

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\  
 Data File : BF098200.D  
 Acq On : 31 Aug 2017 17:52  
 Operator : SJ/JU  
 Sample : PB101916BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 01 01:50:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 115643   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 8.00  | 136  | 471045   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.76  | 164  | 228612   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.24 | 188  | 466743   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.87 | 240  | 343471   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.28 | 264  | 253325   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 965838  | 127.04 | ng | -0.01 |
| 7) Phenol-d6             | 6.37  | 99  | 1332103 | 128.96 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.29  | 82  | 831130  | 95.85  | ng | -0.04 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 297211  | 149.84 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 9.08  | 172 | 1319298 | 84.79  | ng | -0.03 |
| 78) Terphenyl-d14        | 12.83 | 244 | 1242529 | 75.44  | ng | -0.02 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.46 | 88  | 151768  | 35.795 | ng | 87     |
| 3) Pyridine                    | 3.16 | 79  | 430371  | 36.717 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.12 | 42  | 163466  | 36.244 | ng | # 74   |
| 6) Aniline                     | 6.39 | 93  | 389575  | 26.846 | ng | # 92   |
| 8) 2-Chlorophenol              | 6.51 | 128 | 343153  | 42.798 | ng | 99     |
| 9) Benzaldehyde                | 6.26 | 77  | 127699  | 19.517 | ng | 88     |
| 10) Phenol                     | 6.38 | 94  | 488397  | 40.426 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93  | 386158  | 42.349 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.66 | 146 | 342376  | 39.698 | ng | # 94   |
| 13) 1,4-Dichlorobenzene        | 6.73 | 146 | 348021  | 39.677 | ng | # 93   |
| 14) 1,2-Dichlorobenzene        | 6.89 | 146 | 322770  | 39.908 | ng | 99     |
| 15) Benzyl Alcohol             | 6.87 | 79  | 331460  | 42.858 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45  | 497125  | 40.520 | ng | 87     |
| 17) 2-Methylphenol             | 6.99 | 107 | 319382  | 45.202 | ng | 95     |
| 18) Hexachloroethane           | 7.23 | 117 | 139695  | 40.622 | ng | # 80   |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70  | 284514  | 40.234 | ng | # 88   |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 383260  | 44.410 | ng | # 89   |
| 22) Acetophenone               | 7.13 | 105 | 504183  | 40.517 | ng | # 90   |
| 24) Nitrobenzene               | 7.30 | 77  | 439543  | 45.527 | ng | 92     |
| 25) Isophorone                 | 7.55 | 82  | 810452  | 44.950 | ng | 97     |
| 26) 2-Nitrophenol              | 7.62 | 139 | 185109  | 52.383 | ng | # 83   |
| 27) 2,4-Dimethylphenol         | 7.66 | 122 | 327836  | 43.598 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 515543  | 43.493 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 286395  | 45.883 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 284465  | 41.110 | ng | 99     |
| 31) Naphthalene                | 8.03 | 128 | 1013394 | 41.440 | ng | 99     |
| 32) Benzoic acid               | 7.81 | 122 | 236368  | 43.791 | ng | 88     |
| 33) 4-Chloroaniline            | 8.07 | 127 | 225542  | 21.869 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.14 | 225 | 162624  | 40.252 | ng | 97     |
| 35) Caprolactam                | 8.46 | 113 | 57587   | 27.138 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 356261  | 44.423 | ng | # 81   |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 673135  | 44.897 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 267654  | 38.149 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 8.87 | 237 | 305022  | 90.496 | ng | 99     |

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 Response via : Initial Calibration

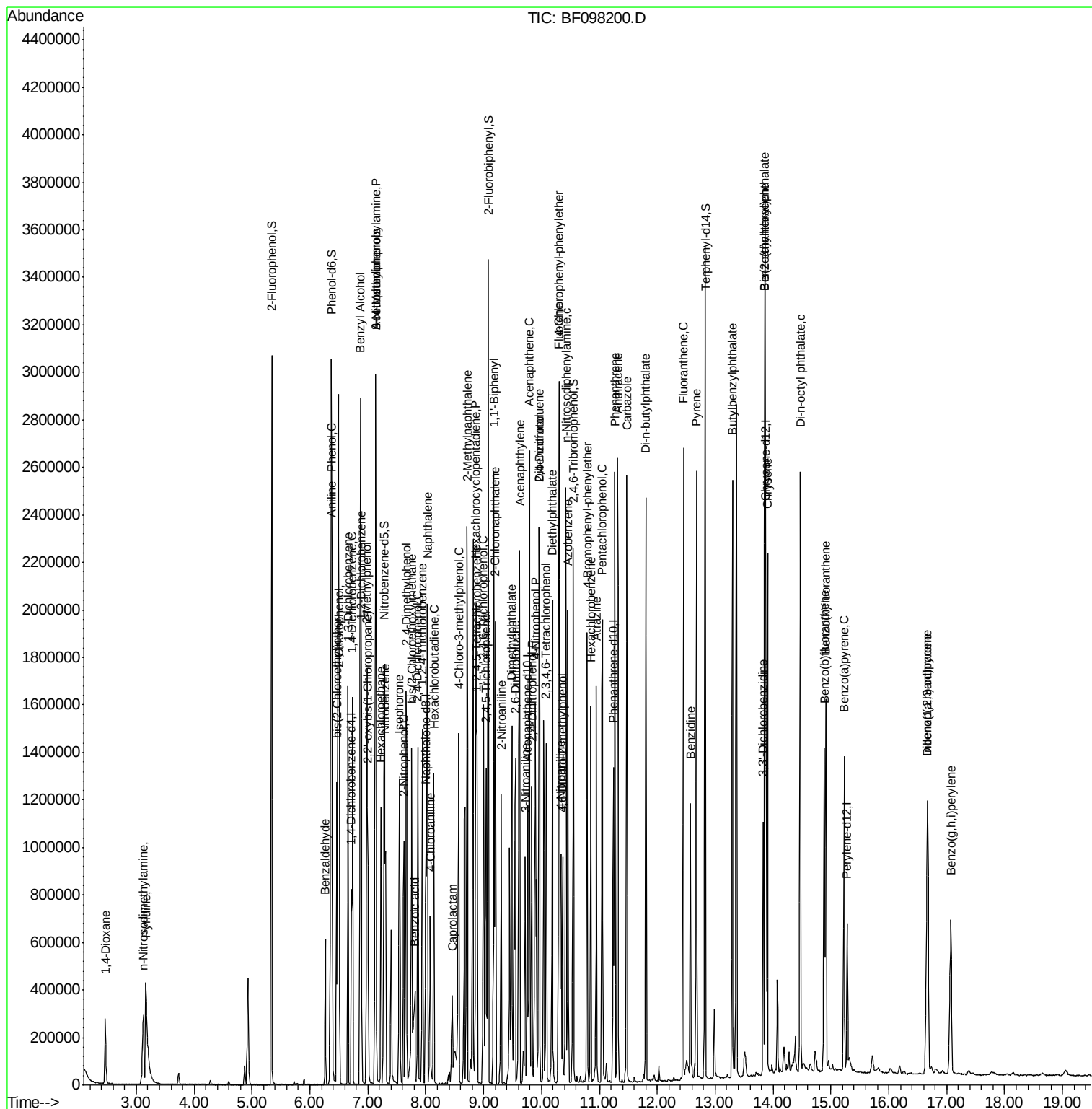
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 202160   | 42.918 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.04  | 196  | 211204   | 45.196 | nq    | 96       |
| 45) 1,1'-Biphenyl              | 9.18  | 154  | 806381   | 38.680 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 590794   | 38.354 | nq    | # 91     |
| 47) 2-Nitroaniline             | 9.30  | 65   | 236562   | 45.811 | nq    | 96       |
| 48) Acenaphthylene             | 9.62  | 152  | 981123   | 40.561 | nq    | 99       |
| 49) Dimethylphthalate          | 9.49  | 163  | 757285   | 45.317 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.55  | 165  | 161976   | 48.559 | nq    | # 73     |
| 51) Acenaphthene               | 9.79  | 154  | 581192   | 38.097 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.72  | 138  | 132973   | 30.898 | nq    | 90       |
| 53) 2,4-Dinitrophenol          | 9.83  | 184  | 155888   | 95.933 | nq    | # 77     |
| 54) Dibenzofuran               | 9.96  | 168  | 882463   | 43.160 | nq    | 100      |
| 55) 4-Nitrophenol              | 9.89  | 139  | 284049   | 82.739 | nq    | # 47     |
| 56) 2,4-Dinitrotoluene         | 9.96  | 165  | 212219   | 50.696 | nq    | # 61     |
| 57) Fluorene                   | 10.31 | 166  | 668154   | 42.267 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 184333   | 50.949 | nq    | 92       |
| 59) Diethylphthalate           | 10.19 | 149  | 796825   | 45.597 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 316611   | 43.112 | nq    | 88       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 194890   | 47.647 | nq    | 82       |
| 62) Azobenzene                 | 10.46 | 77   | 910976   | 43.886 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198  | 104866   | 47.734 | nq    | 87       |
| 65) n-Nitrosodiphenylamine     | 10.42 | 169  | 631863   | 39.755 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 202025   | 41.682 | nq    | 96       |
| 67) Hexachlorobenzene          | 10.85 | 284  | 197989   | 40.077 | nq    | # 84     |
| 68) Atrazine                   | 10.95 | 200  | 207714   | 49.279 | nq    | 97       |
| 69) Pentachlorophenol          | 11.05 | 266  | 226089   | 78.492 | nq    | 99       |
| 70) Phenanthrene               | 11.27 | 178  | 1008616  | 40.553 | nq    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 1045181  | 41.432 | nq    | 100      |
| 72) Carbazole                  | 11.47 | 167  | 975287   | 40.730 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 1314044  | 47.642 | nq    | 100      |
| 74) Fluoranthene               | 12.45 | 202  | 1087333  | 41.885 | nq    | 99       |
| 76) Benzidine                  | 12.57 | 184  | 445116   | 39.525 | nq    | # 91     |
| 77) Pyrene                     | 12.68 | 202  | 1091462  | 38.853 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.30 | 149  | 545072   | 50.608 | nq    | # 71     |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 786769   | 38.219 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.83 | 252  | 196216   | 28.247 | nq    | # 95     |
| 82) Chrysene                   | 13.90 | 228  | 802979   | 39.212 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 669169   | 56.068 | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 1182361  | 56.936 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.66 | 276  | 628836   | 41.743 | nq    | 95       |
| 87) Benzo(b)fluoranthene       | 14.89 | 252  | 708887   | 44.395 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 14.91 | 252  | 622568   | 41.499 | nq    | # 95     |
| 89) Benzo(a)pyrene             | 15.23 | 252  | 623205   | 44.087 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.67 | 278  | 518041   | 45.015 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.07 | 276  | 529452   | 44.092 | nq    | # 93     |

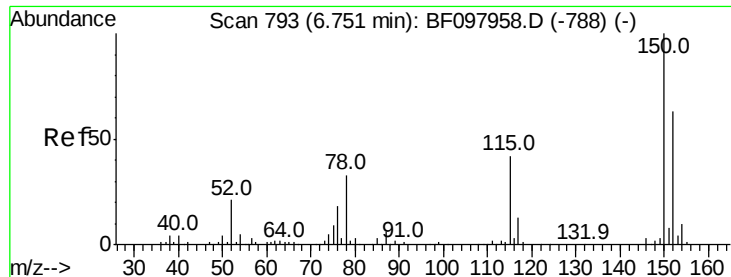
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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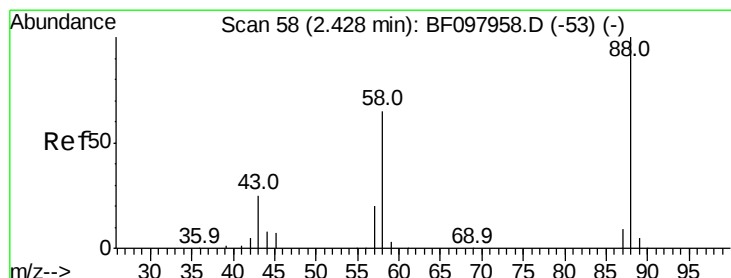
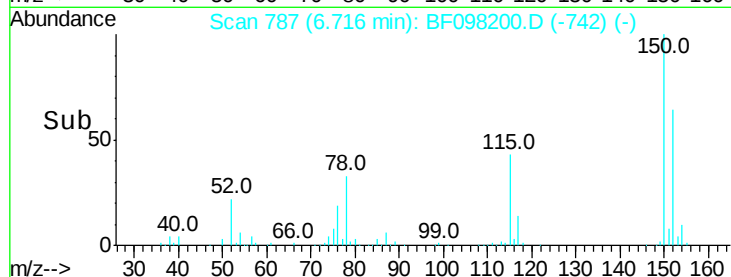
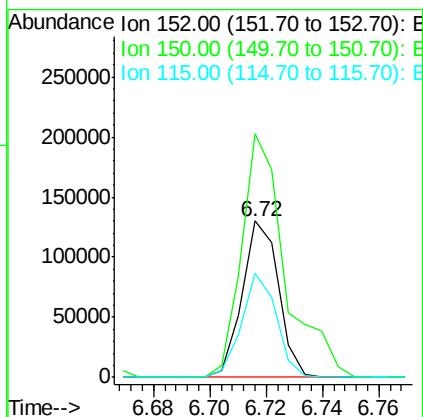
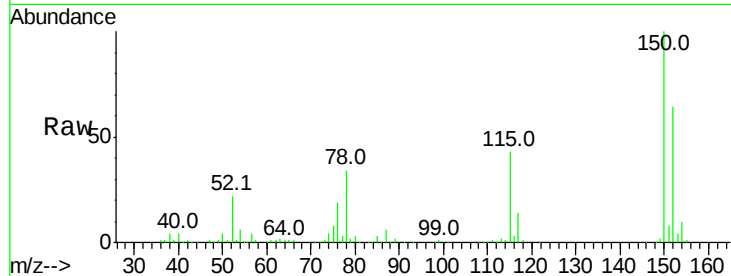


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampleId :

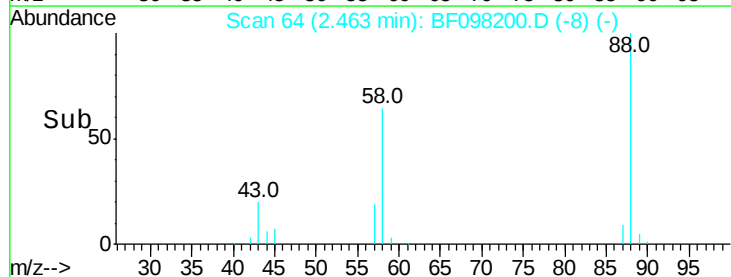
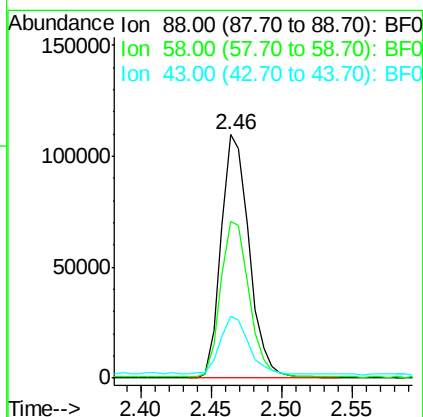
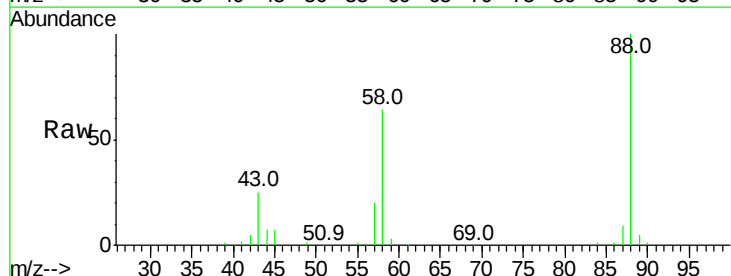
Tot Ion:152 Resp: 115643  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.2 189.2  
115 66.7 52.2 78.2

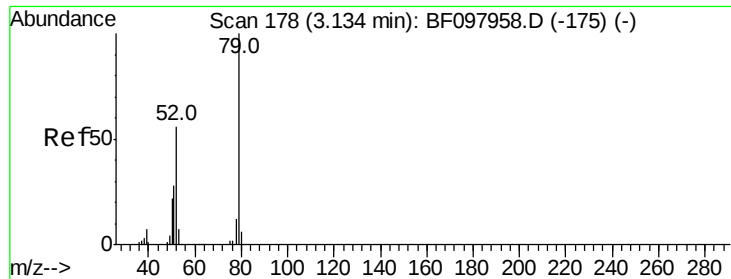


#2

1,4-Dioxane  
Concen: 35.795 ng  
RT: 2.46 min Scan# 64  
Delta R.T. 0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion: 88 Resp: 151768  
Ion Ratio Lower Upper  
88 100  
58 64.6 61.4 92.0  
43 24.0 23.4 35.0





#3

Pvridine

Concen: 36.717 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

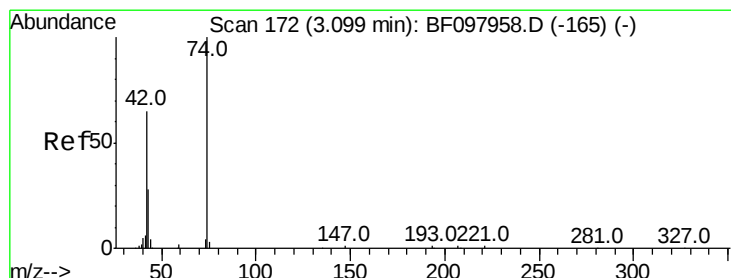
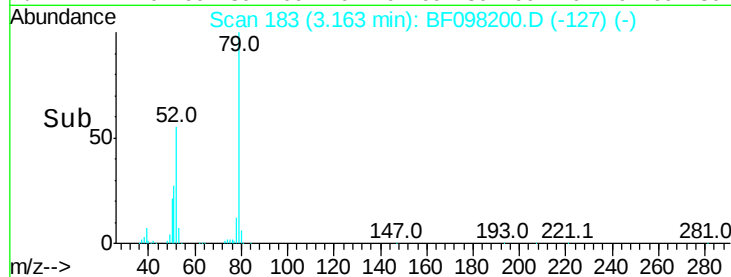
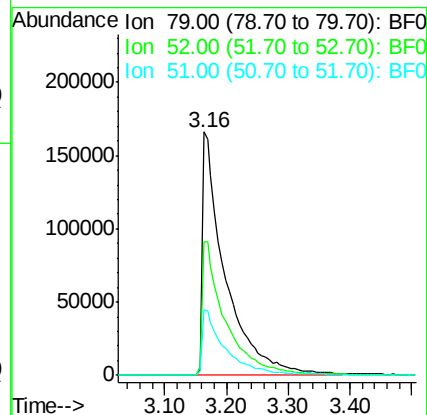
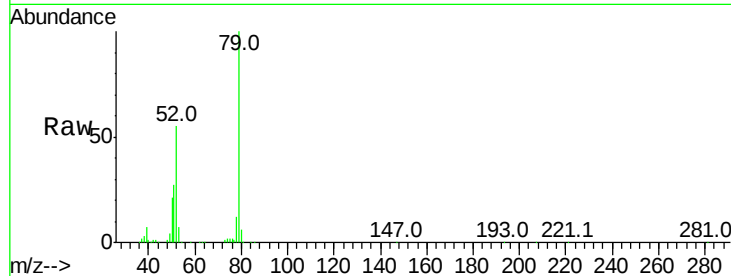
Tot Ion: 79 Resp: 430371

Ion Ratio Lower Upper

79 100

52 54.9 54.8 82.2

51 26.8 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 36.244 ng

RT: 3.12 min Scan# 176

Delta R.T. 0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

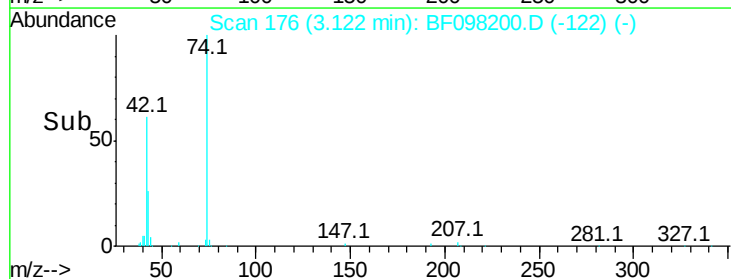
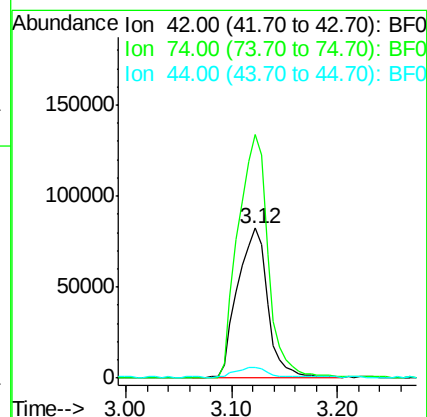
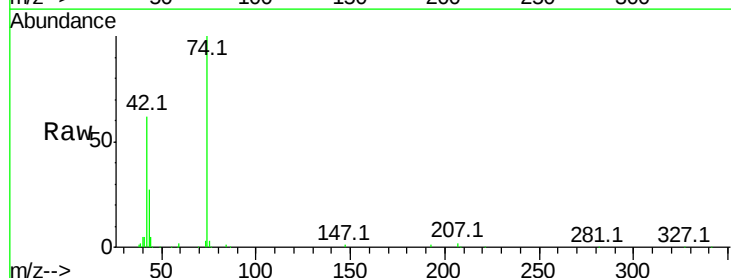
Tgt Ion: 42 Resp: 163466

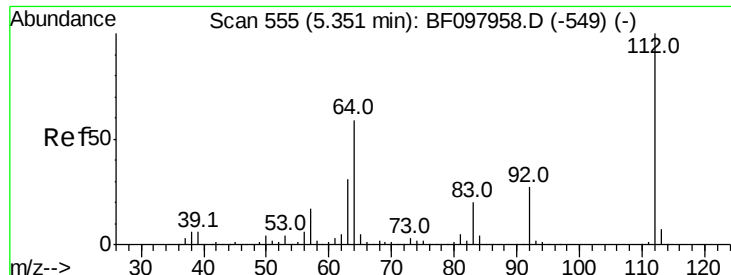
Ion Ratio Lower Upper

42 100

74 162.4 103.9 155.9#

44 7.5 5.7 8.5





#5

2-Fluorophenol

Concen: 127.038 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampled :

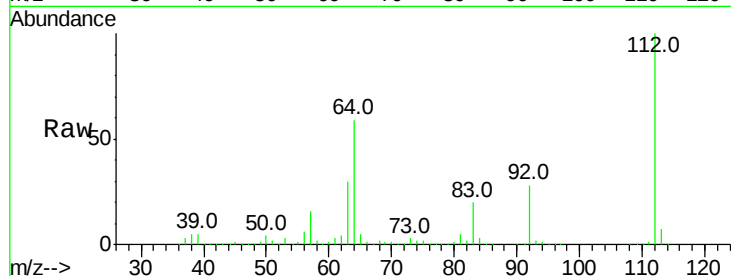
Tot Ion:112 Resp: 965838

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

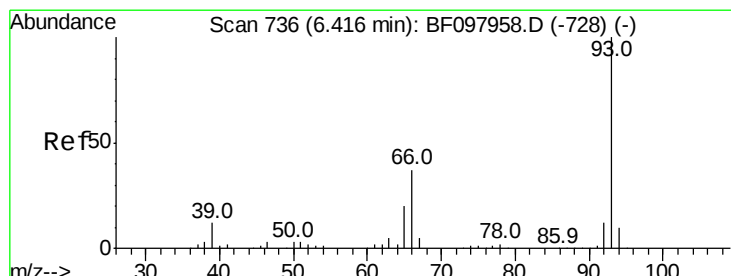
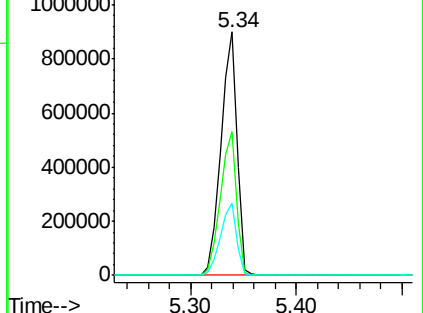
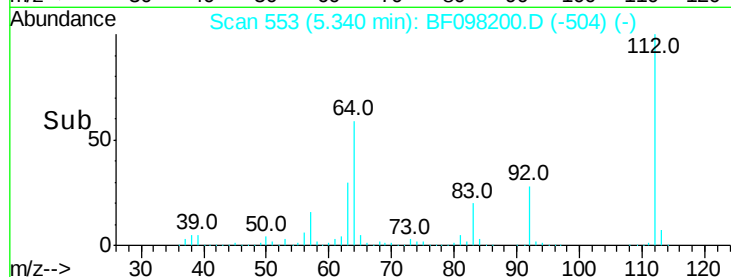
63 29.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.846 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

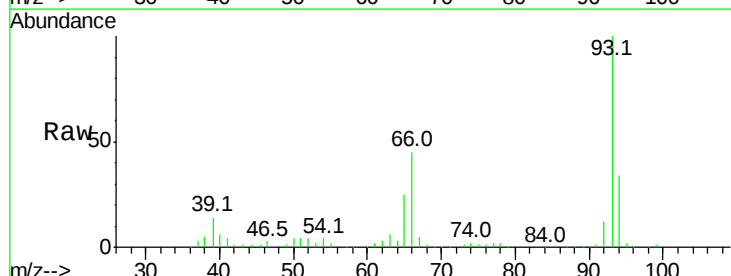
Tgt Ion: 93 Resp: 389575

Ion Ratio Lower Upper

93 100

66 45.4 32.9 49.3

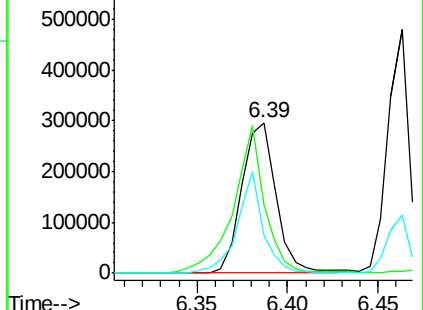
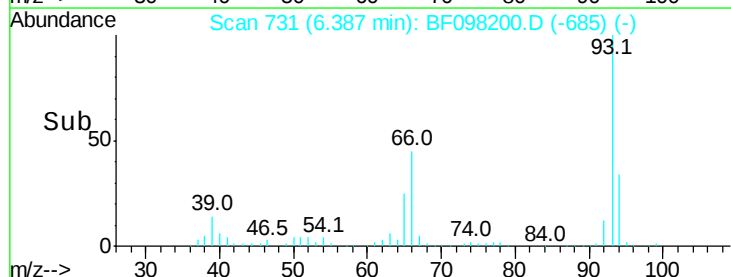
65 25.2 16.0 24.0#

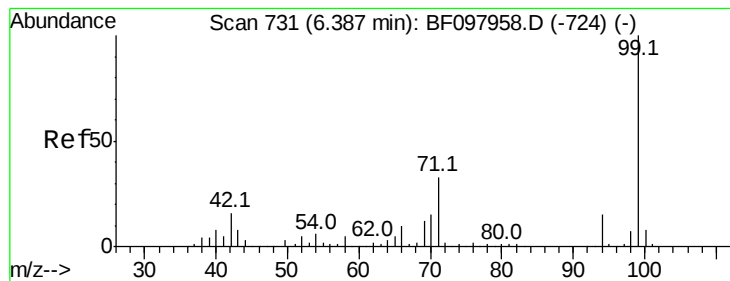


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.956 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampled :

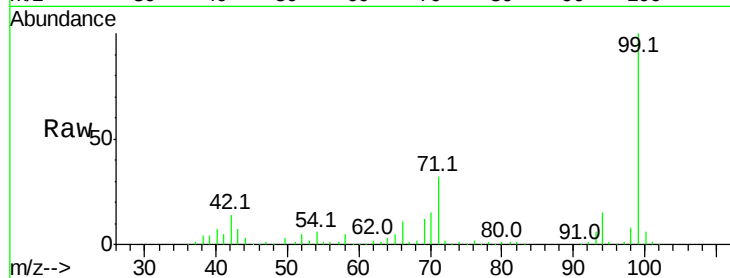
Tot Ion: 99 Resp: 1332103

Ion Ratio Lower Upper

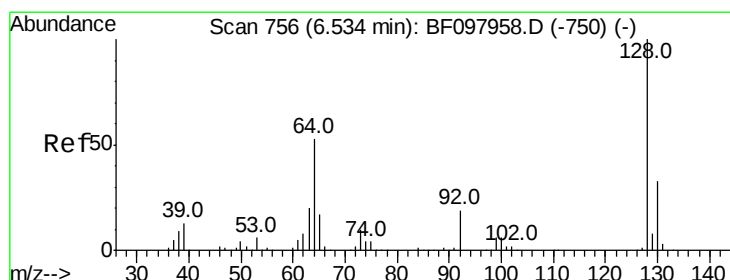
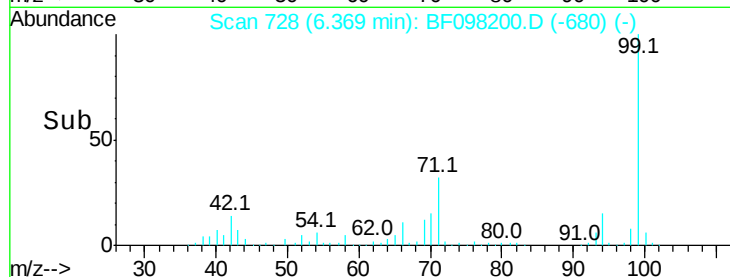
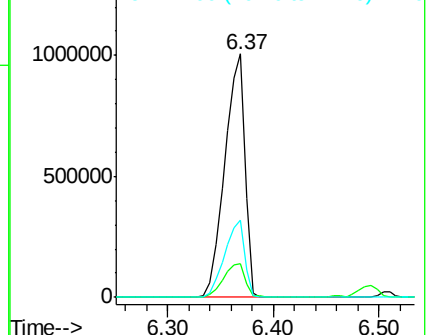
99 100

42 14.1 13.5 20.3

71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.798 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

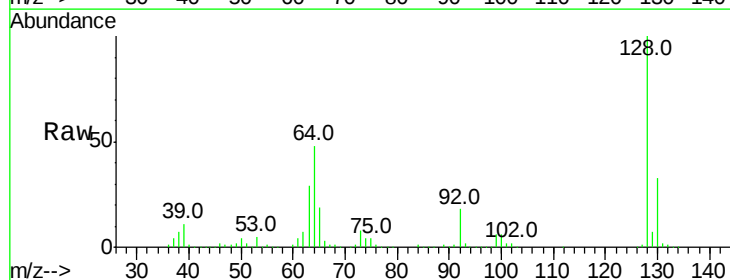
Tgt Ion:128 Resp: 343153

Ion Ratio Lower Upper

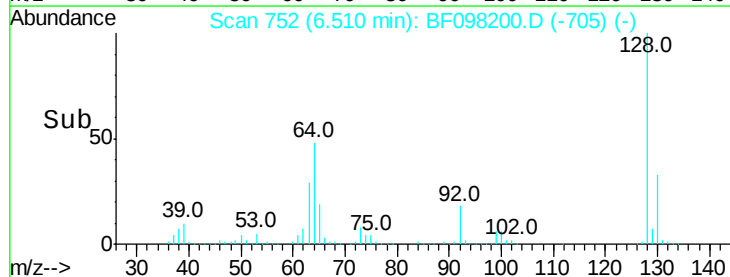
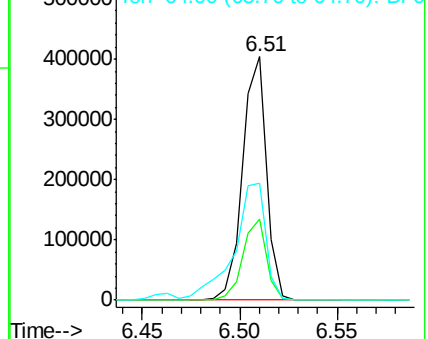
128 100

