

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
 Data File : BF103684.D  
 Acq On : 16 Mar 2018 9:03  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 16 13:24:41 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 16 13:24:19 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 158340   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 654627   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 306275   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 543186   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 427314   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.67 | 264  | 368407   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 840885  | 80.77 | ng | 0.00 |
| 7) Phenol-d6             | 6.59  | 99  | 1026872 | 80.63 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 880053  | 93.75 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 239243  | 90.85 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 1488668 | 77.53 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.09 | 244 | 1426526 | 77.49 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.83 | 88  | 206590  | 40.302 | ng | 92     |
| 3) Pyridine                    | 3.60 | 79  | 569381  | 40.384 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.57 | 42  | 207438  | 39.902 | ng | 91     |
| 6) Aniline                     | 6.63 | 93  | 738709  | 40.619 | ng | 98     |
| 8) 2-Chlorophenol              | 6.75 | 128 | 443684  | 40.685 | ng | 99     |
| 9) Benzaldehyde                | 6.52 | 77  | 333347  | 39.839 | ng | 98     |
| 10) Phenol                     | 6.60 | 94  | 544306  | 40.219 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 443363  | 39.684 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 499952  | 40.252 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 495515  | 39.701 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146 | 467015  | 40.324 | ng | 99     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 400929  | 40.629 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 629804  | 39.634 | ng | 96     |
| 17) 2-Methylphenol             | 7.20 | 107 | 394549  | 40.627 | ng | 98     |
| 18) Hexachloroethane           | 7.48 | 117 | 186184  | 42.408 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 322993  | 39.572 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.36 | 107 | 507287  | 41.160 | ng | 97     |
| 22) Acetophenone               | 7.37 | 105 | 667151  | 39.654 | ng | 96     |
| 24) Nitrobenzene               | 7.55 | 77  | 487451  | 44.231 | ng | 100    |
| 25) Isophorone                 | 7.79 | 82  | 860079  | 39.579 | ng | 99     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 199818  | 47.723 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.89 | 122 | 384527  | 41.305 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 529397  | 40.231 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.10 | 162 | 360126  | 42.520 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.19 | 180 | 400057  | 40.725 | ng | 98     |
| 31) Naphthalene                | 8.27 | 128 | 1327061 | 40.131 | ng | 99     |
| 32) Benzoic acid               | 8.00 | 122 | 309564  | 47.307 | ng | 98     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 565927  | 40.793 | ng | 100    |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 215946  | 40.094 | ng | 99     |
| 35) Caprolactam                | 8.69 | 113 | 121489  | 41.656 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 8.79 | 107 | 389813  | 41.749 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 843982  | 40.246 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 355305  | 40.664 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.12 | 237 | 204311  | 45.315 | ng | 99     |

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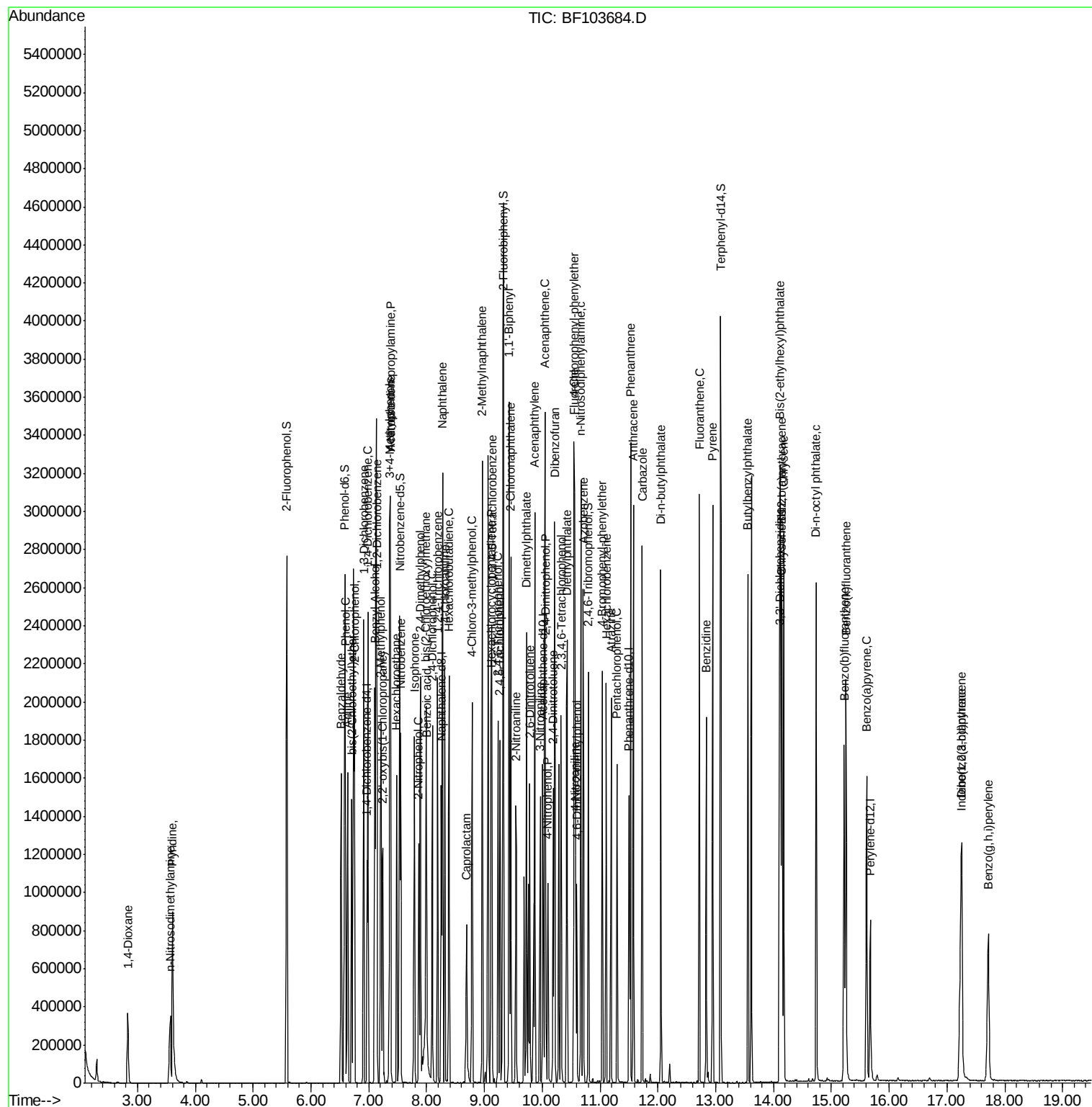
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.23  | 196  | 245286   | 43.888 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.27  | 196  | 275868   | 43.733 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 9.43  | 154  | 1023058  | 40.059 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.46  | 162  | 815327   | 40.195 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 241038   | 45.790 | ng    | 92       |
| 48) Acenaphthylene             | 9.87  | 152  | 1250395  | 39.752 | ng    | 100      |
| 49) Dimethylphthalate          | 9.73  | 163  | 939241   | 40.195 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 199920   | 44.540 | ng    | 94       |
| 51) Acenaphthene               | 10.05 | 154  | 760113   | 40.698 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 236040   | 43.922 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 10.06 | 184  | 54307    | 52.924 | ng    | # 39     |
| 54) Dibenzofuran               | 10.22 | 168  | 1050695  | 39.389 | ng    | 97       |
| 55) 4-Nitrophenol              | 10.10 | 139  | 177484   | 43.879 | ng    | 95       |
| 56) 2,4-Dinitrotoluene         | 10.19 | 165  | 256640   | 45.227 | ng    | 95       |
| 57) Fluorene                   | 10.56 | 166  | 814999   | 39.374 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 202481   | 45.300 | ng    | 99       |
| 59) Diethylphthalate           | 10.43 | 149  | 934055   | 40.274 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204  | 372982   | 39.428 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.58 | 138  | 229613   | 44.347 | ng    | 99       |
| 62) Azobenzene                 | 10.71 | 77   | 930726   | 39.472 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 101926   | 50.000 | ng    | 96       |
| 65) n-Nitrosodiphenylamine     | 10.67 | 169  | 744278   | 40.255 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 11.04 | 248  | 230692   | 41.364 | ng    | 97       |
| 67) Hexachlorobenzene          | 11.10 | 284  | 258406   | 40.596 | ng    | 97       |
| 68) Atrazine                   | 11.19 | 200  | 234131   | 40.936 | ng    | 100      |
| 69) Pentachlorophenol          | 11.30 | 266  | 163557   | 44.693 | ng    | 97       |
| 70) Phenanthrene               | 11.53 | 178  | 1173187  | 39.483 | ng    | 99       |
| 71) Anthracene                 | 11.58 | 178  | 1203903  | 39.892 | ng    | 100      |
| 72) Carbazole                  | 11.73 | 167  | 1162780  | 39.641 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.05 | 149  | 1427566  | 40.561 | ng    | 99       |
| 74) Fluoranthene               | 12.72 | 202  | 1205054  | 39.366 | ng    | 100      |
| 76) Benzidine                  | 12.84 | 184  | 712120   | 39.074 | ng    | 99       |
| 77) Pyrene                     | 12.95 | 202  | 1256091  | 40.026 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.56 | 149  | 588639   | 42.337 | ng    | 95       |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 1083803  | 40.068 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 386448   | 42.712 | ng    | 98       |
| 82) Chrysene                   | 14.18 | 228  | 1034160  | 40.108 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 845974   | 42.591 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 1268121  | 43.885 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.24 | 276  | 855653   | 38.000 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 957221   | 41.126 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.26 | 252  | 911189   | 40.726 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 863152   | 40.887 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.26 | 278  | 718618   | 39.312 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.72 | 276  | 692883   | 38.963 | ng    | 95       |

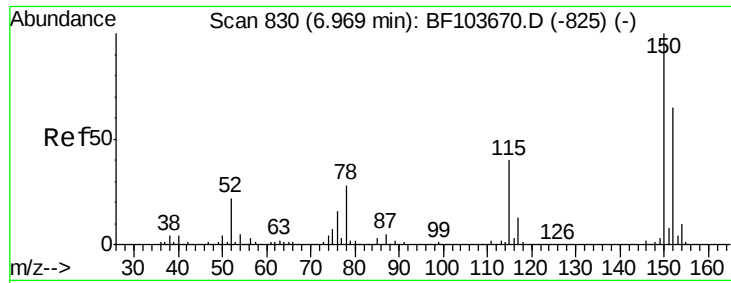
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

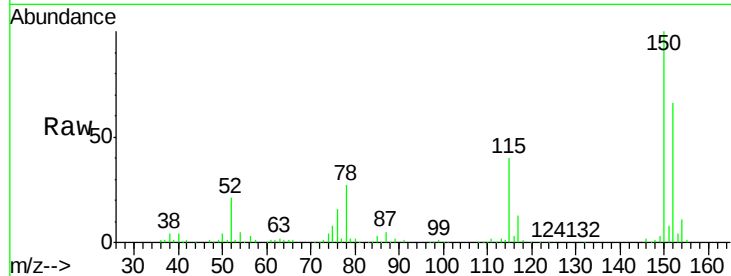
Tot Ion:152 Resp: 158340

Ion Ratio Lower Upper

152 100

150 152.5 124.6 186.8

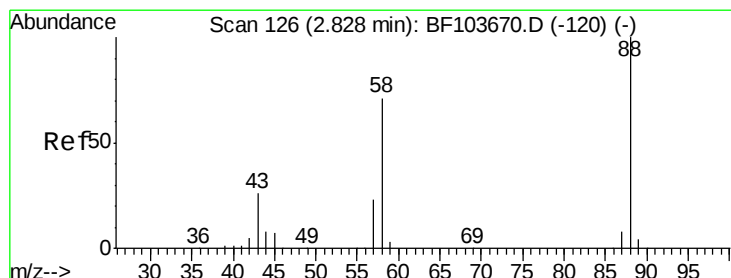
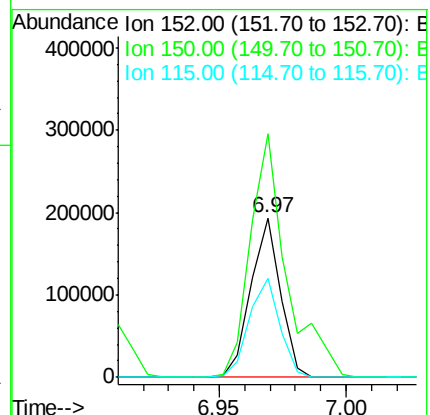
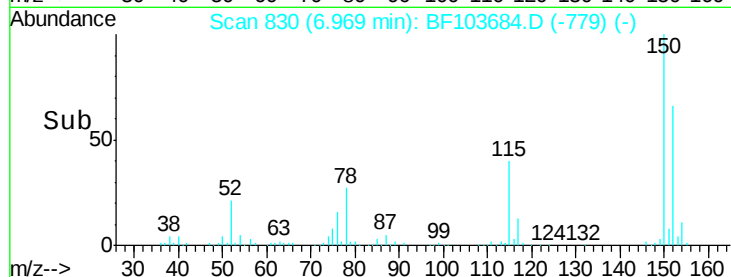
115 61.6 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.302 ng

RT: 2.83 min Scan# 127

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

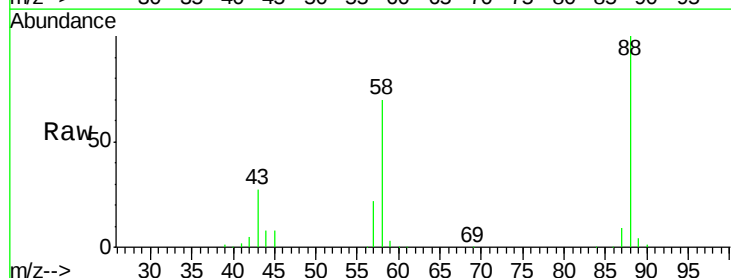
Tgt Ion: 88 Resp: 206590

Ion Ratio Lower Upper

88 100

58 71.3 62.6 93.8

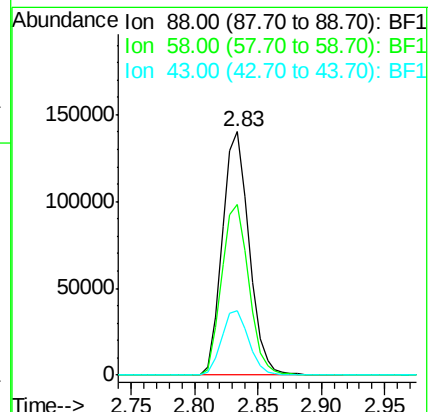
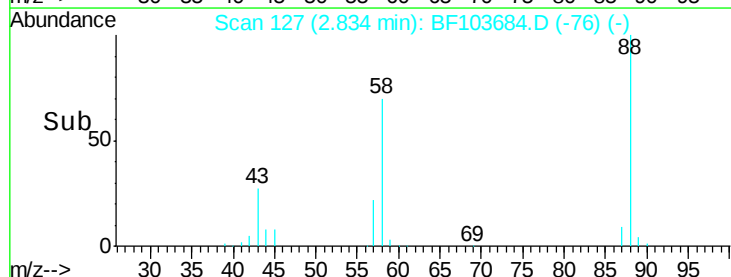
43 26.9 24.6 37.0

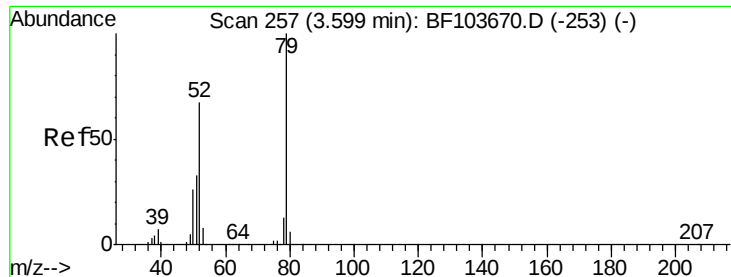


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 40.384 ng

RT: 3.60 min Scan# 258

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

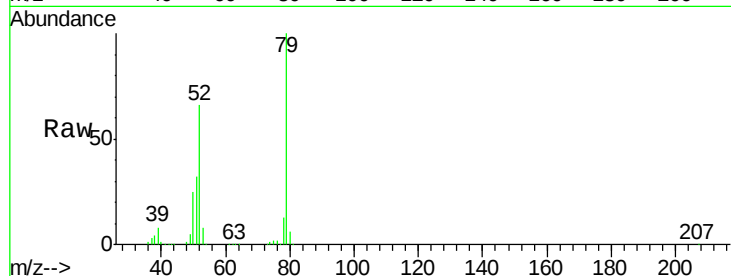
Tot Ion: 79 Resp: 569381

Ion Ratio Lower Upper

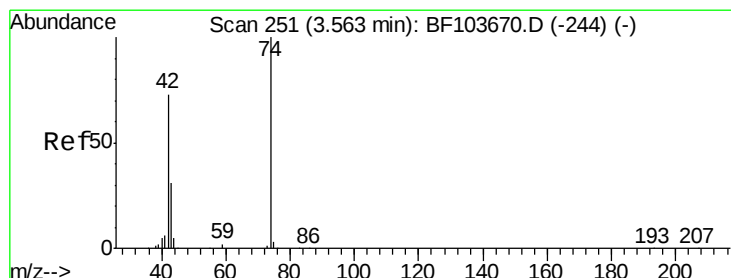
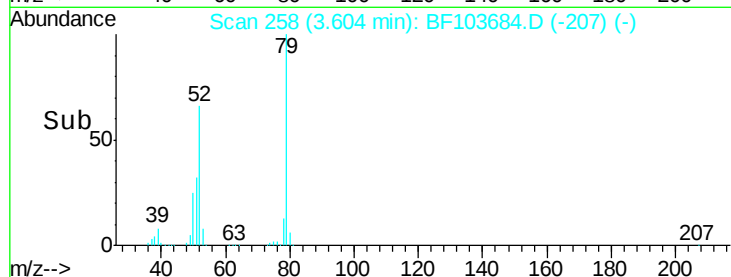
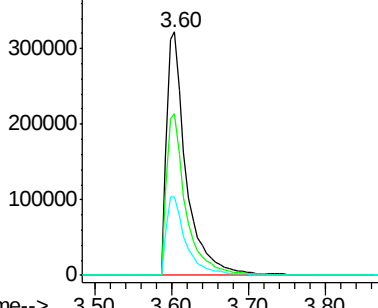
79 100

52 66.2 59.8 89.6

51 32.3 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 39.902 ng

RT: 3.57 min Scan# 252

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

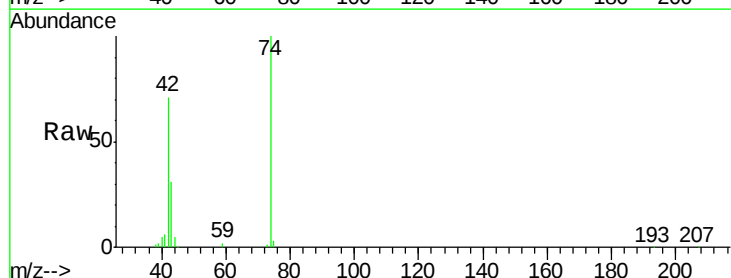
Tgt Ion: 42 Resp: 207438

Ion Ratio Lower Upper

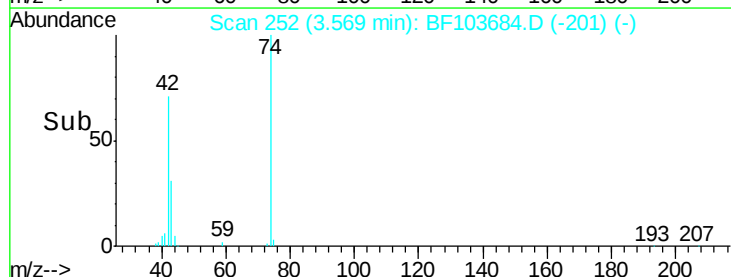
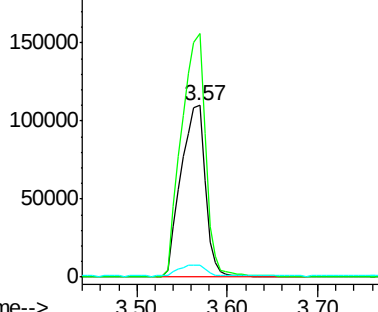
42 100

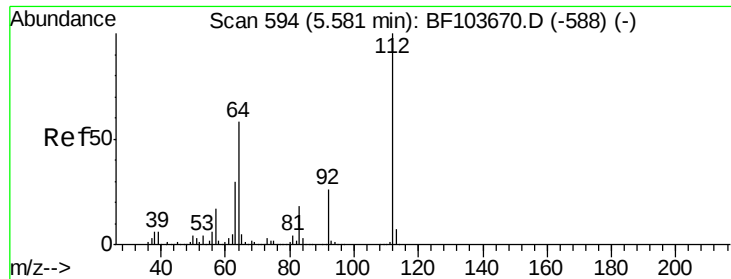
74 141.6 104.9 157.3

44 7.1 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 80.774 ng

RT: 5.58 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

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ClientSampleId :

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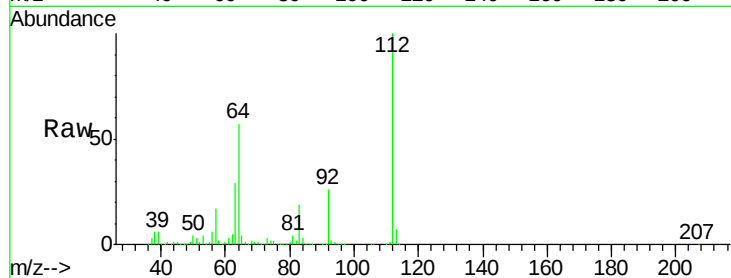
Tot Ion:112 Resp: 840885

Ion Ratio Lower Upper

112 100

64 57.2 47.9 71.9

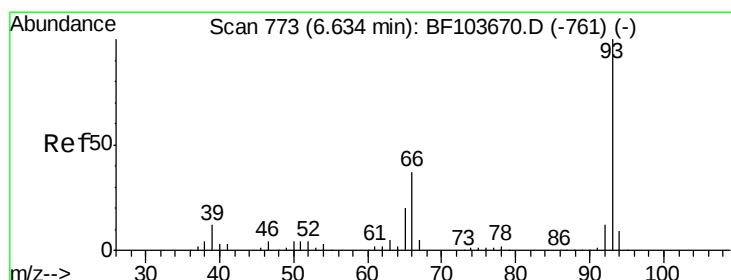
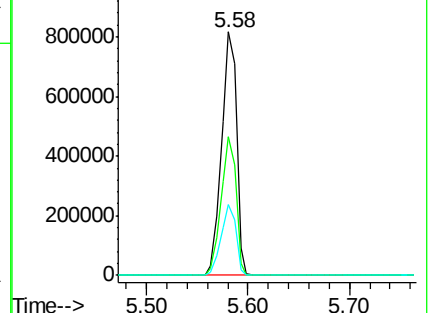
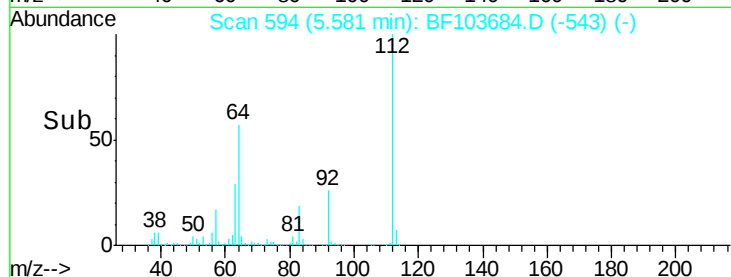
63 29.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 40.619 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

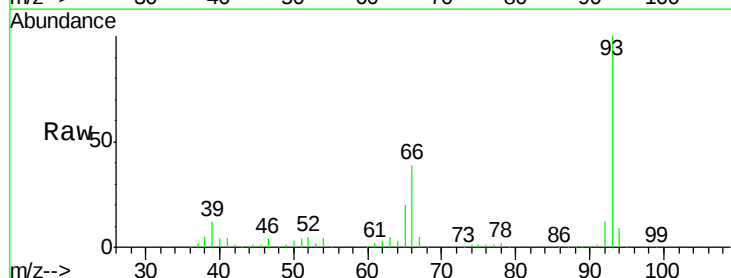
Tgt Ion: 93 Resp: 738709

Ion Ratio Lower Upper

93 100

66 38.9 32.2 48.2

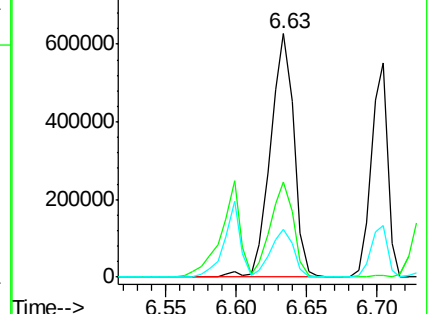
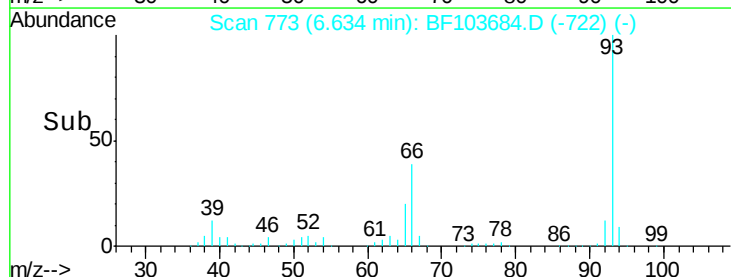
65 19.6 16.4 24.6



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: 80.626 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

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ClientSampleId :

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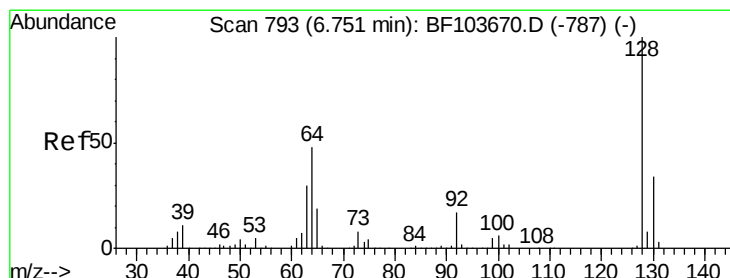
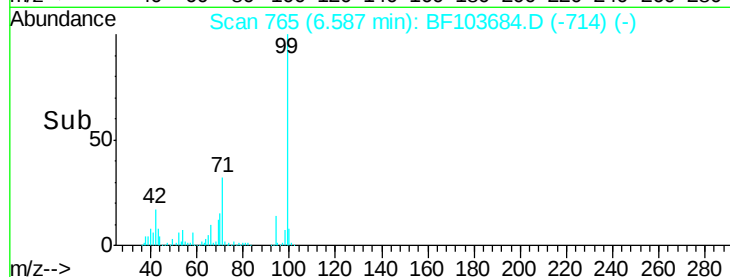
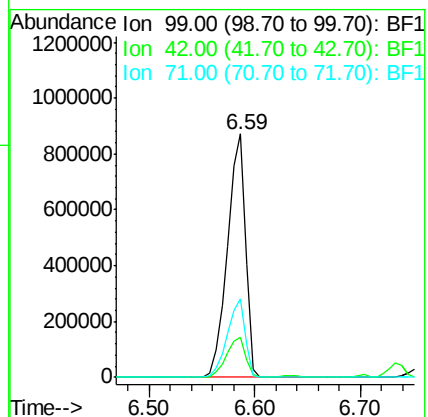
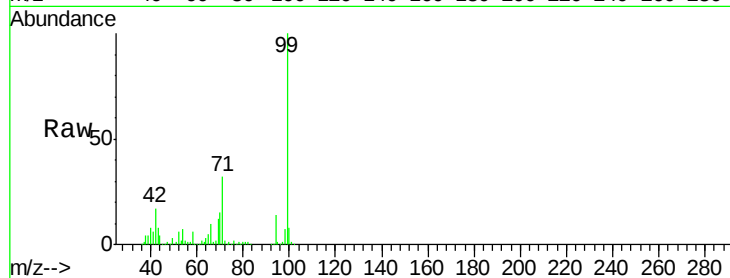
Tot Ion: 99 Resp: 1026872

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.1 25.4 38.0



#8

2-Chlorophenol

Concen: 40.685 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

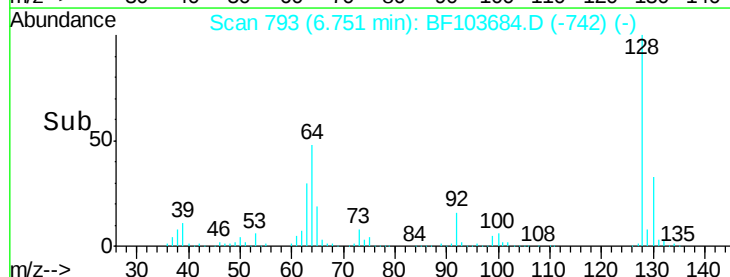
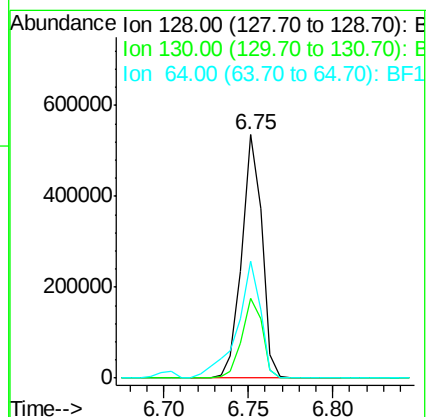
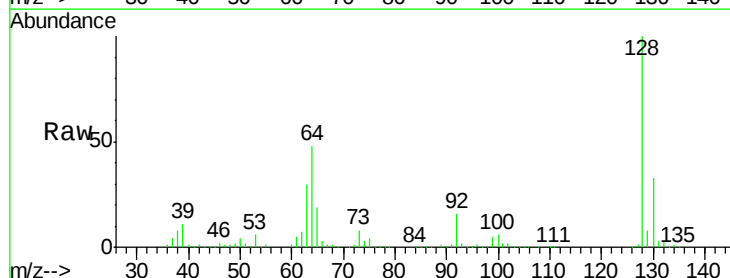
Tgt Ion: 128 Resp: 443684

Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

64 47.8 29.4 69.4

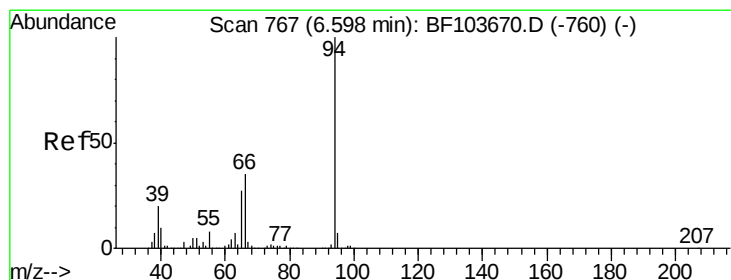
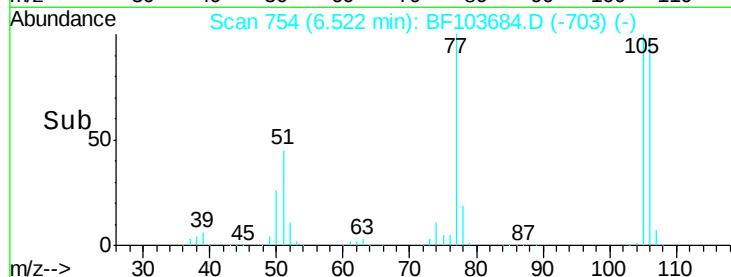
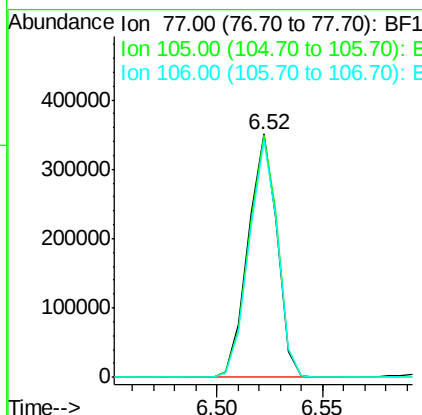
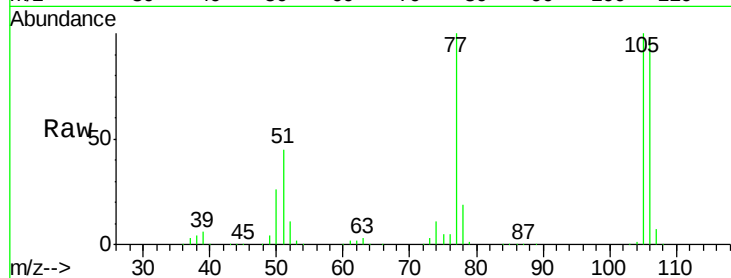




#9  
Benzaldehyde  
Concen: 39.839 ng  
RT: 6.52 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

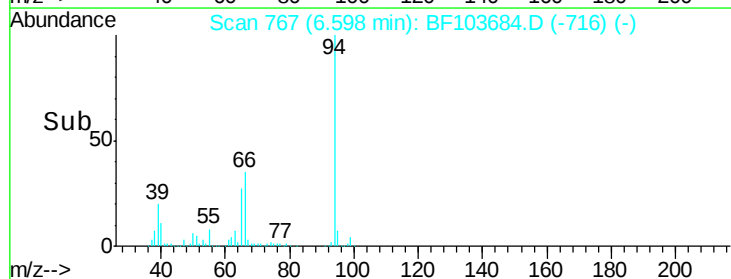
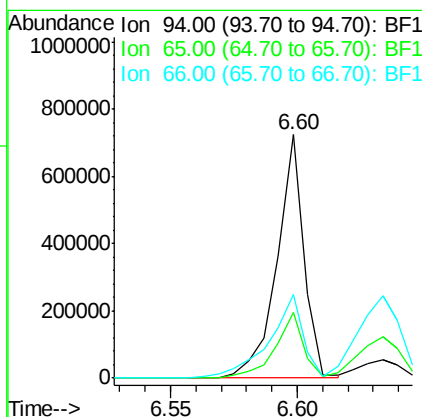
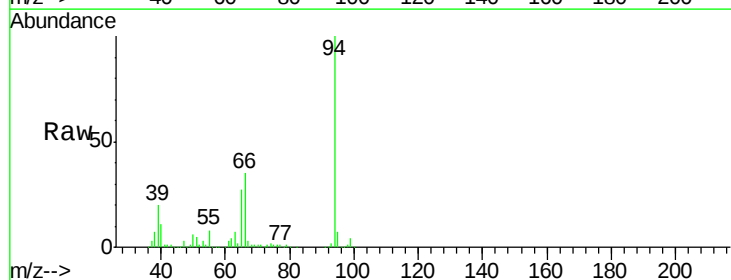
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

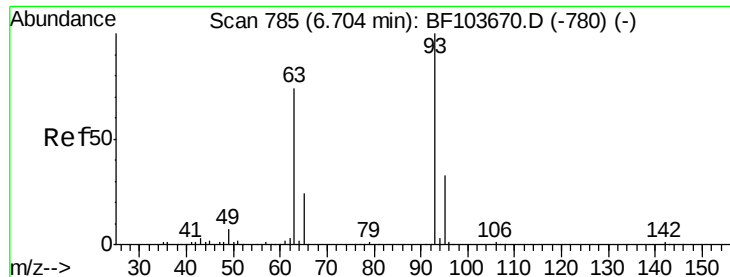
Tot Ion: 77 Resp: 333347  
Ion Ratio Lower Upper  
77 100  
105 99.7 81.1 121.1  
106 97.4 74.5 114.5



#10  
Phenol  
Concen: 40.219 ng  
RT: 6.60 min Scan# 767  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion: 94 Resp: 544306  
Ion Ratio Lower Upper  
94 100  
65 27.1 7.9 47.9  
66 34.5 16.2 56.2

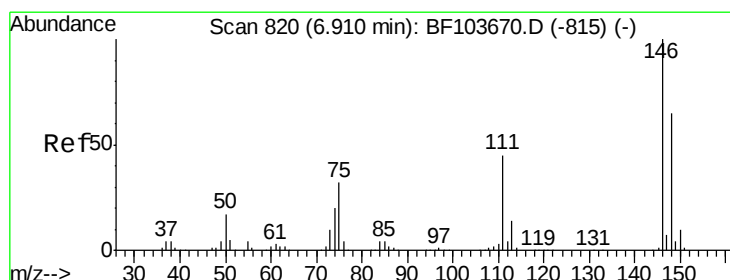
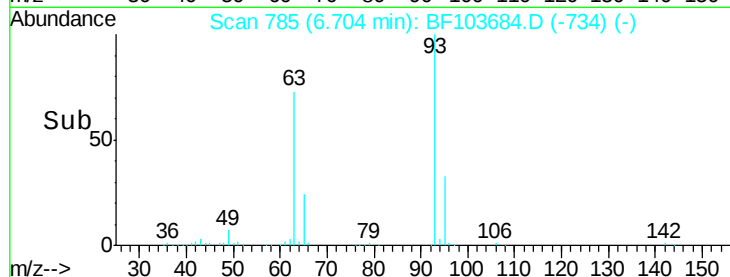
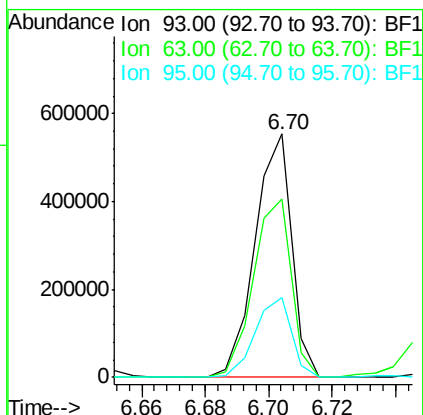
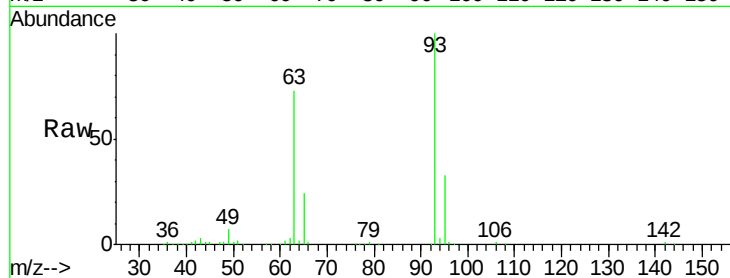




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.684 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

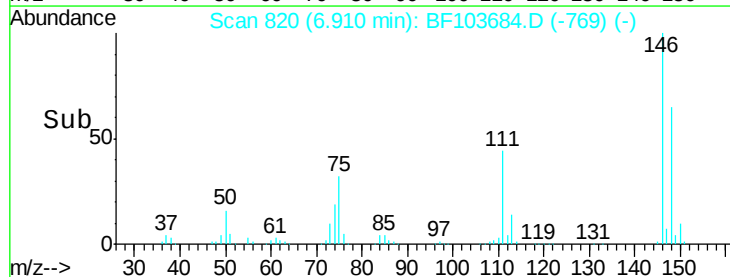
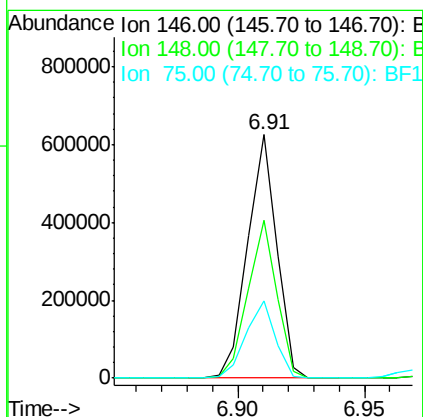
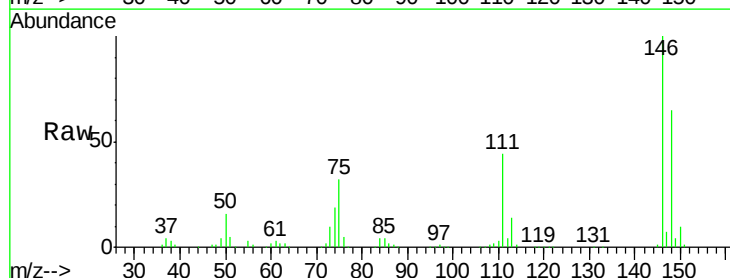
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

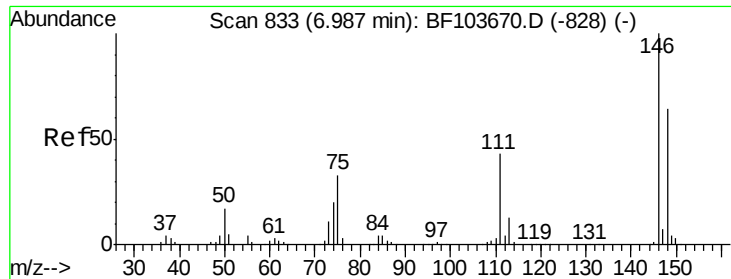
Tot Ion: 93 Resp: 443363  
 Ion Ratio Lower Upper  
 93 100  
 63 73.0 58.6 98.6  
 95 32.8 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 40.252 ng  
 RT: 6.91 min Scan# 820  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Tgt Ion: 146 Resp: 499952  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 51.8 77.8  
 75 31.5 24.2 36.4

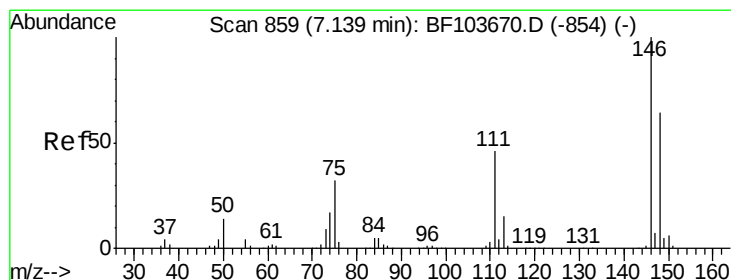
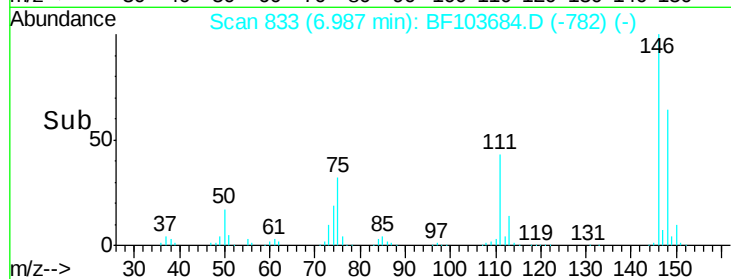
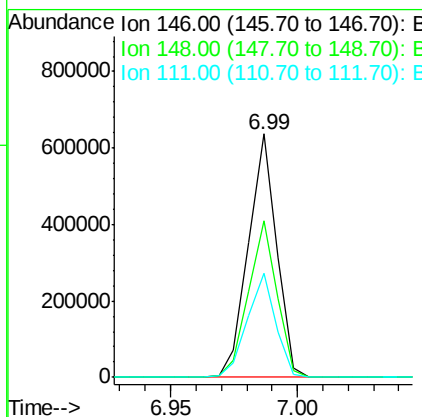
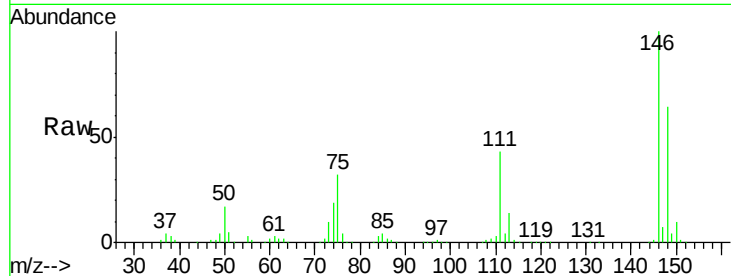




#13  
 1,4-Dichlorobenzene  
 Concen: 39.701 ng  
 RT: 6.99 min Scan# 833  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

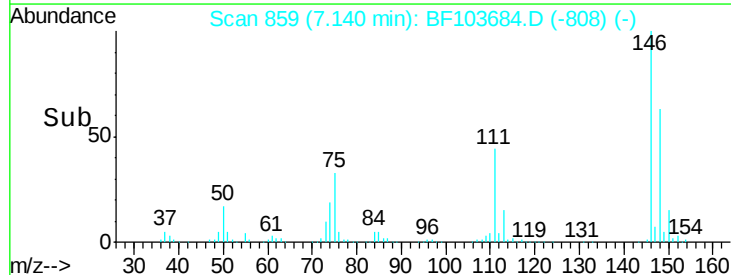
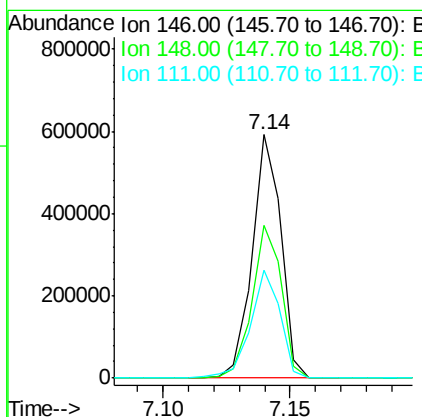
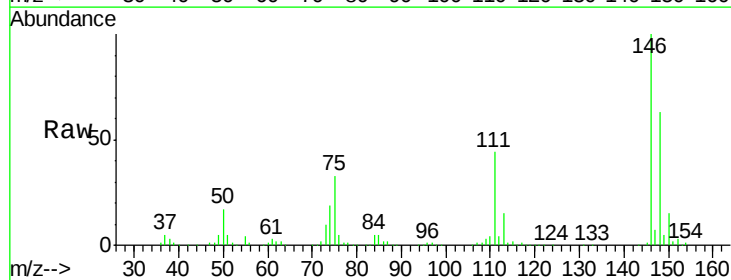
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

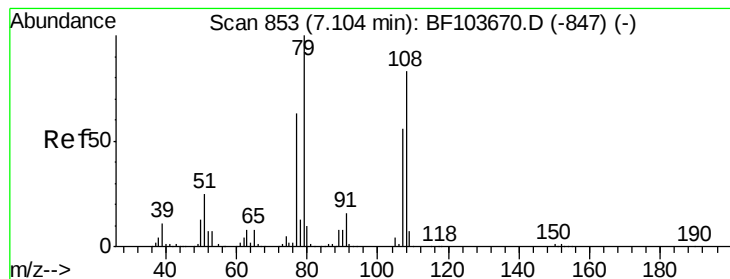
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 50.8  | 76.2  |
| 111     | 42.9  | 34.2  | 51.2  |



#14  
 1,2-Dichlorobenzene  
 Concen: 40.324 ng  
 RT: 7.14 min Scan# 859  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 50.6  | 75.8  |
| 111     | 44.5  | 36.0  | 54.0  |





#15

Benzyl Alcohol

Concen: 40.629 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

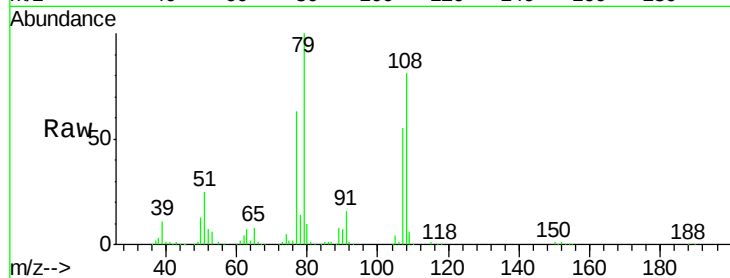
Tot Ion: 79 Resp: 400929

Ion Ratio Lower Upper

79 100

108 81.4 65.1 97.7

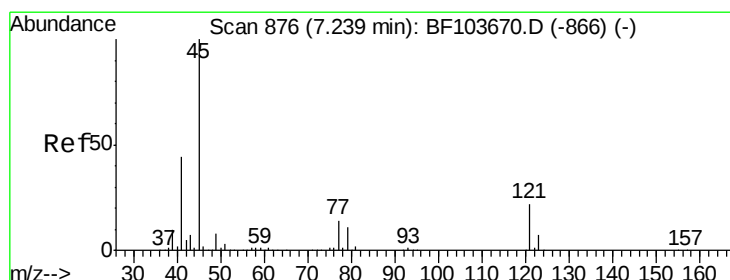
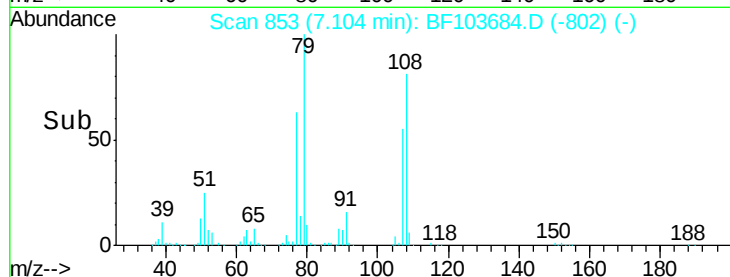
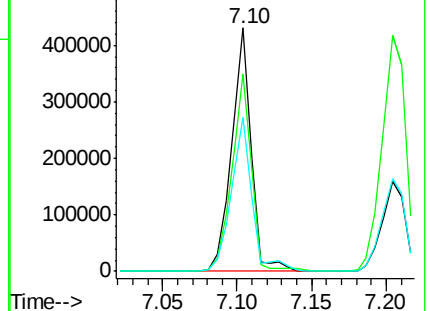
77 63.4 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.634 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

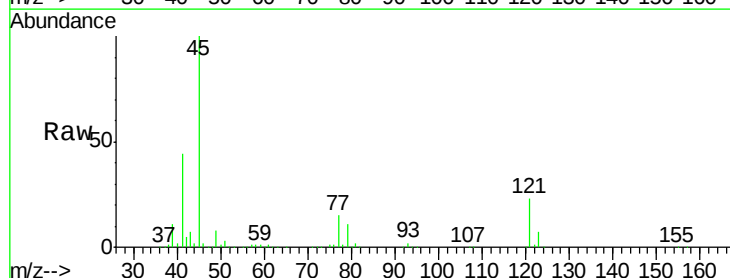
Tgt Ion: 45 Resp: 629804

Ion Ratio Lower Upper

45 100

77 14.8 0.0 32.9

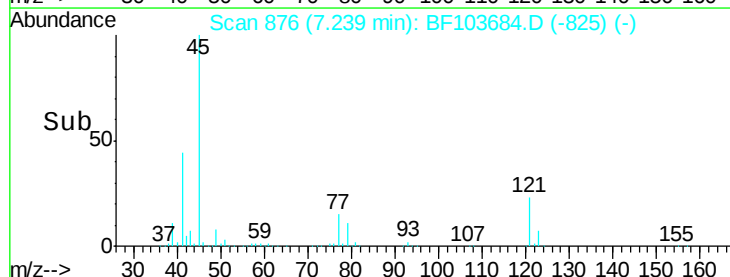
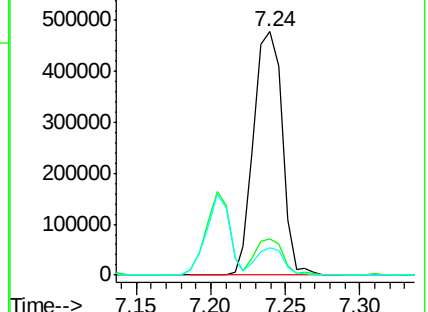
79 11.0 0.0 29.6

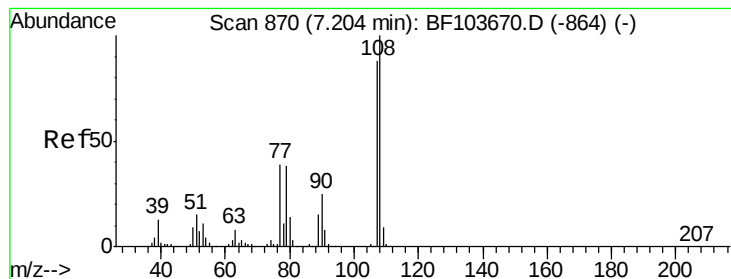


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 40.627 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:107 Resp: 394549

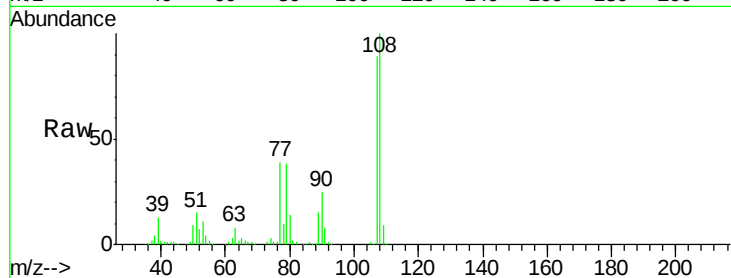
Ion Ratio Lower Upper

107 100

108 112.7 91.7 137.5

77 44.0 33.8 50.8

79 42.8 33.8 50.8

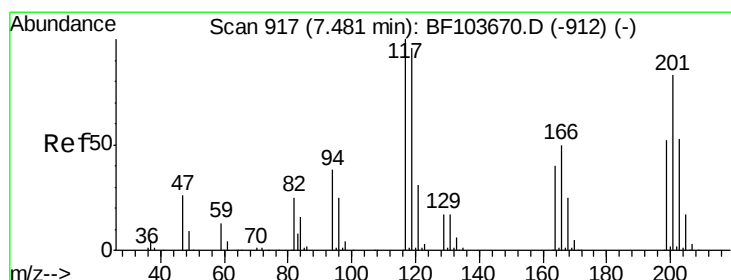
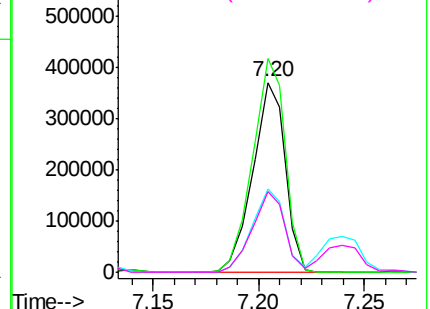
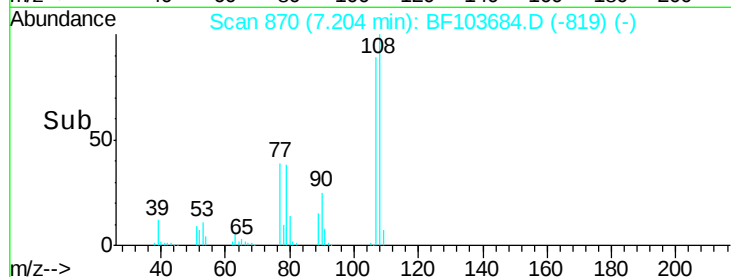


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.408 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

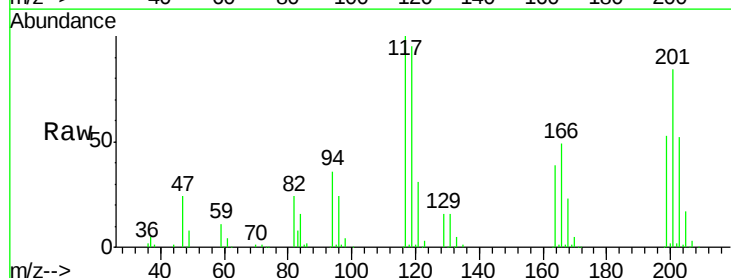
Tgt Ion:117 Resp: 186184

Ion Ratio Lower Upper

117 100

119 95.4 75.8 113.8

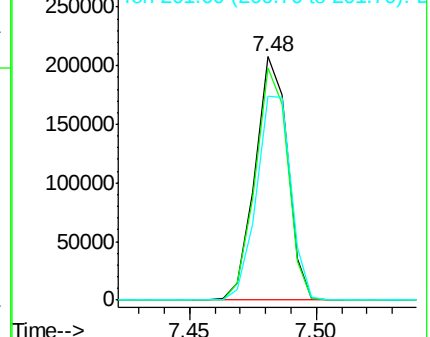
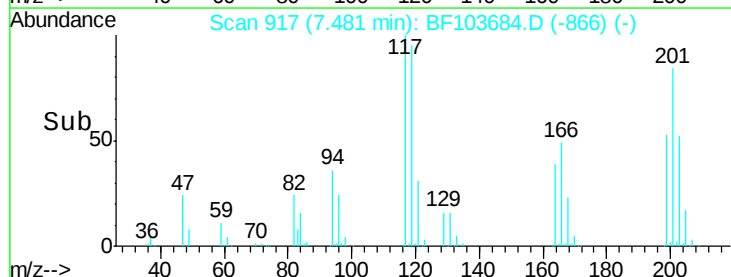
201 83.5 75.7 113.5

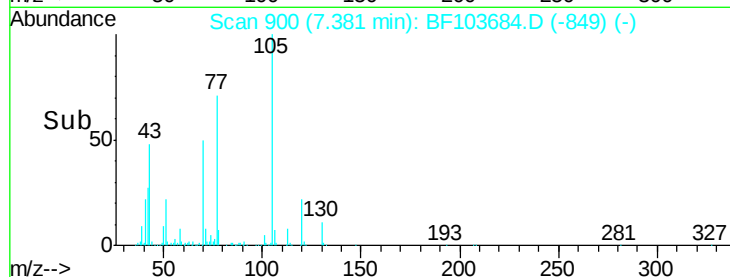
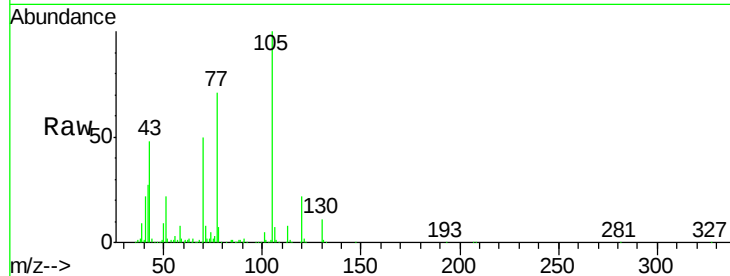
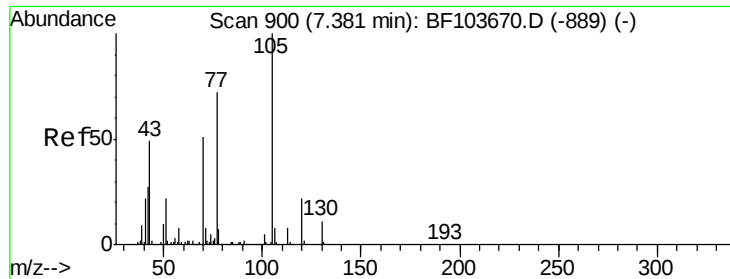


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

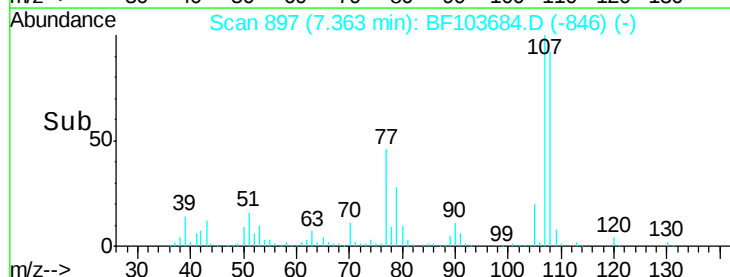
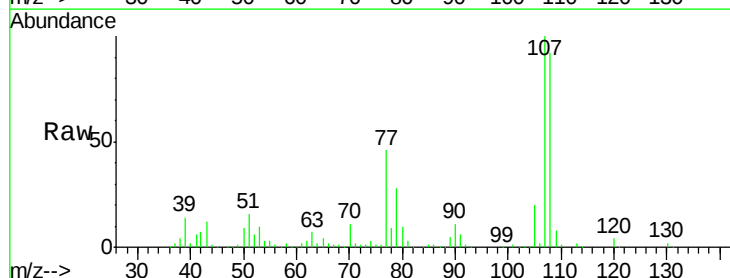
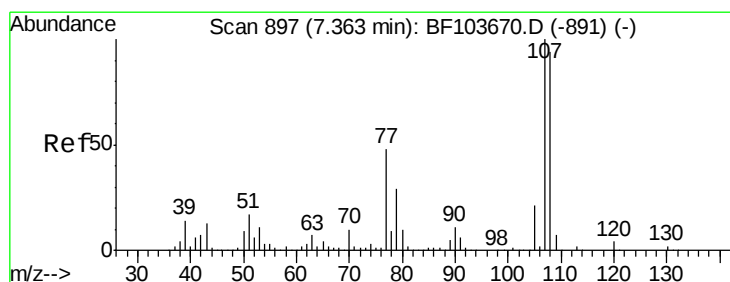
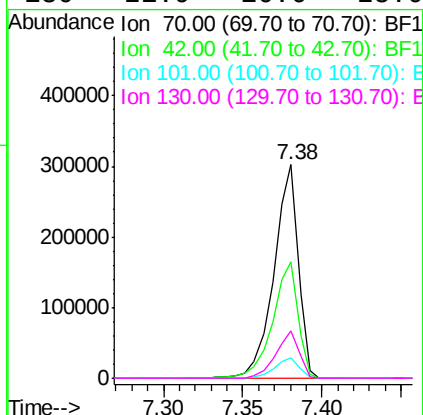




