 9.54 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion: 65 Resp: 16358  
 Ion Ratio Lower Upper  
 65 100  
 92 64.2 55.8 83.6  
 138 95.0 91.2 136.8





#48

Acenaphthylene

Concen: 7.901 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

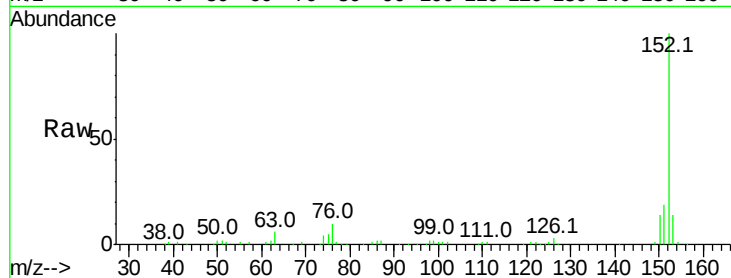
Tot Ion:152 Resp: 79399

Ion Ratio Lower Upper

152 100

151 19.3 16.3 24.5

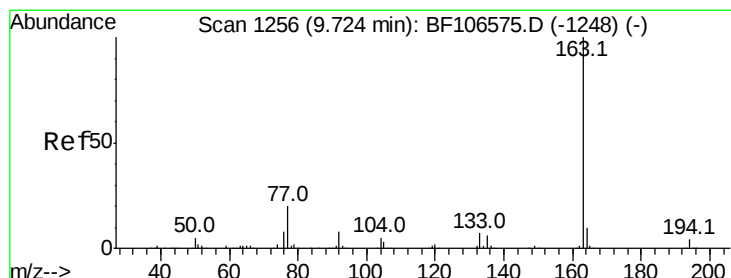
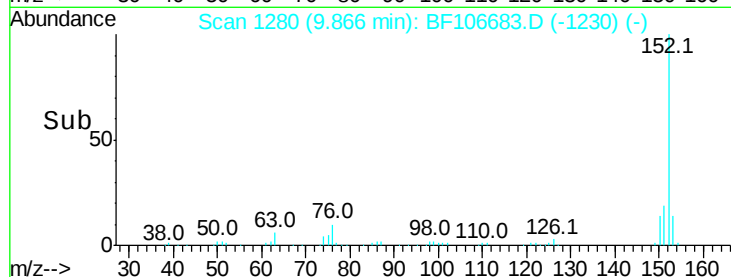
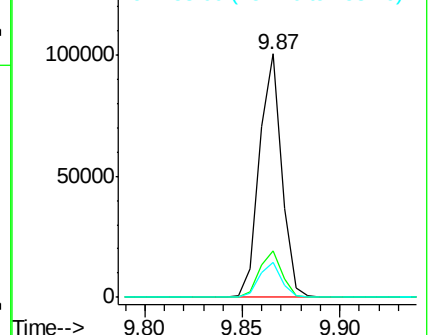
153 14.1 10.7 16.1



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: 10.396 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

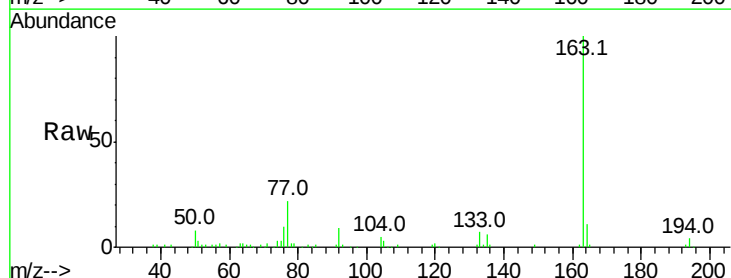
Tgt Ion:163 Resp: 79111

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

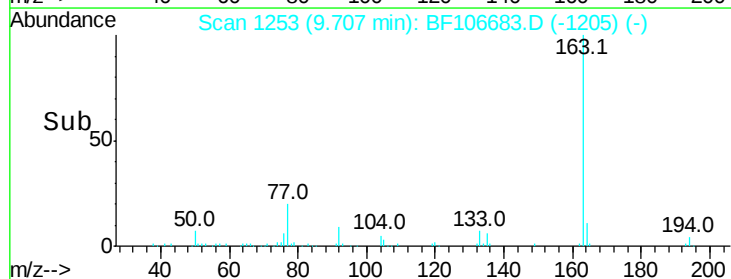
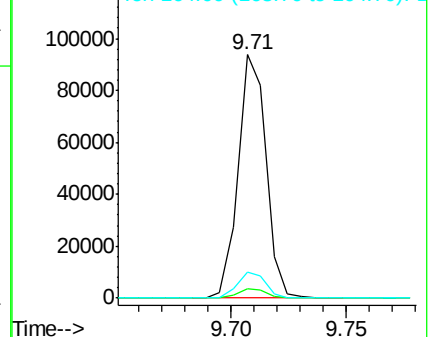
164 10.9 8.2 12.2

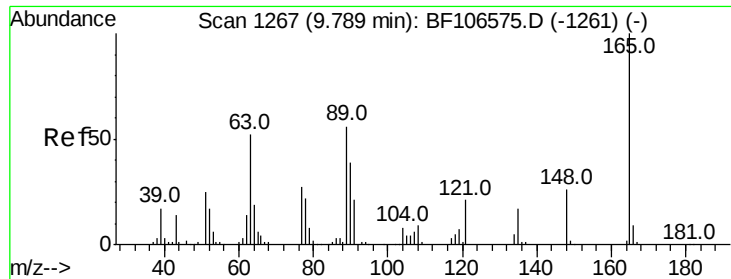


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

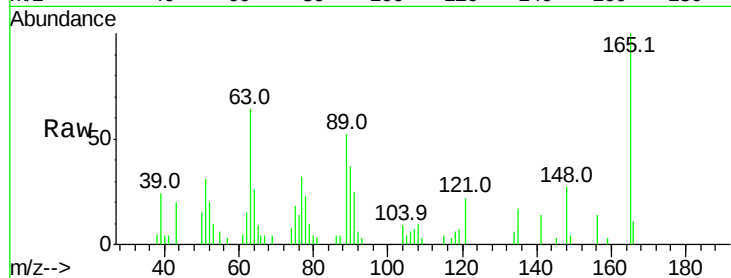




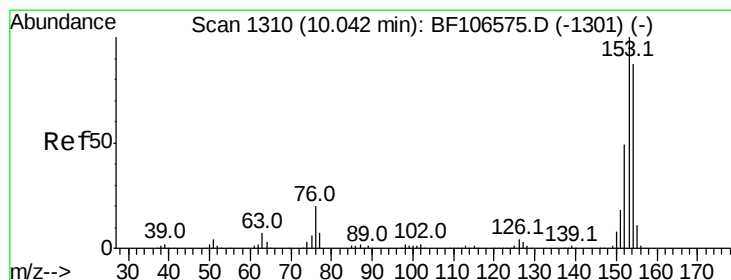
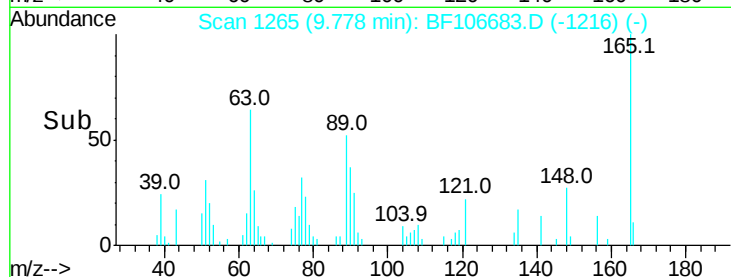
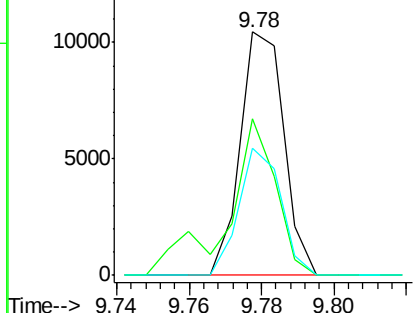
#50  
2,6-Dinitrotoluene  
Concen: 5.477 ng  
RT: 9.78 min Scan# 1265  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:165 Resp: 8826  
Ion Ratio Lower Upper  
165 100  
63 64.3 44.7 67.1  
89 52.1 44.0 66.0

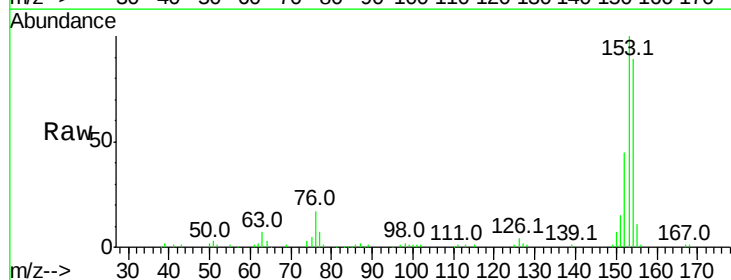


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

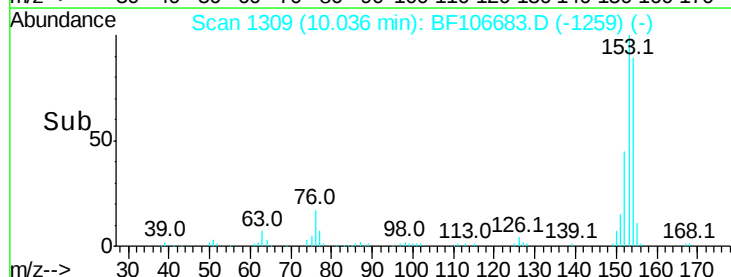
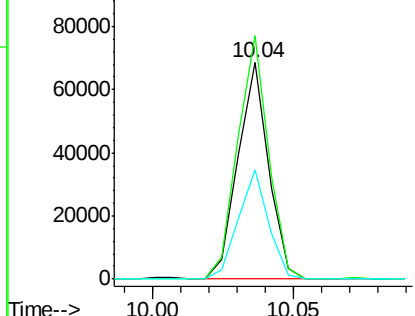


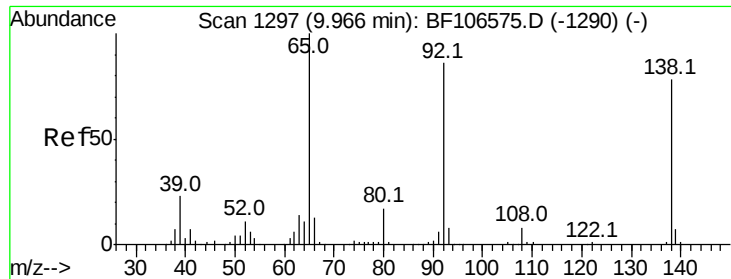
#51  
Acenaphthene  
Concen: 8.175 ng  
RT: 10.04 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:154 Resp: 51727  
Ion Ratio Lower Upper  
154 100  
153 112.6 91.2 136.8  
152 50.3 43.8 65.8



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

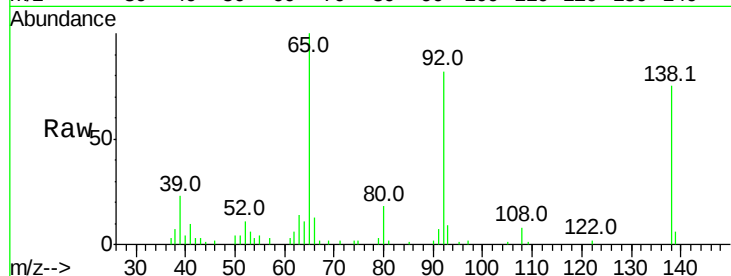




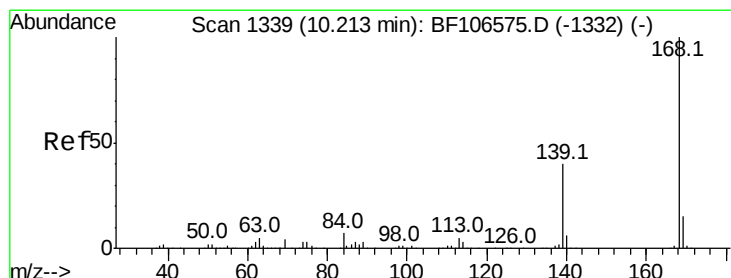
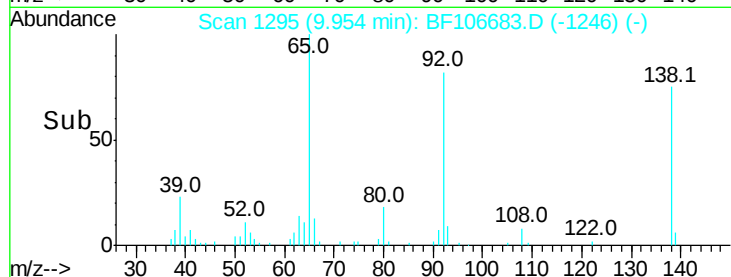
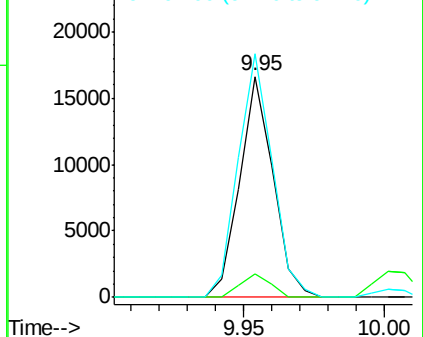
#52  
3-Nitroaniline  
Concen: 7.397 ng  
RT: 9.95 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:138 Resp: 13716  
Ion Ratio Lower Upper  
138 100  
108 10.6 9.4 14.0  
92 110.1 89.4 134.2

