

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\  
 Data File : BF095008.D  
 Acq On : 9 May 2017 6:46  
 Operator : SJ/MA  
 Sample : PB98739BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 09 07:46:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 100559   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 9.74  | 136  | 372767   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 12.56 | 164  | 170978   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 14.97 | 188  | 277228   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 18.64 | 240  | 206562   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 20.30 | 264  | 141576   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.67  | 112 | 746023  | 123.69 | ng | 0.00  |
| 7) Phenol-d6                | 7.27  | 99  | 899449  | 124.29 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 8.62  | 82  | 475987  | 80.52  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 13.87 | 330 | 169094  | 120.76 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 11.51 | 172 | 1032058 | 86.88  | ng | -0.02 |
| 78) Terphenyl-d14           | 17.29 | 244 | 732646  | 78.12  | ng | -0.02 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.14  | 88  | 88369  | 29.87  | ng | 97   |
| 3) Pyridine                    | 2.81  | 79  | 224289 | 32.72  | ng | 98   |
| 4) n-Nitrosodimethylamine      | 2.74  | 42  | 105408 | 36.89  | ng | 82   |
| 6) Aniline                     | 7.22  | 93  | 226970 | 24.84  | ng | 95   |
| 8) 2-Chlorophenol              | 7.41  | 128 | 280429 | 40.85  | ng | 95   |
| 9) Benzaldehyde                | 7.05  | 77  | 36278  | 8.21   | ng | 99   |
| 10) Phenol                     | 7.28  | 94  | 318752 | 41.80  | ng | 86   |
| 11) bis(2-Chloroethyl)ether    | 7.35  | 93  | 248149 | 39.42  | ng | 95   |
| 12) 1,3-Dichlorobenzene        | 7.62  | 146 | 304480 | 39.10  | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 7.74  | 146 | 306297 | 38.78  | ng | 97   |
| 14) 1,2-Dichlorobenzene        | 7.98  | 146 | 261033 | 35.41  | ng | 96   |
| 15) Benzyl Alcohol             | 8.00  | 79  | 189763 | 40.77  | ng | 96   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 292213 | 32.79  | ng | 50   |
| 17) 2-Methylphenol             | 8.21  | 107 | 204211 | 36.35  | ng | # 90 |
| 18) Hexachloroethane           | 8.50  | 117 | 85354  | 31.90  | ng | # 85 |
| 19) n-Nitroso-di-n-propylamine | 8.42  | 70  | 175047 | 35.76  | ng | 93   |
| 20) 3+4-Methylphenols          | 8.47  | 107 | 278605 | 36.49  | ng | # 59 |
| 22) Acetophenone               | 8.39  | 105 | 353951 | 39.58  | ng | # 84 |
| 24) Nitrobenzene               | 8.65  | 77  | 248093 | 40.04  | ng | 94   |
| 25) Isophorone                 | 9.04  | 82  | 444510 | 42.11  | ng | 95   |
| 26) 2-Nitrophenol              | 9.15  | 139 | 137744 | 41.20  | ng | 98   |
| 27) 2,4-Dimethylphenol         | 9.29  | 122 | 228461 | 42.26  | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 9.41  | 93  | 291515 | 39.92  | ng | 99   |
| 29) 2,4-Dichlorophenol         | 9.57  | 162 | 221911 | 43.48  | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 9.66  | 180 | 222652 | 40.72  | ng | 99   |
| 31) Naphthalene                | 9.77  | 128 | 749463 | 40.00  | ng | 100  |
| 32) Benzoic acid               | 9.60  | 122 | 120648 | 35.48  | ng | 90   |
| 33) 4-Chloroaniline            | 9.92  | 127 | 71037  | 10.17  | ng | # 92 |
| 34) Hexachlorobutadiene        | 9.99  | 225 | 113340 | 39.28  | ng | 99   |
| 35) Caprolactam                | 10.52 | 113 | 40974  | 26.73  | ng | 89   |
| 36) 4-Chloro-3-methylphenol    | 10.77 | 107 | 232029 | 42.52  | ng | 91   |
| 37) 2-Methylnaphthalene        | 10.90 | 142 | 533386 | 43.38  | ng | 98   |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.17 | 216 | 213168 | 40.54  | ng | 98   |
| 40) Hexachlorocyclopentadiene  | 11.15 | 237 | 66795  | 33.99  | ng | 98   |

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 ALS Vial : 25 Sample Multiplier: 1

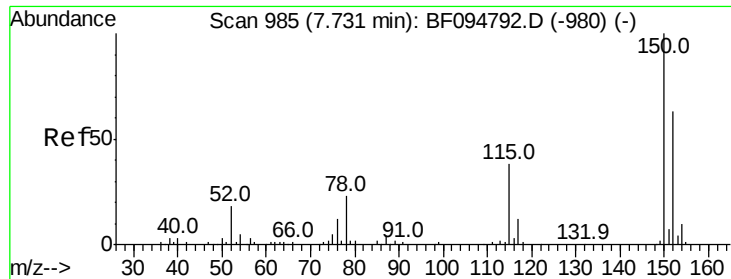
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 09 07:46:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.39 | 196  | 155968   | 44.43 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 11.48 | 196  | 156884   | 41.58 | nq #  | 92       |
| 45) 1,1'-Biphenyl              | 11.66 | 154  | 615600   | 42.76 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.68 | 162  | 485144   | 41.74 | nq    | 96       |
| 47) 2-Nitroaniline             | 11.89 | 65   | 138530   | 43.54 | nq #  | 79       |
| 48) Acenaphthylene             | 12.34 | 152  | 751286   | 41.27 | nq    | 98       |
| 49) Dimethylphthalate          | 12.21 | 163  | 586752   | 41.80 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.30 | 165  | 120304   | 42.01 | nq    | 92       |
| 51) Acenaphthene               | 12.62 | 154  | 461281   | 42.42 | nq    | 99       |
| 52) 3-Nitroaniline             | 12.57 | 138  | 63473    | 20.65 | nq    | 88       |
| 53) 2,4-Dinitrophenol          | 12.77 | 184  | 45604    | 32.90 | nq #  | 72       |
| 54) Dibenzofuran               | 12.91 | 168  | 647568   | 43.03 | nq    | 97       |
| 55) 4-Nitrophenol              | 12.95 | 139  | 144881   | 78.48 | nq #  | 72       |
| 56) 2,4-Dinitrotoluene         | 12.96 | 165  | 150345   | 40.86 | nq #  | 84       |
| 57) Fluorene                   | 13.46 | 166  | 525251   | 40.14 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.15 | 232  | 111997   | 47.16 | nq #  | 92       |
| 59) Diethylphthalate           | 13.36 | 149  | 526622   | 39.14 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 13.48 | 204  | 234972   | 40.86 | nq    | 91       |
| 61) 4-Nitroaniline             | 13.57 | 138  | 102792   | 36.43 | nq    | 97       |
| 62) Azobenzene                 | 13.74 | 77   | 501794   | 46.42 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 13.63 | 198  | 37132    | 19.98 | nq #  | 71       |
| 65) n-Nitrosodiphenylamine     | 13.69 | 169  | 469861   | 46.70 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.27 | 248  | 129017   | 44.05 | nq    | 96       |
| 67) Hexachlorobenzene          | 14.35 | 284  | 115497   | 38.48 | nq #  | 88       |
| 68) Atrazine                   | 14.61 | 200  | 125983   | 44.35 | nq    | 98       |
| 69) Pentachlorophenol          | 14.71 | 266  | 99522    | 73.82 | nq    | 95       |
| 70) Phenanthrene               | 15.00 | 178  | 684244   | 42.96 | nq    | 97       |
| 71) Anthracene                 | 15.09 | 178  | 700704   | 43.07 | nq    | 97       |
| 72) Carbazole                  | 15.37 | 167  | 647423   | 43.73 | nq    | 97       |
| 73) Di-n-butylphthalate        | 15.94 | 149  | 809544   | 43.85 | nq    | 99       |
| 74) Fluoranthene               | 16.75 | 202  | 621564   | 38.04 | nq    | 98       |
| 76) Benzidine                  | 16.97 | 184  | 348076   | 60.34 | nq #  | 93       |
| 77) Pyrene                     | 17.05 | 202  | 626522   | 40.56 | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.95 | 149  | 307836   | 42.84 | nq #  | 87       |
| 80) Benzo(a)anthracene         | 18.62 | 228  | 507844   | 42.24 | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 18.60 | 252  | 163760   | 39.44 | nq #  | 95       |
| 82) Chrysene                   | 18.67 | 228  | 481954   | 41.46 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.69 | 149  | 443958   | 43.36 | nq #  | 99       |
| 84) Di-n-octyl phthalate       | 19.47 | 149  | 677170   | 40.34 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.59 | 276  | 366228   | 38.80 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.89 | 252  | 439557   | 50.25 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 19.92 | 252  | 447889   | 53.08 | nq #  | 94       |
| 89) Benzo(a)pyrene             | 20.24 | 252  | 364158   | 45.11 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 21.59 | 278  | 308333   | 46.25 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 21.96 | 276  | 307739   | 47.04 | nq    | 98       |

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



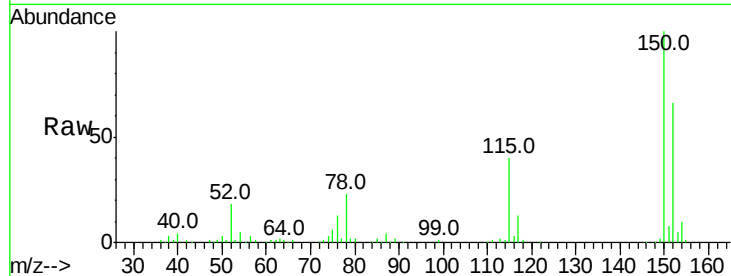


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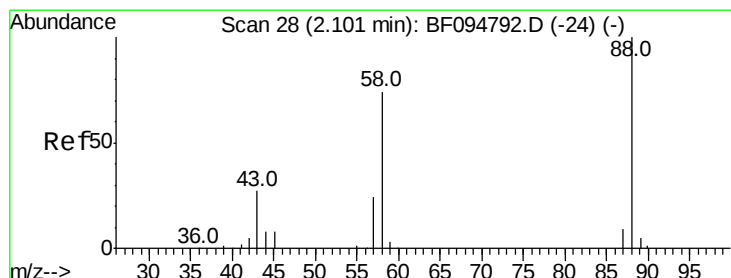
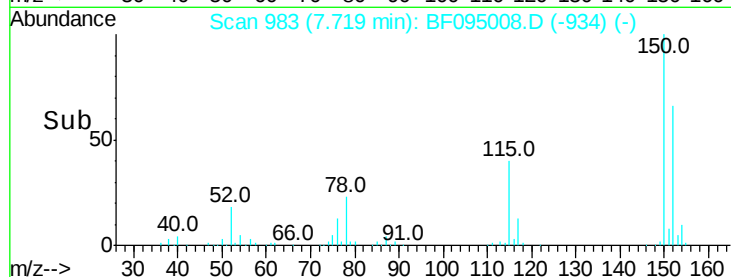
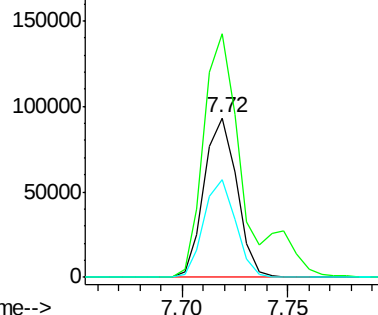
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 100559  
Ion Ratio Lower Upper  
152 100  
150 152.7 126.2 189.2  
115 61.4 52.2 78.2



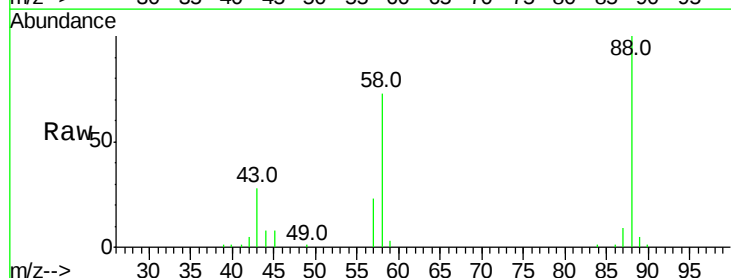
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



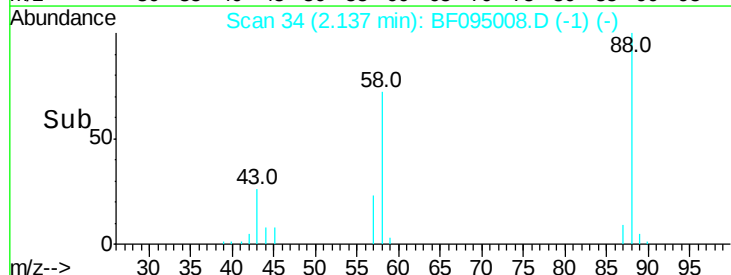
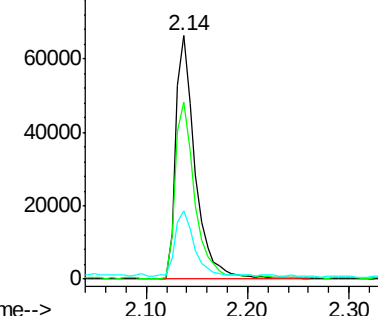
#2

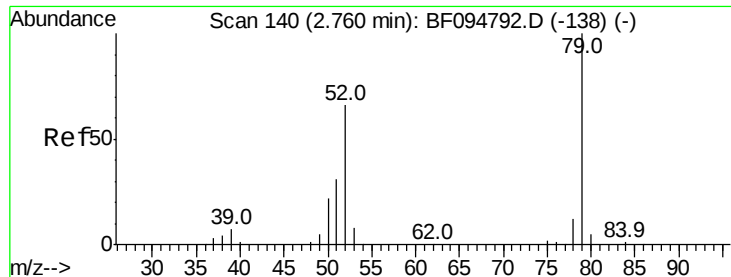
1,4-Dioxane  
Concen: 29.87 ng  
RT: 2.14 min Scan# 34  
Delta R.T. 0.04 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion: 88 Resp: 88369  
Ion Ratio Lower Upper  
88 100  
58 74.8 61.4 92.0  
43 26.6 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 32.72 ng

RT: 2.81 min Scan# 149

Delta R.T. 0.05 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

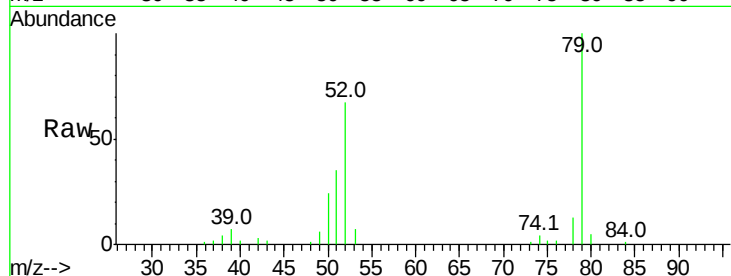
Tot Ion: 79 Resp: 224289

Ion Ratio Lower Upper

79 100

52 66.5 54.8 82.2

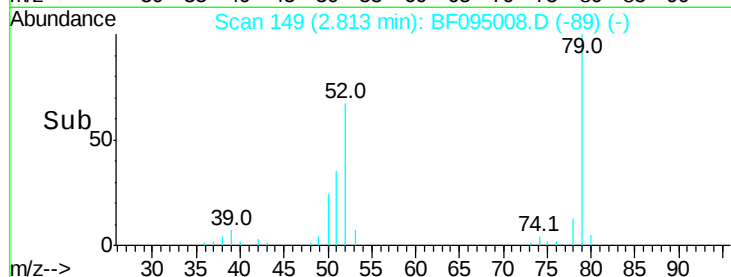
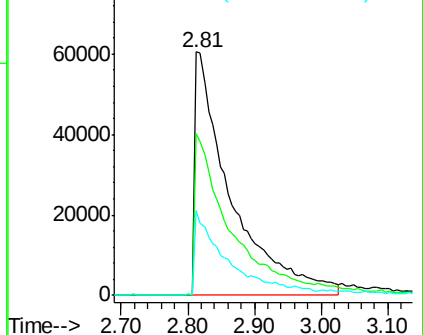
51 34.9 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 36.89 ng

RT: 2.74 min Scan# 136

Delta R.T. 0.04 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

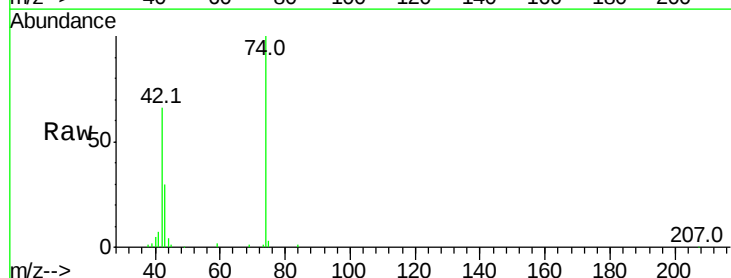
Tgt Ion: 42 Resp: 105408

Ion Ratio Lower Upper

42 100

74 152.4 103.9 155.9

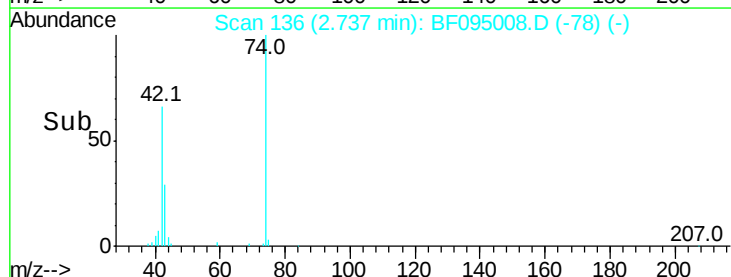
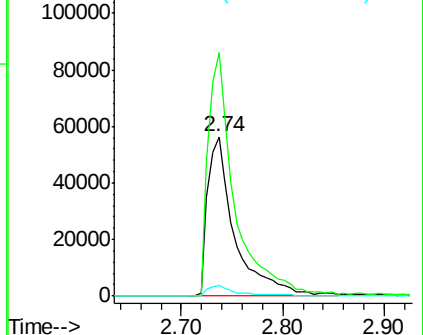
44 6.6 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 123.69 ng

RT: 5.67 min Scan# 635

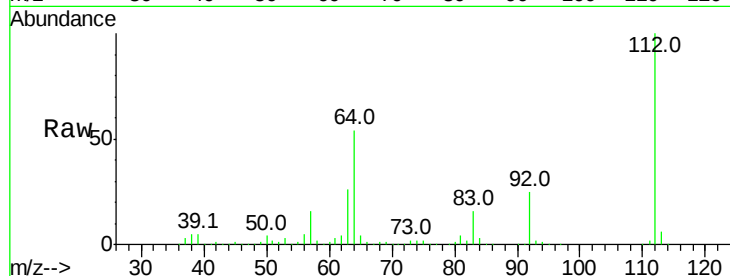
Delta R.T. -0.01 min

Lab File: BF095008.D

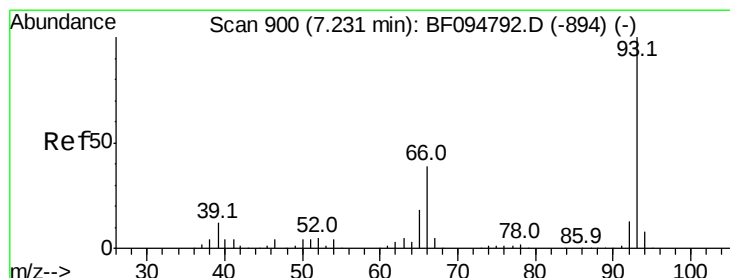
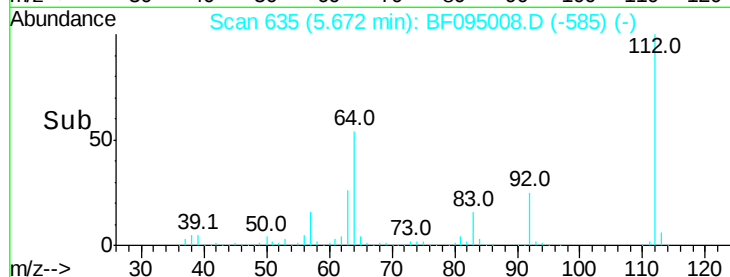
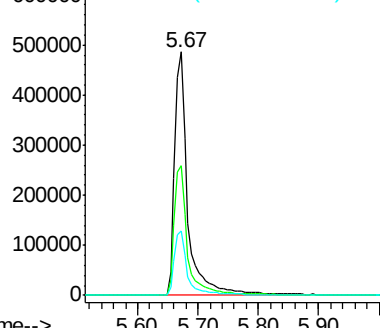
Acq: 9 May 2017 6:46

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 746023 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 53.5  | 46.0  | 69.0   |
| 63       | 26.3  | 23.4  | 35.0   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 24.84 ng

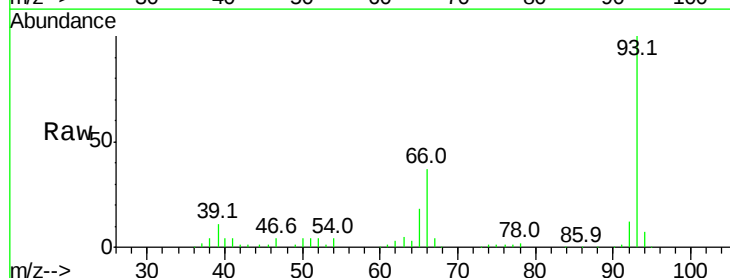
RT: 7.22 min Scan# 898

Delta R.T. -0.01 min

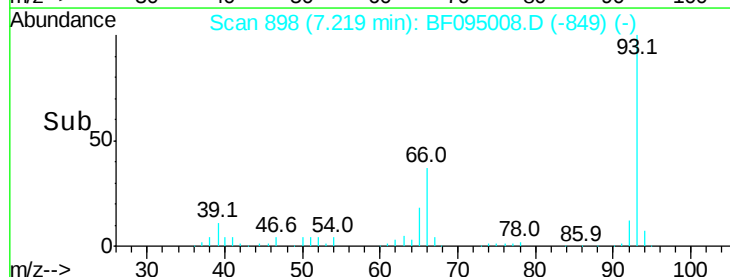
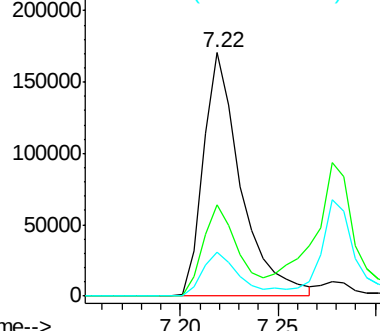
Lab File: BF095008.D

Acq: 9 May 2017 6:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 226970 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 37.3  | 32.9  | 49.3   |
| 65       | 18.2  | 16.0  | 24.0   |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 124.29 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

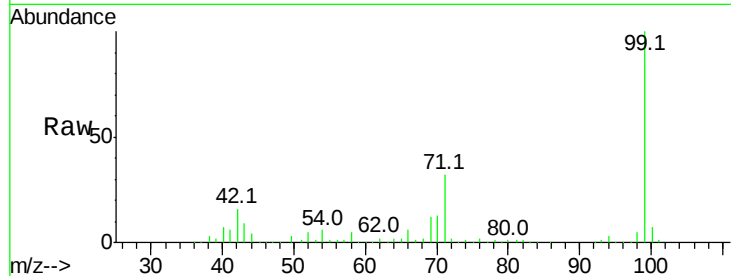
Tot Ion: 99 Resp: 899449

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

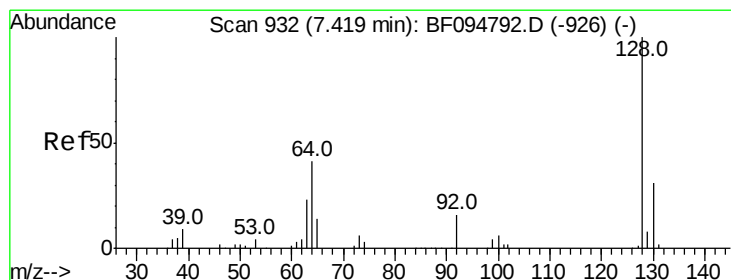
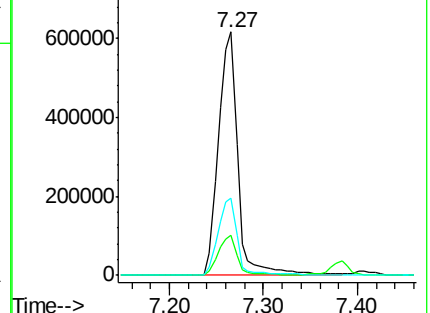
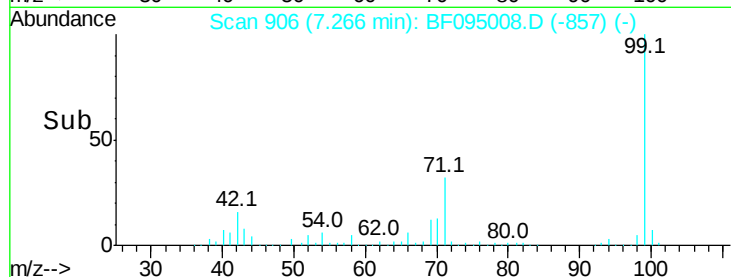
71 31.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.85 ng

RT: 7.41 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

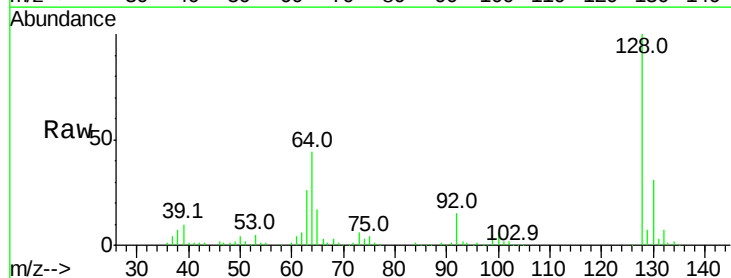
Tgt Ion: 128 Resp: 280429

Ion Ratio Lower Upper

128 100

130 31.1 12.9 52.9

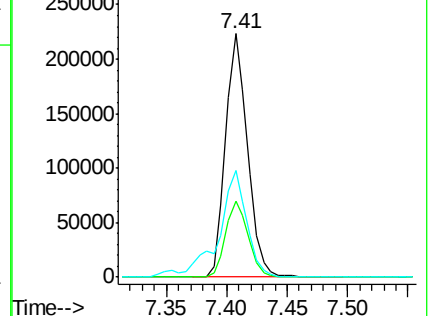
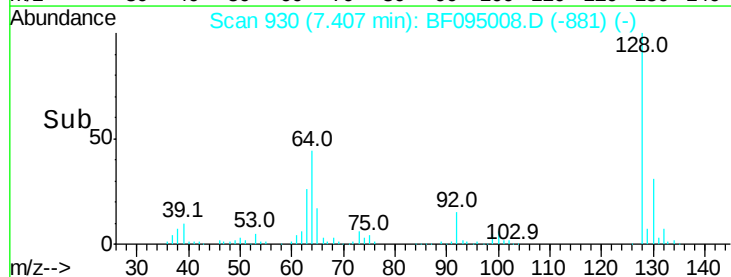
64 44.0 28.4 68.4

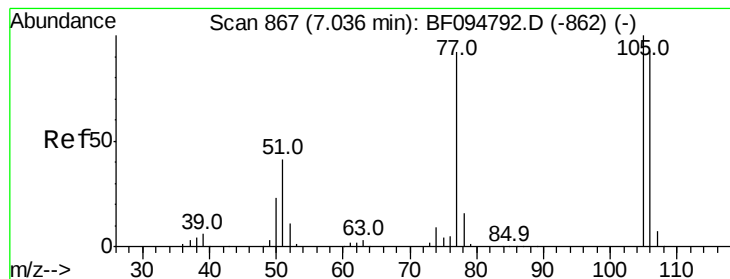


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.21 ng

RT: 7.05 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

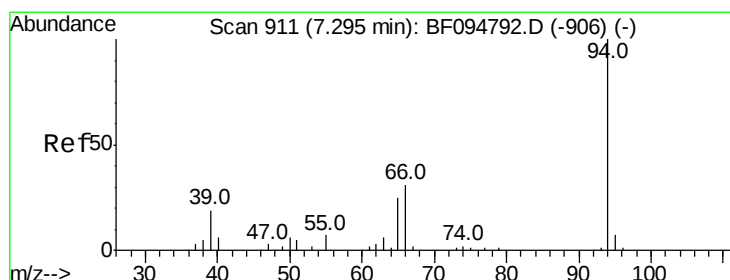
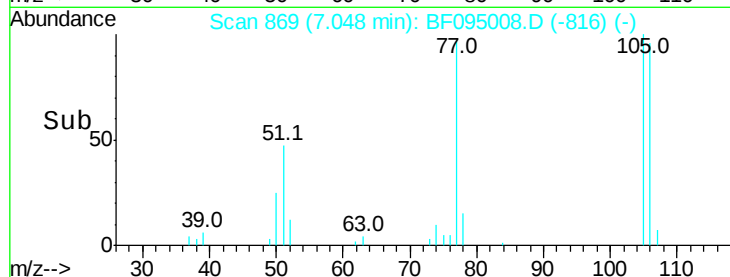
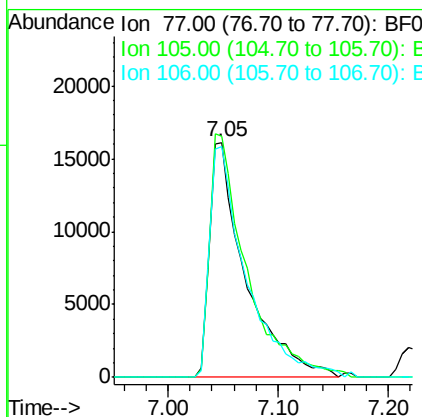
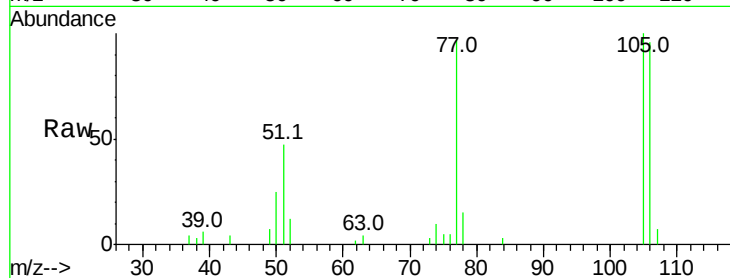
Tot Ion: 77 Resp: 36278

