

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091918\  
 Data File : BF109177.D  
 Acq On : 20 Sep 2018 6:26  
 Operator : JU/SJ  
 Sample : PB112999BSD  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

Quant Time: Sep 20 07:40:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 144938   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 526378   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 223142   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.23 | 188  | 365636   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.86 | 240  | 297443   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.26 | 264  | 305367   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 709861  | 81.34 | ng | 0.02 |
| 7) Phenol-d6             | 6.37  | 99  | 895930  | 79.62 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.29  | 82  | 811279  | 86.45 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 175799  | 72.59 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.08  | 172 | 1365889 | 95.90 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.81 | 244 | 1121937 | 89.40 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 146600  | 35.291 | ng | 92     |
| 3) Pyridine                    | 3.18 | 79  | 389980  | 35.415 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.13 | 42  | 198555  | 47.742 | ng | # 96   |
| 6) Aniline                     | 6.38 | 93  | 299522  | 20.594 | ng | # 82   |
| 8) 2-Chlorophenol              | 6.51 | 128 | 404566  | 41.427 | ng | 98     |
| 9) Benzaldehyde                | 6.27 | 77  | 161291  | 22.443 | ng | 99     |
| 10) Phenol                     | 6.38 | 94  | 492532  | 38.901 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93  | 401247  | 40.283 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 449148  | 40.216 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.74 | 146 | 449712  | 40.138 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 421698  | 40.598 | ng | 99     |
| 15) Benzyl Alcohol             | 6.87 | 79  | 352603  | 41.275 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45  | 564503  | 39.554 | ng | 94     |
| 17) 2-Methylphenol             | 6.98 | 107 | 334029  | 41.924 | ng | 95     |
| 18) Hexachloroethane           | 7.24 | 117 | 159259  | 39.137 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70  | 298417  | 40.121 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 391346  | 40.783 | ng | # 69   |
| 22) Acetophenone               | 7.13 | 105 | 550998  | 46.093 | ng | # 94   |
| 24) Nitrobenzene               | 7.30 | 77  | 428601  | 44.296 | ng | 96     |
| 25) Isophorone                 | 7.55 | 82  | 795323  | 49.300 | ng | 99     |
| 26) 2-Nitrophenol              | 7.62 | 139 | 157027  | 34.755 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 351618  | 49.613 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 497581  | 45.835 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.87 | 162 | 316797  | 41.947 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 349879  | 42.857 | ng | 97     |
| 31) Naphthalene                | 8.02 | 128 | 1130868 | 46.288 | ng | 99     |
| 32) Benzoic acid               | 7.81 | 122 | 37329   | 8.061  | ng | 98     |
| 33) 4-Chloroaniline            | 8.07 | 127 | 105154  | 9.680  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.15 | 225 | 215775  | 43.293 | ng | 99     |
| 35) Caprolactam                | 8.45 | 113 | 87916   | 35.705 | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 322534  | 40.568 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 730499  | 45.869 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 327055  | 46.568 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.88 | 237 | 208251  | 58.852 | ng | 99     |

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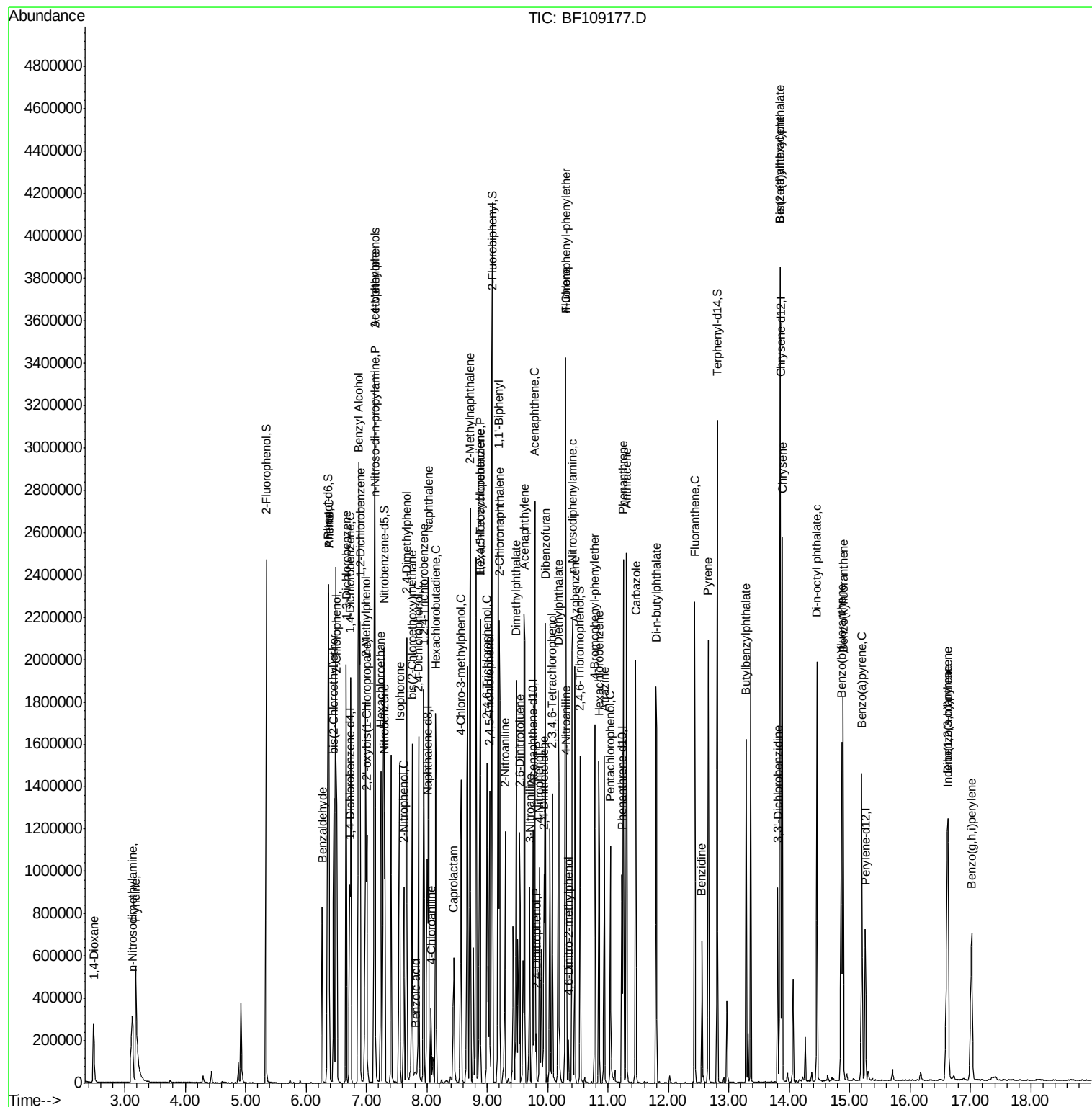
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 206071   | 43.653 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.04  | 196  | 210054   | 42.581 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.18  | 154  | 847451   | 47.470 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 647100   | 45.261 | ng    | 100      |
| 47) 2-Nitroaniline             | 9.30  | 65   | 196065   | 44.608 | ng    | 95       |
| 48) Acenaphthylene             | 9.61  | 152  | 1016364  | 47.150 | ng    | 100      |
| 49) Dimethylphthalate          | 9.48  | 163  | 762119   | 47.785 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 148113   | 41.876 | ng    | 94       |
| 51) Acenaphthene               | 9.79  | 154  | 589888   | 43.947 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.70  | 138  | 134591   | 32.317 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 9.81  | 184  | 26974    | 19.789 | ng    | # 22     |
| 54) Dibenzofuran               | 9.96  | 168  | 842487   | 43.434 | ng    | 98       |
| 55) 4-Nitrophenol              | 9.87  | 139  | 176324   | 57.463 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 179025   | 38.704 | ng    | # 90     |
| 57) Fluorene                   | 10.30 | 166  | 606871   | 46.949 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 155462   | 38.060 | ng    | 89       |
| 59) Diethylphthalate           | 10.18 | 149  | 729200   | 45.276 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 300297   | 43.386 | ng    | 93       |
| 61) 4-Nitroaniline             | 10.31 | 138  | 149547   | 37.795 | ng    | 96       |
| 62) Azobenzene                 | 10.45 | 77   | 686096   | 41.617 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 25187    | 14.397 | ng    | 80       |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 584609   | 48.880 | ng    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 193259   | 46.884 | ng    | 93       |
| 67) Hexachlorobenzene          | 10.85 | 284  | 200234   | 45.414 | ng    | 93       |
| 68) Atrazine                   | 10.94 | 200  | 184923   | 48.300 | ng    | 99       |
| 69) Pentachlorophenol          | 11.04 | 266  | 153545   | 54.431 | ng    | 100      |
| 70) Phenanthrene               | 11.25 | 178  | 858757   | 47.912 | ng    | 99       |
| 71) Anthracene                 | 11.31 | 178  | 871140   | 47.947 | ng    | 100      |
| 72) Carbazole                  | 11.46 | 167  | 767816   | 42.690 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 971177   | 46.129 | ng    | 99       |
| 74) Fluoranthene               | 12.44 | 202  | 875501   | 46.269 | ng    | 97       |
| 76) Benzidine                  | 12.55 | 184  | 244164   | 23.190 | ng    | 98       |
| 77) Pyrene                     | 12.66 | 202  | 892609   | 40.401 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.29 | 149  | 396227   | 40.153 | ng    | # 93     |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 845832   | 46.969 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 181783   | 25.015 | ng    | 98       |
| 82) Chrysene                   | 13.88 | 228  | 821874   | 45.616 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 507283   | 42.457 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.46 | 149  | 1016466  | 50.162 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.61 | 276  | 716025   | 49.708 | ng    | # 93     |
| 87) Benzo(b)fluoranthene       | 14.87 | 252  | 861605   | 51.002 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 14.89 | 252  | 749134   | 47.477 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 15.21 | 252  | 746106   | 49.732 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.63 | 278  | 598268   | 47.465 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.02 | 276  | 580908   | 46.098 | ng    | # 92     |

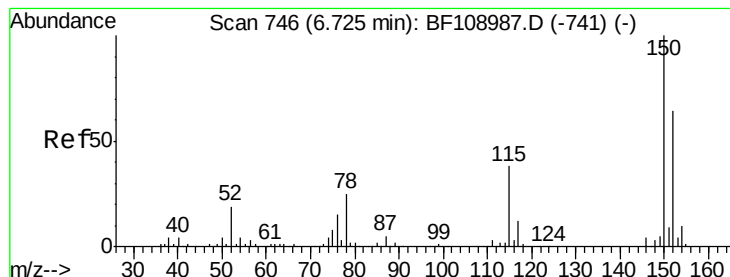
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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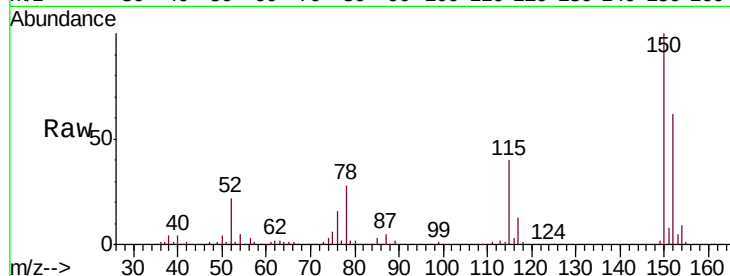


#1

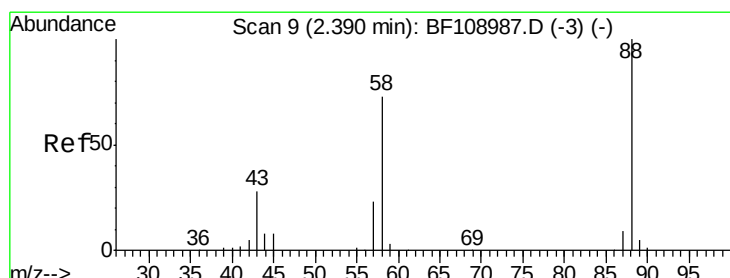
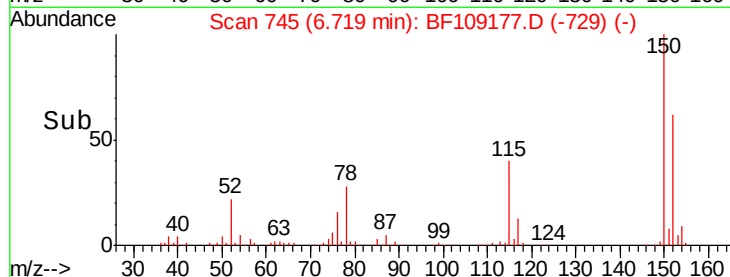
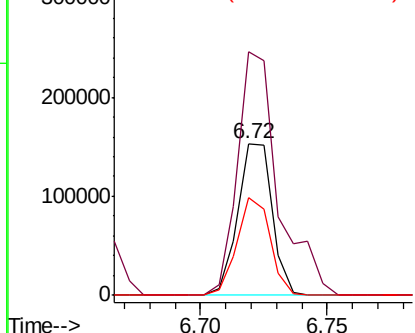
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 124.6 | 186.8 |
| 115     | 64.2  | 50.1  | 75.1  |



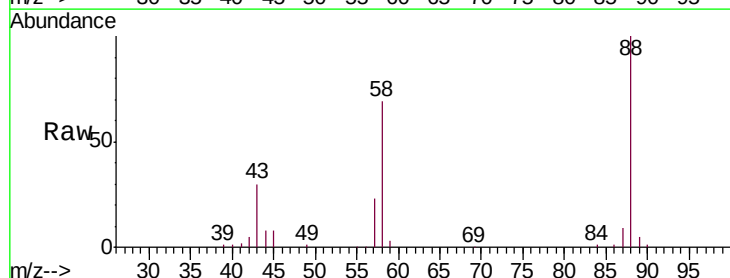
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



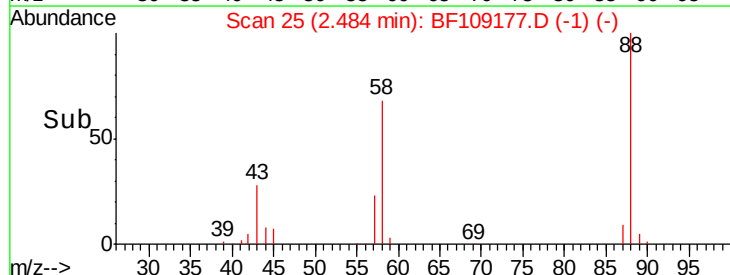
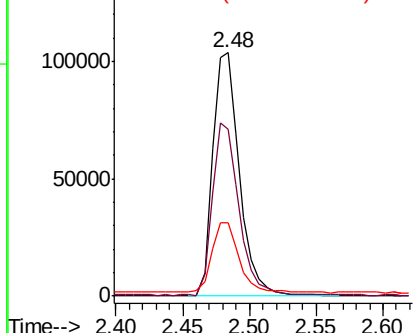
#2

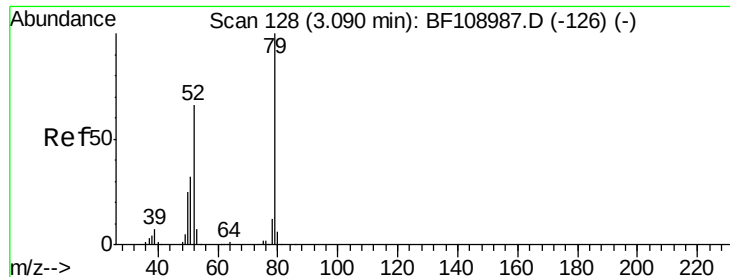
1,4-Dioxane  
 Concen: 35.291 ng  
 RT: 2.48 min Scan# 25  
 Delta R.T. 0.09 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 69.3  | 62.6  | 93.8  |
| 43      | 29.5  | 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: 35.415 ng

RT: 3.18 min Scan# 143

Delta R.T. 0.09 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

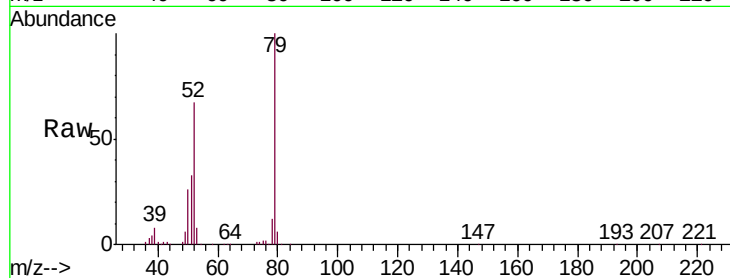
Tgt Ion: 79 Resp: 389980

Ion Ratio Lower Upper

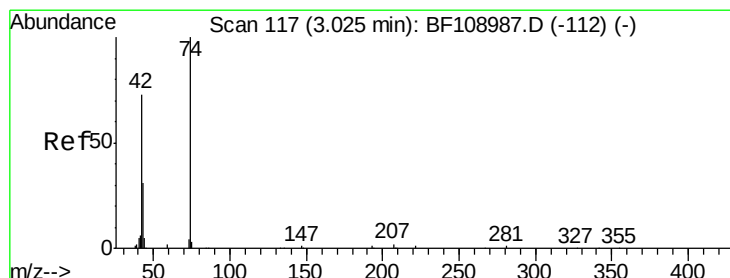
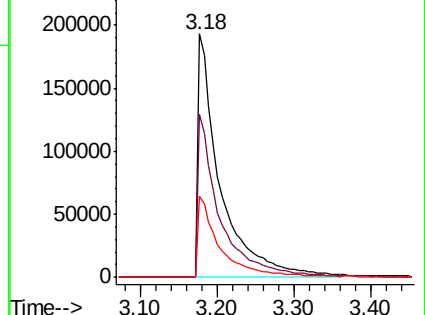
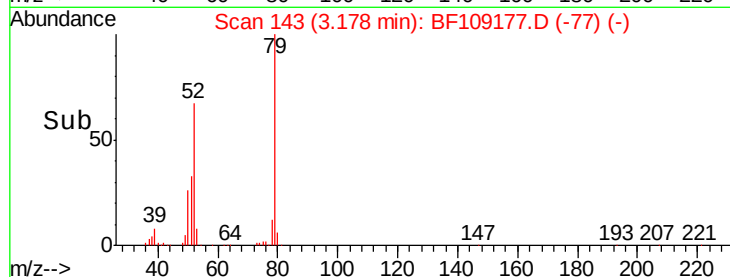
79 100

52 66.9 59.8 89.6

51 33.1 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: 47.742 ng

RT: 3.13 min Scan# 134

Delta R.T. 0.10 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

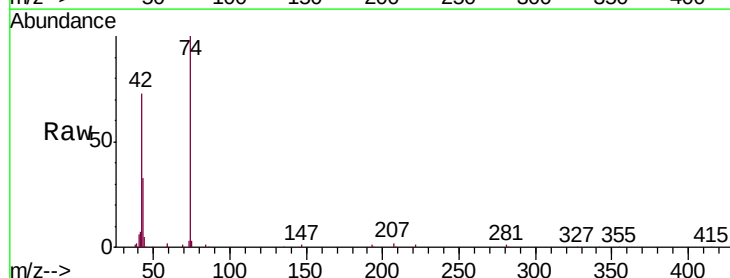
Tgt Ion: 42 Resp: 198555

Ion Ratio Lower Upper

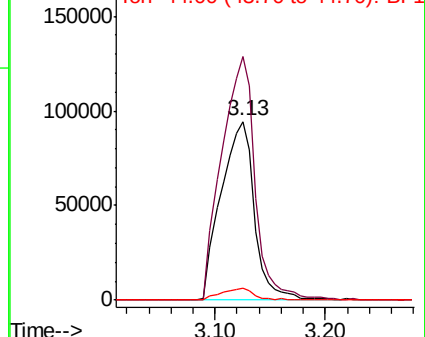
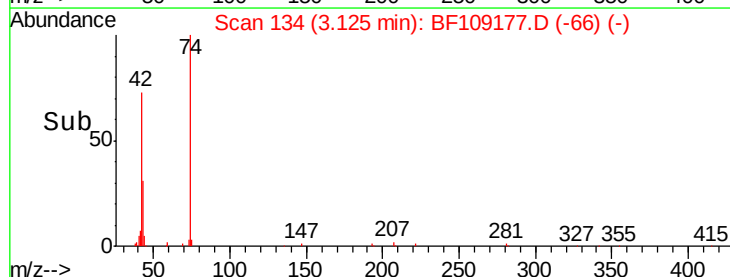
42 100

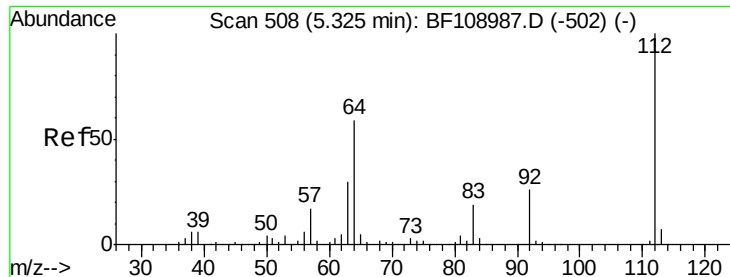
74 136.1 104.9 157.3

44 6.4 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: 81.345 ng

RT: 5.34 min Scan# 511

Delta R.T. 0.02 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

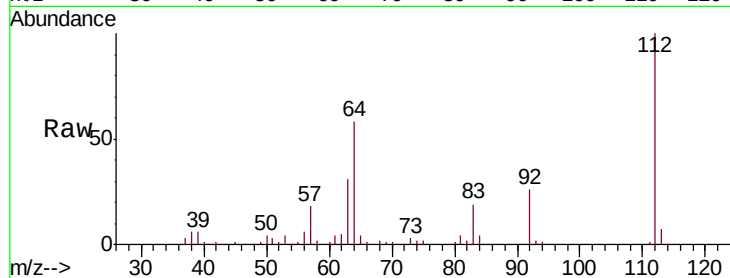
Instrument :

BNA\_F

ClientSampleId :

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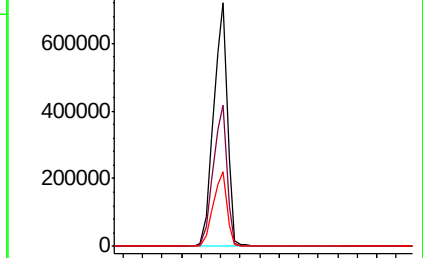
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 709861 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 58.1  | 47.9  | 71.9   |
| 63       | 30.5  | 23.7  | 35.5   |



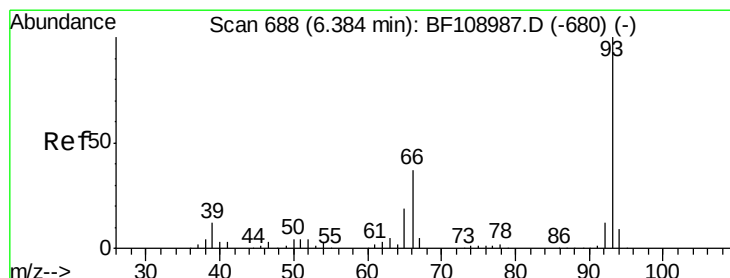
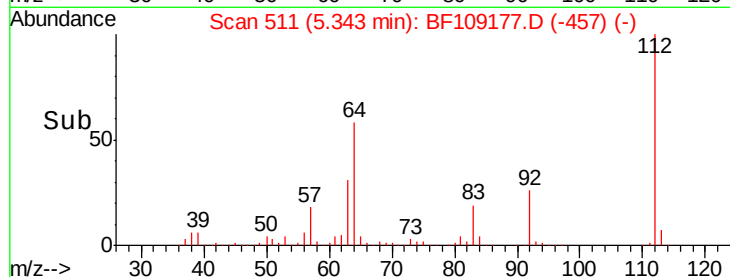
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->



#6

Aniline

Concen: 20.594 ng

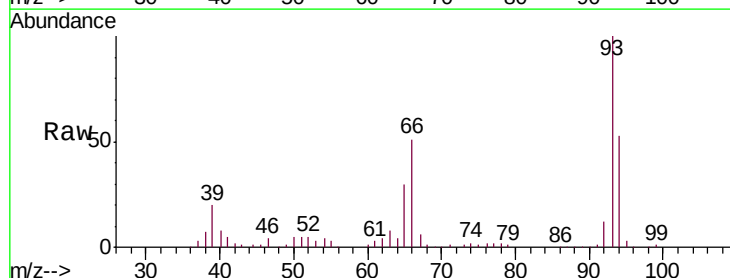
RT: 6.38 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

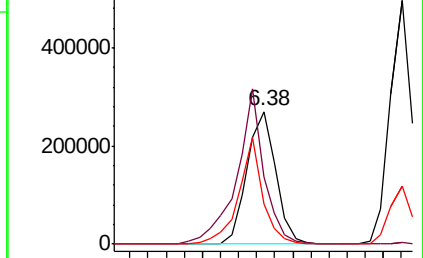
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 299522 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 50.8  | 32.2  | 48.2#  |
| 65       | 29.9  | 16.4  | 24.6#  |



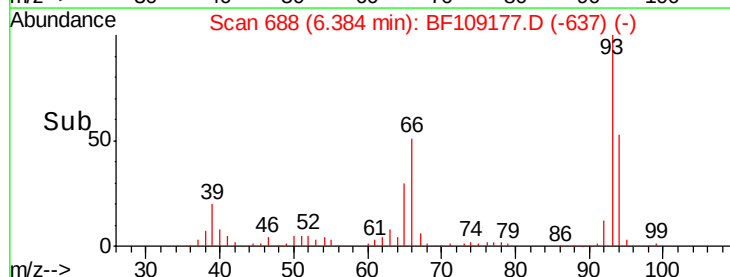
Abundance Ion 93.00 (92.70 to 93.70): BF1

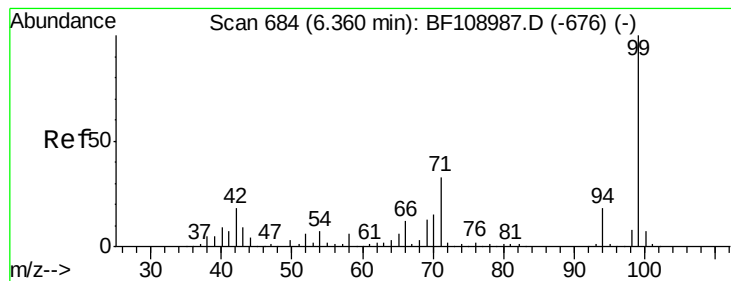
Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



Time-->





#7

Phenol-d6

Concen: 79.621 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF109177.D

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Instrument :

BNA\_F

ClientSampleId :

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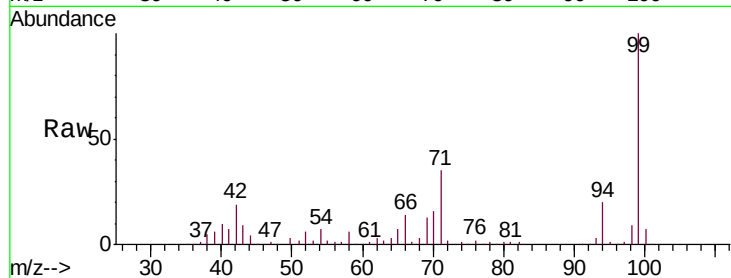
Tgt Ion: 99 Resp: 895930

Ion Ratio Lower Upper

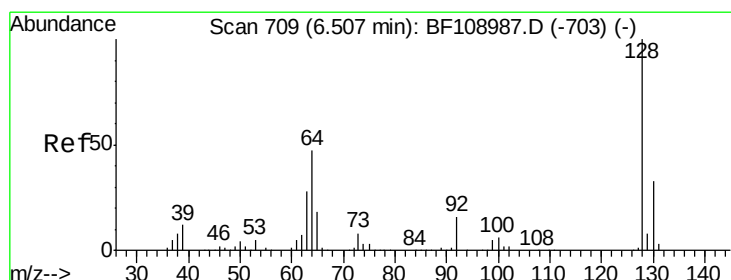
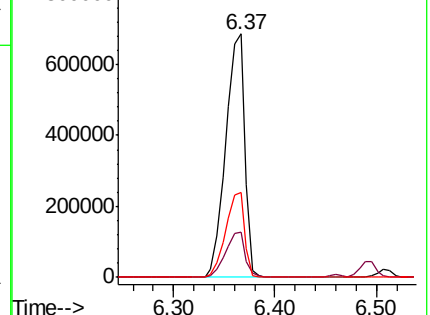
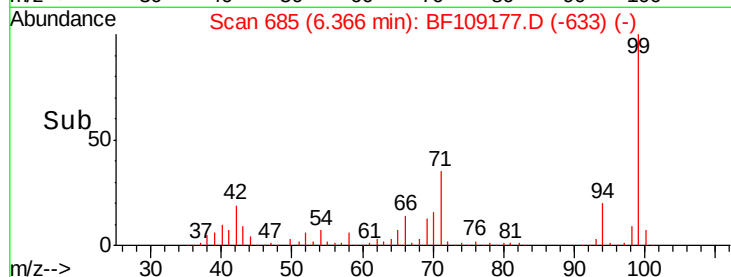
99 100

42 18.8 14.5 21.7

71 35.1 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: 41.427 ng

RT: 6.51 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

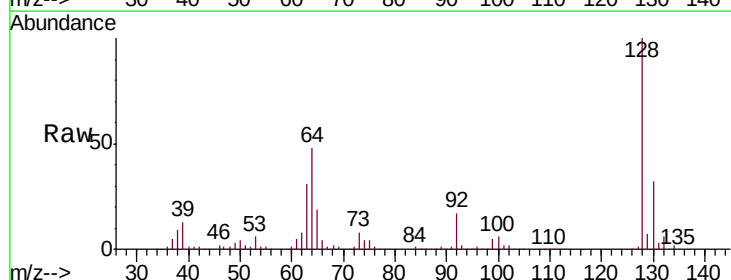
Tgt Ion: 128 Resp: 404566

Ion Ratio Lower Upper

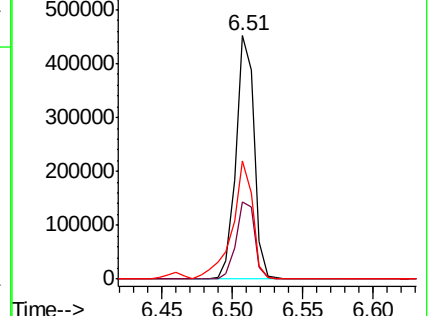
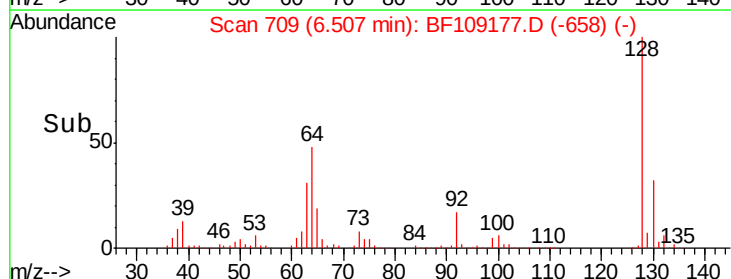
128 100

