

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\  
 Data File : BF110456.D  
 Acq On : 5 Nov 2018 11:11  
 Operator : JU/SJ  
 Sample : PB112382BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 05 12:26:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 81848    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 347295   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 10.00 | 164  | 164438   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.49 | 188  | 307051   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.14 | 240  | 225246   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.66 | 264  | 166176   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.59  | 112  | 747079   | 148.64 | ng    | 0.02     |
| 7) Phenol-d6                | 6.59  | 99   | 958624   | 149.11 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 479723   | 81.93  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 239019   | 146.74 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 925805   | 88.41  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 880300   | 81.28  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.92 | 88   | 125698   | 47.734 | ng    | 91     |
| 3) Pyridine                    | 3.68 | 79   | 235517   | 40.155 | ng    | # 84   |
| 4) n-Nitrosodimethylamine      | 3.63 | 42   | 113503   | 46.190 | ng    | 91     |
| 6) Aniline                     | 6.62 | 93   | 288026   | 34.393 | ng    | # 54   |
| 8) 2-Chlorophenol              | 6.75 | 128  | 246368   | 42.516 | ng    | 100    |
| 9) Benzaldehyde                | 6.51 | 77   | 166926   | 47.076 | ng    | 98     |
| 10) Phenol                     | 6.60 | 94   | 303304   | 44.137 | ng    | # 66   |
| 11) bis(2-Chloroethyl)ether    | 6.69 | 93   | 229183   | 40.537 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146  | 262449   | 41.156 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.97 | 146  | 264320   | 40.983 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146  | 250641   | 41.863 | ng    | 99     |
| 15) Benzyl Alcohol             | 7.10 | 79   | 210665   | 42.606 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45   | 366473   | 40.541 | ng    | 70     |
| 17) 2-Methylphenol             | 7.20 | 107  | 199327   | 43.162 | ng    | # 84   |
| 18) Hexachloroethane           | 7.46 | 117  | 100566   | 42.590 | ng    | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70   | 166660   | 40.409 | ng    | 96     |
| 20) 3+4-Methylphenols          | 7.36 | 107  | 249015   | 41.715 | ng    | # 85   |
| 22) Acetophenone               | 7.36 | 105  | 342664   | 42.820 | ng    | # 94   |
| 24) Nitrobenzene               | 7.54 | 77   | 254864   | 42.160 | ng    | 95     |
| 25) Isophorone                 | 7.77 | 82   | 461661   | 46.254 | ng    | 96     |
| 26) 2-Nitrophenol              | 7.86 | 139  | 129633   | 45.063 | ng    | 90     |
| 27) 2,4-Dimethylphenol         | 7.89 | 122  | 221057   | 46.349 | ng    | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93   | 291650   | 43.014 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.10 | 162  | 203332   | 42.199 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180  | 221964   | 41.126 | ng    | 94     |
| 31) Naphthalene                | 8.26 | 128  | 714729   | 44.653 | ng    | 99     |
| 32) Benzoic acid               | 8.02 | 122  | 132671   | 35.991 | ng    | 90     |
| 33) 4-Chloroaniline            | 8.31 | 127  | 172471   | 23.942 | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.37 | 225  | 124562   | 41.565 | ng    | 96     |
| 35) Caprolactam                | 8.68 | 113  | 24418    | 14.539 | ng    | 97     |
| 36) 4-Chloro-3-methylphenol    | 8.79 | 107  | 218543   | 41.943 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 8.95 | 142  | 497773   | 47.002 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 9.05 | 142  | 466194   | 45.553 | ng    | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216  | 212040   | 41.385 | ng    | 97     |

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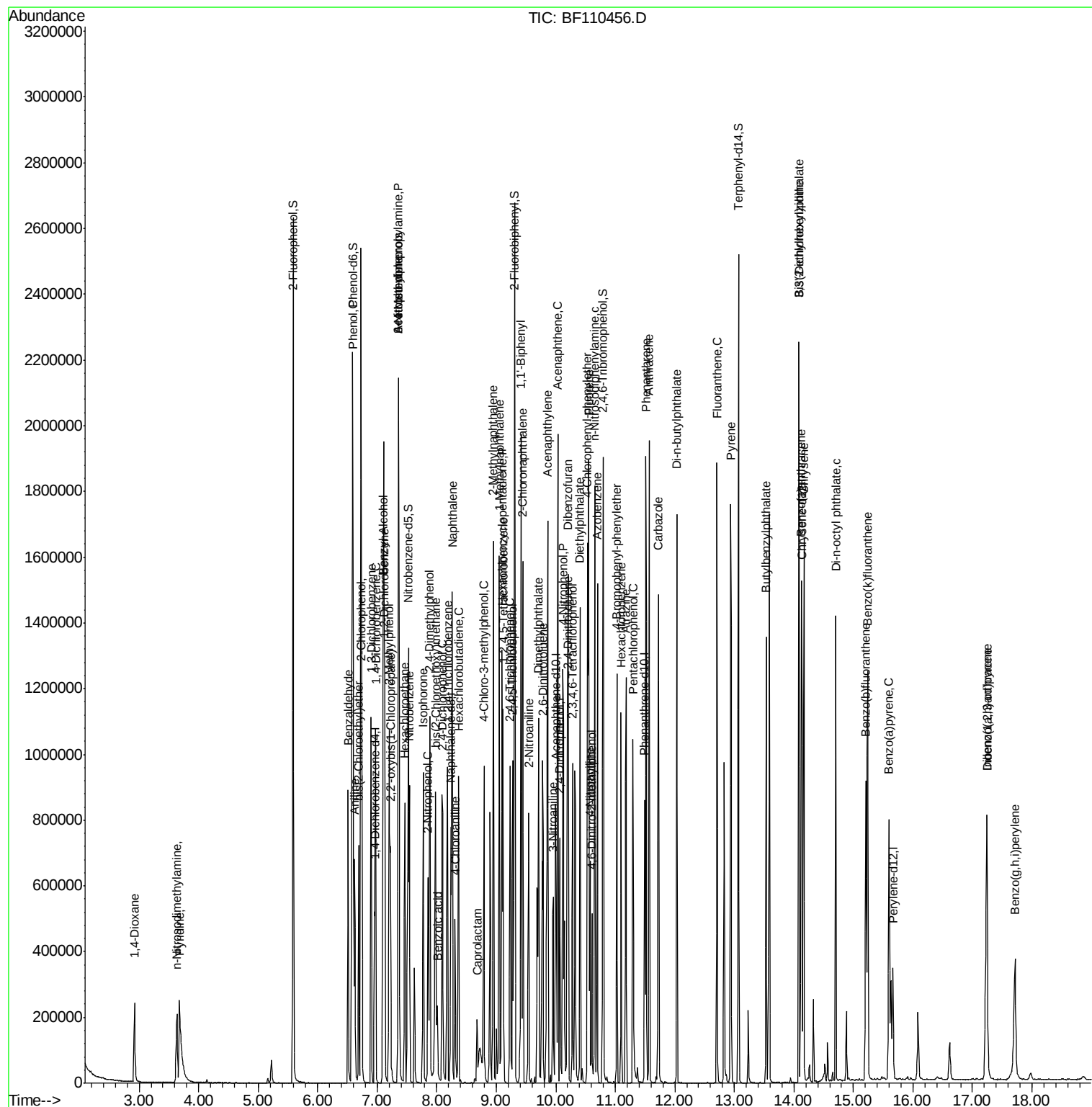
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.10  | 237  | 191660   | 73.157    | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.23  | 196  | 138391   | 41.878    | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.27  | 196  | 149182   | 42.707    | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.42  | 154  | 602213   | 40.498    | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.45  | 162  | 452118   | 41.450    | ng    | 99       |
| 48) 2-Nitroaniline             | 9.55  | 65   | 139567   | 42.224    | ng    | 93       |
| 49) Acenaphthylene             | 9.86  | 152  | 704666   | 44.728    | ng    | 99       |
| 50) Dimethylphthalate          | 9.71  | 163  | 518812   | 42.741    | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.78  | 165  | 114832   | 43.918    | ng    | 98       |
| 52) Acenaphthene               | 10.03 | 154  | 421468   | 40.439    | ng    | 97       |
| 53) 3-Nitroaniline             | 9.96  | 138  | 88859    | 28.578    | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 10.07 | 184  | 87462    | 84.007    | ng    | 92       |
| 55) Dibenzofuran               | 10.20 | 168  | 614724   | 42.127    | ng    | 99       |
| 56) 4-Nitrophenol              | 10.12 | 139  | 240032   | 104.304   | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.19 | 165  | 150486   | 45.312    | ng    | 93       |
| 58) Fluorene                   | 10.55 | 166  | 494002   | 45.488    | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.28 | 232  | 112636   | 39.560    | ng    | 98       |
| 60) Diethylphthalate           | 10.41 | 149  | 506064   | 42.709    | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.53 | 204  | 231647   | 40.434    | ng    | 97       |
| 62) 4-Nitroaniline             | 10.57 | 138  | 124217   | 40.167    | ng    | 97       |
| 63) Azobenzene                 | 10.70 | 77   | 497629   | 42.310    | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 59128    | 42.149    | ng    | 91       |
| 66) n-Nitrosodiphenylamine     | 10.66 | 169  | 427461   | 42.444    | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 11.03 | 248  | 136469   | 40.974    | ng    | 93       |
| 68) Hexachlorobenzene          | 11.10 | 284  | 146989   | 41.594    | ng    | # 92     |
| 69) Atrazine                   | 11.18 | 200  | 139052   | 43.689    | ng    | 97       |
| 70) Pentachlorophenol          | 11.30 | 266  | 138911   | 67.412    | ng    | 96       |
| 71) Phenanthrene               | 11.52 | 178  | 714593   | 44.478    | ng    | 100      |
| 72) Anthracene                 | 11.57 | 178  | 743690   | 46.181    | ng    | 99       |
| 73) Carbazole                  | 11.72 | 167  | 644169   | 40.968    | ng    | 99       |
| 74) Di-n-butylphthalate        | 12.03 | 149  | 784787   | 44.192    | ng    | 99       |
| 75) Fluoranthene               | 12.71 | 202  | 732510   | 44.924    | ng    | 99       |
| 77) Benzidine                  | 12.83 | 184  | 391401   | Below Cal |       | 98       |
| 78) Pyrene                     | 12.94 | 202  | 724376   | 44.858    | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.54 | 149  | 316163   | 45.108    | ng    | 94       |
| 81) Benzo(a)anthracene         | 14.13 | 228  | 596784   | 44.678    | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 133425   | 28.685    | ng    | 99       |
| 83) Chrysene                   | 14.17 | 228  | 565420   | 44.567    | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 412238   | 43.509    | ng    | 96       |
| 85) Di-n-octyl phthalate       | 14.70 | 149  | 638634   | 43.348    | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.24 | 276  | 409032   | 38.862    | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.21 | 252  | 441993   | 46.060    | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.24 | 252  | 441676   | 46.818    | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.60 | 252  | 417433   | 47.275    | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.24 | 278  | 345416   | 45.337    | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.72 | 276  | 343600   | 45.766    | ng    | 96       |

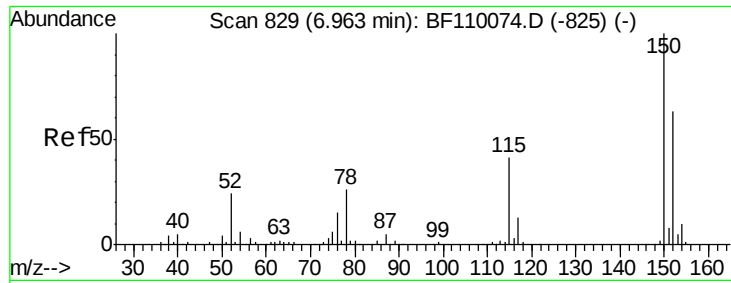
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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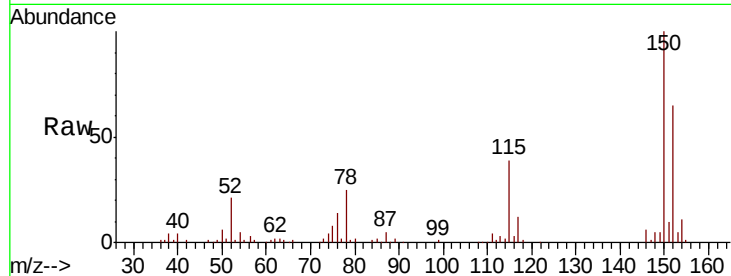


#1

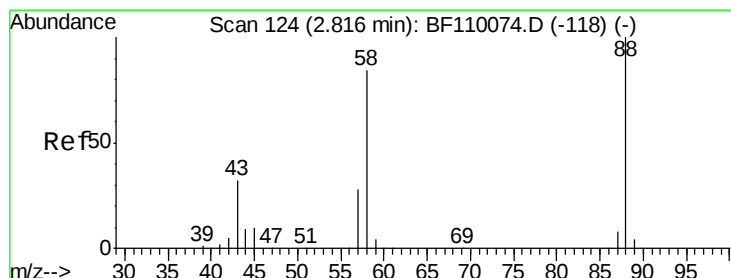
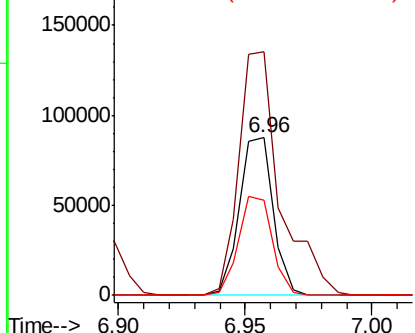
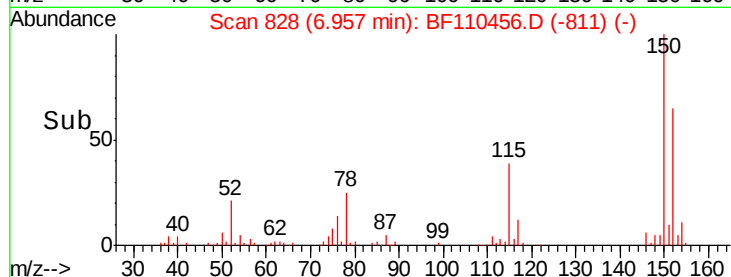
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 81848  
Ion Ratio Lower Upper  
152 100  
150 154.5 122.7 184.1  
115 60.1 49.1 73.7



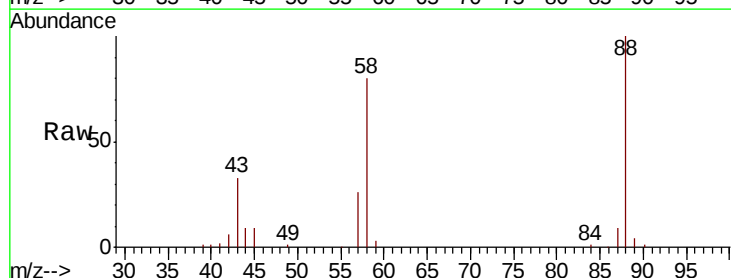
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



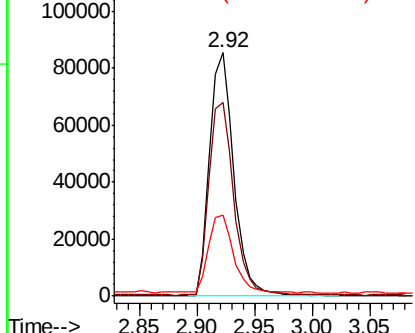
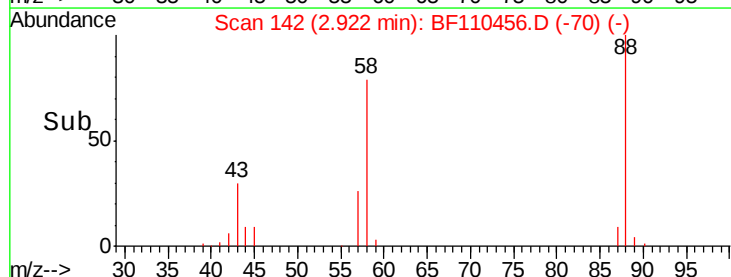
#2

1,4-Dioxane  
Concen: 47.734 ng  
RT: 2.92 min Scan# 142  
Delta R.T. 0.12 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion: 88 Resp: 125698  
Ion Ratio Lower Upper  
88 100  
58 81.0 57.1 85.7  
43 32.5 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: 40.155 ng

RT: 3.68 min Scan# 270

Delta R.T. 0.09 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

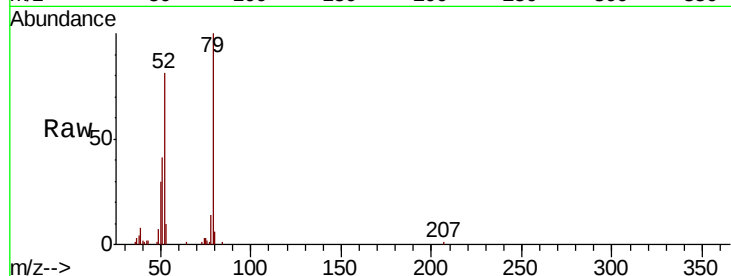
Tot Ion: 79 Resp: 235517

Ion Ratio Lower Upper

79 100

52 80.5 53.1 79.7#

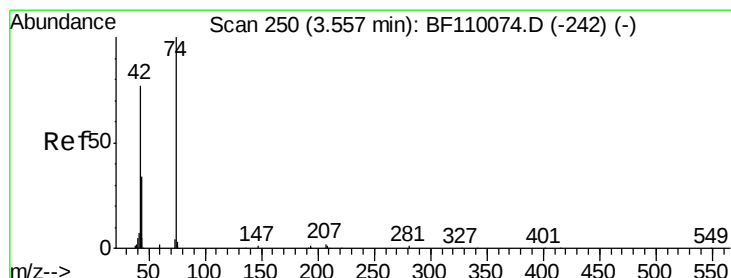
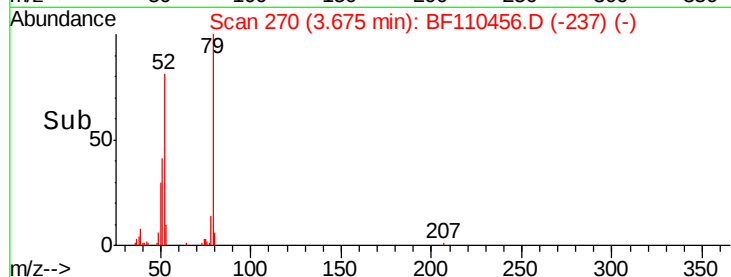
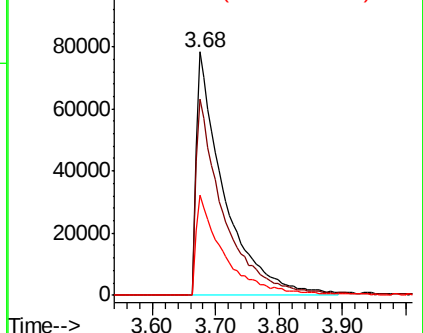
51 41.3 27.4 41.2#



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: 46.190 ng

RT: 3.63 min Scan# 263

Delta R.T. 0.09 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

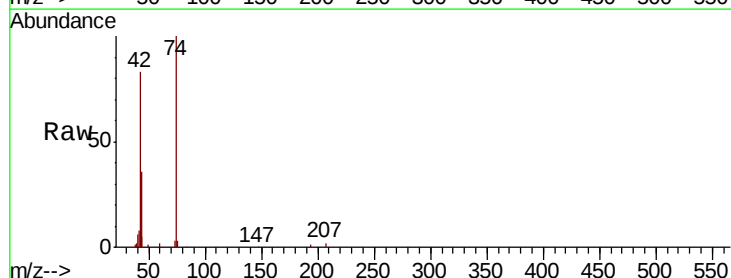
Tgt Ion: 42 Resp: 113503

Ion Ratio Lower Upper

42 100

74 120.9 105.5 158.3

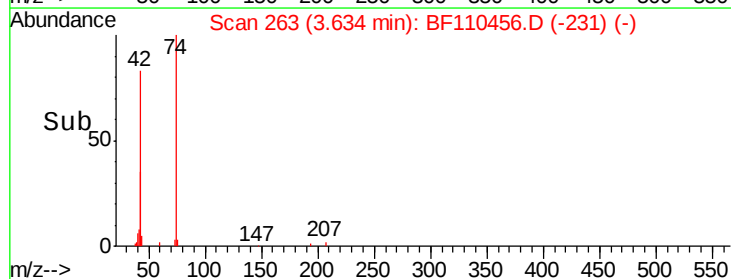
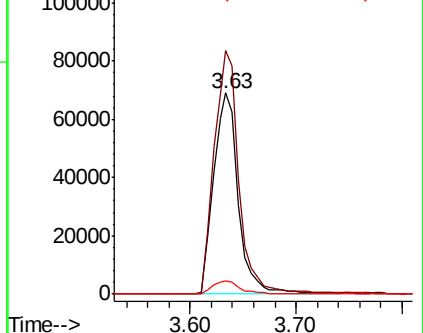
44 6.4 4.9 7.3

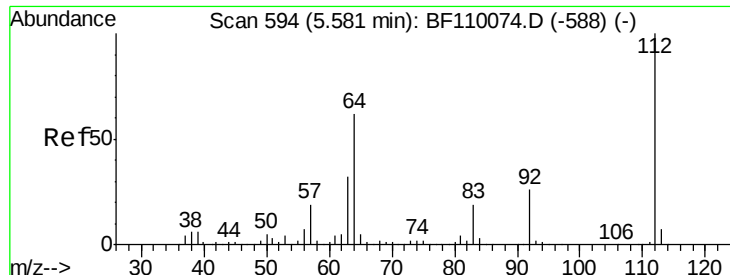


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 148.639 ng

RT: 5.59 min Scan# 596

Delta R.T. 0.02 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

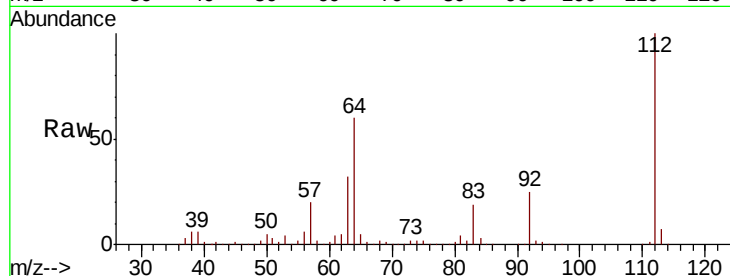
Tot Ion: 112 Resp: 747079

Ion Ratio Lower Upper

112 100

64 60.3 44.1 66.1

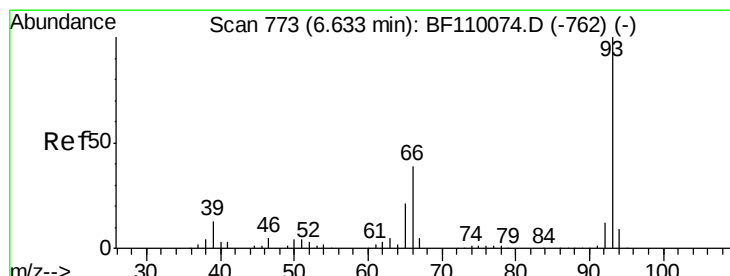
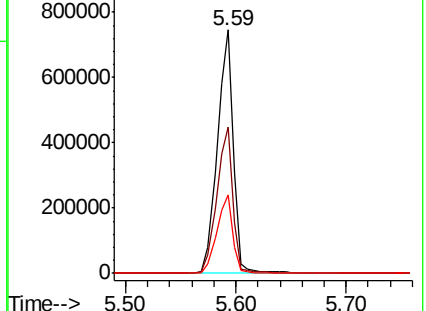
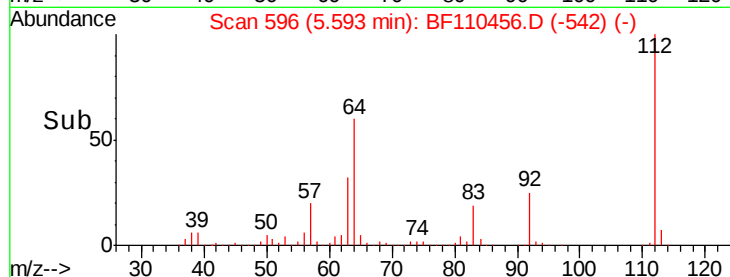
63 32.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.393 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

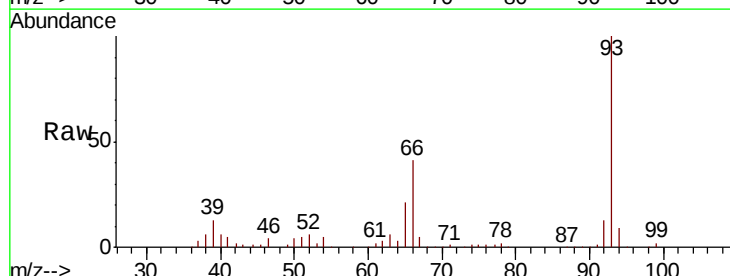
Tgt Ion: 93 Resp: 288026

Ion Ratio Lower Upper

93 100

66 41.0 67.4 101.0#

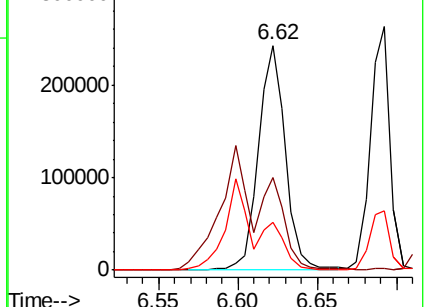
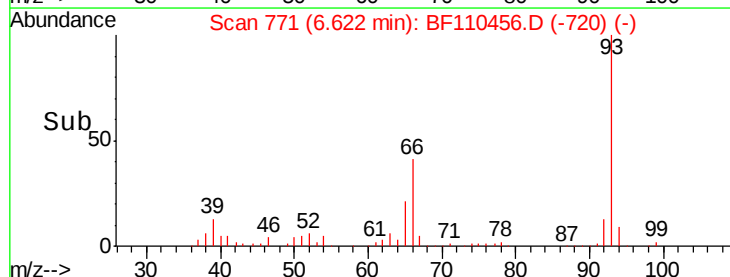
65 21.4 41.0 61.4#

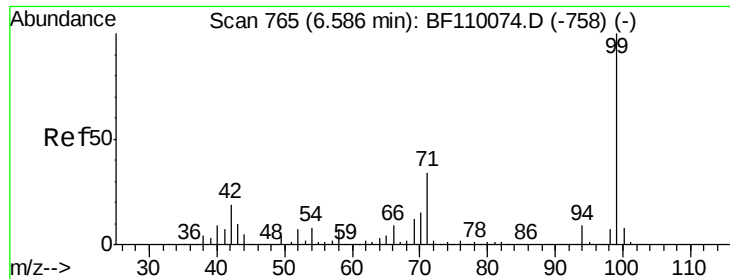


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 149.114 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

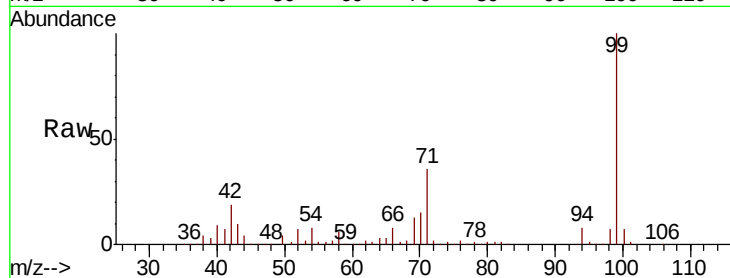
Tot Ion: 99 Resp: 958624

Ion Ratio Lower Upper

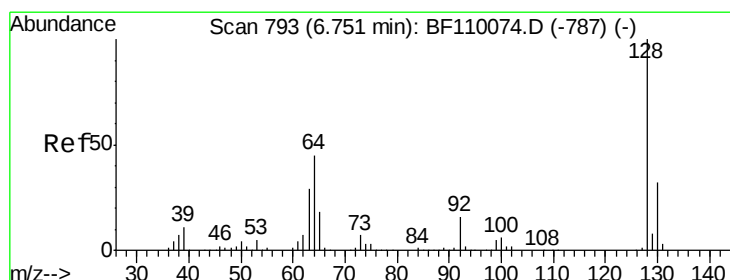
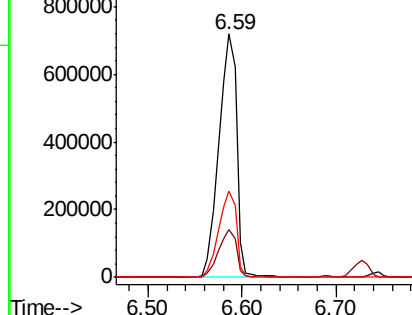
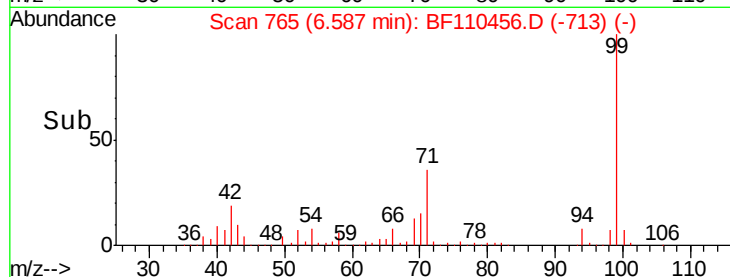
99 100

42 19.4 15.8 23.6

71 35.6 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: 42.516 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

