

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050118\  
 Data File : BF104999.D  
 Acq On : 1 May 2018 22:06  
 Operator : JU/SJ  
 Sample : PB108756BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Quant Time: May 02 06:55:31 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 01 16:13:08 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 124045   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 517611   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.83  | 164  | 234765   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 388748   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 231715   | 20.00 | ng    | 0.05     |
| 86) Perylene-d12          | 15.57 | 264  | 215721   | 20.00 | ng    | 0.14     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 819893  | 101.07 | ng | 0.01 |
| 7) Phenol-d6             | 6.44  | 99  | 995007  | 99.82  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 612899  | 77.32  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 238100  | 97.77  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 1131342 | 76.13  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.92 | 244 | 862991  | 84.91  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88  | 101218 | 26.777 | ng | # 85   |
| 3) Pyridine                    | 3.30 | 79  | 286138 | 26.923 | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 3.27 | 42  | 115525 | 31.096 | ng | # 79   |
| 6) Aniline                     | 6.46 | 93  | 258806 | 18.689 | ng | # 73   |
| 8) 2-Chlorophenol              | 6.58 | 128 | 306674 | 35.816 | ng | # 93   |
| 9) Benzaldehyde                | 6.34 | 77  | 174961 | 32.656 | ng | # 97   |
| 10) Phenol                     | 6.45 | 94  | 359154 | 33.959 | ng | # 87   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 283450 | 33.585 | ng | # 94   |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 323080 | 33.306 | ng | # 98   |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 323972 | 33.504 | ng | # 98   |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 301265 | 33.620 | ng | # 97   |
| 15) Benzyl Alcohol             | 6.94 | 79  | 237732 | 31.402 | ng | # 97   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 315782 | 27.861 | ng | # 50   |
| 17) 2-Methylphenol             | 7.06 | 107 | 250682 | 33.680 | ng | # 91   |
| 18) Hexachloroethane           | 7.30 | 117 | 108836 | 31.568 | ng | # 98   |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 191941 | 29.468 | ng | # 91   |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 310338 | 33.619 | ng | # 81   |
| 22) Acetophenone               | 7.20 | 105 | 403647 | 31.675 | ng | # 98   |
| 24) Nitrobenzene               | 7.38 | 77  | 304426 | 34.784 | ng | # 94   |
| 25) Isophorone                 | 7.62 | 82  | 559100 | 33.354 | ng | # 99   |
| 26) 2-Nitrophenol              | 7.69 | 139 | 163366 | 45.852 | ng | # 97   |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 265211 | 35.850 | ng | # 100  |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 359949 | 35.121 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 255128 | 36.144 | ng | # 98   |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 263508 | 34.016 | ng | # 99   |
| 31) Naphthalene                | 8.10 | 128 | 865236 | 33.570 | ng | # 99   |
| 32) Benzoic acid               | 7.87 | 122 | 119247 | 20.202 | ng | # 94   |
| 33) 4-Chloroaniline            | 8.15 | 127 | 140051 | 12.683 | ng | # 96   |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 144337 | 34.017 | ng | # 98   |
| 35) Caprolactam                | 8.53 | 113 | 81064  | 32.921 | ng | # 71   |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 275133 | 36.351 | ng | # 99   |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 572865 | 34.361 | ng | # 98   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 250471 | 37.271 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 8.93 | 237 | 47391  | 12.596 | ng | # 100  |

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 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

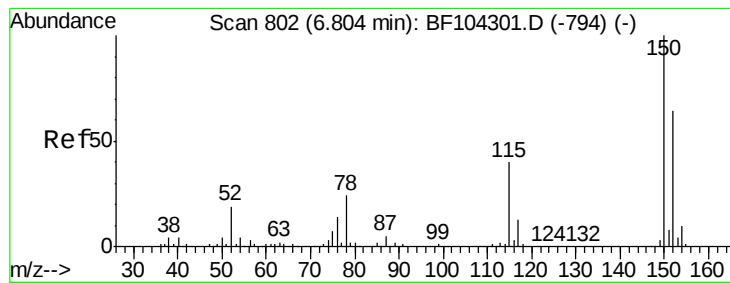
Instrument :  
 BNA\_F  
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Quant Time: May 02 06:55:31 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 170465   | 36.540 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.12  | 196  | 182325   | 34.925 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 9.26  | 154  | 691648   | 35.070 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 538456   | 34.566 | ng    | 100      |
| 47) 2-Nitroaniline             | 9.39  | 65   | 155341   | 40.323 | ng    | 93       |
| 48) Acenaphthylene             | 9.70  | 152  | 775432   | 31.727 | ng    | 99       |
| 49) Dimethylphthalate          | 9.56  | 163  | 650568   | 35.141 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 139487   | 40.719 | ng    | 92       |
| 51) Acenaphthene               | 9.87  | 154  | 459888   | 30.839 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.80  | 138  | 99876    | 24.904 | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 24262    | 27.182 | ng    | # 18     |
| 54) Dibenzofuran               | 10.04 | 168  | 681390   | 32.788 | ng    | 96       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 170252   | 54.043 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 168402   | 37.477 | ng    | 95       |
| 57) Fluorene                   | 10.39 | 166  | 544893   | 36.022 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 130119   | 33.409 | ng    | 92       |
| 59) Diethylphthalate           | 10.26 | 149  | 614050   | 33.304 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 259305   | 38.492 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 132005   | 33.664 | ng    | 94       |
| 62) Azobenzene                 | 10.53 | 77   | 536032   | 30.430 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 23115    | 17.687 | ng    | 85       |
| 65) n-Nitrosodiphenylamine     | 10.50 | 169  | 488434   | 36.237 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.86 | 248  | 155375   | 37.575 | ng    | 98       |
| 67) Hexachlorobenzene          | 10.93 | 284  | 166469   | 35.778 | ng    | 92       |
| 68) Atrazine                   | 11.03 | 200  | 156353   | 38.430 | ng    | 98       |
| 69) Pentachlorophenol          | 11.13 | 266  | 117777   | 40.917 | ng    | 98       |
| 70) Phenanthrene               | 11.35 | 178  | 713294   | 32.948 | ng    | 99       |
| 71) Anthracene                 | 11.40 | 178  | 733025   | 33.309 | ng    | 98       |
| 72) Carbazole                  | 11.56 | 167  | 661770   | 30.774 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.88 | 149  | 894113   | 34.037 | ng    | 99       |
| 74) Fluoranthene               | 12.54 | 202  | 624542   | 27.611 | ng    | 98       |
| 76) Benzidine                  | 12.67 | 184  | 268007   | 32.193 | ng    | 98       |
| 77) Pyrene                     | 12.77 | 202  | 599437   | 34.901 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.40 | 149  | 306447   | 37.872 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 511826   | 36.974 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 177984   | 34.484 | ng    | 97       |
| 82) Chrysene                   | 14.05 | 228  | 485130   | 34.119 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 419467   | 40.303 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.66 | 149  | 660164   | 37.961 | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.06 | 276  | 393723   | 32.597 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.14 | 252  | 473515   | 34.754 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.17 | 252  | 474638   | 36.900 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.51 | 252  | 439930   | 36.088 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.07 | 278  | 342413   | 34.200 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.50 | 276  | 309484   | 31.905 | ng    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

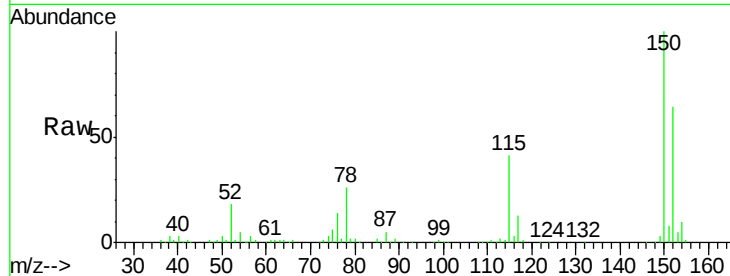
Tgt Ion:152 Resp: 124045

Ion Ratio Lower Upper

152 100

150 156.0 124.6 186.8

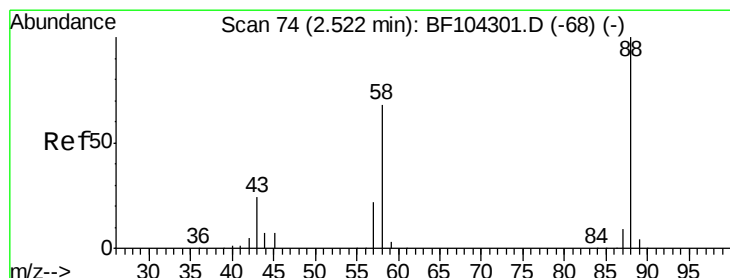
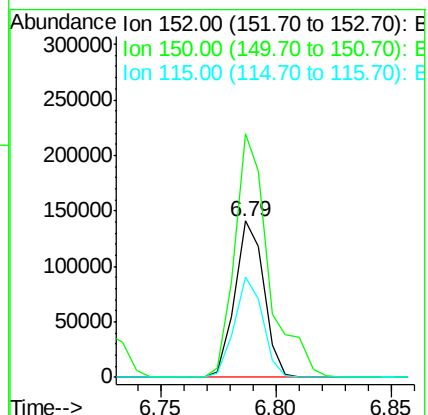
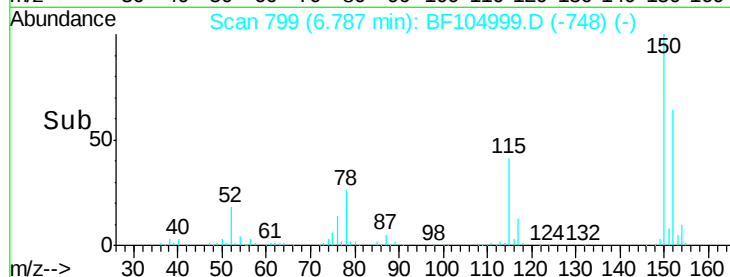
115 64.0 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 26.777 ng

RT: 2.56 min Scan# 81

Delta R.T. 0.06 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

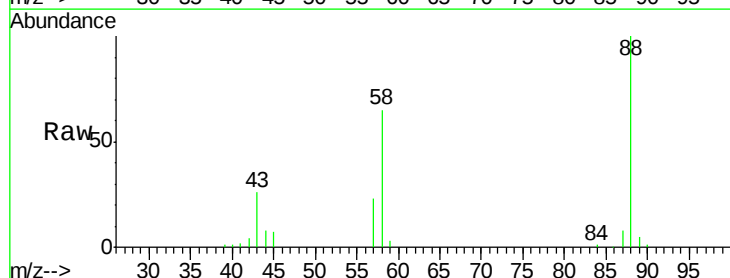
Tgt Ion: 88 Resp: 101218

Ion Ratio Lower Upper

88 100

58 64.5 62.6 93.8

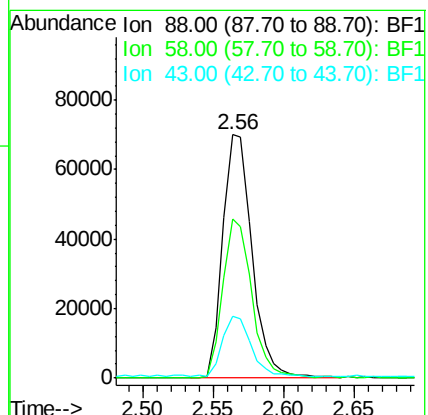
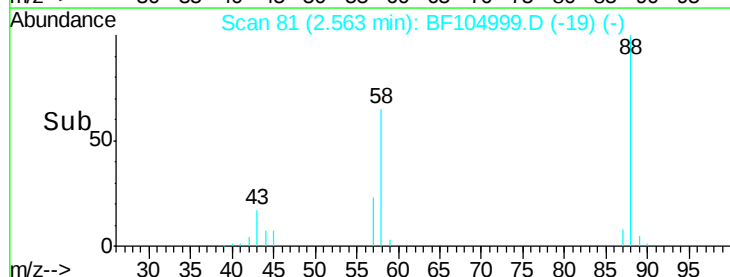
43 24.2 24.6 37.0#

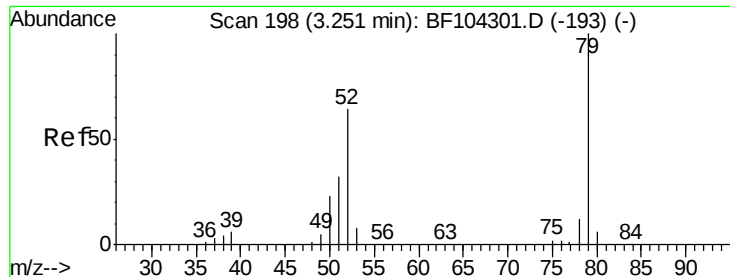


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 26.923 ng

RT: 3.30 min Scan# 207

Delta R.T. 0.07 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

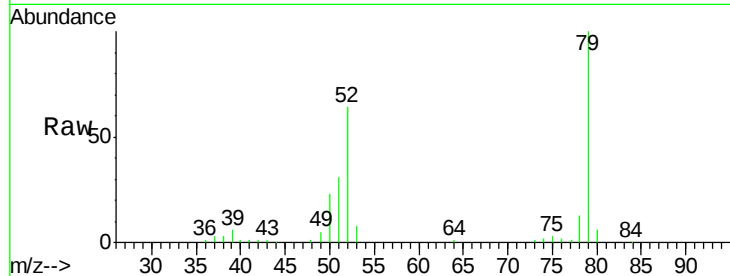
Tgt Ion: 79 Resp: 286138

Ion Ratio Lower Upper

79 100

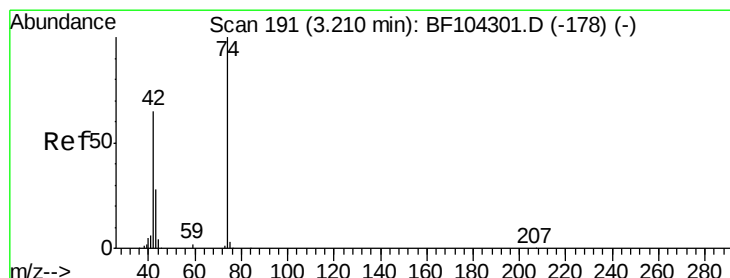
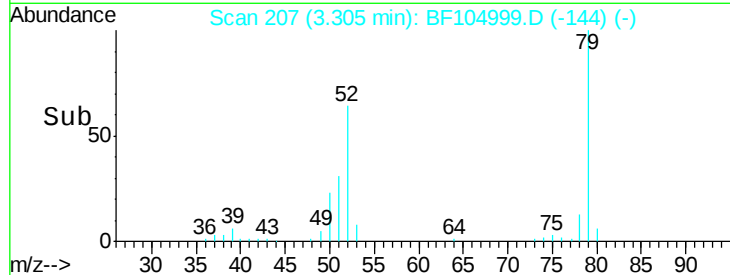
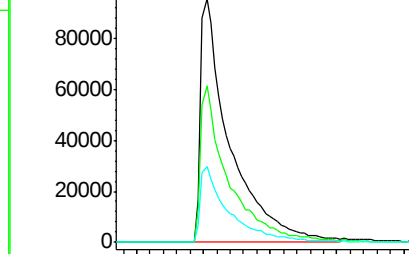
52 64.2 59.8 89.6

51 31.0 29.8 44.8



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

3.30



#4

n-Nitrosodimethylamine

Concen: 31.096 ng

RT: 3.27 min Scan# 201

Delta R.T. 0.06 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

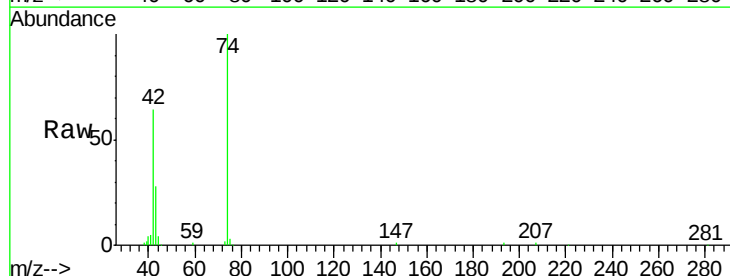
Tgt Ion: 42 Resp: 115525

Ion Ratio Lower Upper

42 100

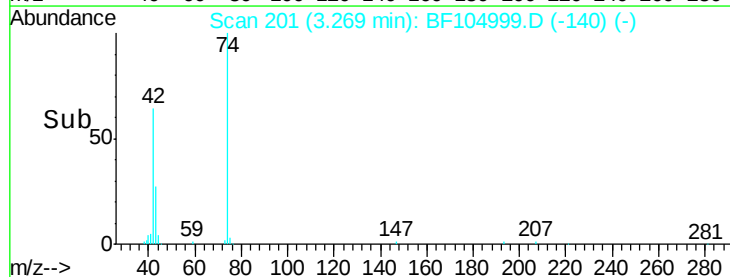
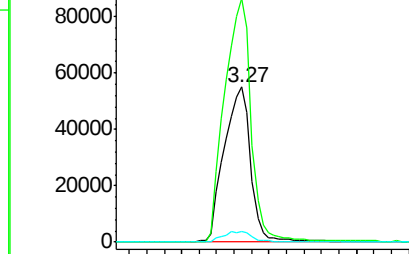
74 156.8 104.9 157.3

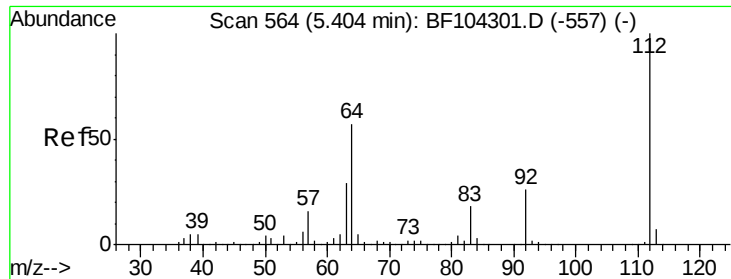
44 6.7 6.9 10.3#



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

3.27





#5

2-Fluorophenol

Concen: 101.065 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

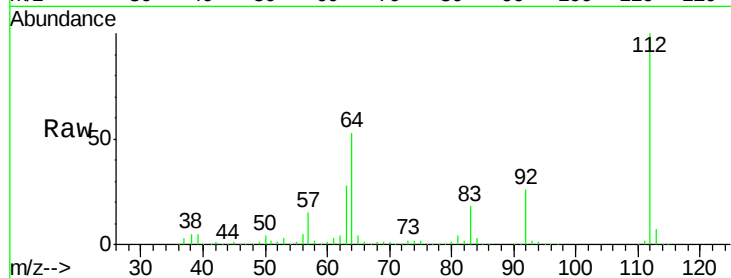
Tgt Ion: 112 Resp: 819893

Ion Ratio Lower Upper

112 100

64 53.5 47.9 71.9

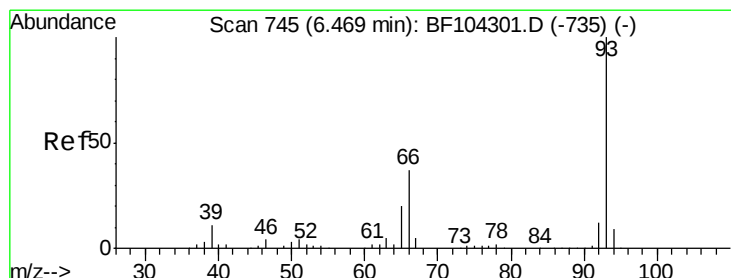
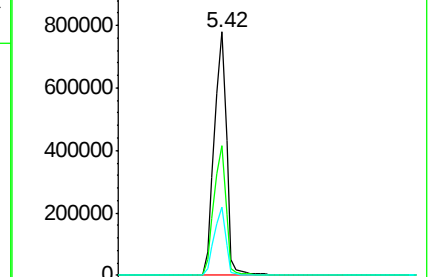
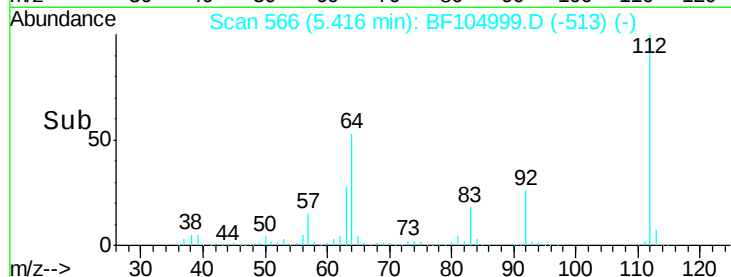
63 27.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.689 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

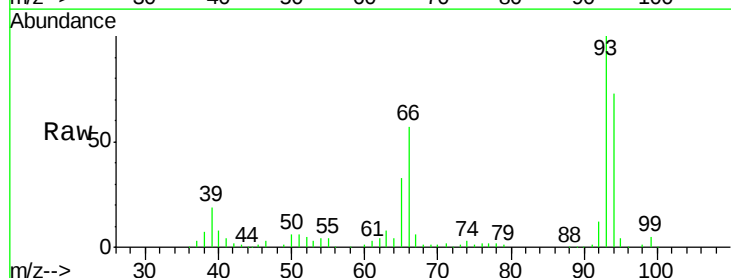
Tgt Ion: 93 Resp: 258806

Ion Ratio Lower Upper

93 100

66 57.2 32.2 48.2#

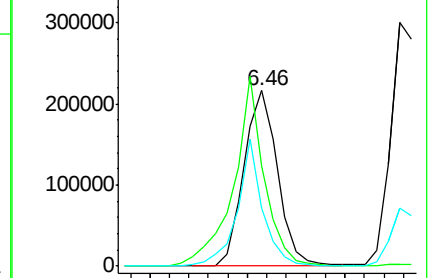
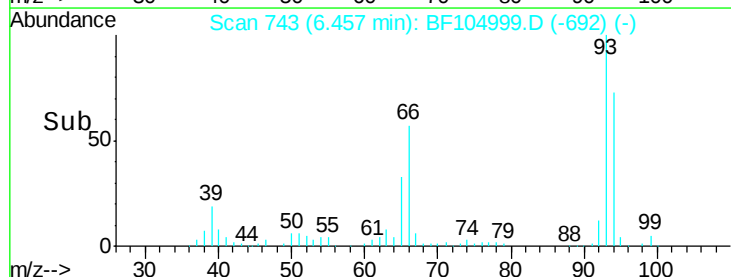
65 32.8 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 99.824 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

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ClientSampleId :

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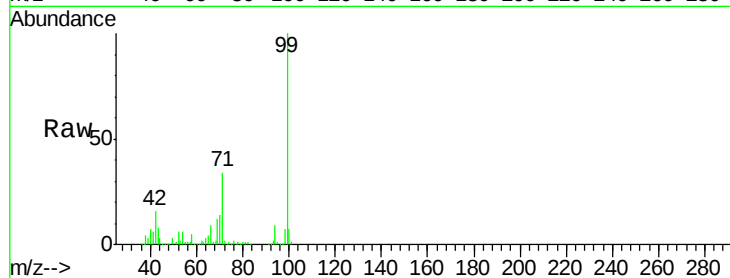
Tgt Ion: 99 Resp: 995007

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

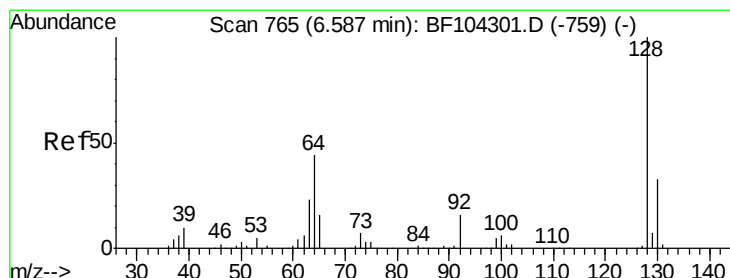
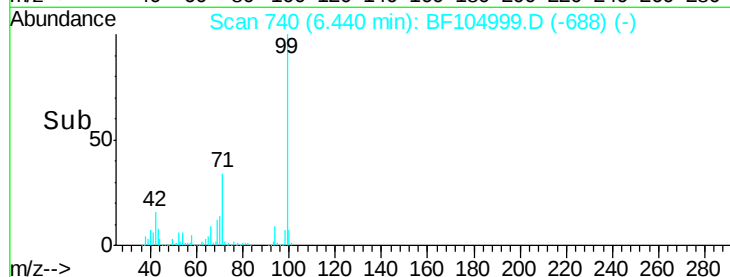
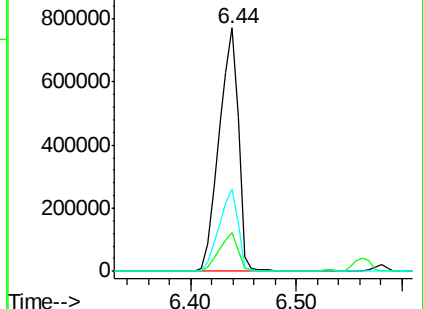
71 33.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 35.816 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

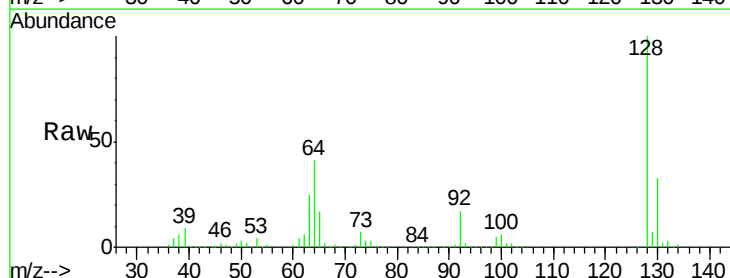
Tgt Ion: 128 Resp: 306674

Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

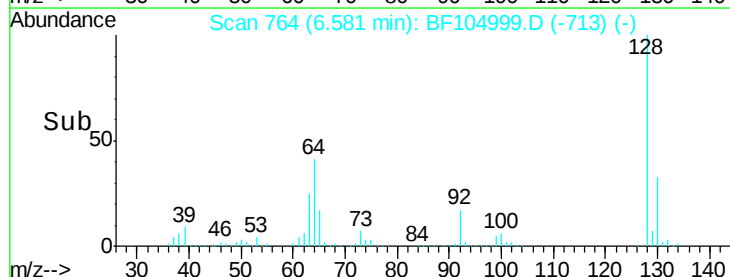
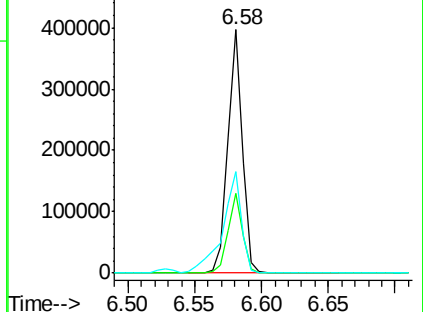
64 41.5 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 32.656 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

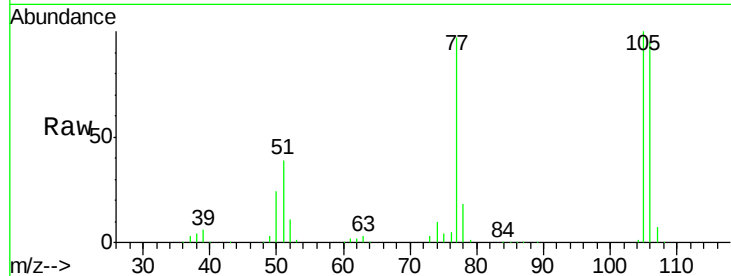
Tgt Ion: 77 Resp: 174961

Ion Ratio Lower Upper

77 100

105 102.9 81.1 121.1

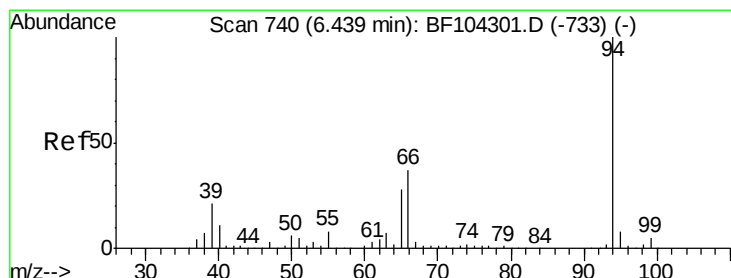
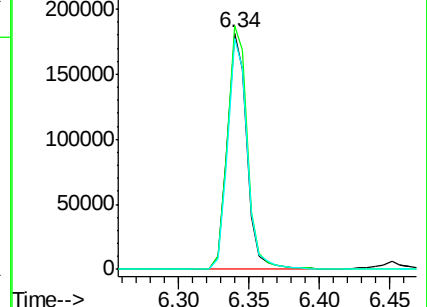
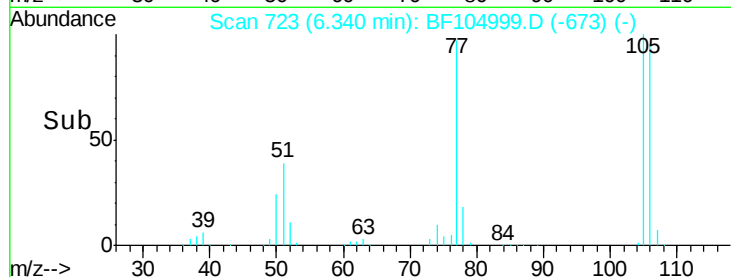
106 97.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 33.959 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

