

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\  
 Data File : BF095048.D  
 Acq On : 10 May 2017 6:16  
 Operator : SJ/MA  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 10 07:01:39 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 | 7.71  | 152  | 128685   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 9.73  | 136  | 513158   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 12.56 | 164  | 222687   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 14.97 | 188  | 374899   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 18.64 | 240  | 249309   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 20.30 | 264  | 245528   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.65  | 112  | 631860   | 81.86 | ng    | -0.03    |
| 7) Phenol-d6                | 7.26  | 99   | 756431   | 81.68 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.62  | 82   | 658822   | 80.96 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 13.86 | 330  | 140993   | 77.31 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 11.51 | 172  | 1224840  | 79.17 | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.29 | 244  | 837786   | 74.02 | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.05  | 88   | 187508   | 49.53 | ng    | 95     |
| 3) Pyridine                    | 2.71  | 79   | 376200   | 42.88 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 2.65  | 42   | 146713   | 40.12 | ng    | 87     |
| 6) Aniline                     | 7.21  | 93   | 503330   | 43.05 | ng    | 96     |
| 8) 2-Chlorophenol              | 7.40  | 128  | 362943   | 41.31 | ng    | 96     |
| 9) Benzaldehyde                | 7.02  | 77   | 223257   | 39.48 | ng    | 98     |
| 10) Phenol                     | 7.28  | 94   | 386329   | 39.59 | ng    | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.35  | 93   | 318265   | 39.50 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 7.61  | 146  | 398253   | 39.96 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 7.74  | 146  | 407658   | 40.34 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 7.97  | 146  | 376056   | 39.86 | ng    | 97     |
| 15) Benzyl Alcohol             | 8.00  | 79   | 288245   | 48.39 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20  | 45   | 430027   | 37.71 | ng    | 81     |
| 17) 2-Methylphenol             | 8.21  | 107  | 292500   | 40.68 | ng    | 96     |
| 18) Hexachloroethane           | 8.49  | 117  | 127068   | 37.11 | ng    | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.43  | 70   | 247175   | 39.46 | ng    | 92     |
| 20) 3+4-Methylphenols          | 8.47  | 107  | 378339   | 38.73 | ng    | # 58   |
| 22) Acetophenone               | 8.39  | 105  | 501556   | 40.74 | ng    | # 84   |
| 24) Nitrobenzene               | 8.65  | 77   | 340528   | 39.92 | ng    | 94     |
| 25) Isophorone                 | 9.05  | 82   | 633886   | 43.62 | ng    | 96     |
| 26) 2-Nitrophenol              | 9.15  | 139  | 184631   | 40.11 | ng    | 98     |
| 27) 2,4-Dimethylphenol         | 9.29  | 122  | 298555   | 40.12 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.41  | 93   | 399227   | 39.71 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 9.57  | 162  | 290393   | 41.33 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 9.66  | 180  | 301949   | 40.11 | ng    | 99     |
| 31) Naphthalene                | 9.77  | 128  | 1006047  | 39.01 | ng    | 99     |
| 32) Benzoic acid               | 9.62  | 122  | 166170   | 35.49 | ng    | 93     |
| 33) 4-Chloroaniline            | 9.90  | 127  | 407988   | 42.45 | ng    | # 93   |
| 34) Hexachlorobutadiene        | 9.98  | 225  | 150961   | 38.01 | ng    | 97     |
| 35) Caprolactam                | 10.54 | 113  | 91158    | 43.20 | ng    | # 86   |
| 36) 4-Chloro-3-methylphenol    | 10.77 | 107  | 302916   | 40.32 | ng    | 90     |
| 37) 2-Methylnaphthalene        | 10.90 | 142  | 692388   | 40.90 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.17 | 216  | 274808   | 40.13 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 11.14 | 237  | 35891    | 17.58 | ng    | 98     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\  
 Data File : BF095048.D  
 Acq On : 10 May 2017 6:16  
 Operator : SJ/MA  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

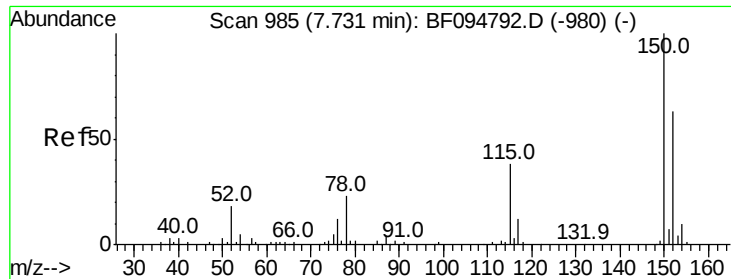
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 10 07:01:39 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  | 190602   | 41.69  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 11.48 | 196  | 183677   | 37.38  | nq    | 94       |
| 45) 1,1'-Biphenyl              | 11.66 | 154  | 759131   | 40.49  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.68 | 162  | 593224   | 39.19  | nq    | 95       |
| 47) 2-Nitroaniline             | 11.89 | 65   | 169437   | 40.89  | nq    | # 87     |
| 48) Acenaphthylene             | 12.34 | 152  | 965486   | 40.72  | nq    | 98       |
| 49) Dimethylphthalate          | 12.21 | 163  | 707028   | 38.67  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.30 | 165  | 156813   | 42.05  | nq    | 92       |
| 51) Acenaphthene               | 12.62 | 154  | 568201   | 40.12  | nq    | 99       |
| 52) 3-Nitroaniline             | 12.58 | 138  | 168227   | 42.03  | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 12.79 | 184  | 13368    | 12.25  | nq    | # 68     |
| 54) Dibenzofuran               | 12.91 | 168  | 880993   | 44.95  | nq    | 99       |
| 55) 4-Nitrophenol              | 12.91 | 139  | 323790   | 134.67 | nq    | # 27     |
| 56) 2,4-Dinitrotoluene         | 12.97 | 165  | 210071   | 43.83  | nq    | # 88     |
| 57) Fluorene                   | 13.46 | 166  | 663292   | 38.92  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.15 | 232  | 139355   | 45.06  | nq    | # 95     |
| 59) Diethylphthalate           | 13.36 | 149  | 697239   | 39.79  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 13.48 | 204  | 299988   | 40.05  | nq    | 91       |
| 61) 4-Nitroaniline             | 13.57 | 138  | 134472   | 36.59  | nq    | 95       |
| 62) Azobenzene                 | 13.74 | 77   | 588906   | 41.83  | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 13.64 | 198  | 31173    | 12.40  | nq    | # 66     |
| 65) n-Nitrosodiphenylamine     | 13.69 | 169  | 536088   | 39.40  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.27 | 248  | 166633   | 42.07  | nq    | 98       |
| 67) Hexachlorobenzene          | 14.35 | 284  | 159119   | 39.20  | nq    | # 87     |
| 68) Atrazine                   | 14.61 | 200  | 152857   | 39.79  | nq    | 96       |
| 69) Pentachlorophenol          | 14.71 | 266  | 59936    | 36.13  | nq    | 96       |
| 70) Phenanthrene               | 15.00 | 178  | 872564   | 40.51  | nq    | 98       |
| 71) Anthracene                 | 15.09 | 178  | 905004   | 41.13  | nq    | 98       |
| 72) Carbazole                  | 15.37 | 167  | 794844   | 39.70  | nq    | 96       |
| 73) Di-n-butylphthalate        | 15.94 | 149  | 1062159  | 42.54  | nq    | 98       |
| 74) Fluoranthene               | 16.75 | 202  | 781346   | 35.36  | nq    | 98       |
| 76) Benzidine                  | 16.97 | 184  | 251980   | 38.83  | nq    | 95       |
| 77) Pyrene                     | 17.05 | 202  | 753485   | 40.41  | nq    | 100      |
| 79) Butylbenzylphthalate       | 17.95 | 149  | 327505   | 37.76  | nq    | # 85     |
| 80) Benzo(a)anthracene         | 18.62 | 228  | 579473   | 39.94  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 18.61 | 252  | 202295   | 40.37  | nq    | # 96     |
| 82) Chrysene                   | 18.67 | 228  | 543621   | 38.75  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 18.69 | 149  | 496927   | 40.21  | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 19.46 | 149  | 815656   | 40.26  | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.59 | 276  | 512754   | 45.00  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.89 | 252  | 586321   | 38.65  | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 19.92 | 252  | 603919   | 41.27  | nq    | 96       |
| 89) Benzo(a)pyrene             | 20.24 | 252  | 564790   | 40.34  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 21.60 | 278  | 434049   | 37.54  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 21.96 | 276  | 423526   | 37.33  | nq    | 98       |

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



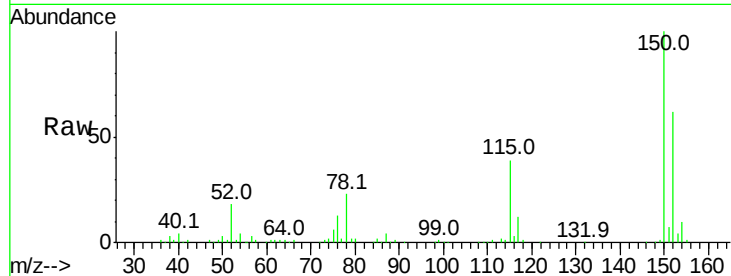


#1

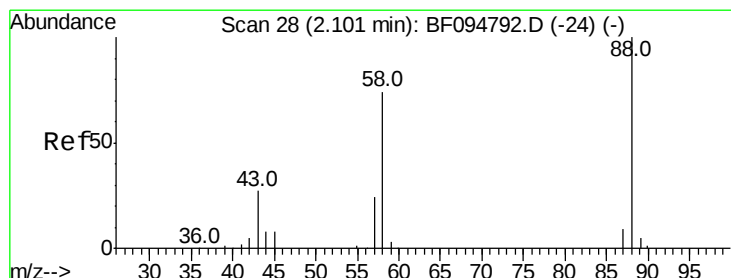
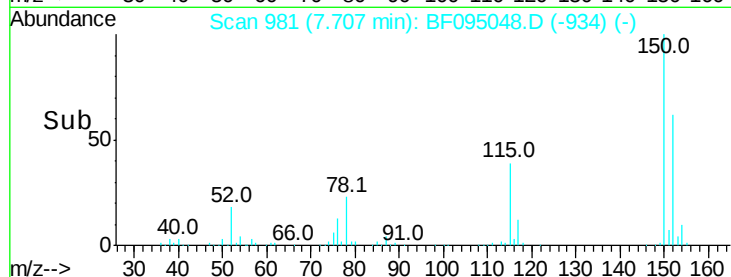
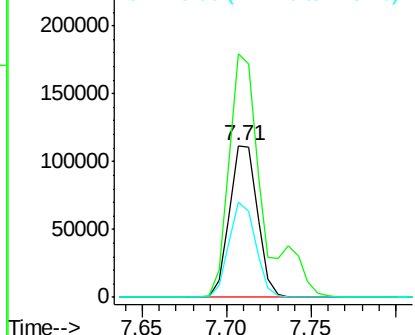
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 981  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 128685  
Ion Ratio Lower Upper  
152 100  
150 160.4 126.2 189.2  
115 62.5 52.2 78.2



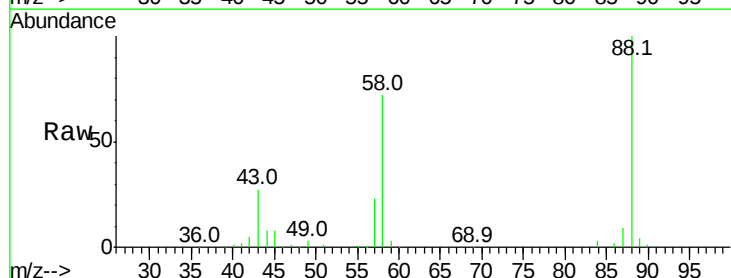
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