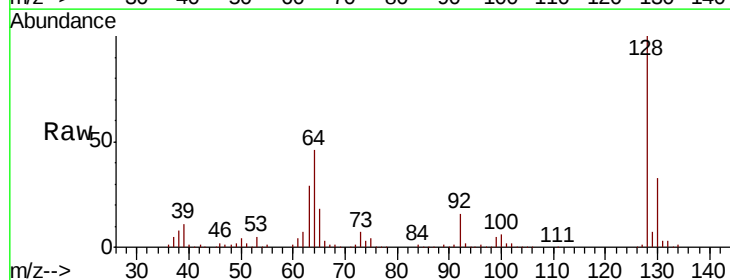
Tgt Ion: 128 Resp: 246368

Ion Ratio Lower Upper

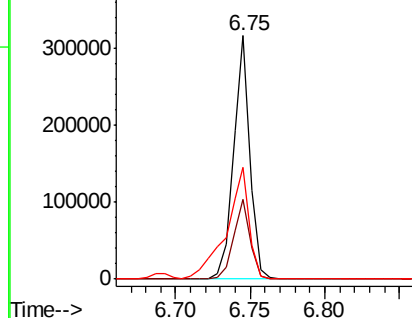
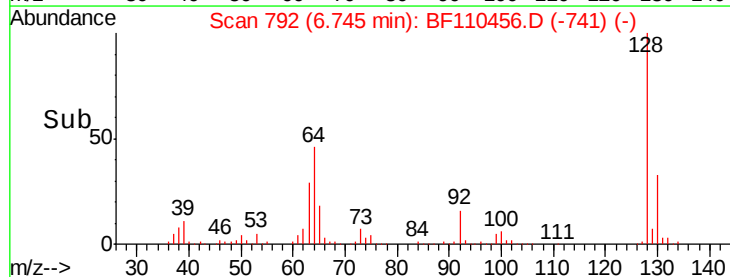
128 100

130 32.9 13.1 53.1

64 45.8 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: 47.076 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

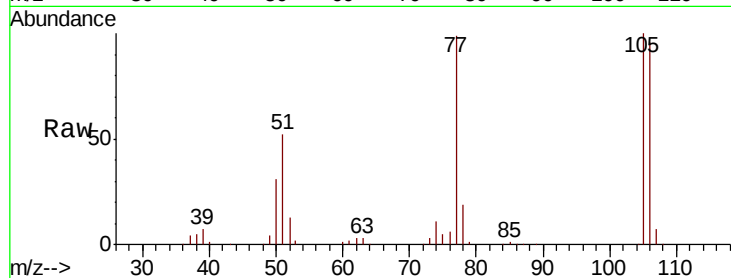
Tot Ion: 77 Resp: 166926

Ion Ratio Lower Upper

77 100

105 101.3 78.6 118.6

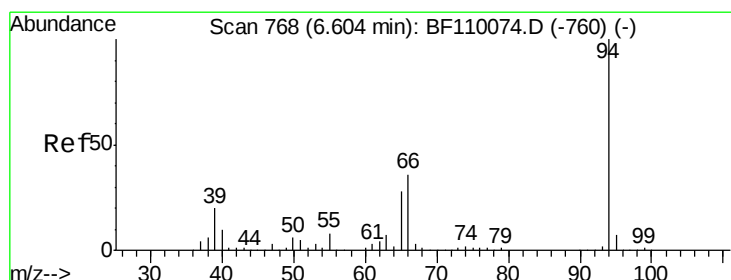
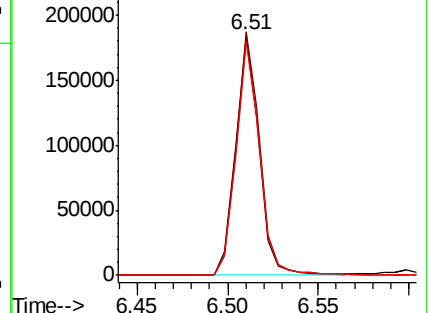
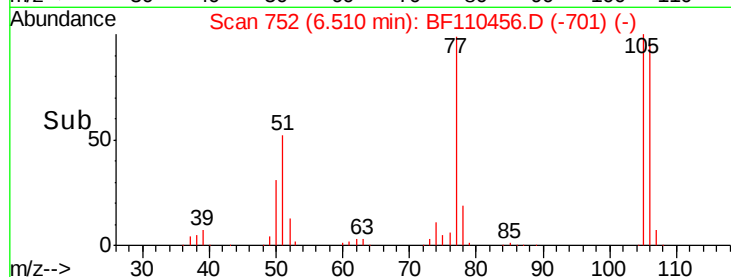
106 97.0 74.8 114.8



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: 44.137 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

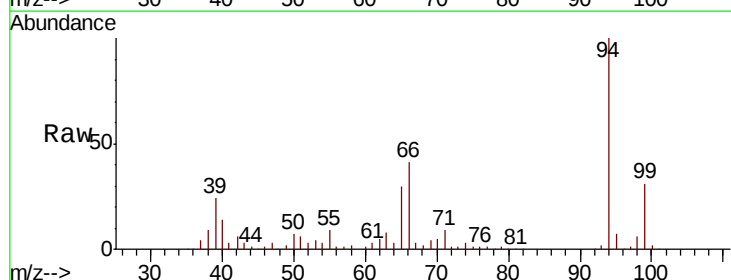
Tgt Ion: 94 Resp: 303304

Ion Ratio Lower Upper

94 100

65 29.7 25.3 65.3

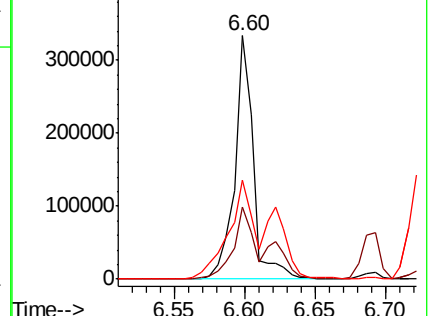
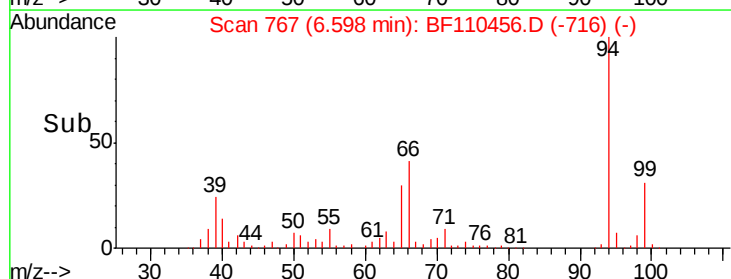
66 40.5 54.5 94.5#



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

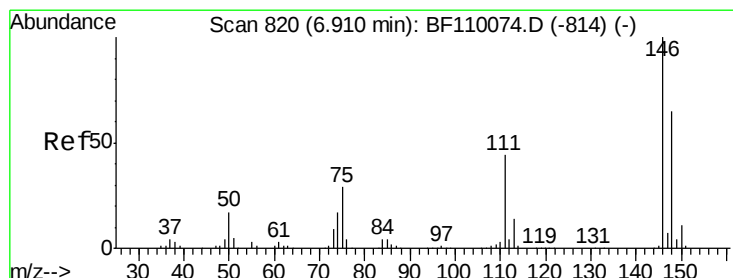
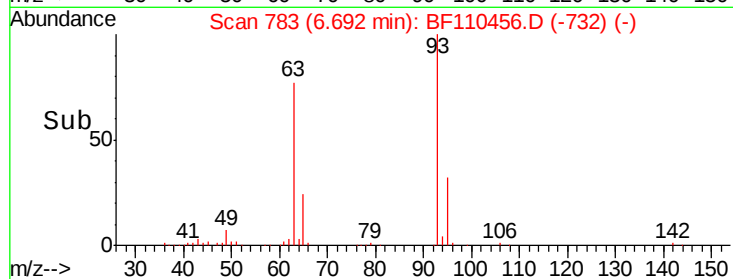
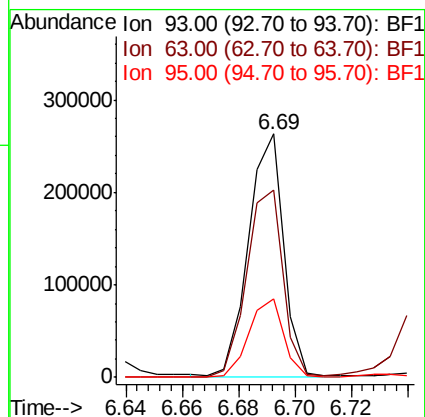
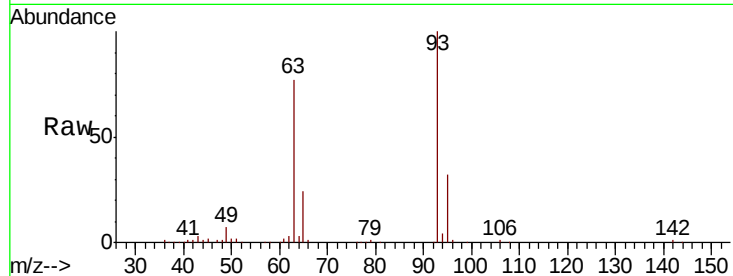




#11  
bis(2-Chloroethyl)ether  
Concen: 40.537 ng  
RT: 6.69 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

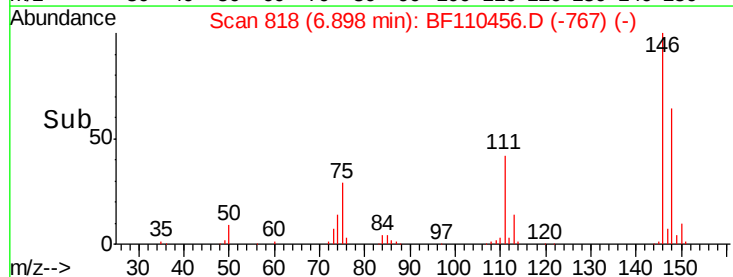
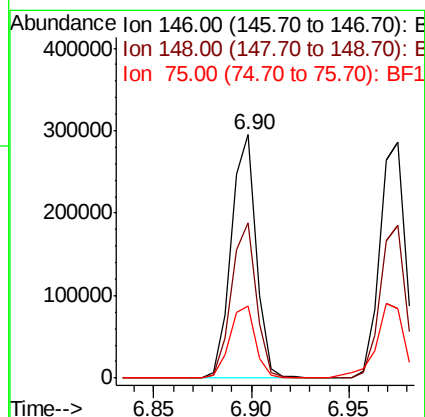
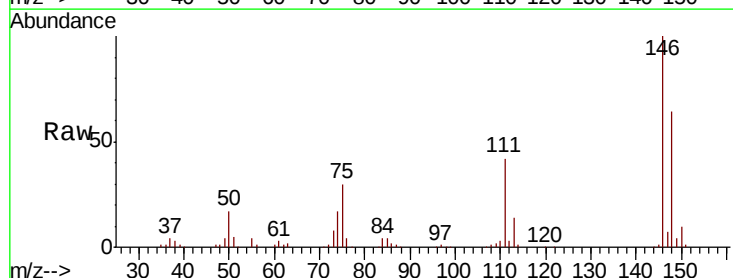
Instrument :  
BNA\_F  
ClientSampleId :

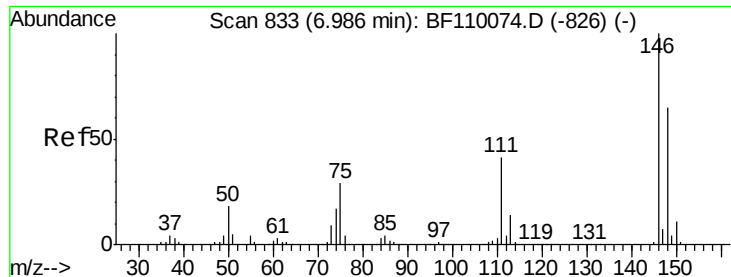
Tot Ion: 93 Resp: 229183  
Ion Ratio Lower Upper  
93 100  
63 77.0 53.4 93.4  
95 32.4 12.1 52.1



#12  
1,3-Dichlorobenzene  
Concen: 41.156 ng  
RT: 6.90 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion: 146 Resp: 262449  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.4 75.6  
75 29.8 25.8 38.6

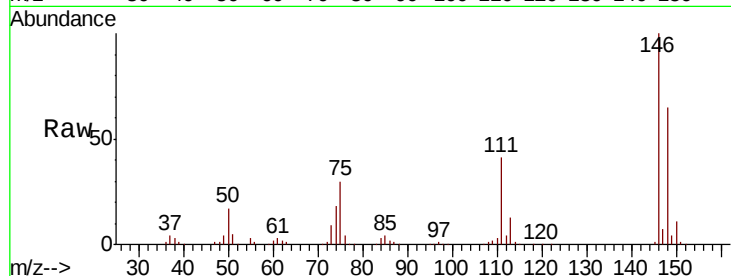




#13  
 1,4-Dichlorobenzene  
 Concen: 40.983 ng  
 RT: 6.97 min Scan# 831  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 50.3  | 75.5  |
| 111     | 41.3  | 32.7  | 49.1  |

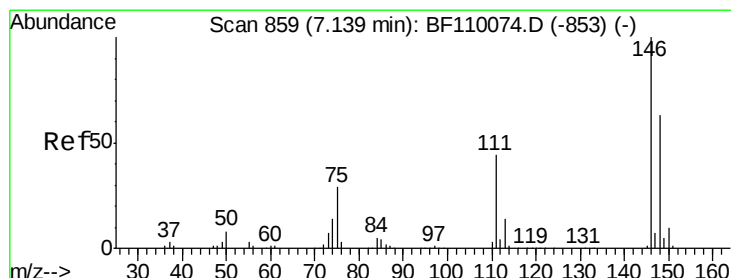
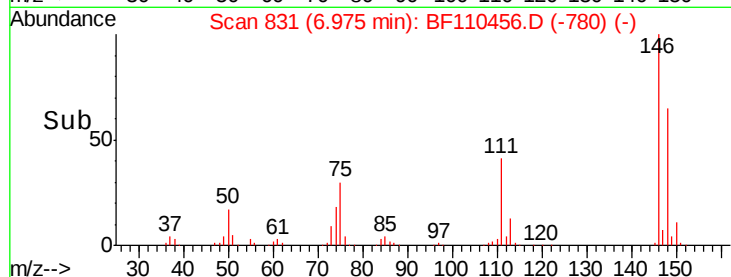
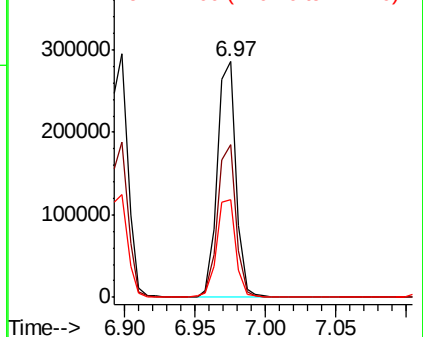


Abundance

Ion 146.00 (145.70 to 146.70): E

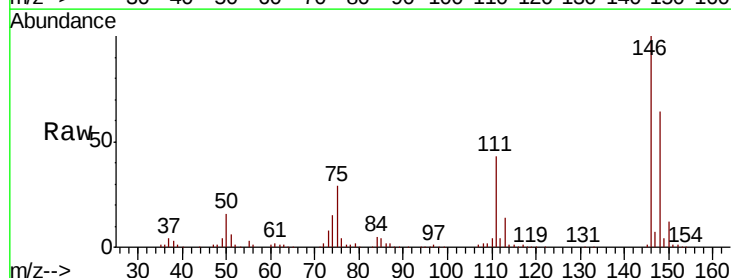
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 41.863 ng  
 RT: 7.13 min Scan# 857  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 51.1  | 76.7  |
| 111     | 42.8  | 35.8  | 53.6  |

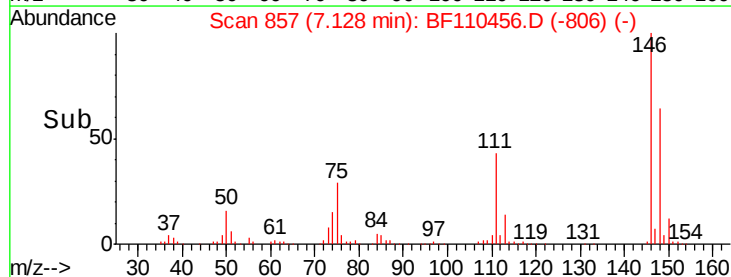
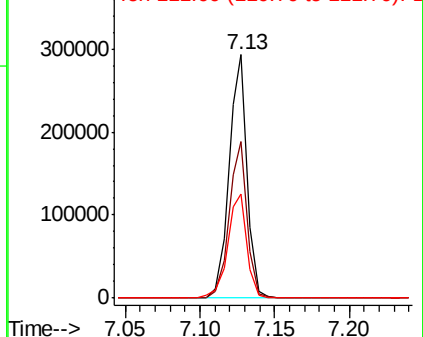


Abundance

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: 42.606 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

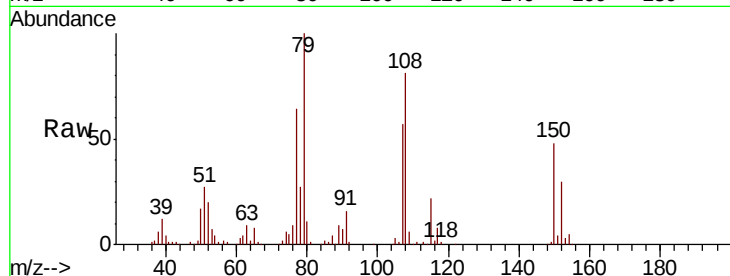
Tot Ion: 79 Resp: 210665

Ion Ratio Lower Upper

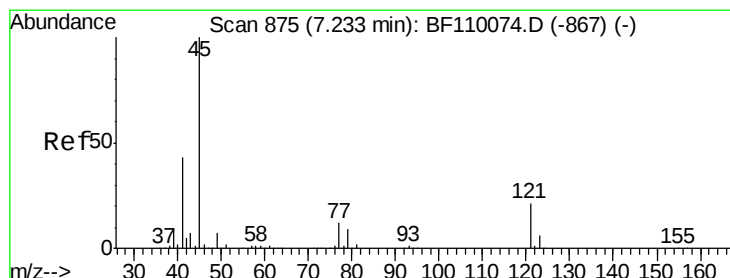
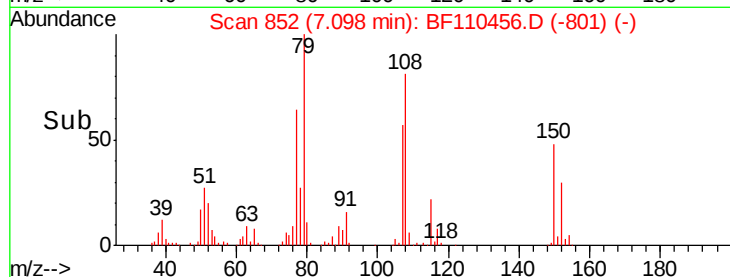
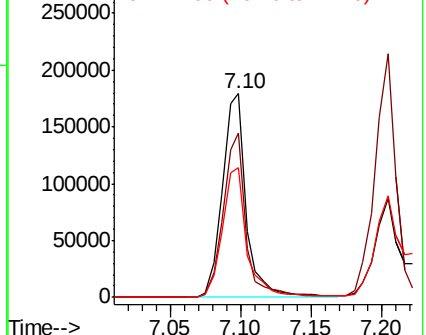
79 100

108 80.5 56.3 84.5

77 63.9 52.9 79.3



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.541 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

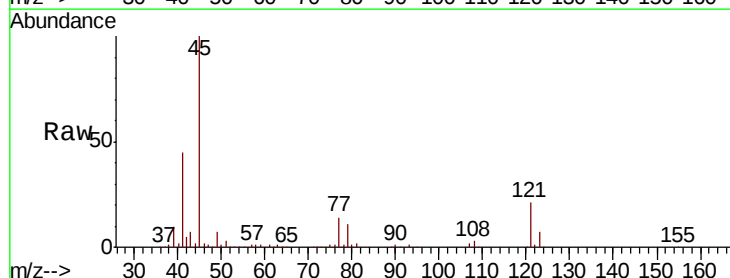
Tgt Ion: 45 Resp: 366473

Ion Ratio Lower Upper

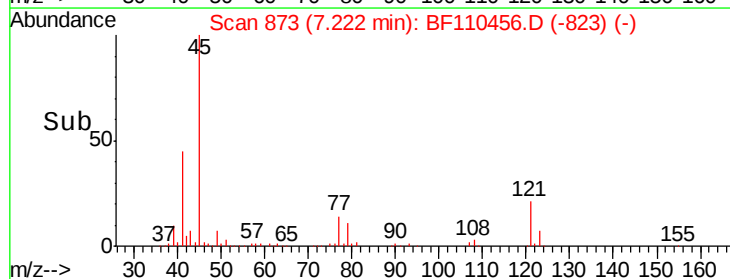
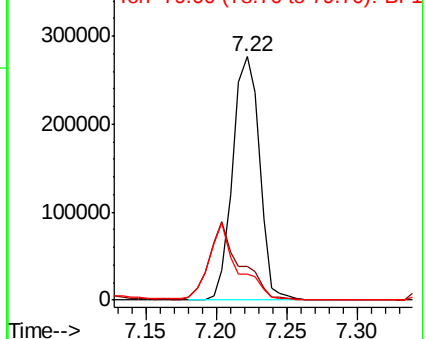
45 100

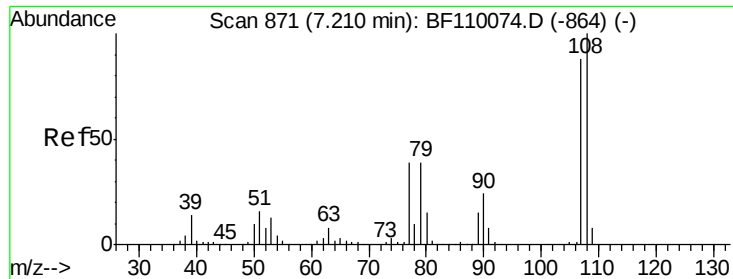
77 14.0 10.0 50.0

79 10.9 6.1 46.1



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

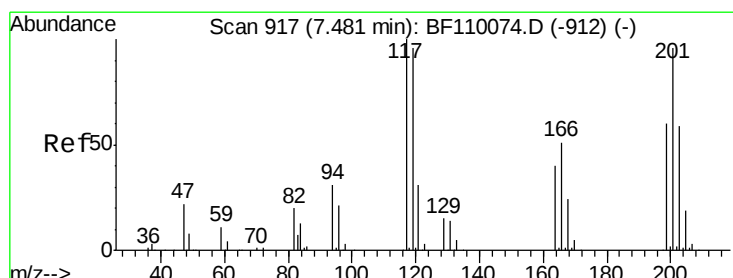
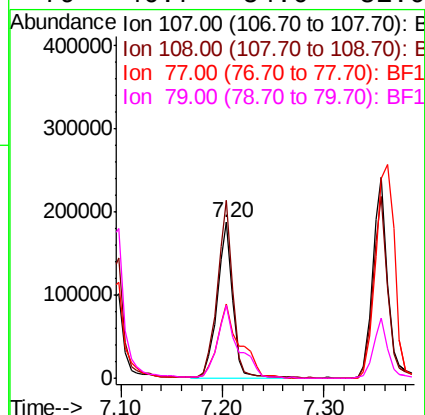
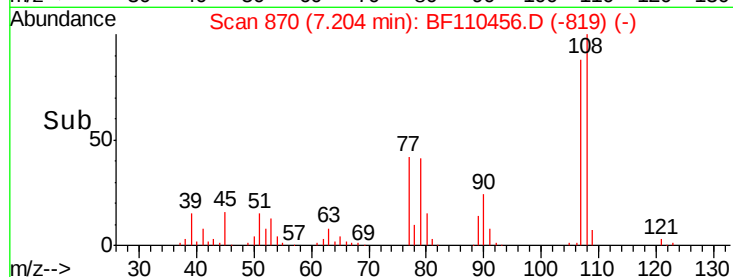
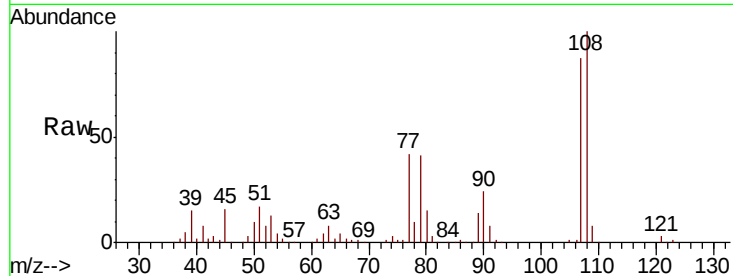




#17  
2-Methylphenol  
Concen: 43.162 ng  
RT: 7.20 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

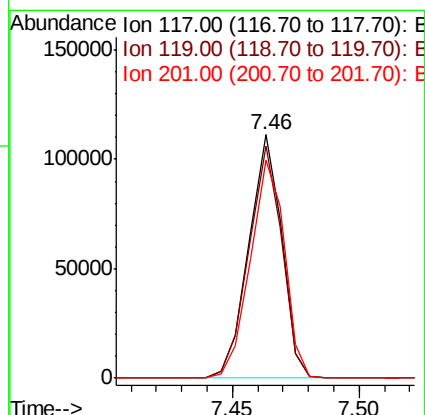
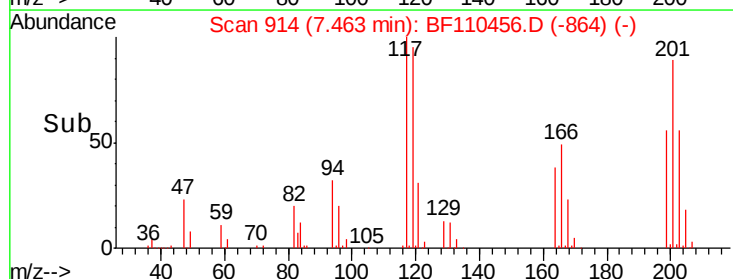
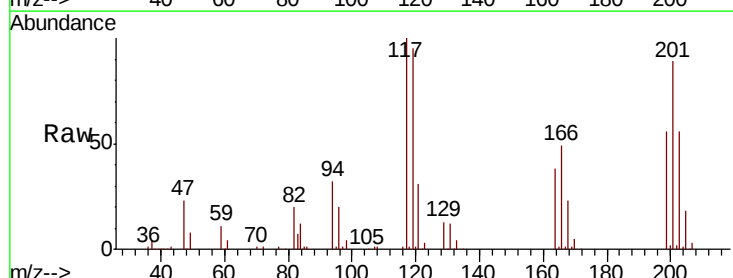
Instrument :  
BNA\_F  
ClientSampleId :

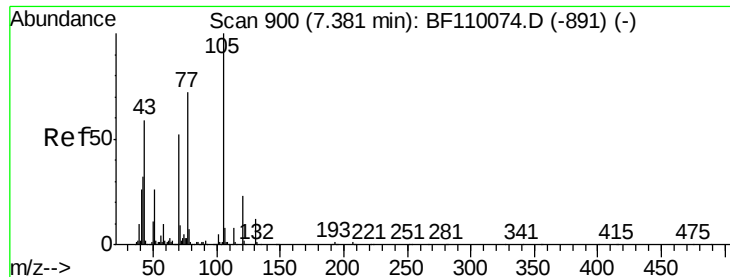
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.5 | 92.6  | 138.8 |
| 77      | 47.5  | 59.4  | 89.2# |
| 79      | 46.7  | 54.0  | 81.0# |



#18  
Hexachloroethane  
Concen: 42.590 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 75.0  | 112.6 |
| 201     | 89.5  | 79.2  | 118.8 |

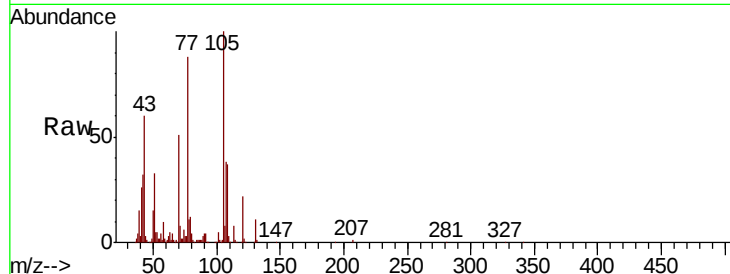




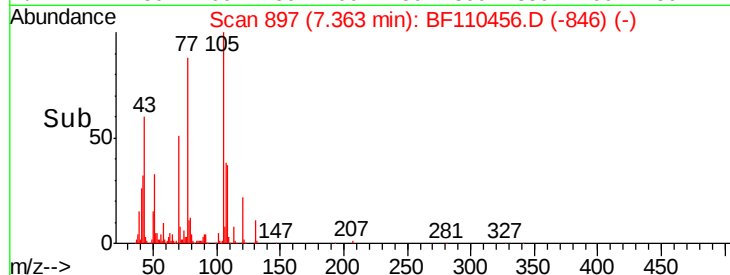
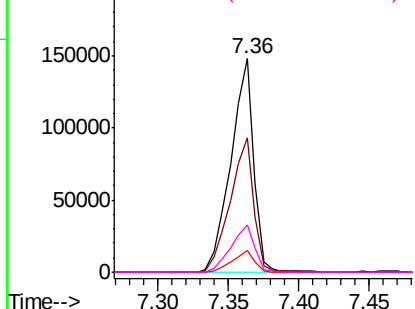
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.409 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 166660  
Ion Ratio Lower Upper  
70 100  
42 63.1 47.4 71.2  
101 10.0 7.3 10.9  
130 21.9 16.2 24.2

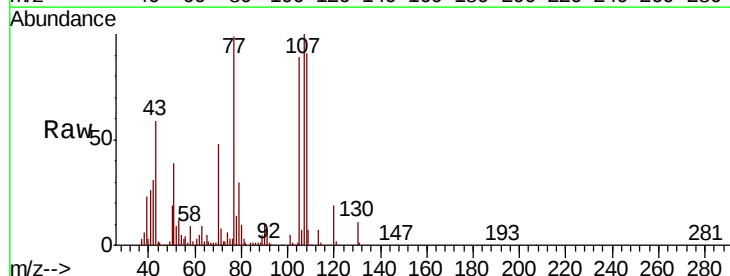
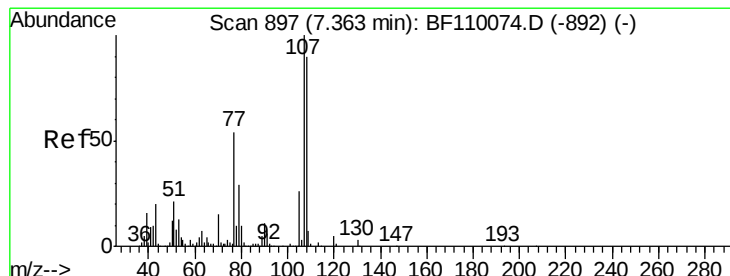