130 31.9 13.0 53.0

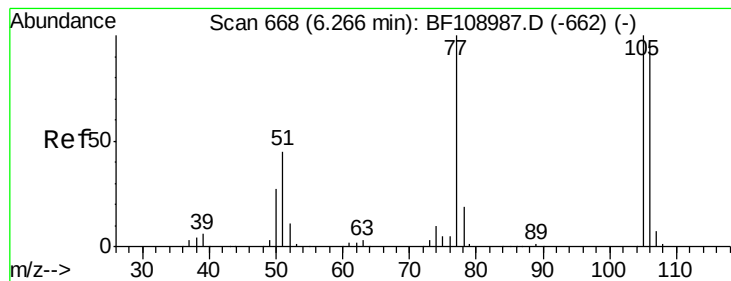
64 48.4 29.4 69.4



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: 22.443 ng

RT: 6.27 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

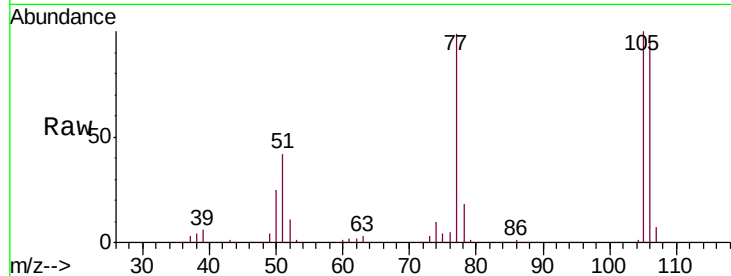
Tgt Ion: 77 Resp: 161291

Ion Ratio Lower Upper

77 100

105 101.0 81.1 121.1

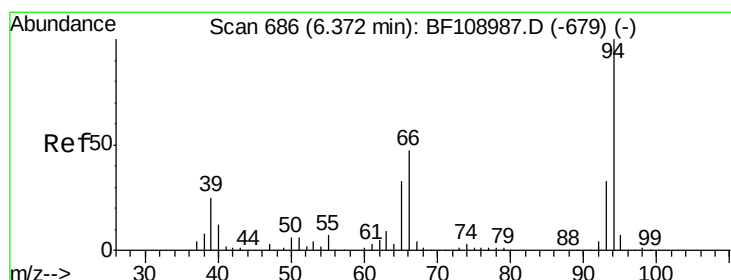
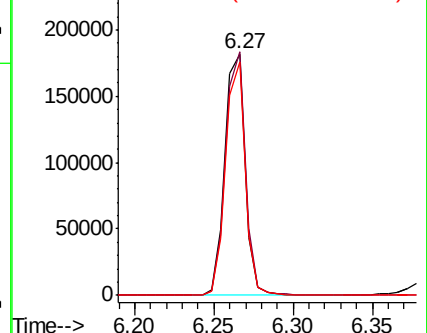
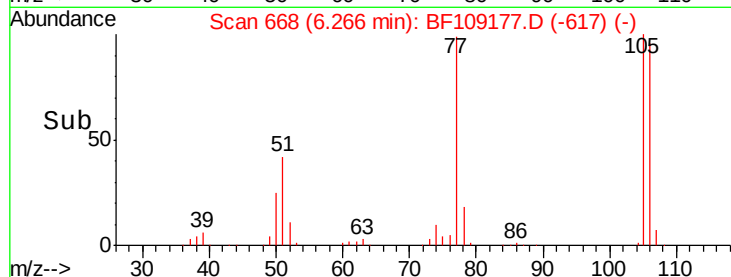
106 96.9 74.5 114.5



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: 38.901 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

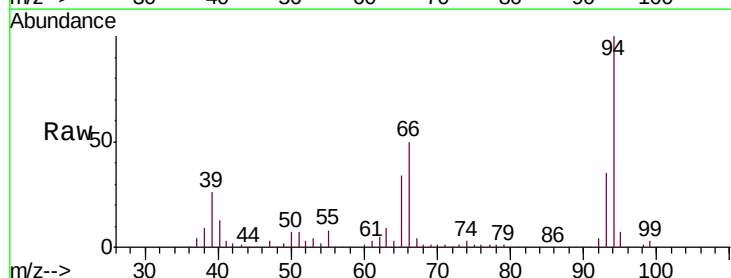
Tgt Ion: 94 Resp: 492532

Ion Ratio Lower Upper

94 100

65 34.4 7.9 47.9

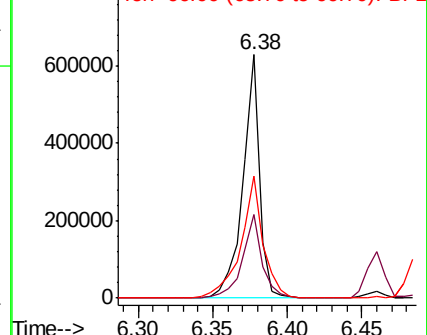
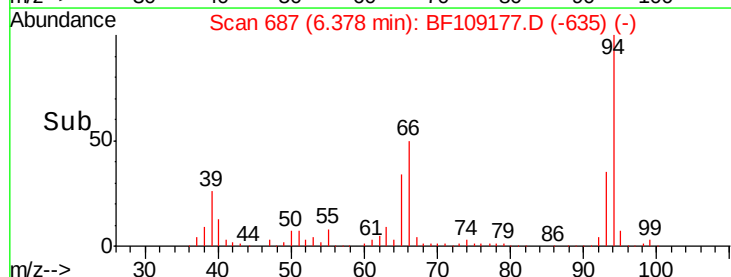
66 50.3 16.2 56.2



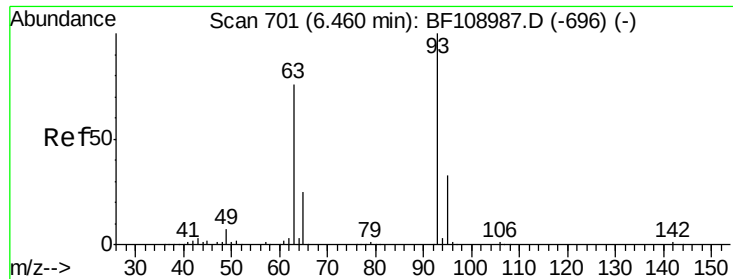
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



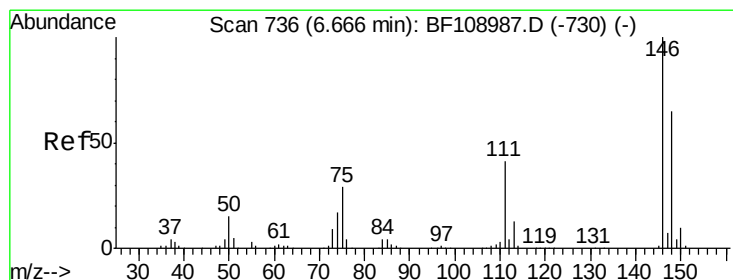
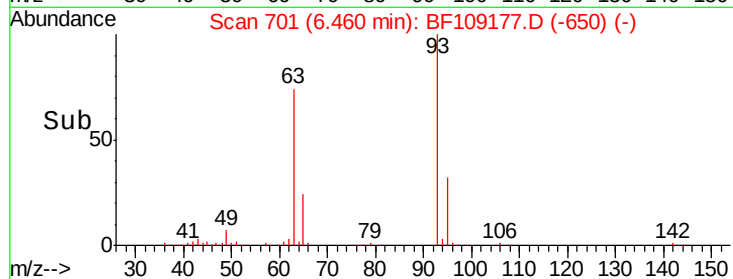
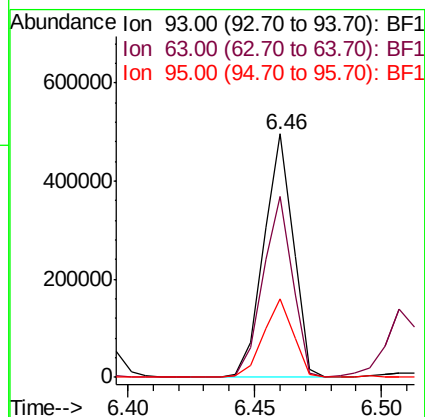
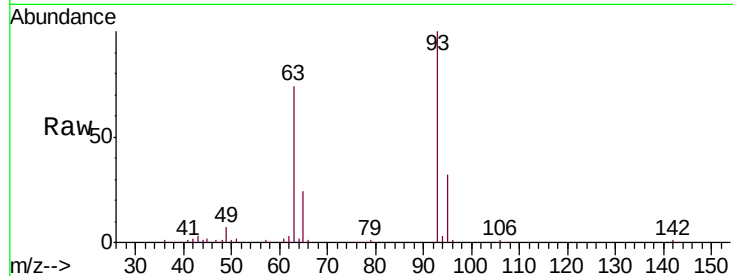




#11  
bis(2-Chloroethyl)ether  
Concen: 40.283 ng  
RT: 6.46 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

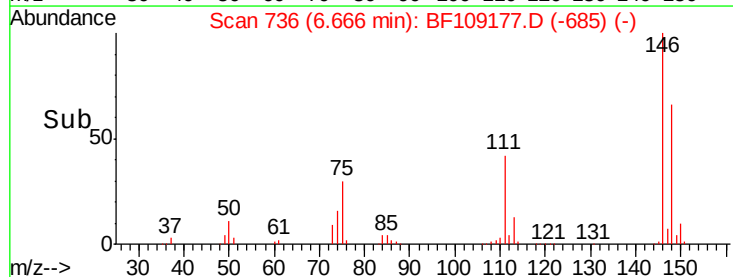
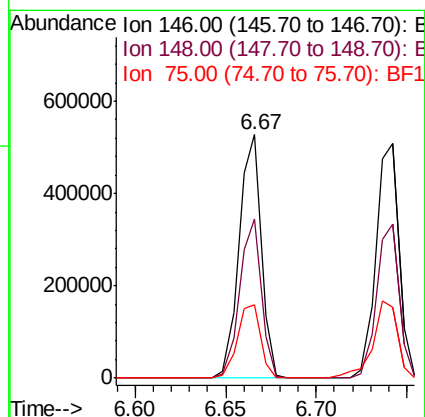
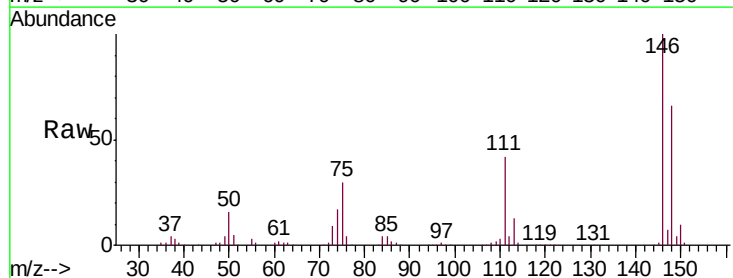
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

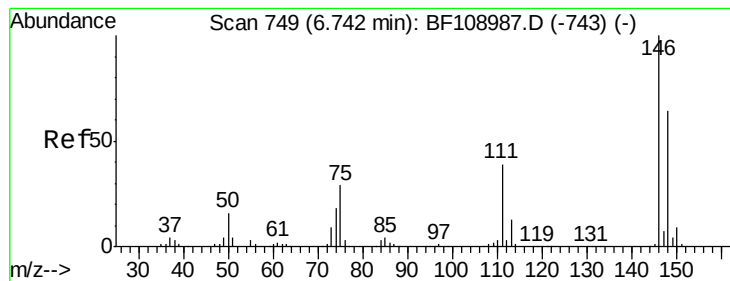
Tgt Ion: 93 Resp: 401247  
Ion Ratio Lower Upper  
93 100  
63 74.3 58.6 98.6  
95 32.1 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 40.216 ng  
RT: 6.67 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Tgt Ion: 146 Resp: 449148  
Ion Ratio Lower Upper  
146 100  
148 65.6 51.8 77.8  
75 30.0 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 40.138 ng

RT: 6.74 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

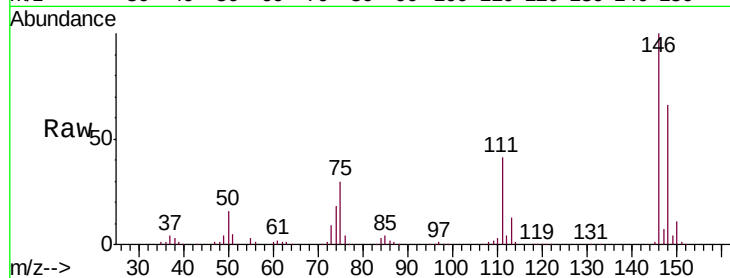
Tgt Ion:146 Resp: 449712

Ion Ratio Lower Upper

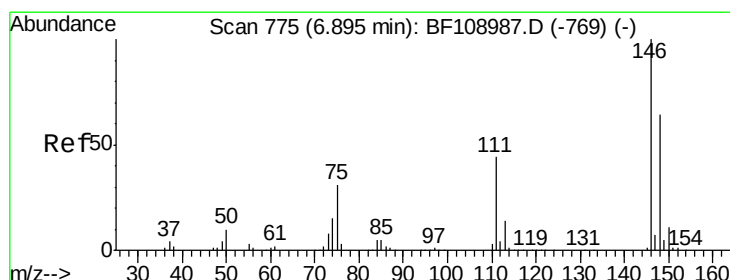
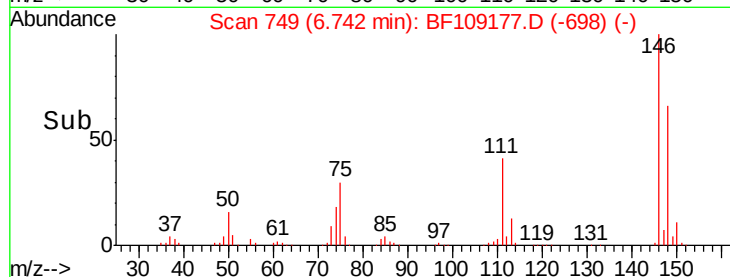
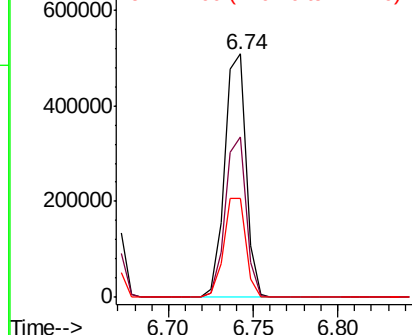
146 100

148 65.7 50.8 76.2

111 40.7 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.598 ng

RT: 6.90 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

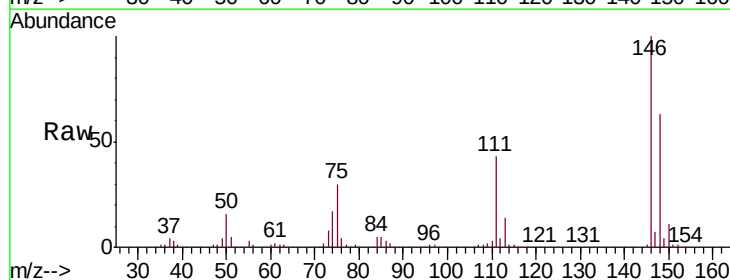
Tgt Ion:146 Resp: 421698

Ion Ratio Lower Upper

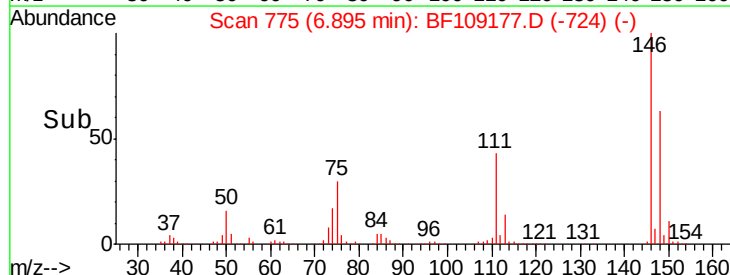
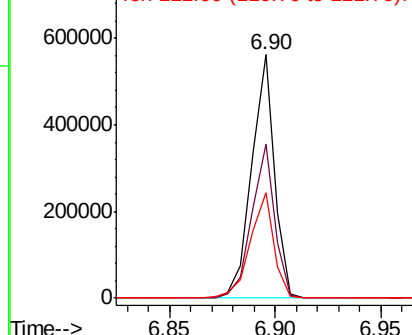
146 100

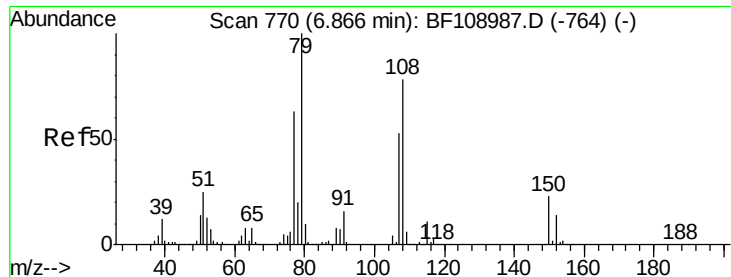
148 63.4 50.6 75.8

111 43.1 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

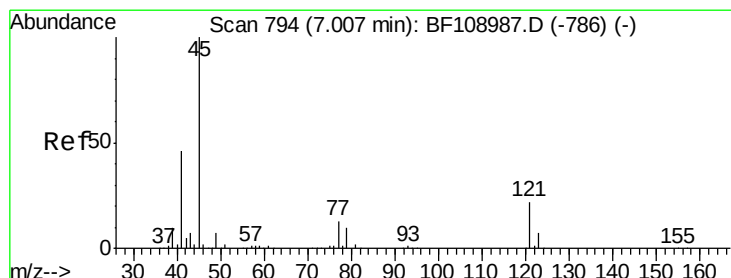
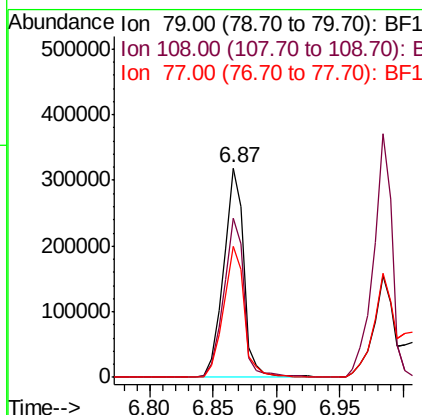
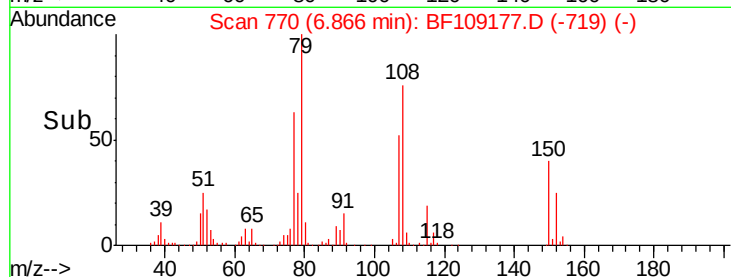
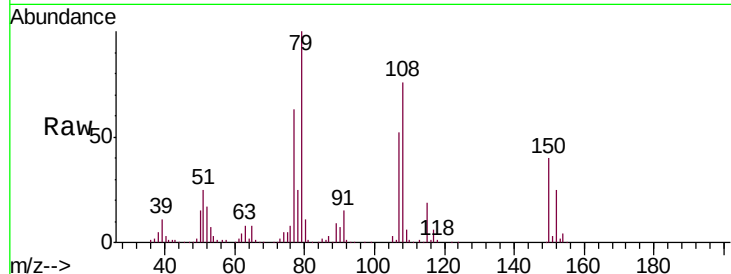




#15  
Benzyl Alcohol  
Concen: 41.275 ng  
RT: 6.87 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

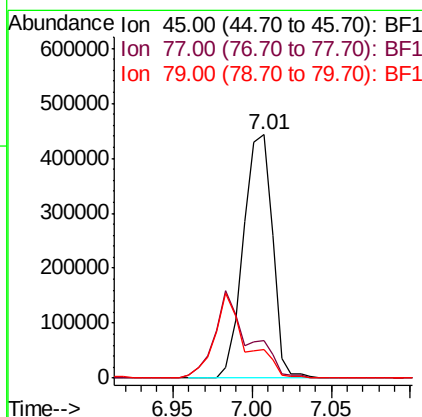
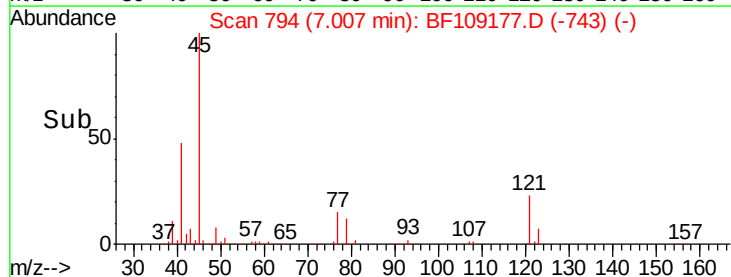
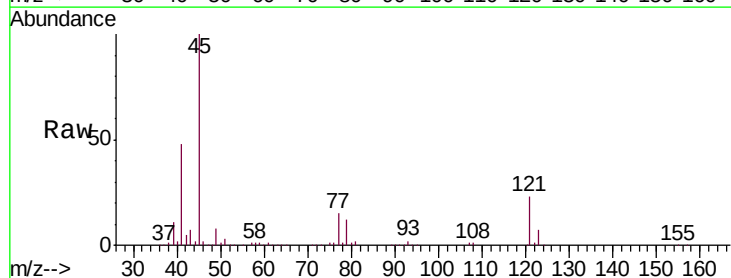
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

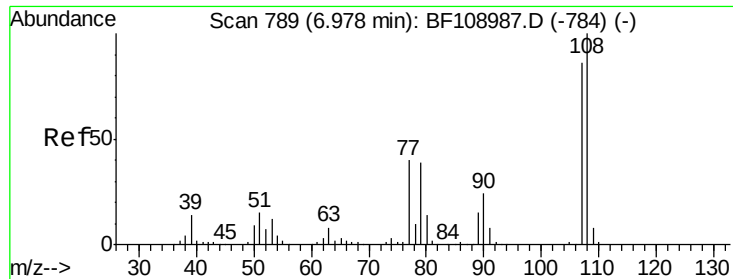
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 76.0  | 65.1  | 97.7  |
| 77      | 62.8  | 50.6  | 75.8  |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.554 ng  
RT: 7.01 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.4  | 0.0   | 32.9  |
| 79      | 12.0  | 0.0   | 29.6  |

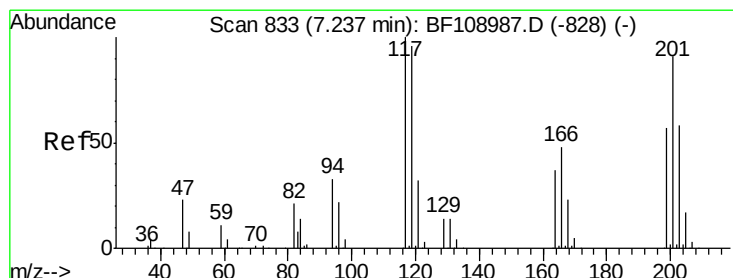
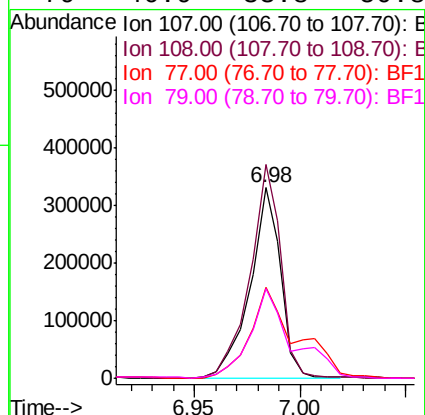
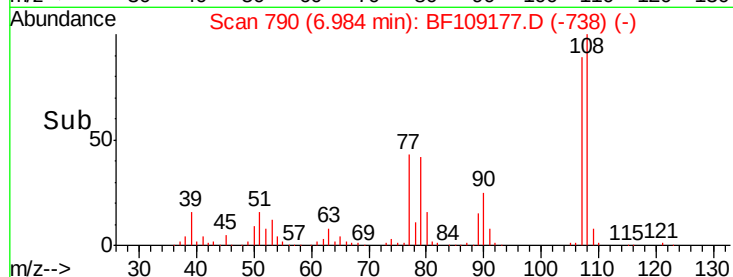
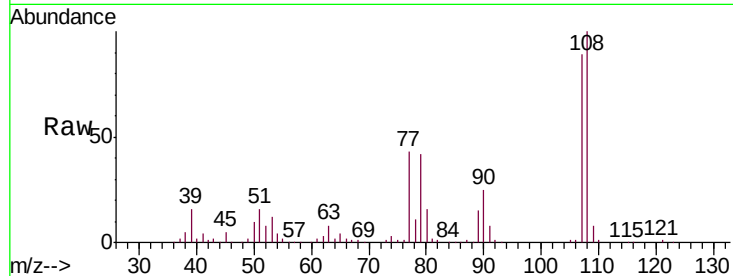




#17  
2-Methylphenol  
Concen: 41.924 ng  
RT: 6.98 min Scan# 790  
Delta R.T. 0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

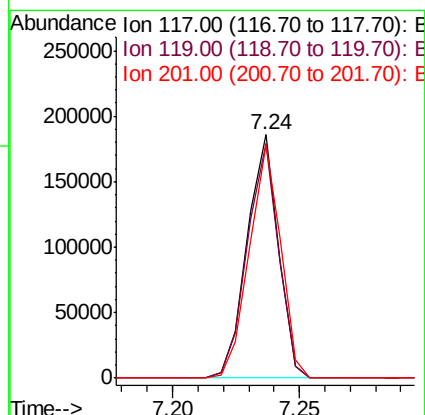
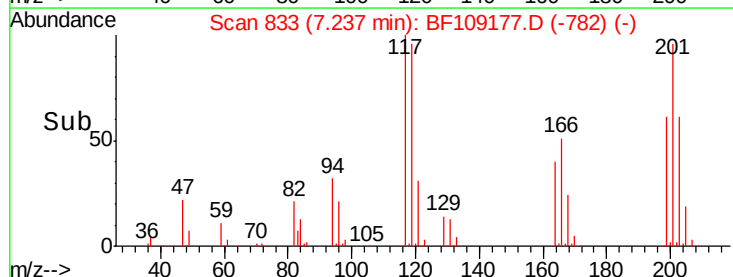
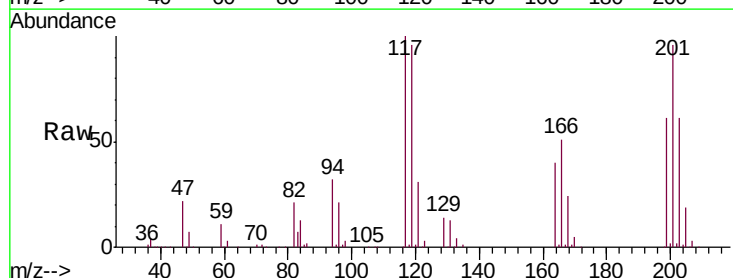
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

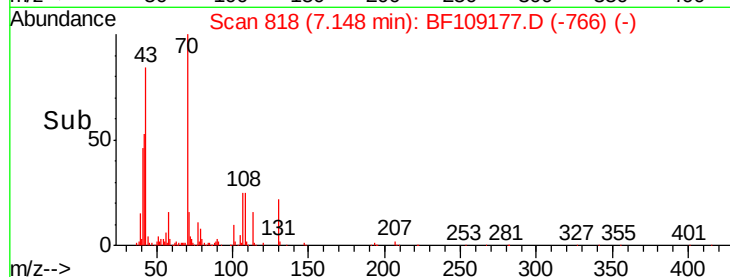
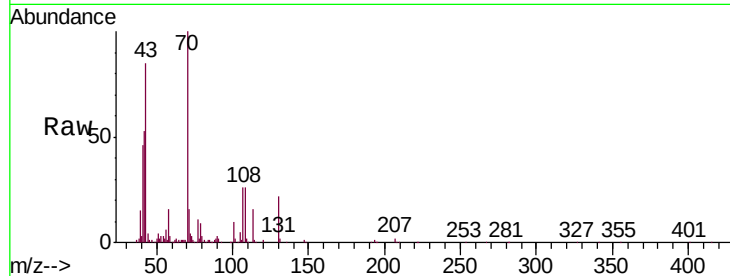
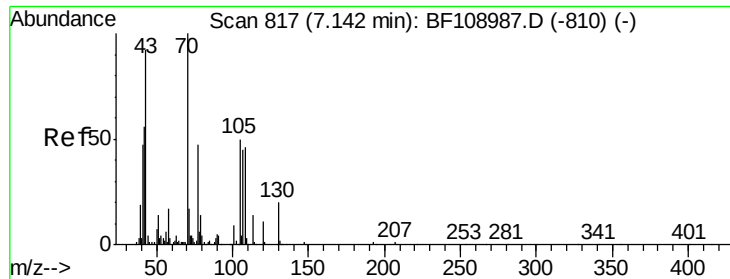
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 334029 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.1 | 91.7  | 137.5  |
| 77       | 48.0  | 33.8  | 50.8   |
| 79       | 46.9  | 33.8  | 50.8   |



#18  
Hexachloroethane  
Concen: 39.137 ng  
RT: 7.24 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 159259 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.4  | 75.8  | 113.8  |
| 201      | 95.8  | 75.7  | 113.5  |

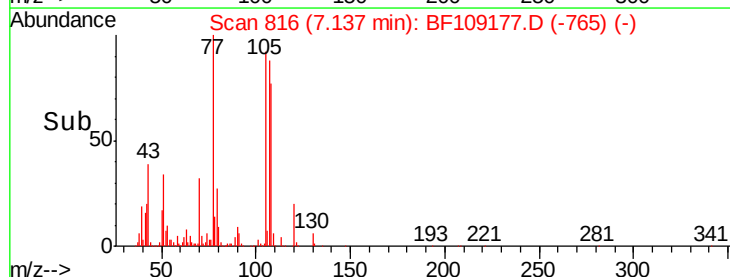
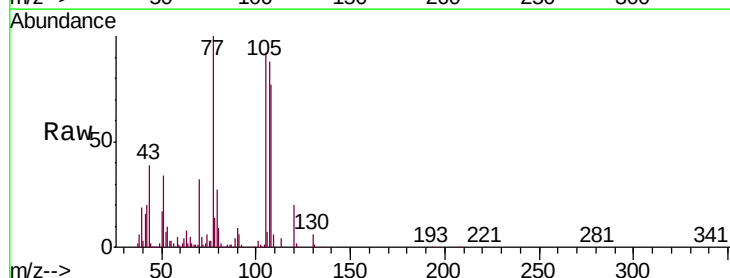
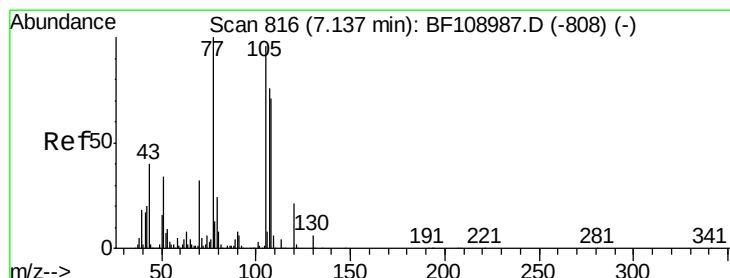
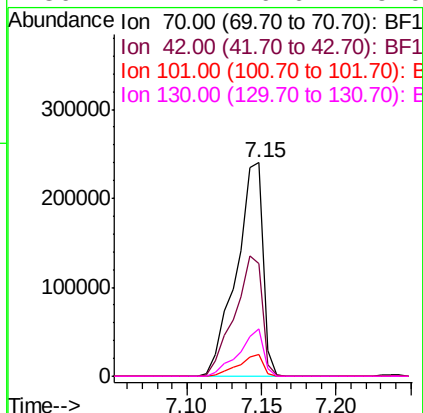




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.121 ng  
RT: 7.15 min Scan# 818  
Delta R.T. 0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

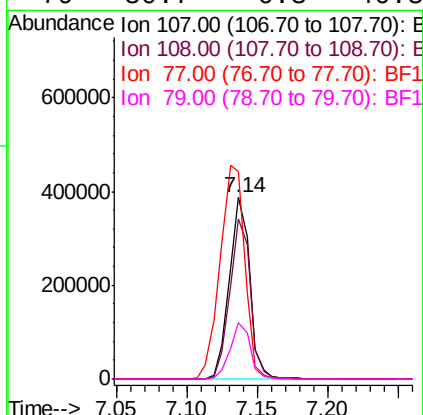
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