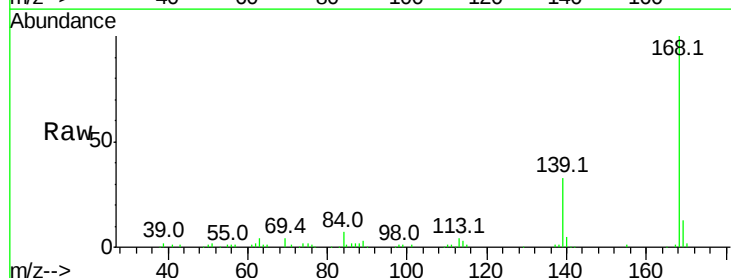


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

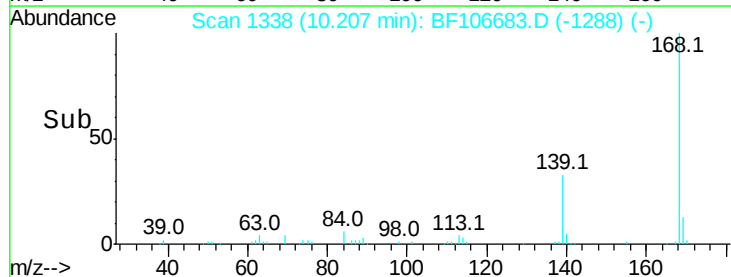
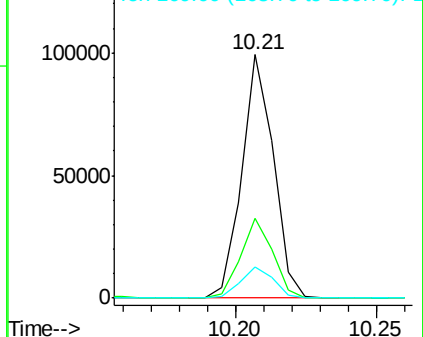


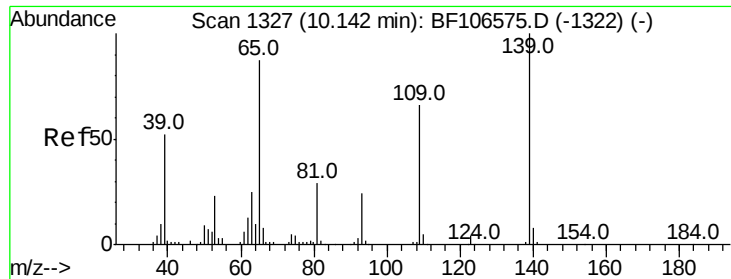
#54  
Dibenzofuran  
Concen: 8.892 ng  
RT: 10.21 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:168 Resp: 77042  
Ion Ratio Lower Upper  
168 100  
139 32.8 30.1 45.1  
169 12.9 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

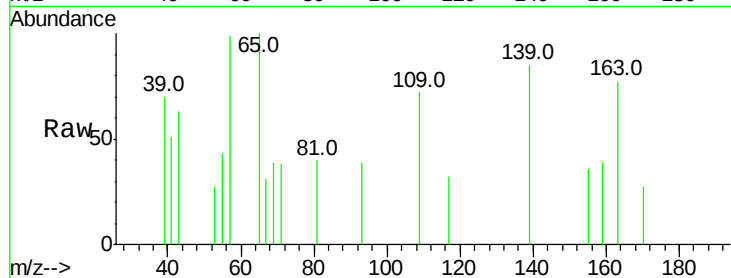




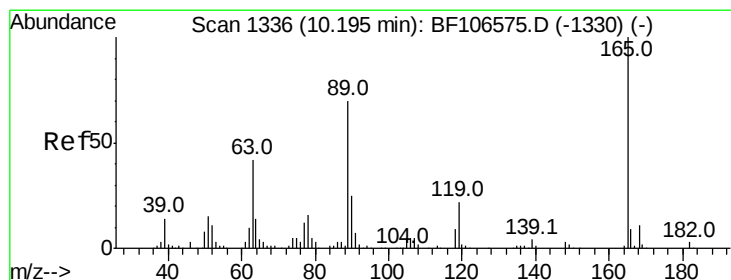
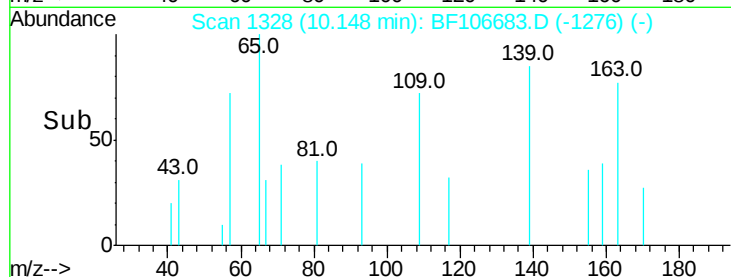
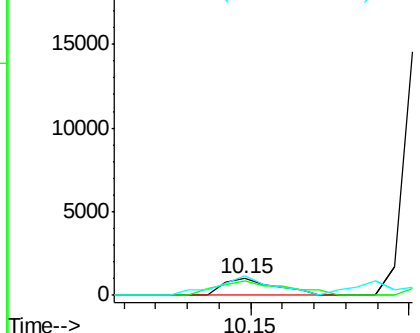
#55  
4-Nitrophenol  
Concen: 0.902 ng  
RT: 10.15 min Scan# 1328  
Delta R.T. 0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:139 Resp: 1168  
Ion Ratio Lower Upper  
139 100  
109 84.6 48.4 88.4  
65 117.5 72.6 112.6#

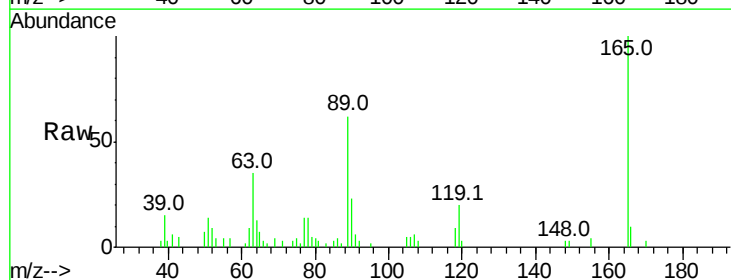


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

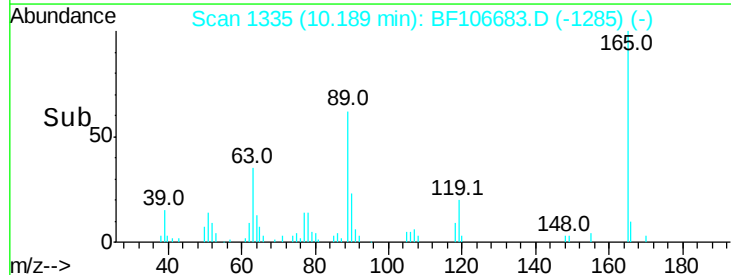
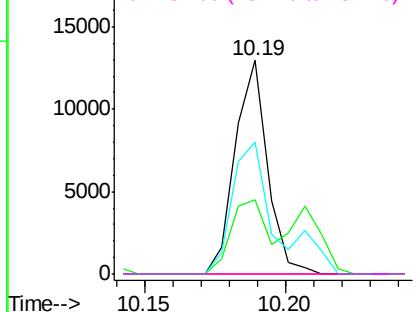


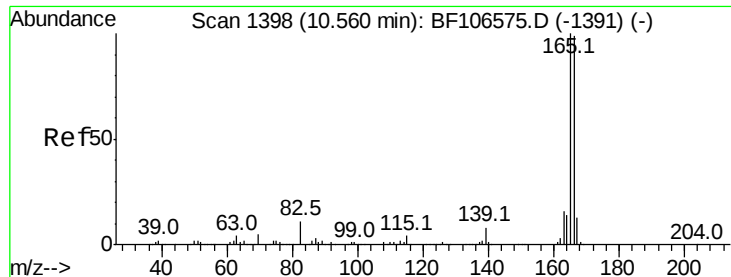
#56  
2,4-Dinitrotoluene  
Concen: 4.901 ng  
RT: 10.19 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:165 Resp: 10309  
Ion Ratio Lower Upper  
165 100  
63 34.8 36.4 54.6#  
89 61.9 57.8 86.6  
182 0.0 1.6 2.4#



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

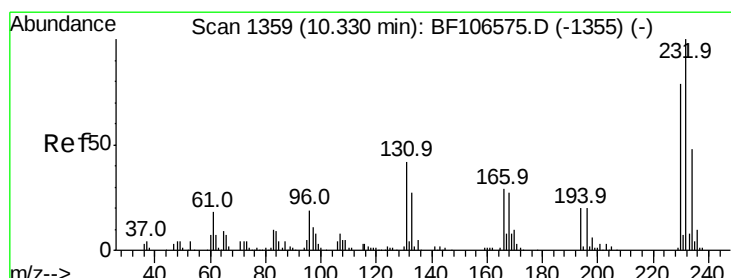
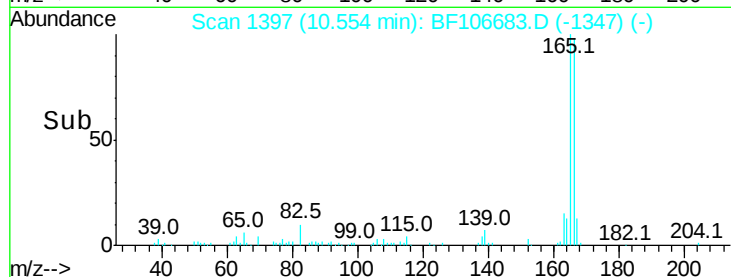
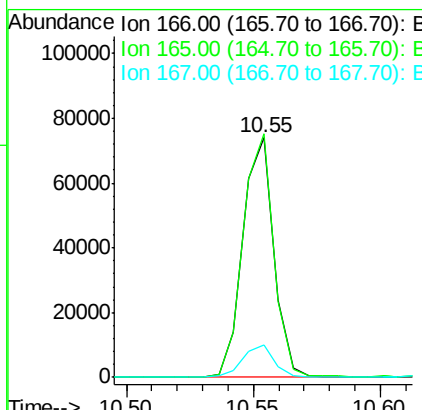
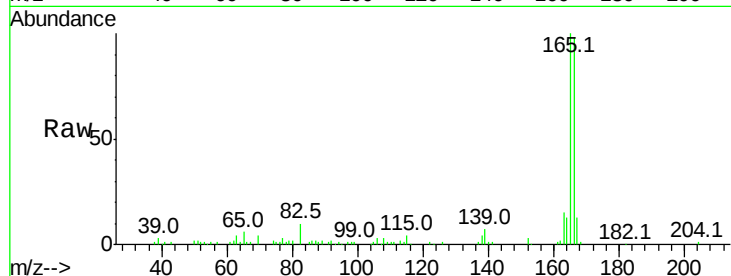




#57  
 Fluorene  
 Concen: 9.116 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

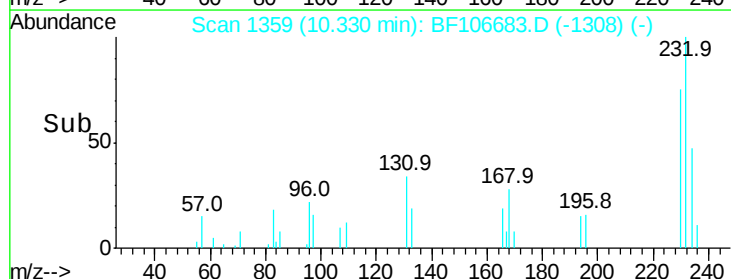
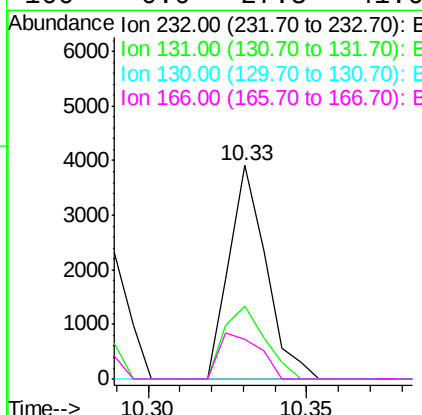
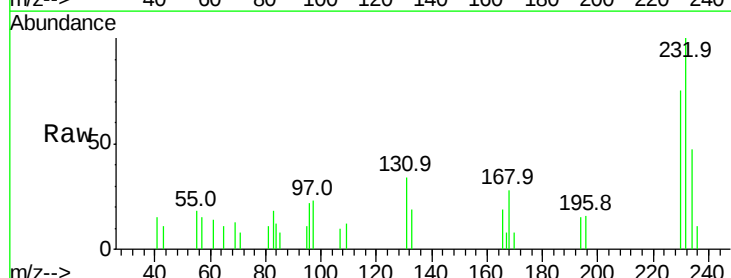
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

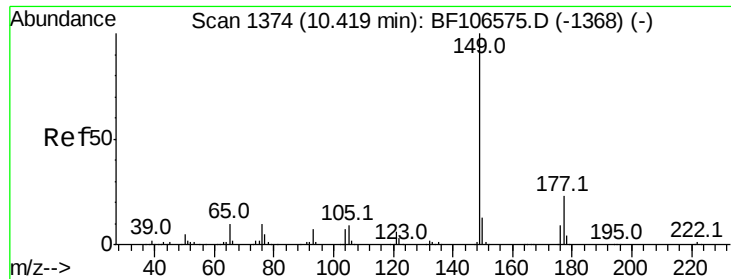
Tot Ion:166 Resp: 62678  
 Ion Ratio Lower Upper  
 166 100  
 165 101.7 79.8 119.8  
 167 13.6 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 1.678 ng  
 RT: 10.33 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion:232 Resp: 3161  
 Ion Ratio Lower Upper  
 232 100  
 131 37.8 43.8 65.8#  
 130 0.0 2.1 3.1#  
 166 0.0 27.8 41.6#