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.572 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

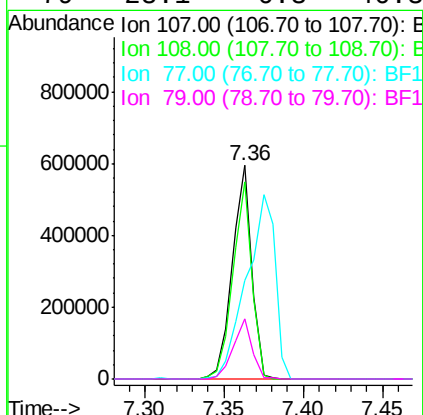
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

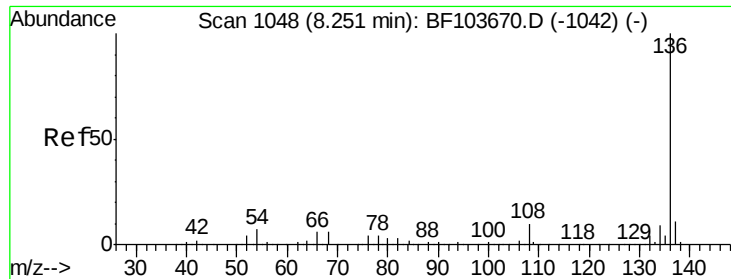
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 54.5  | 47.5  | 71.3  |
| 101     | 9.8   | 7.4   | 11.2  |
| 130     | 21.9  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 41.160 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 92.4  | 68.2  | 108.2 |
| 77      | 46.1  | 26.7  | 66.7  |
| 79      | 28.1  | 6.3   | 46.3  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:136 Resp: 654627

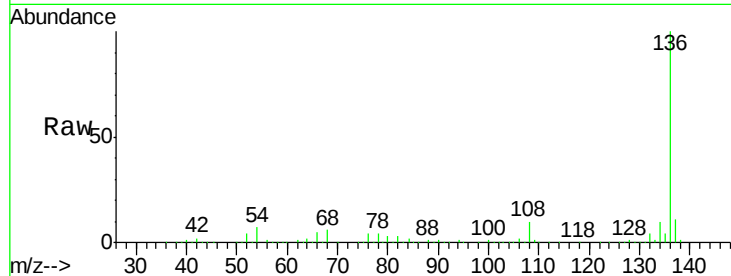
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 7.3 6.6 9.8

68 6.4 5.0 7.4

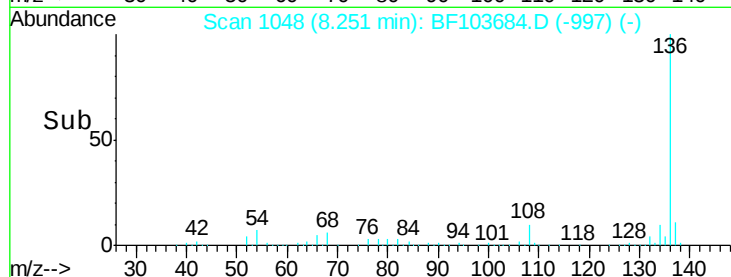


Abundance Ion 136.00 (135.70 to 136.70): E

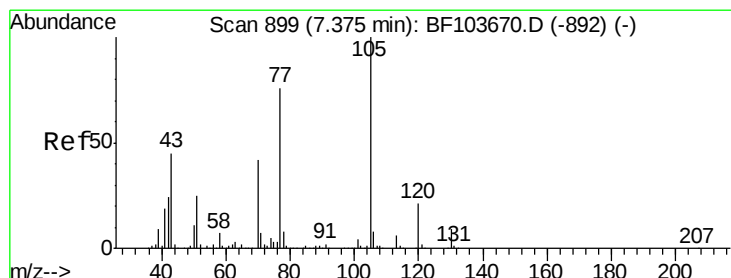
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 39.654 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Tgt Ion:105 Resp: 667151

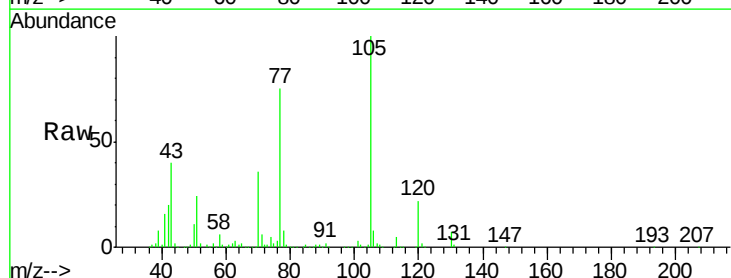
Ion Ratio Lower Upper

105 100

71 6.0 4.4 6.6

51 24.4 22.3 33.5

120 21.8 16.9 25.3

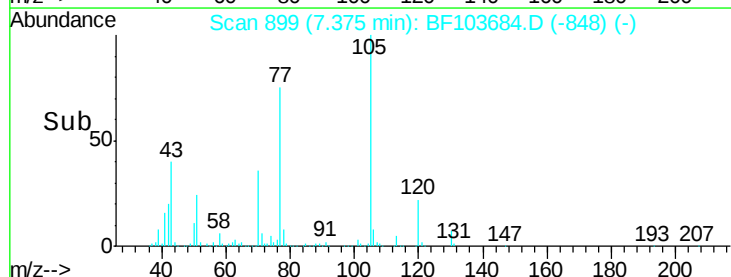


Abundance Ion 105.00 (104.70 to 105.70): E

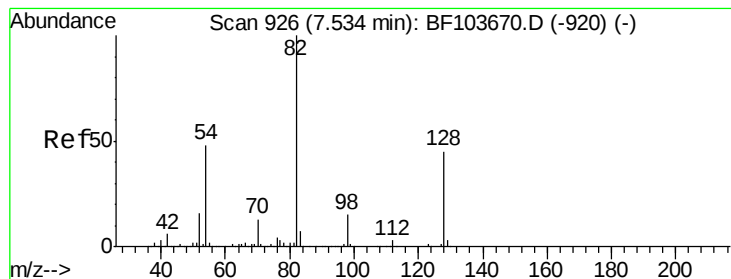
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 93.750 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

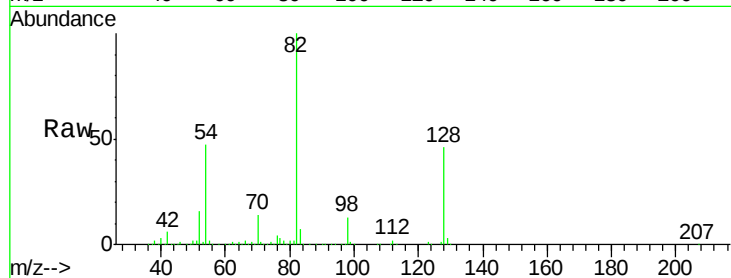
Tot Ion: 82 Resp: 880053

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

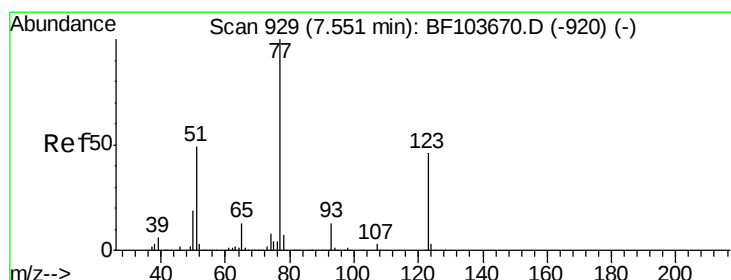
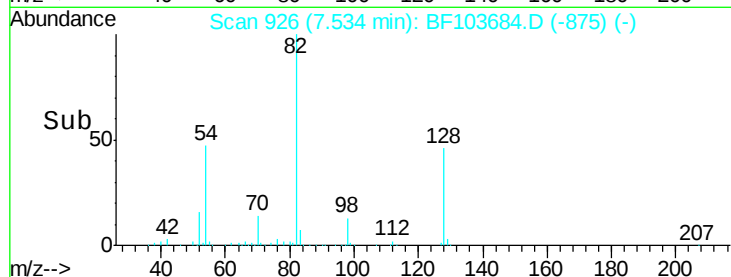
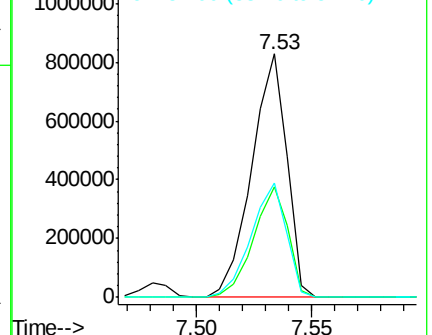
54 47.1 41.4 62.2



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: 44.231 ng

RT: 7.55 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

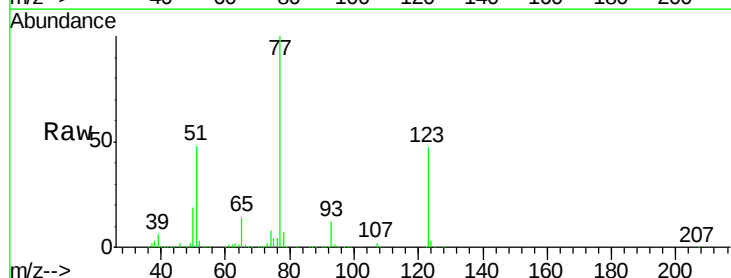
Tgt Ion: 77 Resp: 487451

Ion Ratio Lower Upper

77 100

123 47.1 37.9 56.9

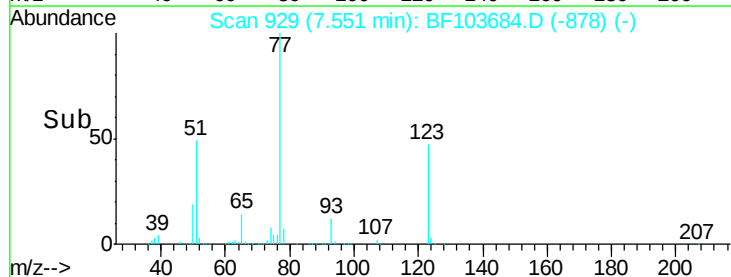
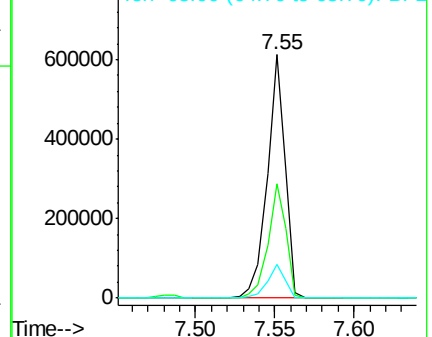
65 13.7 11.0 16.4

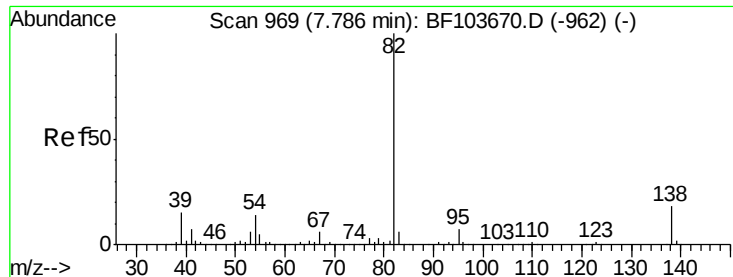


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 39.579 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

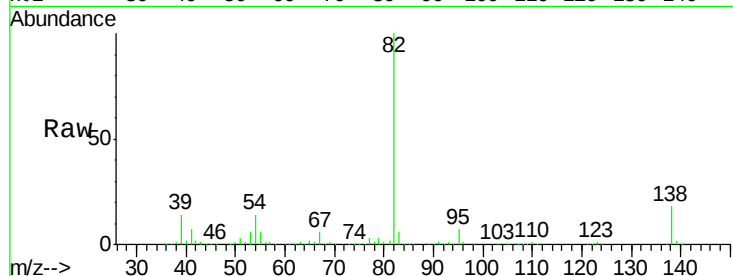
Tot Ion: 82 Resp: 860079

Ion Ratio Lower Upper

82 100

95 6.9 5.2 7.8

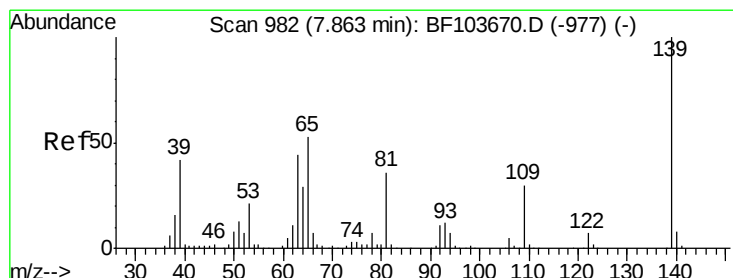
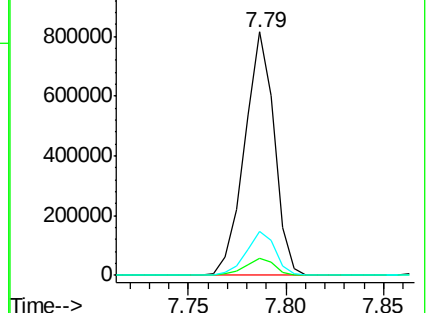
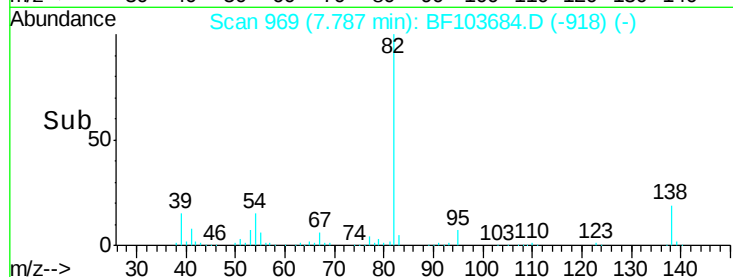
138 18.0 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.723 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

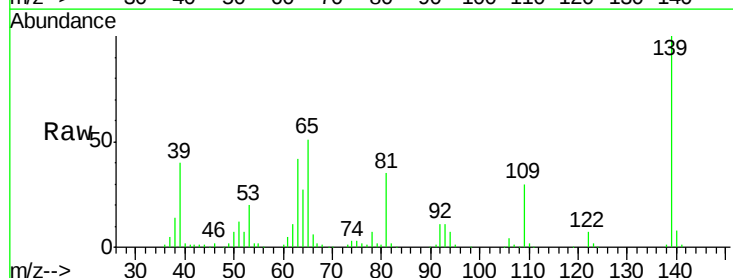
Tgt Ion: 139 Resp: 199818

Ion Ratio Lower Upper

139 100

109 29.5 22.7 34.1

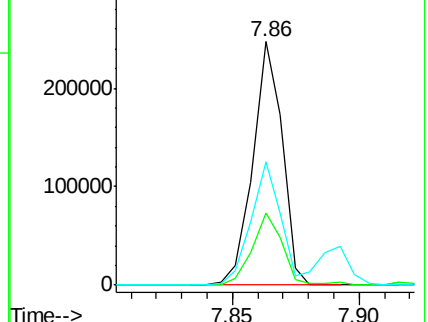
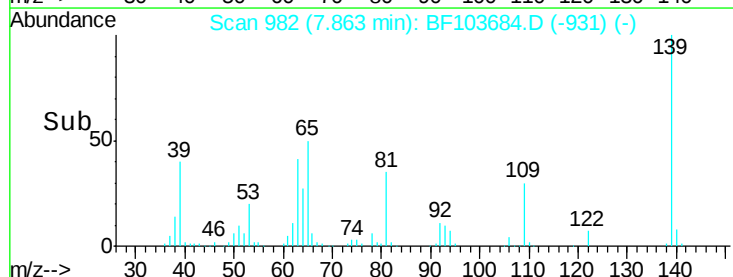
65 50.8 40.5 60.7

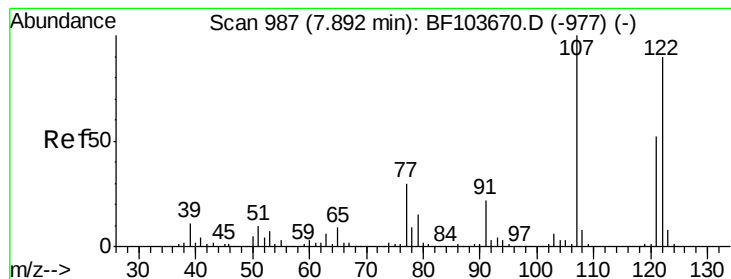


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 41.305 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

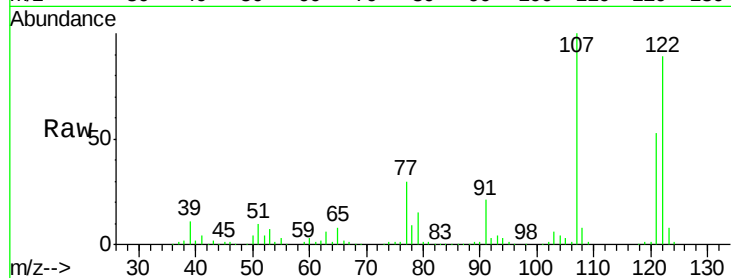
Tot Ion:122 Resp: 384527

Ion Ratio Lower Upper

122 100

107 111.8 91.2 136.8

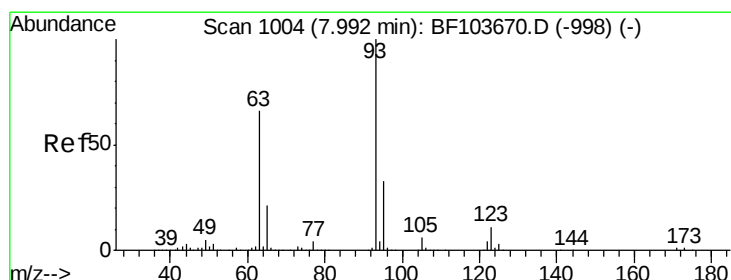
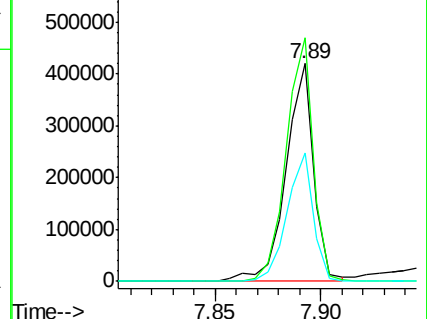
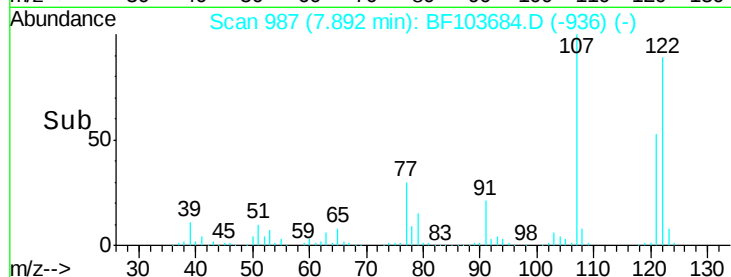
121 58.9 47.2 70.8



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: 40.231 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

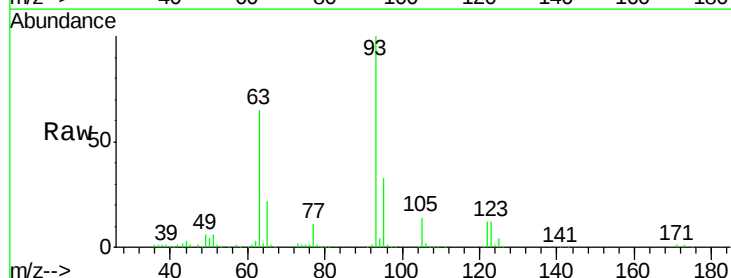
Tgt Ion: 93 Resp: 529397

Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

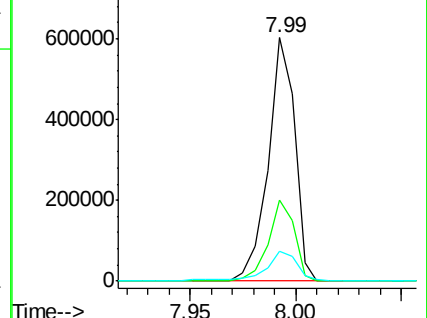
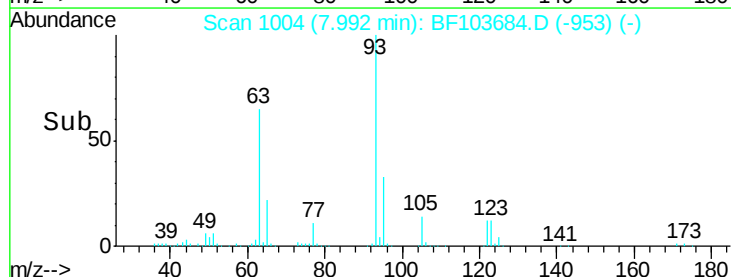
123 12.4 9.8 14.6



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: 42.520 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

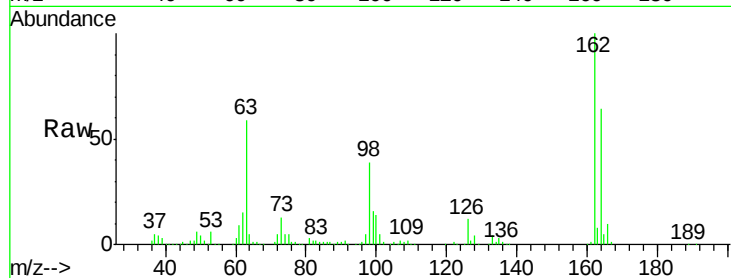
Tot Ion:162 Resp: 360126

Ion Ratio Lower Upper

162 100

164 64.0 42.7 82.7

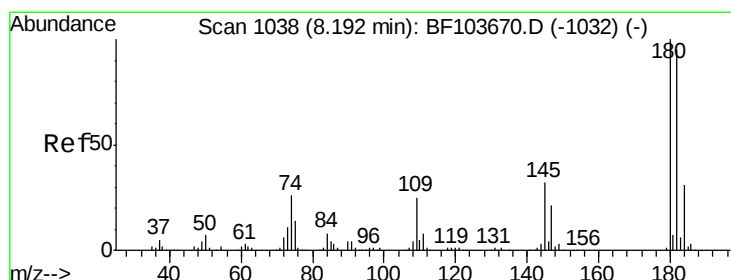
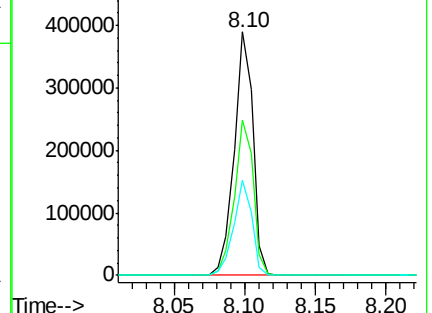
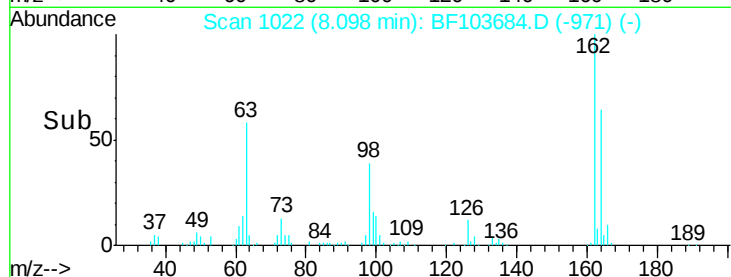
98 39.0 18.1 58.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 40.725 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

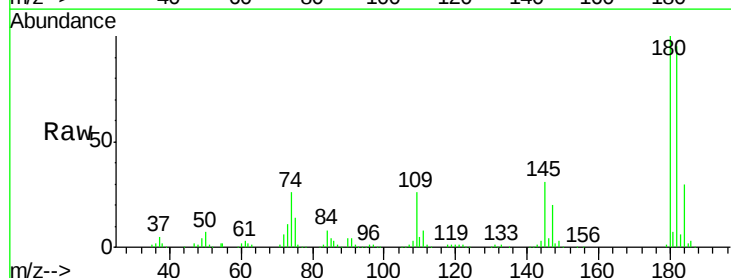
Tgt Ion:180 Resp: 400057

Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

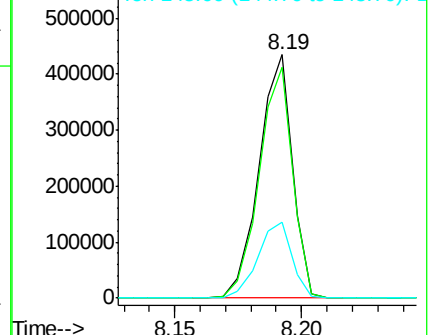
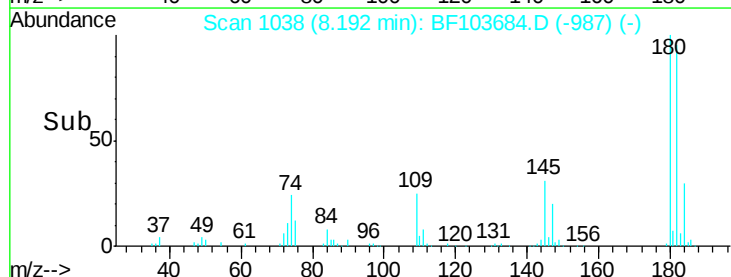
145 31.0 26.5 39.7

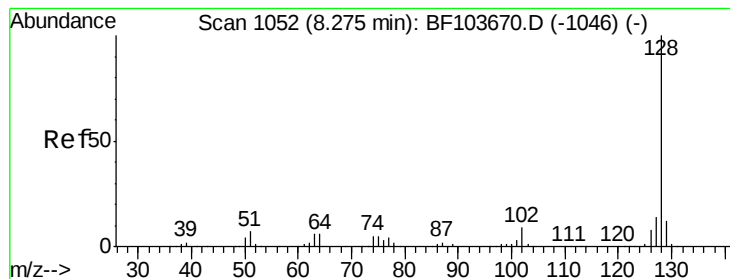


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.131 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

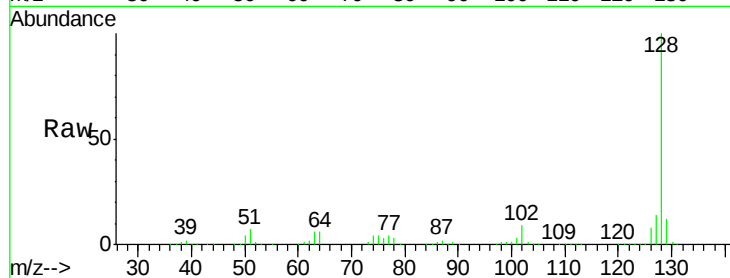
Tot Ion:128 Resp: 1327061

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

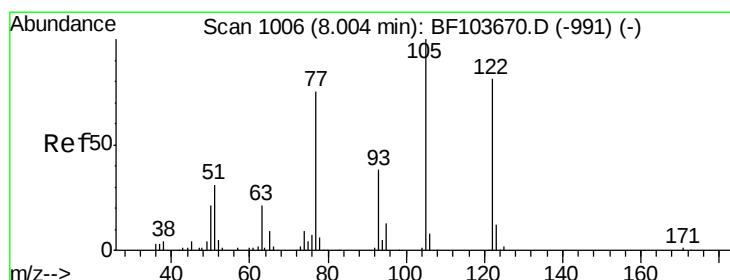
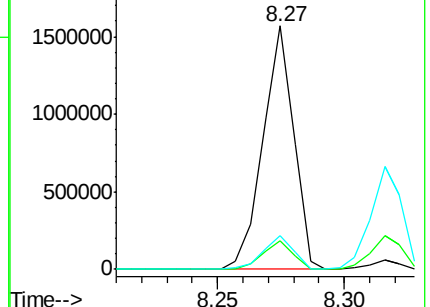
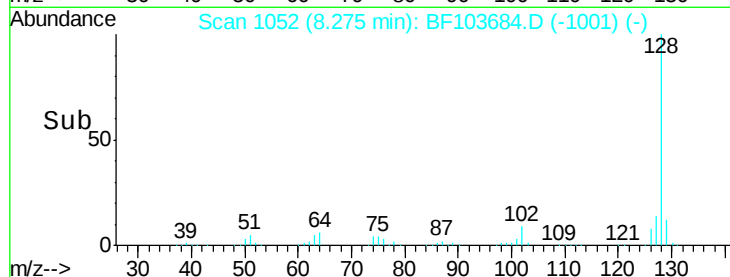
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 47.307 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

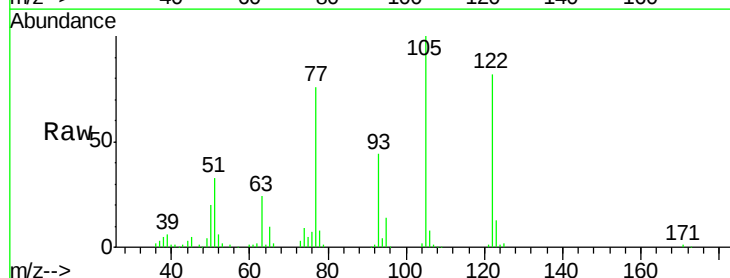
Tgt Ion:122 Resp: 309564

Ion Ratio Lower Upper

122 100

105 122.0 101.1 141.1

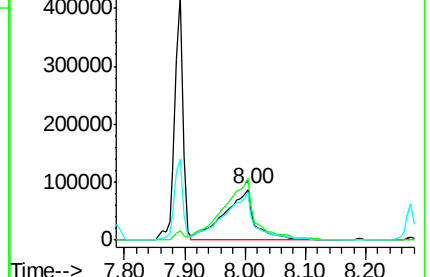
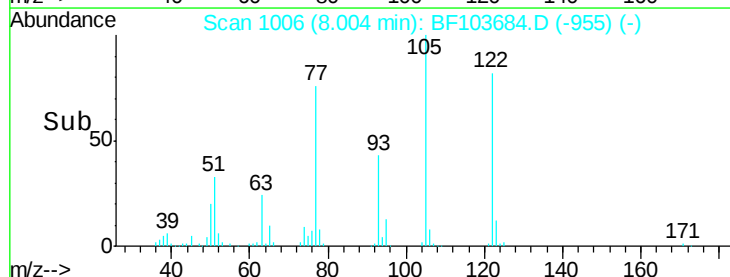
77 93.2 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