Ion Ratio Lower Upper

77 100

105 102.8 83.8 123.8

106 98.3 79.1 119.1



#10

Phenol

Concen: 41.80 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

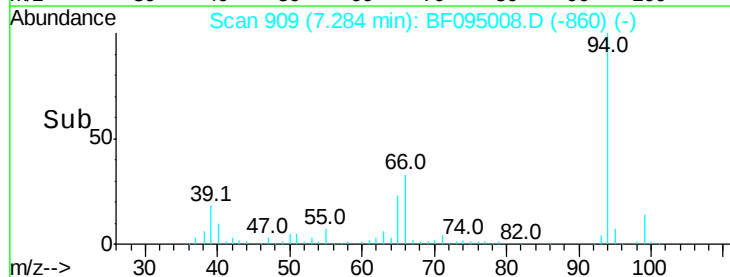
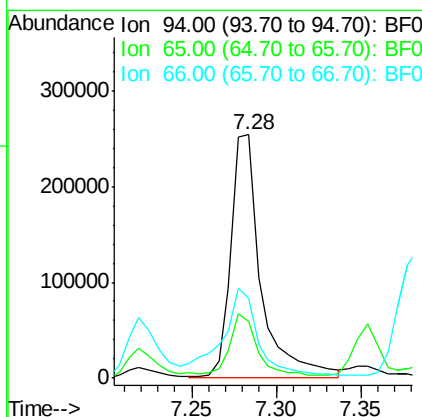
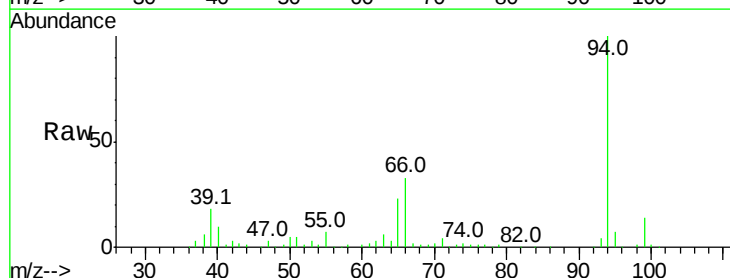
Tgt Ion: 94 Resp: 318752

Ion Ratio Lower Upper

94 100

65 23.4 9.9 49.9

66 32.9 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 39.42 ng

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

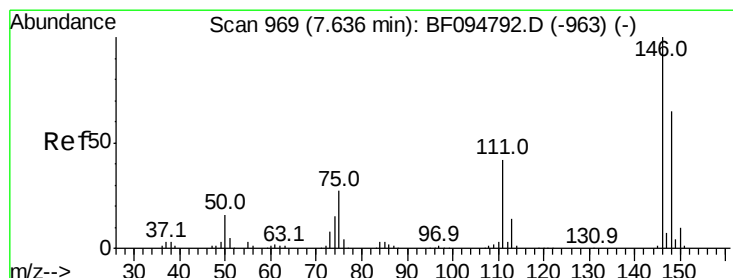
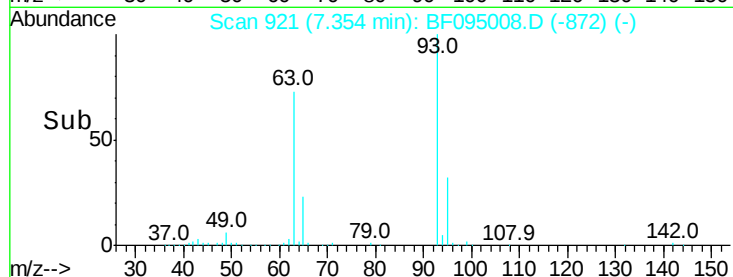
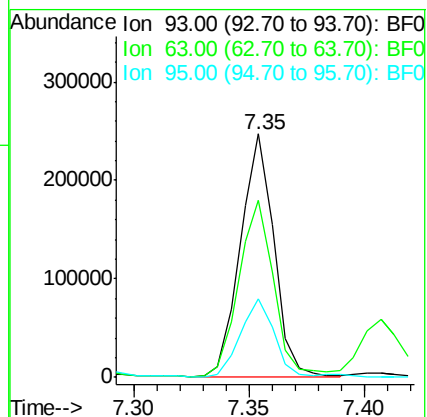
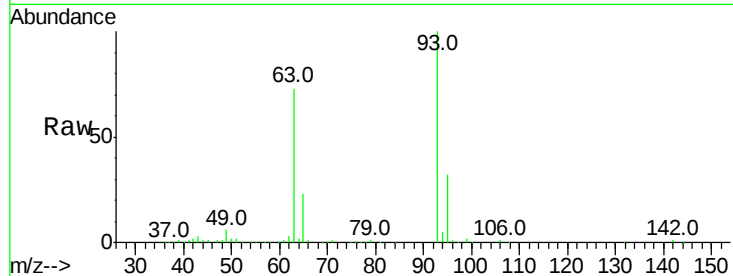
Tot Ion: 93 Resp: 248149

Ion Ratio Lower Upper

93 100

63 72.9 59.2 99.2

95 32.0 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 39.10 ng

RT: 7.62 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

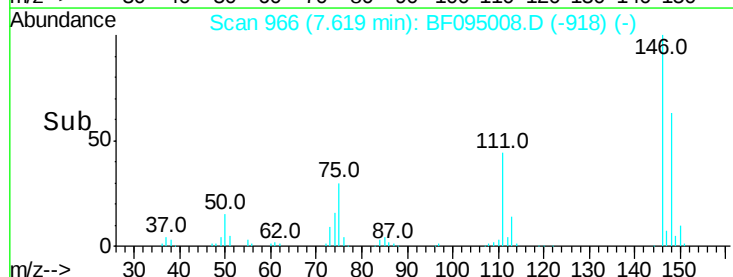
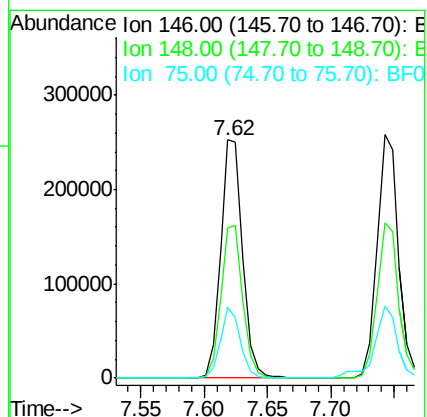
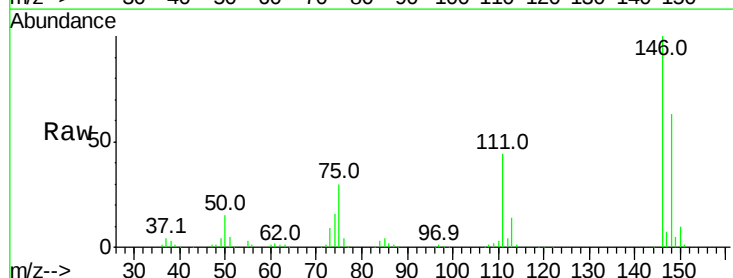
Tgt Ion: 146 Resp: 304480

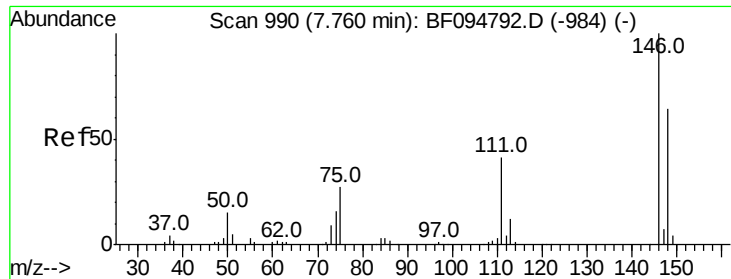
Ion Ratio Lower Upper

146 100

148 63.3 51.8 77.6

75 29.6 23.1 34.7

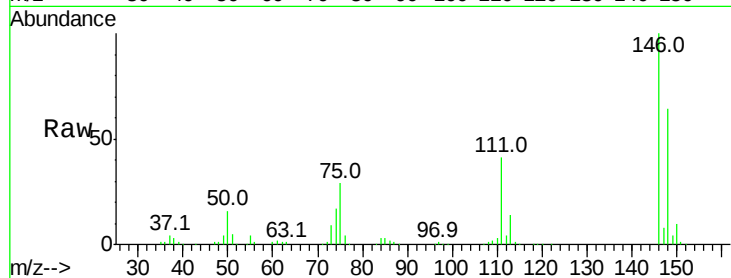




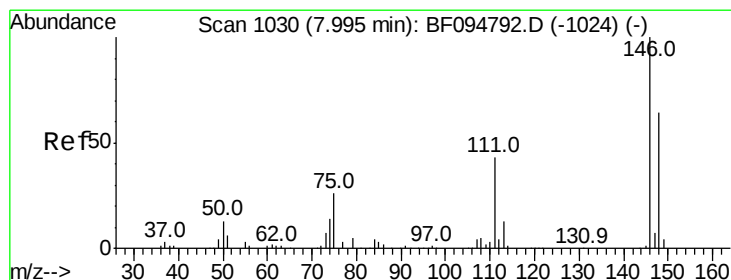
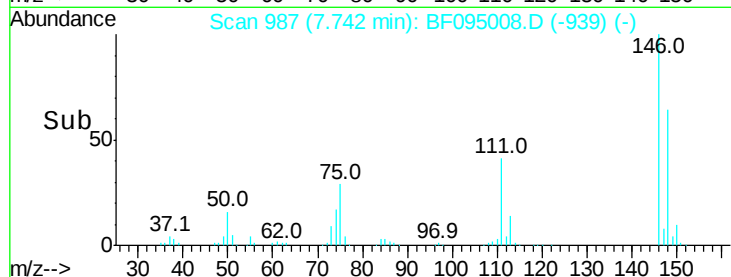
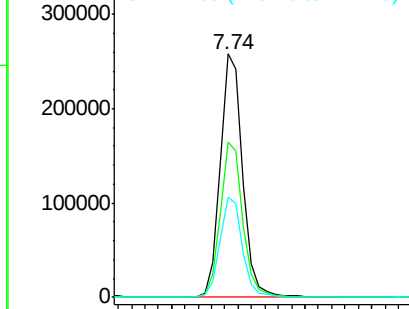
#13  
 1,4-Dichlorobenzene  
 Concen: 38.78 ng  
 RT: 7.74 min Scan# 987  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.8  | 52.2  | 78.2  |
| 111     | 41.4  | 30.3  | 45.5  |

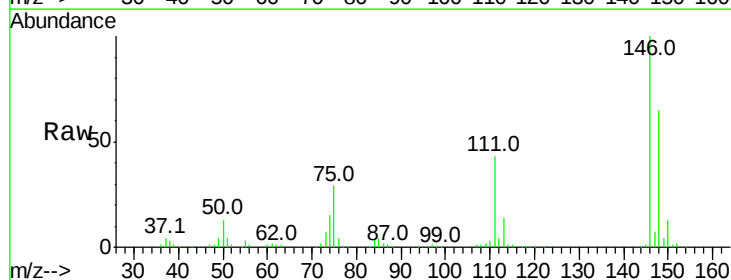


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

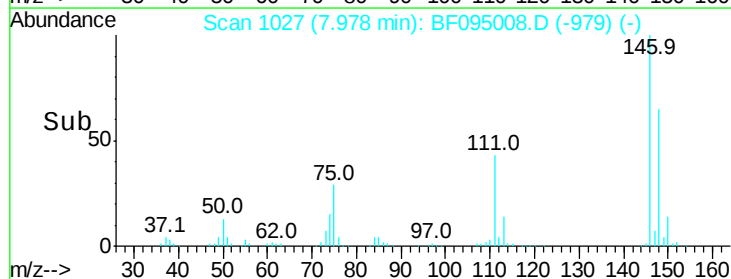
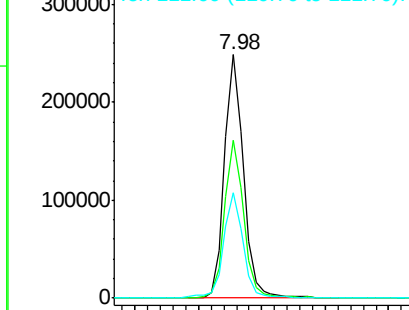


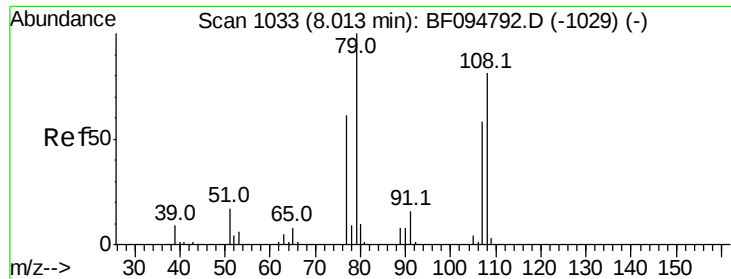
#14  
 1,2-Dichlorobenzene  
 Concen: 35.41 ng  
 RT: 7.98 min Scan# 1027  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 50.4  | 75.6  |
| 111     | 43.2  | 38.2  | 57.4  |



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

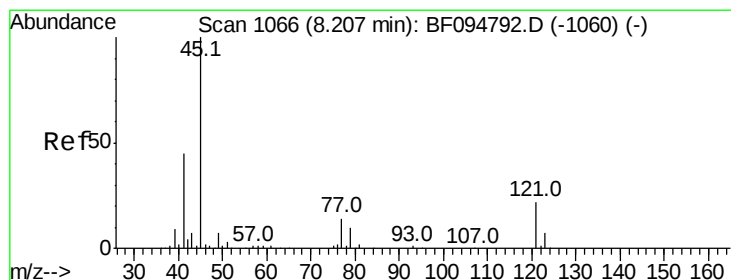
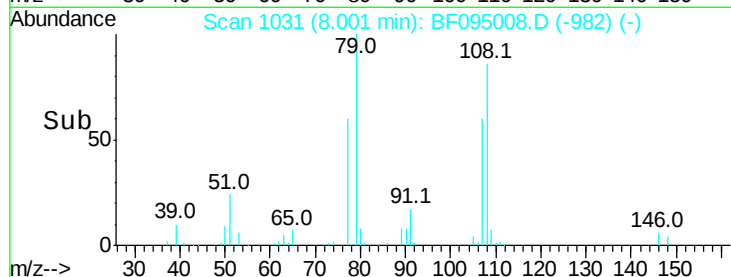
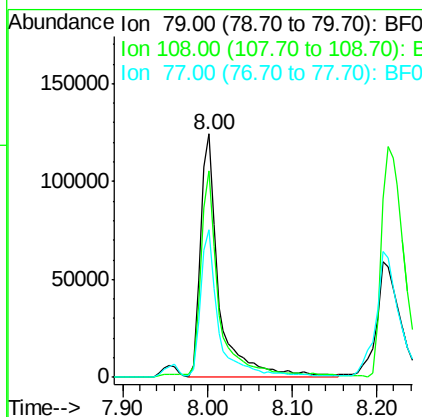
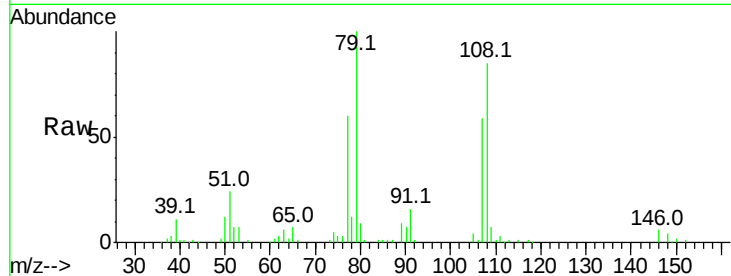




#15  
Benzyl Alcohol  
Concen: 40.77 ng  
RT: 8.00 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

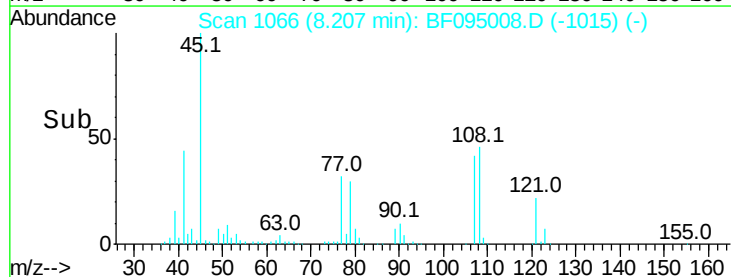
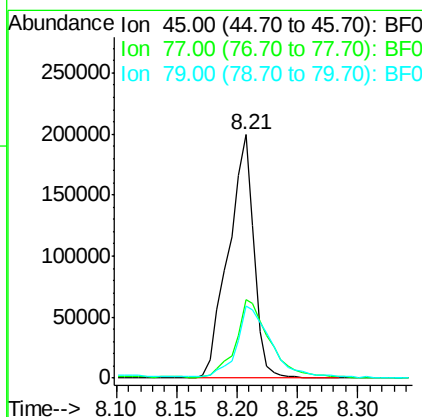
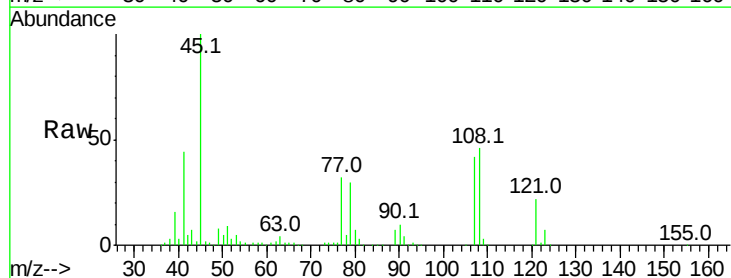
Instrument :  
BNA\_F  
ClientSampleId :

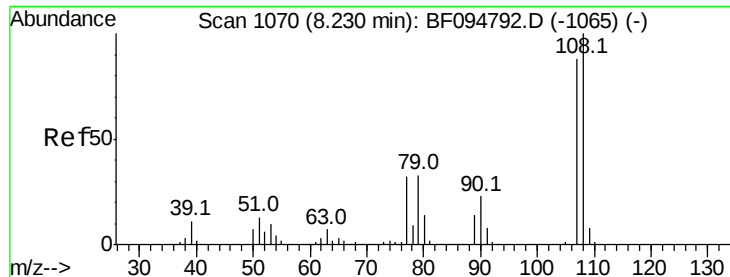
Tot Ion: 79 Resp: 189763  
Ion Ratio Lower Upper  
79 100  
108 84.7 63.4 95.0  
77 60.5 49.2 73.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 32.79 ng  
RT: 8.21 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion: 45 Resp: 292213  
Ion Ratio Lower Upper  
45 100  
77 32.3 0.0 33.2  
79 29.7 0.0 30.0

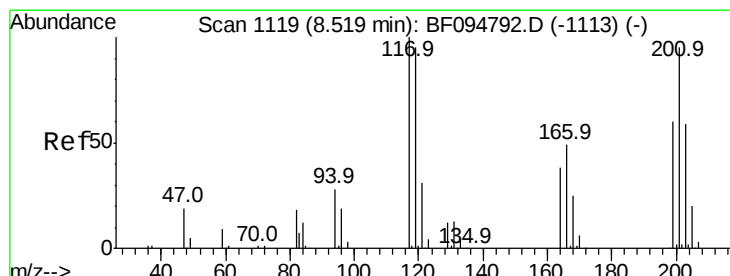
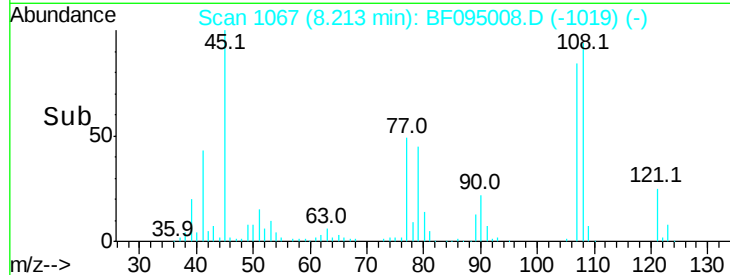
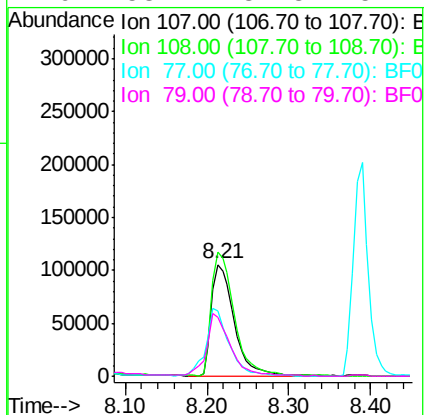
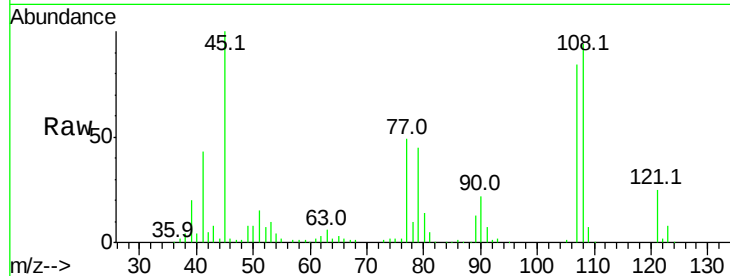




#17  
 2-Methylphenol  
 Concen: 36.35 ng  
 RT: 8.21 min Scan# 1067  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

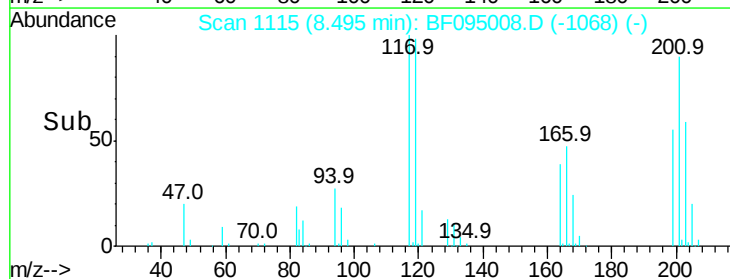
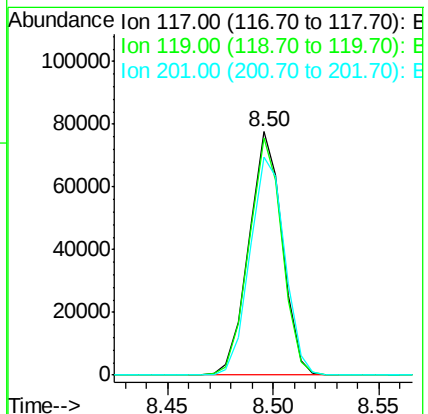
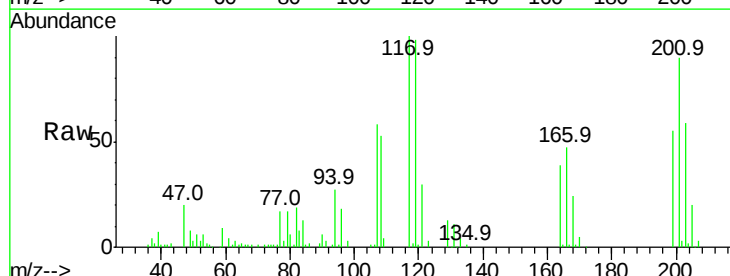
Instrument :  
 BNA\_F  
 ClientSampleId :

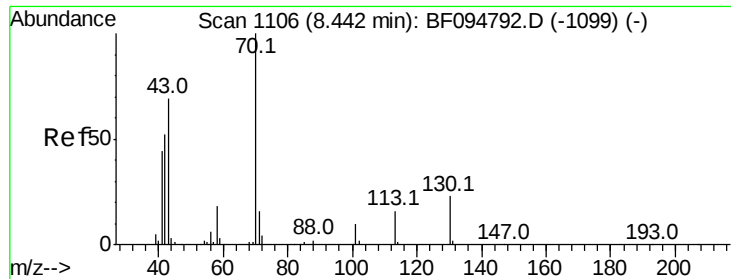
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 204211 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.2 | 93.4  | 140.0  |
| 77       | 57.9  | 35.8  | 53.6#  |
| 79       | 53.1  | 34.8  | 52.2#  |



#18  
 Hexachloroethane  
 Concen: 31.90 ng  
 RT: 8.50 min Scan# 1115  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 85354  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.5  | 77.4  | 116.0  |
| 201      | 89.8  | 94.6  | 141.8# |

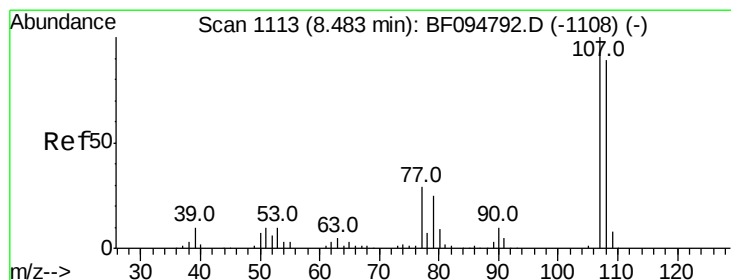
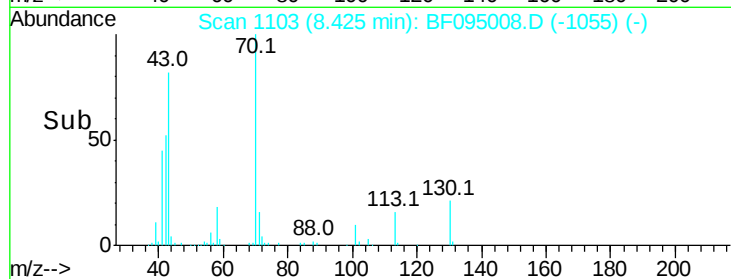
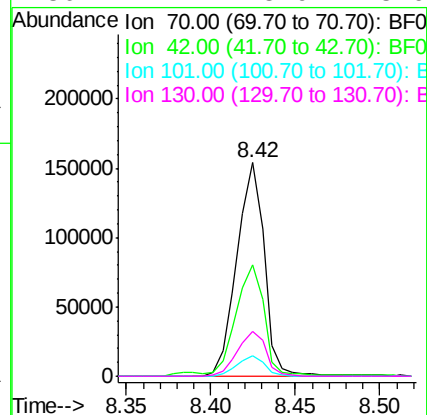
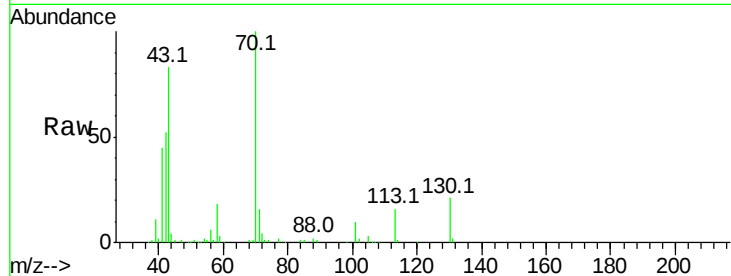




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.76 ng  
RT: 8.42 min Scan# 1103  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

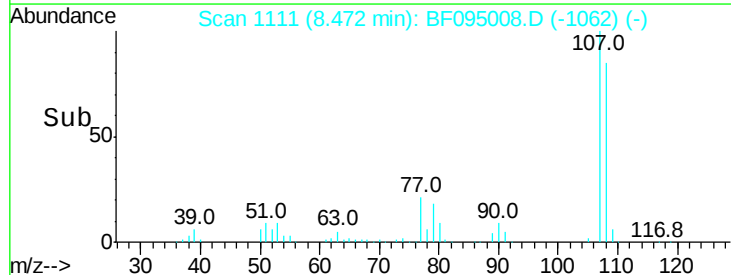
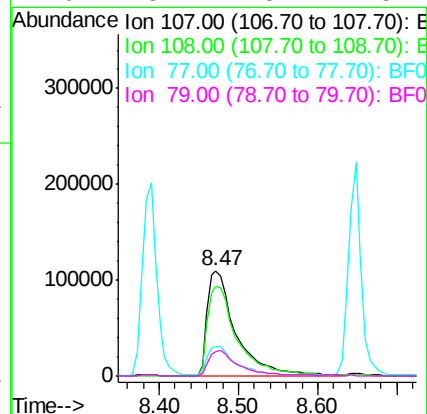
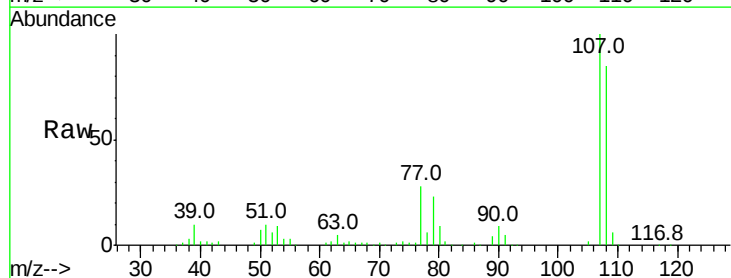
Instrument :  
BNA\_F  
ClientSampleId :

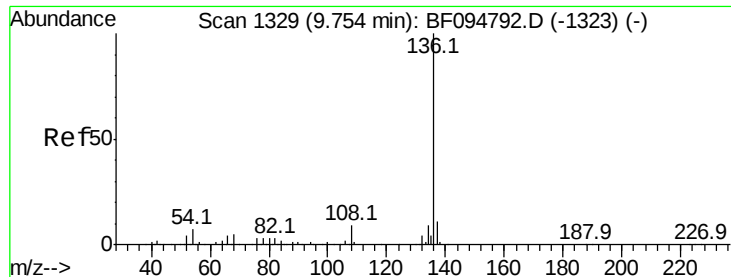
Tot Ion: 70 Resp: 175047  
Ion Ratio Lower Upper  
70 100  
42 52.3 47.2 70.8  
101 9.8 7.2 10.8  
130 21.1 15.9 23.9