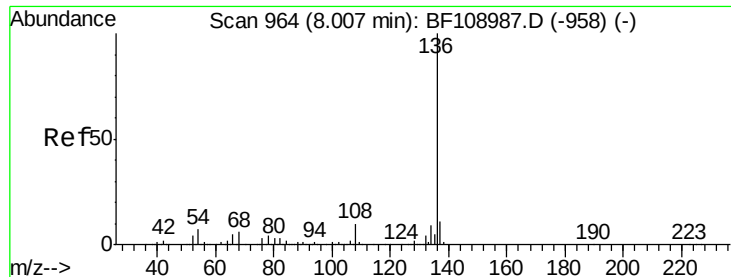
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 298417 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.8  | 47.5  | 71.3   |
| 101      | 10.1  | 7.4   | 11.2   |
| 130      | 22.4  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 40.783 ng  
RT: 7.14 min Scan# 816  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 391346 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.8  | 68.2  | 108.2  |
| 77       | 114.1 | 26.7  | 66.7#  |
| 79       | 30.7  | 6.3   | 46.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

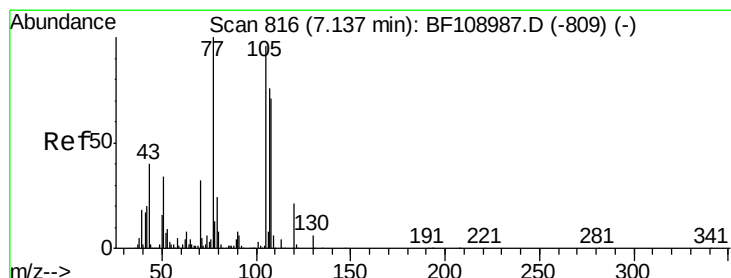
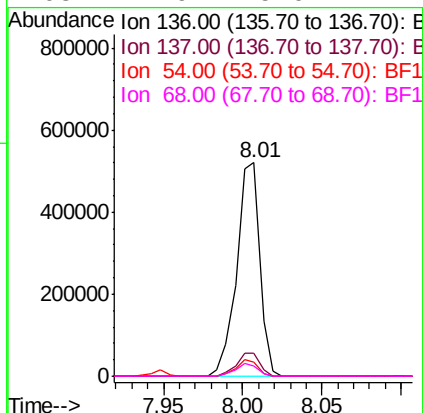
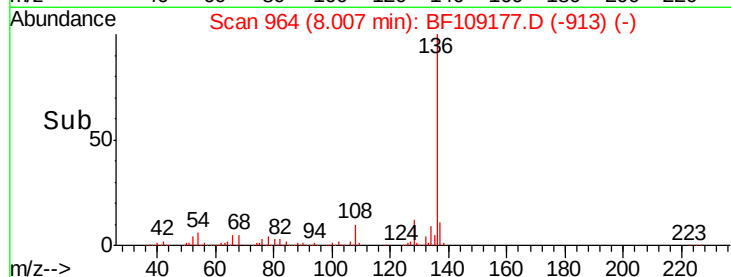
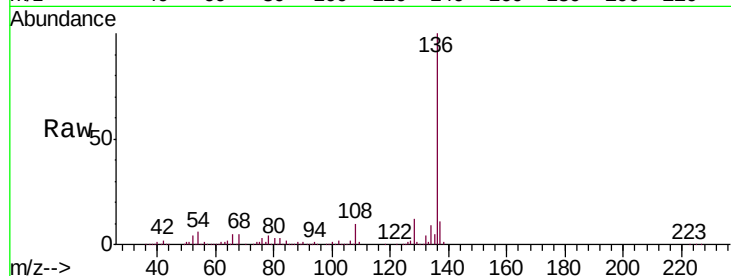
Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 526378 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.9   | 13.3   |
| 54        | 6.5   | 6.6   | 9.8#   |
| 68        | 4.9   | 5.0   | 7.4#   |



#22

Acetophenone

Concen: 46.093 ng

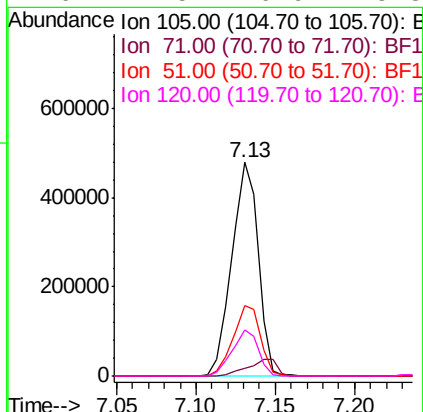
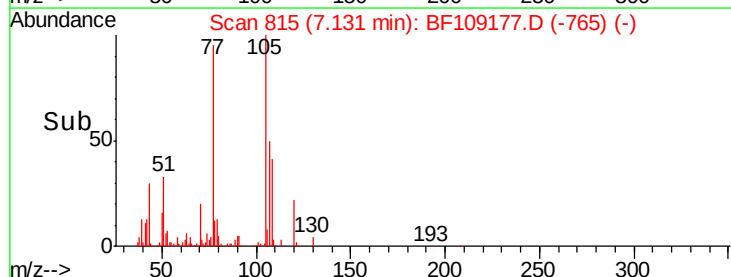
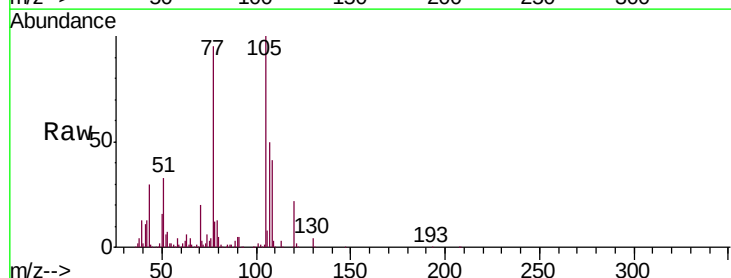
RT: 7.13 min Scan# 815

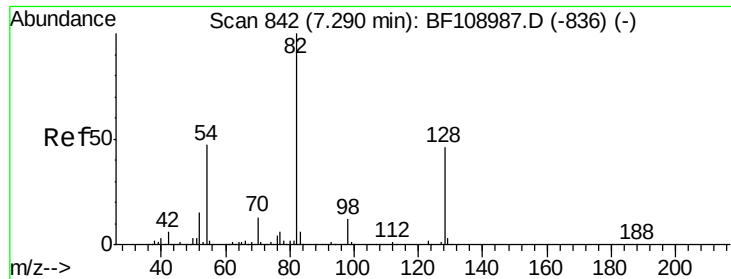
Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 550998 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 3.4   | 4.4   | 6.6#   |
| 51        | 33.2  | 22.3  | 33.5   |
| 120       | 21.5  | 16.9  | 25.3   |

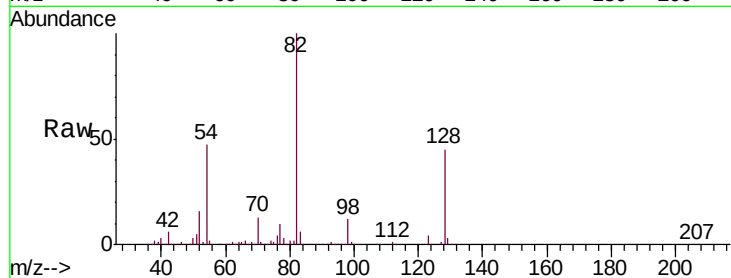




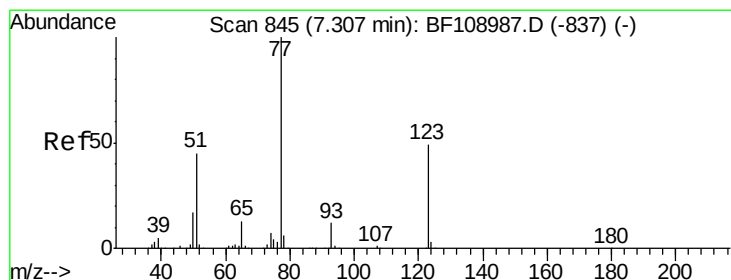
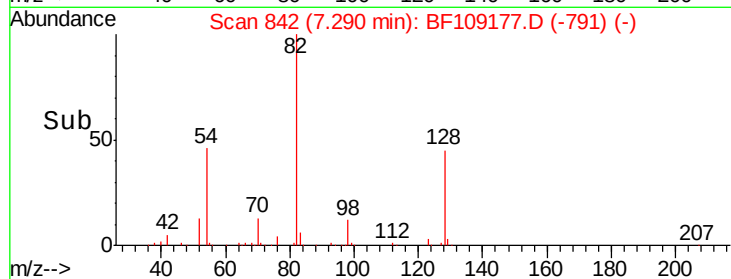
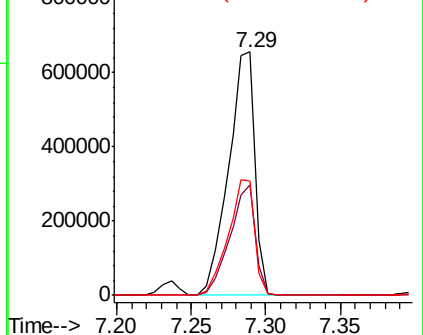
#23  
 Nitrobenzene-d5  
 Concen: 86.446 ng  
 RT: 7.29 min Scan# 842  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.3  | 36.1  | 54.1  |
| 54      | 46.9  | 41.4  | 62.2  |

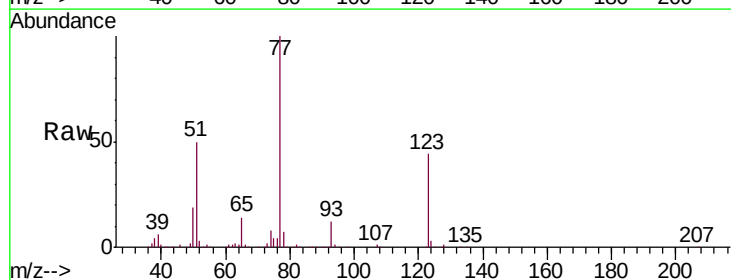


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

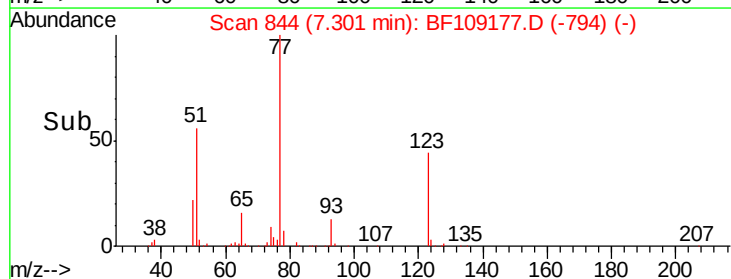
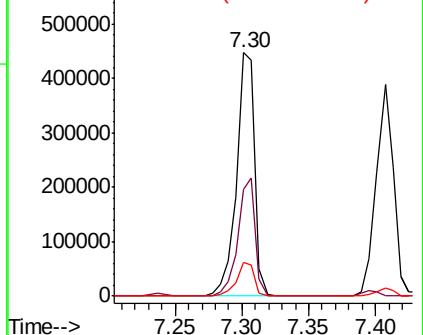


#24  
 Nitrobenzene  
 Concen: 44.296 ng  
 RT: 7.30 min Scan# 844  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

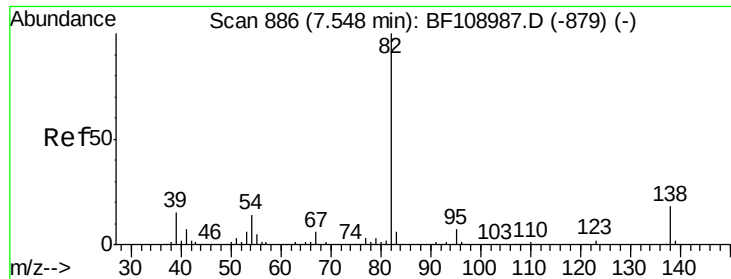
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.0  | 37.9  | 56.9  |
| 65      | 13.6  | 11.0  | 16.4  |



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: 49.300 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

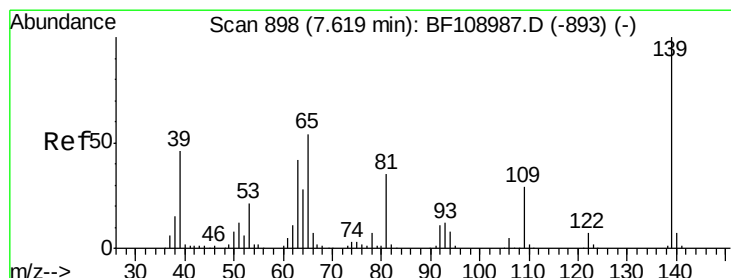
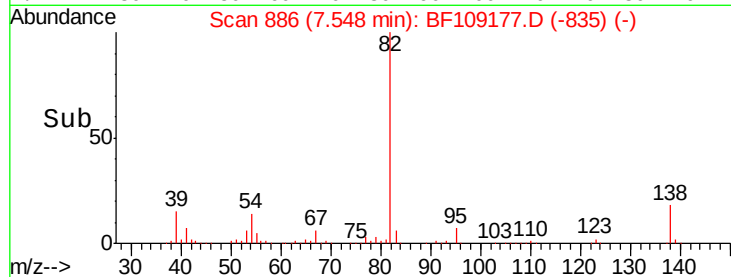
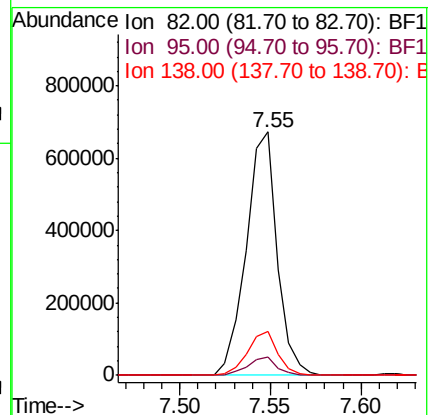
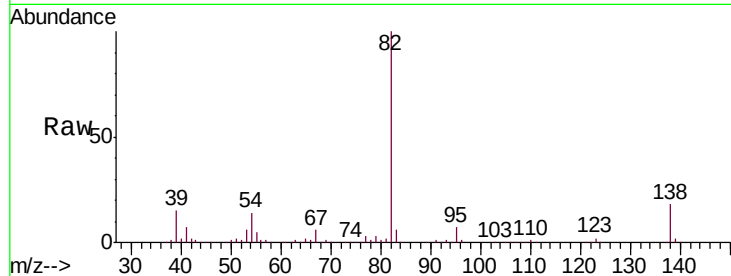
Tgt Ion: 82 Resp: 795323

Ion Ratio Lower Upper

82 100

95 7.3 5.2 7.8

138 18.2 14.9 22.3



#26

2-Nitrophenol

Concen: 34.755 ng

RT: 7.62 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

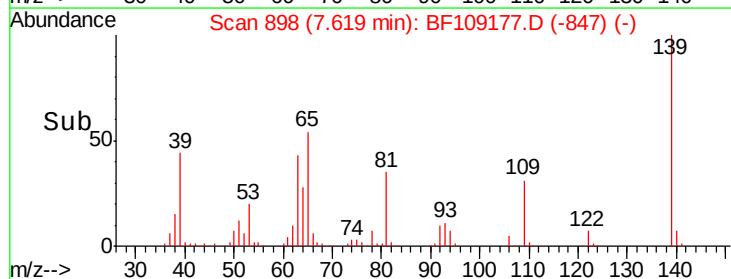
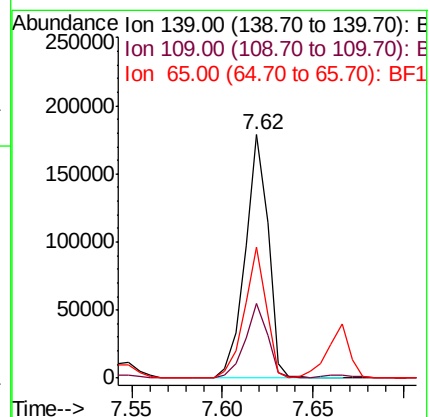
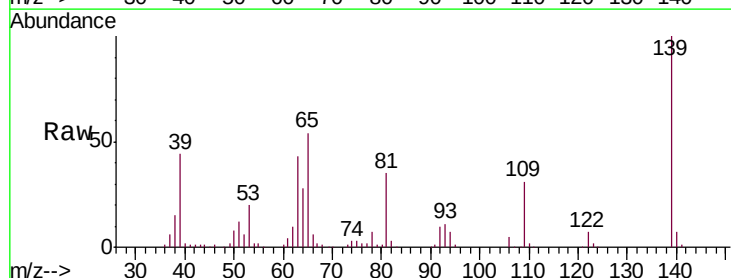
Tgt Ion: 139 Resp: 157027

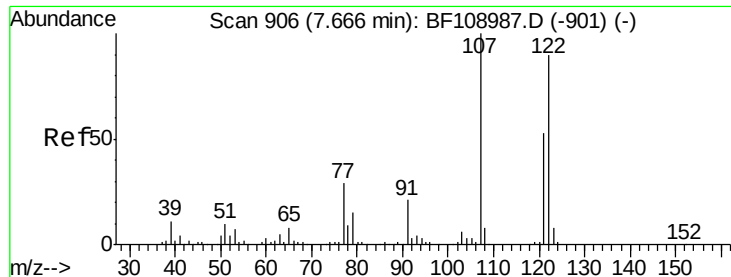
Ion Ratio Lower Upper

139 100

109 30.6 22.7 34.1

65 53.9 40.5 60.7

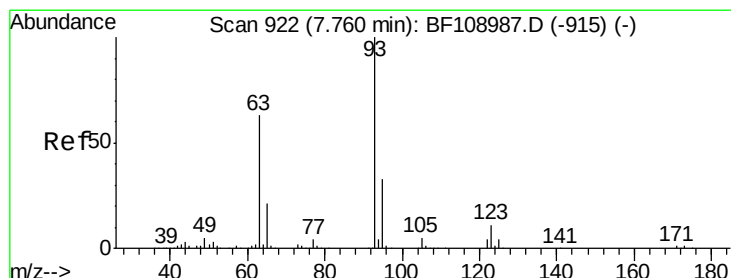
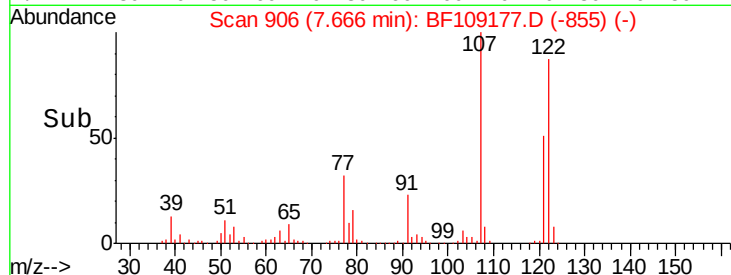
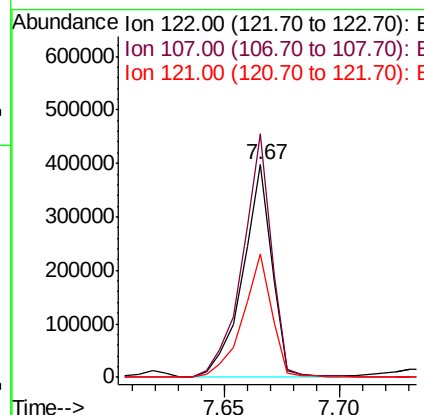
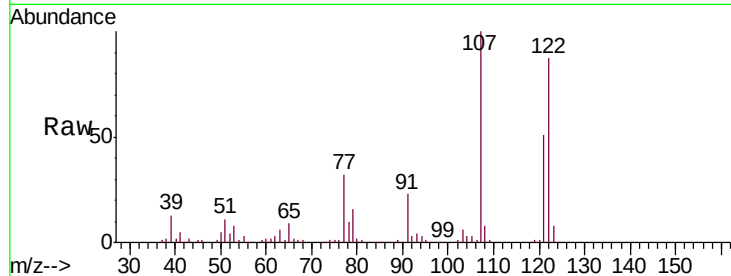




#27  
 2,4-Dimethylphenol  
 Concen: 49.613 ng  
 RT: 7.67 min Scan# 906  
 Delta R.T. -0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

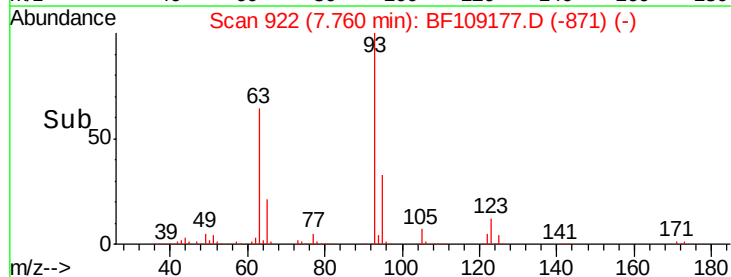
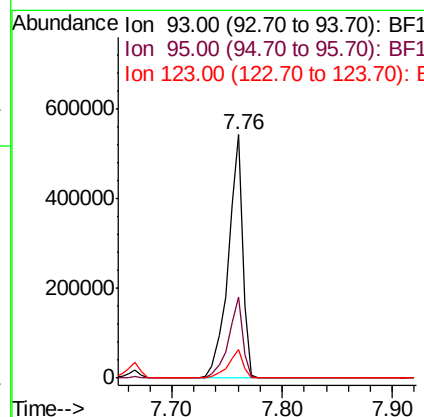
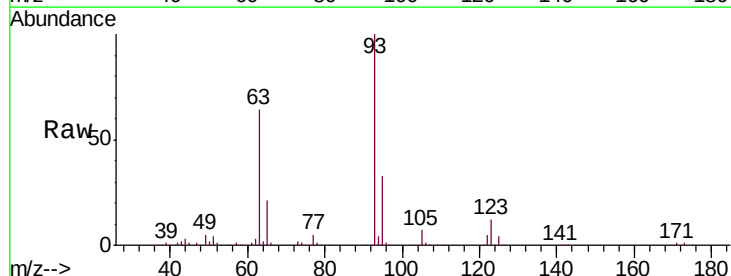
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

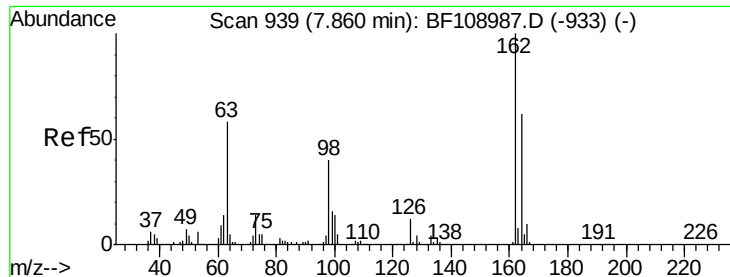
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 114.4 | 91.2  | 136.8 |
| 121     | 58.1  | 47.2  | 70.8  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.835 ng  
 RT: 7.76 min Scan# 922  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.3  | 26.3  | 39.5  |
| 123     | 11.9  | 9.8   | 14.6  |

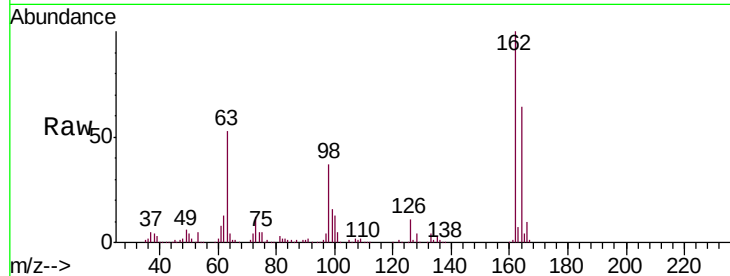




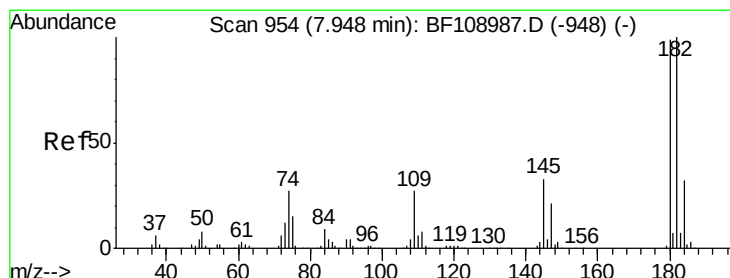
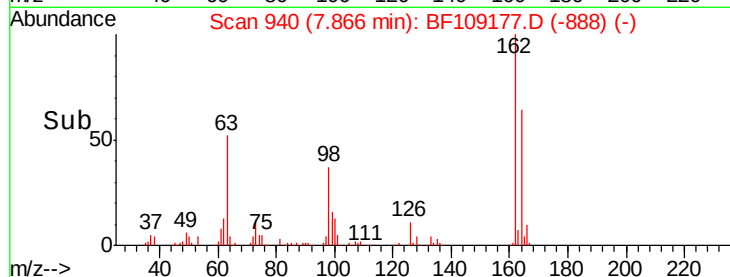
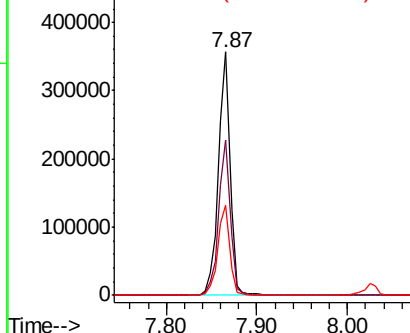
#29  
 2,4-Dichlorophenol  
 Concen: 41.947 ng  
 RT: 7.87 min Scan# 940  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.6  | 42.7  | 82.7  |
| 98      | 37.0  | 18.1  | 58.1  |

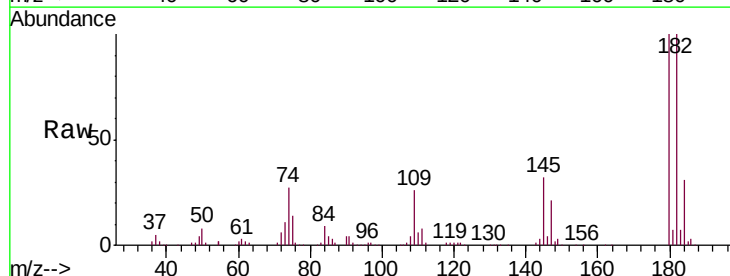


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

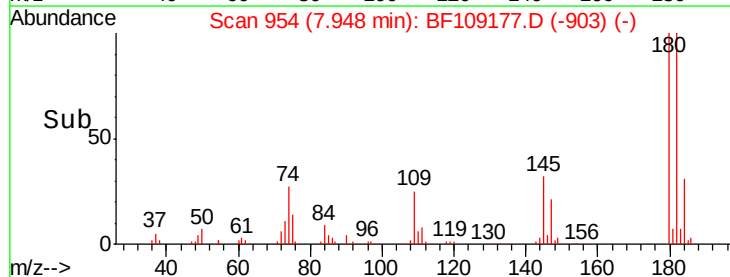
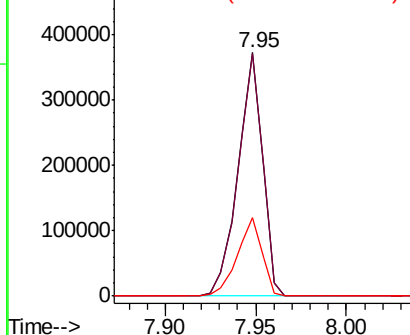


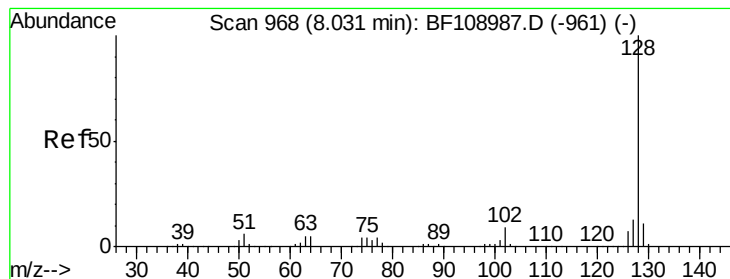
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.857 ng  
 RT: 7.95 min Scan# 954  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.6  | 76.8  | 115.2 |
| 145     | 32.1  | 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: 46.288 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

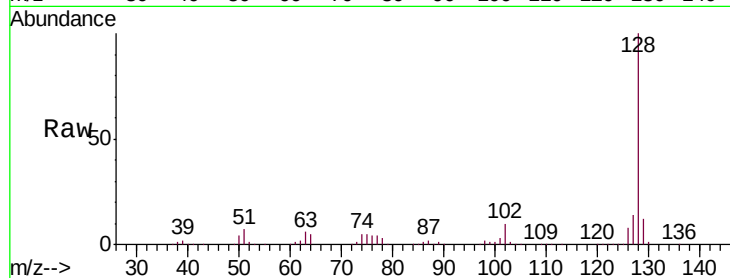
Tgt Ion:128 Resp: 1130868

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

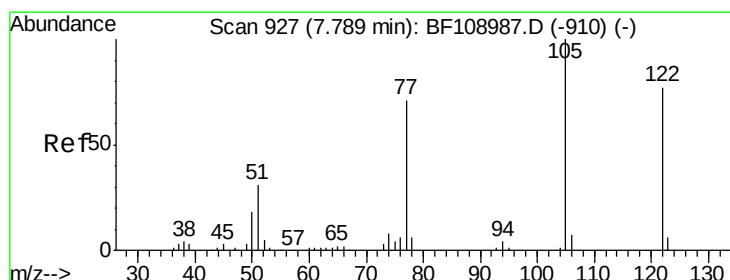
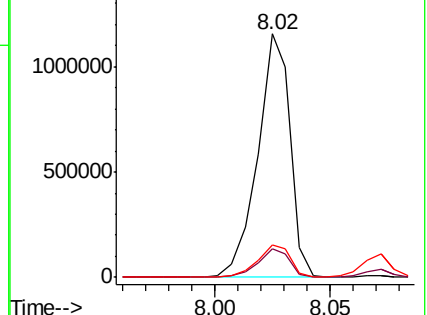
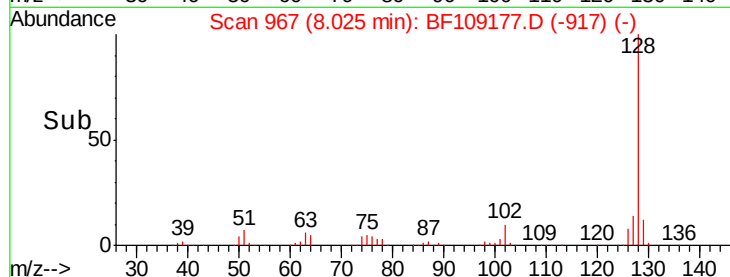
127 13.5 10.9 16.3



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: 8.061 ng

RT: 7.81 min Scan# 930

Delta R.T. 0.02 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

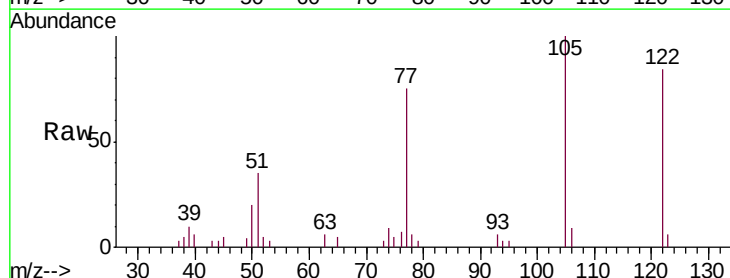
Tgt Ion:122 Resp: 37329

Ion Ratio Lower Upper

122 100

105 118.5 101.1 141.1

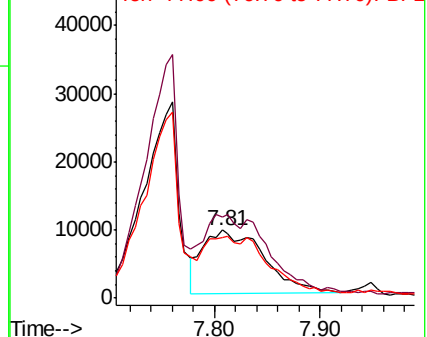
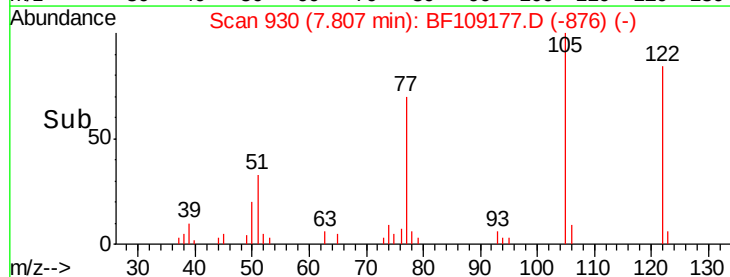
77 88.8 70.7 110.7