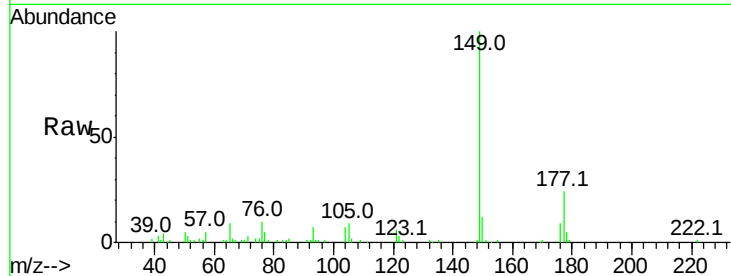




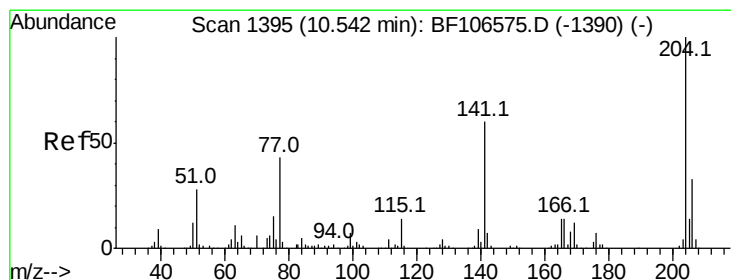
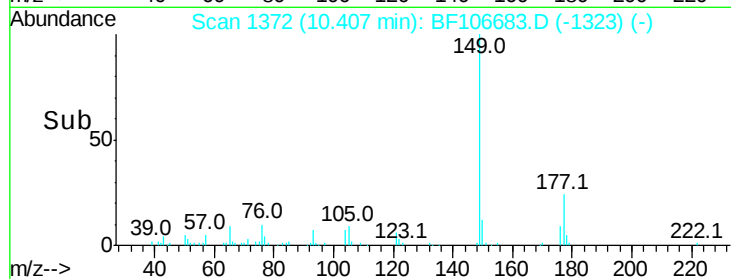
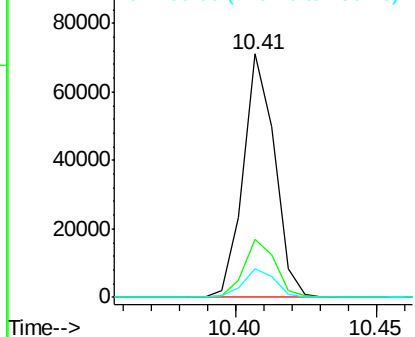
#59  
Diethylphthalate  
Concen: 7.466 ng  
RT: 10.41 min Scan# 1372  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:149 Resp: 54833  
Ion Ratio Lower Upper  
149 100  
177 23.6 16.1 24.1  
150 11.8 10.1 15.1

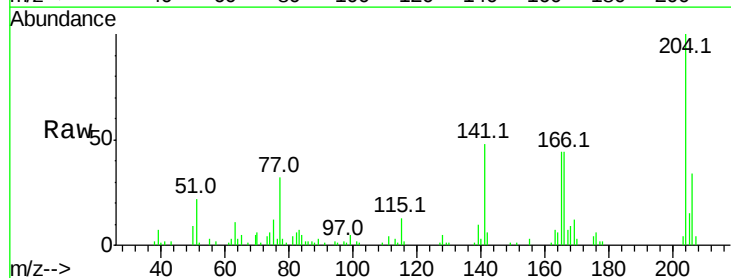


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

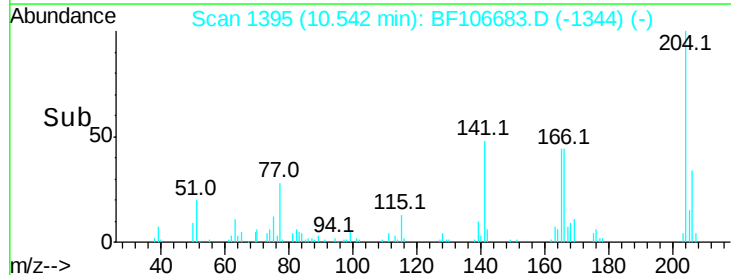
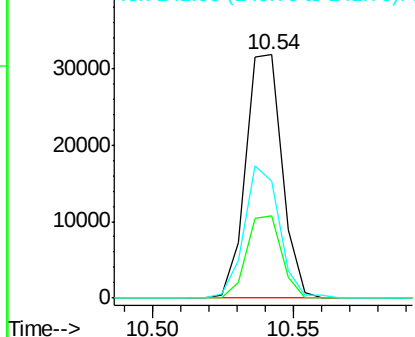


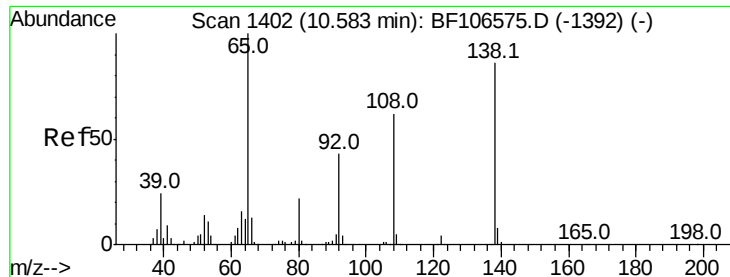
#60  
4-Chlorophenyl-phenylether  
Concen: 7.920 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:204 Resp: 28491  
Ion Ratio Lower Upper  
204 100  
206 34.0 26.5 39.7  
141 48.2 54.6 81.8#



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

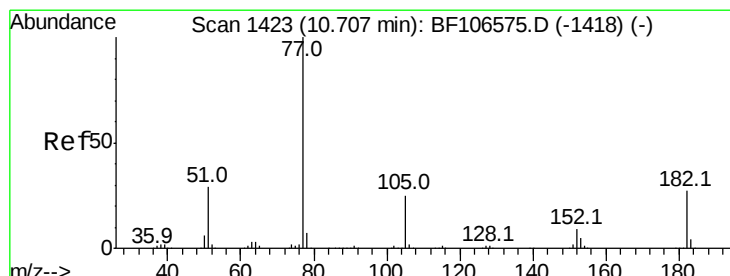
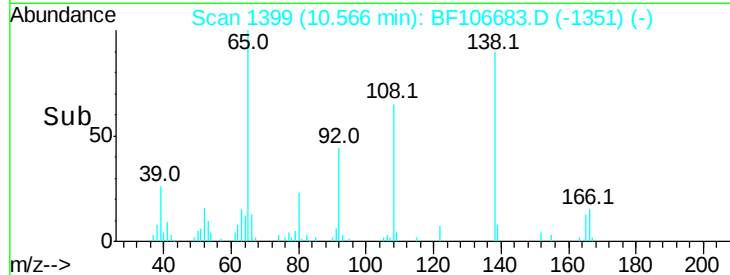
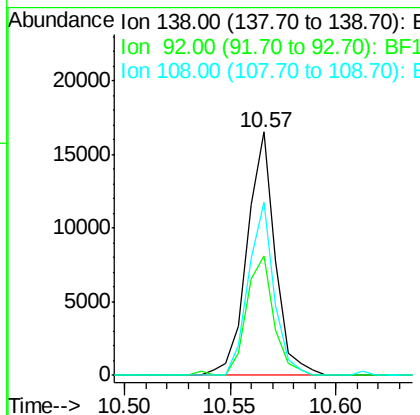
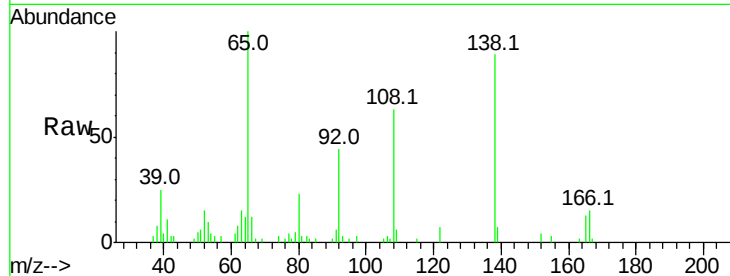




#61  
 4-Nitroaniline  
 Concen: 8.252 ng  
 RT: 10.57 min Scan# 1399  
 Delta R.T. -0.02 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

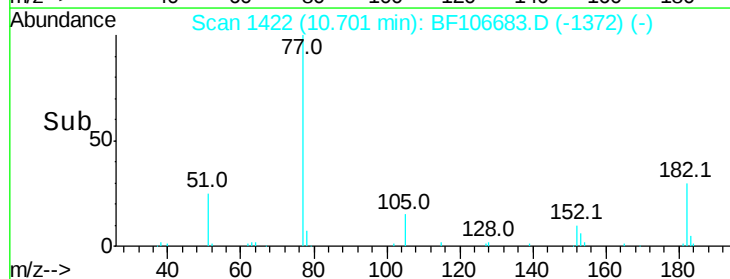
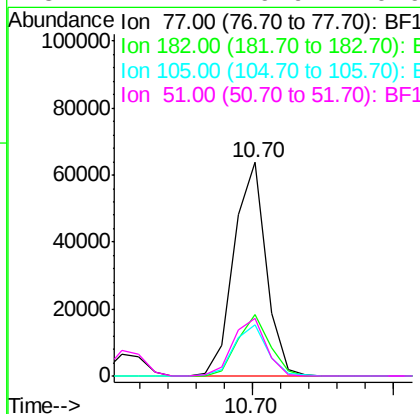
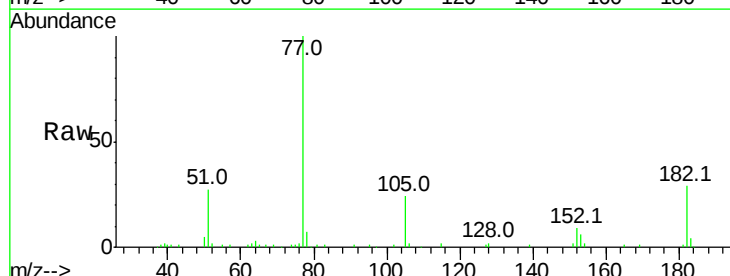
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

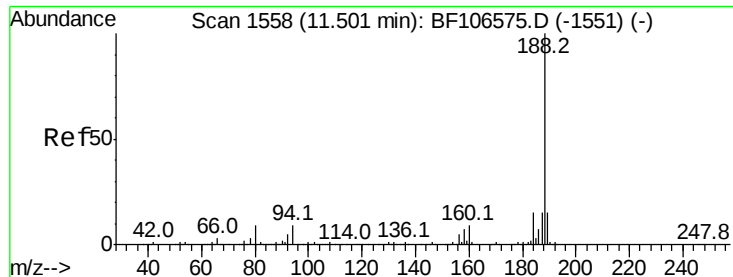
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 138   | Resp: | 15186 |
| Ion      | Ratio | Lower | Upper |
| 138      | 100   |       |       |
| 92       | 49.0  | 30.2  | 70.2  |
| 108      | 71.4  | 52.5  | 92.5  |



#62  
 Azobenzene  
 Concen: 6.963 ng  
 RT: 10.70 min Scan# 1422  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 50363 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 28.7  | 1.7   | 41.7  |
| 105      | 23.9  | 3.0   | 43.0  |
| 51       | 27.2  | 9.9   | 49.9  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

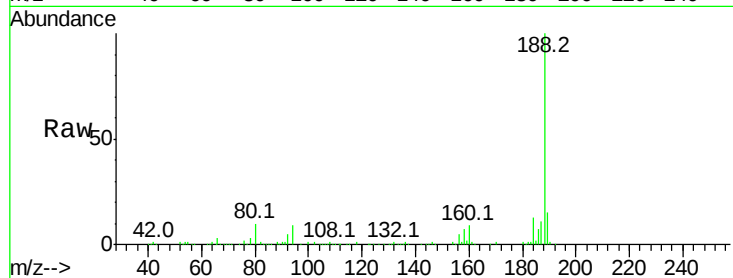
Tot Ion:188 Resp: 201628

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

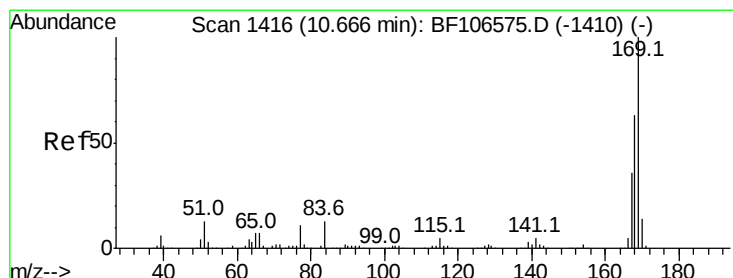
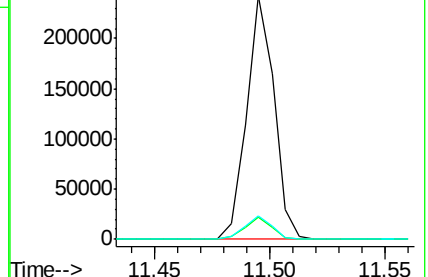
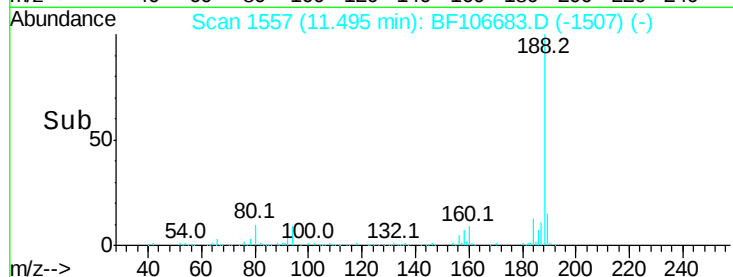
80 9.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 7.239 ng

RT: 10.66 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

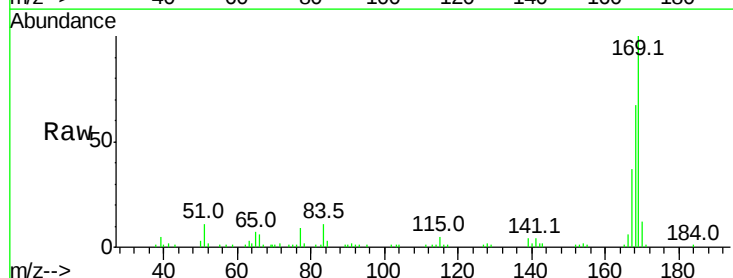
Tgt Ion:169 Resp: 49094

Ion Ratio Lower Upper

169 100

168 67.0 54.4 81.6

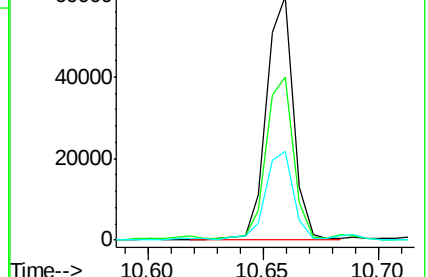
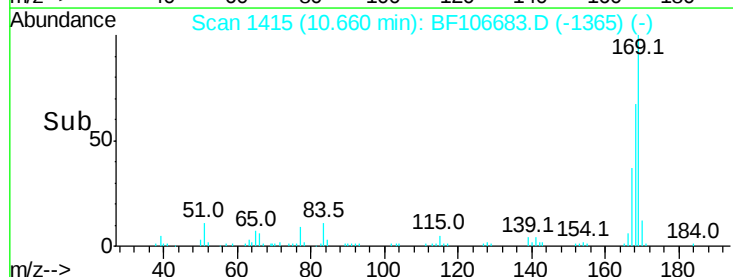
167 36.7 29.8 44.6