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

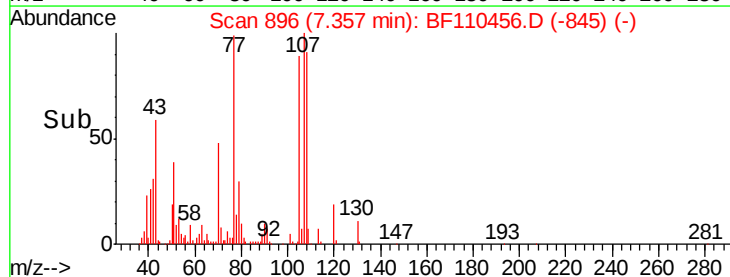
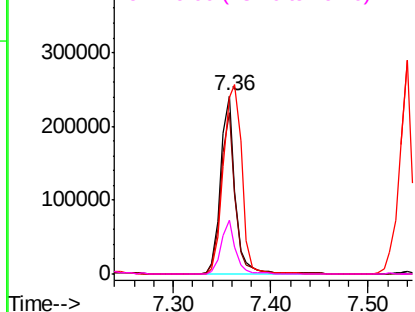


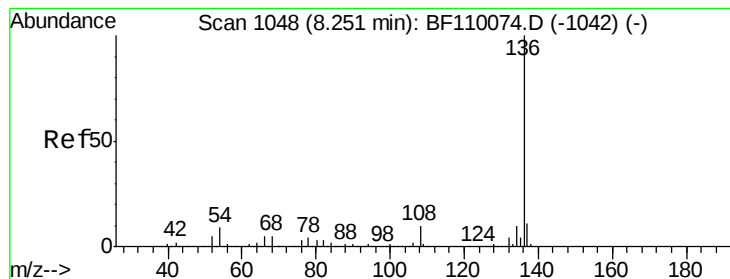
#20  
3+4-Methylphenols  
Concen: 41.715 ng  
RT: 7.36 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:107 Resp: 249015  
Ion Ratio Lower Upper  
107 100  
108 90.6 71.4 111.4  
77 99.3 47.3 87.3#  
79 30.0 10.9 50.9



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 347295

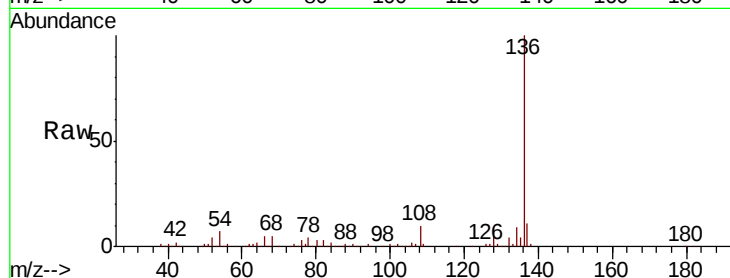
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.5 5.4 8.2

68 4.9 4.2 6.2

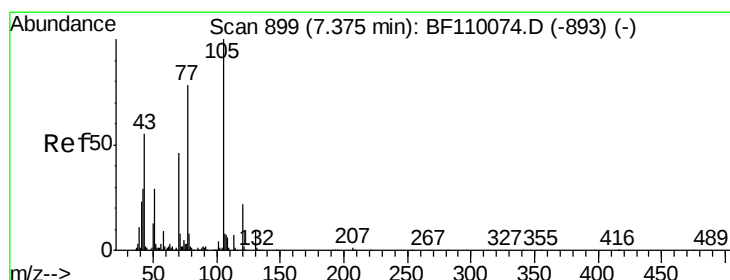
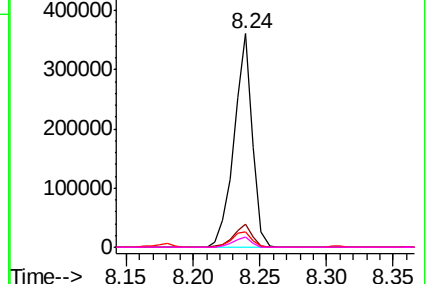
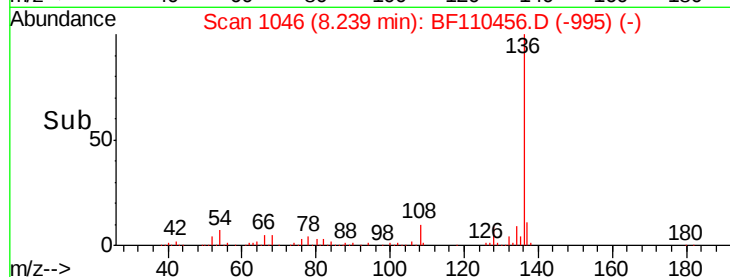


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.820 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Tgt Ion:105 Resp: 342664

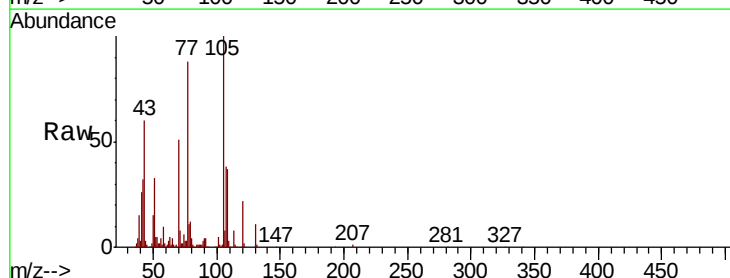
Ion Ratio Lower Upper

105 100

71 8.5 5.2 7.8#

51 32.6 21.8 32.8

120 22.0 17.0 25.4

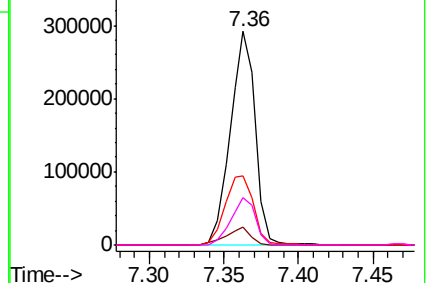
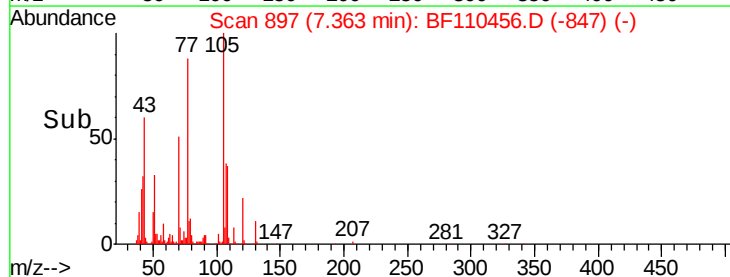


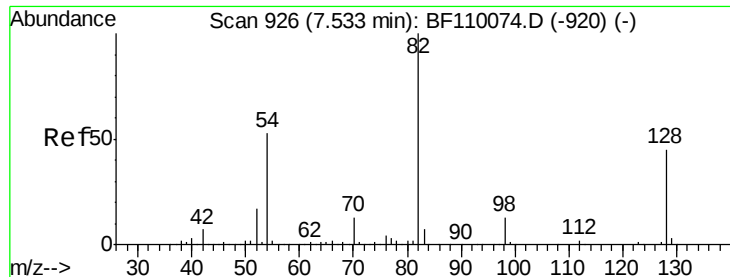
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

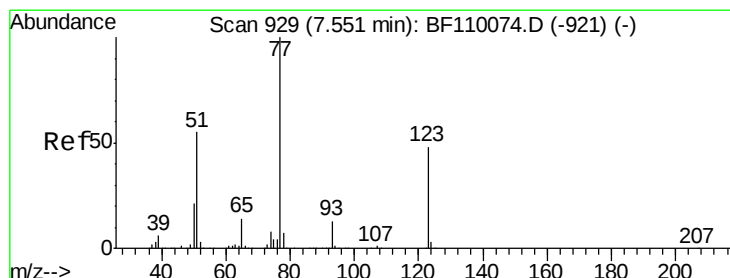
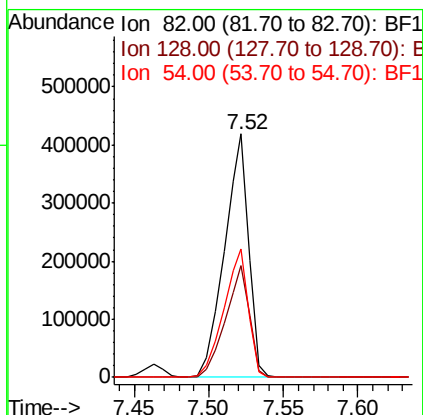
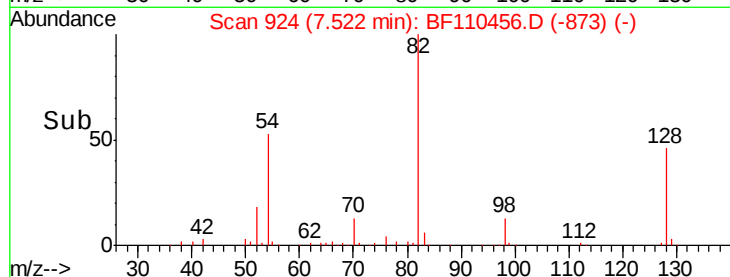
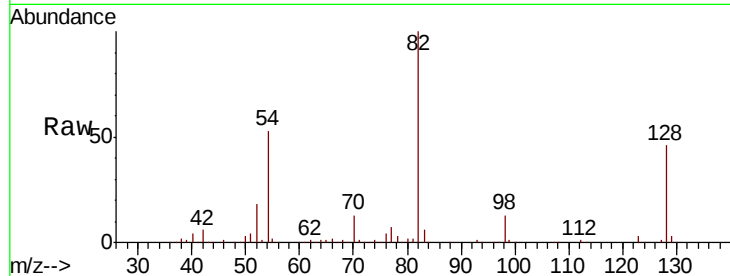




#23  
 Nitrobenzene-d5  
 Concen: 81.930 ng  
 RT: 7.52 min Scan# 924  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

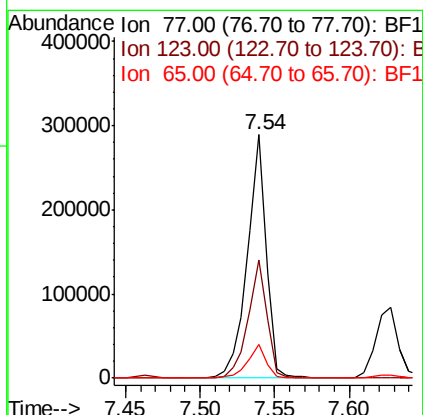
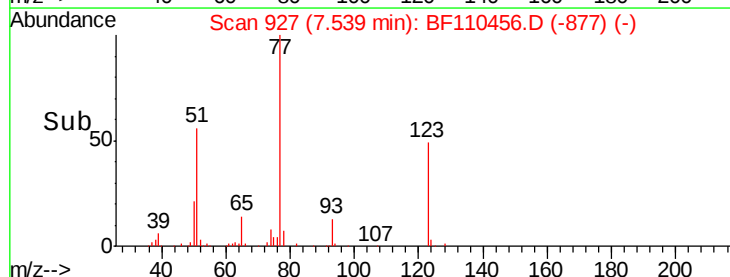
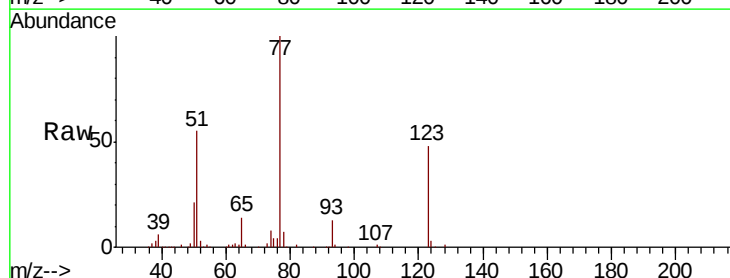
Instrument :  
 BNA\_F  
 ClientSampleId :

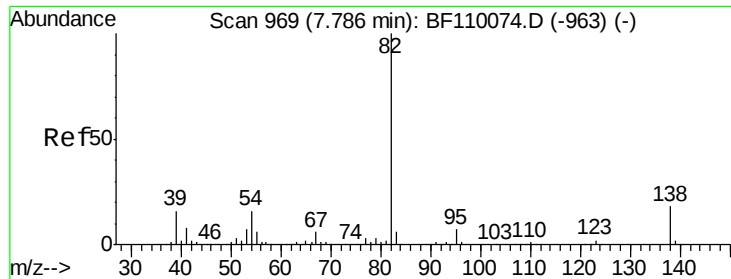
Tot Ion: 82 Resp: 479723  
 Ion Ratio Lower Upper  
 82 100  
 128 45.9 34.2 51.2  
 54 52.7 38.6 58.0



#24  
 Nitrobenzene  
 Concen: 42.160 ng  
 RT: 7.54 min Scan# 927  
 Delta R.T. -0.01 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Tgt Ion: 77 Resp: 254864  
 Ion Ratio Lower Upper  
 77 100  
 123 48.4 35.7 53.5  
 65 13.9 10.7 16.1

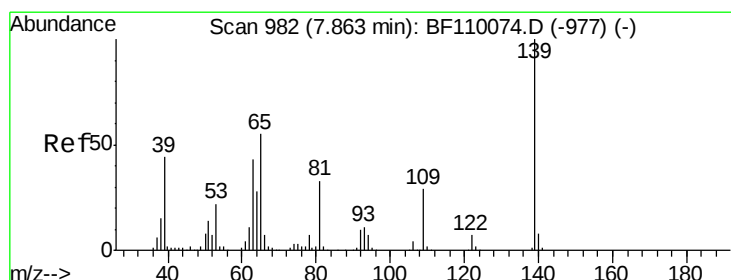
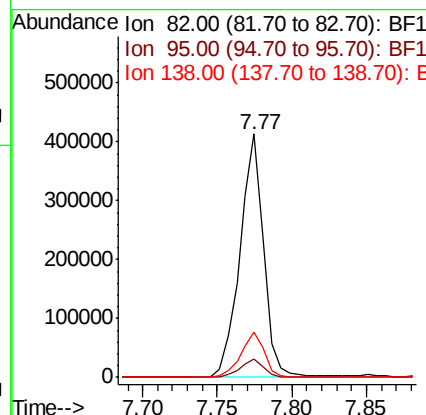
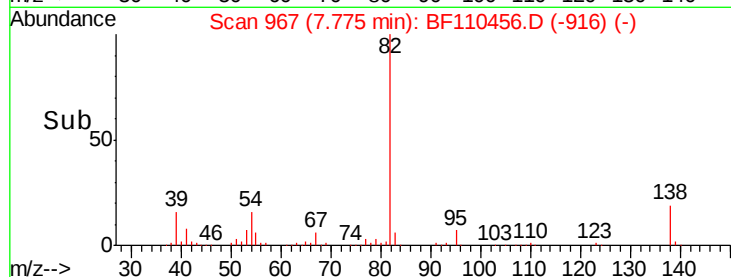
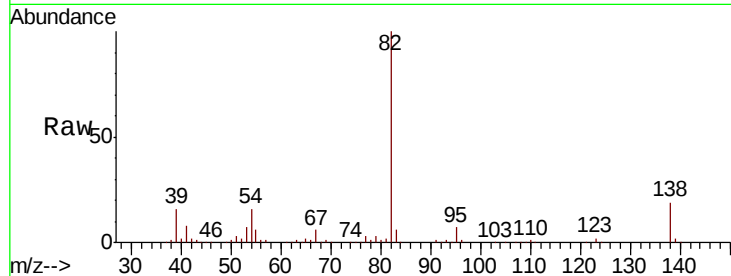




#25  
Isophorone  
Concen: 46.254 ng  
RT: 7.77 min Scan# 967  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

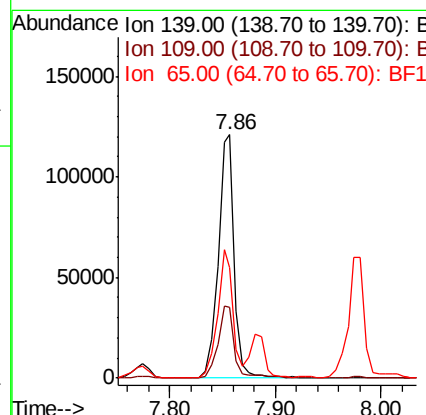
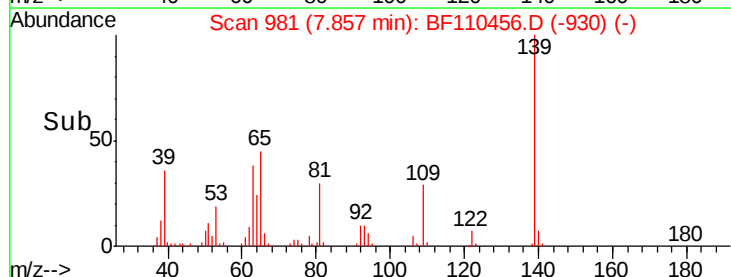
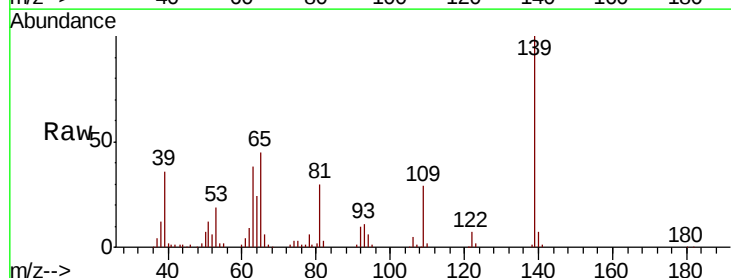
Instrument :  
BNA\_F  
ClientSampled :

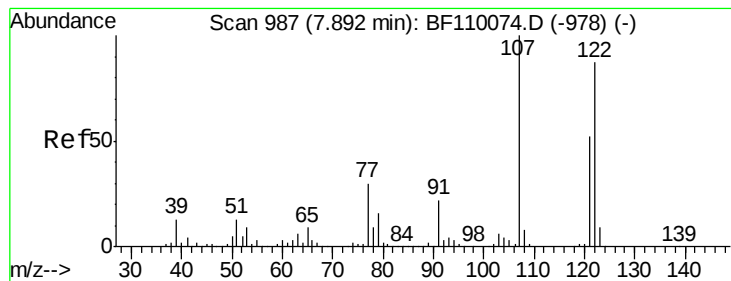
Tot Ion: 82 Resp: 461661  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.7 8.5  
138 18.6 13.2 19.8



#26  
2-Nitrophenol  
Concen: 45.063 ng  
RT: 7.86 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion: 139 Resp: 129633  
Ion Ratio Lower Upper  
139 100  
109 29.0 25.0 37.6  
65 45.3 44.0 66.0





#27

2,4-Dimethylphenol

Concen: 46.349 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

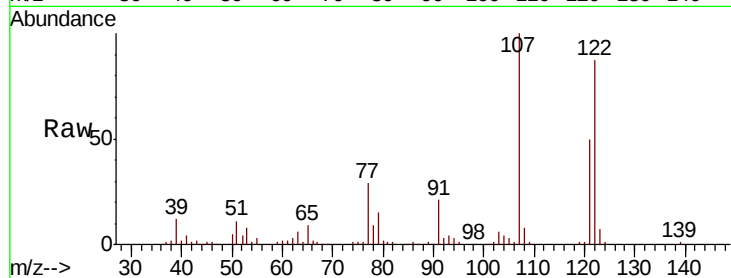
Tot Ion:122 Resp: 221057

Ion Ratio Lower Upper

122 100

107 115.5 92.5 138.7

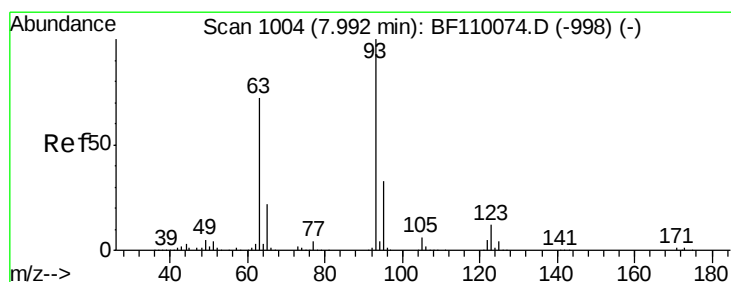
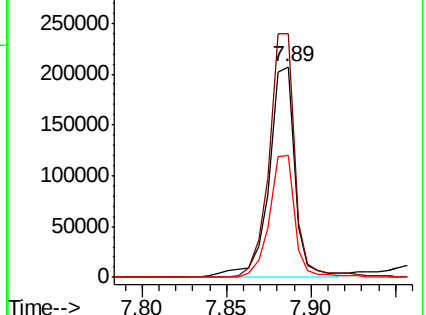
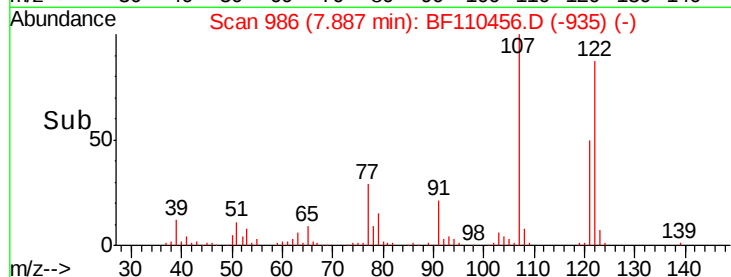
121 58.2 45.8 68.8



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: 43.014 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

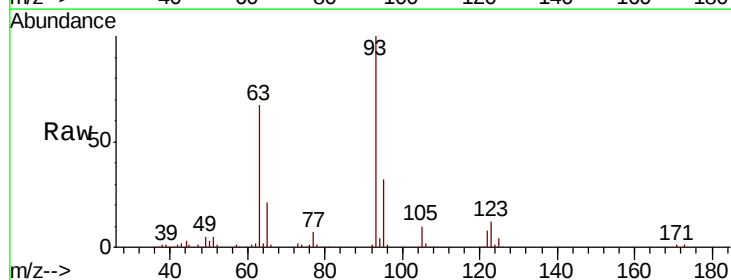
Tgt Ion: 93 Resp: 291650

Ion Ratio Lower Upper

93 100

95 32.3 26.4 39.6

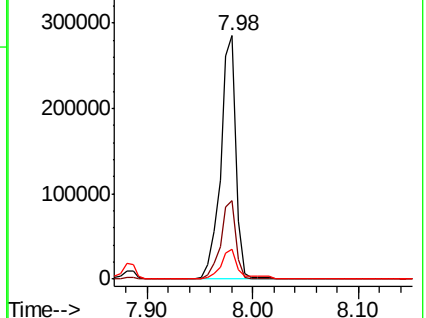
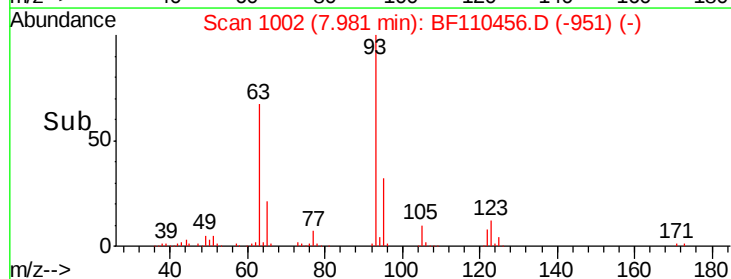
123 12.2 9.0 13.6

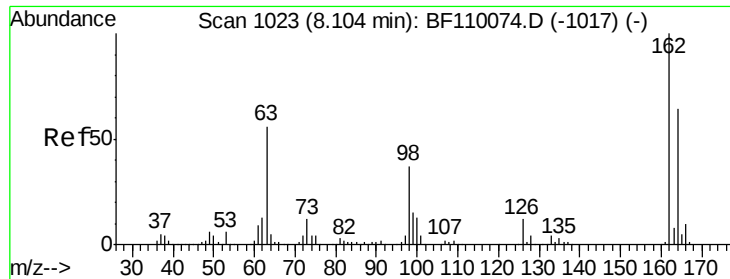


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

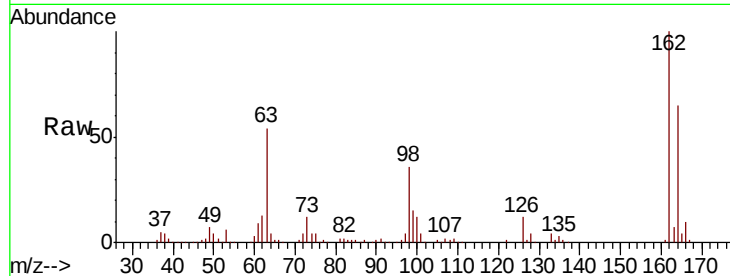




#29  
 2,4-Dichlorophenol  
 Concen: 42.199 ng  
 RT: 8.10 min Scan# 1022  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleID :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.4  | 44.6  | 84.6  |
| 98      | 35.7  | 17.4  | 57.4  |

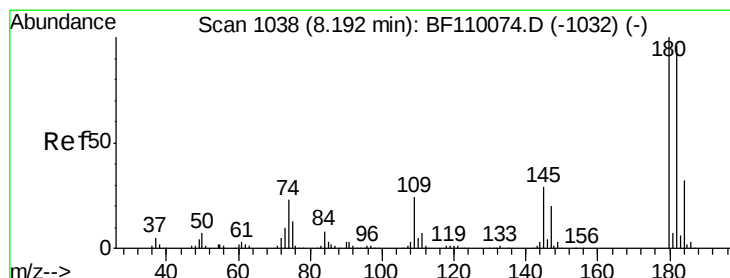
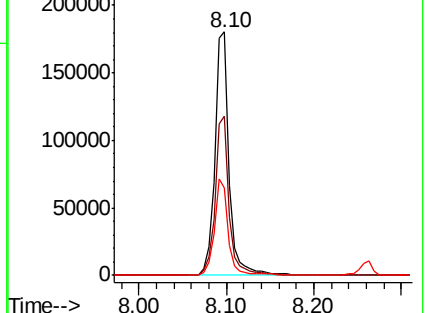
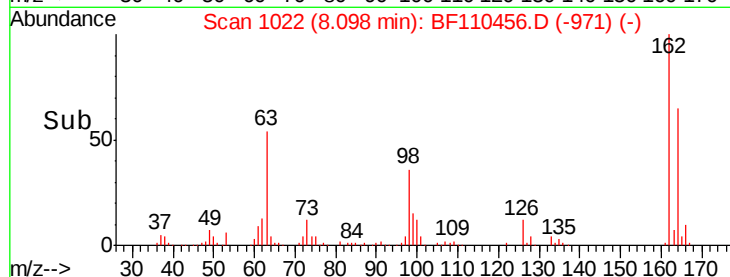


Abundance

Ion 162.00 (161.70 to 162.70): E

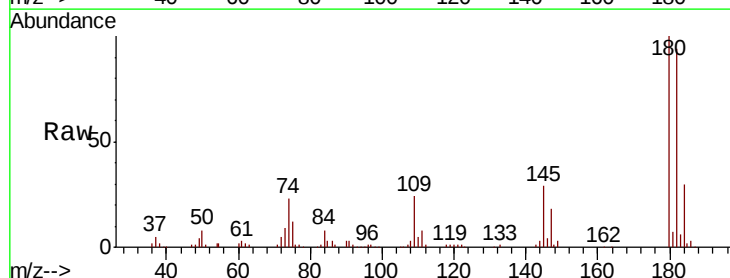
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.126 ng  
 RT: 8.18 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 80.3  | 120.5 |
| 145     | 29.1  | 25.4  | 38.0  |

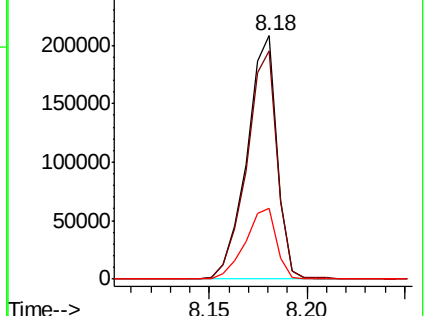
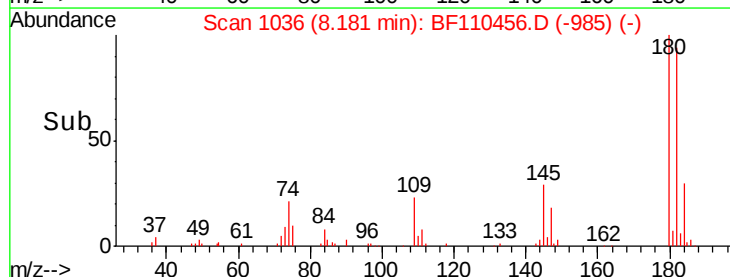


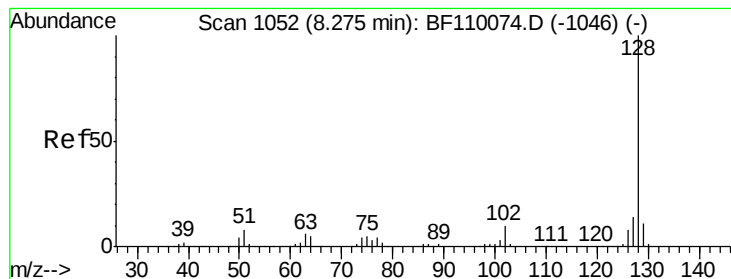
Abundance

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: 44.653 ng

RT: 8.26 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

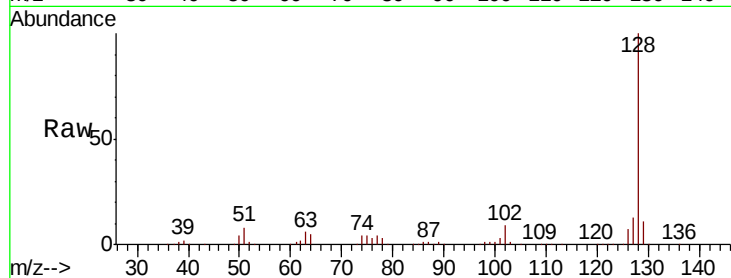
Tot Ion:128 Resp: 714729

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

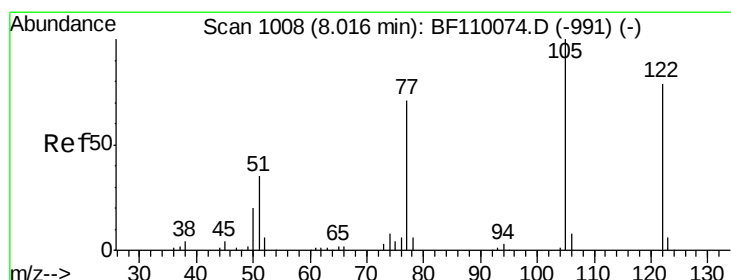
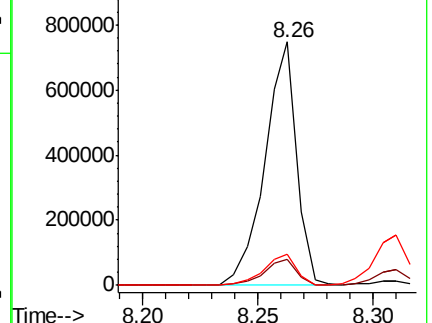
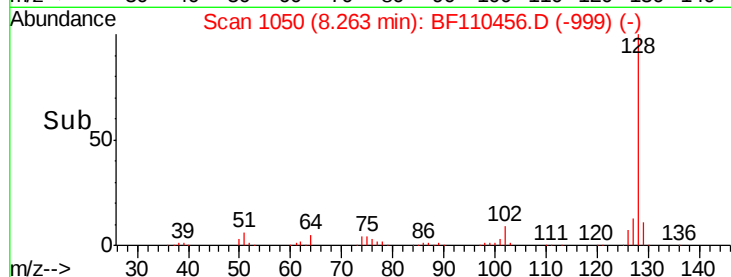
127 13.0 10.8 16.2



