

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\  
 Data File : BF104954.D  
 Acq On : 1 May 2018 1:40  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 01 04:41:04 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 15:20:08 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 111496   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 457354   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.83  | 164  | 198878   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 316926   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.97 | 240  | 216401   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.43 | 264  | 181518   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 516685 | 70.86 | ng | 0.00  |
| 7) Phenol-d6             | 6.43  | 99  | 636919 | 71.09 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 563038 | 80.39 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 138245 | 67.01 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 986602 | 78.37 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.90 | 244 | 726798 | 76.57 | ng | -0.01 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.46 | 88  | 111803 | 32.91 | ng | # 86   |
| 3) Pyridine                    | 3.19 | 79  | 310617 | 32.52 | ng | 86     |
| 4) n-Nitrosodimethylamine      | 3.17 | 42  | 103803 | 31.09 | ng | # 81   |
| 6) Aniline                     | 6.46 | 93  | 413517 | 33.22 | ng | 98     |
| 8) 2-Chlorophenol              | 6.58 | 128 | 285599 | 37.11 | ng | 91     |
| 9) Benzaldehyde                | 6.35 | 77  | 158111 | 32.90 | ng | 93     |
| 10) Phenol                     | 6.45 | 94  | 348993 | 36.71 | ng | # 66   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 268608 | 35.41 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 325097 | 37.29 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146 | 327392 | 37.67 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 301894 | 37.48 | ng | 98     |
| 15) Benzyl Alcohol             | 6.94 | 79  | 228587 | 33.59 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 314154 | 30.84 | ng | 79     |
| 17) 2-Methylphenol             | 7.05 | 107 | 240948 | 36.02 | ng | 96     |
| 18) Hexachloroethane           | 7.30 | 117 | 99869  | 32.23 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 183430 | 31.33 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 295131 | 35.57 | ng | # 69   |
| 22) Acetophenone               | 7.20 | 105 | 397215 | 35.28 | ng | 99     |
| 24) Nitrobenzene               | 7.38 | 77  | 295136 | 38.17 | ng | 97     |
| 25) Isophorone                 | 7.62 | 82  | 496303 | 33.51 | ng | 99     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 139048 | 44.17 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 217696 | 33.30 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 316771 | 34.98 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 228600 | 36.65 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 255799 | 37.37 | ng | 99     |
| 31) Naphthalene                | 8.10 | 128 | 815494 | 35.81 | ng | 99     |
| 32) Benzoic acid               | 7.86 | 122 | 115403 | 22.13 | ng | 94     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 350152 | 35.89 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.21 | 225 | 142759 | 38.08 | ng | 98     |
| 35) Caprolactam                | 8.53 | 113 | 72084  | 33.13 | ng | # 79   |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 235347 | 35.19 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 525354 | 35.66 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 233009 | 40.93 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.93 | 237 | 9074   | 2.85  | ng | 95     |

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 Acq On : 1 May 2018 1:40  
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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 01 04:41:04 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 15:20:08 2018  
 Response via : Initial Calibration

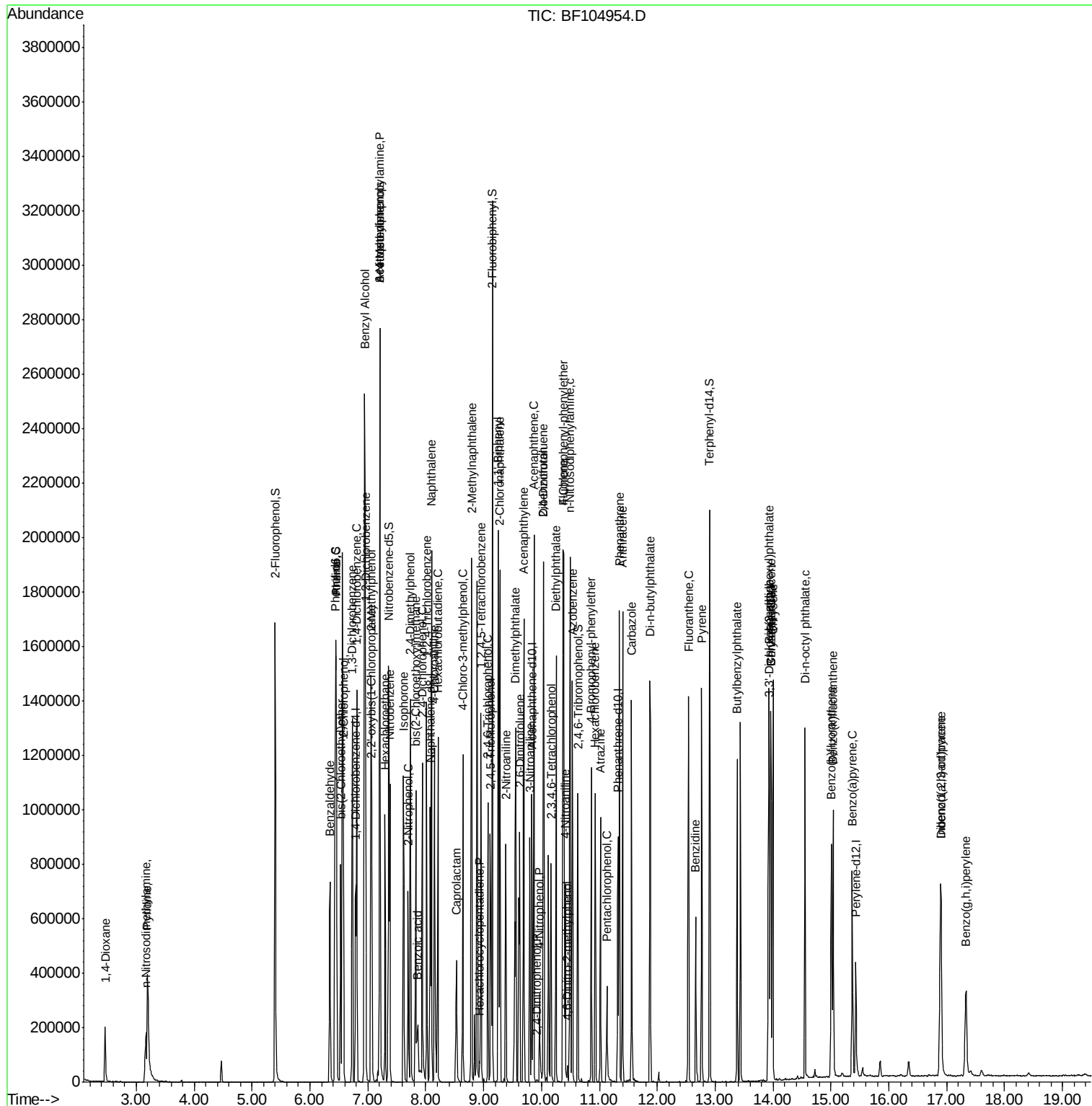
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 146557   | 37.08 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.12  | 196  | 165508   | 37.42 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 9.25  | 154  | 639277   | 38.26 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 501834   | 38.03 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.38  | 65   | 147018   | 45.05 | nq    | 99       |
| 48) Acenaphthylene             | 9.70  | 152  | 743704   | 35.92 | nq    | 100      |
| 49) Dimethylphthalate          | 9.55  | 163  | 603898   | 38.51 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 122399   | 42.18 | nq    | # 82     |
| 51) Acenaphthene               | 9.87  | 154  | 436699   | 34.57 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.80  | 138  | 146898   | 43.24 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 2491     | 8.22  | nq    | # 16     |
| 54) Dibenzofuran               | 10.04 | 168  | 611349   | 34.73 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 68531    | 25.68 | nq    | 92       |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 142744   | 37.50 | nq    | # 96     |
| 57) Fluorene                   | 10.38 | 166  | 486443   | 37.96 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 102848   | 31.17 | nq    | 95       |
| 59) Diethylphthalate           | 10.25 | 149  | 569241   | 36.44 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 234592   | 41.11 | nq    | 98       |
| 61) 4-Nitroaniline             | 10.41 | 138  | 138642   | 41.74 | nq    | 97       |
| 62) Azobenzene                 | 10.53 | 77   | 467482   | 31.33 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 9324     | 12.46 | nq    | # 80     |
| 65) n-Nitrosodiphenylamine     | 10.49 | 169  | 441269   | 40.16 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.86 | 248  | 136682   | 40.55 | nq    | 90       |
| 67) Hexachlorobenzene          | 10.93 | 284  | 147434   | 38.87 | nq    | # 86     |
| 68) Atrazine                   | 11.02 | 200  | 118139   | 35.62 | nq    | 99       |
| 69) Pentachlorophenol          | 11.13 | 266  | 49754    | 21.20 | nq    | 97       |
| 70) Phenanthrene               | 11.35 | 178  | 628662   | 35.62 | nq    | 99       |
| 71) Anthracene                 | 11.40 | 178  | 634111   | 35.34 | nq    | 99       |
| 72) Carbazole                  | 11.56 | 167  | 576511   | 32.88 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 804444   | 37.56 | nq    | 100      |
| 74) Fluoranthene               | 12.54 | 202  | 567766   | 30.79 | nq    | 96       |
| 76) Benzidine                  | 12.66 | 184  | 242151   | 30.80 | nq    | 98       |
| 77) Pyrene                     | 12.77 | 202  | 577666   | 36.01 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.38 | 149  | 283566   | 37.52 | nq    | 93       |
| 80) Benzo(a)anthracene         | 13.96 | 228  | 504356   | 39.01 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 184013   | 38.17 | nq    | 98       |
| 82) Chrysene                   | 14.00 | 228  | 478610   | 36.04 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 393520   | 40.49 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.55 | 149  | 609576   | 37.53 | nq    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.89 | 276  | 351160   | 31.13 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 15.01 | 252  | 431139   | 37.61 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.04 | 252  | 418249   | 38.64 | nq    | 96       |
| 89) Benzo(a)pyrene             | 15.37 | 252  | 378130   | 36.86 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.90 | 278  | 299487   | 35.55 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.33 | 276  | 278786   | 34.16 | nq    | 98       |

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

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampled :

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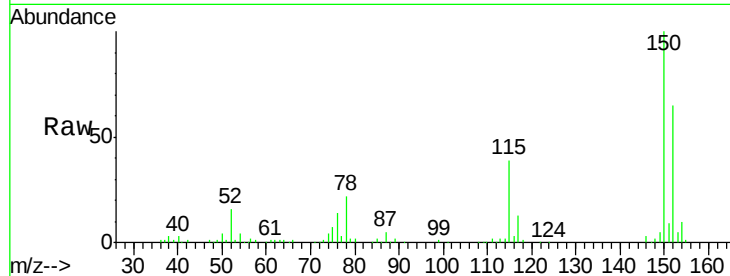




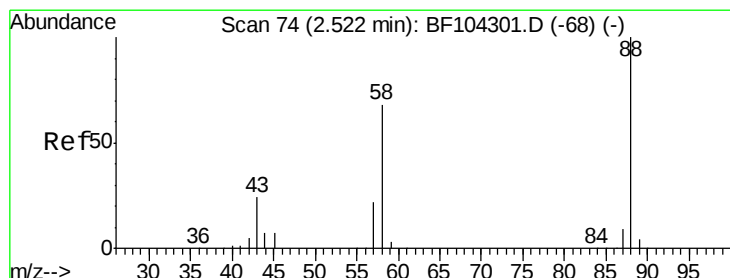
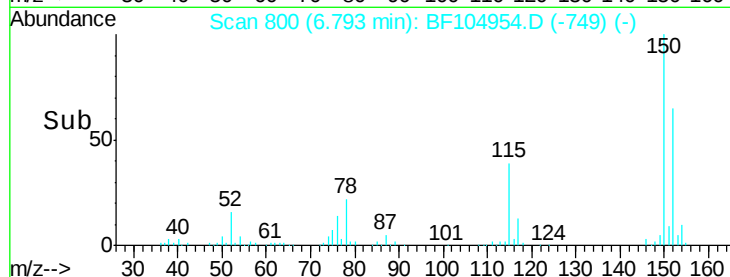
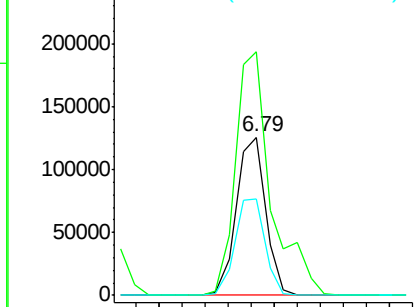
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.79 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 111496  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 124.6 186.8  
 115 60.8 50.1 75.1

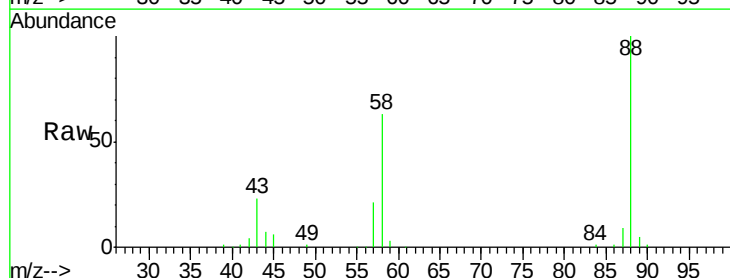


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

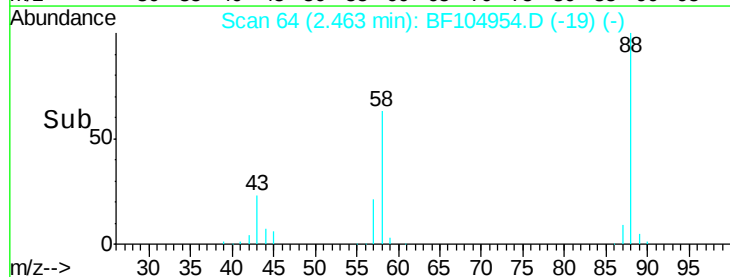
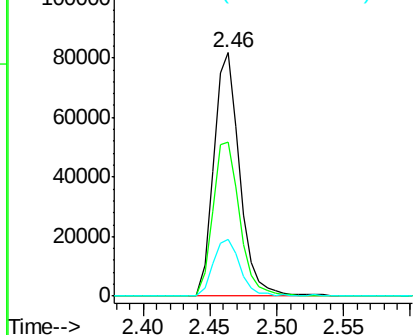


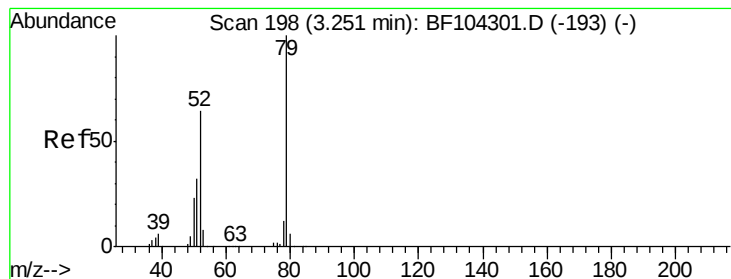
#2  
 1,4-Dioxane  
 Concen: 32.91 ng  
 RT: 2.46 min Scan# 64  
 Delta R.T. -0.04 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion: 88 Resp: 111803  
 Ion Ratio Lower Upper  
 88 100  
 58 65.6 62.6 93.8  
 43 23.9 24.6 37.0#



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





#3

Pvrirdine

Concen: 32.52 ng

RT: 3.19 min Scan# 188

Delta R.T. -0.04 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

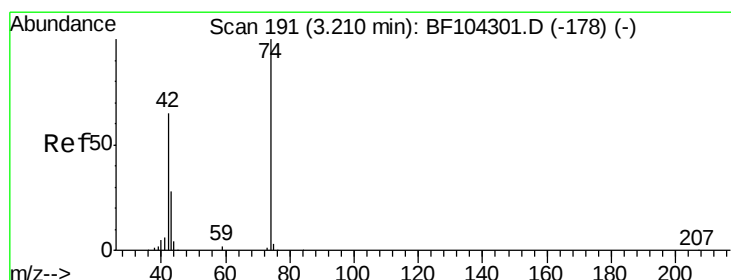
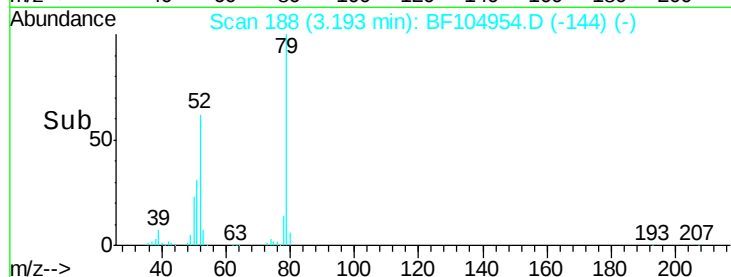
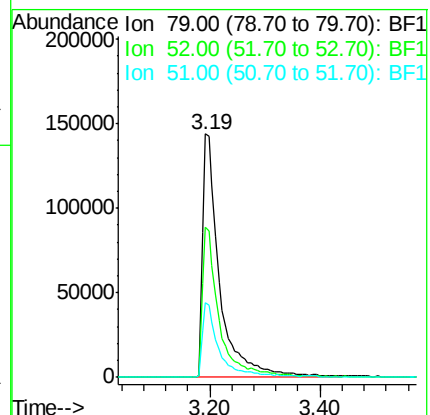
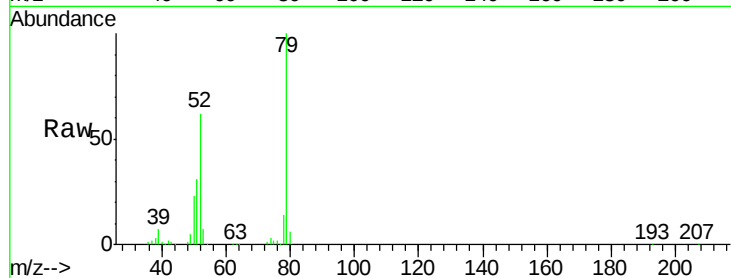
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 79 Resp: 310617

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 61.6  | 59.8  | 89.6  |
| 51  | 30.7  | 29.8  | 44.8  |



#4

n-Nitrosodimethylamine

Concen: 31.09 ng

RT: 3.17 min Scan# 184

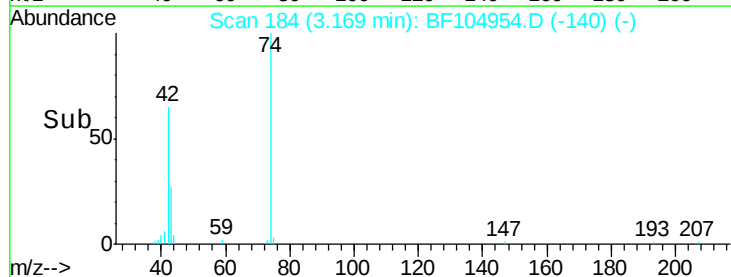
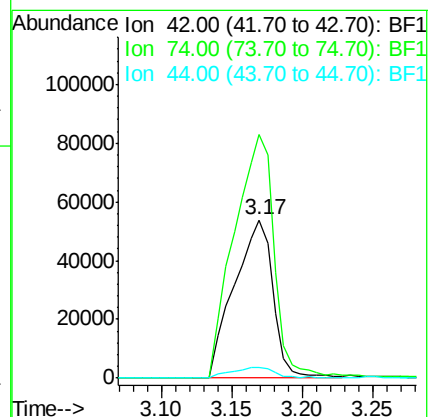
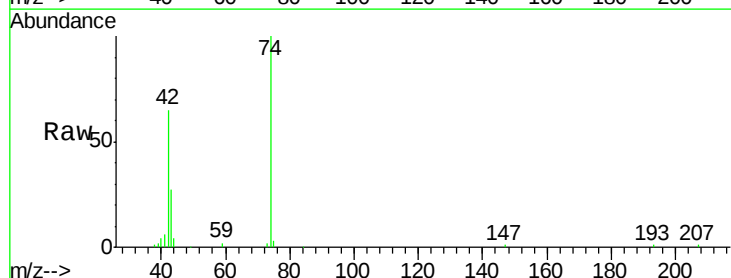
Delta R.T. -0.04 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Tgt Ion: 42 Resp: 103803

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 154.1 | 104.9 | 157.3 |
| 44  | 6.8   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 70.86 ng

RT: 5.40 min Scan# 563

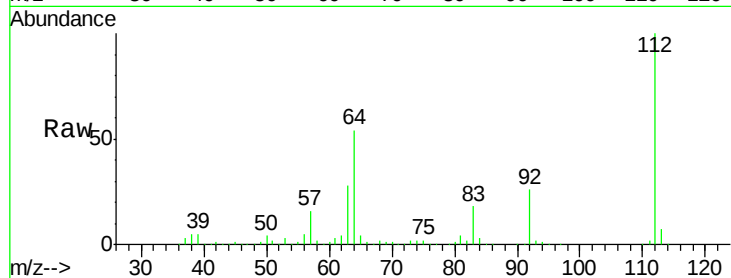
Delta R.T. -0.01 min

Lab File: BF104954.D

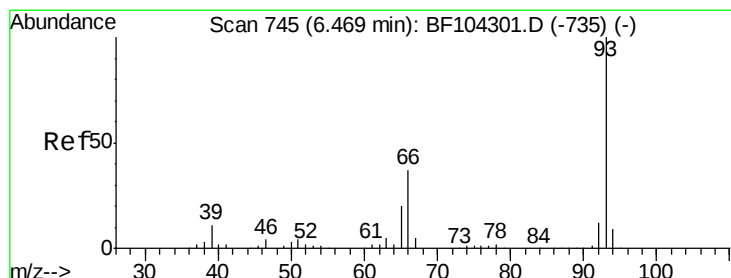
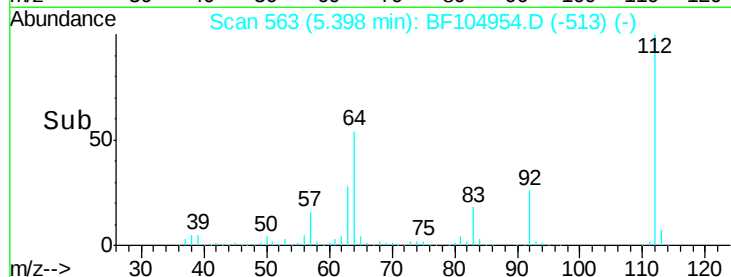
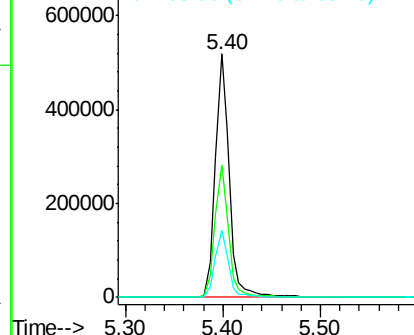
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 51685 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 54.1  | 47.9  | 71.9  |
| 63       | 27.5  | 23.7  | 35.5  |



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.22 ng

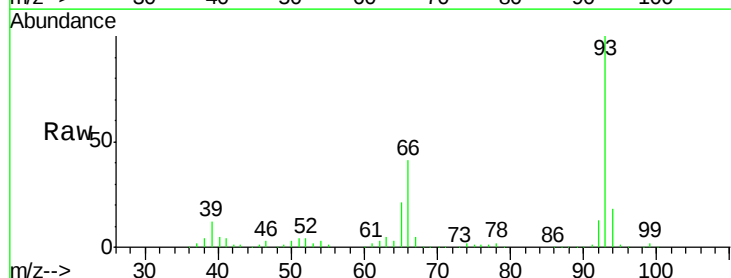
RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

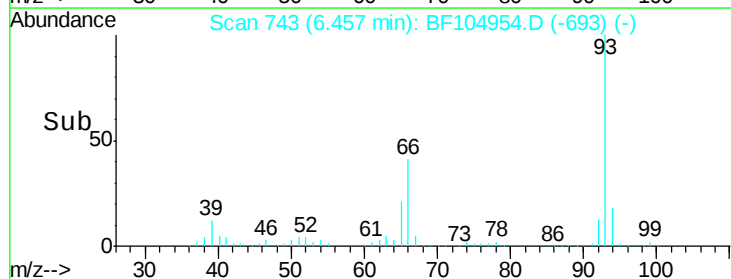
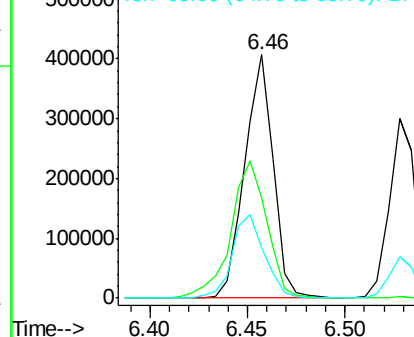
Lab File: BF104954.D

Acq: 1 May 2018 1:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 413517 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 41.3  | 32.2  | 48.2   |
| 65       | 20.9  | 16.4  | 24.6   |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 71.09 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

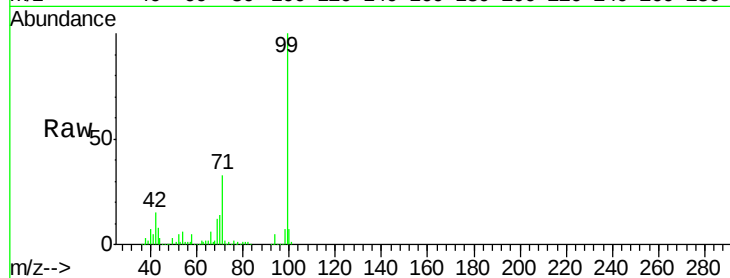
Tot Ion: 99 Resp: 636919

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

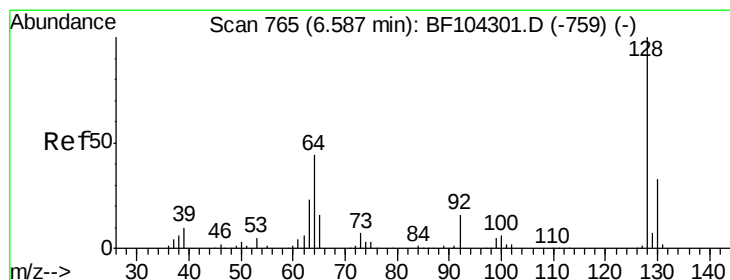
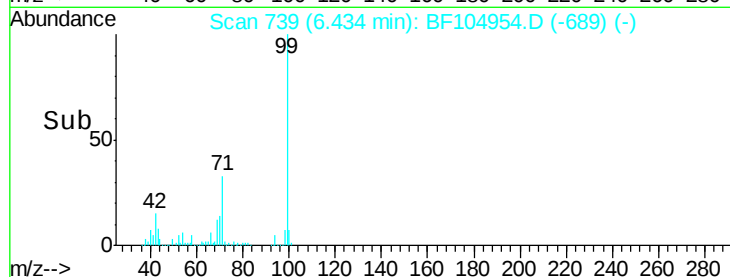
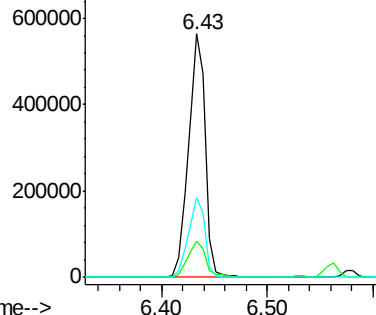
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.11 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

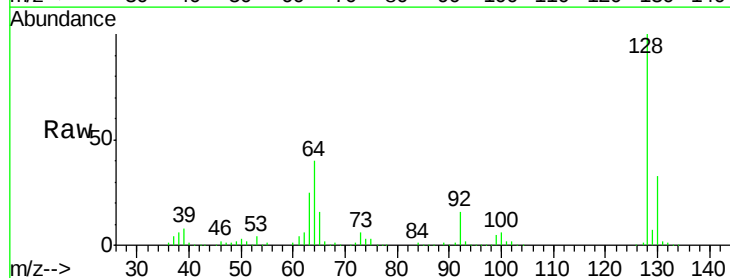
Tgt Ion: 128 Resp: 285599

Ion Ratio Lower Upper

128 100

130 32.9 13.0 53.0

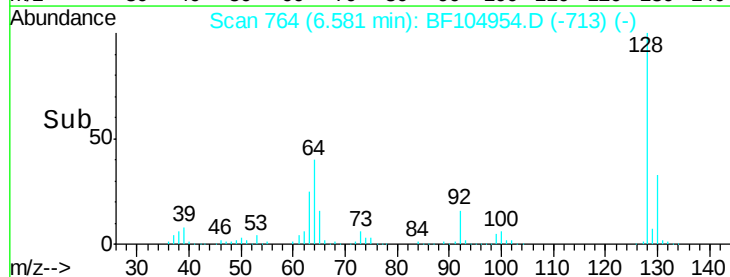
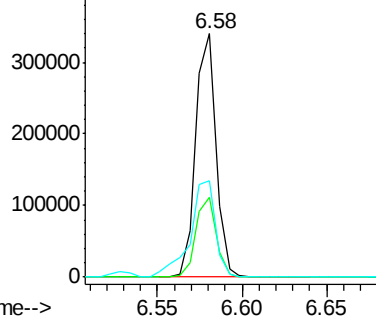
64 39.6 29.4 69.4