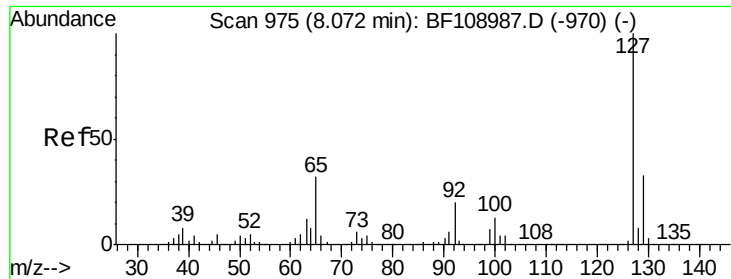


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

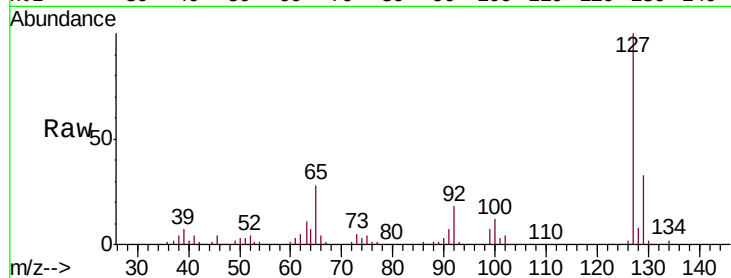




#33  
4-Chloroaniline  
Concen: 9.680 ng  
RT: 8.07 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 105154 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 25.9  | 38.9   |
| 65       | 28.0  | 25.0  | 37.4   |
| 92       | 17.8  | 15.2  | 22.8   |



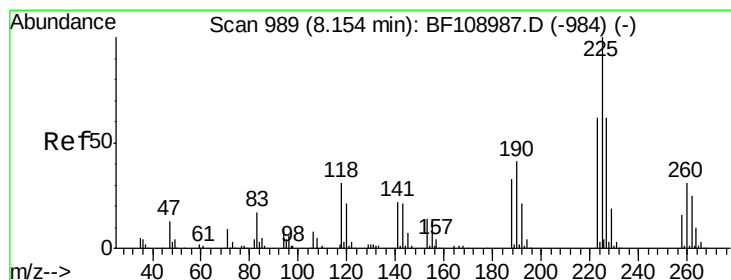
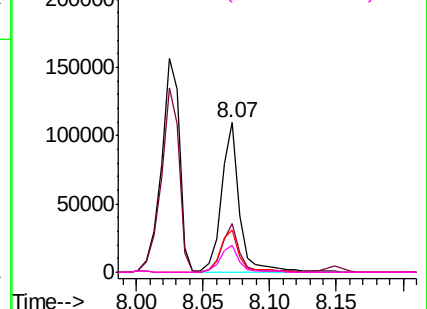
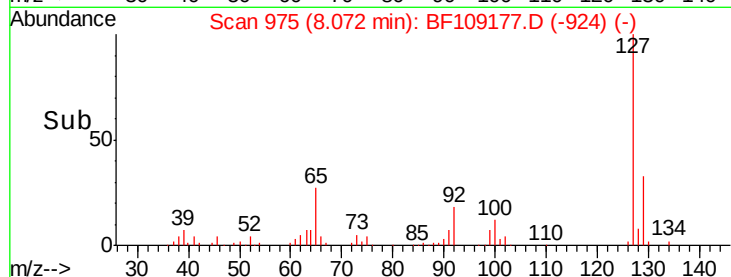
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

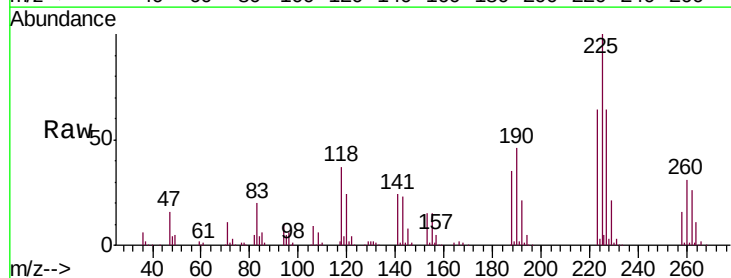
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 43.293 ng  
RT: 8.15 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 215775 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.1  | 50.6  | 76.0   |
| 227      | 64.3  | 51.9  | 77.9   |

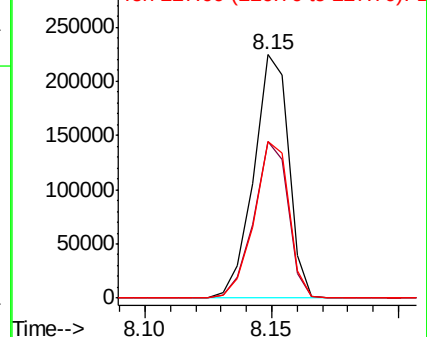
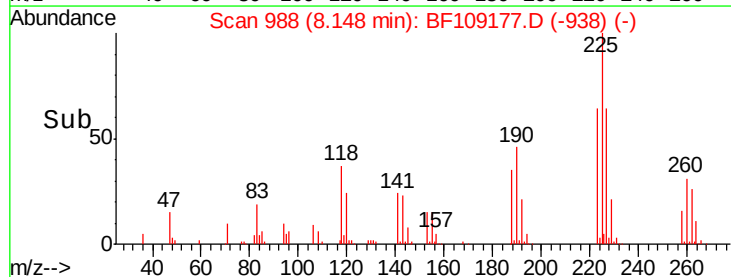


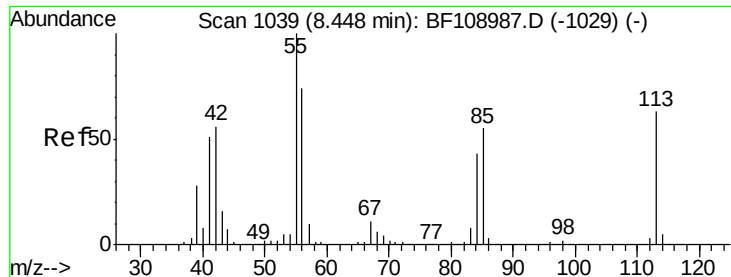
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

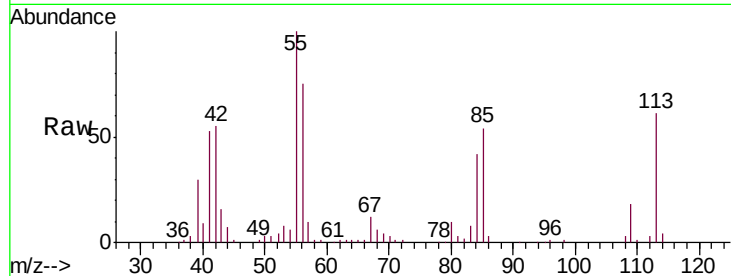




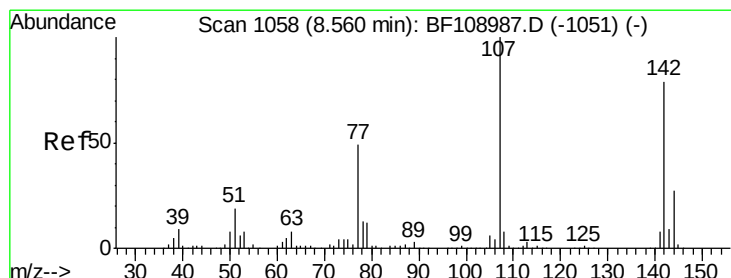
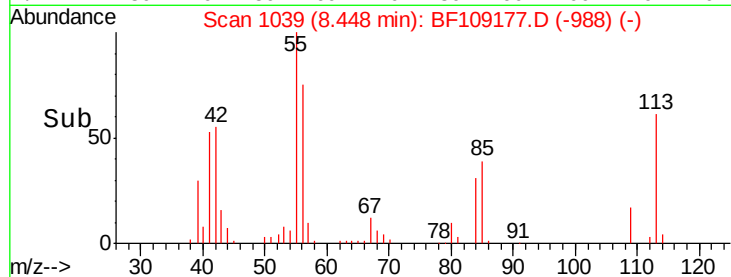
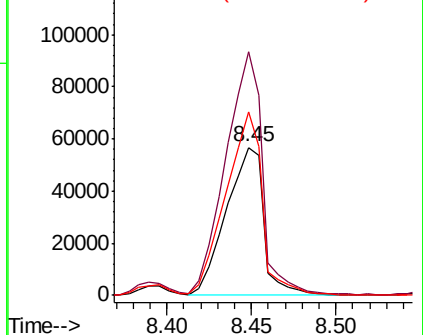
#35  
 Caprolactam  
 Concen: 35.705 ng  
 RT: 8.45 min Scan# 1039  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

Tgt Ion:113 Resp: 87916  
 Ion Ratio Lower Upper  
 113 100  
 55 164.6 163.3 203.3  
 56 123.8 115.7 155.7

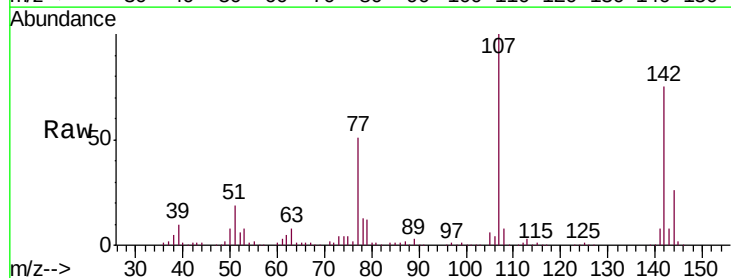


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

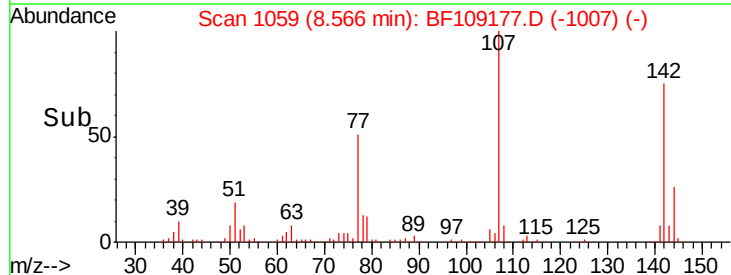
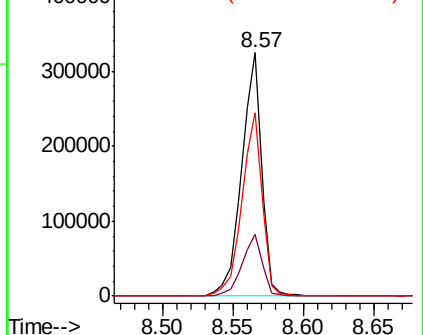


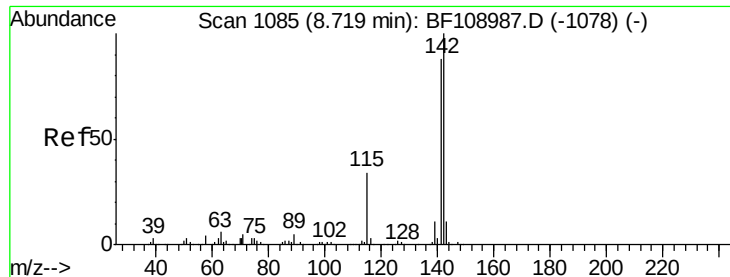
#36  
 4-Chloro-3-methylphenol  
 Concen: 40.568 ng  
 RT: 8.57 min Scan# 1059  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion:107 Resp: 322534  
 Ion Ratio Lower Upper  
 107 100  
 144 25.5 20.5 30.7  
 142 75.4 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

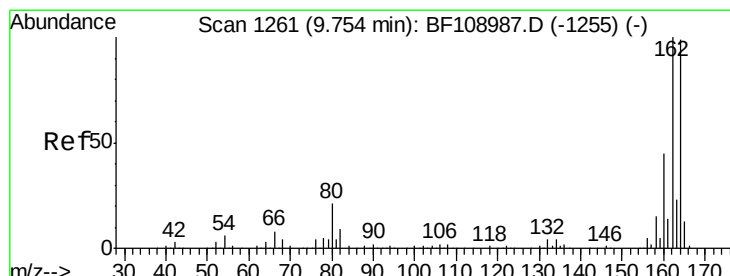
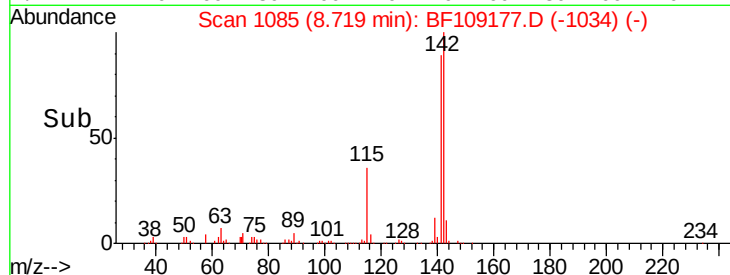
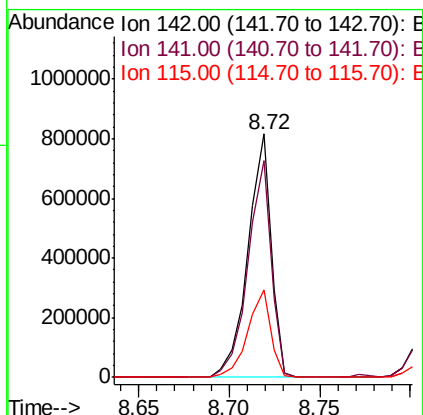
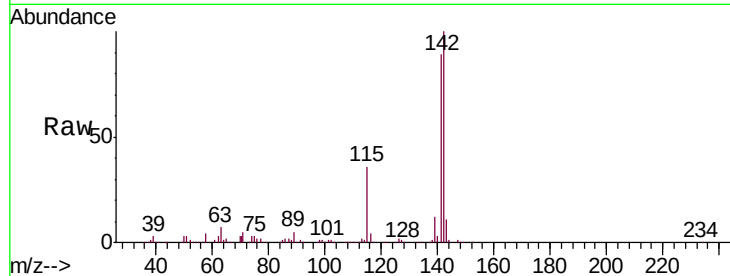




#37  
 2-Methylnaphthalene  
 Concen: 45.869 ng  
 RT: 8.72 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

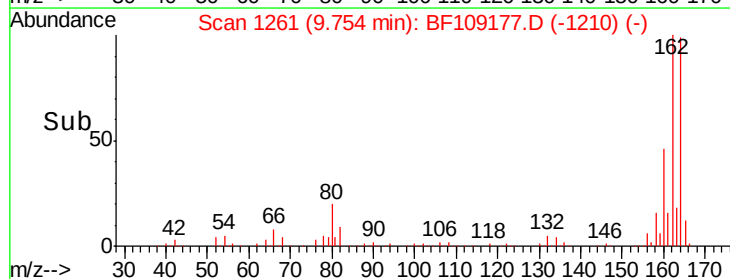
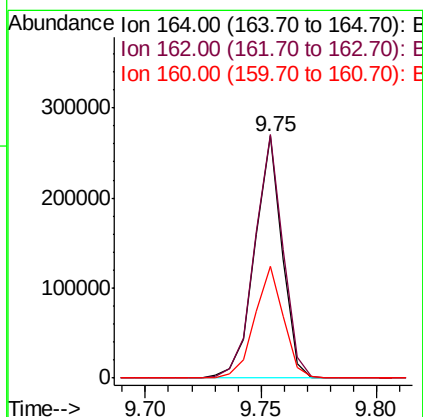
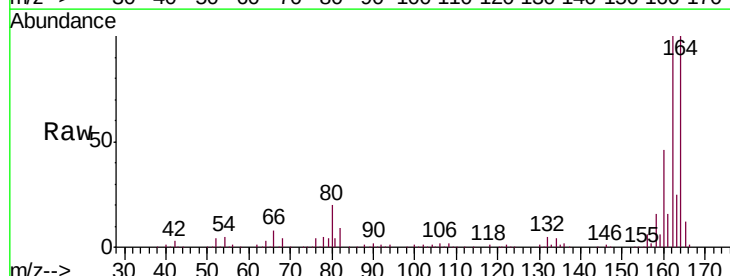
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

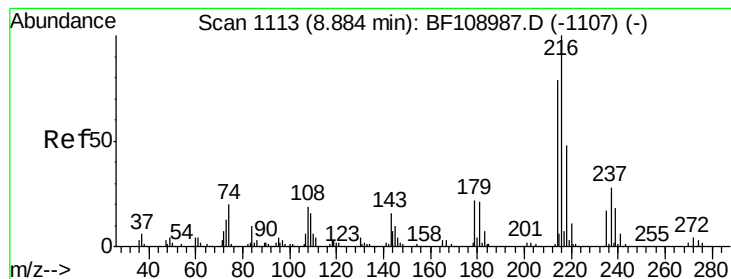
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.8  | 106.2 |
| 115     | 35.8  | 26.1  | 39.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1261  
 Delta R.T. -0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.5 | 86.1  | 129.1 |
| 160     | 46.1  | 38.3  | 57.5  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.568 ng

RT: 8.88 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

Tgt Ion:216 Resp: 327055

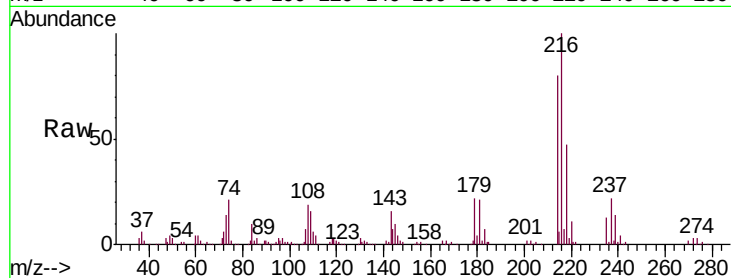
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 21.1 18.1 27.1

108 19.3 17.2 25.8

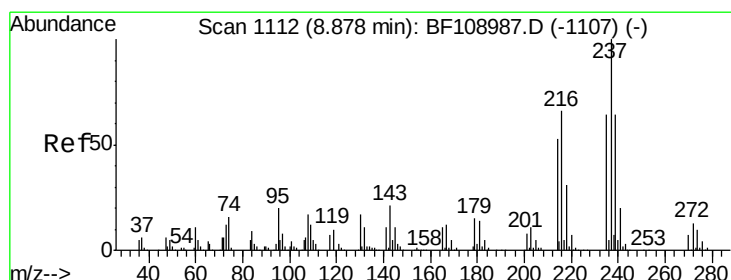
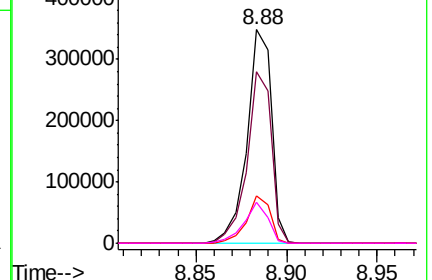
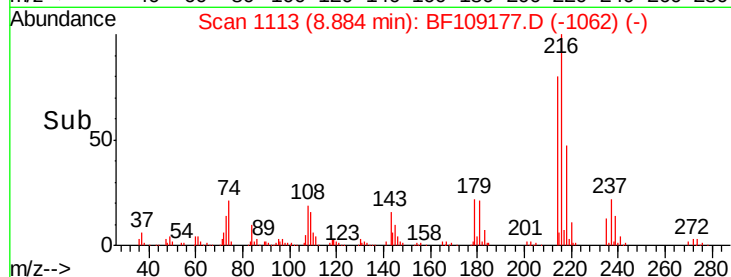


Abundance Ion 216.00 (215.70 to 216.70): E

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: 58.852 ng

RT: 8.88 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

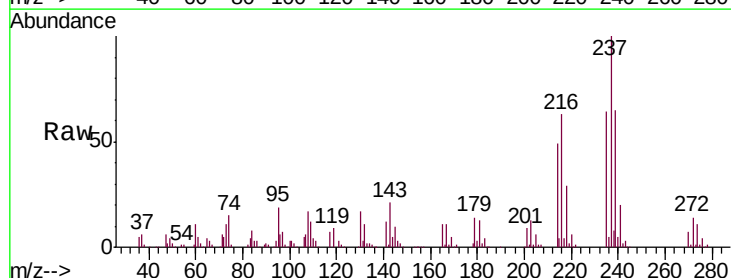
Tgt Ion:237 Resp: 208251

Ion Ratio Lower Upper

237 100

235 64.2 44.8 84.8

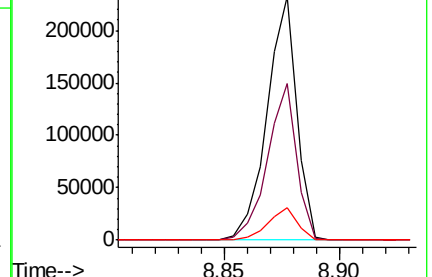
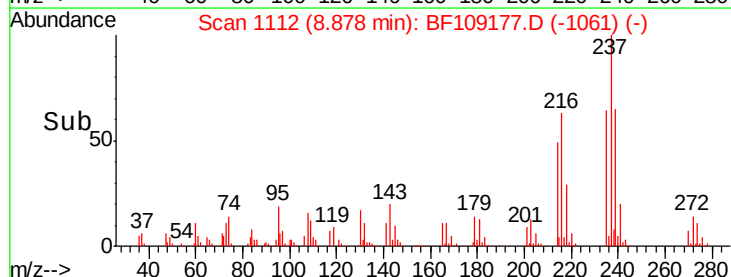
272 13.5 0.0 33.3



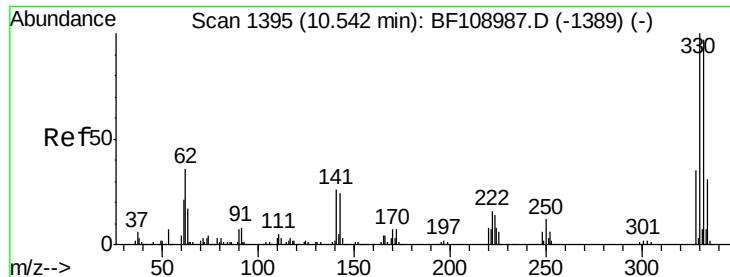
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E







#41

2,4,6-Tribromophenol

Concen: 72.594 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

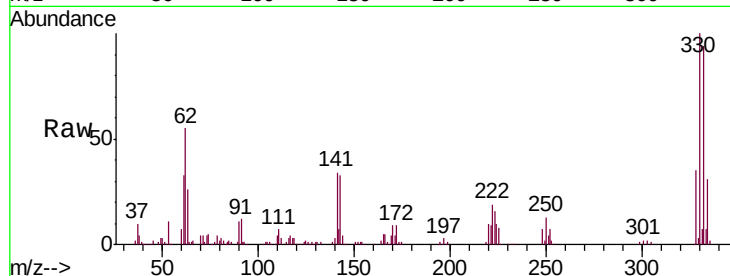
Tgt Ion:330 Resp: 175799

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

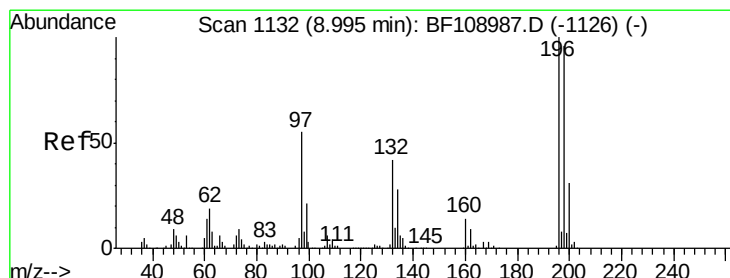
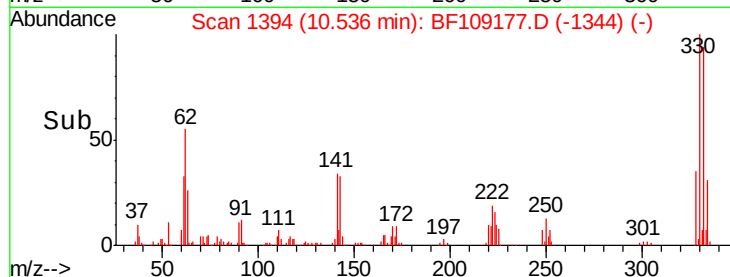
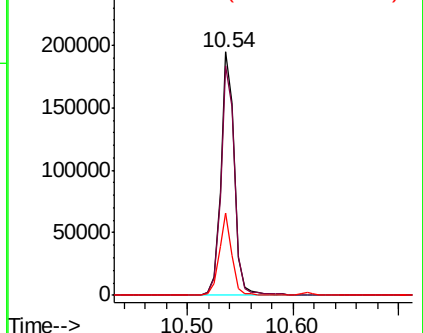
141 31.8 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 43.653 ng

RT: 9.00 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

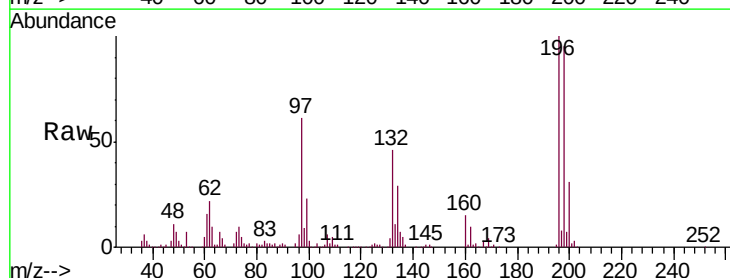
Tgt Ion:196 Resp: 206071

Ion Ratio Lower Upper

196 100

198 94.7 75.7 113.5

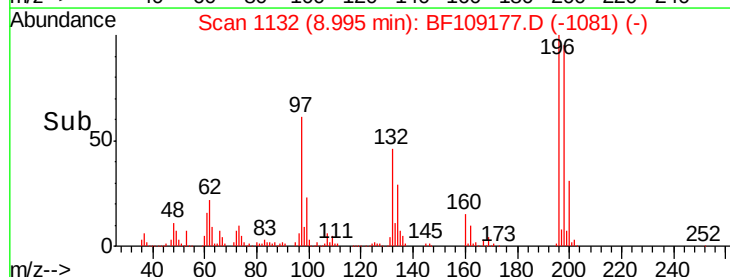
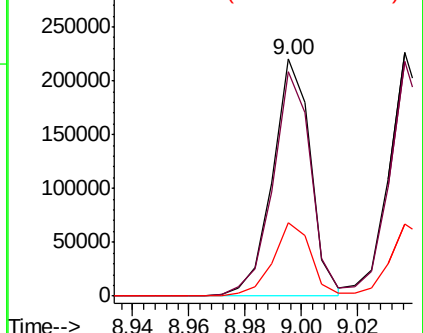
200 30.8 24.5 36.7

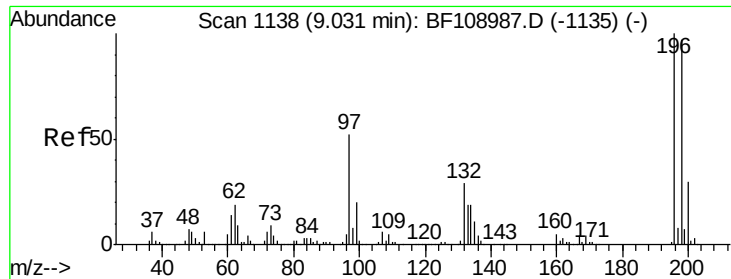


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

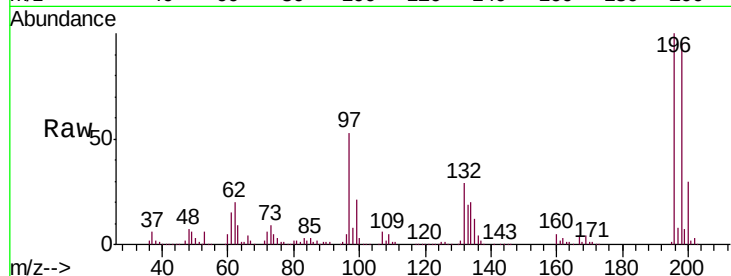




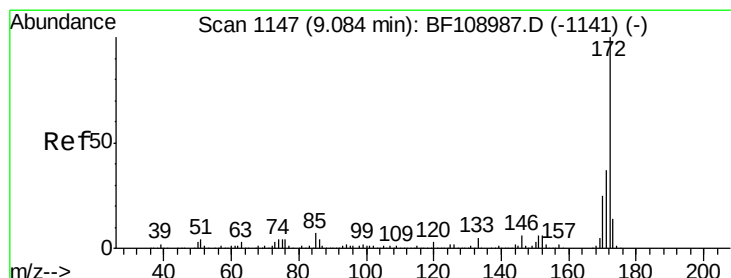
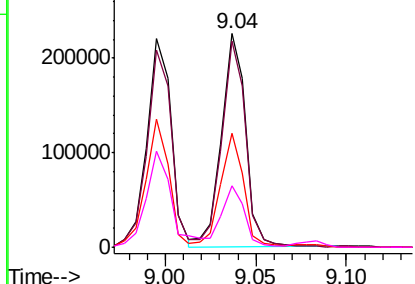
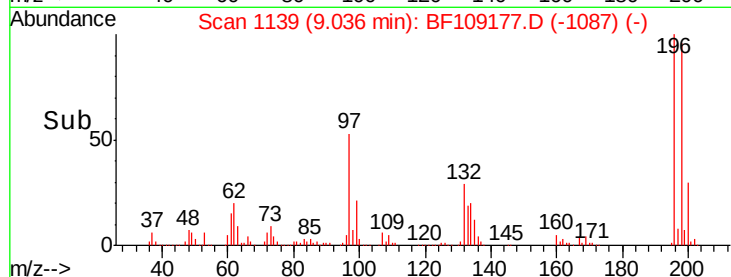
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.581 ng  
 RT: 9.04 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 210054 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 96.3  | 74.6  | 112.0  |
| 97       | 53.1  | 42.9  | 64.3   |
| 132      | 28.7  | 26.3  | 39.5   |

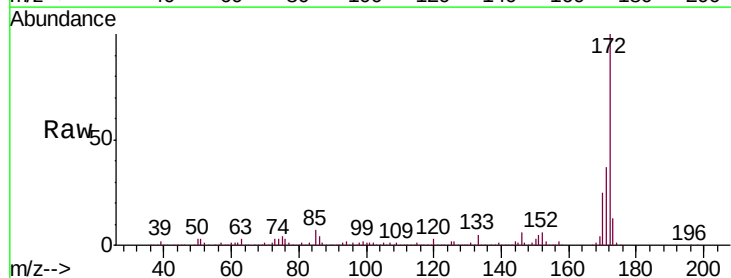


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

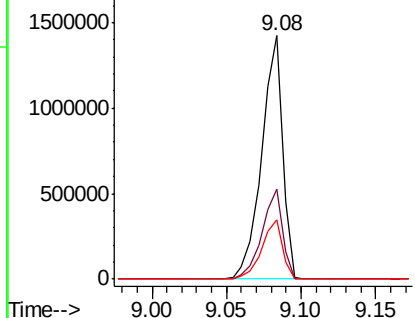
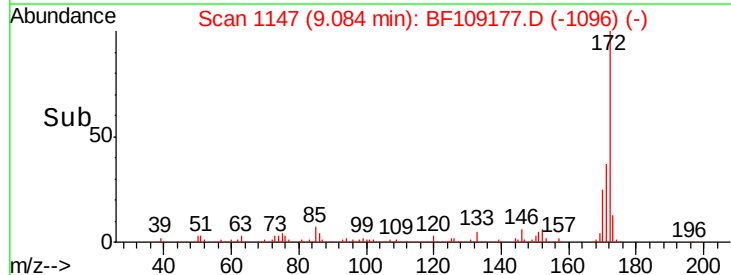


