

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\  
 Data File : BF101304.D  
 Acq On : 11 Dec 2017 23:10  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 12 02:43:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 46013    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 174052   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 76377    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.36 | 188  | 123920   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 100555   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.49 | 264  | 87029    | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 219297 | 78.76 | ng | 0.00 |
| 7) Phenol-d6             | 6.47  | 99  | 260785 | 77.14 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 234376 | 80.33 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 55485  | 60.47 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.19  | 172 | 477420 | 85.52 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.95 | 244 | 351775 | 76.52 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.55 | 88  | 43722  | 37.971 | ng | 98     |
| 3) Pyridine                    | 3.32 | 79  | 110395 | 36.984 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.28 | 42  | 58648  | 40.228 | ng | # 89   |
| 6) Aniline                     | 6.50 | 93  | 165303 | 37.601 | ng | 98     |
| 8) 2-Chlorophenol              | 6.62 | 128 | 116907 | 38.506 | ng | 92     |
| 9) Benzaldehyde                | 6.39 | 77  | 73050  | 35.304 | ng | 89     |
| 10) Phenol                     | 6.49 | 94  | 142715 | 37.965 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 105753 | 37.506 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 135401 | 38.300 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 138368 | 37.804 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.00 | 146 | 130495 | 38.224 | ng | 97     |
| 15) Benzyl Alcohol             | 6.97 | 79  | 98491  | 37.720 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45  | 140055 | 36.542 | ng | 85     |
| 17) 2-Methylphenol             | 7.09 | 107 | 93008  | 37.938 | ng | 94     |
| 18) Hexachloroethane           | 7.34 | 117 | 36521  | 31.057 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 84177  | 36.972 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 119894 | 37.499 | ng | # 58   |
| 22) Acetophenone               | 7.25 | 105 | 168041 | 39.962 | ng | # 91   |
| 24) Nitrobenzene               | 7.42 | 77  | 115366 | 40.343 | ng | 96     |
| 25) Isophorone                 | 7.66 | 82  | 193388 | 38.803 | ng | 98     |
| 26) 2-Nitrophenol              | 7.73 | 139 | 51125  | 32.568 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 92170  | 40.589 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 132471 | 39.548 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.98 | 162 | 96546  | 39.059 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 107531 | 39.563 | ng | 99     |
| 31) Naphthalene                | 8.14 | 128 | 329403 | 38.400 | ng | 99     |
| 32) Benzoic acid               | 7.92 | 122 | 14759  | 8.356  | ng | 95     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 131550 | 38.167 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 65963  | 39.569 | ng | 97     |
| 35) Caprolactam                | 8.57 | 113 | 25376  | 32.942 | ng | 87     |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 93960  | 36.697 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 214750 | 36.843 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 116924 | 42.141 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 8.97 | 237 | 894    | 8.966  | ng | 87     |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\  
 Data File : BF101304.D  
 Acq On : 11 Dec 2017 23:10  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

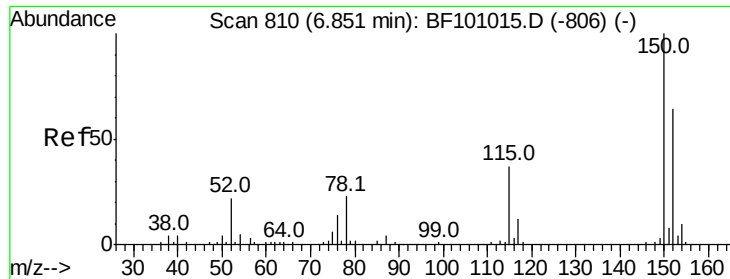
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 12 02:43:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.11  | 196  | 63424    | 38.994 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.16  | 196  | 64736    | 37.229 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.29  | 154  | 287949   | 41.149 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.32  | 162  | 199493   | 40.143 | nq    | 95       |
| 47) 2-Nitroaniline             | 9.42  | 65   | 58940    | 40.086 | nq    | 98       |
| 48) Acenaphthylene             | 9.73  | 152  | 315720   | 38.658 | nq    | 99       |
| 49) Dimethylphthalate          | 9.59  | 163  | 246481   | 40.016 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.66  | 165  | 46676    | 35.978 | nq    | 89       |
| 51) Acenaphthene               | 9.90  | 154  | 186110   | 38.057 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.83  | 138  | 56140    | 38.479 | nq    | 95       |
| 54) Dibenzofuran               | 10.08 | 168  | 262850   | 37.297 | nq    | 97       |
| 55) 4-Nitrophenol              | 10.00 | 139  | 30563    | 31.062 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 10.07 | 165  | 54165    | 31.153 | nq #  | 92       |
| 57) Fluorene                   | 10.42 | 166  | 206343   | 36.018 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 43665    | 31.362 | nq #  | 84       |
| 59) Diethylphthalate           | 10.29 | 149  | 234196   | 38.548 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204  | 107882   | 38.139 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.45 | 138  | 53521    | 35.340 | nq    | 86       |
| 62) Azobenzene                 | 10.57 | 77   | 181082   | 35.121 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 2558     | 3.078  | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.53 | 169  | 198708   | 45.453 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.90 | 248  | 61882    | 44.613 | nq #  | 90       |
| 67) Hexachlorobenzene          | 10.97 | 284  | 58834    | 39.576 | nq #  | 88       |
| 68) Atrazine                   | 11.06 | 200  | 53865    | 40.167 | nq    | 97       |
| 69) Pentachlorophenol          | 11.17 | 266  | 24568    | 30.056 | nq    | 100      |
| 70) Phenanthrene               | 11.39 | 178  | 260979   | 38.243 | nq    | 98       |
| 71) Anthracene                 | 11.44 | 178  | 261619   | 37.879 | nq    | 98       |
| 72) Carbazole                  | 11.60 | 167  | 226978   | 35.968 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.92 | 149  | 325388   | 41.138 | nq    | 97       |
| 74) Fluoranthene               | 12.58 | 202  | 250467   | 33.111 | nq    | 94       |
| 76) Benzidine                  | 12.70 | 184  | 113168   | 34.609 | nq    | 98       |
| 77) Pyrene                     | 12.81 | 202  | 255603   | 36.838 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.42 | 149  | 113143   | 36.985 | nq    | 92       |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 238099   | 37.502 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 87004    | 39.569 | nq    | 98       |
| 82) Chrysene                   | 14.04 | 228  | 225112   | 38.178 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 160032   | 36.689 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.58 | 149  | 274585   | 37.808 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 168366   | 32.118 | nq #  | 92       |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 209311   | 40.153 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 209311   | 40.755 | nq #  | 96       |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 178763   | 37.721 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.99 | 278  | 146002   | 34.946 | nq #  | 95       |
| 91) Benzo(g,h,i)perylene       | 17.43 | 276  | 129886   | 32.988 | nq #  | 91       |

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



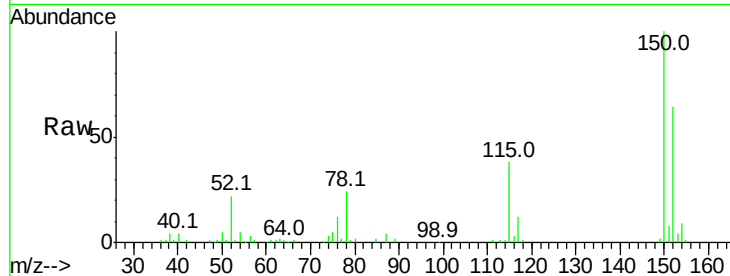


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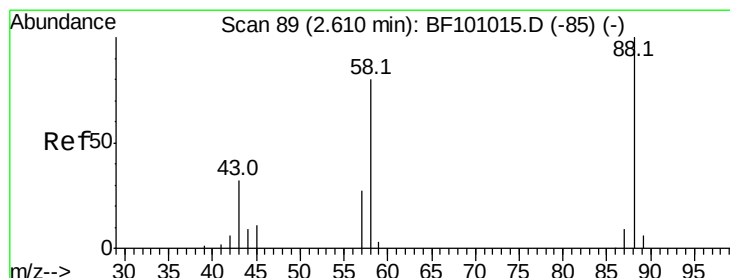
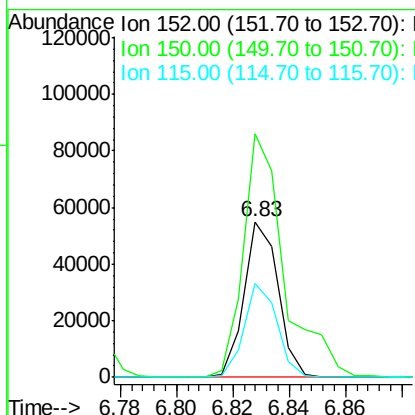
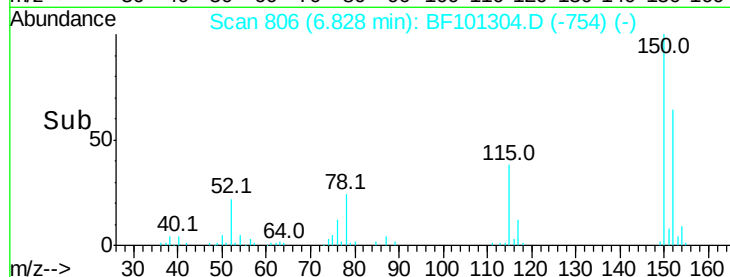
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 46013  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 60.0 50.1 75.1



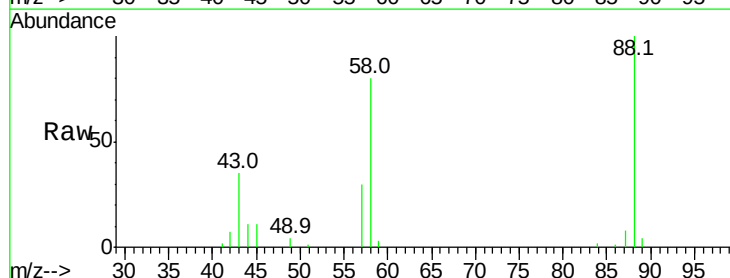
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



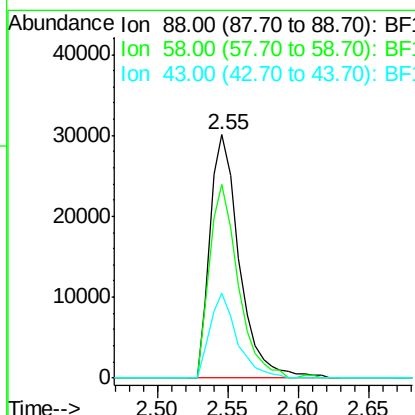
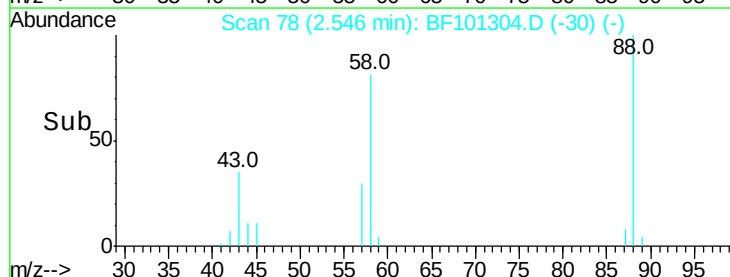
#2

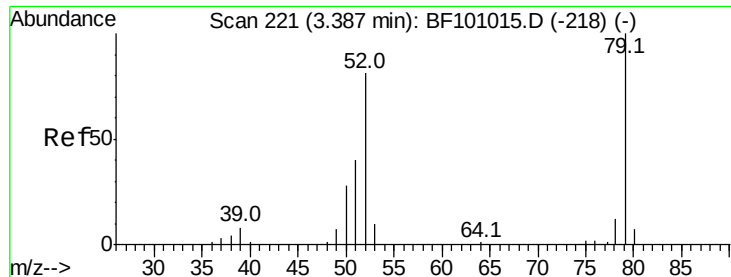
1,4-Dioxane  
Concen: 37.971 ng  
RT: 2.55 min Scan# 78  
Delta R.T. -0.02 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion: 88 Resp: 43722  
Ion Ratio Lower Upper  
88 100  
58 77.0 62.6 93.8  
43 32.2 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: 36.984 ng

RT: 3.32 min Scan# 209

Delta R.T. -0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampled :

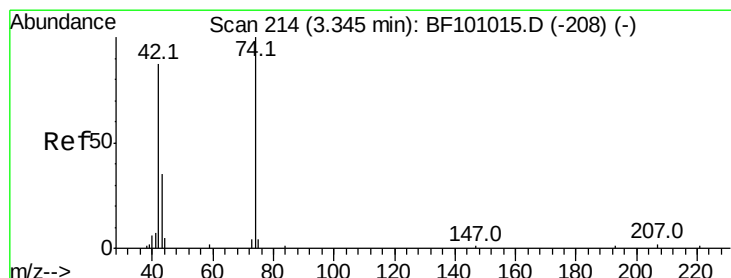
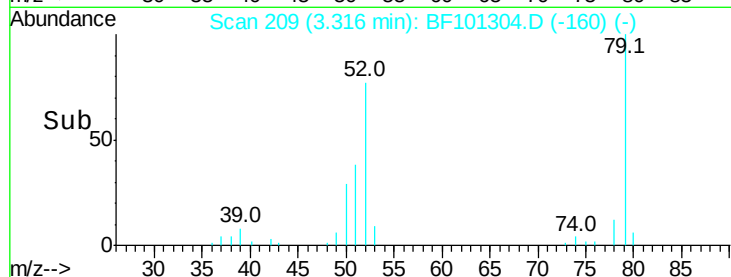
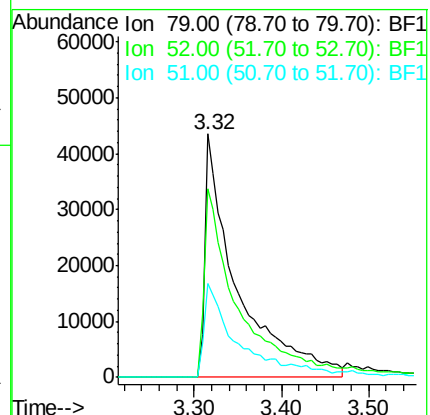
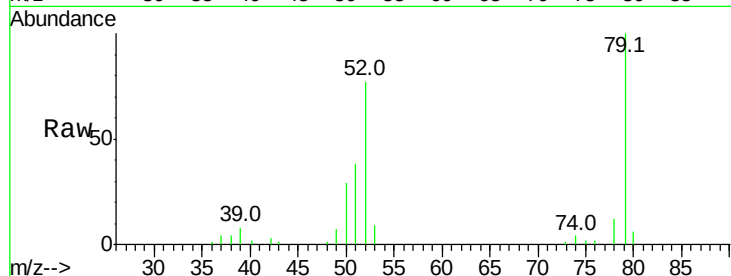
Tot Ion: 79 Resp: 110395

Ion Ratio Lower Upper

79 100

52 77.4 59.8 89.6

51 38.3 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 40.228 ng

RT: 3.28 min Scan# 202

Delta R.T. -0.02 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

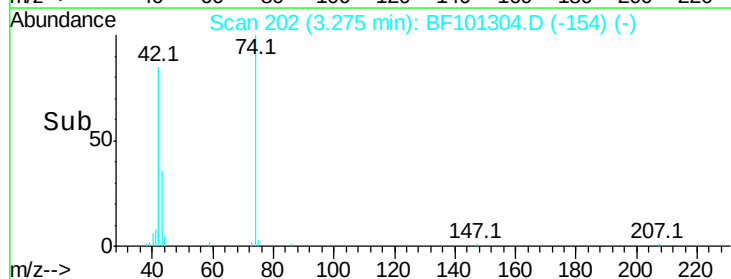
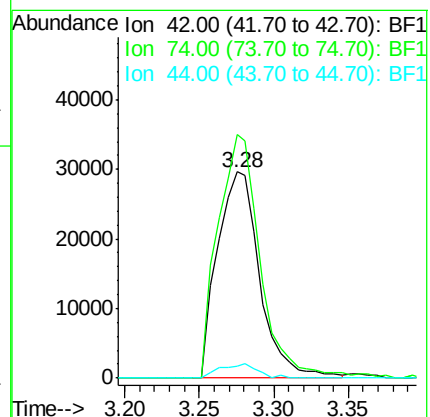
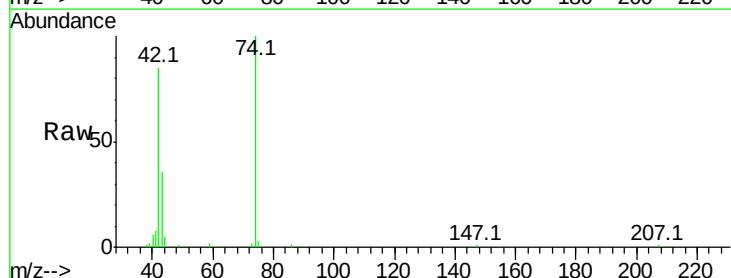
Tgt Ion: 42 Resp: 58648

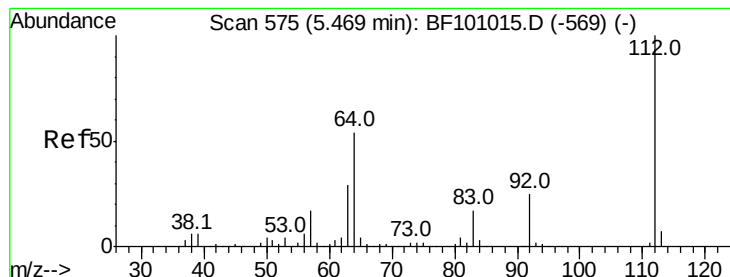
Ion Ratio Lower Upper

42 100

74 118.1 104.9 157.3

44 6.0 6.9 10.3#





#5

2-Fluorophenol

Concen: 78.755 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

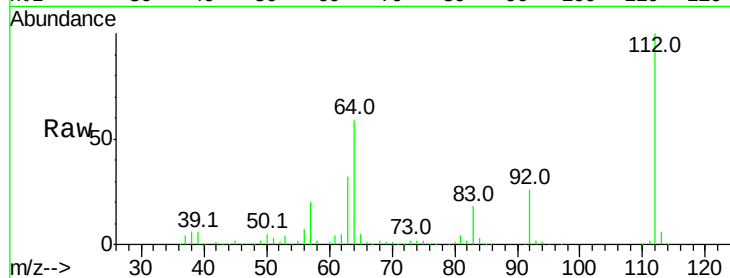
Tot Ion:112 Resp: 219297

Ion Ratio Lower Upper

112 100

64 59.0 47.9 71.9

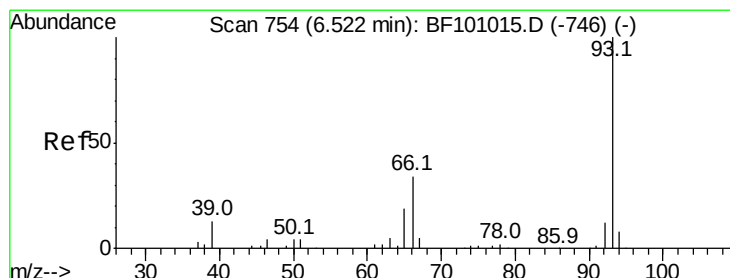
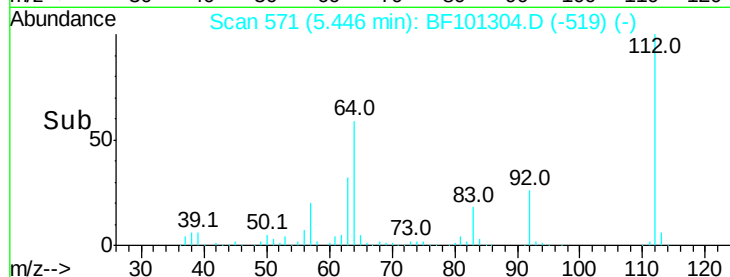
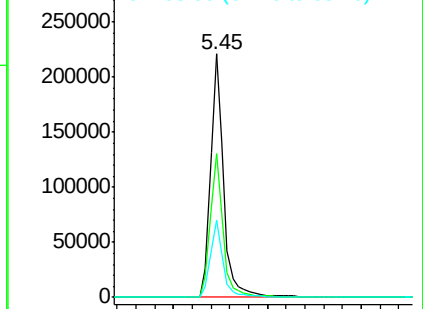
63 31.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 37.601 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

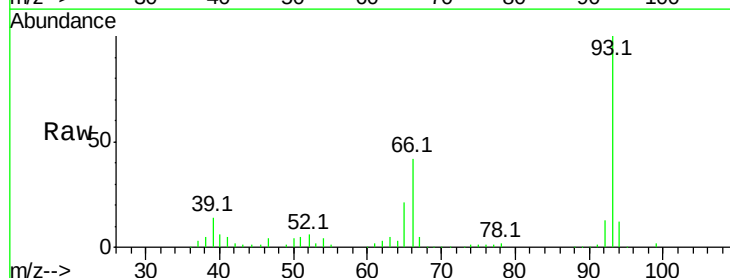
Tgt Ion: 93 Resp: 165303

Ion Ratio Lower Upper

93 100

66 41.8 32.2 48.2

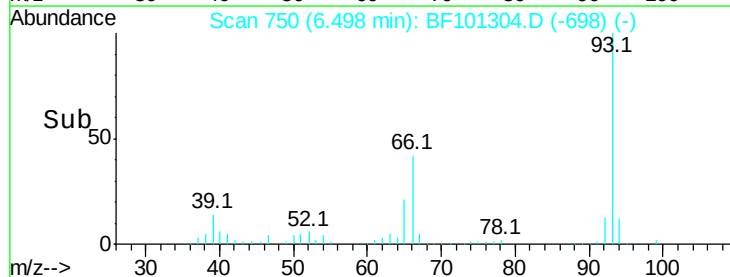
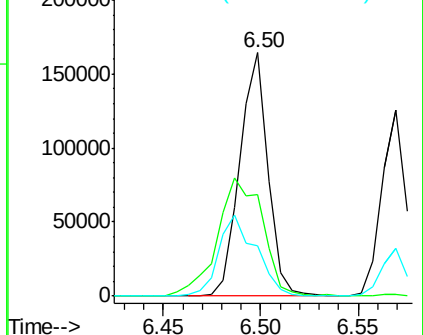
65 20.6 16.4 24.6

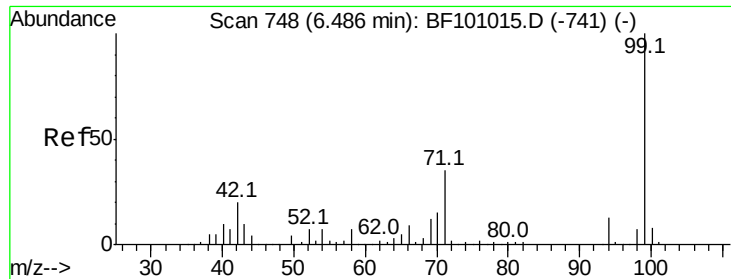


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.139 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

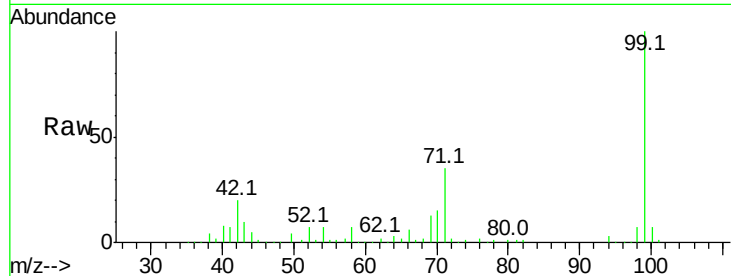
Tot Ion: 99 Resp: 260785

Ion Ratio Lower Upper

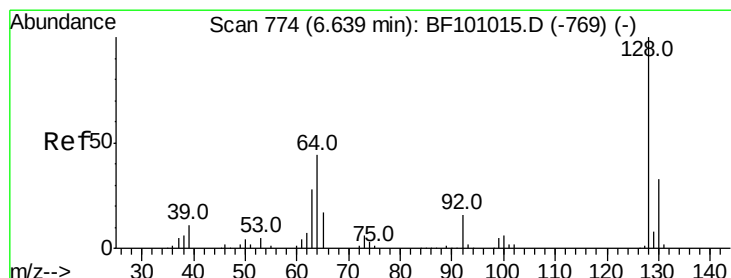
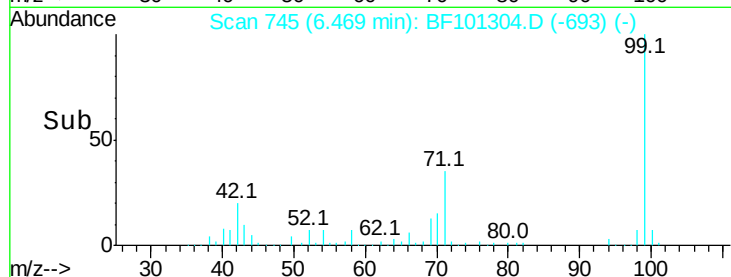
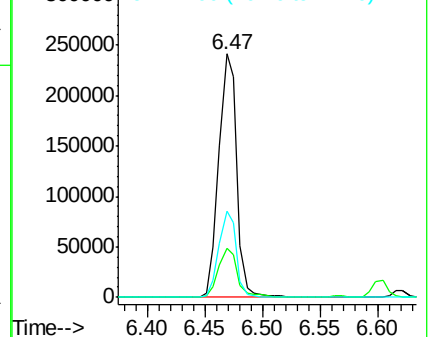
99 100

42 20.1 14.5 21.7

71 35.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.506 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

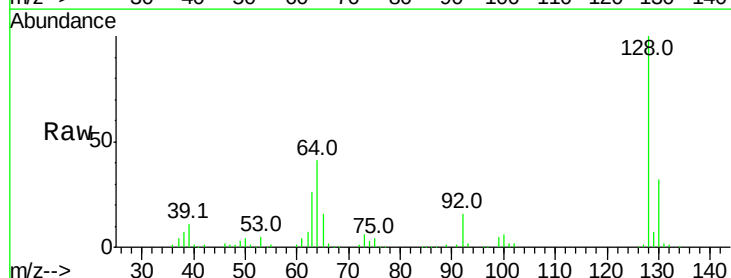
Tgt Ion: 128 Resp: 116907

Ion Ratio Lower Upper

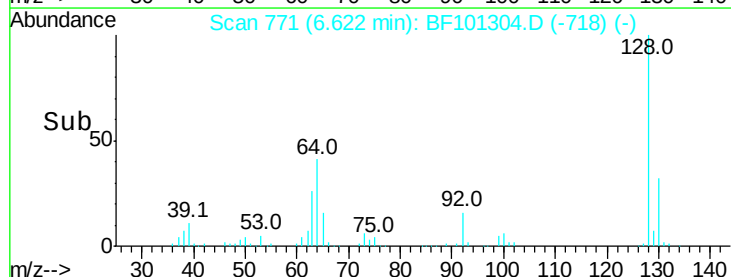
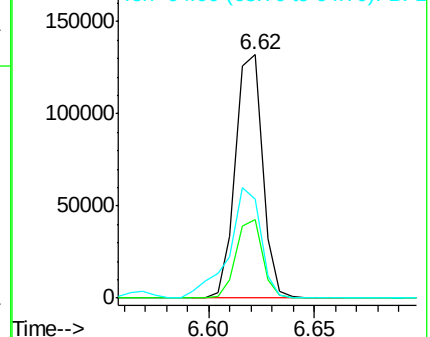
128 100

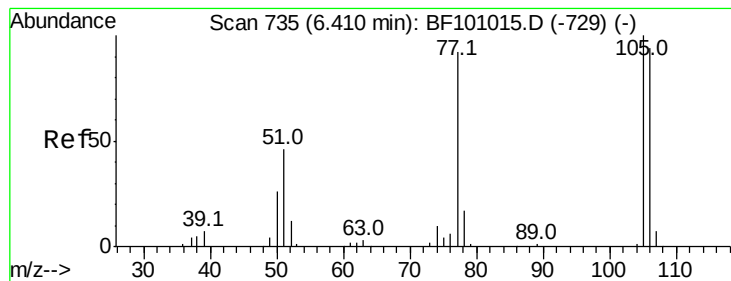
130 32.4 13.0 53.0

64 40.7 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 35.304 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampled :

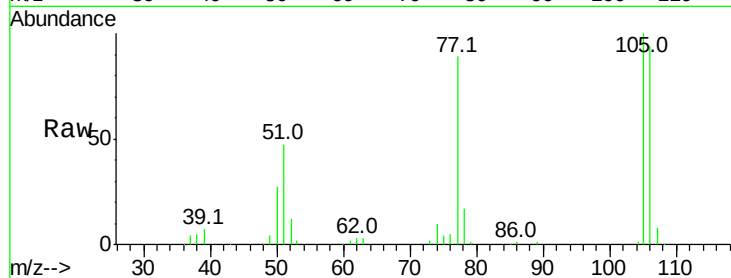
Tot Ion: 77 Resp: 73050

Ion Ratio Lower Upper

77 100

105 112.1 81.1 121.1

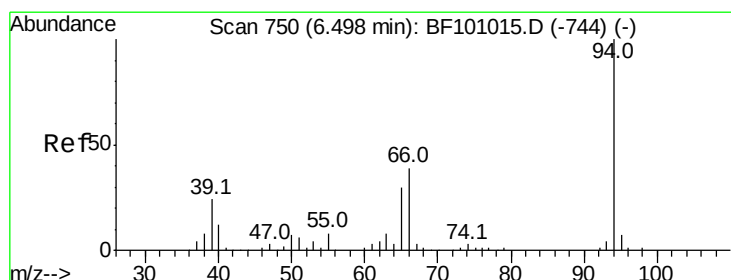
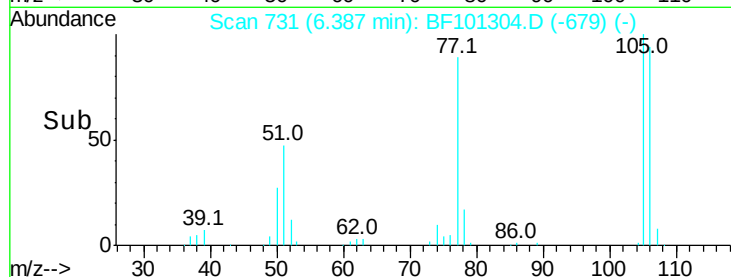
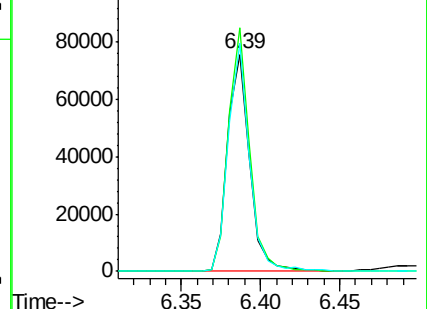
106 105.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.965 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