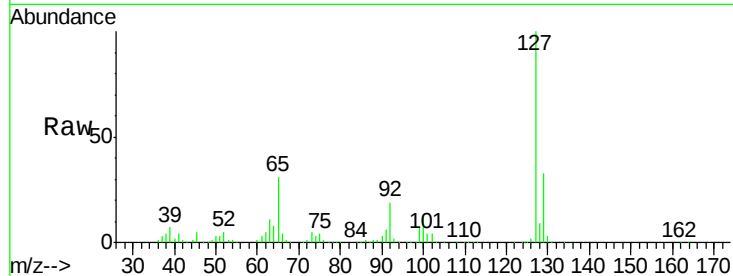




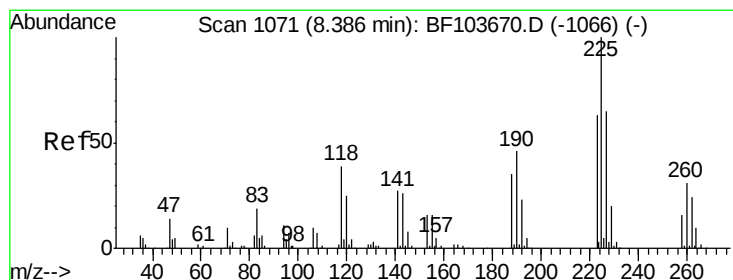
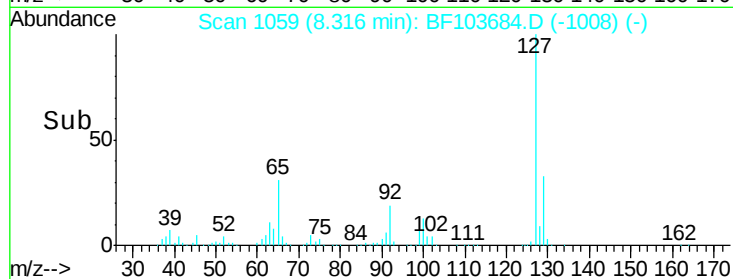
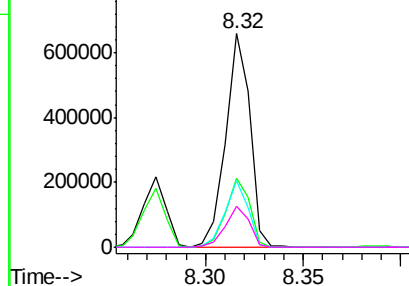
#33  
4-Chloroaniline  
Concen: 40.793 ng  
RT: 8.32 min Scan# 1059  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 565927 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.6  | 25.9  | 38.9   |
| 65       | 31.2  | 25.0  | 37.4   |
| 92       | 19.4  | 15.2  | 22.8   |

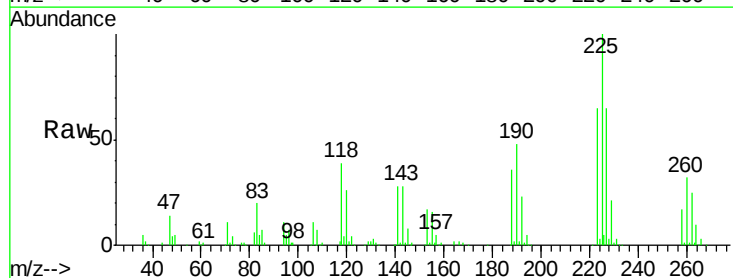


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

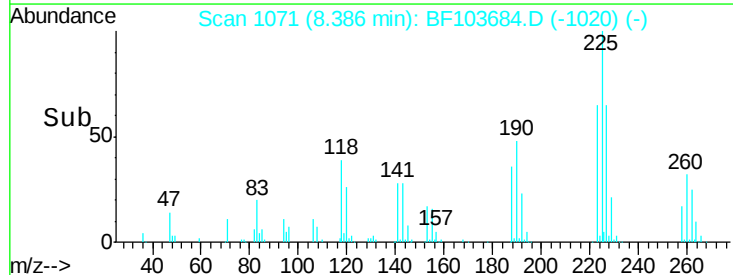
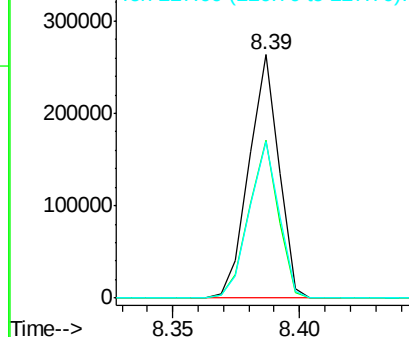


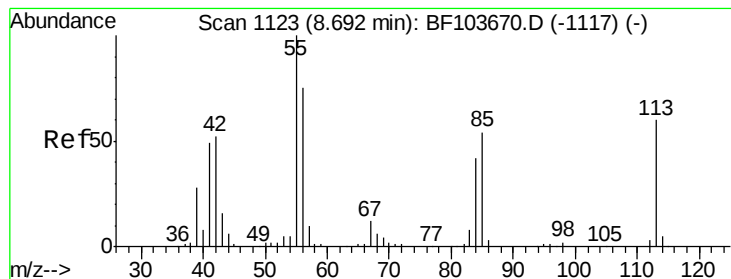
#34  
Hexachlorobutadiene  
Concen: 40.094 ng  
RT: 8.39 min Scan# 1071  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 215946 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.8  | 50.6  | 76.0   |
| 227      | 64.6  | 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: 41.656 ng

RT: 8.69 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

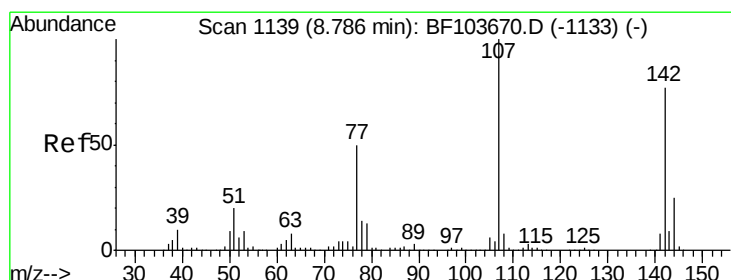
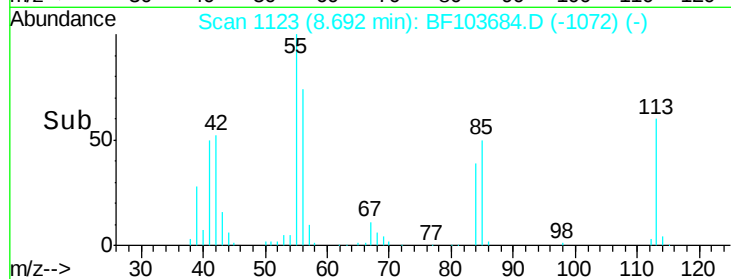
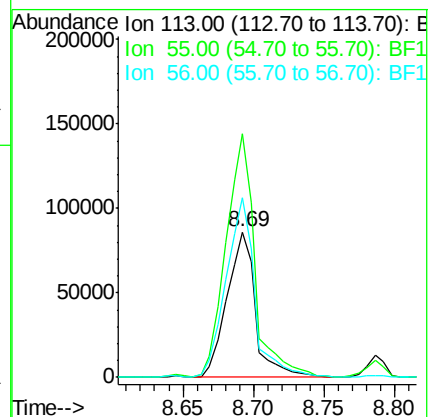
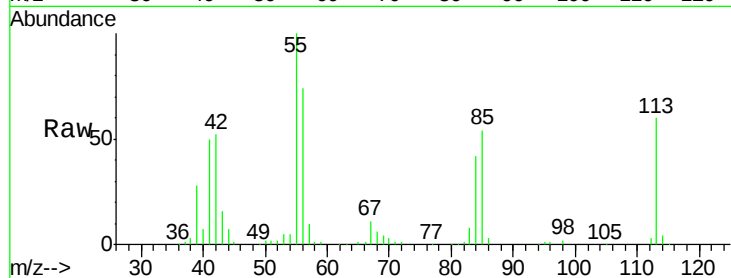
Tot Ion:113 Resp: 121489

Ion Ratio Lower Upper

113 100

55 167.8 163.3 203.3

56 124.0 115.7 155.7



#36

4-Chloro-3-methylphenol

Concen: 41.749 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

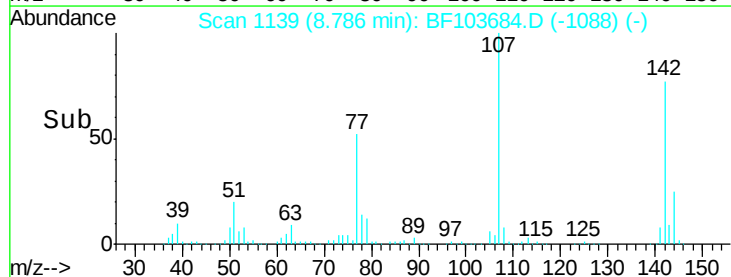
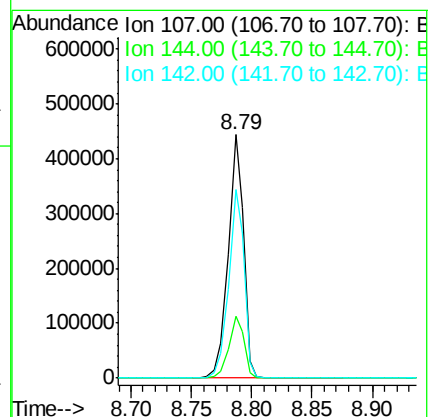
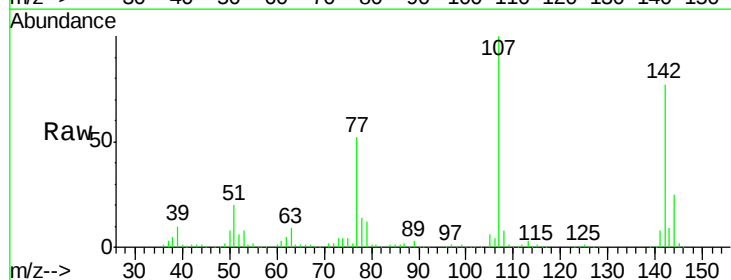
Tgt Ion:107 Resp: 389813

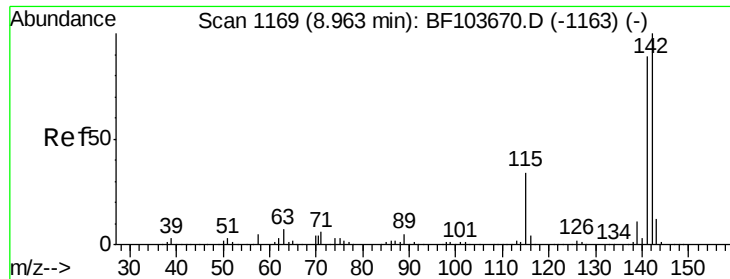
Ion Ratio Lower Upper

107 100

144 25.2 20.5 30.7

142 77.3 62.0 93.0

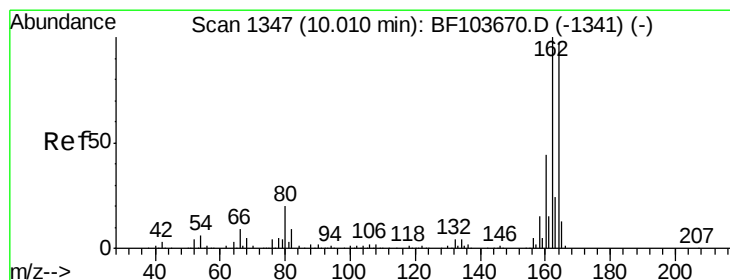
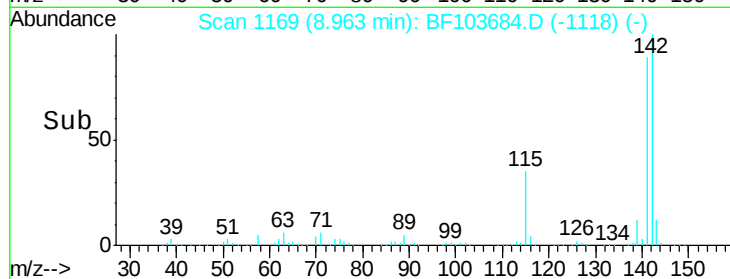
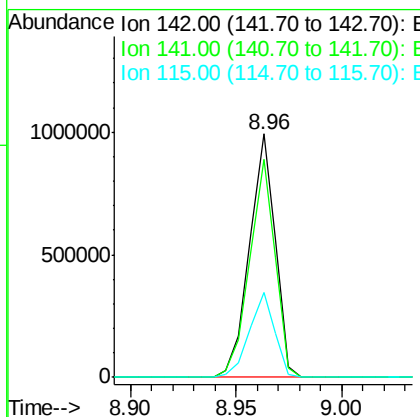
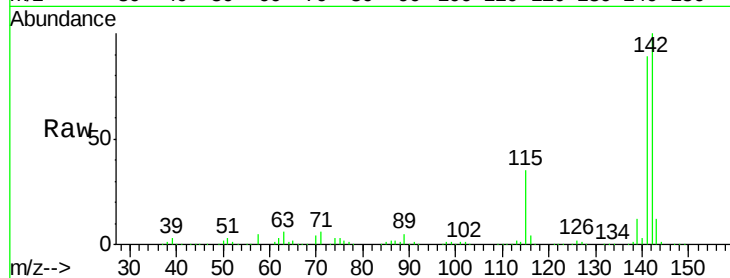




#37  
 2-Methylnaphthalene  
 Concen: 40.246 ng  
 RT: 8.96 min Scan# 1169  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

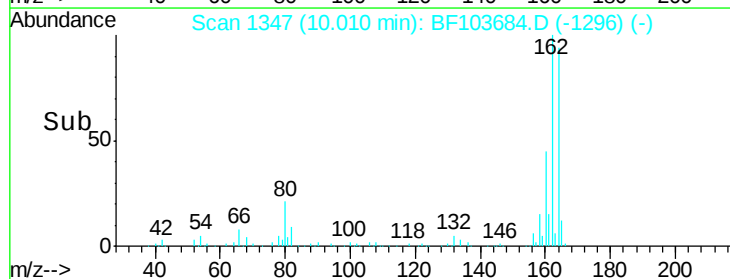
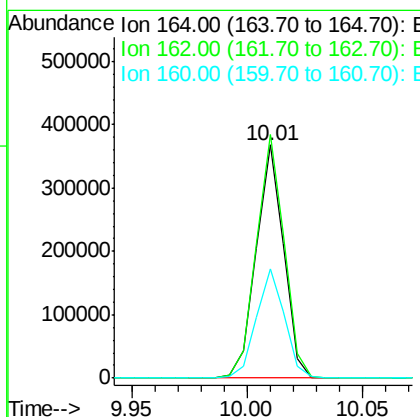
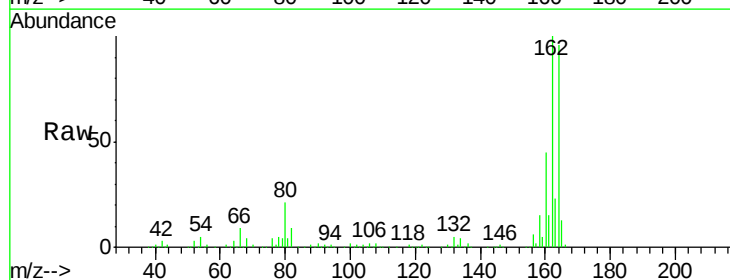
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTCCCC040

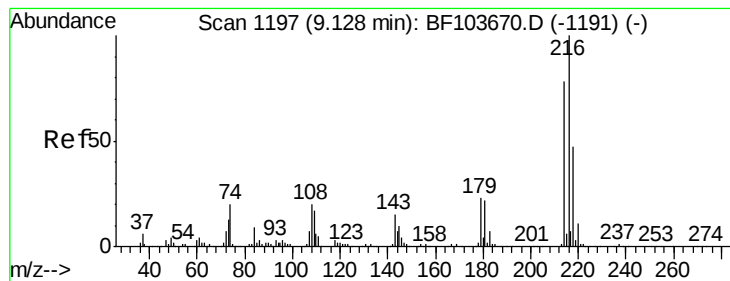
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 70.8  | 106.2 |
| 115     | 35.0  | 26.1  | 39.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 86.1  | 129.1 |
| 160     | 46.7  | 38.3  | 57.5  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.664 ng

RT: 9.13 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:216 Resp: 355305

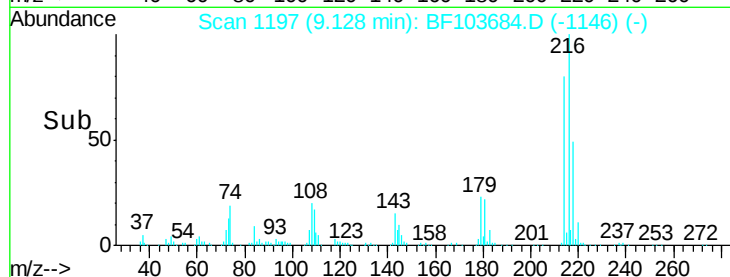
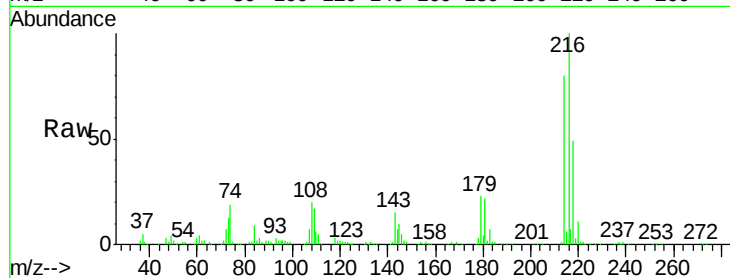
Ion Ratio Lower Upper

216 100

214 79.5 63.0 94.4

179 22.3 18.1 27.1

108 22.0 17.2 25.8

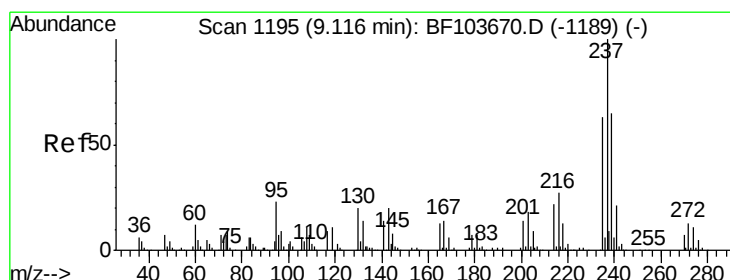
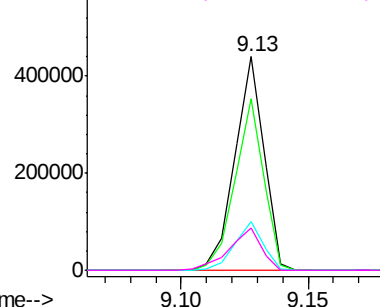


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 45.315 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

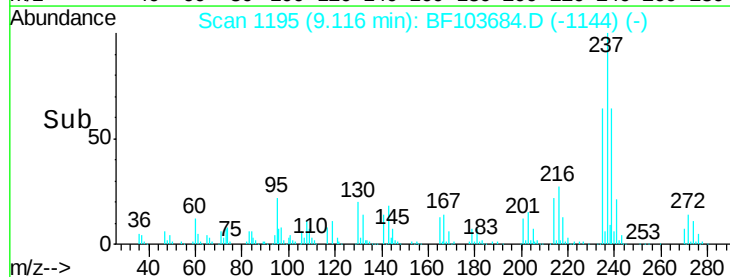
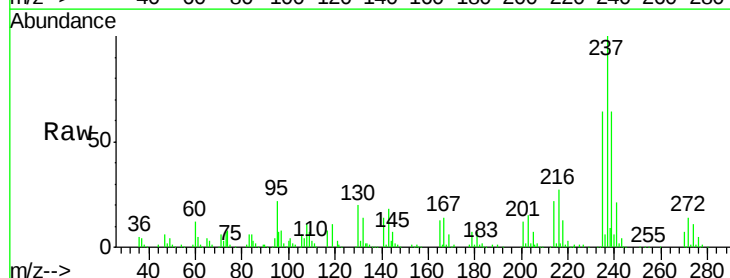
Tgt Ion:237 Resp: 204311

Ion Ratio Lower Upper

237 100

235 64.2 44.8 84.8

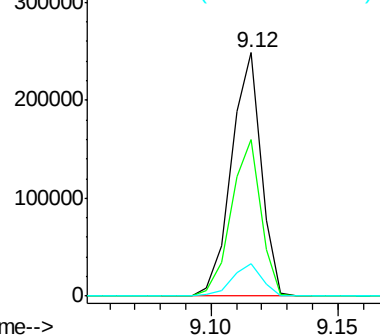
272 13.6 0.0 33.3

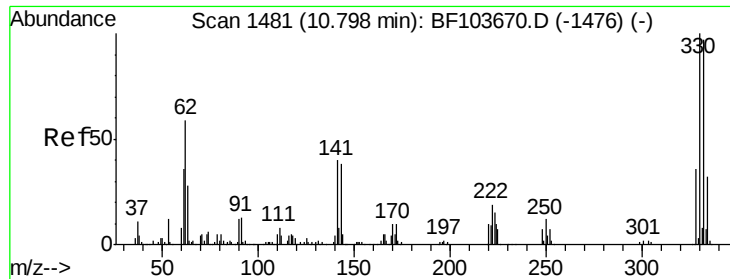


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

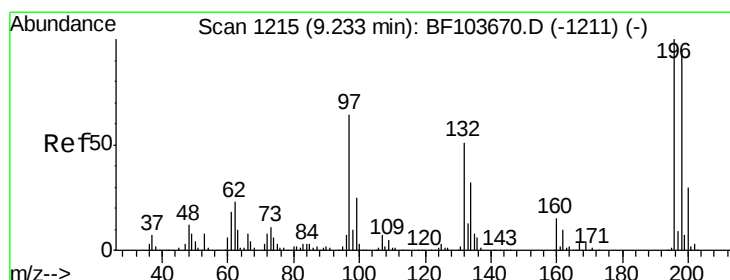
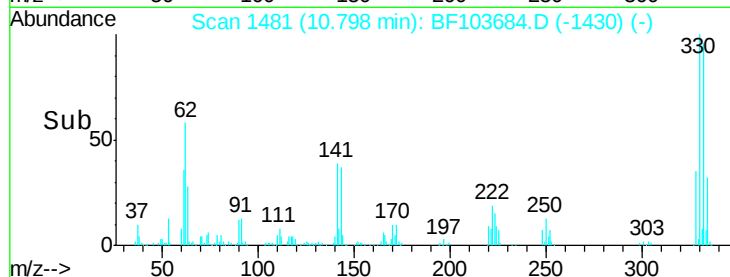
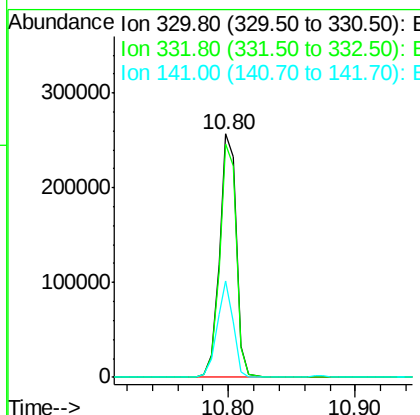
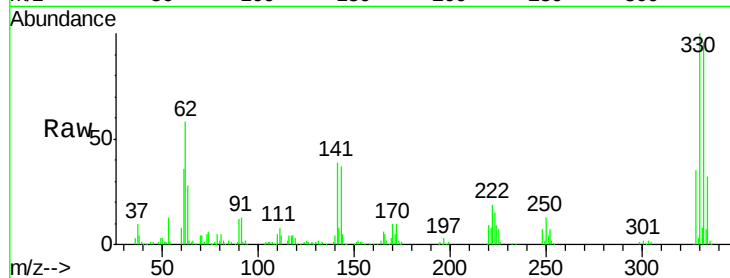




#41  
 2,4,6-Tribromophenol  
 Concen: 90.850 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

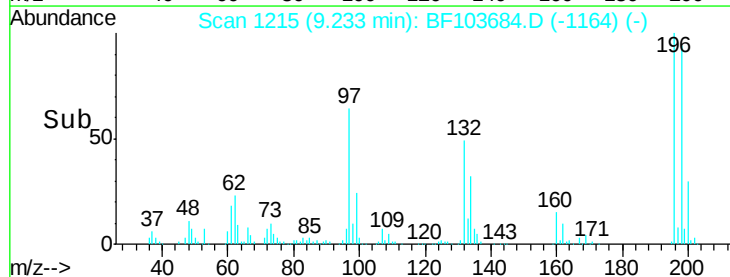
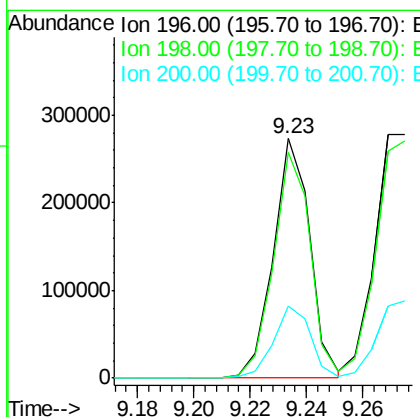
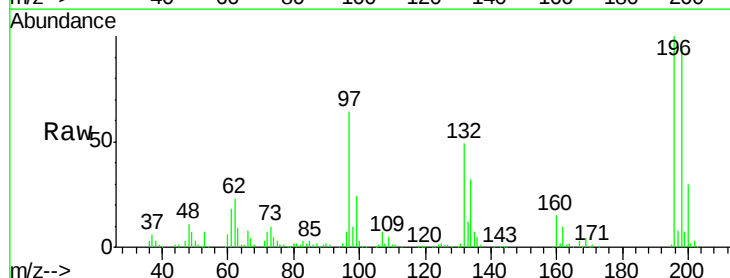
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

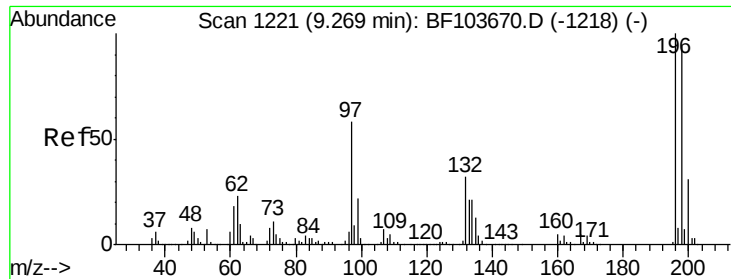
Tot Ion:330 Resp: 239243  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.0 115.6  
 141 37.7 29.9 44.9



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.888 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Tgt Ion:196 Resp: 245286  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 75.7 113.5  
 200 30.2 24.5 36.7

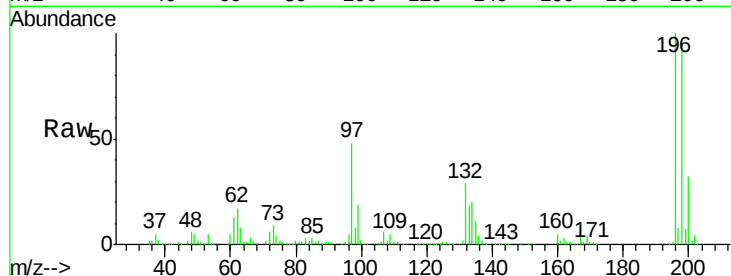




#43  
 2,4,5-Trichlorophenol  
 Concen: 43.733 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.4  | 74.6  | 112.0 |
| 97      | 48.3  | 42.9  | 64.3  |
| 132     | 29.1  | 26.3  | 39.5  |



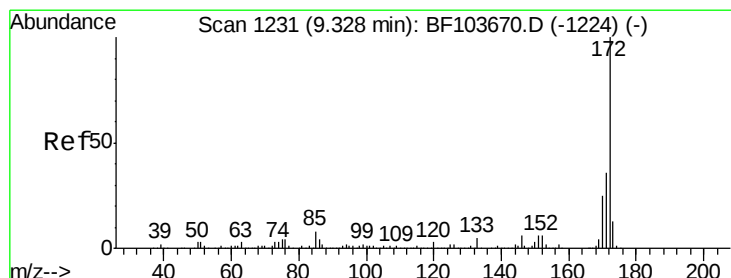
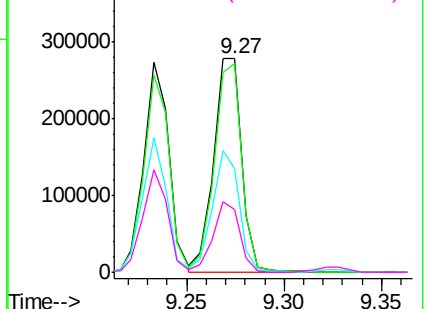
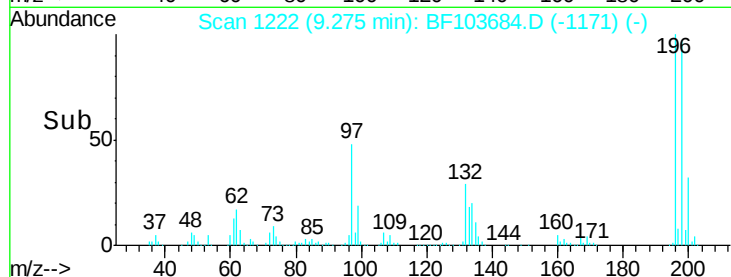
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

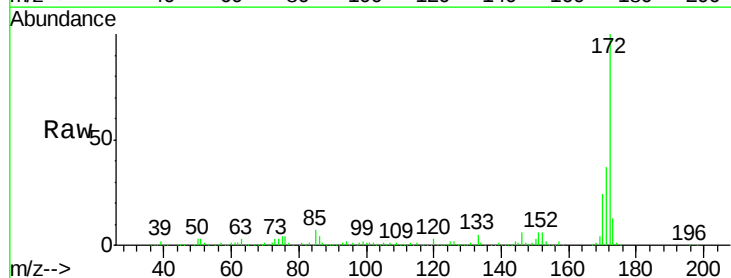
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 77.533 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 24.5  | 19.6  | 29.4  |

