

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\  
 Data File : BF110348.D  
 Acq On : 31 Oct 2018 22:17  
 Operator : JU/SJ  
 Sample : PB114334BSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 01 03:45:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 31 14:18:16 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 74228    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 286994   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 10.02 | 164  | 126696   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.52 | 188  | 223318   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.17 | 240  | 169066   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.70 | 264  | 118800   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 380344 | 83.44 | ng | 0.01 |
| 7) Phenol-d6             | 6.60  | 99  | 464576 | 79.68 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.54  | 82  | 425749 | 87.99 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.82 | 330 | 101624 | 80.97 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.33  | 172 | 786469 | 97.47 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.10 | 244 | 721768 | 88.79 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.88 | 88  | 64665  | 27.077 | ng | 89     |
| 3) Pyridine                    | 3.65 | 79  | 188387 | 35.417 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.61 | 42  | 94281  | 42.307 | ng | 89     |
| 6) Aniline                     | 6.63 | 93  | 125885 | 16.575 | ng | # 55   |
| 8) 2-Chlorophenol              | 6.76 | 128 | 208080 | 39.595 | ng | 97     |
| 9) Benzaldehyde                | 6.53 | 77  | 147601 | 45.304 | ng | 96     |
| 10) Phenol                     | 6.61 | 94  | 248396 | 39.857 | ng | # 66   |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 186894 | 36.451 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.92 | 146 | 215932 | 37.337 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 220029 | 37.618 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.15 | 146 | 207282 | 38.175 | ng | 98     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 174799 | 38.981 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 303594 | 37.033 | ng | 70     |
| 17) 2-Methylphenol             | 7.22 | 107 | 167539 | 40.003 | ng | # 81   |
| 18) Hexachloroethane           | 7.48 | 117 | 68522  | 31.998 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 138265 | 36.966 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 214720 | 39.662 | ng | 93     |
| 22) Acetophenone               | 7.38 | 105 | 282612 | 42.736 | ng | 96     |
| 24) Nitrobenzene               | 7.56 | 77  | 206166 | 41.270 | ng | 93     |
| 25) Isophorone                 | 7.79 | 82  | 374512 | 45.407 | ng | 98     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 95330  | 40.102 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 181677 | 46.096 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 236864 | 42.274 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 166076 | 41.709 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180 | 179631 | 40.275 | ng | 97     |
| 31) Naphthalene                | 8.28 | 128 | 582517 | 44.039 | ng | 100    |
| 32) Benzoic acid               | 8.01 | 122 | 65074  | 21.363 | ng | 93     |
| 33) 4-Chloroaniline            | 8.33 | 127 | 68177  | 11.453 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.39 | 225 | 100792 | 40.700 | ng | 98     |
| 35) Caprolactam                | 8.73 | 113 | 14490  | 10.441 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 176869 | 41.077 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 389341 | 44.488 | ng | 100    |
| 38) 1-Methylnaphthalene        | 8.97 | 142 | 389341 | 46.037 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 167376 | 42.400 | ng | 98     |

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 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

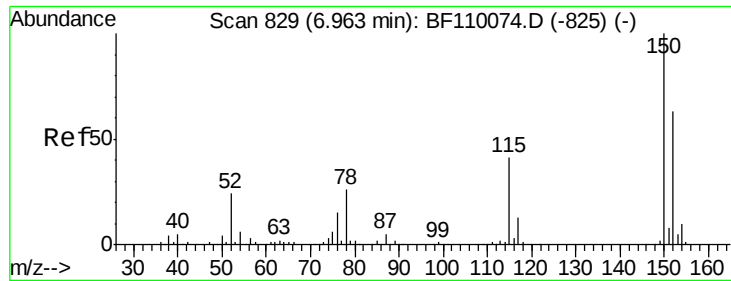
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 01 03:45:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 31 14:18:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.12  | 237  | 37160    | 18.409  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.25  | 196  | 107520   | 42.228  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.29  | 196  | 112801   | 41.912  | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.43  | 154  | 475819   | 41.531  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.46  | 162  | 353359   | 42.046  | ng    | 99       |
| 48) 2-Nitroaniline             | 9.56  | 65   | 115156   | 45.218  | ng    | 97       |
| 49) Acenaphthylene             | 9.88  | 152  | 547696   | 45.121  | ng    | 99       |
| 50) Dimethylphthalate          | 9.73  | 163  | 424441   | 45.383  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.80  | 165  | 85260    | 42.322  | ng    | 96       |
| 52) Acenaphthene               | 10.05 | 154  | 322461   | 40.156  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.97  | 138  | 58870    | 24.573  | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 10.09 | 184  | 15971    | 23.858  | ng    | 88       |
| 55) Dibenzofuran               | 10.23 | 168  | 470213   | 41.823  | ng    | 96       |
| 56) 4-Nitrophenol              | 10.13 | 139  | 180376   | 101.730 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.21 | 165  | 107476   | 42.002  | ng    | # 88     |
| 58) Fluorene                   | 10.57 | 166  | 371201   | 44.362  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.35 | 232  | 87783    | 40.016  | ng    | # 92     |
| 60) Diethylphthalate           | 10.43 | 149  | 410028   | 44.913  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.56 | 204  | 181108   | 41.029  | ng    | 96       |
| 62) 4-Nitroaniline             | 10.59 | 138  | 87194    | 36.594  | ng    | 94       |
| 63) Azobenzene                 | 10.72 | 77   | 373993   | 41.271  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 13872    | 13.596  | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 10.67 | 169  | 328261   | 44.815  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 11.05 | 248  | 104196   | 43.014  | ng    | 98       |
| 68) Hexachlorobenzene          | 11.12 | 284  | 106704   | 41.516  | ng    | 94       |
| 69) Atrazine                   | 11.20 | 200  | 110391   | 47.689  | ng    | 96       |
| 70) Pentachlorophenol          | 11.32 | 266  | 91778    | 61.238  | ng    | 97       |
| 71) Phenanthrene               | 11.54 | 178  | 527996   | 45.186  | ng    | 99       |
| 72) Anthracene                 | 11.59 | 178  | 546077   | 46.624  | ng    | 98       |
| 73) Carbazole                  | 11.75 | 167  | 478798   | 41.868  | ng    | 99       |
| 74) Di-n-butylphthalate        | 12.06 | 149  | 612252   | 47.404  | ng    | 99       |
| 75) Fluoranthene               | 12.73 | 202  | 534509   | 45.072  | ng    | 100      |
| 77) Benzidine                  | 12.85 | 184  | 341167   | Below   | Cal   | 97       |
| 78) Pyrene                     | 12.96 | 202  | 541959   | 44.714  | ng    | 97       |
| 80) Butylbenzylphthalate       | 13.56 | 149  | 252562   | 48.008  | ng    | 97       |
| 81) Benzo(a)anthracene         | 14.16 | 228  | 454214   | 45.304  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.11 | 252  | 139507   | 39.959  | ng    | 99       |
| 83) Chrysene                   | 14.19 | 228  | 423645   | 44.488  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 339714   | 47.769  | ng    | 96       |
| 85) Di-n-octyl phthalate       | 14.73 | 149  | 566158   | 51.199  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.29 | 276  | 279065   | 35.325  | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.24 | 252  | 334715   | 48.790  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.27 | 252  | 335082   | 49.684  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.64 | 252  | 298806   | 47.335  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.30 | 278  | 236816   | 43.478  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.77 | 276  | 223694   | 41.677  | ng    | 97       |

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



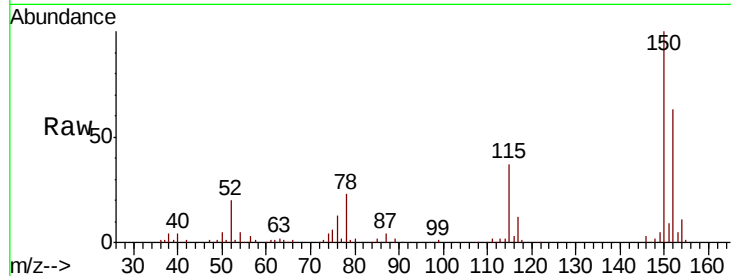


#1

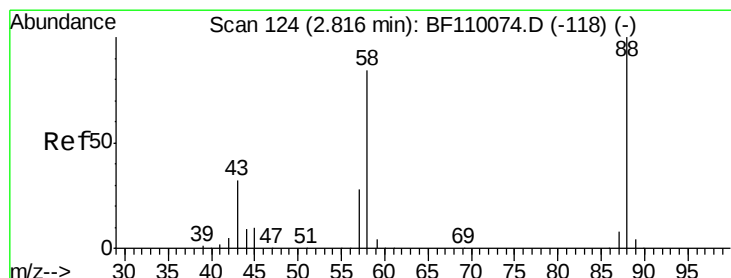
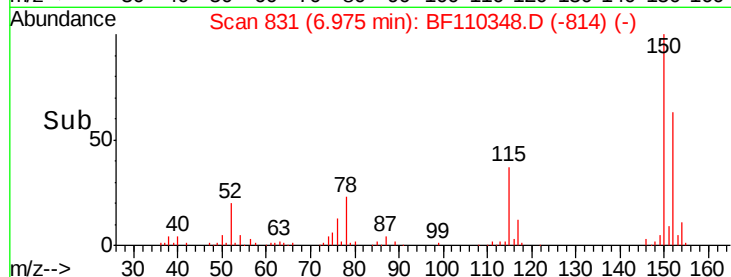
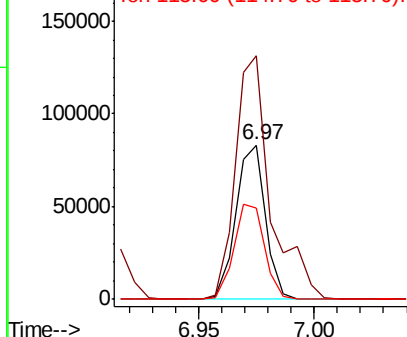
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 74228  
Ion Ratio Lower Upper  
152 100  
150 157.8 122.7 184.1  
115 58.9 49.1 73.7



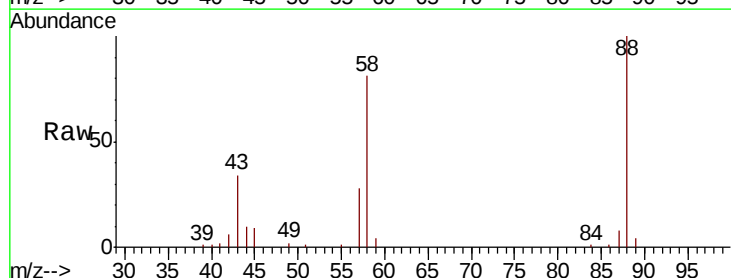
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



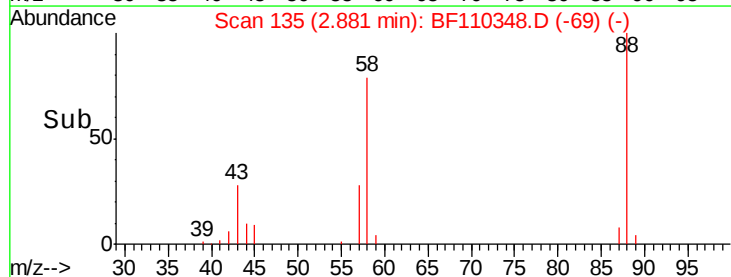
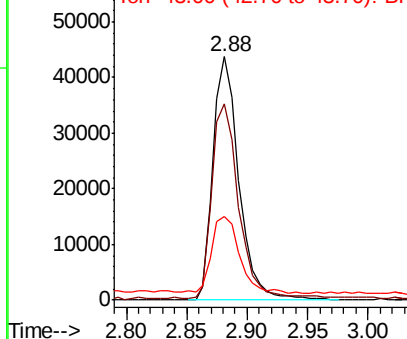
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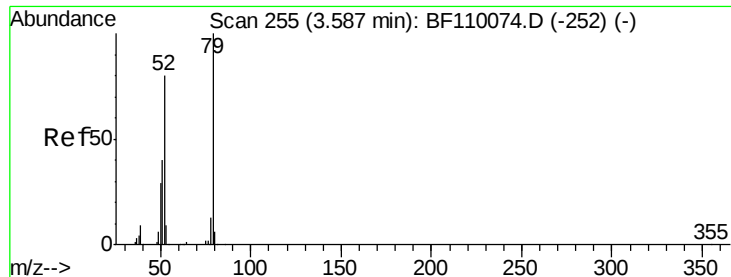
1,4-Dioxane  
Concen: 27.077 ng  
RT: 2.88 min Scan# 135  
Delta R.T. 0.09 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion: 88 Resp: 64665  
Ion Ratio Lower Upper  
88 100  
58 82.2 57.1 85.7  
43 33.7 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: 35.417 ng

RT: 3.65 min Scan# 266

Delta R.T. 0.07 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

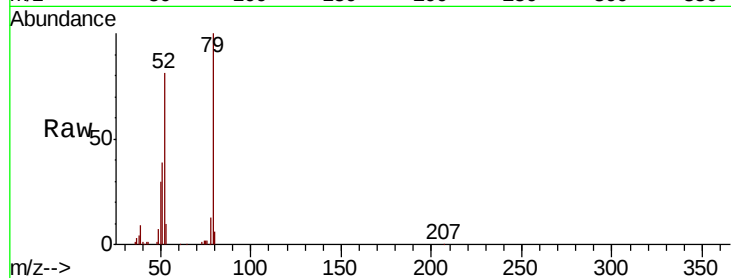
Tot Ion: 79 Resp: 188387

Ion Ratio Lower Upper

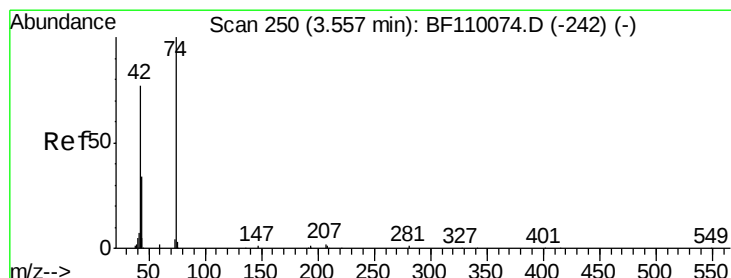
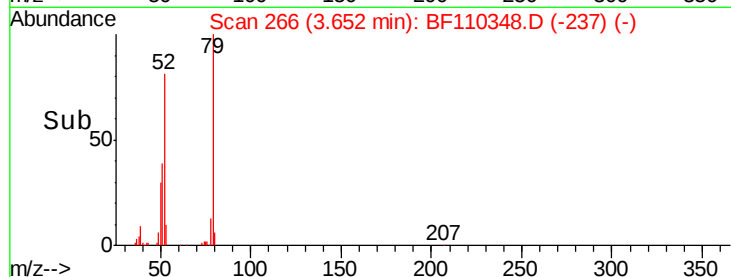
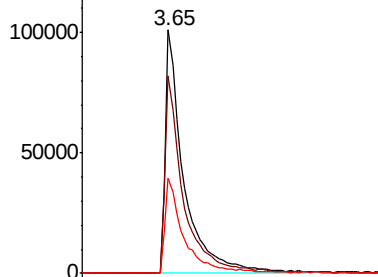
79 100

52 81.1 53.1 79.7#

51 39.2 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: 42.307 ng

RT: 3.61 min Scan# 259

Delta R.T. 0.06 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

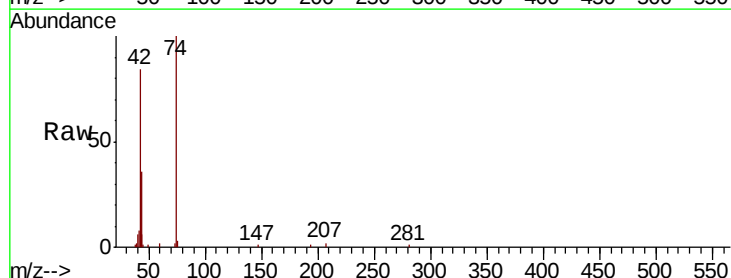
Tgt Ion: 42 Resp: 94281

Ion Ratio Lower Upper

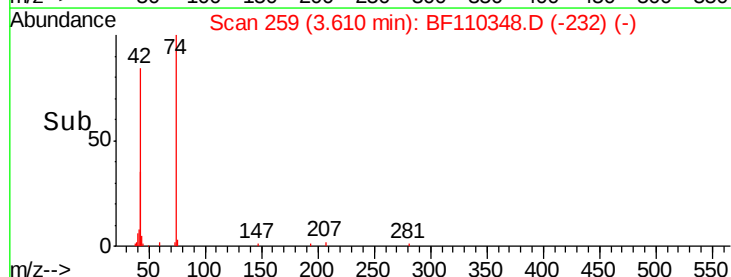
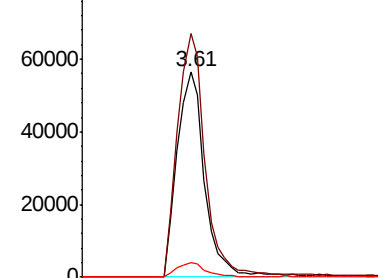
42 100

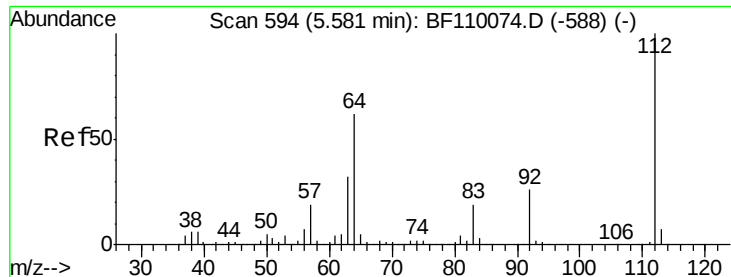
74 118.5 105.5 158.3

44 7.0 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: 83.442 ng

RT: 5.60 min Scan# 598

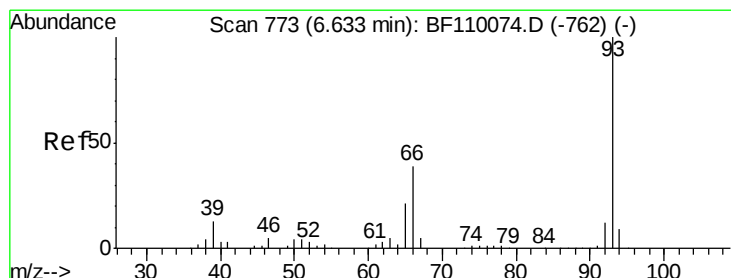
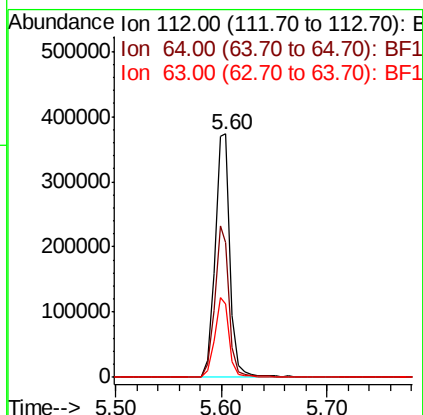
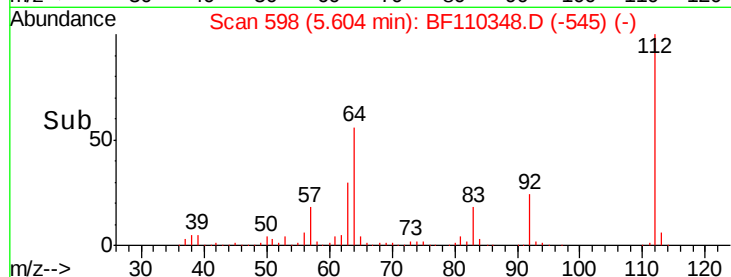
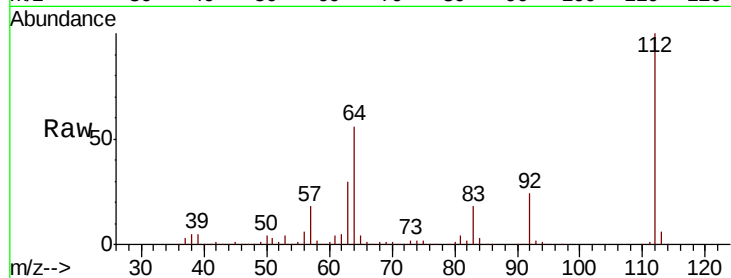
Delta R.T. 0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 380344 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 55.6  | 44.1  | 66.1   |
| 63       | 30.0  | 23.7  | 35.5   |



#6

Aniline

Concen: 16.575 ng

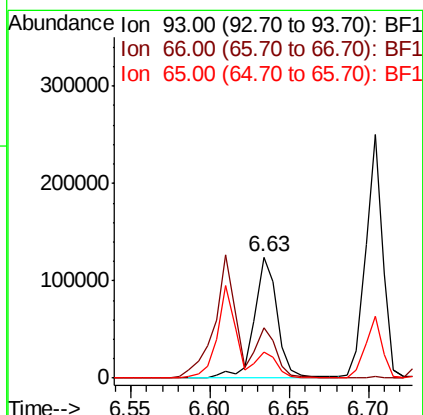
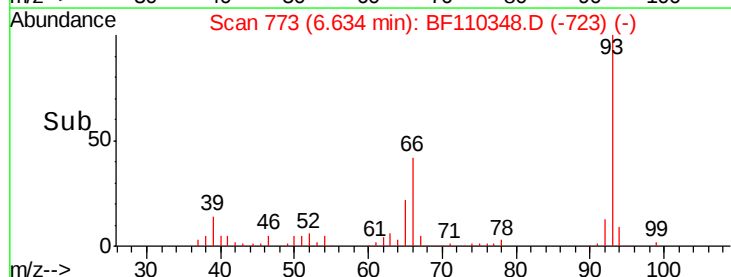
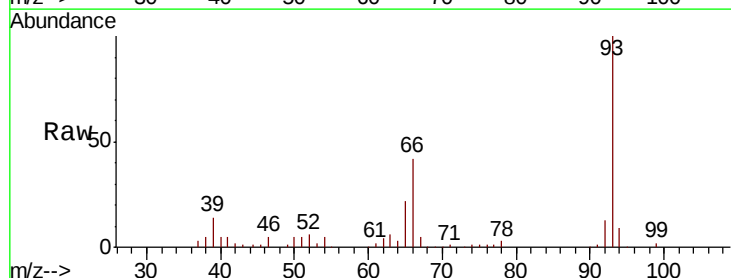
RT: 6.63 min Scan# 773

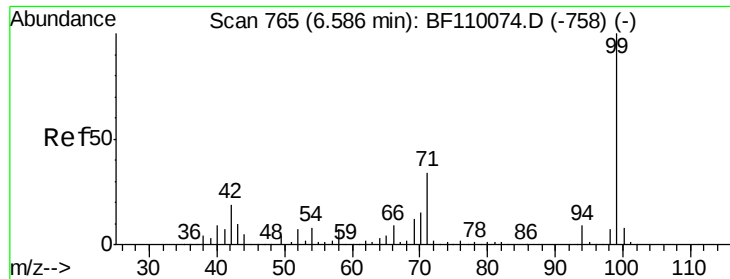
Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 125885 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 42.1  | 67.4  | 101.0# |
| 65       | 21.5  | 41.0  | 61.4#  |





#7

Phenol-d6

Concen: 79.683 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

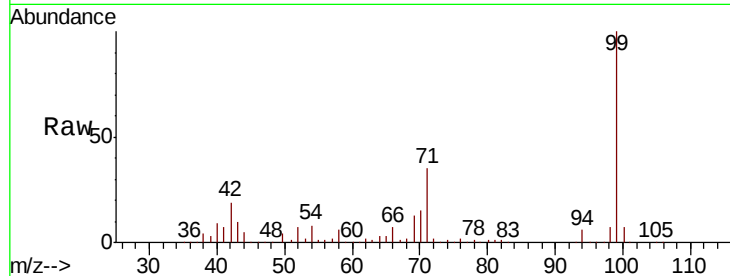
Tot Ion: 99 Resp: 464576

Ion Ratio Lower Upper

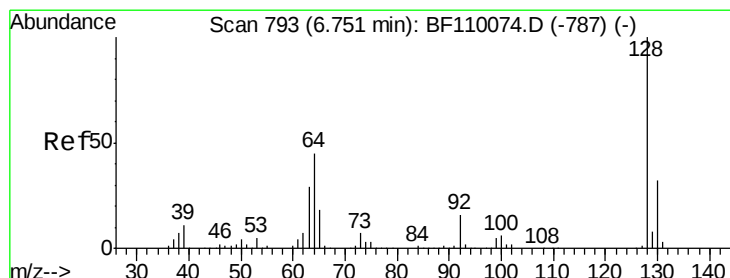
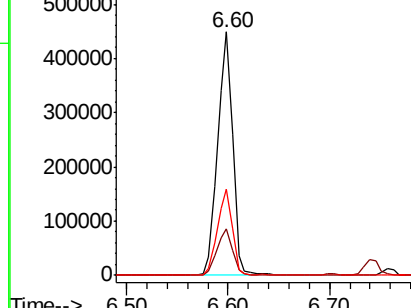
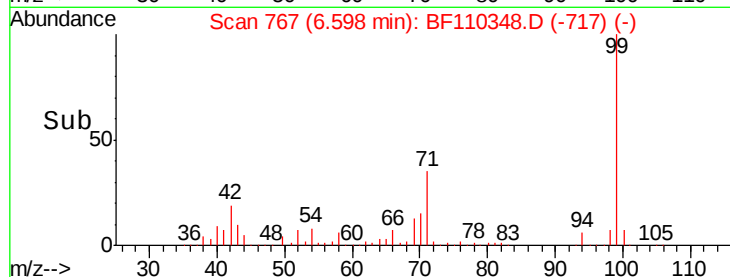
99 100

42 19.4 15.8 23.6

71 35.2 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: 39.595 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

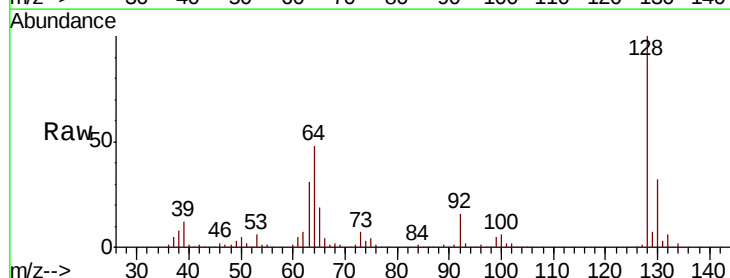
Tgt Ion: 128 Resp: 208080

Ion Ratio Lower Upper

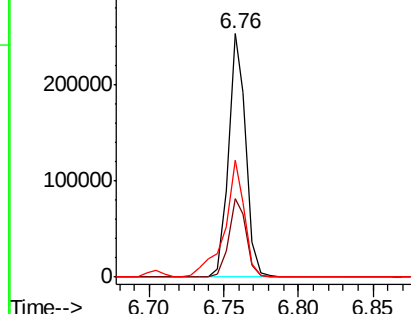
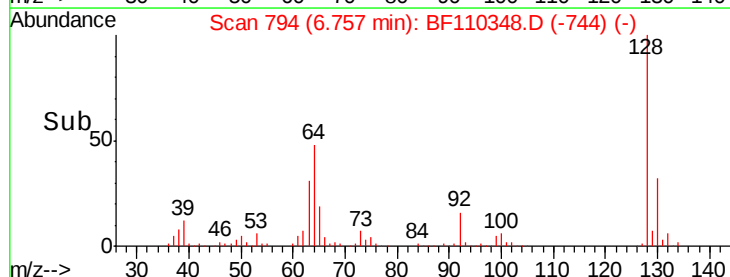
128 100

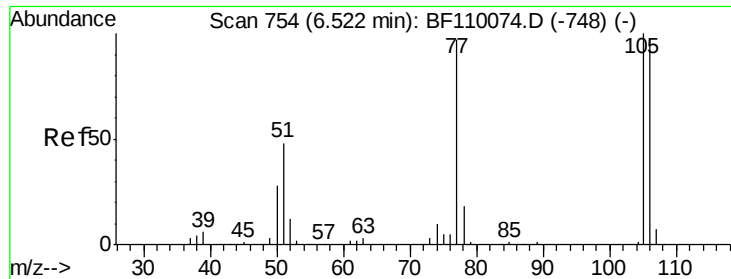
130 32.1 13.1 53.1

64 48.3 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: 45.304 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampled :

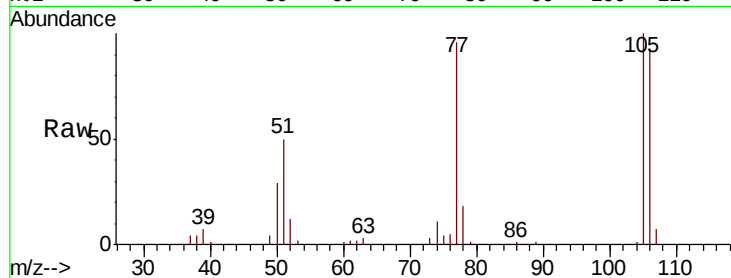
Tot Ion: 77 Resp: 147601

Ion Ratio Lower Upper

77 100

105 103.7 78.6 118.6

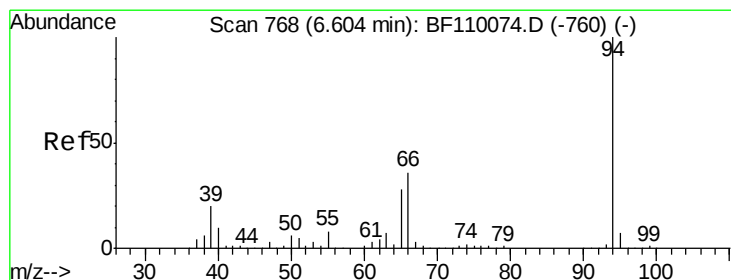
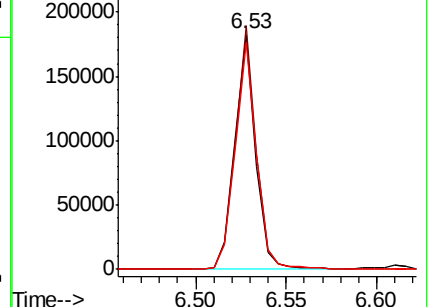
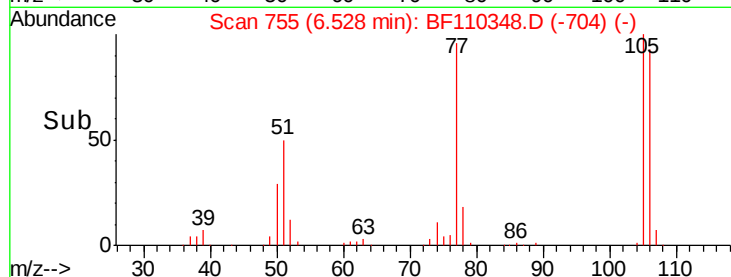
106 96.7 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.857 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