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

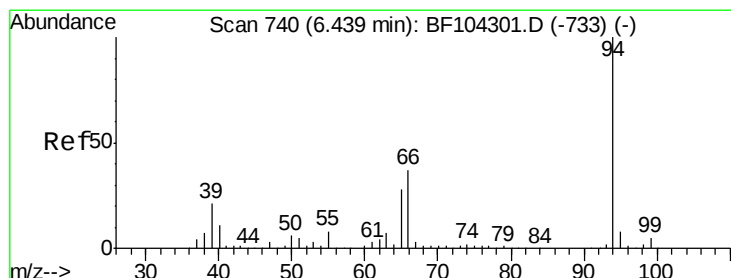
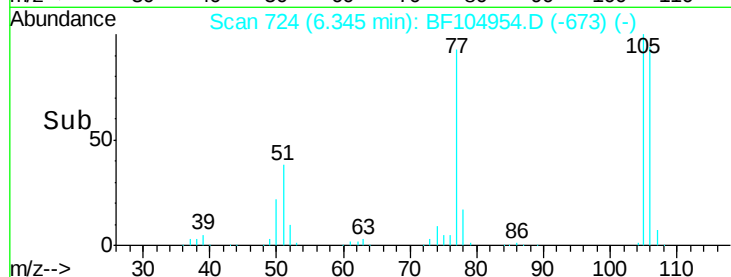
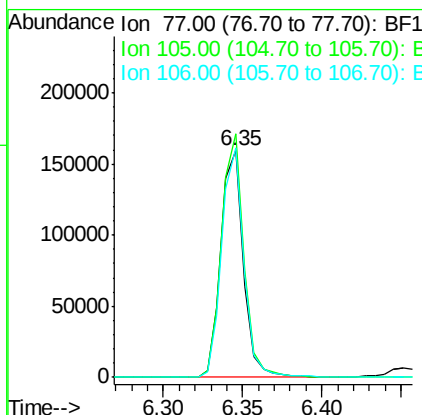
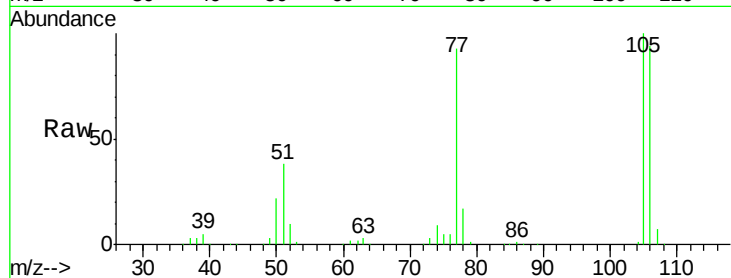




#9  
Benzaldehyde  
Concen: 32.90 ng  
RT: 6.35 min Scan# 724  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

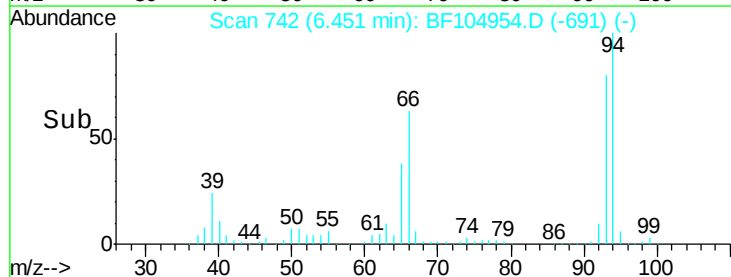
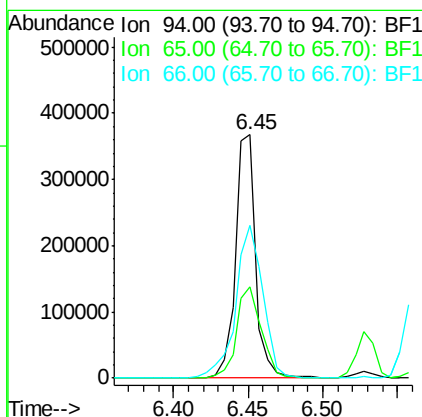
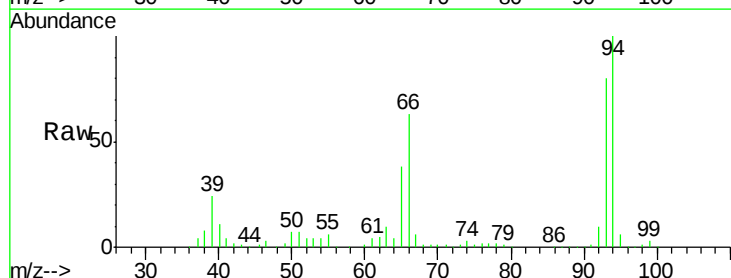
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 158111  
Ion Ratio Lower Upper  
77 100  
105 107.5 81.1 121.1  
106 101.1 74.5 114.5



#10  
Phenol  
Concen: 36.71 ng  
RT: 6.45 min Scan# 742  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion: 94 Resp: 348993  
Ion Ratio Lower Upper  
94 100  
65 37.7 7.9 47.9  
66 62.7 16.2 56.2#

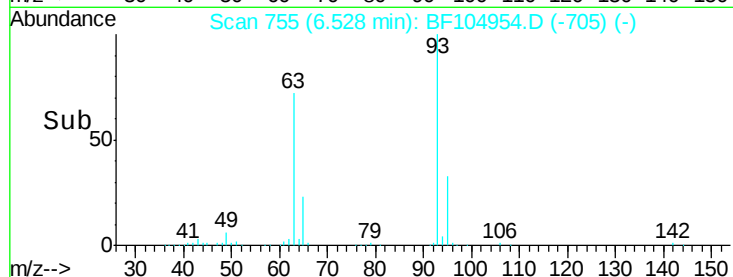
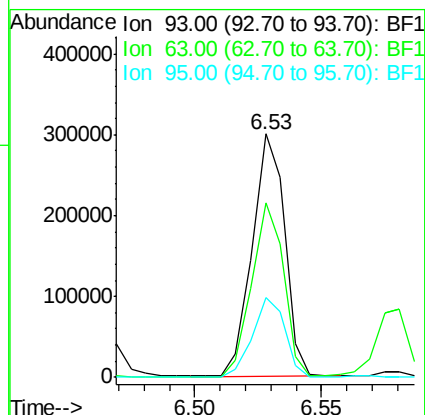
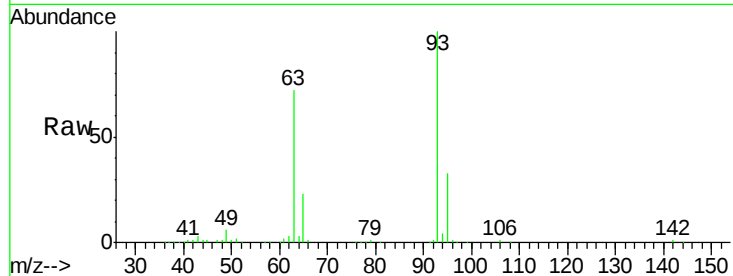




#11  
bis(2-Chloroethyl)ether  
Concen: 35.41 ng  
RT: 6.53 min Scan# 755  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

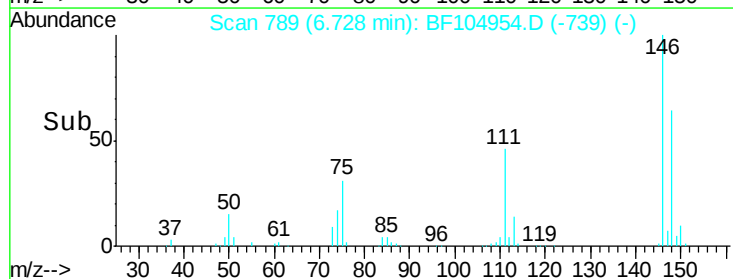
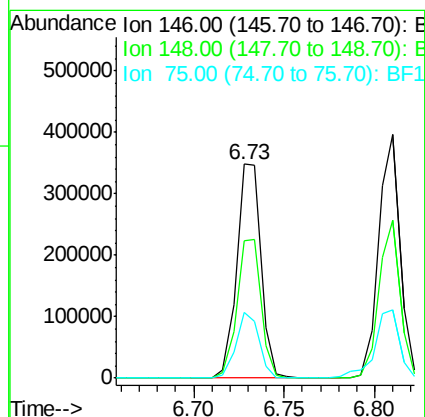
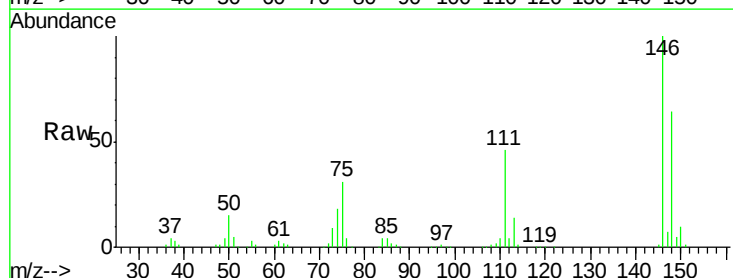
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 268608  
Ion Ratio Lower Upper  
93 100  
63 71.9 58.6 98.6  
95 32.9 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 37.29 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion: 146 Resp: 325097  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.8 77.8  
75 30.9 24.2 36.4

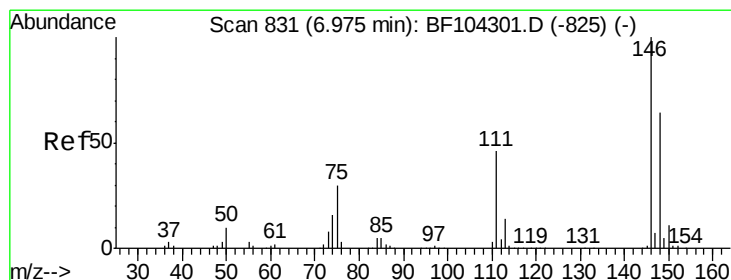
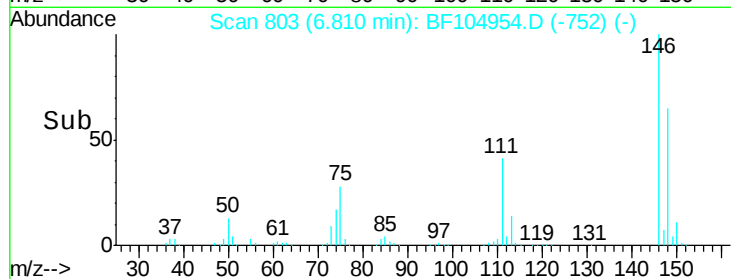
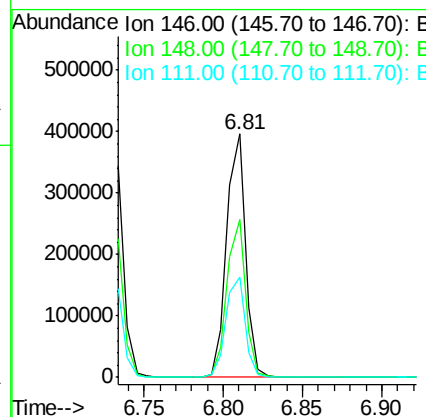
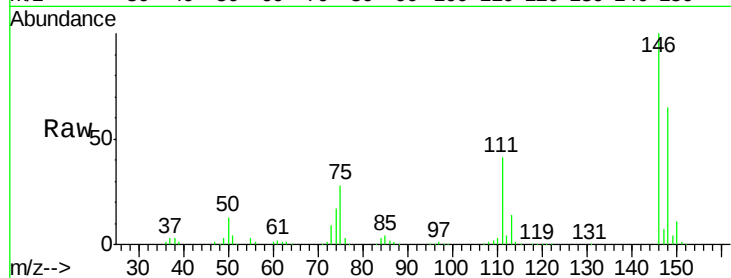




#13  
 1,4-Dichlorobenzene  
 Concen: 37.67 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

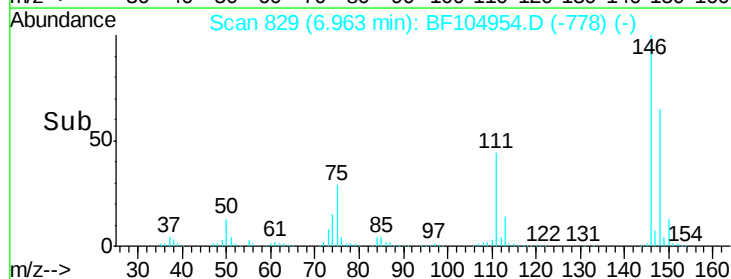
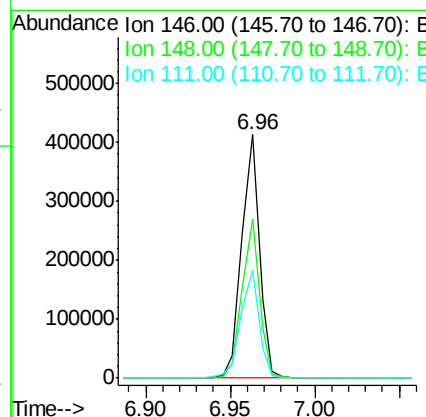
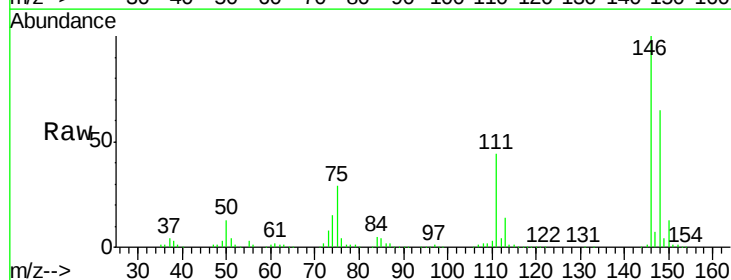
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 327392  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 50.8 76.2  
 111 41.4 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 37.48 ng  
 RT: 6.96 min Scan# 829  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion:146 Resp: 301894  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 50.6 75.8  
 111 44.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 33.59 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

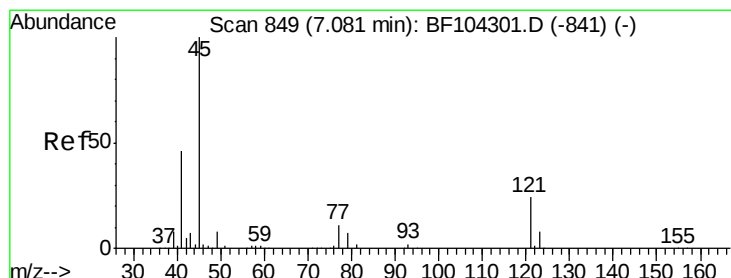
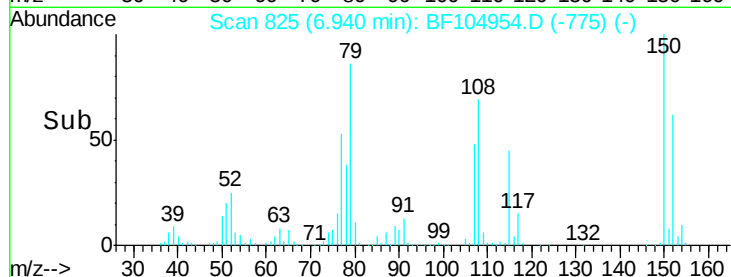
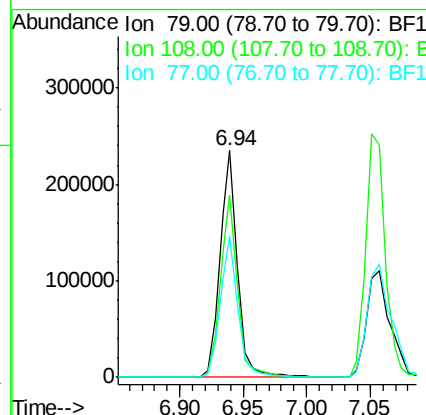
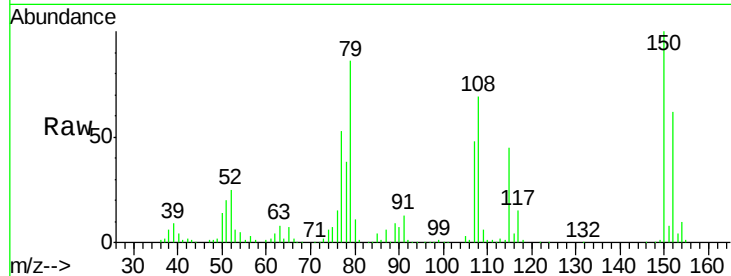
Tot Ion: 79 Resp: 228587

Ion Ratio Lower Upper

79 100

108 80.5 65.1 97.7

77 62.3 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 30.84 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

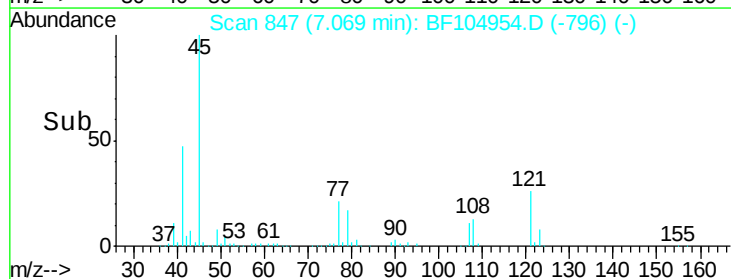
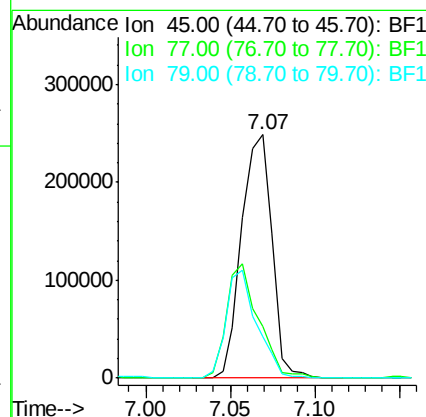
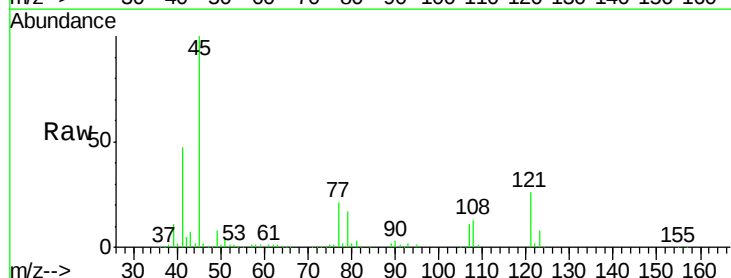
Tgt Ion: 45 Resp: 314154

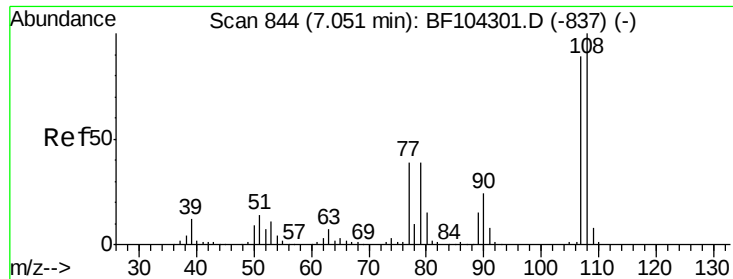
Ion Ratio Lower Upper

45 100

77 21.3 0.0 32.9

79 17.0 0.0 29.6

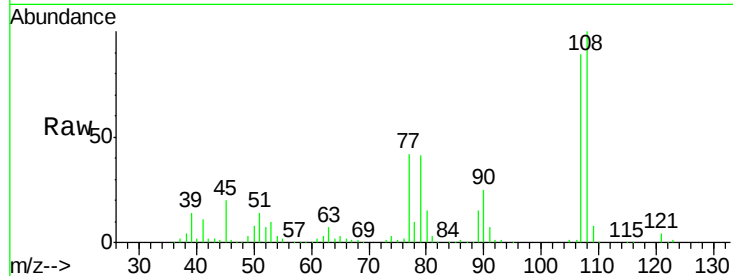




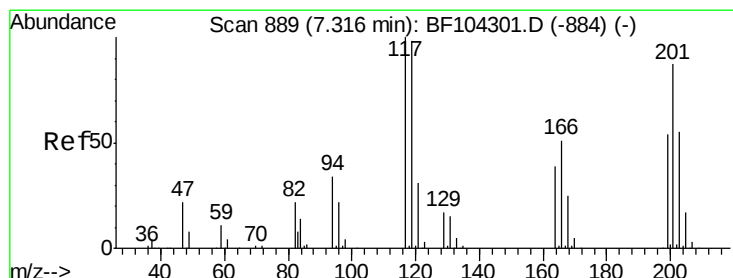
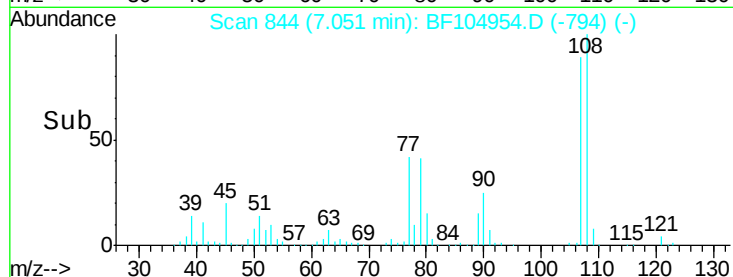
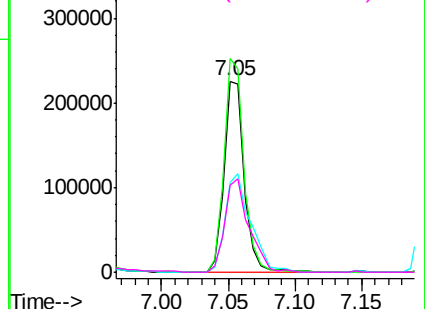
#17  
2-Methylphenol  
Concen: 36.02 ng  
RT: 7.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 240948 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.9 | 91.7  | 137.5  |
| 77       | 46.8  | 33.8  | 50.8   |
| 79       | 45.7  | 33.8  | 50.8   |

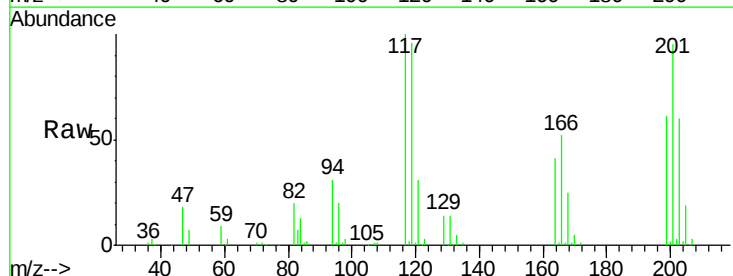


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

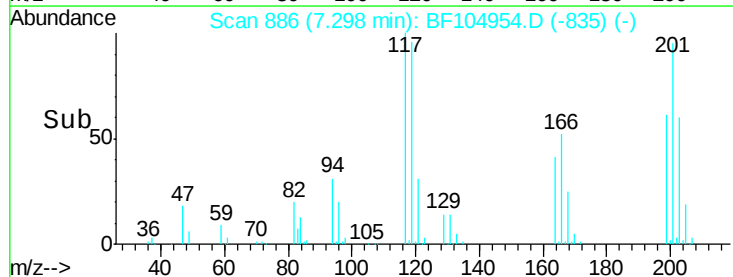
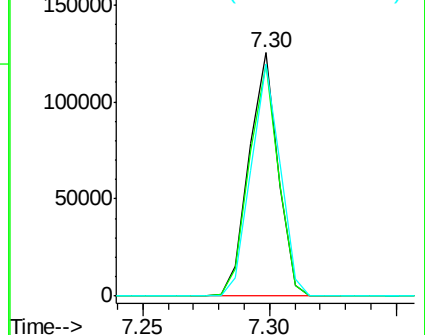


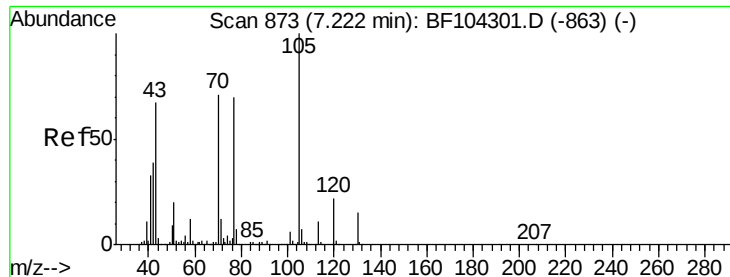
#18  
Hexachloroethane  
Concen: 32.23 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 99869 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.6  | 75.8  | 113.8 |
| 201      | 95.4  | 75.7  | 113.5 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

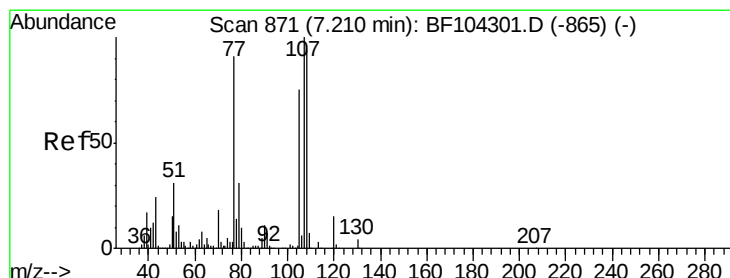
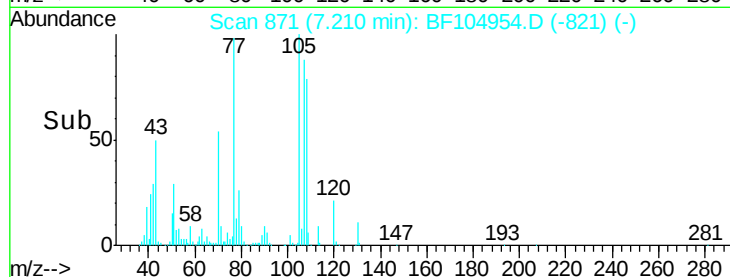
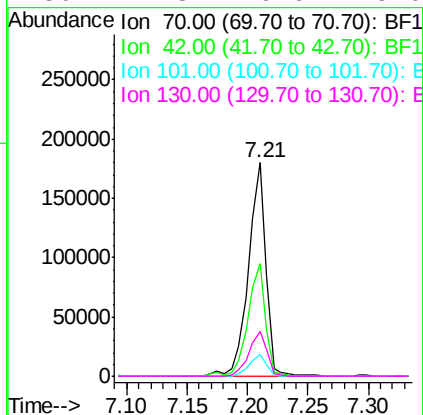
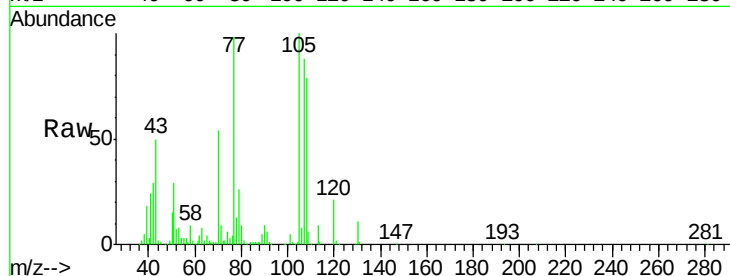




#19  
n-Nitroso-di-n-propylamine  
Concen: 31.33 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

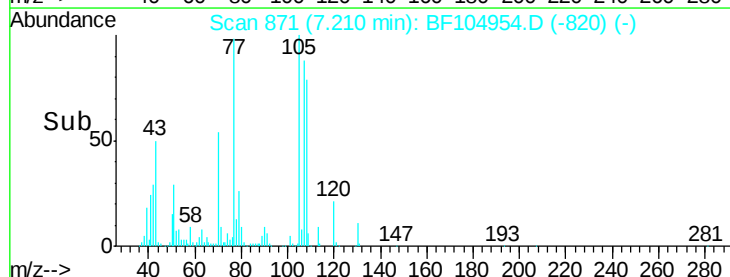
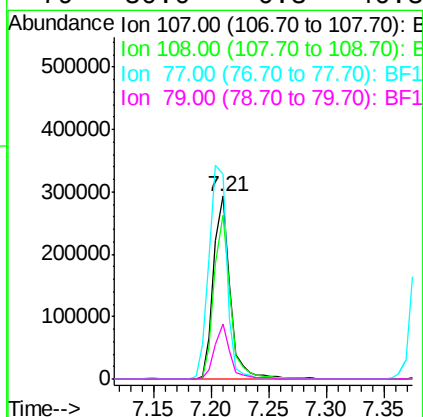
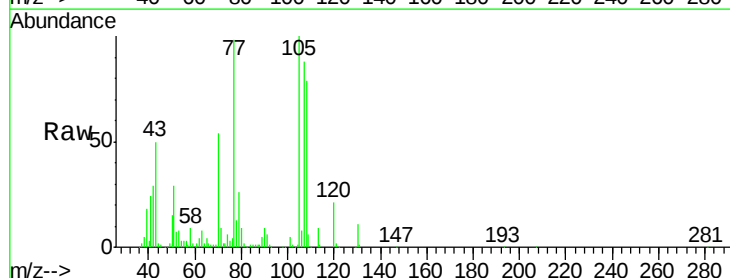
Instrument :  
BNA\_F  
ClientSampleId :

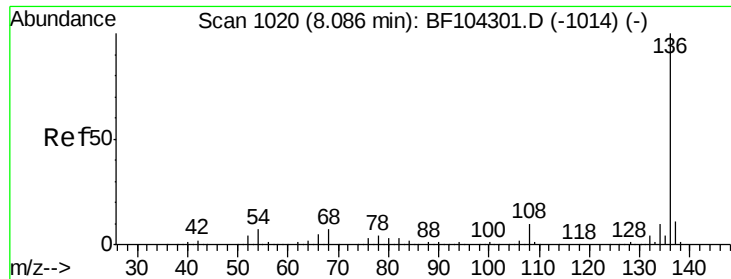
Tot Ion: 70 Resp: 183430  
Ion Ratio Lower Upper  
70 100  
42 52.9 47.5 71.3  
101 10.0 7.4 11.2  
130 21.3 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 35.57 ng  
RT: 7.21 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:107 Resp: 295131  
Ion Ratio Lower Upper  
107 100  
108 90.0 68.2 108.2  
77 111.8 26.7 66.7#  
79 30.0 6.3 46.3