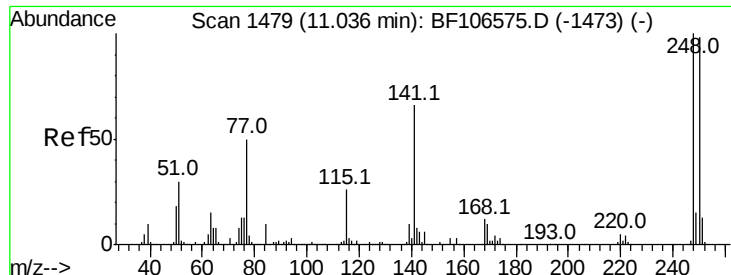


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

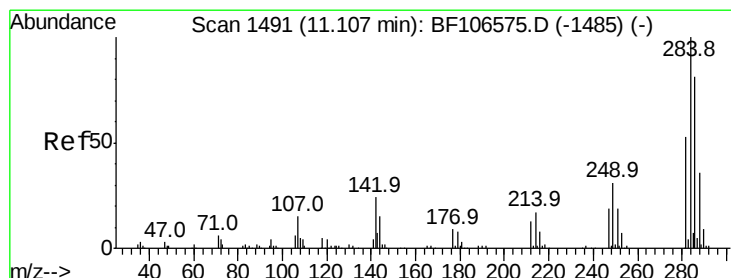
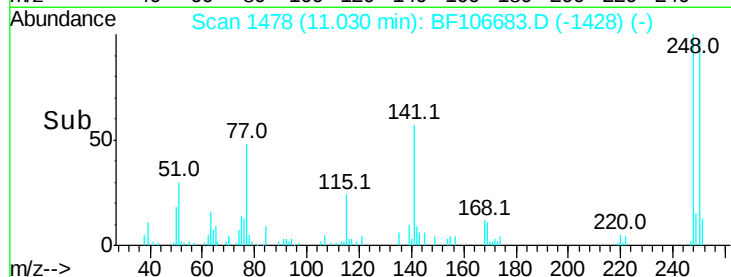
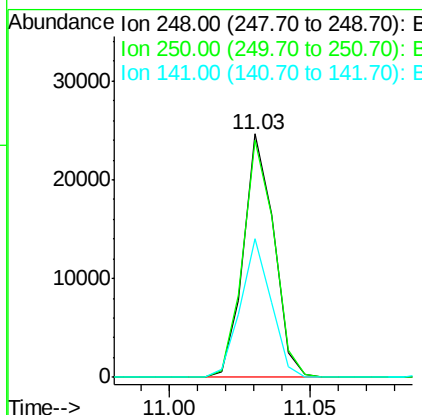
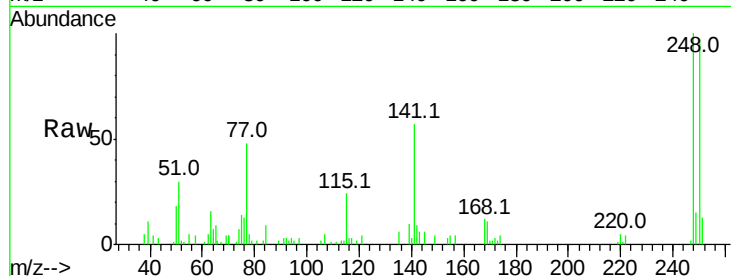




#66  
 4-Bromophenyl-phenylether  
 Concen: 7.699 ng  
 RT: 11.03 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

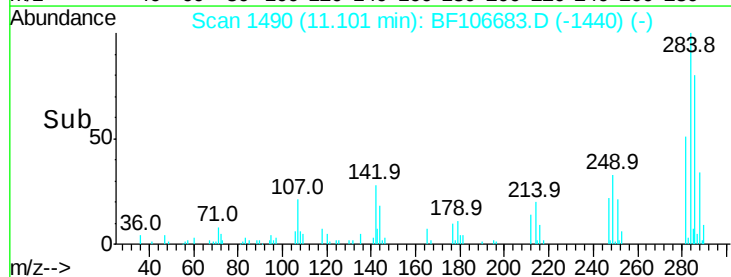
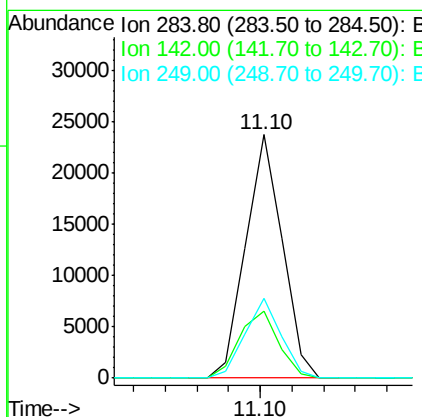
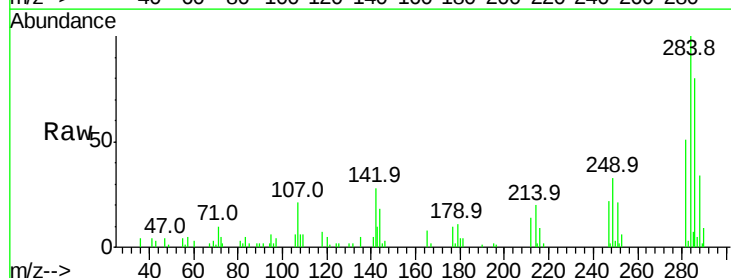
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

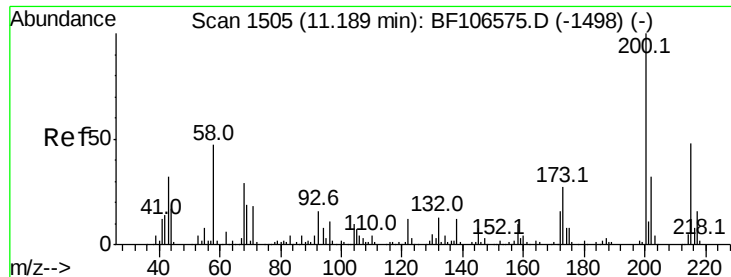
Tot Ion:248 Resp: 18526  
 Ion Ratio Lower Upper  
 248 100  
 250 97.3 76.9 115.3  
 141 57.2 74.4 111.6#



#67  
 Hexachlorobenzene  
 Concen: 7.548 ng  
 RT: 11.10 min Scan# 1490  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion:284 Resp: 19009  
 Ion Ratio Lower Upper  
 284 100  
 142 27.6 34.6 52.0#  
 249 32.7 24.8 37.2

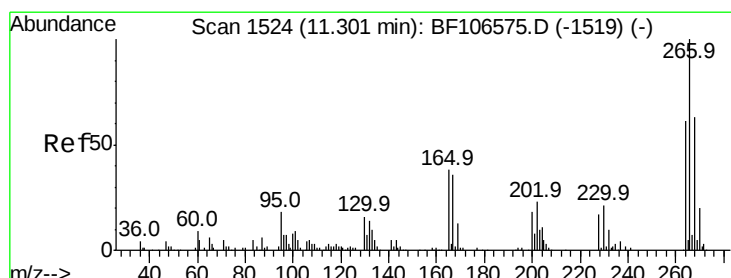
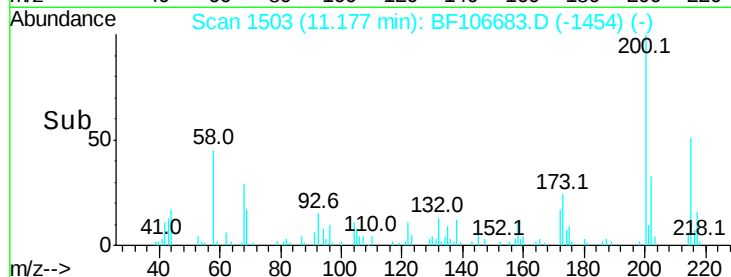
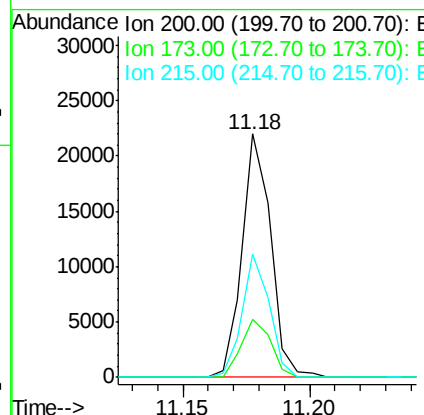
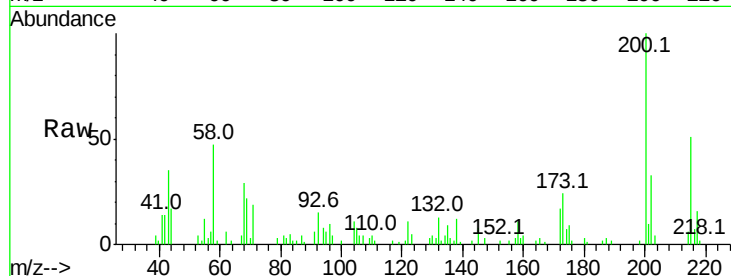




#68  
Atrazine  
Concen: 7.986 ng  
RT: 11.18 min Scan# 1503  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

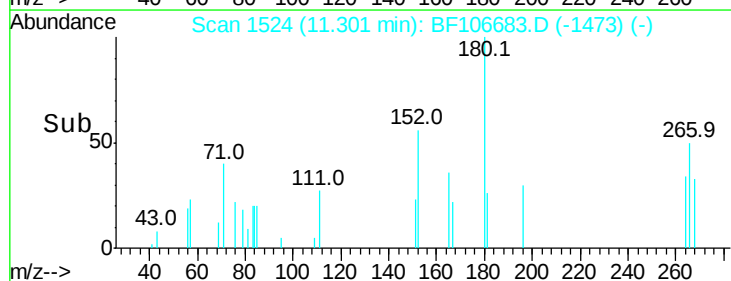
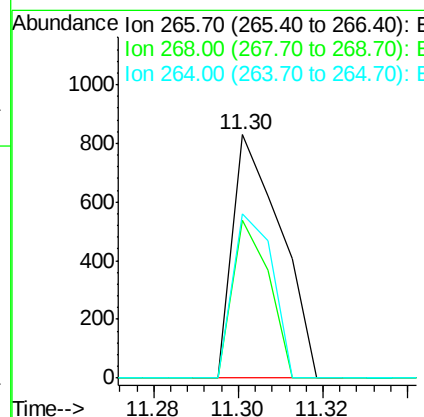
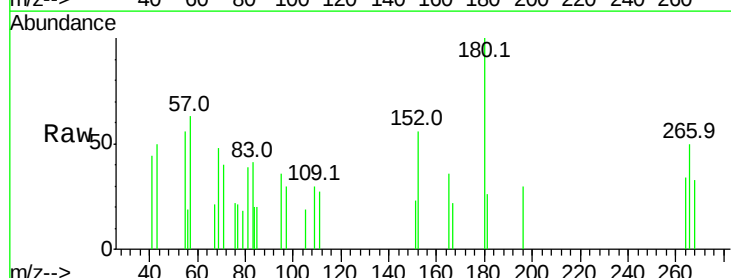
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

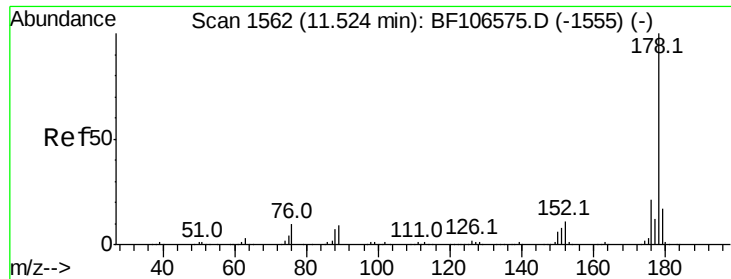
Tot Ion:200 Resp: 17217  
Ion Ratio Lower Upper  
200 100  
173 24.0 8.6 48.6  
215 50.7 25.1 65.1



#69  
Pentachlorophenol  
Concen: 0.521 ng  
RT: 11.30 min Scan# 1524  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:266 Resp: 655  
Ion Ratio Lower Upper  
266 100  
268 64.6 51.1 76.7  
264 67.3 49.5 74.3

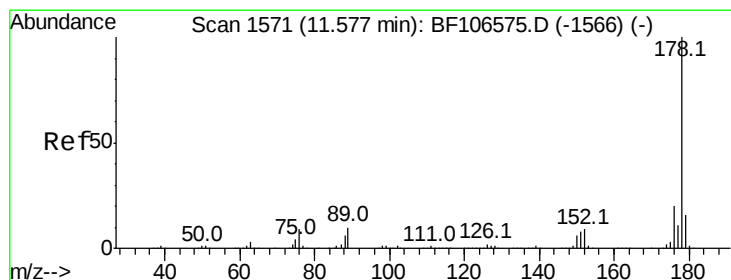
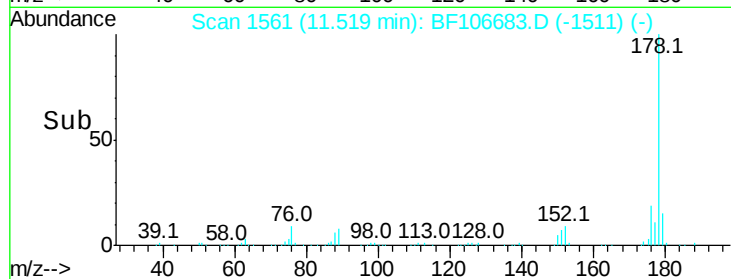
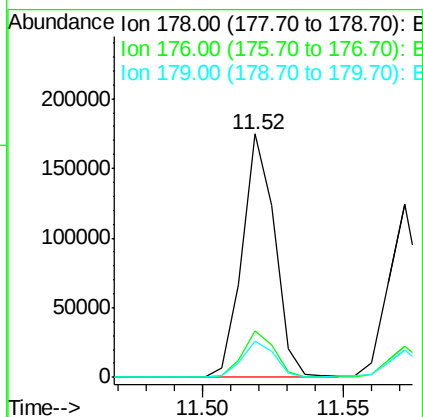
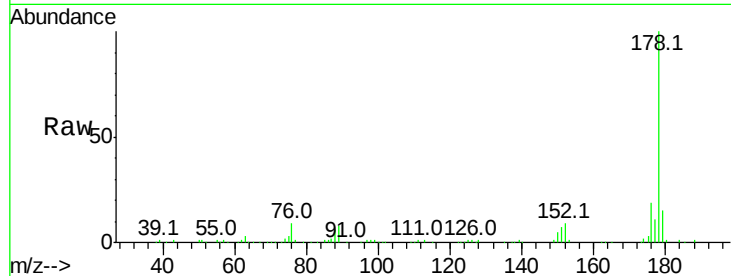