#20  
3+4-Methylphenols  
Concen: 36.49 ng  
RT: 8.47 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion: 107 Resp: 278605  
Ion Ratio Lower Upper  
107 100  
108 84.8 71.0 111.0  
77 28.4 90.5 130.5#  
79 23.2 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 372767

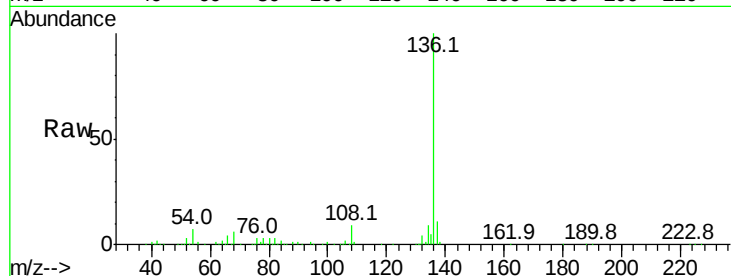
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.6 4.9 7.3

68 5.6 4.1 6.1

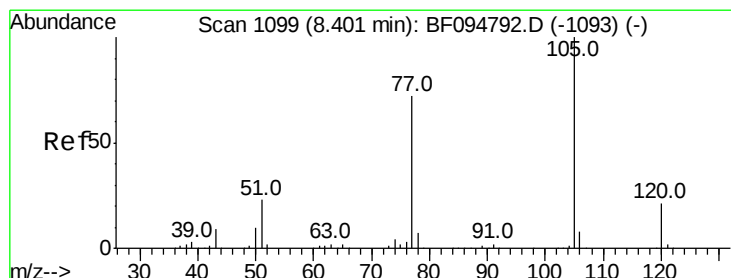
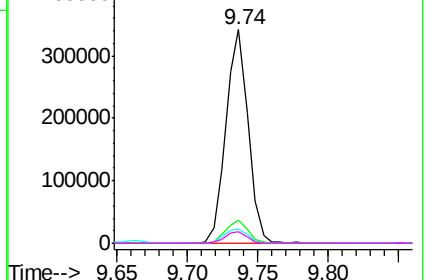
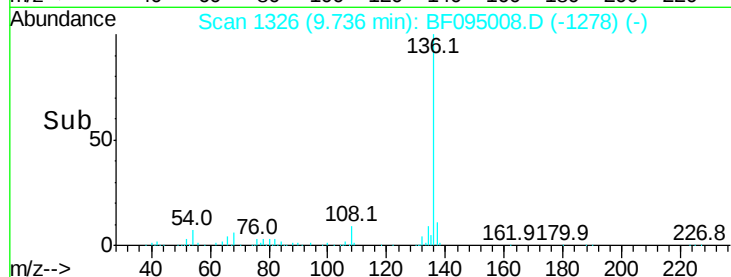


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.58 ng

RT: 8.39 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Tgt Ion:105 Resp: 353951

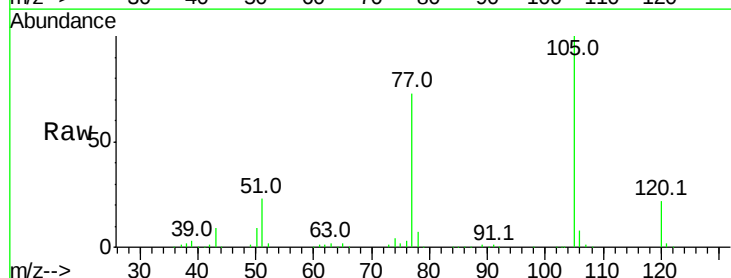
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 22.9 30.7 46.1#

120 21.8 17.4 26.0

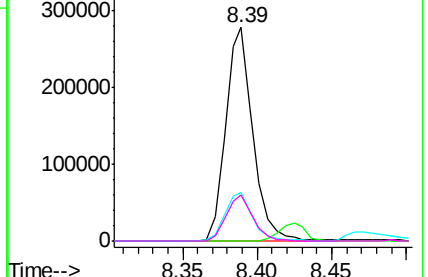
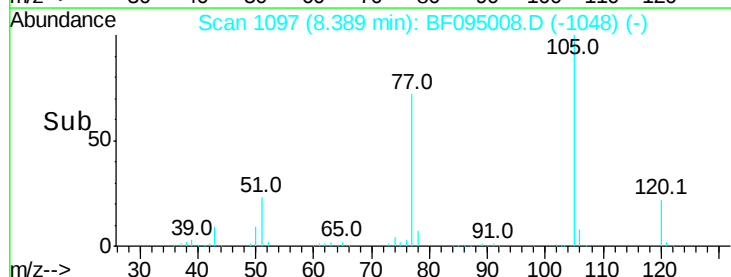


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

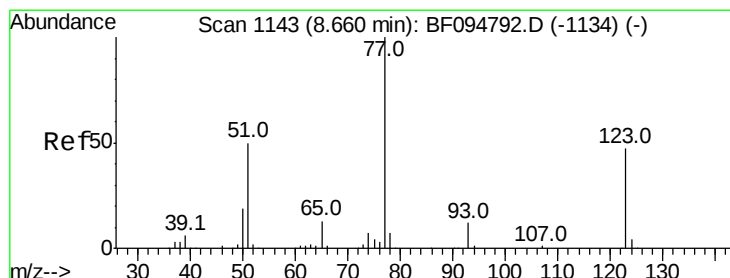
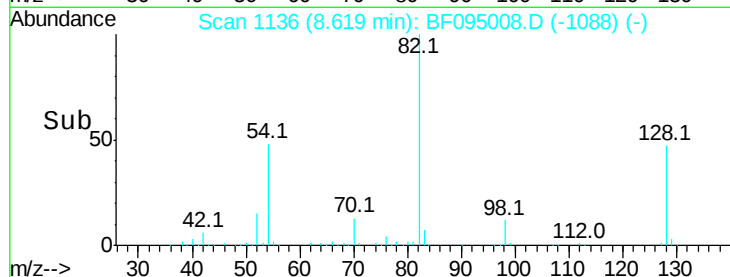
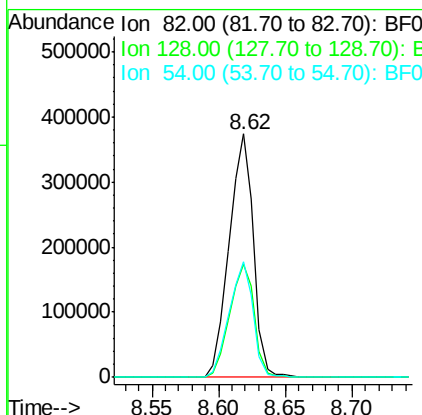
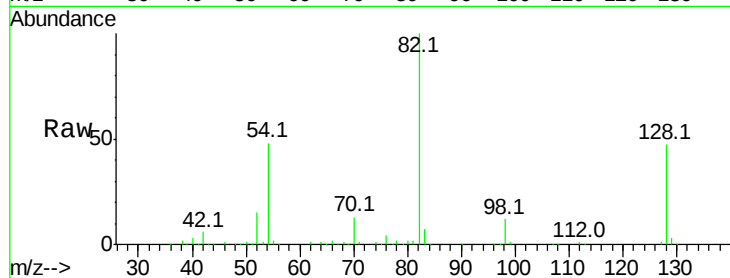




#23  
Nitrobenzene-d5  
Concen: 80.52 ng  
RT: 8.62 min Scan# 1136  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

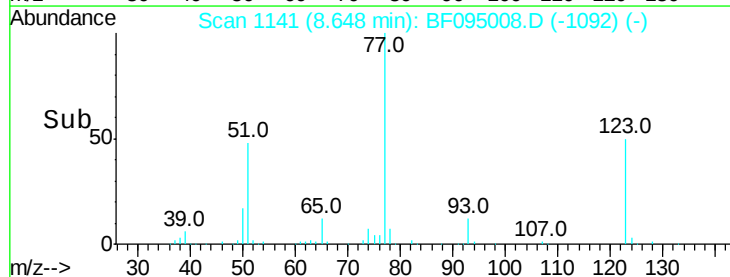
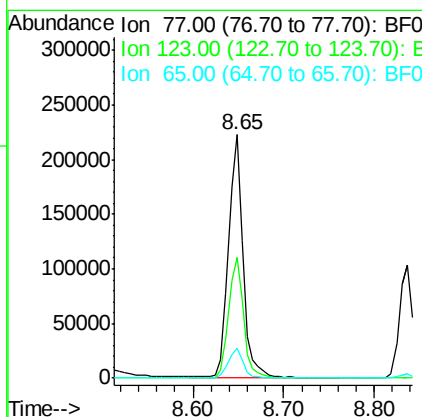
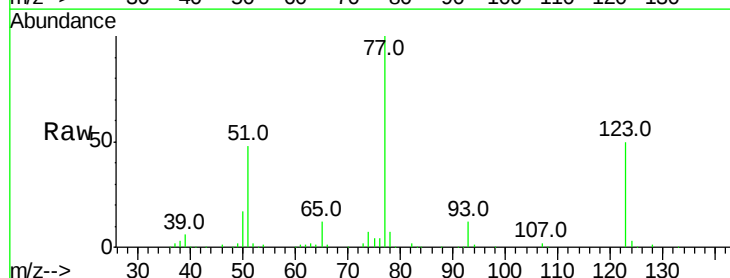
Instrument :  
BNA\_F  
ClientSampled :

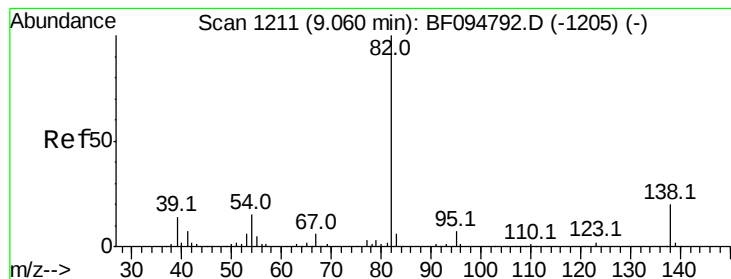
Tot Ion: 82 Resp: 475987  
Ion Ratio Lower Upper  
82 100  
128 46.6 34.0 51.0  
54 47.7 42.2 63.2



#24  
Nitrobenzene  
Concen: 40.04 ng  
RT: 8.65 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion: 77 Resp: 248093  
Ion Ratio Lower Upper  
77 100  
123 49.6 35.8 53.8  
65 12.4 10.6 15.8





#25

Isophorone

Concen: 42.11 ng

RT: 9.04 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

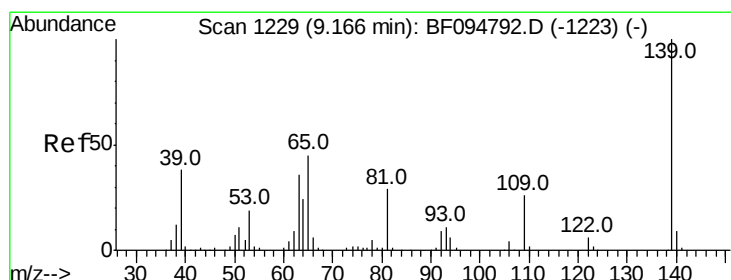
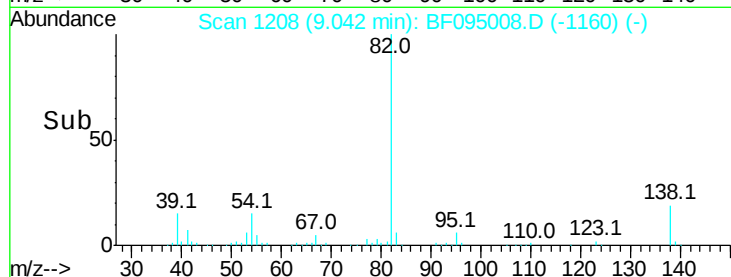
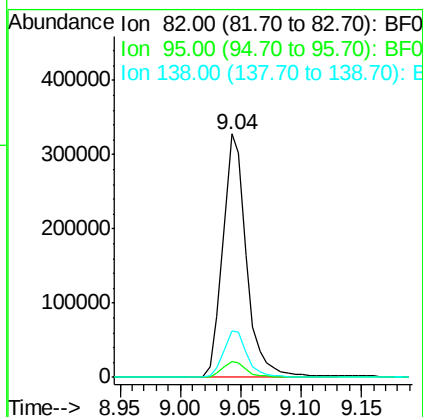
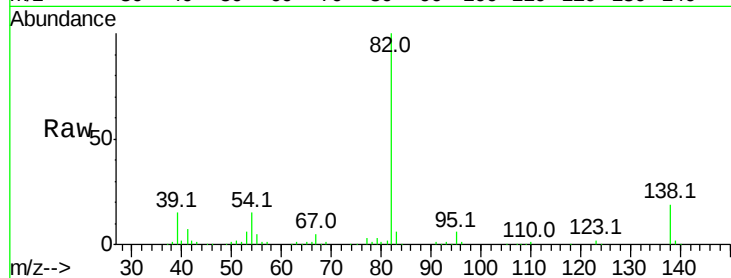
Tot Ion: 82 Resp: 444510

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 19.2 13.1 19.7



#26

2-Nitrophenol

Concen: 41.20 ng

RT: 9.15 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

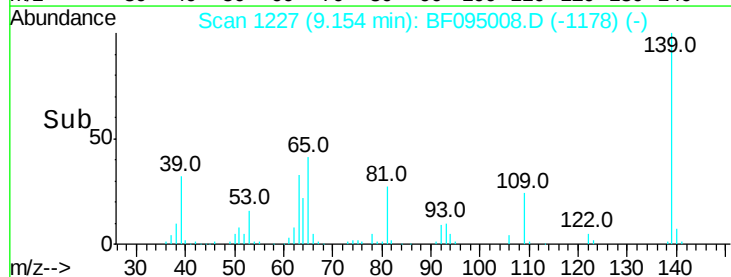
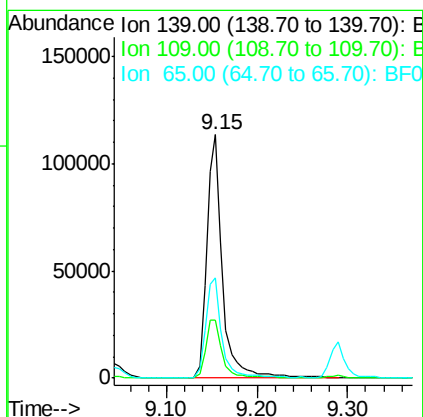
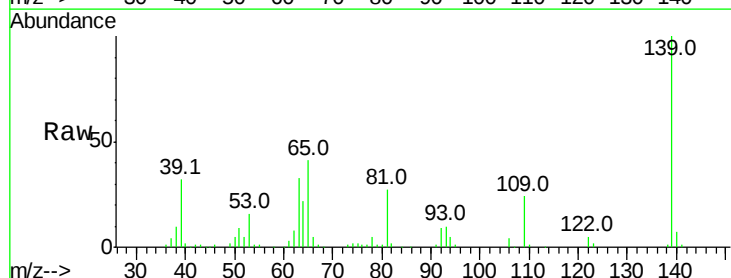
Tgt Ion:139 Resp: 137744

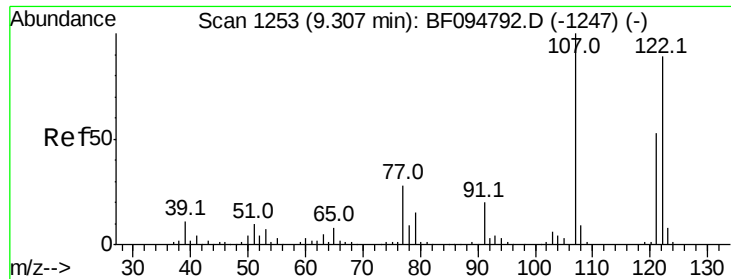
Ion Ratio Lower Upper

139 100

109 23.8 21.0 31.6

65 41.0 33.0 49.6

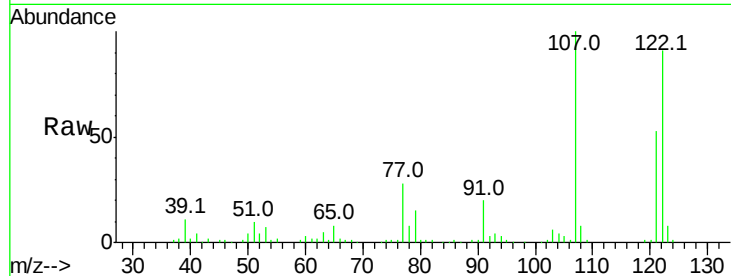




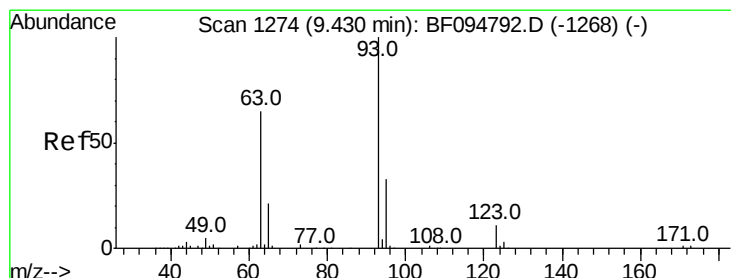
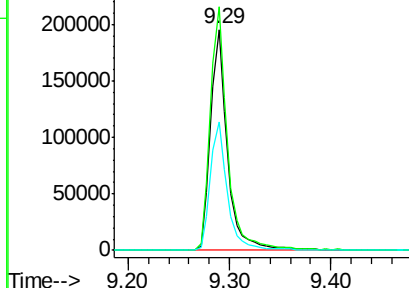
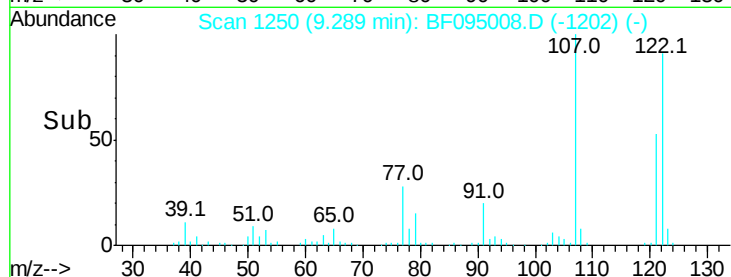
#27  
 2,4-Dimethylphenol  
 Concen: 42.26 ng  
 RT: 9.29 min Scan# 1250  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.1 | 89.2  | 133.8 |
| 121     | 58.3  | 45.2  | 67.8  |

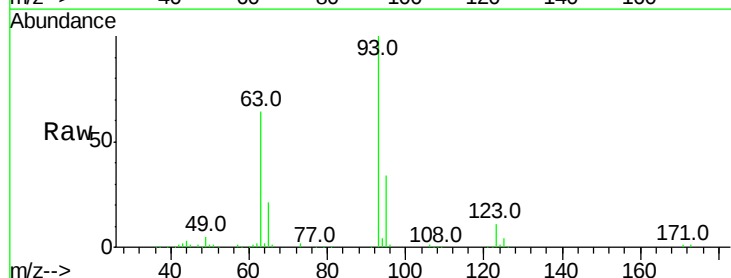


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

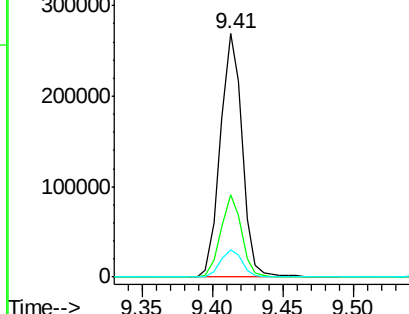
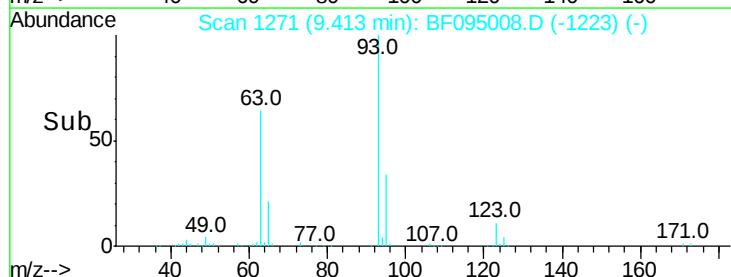


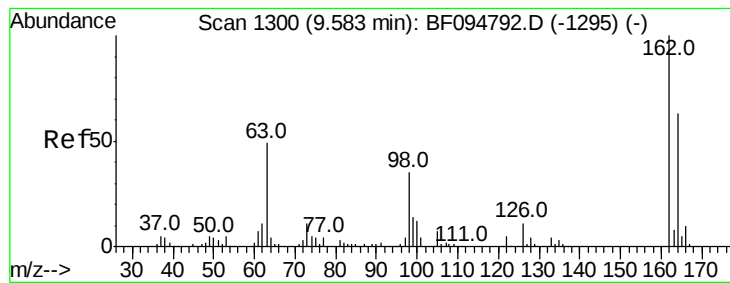
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.92 ng  
 RT: 9.41 min Scan# 1271  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 34.1  | 26.5  | 39.7  |
| 123     | 11.0  | 9.0   | 13.4  |



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





#29

2,4-Dichlorophenol

Concen: 43.48 ng

RT: 9.57 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

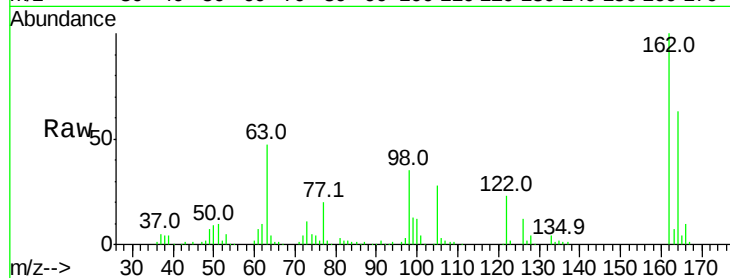
Tot Ion:162 Resp: 221911

Ion Ratio Lower Upper

162 100

164 62.7 44.6 84.6

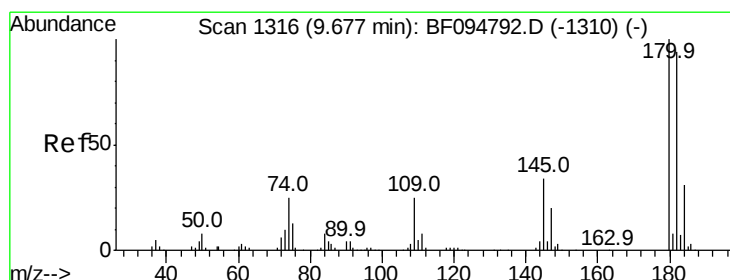
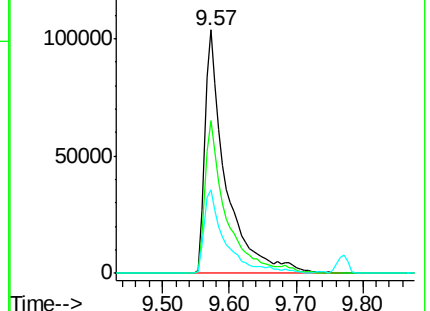
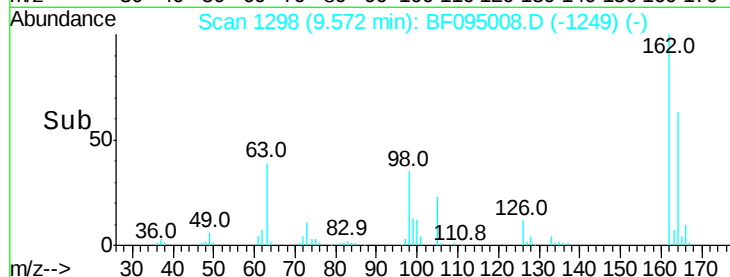
98 34.5 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 40.72 ng

RT: 9.66 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

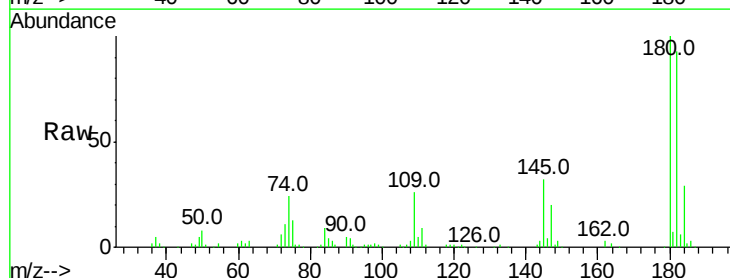
Tgt Ion:180 Resp: 222652

Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.6

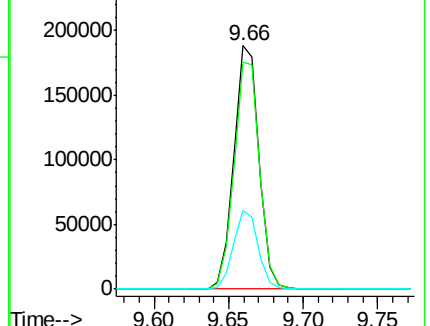
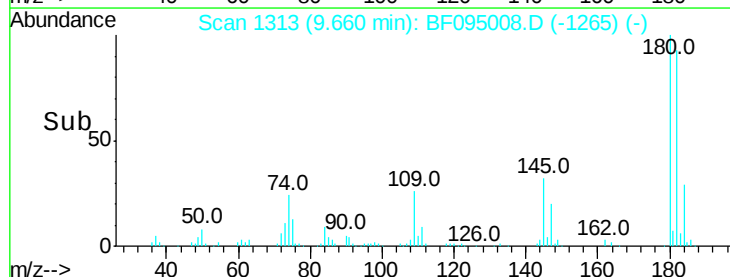
145 32.2 25.3 37.9

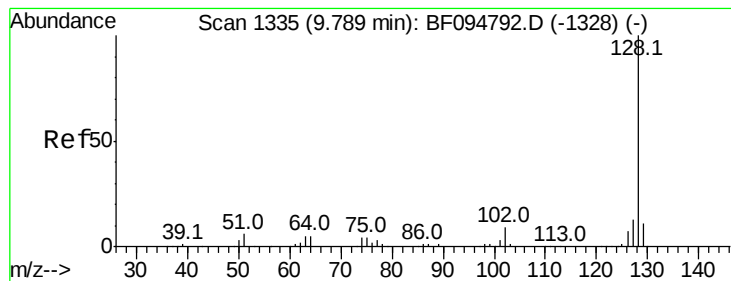


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

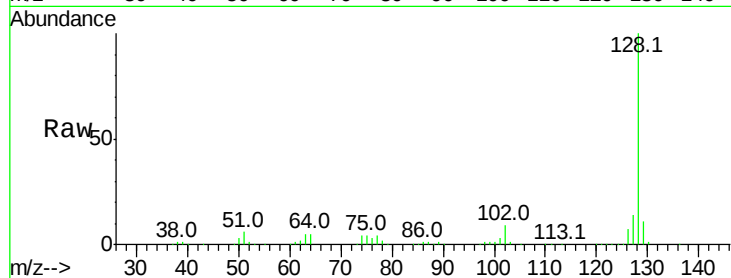
Tot Ion:128 Resp: 749463

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

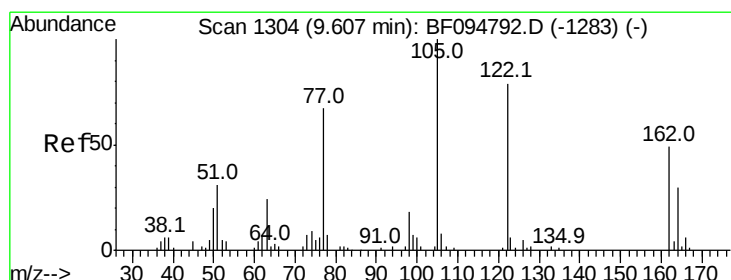
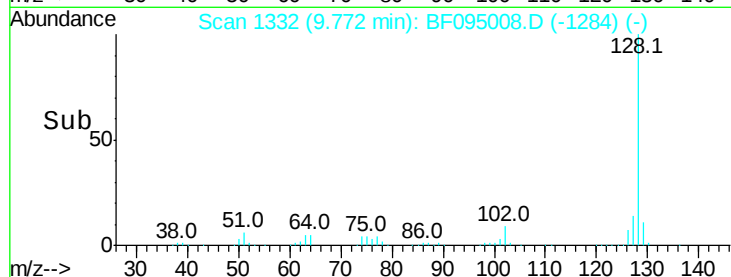
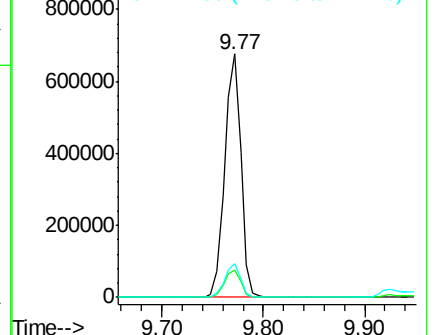
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.48 ng

RT: 9.60 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

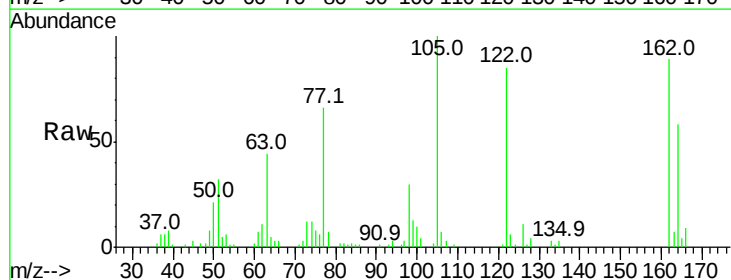
Tgt Ion:122 Resp: 120648

Ion Ratio Lower Upper

122 100

105 118.2 103.3 143.3

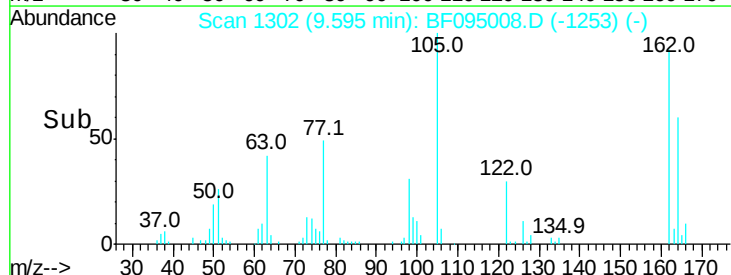
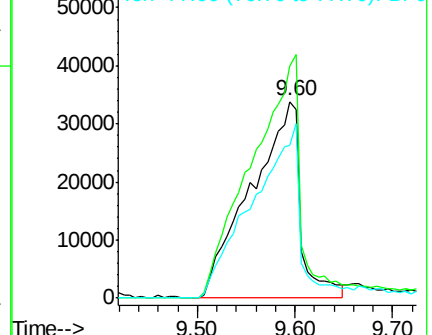
77 78.1 73.7 113.7