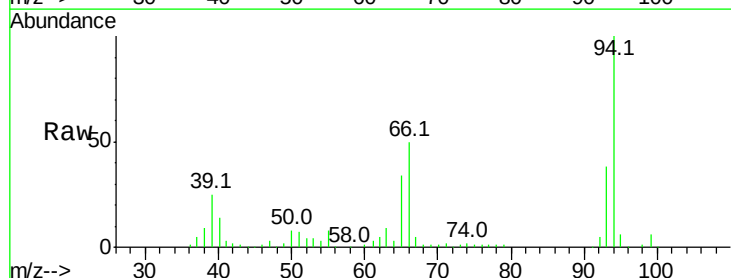
Tgt Ion: 94 Resp: 142715

Ion Ratio Lower Upper

94 100

65 34.4 7.9 47.9

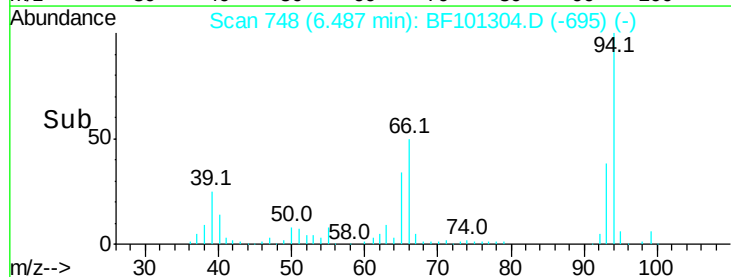
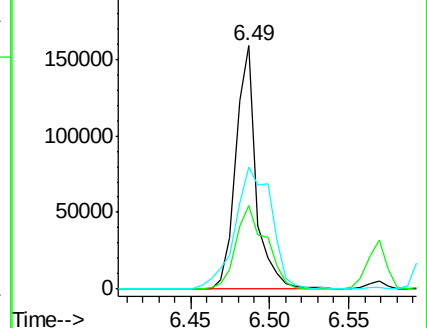
66 50.1 16.2 56.2



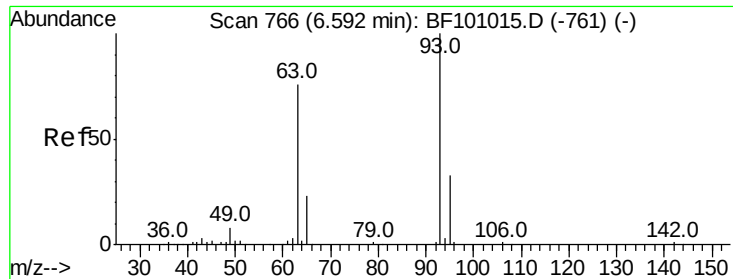
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



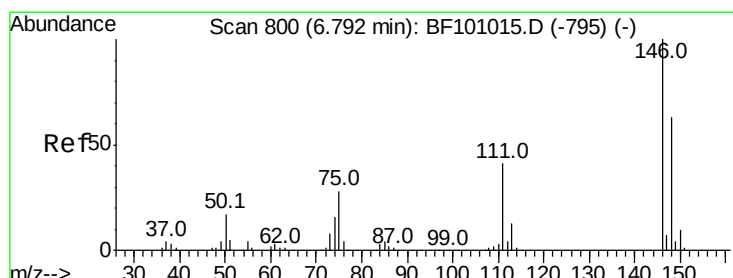
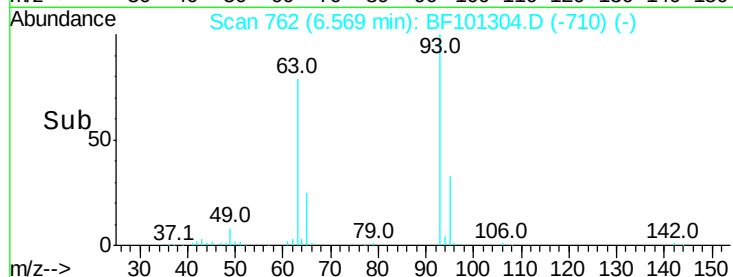
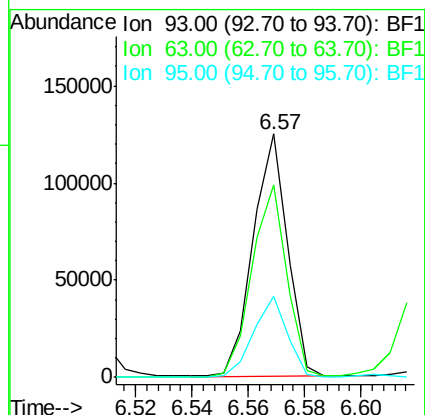
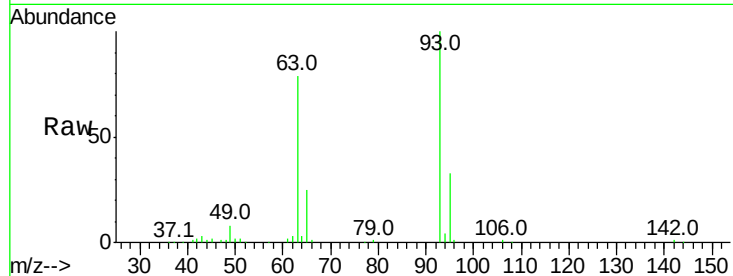




#11  
bis(2-Chloroethyl)ether  
Concen: 37.506 ng  
RT: 6.57 min Scan# 762  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

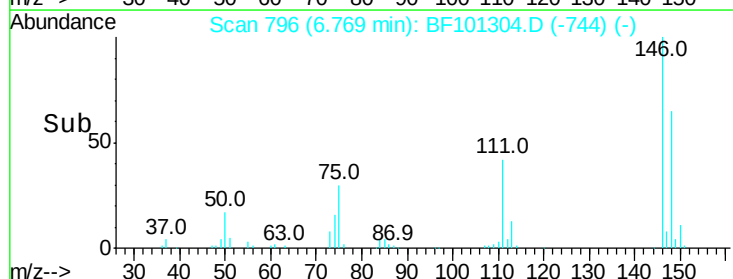
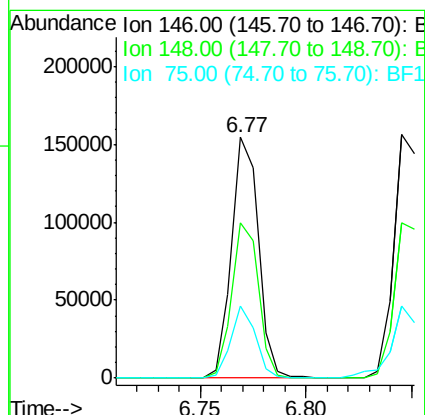
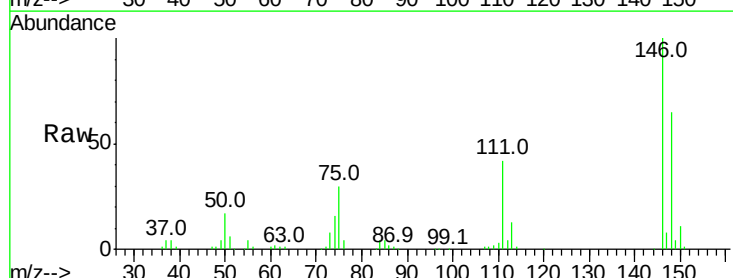
Instrument :  
BNA\_F  
ClientSampleId :

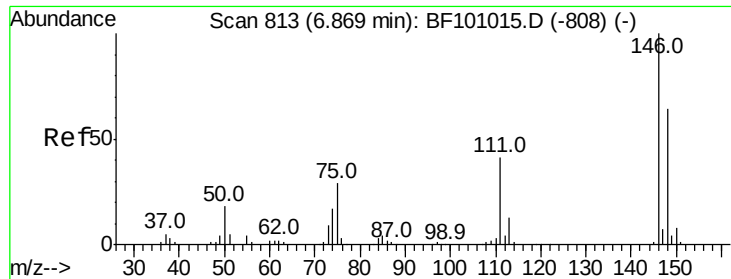
Tot Ion: 93 Resp: 105753  
Ion Ratio Lower Upper  
93 100  
63 78.9 58.6 98.6  
95 33.0 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 38.300 ng  
RT: 6.77 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion: 146 Resp: 135401  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.8 77.8  
75 30.0 24.2 36.4

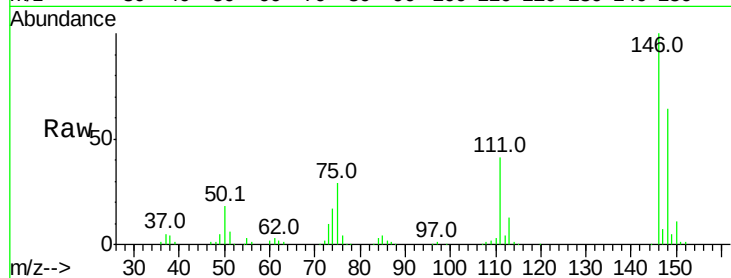




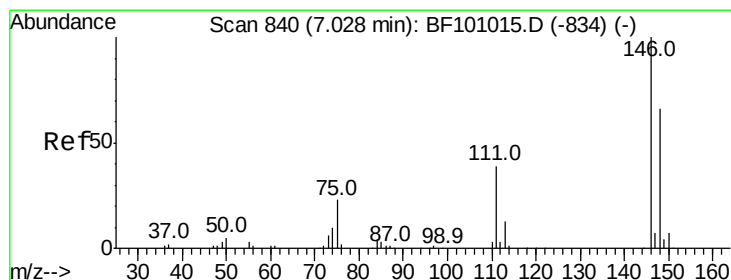
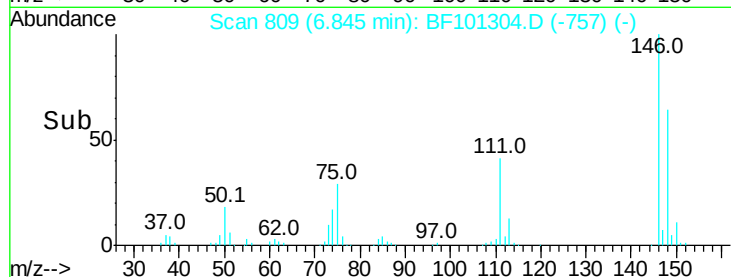
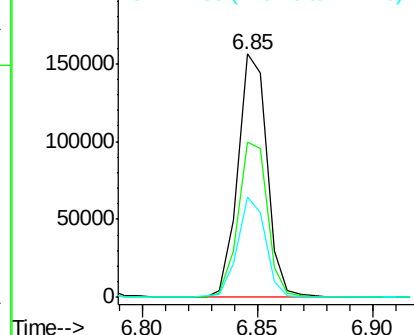
#13  
 1,4-Dichlorobenzene  
 Concen: 37.804 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.8  | 76.2  |
| 111     | 41.0  | 34.2  | 51.2  |

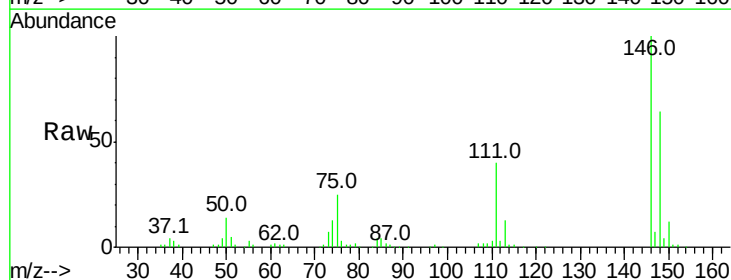


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

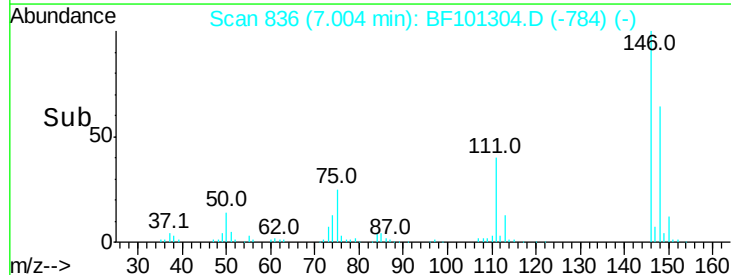
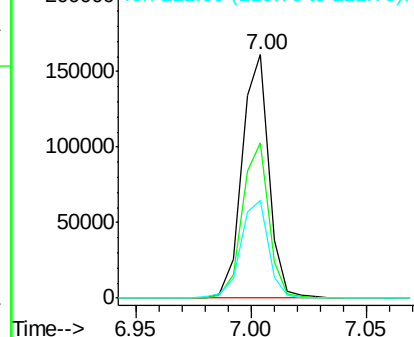


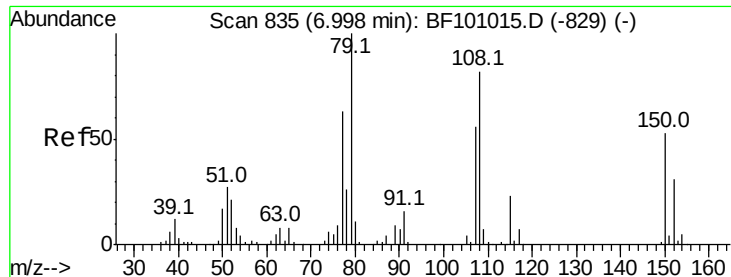
#14  
 1,2-Dichlorobenzene  
 Concen: 38.224 ng  
 RT: 7.00 min Scan# 836  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 50.6  | 75.8  |
| 111     | 40.2  | 36.0  | 54.0  |



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

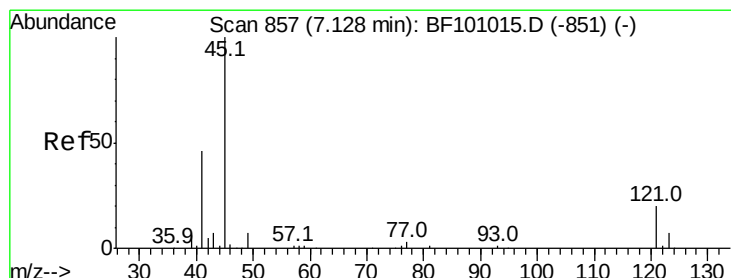
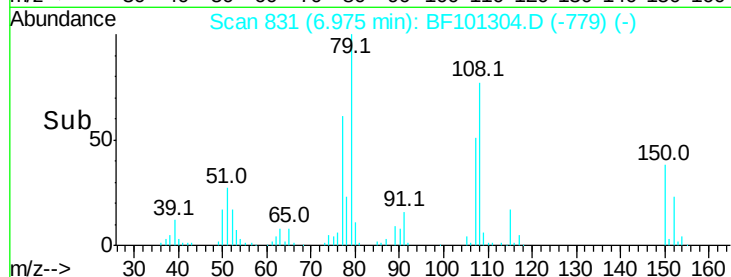
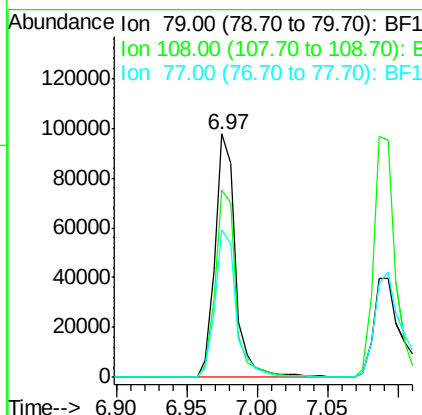
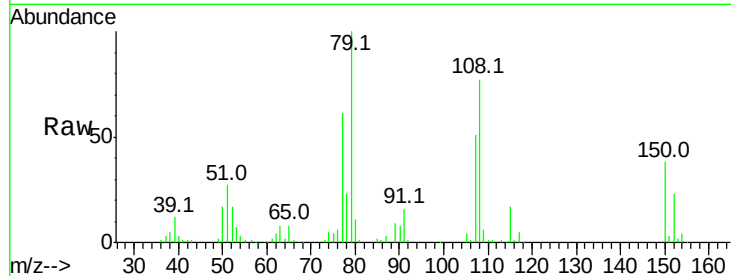




#15  
Benzyl Alcohol  
Concen: 37.720 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

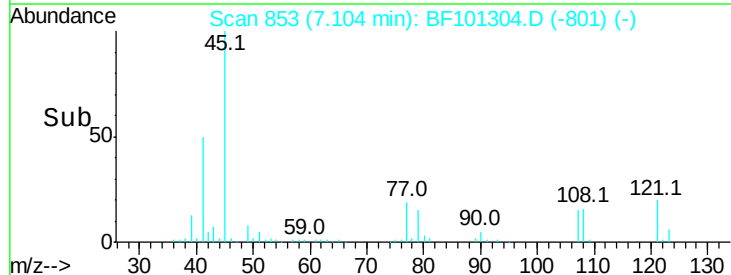
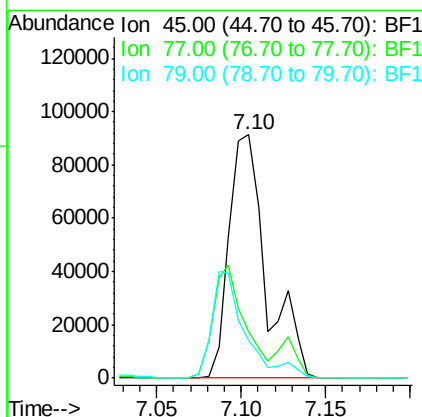
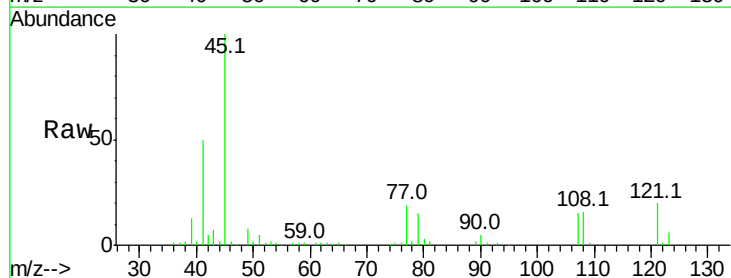
Instrument :  
BNA\_F  
ClientSampled :

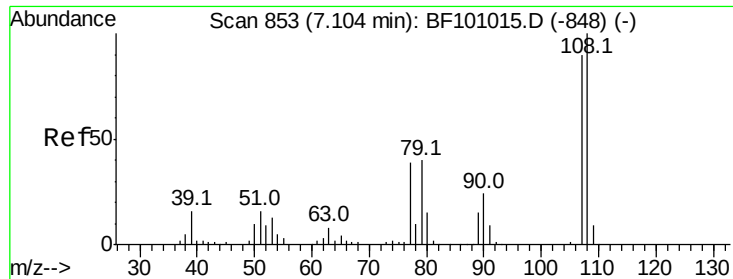
Tot Ion: 79 Resp: 98491  
Ion Ratio Lower Upper  
79 100  
108 77.1 65.1 97.7  
77 60.6 50.6 75.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 36.542 ng  
RT: 7.10 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion: 45 Resp: 140055  
Ion Ratio Lower Upper  
45 100  
77 19.0 0.0 32.9  
79 15.2 0.0 29.6

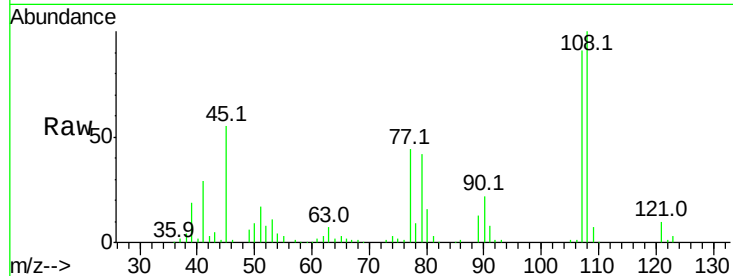




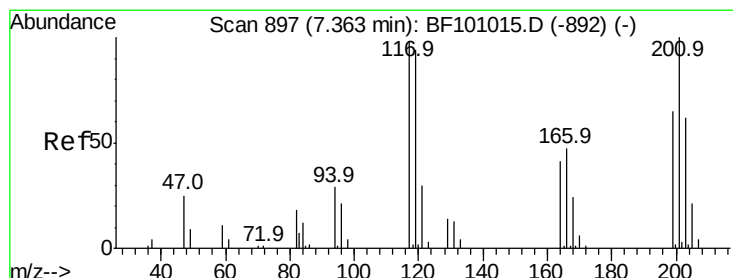
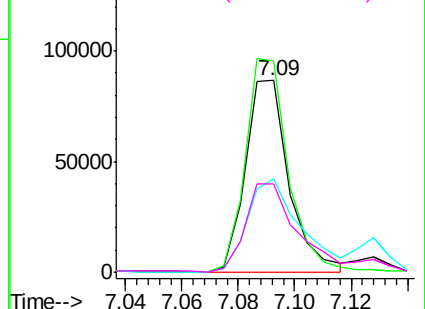
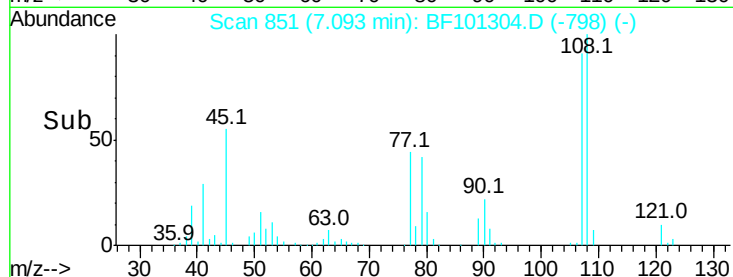
#17  
2-Methylphenol  
Concen: 37.938 ng  
RT: 7.09 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:107 Resp: 93008  
Ion Ratio Lower Upper  
107 100  
108 110.1 91.7 137.5  
77 48.9 33.8 50.8  
79 45.8 33.8 50.8

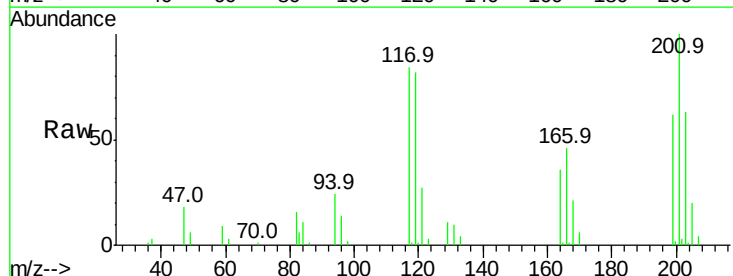


Abundance Ion 107.00 (106.70 to 107.70): E  
150000  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

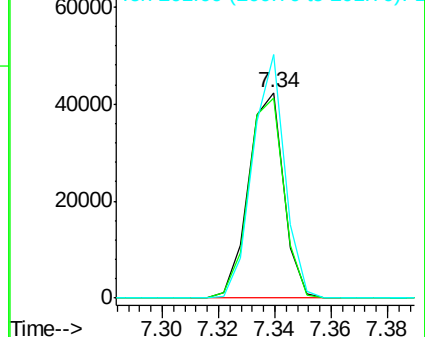
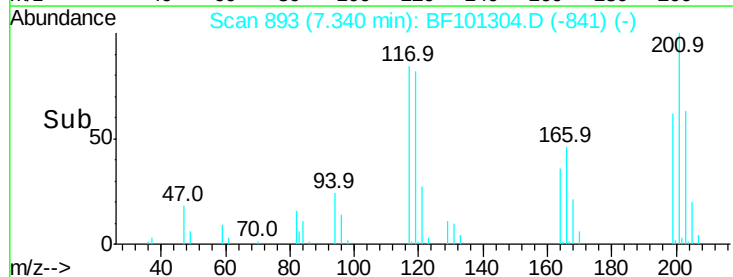


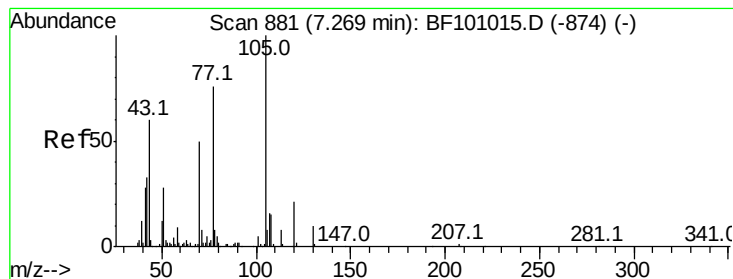
#18  
Hexachloroethane  
Concen: 31.057 ng  
RT: 7.34 min Scan# 893  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion:117 Resp: 36521  
Ion Ratio Lower Upper  
117 100  
119 97.4 75.8 113.8  
201 118.4 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E  
60000  
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: 36.972 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 70 Resp: 84177

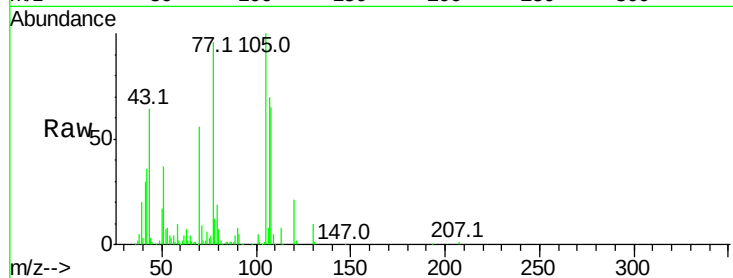
Ion Ratio Lower Upper

70 100

42 64.8 47.5 71.3

101 9.5 7.4 11.2

130 18.6 16.6 25.0

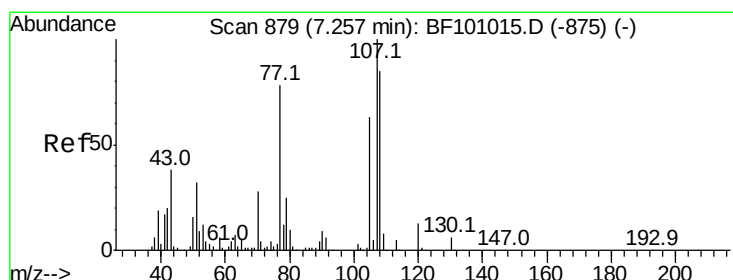
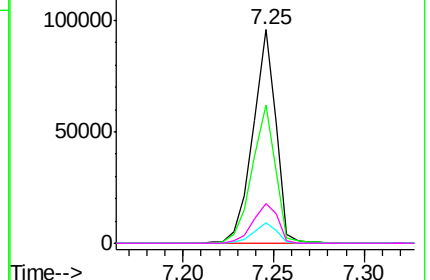
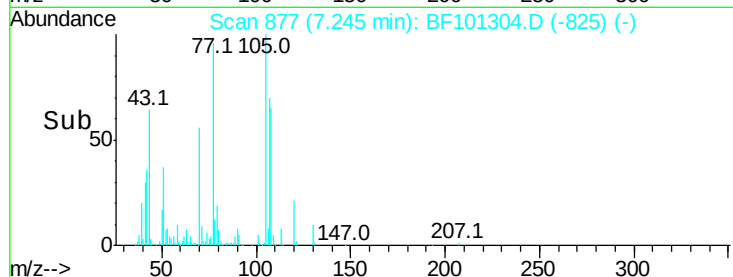


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 37.499 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Tgt Ion: 107 Resp: 119894

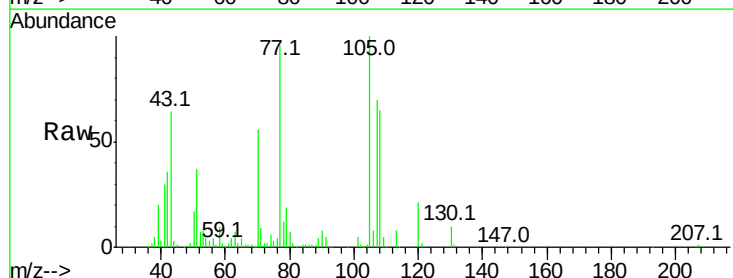
Ion Ratio Lower Upper

107 100

108 92.0 68.2 108.2

77 137.1 26.7 66.7#

79 27.5 6.3 46.3

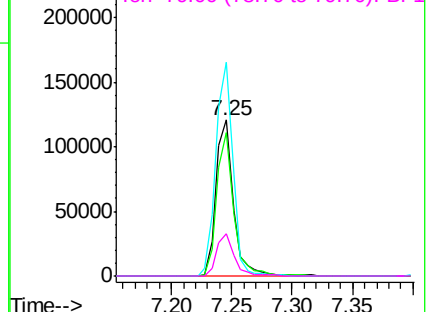
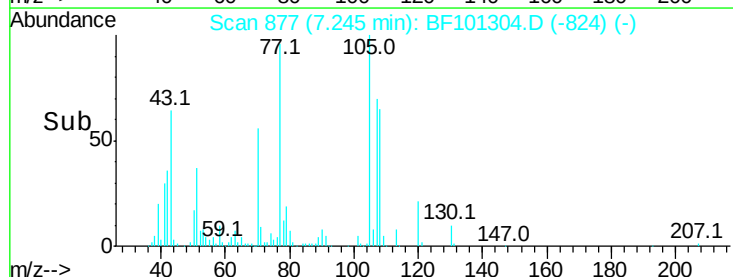


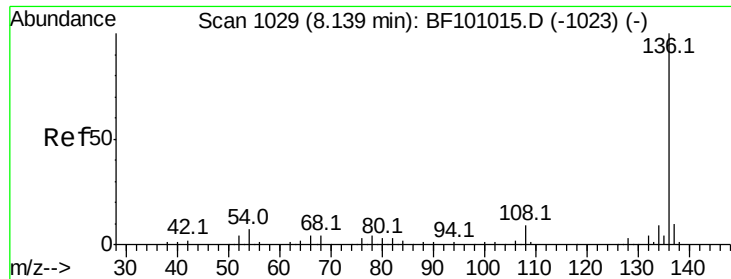
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