#70  
Phenanthrene  
Concen: 14.341 ng  
RT: 11.52 min Scan# 1561  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

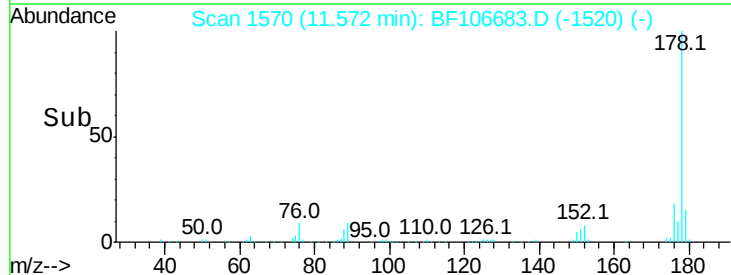
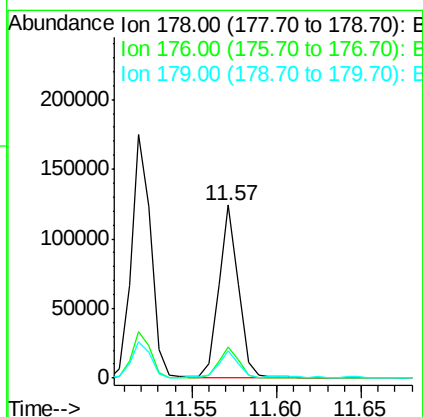
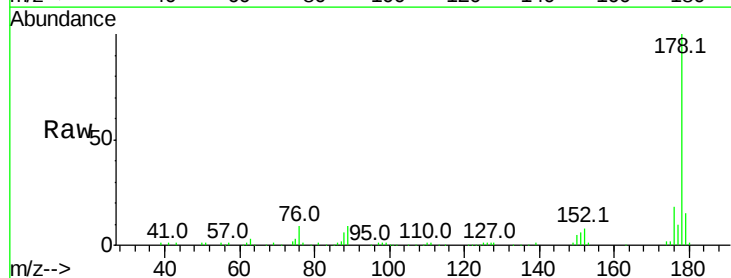
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

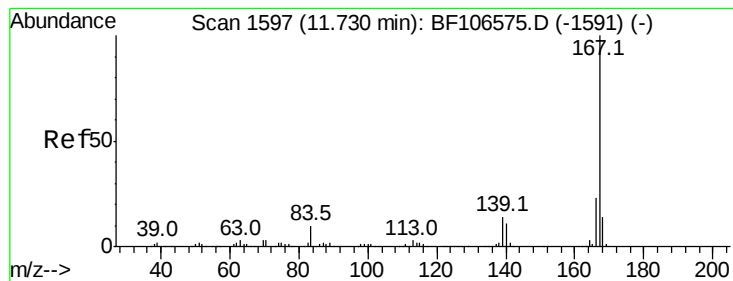
Tot Ion:178 Resp: 139469  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.8 23.8  
179 15.0 13.0 19.6



#71  
Anthracene  
Concen: 10.100 ng  
RT: 11.57 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:178 Resp: 100252  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.2  
179 15.5 12.6 19.0





#72

Carbazole

Concen: 8.698 ng

RT: 11.73 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

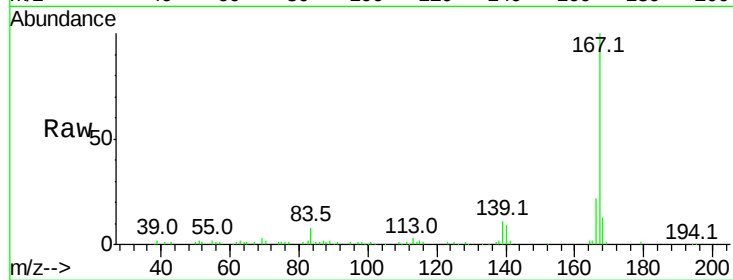
Tot Ion:167 Resp: 80836

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

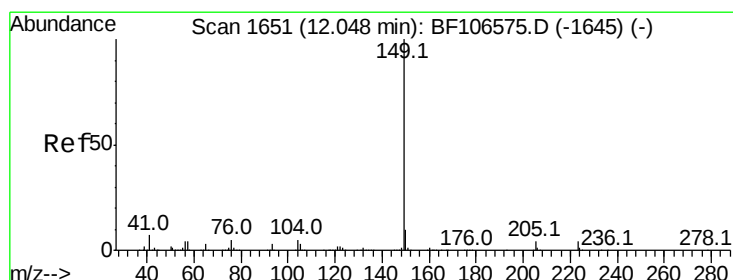
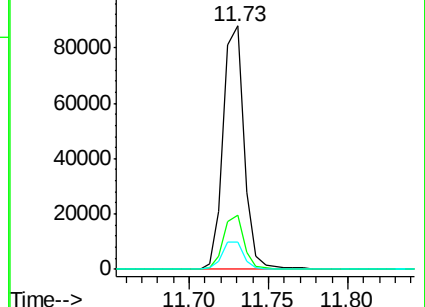
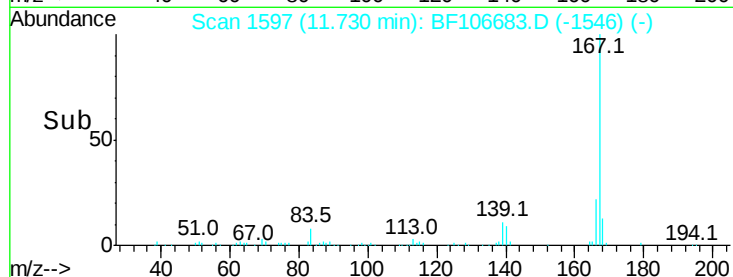
139 11.0 10.9 16.3



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: 7.874 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

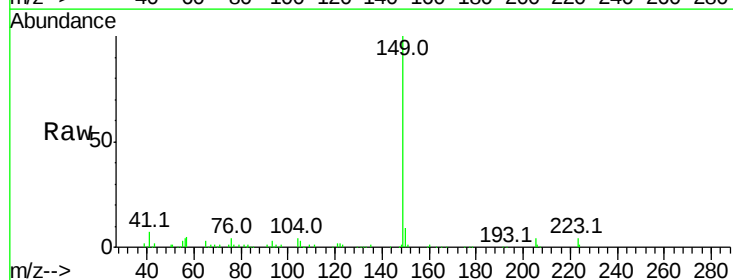
Tgt Ion:149 Resp: 86209

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

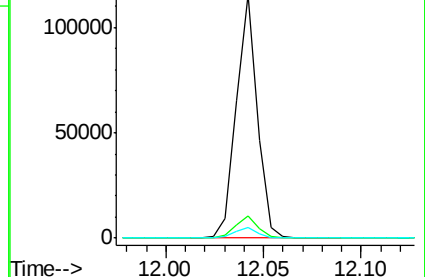
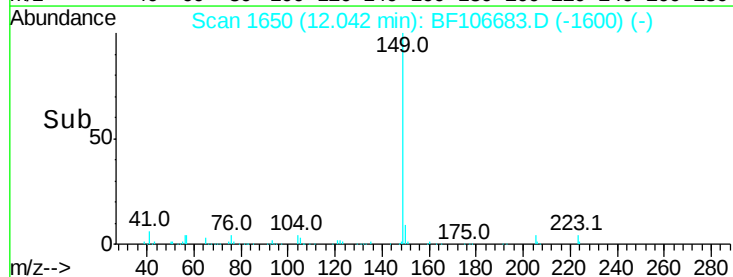
104 4.4 3.8 5.8

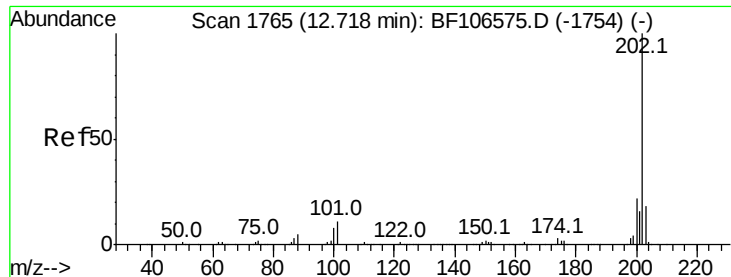


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 15.492 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

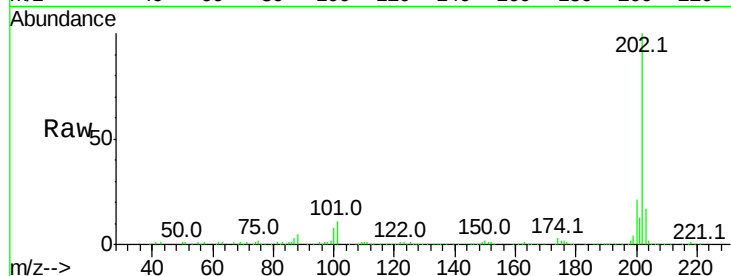
Tot Ion:202 Resp: 166051

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

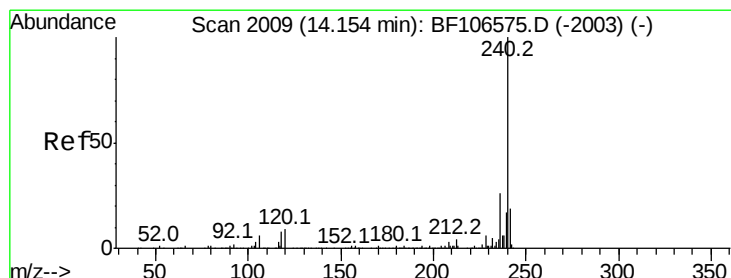
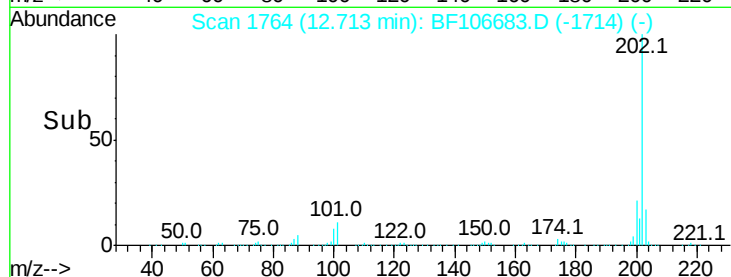
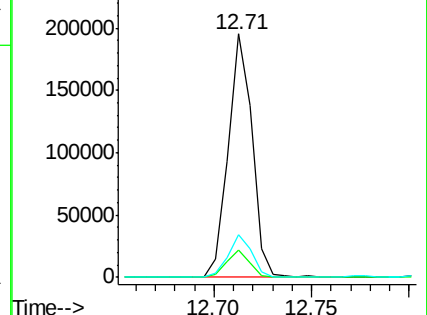
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

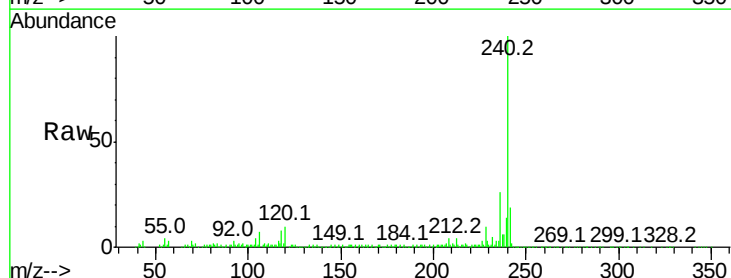
Tgt Ion:240 Resp: 166970

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

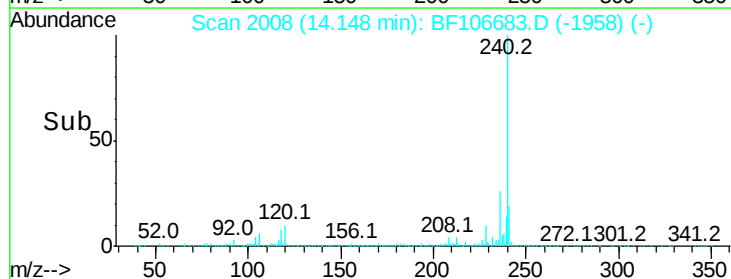
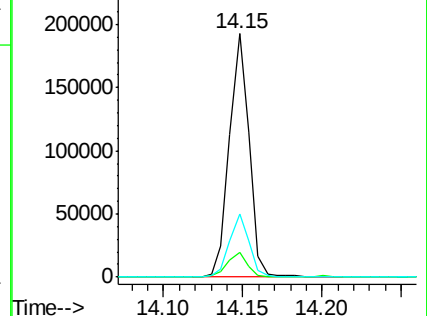
236 25.7 20.7 31.1

