

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\  
 Data File : BF110920.D  
 Acq On : 21 Nov 2018 11:18  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 21 14:09:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 88106    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.23  | 136  | 373103   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.99  | 164  | 172161   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.48 | 188  | 321938   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.14 | 240  | 227494   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.67 | 264  | 163252   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.56  | 112 | 421581 | 77.72 | ng | 0.00 |
| 7) Phenol-d6             | 6.57  | 99  | 559310 | 80.64 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 534354 | 82.48 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.79 | 330 | 136633 | 78.76 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.30  | 172 | 962378 | 79.84 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.06 | 244 | 953026 | 78.45 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.78 | 88  | 92206  | 34.117 | ng | 88     |
| 3) Pyridine                    | 3.56 | 79  | 218277 | 37.417 | ng | # 84   |
| 4) n-Nitrosodimethylamine      | 3.54 | 42  | 103239 | 41.245 | ng | 86     |
| 6) Aniline                     | 6.61 | 93  | 355549 | 39.307 | ng | # 55   |
| 8) 2-Chlorophenol              | 6.73 | 128 | 258471 | 40.648 | ng | 97     |
| 9) Benzaldehyde                | 6.50 | 77  | 155868 | 42.536 | ng | 95     |
| 10) Phenol                     | 6.59 | 94  | 320544 | 39.854 | ng | # 68   |
| 11) bis(2-Chloroethyl)ether    | 6.68 | 93  | 238675 | 39.597 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.88 | 146 | 276310 | 39.715 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.96 | 146 | 280932 | 39.764 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.12 | 146 | 263680 | 40.119 | ng | 99     |
| 15) Benzyl Alcohol             | 7.09 | 79  | 220745 | 40.667 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45  | 378557 | 39.992 | ng | 75     |
| 17) 2-Methylphenol             | 7.19 | 107 | 200338 | 39.588 | ng | # 85   |
| 18) Hexachloroethane           | 7.45 | 117 | 105353 | 40.392 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70  | 178909 | 40.408 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.35 | 107 | 261544 | 40.260 | ng | # 87   |
| 22) Acetophenone               | 7.36 | 105 | 351886 | 40.468 | ng | # 94   |
| 24) Nitrobenzene               | 7.53 | 77  | 266650 | 40.171 | ng | 95     |
| 25) Isophorone                 | 7.77 | 82  | 425012 | 40.025 | ng | 95     |
| 26) 2-Nitrophenol              | 7.85 | 139 | 139385 | 42.092 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.87 | 122 | 206263 | 40.900 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93  | 286513 | 39.851 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.09 | 162 | 214948 | 41.422 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.17 | 180 | 238913 | 40.835 | ng | 96     |
| 31) Naphthalene                | 8.25 | 128 | 699710 | 39.949 | ng | 100    |
| 32) Benzoic acid               | 8.03 | 122 | 136404 | 38.227 | ng | 93     |
| 33) 4-Chloroaniline            | 8.30 | 127 | 309852 | 39.055 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.35 | 225 | 136670 | 40.897 | ng | 99     |
| 35) Caprolactam                | 8.69 | 113 | 51817  | 29.888 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.78 | 107 | 228971 | 40.913 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.94 | 142 | 454841 | 39.613 | ng | 99     |
| 38) 1-Methylnaphthalene        | 9.04 | 142 | 436550 | 39.534 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 226777 | 41.614 | ng | 98     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\  
 Data File : BF110920.D  
 Acq On : 21 Nov 2018 11:18  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

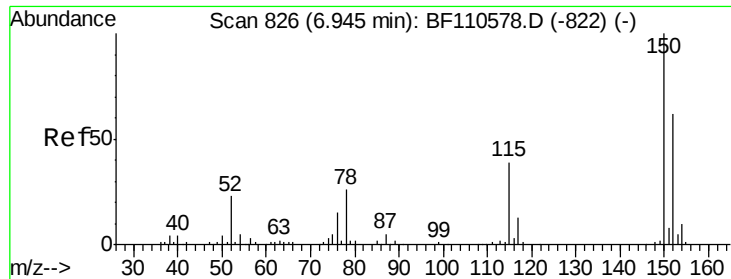
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 21 14:09:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.08  | 237  | 69014    | 37.015 | nq    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.22  | 196  | 138580   | 40.467 | nq    | 96       |
| 44) 2,4,5-Trichlorophenol      | 9.27  | 196  | 144703   | 39.613 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 9.40  | 154  | 646858   | 40.277 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.43  | 162  | 475942   | 41.135 | nq    | 99       |
| 48) 2-Nitroaniline             | 9.54  | 65   | 149218   | 41.850 | nq    | 94       |
| 49) Acenaphthylene             | 9.85  | 152  | 650707   | 39.051 | nq    | 99       |
| 50) Dimethylphthalate          | 9.70  | 163  | 504858   | 39.300 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.78  | 165  | 114656   | 40.573 | nq    | 91       |
| 52) Acenaphthene               | 10.02 | 154  | 420458   | 39.928 | nq    | 98       |
| 53) 3-Nitroaniline             | 9.96  | 138  | 133128   | 40.663 | nq    | 88       |
| 54) 2,4-Dinitrophenol          | 10.07 | 184  | 40474    | 38.543 | nq    | 91       |
| 55) Dibenzofuran               | 10.19 | 168  | 599425   | 38.907 | nq    | 99       |
| 56) 4-Nitrophenol              | 10.12 | 139  | 114526   | 52.728 | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.19 | 165  | 143194   | 38.972 | nq    | # 90     |
| 58) Fluorene                   | 10.54 | 166  | 471847   | 39.873 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.32 | 232  | 112431   | 39.125 | nq    | 93       |
| 60) Diethylphthalate           | 10.40 | 149  | 509283   | 40.073 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.52 | 204  | 244811   | 39.955 | nq    | 98       |
| 62) 4-Nitroaniline             | 10.57 | 138  | 124053   | 37.628 | nq    | 99       |
| 63) Azobenzene                 | 10.69 | 77   | 493268   | 39.782 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 59295    | 36.545 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.65 | 169  | 438863   | 40.443 | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 11.02 | 248  | 142879   | 40.157 | nq    | 95       |
| 68) Hexachlorobenzene          | 11.09 | 284  | 152745   | 40.718 | nq    | 98       |
| 69) Atrazine                   | 11.17 | 200  | 126206   | 38.037 | nq    | 98       |
| 70) Pentachlorophenol          | 11.29 | 266  | 65897    | 32.921 | nq    | 98       |
| 71) Phenanthrene               | 11.51 | 178  | 677521   | 39.282 | nq    | 99       |
| 72) Anthracene                 | 11.56 | 178  | 683261   | 39.271 | nq    | 99       |
| 73) Carbazole                  | 11.72 | 167  | 669300   | 40.056 | nq    | 99       |
| 74) Di-n-butylphthalate        | 12.02 | 149  | 782571   | 39.938 | nq    | 99       |
| 75) Fluoranthene               | 12.70 | 202  | 677152   | 39.160 | nq    | 98       |
| 77) Benzidine                  | 12.82 | 184  | 217176   | 34.714 | nq    | 96       |
| 78) Pyrene                     | 12.93 | 202  | 696070   | 39.738 | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.53 | 149  | 311788   | 41.355 | nq    | 99       |
| 81) Benzo(a)anthracene         | 14.13 | 228  | 539222   | 39.656 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.08 | 252  | 192836   | 42.334 | nq    | 99       |
| 83) Chrysene                   | 14.17 | 228  | 526096   | 40.611 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149  | 398219   | 42.578 | nq    | 97       |
| 85) Di-n-octyl phthalate       | 14.69 | 149  | 592981   | 43.115 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.26 | 276  | 377623   | 40.622 | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 15.21 | 252  | 398926   | 40.847 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.21 | 252  | 398926   | 41.339 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.60 | 252  | 353192   | 39.803 | nq    | 97       |
| 91) Dibenzo(a,h)anthracene     | 17.26 | 278  | 315057   | 41.957 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.74 | 276  | 312582   | 41.955 | nq    | 98       |

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



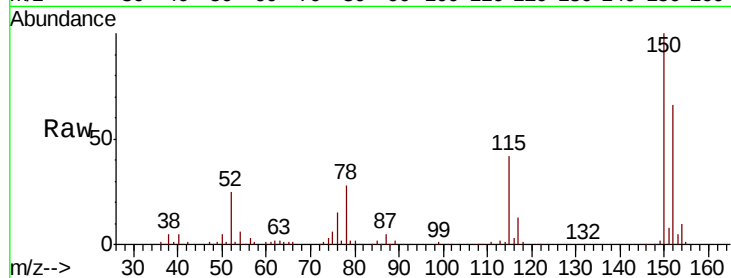


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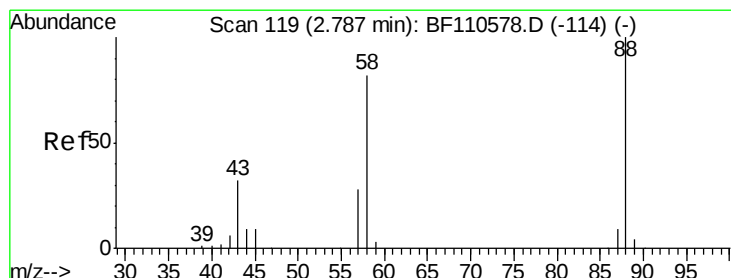
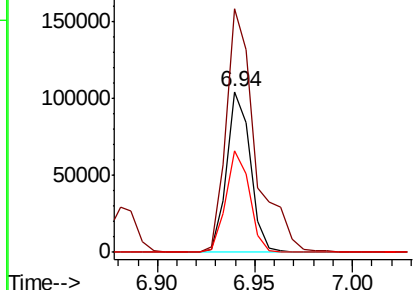
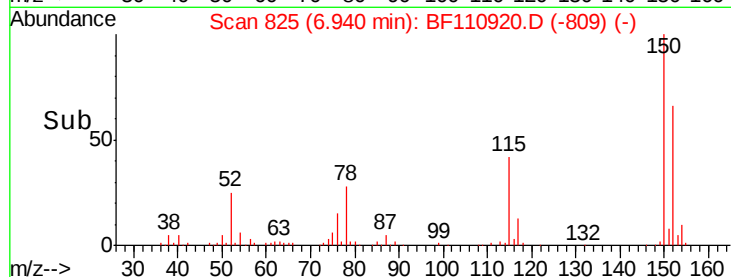
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 88106  
Ion Ratio Lower Upper  
152 100  
150 151.6 122.7 184.1  
115 63.6 49.1 73.7



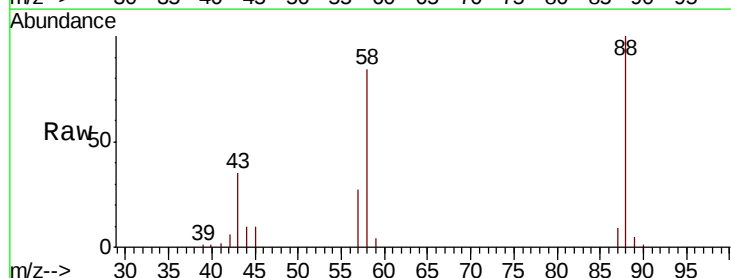
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



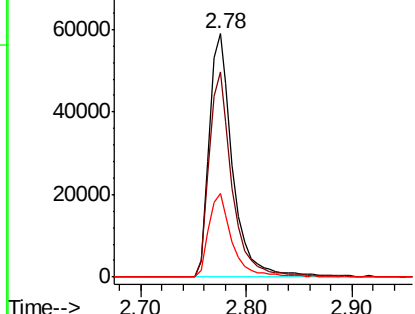
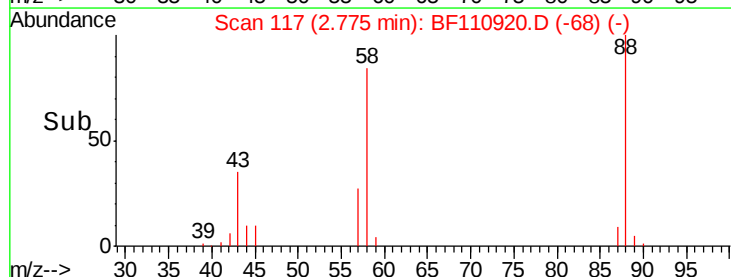
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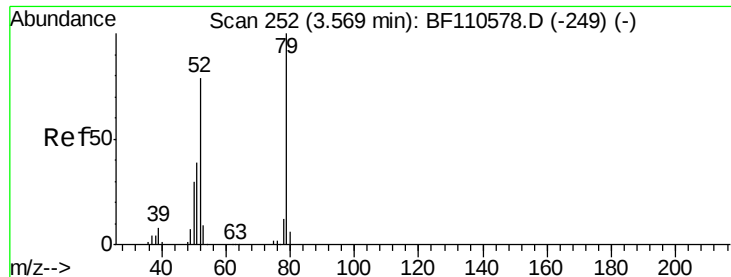
1,4-Dioxane  
Concen: 34.117 ng  
RT: 2.78 min Scan# 117  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion: 88 Resp: 92206  
Ion Ratio Lower Upper  
88 100  
58 82.9 57.1 85.7  
43 34.0 24.1 36.1



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





#3

Pvridine

Concen: 37.417 ng

RT: 3.56 min Scan# 251

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

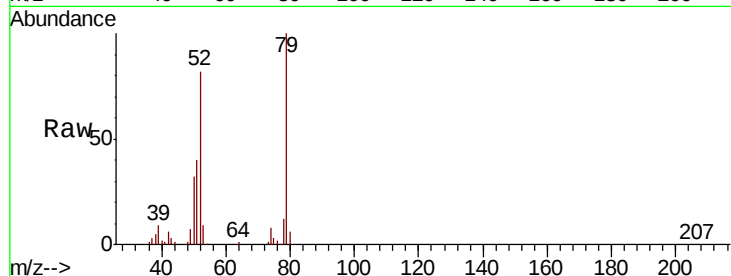
Tot Ion: 79 Resp: 218277

Ion Ratio Lower Upper

79 100

52 81.5 53.1 79.7#

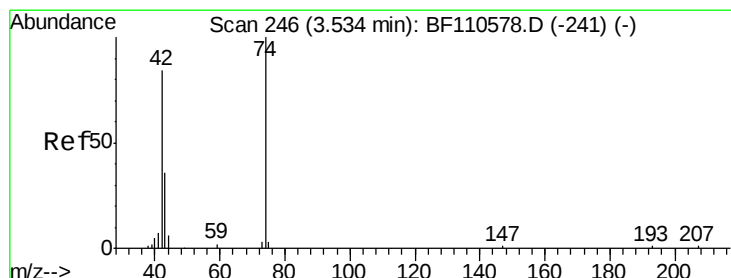
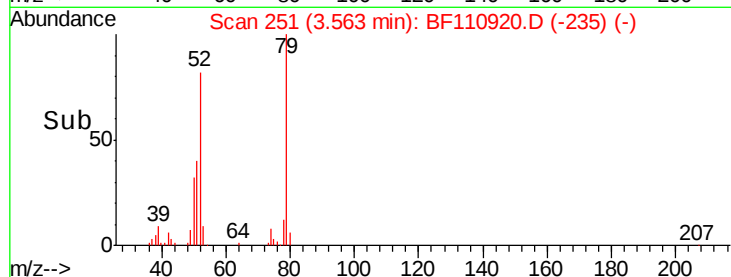
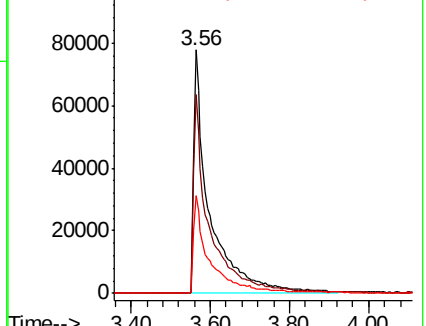
51 40.3 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.245 ng

RT: 3.54 min Scan# 247

Delta R.T. 0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

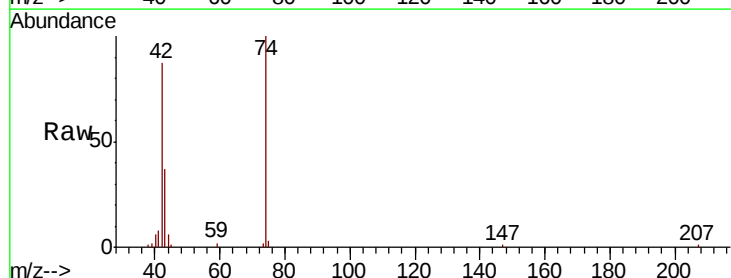
Tgt Ion: 42 Resp: 103239

Ion Ratio Lower Upper

42 100

74 114.4 105.5 158.3

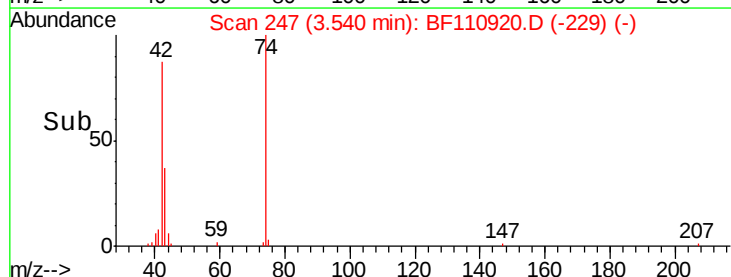
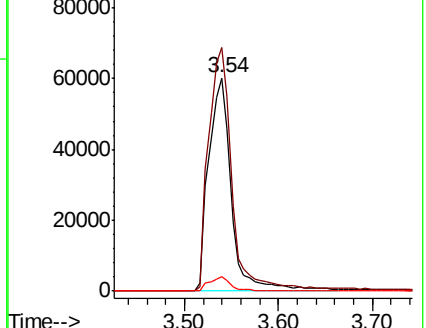
44 6.7 4.9 7.3

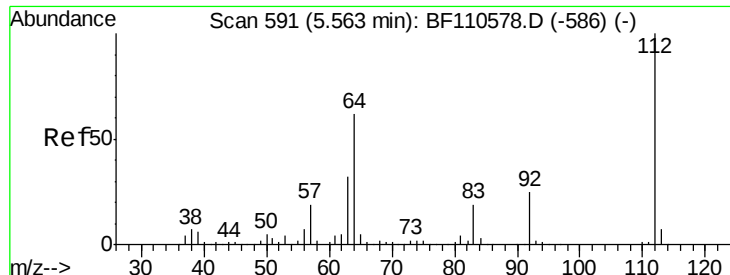


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 77.722 ng

RT: 5.56 min Scan# 591

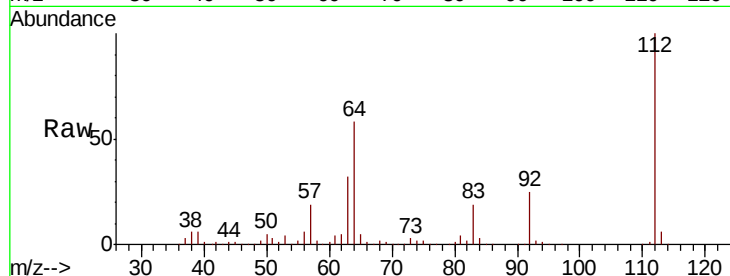
Delta R.T. 0.00 min

Lab File: BF110920.D

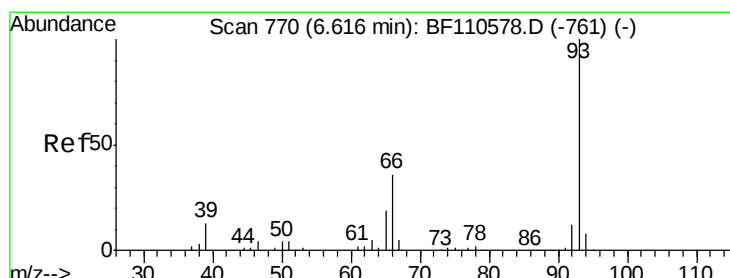
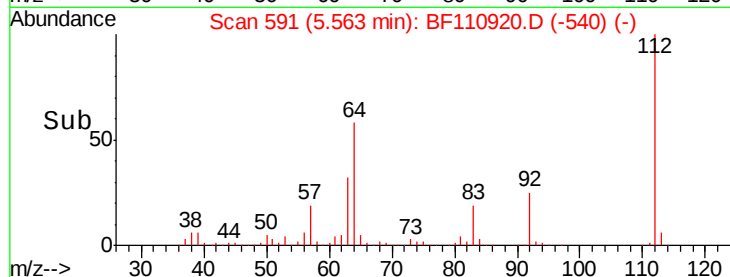
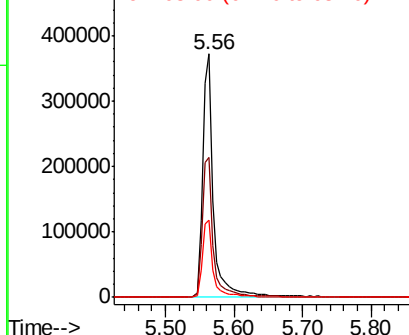
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 421581 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 57.5  | 44.1  | 66.1   |
| 63       | 31.7  | 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: 39.307 ng

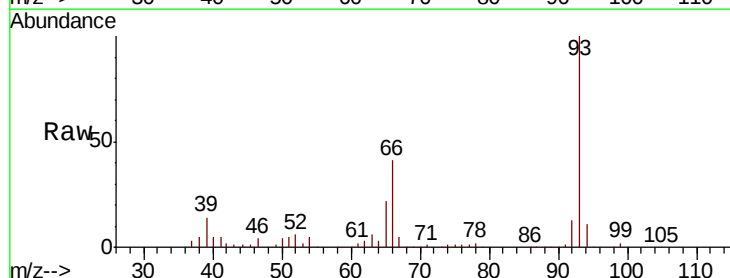
RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

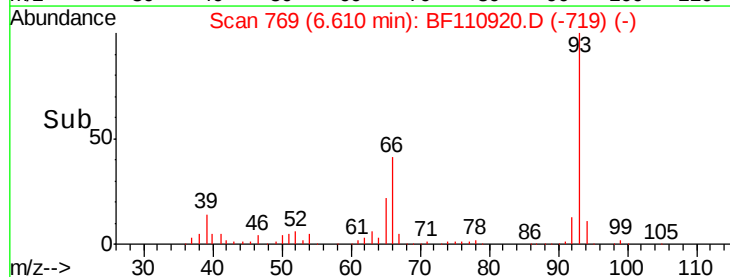
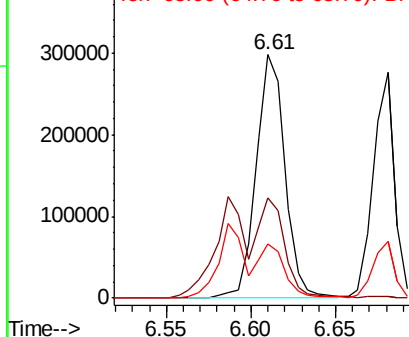
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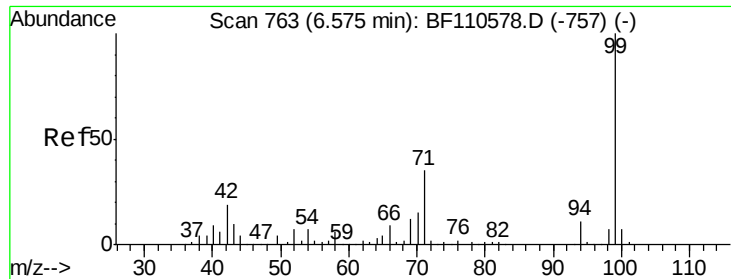
Acq: 21 Nov 2018 11:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 355549 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 41.1  | 67.4  | 101.0# |
| 65       | 22.3  | 41.0  | 61.4#  |



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





#7

Phenol-d6

Concen: 80.636 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

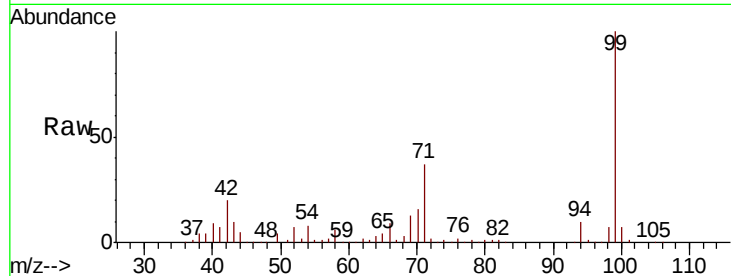
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 559310

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.1  | 15.8  | 23.6  |
| 71  | 36.6  | 28.0  | 42.0  |

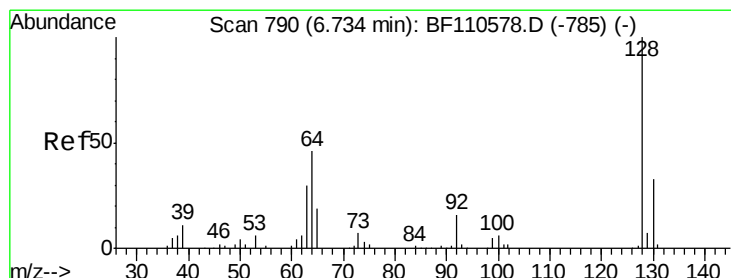
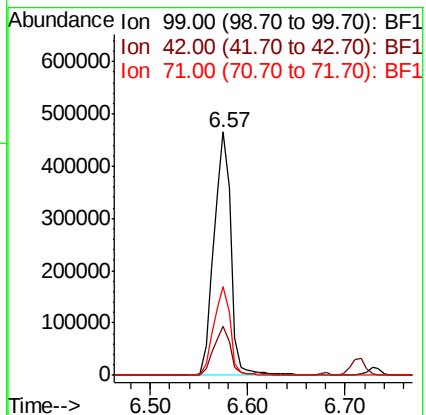
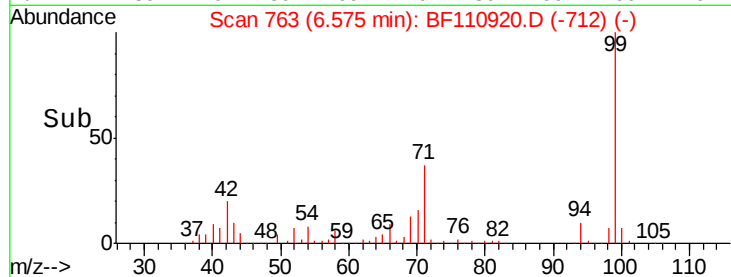


Abundance

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: 40.648 ng

RT: 6.73 min Scan# 789

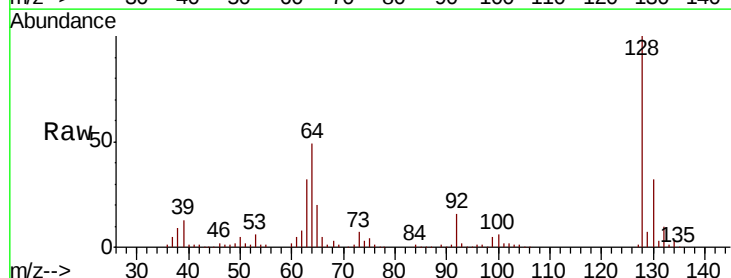
Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Tgt Ion: 128 Resp: 258471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.9  | 13.1  | 53.1  |
| 64  | 48.9  | 26.0  | 66.0  |

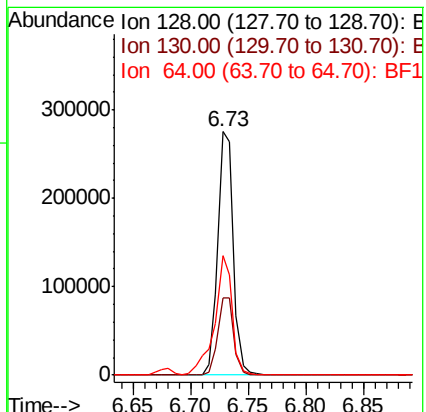
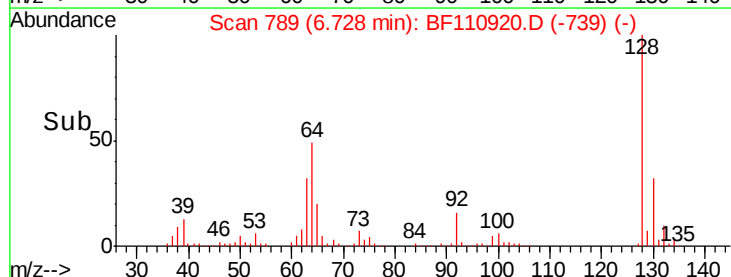


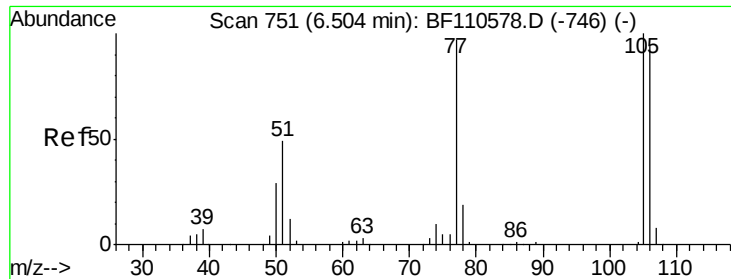
Abundance

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

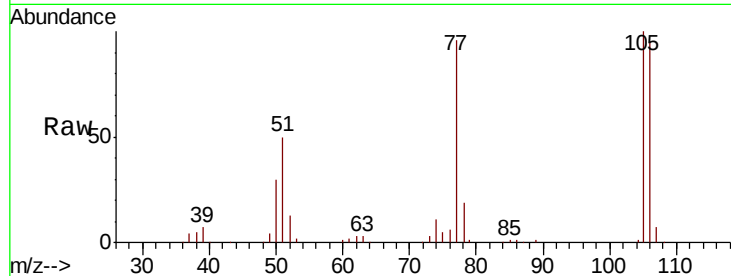




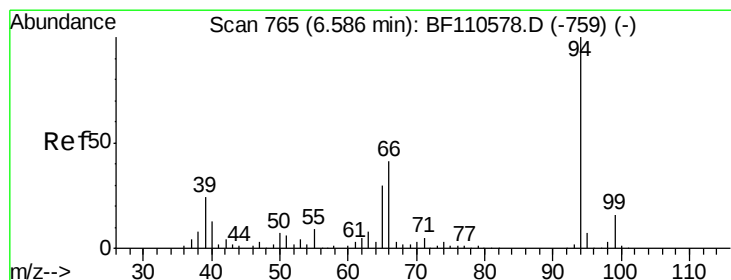
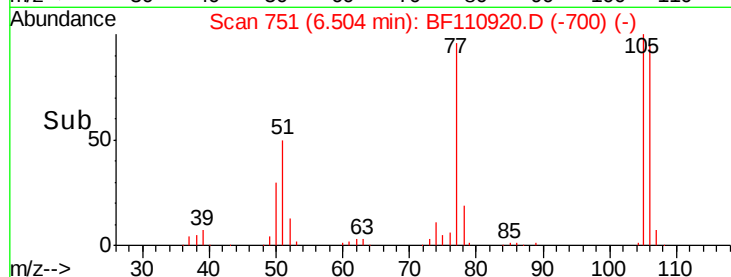
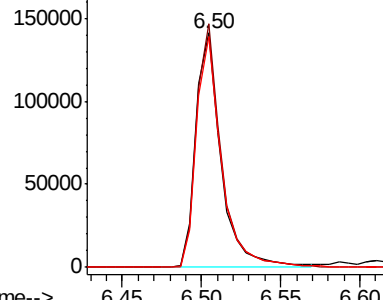
#9  
Benzaldehyde  
Concen: 42.536 ng  
RT: 6.50 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 77 Resp: 155868  
Ion Ratio Lower Upper  
77 100  
105 103.8 78.6 118.6  
106 98.6 74.8 114.8

