

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
 Data File : BF100790.D  
 Acq On : 21 Nov 2017 19:40  
 Operator : SJ/JU  
 Sample : I6499-02MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 22 04:15:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 87248    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 335149   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.91  | 164  | 148107   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.40 | 188  | 262370   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 165725   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.51 | 264  | 199487   | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.50  | 112 | 582596 | 107.04 | ng | 0.01  |
| 7) Phenol-d6                | 6.51  | 99  | 698150 | 104.02 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.44  | 82  | 438907 | 86.58  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330 | 173929 | 115.25 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.23  | 172 | 879899 | 90.46  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.98 | 244 | 641929 | 89.00  | ng | 0.00  |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.72 | 88  | 82436  | 31.08 | ng | 94     |
| 3) Pyridine                    | 3.49 | 79  | 223319 | 30.86 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.45 | 42  | 112527 | 32.03 | ng | 98     |
| 6) Aniline                     | 6.54 | 93  | 90618  | 9.56  | ng | 98     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 235359 | 40.88 | ng | 96     |
| 9) Benzaldehyde                | 6.43 | 77  | 85582  | 17.86 | ng | 94     |
| 10) Phenol                     | 6.52 | 94  | 299728 | 42.54 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 216609 | 36.60 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 270220 | 40.70 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 270761 | 40.30 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 252630 | 40.67 | ng | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 197631 | 37.73 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 372898 | 39.40 | ng | 98     |
| 17) 2-Methylphenol             | 7.13 | 107 | 196845 | 40.00 | ng | 98     |
| 18) Hexachloroethane           | 7.39 | 117 | 85049  | 38.39 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 157561 | 33.85 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 239886 | 38.53 | ng | # 70   |
| 22) Acetophenone               | 7.29 | 105 | 312407 | 38.23 | ng | # 97   |
| 24) Nitrobenzene               | 7.46 | 77  | 236131 | 45.26 | ng | 100    |
| 25) Isophorone                 | 7.70 | 82  | 426260 | 40.01 | ng | 97     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 127799 | 51.77 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 212540 | 44.51 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 272496 | 39.11 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 202252 | 44.36 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 215687 | 43.74 | ng | 95     |
| 31) Naphthalene                | 8.18 | 128 | 671617 | 41.61 | ng | 100    |
| 32) Benzoic acid               | 7.89 | 122 | 25205  | 14.92 | ng | 98     |
| 33) 4-Chloroaniline            | 8.22 | 127 | 30747  | 4.58  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 124568 | 42.49 | ng | 98     |
| 35) Caprolactam                | 8.60 | 113 | 42352  | 27.07 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 198801 | 40.60 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 453171 | 42.28 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 209515 | 42.65 | ng | # 95   |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 69722  | 30.16 | ng | 99     |

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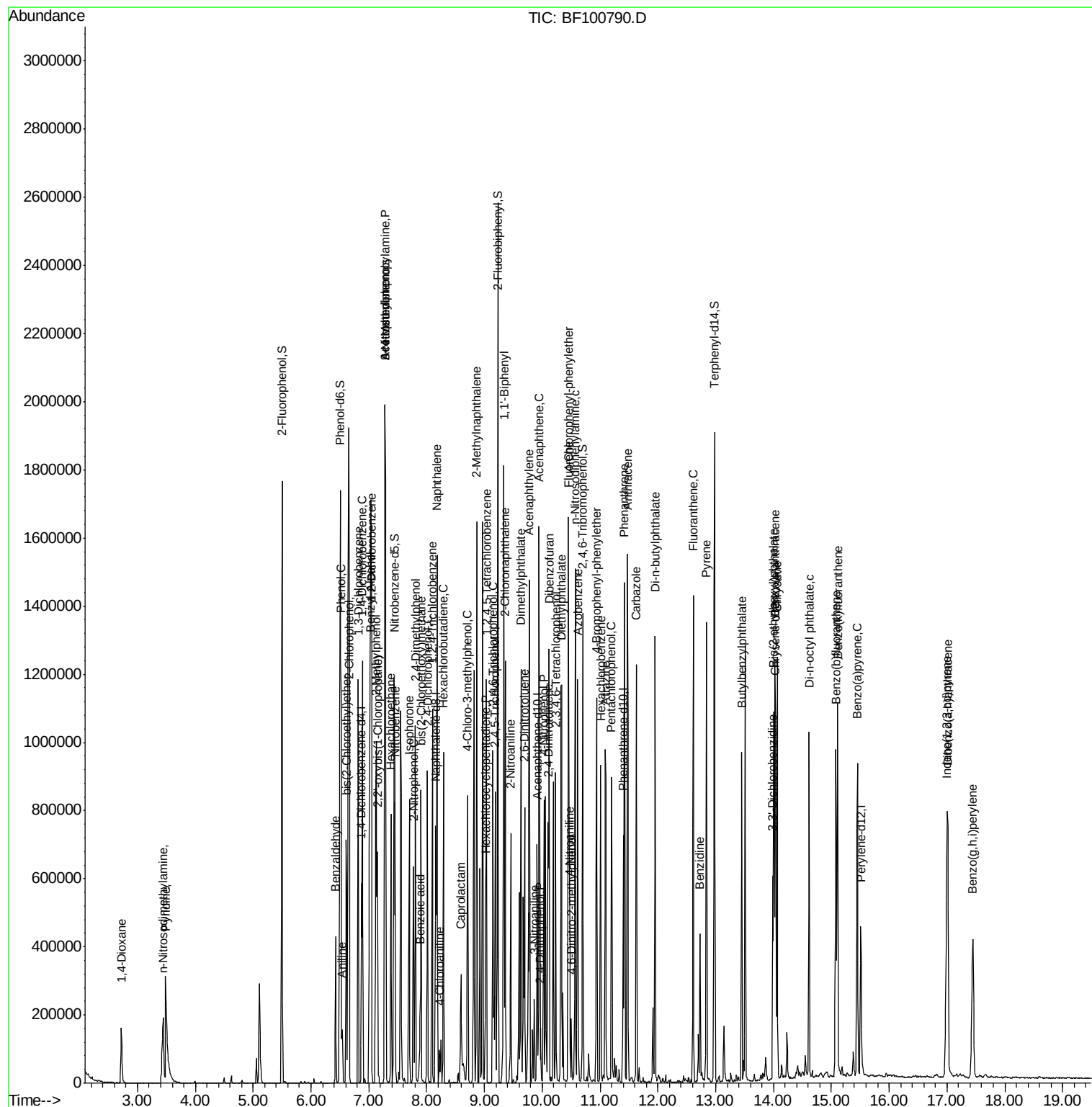
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 143174   | 45.99 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.19  | 196  | 148273   | 45.97 | nq    | # 88     |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 543190   | 42.40 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 419559   | 45.15 | nq    | 95       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 120889   | 44.26 | nq    | 95       |
| 48) Acenaphthylene             | 9.77  | 152  | 644074   | 41.82 | nq    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 537868   | 47.56 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 106359   | 47.52 | nq    | 87       |
| 51) Acenaphthene               | 9.95  | 154  | 376567   | 40.20 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 37869    | 14.33 | nq    | 94       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 20863    | 32.79 | nq    | # 18     |
| 54) Dibenzofuran               | 10.12 | 168  | 551027   | 41.97 | nq    | 96       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 145638   | 67.86 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 138727   | 49.13 | nq    | # 81     |
| 57) Fluorene                   | 10.46 | 166  | 419129   | 43.58 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 113618   | 42.98 | nq    | # 85     |
| 59) Diethylphthalate           | 10.33 | 149  | 466769   | 41.25 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 209305   | 44.37 | nq    | 91       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 88153    | 35.17 | nq    | 84       |
| 62) Azobenzene                 | 10.61 | 77   | 403761   | 37.88 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198  | 25515    | 24.39 | nq    | # 74     |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 399016   | 43.74 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 132849   | 47.23 | nq    | # 89     |
| 67) Hexachlorobenzene          | 11.01 | 284  | 132308   | 44.98 | nq    | # 84     |
| 68) Atrazine                   | 11.10 | 200  | 123776   | 44.82 | nq    | 96       |
| 69) Pentachlorophenol          | 11.20 | 266  | 118921   | 56.38 | nq    | 99       |
| 70) Phenanthrene               | 11.42 | 178  | 593026   | 42.93 | nq    | 99       |
| 71) Anthracene                 | 11.47 | 178  | 596791   | 42.58 | nq    | 99       |
| 72) Carbazole                  | 11.63 | 167  | 494282   | 38.22 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 690453   | 45.62 | nq    | 98       |
| 74) Fluoranthene               | 12.61 | 202  | 570260   | 38.95 | nq    | 97       |
| 76) Benzidine                  | 12.73 | 184  | 175898   | 26.50 | nq    | 97       |
| 77) Pyrene                     | 12.84 | 202  | 560573   | 47.45 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 215552   | 44.74 | nq    | 91       |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 473695   | 47.46 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 118276   | 33.08 | nq    | 97       |
| 82) Chrysene                   | 14.06 | 228  | 448890   | 46.45 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 288325   | 45.50 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.62 | 149  | 485897   | 44.64 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 474231   | 60.67 | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 15.08 | 252  | 504340   | 42.67 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.11 | 252  | 466115   | 41.74 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 481860   | 45.99 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.02 | 278  | 379202   | 44.25 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.45 | 276  | 369385   | 44.04 | nq    | 94       |
| -----                          |       |      |          |       |       |          |

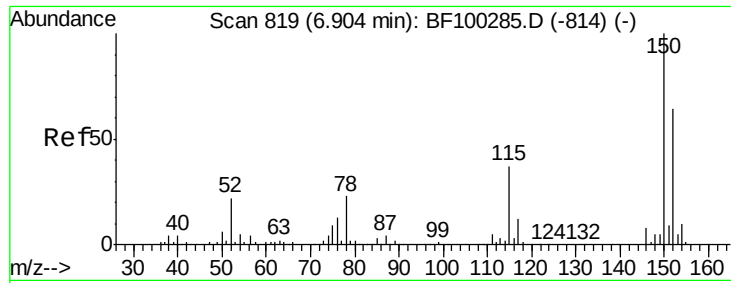
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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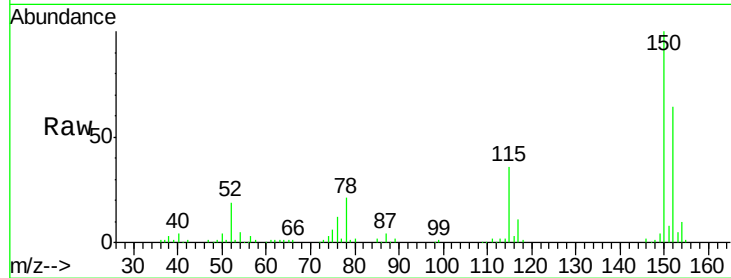


#1

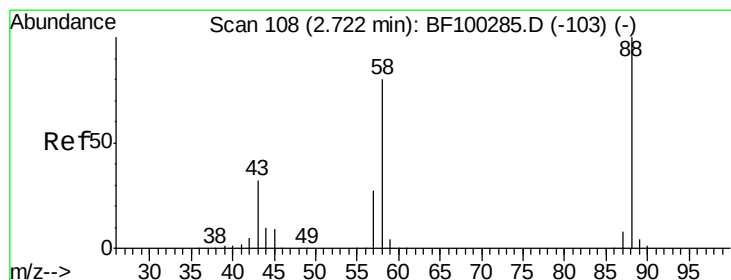
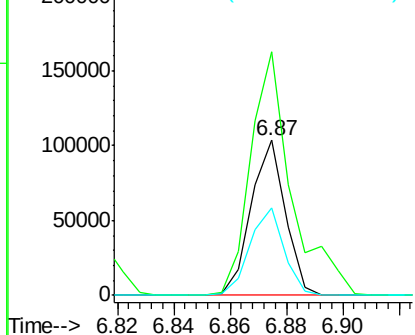
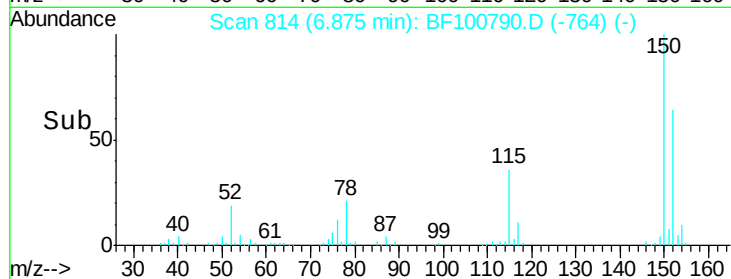
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 87248  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.6 186.8  
115 56.6 50.1 75.1



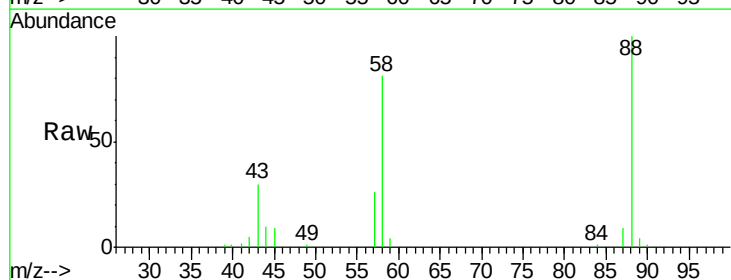
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



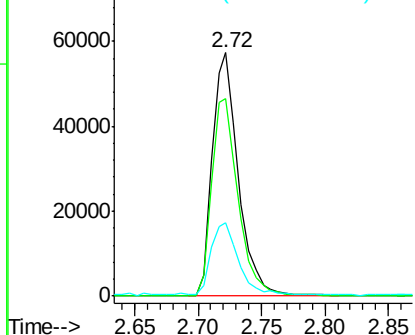
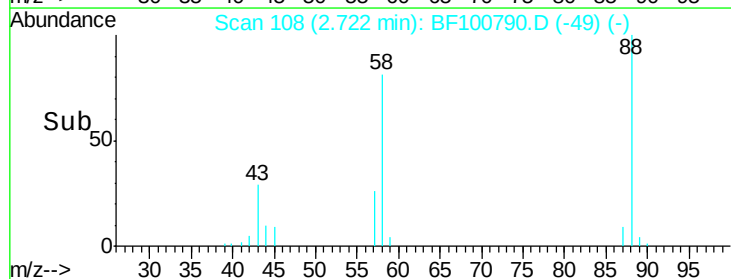
#2

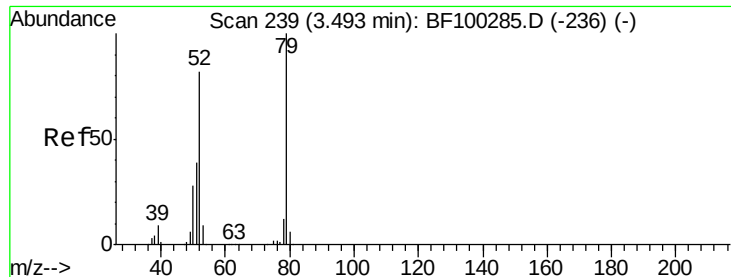
1,4-Dioxane  
Concen: 31.08 ng  
RT: 2.72 min Scan# 108  
Delta R.T. 0.05 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 88 Resp: 82436  
Ion Ratio Lower Upper  
88 100  
58 82.8 62.6 93.8  
43 34.1 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 30.86 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.04 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampled :

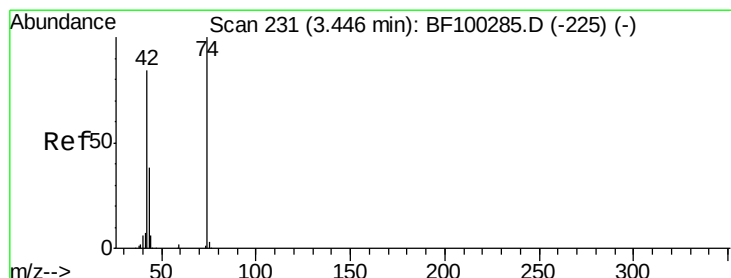
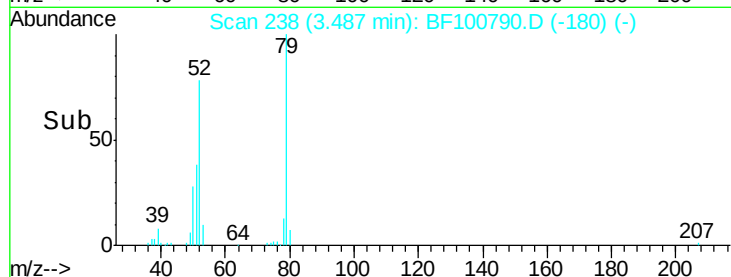
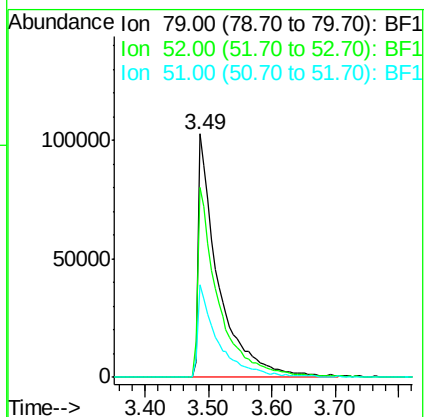
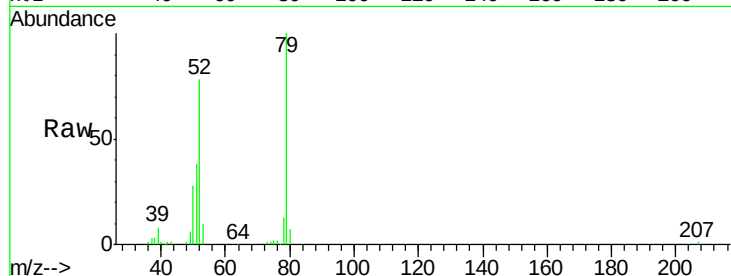
Tot Ion: 79 Resp: 223319

Ion Ratio Lower Upper

79 100

52 78.1 59.8 89.6

51 38.2 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 32.03 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.04 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

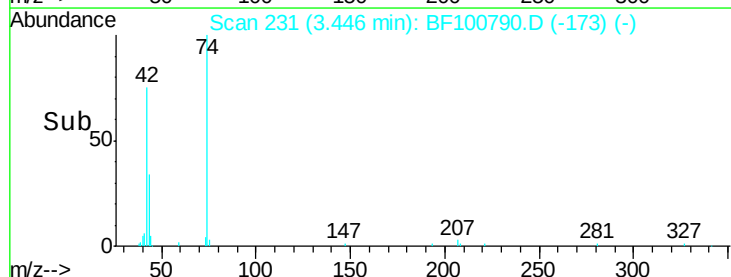
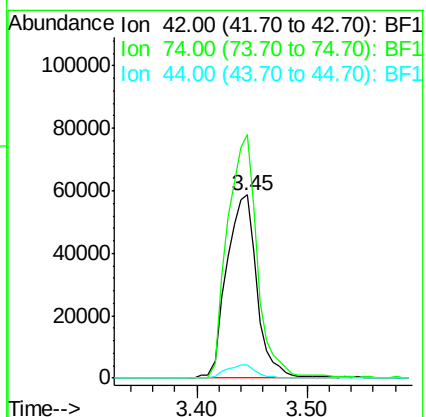
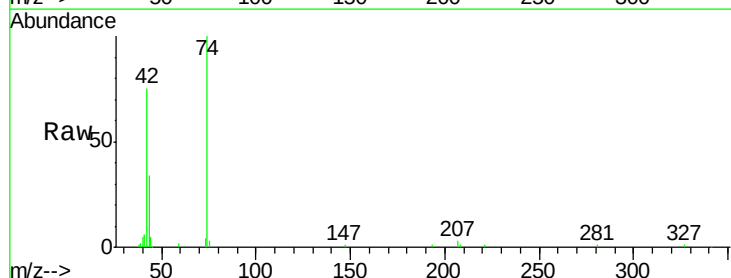
Tgt Ion: 42 Resp: 112527

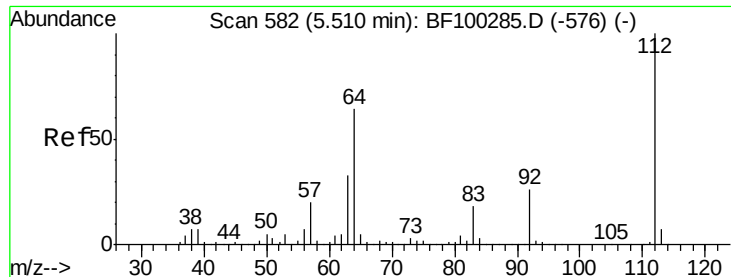
Ion Ratio Lower Upper

42 100

74 132.8 104.9 157.3

44 7.0 6.9 10.3





#5

2-Fluorophenol

Concen: 107.04 ng

RT: 5.50 min Scan# 581

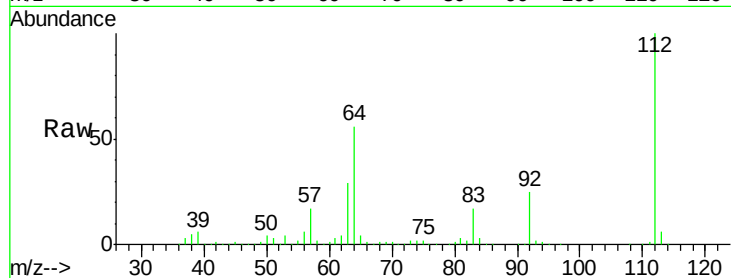
Delta R.T. 0.01 min

Lab File: BF100790.D

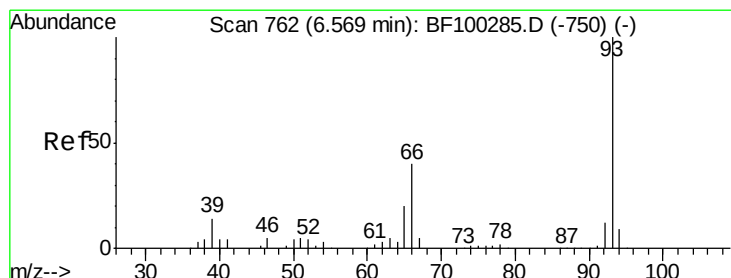
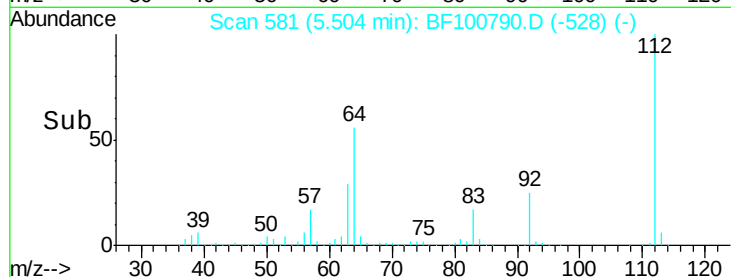
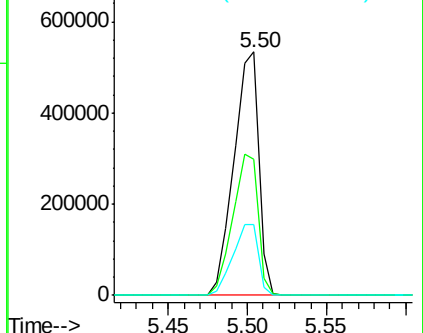
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 582596 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 55.8  | 47.9  | 71.9   |
| 63       | 29.2  | 23.7  | 35.5   |



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.56 ng

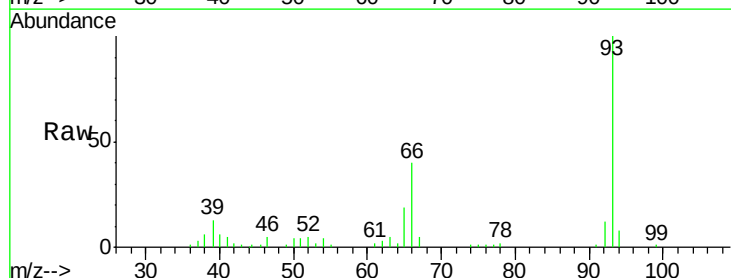
RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

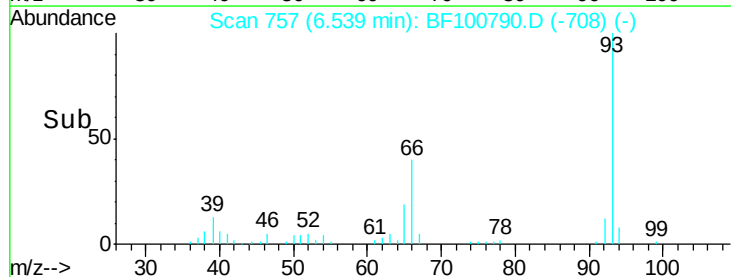
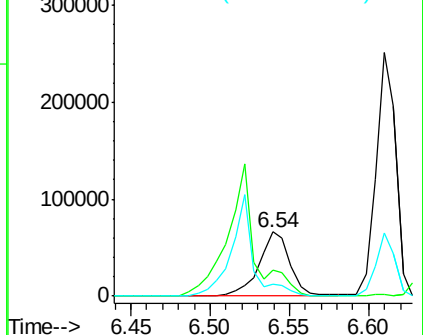
Lab File: BF100790.D

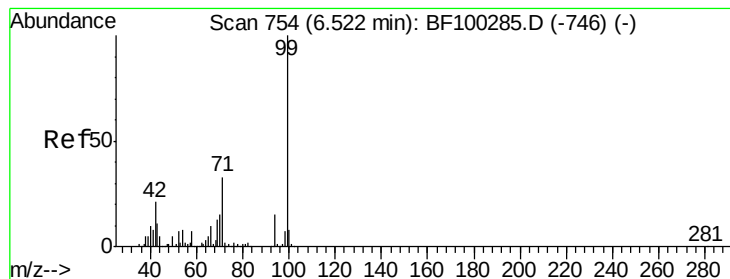
Acq: 21 Nov 2017 19:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 90618 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 40.4  | 32.2  | 48.2  |
| 65       | 18.7  | 16.4  | 24.6  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 104.02 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

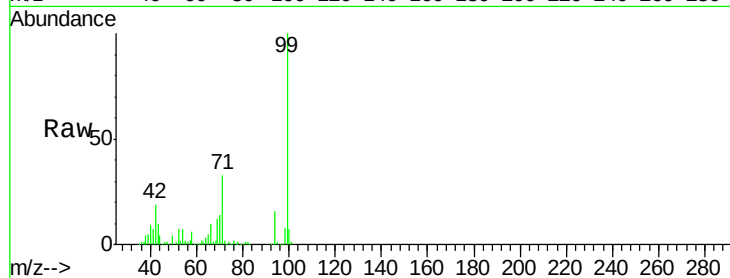
Tot Ion: 99 Resp: 698150

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

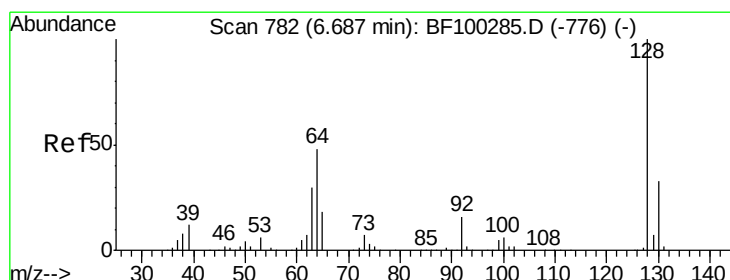
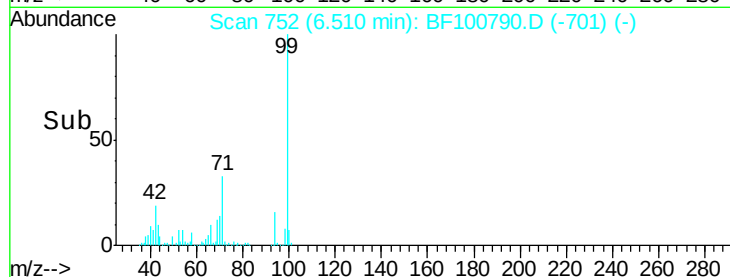
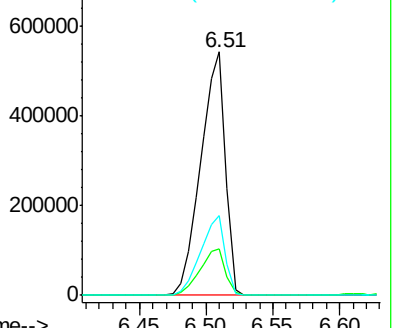
71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.88 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

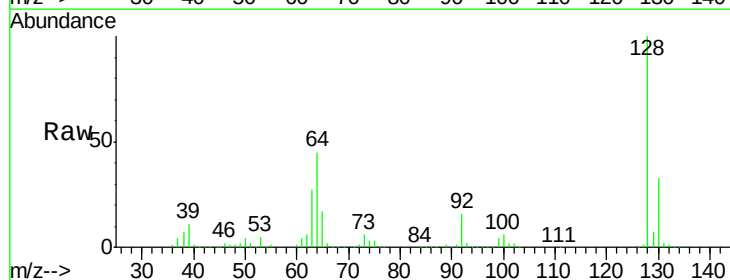
Tgt Ion: 128 Resp: 235359

Ion Ratio Lower Upper

128 100

130 32.6 13.0 53.0

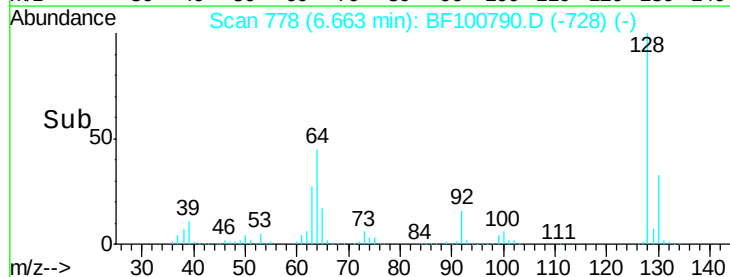
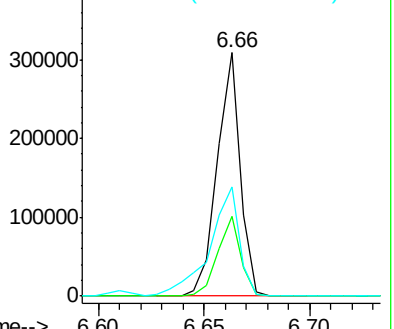
64 44.7 29.4 69.4

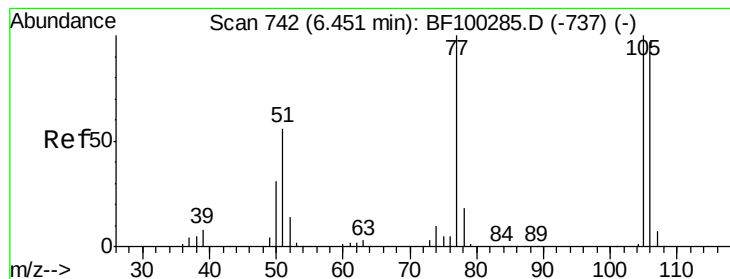


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.86 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