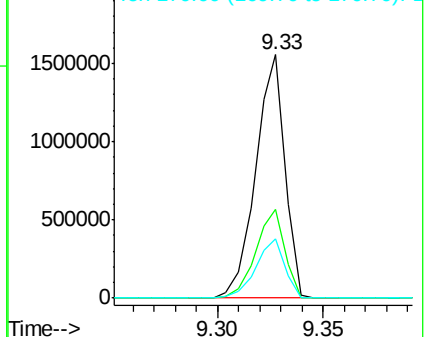
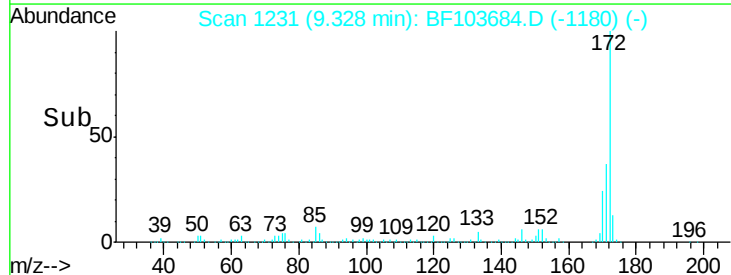


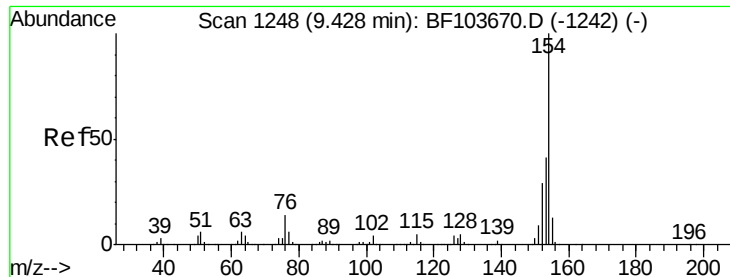
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 40.059 ng

RT: 9.43 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

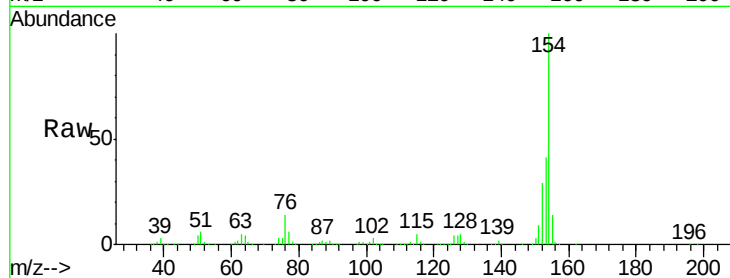
Tot Ion:154 Resp: 1023058

Ion Ratio Lower Upper

154 100

153 41.4 21.3 61.3

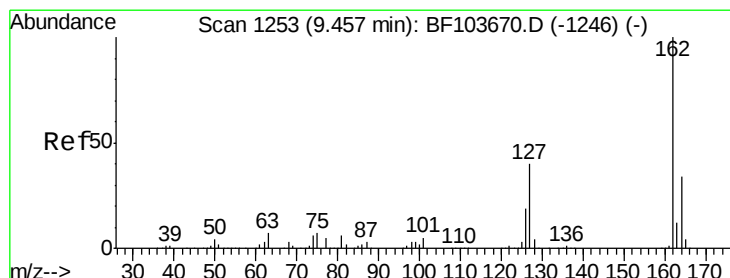
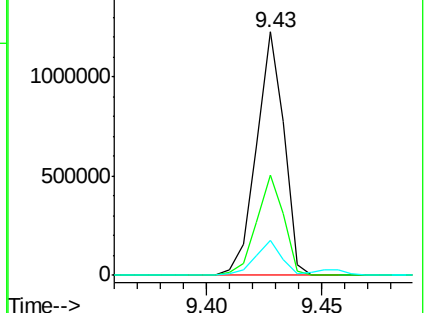
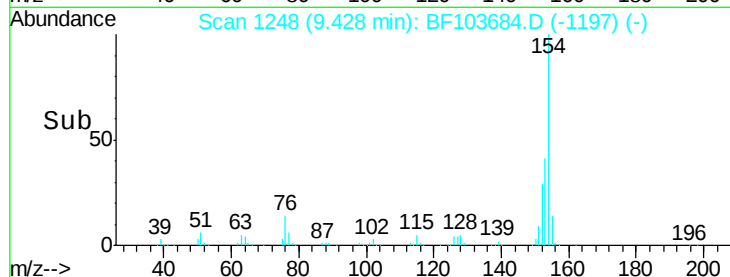
76 14.3 0.0 34.0



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: 40.195 ng

RT: 9.46 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

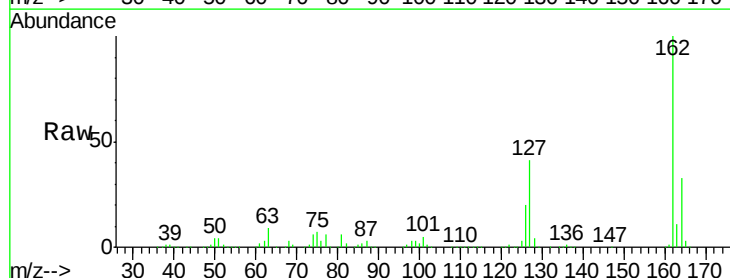
Tgt Ion:162 Resp: 815327

Ion Ratio Lower Upper

162 100

127 40.8 33.9 50.9

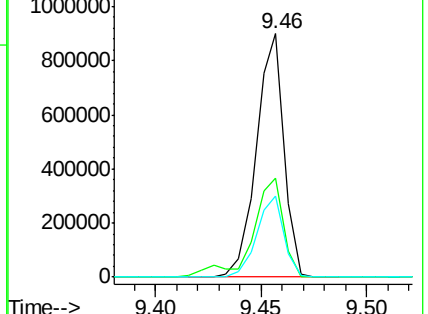
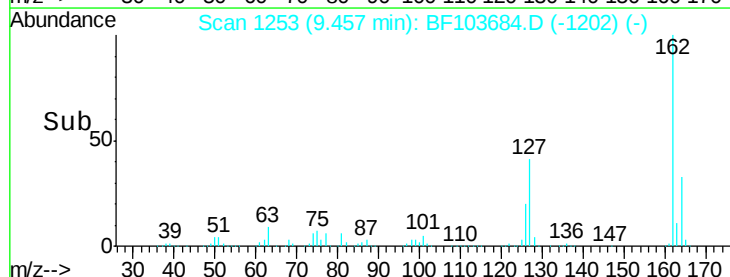
164 33.1 26.5 39.7

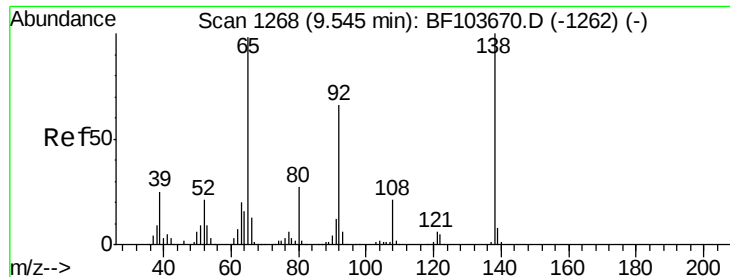


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

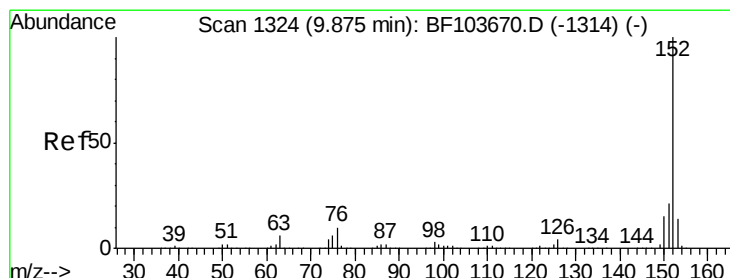
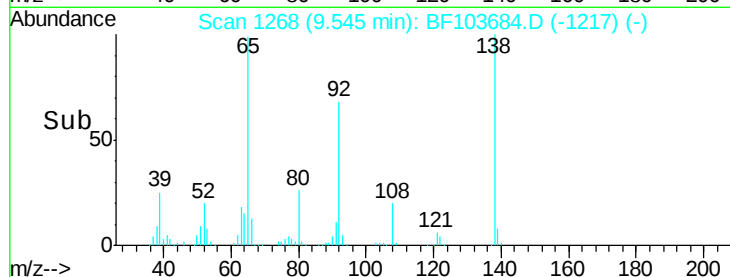
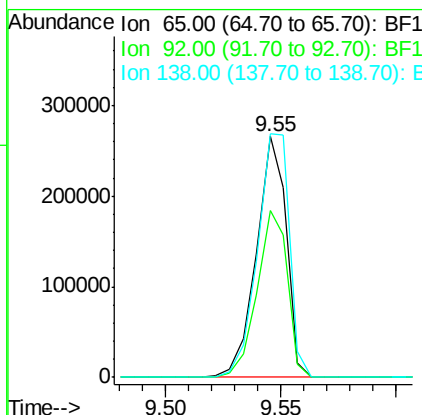
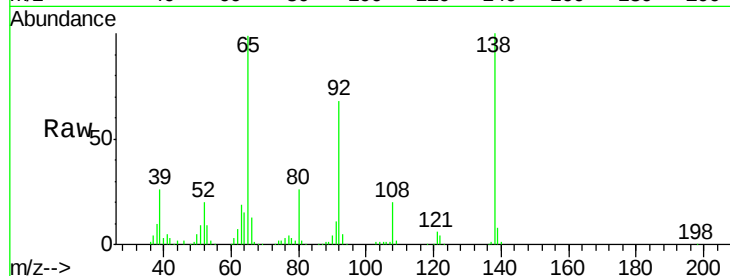




#47  
2-Nitroaniline  
Concen: 45.790 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

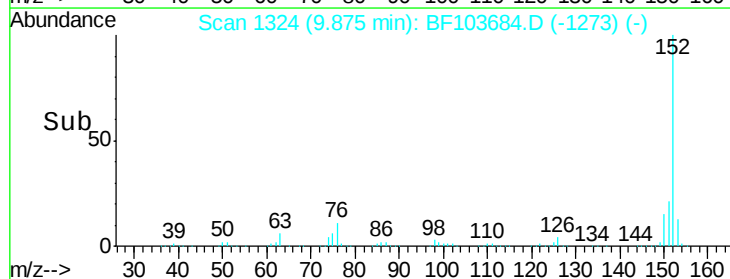
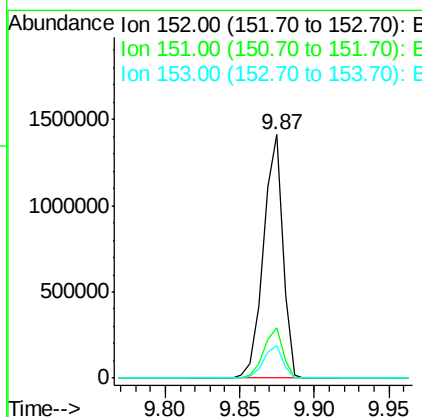
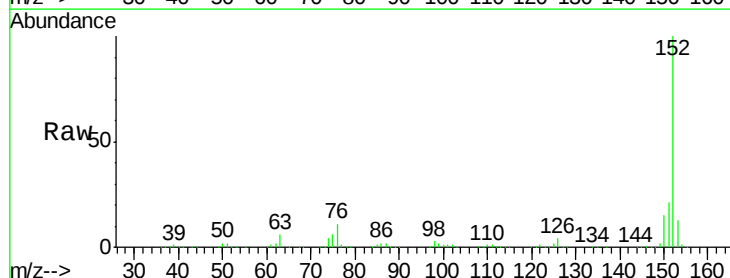
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

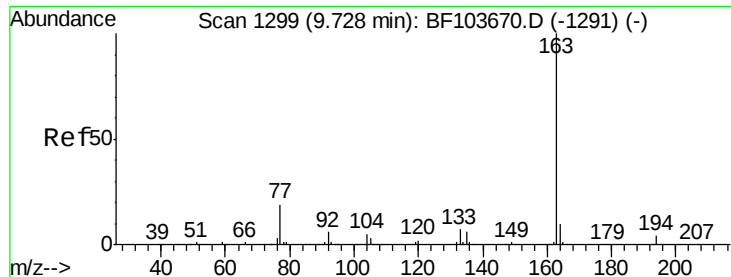
Tot Ion: 65 Resp: 241038  
Ion Ratio Lower Upper  
65 100  
92 69.2 55.8 83.6  
138 101.0 91.2 136.8



#48  
Acenaphthylene  
Concen: 39.752 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion: 152 Resp: 1250395  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.3 24.5  
153 13.5 10.7 16.1





#49

Dimethylphthalate

Concen: 40.195 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

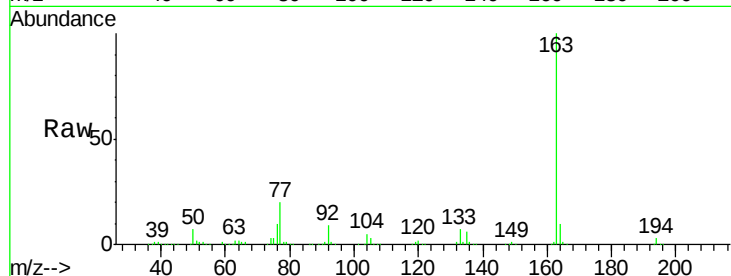
Tot Ion:163 Resp: 939241

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

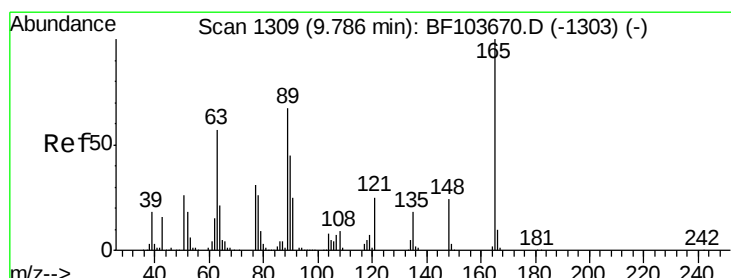
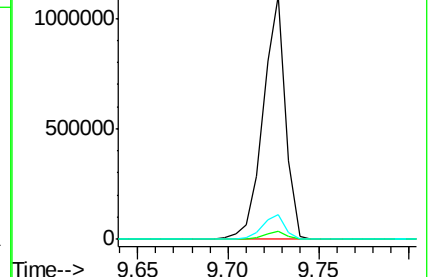
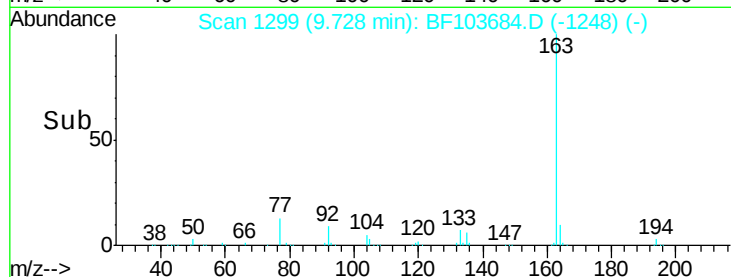
164 10.3 8.2 12.2



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: 44.540 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

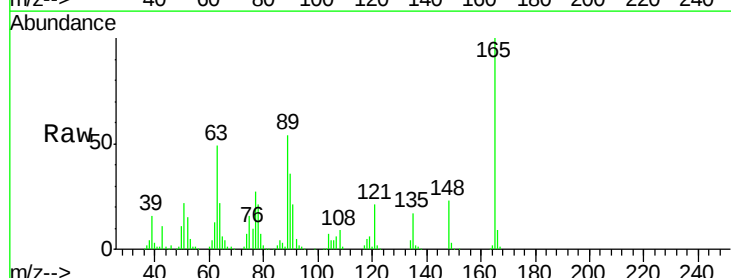
Tgt Ion:165 Resp: 199920

Ion Ratio Lower Upper

165 100

63 48.7 44.7 67.1

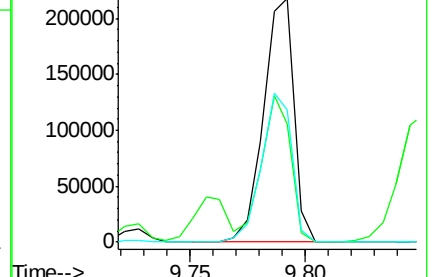
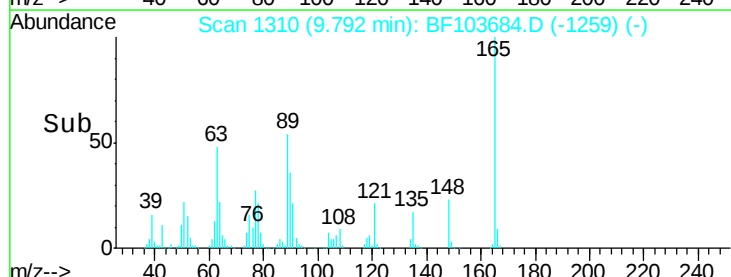
89 54.3 44.0 66.0

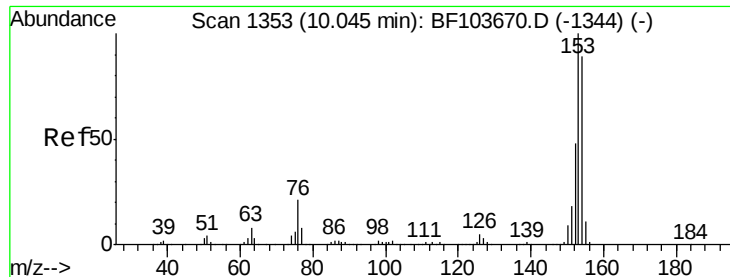


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 40.698 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

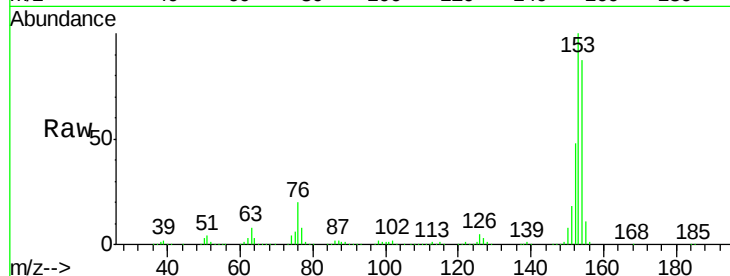
Tot Ion:154 Resp: 760113

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

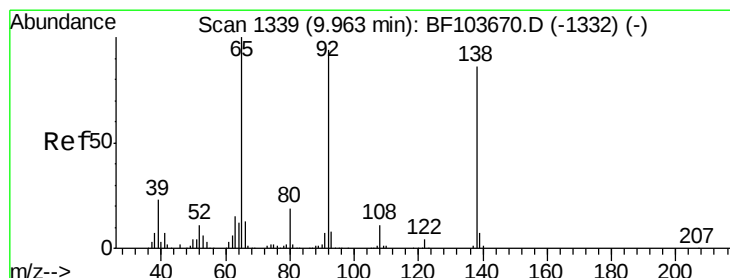
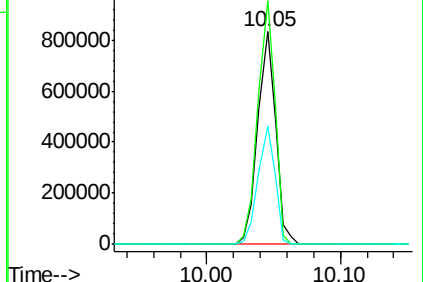
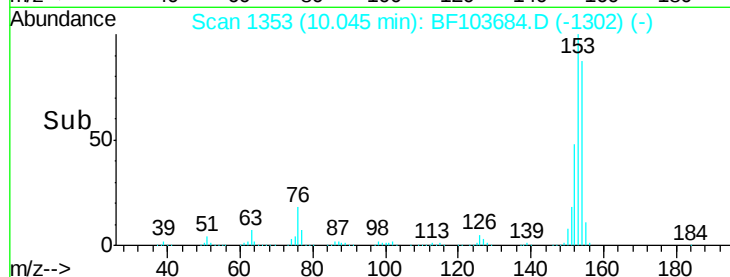
152 55.5 43.8 65.8



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: 43.922 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

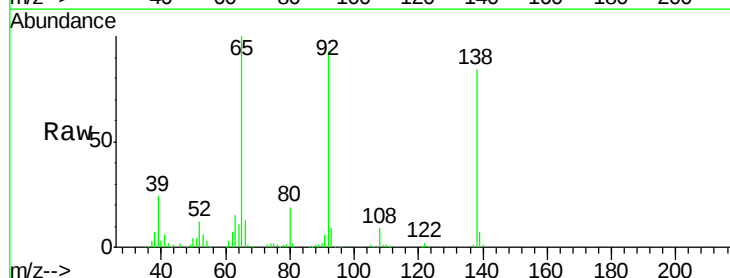
Tgt Ion:138 Resp: 236040

Ion Ratio Lower Upper

138 100

108 10.8 9.4 14.0

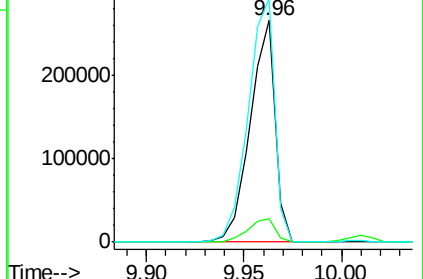
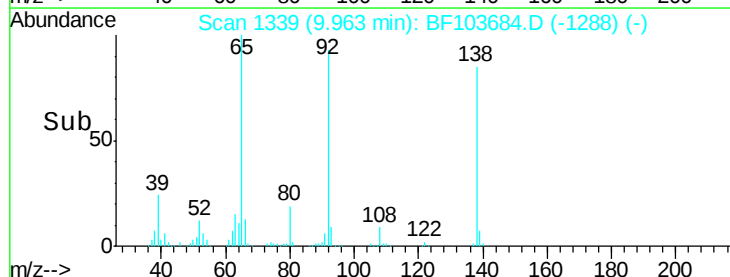
92 110.0 89.4 134.2

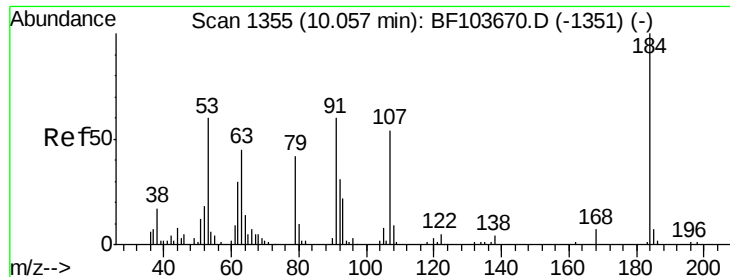


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

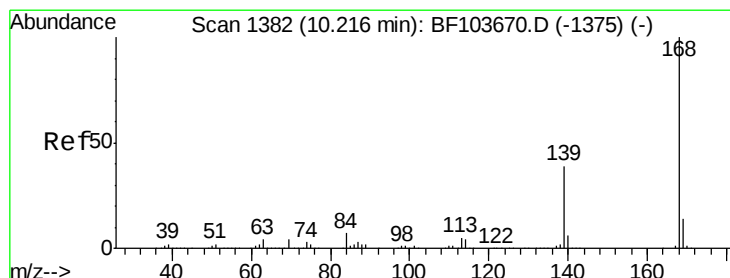
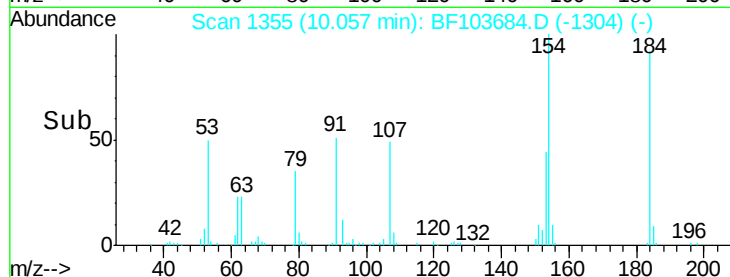
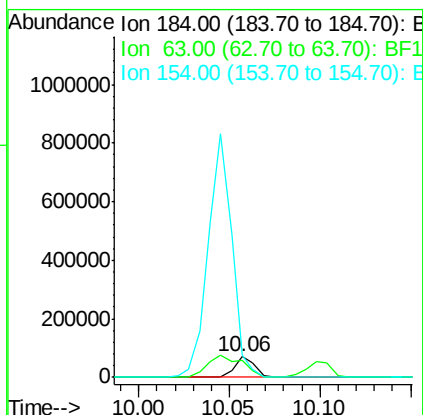
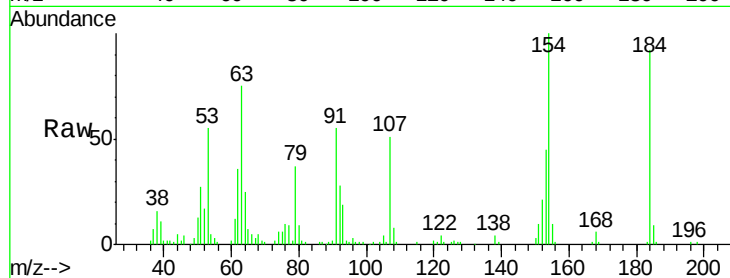




#53  
2,4-Dinitrophenol  
Concen: 52.924 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

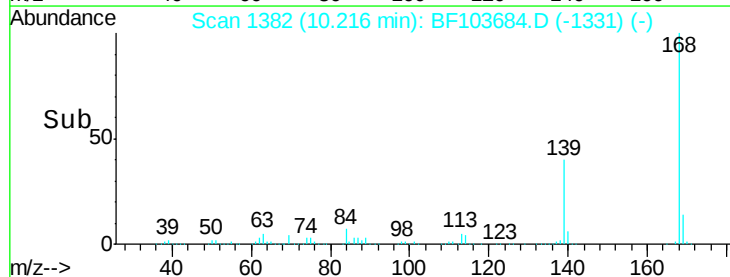
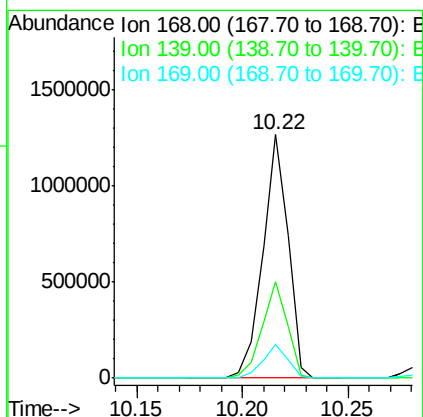
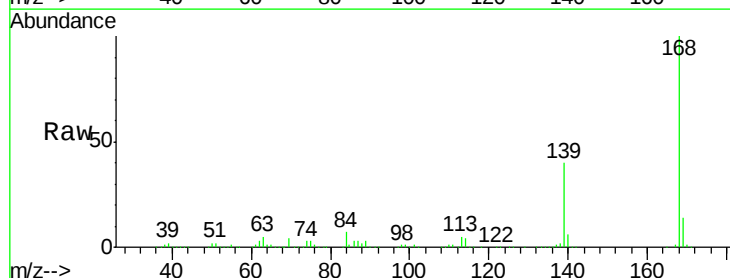
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:184 Resp: 54307  
Ion Ratio Lower Upper  
184 100  
63 81.5 54.2 81.2#  
154 108.2 184.0 276.0#



#54  
Dibenzofuran  
Concen: 39.389 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:168 Resp: 1050695  
Ion Ratio Lower Upper  
168 100  
139 39.8 30.1 45.1  
169 13.8 10.9 16.3

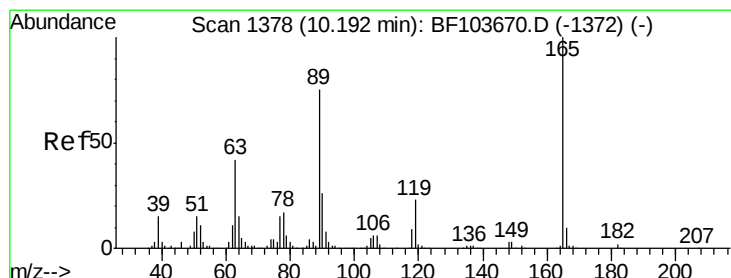
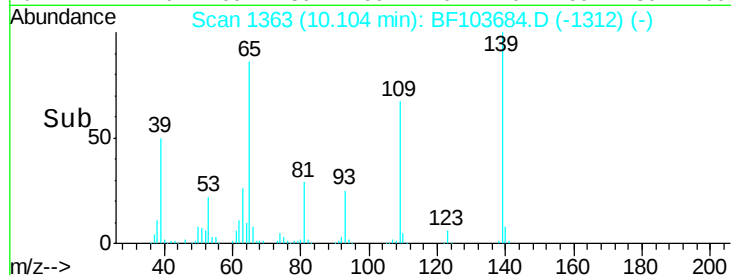
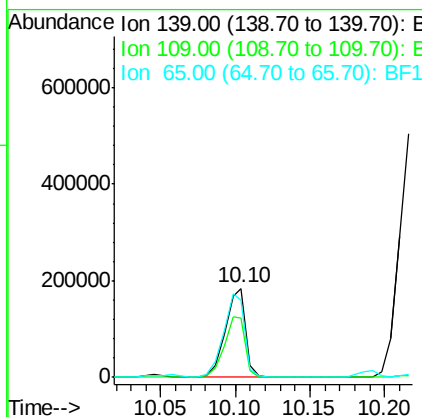
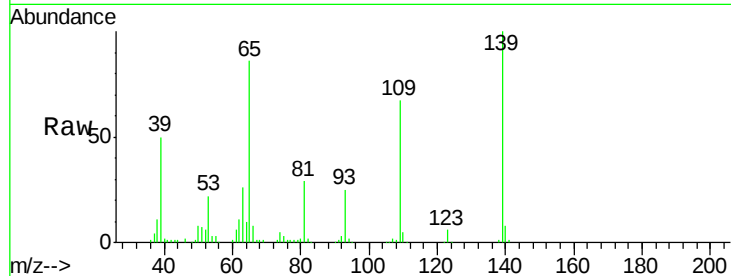




#55  
4-Nitrophenol  
Concen: 43.879 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