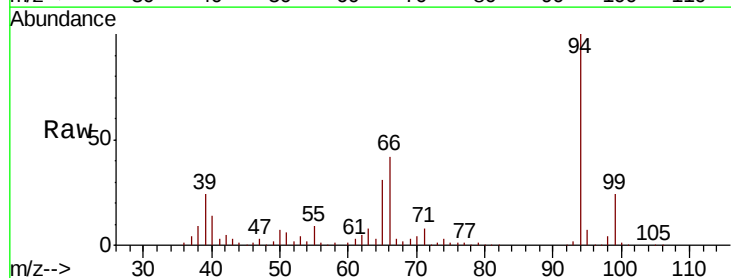


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

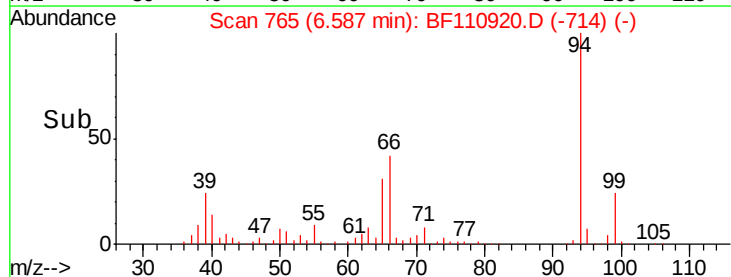
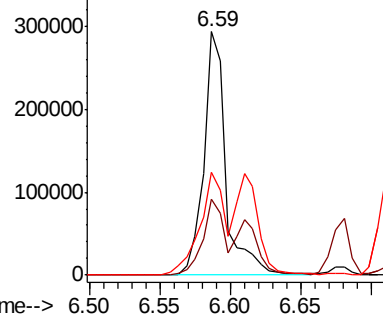


#10  
Phenol  
Concen: 39.854 ng  
RT: 6.59 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion: 94 Resp: 320544  
Ion Ratio Lower Upper  
94 100  
65 31.2 25.3 65.3  
66 42.2 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

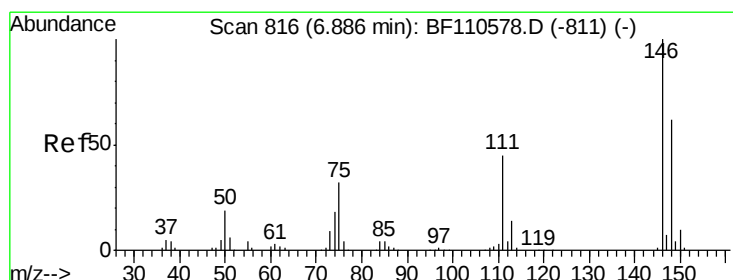
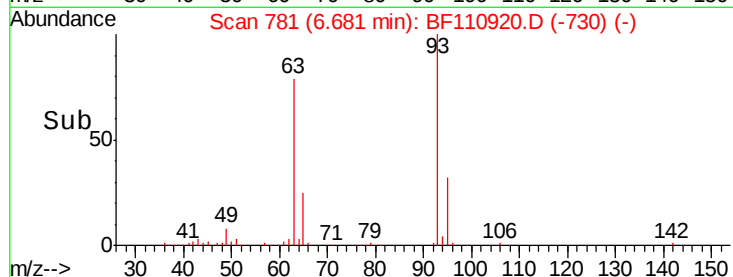
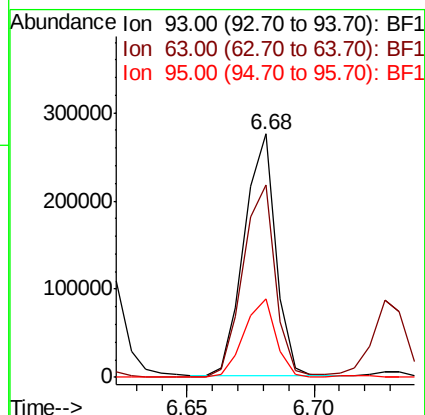
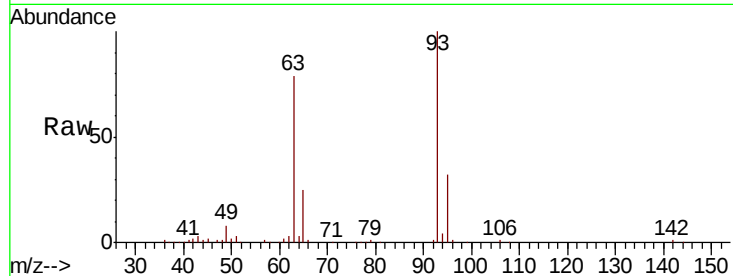




#11  
bis(2-Chloroethyl)ether  
Concen: 39.597 ng  
RT: 6.68 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

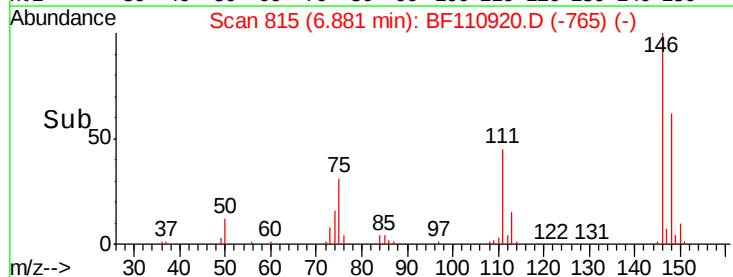
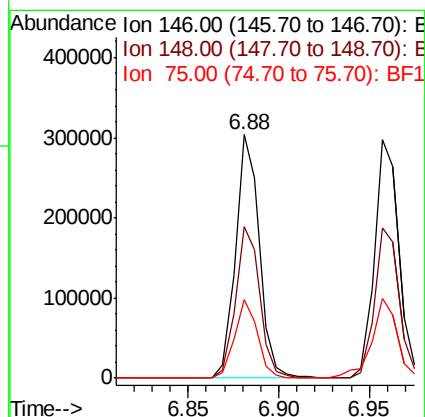
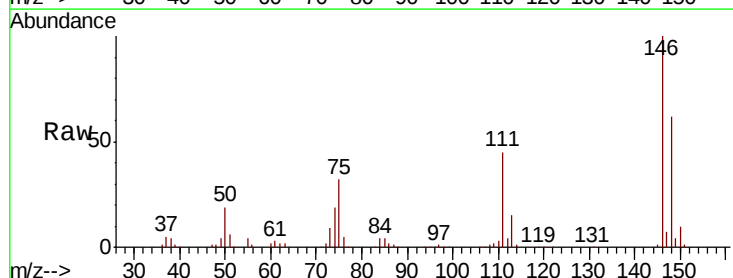
Instrument :  
BNA\_F  
ClientSampleId :

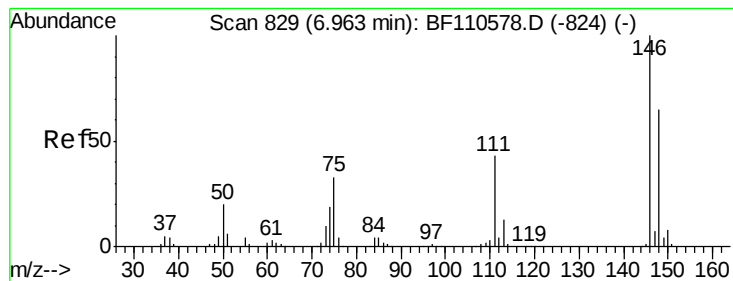
| Tot Ion   | 93    | Resp  | 238675 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 79.0  | 53.4  | 93.4   |
| 95        | 32.5  | 12.1  | 52.1   |



#12  
1,3-Dichlorobenzene  
Concen: 39.715 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion   | 146   | Resp  | 276310 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.5  | 50.4  | 75.6   |
| 75        | 32.2  | 25.8  | 38.6   |





#13

1,4-Dichlorobenzene

Concen: 39.764 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampled :

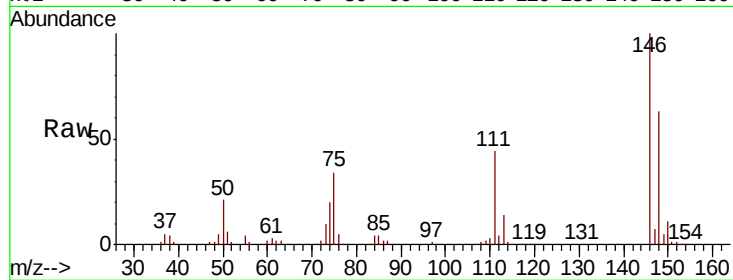
Tot Ion:146 Resp: 280932

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

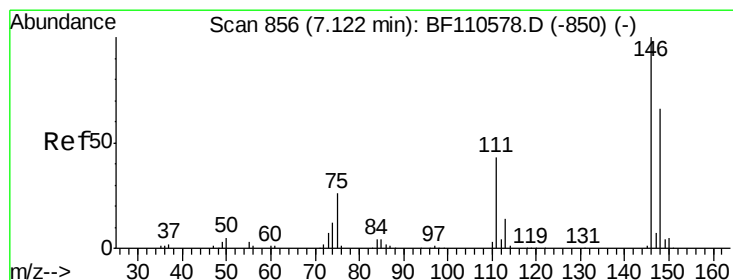
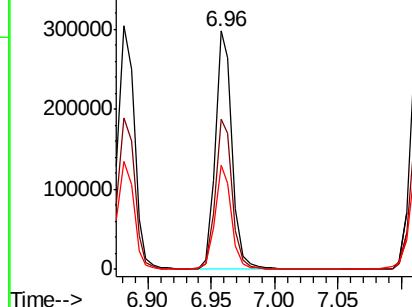
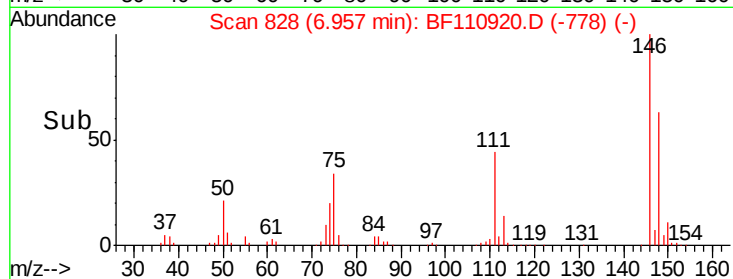
111 43.7 32.7 49.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.119 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

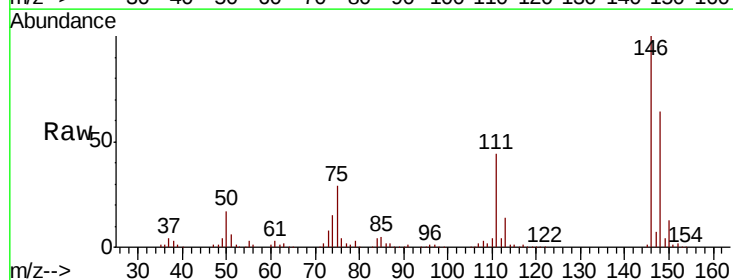
Tgt Ion:146 Resp: 263680

Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

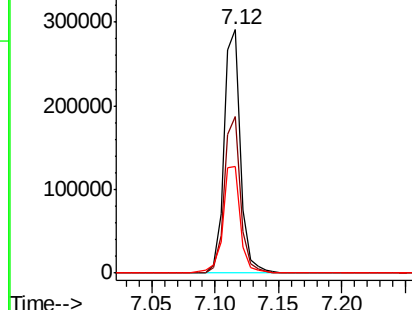
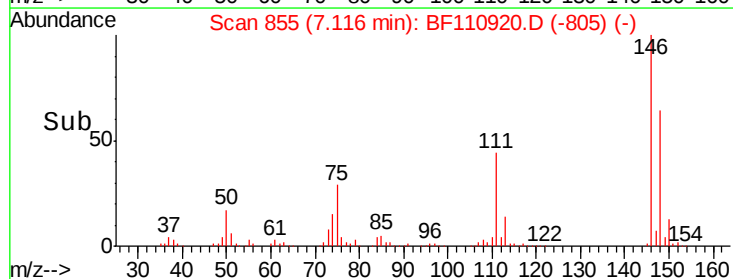
111 43.6 35.8 53.6

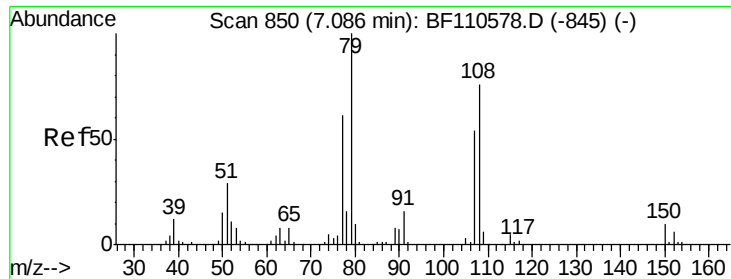


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.667 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampled :

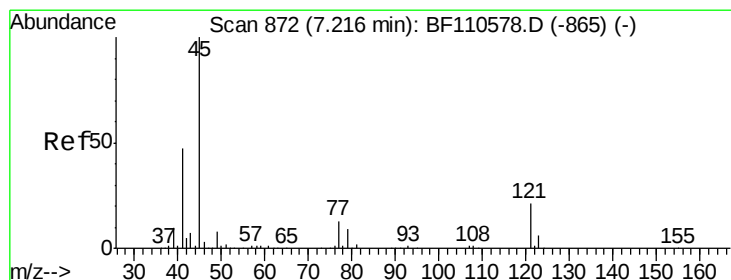
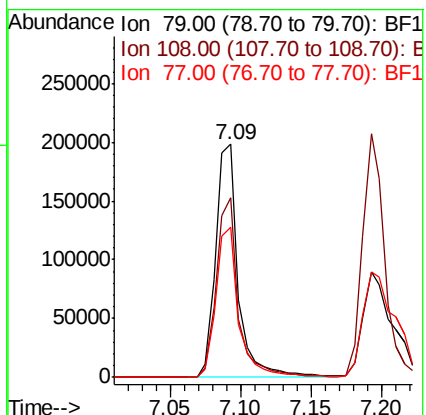
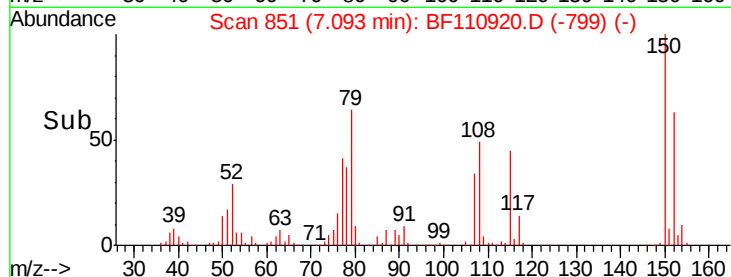
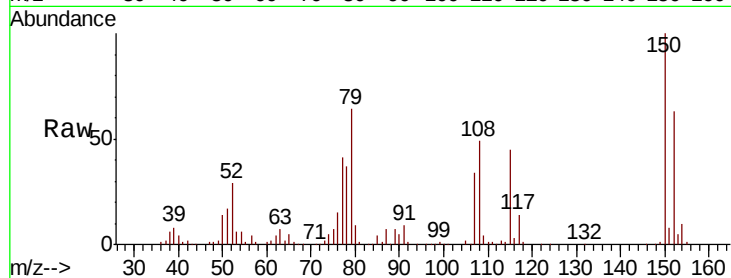
Tot Ion: 79 Resp: 220745

Ion Ratio Lower Upper

79 100

108 77.2 56.3 84.5

77 64.3 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.992 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

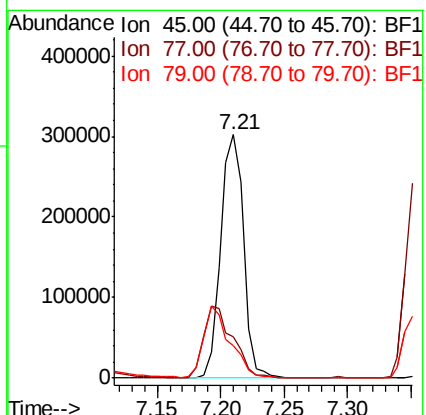
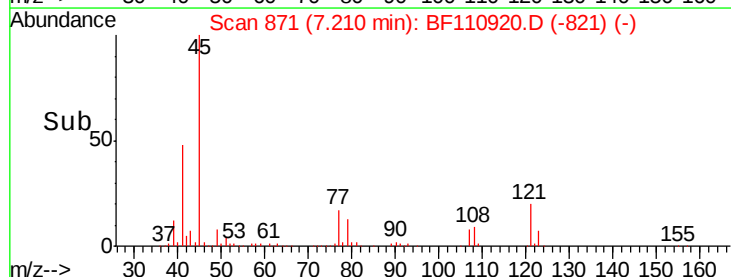
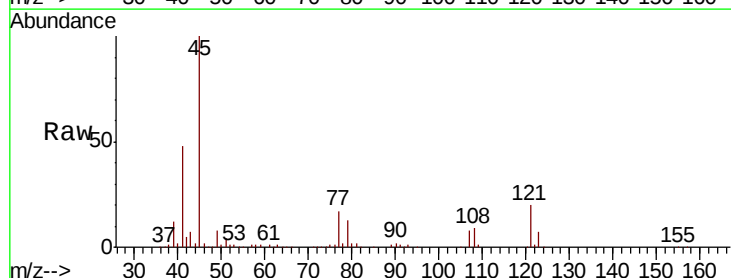
Tgt Ion: 45 Resp: 378557

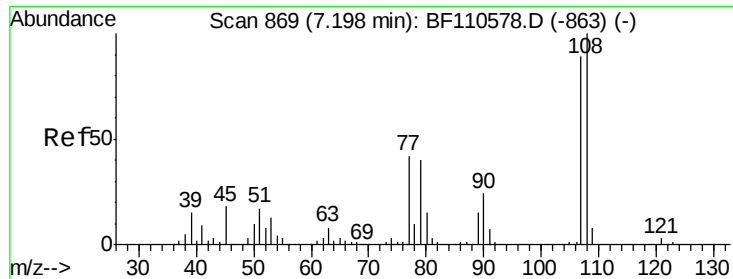
Ion Ratio Lower Upper

45 100

77 16.9 10.0 50.0

79 13.3 6.1 46.1

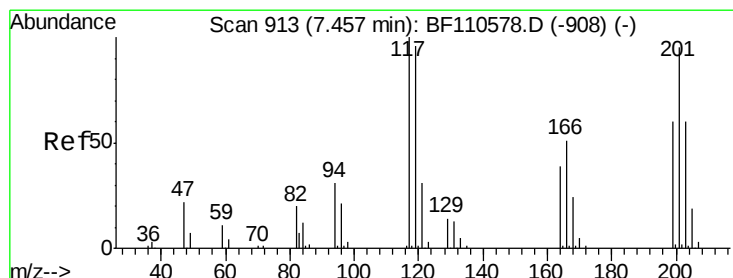
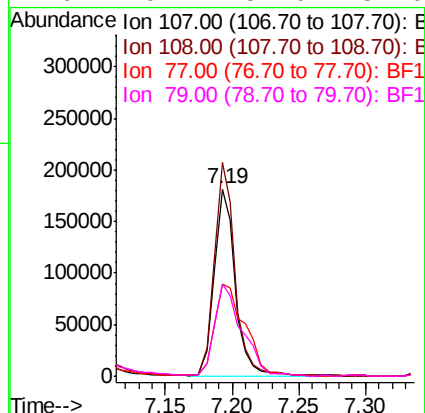
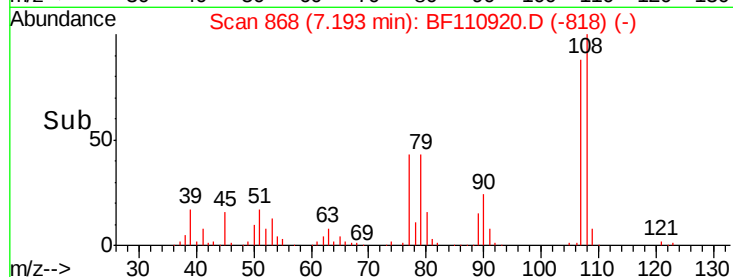
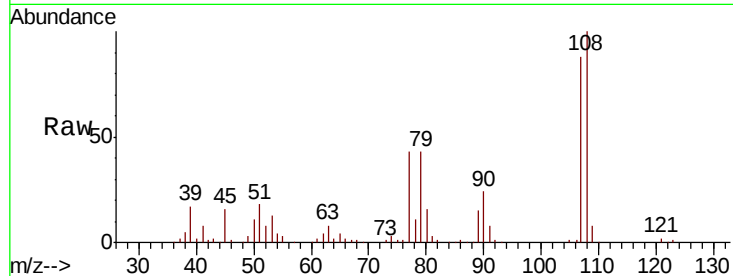




#17  
2-Methylphenol  
Concen: 39.588 ng  
RT: 7.19 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

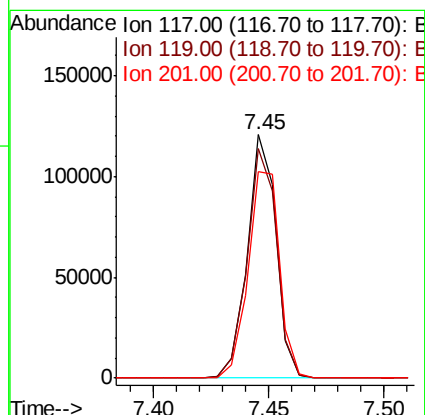
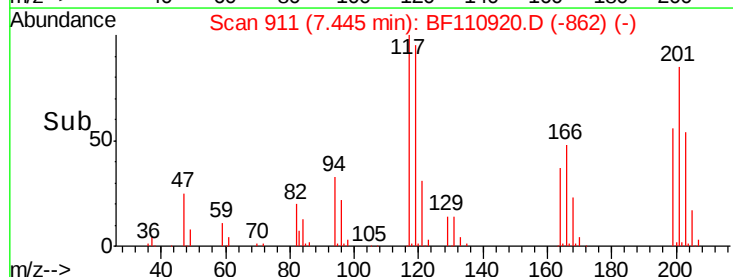
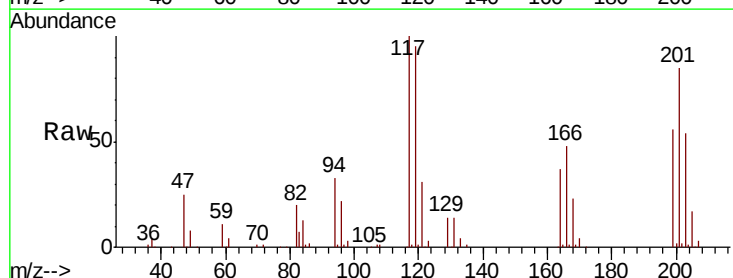
Instrument :  
BNA\_F  
ClientSampleId :

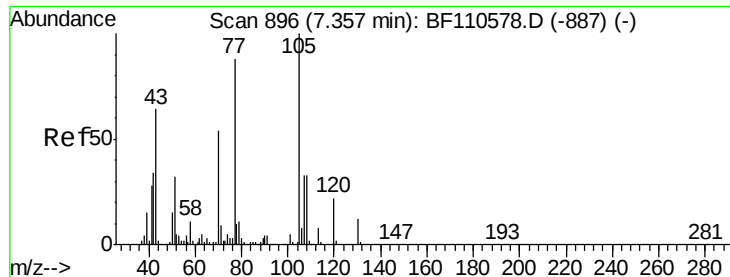
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.9 | 92.6  | 138.8 |
| 77      | 49.2  | 59.4  | 89.2# |
| 79      | 49.2  | 54.0  | 81.0# |



#18  
Hexachloroethane  
Concen: 40.392 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.5  | 75.0  | 112.6 |
| 201     | 84.8  | 79.2  | 118.8 |

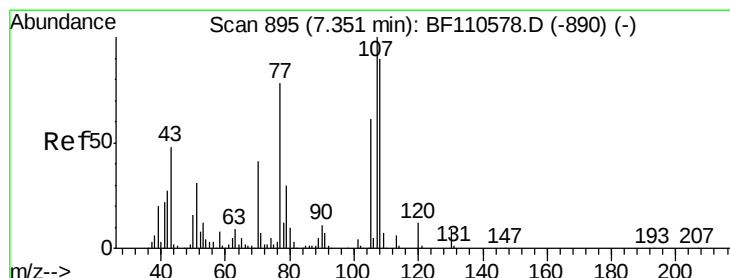
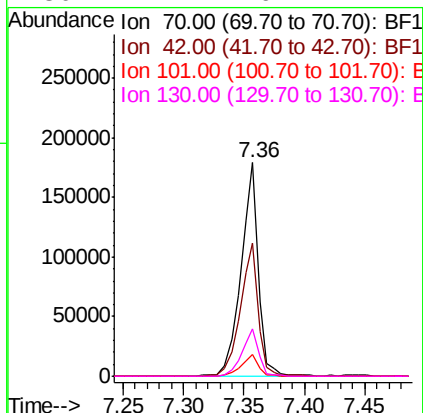
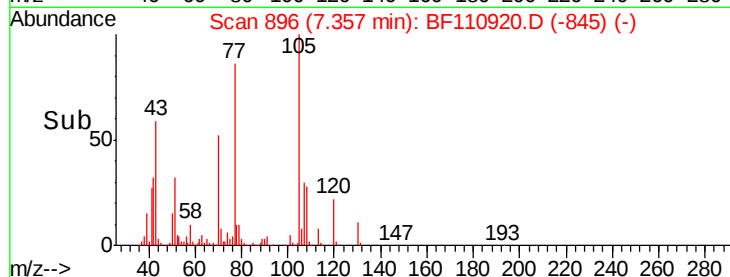
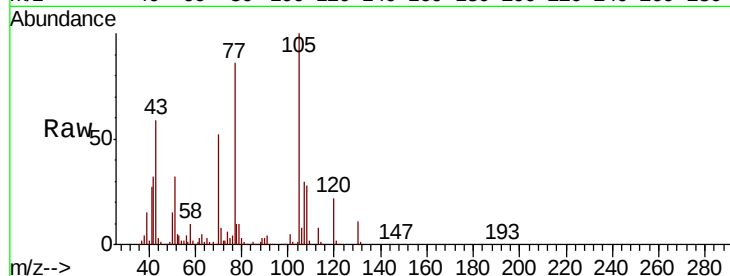




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.408 ng  
RT: 7.36 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

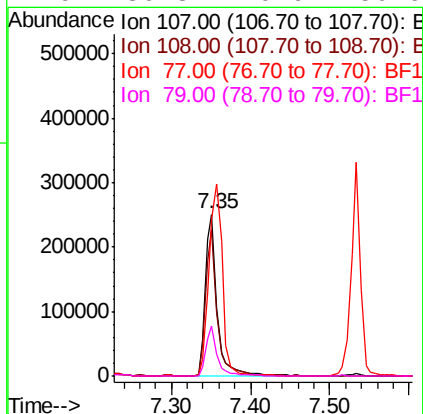
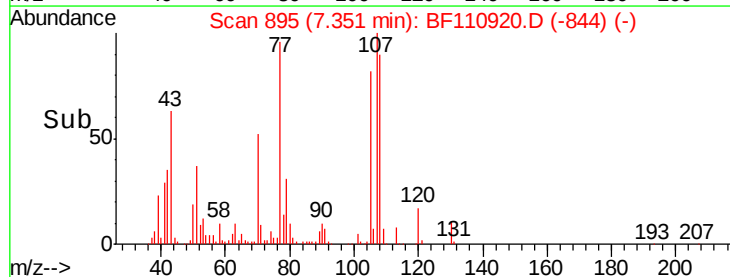
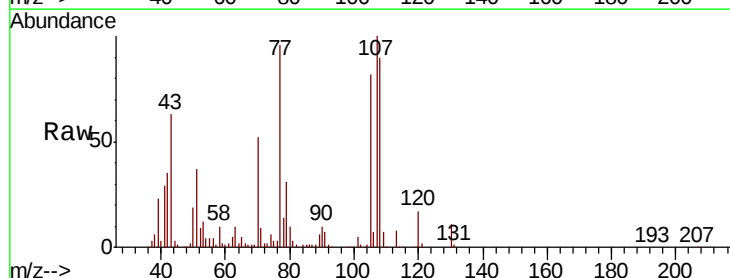
Instrument :  
BNA\_F  
ClientSampleId :

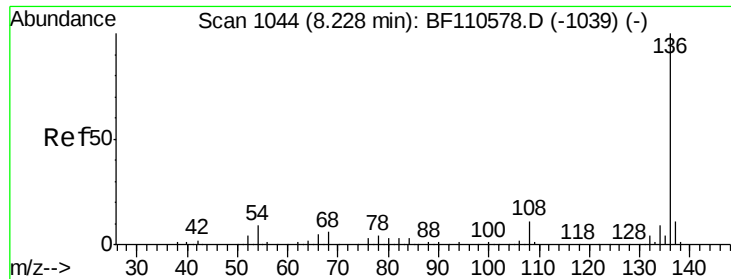
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 178909 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 62.3  | 47.4  | 71.2   |
| 101      | 10.1  | 7.3   | 10.9   |
| 130      | 22.1  | 16.2  | 24.2   |



#20  
3+4-Methylphenols  
Concen: 40.260 ng  
RT: 7.35 min Scan# 895  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 261544 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.5  | 71.4  | 111.4  |
| 77       | 96.4  | 47.3  | 87.3   |
| 79       | 30.8  | 10.9  | 50.9   |

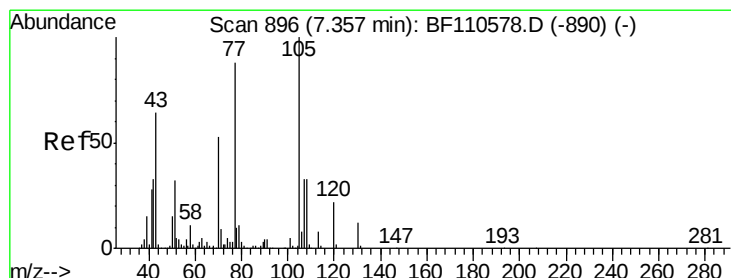
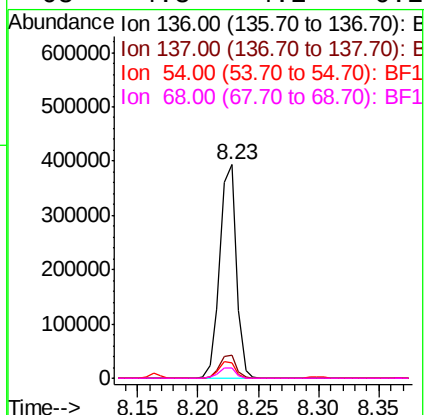
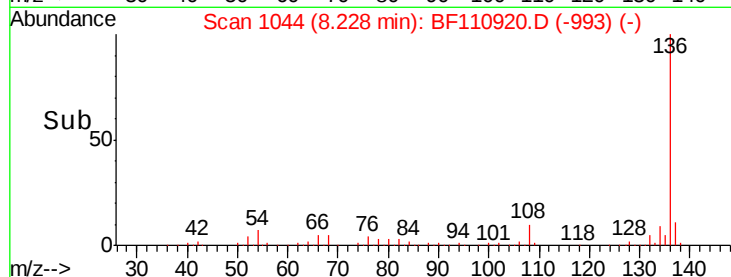
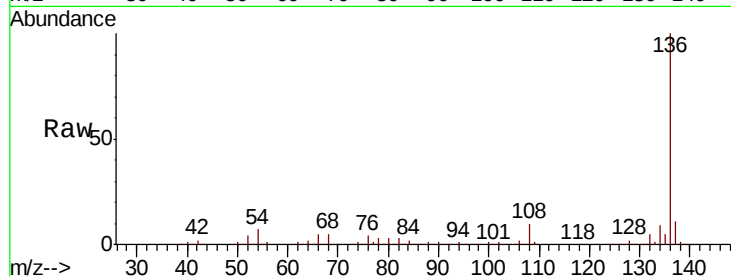