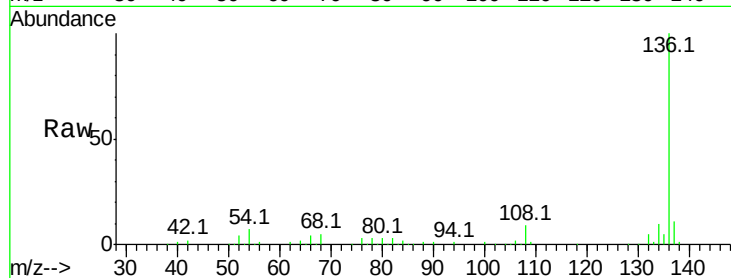




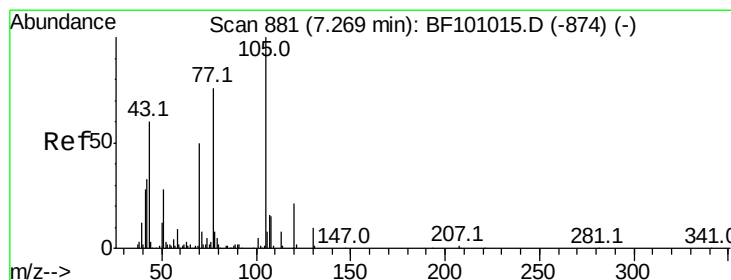
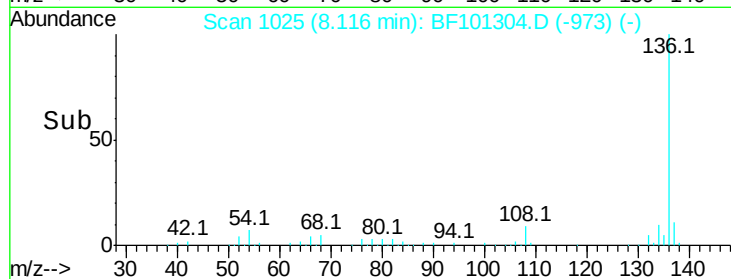
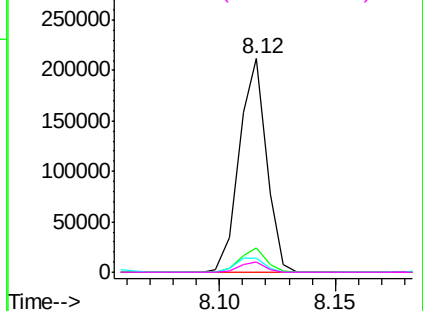
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 174052 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.9   | 13.3   |
| 54       | 6.8   | 6.6   | 9.8    |
| 68       | 4.6   | 5.0   | 7.4#   |

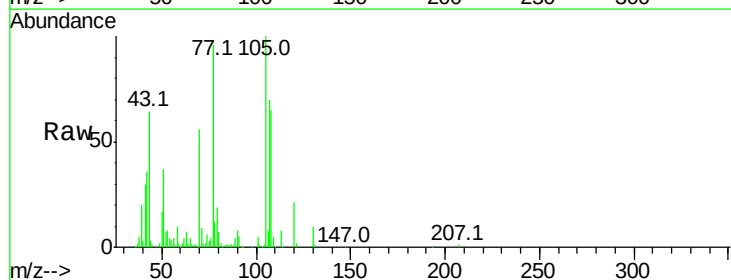


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

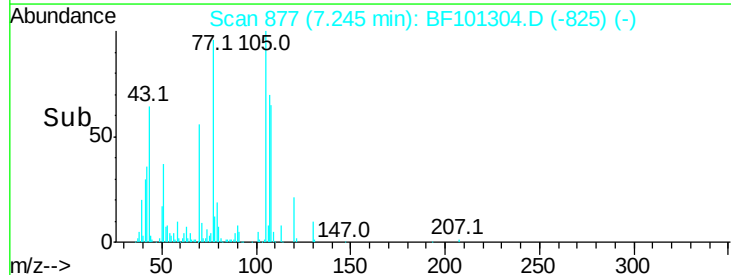
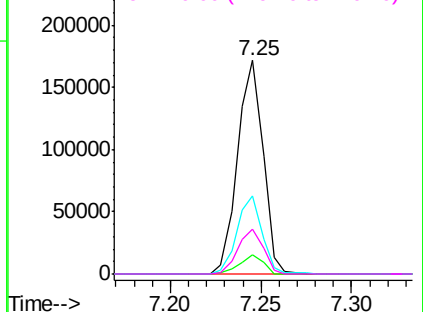


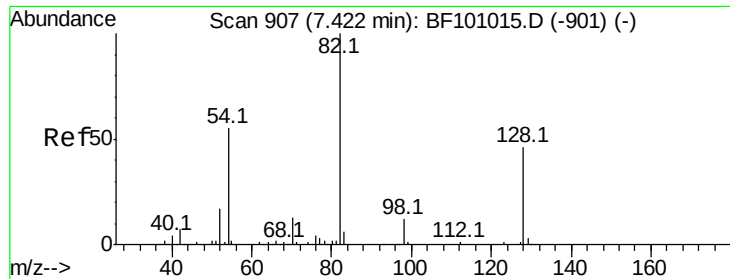
#22  
Acetophenone  
Concen: 39.962 ng  
RT: 7.25 min Scan# 877  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 168041 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 9.1   | 4.4   | 6.6#   |
| 51       | 36.5  | 22.3  | 33.5#  |
| 120      | 21.1  | 16.9  | 25.3   |



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

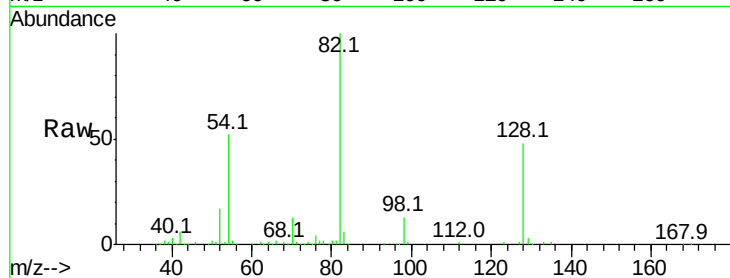




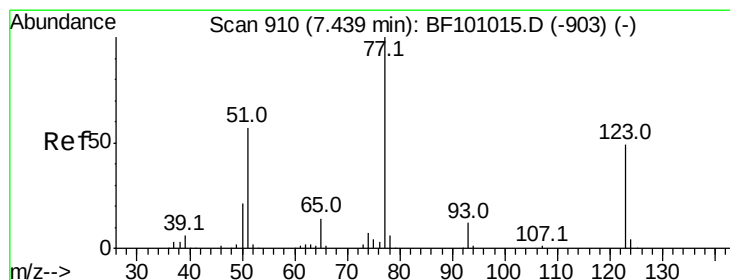
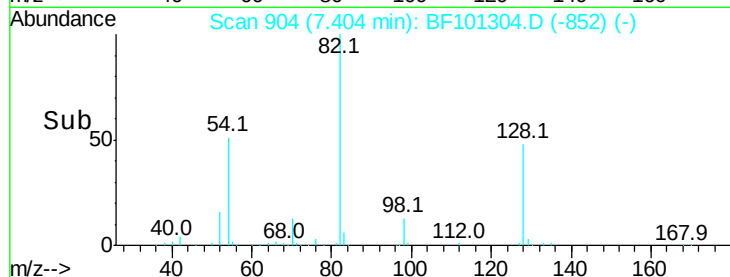
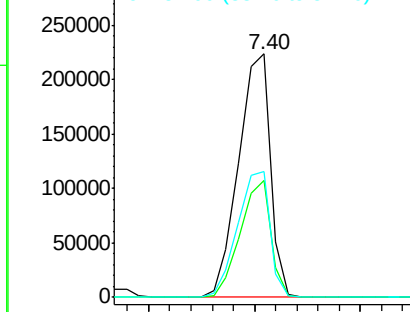
#23  
Nitrobenzene-d5  
Concen: 80.328 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.8  | 36.1  | 54.1  |
| 54      | 51.7  | 41.4  | 62.2  |

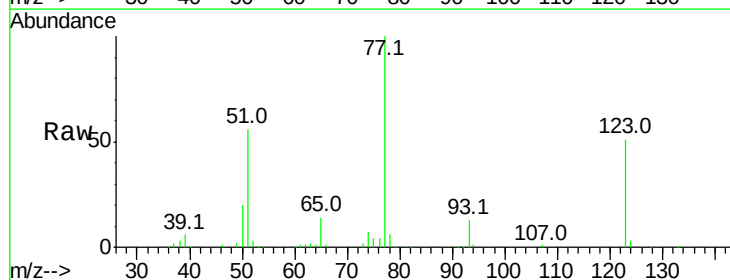


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

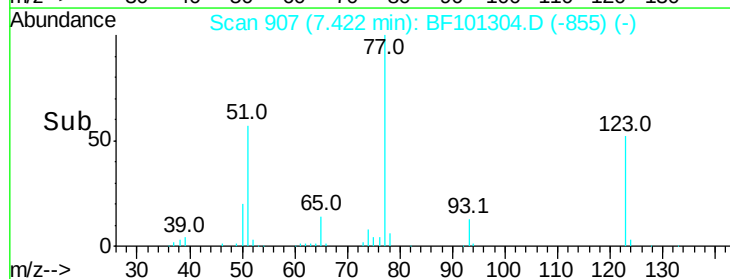
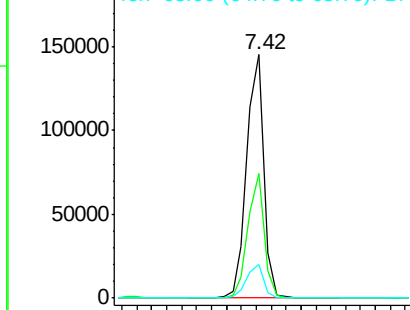


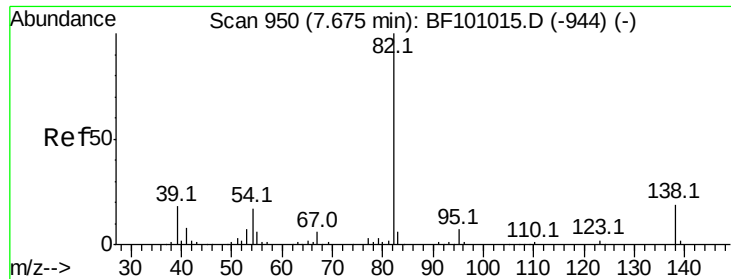
#24  
Nitrobenzene  
Concen: 40.343 ng  
RT: 7.42 min Scan# 907  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 51.2  | 37.9  | 56.9  |
| 65      | 13.8  | 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: 38.803 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

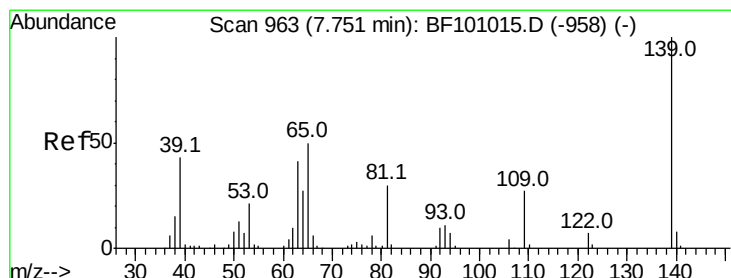
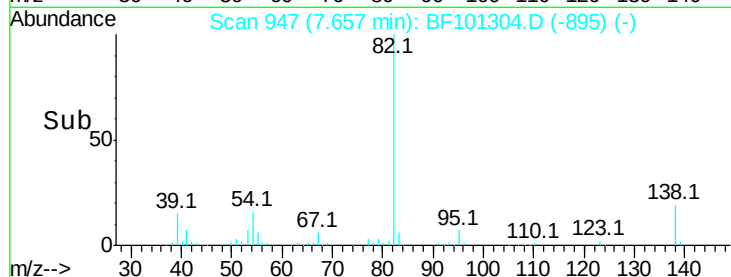
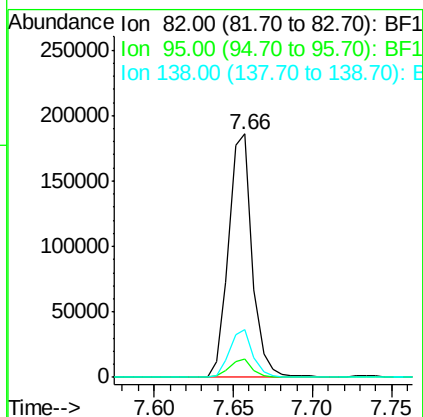
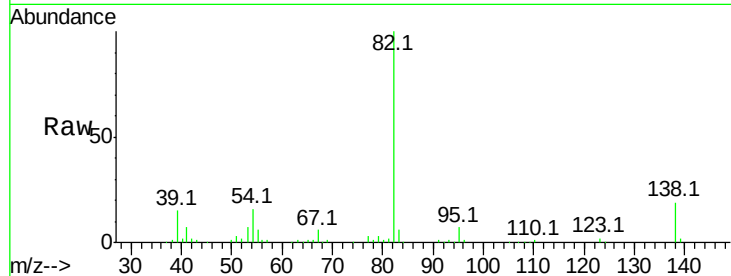
Tot Ion: 82 Resp: 193388

Ion Ratio Lower Upper

82 100

95 7.5 5.2 7.8

138 19.5 14.9 22.3



#26

2-Nitrophenol

Concen: 32.568 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

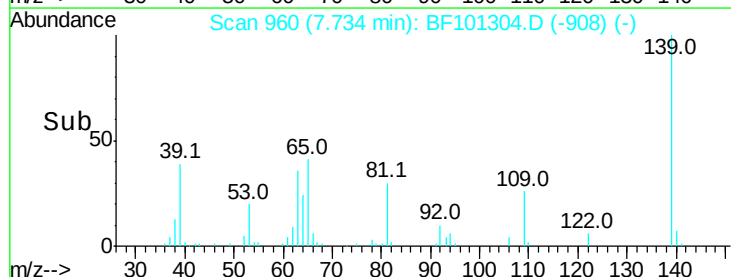
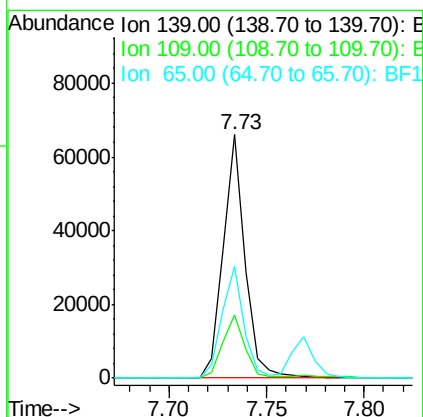
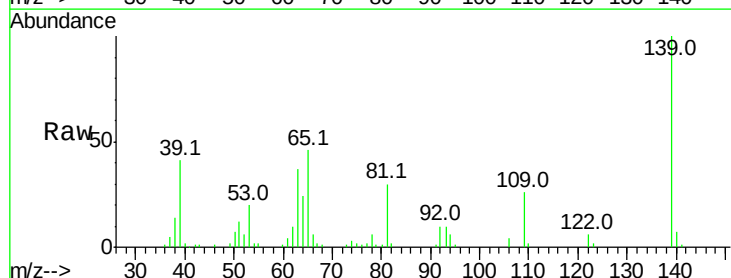
Tgt Ion: 139 Resp: 51125

Ion Ratio Lower Upper

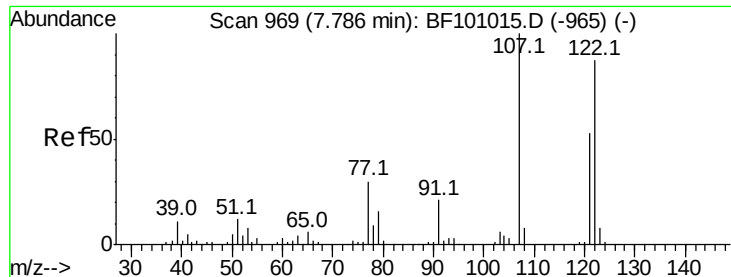
139 100

109 25.8 22.7 34.1

65 45.8 40.5 60.7







#27

2,4-Dimethylphenol

Concen: 40.589 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

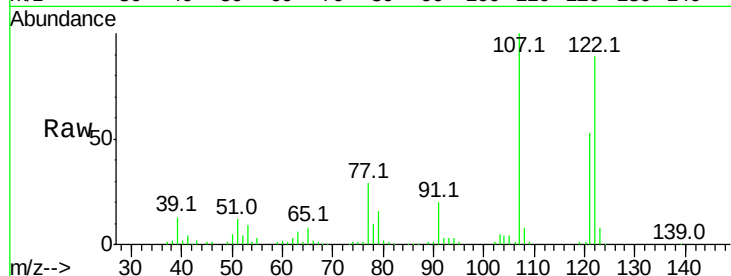
Tot Ion:122 Resp: 92170

Ion Ratio Lower Upper

122 100

107 112.2 91.2 136.8

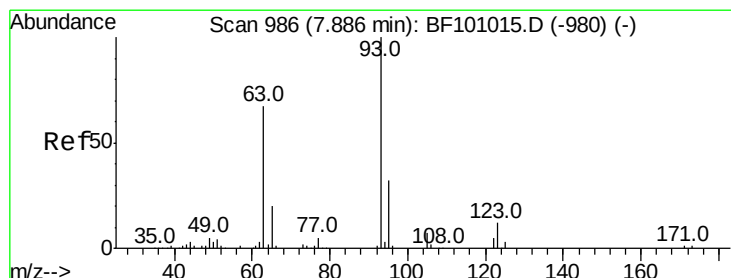
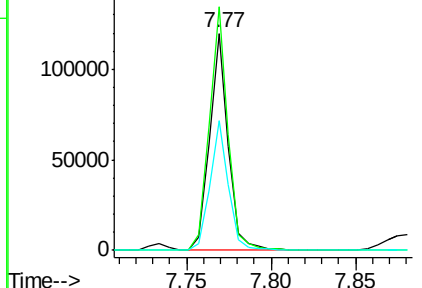
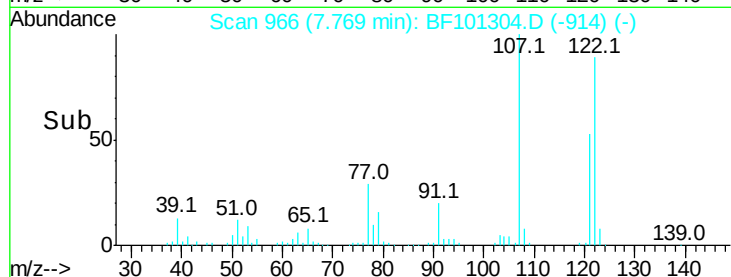
121 59.7 47.2 70.8



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: 39.548 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

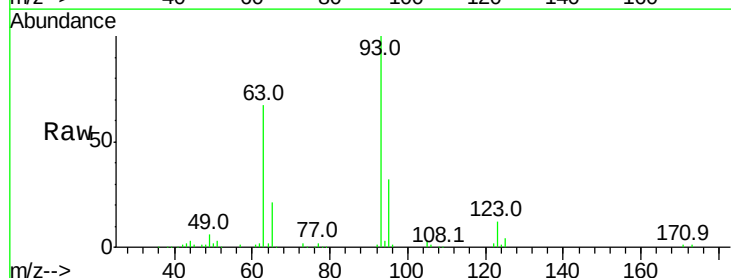
Tgt Ion: 93 Resp: 132471

Ion Ratio Lower Upper

93 100

95 32.4 26.3 39.5

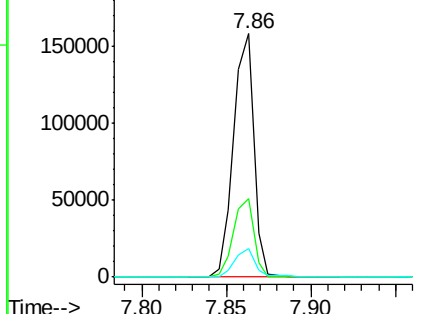
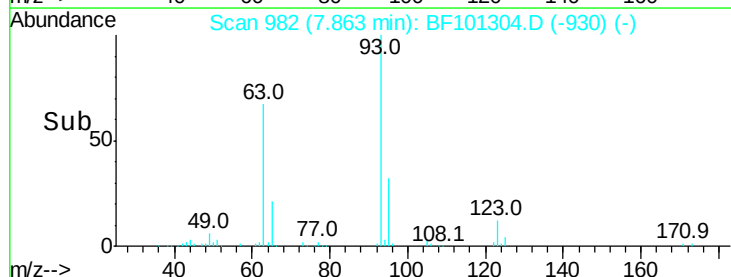
123 11.7 9.8 14.6

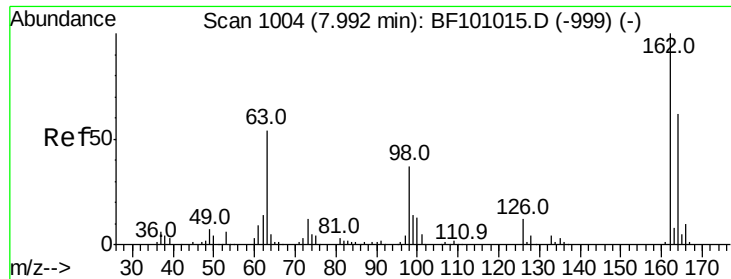


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

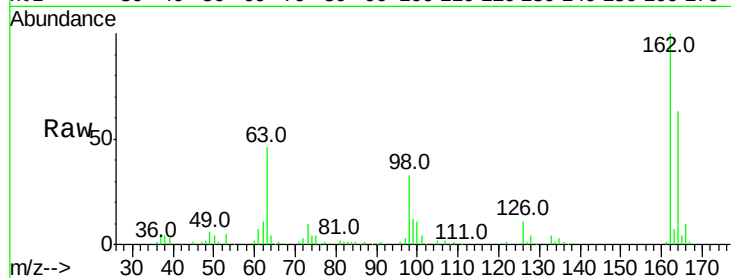




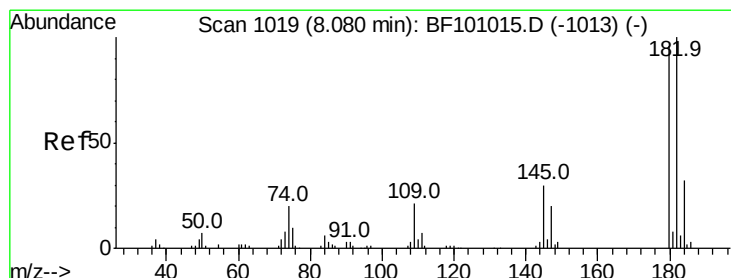
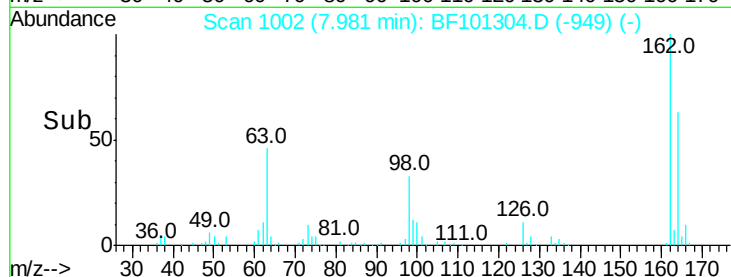
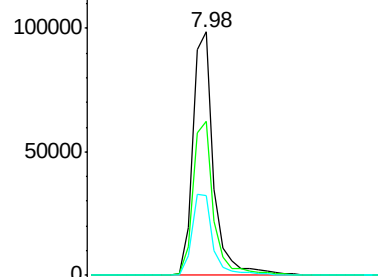
#29  
 2,4-Dichlorophenol  
 Concen: 39.059 ng  
 RT: 7.98 min Scan# 1002  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.1  | 42.7  | 82.7  |
| 98      | 32.7  | 18.1  | 58.1  |

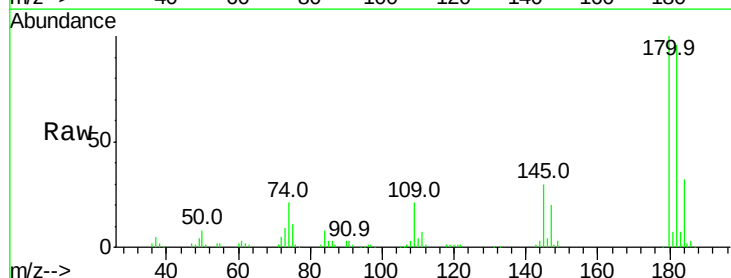


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

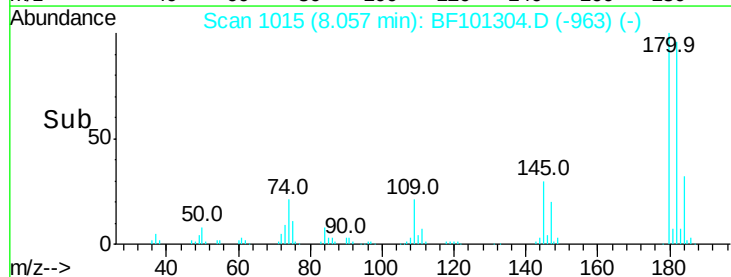
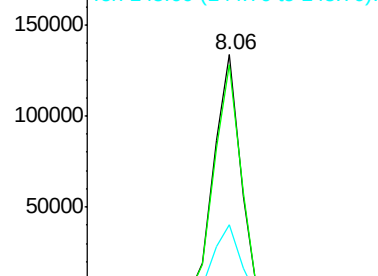


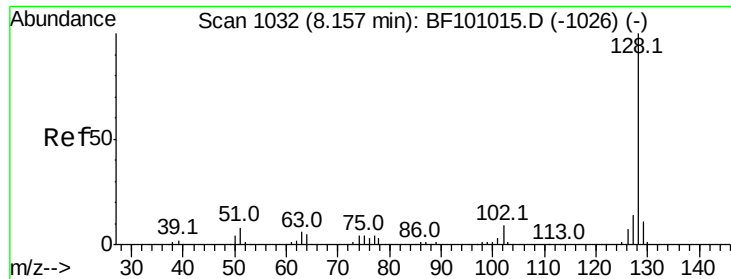
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.563 ng  
 RT: 8.06 min Scan# 1015  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 76.8  | 115.2 |
| 145     | 30.4  | 26.5  | 39.7  |



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

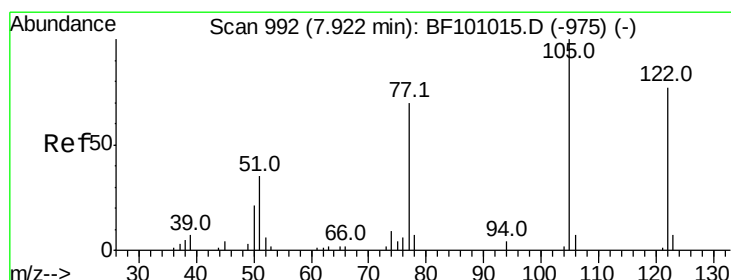
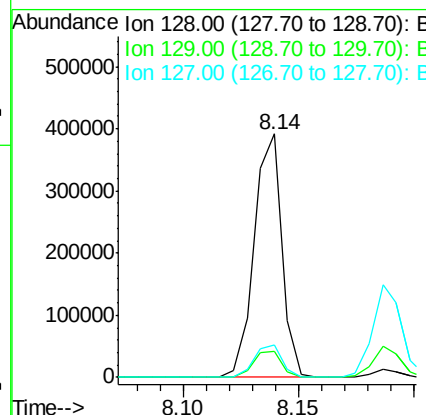
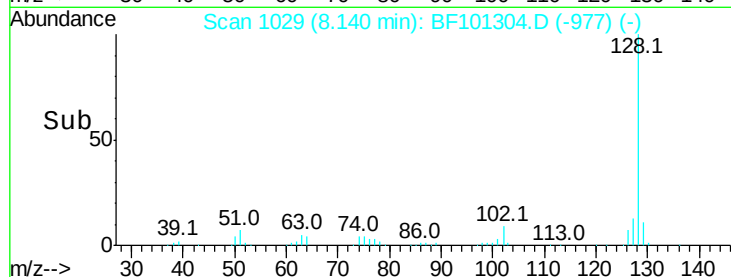
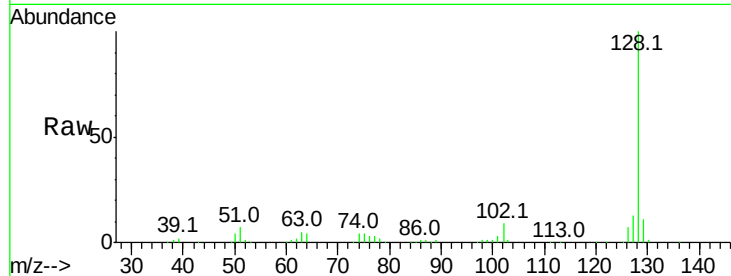




#31  
Naphthalene  
Concen: 38.400 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

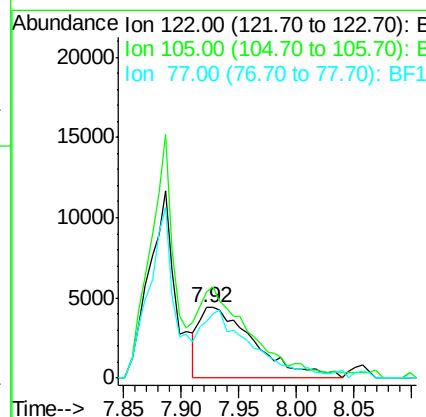
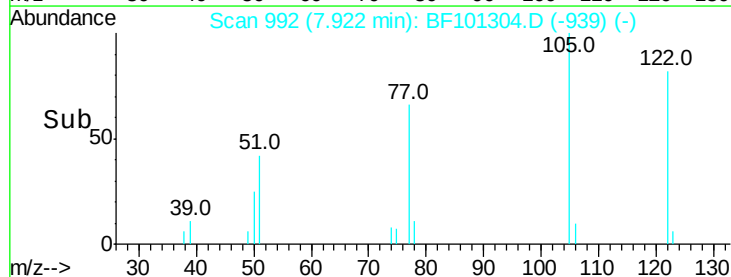
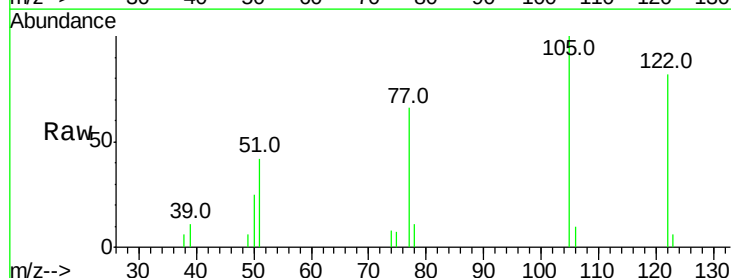
Instrument :  
BNA\_F  
ClientSampleId :

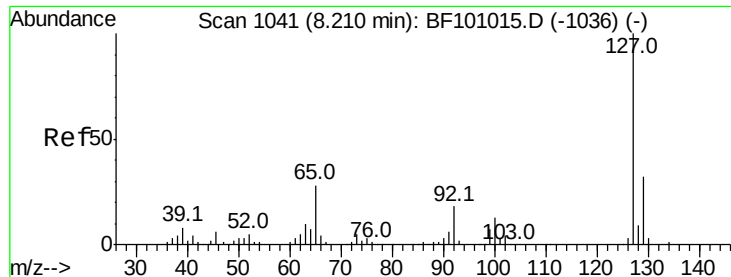
Tot Ion:128 Resp: 329403  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 13.3 10.9 16.3



#32  
Benzoic acid  
Concen: 8.356 ng  
RT: 7.92 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion:122 Resp: 14759  
Ion Ratio Lower Upper  
122 100  
105 122.3 101.1 141.1  
77 81.3 70.7 110.7