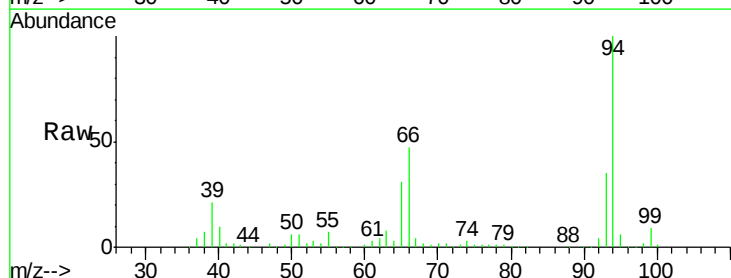
Tgt Ion: 94 Resp: 359154

Ion Ratio Lower Upper

94 100

65 31.4 7.9 47.9

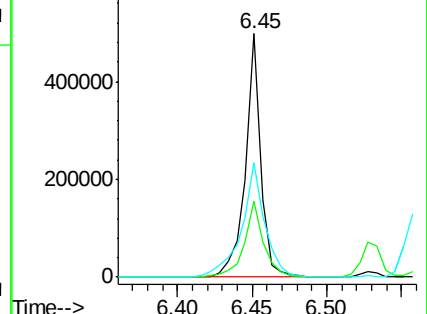
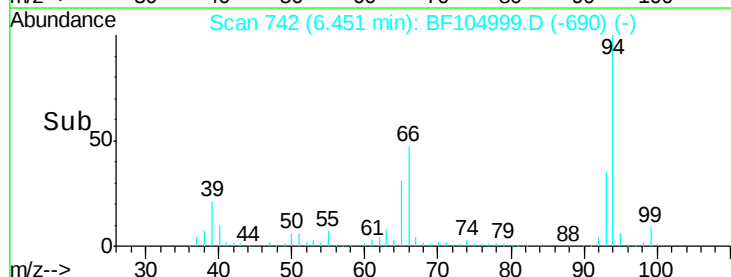
66 47.0 16.2 56.2

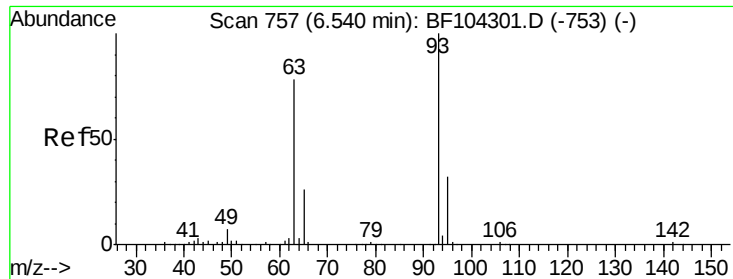


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

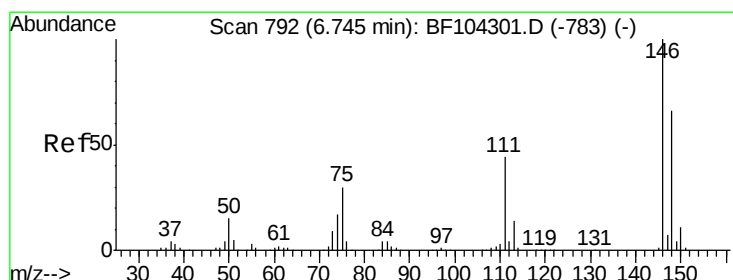
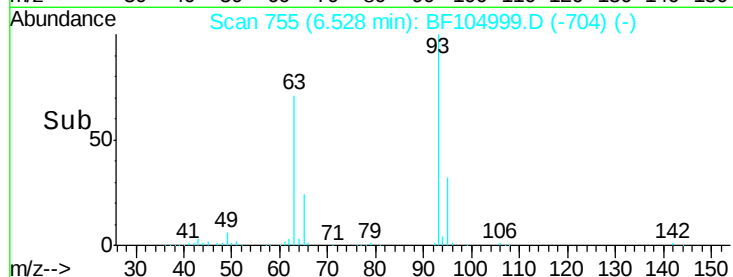
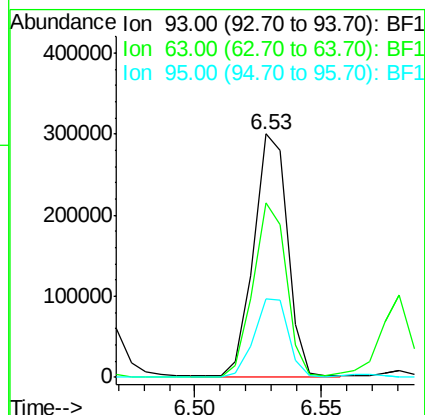
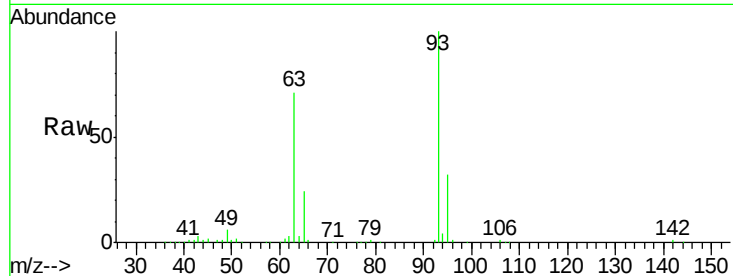




#11  
bis(2-Chloroethyl)ether  
Concen: 33.585 ng  
RT: 6.53 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

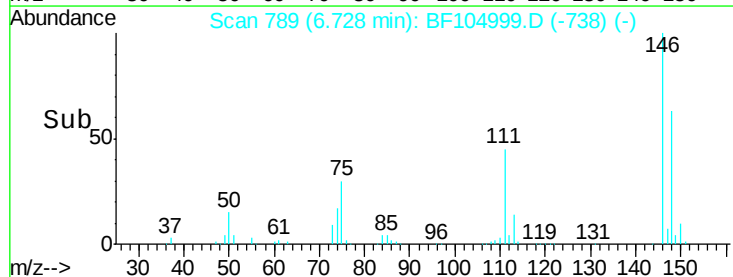
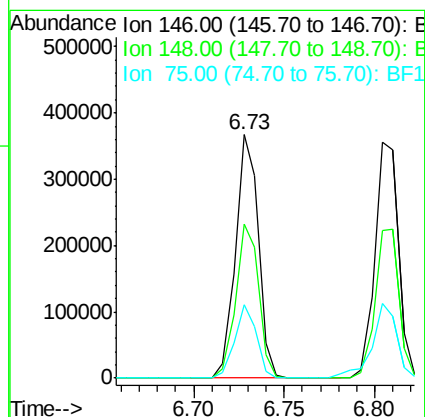
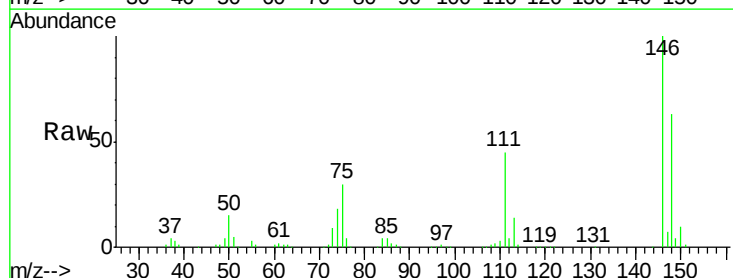
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

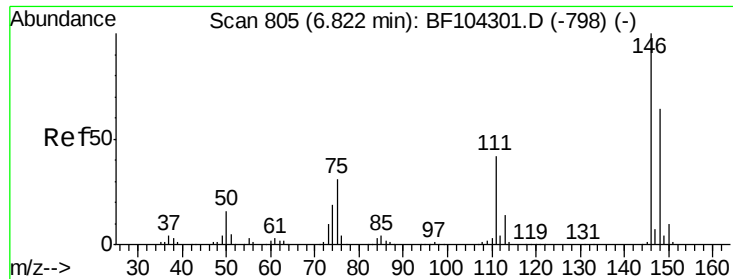
Tgt Ion: 93 Resp: 283450  
Ion Ratio Lower Upper  
93 100  
63 71.4 58.6 98.6  
95 32.3 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 33.306 ng  
RT: 6.73 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion: 146 Resp: 323080  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.8 77.8  
75 29.9 24.2 36.4

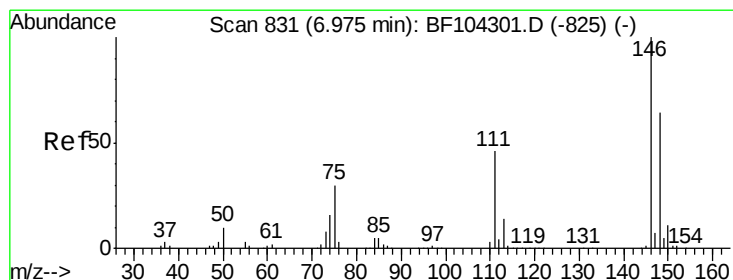
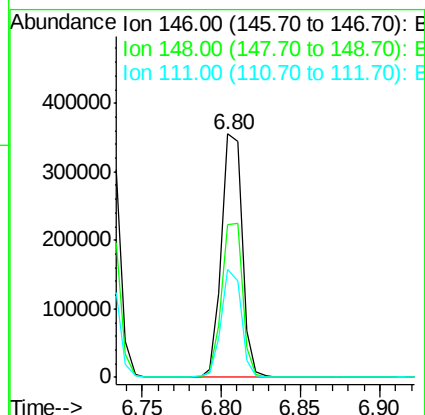
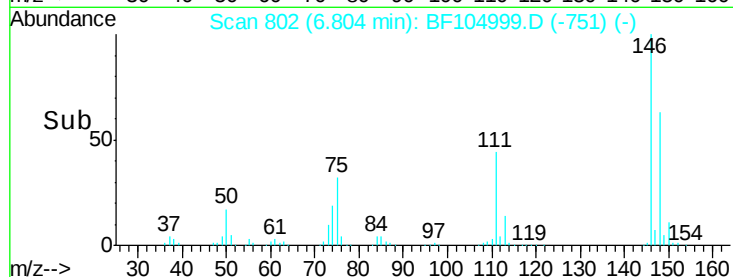
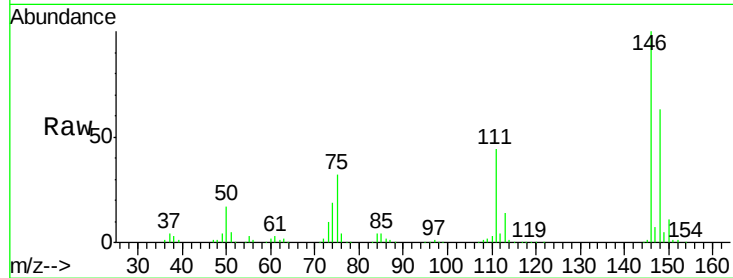




#13  
 1,4-Dichlorobenzene  
 Concen: 33.504 ng  
 RT: 6.80 min Scan# 802  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

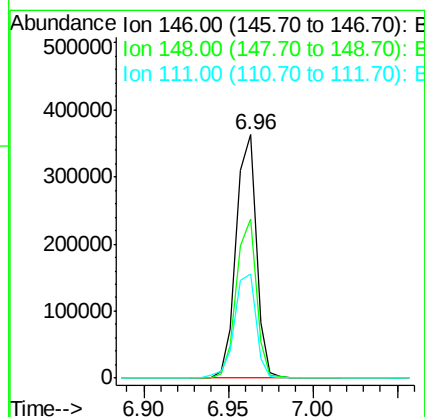
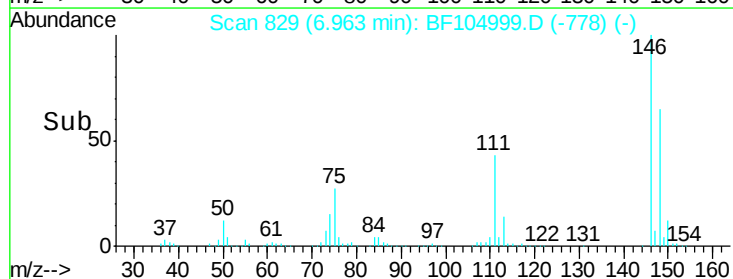
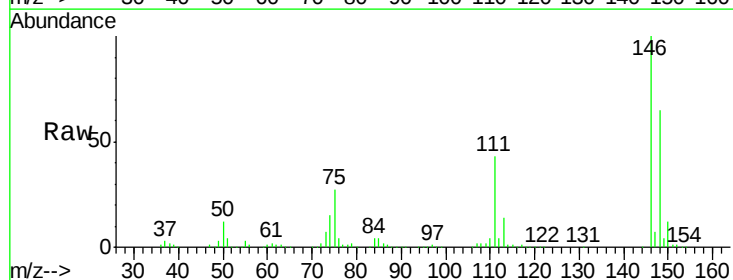
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

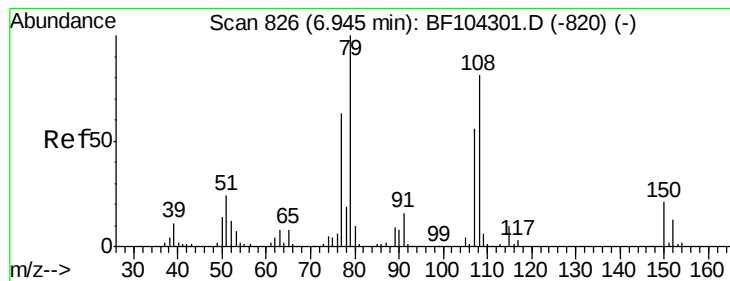
Tgt Ion:146 Resp: 323972  
 Ion Ratio Lower Upper  
 146 100  
 148 62.8 50.8 76.2  
 111 44.3 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 33.620 ng  
 RT: 6.96 min Scan# 829  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:146 Resp: 301265  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 50.6 75.8  
 111 42.6 36.0 54.0





#15

Benzyl Alcohol

Concen: 31.402 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

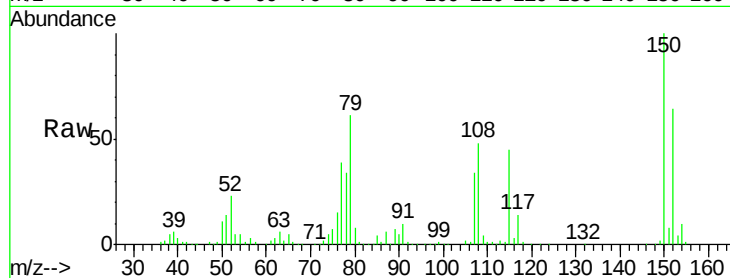
Tgt Ion: 79 Resp: 237732

Ion Ratio Lower Upper

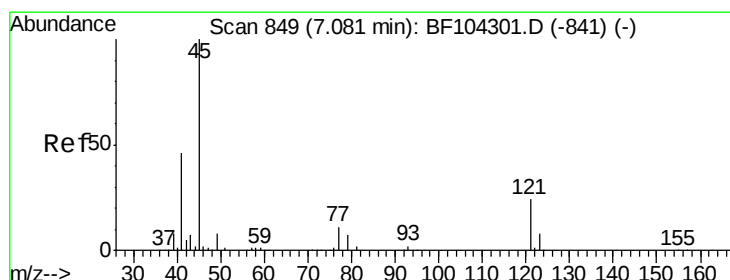
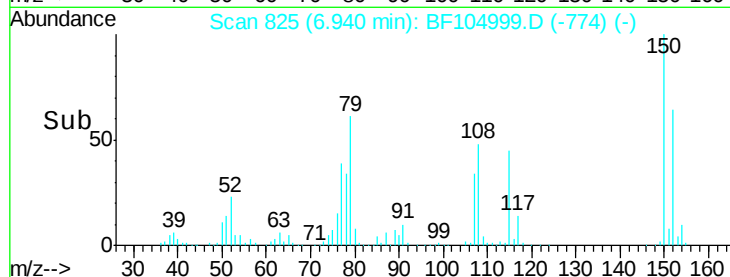
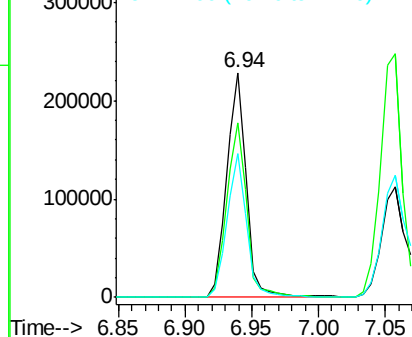
79 100

108 77.6 65.1 97.7

77 63.8 50.6 75.8



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: 27.861 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

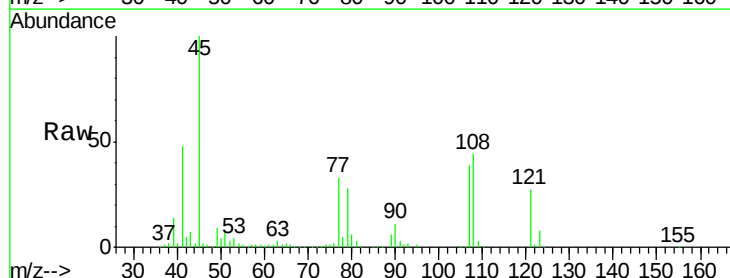
Tgt Ion: 45 Resp: 315782

Ion Ratio Lower Upper

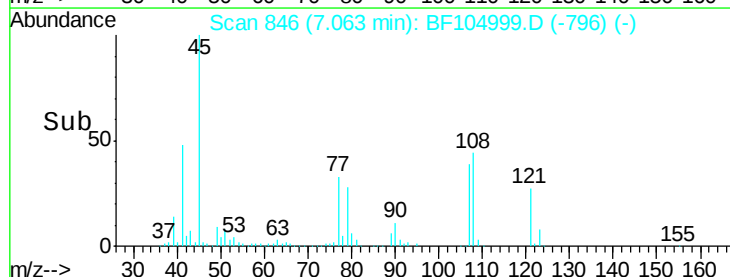
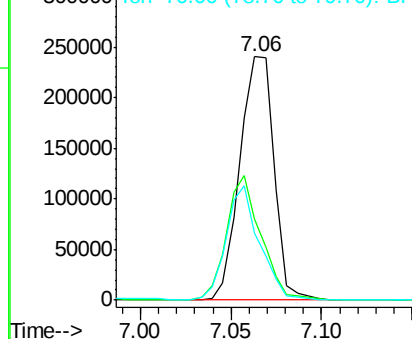
45 100

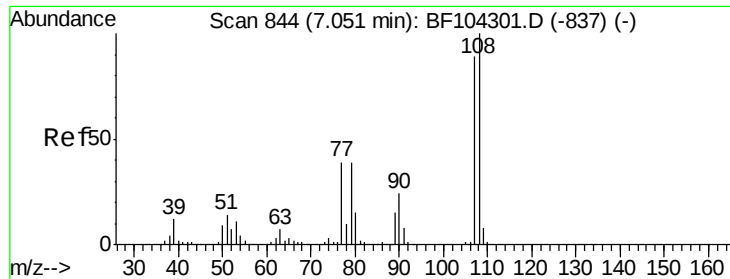
77 33.1 0.0 32.9#

79 27.8 0.0 29.6



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

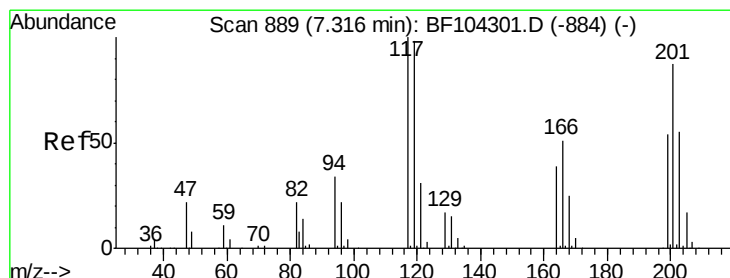
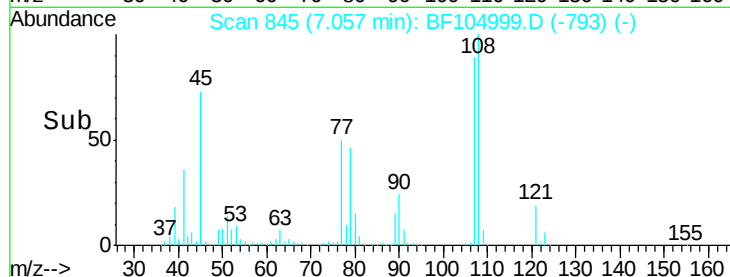
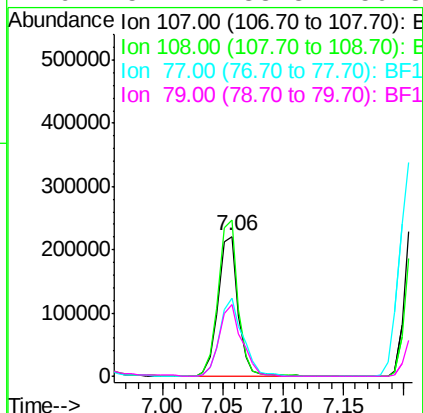
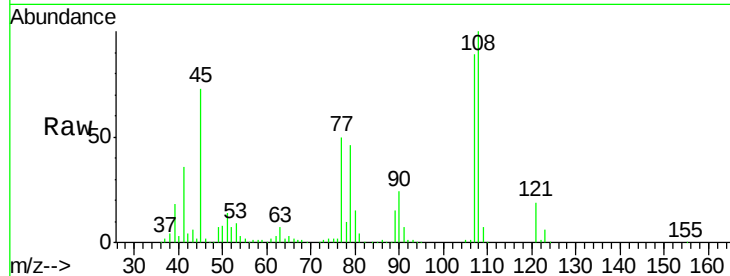




#17  
2-Methylphenol  
Concen: 33.680 ng  
RT: 7.06 min Scan# 845  
Delta R.T. 0.01 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

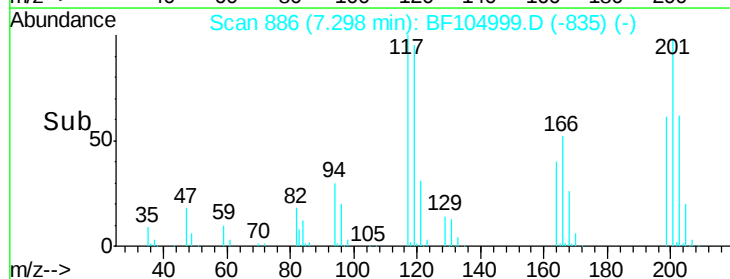
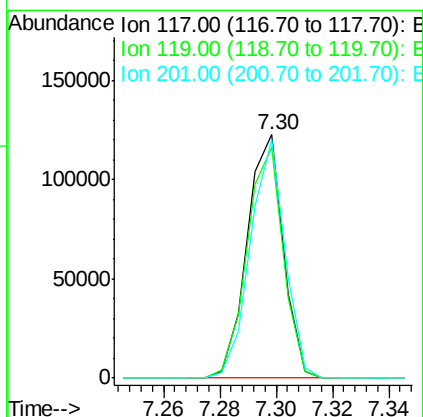
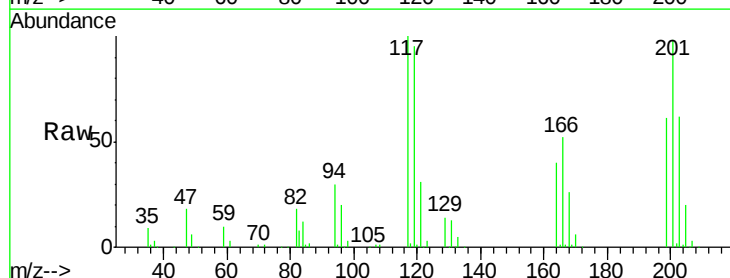
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

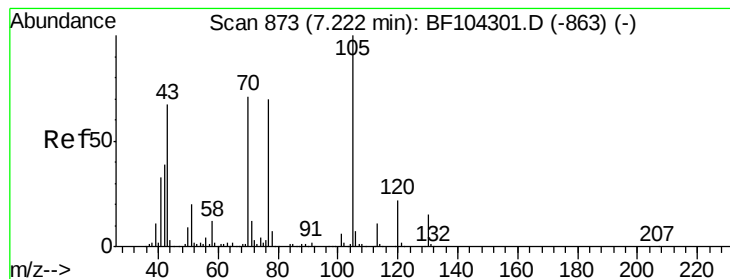
Tgt Ion:107 Resp: 250682  
Ion Ratio Lower Upper  
107 100  
108 112.0 91.7 137.5  
77 55.9 33.8 50.8#  
79 51.1 33.8 50.8#



#18  
Hexachloroethane  
Concen: 31.568 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:117 Resp: 108836  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.8 113.8  
201 98.0 75.7 113.5





#19

n-Nitroso-di-n-propylamine

Concen: 29.468 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

Tgt Ion: 70 Resp: 191941

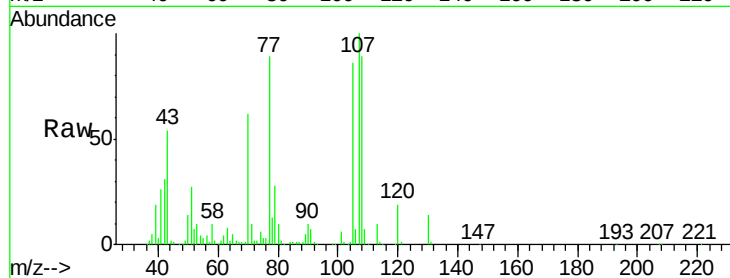
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 10.0 7.4 11.2

130 23.3 16.6 25.0



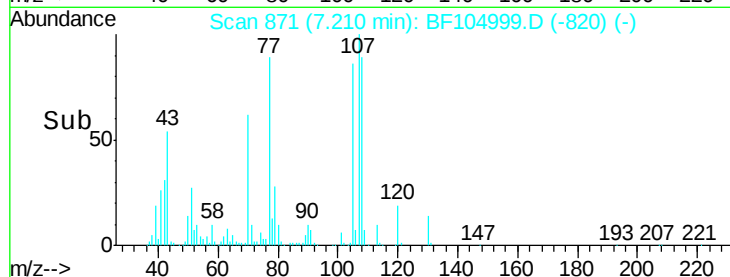
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

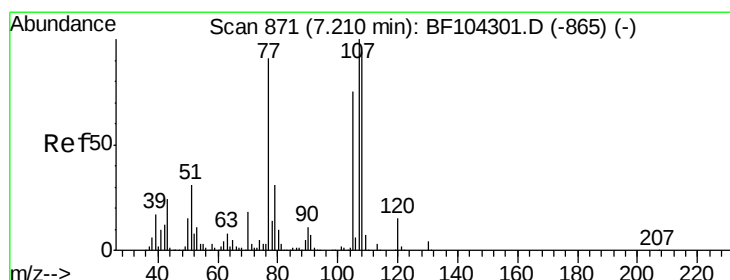
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



Time-->



#20

3+4-Methylphenols

Concen: 33.619 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Tgt Ion: 107 Resp: 310338

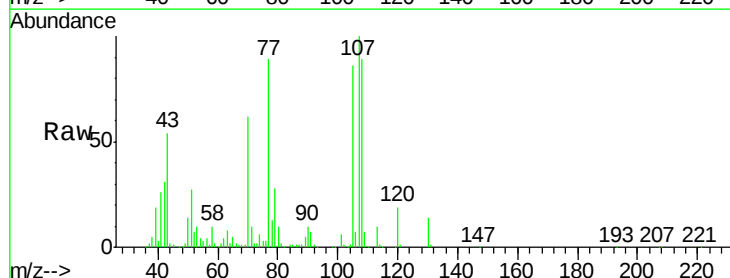
Ion Ratio Lower Upper

107 100

108 89.1 68.2 108.2

77 88.7 26.7 66.7#

79 28.2 6.3 46.3



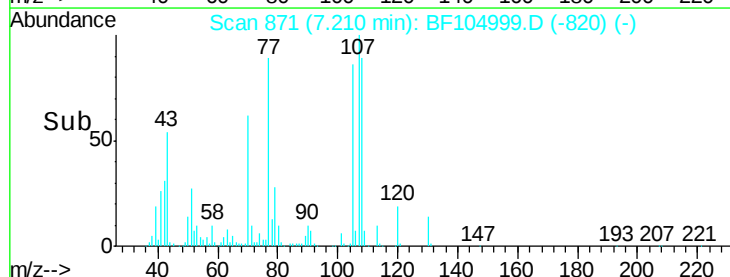
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

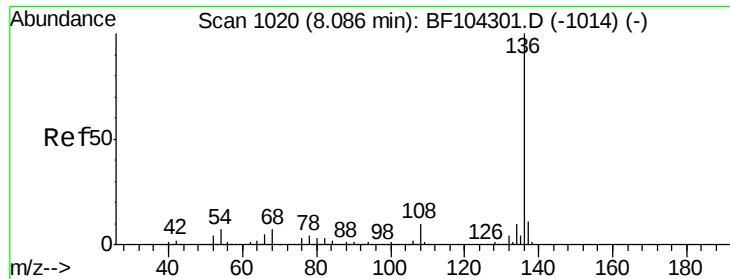
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

Tgt Ion:136 Resp: 517611

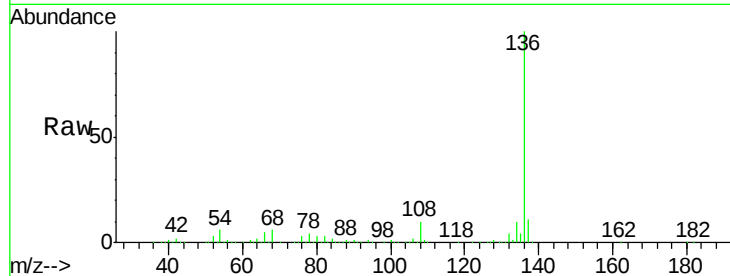
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4

