

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107699.D  
 Acq On : 26 Jul 2018 15:03  
 Operator : JU/SJ  
 Sample : PB111479BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

Quant Time: Jul 26 15:41:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 205530   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.25  | 136  | 795692   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.01 | 164  | 372120   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.50 | 188  | 727288   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.15 | 240  | 436580   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.68 | 264  | 495345   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 1401626 | 109.65 | ng | 0.00  |
| 7) Phenol-d6             | 6.61  | 99  | 1624883 | 105.86 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 1066620 | 90.47  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 567803  | 134.18 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.32  | 172 | 2066752 | 99.65  | ng | -0.02 |
| 78) Terphenyl-d14        | 13.08 | 244 | 1969288 | 115.48 | ng | -0.02 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.90 | 88  | 161363  | 27.120 | ng | # 85   |
| 3) Pyridine                    | 3.68 | 79  | 399601  | 24.687 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.63 | 42  | 182012  | 26.661 | ng | 87     |
| 6) Aniline                     | 6.64 | 93  | 390043  | 19.702 | ng | # 66   |
| 8) 2-Chlorophenol              | 6.76 | 128 | 512061  | 37.389 | ng | 98     |
| 9) Benzaldehyde                | 6.52 | 77  | 280100  | 27.730 | ng | 94     |
| 10) Phenol                     | 6.62 | 94  | 573922  | 31.793 | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 484166  | 32.351 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 539355  | 34.735 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 584784  | 36.744 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 513404  | 35.947 | ng | 99     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 393879  | 37.652 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 797215  | 31.575 | ng | 62     |
| 17) 2-Methylphenol             | 7.22 | 107 | 417880  | 35.899 | ng | # 84   |
| 18) Hexachloroethane           | 7.47 | 117 | 205706  | 36.851 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 351051  | 35.403 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.38 | 107 | 526930  | 38.122 | ng | # 70   |
| 22) Acetophenone               | 7.37 | 105 | 730800  | 39.108 | ng | # 91   |
| 24) Nitrobenzene               | 7.55 | 77  | 521976  | 38.653 | ng | 99     |
| 25) Isophorone                 | 7.78 | 82  | 989760  | 39.317 | ng | 99     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 299514  | 52.522 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 453282  | 41.992 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 621925  | 36.967 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 450203  | 40.805 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 475193  | 38.347 | ng | 98     |
| 31) Naphthalene                | 8.27 | 128 | 1498672 | 42.832 | ng | 99     |
| 32) Benzoic acid               | 8.04 | 122 | 316762  | 43.016 | ng | 98     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 171899  | 11.240 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 278122  | 37.771 | ng | 99     |
| 35) Caprolactam                | 8.71 | 113 | 82918   | 23.106 | ng | # 84   |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 494063  | 40.312 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 1050957 | 43.345 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 489999  | 39.479 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.10 | 237 | 542198  | 85.935 | ng | 99     |

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 ALS Vial : 3 Sample Multiplier: 1

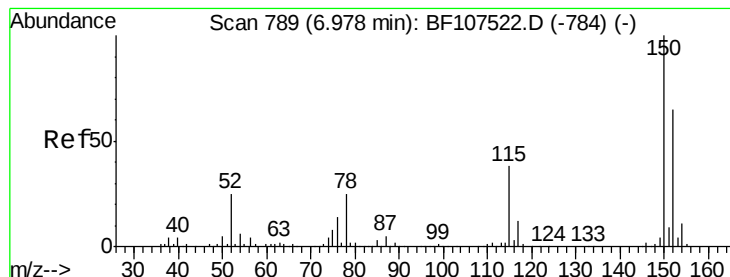
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

Quant Time: Jul 26 15:41:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
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 QLast Update : Fri Jul 20 16:29:27 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 325611   | 40.985 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 361882   | 43.583 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 1292872  | 39.884 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 971938   | 39.226 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 324518   | 44.925 | ng    | 88       |
| 48) Acenaphthylene             | 9.87  | 152  | 1576177  | 42.346 | ng    | 99       |
| 49) Dimethylphthalate          | 9.72  | 163  | 1116465  | 39.809 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 245764   | 44.137 | ng    | 96       |
| 51) Acenaphthene               | 10.04 | 154  | 880233   | 37.744 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.97  | 138  | 138335   | 20.422 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 272148   | 94.799 | ng    | # 22     |
| 54) Dibenzofuran               | 10.21 | 168  | 1359967  | 39.611 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 310418   | 61.206 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 312683   | 46.521 | ng    | # 95     |
| 57) Fluorene                   | 10.56 | 166  | 1083722  | 44.244 | ng    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.34 | 232  | 325723   | 47.135 | ng    | # 84     |
| 59) Diethylphthalate           | 10.42 | 149  | 1162396  | 39.686 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 539794   | 38.982 | ng    | 94       |
| 61) 4-Nitroaniline             | 10.60 | 138  | 229247   | 40.281 | ng    | 94       |
| 62) Azobenzene                 | 10.71 | 77   | 1078802  | 39.279 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 174034   | 49.284 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.67 | 169  | 960254   | 38.876 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.04 | 248  | 334140   | 39.029 | ng    | # 90     |
| 67) Hexachlorobenzene          | 11.10 | 284  | 370583   | 39.340 | ng    | # 91     |
| 68) Atrazine                   | 11.20 | 200  | 292370   | 38.768 | ng    | 95       |
| 69) Pentachlorophenol          | 11.31 | 266  | 385423   | 65.504 | ng    | 99       |
| 70) Phenanthrene               | 11.52 | 178  | 1463114  | 41.283 | ng    | 100      |
| 71) Anthracene                 | 11.58 | 178  | 1598213  | 44.788 | ng    | 99       |
| 72) Carbazole                  | 11.74 | 167  | 1395667  | 37.612 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 1710771  | 44.732 | ng    | 100      |
| 74) Fluoranthene               | 12.72 | 202  | 1528529  | 40.192 | ng    | 96       |
| 76) Benzidine                  | 12.85 | 184  | 347931   | 27.673 | ng    | 97       |
| 77) Pyrene                     | 12.95 | 202  | 1487229  | 49.803 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 615403   | 47.919 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 1089999  | 42.604 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 268091   | 32.721 | ng    | # 98     |
| 82) Chrysene                   | 14.18 | 228  | 1061653  | 43.198 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 779109   | 42.996 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 14.72 | 149  | 1201272  | 42.649 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 1352732  | 64.944 | ng    | # 92     |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 988606   | 36.467 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.25 | 252  | 1044910  | 39.342 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 1032184  | 41.624 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.28 | 278  | 1117319  | 52.123 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.75 | 276  | 1155301  | 54.639 | ng    | # 93     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.96 min Scan# 786

Delta R.T. -0.02 min

Lab File: BF107699.D

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Instrument :

BNA\_F

ClientSampleId :

PB111479BS

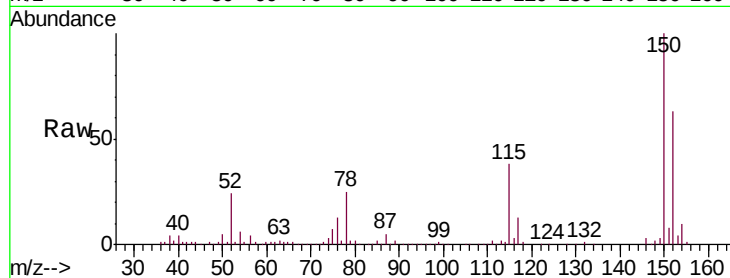
Tgt Ion:152 Resp: 205530

Ion Ratio Lower Upper

152 100

150 158.0 124.6 186.8

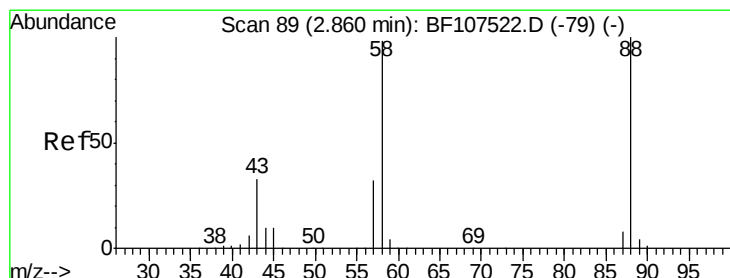
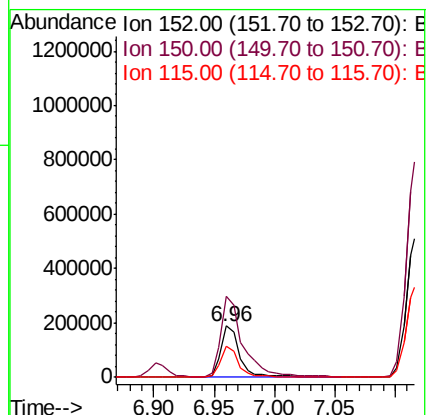
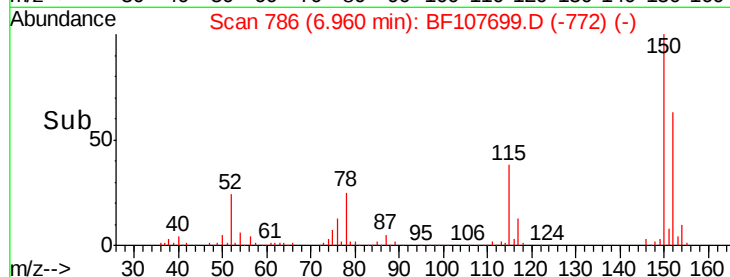
115 60.7 50.1 75.1



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: 27.120 ng

RT: 2.90 min Scan# 95

Delta R.T. 0.04 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

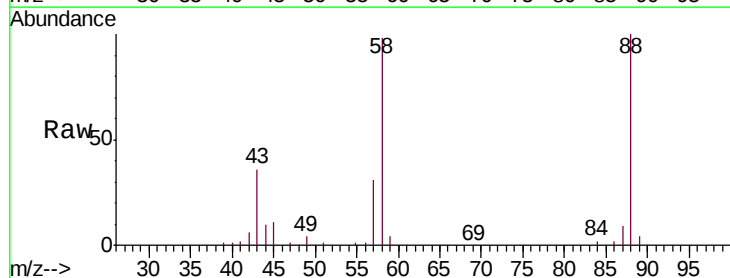
Tgt Ion: 88 Resp: 161363

Ion Ratio Lower Upper

88 100

58 95.1 62.6 93.8#

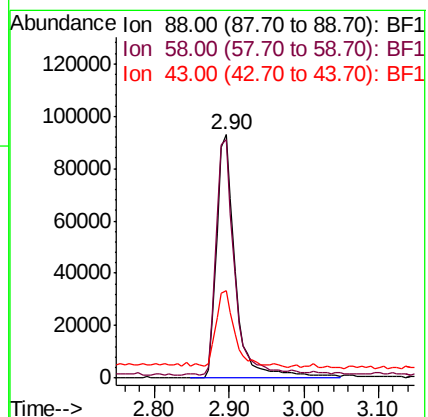
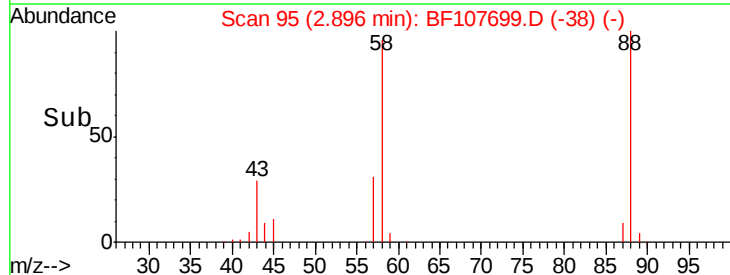
43 28.9 24.6 37.0

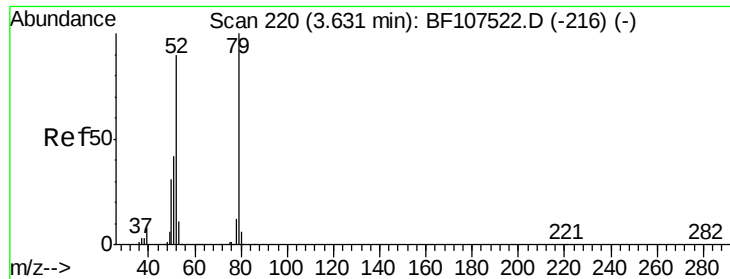


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 24.687 ng

RT: 3.68 min Scan# 228

Delta R.T. 0.05 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

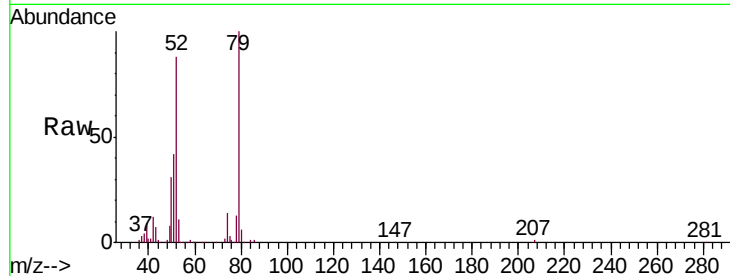
Tgt Ion: 79 Resp: 399601

Ion Ratio Lower Upper

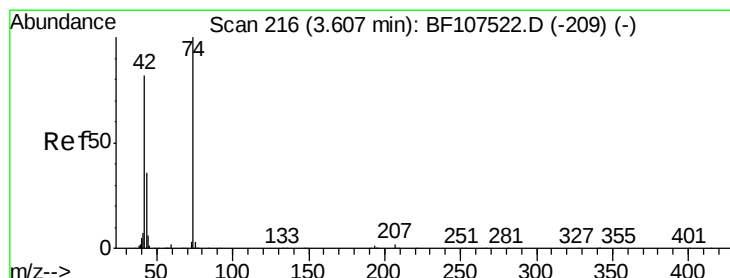
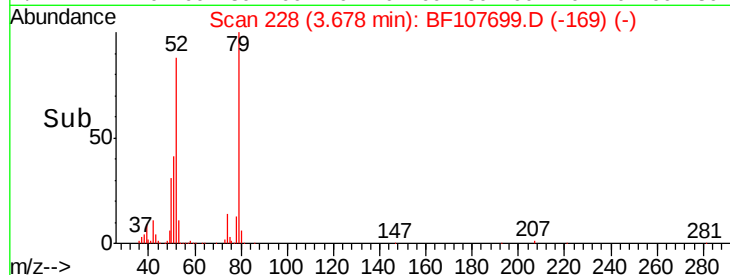
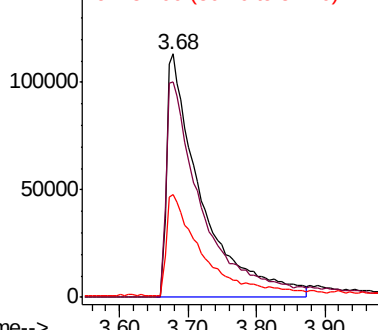
79 100

52 88.4 59.8 89.6

51 42.0 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



#4

n-Nitrosodimethylamine

Concen: 26.661 ng

RT: 3.63 min Scan# 220

Delta R.T. 0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

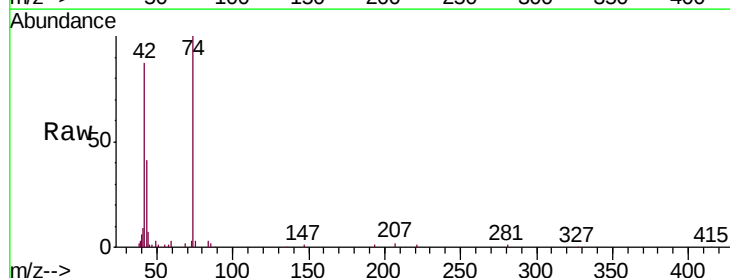
Tgt Ion: 42 Resp: 182012

Ion Ratio Lower Upper

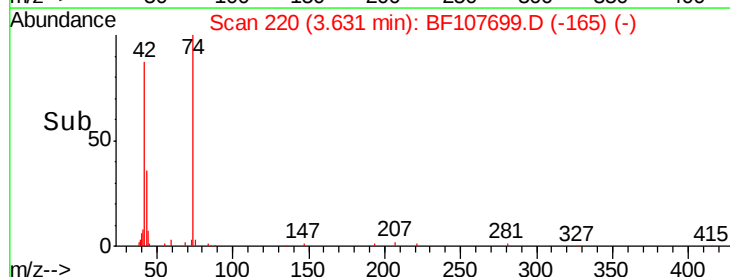
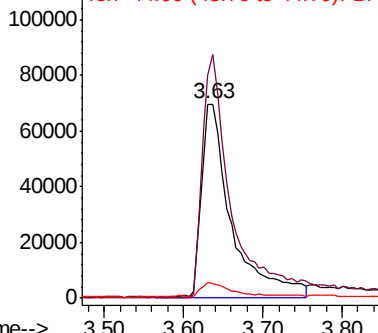
42 100

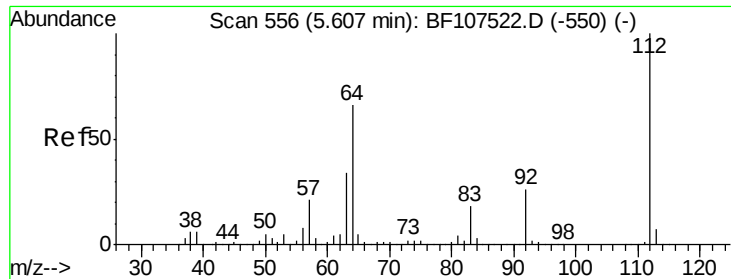
74 114.8 104.9 157.3

44 8.3 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





#5

2-Fluorophenol

Concen: 109.646 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

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ClientSampleId :

PB111479BS

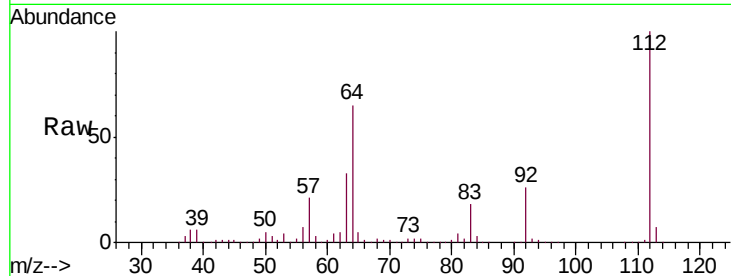
Tgt Ion:112 Resp: 1401626

Ion Ratio Lower Upper

112 100

64 64.9 47.9 71.9

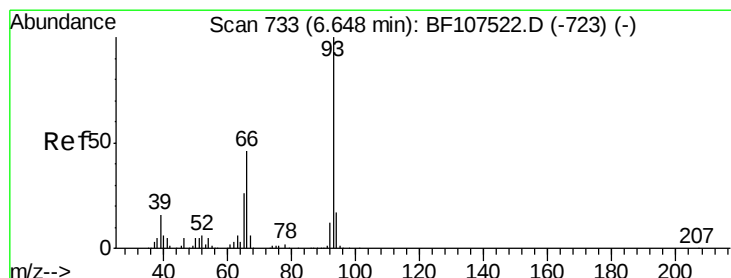
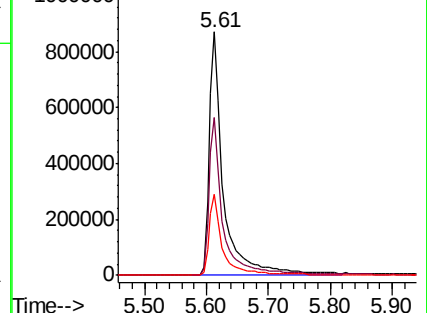
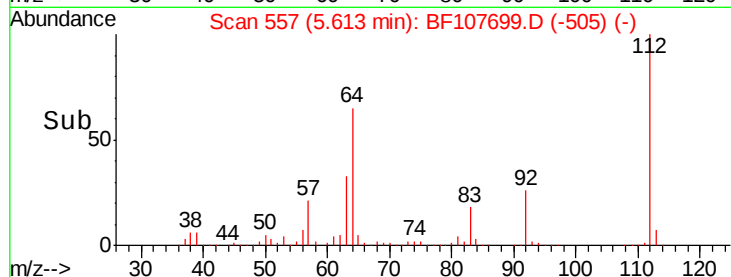
63 33.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.702 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

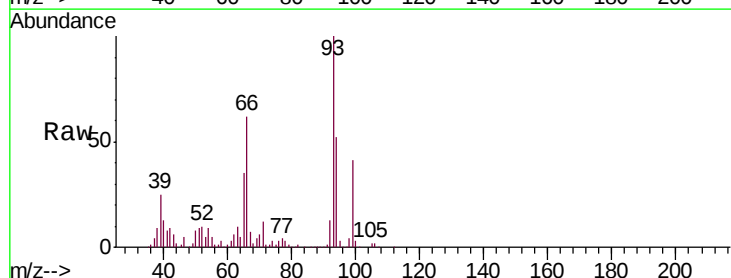
Tgt Ion: 93 Resp: 390043

Ion Ratio Lower Upper

93 100

66 62.3 32.2 48.2#

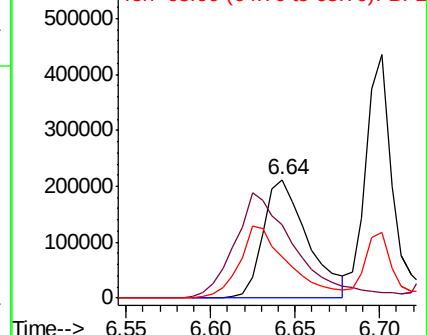
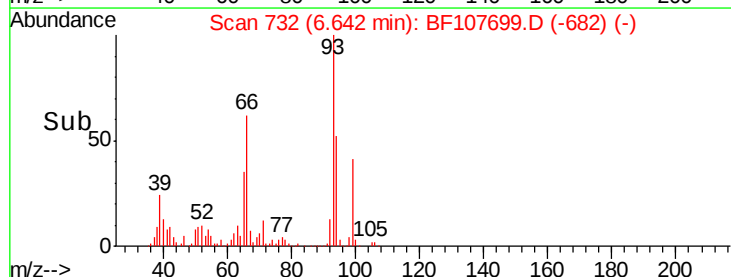
65 34.8 16.4 24.6#

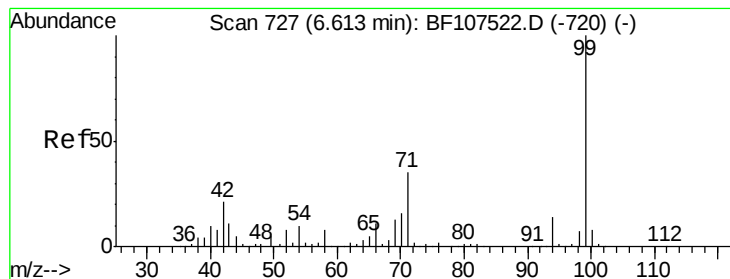


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.860 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

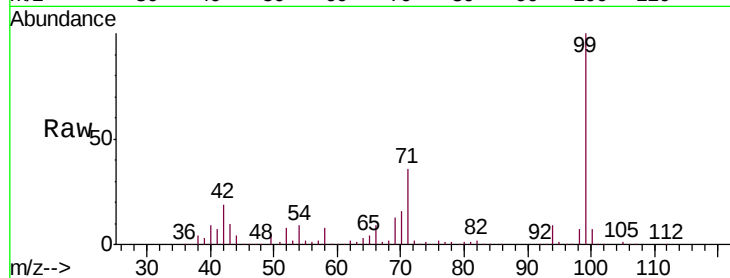
Tgt Ion: 99 Resp: 1624883

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

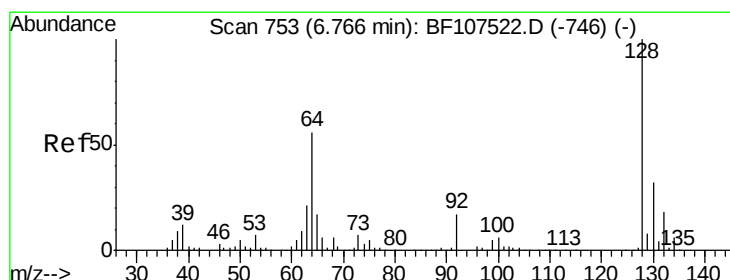
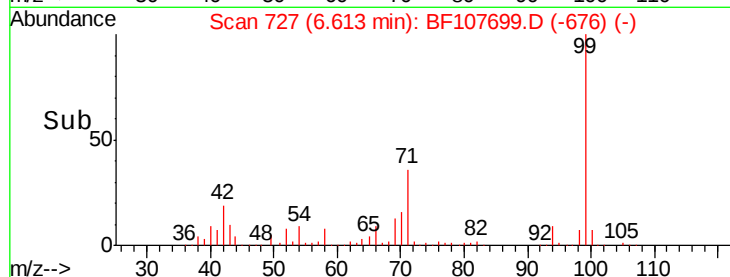
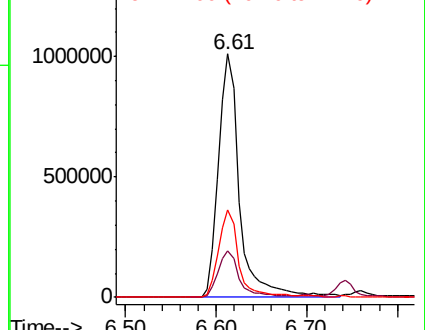
71 35.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.389 ng

RT: 6.76 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

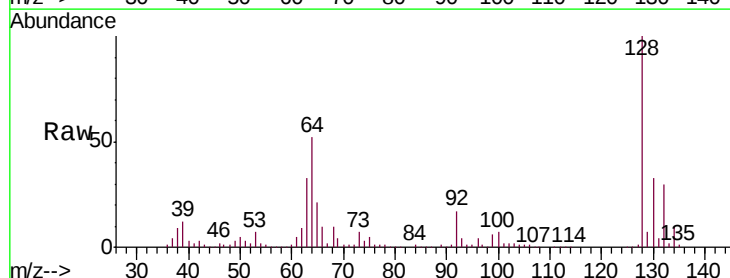
Tgt Ion: 128 Resp: 512061

Ion Ratio Lower Upper

128 100

130 32.8 13.0 53.0

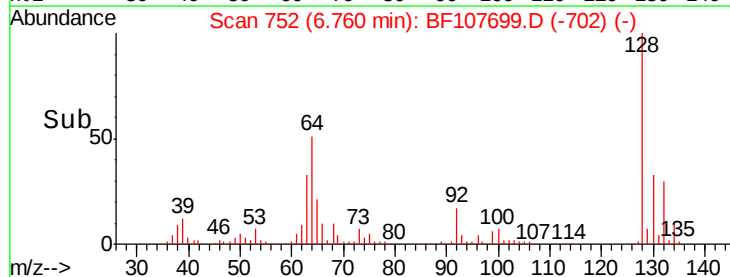
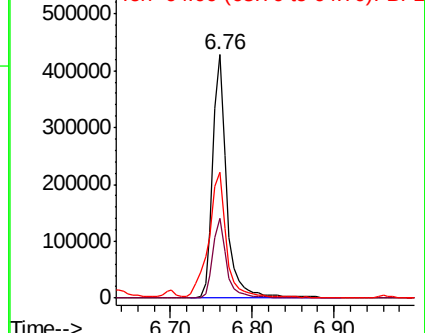
64 51.5 29.4 69.4

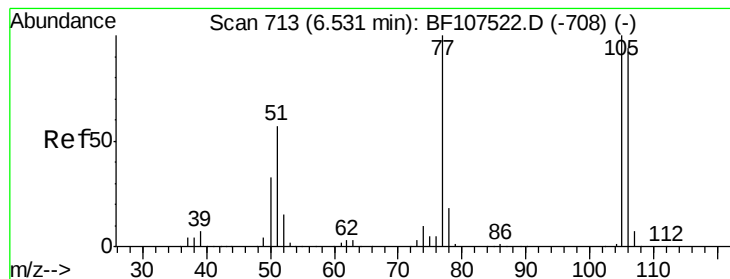


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.730 ng

RT: 6.52 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

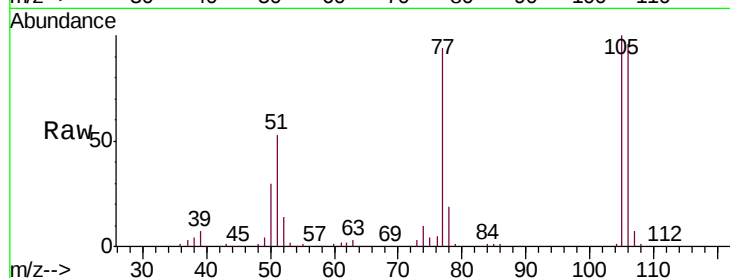
Tgt Ion: 77 Resp: 280100

Ion Ratio Lower Upper

77 100

105 106.3 81.1 121.1

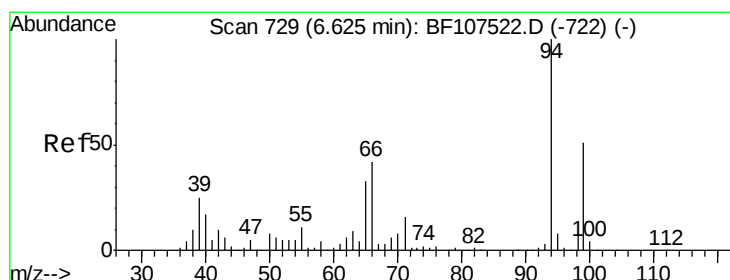
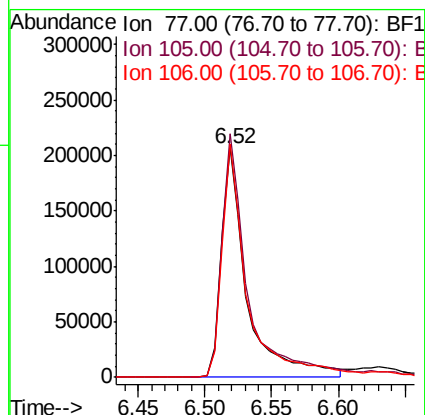
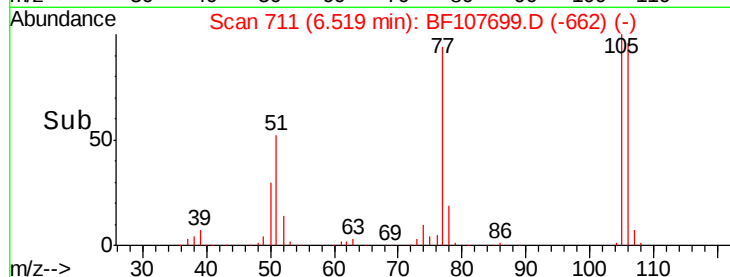
106 101.9 74.5 114.5



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: 31.793 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