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: 35.991 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

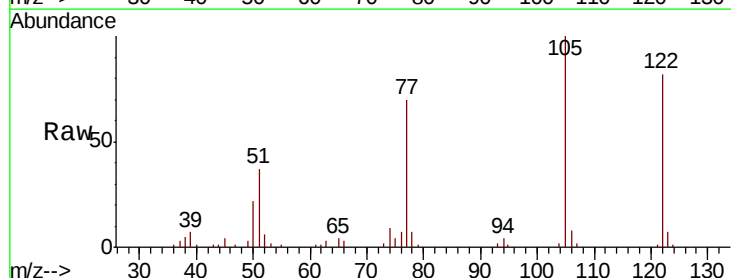
Tgt Ion:122 Resp: 132671

Ion Ratio Lower Upper

122 100

105 121.8 109.0 149.0

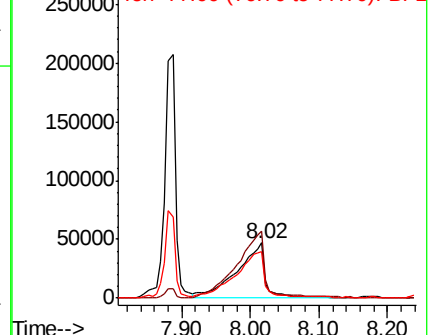
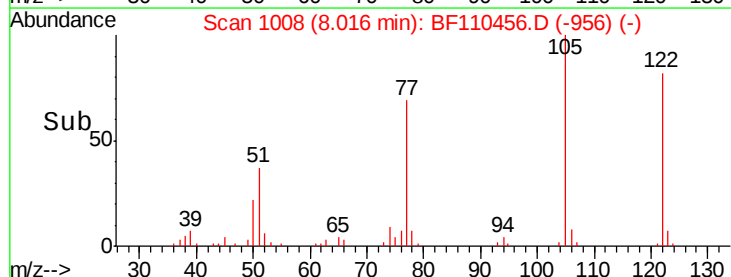
77 85.0 79.0 119.0

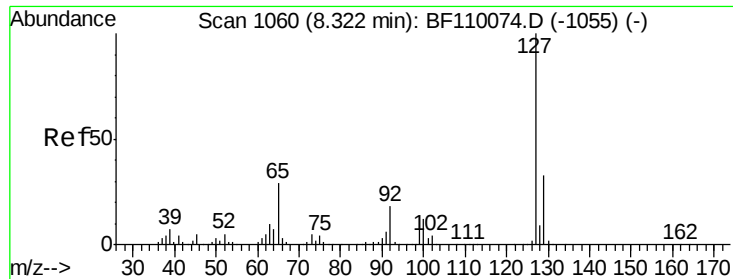


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

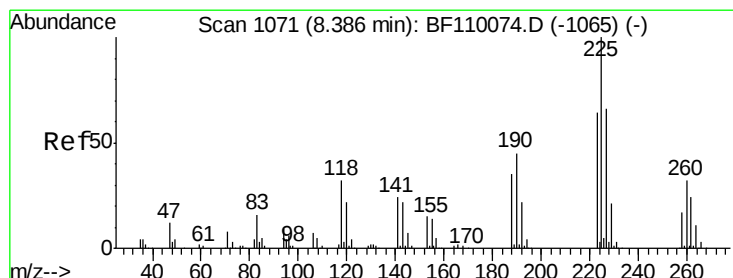
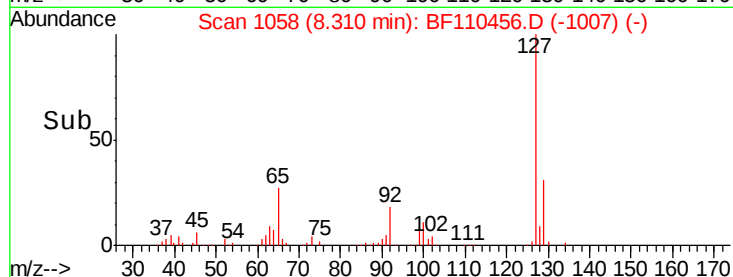
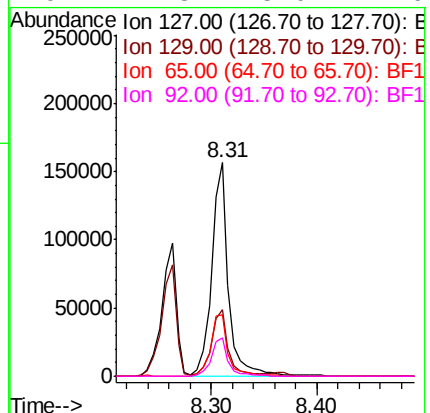
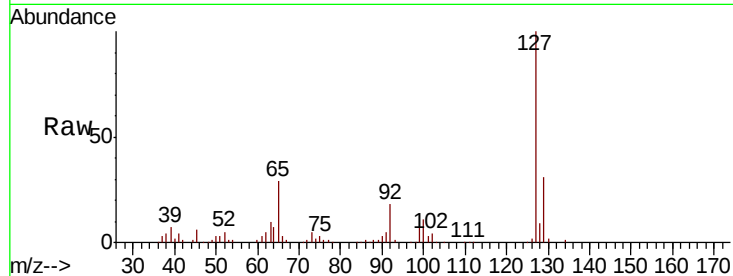




#33  
4-Chloroaniline  
Concen: 23.942 ng  
RT: 8.31 min Scan# 1058  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

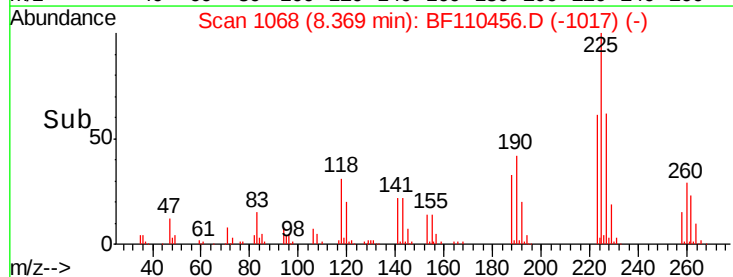
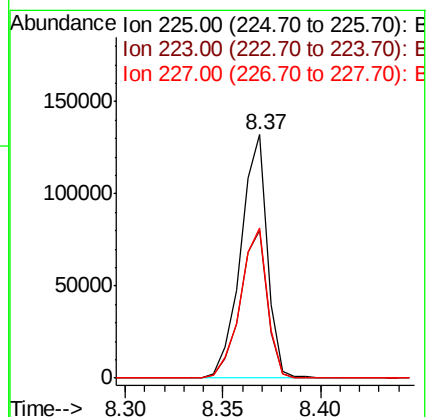
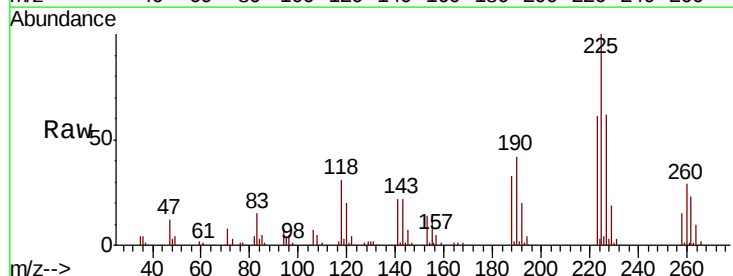
Instrument :  
BNA\_F  
ClientSampled :

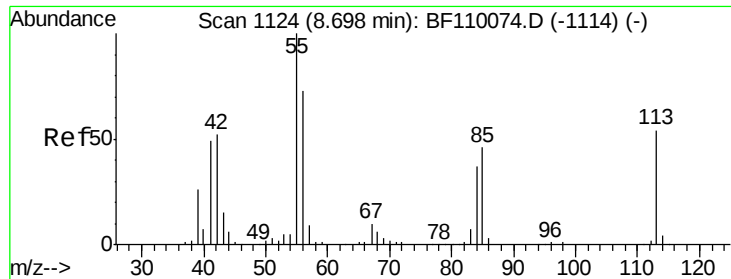
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 172471 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.2  | 26.0  | 39.0   |
| 65       | 28.7  | 25.1  | 37.7   |
| 92       | 17.8  | 15.0  | 22.6   |



#34  
Hexachlorobutadiene  
Concen: 41.565 ng  
RT: 8.37 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 124562 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 60.8  | 51.4  | 77.2   |
| 227      | 61.7  | 51.0  | 76.6   |

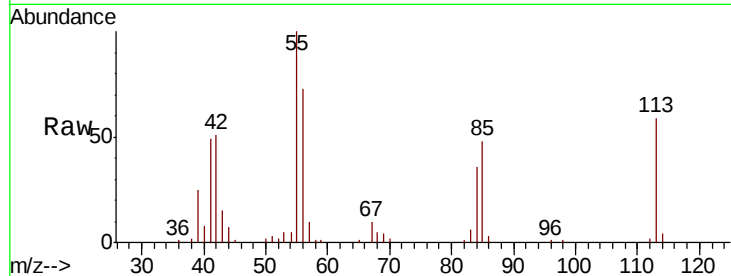




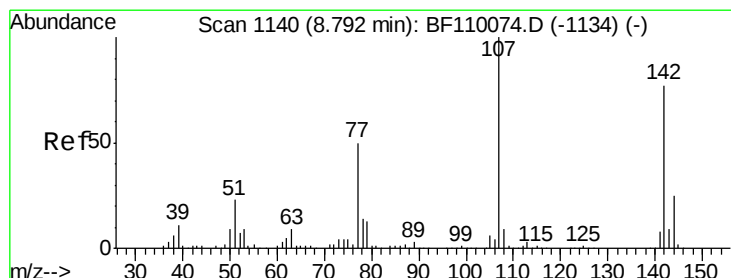
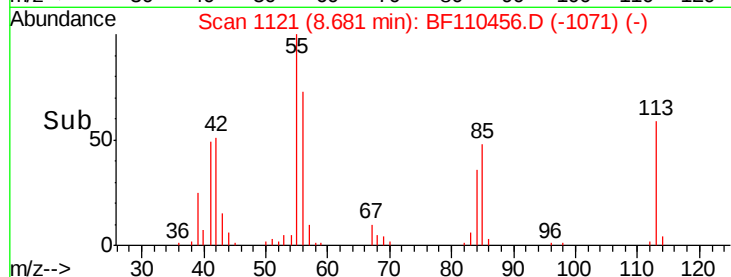
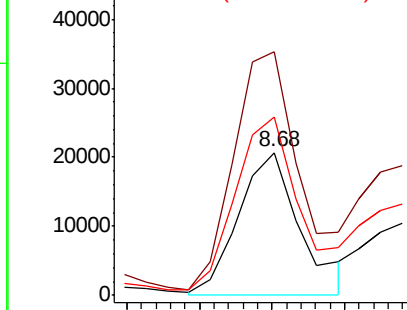
#35  
 Caprolactam  
 Concen: 14.539 ng  
 RT: 8.68 min Scan# 1121  
 Delta R.T. -0.01 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 24418  
 Ion Ratio Lower Upper  
 113 100  
 55 170.7 142.8 182.8  
 56 125.3 105.0 145.0

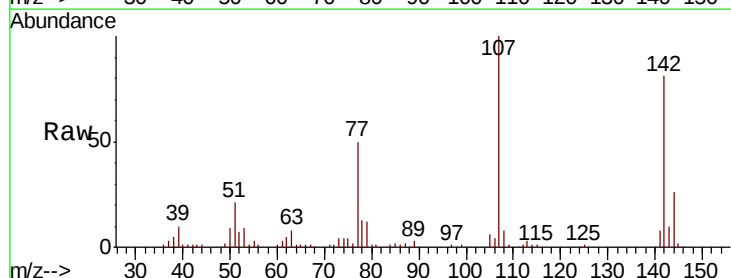


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

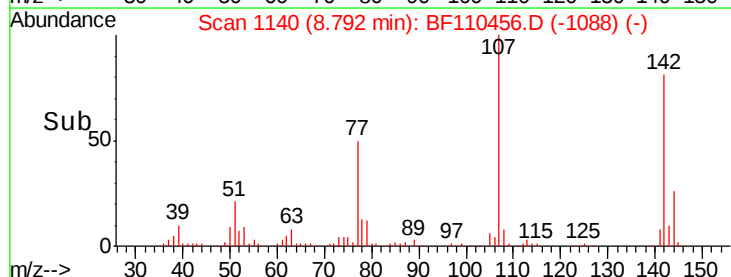
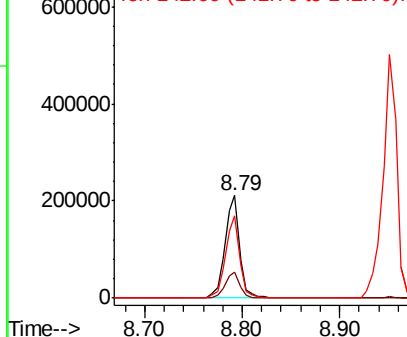


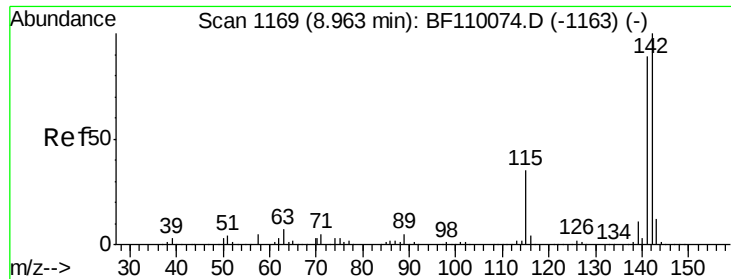
#36  
 4-Chloro-3-methylphenol  
 Concen: 41.943 ng  
 RT: 8.79 min Scan# 1140  
 Delta R.T. 0.01 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Tgt Ion:107 Resp: 218543  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 20.0 30.0  
 142 80.8 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

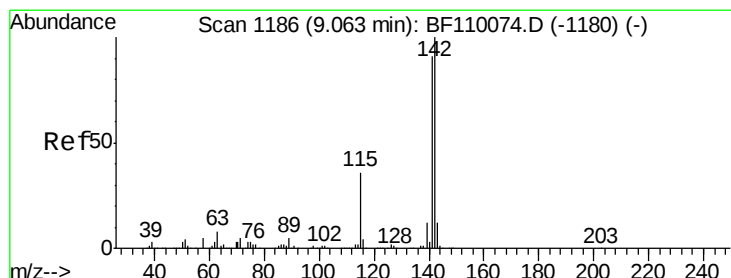
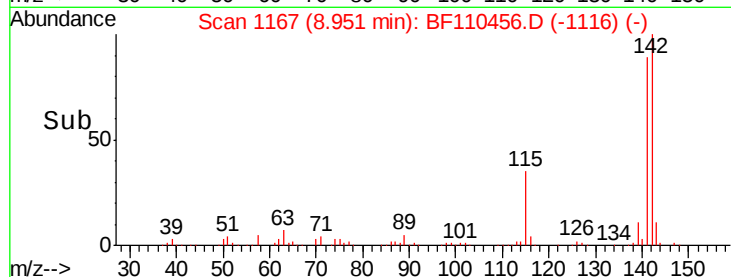
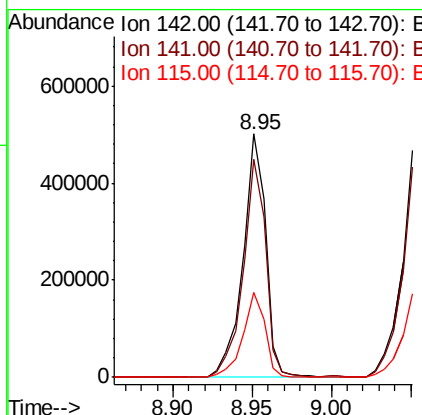
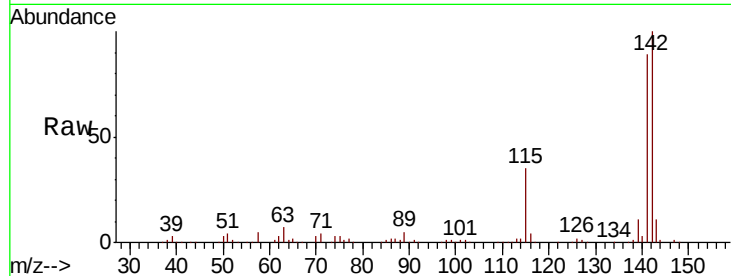




#37  
2-Methylnaphthalene  
Concen: 47.002 ng  
RT: 8.95 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

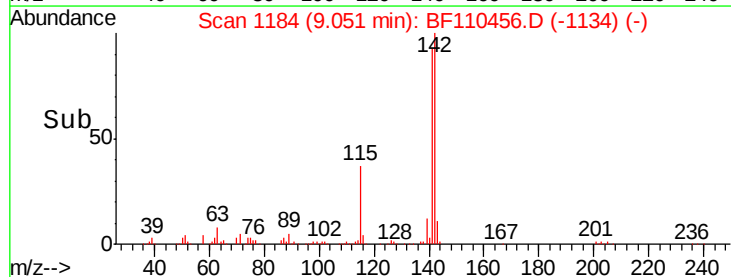
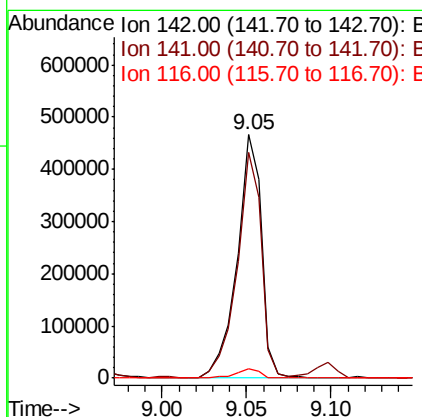
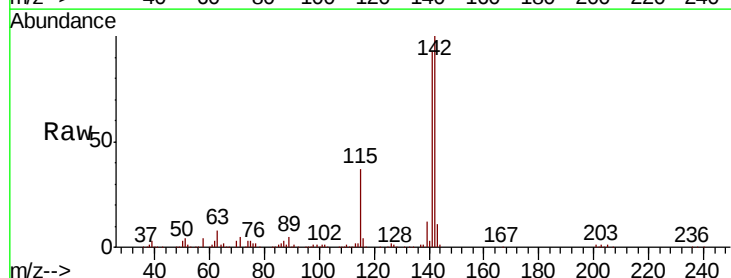
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 497773  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.4 107.2  
115 35.0 28.7 43.1



#38  
1-Methylnaphthalene  
Concen: 45.553 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:142 Resp: 466194  
Ion Ratio Lower Upper  
142 100  
141 92.9 74.2 111.4  
116 3.7 2.6 4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampled :

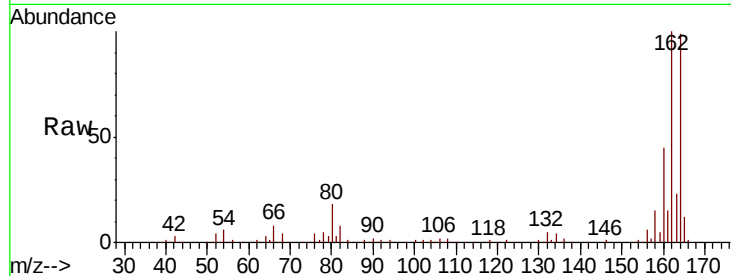
Tot Ion:164 Resp: 164438

Ion Ratio Lower Upper

164 100

162 101.1 83.0 124.6

160 45.3 37.0 55.6

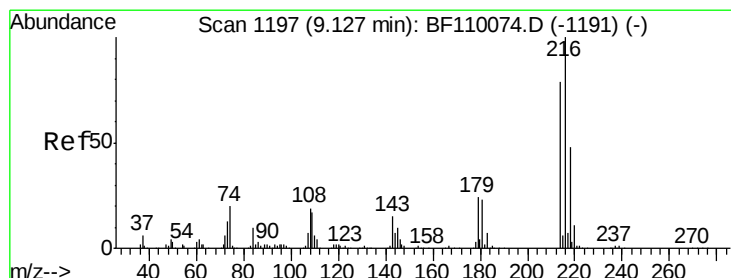
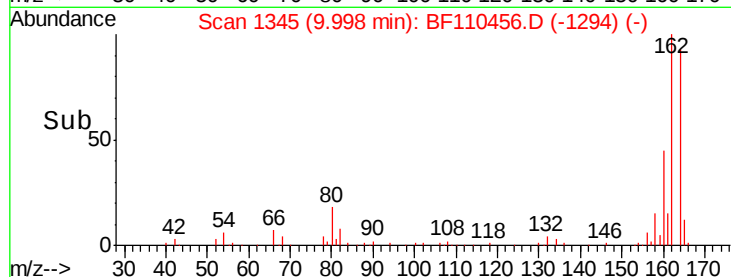
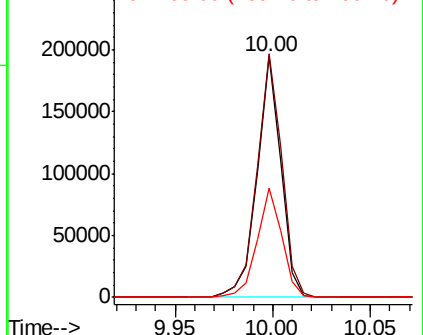


Abundance

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: 41.385 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Tgt Ion:216 Resp: 212040

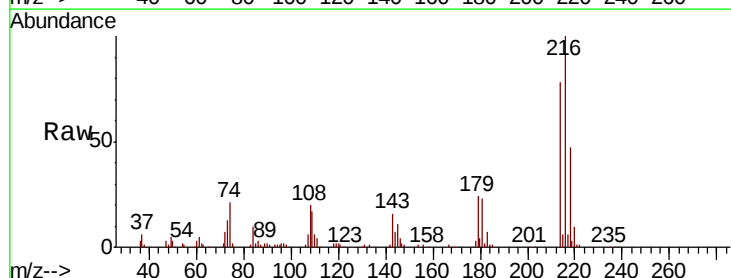
Ion Ratio Lower Upper

216 100

214 77.3 63.8 95.6

179 22.8 16.6 25.0

108 21.3 15.1 22.7



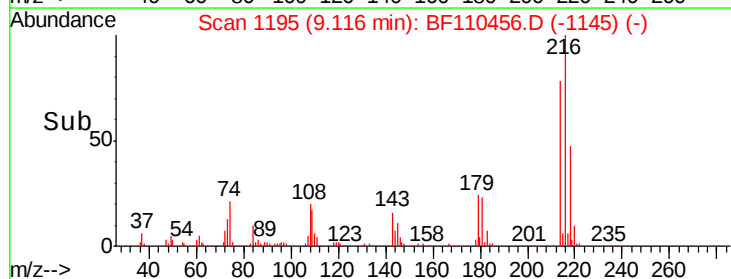
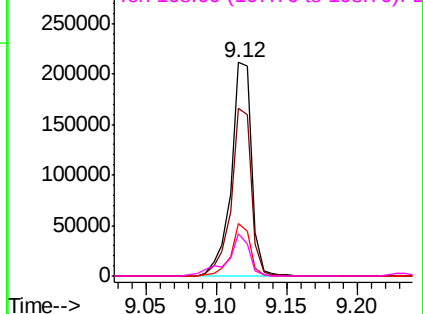
Abundance

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: 73.157 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

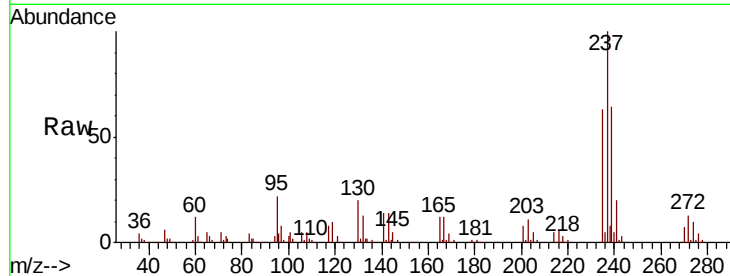
Tot Ion:237 Resp: 191660

Ion Ratio Lower Upper

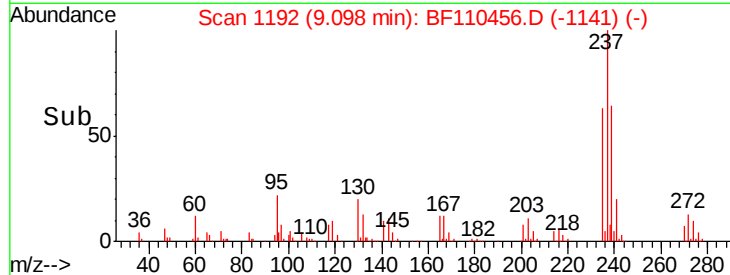
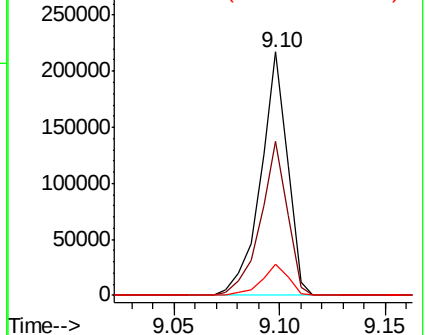
237 100

235 63.1 43.1 83.1

272 12.8 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: 146.739 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

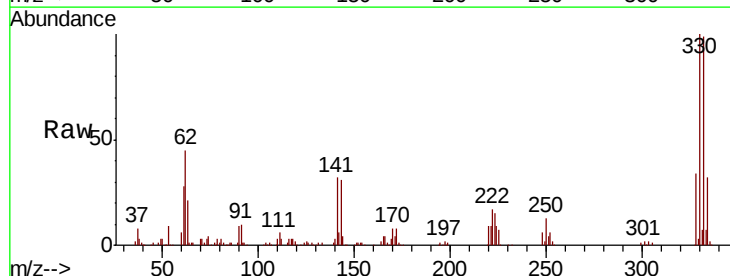
Tgt Ion:330 Resp: 239019

Ion Ratio Lower Upper

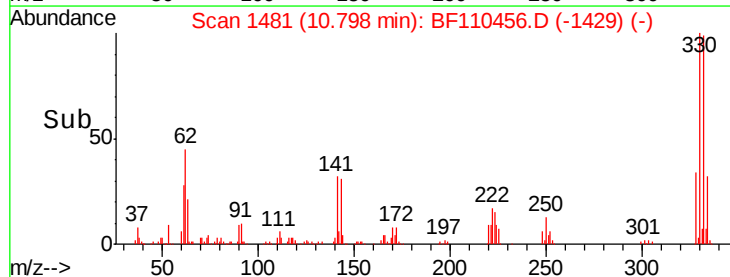
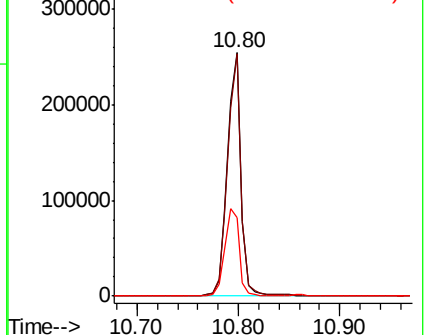
330 100

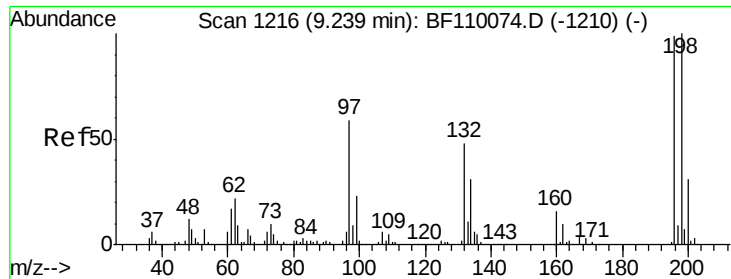
332 98.5 77.1 115.7

141 38.1 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

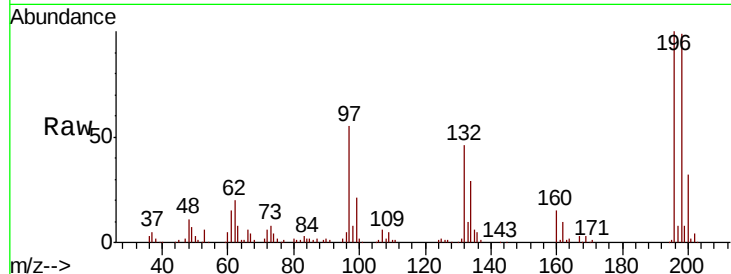




#43  
 2,4,6-Trichlorophenol  
 Concen: 41.878 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 196   | Resp  | 138391 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 98.8  | 76.2  | 114.4  |
| 200       | 32.2  | 24.4  | 36.6   |

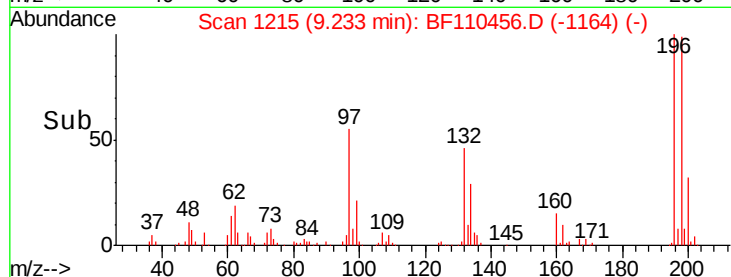
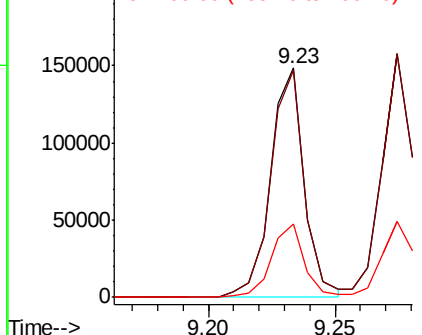