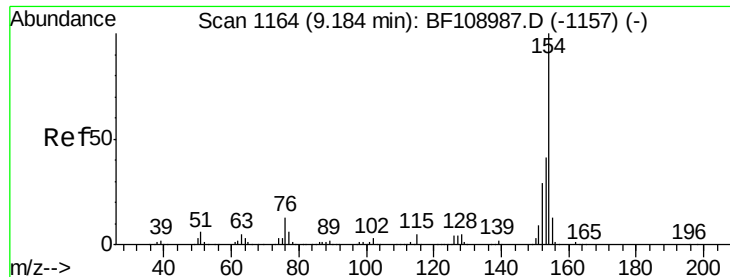
#44  
 2-Fluorobiphenyl  
 Concen: 95.902 ng  
 RT: 9.08 min Scan# 1147  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1365889 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.7  | 29.7  | 44.5    |
| 170      | 24.6  | 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

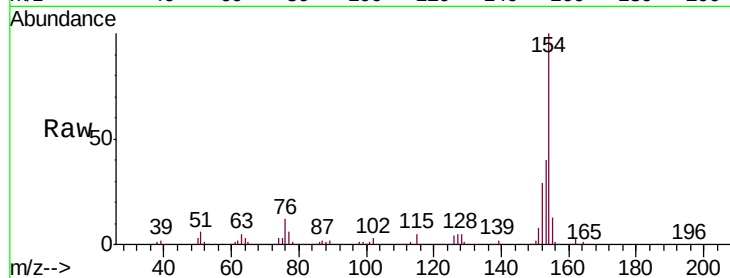




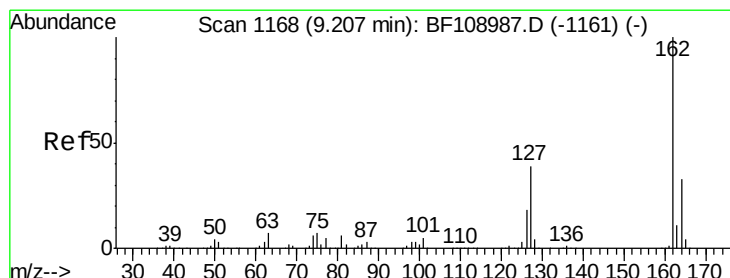
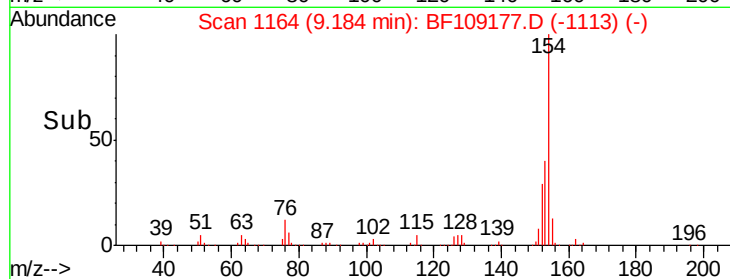
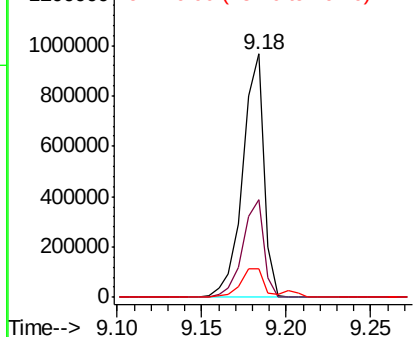
#45  
 1,1'-Biphenyl  
 Concen: 47.470 ng  
 RT: 9.18 min Scan# 1164  
 Delta R.T. -0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

Tgt Ion:154 Resp: 847451  
 Ion Ratio Lower Upper  
 154 100  
 153 40.0 21.3 61.3  
 76 11.6 0.0 34.0

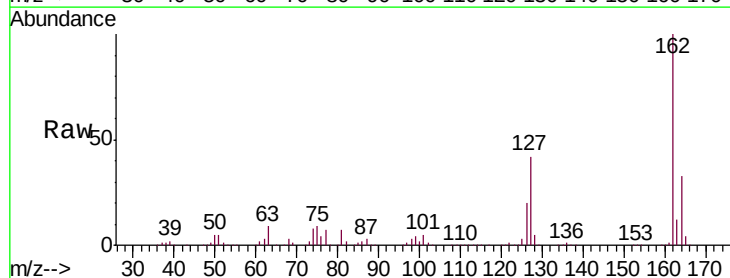


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

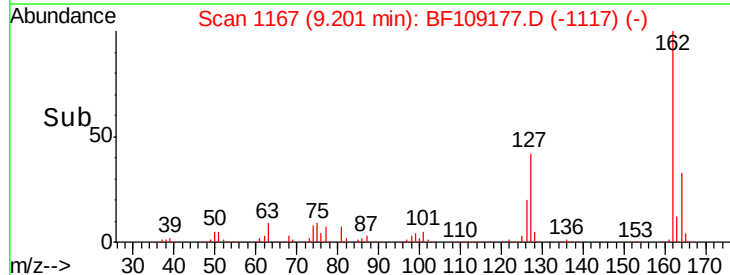
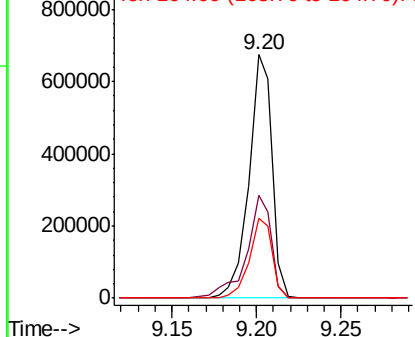


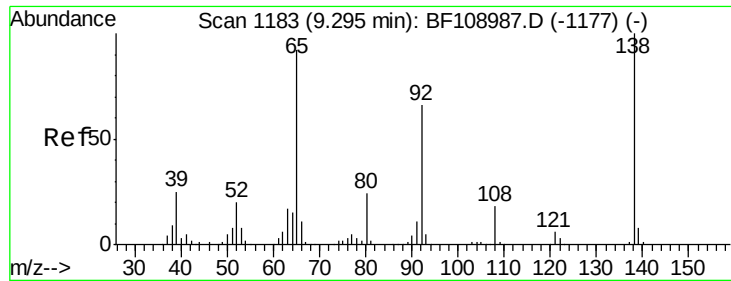
#46  
 2-Chloronaphthalene  
 Concen: 45.261 ng  
 RT: 9.20 min Scan# 1167  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion:162 Resp: 647100  
 Ion Ratio Lower Upper  
 162 100  
 127 42.4 33.9 50.9  
 164 32.8 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: 44.608 ng

RT: 9.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

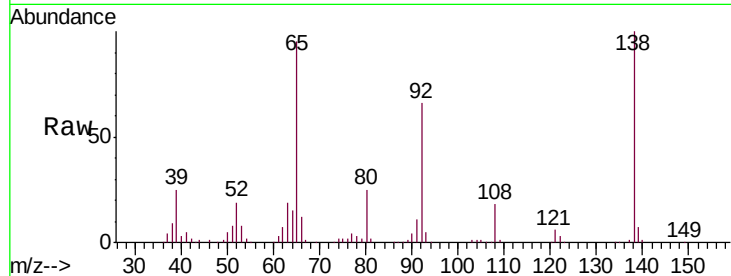
Tgt Ion: 65 Resp: 196065

Ion Ratio Lower Upper

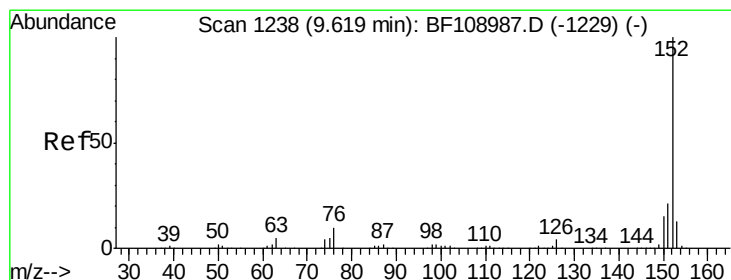
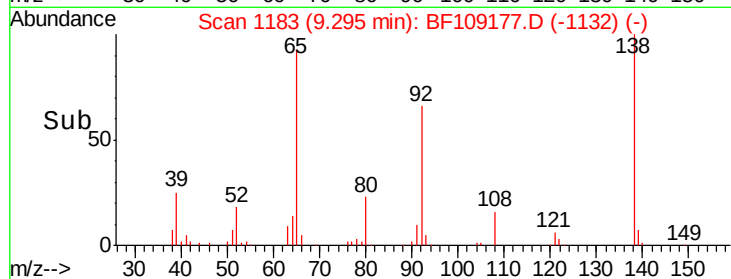
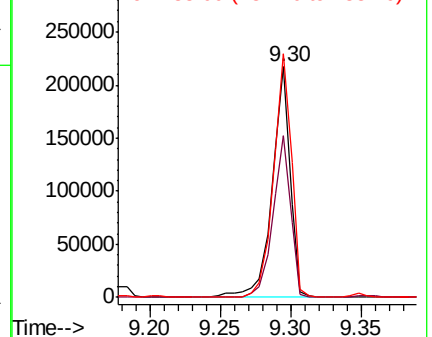
65 100

92 70.0 55.8 83.6

138 105.6 91.2 136.8



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



#48

Acenaphthylene

Concen: 47.150 ng

RT: 9.61 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

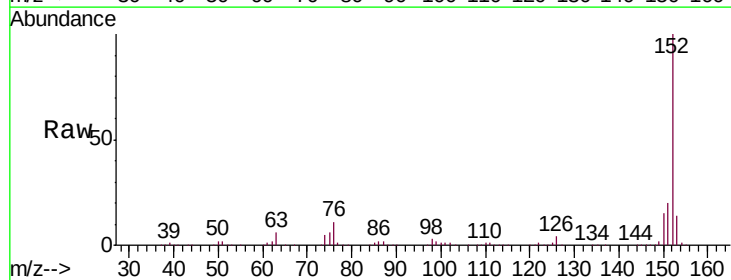
Tgt Ion: 152 Resp: 1016364

Ion Ratio Lower Upper

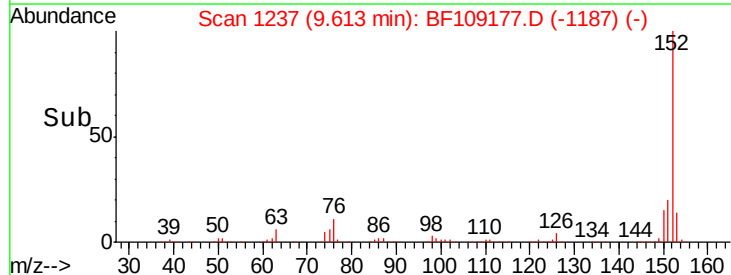
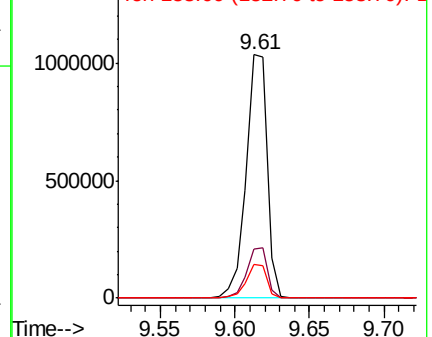
152 100

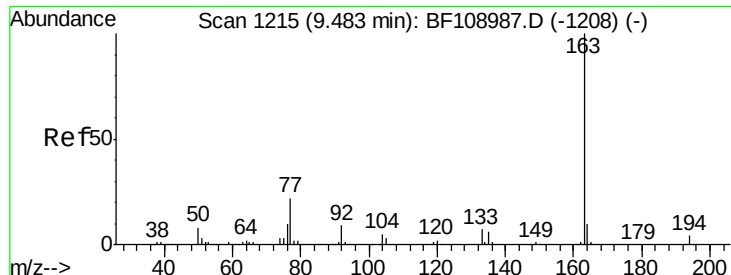
151 20.2 16.3 24.5

153 13.7 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

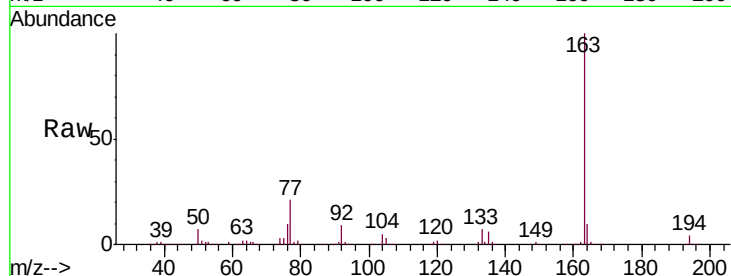




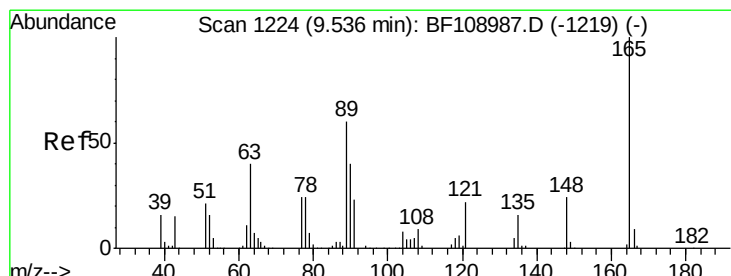
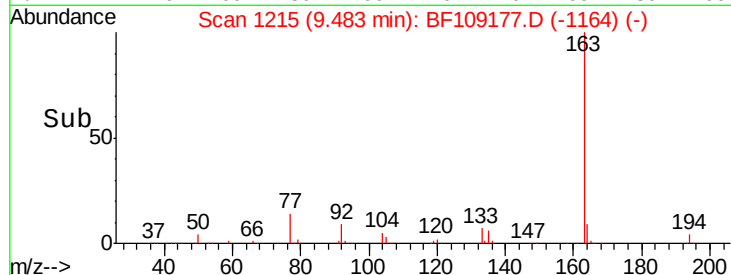
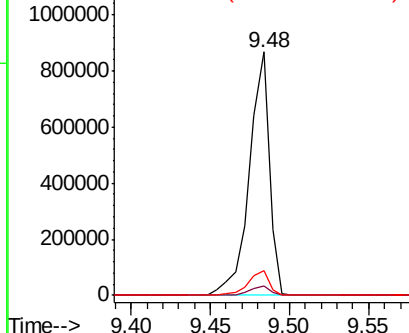
#49  
Dimethylphthalate  
Concen: 47.785 ng  
RT: 9.48 min Scan# 1215  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 2.7   | 4.1   |
| 164     | 10.2  | 8.2   | 12.2  |

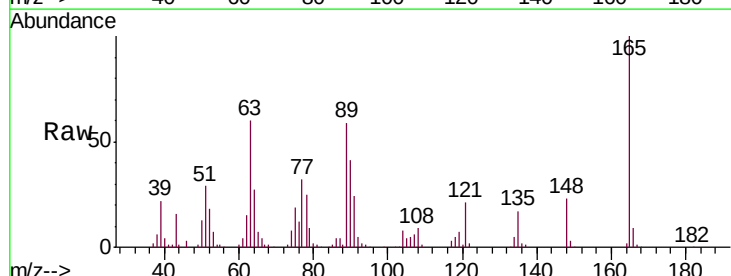


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

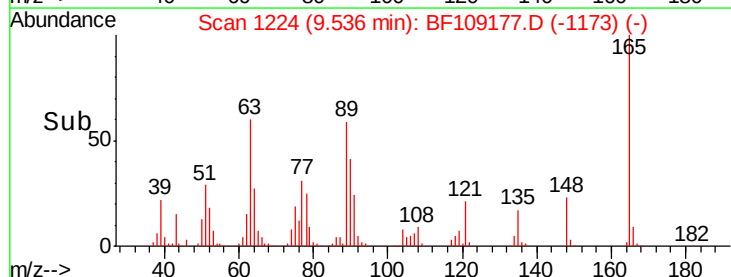
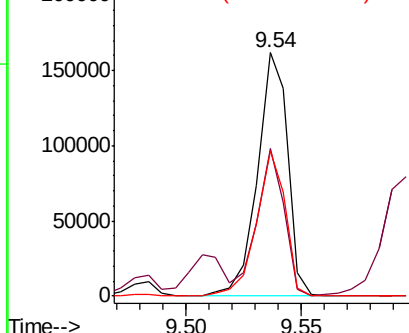


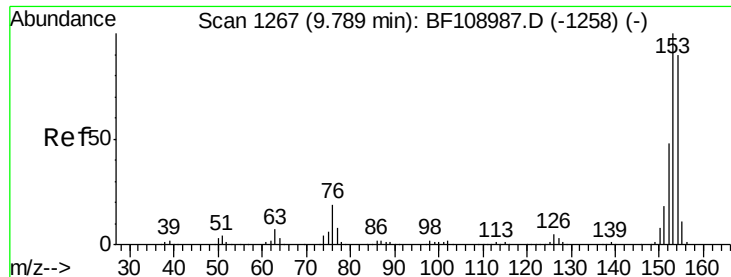
#50  
2,6-Dinitrotoluene  
Concen: 41.876 ng  
RT: 9.54 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 60.4  | 44.7  | 67.1  |
| 89      | 59.4  | 44.0  | 66.0  |



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





#51

Acenaphthene

Concen: 43.947 ng

RT: 9.79 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

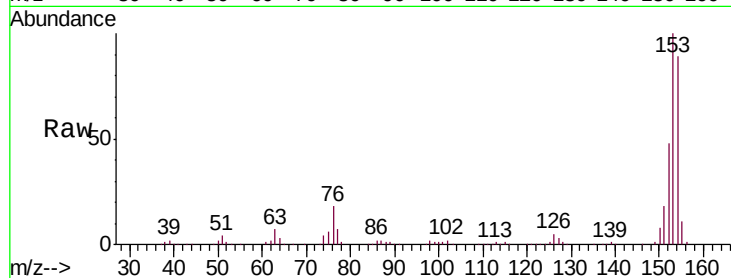
Tgt Ion:154 Resp: 589888

Ion Ratio Lower Upper

154 100

153 112.3 91.2 136.8

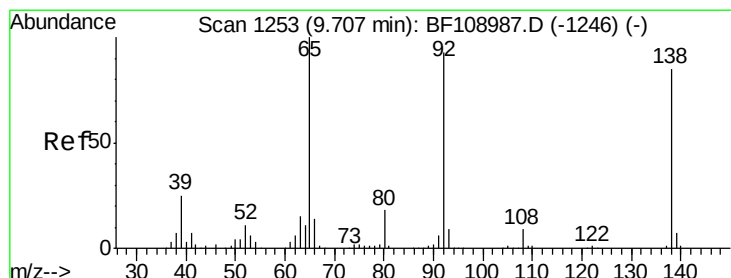
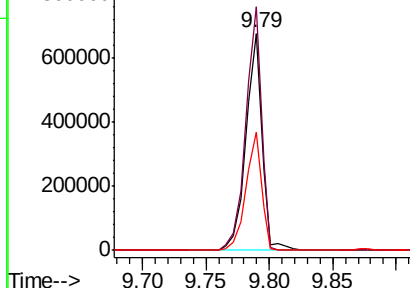
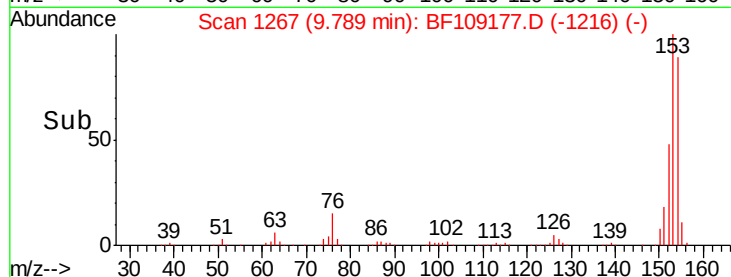
152 54.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.317 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

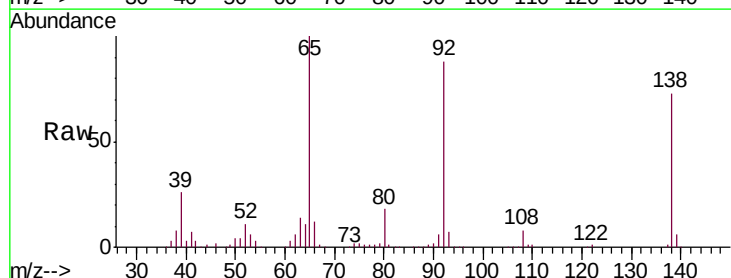
Tgt Ion:138 Resp: 134591

Ion Ratio Lower Upper

138 100

108 11.2 9.4 14.0

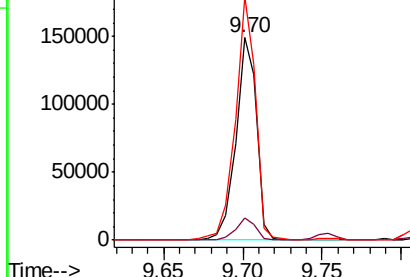
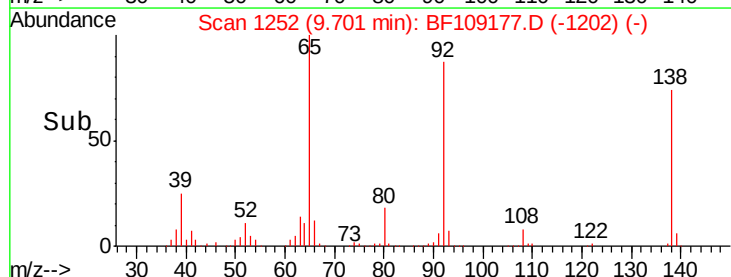
92 120.4 89.4 134.2

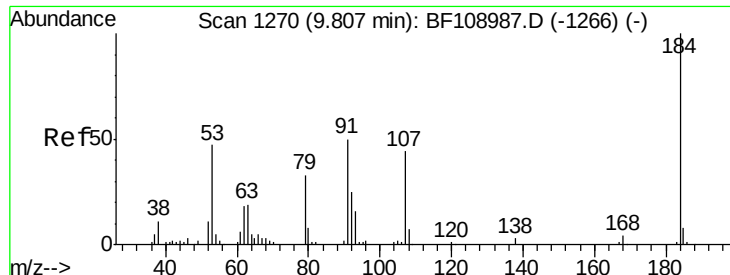


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

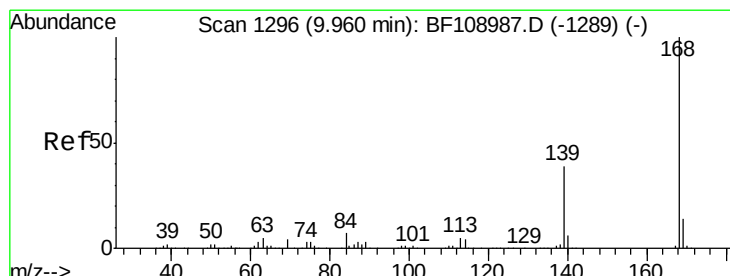
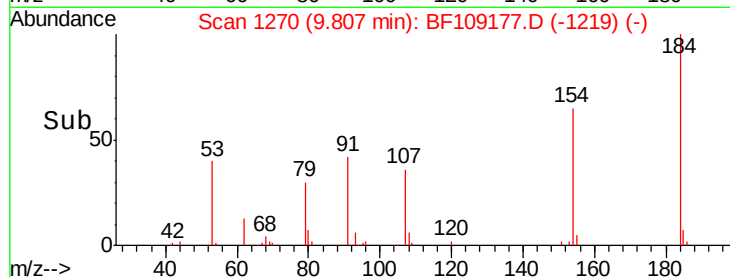
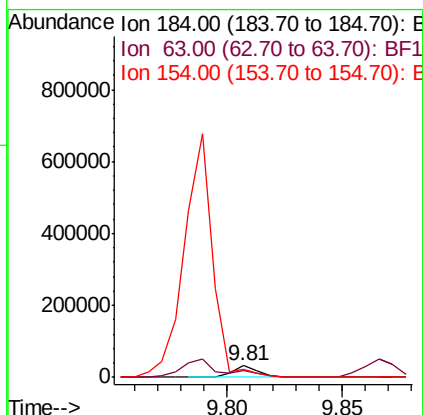
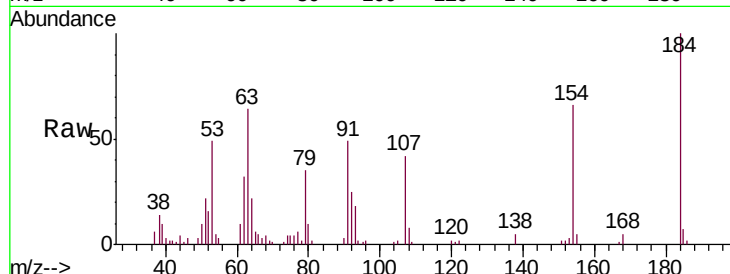




#53  
 2,4-Dinitrophenol  
 Concen: 19.789 ng  
 RT: 9.81 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

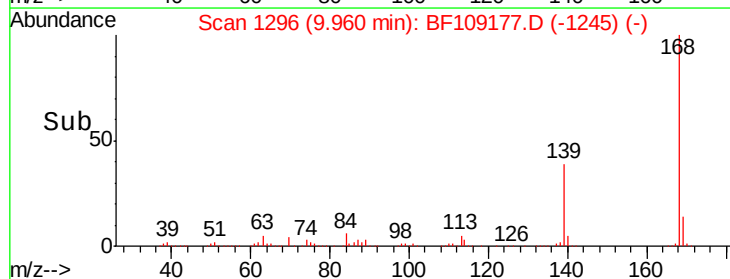
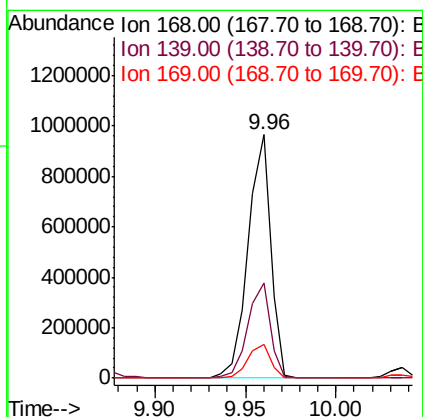
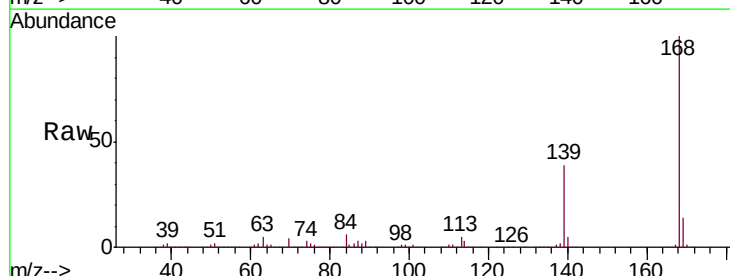
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

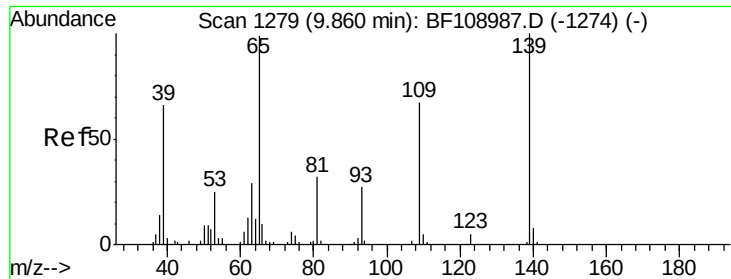
Tgt Ion:184 Resp: 26974  
 Ion Ratio Lower Upper  
 184 100  
 63 64.1 54.2 81.2  
 154 65.9 184.0 276.0#



#54  
 Dibenzofuran  
 Concen: 43.434 ng  
 RT: 9.96 min Scan# 1296  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion:168 Resp: 842487  
 Ion Ratio Lower Upper  
 168 100  
 139 39.0 30.1 45.1  
 169 14.1 10.9 16.3

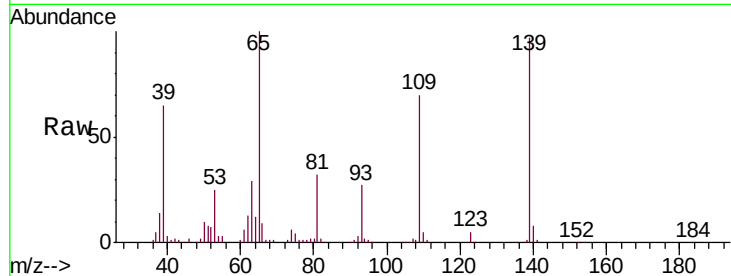




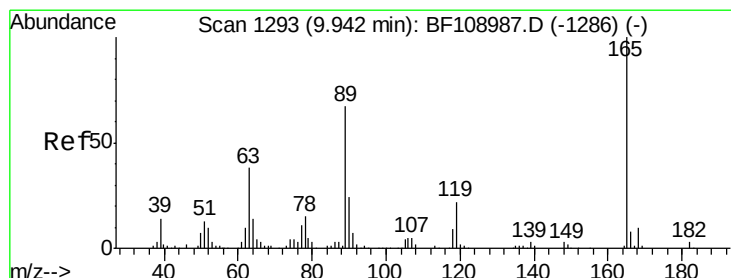
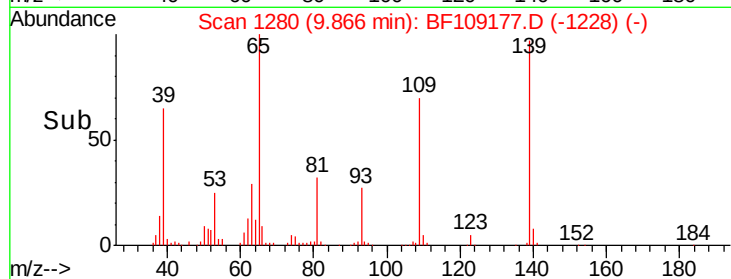
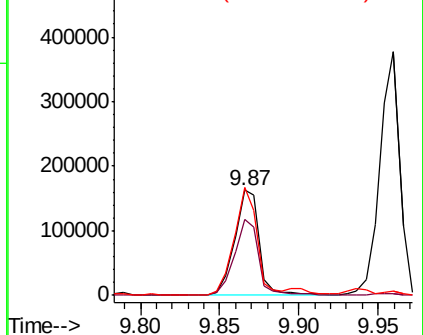
#55  
4-Nitrophenol  
Concen: 57.463 ng  
RT: 9.87 min Scan# 1280  
Delta R.T. 0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

Tgt Ion:139 Resp: 176324  
Ion Ratio Lower Upper  
139 100  
109 72.3 48.4 88.4  
65 103.1 72.6 112.6