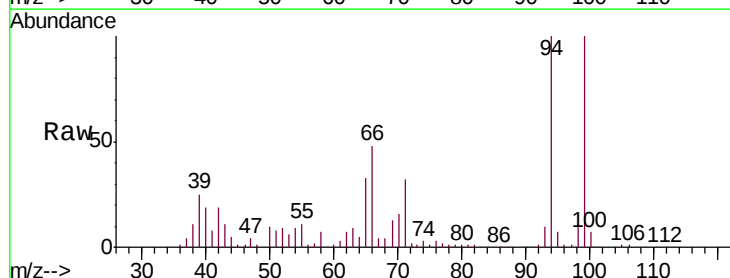
Tgt Ion: 94 Resp: 573922

Ion Ratio Lower Upper

94 100

65 33.0 7.9 47.9

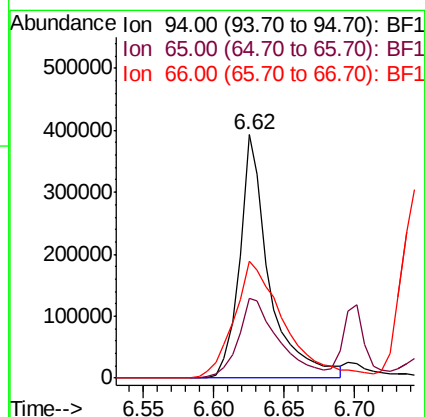
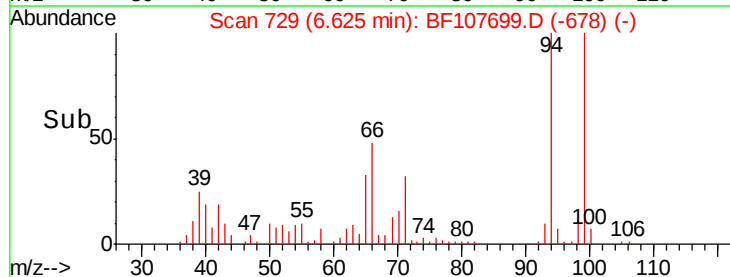
66 48.1 16.2 56.2

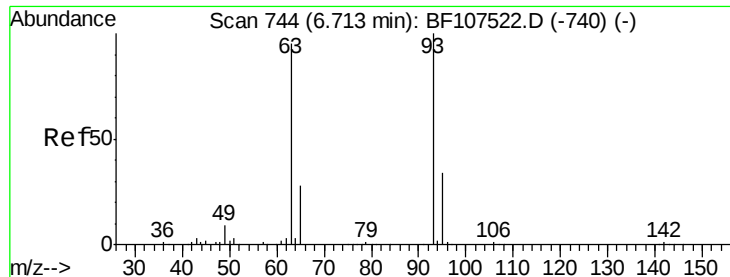


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

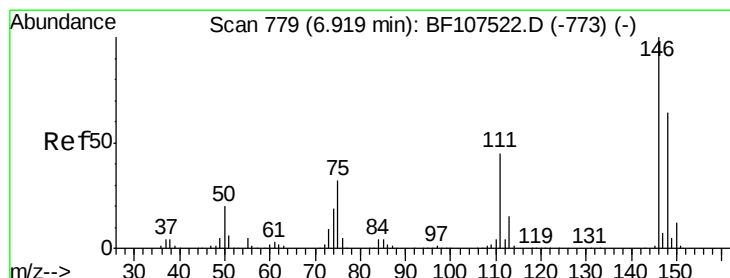
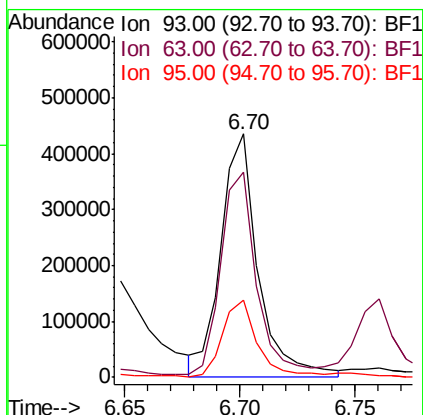
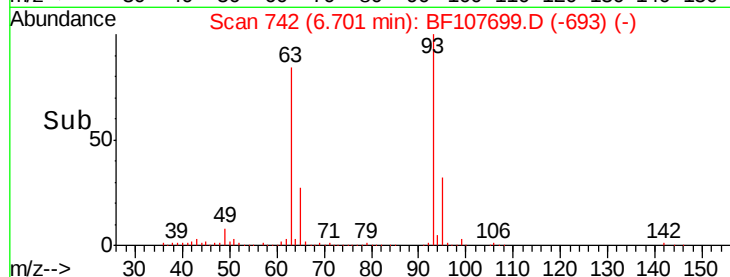
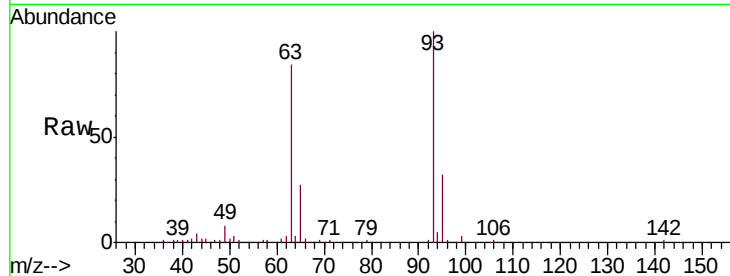




#11  
bis(2-Chloroethyl)ether  
Concen: 32.351 ng  
RT: 6.70 min Scan# 742  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

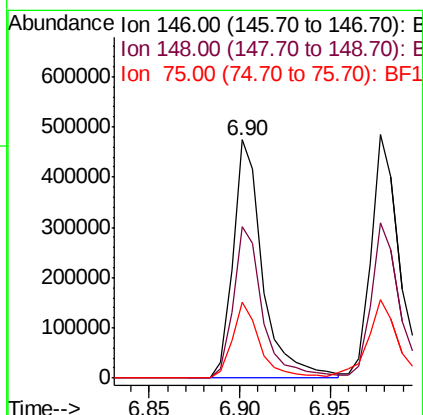
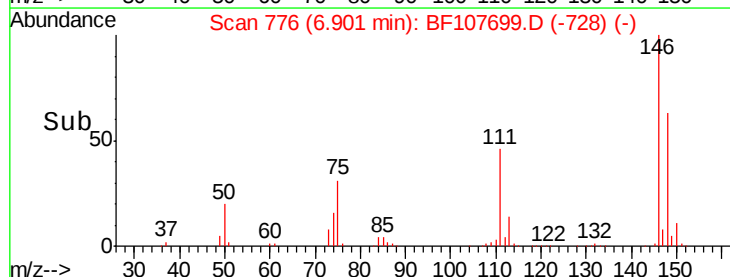
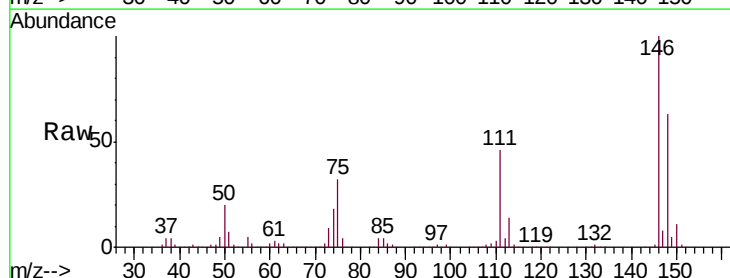
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

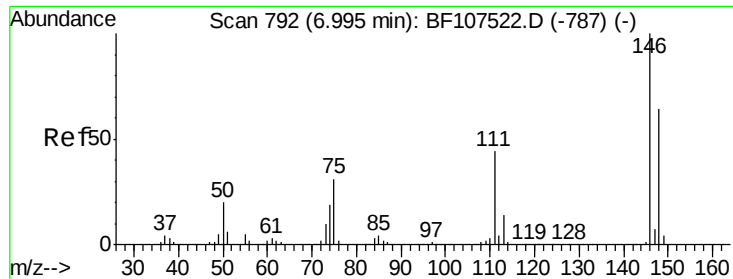
Tgt Ion: 93 Resp: 484166  
Ion Ratio Lower Upper  
93 100  
63 84.3 58.6 98.6  
95 31.9 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 34.735 ng  
RT: 6.90 min Scan# 776  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 146 Resp: 539355  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.8 77.8  
75 32.0 24.2 36.4

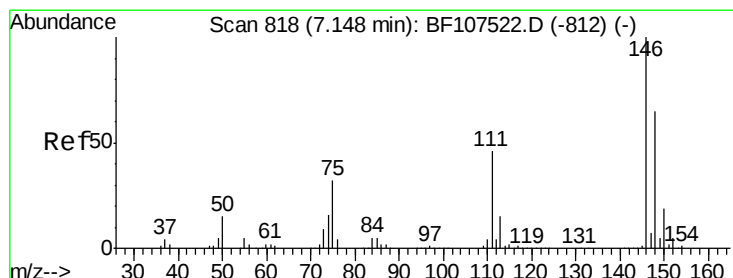
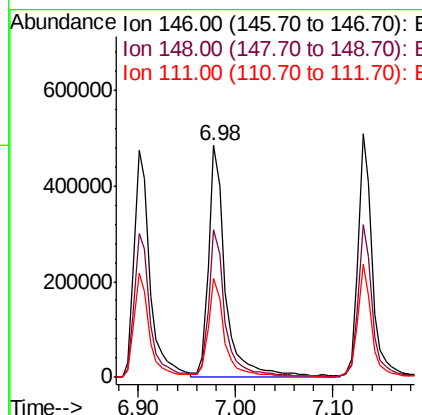
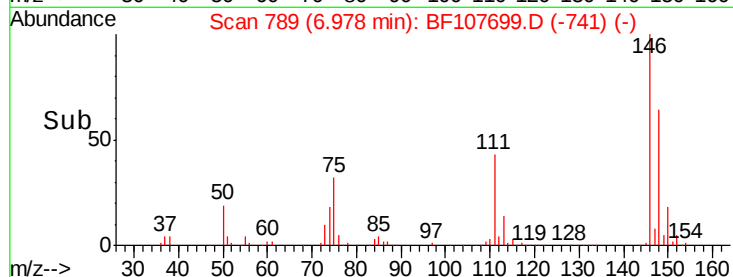
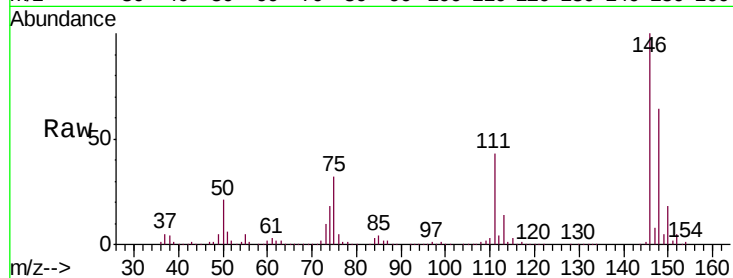




#13  
 1,4-Dichlorobenzene  
 Concen: 36.744 ng  
 RT: 6.98 min Scan# 789  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

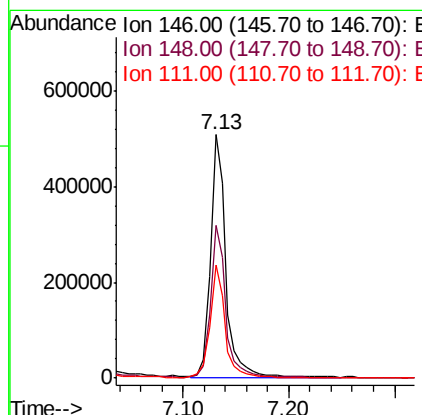
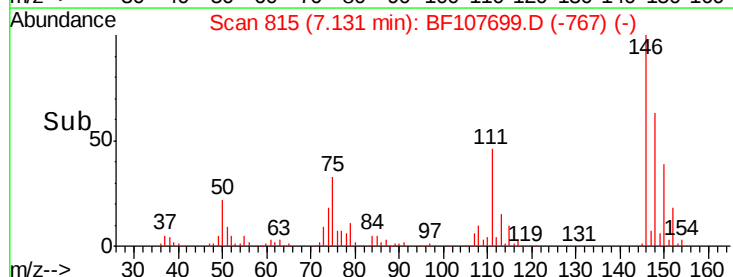
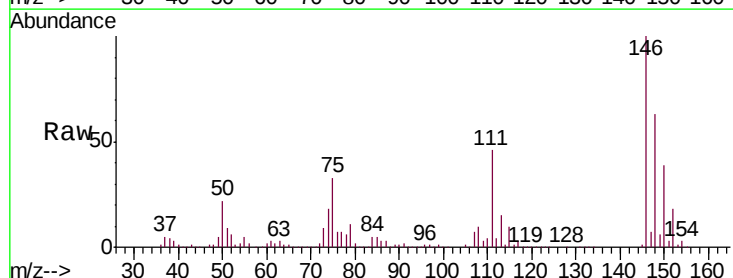
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

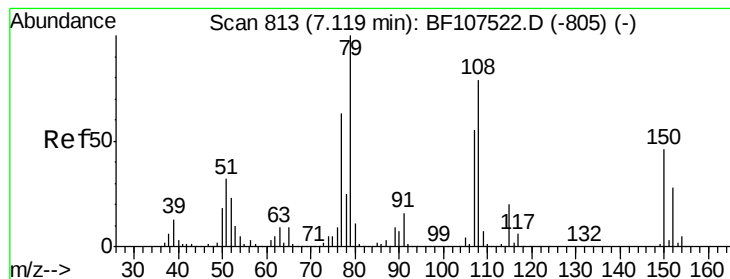
Tgt Ion:146 Resp: 584784  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.8 76.2  
 111 42.9 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 35.947 ng  
 RT: 7.13 min Scan# 815  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:146 Resp: 513404  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 50.6 75.8  
 111 46.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 37.652 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

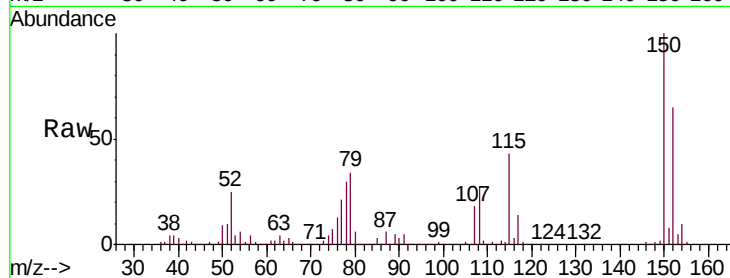
Tgt Ion: 79 Resp: 393879

Ion Ratio Lower Upper

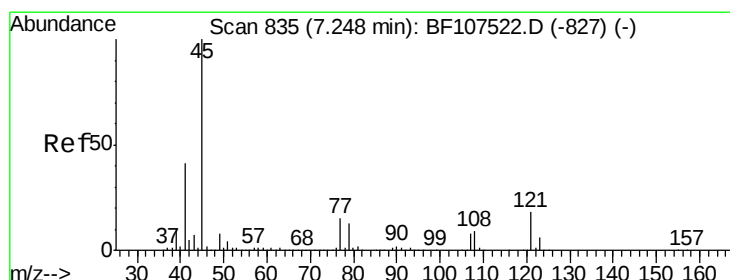
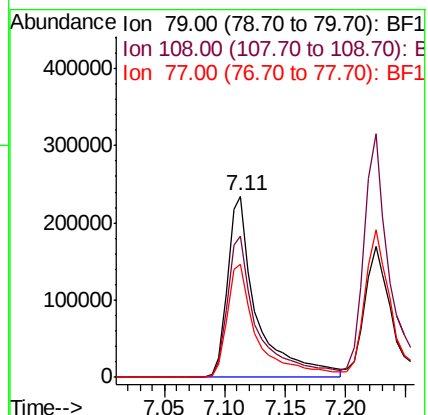
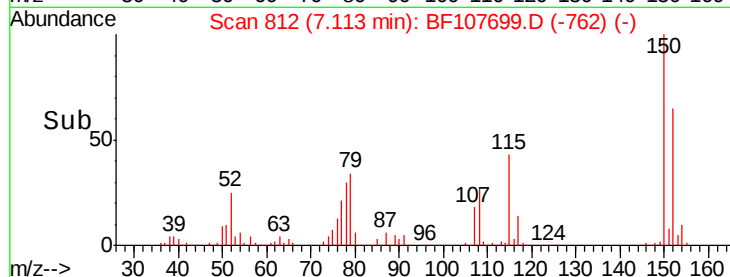
79 100

108 78.1 65.1 97.7

77 62.6 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: 31.575 ng

RT: 7.23 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

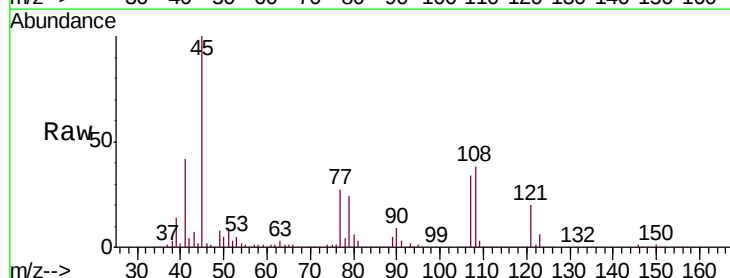
Tgt Ion: 45 Resp: 797215

Ion Ratio Lower Upper

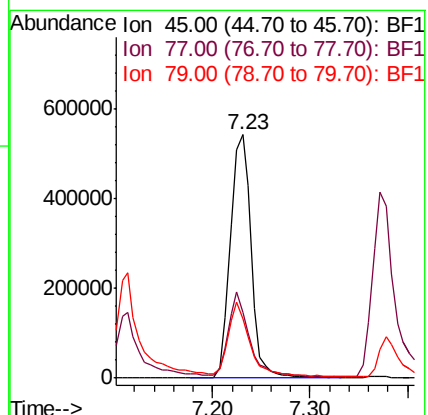
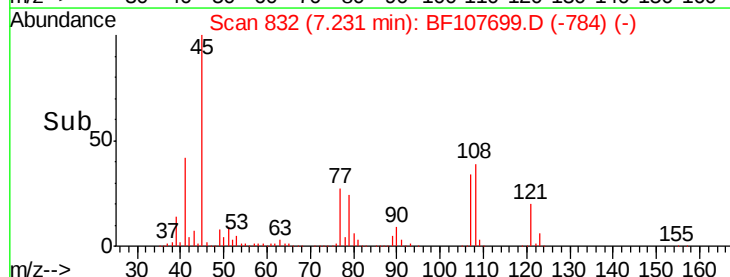
45 100

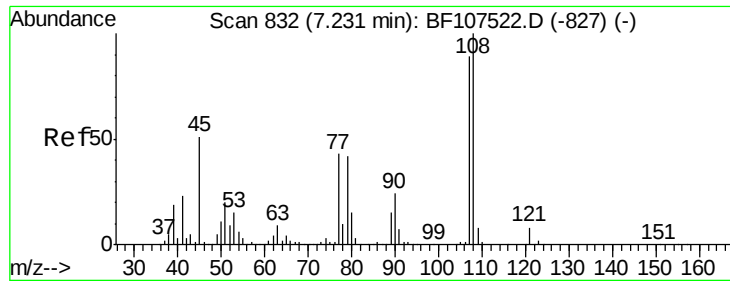
77 26.9 0.0 32.9

79 24.5 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

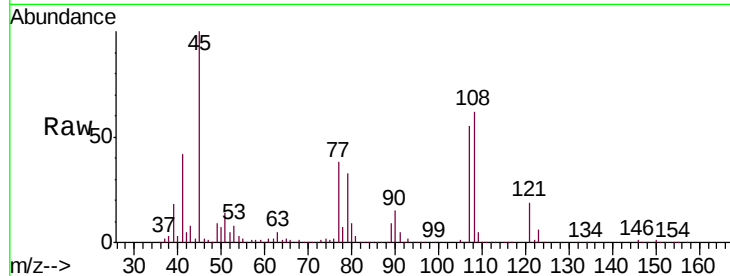




#17  
2-Methylphenol  
Concen: 35.899 ng  
RT: 7.22 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.3 | 91.7  | 137.5 |
| 77      | 67.9  | 33.8  | 50.8# |
| 79      | 60.3  | 33.8  | 50.8# |



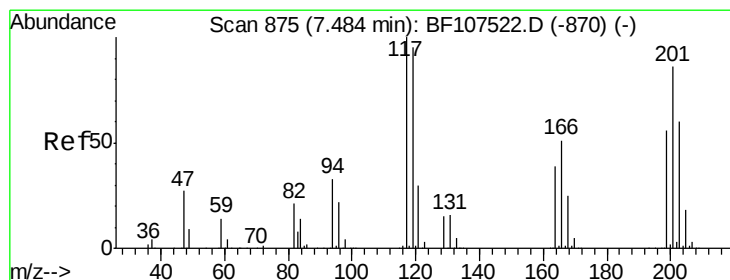
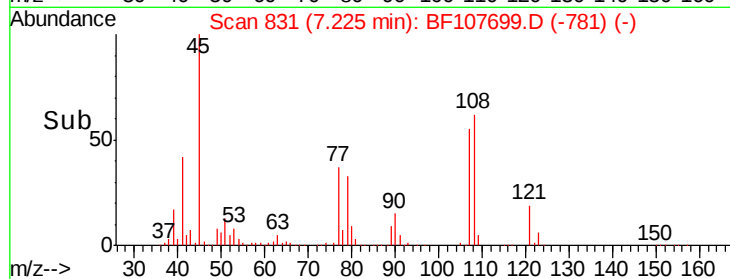
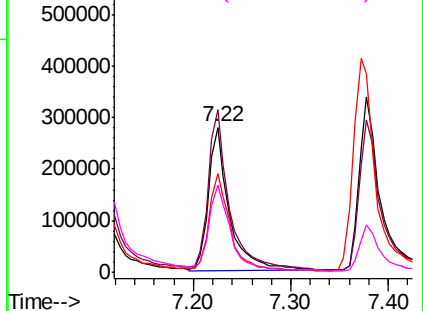
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

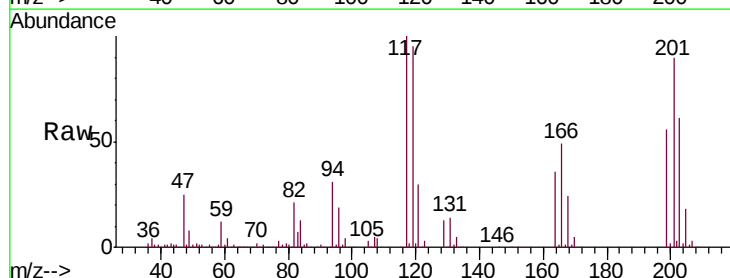
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 36.851 ng  
RT: 7.47 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 75.8  | 113.8 |
| 201     | 89.8  | 75.7  | 113.5 |

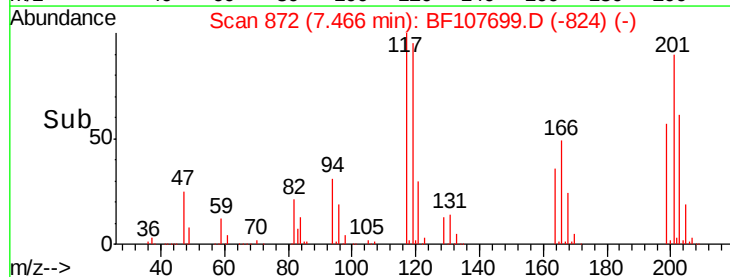
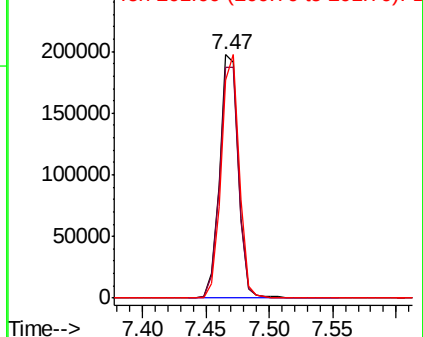


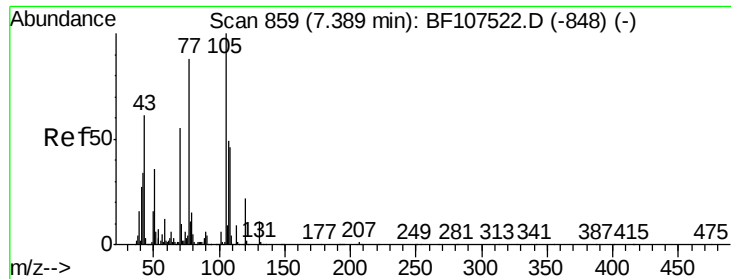
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

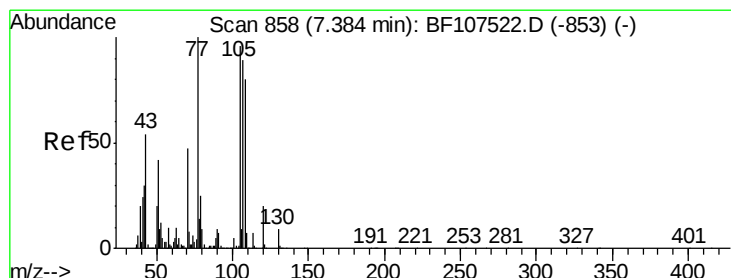
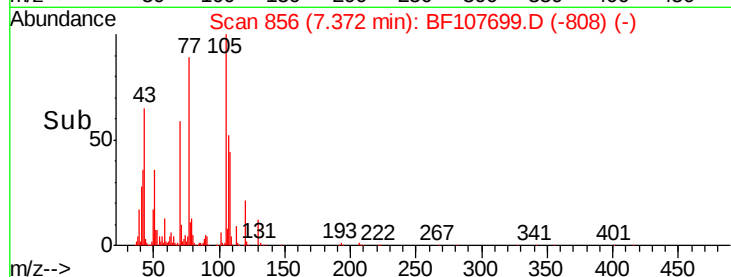
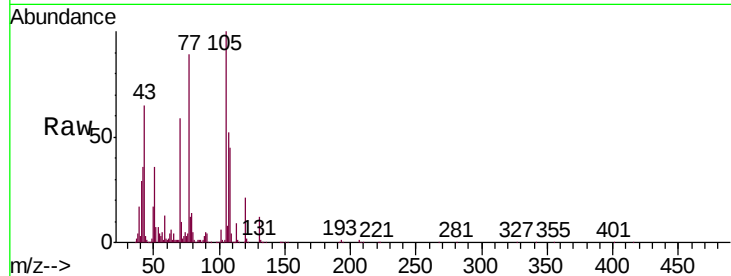
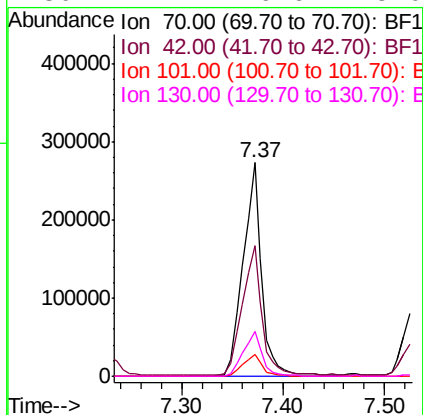




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.403 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

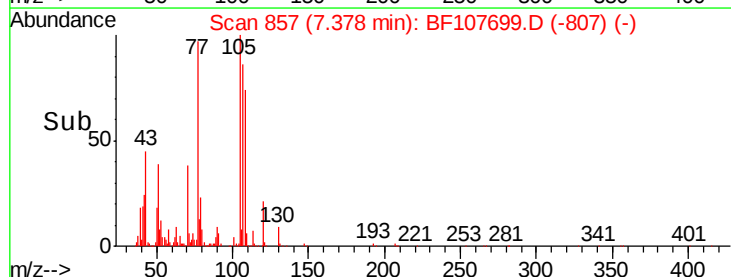
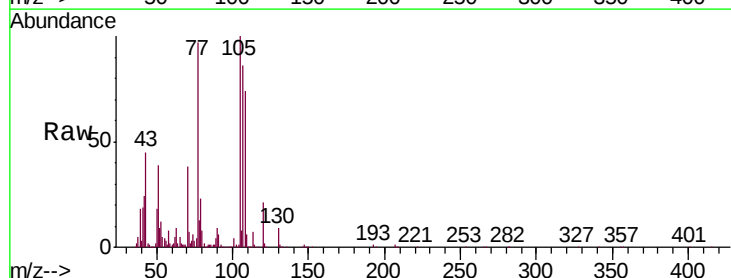
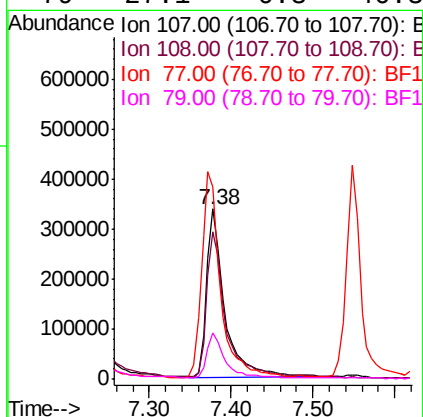
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

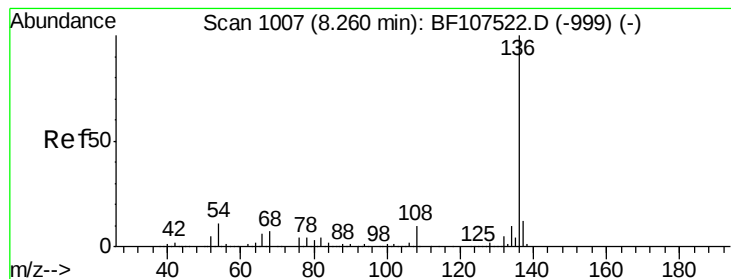
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 351051 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 60.9  | 47.5  | 71.3   |
| 101      | 10.3  | 7.4   | 11.2   |
| 130      | 21.1  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 38.122 ng  
RT: 7.38 min Scan# 857  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 526930 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.8  | 68.2  | 108.2  |
| 77       | 112.9 | 26.7  | 66.7#  |
| 79       | 27.1  | 6.3   | 46.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

Tgt Ion:136 Resp: 795692

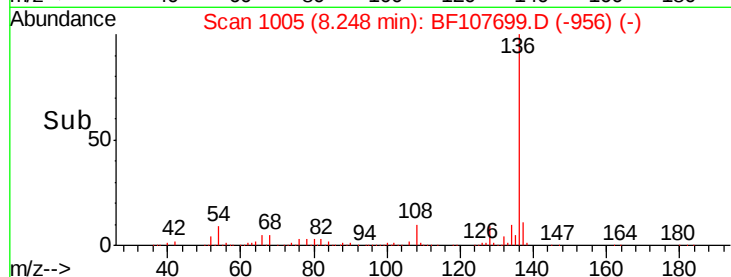
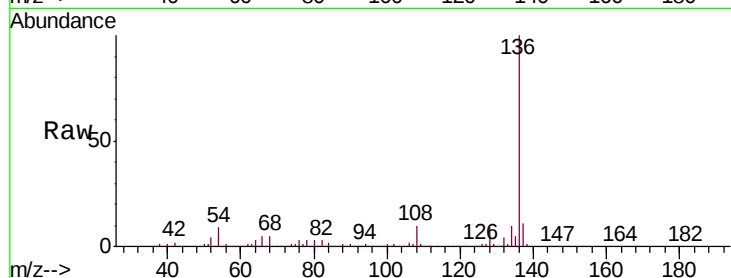
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.8 6.6 9.8