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

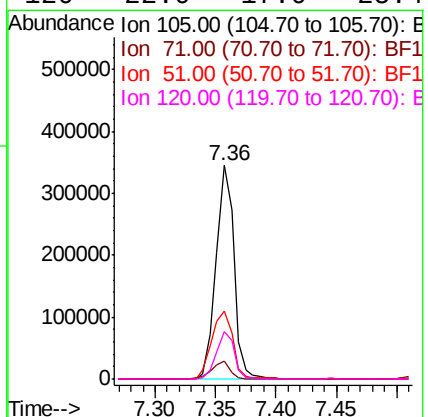
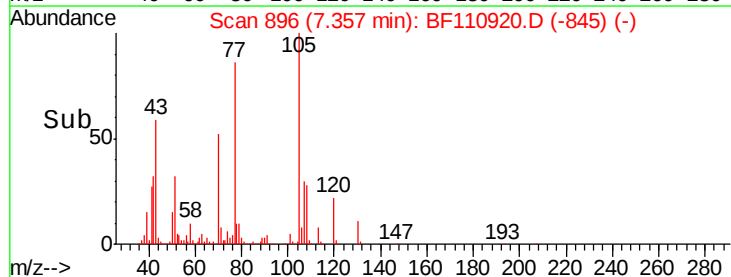
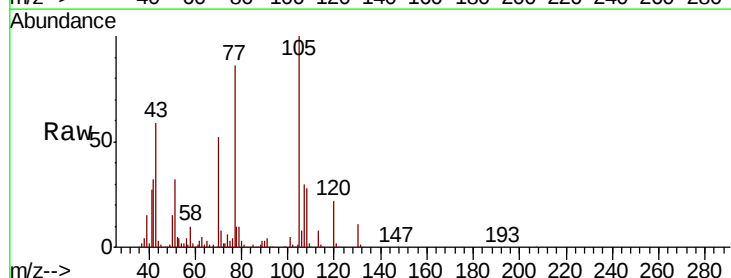
Instrument :  
BNA\_F  
ClientSampleId :

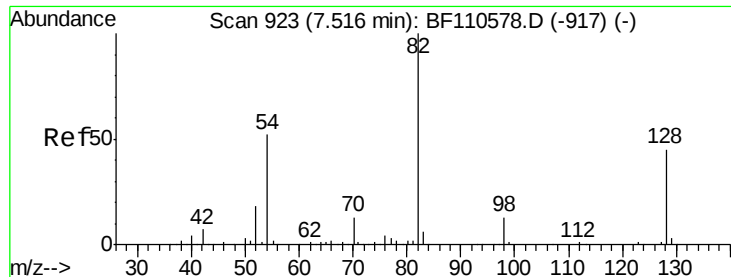
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 373103 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.9    | 8.8   | 13.2   |
| 54 7.5      | 5.4   | 8.2    |
| 68 4.8      | 4.2   | 6.2    |



#22  
Acetophenone  
Concen: 40.468 ng  
RT: 7.36 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 351886 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 8.3     | 5.2   | 7.8#   |
| 51  | 32.1    | 21.8  | 32.8   |
| 120 | 22.0    | 17.0  | 25.4   |

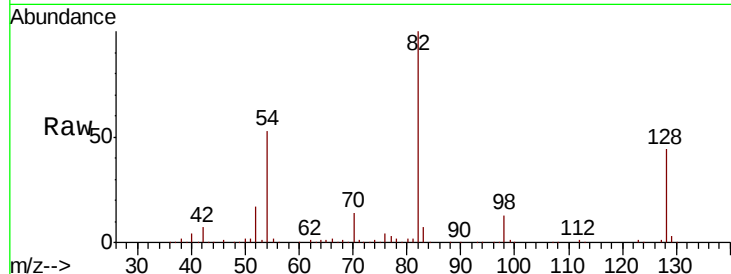




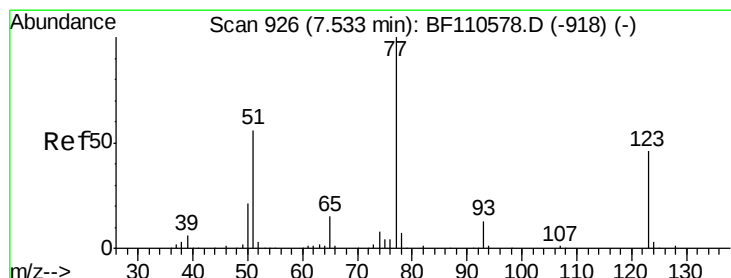
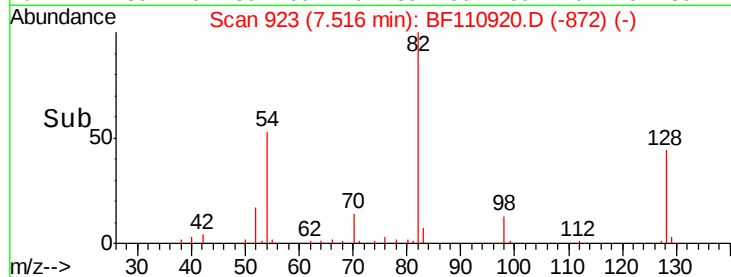
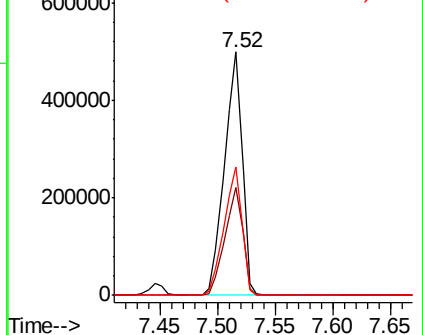
#23  
 Nitrobenzene-d5  
 Concen: 82.479 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.1  | 34.2  | 51.2  |
| 54      | 52.9  | 38.6  | 58.0  |

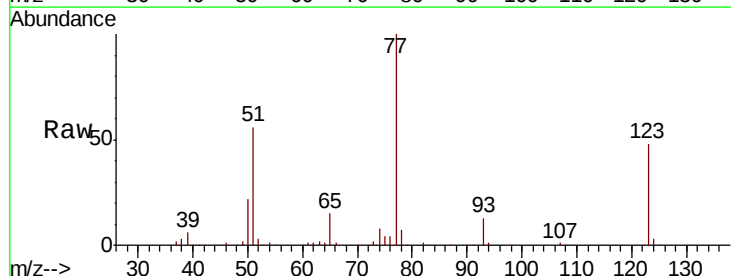


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

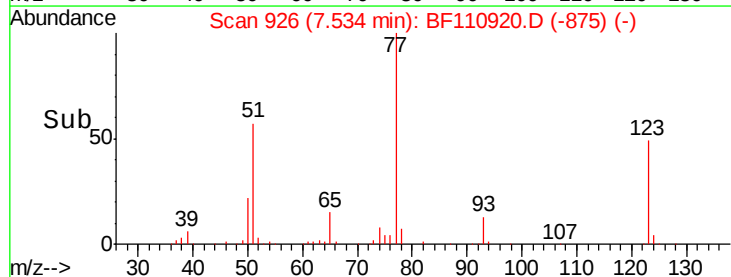
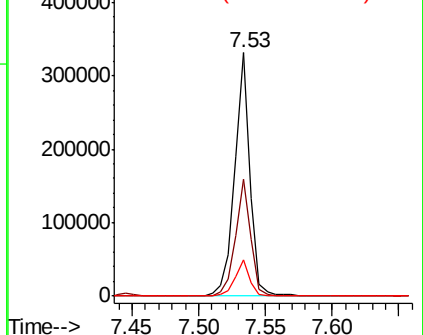


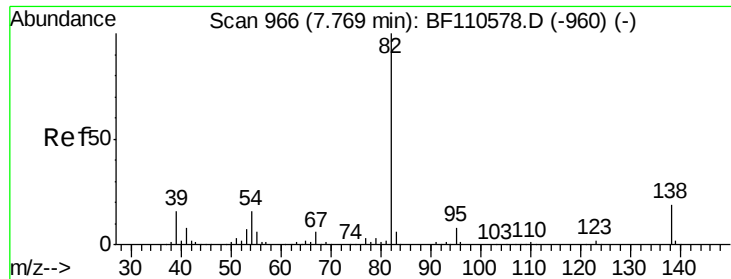
#24  
 Nitrobenzene  
 Concen: 40.171 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.2  | 35.7  | 53.5  |
| 65      | 14.8  | 10.7  | 16.1  |



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: 40.025 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

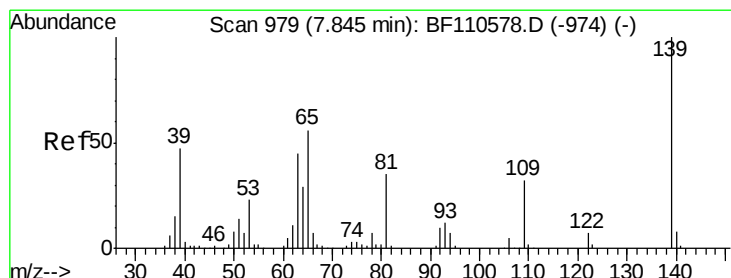
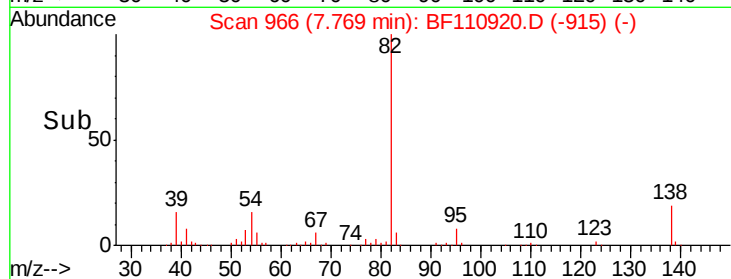
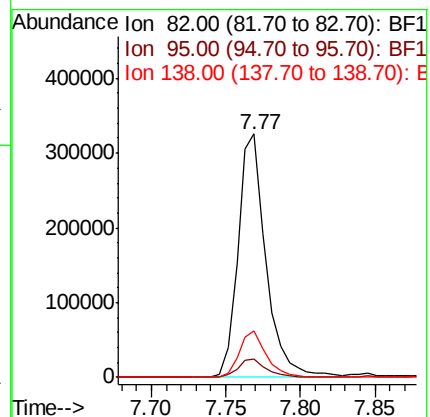
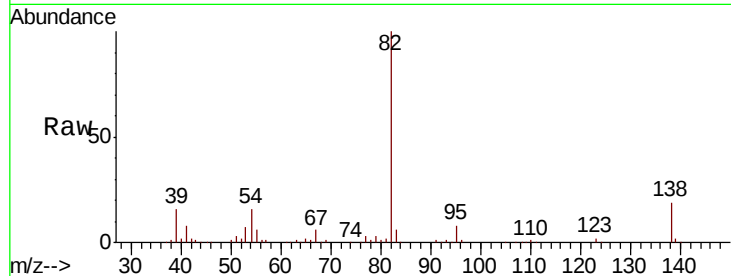
Tot Ion: 82 Resp: 425012

Ion Ratio Lower Upper

82 100

95 7.7 5.7 8.5

138 19.0 13.2 19.8



#26

2-Nitrophenol

Concen: 42.092 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

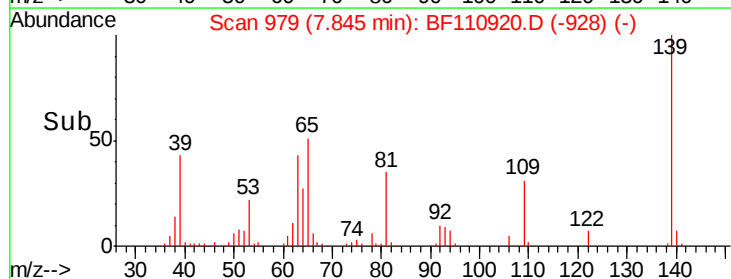
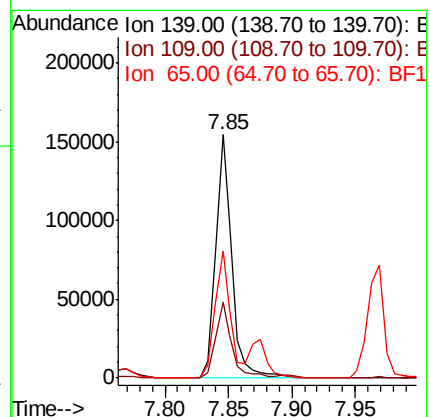
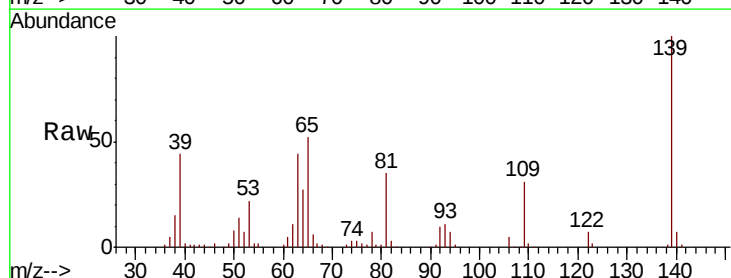
Tgt Ion: 139 Resp: 139385

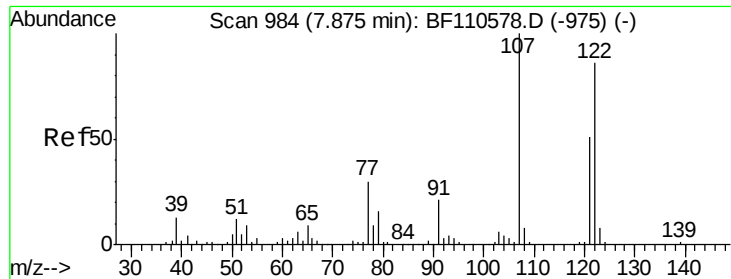
Ion Ratio Lower Upper

139 100

109 31.4 25.0 37.6

65 52.2 44.0 66.0

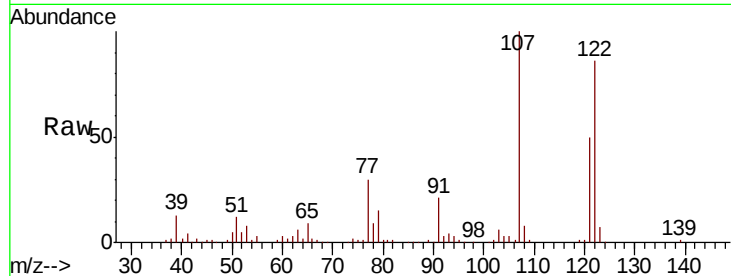




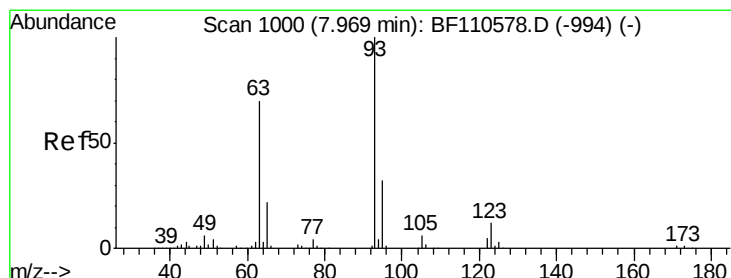
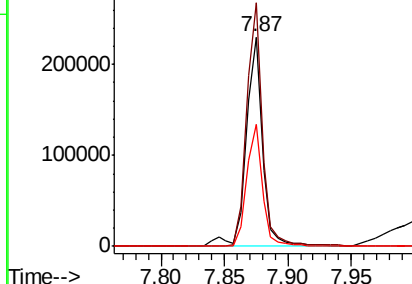
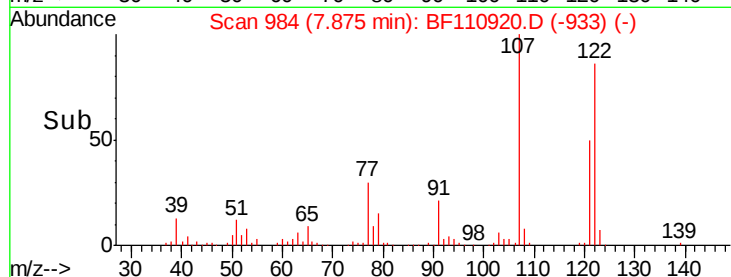
#27  
 2,4-Dimethylphenol  
 Concen: 40.900 ng  
 RT: 7.87 min Scan# 984  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 116.2 | 92.5  | 138.7 |
| 121     | 58.5  | 45.8  | 68.8  |

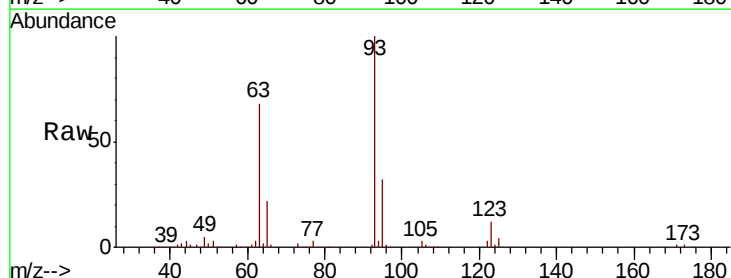


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

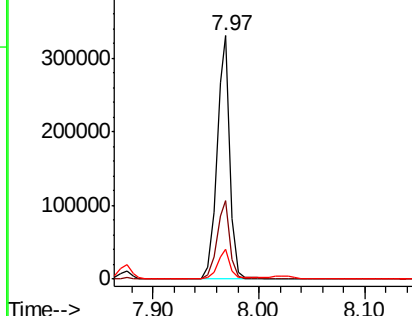
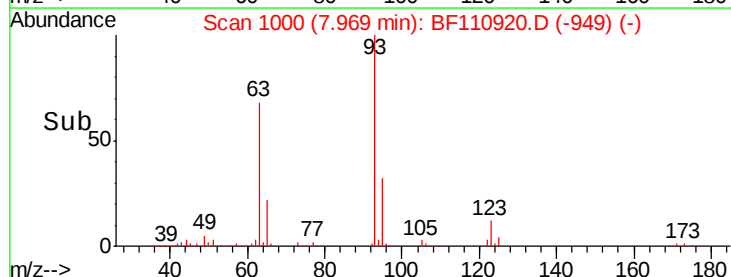


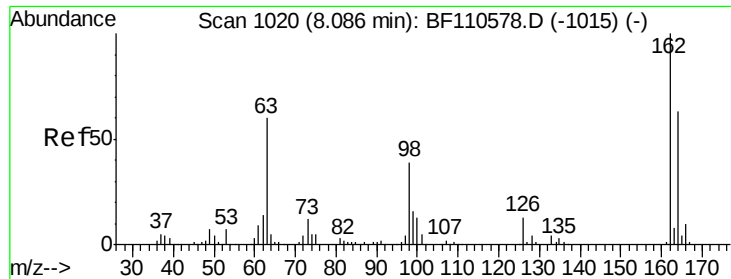
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.851 ng  
 RT: 7.97 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 26.4  | 39.6  |
| 123     | 12.0  | 9.0   | 13.6  |



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

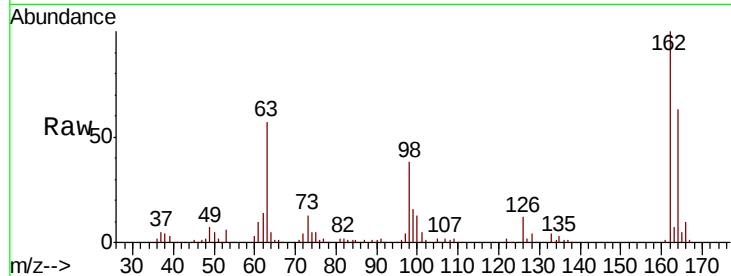




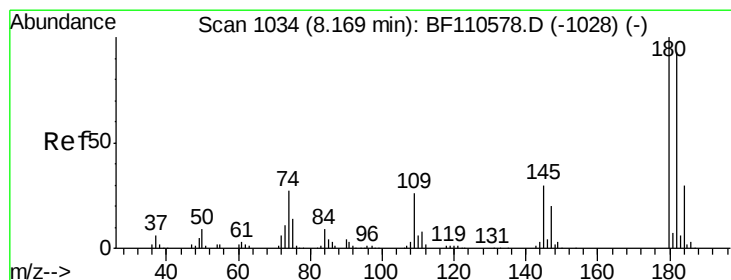
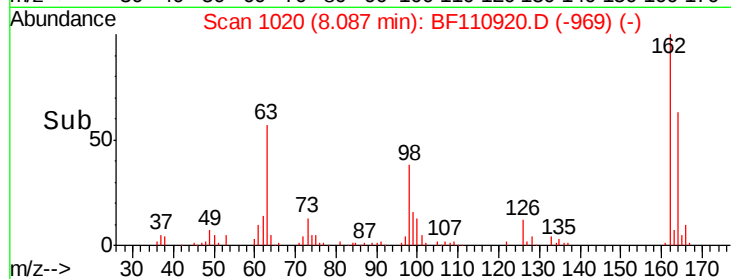
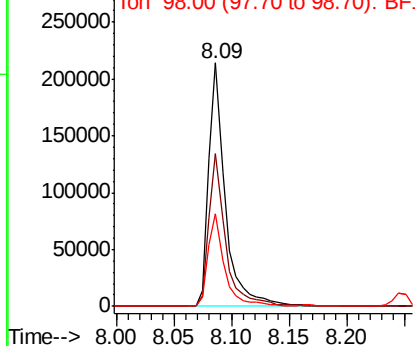
#29  
 2,4-Dichlorophenol  
 Concen: 41.422 ng  
 RT: 8.09 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.8  | 44.6  | 84.6  |
| 98      | 37.9  | 17.4  | 57.4  |

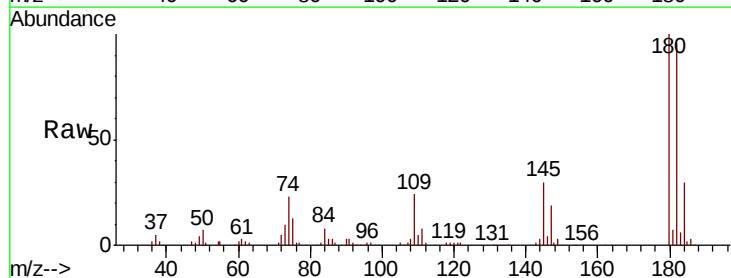


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

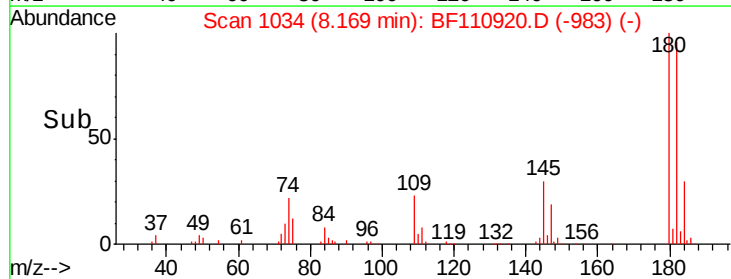
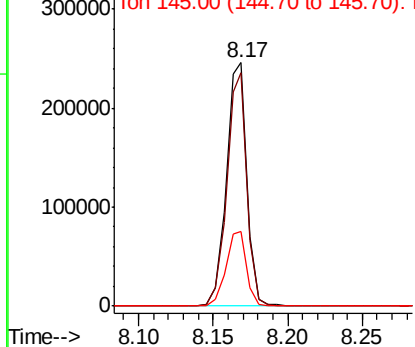


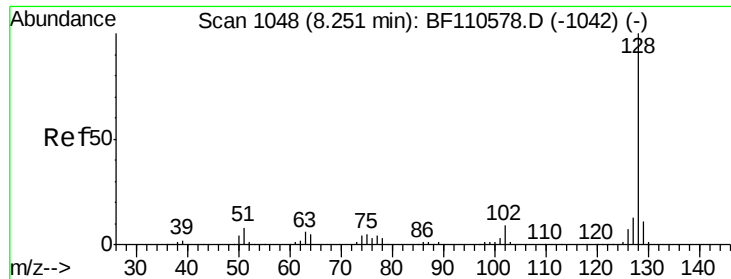
#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.835 ng  
 RT: 8.17 min Scan# 1034  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 80.3  | 120.5 |
| 145     | 30.4  | 25.4  | 38.0  |



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

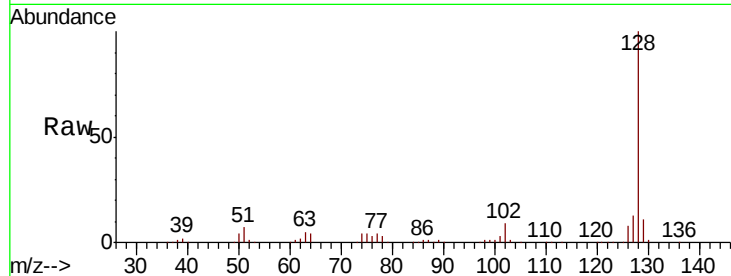




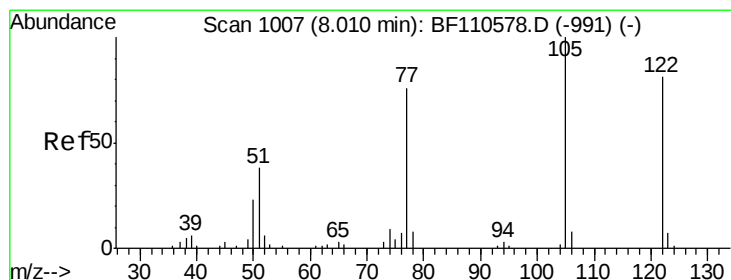
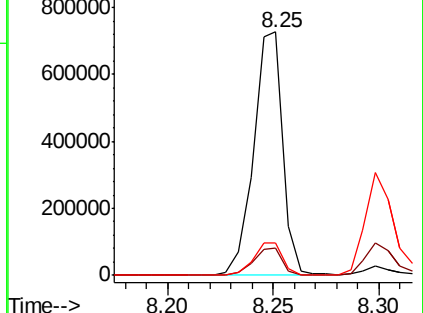
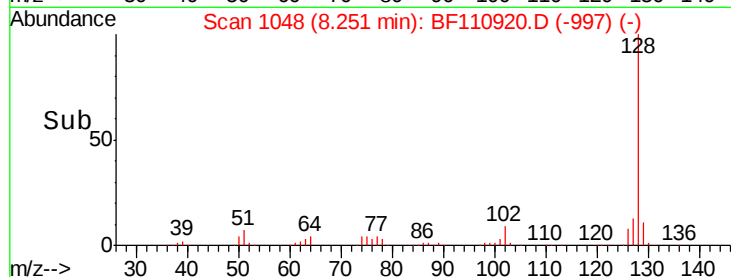
#31  
Naphthalene  
Concen: 39.949 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 699710  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.2 10.8 16.2

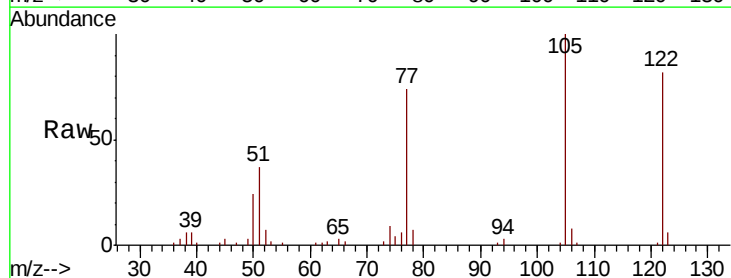


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

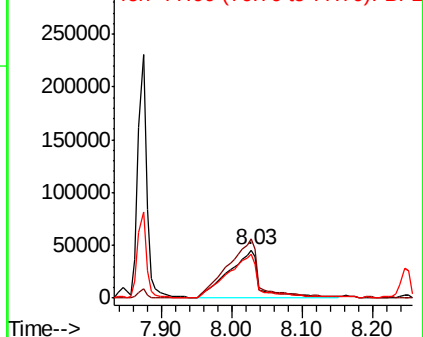
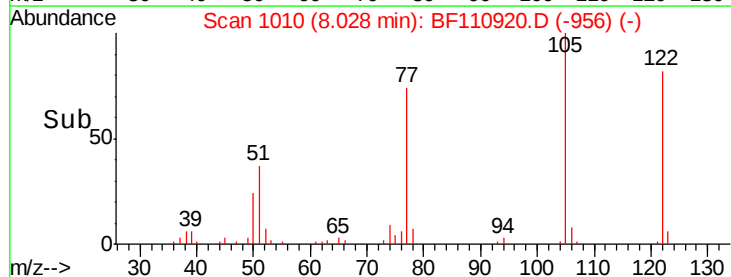


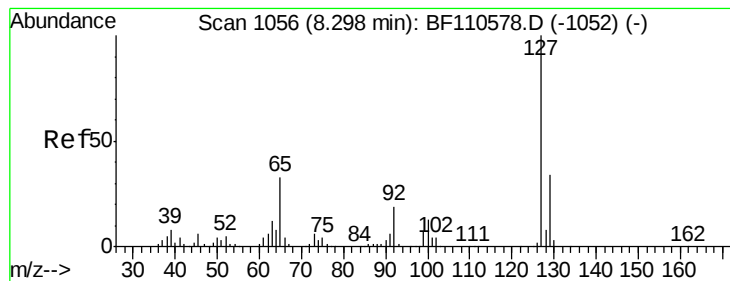
#32  
Benzoic acid  
Concen: 38.227 ng  
RT: 8.03 min Scan# 1010  
Delta R.T. 0.02 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:122 Resp: 136404  
Ion Ratio Lower Upper  
122 100  
105 122.5 109.0 149.0  
77 90.6 79.0 119.0



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: 39.055 ng

RT: 8.30 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF110920.D

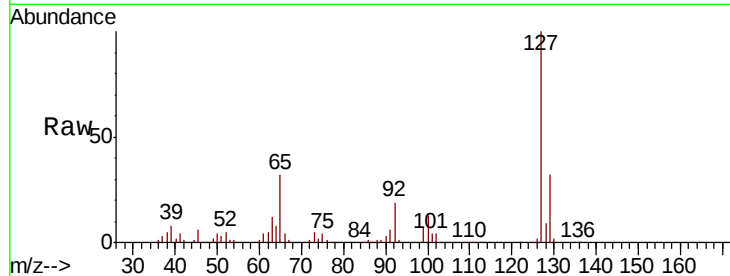
Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 309852 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 26.0  | 39.0   |
| 65       | 31.8  | 25.1  | 37.7   |
| 92       | 18.8  | 15.0  | 22.6   |