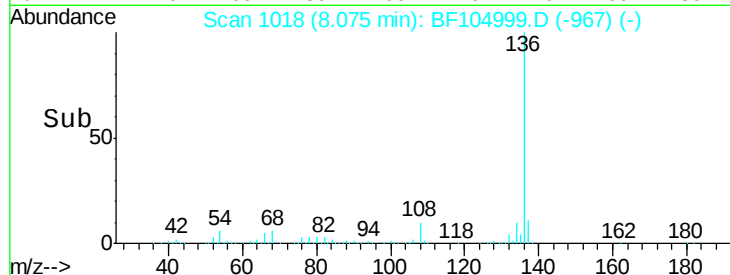


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

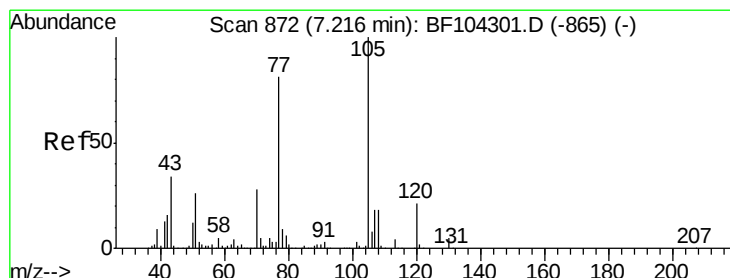
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

8.07



#22

Acetophenone

Concen: 31.675 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Tgt Ion:105 Resp: 403647

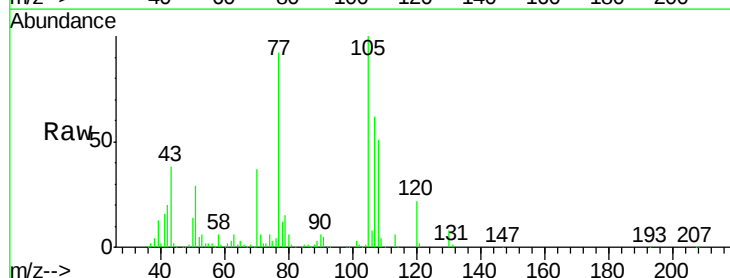
Ion Ratio Lower Upper

105 100

71 6.3 4.4 6.6

51 29.3 22.3 33.5

120 21.8 16.9 25.3

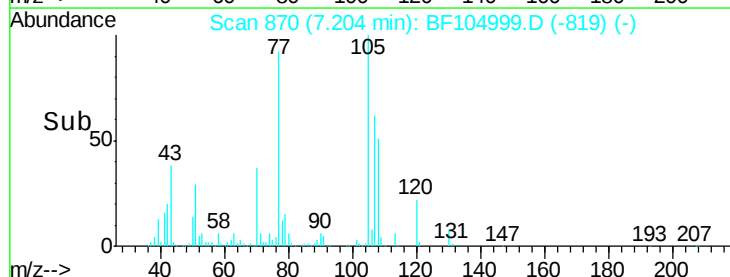


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

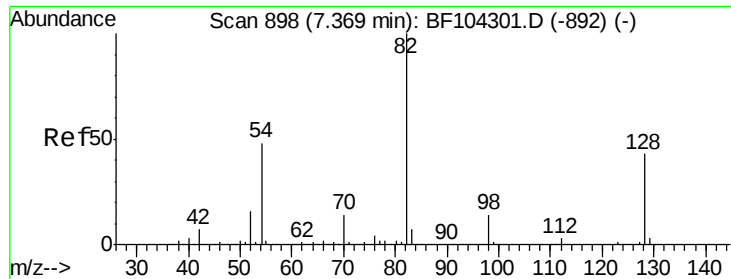
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

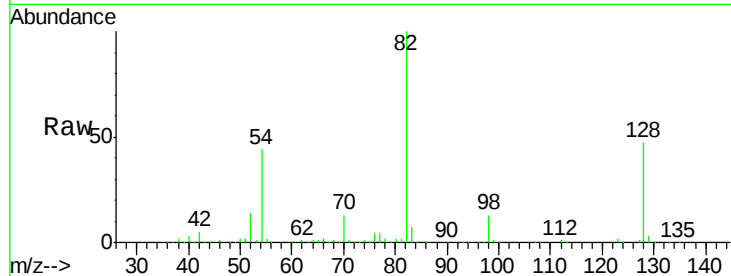
7.20



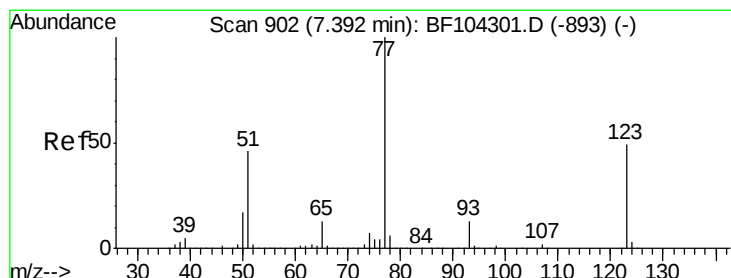
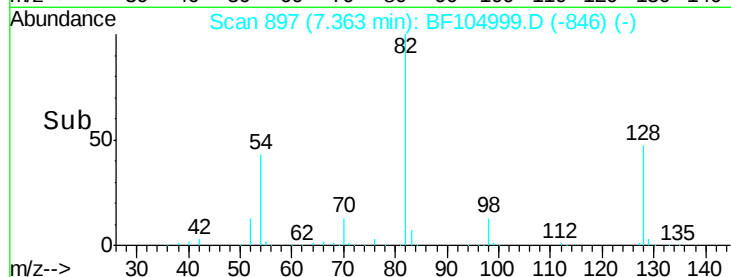
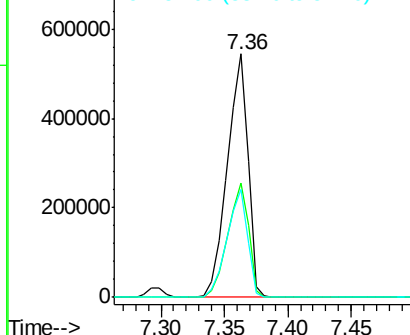
#23  
 Nitrobenzene-d5  
 Concen: 77.319 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion: 82 Resp: 612899  
 Ion Ratio Lower Upper  
 82 100  
 128 46.9 36.1 54.1  
 54 44.1 41.4 62.2

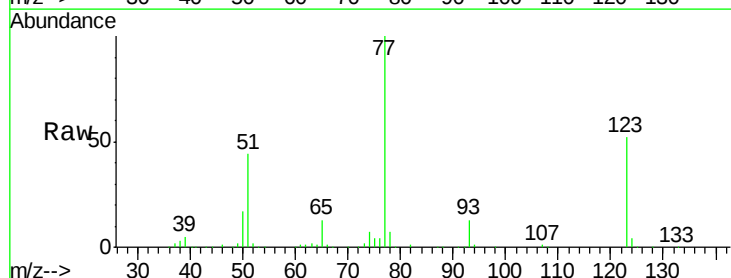


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

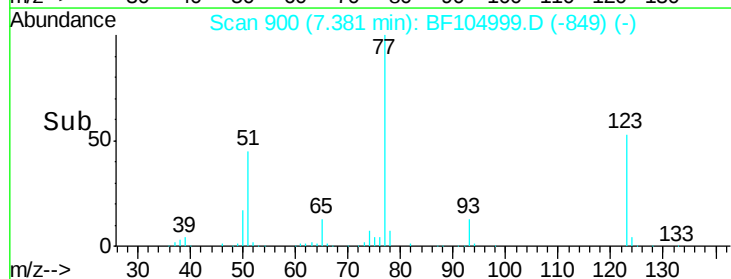
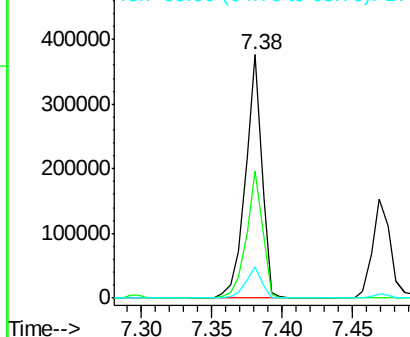


#24  
 Nitrobenzene  
 Concen: 34.784 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion: 77 Resp: 304426  
 Ion Ratio Lower Upper  
 77 100  
 123 52.3 37.9 56.9  
 65 12.9 11.0 16.4



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





#25

Isophorone

Concen: 33.354 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

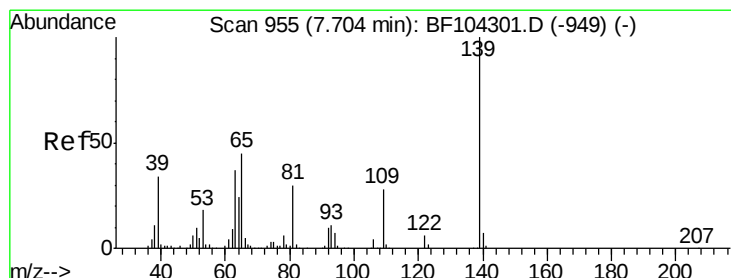
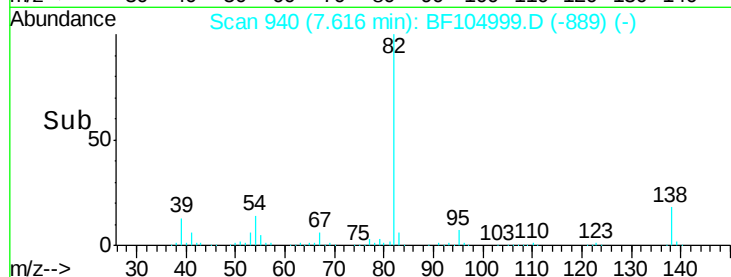
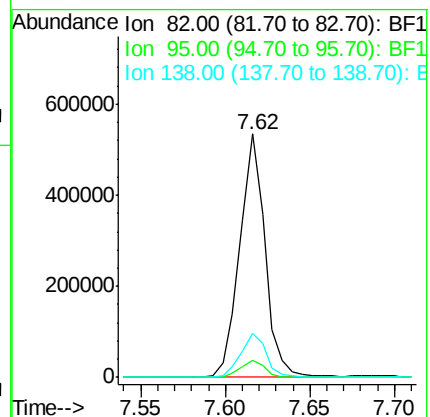
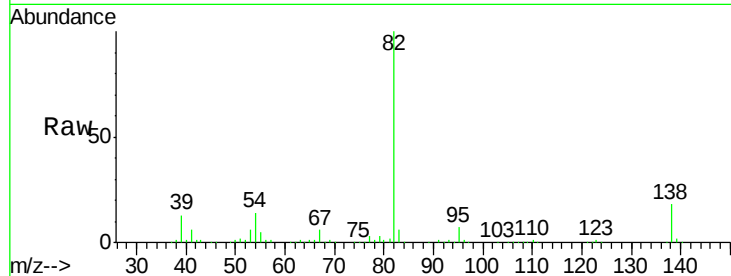
Tgt Ion: 82 Resp: 559100

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

138 18.1 14.9 22.3



#26

2-Nitrophenol

Concen: 45.852 ng

RT: 7.69 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

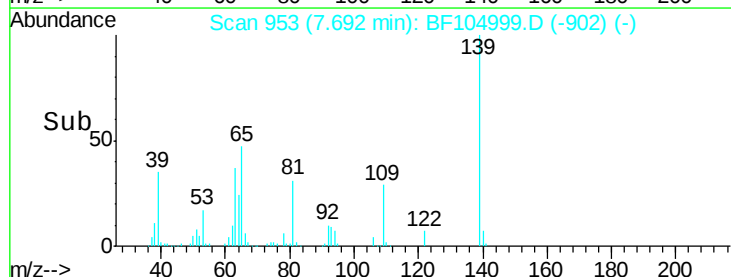
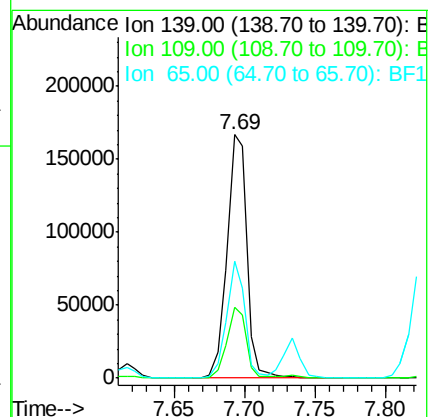
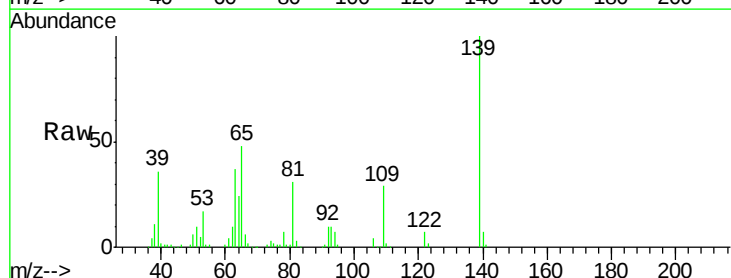
Tgt Ion: 139 Resp: 163366

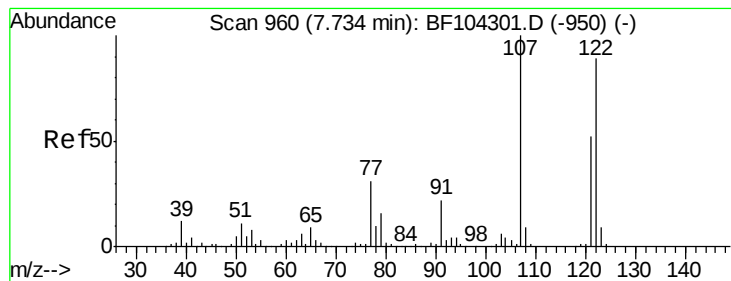
Ion Ratio Lower Upper

139 100

109 29.2 22.7 34.1

65 48.1 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 35.850 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

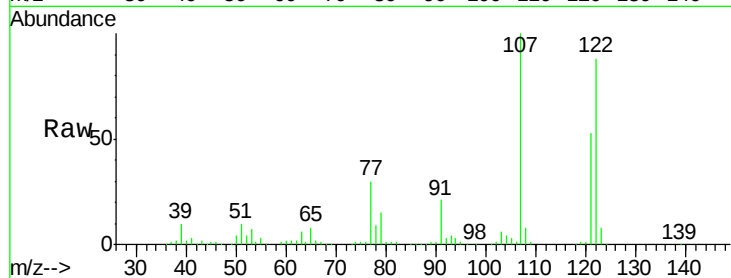
Tgt Ion: 122 Resp: 265211

Ion Ratio Lower Upper

122 100

107 114.0 91.2 136.8

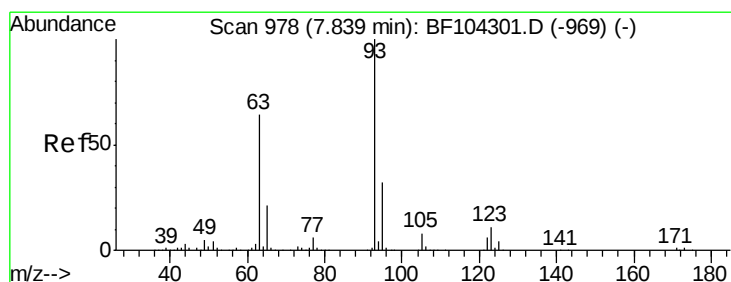
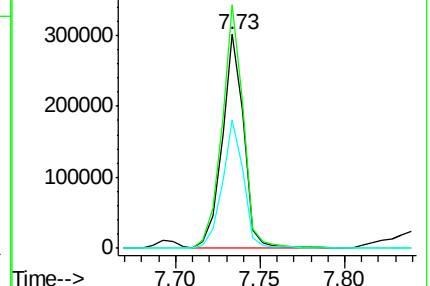
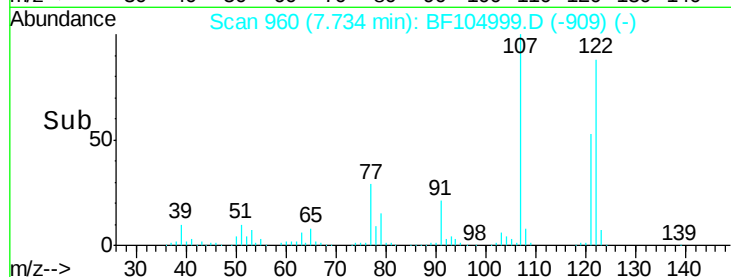
121 60.0 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 35.121 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

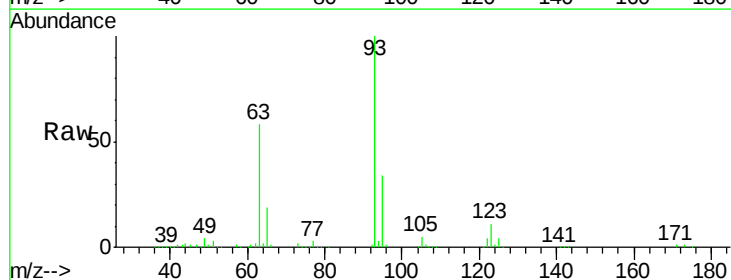
Tgt Ion: 93 Resp: 359949

Ion Ratio Lower Upper

93 100

95 33.7 26.3 39.5

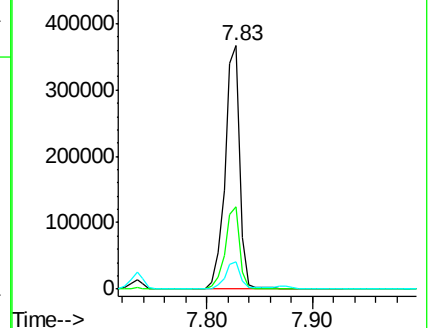
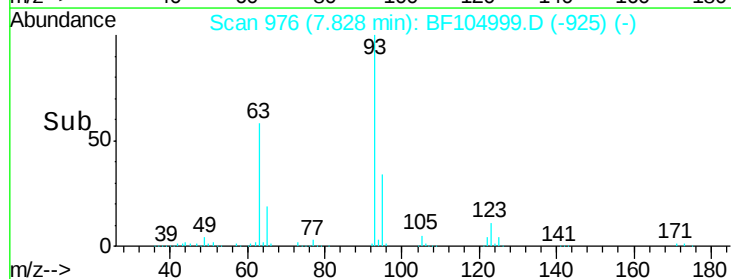
123 11.4 9.8 14.6

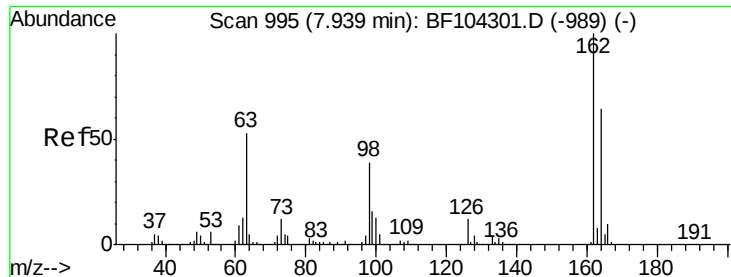


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

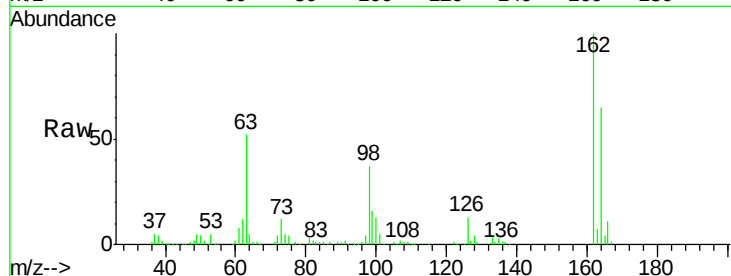




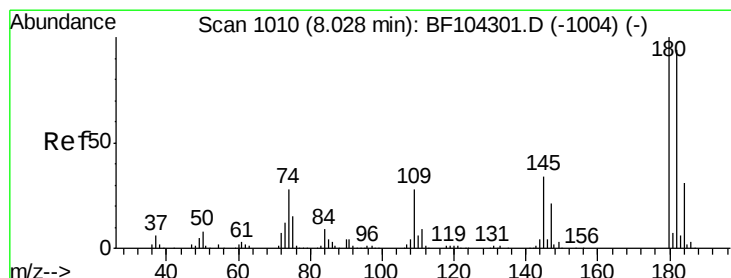
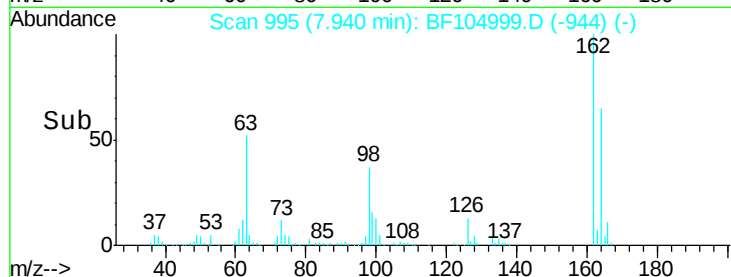
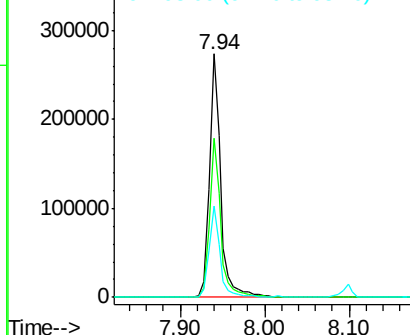
#29  
2,4-Dichlorophenol  
Concen: 36.144 ng  
RT: 7.94 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.1  | 42.7  | 82.7  |
| 98      | 37.4  | 18.1  | 58.1  |

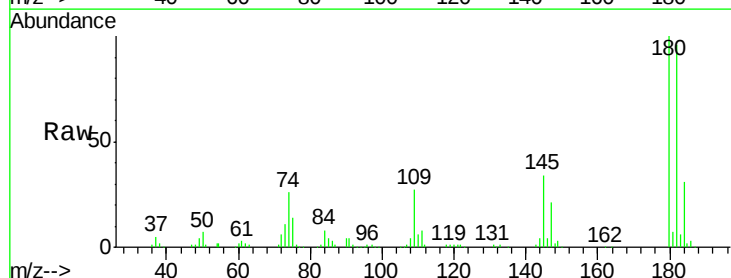


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

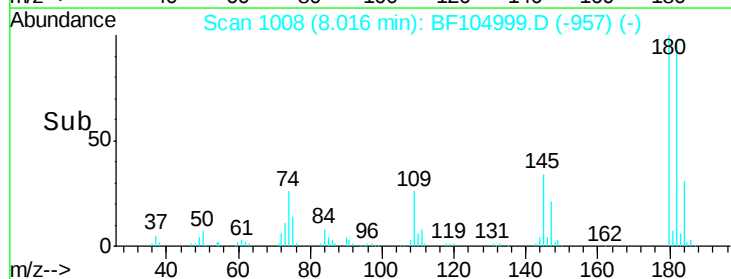
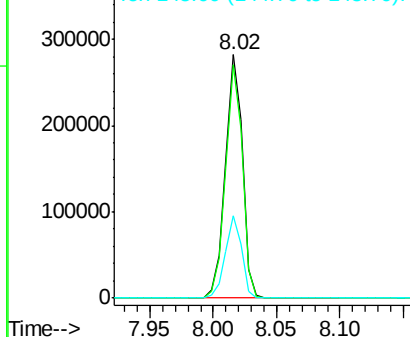


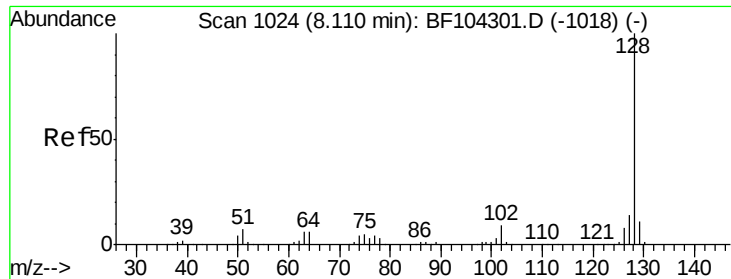
#30  
1,2,4-Trichlorobenzene  
Concen: 34.016 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 76.8  | 115.2 |
| 145     | 33.6  | 26.5  | 39.7  |



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

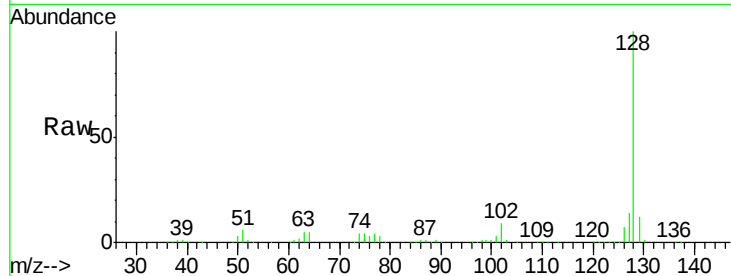




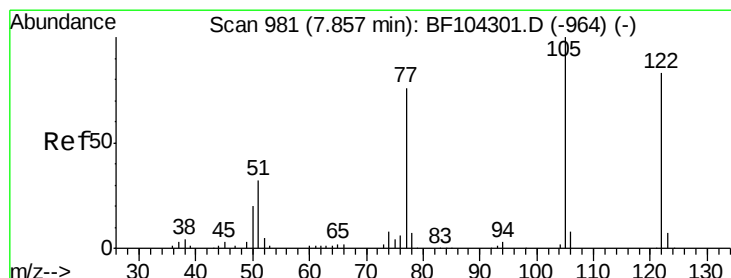
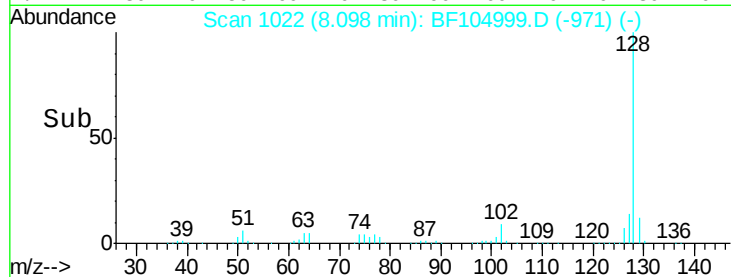
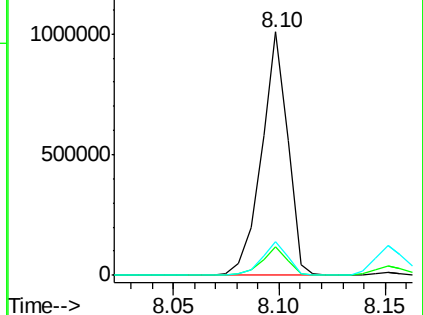
#31  
Naphthalene  
Concen: 33.570 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

Tgt Ion:128 Resp: 865236  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.8 13.2  
127 13.7 10.9 16.3

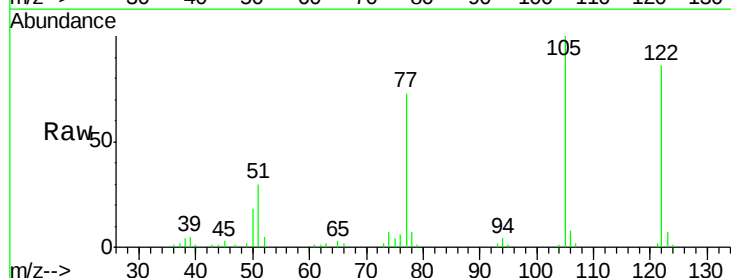


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

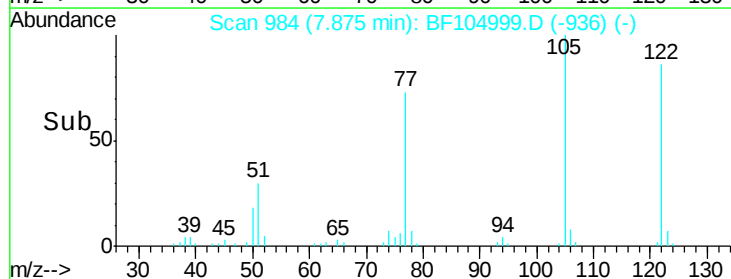
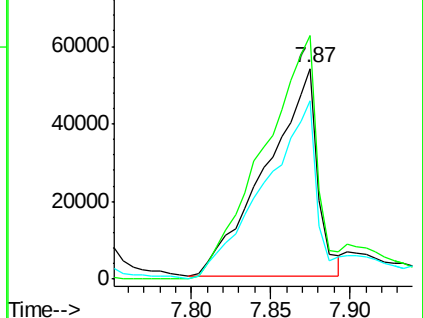


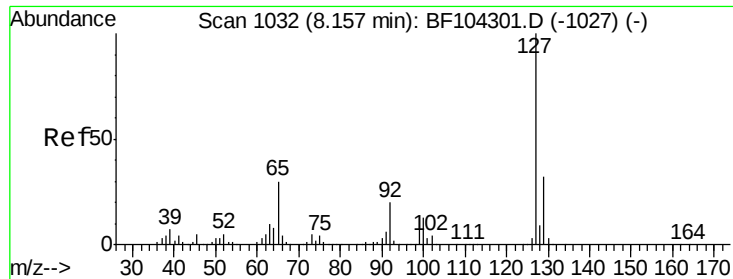
#32  
Benzoic acid  
Concen: 20.202 ng  
RT: 7.87 min Scan# 984  
Delta R.T. -0.02 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:122 Resp: 119247  
Ion Ratio Lower Upper  
122 100  
105 115.7 101.1 141.1  
77 84.6 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