68 5.1 5.0 7.4



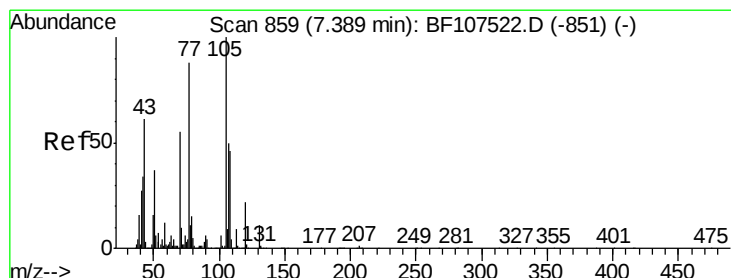
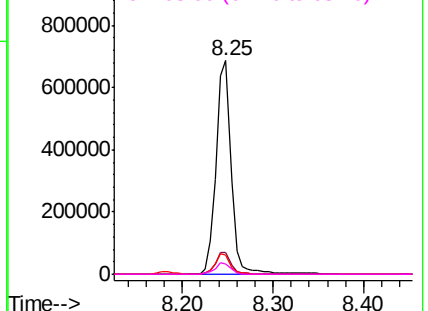
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 39.108 ng

RT: 7.37 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Tgt Ion:105 Resp: 730800

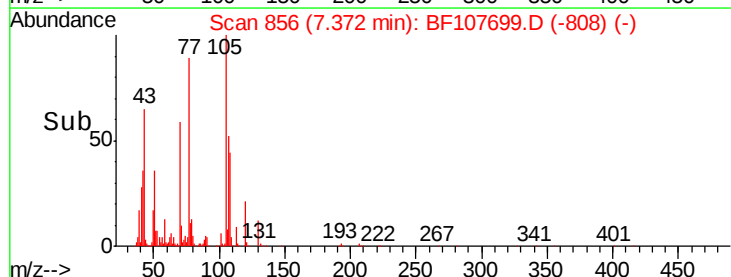
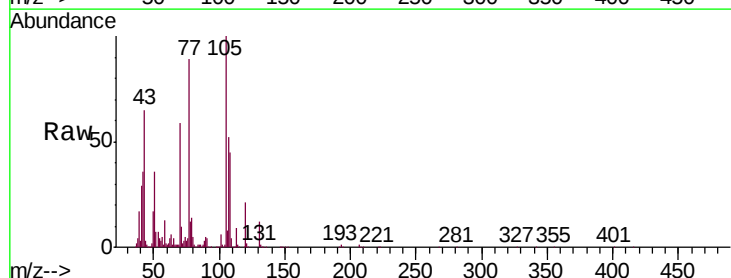
Ion Ratio Lower Upper

105 100

71 9.7 4.4 6.6#

51 36.0 22.3 33.5#

120 21.0 16.9 25.3



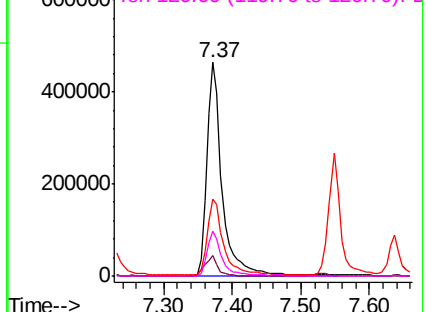
Abundance

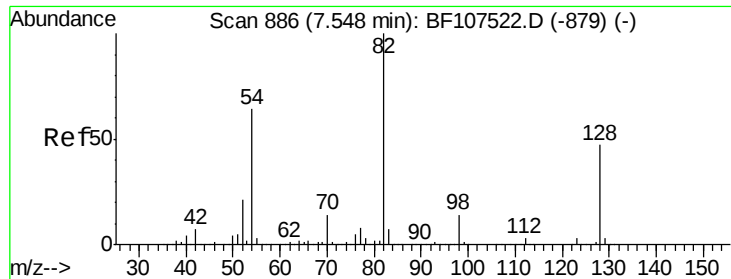
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

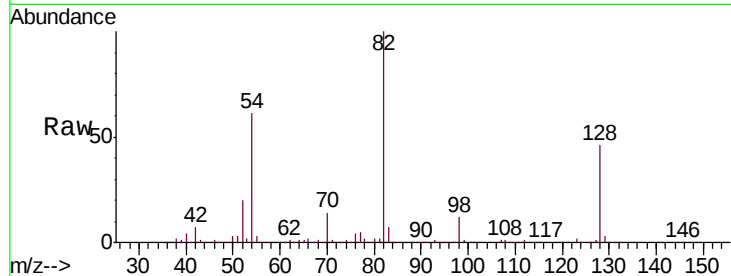




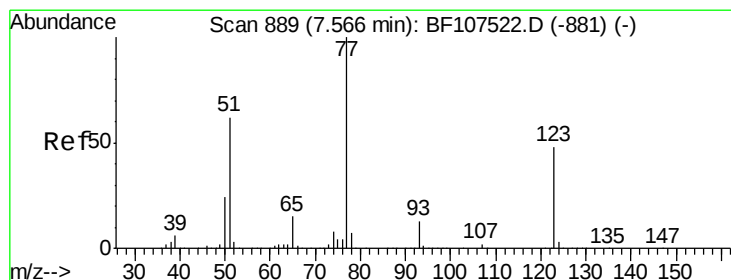
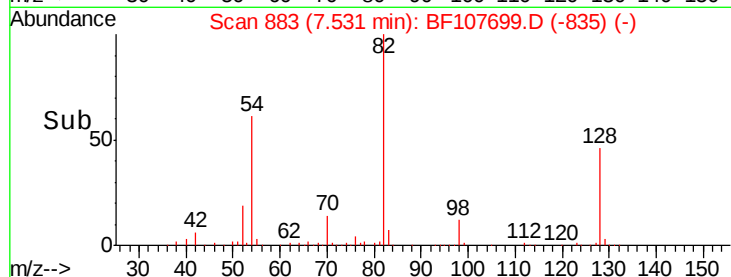
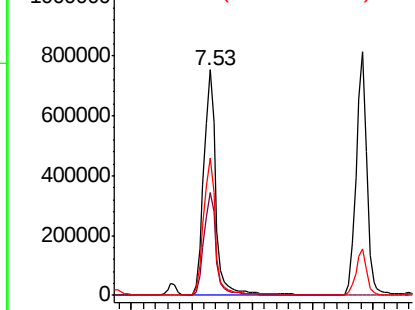
#23  
 Nitrobenzene-d5  
 Concen: 90.467 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

Tgt Ion: 82 Resp: 1066620  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 36.1 54.1  
 54 61.1 41.4 62.2

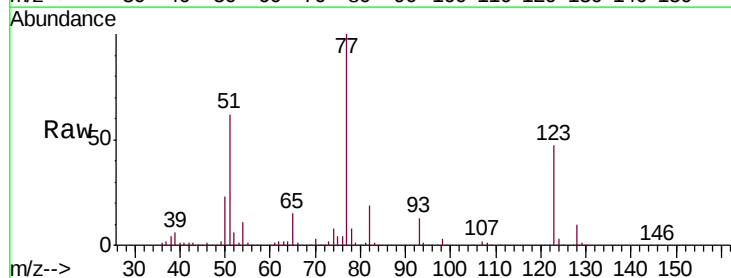


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

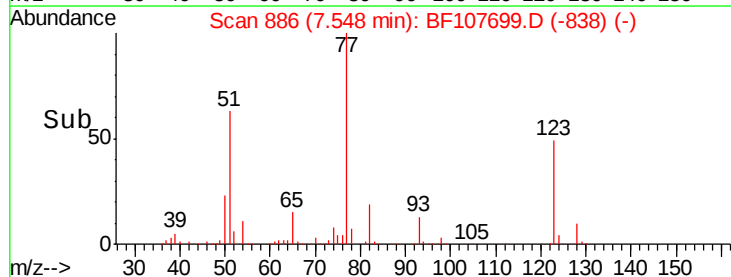
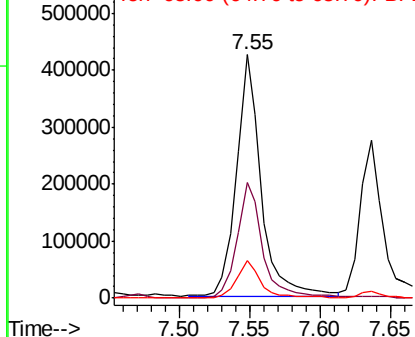


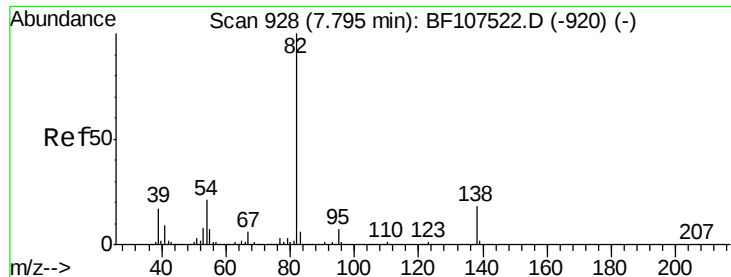
#24  
 Nitrobenzene  
 Concen: 38.653 ng  
 RT: 7.55 min Scan# 886  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion: 77 Resp: 521976  
 Ion Ratio Lower Upper  
 77 100  
 123 47.5 37.9 56.9  
 65 15.3 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

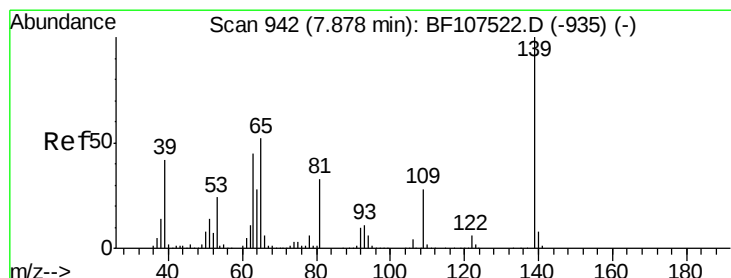
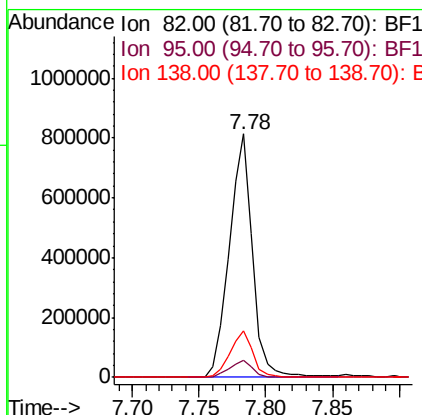
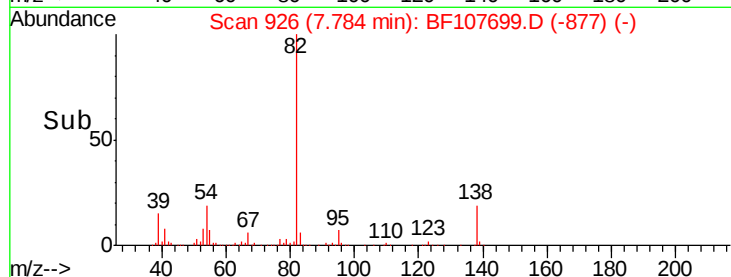
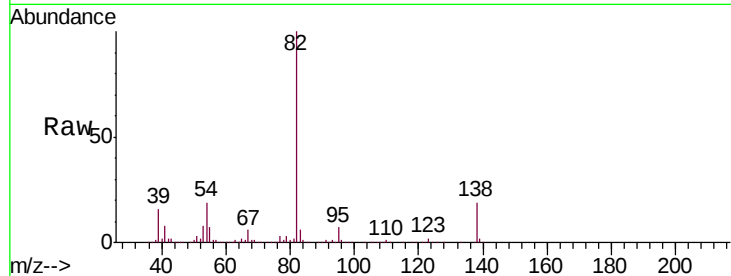




#25  
Isophorone  
Concen: 39.317 ng  
RT: 7.78 min Scan# 926  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

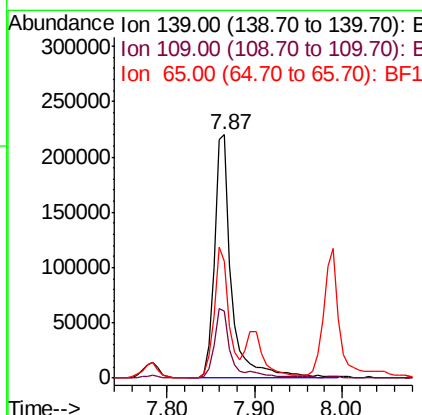
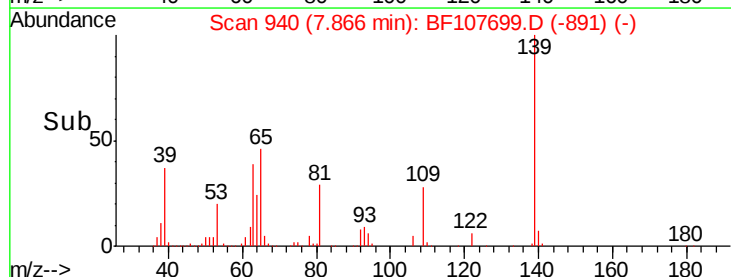
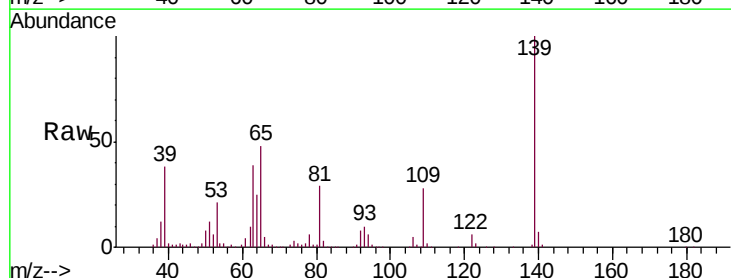
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

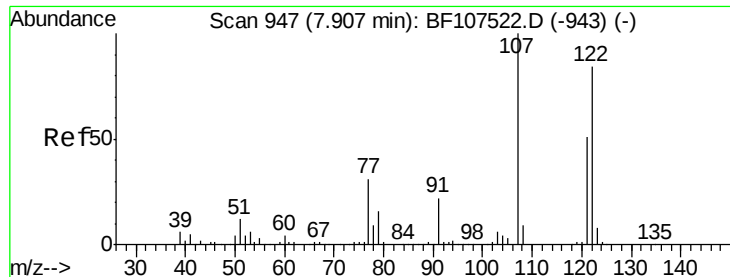
Tgt Ion: 82 Resp: 989760  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.2 7.8  
138 19.1 14.9 22.3



#26  
2-Nitrophenol  
Concen: 52.522 ng  
RT: 7.87 min Scan# 940  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 139 Resp: 299514  
Ion Ratio Lower Upper  
139 100  
109 27.6 22.7 34.1  
65 48.0 40.5 60.7

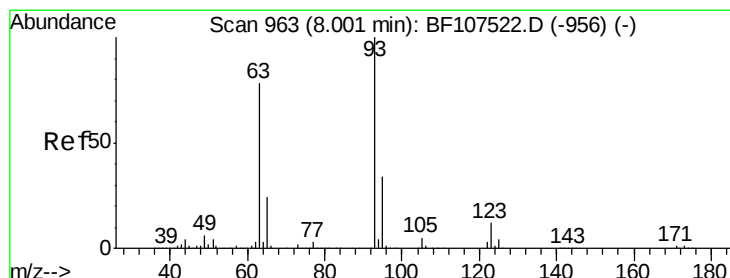
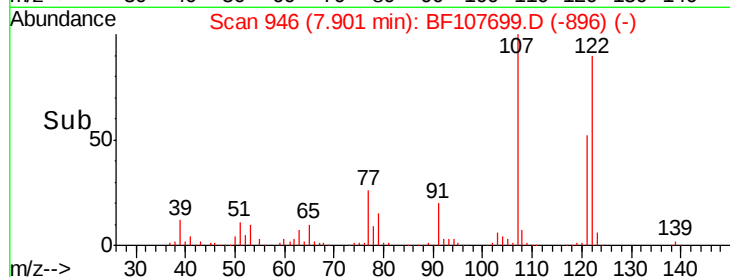
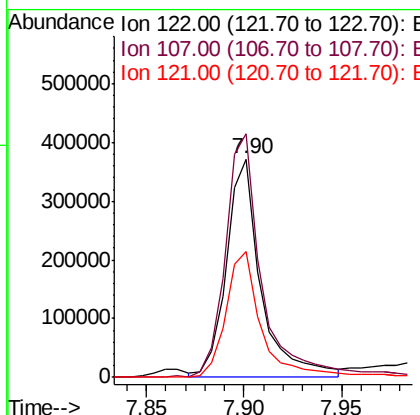
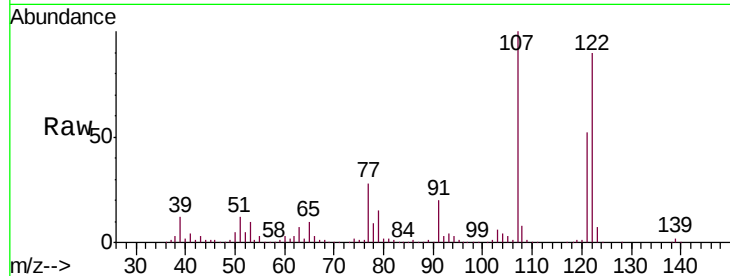




#27  
 2,4-Dimethylphenol  
 Concen: 41.992 ng  
 RT: 7.90 min Scan# 946  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

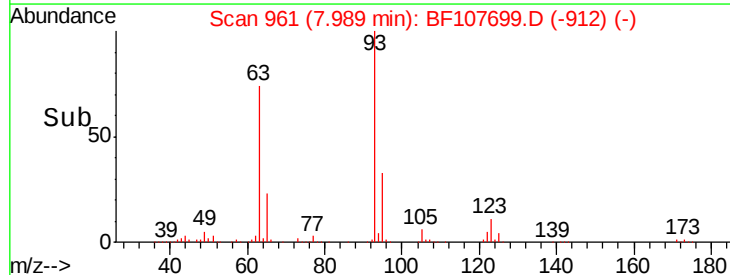
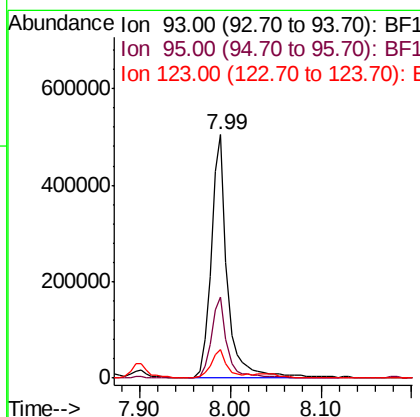
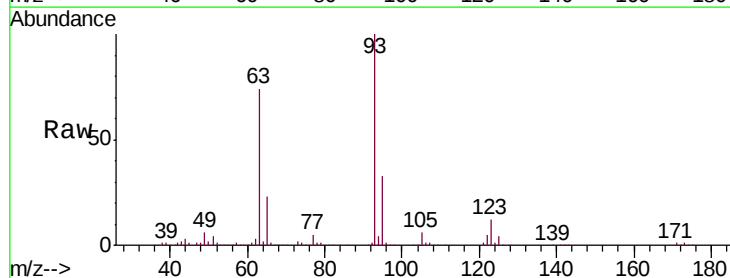
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

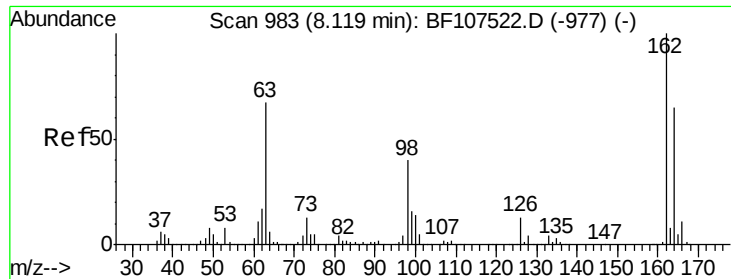
Tgt Ion:122 Resp: 453282  
 Ion Ratio Lower Upper  
 122 100  
 107 111.5 91.2 136.8  
 121 57.6 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 36.967 ng  
 RT: 7.99 min Scan# 961  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion: 93 Resp: 621925  
 Ion Ratio Lower Upper  
 93 100  
 95 33.1 26.3 39.5  
 123 11.7 9.8 14.6

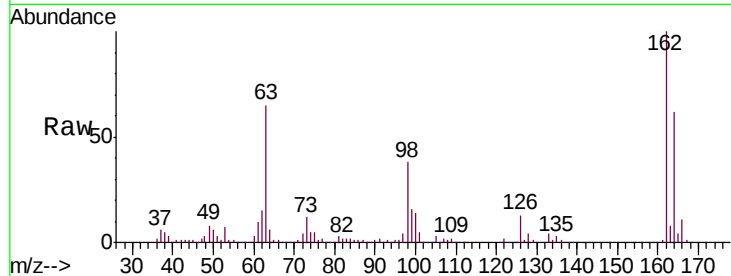




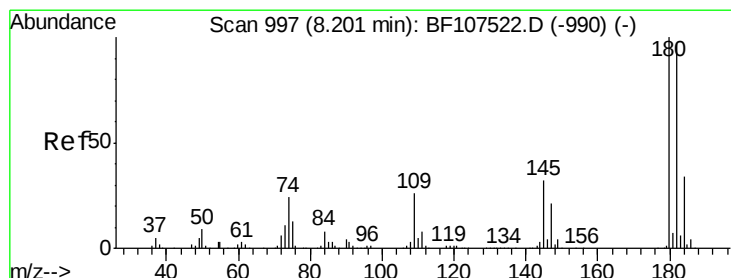
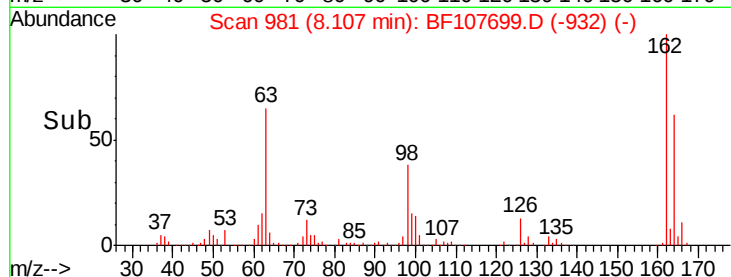
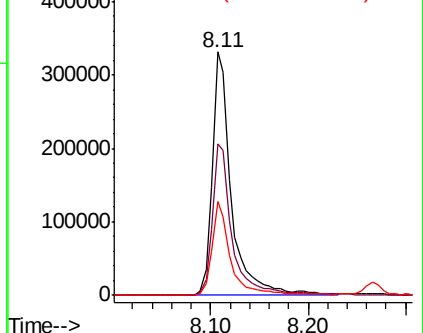
#29  
2,4-Dichlorophenol  
Concen: 40.805 ng  
RT: 8.11 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

Tgt Ion:162 Resp: 450203  
Ion Ratio Lower Upper  
162 100  
164 62.5 42.7 82.7  
98 38.3 18.1 58.1

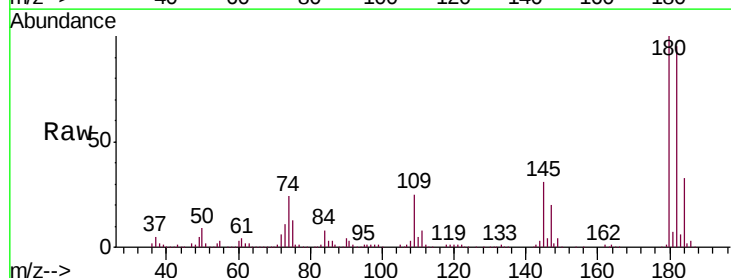


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

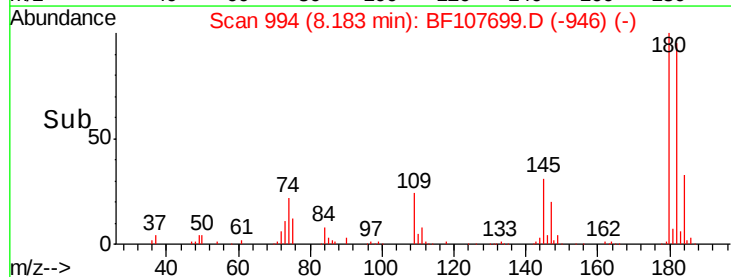
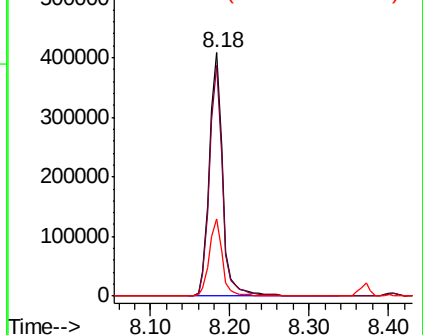


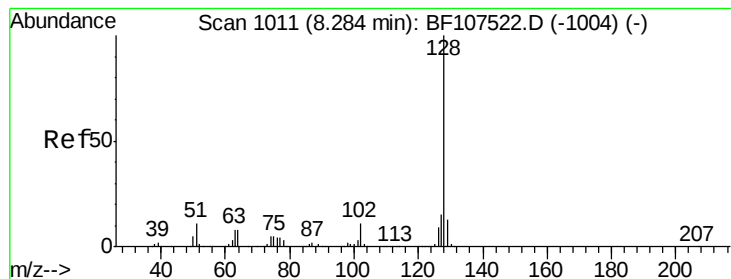
#30  
1,2,4-Trichlorobenzene  
Concen: 38.347 ng  
RT: 8.18 min Scan# 994  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:180 Resp: 475193  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.8 115.2  
145 31.5 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: 42.832 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

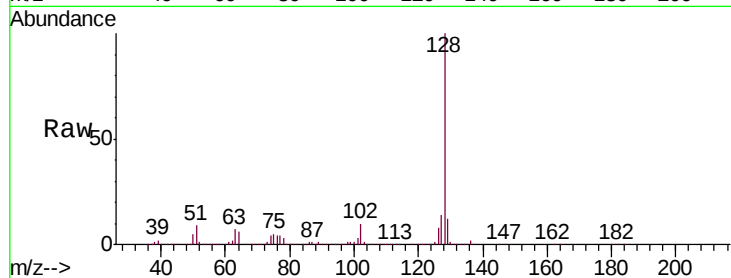
Tgt Ion:128 Resp: 1498672

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

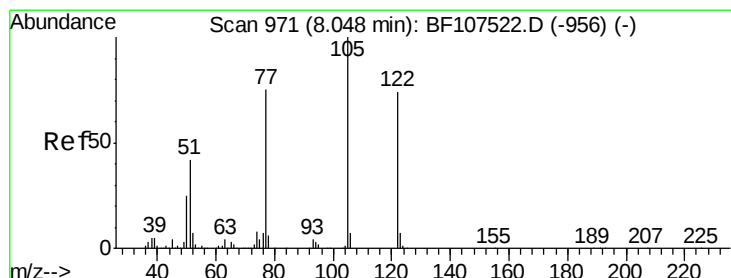
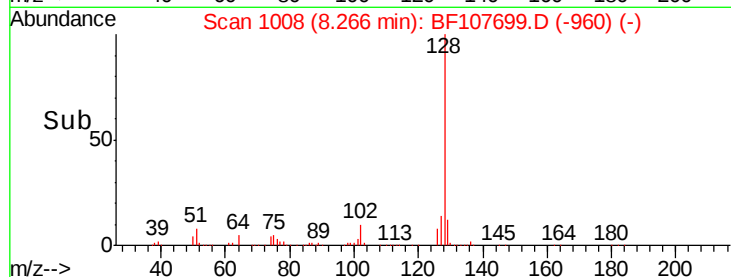
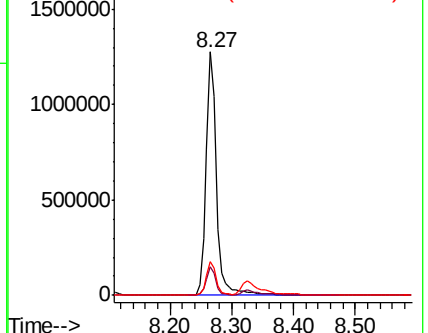
127 13.7 10.9 16.3



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: 43.016 ng

RT: 8.04 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

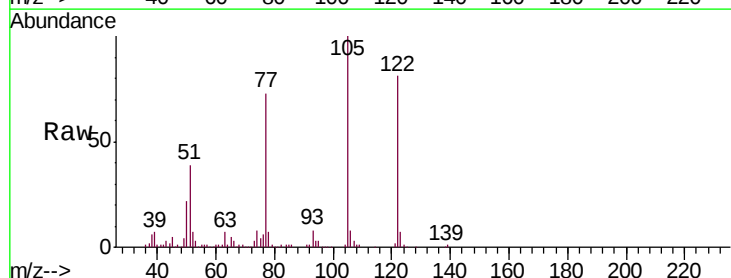
Tgt Ion:122 Resp: 316762

Ion Ratio Lower Upper

122 100

105 124.2 101.1 141.1

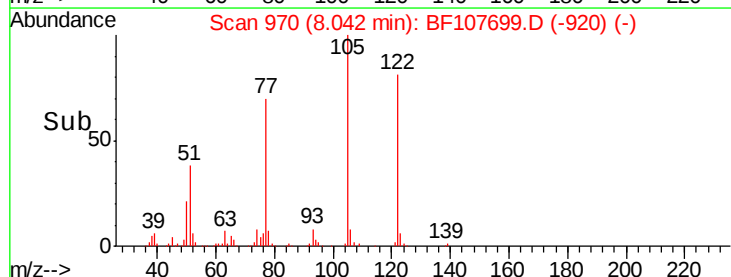
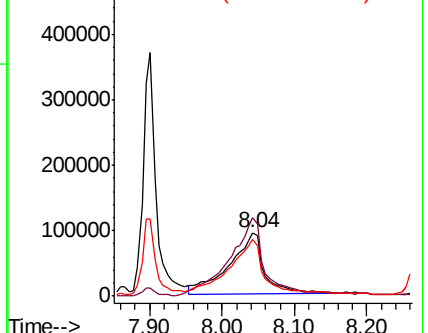
77 90.5 70.7 110.7