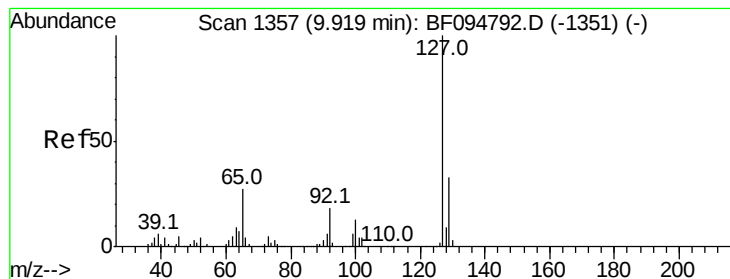


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 10.17 ng

RT: 9.92 min Scan# 1358

Delta R.T. 0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 71037

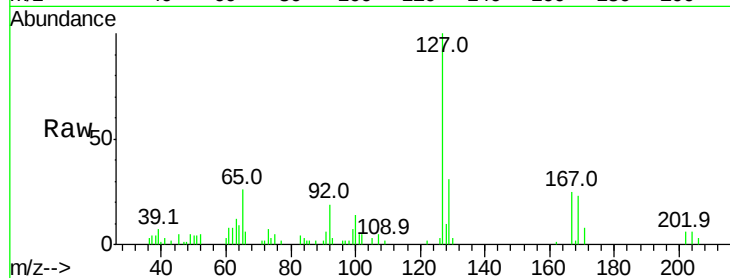
Ion Ratio Lower Upper

127 100

129 31.1 26.2 39.2

65 26.2 27.8 41.8#

92 19.2 16.8 25.2

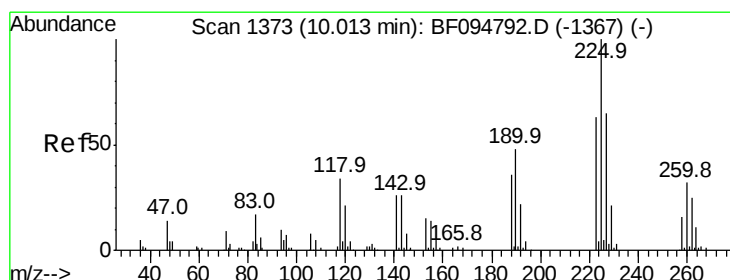
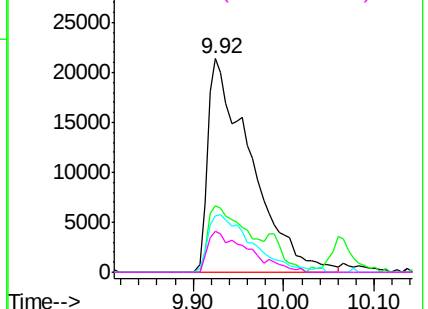
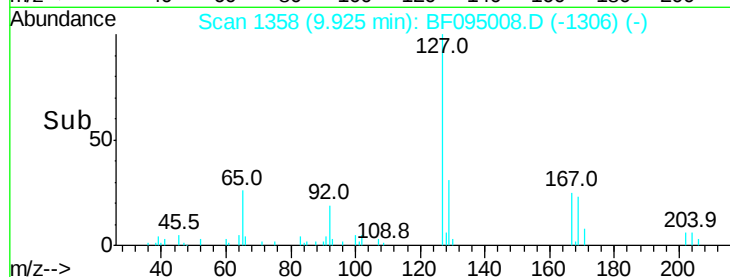


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 39.28 ng

RT: 9.99 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

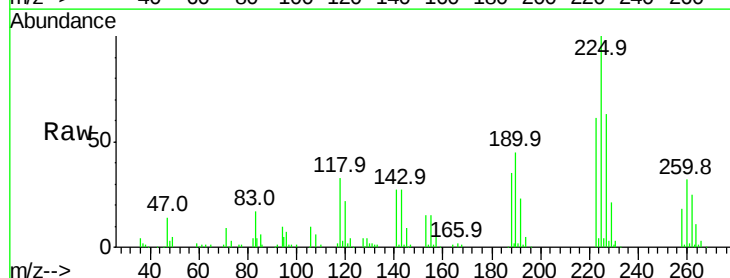
Tgt Ion:225 Resp: 113340

Ion Ratio Lower Upper

225 100

223 60.7 48.8 73.2

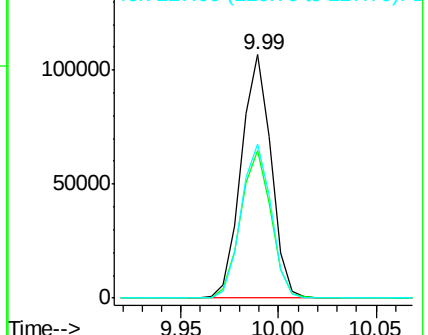
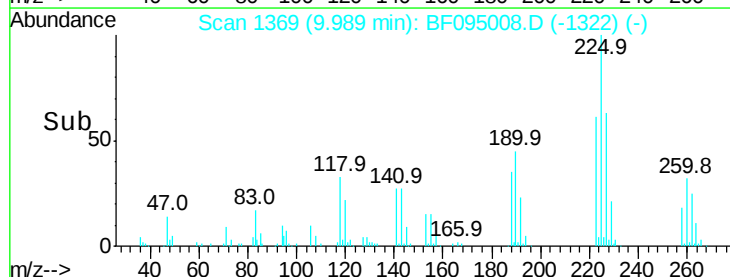
227 63.2 51.1 76.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 26.73 ng

RT: 10.52 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

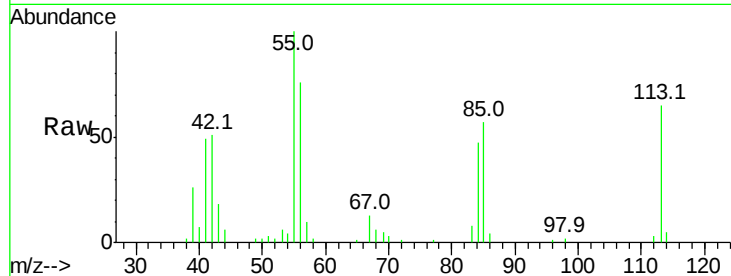
Tot Ion:113 Resp: 40974

Ion Ratio Lower Upper

113 100

55 153.5 150.2 190.2

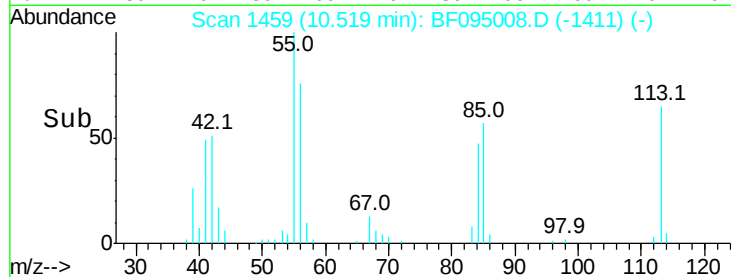
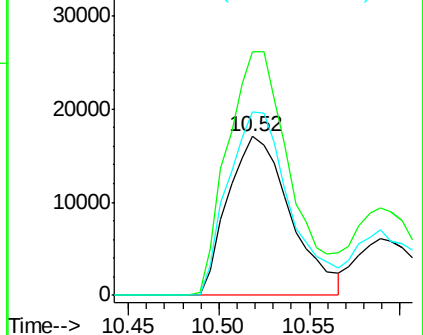
56 116.1 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.52 ng

RT: 10.77 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

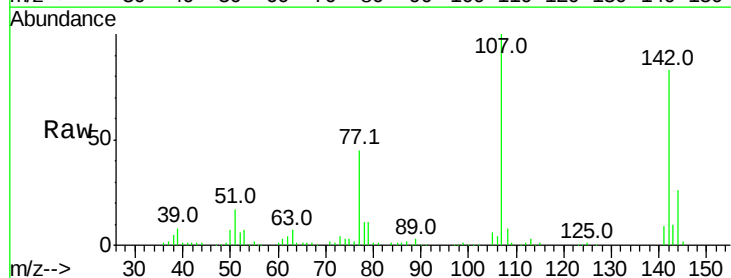
Tgt Ion:107 Resp: 232029

Ion Ratio Lower Upper

107 100

144 25.6 24.2 36.4

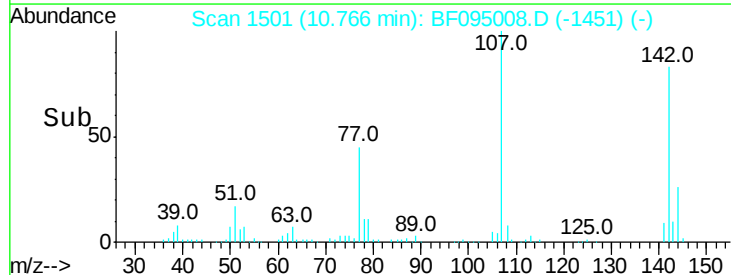
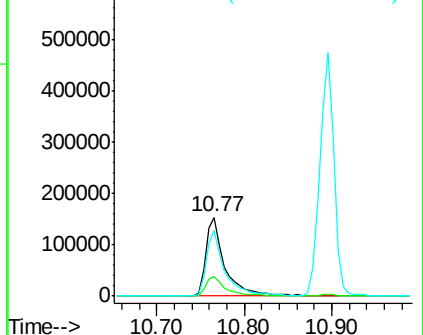
142 83.0 73.4 110.0

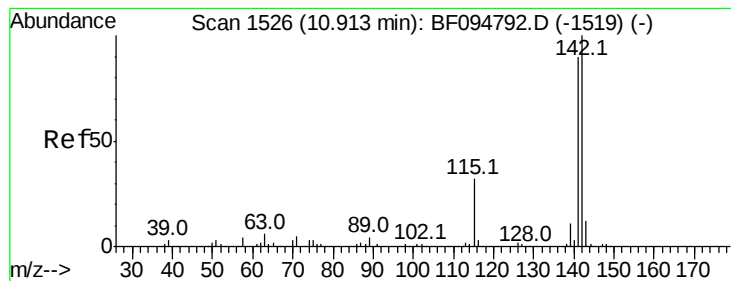


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 43.38 ng

RT: 10.90 min Scan# 1523

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

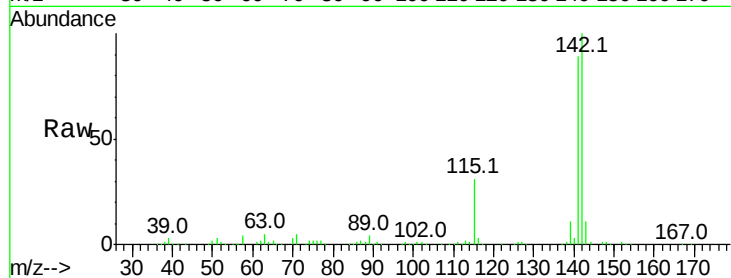
Tot Ion:142 Resp: 533386

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

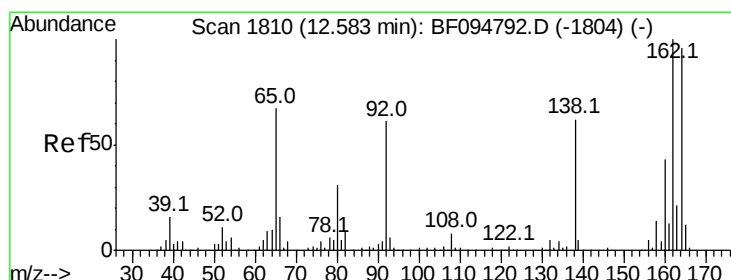
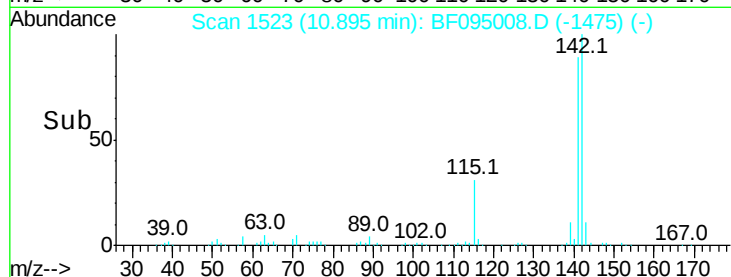
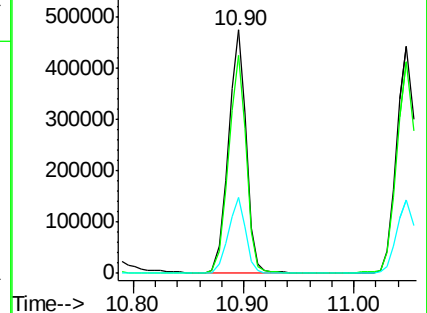
115 31.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

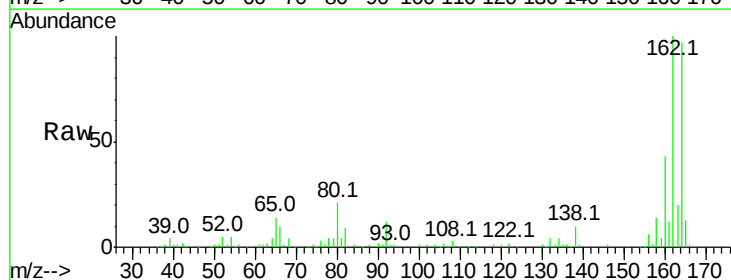
Tgt Ion:164 Resp: 170978

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

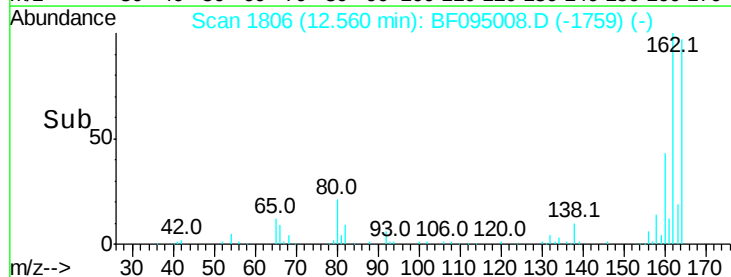
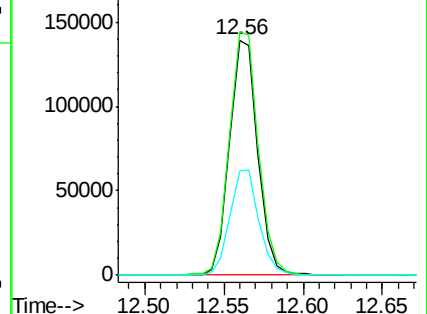
160 44.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.54 ng

RT: 11.17 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 213168

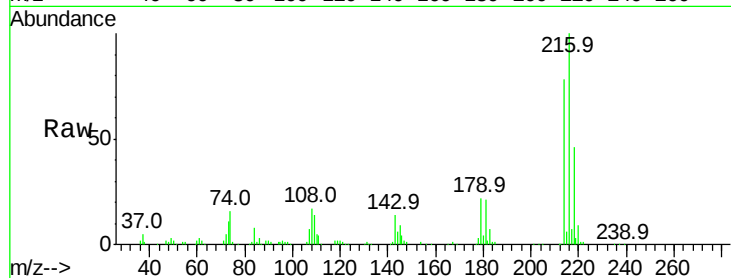
Ion Ratio Lower Upper

216 100

214 78.0 63.4 95.2

179 21.9 17.9 26.9

108 18.7 16.5 24.7

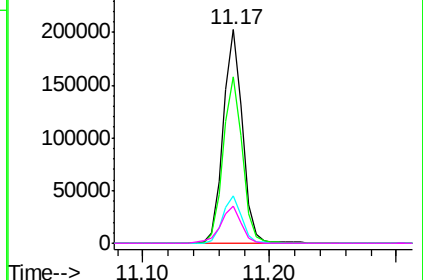
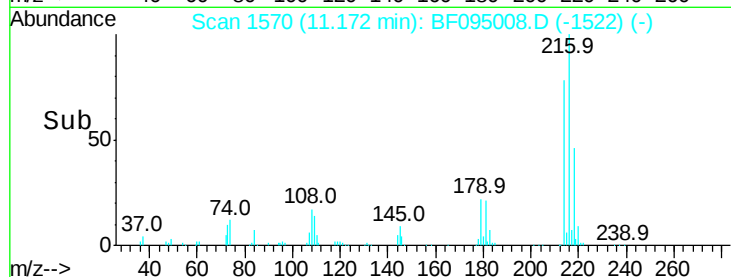


Abundance Ion 216.00 (215.70 to 216.70): E

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: 33.99 ng

RT: 11.15 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

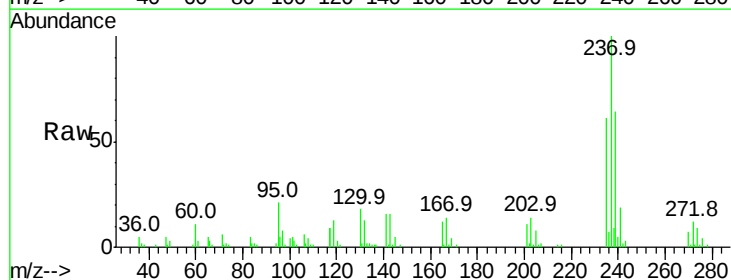
Tgt Ion:237 Resp: 66795

Ion Ratio Lower Upper

237 100

235 61.0 42.6 82.6

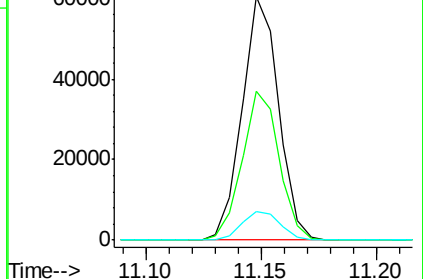
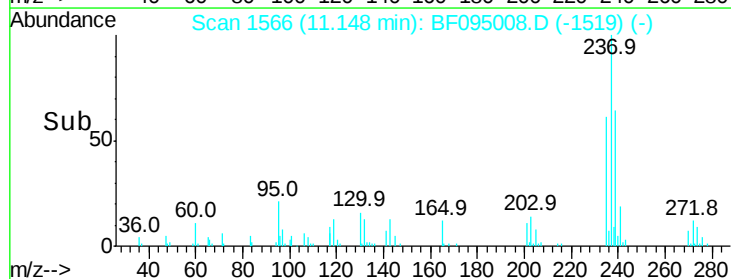
272 11.7 0.0 31.9



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

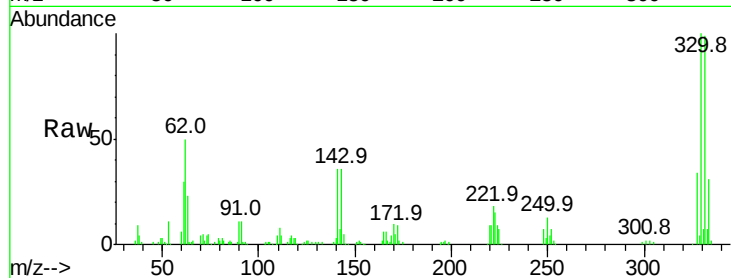




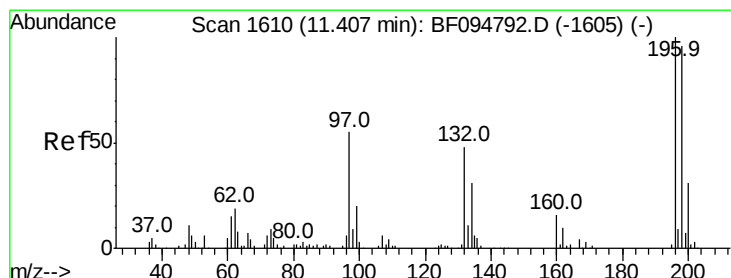
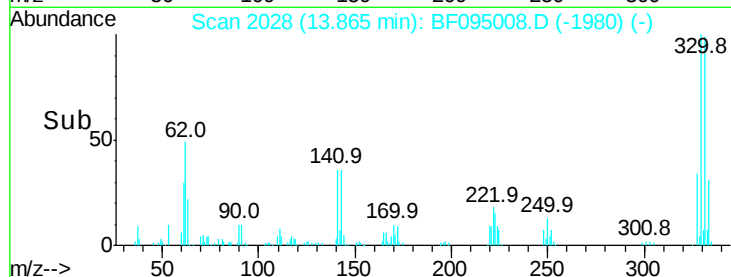
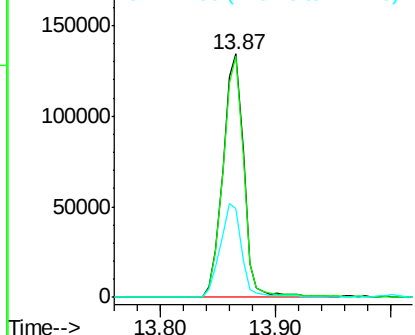
#41  
 2,4,6-Tribromophenol  
 Concen: 120.76 ng  
 RT: 13.87 min Scan# 2028  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 169094  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 76.6 115.0  
 141 39.8 31.4 47.2

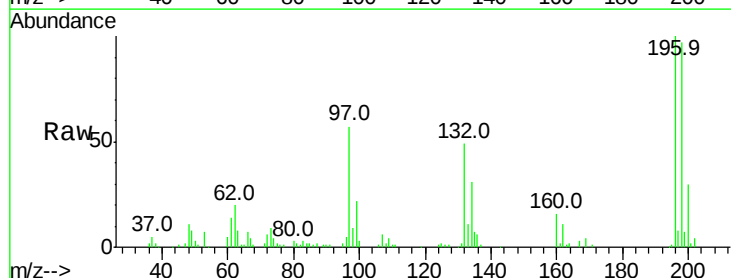


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

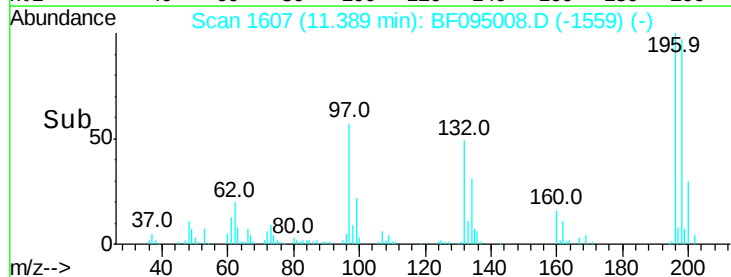
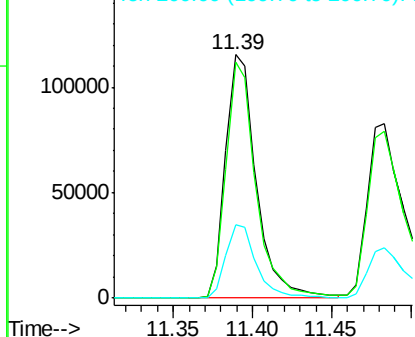


#42  
 2,4,6-Trichlorophenol  
 Concen: 44.43 ng  
 RT: 11.39 min Scan# 1607  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:196 Resp: 155968  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 74.2 111.4  
 200 30.3 24.0 36.0



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

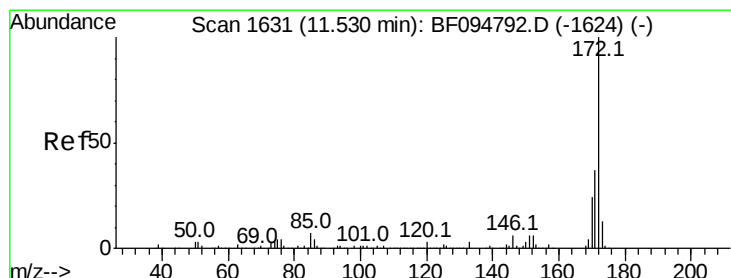
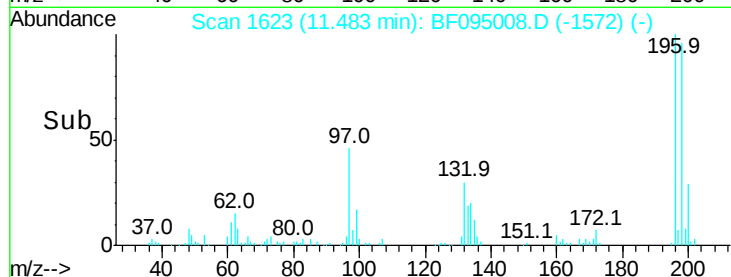
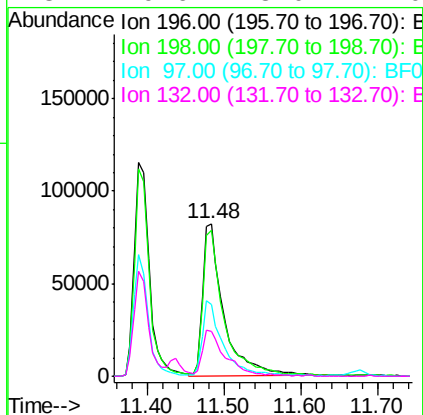
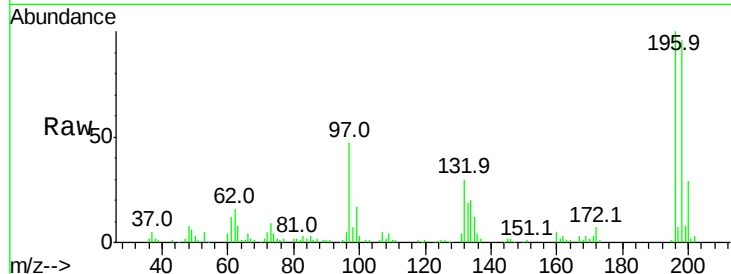




#43  
2,4,5-Trichlorophenol  
Concen: 41.58 ng  
RT: 11.48 min Scan# 1623  
Delta R.T. 0.00 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

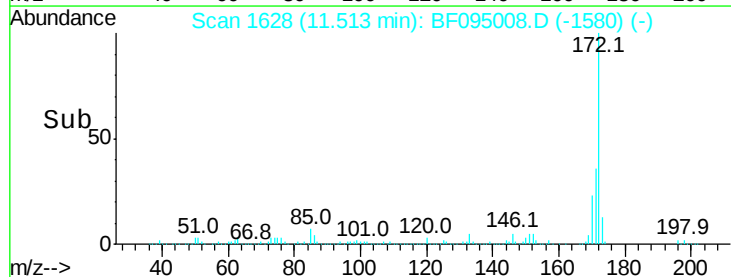
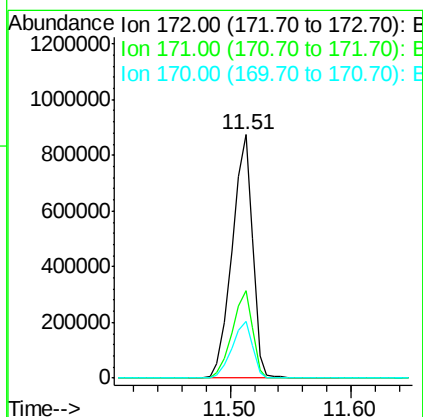
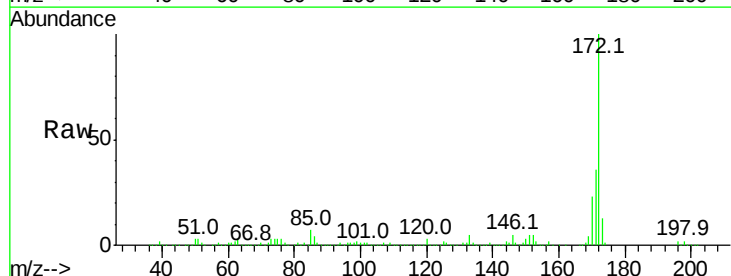
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 156884  
Ion Ratio Lower Upper  
196 100  
198 95.7 75.7 113.5  
97 46.8 47.7 71.5#  
132 29.6 28.0 42.0



#44  
2-Fluorobiphenyl  
Concen: 86.88 ng  
RT: 11.51 min Scan# 1628  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:172 Resp: 1032058  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.6 44.4  
170 23.2 19.8 29.8