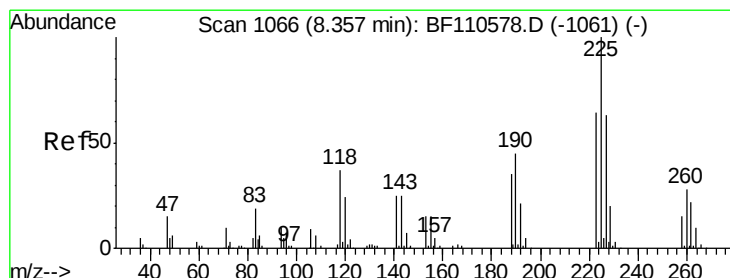
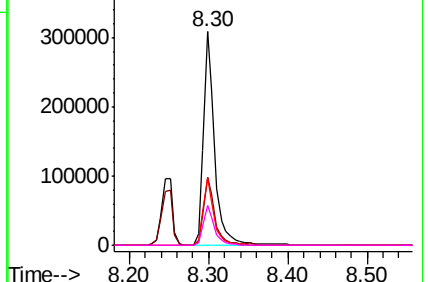
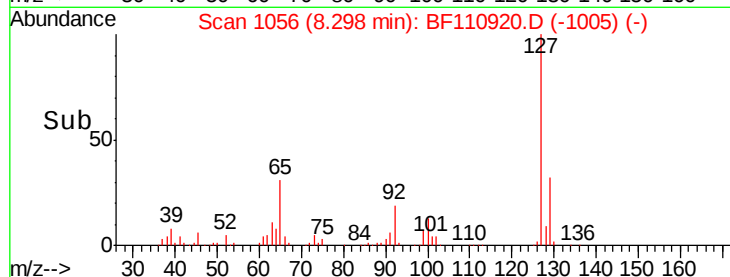


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 40.897 ng

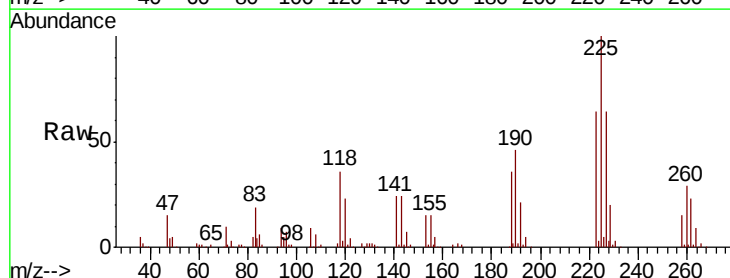
RT: 8.35 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

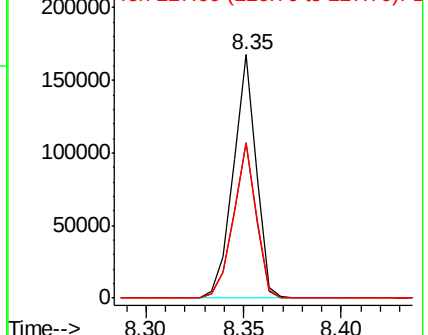
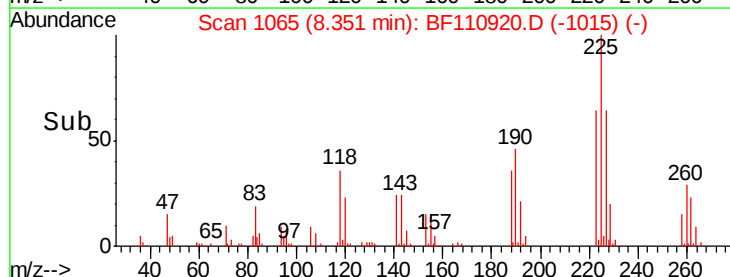
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 136670 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.5  | 51.4  | 77.2   |
| 227      | 63.6  | 51.0  | 76.6   |

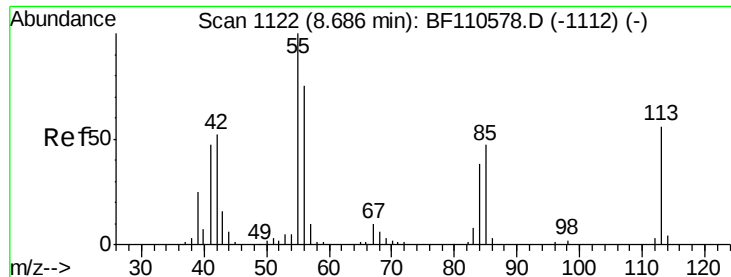


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

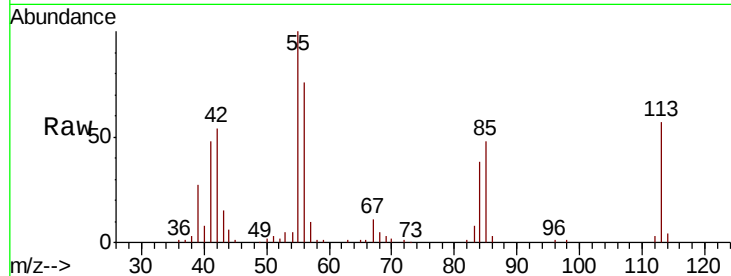




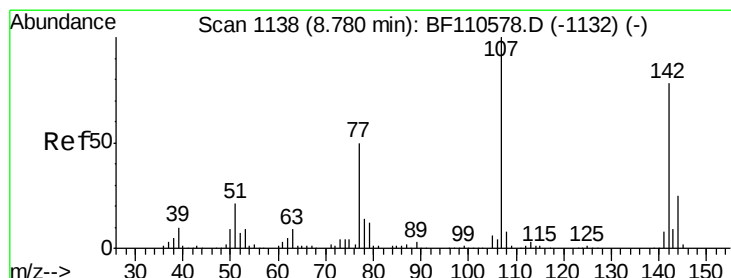
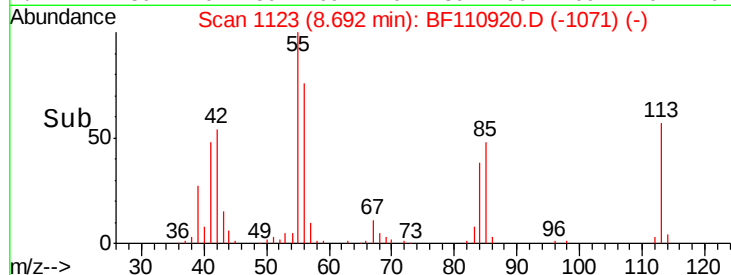
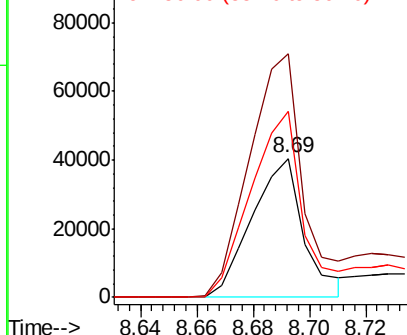
#35  
 Caprolactam  
 Concen: 29.888 ng  
 RT: 8.69 min Scan# 1123  
 Delta R.T. 0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 51817  
 Ion Ratio Lower Upper  
 113 100  
 55 175.6 142.8 182.8  
 56 133.7 105.0 145.0

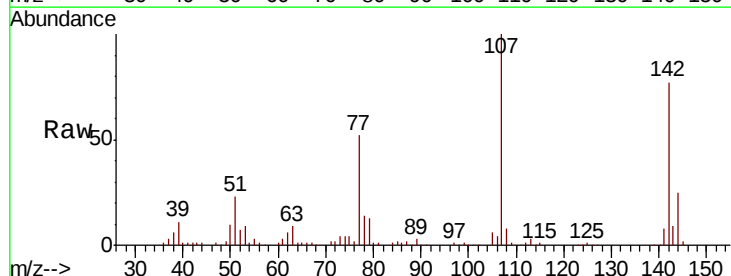


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

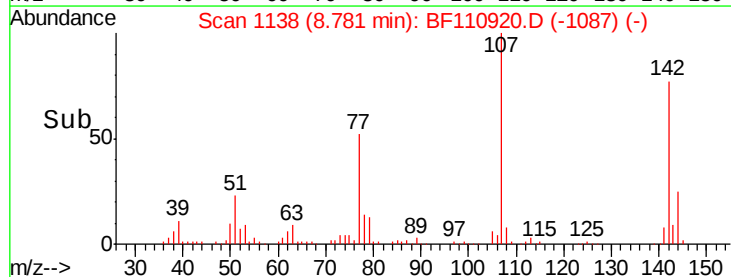
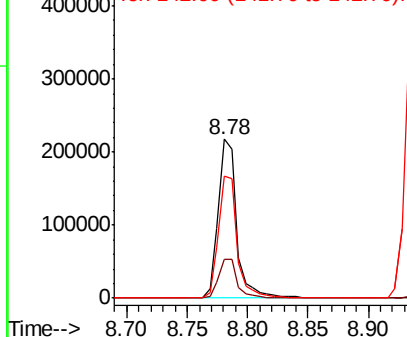


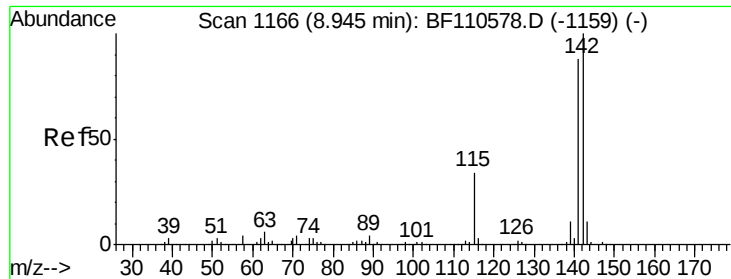
#36  
 4-Chloro-3-methylphenol  
 Concen: 40.913 ng  
 RT: 8.78 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Tgt Ion:107 Resp: 228971  
 Ion Ratio Lower Upper  
 107 100  
 144 24.6 20.0 30.0  
 142 76.6 59.7 89.5



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

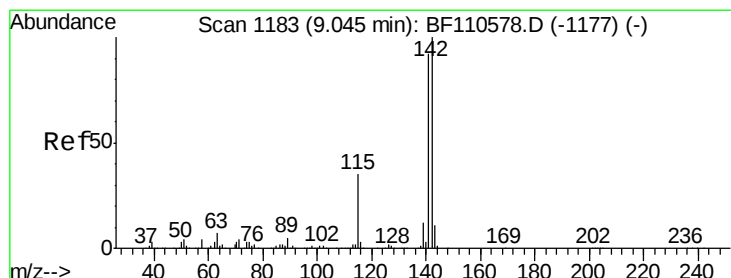
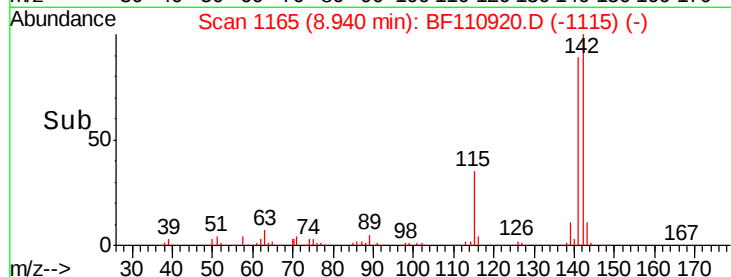
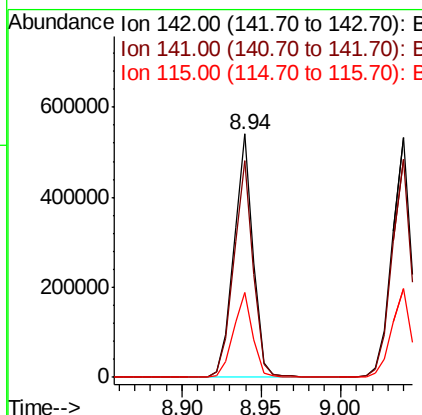
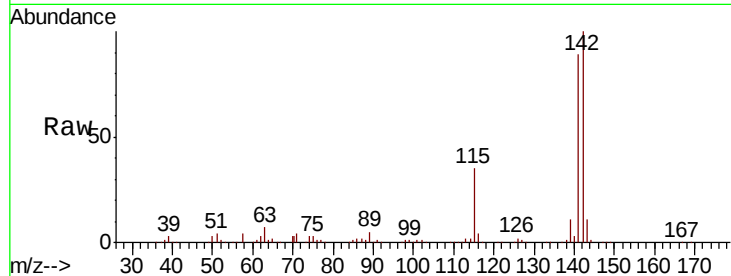




#37  
 2-Methylnaphthalene  
 Concen: 39.613 ng  
 RT: 8.94 min Scan# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

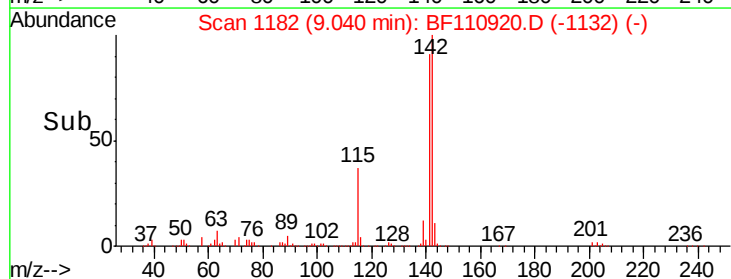
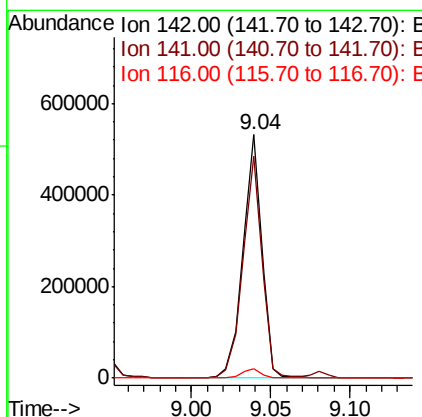
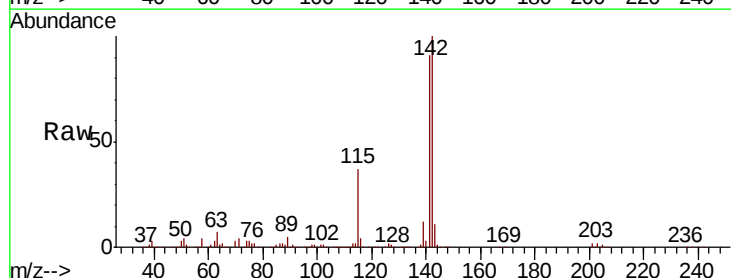
Instrument :  
 BNA\_F  
 ClientSampleId :

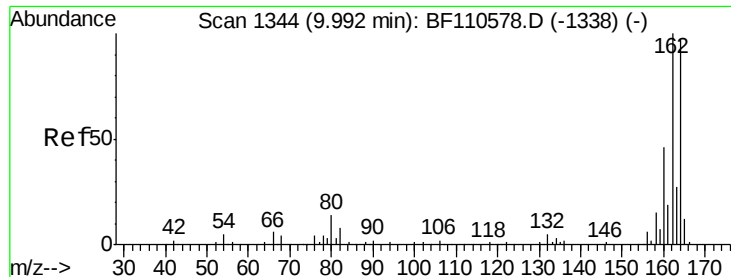
Tot Ion:142 Resp: 454841  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 71.4 107.2  
 115 34.9 28.7 43.1



#38  
 1-Methylnaphthalene  
 Concen: 39.534 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Tgt Ion:142 Resp: 436550  
 Ion Ratio Lower Upper  
 142 100  
 141 91.0 74.2 111.4  
 116 3.7 2.6 4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

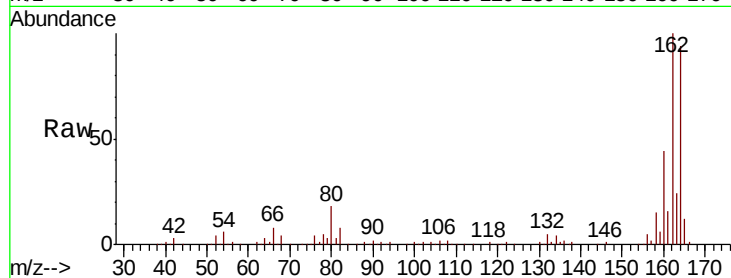
Tot Ion:164 Resp: 172161

Ion Ratio Lower Upper

164 100

162 106.9 83.0 124.6

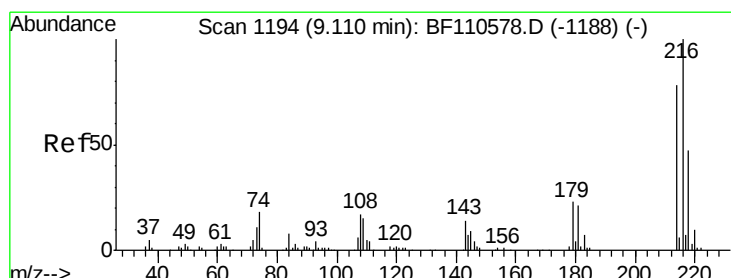
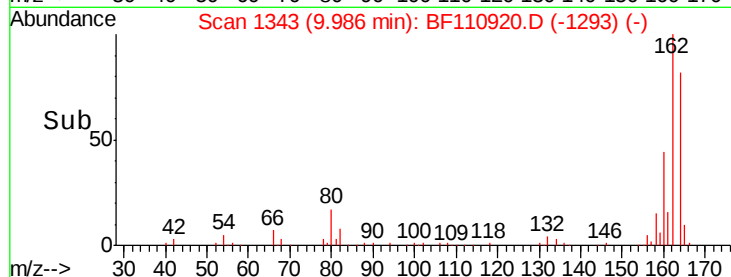
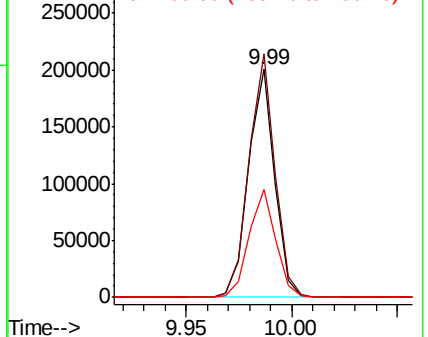
160 47.5 37.0 55.6



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.614 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Tgt Ion:216 Resp: 226777

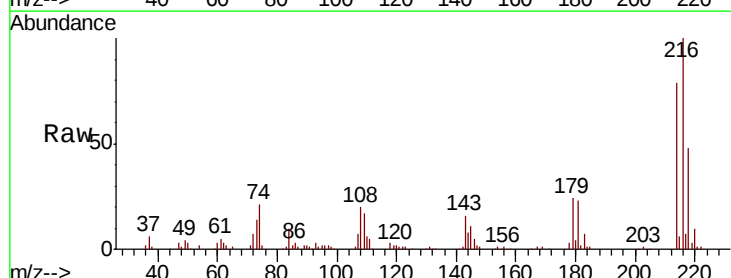
Ion Ratio Lower Upper

216 100

214 78.9 63.8 95.6

179 23.1 16.6 25.0

108 19.5 15.1 22.7

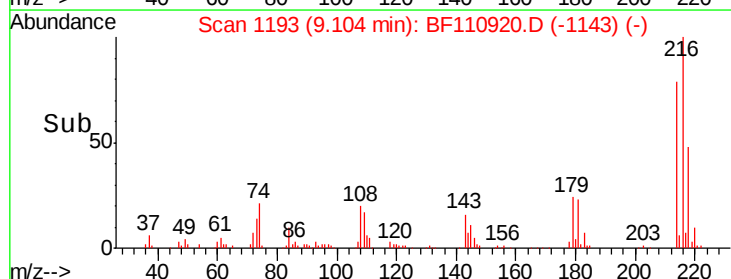
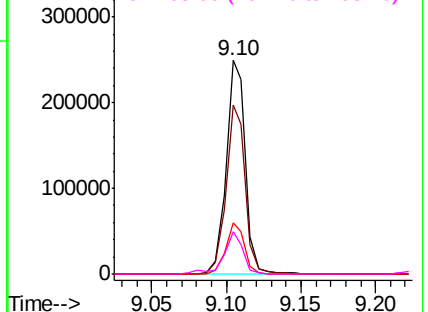


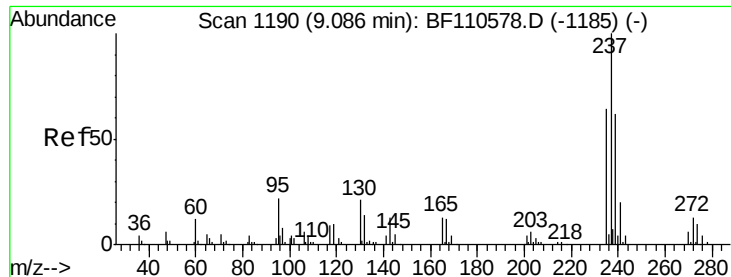
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 37.015 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

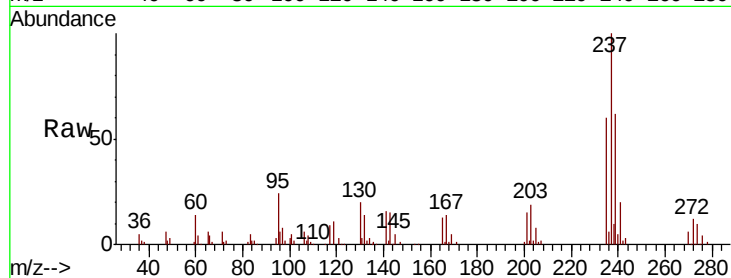
Tot Ion:237 Resp: 69014

Ion Ratio Lower Upper

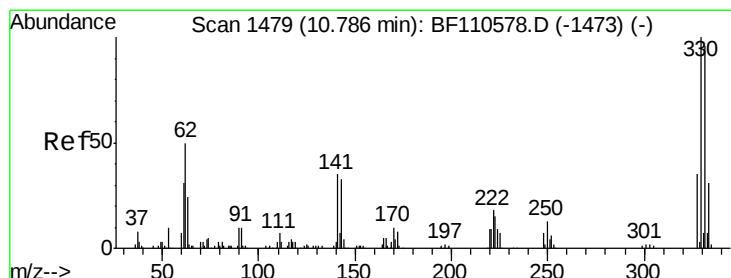
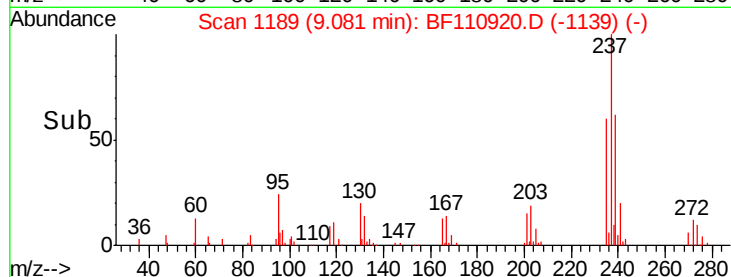
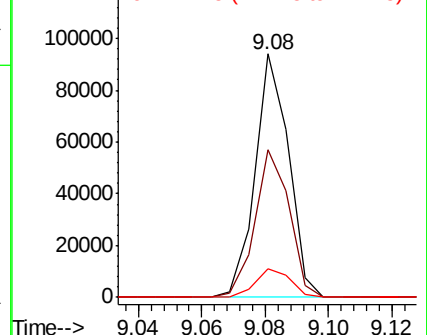
237 100

235 60.5 43.1 83.1

272 12.0 0.0 32.6



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



#42

2,4,6-Tribromophenol

Concen: 78.763 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

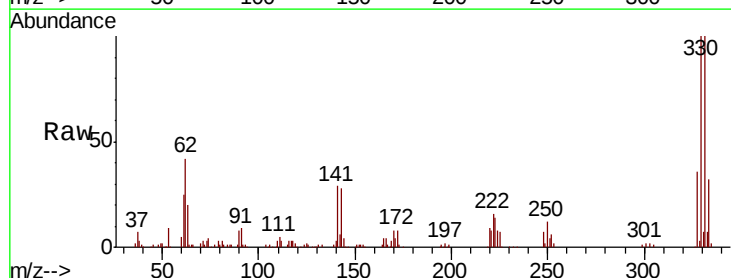
Tgt Ion:330 Resp: 136633

Ion Ratio Lower Upper

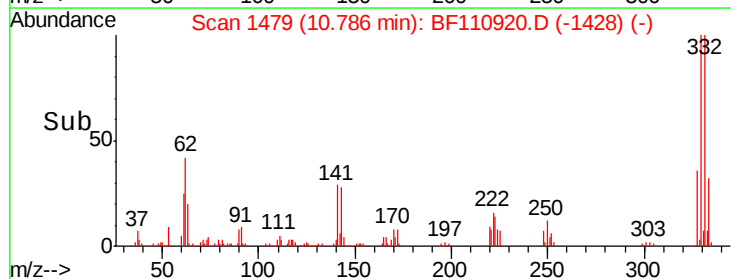
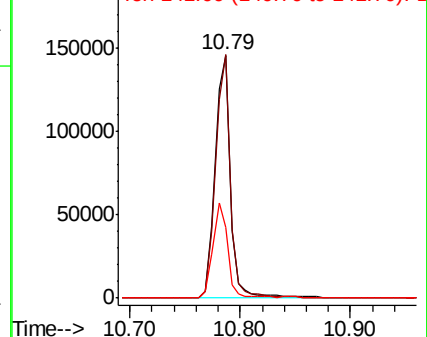
330 100

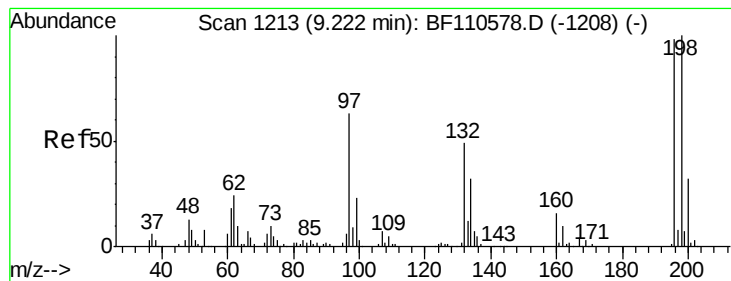
332 98.2 77.1 115.7

141 38.0 27.0 40.4



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





#43

2,4,6-Trichlorophenol

Concen: 40.467 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampled :

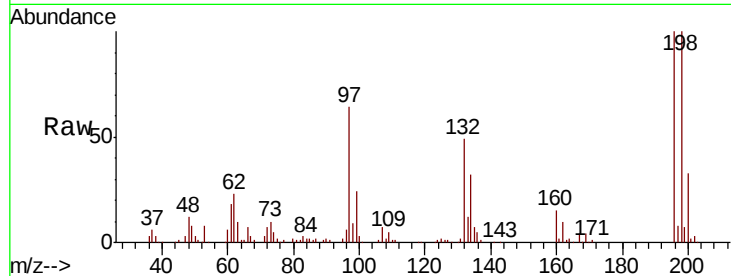
Tot Ion:196 Resp: 138580

Ion Ratio Lower Upper

196 100

198 99.6 76.2 114.4

200 32.8 24.4 36.6

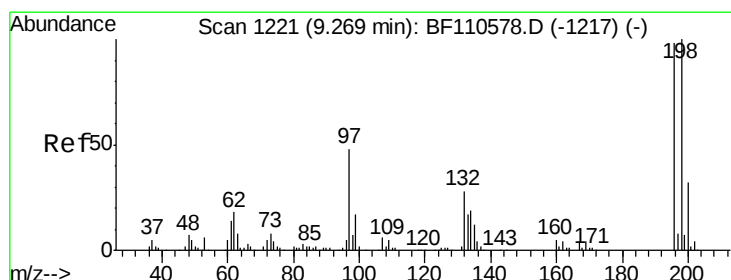
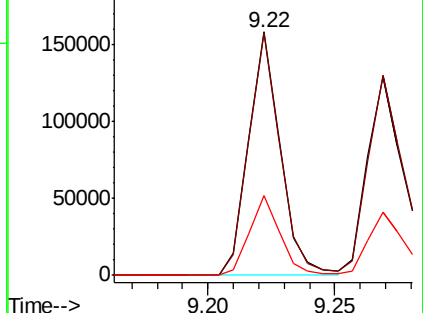
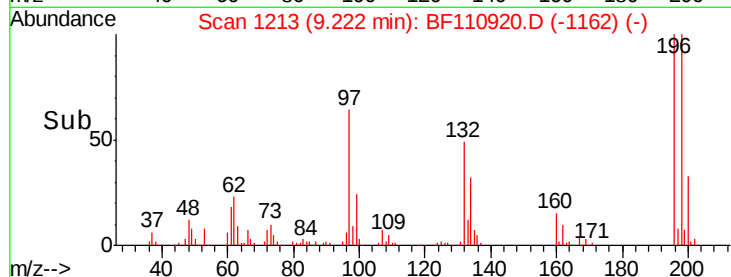


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 39.613 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Tgt Ion:196 Resp: 144703

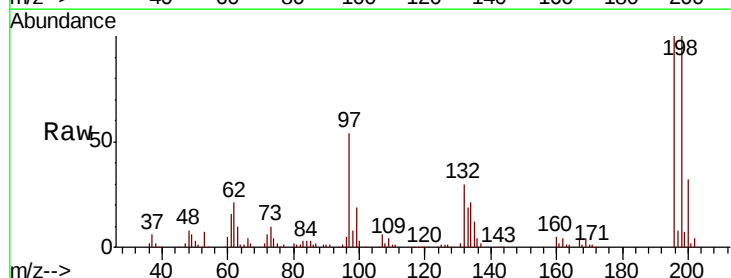
Ion Ratio Lower Upper

196 100

198 100.4 75.8 113.6

97 53.8 42.4 63.6

132 30.3 22.8 34.2



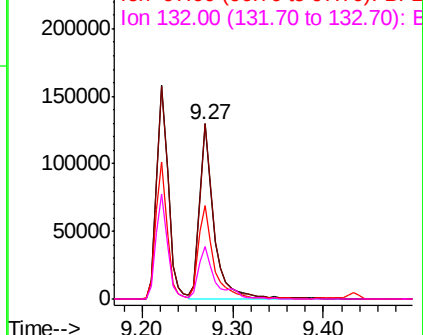
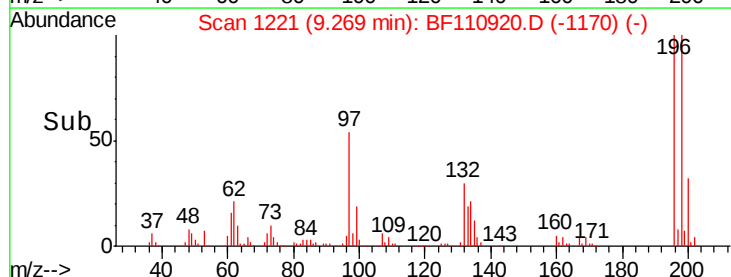
Abundance