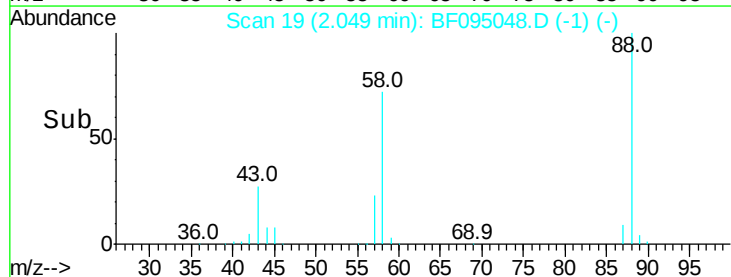
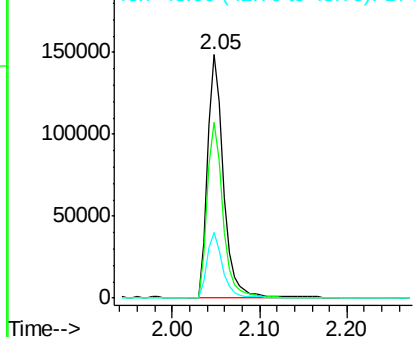
#2

1,4-Dioxane  
Concen: 49.53 ng  
RT: 2.05 min Scan# 19  
Delta R.T. -0.05 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion: 88 Resp: 187508  
Ion Ratio Lower Upper  
88 100  
58 72.4 61.4 92.0  
43 26.9 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: 42.88 ng

RT: 2.71 min Scan# 132

Delta R.T. -0.05 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

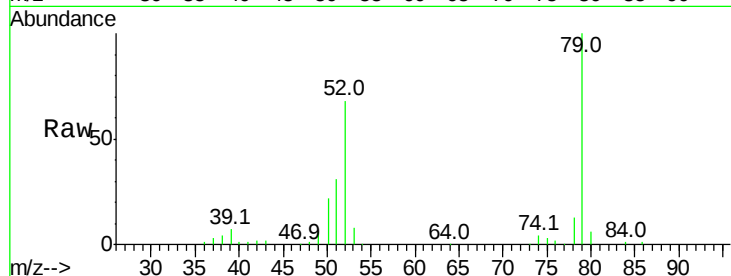
Tot Ion: 79 Resp: 376200

Ion Ratio Lower Upper

79 100

52 68.0 54.8 82.2

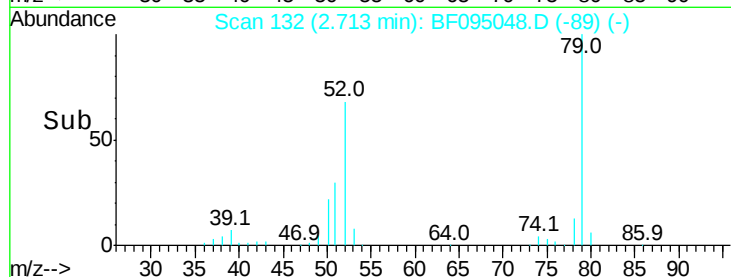
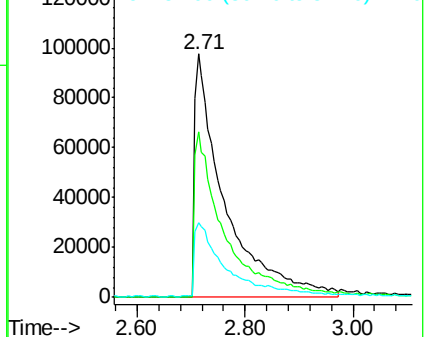
51 30.9 27.0 40.4



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: 40.12 ng

RT: 2.65 min Scan# 122

Delta R.T. -0.04 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

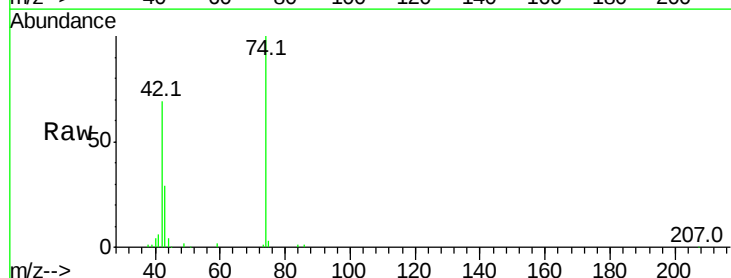
Tgt Ion: 42 Resp: 146713

Ion Ratio Lower Upper

42 100

74 145.8 103.9 155.9

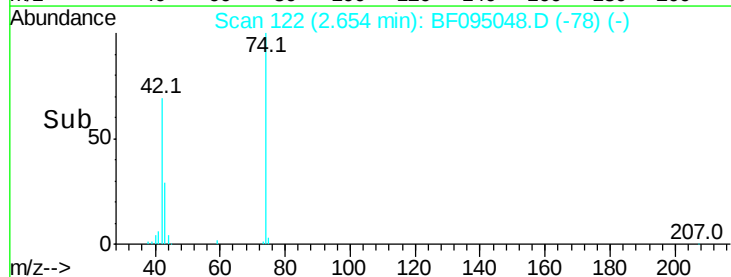
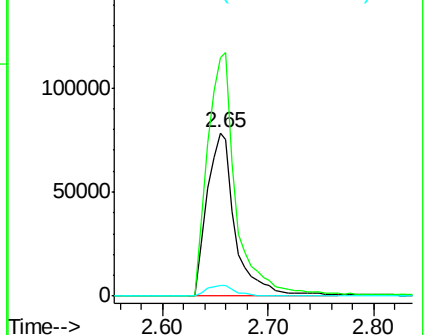
44 6.5 5.7 8.5



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: 81.86 ng

RT: 5.65 min Scan# 631

Delta R.T. -0.03 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampled :

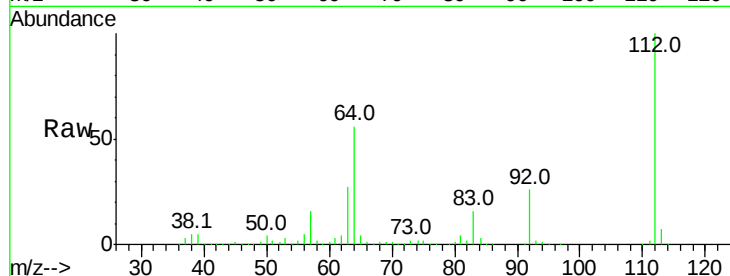
Tot Ion:112 Resp: 631860

Ion Ratio Lower Upper

112 100

64 55.7 46.0 69.0

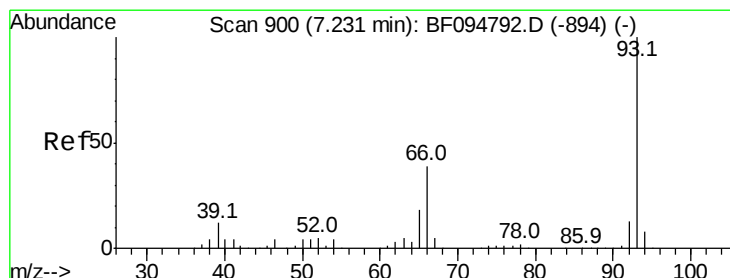
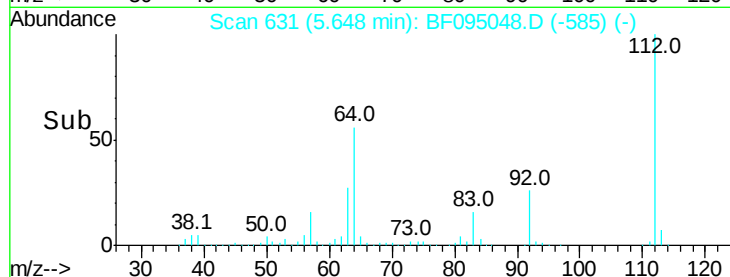
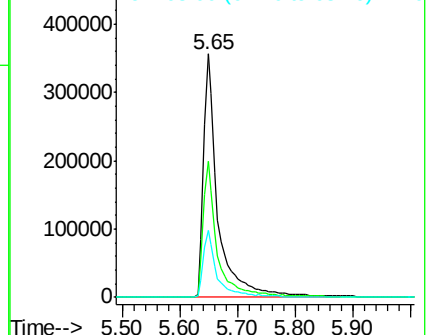
63 27.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 43.05 ng

RT: 7.21 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

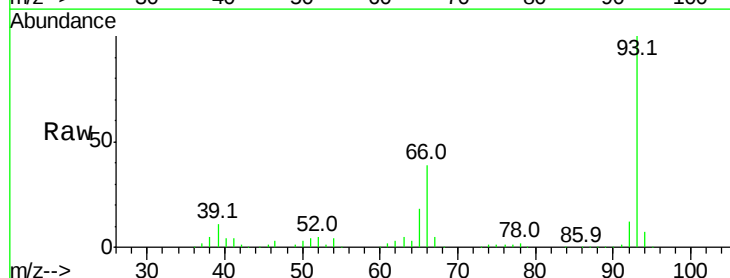
Tgt Ion: 93 Resp: 503330

Ion Ratio Lower Upper

93 100

66 39.1 32.9 49.3

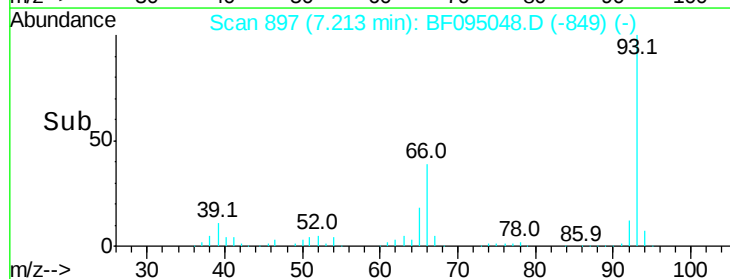
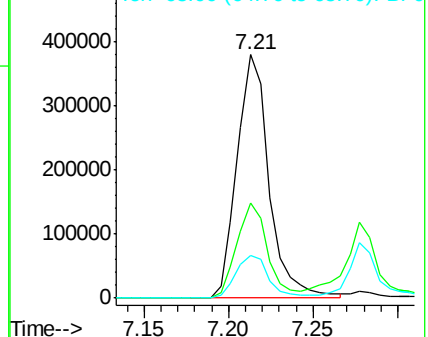
65 17.8 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 81.68 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

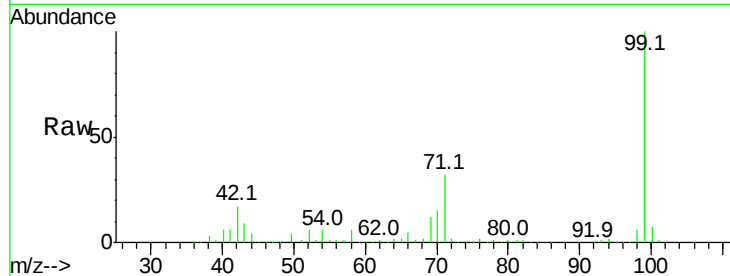
Tot Ion: 99 Resp: 756431

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

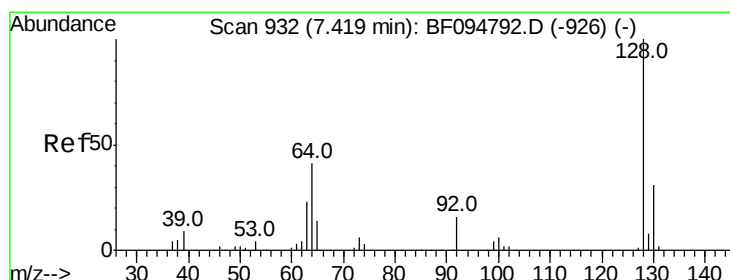
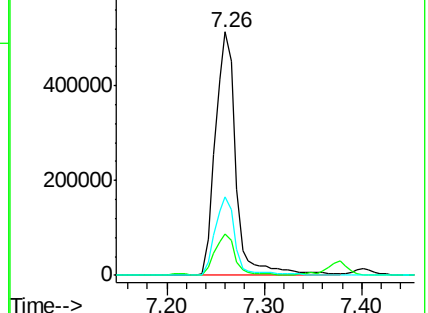
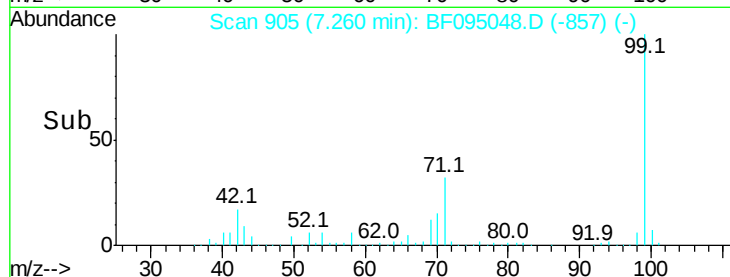
71 32.2 24.5 36.7