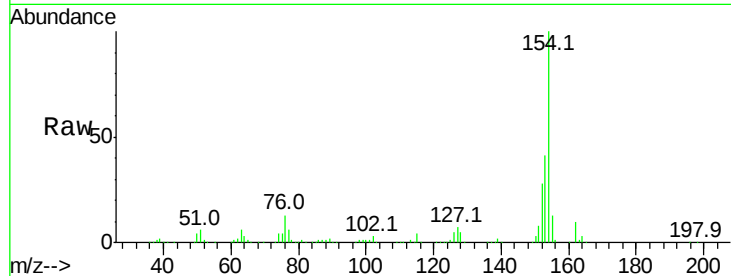




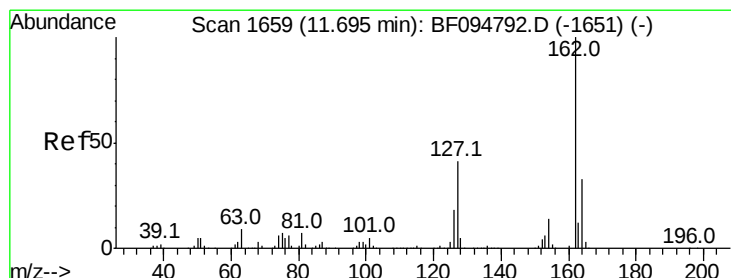
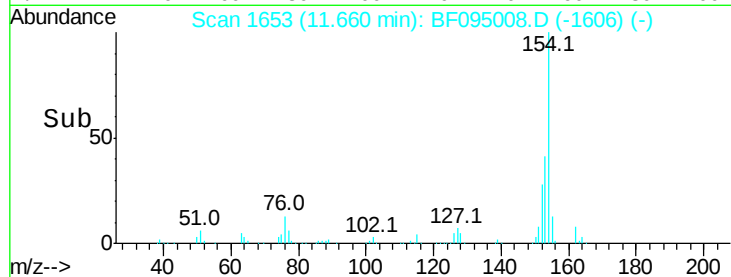
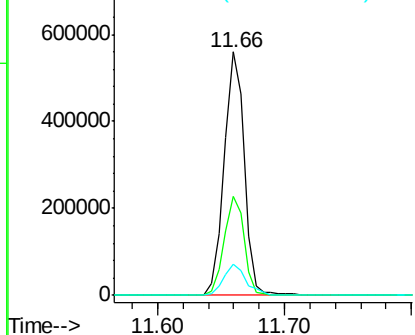
#45  
 1,1'-Biphenyl  
 Concen: 42.76 ng  
 RT: 11.66 min Scan# 1653  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 615600  
 Ion Ratio Lower Upper  
 154 100  
 153 40.7 21.2 61.2  
 76 12.9 0.0 29.9

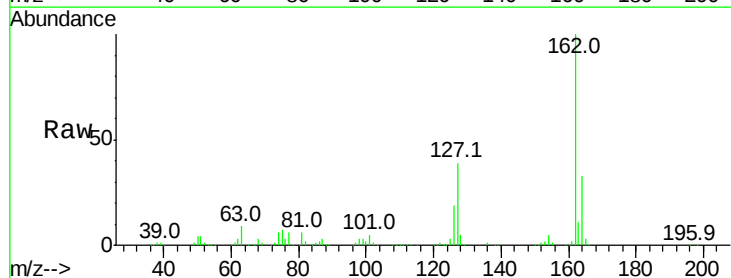


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

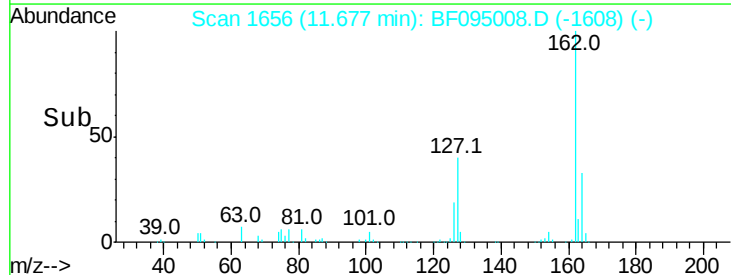
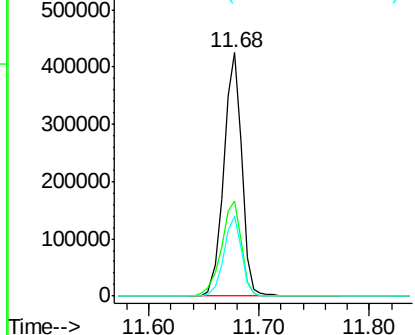


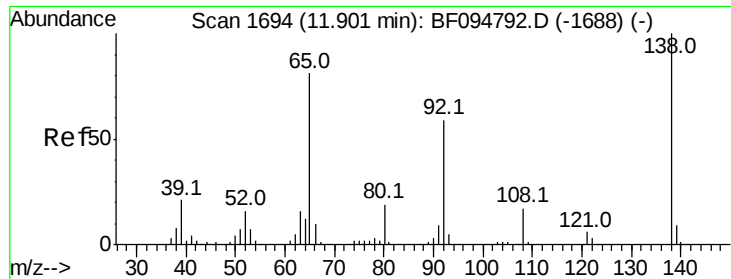
#46  
 2-Chloronaphthalene  
 Concen: 41.74 ng  
 RT: 11.68 min Scan# 1656  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:162 Resp: 485144  
 Ion Ratio Lower Upper  
 162 100  
 127 39.3 28.3 42.5  
 164 32.5 27.0 40.4



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

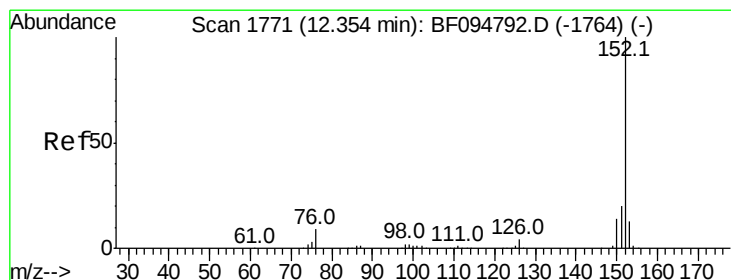
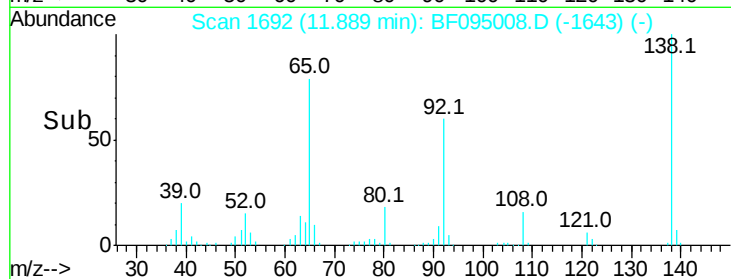
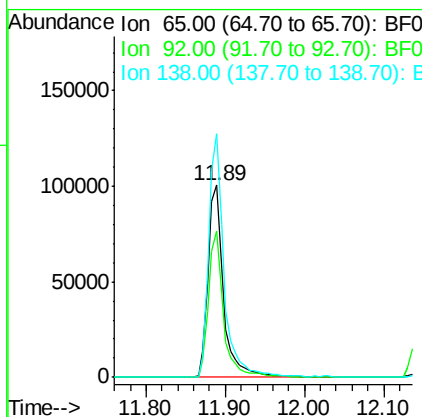
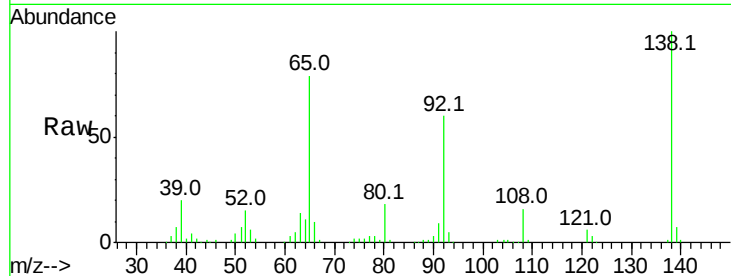




#47  
 2-Nitroaniline  
 Concen: 43.54 ng  
 RT: 11.89 min Scan# 1692  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

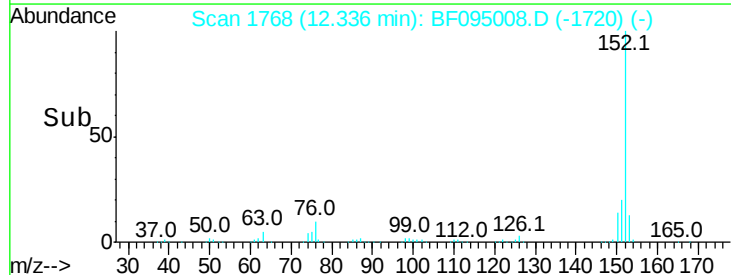
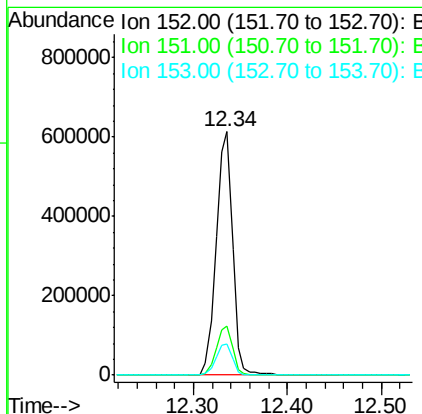
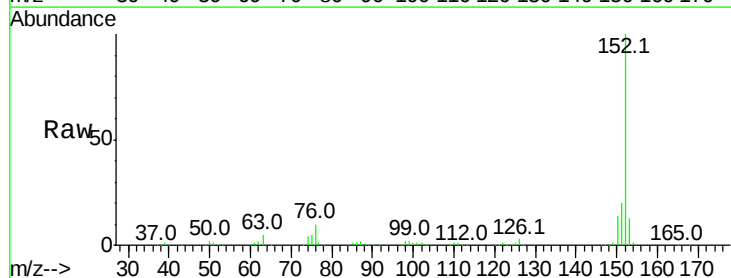
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 65 Resp: 138530  
 Ion Ratio Lower Upper  
 65 100  
 92 75.9 53.9 80.9  
 138 126.6 78.8 118.2#



#48  
 Acenaphthylene  
 Concen: 41.27 ng  
 RT: 12.34 min Scan# 1768  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:152 Resp: 751286  
 Ion Ratio Lower Upper  
 152 100  
 151 20.0 16.8 25.2  
 153 13.0 10.8 16.2





#49

Dimethylphthalate

Concen: 41.80 ng

RT: 12.21 min Scan# 1746

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

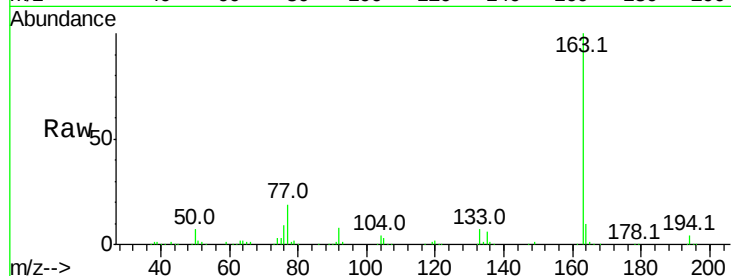
Tot Ion:163 Resp: 586752

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

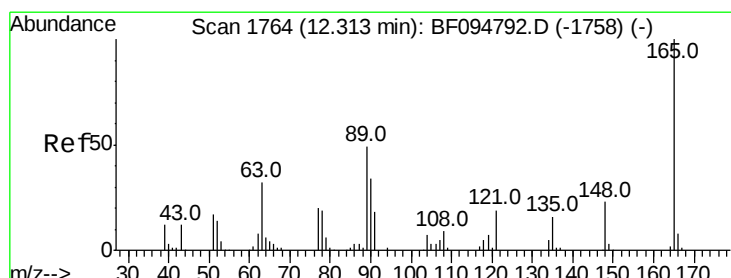
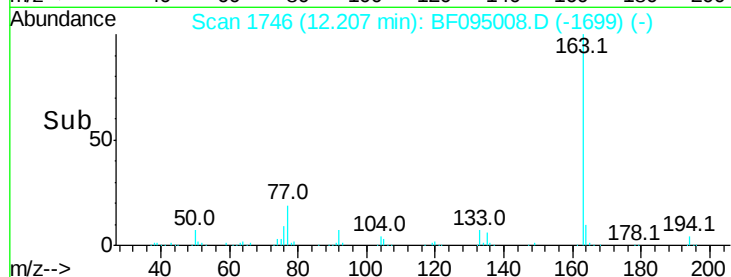
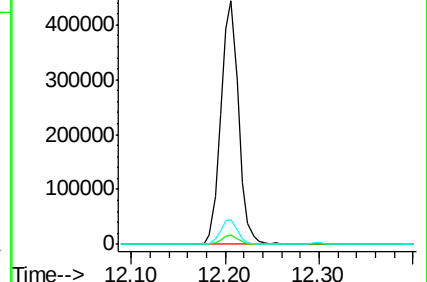
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.01 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

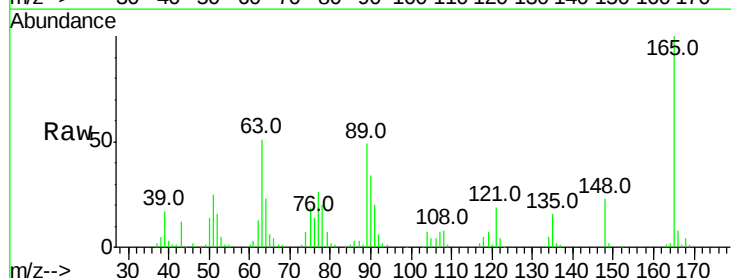
Tgt Ion:165 Resp: 120304

Ion Ratio Lower Upper

165 100

63 50.9 34.3 51.5

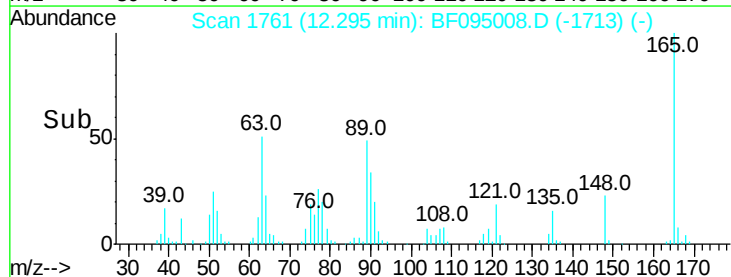
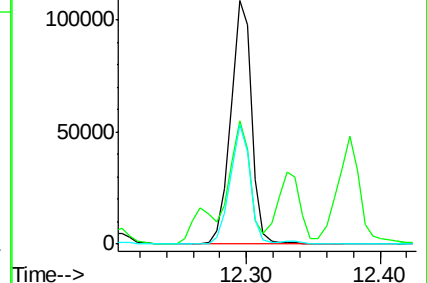
89 49.1 37.1 55.7

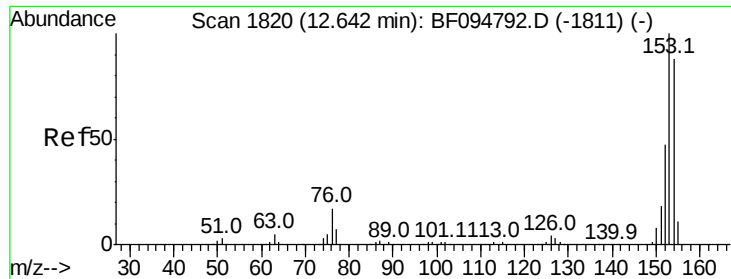


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.42 ng

RT: 12.62 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

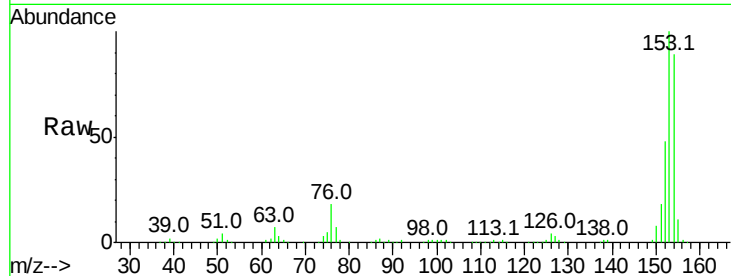
Tot Ion:154 Resp: 461281

Ion Ratio Lower Upper

154 100

153 112.1 90.5 135.7

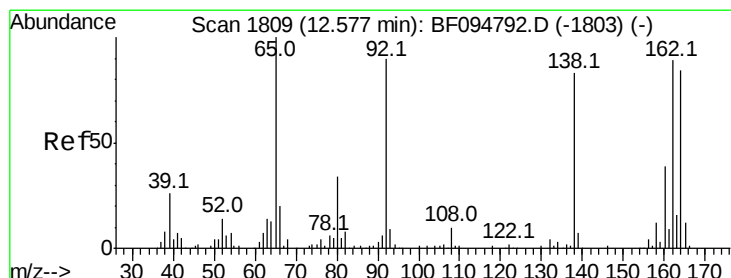
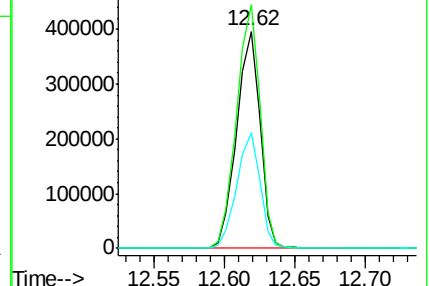
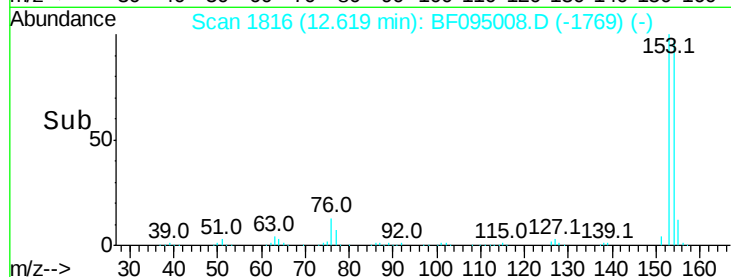
152 53.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.65 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

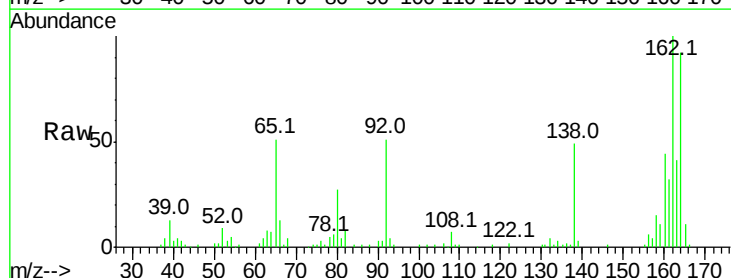
Tgt Ion:138 Resp: 63473

Ion Ratio Lower Upper

138 100

108 13.3 9.1 13.7

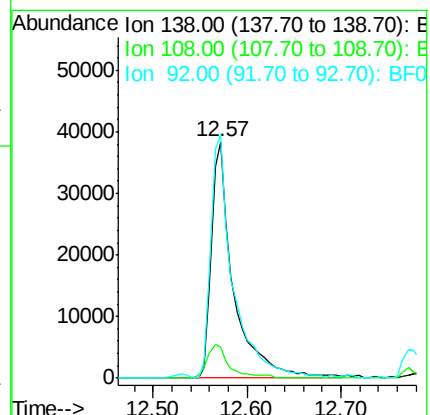
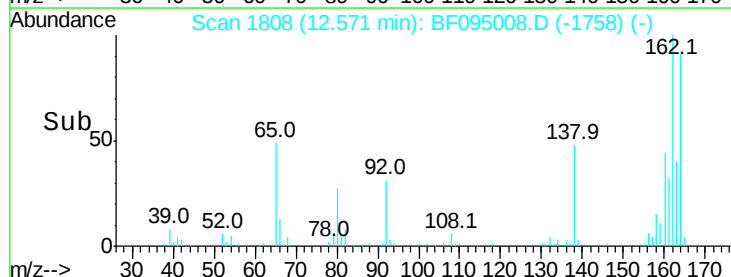
92 103.1 93.8 140.6

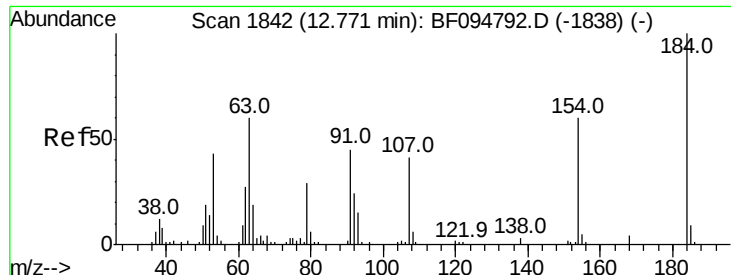


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

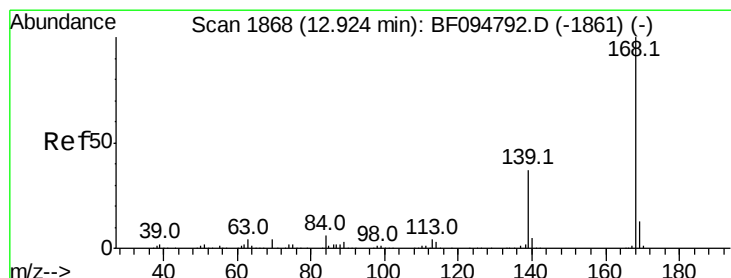
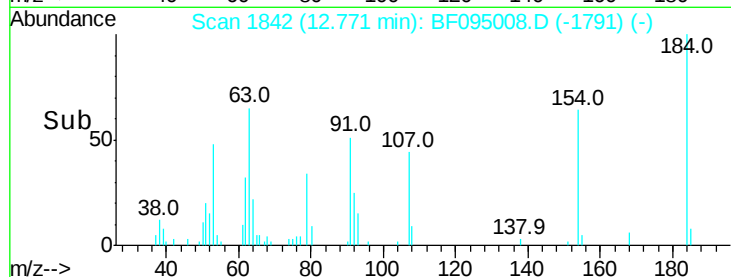
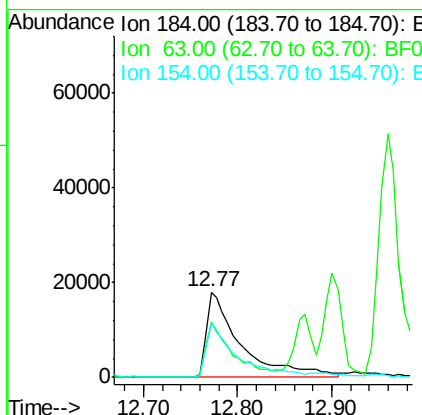
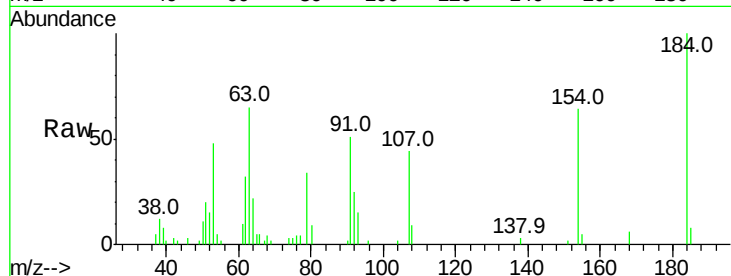




#53  
 2,4-Dinitrophenol  
 Concen: 32.90 ng  
 RT: 12.77 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

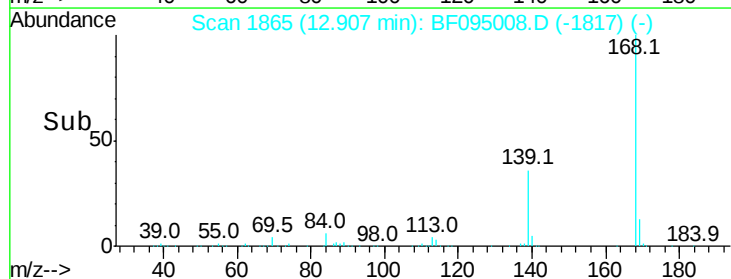
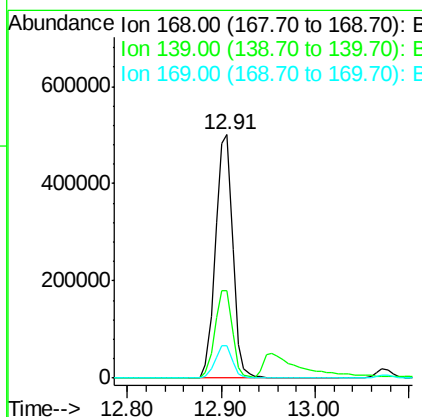
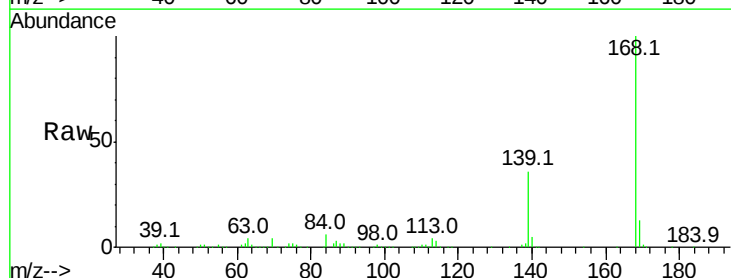
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 45604  
 Ion Ratio Lower Upper  
 184 100  
 63 64.7 62.7 94.1  
 154 64.1 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 43.03 ng  
 RT: 12.91 min Scan# 1865  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:168 Resp: 647568  
 Ion Ratio Lower Upper  
 168 100  
 139 35.9 30.6 45.8  
 169 13.2 10.8 16.2

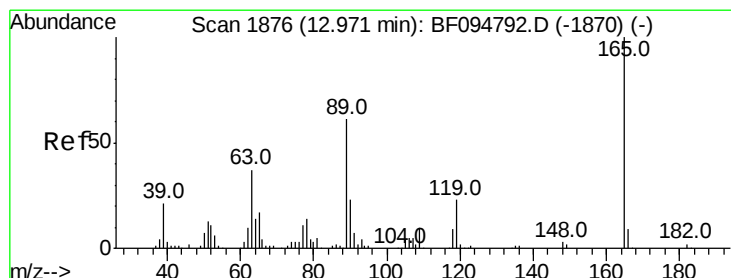
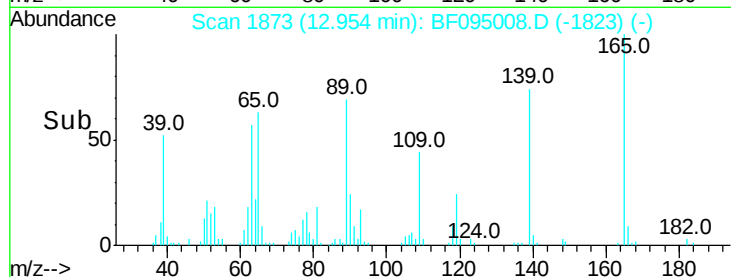
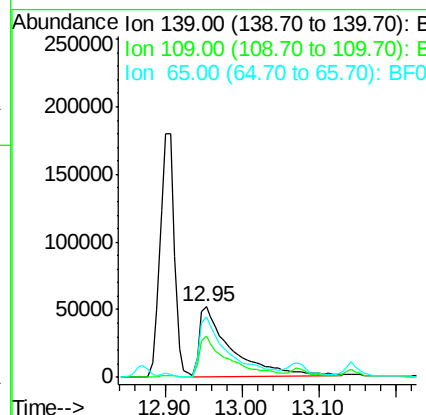
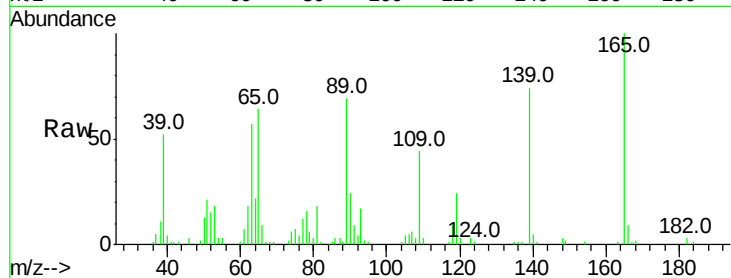




#55  
4-Nitrophenol  
Concen: 78.48 ng  
RT: 12.95 min Scan# 1873  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

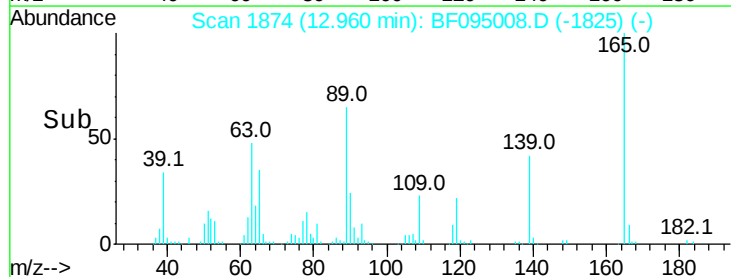
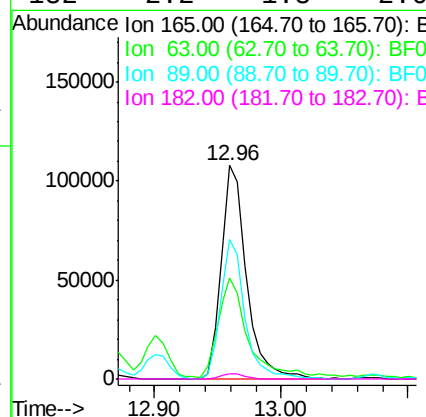
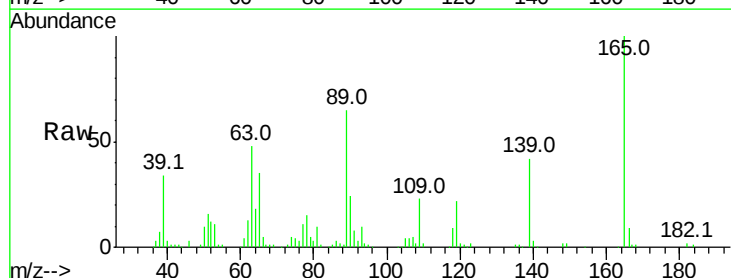
Instrument :  
BNA\_F  
ClientSampleId :

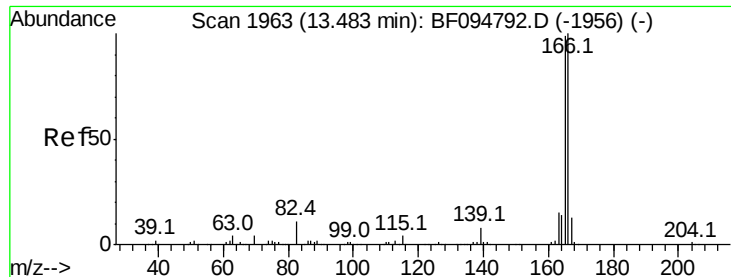
Tot Ion:139 Resp: 144881  
Ion Ratio Lower Upper  
139 100  
109 59.1 34.1 74.1  
65 86.0 31.4 71.4#