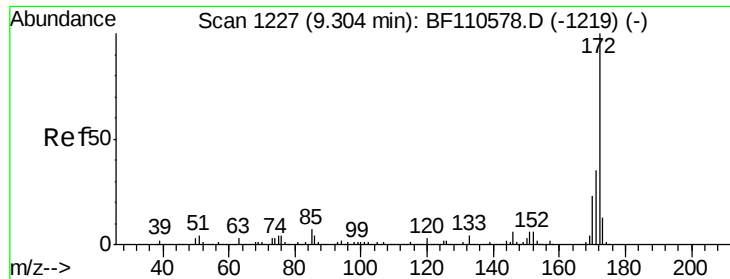
Ion 196.00 (195.70 to 196.70): E

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

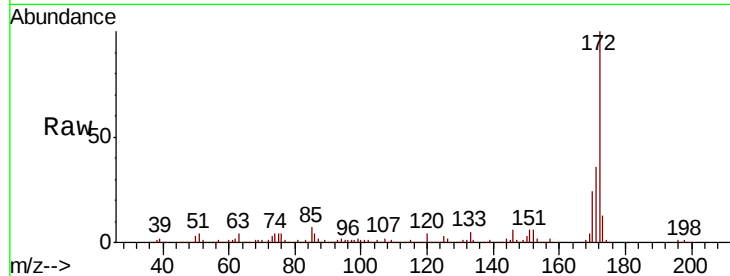




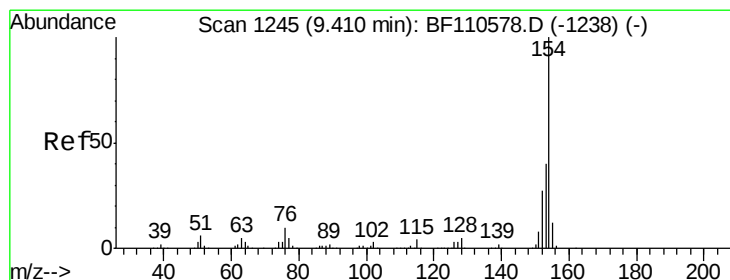
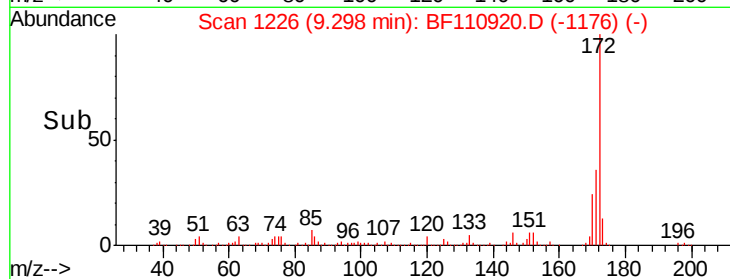
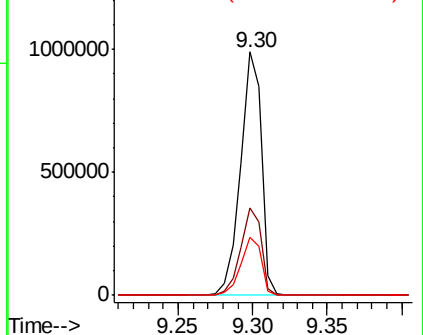
#45  
 2-Fluorobiphenyl  
 Concen: 79.835 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.6  | 43.0  |
| 170     | 23.7  | 19.7  | 29.5  |

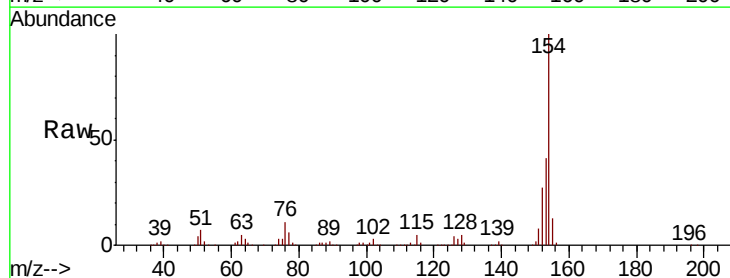


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

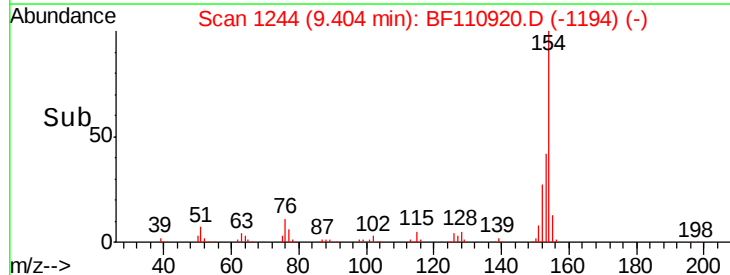
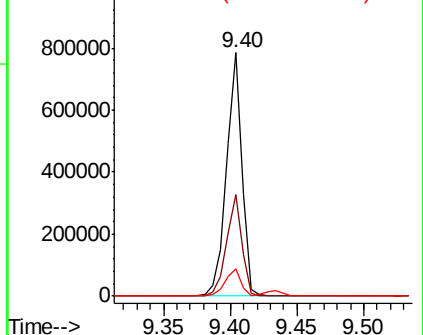


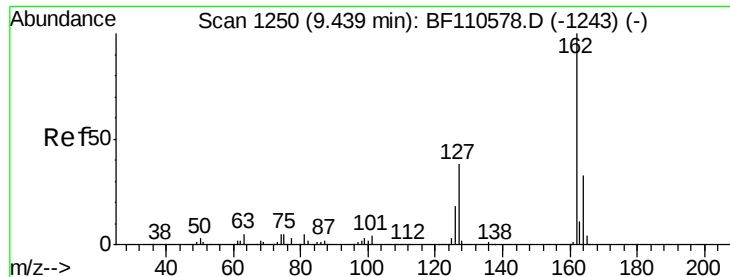
#46  
 1,1'-Biphenyl  
 Concen: 40.277 ng  
 RT: 9.40 min Scan# 1244  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.5  | 20.4  | 60.4  |
| 76      | 11.2  | 0.0   | 31.9  |



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

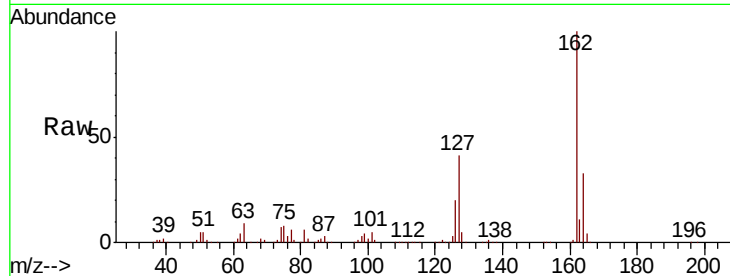




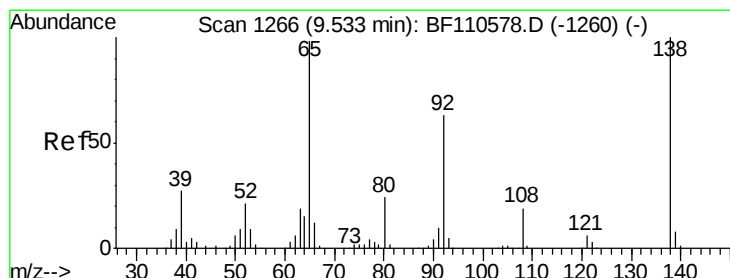
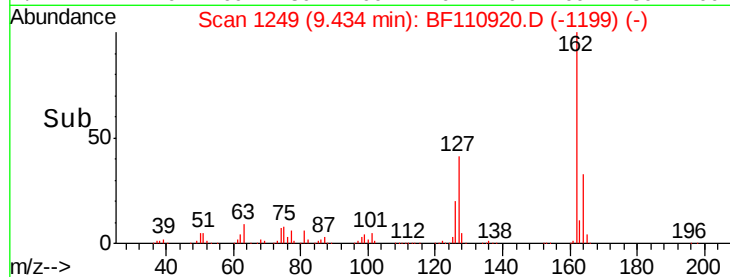
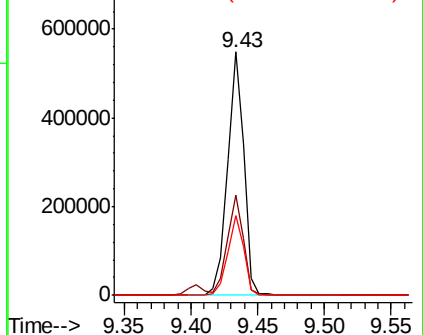
#47  
 2-Chloronaphthalene  
 Concen: 41.135 ng  
 RT: 9.43 min Scan# 1249  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 475942  
 Ion Ratio Lower Upper  
 162 100  
 127 41.4 32.6 48.8  
 164 32.9 25.9 38.9

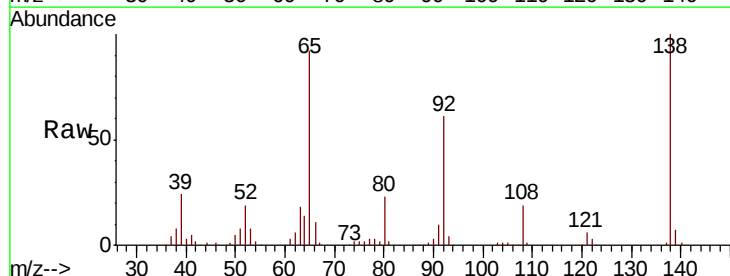


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

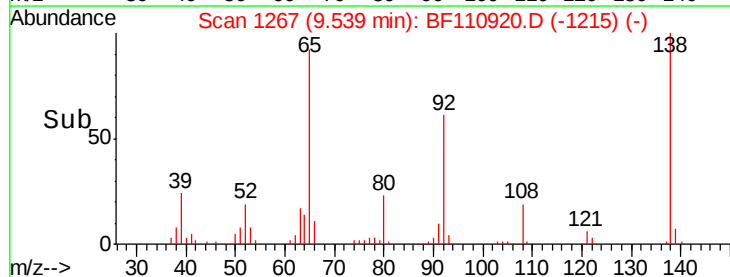
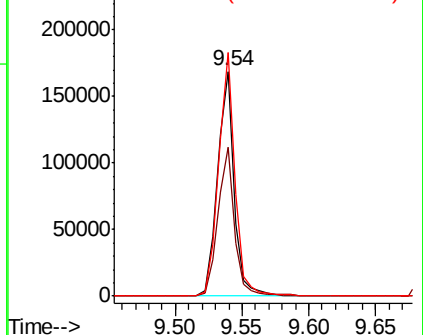


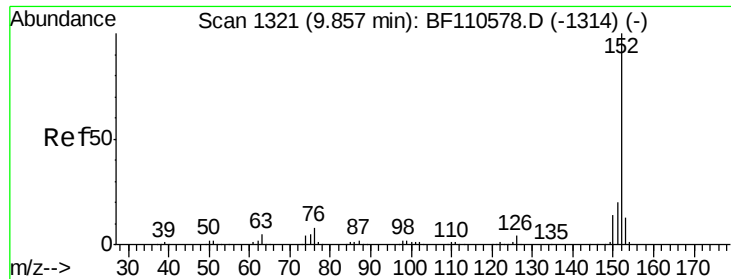
#48  
 2-Nitroaniline  
 Concen: 41.850 ng  
 RT: 9.54 min Scan# 1267  
 Delta R.T. 0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Tgt Ion: 65 Resp: 149218  
 Ion Ratio Lower Upper  
 65 100  
 92 66.0 54.6 81.8  
 138 108.3 80.3 120.5



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





#49

Acenaphthylene

Concen: 39.051 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

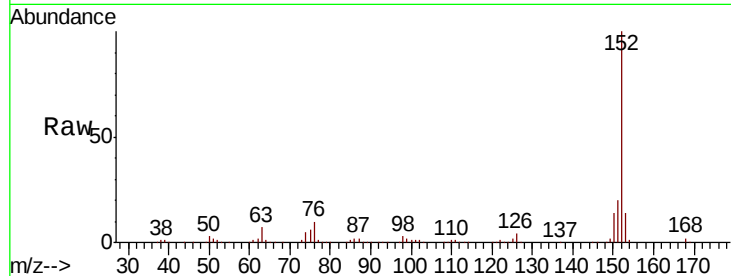
Instrument :

BNA\_F

ClientSampled :

Tot Ion:152 Resp: 650707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.1  | 15.8  | 23.8  |
| 153 | 13.9  | 10.4  | 15.6  |

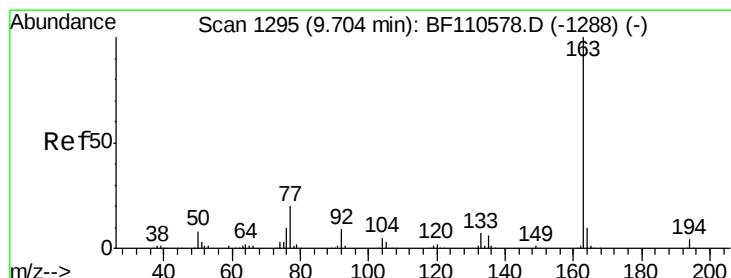
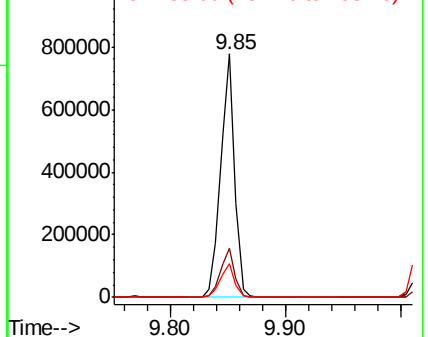
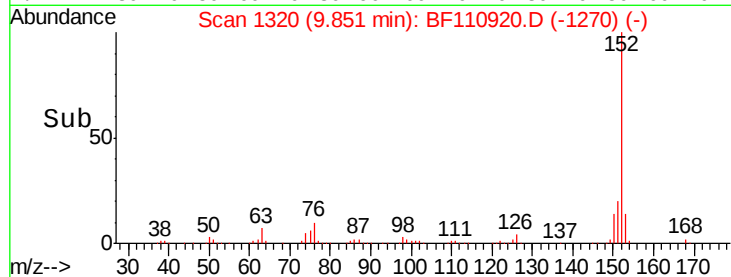


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.300 ng

RT: 9.70 min Scan# 1294

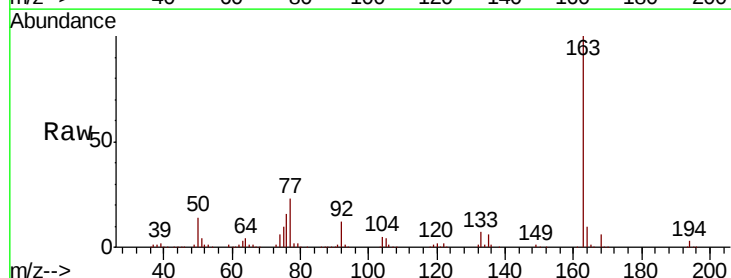
Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Tgt Ion:163 Resp: 504858

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 3.2   | 4.8   |
| 164 | 10.4  | 8.1   | 12.1  |

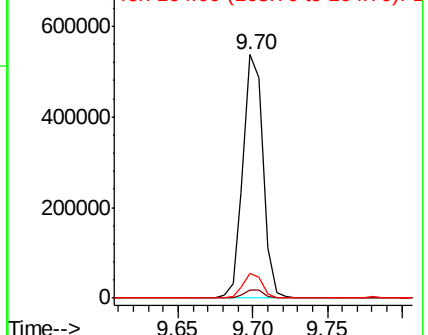
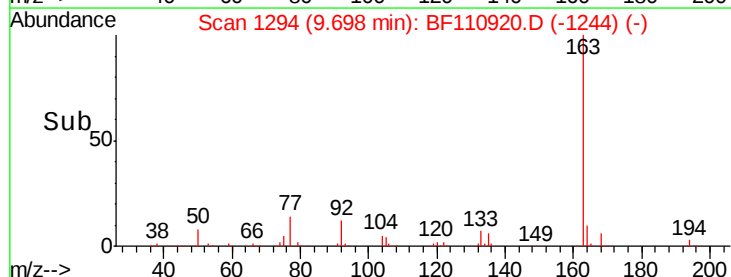


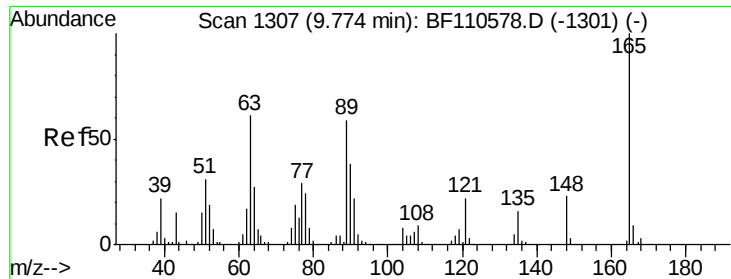
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 40.573 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampled :

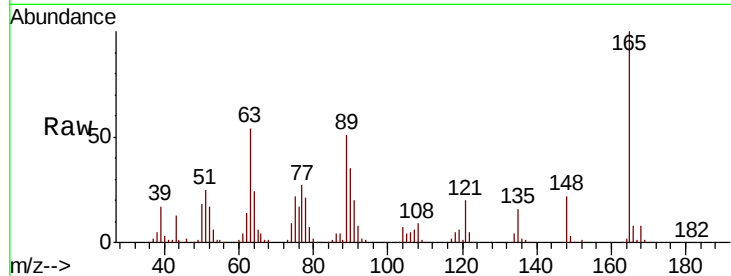
Tot Ion:165 Resp: 114656

Ion Ratio Lower Upper

165 100

63 54.1 48.9 73.3

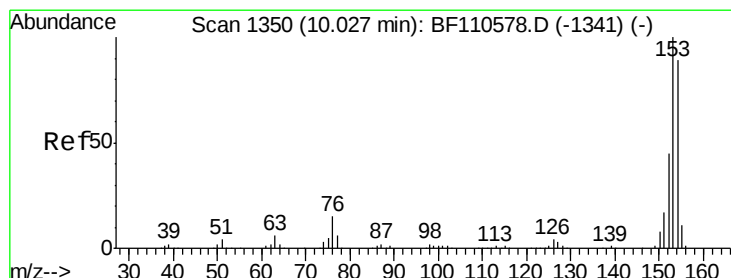
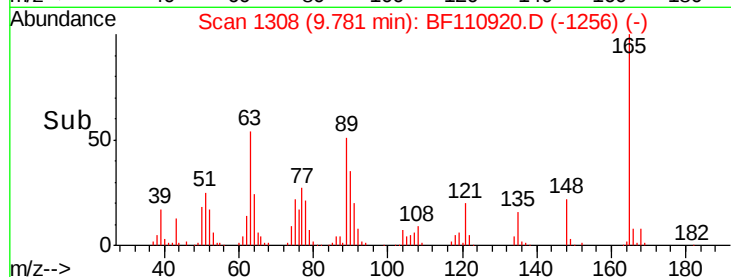
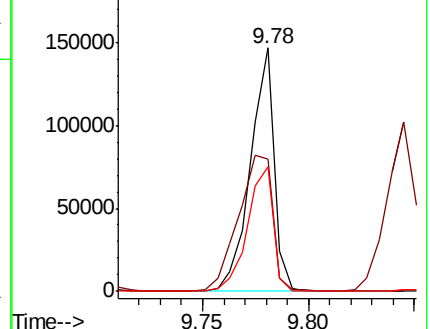
89 51.4 46.6 69.8



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



#52

Acenaphthene

Concen: 39.928 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

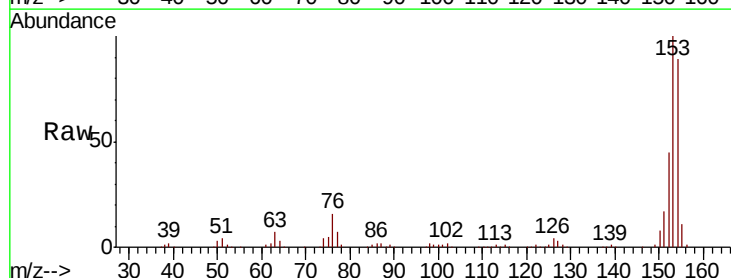
Tgt Ion:154 Resp: 420458

Ion Ratio Lower Upper

154 100

153 113.0 90.1 135.1

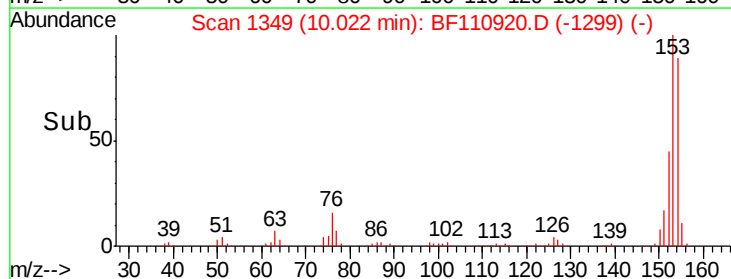
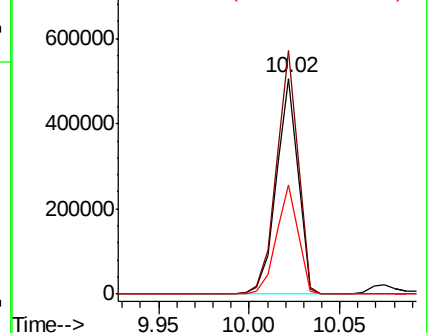
152 50.9 43.4 65.2

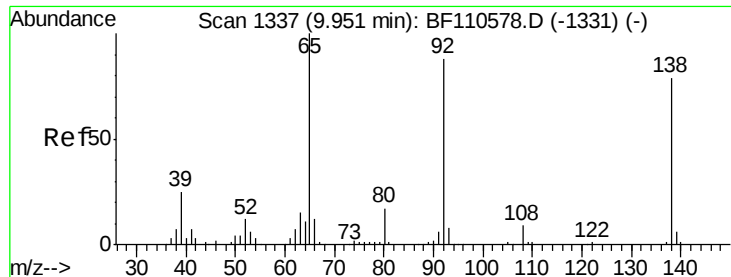


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

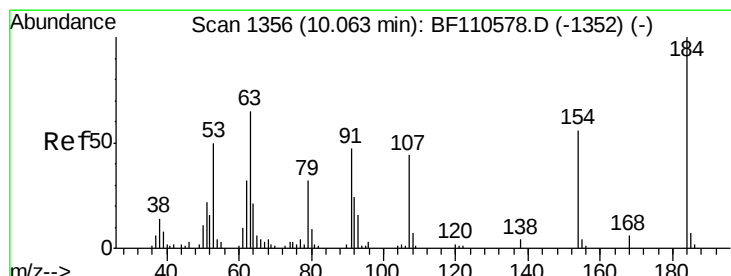
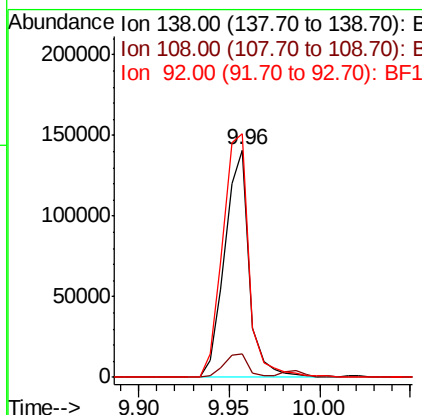
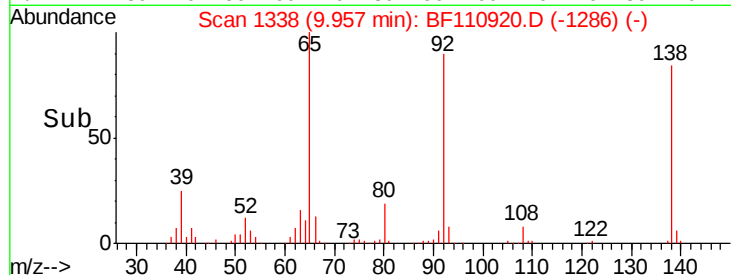
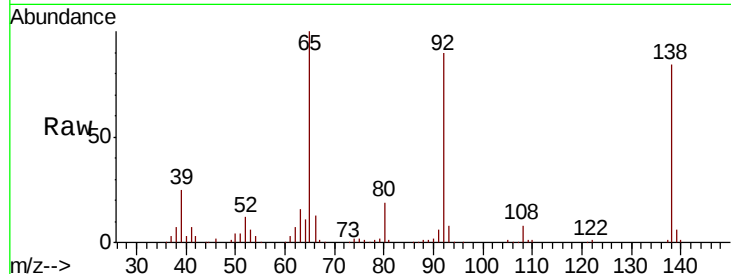




#53  
3-Nitroaniline  
Concen: 40.663 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

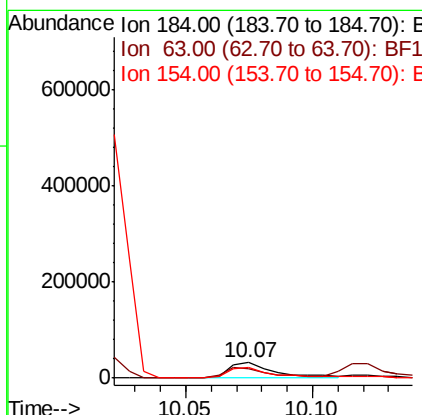
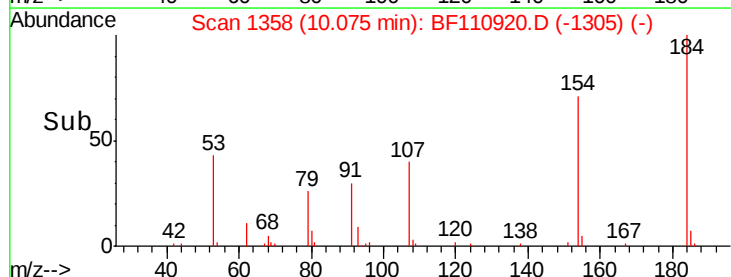
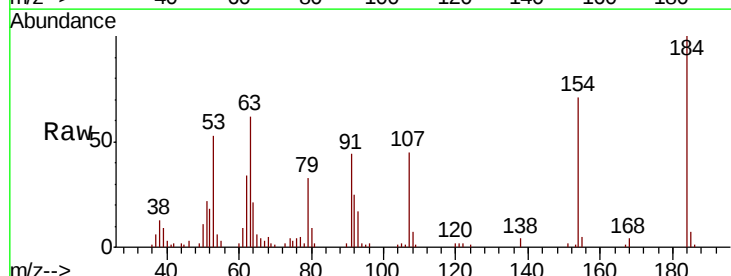
Instrument :  
BNA\_F  
ClientSampleId :

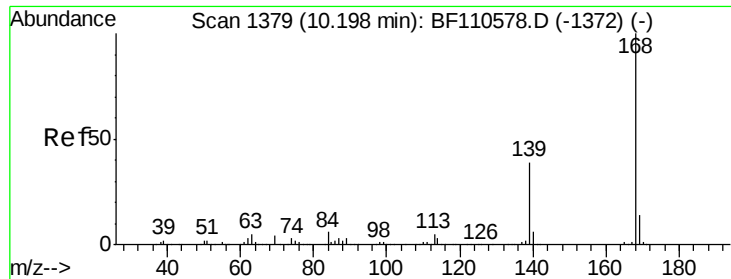
Tot Ion:138 Resp: 133128  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.7 13.1  
92 107.1 97.0 145.4



#54  
2,4-Dinitrophenol  
Concen: 38.543 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:184 Resp: 40474  
Ion Ratio Lower Upper  
184 100  
63 62.3 55.8 83.6  
154 71.0 63.2 94.8

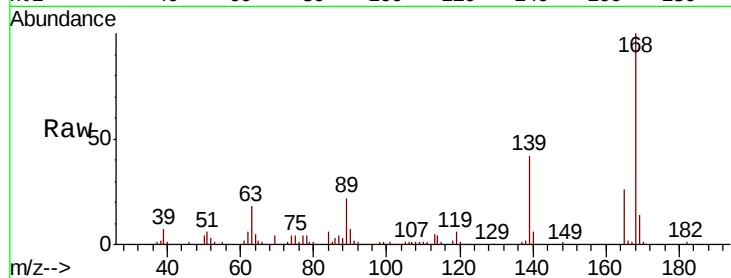




#55  
Dibenzofuran  
Concen: 38.907 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 42.3  | 33.0  | 49.6  |
| 169     | 13.7  | 11.3  | 16.9  |

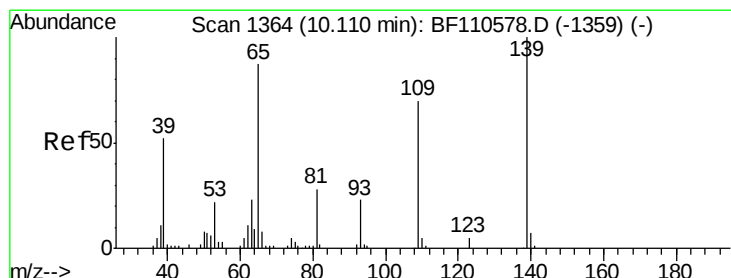
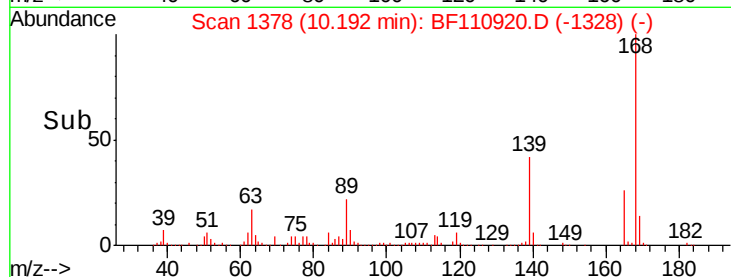
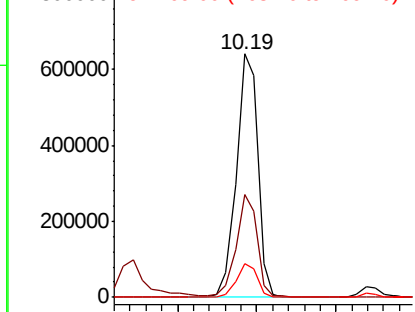


Abundance

Ion 168.00 (167.70 to 168.70): E

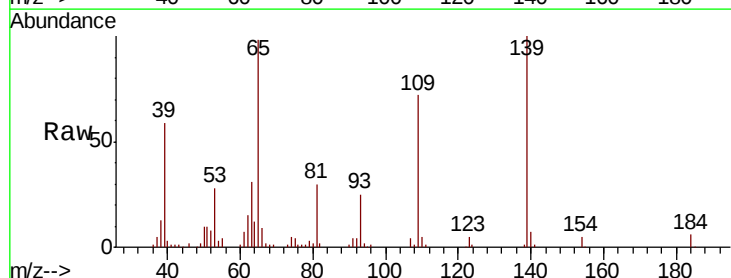
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 52.728 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 72.0  | 55.8  | 95.8  |
| 65      | 97.6  | 77.9  | 117.9 |

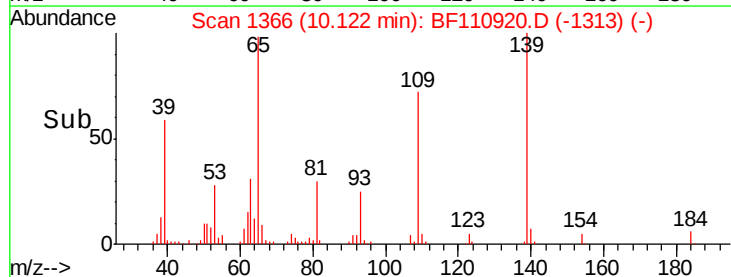
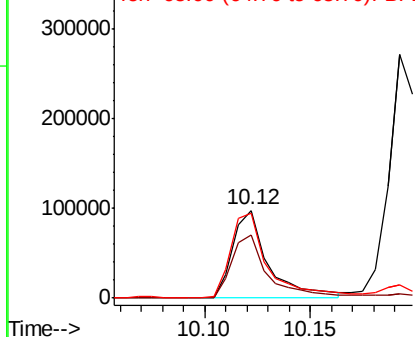