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: 41.31 ng

RT: 7.40 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

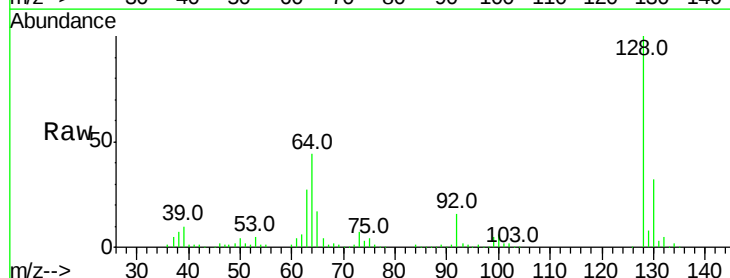
Tgt Ion: 128 Resp: 362943

Ion Ratio Lower Upper

128 100

130 32.0 12.9 52.9

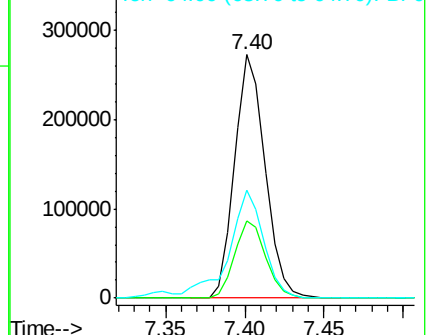
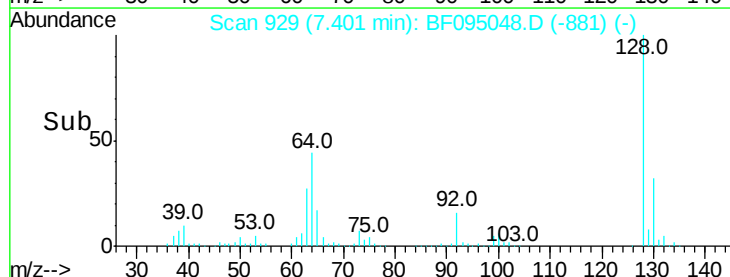
64 44.1 28.4 68.4



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

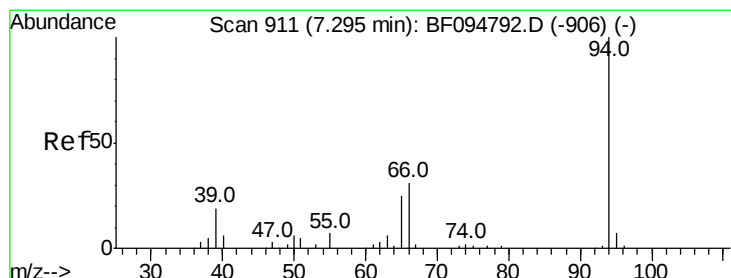
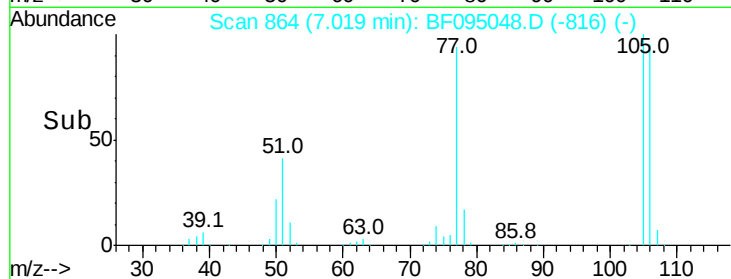
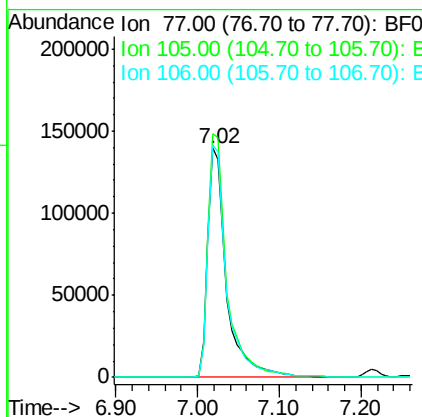
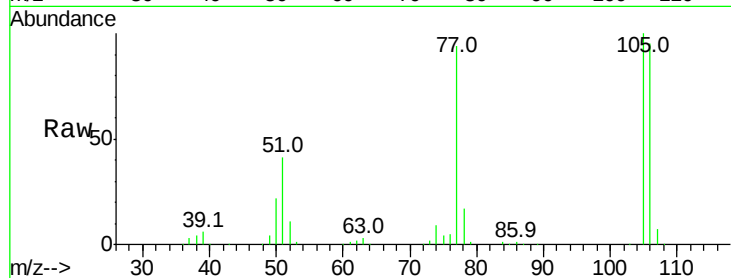




#9  
Benzaldehyde  
Concen: 39.48 ng  
RT: 7.02 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

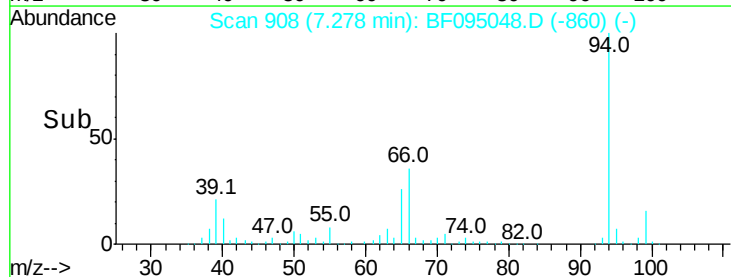
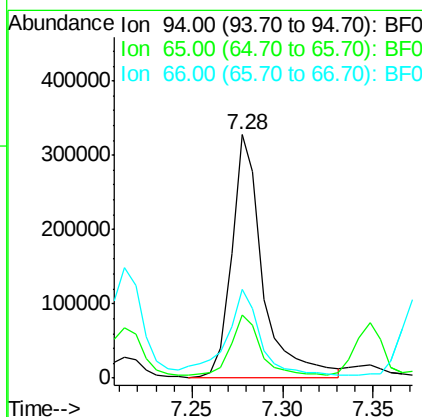
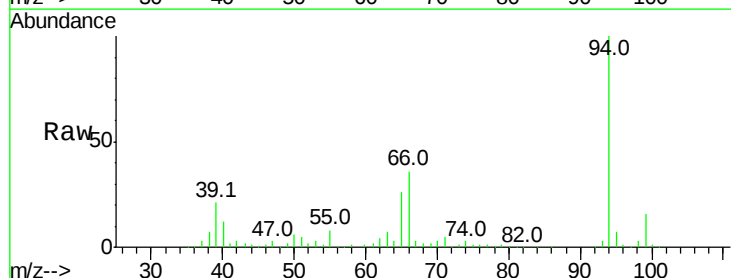
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 223257  
Ion Ratio Lower Upper  
77 100  
105 106.2 83.8 123.8  
106 101.4 79.1 119.1



#10  
Phenol  
Concen: 39.59 ng  
RT: 7.28 min Scan# 908  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion: 94 Resp: 386329  
Ion Ratio Lower Upper  
94 100  
65 26.2 9.9 49.9  
66 36.3 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 39.50 ng

RT: 7.35 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

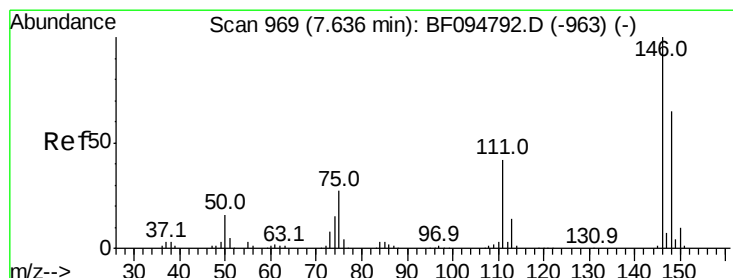
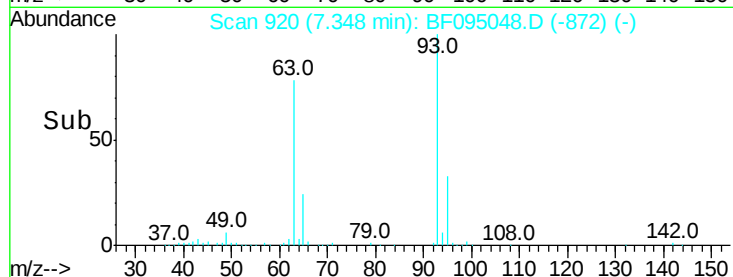
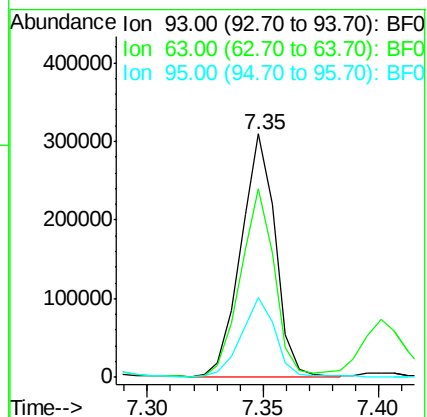
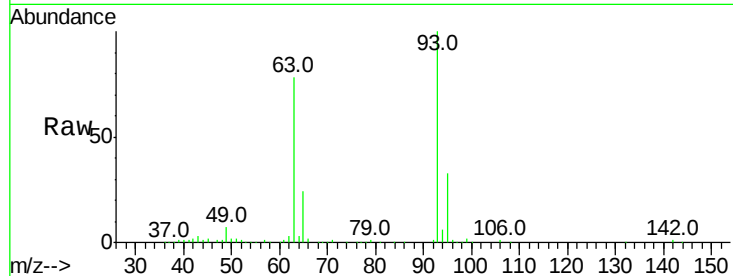
Tot Ion: 93 Resp: 318265

Ion Ratio Lower Upper

93 100

63 77.5 59.2 99.2

95 32.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 39.96 ng

RT: 7.61 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

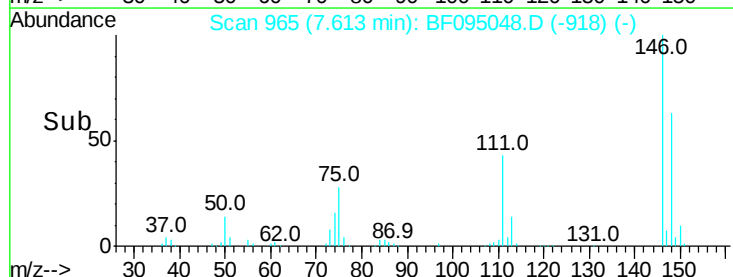
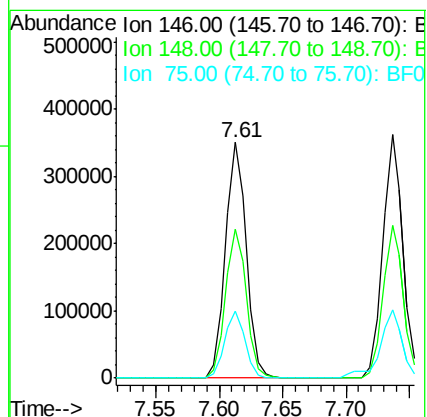
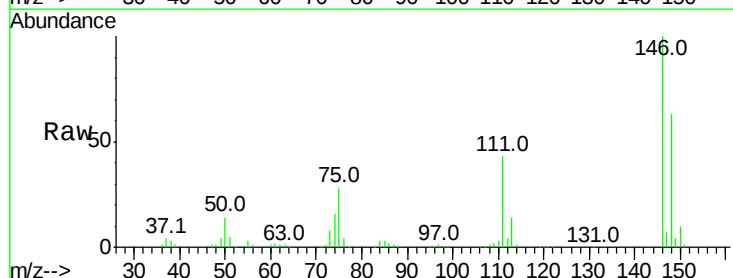
Tgt Ion: 146 Resp: 398253