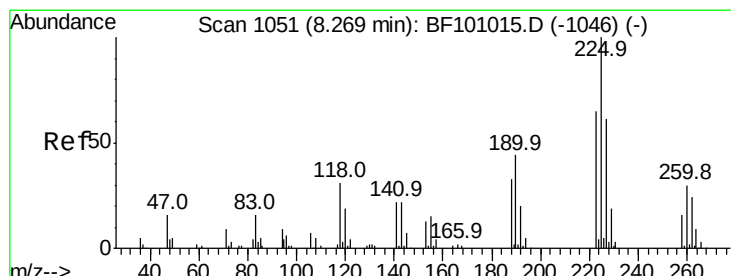
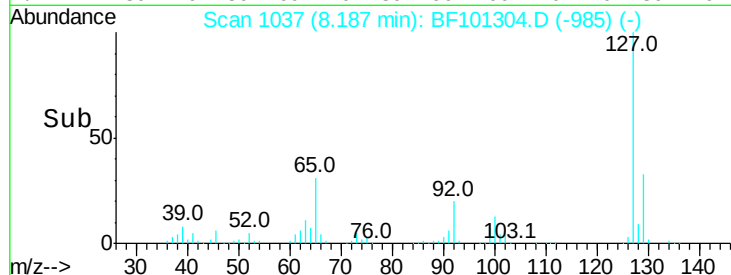
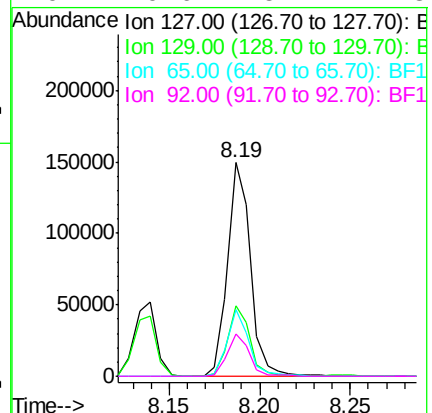
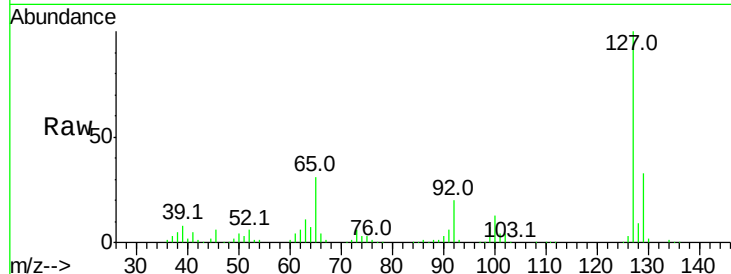




#33  
4-Chloroaniline  
Concen: 38.167 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

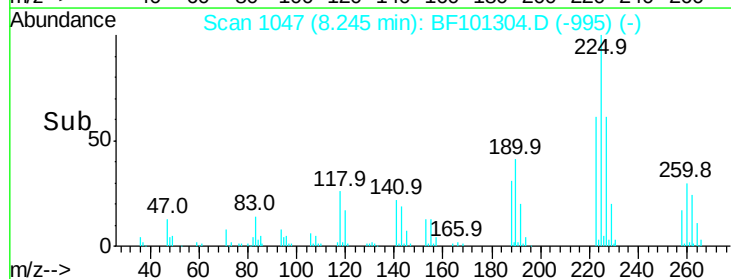
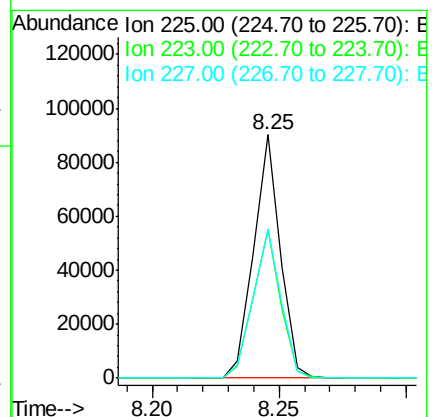
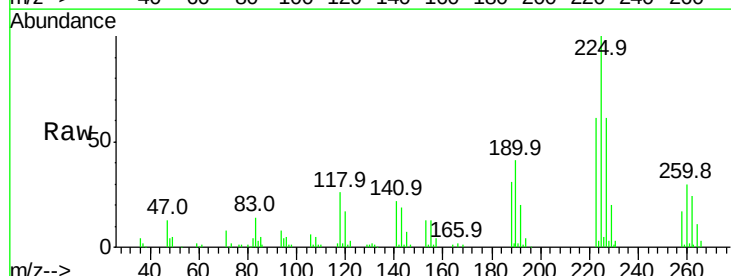
Instrument :  
BNA\_F  
ClientSampleId :

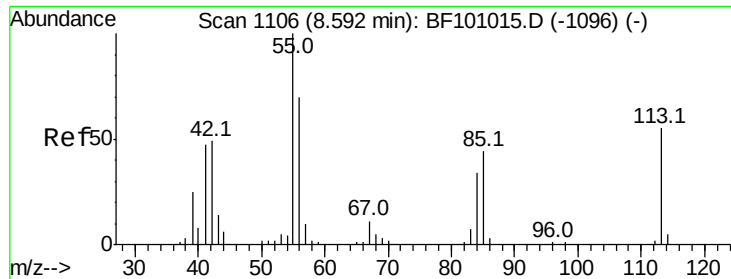
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 131550 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.2  | 25.9  | 38.9   |
| 65       | 31.2  | 25.0  | 37.4   |
| 92       | 19.6  | 15.2  | 22.8   |



#34  
Hexachlorobutadiene  
Concen: 39.569 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 65963 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.4  | 50.6  | 76.0  |
| 227      | 61.4  | 51.9  | 77.9  |

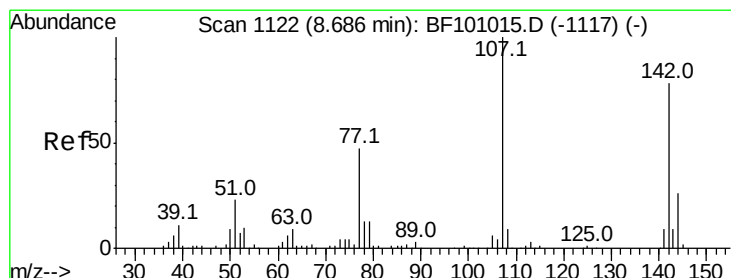
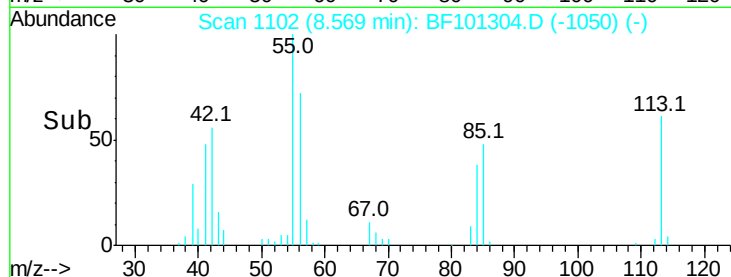
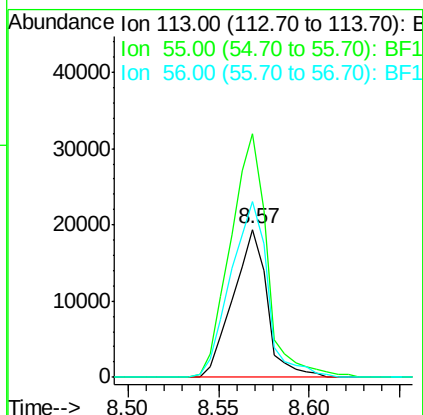
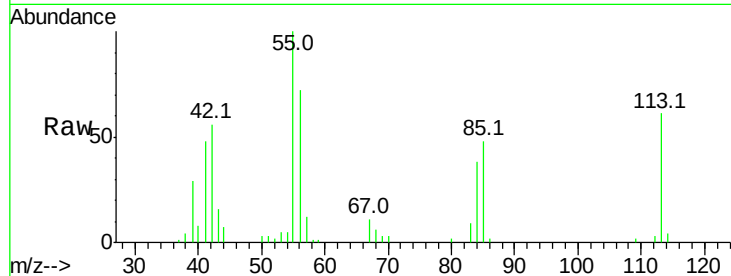




#35  
 Caprolactam  
 Concen: 32.942 ng  
 RT: 8.57 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

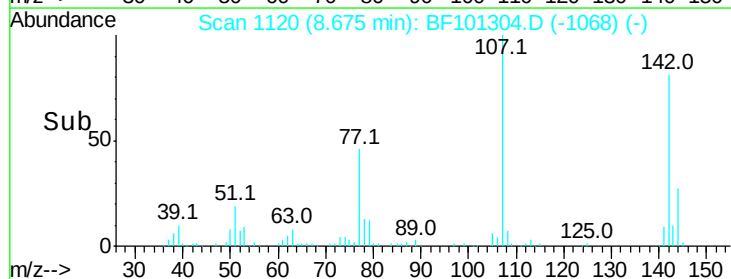
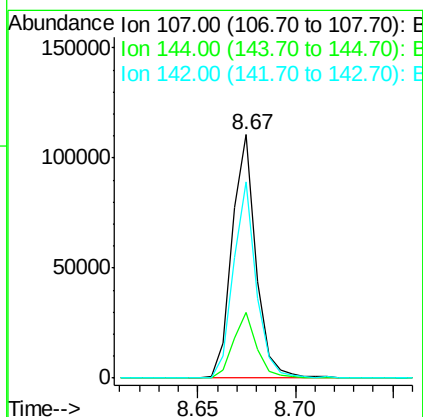
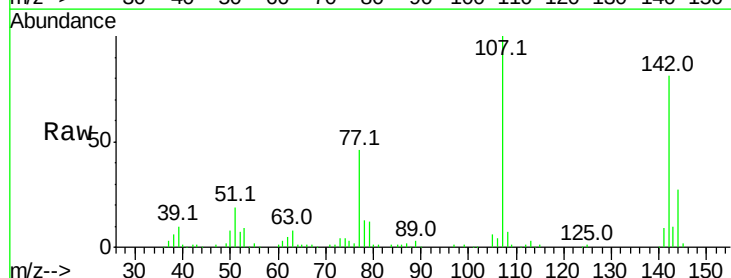
Instrument :  
 BNA\_F  
 ClientSampled :

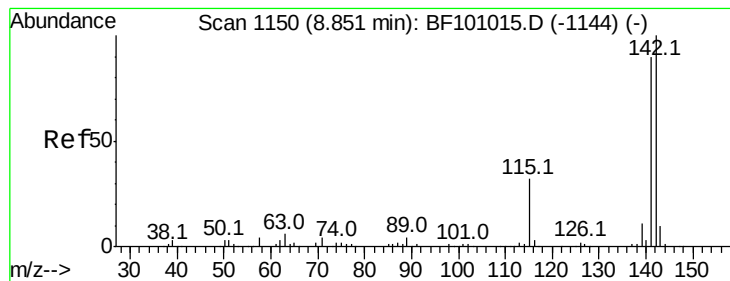
Tot Ion:113 Resp: 25376  
 Ion Ratio Lower Upper  
 113 100  
 55 164.5 163.3 203.3  
 56 119.0 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 36.697 ng  
 RT: 8.67 min Scan# 1120  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:107 Resp: 93960  
 Ion Ratio Lower Upper  
 107 100  
 144 26.9 20.5 30.7  
 142 80.5 62.0 93.0

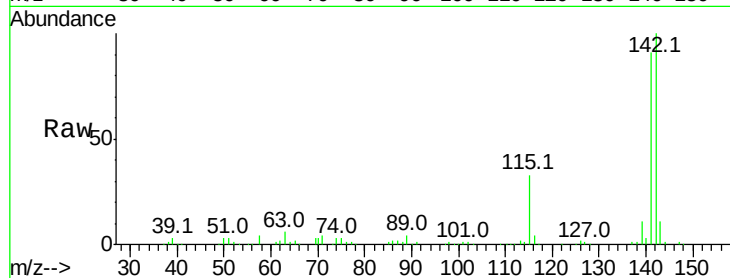




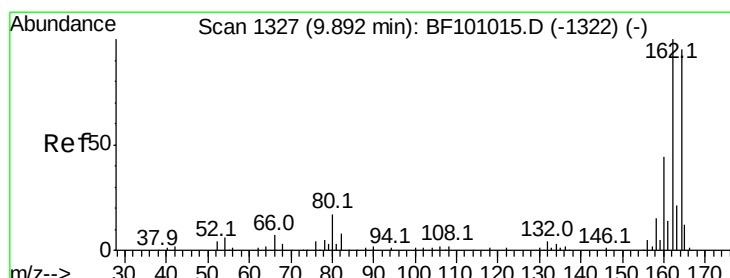
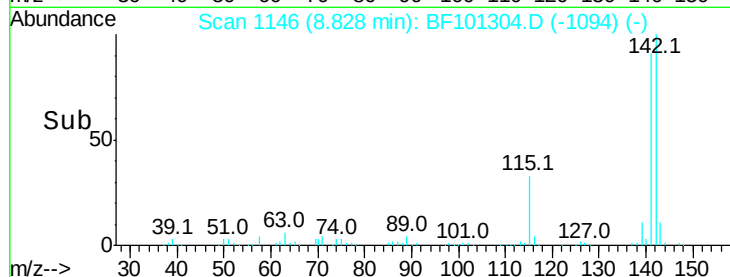
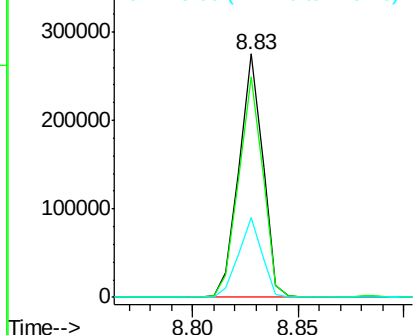
#37  
 2-Methylnaphthalene  
 Concen: 36.843 ng  
 RT: 8.83 min Scan# 1146  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 70.8  | 106.2 |
| 115     | 33.0  | 26.1  | 39.1  |

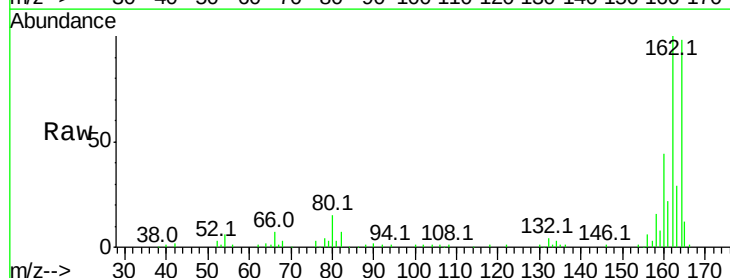


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

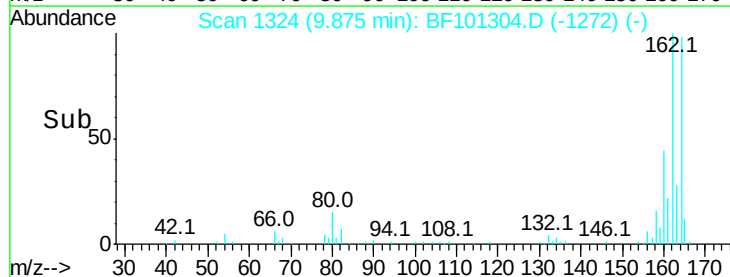
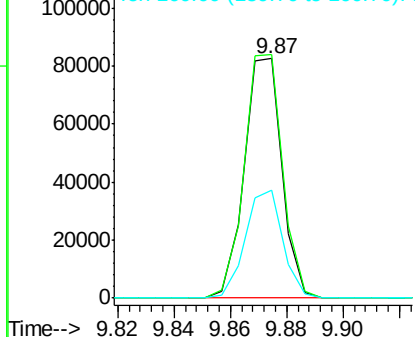


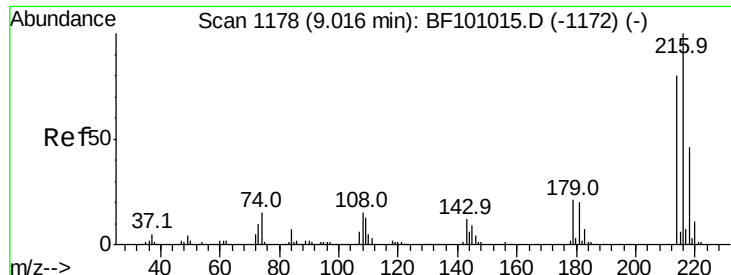
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.7 | 86.1  | 129.1 |
| 160     | 45.2  | 38.3  | 57.5  |



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

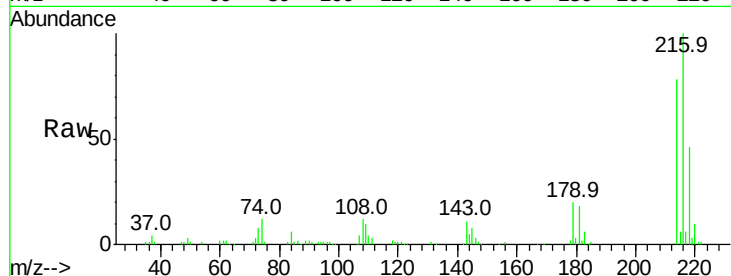




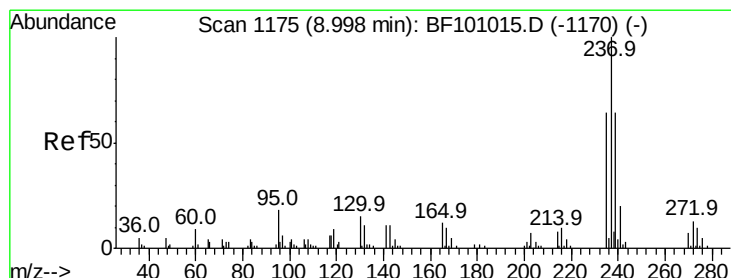
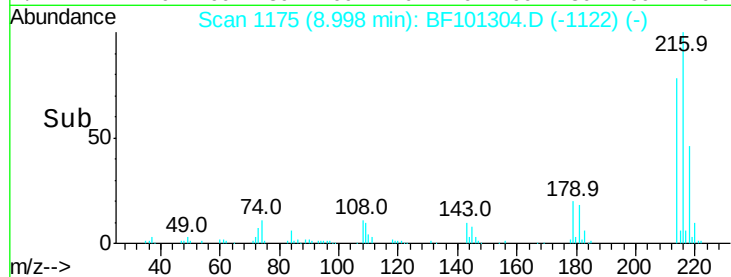
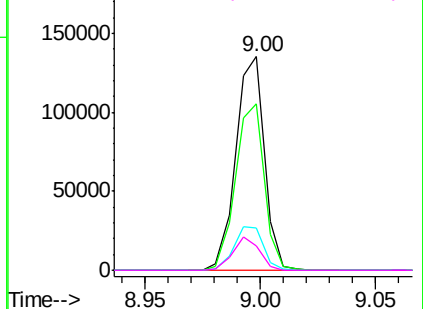
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.141 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 116924 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.6  | 63.0  | 94.4   |
| 179      | 20.8  | 18.1  | 27.1   |
| 108      | 14.7  | 17.2  | 25.8#  |

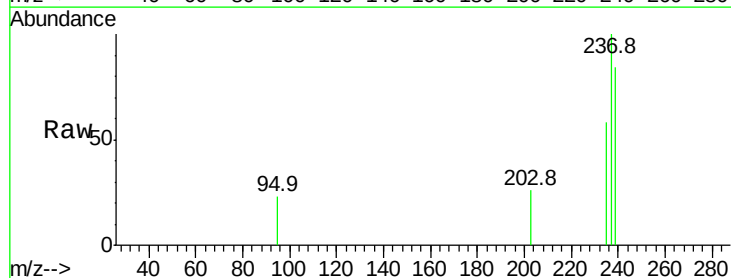


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

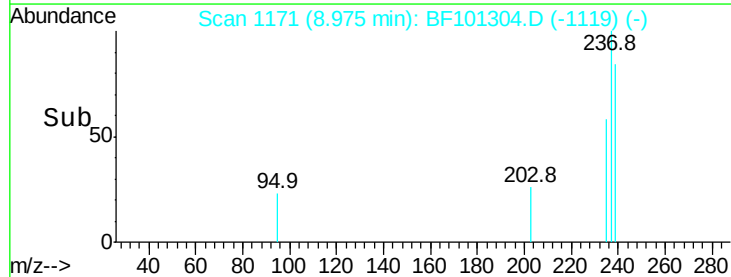
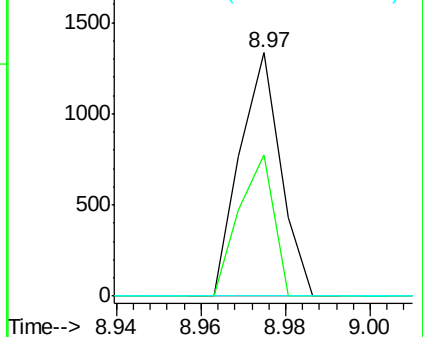


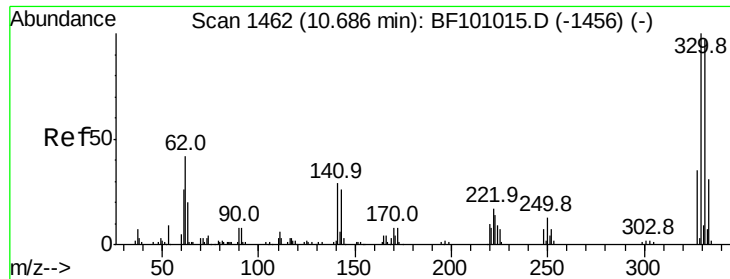
#40  
 Hexachlorocyclopentadiene  
 Concen: 8.966 ng  
 RT: 8.97 min Scan# 1171  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 894   |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 58.1  | 44.8  | 84.8  |
| 272      | 0.0   | 0.0   | 33.3  |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

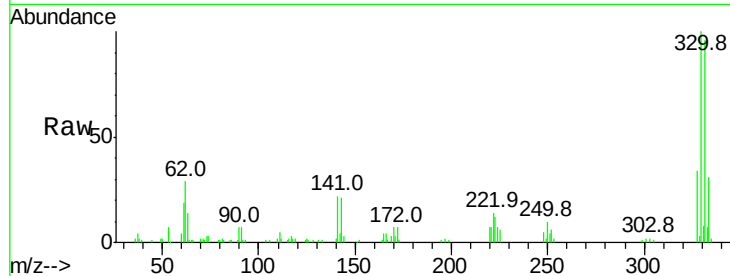




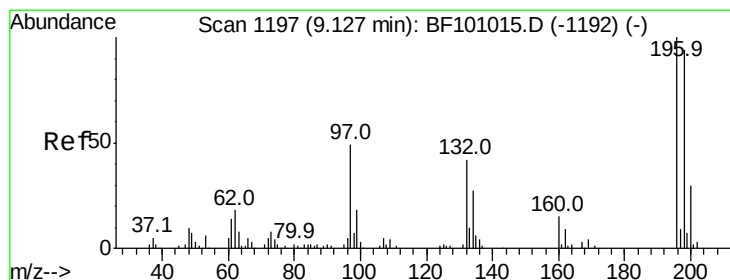
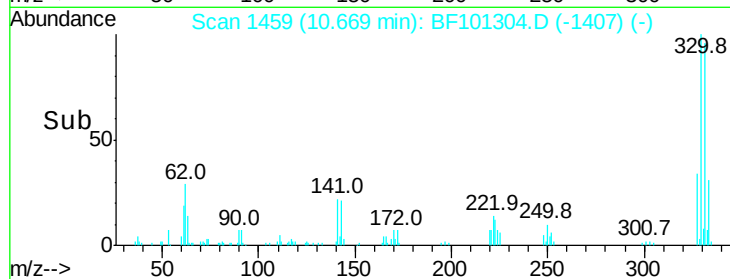
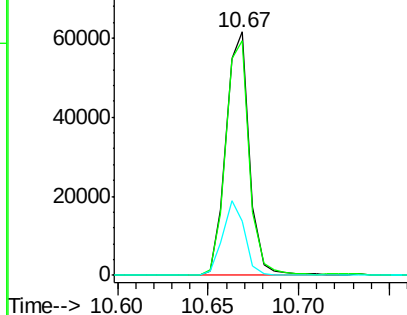
#41  
 2,4,6-Tribromophenol  
 Concen: 60.474 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 55485  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 77.0 115.6  
 141 28.4 29.9 44.9#

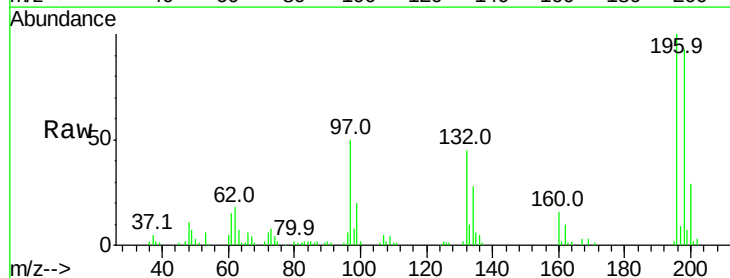


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

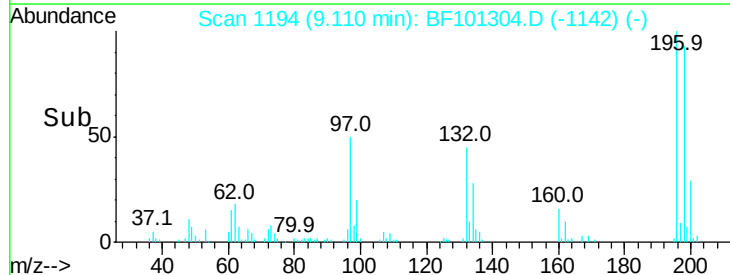
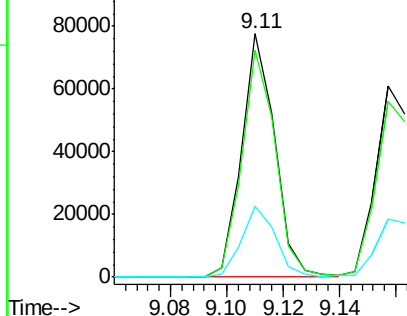


#42  
 2,4,6-Trichlorophenol  
 Concen: 38.994 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

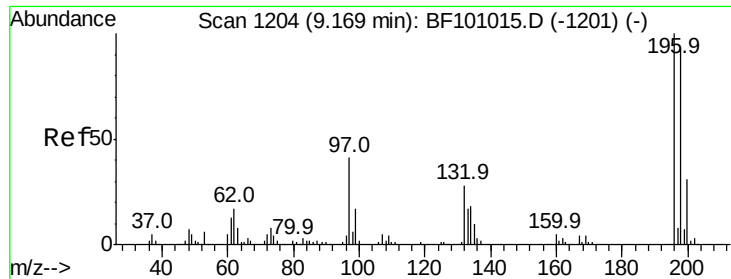
Tgt Ion:196 Resp: 63424  
 Ion Ratio Lower Upper  
 196 100  
 198 93.1 75.7 113.5  
 200 28.9 24.5 36.7



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



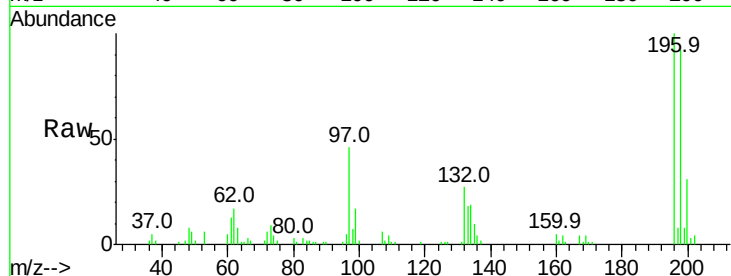




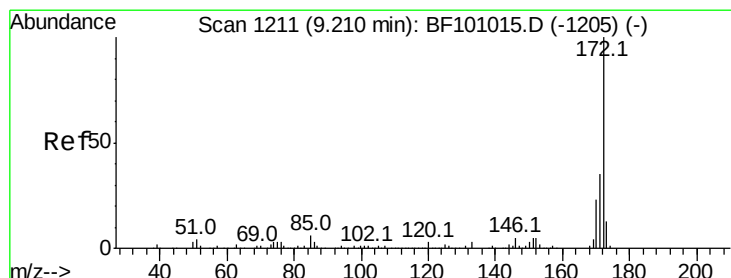
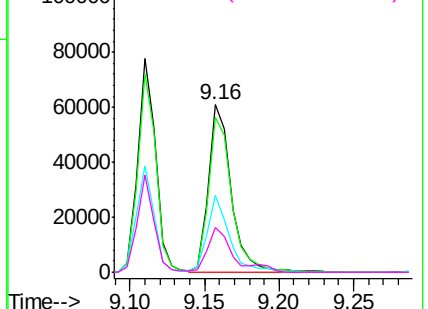
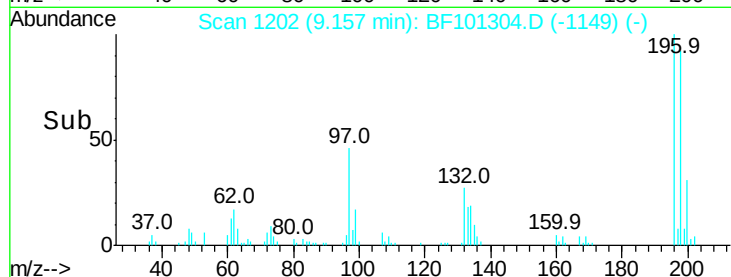
#43  
 2,4,5-Trichlorophenol  
 Concen: 37.229 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.4  | 74.6  | 112.0 |
| 97      | 45.8  | 42.9  | 64.3  |
| 132     | 27.0  | 26.3  | 39.5  |

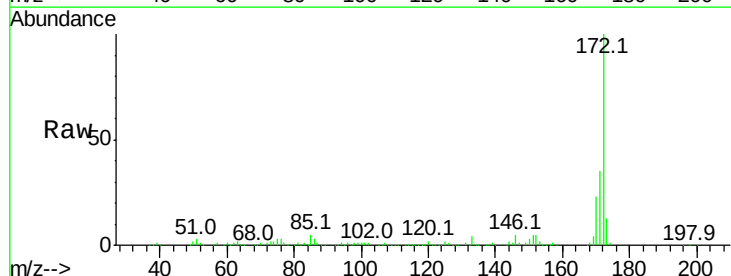


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

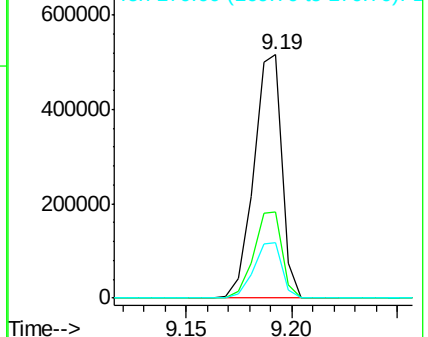
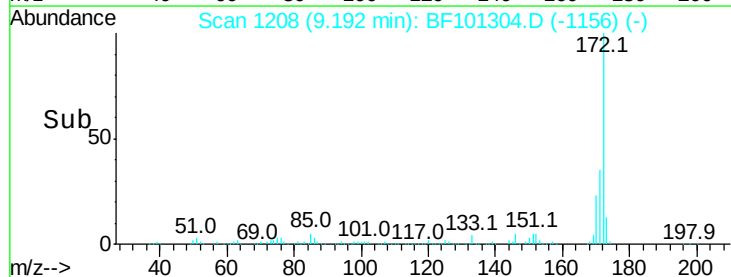