Abundance

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: 42.707 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

| Tgt Ion   | 196   | Resp  | 149182 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 100.0 | 75.8  | 113.6  |
| 97        | 54.4  | 42.4  | 63.6   |
| 132       | 30.3  | 22.8  | 34.2   |

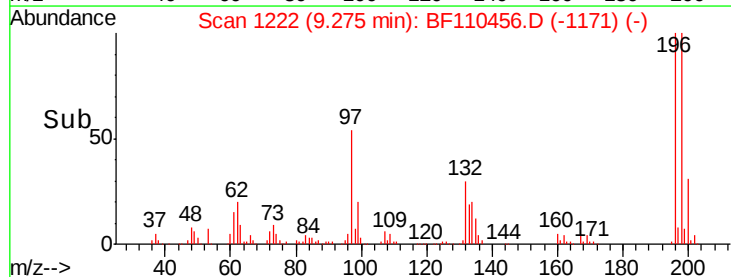
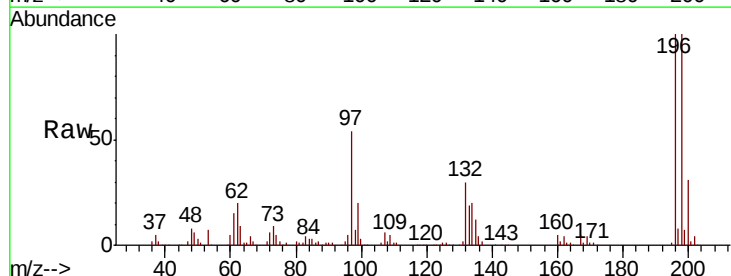
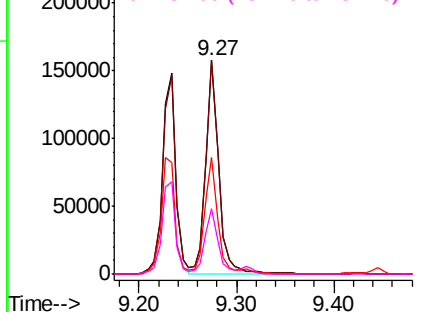
Abundance

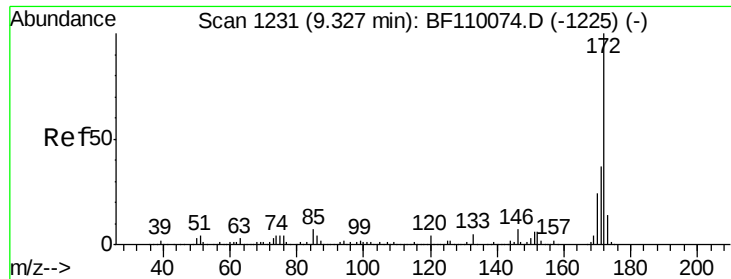
Ion 196.00 (195.70 to 196.70): E

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

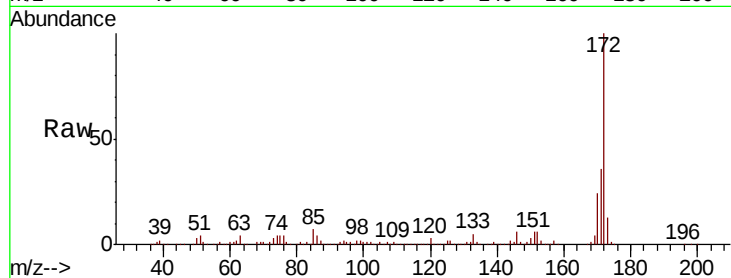




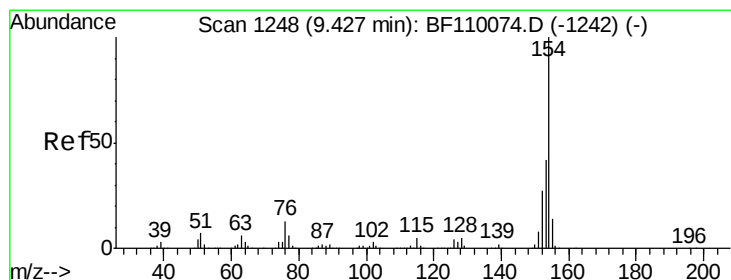
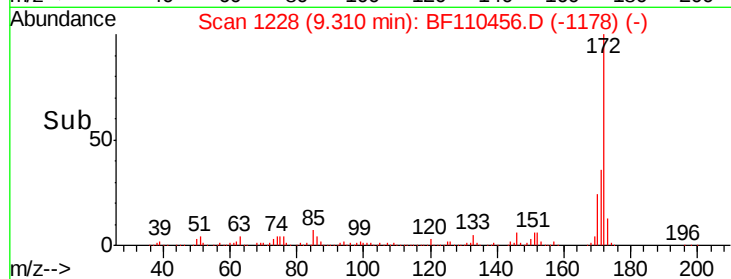
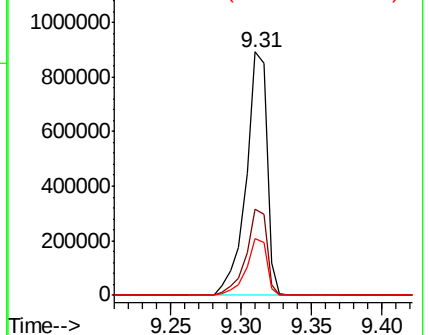
#45  
 2-Fluorobiphenyl  
 Concen: 88.407 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:172 Resp: 925805  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.6 43.0  
 170 23.6 19.7 29.5

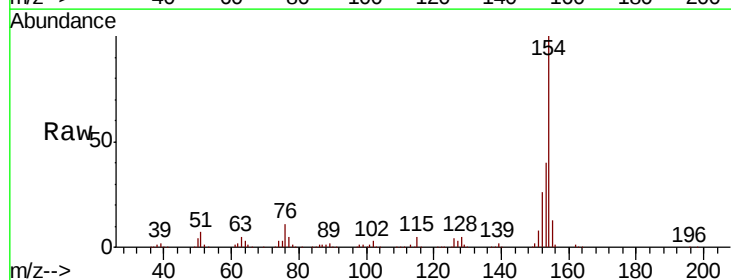


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

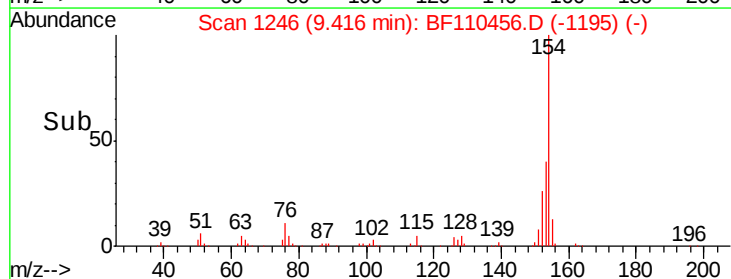
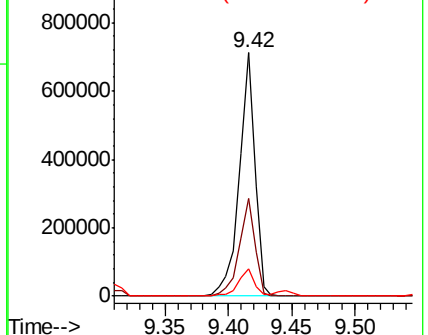


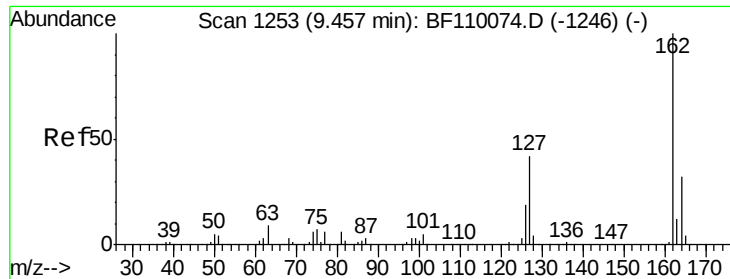
#46  
 1,1'-Biphenyl  
 Concen: 40.498 ng  
 RT: 9.42 min Scan# 1246  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Tgt Ion:154 Resp: 602213  
 Ion Ratio Lower Upper  
 154 100  
 153 39.9 20.4 60.4  
 76 11.1 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

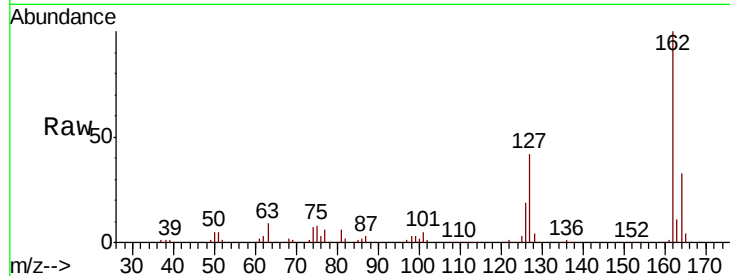




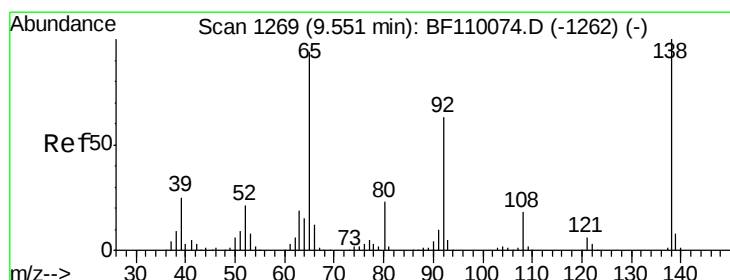
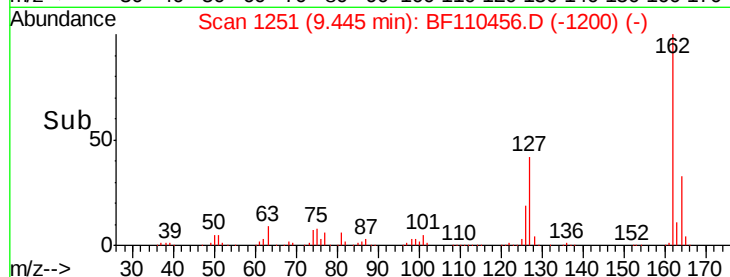
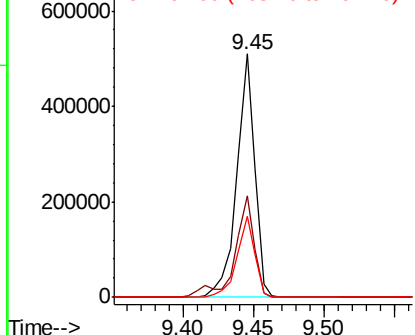
#47  
 2-Chloronaphthalene  
 Concen: 41.450 ng  
 RT: 9.45 min Scan# 1251  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 452118  
 Ion Ratio Lower Upper  
 162 100  
 127 41.6 32.6 48.8  
 164 33.2 25.9 38.9

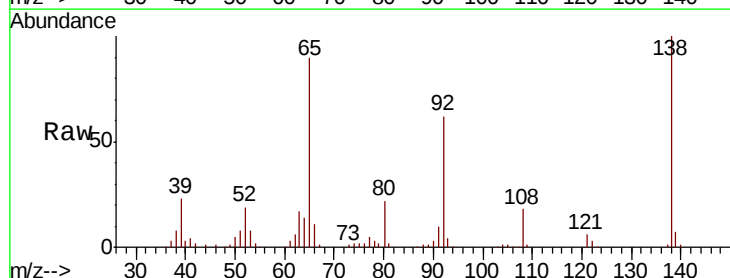


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

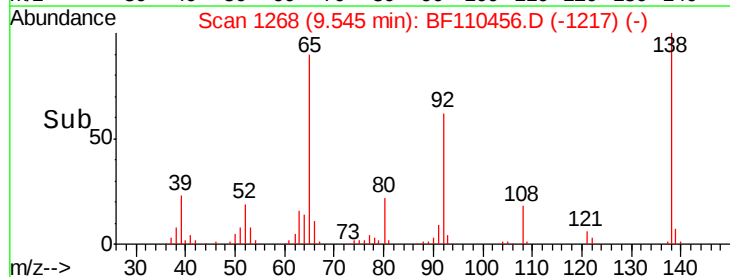
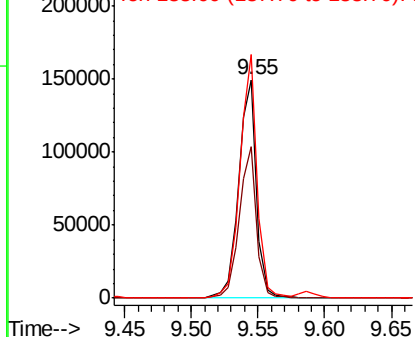


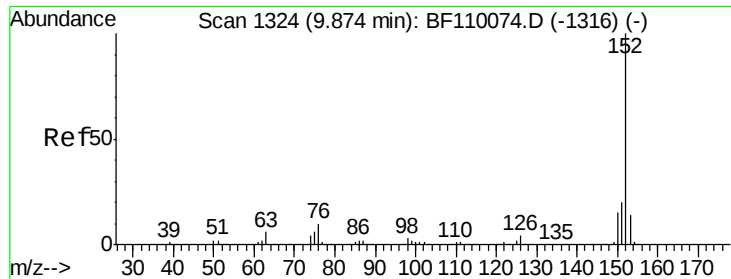
#48  
 2-Nitroaniline  
 Concen: 42.224 ng  
 RT: 9.55 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Tgt Ion: 65 Resp: 139567  
 Ion Ratio Lower Upper  
 65 100  
 92 69.4 54.6 81.8  
 138 111.4 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: 44.728 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

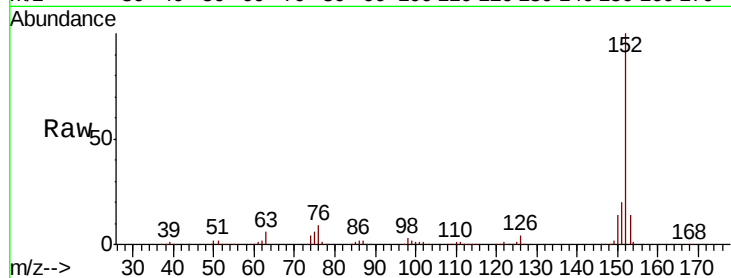
Tot Ion:152 Resp: 704666

Ion Ratio Lower Upper

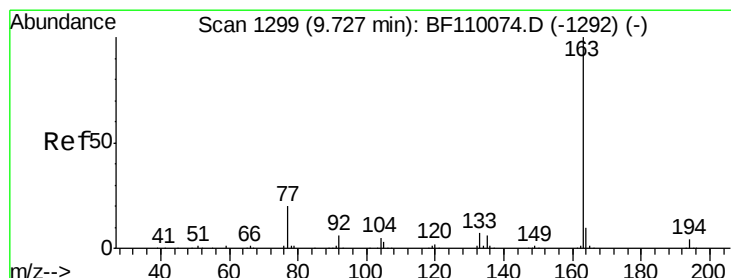
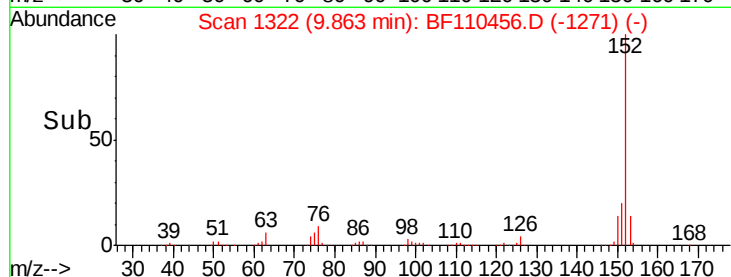
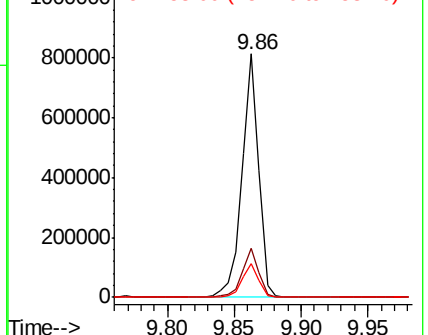
152 100

151 20.2 15.8 23.8

153 13.8 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: 42.741 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

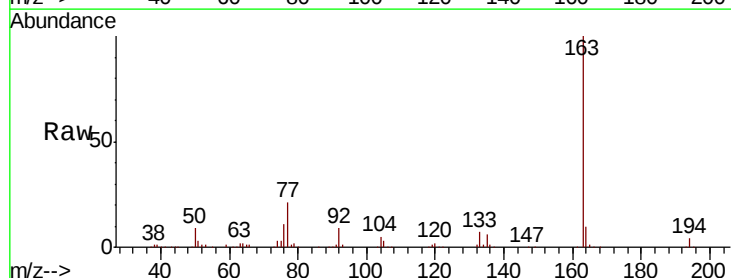
Tgt Ion:163 Resp: 518812

Ion Ratio Lower Upper

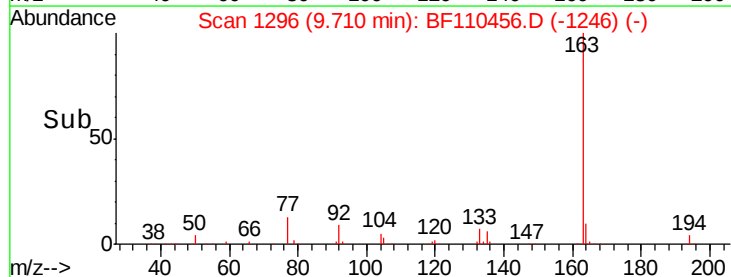
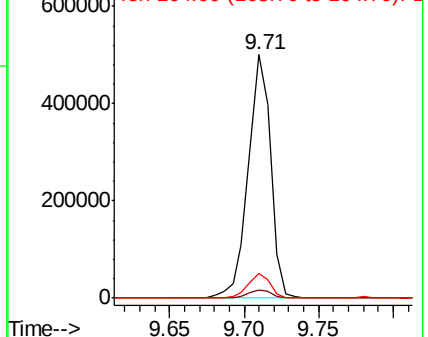
163 100

194 3.5 3.2 4.8

164 10.1 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: 43.918 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

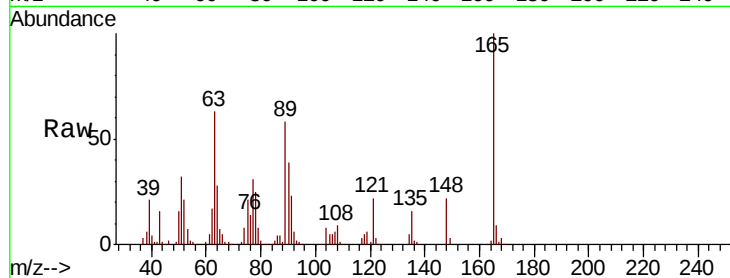
Tot Ion:165 Resp: 114832

Ion Ratio Lower Upper

165 100

63 63.1 48.9 73.3

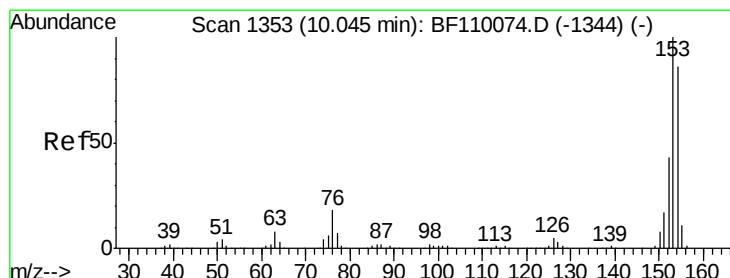
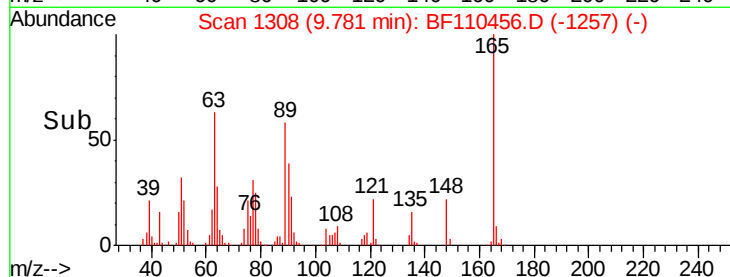
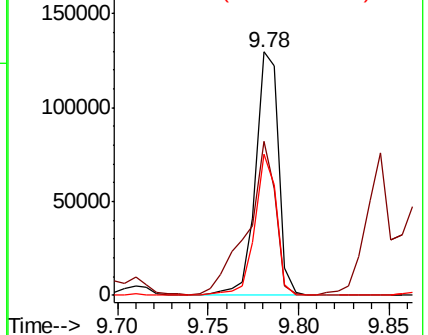
89 57.8 46.6 69.8



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: 40.439 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

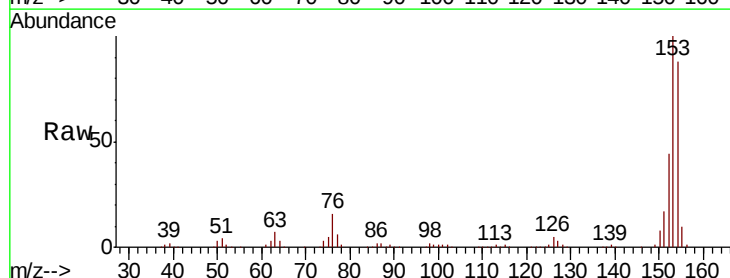
Tgt Ion:154 Resp: 421468

Ion Ratio Lower Upper

154 100

153 114.1 90.1 135.1

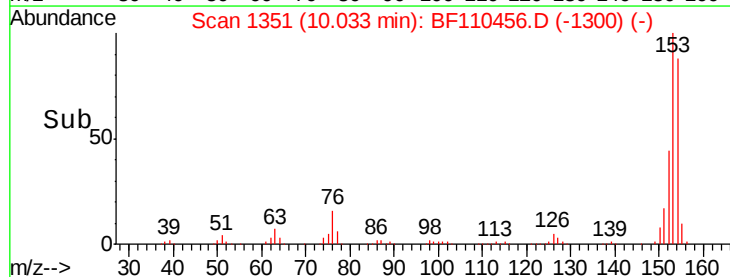
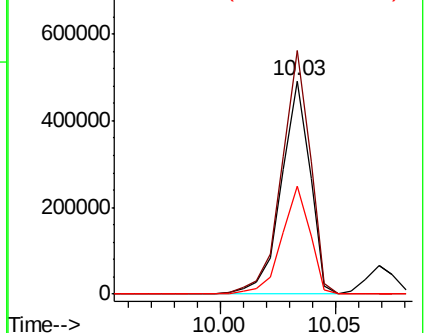
152 50.5 43.4 65.2

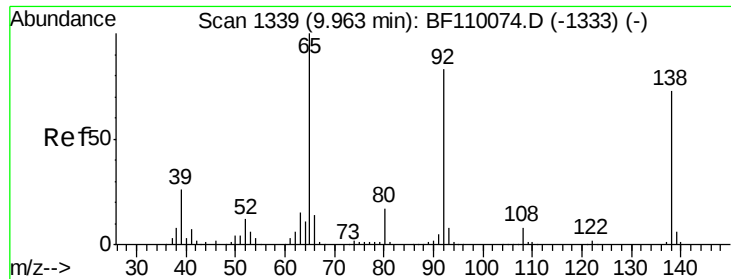


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

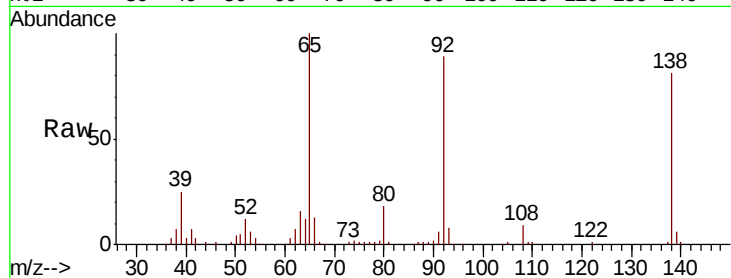




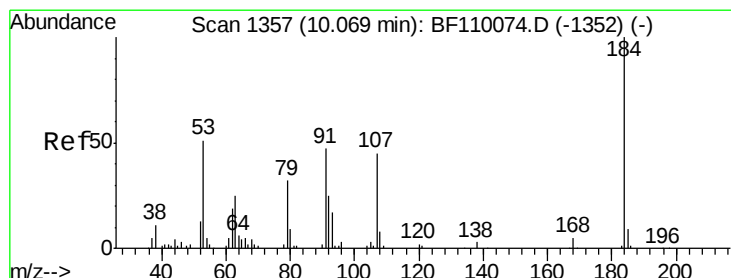
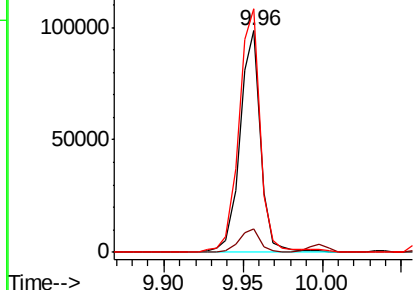
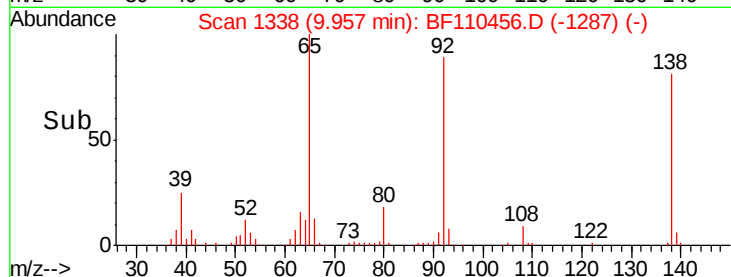
#53  
3-Nitroaniline  
Concen: 28.578 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 88859  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.7 13.1  
92 110.0 97.0 145.4

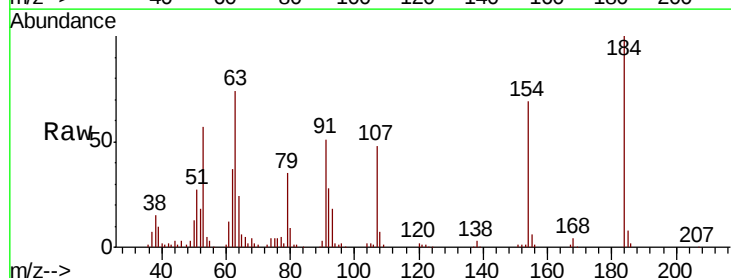


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

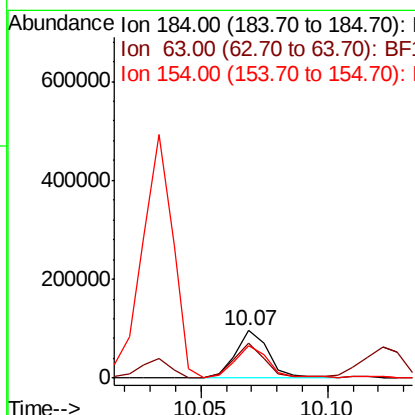
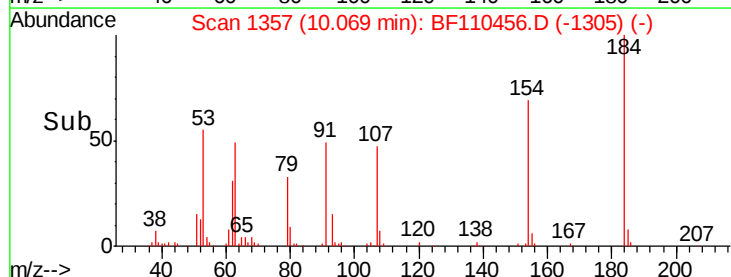


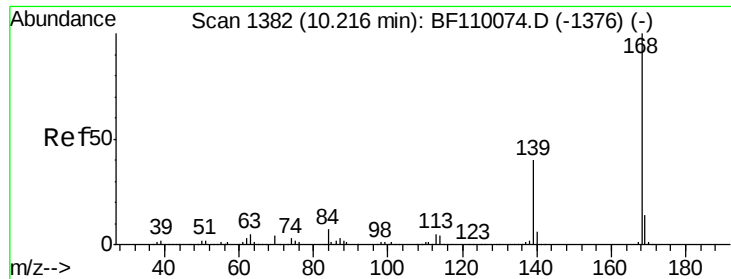
#54  
2,4-Dinitrophenol  
Concen: 84.007 ng  
RT: 10.07 min Scan# 1357  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:184 Resp: 87462  
Ion Ratio Lower Upper  
184 100  
63 73.7 55.8 83.6  
154 69.0 63.2 94.8