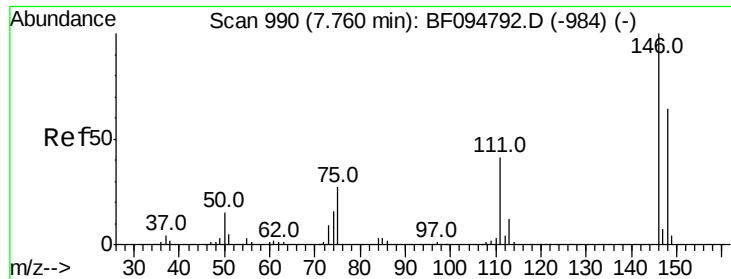
Ion Ratio Lower Upper

146 100

148 63.2 51.8 77.6

75 28.3 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 40.34 ng

RT: 7.74 min Scan# 986

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampled :

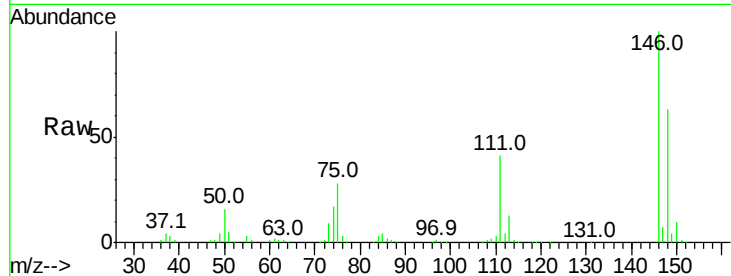
Tot Ion:146 Resp: 407658

Ion Ratio Lower Upper

146 100

148 62.7 52.2 78.2

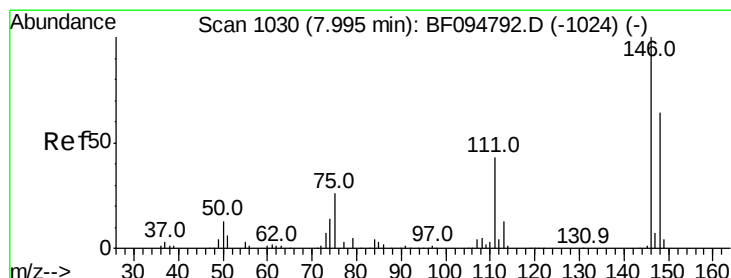
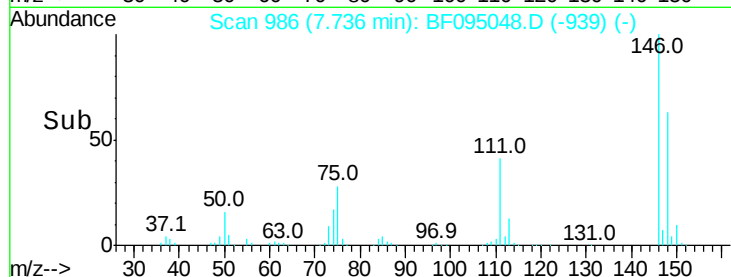
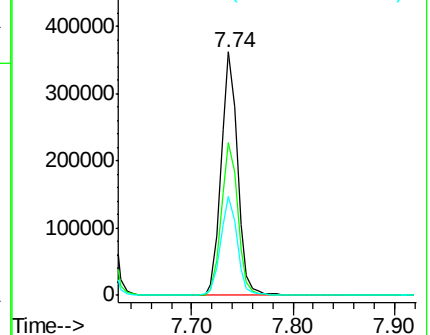
111 40.7 30.3 45.5



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: 39.86 ng

RT: 7.97 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

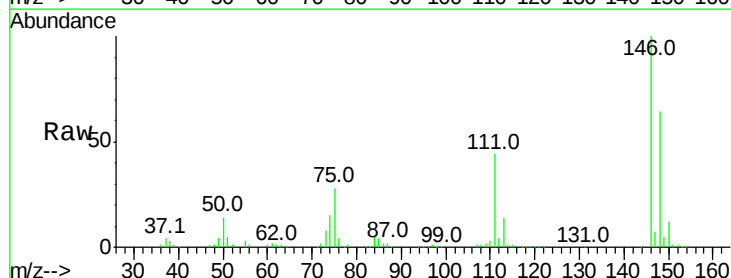
Tgt Ion:146 Resp: 376056

Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

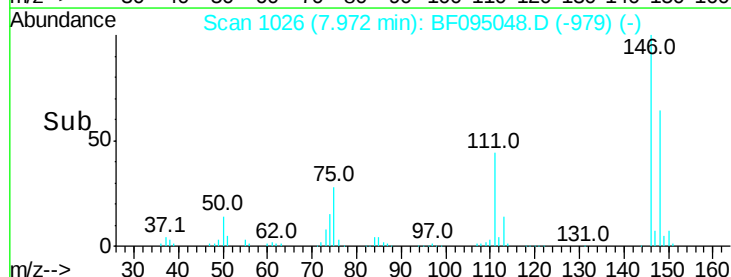
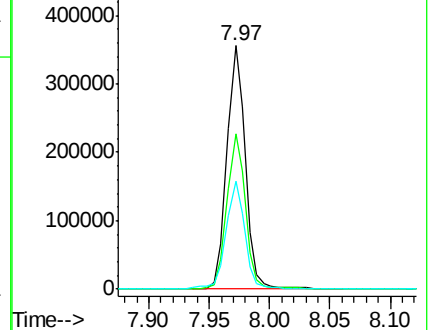
111 44.2 38.2 57.4

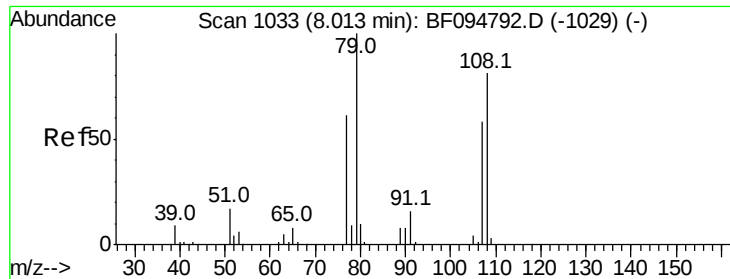


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

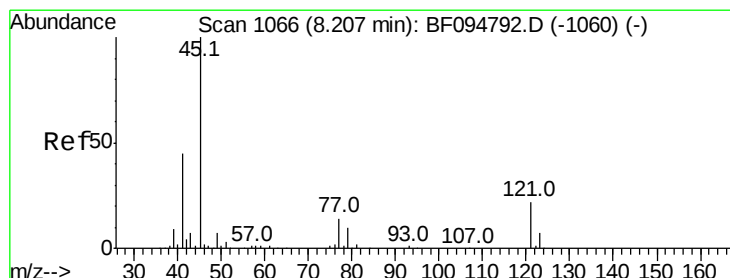
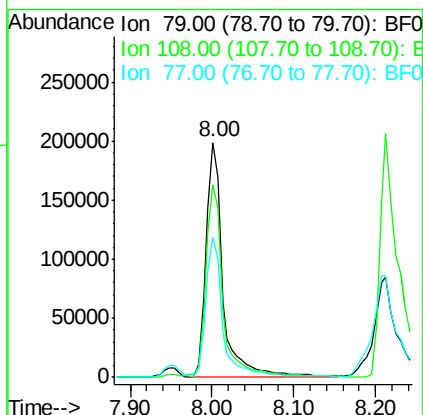
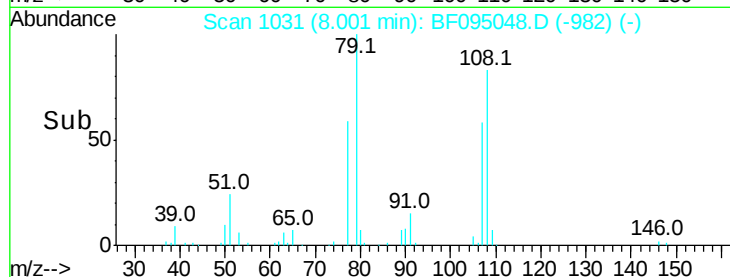
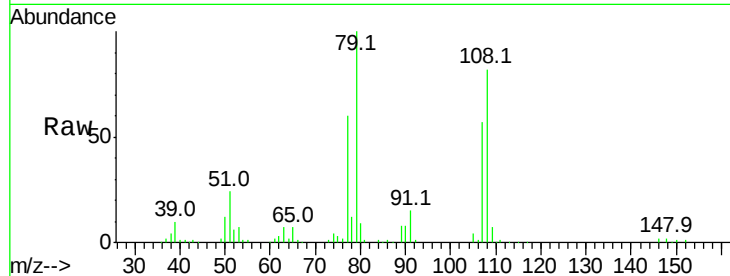




#15  
Benzyl Alcohol  
Concen: 48.39 ng  
RT: 8.00 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

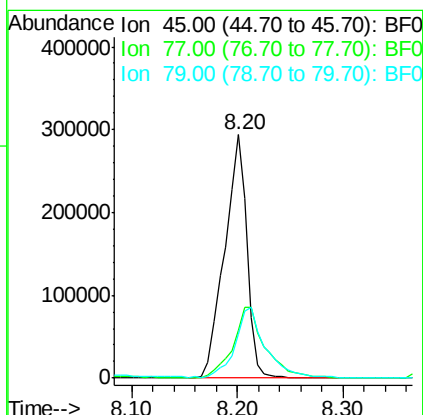
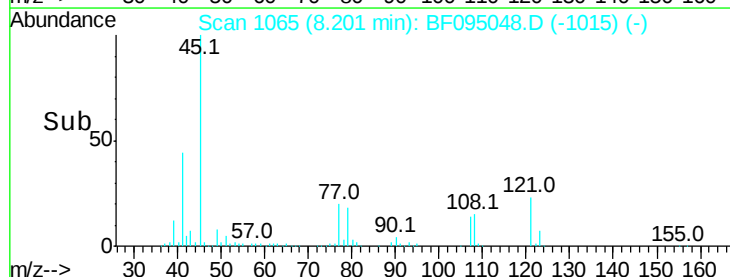
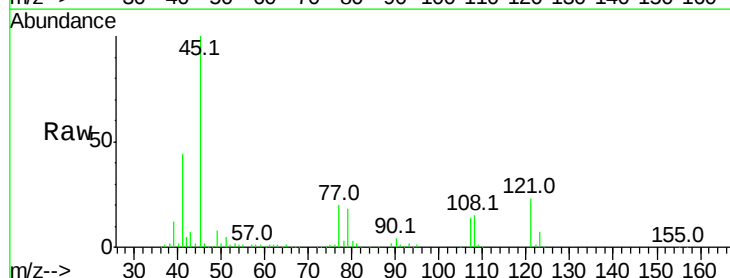
Instrument :  
BNA\_F  
ClientSampleId :

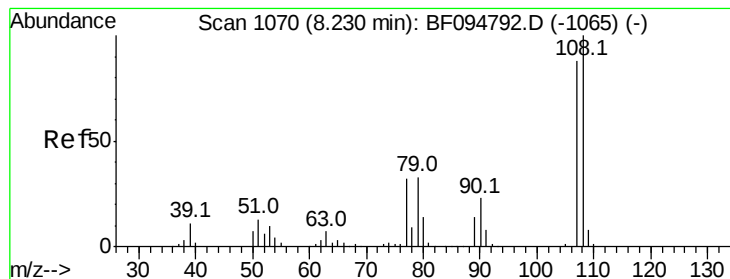
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 82.3  | 63.4  | 95.0  |
| 77      | 59.8  | 49.2  | 73.8  |



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 37.71 ng  
RT: 8.20 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 19.6  | 0.0   | 33.2  |
| 79      | 18.0  | 0.0   | 30.0  |