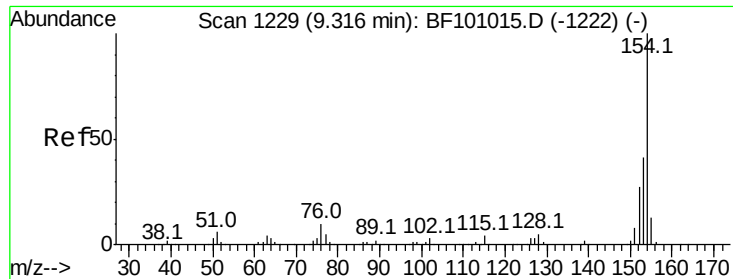
#44  
 2-Fluorobiphenyl  
 Concen: 85.524 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.7  | 44.5  |
| 170     | 23.0  | 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: 41.149 ng

RT: 9.29 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

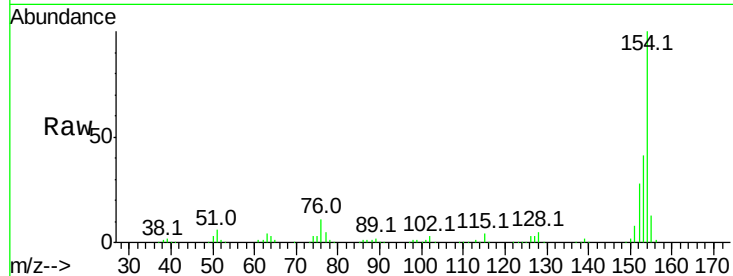
Tot Ion:154 Resp: 287949

Ion Ratio Lower Upper

154 100

153 40.9 21.3 61.3

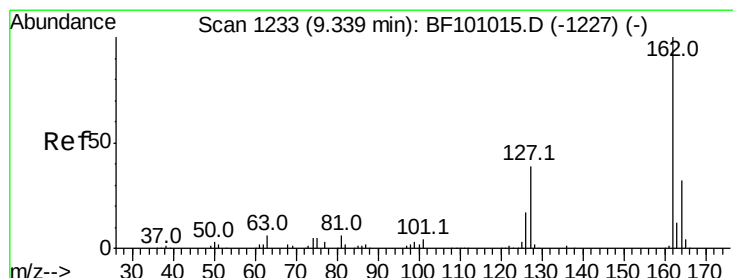
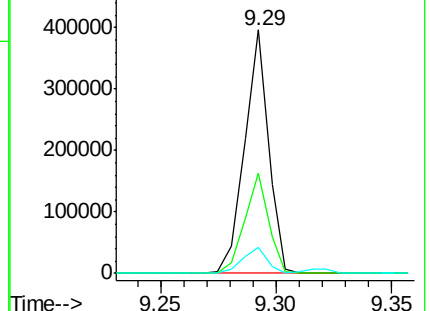
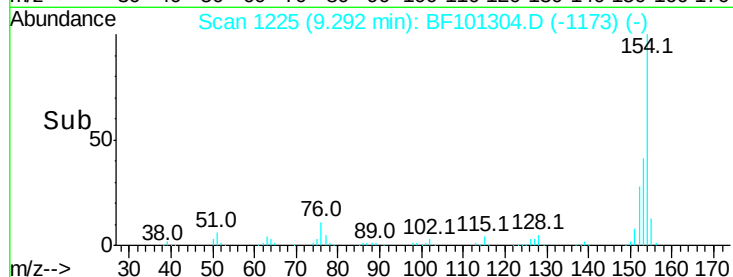
76 10.5 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 40.143 ng

RT: 9.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

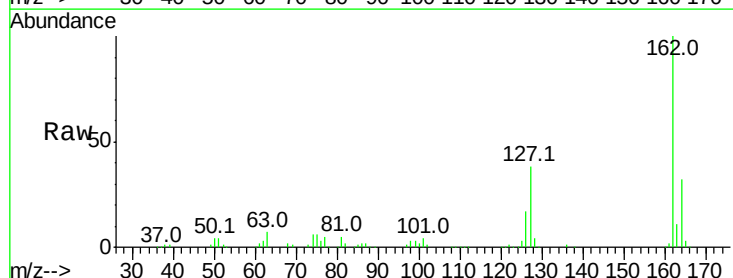
Tgt Ion:162 Resp: 199493

Ion Ratio Lower Upper

162 100

127 37.7 33.9 50.9

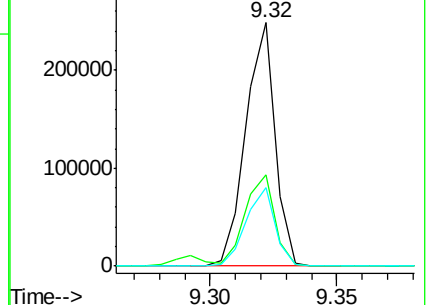
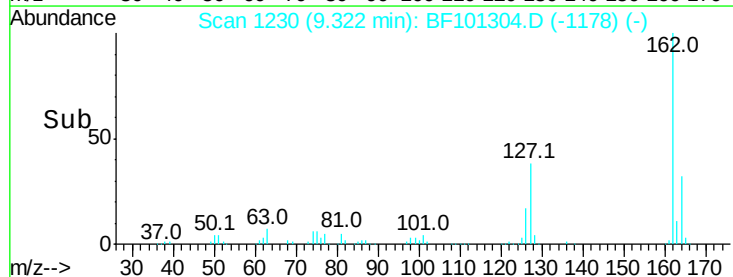
164 32.1 26.5 39.7

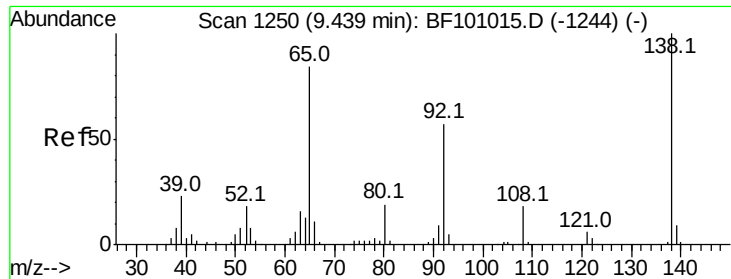


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

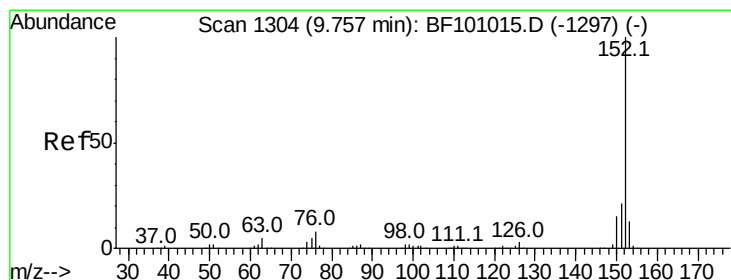
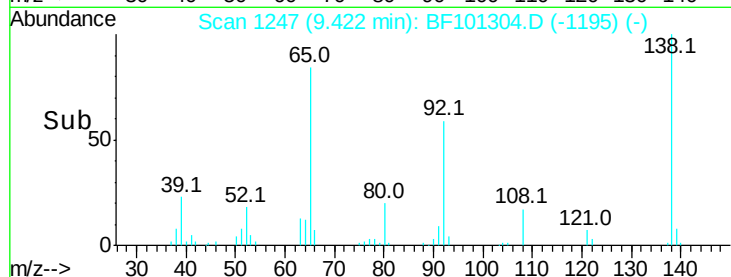
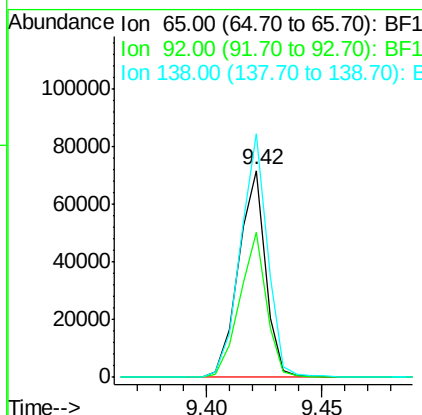
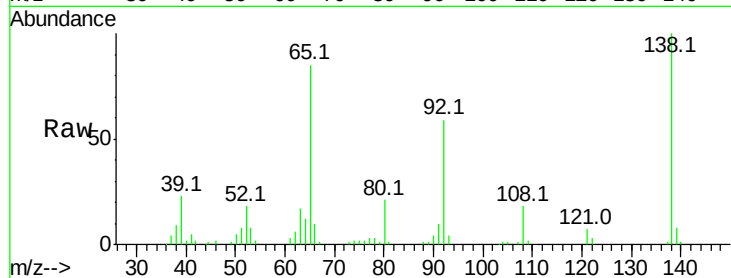




#47  
 2-Nitroaniline  
 Concen: 40.086 ng  
 RT: 9.42 min Scan# 1247  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

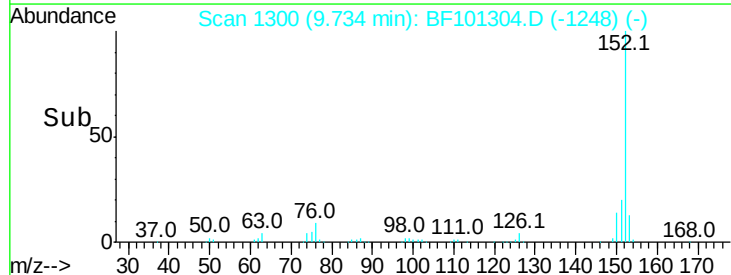
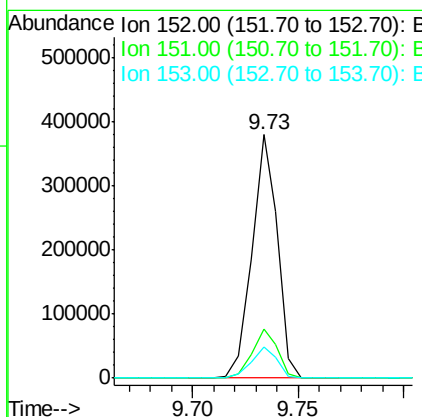
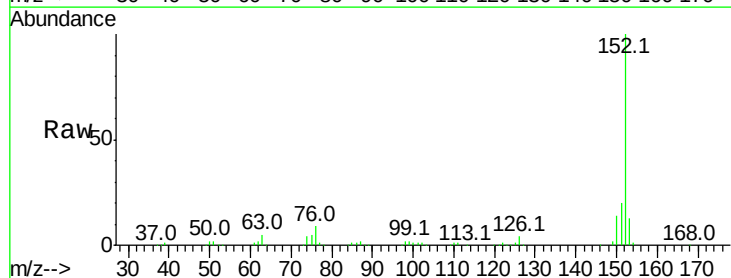
Instrument :  
 BNA\_F  
 ClientSampleId :

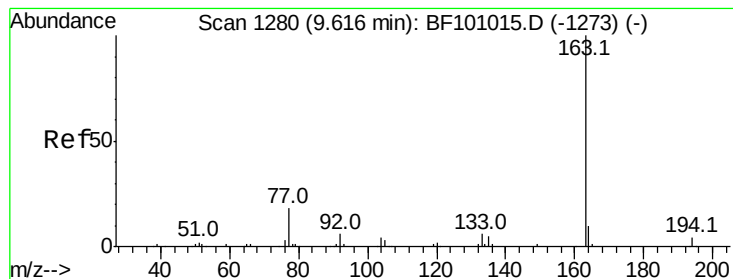
Tot Ion: 65 Resp: 58940  
 Ion Ratio Lower Upper  
 65 100  
 92 70.1 55.8 83.6  
 138 117.9 91.2 136.8



#48  
 Acenaphthylene  
 Concen: 38.658 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:152 Resp: 315720  
 Ion Ratio Lower Upper  
 152 100  
 151 20.1 16.3 24.5  
 153 12.9 10.7 16.1





#49

Dimethylphthalate

Concen: 40.016 ng

RT: 9.59 min Scan# 1275

Delta R.T. 0.00 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

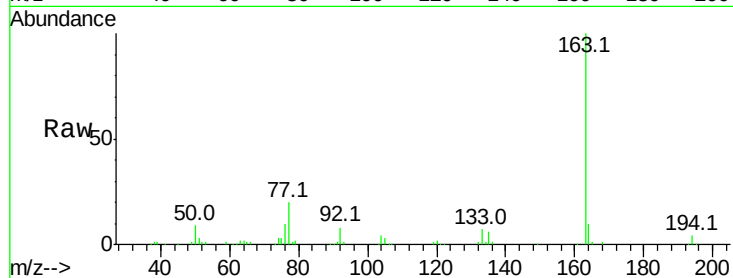
Tot Ion:163 Resp: 246481

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

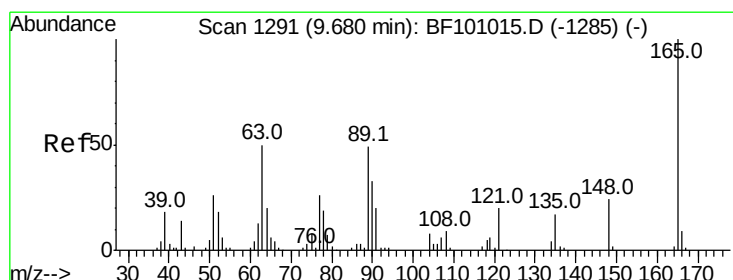
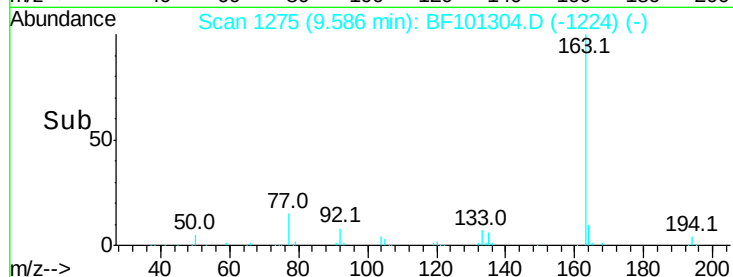
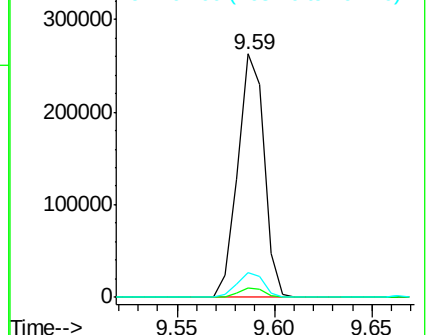
164 10.0 8.2 12.2



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: 35.978 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

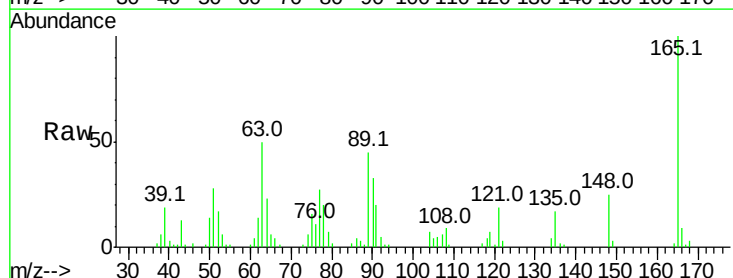
Tgt Ion:165 Resp: 46676

Ion Ratio Lower Upper

165 100

63 50.1 44.7 67.1

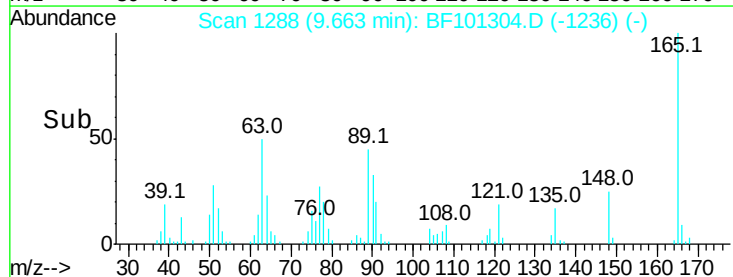
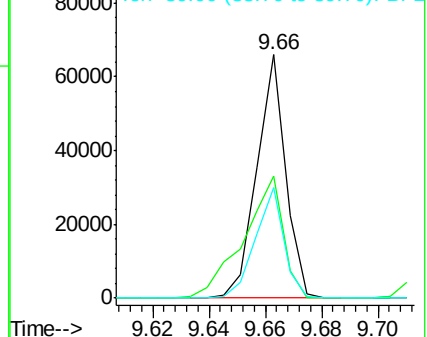
89 45.3 44.0 66.0

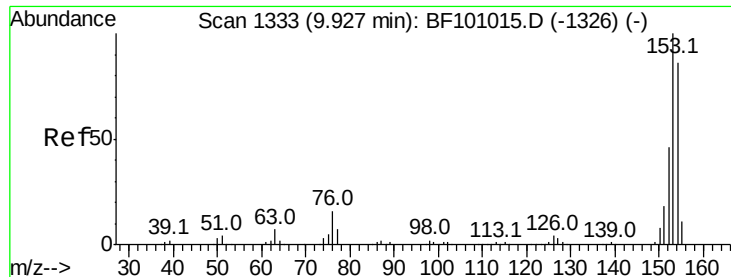


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 38.057 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

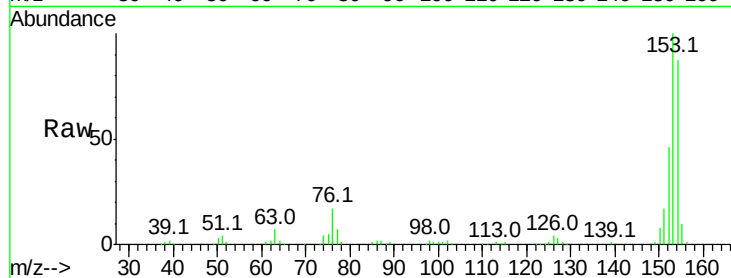
Tot Ion:154 Resp: 186110

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

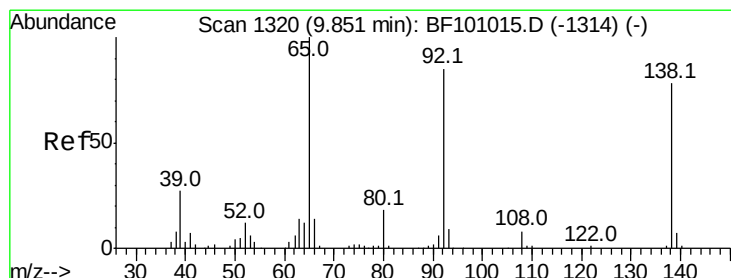
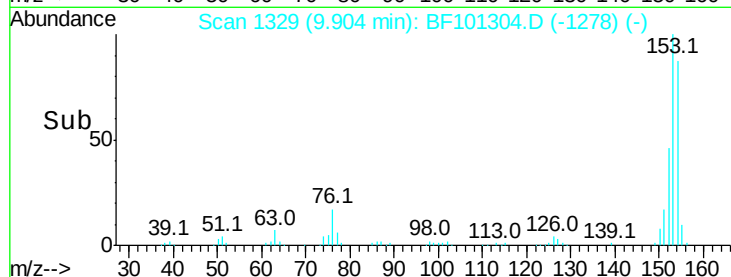
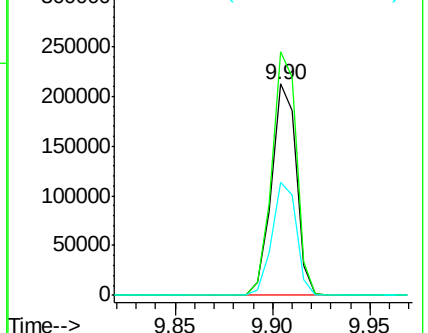
152 53.6 43.8 65.8



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: 38.479 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

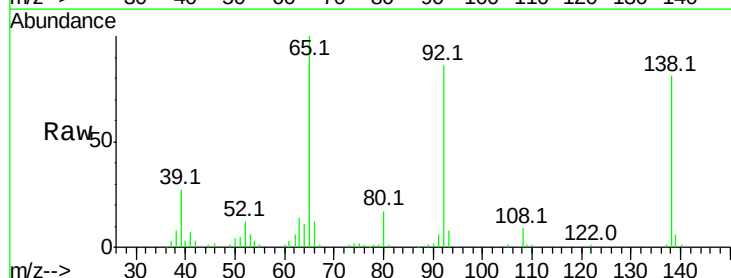
Tgt Ion:138 Resp: 56140

Ion Ratio Lower Upper

138 100

108 11.0 9.4 14.0

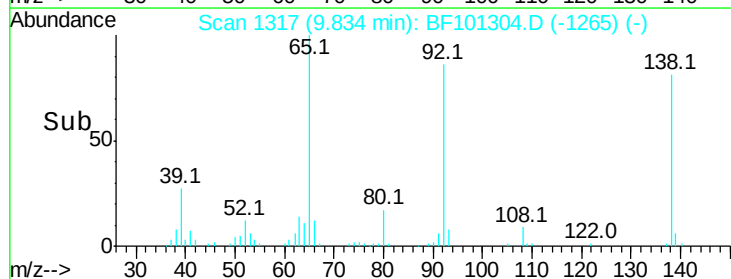
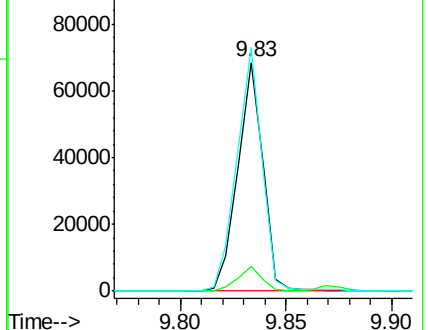
92 106.5 89.4 134.2

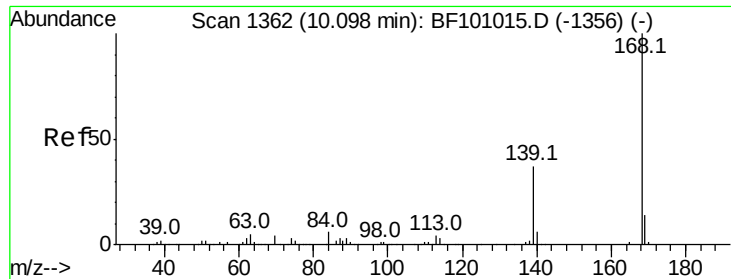


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzenofuran

Concen: 37.297 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

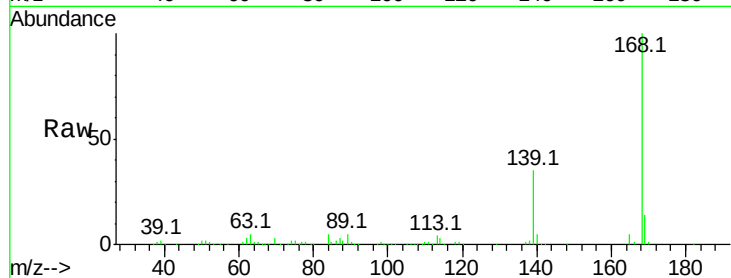
Tot Ion:168 Resp: 262850

Ion Ratio Lower Upper

168 100

139 35.4 30.1 45.1

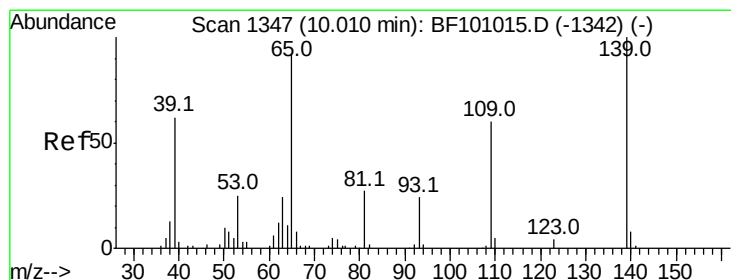
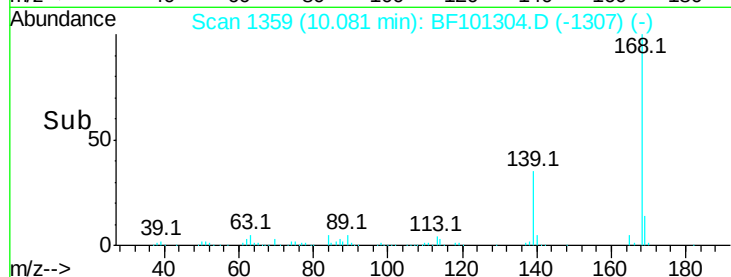
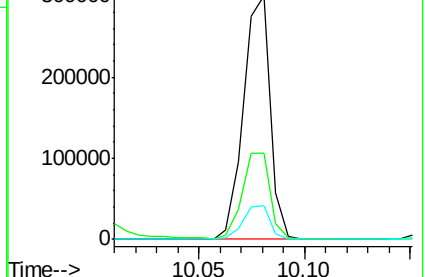
169 13.9 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 31.062 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

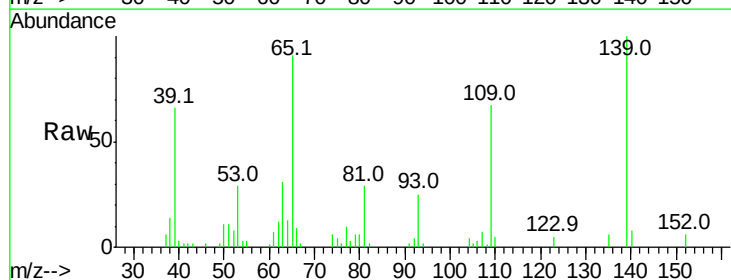
Tgt Ion:139 Resp: 30563

Ion Ratio Lower Upper

139 100

109 66.5 48.4 88.4

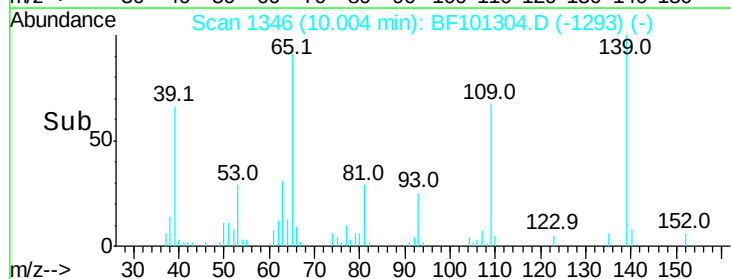
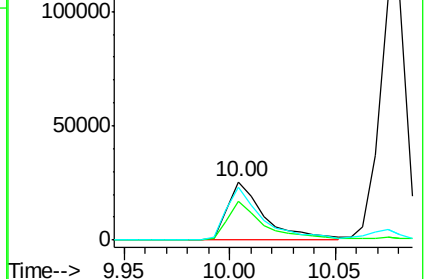
65 90.9 72.6 112.6

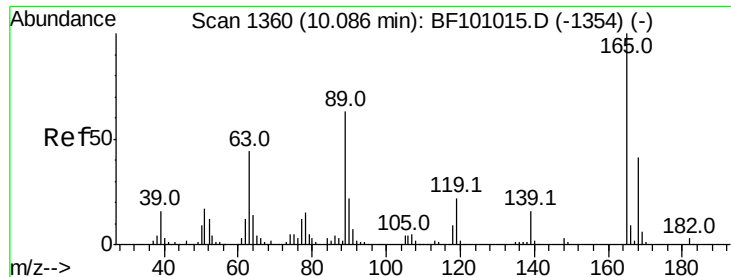


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

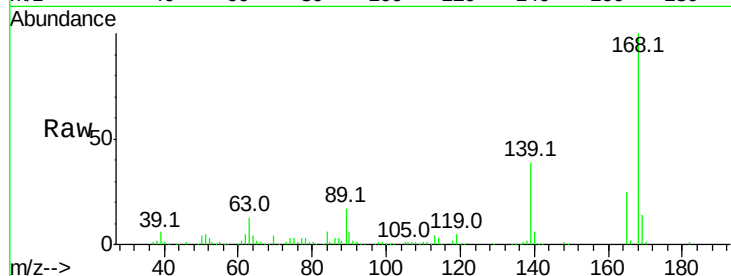




#56  
2,4-Dinitrotoluene  
Concen: 31.153 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 54.7  | 36.4  | 54.6# |
| 89      | 68.7  | 57.8  | 86.6  |
| 182     | 2.6   | 1.6   | 2.4#  |



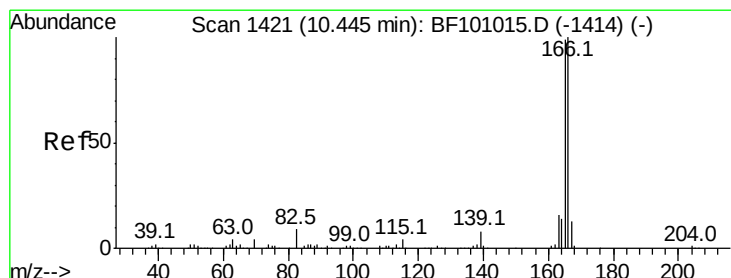
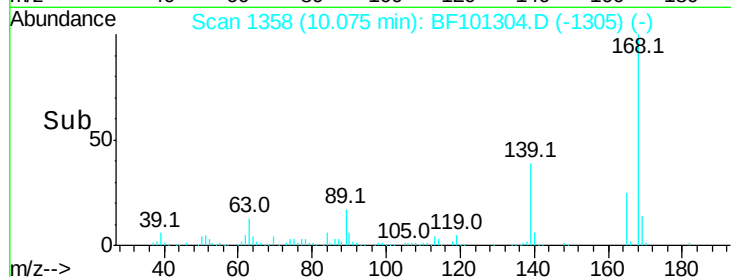
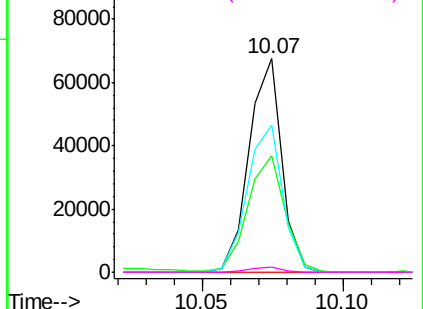
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

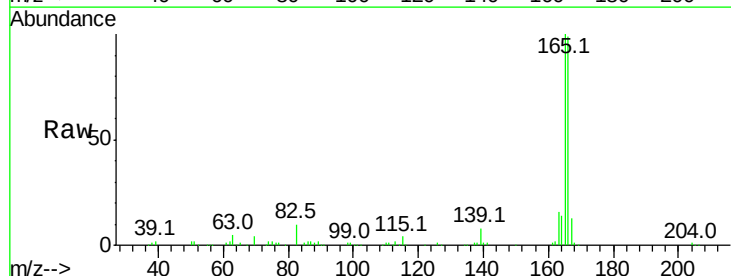
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57  
Fluorene  
Concen: 36.018 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 101.2 | 79.8  | 119.8 |
| 167     | 12.8  | 10.6  | 16.0  |