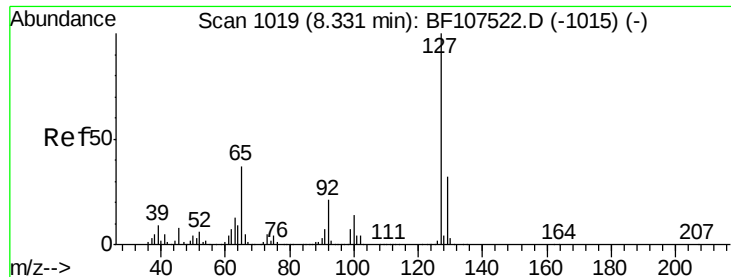


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

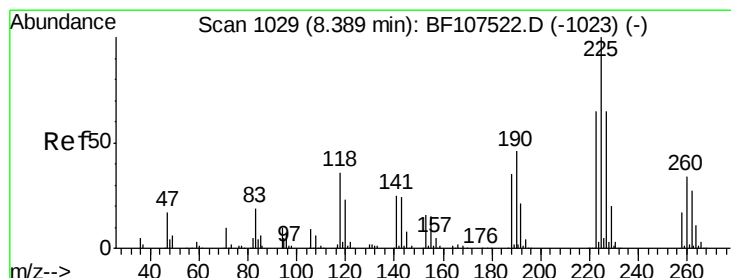
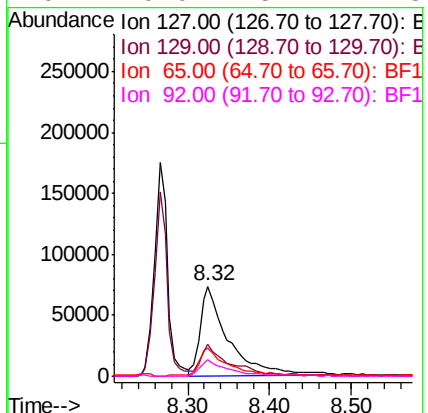
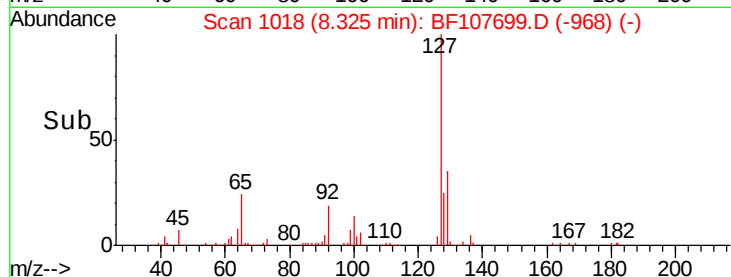
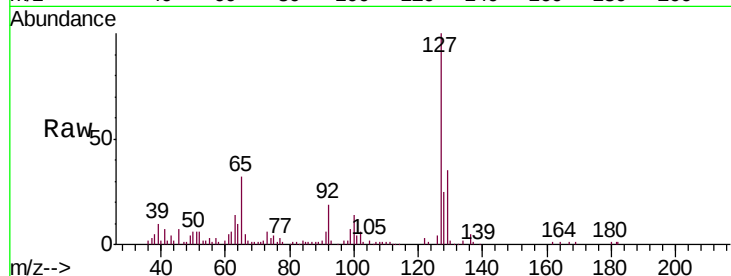




#33  
4-Chloroaniline  
Concen: 11.240 ng  
RT: 8.32 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

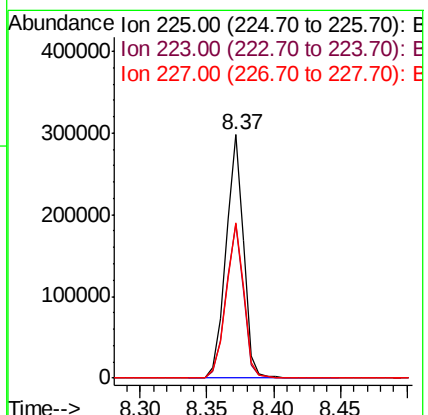
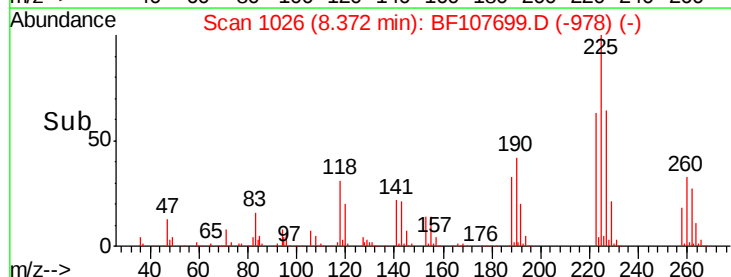
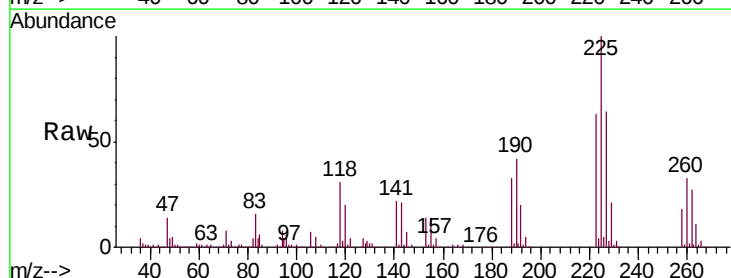
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

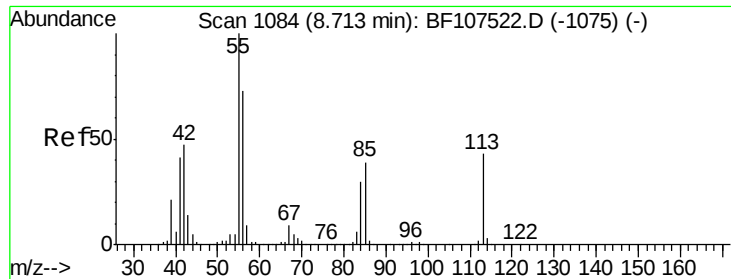
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 171899 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 35.1  | 25.9  | 38.9   |
| 65       | 31.9  | 25.0  | 37.4   |
| 92       | 19.0  | 15.2  | 22.8   |



#34  
Hexachlorobutadiene  
Concen: 37.771 ng  
RT: 8.37 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 278122 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 50.6  | 76.0   |
| 227      | 63.7  | 51.9  | 77.9   |

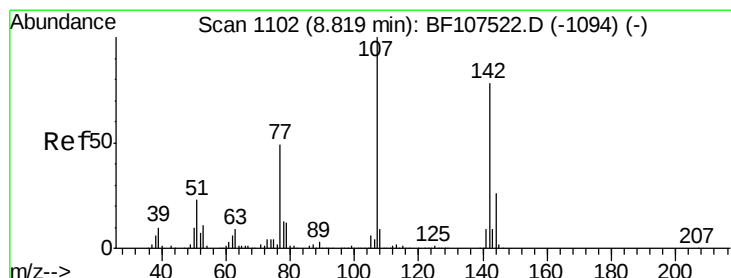
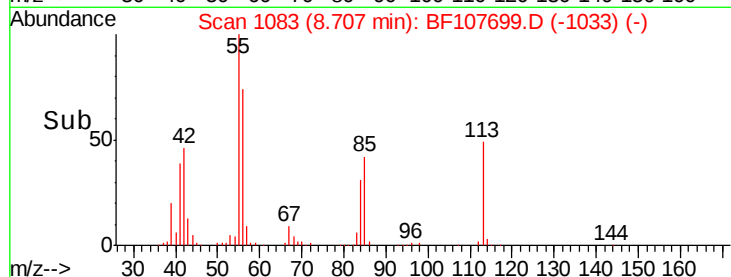
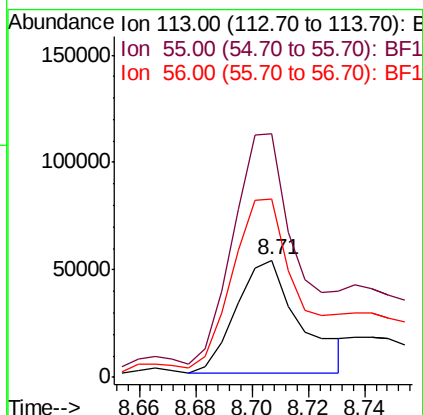
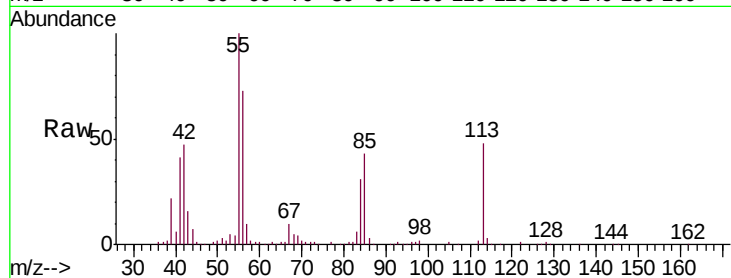




#35  
 Caprolactam  
 Concen: 23.106 ng  
 RT: 8.71 min Scan# 1083  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

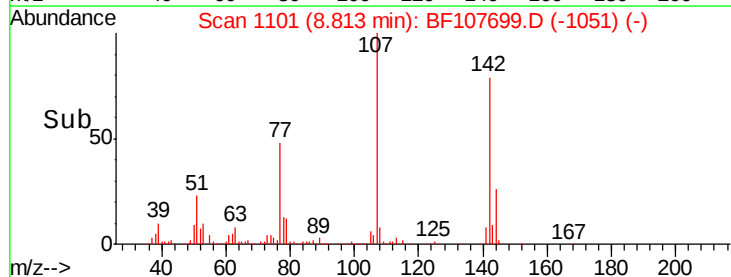
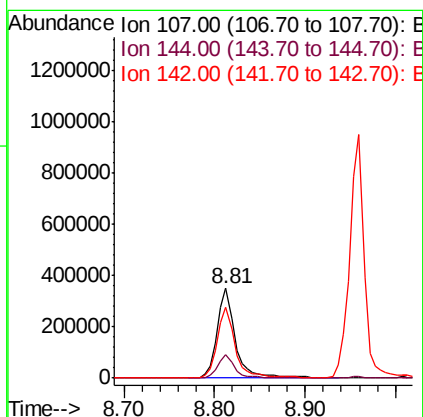
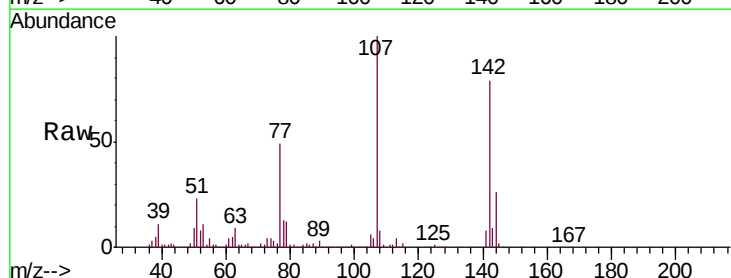
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

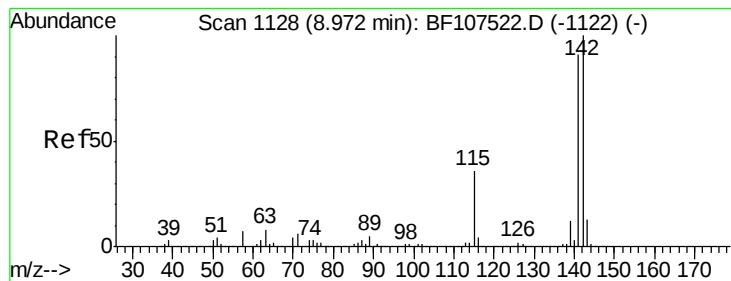
Tgt Ion:113 Resp: 82918  
 Ion Ratio Lower Upper  
 113 100  
 55 208.3 163.3 203.3#  
 56 153.1 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 40.312 ng  
 RT: 8.81 min Scan# 1101  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:107 Resp: 494063  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 20.5 30.7  
 142 78.6 62.0 93.0

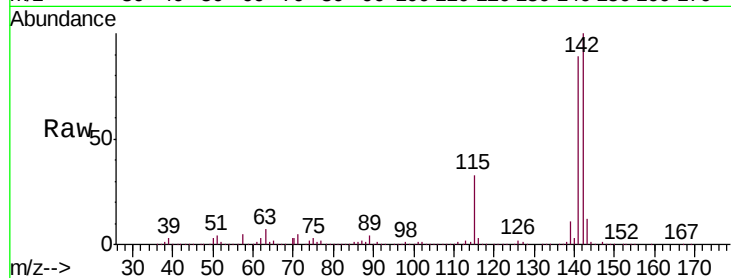




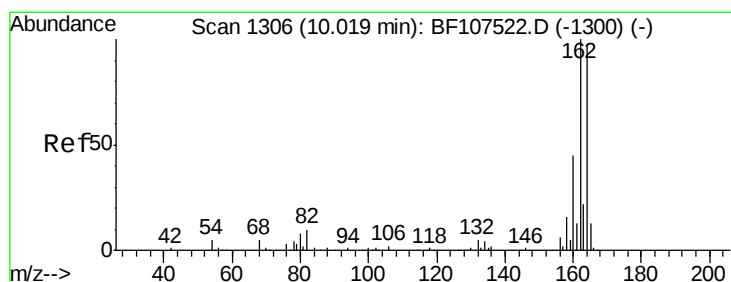
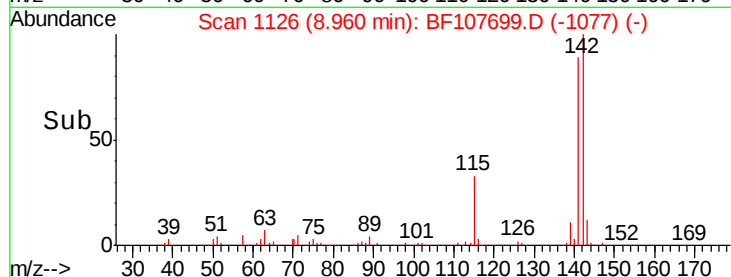
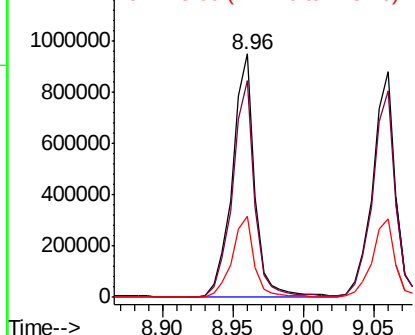
#37  
2-Methylnaphthalene  
Concen: 43.345 ng  
RT: 8.96 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

Tgt Ion:142 Resp: 1050957  
Ion Ratio Lower Upper  
142 100  
141 89.0 70.8 106.2  
115 33.3 26.1 39.1

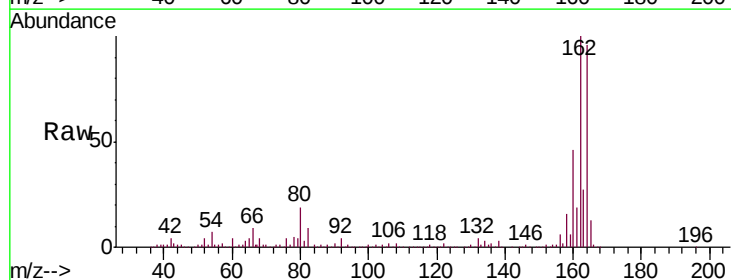


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

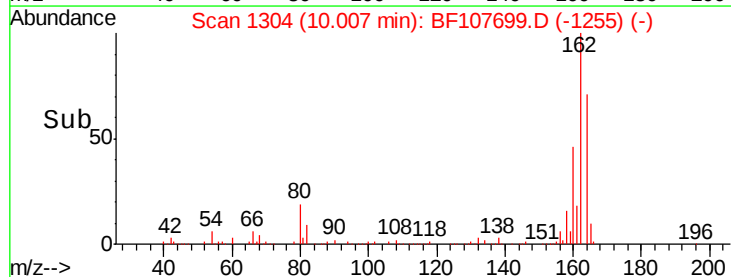
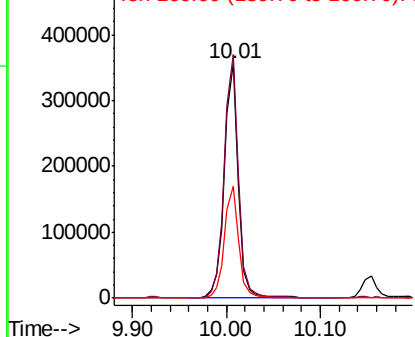


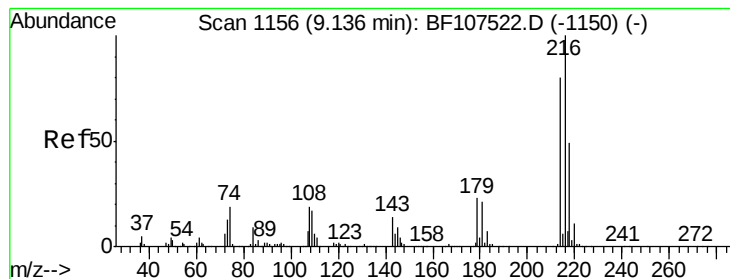
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:164 Resp: 372120  
Ion Ratio Lower Upper  
164 100  
162 103.8 86.1 129.1  
160 47.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.479 ng

RT: 9.12 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

Tgt Ion:216 Resp: 489999

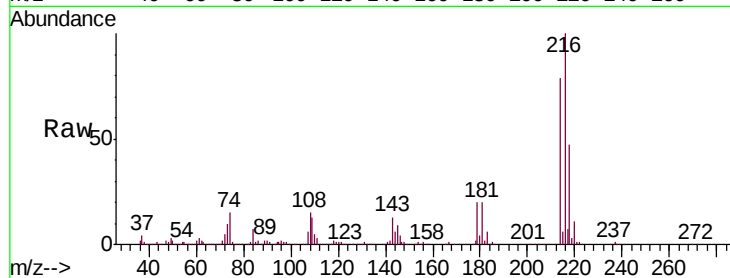
Ion Ratio Lower Upper

216 100

214 79.8 63.0 94.4

179 21.3 18.1 27.1

108 19.5 17.2 25.8

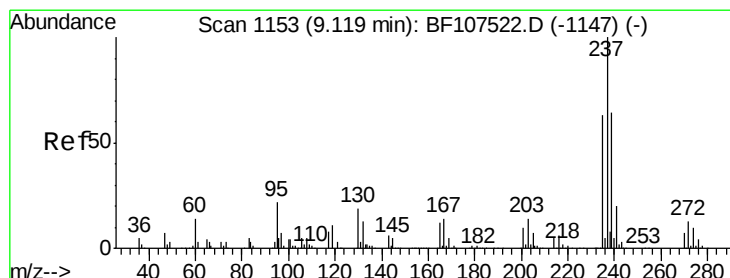
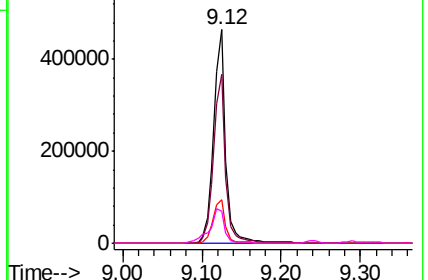
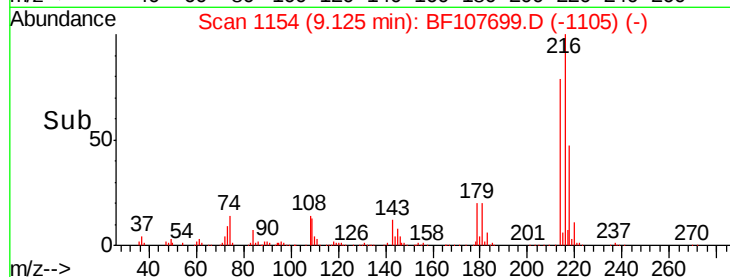


Abundance Ion 216.00 (215.70 to 216.70): E

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: 85.935 ng

RT: 9.10 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

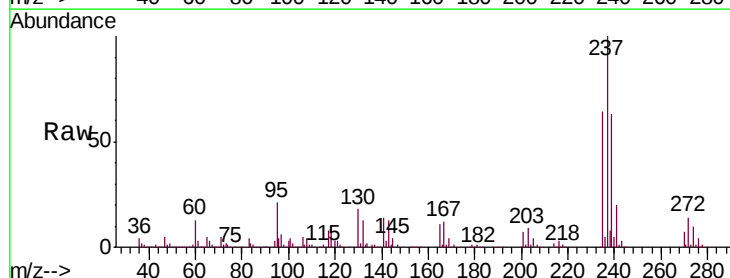
Tgt Ion:237 Resp: 542198

Ion Ratio Lower Upper

237 100

235 64.1 44.8 84.8

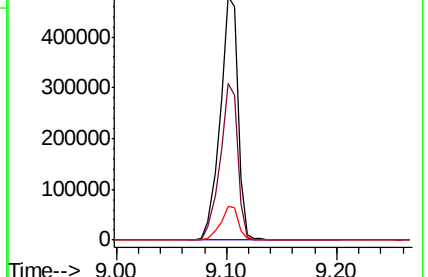
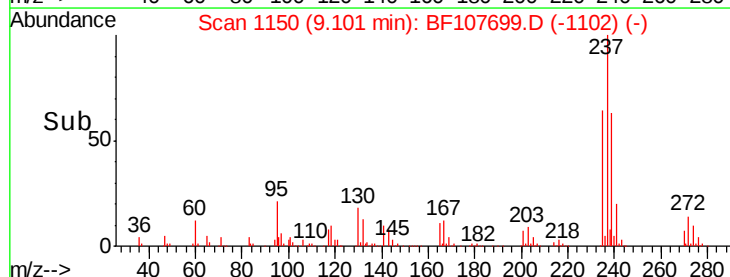
272 13.7 0.0 33.3

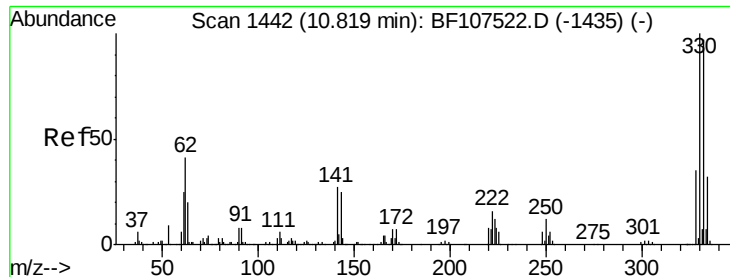


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

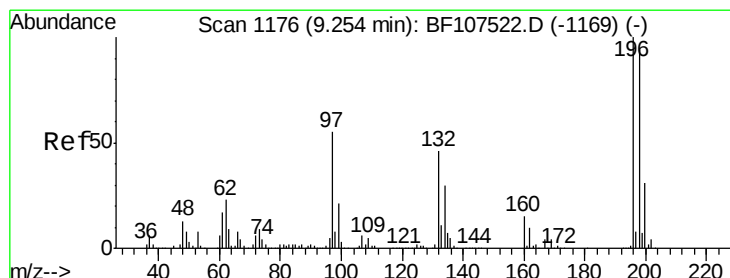
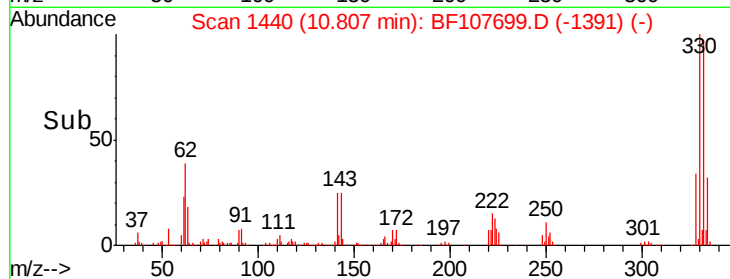
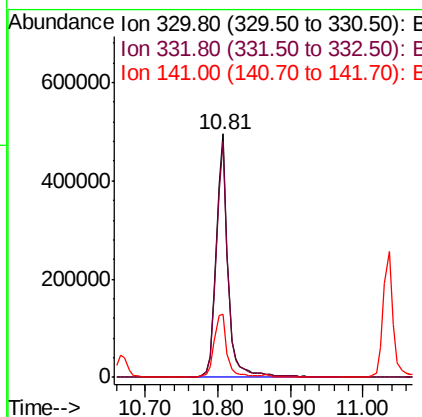
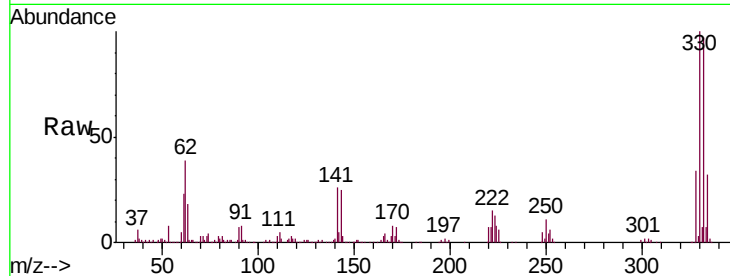




#41  
 2,4,6-Tribromophenol  
 Concen: 134.182 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

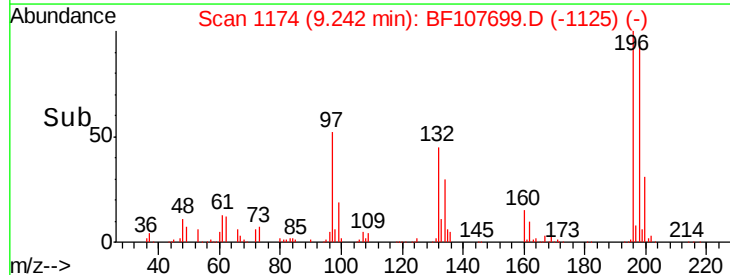
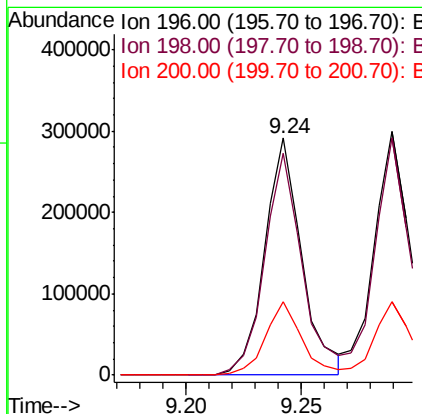
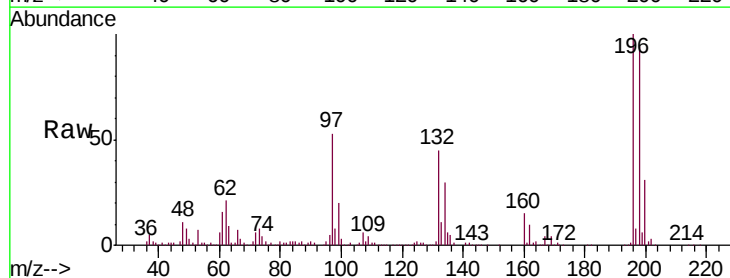
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

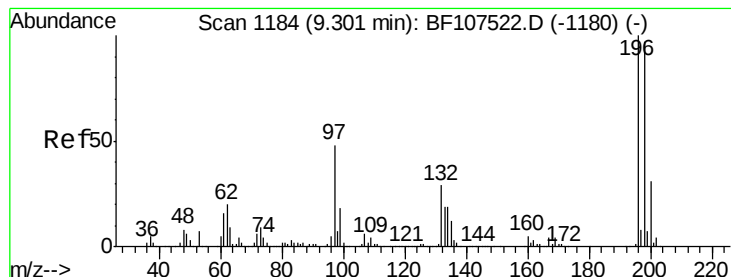
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 27.7  | 29.9  | 44.9  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 40.985 ng  
 RT: 9.24 min Scan# 1174  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.8  | 75.7  | 113.5 |
| 200     | 30.7  | 24.5  | 36.7  |





#43

2,4,5-Trichlorophenol

Concen: 43.583 ng

RT: 9.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

Tgt Ion:196 Resp: 361882

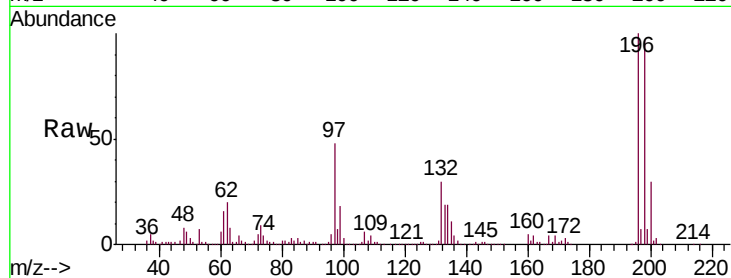
Ion Ratio Lower Upper

196 100

198 97.2 74.6 112.0

97 47.6 42.9 64.3

132 30.2 26.3 39.5

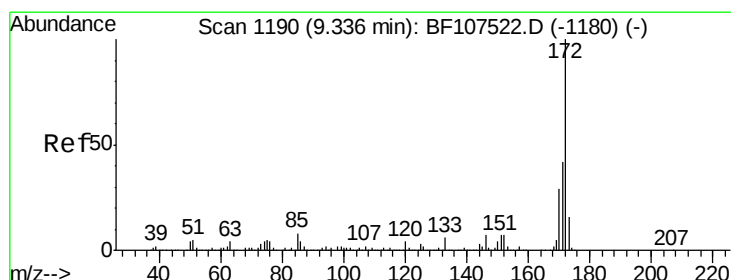
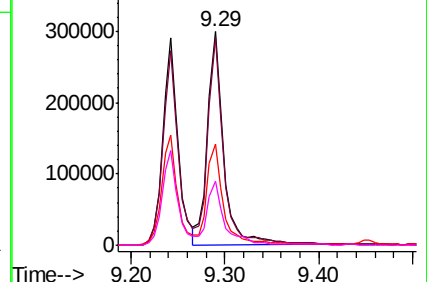
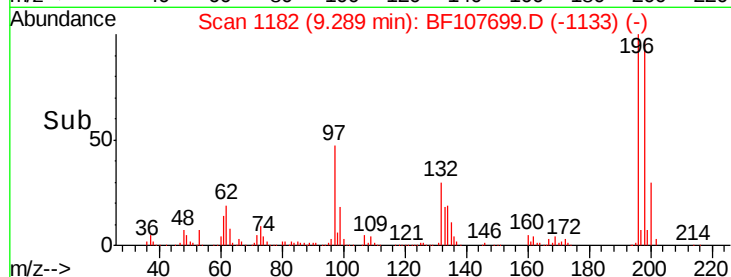


Abundance Ion 196.00 (195.70 to 196.70): E

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: 99.655 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

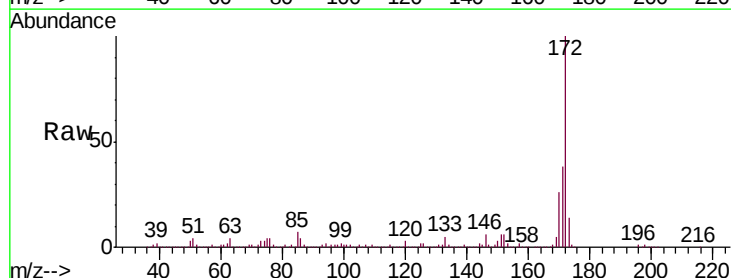
Tgt Ion:172 Resp: 2066752

Ion Ratio Lower Upper

172 100

171 38.1 29.7 44.5

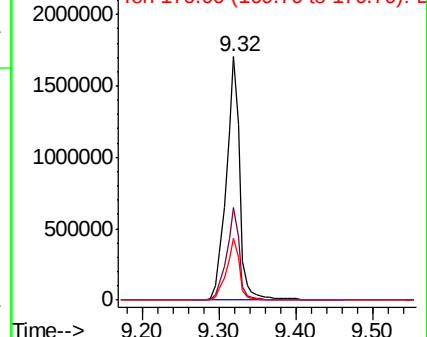
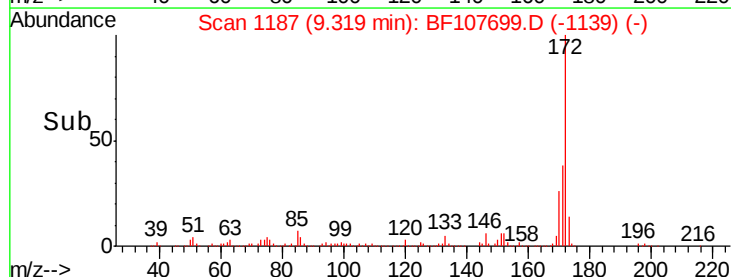
170 25.6 19.6 29.4