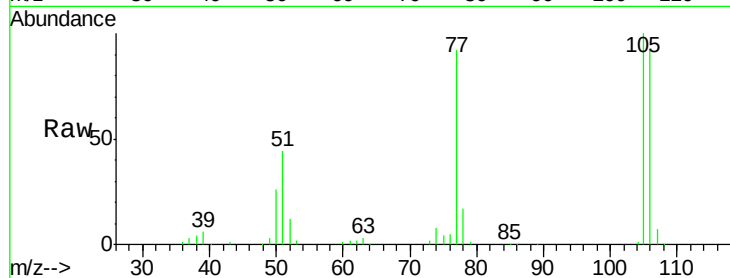
Tot Ion: 77 Resp: 85582

Ion Ratio Lower Upper

77 100

105 108.2 81.1 121.1

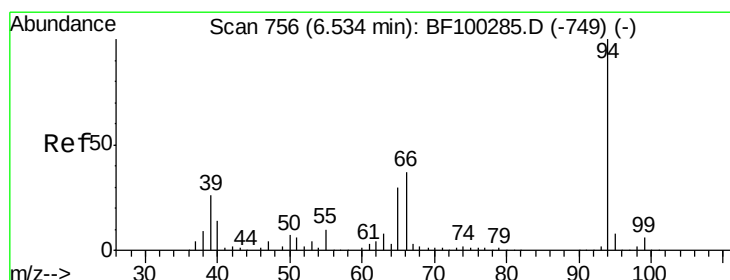
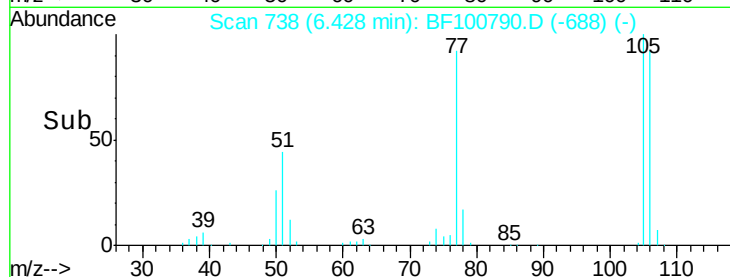
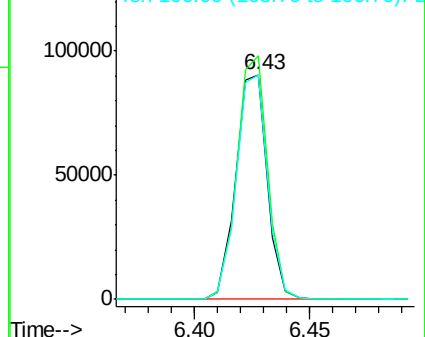
106 99.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.54 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

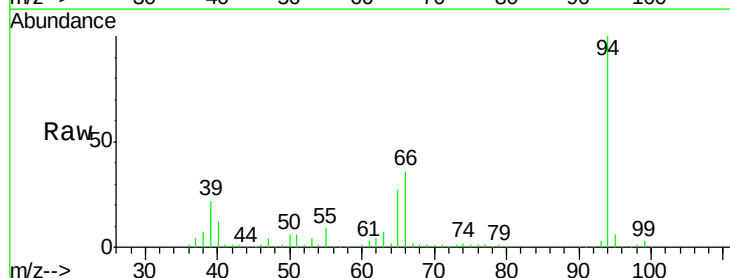
Tgt Ion: 94 Resp: 299728

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

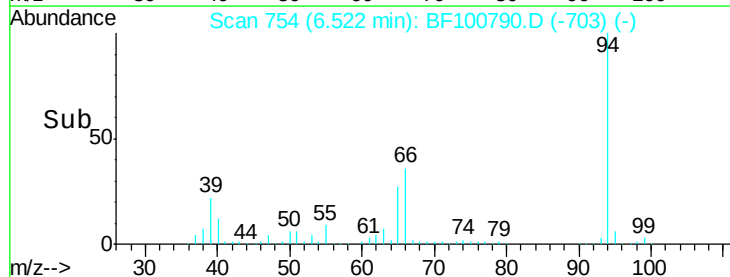
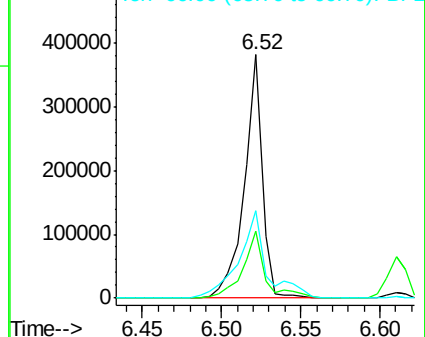
66 35.8 16.2 56.2



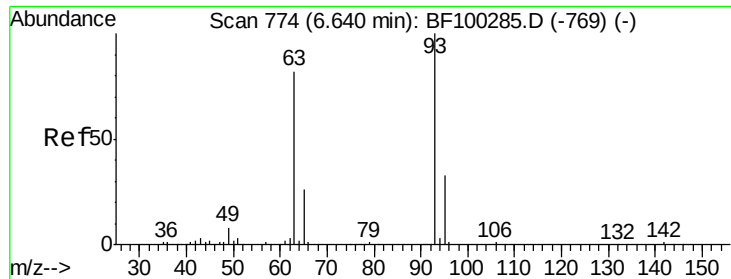
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



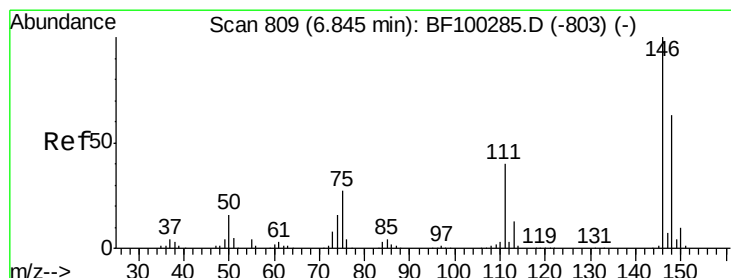
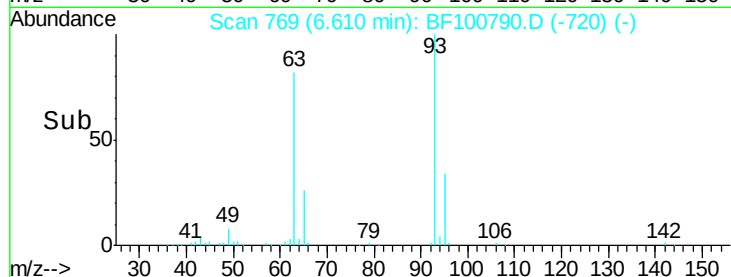
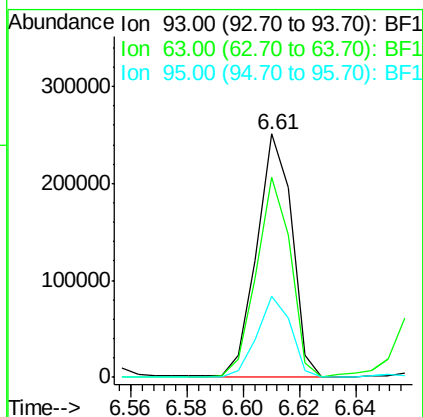
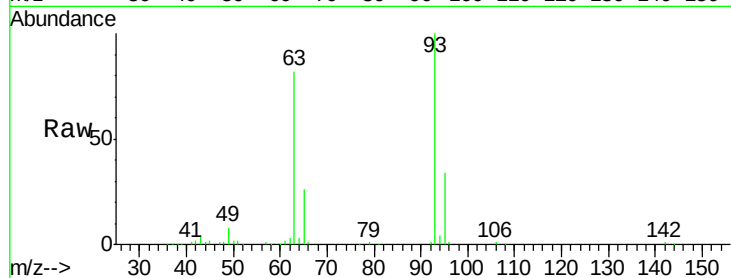




#11  
bis(2-Chloroethyl)ether  
Concen: 36.60 ng  
RT: 6.61 min Scan# 769  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

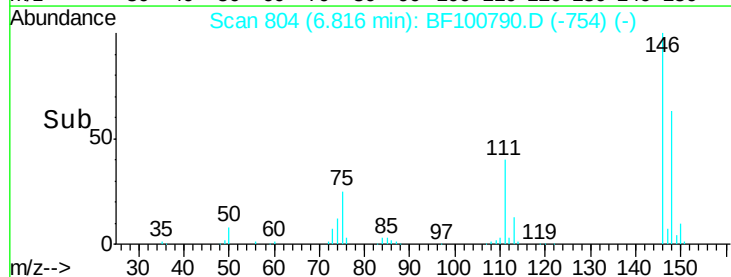
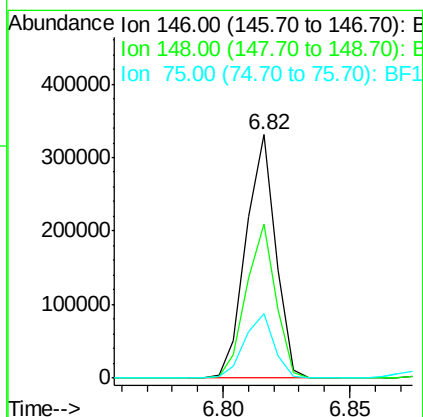
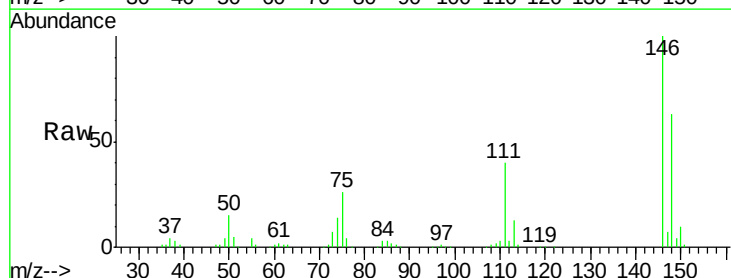
Instrument :  
BNA\_F  
ClientSampleId :

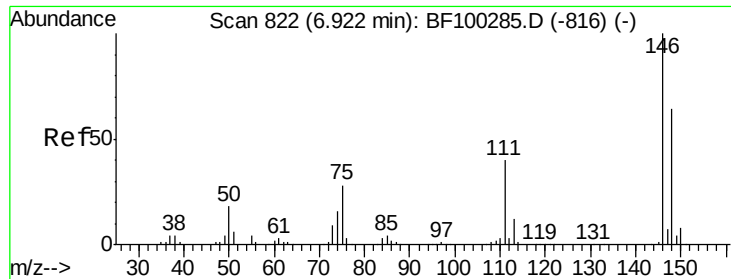
Tot Ion: 93 Resp: 216609  
Ion Ratio Lower Upper  
93 100  
63 82.3 58.6 98.6  
95 33.5 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 40.70 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 146 Resp: 270220  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.8 77.8  
75 26.4 24.2 36.4

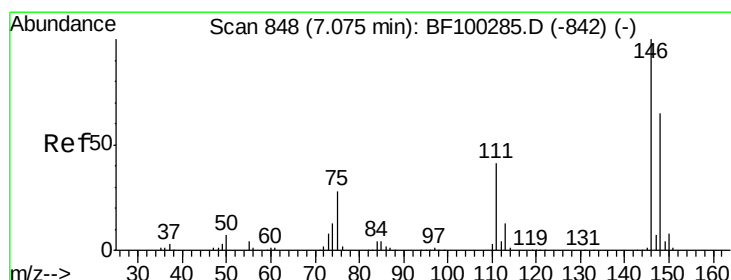
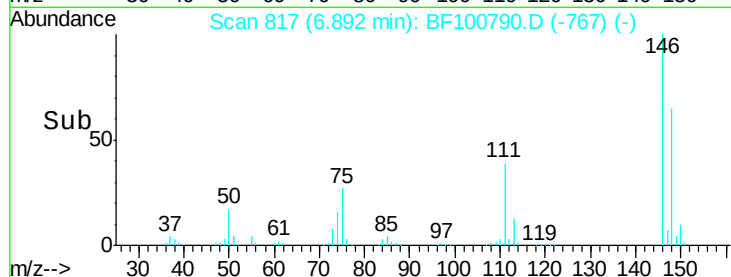
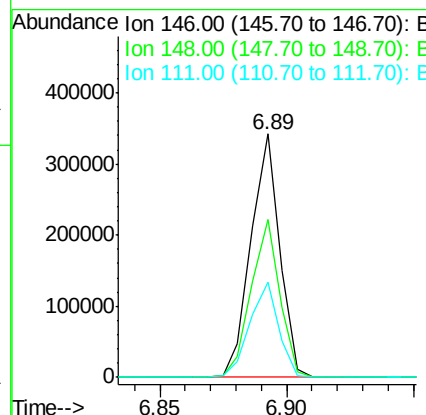
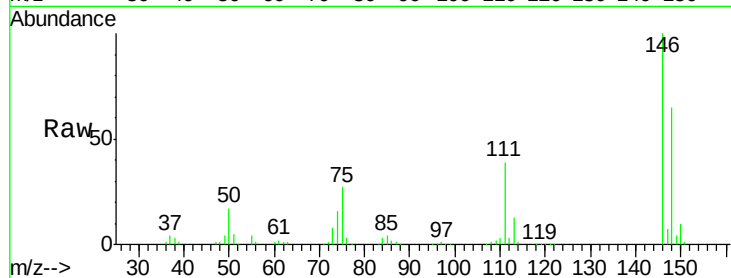




#13  
 1,4-Dichlorobenzene  
 Concen: 40.30 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

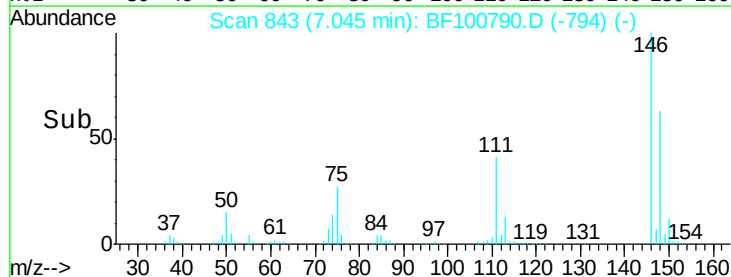
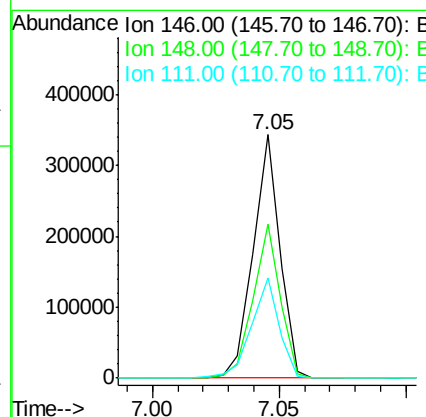
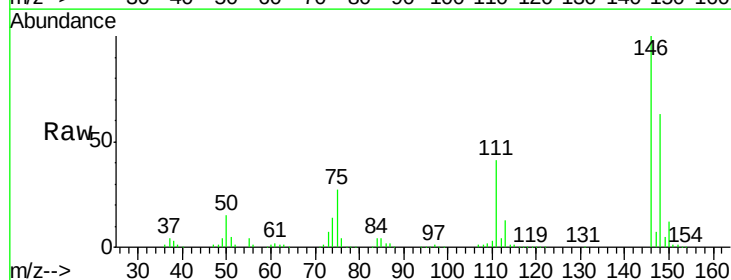
Instrument :  
 BNA\_F  
 ClientSampled :

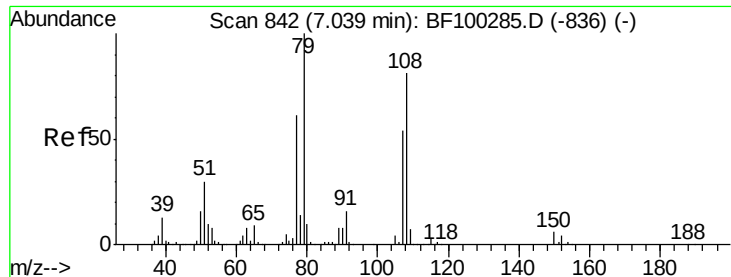
Tot Ion:146 Resp: 270761  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 50.8 76.2  
 111 39.1 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 40.67 ng  
 RT: 7.05 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Tgt Ion:146 Resp: 252630  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 50.6 75.8  
 111 41.3 36.0 54.0





#15

Benzyl Alcohol

Concen: 37.73 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

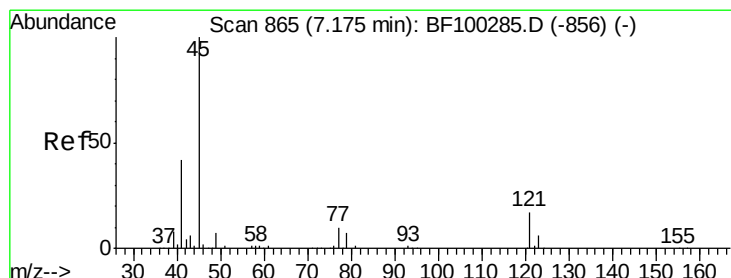
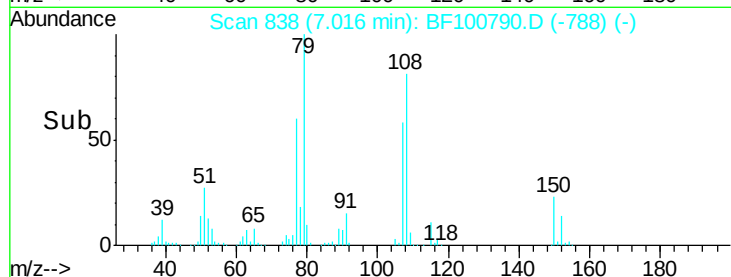
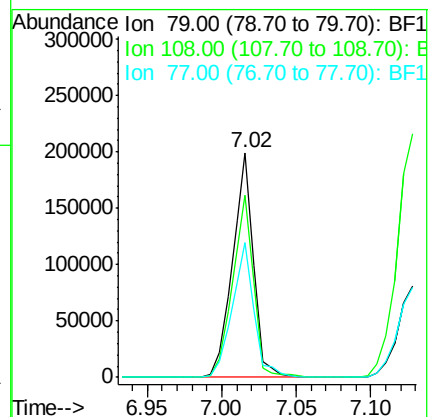
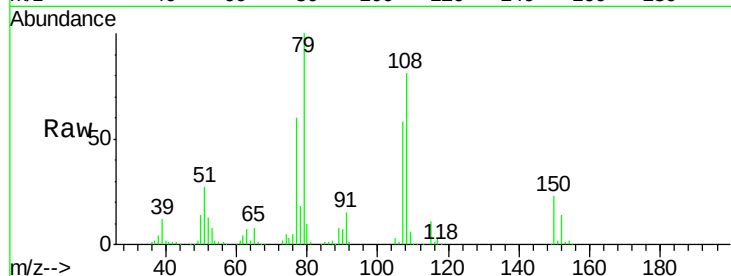
Tot Ion: 79 Resp: 197631

Ion Ratio Lower Upper

79 100

108 81.0 65.1 97.7

77 59.8 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.40 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

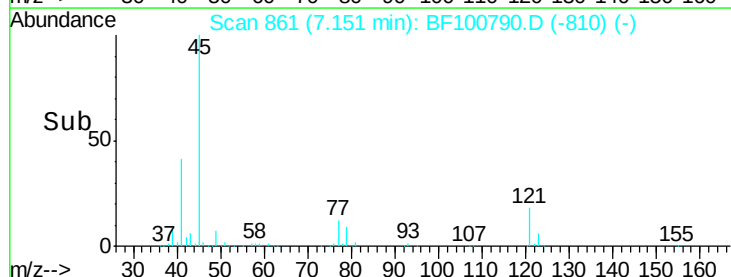
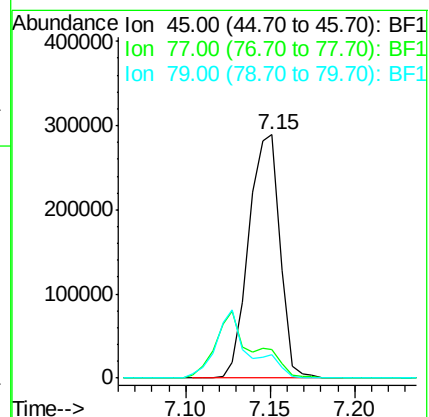
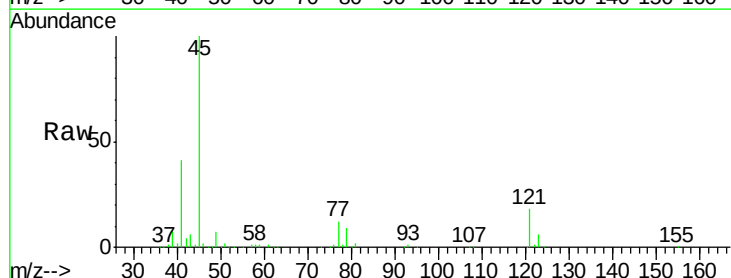
Tgt Ion: 45 Resp: 372898

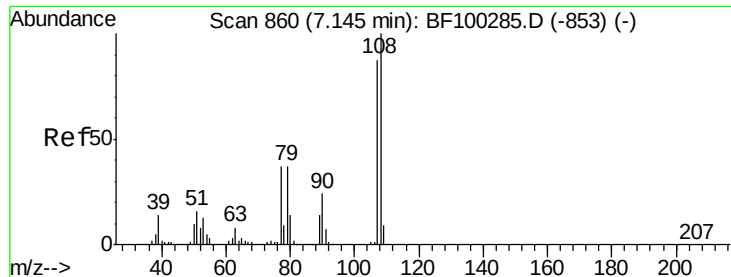
Ion Ratio Lower Upper

45 100

77 11.8 0.0 32.9

79 9.5 0.0 29.6

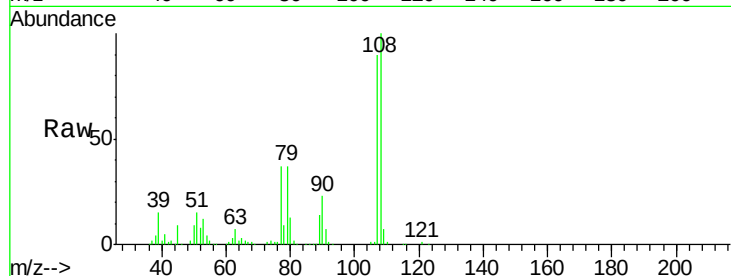




#17  
2-Methylphenol  
Concen: 40.00 ng  
RT: 7.13 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.3 | 91.7  | 137.5 |
| 77      | 41.3  | 33.8  | 50.8  |
| 79      | 41.6  | 33.8  | 50.8  |



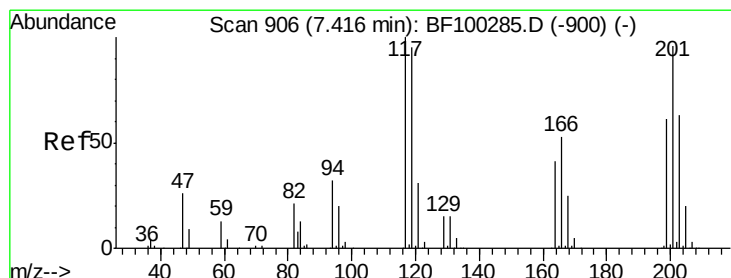
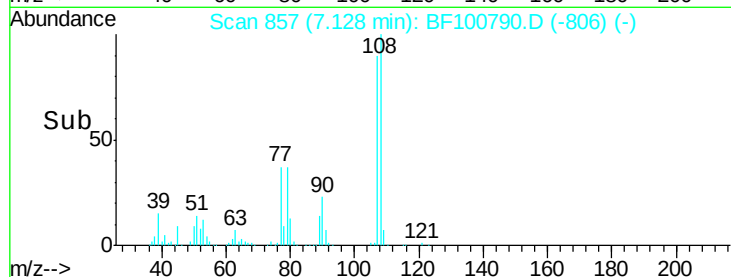
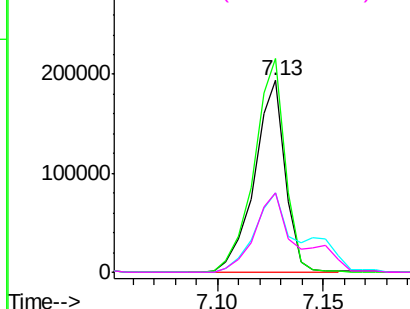
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

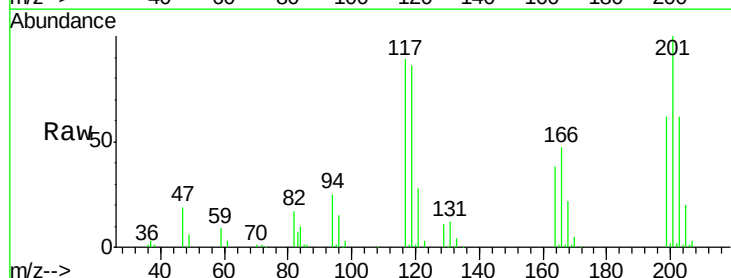
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 38.39 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.6  | 75.8  | 113.8 |
| 201     | 112.1 | 75.7  | 113.5 |

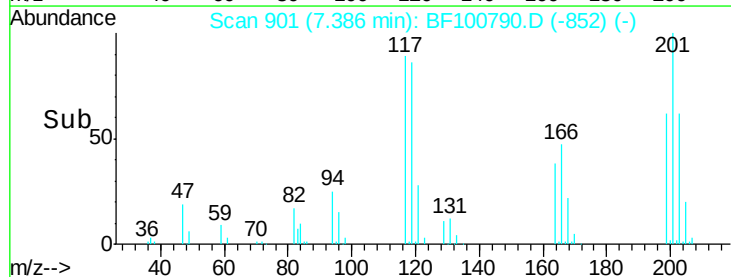
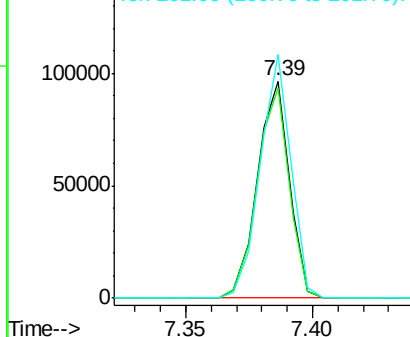


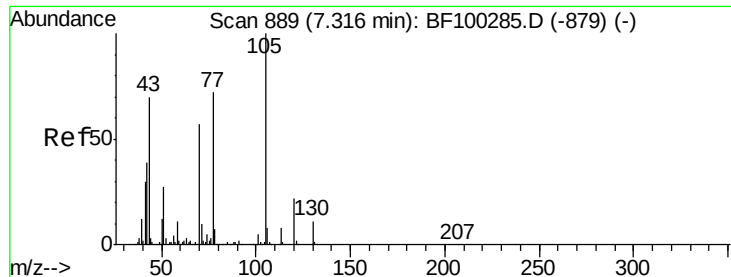
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

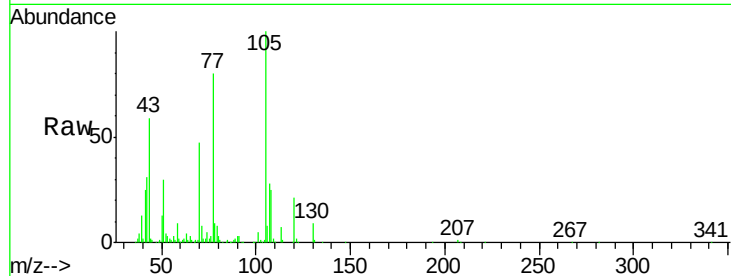




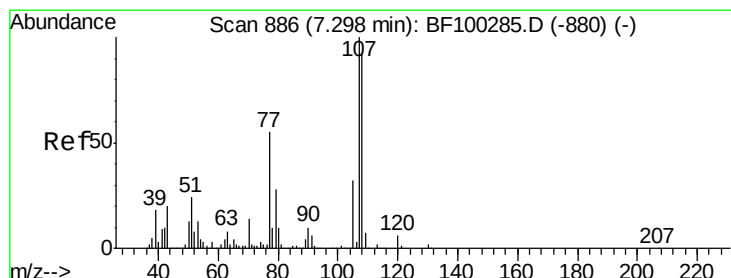
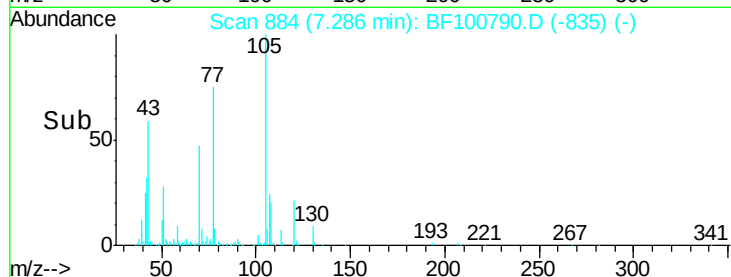
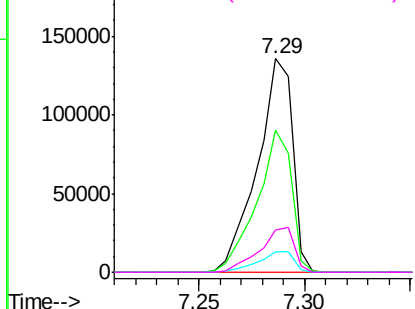
#19  
n-Nitroso-di-n-propylamine  
Concen: 33.85 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 157561  
Ion Ratio Lower Upper  
70 100  
42 66.7 47.5 71.3  
101 9.6 7.4 11.2  
130 19.6 16.6 25.0

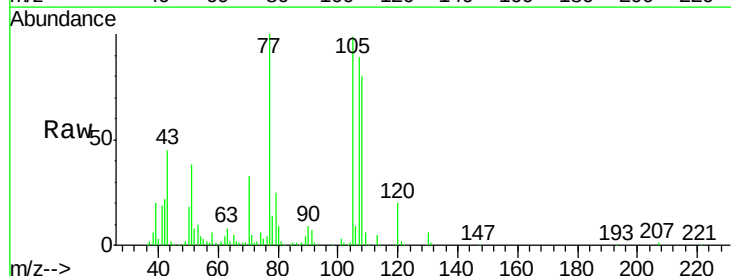


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

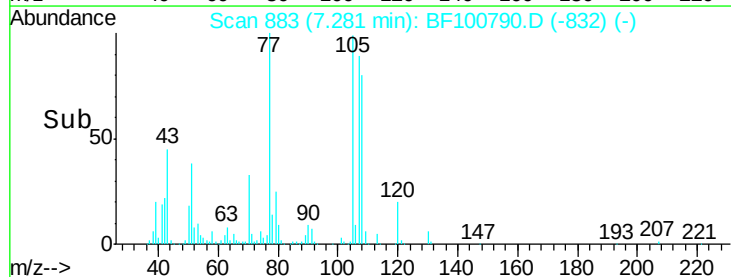
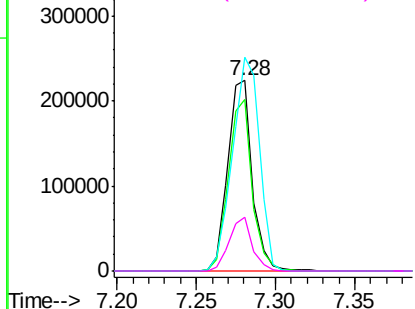


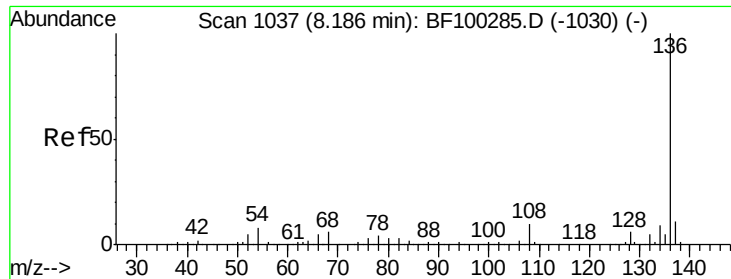
#20  
3+4-Methylphenols  
Concen: 38.53 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.00 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 107 Resp: 239886  
Ion Ratio Lower Upper  
107 100  
108 90.1 68.2 108.2  
77 112.0 26.7 66.7#  
79 28.4 6.3 46.3



Abundance Ion 107.00 (106.70 to 107.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