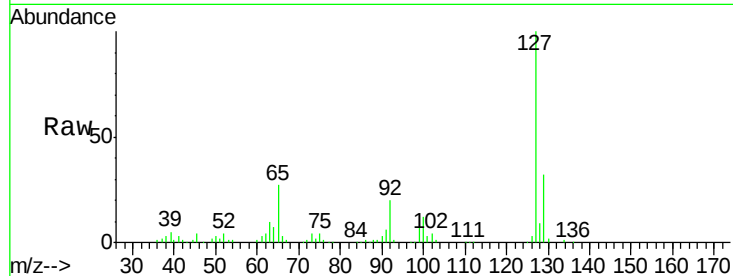




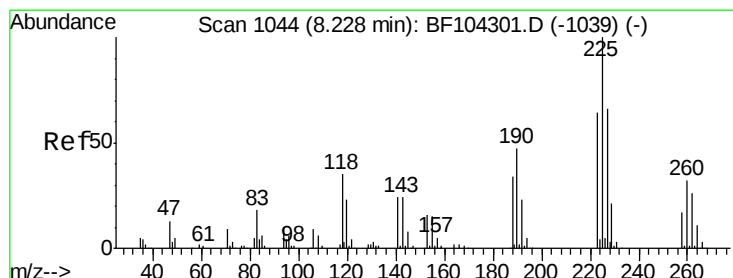
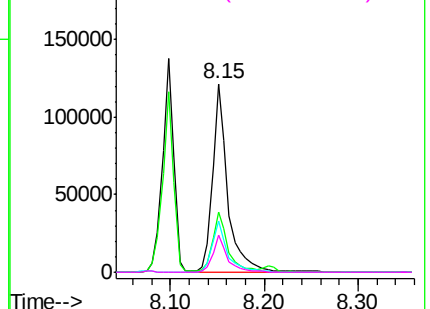
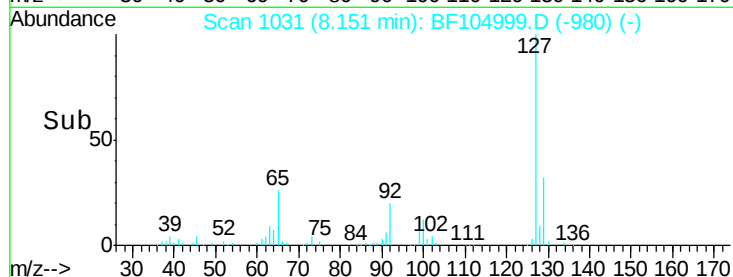
#33  
4-Chloroaniline  
Concen: 12.683 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 140051 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.7  | 25.9  | 38.9   |
| 65       | 27.1  | 25.0  | 37.4   |
| 92       | 19.6  | 15.2  | 22.8   |

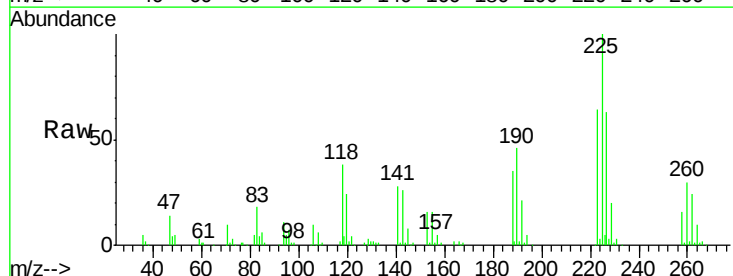


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

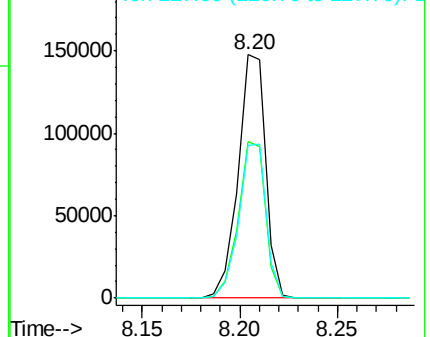
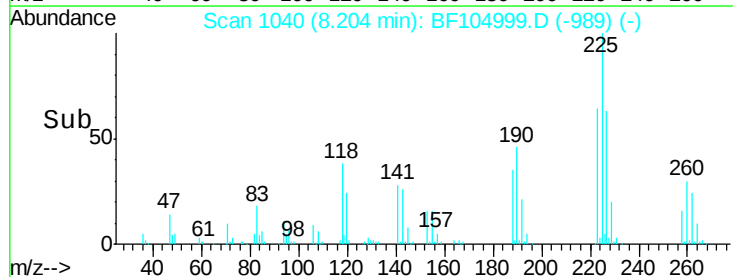


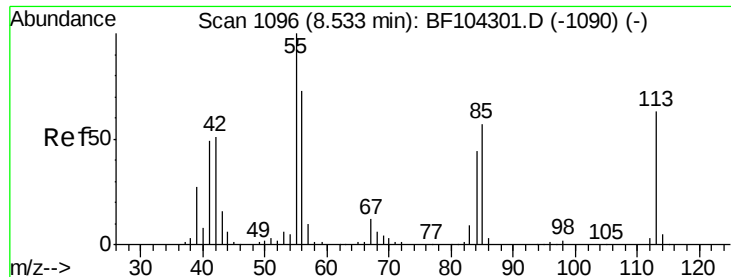
#34  
Hexachlorobutadiene  
Concen: 34.017 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 144337 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.2  | 50.6  | 76.0   |
| 227      | 62.9  | 51.9  | 77.9   |



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

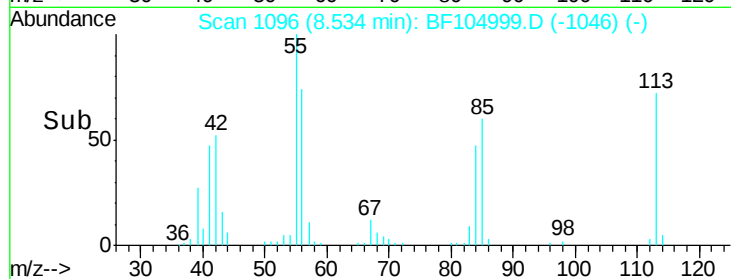
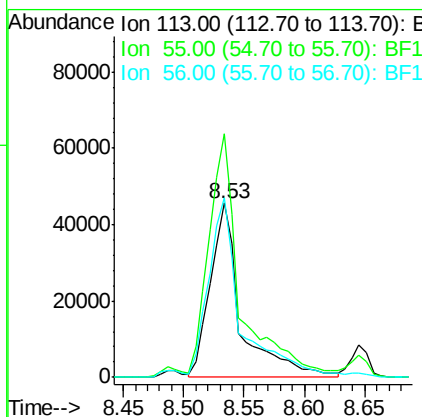
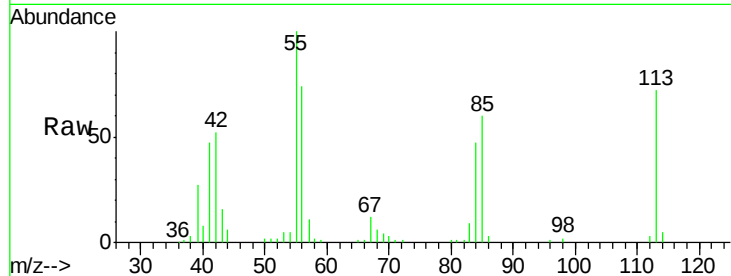




#35  
 Caprolactam  
 Concen: 32.921 ng  
 RT: 8.53 min Scan# 1096  
 Delta R.T. -0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

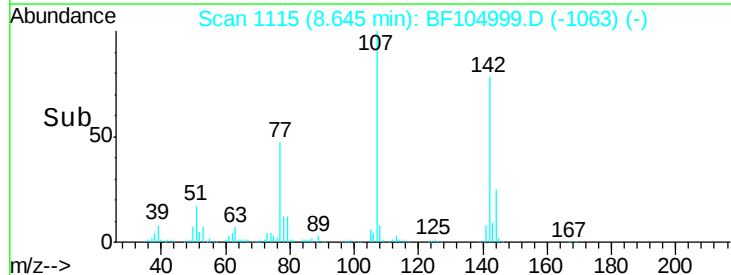
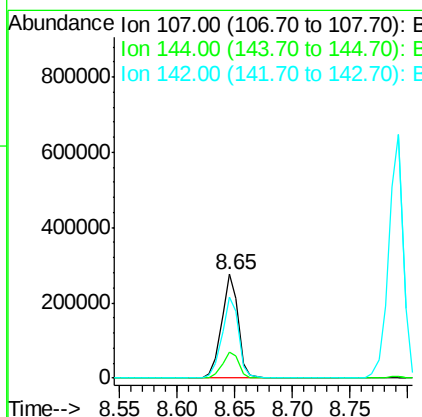
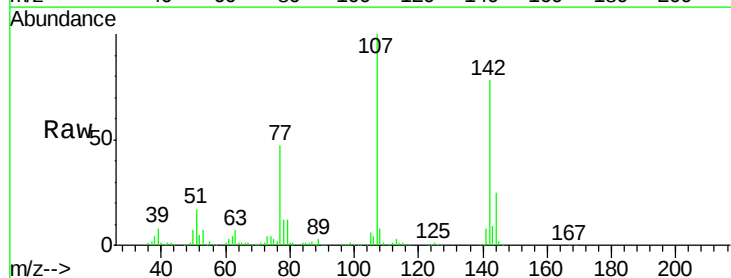
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

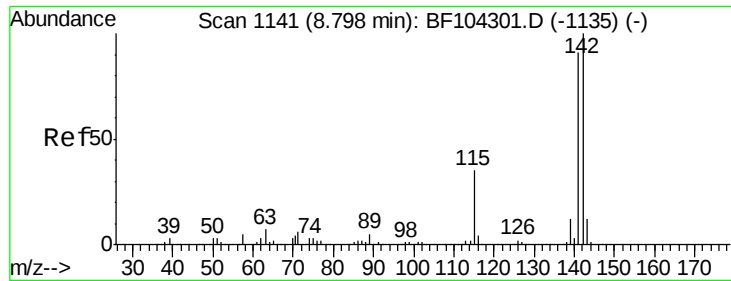
Tgt Ion:113 Resp: 81064  
 Ion Ratio Lower Upper  
 113 100  
 55 139.9 163.3 203.3#  
 56 103.4 115.7 155.7#



#36  
 4-Chloro-3-methylphenol  
 Concen: 36.351 ng  
 RT: 8.65 min Scan# 1115  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:107 Resp: 275133  
 Ion Ratio Lower Upper  
 107 100  
 144 25.0 20.5 30.7  
 142 77.9 62.0 93.0

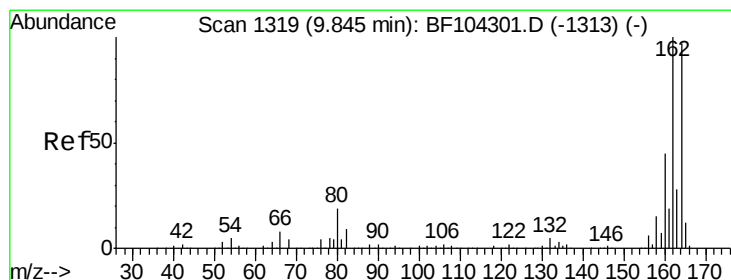
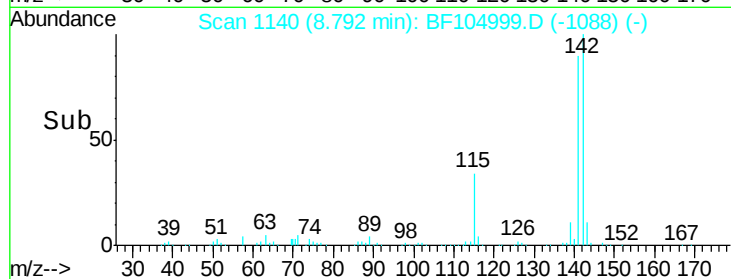
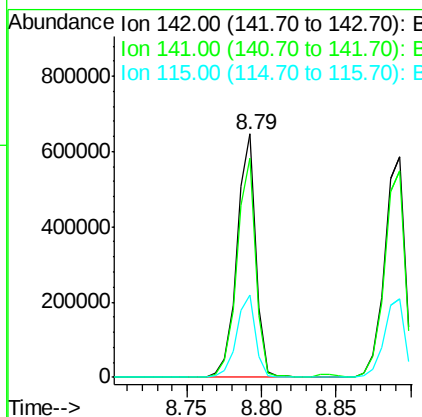
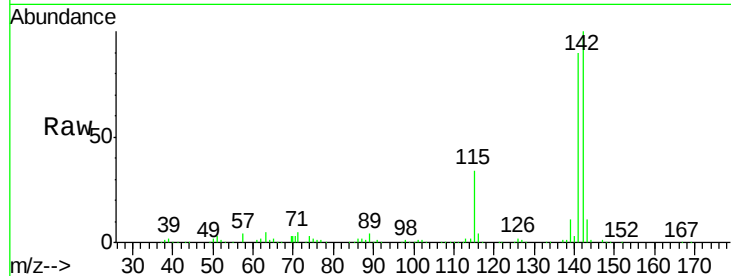




#37  
 2-Methylnaphthalene  
 Concen: 34.361 ng  
 RT: 8.79 min Scan# 1140  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

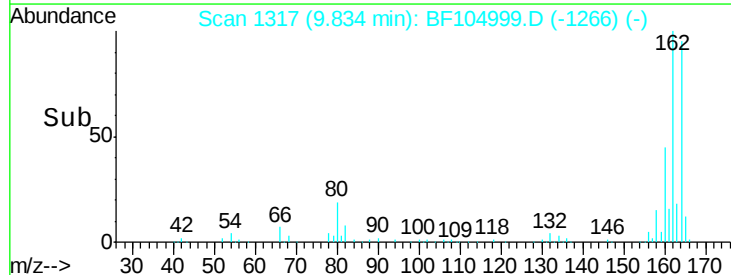
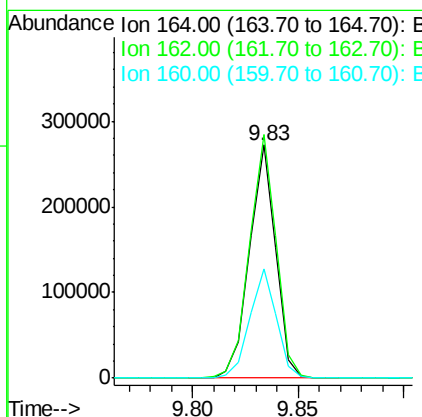
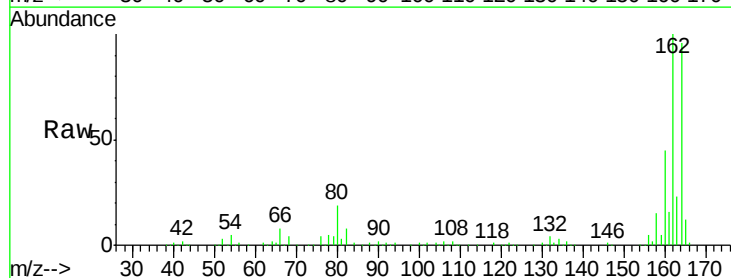
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:142 Resp: 572865  
 Ion Ratio Lower Upper  
 142 100  
 141 90.3 70.8 106.2  
 115 34.1 26.1 39.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:164 Resp: 234765  
 Ion Ratio Lower Upper  
 164 100  
 162 104.5 86.1 129.1  
 160 46.7 38.3 57.5

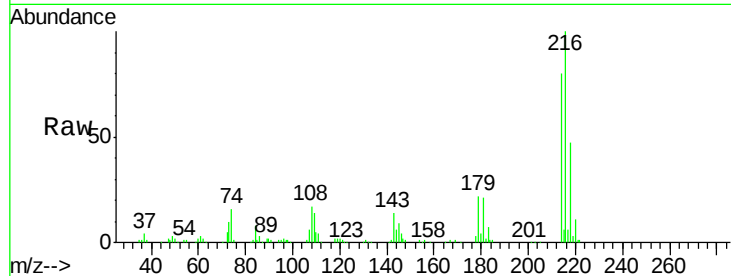




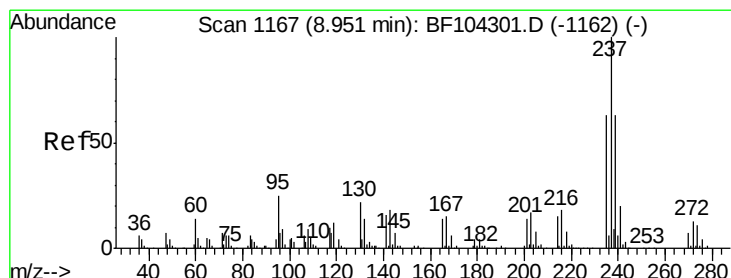
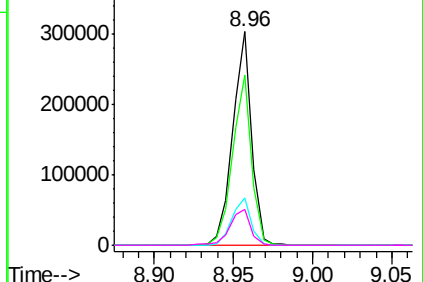
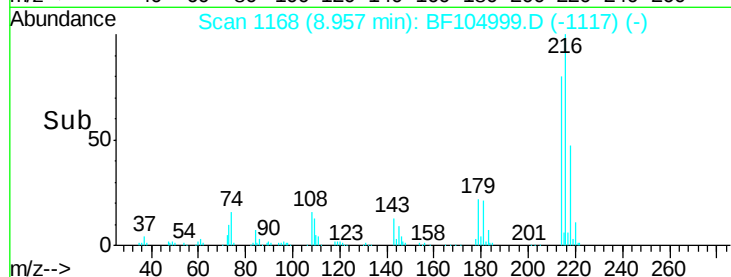
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.271 ng  
 RT: 8.96 min Scan# 1168  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 250471 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.4  | 63.0  | 94.4   |
| 179      | 22.5  | 18.1  | 27.1   |
| 108      | 18.6  | 17.2  | 25.8   |

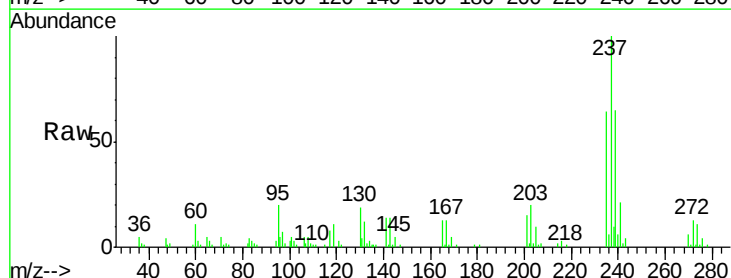


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

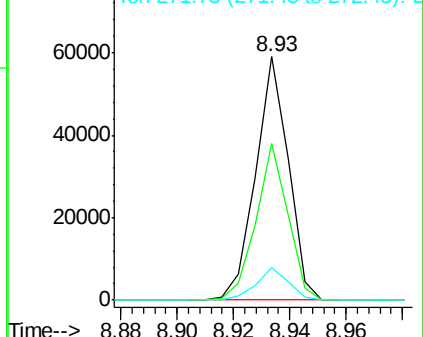
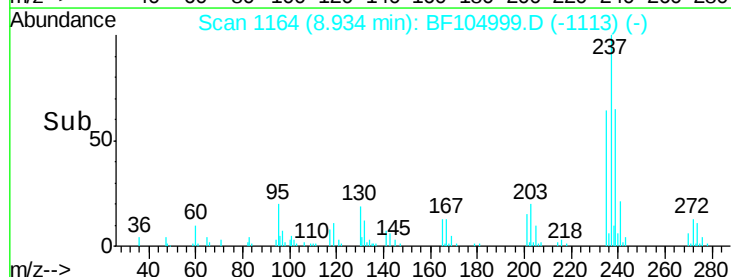


#40  
 Hexachlorocyclopentadiene  
 Concen: 12.596 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 47391 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 64.5  | 44.8  | 84.8  |
| 272      | 13.2  | 0.0   | 33.3  |



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

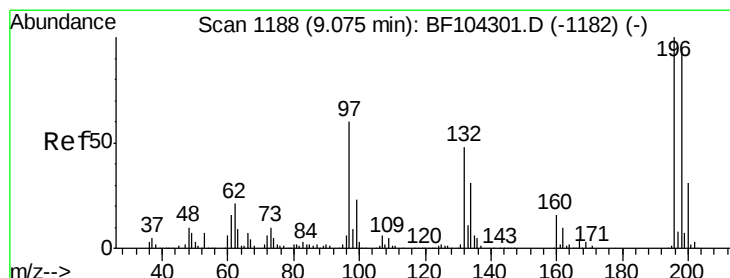
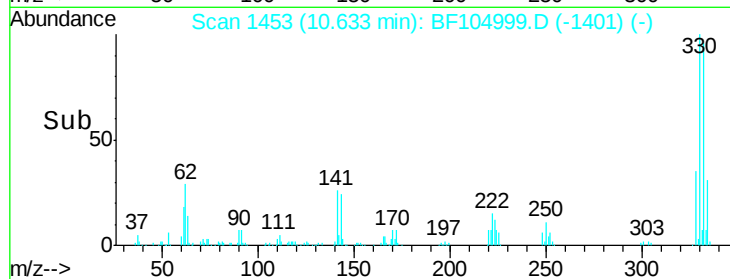
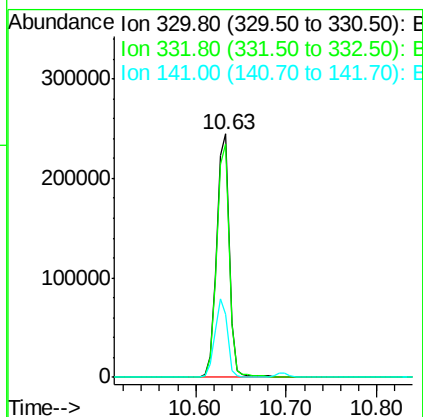
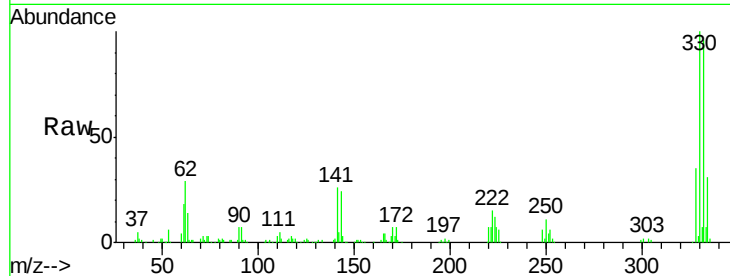




#41  
 2,4,6-Tribromophenol  
 Concen: 97.771 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

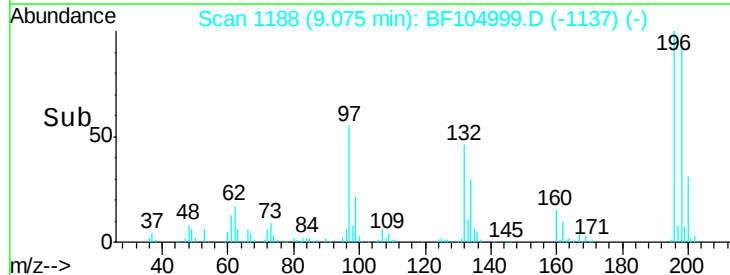
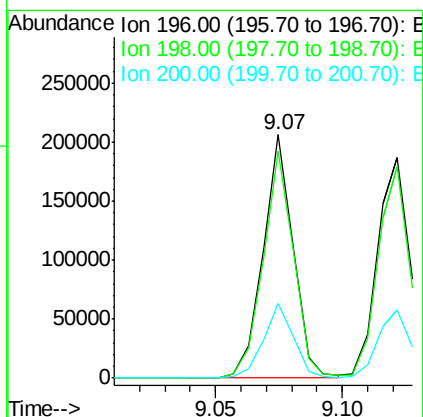
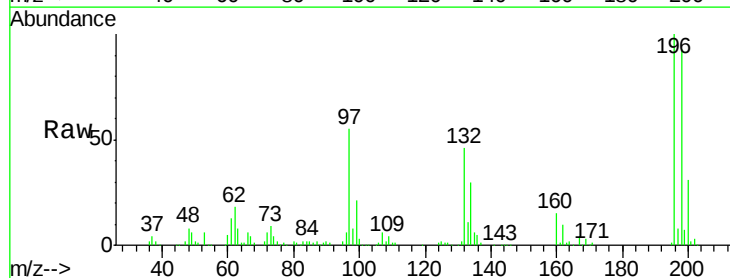
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:330 Resp: 238100  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.0 115.6  
 141 32.2 29.9 44.9



#42  
 2,4,6-Trichlorophenol  
 Concen: 36.540 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:196 Resp: 170465  
 Ion Ratio Lower Upper  
 196 100  
 198 93.1 75.7 113.5  
 200 30.6 24.5 36.7

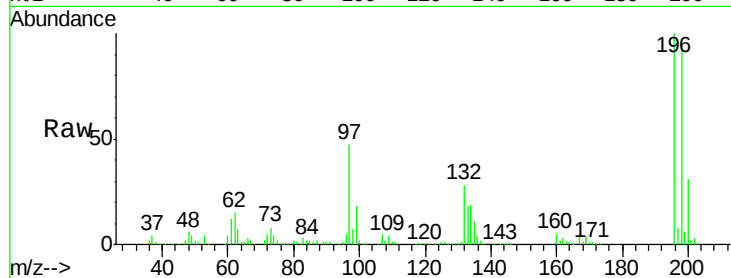




#43  
 2,4,5-Trichlorophenol  
 Concen: 34.925 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.8  | 74.6  | 112.0 |
| 97      | 46.9  | 42.9  | 64.3  |
| 132     | 27.9  | 26.3  | 39.5  |



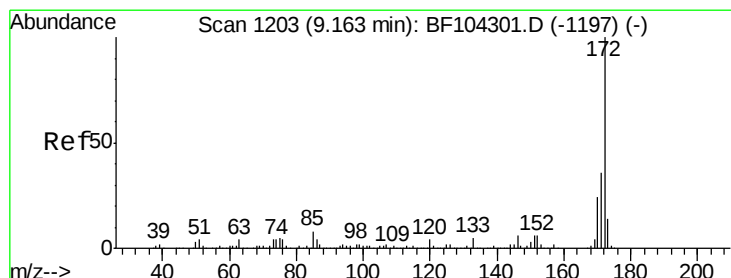
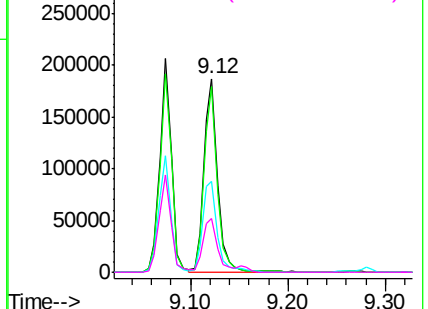
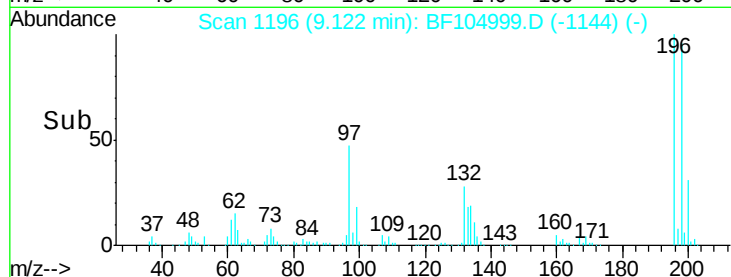
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

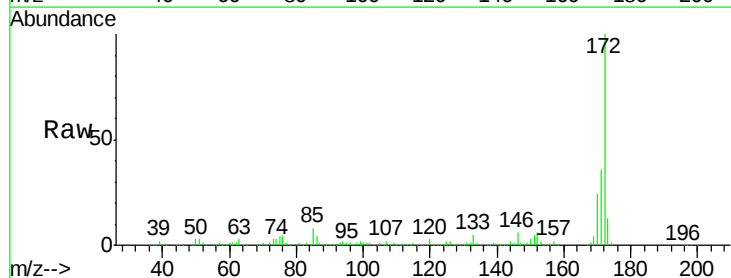
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 76.129 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |

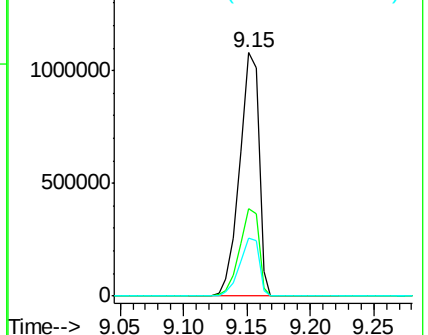
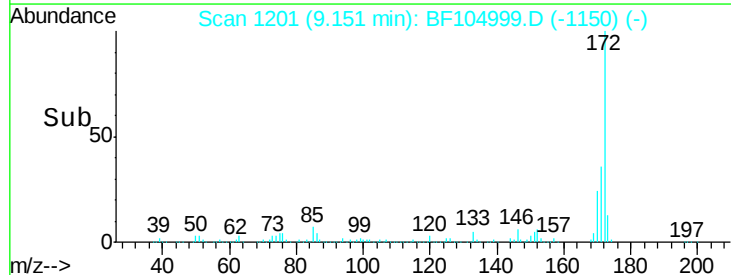


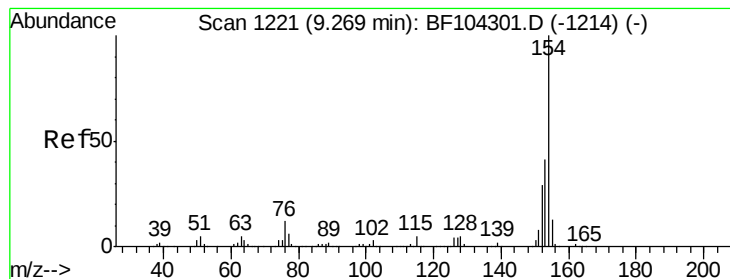
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 35.070 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