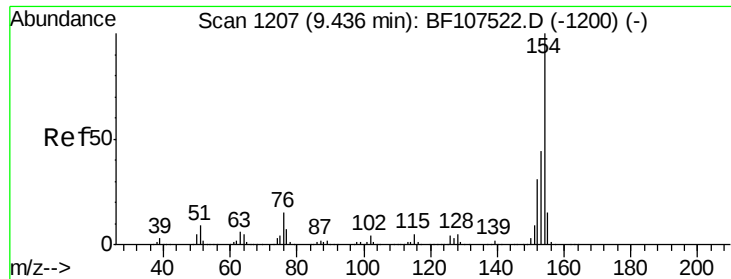


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

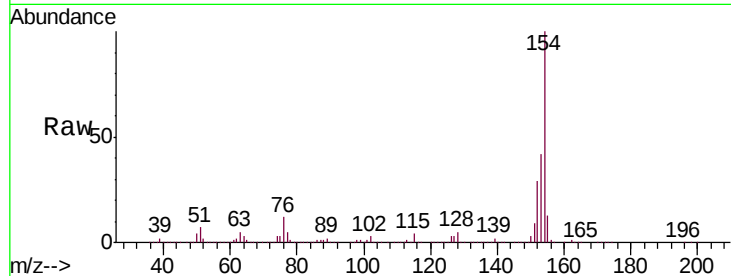




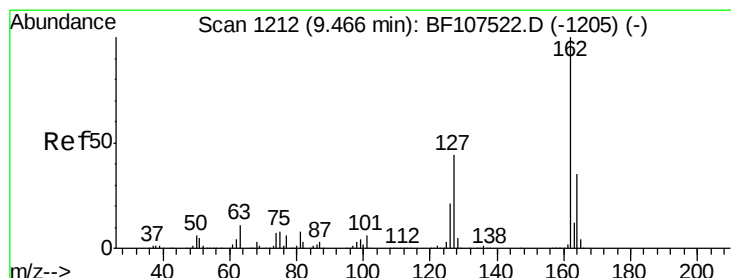
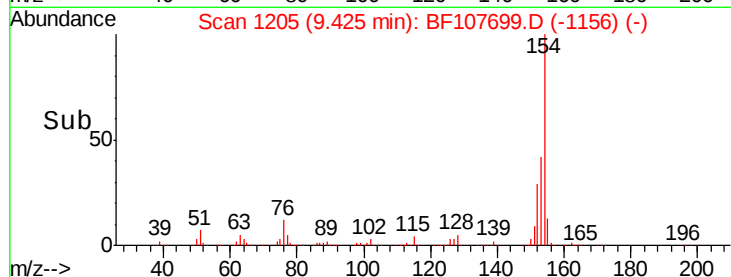
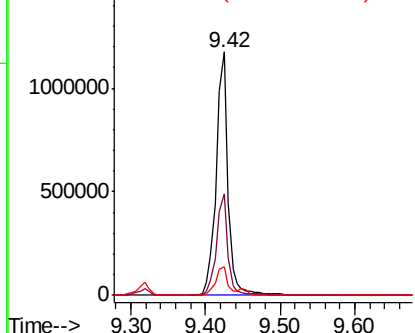
#45  
 1,1'-Biphenyl  
 Concen: 39.884 ng  
 RT: 9.42 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

Tgt Ion:154 Resp: 1292872  
 Ion Ratio Lower Upper  
 154 100  
 153 41.7 21.3 61.3  
 76 11.7 0.0 34.0

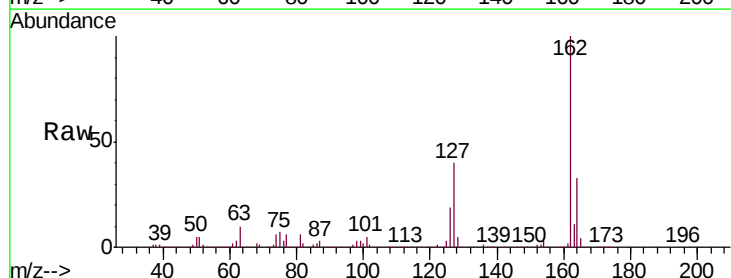


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

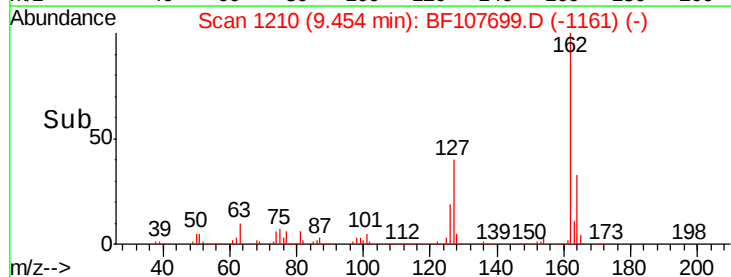
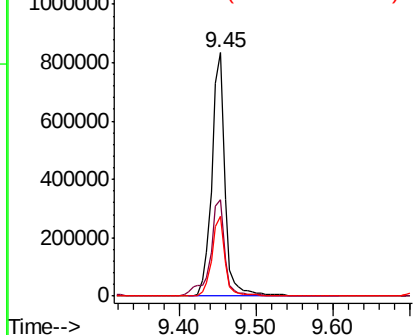


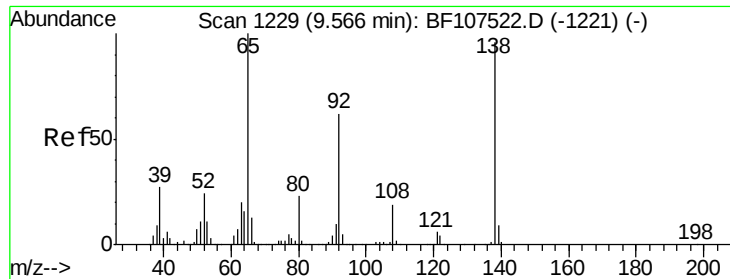
#46  
 2-Chloronaphthalene  
 Concen: 39.226 ng  
 RT: 9.45 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:162 Resp: 971938  
 Ion Ratio Lower Upper  
 162 100  
 127 39.7 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

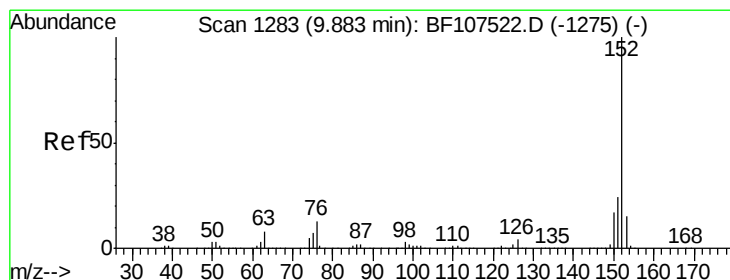
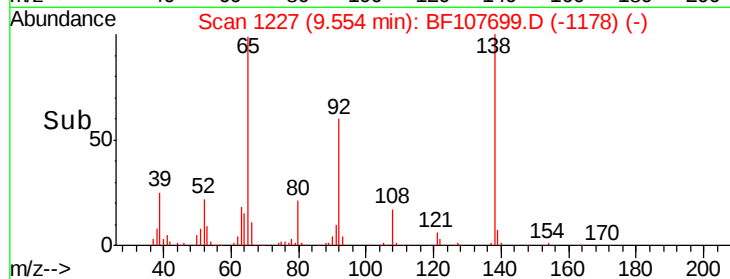
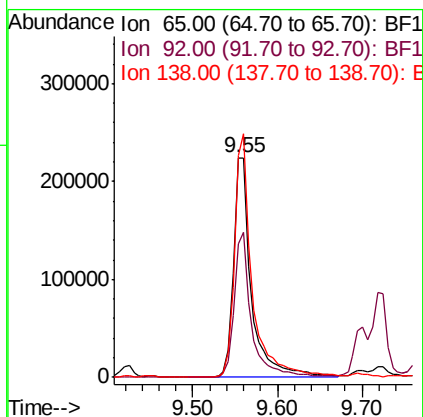
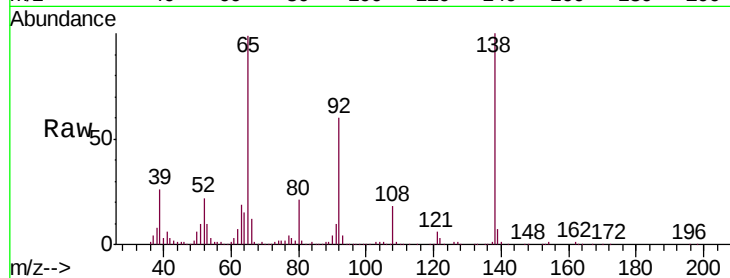




#47  
2-Nitroaniline  
Concen: 44.925 ng  
RT: 9.55 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

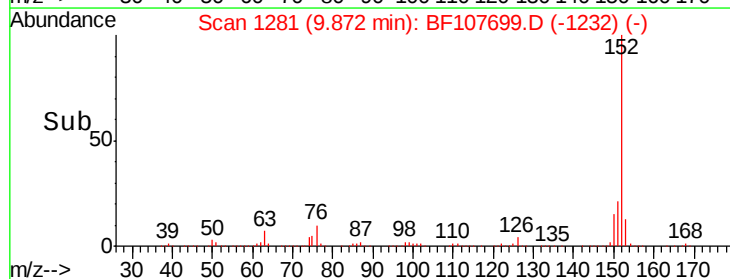
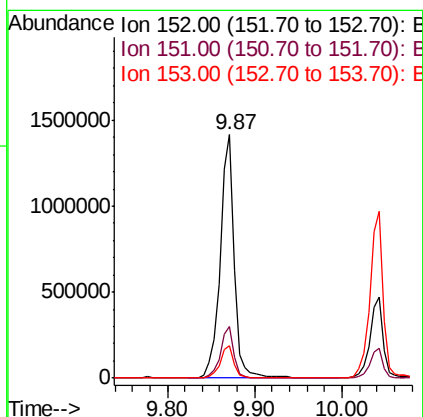
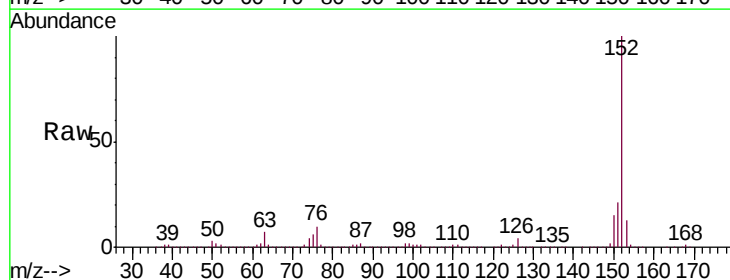
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

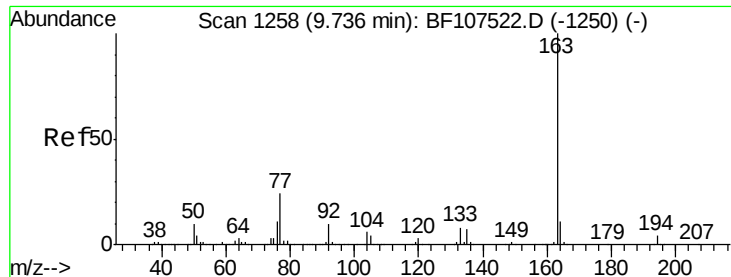
Tgt Ion: 65 Resp: 324518  
Ion Ratio Lower Upper  
65 100  
92 60.9 55.8 83.6  
138 100.9 91.2 136.8



#48  
Acenaphthylene  
Concen: 42.346 ng  
RT: 9.87 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 152 Resp: 1576177  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.3 24.5  
153 13.5 10.7 16.1

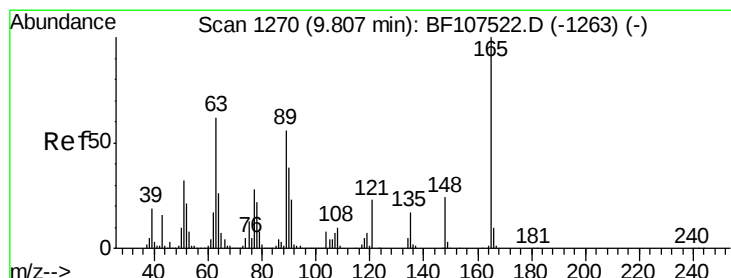
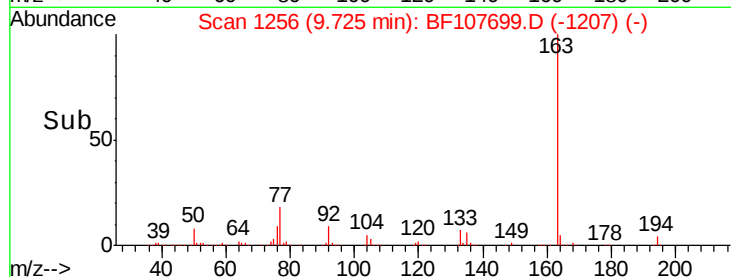
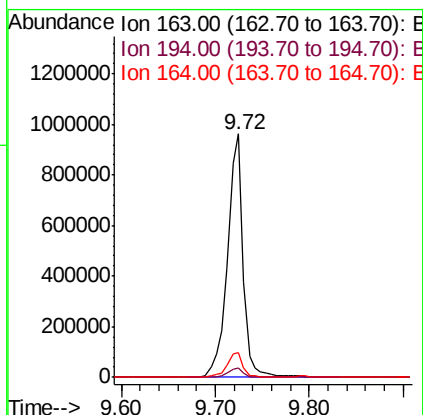
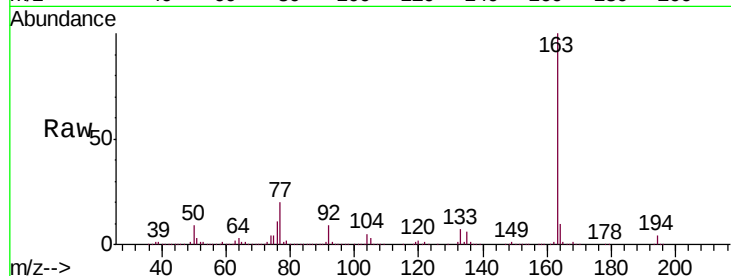




#49  
Dimethylphthalate  
Concen: 39.809 ng  
RT: 9.72 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

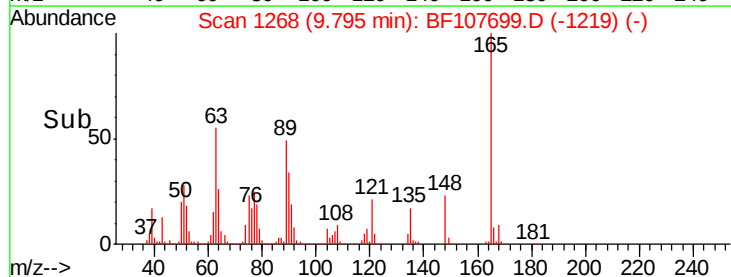
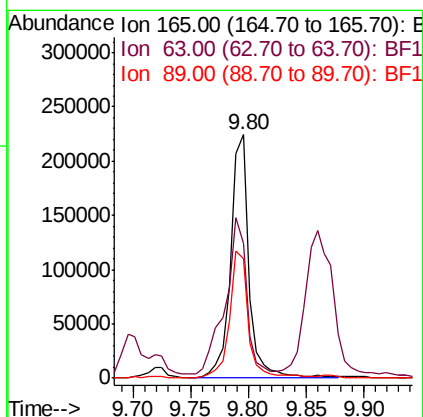
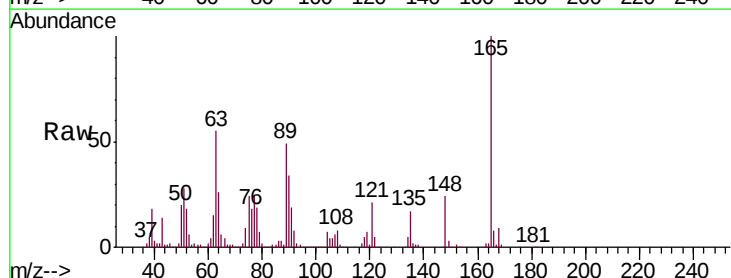
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

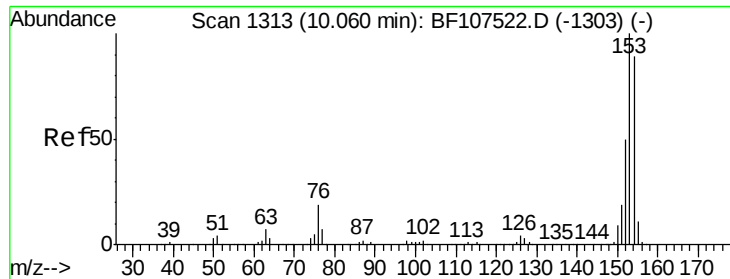
Tgt Ion:163 Resp: 1116465  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.3 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 44.137 ng  
RT: 9.80 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:165 Resp: 245764  
Ion Ratio Lower Upper  
165 100  
63 55.3 44.7 67.1  
89 49.1 44.0 66.0

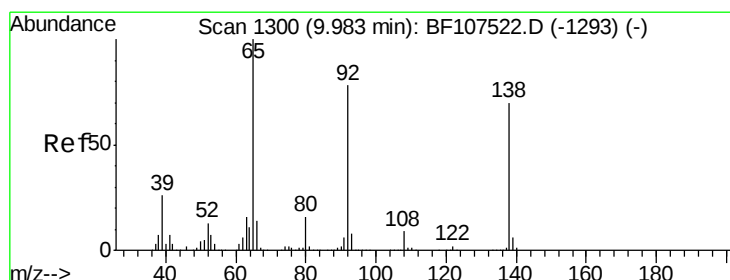
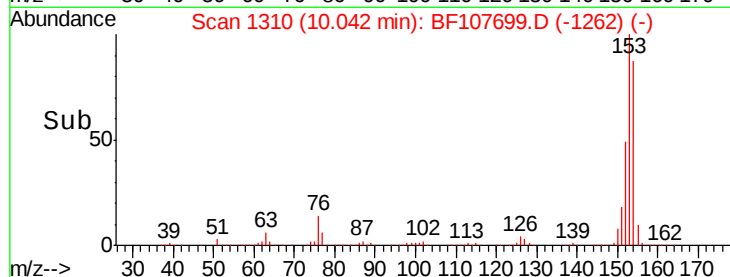
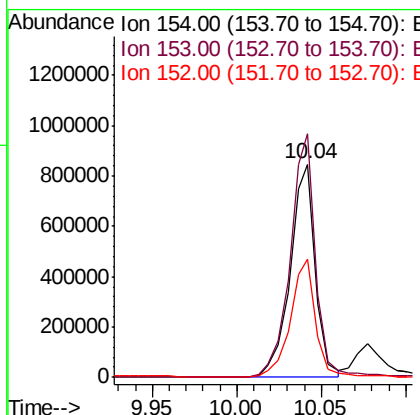
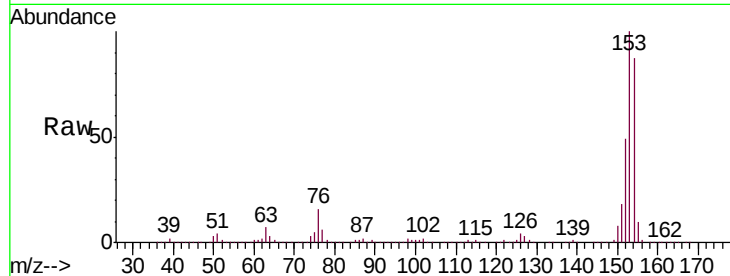




#51  
Acenaphthene  
Concen: 37.744 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

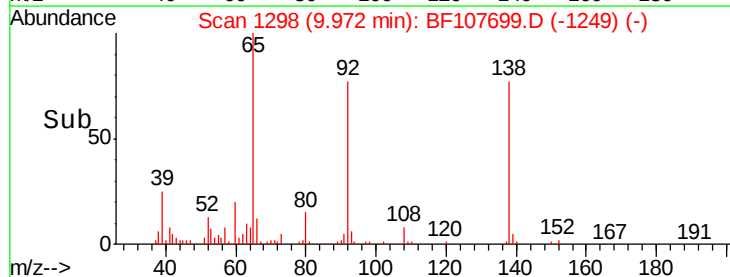
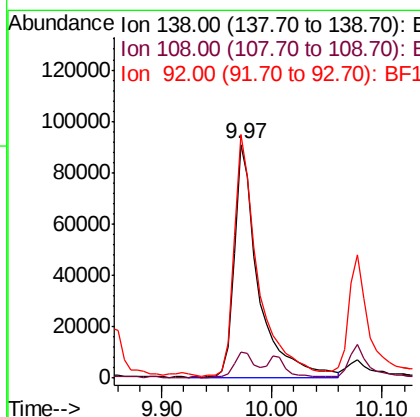
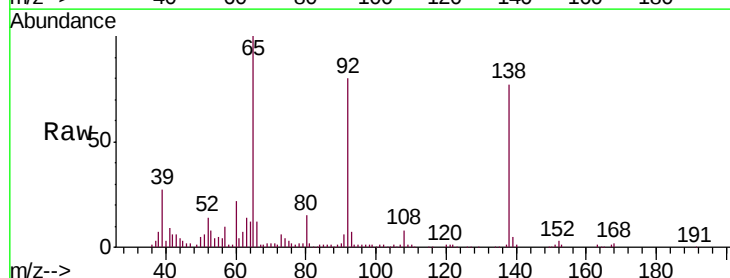
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

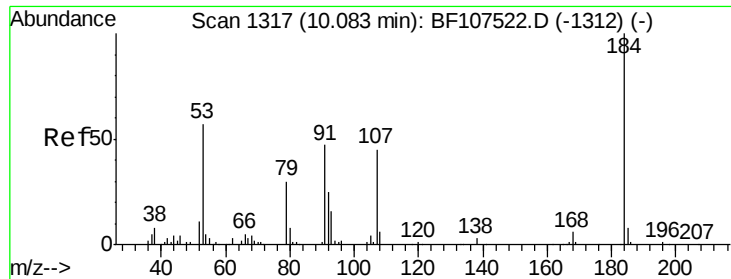
Tgt Ion:154 Resp: 880233  
Ion Ratio Lower Upper  
154 100  
153 114.3 91.2 136.8  
152 55.7 43.8 65.8



#52  
3-Nitroaniline  
Concen: 20.422 ng  
RT: 9.97 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:138 Resp: 138335  
Ion Ratio Lower Upper  
138 100  
108 11.0 9.4 14.0  
92 104.2 89.4 134.2

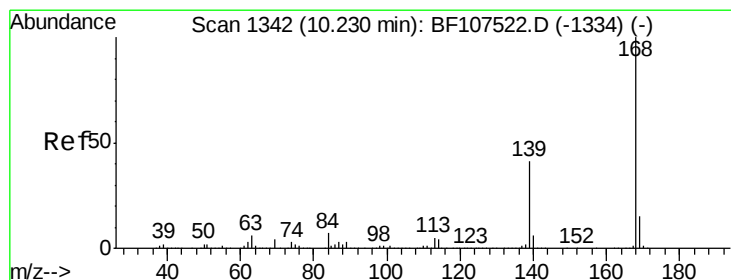
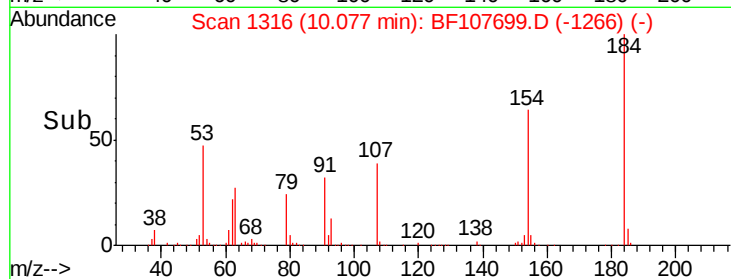
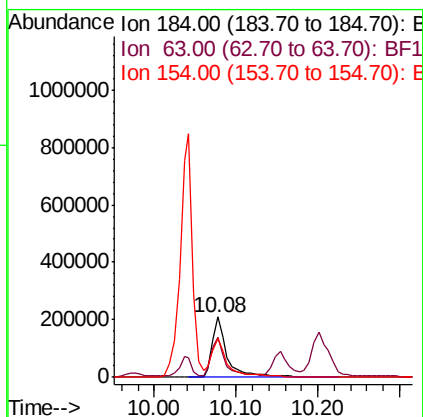
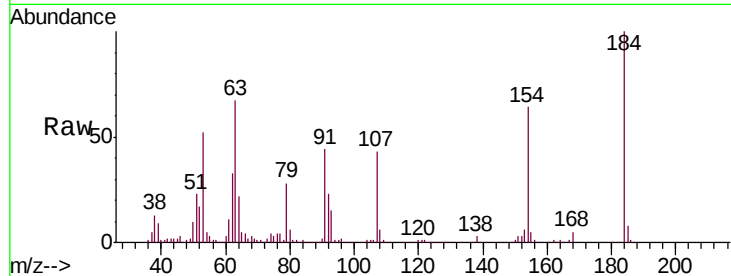




#53  
2,4-Dinitrophenol  
Concen: 94.799 ng  
RT: 10.08 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

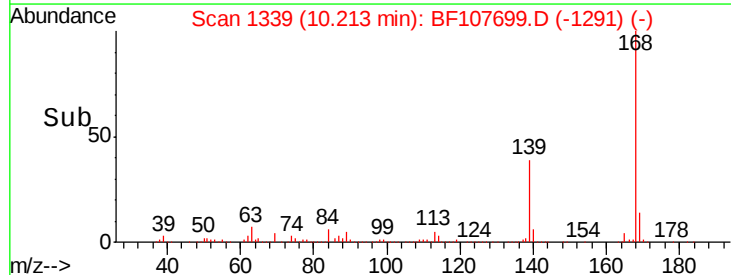
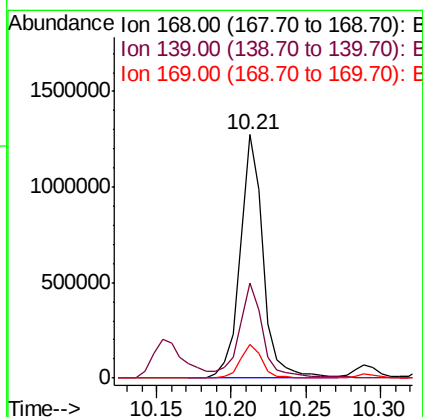
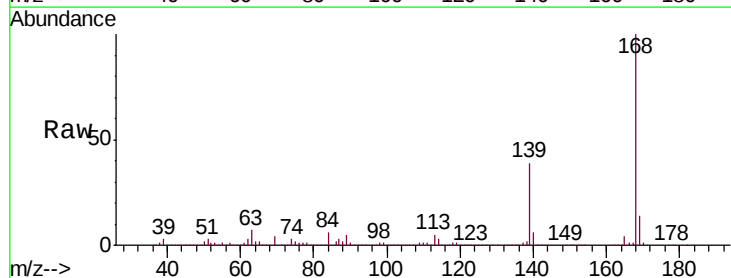
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

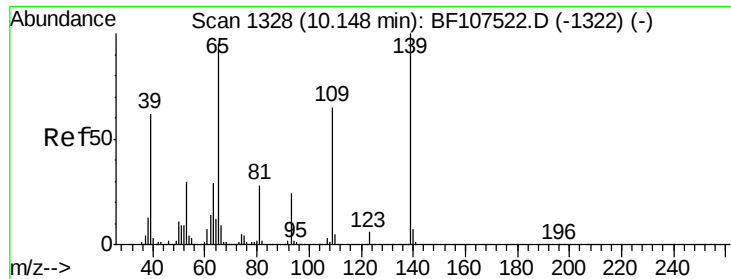
Tgt Ion:184 Resp: 272148  
Ion Ratio Lower Upper  
184 100  
63 66.5 54.2 81.2  
154 64.2 184.0 276.0#



#54  
Dibenzofuran  
Concen: 39.611 ng  
RT: 10.21 min Scan# 1339  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:168 Resp: 1359967  
Ion Ratio Lower Upper  
168 100  
139 39.2 30.1 45.1  
169 13.9 10.9 16.3

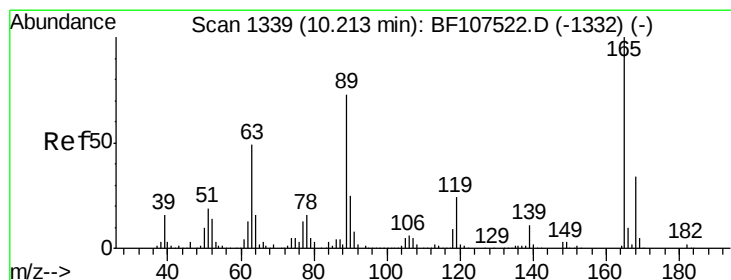
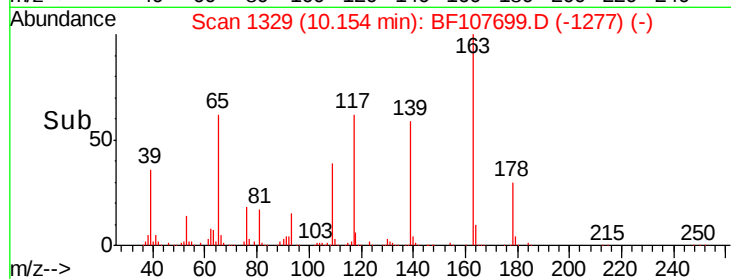
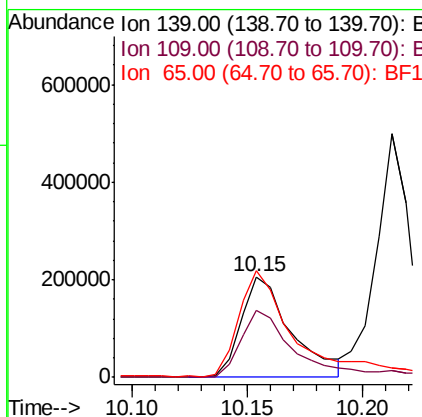
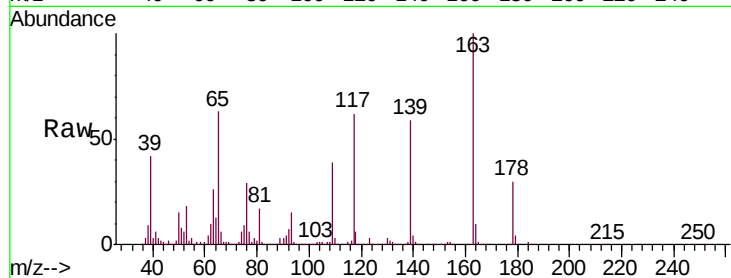




#55  
4-Nitrophenol  
Concen: 61.206 ng  
RT: 10.15 min Scan# 1329  
Delta R.T. 0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