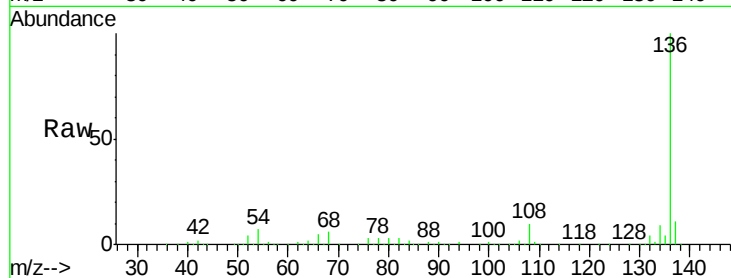




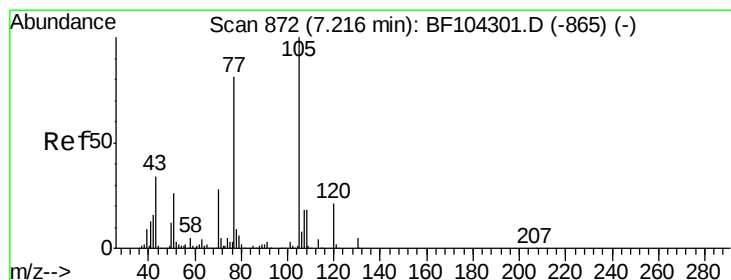
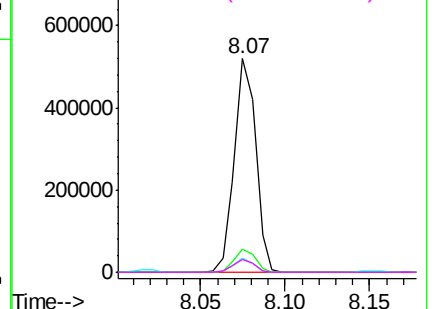
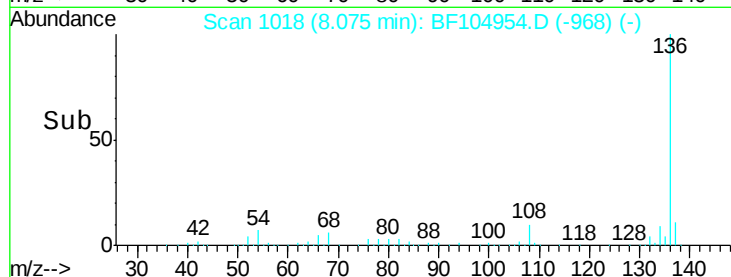
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 457354   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.9 13.3 |
| 54          | 6.6   | 6.6 9.8  |
| 68          | 5.8   | 5.0 7.4  |

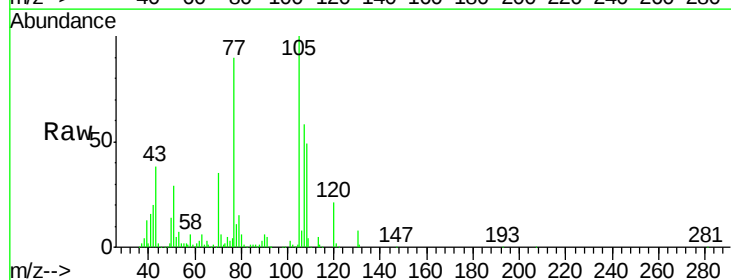


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

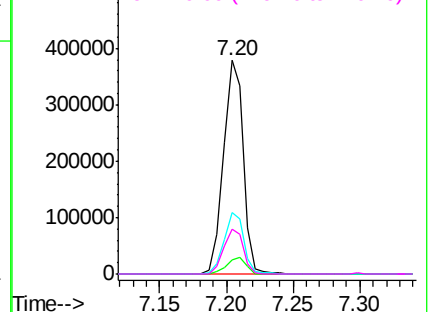
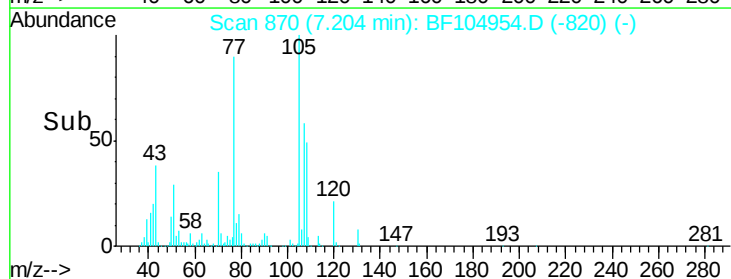


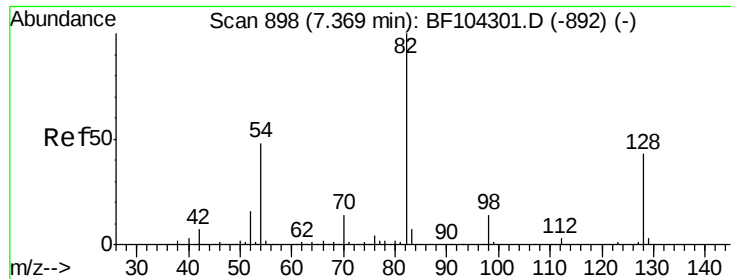
#22  
Acetophenone  
Concen: 35.28 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 397215    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 6.3   | 4.4 6.6   |
| 51          | 28.8  | 22.3 33.5 |
| 120         | 20.9  | 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

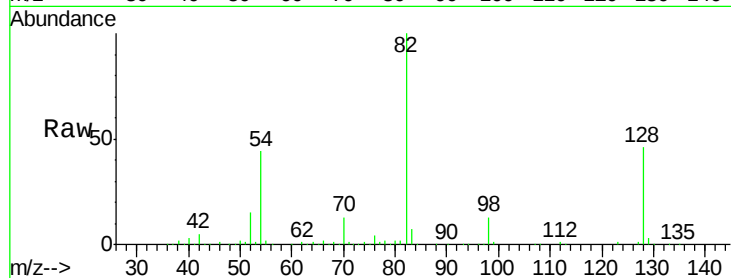




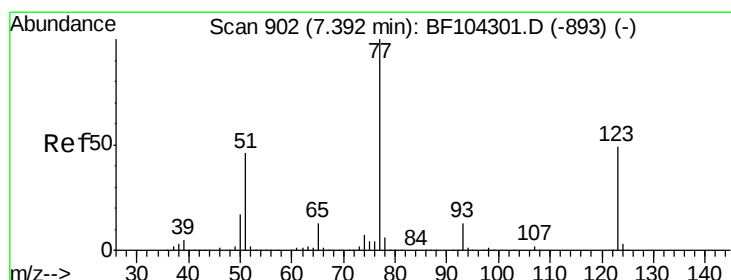
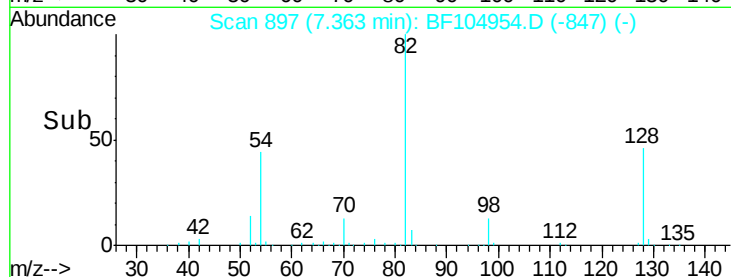
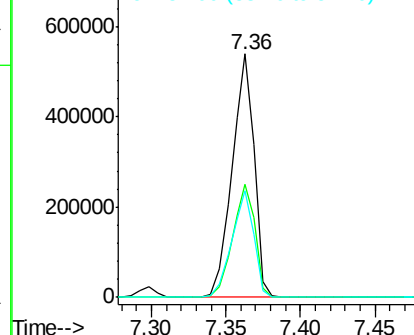
#23  
Nitrobenzene-d5  
Concen: 80.39 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82   | Resp  | 563038 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.4 | 36.1  | 54.1   |
| 54        | 44.0 | 41.4  | 62.2   |

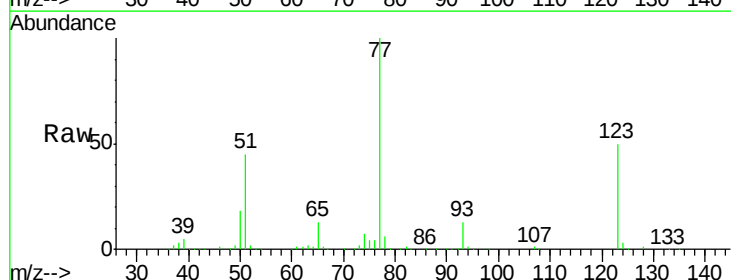


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

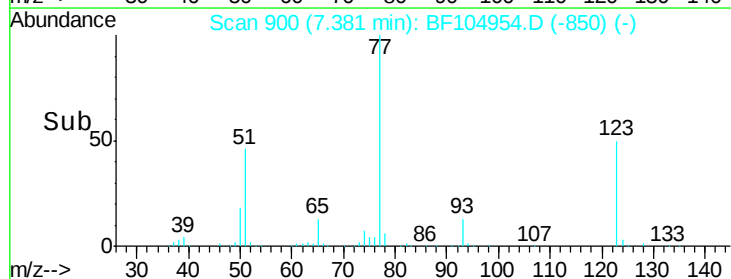
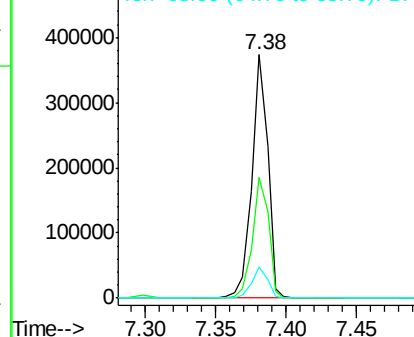


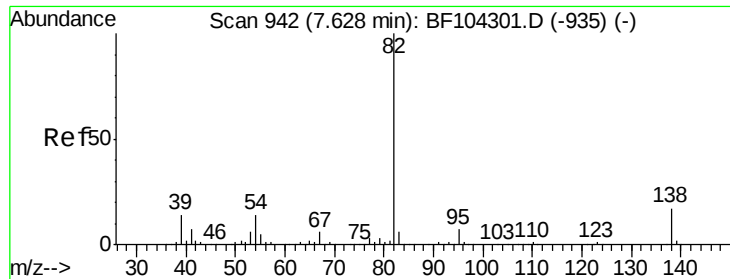
#24  
Nitrobenzene  
Concen: 38.17 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

| Tgt Ion   | 77   | Resp  | 295136 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 49.6 | 37.9  | 56.9   |
| 65        | 12.8 | 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: 33.51 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

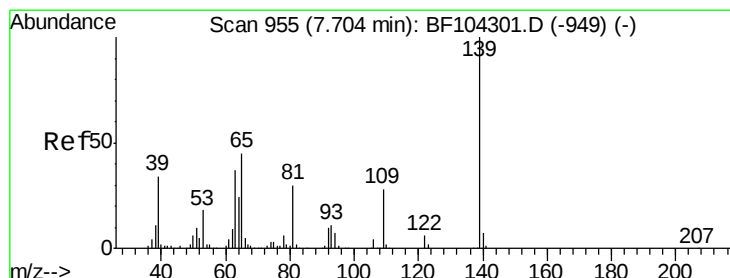
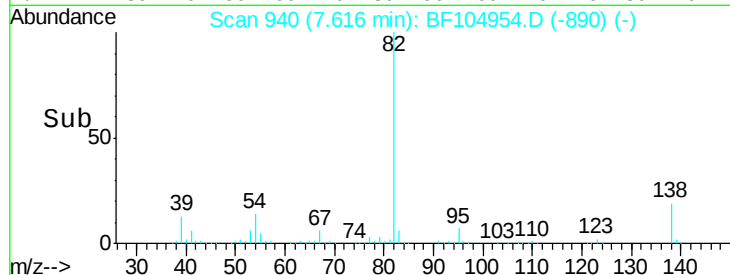
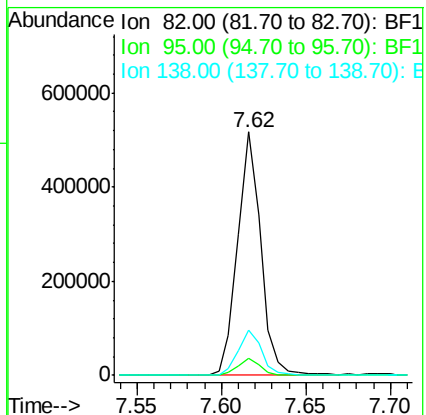
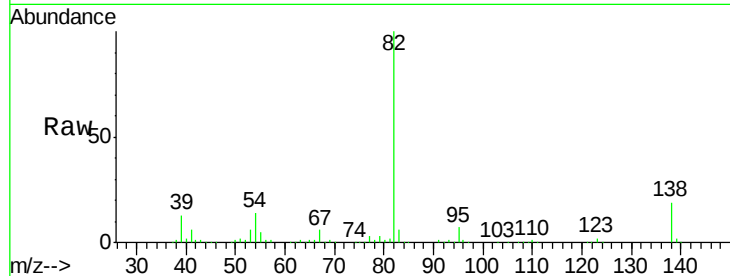
Tot Ion: 82 Resp: 496303

Ion Ratio Lower Upper

82 100

95 7.3 5.2 7.8

138 18.7 14.9 22.3



#26

2-Nitrophenol

Concen: 44.17 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

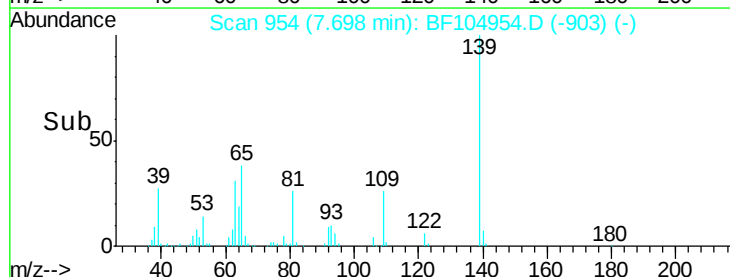
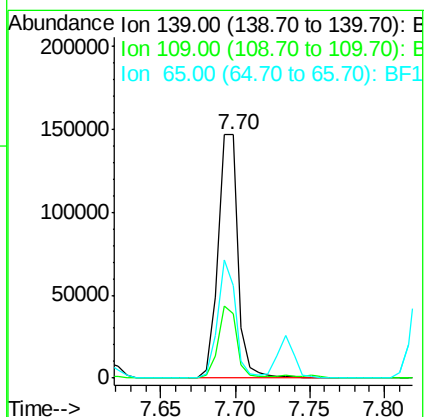
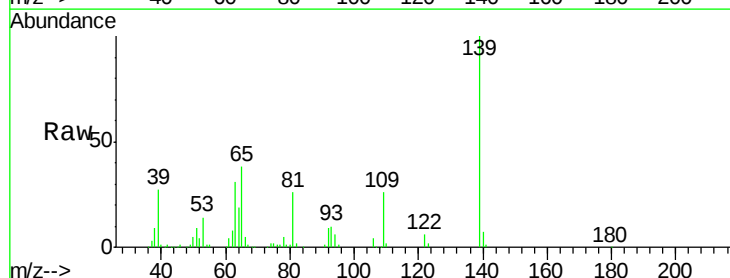
Tgt Ion: 139 Resp: 139048

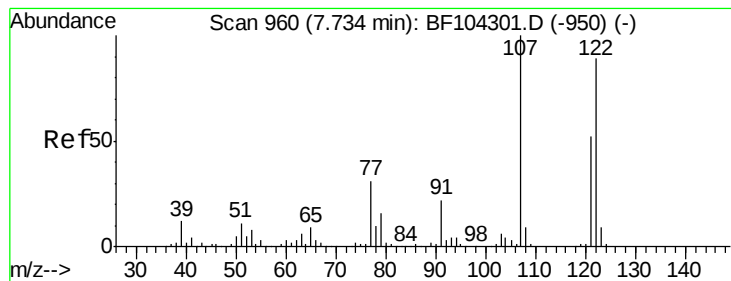
Ion Ratio Lower Upper

139 100

109 26.5 22.7 34.1

65 37.8 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 33.30 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

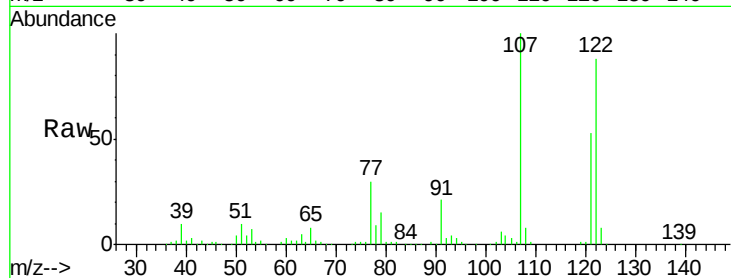
Tot Ion:122 Resp: 217696

Ion Ratio Lower Upper

122 100

107 113.6 91.2 136.8

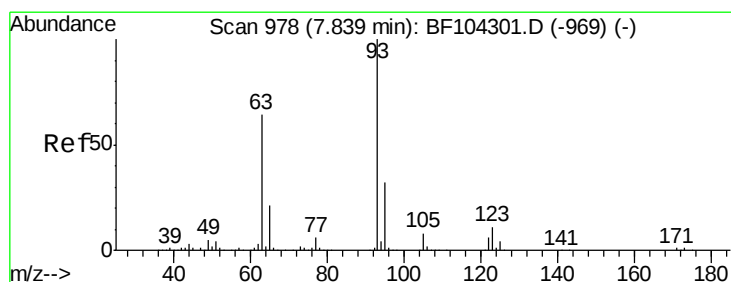
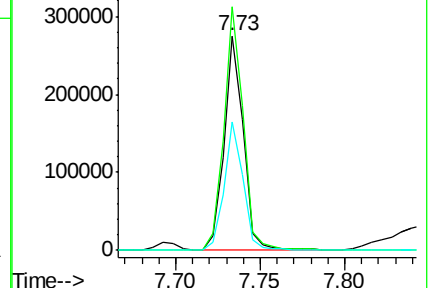
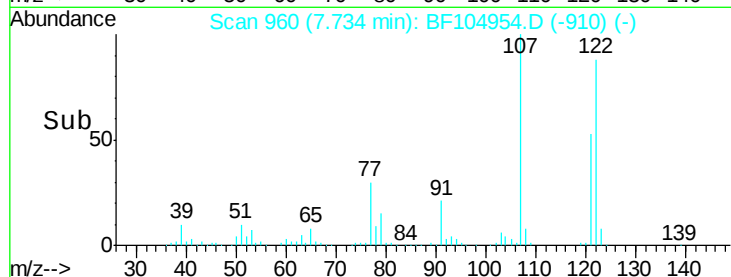
121 59.7 47.2 70.8



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: 34.98 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

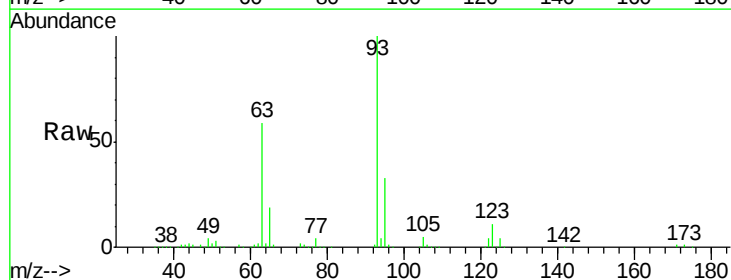
Tgt Ion: 93 Resp: 316771

Ion Ratio Lower Upper

93 100

95 32.9 26.3 39.5

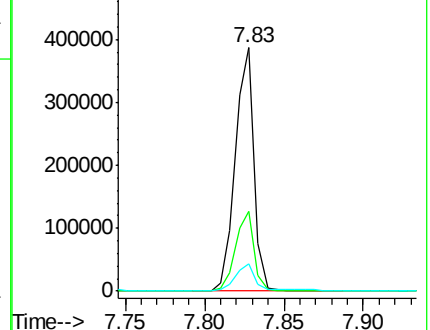
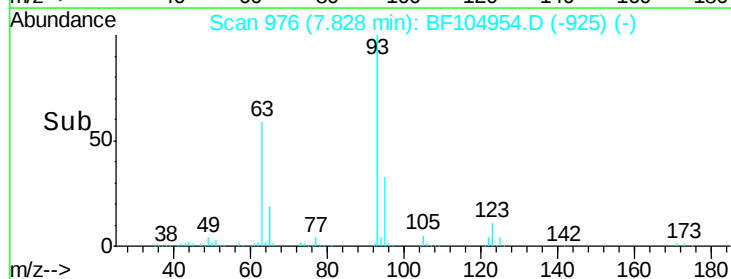
123 11.3 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

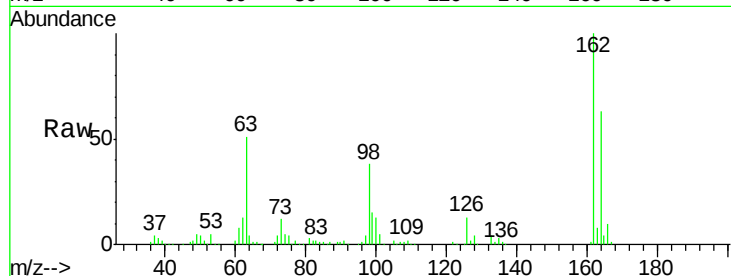




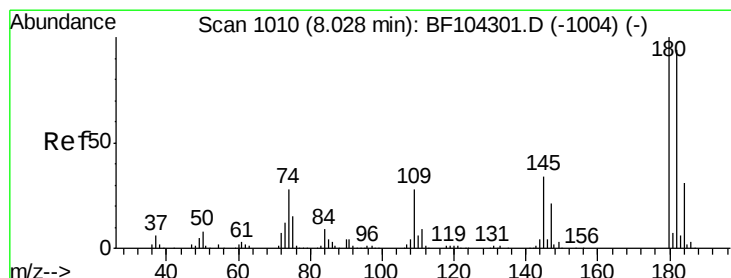
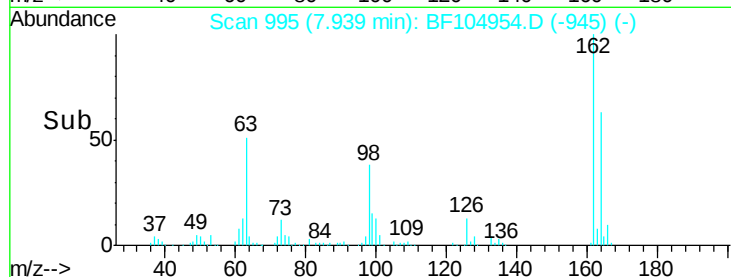
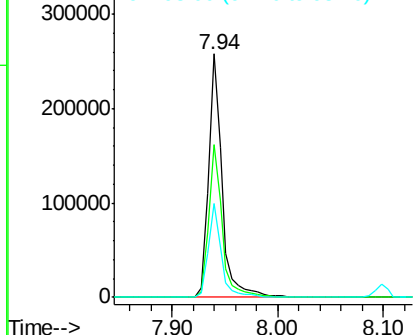
#29  
 2,4-Dichlorophenol  
 Concen: 36.65 ng  
 RT: 7.94 min Scan# 995  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.8  | 42.7  | 82.7  |
| 98      | 38.4  | 18.1  | 58.1  |

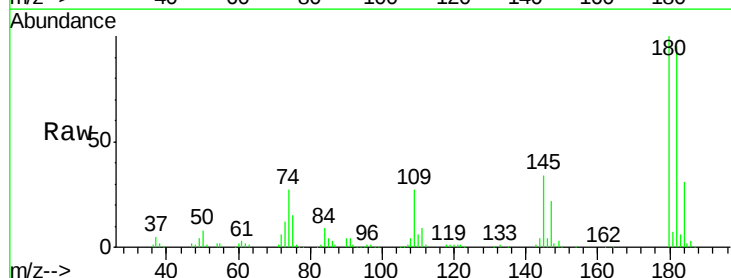


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

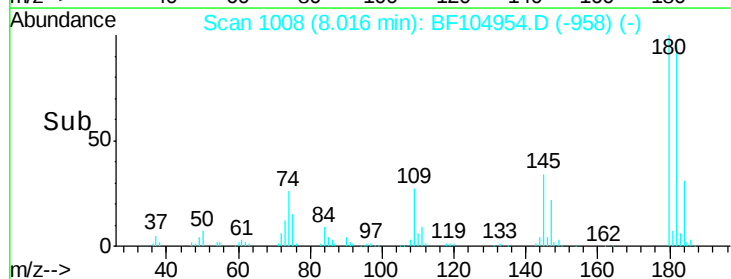
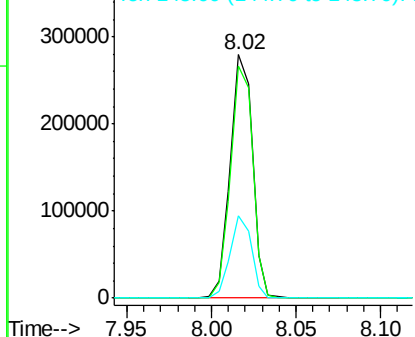


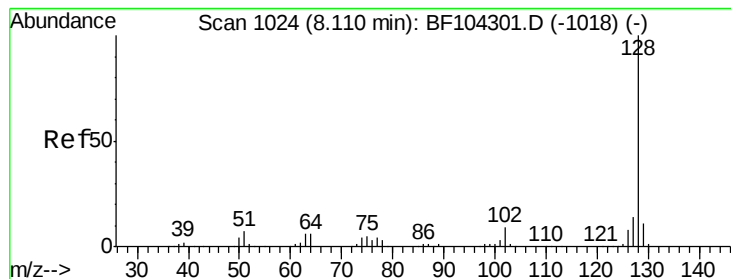
#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.37 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 76.8  | 115.2 |
| 145     | 33.7  | 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: 35.81 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampled :

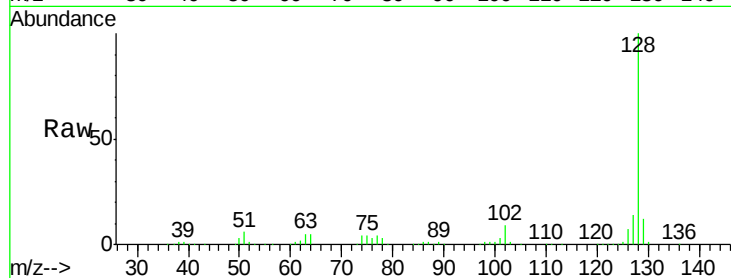
Tot Ion:128 Resp: 815494

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

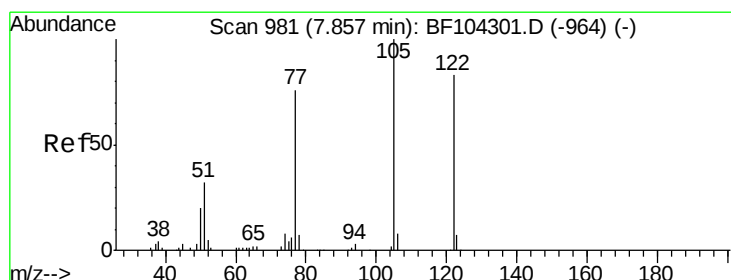
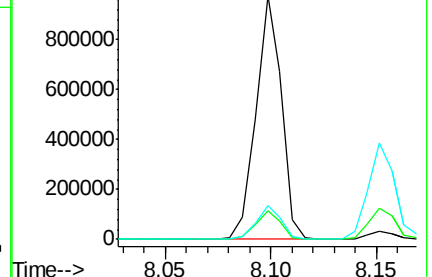
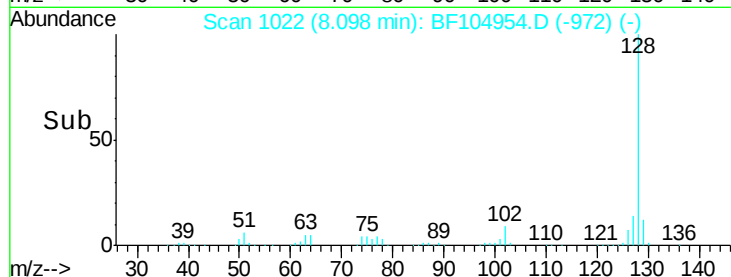
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 22.13 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.04 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

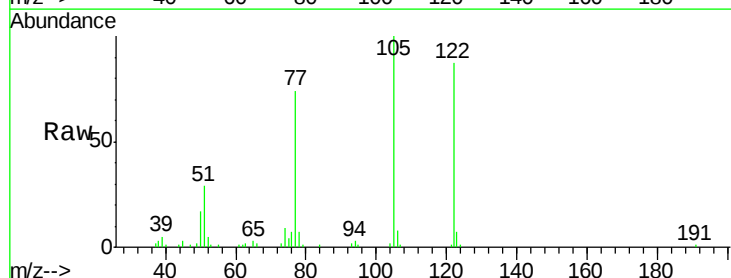
Tgt Ion:122 Resp: 115403

Ion Ratio Lower Upper

122 100

105 114.6 101.1 141.1

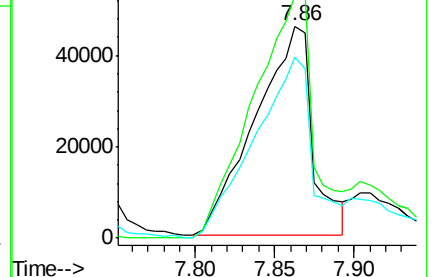
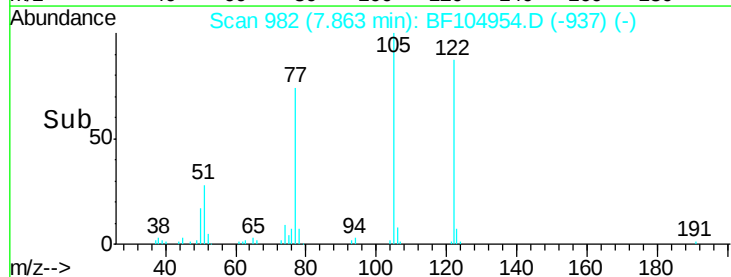
77 85.2 70.7 110.7