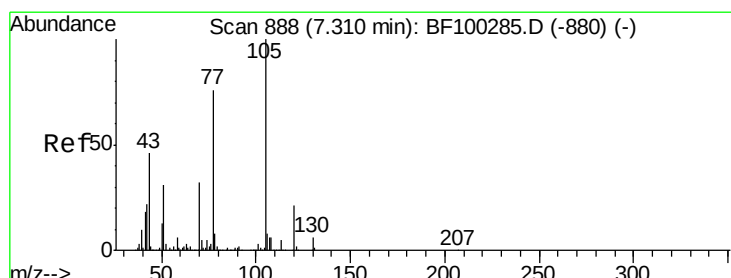
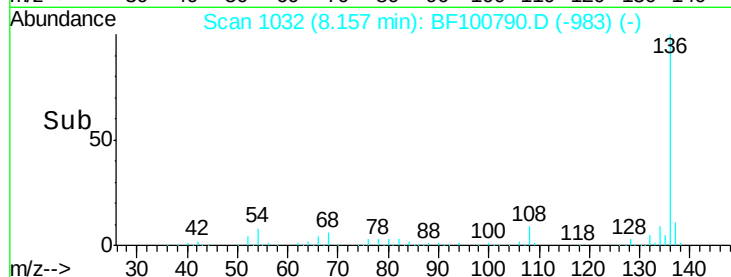
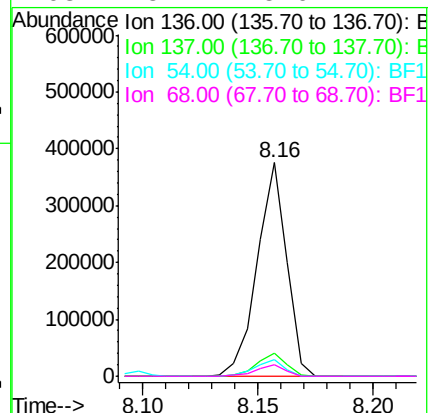
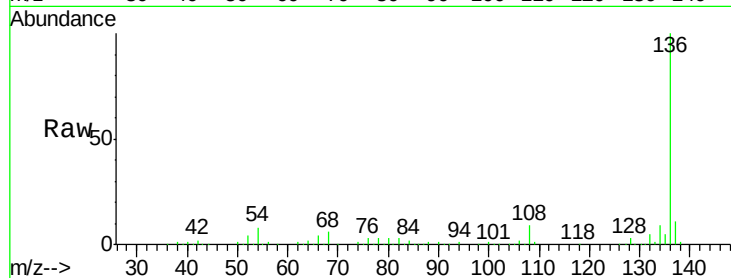




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

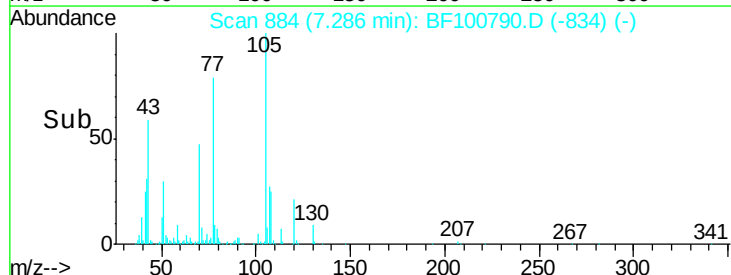
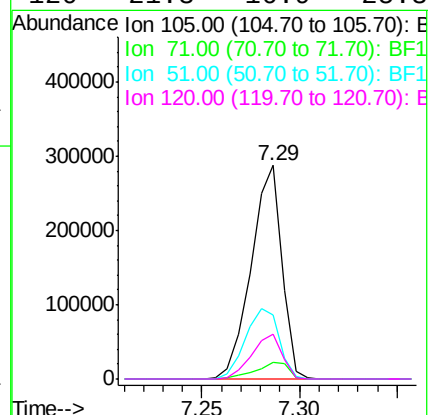
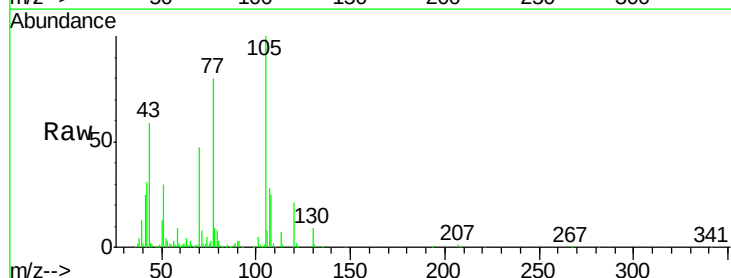
Instrument :  
BNA\_F  
ClientSampled :

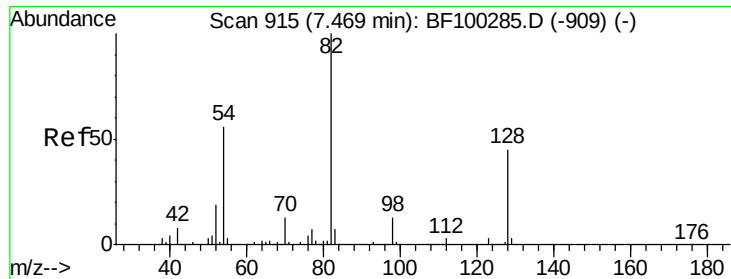
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 335149   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.9 13.3 |
| 54          | 7.8   | 6.6 9.8  |
| 68          | 5.7   | 5.0 7.4  |



#22  
Acetophenone  
Concen: 38.23 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 312407    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 8.0   | 4.4 6.6#  |
| 51          | 30.2  | 22.3 33.5 |
| 120         | 21.3  | 16.9 25.3 |

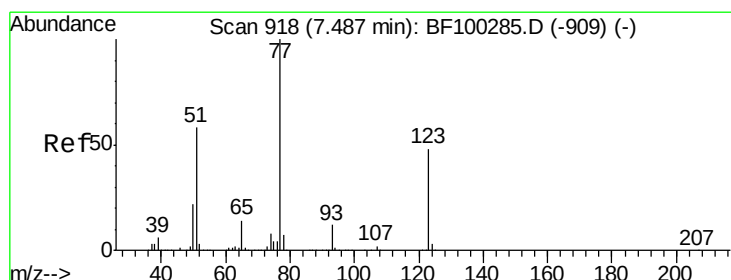
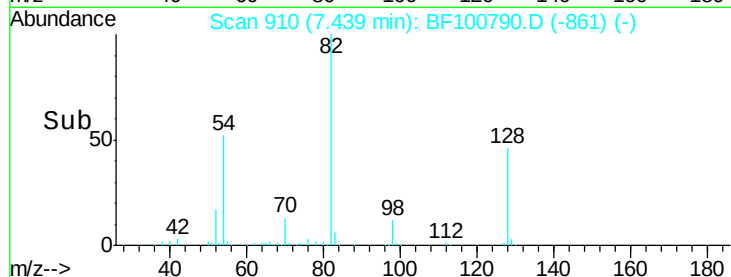
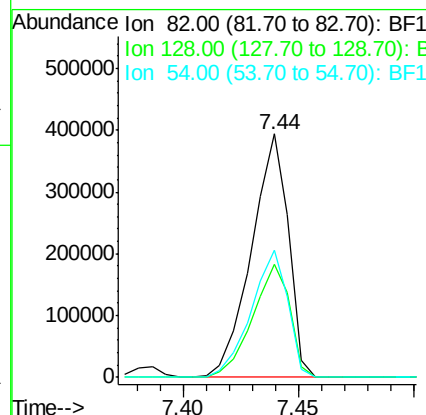
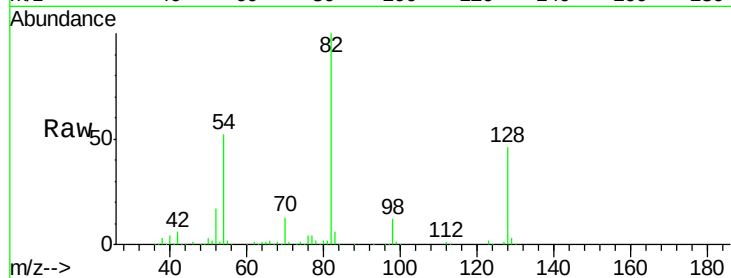




#23  
 Nitrobenzene-d5  
 Concen: 86.58 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

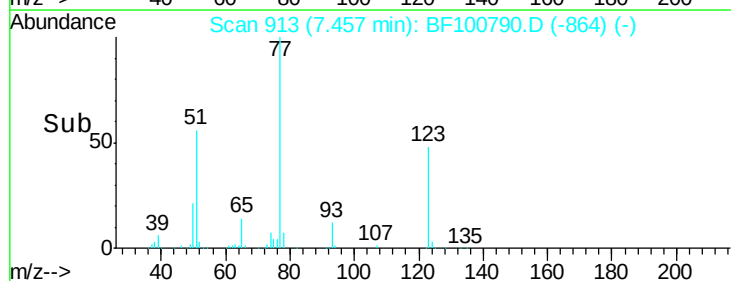
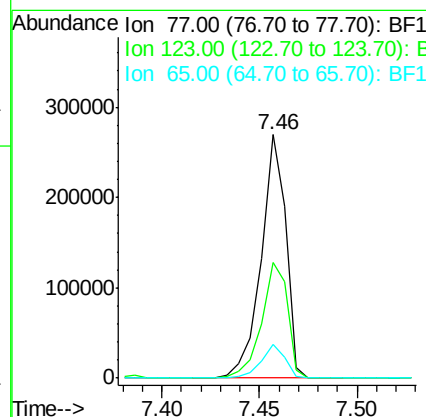
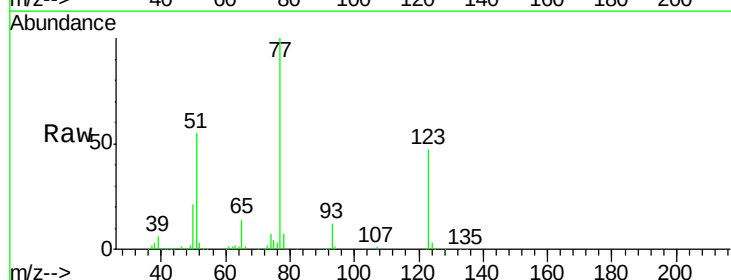
Instrument :  
 BNA\_F  
 ClientSampleId :

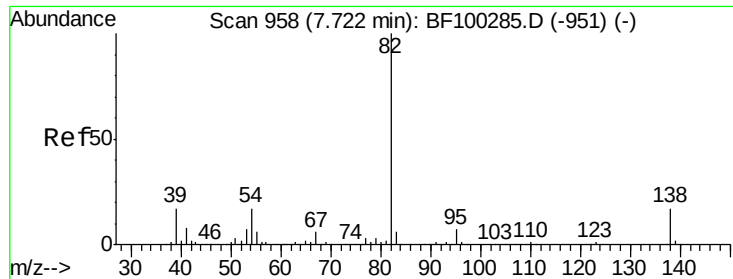
| Tot Ion   | 82    | Resp  | 438907 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.3  | 36.1  | 54.1   |
| 54        | 52.3  | 41.4  | 62.2   |



#24  
 Nitrobenzene  
 Concen: 45.26 ng  
 RT: 7.46 min Scan# 913  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion   | 77    | Resp  | 236131 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 47.4  | 37.9  | 56.9   |
| 65        | 13.9  | 11.0  | 16.4   |

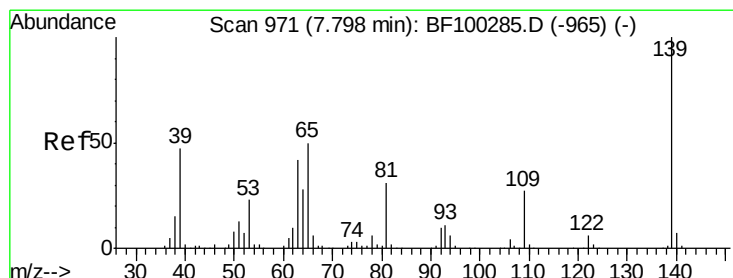
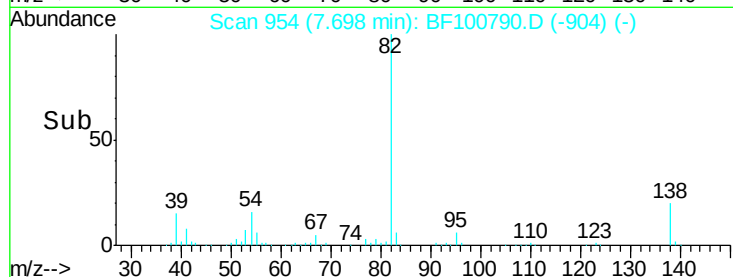
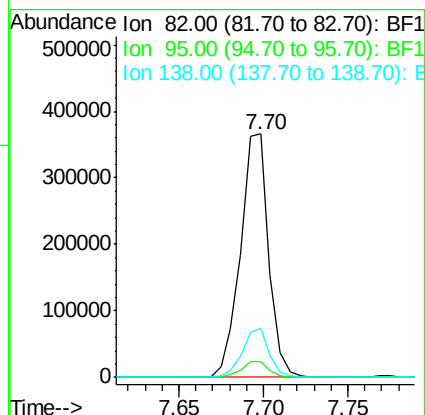
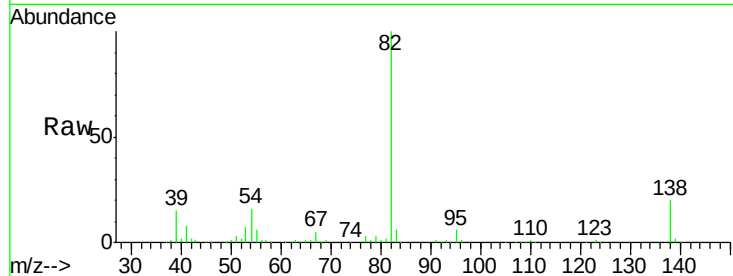




#25  
Isophorone  
Concen: 40.01 ng  
RT: 7.70 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

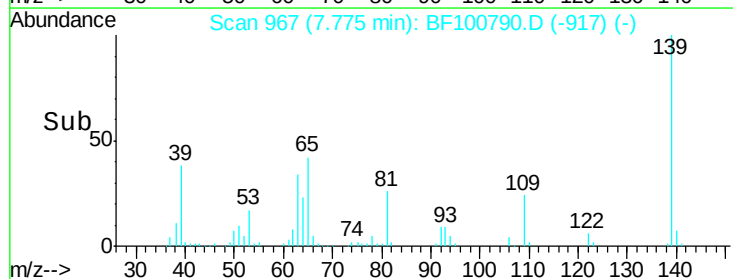
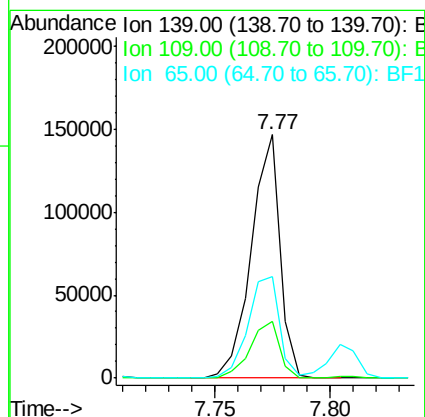
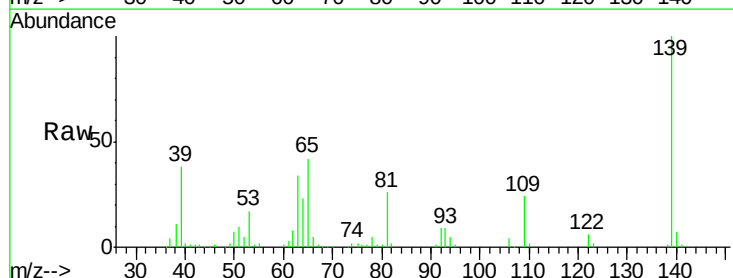
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 426260  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.2 7.8  
138 20.3 14.9 22.3

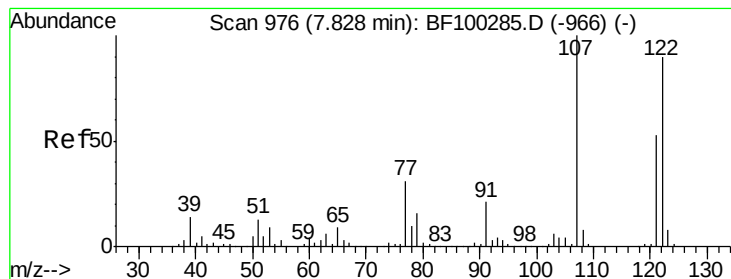


#26  
2-Nitrophenol  
Concen: 51.77 ng  
RT: 7.77 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 139 Resp: 127799  
Ion Ratio Lower Upper  
139 100  
109 23.5 22.7 34.1  
65 41.8 40.5 60.7



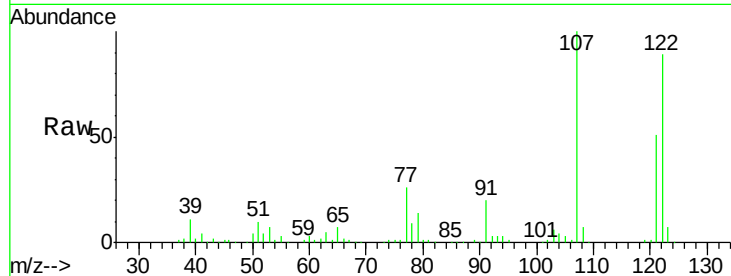




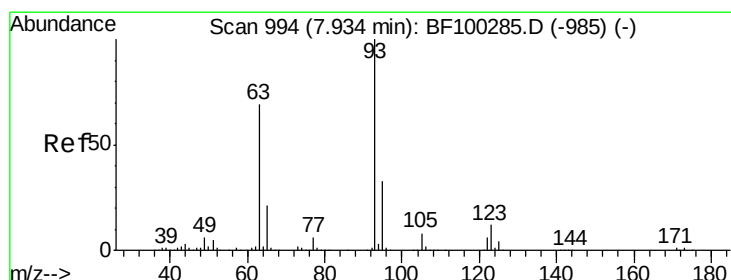
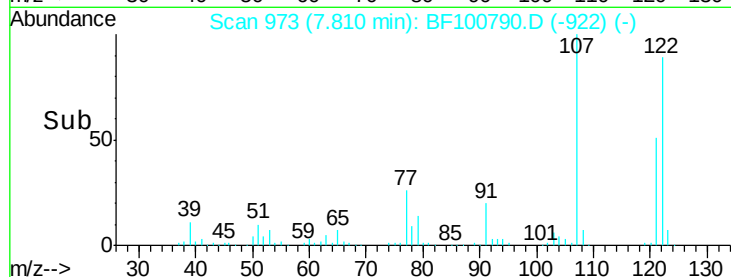
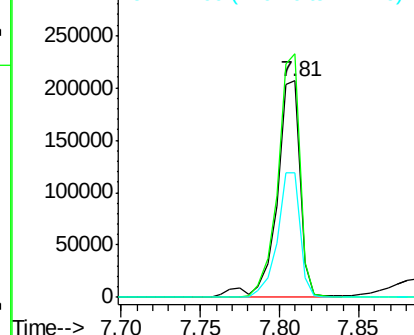
#27  
2,4-Dimethylphenol  
Concen: 44.51 ng  
RT: 7.81 min Scan# 973  
Delta R.T. -0.00 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:122 Resp: 212540  
Ion Ratio Lower Upper  
122 100  
107 112.6 91.2 136.8  
121 57.5 47.2 70.8

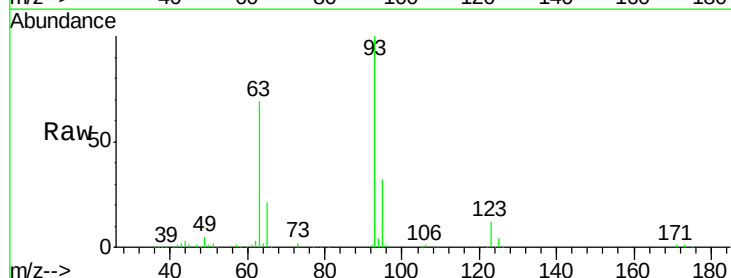


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

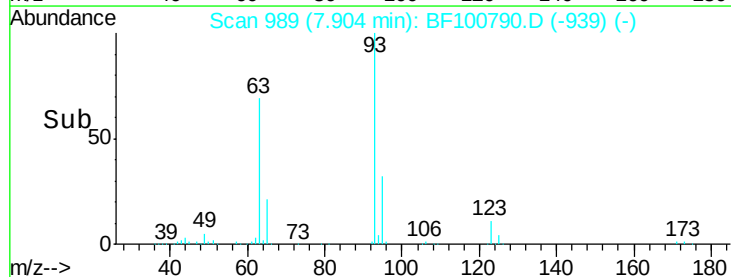
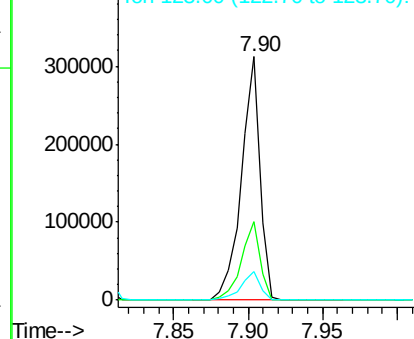


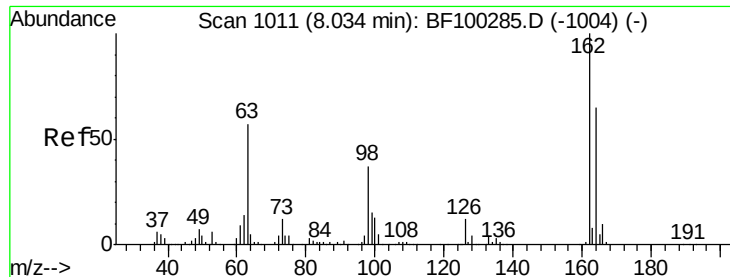
#28  
bis(2-Chloroethoxy)methane  
Concen: 39.11 ng  
RT: 7.90 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 93 Resp: 272496  
Ion Ratio Lower Upper  
93 100  
95 32.3 26.3 39.5  
123 11.5 9.8 14.6



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

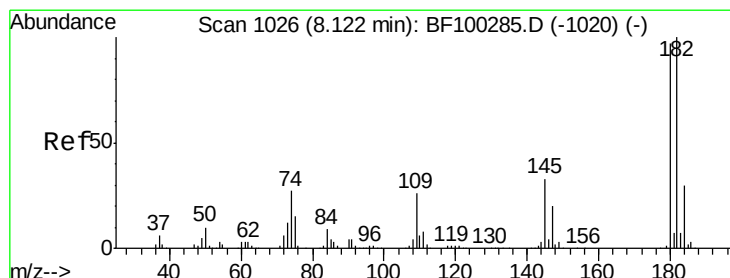
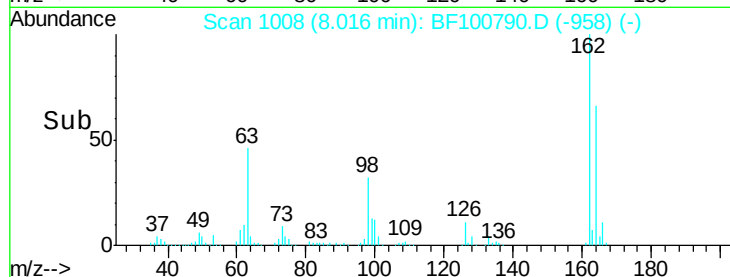
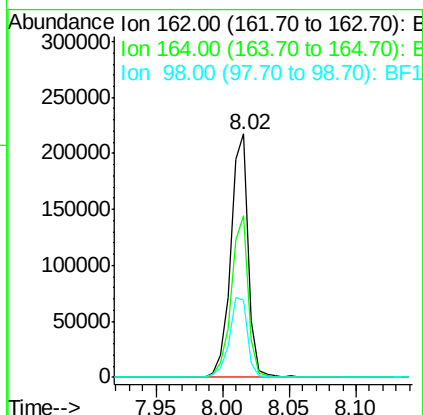
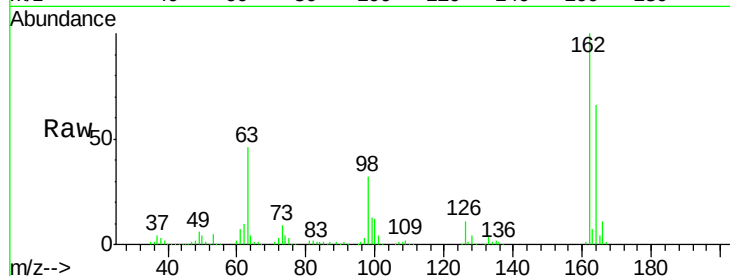




#29  
 2,4-Dichlorophenol  
 Concen: 44.36 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

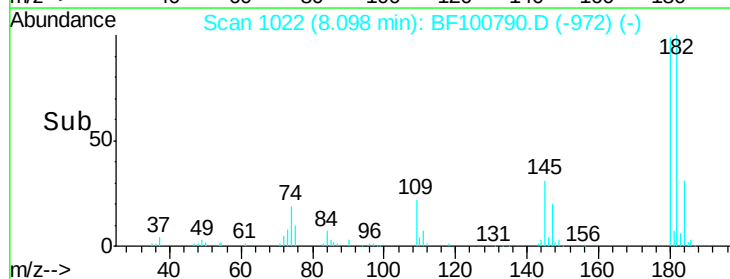
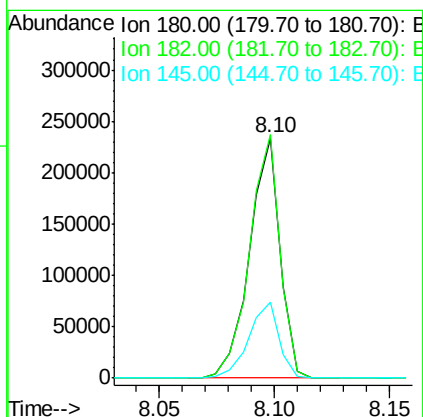
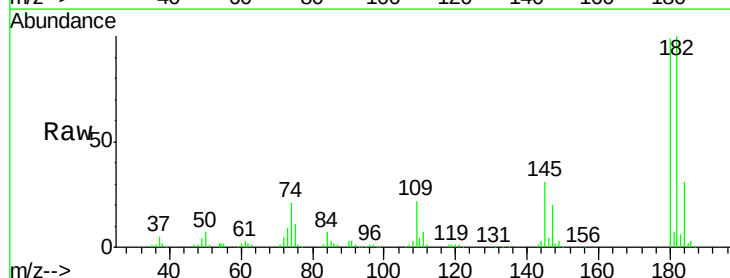
Instrument :  
 BNA\_F  
 ClientSampleID :

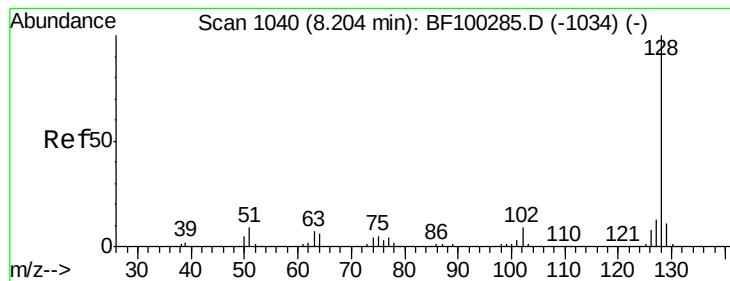
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.3  | 42.7  | 82.7  |
| 98      | 31.9  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.74 ng  
 RT: 8.10 min Scan# 1022  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 101.5 | 76.8  | 115.2 |
| 145     | 31.5  | 26.5  | 39.7  |





#31

Naphthalene

Concen: 41.61 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampled :

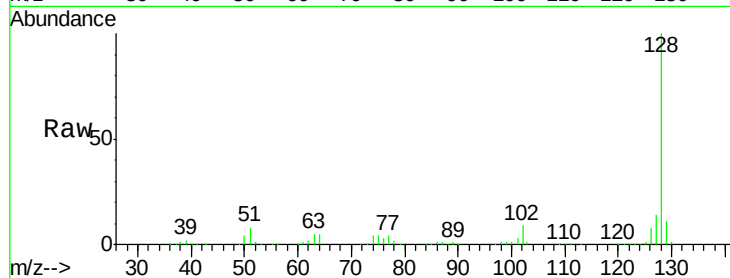
Tot Ion:128 Resp: 671617

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

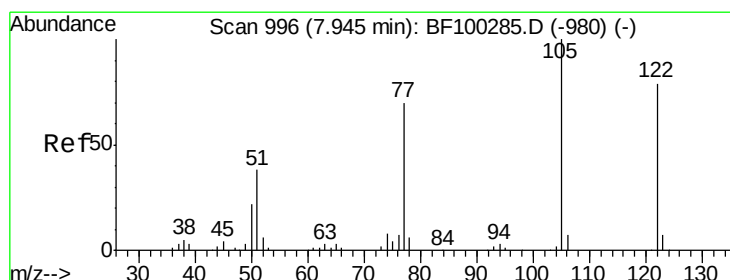
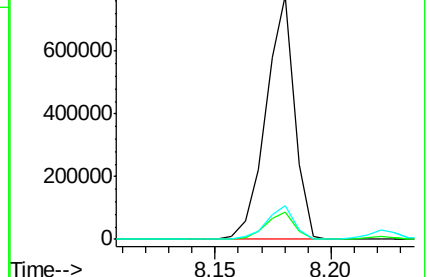
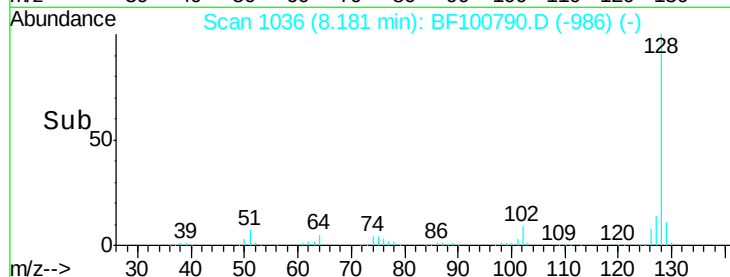
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.92 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.05 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

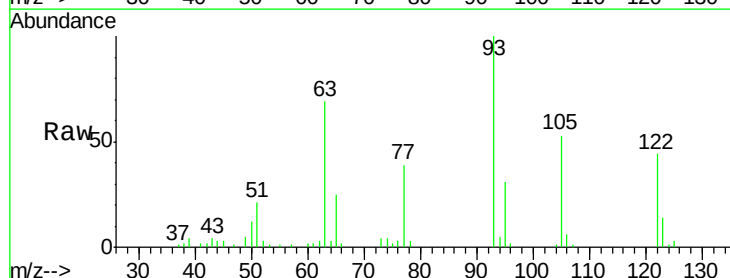
Tgt Ion:122 Resp: 25205

Ion Ratio Lower Upper

122 100

105 118.9 101.1 141.1

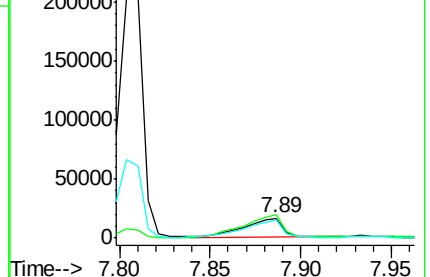
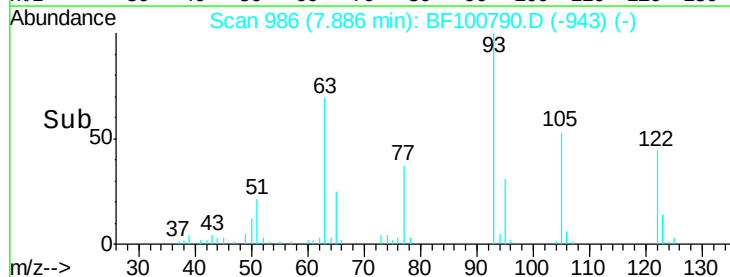
77 88.2 70.7 110.7