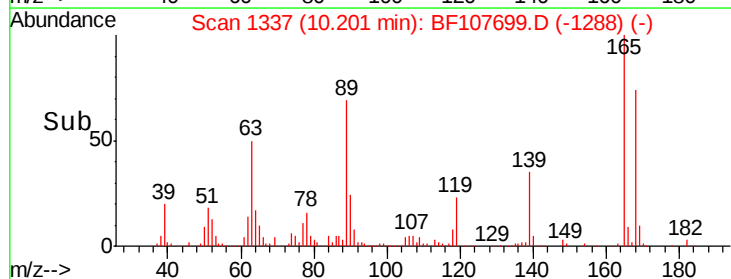
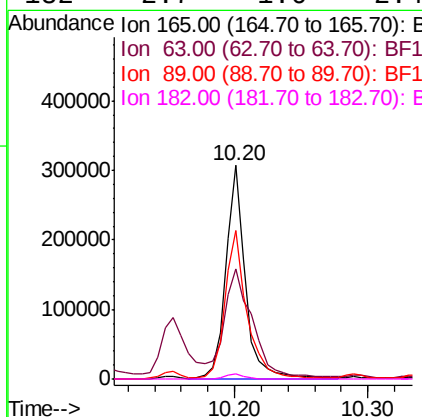
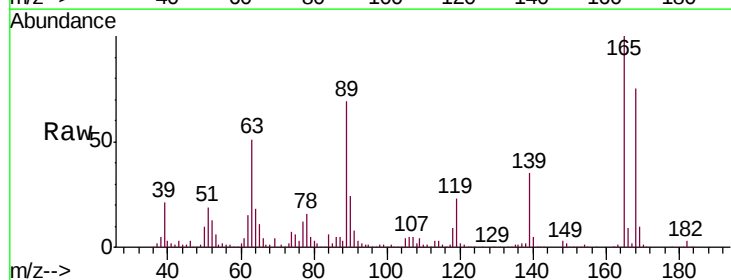
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

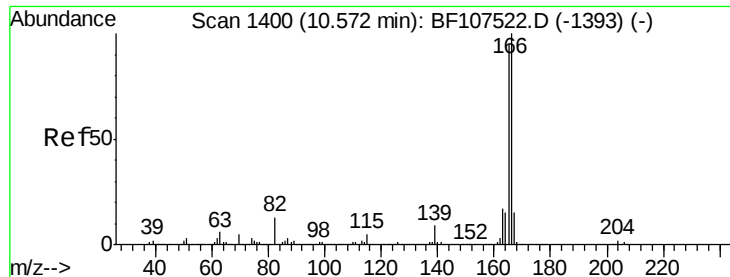
Tgt Ion:139 Resp: 310418  
Ion Ratio Lower Upper  
139 100  
109 67.0 48.4 88.4  
65 106.3 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 46.521 ng  
RT: 10.20 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:165 Resp: 312683  
Ion Ratio Lower Upper  
165 100  
63 51.3 36.4 54.6  
89 69.5 57.8 86.6  
182 2.7 1.6 2.4#





#57

Fluorene

Concen: 44.244 ng

RT: 10.56 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

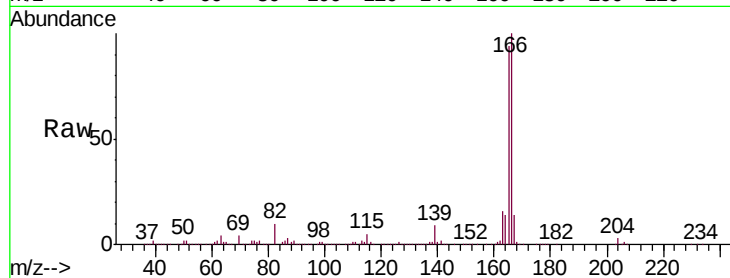
Tgt Ion:166 Resp: 1083722

Ion Ratio Lower Upper

166 100

165 94.1 79.8 119.8

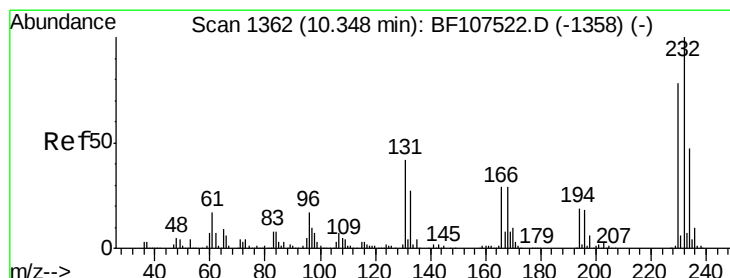
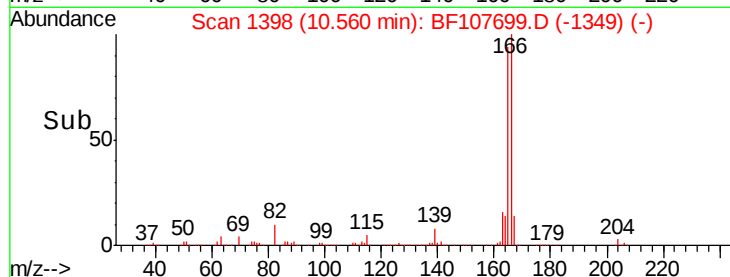
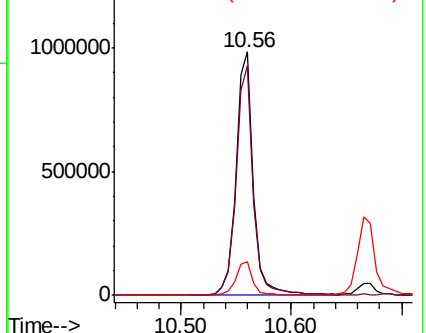
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.135 ng

RT: 10.34 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Tgt Ion:232 Resp: 325723

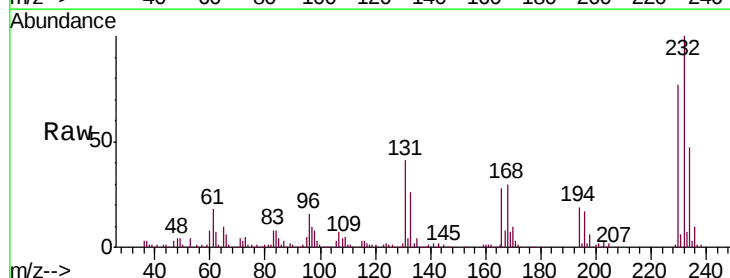
Ion Ratio Lower Upper

232 100

131 41.0 43.8 65.8#

130 1.8 2.1 3.1#

166 27.9 27.8 41.6

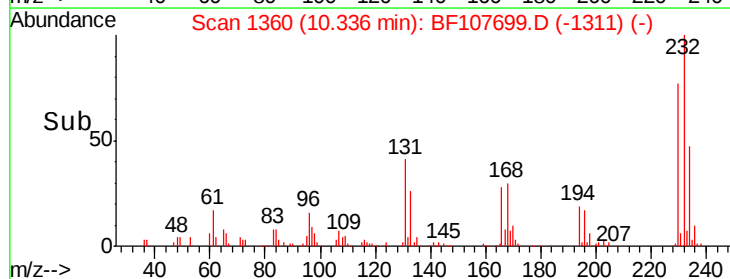
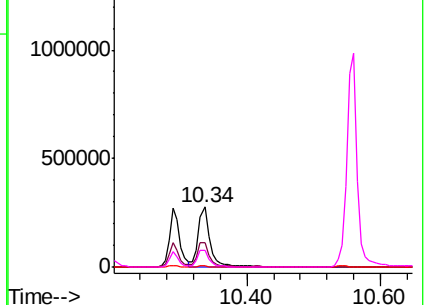


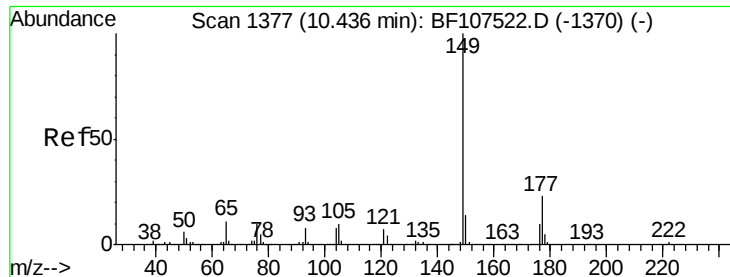
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

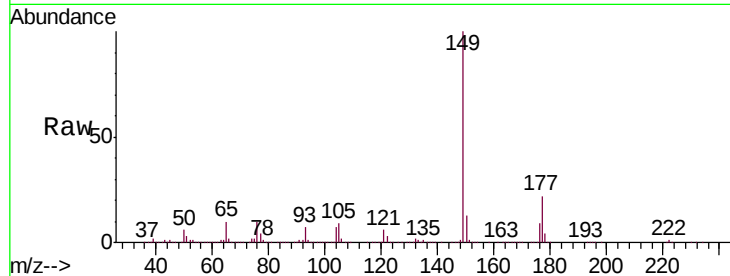




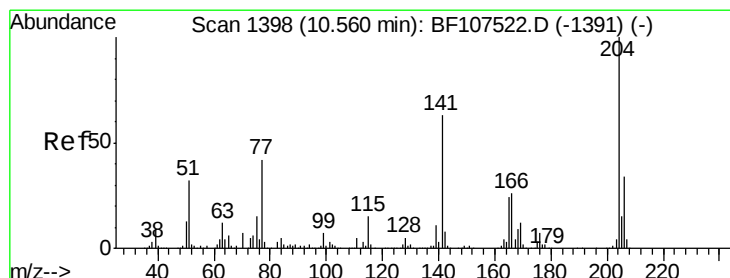
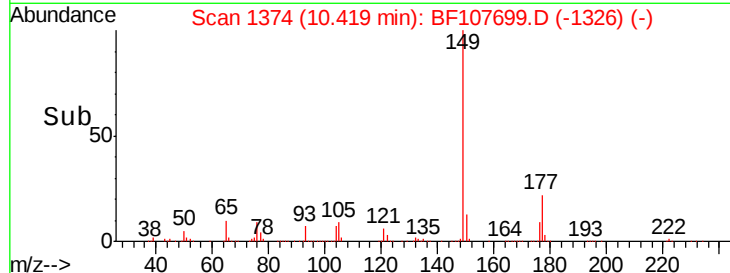
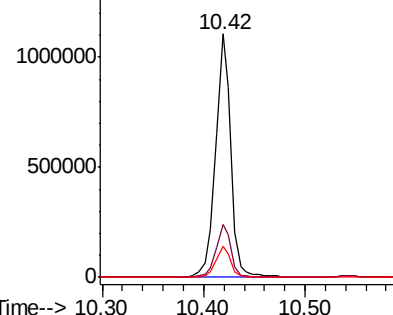
#59  
Diethylphthalate  
Concen: 39.686 ng  
RT: 10.42 min Scan# 1374  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

Tgt Ion:149 Resp: 1162396  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.1 24.1  
150 12.9 10.1 15.1

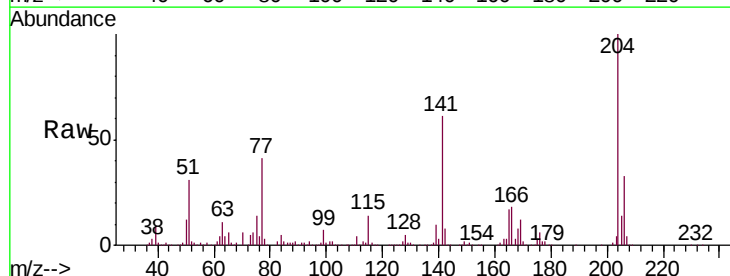


Abundance Ion 149.00 (148.70 to 149.70): E  
1500000 Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

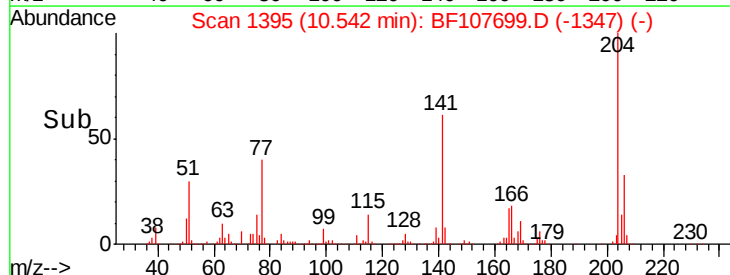
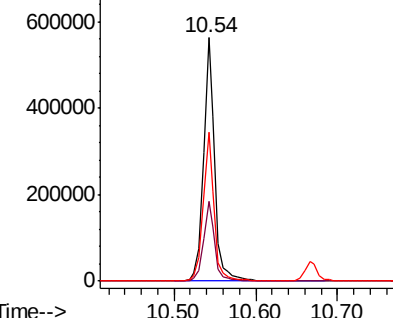


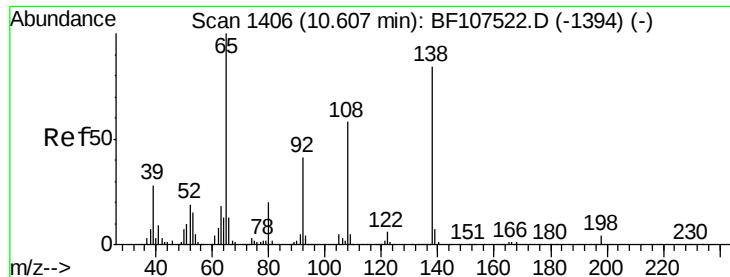
#60  
4-Chlorophenyl-phenylether  
Concen: 38.982 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:204 Resp: 539794  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.5 39.7  
141 61.4 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E  
600000 Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

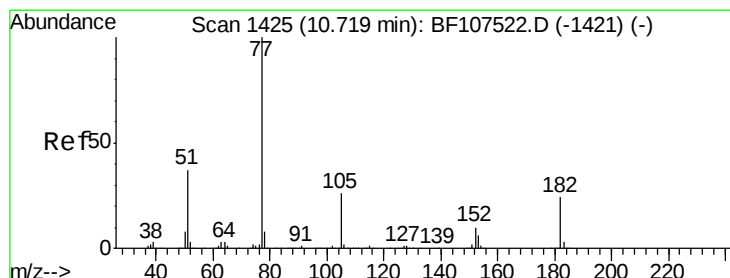
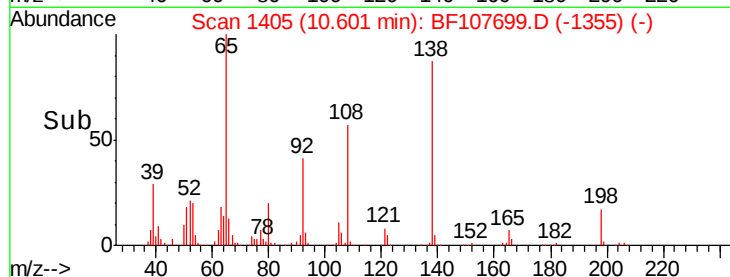
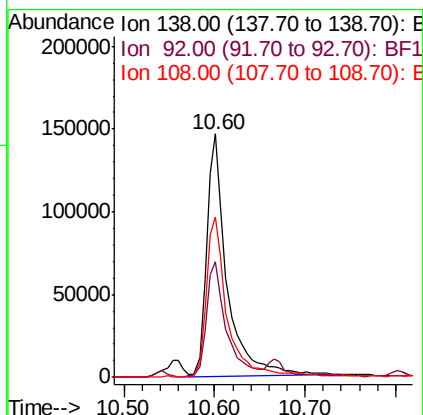
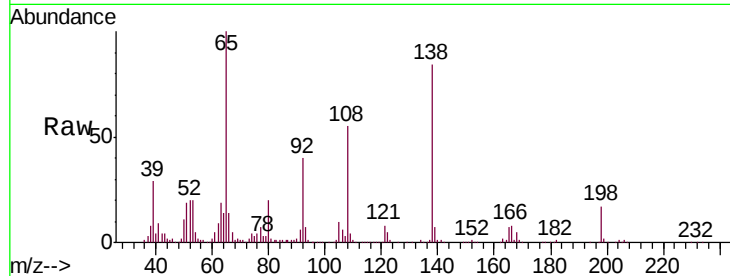




#61  
4-Nitroaniline  
Concen: 40.281 ng  
RT: 10.60 min Scan# 1405  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

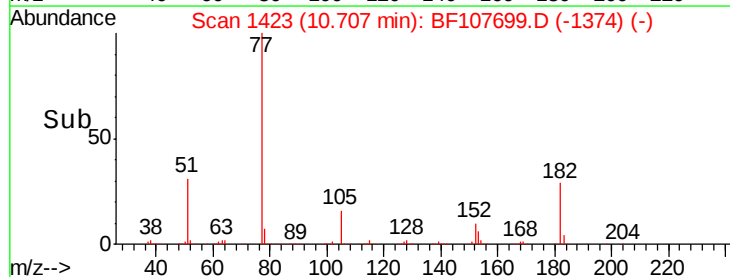
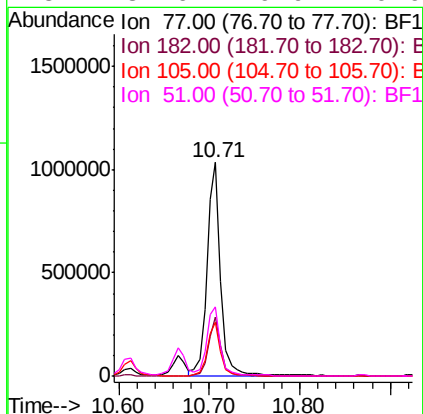
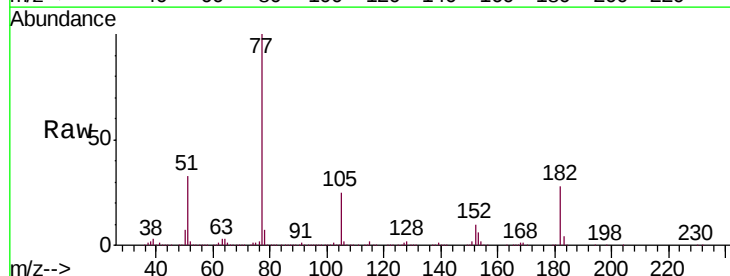
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

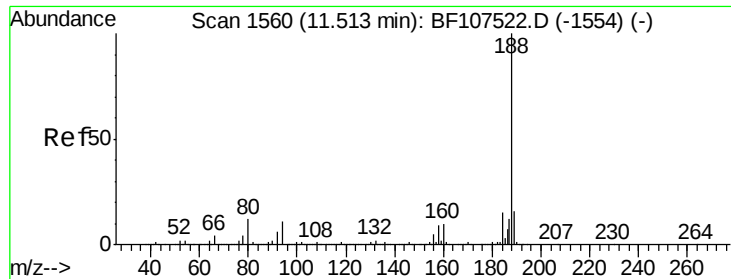
Tgt Ion: 138 Resp: 229247  
Ion Ratio Lower Upper  
138 100  
92 47.7 30.2 70.2  
108 65.9 52.5 92.5



#62  
Azobenzene  
Concen: 39.279 ng  
RT: 10.71 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 77 Resp: 1078802  
Ion Ratio Lower Upper  
77 100  
182 27.7 1.7 41.7  
105 25.2 3.0 43.0  
51 32.6 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

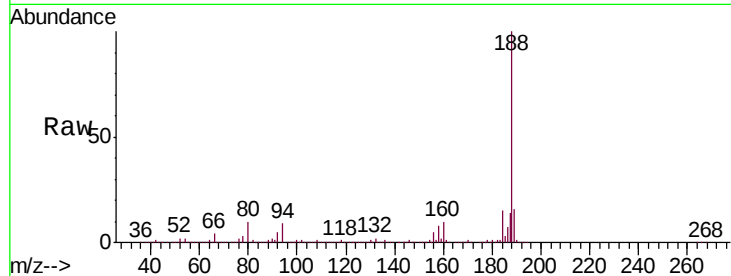
Tgt Ion:188 Resp: 727288

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

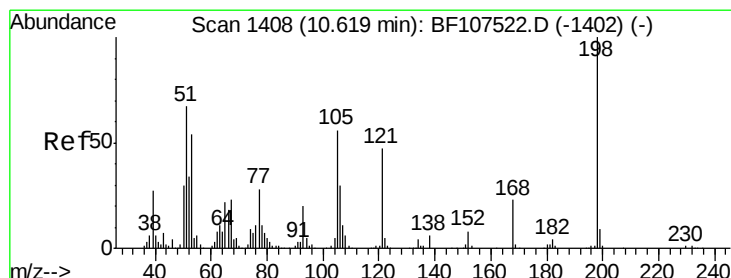
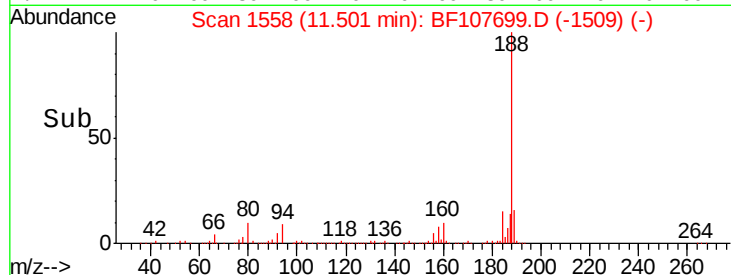
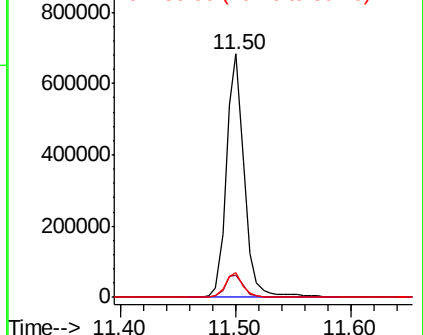
80 10.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 49.284 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

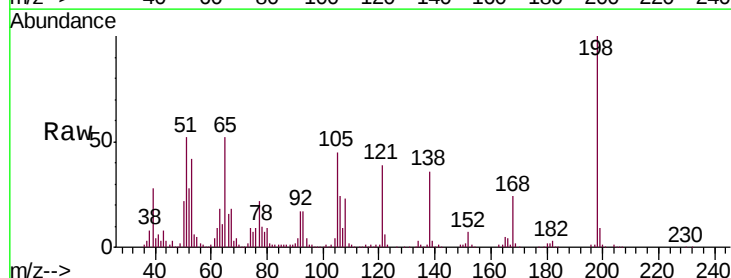
Tgt Ion:198 Resp: 174034

Ion Ratio Lower Upper

198 100

51 51.5 37.7 77.7

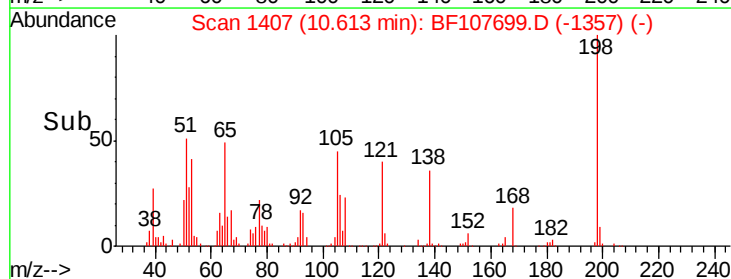
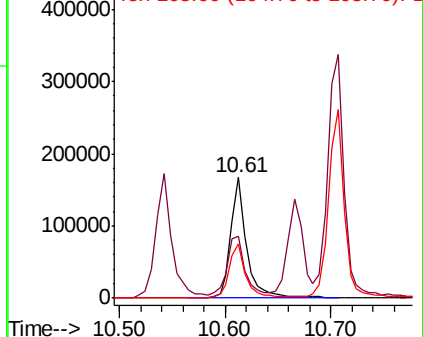
105 45.1 36.3 76.3

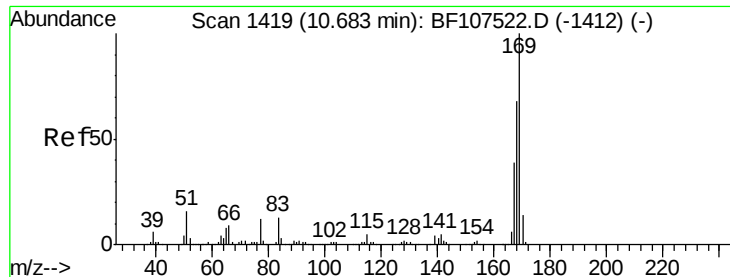


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

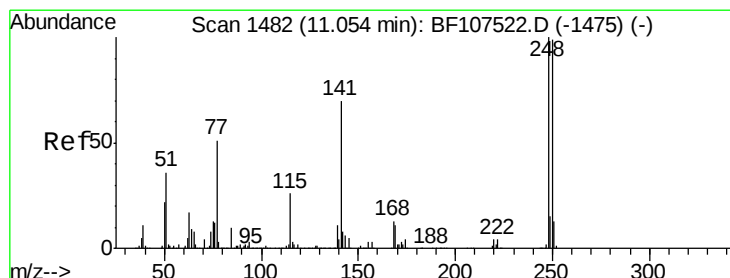
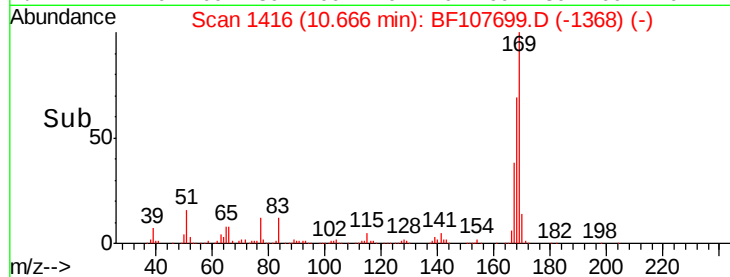
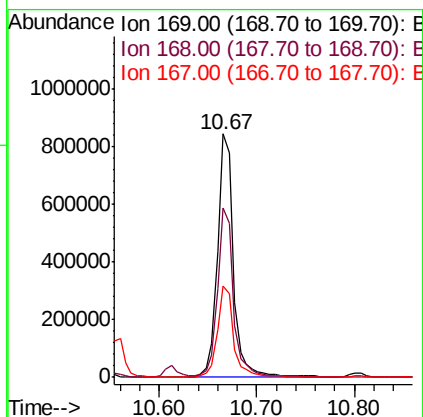
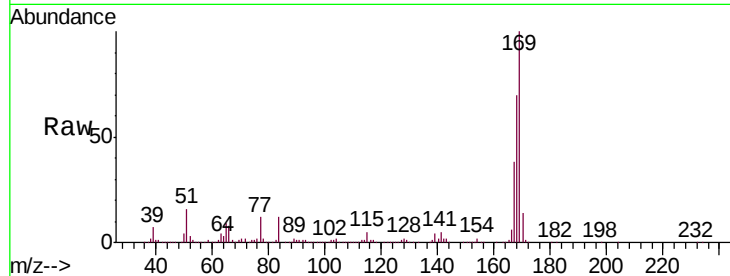




#65  
 n-Nitrosodiphenylamine  
 Concen: 38.876 ng  
 RT: 10.67 min Scan# 1416  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

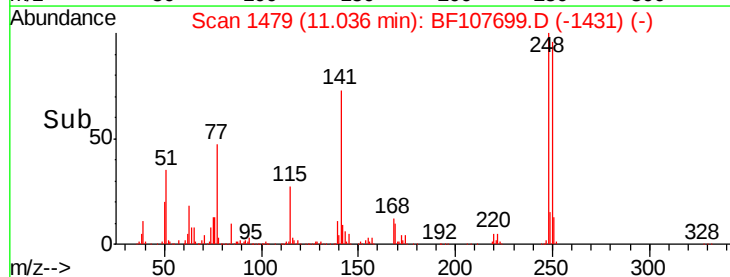
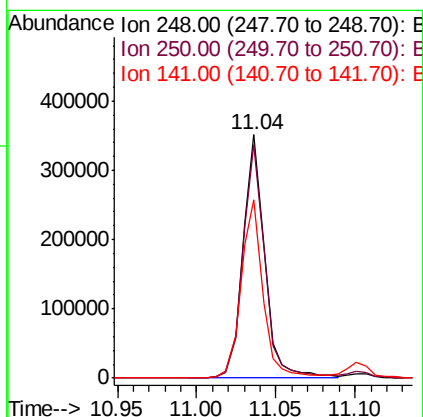
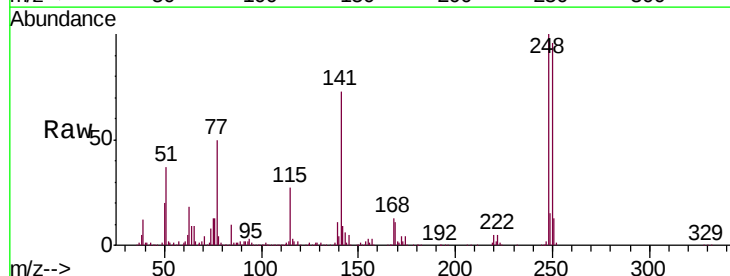
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

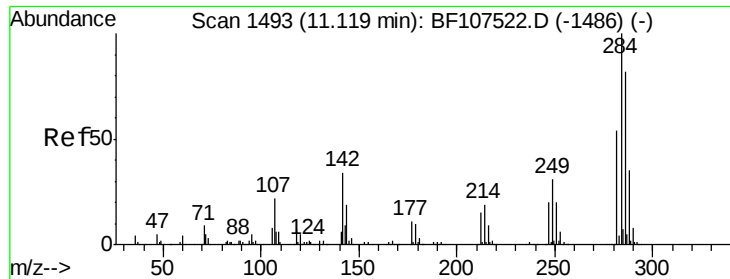
Tgt Ion:169 Resp: 960254  
 Ion Ratio Lower Upper  
 169 100  
 168 69.5 54.4 81.6  
 167 37.6 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 39.029 ng  
 RT: 11.04 min Scan# 1479  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:248 Resp: 334140  
 Ion Ratio Lower Upper  
 248 100  
 250 95.6 76.9 115.3  
 141 73.1 74.4 111.6#

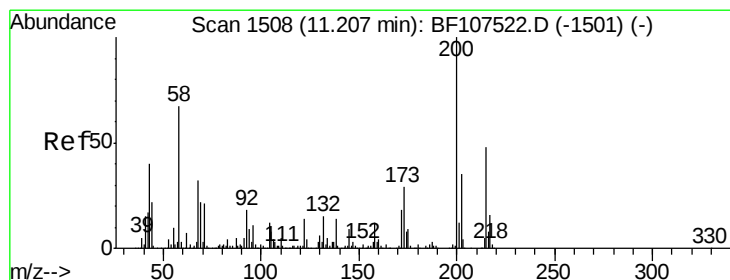
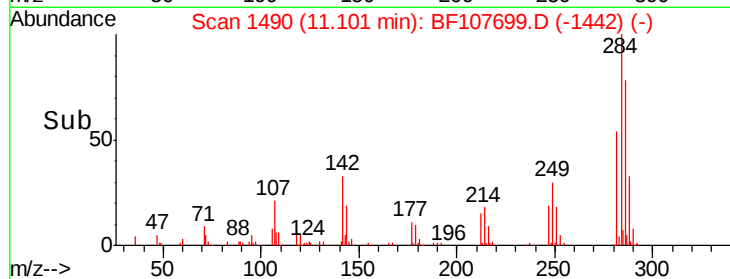
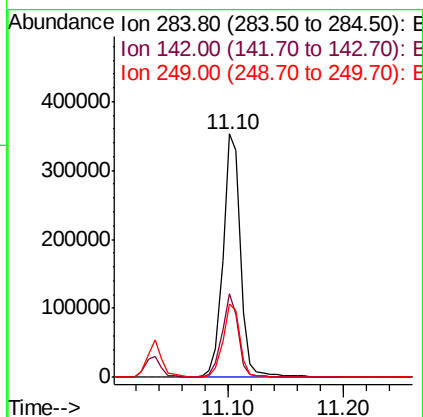
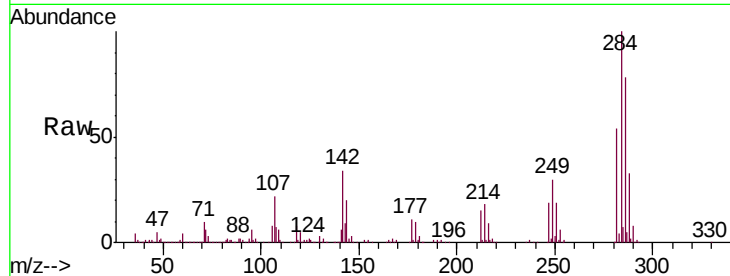