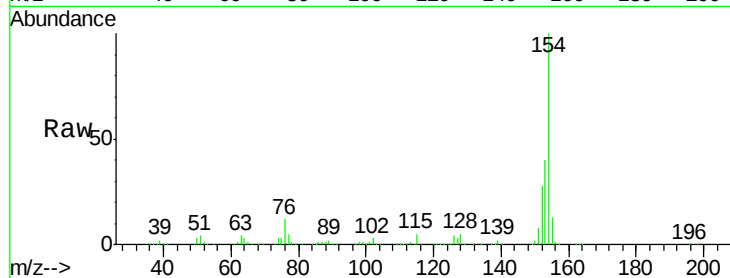
Tgt Ion:154 Resp: 691648

Ion Ratio Lower Upper

154 100

153 40.5 21.3 61.3

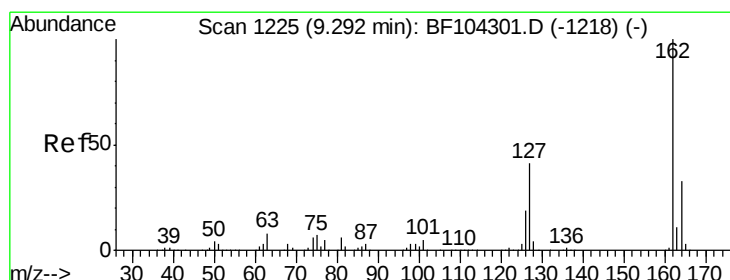
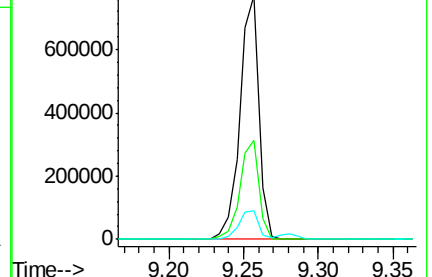
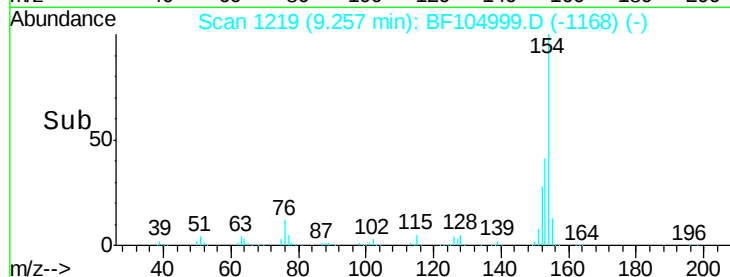
76 11.6 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 34.566 ng

RT: 9.28 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

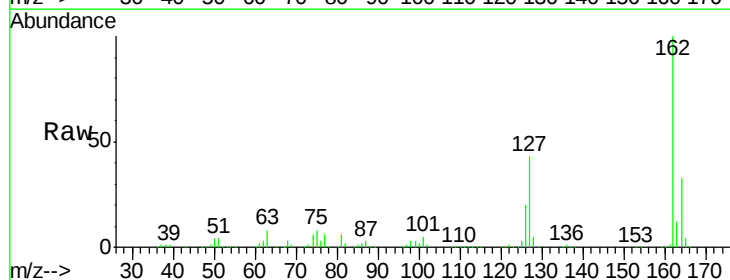
Tgt Ion:162 Resp: 538456

Ion Ratio Lower Upper

162 100

127 42.8 33.9 50.9

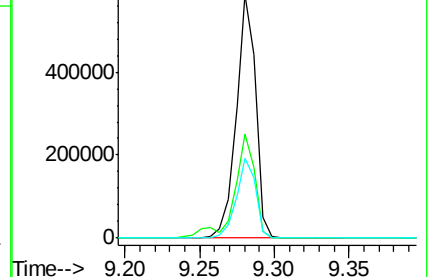
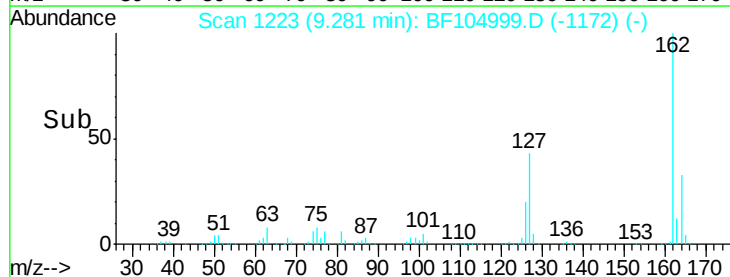
164 33.0 26.5 39.7

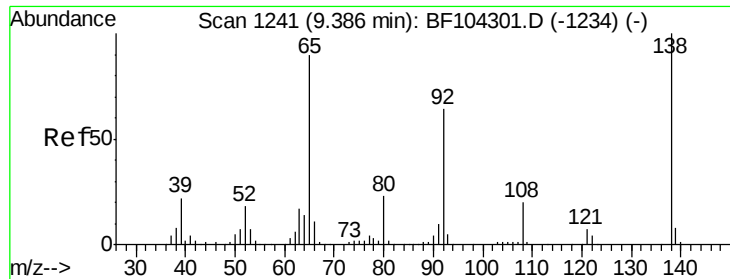


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

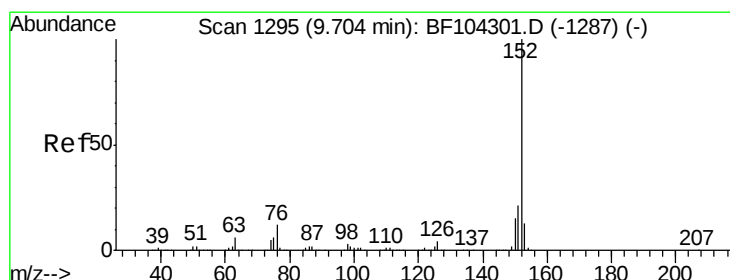
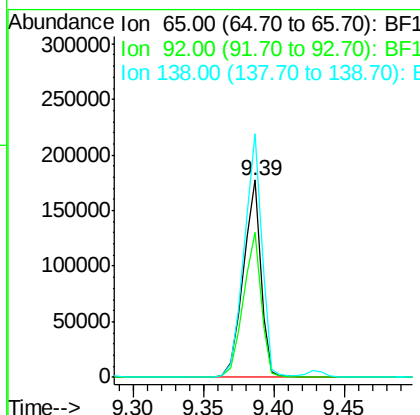
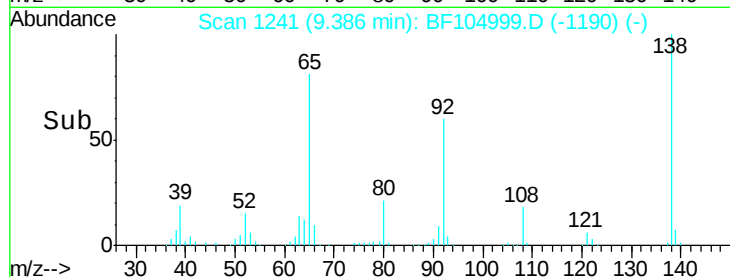
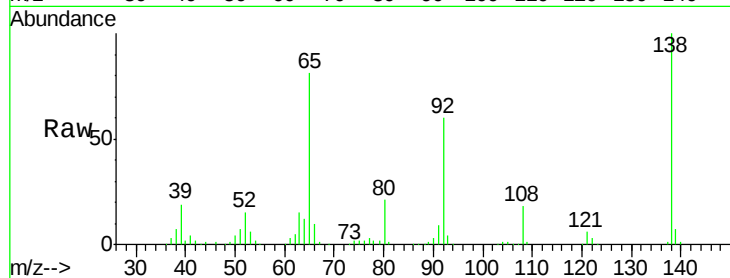




#47  
 2-Nitroaniline  
 Concen: 40.323 ng  
 RT: 9.39 min Scan# 1241  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

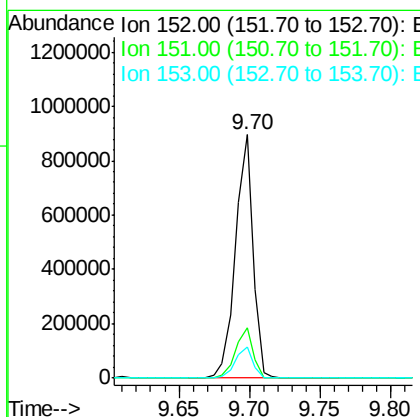
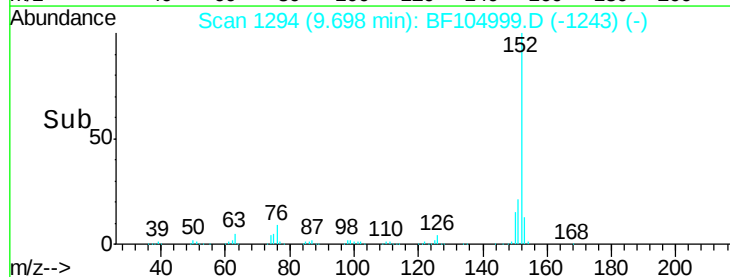
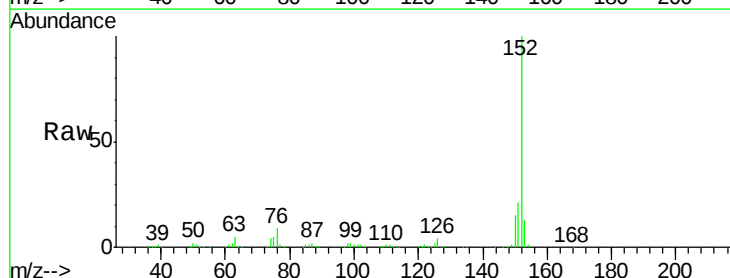
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion: 65 Resp: 155341  
 Ion Ratio Lower Upper  
 65 100  
 92 73.8 55.8 83.6  
 138 123.5 91.2 136.8



#48  
 Acenaphthylene  
 Concen: 31.727 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion: 152 Resp: 775432  
 Ion Ratio Lower Upper  
 152 100  
 151 20.6 16.3 24.5  
 153 12.7 10.7 16.1





#49

Dimethylphthalate

Concen: 35.141 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

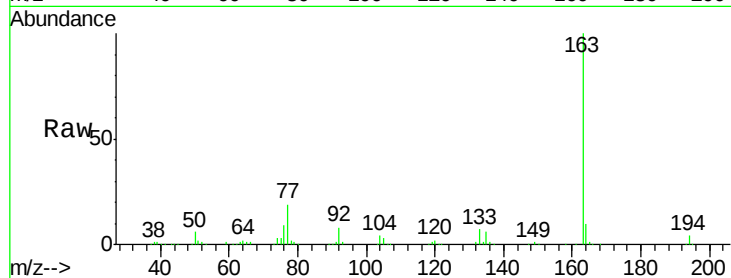
Tgt Ion:163 Resp: 650568

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

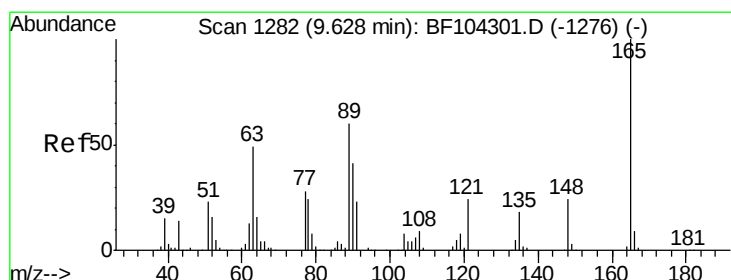
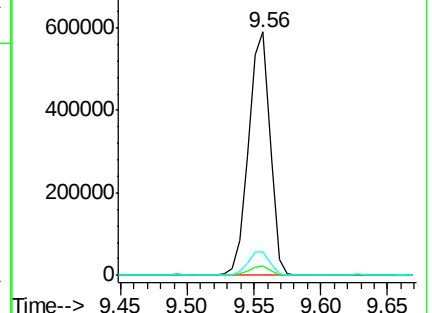
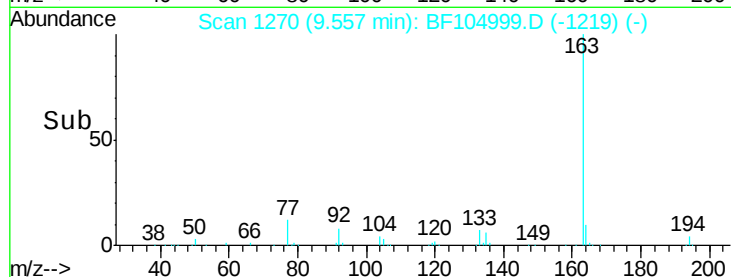
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 40.719 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

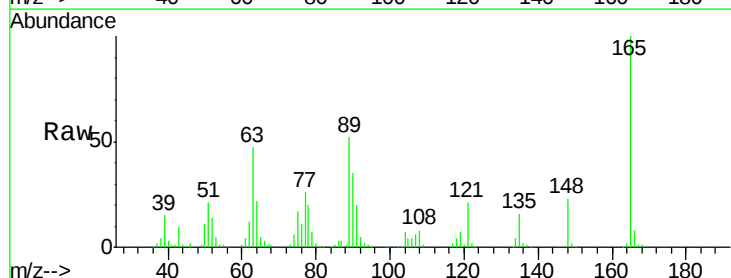
Tgt Ion:165 Resp: 139487

Ion Ratio Lower Upper

165 100

63 47.2 44.7 67.1

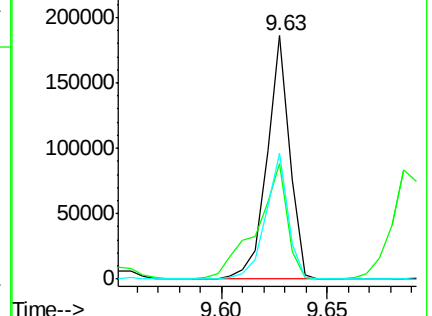
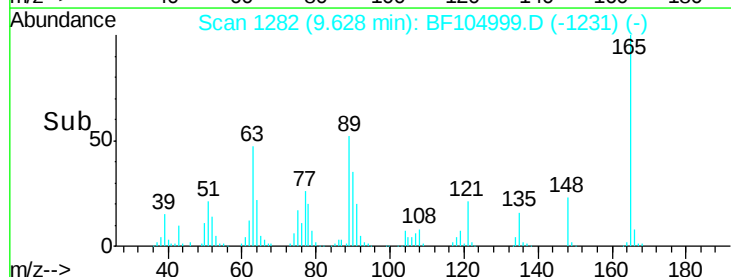
89 51.6 44.0 66.0

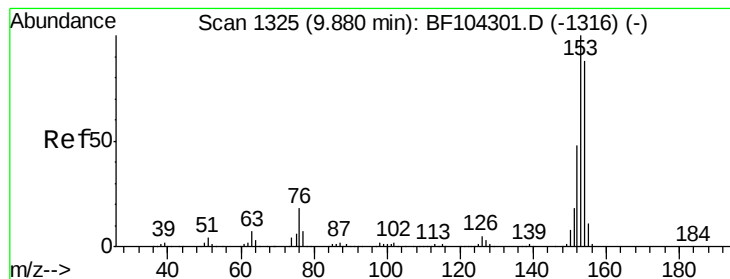


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 30.839 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

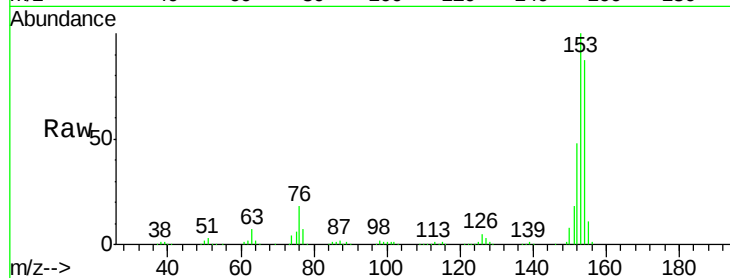
Tgt Ion:154 Resp: 459888

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

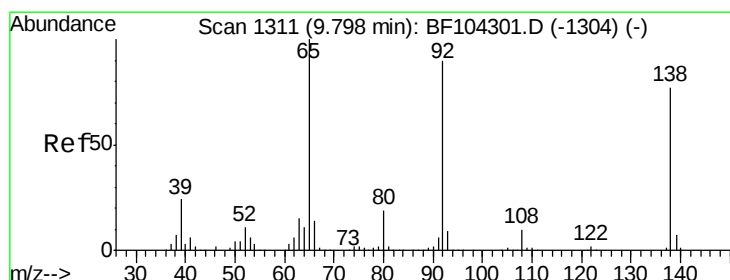
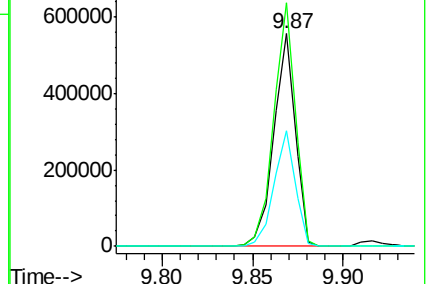
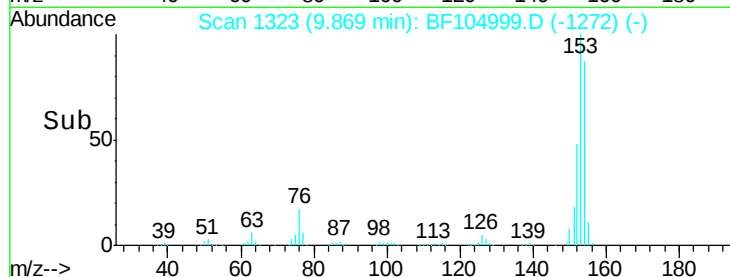
152 54.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.904 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

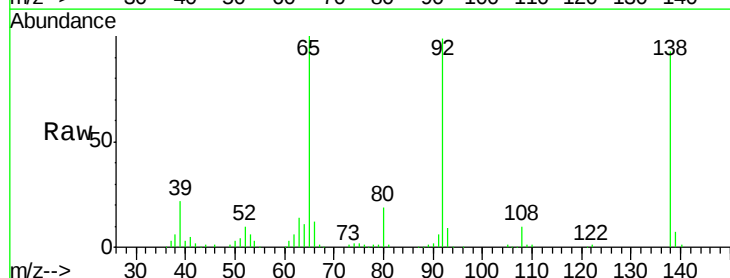
Tgt Ion:138 Resp: 99876

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

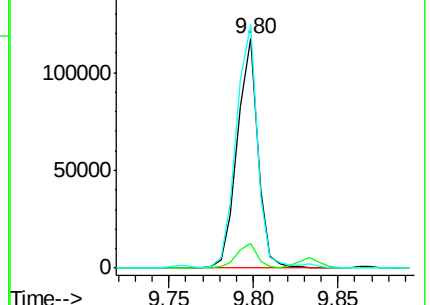
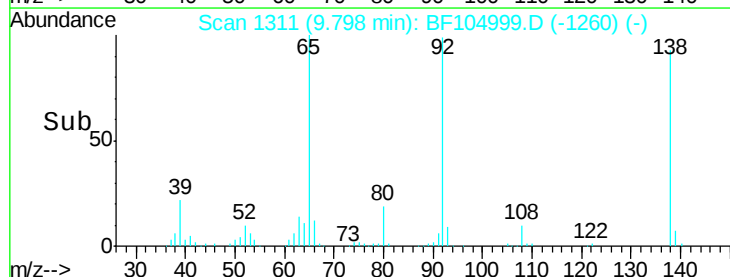
92 106.2 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

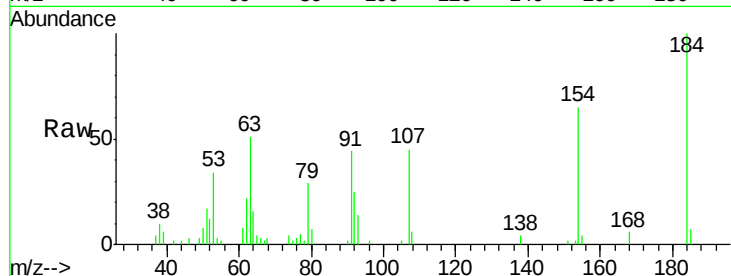




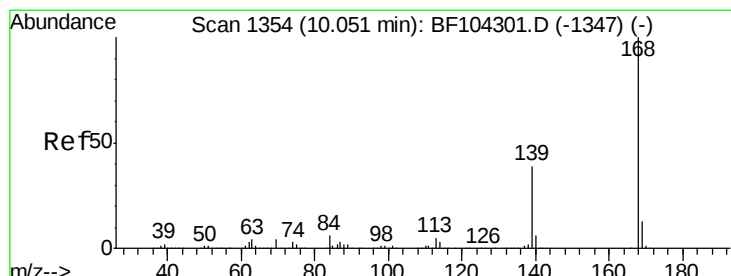
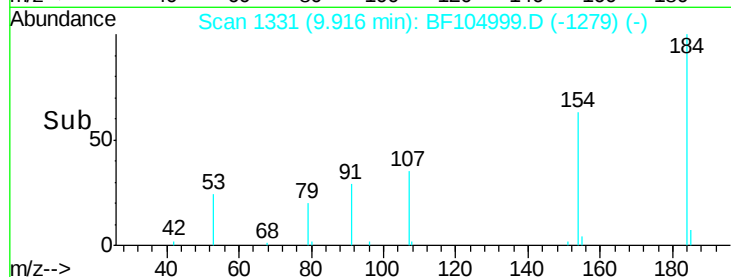
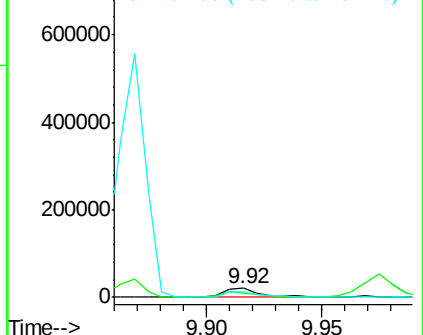
#53  
 2,4-Dinitrophenol  
 Concen: 27.182 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:184 Resp: 24262  
 Ion Ratio Lower Upper  
 184 100  
 63 51.5 54.2 81.2#  
 154 64.6 184.0 276.0#

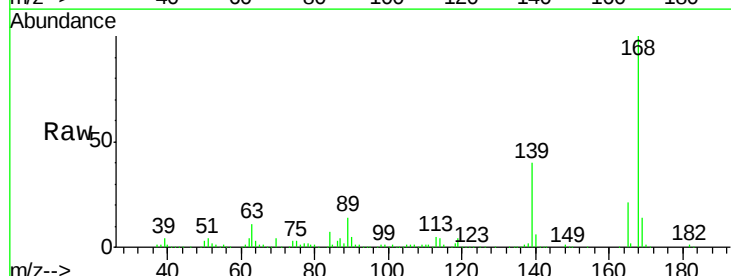


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

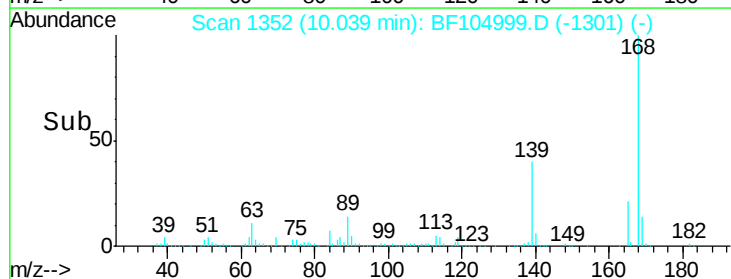
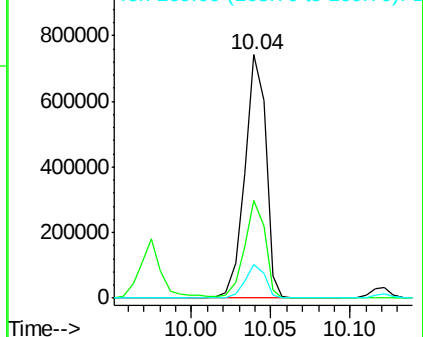


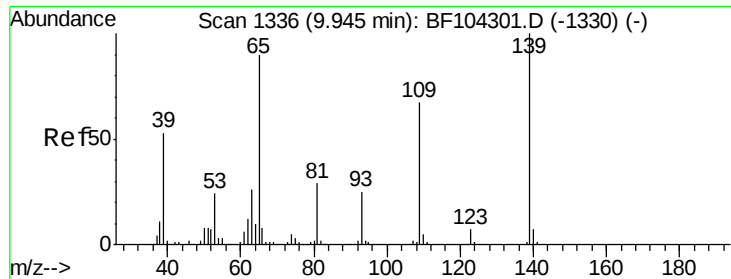
#54  
 Dibenzofuran  
 Concen: 32.788 ng  
 RT: 10.04 min Scan# 1352  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:168 Resp: 681390  
 Ion Ratio Lower Upper  
 168 100  
 139 40.4 30.1 45.1  
 169 13.9 10.9 16.3



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

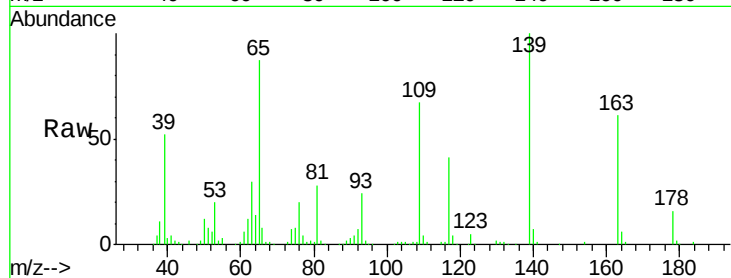




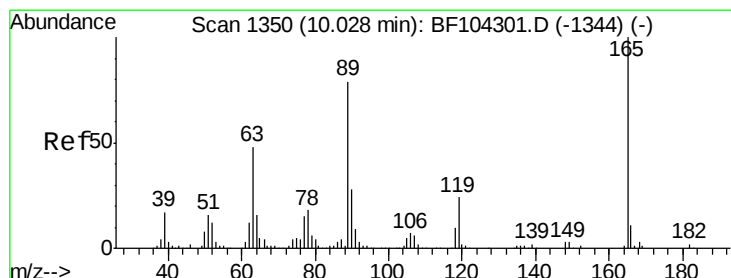
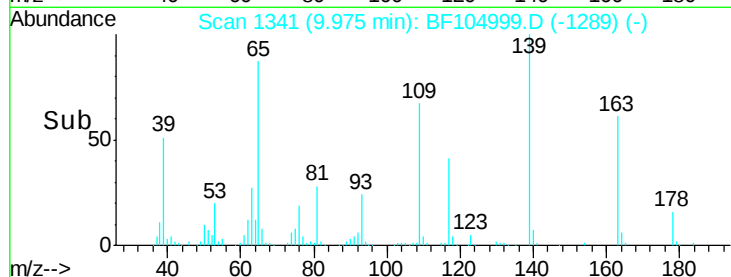
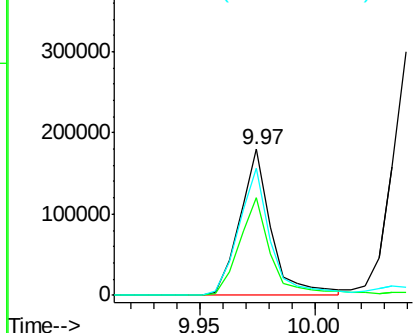
#55  
4-Nitrophenol  
Concen: 54.043 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.01 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

Tgt Ion:139 Resp: 170252  
Ion Ratio Lower Upper  
139 100  
109 66.9 48.4 88.4  
65 86.9 72.6 112.6

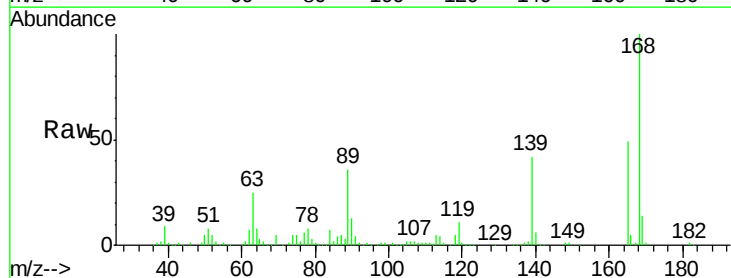


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

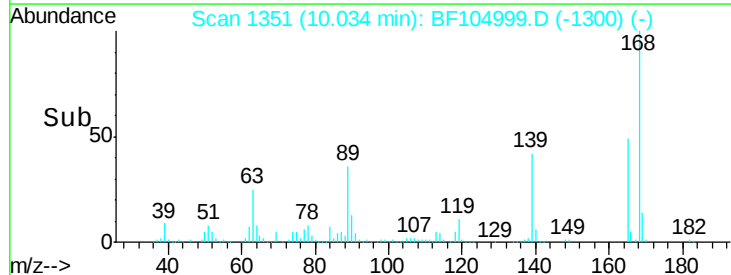
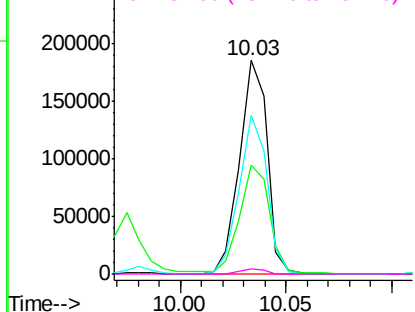