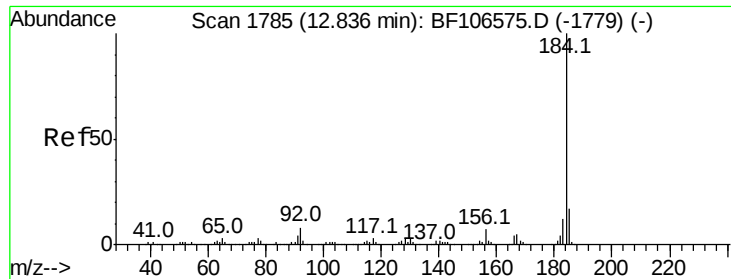


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

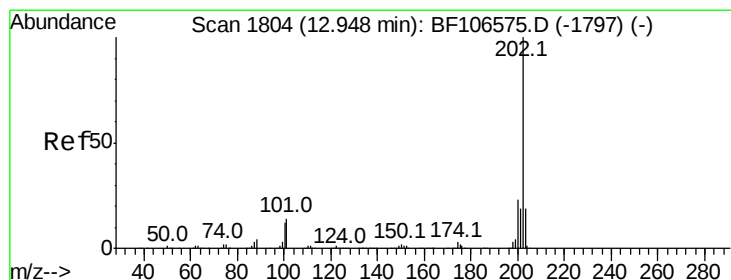
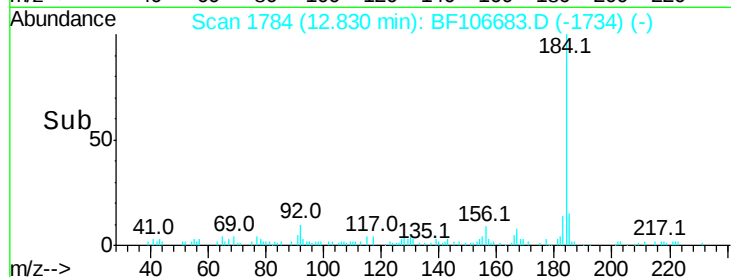
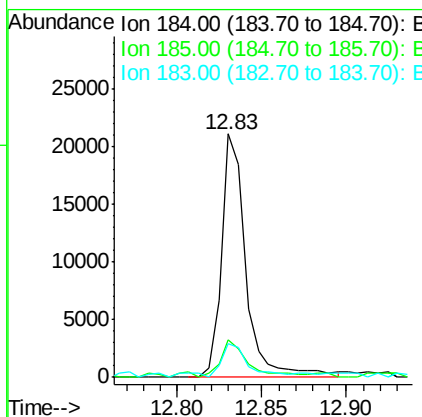
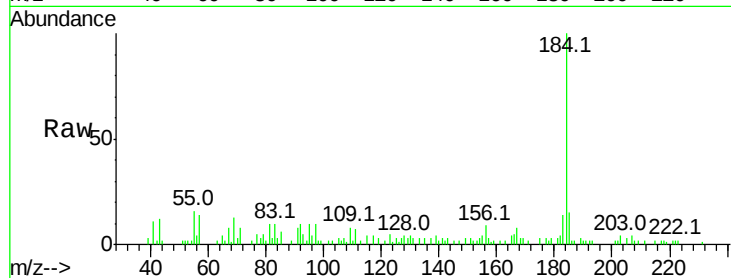




#76  
Benzidine  
Concen: 4.486 ng  
RT: 12.83 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

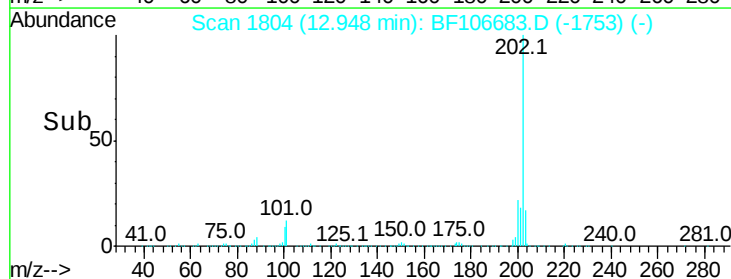
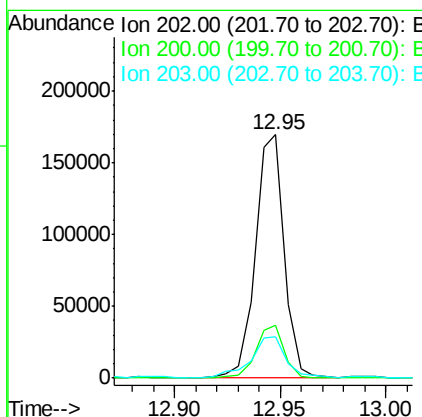
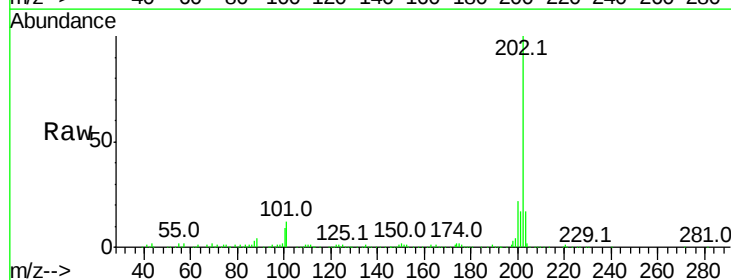
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

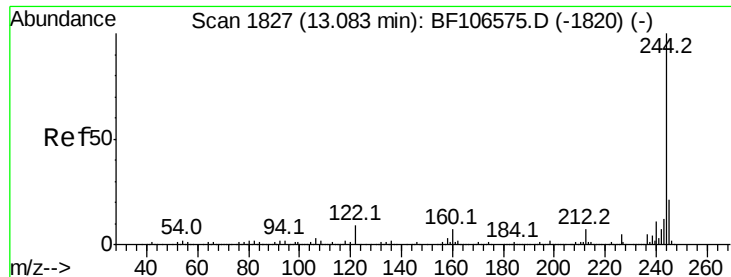
Tot Ion:184 Resp: 21331  
Ion Ratio Lower Upper  
184 100  
185 15.5 12.6 18.8  
183 13.8 9.3 13.9



#77  
Pyrene  
Concen: 14.639 ng  
RT: 12.95 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:202 Resp: 161187  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.4 26.2  
203 17.1 14.3 21.5





#78

Terphenyl-d14

Concen: 21.976 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

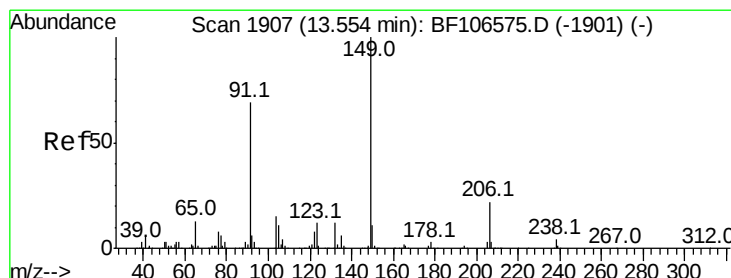
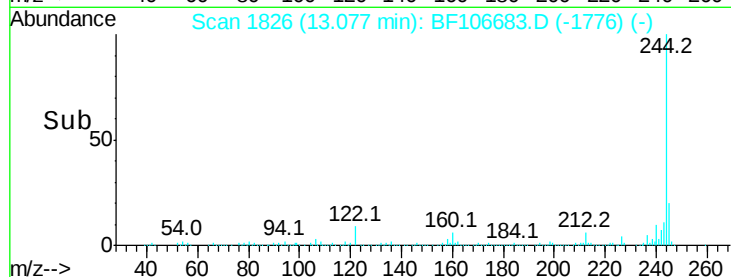
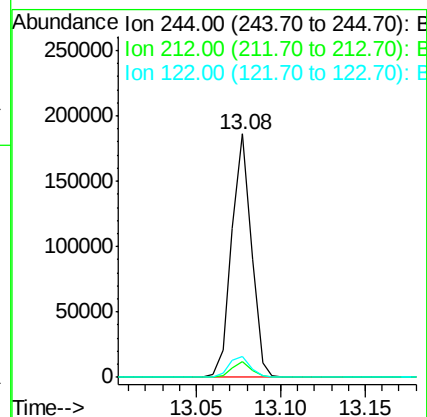
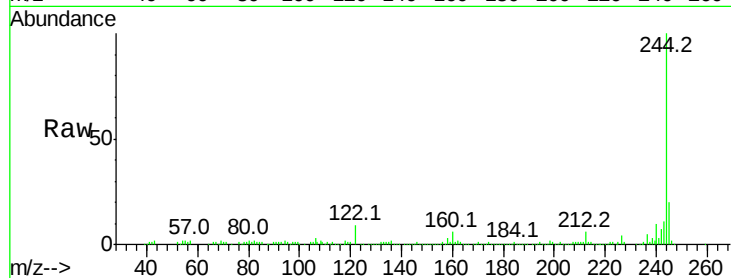
Tot Ion:244 Resp: 151484

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 8.8 11.0 16.4#



#79

Butylbenzylphthalate

Concen: 8.117 ng

RT: 13.55 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

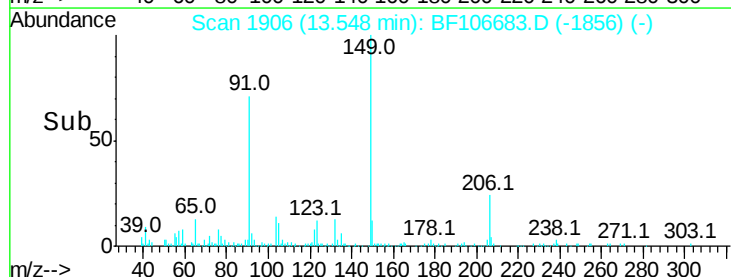
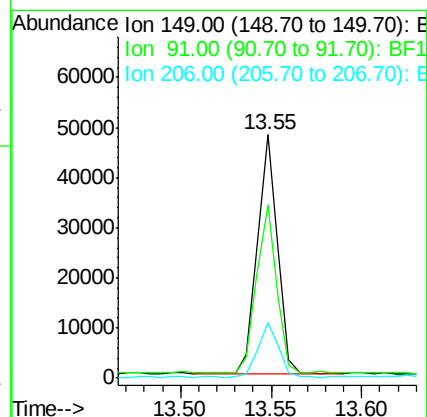
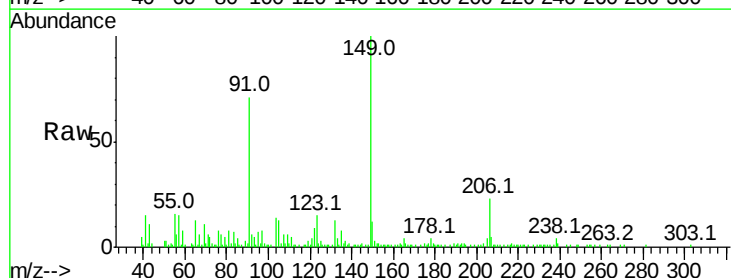
Tgt Ion:149 Resp: 36746

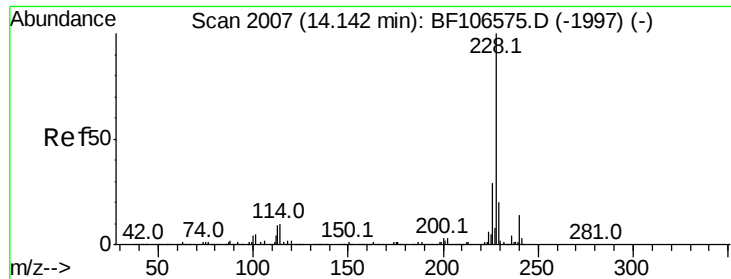
Ion Ratio Lower Upper

149 100

91 71.0 56.8 85.2

206 23.0 14.1 21.1#

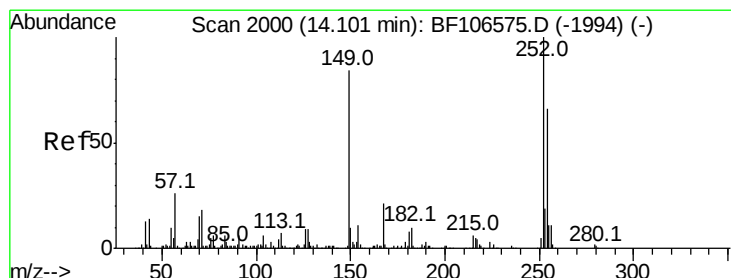
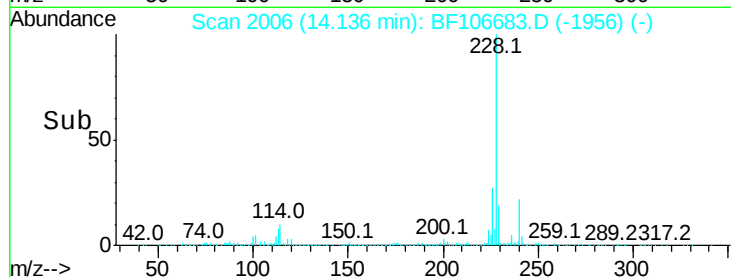
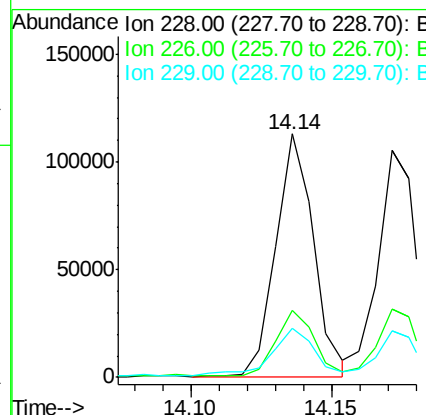
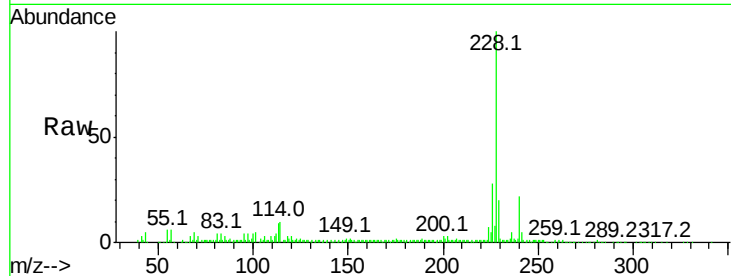




#80  
Benzo(a)anthracene  
Concen: 10.219 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