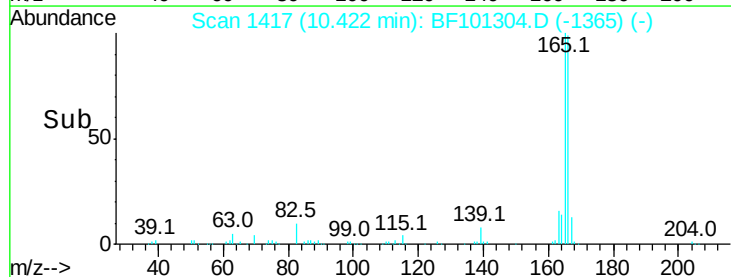
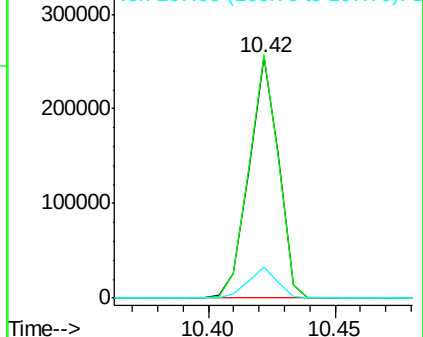


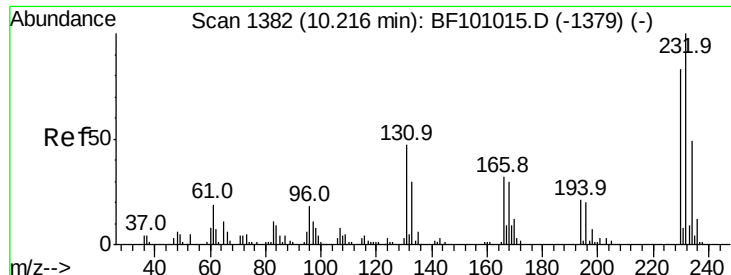
Abundance

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

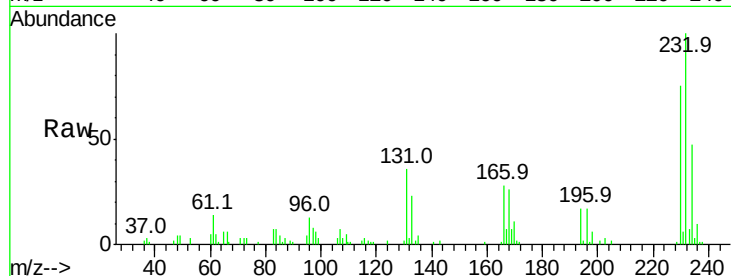




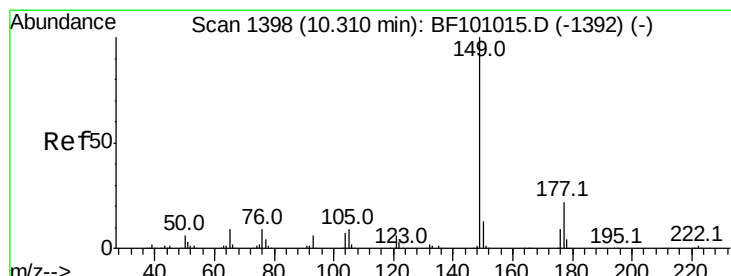
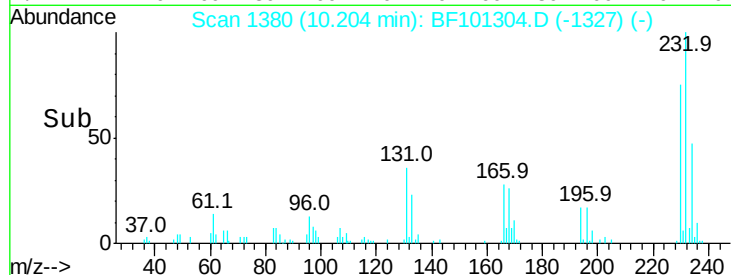
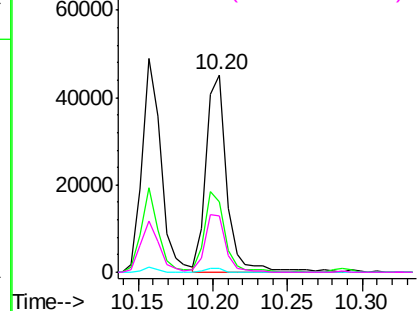
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 31.362 ng  
 RT: 10.20 min Scan# 1380  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 39.9  | 43.8  | 65.8# |
| 130     | 1.6   | 2.1   | 3.1#  |
| 166     | 29.1  | 27.8  | 41.6  |

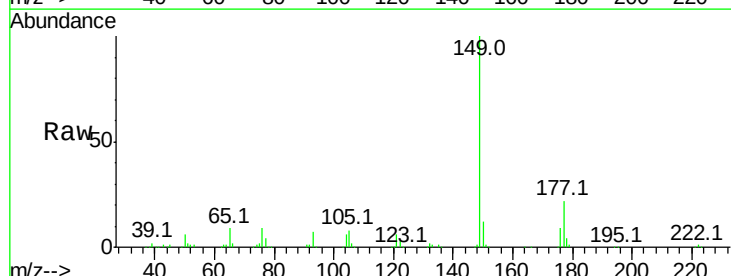


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

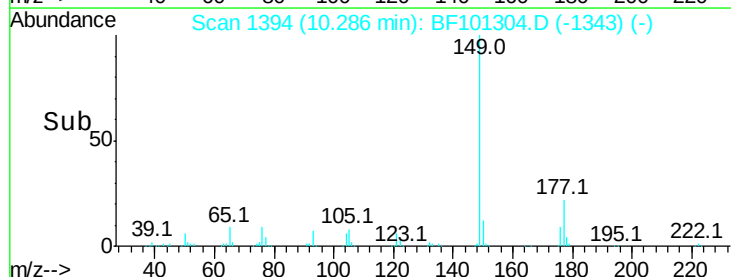
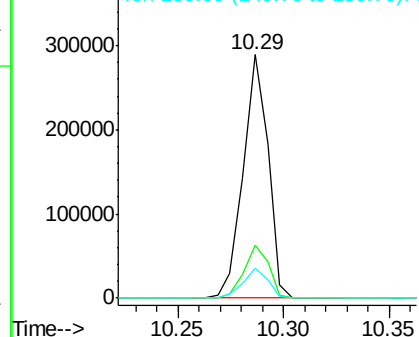


#59  
 Diethylphthalate  
 Concen: 38.548 ng  
 RT: 10.29 min Scan# 1394  
 Delta R.T. 0.00 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

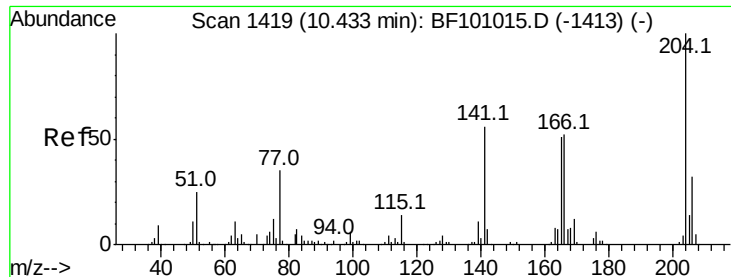
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.7  | 16.1  | 24.1  |
| 150     | 12.3  | 10.1  | 15.1  |



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



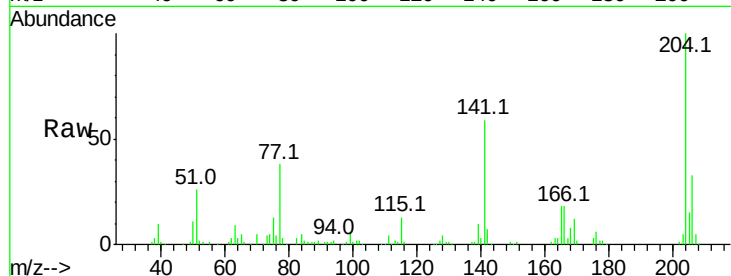




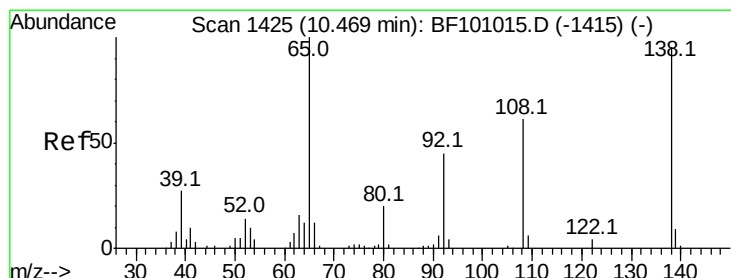
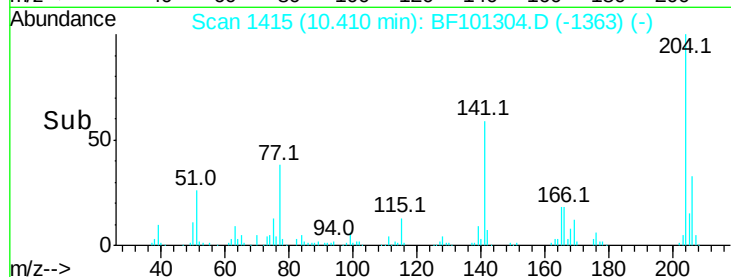
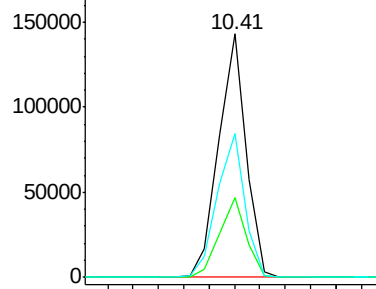
#60  
 4-Chlorophenyl-phenylether  
 Concen: 38.139 ng  
 RT: 10.41 min Scan# 1415  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:204 Resp: 107882  
 Ion Ratio Lower Upper  
 204 100  
 206 32.8 26.5 39.7  
 141 59.0 54.6 81.8

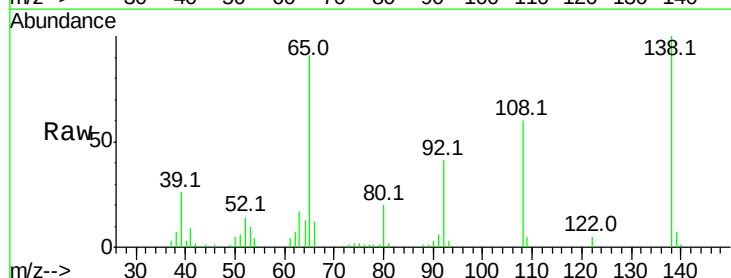


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

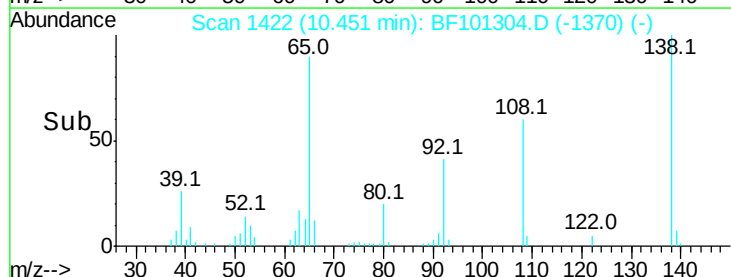
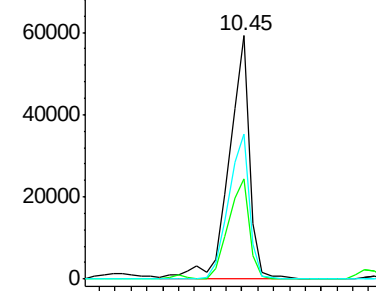


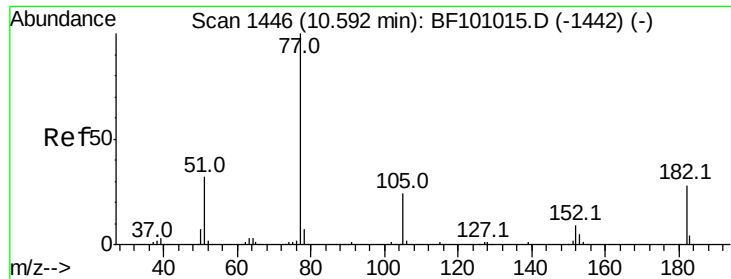
#61  
 4-Nitroaniline  
 Concen: 35.340 ng  
 RT: 10.45 min Scan# 1422  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:138 Resp: 53521  
 Ion Ratio Lower Upper  
 138 100  
 92 41.3 30.2 70.2  
 108 59.7 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: 35.121 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 181082

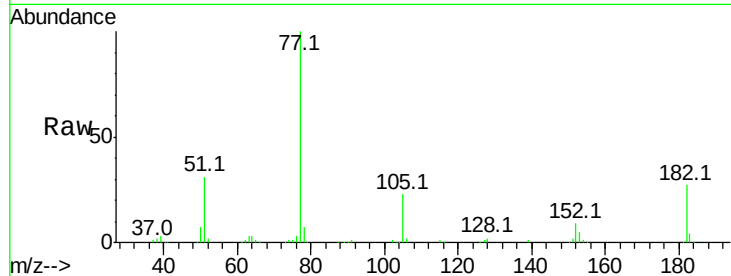
Ion Ratio Lower Upper

77 100

182 27.1 1.7 41.7

105 23.5 3.0 43.0

51 31.2 9.9 49.9

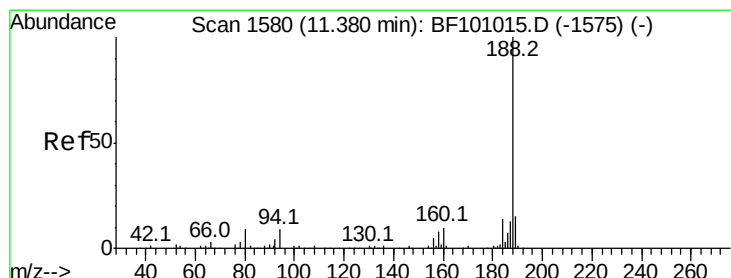
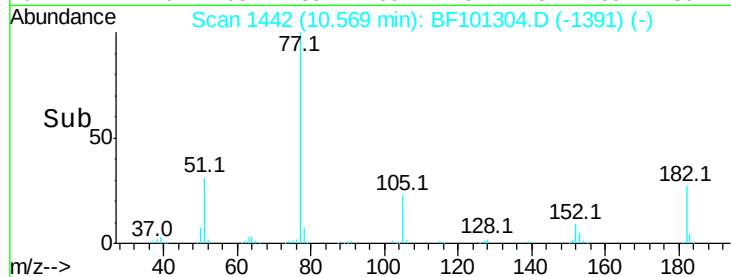
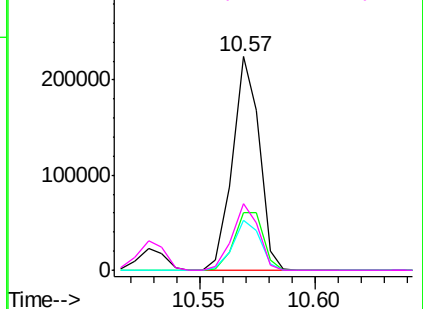


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.36 min Scan# 1577

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

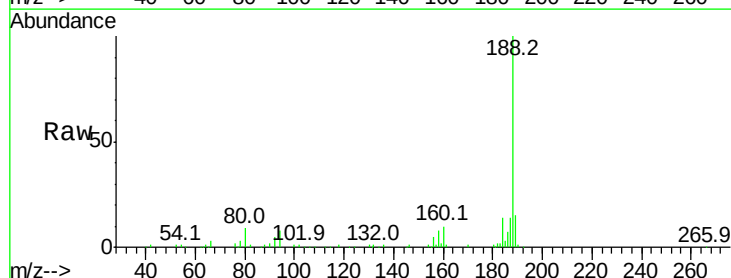
Tgt Ion: 188 Resp: 123920

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

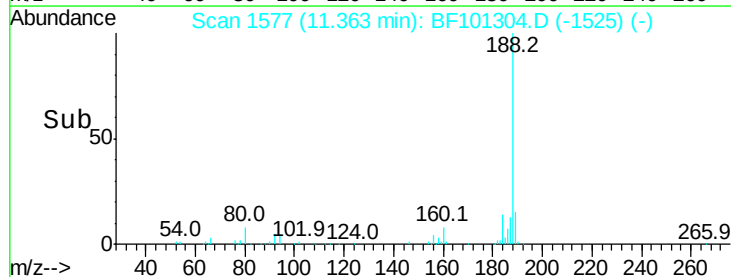
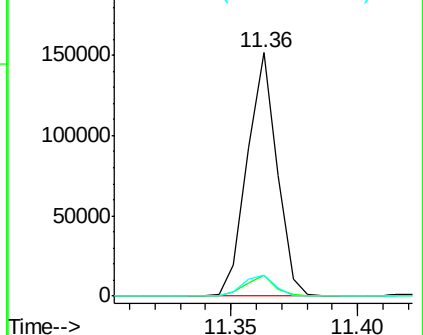
80 8.7 9.2 13.8#

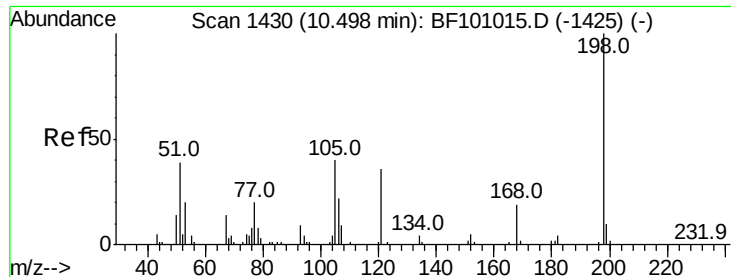


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

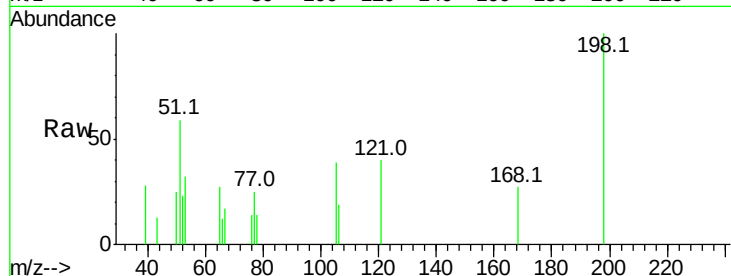




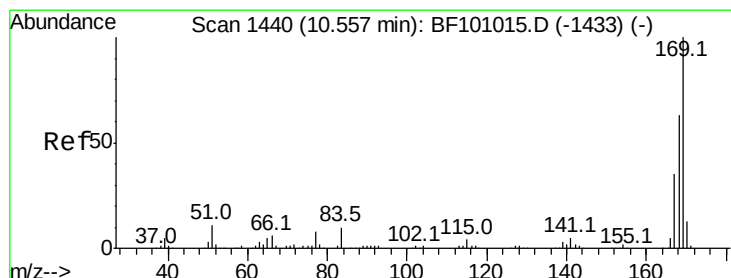
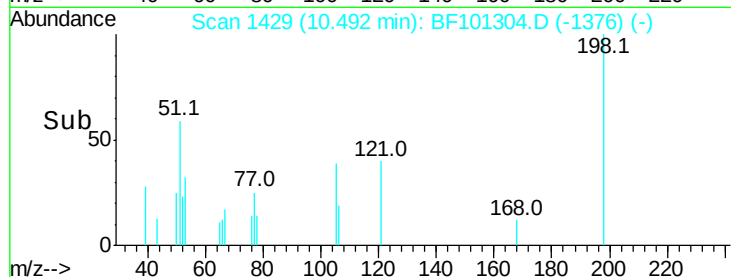
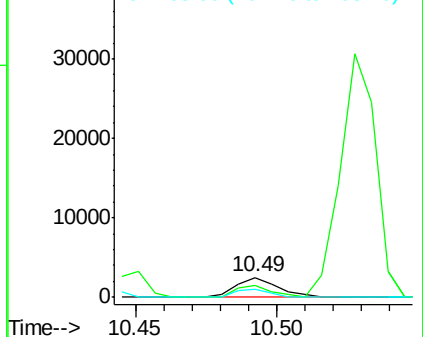
#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.078 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:198 Resp: 2558  
Ion Ratio Lower Upper  
198 100  
51 58.6 37.7 77.7  
105 38.9 36.3 76.3

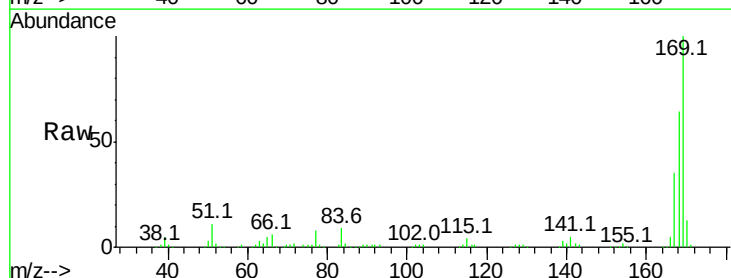


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

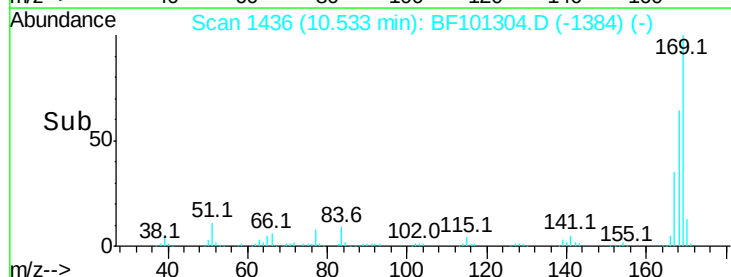
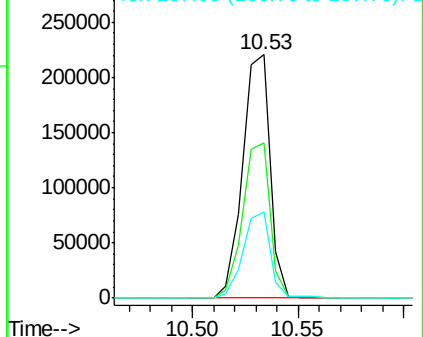


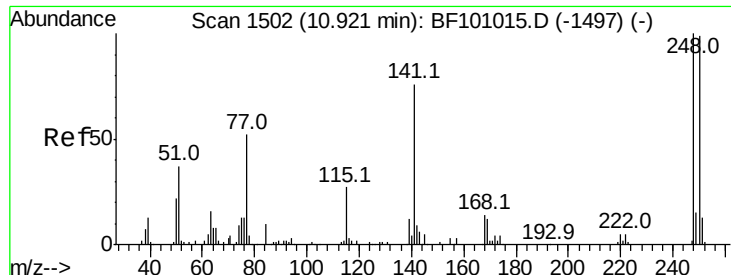
#65  
n-Nitrosodiphenylamine  
Concen: 45.453 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion:169 Resp: 198708  
Ion Ratio Lower Upper  
169 100  
168 63.9 54.4 81.6  
167 35.5 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

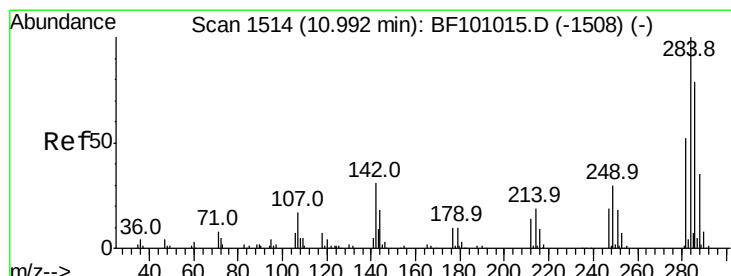
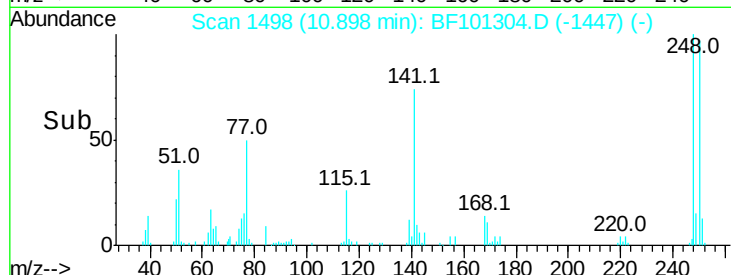
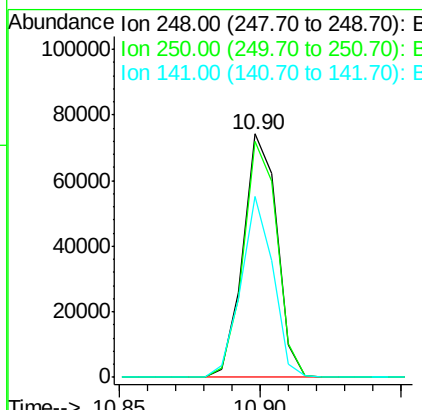
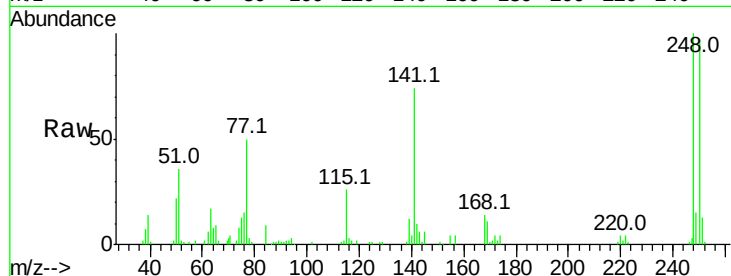




#66  
 4-Bromophenyl-phenylether  
 Concen: 44.613 ng  
 RT: 10.90 min Scan# 1498  
 Delta R.T. 0.00 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

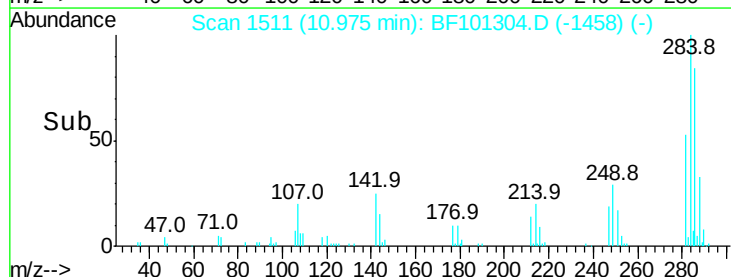
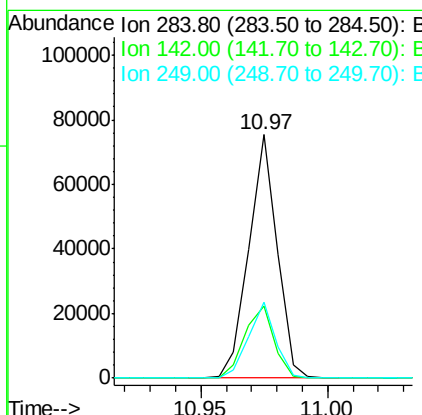
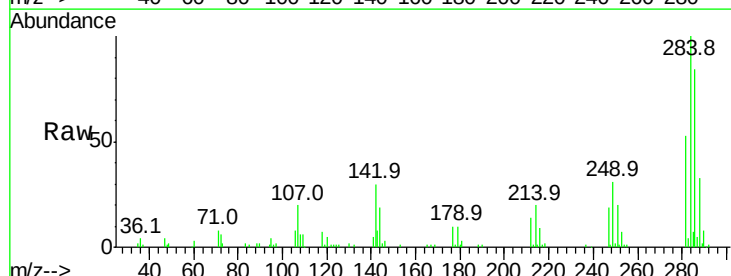
Instrument :  
 BNA\_F  
 ClientSampled :

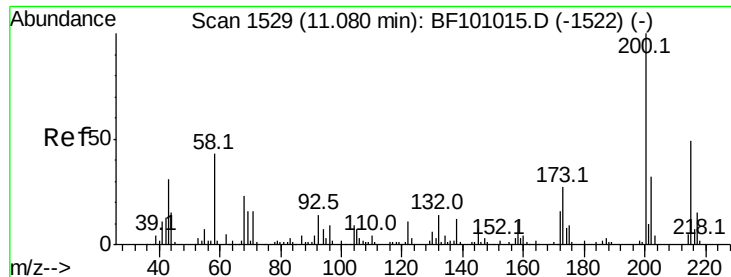
Tot Ion:248 Resp: 61882  
 Ion Ratio Lower Upper  
 248 100  
 250 96.9 76.9 115.3  
 141 74.1 74.4 111.6#



#67  
 Hexachlorobenzene  
 Concen: 39.576 ng  
 RT: 10.97 min Scan# 1511  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:284 Resp: 58834  
 Ion Ratio Lower Upper  
 284 100  
 142 29.8 34.6 52.0#  
 249 31.0 24.8 37.2

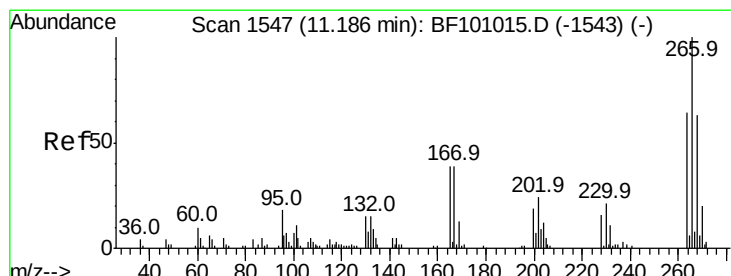
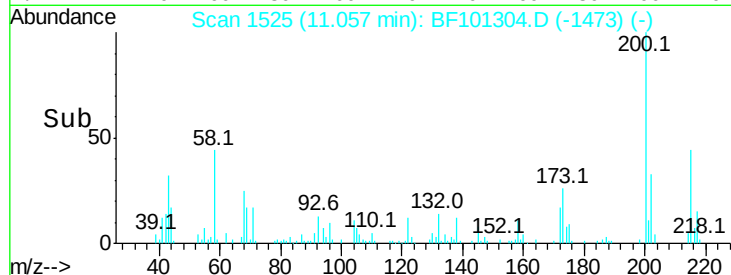
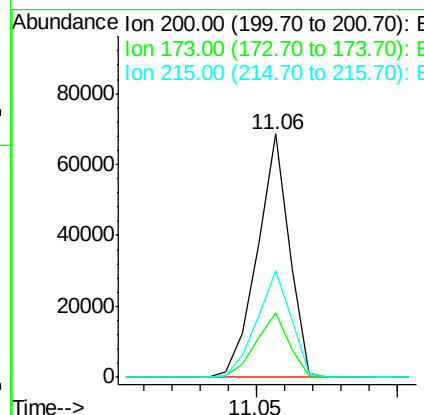
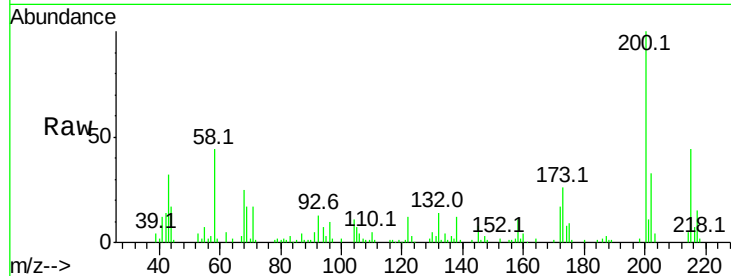