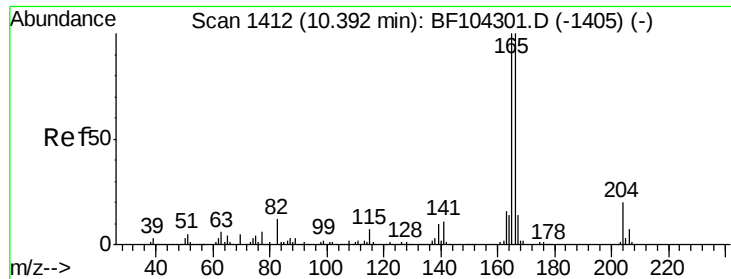
#56  
2,4-Dinitrotoluene  
Concen: 37.477 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:165 Resp: 168402  
Ion Ratio Lower Upper  
165 100  
63 51.0 36.4 54.6  
89 74.2 57.8 86.6  
182 2.3 1.6 2.4



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

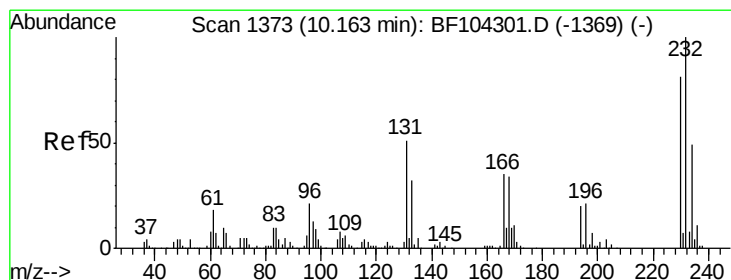
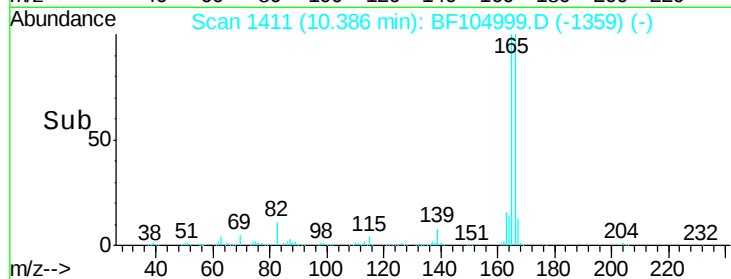
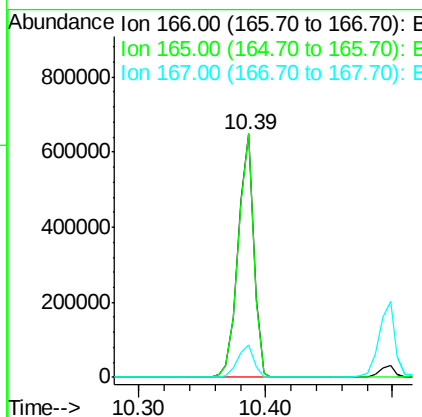
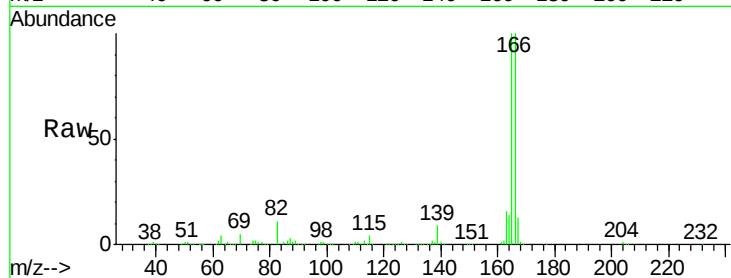




#57  
**Fluorene**  
 Concen: 36.022 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

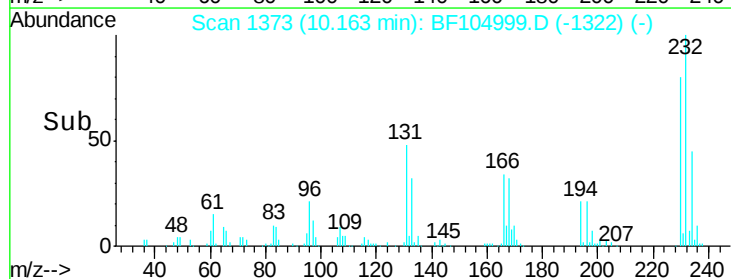
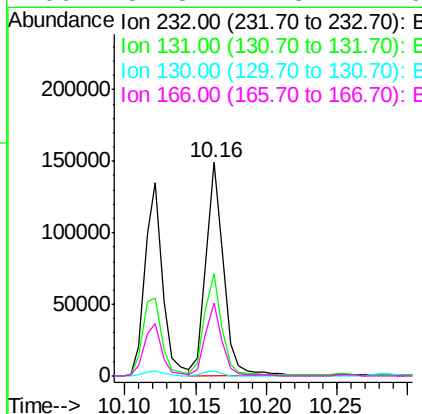
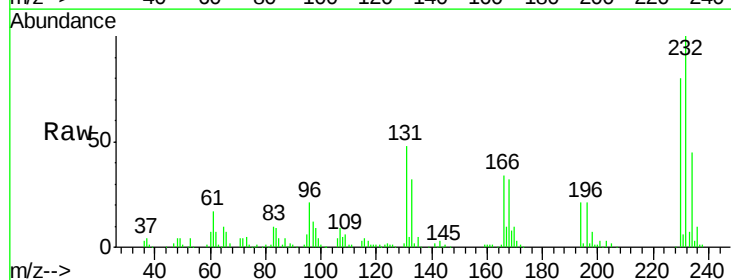
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

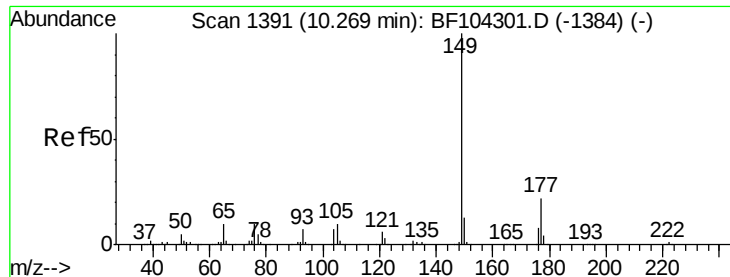
Tgt Ion:166 Resp: 544893  
 Ion Ratio Lower Upper  
 166 100  
 165 100.1 79.8 119.8  
 167 13.4 10.6 16.0



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 33.409 ng  
 RT: 10.16 min Scan# 1373  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:232 Resp: 130119  
 Ion Ratio Lower Upper  
 232 100  
 131 47.3 43.8 65.8  
 130 2.3 2.1 3.1  
 166 32.3 27.8 41.6





#59

Diethylphthalate

Concen: 33.304 ng

RT: 10.26 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

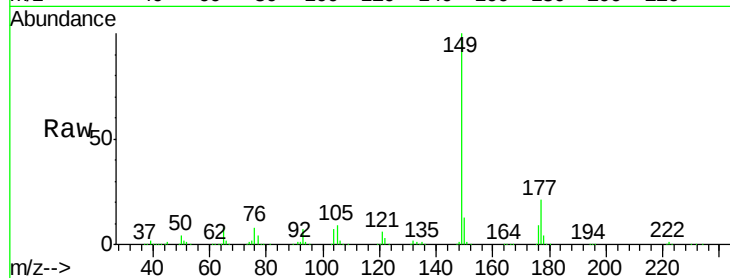
Tgt Ion:149 Resp: 614050

Ion Ratio Lower Upper

149 100

177 21.4 16.1 24.1

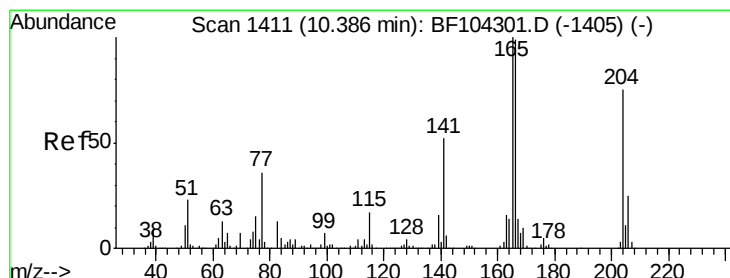
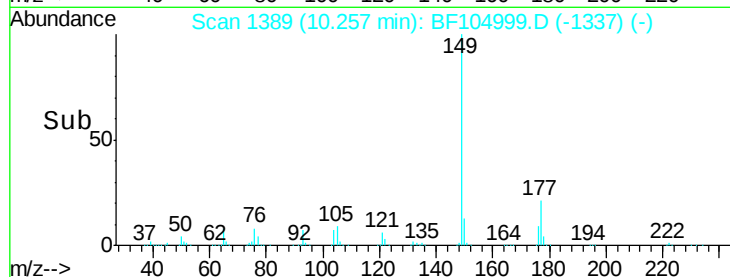
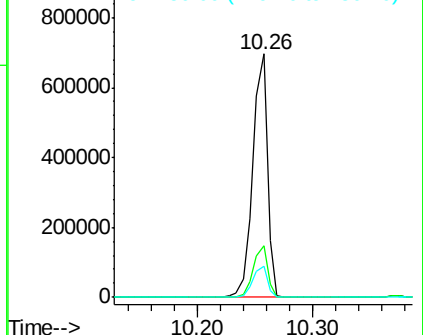
150 12.6 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.492 ng

RT: 10.37 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

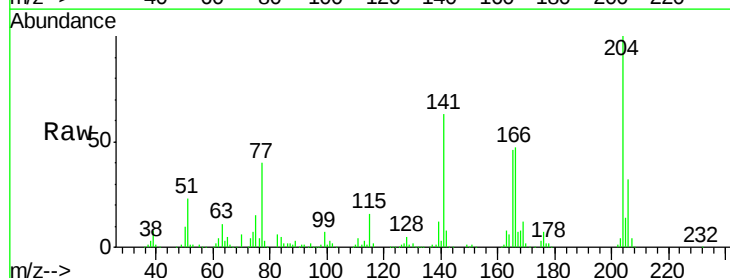
Tgt Ion:204 Resp: 259305

Ion Ratio Lower Upper

204 100

206 32.5 26.5 39.7

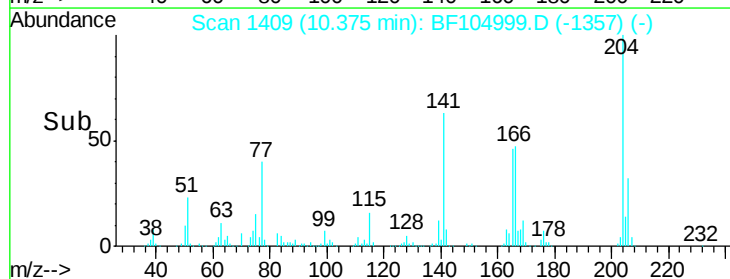
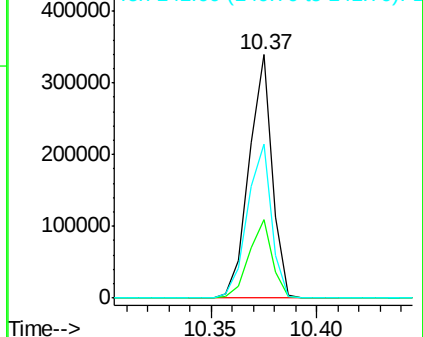
141 63.2 54.6 81.8

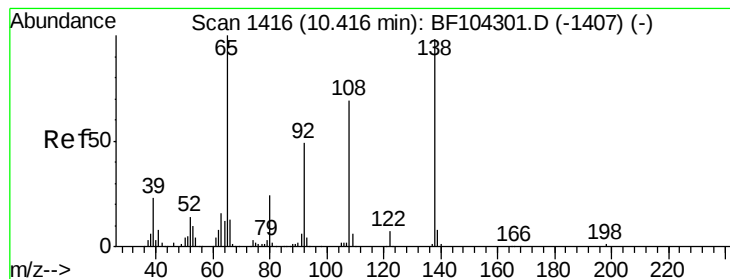


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.664 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

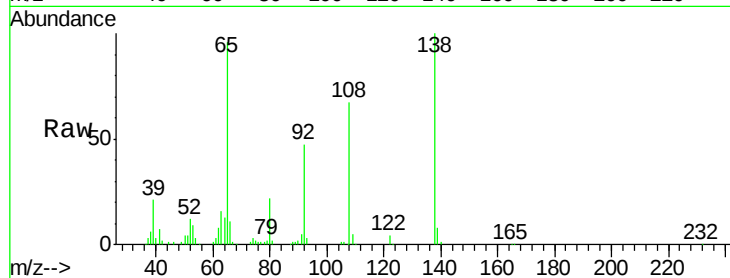
Tgt Ion:138 Resp: 132005

Ion Ratio Lower Upper

138 100

92 47.3 30.2 70.2

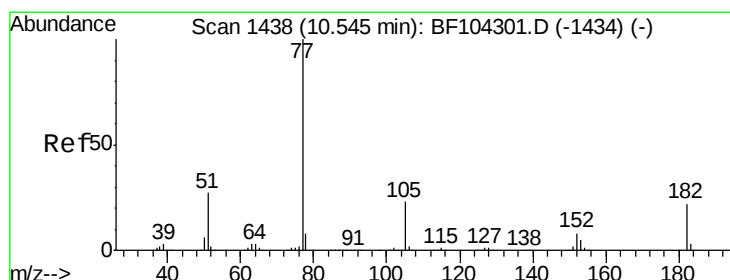
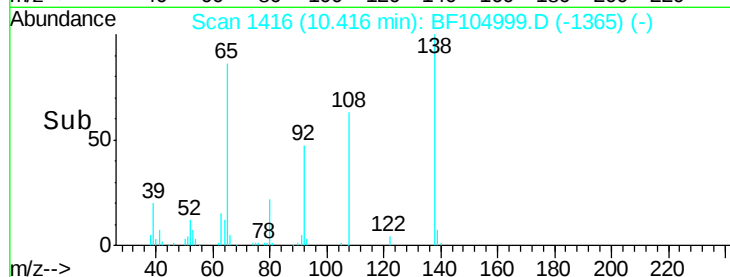
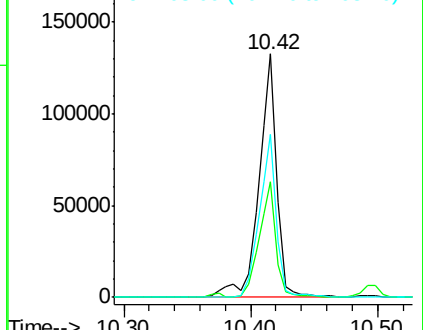
108 67.0 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 30.430 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Tgt Ion: 77 Resp: 536032

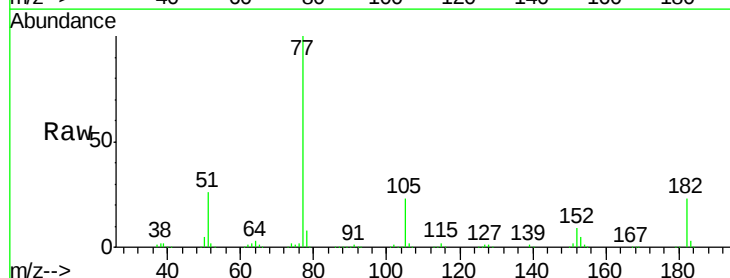
Ion Ratio Lower Upper

77 100

182 23.4 1.7 41.7

105 23.4 3.0 43.0

51 25.7 9.9 49.9

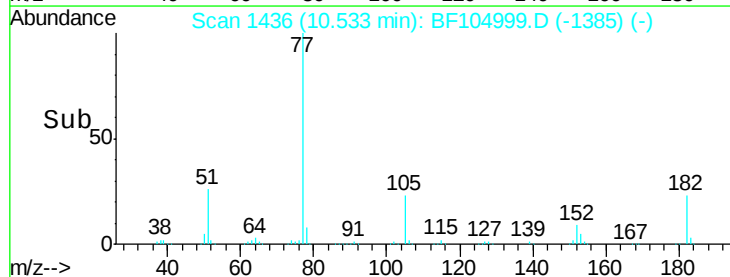
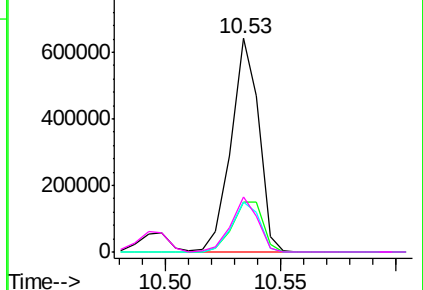


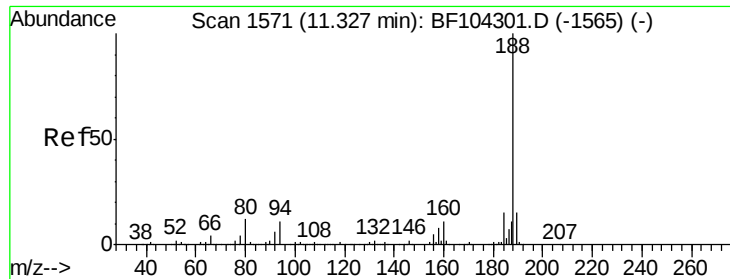
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

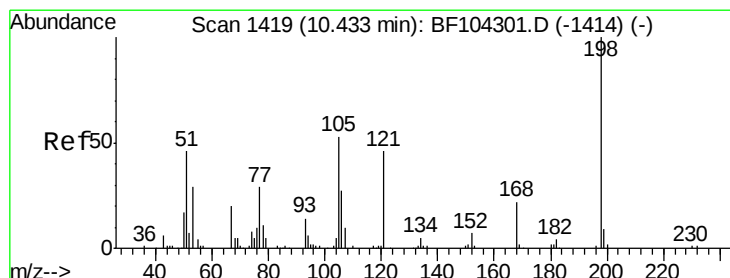
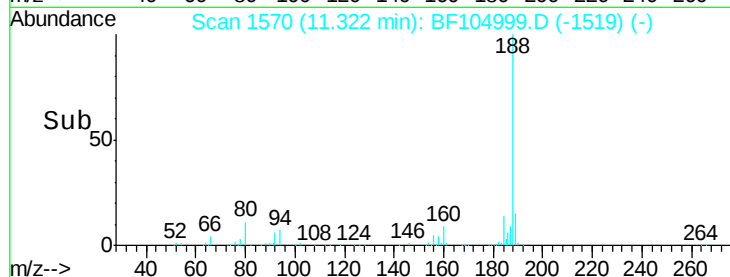
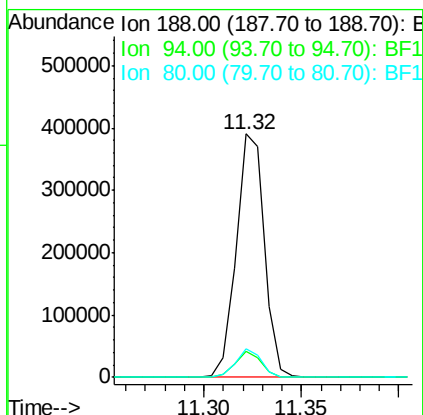
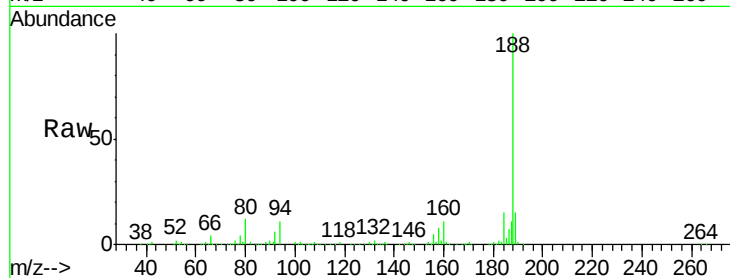




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

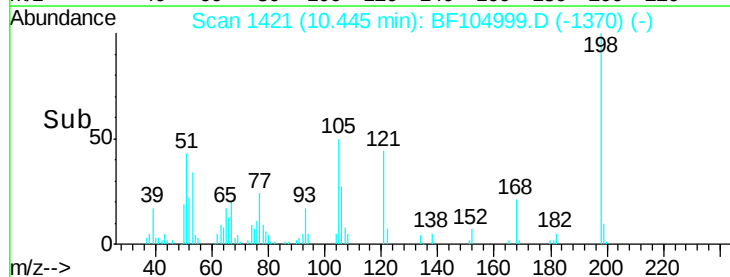
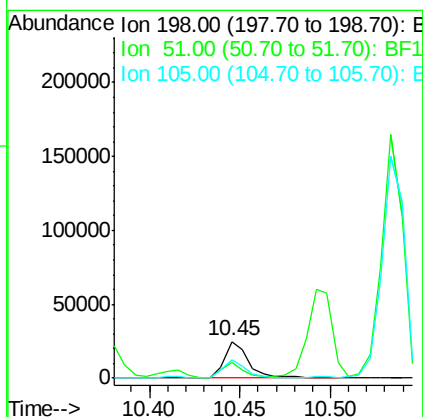
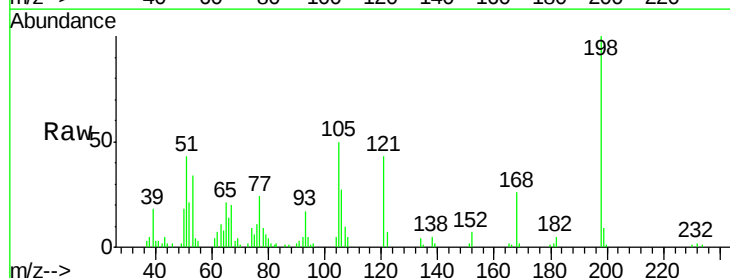
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

Tgt Ion:188 Resp: 388748  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.5 12.7  
80 11.5 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 17.687 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:198 Resp: 23115  
Ion Ratio Lower Upper  
198 100  
51 42.7 37.7 77.7  
105 49.5 36.3 76.3

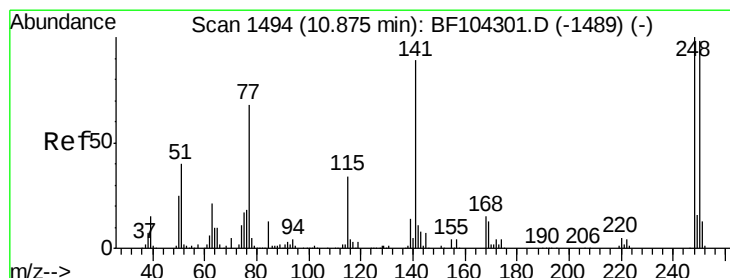
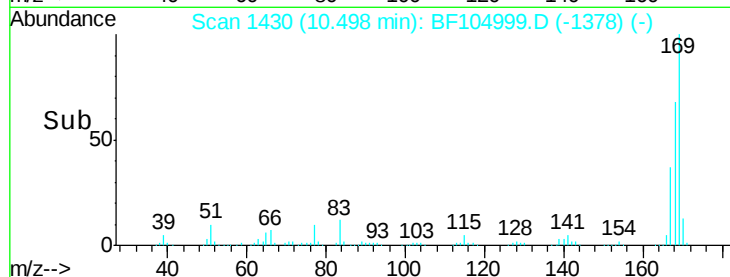
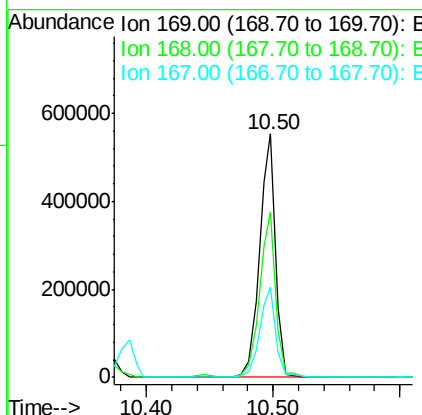
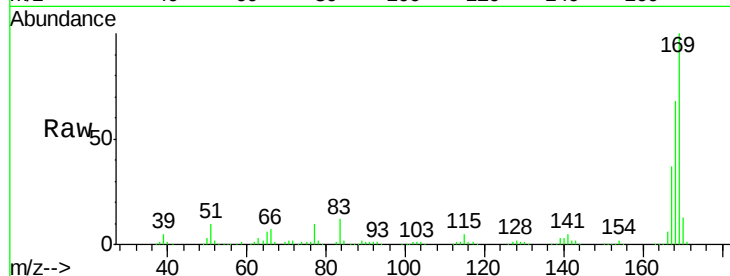




#65  
 n-Nitrosodiphenylamine  
 Concen: 36.237 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

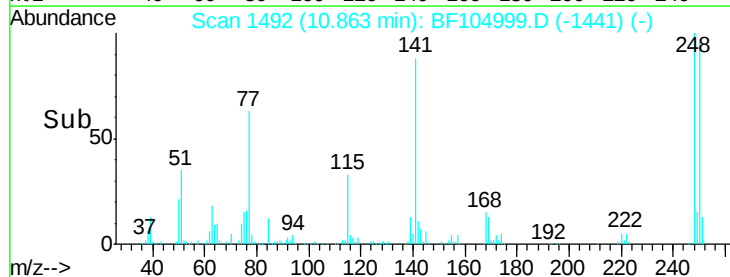
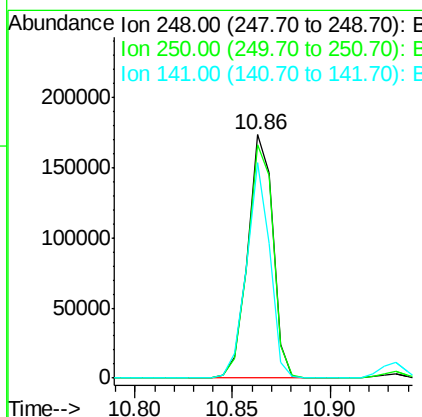
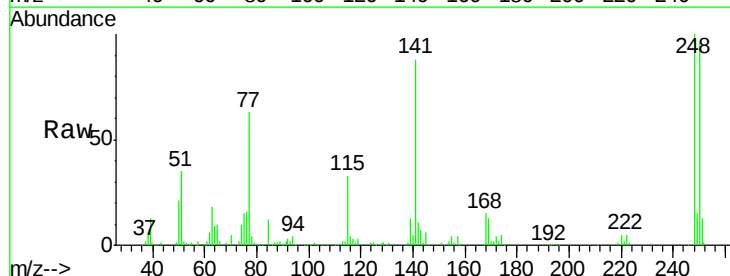
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:169 Resp: 488434  
 Ion Ratio Lower Upper  
 169 100  
 168 68.2 54.4 81.6  
 167 36.9 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 37.575 ng  
 RT: 10.86 min Scan# 1492  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:248 Resp: 155375  
 Ion Ratio Lower Upper  
 248 100  
 250 96.1 76.9 115.3  
 141 88.2 74.4 111.6

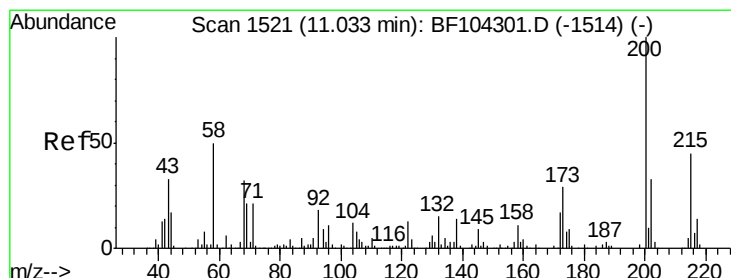
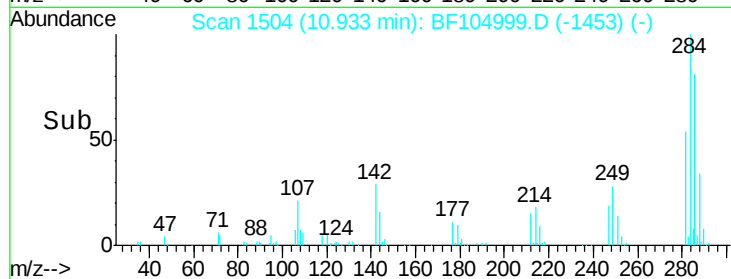
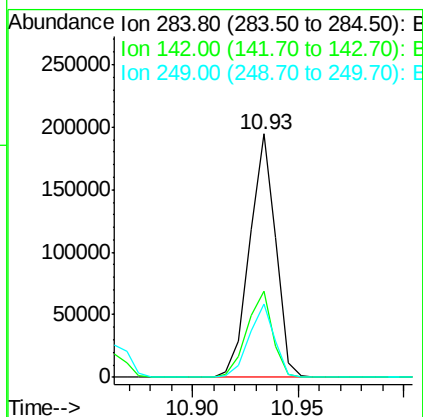
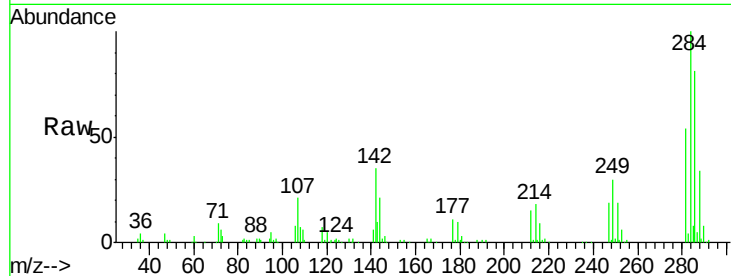




#67  
Hexachlorobenzene  
Concen: 35.778 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. 0.00 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