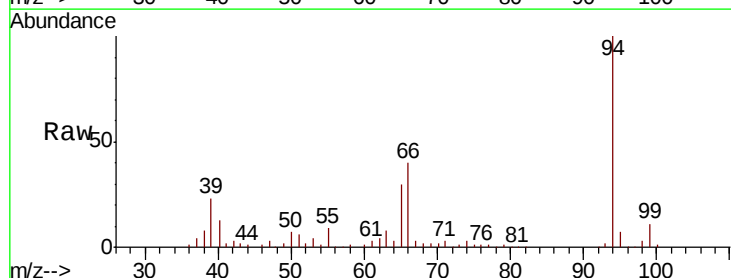
Tgt Ion: 94 Resp: 248396

Ion Ratio Lower Upper

94 100

65 30.1 25.3 65.3

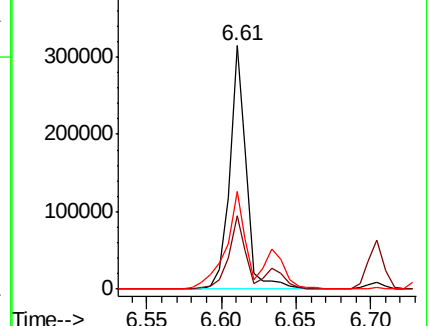
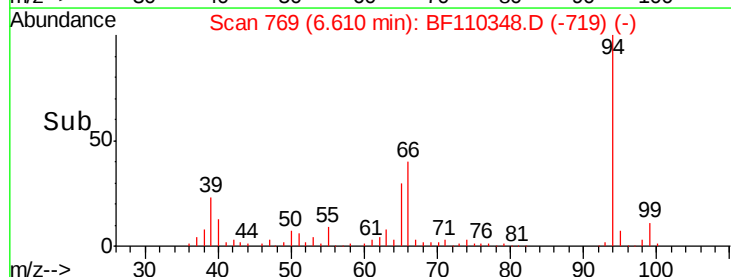
66 40.3 54.5 94.5#

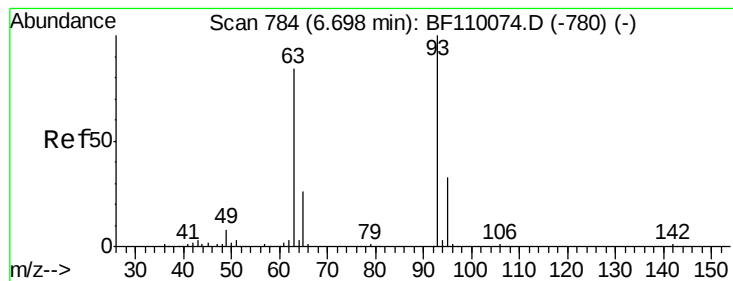


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 36.451 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

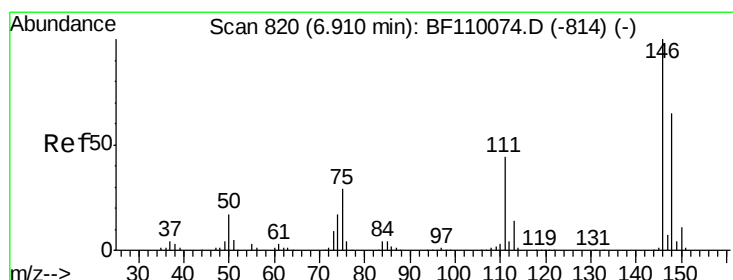
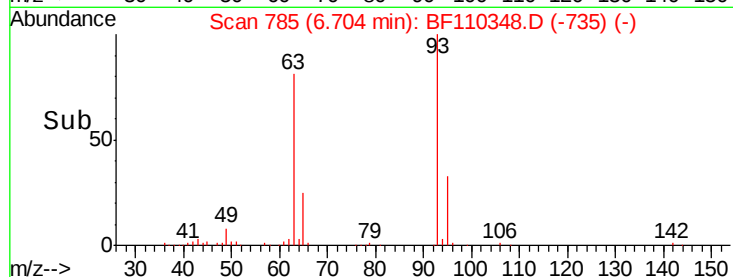
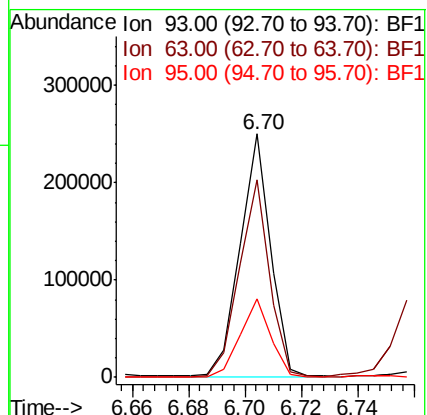
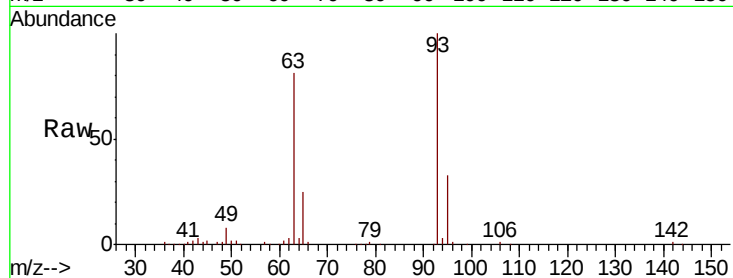
Tot Ion: 93 Resp: 186894

Ion Ratio Lower Upper

93 100

63 81.1 53.4 93.4

95 32.5 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 37.337 ng

RT: 6.92 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

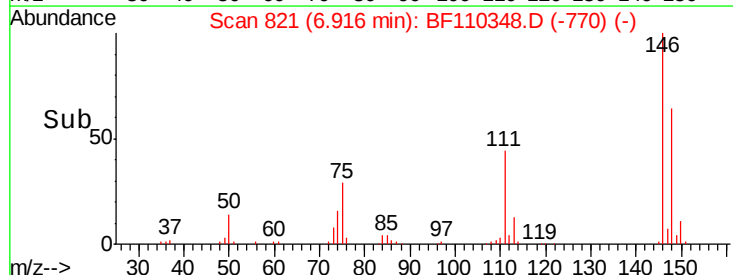
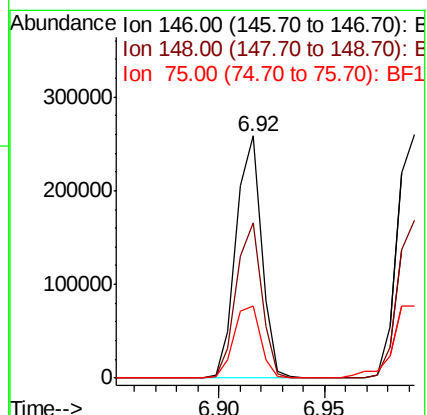
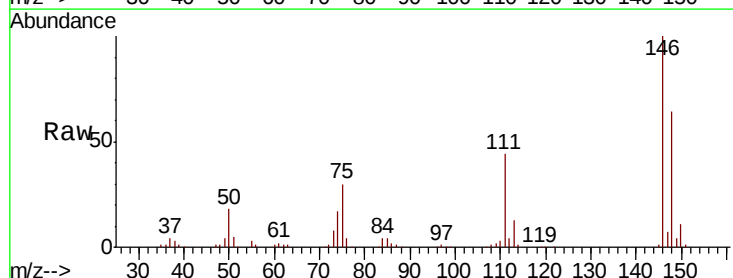
Tgt Ion: 146 Resp: 215932

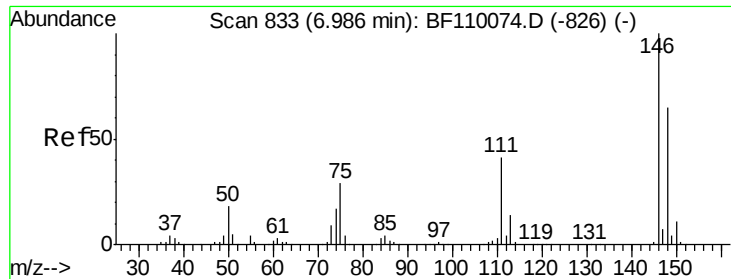
Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

75 29.6 25.8 38.6

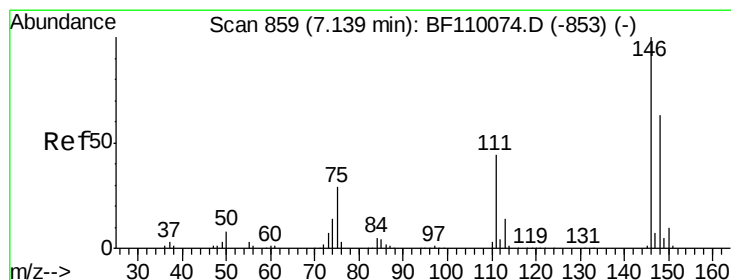
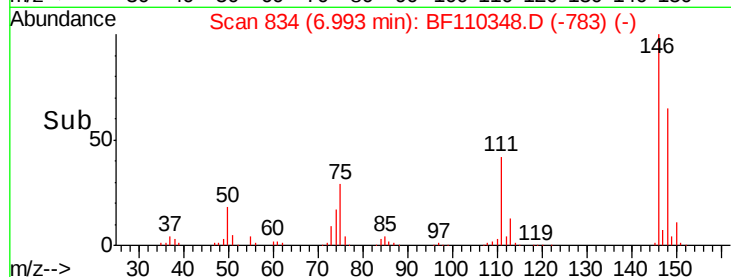
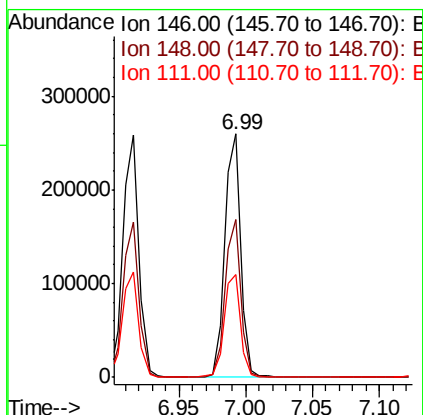
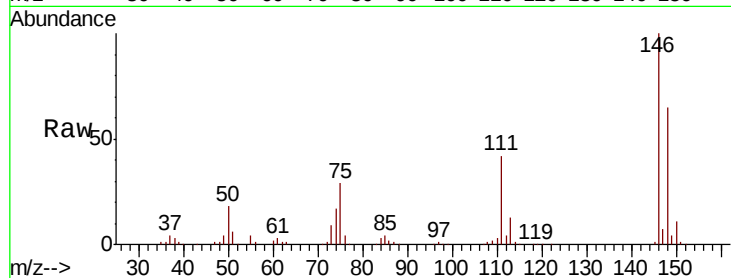




#13  
 1,4-Dichlorobenzene  
 Concen: 37.618 ng  
 RT: 6.99 min Scan# 834  
 Delta R.T. 0.00 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

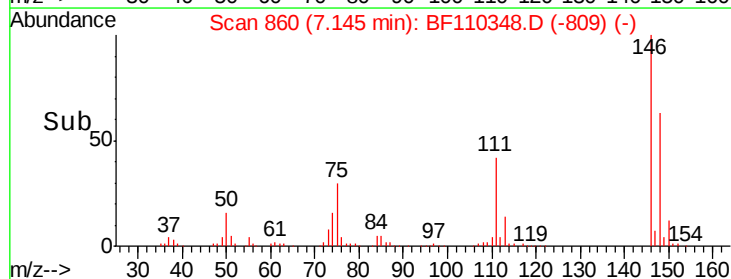
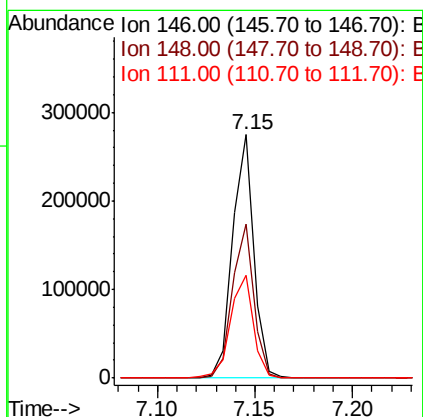
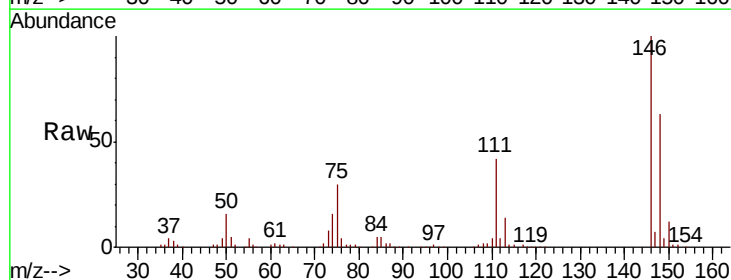
Instrument :  
 BNA\_F  
 ClientSampleId :

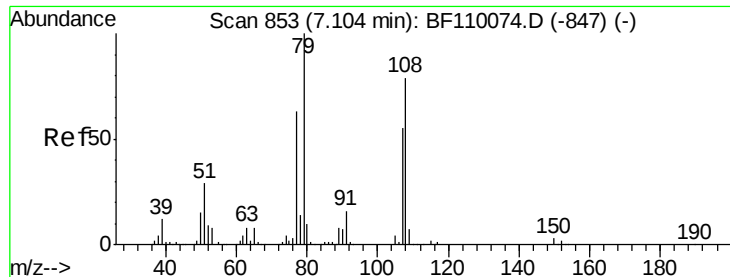
Tot Ion:146 Resp: 220029  
 Ion Ratio Lower Upper  
 146 100  
 148 65.0 50.3 75.5  
 111 42.5 32.7 49.1



#14  
 1,2-Dichlorobenzene  
 Concen: 38.175 ng  
 RT: 7.15 min Scan# 860  
 Delta R.T. 0.00 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Tgt Ion:146 Resp: 207282  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 51.1 76.7  
 111 42.3 35.8 53.6





#15

Benzyl Alcohol

Concen: 38.981 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

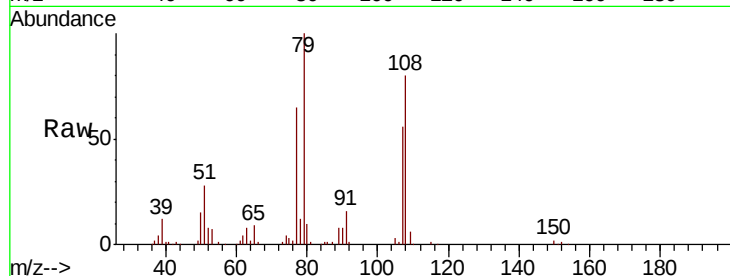
Tot Ion: 79 Resp: 174799

Ion Ratio Lower Upper

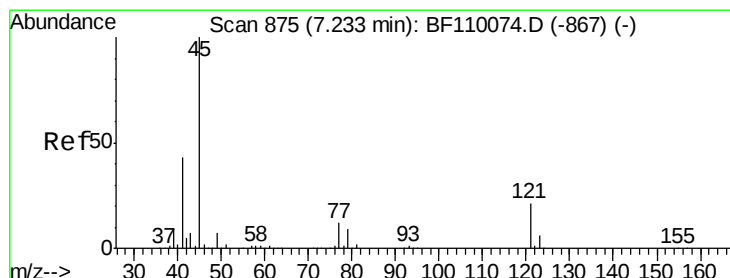
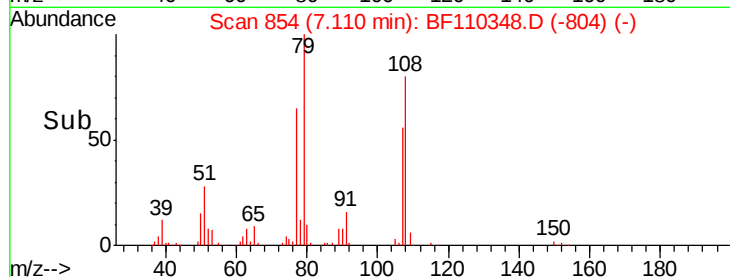
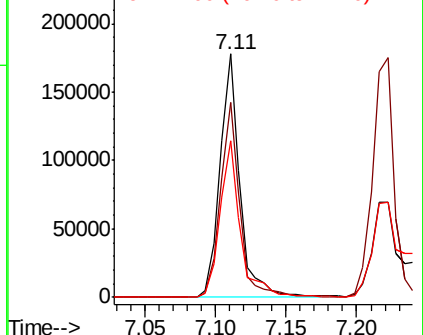
79 100

108 79.9 56.3 84.5

77 64.6 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: 37.033 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

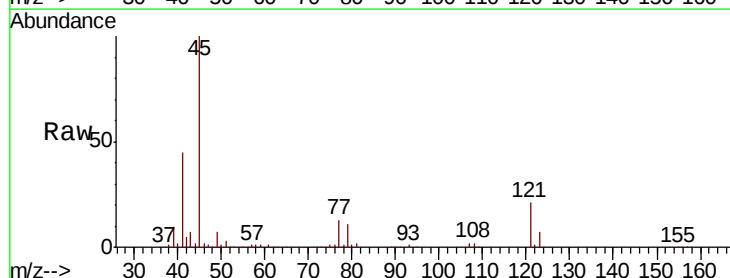
Tgt Ion: 45 Resp: 303594

Ion Ratio Lower Upper

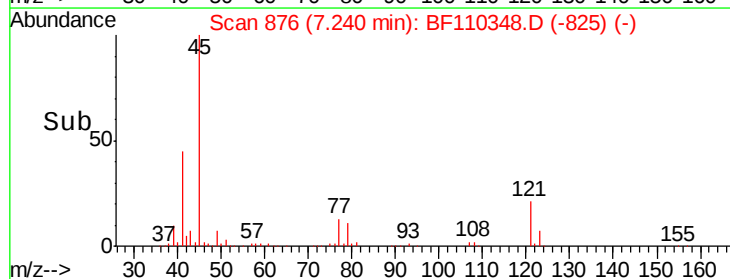
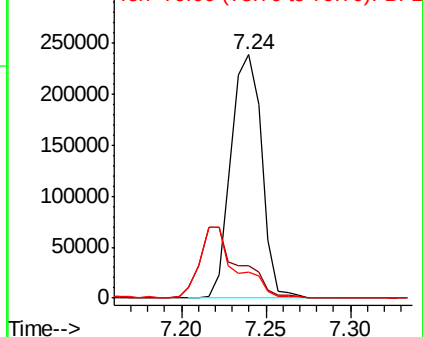
45 100

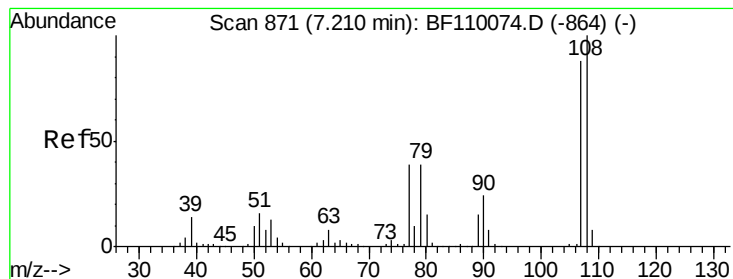
77 13.5 10.0 50.0

79 10.6 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: 40.003 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 167539

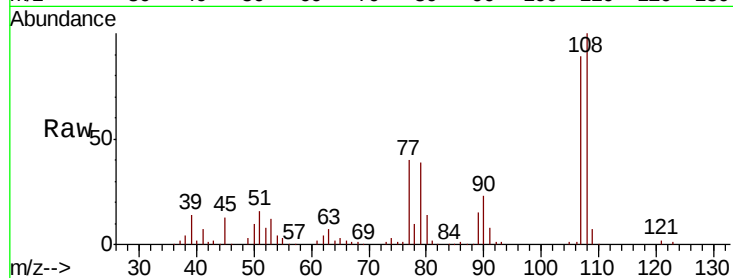
Ion Ratio Lower Upper

107 100

108 112.5 92.6 138.8

77 44.6 59.4 89.2#

79 44.4 54.0 81.0#

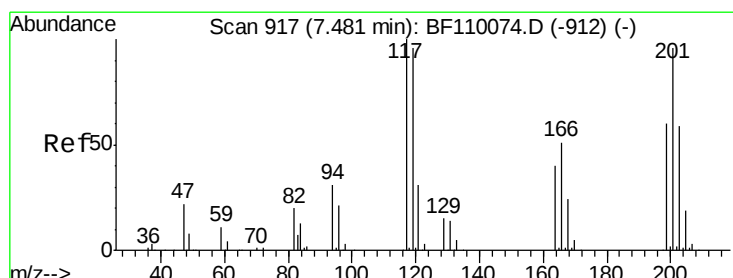
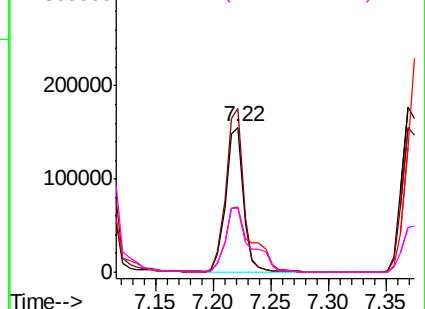
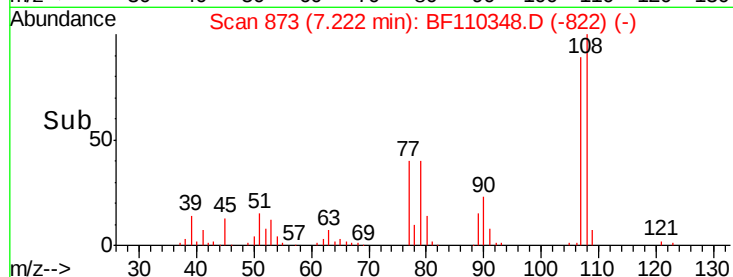


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 31.998 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

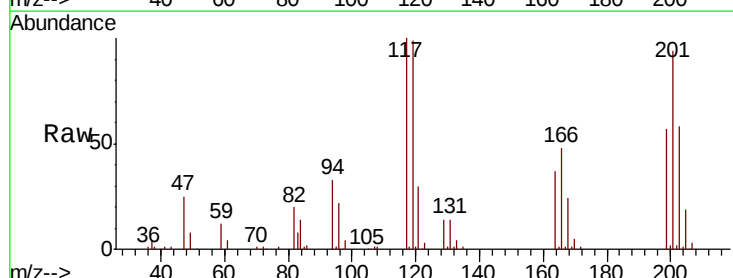
Tgt Ion:117 Resp: 68522

Ion Ratio Lower Upper

117 100

119 99.2 75.0 112.6

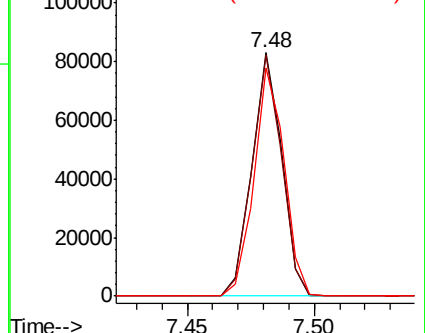
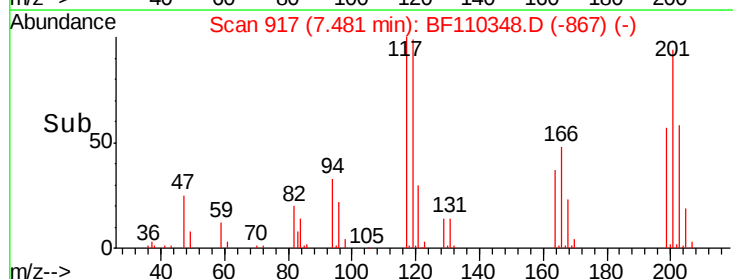
201 93.7 79.2 118.8

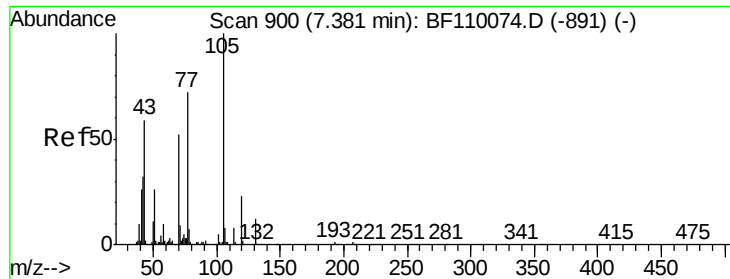


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

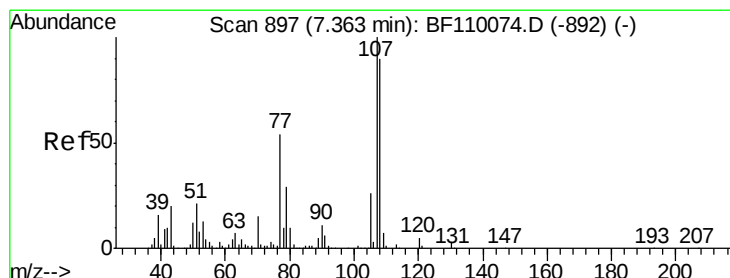
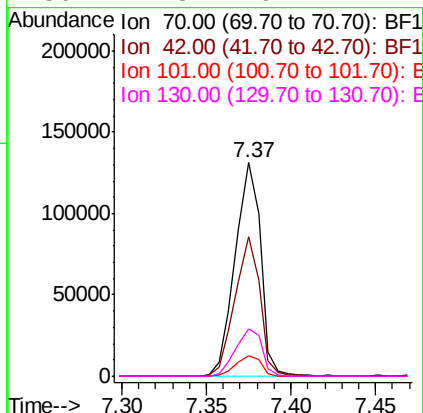
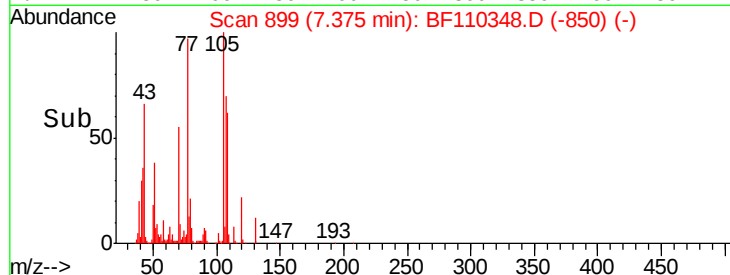
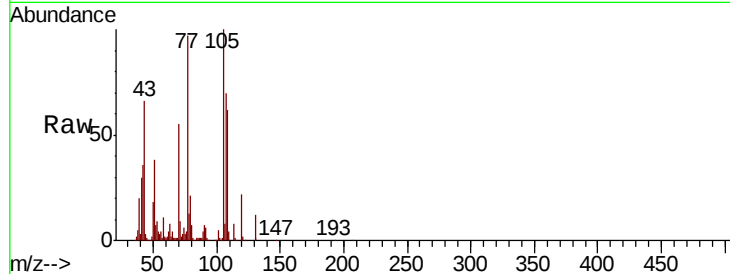




#19  
n-Nitroso-di-n-propylamine  
Concen: 36.966 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

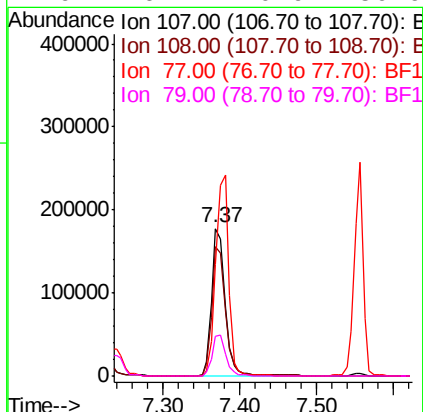
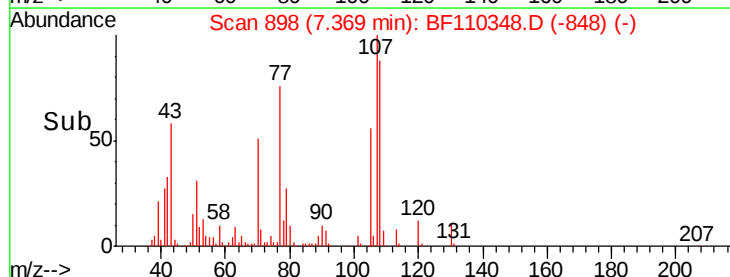
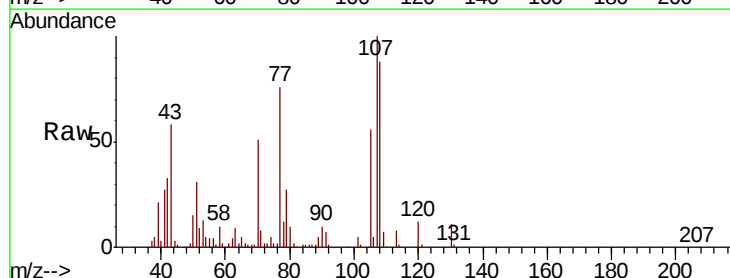
Instrument :  
BNA\_F  
ClientSampleId :

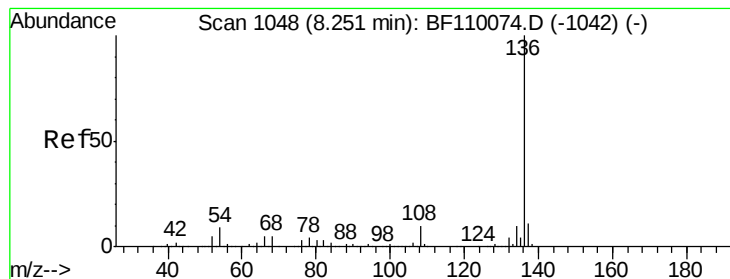
Tot Ion: 70 Resp: 138265  
Ion Ratio Lower Upper  
70 100  
42 65.3 47.4 71.2  
101 9.6 7.3 10.9  
130 22.3 16.2 24.2



#20  
3+4-Methylphenols  
Concen: 39.662 ng  
RT: 7.37 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:107 Resp: 214720  
Ion Ratio Lower Upper  
107 100  
108 87.6 71.4 111.4  
77 75.9 47.3 87.3  
79 26.7 10.9 50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 286994

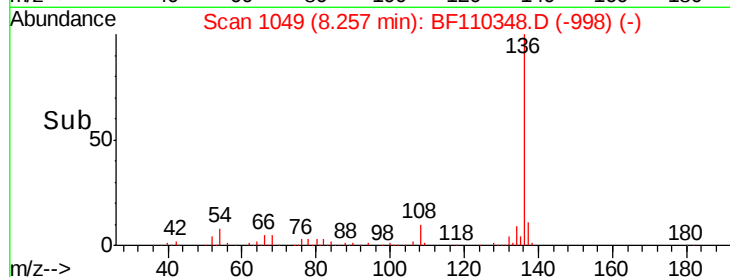
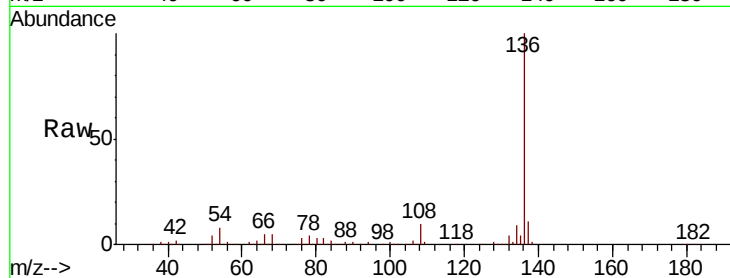
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.6 5.4 8.2