#68  
 Atrazine  
 Concen: 40.167 ng  
 RT: 11.06 min Scan# 1525  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

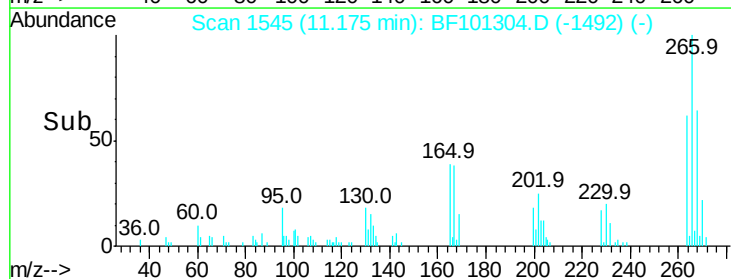
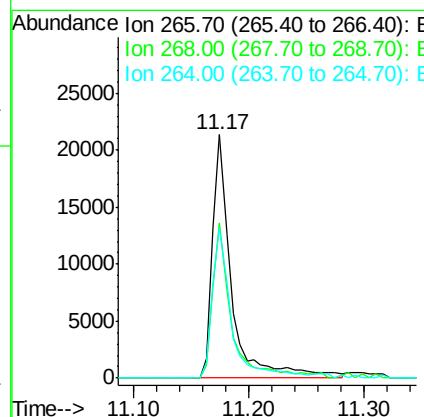
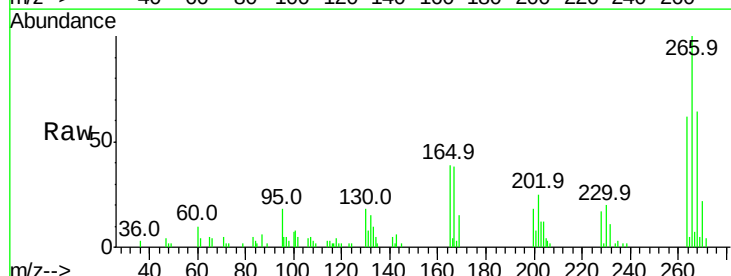
Instrument :  
 BNA\_F  
 ClientSampleId :

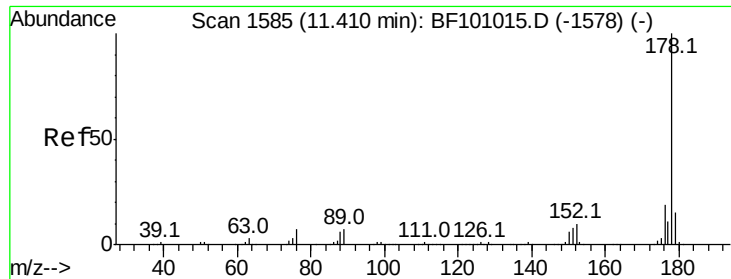
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.5  | 8.6   | 48.6  |
| 215     | 43.8  | 25.1  | 65.1  |



#69  
 Pentachlorophenol  
 Concen: 30.056 ng  
 RT: 11.17 min Scan# 1545  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.6  | 51.1  | 76.7  |
| 264     | 61.6  | 49.5  | 74.3  |





#70

Phenanthrene

Concen: 38.243 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

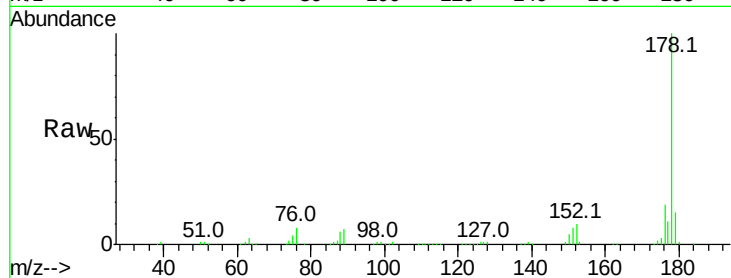
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:178 Resp: 260979

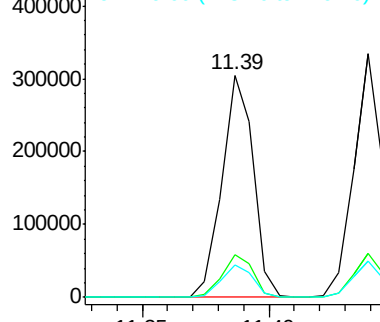
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.1  | 15.8  | 23.8  |
| 179 | 14.8  | 13.0  | 19.6  |



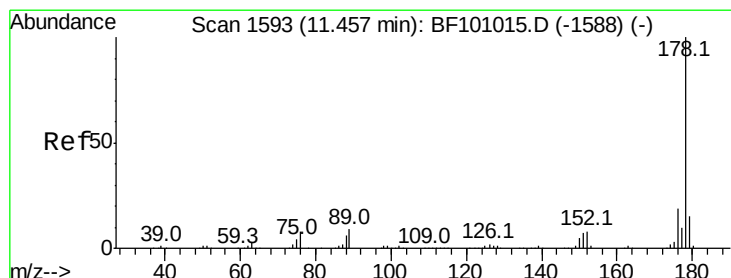
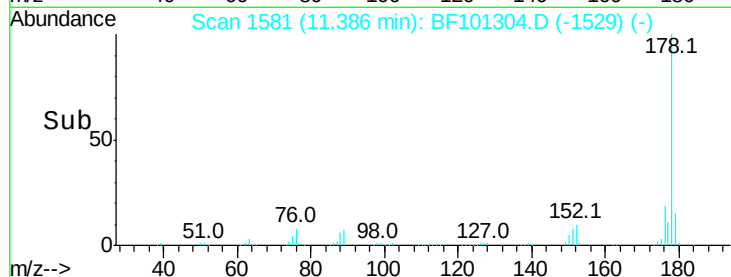
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 37.879 ng

RT: 11.44 min Scan# 1590

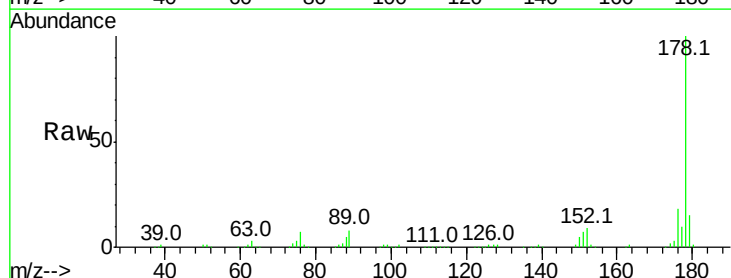
Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Tgt Ion:178 Resp: 261619

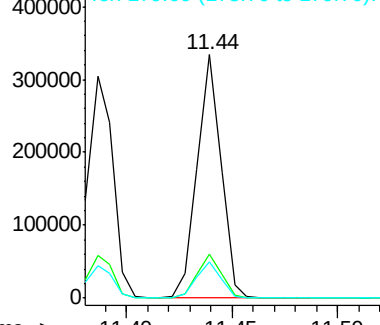
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 15.4  | 23.2  |
| 179 | 14.9  | 12.6  | 19.0  |



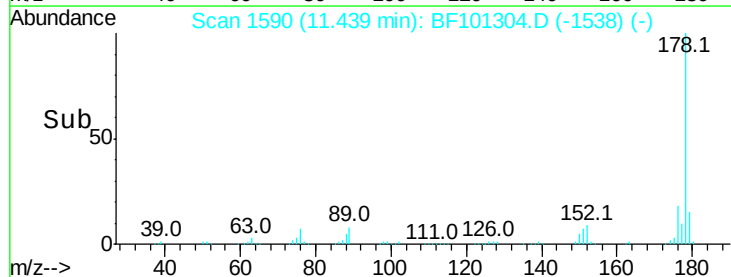
Abundance Ion 178.00 (177.70 to 178.70): E

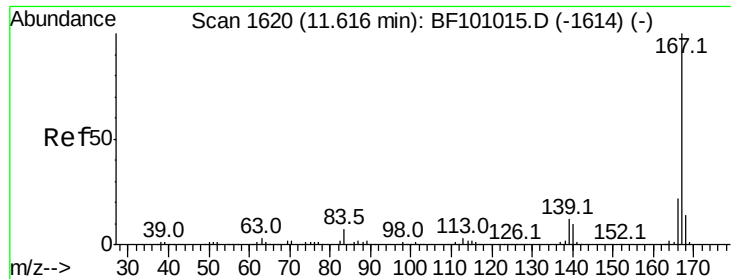
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

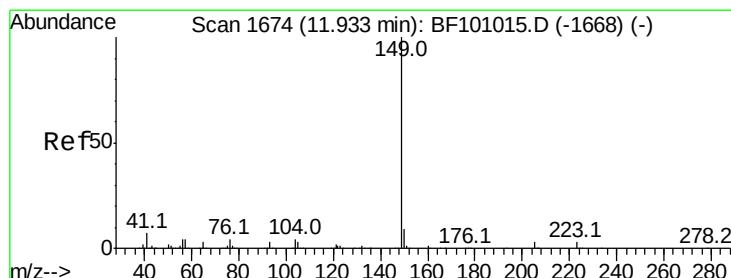
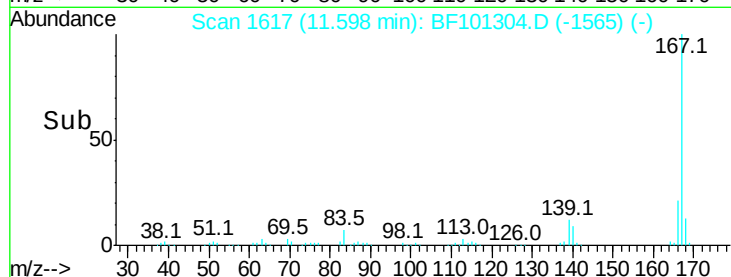
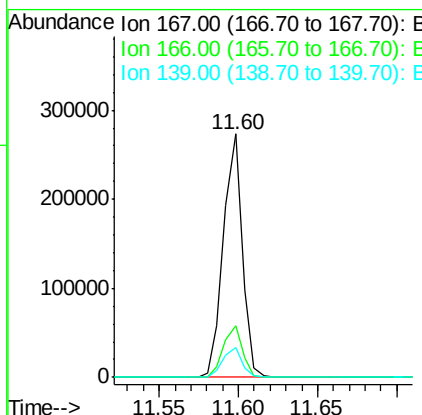
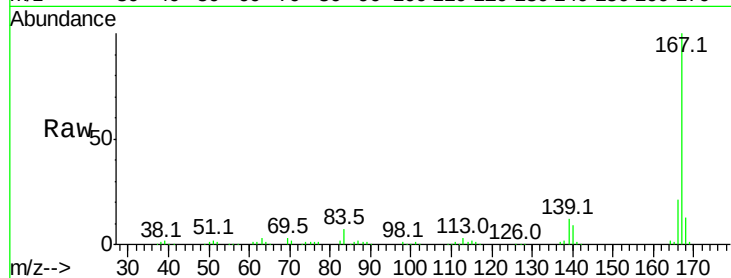




#72  
 Carbazole  
 Concen: 35.968 ng  
 RT: 11.60 min Scan# 1617  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

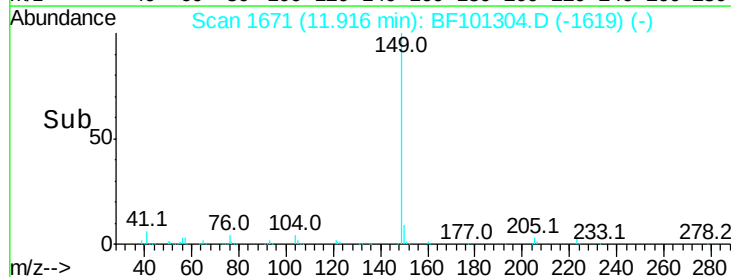
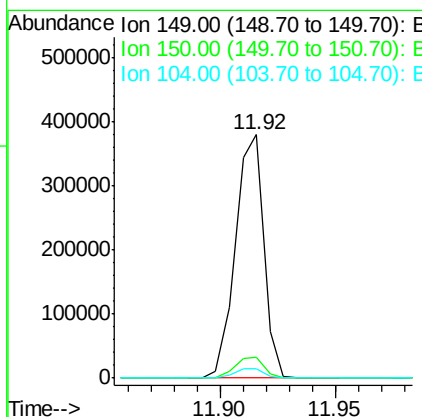
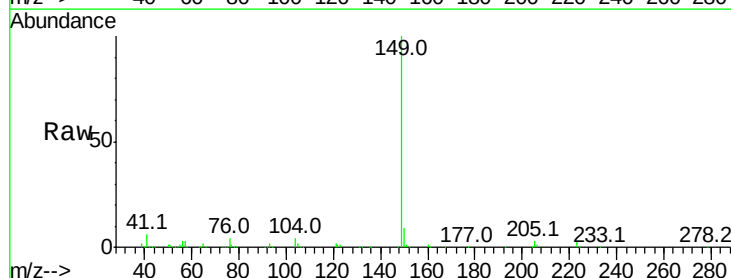
Instrument :  
 BNA\_F  
 ClientSampleId :

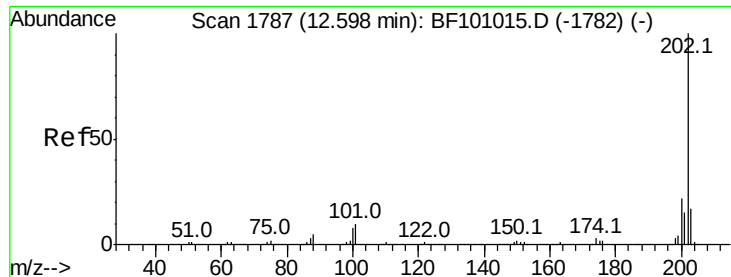
Tot Ion:167 Resp: 226978  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.6 26.4  
 139 12.1 10.9 16.3



#73  
 Di-n-butylphthalate  
 Concen: 41.138 ng  
 RT: 11.92 min Scan# 1671  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:149 Resp: 325388  
 Ion Ratio Lower Upper  
 149 100  
 150 8.6 7.8 11.6  
 104 3.9 3.8 5.8

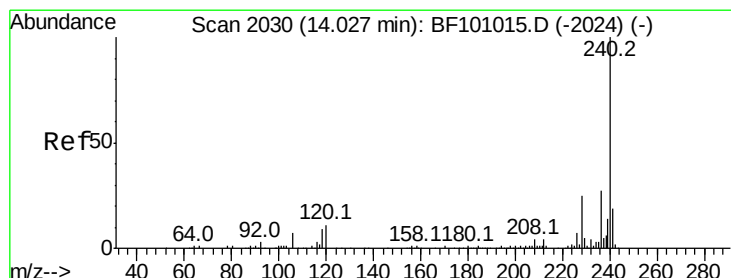
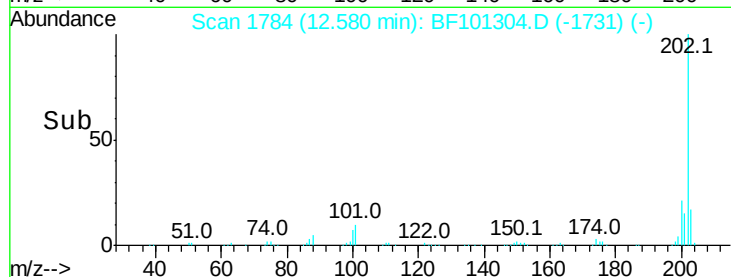
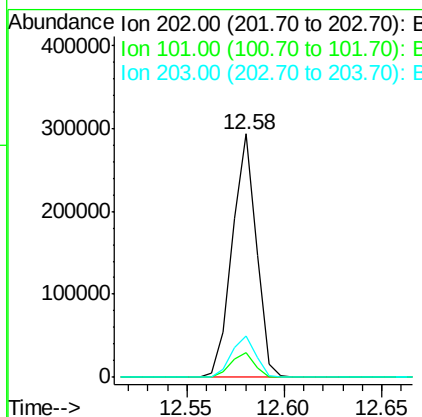
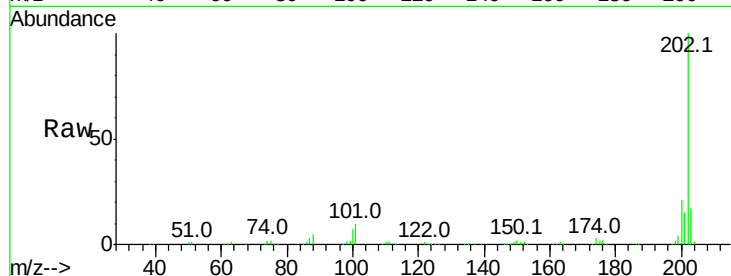




#74  
 Fluoranthene  
 Concen: 33.111 ng  
 RT: 12.58 min Scan# 1784  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

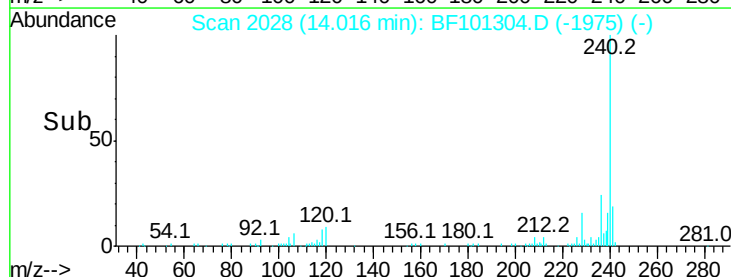
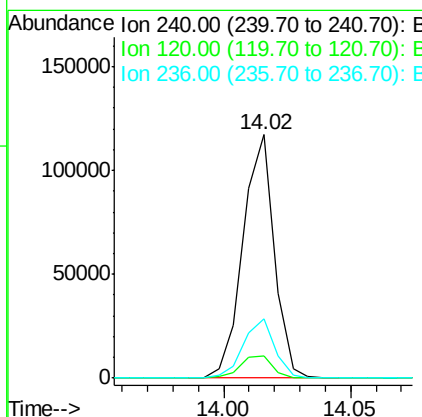
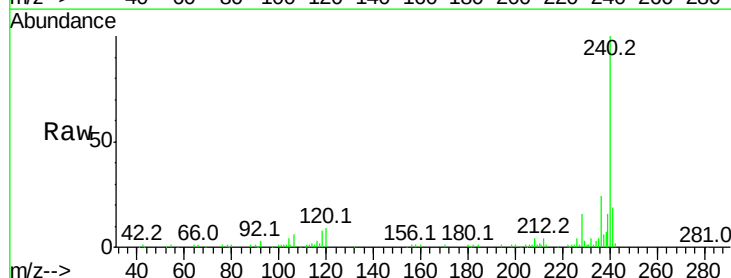
Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 250467 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.0  | 0.0   | 34.1   |
| 203      | 16.9  | 0.0   | 38.1   |

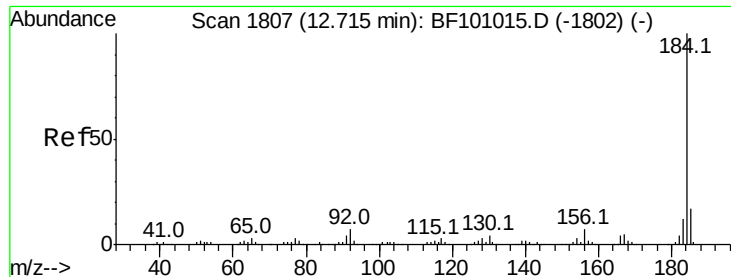


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 100555 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 8.9   | 9.5   | 14.3#  |
| 236      | 24.2  | 20.7  | 31.1   |







#76

Benzidine

Concen: 34.609 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

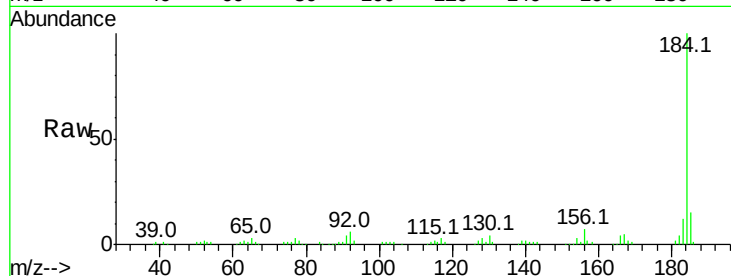
Tot Ion:184 Resp: 113168

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

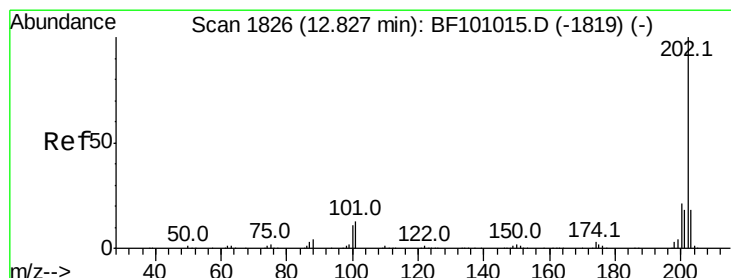
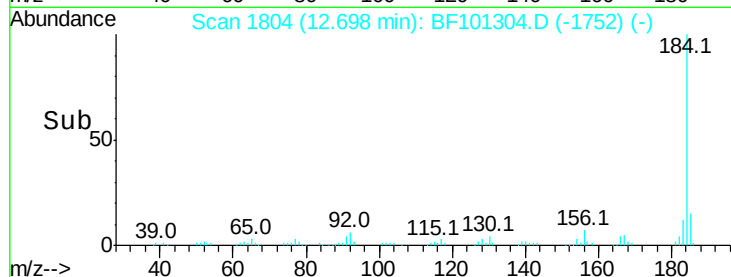
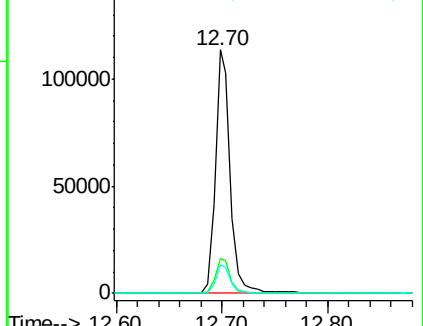
183 11.9 9.3 13.9



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

Pyrene

Concen: 36.838 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

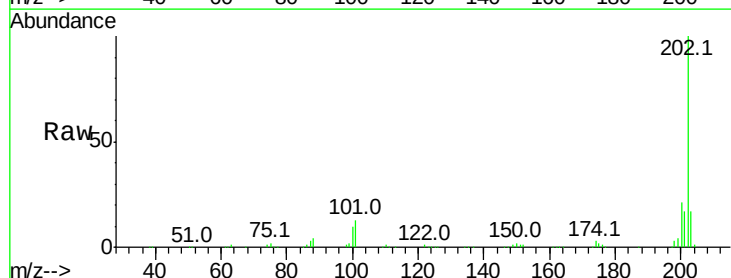
Tgt Ion:202 Resp: 255603

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

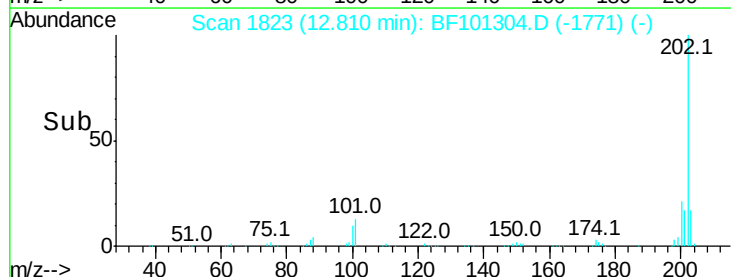
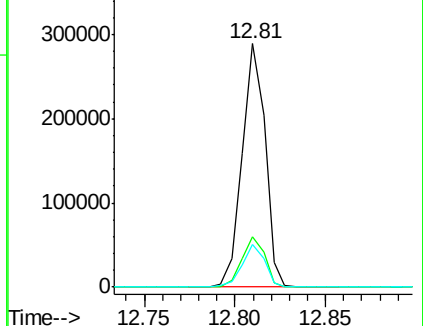
203 17.4 14.3 21.5

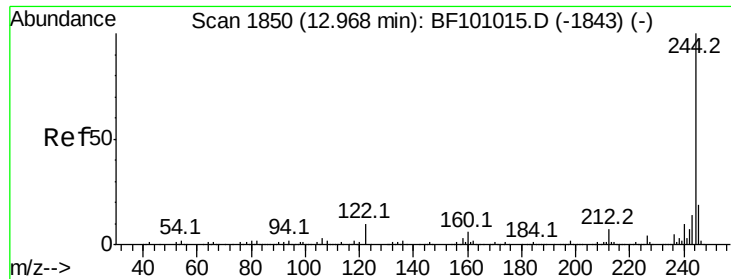


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

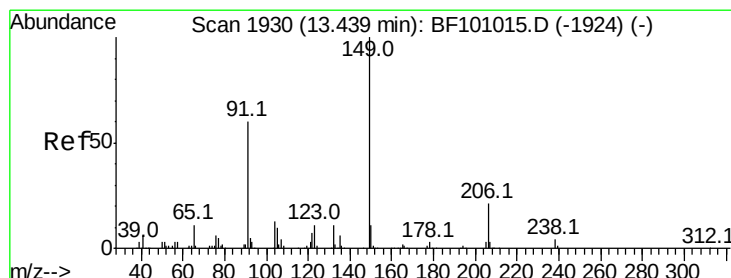
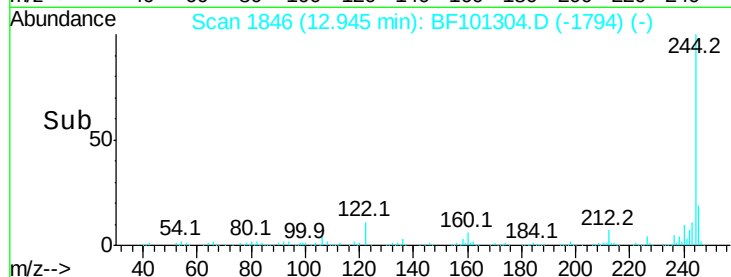
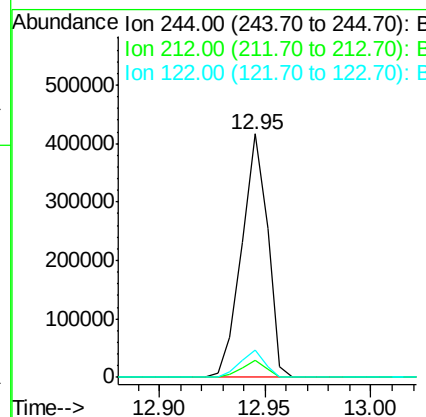
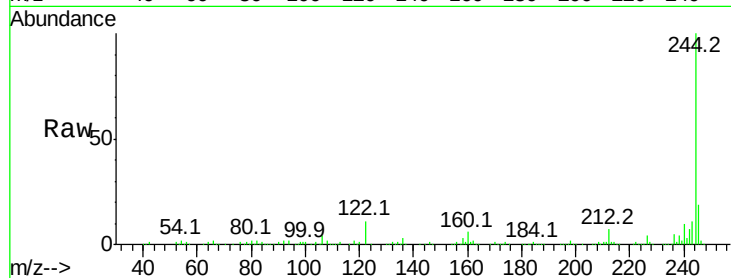




#78  
 Terphenyl-d14  
 Concen: 76.518 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

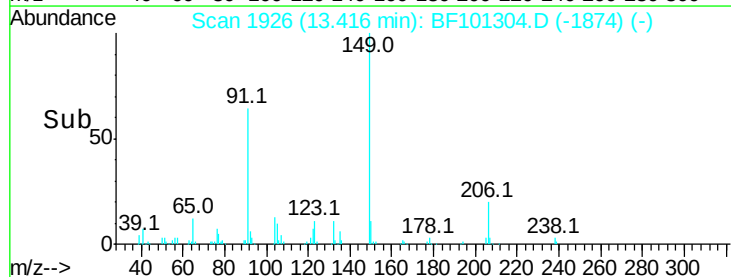
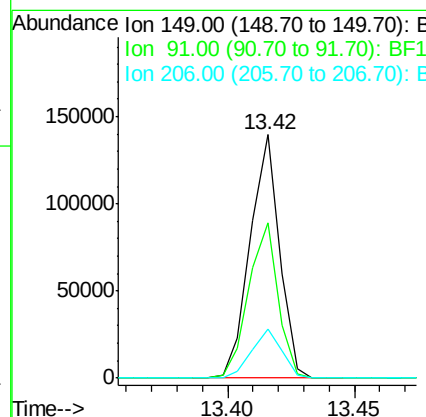
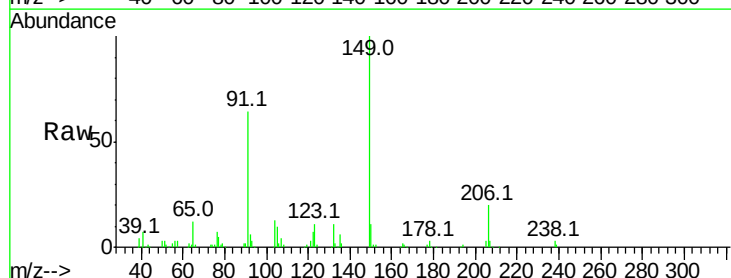
Instrument :  
 BNA\_F  
 ClientSampled :

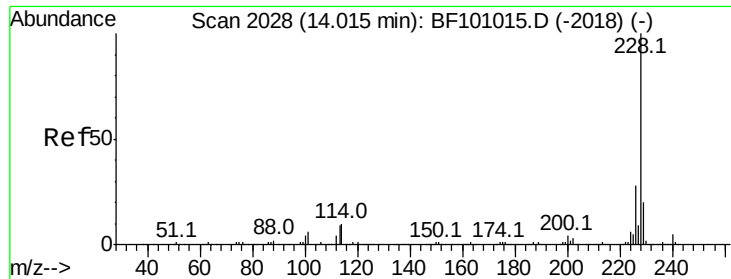
Tot Ion:244 Resp: 351775  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 11.1 11.0 16.4



#79  
 Butylbenzylphthalate  
 Concen: 36.985 ng  
 RT: 13.42 min Scan# 1926  
 Delta R.T. 0.01 min  
 Lab File: BF101304.D  
 Acq: 11 Dec 2017 23:10