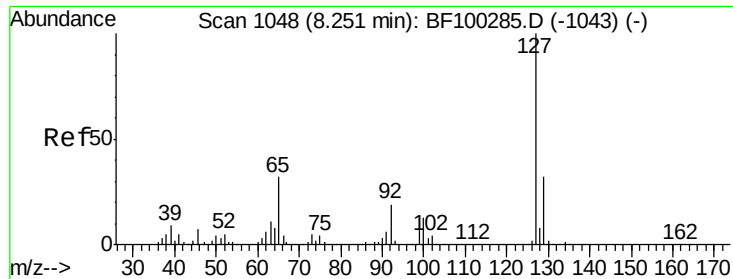


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

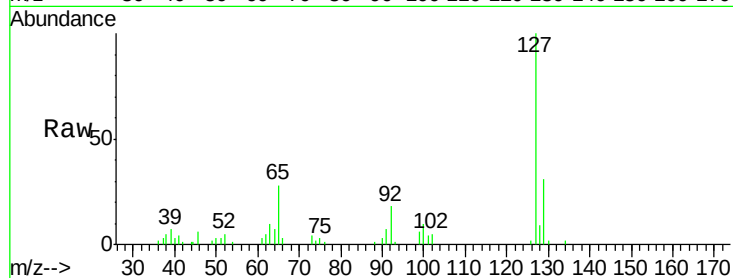




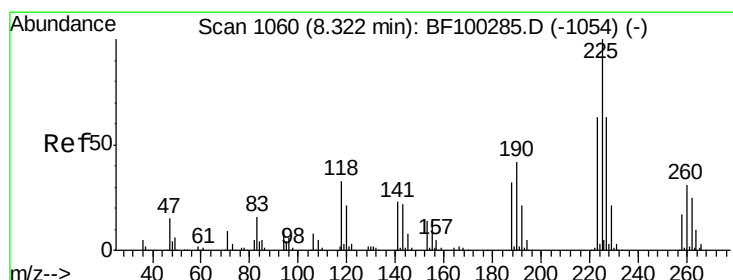
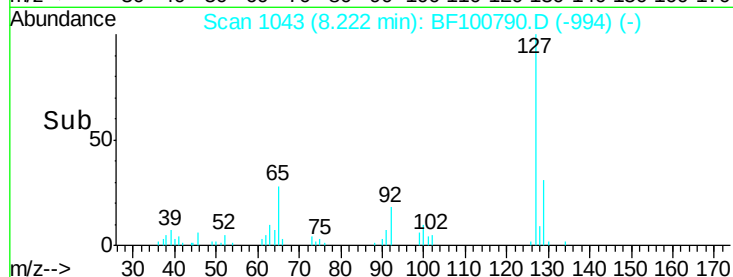
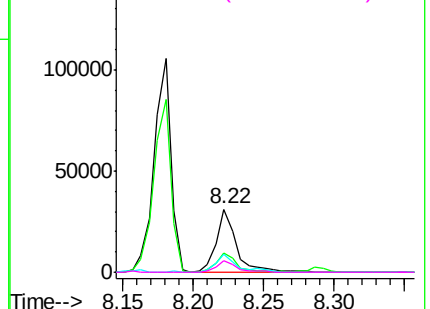
#33  
 4-Chloroaniline  
 Concen: 4.58 ng  
 RT: 8.22 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 30747 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.1  | 25.9  | 38.9  |
| 65       | 27.8  | 25.0  | 37.4  |
| 92       | 18.2  | 15.2  | 22.8  |

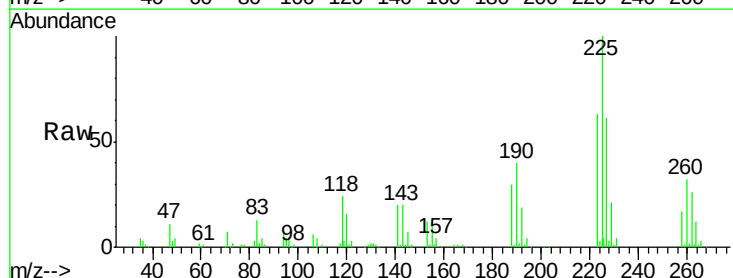


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

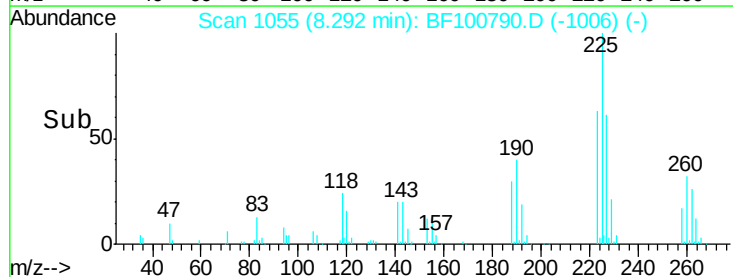
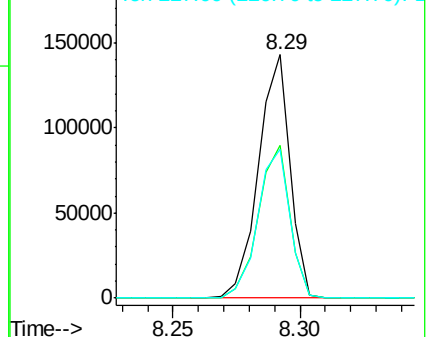


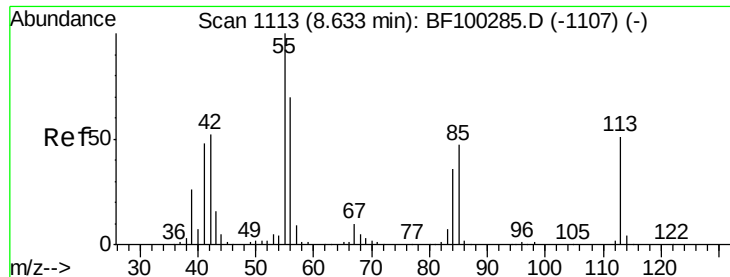
#34  
 Hexachlorobutadiene  
 Concen: 42.49 ng  
 RT: 8.29 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 124568 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.0  | 50.6  | 76.0   |
| 227      | 61.3  | 51.9  | 77.9   |



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

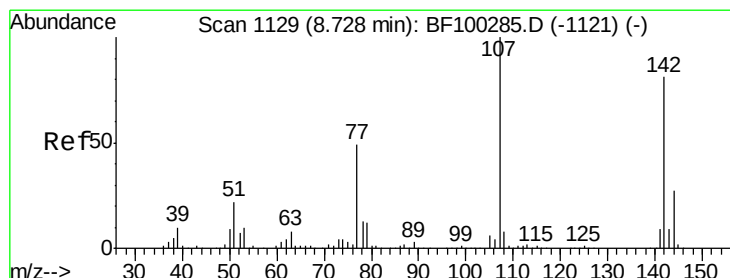
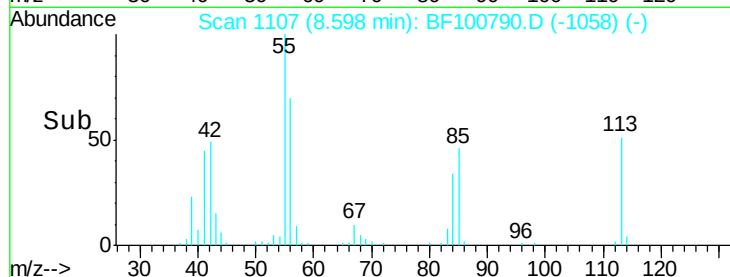
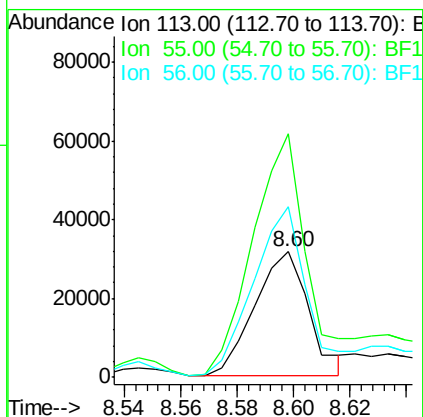
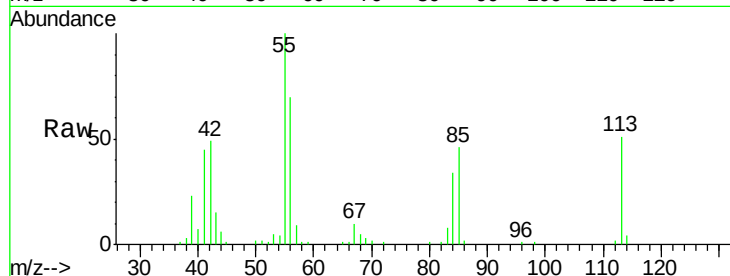




#35  
 Caprolactam  
 Concen: 27.07 ng  
 RT: 8.60 min Scan# 1107  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

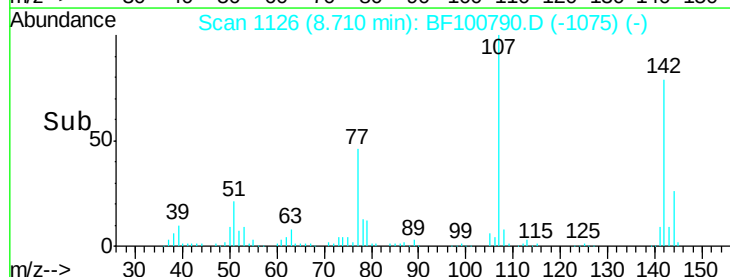
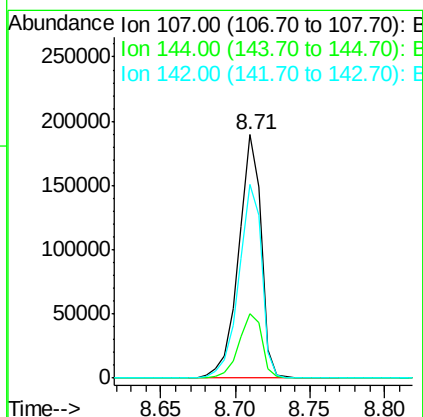
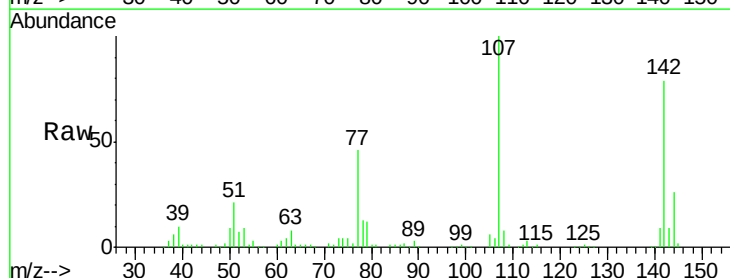
Instrument :  
 BNA\_F  
 ClientSampleId :

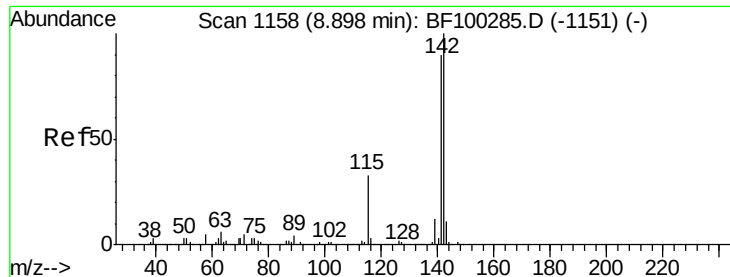
Tot Ion:113 Resp: 42352  
 Ion Ratio Lower Upper  
 113 100  
 55 194.2 163.3 203.3  
 56 136.2 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 40.60 ng  
 RT: 8.71 min Scan# 1126  
 Delta R.T. -0.00 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Tgt Ion:107 Resp: 198801  
 Ion Ratio Lower Upper  
 107 100  
 144 26.2 20.5 30.7  
 142 79.5 62.0 93.0

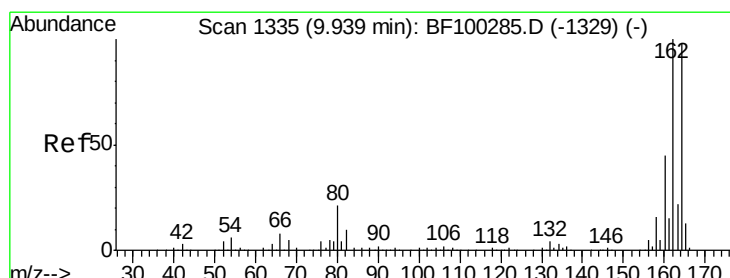
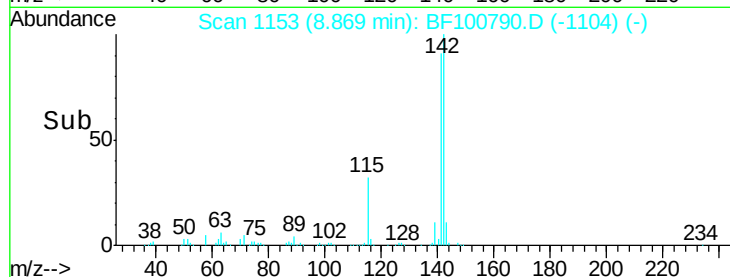
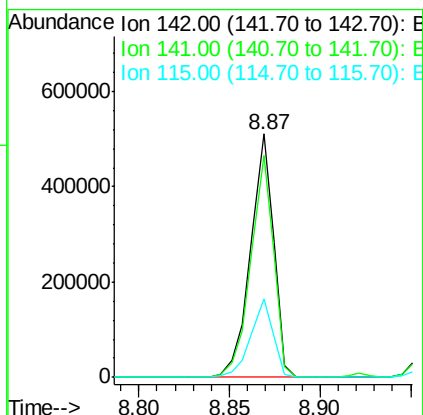
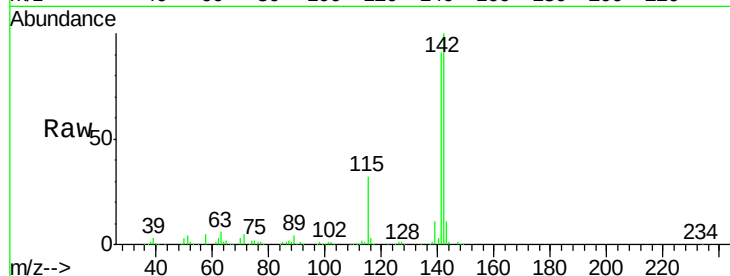




#37  
2-Methylnaphthalene  
Concen: 42.28 ng  
RT: 8.87 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

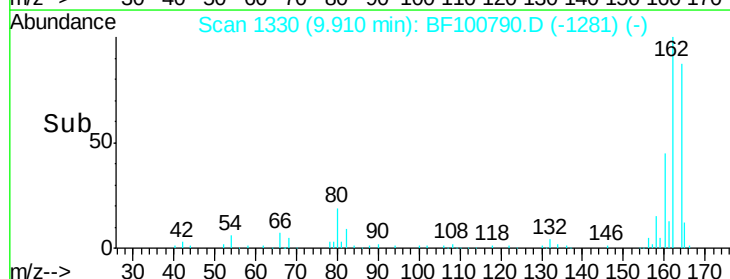
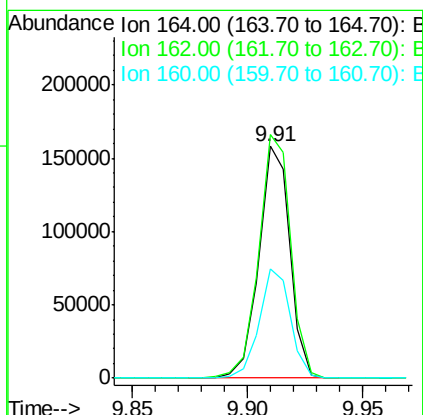
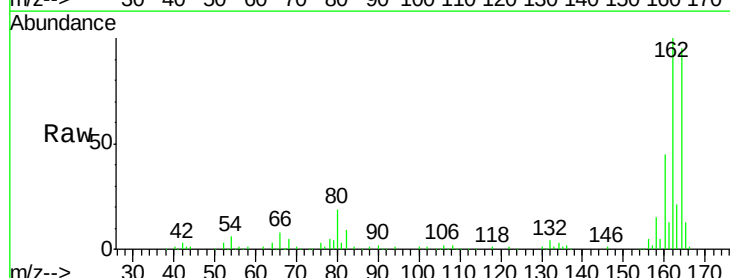
Instrument :  
BNA\_F  
ClientSampleId :

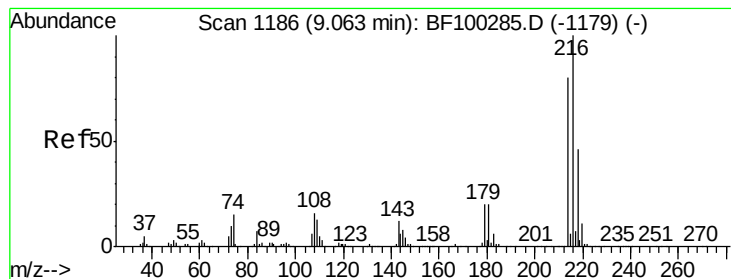
Tot Ion:142 Resp: 453171  
Ion Ratio Lower Upper  
142 100  
141 90.9 70.8 106.2  
115 32.3 26.1 39.1



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:164 Resp: 148107  
Ion Ratio Lower Upper  
164 100  
162 104.9 86.1 129.1  
160 47.0 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.65 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100790.D

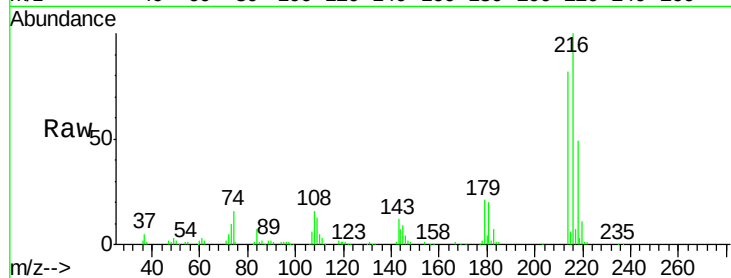
Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 209515 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 81.6  | 63.0  | 94.4   |
| 179       | 20.4  | 18.1  | 27.1   |
| 108       | 16.0  | 17.2  | 25.8#  |

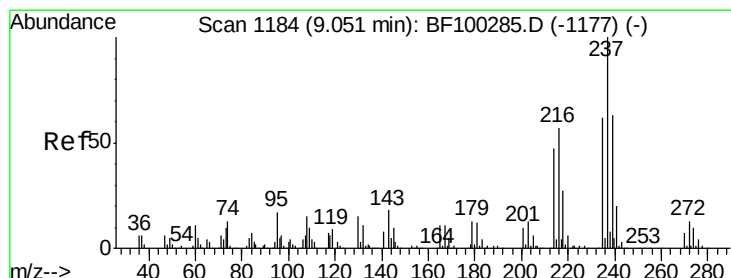
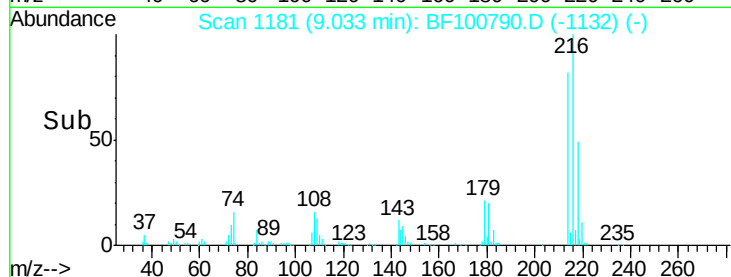
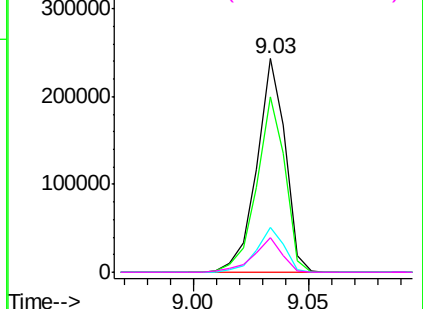


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 30.16 ng

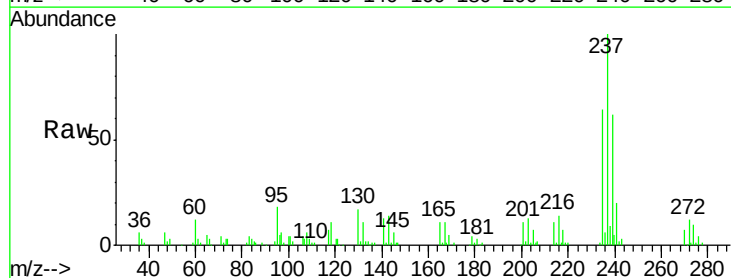
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

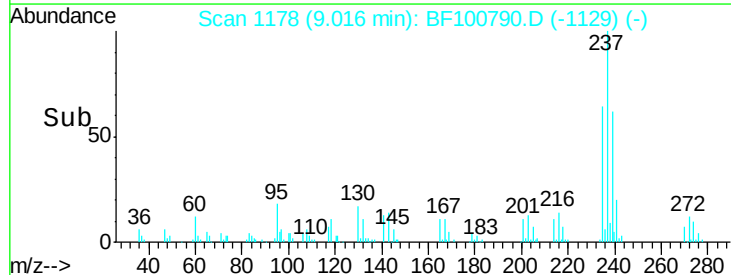
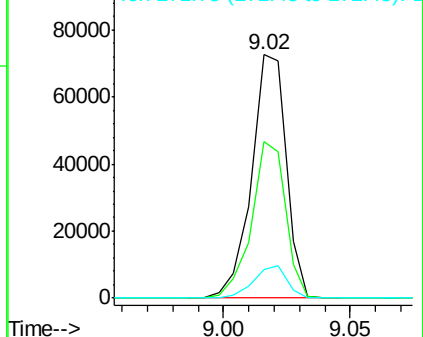
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 69722 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 64.1  | 44.8  | 84.8  |
| 272       | 11.8  | 0.0   | 33.3  |

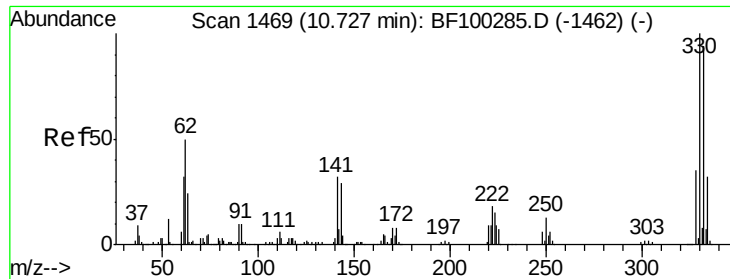


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

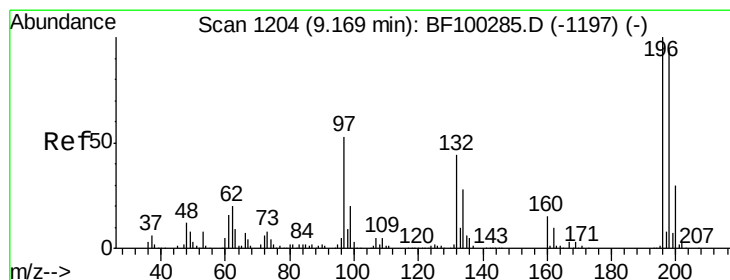
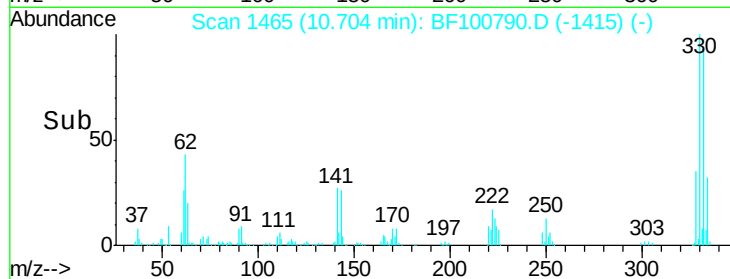
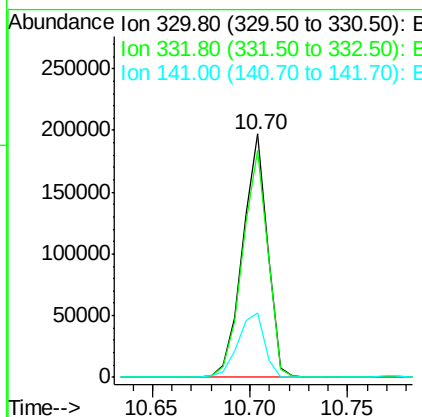
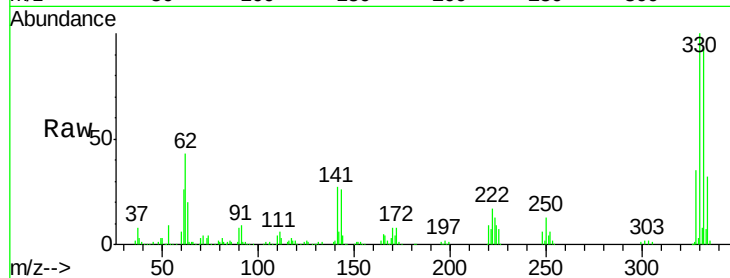




#41  
 2,4,6-Tribromophenol  
 Concen: 115.25 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

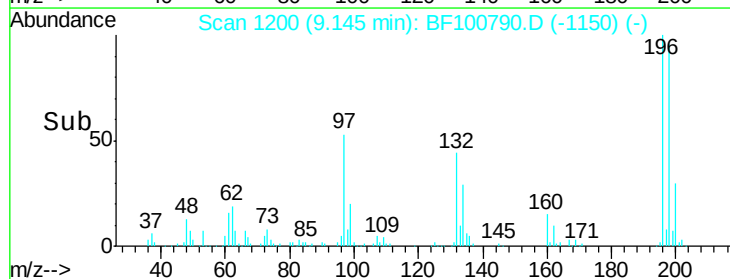
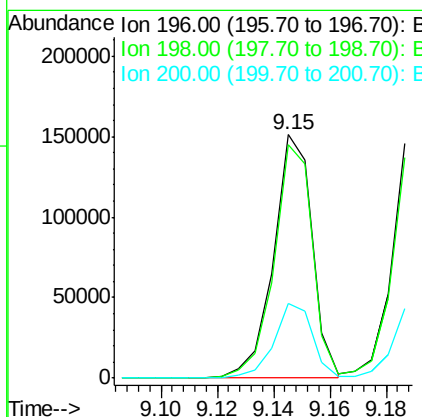
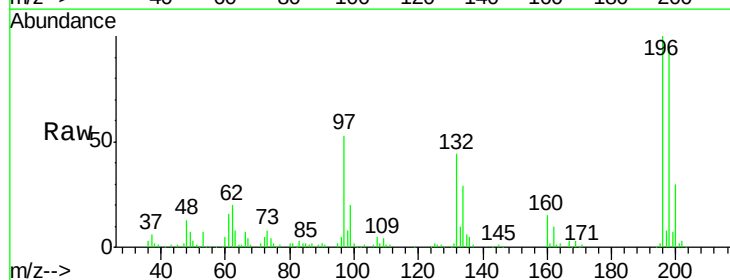
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.0  | 115.6 |
| 141     | 28.4  | 29.9  | 44.9# |

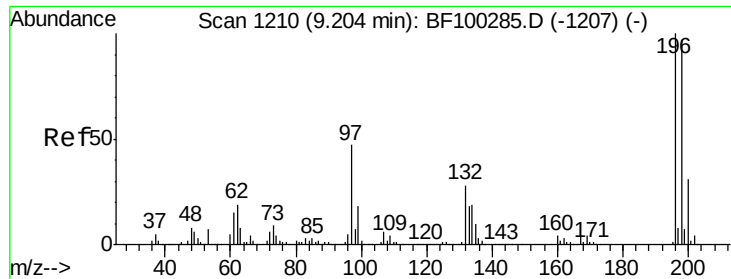


#42  
 2,4,6-Trichlorophenol  
 Concen: 45.99 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.1  | 75.7  | 113.5 |
| 200     | 30.5  | 24.5  | 36.7  |



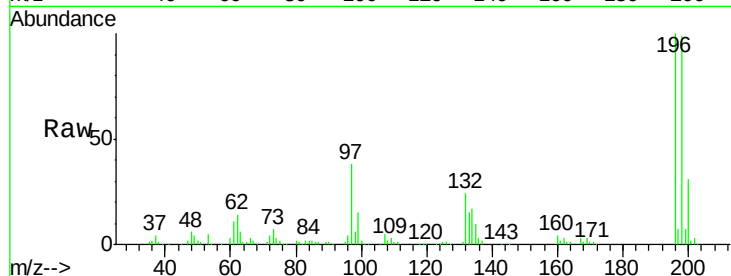




#43  
 2,4,5-Trichlorophenol  
 Concen: 45.97 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.00 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.5  | 74.6  | 112.0 |
| 97      | 38.2  | 42.9  | 64.3# |
| 132     | 24.4  | 26.3  | 39.5# |



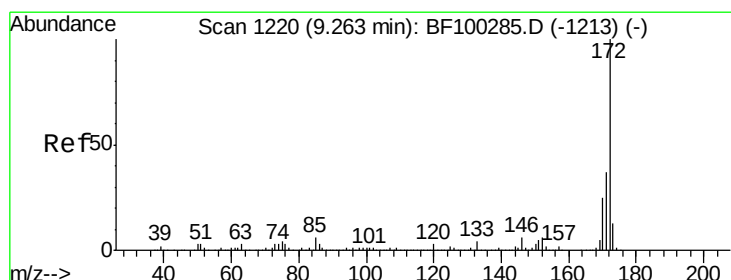
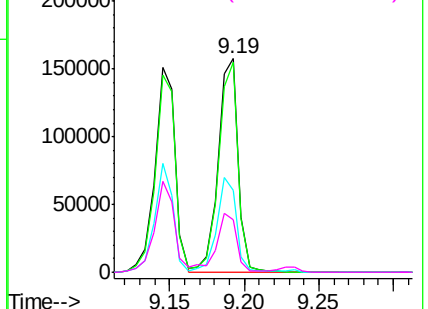
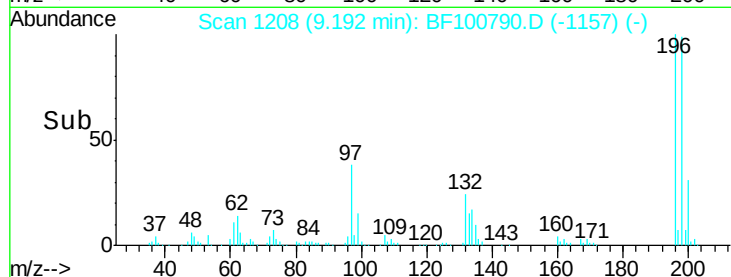
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

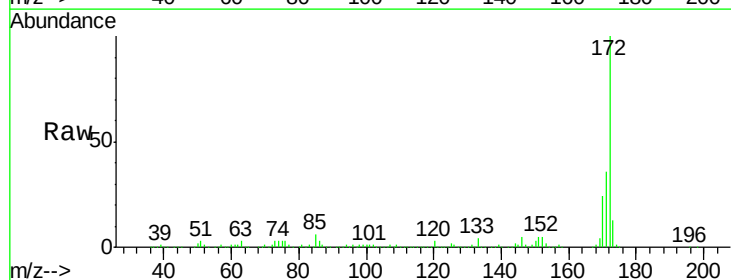
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 90.46 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.1  | 19.6  | 29.4  |