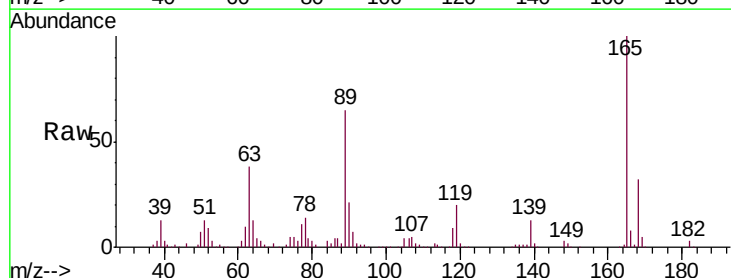


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

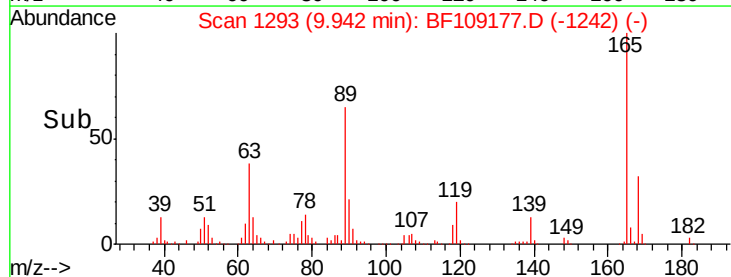
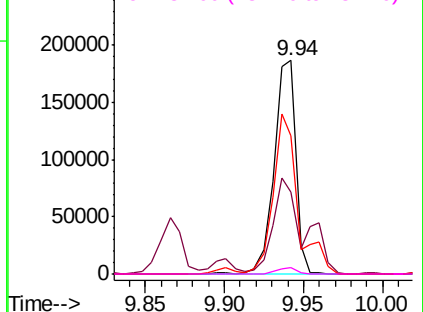


#56  
2,4-Dinitrotoluene  
Concen: 38.704 ng  
RT: 9.94 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

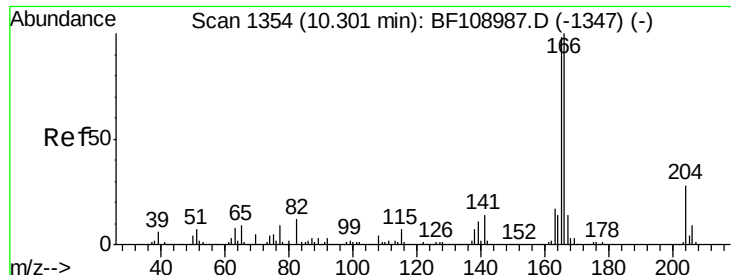
Tgt Ion:165 Resp: 179025  
Ion Ratio Lower Upper  
165 100  
63 38.1 36.4 54.6  
89 64.6 57.8 86.6  
182 2.9 1.6 2.4#



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



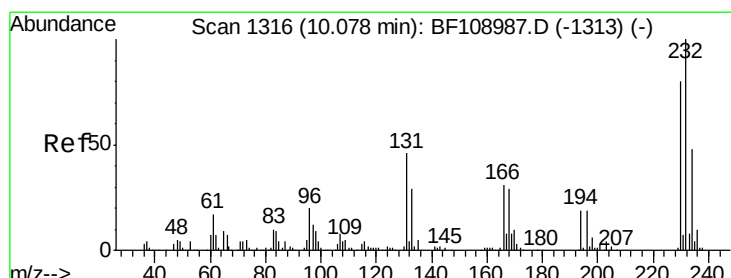
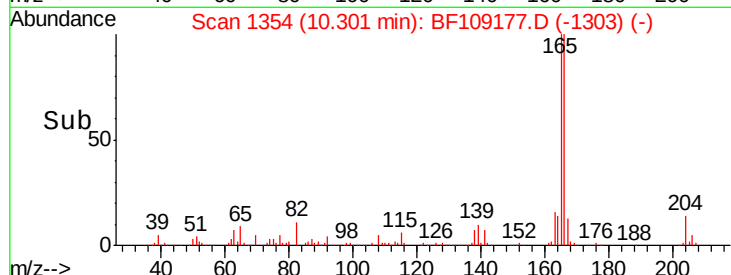
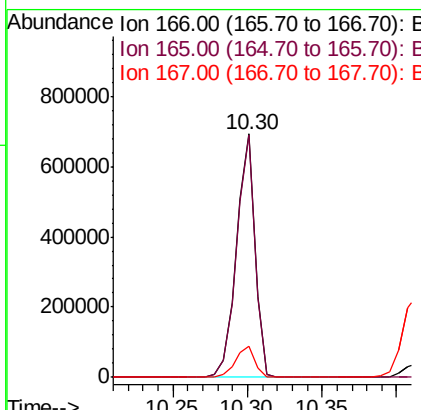
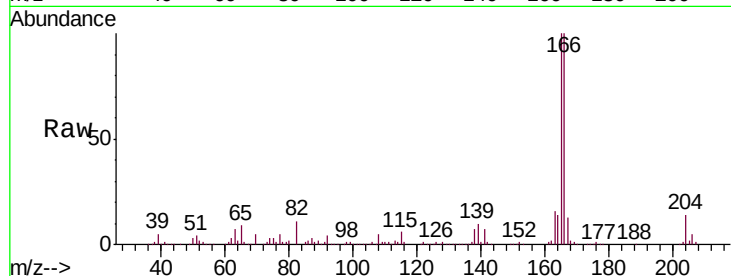




#57  
 Fluorene  
 Concen: 46.949 ng  
 RT: 10.30 min Scan# 1354  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

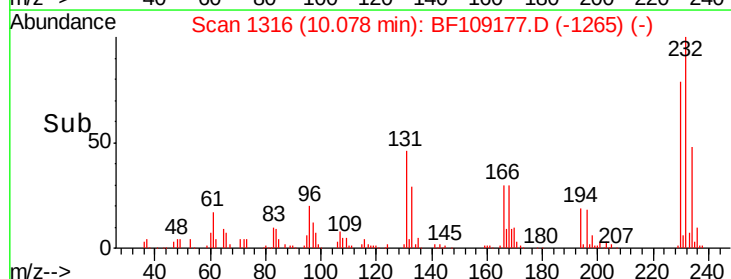
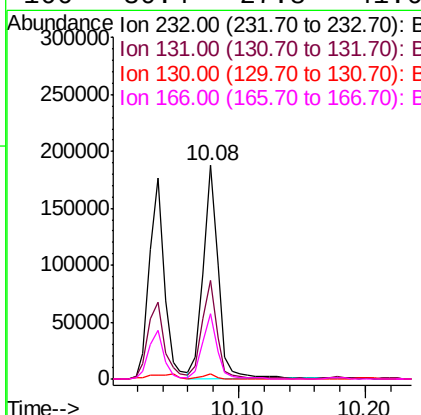
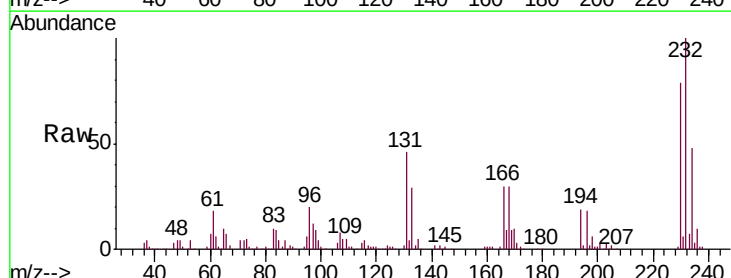
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

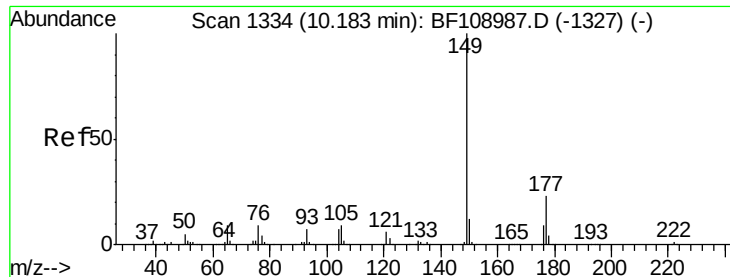
Tgt Ion:166 Resp: 606871  
 Ion Ratio Lower Upper  
 166 100  
 165 99.7 79.8 119.8  
 167 12.9 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.060 ng  
 RT: 10.08 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion:232 Resp: 155462  
 Ion Ratio Lower Upper  
 232 100  
 131 44.8 43.8 65.8  
 130 2.2 2.1 3.1  
 166 30.4 27.8 41.6

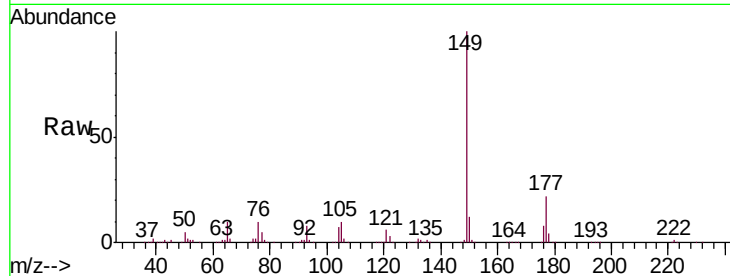




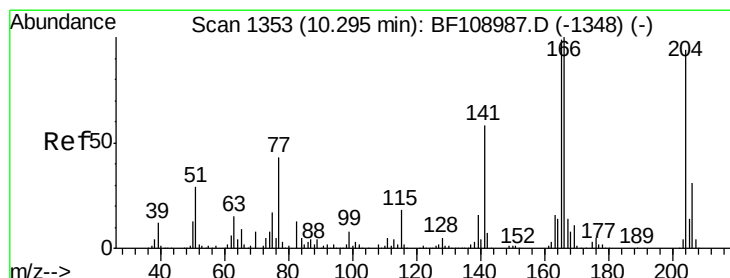
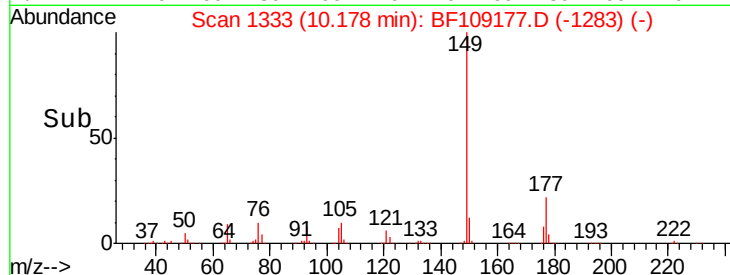
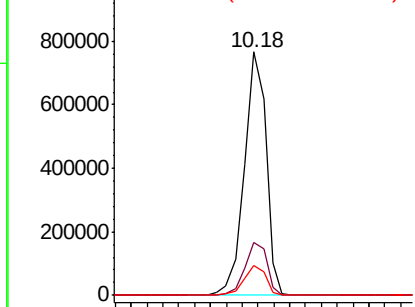
#59  
Diethylphthalate  
Concen: 45.276 ng  
RT: 10.18 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

Tgt Ion:149 Resp: 729200  
Ion Ratio Lower Upper  
149 100  
177 21.6 16.1 24.1  
150 12.5 10.1 15.1

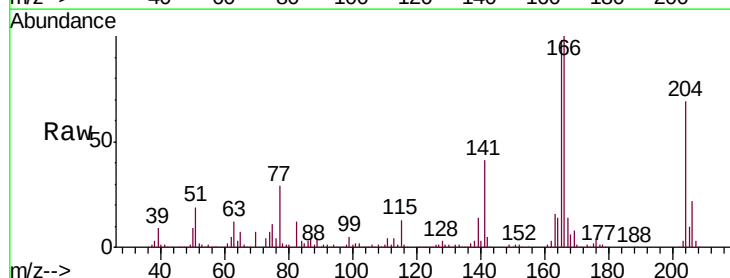


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

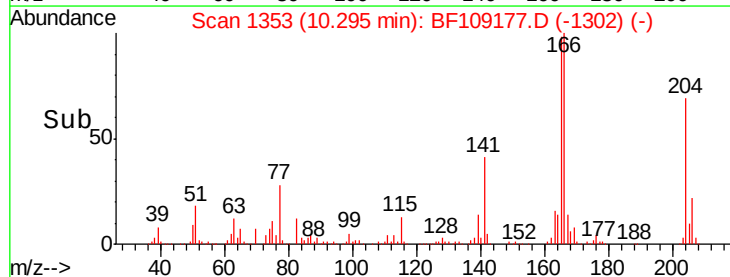
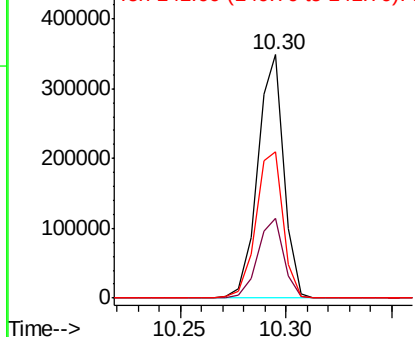


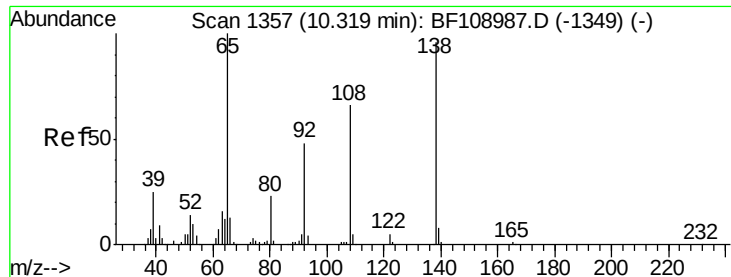
#60  
4-Chlorophenyl-phenylether  
Concen: 43.386 ng  
RT: 10.30 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Tgt Ion:204 Resp: 300297  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.5 39.7  
141 60.1 54.6 81.8



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

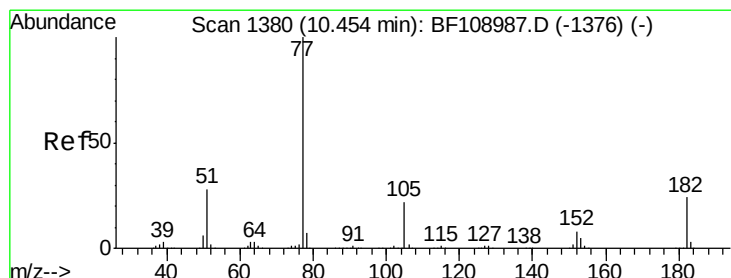
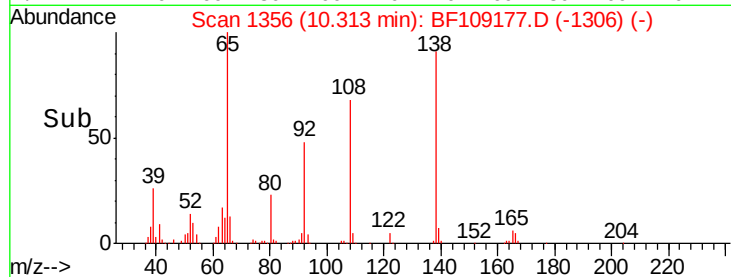
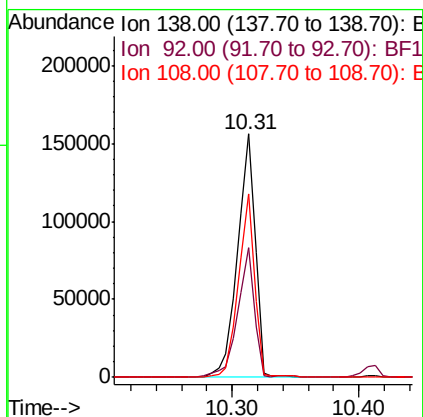
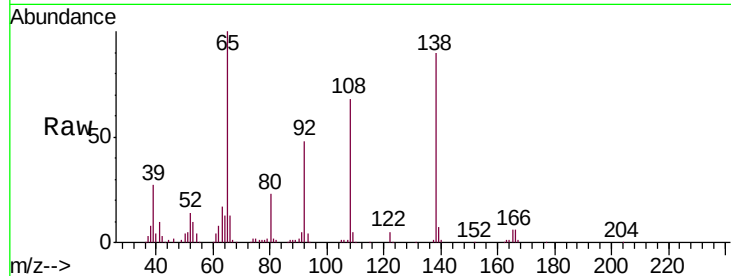




#61  
4-Nitroaniline  
Concen: 37.795 ng  
RT: 10.31 min Scan# 1356  
Delta R.T. -0.01 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

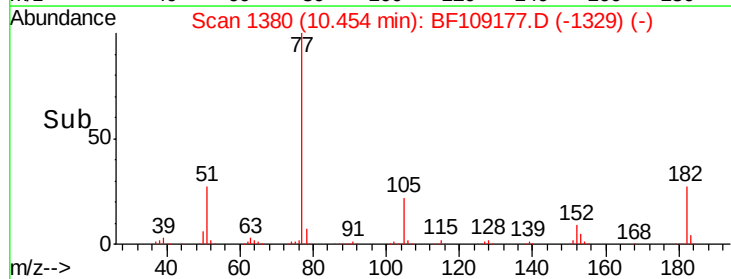
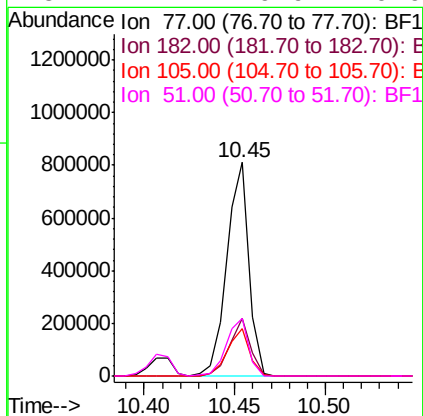
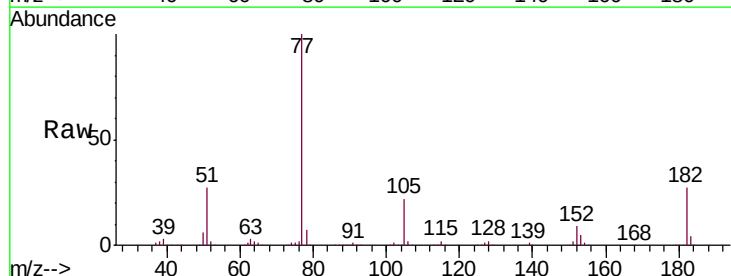
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

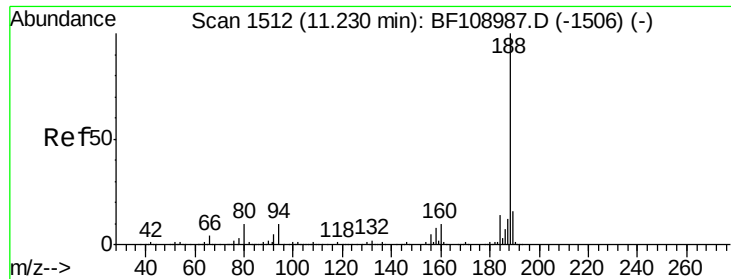
Tgt Ion:138 Resp: 149547  
Ion Ratio Lower Upper  
138 100  
92 53.4 30.2 70.2  
108 75.2 52.5 92.5



#62  
Azobenzene  
Concen: 41.617 ng  
RT: 10.45 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Tgt Ion: 77 Resp: 686096  
Ion Ratio Lower Upper  
77 100  
182 27.1 1.7 41.7  
105 22.4 3.0 43.0  
51 27.1 9.9 49.9

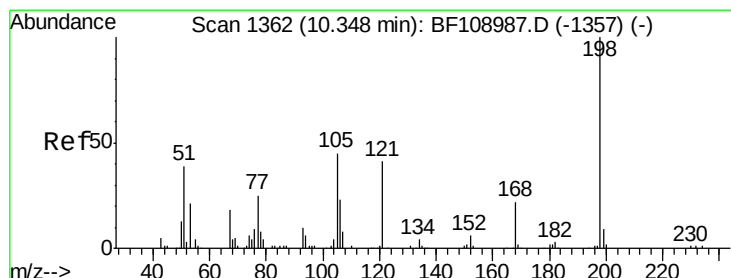
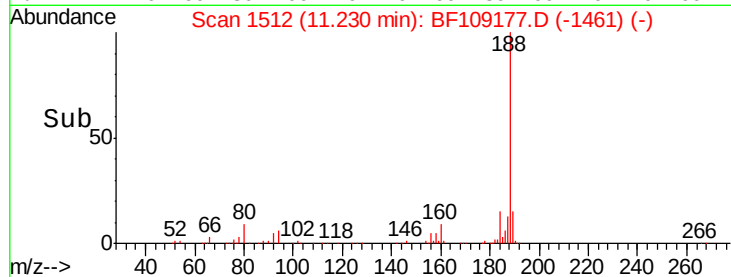
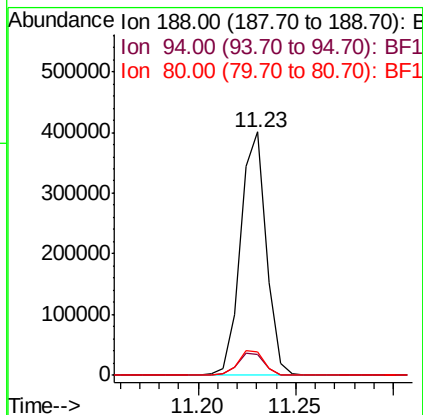
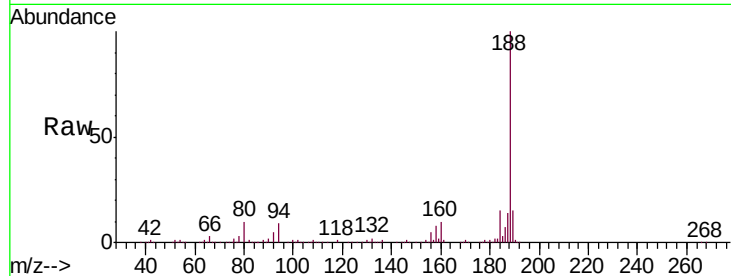




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1512  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

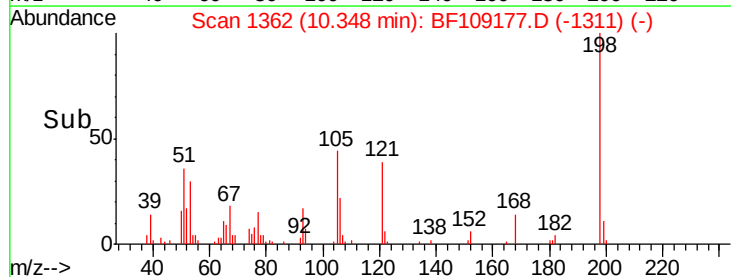
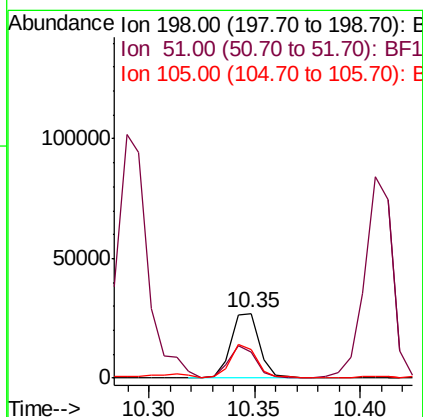
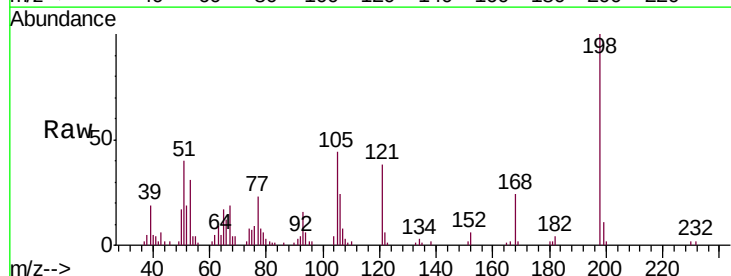
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

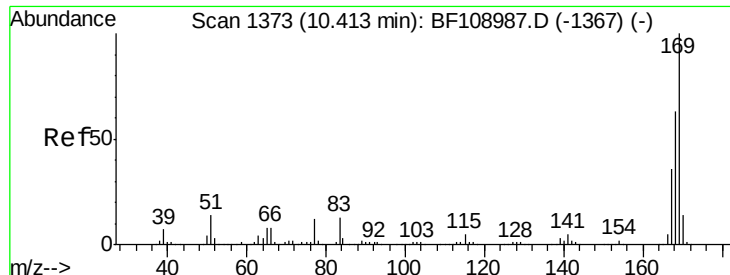
Tgt Ion:188 Resp: 365636  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.5 12.7  
80 9.6 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 14.397 ng  
RT: 10.35 min Scan# 1362  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

Tgt Ion:198 Resp: 25187  
Ion Ratio Lower Upper  
198 100  
51 39.8 37.7 77.7  
105 44.3 36.3 76.3

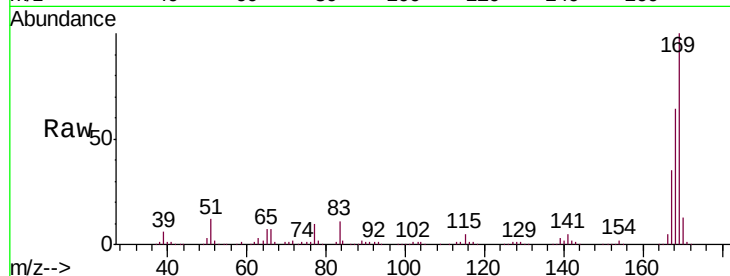




#65  
 n-Nitrosodiphenylamine  
 Concen: 48.880 ng  
 RT: 10.41 min Scan# 1373  
 Delta R.T. -0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 63.7  | 54.4  | 81.6  |
| 167     | 35.1  | 29.8  | 44.6  |

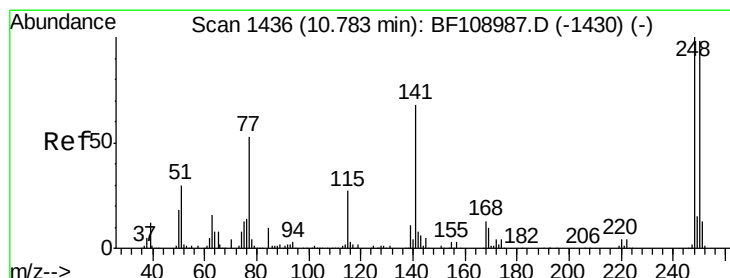
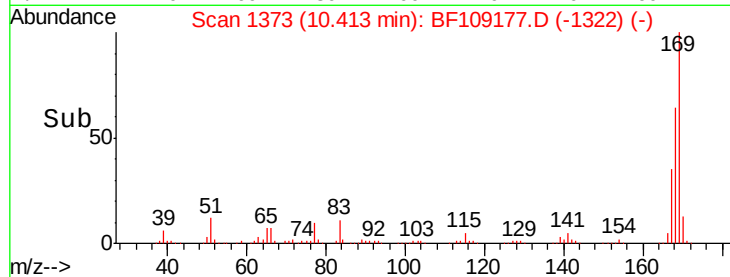
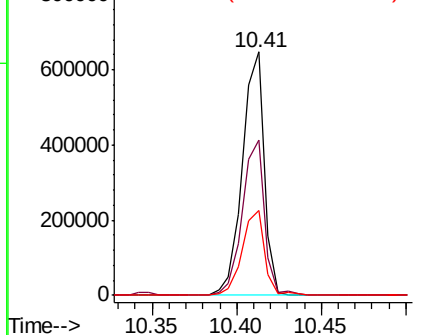


Abundance

Ion 169.00 (168.70 to 169.70): E

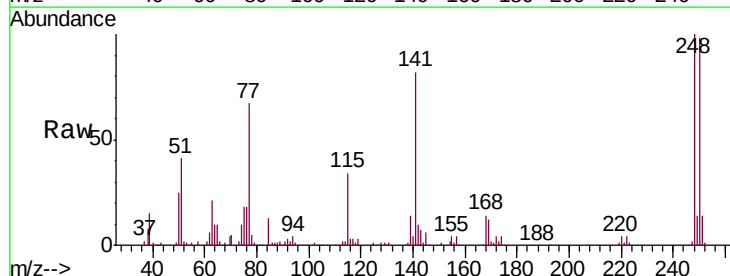
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.884 ng  
 RT: 10.78 min Scan# 1435  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.9  | 76.9  | 115.3 |
| 141     | 82.1  | 74.4  | 111.6 |

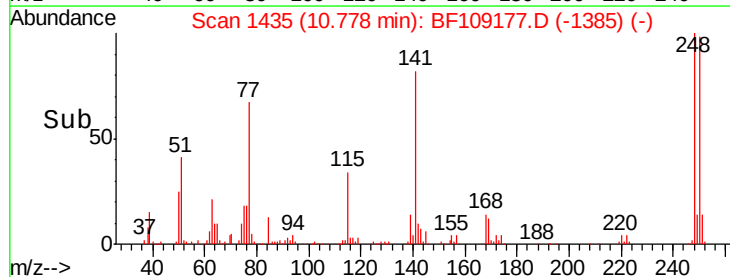
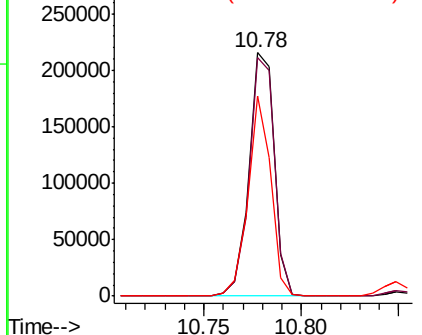


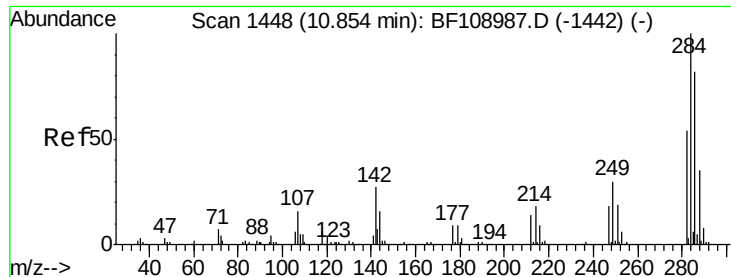
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.414 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

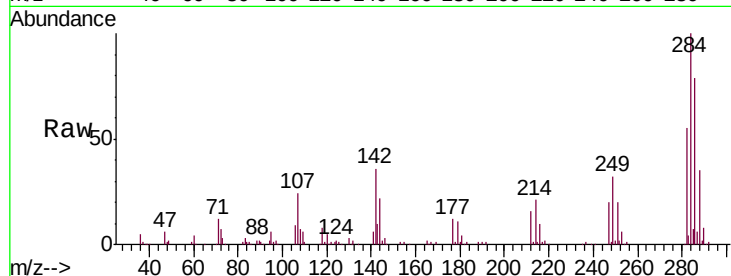
Tgt Ion: 284 Resp: 200234

Ion Ratio Lower Upper

284 100

142 36.4 34.6 52.0

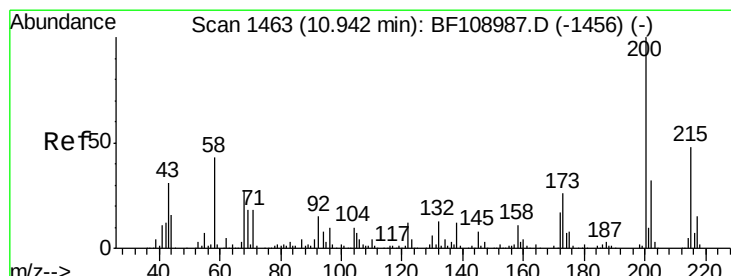
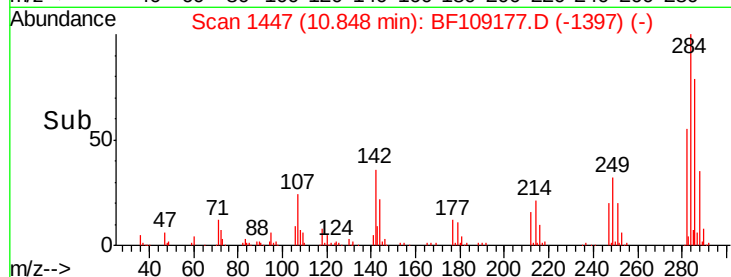
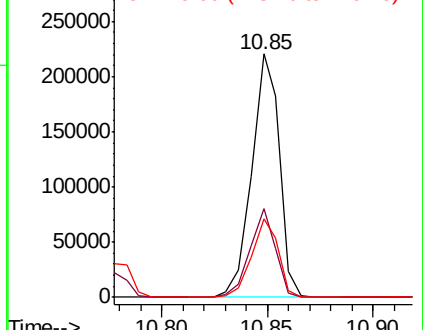
249 32.2 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 48.300 ng