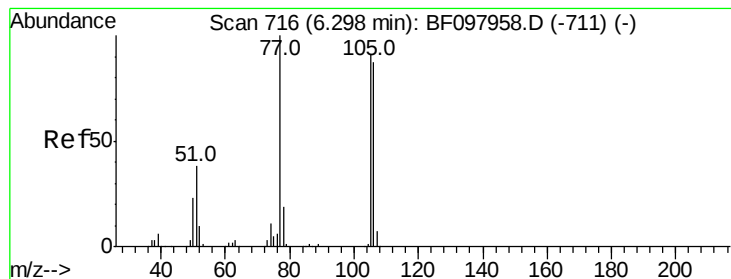
130 33.2 12.9 52.9

64 48.0 28.4 68.4



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): BF0





#9

Benzaldehyde

Concen: 19.517 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.04 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

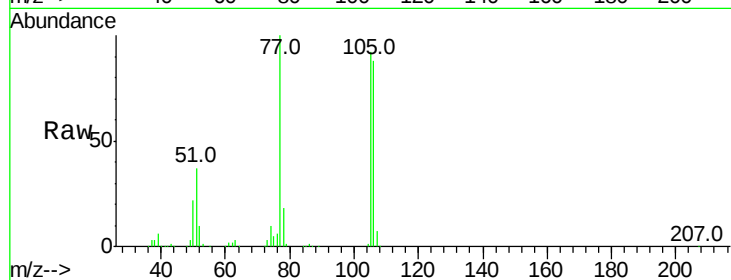
Tot Ion: 77 Resp: 127699

Ion Ratio Lower Upper

77 100

105 91.9 83.8 123.8

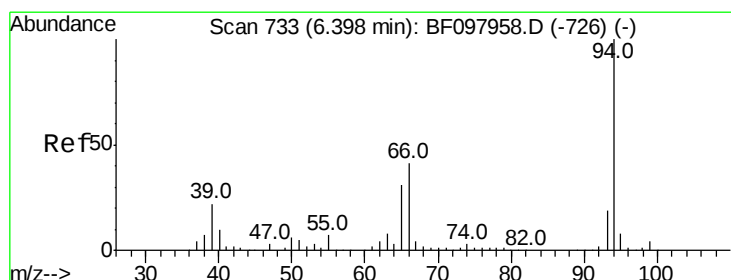
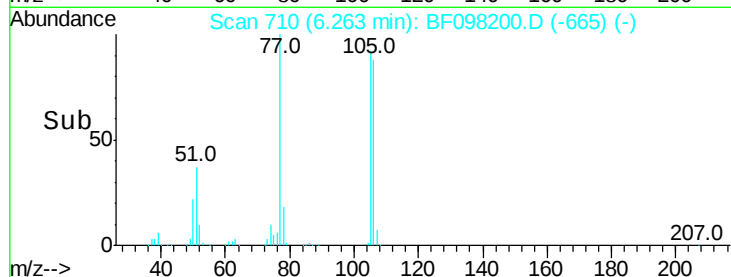
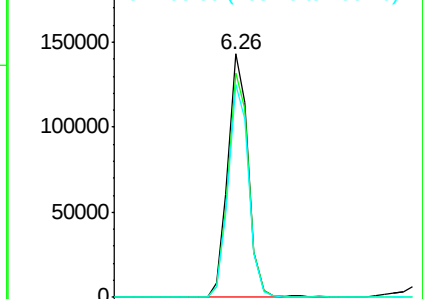
106 87.5 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 40.426 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

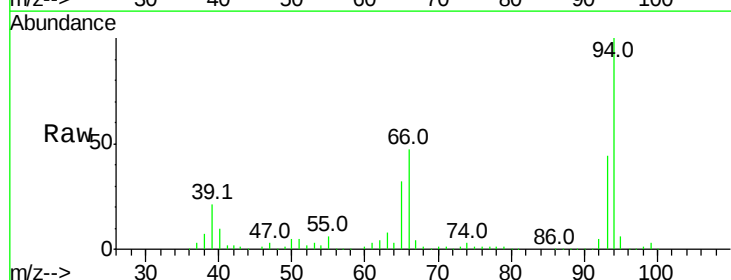
Tgt Ion: 94 Resp: 488397

Ion Ratio Lower Upper

94 100

65 32.1 9.9 49.9

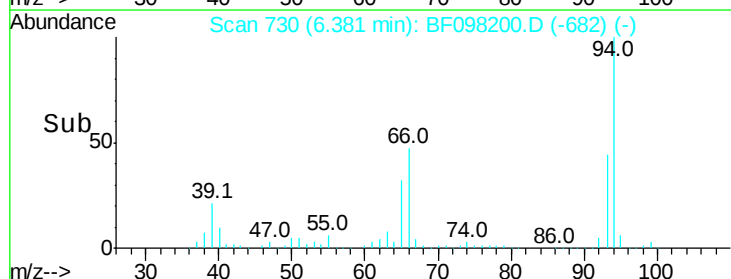
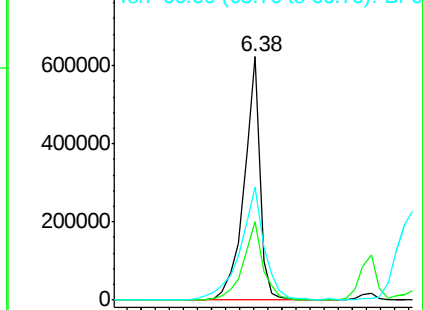
66 46.6 23.1 63.1

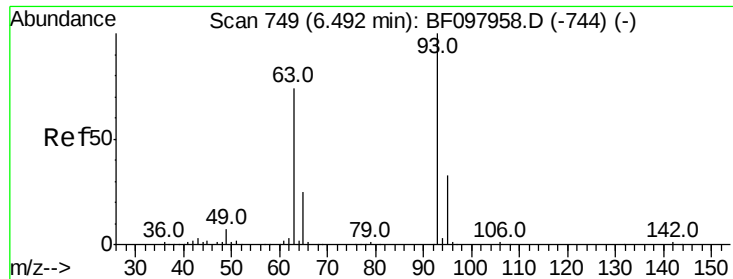


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

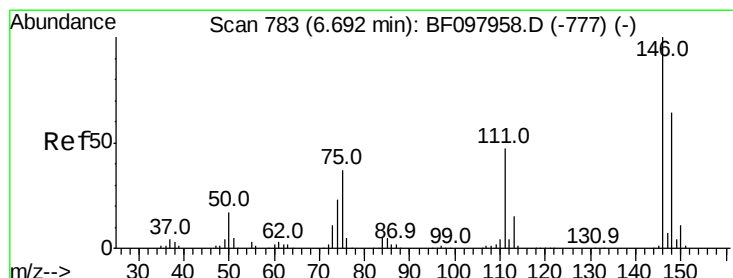
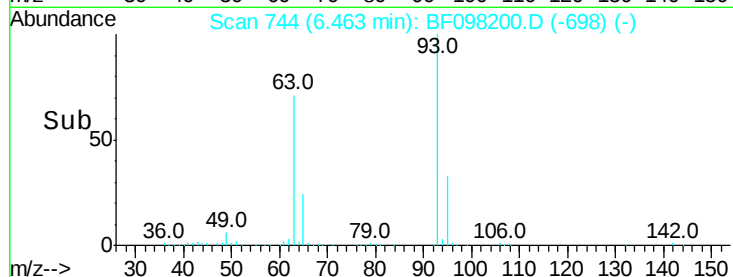
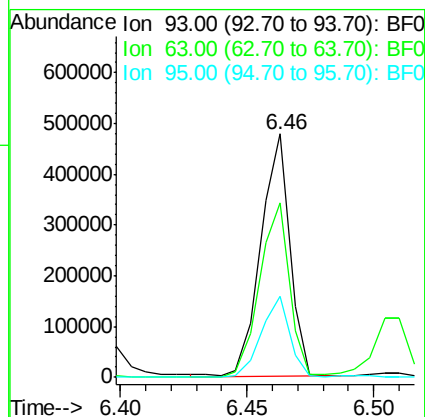
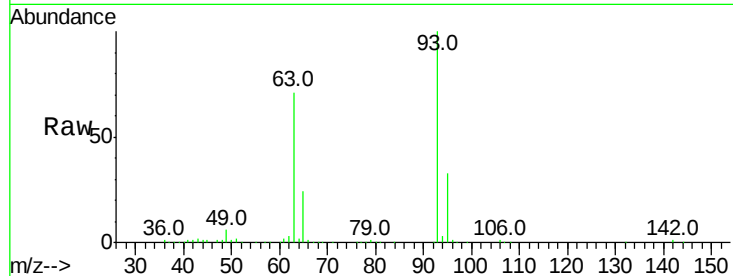




#11  
bis(2-Chloroethyl)ether  
Concen: 42.349 ng  
RT: 6.46 min Scan# 744  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

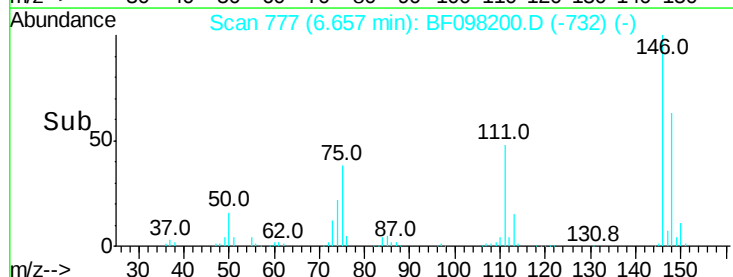
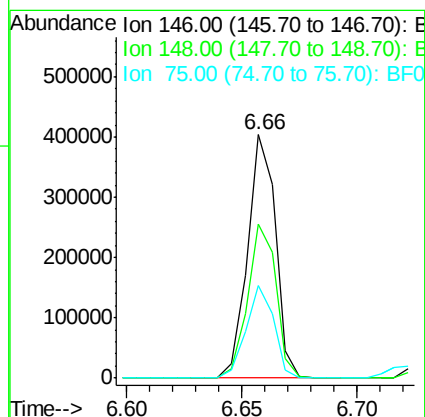
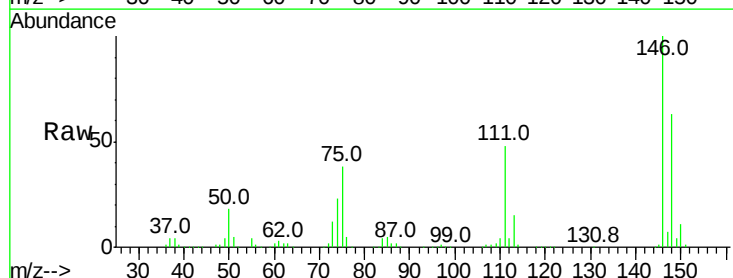
Instrument :  
BNA\_F  
ClientSampleId :

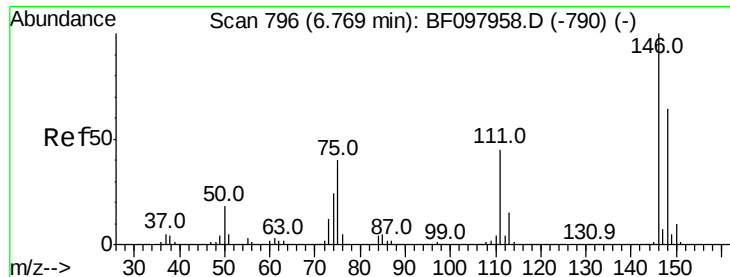
Tot Ion: 93 Resp: 386158  
Ion Ratio Lower Upper  
93 100  
63 71.5 59.2 99.2  
95 33.2 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 39.698 ng  
RT: 6.66 min Scan# 777  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion: 146 Resp: 342376  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.8 77.6  
75 38.1 23.1 34.7#

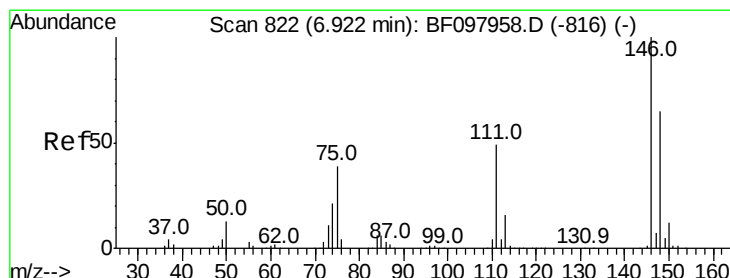
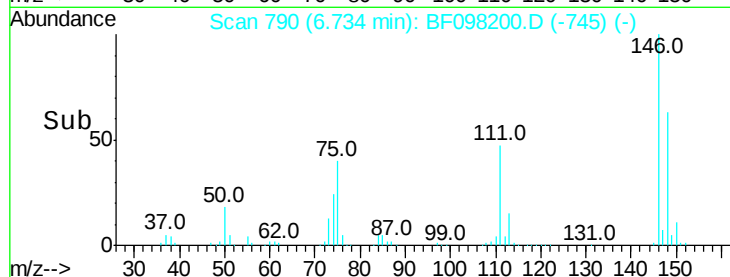
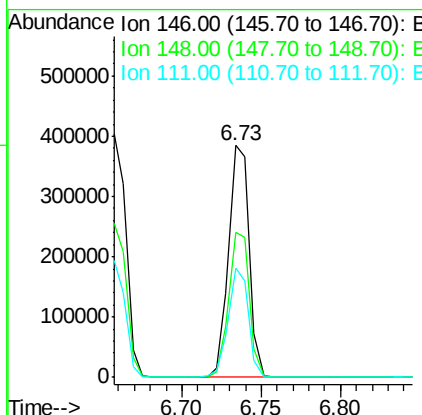
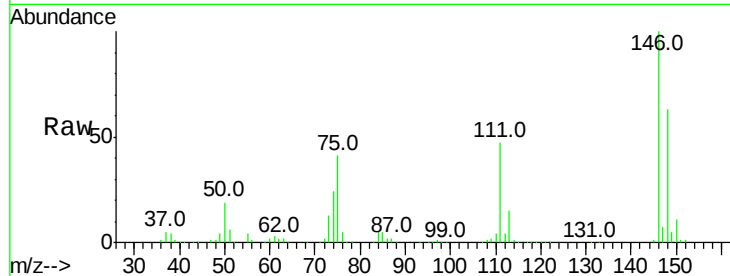




#13  
 1,4-Dichlorobenzene  
 Concen: 39.677 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. -0.04 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

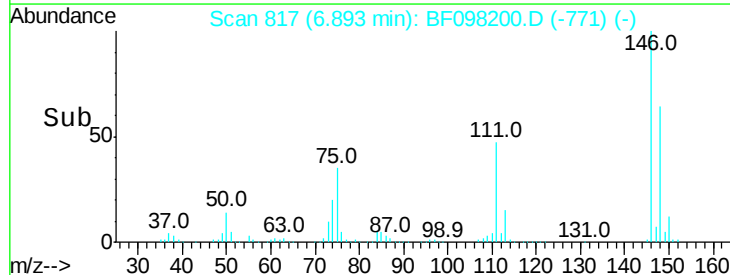
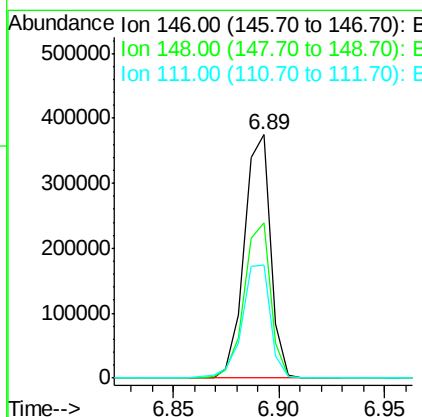
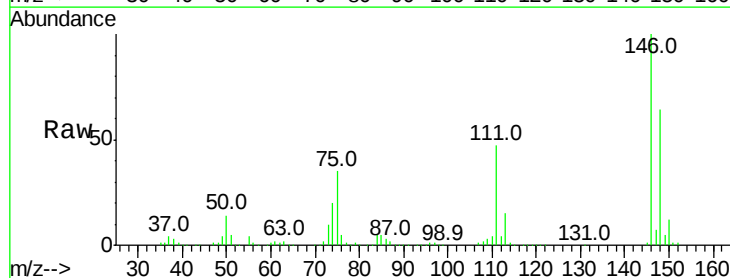
Instrument :  
 BNA\_F  
 ClientSampleId :

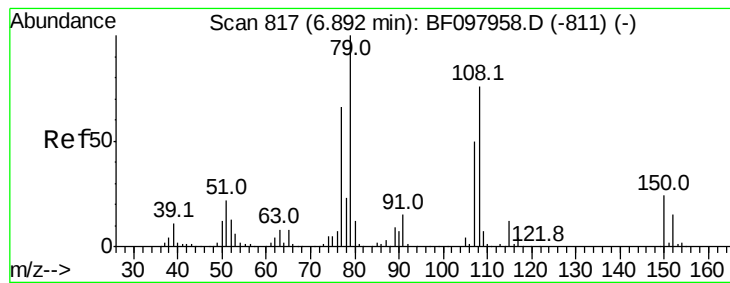
Tot Ion:146 Resp: 348021  
 Ion Ratio Lower Upper  
 146 100  
 148 62.8 52.2 78.2  
 111 47.0 30.3 45.5#



#14  
 1,2-Dichlorobenzene  
 Concen: 39.908 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:146 Resp: 322770  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 50.4 75.6  
 111 46.7 38.2 57.4





#15

Benzyl Alcohol

Concen: 42.858 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampled :

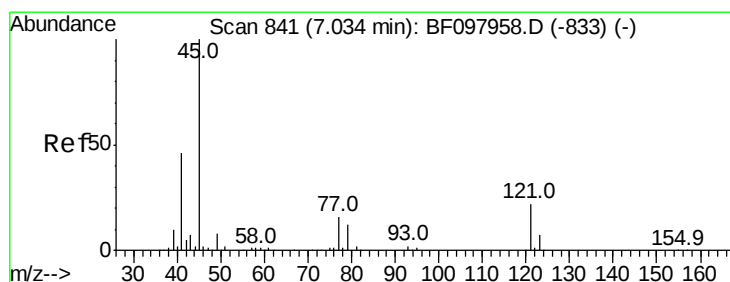
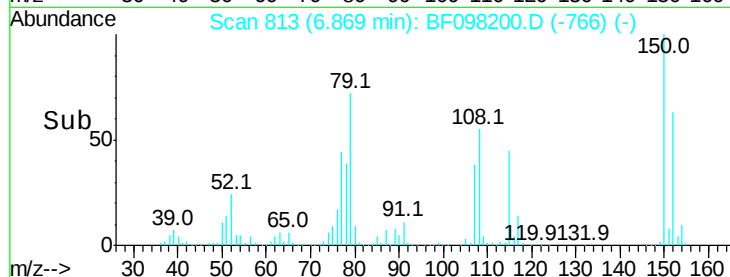
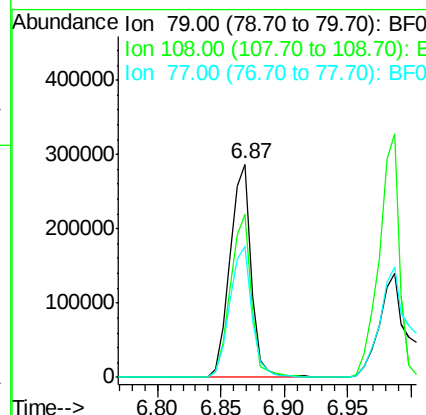
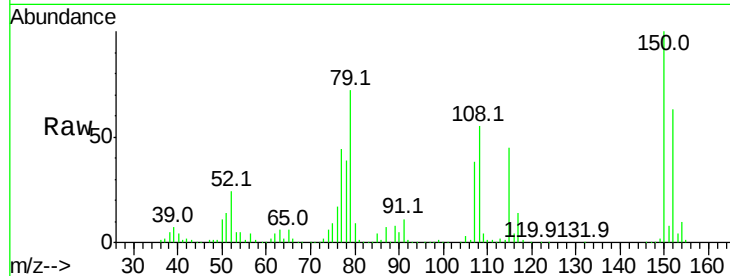
Tot Ion: 79 Resp: 331460

Ion Ratio Lower Upper

79 100

108 76.7 63.4 95.0

77 61.8 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.520 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.04 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

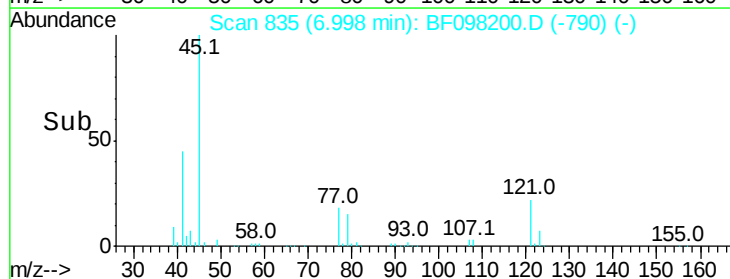
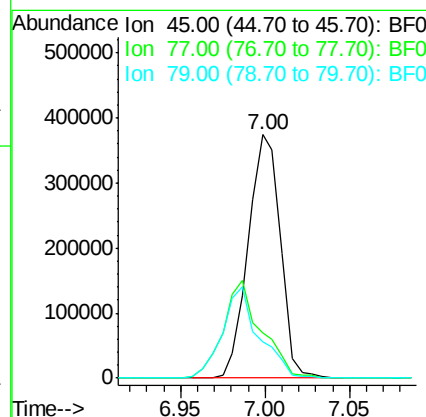
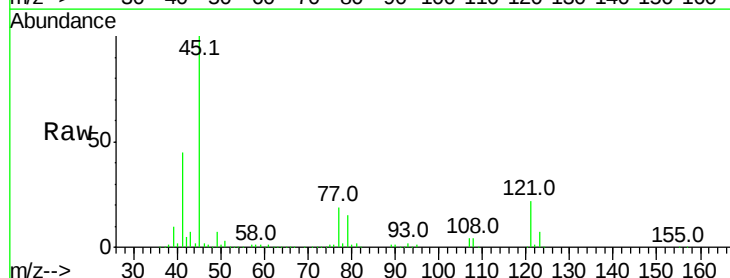
Tgt Ion: 45 Resp: 497125

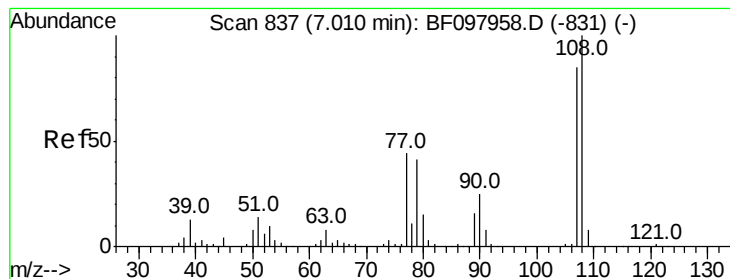
Ion Ratio Lower Upper

45 100

77 18.5 0.0 33.2

79 14.6 0.0 30.0

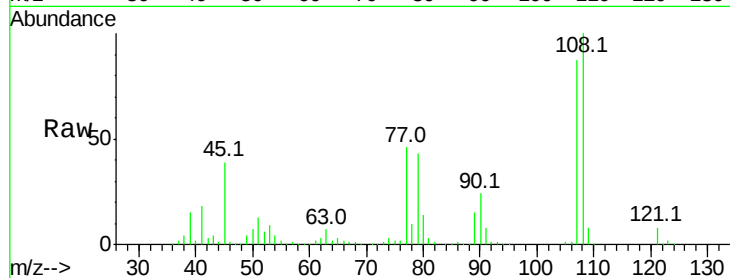




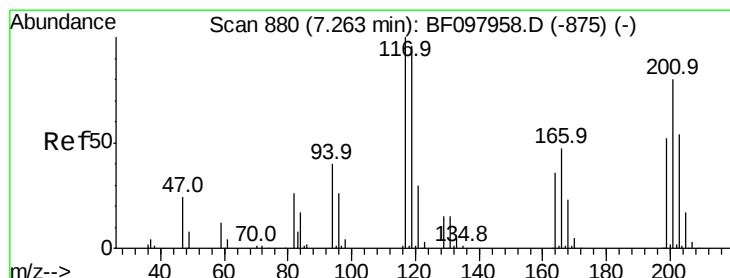
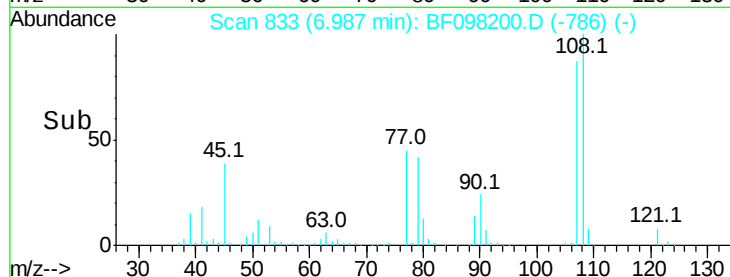
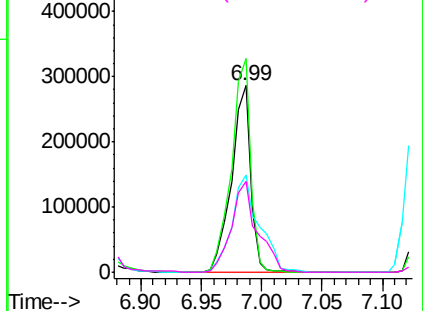
#17  
2-Methylphenol  
Concen: 45.202 ng  
RT: 6.99 min Scan# 833  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 319382 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.6 | 93.4  | 140.0  |
| 77       | 52.3  | 35.8  | 53.6   |
| 79       | 48.8  | 34.8  | 52.2   |

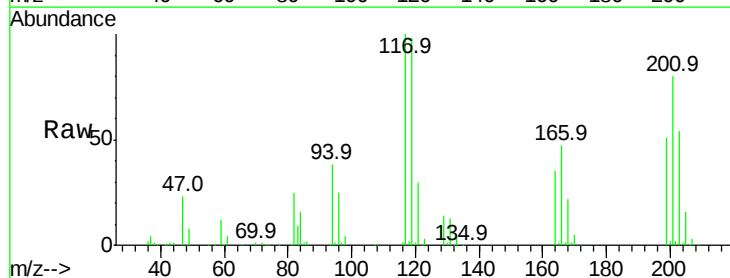


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

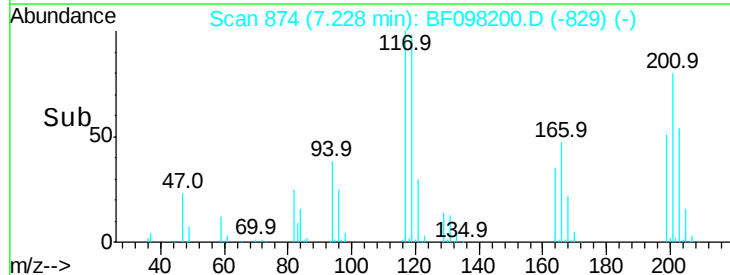
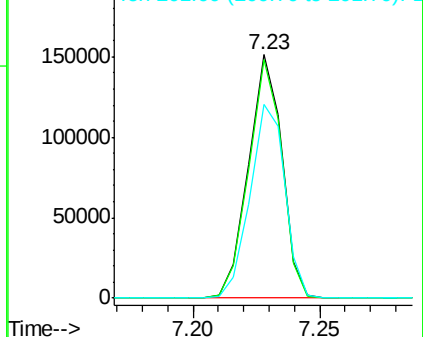


#18  
Hexachloroethane  
Concen: 40.622 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 139695 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.9  | 77.4  | 116.0  |
| 201      | 79.7  | 94.6  | 141.8# |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

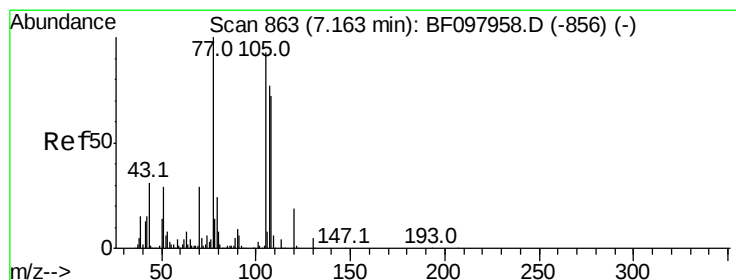
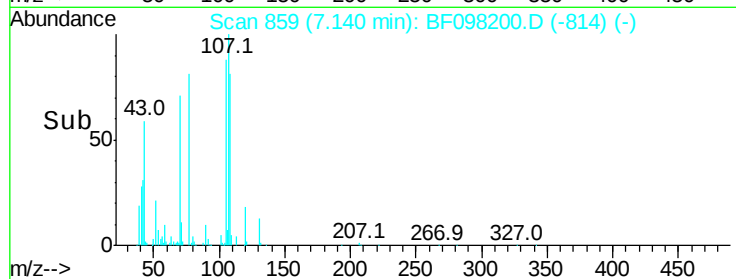
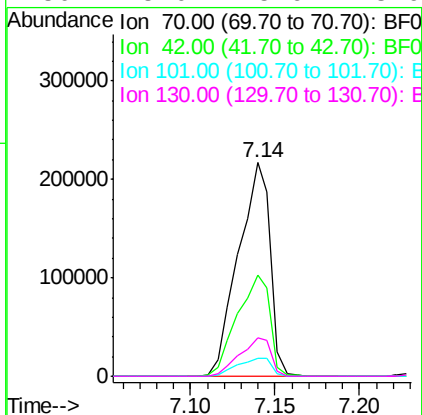
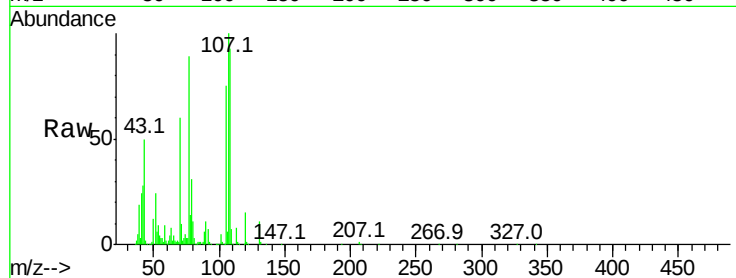




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.234 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