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

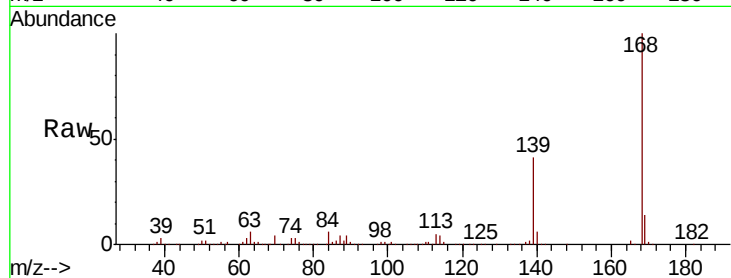




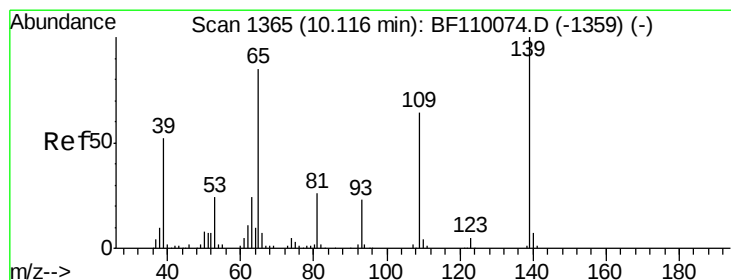
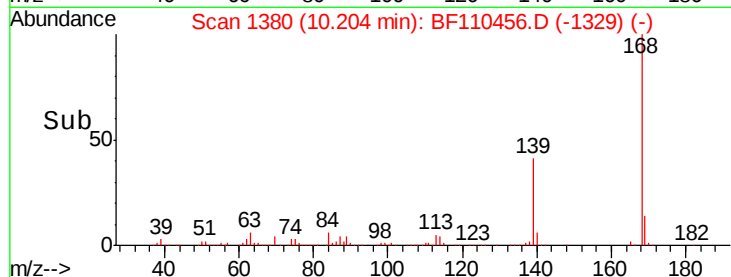
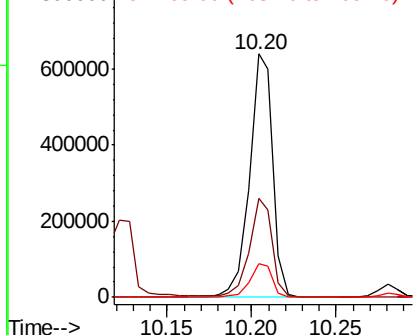
#55  
Dibenzofuran  
Concen: 42.127 ng  
RT: 10.20 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 614724  
Ion Ratio Lower Upper  
168 100  
139 40.8 33.0 49.6  
169 13.9 11.3 16.9

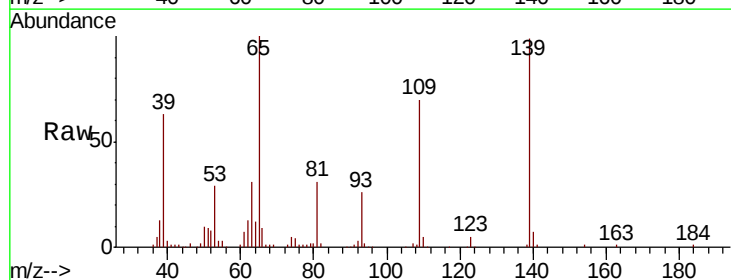


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

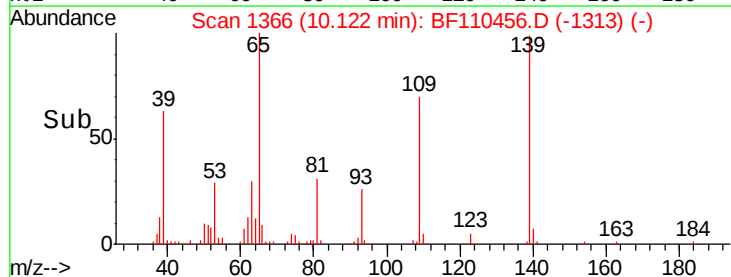
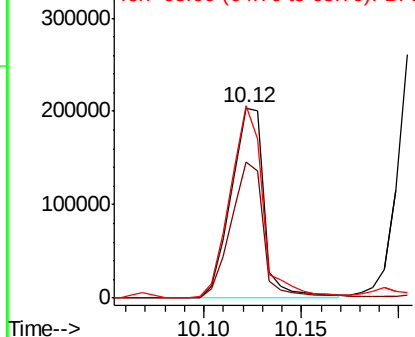


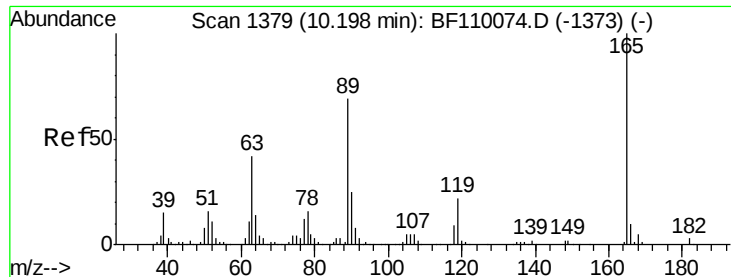
#56  
4-Nitrophenol  
Concen: 104.304 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:139 Resp: 240032  
Ion Ratio Lower Upper  
139 100  
109 71.2 55.8 95.8  
65 101.3 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: 45.312 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 150486

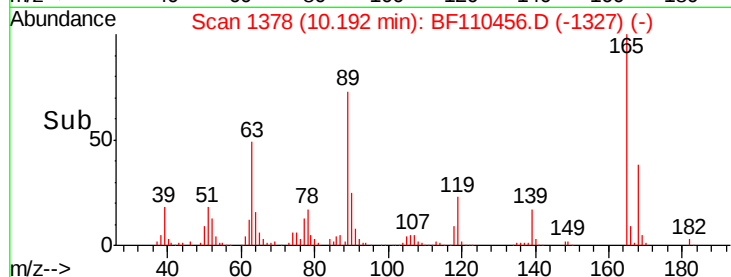
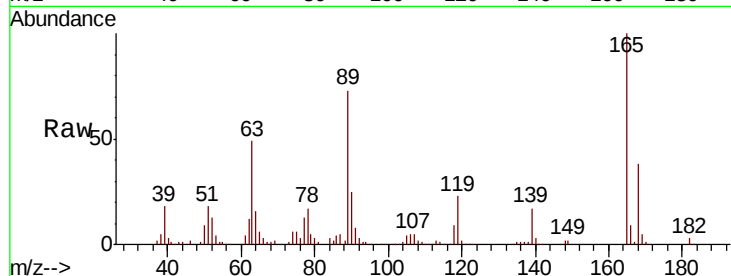
Ion Ratio Lower Upper

165 100

63 48.6 44.8 67.2

89 73.2 62.2 93.4

182 2.7 2.1 3.1

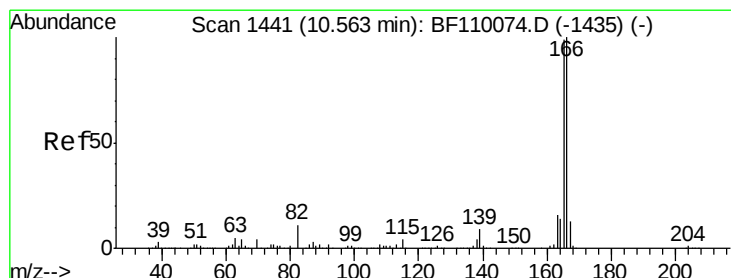
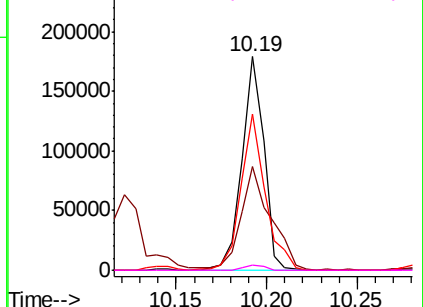


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.488 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

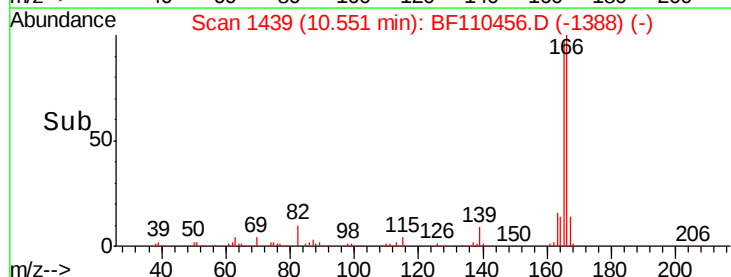
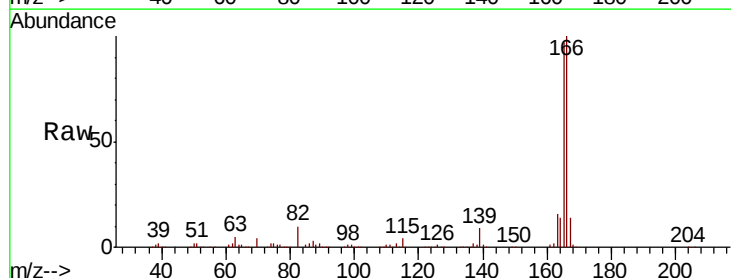
Tgt Ion:166 Resp: 494002

Ion Ratio Lower Upper

166 100

165 96.6 78.6 117.8

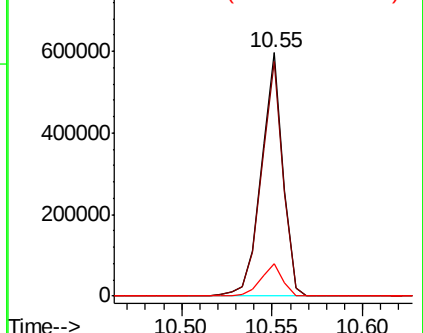
167 13.5 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

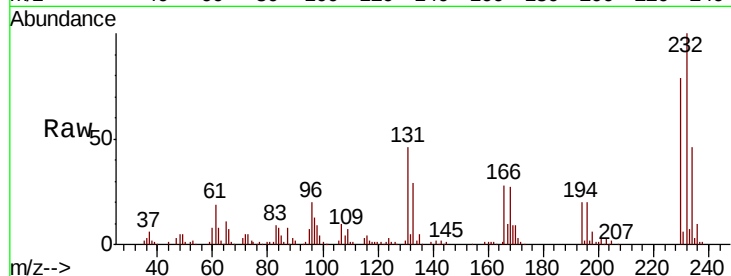




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.560 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. -0.04 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.3  | 37.0  | 55.4  |
| 130     | 2.4   | 1.8   | 2.6   |
| 166     | 27.4  | 22.0  | 33.0  |



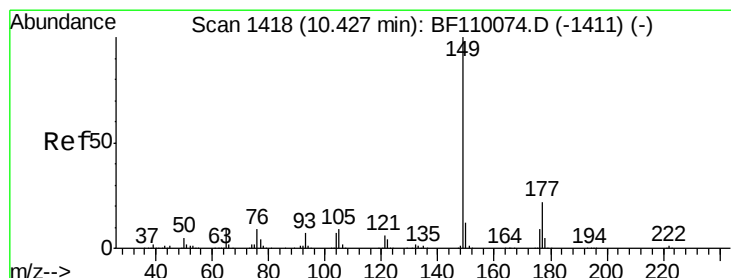
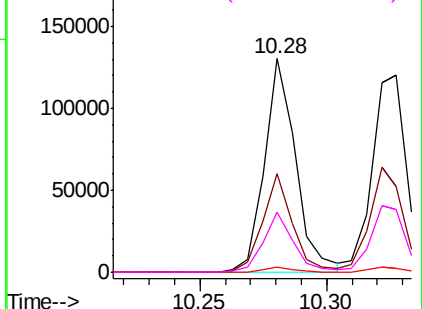
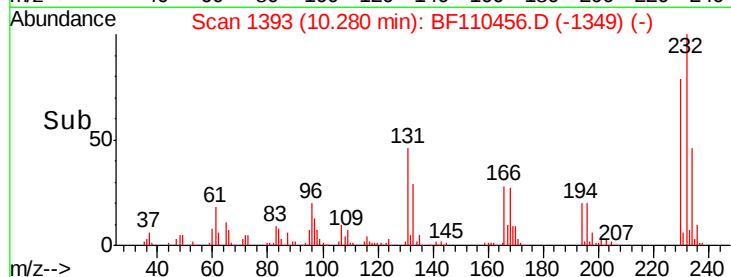
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

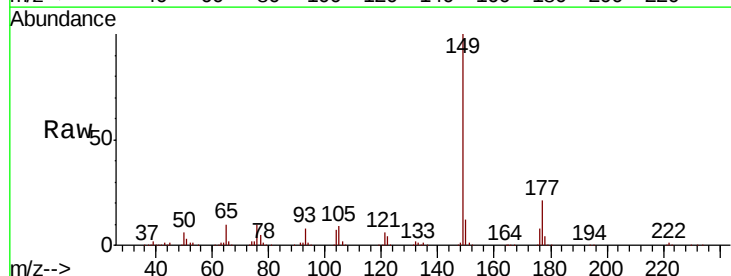
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 42.709 ng  
 RT: 10.41 min Scan# 1415  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.4  | 17.4  | 26.2  |
| 150     | 12.4  | 9.8   | 14.8  |

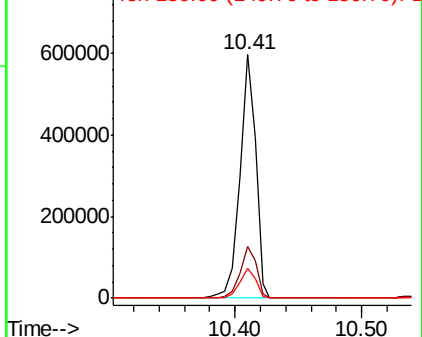
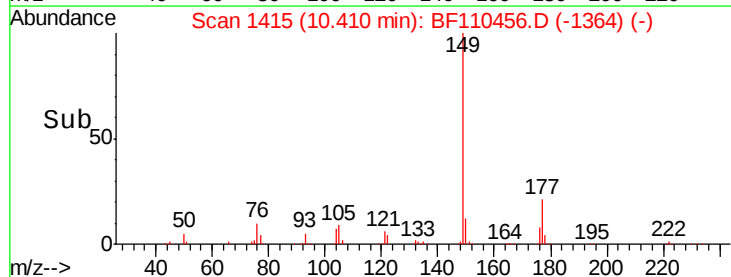


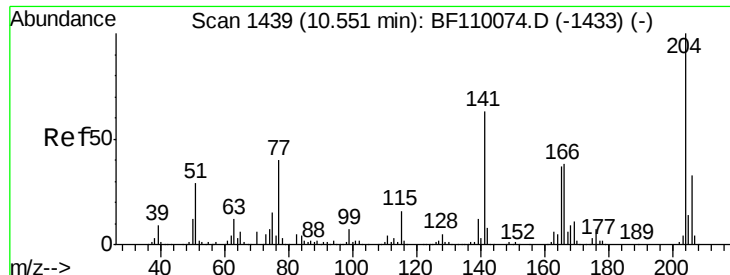
Abundance

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

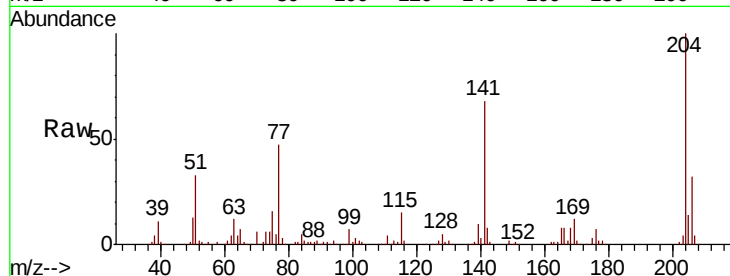




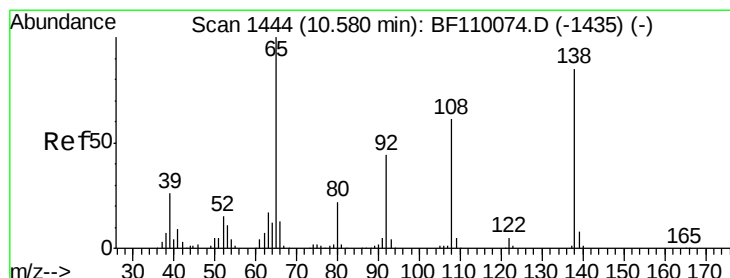
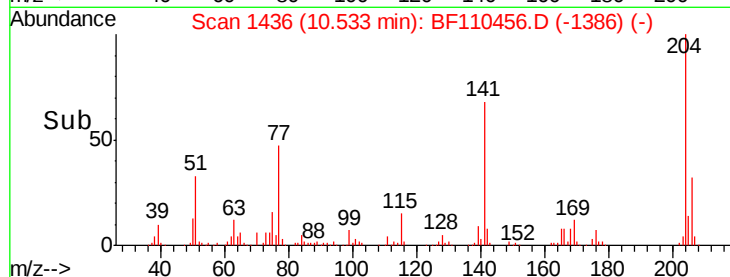
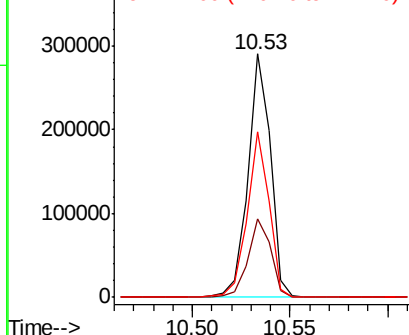
#61  
4-Chlorophenyl-phenylether  
Concen: 40.434 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 231647  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.5 39.7  
141 68.2 51.8 77.8

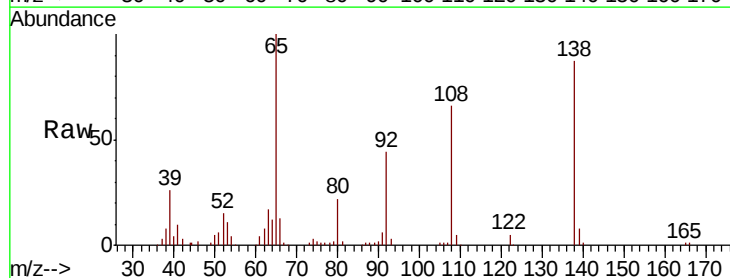


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

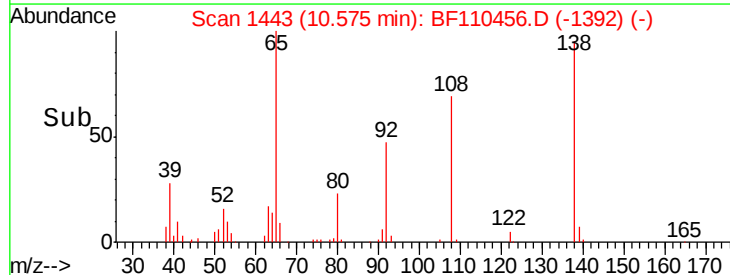
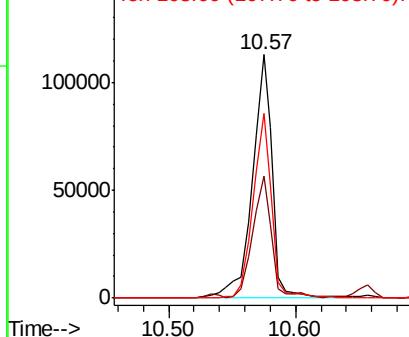


#62  
4-Nitroaniline  
Concen: 40.167 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:138 Resp: 124217  
Ion Ratio Lower Upper  
138 100  
92 50.0 31.7 71.7  
108 76.0 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

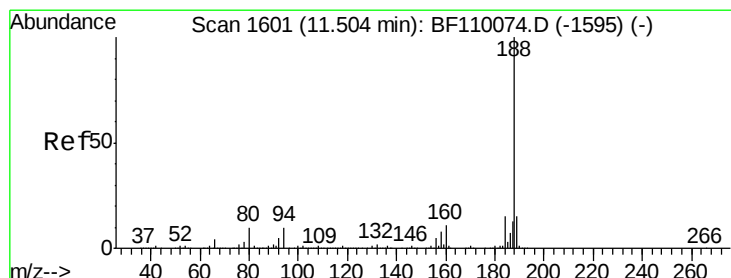
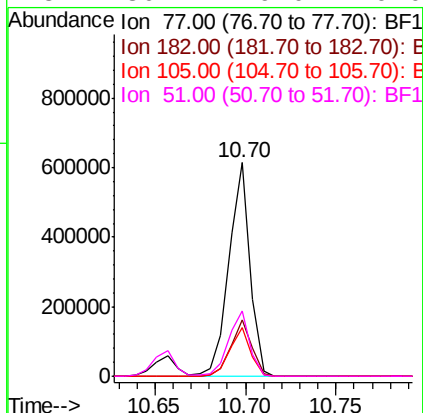
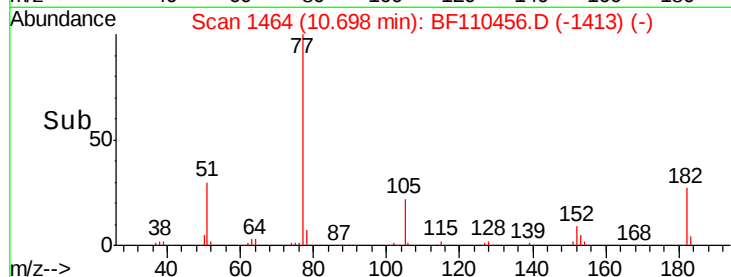
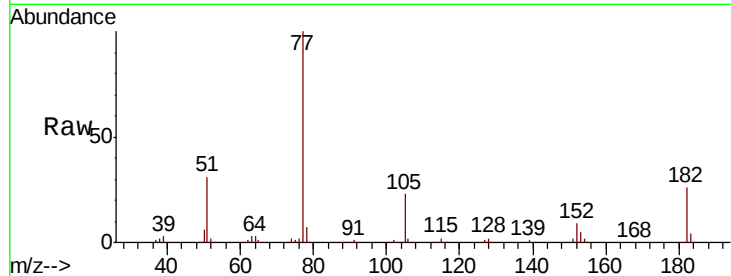




#63  
Azobenzene  
Concen: 42.310 ng  
RT: 10.70 min Scan# 1464  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

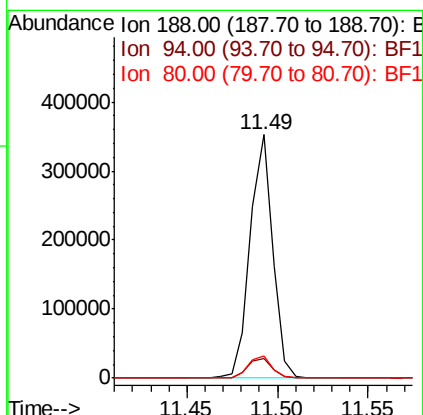
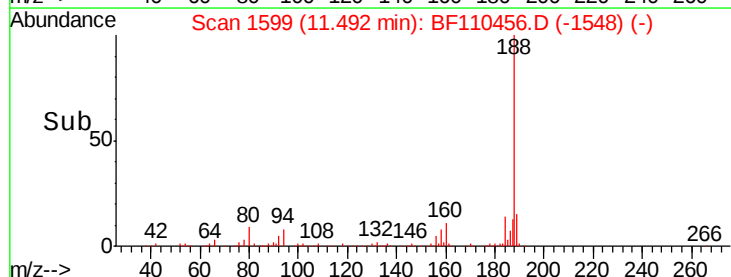
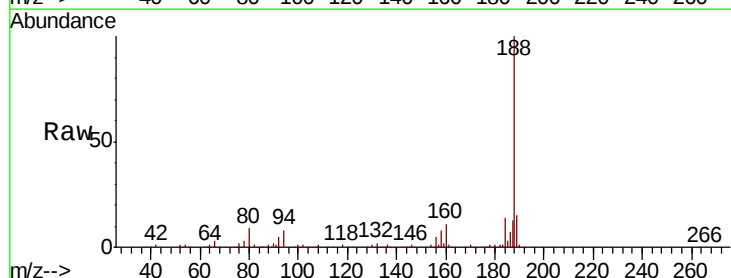
Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 497629 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 26.4  | 4.3   | 44.3   |
| 105      | 22.8  | 1.3   | 41.3   |
| 51       | 30.7  | 9.0   | 49.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 307051 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.0   | 7.2   | 10.8   |
| 80       | 9.0   | 7.9   | 11.9   |





#65

4,6-Dinitro-2-methylphenol

Concen: 42.149 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

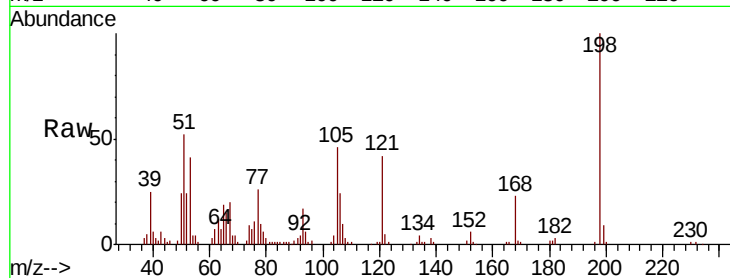
Tot Ion:198 Resp: 59128

Ion Ratio Lower Upper

198 100

51 52.5 22.8 62.8

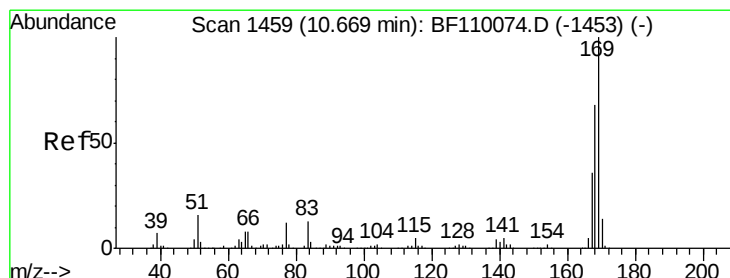
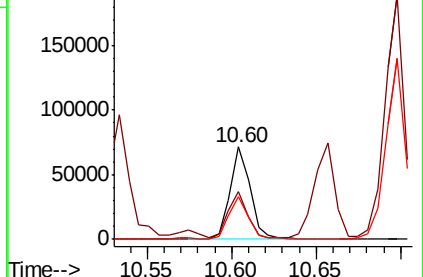
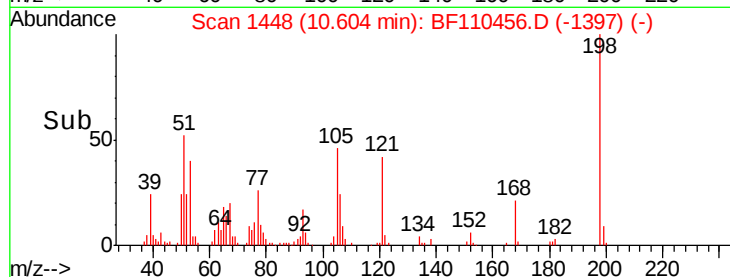
105 45.8 23.6 63.6



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: 42.444 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

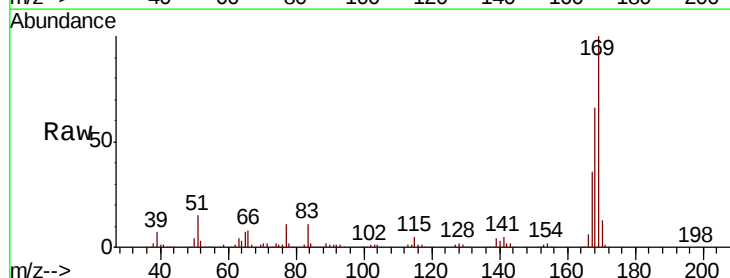
Tgt Ion:169 Resp: 427461

Ion Ratio Lower Upper

169 100

168 66.3 51.2 76.8

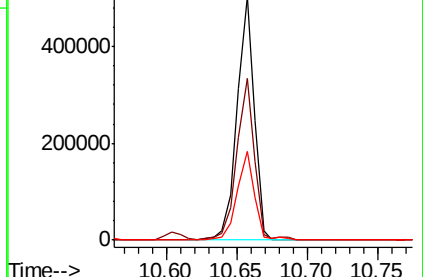
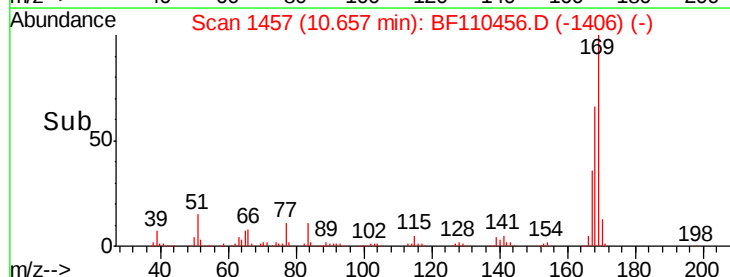
167 36.3 27.8 41.6



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

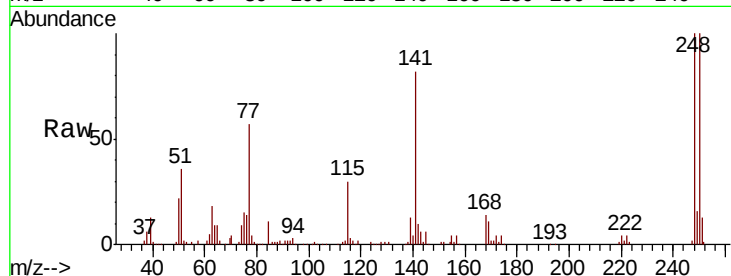




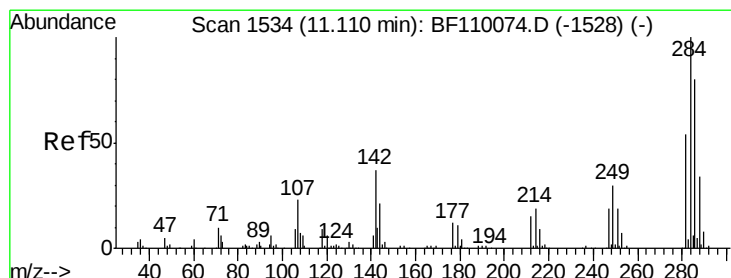
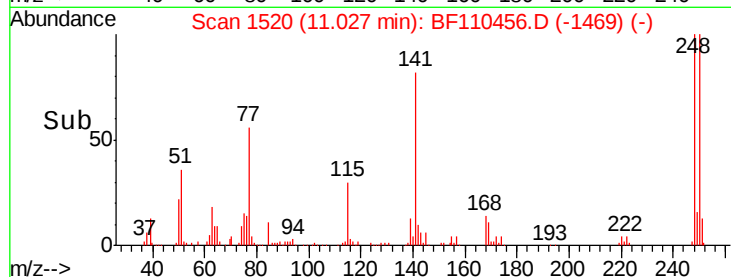
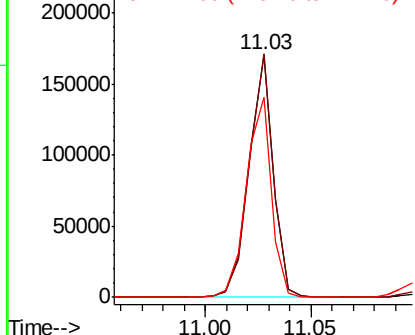
#67  
4-Bromophenyl-phenylether  
Concen: 40.974 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 136469  
Ion Ratio Lower Upper  
248 100  
250 100.3 79.4 119.2  
141 82.6 55.9 83.9