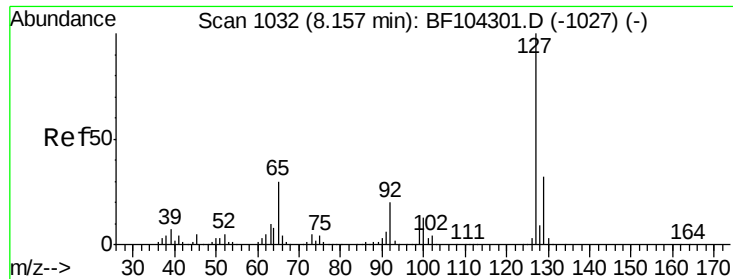


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

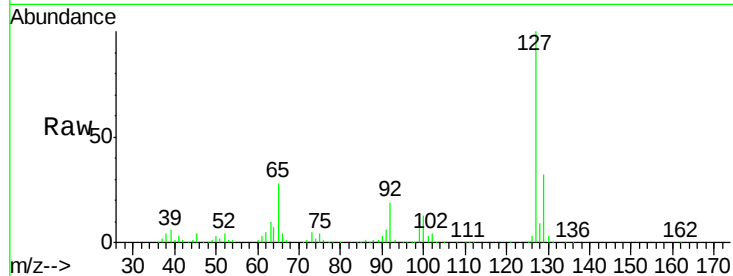




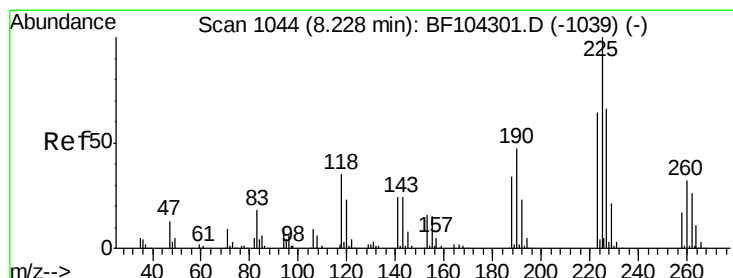
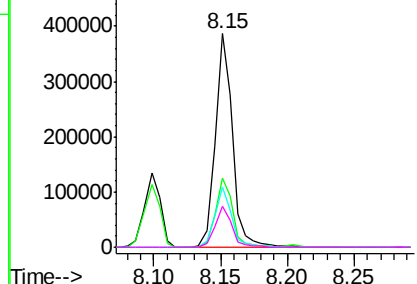
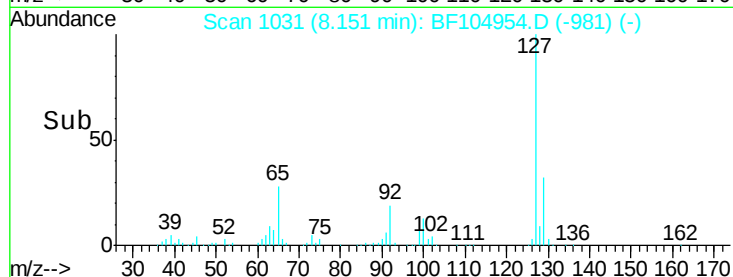
#33  
4-Chloroaniline  
Concen: 35.89 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 350152 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 25.9  | 38.9   |
| 65       | 28.4  | 25.0  | 37.4   |
| 92       | 19.1  | 15.2  | 22.8   |

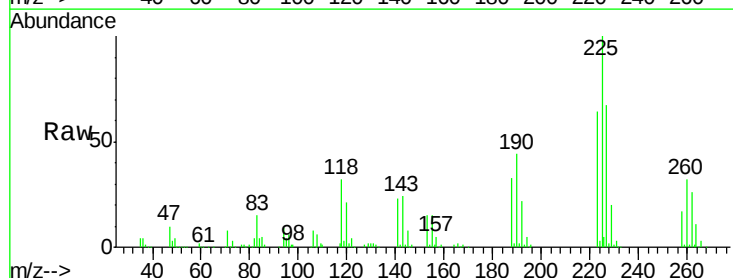


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

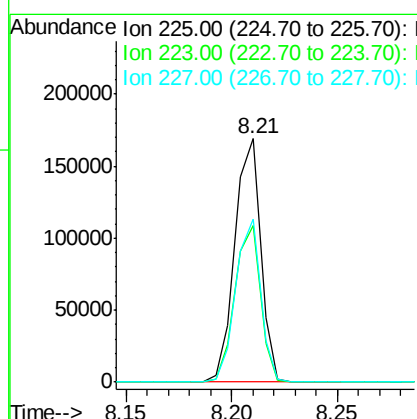
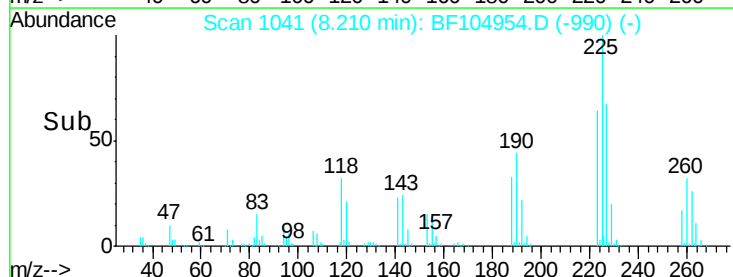


#34  
Hexachlorobutadiene  
Concen: 38.08 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 142759 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.3  | 50.6  | 76.0   |
| 227      | 66.7  | 51.9  | 77.9   |



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





#35

Caprolactam

Concen: 33.13 ng

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

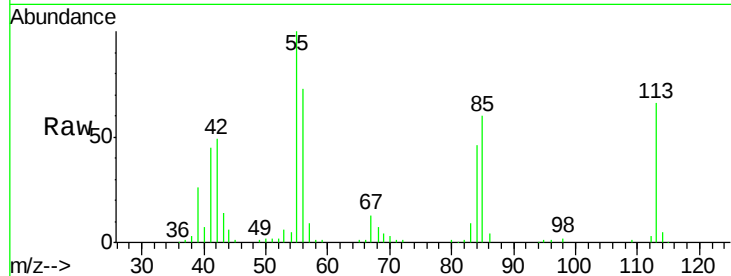
Tot Ion:113 Resp: 72084

Ion Ratio Lower Upper

113 100

55 151.7 163.3 203.3#

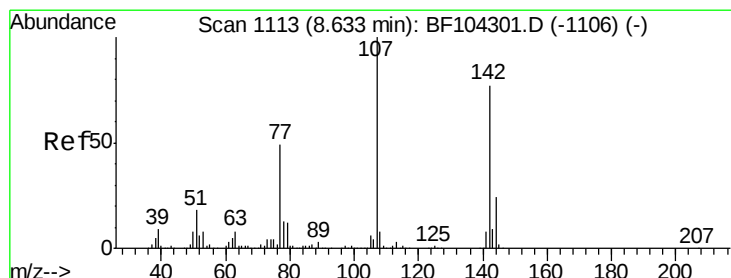
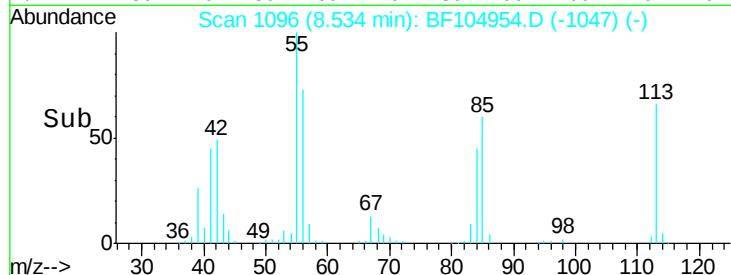
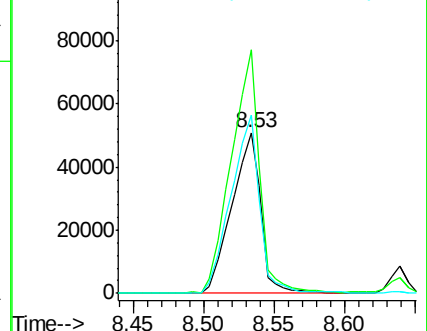
56 110.9 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 35.19 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

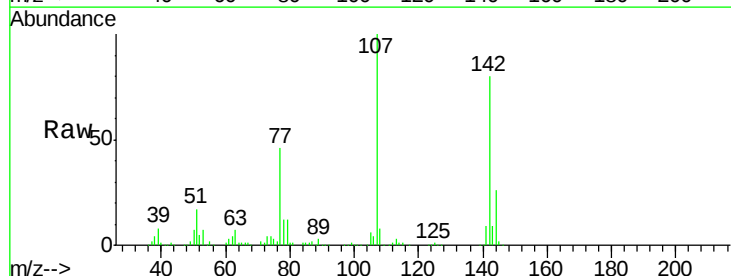
Tgt Ion:107 Resp: 235347

Ion Ratio Lower Upper

107 100

144 25.7 20.5 30.7

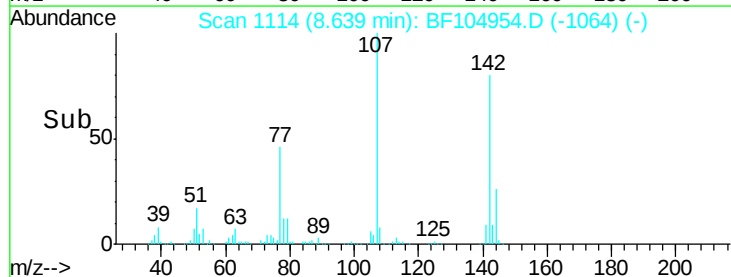
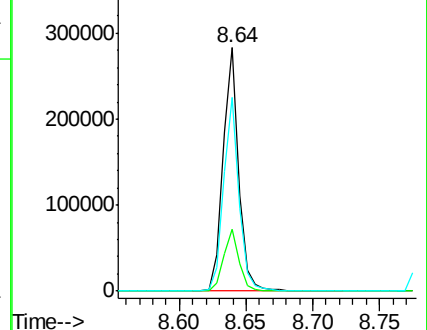
142 79.8 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

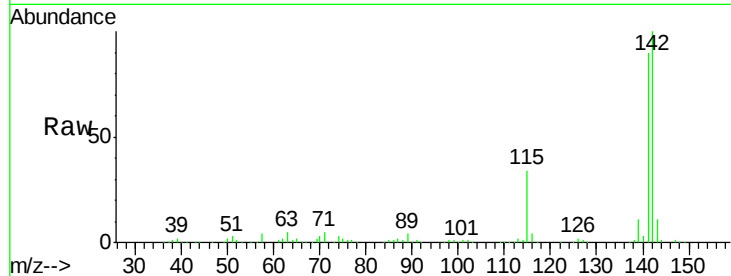




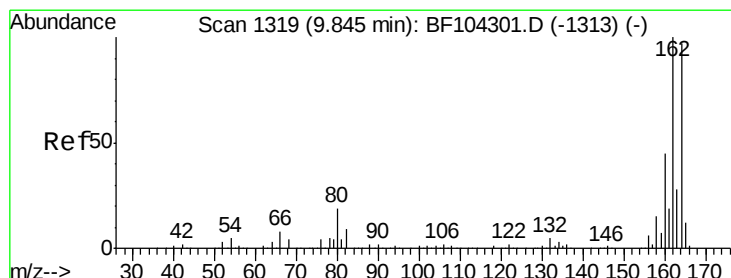
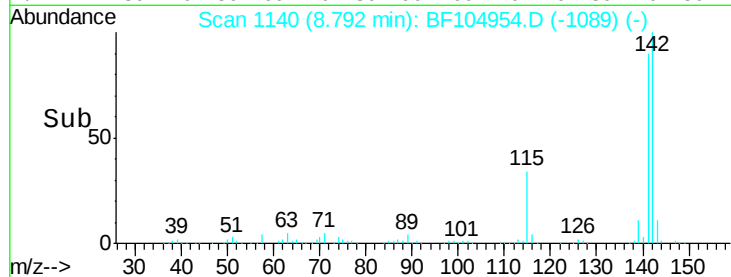
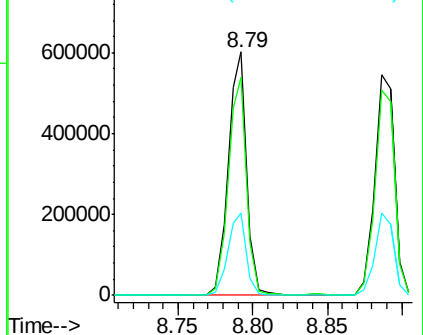
#37  
2-Methylnaphthalene  
Concen: 35.66 ng  
RT: 8.79 min Scan# 1140  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.8  | 70.8  | 106.2 |
| 115     | 34.0  | 26.1  | 39.1  |

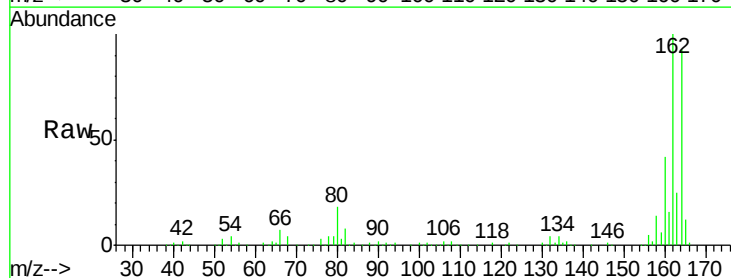


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

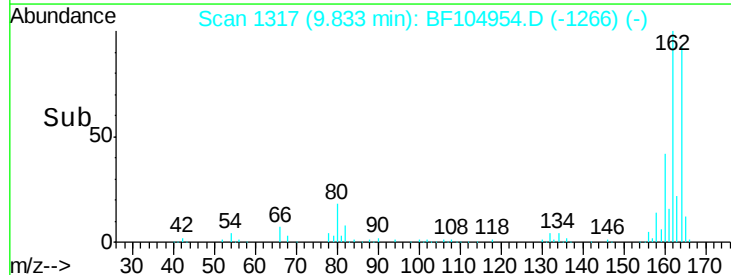
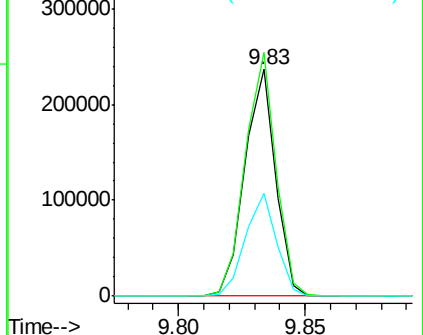


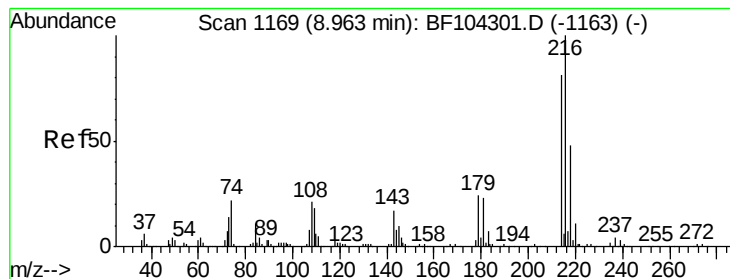
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.6 | 86.1  | 129.1 |
| 160     | 45.4  | 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: 40.93 ng

RT: 8.96 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 233009

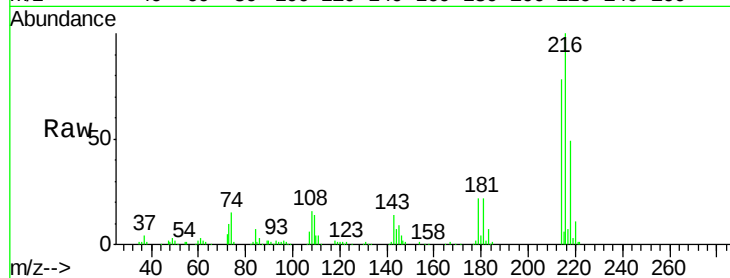
Ion Ratio Lower Upper

216 100

214 79.6 63.0 94.4

179 22.7 18.1 27.1

108 18.1 17.2 25.8

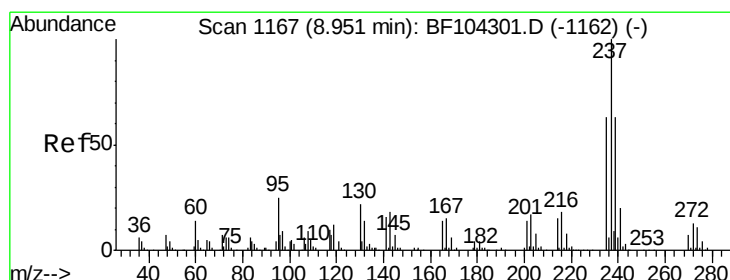
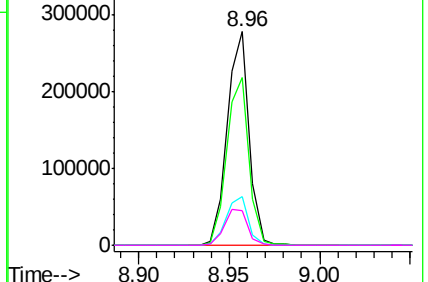
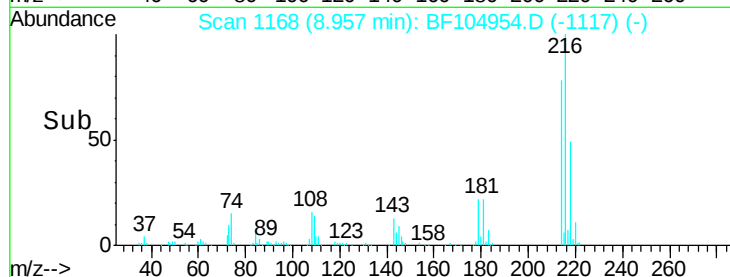


Abundance Ion 216.00 (215.70 to 216.70): E

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: 2.85 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

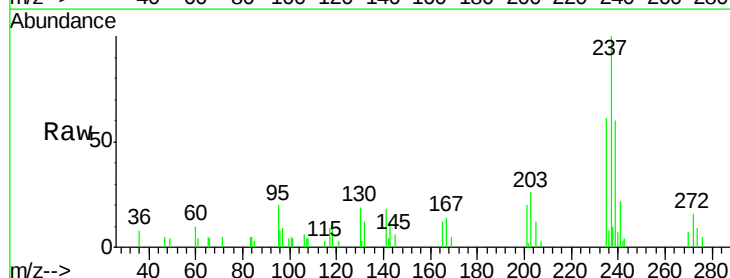
Tgt Ion:237 Resp: 9074

Ion Ratio Lower Upper

237 100

235 61.3 44.8 84.8

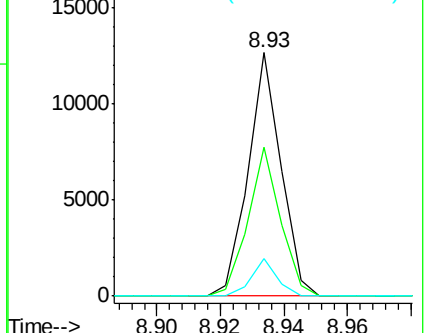
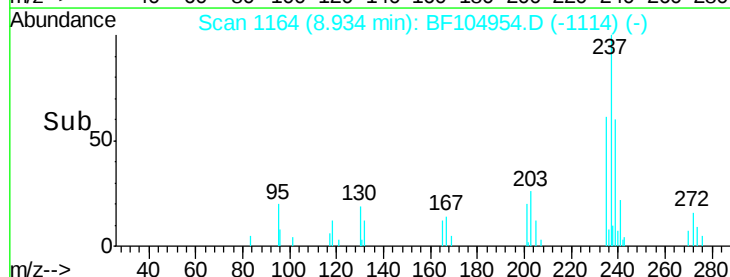
272 15.6 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

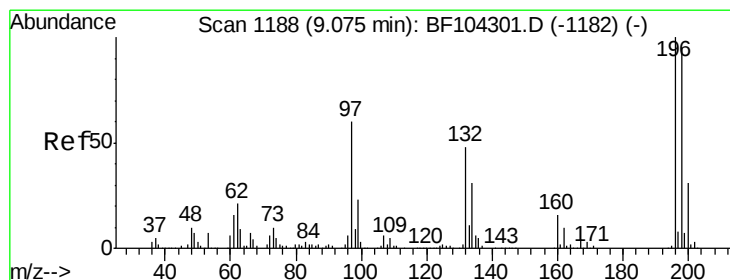
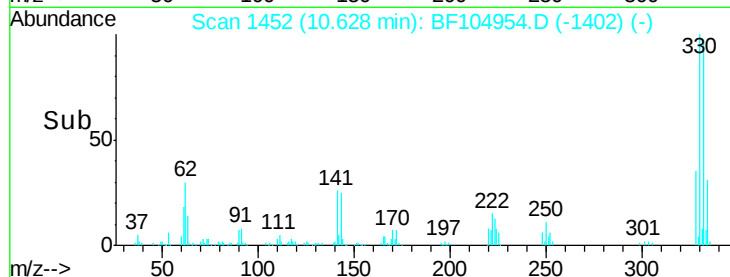
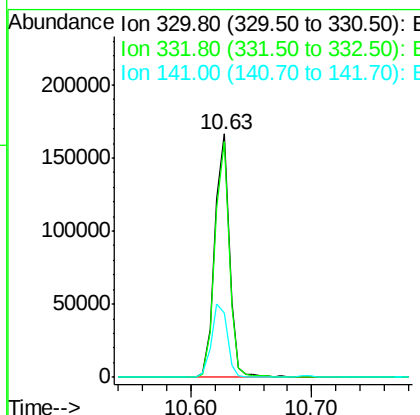
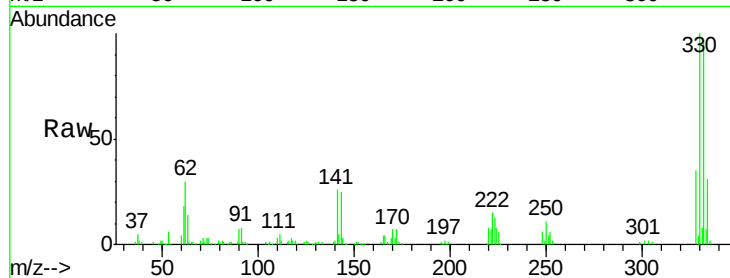




#41  
 2,4,6-Tribromophenol  
 Concen: 67.01 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

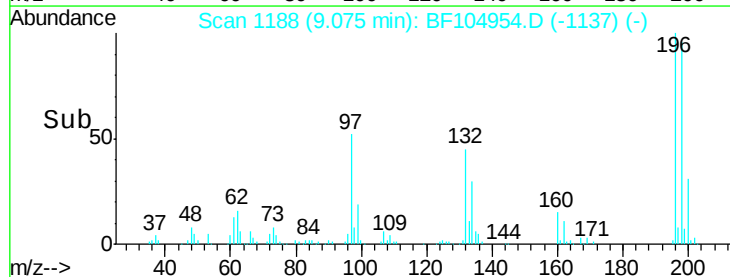
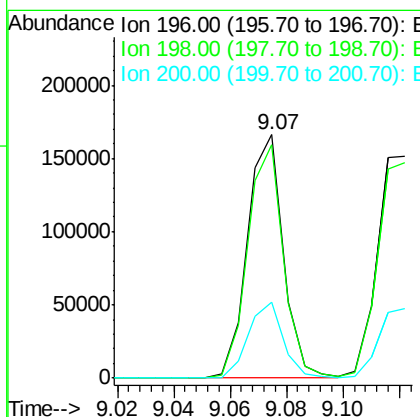
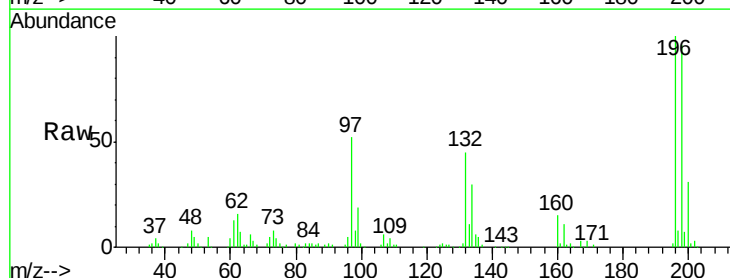
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | 330    | 332   | 141  |
|---------|--------|-------|------|
| Resp    | 138245 |       |      |
| Ratio   | 100    | 95.7  | 32.3 |
| Lower   |        | 77.0  | 29.9 |
| Upper   |        | 115.6 | 44.9 |



#42  
 2,4,6-Trichlorophenol  
 Concen: 37.08 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

| Tgt Ion | 196    | 198   | 200  |
|---------|--------|-------|------|
| Resp    | 146557 |       |      |
| Ratio   | 100    | 96.0  | 31.1 |
| Lower   |        | 75.7  | 24.5 |
| Upper   |        | 113.5 | 36.7 |

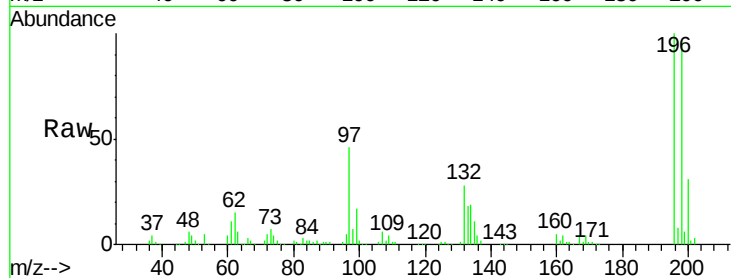




#43  
 2,4,5-Trichlorophenol  
 Concen: 37.42 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.4  | 74.6  | 112.0 |
| 97      | 45.9  | 42.9  | 64.3  |
| 132     | 28.4  | 26.3  | 39.5  |



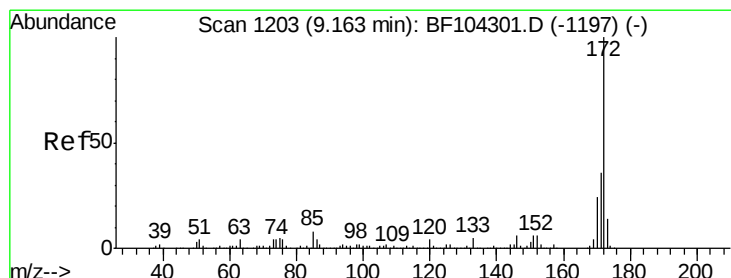
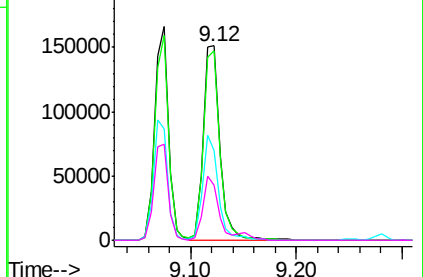
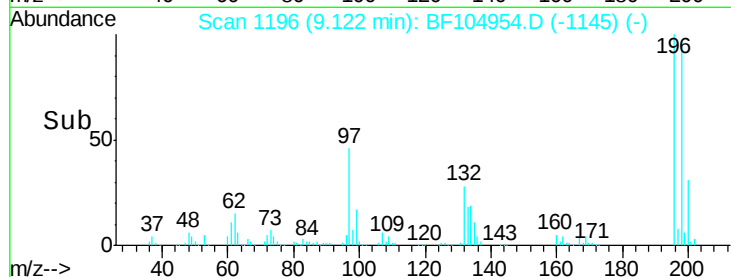
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

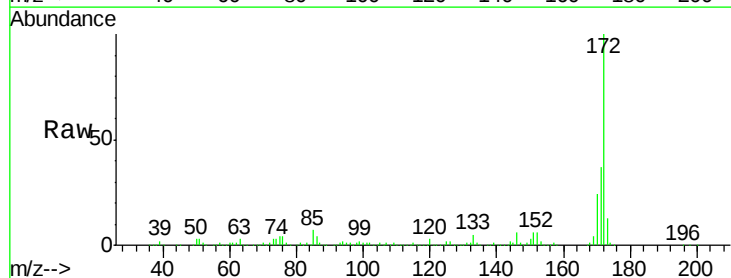
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 78.37 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |

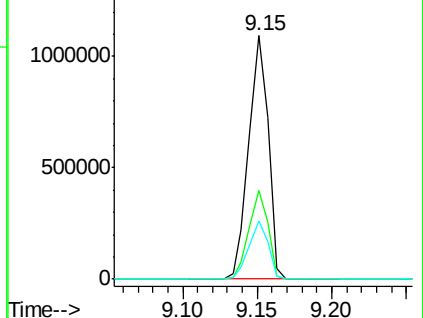
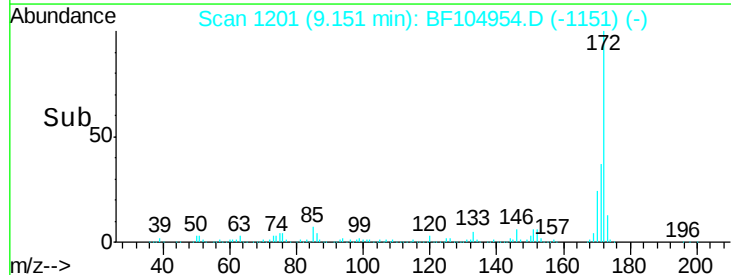