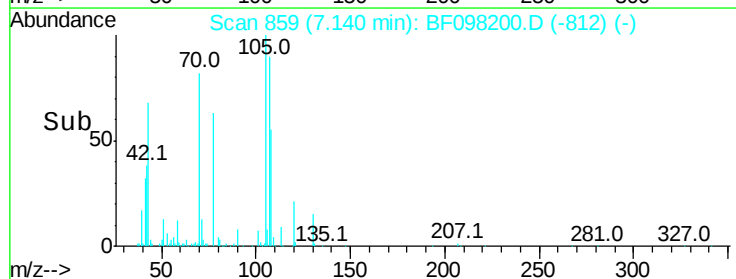
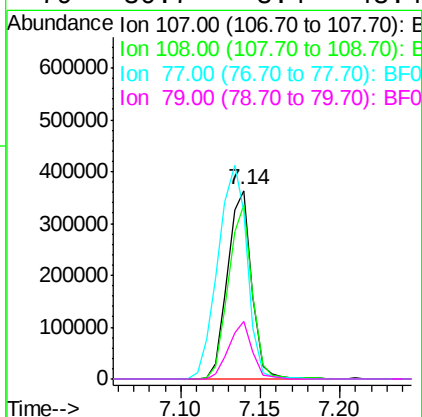
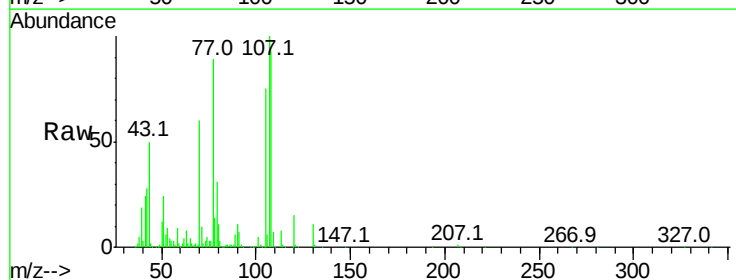
Instrument :  
BNA\_F  
ClientSampleId :

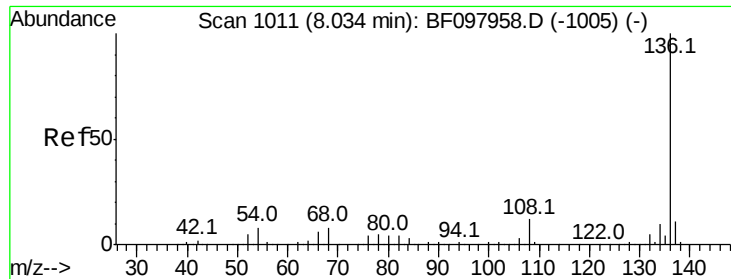
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.1  | 47.2  | 70.8# |
| 101     | 8.5   | 7.2   | 10.8  |
| 130     | 18.0  | 15.9  | 23.9  |



#20  
3+4-Methylphenols  
Concen: 44.410 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 92.7  | 71.0  | 111.0  |
| 77      | 89.1  | 90.5  | 130.5# |
| 79      | 30.7  | 8.4   | 48.4   |

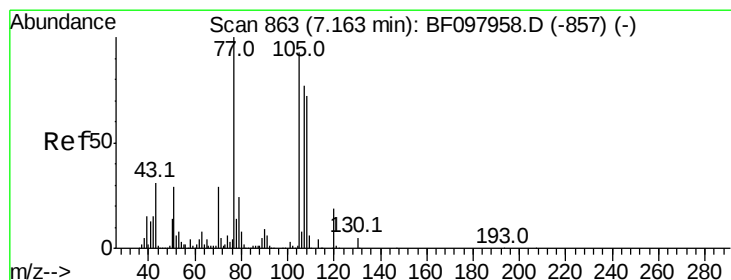
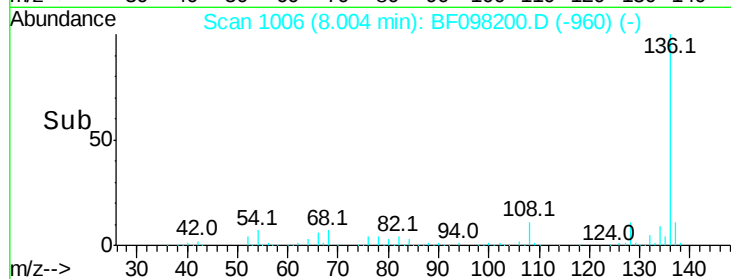
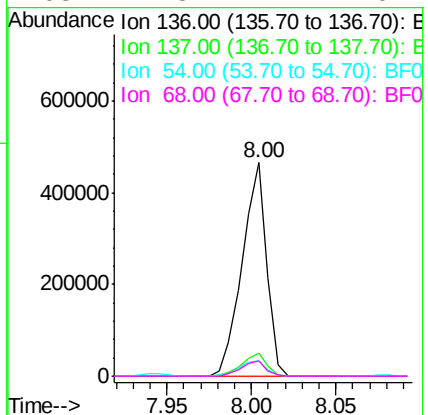
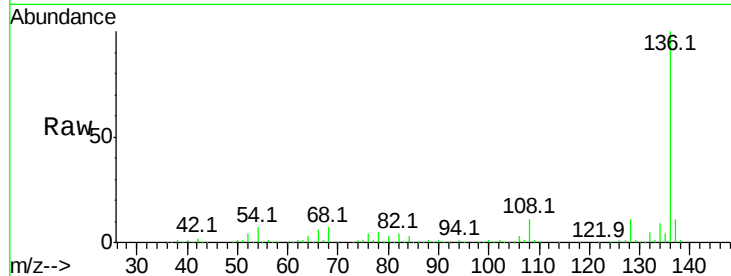




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

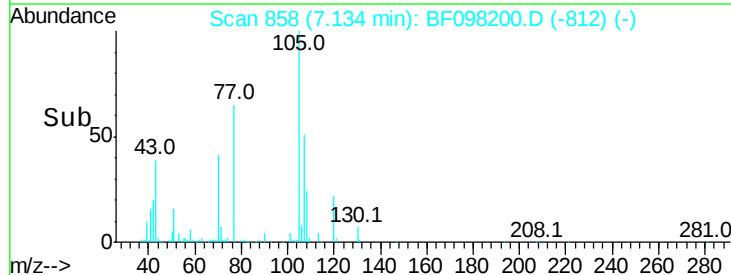
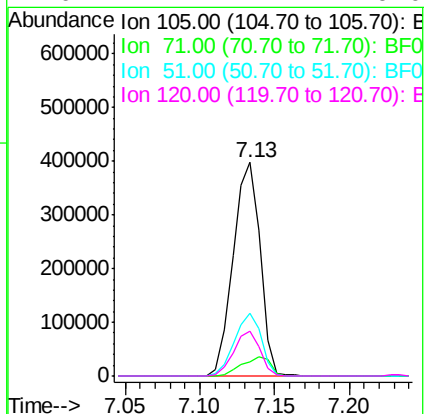
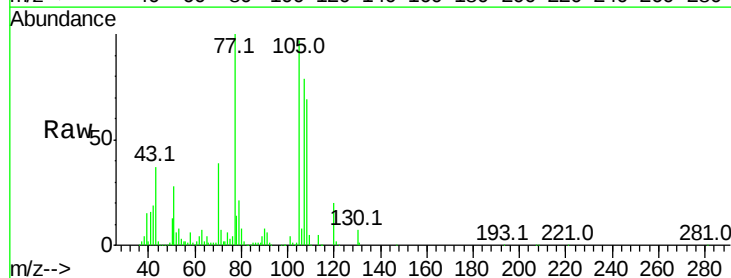
Instrument :  
BNA\_F  
ClientSampleId :

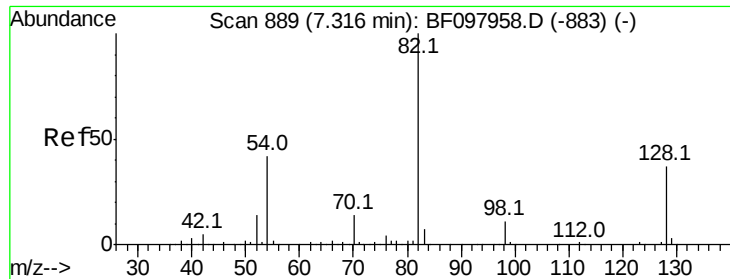
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 471045   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.5 12.7 |
| 54          | 7.5   | 4.9 7.3# |
| 68          | 7.3   | 4.1 6.1# |



#22  
Acetophenone  
Concen: 40.517 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 504183     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 6.8   | 2.8 4.2#   |
| 51          | 29.1  | 30.7 46.1# |
| 120         | 21.1  | 17.4 26.0  |

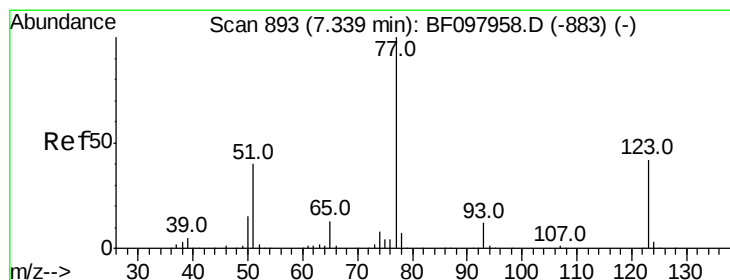
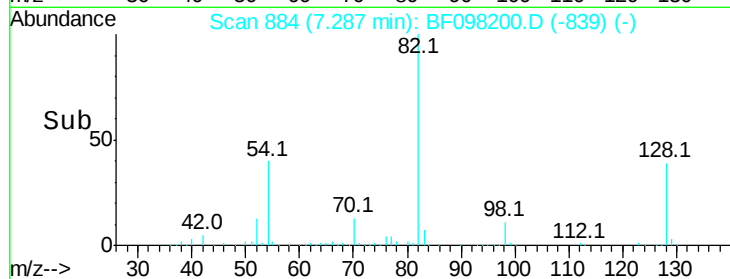
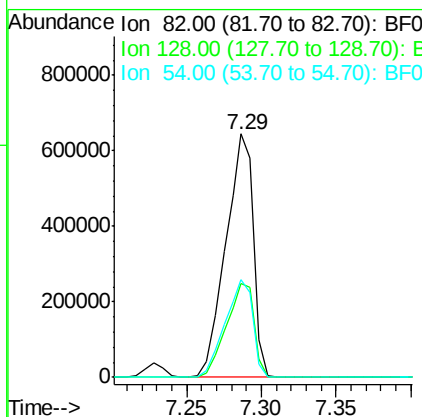
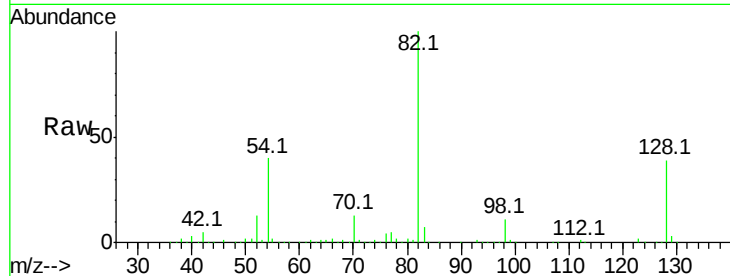




#23  
Nitrobenzene-d5  
Concen: 95.852 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

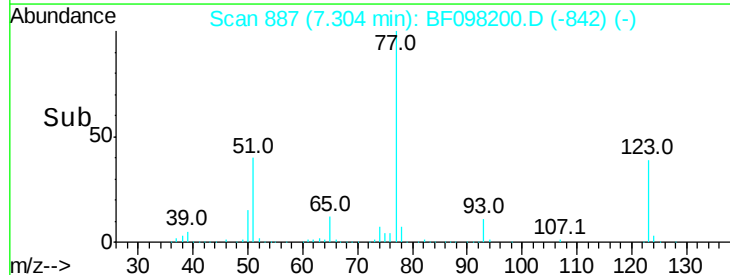
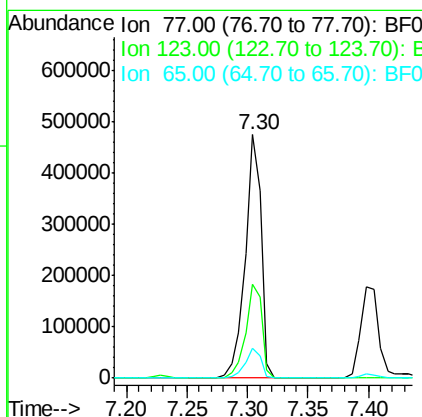
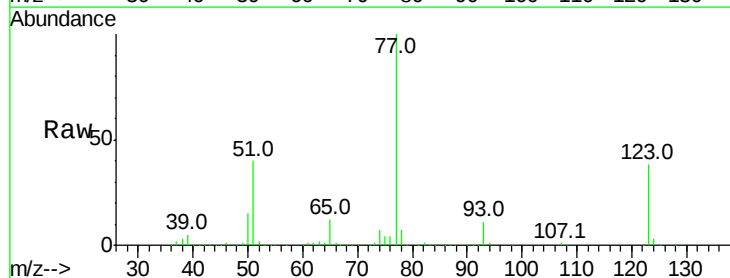
Instrument :  
BNA\_F  
ClientSampleId :

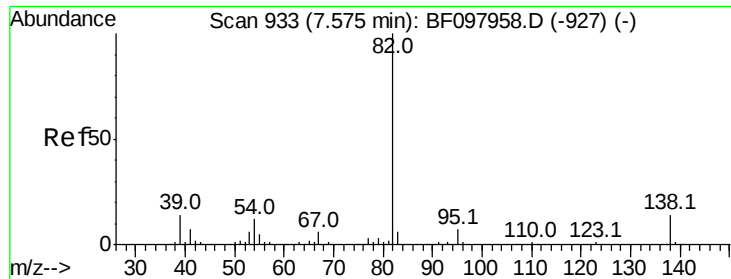
Tot Ion: 82 Resp: 831130  
Ion Ratio Lower Upper  
82 100  
128 38.6 34.0 51.0  
54 40.0 42.2 63.2#



#24  
Nitrobenzene  
Concen: 45.527 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion: 77 Resp: 439543  
Ion Ratio Lower Upper  
77 100  
123 38.5 35.8 53.8  
65 12.4 10.6 15.8





#25

Isophorone

Concen: 44.950 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.04 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

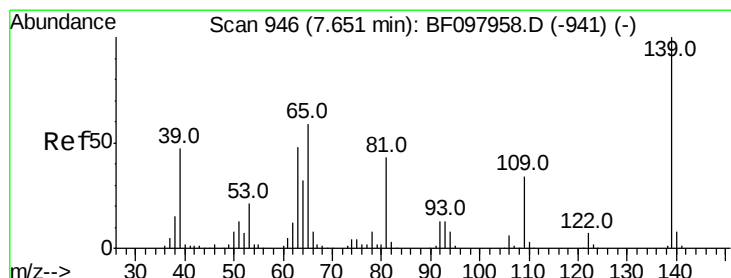
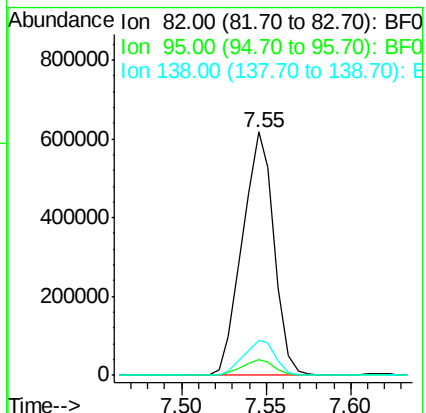
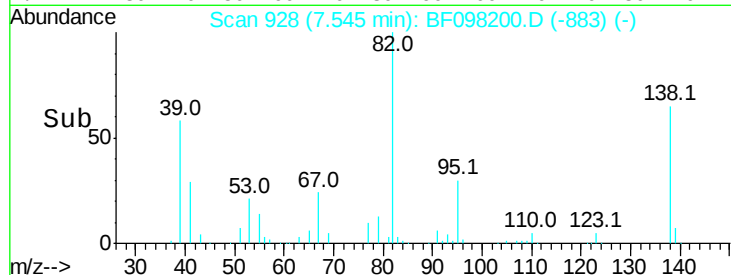
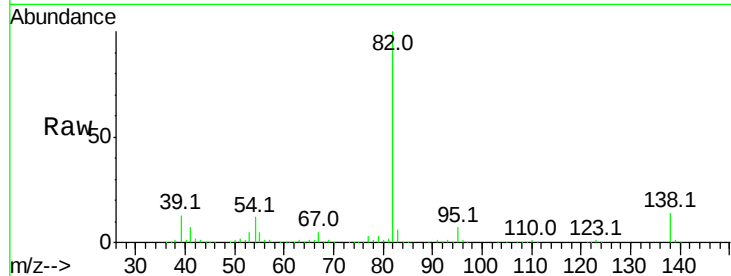
Tot Ion: 82 Resp: 810452

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 14.4 13.1 19.7



#26

2-Nitrophenol

Concen: 52.383 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

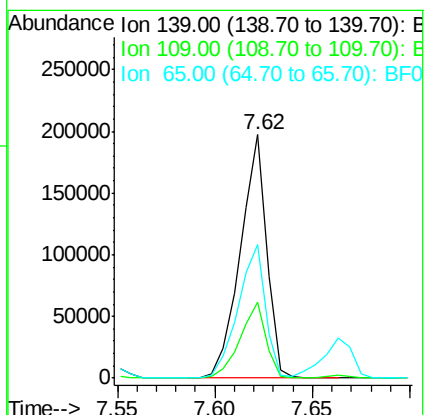
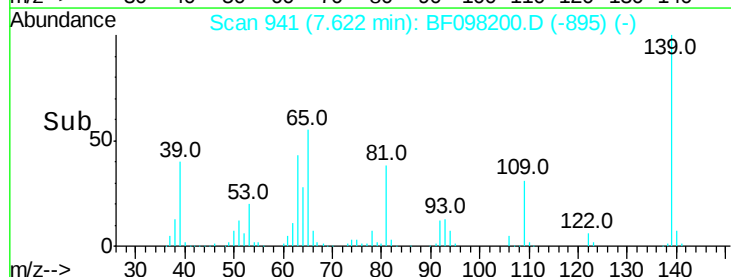
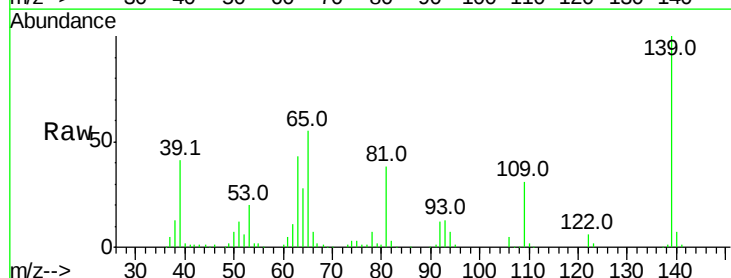
Tgt Ion:139 Resp: 185109

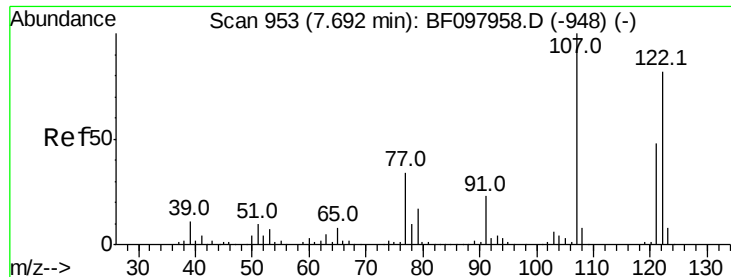
Ion Ratio Lower Upper

139 100

109 31.1 21.0 31.6

65 54.6 33.0 49.6#

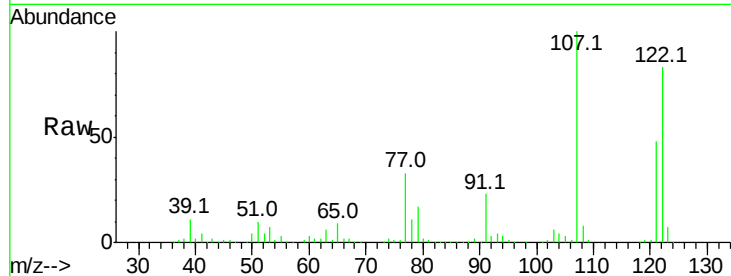




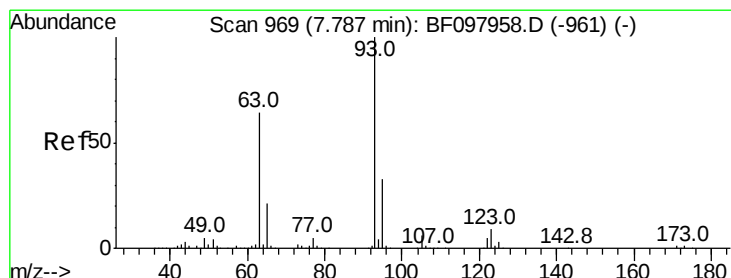
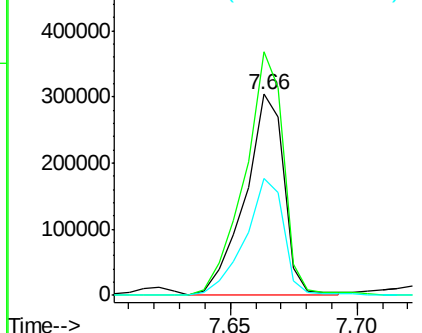
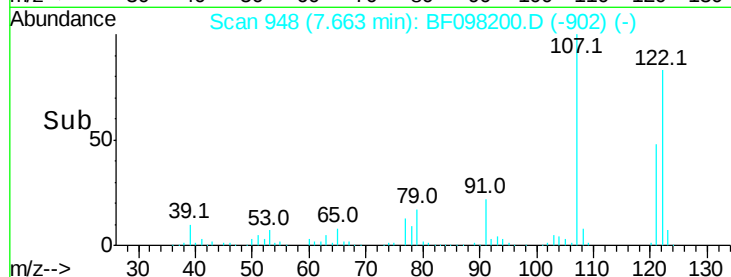
#27  
 2,4-Dimethylphenol  
 Concen: 43.598 ng  
 RT: 7.66 min Scan# 948  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:122 Resp: 327836  
 Ion Ratio Lower Upper  
 122 100  
 107 120.9 89.2 133.8  
 121 57.9 45.2 67.8

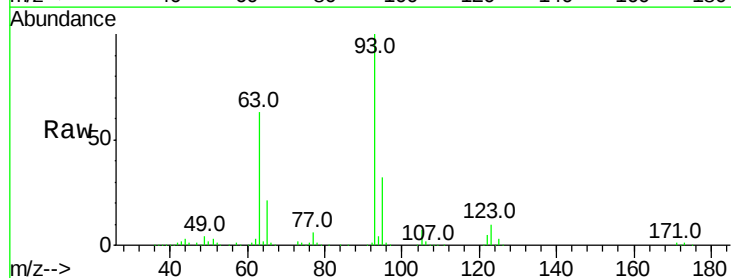


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

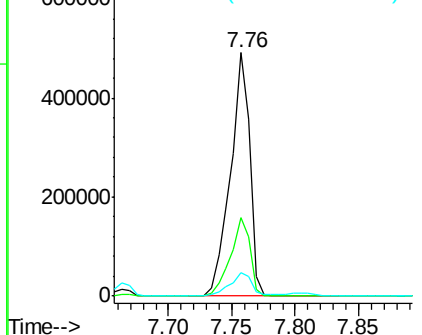
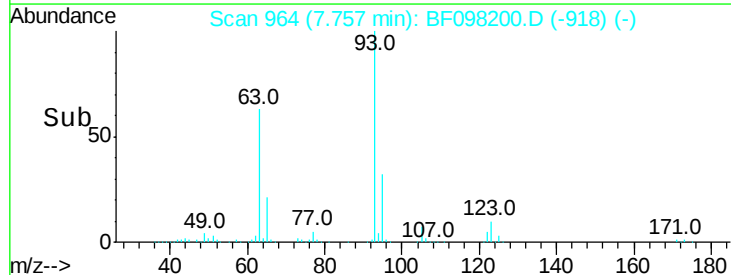


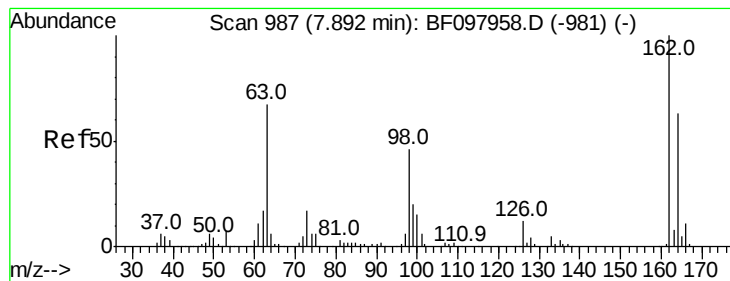
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.493 ng  
 RT: 7.76 min Scan# 964  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion: 93 Resp: 515543  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 26.5 39.7  
 123 9.6 9.0 13.4



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.883 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

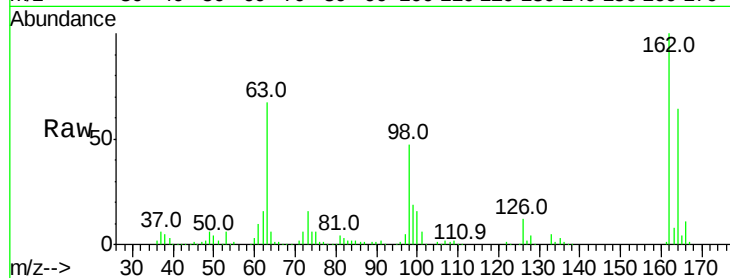
Tot Ion:162 Resp: 286395

Ion Ratio Lower Upper

162 100

164 64.0 44.6 84.6

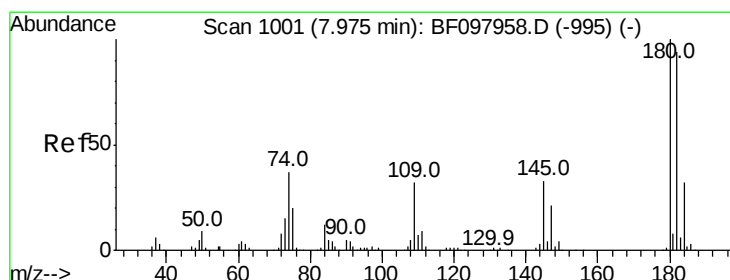
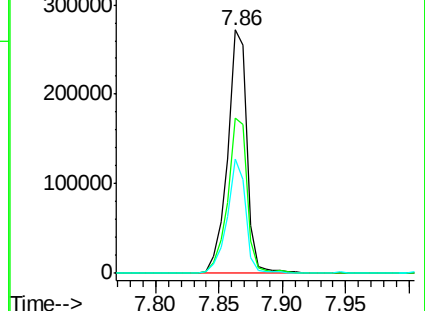
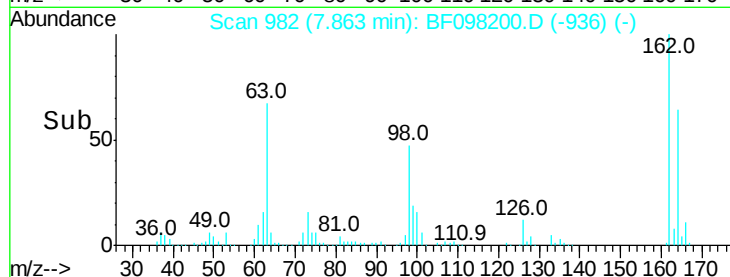
98 47.0 14.8 54.8



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): BF0



#30

1,2,4-Trichlorobenzene

Concen: 41.110 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

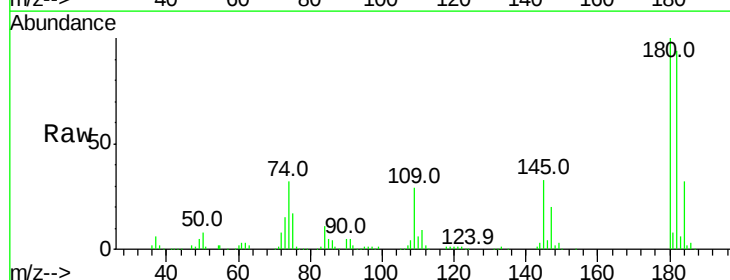
Tgt Ion:180 Resp: 284465

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

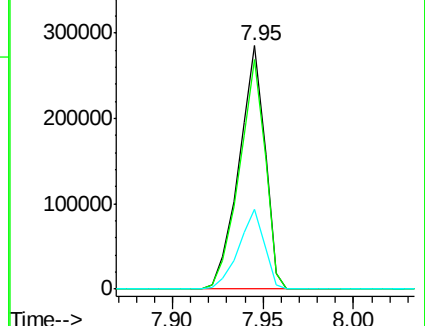
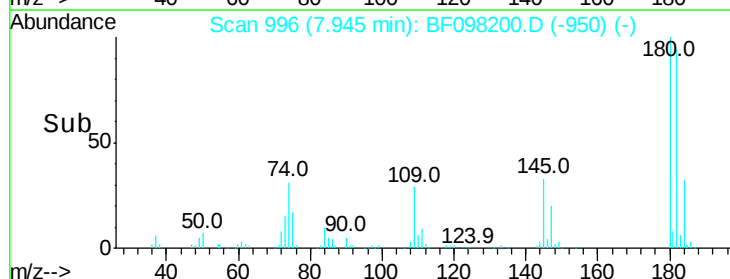
145 32.7 25.3 37.9

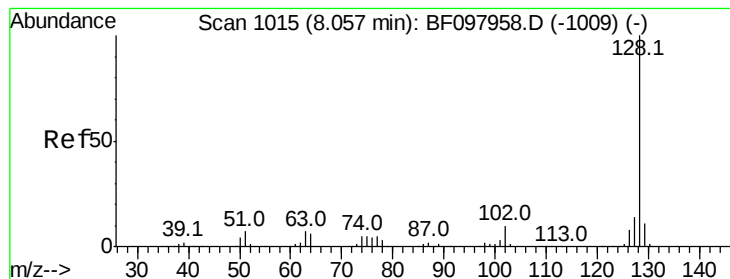


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.440 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

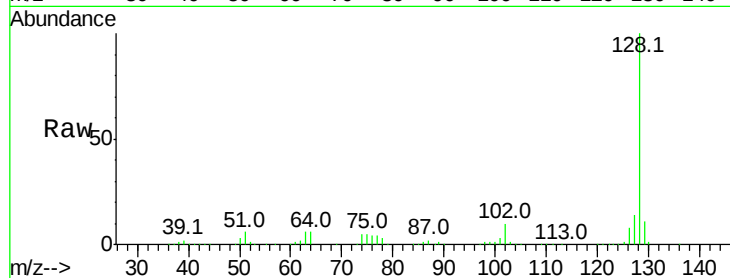
Tot Ion:128 Resp: 1013394

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

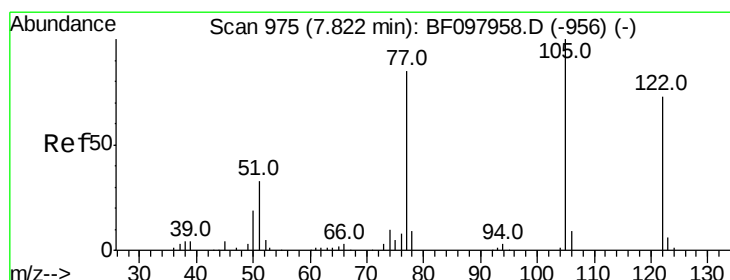
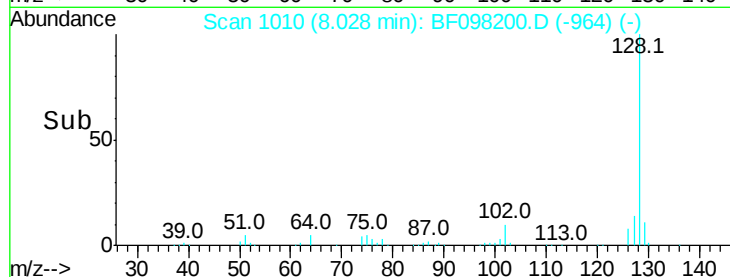
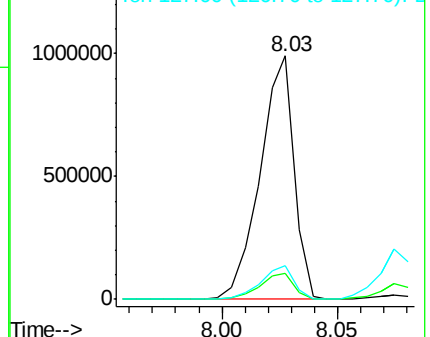
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 43.791 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