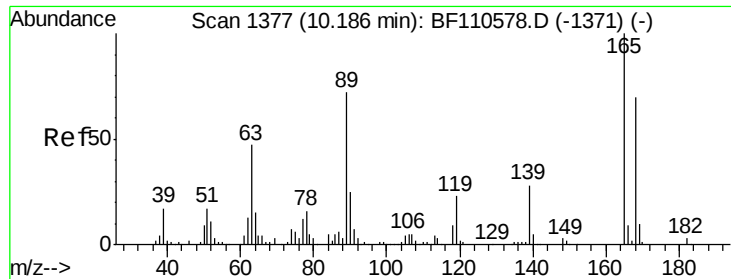
Abundance

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

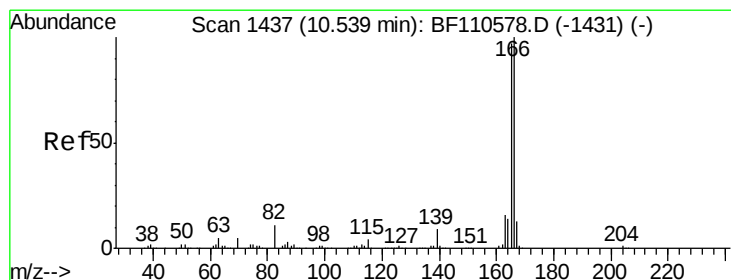
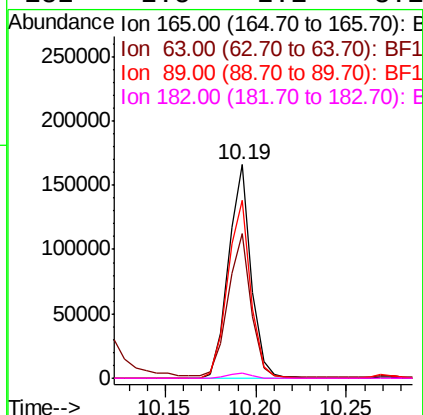
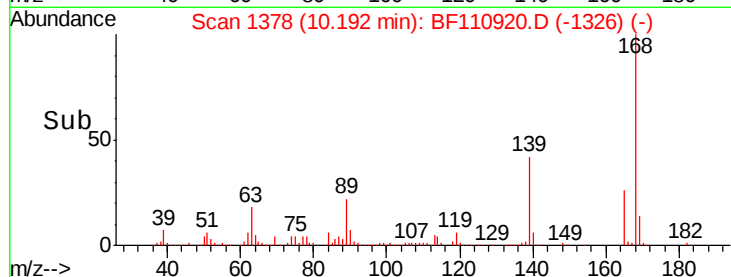
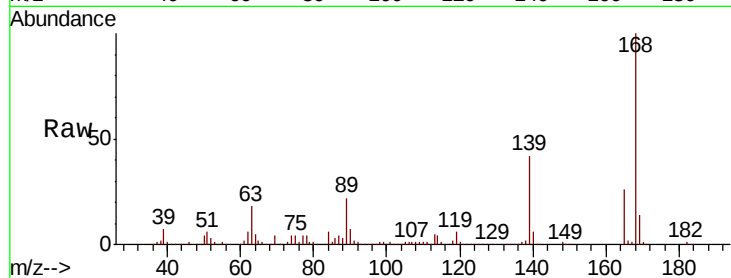




#57  
2,4-Dinitrotoluene  
Concen: 38.972 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

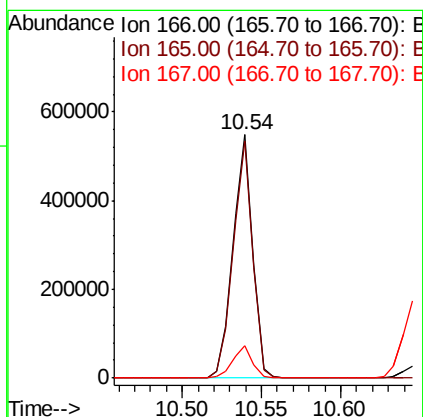
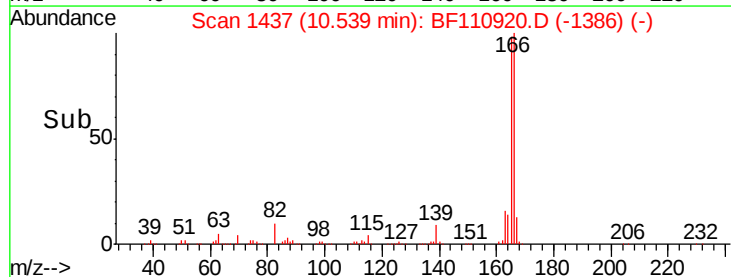
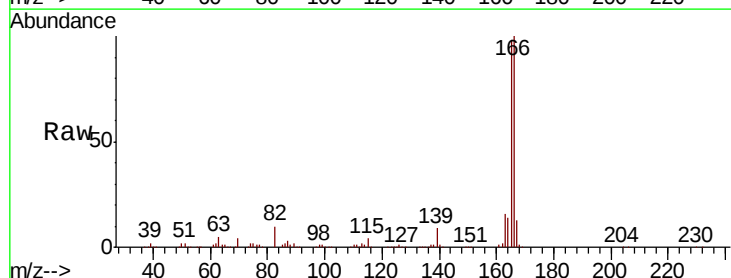
Instrument :  
BNA\_F  
ClientSampled :

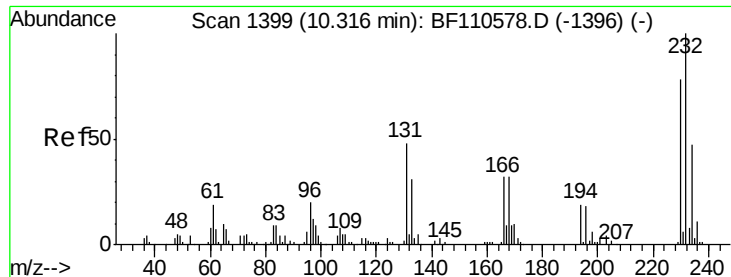
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 67.7  | 44.8  | 67.2# |
| 89      | 83.3  | 62.2  | 93.4  |
| 182     | 2.5   | 2.1   | 3.1   |



#58  
Fluorene  
Concen: 39.873 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.6  | 78.6  | 117.8 |
| 167     | 13.1  | 10.8  | 16.2  |

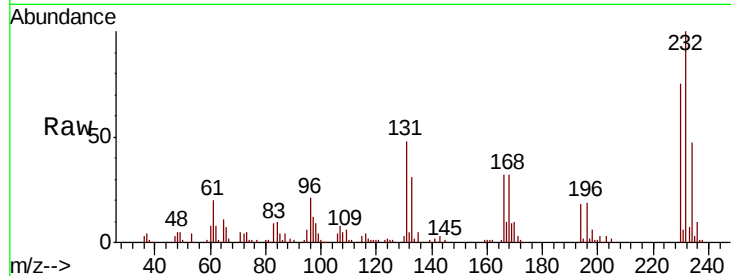




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.125 ng  
 RT: 10.32 min Scan# 1399  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 50.3  | 37.0  | 55.4  |
| 130     | 2.5   | 1.8   | 2.6   |
| 166     | 32.0  | 22.0  | 33.0  |



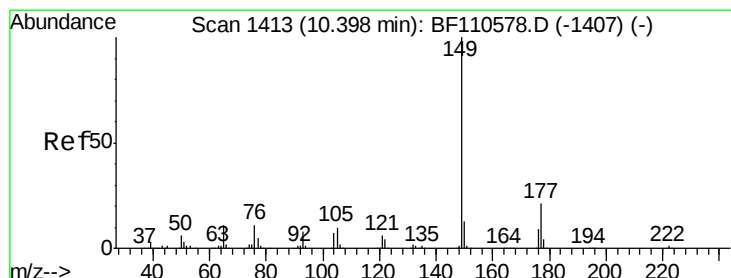
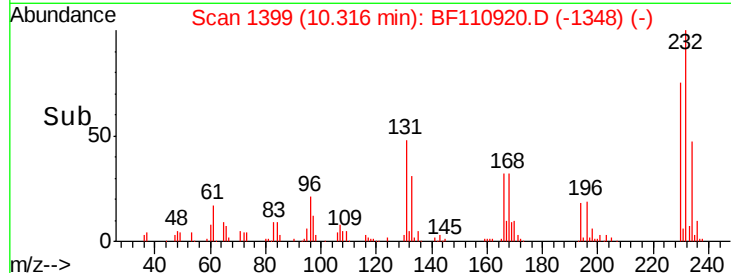
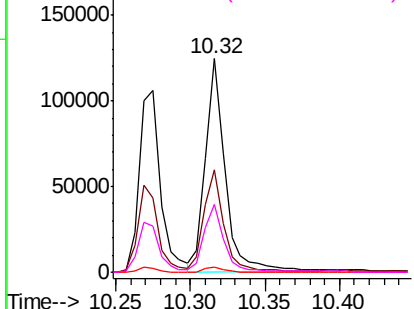
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

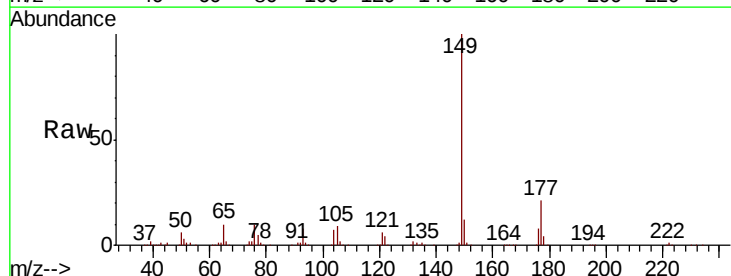
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 40.073 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.2  | 17.4  | 26.2  |
| 150     | 12.2  | 9.8   | 14.8  |

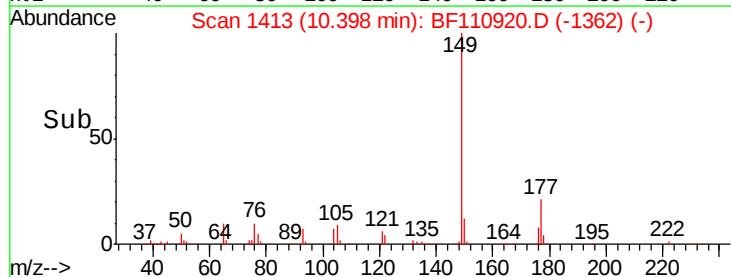
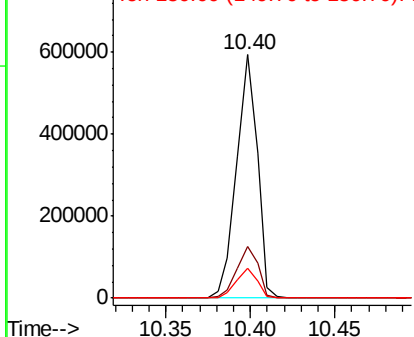


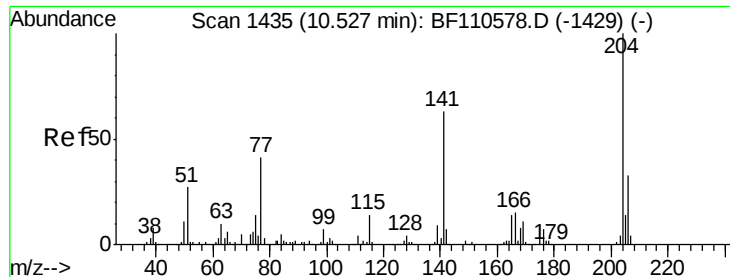
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

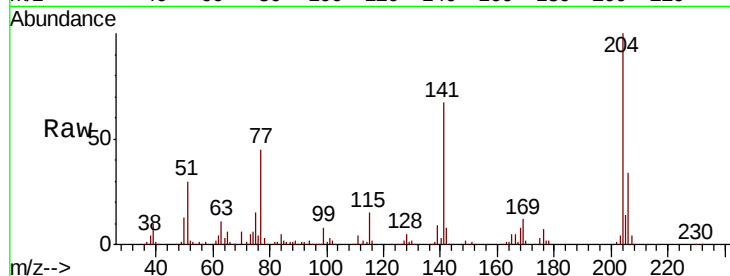




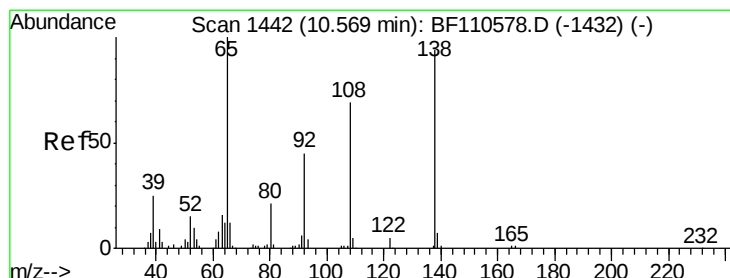
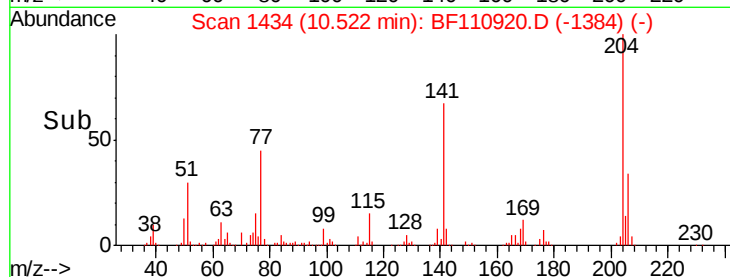
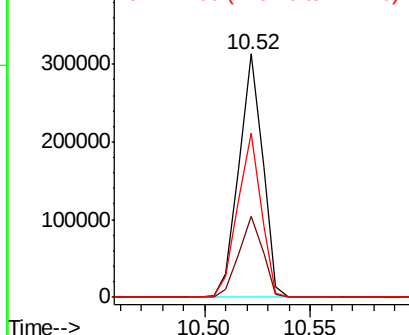
#61  
4-Chlorophenyl-phenylether  
Concen: 39.955 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 244811  
Ion Ratio Lower Upper  
204 100  
206 33.5 26.5 39.7  
141 67.2 51.8 77.8

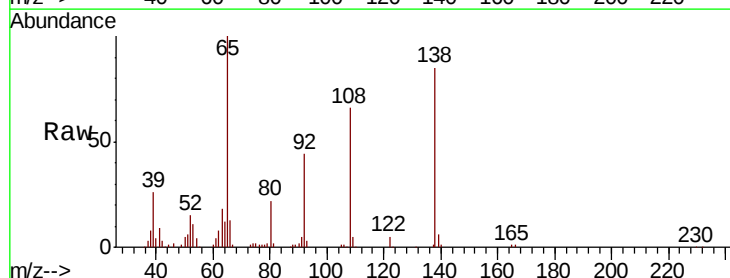


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

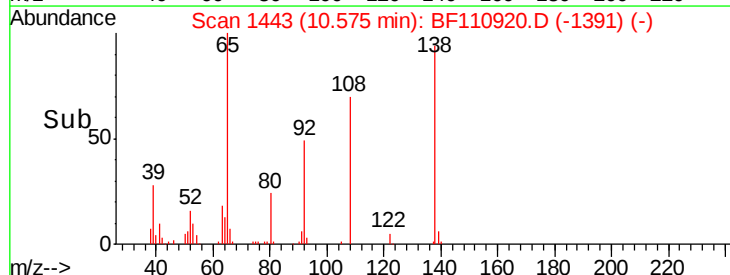
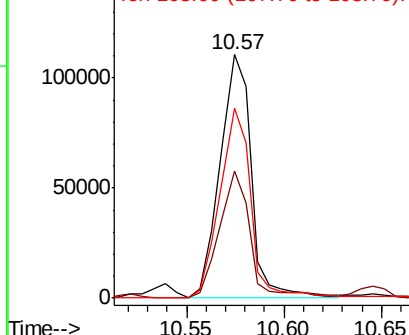


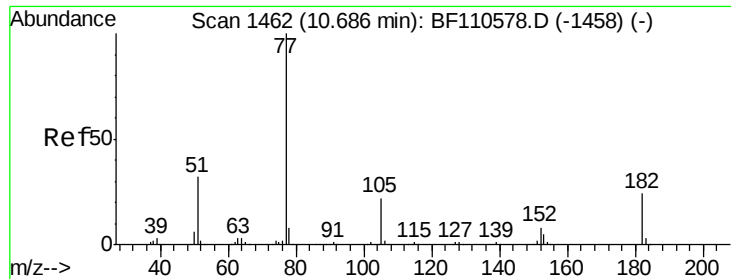
#62  
4-Nitroaniline  
Concen: 37.628 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:138 Resp: 124053  
Ion Ratio Lower Upper  
138 100  
92 52.1 31.7 71.7  
108 78.2 59.3 99.3



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





#63

Azobenzene

Concen: 39.782 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 493268

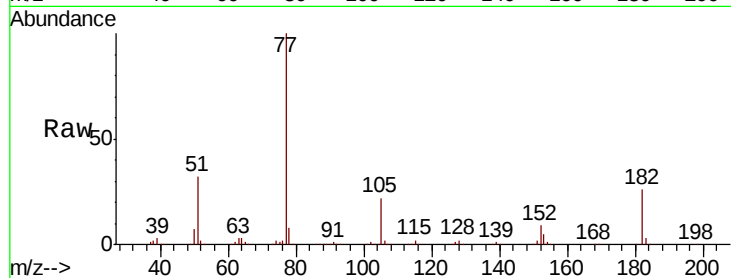
Ion Ratio Lower Upper

77 100

182 26.4 4.3 44.3

105 22.1 1.3 41.3

51 31.6 9.0 49.0

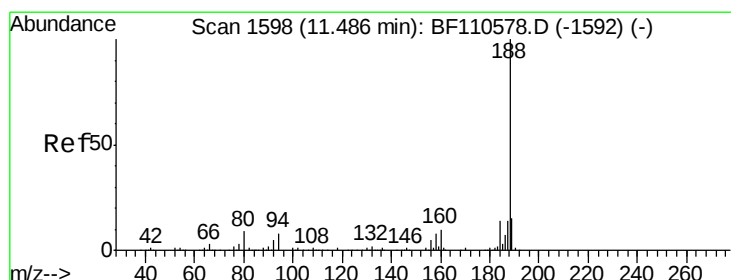
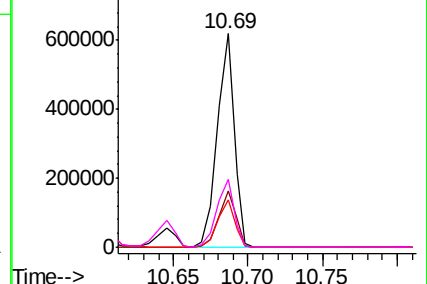
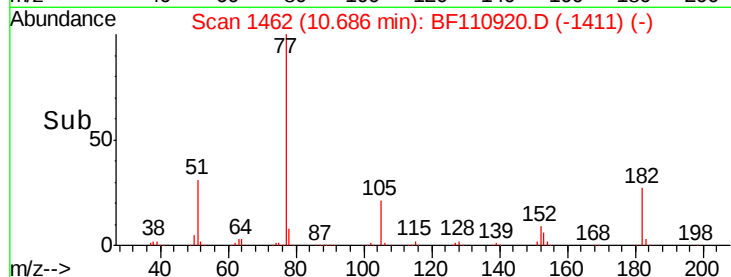


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

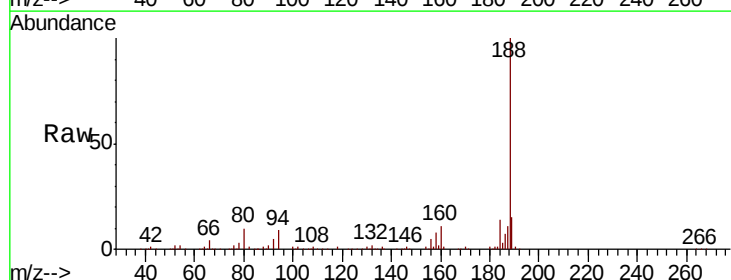
Tgt Ion: 188 Resp: 321938

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

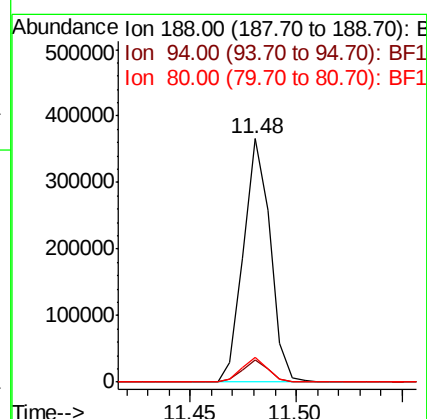
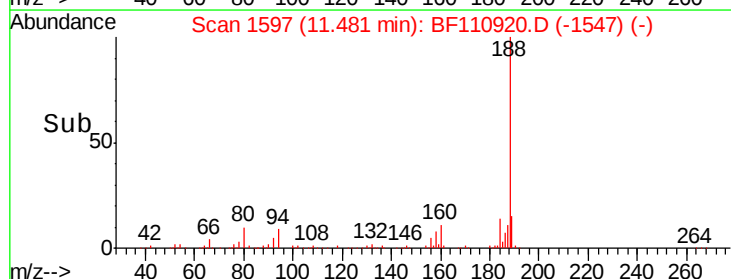
80 10.0 7.9 11.9

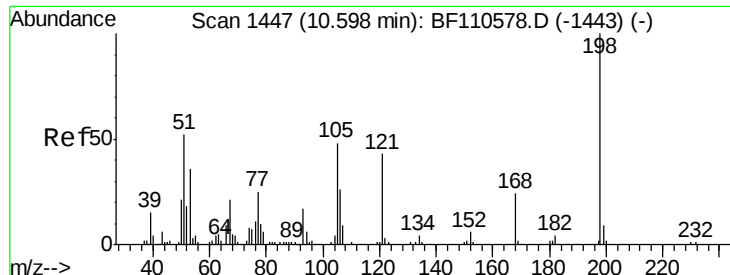


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

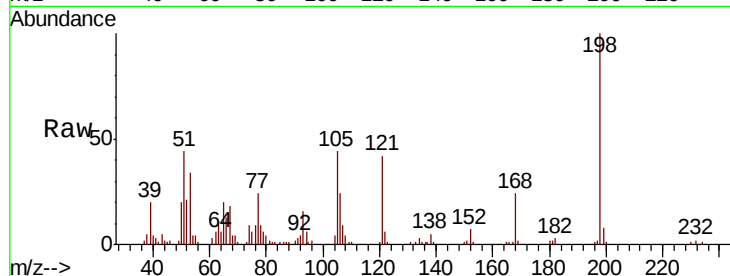




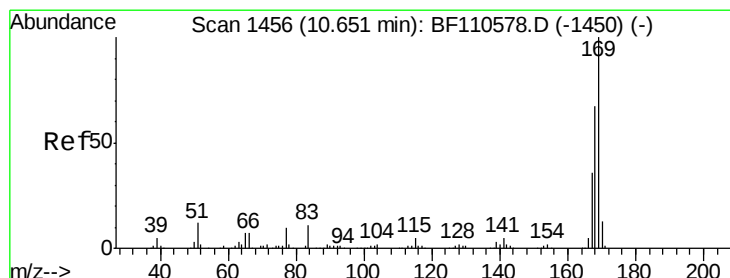
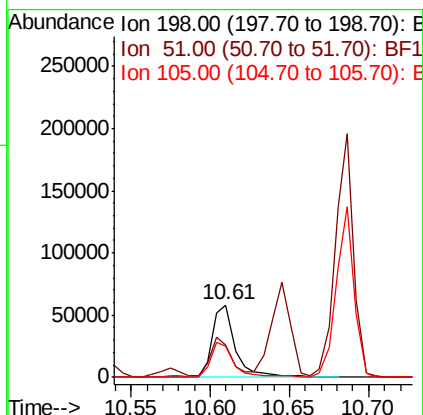
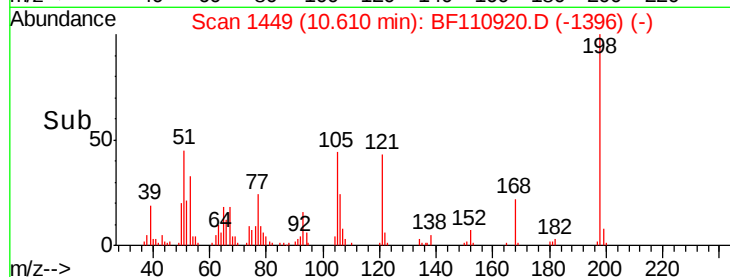
#65  
4,6-Dinitro-2-methylphenol  
Concen: 36.545 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:198 Resp: 59295  
Ion Ratio Lower Upper  
198 100  
51 44.3 22.8 62.8  
105 43.7 23.6 63.6

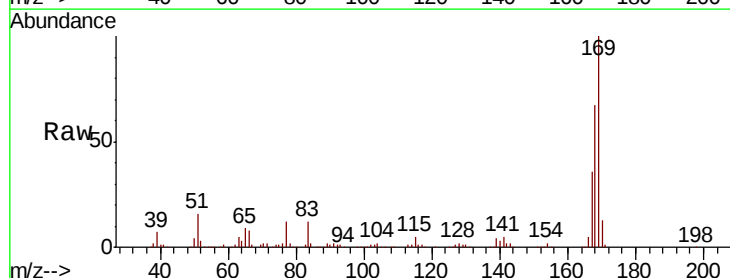


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

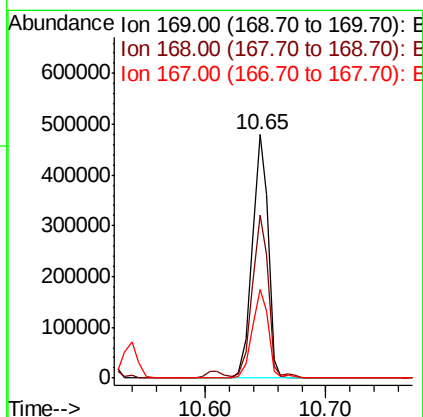
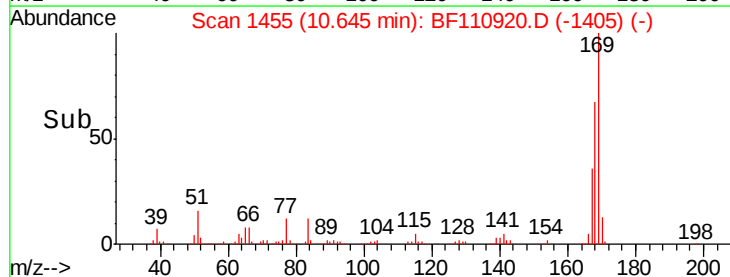


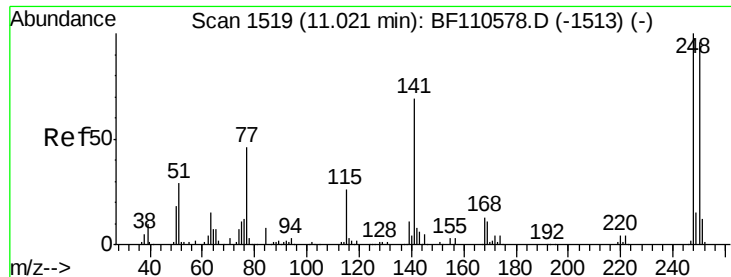
#66  
n-Nitrosodiphenylamine  
Concen: 40.443 ng  
RT: 10.65 min Scan# 1455  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:169 Resp: 438863  
Ion Ratio Lower Upper  
169 100  
168 66.8 51.2 76.8  
167 36.4 27.8 41.6



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

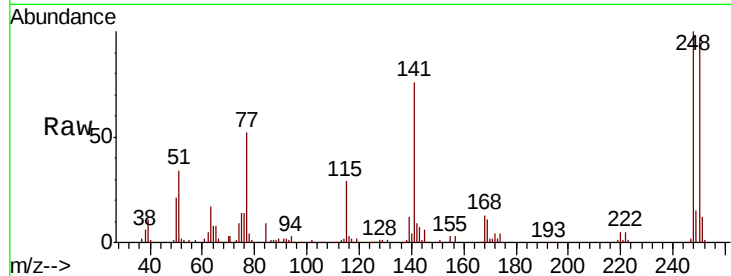




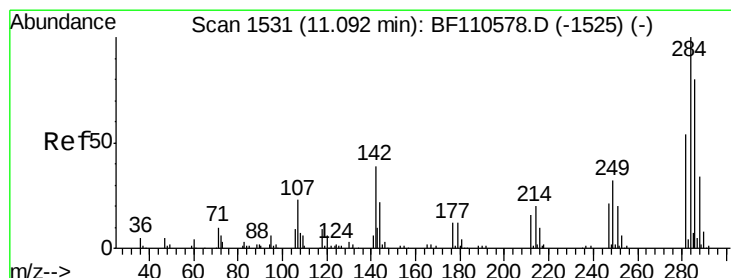
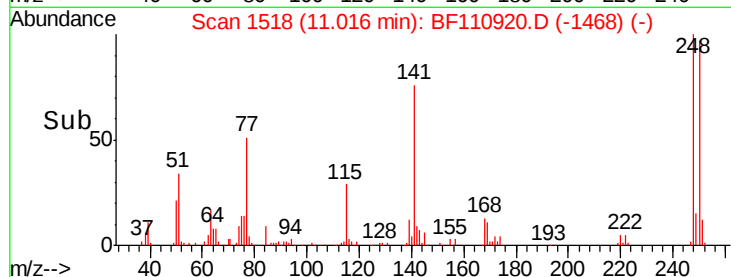
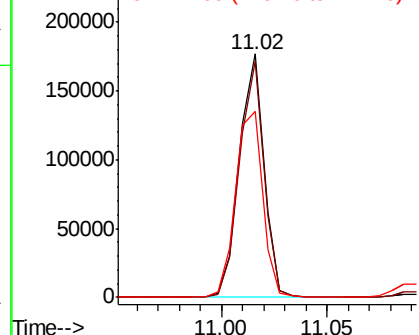
#67  
4-Bromophenyl-phenylether  
Concen: 40.157 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 142879  
Ion Ratio Lower Upper  
248 100  
250 96.9 79.4 119.2  
141 76.4 55.9 83.9

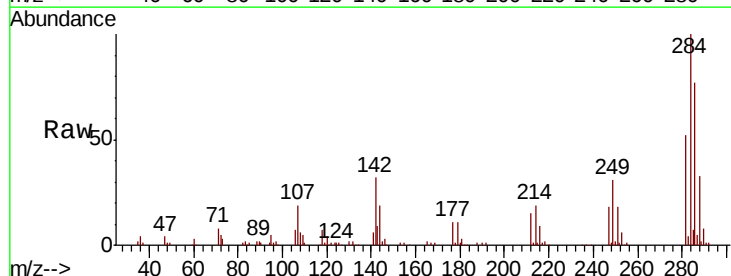


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

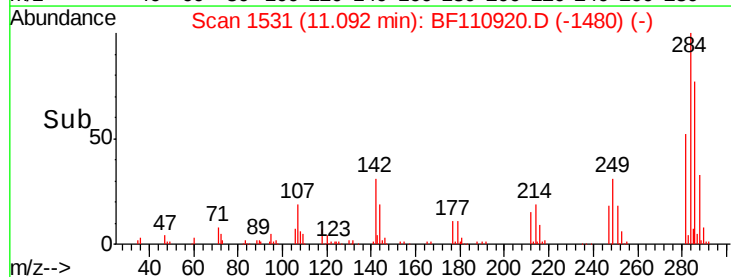
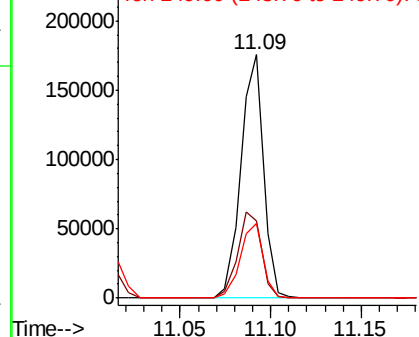