#67  
Hexachlorobenzene  
Concen: 39.340 ng  
RT: 11.10 min Scan# 1490  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

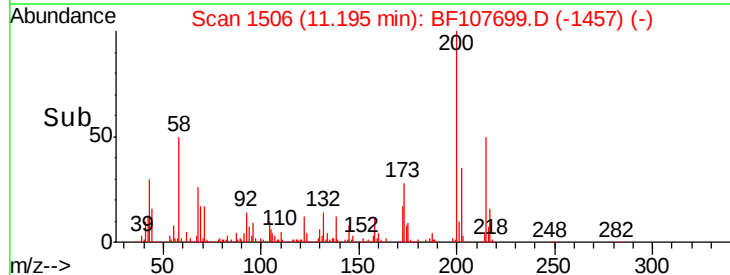
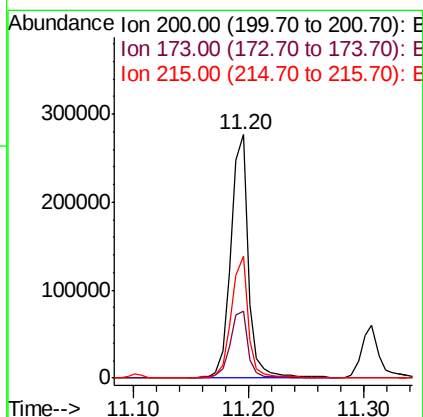
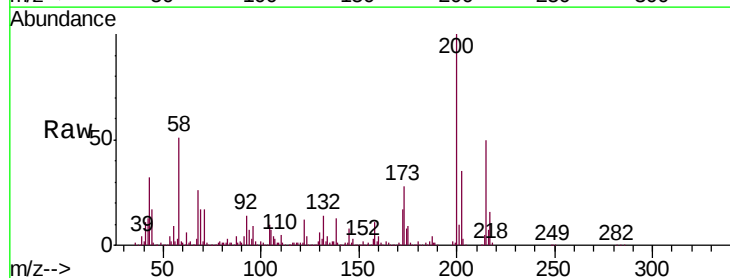
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

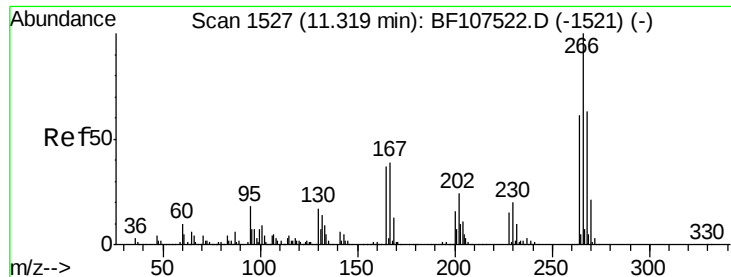
Tgt Ion: 284 Resp: 370583  
Ion Ratio Lower Upper  
284 100  
142 34.4 34.6 52.0#  
249 30.1 24.8 37.2



#68  
Atrazine  
Concen: 38.768 ng  
RT: 11.20 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 200 Resp: 292370  
Ion Ratio Lower Upper  
200 100  
173 27.5 8.6 48.6  
215 49.9 25.1 65.1

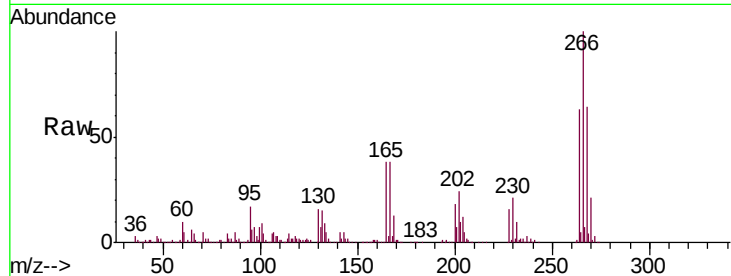




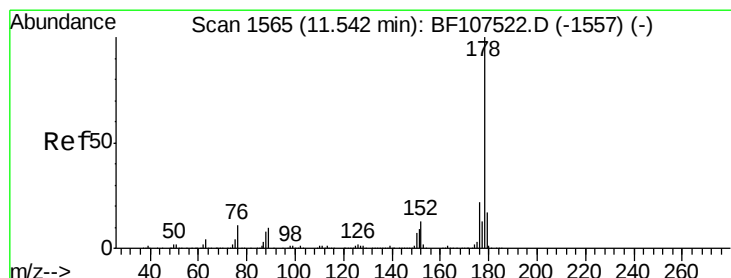
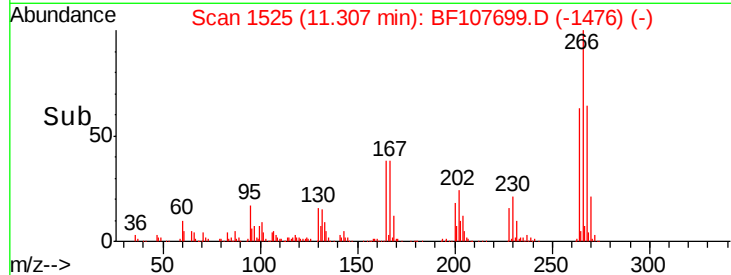
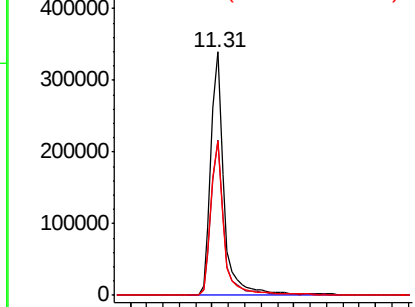
#69  
 Pentachlorophenol  
 Concen: 65.504 ng  
 RT: 11.31 min Scan# 1525  
 Delta R.T. -0.01 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

Tgt Ion:266 Resp: 385423  
 Ion Ratio Lower Upper  
 266 100  
 268 63.9 51.1 76.7  
 264 63.4 49.5 74.3

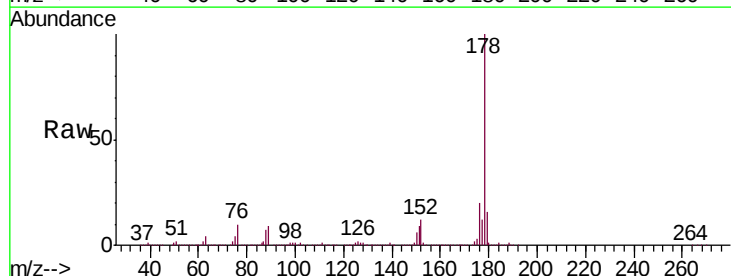


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

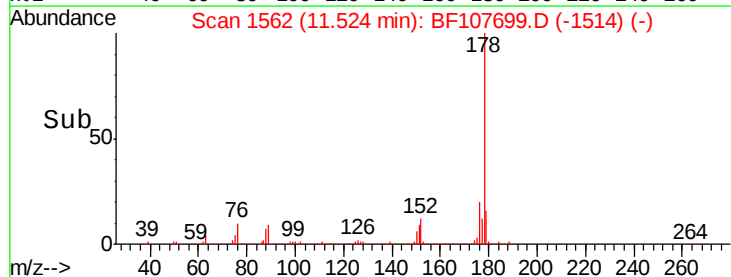
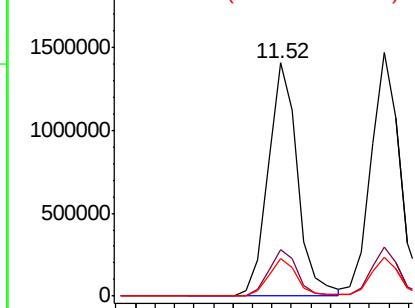


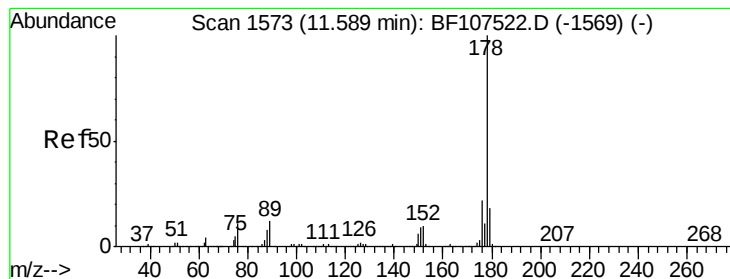
#70  
 Phenanthrene  
 Concen: 41.283 ng  
 RT: 11.52 min Scan# 1562  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:178 Resp: 1463114  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 15.8 23.8  
 179 16.1 13.0 19.6



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





#71

Anthracene

Concen: 44.788 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

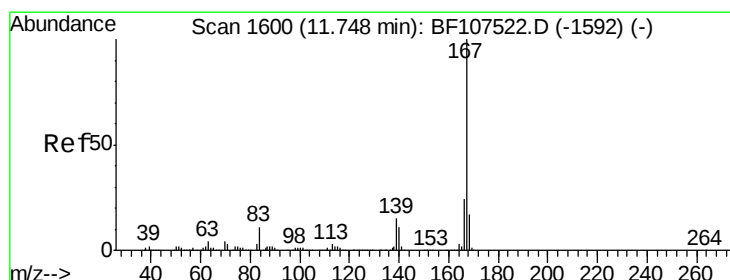
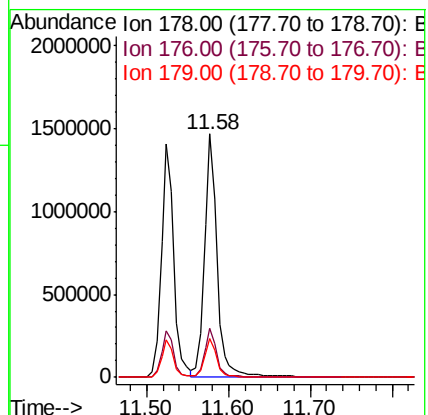
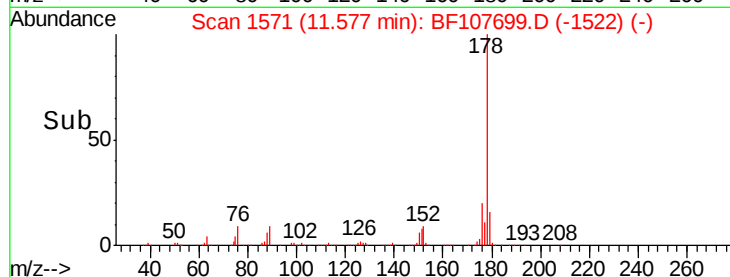
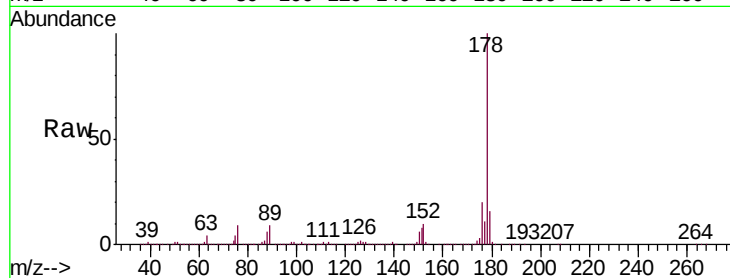
Tgt Ion:178 Resp: 1598213

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

179 16.1 12.6 19.0



#72

Carbazole

Concen: 37.612 ng

RT: 11.74 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

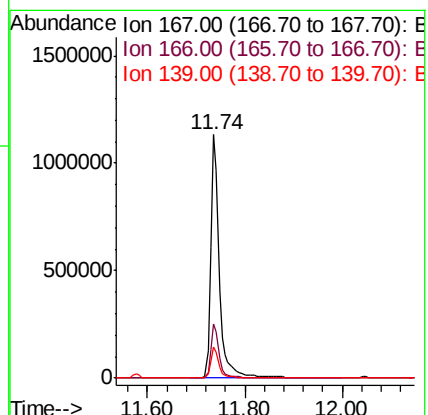
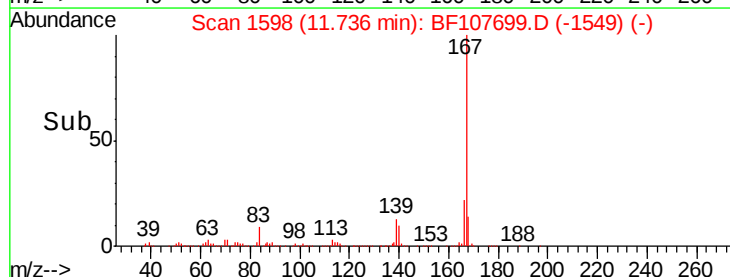
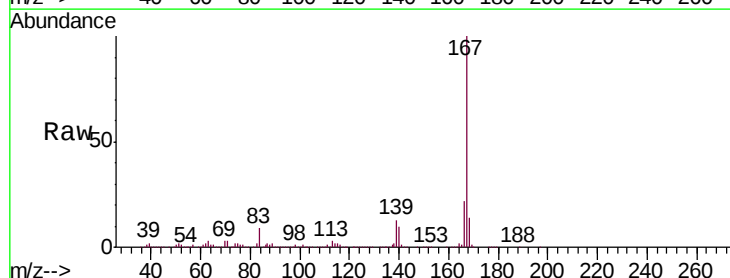
Tgt Ion:167 Resp: 1395667

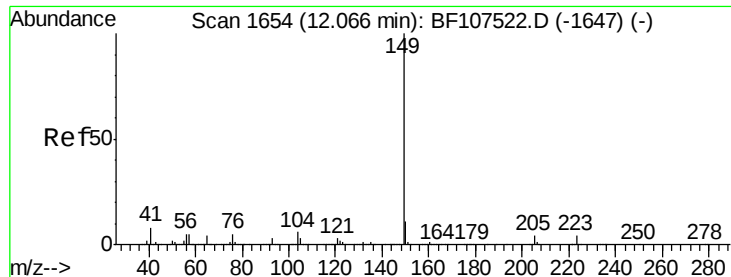
Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

139 12.9 10.9 16.3





#73

Di-n-butylphthalate

Concen: 44.732 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

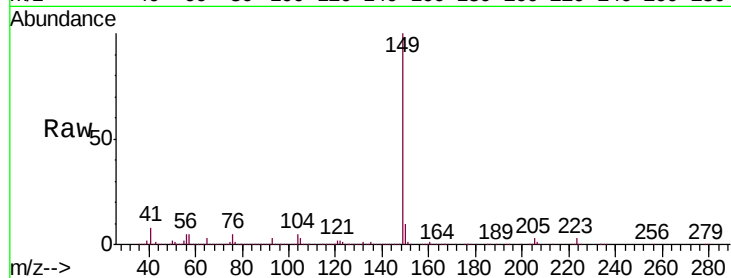
Tgt Ion:149 Resp: 1710771

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

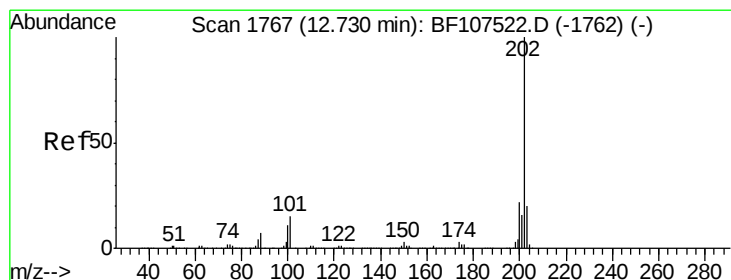
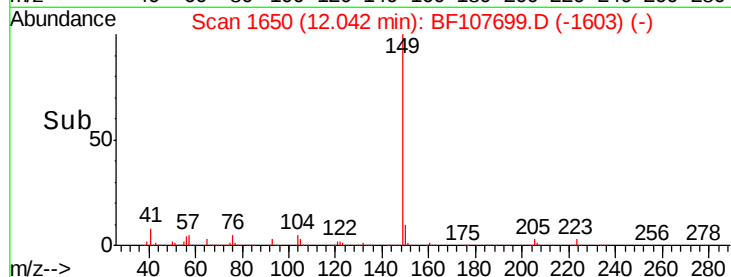
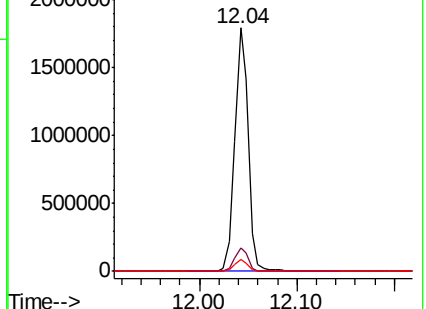
104 4.9 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.192 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

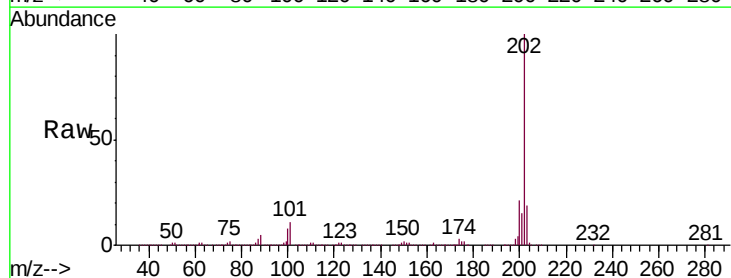
Tgt Ion:202 Resp: 1528529

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

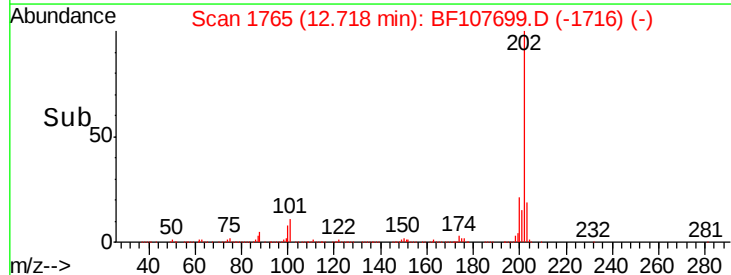
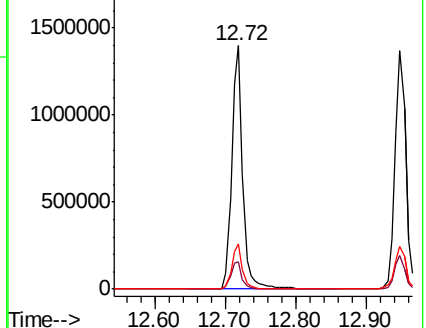
203 18.7 0.0 38.1

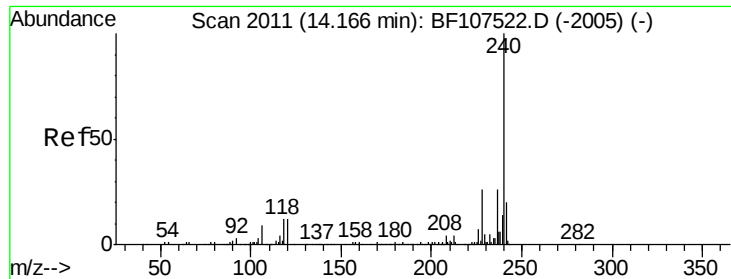


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

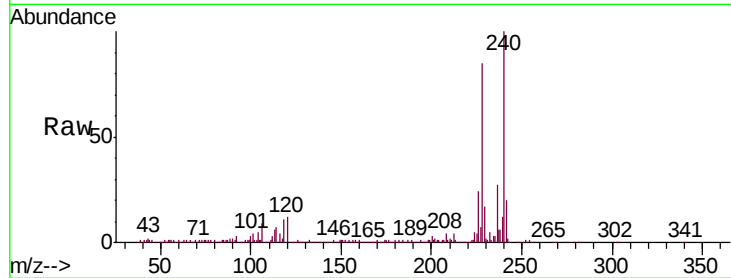
Tgt Ion:240 Resp: 436580

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

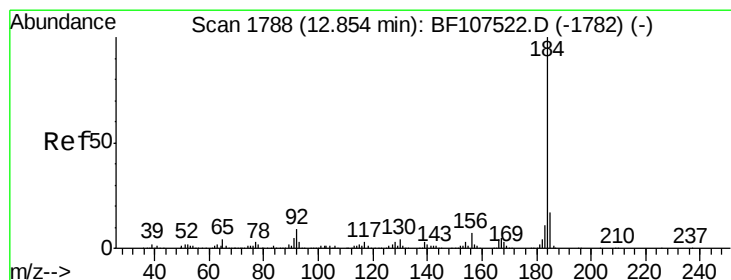
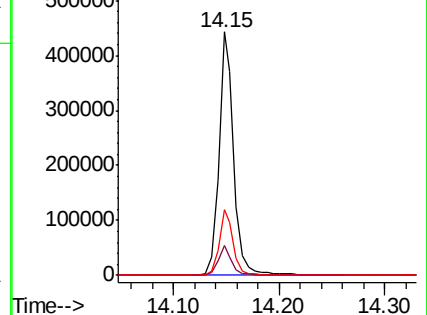
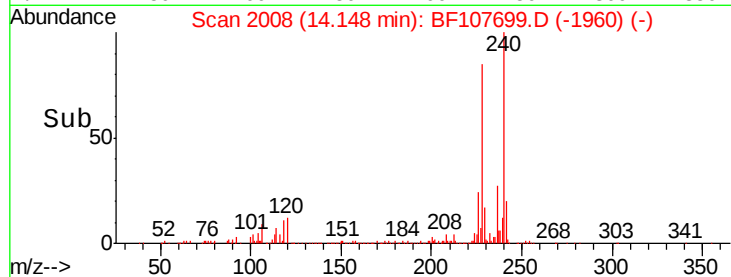
236 26.8 20.7 31.1



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: 27.673 ng

RT: 12.85 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

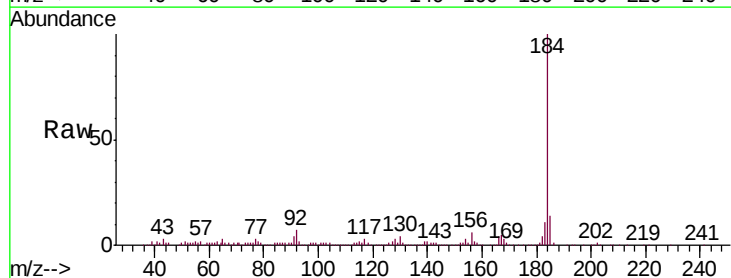
Tgt Ion:184 Resp: 347931

Ion Ratio Lower Upper

184 100

185 14.4 12.6 18.8

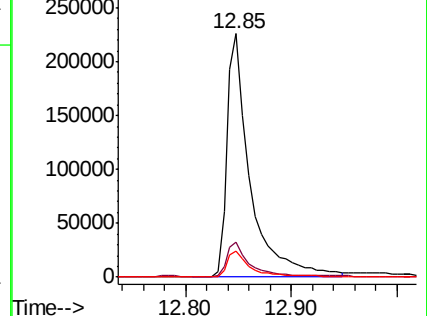
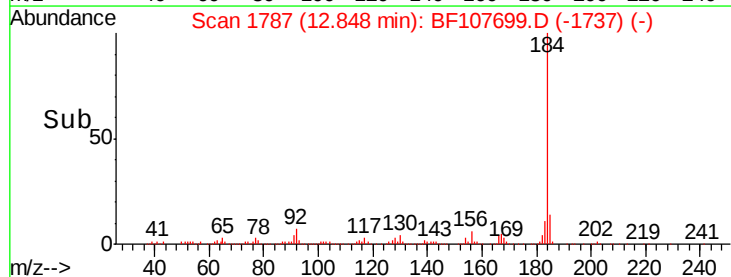
183 10.7 9.3 13.9

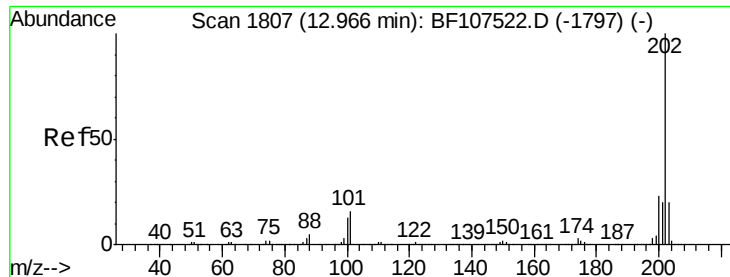


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

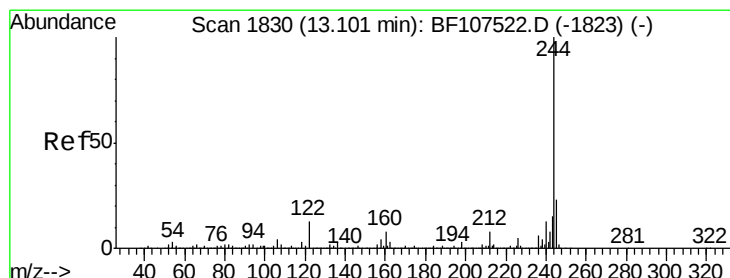
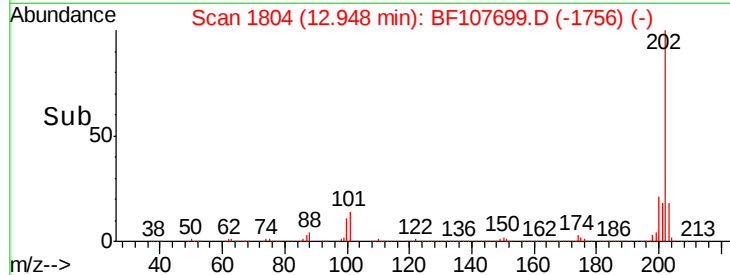
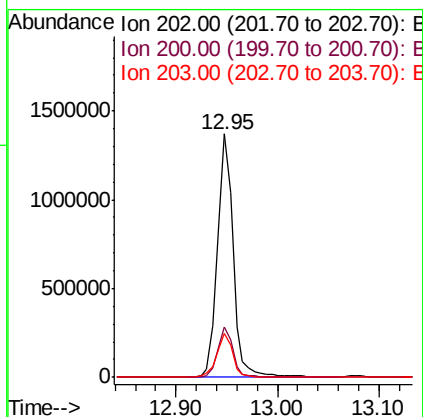
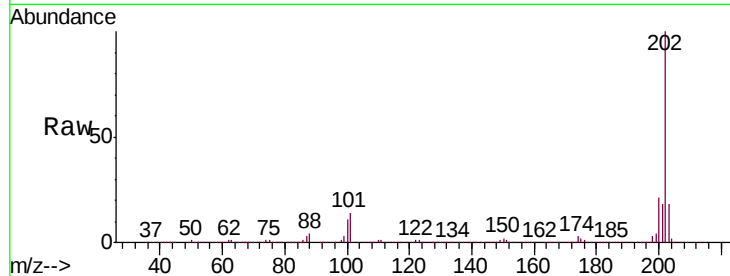




#77  
Pyrene  
Concen: 49.803 ng  
RT: 12.95 min Scan# 1804  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

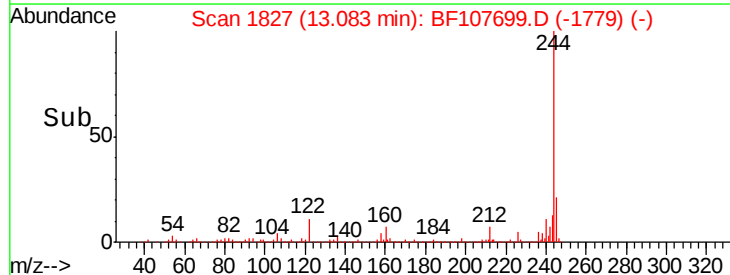
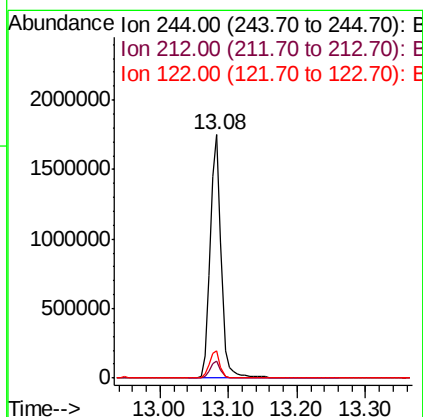
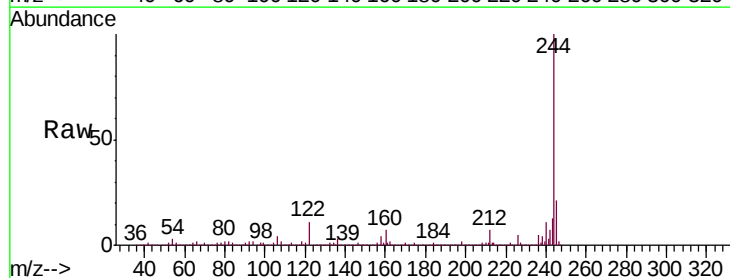
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

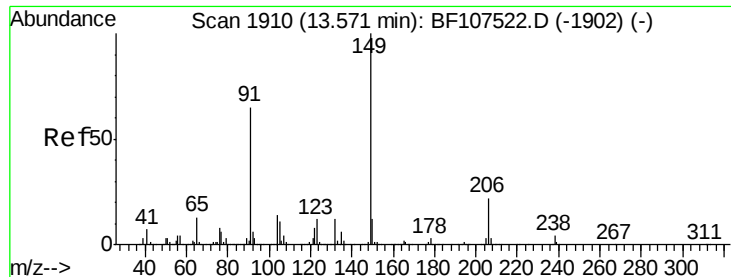
Tgt Ion: 202 Resp: 1487229  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.4 26.2  
203 18.1 14.3 21.5



#78  
Terphenyl-d14  
Concen: 115.478 ng  
RT: 13.08 min Scan# 1827  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion: 244 Resp: 1969288  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.4 8.0  
122 11.2 11.0 16.4