Tgt Ion:149 Resp: 113143  
 Ion Ratio Lower Upper  
 149 100  
 91 63.5 56.8 85.2  
 206 20.3 14.1 21.1

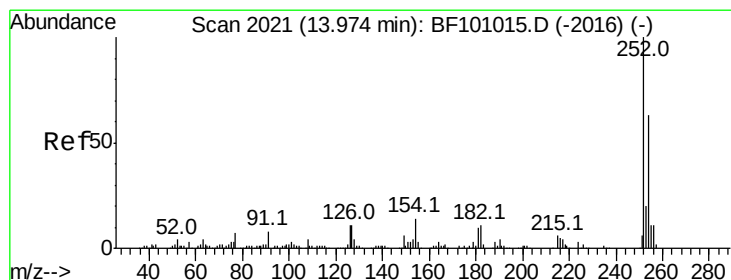
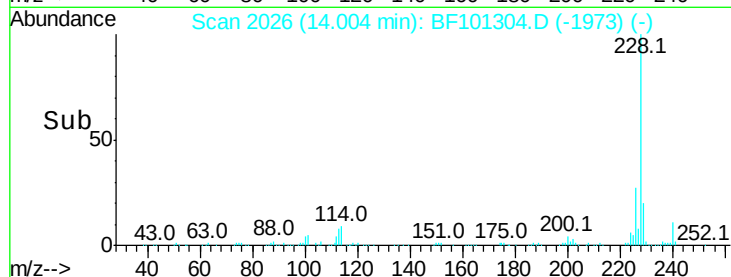
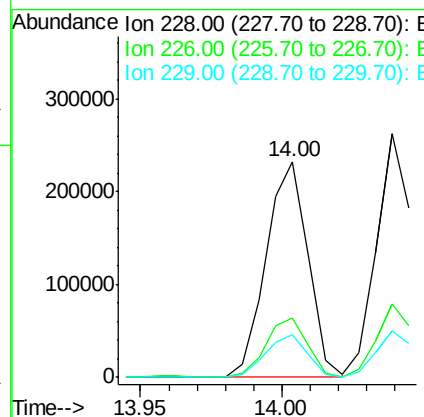
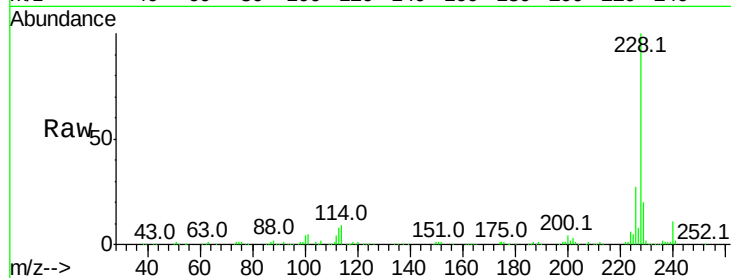




#80  
Benzo(a)anthracene  
Concen: 37.502 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

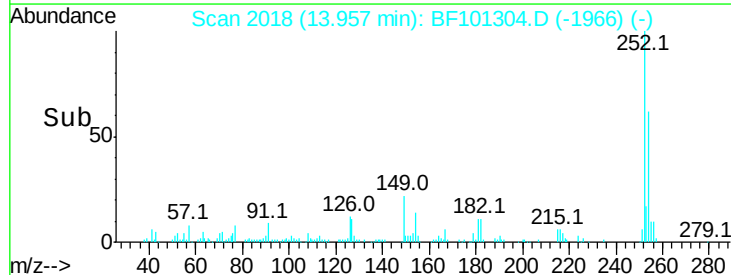
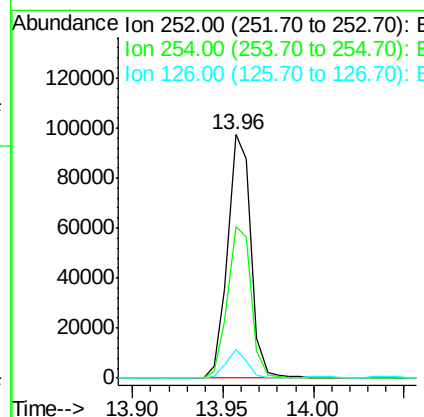
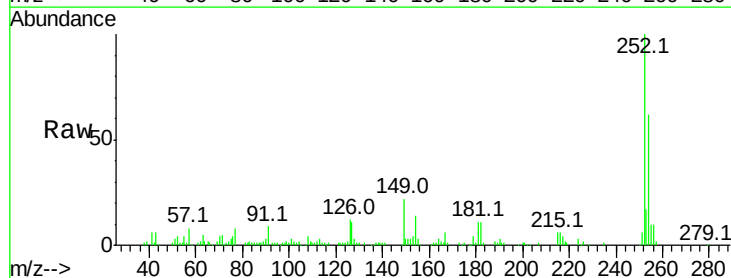
Instrument :  
BNA\_F  
ClientSampleId :

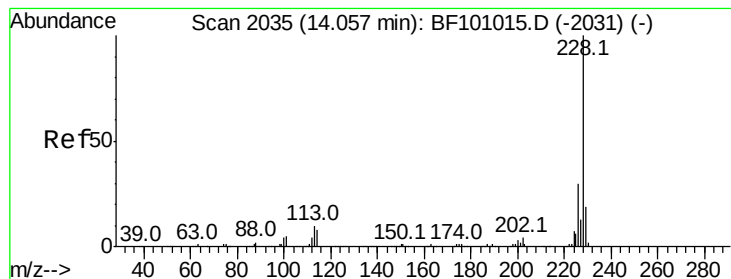
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 22.6  | 33.8  |
| 229     | 19.6  | 15.8  | 23.6  |



#81  
3,3'-Dichlorobenzidine  
Concen: 39.569 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.4  | 50.4  | 75.6  |
| 126     | 12.0  | 11.3  | 16.9  |





#82

Chrysene

Concen: 38.178 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

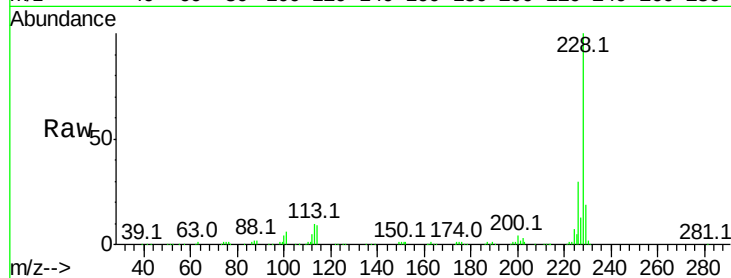
Tot Ion:228 Resp: 225112

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

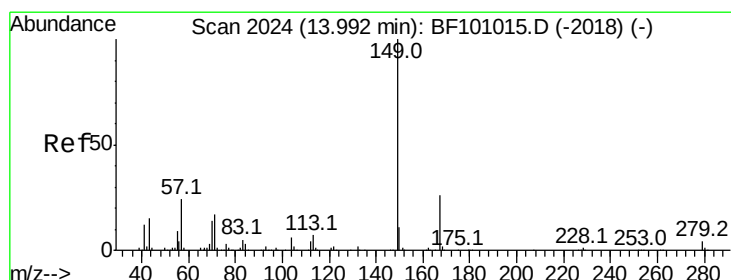
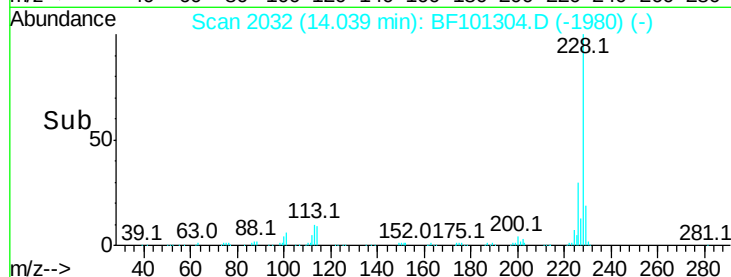
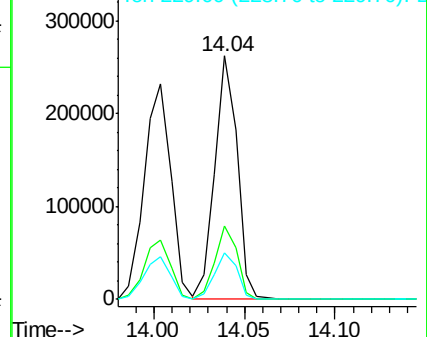
229 19.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 36.689 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

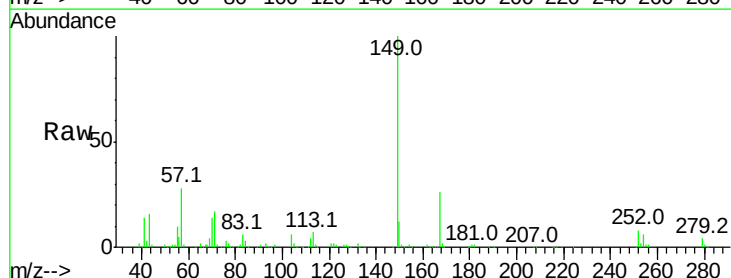
Tgt Ion:149 Resp: 160032

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

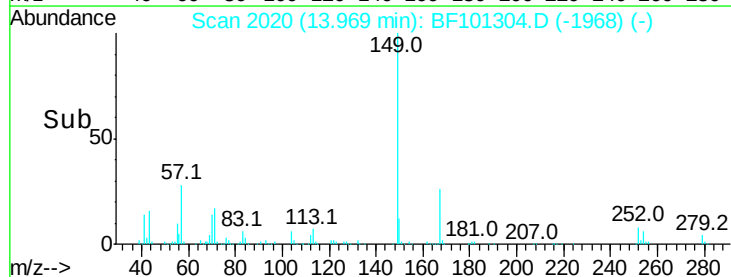
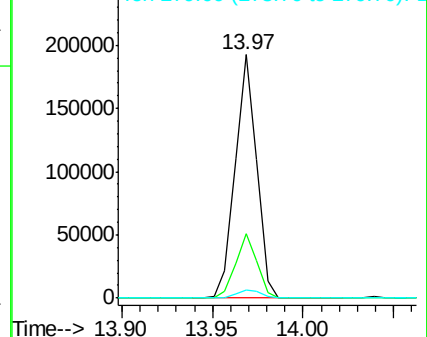
279 3.6 3.0 4.4

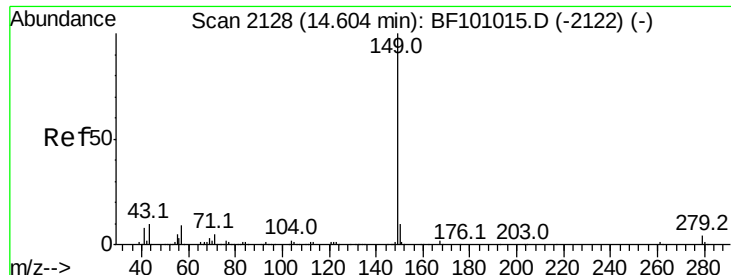


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

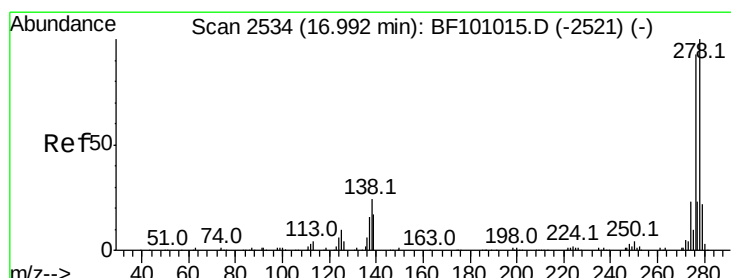
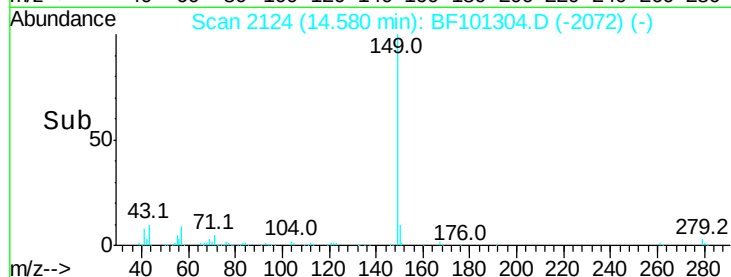
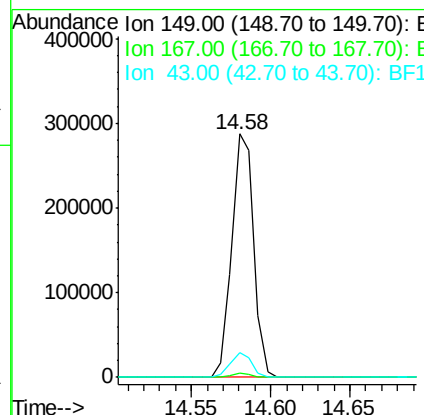
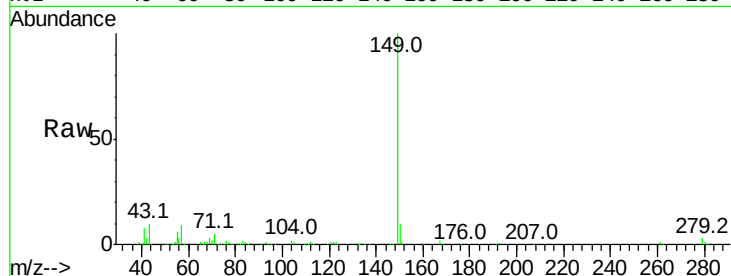




#84  
Di-n-octyl phthalate  
Concen: 37.808 ng  
RT: 14.58 min Scan# 2124  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

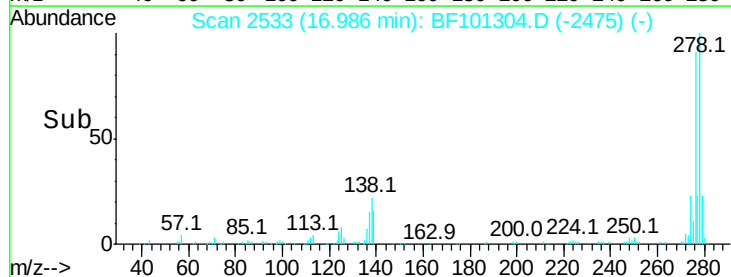
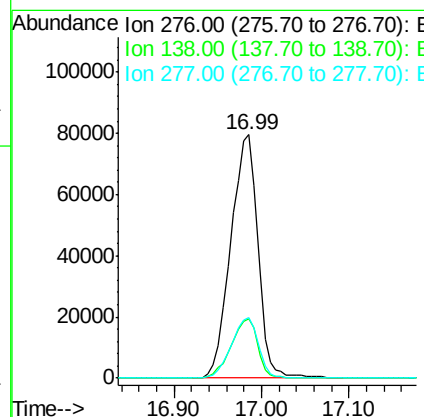
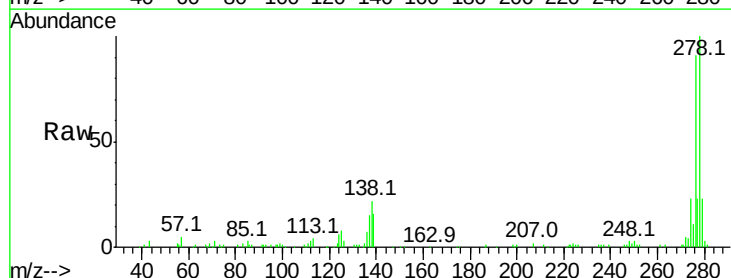
Instrument :  
BNA\_F  
ClientSampleId :

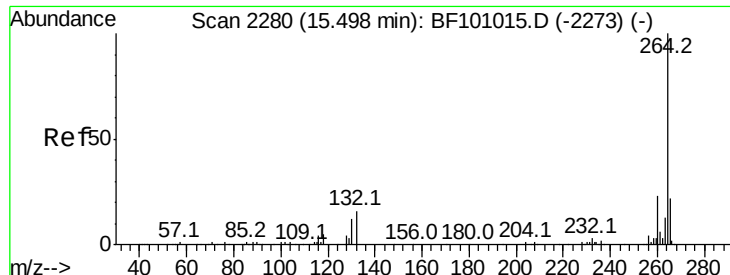
Tot Ion:149 Resp: 274585  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 9.6 8.4 12.6



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 32.118 ng  
RT: 16.99 min Scan# 2533  
Delta R.T. 0.04 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion:276 Resp: 168366  
Ion Ratio Lower Upper  
276 100  
138 23.9 25.0 37.6#  
277 24.7 20.1 30.1

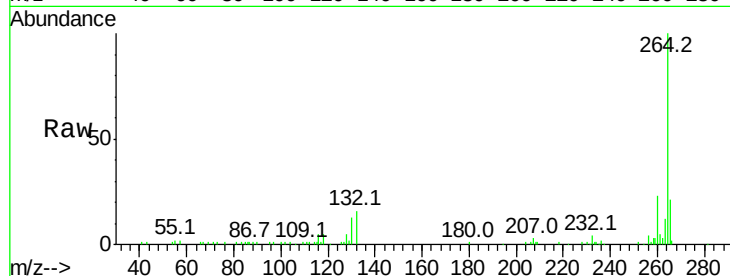




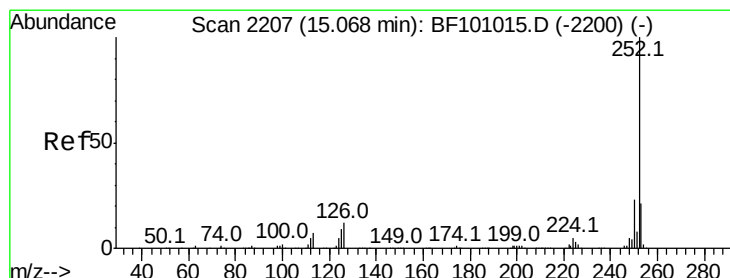
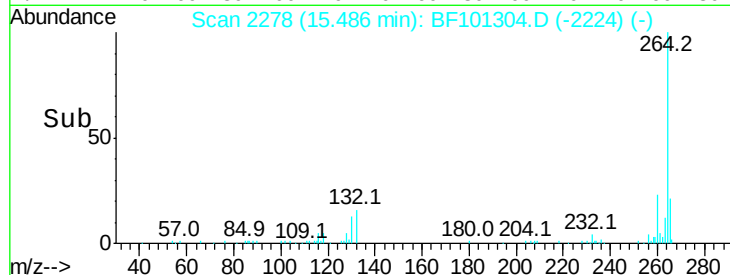
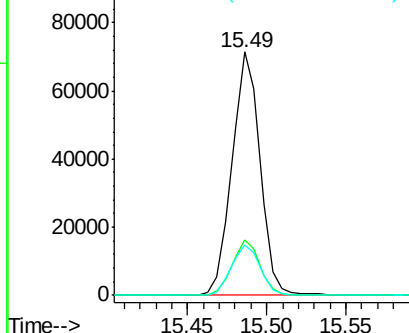
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.02 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 87029  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.2 28.8  
265 20.6 17.5 26.3

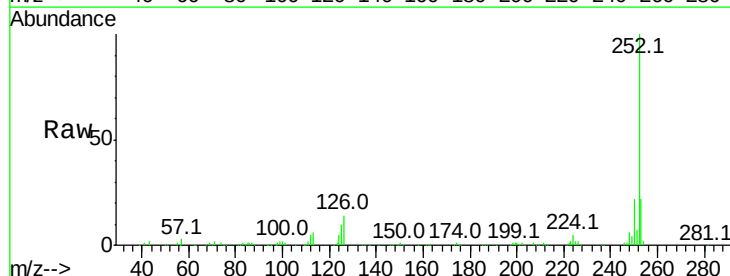


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

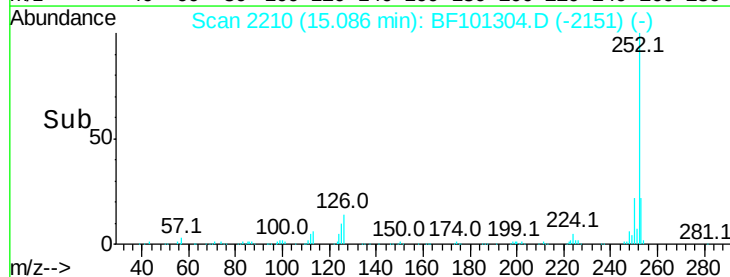
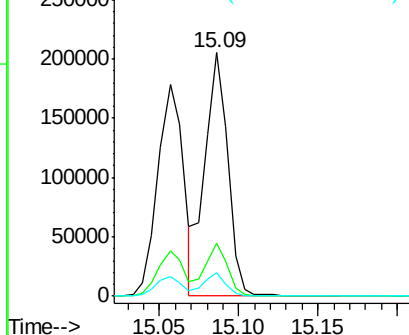


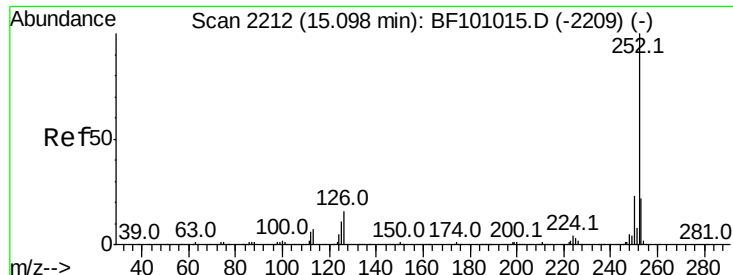
#87  
Benzo(b)fluoranthene  
Concen: 40.153 ng  
RT: 15.09 min Scan# 2210  
Delta R.T. 0.05 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

Tgt Ion:252 Resp: 209311  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.0 25.6  
125 9.5 9.0 13.6



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

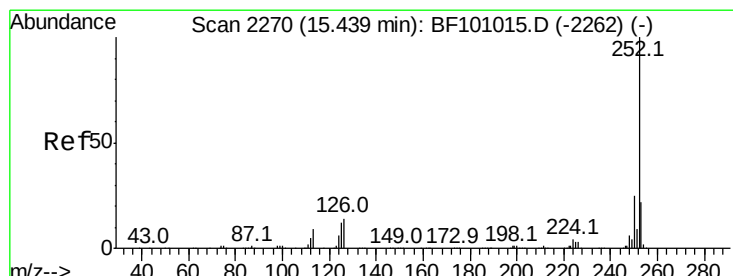
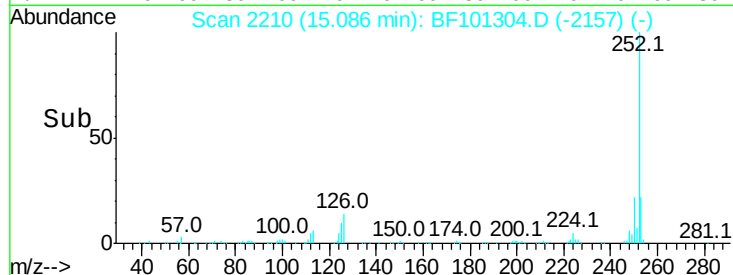
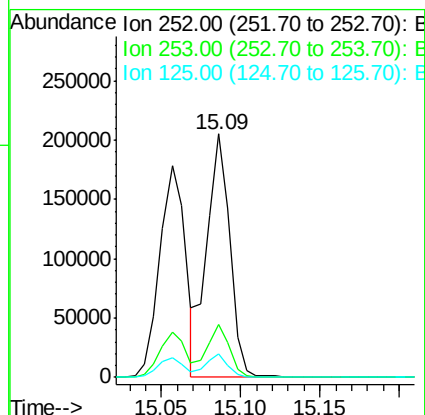
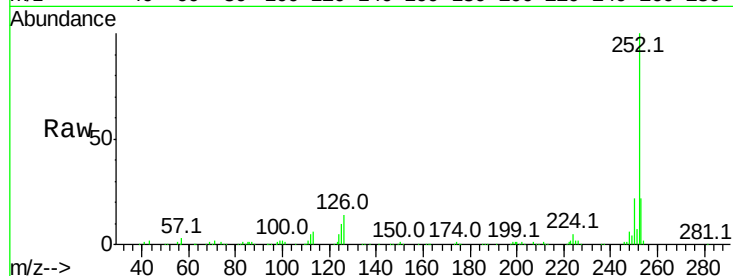




#88  
Benzo(k)fluoranthene  
Concen: 40.755 ng  
RT: 15.09 min Scan# 2210  
Delta R.T. 0.01 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

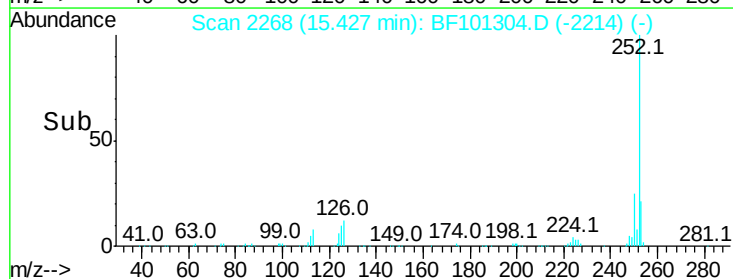
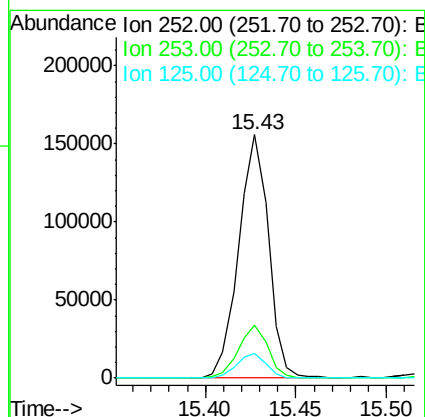
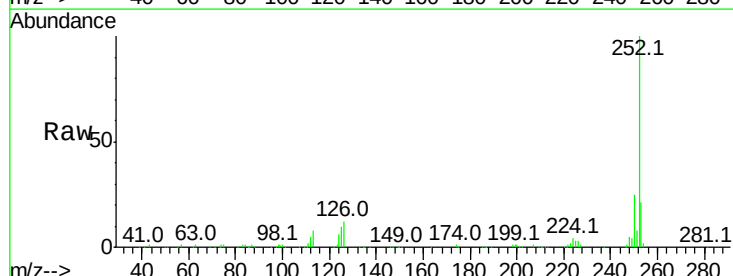
Instrument :  
BNA\_F  
ClientSampleId :

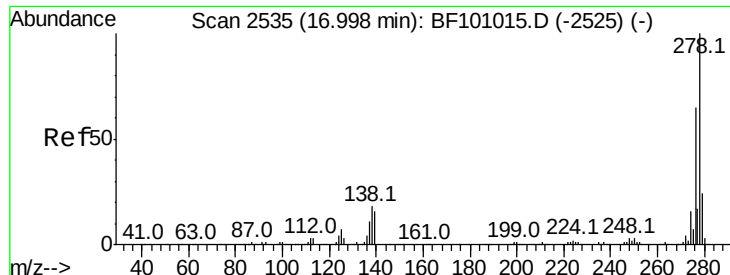
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.9  | 26.9  |
| 125     | 9.5   | 10.2  | 15.2# |



#89  
Benzo(a)pyrene  
Concen: 37.721 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. 0.02 min  
Lab File: BF101304.D  
Acq: 11 Dec 2017 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.1  | 25.7  |
| 125     | 10.2  | 9.8   | 14.6  |





#90

Dibenzo(a,h)anthracene

Concen: 34.946 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

Instrument :

BNA\_F

ClientSampleId :

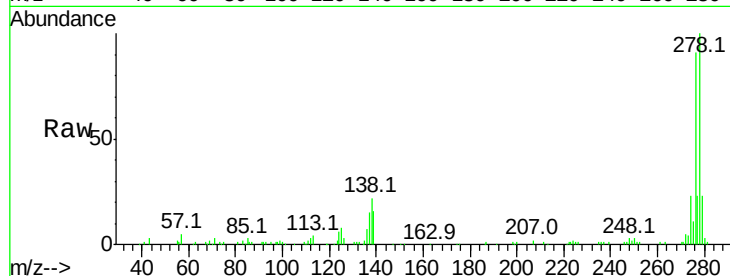
Tot Ion:278 Resp: 146002

Ion Ratio Lower Upper

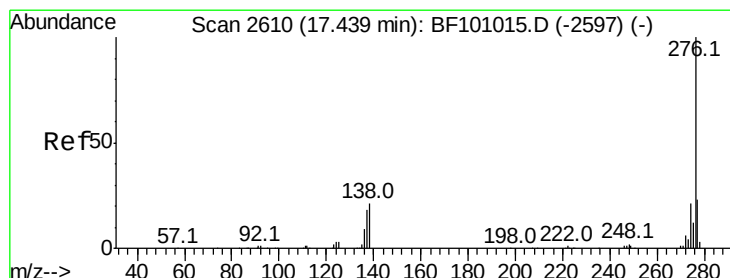
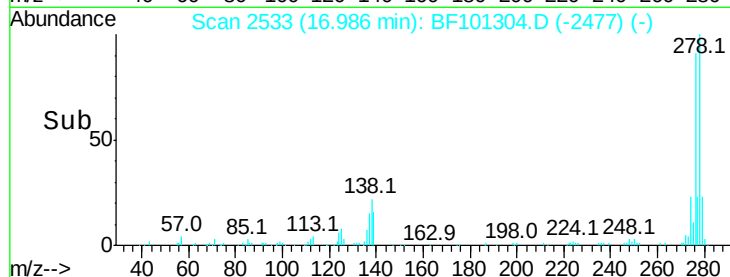
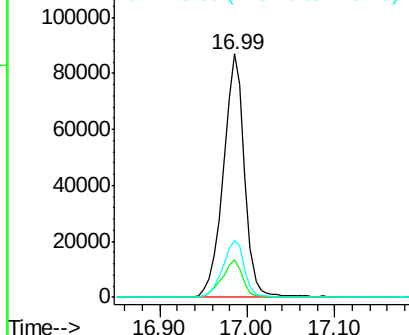
278 100

139 15.6 15.9 23.9#

279 23.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 32.988 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101304.D

Acq: 11 Dec 2017 23:10

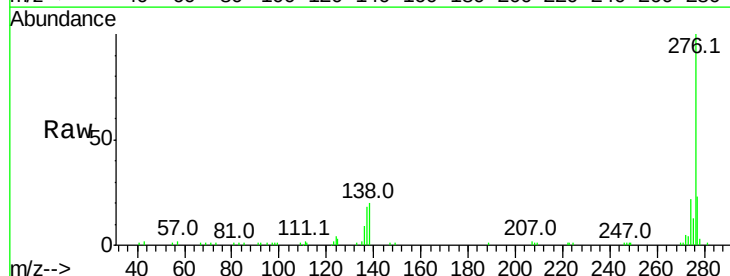
Tgt Ion:276 Resp: 129886

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 19.9 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