68 4.8 4.2 6.2

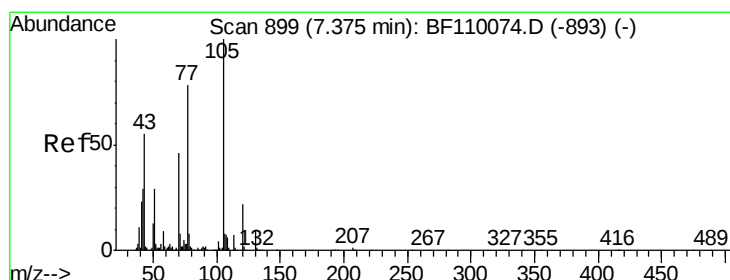
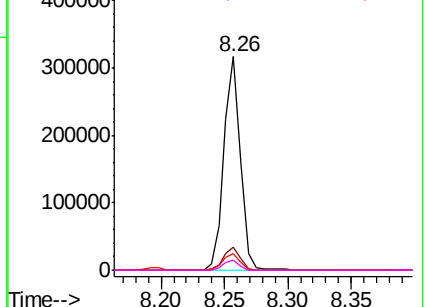


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.736 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Tgt Ion:105 Resp: 282612

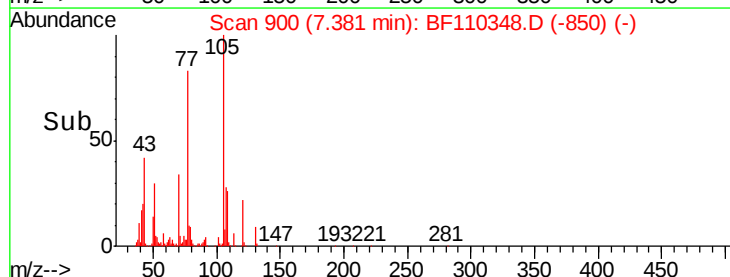
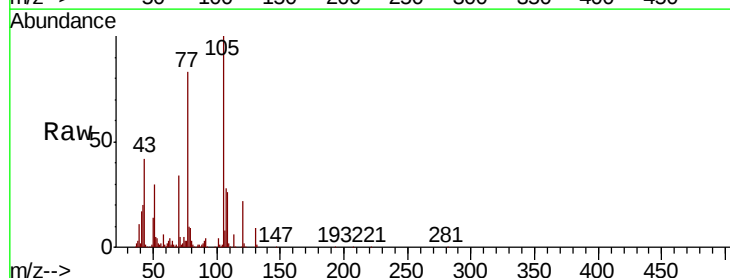
Ion Ratio Lower Upper

105 100

71 5.2 5.2 7.8

51 30.4 21.8 32.8

120 22.3 17.0 25.4

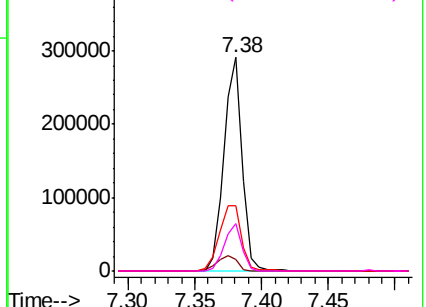


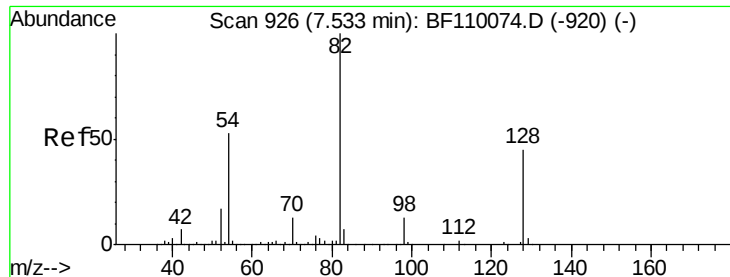
Abundance Ion 105.00 (104.70 to 105.70): E

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

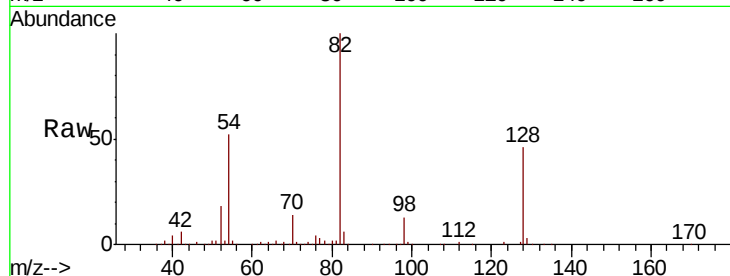




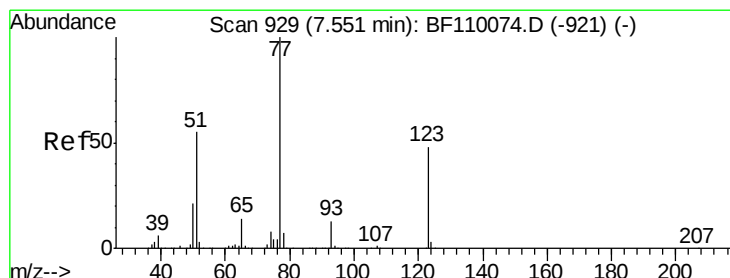
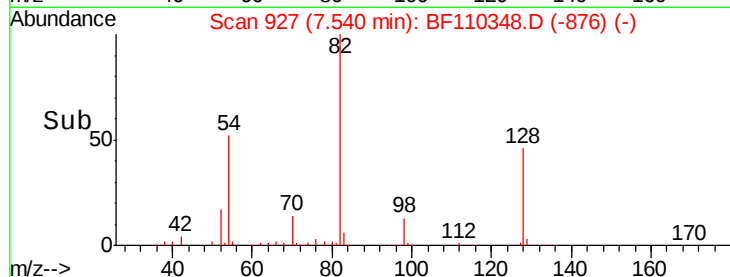
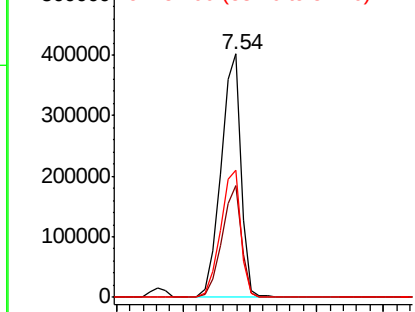
#23  
Nitrobenzene-d5  
Concen: 87.990 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 425749 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.0  | 34.2  | 51.2   |
| 54        | 52.1  | 38.6  | 58.0   |

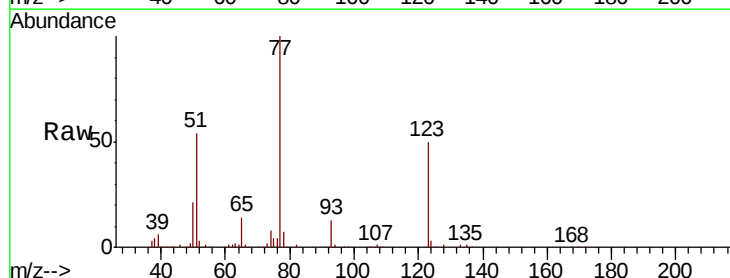


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

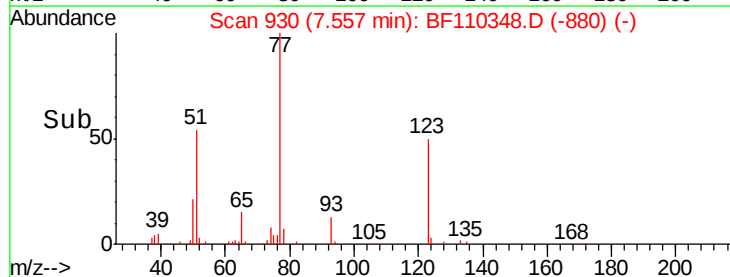
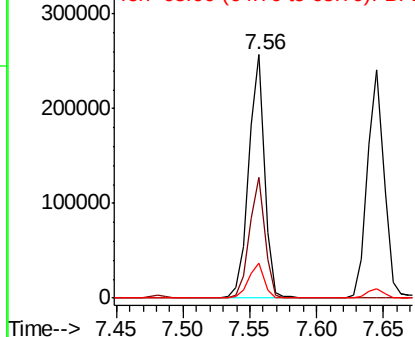


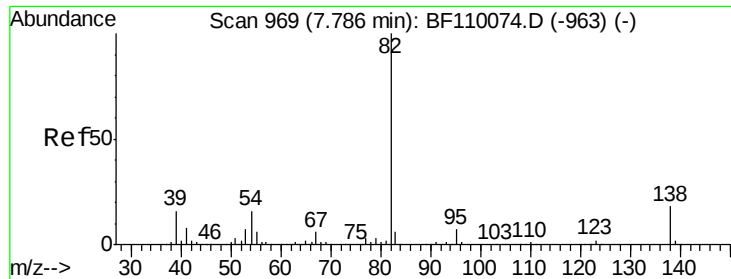
#24  
Nitrobenzene  
Concen: 41.270 ng  
RT: 7.56 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

| Tgt Ion   | 77    | Resp  | 206166 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 49.6  | 35.7  | 53.5   |
| 65        | 14.4  | 10.7  | 16.1   |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 45.407 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampled :

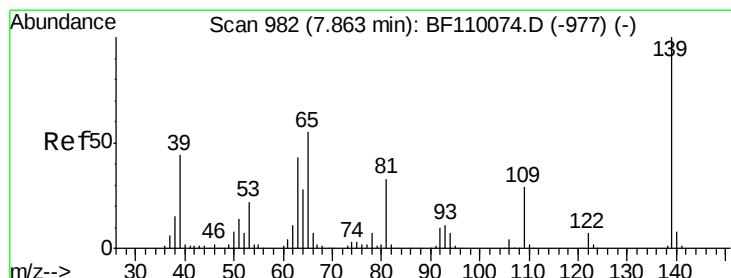
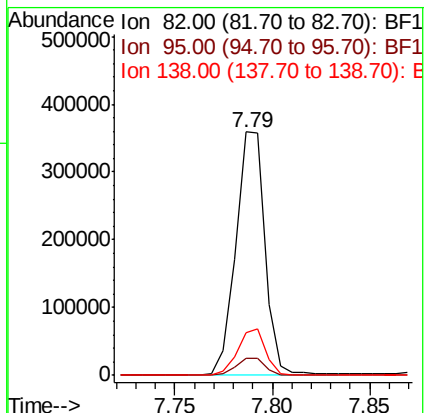
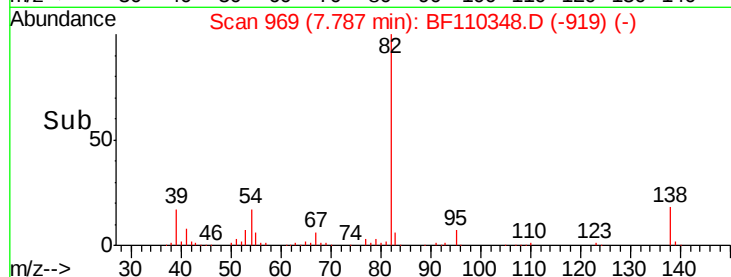
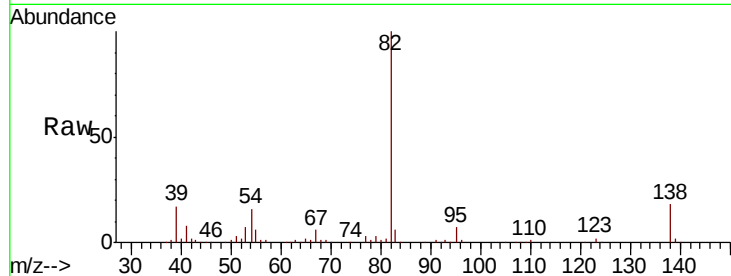
Tot Ion: 82 Resp: 374512

Ion Ratio Lower Upper

82 100

95 7.2 5.7 8.5

138 17.7 13.2 19.8



#26

2-Nitrophenol

Concen: 40.102 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

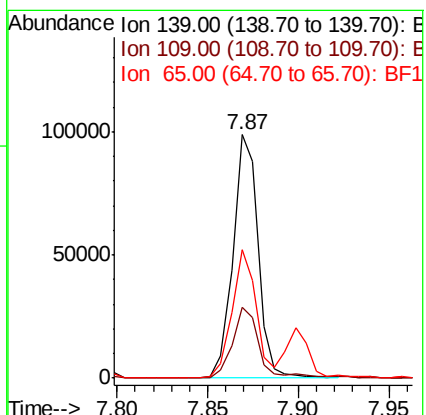
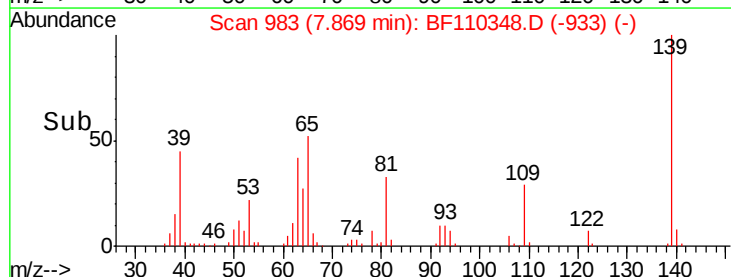
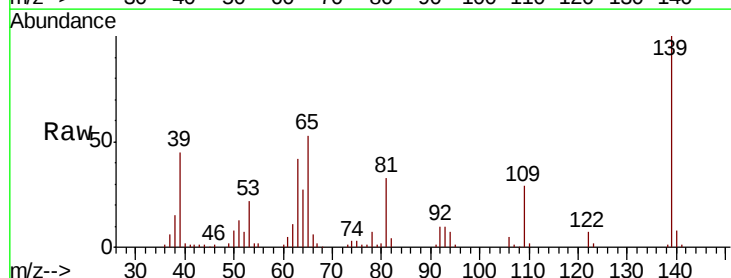
Tgt Ion: 139 Resp: 95330

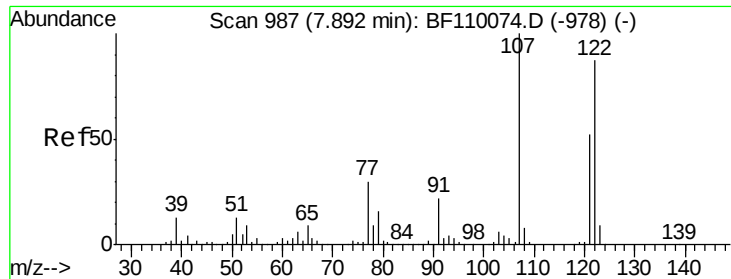
Ion Ratio Lower Upper

139 100

109 29.3 25.0 37.6

65 52.6 44.0 66.0

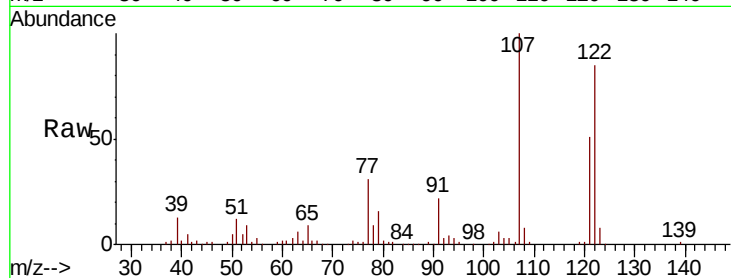




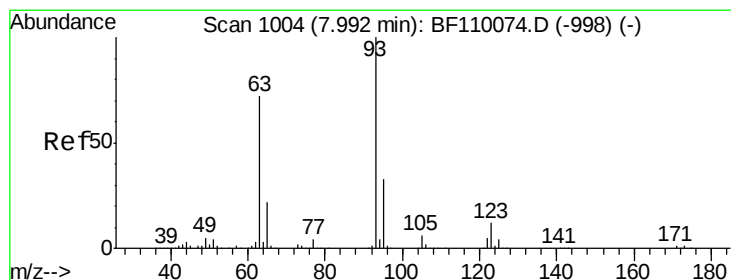
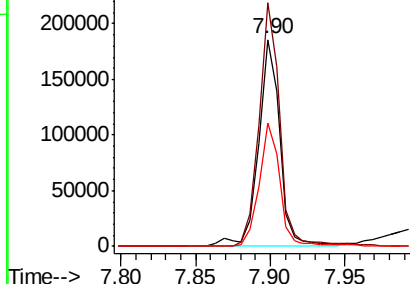
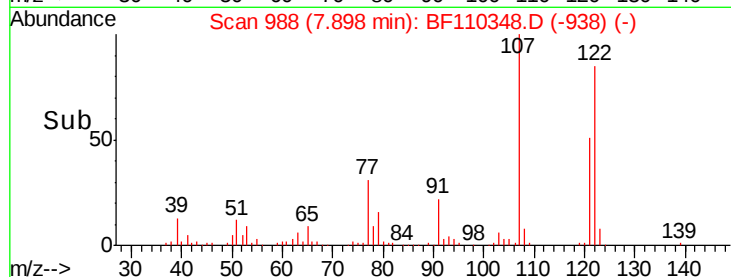
#27  
2,4-Dimethylphenol  
Concen: 46.096 ng  
RT: 7.90 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:122 Resp: 181677  
Ion Ratio Lower Upper  
122 100  
107 117.8 92.5 138.7  
121 59.8 45.8 68.8

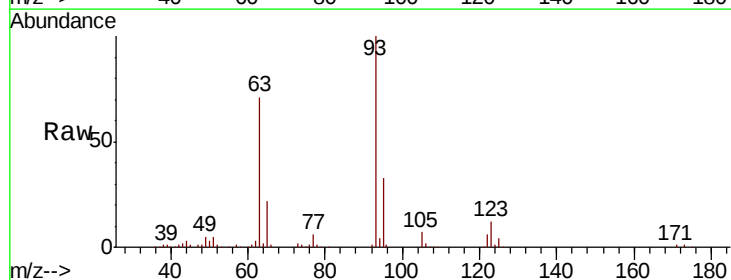


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

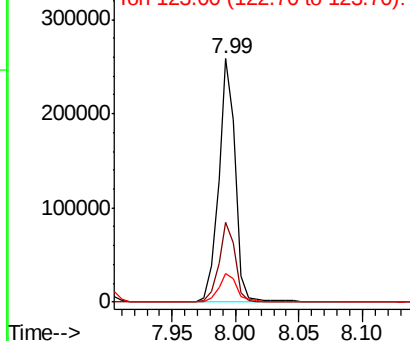
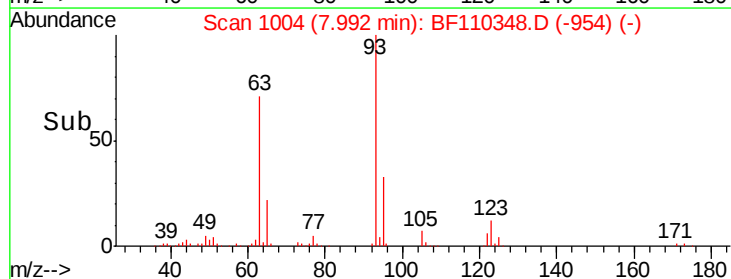


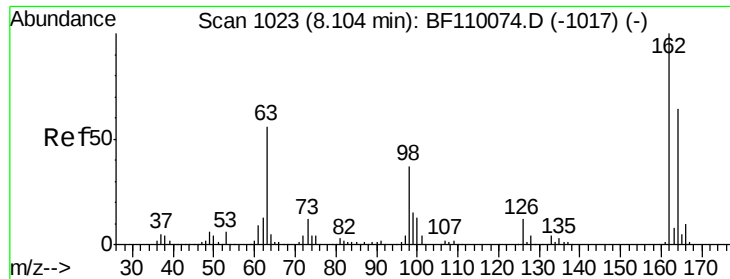
#28  
bis(2-Chloroethoxy)methane  
Concen: 42.274 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion: 93 Resp: 236864  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.4 39.6  
123 11.9 9.0 13.6



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 123.00 (122.70 to 123.70): E

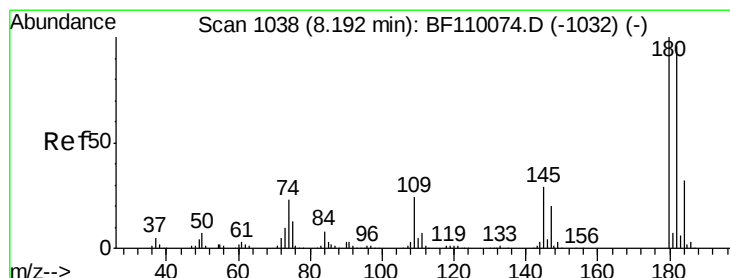
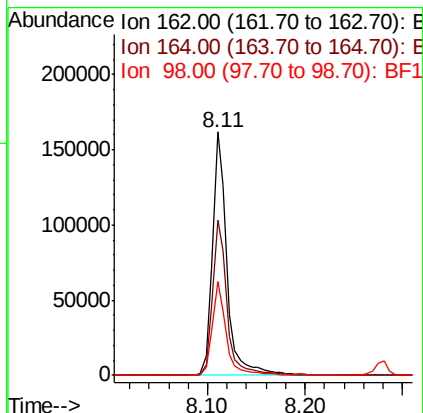
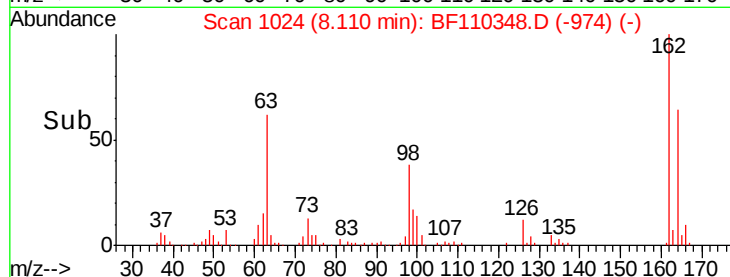
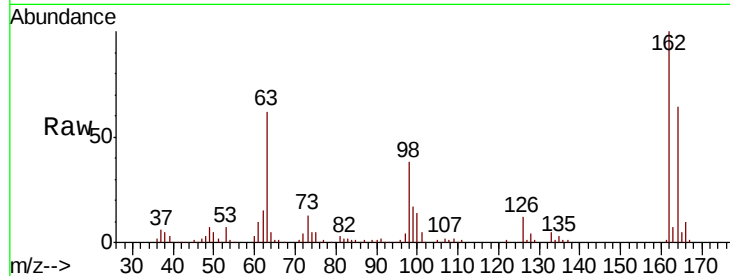




#29  
2,4-Dichlorophenol  
Concen: 41.709 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

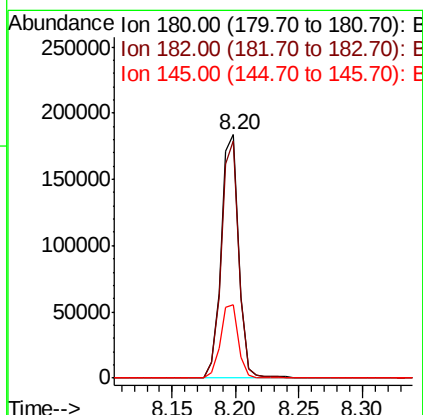
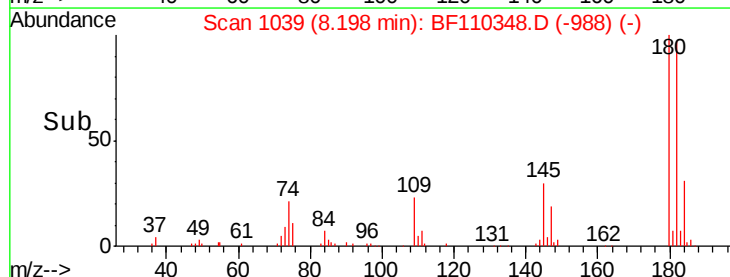
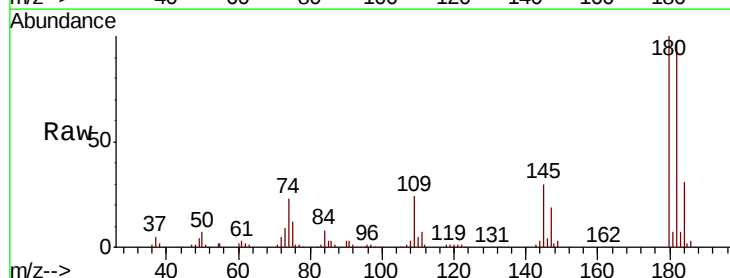
Instrument :  
BNA\_F  
ClientSampleId :

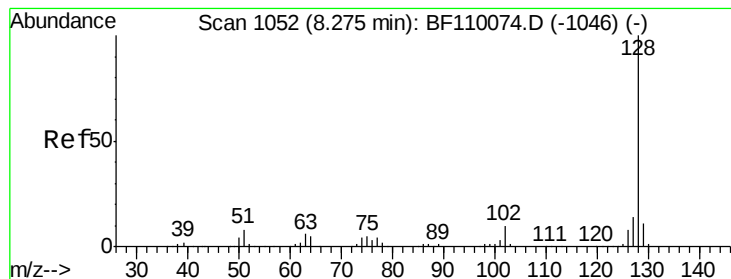
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 44.6  | 84.6  |
| 98      | 38.3  | 17.4  | 57.4  |



#30  
1,2,4-Trichlorobenzene  
Concen: 40.275 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.4  | 80.3  | 120.5 |
| 145     | 29.9  | 25.4  | 38.0  |





#31

Naphthalene

Concen: 44.039 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

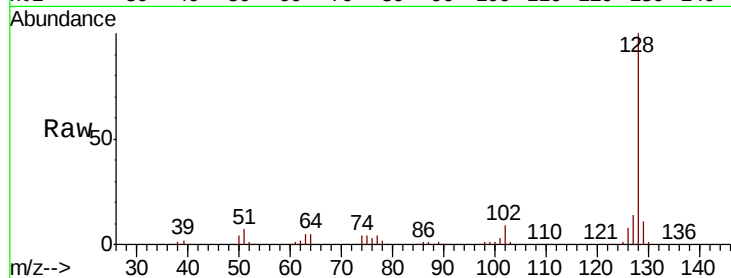
Tot Ion:128 Resp: 582517

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

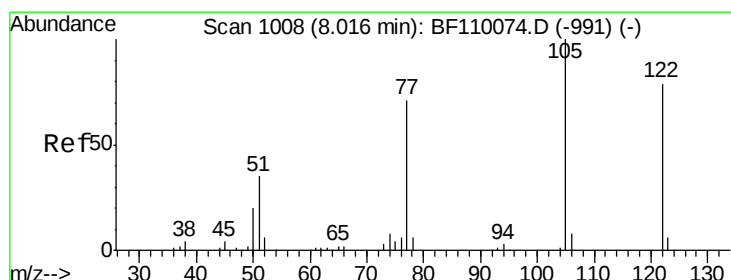
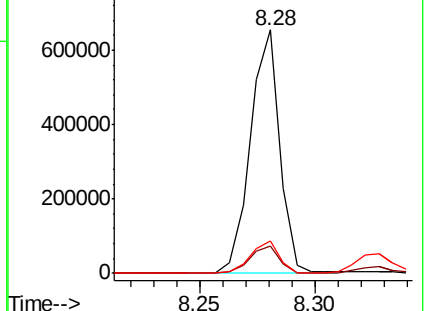
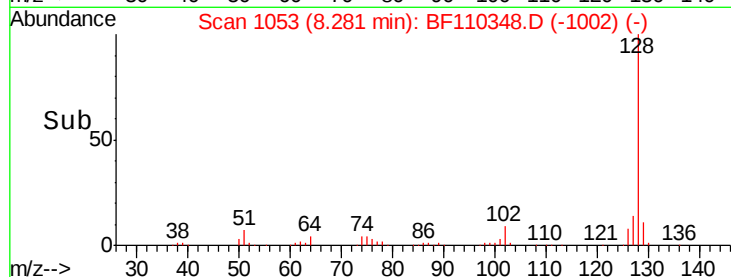
127 13.6 10.8 16.2



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: 21.363 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

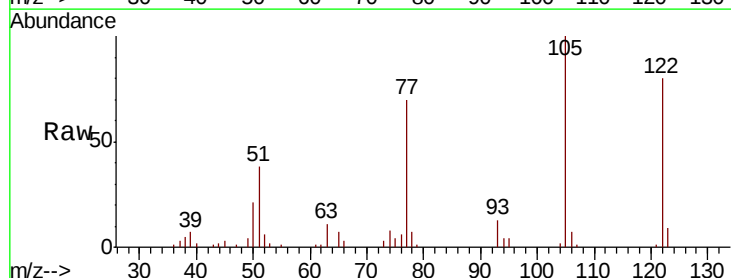
Tgt Ion:122 Resp: 65074

Ion Ratio Lower Upper

122 100

105 124.7 109.0 149.0

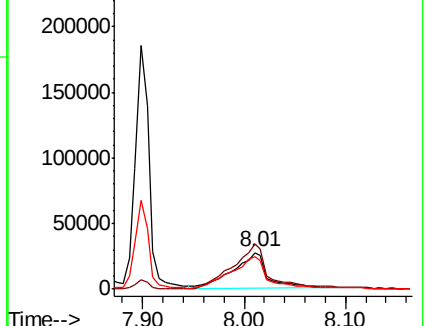
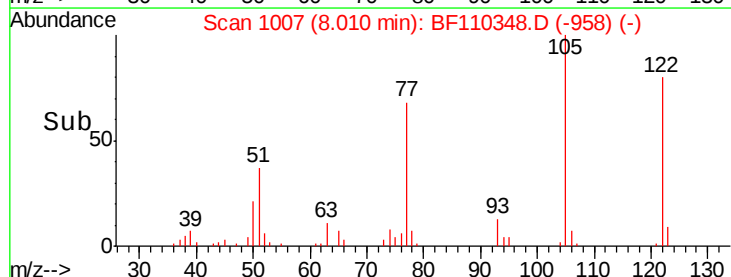
77 87.9 79.0 119.0

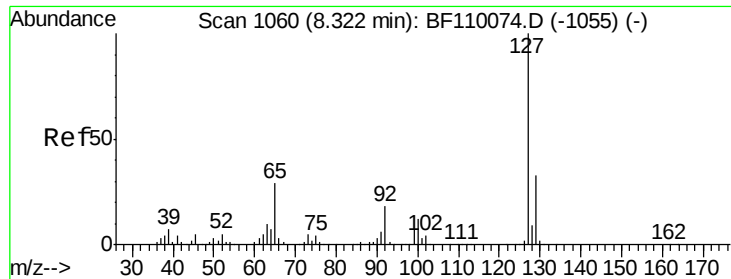


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

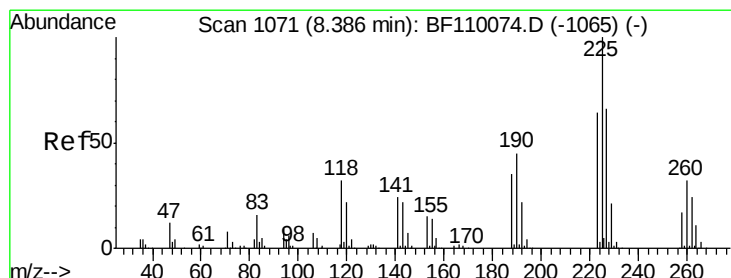
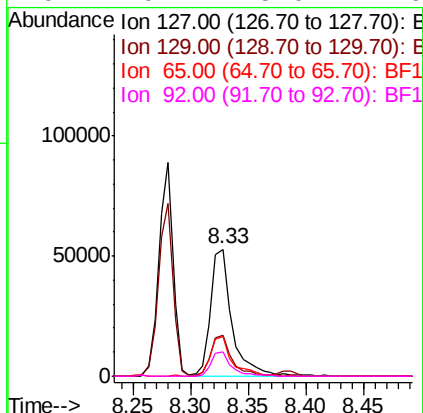
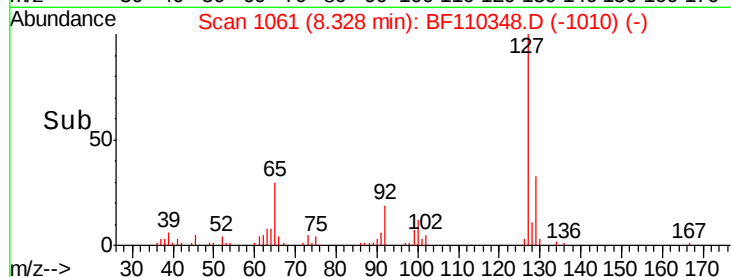
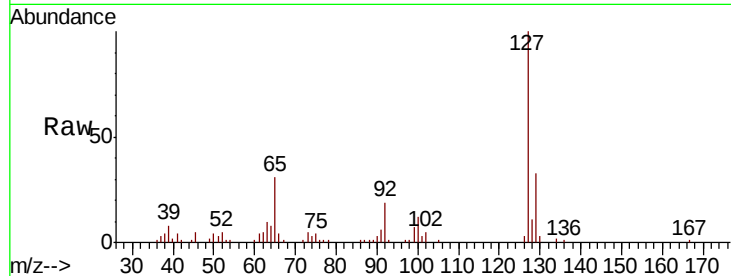