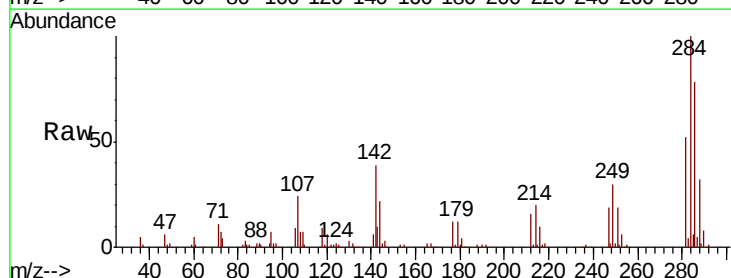


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

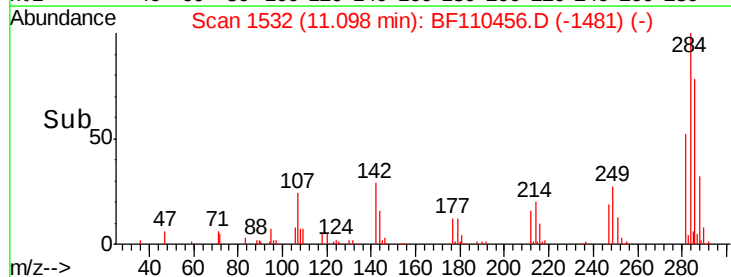
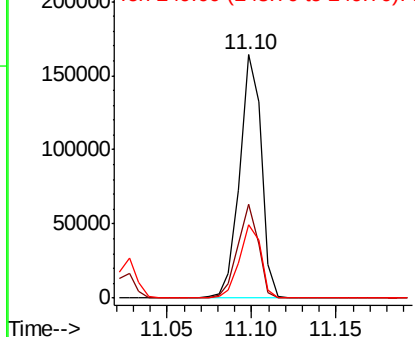


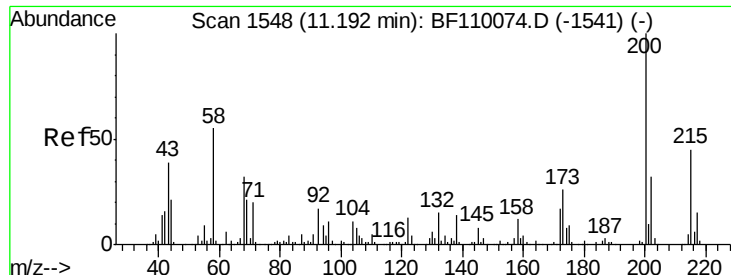
#68  
Hexachlorobenzene  
Concen: 41.594 ng  
RT: 11.10 min Scan# 1532  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:284 Resp: 146989  
Ion Ratio Lower Upper  
284 100  
142 38.7 23.9 35.9#  
249 30.3 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

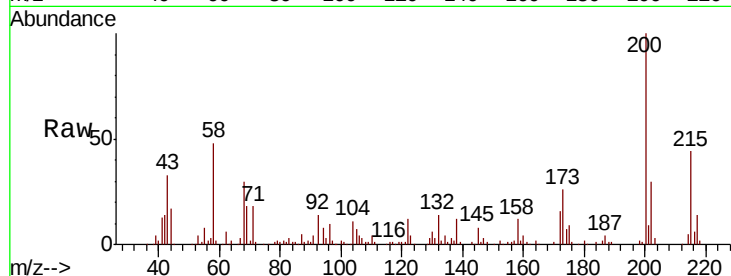




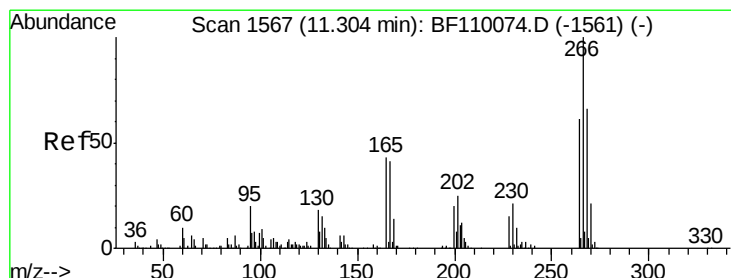
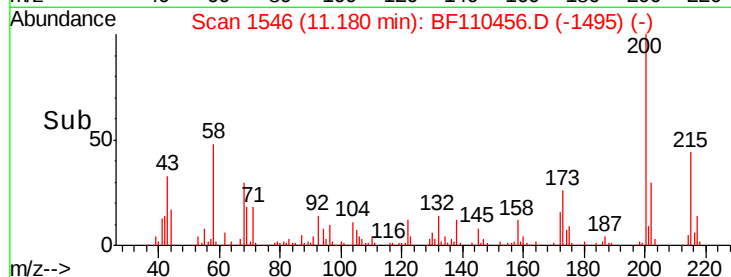
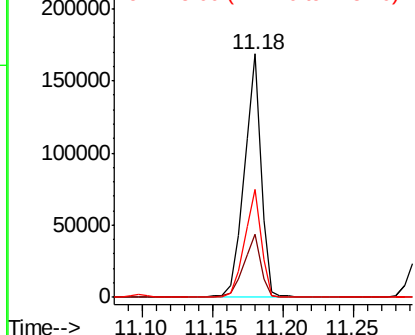
#69  
 Atrazine  
 Concen: 43.689 ng  
 RT: 11.18 min Scan# 1546  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.7  | 6.6   | 46.6  |
| 215     | 44.2  | 26.3  | 66.3  |

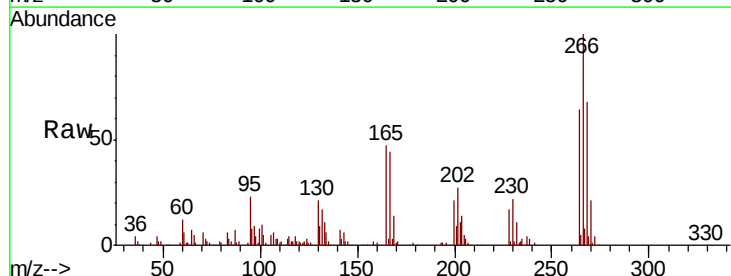


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

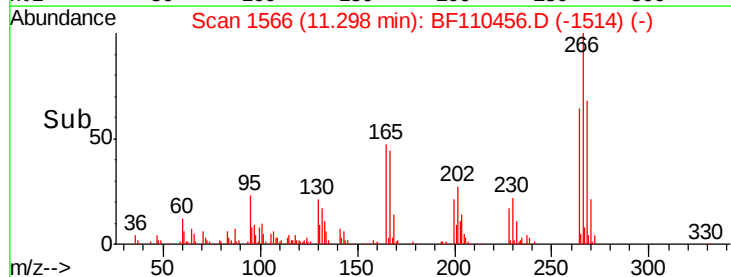
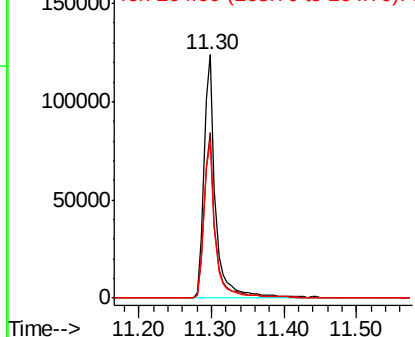


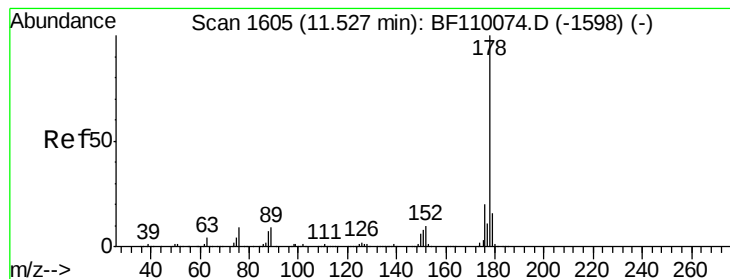
#70  
 Pentachlorophenol  
 Concen: 67.412 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. 0.01 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 68.2  | 50.6  | 75.8  |
| 264     | 64.3  | 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: 44.478 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

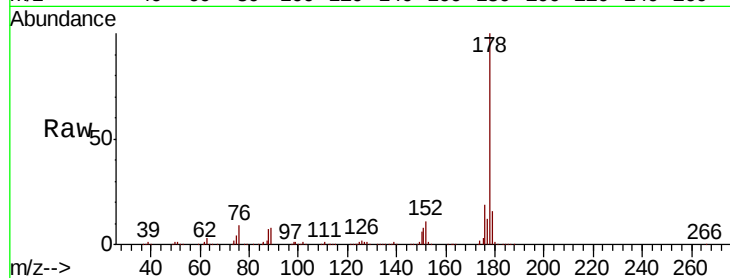
Tot Ion:178 Resp: 714593

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

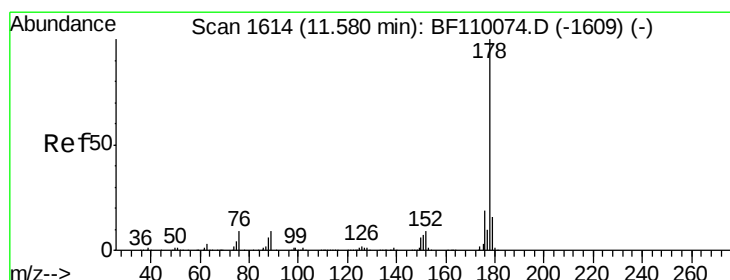
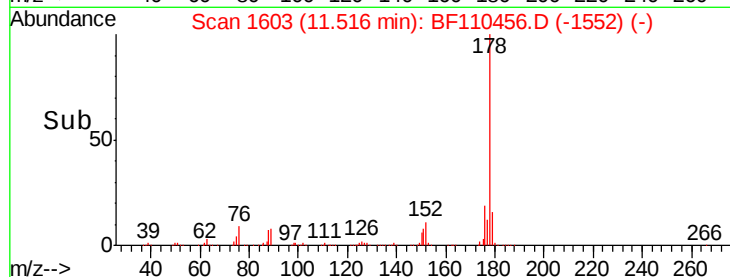
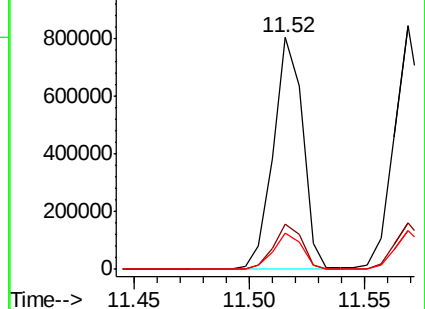
179 15.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.181 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

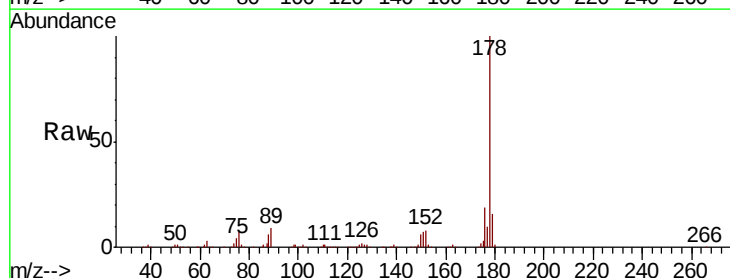
Tgt Ion:178 Resp: 743690

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

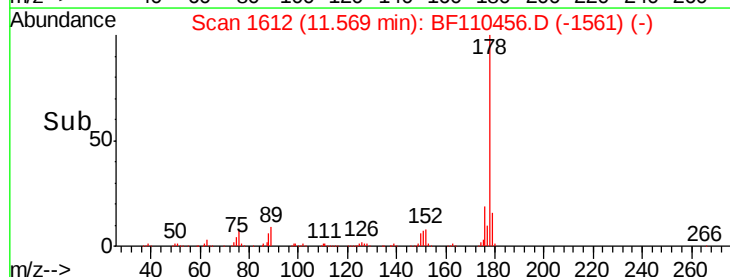
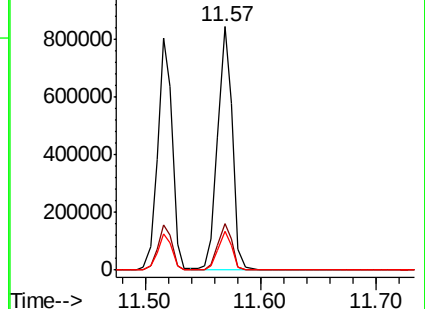
179 15.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 40.968 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

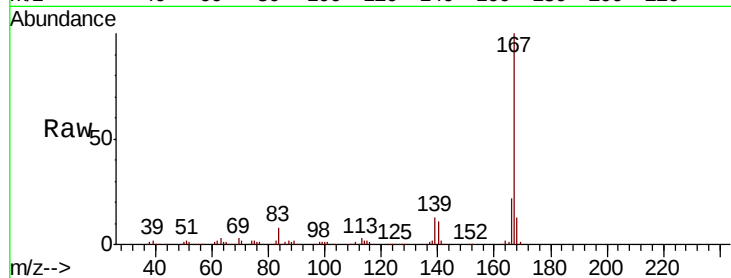
Tot Ion:167 Resp: 644169

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

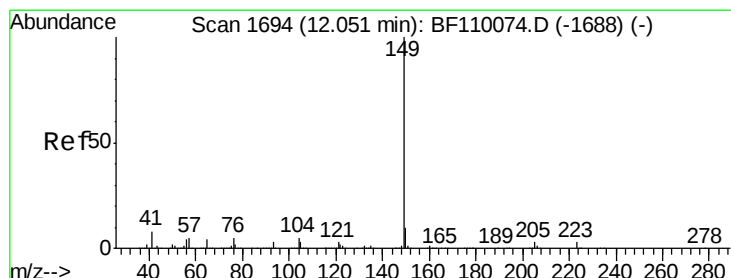
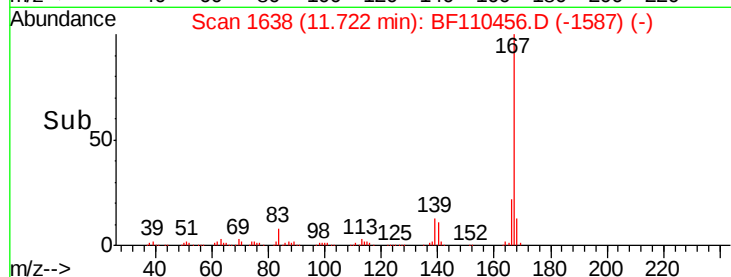
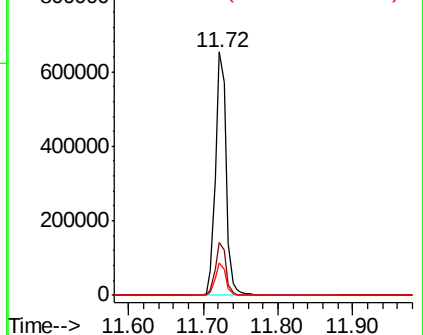
139 13.3 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 44.192 ng

RT: 12.03 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

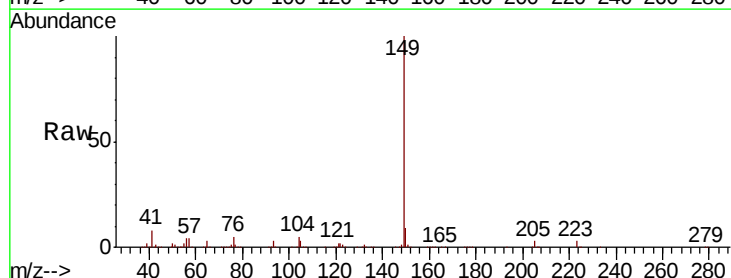
Tgt Ion:149 Resp: 784787

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

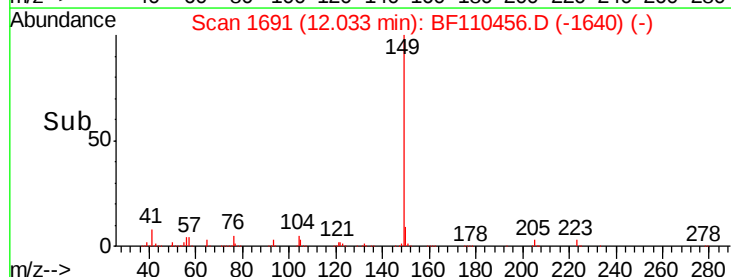
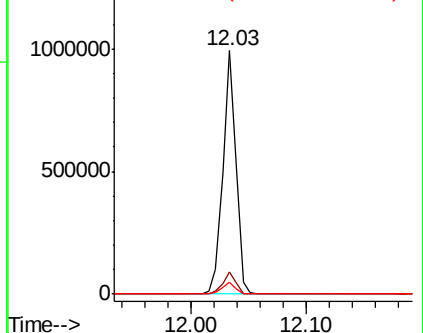
104 5.1 4.2 6.4

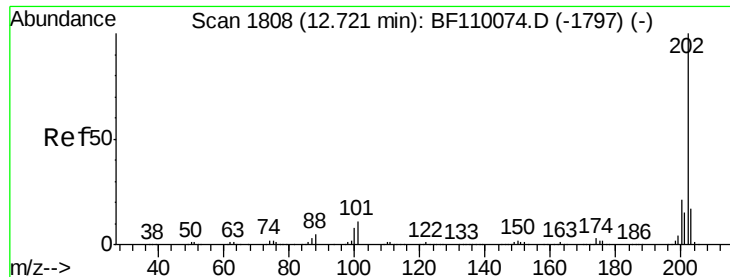


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

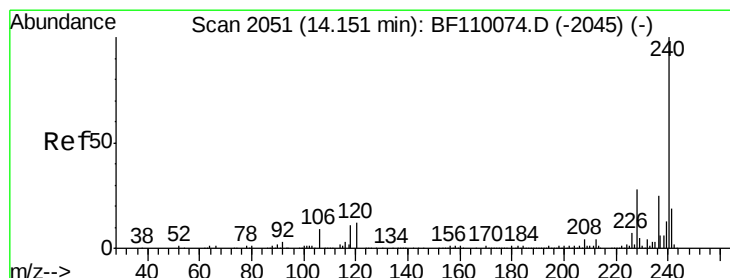
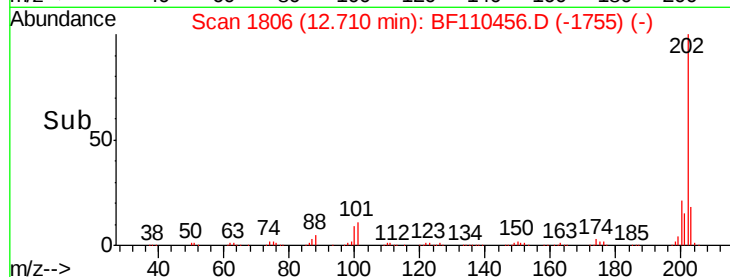
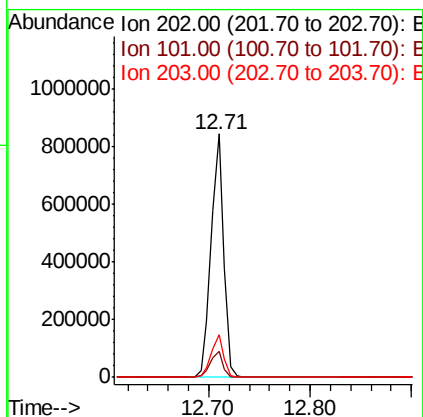
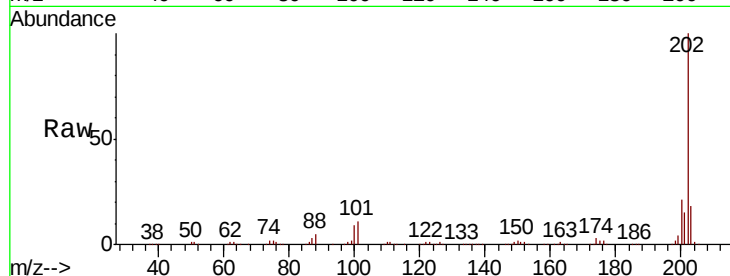




#75  
 Fluoranthene  
 Concen: 44.924 ng  
 RT: 12.71 min Scan# 1806  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

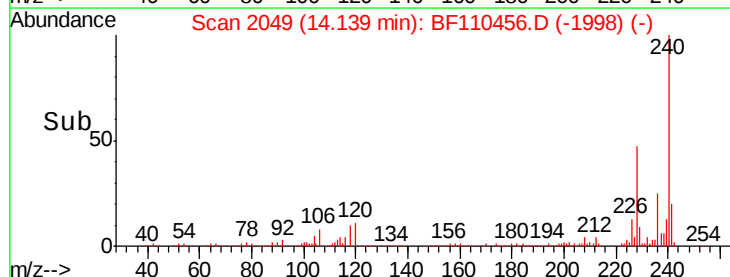
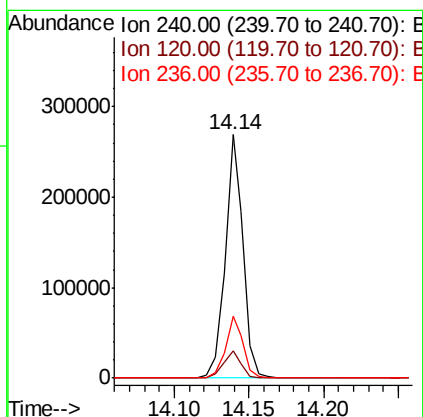
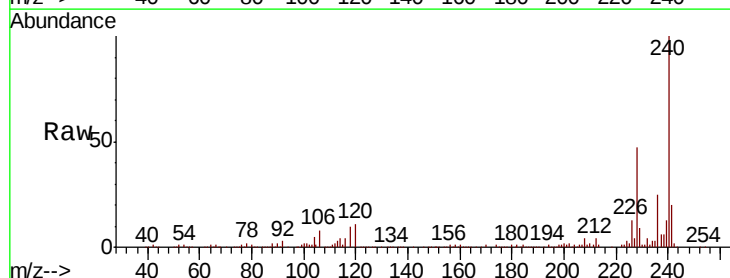
Instrument :  
 BNA\_F  
 ClientSampleId :

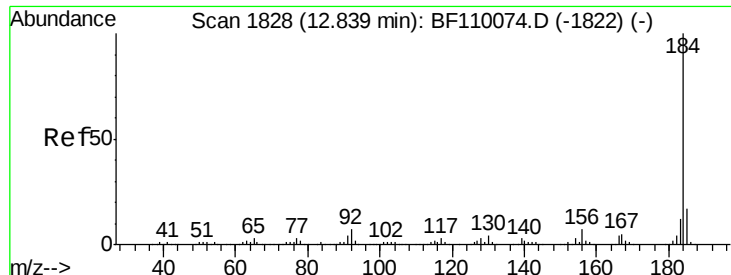
Tot Ion:202 Resp: 732510  
 Ion Ratio Lower Upper  
 202 100  
 101 10.9 0.0 31.4  
 203 17.5 0.0 37.7



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: BF110456.D  
 Acq: 5 Nov 2018 11:11

Tgt Ion:240 Resp: 225246  
 Ion Ratio Lower Upper  
 240 100  
 120 11.4 8.3 12.5  
 236 25.4 21.2 31.8





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

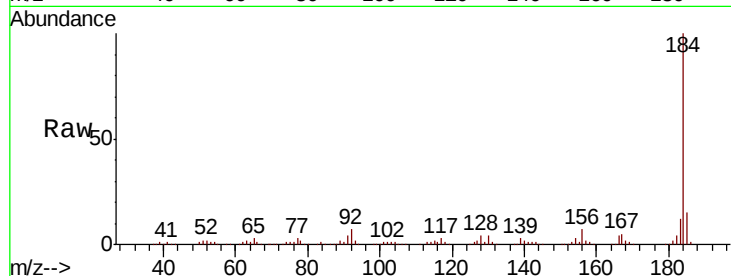
Tot Ion:184 Resp: 391401

Ion Ratio Lower Upper

184 100

185 15.1 13.4 20.2

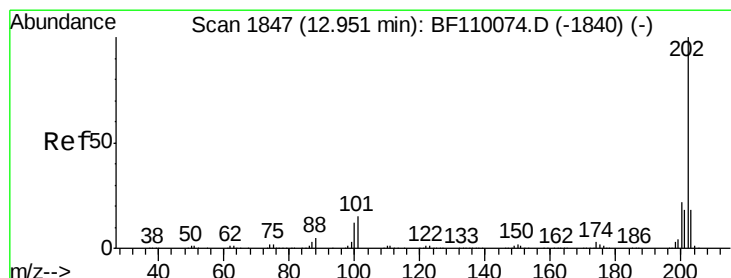
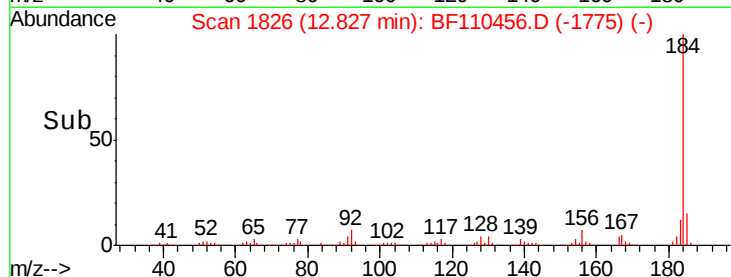
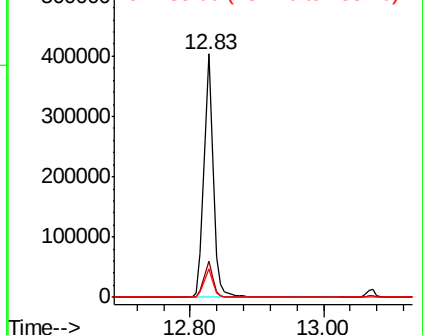
183 11.7 9.4 14.2



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: 44.858 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

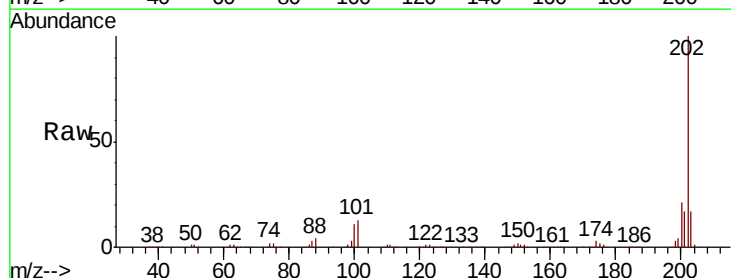
Tgt Ion:202 Resp: 724376

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

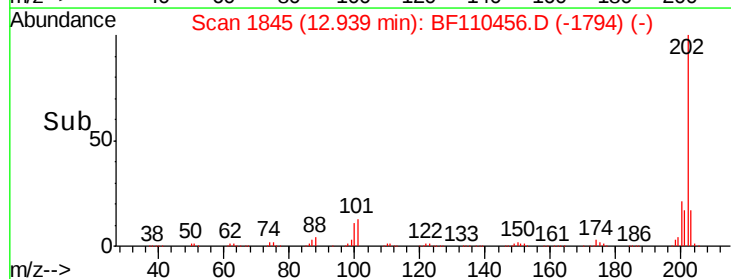
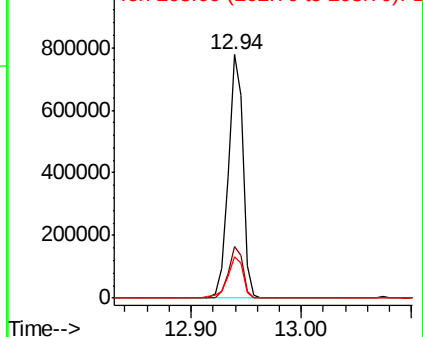
203 17.2 14.2 21.4



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: 81.279 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

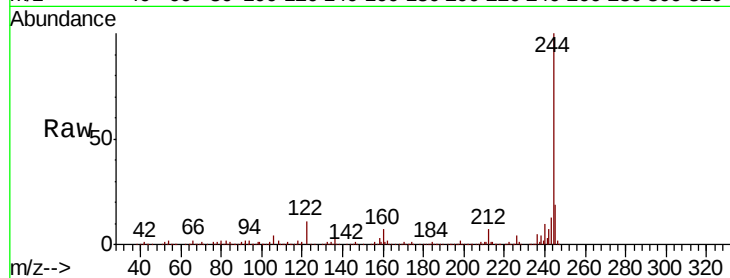
Tot Ion:244 Resp: 880300

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

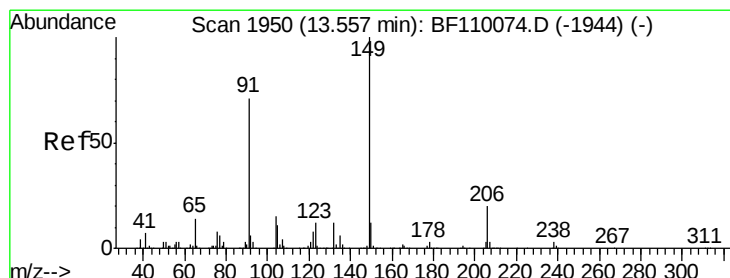
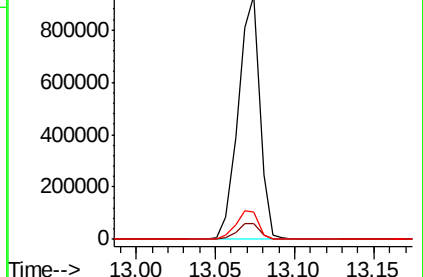
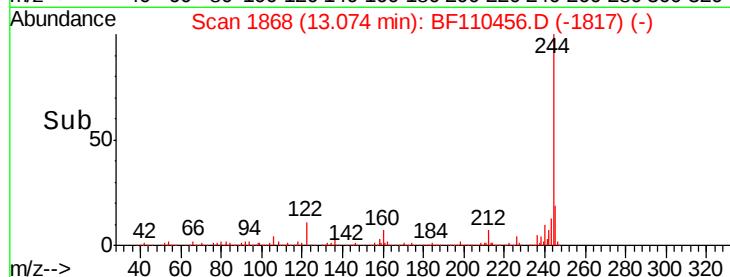
122 11.2 8.7 13.1