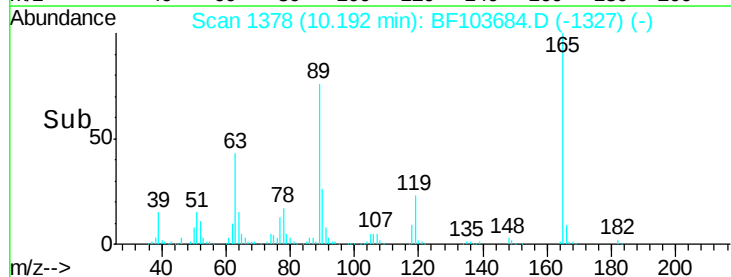
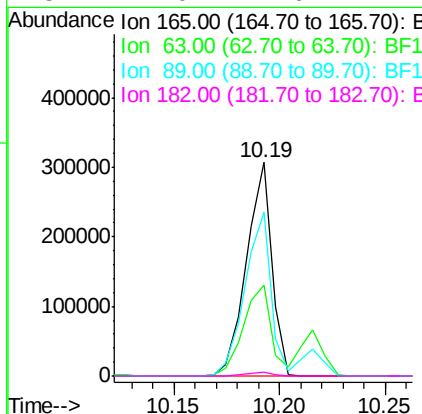
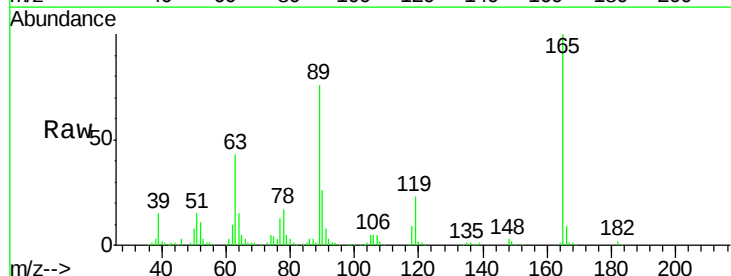
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

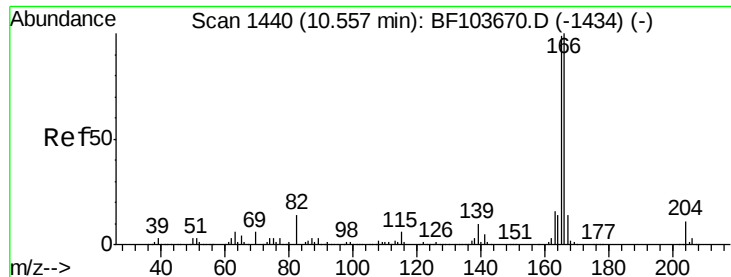
Tot Ion:139 Resp: 177484  
Ion Ratio Lower Upper  
139 100  
109 66.9 48.4 88.4  
65 86.3 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 45.227 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:165 Resp: 256640  
Ion Ratio Lower Upper  
165 100  
63 42.8 36.4 54.6  
89 76.4 57.8 86.6  
182 2.0 1.6 2.4

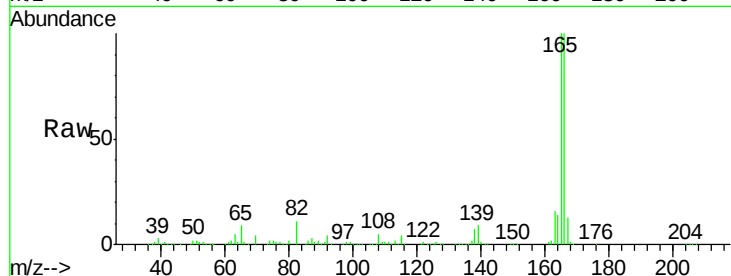




#57  
 Fluorene  
 Concen: 39.374 ng  
 RT: 10.56 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTCCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.9  | 79.8  | 119.8 |
| 167     | 13.3  | 10.6  | 16.0  |

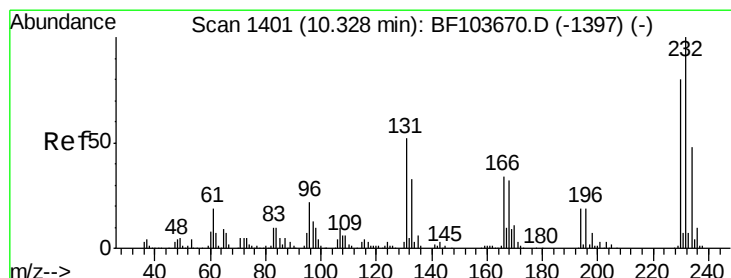
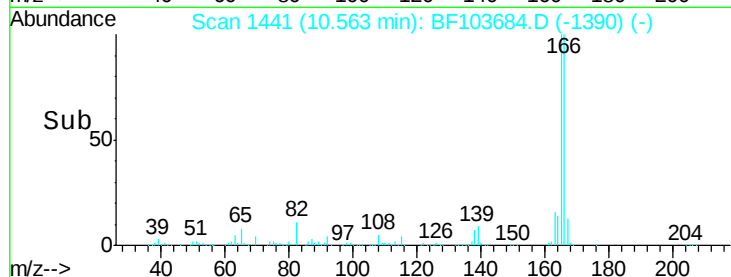
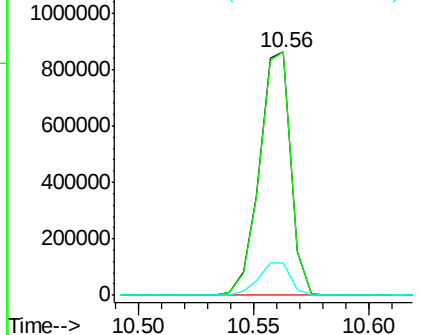


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.300 ng  
 RT: 10.33 min Scan# 1401  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 53.7  | 43.8  | 65.8  |
| 130     | 2.8   | 2.1   | 3.1   |
| 166     | 34.2  | 27.8  | 41.6  |

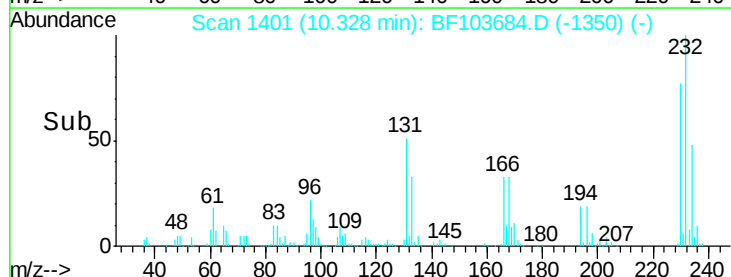
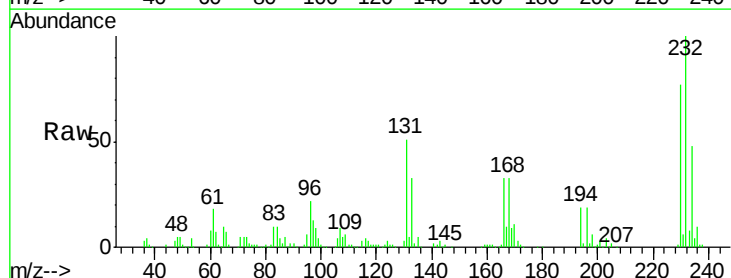
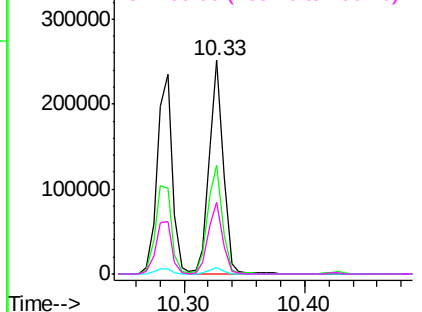
Abundance

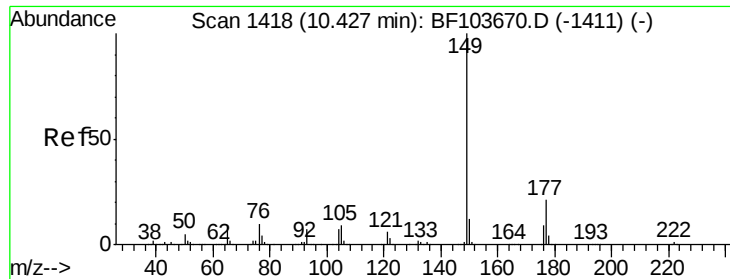
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

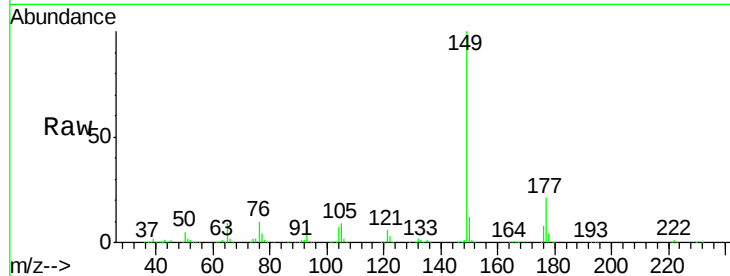




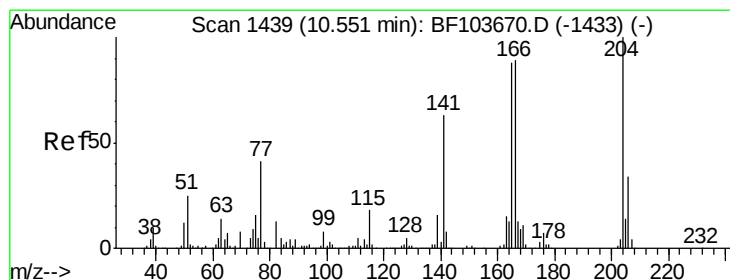
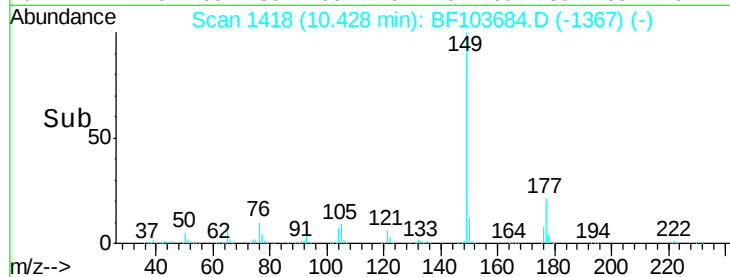
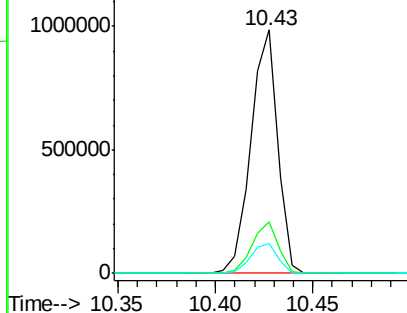
#59  
Diethylphthalate  
Concen: 40.274 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:149 Resp: 934055  
Ion Ratio Lower Upper  
149 100  
177 21.4 16.1 24.1  
150 12.3 10.1 15.1

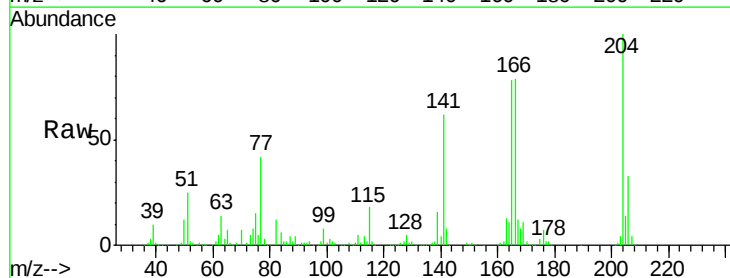


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

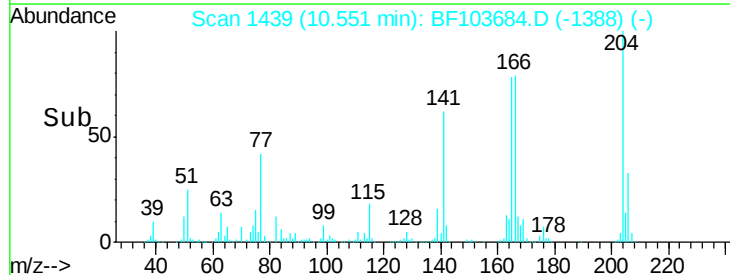
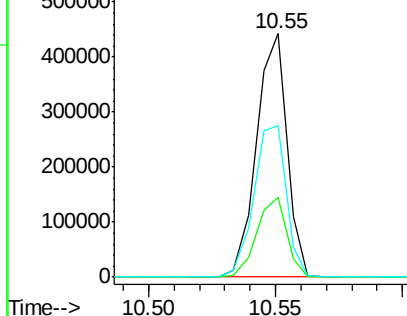


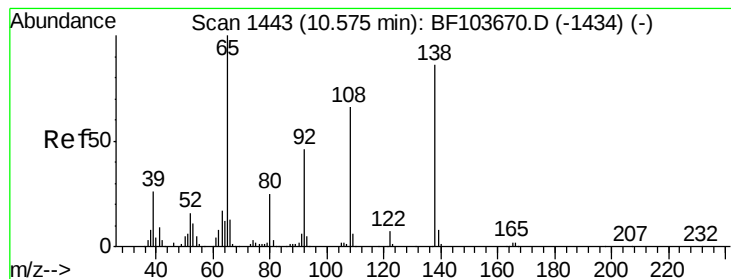
#60  
4-Chlorophenyl-phenylether  
Concen: 39.428 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:204 Resp: 372982  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 62.1 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: 44.347 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

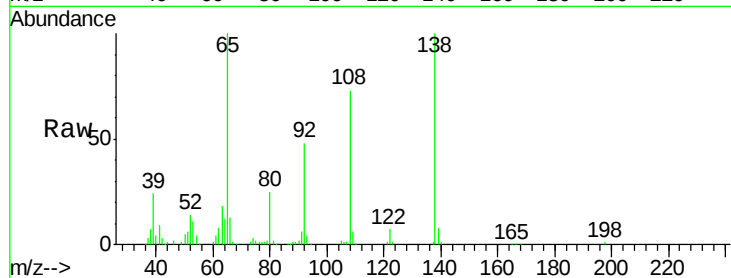
Tot Ion:138 Resp: 229613

Ion Ratio Lower Upper

138 100

92 48.3 30.2 70.2

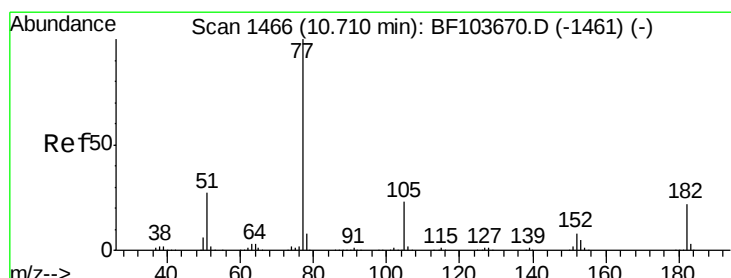
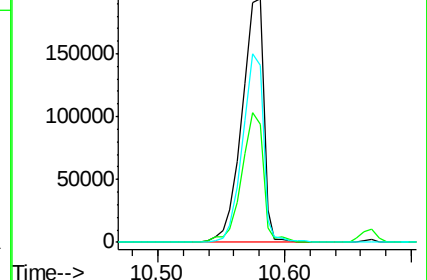
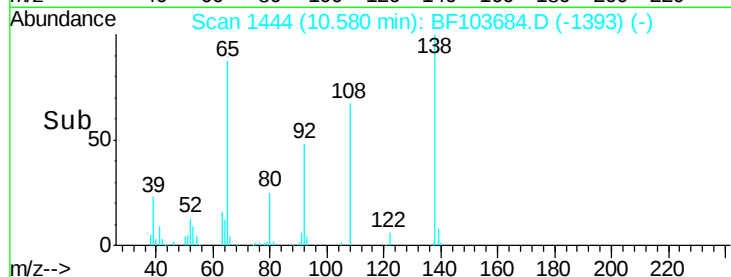
108 72.5 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 39.472 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Tgt Ion: 77 Resp: 930726

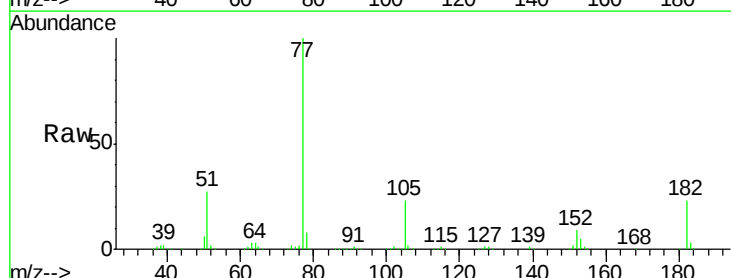
Ion Ratio Lower Upper

77 100

182 22.6 1.7 41.7

105 23.4 3.0 43.0

51 27.1 9.9 49.9

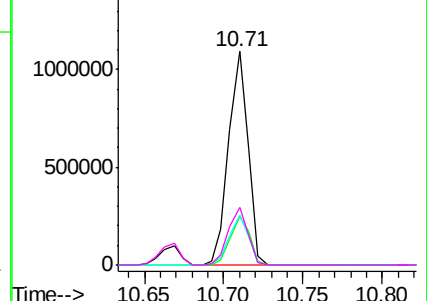
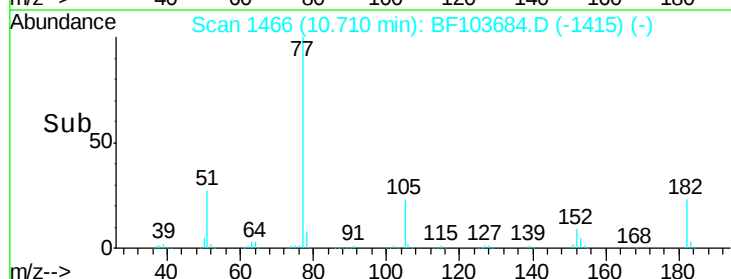


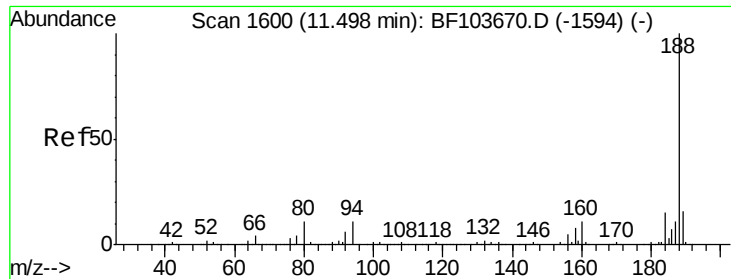
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

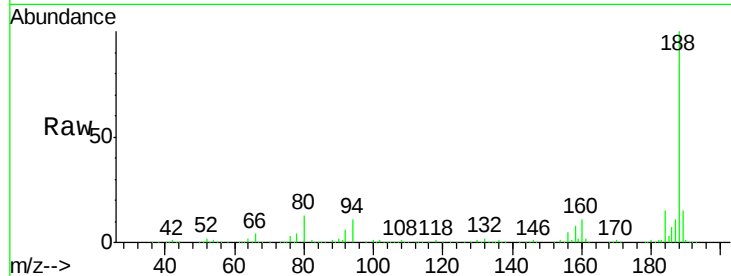




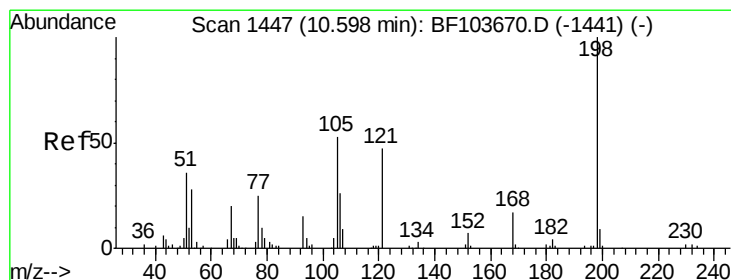
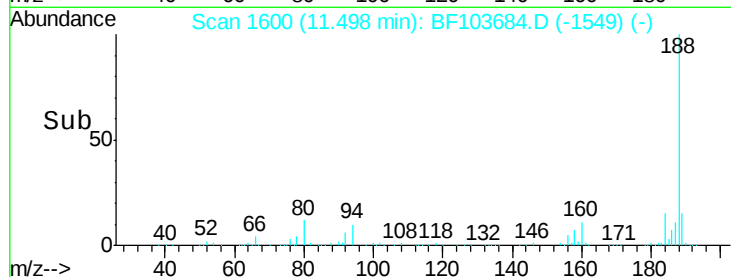
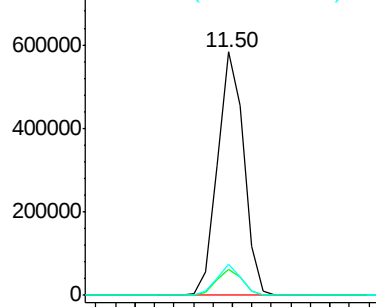
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.9  | 8.5   | 12.7  |
| 80      | 12.6  | 9.2   | 13.8  |

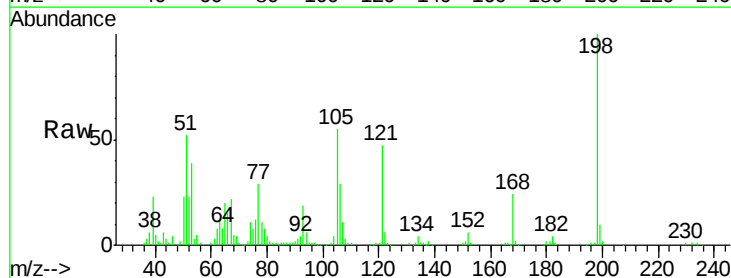


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

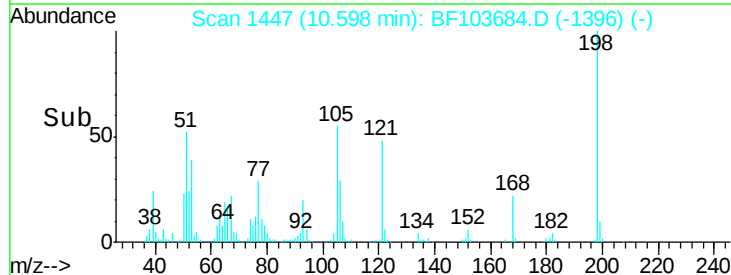
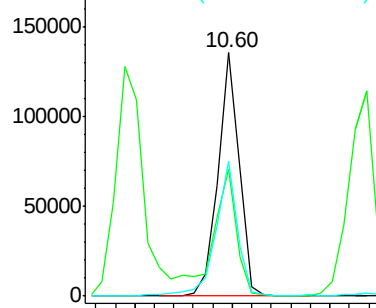


#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 50.000 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 52.1  | 37.7  | 77.7  |
| 105     | 55.3  | 36.3  | 76.3  |



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 40.255 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

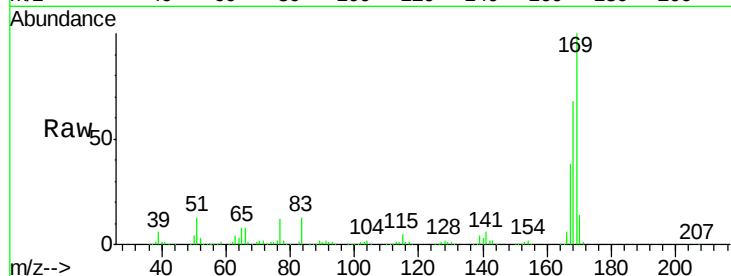
Tot Ion:169 Resp: 744278

Ion Ratio Lower Upper

169 100

168 67.9 54.4 81.6

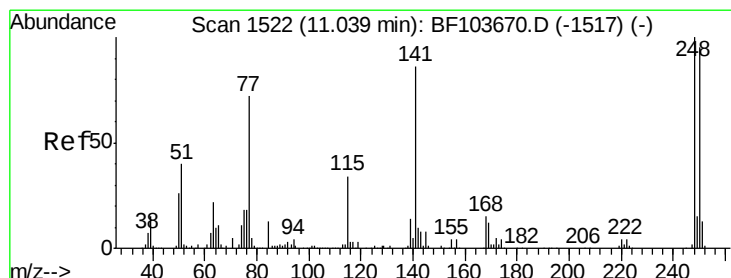
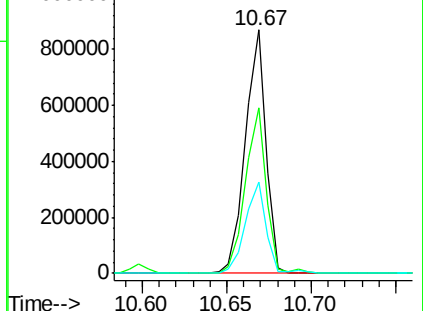
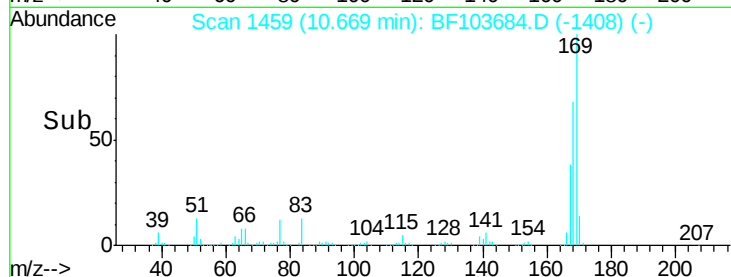
167 37.7 29.8 44.6



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: 41.364 ng

RT: 11.04 min Scan# 1522

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

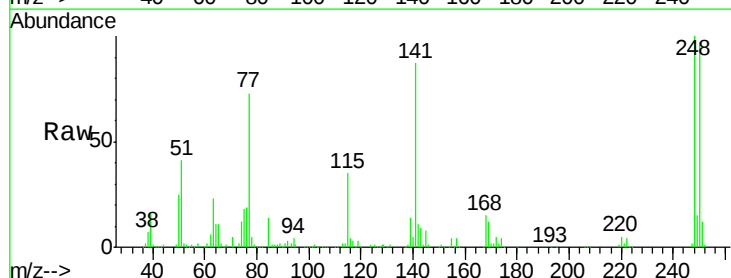
Tgt Ion:248 Resp: 230692

Ion Ratio Lower Upper

248 100

250 96.8 76.9 115.3

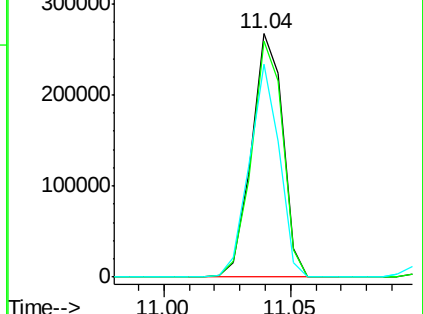
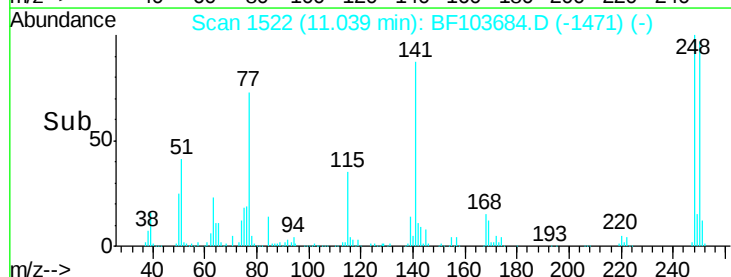
141 87.3 74.4 111.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

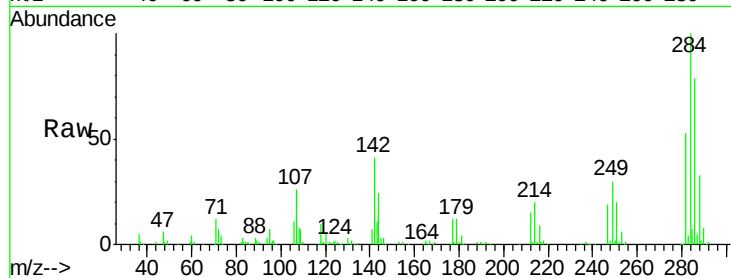




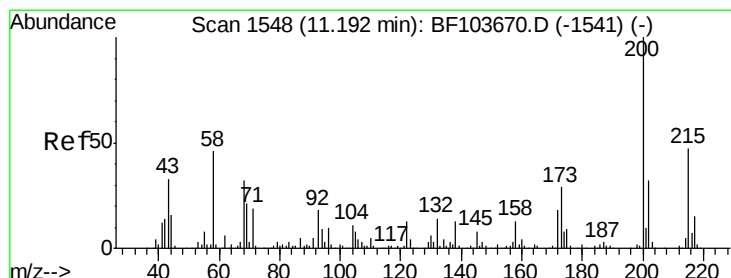
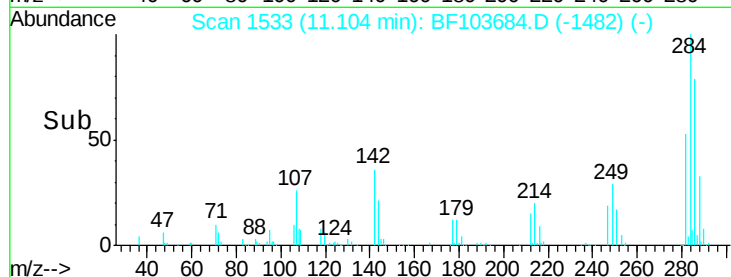
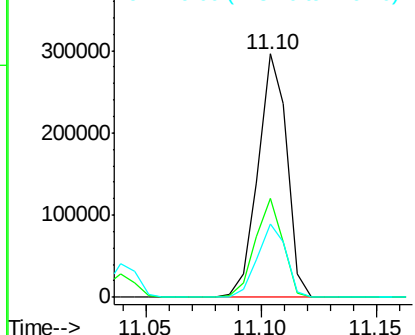
#67  
Hexachlorobenzene  
Concen: 40.596 ng  
RT: 11.10 min Scan# 1533  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 40.6  | 34.6  | 52.0  |
| 249     | 30.1  | 24.8  | 37.2  |