#33  
4-Chloroaniline  
Concen: 11.453 ng  
RT: 8.33 min Scan# 1061  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

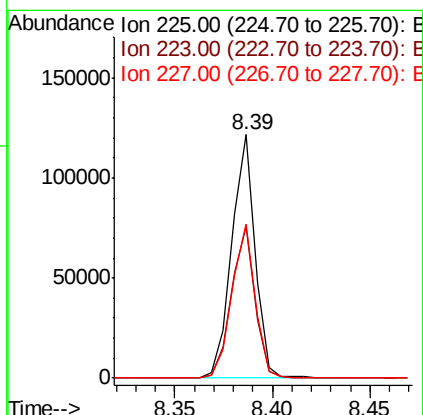
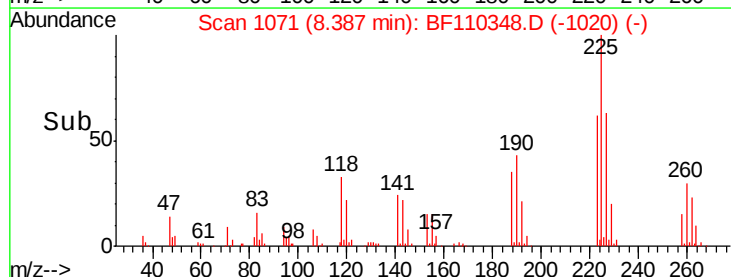
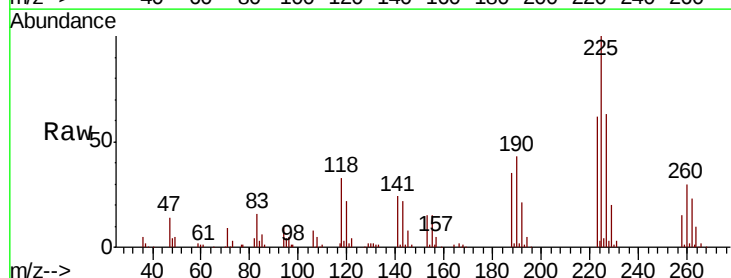
Instrument :  
BNA\_F  
ClientSampleId :

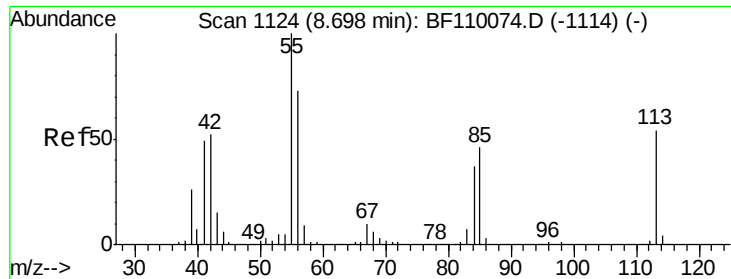
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 68177 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.8  | 26.0  | 39.0  |
| 65       | 31.0  | 25.1  | 37.7  |
| 92       | 19.1  | 15.0  | 22.6  |



#34  
Hexachlorobutadiene  
Concen: 40.700 ng  
RT: 8.39 min Scan# 1071  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 100792 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.3  | 51.4  | 77.2   |
| 227      | 63.0  | 51.0  | 76.6   |

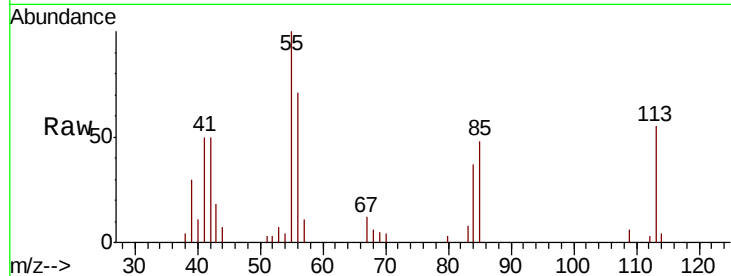




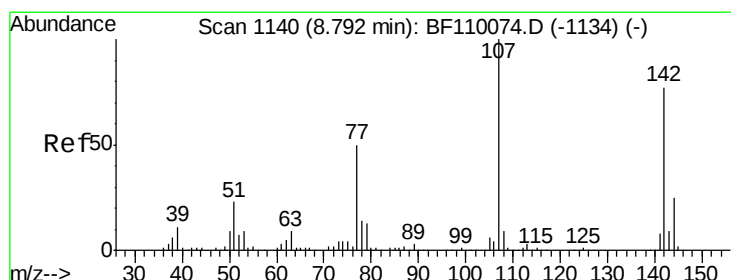
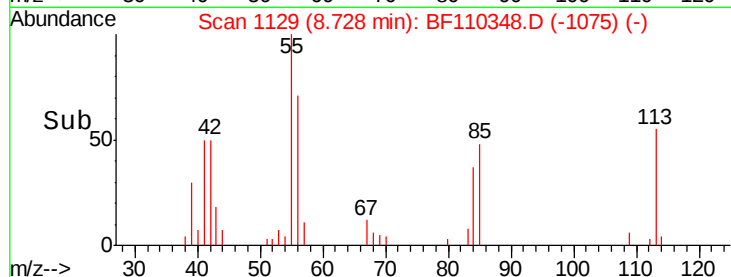
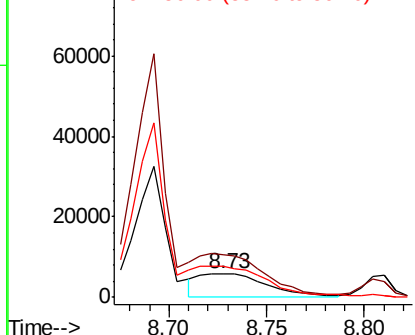
#35  
Caprolactam  
Concen: 10.441 ng  
RT: 8.73 min Scan# 1129  
Delta R.T. 0.02 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 14490  
Ion Ratio Lower Upper  
113 100  
55 180.9 142.8 182.8  
56 128.0 105.0 145.0

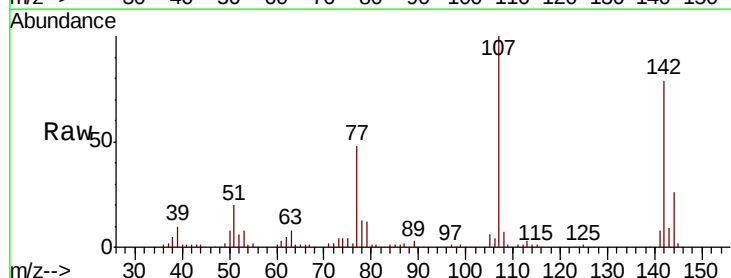


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

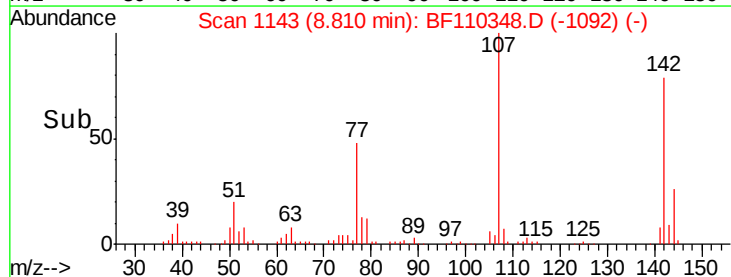
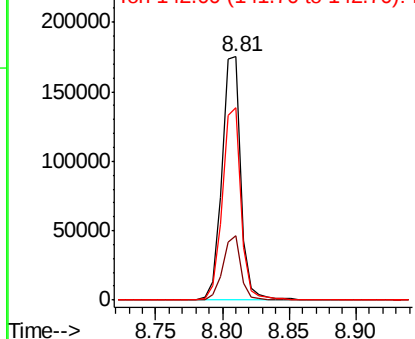


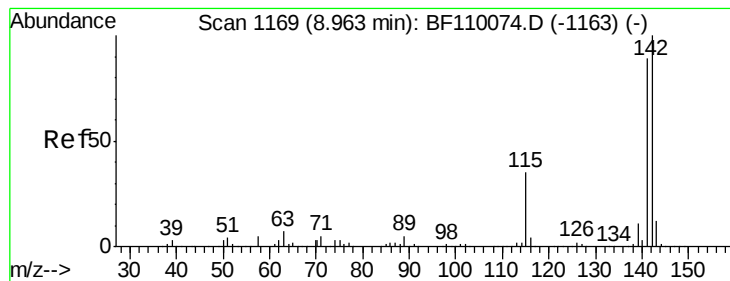
#36  
4-Chloro-3-methylphenol  
Concen: 41.077 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:107 Resp: 176869  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.0 30.0  
142 79.1 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: 44.488 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampled :

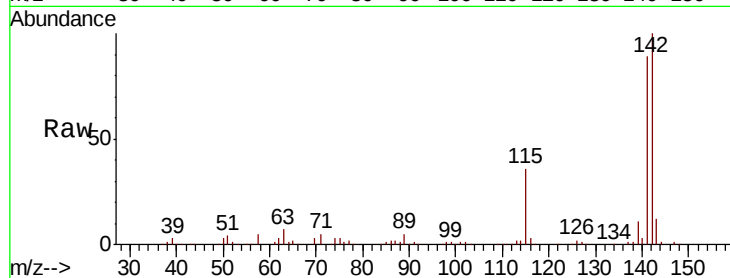
Tot Ion:142 Resp: 389341

Ion Ratio Lower Upper

142 100

141 89.0 71.4 107.2

115 35.7 28.7 43.1

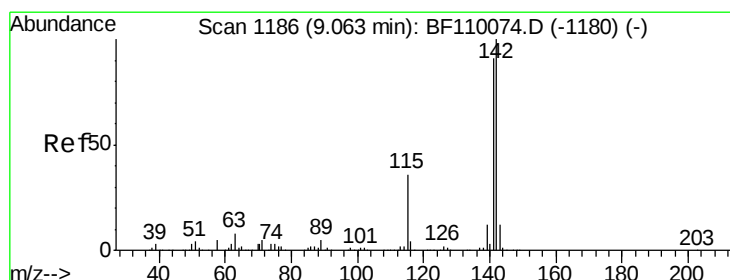
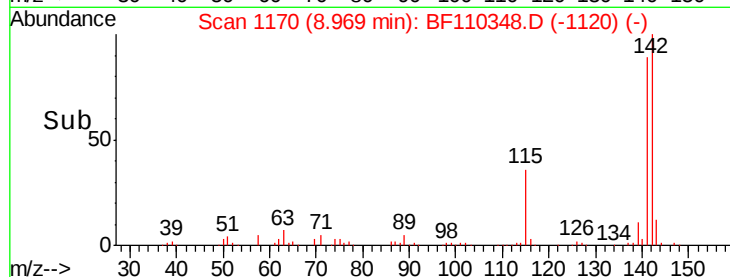
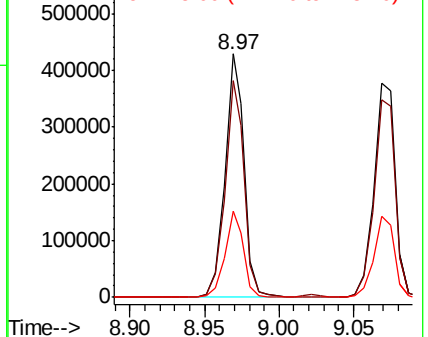


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.037 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.11 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

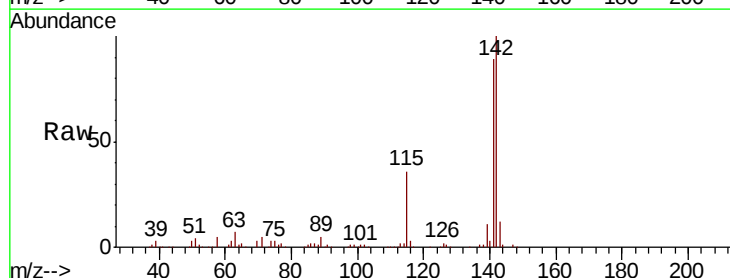
Tgt Ion:142 Resp: 389341

Ion Ratio Lower Upper

142 100

141 89.0 74.2 111.4

116 3.5 2.6 4.0

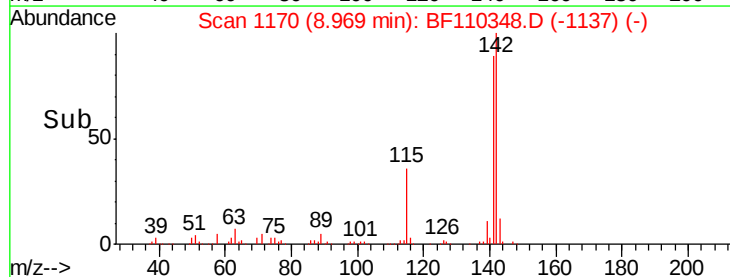
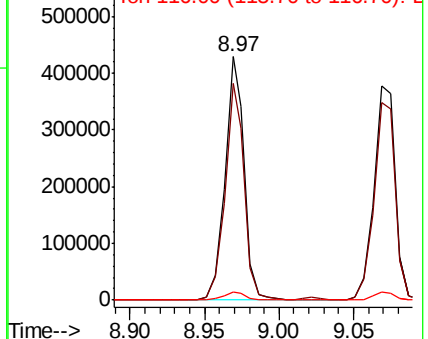


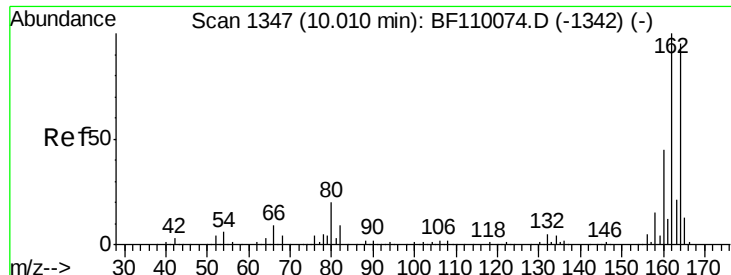
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

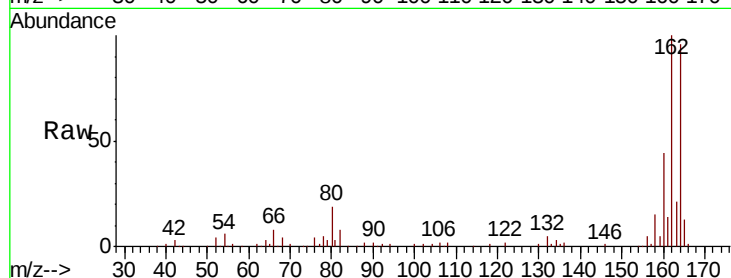
Tot Ion:164 Resp: 126696

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

160 45.2 37.0 55.6

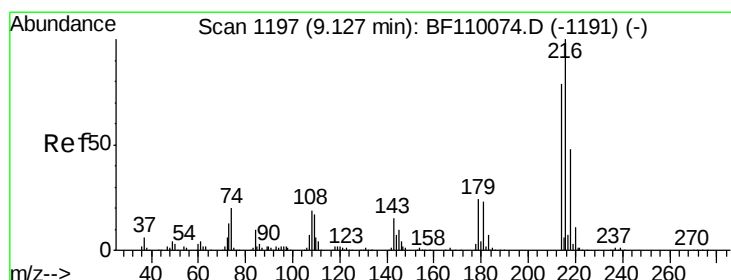
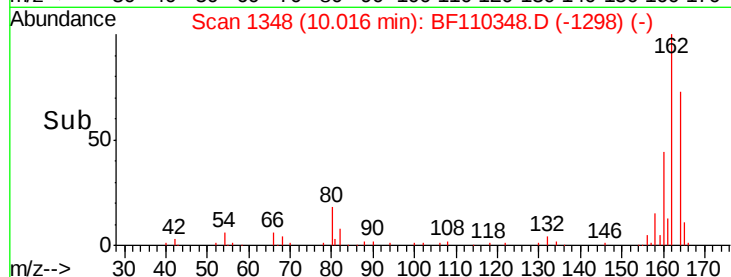
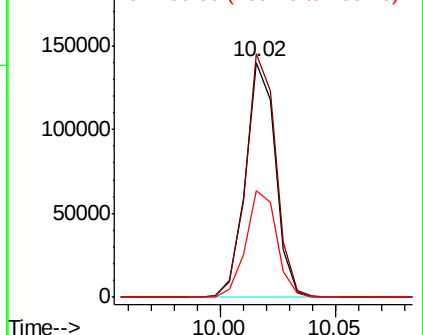


Abundance

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: 42.400 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Tgt Ion:216 Resp: 167376

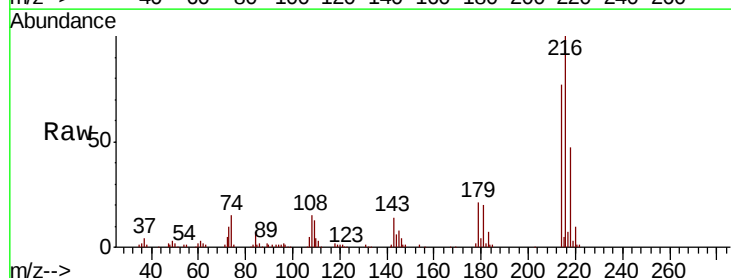
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.6

179 22.6 16.6 25.0

108 18.6 15.1 22.7



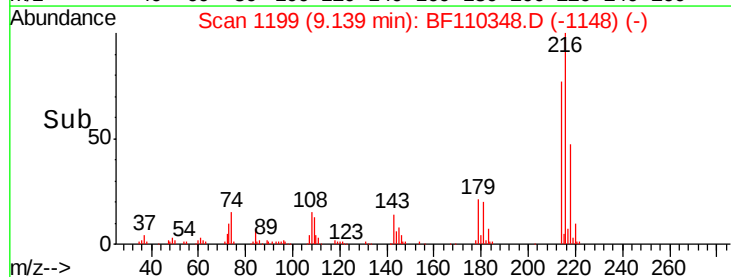
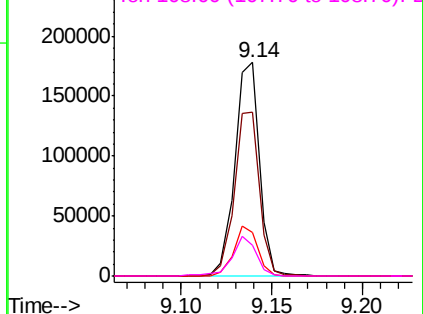
Abundance

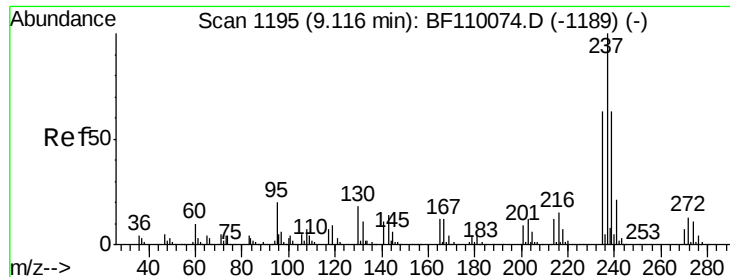
Ion 216.00 (215.70 to 216.70): E

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: 18.409 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampled :

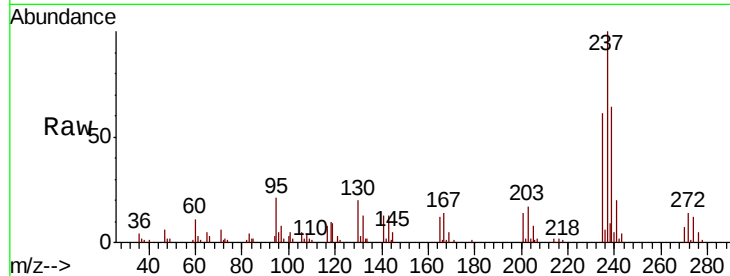
Tot Ion:237 Resp: 37160

Ion Ratio Lower Upper

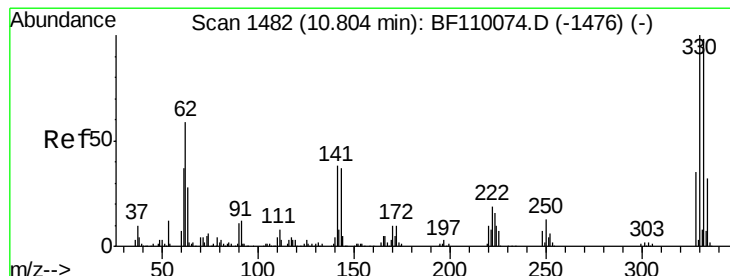
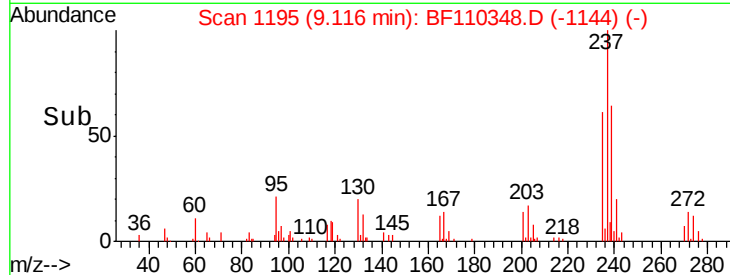
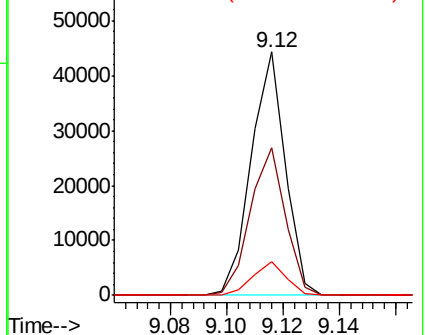
237 100

235 60.7 43.1 83.1

272 14.0 0.0 32.6



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



#42

2,4,6-Tribromophenol

Concen: 80.975 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

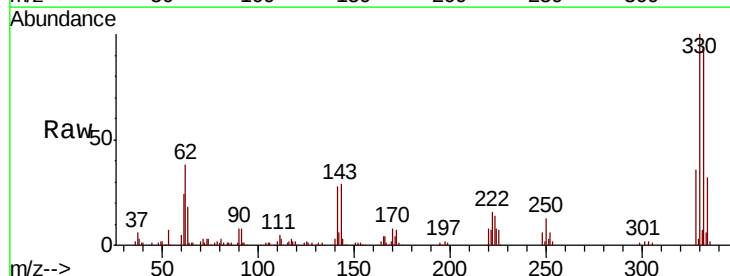
Tgt Ion:330 Resp: 101624

Ion Ratio Lower Upper

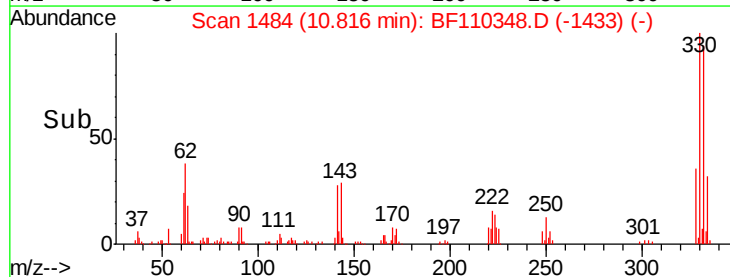
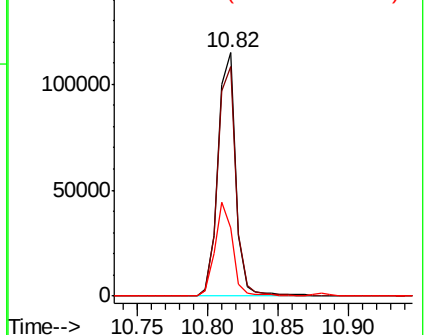
330 100

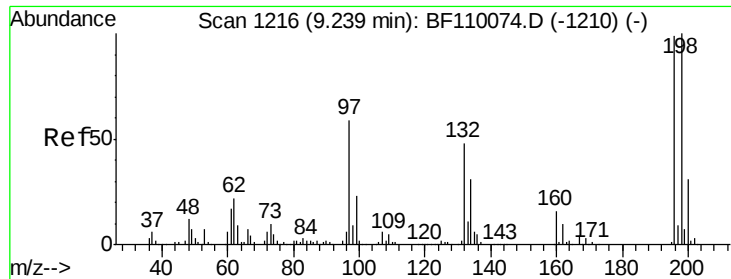
332 96.6 77.1 115.7

141 37.7 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

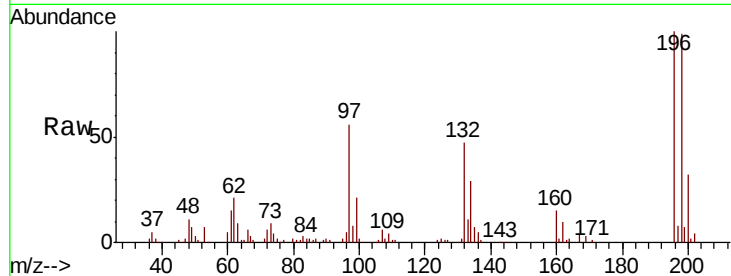




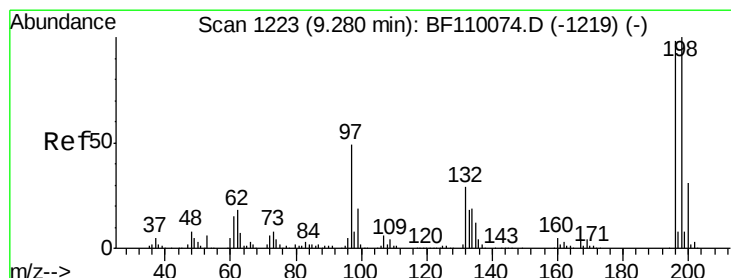
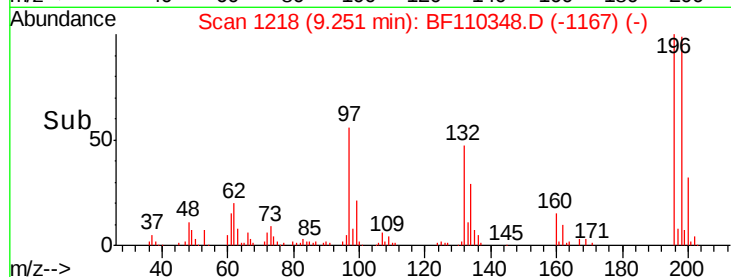
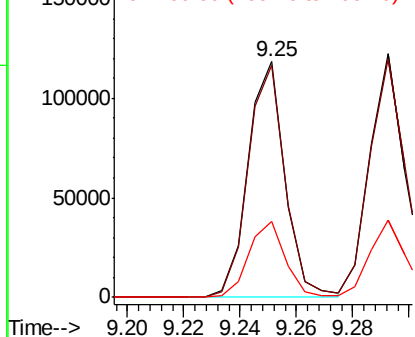
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.228 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 107520  
 Ion Ratio Lower Upper  
 196 100  
 198 98.6 76.2 114.4  
 200 32.2 24.4 36.6

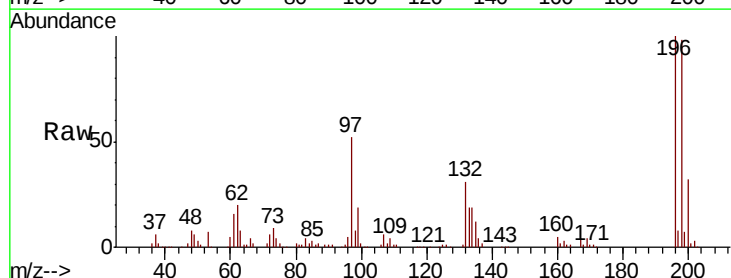


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

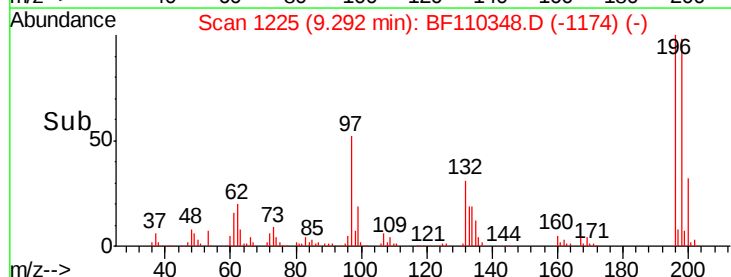
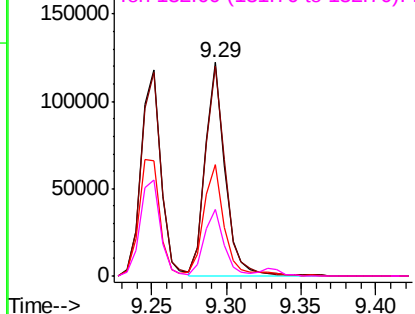


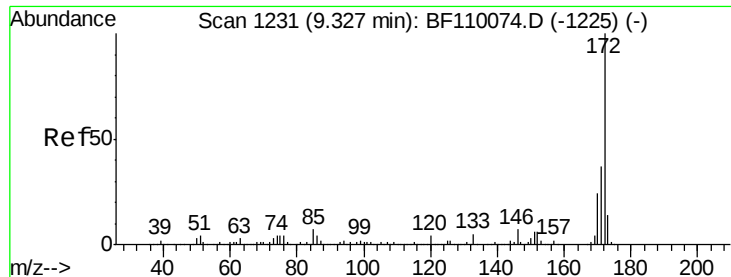
#44  
 2,4,5-Trichlorophenol  
 Concen: 41.912 ng  
 RT: 9.29 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Tgt Ion:196 Resp: 112801  
 Ion Ratio Lower Upper  
 196 100  
 198 98.2 75.8 113.6  
 97 52.1 42.4 63.6  
 132 31.2 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