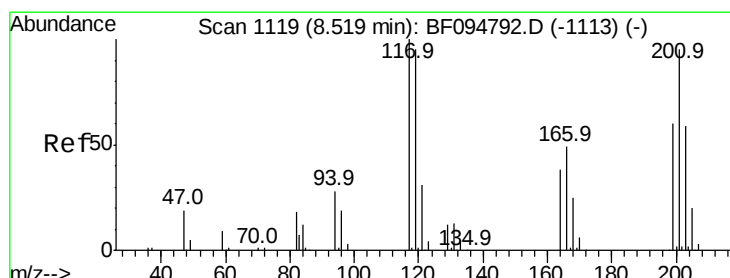
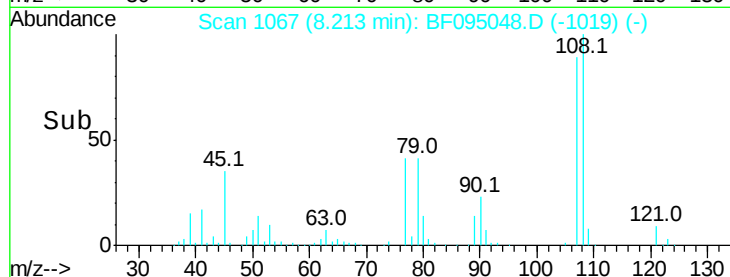
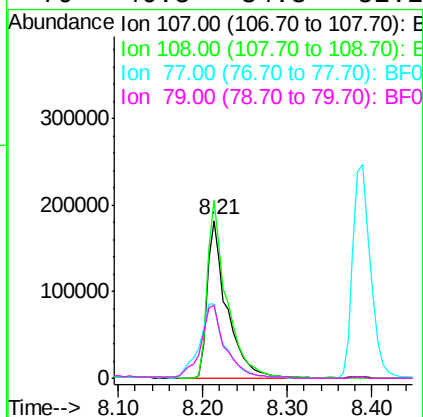
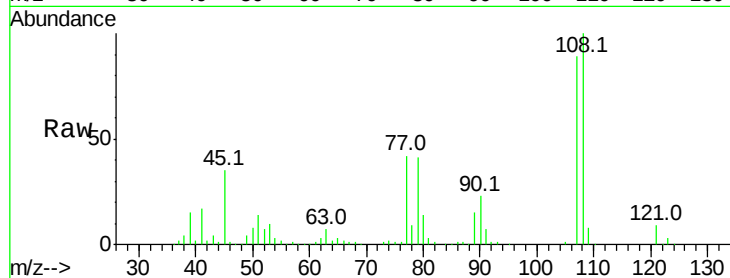




#17  
 2-Methylphenol  
 Concen: 40.68 ng  
 RT: 8.21 min Scan# 1067  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

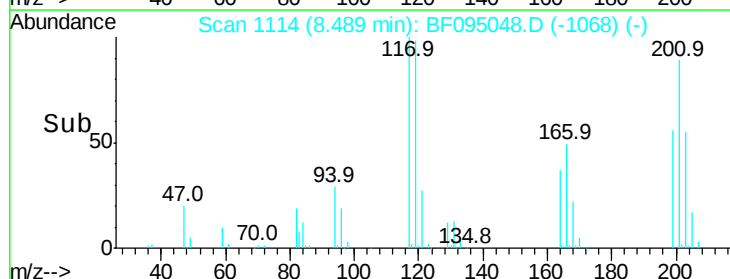
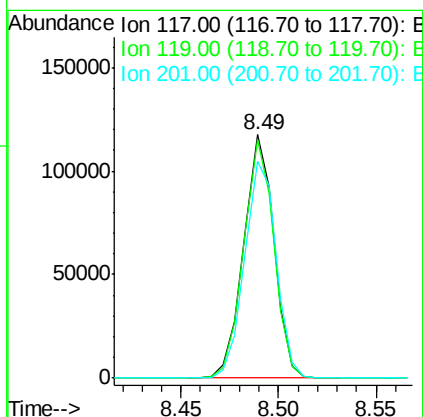
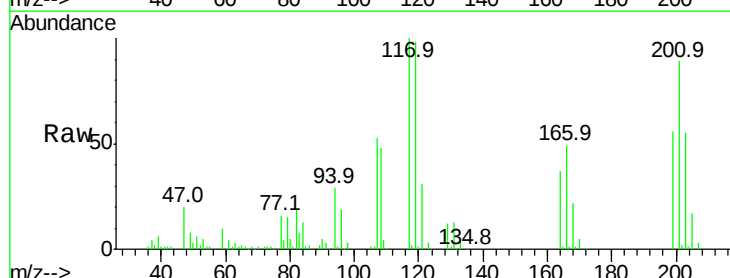
Instrument :  
 BNA\_F  
 ClientSampleId :

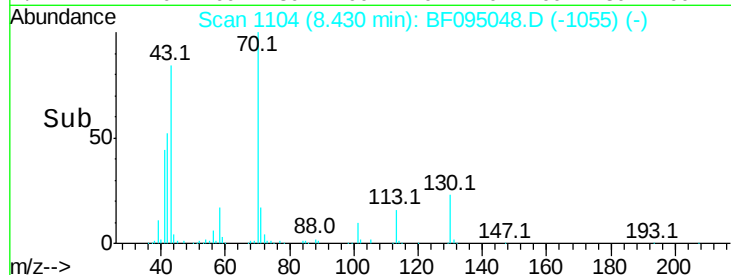
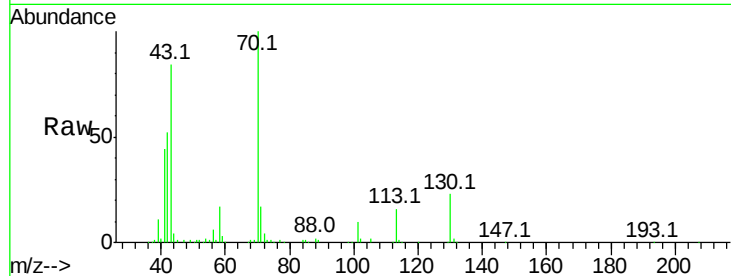
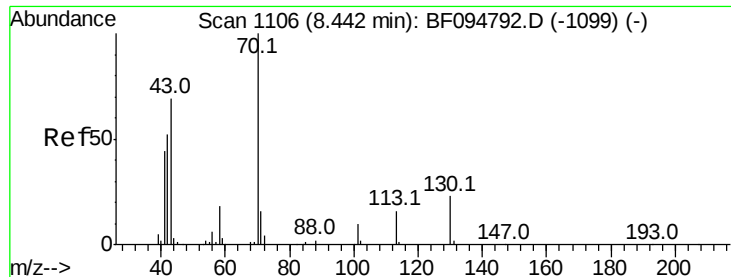
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 292500 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.9 | 93.4  | 140.0  |
| 77       | 47.0  | 35.8  | 53.6   |
| 79       | 46.5  | 34.8  | 52.2   |



#18  
 Hexachloroethane  
 Concen: 37.11 ng  
 RT: 8.49 min Scan# 1114  
 Delta R.T. -0.03 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 127068 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.9  | 77.4  | 116.0  |
| 201      | 89.1  | 94.6  | 141.8# |

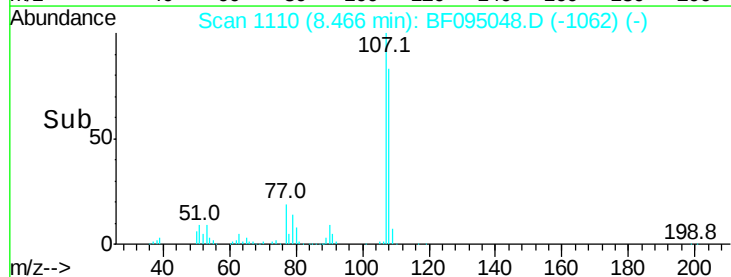
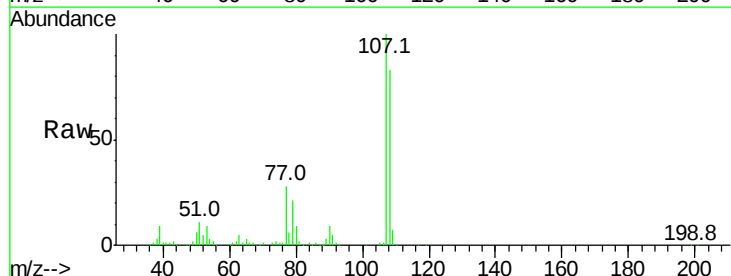
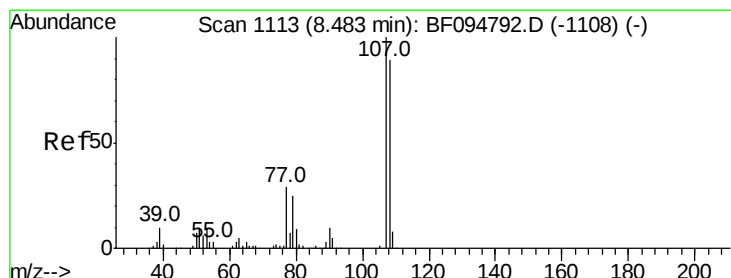
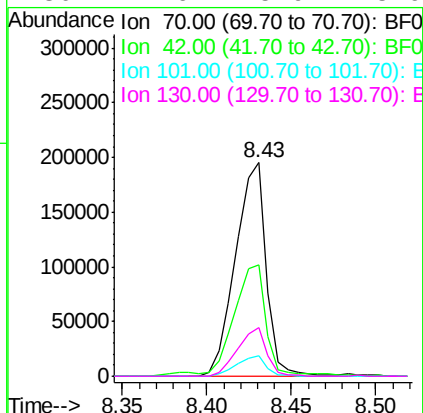




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.46 ng  
RT: 8.43 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

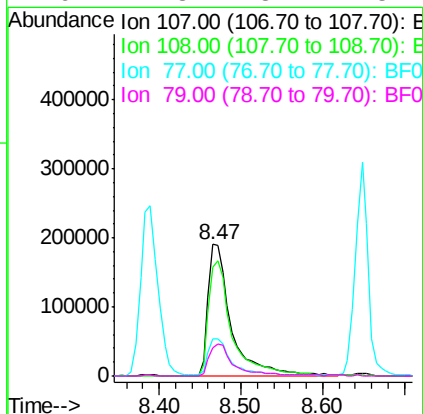
Instrument :  
BNA\_F  
ClientSampleId :

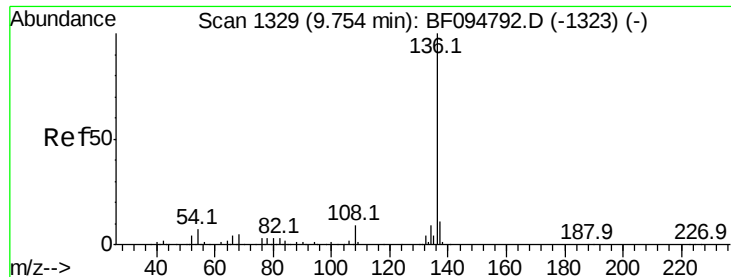
Tot Ion: 70 Resp: 247175  
Ion Ratio Lower Upper  
70 100  
42 52.2 47.2 70.8  
101 9.7 7.2 10.8  
130 22.6 15.9 23.9



#20  
3+4-Methylphenols  
Concen: 38.73 ng  
RT: 8.47 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion: 107 Resp: 378339  
Ion Ratio Lower Upper  
107 100  
108 82.9 71.0 111.0  
77 28.1 90.5 130.5#  
79 21.3 8.4 48.4

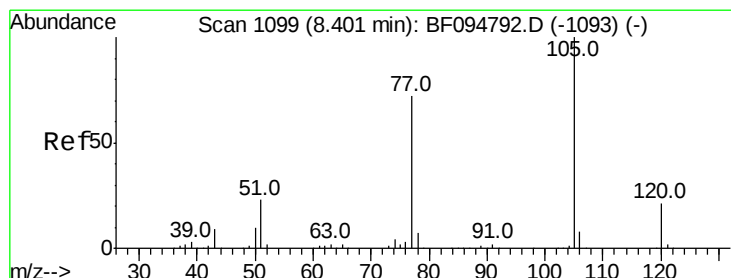
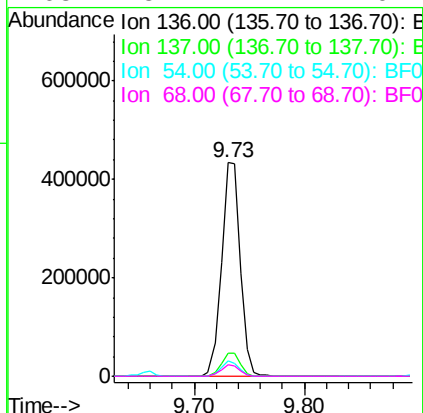
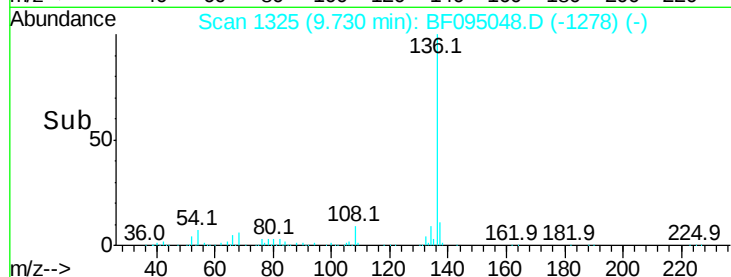
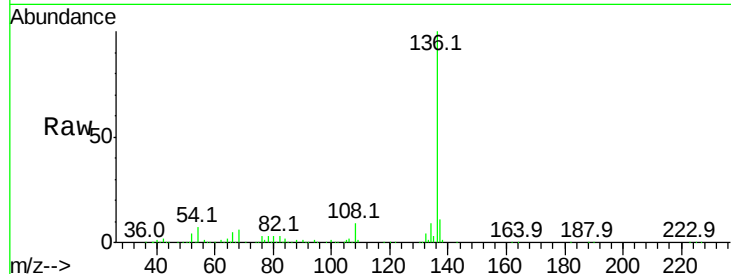