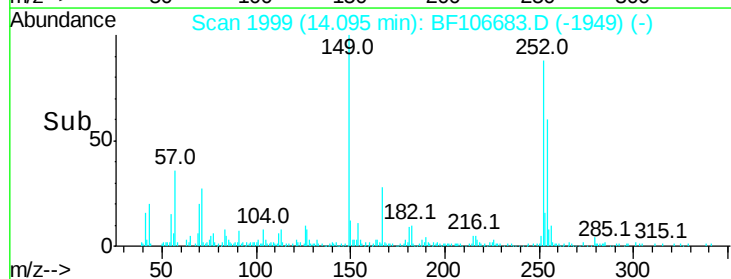
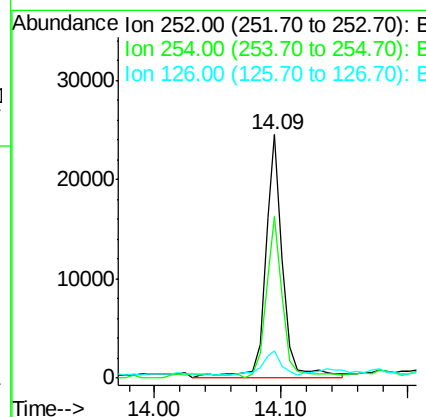
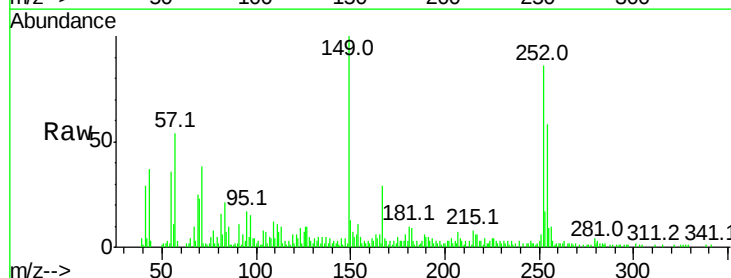
Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

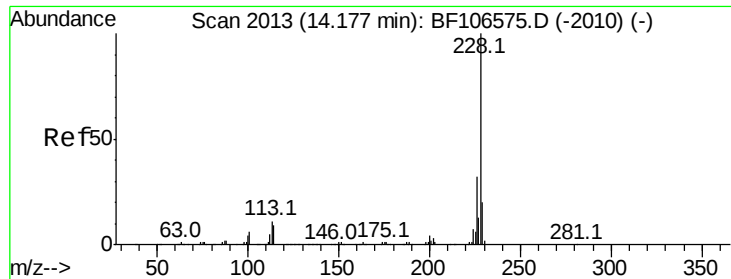
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.8  | 22.6  | 33.8  |
| 229     | 20.1  | 15.8  | 23.6  |



#81  
3,3'-Dichlorobenzidine  
Concen: 6.619 ng  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.6  | 50.4  | 75.6  |
| 126     | 11.0  | 11.3  | 16.9  |

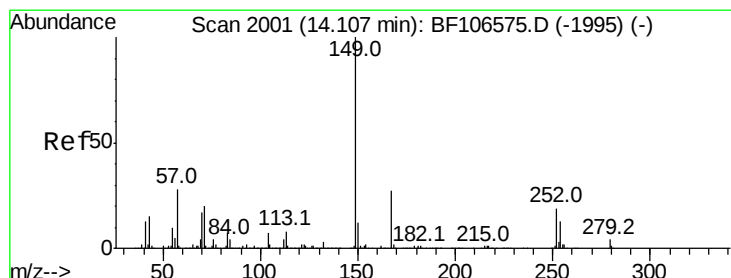
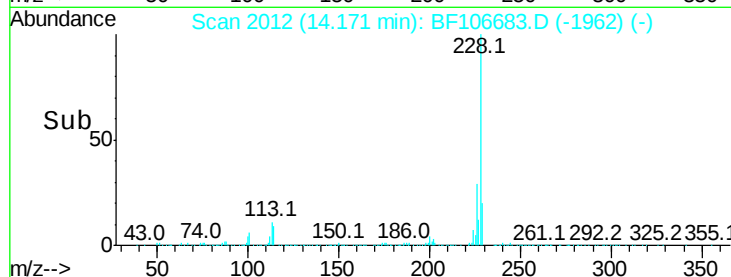
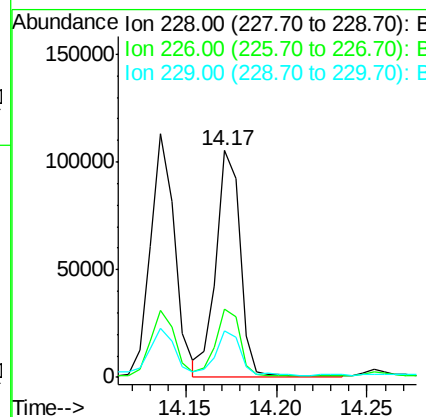
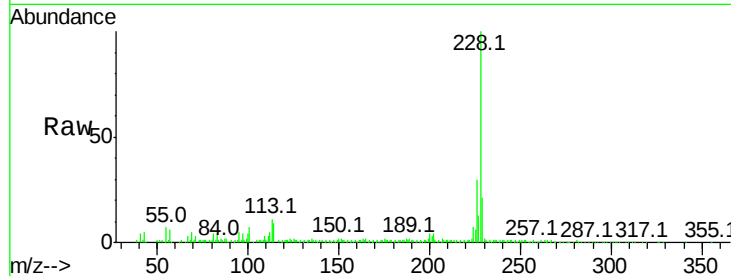




#82  
 Chrysene  
 Concen: 10.344 ng  
 RT: 14.17 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

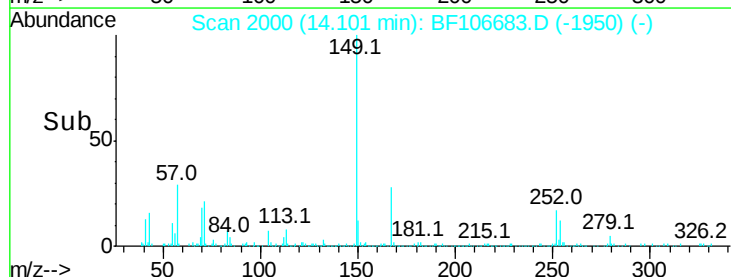
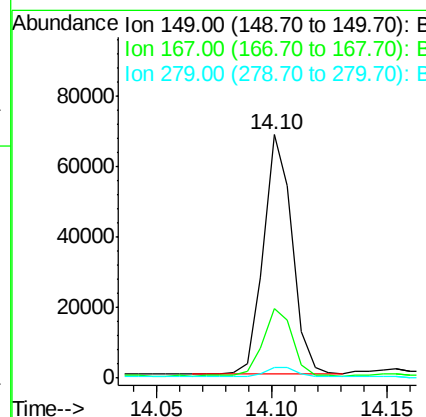
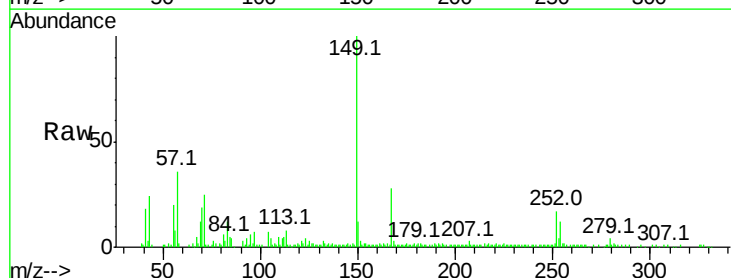
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA1(S)MS

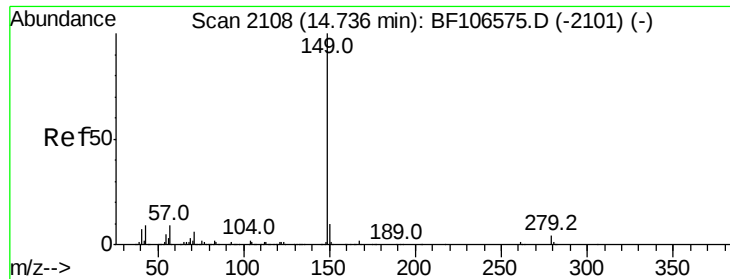
Tot Ion:228 Resp: 96846  
 Ion Ratio Lower Upper  
 228 100  
 226 30.0 25.0 37.6  
 229 20.6 16.2 24.4



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 10.136 ng  
 RT: 14.10 min Scan# 2000  
 Delta R.T. -0.01 min  
 Lab File: BF106683.D  
 Acq: 22 Jun 2018 1:22

Tgt Ion:149 Resp: 58664  
 Ion Ratio Lower Upper  
 149 100  
 167 28.4 21.3 31.9  
 279 4.5 3.0 4.4#

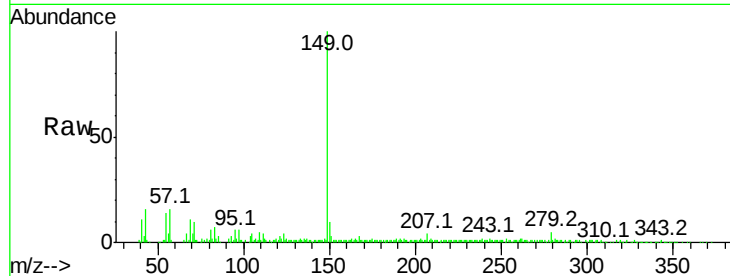




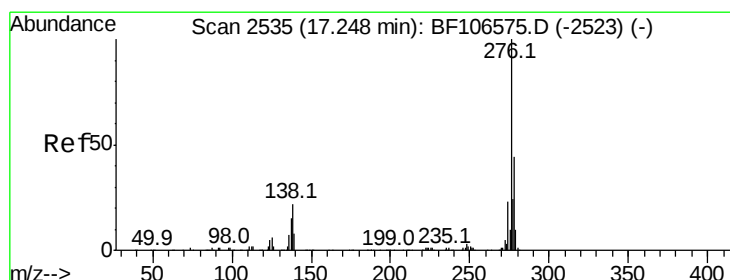
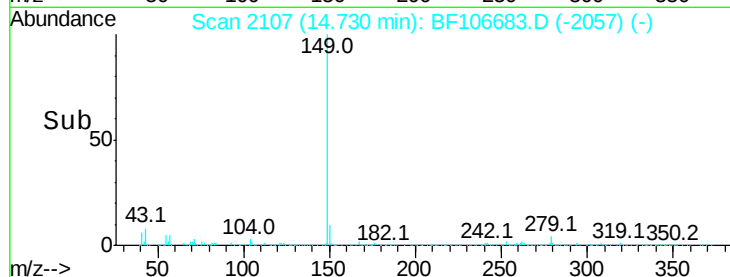
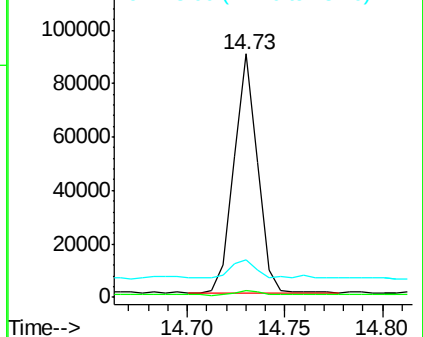
#84  
Di-n-octyl phthalate  
Concen: 7.938 ng  
RT: 14.73 min Scan# 2107  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 2.5   | 1.2   | 1.8#  |
| 43      | 7.9   | 8.4   | 12.6# |

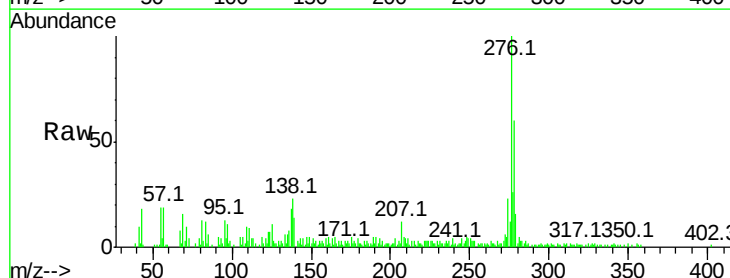


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

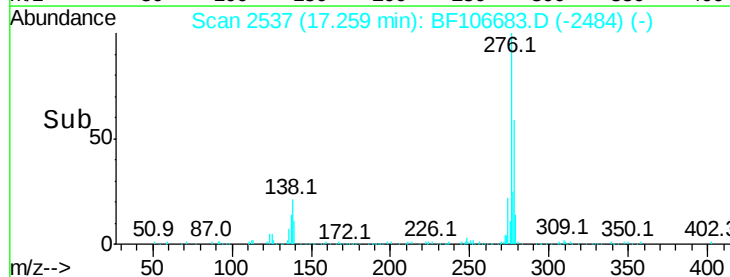
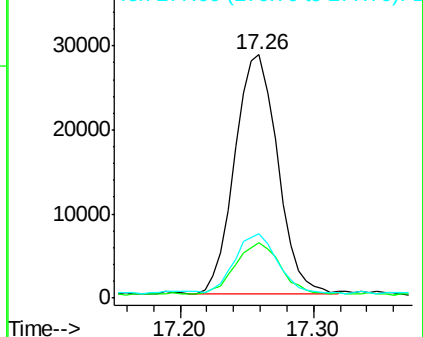


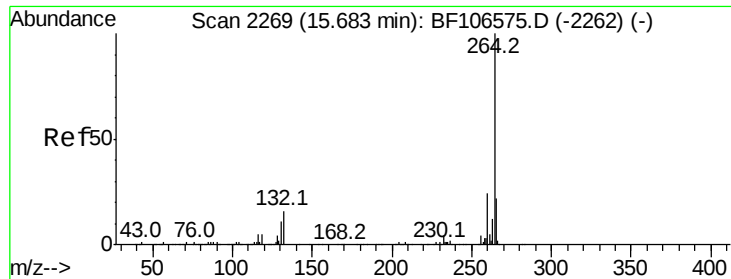
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 8.024 ng  
RT: 17.26 min Scan# 2537  
Delta R.T. 0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.7  | 25.0  | 37.6# |
| 277     | 25.3  | 20.1  | 30.1  |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