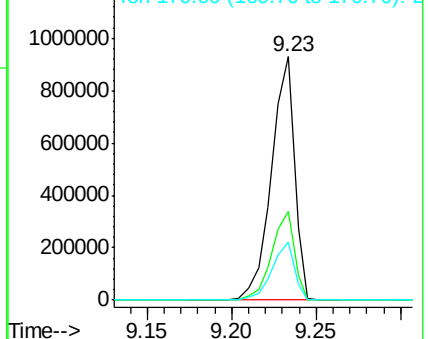
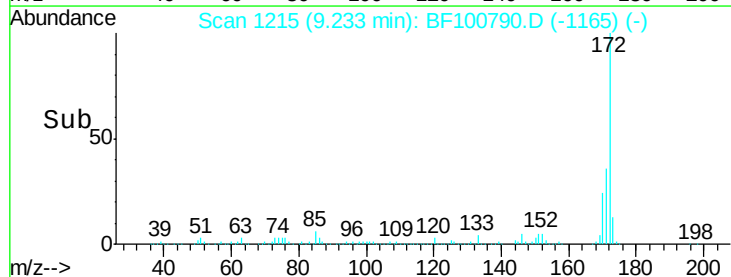


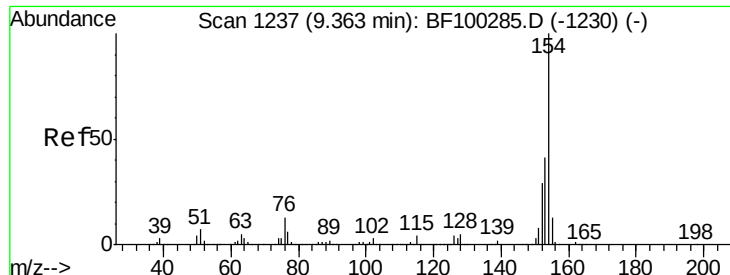
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

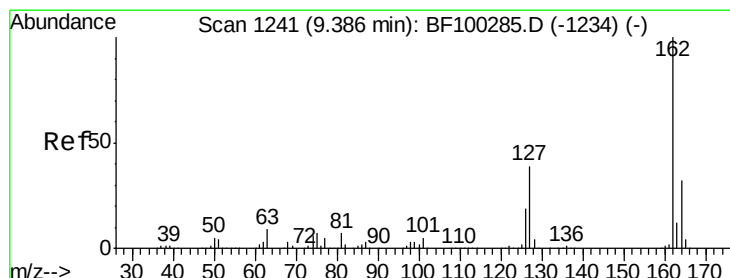
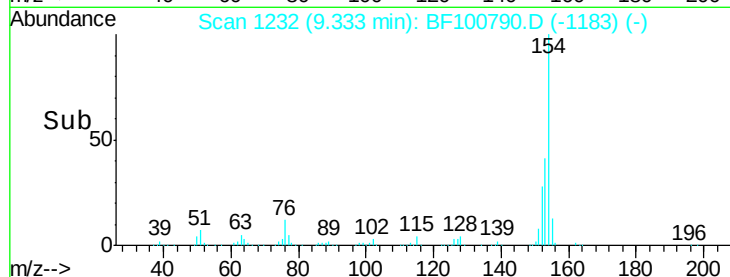
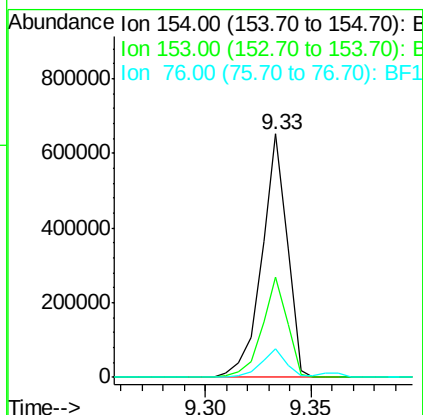
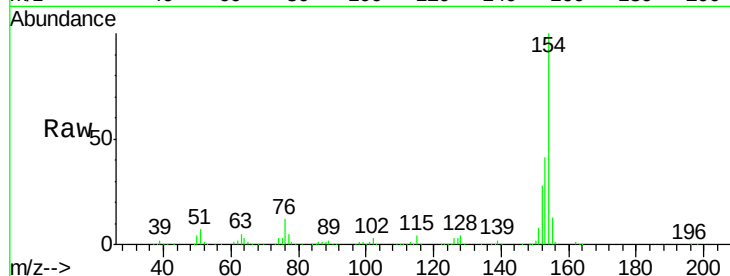




#45  
 1,1'-Biphenyl  
 Concen: 42.40 ng  
 RT: 9.33 min Scan# 1232  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

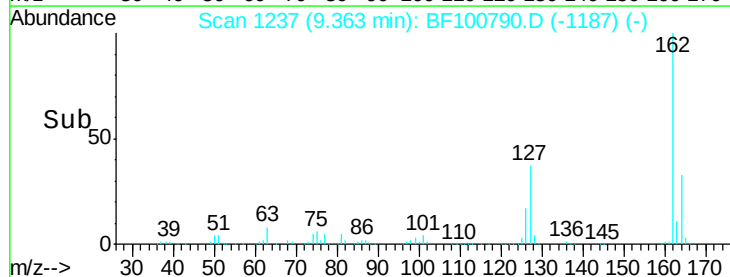
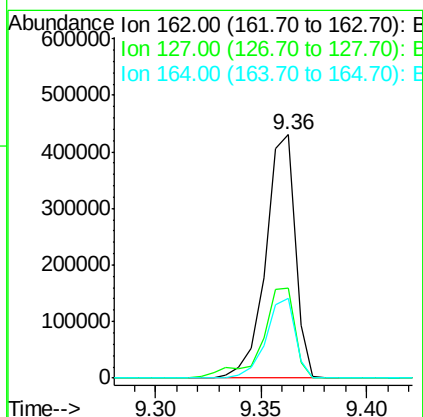
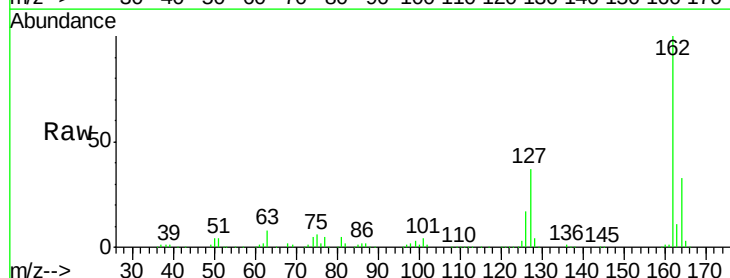
Instrument :  
 BNA\_F  
 ClientSampled :

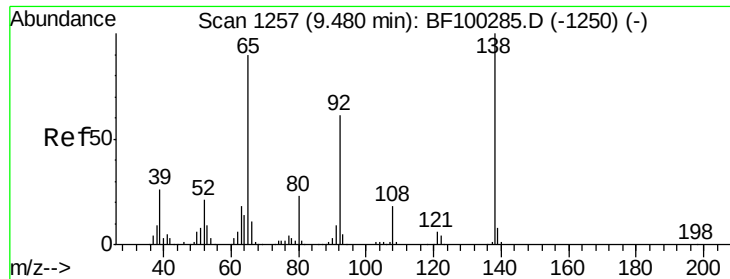
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.2  | 21.3  | 61.3  |
| 76      | 11.9  | 0.0   | 34.0  |



#46  
 2-Chloronaphthalene  
 Concen: 45.15 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.1  | 33.9  | 50.9  |
| 164     | 32.5  | 26.5  | 39.7  |

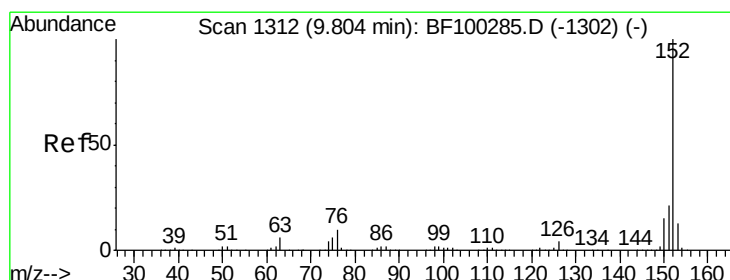
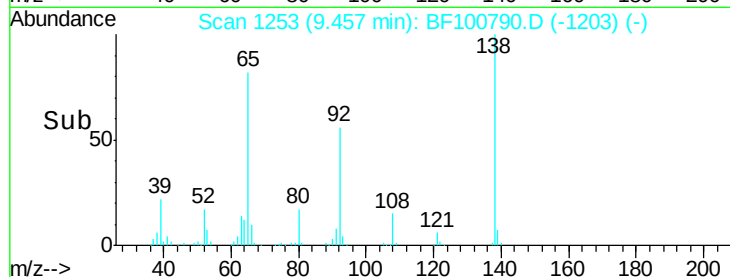
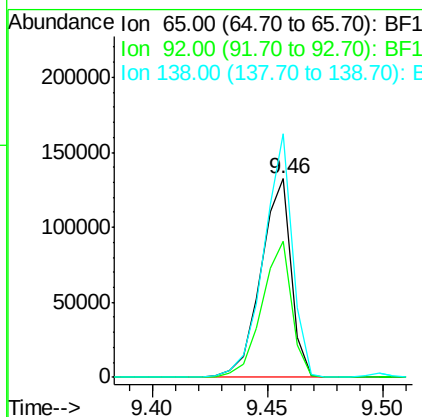
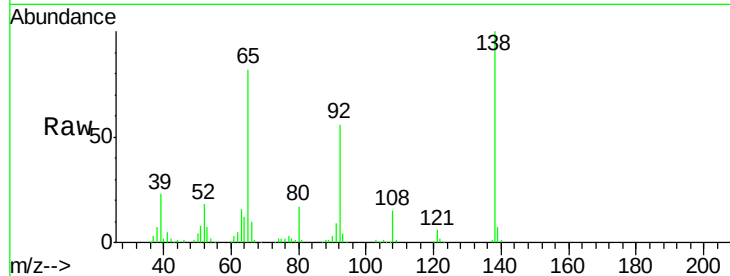




#47  
2-Nitroaniline  
Concen: 44.26 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

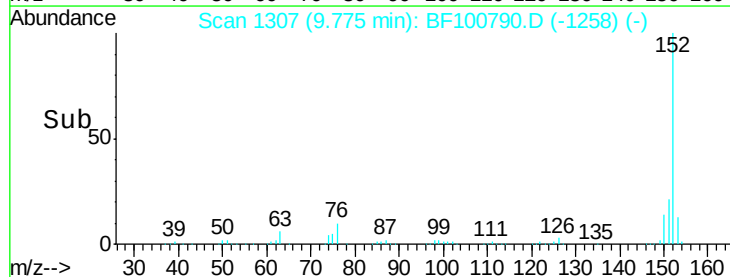
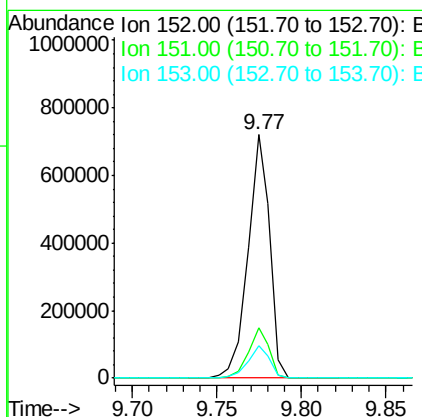
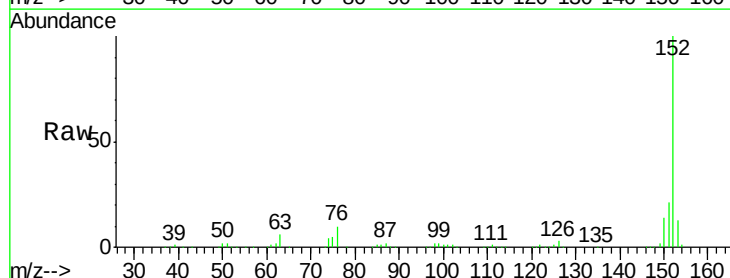
Instrument :  
BNA\_F  
ClientSampled :

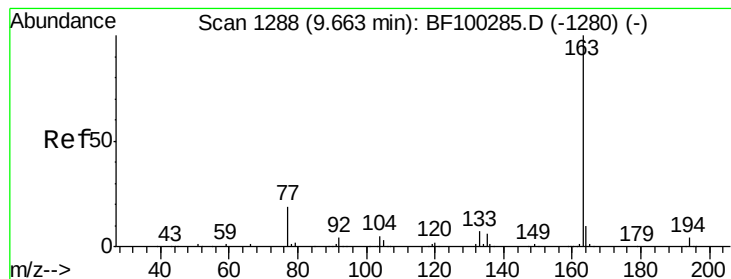
Tot Ion: 65 Resp: 120889  
Ion Ratio Lower Upper  
65 100  
92 68.6 55.8 83.6  
138 122.6 91.2 136.8



#48  
Acenaphthylene  
Concen: 41.82 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 152 Resp: 644074  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.3 24.5  
153 13.1 10.7 16.1





#49

Dimethylphthalate

Concen: 47.56 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

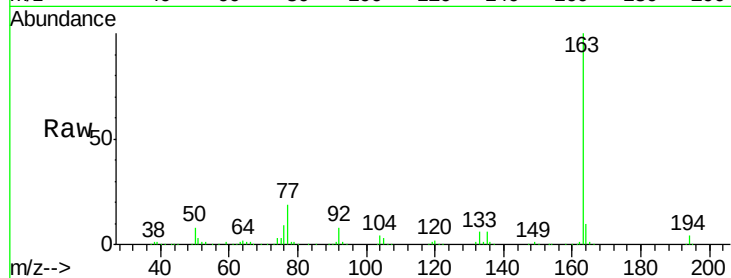
Tot Ion:163 Resp: 537868

Ion Ratio Lower Upper

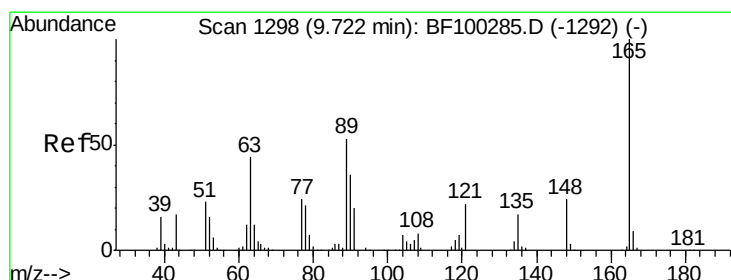
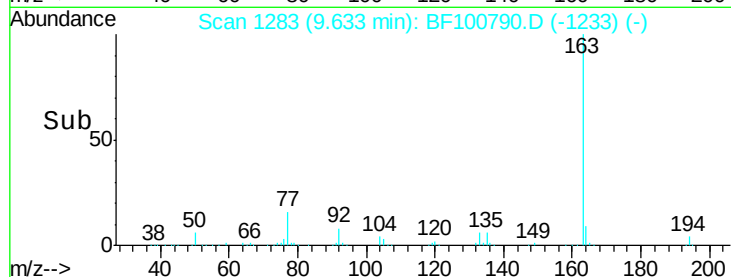
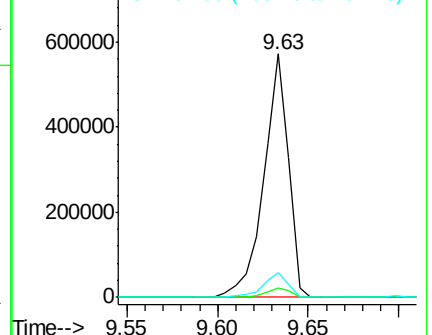
163 100

194 3.8 2.7 4.1

164 10.4 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 47.52 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

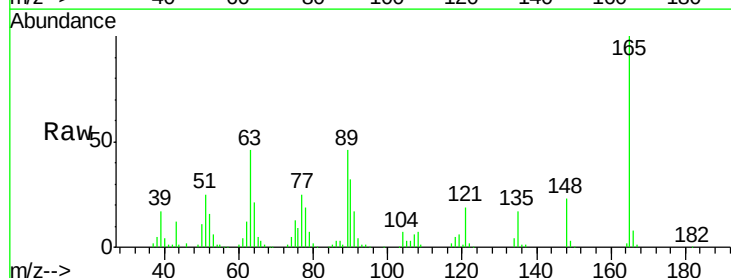
Tgt Ion:165 Resp: 106359

Ion Ratio Lower Upper

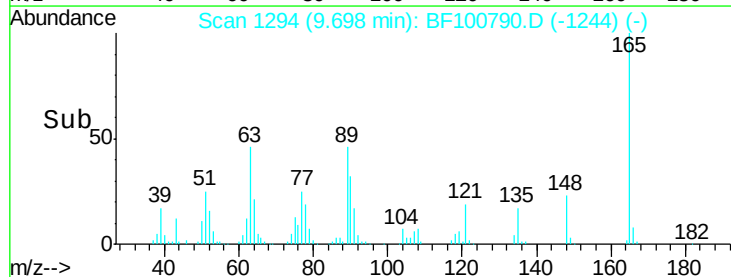
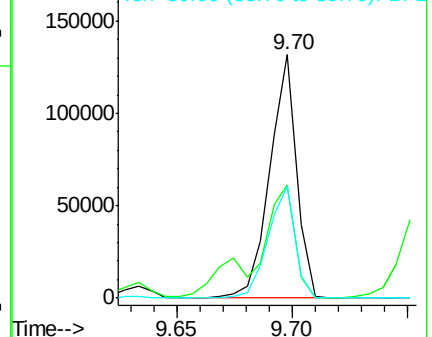
165 100

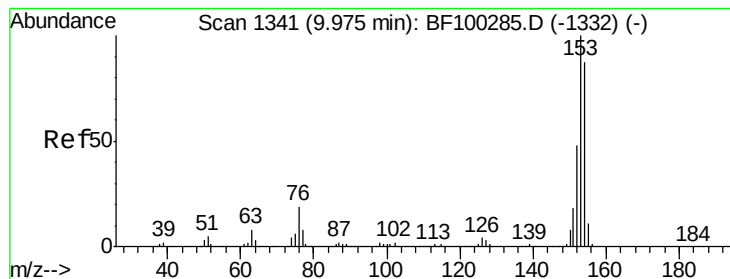
63 46.3 44.7 67.1

89 45.9 44.0 66.0



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





#51

Acenaphthene

Concen: 40.20 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

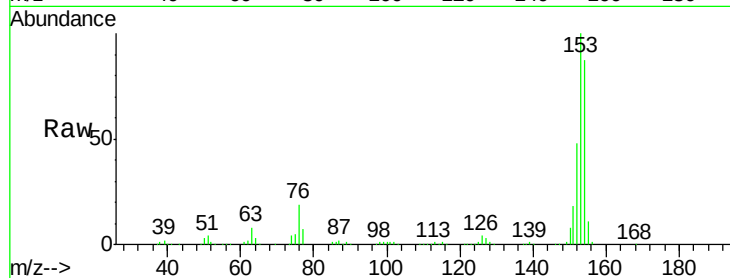
Tot Ion:154 Resp: 376567

Ion Ratio Lower Upper

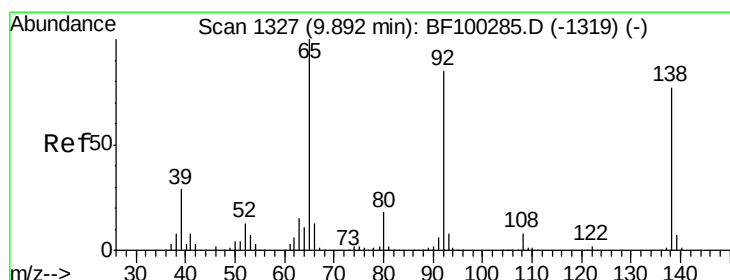
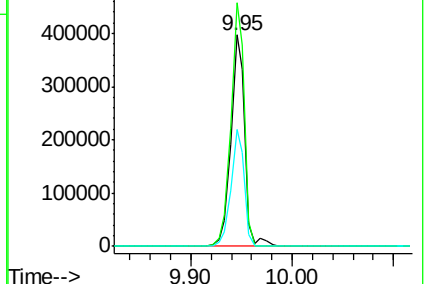
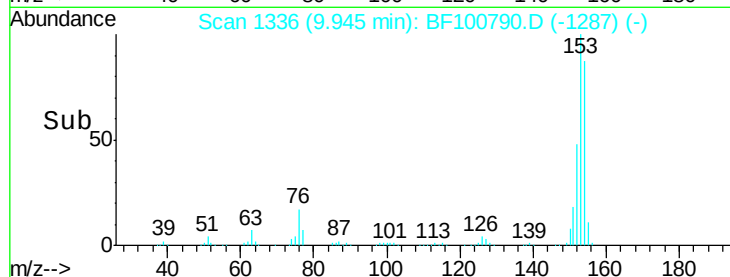
154 100

153 115.2 91.2 136.8

152 55.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.33 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

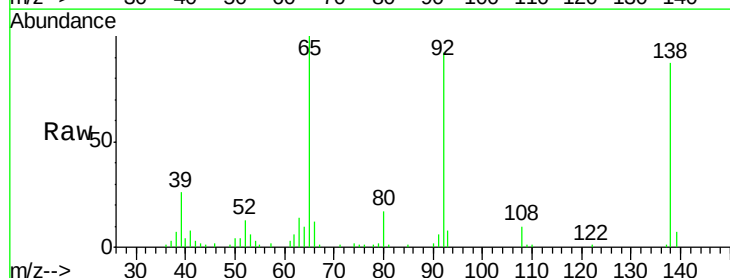
Tgt Ion:138 Resp: 37869

Ion Ratio Lower Upper

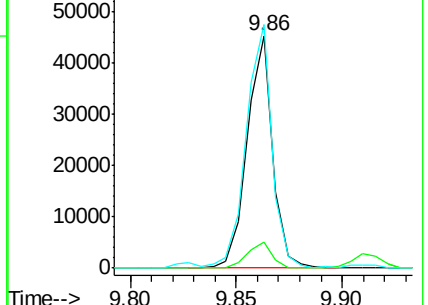
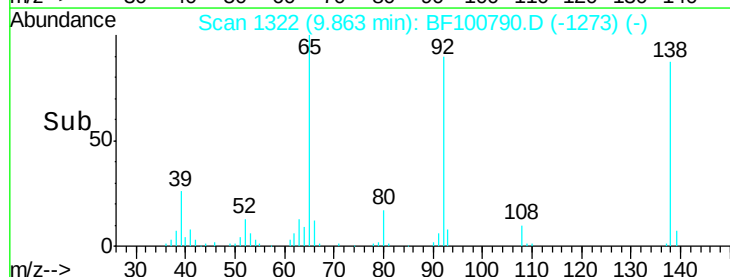
138 100

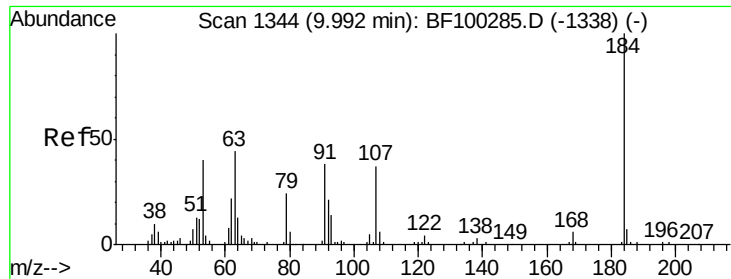
108 11.0 9.4 14.0

92 104.9 89.4 134.2



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

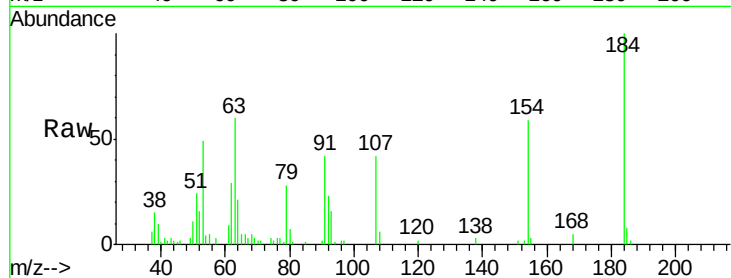




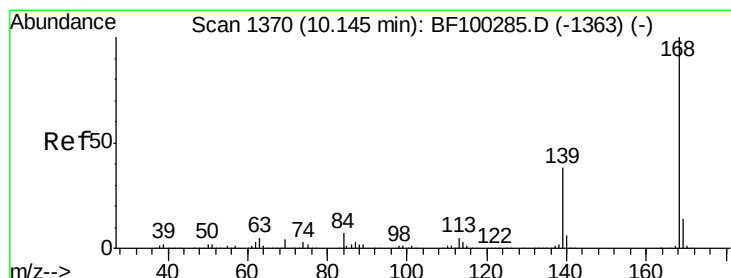
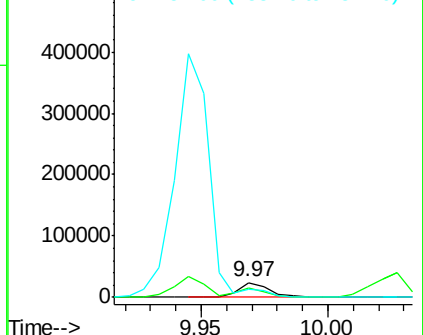
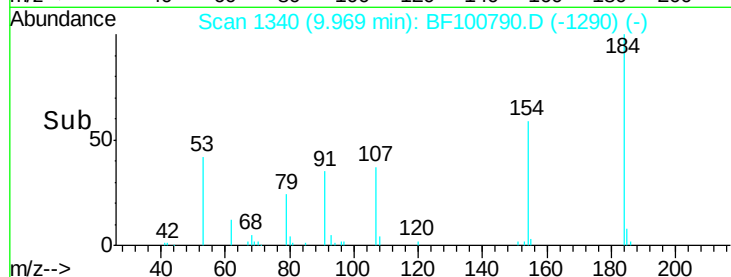
#53  
2,4-Dinitrophenol  
Concen: 32.79 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 20863  
Ion Ratio Lower Upper  
184 100  
63 59.6 54.2 81.2  
154 59.2 184.0 276.0#

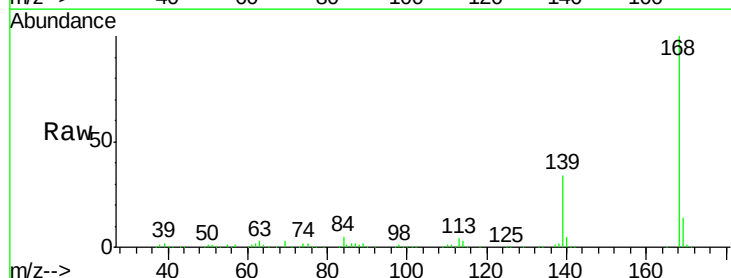


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

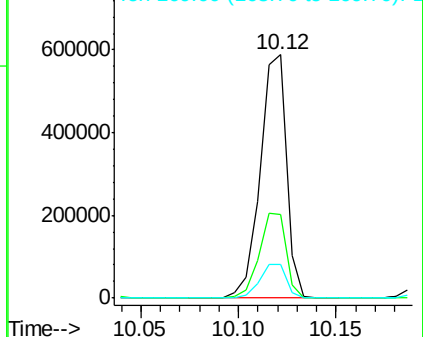
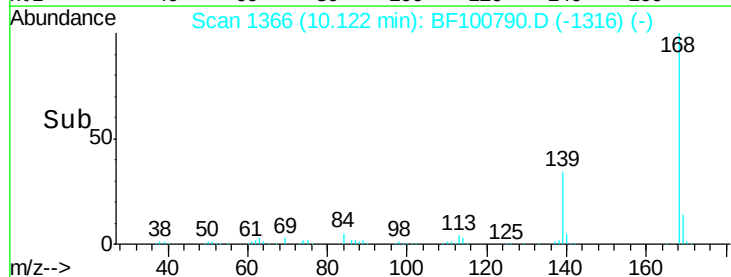


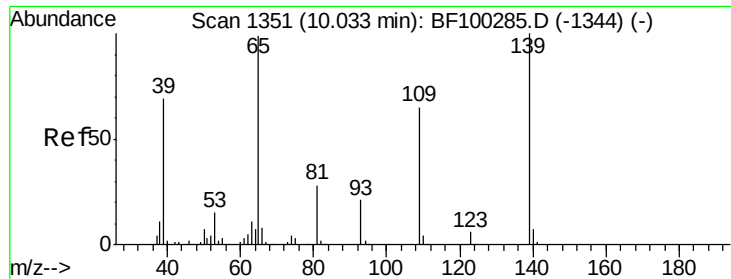
#54  
Dibenzofuran  
Concen: 41.97 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:168 Resp: 551027  
Ion Ratio Lower Upper  
168 100  
139 34.3 30.1 45.1  
169 13.9 10.9 16.3



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

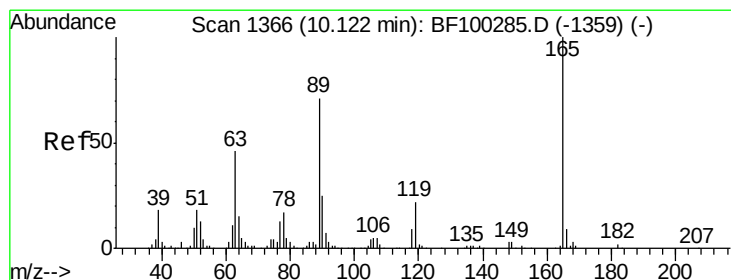
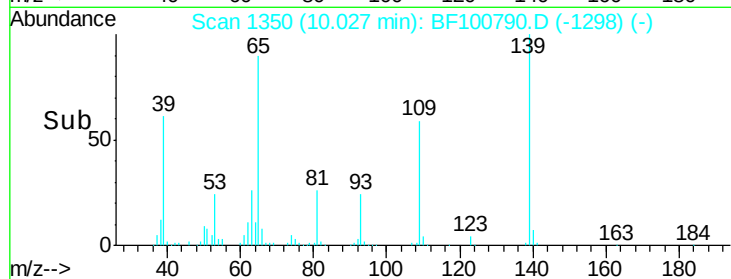
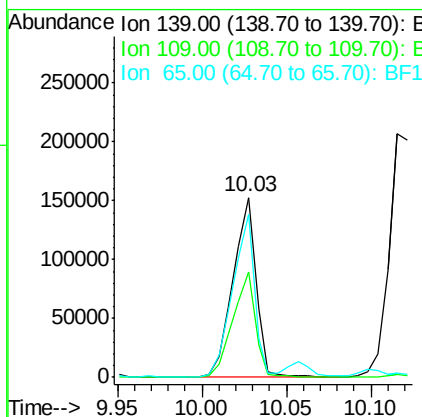
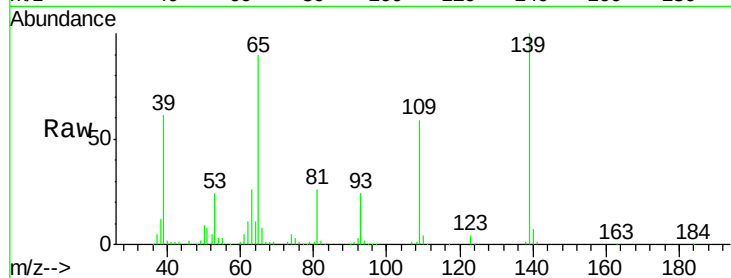




#55  
4-Nitrophenol  
Concen: 67.86 ng  
RT: 10.03 min Scan# 1350  
Delta R.T. 0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