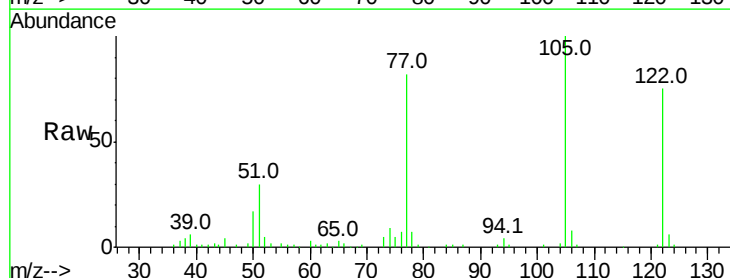
Tgt Ion:122 Resp: 236368

Ion Ratio Lower Upper

122 100

105 133.0 103.3 143.3

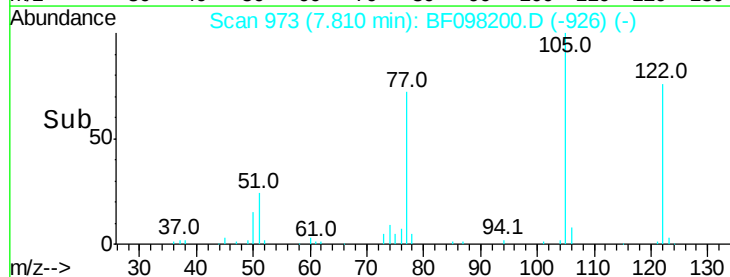
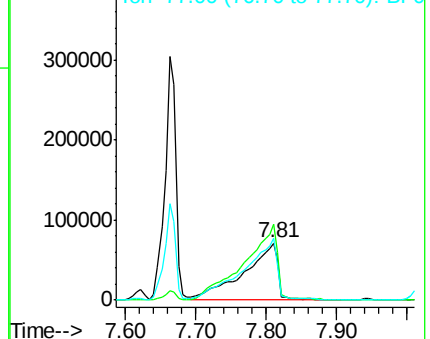
77 108.5 73.7 113.7

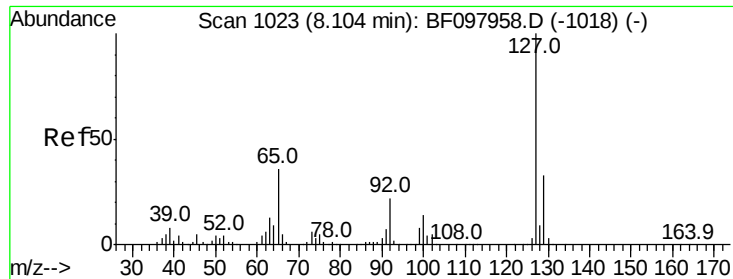


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

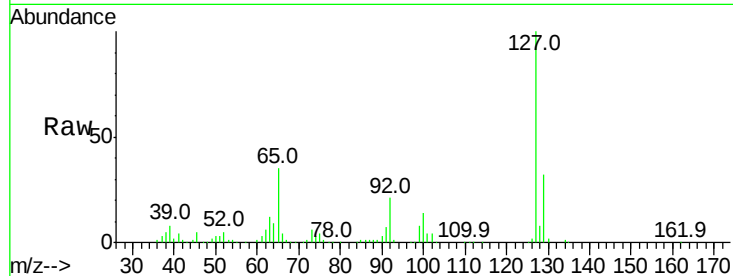




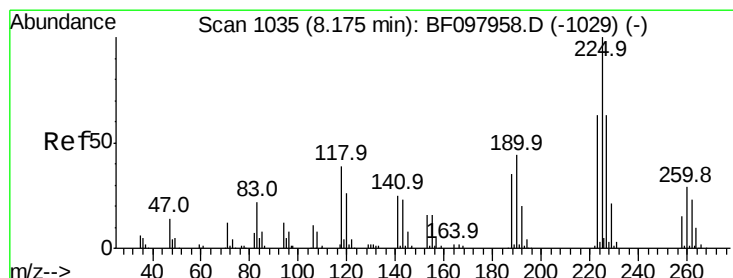
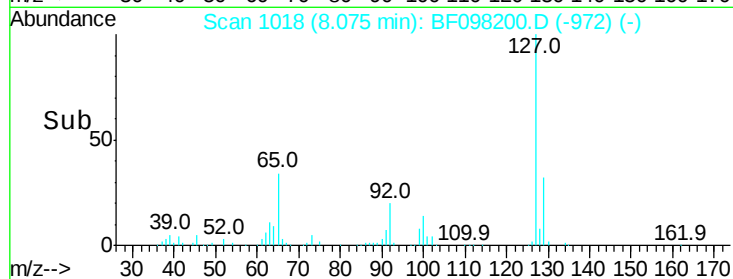
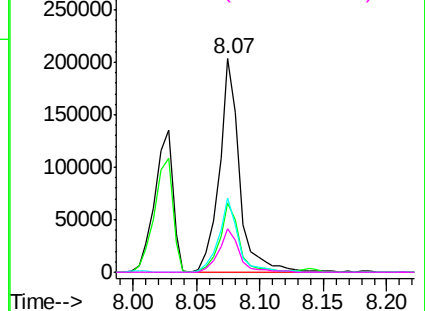
#33  
4-Chloroaniline  
Concen: 21.869 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 225542 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.2  | 39.2   |
| 65       | 34.7  | 27.8  | 41.8   |
| 92       | 20.6  | 16.8  | 25.2   |

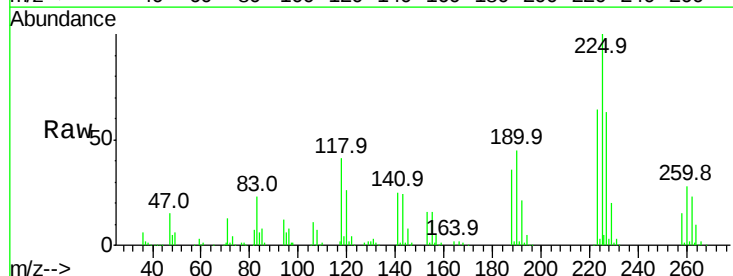


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

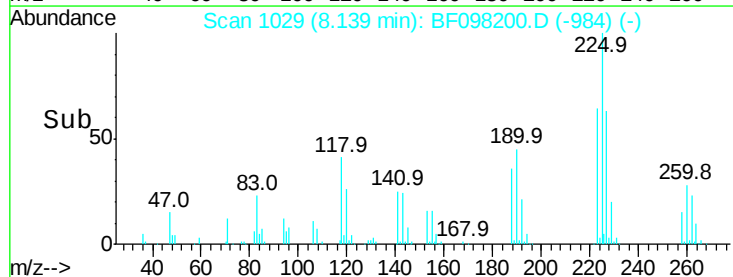
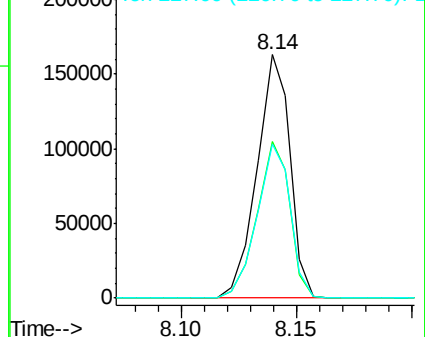


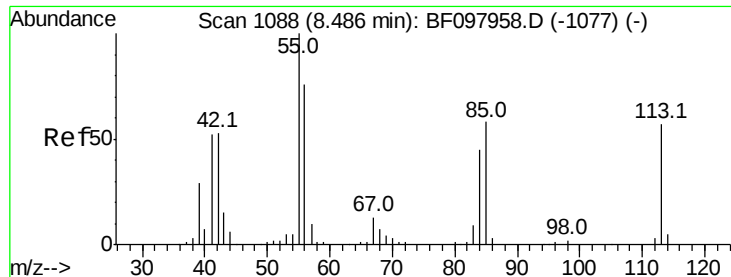
#34  
Hexachlorobutadiene  
Concen: 40.252 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.04 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 162624 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.5  | 48.8  | 73.2   |
| 227      | 63.4  | 51.1  | 76.7   |



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: 27.138 ng

RT: 8.46 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

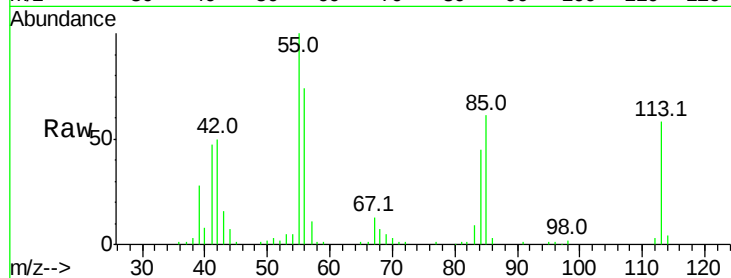
Tot Ion:113 Resp: 57587

Ion Ratio Lower Upper

113 100

55 170.9 150.2 190.2

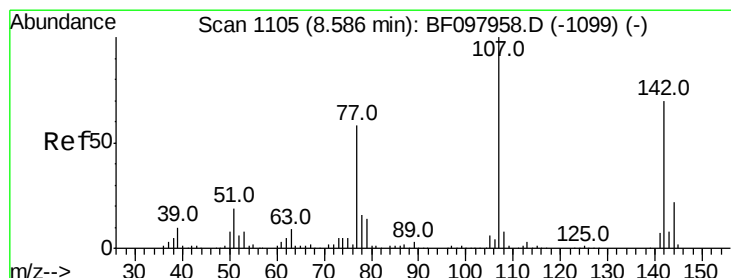
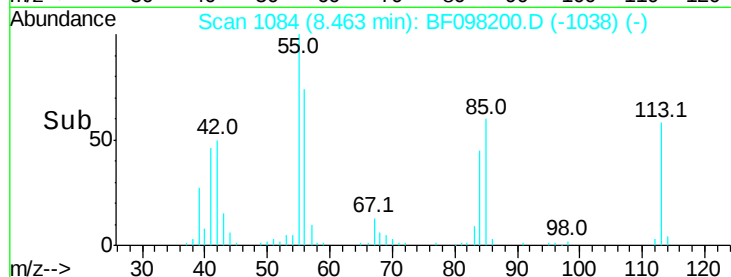
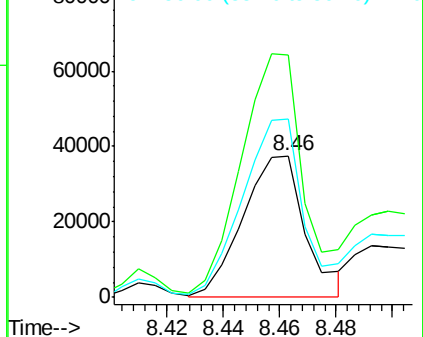
56 125.7 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.423 ng

RT: 8.57 min Scan# 1102

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

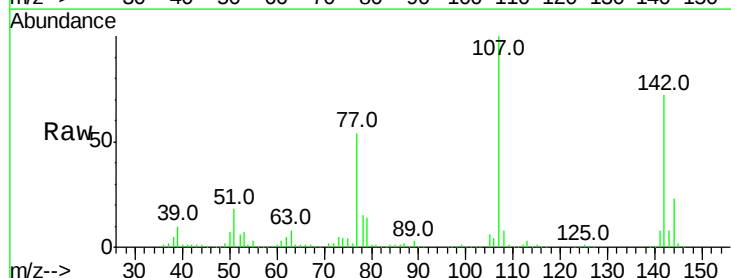
Tgt Ion:107 Resp: 356261

Ion Ratio Lower Upper

107 100

144 22.5 24.2 36.4#

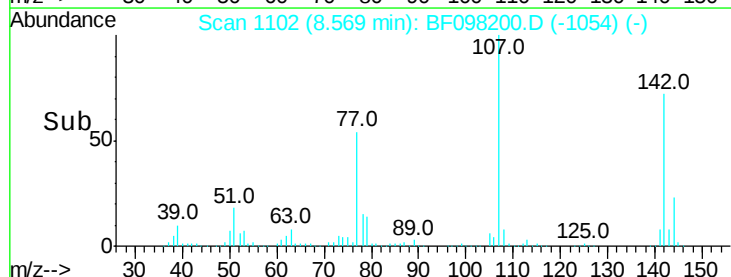
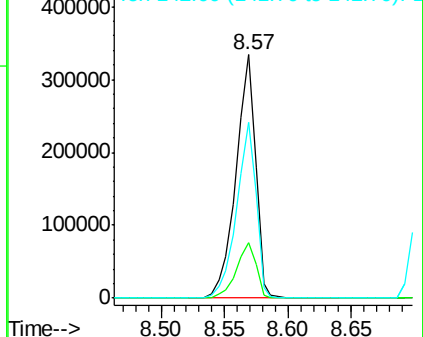
142 72.0 73.4 110.0#

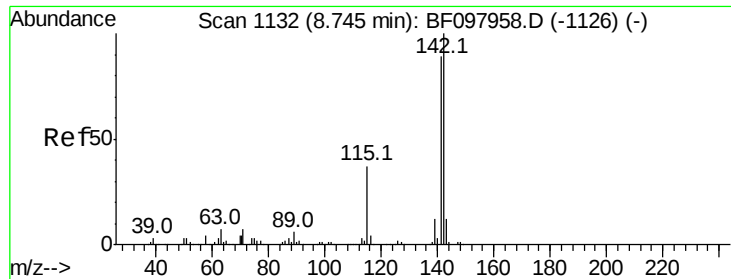


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

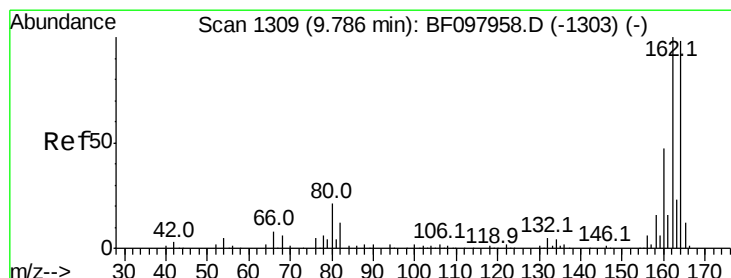
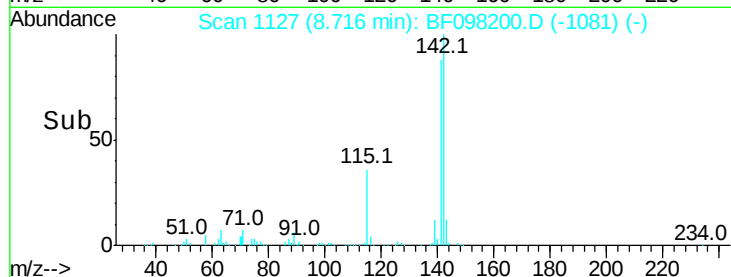
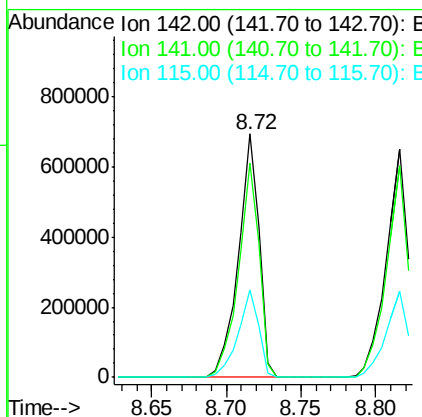
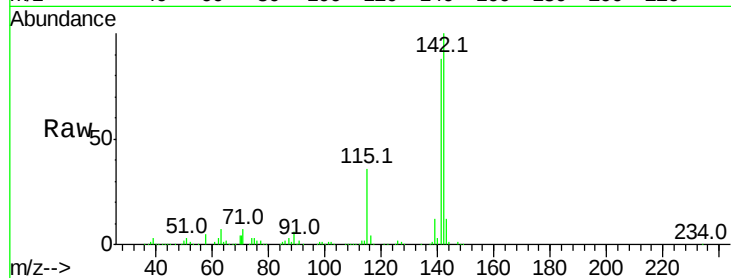




#37  
 2-Methylnaphthalene  
 Concen: 44.897 ng  
 RT: 8.72 min Scan# 1127  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

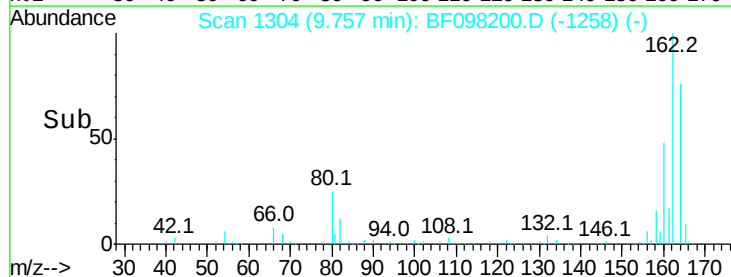
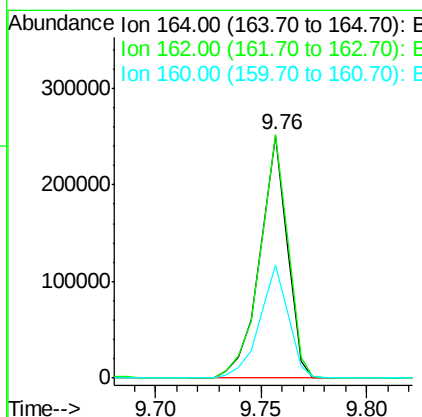
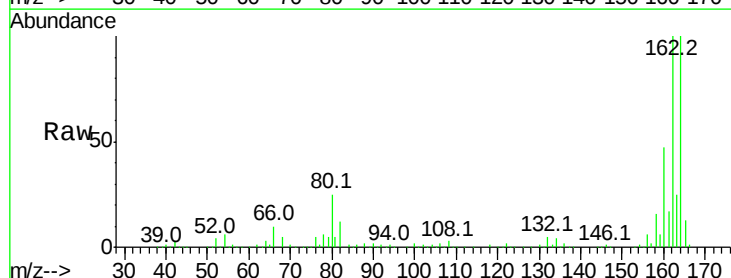
Instrument :  
 BNA\_F  
 ClientSampleId :

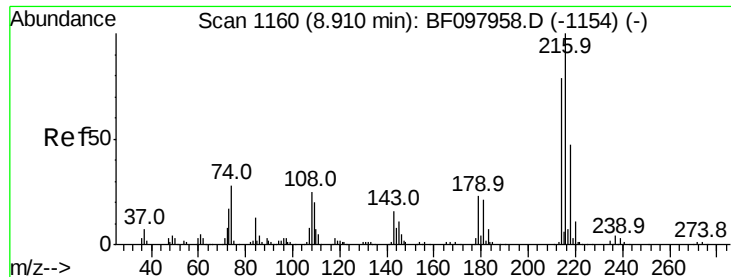
Tot Ion:142 Resp: 673135  
 Ion Ratio Lower Upper  
 142 100  
 141 88.1 71.3 106.9  
 115 35.8 27.1 40.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:164 Resp: 228612  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 82.6 123.8  
 160 46.7 36.2 54.2

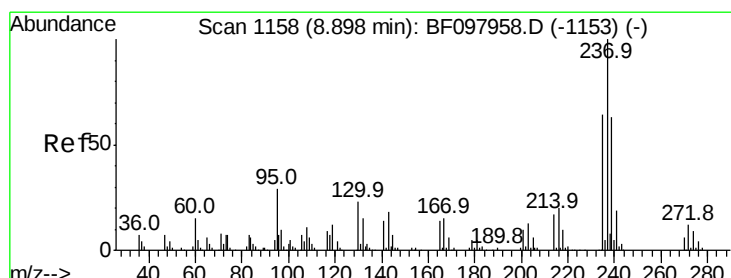
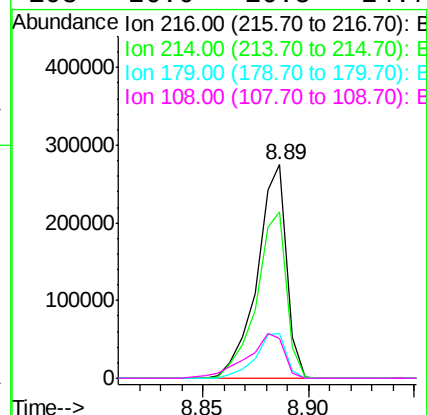
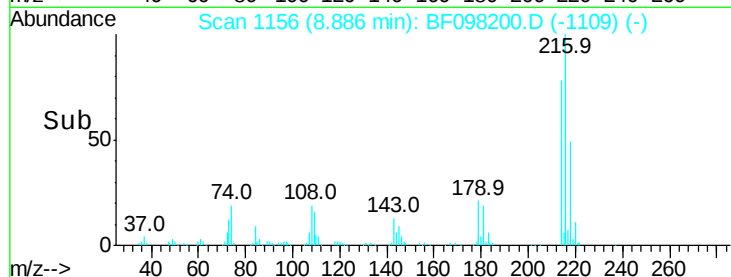
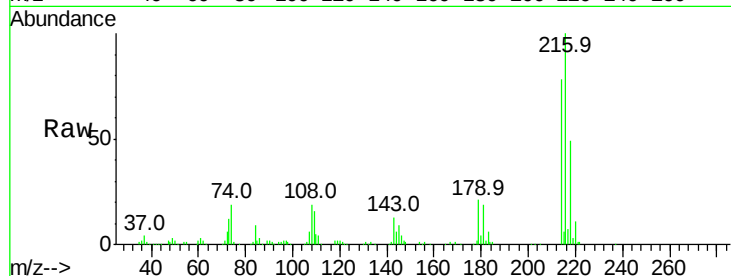




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.149 ng  
 RT: 8.89 min Scan# 1156  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

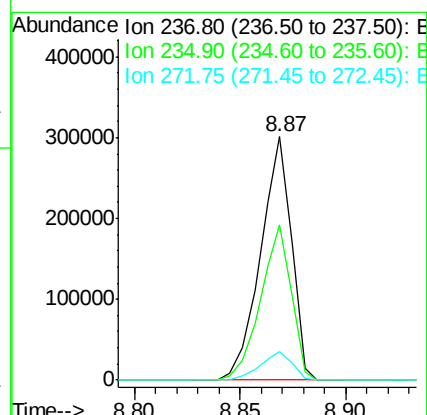
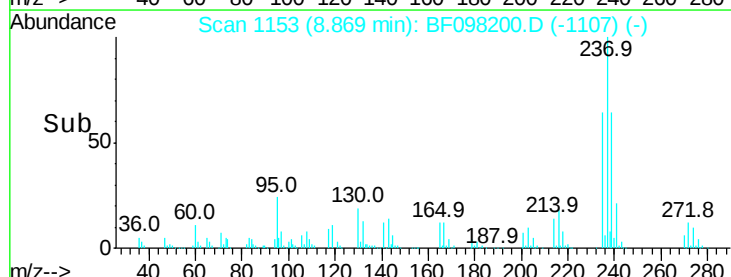
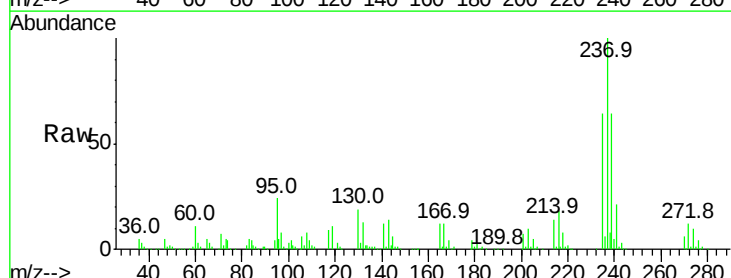
Instrument :  
 BNA\_F  
 ClientSampleId :

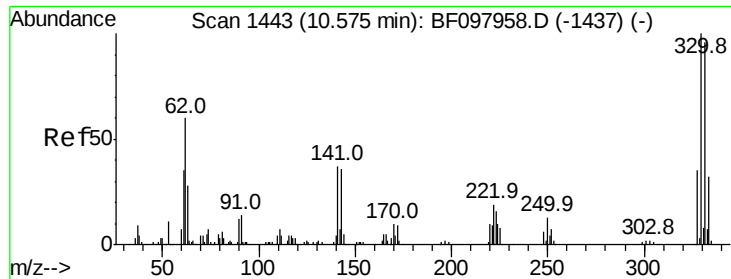
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.3  | 63.4  | 95.2  |
| 179     | 21.7  | 17.9  | 26.9  |
| 108     | 26.0  | 16.5  | 24.7  |



#40  
 Hexachlorocyclopentadiene  
 Concen: 90.496 ng  
 RT: 8.87 min Scan# 1153  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 63.8  | 42.6  | 82.6  |
| 272     | 11.9  | 0.0   | 31.9  |

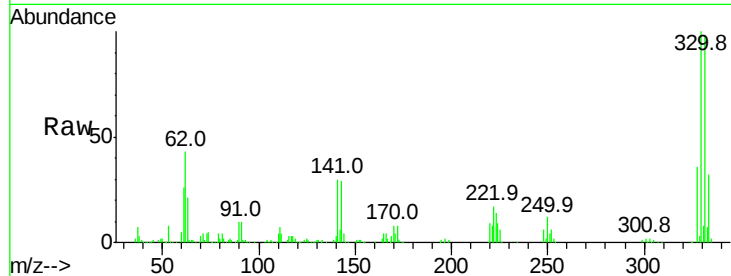




#41  
 2,4,6-Tribromophenol  
 Concen: 149.836 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.6  | 115.0 |
| 141     | 33.7  | 31.4  | 47.2  |

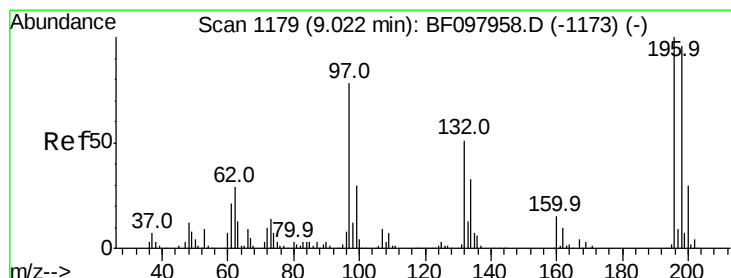
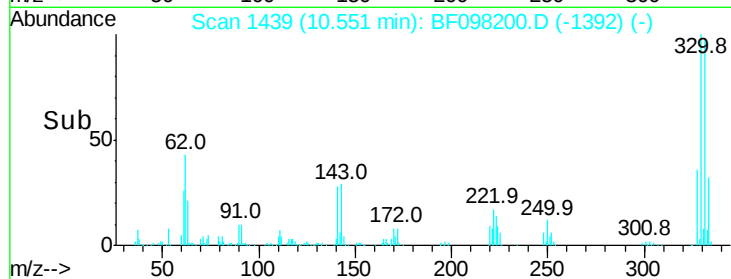
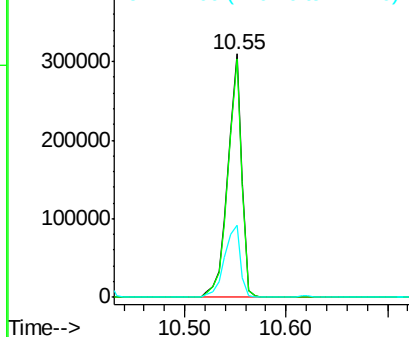


Abundance

Ion 329.80 (329.50 to 330.50): E

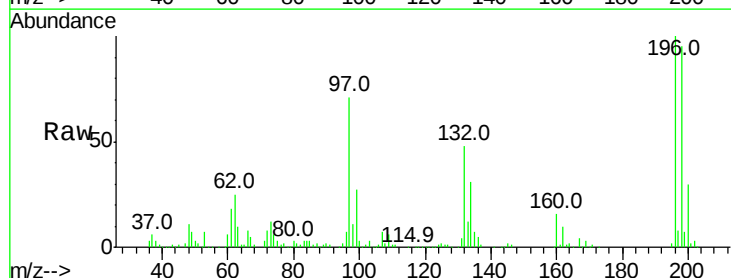
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 42.918 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.0  | 74.2  | 111.4 |
| 200     | 30.0  | 24.0  | 36.0  |

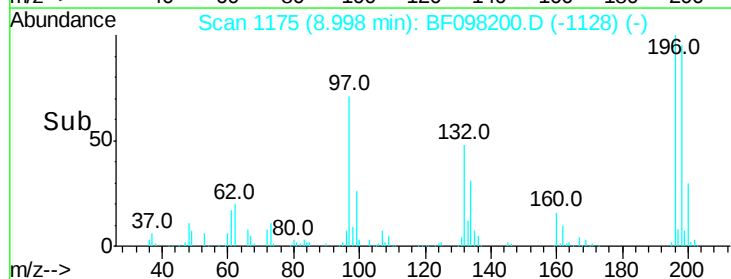
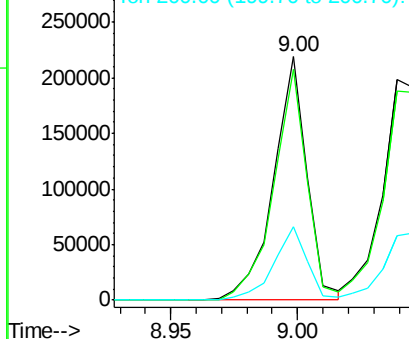


Abundance

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

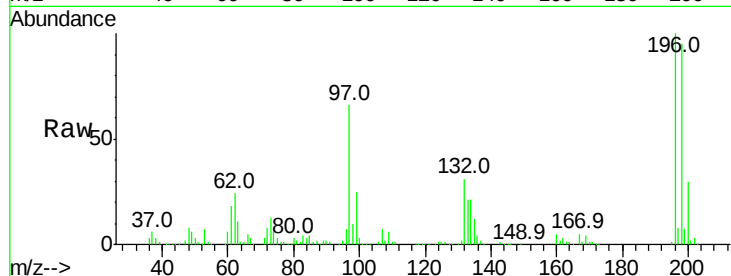




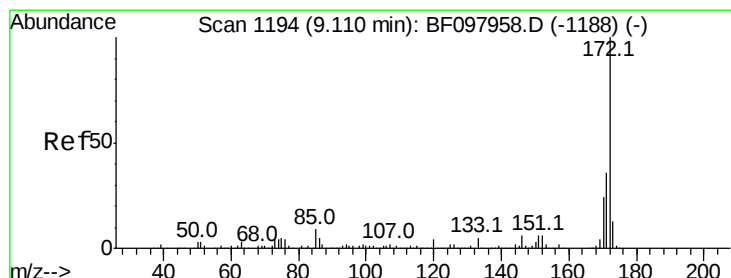
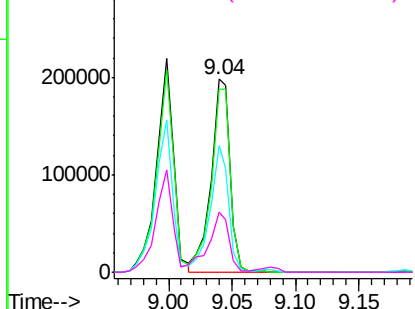
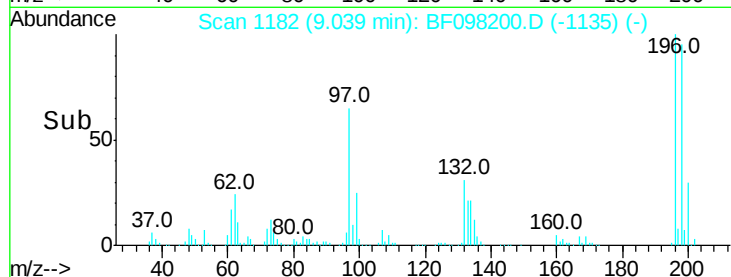
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.196 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 211204  
 Ion Ratio Lower Upper  
 196 100  
 198 94.7 75.7 113.5  
 97 65.6 47.7 71.5  
 132 31.2 28.0 42.0