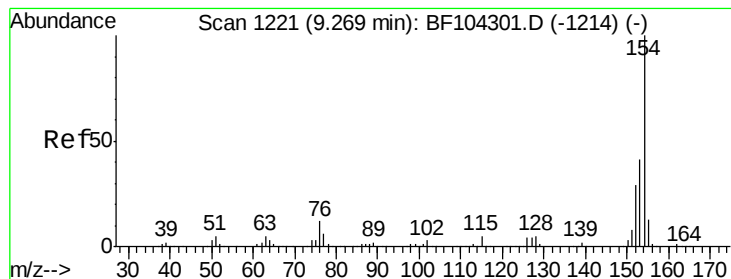
Abundance

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: 38.26 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

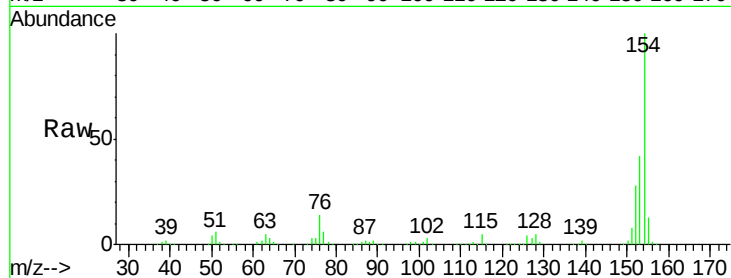
Tot Ion:154 Resp: 639277

Ion Ratio Lower Upper

154 100

153 41.6 21.3 61.3

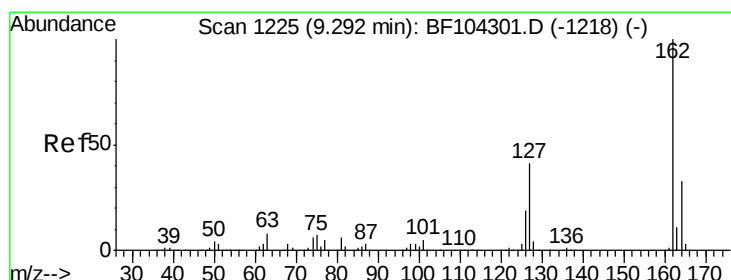
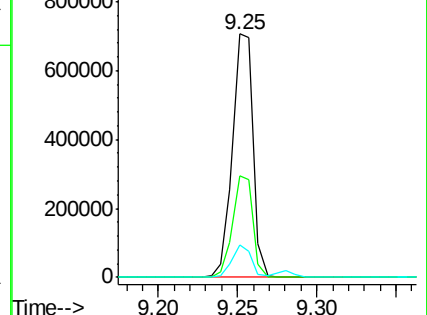
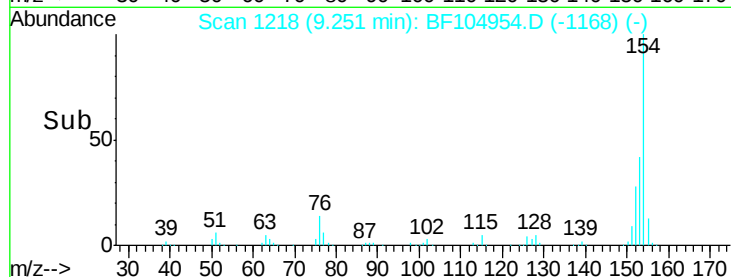
76 13.5 0.0 34.0



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: 38.03 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

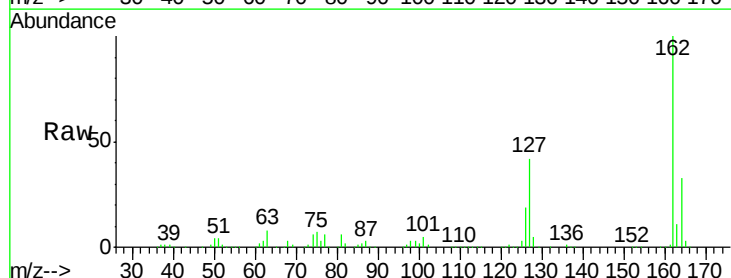
Tgt Ion:162 Resp: 501834

Ion Ratio Lower Upper

162 100

127 41.5 33.9 50.9

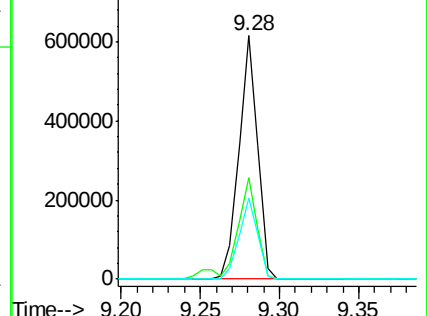
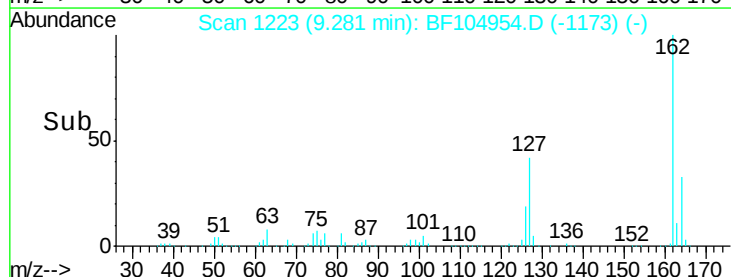
164 33.2 26.5 39.7



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

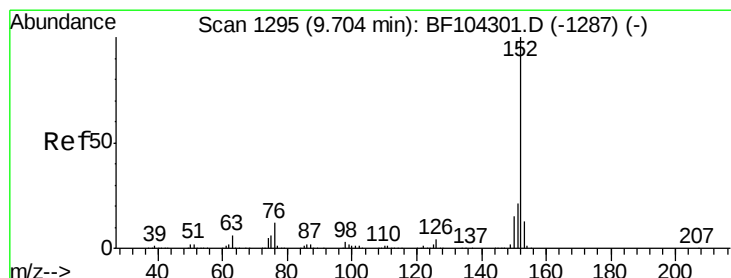
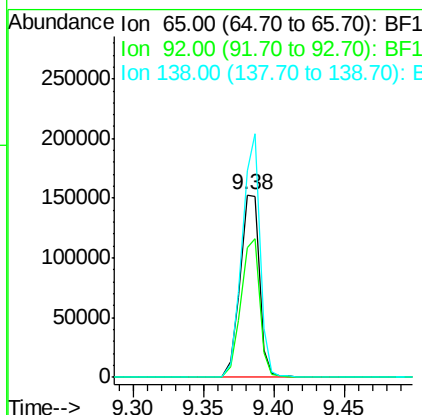
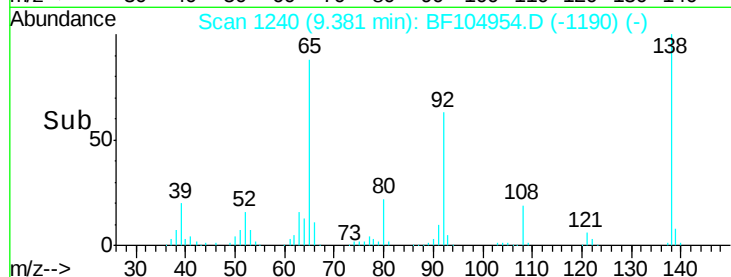
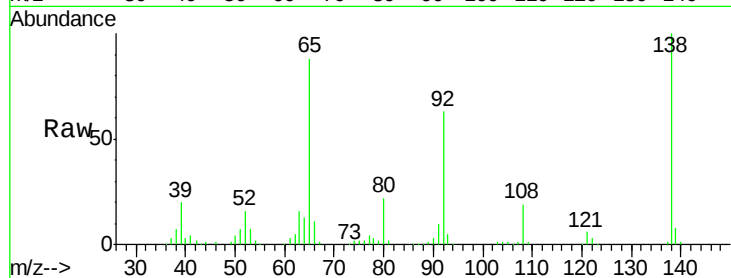




#47  
 2-Nitroaniline  
 Concen: 45.05 ng  
 RT: 9.38 min Scan# 1240  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

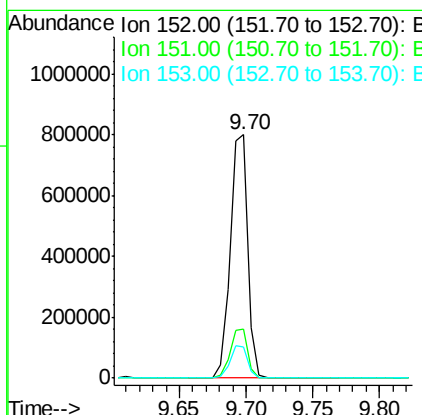
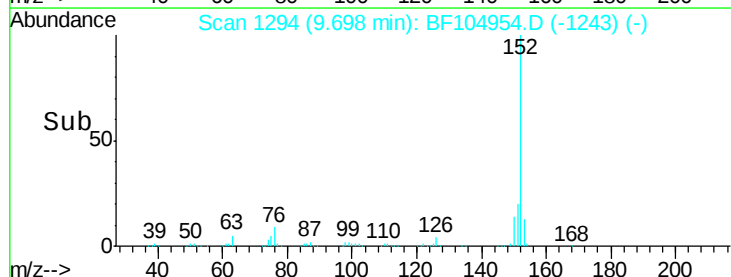
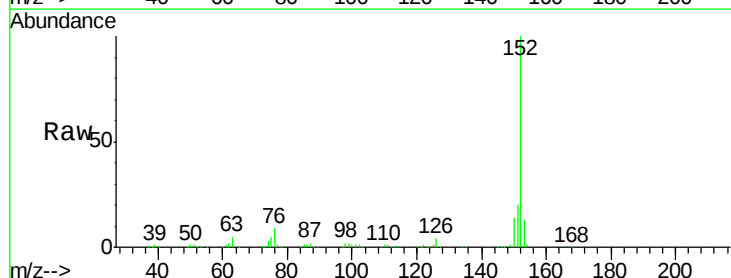
Instrument :  
 BNA\_F  
 ClientSampleId :

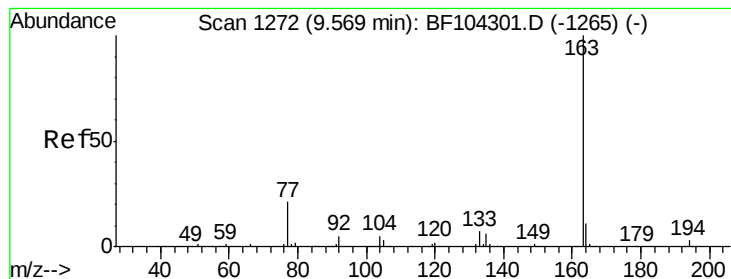
Tot Ion: 65 Resp: 147018  
 Ion Ratio Lower Upper  
 65 100  
 92 71.0 55.8 83.6  
 138 113.5 91.2 136.8



#48  
 Acenaphthylene  
 Concen: 35.92 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion: 152 Resp: 743704  
 Ion Ratio Lower Upper  
 152 100  
 151 20.3 16.3 24.5  
 153 13.0 10.7 16.1





#49

Dimethylphthalate

Concen: 38.51 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

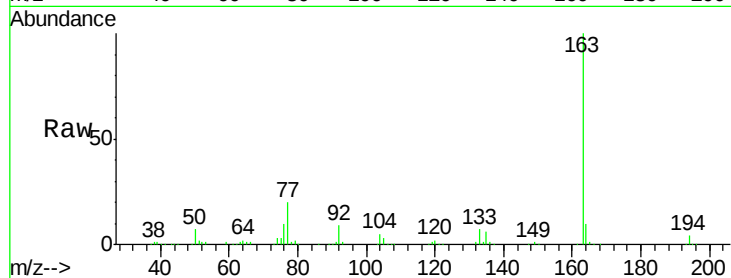
Tot Ion:163 Resp: 603898

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

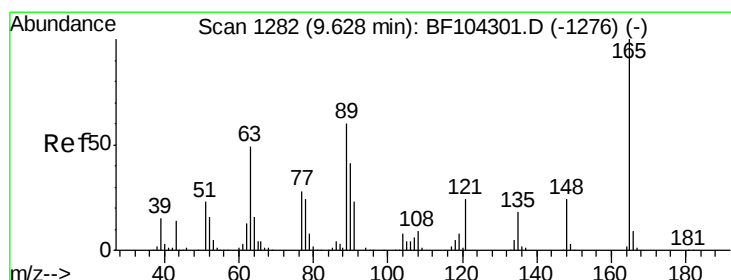
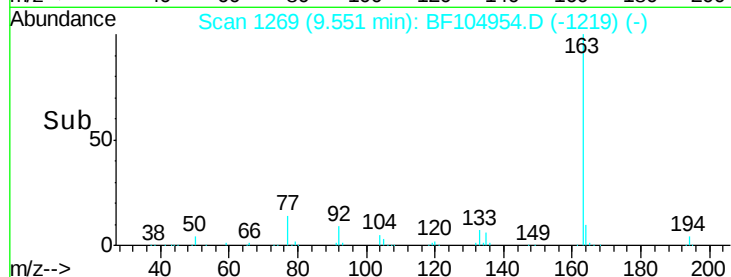
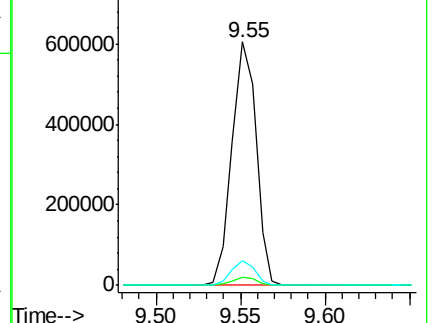
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.18 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

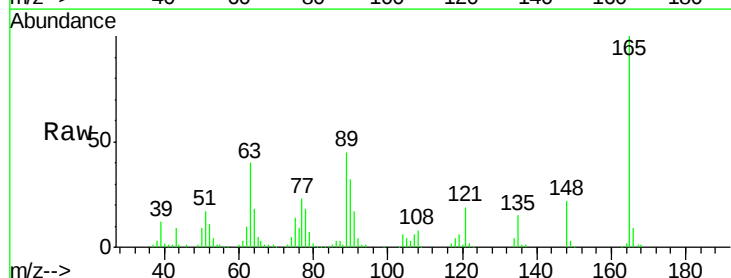
Tgt Ion:165 Resp: 122399

Ion Ratio Lower Upper

165 100

63 40.0 44.7 67.1#

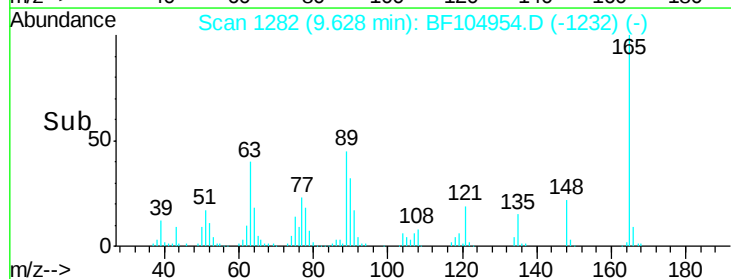
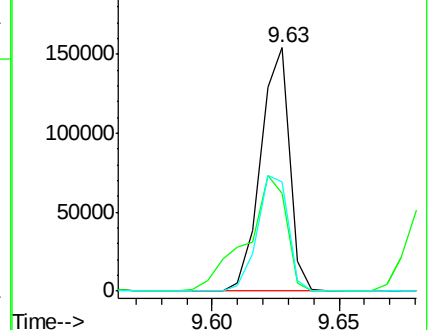
89 44.6 44.0 66.0

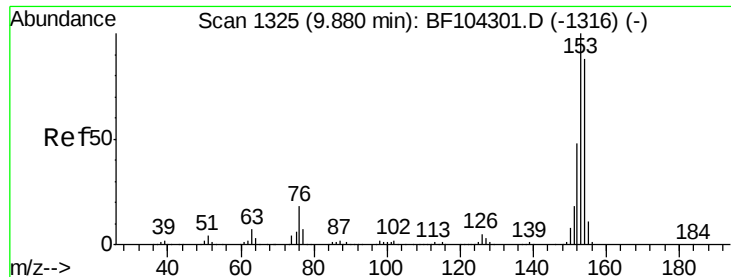


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 34.57 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

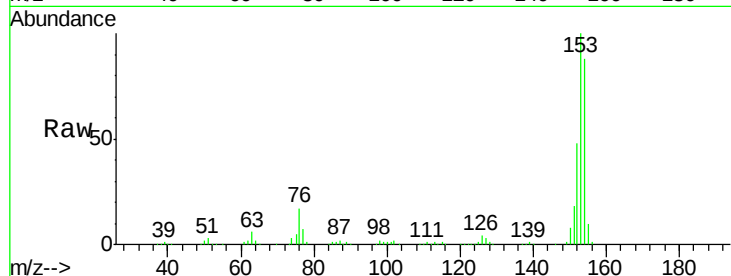
Tot Ion:154 Resp: 436699

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

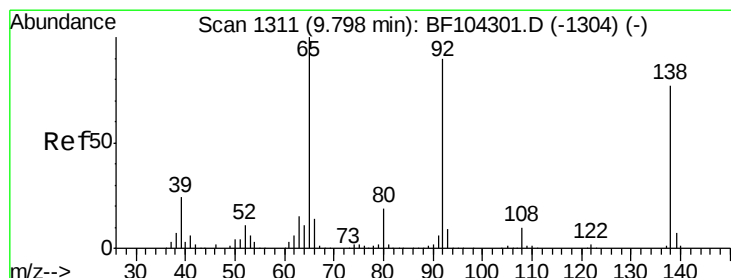
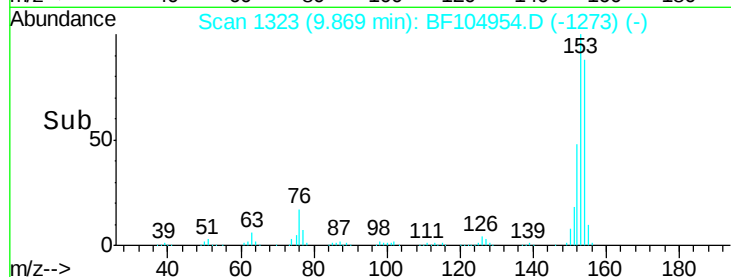
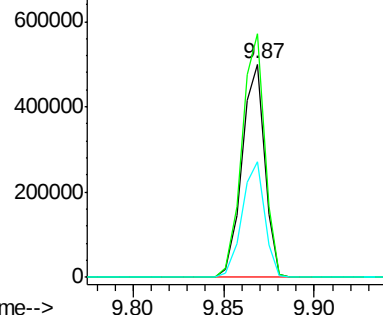
152 54.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 43.24 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

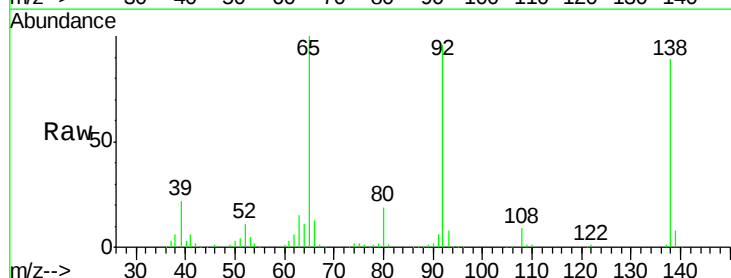
Tgt Ion:138 Resp: 146898

Ion Ratio Lower Upper

138 100

108 10.2 9.4 14.0

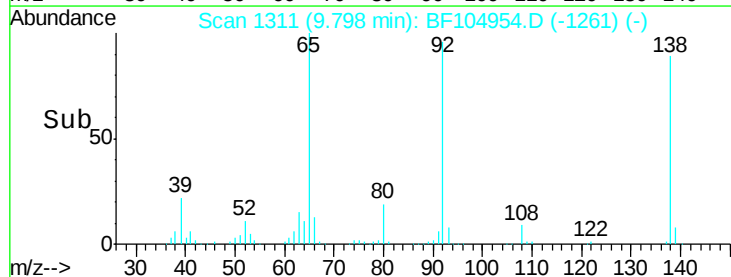
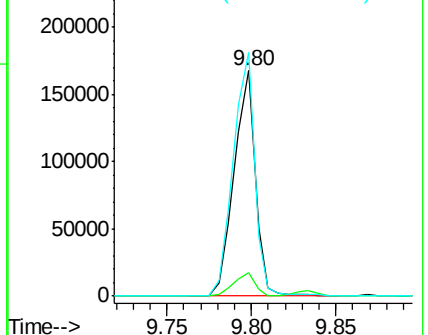
92 107.9 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

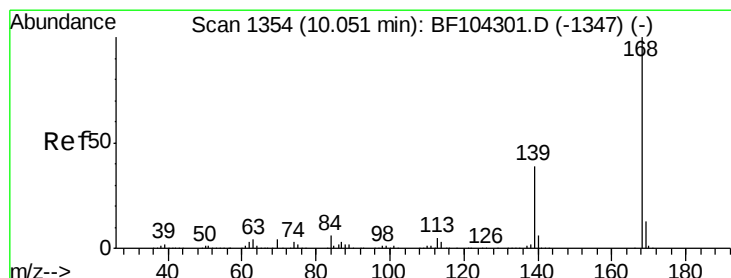
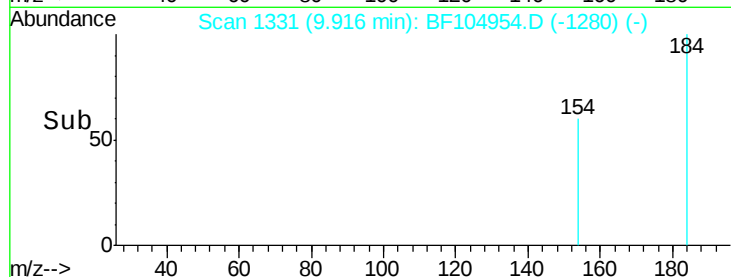
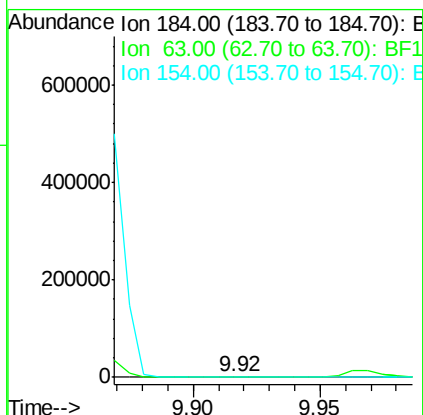
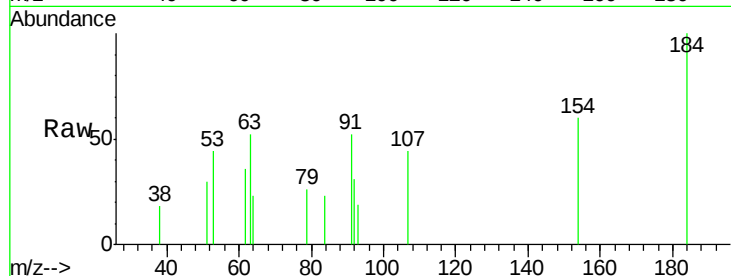




#53  
2,4-Dinitrophenol  
Concen: 8.22 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

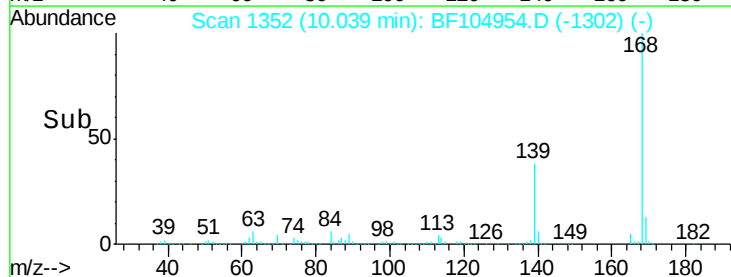
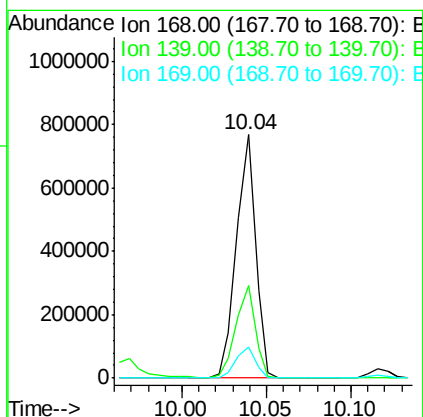
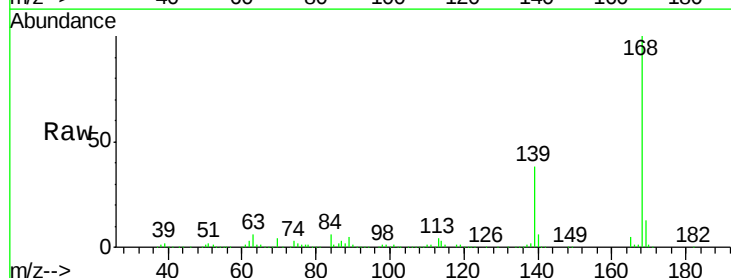
Instrument :  
BNA\_F  
ClientSampleId :

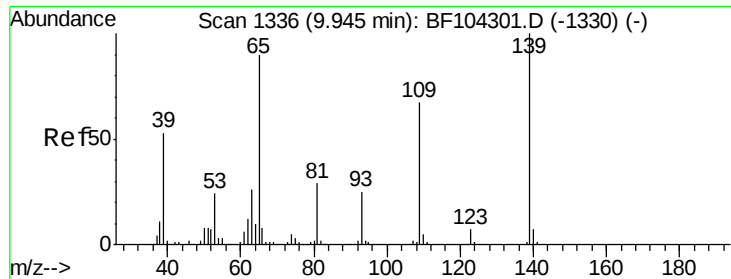
Tot Ion:184 Resp: 2491  
Ion Ratio Lower Upper  
184 100  
63 51.7 54.2 81.2#  
154 60.3 184.0 276.0#



#54  
Dibenzofuran  
Concen: 34.73 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:168 Resp: 611349  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.1 45.1  
169 13.1 10.9 16.3





#55

4-Nitrophenol

Concen: 25.68 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

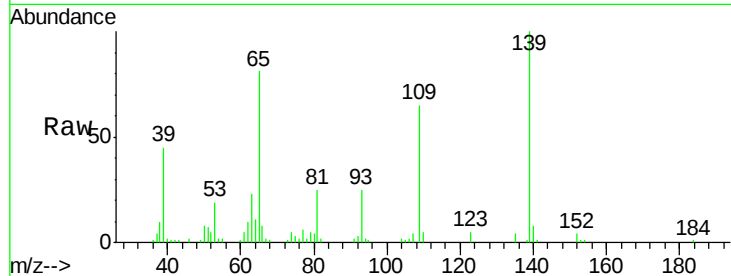
Tot Ion:139 Resp: 68531

Ion Ratio Lower Upper

139 100

109 65.2 48.4 88.4

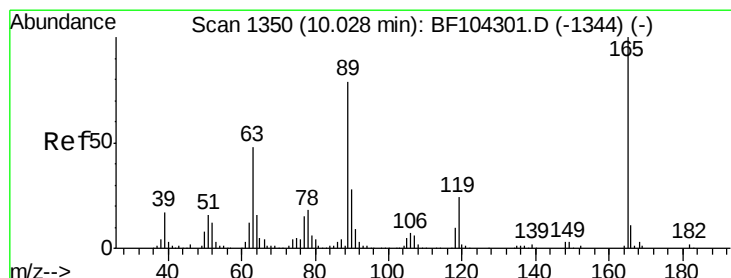
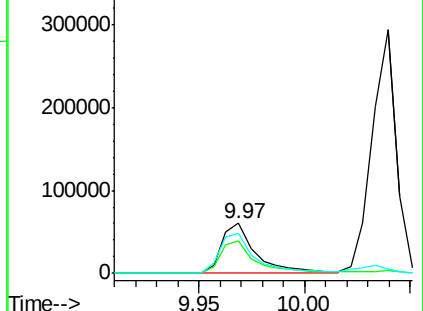
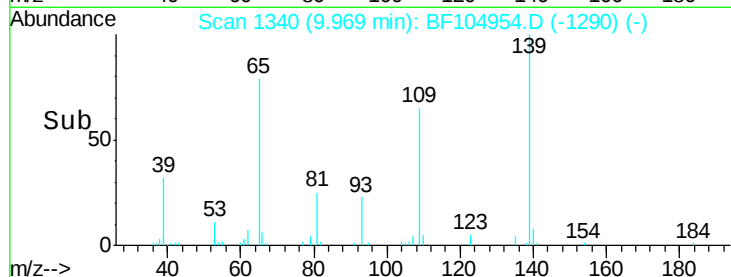
65 81.4 72.6 112.6



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: 37.50 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Tgt Ion:165 Resp: 142744