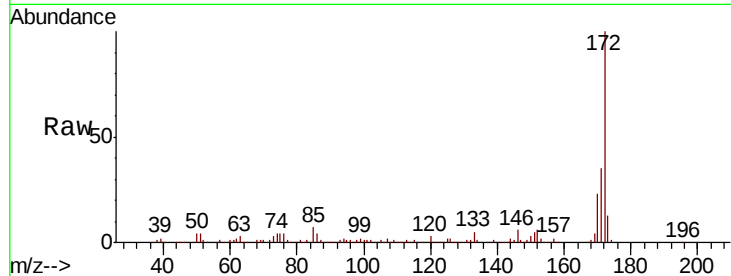




#45  
 2-Fluorobiphenyl  
 Concen: 97.474 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.6  | 43.0  |
| 170     | 23.1  | 19.7  | 29.5  |

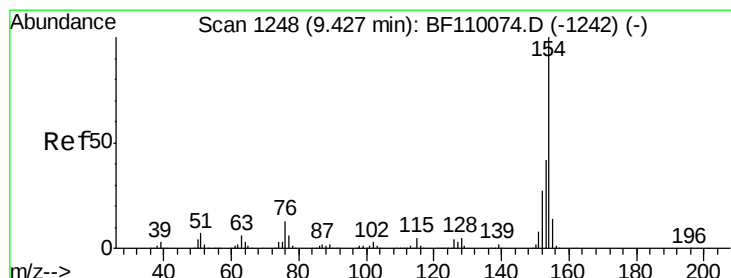
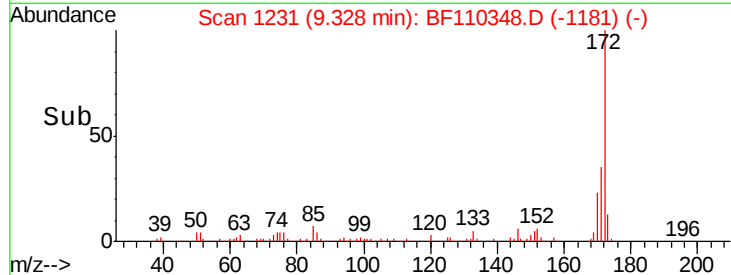
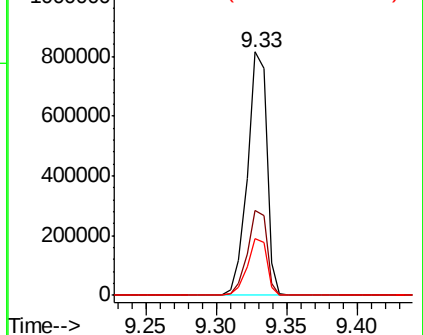


Abundance

Ion 172.00 (171.70 to 172.70): E

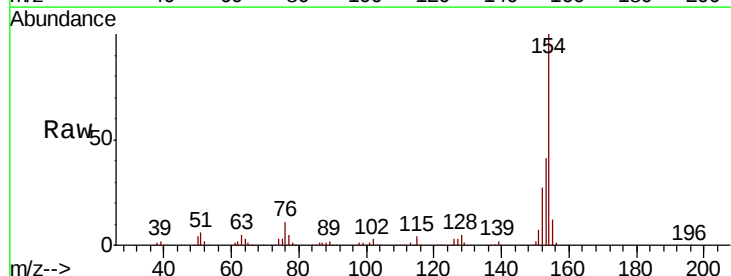
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
 1,1'-Biphenyl  
 Concen: 41.531 ng  
 RT: 9.43 min Scan# 1249  
 Delta R.T. -0.01 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.8  | 20.4  | 60.4  |
| 76      | 11.1  | 0.0   | 31.9  |

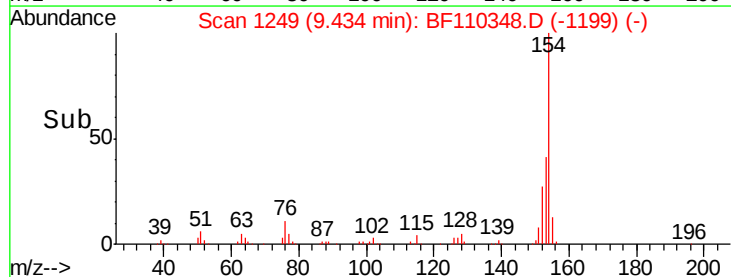
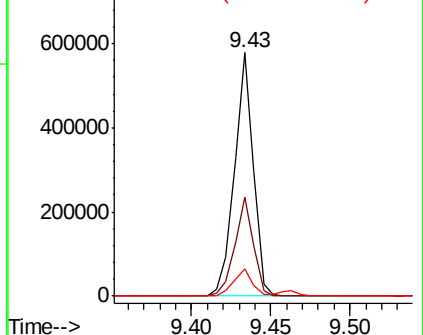


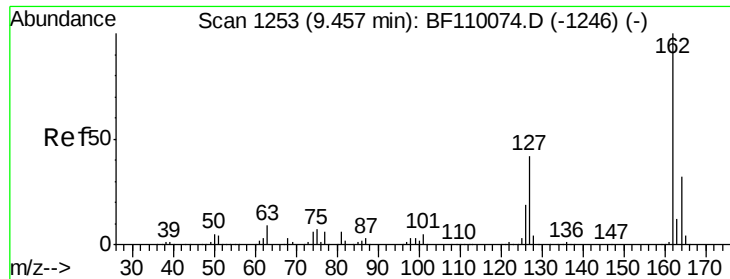
Abundance

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

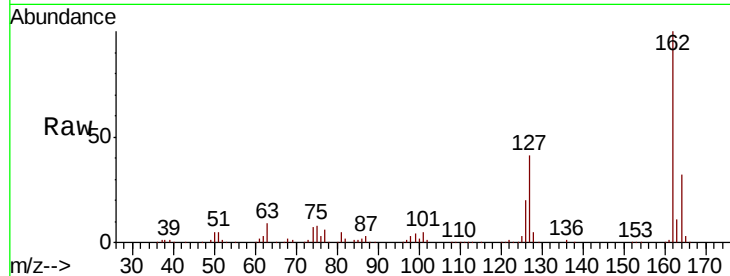




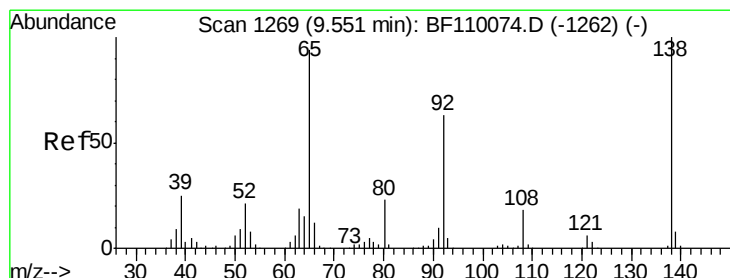
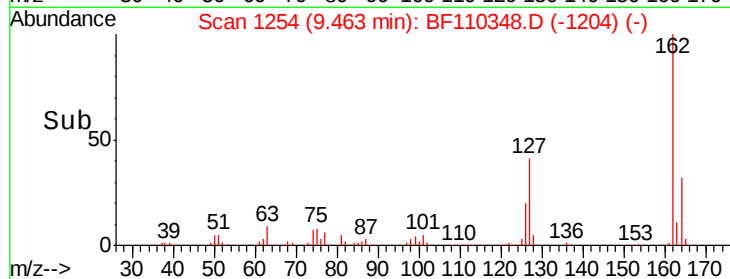
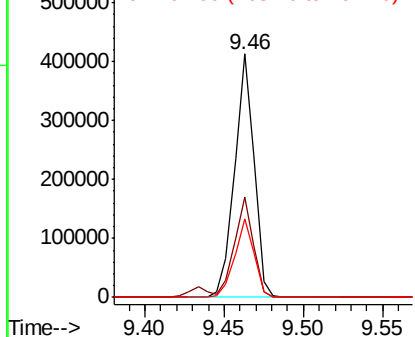
#47  
 2-Chloronaphthalene  
 Concen: 42.046 ng  
 RT: 9.46 min Scan# 1254  
 Delta R.T. -0.01 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.1  | 32.6  | 48.8  |
| 164     | 32.1  | 25.9  | 38.9  |

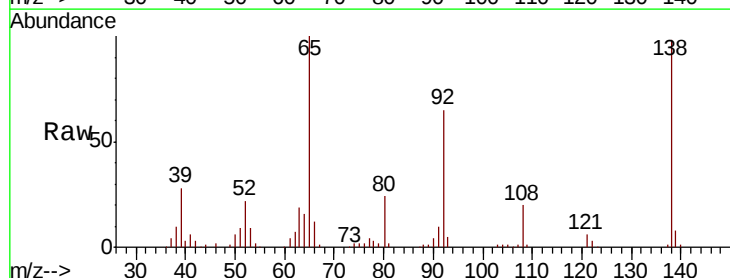


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

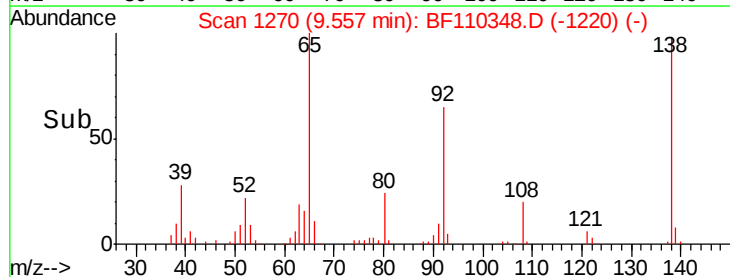
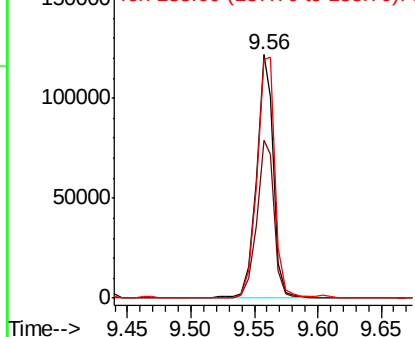


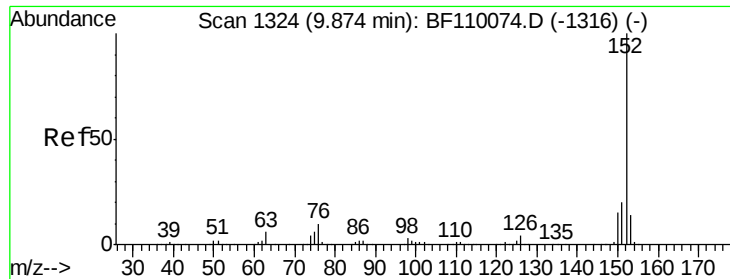
#48  
 2-Nitroaniline  
 Concen: 45.218 ng  
 RT: 9.56 min Scan# 1270  
 Delta R.T. -0.01 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.9  | 54.6  | 81.8  |
| 138     | 98.2  | 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: 45.121 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

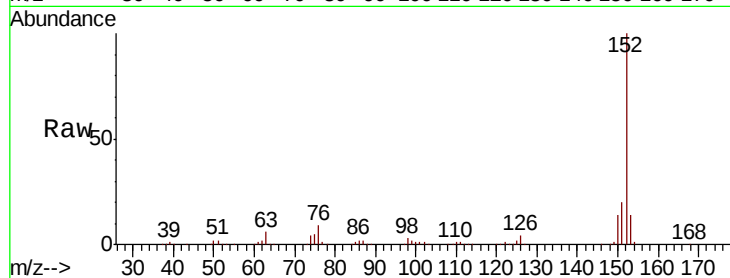
Tot Ion:152 Resp: 547696

Ion Ratio Lower Upper

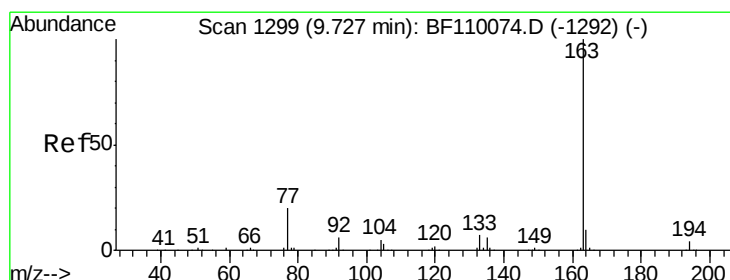
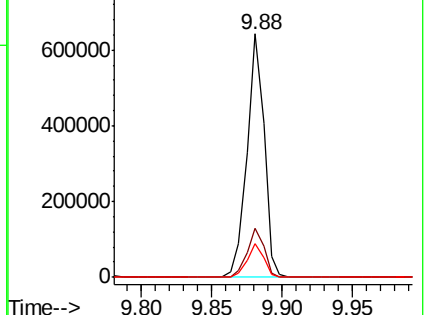
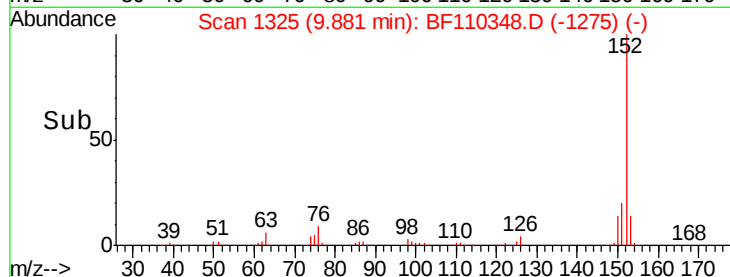
152 100

151 20.0 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: 45.383 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

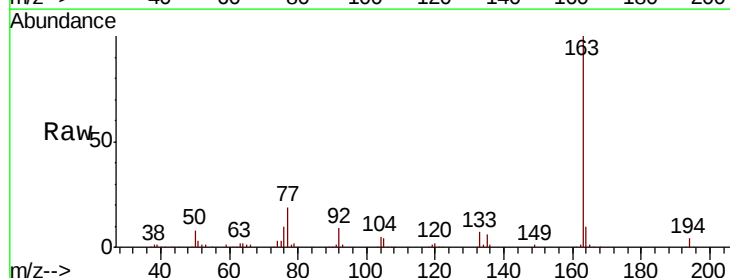
Tgt Ion:163 Resp: 424441

Ion Ratio Lower Upper

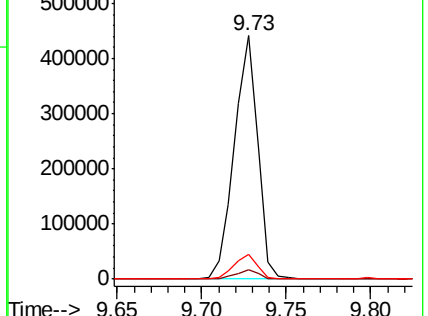
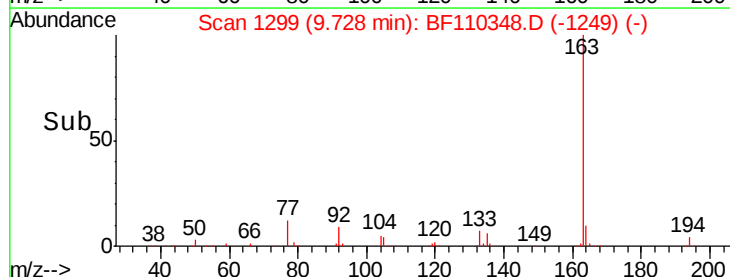
163 100

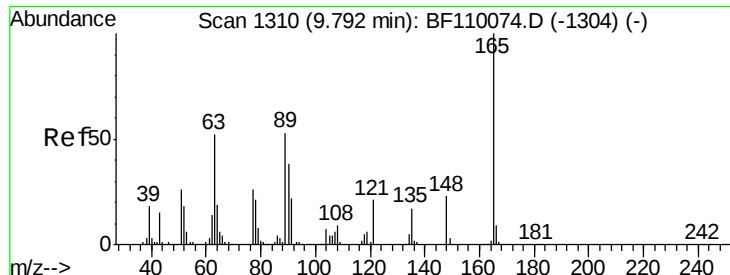
194 3.6 3.2 4.8

164 10.2 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

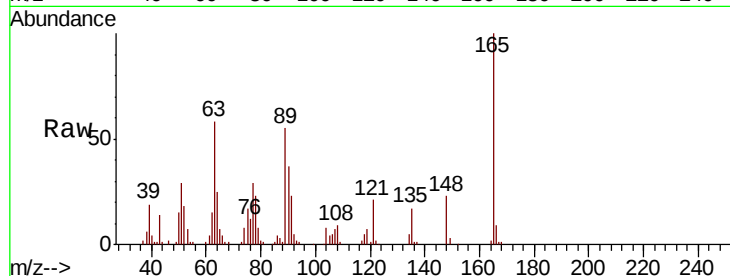




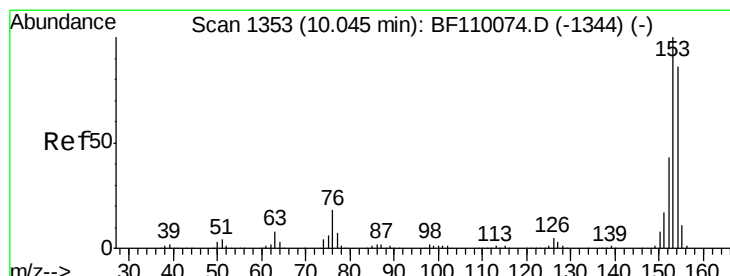
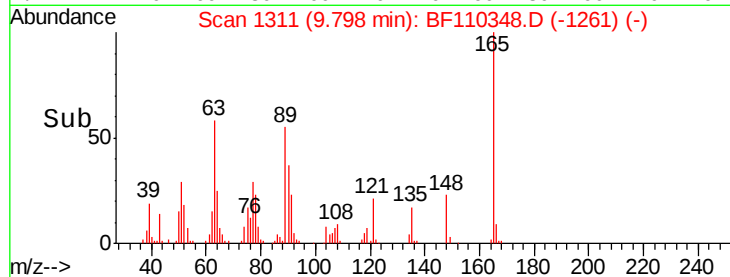
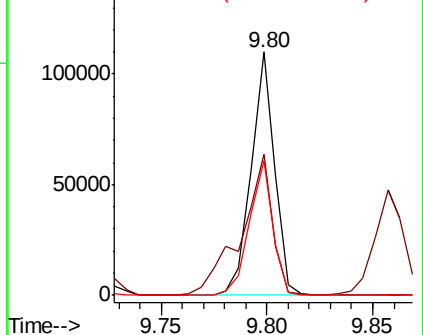
#51  
2,6-Dinitrotoluene  
Concen: 42.322 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:165 Resp: 85260  
Ion Ratio Lower Upper  
165 100  
63 58.1 48.9 73.3  
89 55.1 46.6 69.8

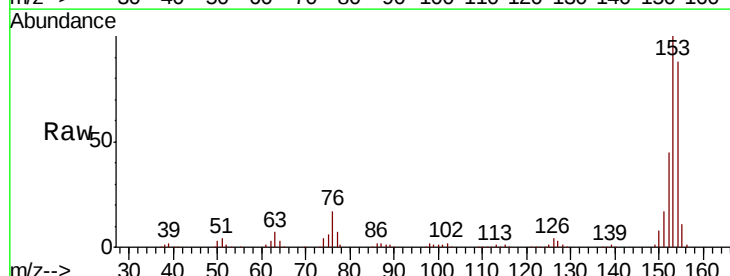


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

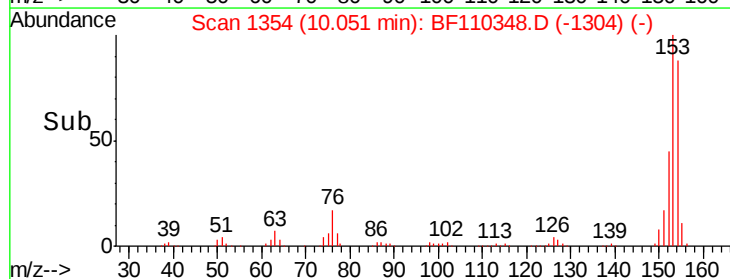
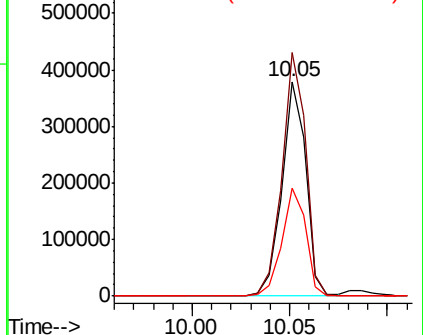


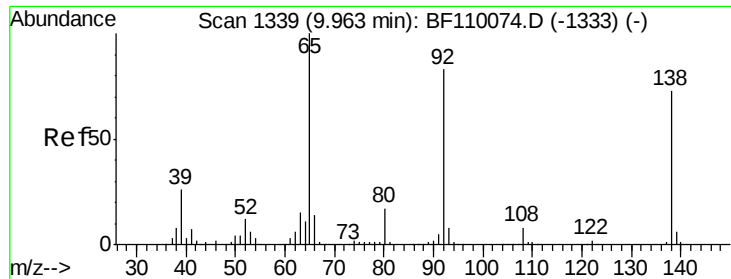
#52  
Acenaphthene  
Concen: 40.156 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:154 Resp: 322461  
Ion Ratio Lower Upper  
154 100  
153 113.4 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

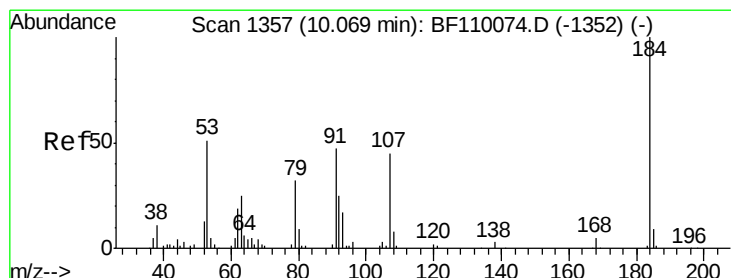
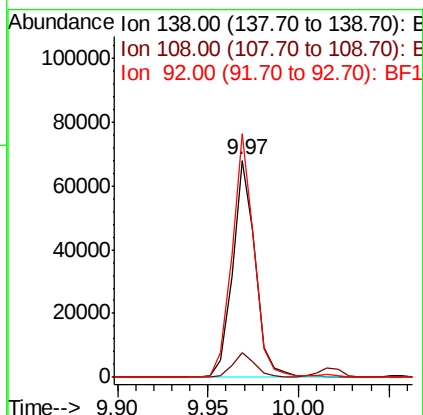
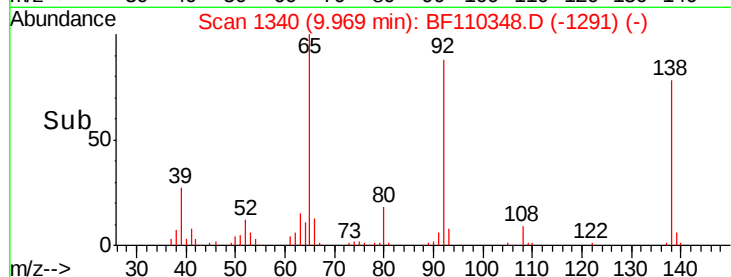
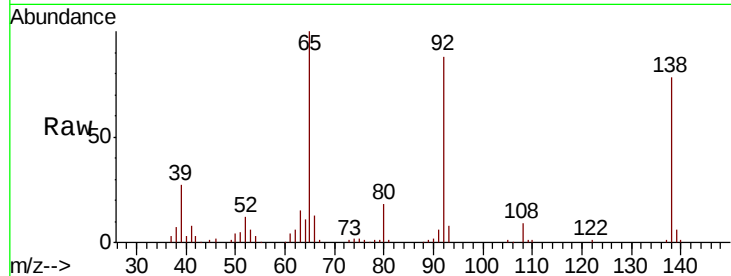




#53  
3-Nitroaniline  
Concen: 24.573 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

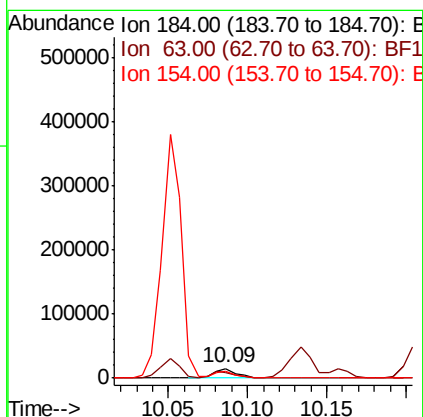
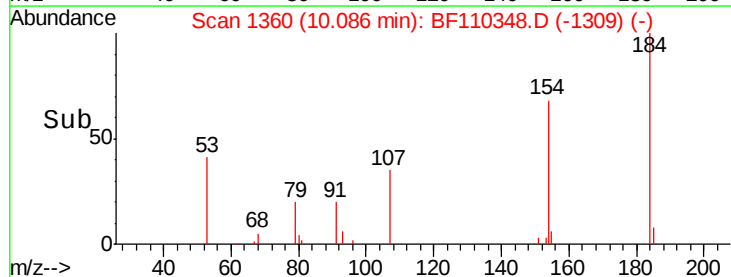
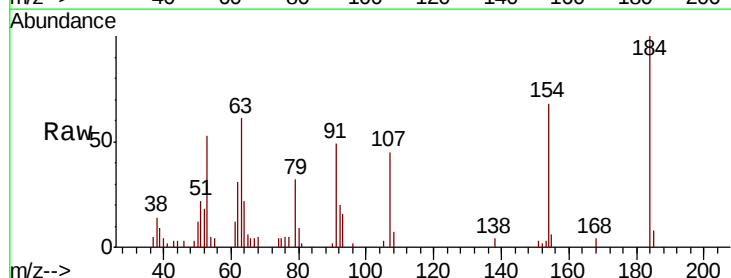
Instrument :  
BNA\_F  
ClientSampleId :

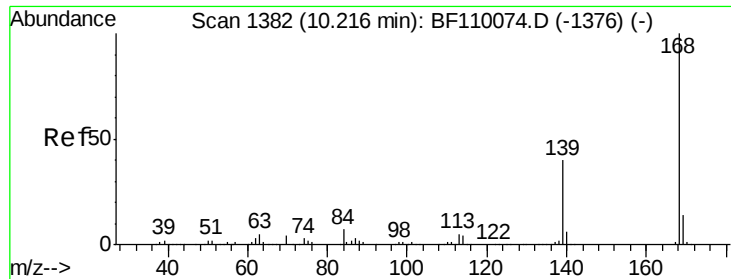
Tot Ion:138 Resp: 58870  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.7 13.1  
92 112.1 97.0 145.4



#54  
2,4-Dinitrophenol  
Concen: 23.858 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:184 Resp: 15971  
Ion Ratio Lower Upper  
184 100  
63 60.7 55.8 83.6  
154 67.6 63.2 94.8





#55

Dibenzenofuran

Concen: 41.823 ng

RT: 10.23 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

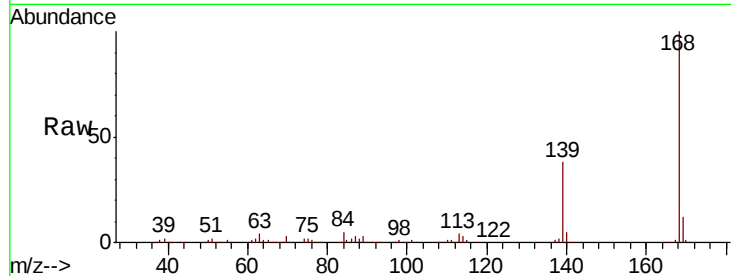
Tot Ion:168 Resp: 470213

Ion Ratio Lower Upper

168 100

139 38.5 33.0 49.6

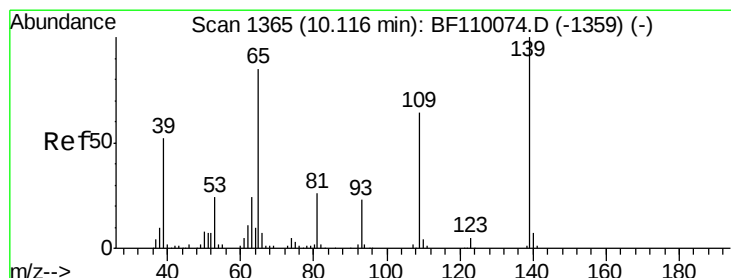
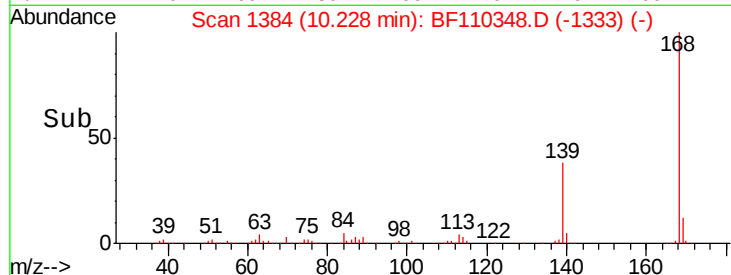
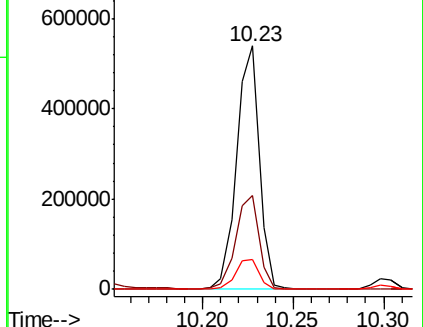
169 12.5 11.3 16.9



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: 101.730 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

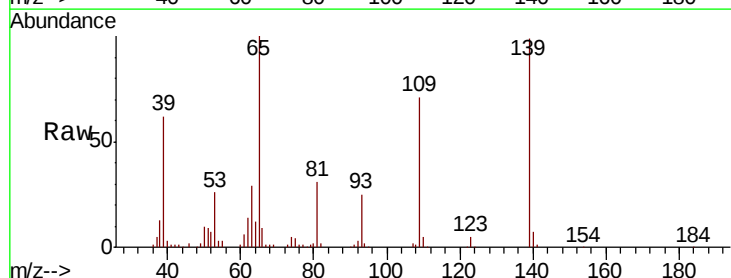
Tgt Ion:139 Resp: 180376

Ion Ratio Lower Upper

139 100

109 71.2 55.8 95.8

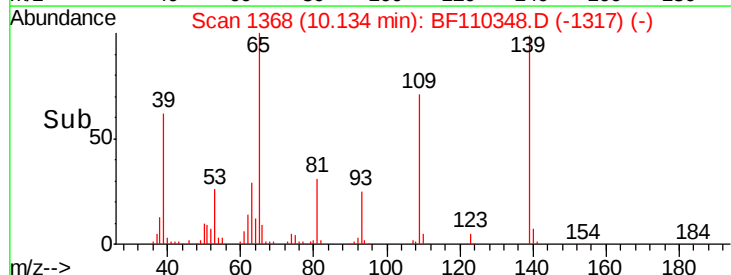
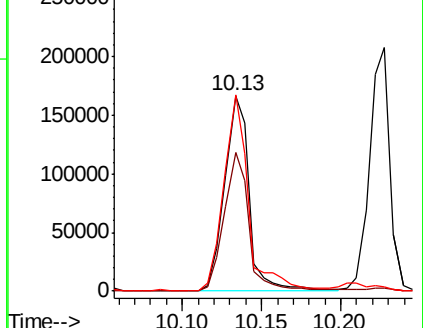
65 100.8 77.9 117.9