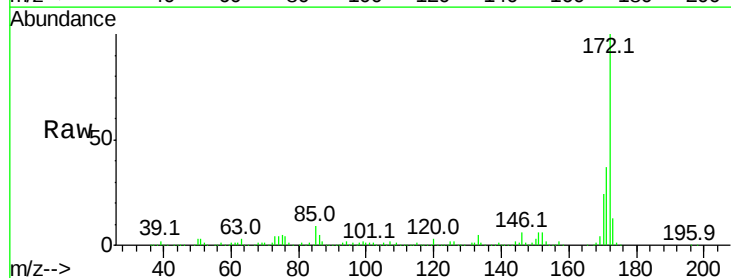


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

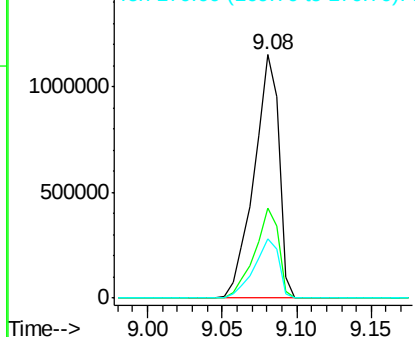
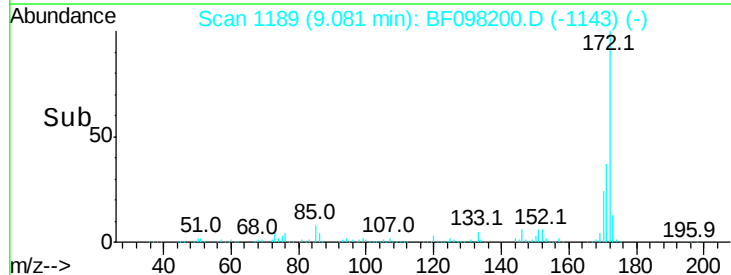


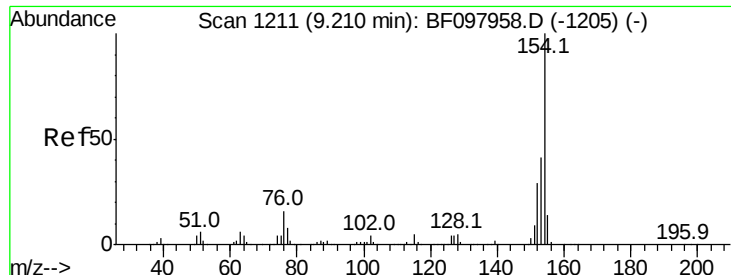
#44  
 2-Fluorobiphenyl  
 Concen: 84.786 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:172 Resp: 1319298  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.6 44.4  
 170 24.5 19.8 29.8



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

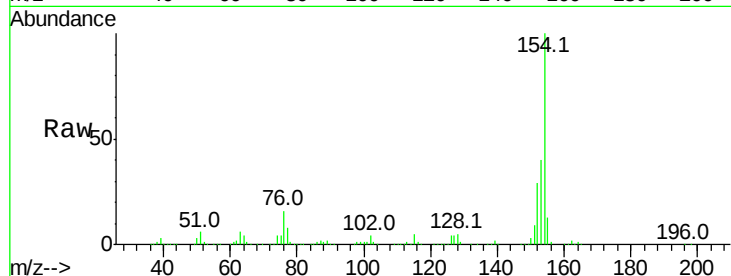




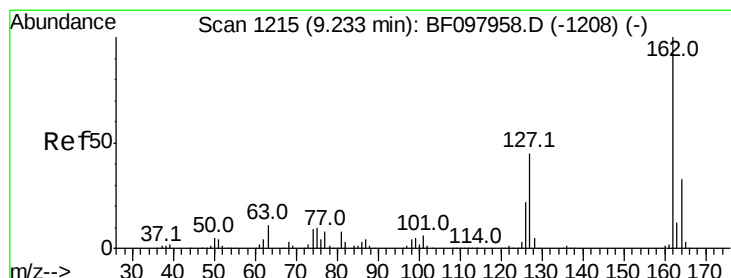
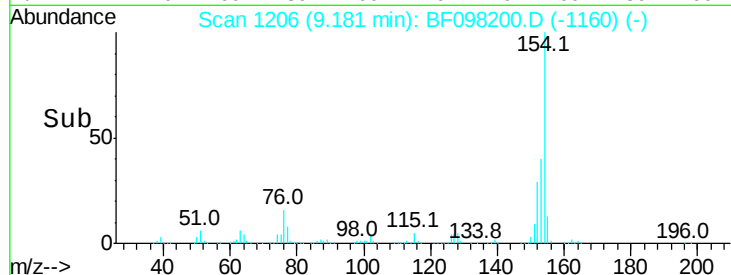
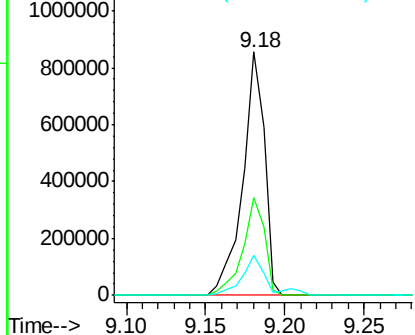
#45  
 1,1'-Biphenyl  
 Concen: 38.680 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 806381  
 Ion Ratio Lower Upper  
 154 100  
 153 40.4 21.2 61.2  
 76 16.4 0.0 29.9

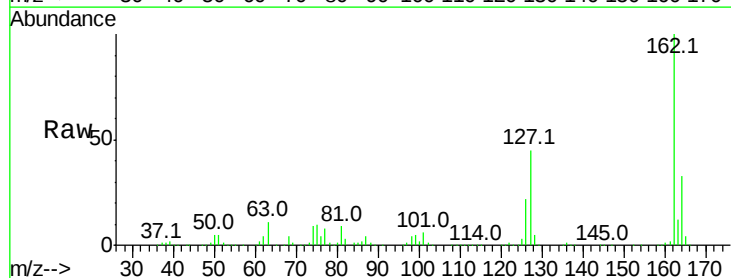


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

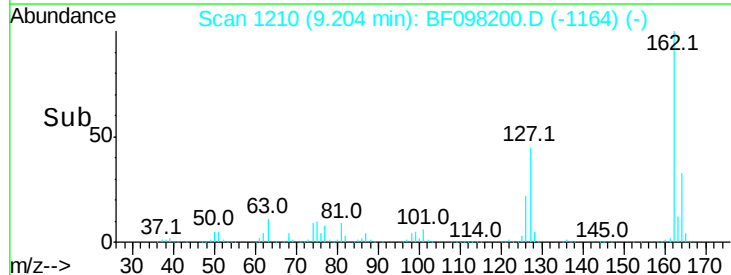
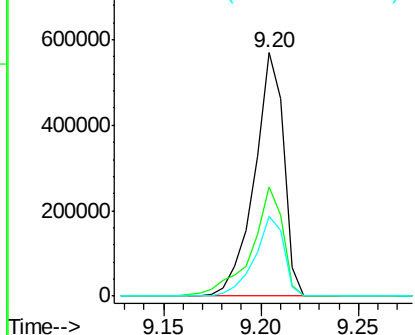


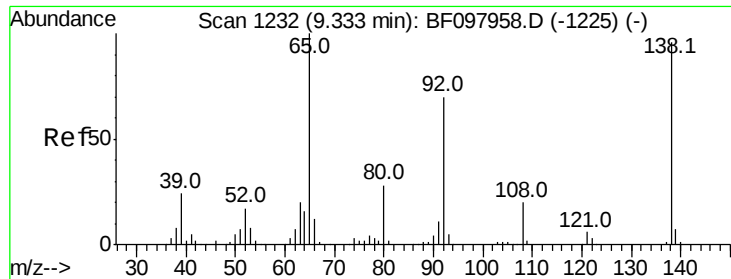
#46  
 2-Chloronaphthalene  
 Concen: 38.354 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:162 Resp: 590794  
 Ion Ratio Lower Upper  
 162 100  
 127 44.8 28.3 42.5#  
 164 33.0 27.0 40.4



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

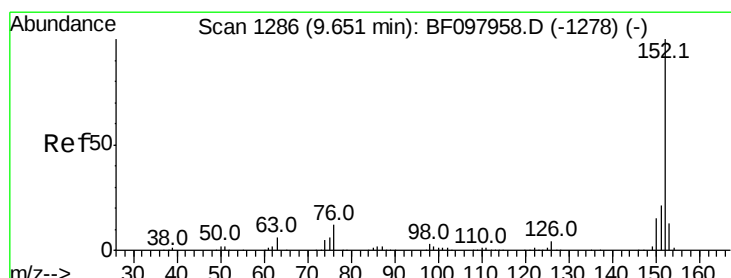
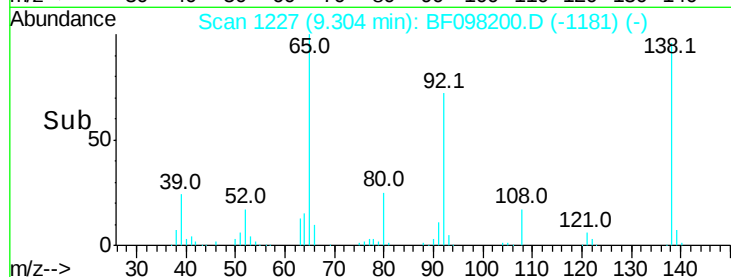
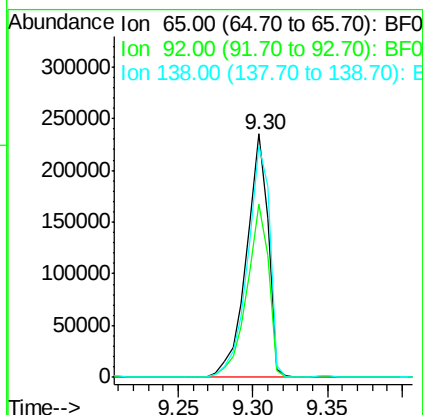
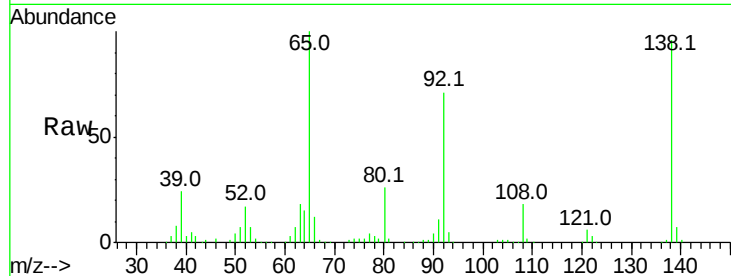




#47  
2-Nitroaniline  
Concen: 45.811 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

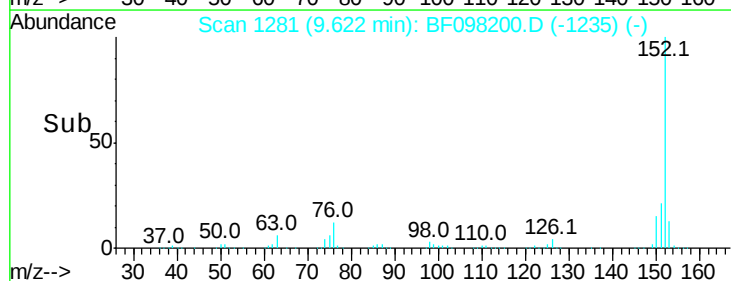
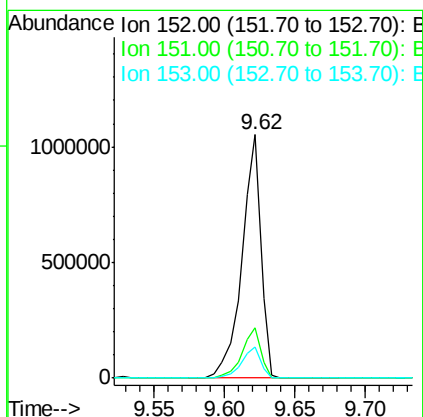
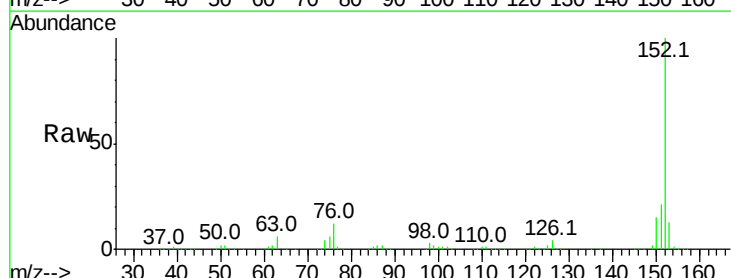
Instrument :  
BNA\_F  
ClientSampleId :

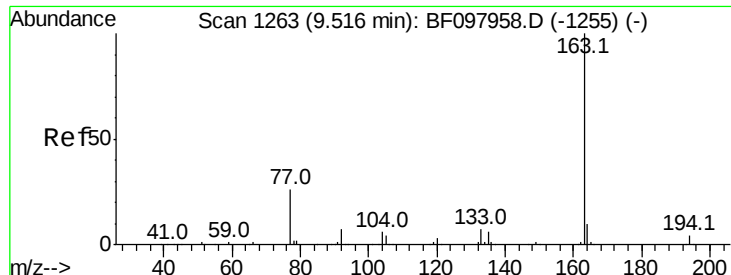
Tot Ion: 65 Resp: 236562  
Ion Ratio Lower Upper  
65 100  
92 71.4 53.9 80.9  
138 95.5 78.8 118.2



#48  
Acenaphthylene  
Concen: 40.561 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion: 152 Resp: 981123  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.8 25.2  
153 13.0 10.8 16.2

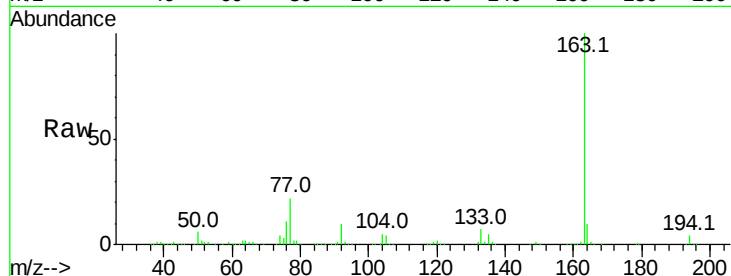




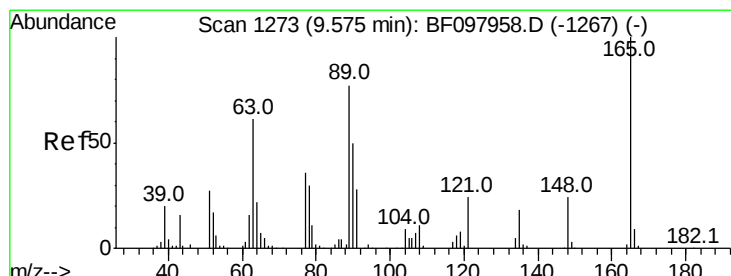
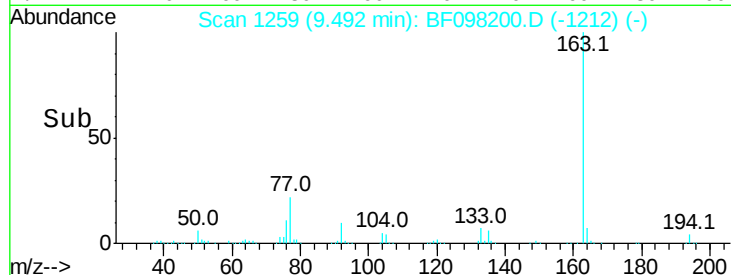
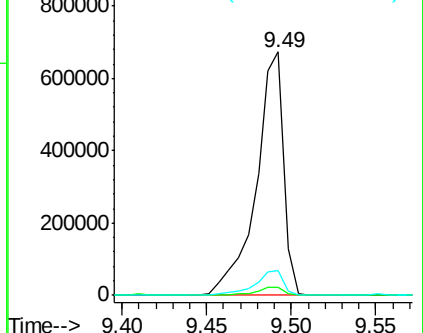
#49  
Dimethylphthalate  
Concen: 45.317 ng  
RT: 9.49 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 2.6   | 4.0   |
| 164     | 10.0  | 8.4   | 12.6  |

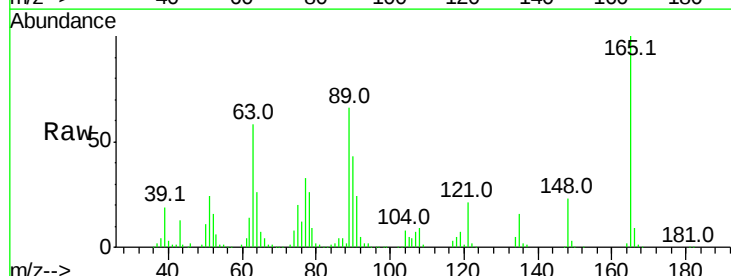


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

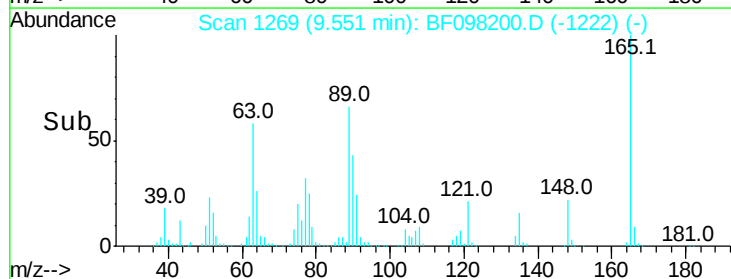
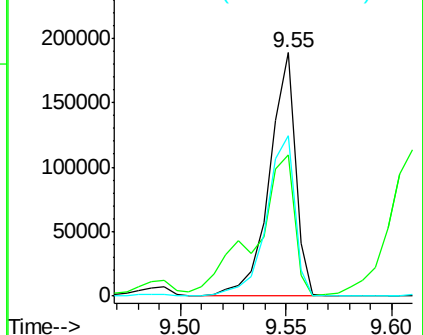


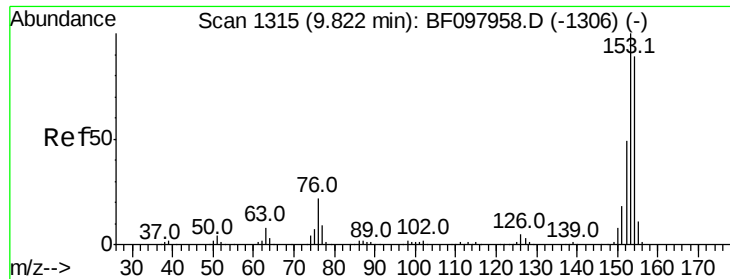
#50  
2,6-Dinitrotoluene  
Concen: 48.559 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 58.2  | 34.3  | 51.5# |
| 89      | 66.1  | 37.1  | 55.7# |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.097 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampled :

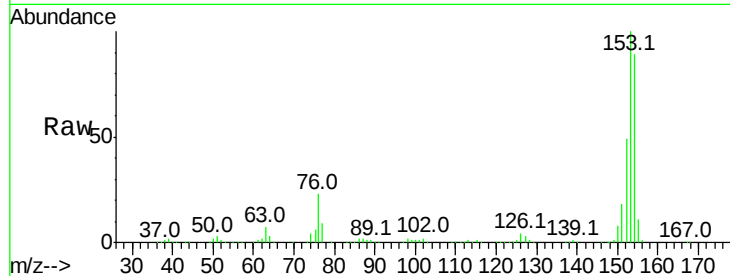
Tot Ion:154 Resp: 581192

Ion Ratio Lower Upper

154 100

153 112.7 90.5 135.7

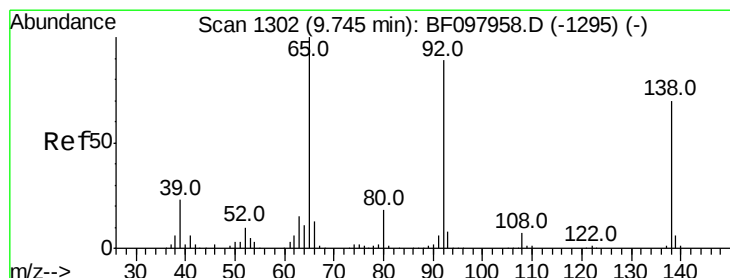
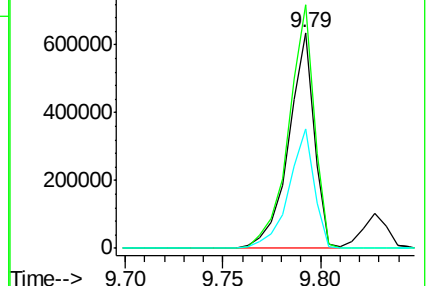
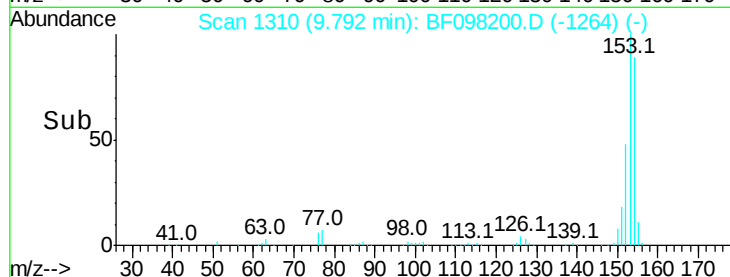
152 55.2 43.6 65.4



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: 30.898 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

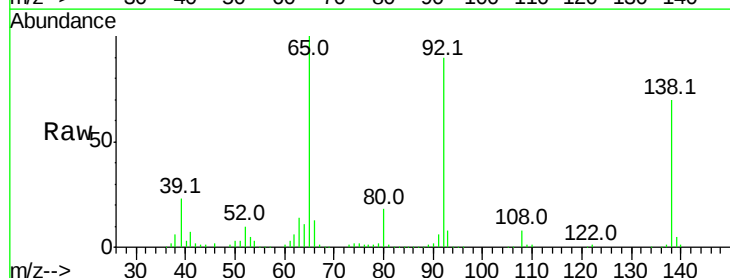
Tgt Ion:138 Resp: 132973

Ion Ratio Lower Upper

138 100

108 11.0 9.1 13.7

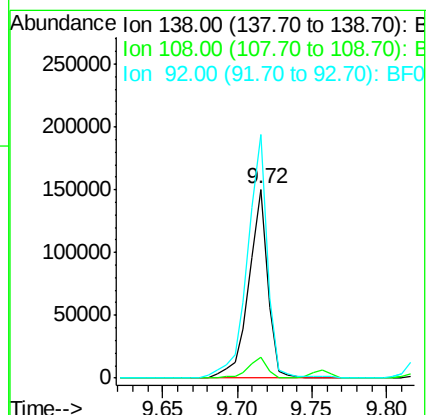
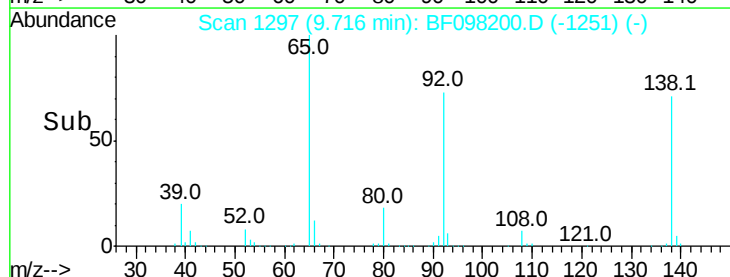
92 129.0 93.8 140.6



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): BF0

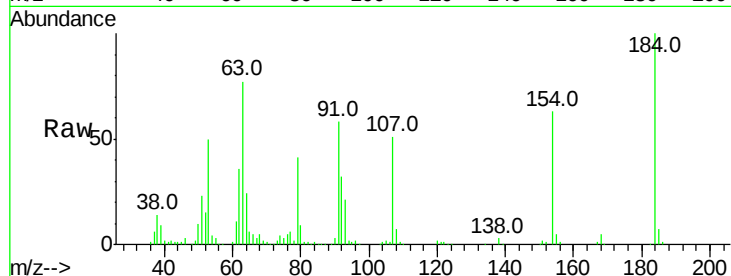




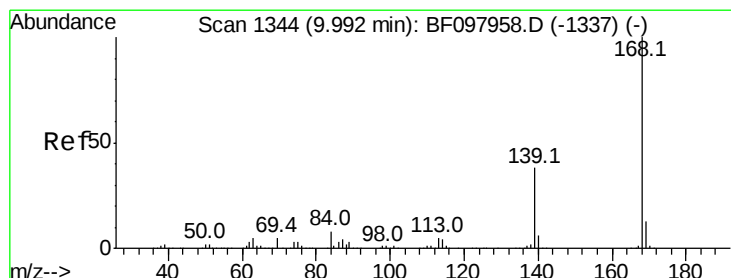
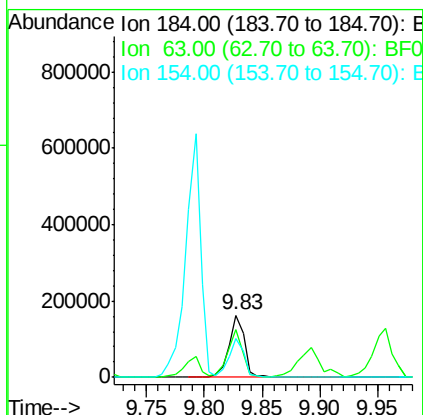
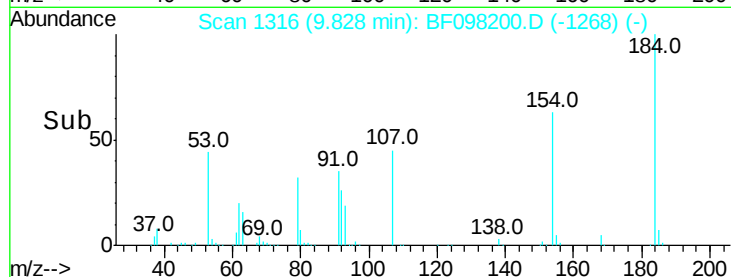
#53  
2,4-Dinitrophenol  
Concen: 95.933 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 155888  
Ion Ratio Lower Upper  
184 100  
63 76.6 62.7 94.1  
154 62.6 81.1 121.7#

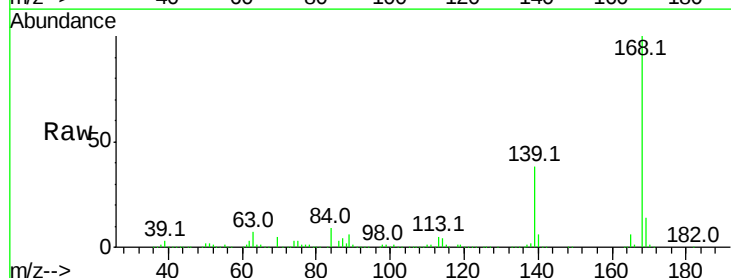


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

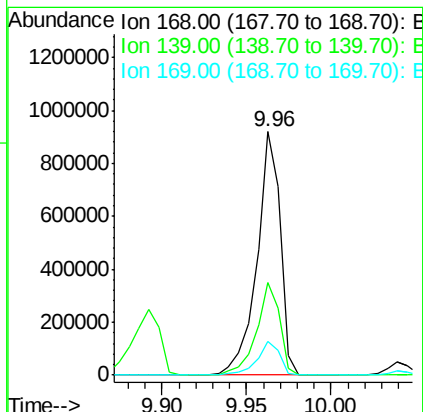
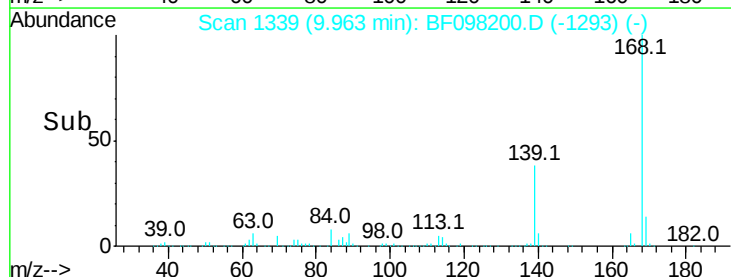


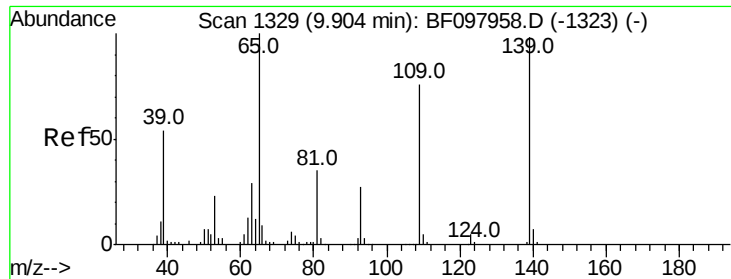
#54  
Dibenzofuran  
Concen: 43.160 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion:168 Resp: 882463  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.6 45.8  
169 13.7 10.8 16.2



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

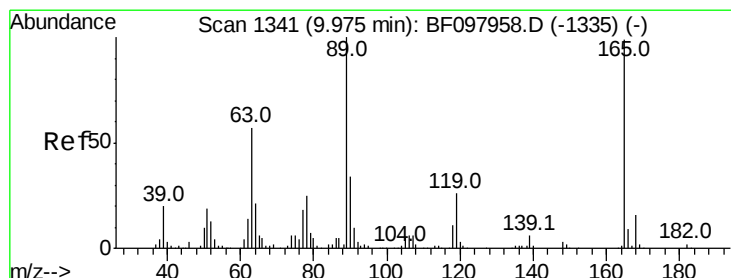
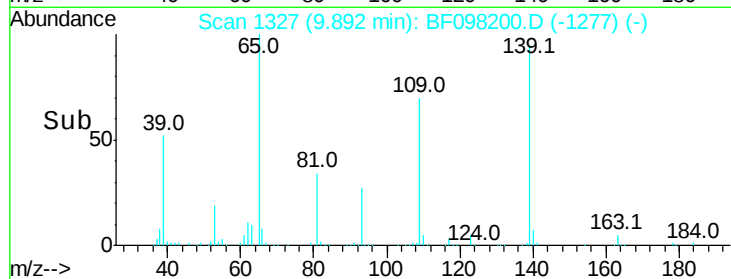
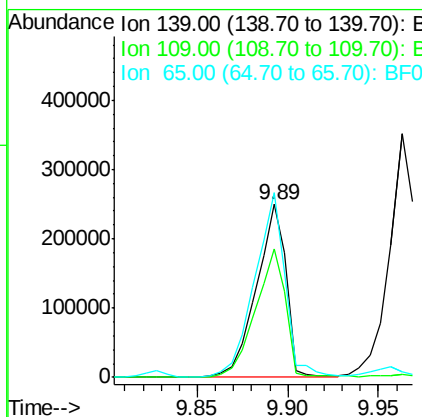
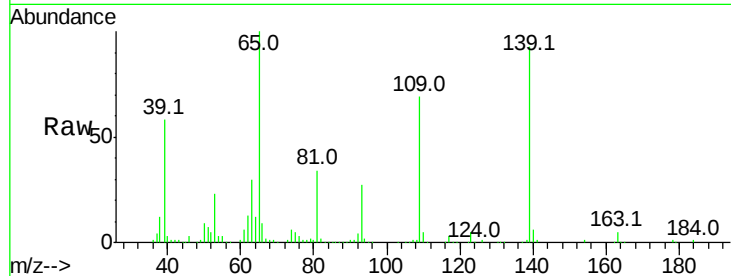