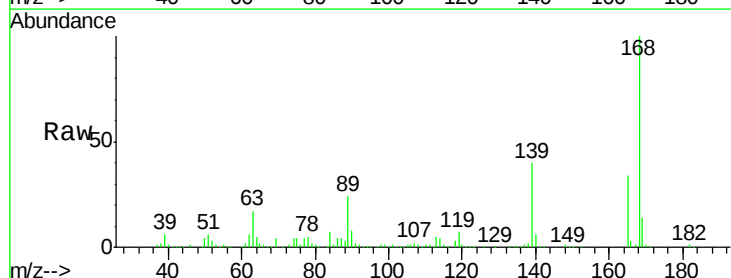
Ion Ratio Lower Upper

165 100

63 51.8 36.4 54.6

89 71.1 57.8 86.6

182 2.5 1.6 2.4#

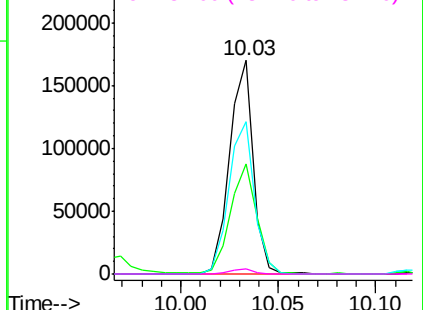
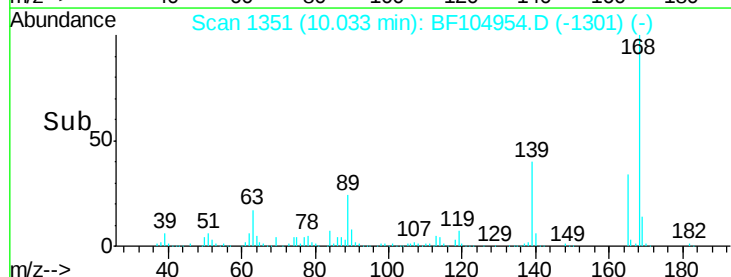


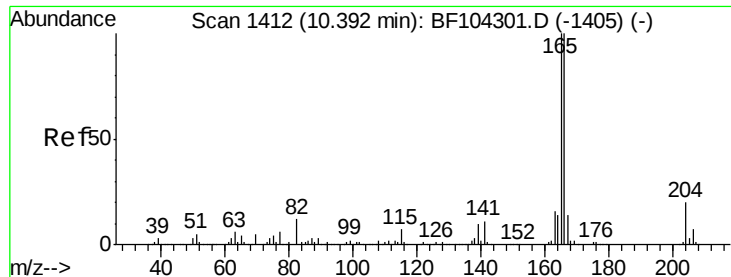
Abundance Ion 165.00 (164.70 to 165.70): E

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

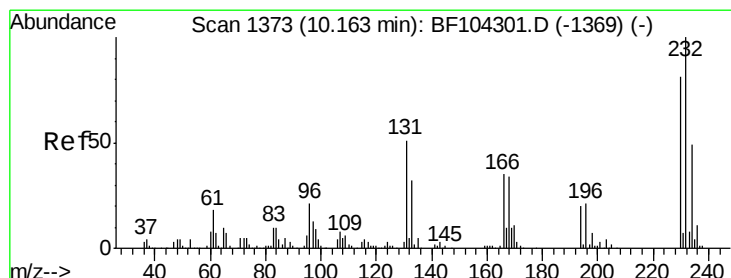
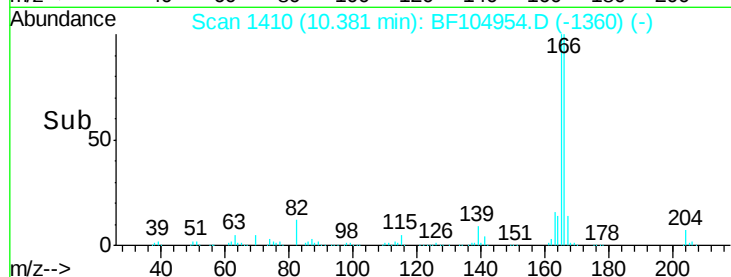
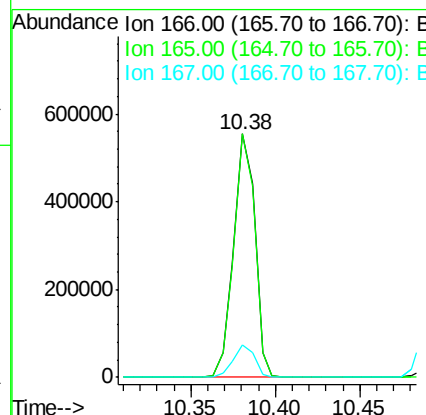
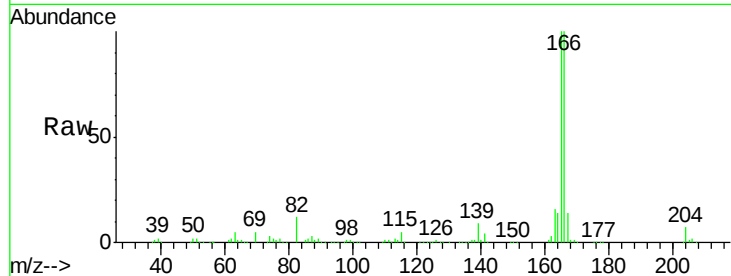




#57  
 Fluorene  
 Concen: 37.96 ng  
 RT: 10.38 min Scan# 1410  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

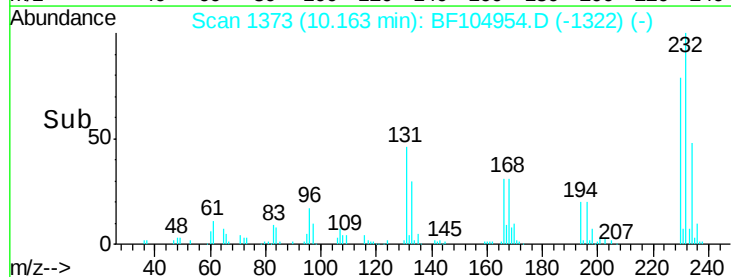
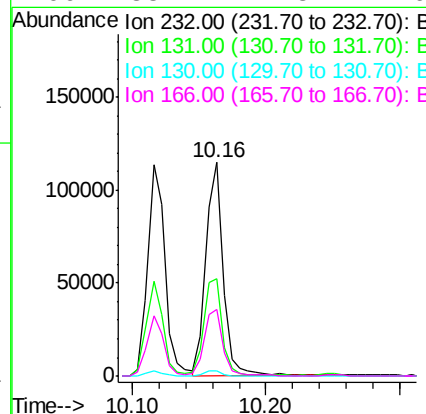
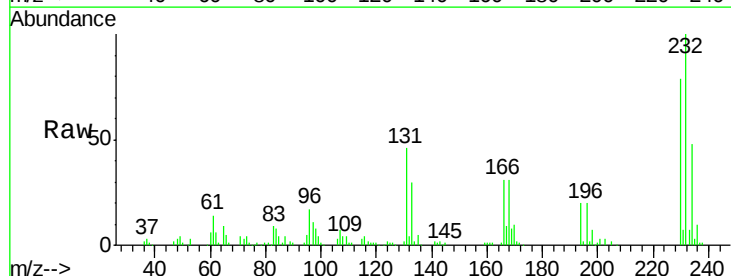
Instrument :  
 BNA\_F  
 ClientSampleId :

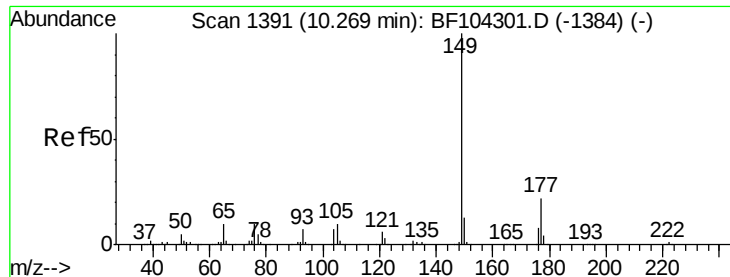
Tot Ion:166 Resp: 486443  
 Ion Ratio Lower Upper  
 166 100  
 165 100.1 79.8 119.8  
 167 13.6 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 31.17 ng  
 RT: 10.16 min Scan# 1373  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion:232 Resp: 102848  
 Ion Ratio Lower Upper  
 232 100  
 131 49.2 43.8 65.8  
 130 2.4 2.1 3.1  
 166 33.7 27.8 41.6

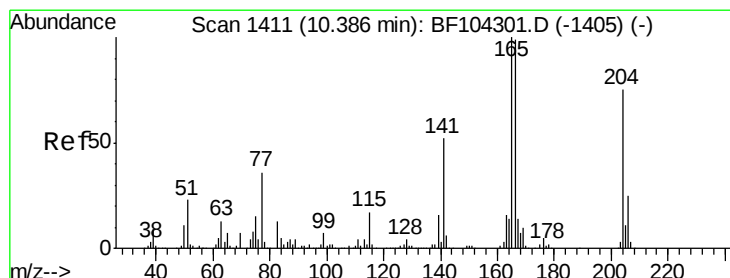
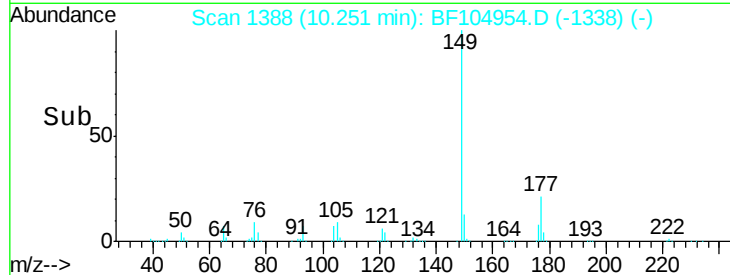
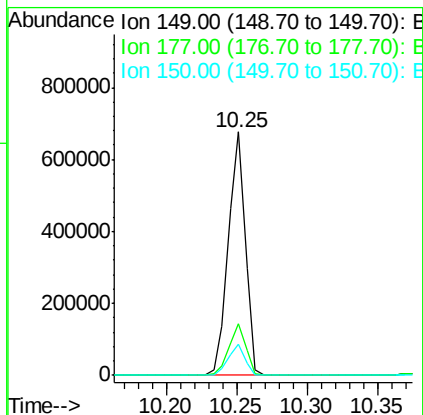
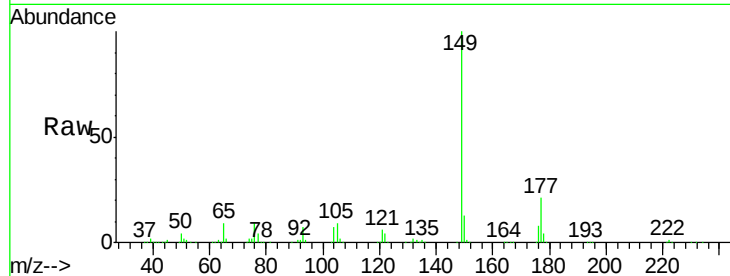




#59  
Diethylphthalate  
Concen: 36.44 ng  
RT: 10.25 min Scan# 1388  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

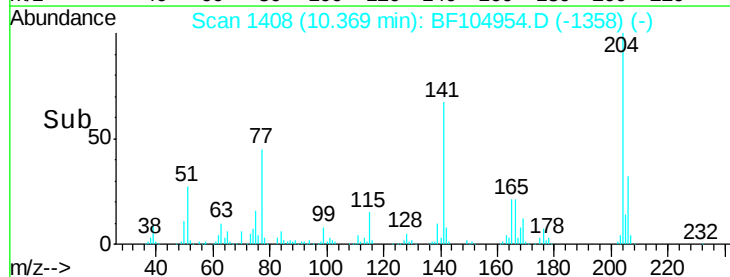
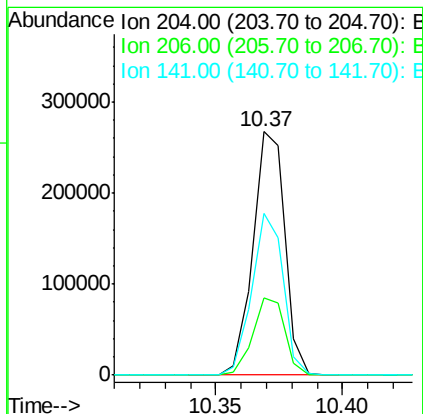
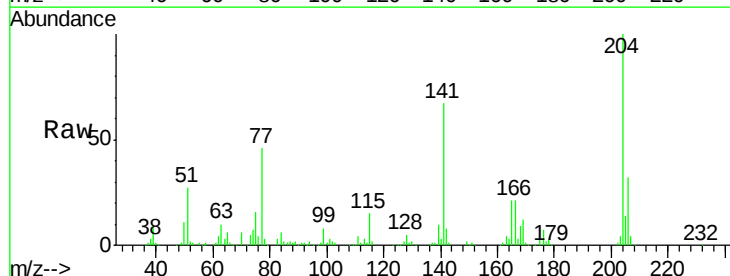
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 569241  
Ion Ratio Lower Upper  
149 100  
177 21.2 16.1 24.1  
150 12.6 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 41.11 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:204 Resp: 234592  
Ion Ratio Lower Upper  
204 100  
206 31.8 26.5 39.7  
141 66.6 54.6 81.8

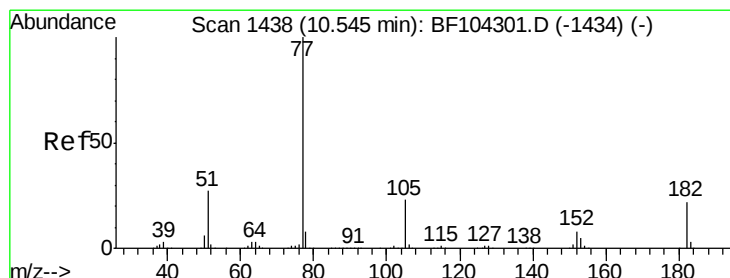
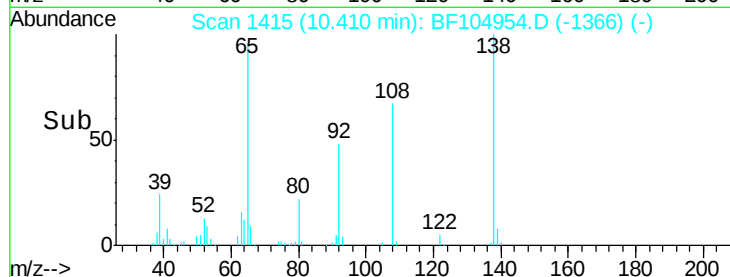
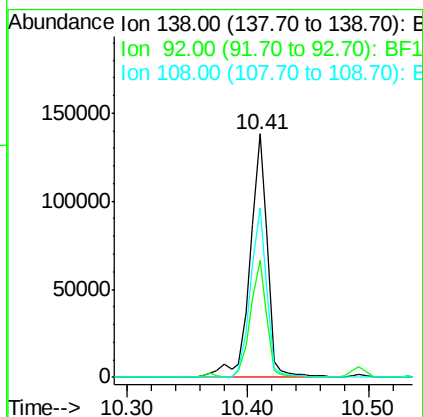
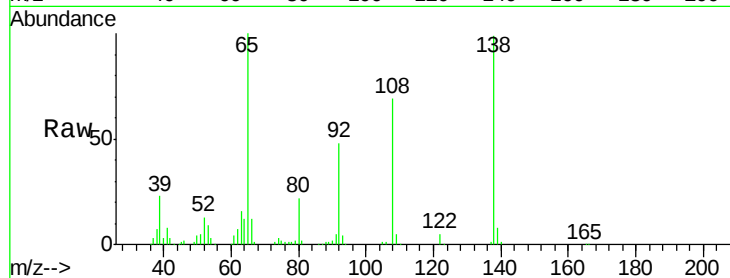




#61  
4-Nitroaniline  
Concen: 41.74 ng  
RT: 10.41 min Scan# 1415  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

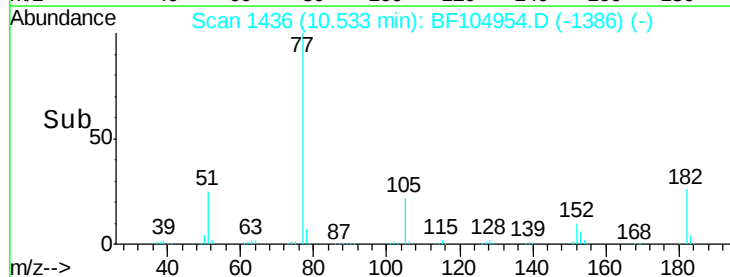
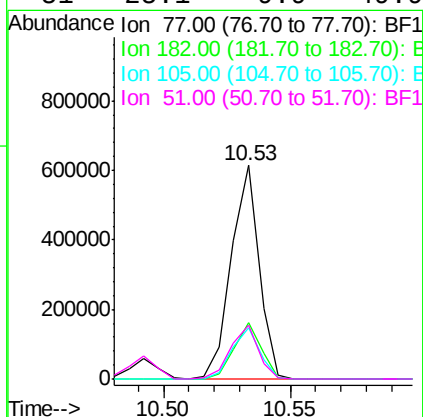
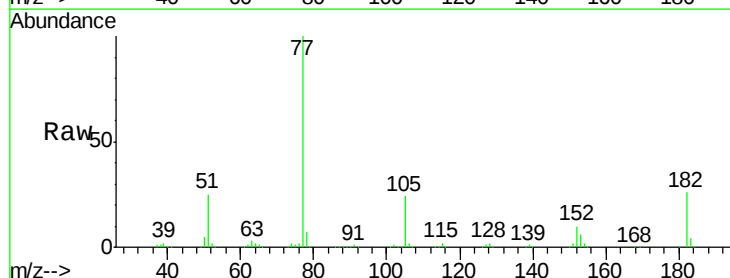
Instrument :  
BNA\_F  
ClientSampleId :

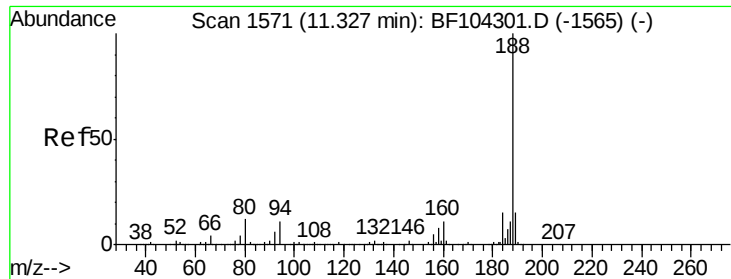
Tot Ion:138 Resp: 138642  
Ion Ratio Lower Upper  
138 100  
92 48.2 30.2 70.2  
108 69.5 52.5 92.5



#62  
Azobenzene  
Concen: 31.33 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion: 77 Resp: 467482  
Ion Ratio Lower Upper  
77 100  
182 26.1 1.7 41.7  
105 24.2 3.0 43.0  
51 25.1 9.9 49.9

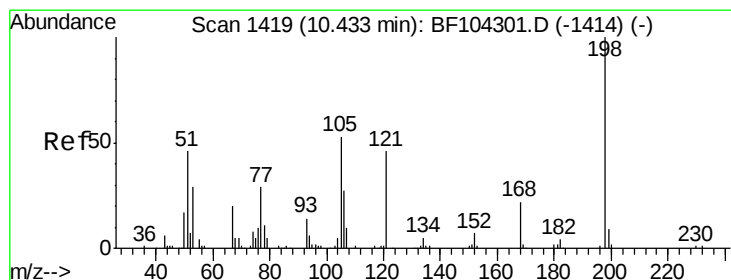
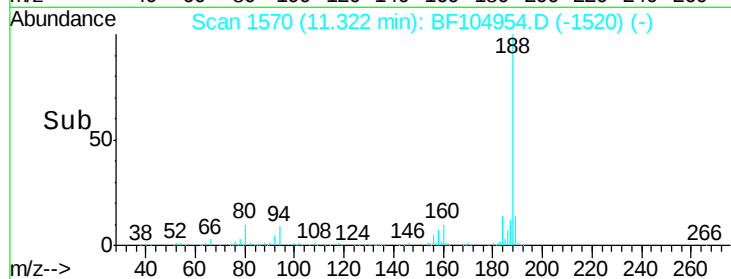
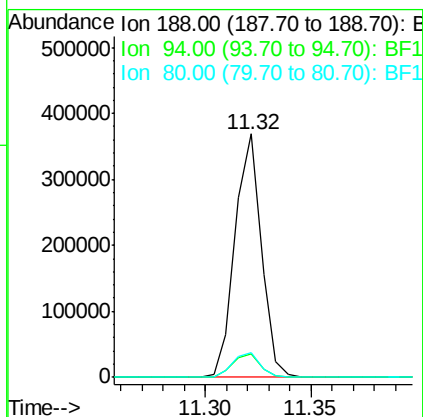
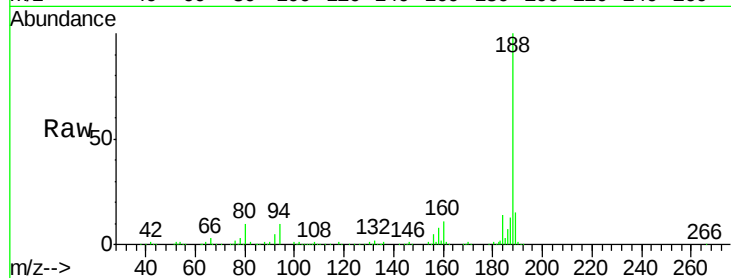




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

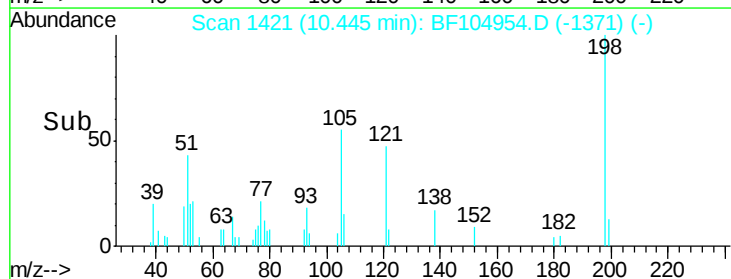
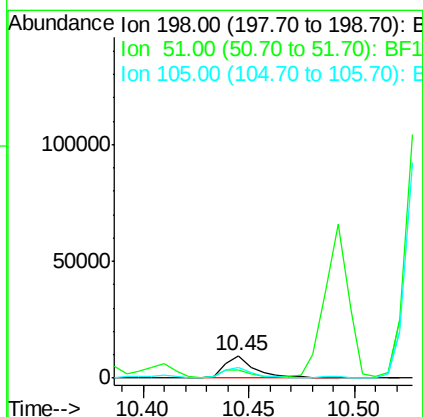
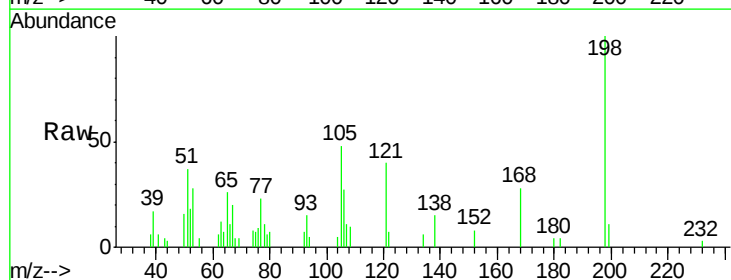
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:188 Resp: 316926  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.5 12.7  
80 10.1 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 12.46 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:198 Resp: 9324  
Ion Ratio Lower Upper  
198 100  
51 37.5 37.7 77.7#  
105 47.8 36.3 76.3

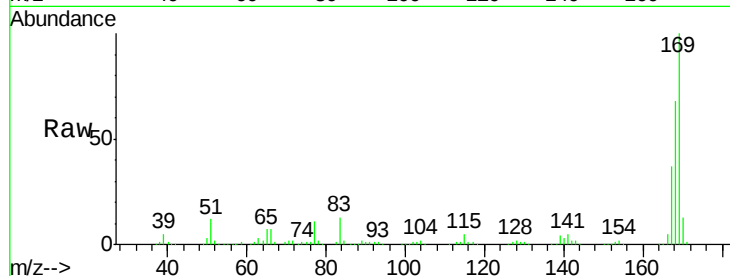




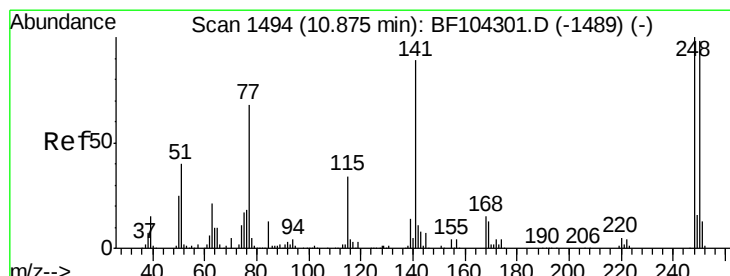
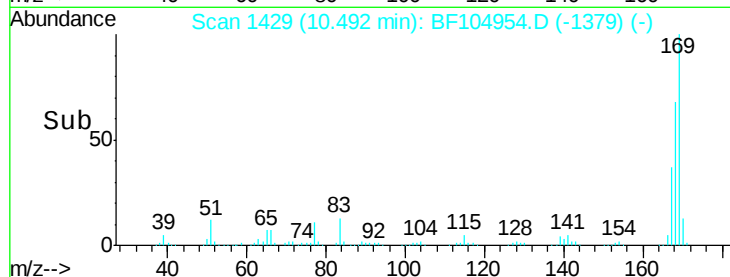
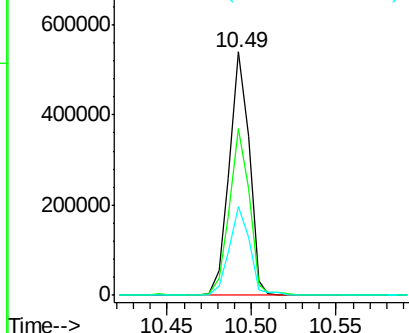
#65  
n-Nitrosodiphenylamine  
Concen: 40.16 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.3  | 54.4  | 81.6  |
| 167     | 36.7  | 29.8  | 44.6  |

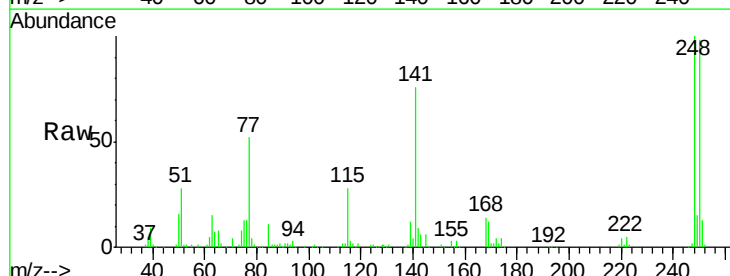


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

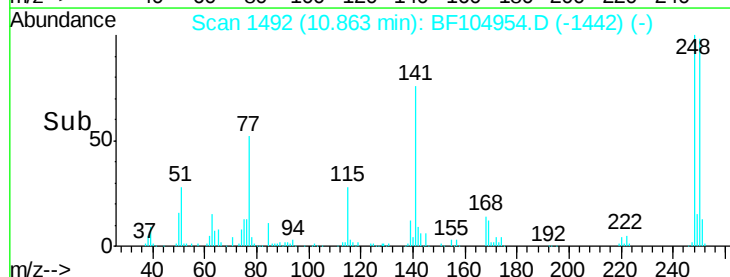
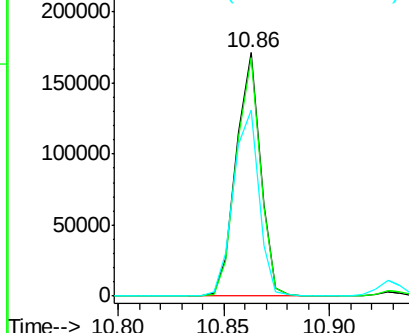


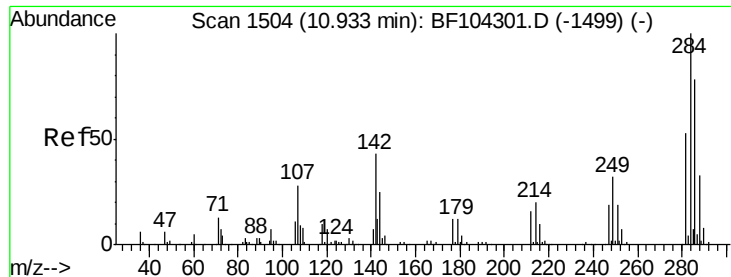
#66  
4-Bromophenyl-phenylether  
Concen: 40.55 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.1  | 76.9  | 115.3 |
| 141     | 76.4  | 74.4  | 111.6 |



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

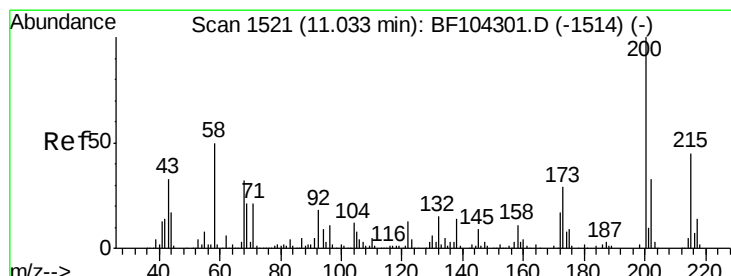
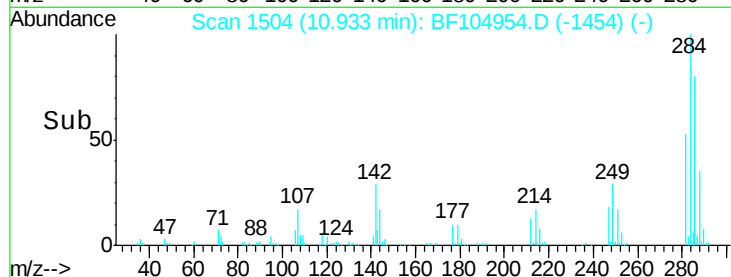
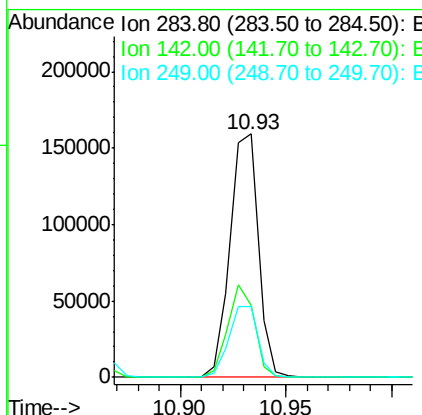
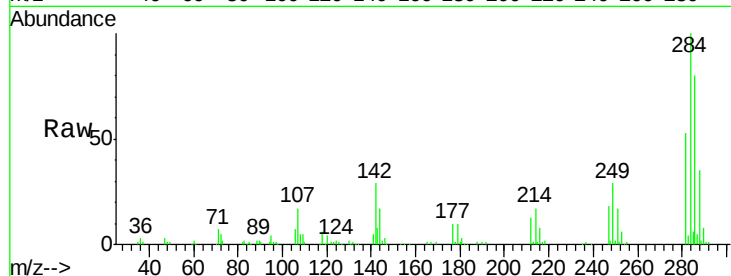