#56  
2,4-Dinitrotoluene  
Concen: 40.86 ng  
RT: 12.96 min Scan# 1874  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:165 Resp: 150345  
Ion Ratio Lower Upper  
165 100  
63 47.7 25.4 38.0#  
89 65.2 46.4 69.6  
182 2.2 1.8 2.6

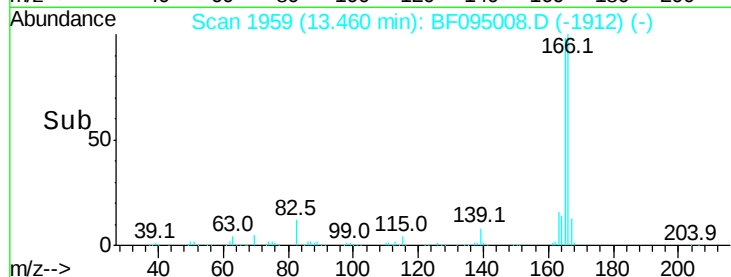
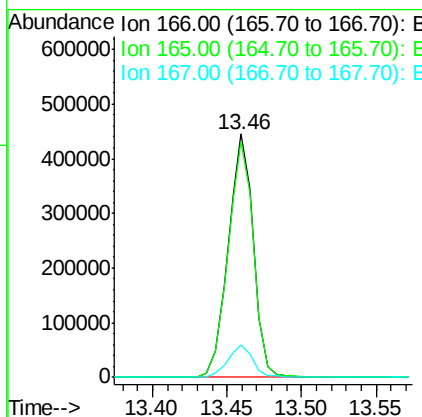
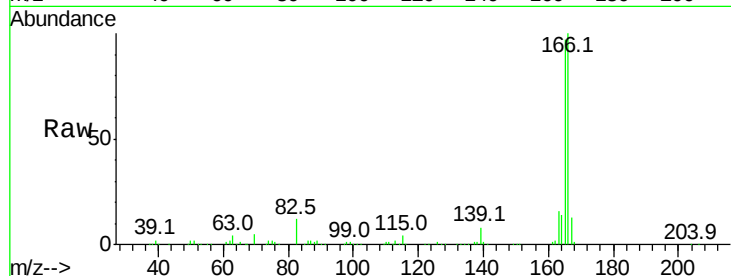




#57  
 Fluorene  
 Concen: 40.14 ng  
 RT: 13.46 min Scan# 1959  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

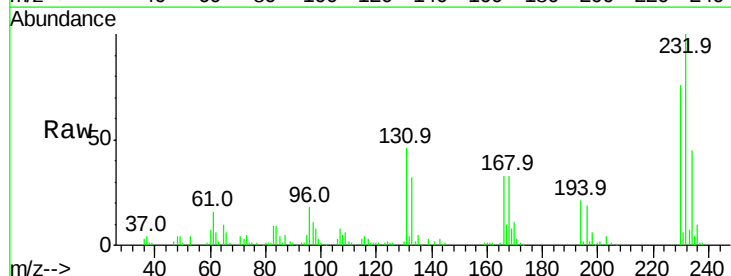
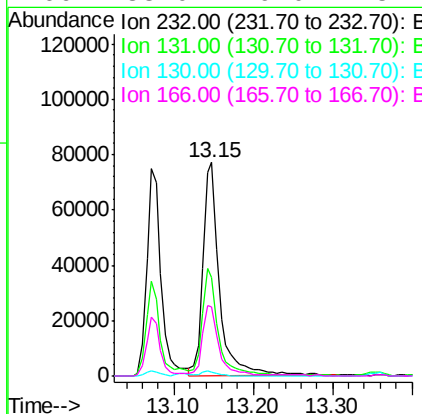
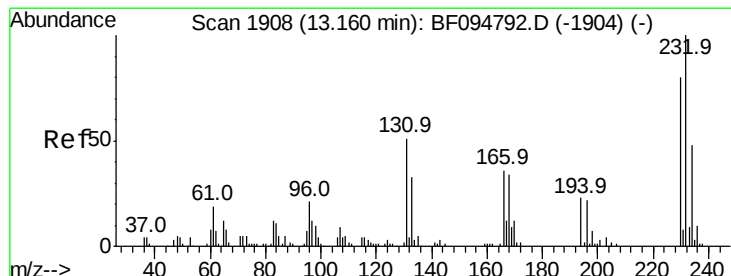
Instrument :  
 BNA\_F  
 ClientSampled :

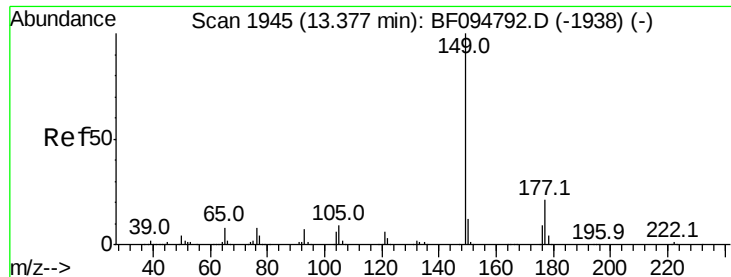
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.2  | 78.8  | 118.2 |
| 167     | 13.4  | 10.6  | 16.0  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.16 ng  
 RT: 13.15 min Scan# 1906  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 48.3  | 44.8  | 67.2  |
| 130     | 2.2   | 2.3   | 3.5#  |
| 166     | 33.0  | 29.0  | 43.4  |

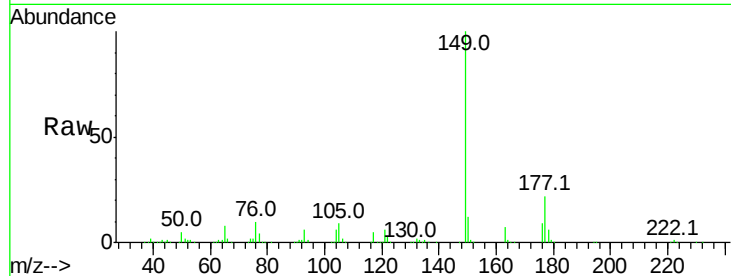




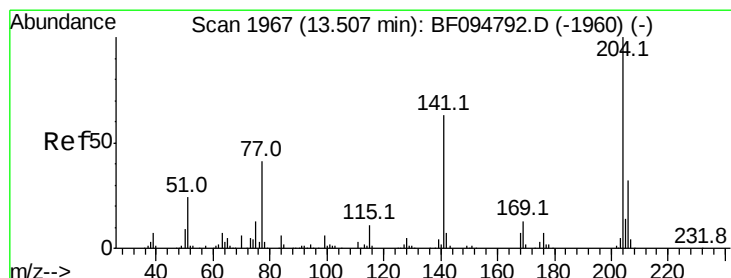
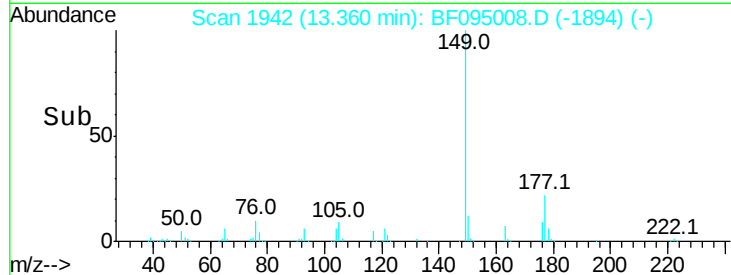
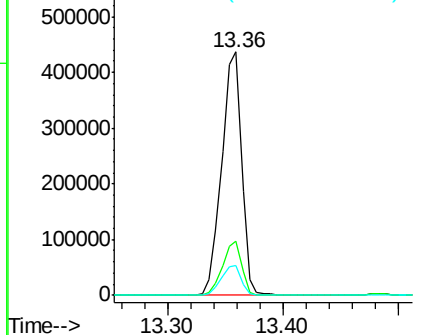
#59  
Diethylphthalate  
Concen: 39.14 ng  
RT: 13.36 min Scan# 1942  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.1  | 16.7  | 25.1  |
| 150     | 12.3  | 10.2  | 15.2  |

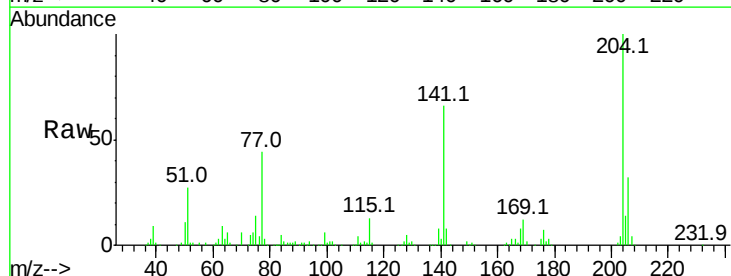


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

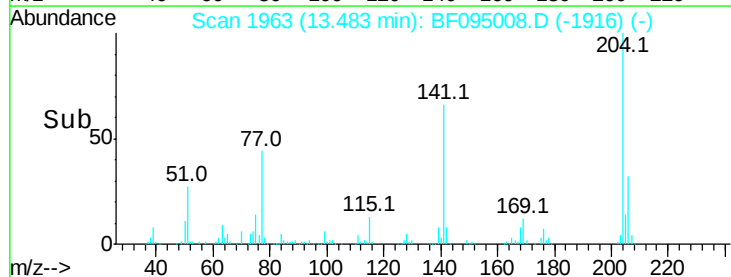
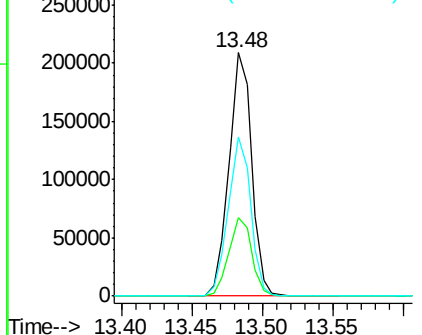


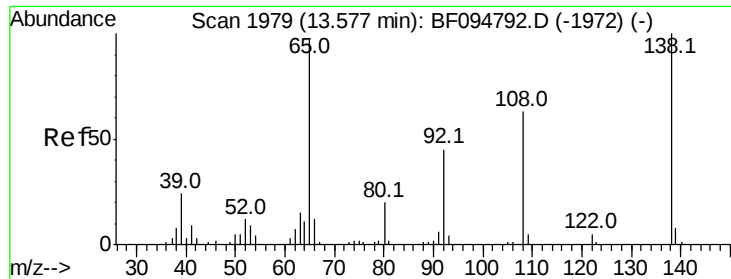
#60  
4-Chlorophenyl-phenylether  
Concen: 40.86 ng  
RT: 13.48 min Scan# 1963  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.1  | 26.2  | 39.2  |
| 141     | 65.6  | 60.8  | 91.2  |



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

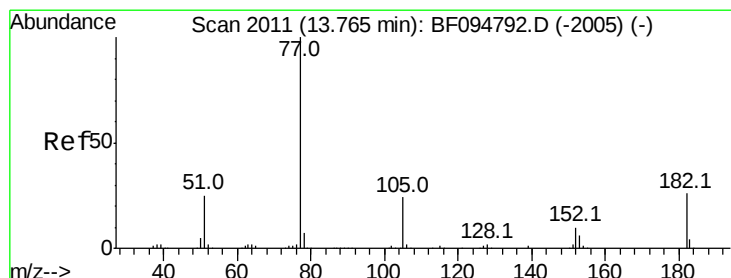
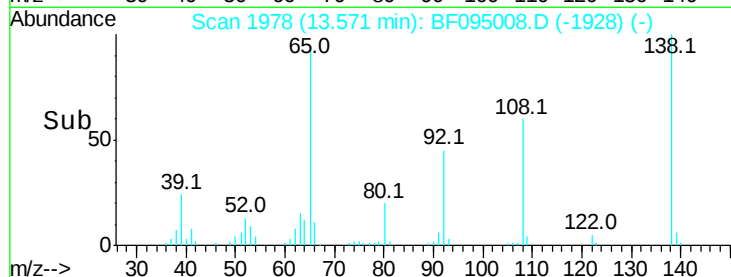
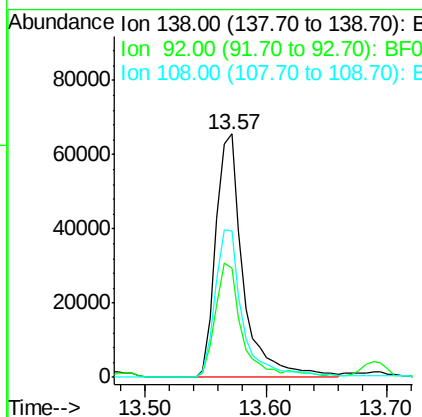
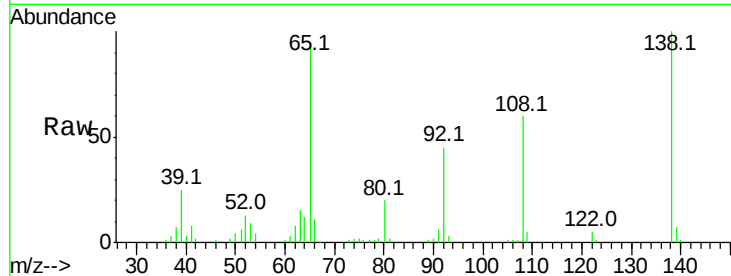




#61  
4-Nitroaniline  
Concen: 36.43 ng  
RT: 13.57 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

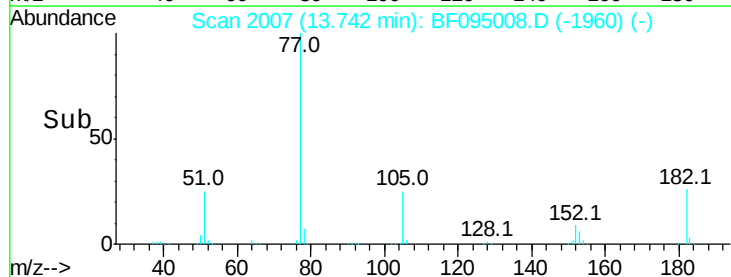
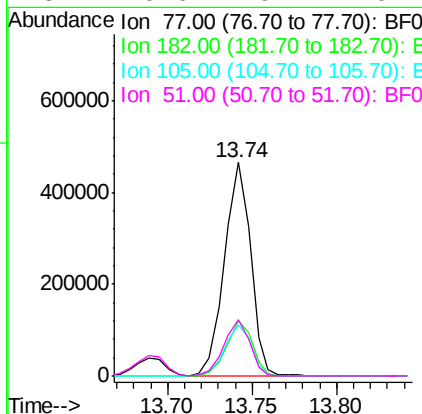
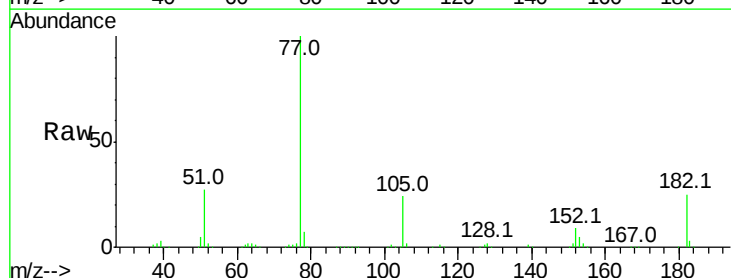
Instrument :  
BNA\_F  
ClientSampleId :

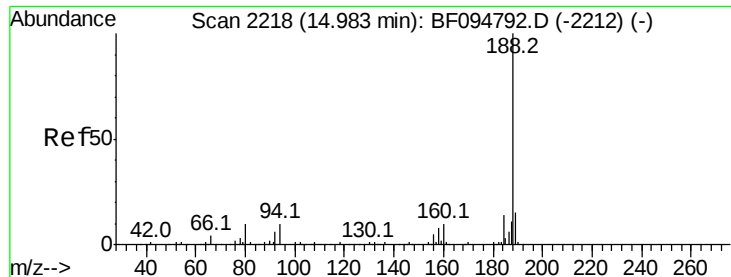
Tot Ion:138 Resp: 102792  
Ion Ratio Lower Upper  
138 100  
92 44.8 21.8 61.8  
108 60.3 42.3 82.3



#62  
Azobenzene  
Concen: 46.42 ng  
RT: 13.74 min Scan# 2007  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion: 77 Resp: 501794  
Ion Ratio Lower Upper  
77 100  
182 25.5 0.1 40.1  
105 24.1 3.6 43.6  
51 26.6 9.4 49.4

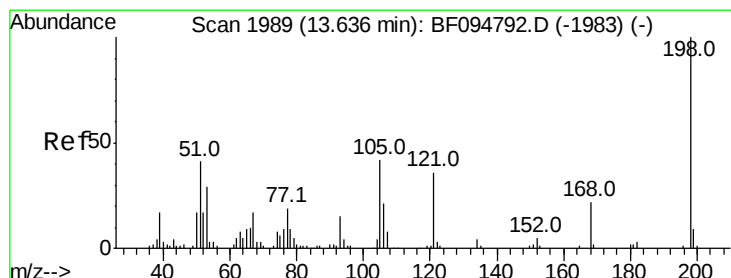
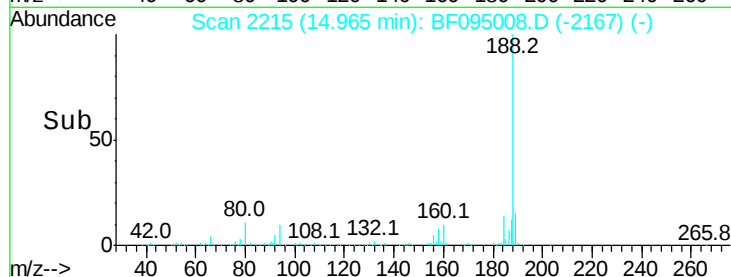
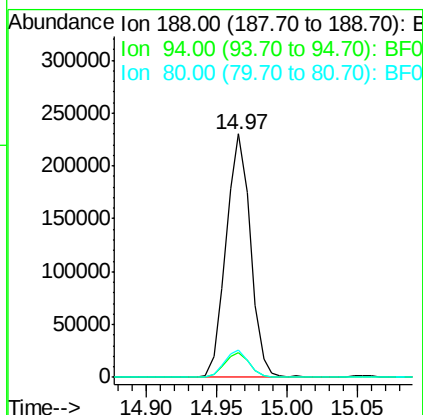
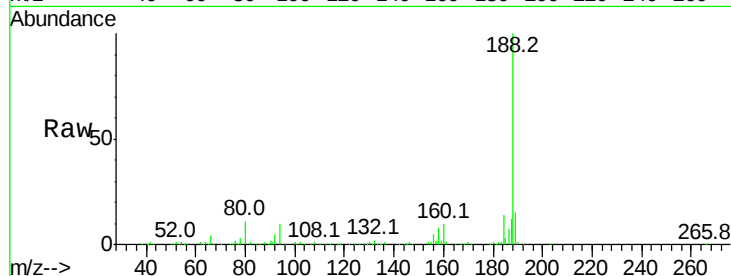




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.97 min Scan# 2215  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

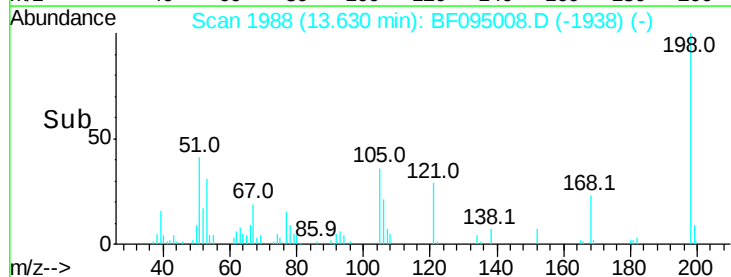
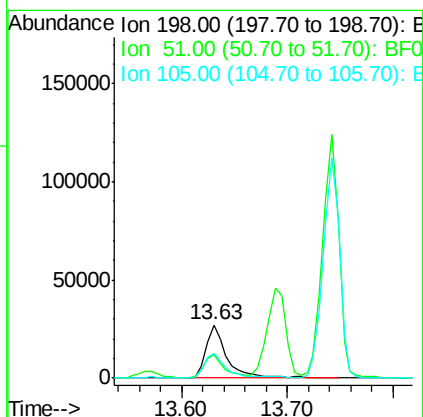
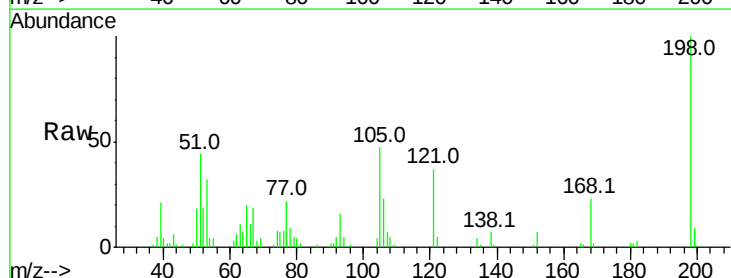
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 277228  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.4 14.2  
80 11.3 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 19.98 ng  
RT: 13.63 min Scan# 1988  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:198 Resp: 37132  
Ion Ratio Lower Upper  
198 100  
51 44.4 53.2 93.2#  
105 47.2 45.8 85.8





#65

n-Nitrosodiphenylamine

Concen: 46.70 ng

RT: 13.69 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

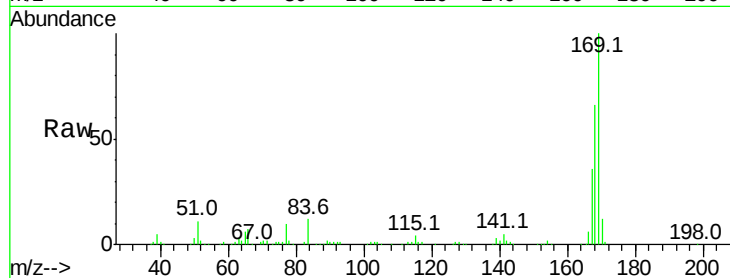
Tot Ion:169 Resp: 469861

Ion Ratio Lower Upper

169 100

168 65.9 53.2 79.8

167 36.0 29.5 44.3

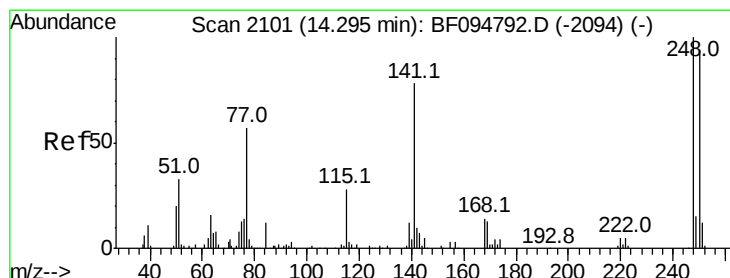
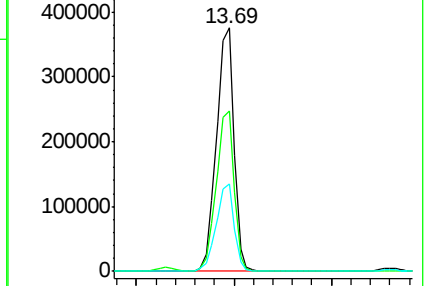
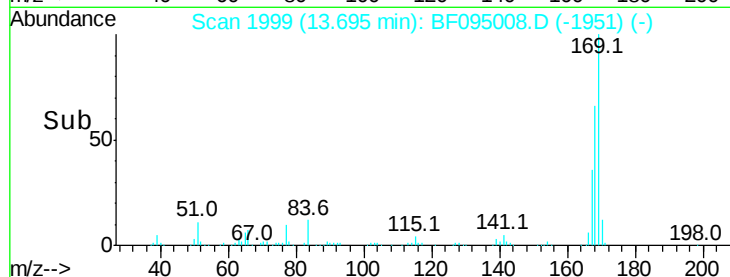


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

13.69



#66

4-Bromophenyl-phenylether

Concen: 44.05 ng

RT: 14.27 min Scan# 2097

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

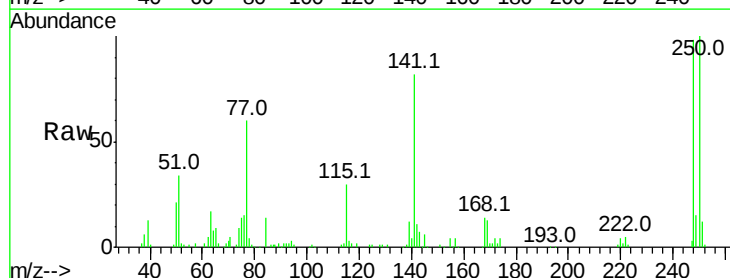
Tgt Ion:248 Resp: 129017

Ion Ratio Lower Upper

248 100

250 102.6 76.8 115.2

141 84.4 68.6 103.0

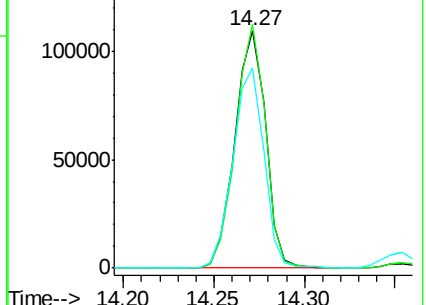
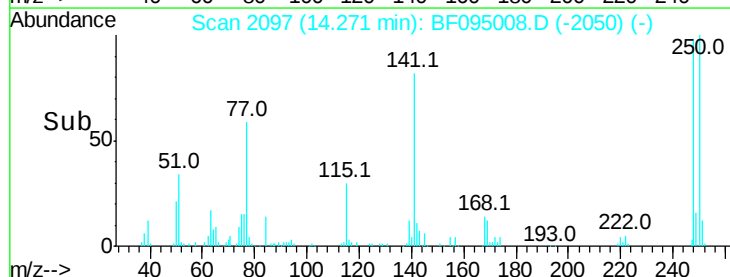


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

14.27





#67

Hexachlorobenzene

Concen: 38.48 ng

RT: 14.35 min Scan# 2111

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampled :

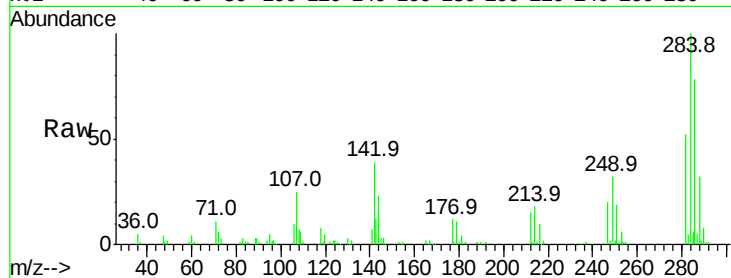
Tot Ion:284 Resp: 115497

Ion Ratio Lower Upper

284 100

142 39.2 22.8 34.2#

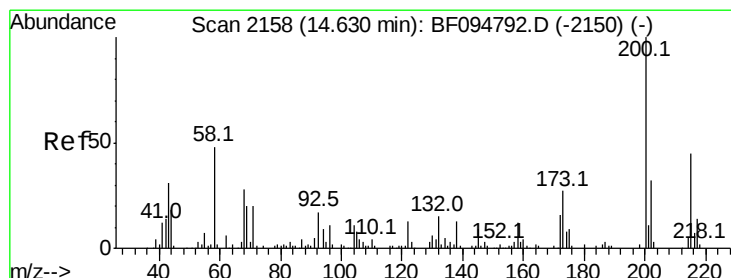
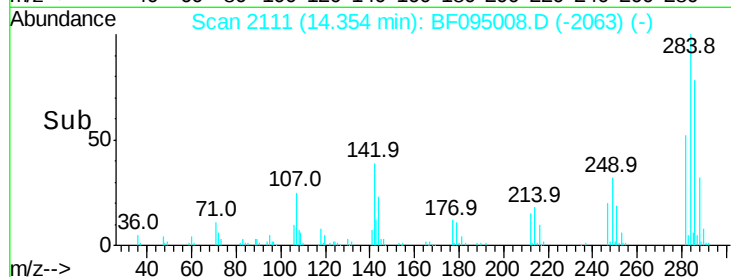
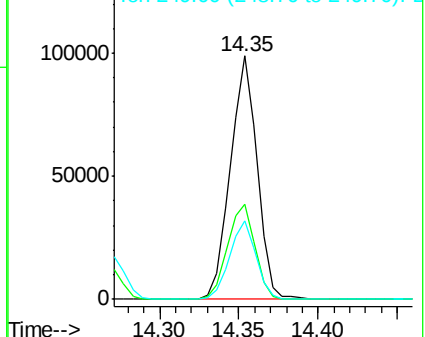
249 32.4 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 44.35 ng

RT: 14.61 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

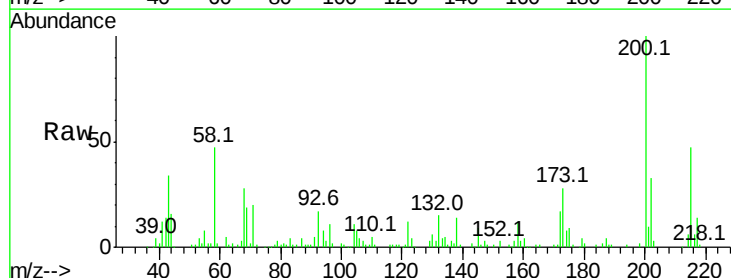
Tgt Ion:200 Resp: 125983

Ion Ratio Lower Upper

200 100

173 28.2 6.3 46.3

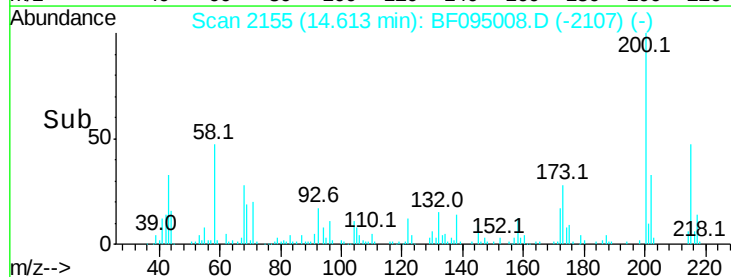
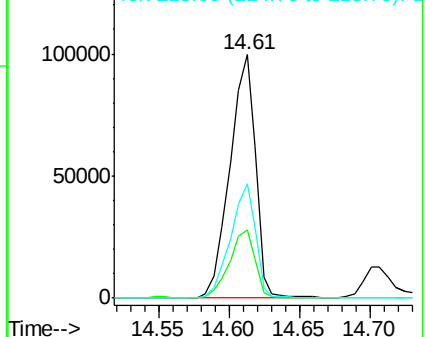
215 47.0 27.2 67.2