#55  
4-Nitrophenol  
Concen: 82.739 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

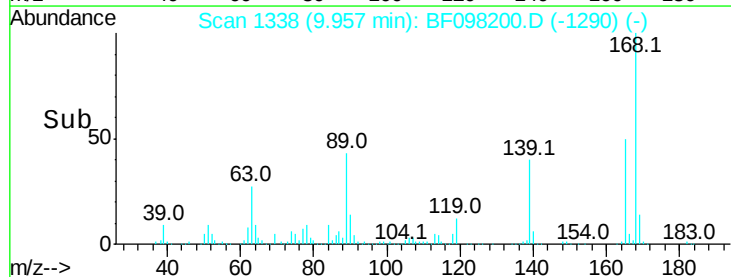
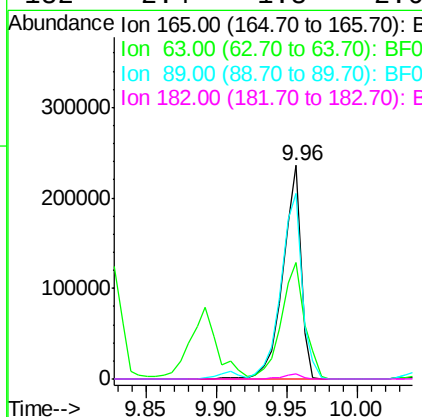
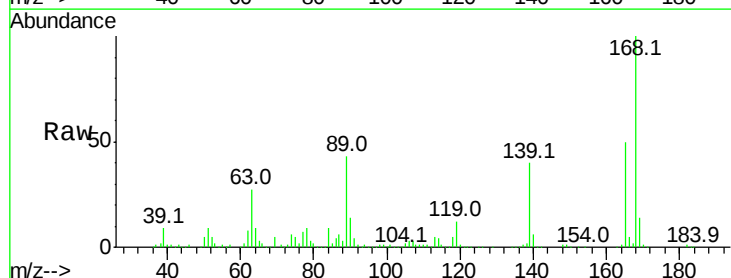
Instrument :  
BNA\_F  
ClientSampleId :

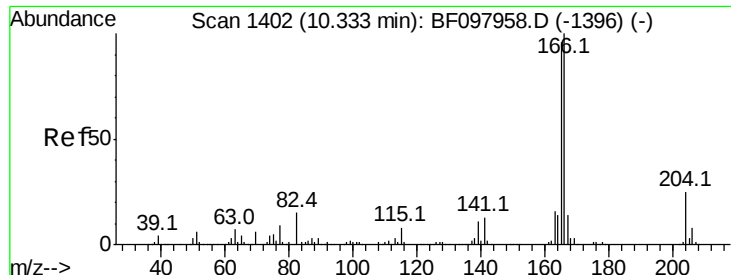
Tot Ion:139 Resp: 284049  
Ion Ratio Lower Upper  
139 100  
109 74.5 34.1 74.1#  
65 107.2 31.4 71.4#



#56  
2,4-Dinitrotoluene  
Concen: 50.696 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion:165 Resp: 212219  
Ion Ratio Lower Upper  
165 100  
63 54.8 25.4 38.0#  
89 86.9 46.4 69.6#  
182 2.4 1.8 2.6

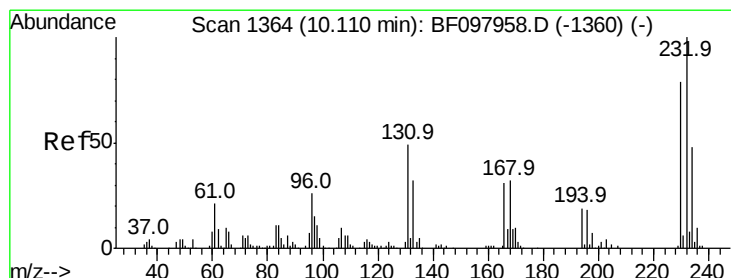
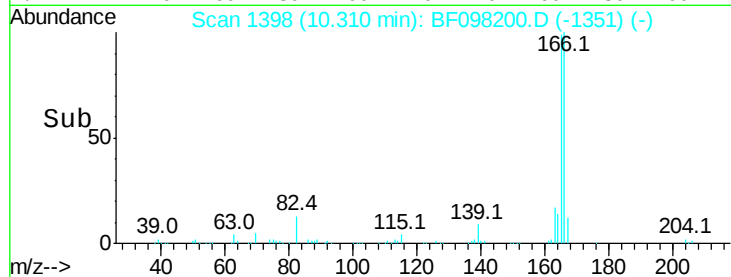
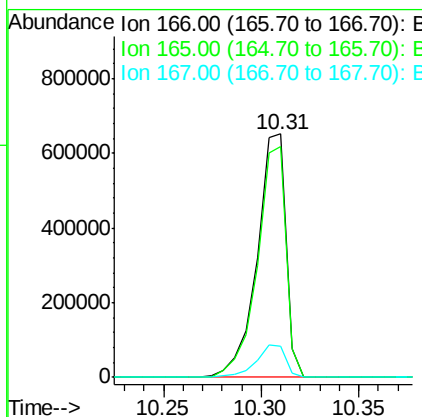
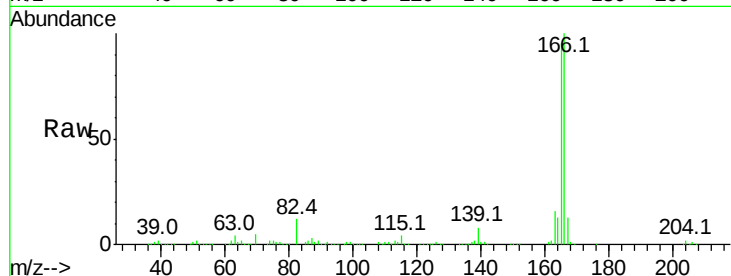




#57  
**Fluorene**  
 Concen: 42.267 ng  
 RT: 10.31 min Scan# 1398  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

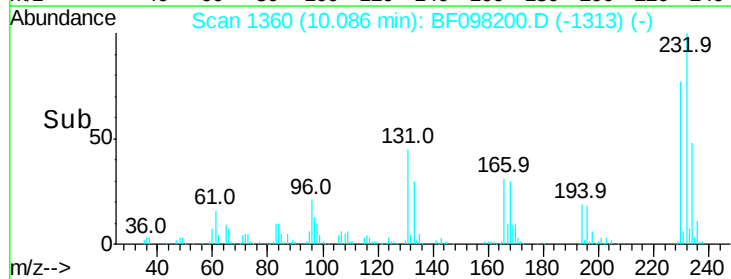
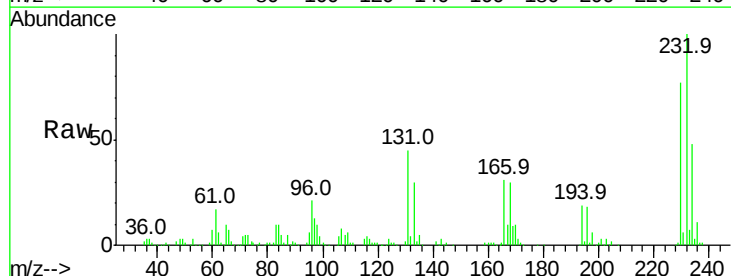
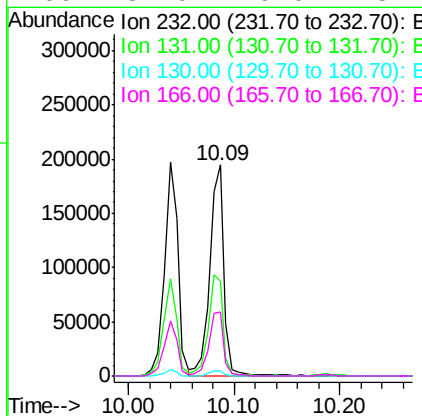
Instrument :  
 BNA\_F  
 ClientSampled :

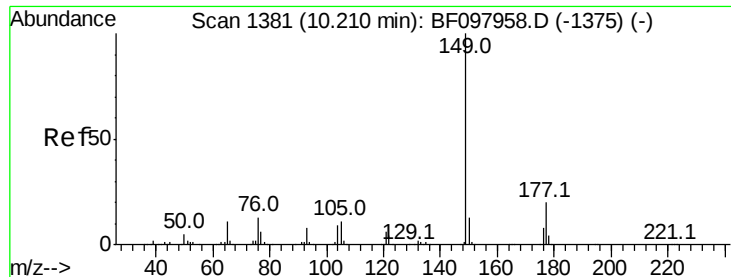
| Tot Ion   | 166   | Resp | 668154 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 78.8  |      |        |
| Upper     | 118.2 |      |        |
| 165       | 94.8  |      |        |
| 167       | 13.0  |      |        |



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 50.949 ng  
 RT: 10.09 min Scan# 1360  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion   | 232  | Resp | 184333 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 44.8 |      |        |
| Upper     | 67.2 |      |        |
| 131       | 49.4 |      |        |
| 130       | 2.6  |      |        |
| 166       | 32.0 |      |        |

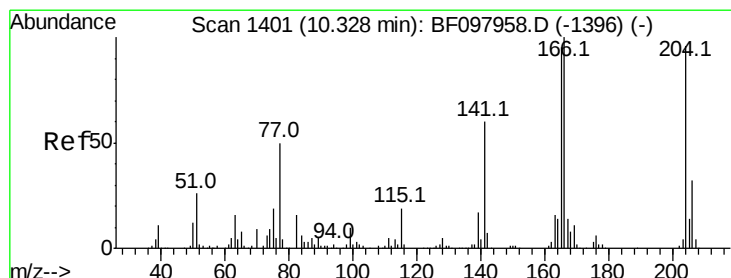
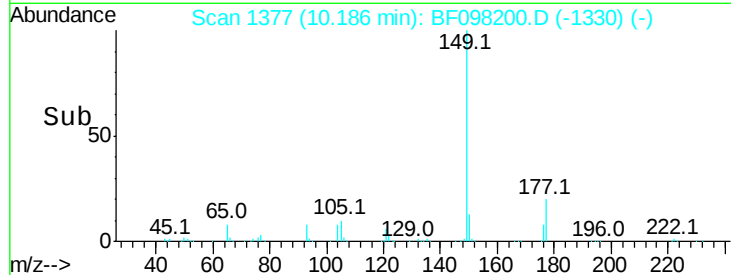
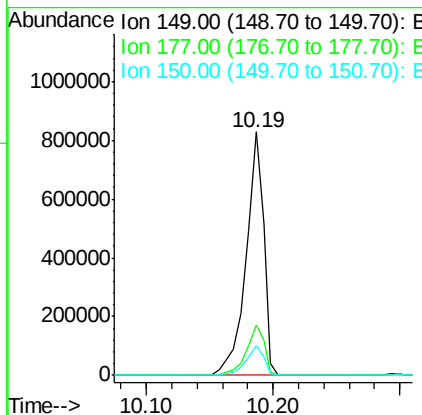
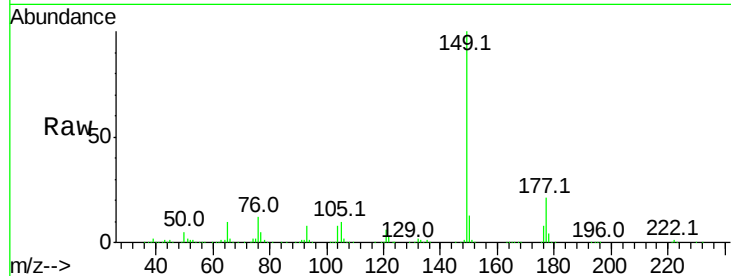




#59  
 Diethylphthalate  
 Concen: 45.597 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

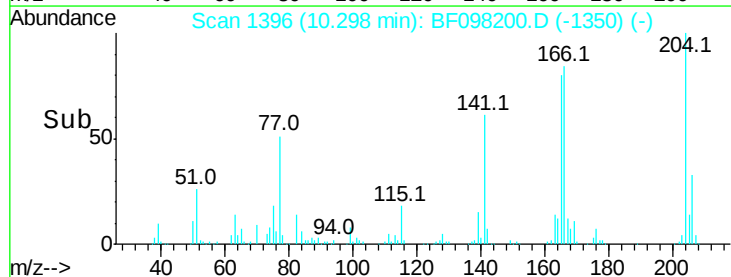
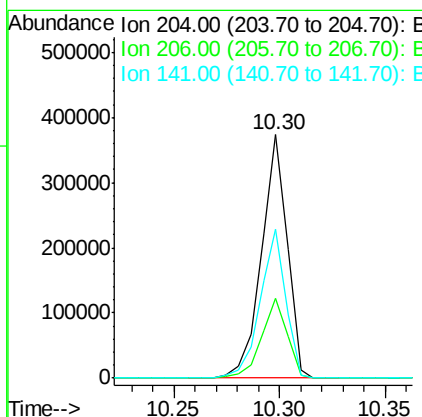
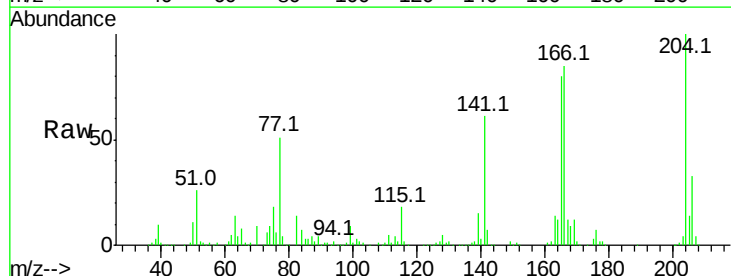
Instrument :  
 BNA\_F  
 ClientSampled :

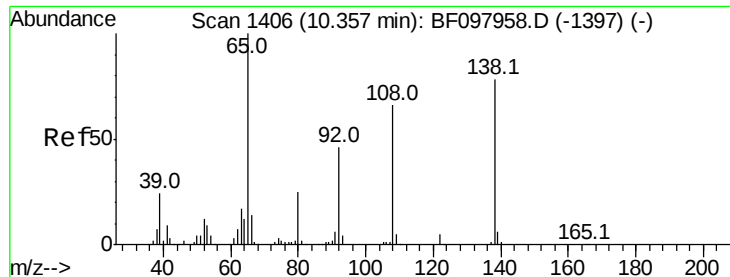
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.6  | 16.7  | 25.1  |
| 150     | 12.5  | 10.2  | 15.2  |



#60  
 4-Chlorophenyl-phenylether  
 Concen: 43.112 ng  
 RT: 10.30 min Scan# 1396  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.6  | 26.2  | 39.2  |
| 141     | 61.3  | 60.8  | 91.2  |

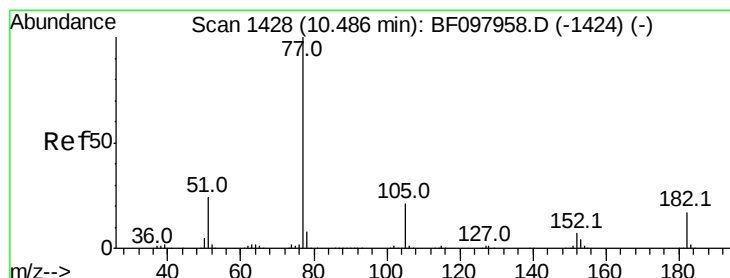
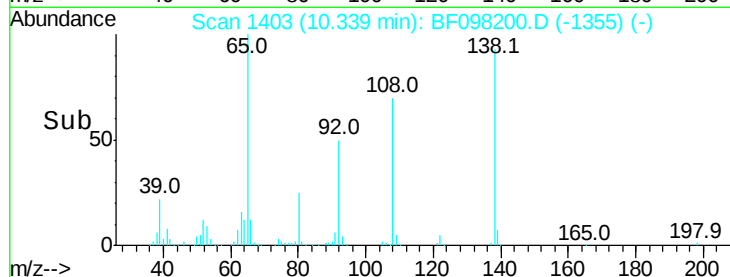
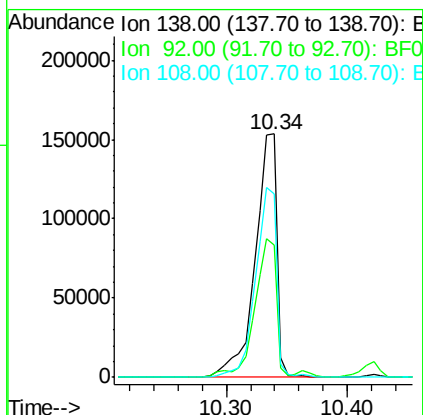
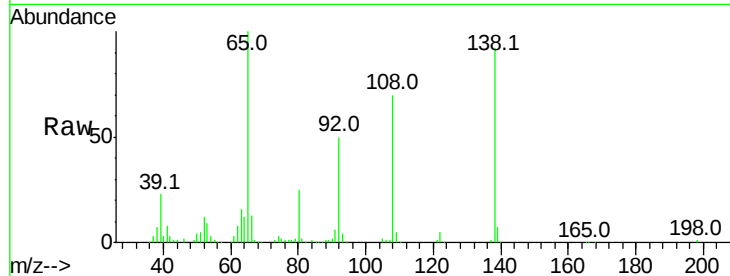




#61  
4-Nitroaniline  
Concen: 47.647 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

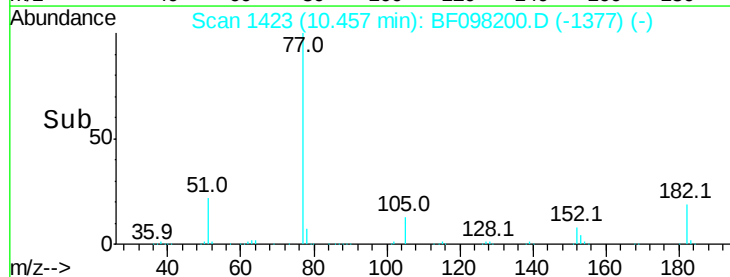
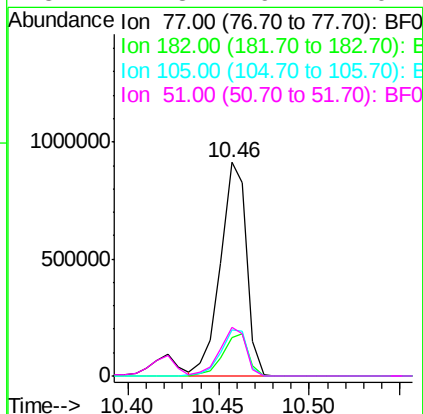
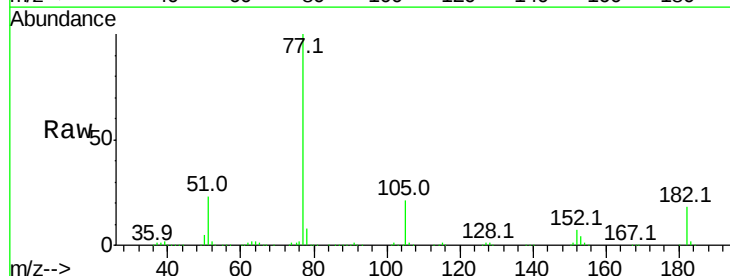
Instrument :  
BNA\_F  
ClientSampled :

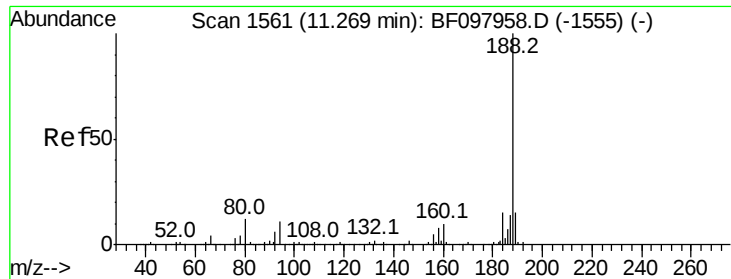
Tot Ion:138 Resp: 194890  
Ion Ratio Lower Upper  
138 100  
92 54.1 21.8 61.8  
108 75.6 42.3 82.3



#62  
Azobenzene  
Concen: 43.886 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion: 77 Resp: 910976  
Ion Ratio Lower Upper  
77 100  
182 17.9 0.1 40.1  
105 21.4 3.6 43.6  
51 22.8 9.4 49.4

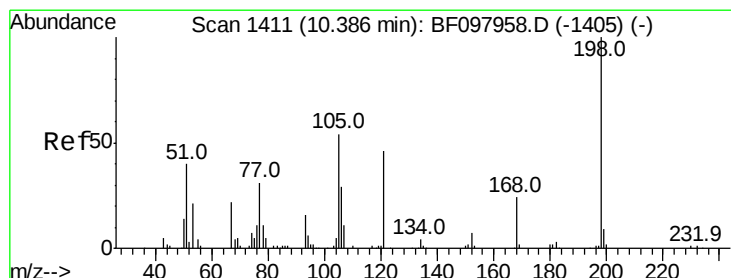
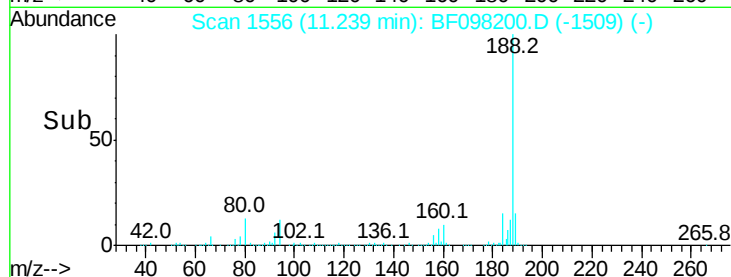
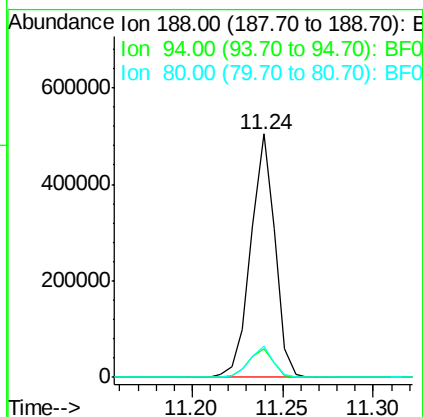
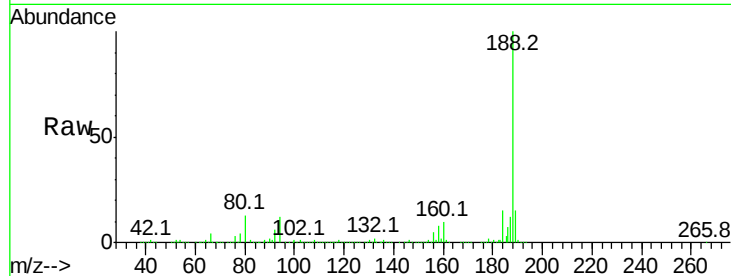




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

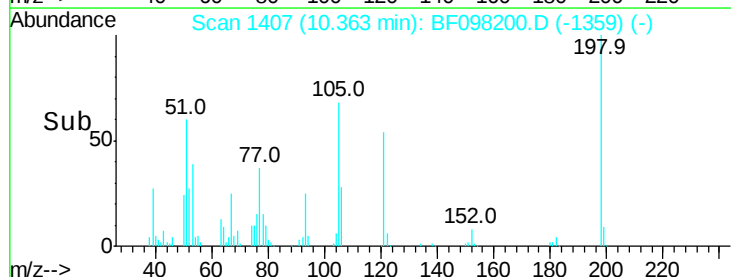
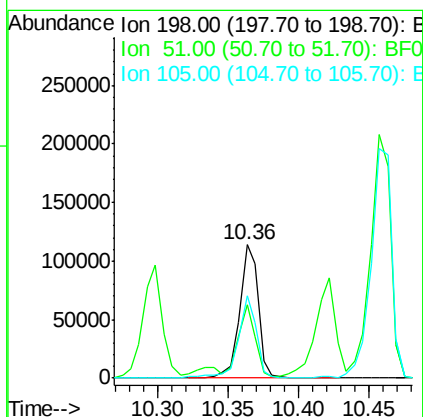
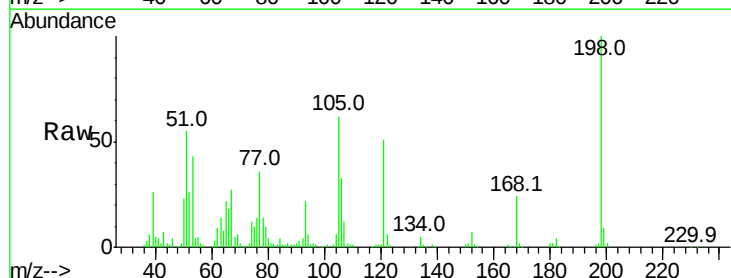
Instrument :  
BNA\_F  
ClientSampleId :

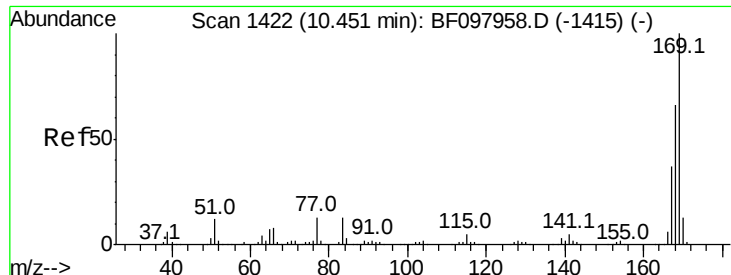
Tot Ion:188 Resp: 466743  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.4 14.2  
80 12.8 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 47.734 ng  
RT: 10.36 min Scan# 1407  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion:198 Resp: 104866  
Ion Ratio Lower Upper  
198 100  
51 55.2 53.2 93.2  
105 62.3 45.8 85.8

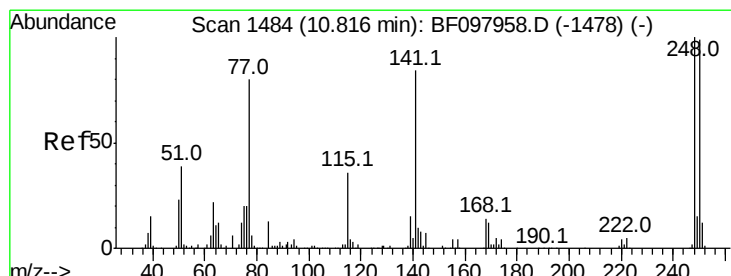
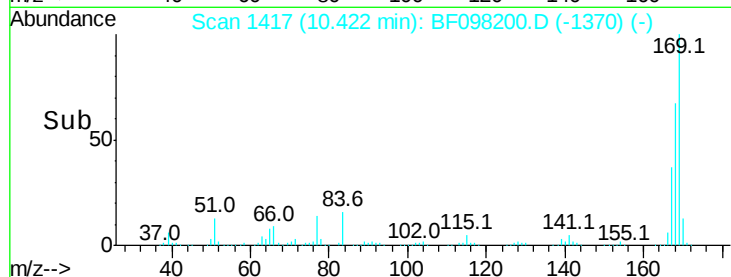
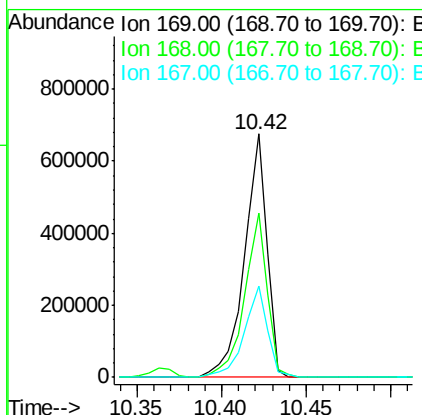
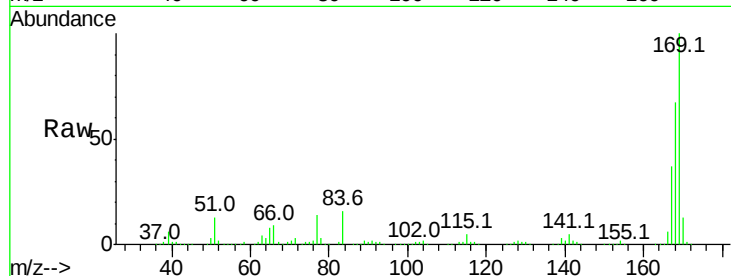




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.755 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

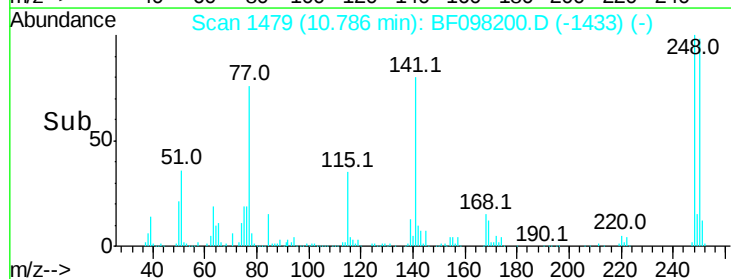
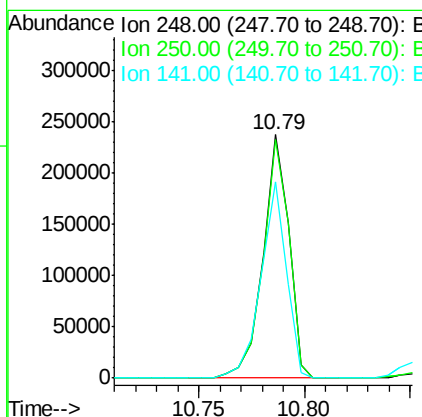
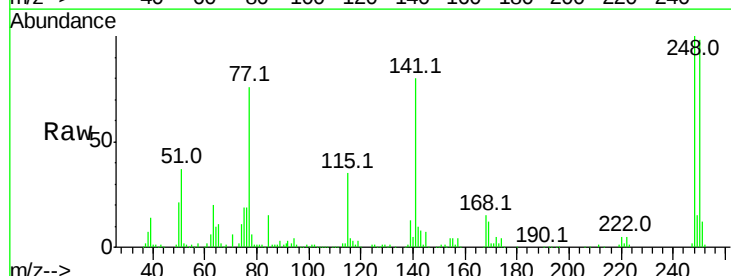
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 631863  
 Ion Ratio Lower Upper  
 169 100  
 168 67.3 53.2 79.8  
 167 37.5 29.5 44.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.682 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:248 Resp: 202025  
 Ion Ratio Lower Upper  
 248 100  
 250 98.1 76.8 115.2  
 141 80.4 68.6 103.0