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.73 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

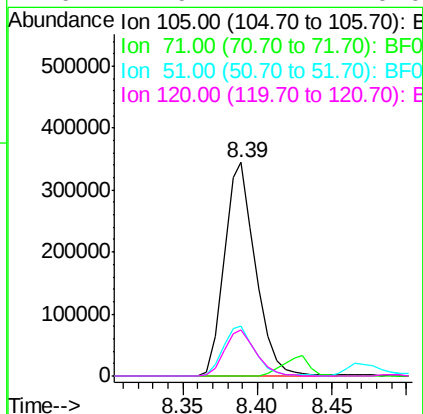
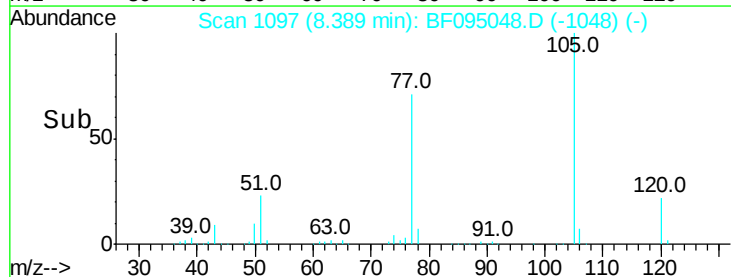
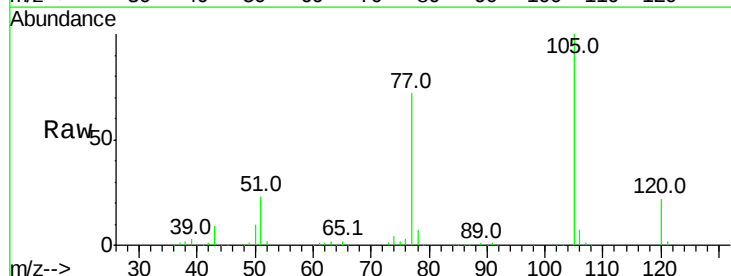
Instrument :  
BNA\_F  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 513158 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.1    | 8.5 12.7     |
| 54 7.1      | 4.9 7.3      |
| 68 5.7      | 4.1 6.1      |



#22  
Acetophenone  
Concen: 40.74 ng  
RT: 8.39 min Scan# 1097  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

|             |              |
|-------------|--------------|
| Tgt Ion:105 | Resp: 501556 |
| Ion Ratio   | Lower Upper  |
| 105 100     |              |
| 71 0.0      | 2.8 4.2#     |
| 51 23.3     | 30.7 46.1#   |
| 120 21.9    | 17.4 26.0    |

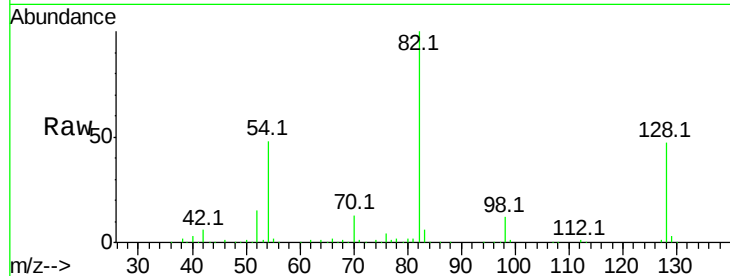




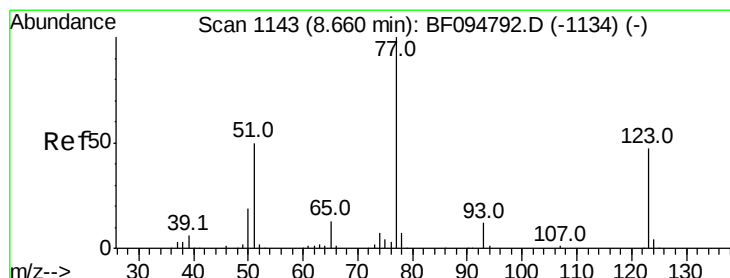
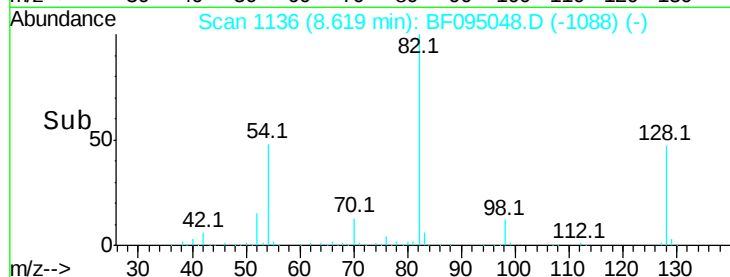
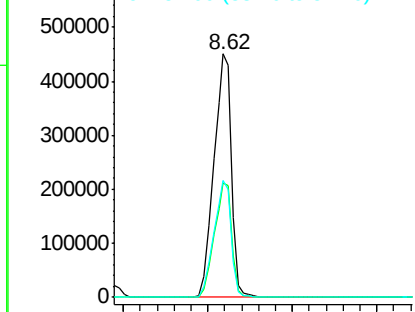
#23  
 Nitrobenzene-d5  
 Concen: 80.96 ng  
 RT: 8.62 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 658822  
 Ion Ratio Lower Upper  
 82 100  
 128 47.0 34.0 51.0  
 54 47.8 42.2 63.2

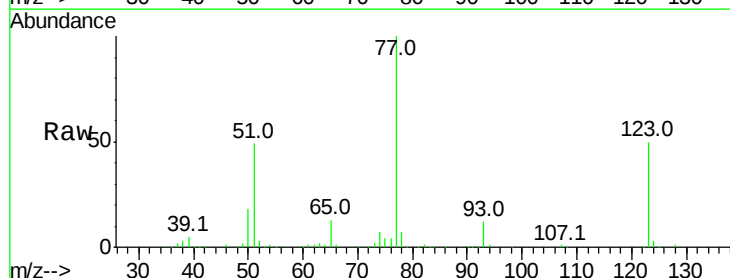


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

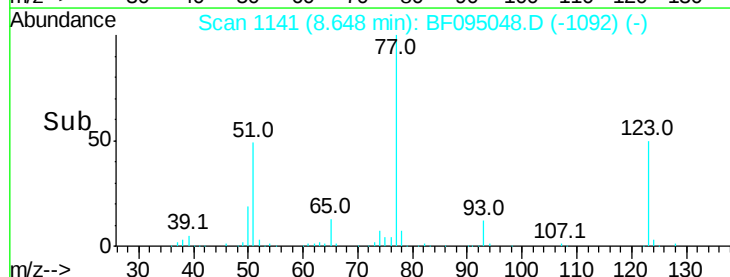
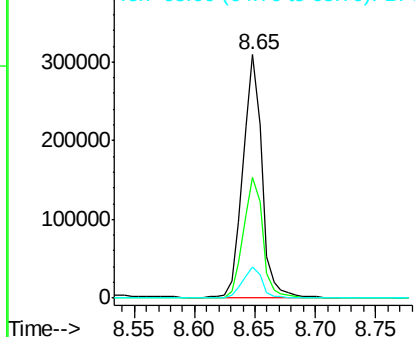


#24  
 Nitrobenzene  
 Concen: 39.92 ng  
 RT: 8.65 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion: 77 Resp: 340528  
 Ion Ratio Lower Upper  
 77 100  
 123 49.8 35.8 53.8  
 65 12.6 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0

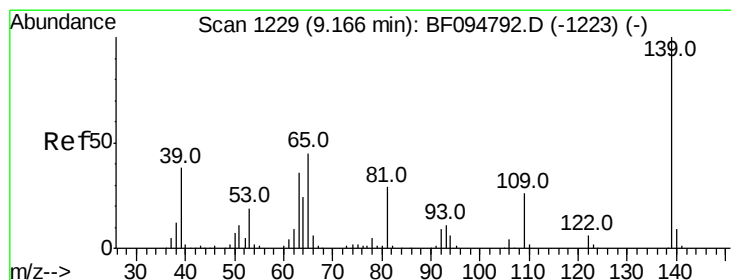
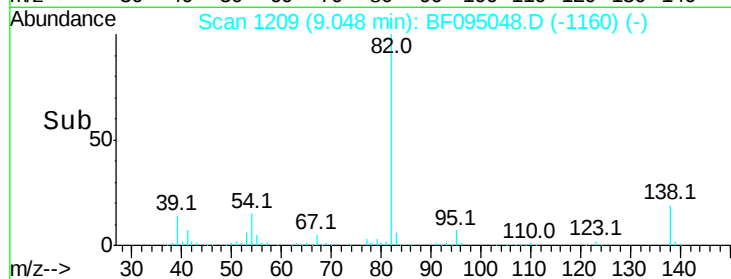
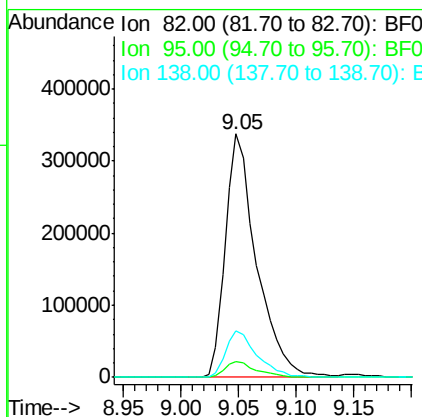
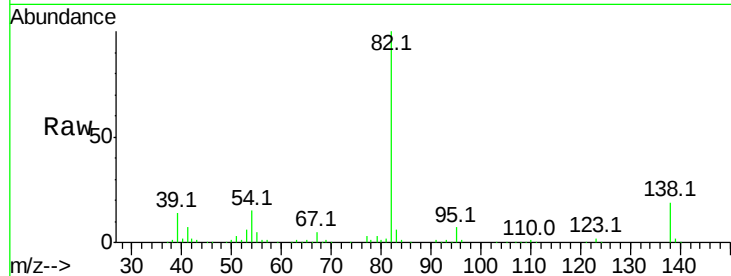




#25  
Isophorone  
Concen: 43.62 ng  
RT: 9.05 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

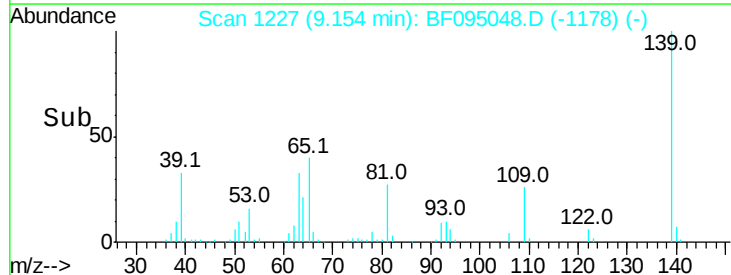
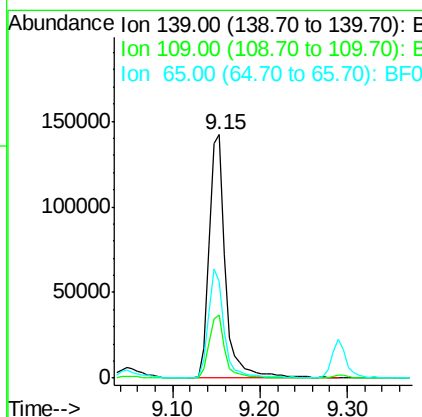
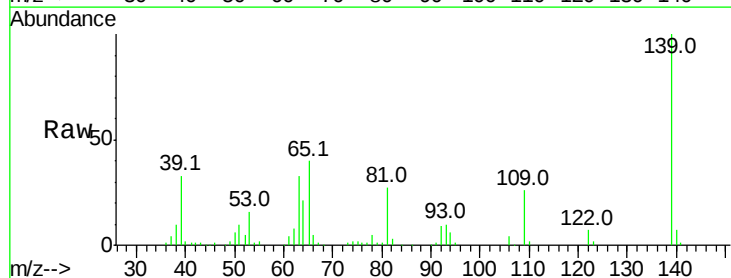
Instrument :  
BNA\_F  
ClientSampled :