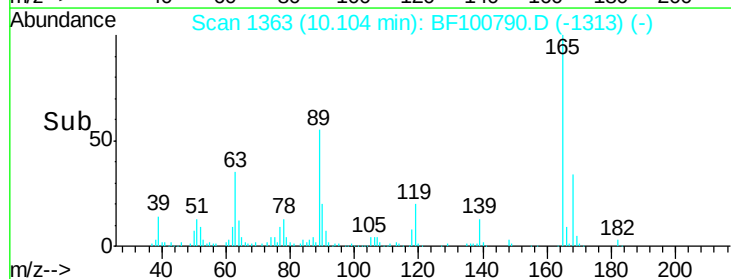
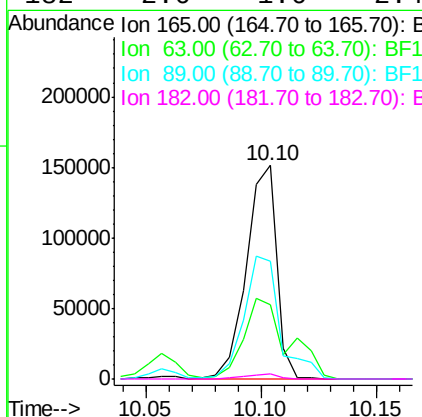
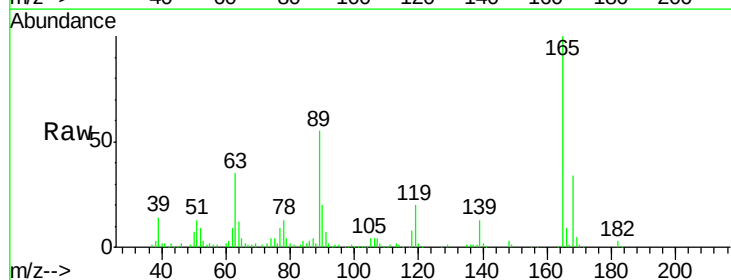
Instrument :  
BNA\_F  
ClientSampled :

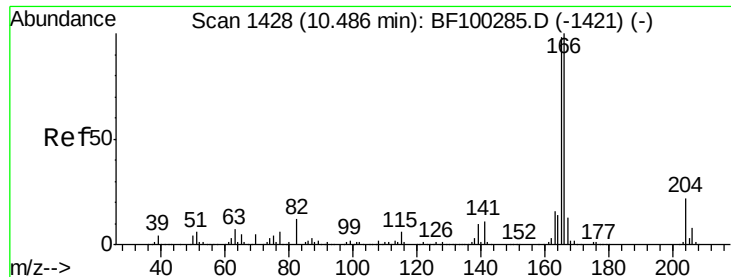
Tot Ion:139 Resp: 145638  
Ion Ratio Lower Upper  
139 100  
109 59.0 48.4 88.4  
65 90.5 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 49.13 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:165 Resp: 138727  
Ion Ratio Lower Upper  
165 100  
63 34.7 36.4 54.6#  
89 55.0 57.8 86.6#  
182 2.6 1.6 2.4#

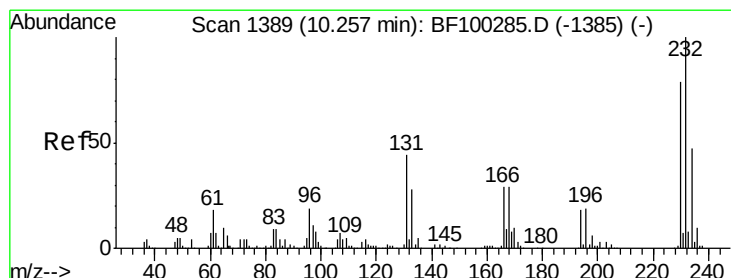
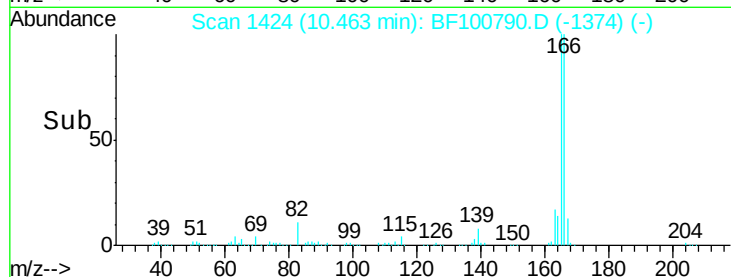
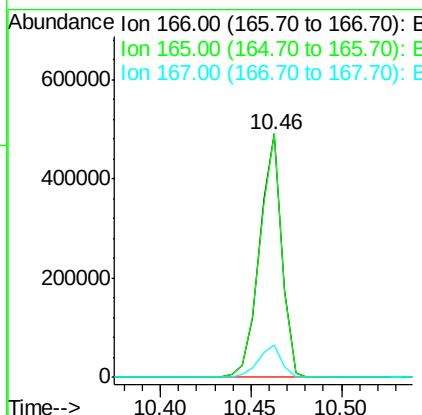
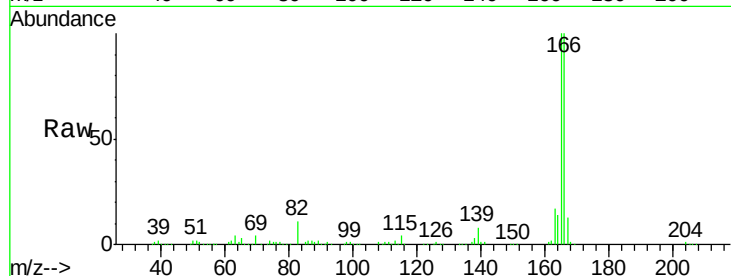




#57  
Fluorene  
Concen: 43.58 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

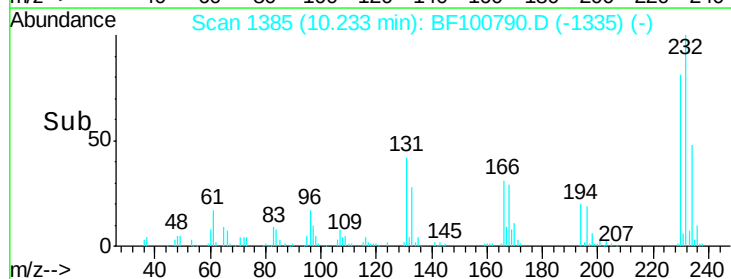
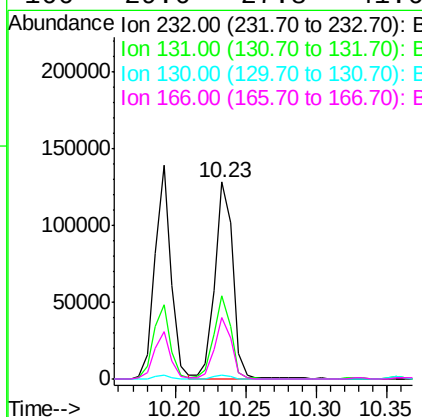
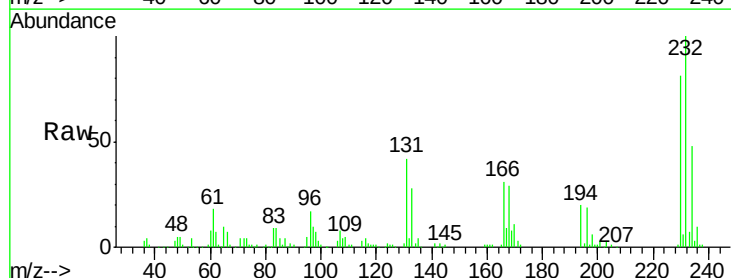
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:166 Resp: 419129  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.8 119.8  
167 13.3 10.6 16.0

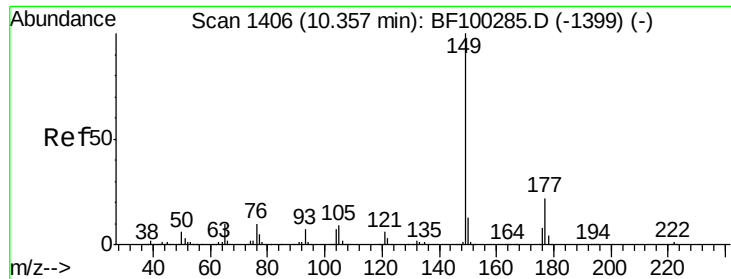


#58  
2,3,4,6-Tetrachlorophenol  
Concen: 42.98 ng  
RT: 10.23 min Scan# 1385  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:232 Resp: 113618  
Ion Ratio Lower Upper  
232 100  
131 40.8 43.8 65.8#  
130 1.8 2.1 3.1#  
166 29.6 27.8 41.6



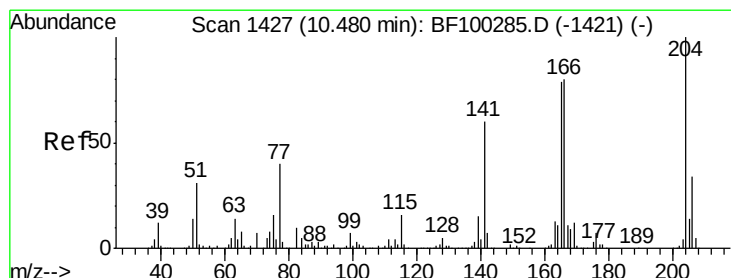
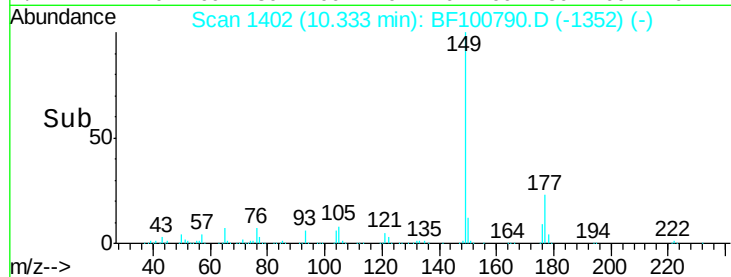
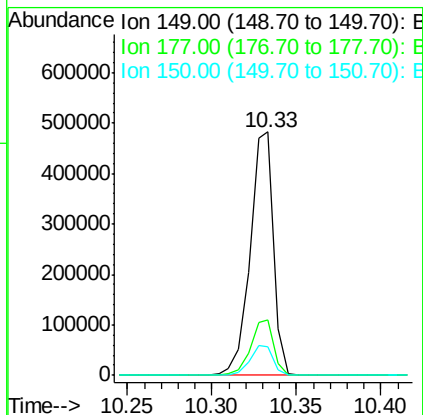
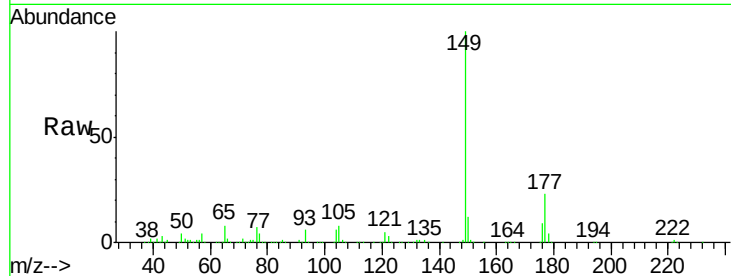




#59  
Diethylphthalate  
Concen: 41.25 ng  
RT: 10.33 min Scan# 1402  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

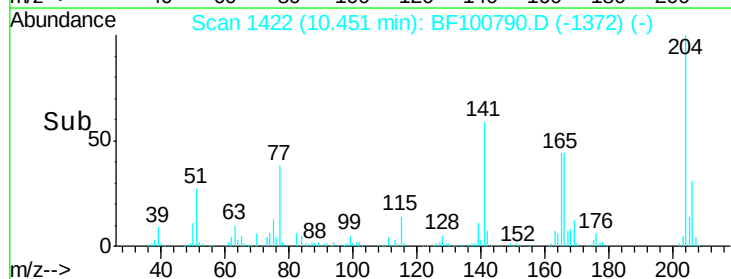
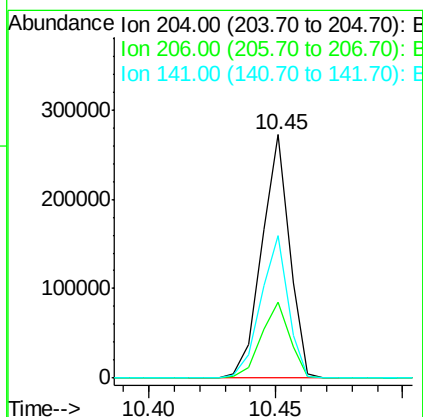
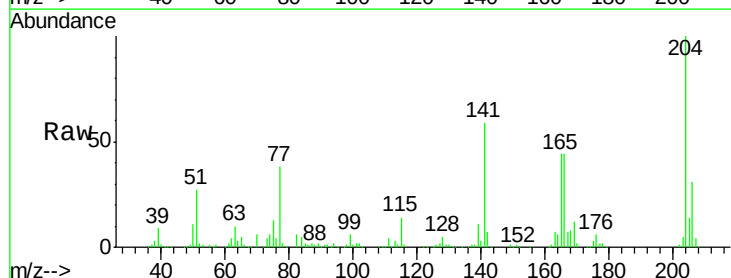
Instrument :  
BNA\_F  
ClientSampleId :

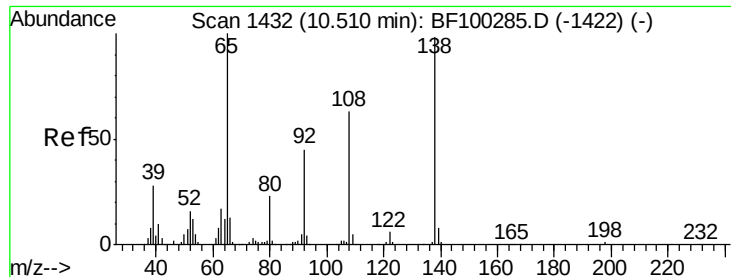
Tot Ion:149 Resp: 466769  
Ion Ratio Lower Upper  
149 100  
177 23.0 16.1 24.1  
150 12.0 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 44.37 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:204 Resp: 209305  
Ion Ratio Lower Upper  
204 100  
206 31.4 26.5 39.7  
141 58.5 54.6 81.8

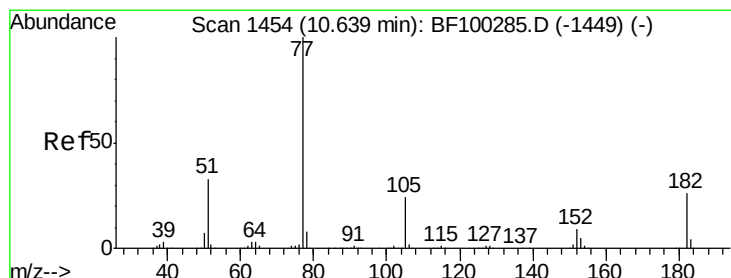
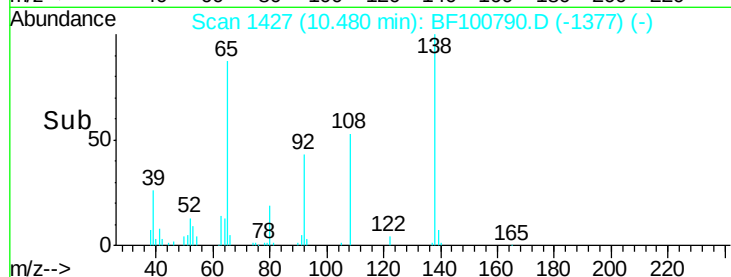
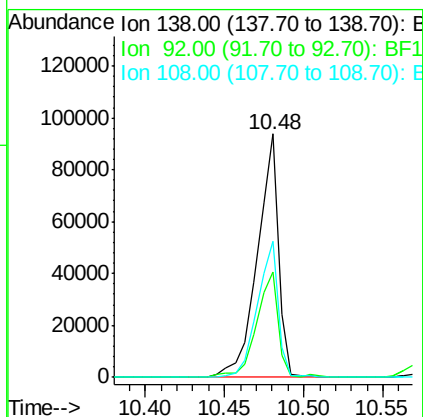
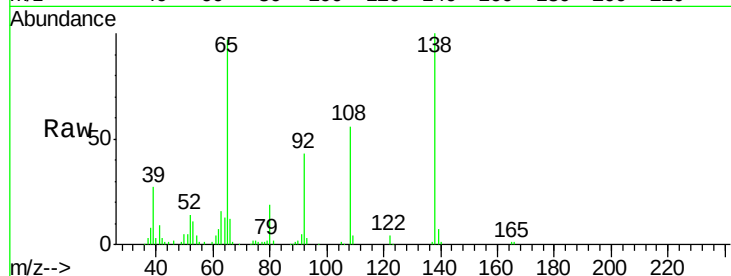




#61  
4-Nitroaniline  
Concen: 35.17 ng  
RT: 10.48 min Scan# 1427  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

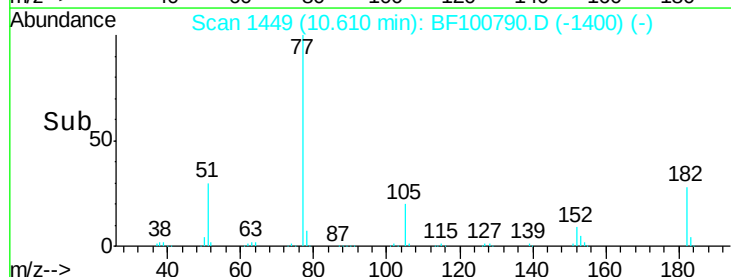
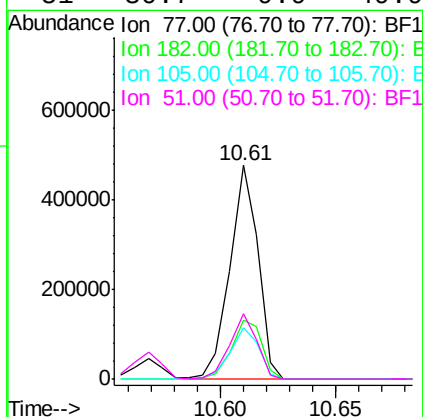
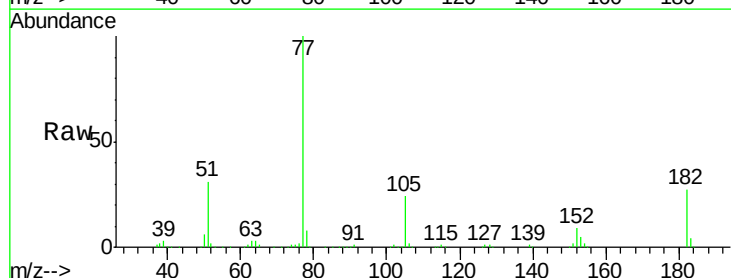
Instrument :  
BNA\_F  
ClientSampleId :

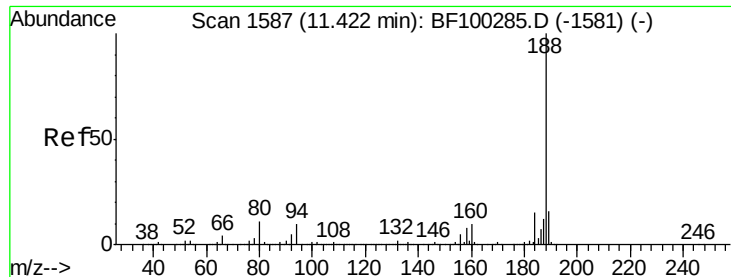
Tot Ion:138 Resp: 88153  
Ion Ratio Lower Upper  
138 100  
92 43.3 30.2 70.2  
108 56.1 52.5 92.5



#62  
Azobenzene  
Concen: 37.88 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion: 77 Resp: 403761  
Ion Ratio Lower Upper  
77 100  
182 27.3 1.7 41.7  
105 24.0 3.0 43.0  
51 30.7 9.9 49.9

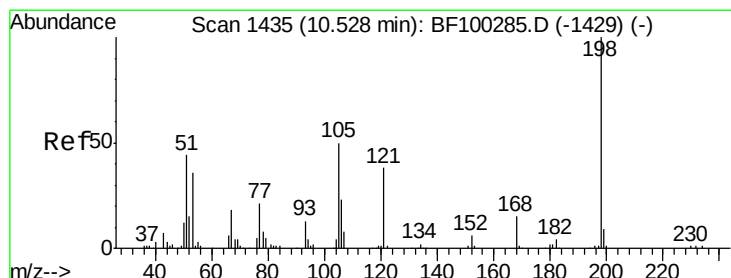
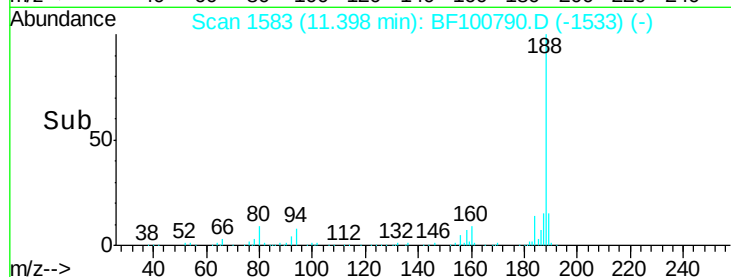
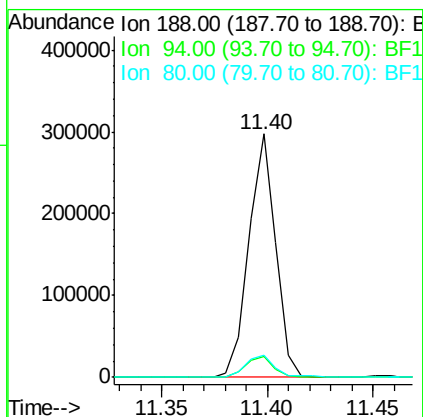
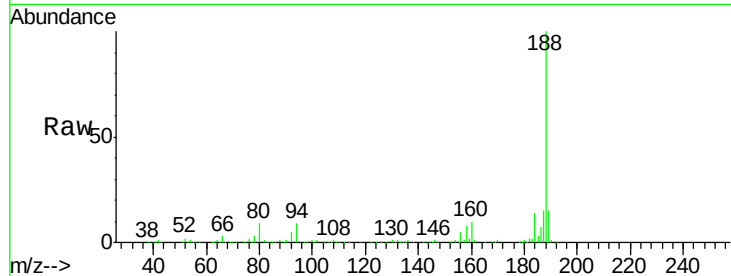




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

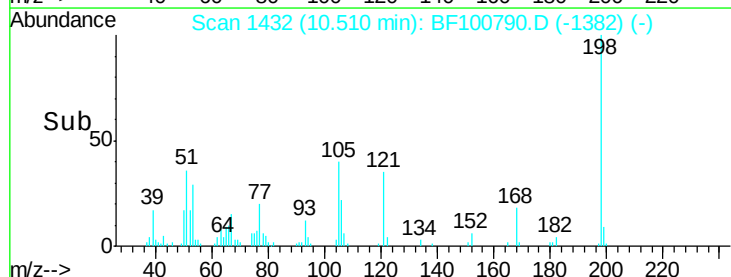
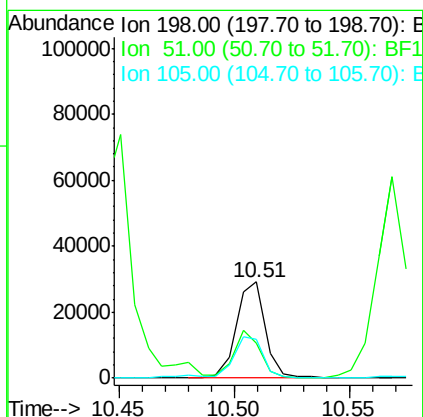
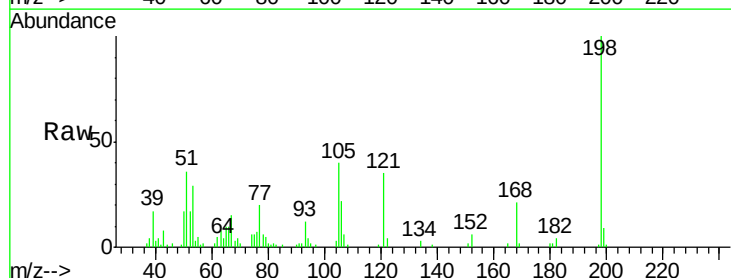
Instrument :  
BNA\_F  
ClientSampleId :

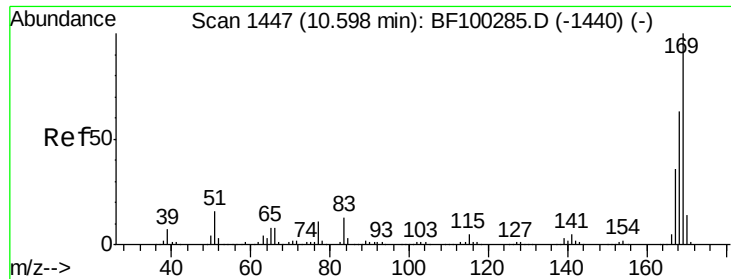
Tot Ion:188 Resp: 262370  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 9.3 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 24.39 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:198 Resp: 25515  
Ion Ratio Lower Upper  
198 100  
51 36.1 37.7 77.7#  
105 39.7 36.3 76.3

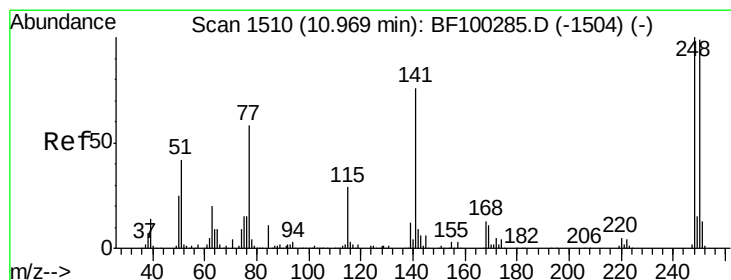
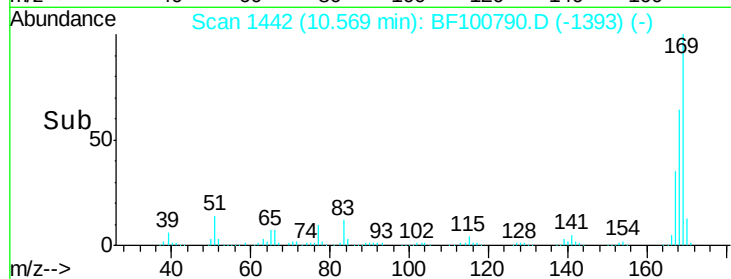
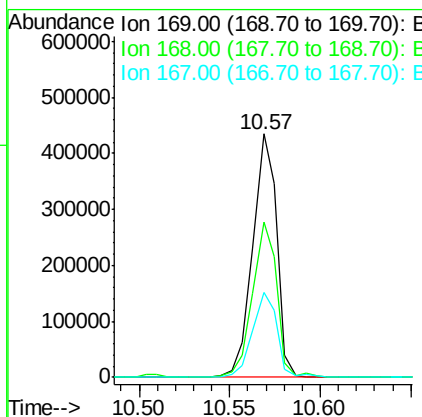
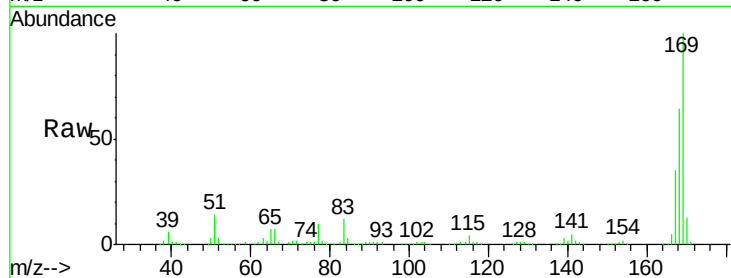




#65  
 n-Nitrosodiphenylamine  
 Concen: 43.74 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

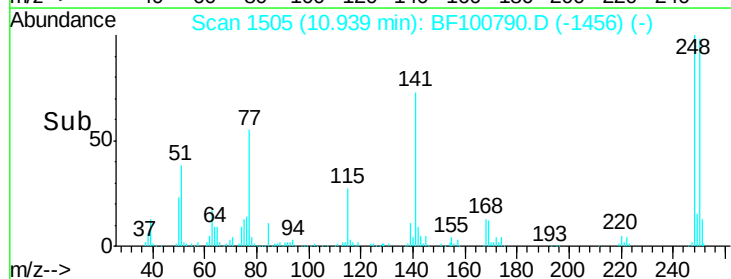
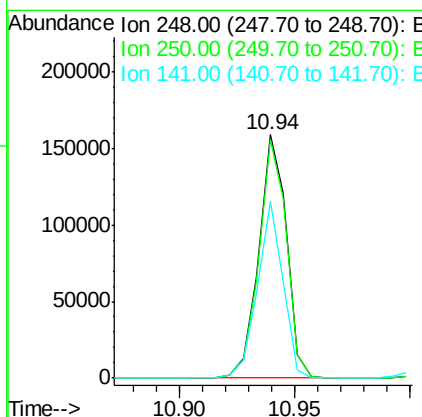
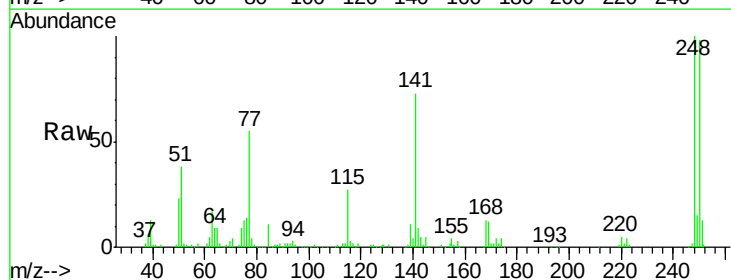
Instrument :  
 BNA\_F  
 ClientSampled :

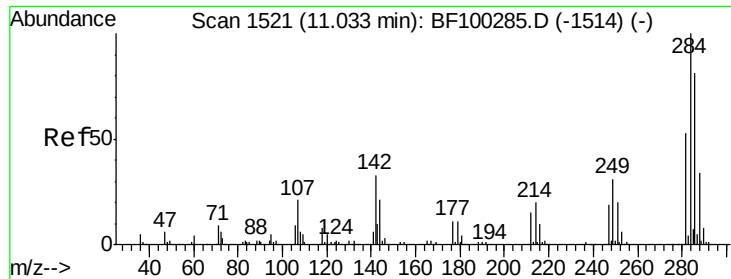
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 63.7  | 54.4  | 81.6  |
| 167     | 34.9  | 29.8  | 44.6  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 47.23 ng  
 RT: 10.94 min Scan# 1505  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 97.9  | 76.9  | 115.3  |
| 141     | 72.6  | 74.4  | 111.6# |