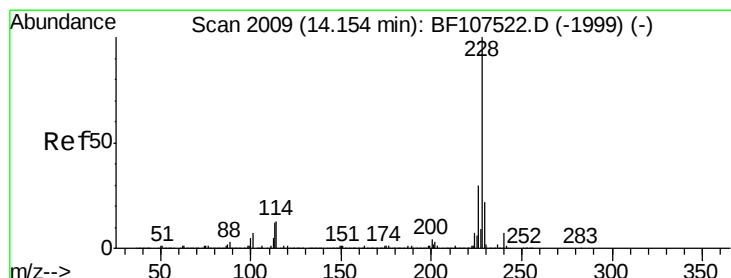
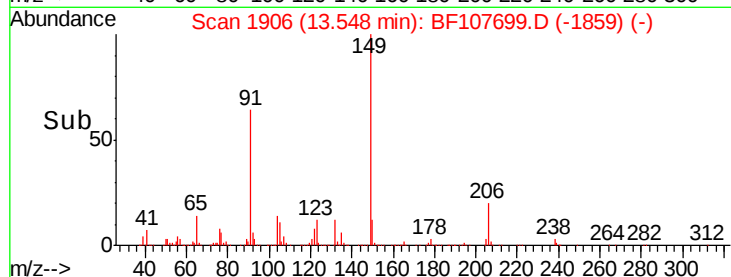
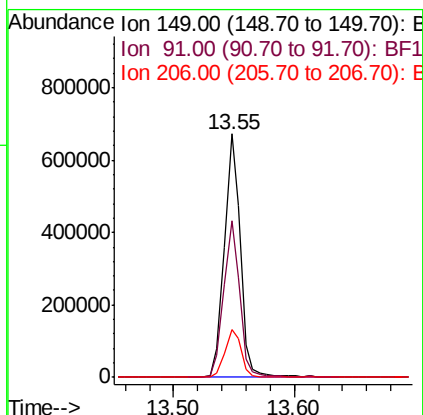
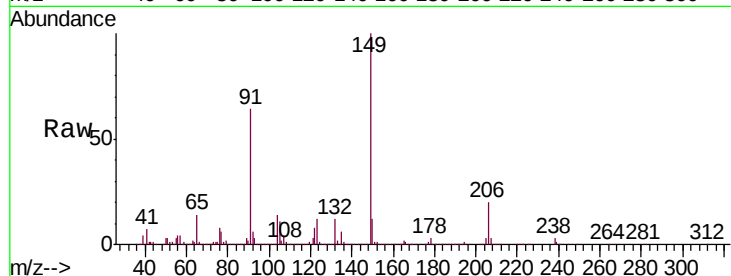




#79  
Butylbenzylphthalate  
Concen: 47.919 ng  
RT: 13.55 min Scan# 1906  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

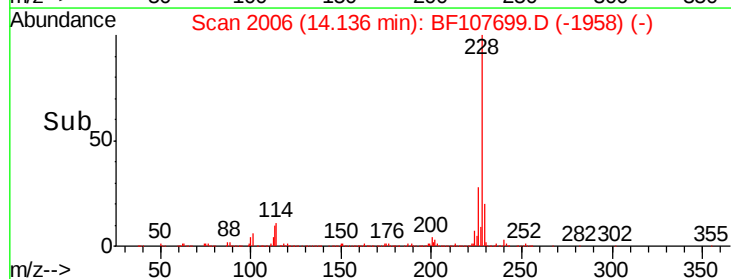
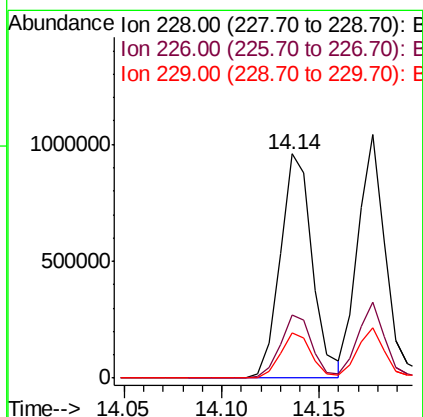
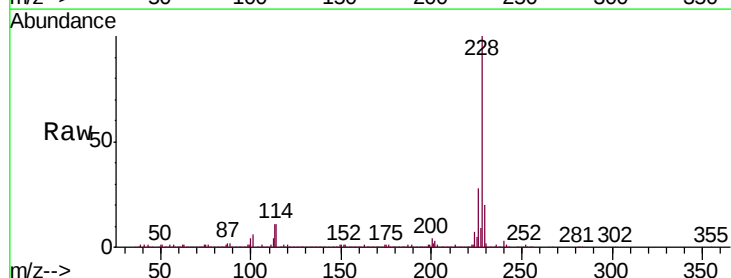
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

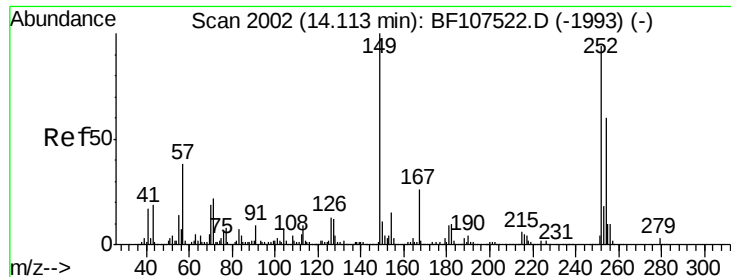
Tgt Ion:149 Resp: 615403  
Ion Ratio Lower Upper  
149 100  
91 64.4 56.8 85.2  
206 19.5 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 42.604 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:228 Resp: 1089999  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.6 33.8  
229 20.2 15.8 23.6

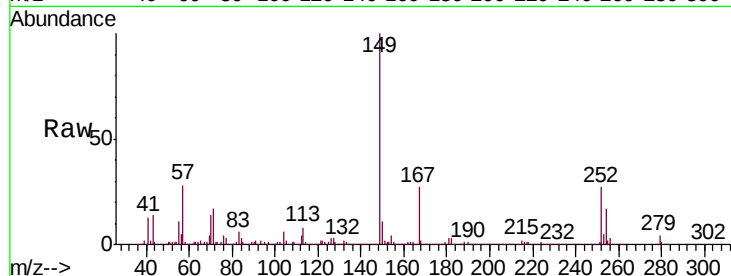




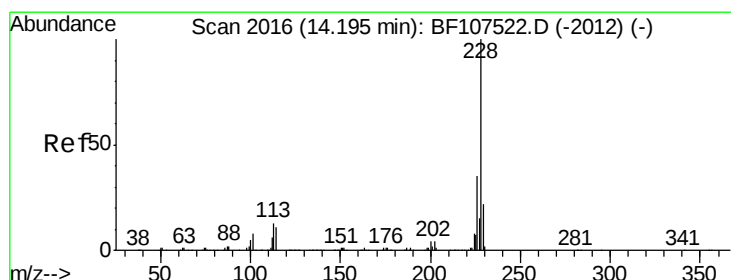
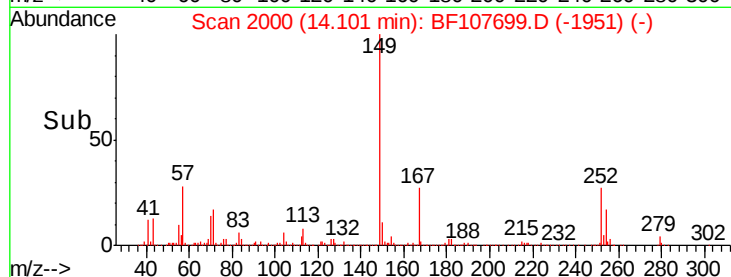
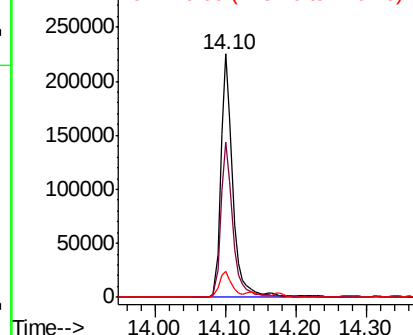
#81  
3,3'-Dichlorobenzidine  
Concen: 32.721 ng  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

Tgt Ion:252 Resp: 268091  
Ion Ratio Lower Upper  
252 100  
254 63.9 50.4 75.6  
126 10.7 11.3 16.9#

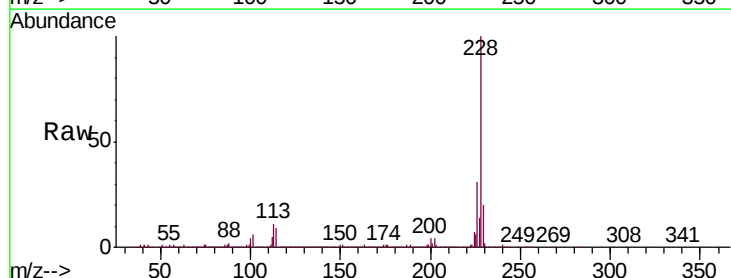


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E

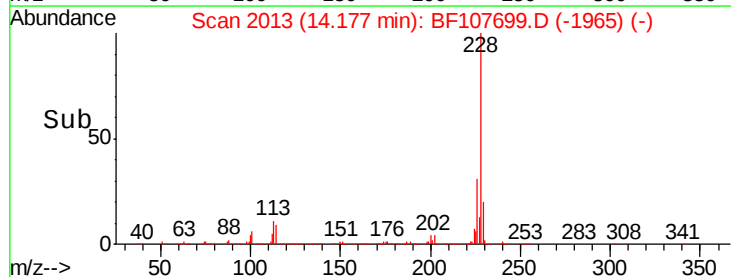
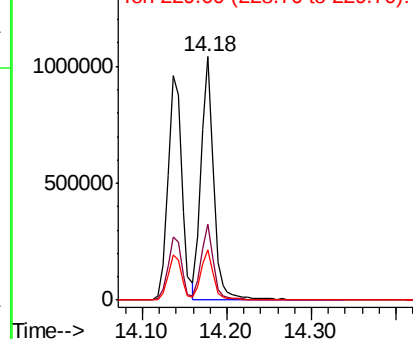


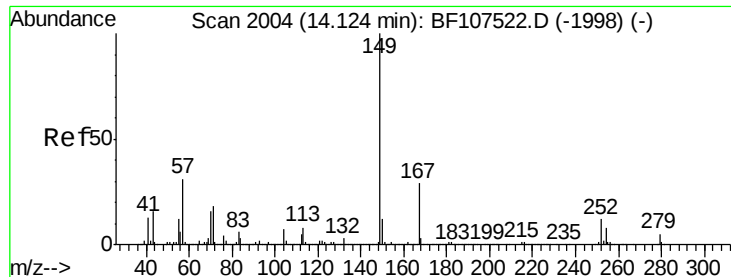
#82  
Chrysene  
Concen: 43.198 ng  
RT: 14.18 min Scan# 2013  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:228 Resp: 1061653  
Ion Ratio Lower Upper  
228 100  
226 31.3 25.0 37.6  
229 20.5 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

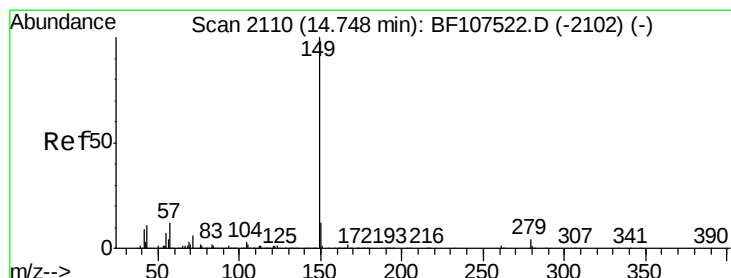
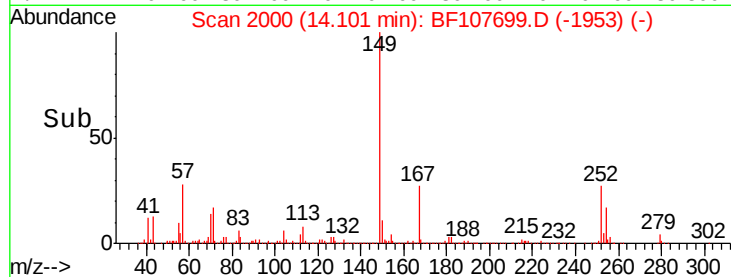
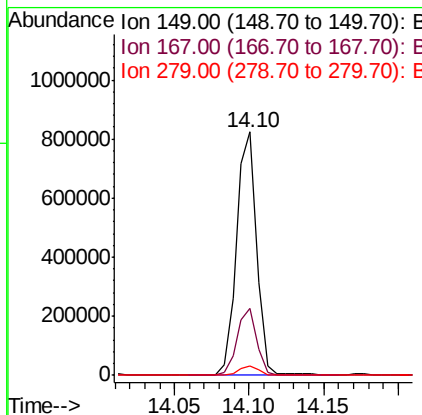
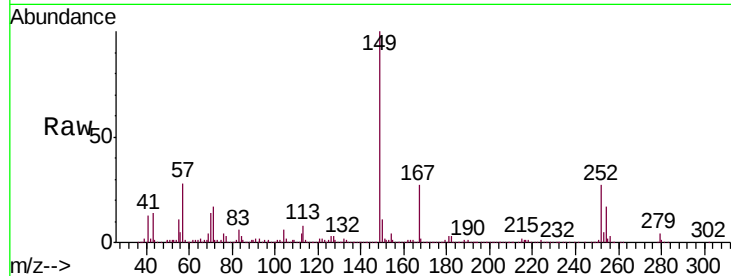




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.996 ng  
 RT: 14.10 min Scan# 2000  
 Delta R.T. -0.02 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

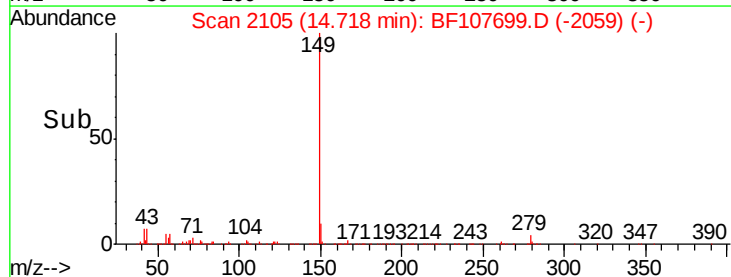
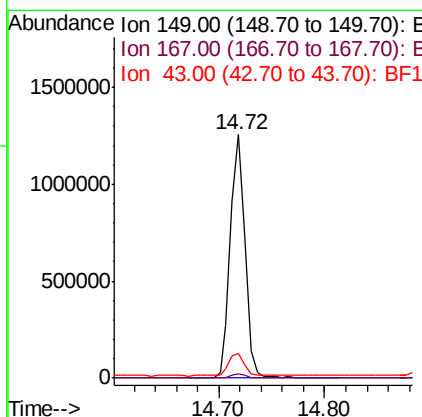
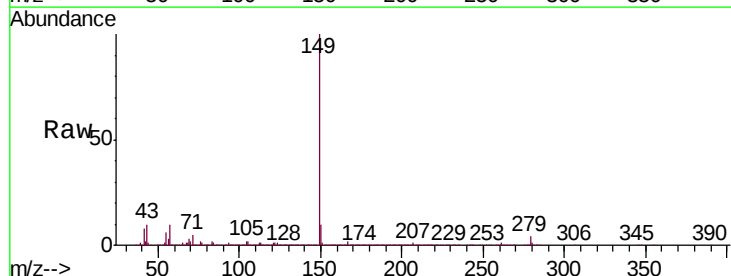
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111479BS

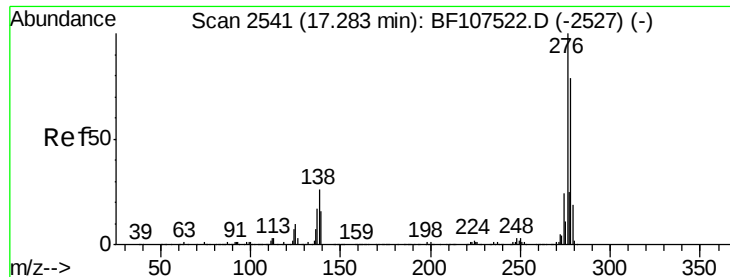
Tgt Ion:149 Resp: 779109  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 21.3 31.9  
 279 4.0 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 42.649 ng  
 RT: 14.72 min Scan# 2105  
 Delta R.T. -0.03 min  
 Lab File: BF107699.D  
 Acq: 26 Jul 2018 15:03

Tgt Ion:149 Resp: 1201272  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 9.7 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 64.944 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

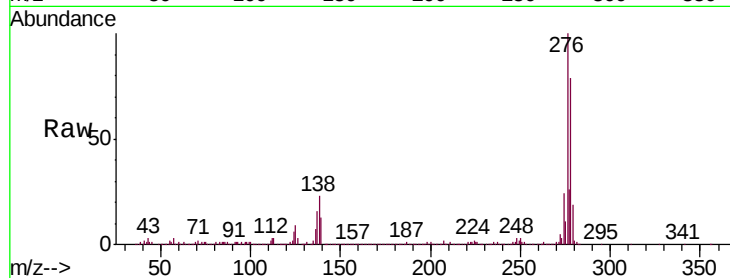
Tgt Ion:276 Resp: 1352732

Ion Ratio Lower Upper

276 100

138 24.0 25.0 37.6#

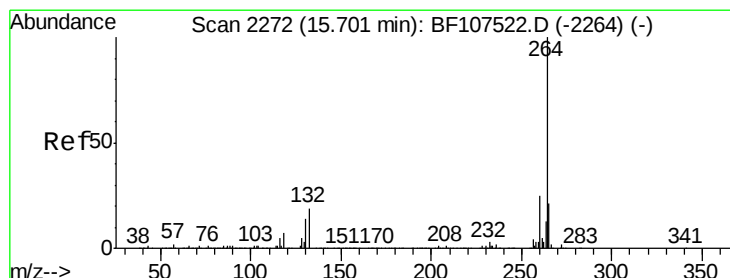
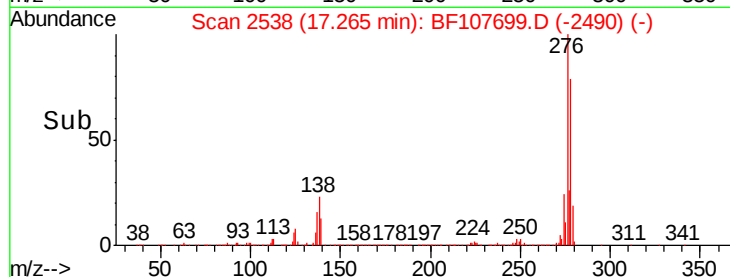
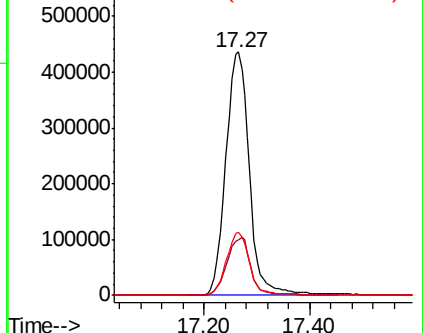
277 25.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

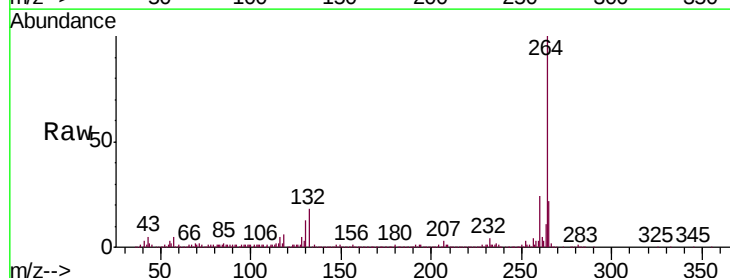
Tgt Ion:264 Resp: 495345

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

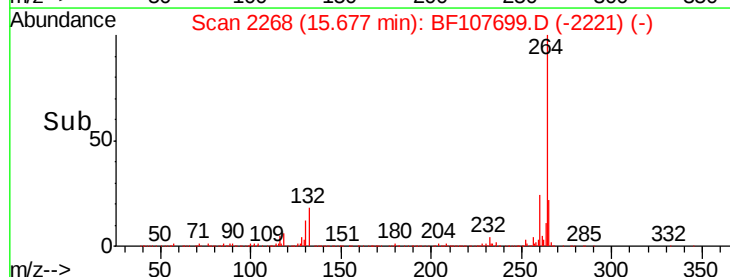
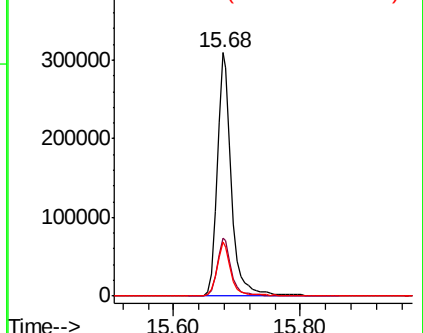
265 22.2 17.5 26.3

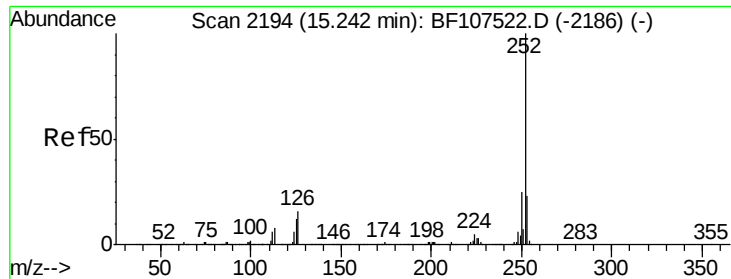


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

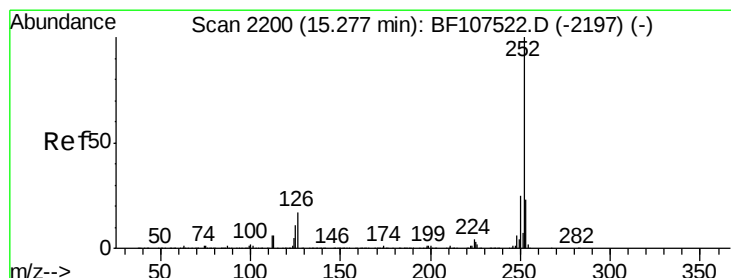
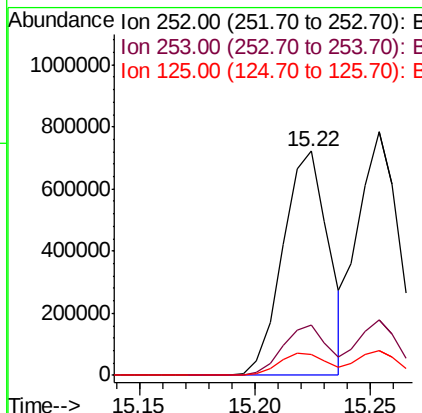
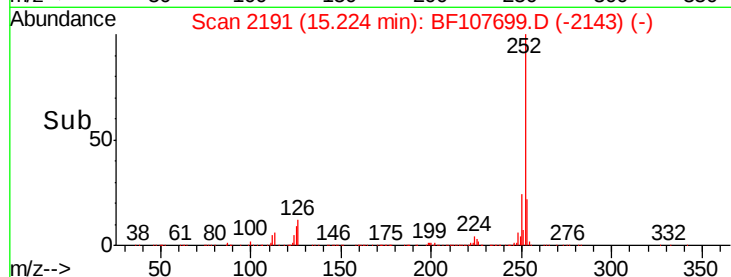
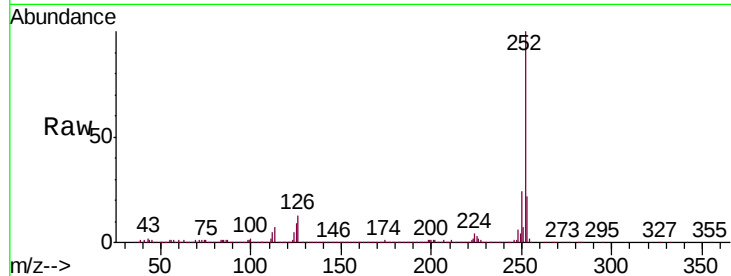




#87  
Benzo(b)fluoranthene  
Concen: 36.467 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

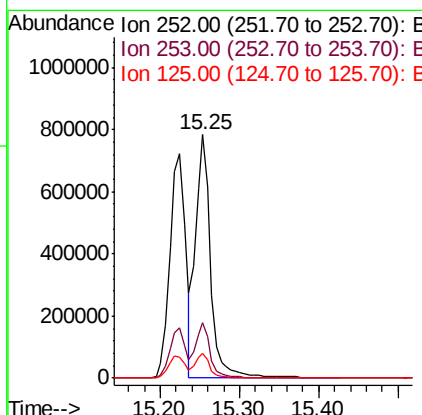
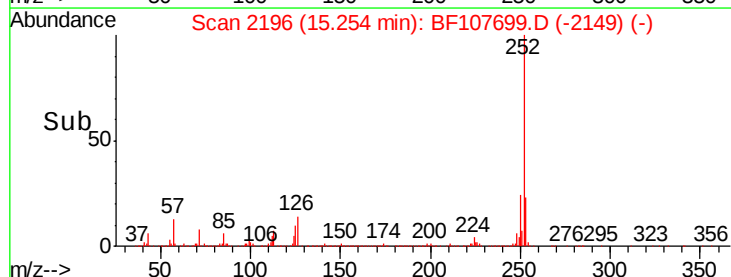
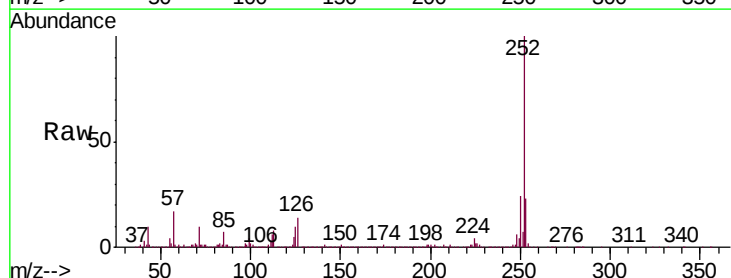
Instrument :  
BNA\_F  
ClientSampleId :  
PB111479BS

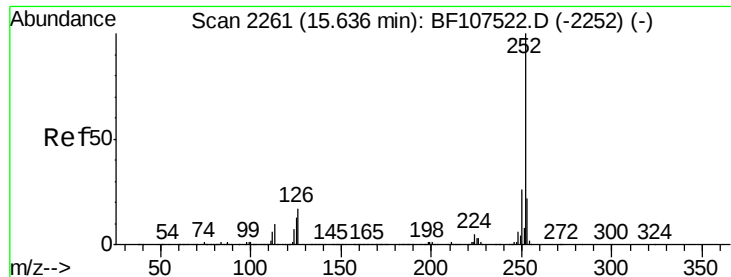
Tgt Ion:252 Resp: 988606  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.0 25.6  
125 9.3 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 39.342 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.02 min  
Lab File: BF107699.D  
Acq: 26 Jul 2018 15:03

Tgt Ion:252 Resp: 1044910  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.9 26.9  
125 10.4 10.2 15.2





#89

Benzo(a)pyrene

Concen: 41.624 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

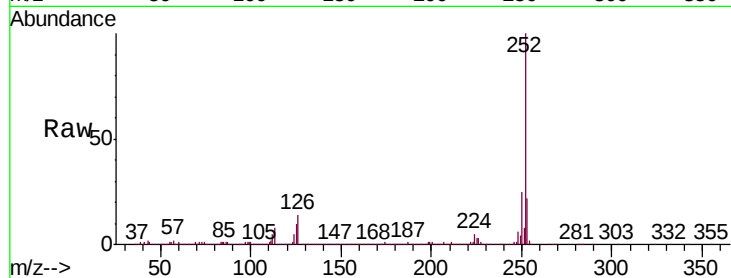
Tgt Ion:252 Resp: 1032184

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

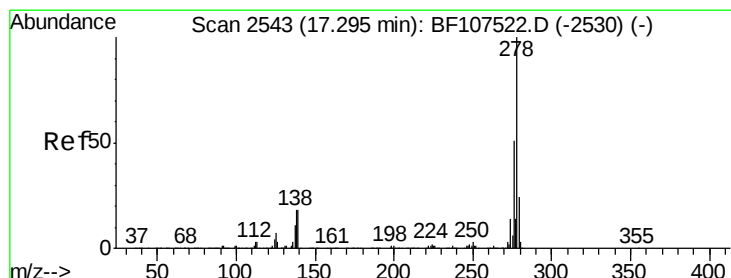
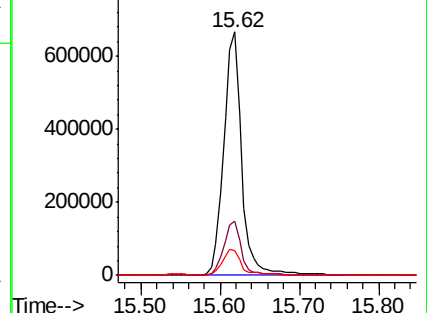
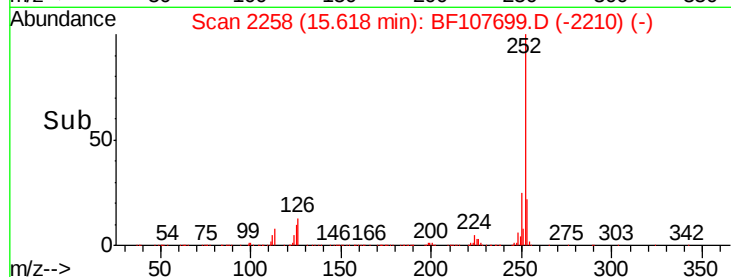
125 10.3 9.8 14.6



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: 52.123 ng

RT: 17.28 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

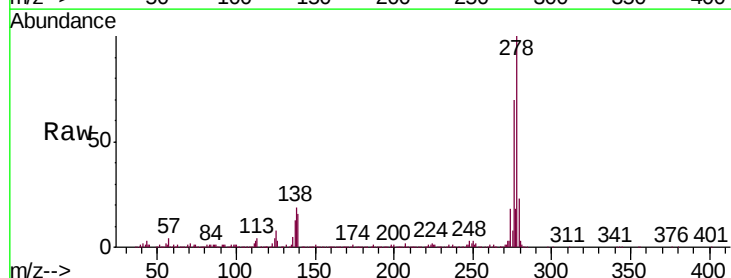
Tgt Ion:278 Resp: 1117319

Ion Ratio Lower Upper

278 100

139 16.1 15.9 23.9

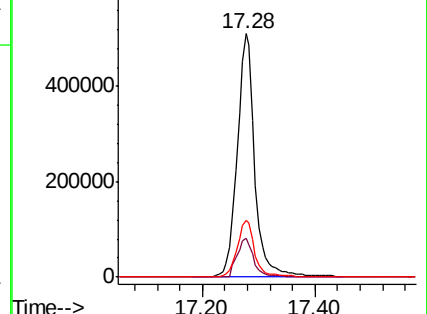
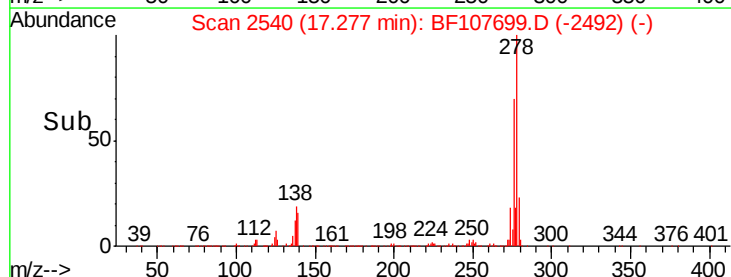
279 23.4 19.0 28.4

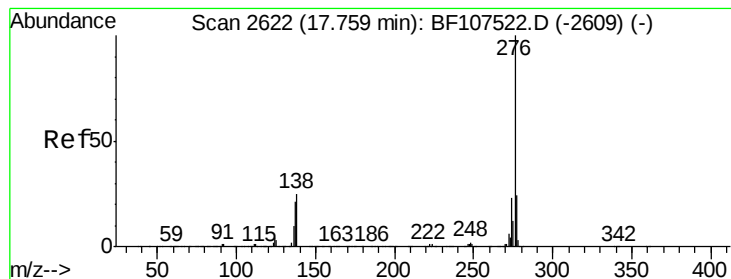


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 54.639 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107699.D

Acq: 26 Jul 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

PB111479BS

Tgt Ion: 276 Resp: 1155301

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 21.7 21.8 32.8#