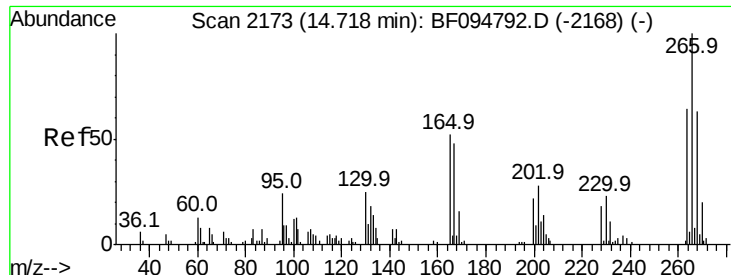


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

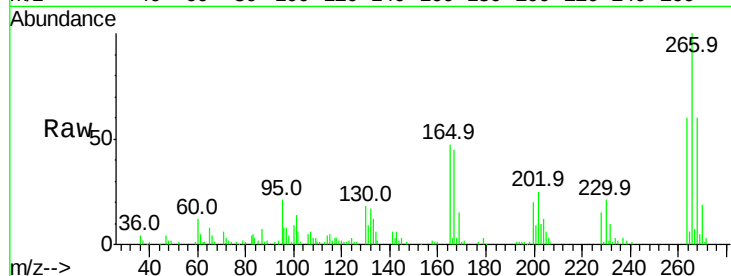




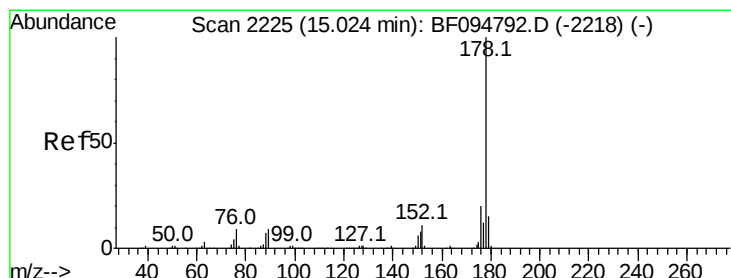
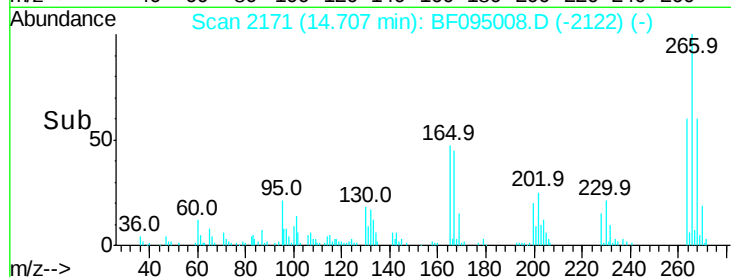
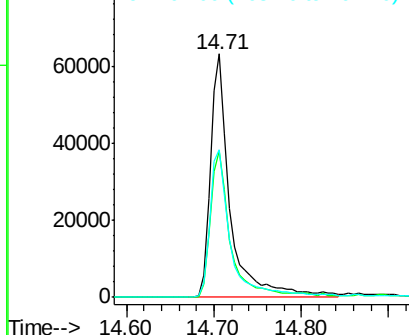
#69  
 Pentachlorophenol  
 Concen: 73.82 ng  
 RT: 14.71 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 99522  
 Ion Ratio Lower Upper  
 266 100  
 268 60.0 51.1 76.7  
 264 60.5 51.7 77.5

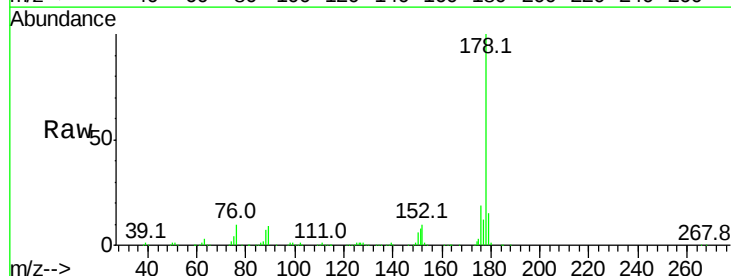


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

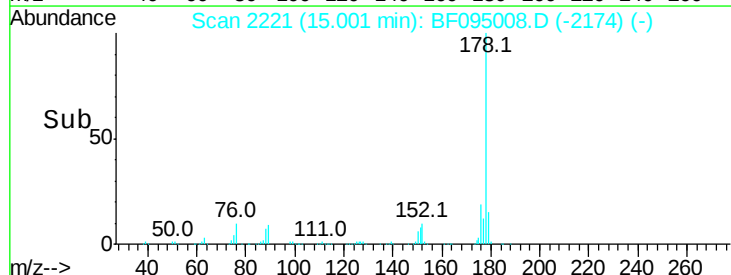
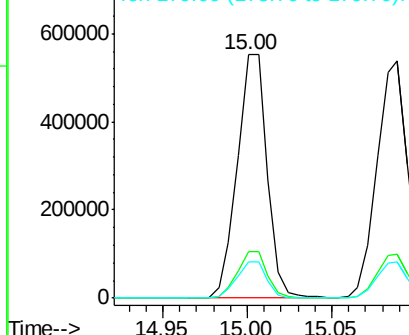


#70  
 Phenanthrene  
 Concen: 42.96 ng  
 RT: 15.00 min Scan# 2221  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:178 Resp: 684244  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 16.2 24.4  
 179 14.8 12.6 19.0



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

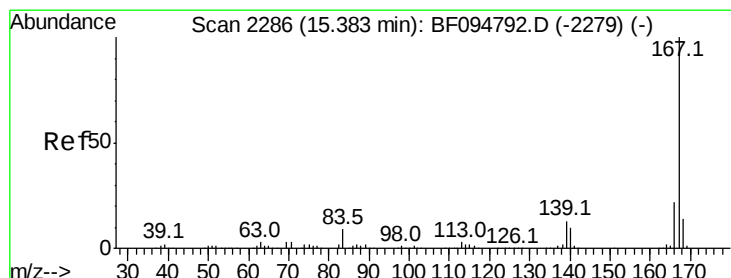
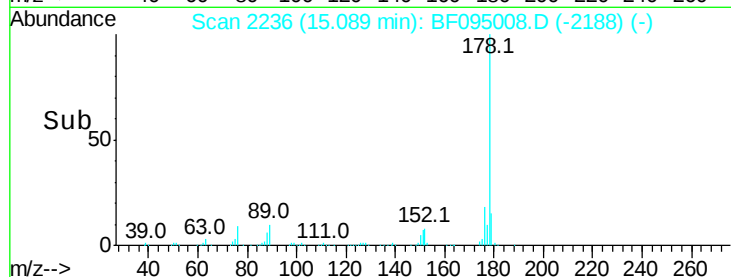
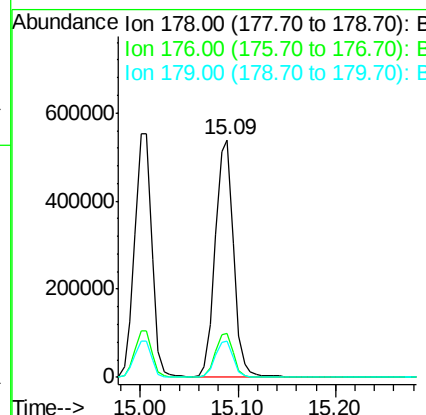
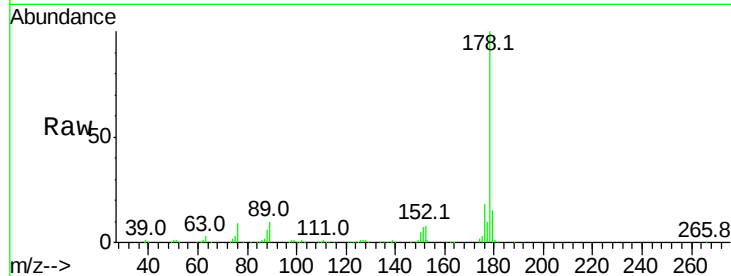




#71  
 Anthracene  
 Concen: 43.07 ng  
 RT: 15.09 min Scan# 2236  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

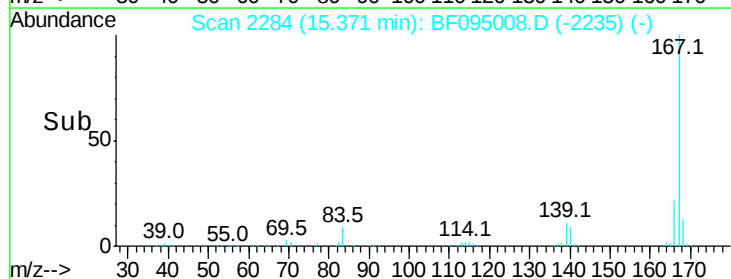
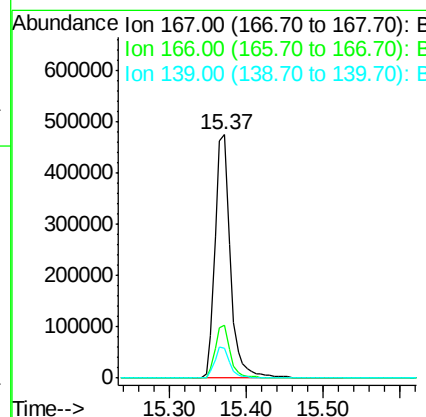
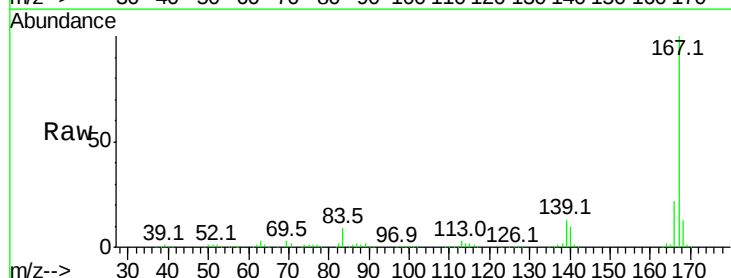
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 700704  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.8 23.8  
 179 15.0 12.7 19.1



#72  
 Carbazole  
 Concen: 43.73 ng  
 RT: 15.37 min Scan# 2284  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:167 Resp: 647423  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 18.1 27.1  
 139 12.5 11.7 17.5

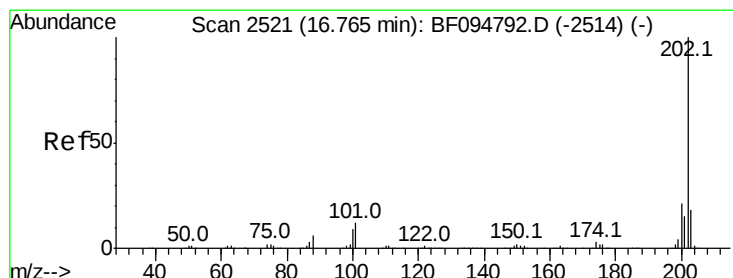
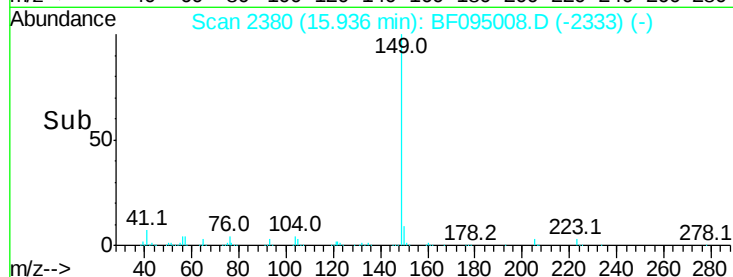
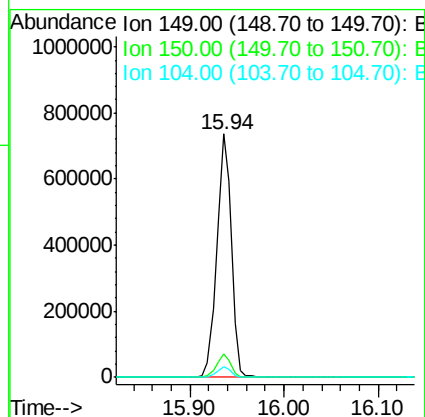
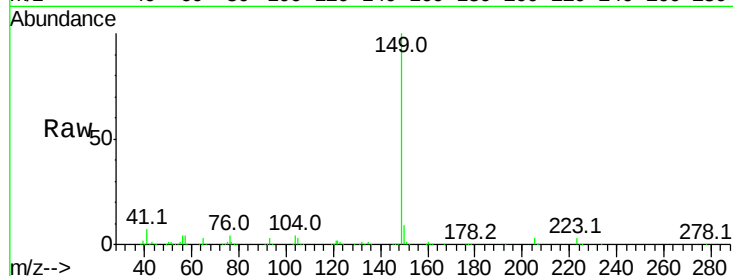




#73  
Di-n-butylphthalate  
Concen: 43.85 ng  
RT: 15.94 min Scan# 2380  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

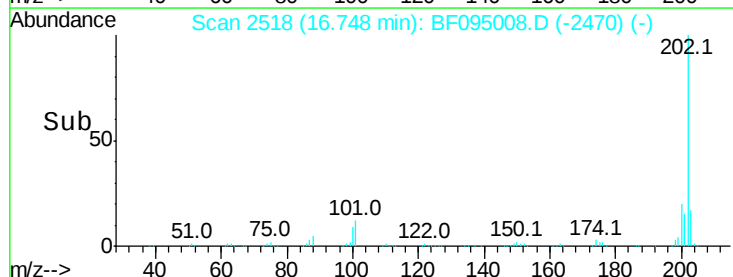
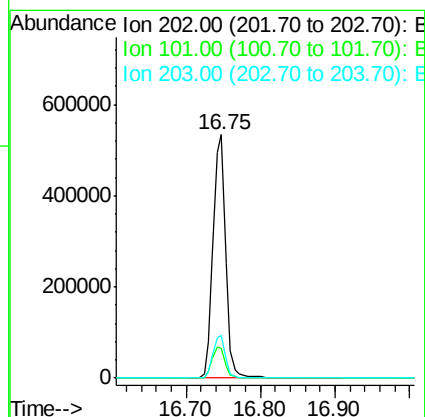
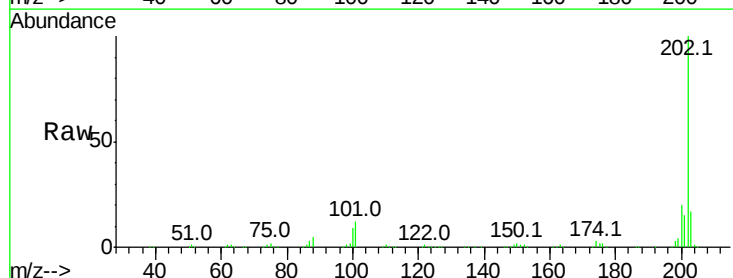
Instrument :  
BNA\_F  
ClientSampleId :

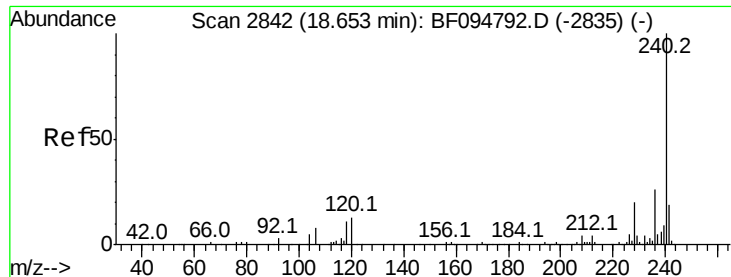
Tot Ion:149 Resp: 809544  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.7 11.5  
104 4.1 4.0 6.0



#74  
Fluoranthene  
Concen: 38.04 ng  
RT: 16.75 min Scan# 2518  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:202 Resp: 621564  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 33.2  
203 17.3 0.0 38.1

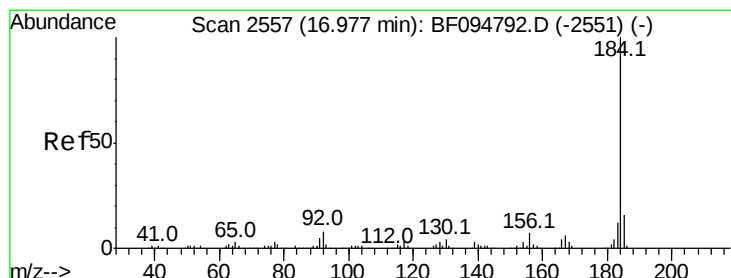
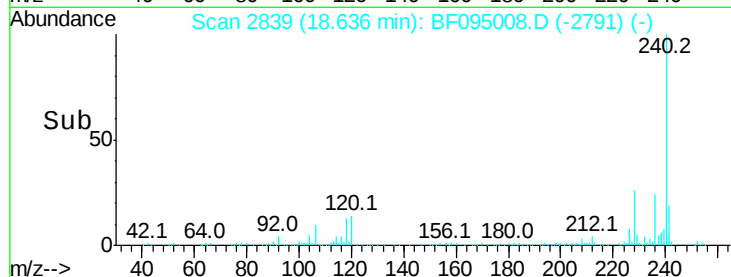
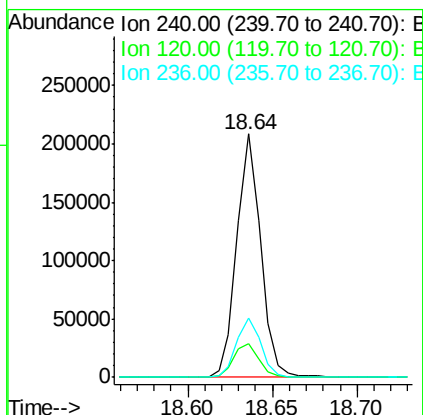
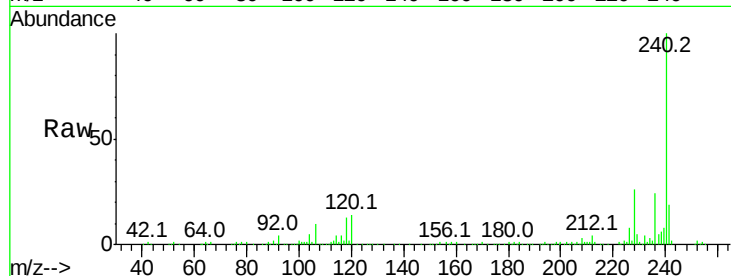




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.64 min Scan# 2839  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

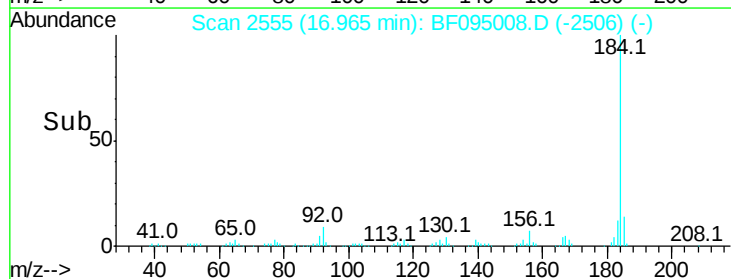
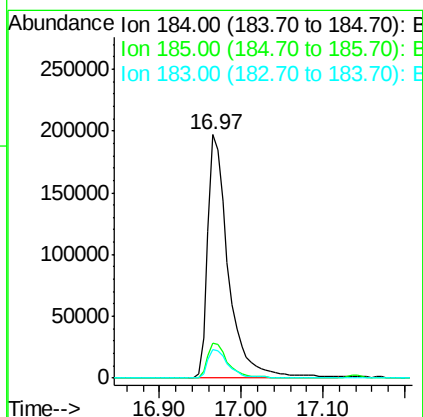
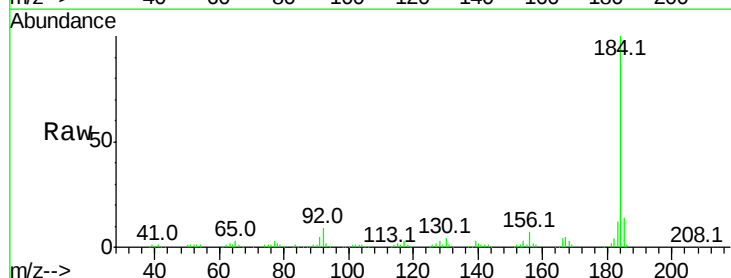
Instrument :  
 BNA\_F  
 ClientSampleId :

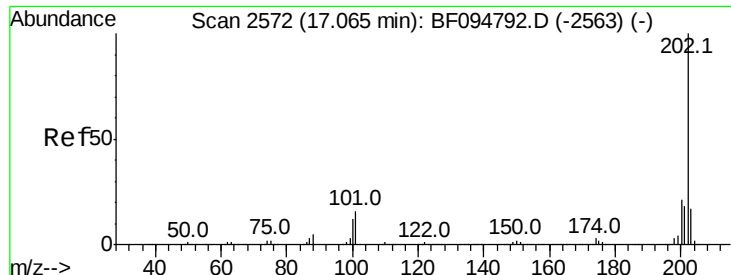
Tot Ion:240 Resp: 206562  
 Ion Ratio Lower Upper  
 240 100  
 120 14.1 5.8 8.8#  
 236 24.1 20.5 30.7



#76  
 Benzidine  
 Concen: 60.34 ng  
 RT: 16.97 min Scan# 2555  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:184 Resp: 348076  
 Ion Ratio Lower Upper  
 184 100  
 185 14.1 15.5 23.3#  
 183 11.9 9.8 14.6

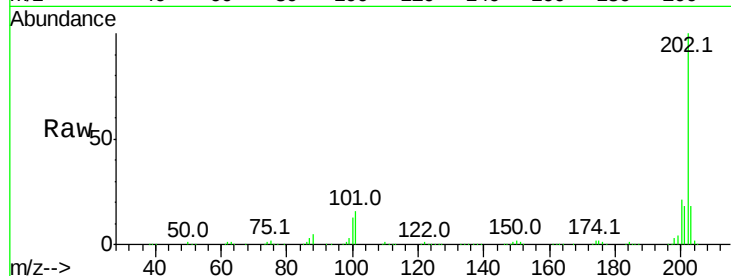




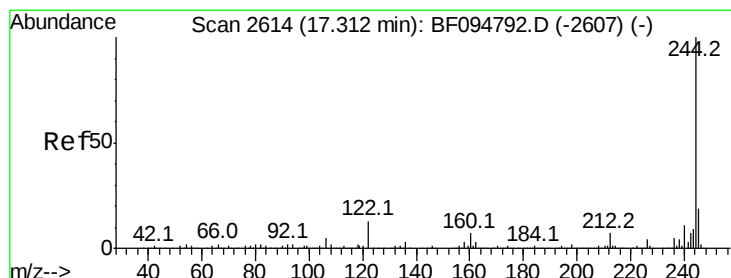
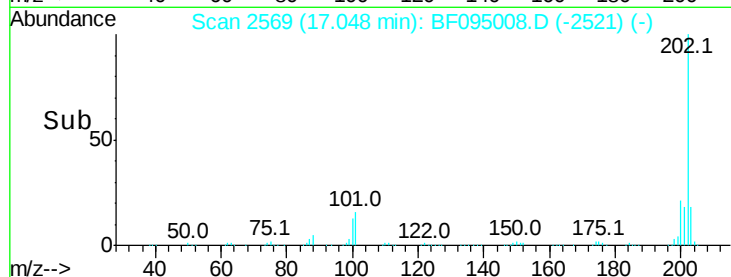
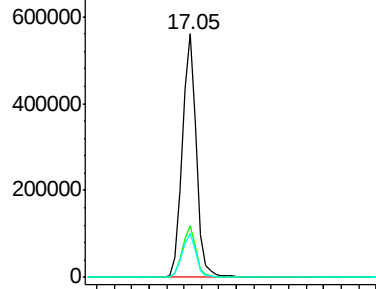
#77  
 Pvrene  
 Concen: 40.56 ng  
 RT: 17.05 min Scan# 2569  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:202 Resp: 626522  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 17.6 26.4  
 203 18.1 14.4 21.6

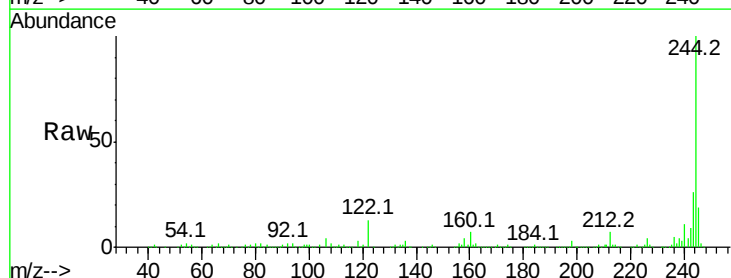


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

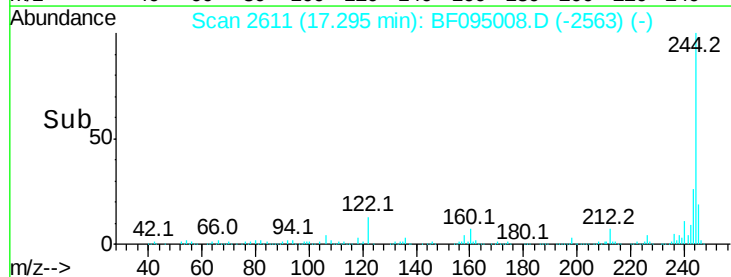
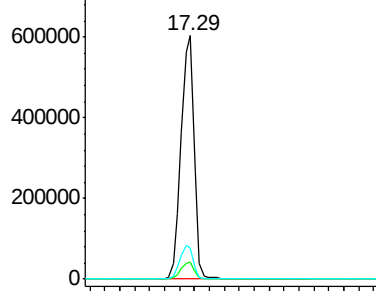


#78  
 Terphenyl-d14  
 Concen: 78.12 ng  
 RT: 17.29 min Scan# 2611  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:244 Resp: 732646  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 13.0 10.3 15.5



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

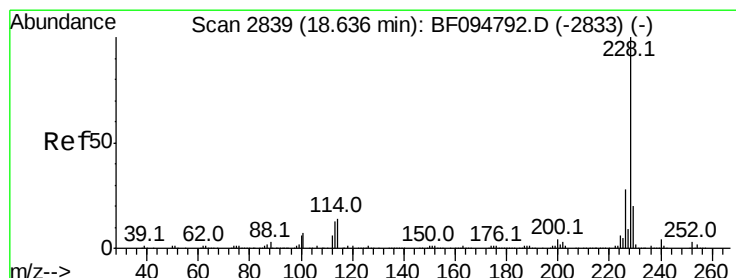
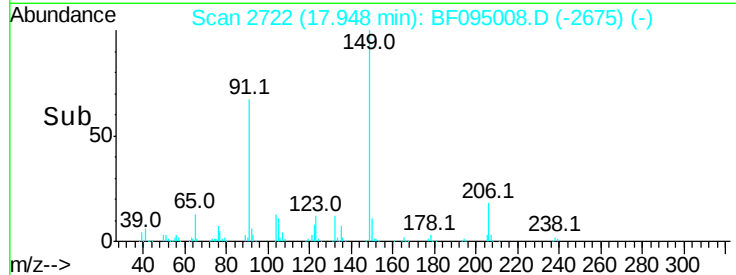
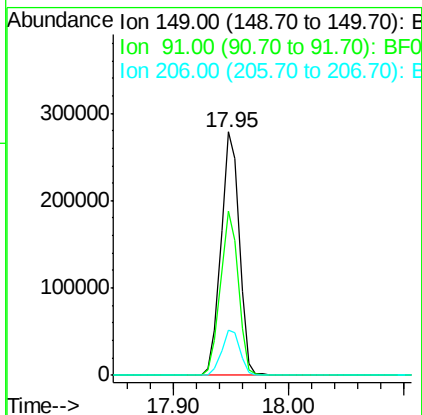
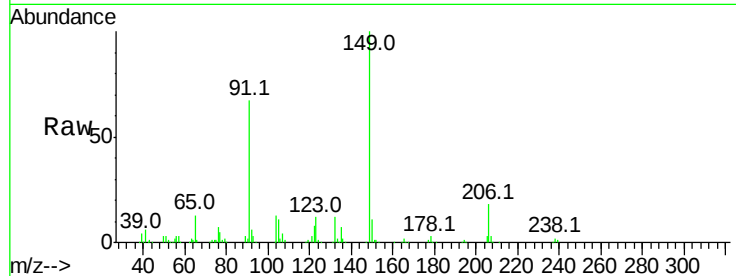




#79  
Butylbenzylphthalate  
Concen: 42.84 ng  
RT: 17.95 min Scan# 2722  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

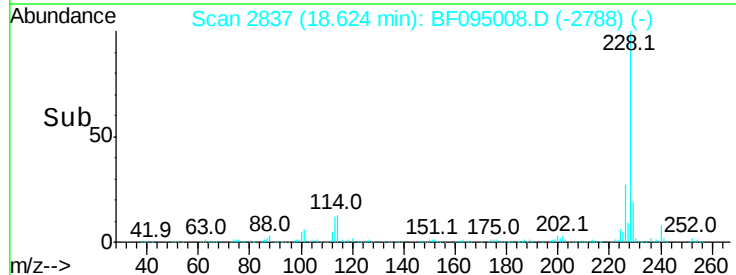
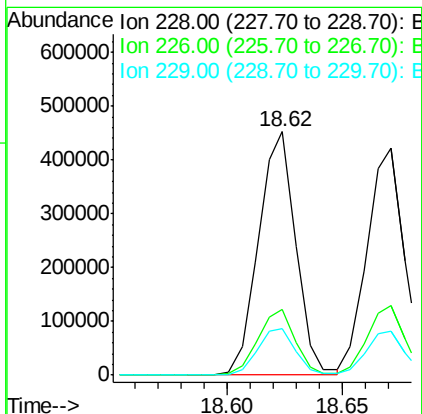
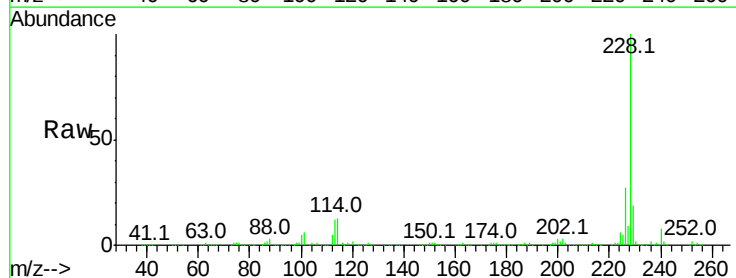
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 307836  
Ion Ratio Lower Upper  
149 100  
91 67.5 45.0 67.4#  
206 18.3 17.0 25.6