#67

Hexachlorobenzene

Concen: 40.077 ng

RT: 10.85 min Scan# 1490

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

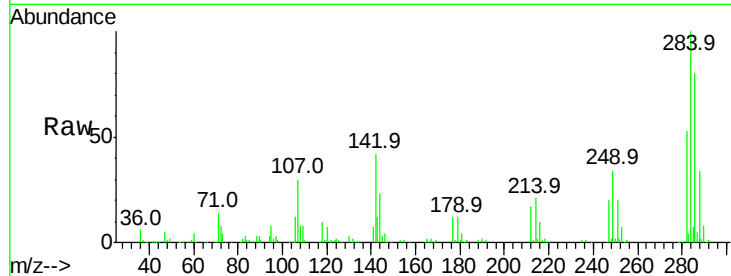
Tot Ion:284 Resp: 197989

Ion Ratio Lower Upper

284 100

142 41.7 22.8 34.2#

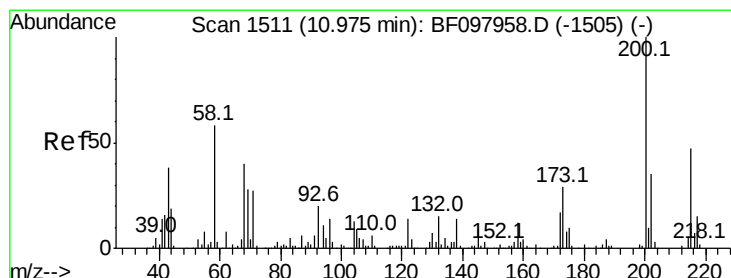
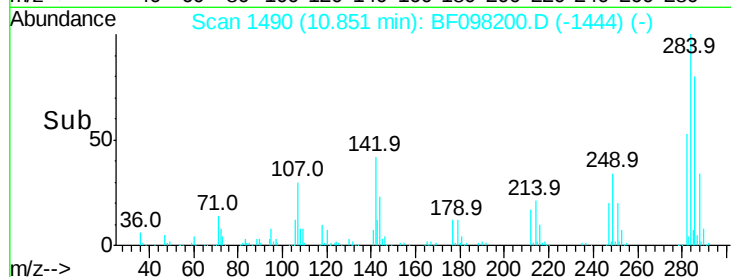
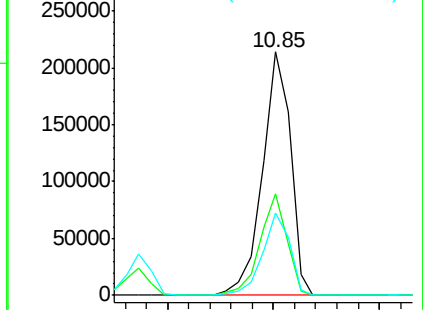
249 33.9 24.0 36.0



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: 49.279 ng

RT: 10.95 min Scan# 1507

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

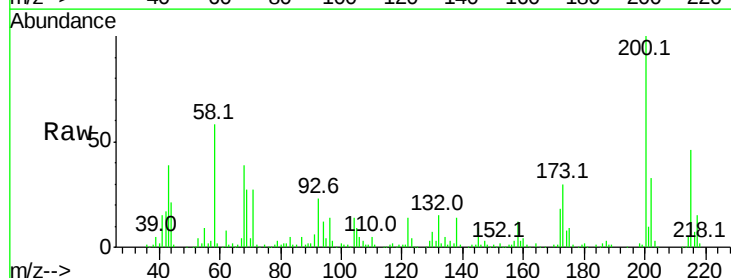
Tgt Ion:200 Resp: 207714

Ion Ratio Lower Upper

200 100

173 29.9 6.3 46.3

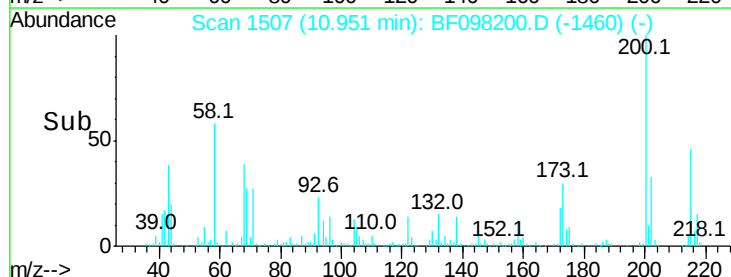
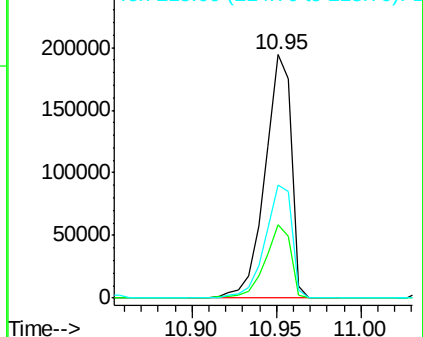
215 46.5 27.2 67.2

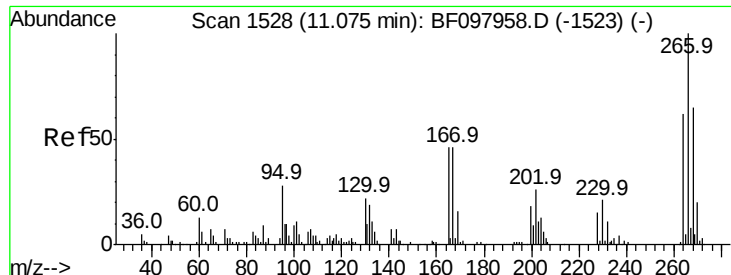


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

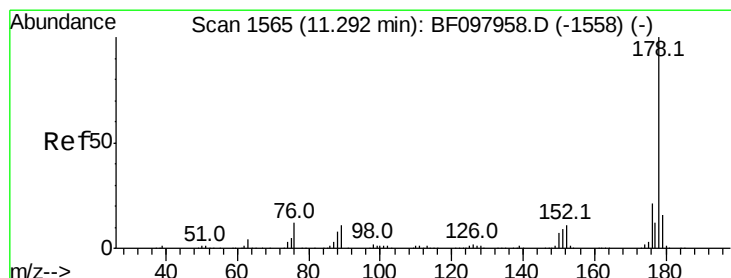
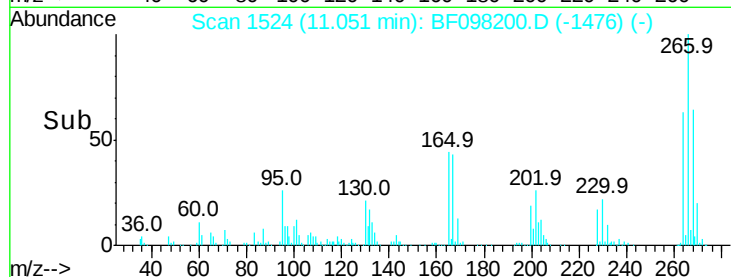
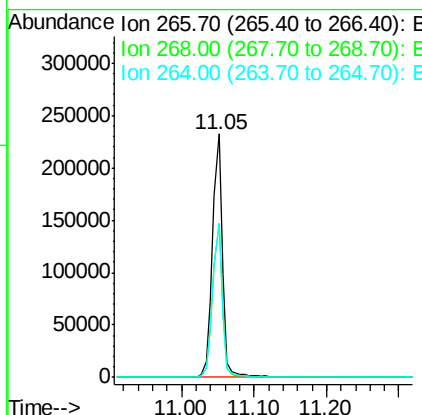
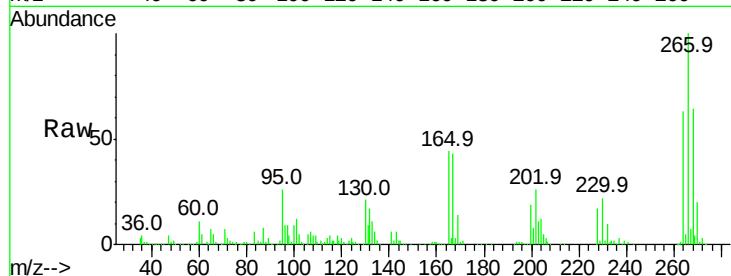




#69  
 Pentachlorophenol  
 Concen: 78.492 ng  
 RT: 11.05 min Scan# 1524  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

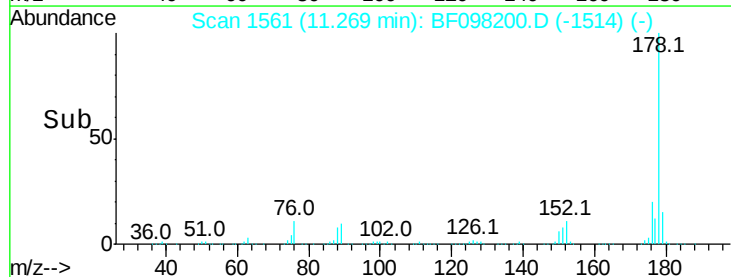
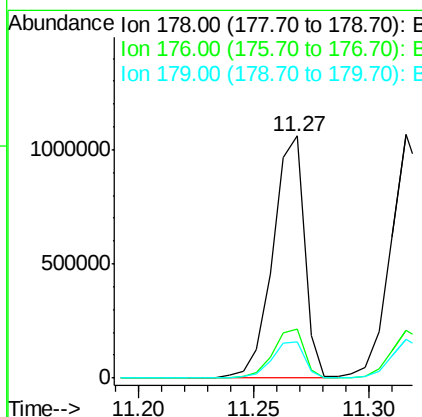
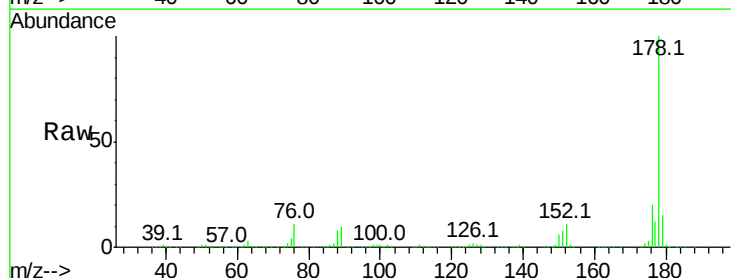
Instrument :  
 BNA\_F  
 ClientSampleId :

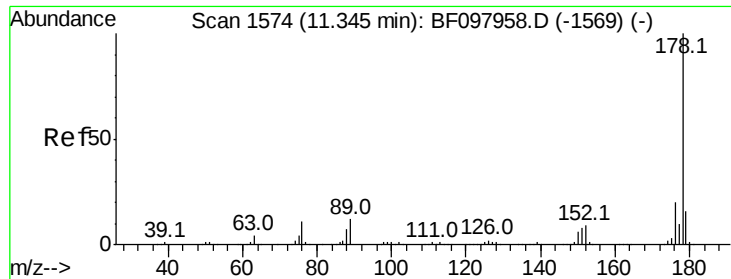
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.5  | 51.1  | 76.7  |
| 264     | 63.1  | 51.7  | 77.5  |



#70  
 Phenanthrene  
 Concen: 40.553 ng  
 RT: 11.27 min Scan# 1561  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 16.2  | 24.4  |
| 179     | 15.0  | 12.6  | 19.0  |





#71

Anthracene

Concen: 41.432 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

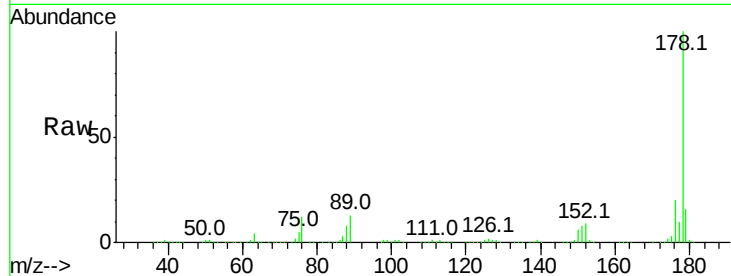
Tot Ion:178 Resp: 1045181

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

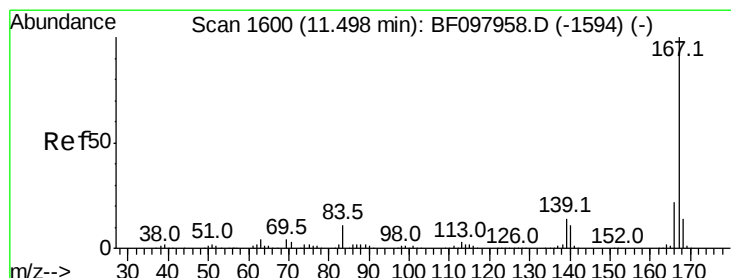
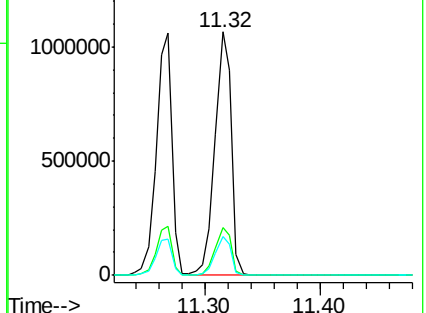
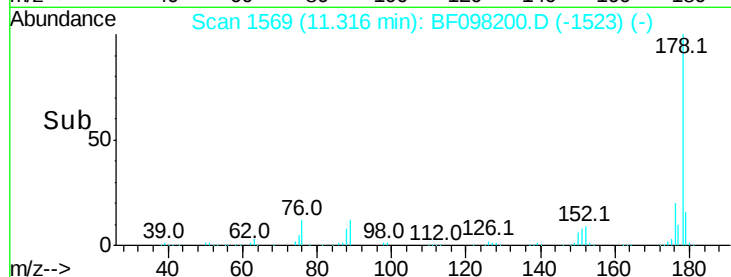
179 15.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.730 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

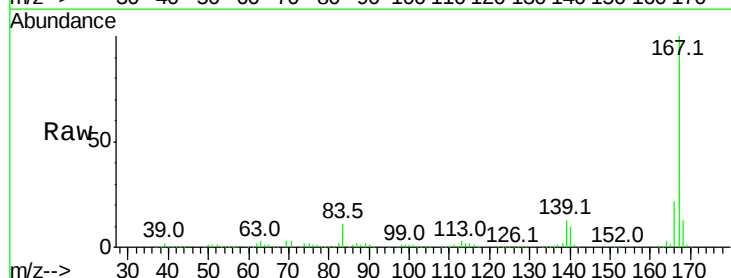
Tgt Ion:167 Resp: 975287

Ion Ratio Lower Upper

167 100

166 22.1 18.1 27.1

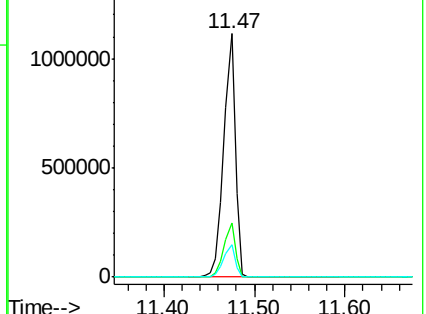
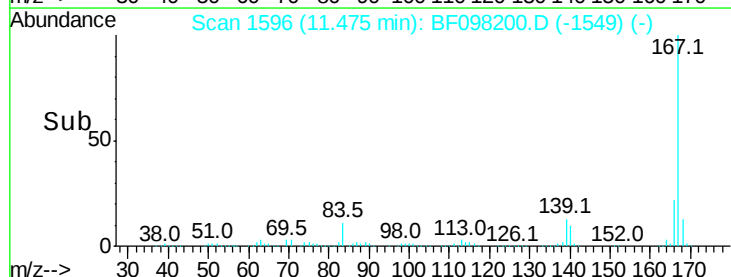
139 13.3 11.7 17.5

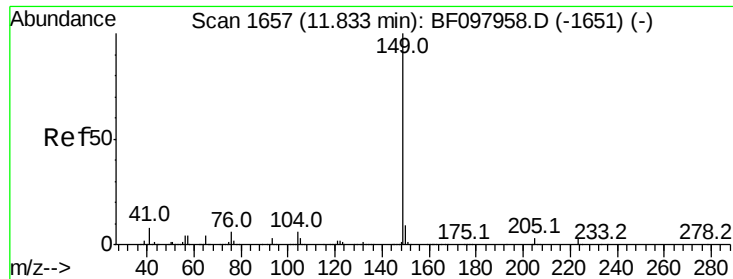


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.642 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

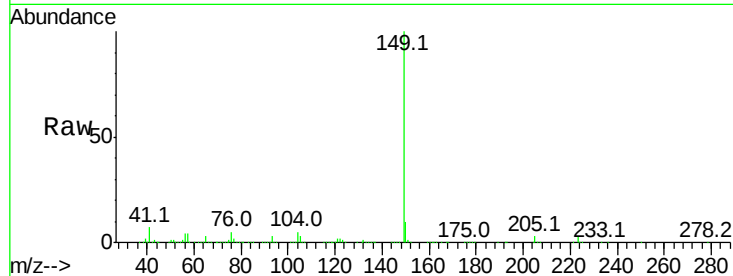
Tot Ion:149 Resp: 1314044

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

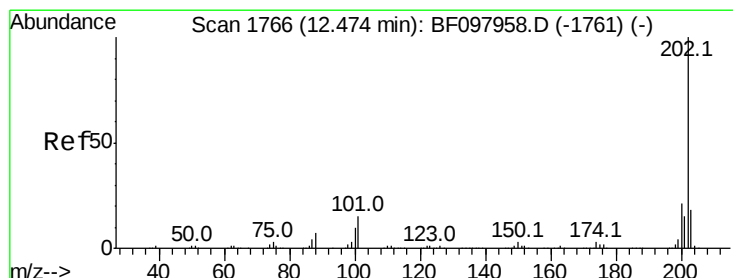
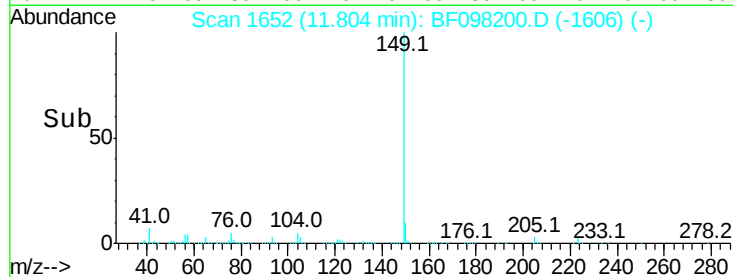
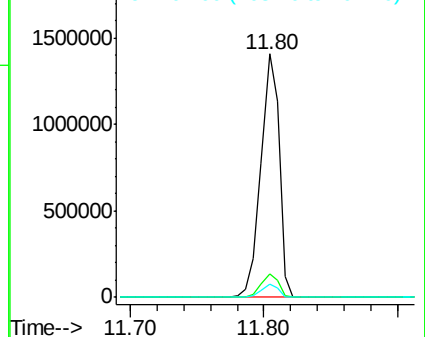
104 5.3 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.885 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

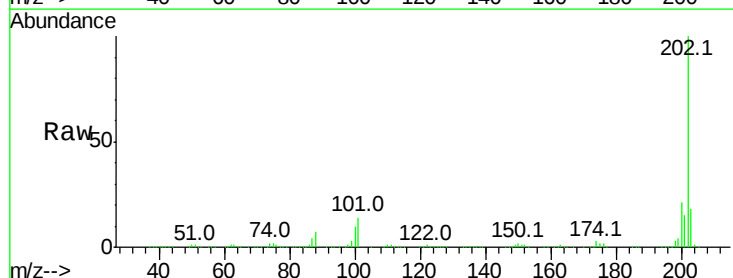
Tgt Ion:202 Resp: 1087333

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

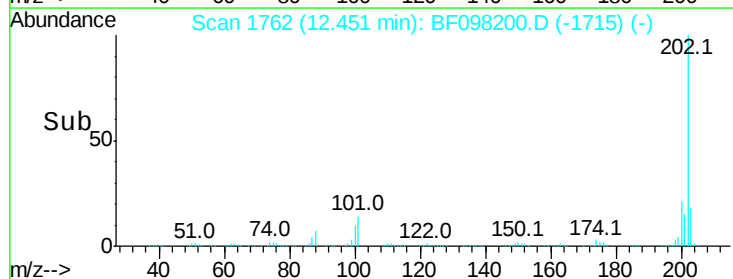
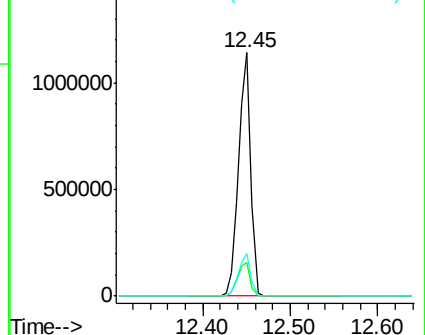
203 17.7 0.0 38.1

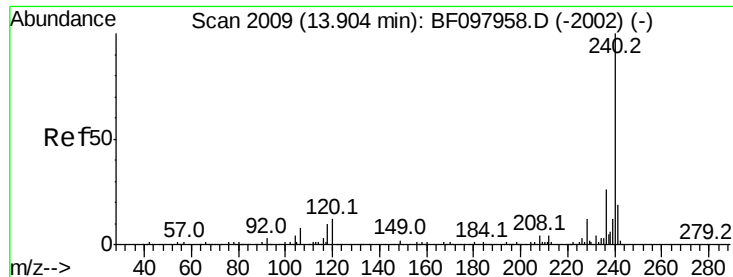


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

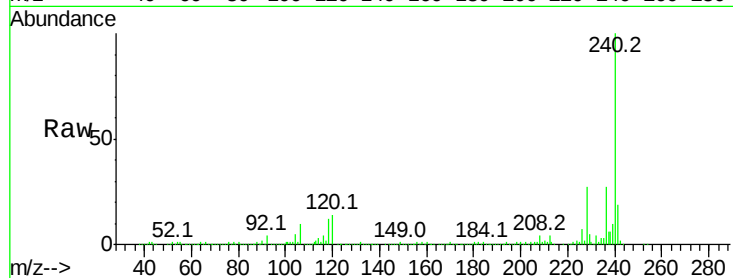
Tot Ion:240 Resp: 343471

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

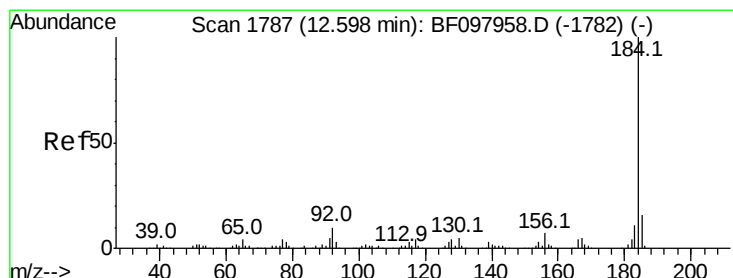
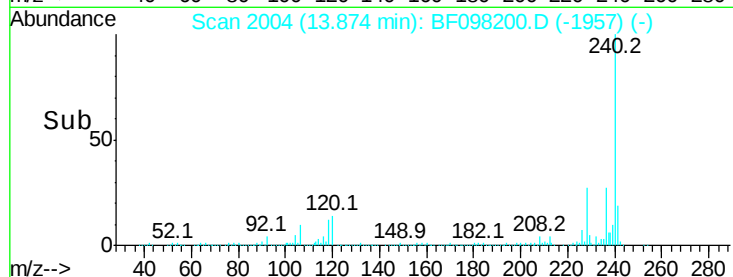
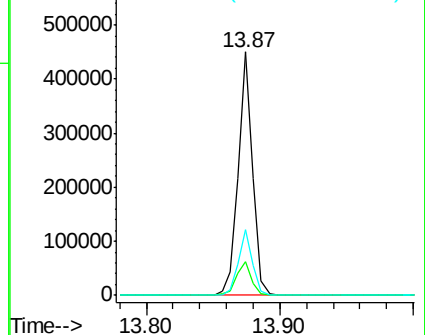
236 26.7 20.5 30.7



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: 39.525 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

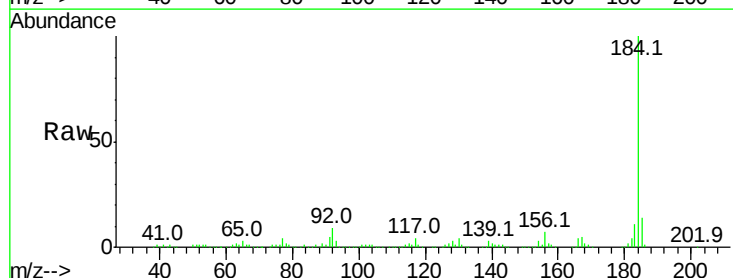
Tgt Ion:184 Resp: 445116

Ion Ratio Lower Upper

184 100

185 13.8 15.5 23.3#

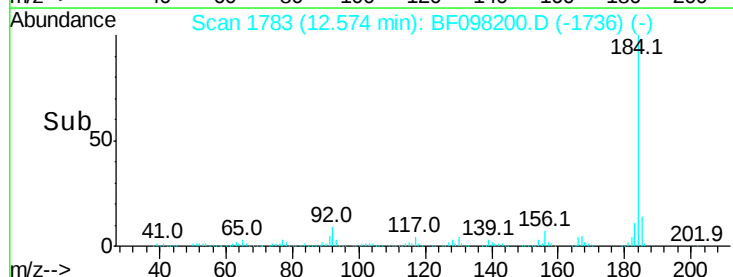
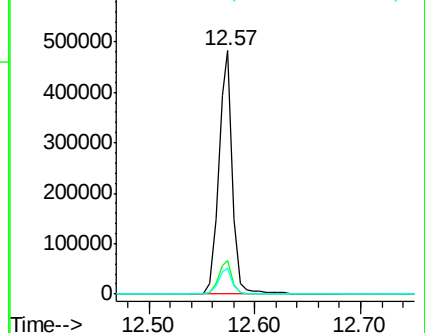
183 10.9 9.8 14.6

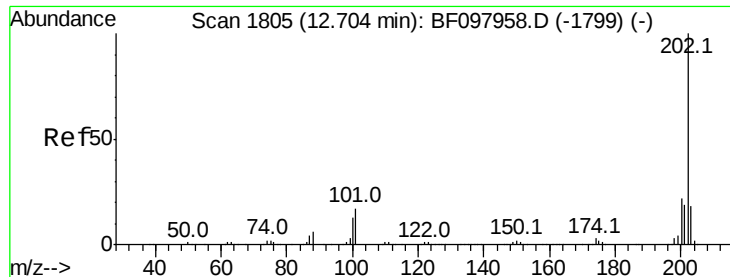


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

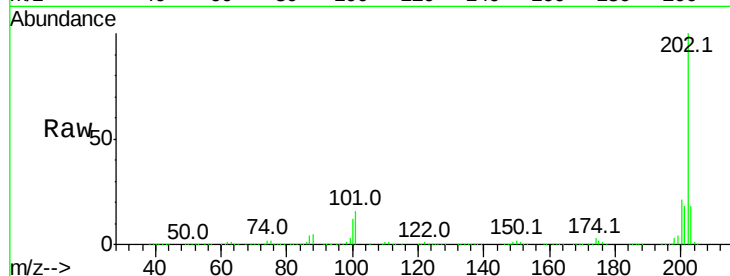




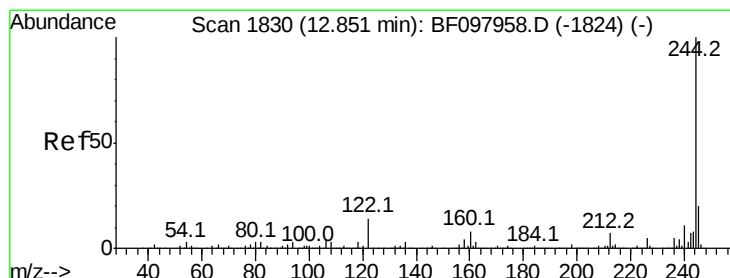
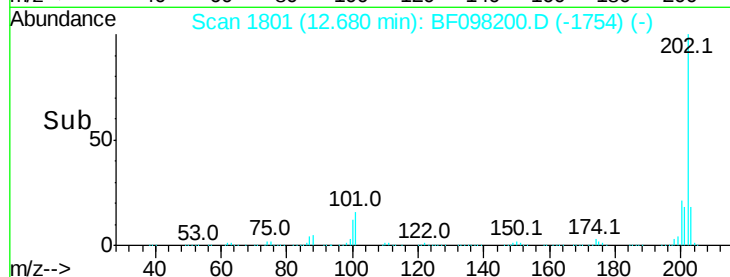
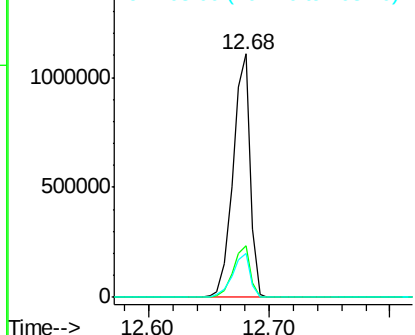
#77  
Pvrene  
Concen: 38.853 ng  
RT: 12.68 min Scan# 1801  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:202 Resp: 1091462  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.6 26.4  
203 17.8 14.4 21.6

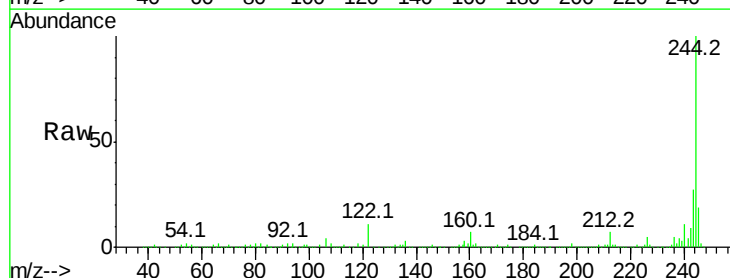


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

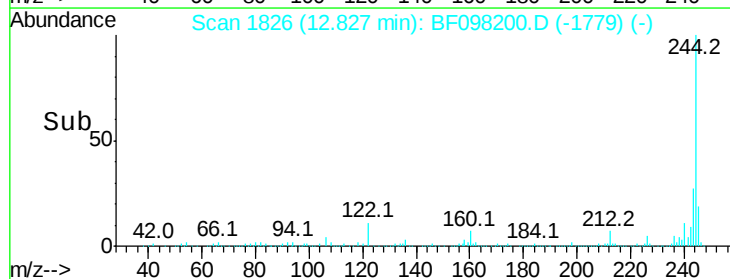
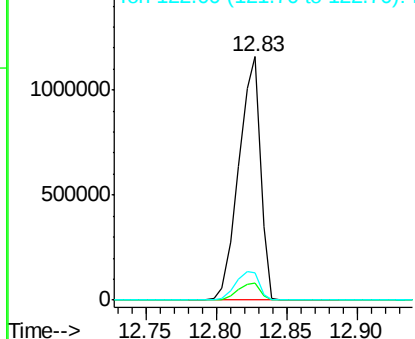


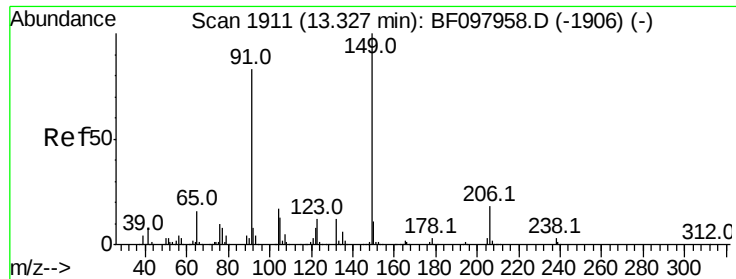
#78  
Terphenyl-d14  
Concen: 75.438 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion:244 Resp: 1242529  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.0 9.0  
122 11.5 10.3 15.5