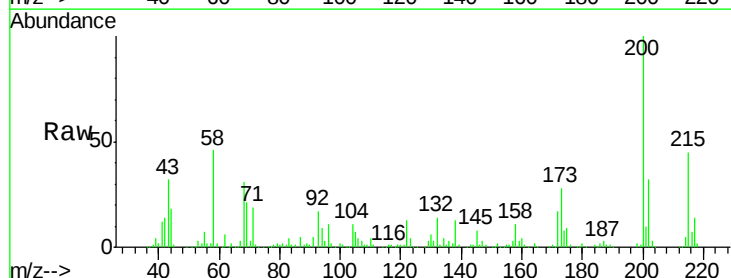


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

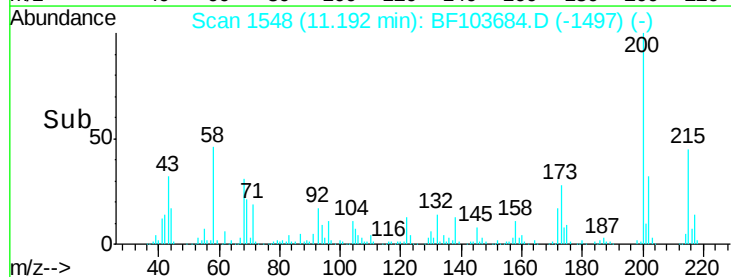
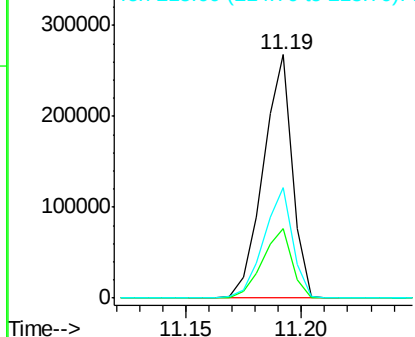


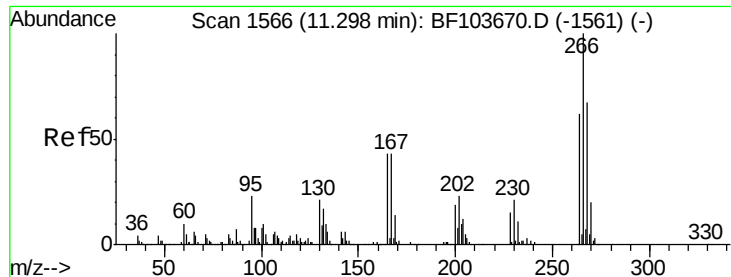
#68  
Atrazine  
Concen: 40.936 ng  
RT: 11.19 min Scan# 1548  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.4  | 8.6   | 48.6  |
| 215     | 45.3  | 25.1  | 65.1  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

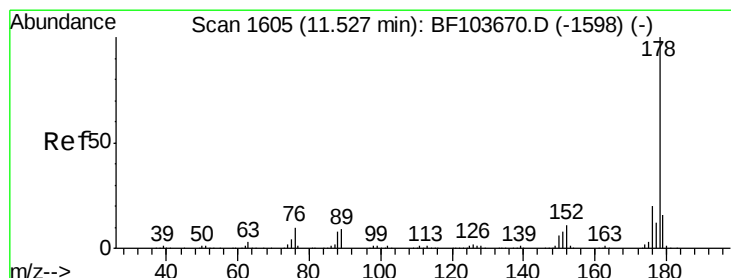
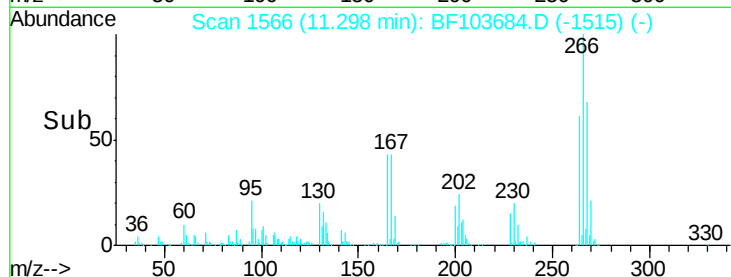
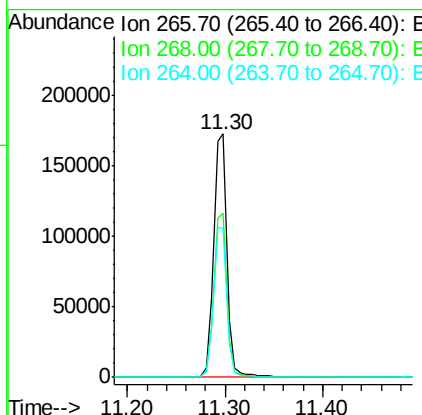
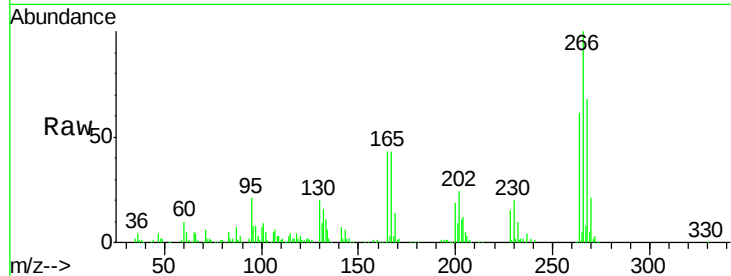




#69  
 Pentachlorophenol  
 Concen: 44.693 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

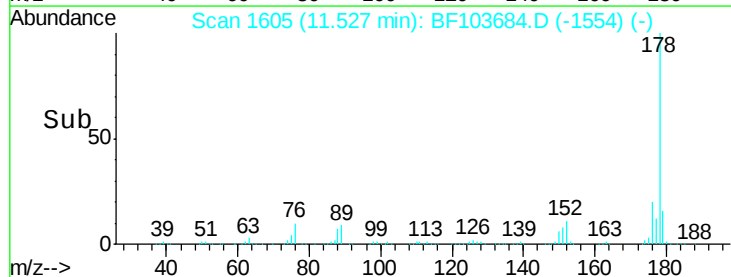
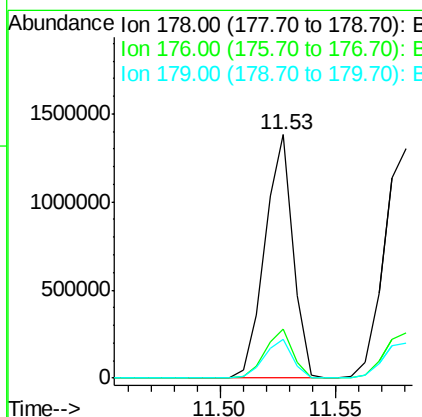
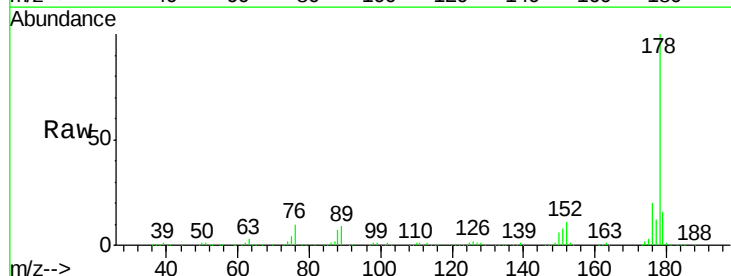
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

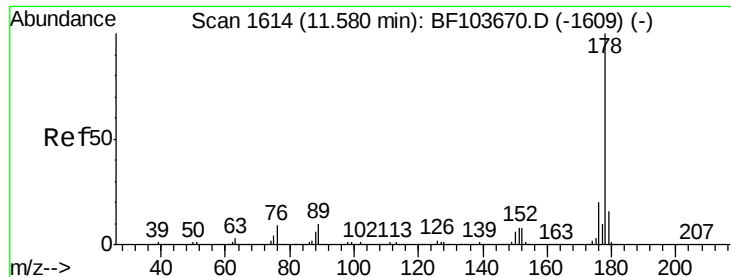
Tot Ion:266 Resp: 163557  
 Ion Ratio Lower Upper  
 266 100  
 268 67.5 51.1 76.7  
 264 61.1 49.5 74.3



#70  
 Phenanthrene  
 Concen: 39.483 ng  
 RT: 11.53 min Scan# 1605  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Tgt Ion:178 Resp: 1173187  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 15.8 23.8  
 179 15.8 13.0 19.6

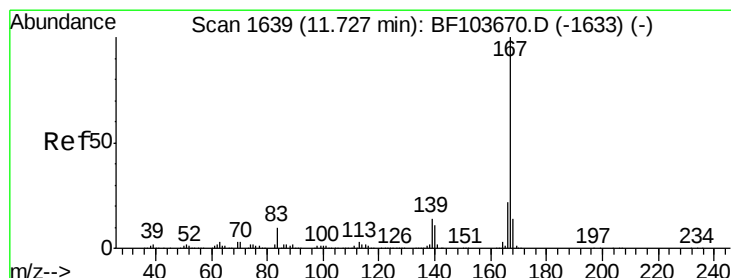
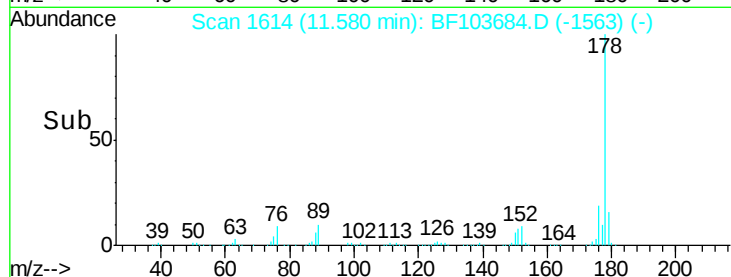
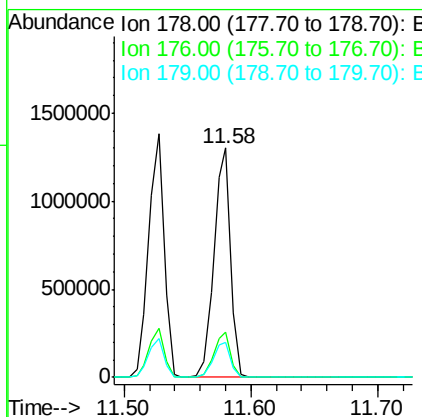
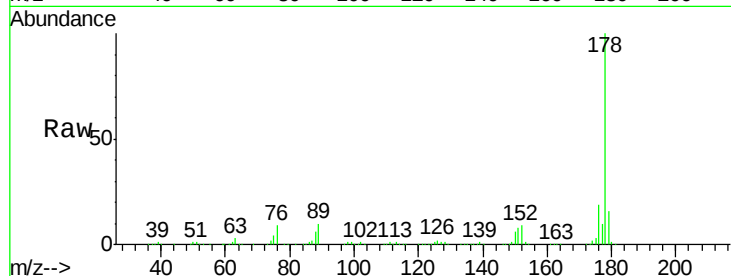




#71  
 Anthracene  
 Concen: 39.892 ng  
 RT: 11.58 min Scan# 1614  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

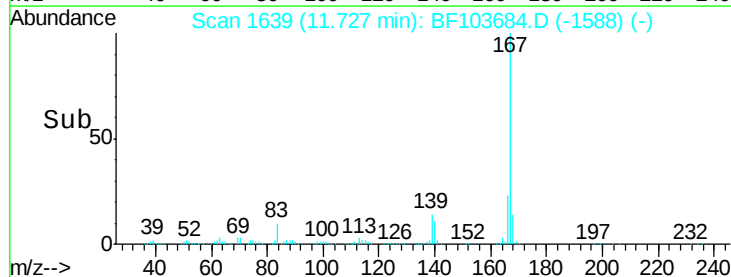
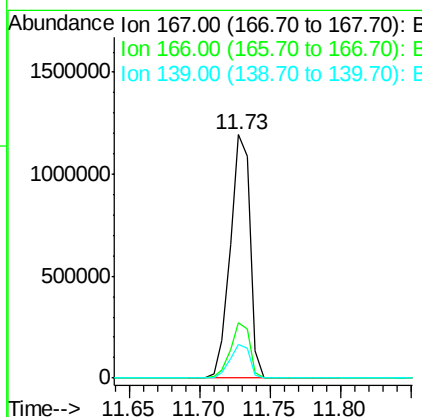
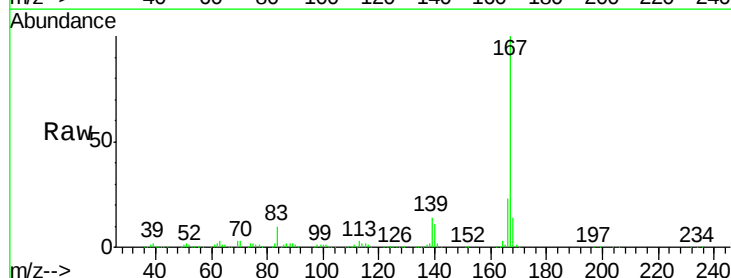
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

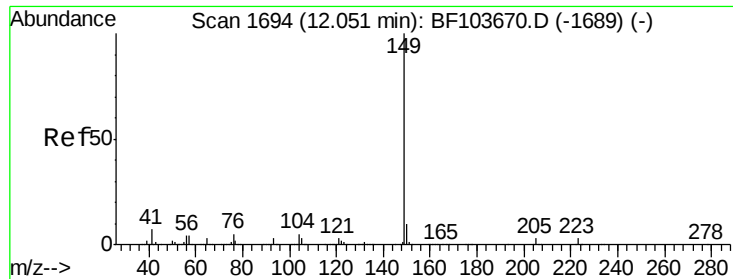
Tot Ion:178 Resp: 1203903  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.4 23.2  
 179 15.5 12.6 19.0



#72  
 Carbazole  
 Concen: 39.641 ng  
 RT: 11.73 min Scan# 1639  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Tgt Ion:167 Resp: 1162780  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 17.6 26.4  
 139 14.0 10.9 16.3

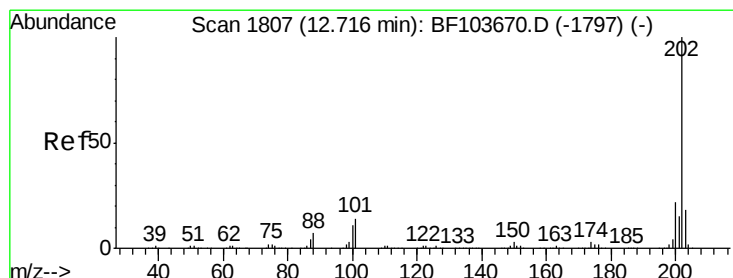
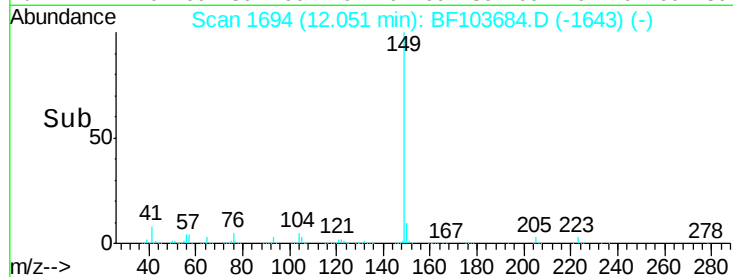
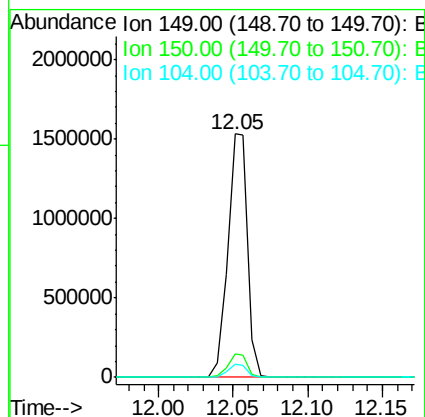
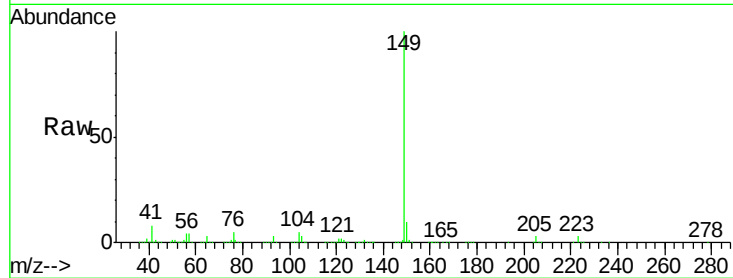




#73  
Di-n-butylphthalate  
Concen: 40.561 ng  
RT: 12.05 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

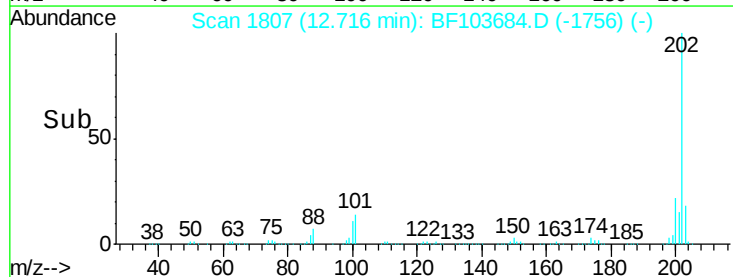
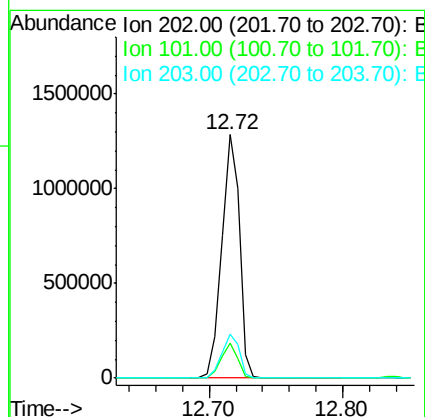
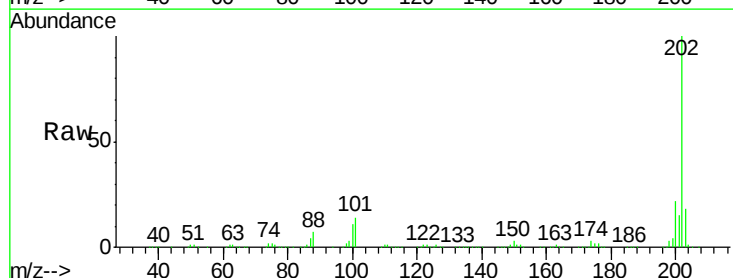
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

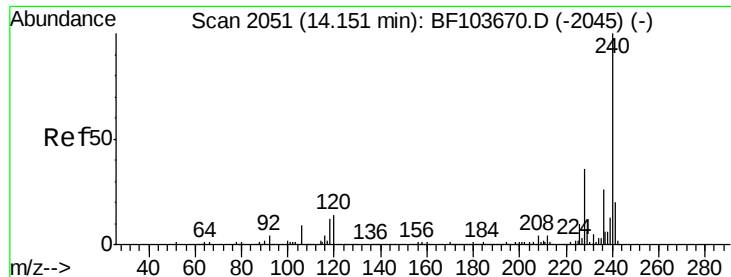
Tot Ion:149 Resp: 1427566  
Ion Ratio Lower Upper  
149 100  
150 9.8 7.8 11.6  
104 5.4 3.8 5.8



#74  
Fluoranthene  
Concen: 39.366 ng  
RT: 12.72 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:202 Resp: 1205054  
Ion Ratio Lower Upper  
202 100  
101 14.2 0.0 34.1  
203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

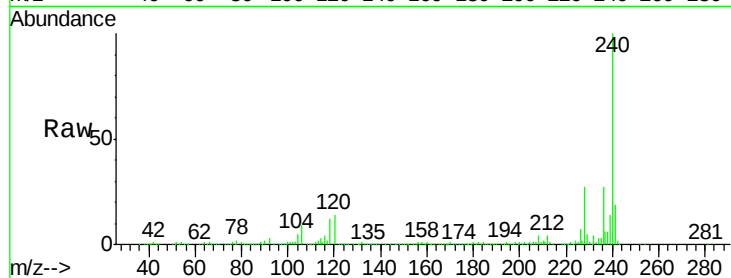
Tot Ion:240 Resp: 427314

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

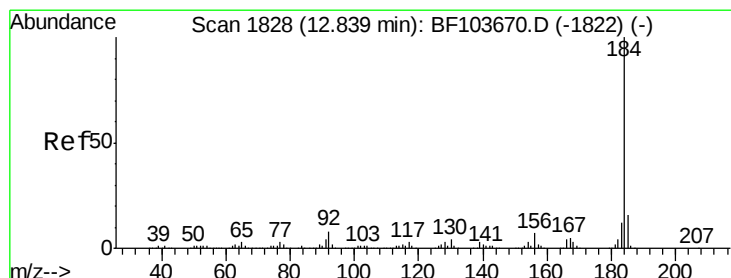
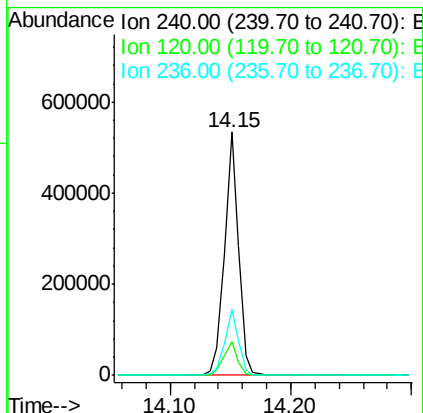
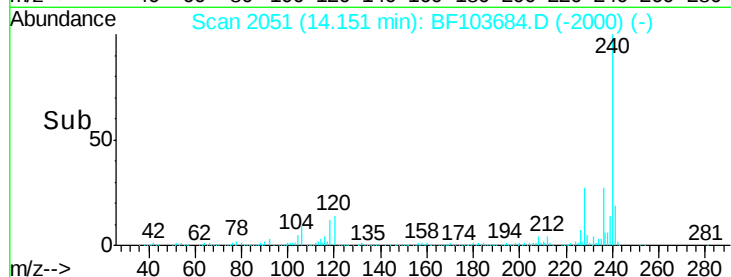
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 39.074 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

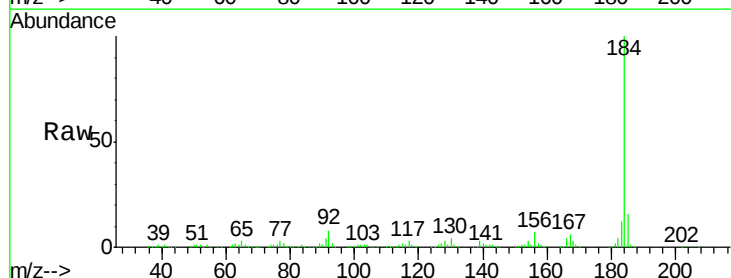
Tgt Ion:184 Resp: 712120

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

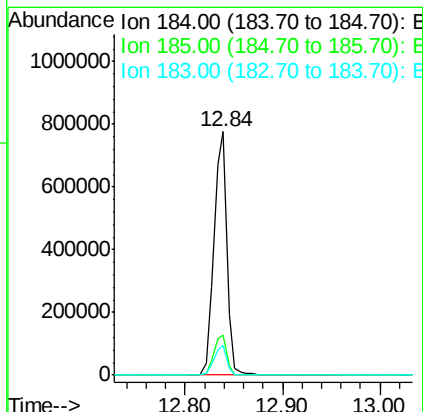
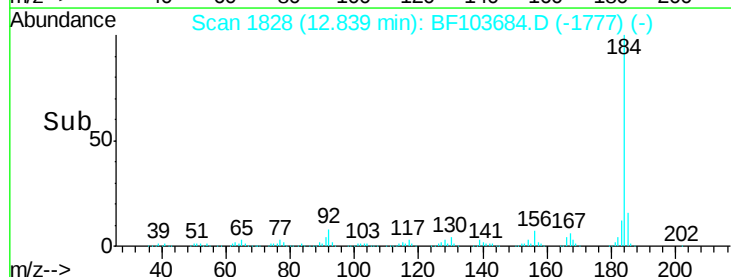
183 12.1 9.3 13.9

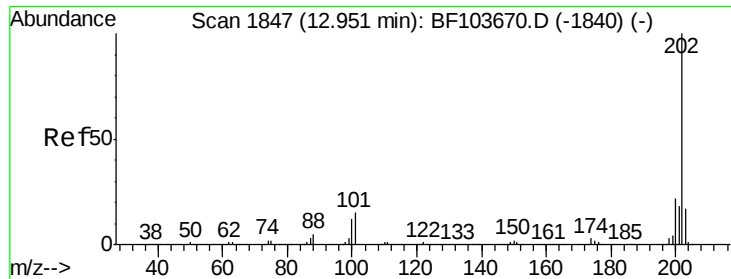


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

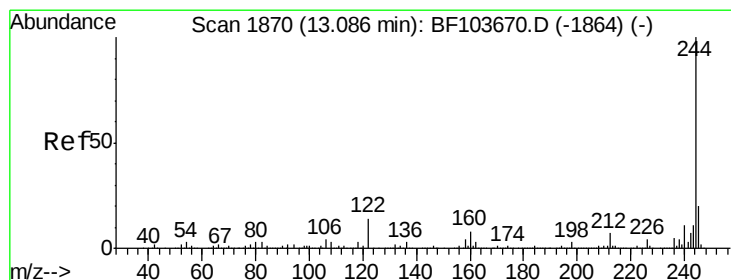
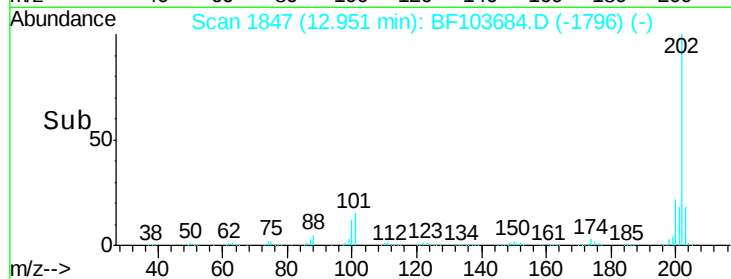
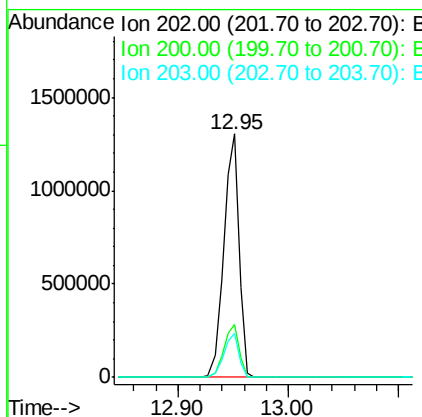
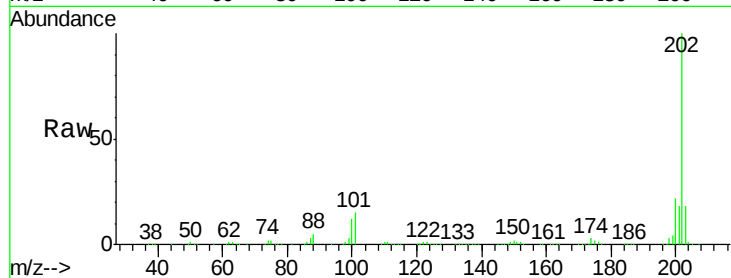




#77  
Pvrene  
Concen: 40.026 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

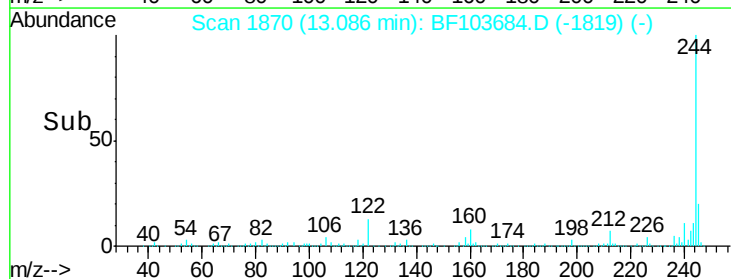
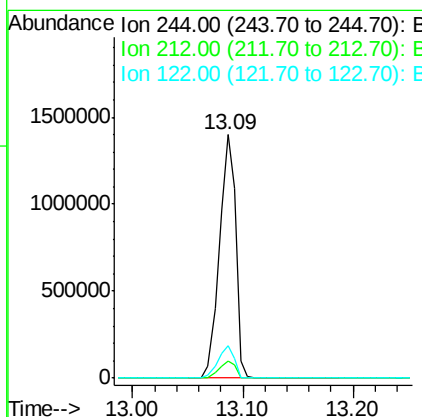
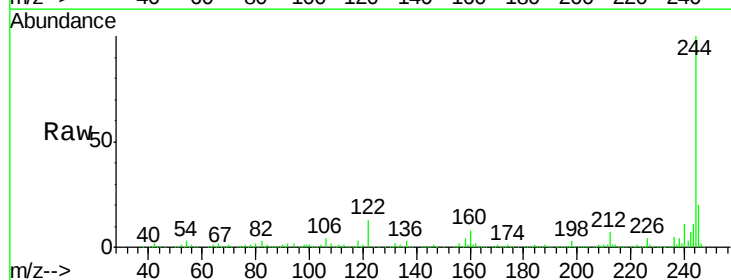
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:202 Resp: 1256091  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.4 26.2  
203 17.9 14.3 21.5



#78  
Terphenyl-d14  
Concen: 77.488 ng  
RT: 13.09 min Scan# 1870  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:244 Resp: 1426526  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.0  
122 13.2 11.0 16.4

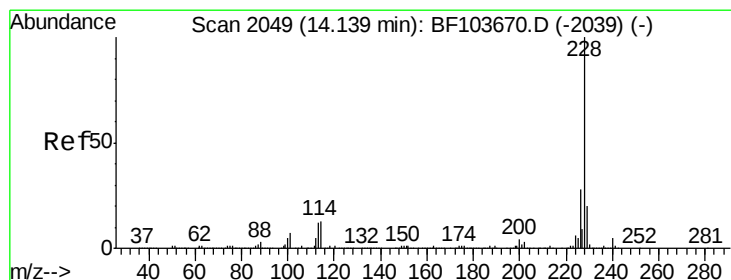
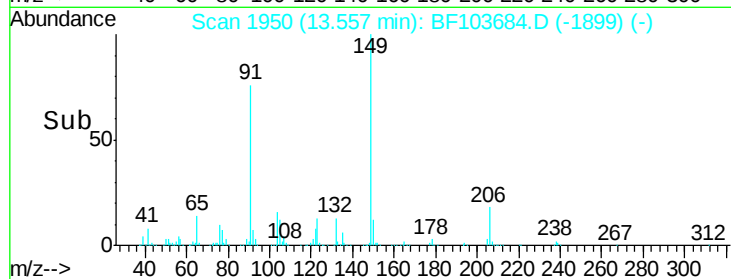
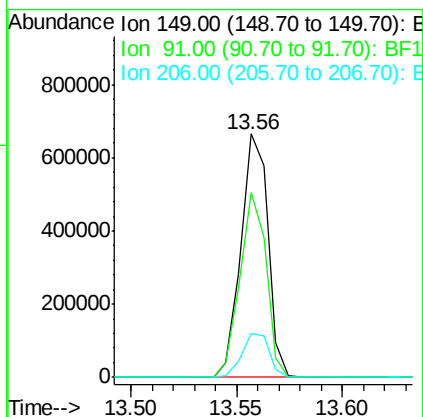
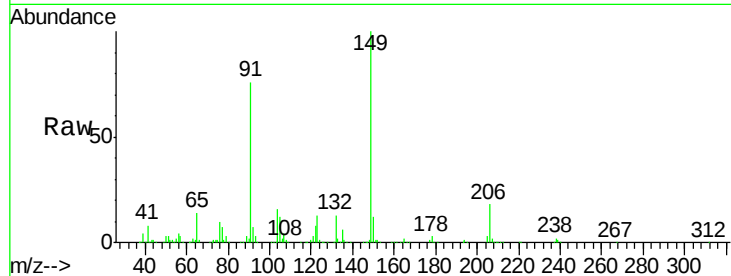