#80  
Benzo(a)anthracene  
Concen: 42.24 ng  
RT: 18.62 min Scan# 2837  
Delta R.T. -0.01 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:228 Resp: 507844  
Ion Ratio Lower Upper  
228 100  
226 26.8 22.6 33.8  
229 19.1 16.3 24.5

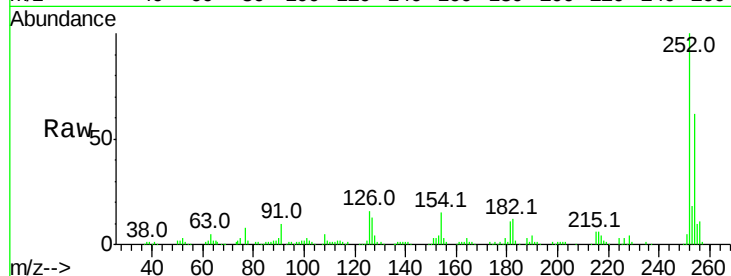




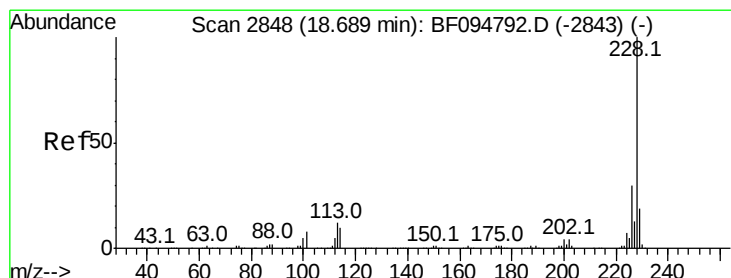
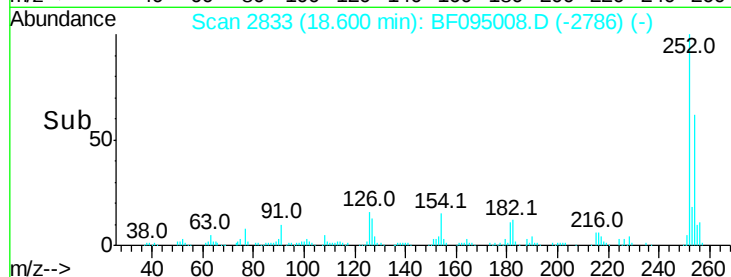
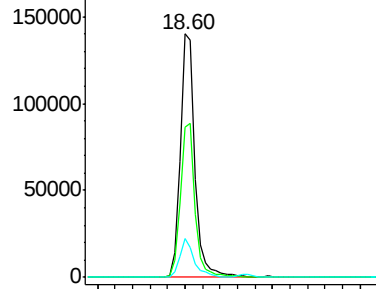
#81  
 3,3'-Dichlorobenzidine  
 Concen: 39.44 ng  
 RT: 18.60 min Scan# 2833  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 163760  
 Ion Ratio Lower Upper  
 252 100  
 254 61.6 51.5 77.3  
 126 15.7 15.8 23.8#

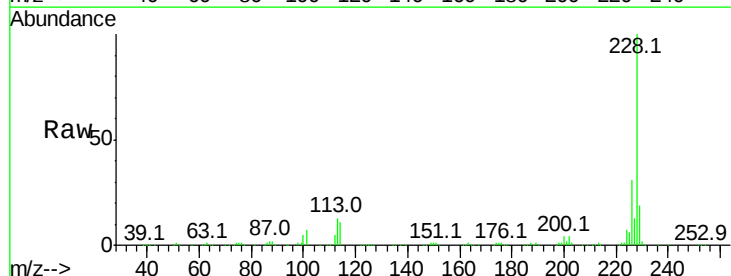


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

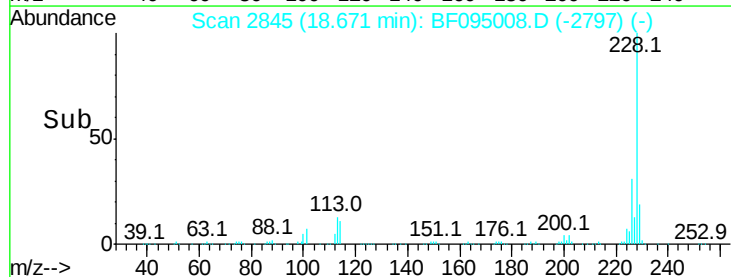
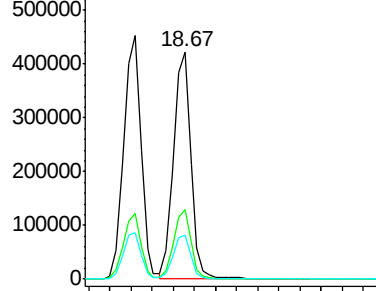


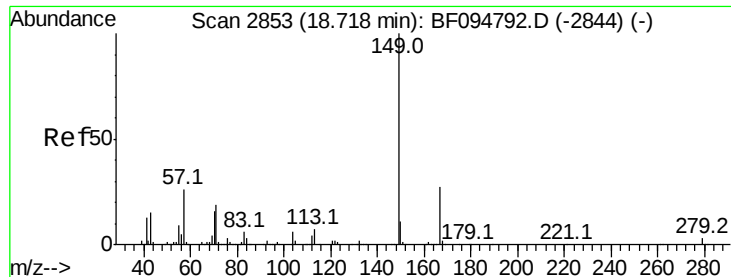
#82  
 Chrysene  
 Concen: 41.46 ng  
 RT: 18.67 min Scan# 2845  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:228 Resp: 481954  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 24.9 37.3  
 229 19.4 15.8 23.6



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

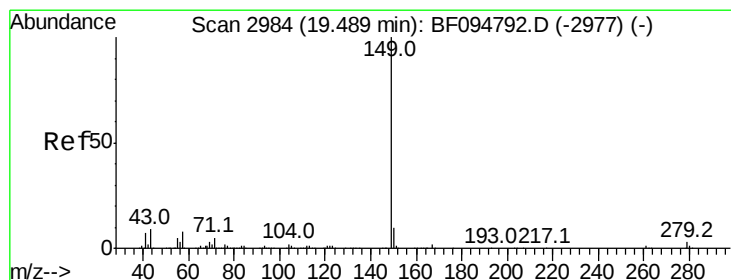
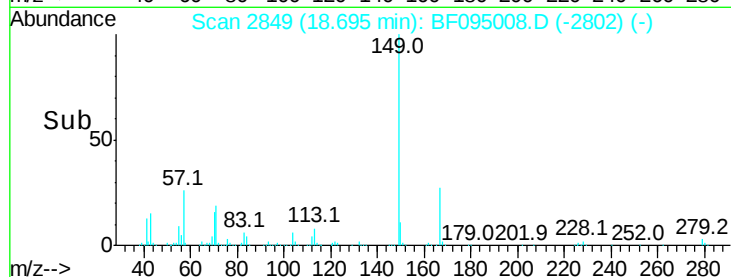
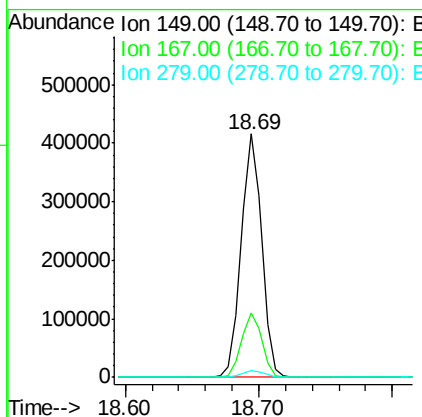
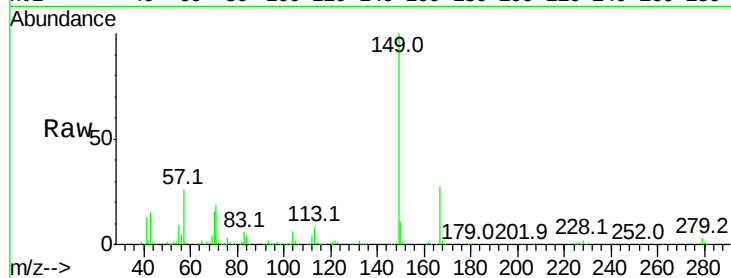




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.36 ng  
 RT: 18.69 min Scan# 2849  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

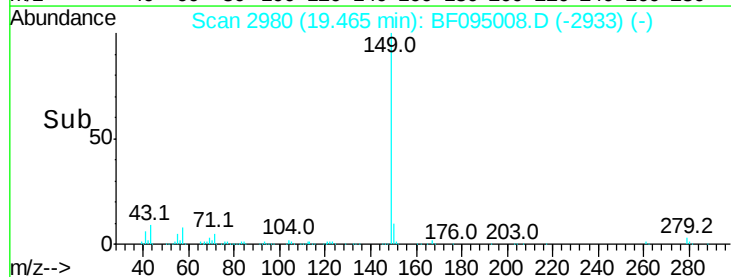
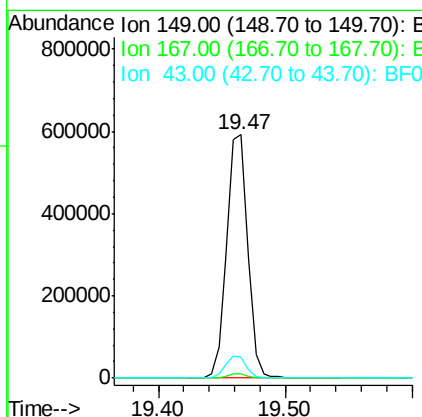
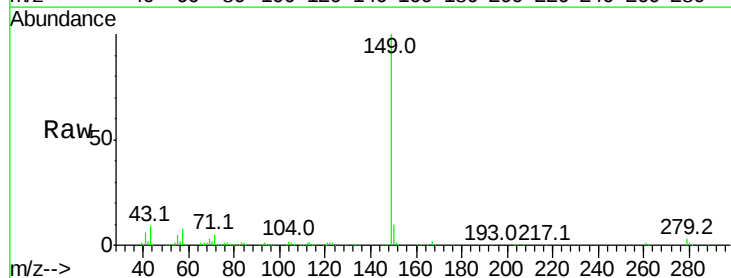
Instrument :  
 BNA\_F  
 ClientSampled :

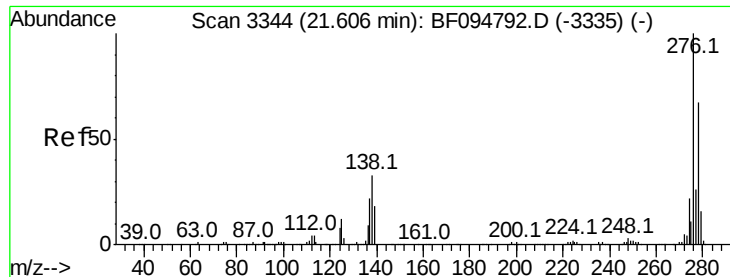
Tot Ion:149 Resp: 443958  
 Ion Ratio Lower Upper  
 149 100  
 167 26.6 21.0 31.4  
 279 3.0 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 40.34 ng  
 RT: 19.47 min Scan# 2980  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

Tgt Ion:149 Resp: 677170  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 9.2 8.5 12.7

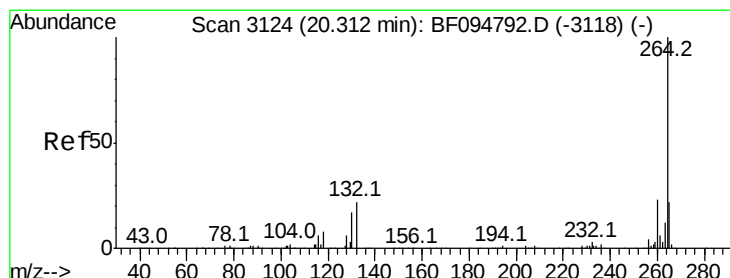
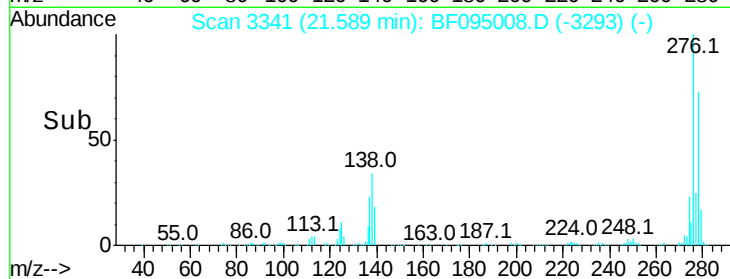
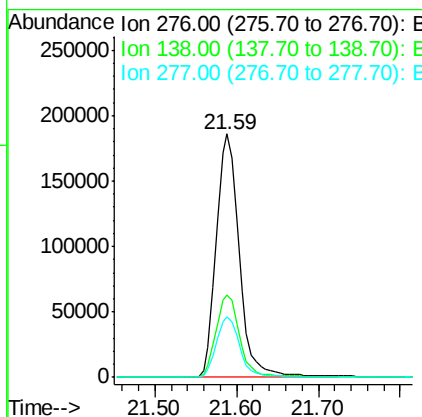
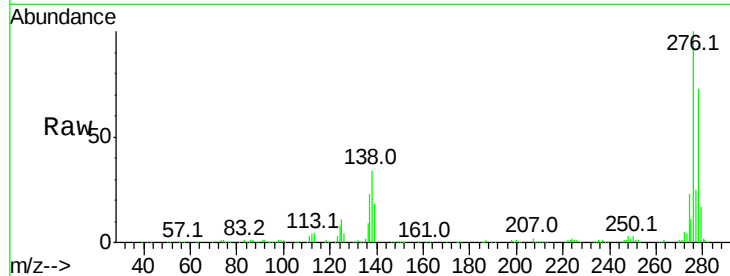




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.80 ng  
 RT: 21.59 min Scan# 3341  
 Delta R.T. -0.02 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

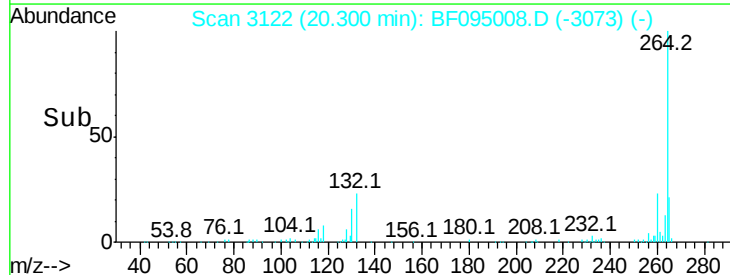
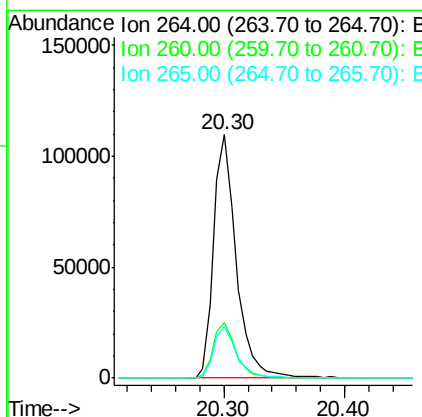
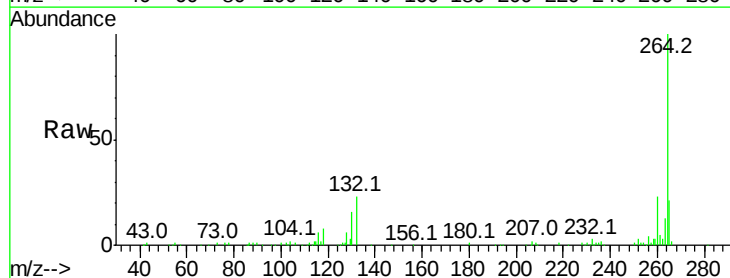
Instrument :  
 BNA\_F  
 ClientSampleId :

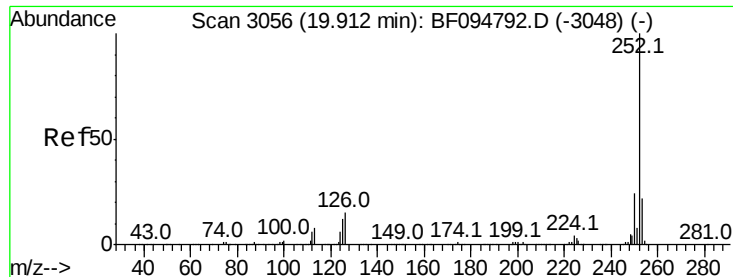
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 35.3  | 27.8  | 41.6  |
| 277     | 25.2  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.30 min Scan# 3122  
 Delta R.T. -0.01 min  
 Lab File: BF095008.D  
 Acq: 9 May 2017 6:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.5  | 29.3  |
| 265     | 21.2  | 17.2  | 25.8  |

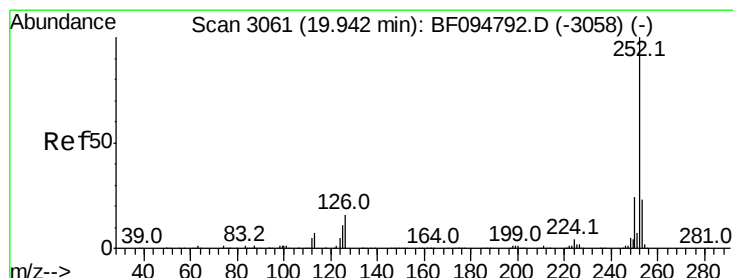
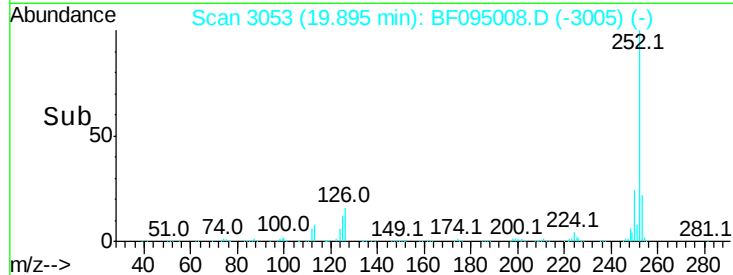
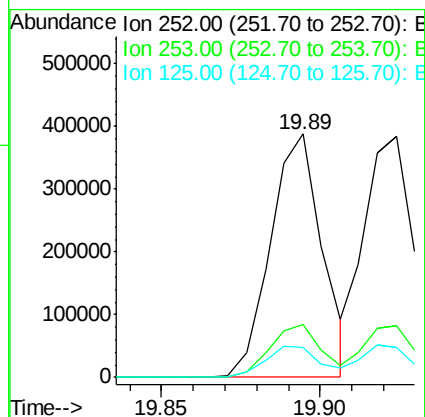
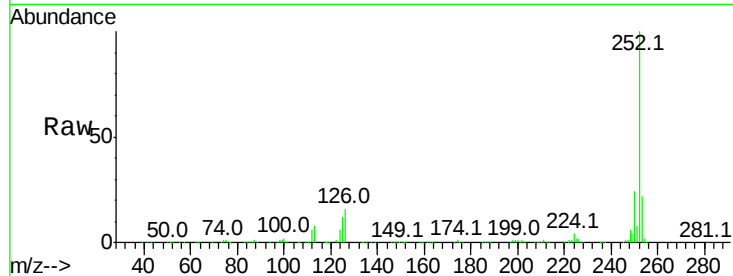




#87  
Benzo(b)fluoranthene  
Concen: 50.25 ng  
RT: 19.89 min Scan# 3053  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

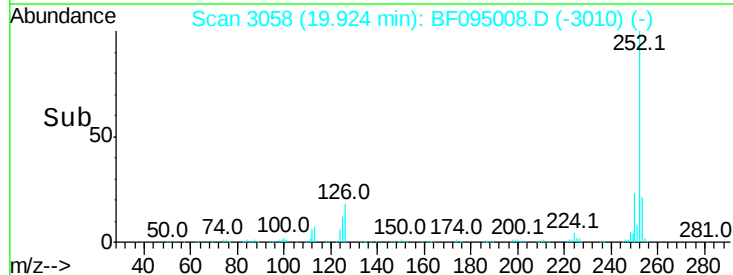
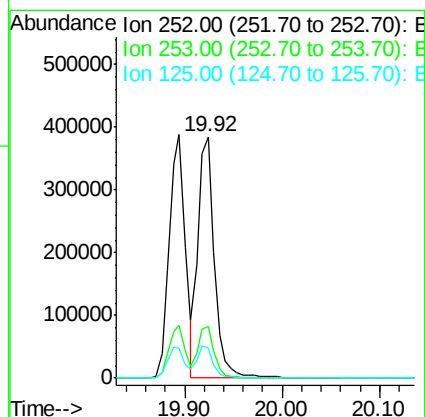
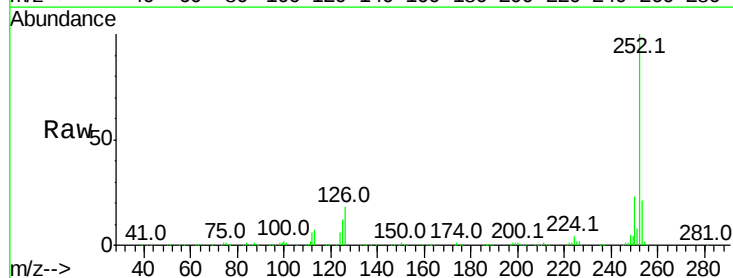
Instrument :  
BNA\_F  
ClientSampleId :

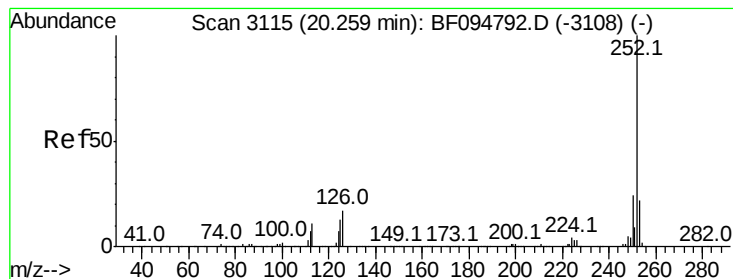
Tot Ion:252 Resp: 439557  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.1 27.1  
125 12.1 9.8 14.8



#88  
Benzo(k)fluoranthene  
Concen: 53.08 ng  
RT: 19.92 min Scan# 3058  
Delta R.T. -0.02 min  
Lab File: BF095008.D  
Acq: 9 May 2017 6:46

Tgt Ion:252 Resp: 447889  
Ion Ratio Lower Upper  
252 100  
253 21.4 18.4 27.6  
125 12.2 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 45.11 ng

RT: 20.24 min Scan# 3112

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :

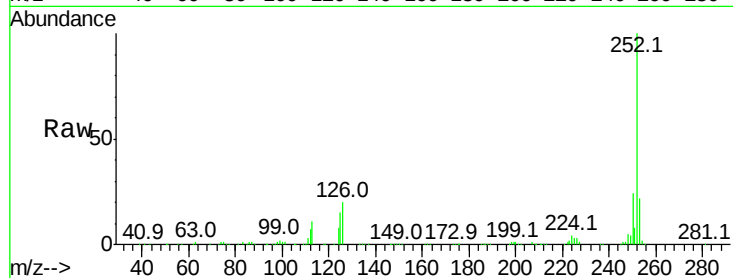
Tot Ion:252 Resp: 364158

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

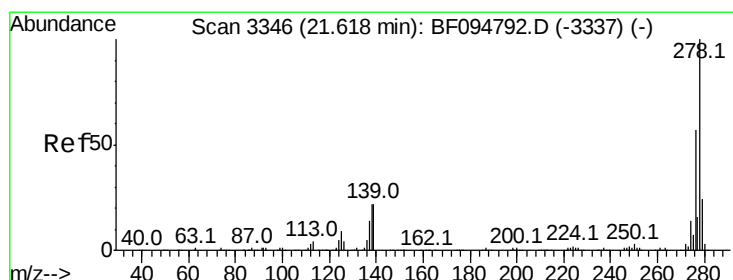
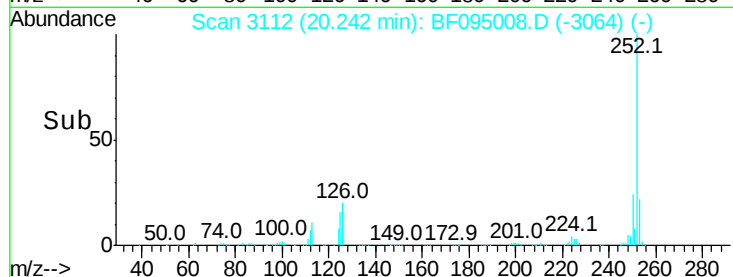
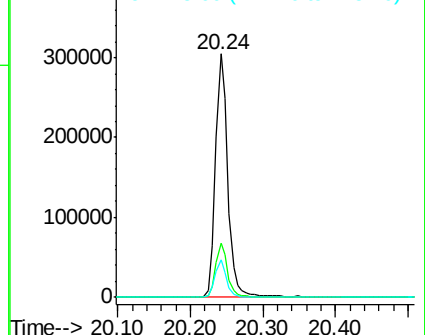
125 15.5 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 46.25 ng

RT: 21.59 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BF095008.D

Acq: 9 May 2017 6:46

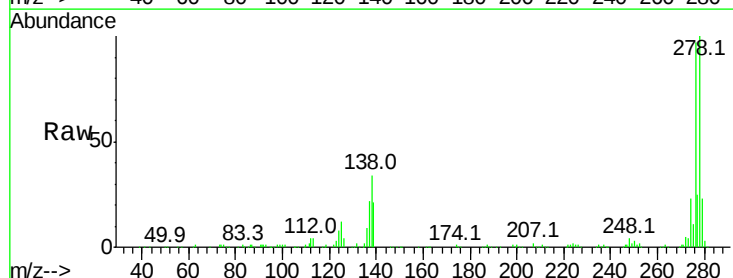
Tgt Ion:278 Resp: 308333

Ion Ratio Lower Upper

278 100

139 21.3 16.6 24.8

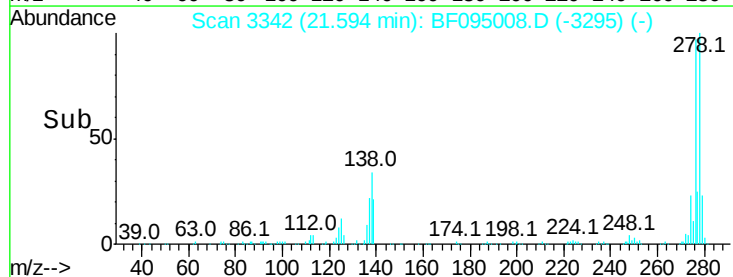
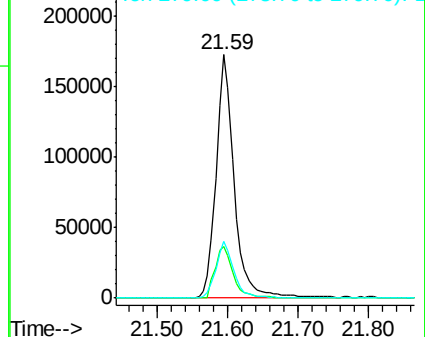
279 23.1 19.3 28.9

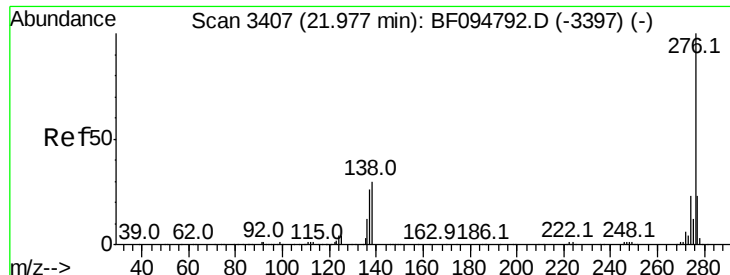


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 47.04 ng

RT: 21.96 min Scan# 3404

Delta R.T. -0.02 min

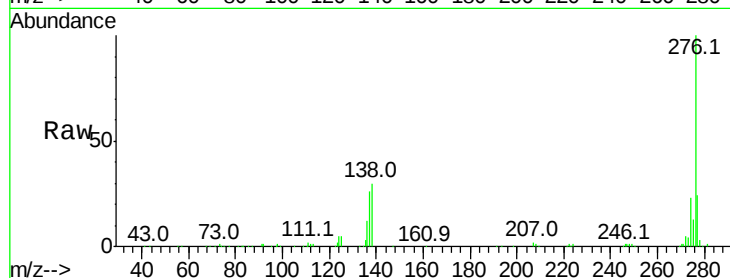
Lab File: BF095008.D

Acq: 9 May 2017 6:46

Instrument :

BNA\_F

ClientSampleId :



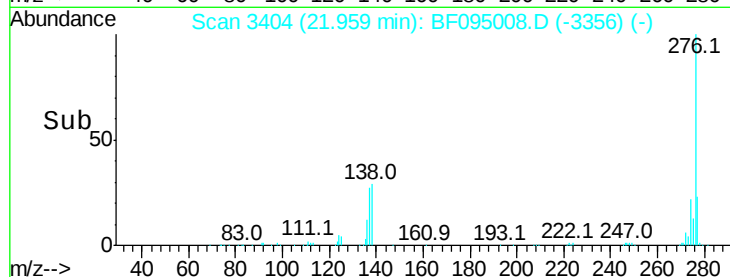
Tot Ion:276 Resp: 307739

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 29.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