RT: 10.94 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

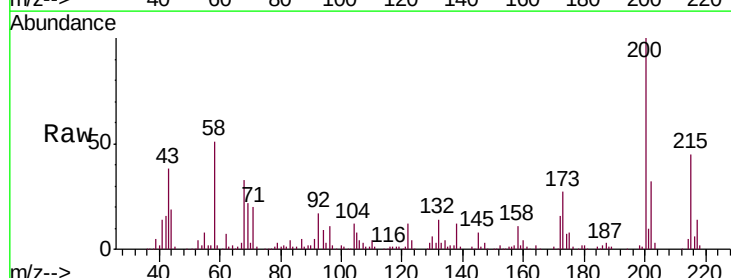
Tgt Ion: 200 Resp: 184923

Ion Ratio Lower Upper

200 100

173 27.5 8.6 48.6

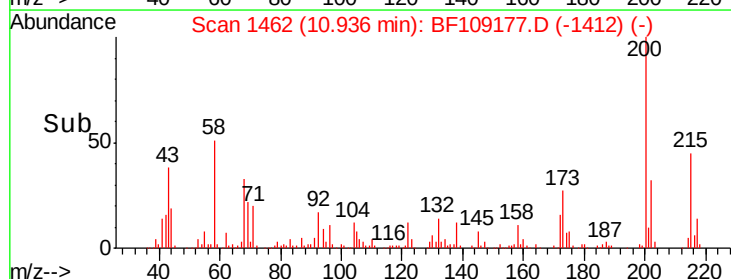
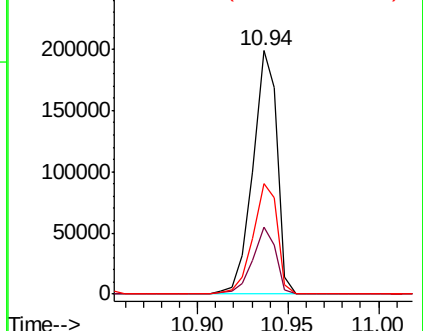
215 45.3 25.1 65.1

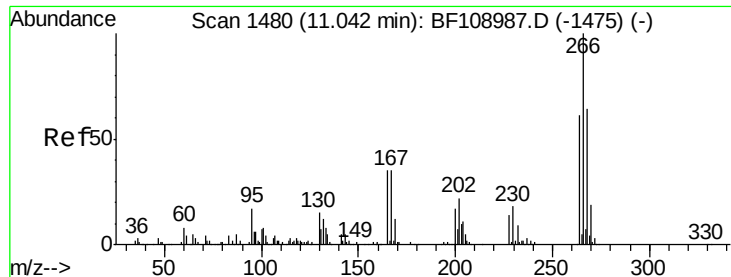


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

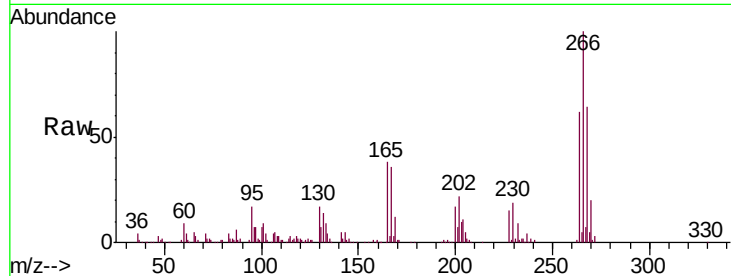




#69  
 Pentachlorophenol  
 Concen: 54.431 ng  
 RT: 11.04 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 51.1  | 76.7  |
| 264     | 62.3  | 49.5  | 74.3  |

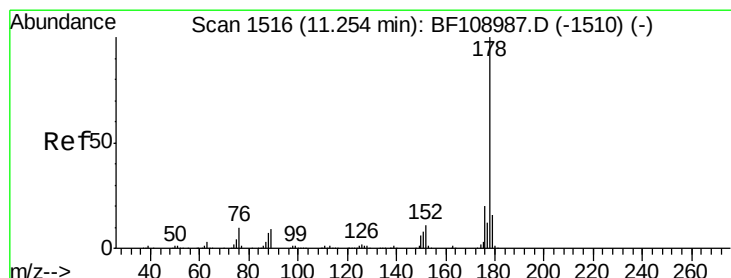
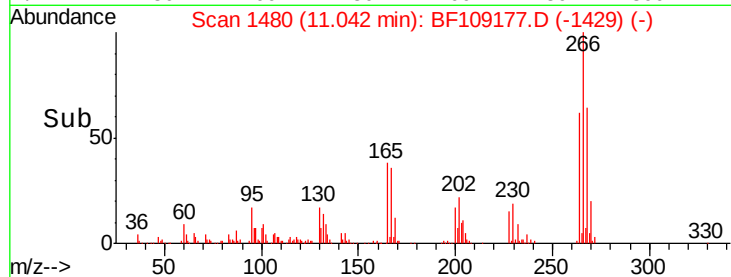
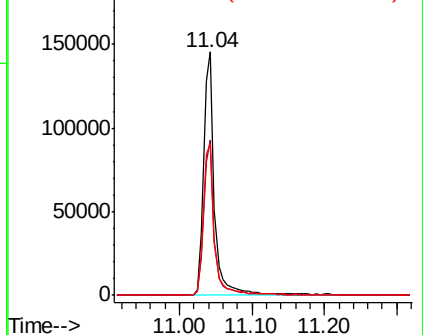


Abundance

Ion 265.70 (265.40 to 266.40): E

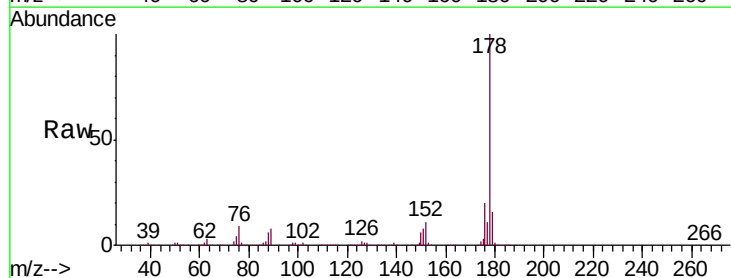
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70  
 Phenanthrene  
 Concen: 47.912 ng  
 RT: 11.25 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.8  | 23.8  |
| 179     | 15.6  | 13.0  | 19.6  |

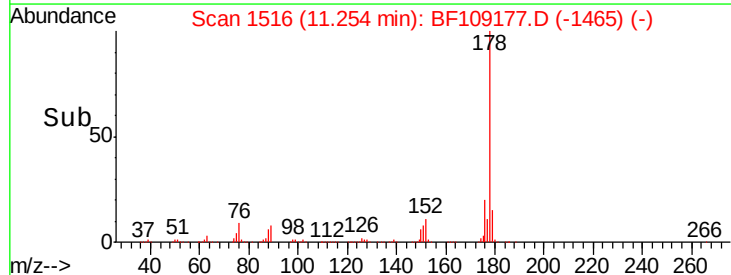
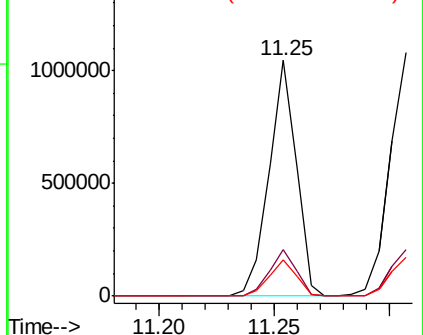


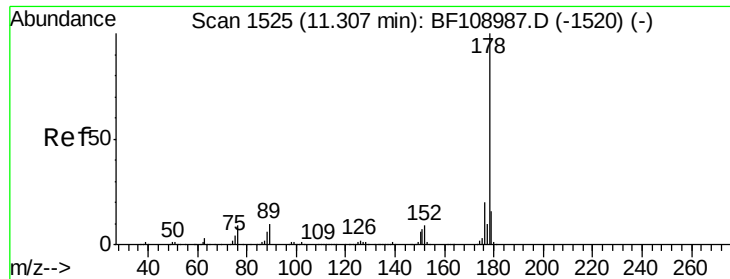
Abundance

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

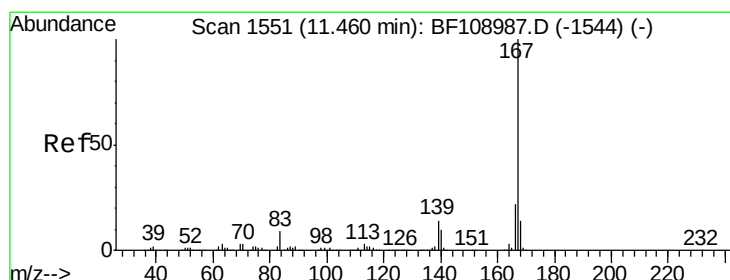
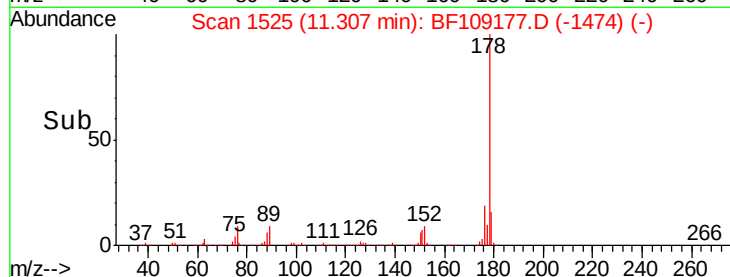
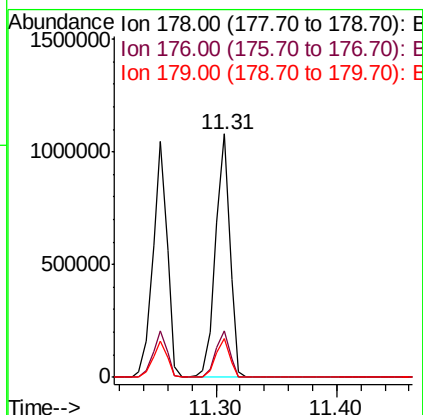
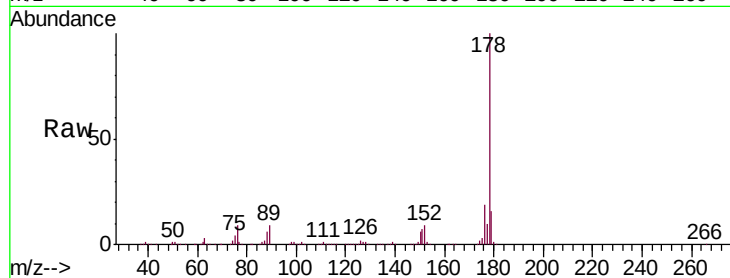




#71  
 Anthracene  
 Concen: 47.947 ng  
 RT: 11.31 min Scan# 1525  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

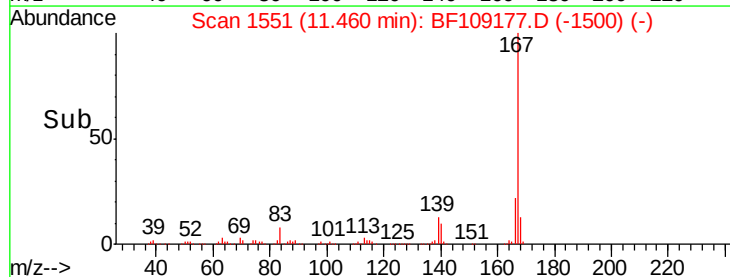
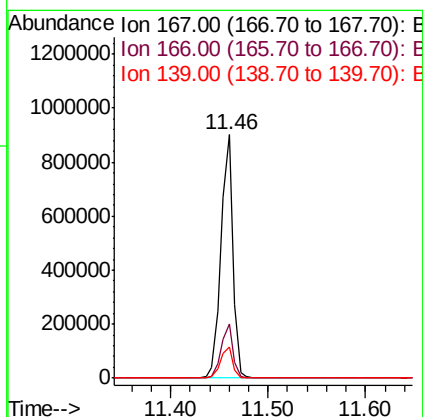
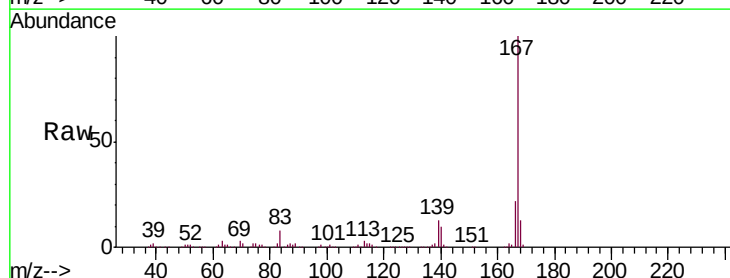
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

Tgt Ion:178 Resp: 871140  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.4 23.2  
 179 15.8 12.6 19.0

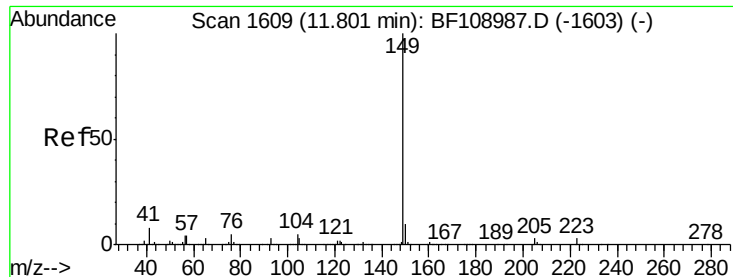


#72  
 Carbazole  
 Concen: 42.690 ng  
 RT: 11.46 min Scan# 1551  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion:167 Resp: 767816  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.6 26.4  
 139 12.8 10.9 16.3







#73

Di-n-butylphthalate

Concen: 46.129 ng

RT: 11.80 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

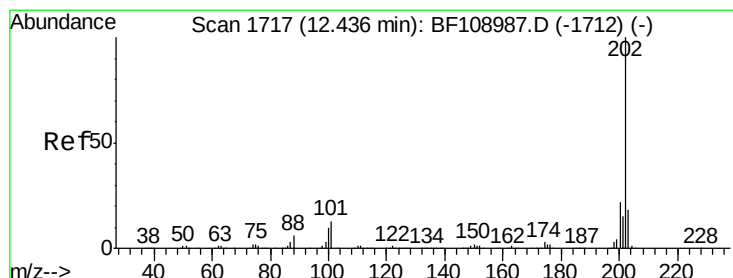
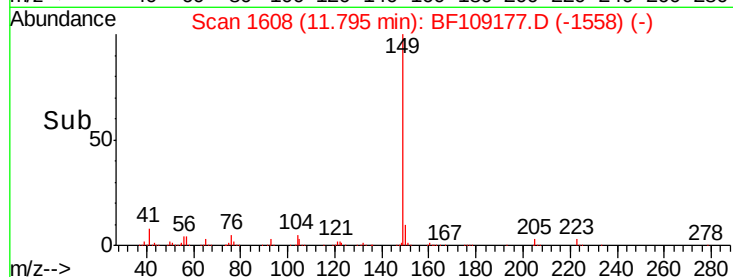
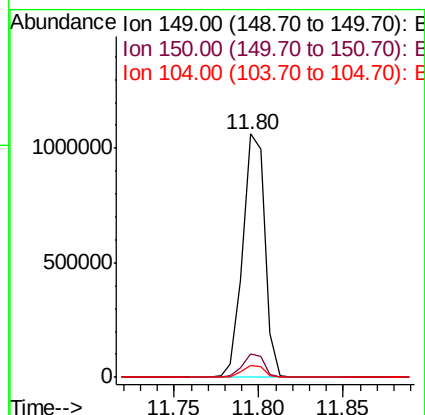
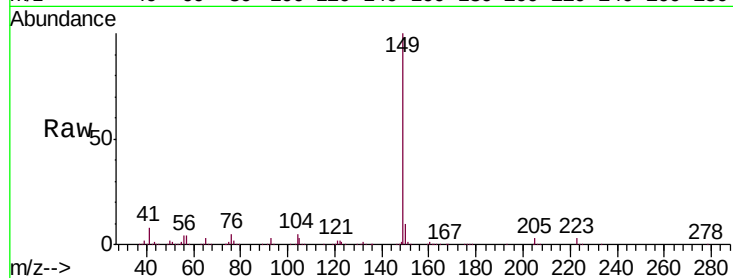
Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 971177 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.6   | 7.8   | 11.6   |
| 104       | 5.2   | 3.8   | 5.8    |



#74

Fluoranthene

Concen: 46.269 ng

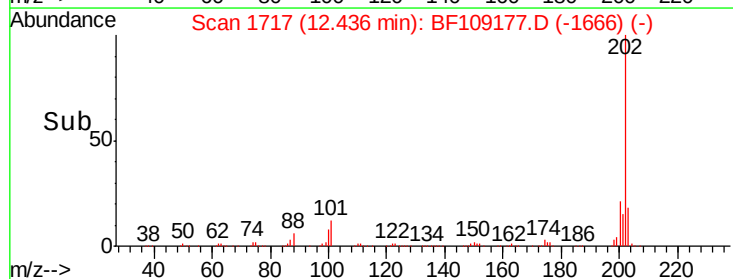
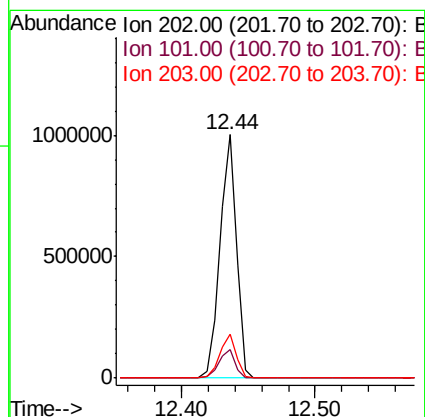
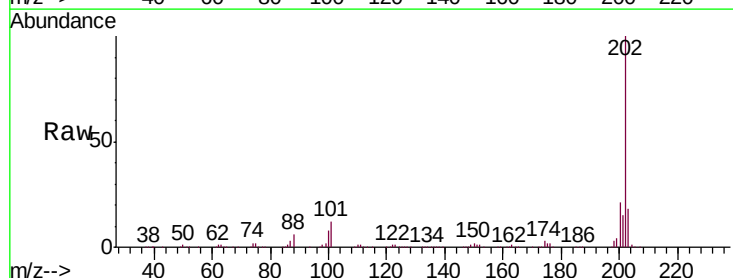
RT: 12.44 min Scan# 1717

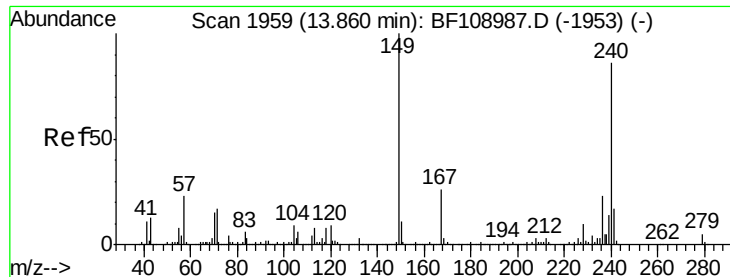
Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 875501 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.7  | 0.0   | 34.1   |
| 203       | 17.9  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

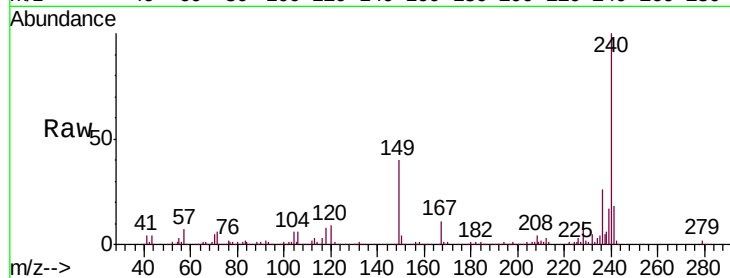
Tgt Ion:240 Resp: 297443

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

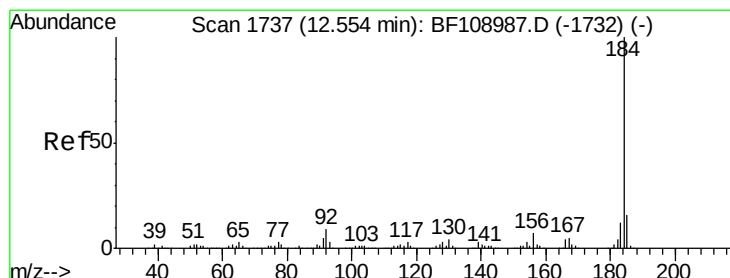
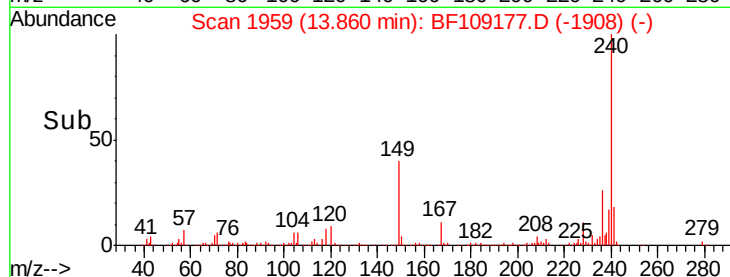
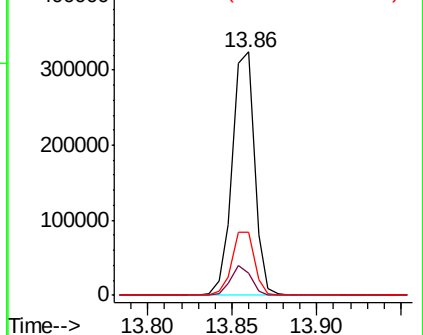
236 25.9 20.7 31.1



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: 23.190 ng

RT: 12.55 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

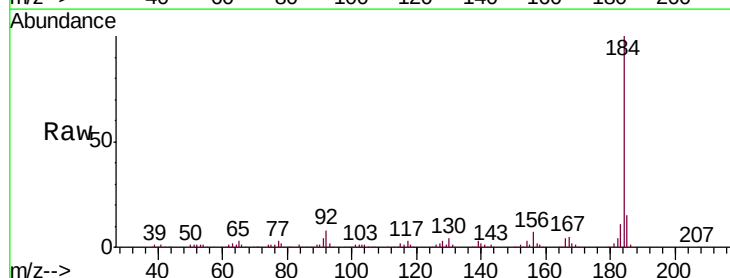
Tgt Ion:184 Resp: 244164

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

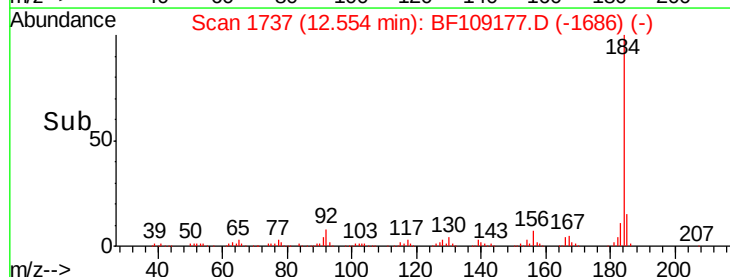
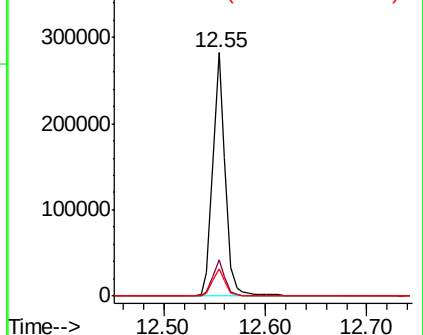
183 11.0 9.3 13.9

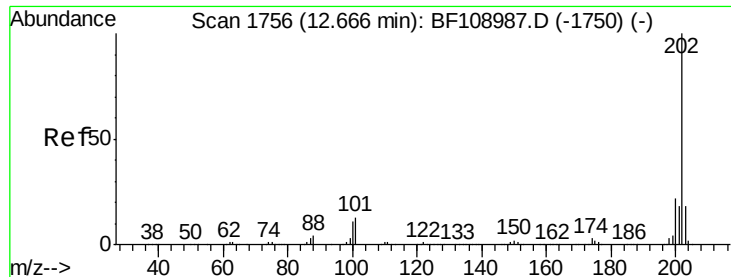


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

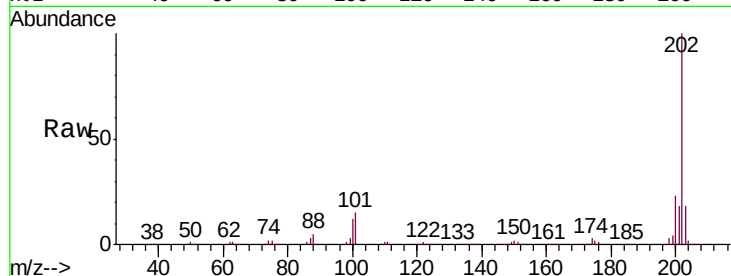




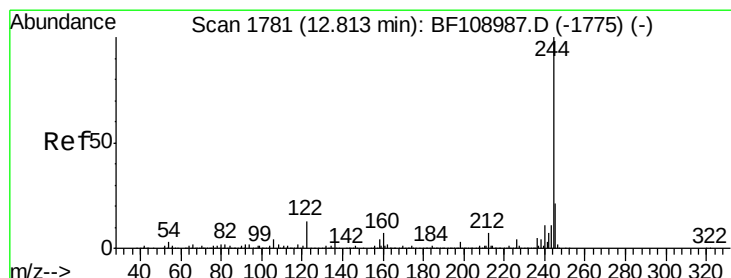
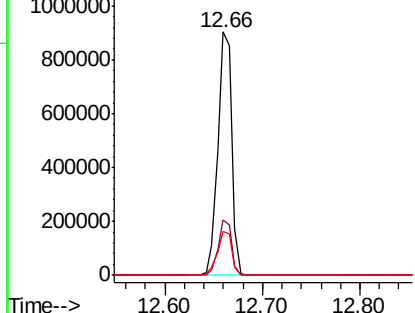
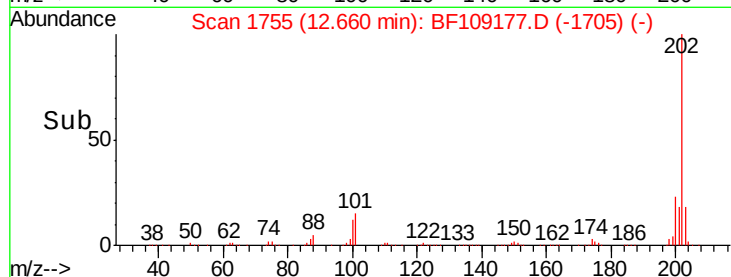
#77  
 Pyrene  
 Concen: 40.401 ng  
 RT: 12.66 min Scan# 1755  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.6  | 17.4  | 26.2  |
| 203     | 17.8  | 14.3  | 21.5  |

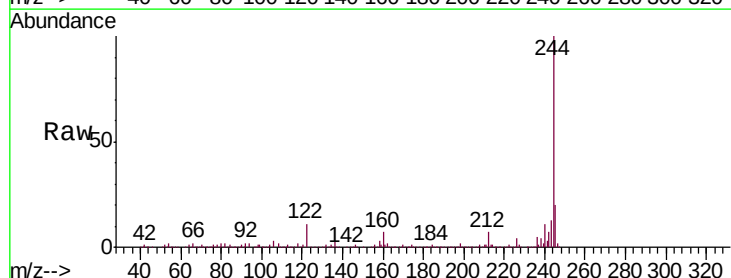


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

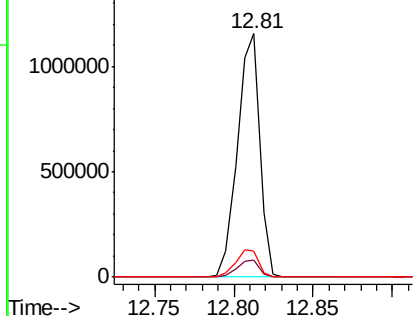
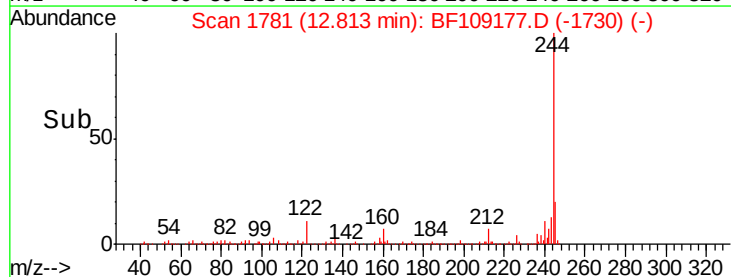


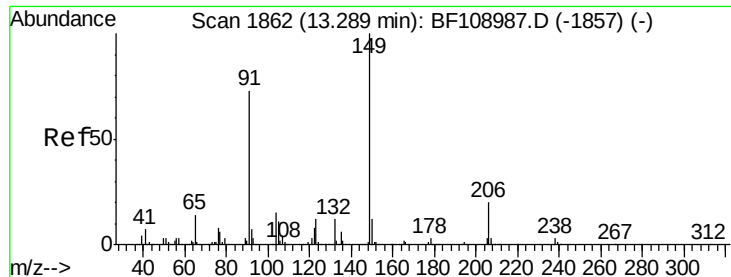
#78  
 Terphenyl-d14  
 Concen: 89.405 ng  
 RT: 12.81 min Scan# 1781  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.4   | 8.0   |
| 122     | 10.7  | 11.0  | 16.4  |



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

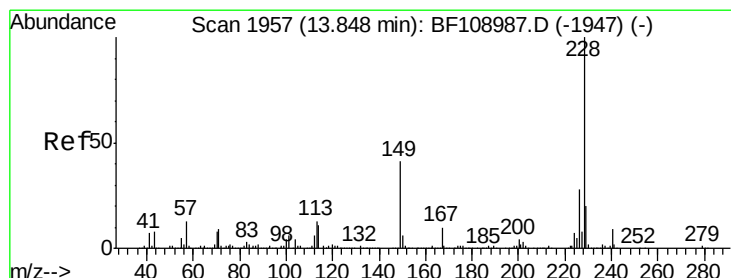
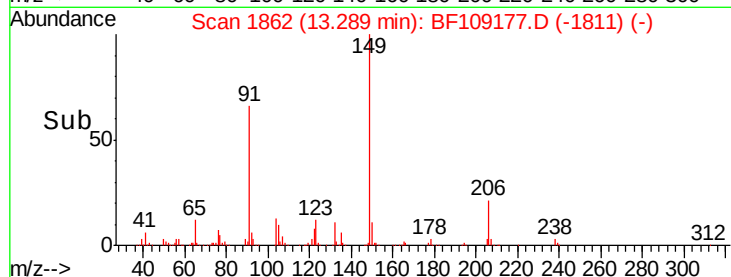
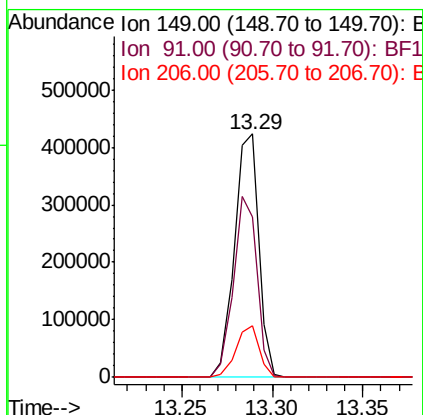
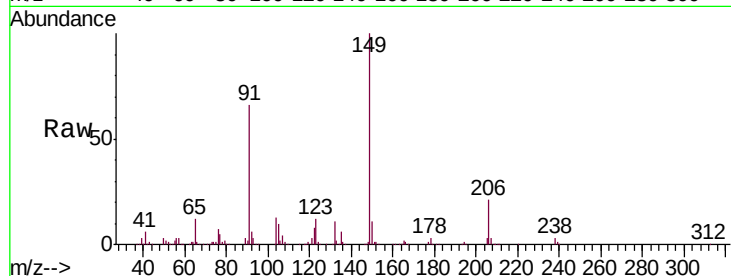