#79  
Butylbenzylphthalate  
Concen: 42.337 ng  
RT: 13.56 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

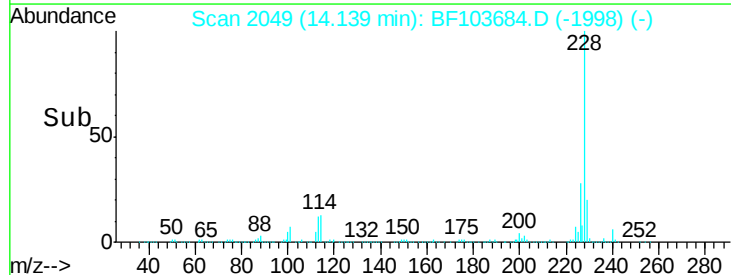
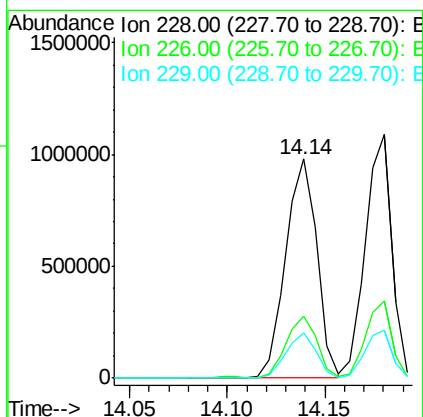
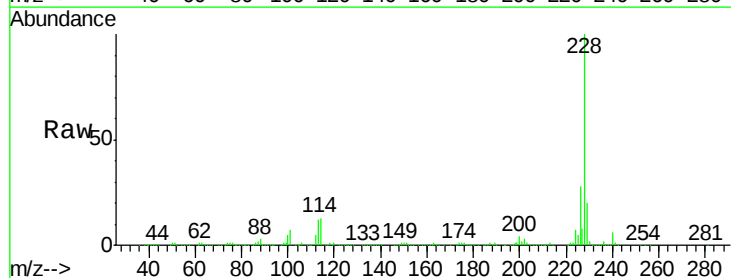
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

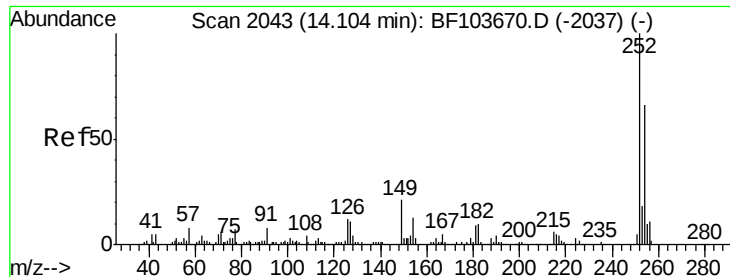
Tot Ion:149 Resp: 588639  
Ion Ratio Lower Upper  
149 100  
91 76.0 56.8 85.2  
206 17.8 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 40.068 ng  
RT: 14.14 min Scan# 2049  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:228 Resp: 1083803  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.6 33.8  
229 20.4 15.8 23.6

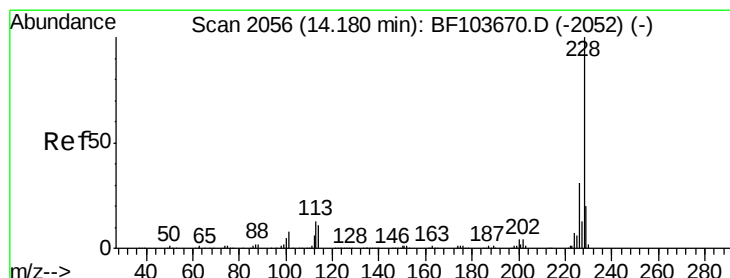
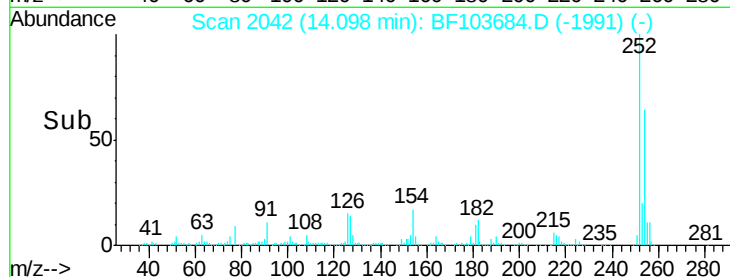
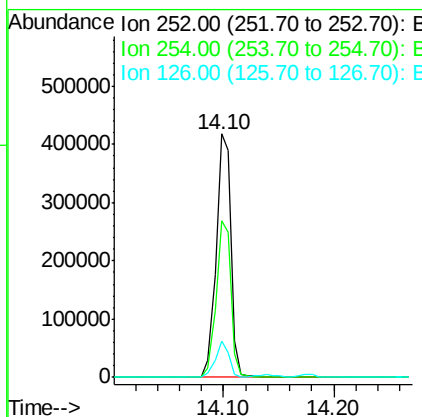
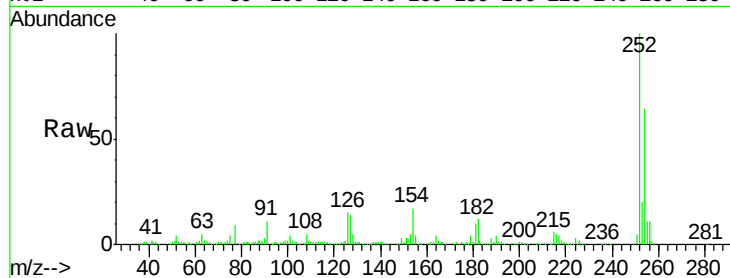




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.712 ng  
 RT: 14.10 min Scan# 2042  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

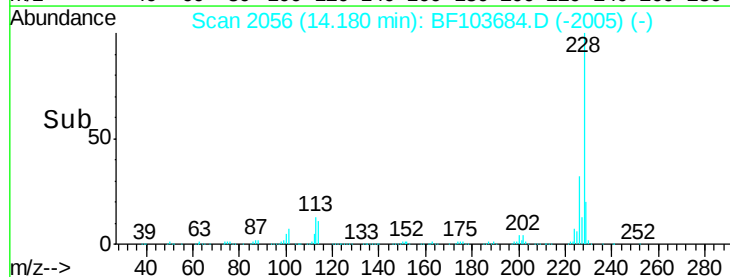
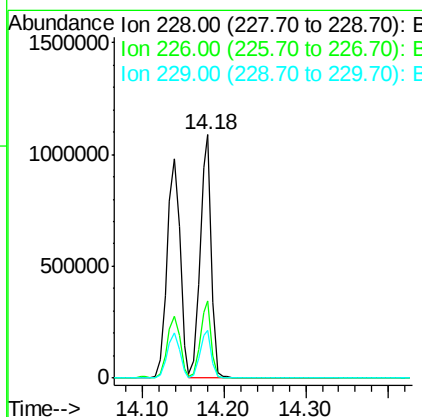
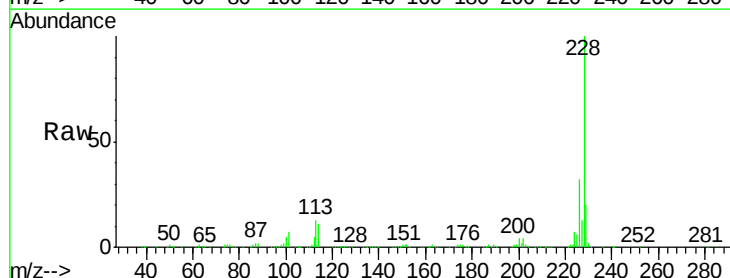
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:252 Resp: 386448  
 Ion Ratio Lower Upper  
 252 100  
 254 64.1 50.4 75.6  
 126 14.9 11.3 16.9



#82  
 Chrysene  
 Concen: 40.108 ng  
 RT: 14.18 min Scan# 2056  
 Delta R.T. 0.00 min  
 Lab File: BF103684.D  
 Acq: 16 Mar 2018 9:03

Tgt Ion:228 Resp: 1034160  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 25.0 37.6  
 229 19.8 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.591 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

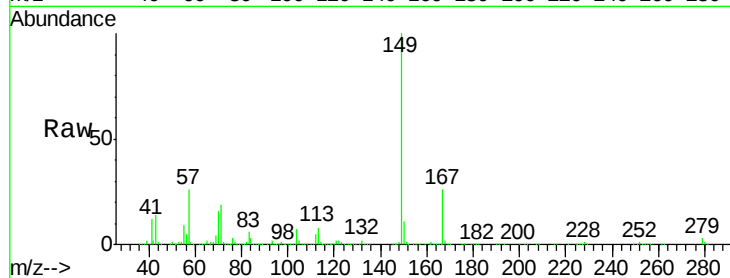
Tot Ion:149 Resp: 845974

Ion Ratio Lower Upper

149 100

167 26.1 21.3 31.9

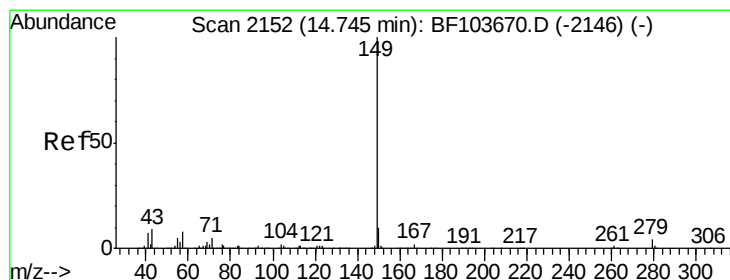
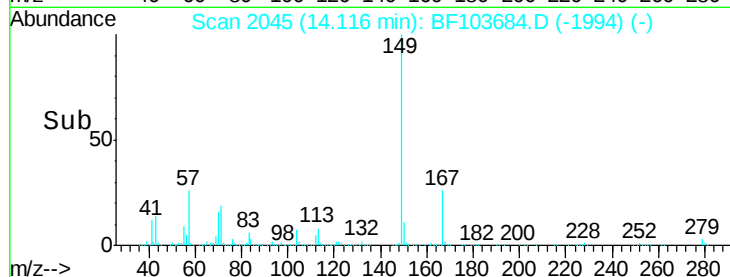
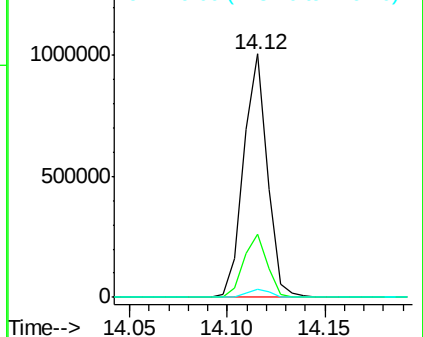
279 3.4 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.885 ng

RT: 14.74 min Scan# 2151

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

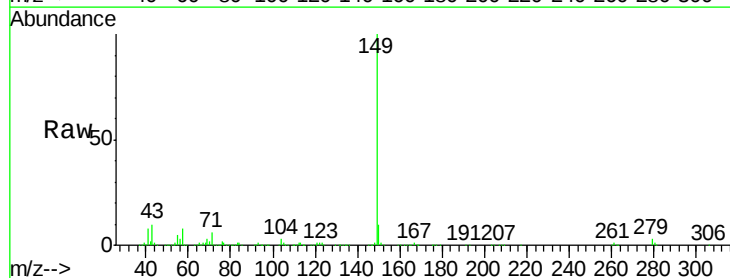
Tgt Ion:149 Resp: 1268121

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

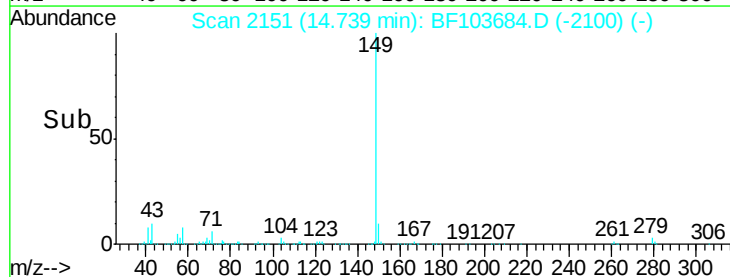
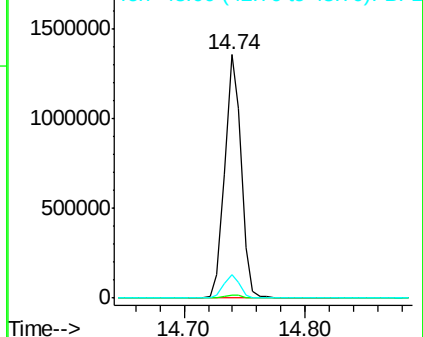
43 9.7 8.4 12.6

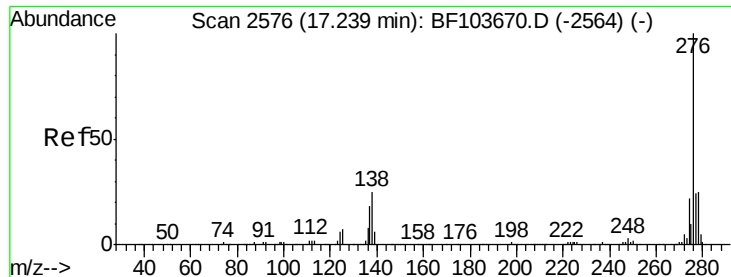


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

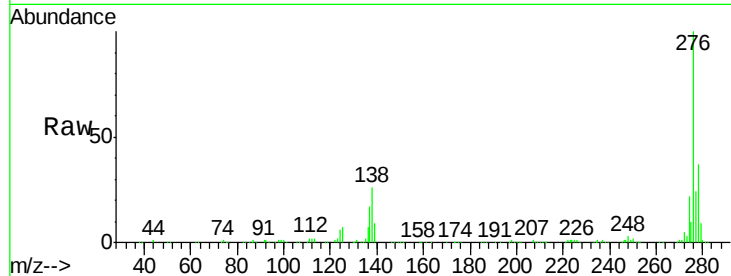




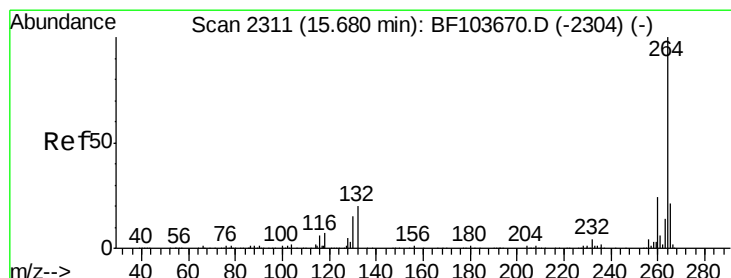
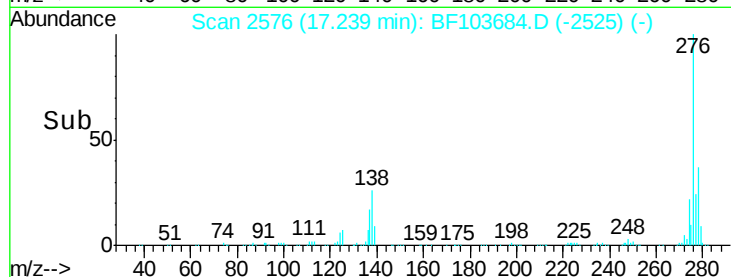
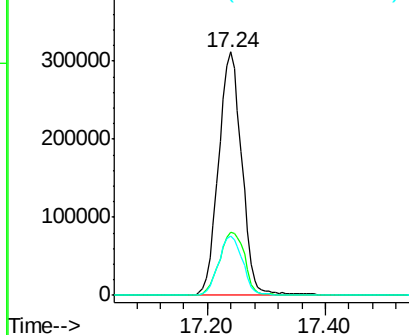
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 38.000 ng  
RT: 17.24 min Scan# 2576  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:276 Resp: 855653  
Ion Ratio Lower Upper  
276 100  
138 28.6 25.0 37.6  
277 25.2 20.1 30.1

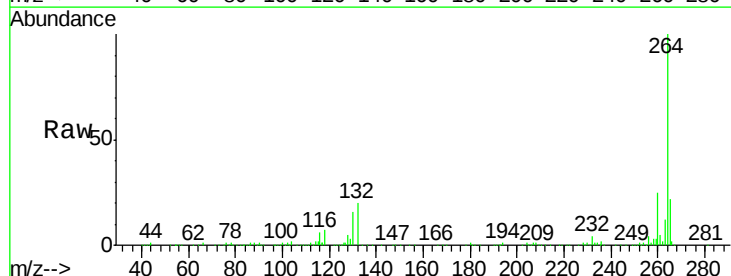


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

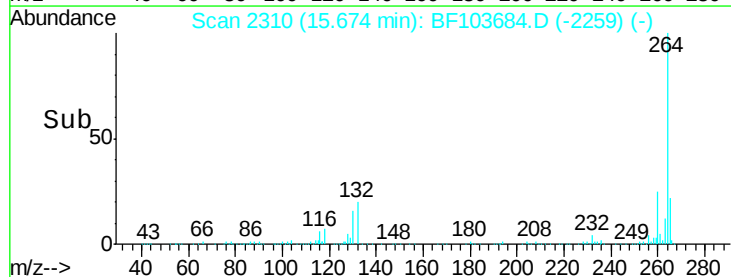
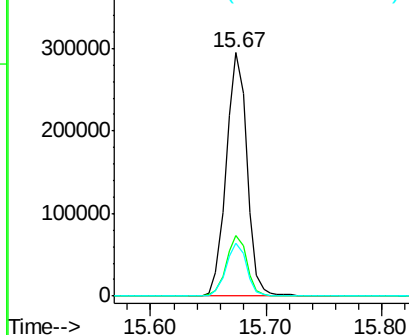


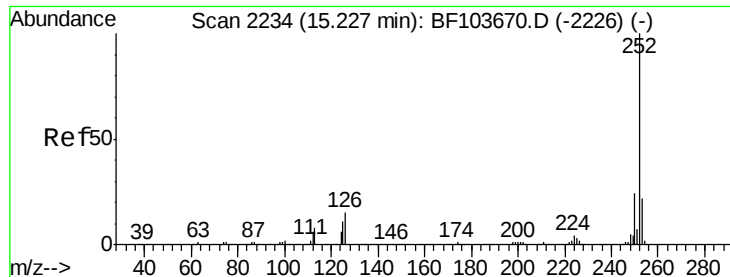
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:264 Resp: 368407  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.2 28.8  
265 21.7 17.5 26.3



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

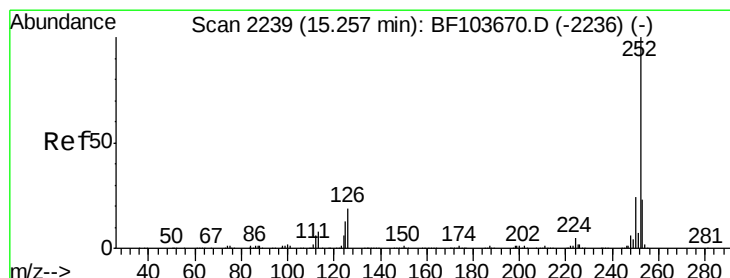
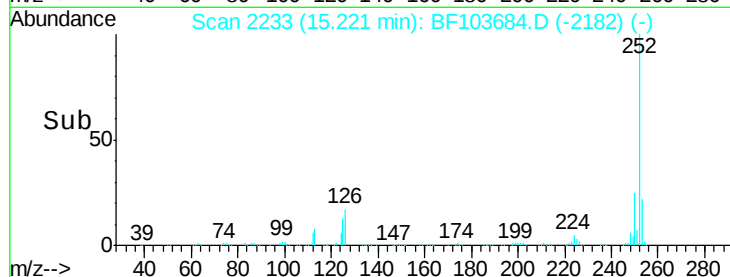
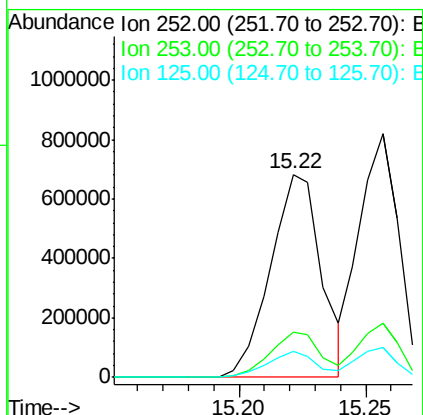
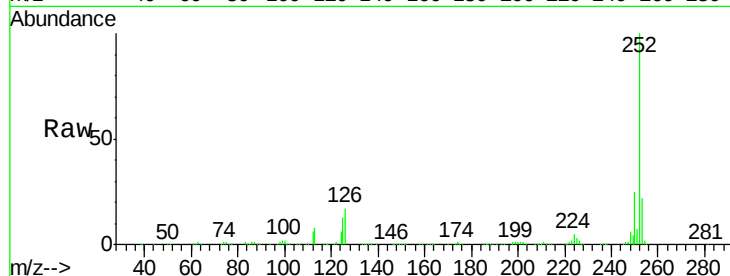




#87  
Benzo(b)fluoranthene  
Concen: 41.126 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

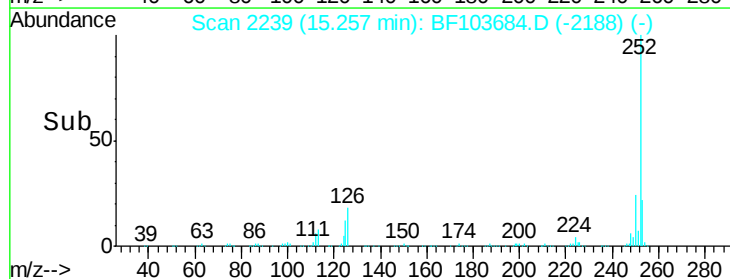
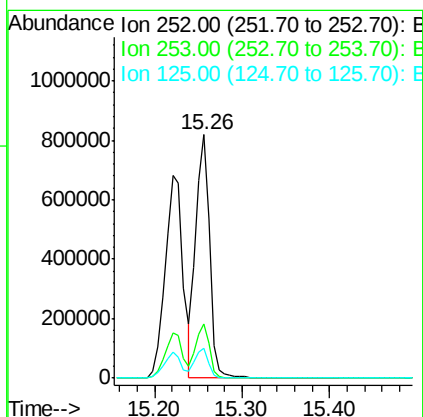
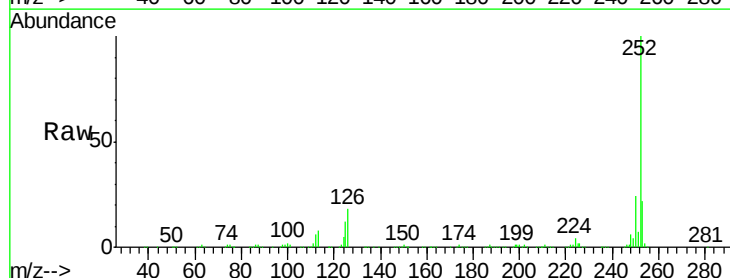
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

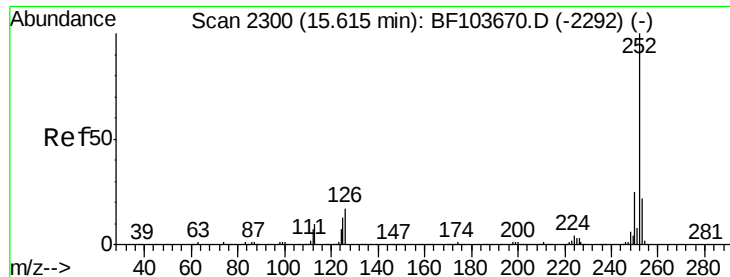
Tot Ion:252 Resp: 957221  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.6  
125 13.1 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 40.726 ng  
RT: 15.26 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: BF103684.D  
Acq: 16 Mar 2018 9:03

Tgt Ion:252 Resp: 911189  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.9 26.9  
125 12.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 40.887 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

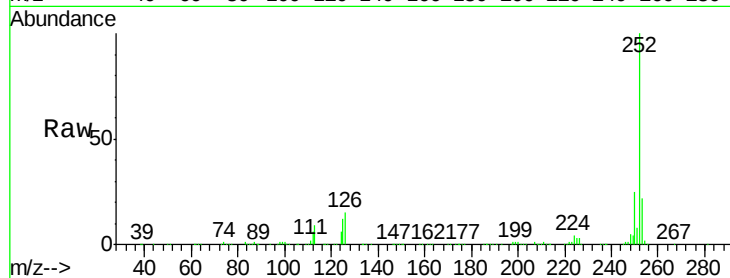
Tot Ion:252 Resp: 863152

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

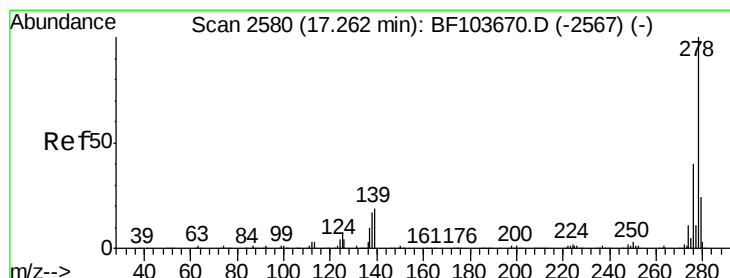
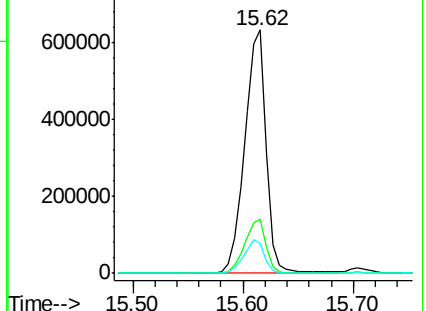
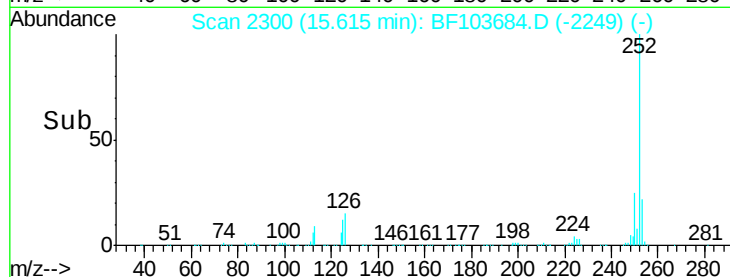
125 12.1 9.8 14.6



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: 39.312 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

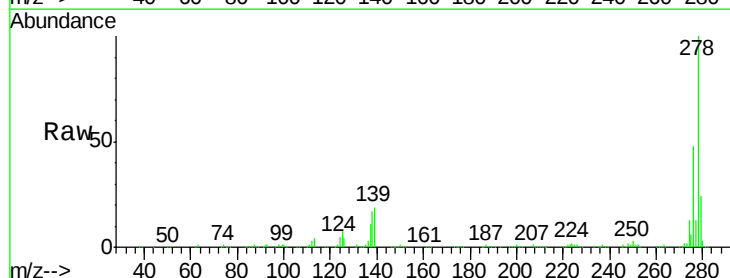
Tgt Ion:278 Resp: 718618

Ion Ratio Lower Upper

278 100

139 19.0 15.9 23.9

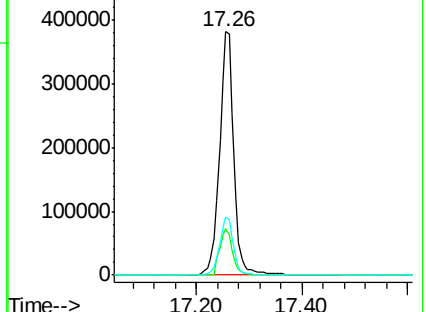
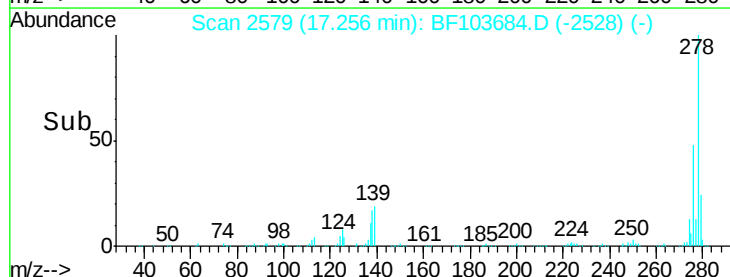
279 23.7 19.0 28.4

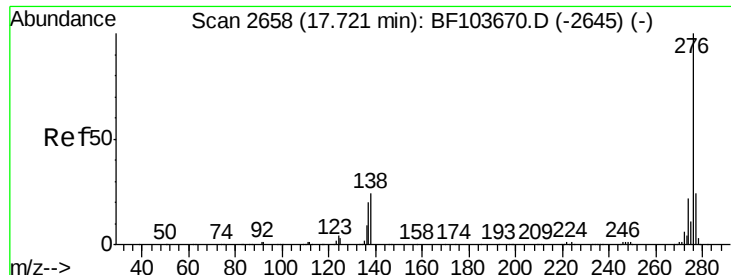


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.963 ng

RT: 17.72 min Scan# 2657

Delta R.T. 0.00 min

Lab File: BF103684.D

Acq: 16 Mar 2018 9:03

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

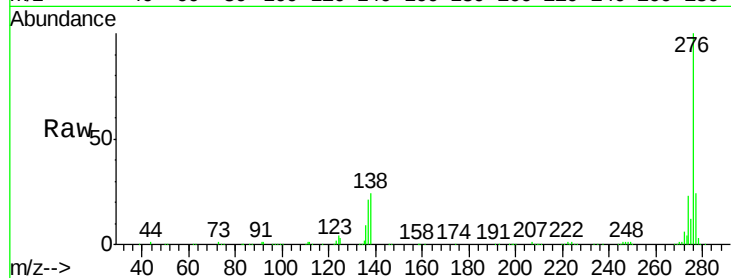
Tot Ion: 276 Resp: 692883

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 24.0 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