#67  
Hexachlorobenzene  
Concen: 38.87 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

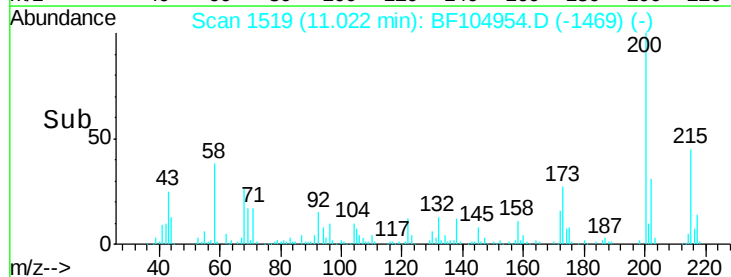
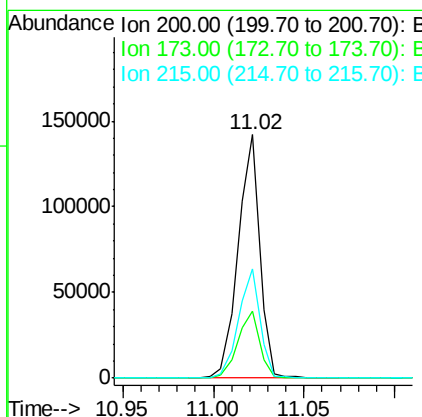
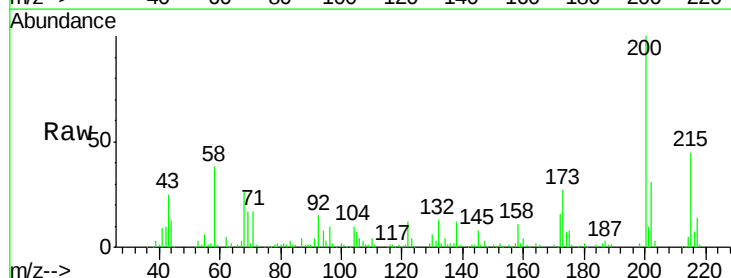
Instrument :  
BNA\_F  
ClientSampleId :

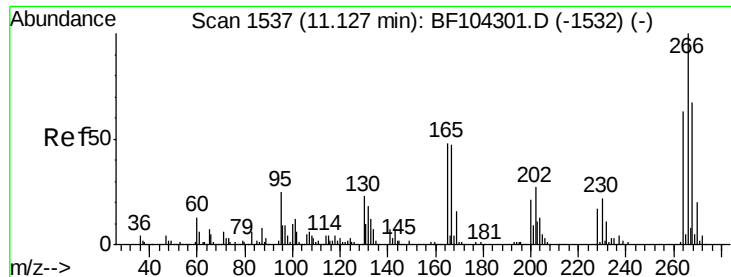
Tot Ion:284 Resp: 147434  
Ion Ratio Lower Upper  
284 100  
142 29.4 34.6 52.0#  
249 29.0 24.8 37.2



#68  
Atrazine  
Concen: 35.62 ng  
RT: 11.02 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:200 Resp: 118139  
Ion Ratio Lower Upper  
200 100  
173 27.4 8.6 48.6  
215 45.0 25.1 65.1

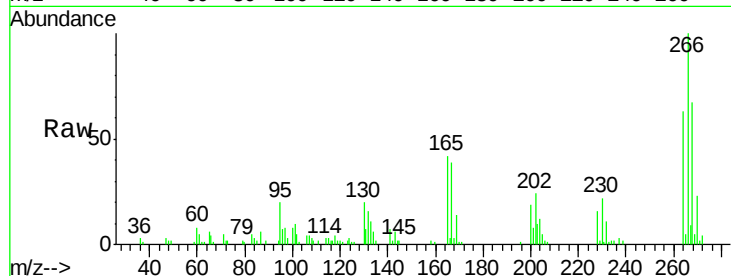




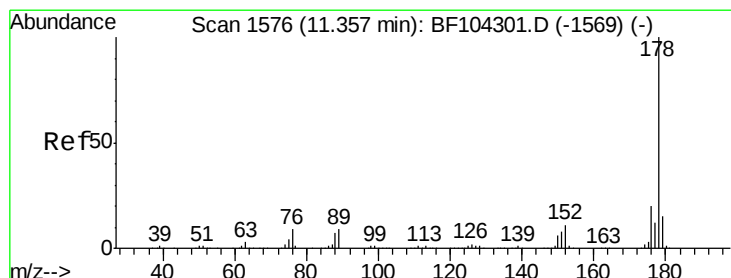
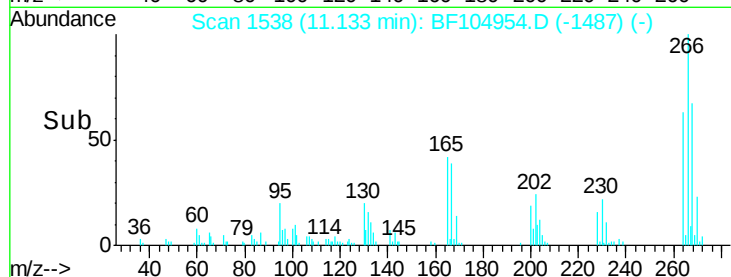
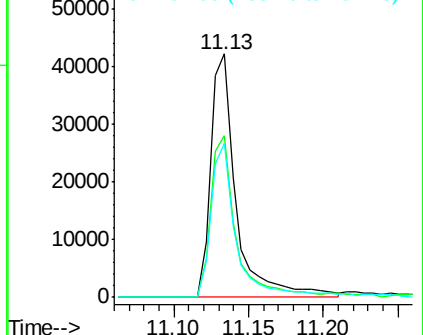
#69  
 Pentachlorophenol  
 Concen: 21.20 ng  
 RT: 11.13 min Scan# 1538  
 Delta R.T. 0.00 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 49754  
 Ion Ratio Lower Upper  
 266 100  
 268 66.5 51.1 76.7  
 264 63.4 49.5 74.3

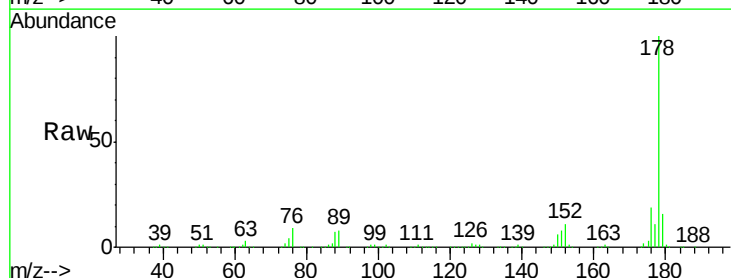


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

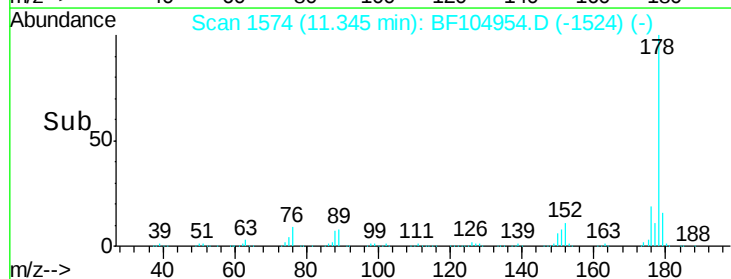
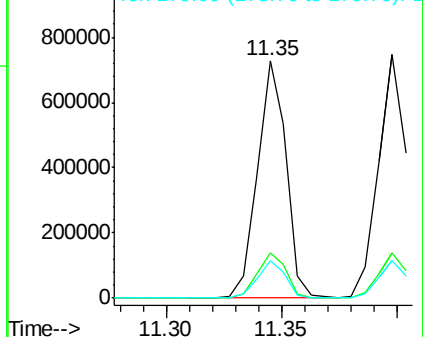


#70  
 Phenanthrene  
 Concen: 35.62 ng  
 RT: 11.35 min Scan# 1574  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion:178 Resp: 628662  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.8 23.8  
 179 15.6 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

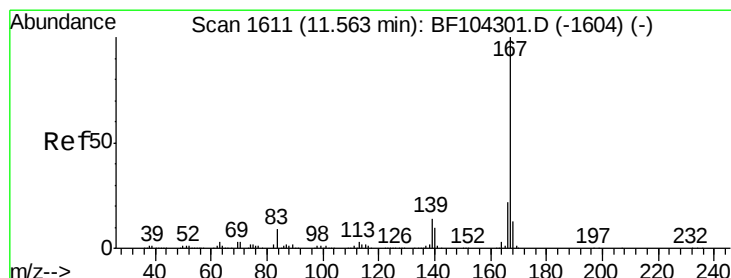
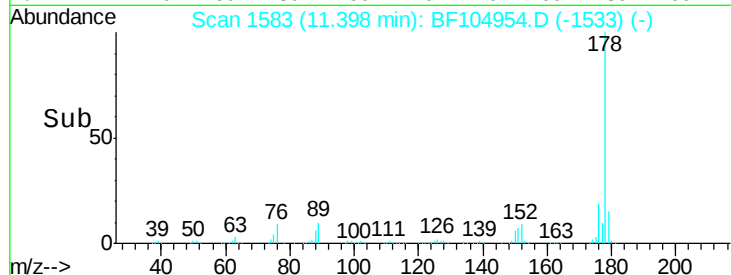
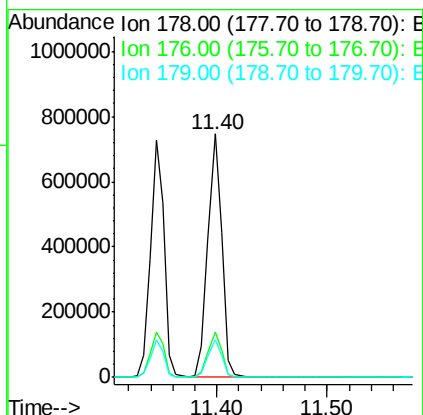
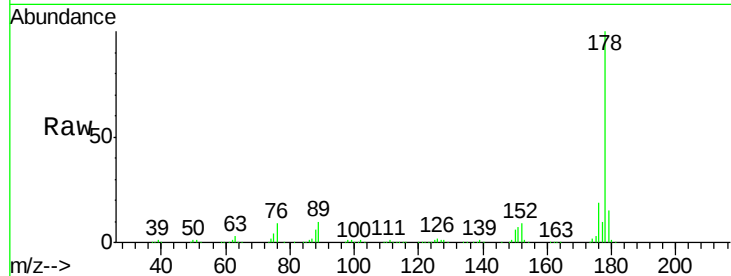




#71  
 Anthracene  
 Concen: 35.34 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

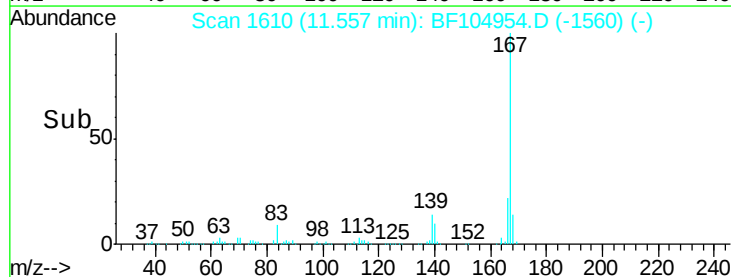
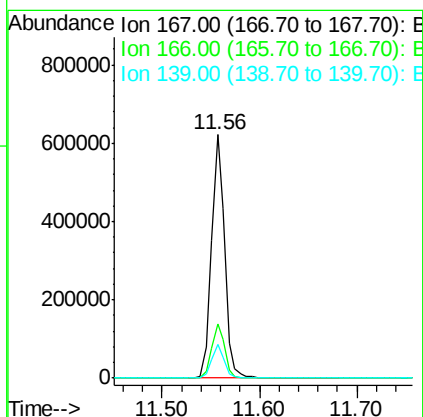
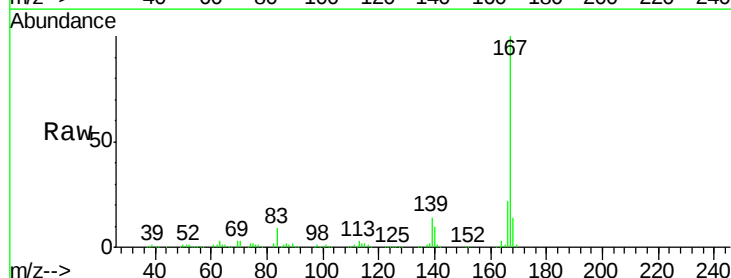
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:178 Resp: 634111  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.4 23.2  
 179 15.5 12.6 19.0



#72  
 Carbazole  
 Concen: 32.88 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion:167 Resp: 576511  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.6 26.4  
 139 13.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.56 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampled :

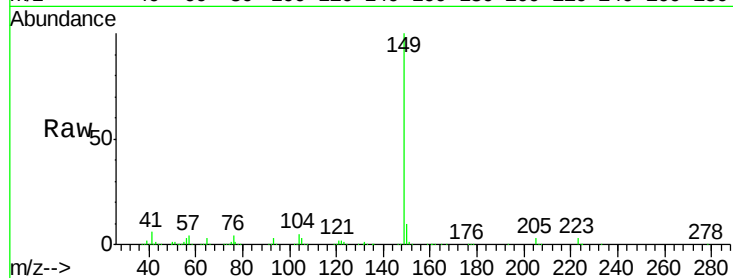
Tot Ion:149 Resp: 804444

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

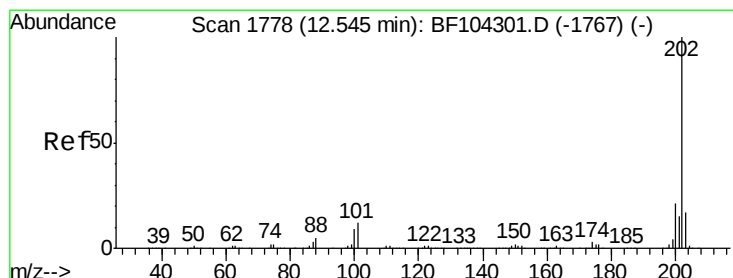
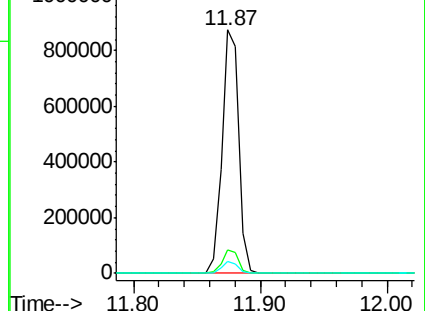
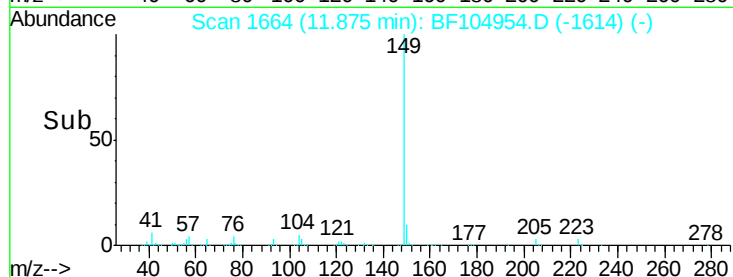
104 4.8 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 30.79 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

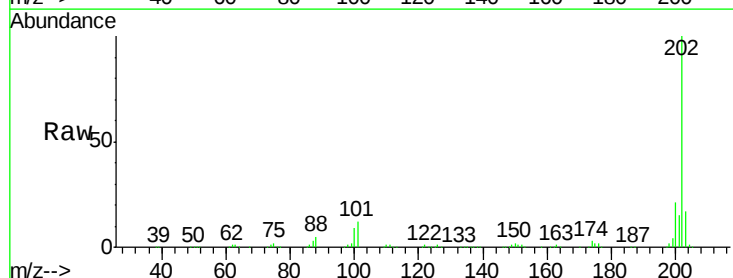
Tgt Ion:202 Resp: 567766

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

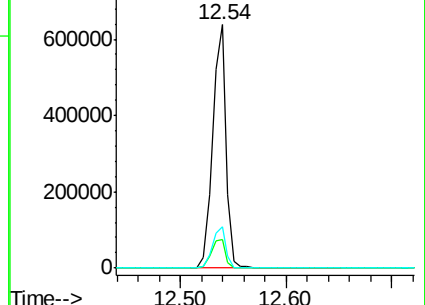
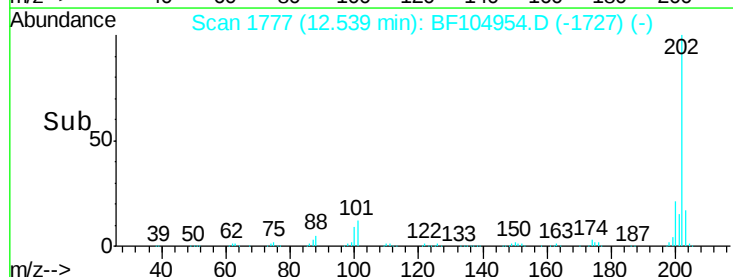
203 17.2 0.0 38.1

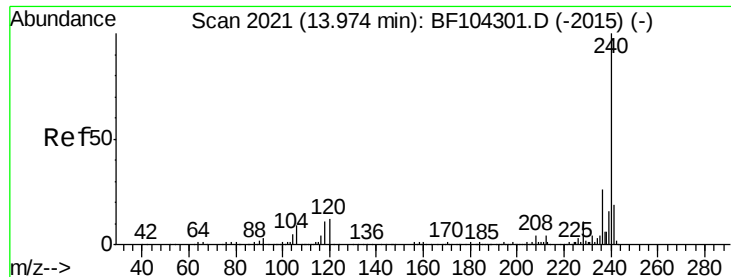


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

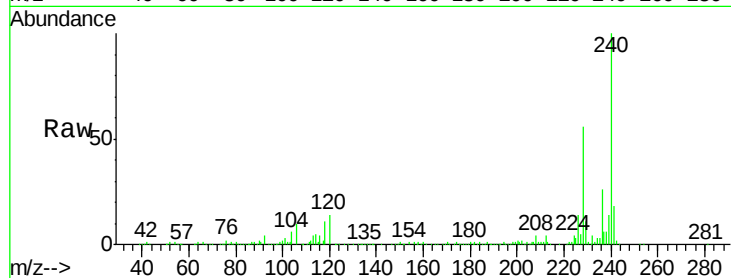
Tot Ion:240 Resp: 216401

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

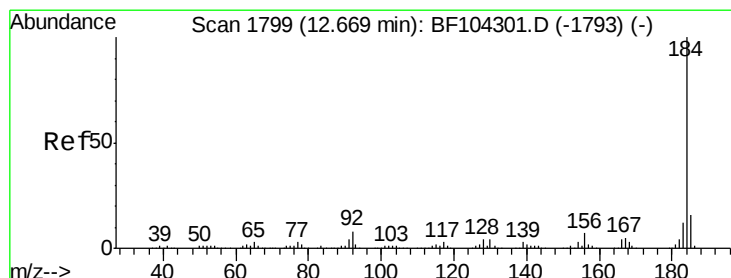
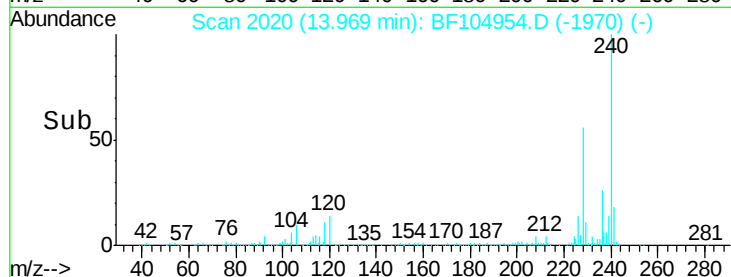
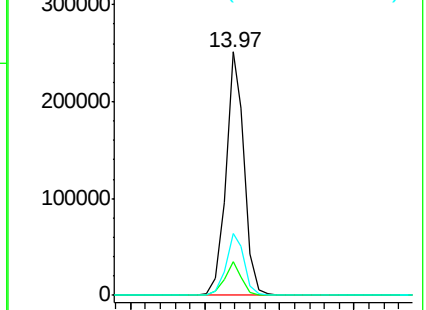
236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 30.80 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

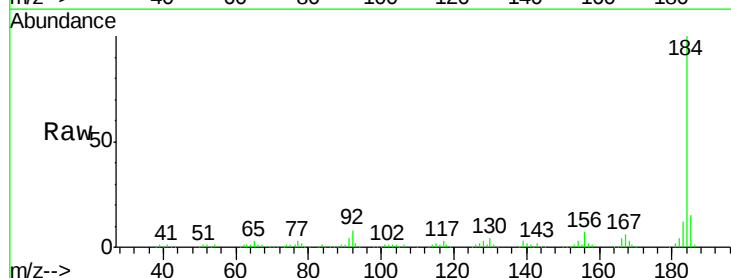
Tgt Ion:184 Resp: 242151

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

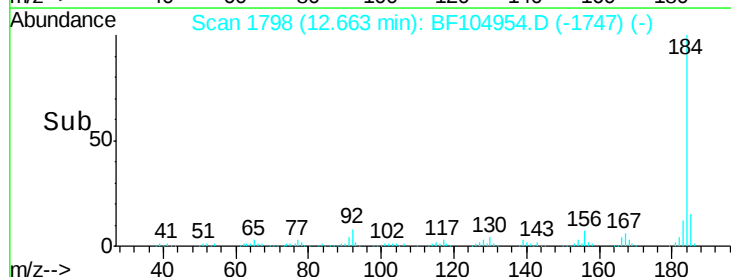
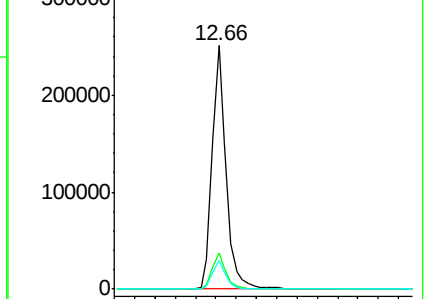
183 11.9 9.3 13.9

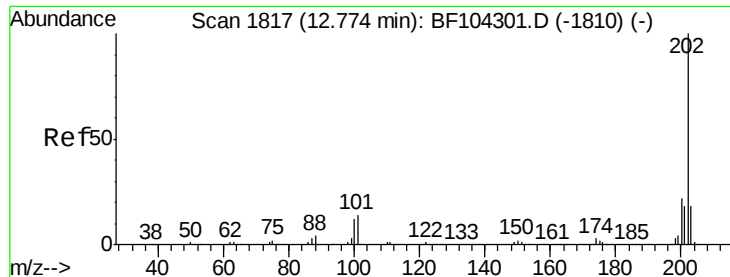


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

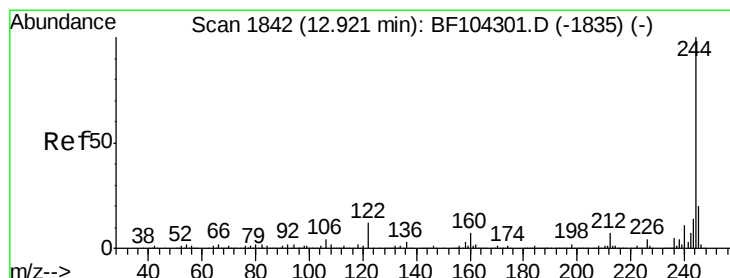
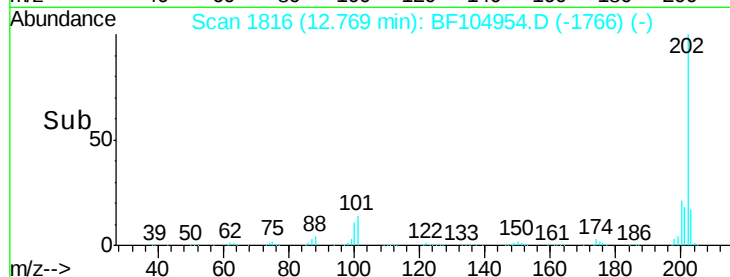
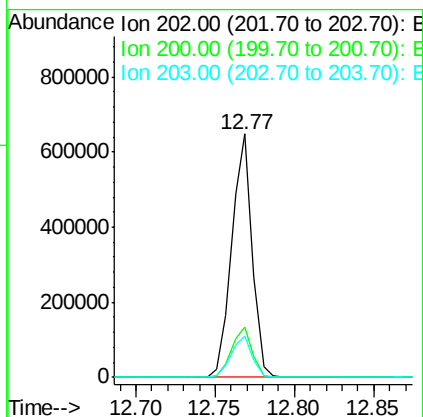
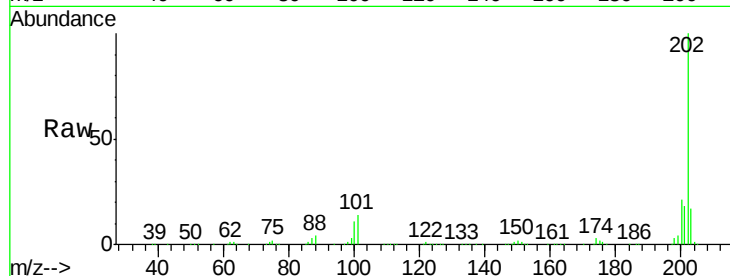




#77  
Pvrene  
Concen: 36.01 ng  
RT: 12.77 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

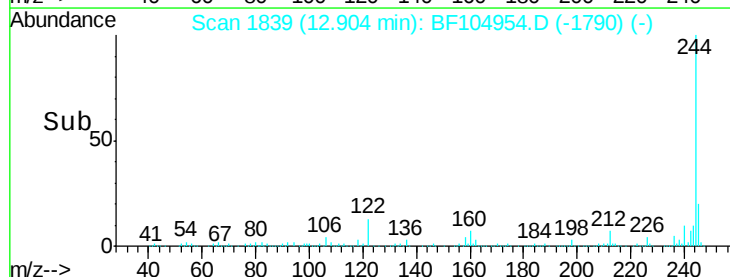
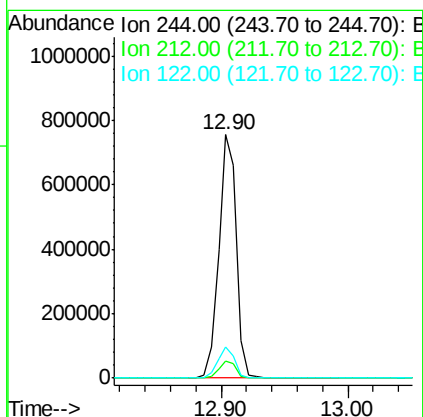
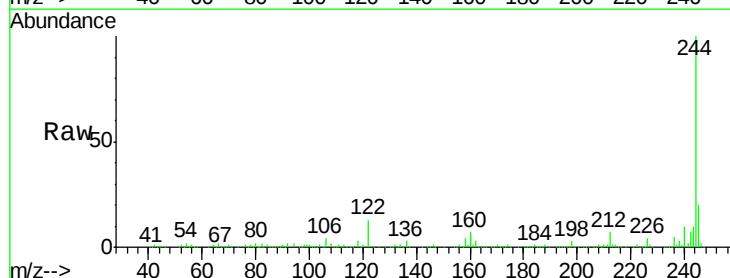
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 577666  
Ion Ratio Lower Upper  
202 100  
200 20.7 17.4 26.2  
203 16.9 14.3 21.5



#78  
Terphenyl-d14  
Concen: 76.57 ng  
RT: 12.90 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:244 Resp: 726798  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.4 8.0  
122 12.8 11.0 16.4

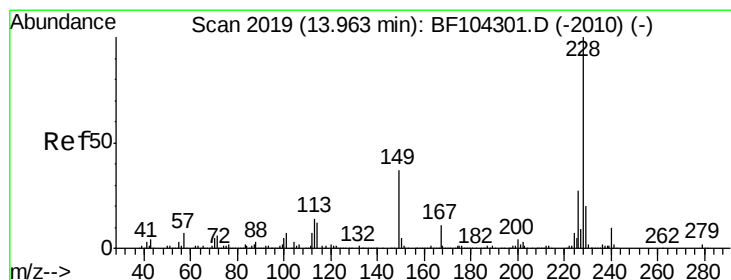
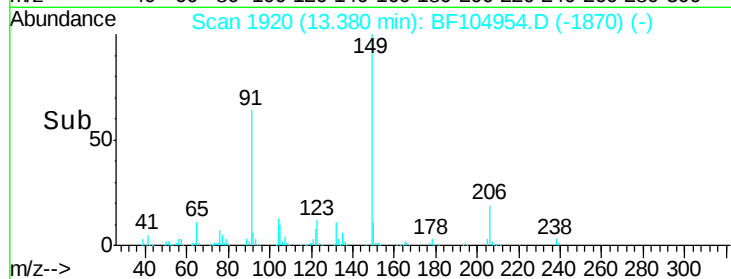
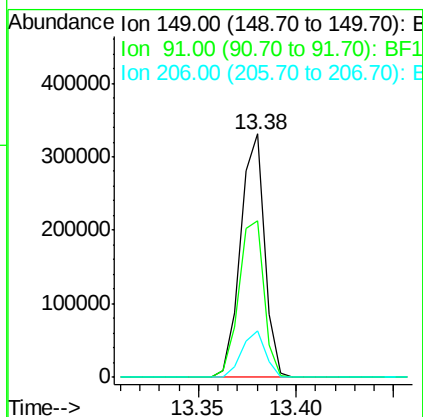
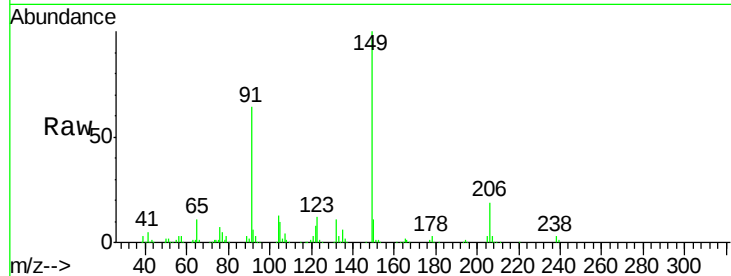