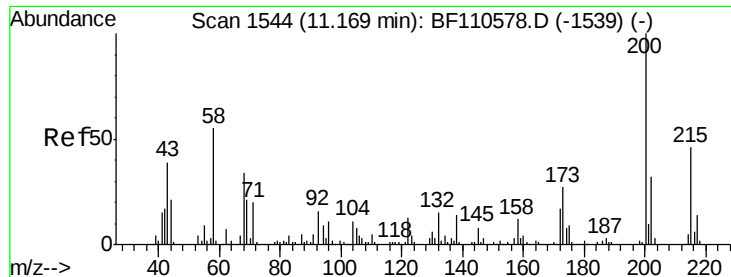
#68  
Hexachlorobenzene  
Concen: 40.718 ng  
RT: 11.09 min Scan# 1531  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:284 Resp: 152745  
Ion Ratio Lower Upper  
284 100  
142 31.7 23.9 35.9  
249 30.8 24.2 36.2



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

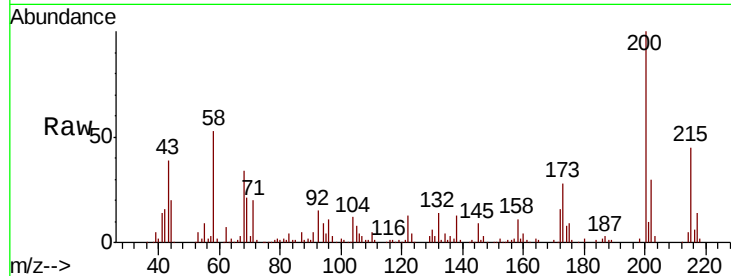




#69  
 Atrazine  
 Concen: 38.037 ng  
 RT: 11.17 min Scan# 1544  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.6  | 6.6   | 46.6  |
| 215     | 44.6  | 26.3  | 66.3  |

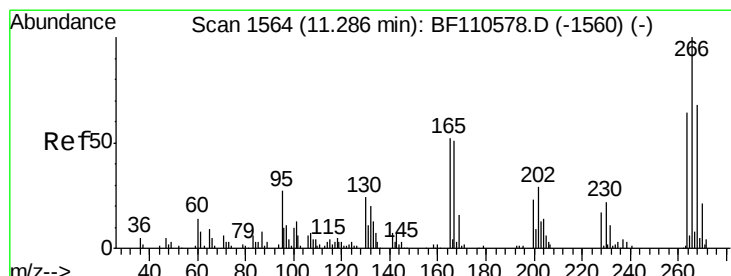
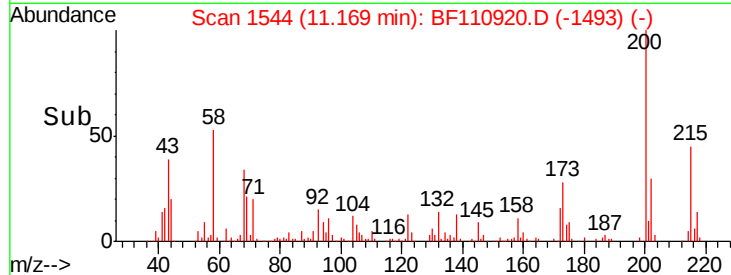
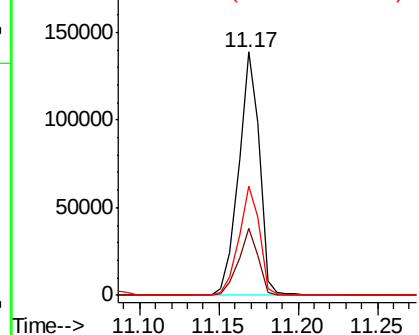


Abundance

Ion 200.00 (199.70 to 200.70): E

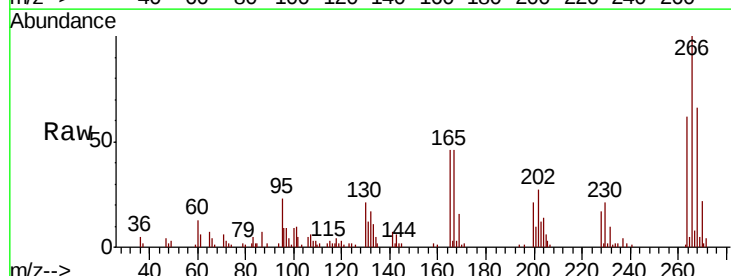
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
 Pentachlorophenol  
 Concen: 32.921 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. 0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.9  | 50.6  | 75.8  |
| 264     | 62.2  | 50.6  | 75.8  |

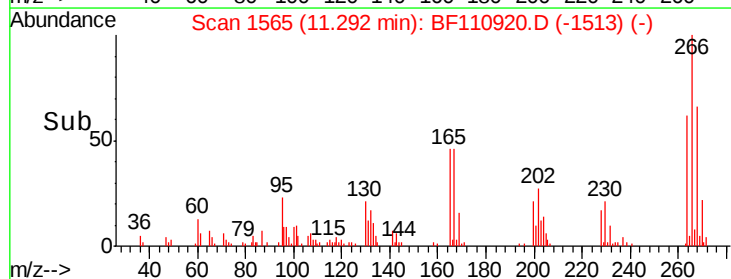
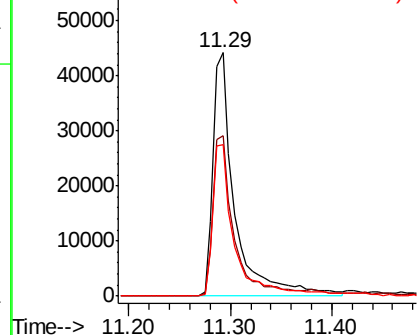


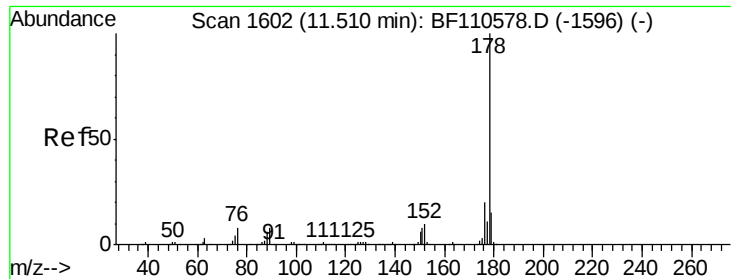
Abundance

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

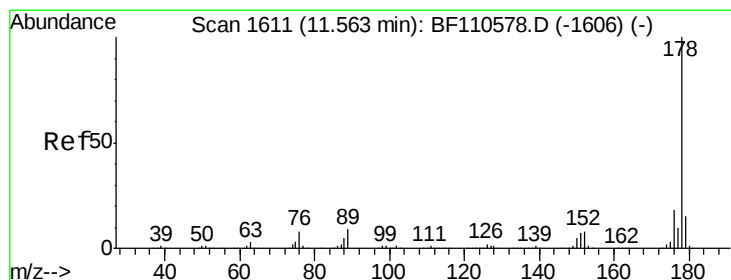
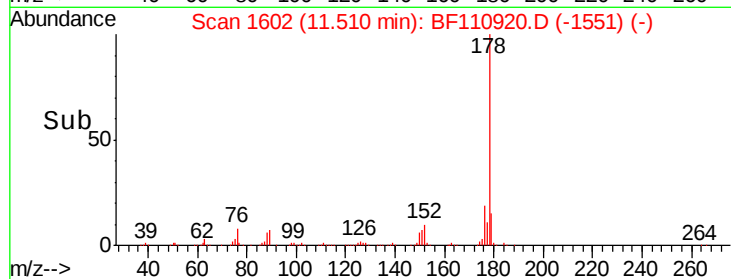
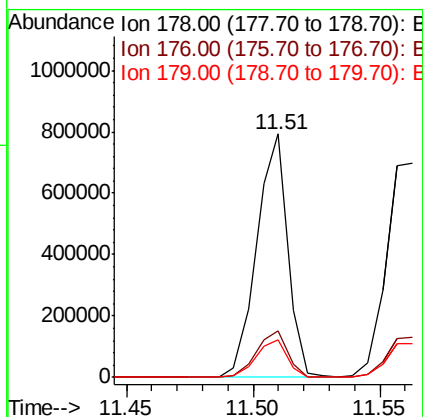
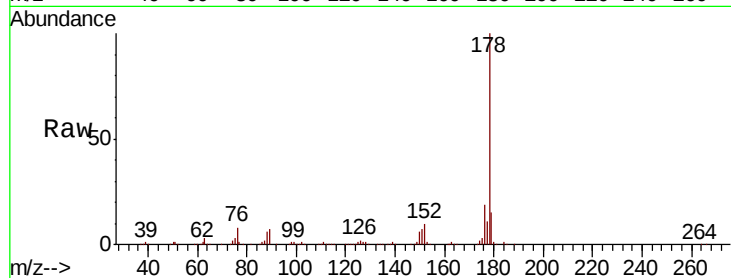




#71  
Phenanthrene  
Concen: 39.282 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

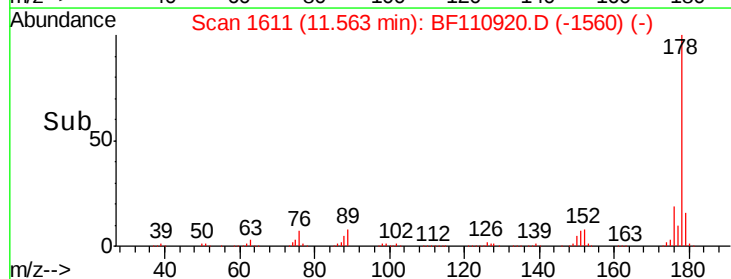
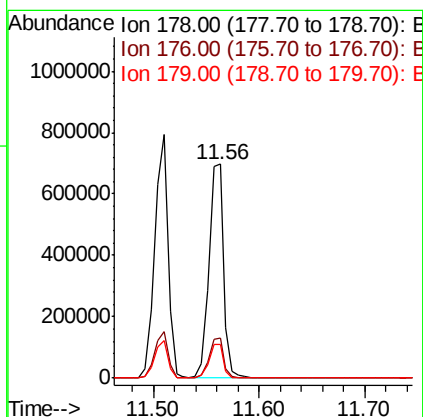
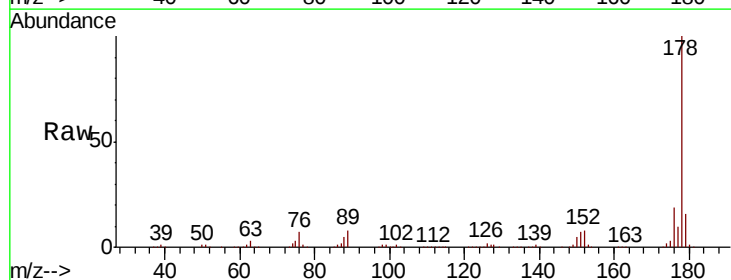
Instrument :  
BNA\_F  
ClientSampleId :

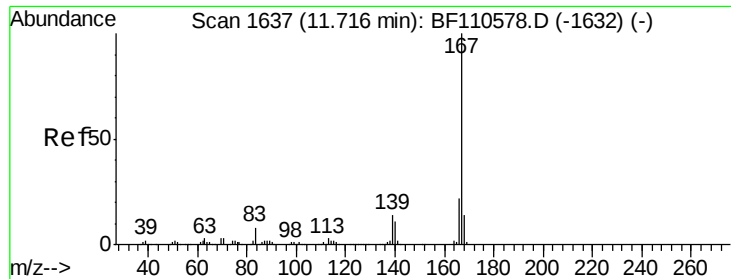
Tot Ion:178 Resp: 677521  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 15.3 12.5 18.7



#72  
Anthracene  
Concen: 39.271 ng  
RT: 11.56 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:178 Resp: 683261  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.4 23.2  
179 15.5 12.6 18.8

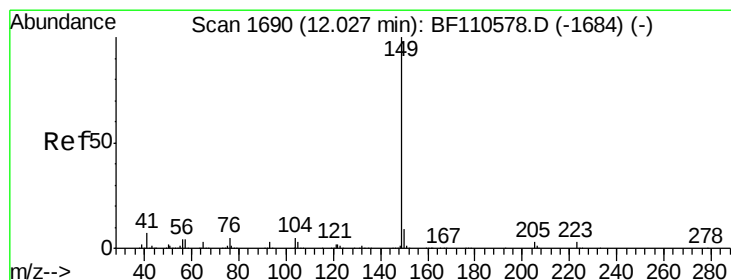
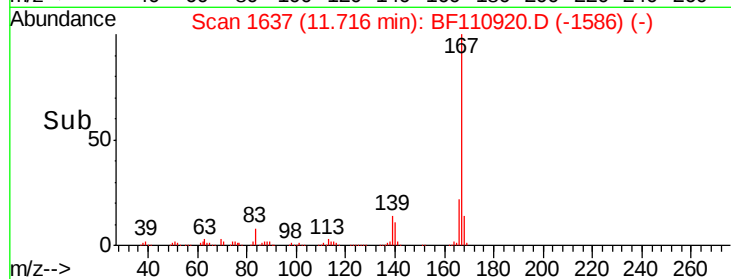
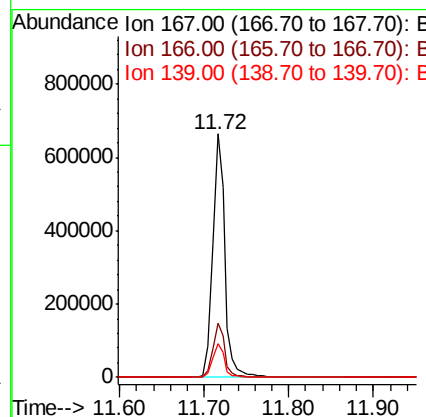
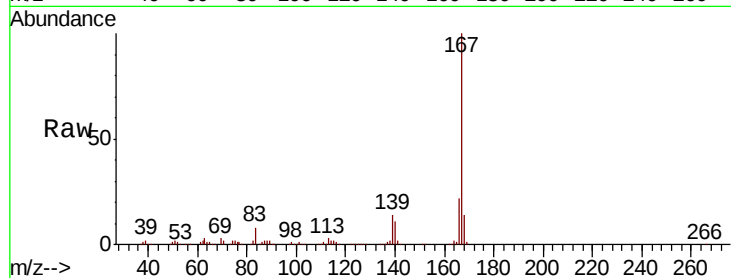




#73  
 Carbazole  
 Concen: 40.056 ng  
 RT: 11.72 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

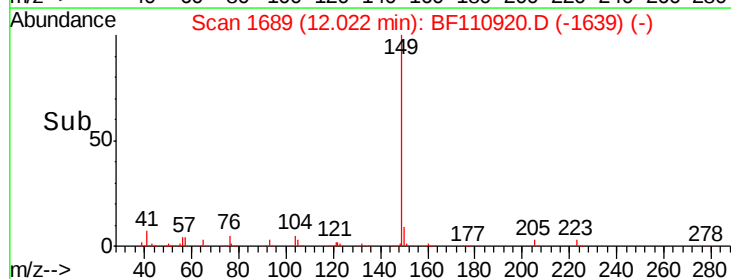
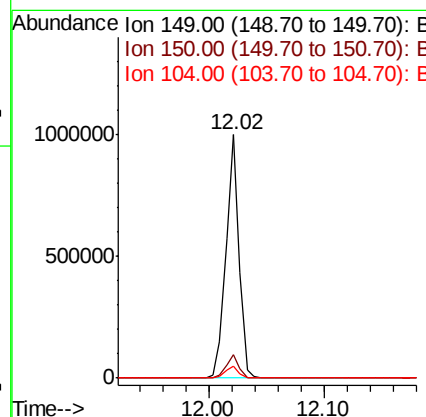
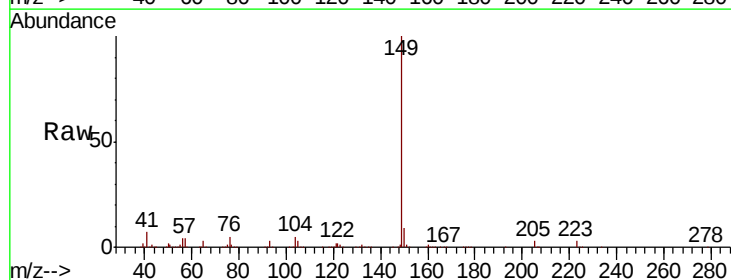
Instrument :  
 BNA\_F  
 ClientSampleId :

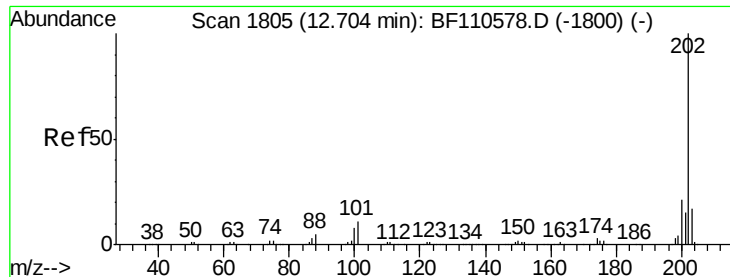
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.4  | 26.0  |
| 139     | 13.8  | 10.9  | 16.3  |



#74  
 Di-n-butylphthalate  
 Concen: 39.938 ng  
 RT: 12.02 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.7   | 11.5  |
| 104     | 4.9   | 4.2   | 6.4   |

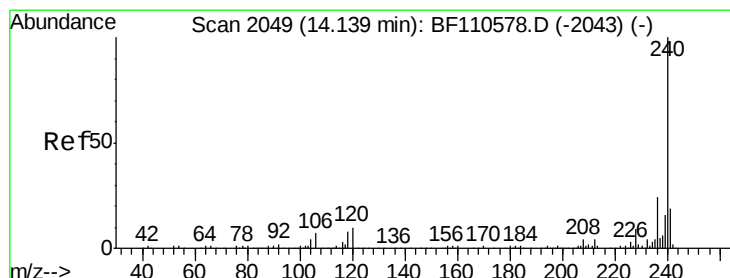
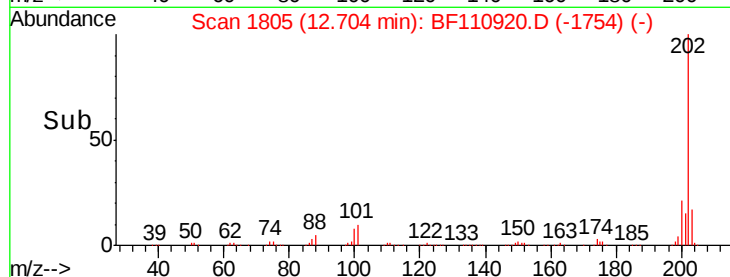
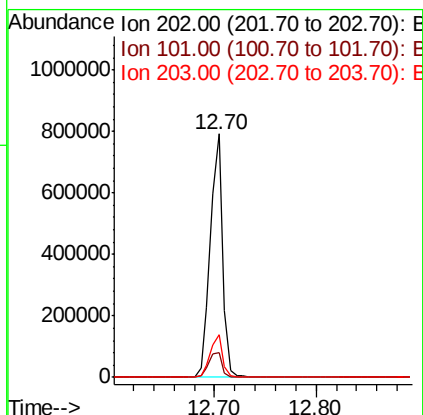
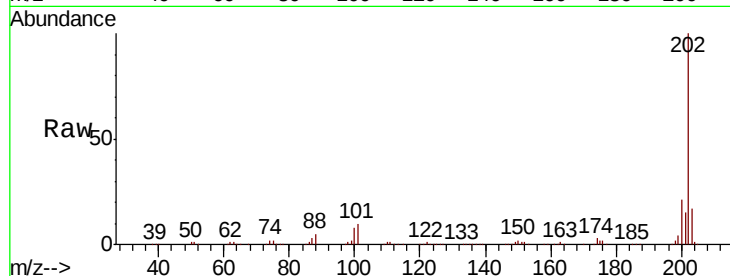




#75  
 Fluoranthene  
 Concen: 39.160 ng  
 RT: 12.70 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

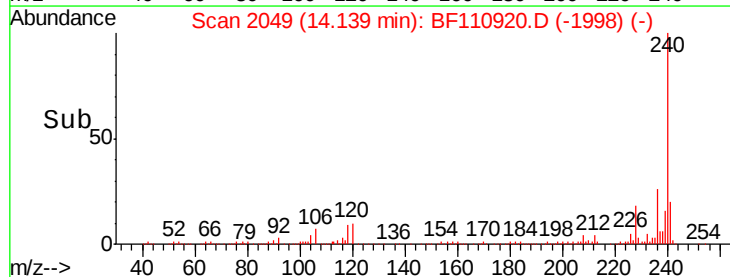
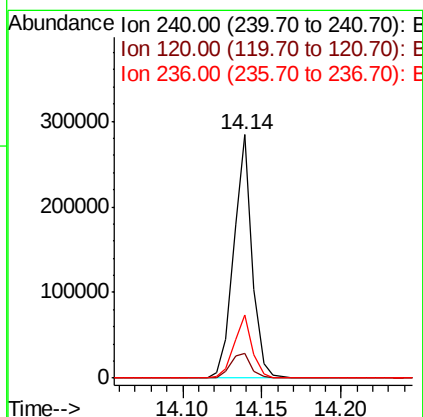
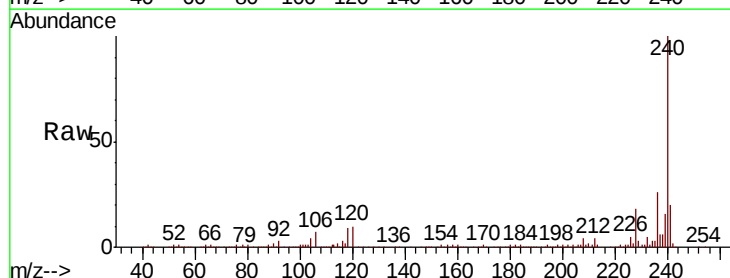
Instrument :  
 BNA\_F  
 ClientSampleId :

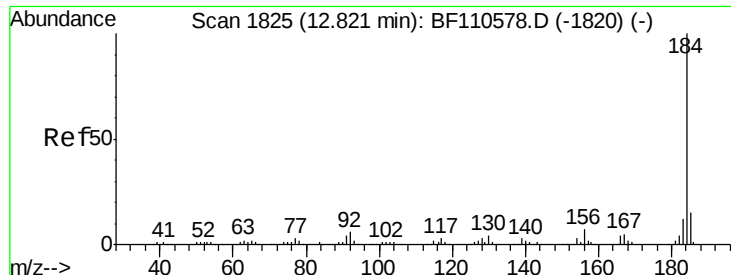
Tot Ion:202 Resp: 677152  
 Ion Ratio Lower Upper  
 202 100  
 101 10.0 0.0 31.4  
 203 17.4 0.0 37.7



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: BF110920.D  
 Acq: 21 Nov 2018 11:18

Tgt Ion:240 Resp: 227494  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 8.3 12.5  
 236 25.7 21.2 31.8

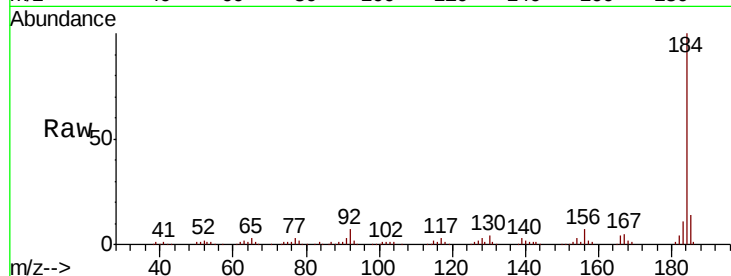




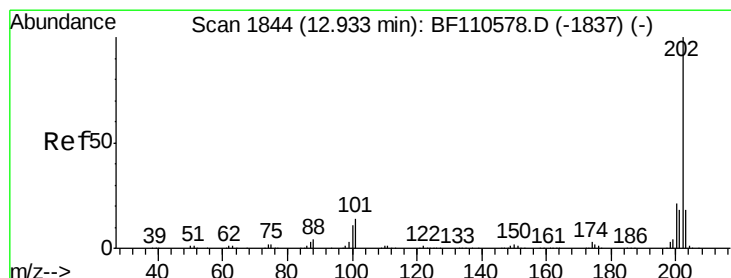
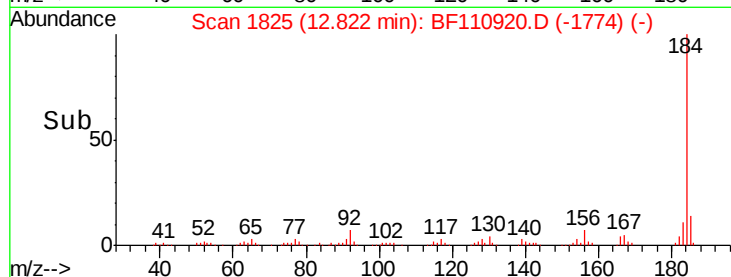
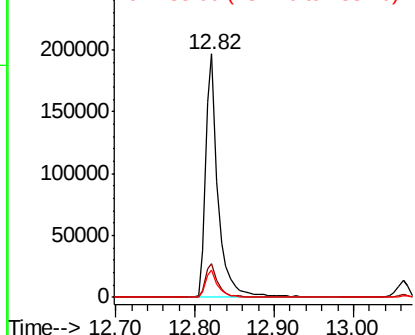
#77  
Benzidine  
Concen: 34.714 ng  
RT: 12.82 min Scan# 1825  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 217176  
Ion Ratio Lower Upper  
184 100  
185 13.9 13.4 20.2  
183 11.4 9.4 14.2

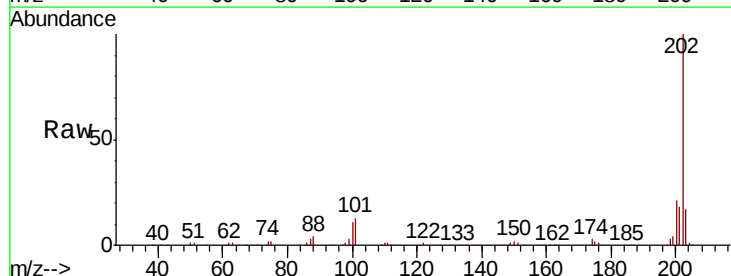


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

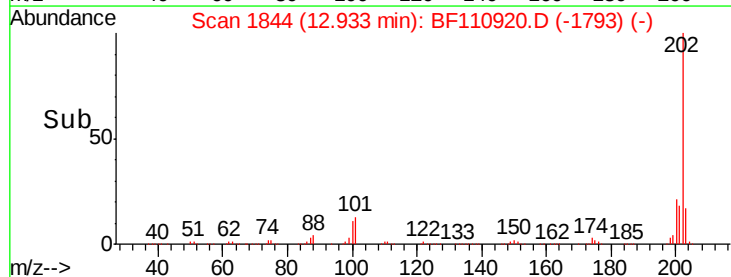
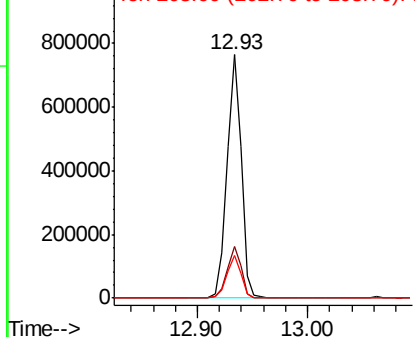


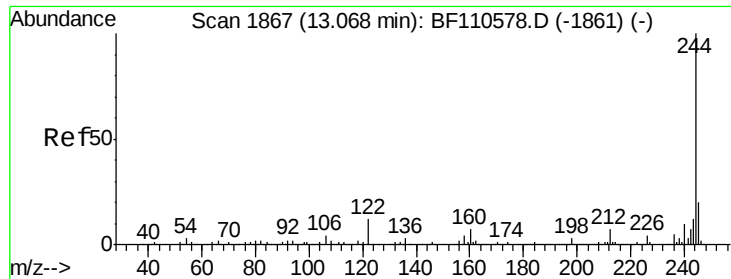
#78  
Pyrene  
Concen: 39.738 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.00 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:202 Resp: 696070  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.8 26.6  
203 17.4 14.2 21.4



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





#79

Terphenyl-d14

Concen: 78.455 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

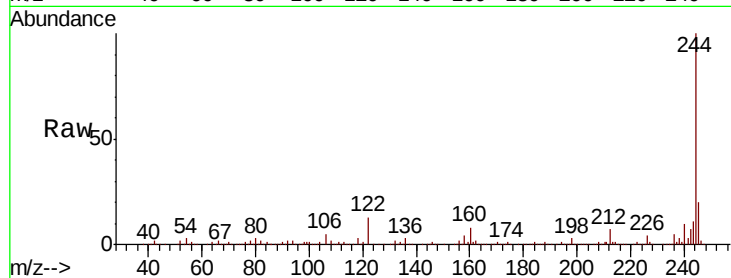
Tot Ion:244 Resp: 953026

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

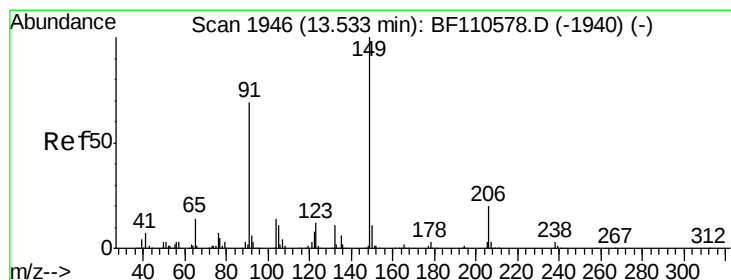
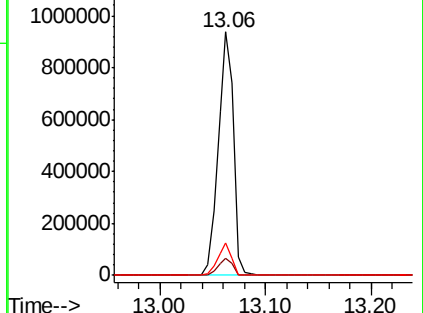
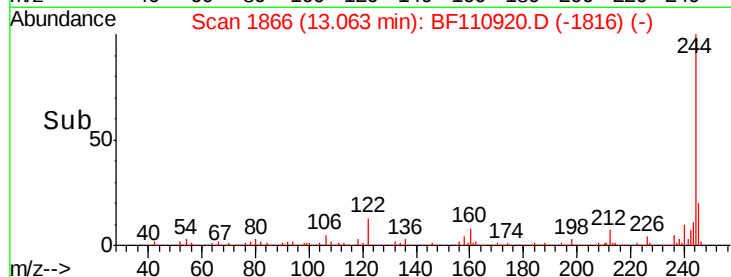
122 13.3 8.7 13.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.355 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