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: 45.108 ng

RT: 13.54 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

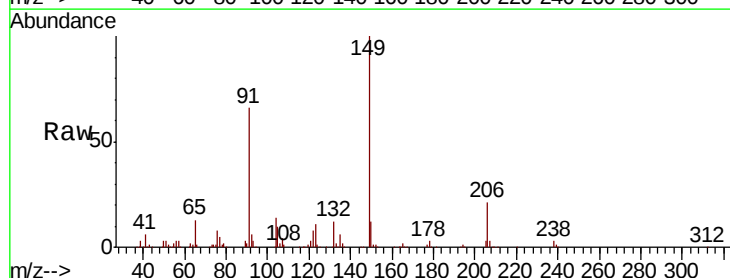
Tgt Ion:149 Resp: 316163

Ion Ratio Lower Upper

149 100

91 66.2 57.2 85.8

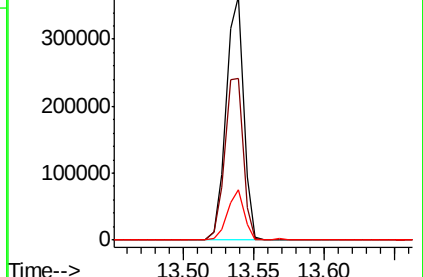
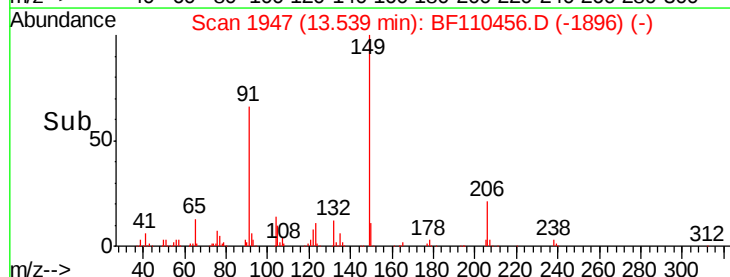
206 20.7 15.7 23.5



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: 44.678 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

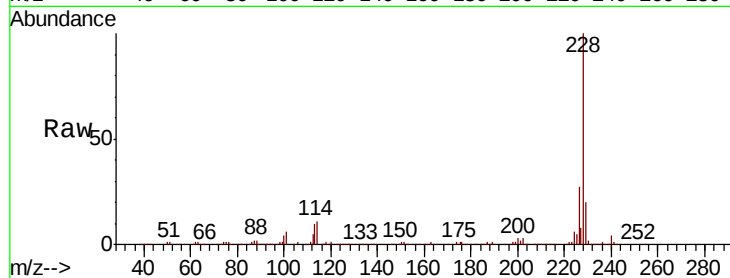
Tot Ion:228 Resp: 596784

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

229 20.0 15.6 23.4

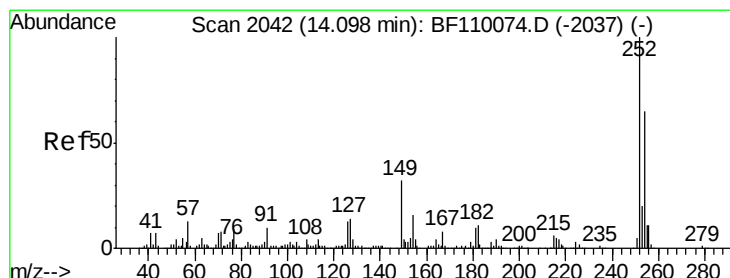
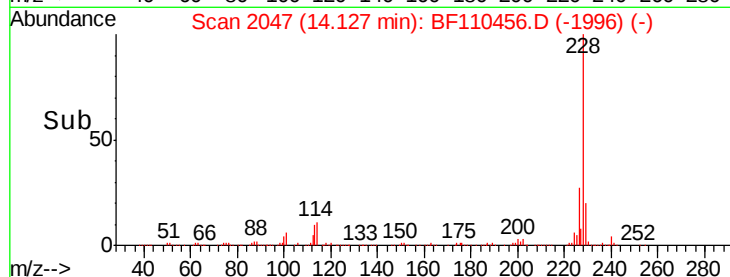
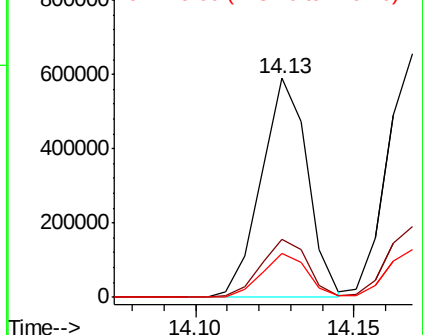


Abundance

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: 28.685 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

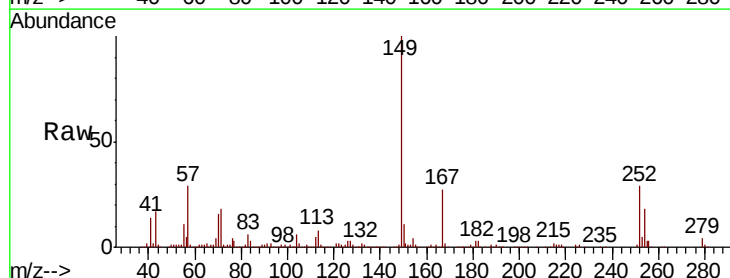
Tgt Ion:252 Resp: 133425

Ion Ratio Lower Upper

252 100

254 64.6 51.3 76.9

126 11.3 9.4 14.2

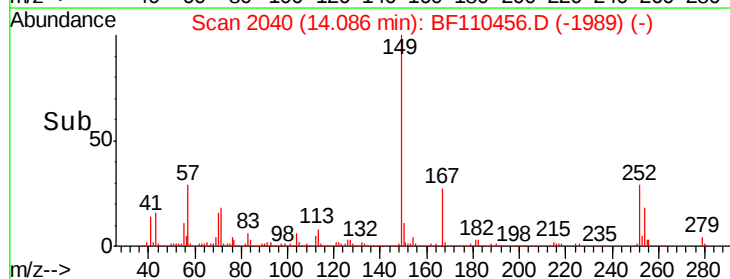
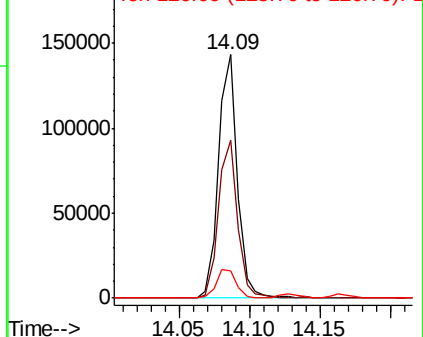


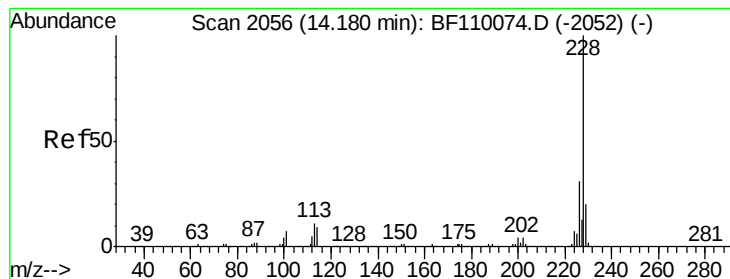
Abundance

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

Chrvsene

Concen: 44.567 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

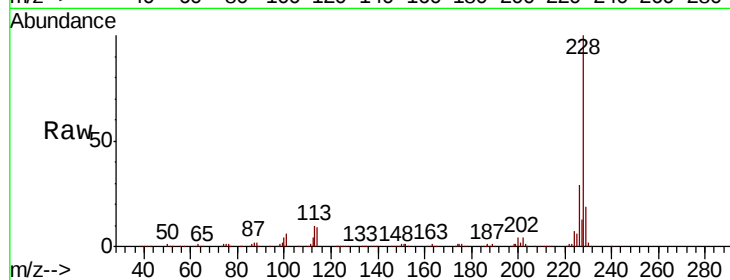
Tot Ion:228 Resp: 565420

Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

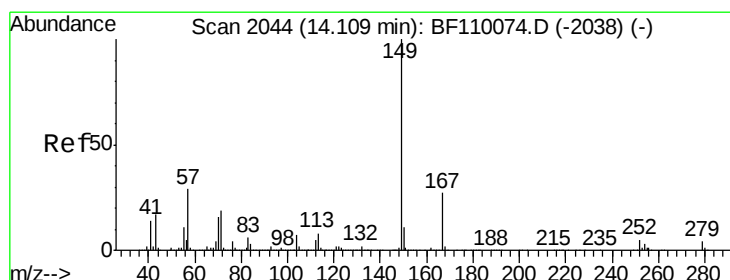
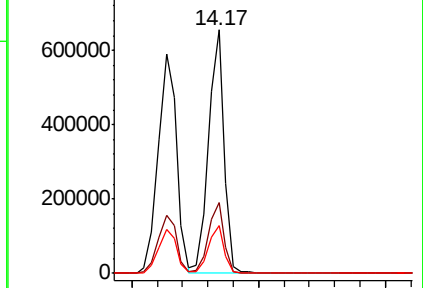
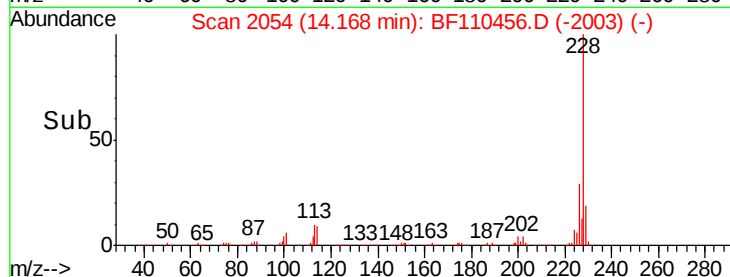
229 19.4 15.9 23.9



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: 43.509 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

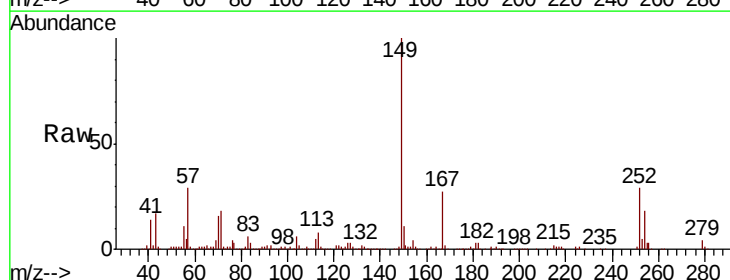
Tgt Ion:149 Resp: 412238

Ion Ratio Lower Upper

149 100

167 26.9 19.8 29.8

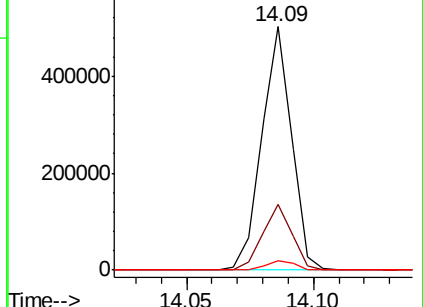
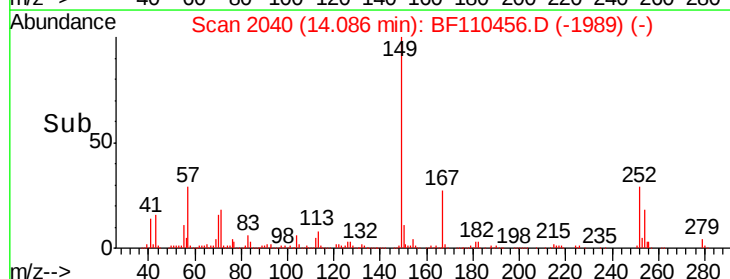
279 3.6 2.7 4.1

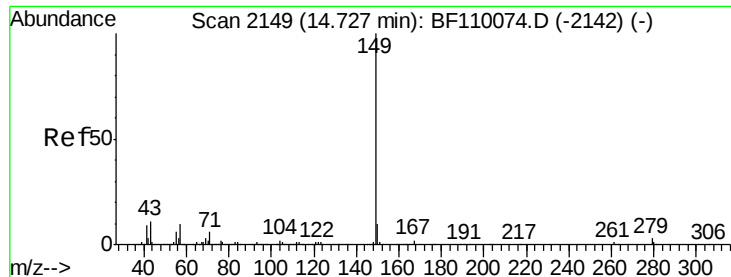


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

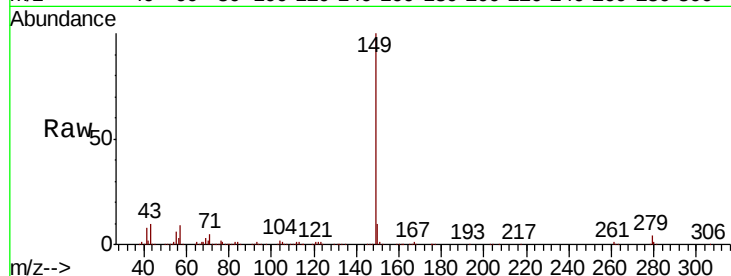




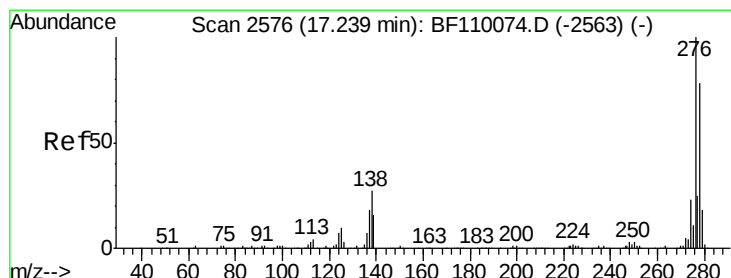
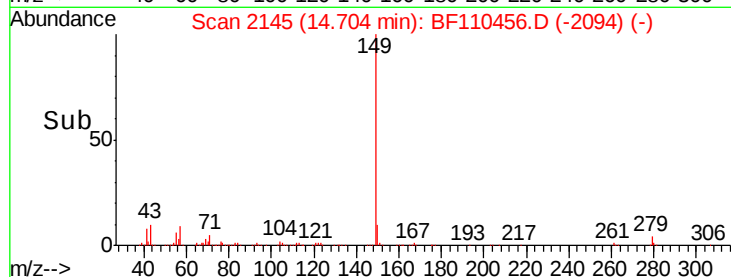
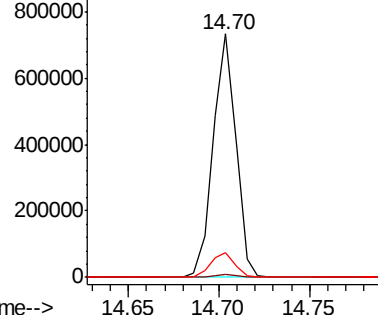
#85  
Di-n-octyl phthalate  
Concen: 43.348 ng  
RT: 14.70 min Scan# 2145  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 638634  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.1 1.7  
43 10.5 7.8 11.8

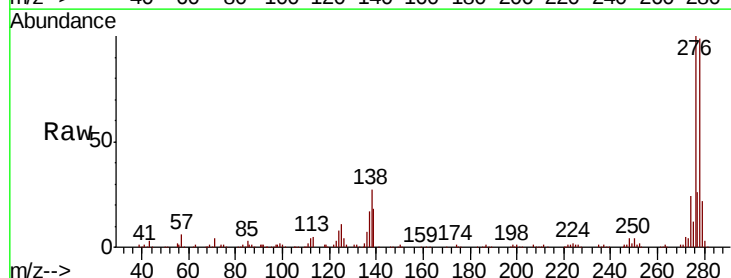


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

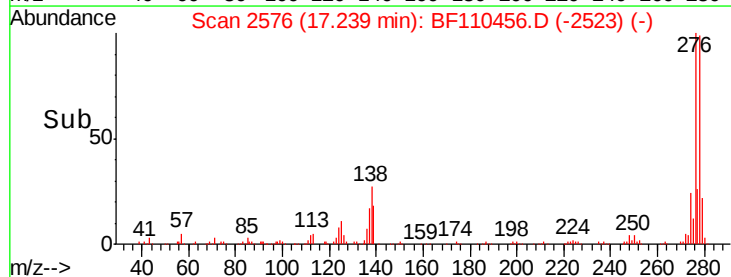
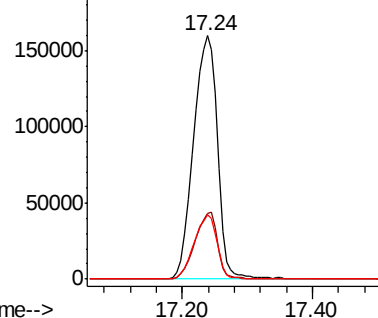


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 38.862 ng  
RT: 17.24 min Scan# 2576  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:276 Resp: 409032  
Ion Ratio Lower Upper  
276 100  
138 25.8 18.5 27.7  
277 25.3 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: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

Instrument :

BNA\_F

ClientSampleId :

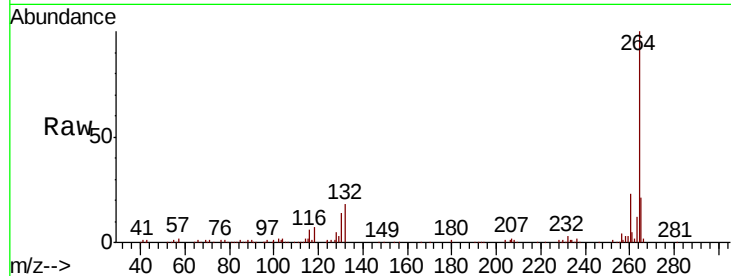
Tot Ion:264 Resp: 166176

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

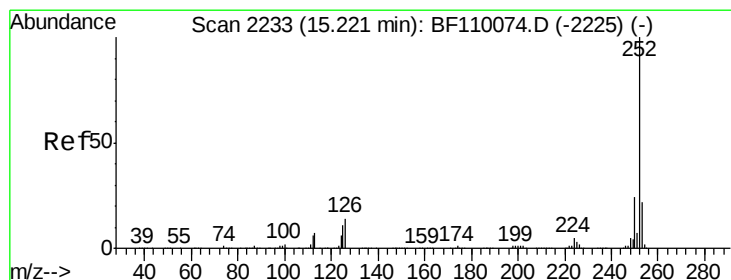
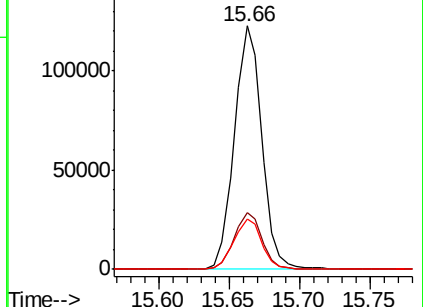
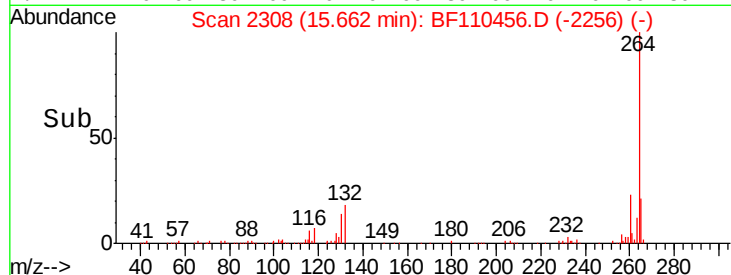
265 20.9 16.7 25.1



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: 46.060 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110456.D

Acq: 5 Nov 2018 11:11

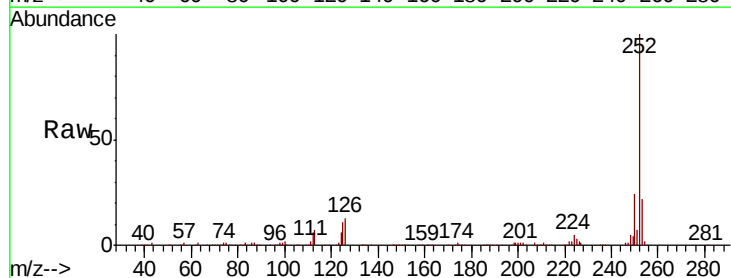
Tgt Ion:252 Resp: 441993

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

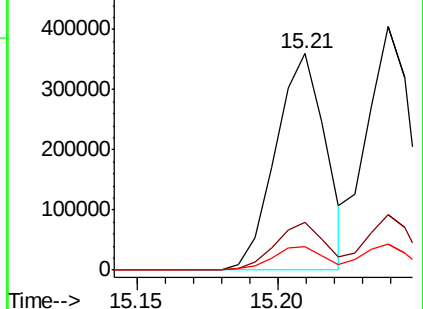
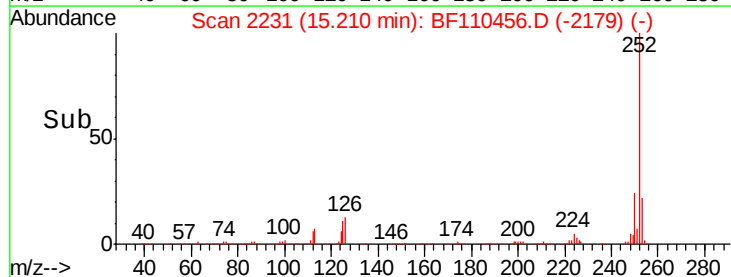
125 10.9 8.2 12.4

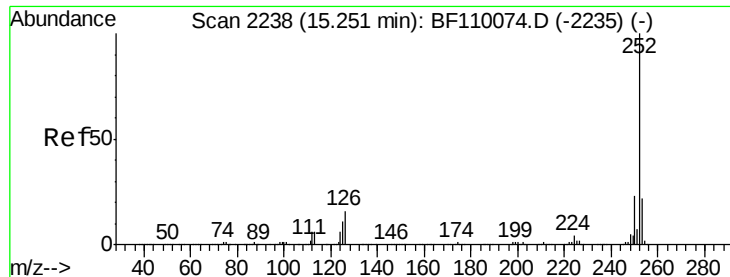


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

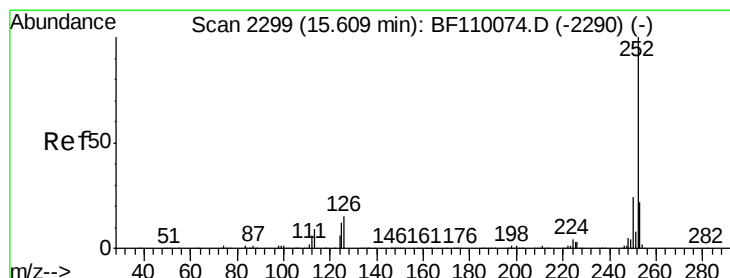
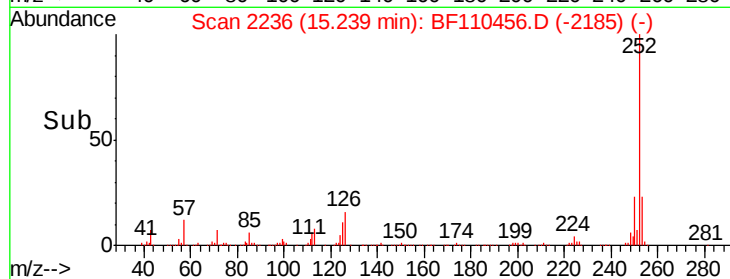
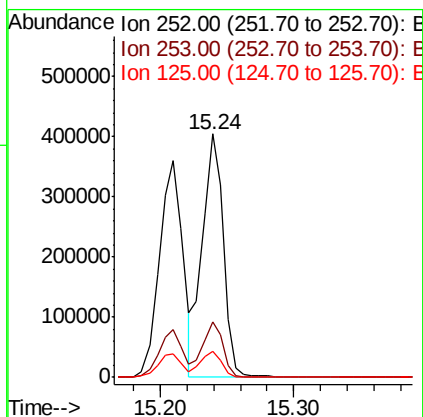
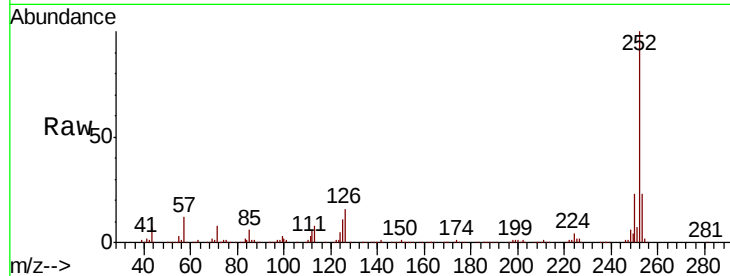




#89  
Benzo(k)fluoranthene  
Concen: 46.818 ng  
RT: 15.24 min Scan# 2236  
Delta R.T. 0.00 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

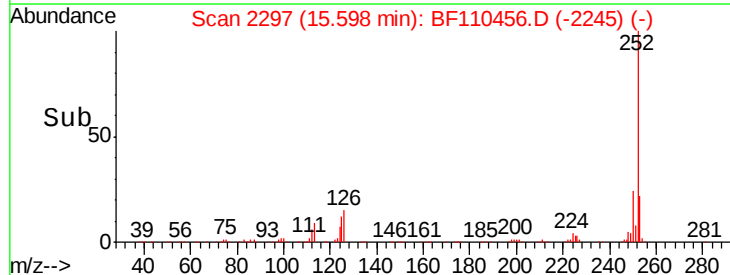
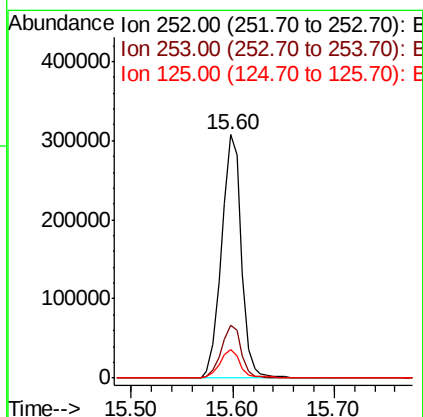
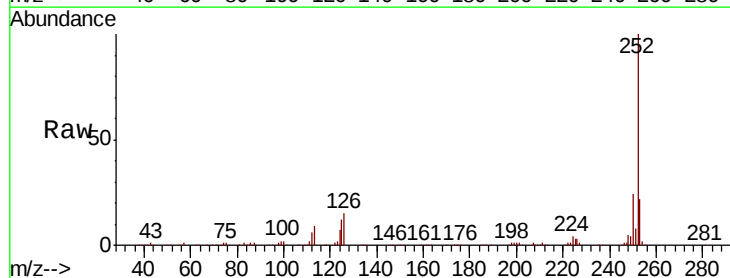
Instrument :  
BNA\_F  
ClientSampleId :

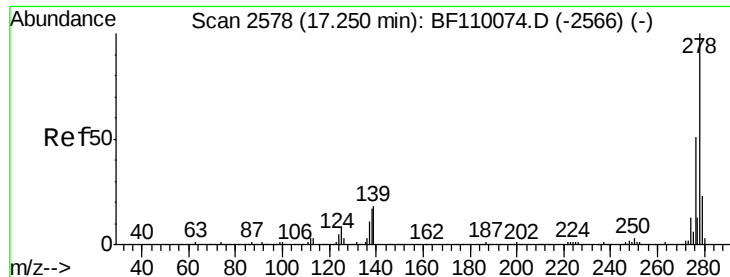
Tot Ion:252 Resp: 441676  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.2 25.8  
125 10.8 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 47.275 ng  
RT: 15.60 min Scan# 2297  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:252 Resp: 417433  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.2 27.4  
125 11.9 9.0 13.6

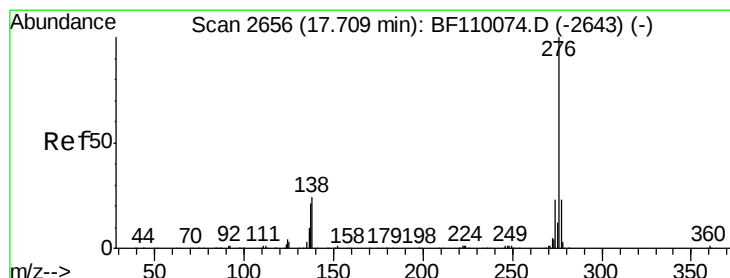
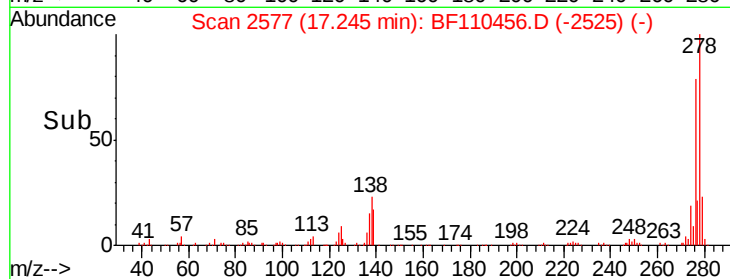
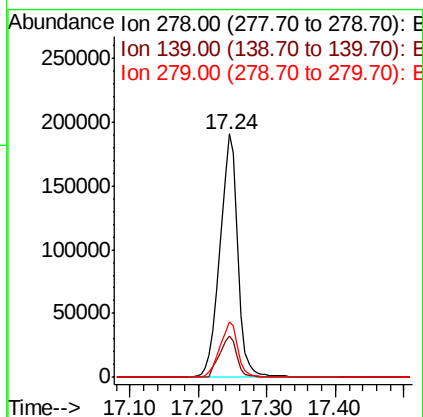
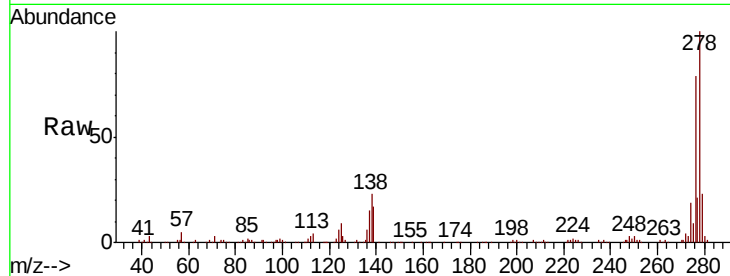




#91  
Dibenzo(a,h)anthracene  
Concen: 45.337 ng  
RT: 17.24 min Scan# 2577  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 345416  
Ion Ratio Lower Upper  
278 100  
139 17.0 12.7 19.1  
279 22.8 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 45.766 ng  
RT: 17.72 min Scan# 2657  
Delta R.T. 0.01 min  
Lab File: BF110456.D  
Acq: 5 Nov 2018 11:11

Tgt Ion:276 Resp: 343600  
Ion Ratio Lower Upper  
276 100  
277 22.2 18.8 28.2  
138 22.8 16.0 24.0