#79  
Butylbenzylphthalate  
Concen: 37.52 ng  
RT: 13.38 min Scan# 1920  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

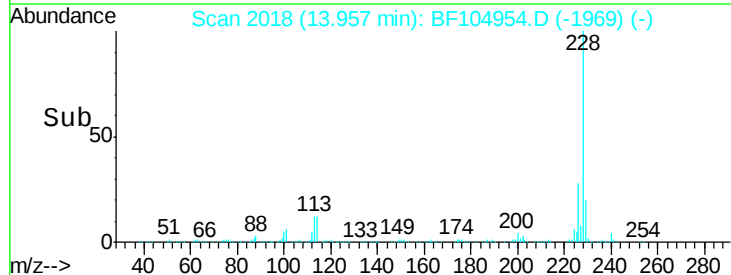
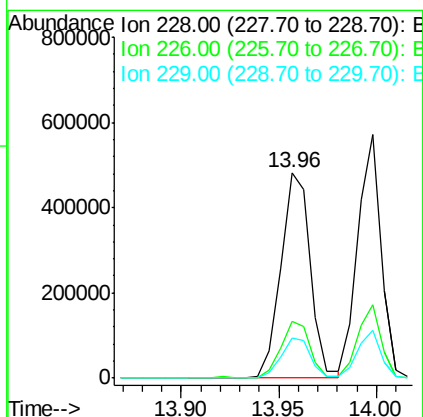
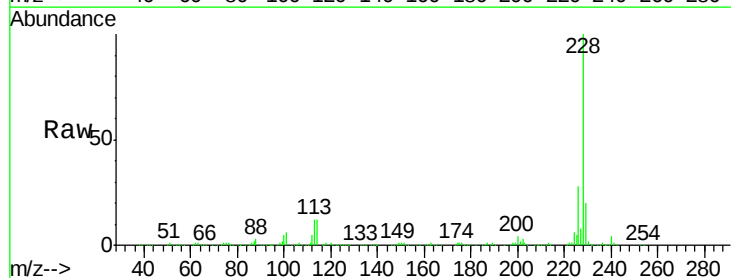
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 64.1  | 56.8  | 85.2  |
| 206     | 19.0  | 14.1  | 21.1  |



#80  
Benzo(a)anthracene  
Concen: 39.01 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 22.6  | 33.8  |
| 229     | 19.7  | 15.8  | 23.6  |

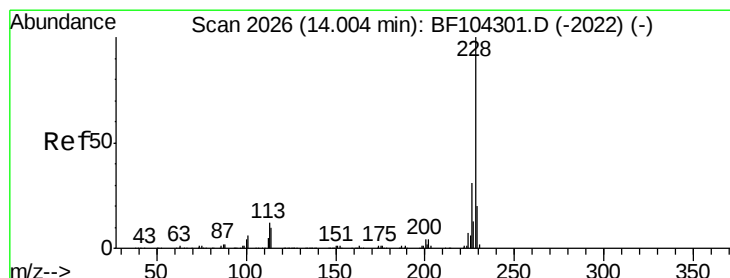
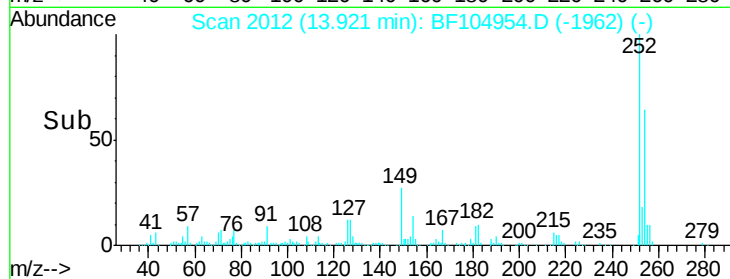
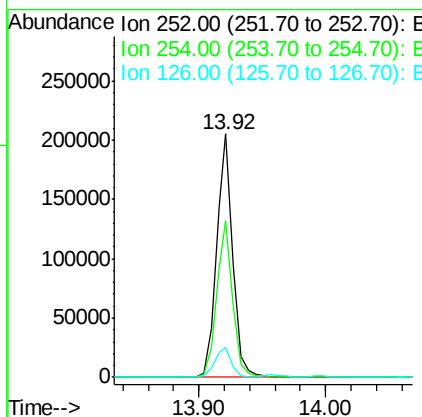
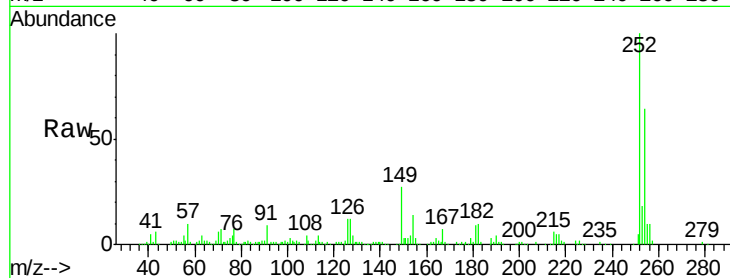




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.17 ng  
 RT: 13.92 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

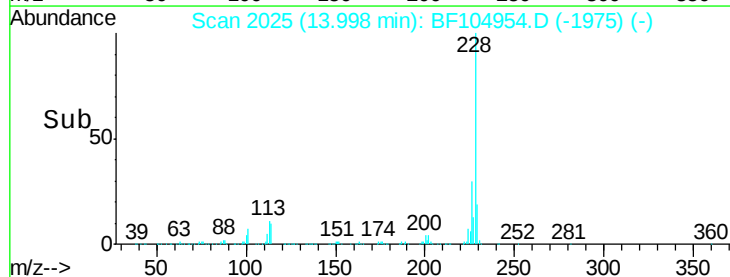
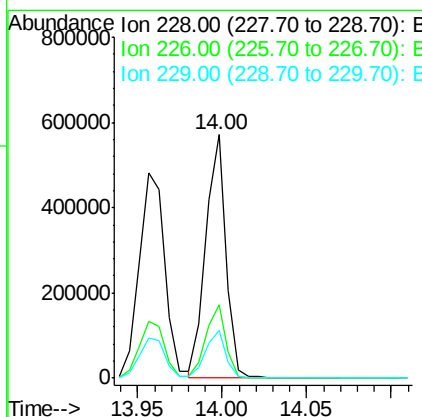
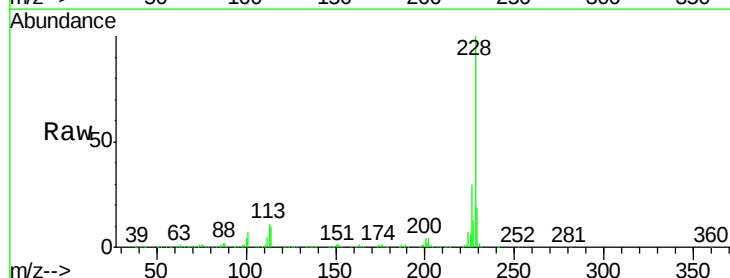
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.2  | 50.4  | 75.6  |
| 126     | 12.5  | 11.3  | 16.9  |



#82  
 Chrysene  
 Concen: 36.04 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 25.0  | 37.6  |
| 229     | 19.5  | 16.2  | 24.4  |

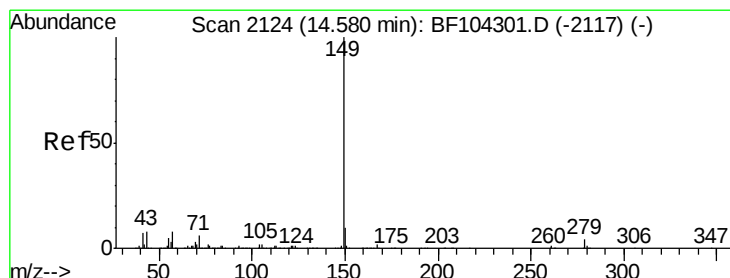
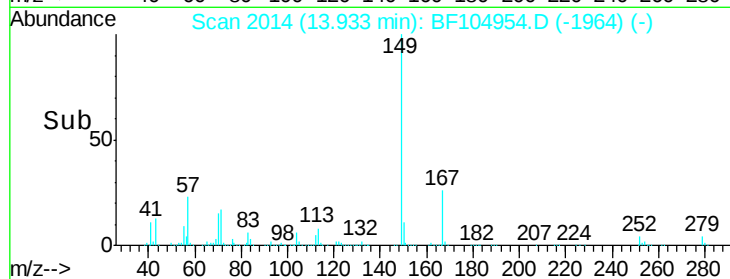
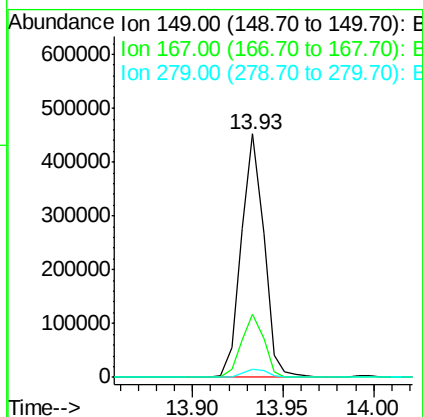
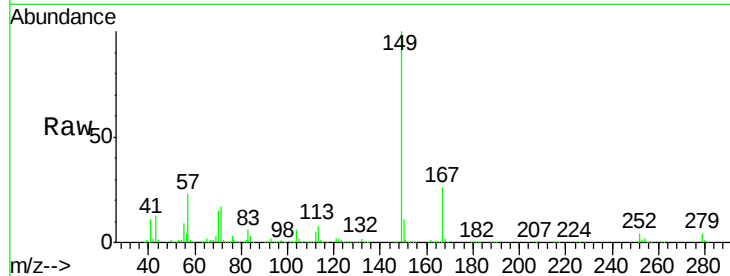




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.49 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

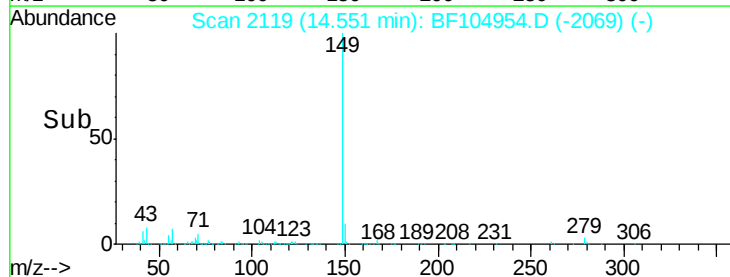
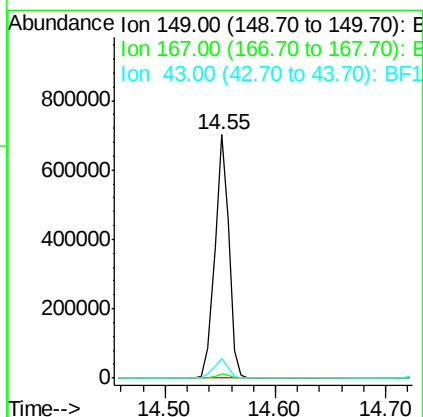
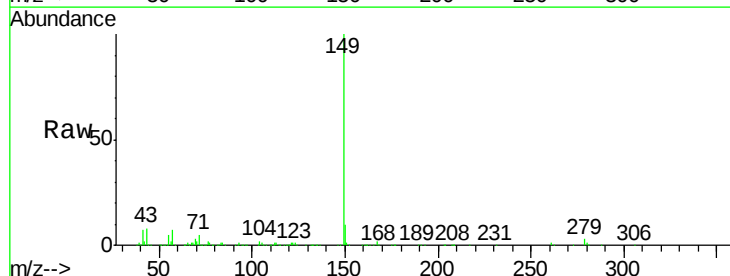
Instrument :  
 BNA\_F  
 ClientSampleId :

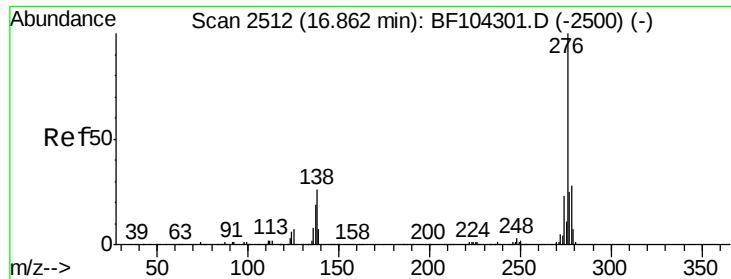
Tot Ion:149 Resp: 393520  
 Ion Ratio Lower Upper  
 149 100  
 167 26.1 21.3 31.9  
 279 3.6 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 37.53 ng  
 RT: 14.55 min Scan# 2119  
 Delta R.T. -0.01 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Tgt Ion:149 Resp: 609576  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 7.8 8.4 12.6#

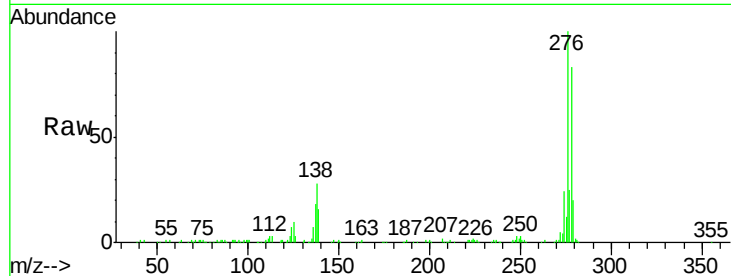




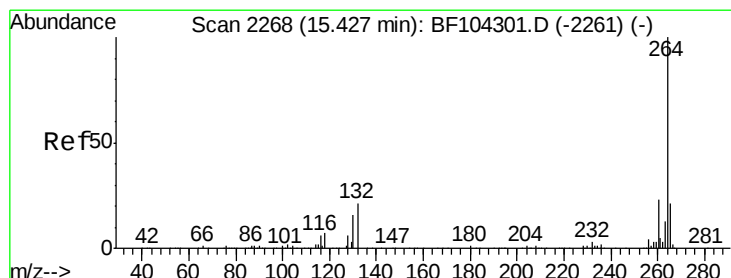
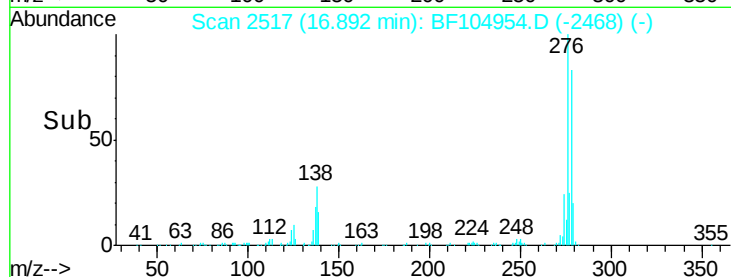
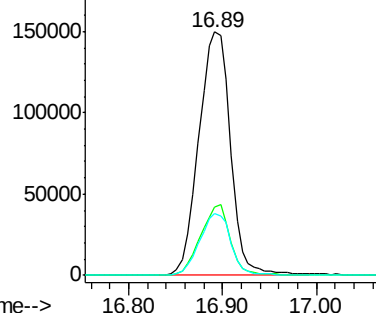
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 31.13 ng  
RT: 16.89 min Scan# 2517  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.3  | 25.0  | 37.6  |
| 277     | 25.3  | 20.1  | 30.1  |

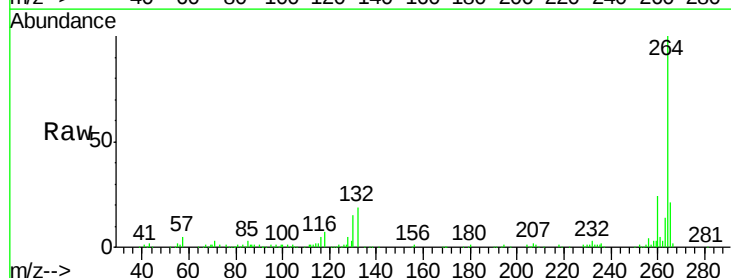


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

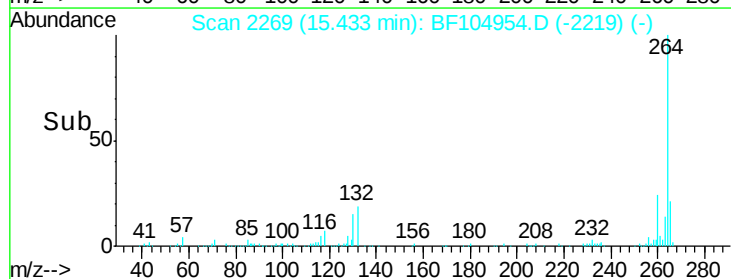
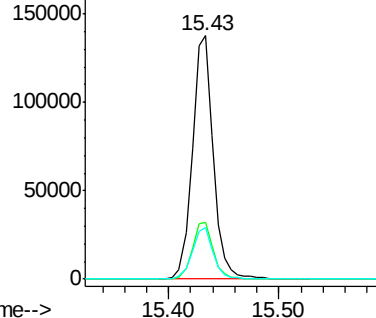


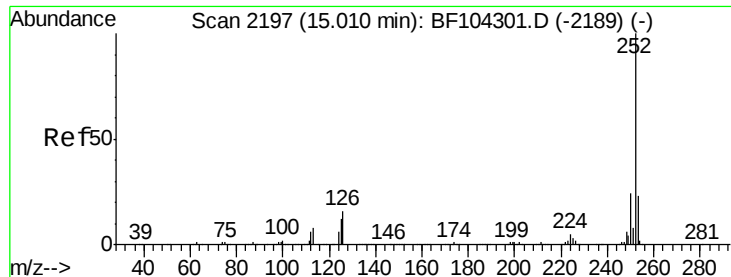
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.4  | 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

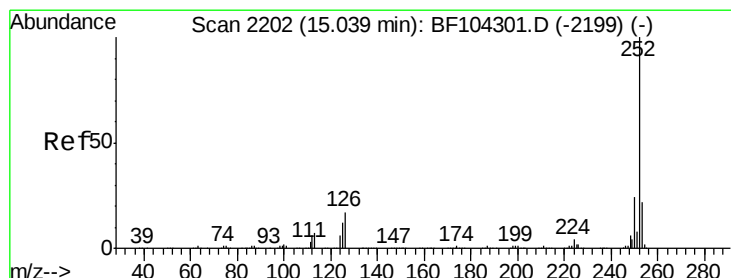
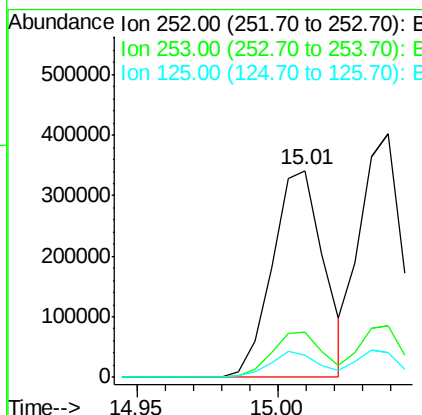
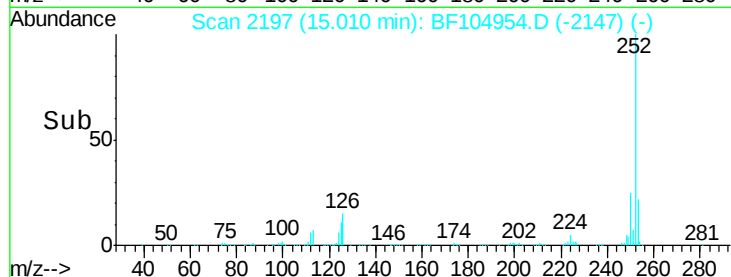
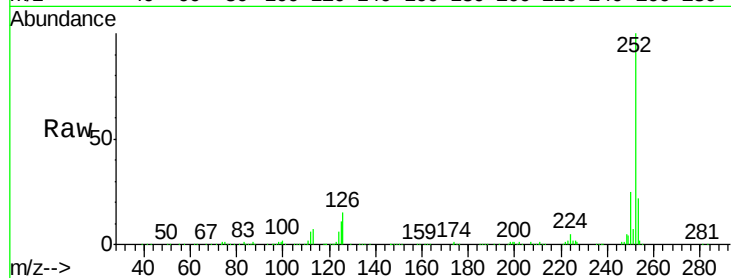




#87  
Benzo(b)fluoranthene  
Concen: 37.61 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

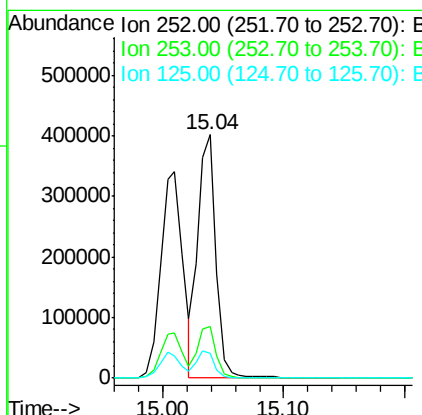
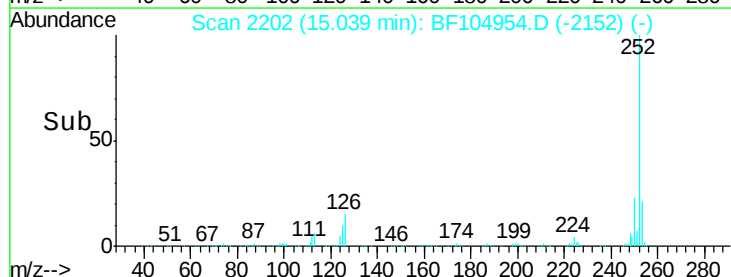
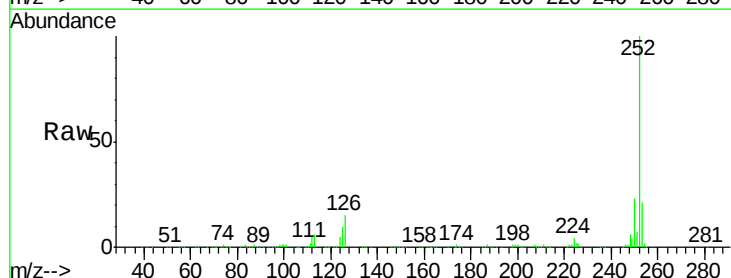
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 431139  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.0 25.6  
125 10.9 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 38.64 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF104954.D  
Acq: 1 May 2018 1:40

Tgt Ion:252 Resp: 418249  
Ion Ratio Lower Upper  
252 100  
253 21.1 17.9 26.9  
125 10.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 36.86 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

Instrument :

BNA\_F

ClientSampleId :

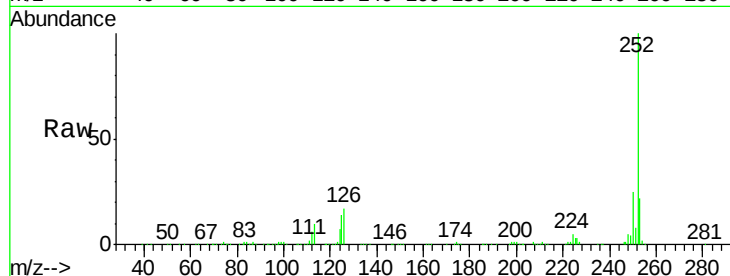
Tot Ion:252 Resp: 378130

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

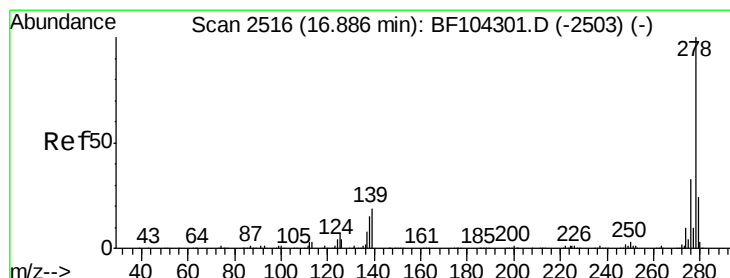
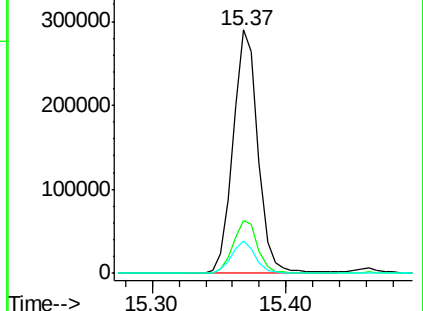
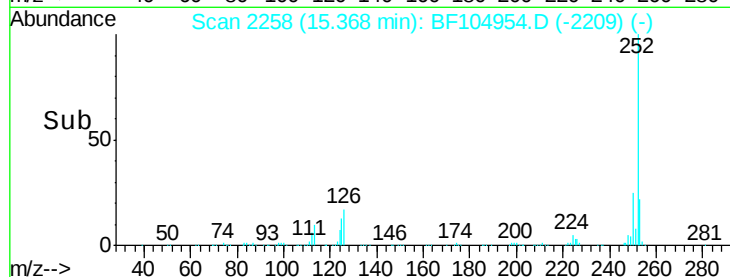
125 13.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 35.55 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF104954.D

Acq: 1 May 2018 1:40

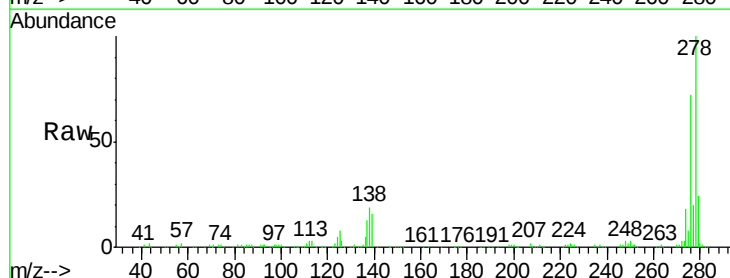
Tgt Ion:278 Resp: 299487

Ion Ratio Lower Upper

278 100

139 16.5 15.9 23.9

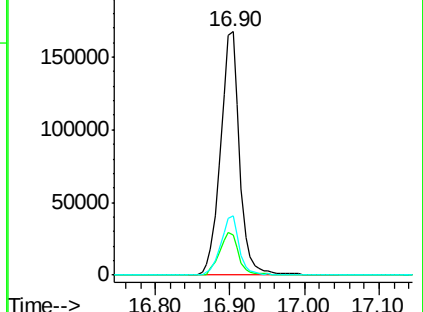
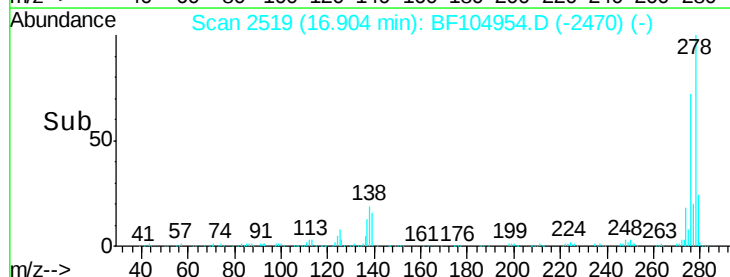
279 24.4 19.0 28.4

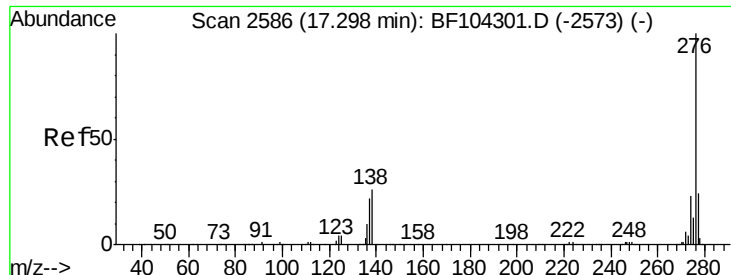


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

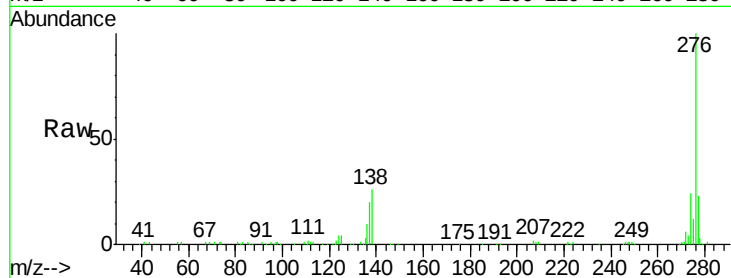




#91  
 Benzo(a,h,i)perylene  
 Concen: 34.16 ng  
 RT: 17.33 min Scan# 2592  
 Delta R.T. -0.02 min  
 Lab File: BF104954.D  
 Acq: 1 May 2018 1:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.1  | 17.9  | 26.9  |
| 138     | 25.7  | 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