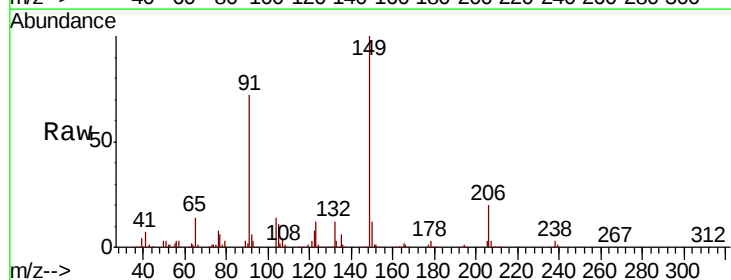
Tgt Ion:149 Resp: 311788

Ion Ratio Lower Upper

149 100

91 72.1 57.2 85.8

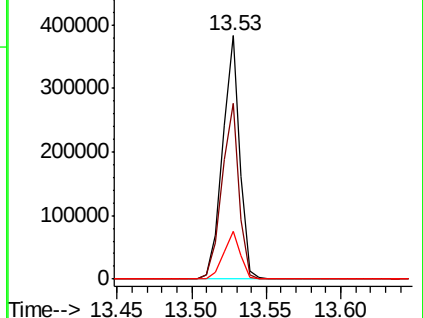
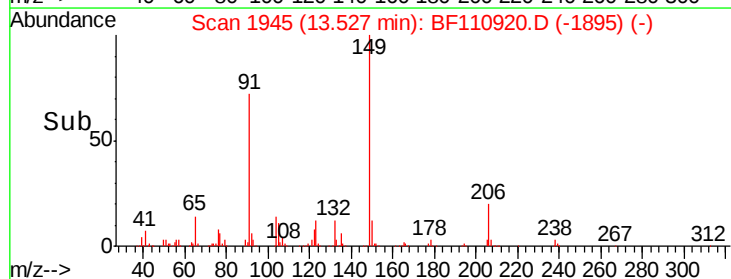
206 19.5 15.7 23.5

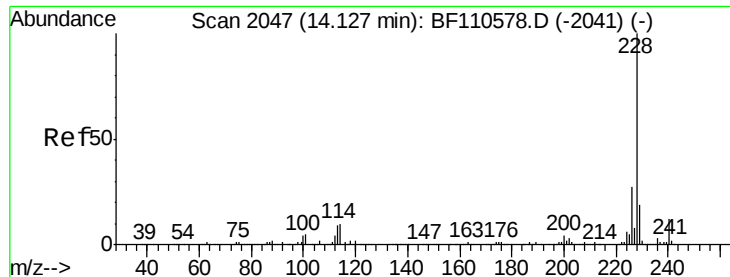


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.656 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

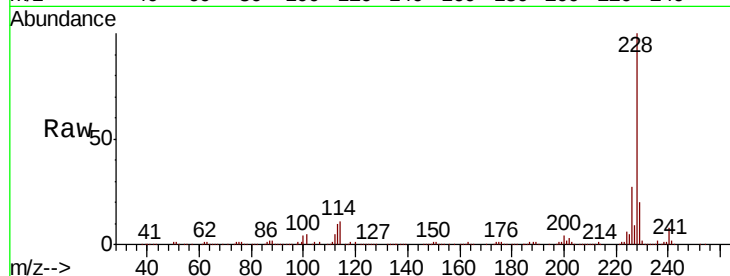
Tot Ion:228 Resp: 539222

Ion Ratio Lower Upper

228 100

226 27.0 22.1 33.1

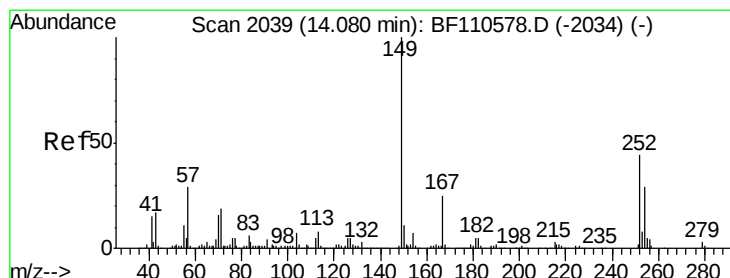
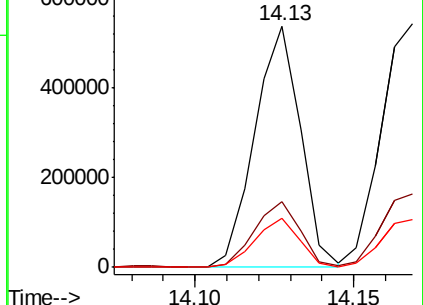
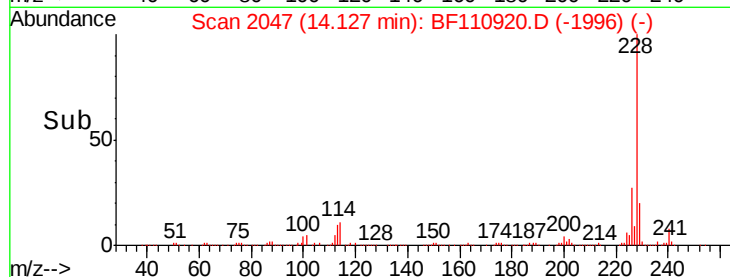
229 20.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 42.334 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

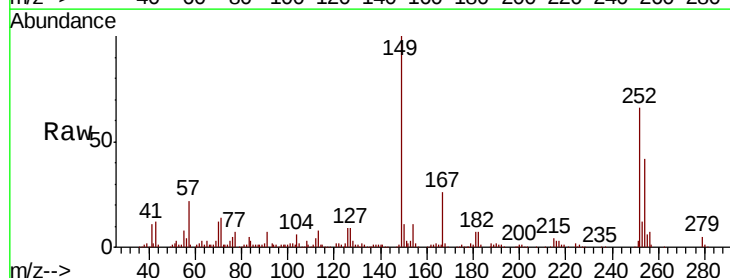
Tgt Ion:252 Resp: 192836

Ion Ratio Lower Upper

252 100

254 64.3 51.3 76.9

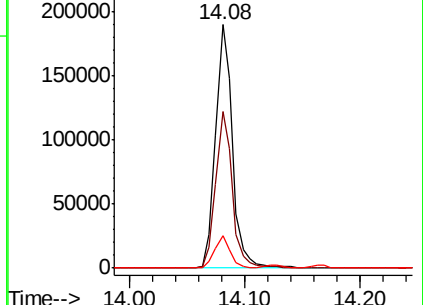
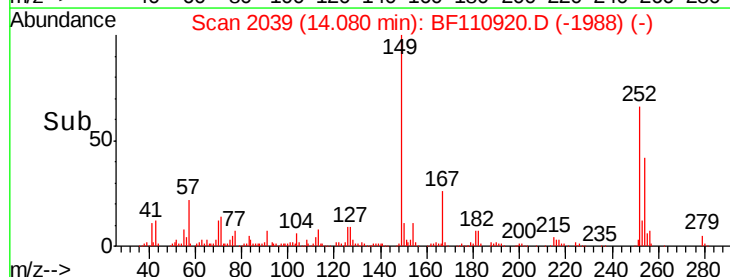
126 13.5 9.4 14.2

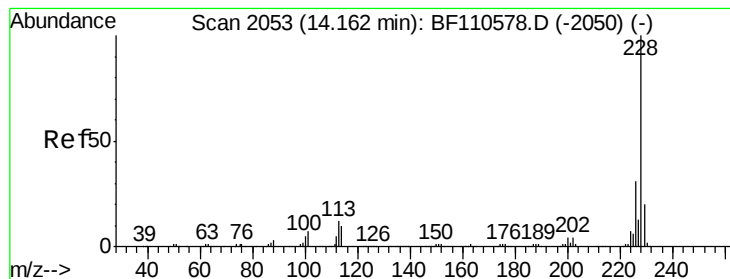


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 40.611 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

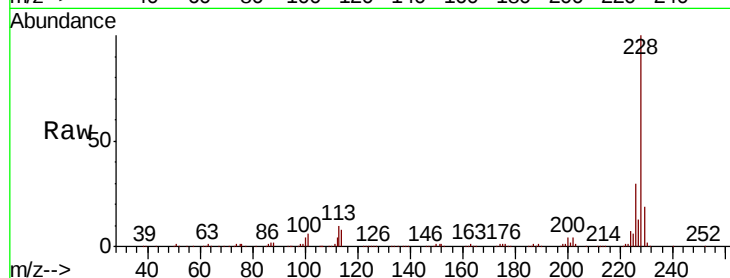
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:228 Resp: 526096

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 24.7  | 37.1  |
| 229 | 19.5  | 15.9  | 23.9  |

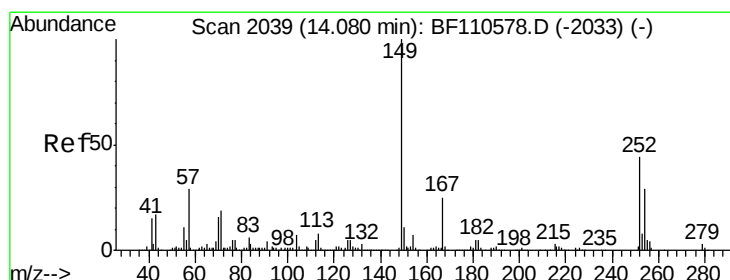
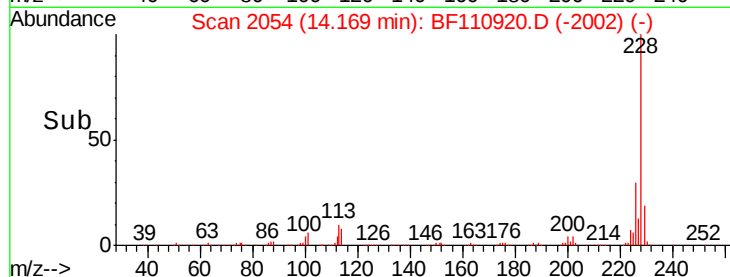
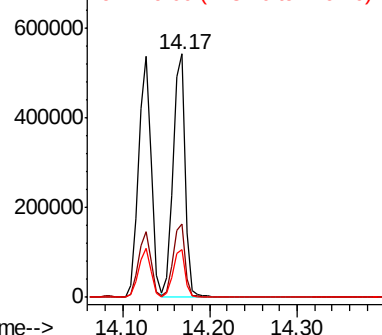


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.578 ng

RT: 14.07 min Scan# 2038

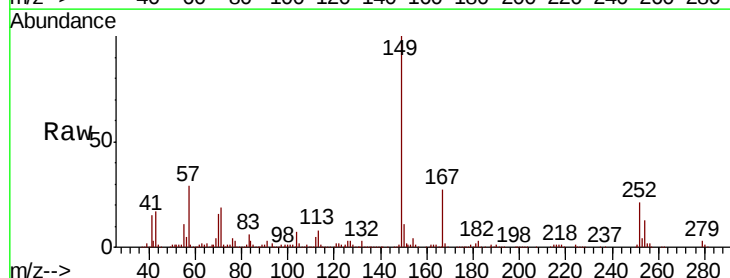
Delta R.T. -0.01 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Tgt Ion:149 Resp: 398219

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.6  | 19.8  | 29.8  |
| 279 | 3.4   | 2.7   | 4.1   |

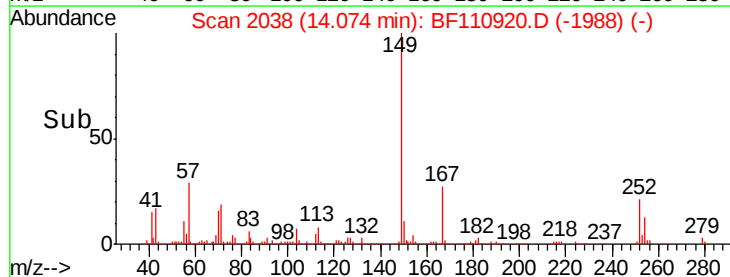
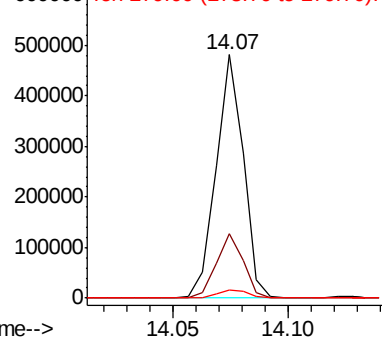


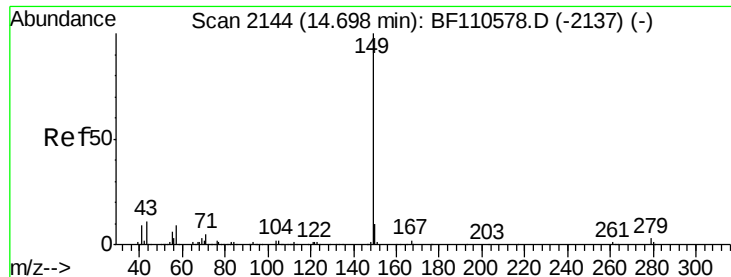
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

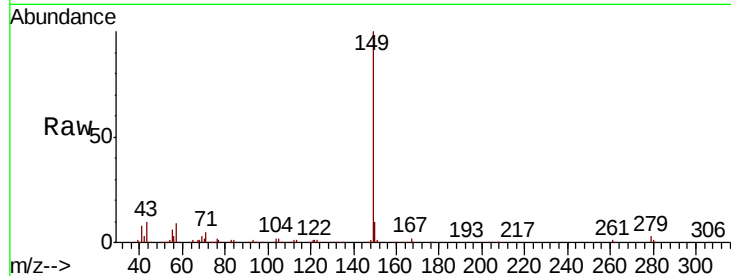




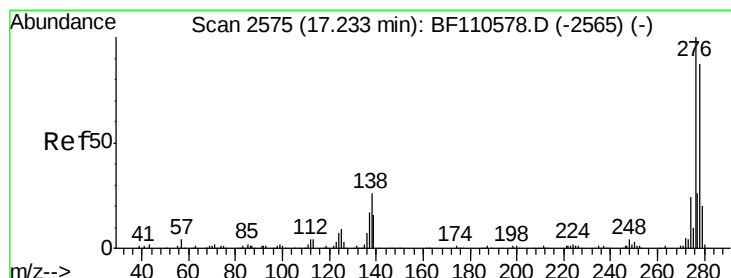
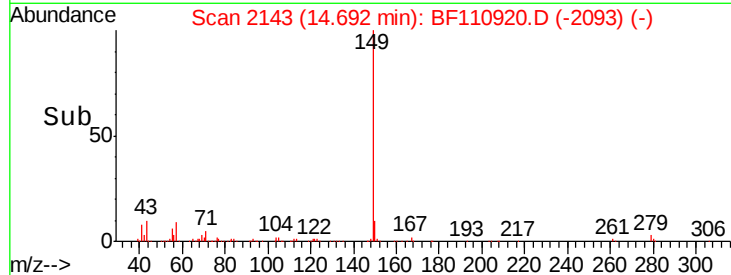
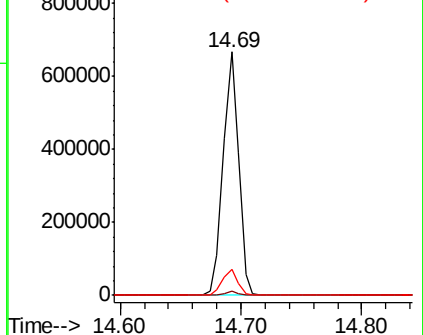
#85  
Di-n-octyl phthalate  
Concen: 43.115 ng  
RT: 14.69 min Scan# 2143  
Delta R.T. -0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 592981  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.1 1.7  
43 10.5 7.8 11.8

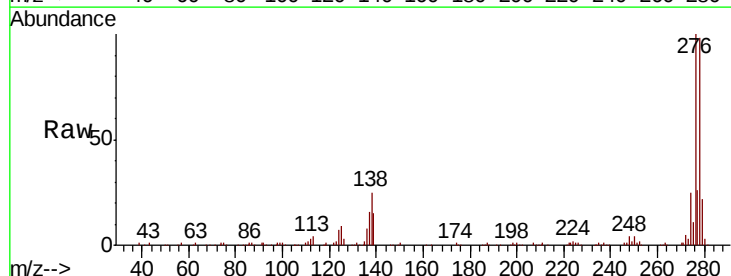


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

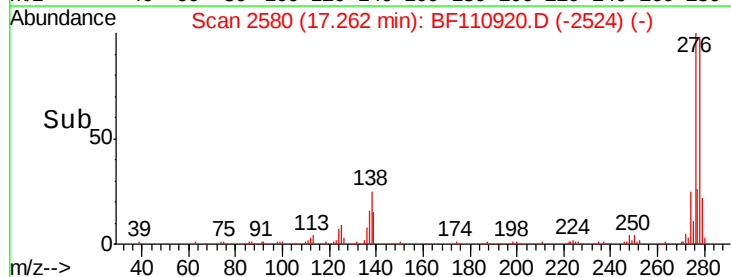
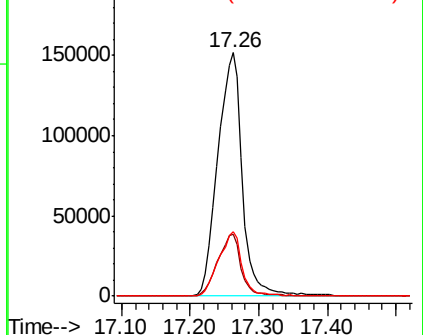


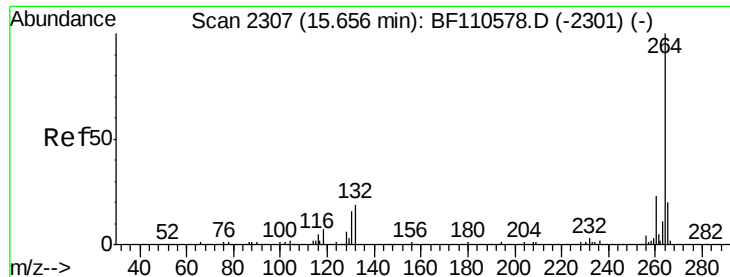
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 40.622 ng  
RT: 17.26 min Scan# 2580  
Delta R.T. 0.03 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Tgt Ion:276 Resp: 377623  
Ion Ratio Lower Upper  
276 100  
138 24.4 18.5 27.7  
277 25.4 20.0 30.0



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

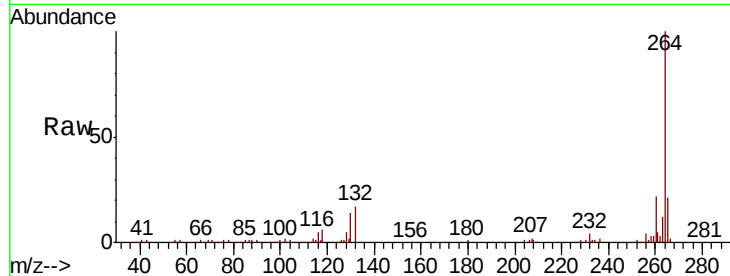




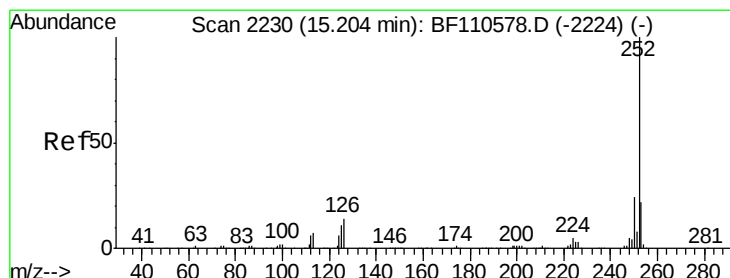
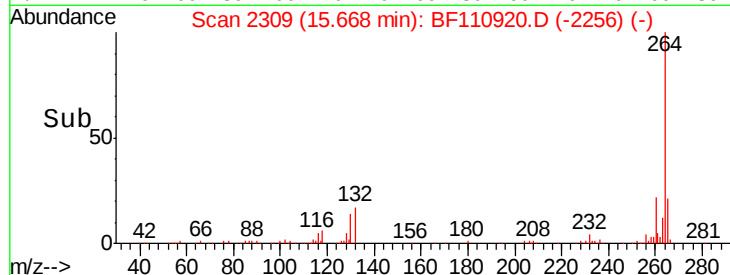
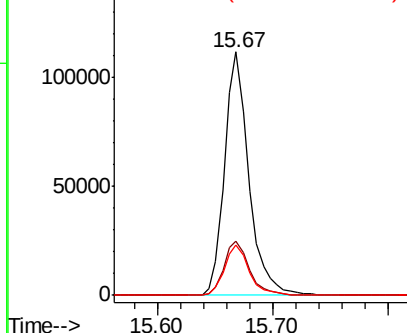
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.2  | 18.7  | 28.1  |
| 265     | 20.7  | 16.7  | 25.1  |

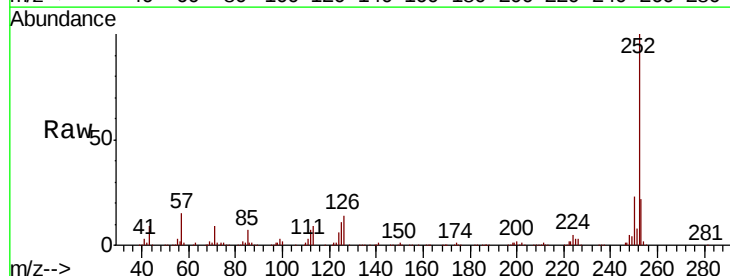


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

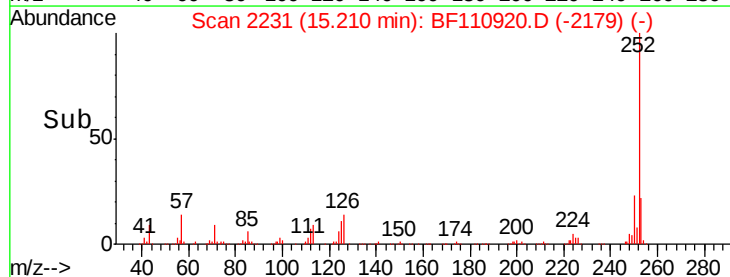
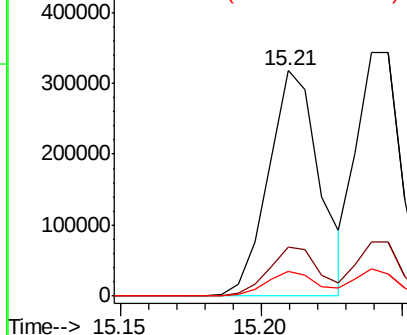


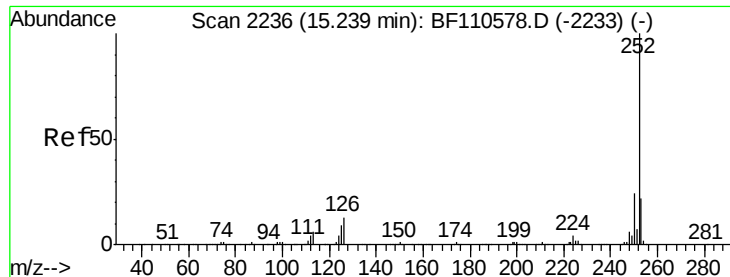
#88  
Benzo(b)fluoranthene  
Concen: 40.847 ng  
RT: 15.21 min Scan# 2231  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.2  | 25.8  |
| 125     | 10.7  | 8.2   | 12.4  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

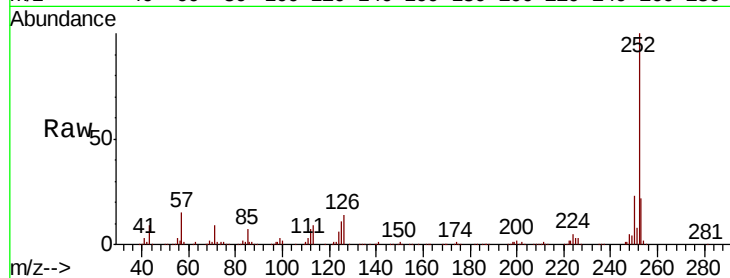




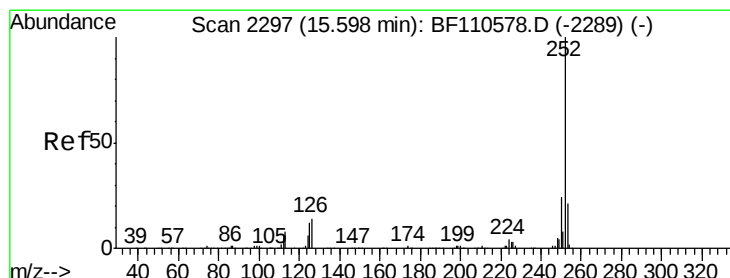
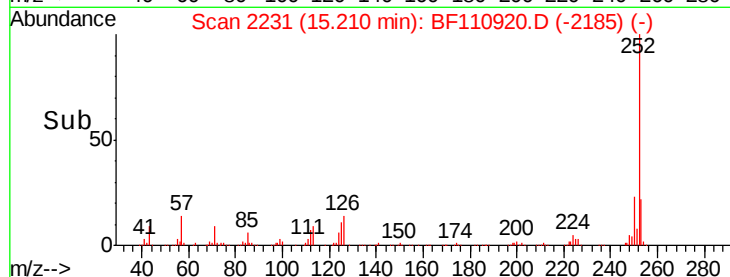
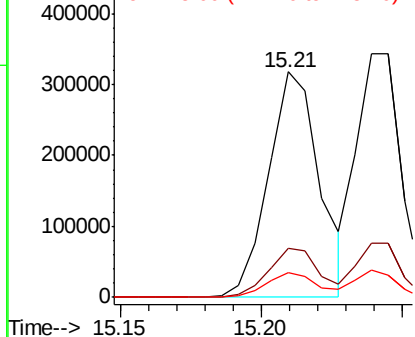
#89  
Benzo(k)fluoranthene  
Concen: 41.339 ng  
RT: 15.21 min Scan# 2231  
Delta R.T. -0.03 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.2  | 25.8  |
| 125     | 10.7  | 7.4   | 11.0  |

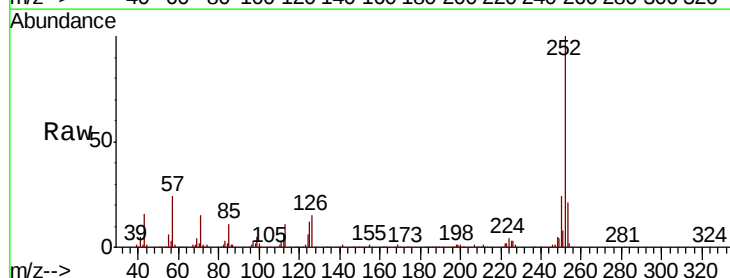


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

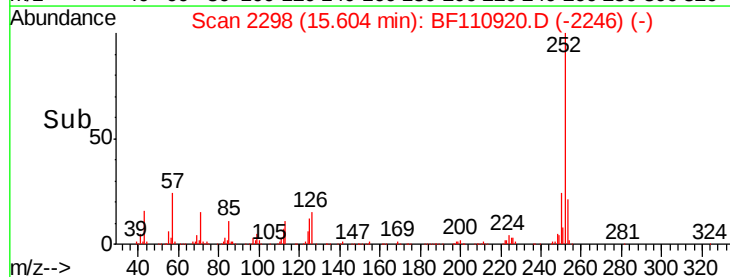
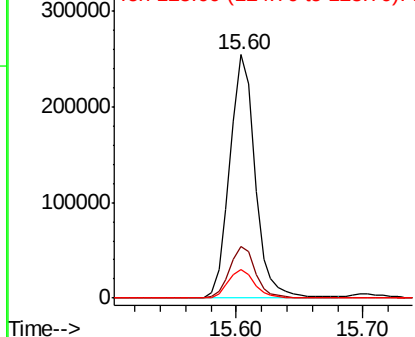


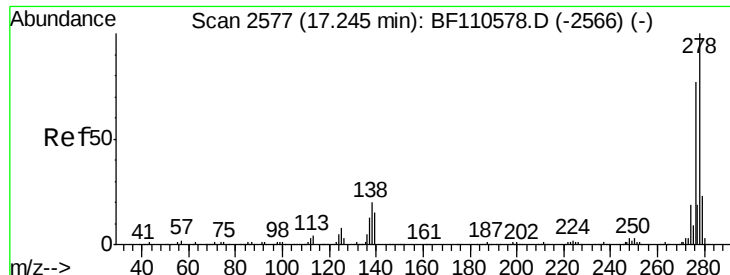
#90  
Benzo(a)pyrene  
Concen: 39.803 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. 0.01 min  
Lab File: BF110920.D  
Acq: 21 Nov 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 18.2  | 27.4  |
| 125     | 11.9  | 9.0   | 13.6  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 41.957 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.02 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

Instrument :

BNA\_F

ClientSampleId :

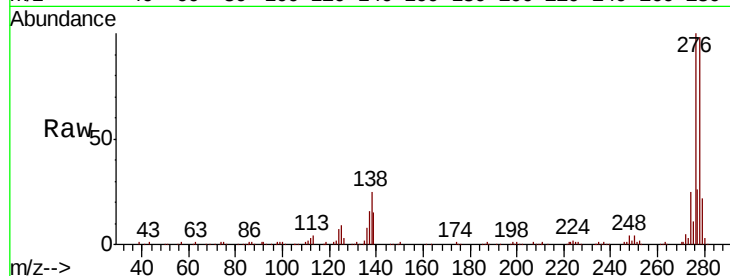
Tot Ion:278 Resp: 315057

Ion Ratio Lower Upper

278 100

139 15.0 12.7 19.1

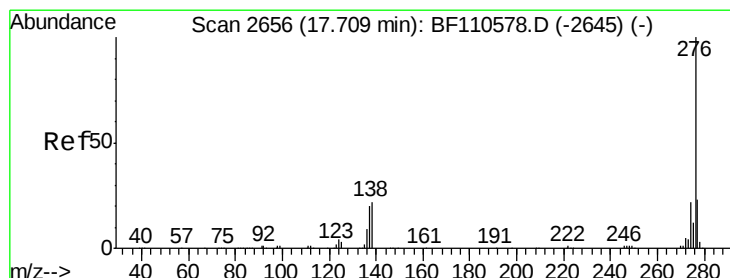
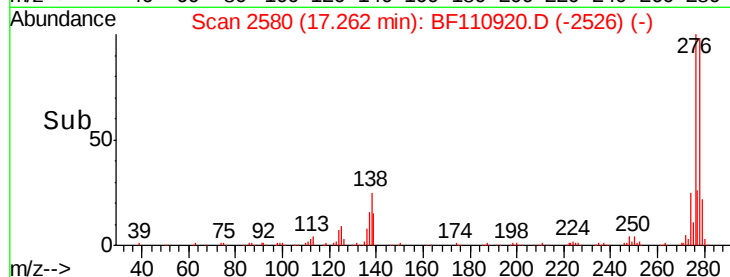
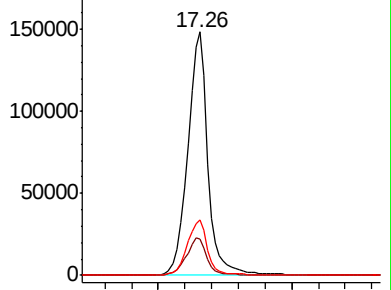
279 22.9 19.0 28.4



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



#92

Benzo(g,h,i)perylene

Concen: 41.955 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110920.D

Acq: 21 Nov 2018 11:18

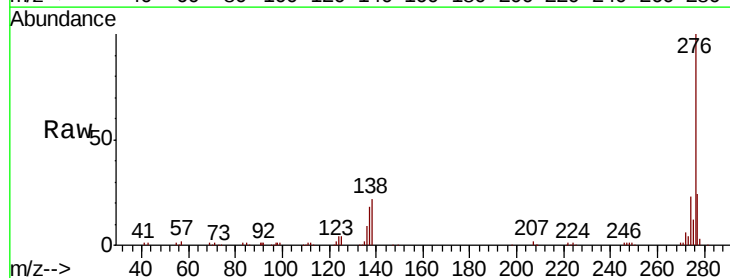
Tgt Ion:276 Resp: 312582

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.5 16.0 24.0



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