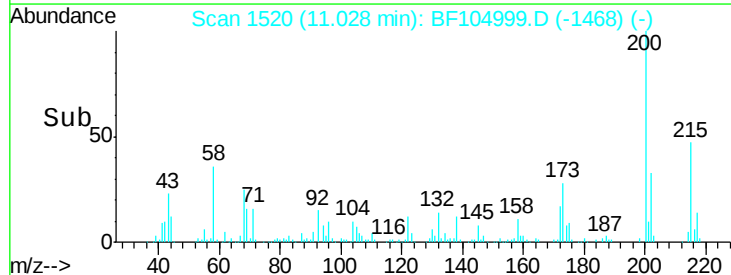
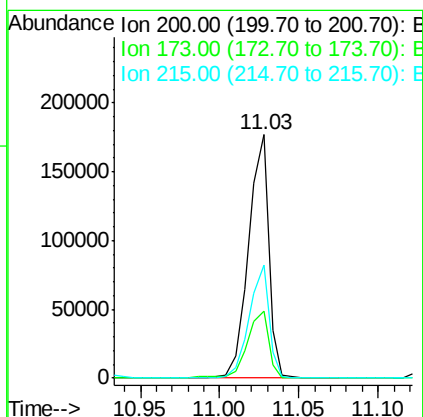
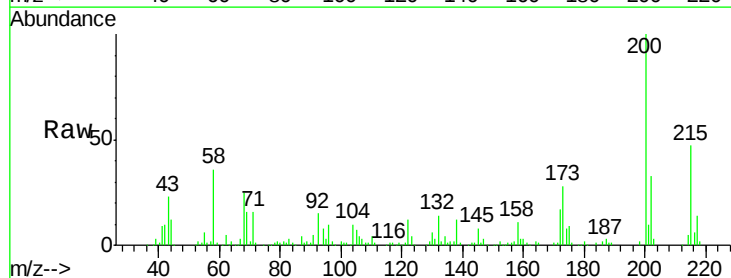
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

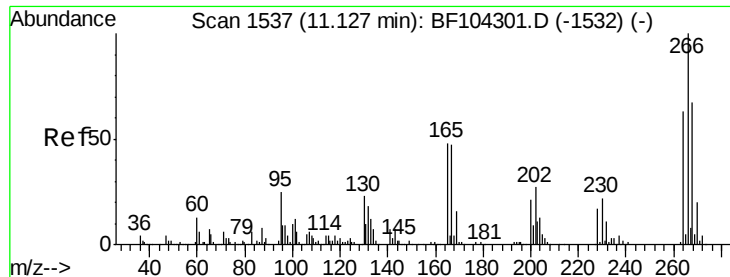
Tgt Ion:284 Resp: 166469  
Ion Ratio Lower Upper  
284 100  
142 35.2 34.6 52.0  
249 30.2 24.8 37.2



#68  
Atrazine  
Concen: 38.430 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. 0.01 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:200 Resp: 156353  
Ion Ratio Lower Upper  
200 100  
173 27.6 8.6 48.6  
215 46.6 25.1 65.1

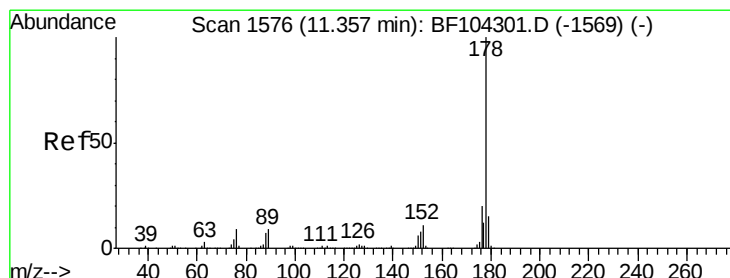
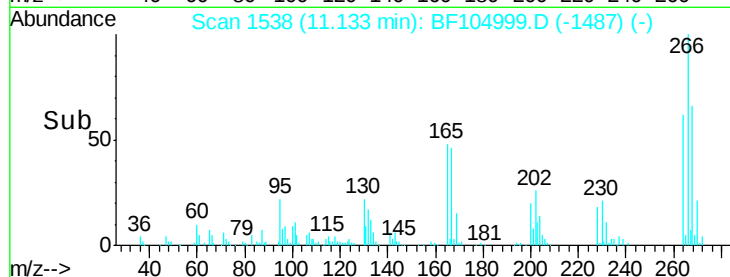
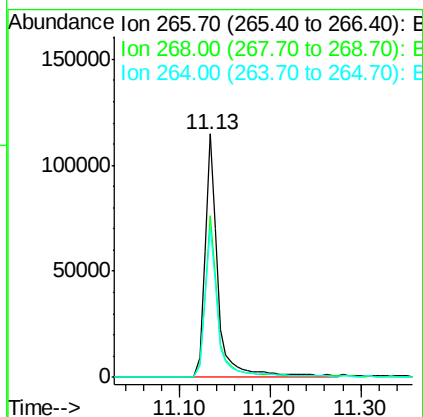
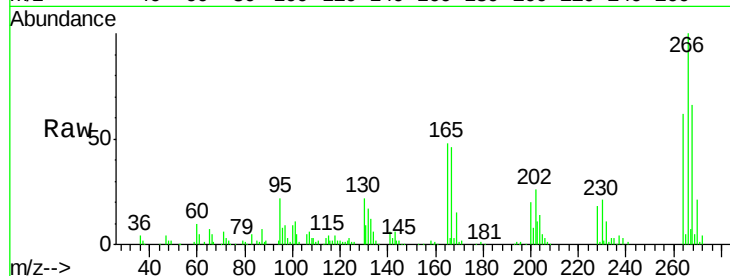




#69  
 Pentachlorophenol  
 Concen: 40.917 ng  
 RT: 11.13 min Scan# 1538  
 Delta R.T. 0.00 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

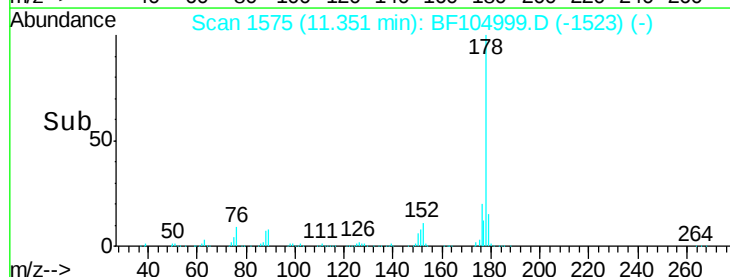
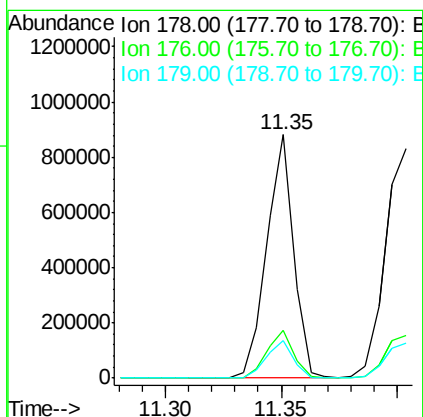
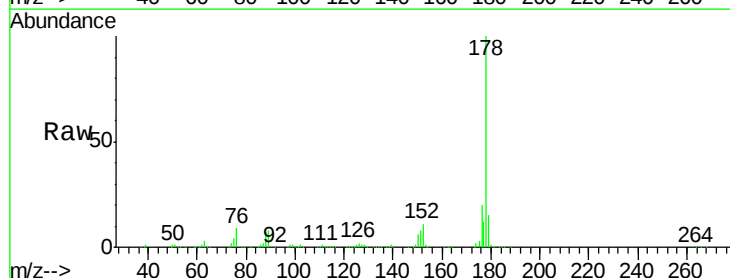
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

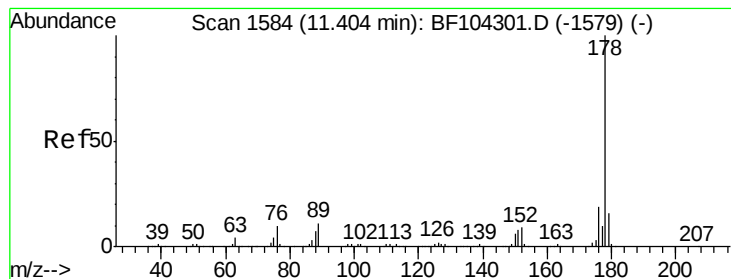
Tgt Ion: 266 Resp: 117777  
 Ion Ratio Lower Upper  
 266 100  
 268 66.4 51.1 76.7  
 264 61.9 49.5 74.3



#70  
 Phenanthrene  
 Concen: 32.948 ng  
 RT: 11.35 min Scan# 1575  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion: 178 Resp: 713294  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.8 23.8  
 179 15.3 13.0 19.6

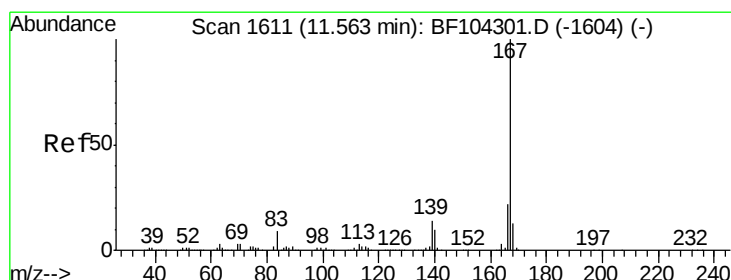
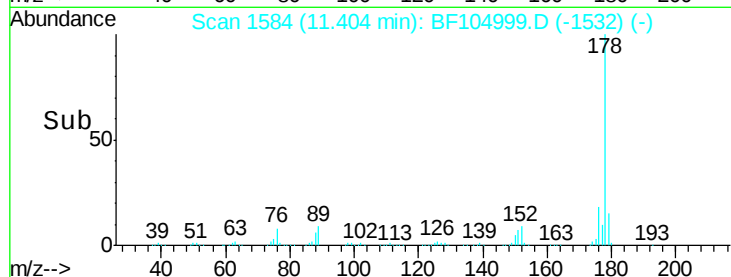
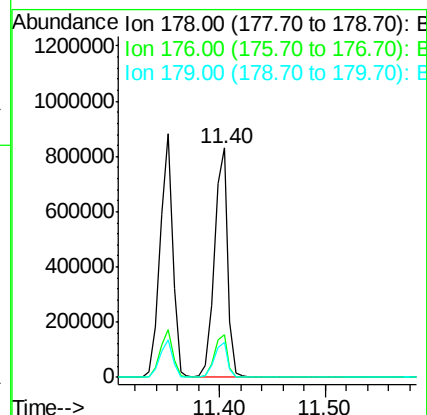
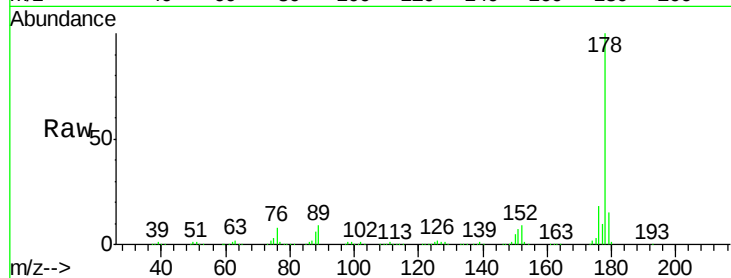




#71  
 Anthracene  
 Concen: 33.309 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

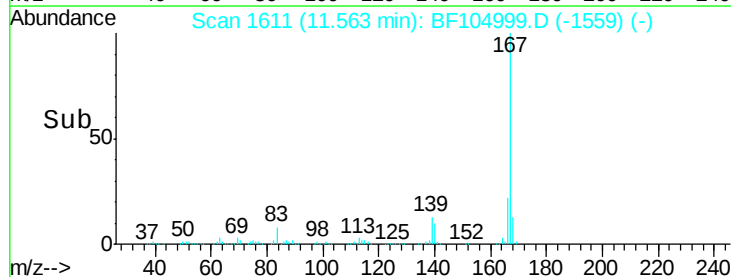
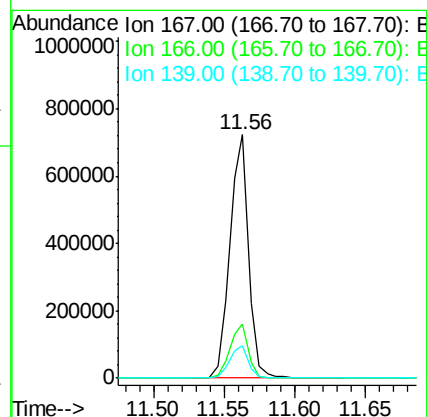
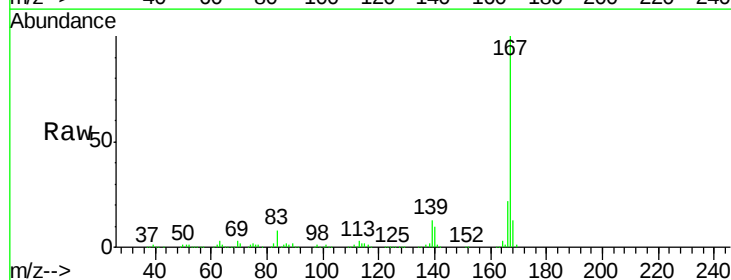
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:178 Resp: 733025  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 15.4 23.2  
 179 15.3 12.6 19.0



#72  
 Carbazole  
 Concen: 30.774 ng  
 RT: 11.56 min Scan# 1611  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:167 Resp: 661770  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.6 26.4  
 139 13.2 10.9 16.3





#73

Di-n-butylphthalate

Concen: 34.037 ng

RT: 11.88 min Scan# 1665

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

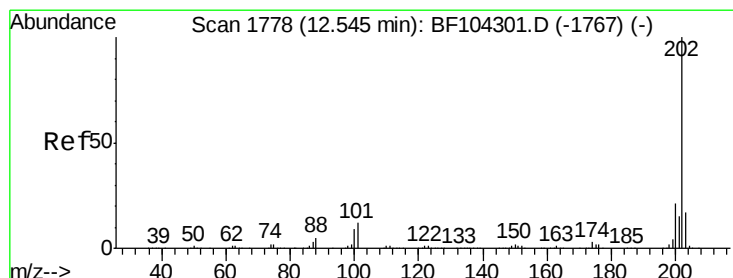
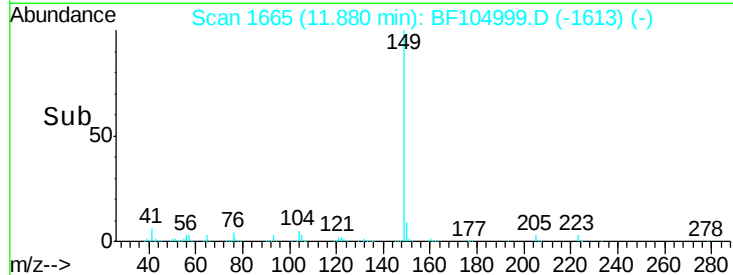
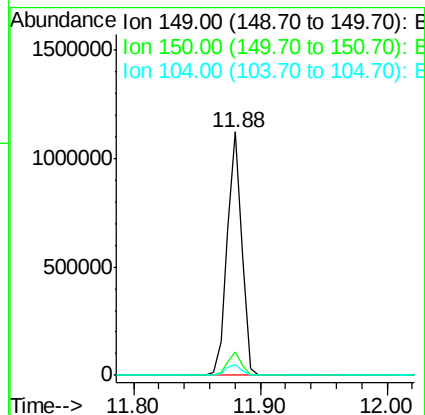
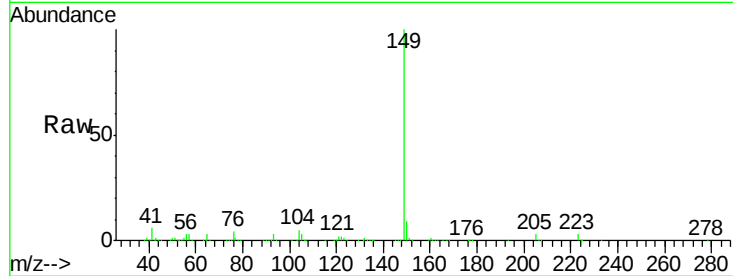
Instrument :

BNA\_F

ClientSampleId :

PB108756BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 894113 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.4   | 7.8   | 11.6   |
| 104      | 4.6   | 3.8   | 5.8    |



#74

Fluoranthene

Concen: 27.611 ng

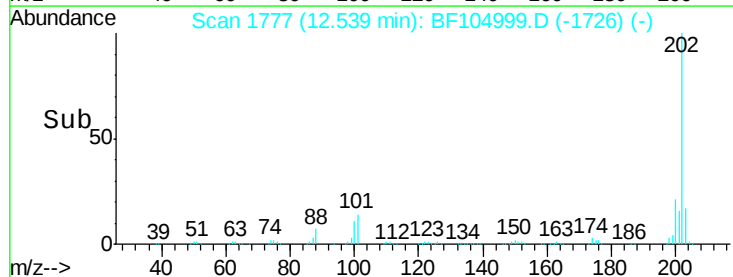
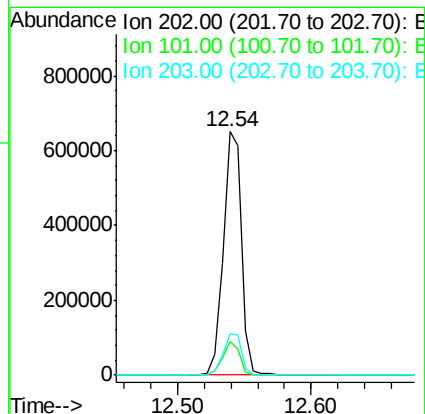
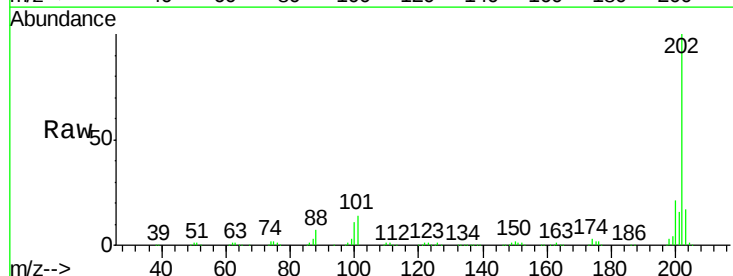
RT: 12.54 min Scan# 1777

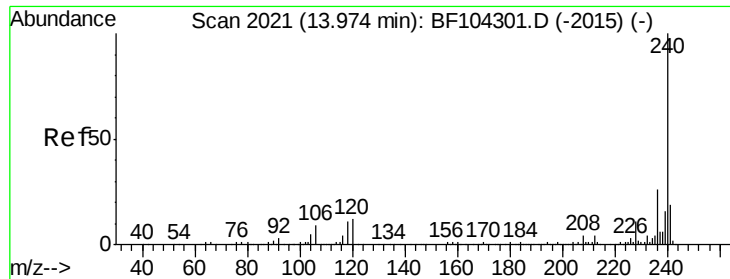
Delta R.T. 0.00 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 624542 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 13.7  | 0.0   | 34.1   |
| 203      | 17.2  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.05 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

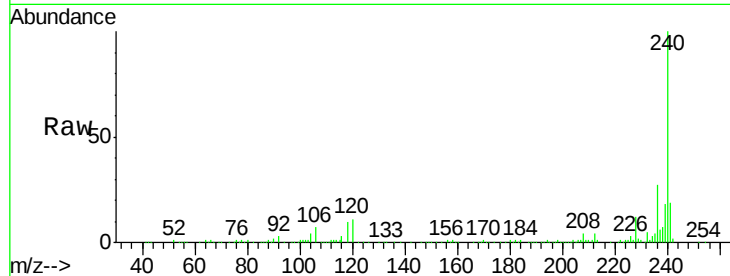
Tgt Ion:240 Resp: 231715

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

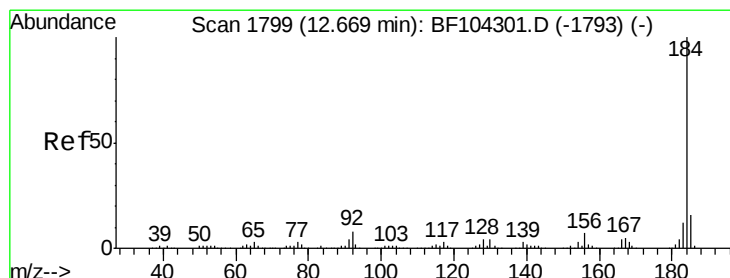
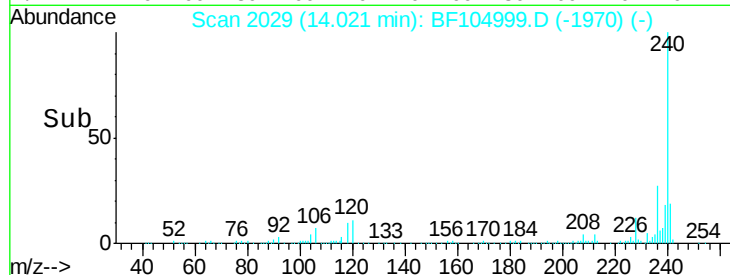
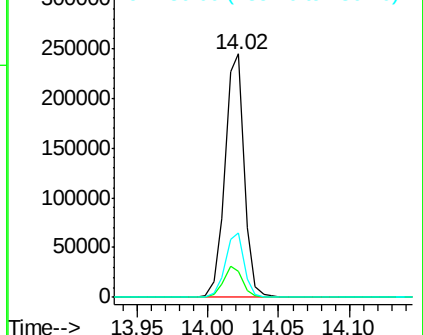
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 32.193 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.01 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

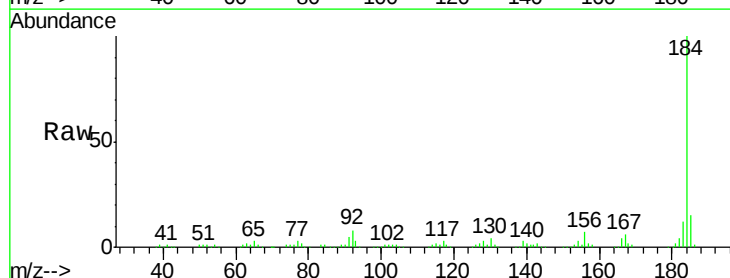
Tgt Ion:184 Resp: 268007

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

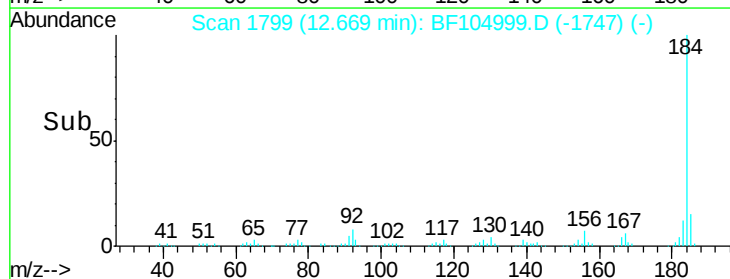
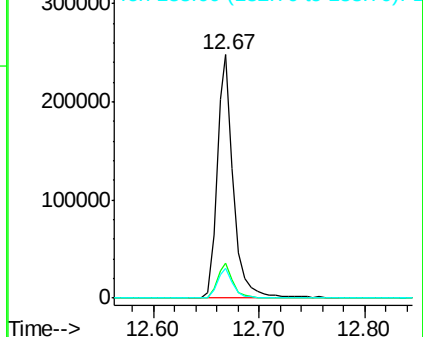
183 12.1 9.3 13.9

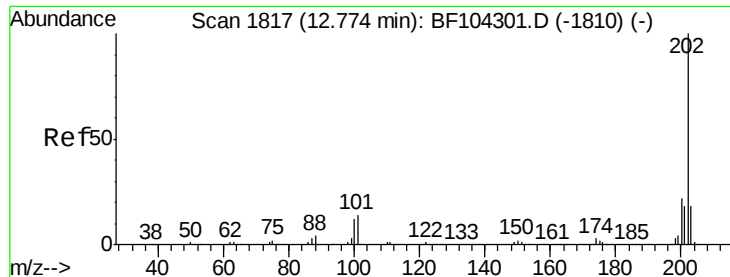


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

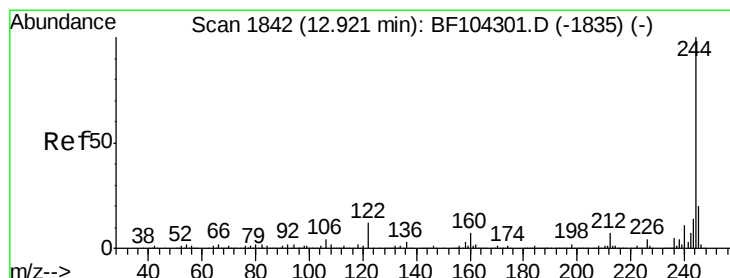
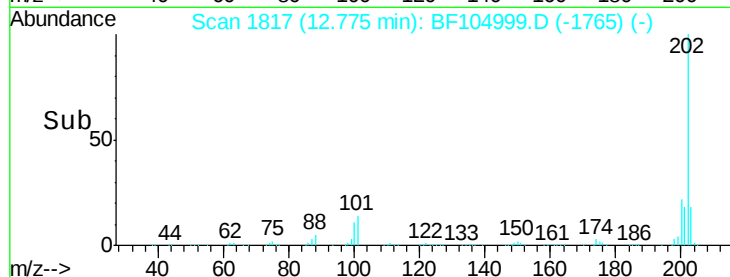
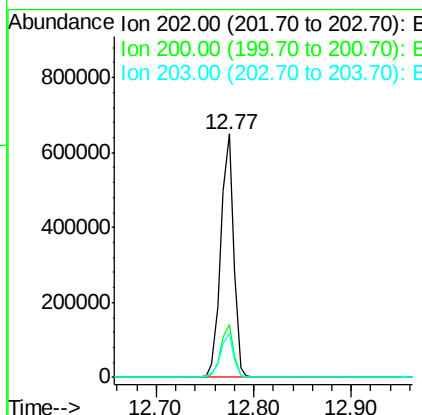
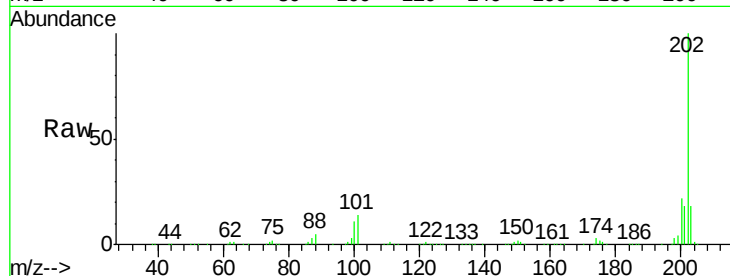




#77  
 Pyrene  
 Concen: 34.901 ng  
 RT: 12.77 min Scan# 1817  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

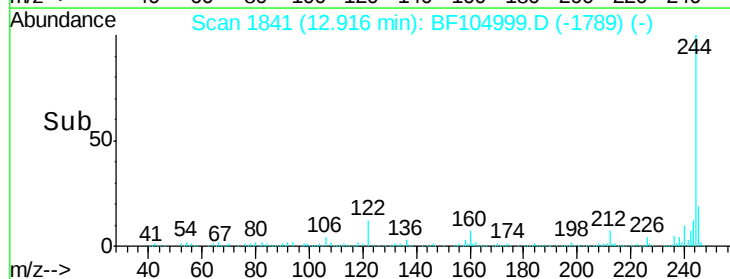
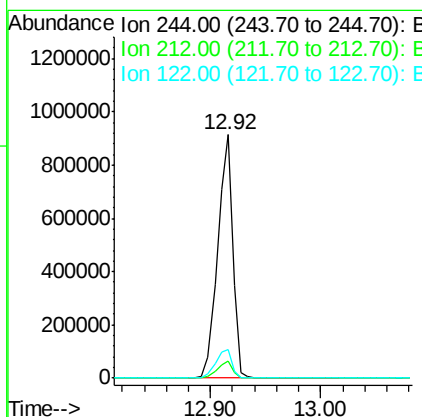
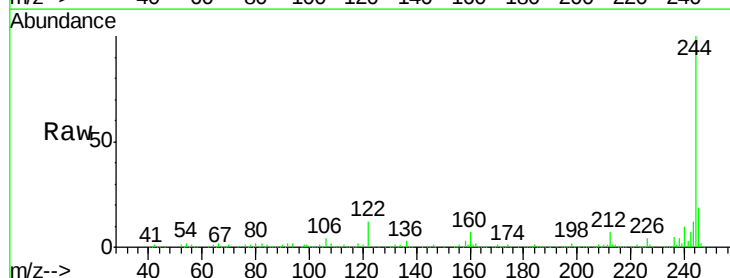
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 17.4  | 26.2  |
| 203     | 17.8  | 14.3  | 21.5  |



#78  
 Terphenyl-d14  
 Concen: 84.909 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. 0.01 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.4   | 8.0   |
| 122     | 11.8  | 11.0  | 16.4  |

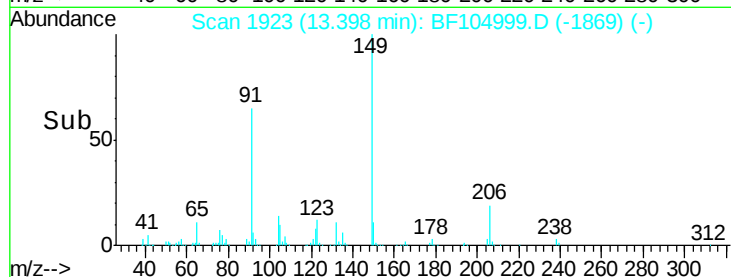
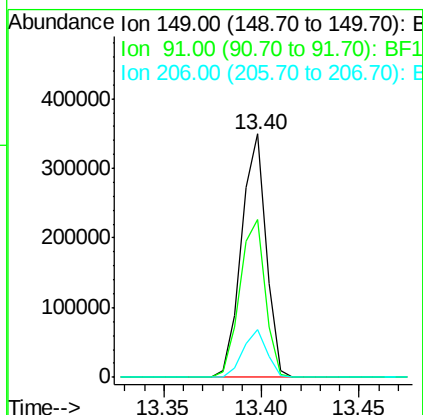
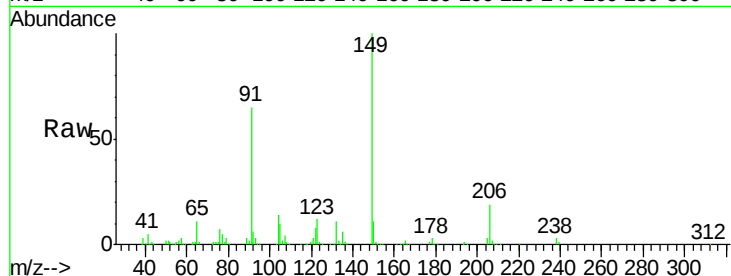