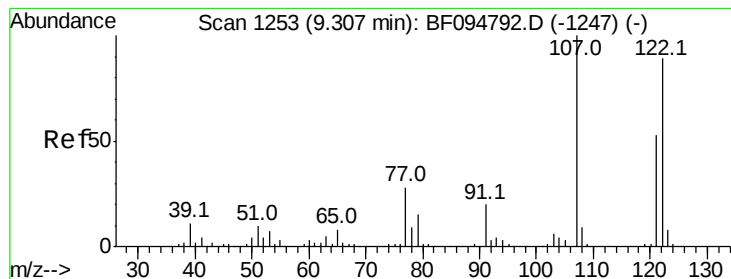
Tot Ion: 82 Resp: 633886  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.3 7.9  
138 19.0 13.1 19.7



#26  
2-Nitrophenol  
Concen: 40.11 ng  
RT: 9.15 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion: 139 Resp: 184631  
Ion Ratio Lower Upper  
139 100  
109 25.8 21.0 31.6  
65 39.9 33.0 49.6

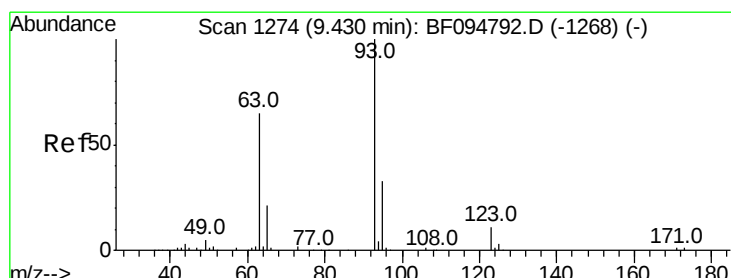
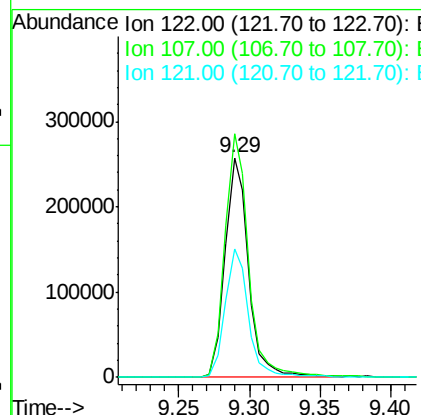
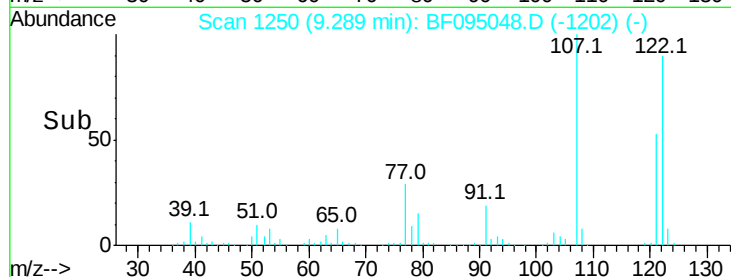
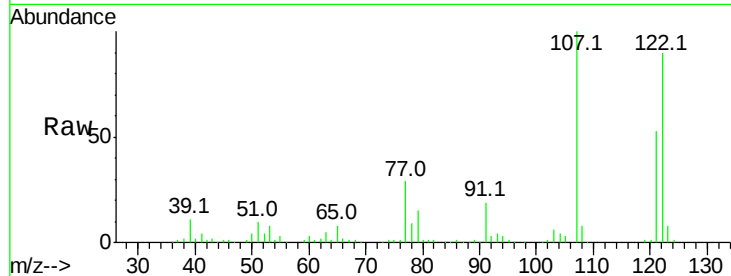




#27  
 2,4-Dimethylphenol  
 Concen: 40.12 ng  
 RT: 9.29 min Scan# 1250  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

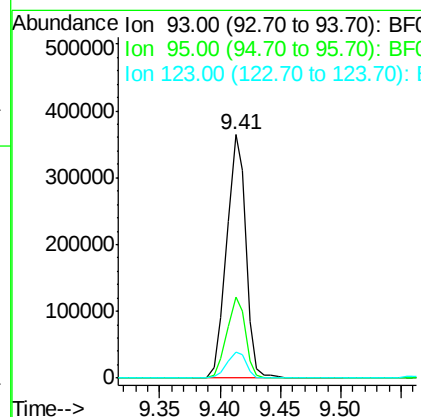
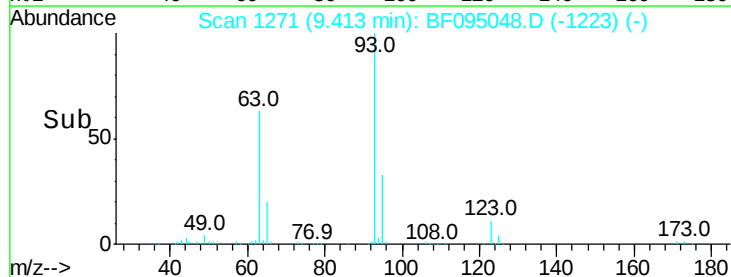
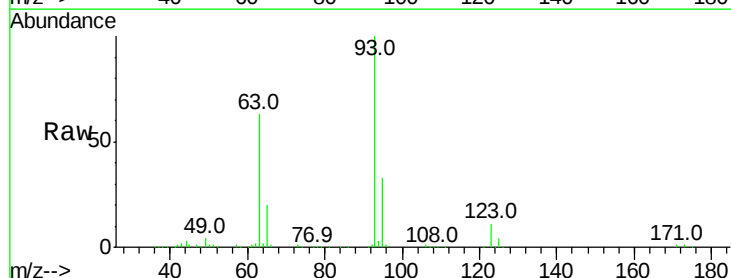
Instrument :  
 BNA\_F  
 ClientSampleId :

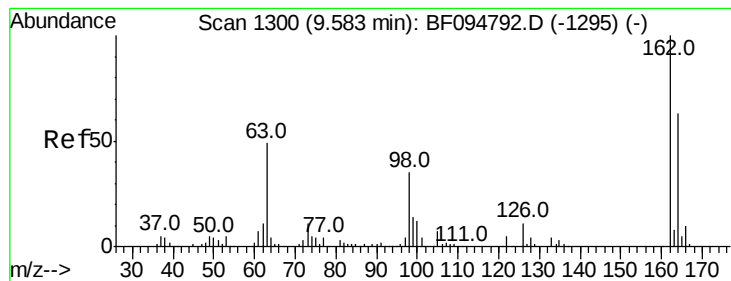
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 111.0 | 89.2  | 133.8 |
| 121     | 58.4  | 45.2  | 67.8  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.71 ng  
 RT: 9.41 min Scan# 1271  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.3  | 26.5  | 39.7  |
| 123     | 10.6  | 9.0   | 13.4  |





#29

2,4-Dichlorophenol

Concen: 41.33 ng

RT: 9.57 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

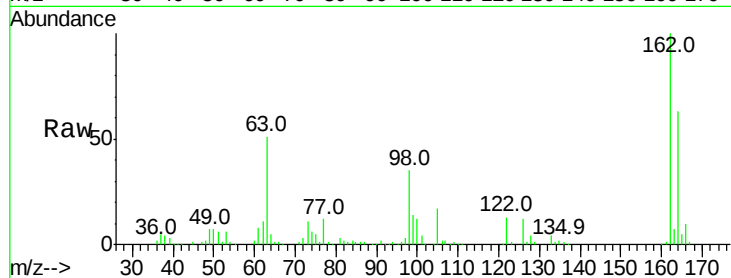
Tot Ion:162 Resp: 290393

Ion Ratio Lower Upper

162 100

164 62.9 44.6 84.6

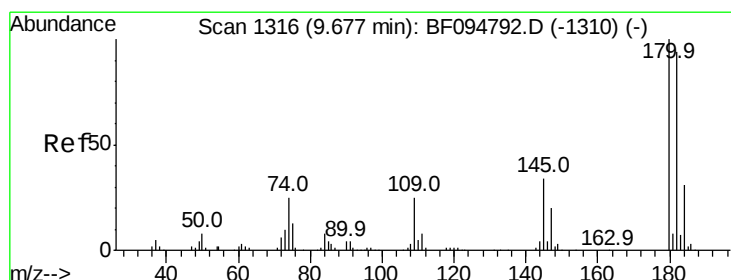
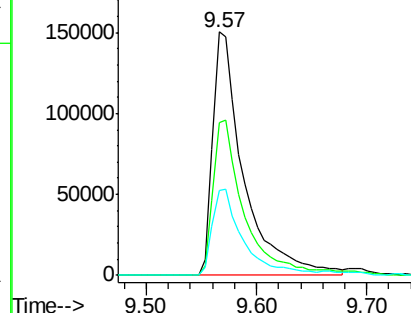
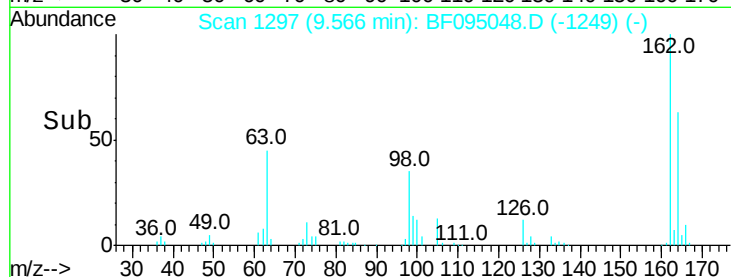
98 34.7 14.8 54.8



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: 40.11 ng

RT: 9.66 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

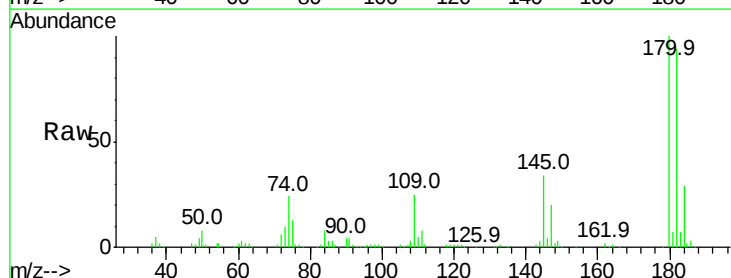
Tgt Ion:180 Resp: 301949

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

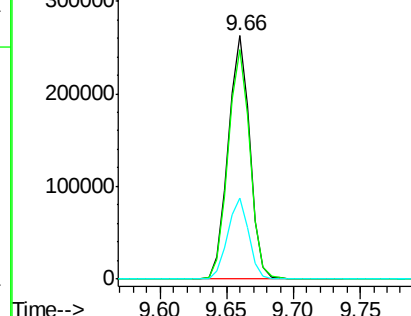
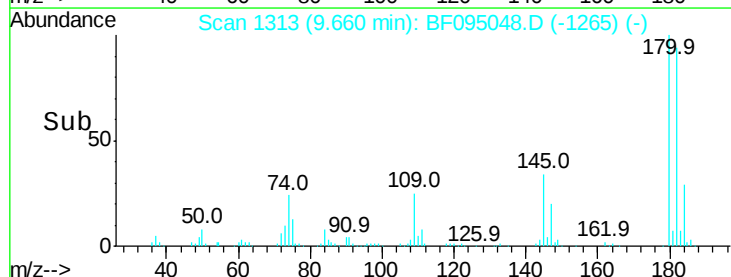
145 33.5 25.3 37.9