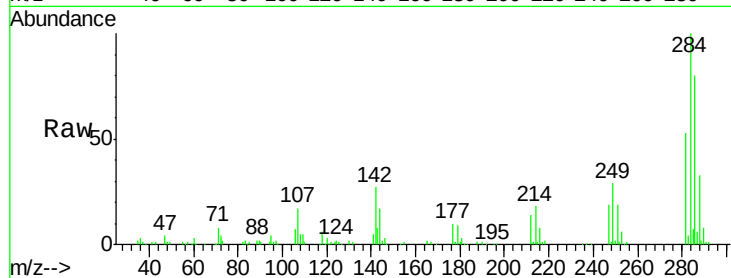




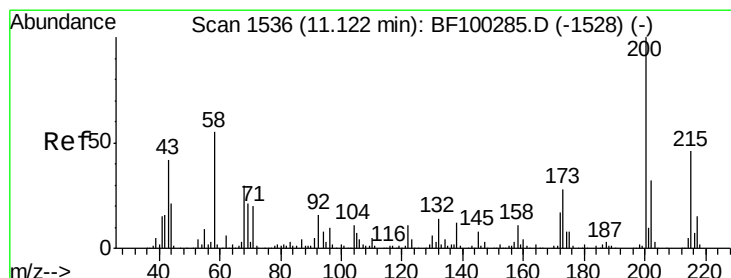
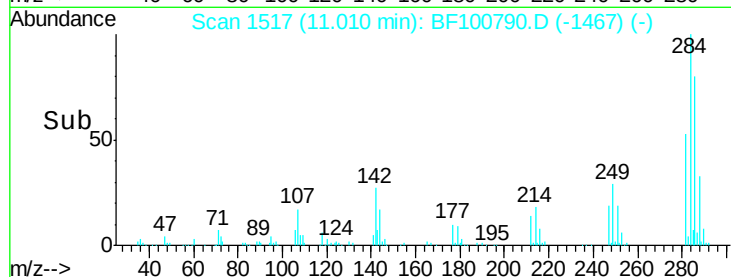
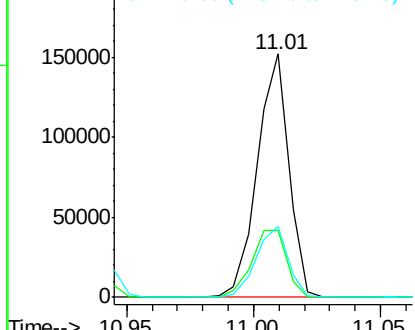
#67  
Hexachlorobenzene  
Concen: 44.98 ng  
RT: 11.01 min Scan# 1517  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 132308  
Ion Ratio Lower Upper  
284 100  
142 27.4 34.6 52.0#  
249 29.1 24.8 37.2

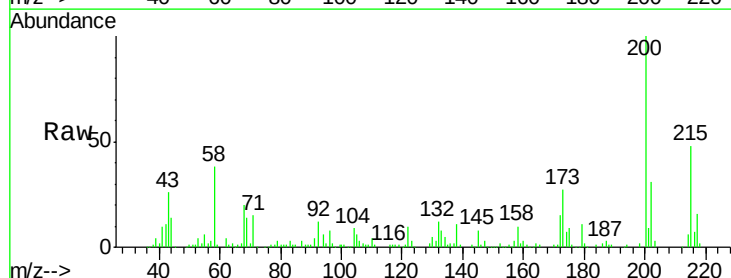


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

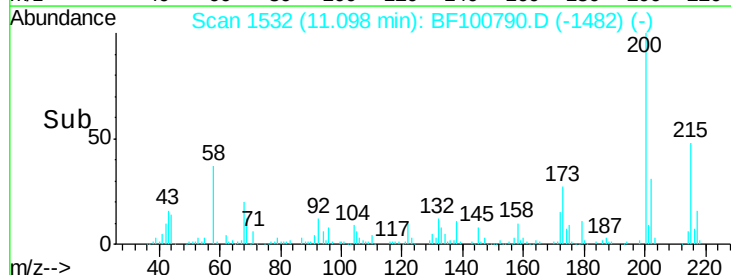
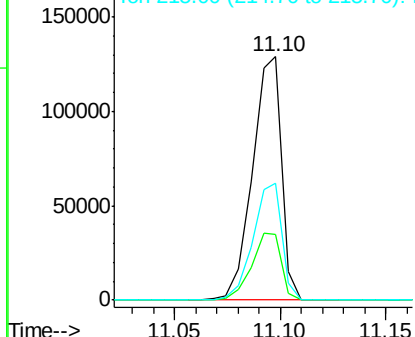


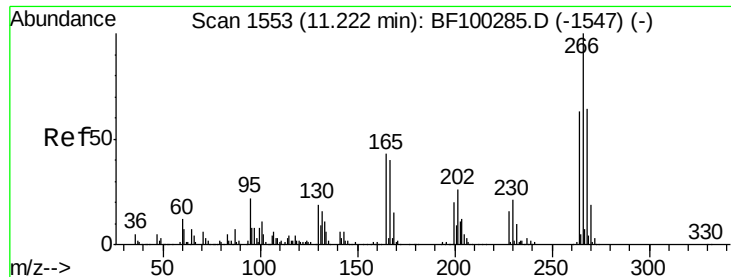
#68  
Atrazine  
Concen: 44.82 ng  
RT: 11.10 min Scan# 1532  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:200 Resp: 123776  
Ion Ratio Lower Upper  
200 100  
173 27.2 8.6 48.6  
215 48.2 25.1 65.1



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

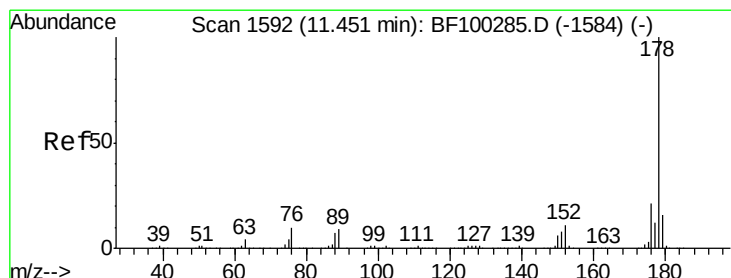
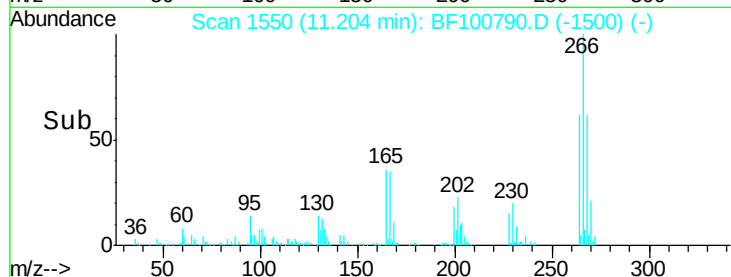
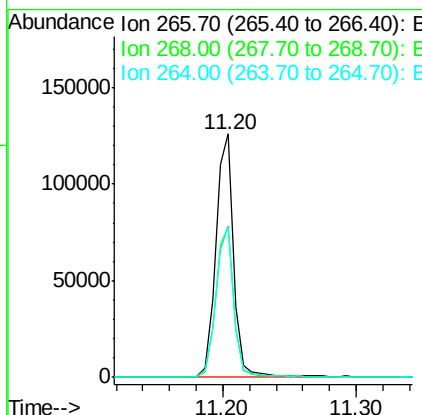
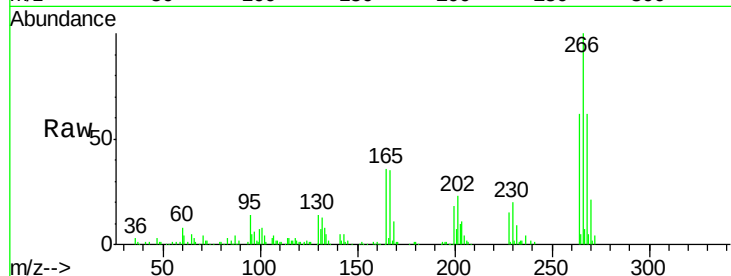




#69  
 Pentachlorophenol  
 Concen: 56.38 ng  
 RT: 11.20 min Scan# 1550  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

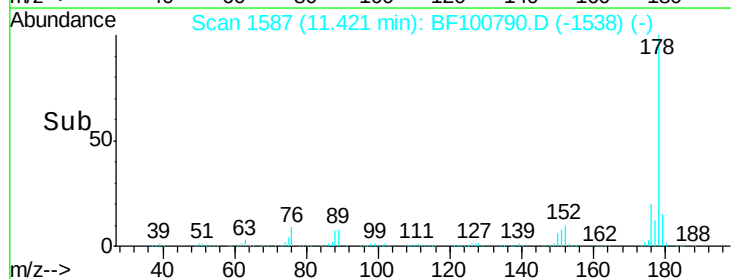
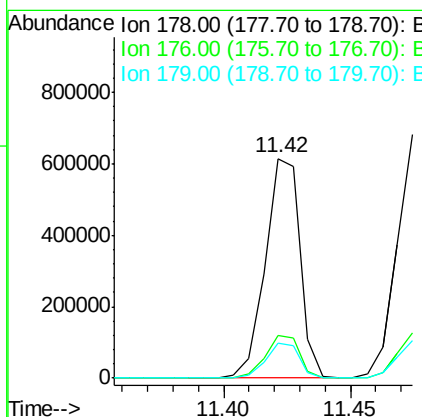
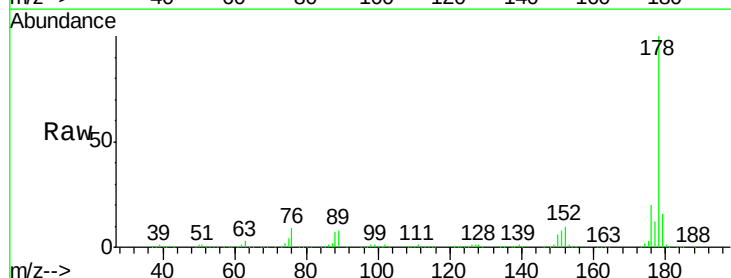
Instrument :  
 BNA\_F  
 ClientSampleId :

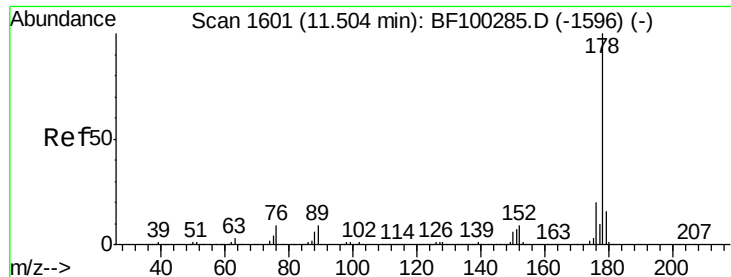
Tot Ion:266 Resp: 118921  
 Ion Ratio Lower Upper  
 266 100  
 268 62.2 51.1 76.7  
 264 61.7 49.5 74.3



#70  
 Phenanthrene  
 Concen: 42.93 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Tgt Ion:178 Resp: 593026  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.8 23.8  
 179 15.6 13.0 19.6

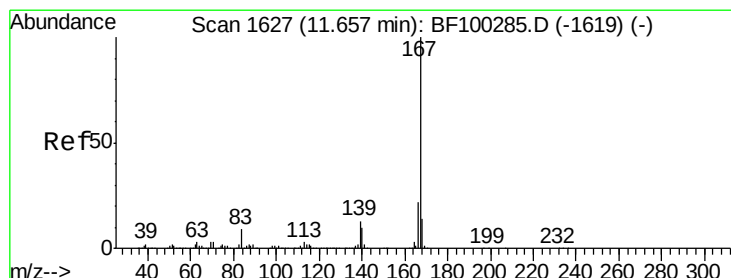
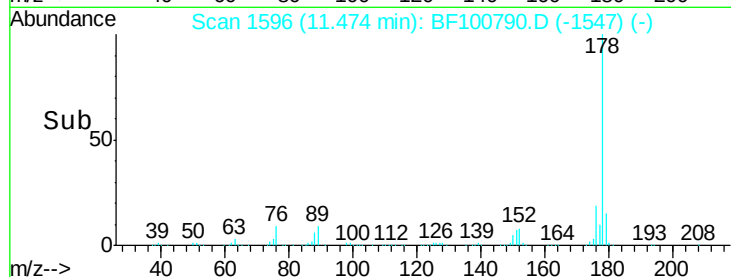
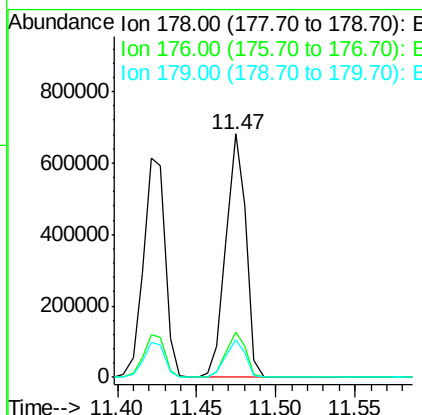
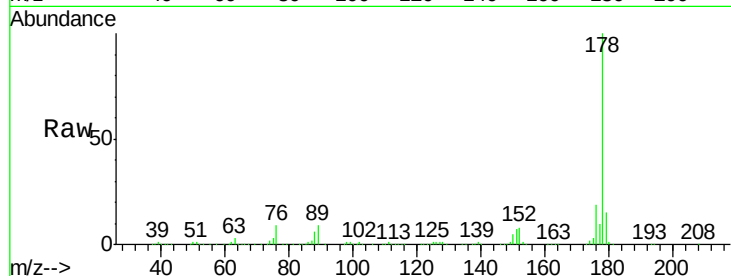




#71  
 Anthracene  
 Concen: 42.58 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

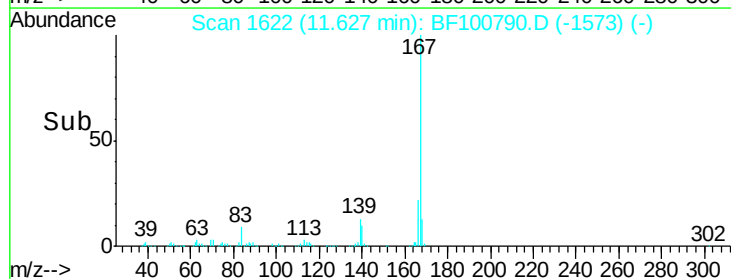
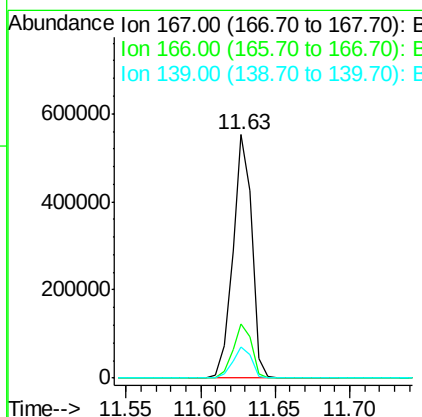
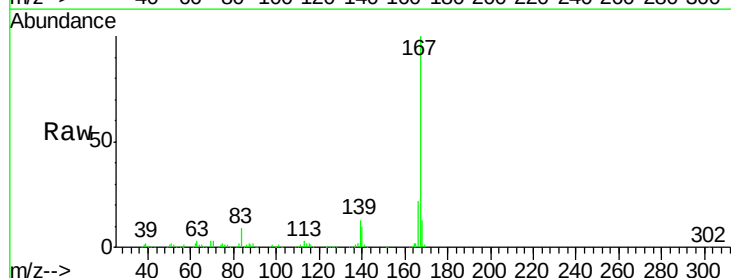
Instrument :  
 BNA\_F  
 ClientSampleId :

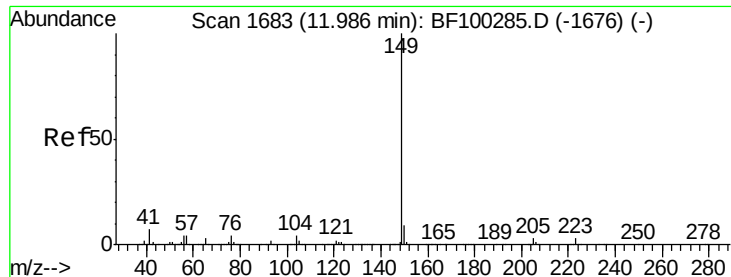
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.4  | 23.2  |
| 179     | 15.4  | 12.6  | 19.0  |



#72  
 Carbazole  
 Concen: 38.22 ng  
 RT: 11.63 min Scan# 1622  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.6  | 26.4  |
| 139     | 12.7  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 45.62 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

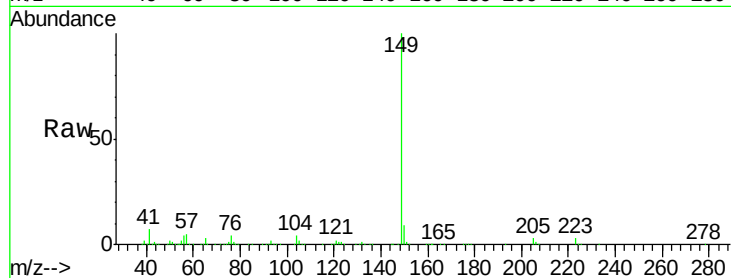
Tot Ion:149 Resp: 690453

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

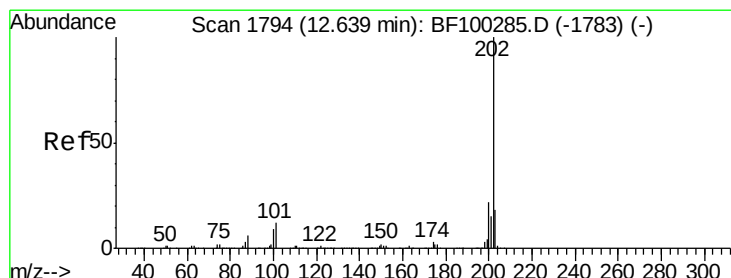
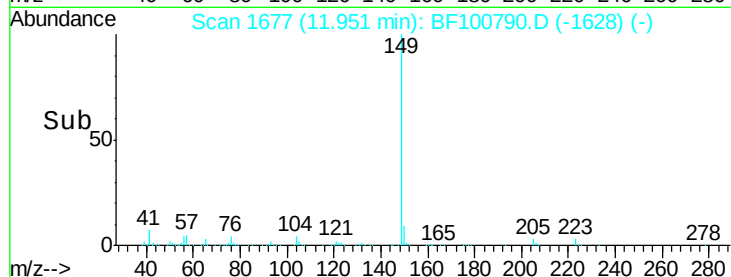
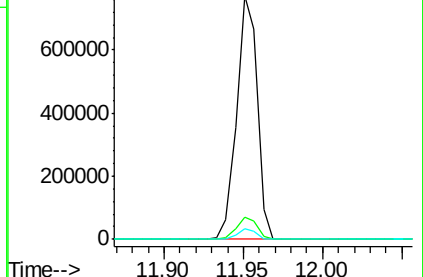
104 4.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.95 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

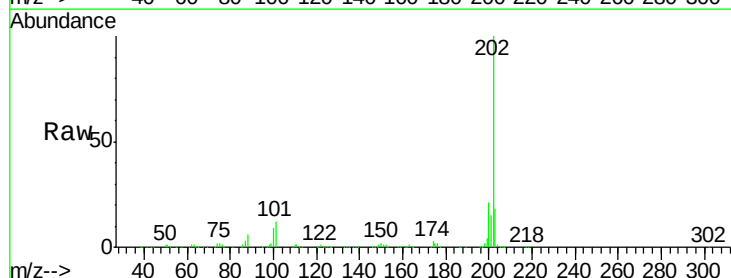
Tgt Ion:202 Resp: 570260

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

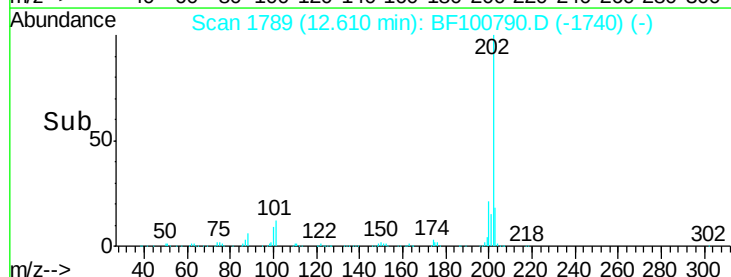
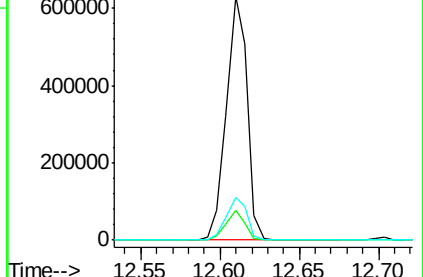
203 17.7 0.0 38.1



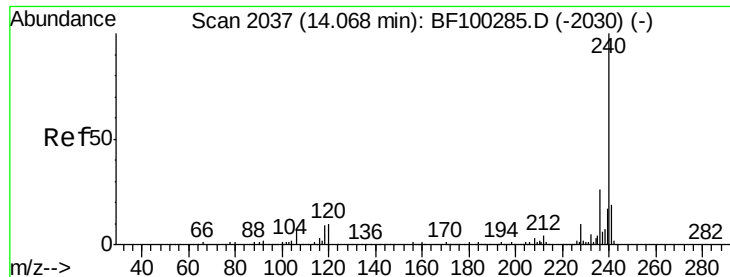
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampled :

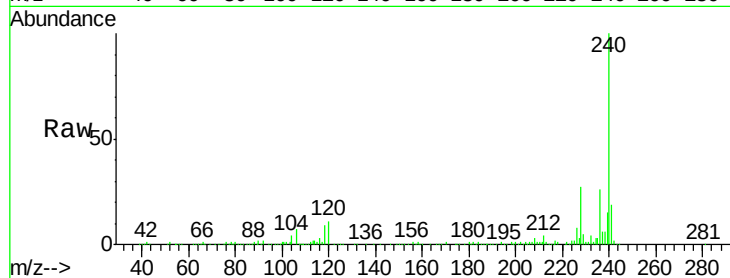
Tot Ion:240 Resp: 165725

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

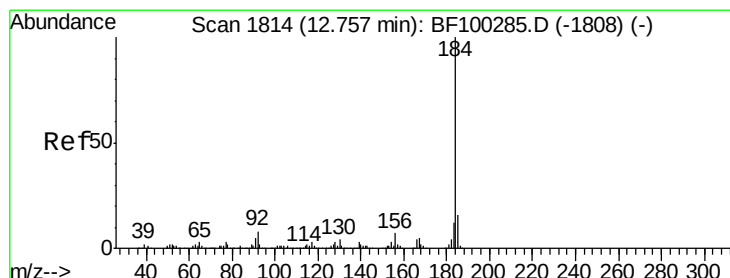
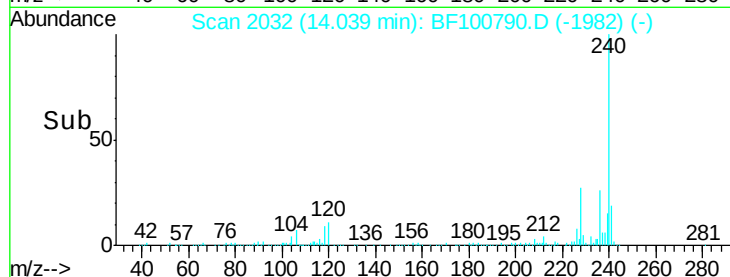
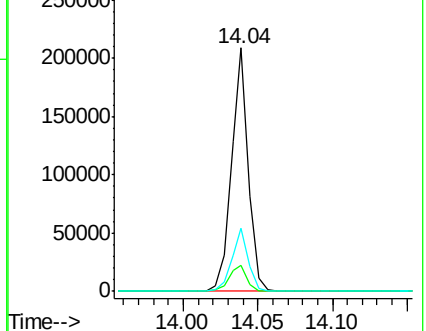
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 26.50 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

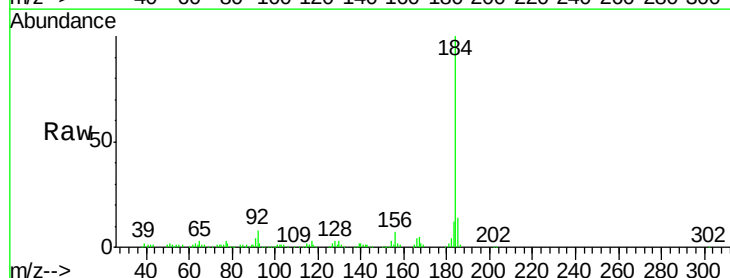
Tgt Ion:184 Resp: 175898

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

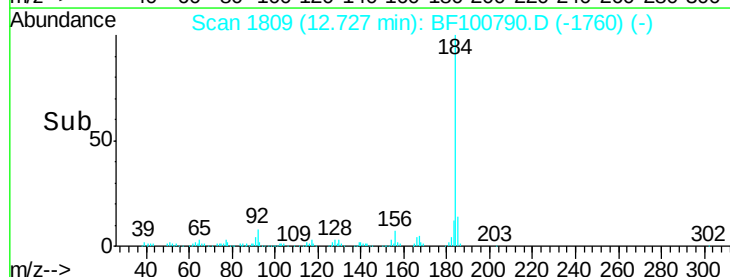
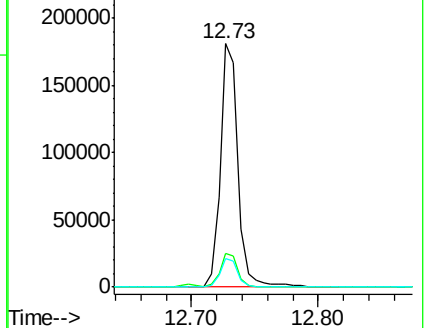
183 11.9 9.3 13.9

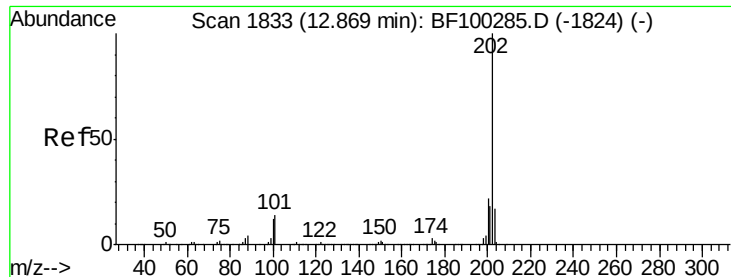


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 47.45 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

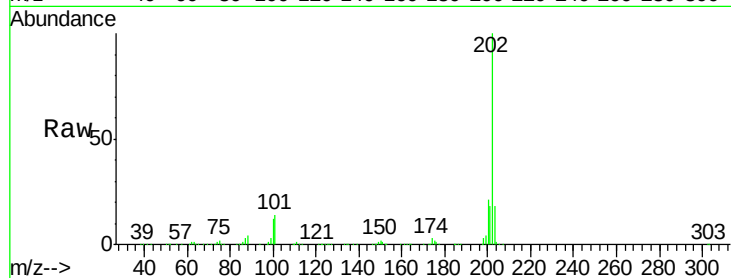
Tot Ion:202 Resp: 560573

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

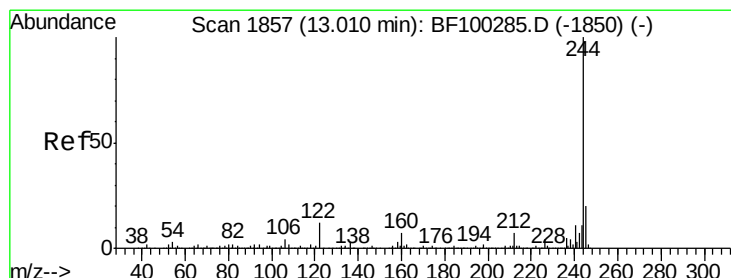
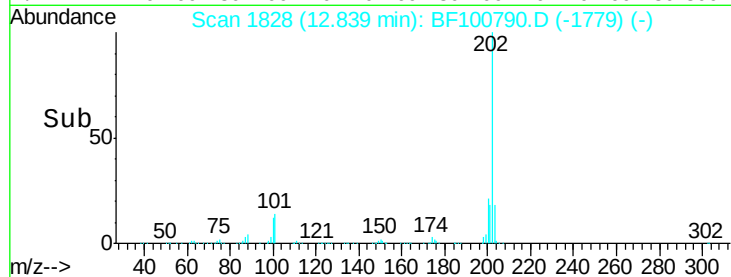
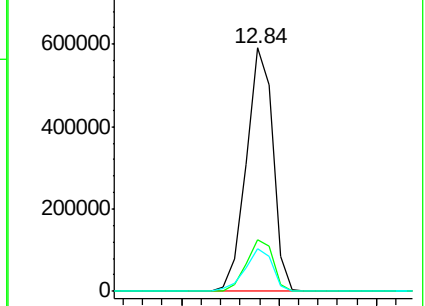
203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.00 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

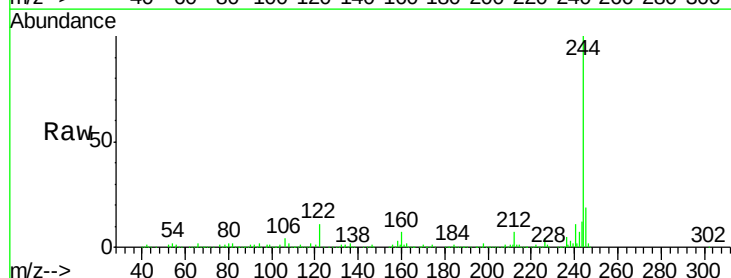
Tgt Ion:244 Resp: 641929

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

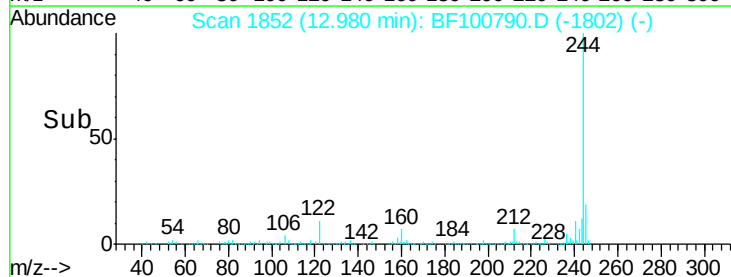
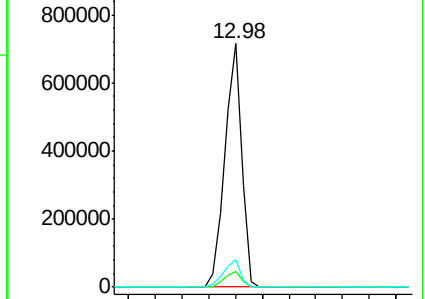
122 11.1 11.0 16.4

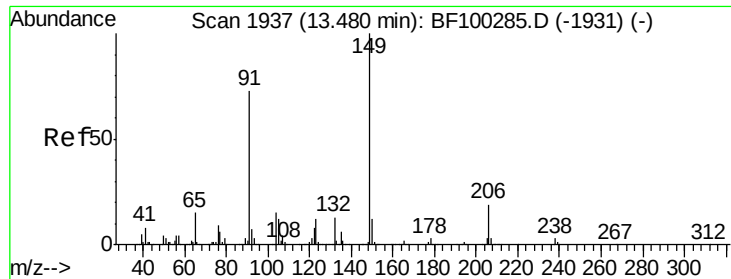


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

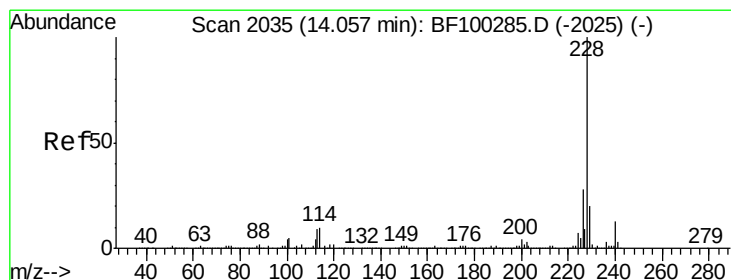
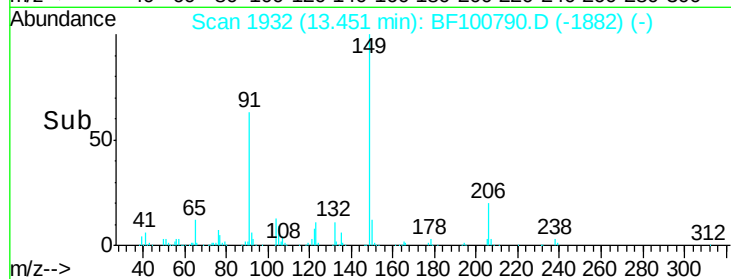
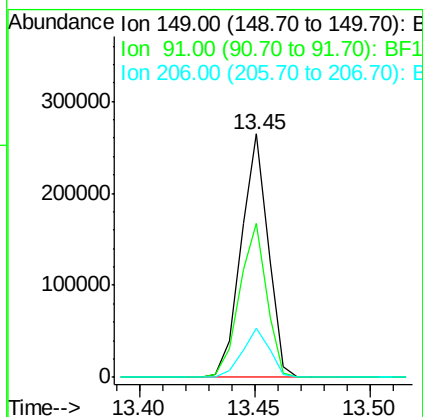
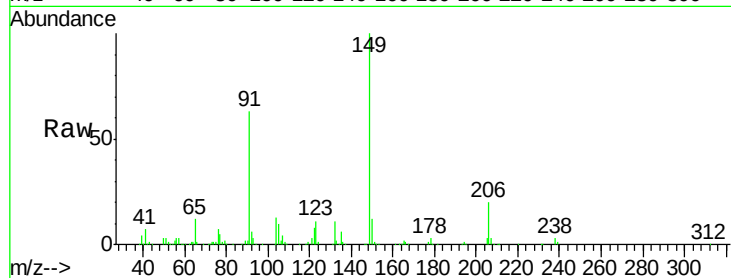