#79  
Butylbenzylphthalate  
Concen: 37.872 ng  
RT: 13.40 min Scan# 1923  
Delta R.T. 0.02 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

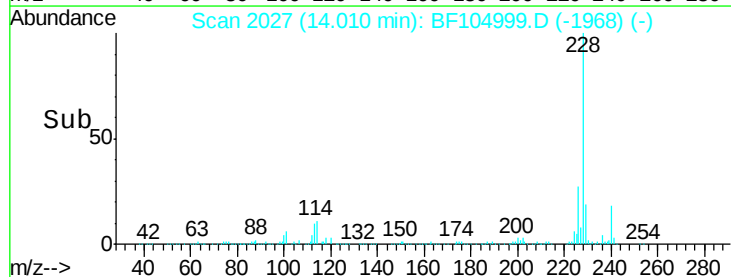
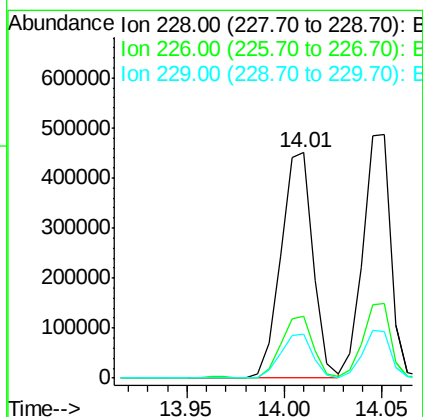
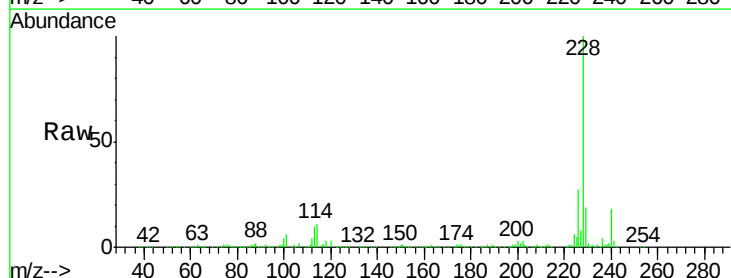
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

Tgt Ion:149 Resp: 306447  
Ion Ratio Lower Upper  
149 100  
91 64.8 56.8 85.2  
206 19.5 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 36.974 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. 0.05 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:228 Resp: 511826  
Ion Ratio Lower Upper  
228 100  
226 27.2 22.6 33.8  
229 19.5 15.8 23.6

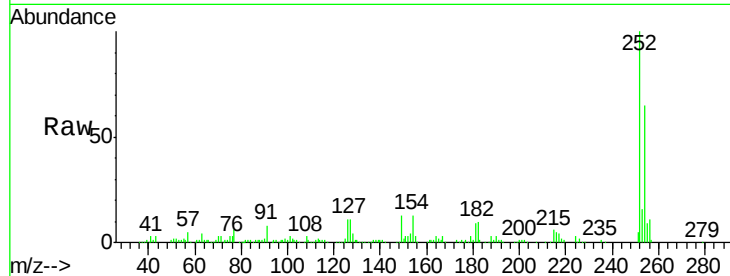




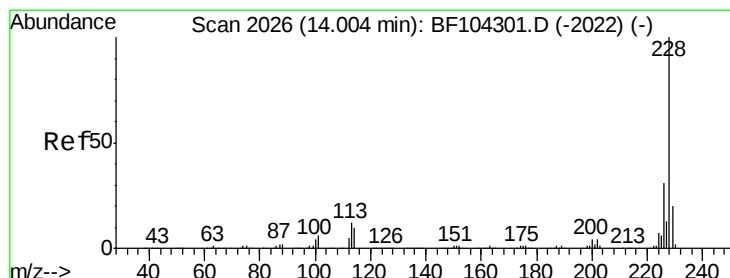
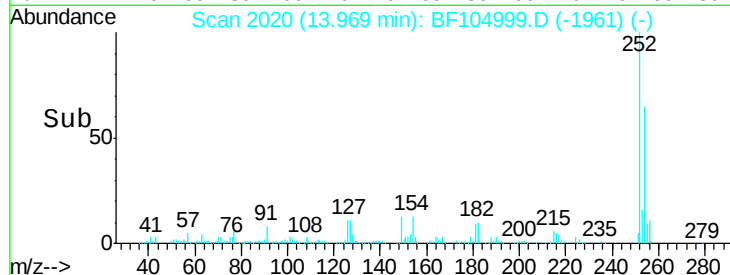
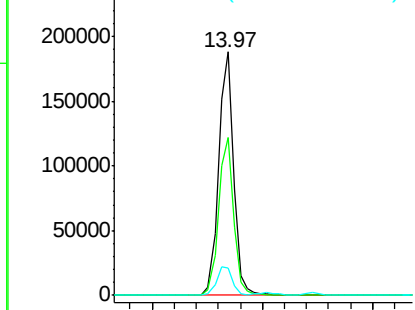
#81  
 3,3'-Dichlorobenzidine  
 Concen: 34.484 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. 0.05 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion:252 Resp: 177984  
 Ion Ratio Lower Upper  
 252 100  
 254 64.6 50.4 75.6  
 126 11.3 11.3 16.9

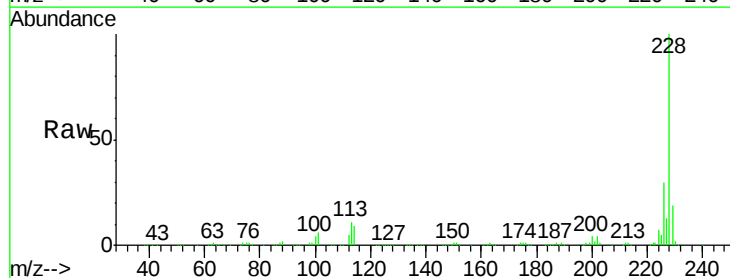


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

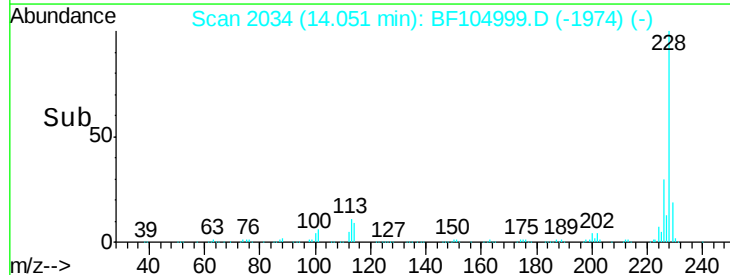
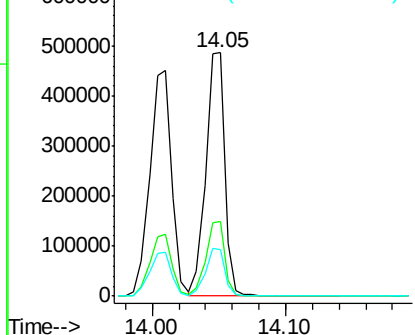


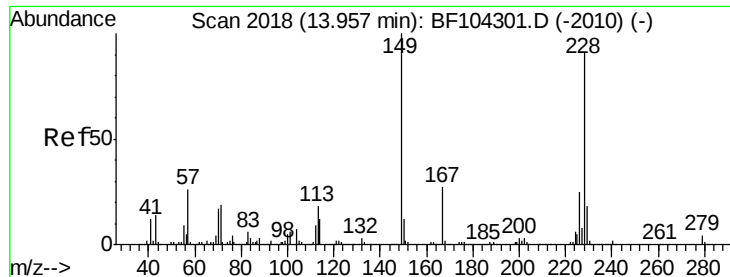
#82  
 Chrysene  
 Concen: 34.119 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. 0.05 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion:228 Resp: 485130  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 25.0 37.6  
 229 19.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.303 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.05 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

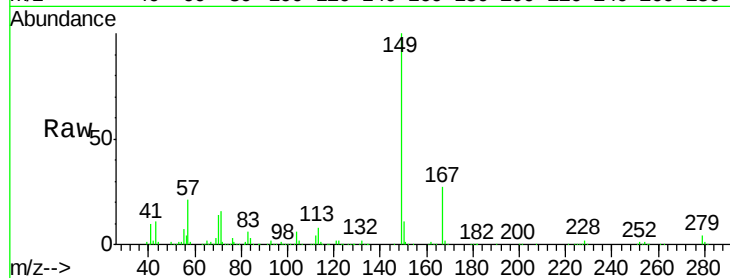
Tgt Ion:149 Resp: 419467

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

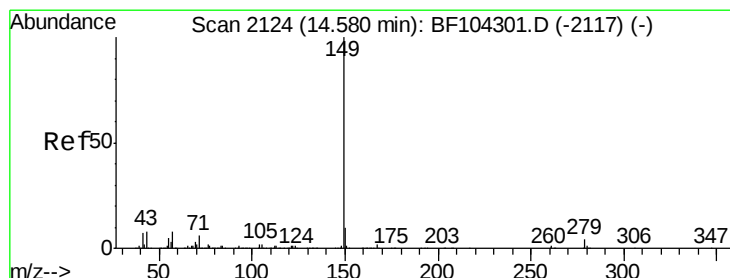
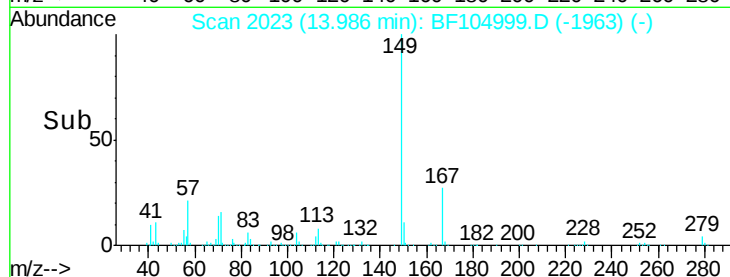
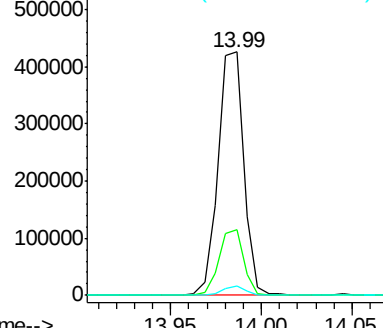
279 4.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 37.961 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.11 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

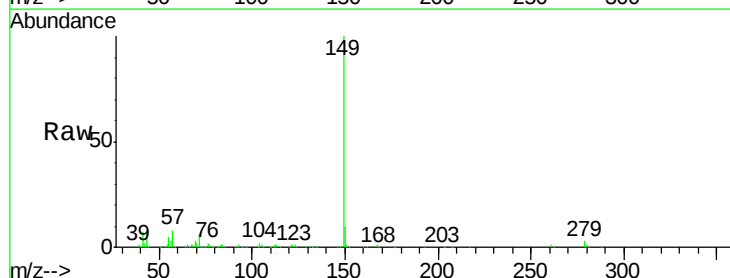
Tgt Ion:149 Resp: 660164

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

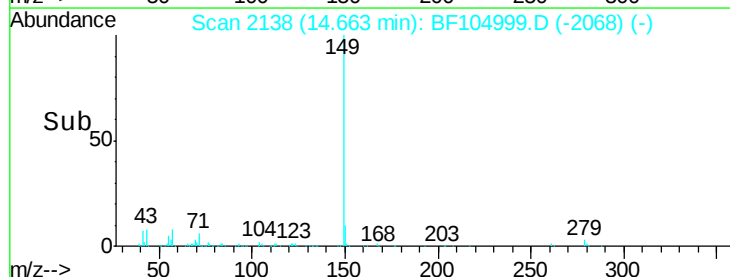
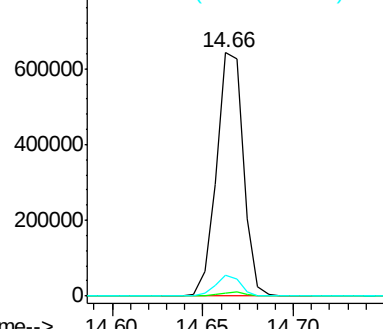
43 8.0 8.4 12.6#

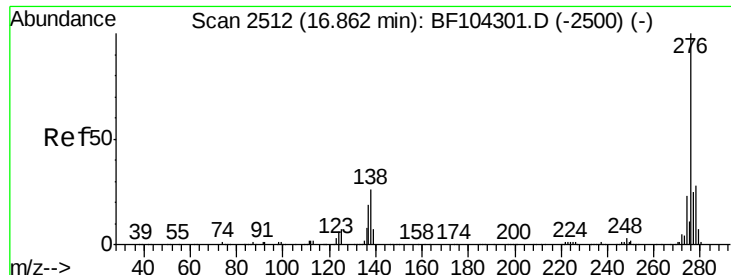


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

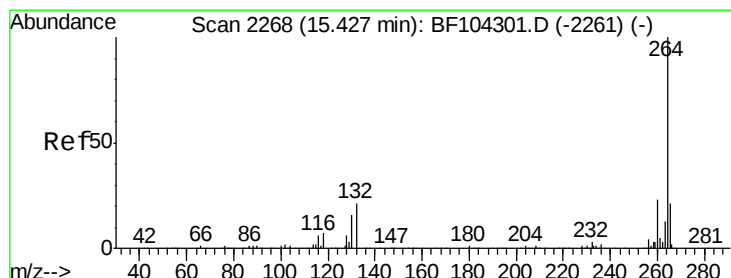
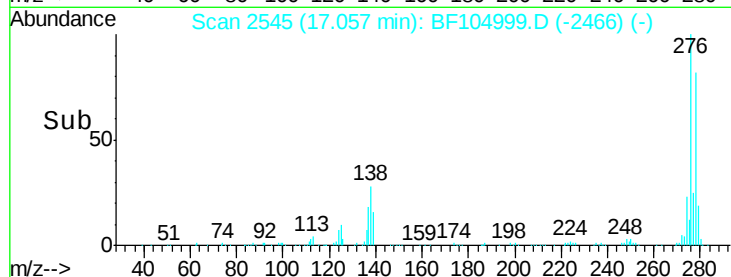
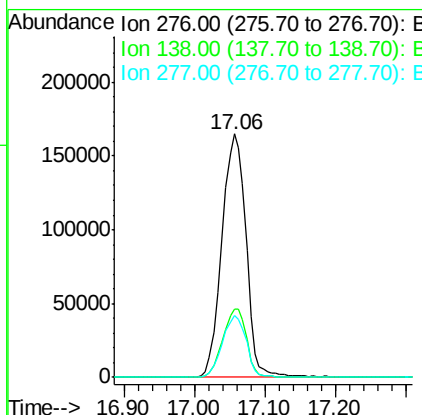
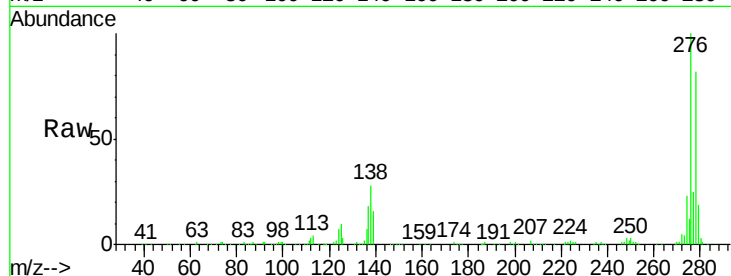




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 32.597 ng  
 RT: 17.06 min Scan# 2545  
 Delta R.T. 0.16 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

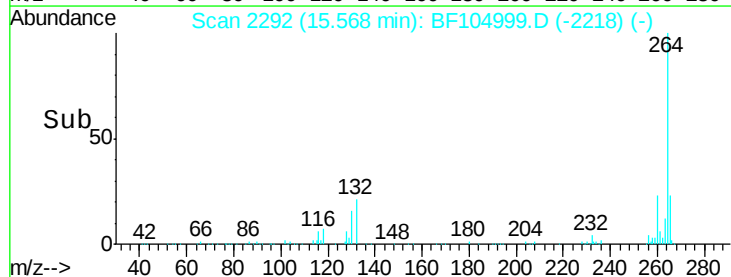
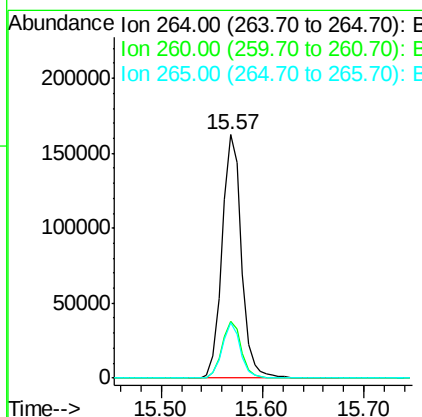
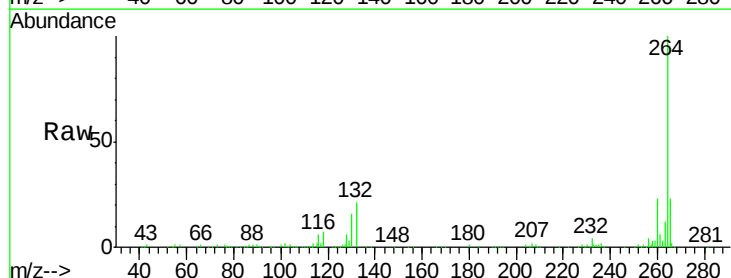
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108756BS

Tgt Ion: 276 Resp: 393723  
 Ion Ratio Lower Upper  
 276 100  
 138 27.7 25.0 37.6  
 277 25.1 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.57 min Scan# 2292  
 Delta R.T. 0.14 min  
 Lab File: BF104999.D  
 Acq: 1 May 2018 22:06

Tgt Ion: 264 Resp: 215721  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 22.6 17.5 26.3

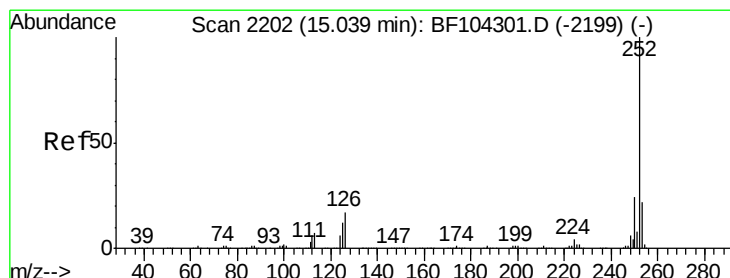
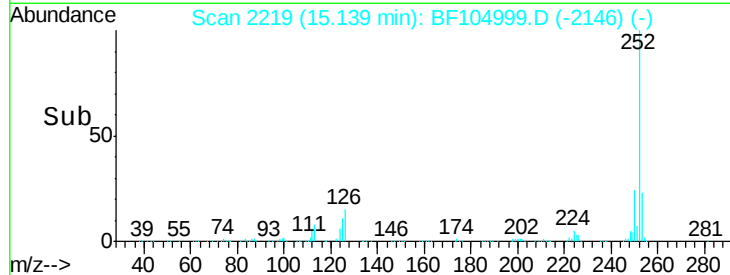
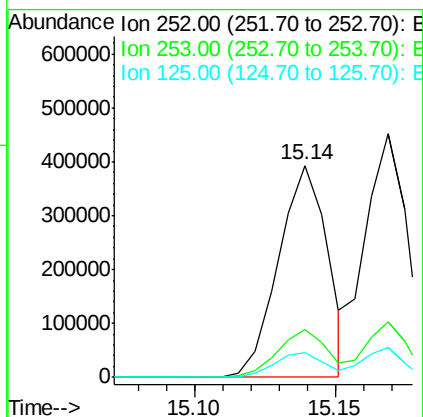
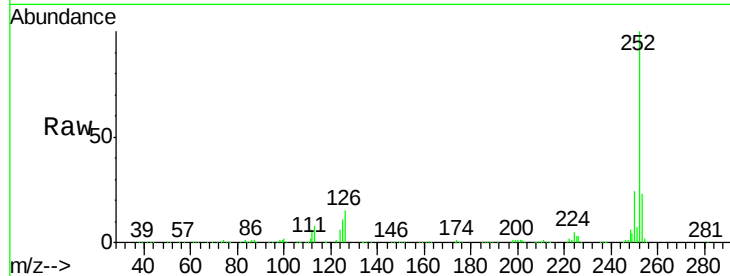




#87  
Benzo(b)fluoranthene  
Concen: 34.754 ng  
RT: 15.14 min Scan# 2219  
Delta R.T. 0.13 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

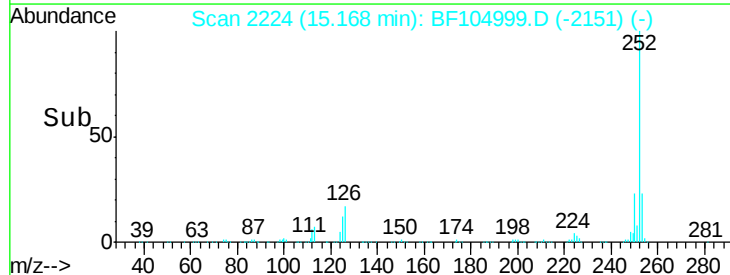
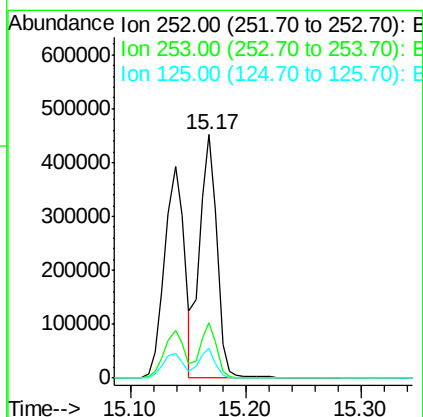
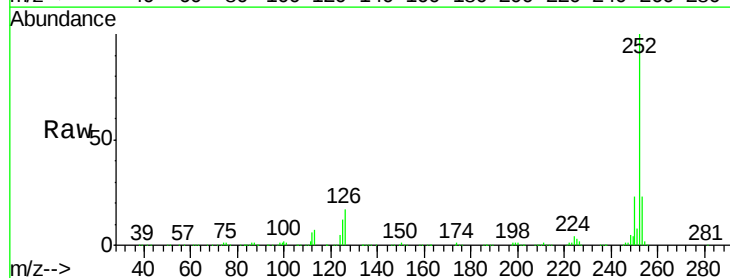
Instrument :  
BNA\_F  
ClientSampleId :  
PB108756BS

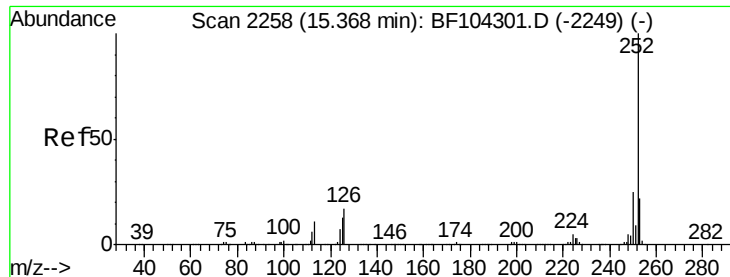
Tgt Ion:252 Resp: 473515  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.0 25.6  
125 11.5 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 36.900 ng  
RT: 15.17 min Scan# 2224  
Delta R.T. 0.13 min  
Lab File: BF104999.D  
Acq: 1 May 2018 22:06

Tgt Ion:252 Resp: 474638  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.9 26.9  
125 12.4 10.2 15.2





#89

Benzo(a)pyrene

Concen: 36.088 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.14 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

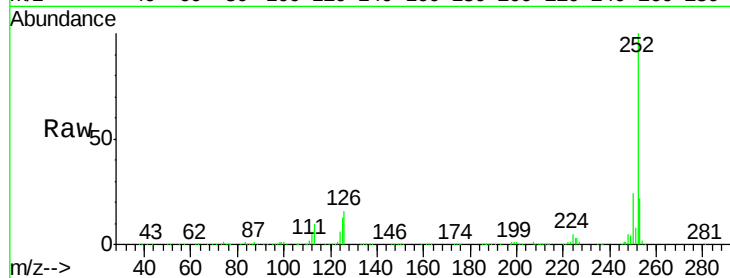
Tgt Ion:252 Resp: 439930

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

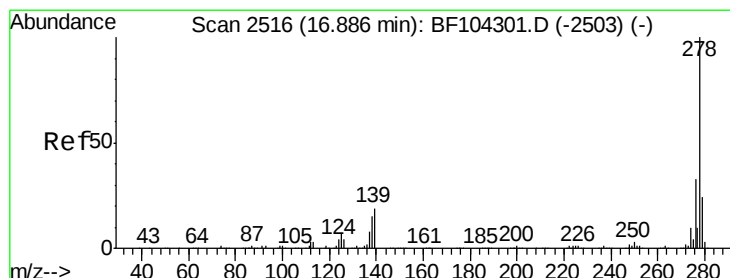
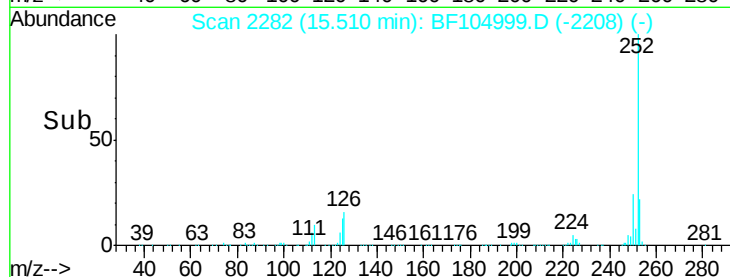
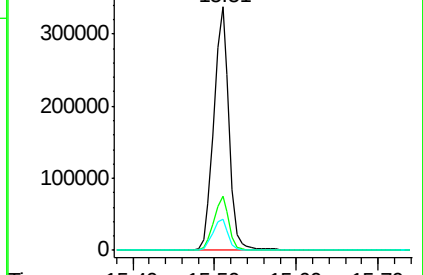
125 12.6 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 34.200 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.16 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

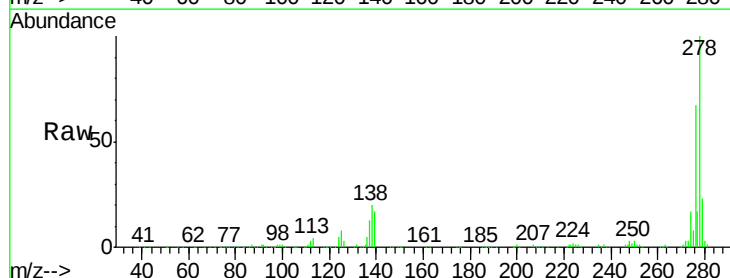
Tgt Ion:278 Resp: 342413

Ion Ratio Lower Upper

278 100

139 17.2 15.9 23.9

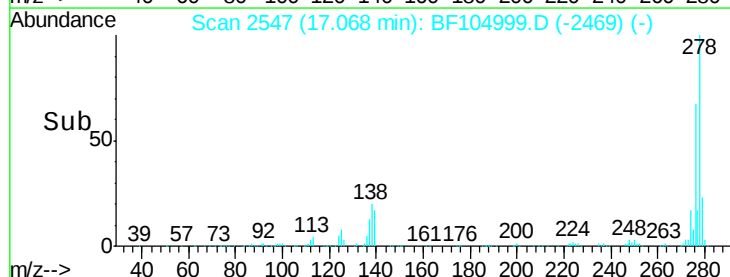
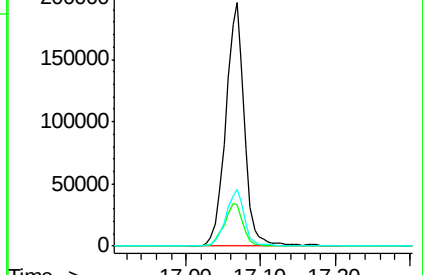
279 23.5 19.0 28.4

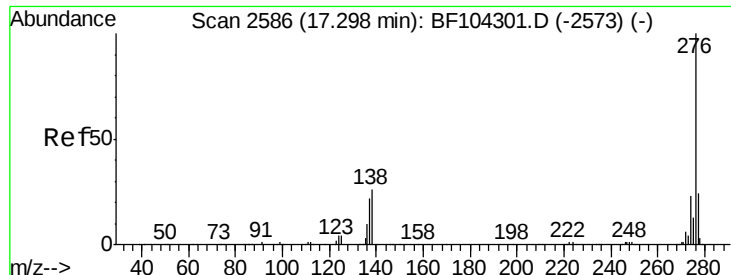


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 31.905 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.16 min

Lab File: BF104999.D

Acq: 1 May 2018 22:06

Instrument :

BNA\_F

ClientSampleId :

PB108756BS

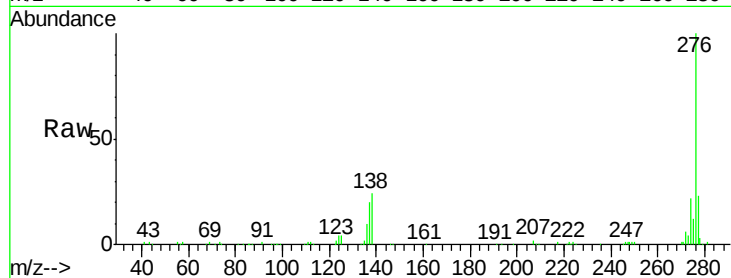
Tgt Ion:276 Resp: 309484

Ion Ratio Lower Upper

276 100

277 22.5 17.9 26.9

138 24.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