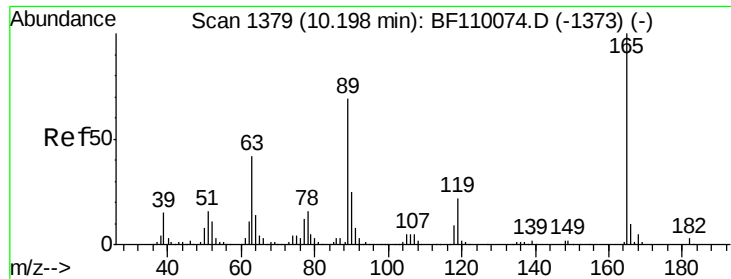


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

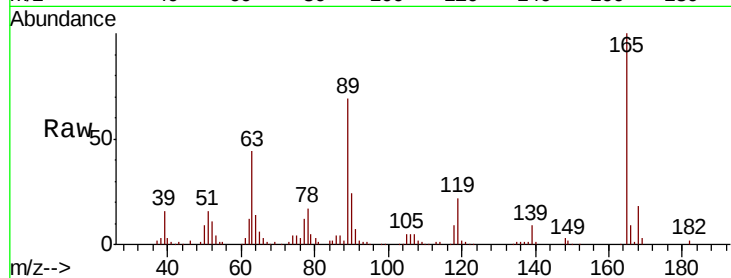




#57  
2,4-Dinitrotoluene  
Concen: 42.002 ng  
RT: 10.21 min Scan# 1381  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.3  | 44.8  | 67.2# |
| 89      | 69.3  | 62.2  | 93.4  |
| 182     | 2.3   | 2.1   | 3.1   |



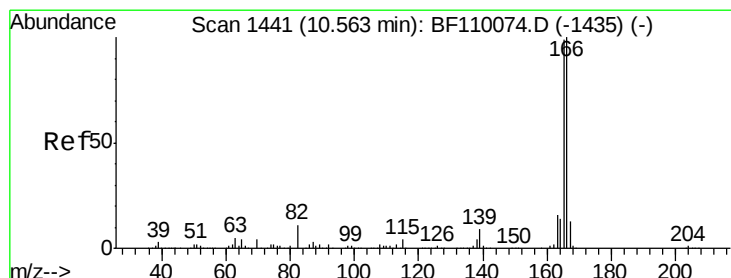
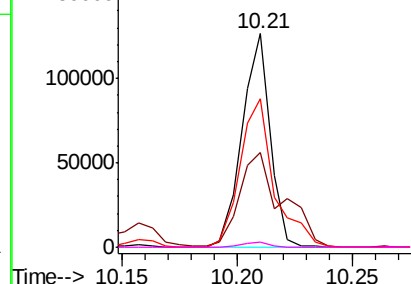
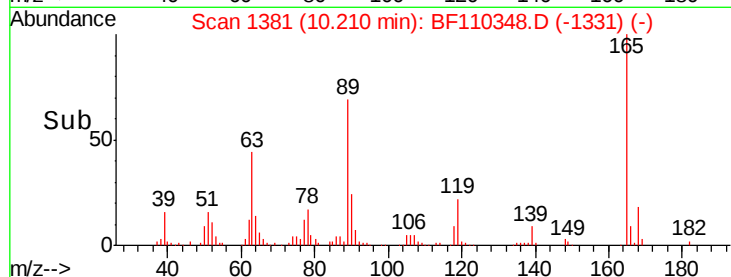
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

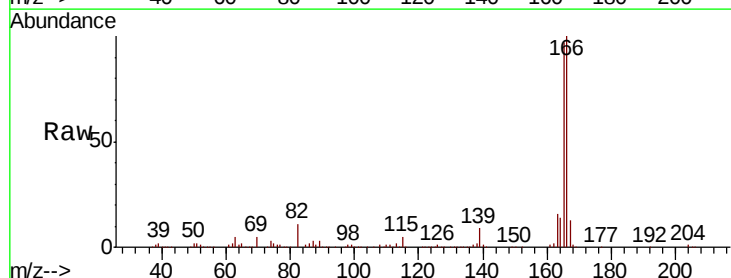
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 44.362 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.9  | 78.6  | 117.8 |
| 167     | 13.3  | 10.8  | 16.2  |

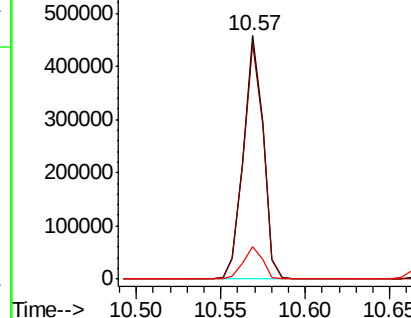
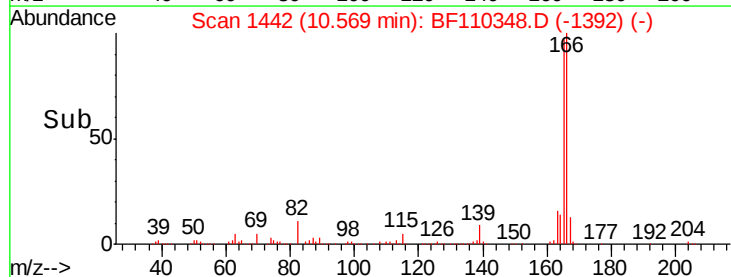


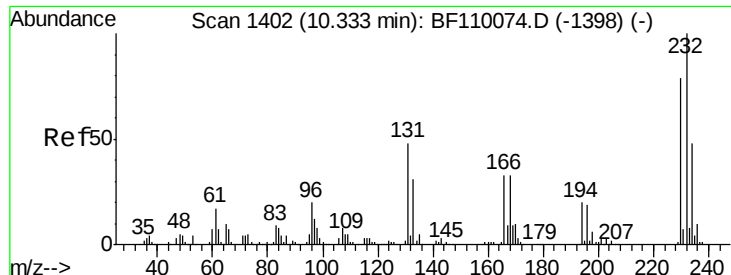
Abundance

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

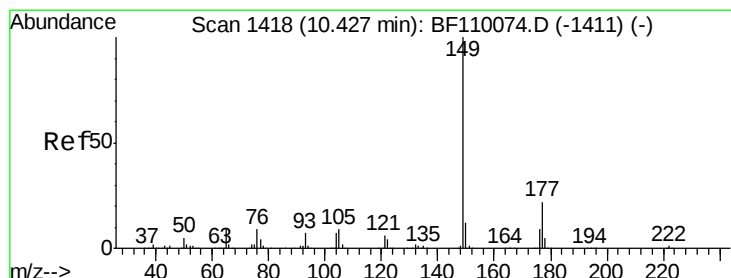
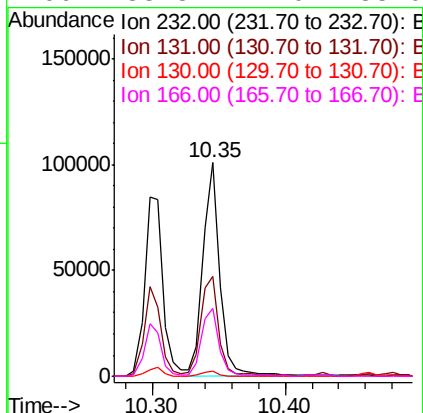
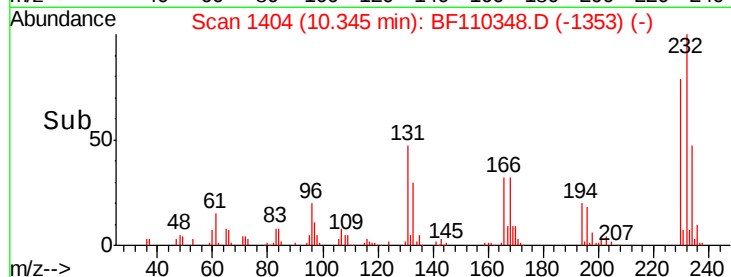
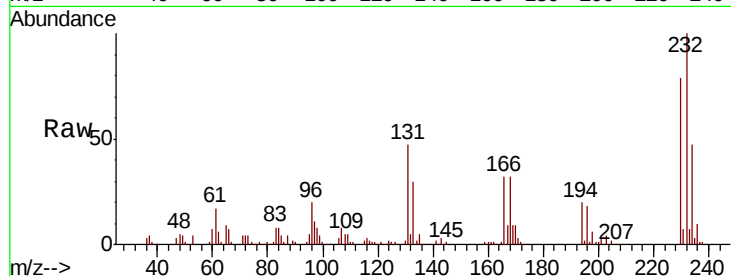




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 40.016 ng  
 RT: 10.35 min Scan# 1404  
 Delta R.T. 0.00 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

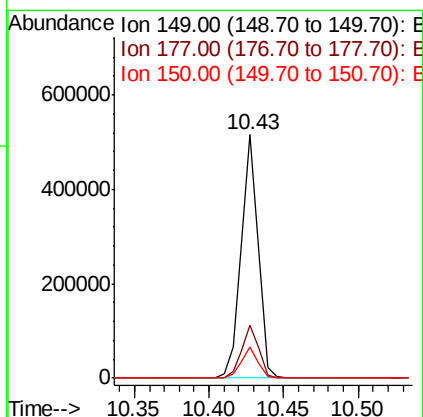
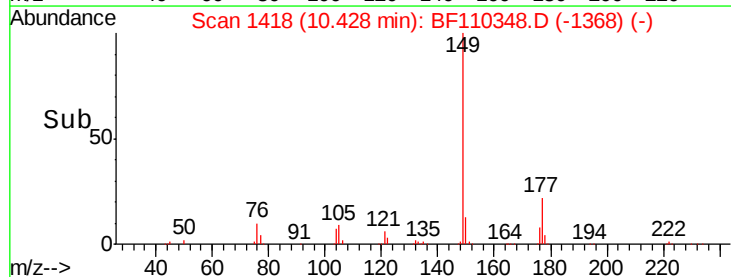
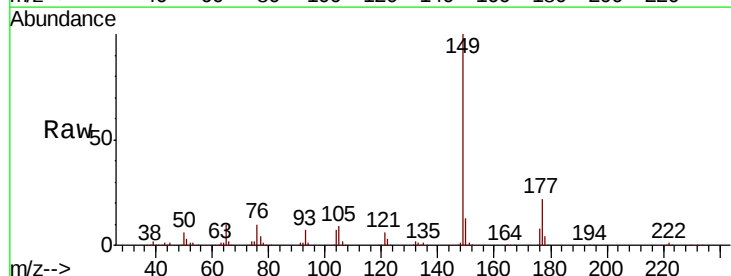
Instrument :  
 BNA\_F  
 ClientSampled :

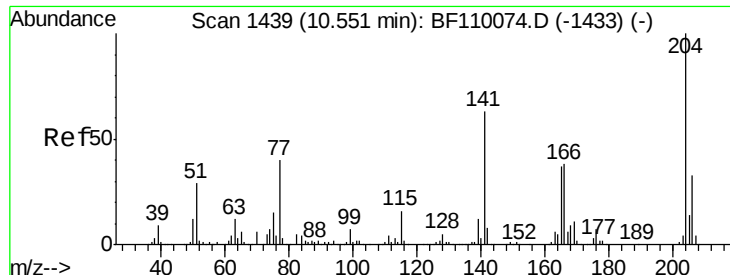
Tot Ion:232 Resp: 87783  
 Ion Ratio Lower Upper  
 232 100  
 131 50.7 37.0 55.4  
 130 2.2 1.8 2.6  
 166 33.8 22.0 33.0#



#60  
 Diethylphthalate  
 Concen: 44.913 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. -0.01 min  
 Lab File: BF110348.D  
 Acq: 31 Oct 2018 22:17

Tgt Ion:149 Resp: 410028  
 Ion Ratio Lower Upper  
 149 100  
 177 21.6 17.4 26.2  
 150 12.7 9.8 14.8

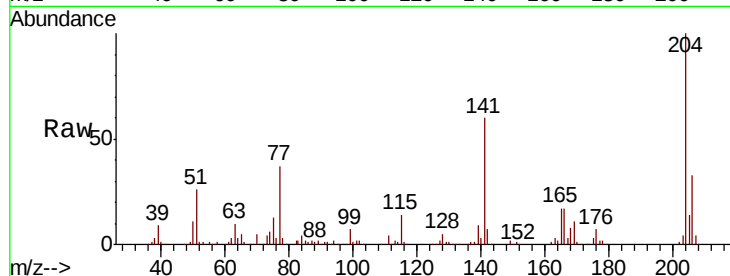




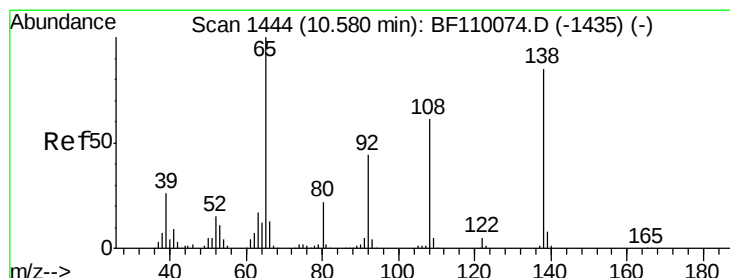
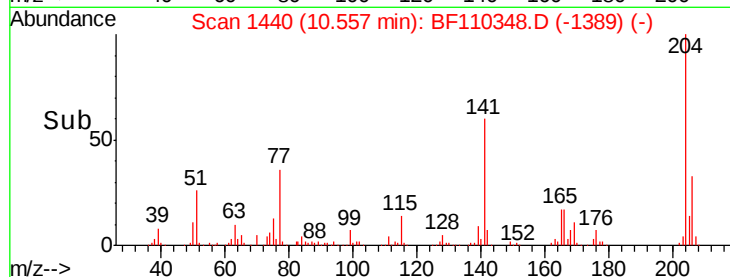
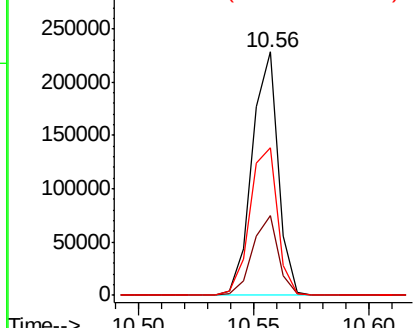
#61  
4-Chlorophenyl-phenylether  
Concen: 41.029 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:204 Resp: 181108  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 60.4 51.8 77.8

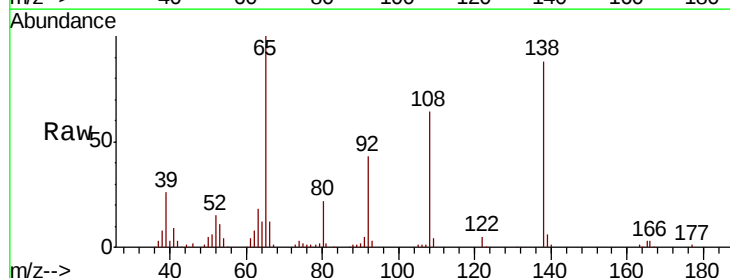


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

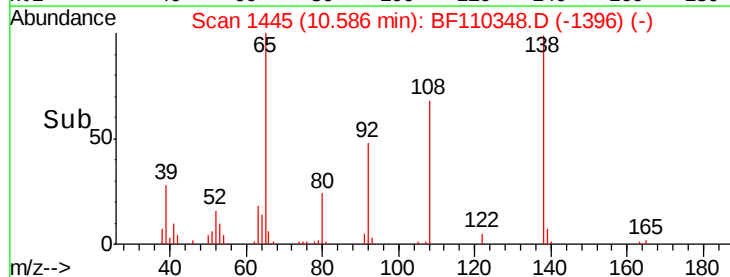
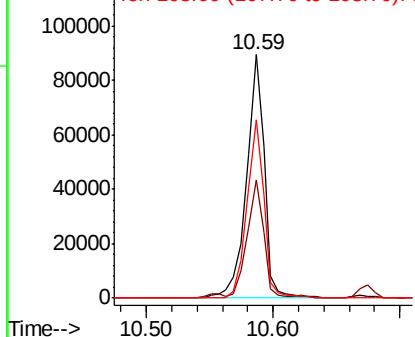


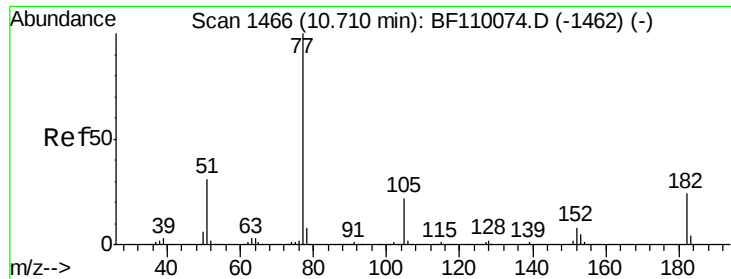
#62  
4-Nitroaniline  
Concen: 36.594 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:138 Resp: 87194  
Ion Ratio Lower Upper  
138 100  
92 48.6 31.7 71.7  
108 73.2 59.3 99.3



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

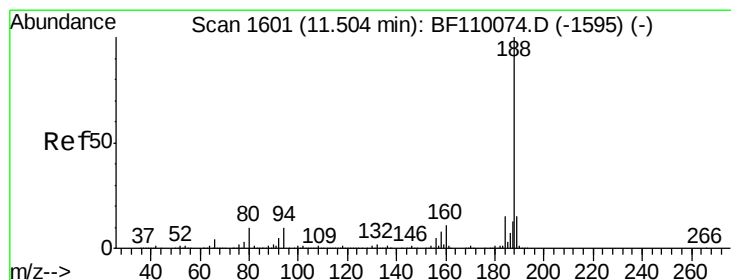
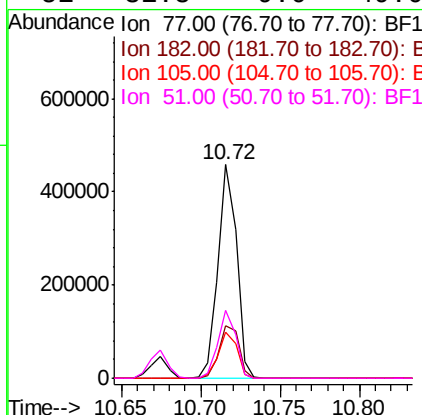
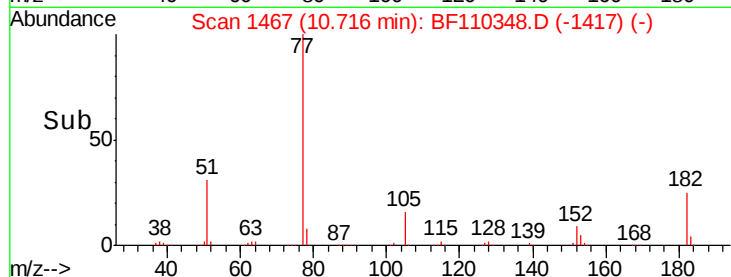
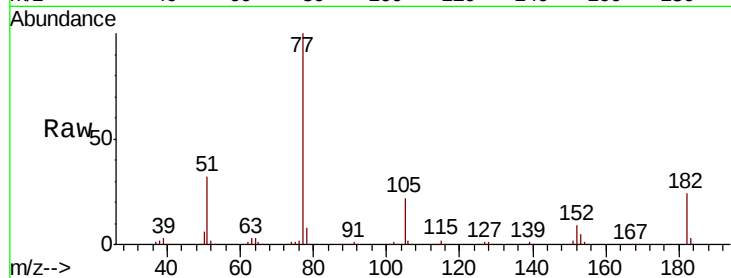




#63  
Azobenzene  
Concen: 41.271 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

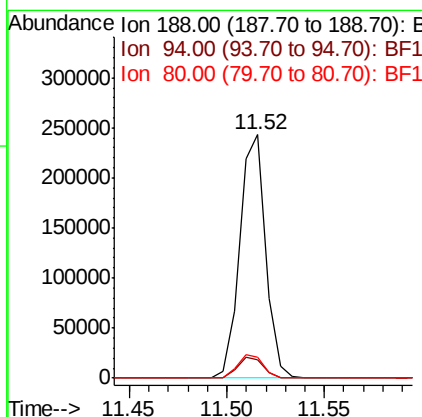
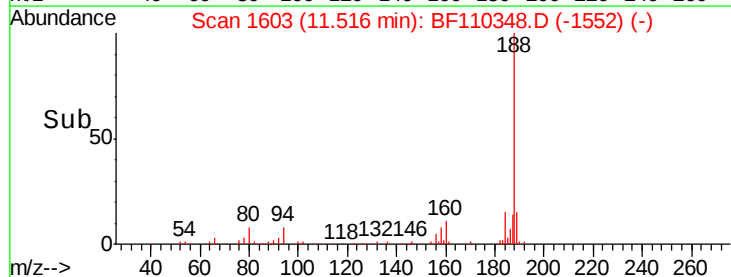
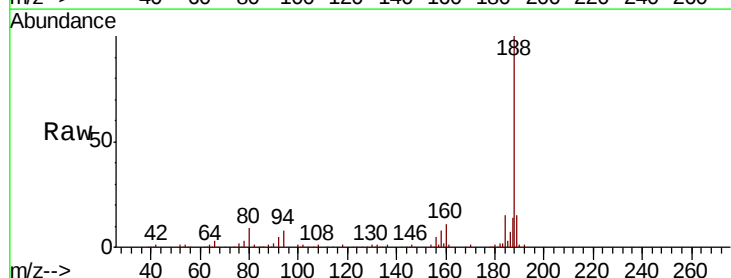
Instrument :  
BNA\_F  
ClientSampleId :

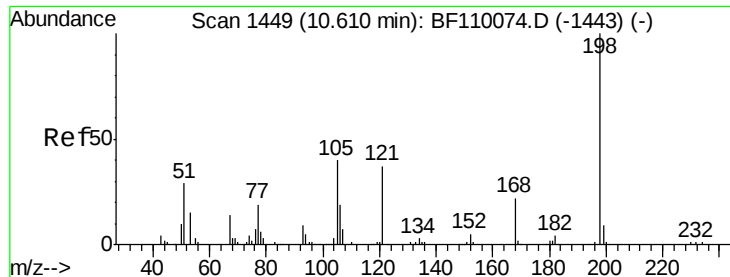
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 373993 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 24.3  | 4.3   | 44.3   |
| 105      | 21.8  | 1.3   | 41.3   |
| 51       | 31.8  | 9.0   | 49.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.52 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 223318 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.8   | 7.2   | 10.8   |
| 80       | 8.8   | 7.9   | 11.9   |

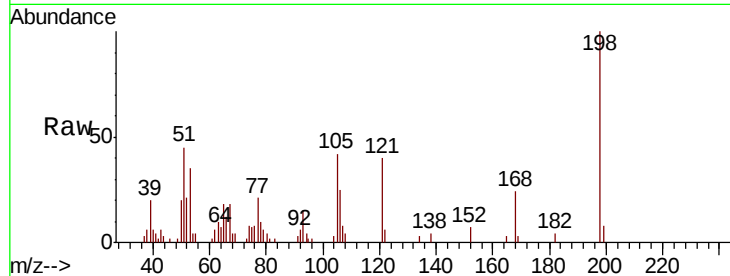




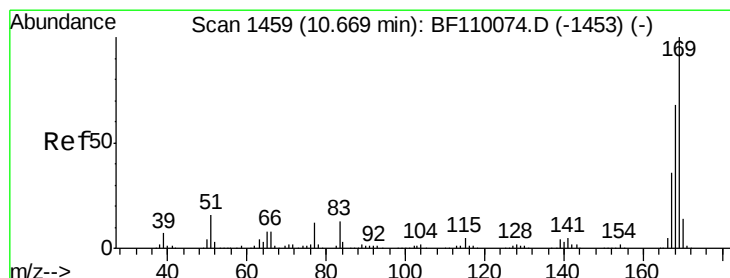
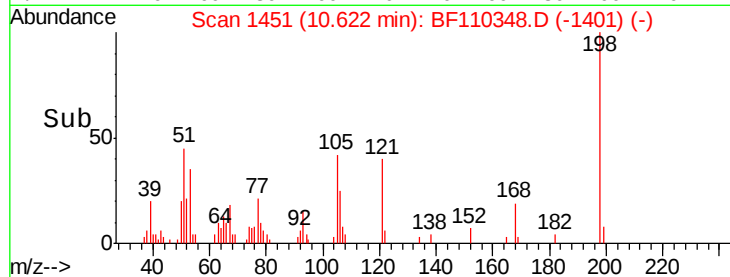
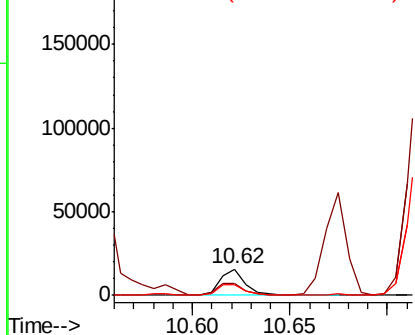
#65  
4,6-Dinitro-2-methylphenol  
Concen: 13.596 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:198 Resp: 13872  
Ion Ratio Lower Upper  
198 100  
51 45.1 22.8 62.8  
105 42.0 23.6 63.6

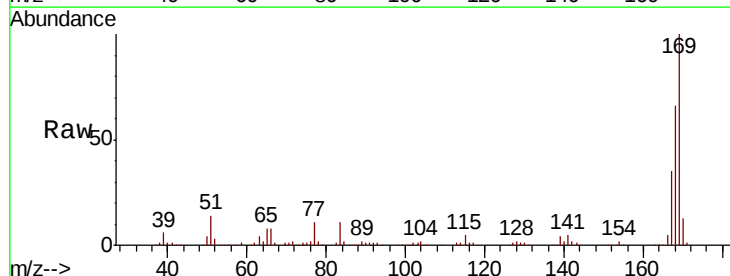


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

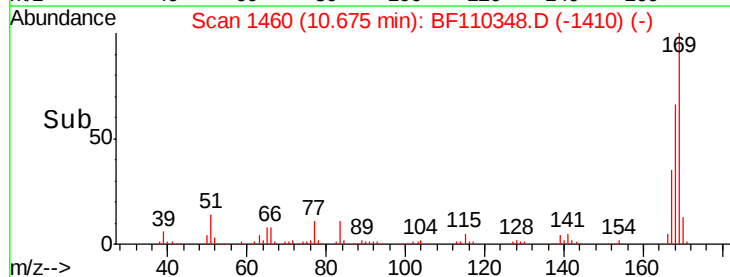
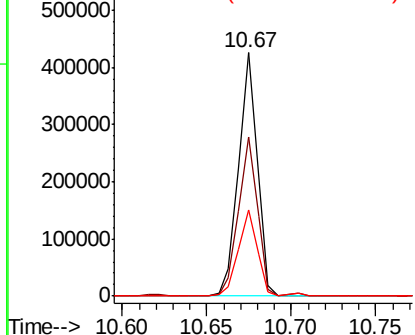


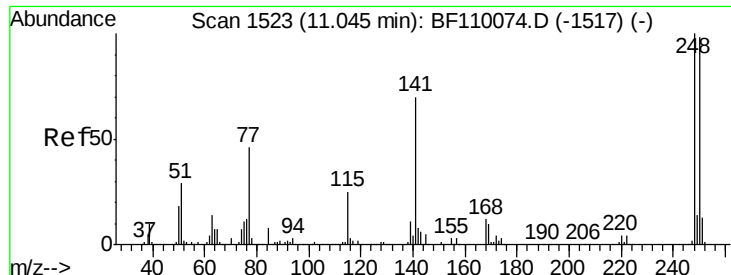
#66  
n-Nitrosodiphenylamine  
Concen: 44.815 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:169 Resp: 328261  
Ion Ratio Lower Upper  
169 100  
168 65.5 51.2 76.8  
167 35.4 27.8 41.6



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

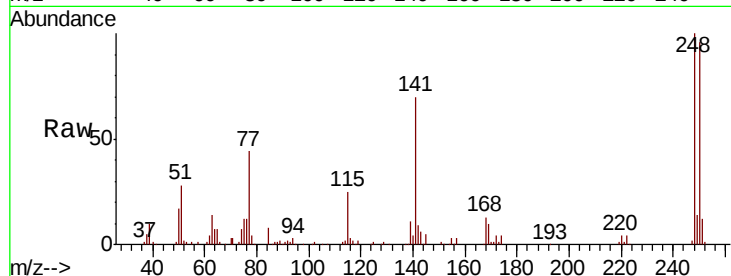




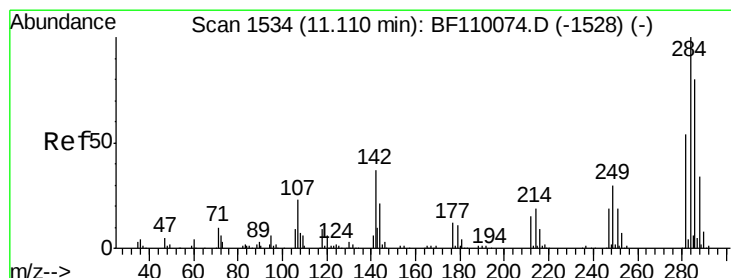
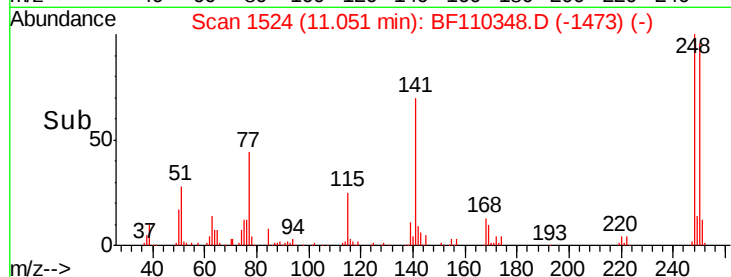
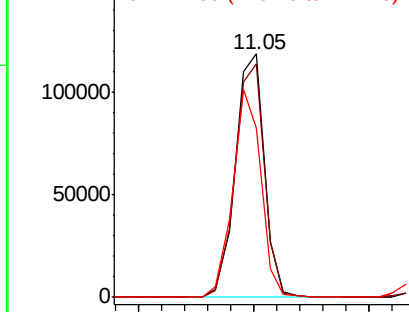
#67  
4-Bromophenyl-phenylether  
Concen: 43.014 ng  
RT: 11.05 min Scan# 1524  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 104196  
Ion Ratio Lower Upper  
248 100  
250 96.0 79.4 119.2  
141 69.6 55.9 83.9

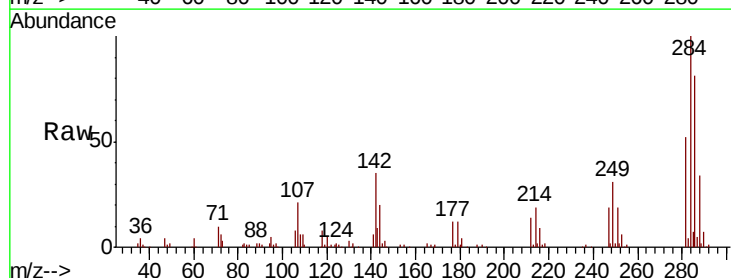


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

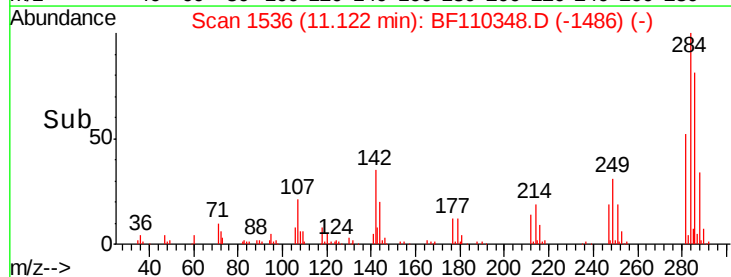
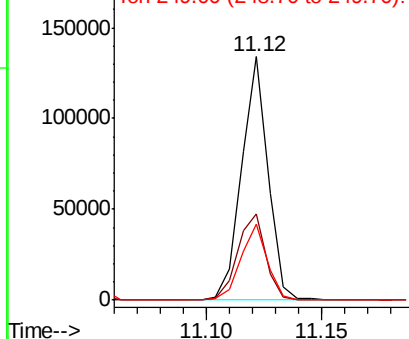