#79  
Butylbenzylphthalate  
Concen: 40.153 ng  
RT: 13.29 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

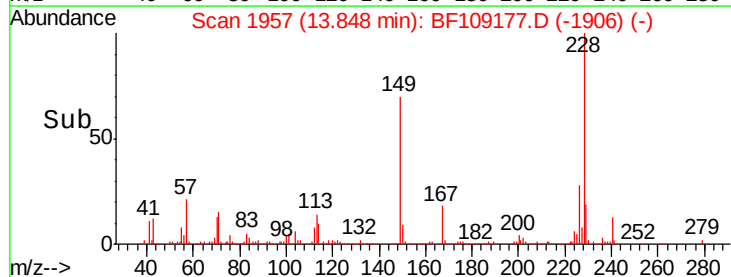
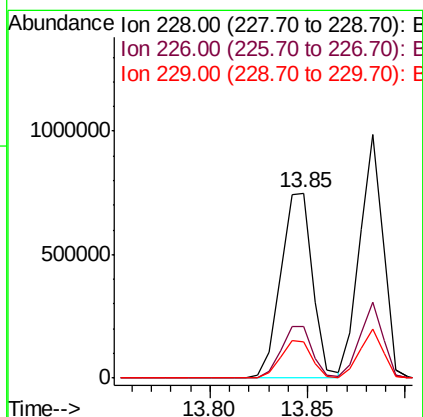
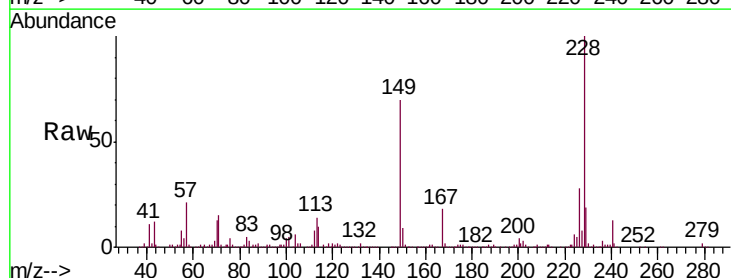
Instrument :  
BNA\_F  
ClientSampleId :  
PB112999BSD

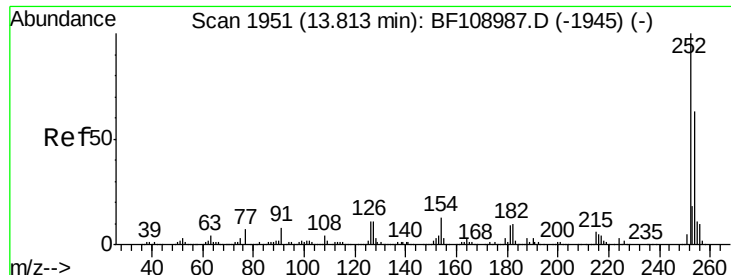
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 65.8  | 56.8  | 85.2  |
| 206     | 21.1  | 14.1  | 21.1  |



#80  
Benzo(a)anthracene  
Concen: 46.969 ng  
RT: 13.85 min Scan# 1957  
Delta R.T. 0.00 min  
Lab File: BF109177.D  
Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 22.6  | 33.8  |
| 229     | 19.4  | 15.8  | 23.6  |

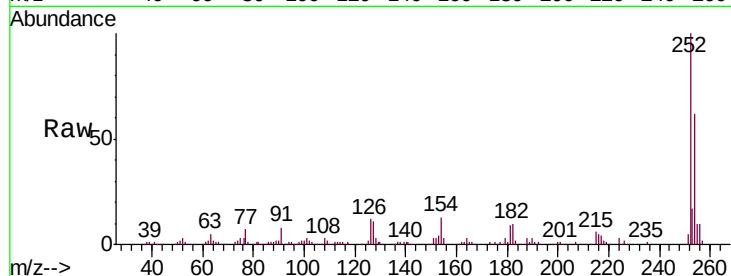




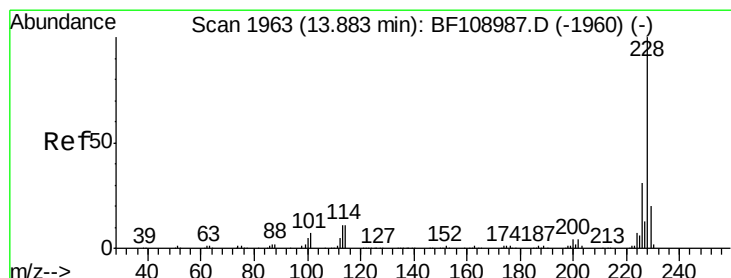
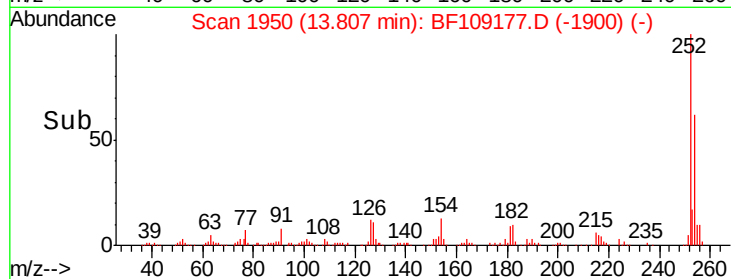
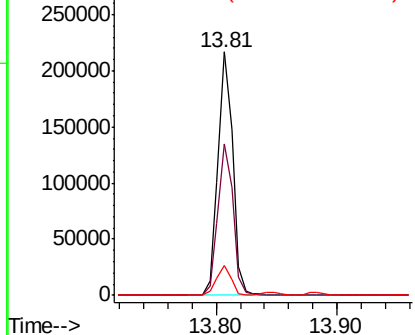
#81  
 3,3'-Dichlorobenzidine  
 Concen: 25.015 ng  
 RT: 13.81 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.0  | 50.4  | 75.6  |
| 126     | 12.1  | 11.3  | 16.9  |

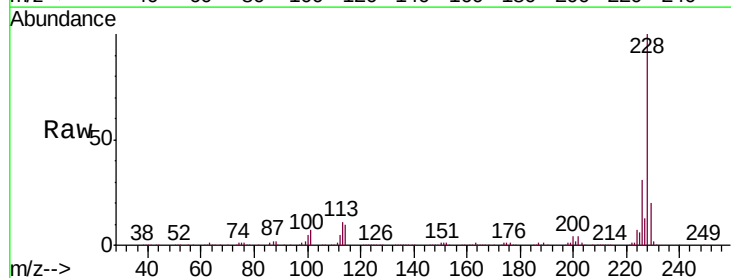


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

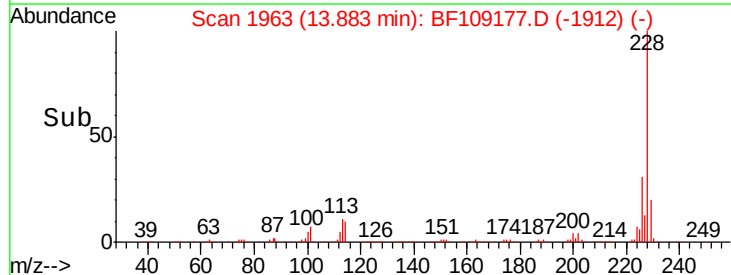
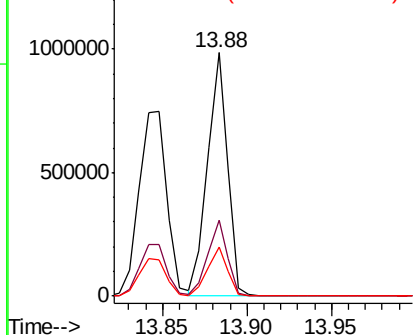


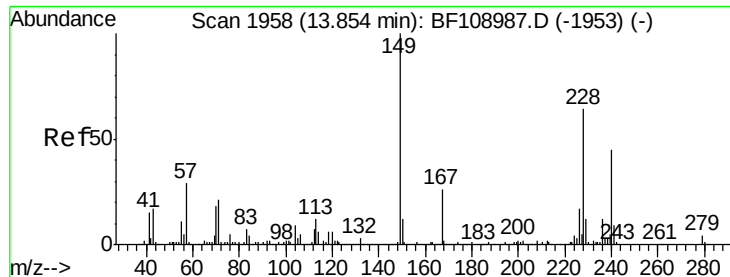
#82  
 Chrysene  
 Concen: 45.616 ng  
 RT: 13.88 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 25.0  | 37.6  |
| 229     | 20.2  | 16.2  | 24.4  |



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

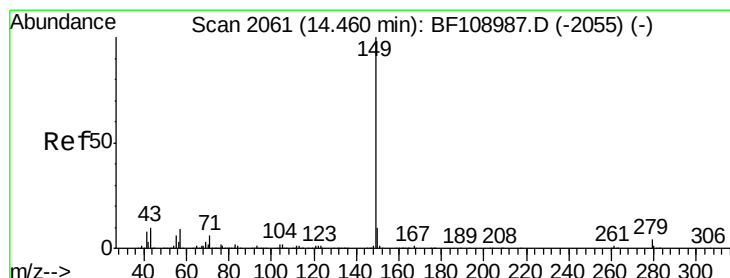
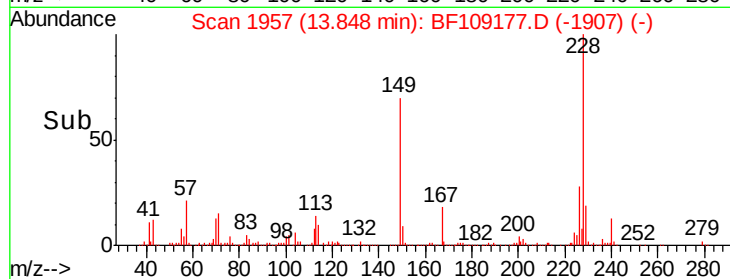
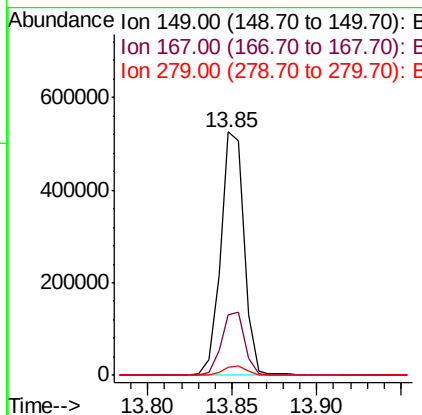
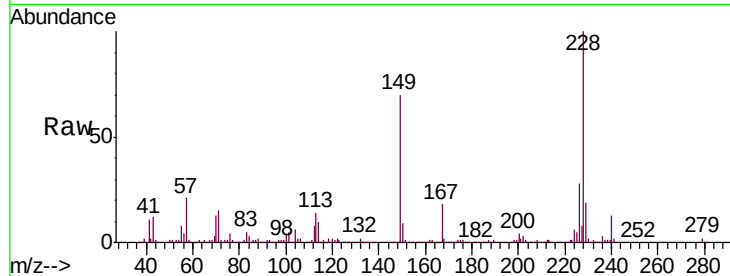




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.457 ng  
 RT: 13.85 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

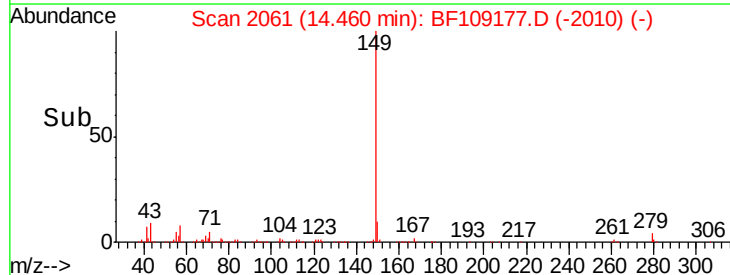
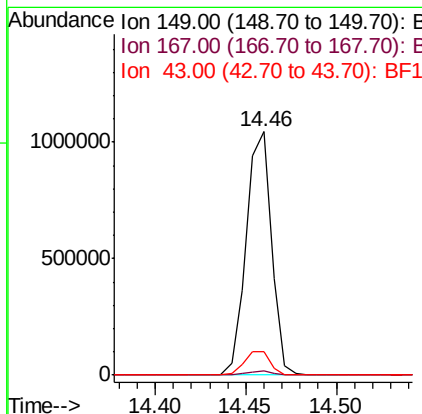
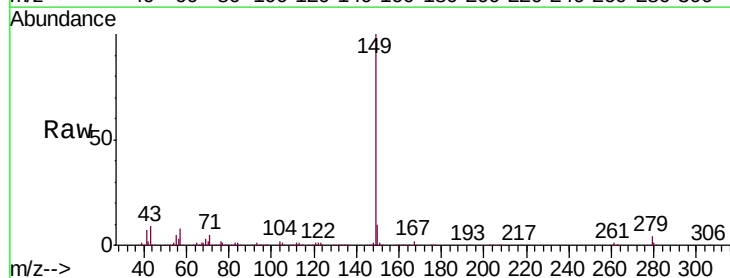
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

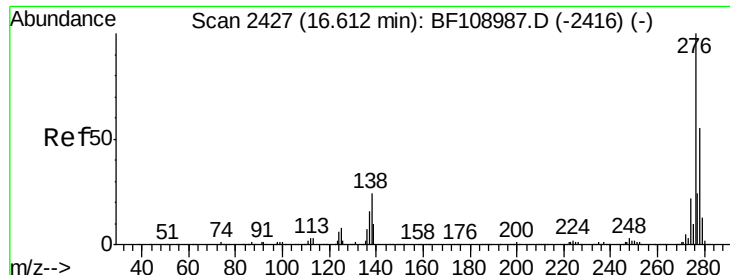
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.0  | 21.3  | 31.9  |
| 279     | 3.5   | 3.0   | 4.4   |



#84  
 Di-n-octyl phthalate  
 Concen: 50.162 ng  
 RT: 14.46 min Scan# 2061  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 9.9   | 8.4   | 12.6  |

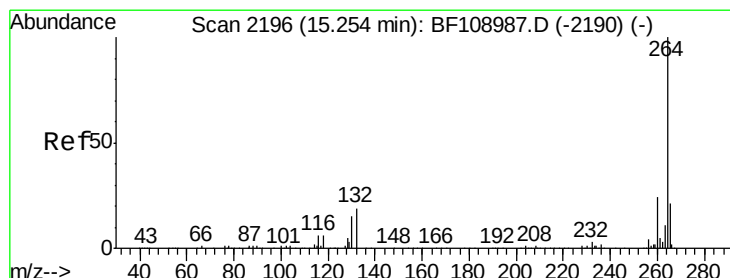
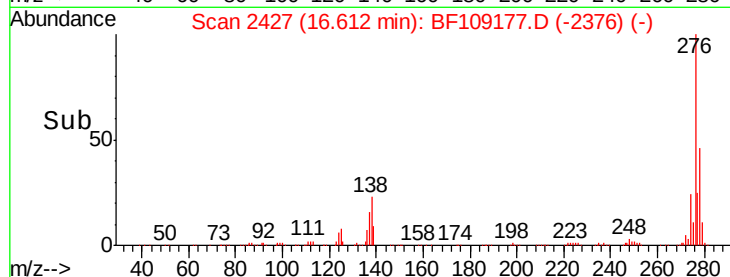
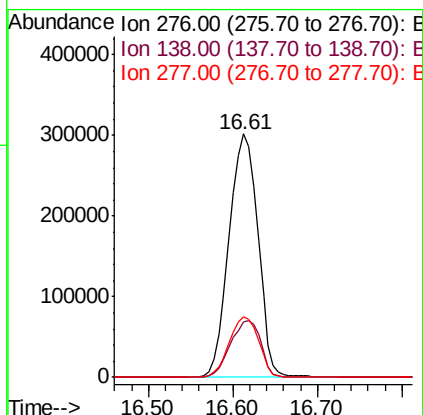
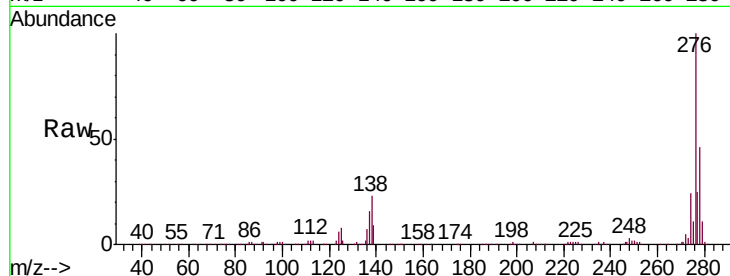




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 49.708 ng  
 RT: 16.61 min Scan# 2427  
 Delta R.T. 0.00 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

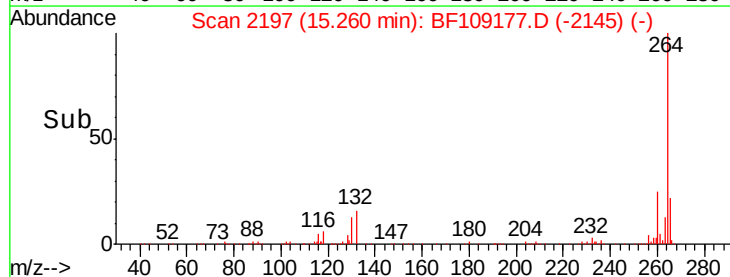
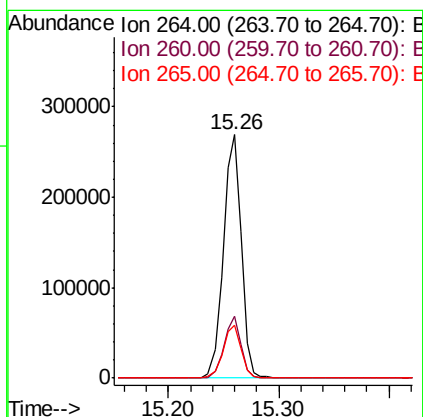
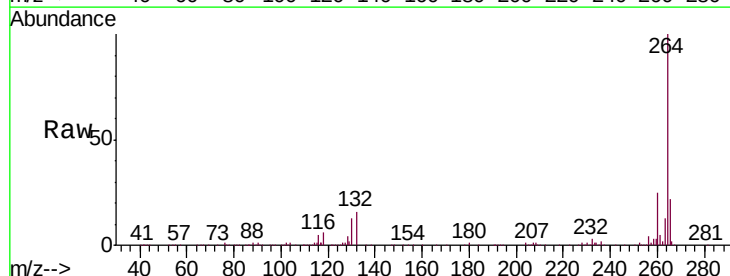
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

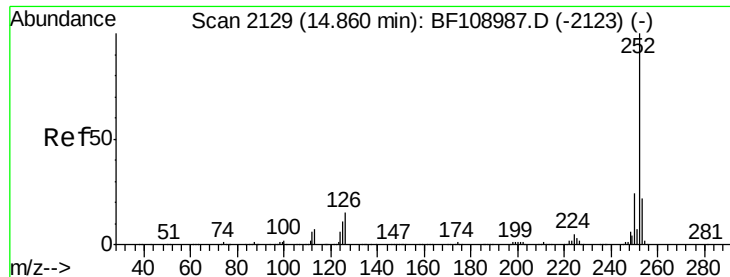
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 25.0  | 37.6# |
| 277     | 25.4  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.26 min Scan# 2197  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

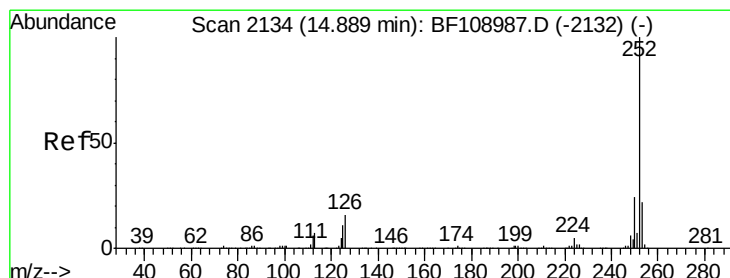
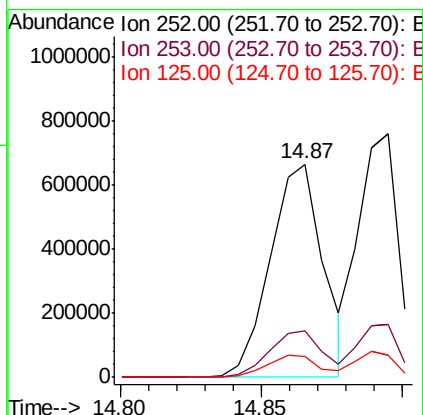
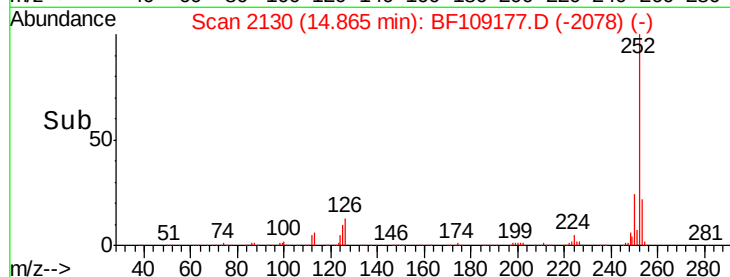
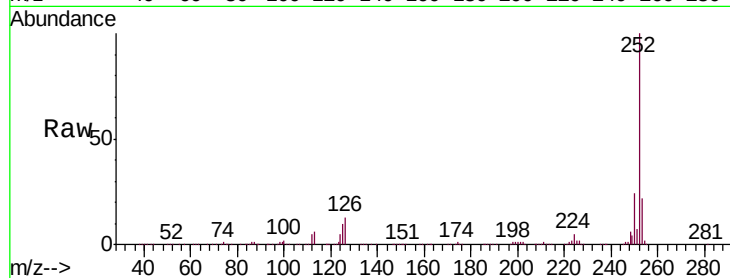




#87  
 Benzo(b)fluoranthene  
 Concen: 51.002 ng  
 RT: 14.87 min Scan# 2130  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

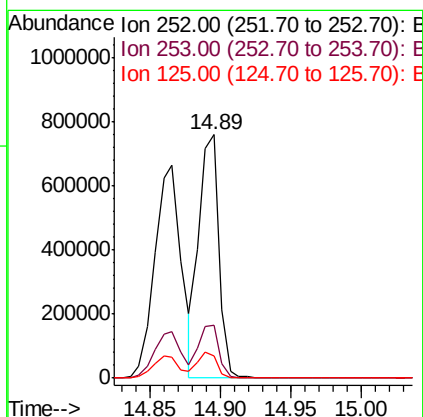
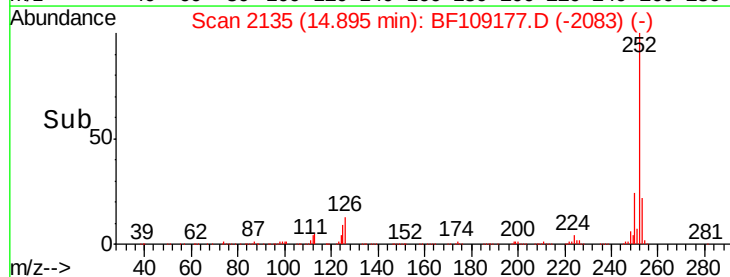
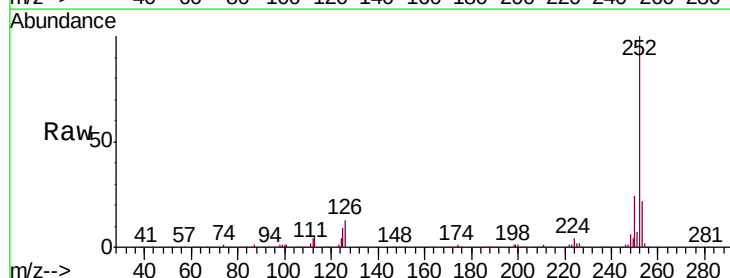
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BSD

Tgt Ion: 252 Resp: 861605  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.0 25.6  
 125 9.7 9.0 13.6

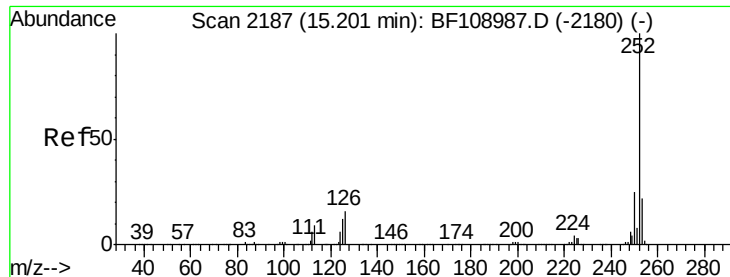


#88  
 Benzo(k)fluoranthene  
 Concen: 47.477 ng  
 RT: 14.89 min Scan# 2135  
 Delta R.T. 0.01 min  
 Lab File: BF109177.D  
 Acq: 20 Sep 2018 6:26

Tgt Ion: 252 Resp: 749134  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 17.9 26.9  
 125 9.0 10.2 15.2#







#89

Benzo(a)pyrene

Concen: 49.732 ng

RT: 15.21 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD

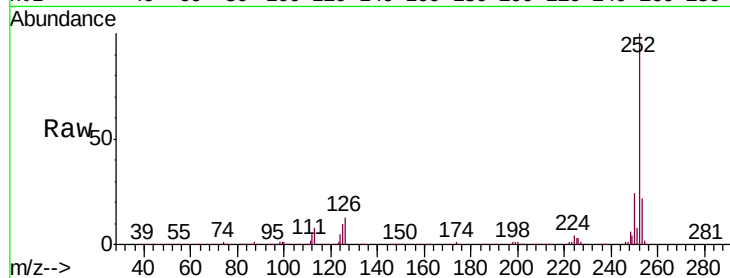
Tgt Ion:252 Resp: 746106

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

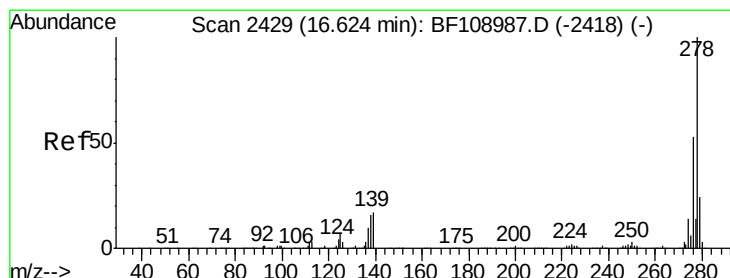
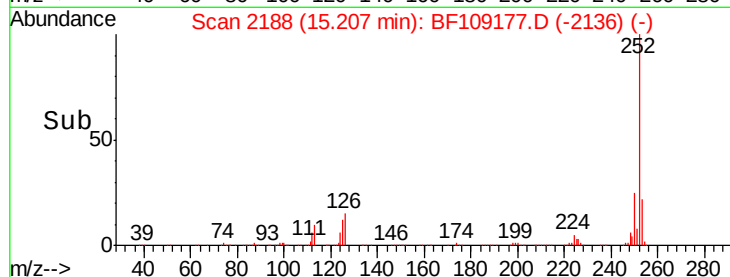
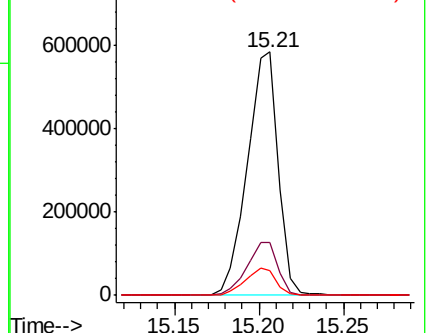
125 10.1 9.8 14.6



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: 47.465 ng

RT: 16.63 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BF109177.D

Acq: 20 Sep 2018 6:26

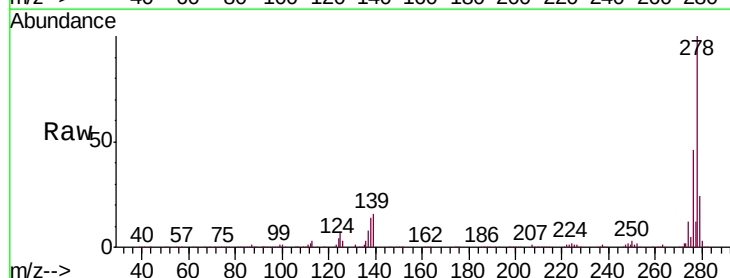
Tgt Ion:278 Resp: 598268

Ion Ratio Lower Upper

278 100

139 16.0 15.9 23.9

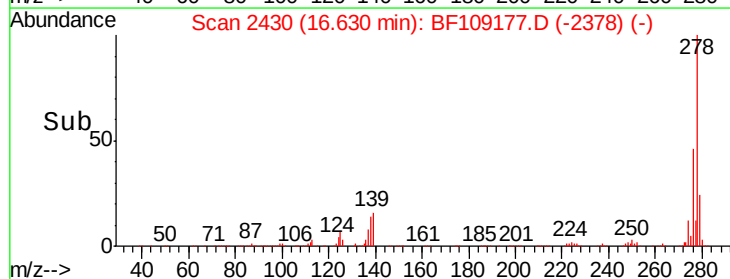
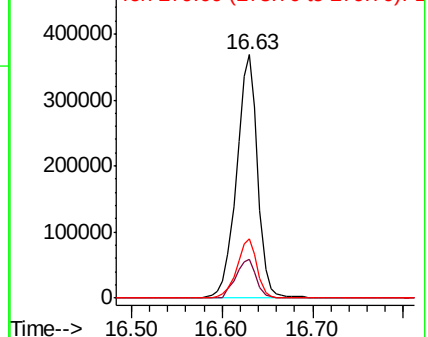
279 24.3 19.0 28.4

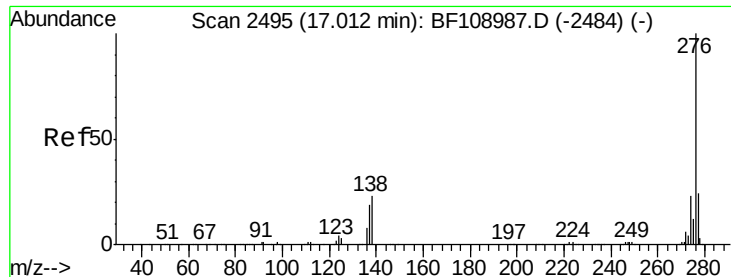


Abundance Ion 278.00 (277.70 to 278.70): E

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: 46.098 ng

RT: 17.02 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BF109177.D

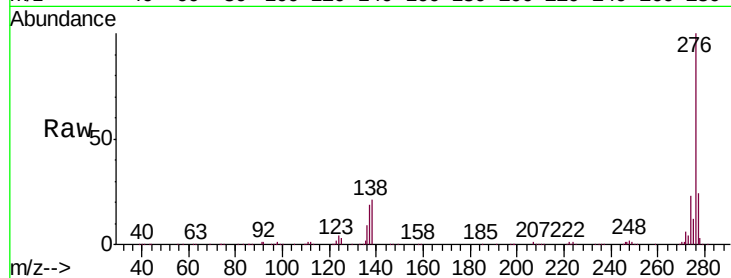
Acq: 20 Sep 2018 6:26

Instrument :

BNA\_F

ClientSampleId :

PB112999BSD



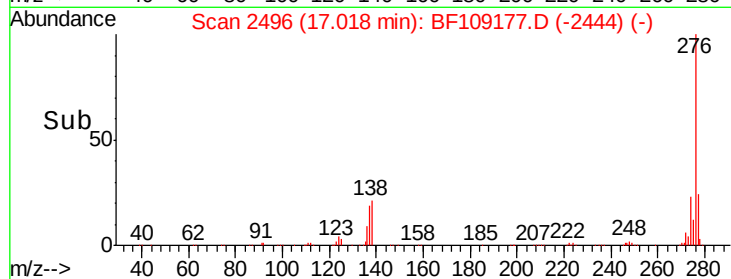
Tgt Ion: 276 Resp: 580908

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 21.4 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