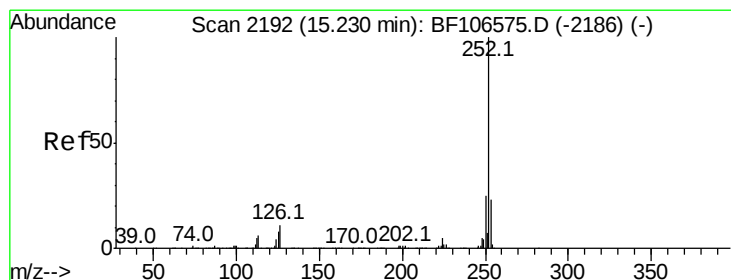
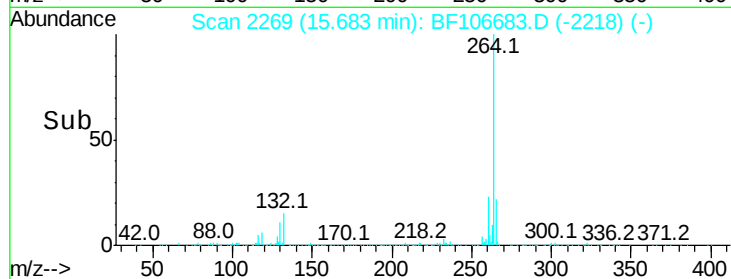
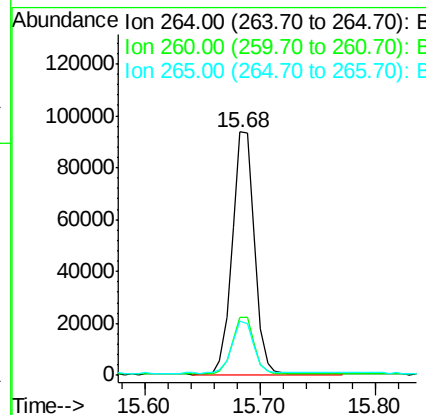
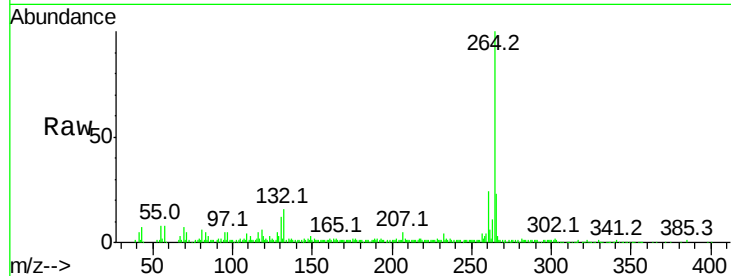


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Instrument :  
BNA\_F  
ClientSampleId :  
AREA1(S)MS

Tot Ion:264 Resp: 124382  

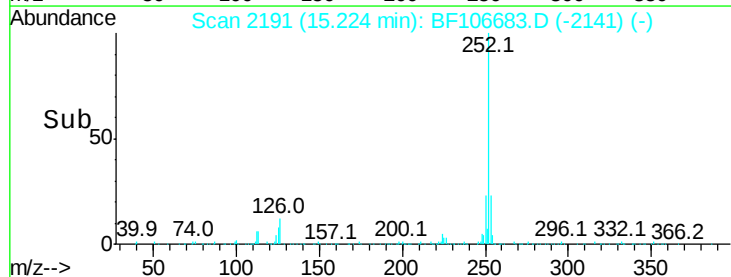
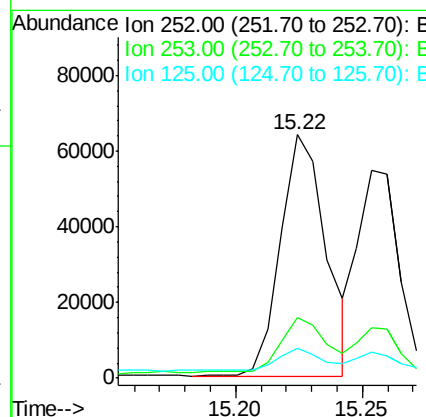
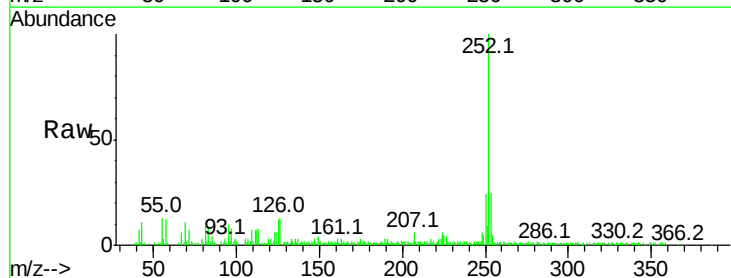
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 22.5  | 17.5  | 26.3  |

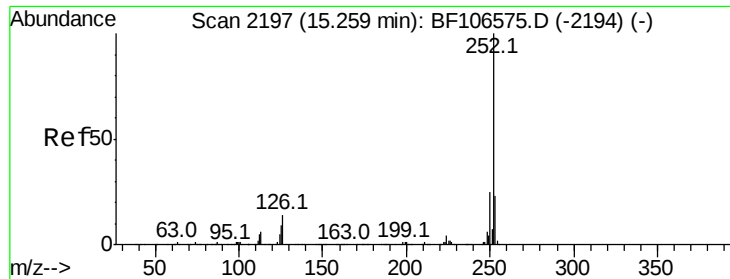


#87  
Benzo(b)fluoranthene  
Concen: 10.303 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. -0.01 min  
Lab File: BF106683.D  
Acq: 22 Jun 2018 1:22

Tgt Ion:252 Resp: 79606  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.7  | 17.0  | 25.6  |
| 125 | 12.4  | 9.0   | 13.6  |





#88

Benzo(k)fluoranthene

Concen: 8.429 ng

RT: 15.25 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

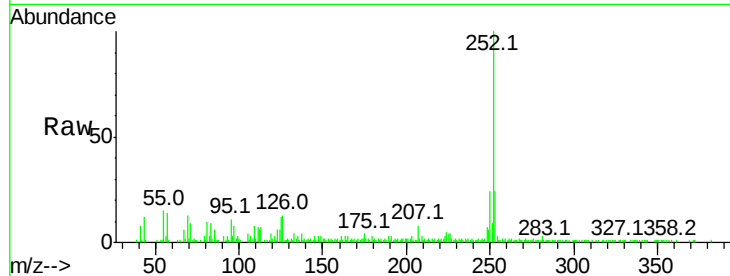
Tot Ion:252 Resp: 62021

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

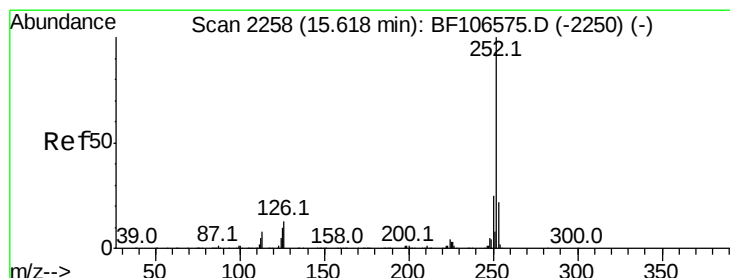
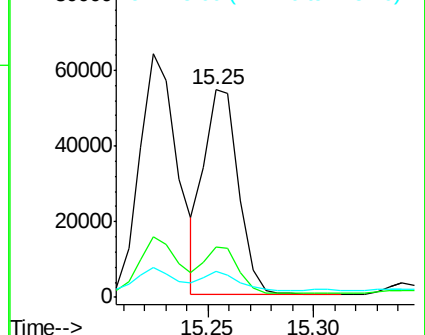
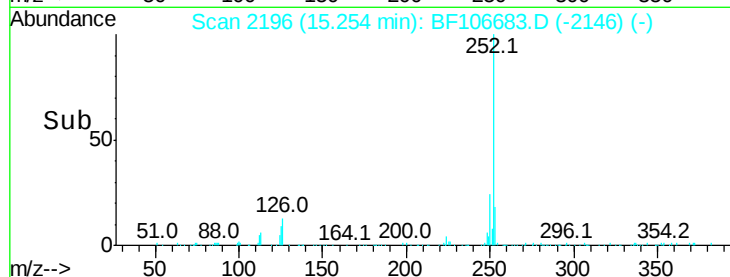
125 12.4 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.065 ng

RT: 15.62 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

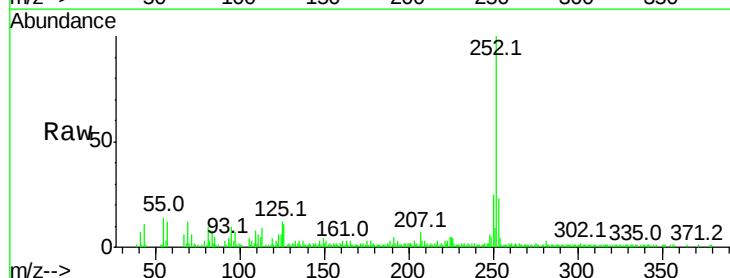
Tgt Ion:252 Resp: 69131

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

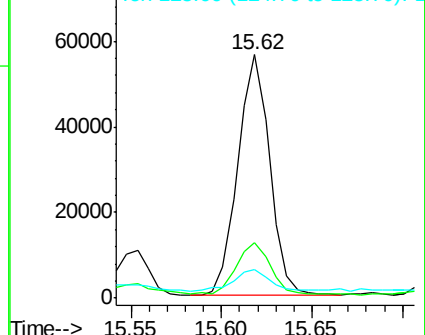
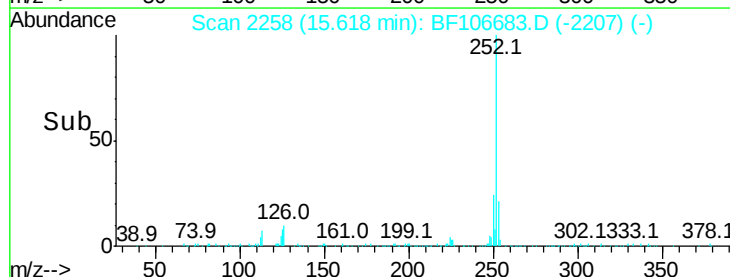
125 11.5 9.8 14.6

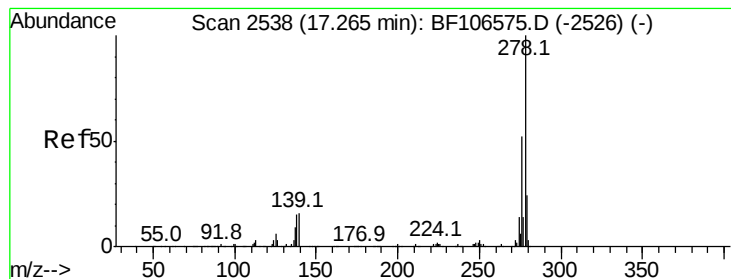


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 7.962 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA\_F

ClientSampleId :

AREA1(S)MS

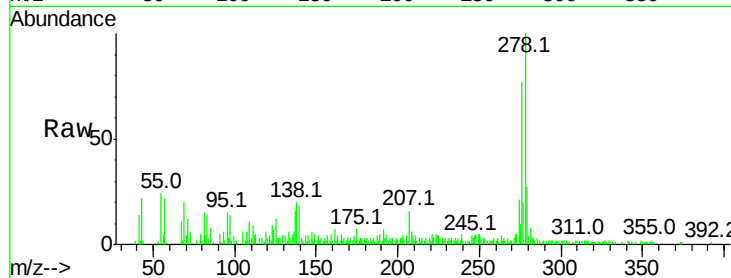
Tot Ion:278 Resp: 46348

Ion Ratio Lower Upper

278 100

139 17.7 15.9 23.9

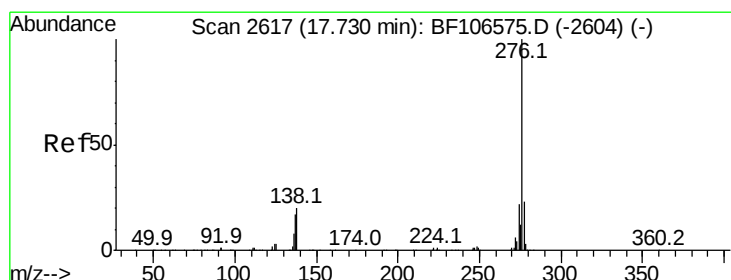
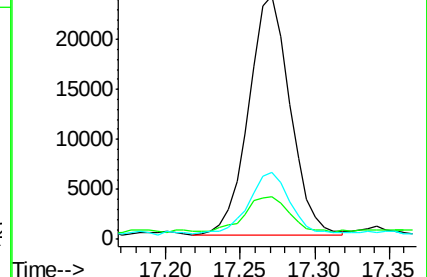
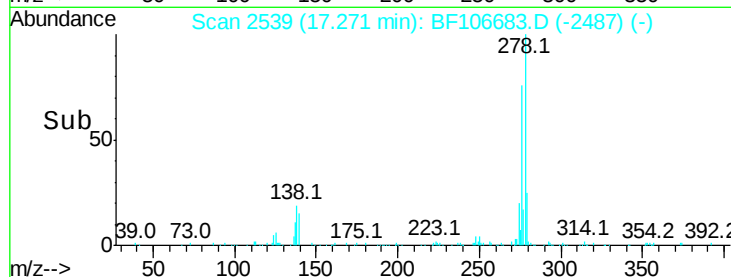
279 27.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.530 ng

RT: 17.74 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

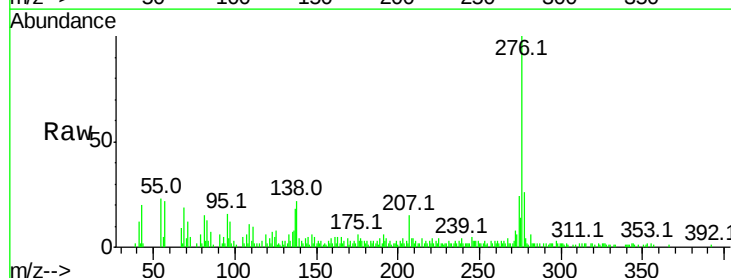
Tgt Ion:276 Resp: 54223

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 21.6 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