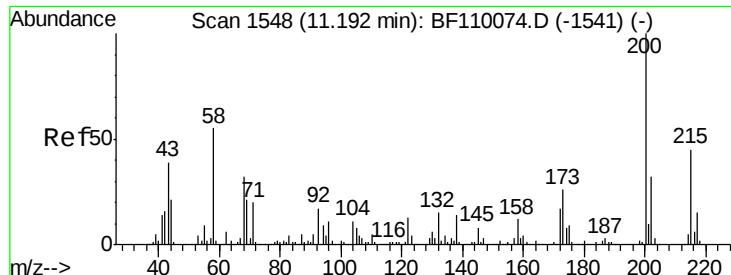
#68  
Hexachlorobenzene  
Concen: 41.516 ng  
RT: 11.12 min Scan# 1536  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:284 Resp: 106704  
Ion Ratio Lower Upper  
284 100  
142 35.2 23.9 35.9  
249 31.1 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

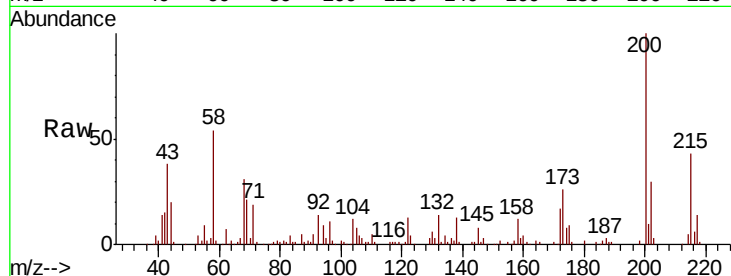




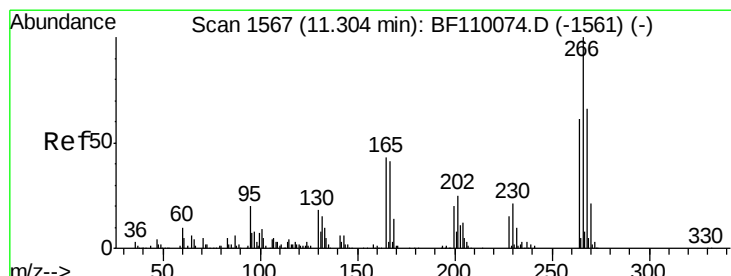
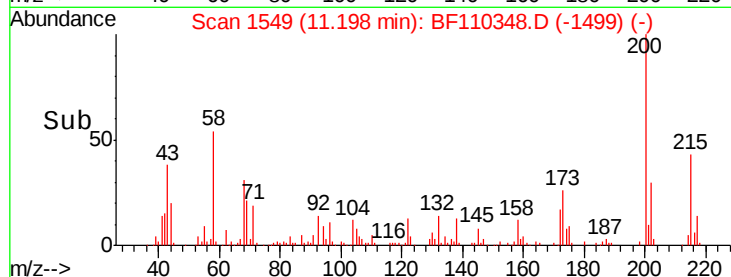
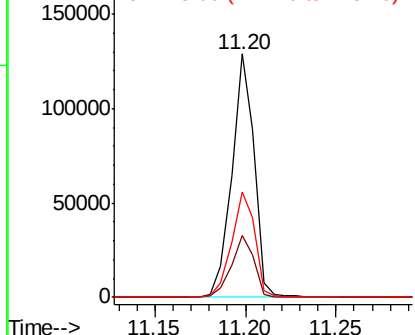
#69  
Atrazine  
Concen: 47.689 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.7  | 6.6   | 46.6  |
| 215     | 43.3  | 26.3  | 66.3  |

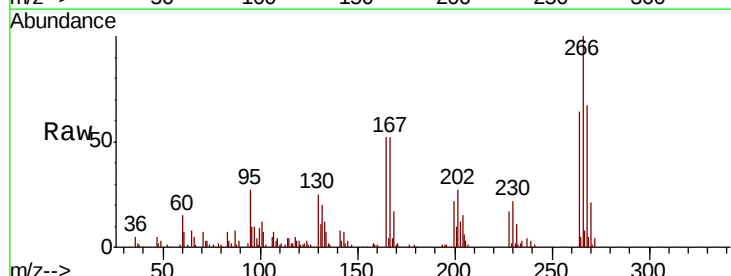


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

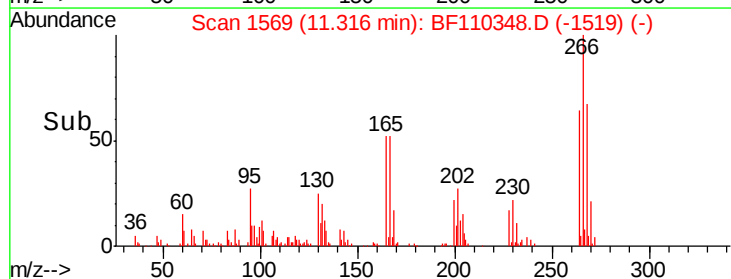
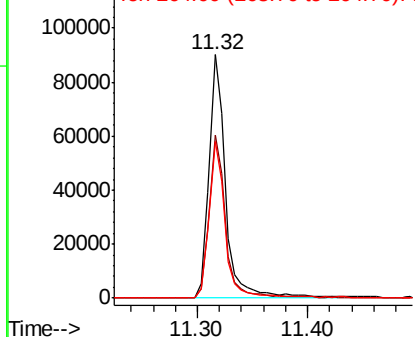


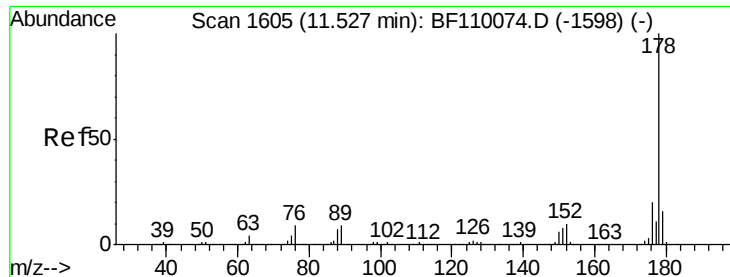
#70  
Pentachlorophenol  
Concen: 61.238 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.7  | 50.6  | 75.8  |
| 264     | 64.4  | 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

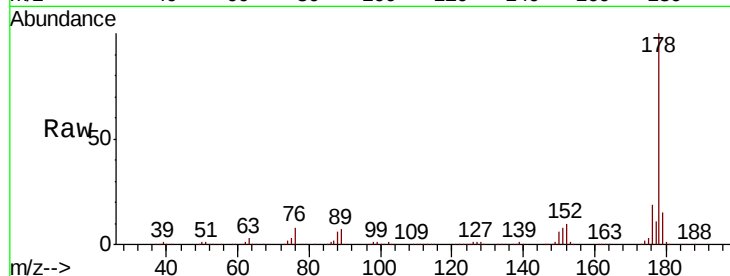




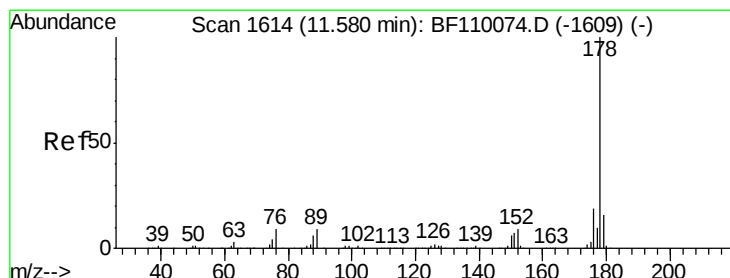
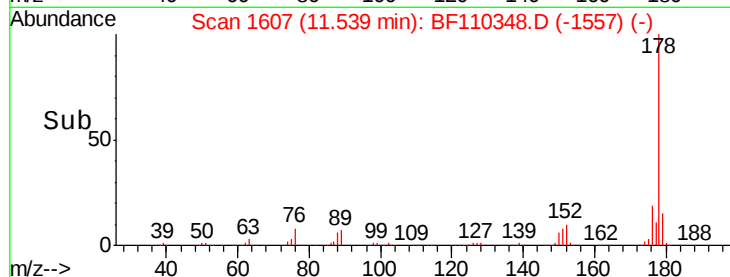
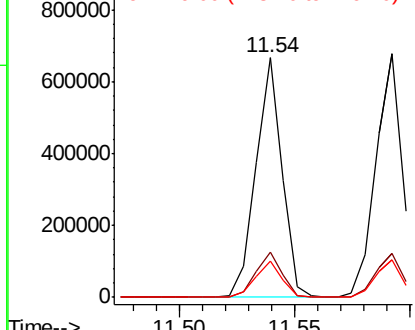
#71  
Phenanthrene  
Concen: 45.186 ng  
RT: 11.54 min Scan# 1607  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 527996  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.5 23.3  
179 15.2 12.5 18.7

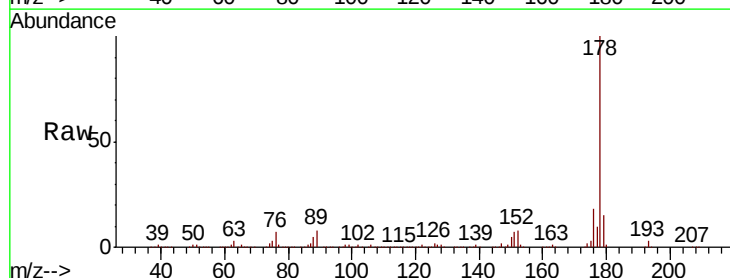


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

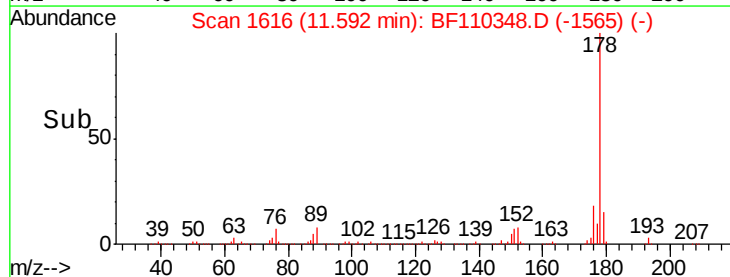
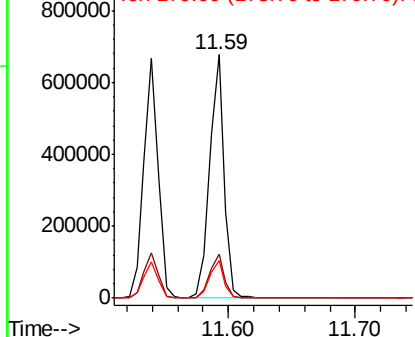


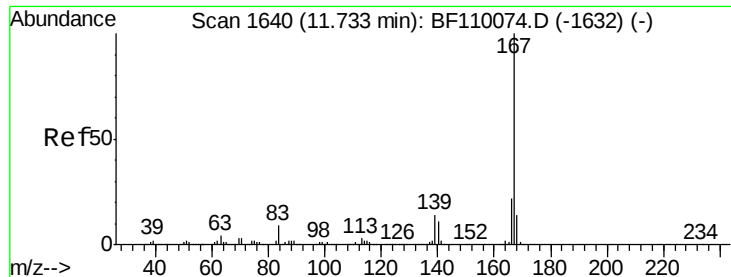
#72  
Anthracene  
Concen: 46.624 ng  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:178 Resp: 546077  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.4 23.2  
179 15.2 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: 41.868 ng

RT: 11.75 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

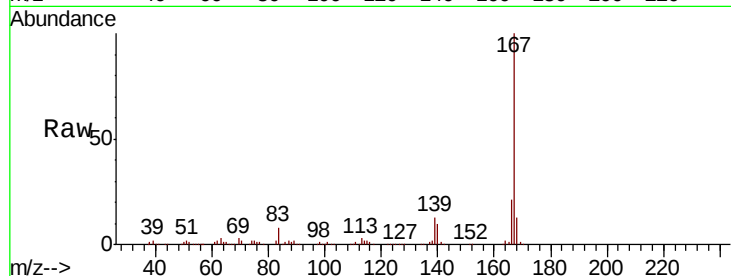
Tot Ion:167 Resp: 478798

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.0

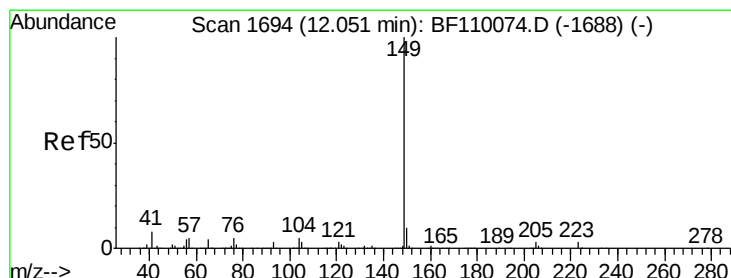
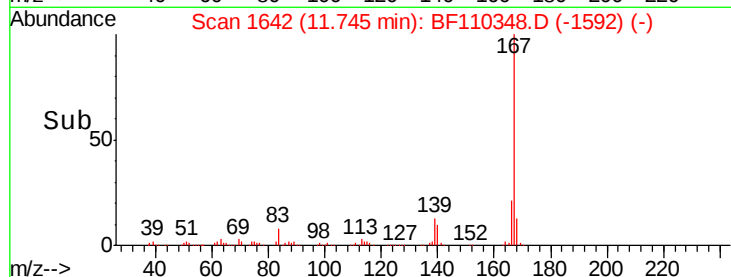
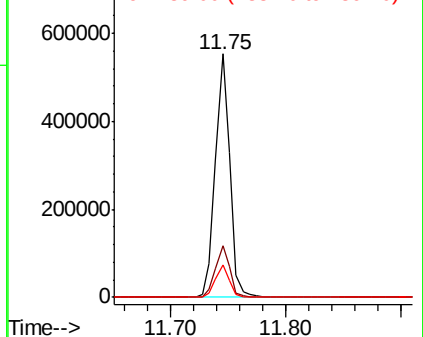
139 13.4 10.9 16.3



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: 47.404 ng

RT: 12.06 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

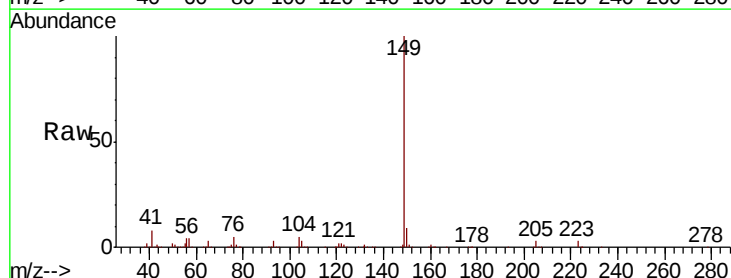
Tgt Ion:149 Resp: 612252

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

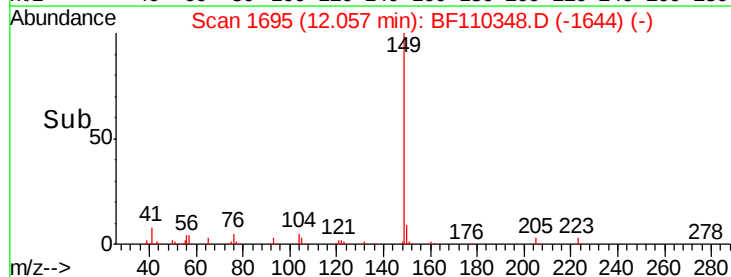
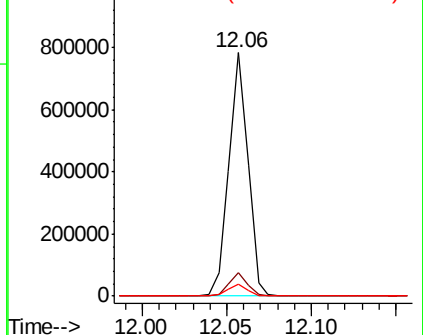
104 5.0 4.2 6.4

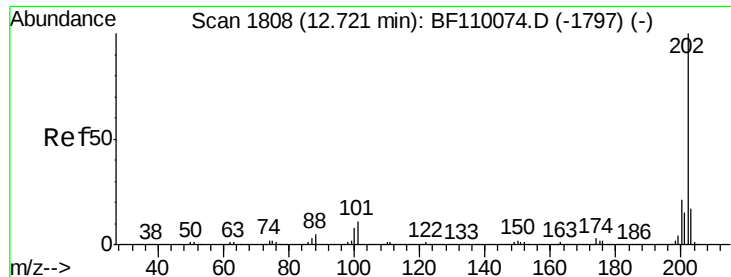


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.072 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

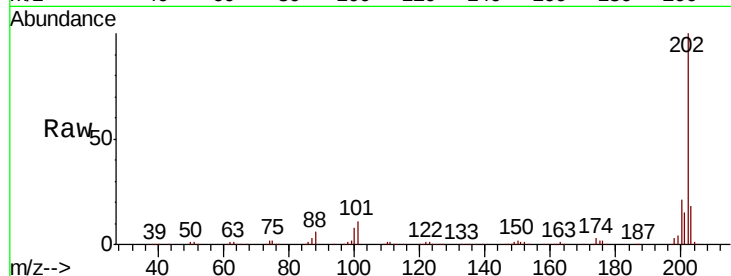
Tot Ion:202 Resp: 534509

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

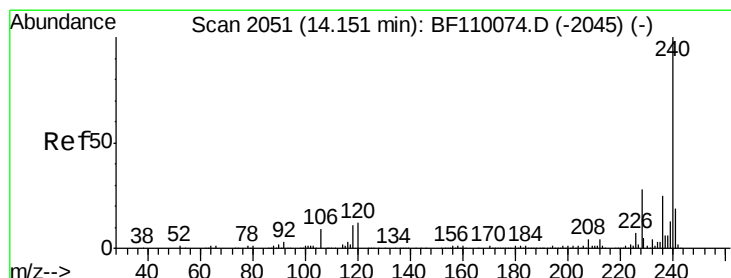
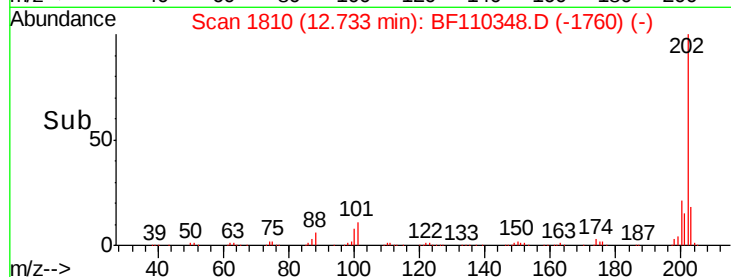
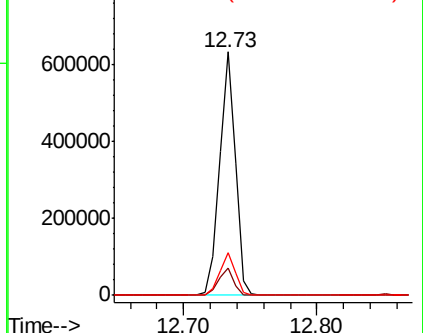
203 17.7 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

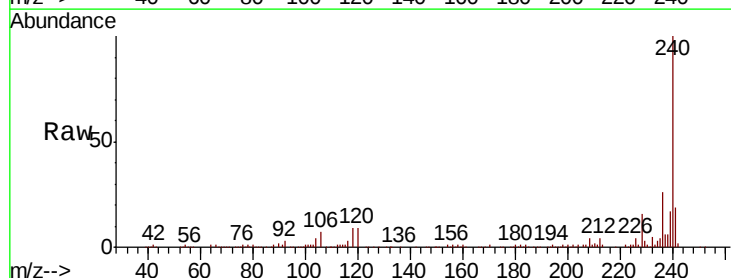
Tgt Ion:240 Resp: 169066

Ion Ratio Lower Upper

240 100

120 9.4 8.3 12.5

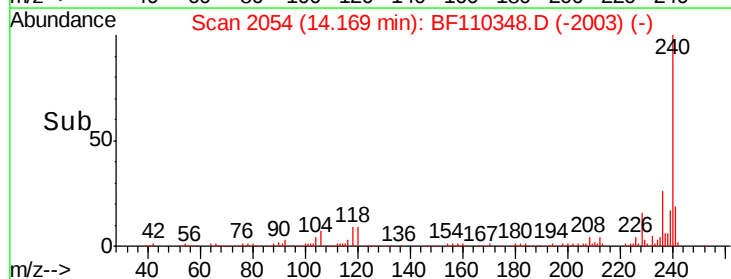
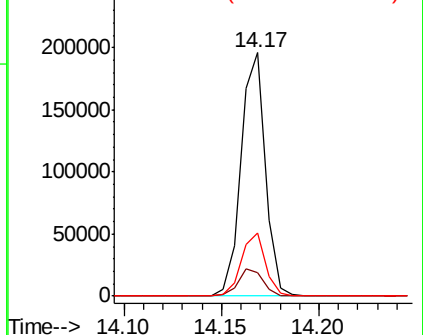
236 26.1 21.2 31.8

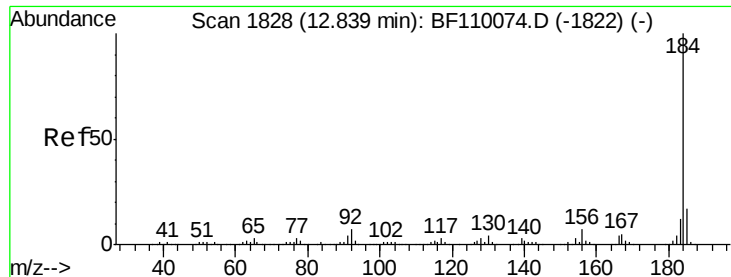


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

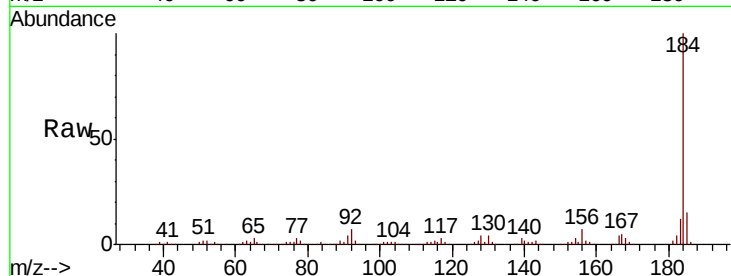




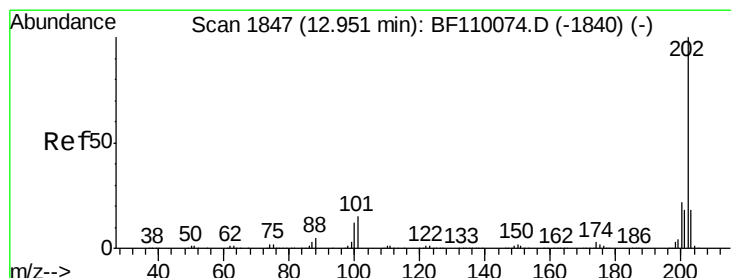
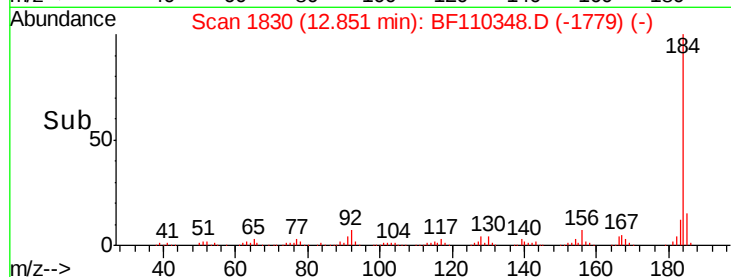
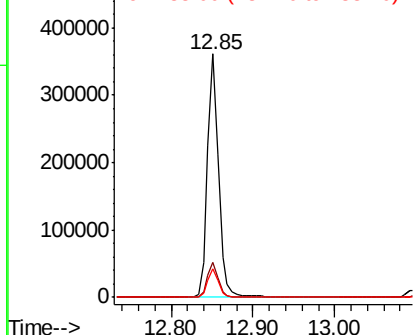
#77  
Benzidine  
Concen: Below Cal  
RT: 12.85 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 341167  
Ion Ratio Lower Upper  
184 100  
185 14.6 13.4 20.2  
183 11.8 9.4 14.2

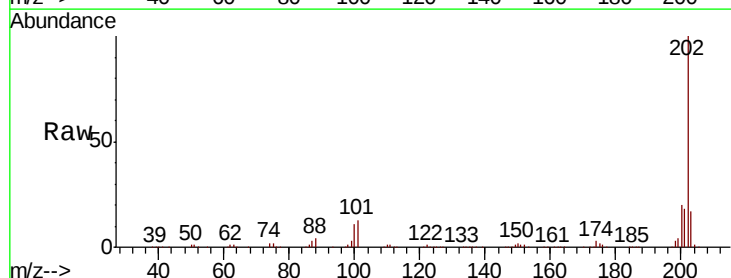


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

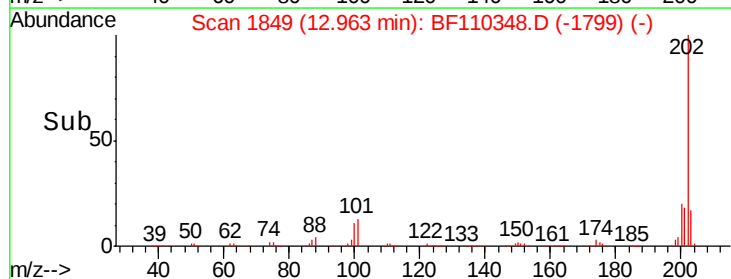
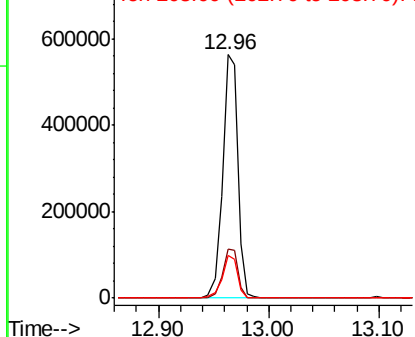


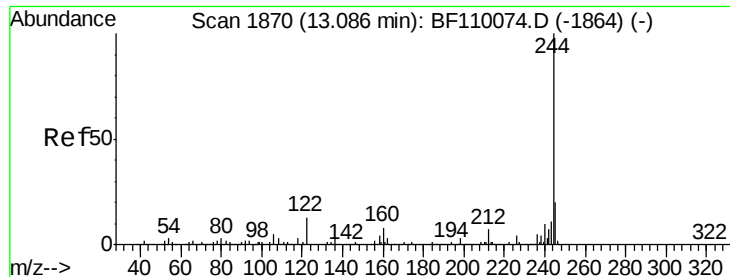
#78  
Pyrene  
Concen: 44.714 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:202 Resp: 541959  
Ion Ratio Lower Upper  
202 100  
200 20.3 17.8 26.6  
203 17.3 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: 88.786 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

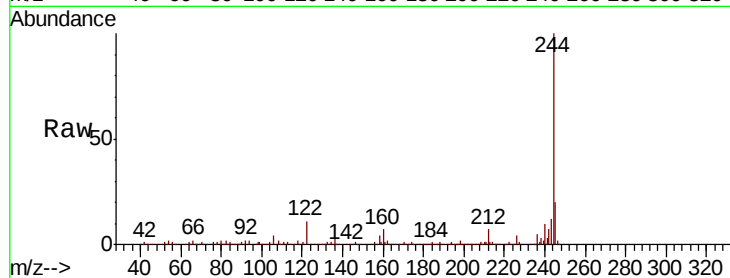
Tot Ion:244 Resp: 721768

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

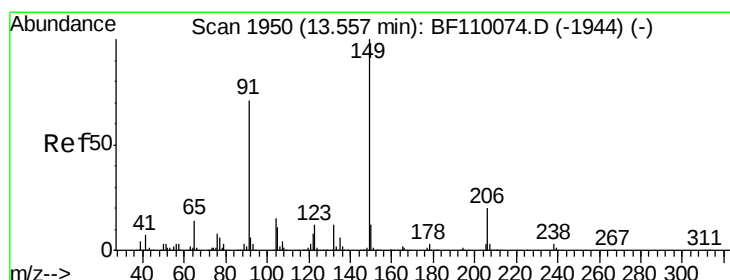
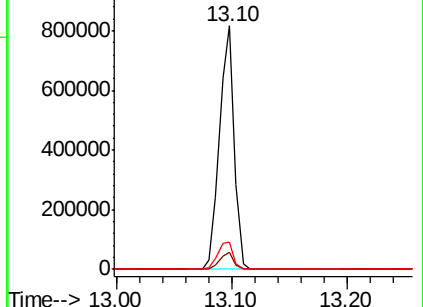
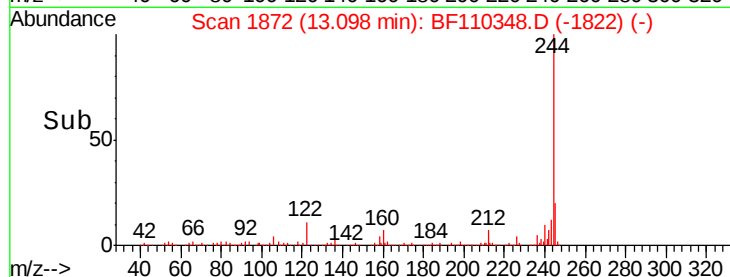
122 11.4 8.7 13.1



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: 48.008 ng

RT: 13.56 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

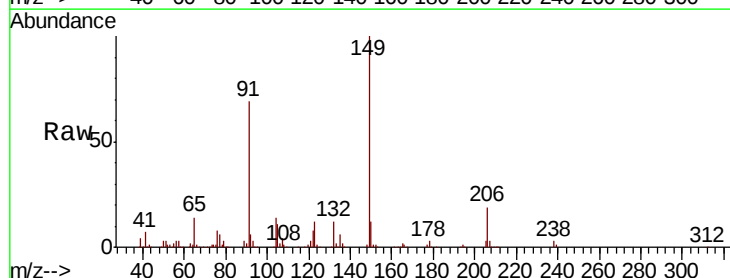
Tgt Ion:149 Resp: 252562

Ion Ratio Lower Upper

149 100

91 68.5 57.2 85.8

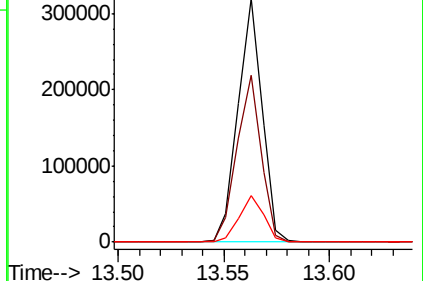
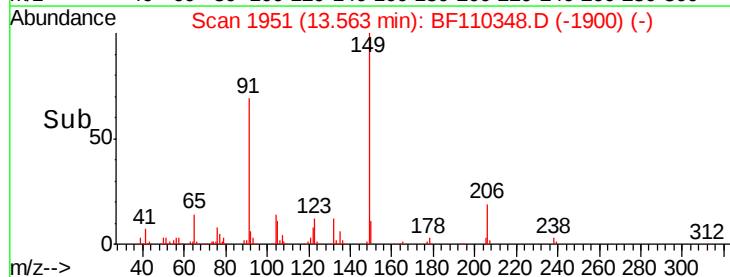
206 19.1 15.7 23.5