#79  
Butylbenzylphthalate  
Concen: 44.74 ng  
RT: 13.45 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

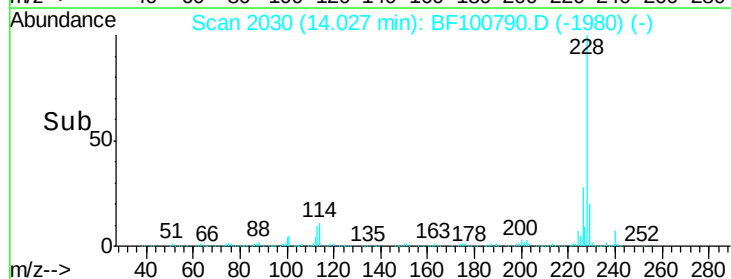
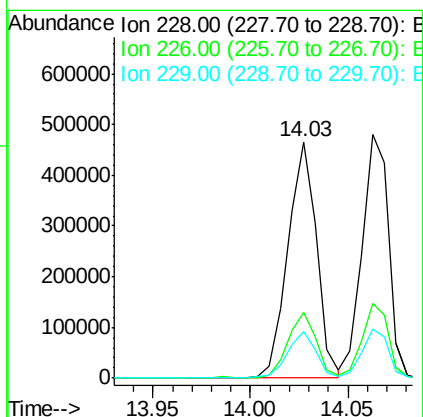
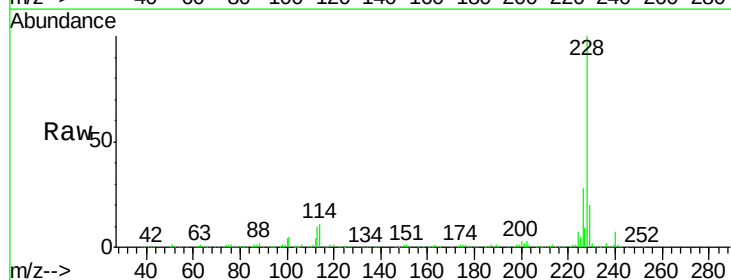
Instrument :  
BNA\_F  
ClientSampleId :

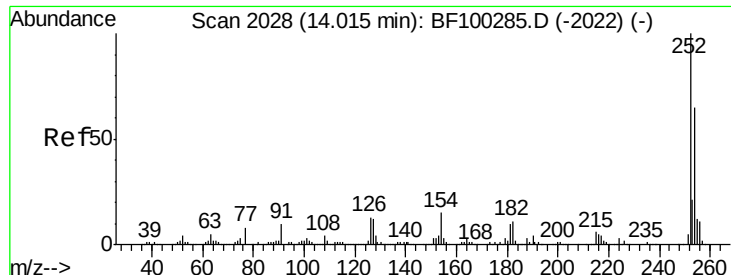
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 63.2  | 56.8  | 85.2  |
| 206     | 20.2  | 14.1  | 21.1  |



#80  
Benzo(a)anthracene  
Concen: 47.46 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 22.6  | 33.8  |
| 229     | 19.7  | 15.8  | 23.6  |

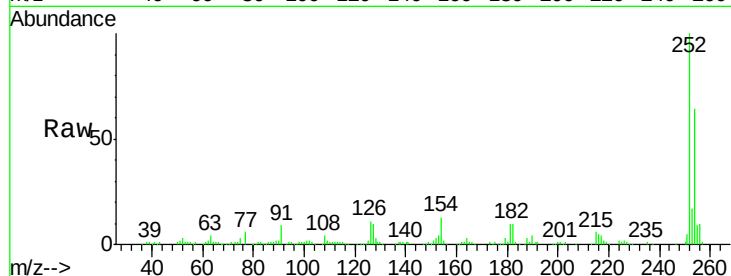




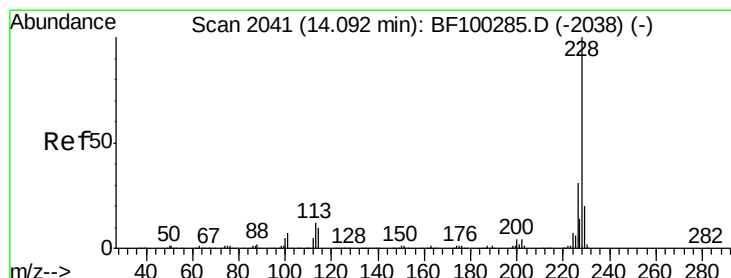
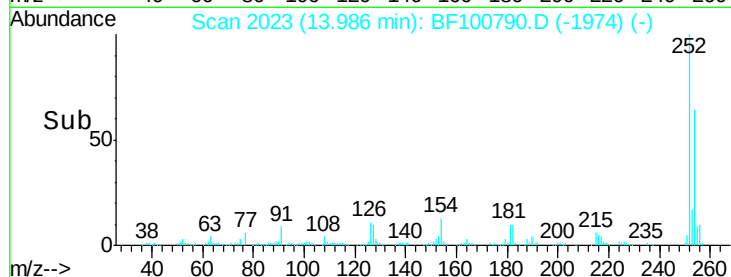
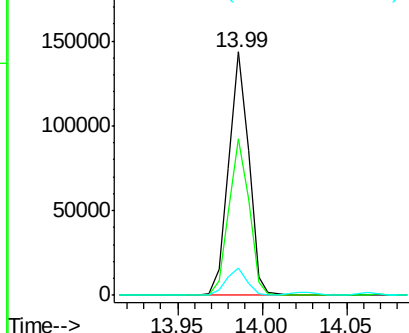
#81  
 3,3'-Dichlorobenzidine  
 Concen: 33.08 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 50.4  | 75.6  |
| 126     | 11.4  | 11.3  | 16.9  |

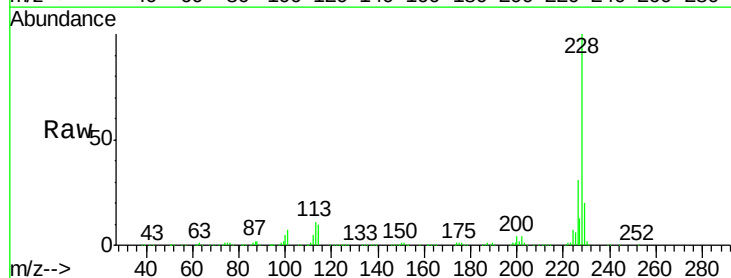


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

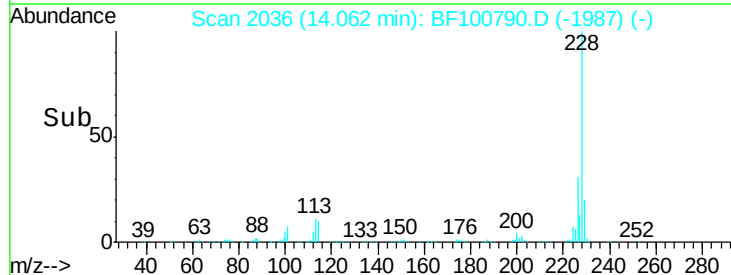
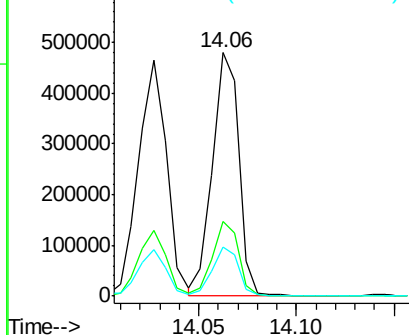


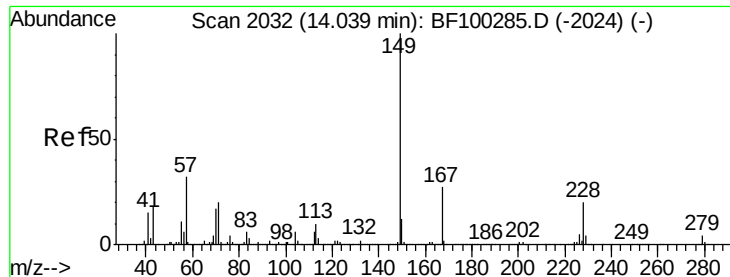
#82  
 Chrysene  
 Concen: 46.45 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 25.0  | 37.6  |
| 229     | 19.9  | 16.2  | 24.4  |



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.50 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

Instrument :

BNA\_F

ClientSampleId :

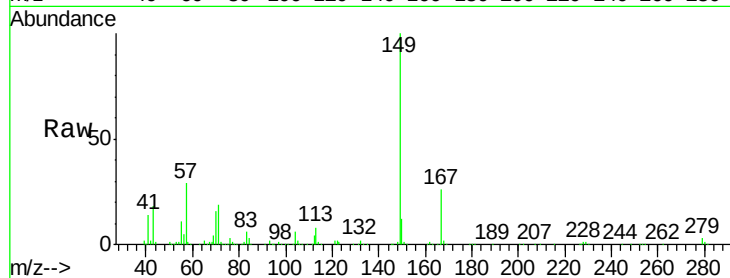
Tot Ion:149 Resp: 288325

Ion Ratio Lower Upper

149 100

167 26.1 21.3 31.9

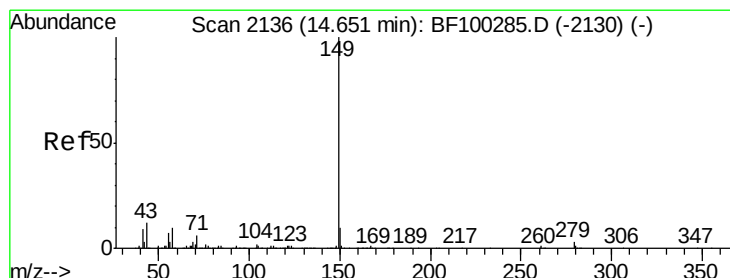
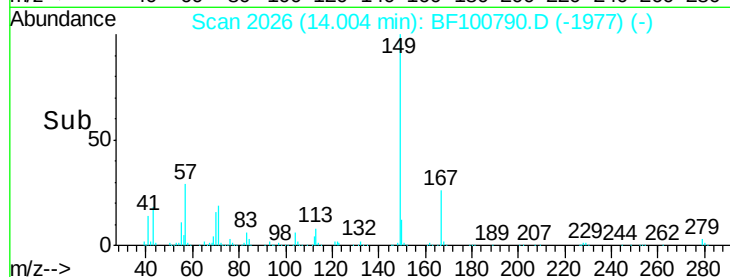
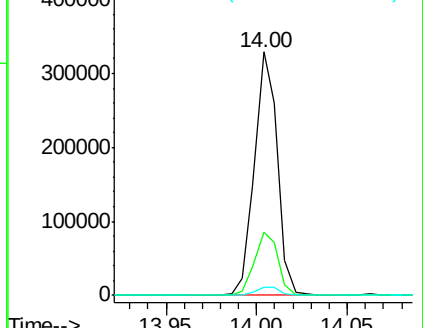
279 3.3 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44.64 ng

RT: 14.62 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BF100790.D

Acq: 21 Nov 2017 19:40

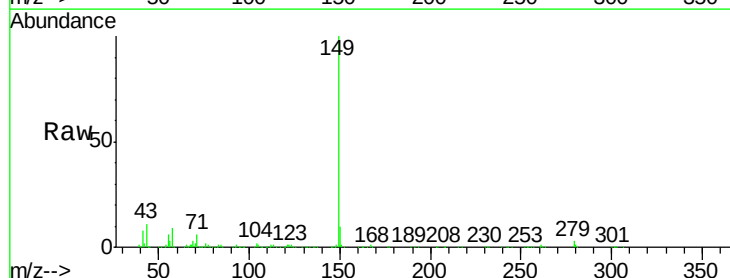
Tgt Ion:149 Resp: 485897

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

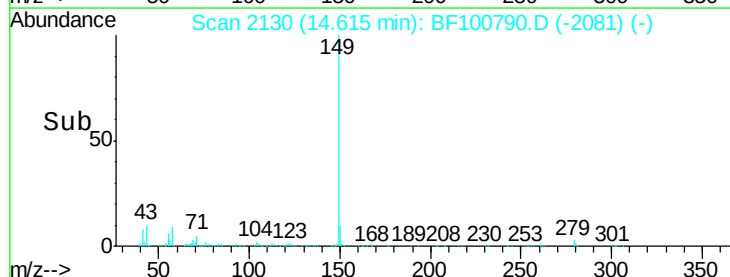
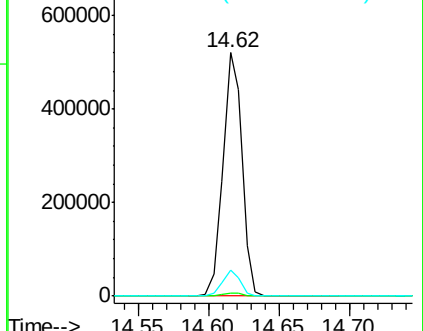
43 9.8 8.4 12.6

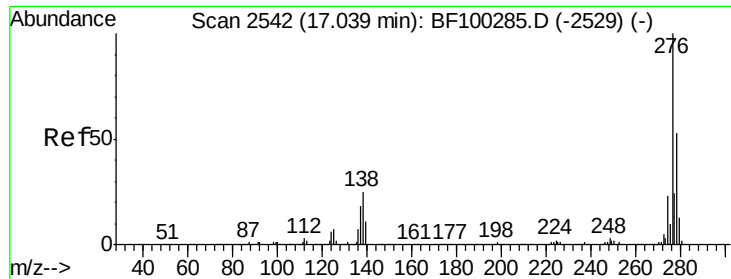


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

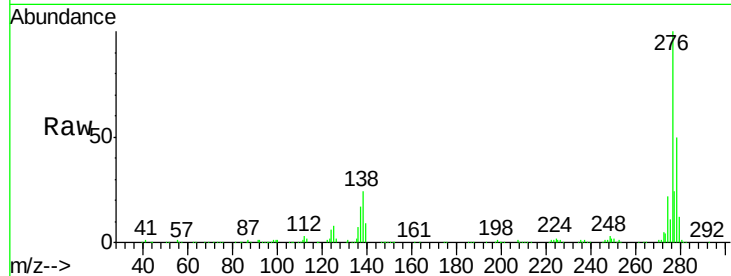




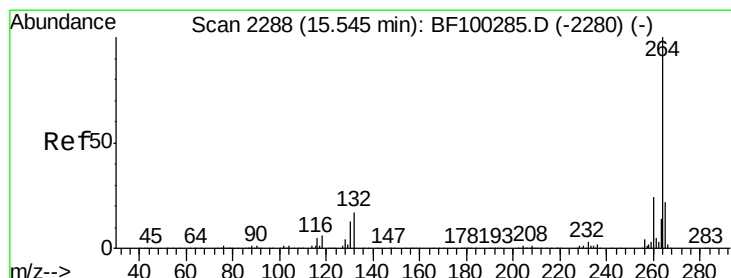
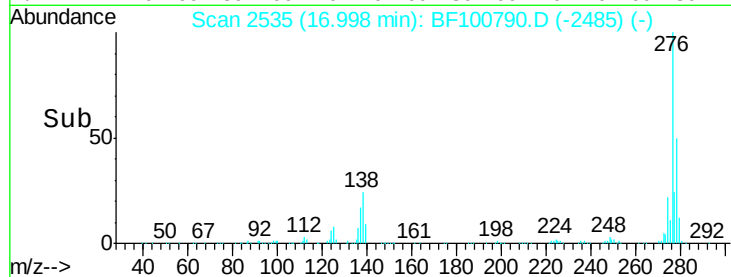
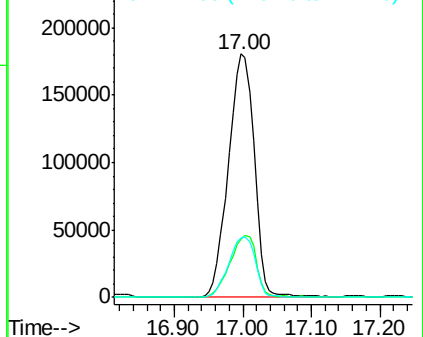
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 60.67 ng  
RT: 17.00 min Scan# 2535  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:276 Resp: 474231  
Ion Ratio Lower Upper  
276 100  
138 25.7 25.0 37.6  
277 25.7 20.1 30.1

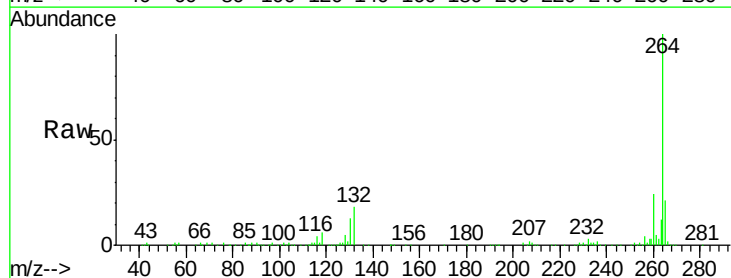


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

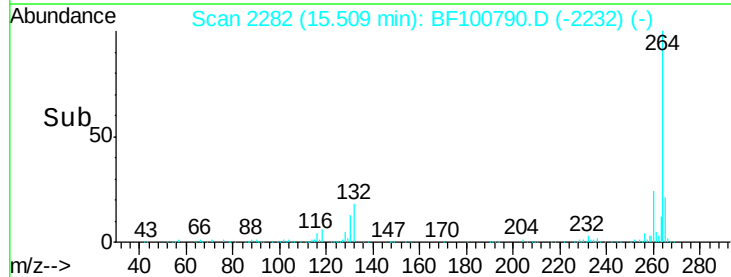
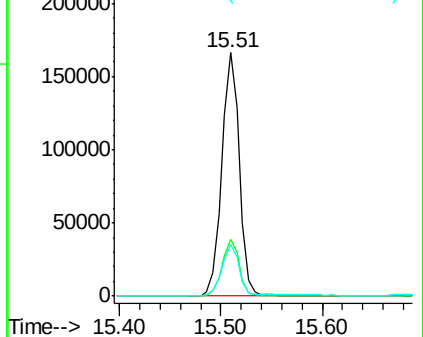


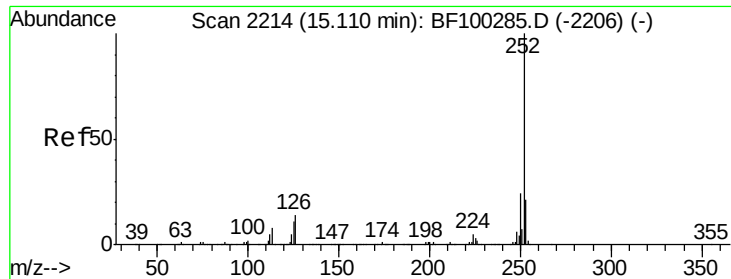
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:264 Resp: 199487  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.2 28.8  
265 21.2 17.5 26.3



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

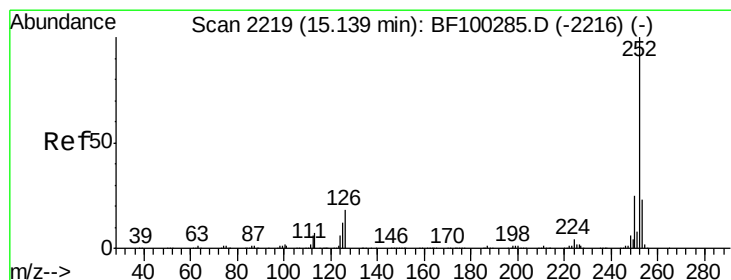
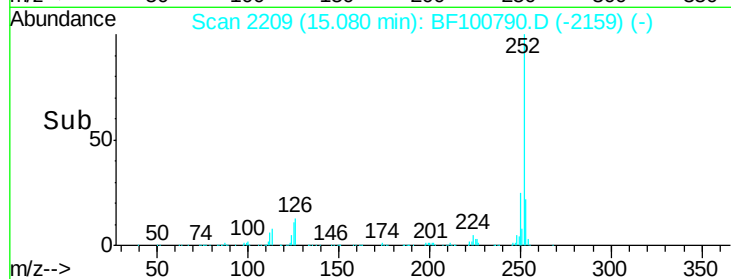
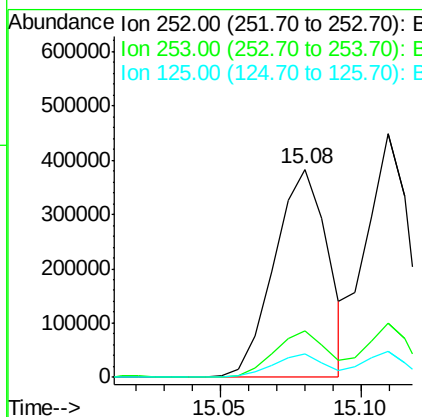
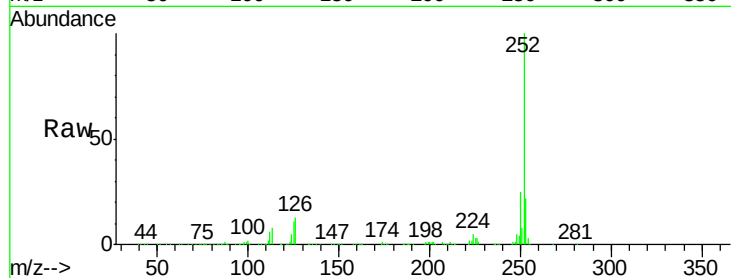




#87  
Benzo(b)fluoranthene  
Concen: 42.67 ng  
RT: 15.08 min Scan# 2209  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

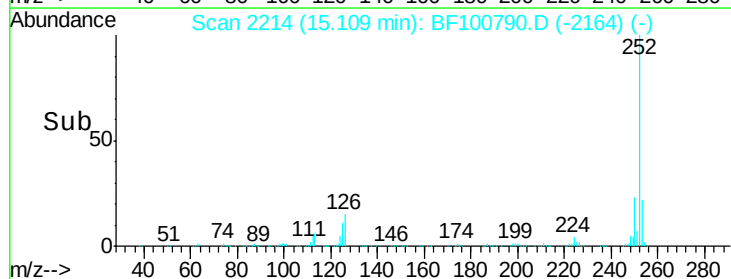
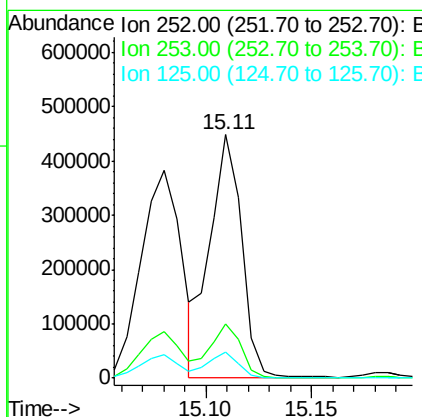
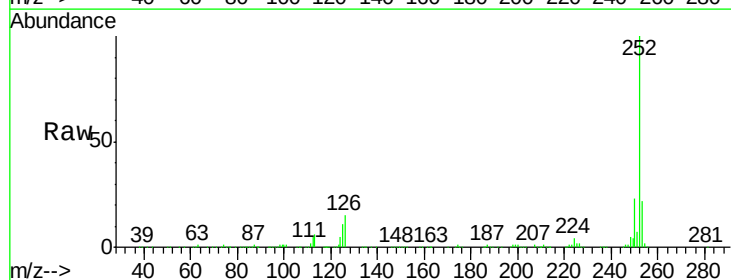
Instrument :  
BNA\_F  
ClientSampleId :

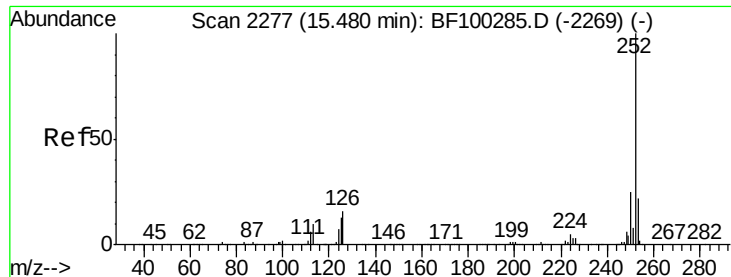
Tot Ion:252 Resp: 504340  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.0 25.6  
125 11.0 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 41.74 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

Tgt Ion:252 Resp: 466115  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 10.7 10.2 15.2

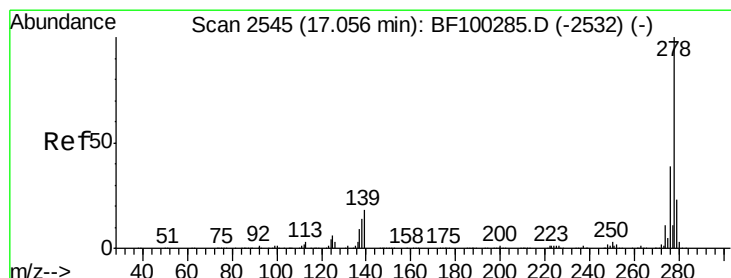
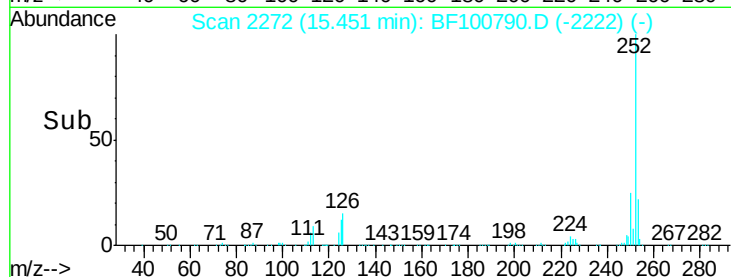
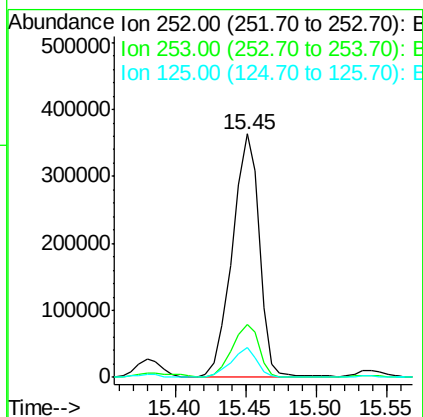
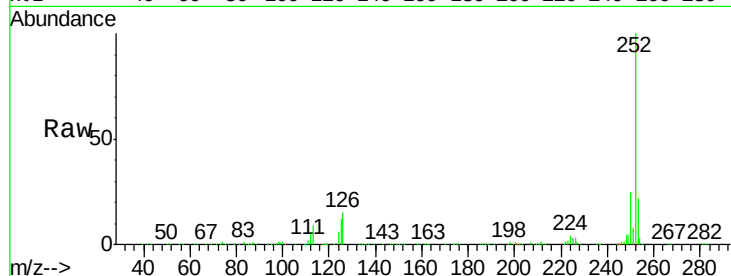




#89  
Benzo(a)pyrene  
Concen: 45.99 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

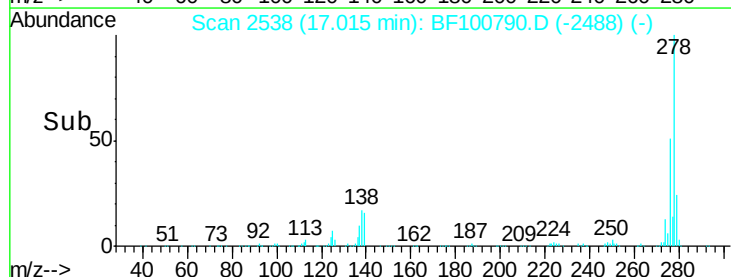
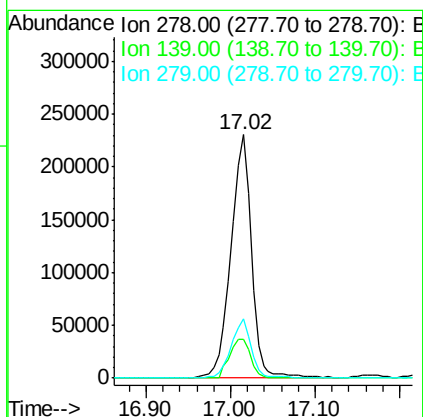
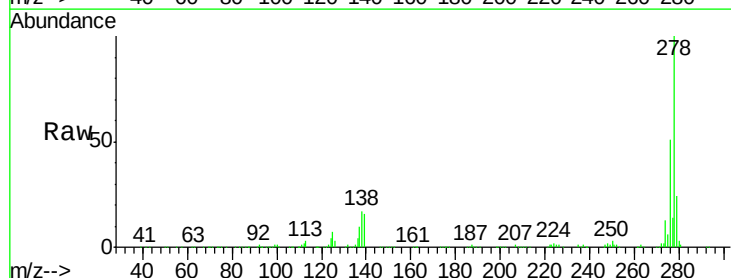
Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.1  | 25.7  |
| 125     | 12.1  | 9.8   | 14.6  |

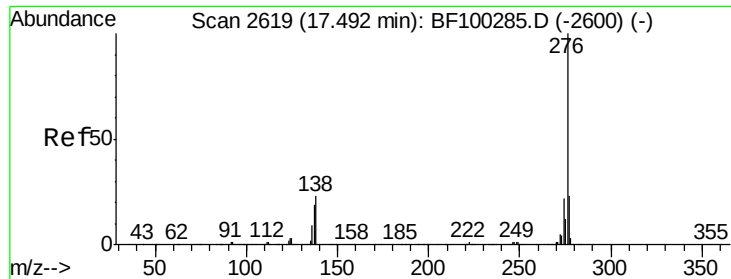


#90  
Dibenzo(a,h)anthracene  
Concen: 44.25 ng  
RT: 17.02 min Scan# 2538  
Delta R.T. -0.01 min  
Lab File: BF100790.D  
Acq: 21 Nov 2017 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.7  | 15.9  | 23.9# |
| 279     | 24.1  | 19.0  | 28.4  |



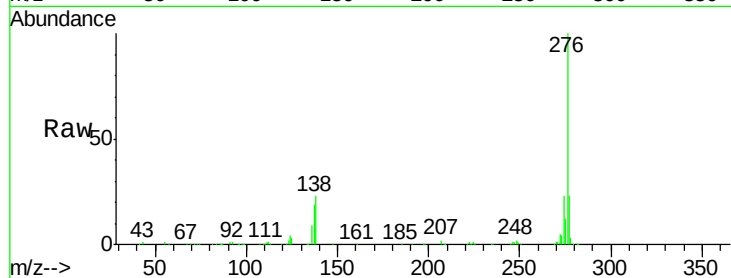




#91  
 Benzo(a,h,i)perylene  
 Concen: 44.04 ng  
 RT: 17.45 min Scan# 2612  
 Delta R.T. -0.01 min  
 Lab File: BF100790.D  
 Acq: 21 Nov 2017 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 17.9  | 26.9  |
| 138     | 22.6  | 21.8  | 32.8  |



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