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

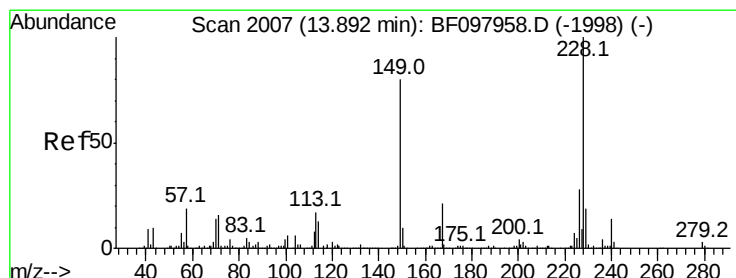
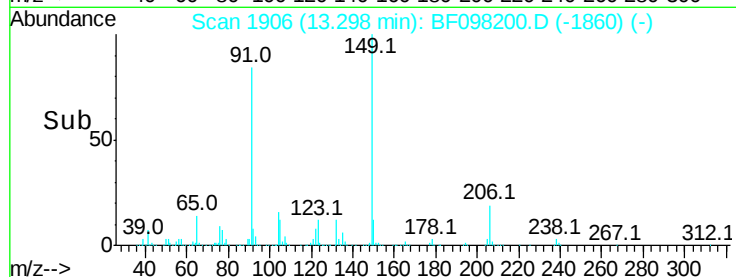
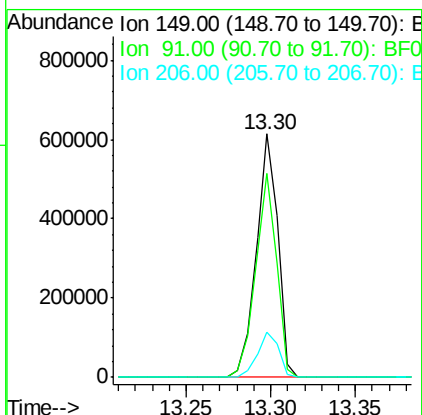
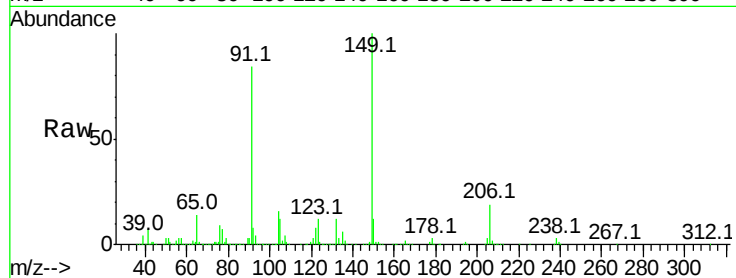




#79  
Butylbenzylphthalate  
Concen: 50.608 ng  
RT: 13.30 min Scan# 1906  
Delta R.T. -0.03 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

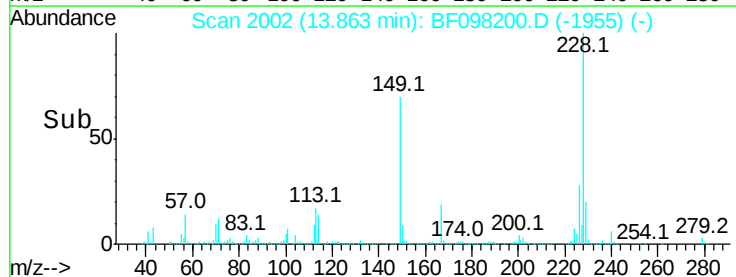
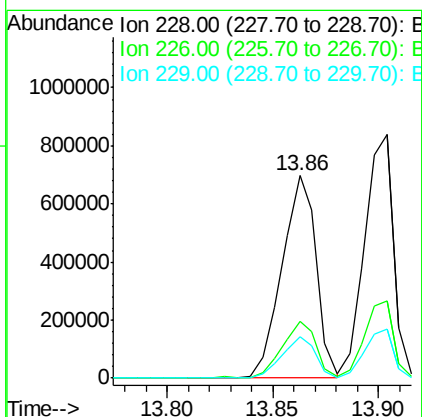
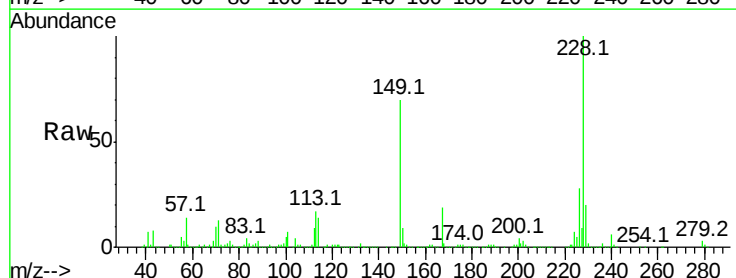
Instrument :  
BNA\_F  
ClientSampleId :

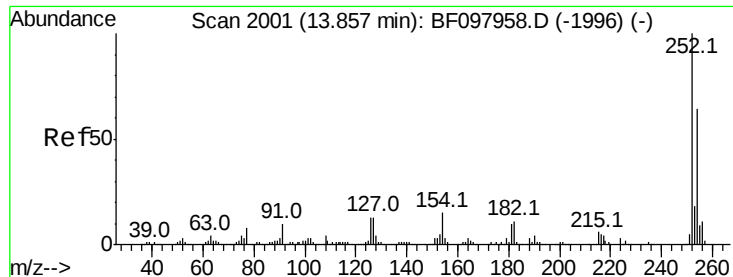
Tot Ion:149 Resp: 545072  
Ion Ratio Lower Upper  
149 100  
91 83.8 45.0 67.4#  
206 18.6 17.0 25.6



#80  
Benzo(a)anthracene  
Concen: 38.219 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.02 min  
Lab File: BF098200.D  
Acq: 31 Aug 2017 17:52

Tgt Ion:228 Resp: 786769  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.6 33.8  
229 20.3 16.3 24.5

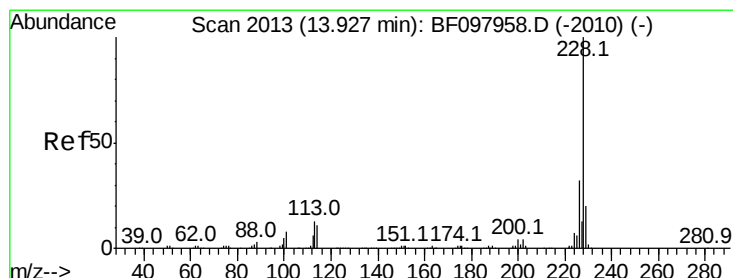
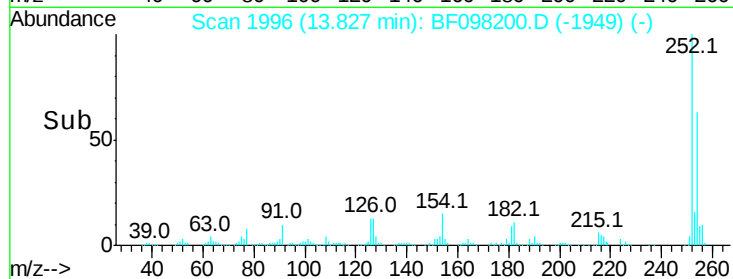
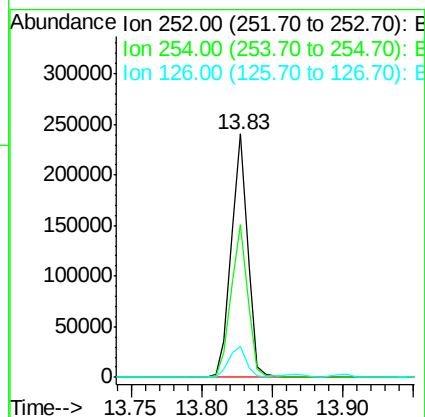
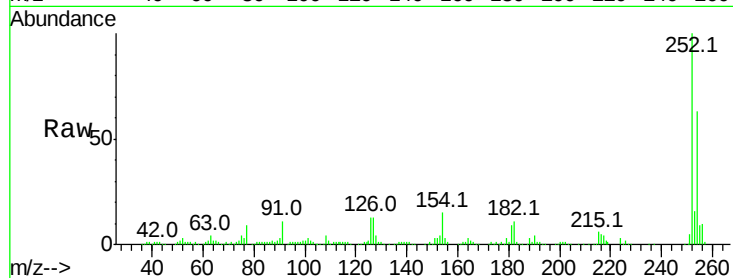




#81  
 3,3'-Dichlorobenzidine  
 Concen: 28.247 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

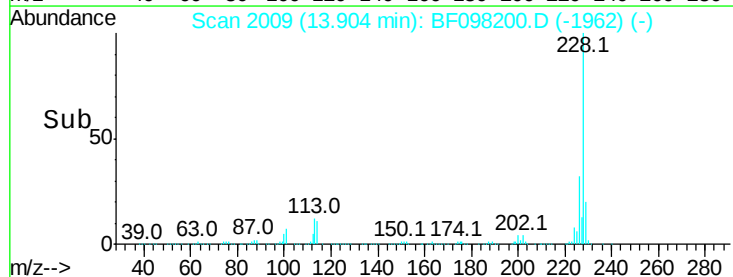
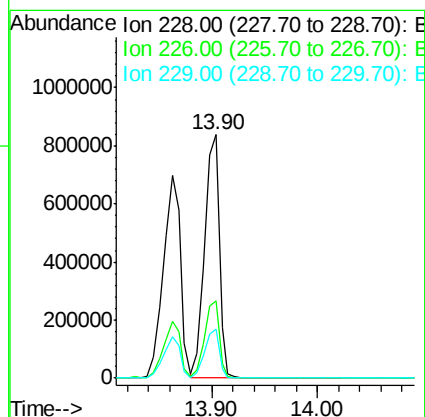
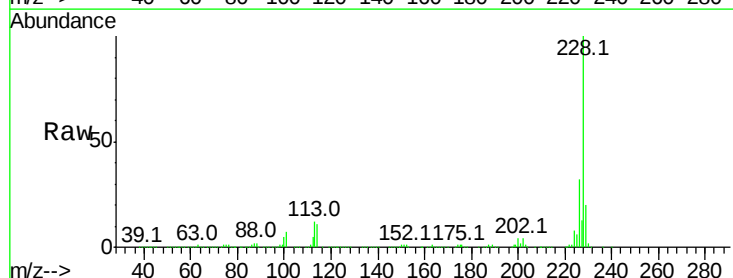
Instrument :  
 BNA\_F  
 ClientSampleId :

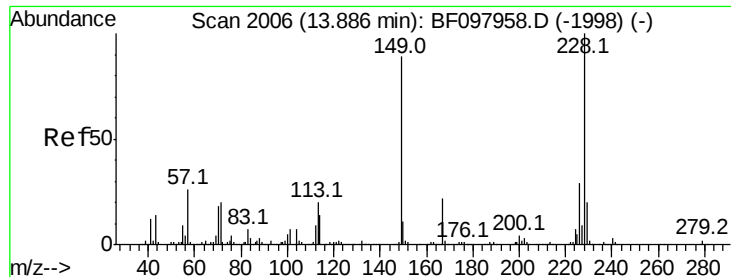
Tot Ion:252 Resp: 196216  
 Ion Ratio Lower Upper  
 252 100  
 254 62.7 51.5 77.3  
 126 13.0 15.8 23.8#



#82  
 Chrysene  
 Concen: 39.212 ng  
 RT: 13.90 min Scan# 2009  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:228 Resp: 802979  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 24.9 37.3  
 229 20.1 15.8 23.6

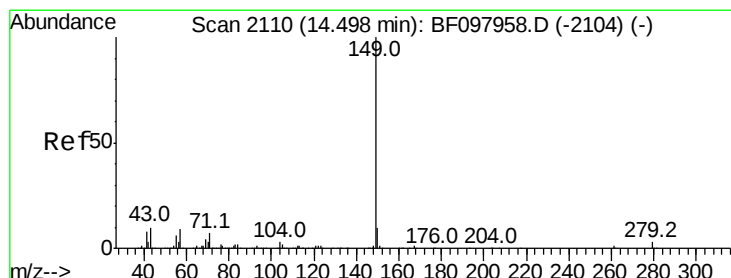
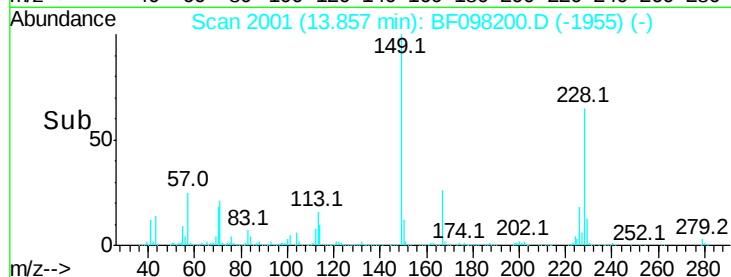
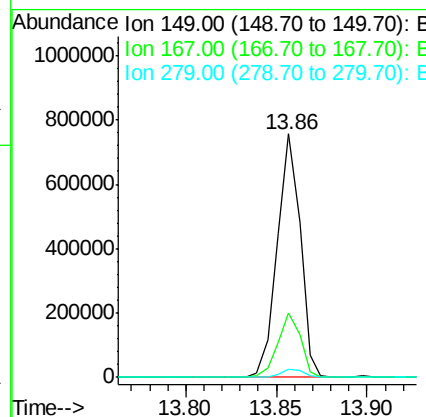
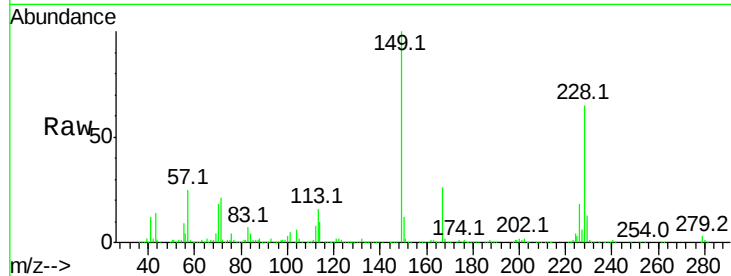




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 56.068 ng  
 RT: 13.86 min Scan# 2001  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

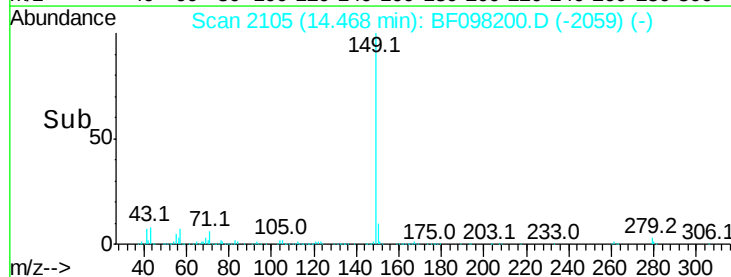
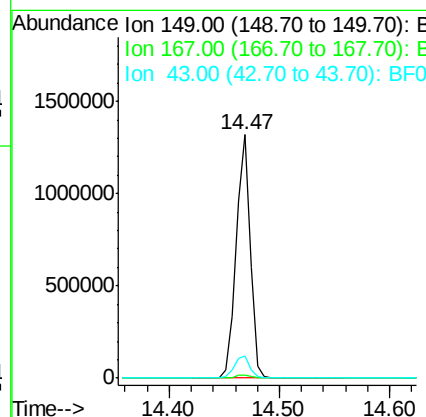
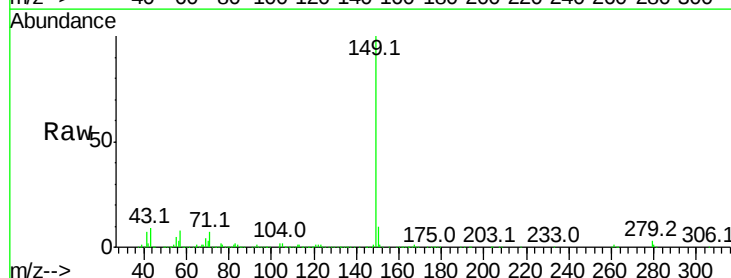
Instrument :  
 BNA\_F  
 ClientSampleId :

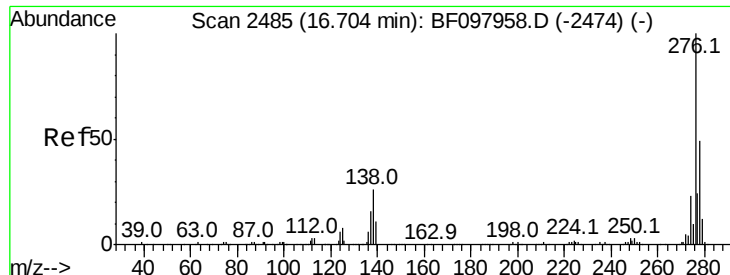
Tot Ion:149 Resp: 669169  
 Ion Ratio Lower Upper  
 149 100  
 167 26.4 21.0 31.4  
 279 3.1 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 56.936 ng  
 RT: 14.47 min Scan# 2105  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Tgt Ion:149 Resp: 1182361  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 9.5 8.5 12.7

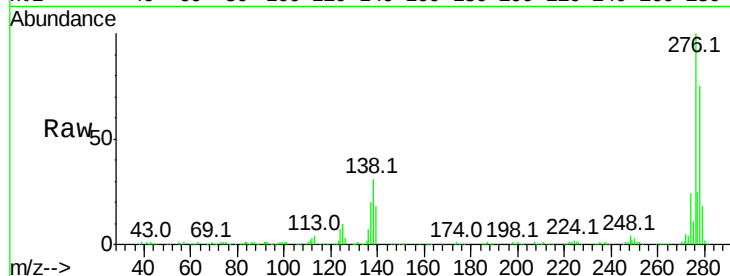




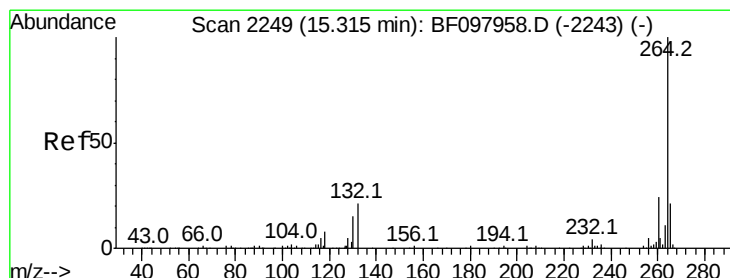
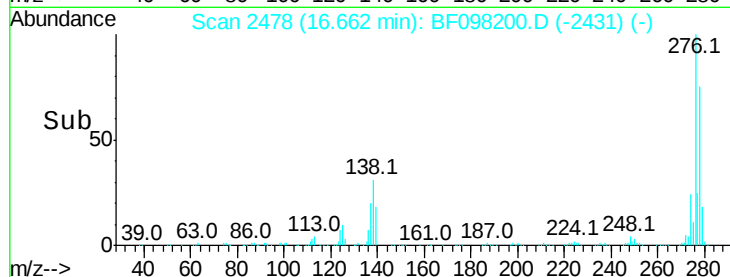
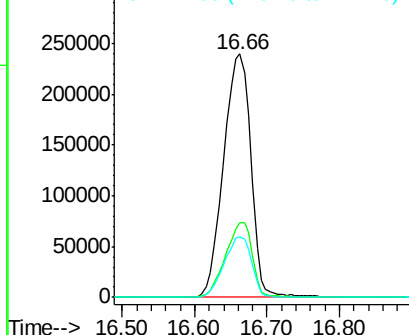
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.743 ng  
 RT: 16.66 min Scan# 2478  
 Delta R.T. -0.02 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.1  | 27.8  | 41.6  |
| 277     | 25.1  | 20.2  | 30.4  |

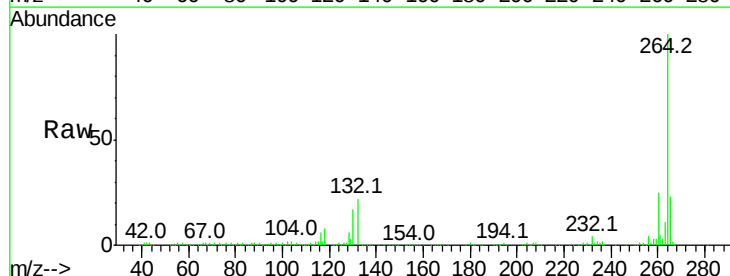


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

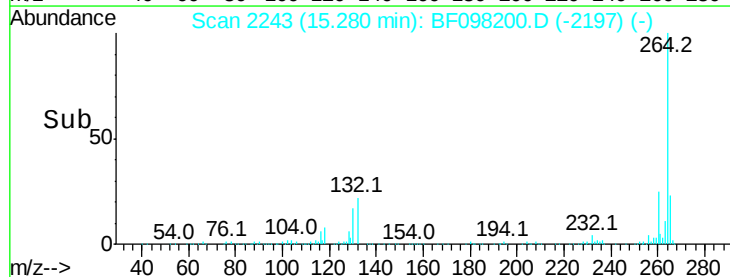
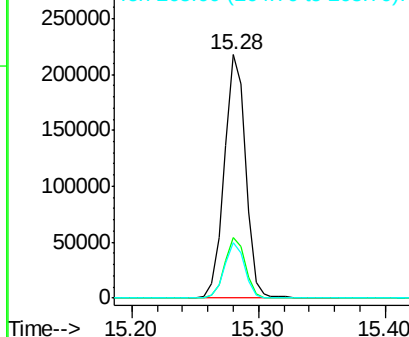


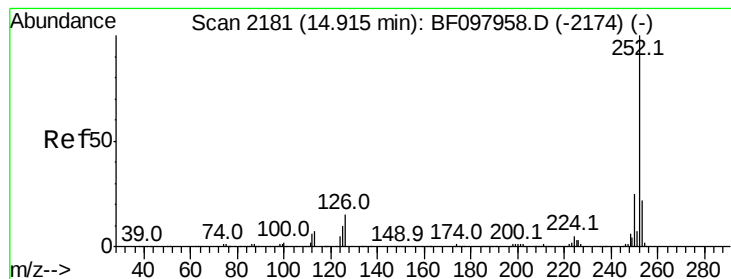
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.28 min Scan# 2243  
 Delta R.T. -0.03 min  
 Lab File: BF098200.D  
 Acq: 31 Aug 2017 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.5  | 29.3  |
| 265     | 22.5  | 17.2  | 25.8  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 44.395 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

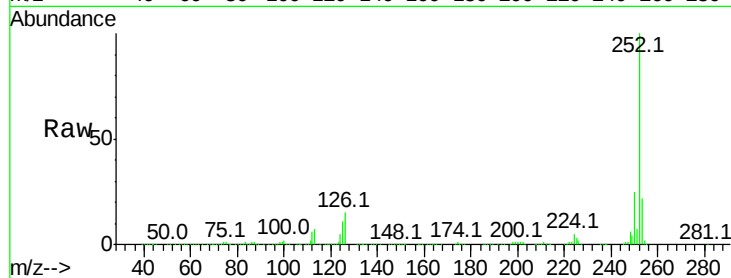
Tot Ion:252 Resp: 708887

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

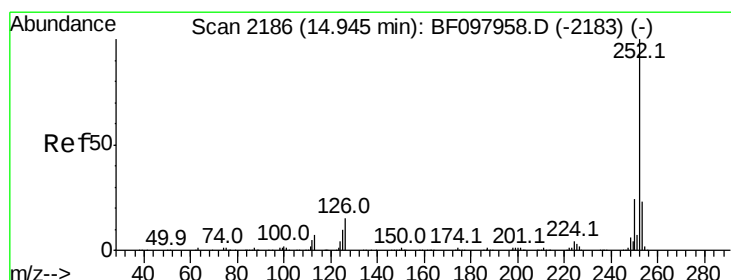
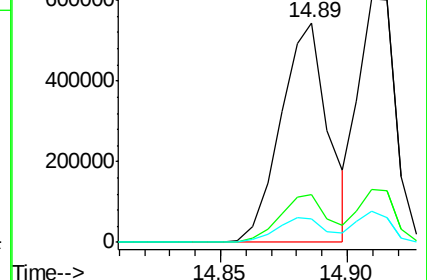
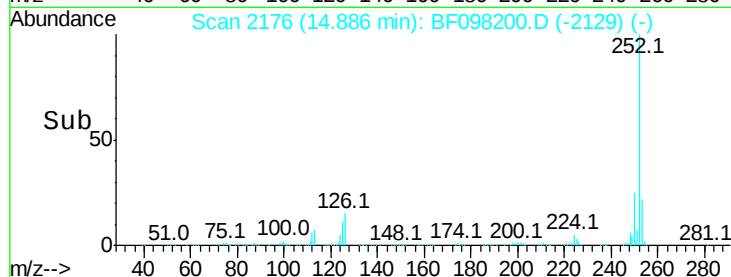
125 10.6 9.8 14.8



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



#88

Benzo(k)fluoranthene

Concen: 41.499 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

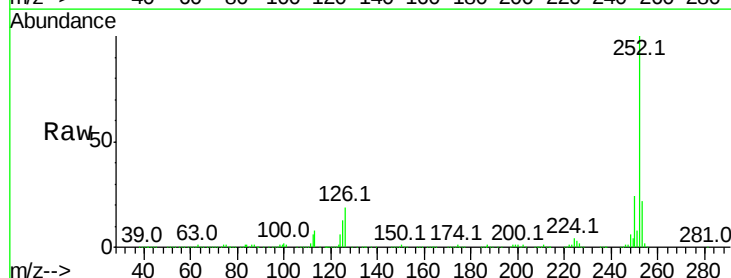
Tgt Ion:252 Resp: 622568

Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

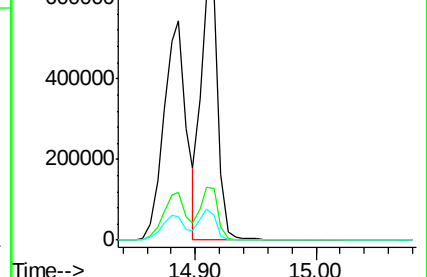
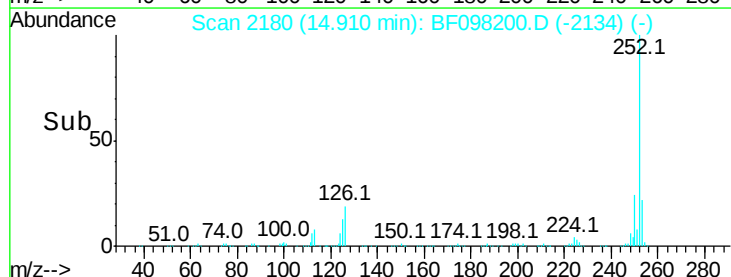
125 12.8 13.1 19.7#

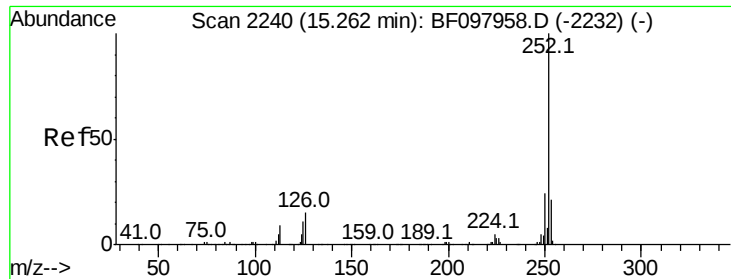


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 44.087 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

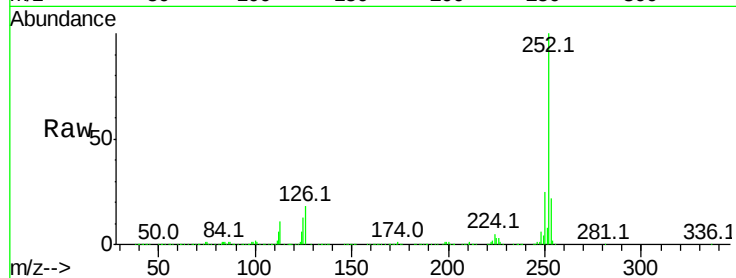
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:252 Resp: 623205

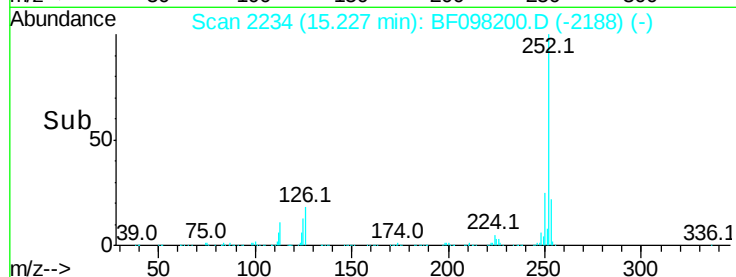
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 17.5  | 26.3  |
| 125 | 13.1  | 11.0  | 16.4  |



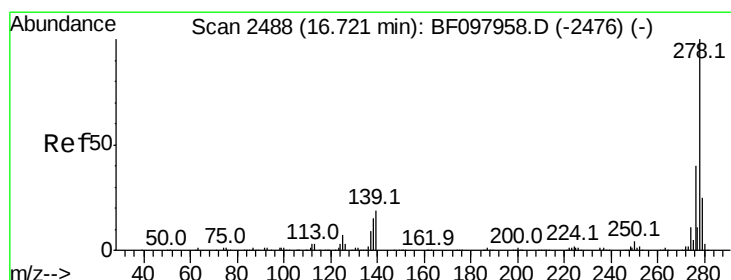
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 15.10 15.20 15.30 15.40



#90

Dibenzo(a,h)anthracene

Concen: 45.015 ng

RT: 16.67 min Scan# 2480

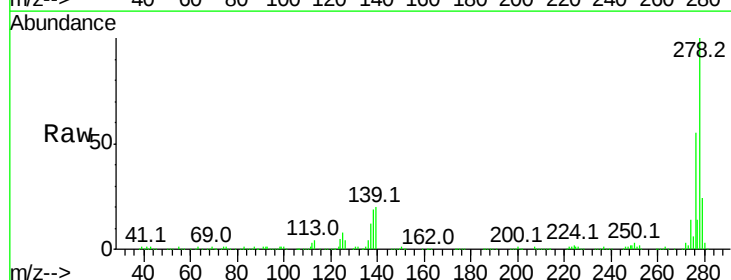
Delta R.T. -0.04 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Tgt Ion:278 Resp: 518041

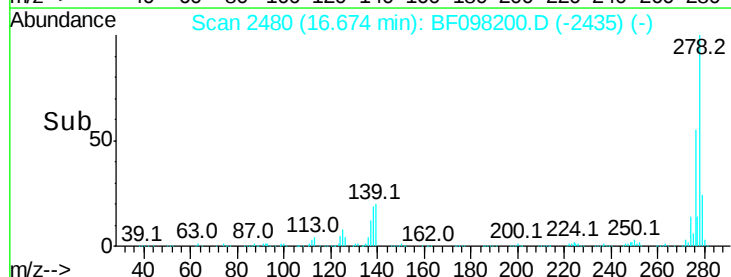
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 19.9  | 16.6  | 24.8  |
| 279 | 24.1  | 19.3  | 28.9  |



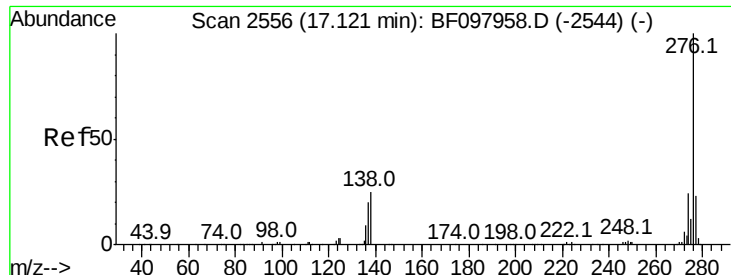
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 16.60 16.70 16.80



#91

Benzo(a,h,i)perylene

Concen: 44.092 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.04 min

Lab File: BF098200.D

Acq: 31 Aug 2017 17:52

Instrument :

BNA\_F

ClientSampleId :

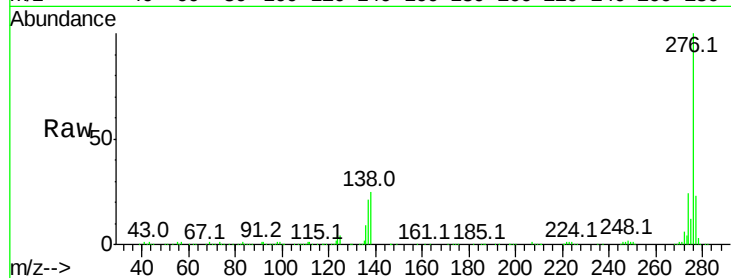
Tot Ion:276 Resp: 529452

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 25.3 25.4 38.0#



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