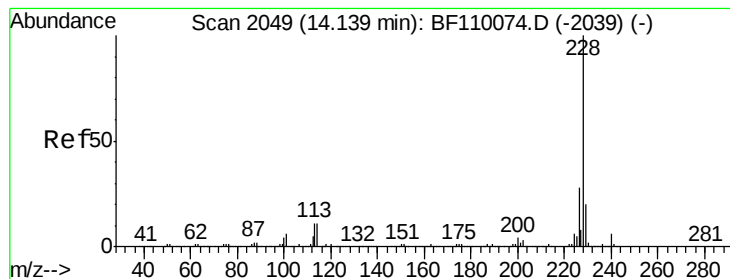


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.304 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

Instrument :

BNA\_F

ClientSampleId :

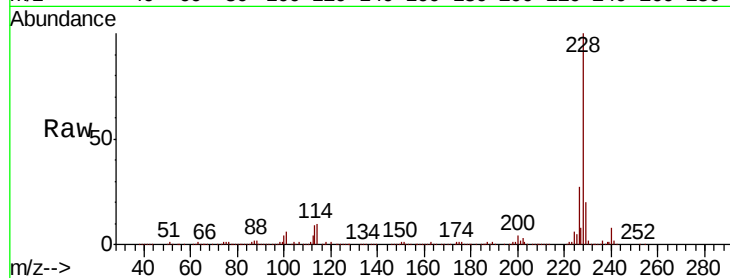
Tot Ion:228 Resp: 454214

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 19.8 15.6 23.4

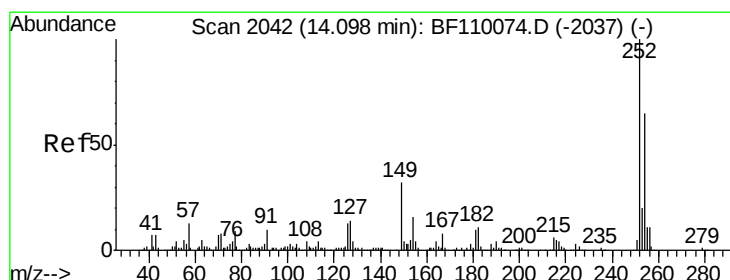
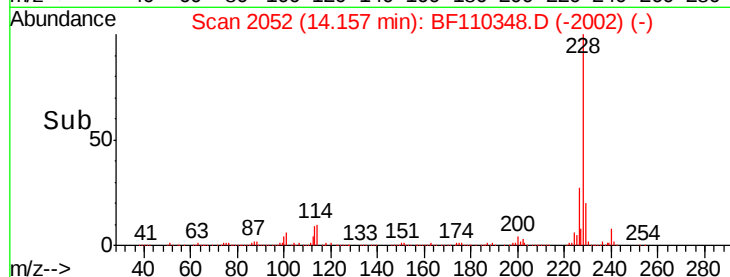
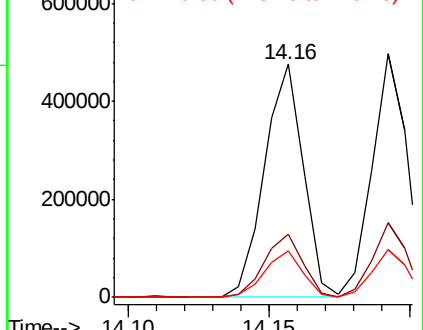


Abundance

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: 39.959 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF110348.D

Acq: 31 Oct 2018 22:17

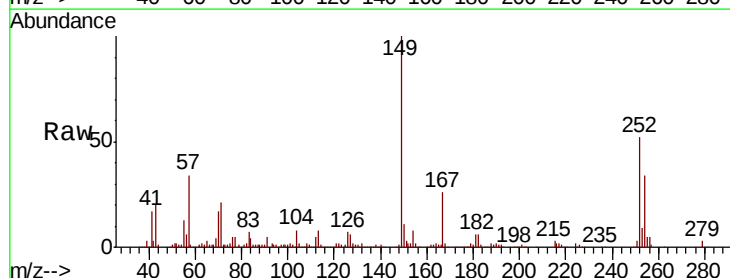
Tgt Ion:252 Resp: 139507

Ion Ratio Lower Upper

252 100

254 64.5 51.3 76.9

126 12.8 9.4 14.2

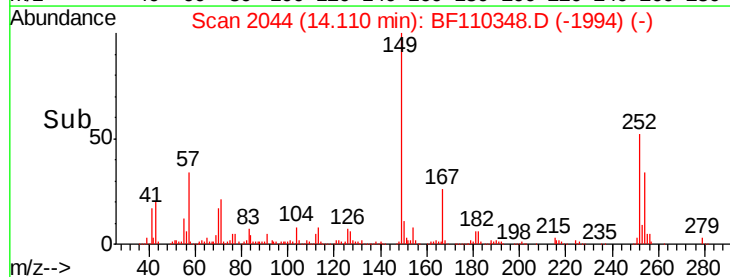
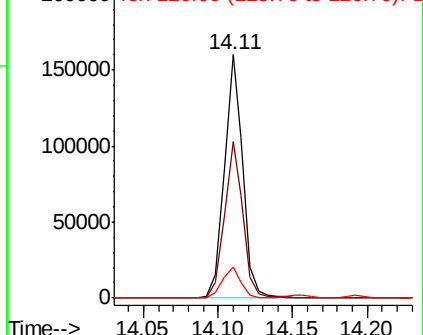


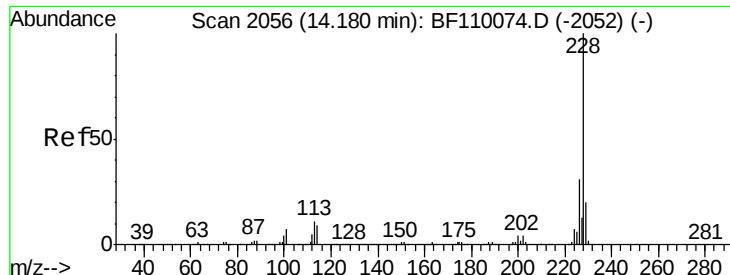
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

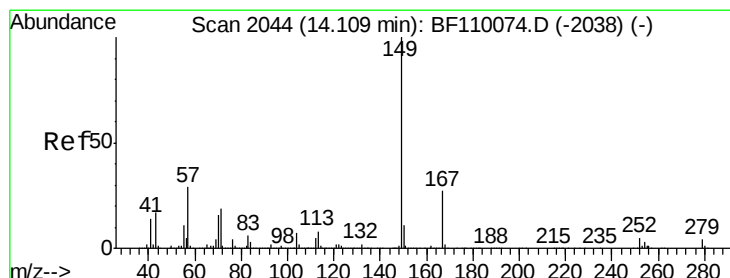
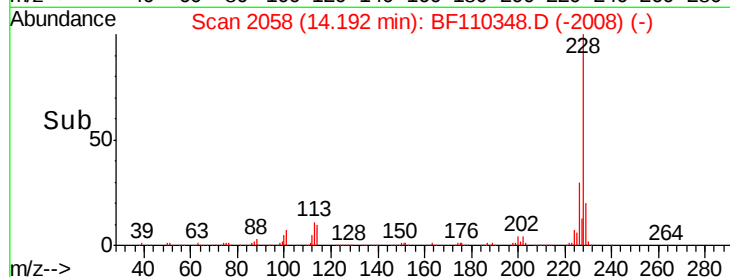
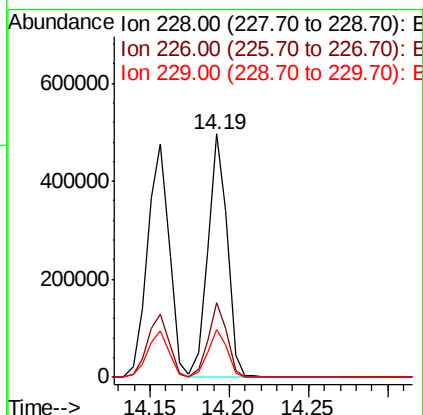
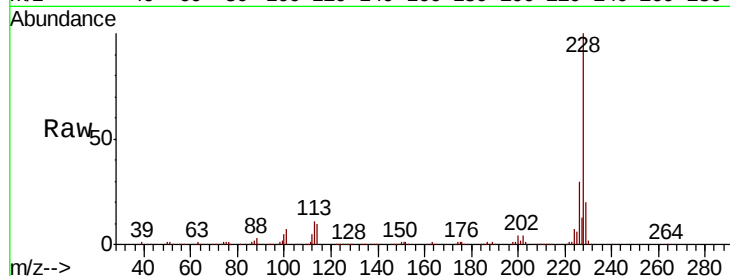




#83  
Chrysene  
Concen: 44.488 ng  
RT: 14.19 min Scan# 2058  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

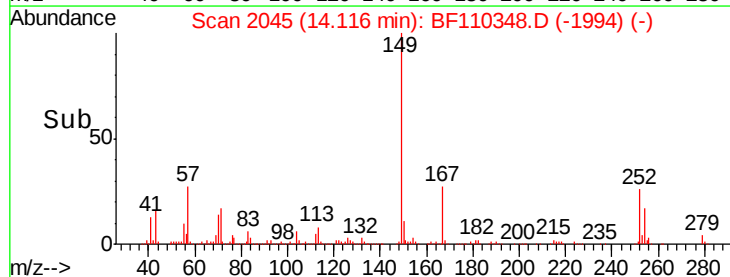
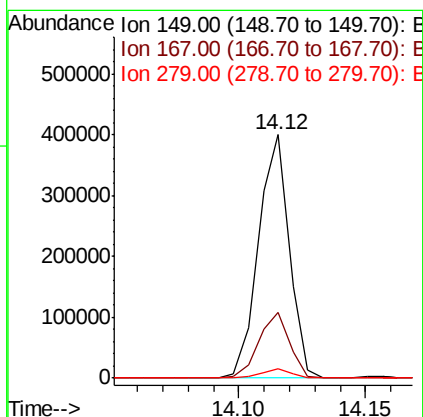
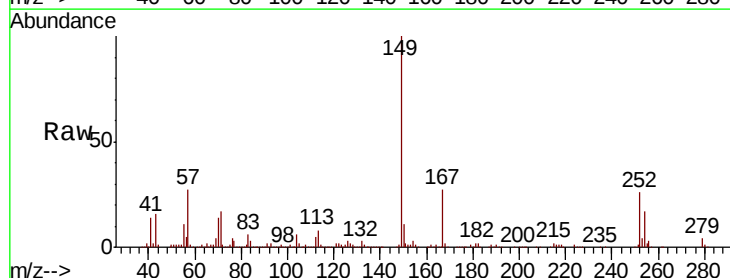
Instrument :  
BNA\_F  
ClientSampleId :

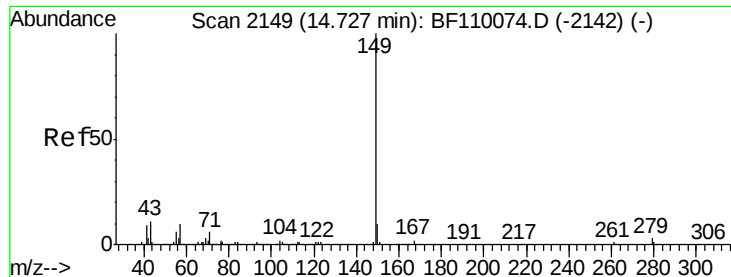
Tot Ion:228 Resp: 423645  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.7 37.1  
229 19.8 15.9 23.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 47.769 ng  
RT: 14.12 min Scan# 2045  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:149 Resp: 339714  
Ion Ratio Lower Upper  
149 100  
167 27.2 19.8 29.8  
279 3.7 2.7 4.1

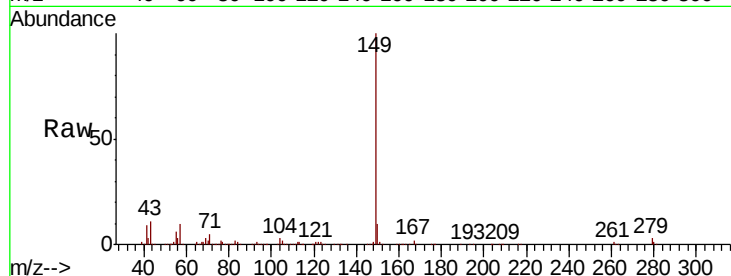




#85  
Di-n-octyl phthalate  
Concen: 51.199 ng  
RT: 14.73 min Scan# 2150  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.1   | 1.7   |
| 43      | 10.4  | 7.8   | 11.8  |

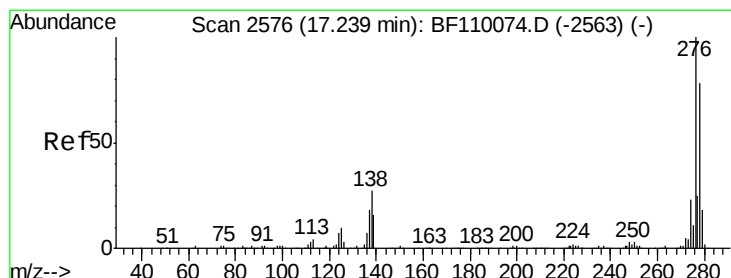
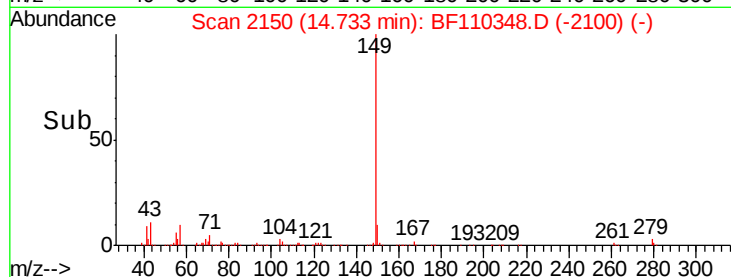
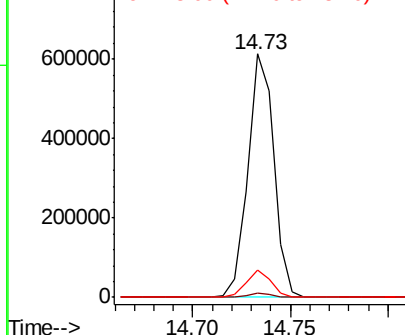


Abundance

Ion 149.00 (148.70 to 149.70): E

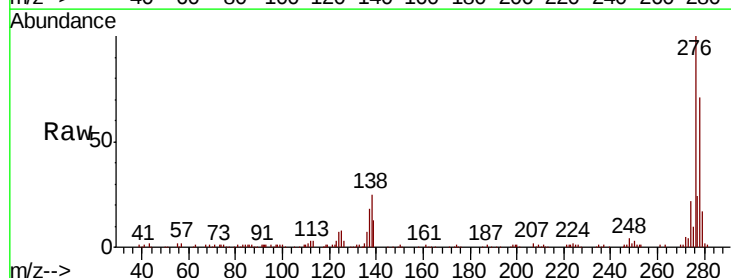
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 35.325 ng  
RT: 17.29 min Scan# 2585  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.6  | 18.5  | 27.7  |
| 277     | 25.1  | 20.0  | 30.0  |

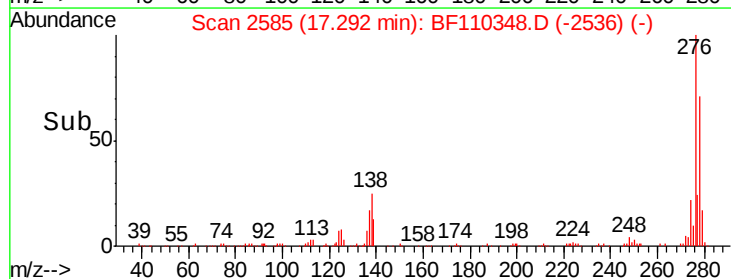
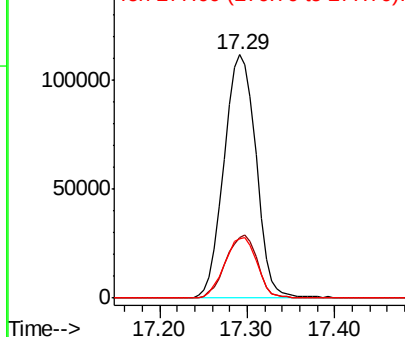


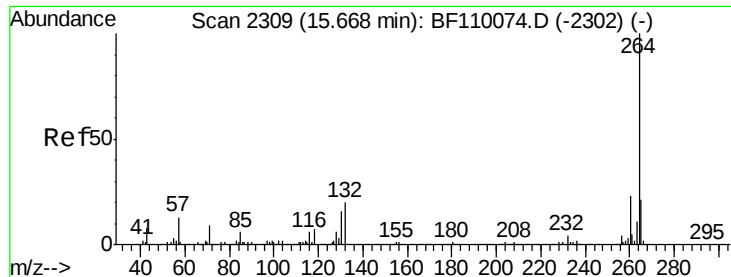
Abundance

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



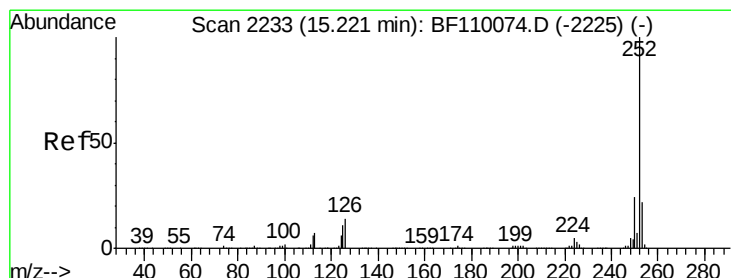
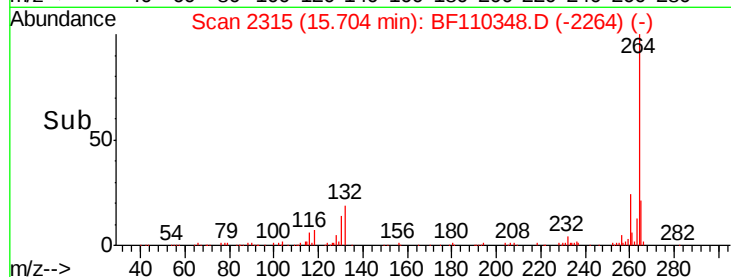
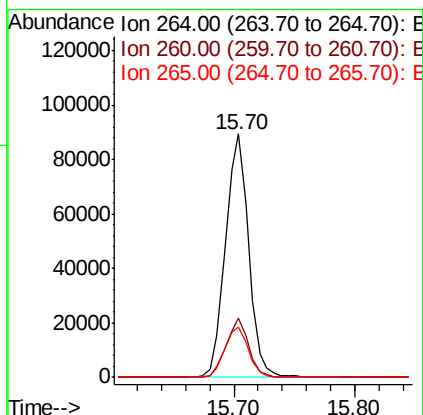
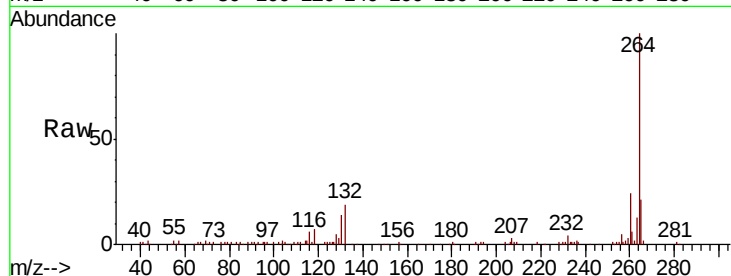


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.70 min Scan# 2315  
Delta R.T. 0.00 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 118800  

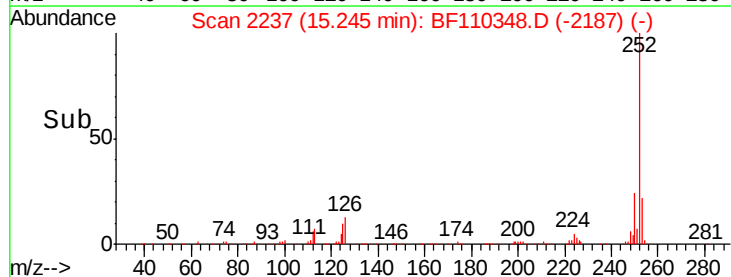
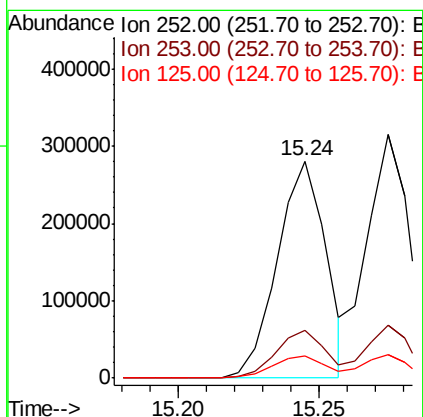
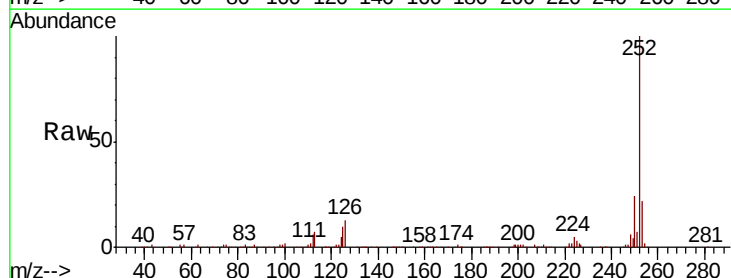
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 18.7  | 28.1  |
| 265 | 20.9  | 16.7  | 25.1  |

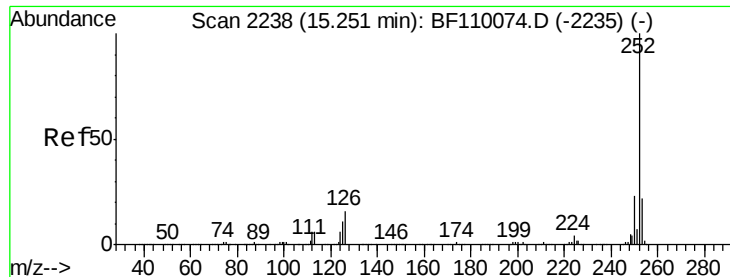


#88  
Benzo(b)fluoranthene  
Concen: 48.790 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:252 Resp: 334715  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 17.2  | 25.8  |
| 125 | 10.2  | 8.2   | 12.4  |

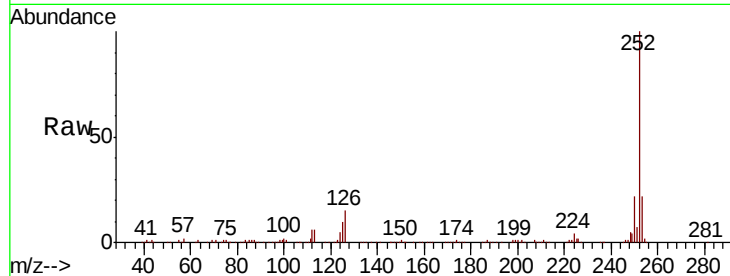




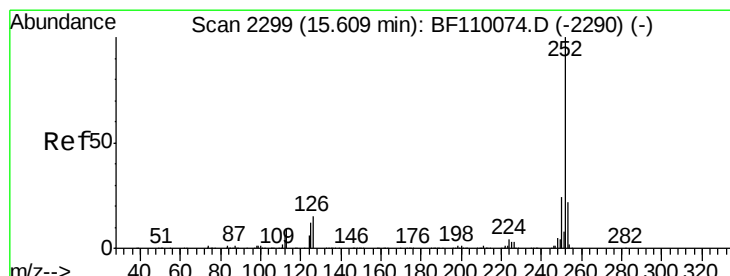
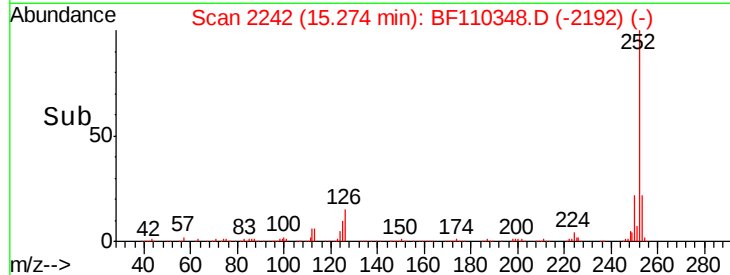
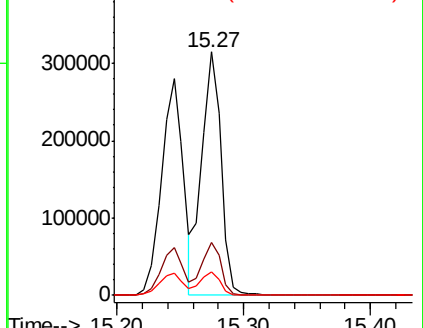
#89  
Benzo(k)fluoranthene  
Concen: 49.684 ng  
RT: 15.27 min Scan# 2242  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 335082  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.2 25.8  
125 9.8 7.4 11.0

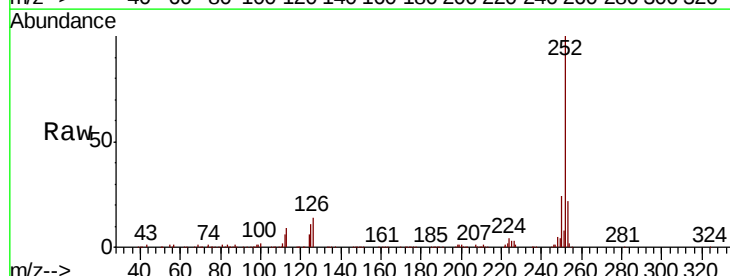


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

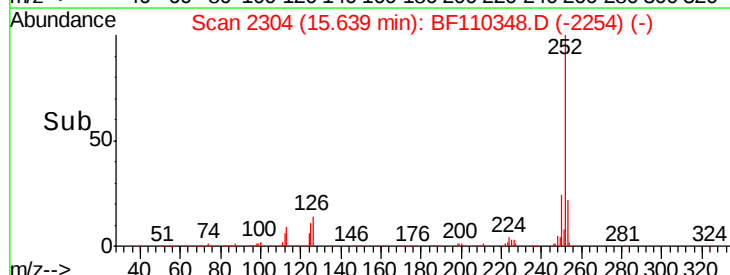
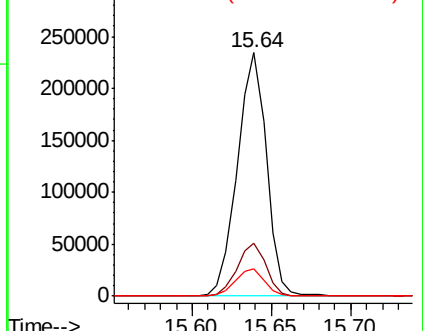


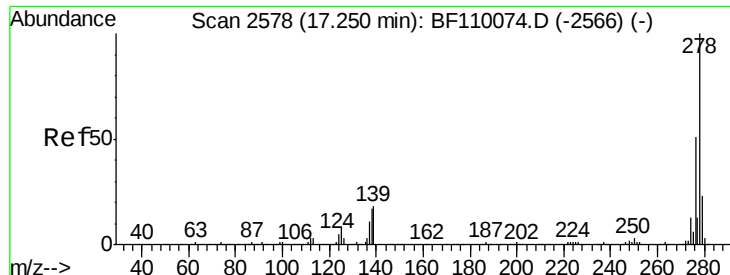
#90  
Benzo(a)pyrene  
Concen: 47.335 ng  
RT: 15.64 min Scan# 2304  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:252 Resp: 298806  
Ion Ratio Lower Upper  
252 100  
253 21.5 18.2 27.4  
125 11.3 9.0 13.6



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

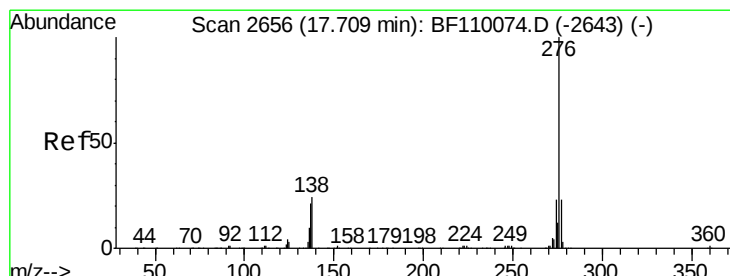
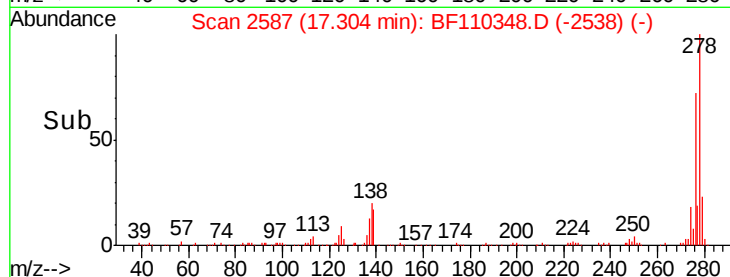
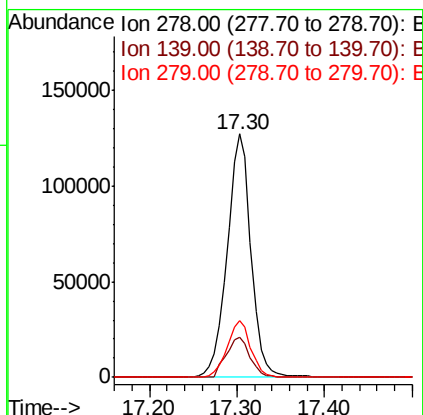
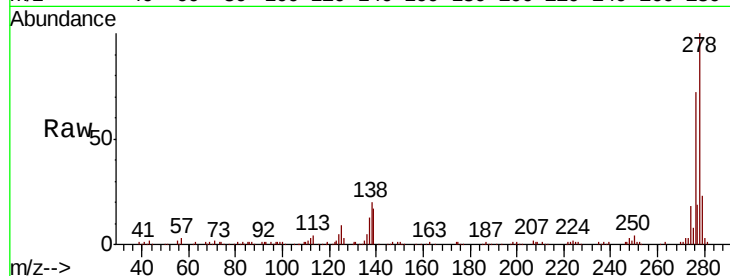




#91  
Dibenzo(a,h)anthracene  
Concen: 43.478 ng  
RT: 17.30 min Scan# 2587  
Delta R.T. -0.01 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 236816  
Ion Ratio Lower Upper  
278 100  
139 16.5 12.7 19.1  
279 23.4 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 41.677 ng  
RT: 17.77 min Scan# 2667  
Delta R.T. -0.02 min  
Lab File: BF110348.D  
Acq: 31 Oct 2018 22:17

Tgt Ion:276 Resp: 223694  
Ion Ratio Lower Upper  
276 100  
277 24.1 18.8 28.2  
138 22.2 16.0 24.0