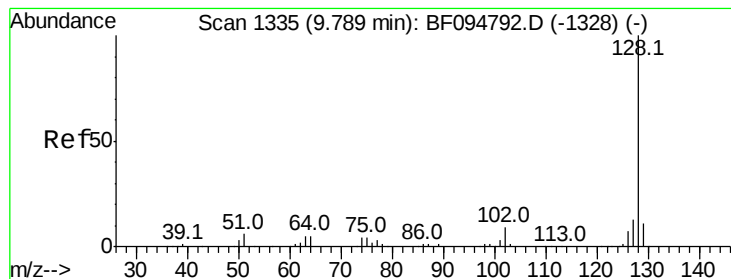


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.01 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampled :

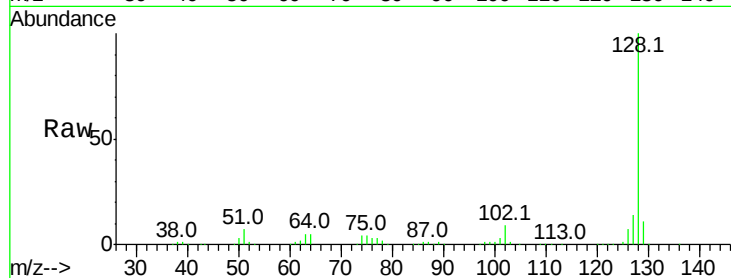
Tot Ion:128 Resp: 1006047

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

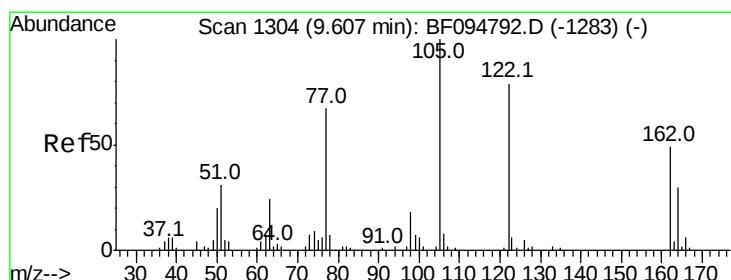
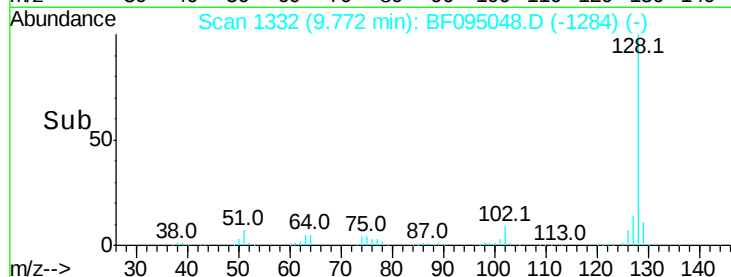
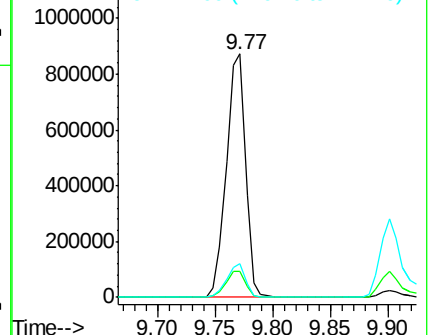
127 13.6 10.8 16.2



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: 35.49 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

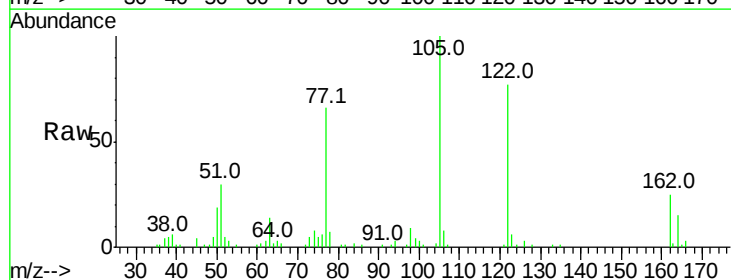
Tgt Ion:122 Resp: 166170

Ion Ratio Lower Upper

122 100

105 129.1 103.3 143.3

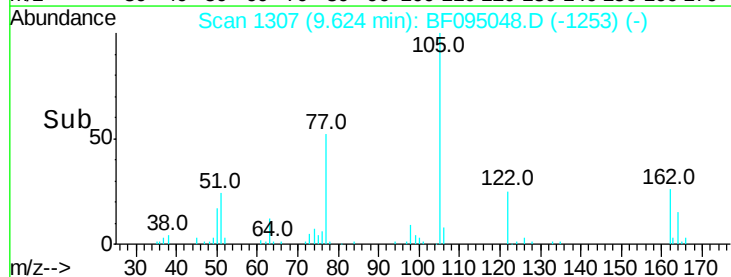
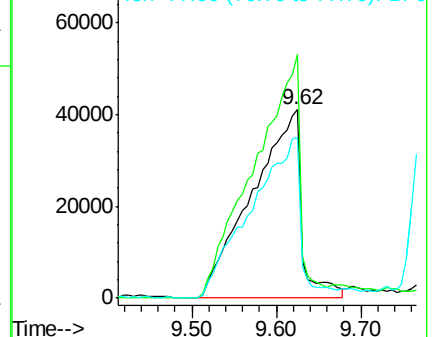
77 85.1 73.7 113.7

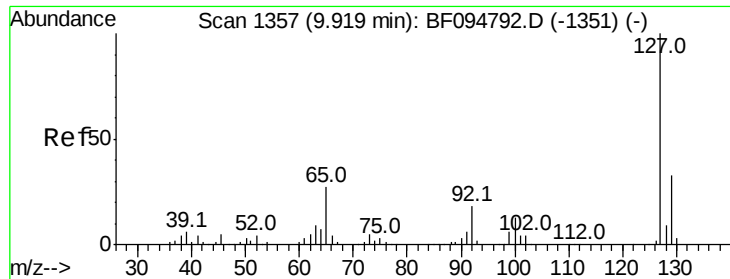


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

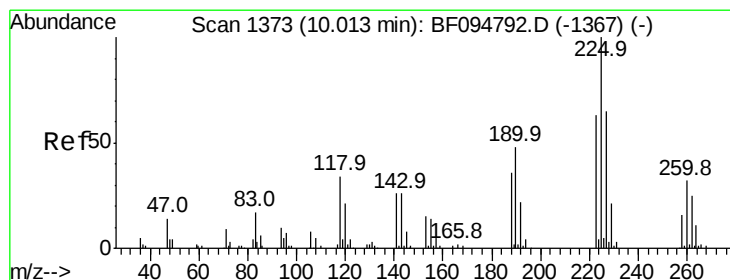
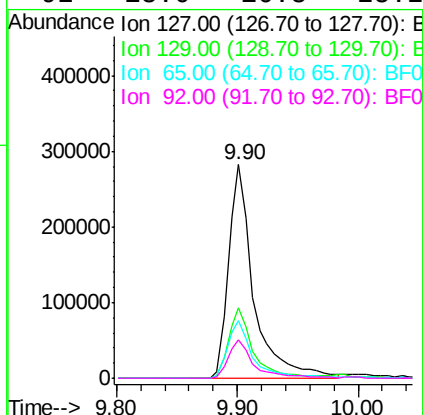
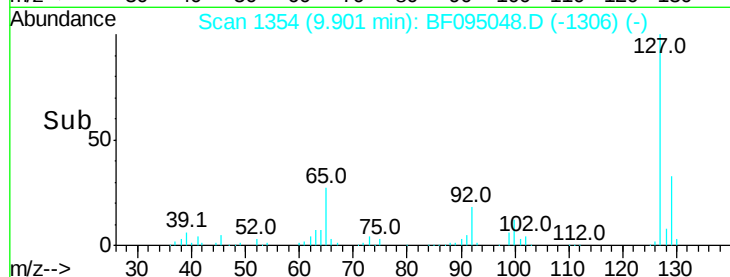
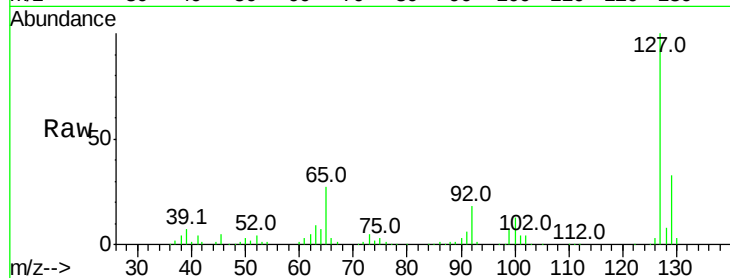




#33  
4-Chloroaniline  
Concen: 42.45 ng  
RT: 9.90 min Scan# 1354  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

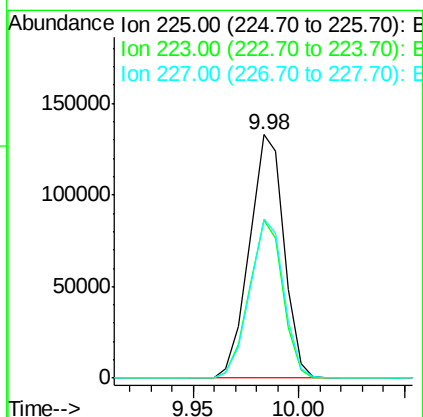
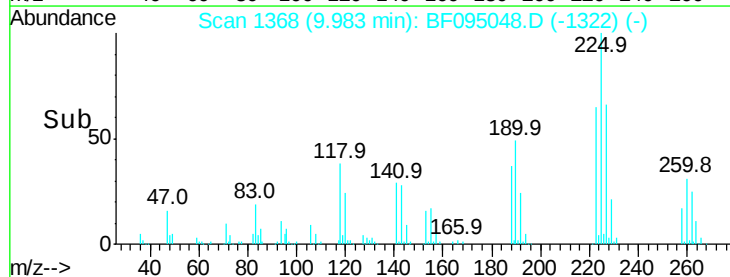
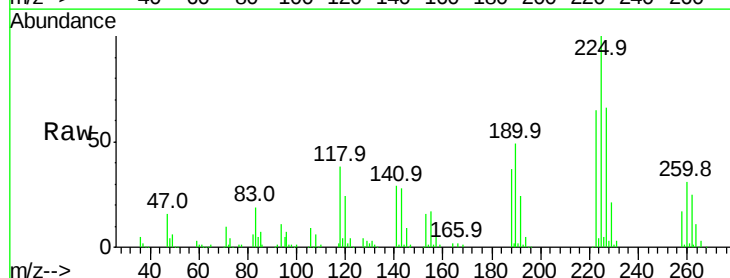
Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 407988 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.9  | 26.2  | 39.2   |
| 65       | 27.1  | 27.8  | 41.8#  |
| 92       | 18.0  | 16.8  | 25.2   |



#34  
Hexachlorobutadiene  
Concen: 38.01 ng  
RT: 9.98 min Scan# 1368  
Delta R.T. -0.03 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 150961 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.8  | 48.8  | 73.2   |
| 227      | 65.5  | 51.1  | 76.7   |





#35

Caprolactam

Concen: 43.20 ng

RT: 10.54 min Scan# 1463

Delta R.T. 0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

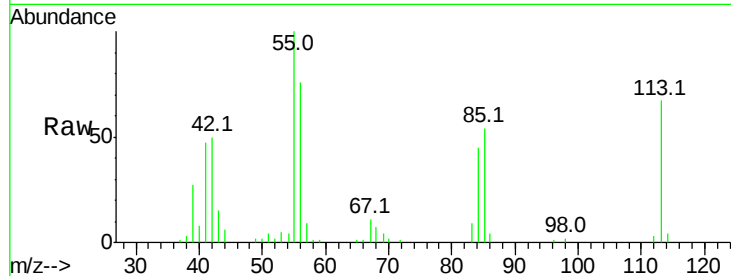
Tot Ion:113 Resp: 91158

Ion Ratio Lower Upper

113 100

55 150.1 150.2 190.2#

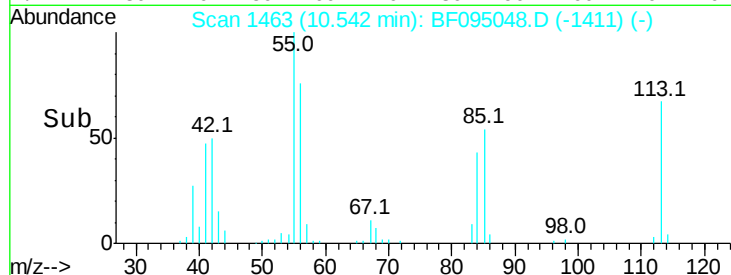
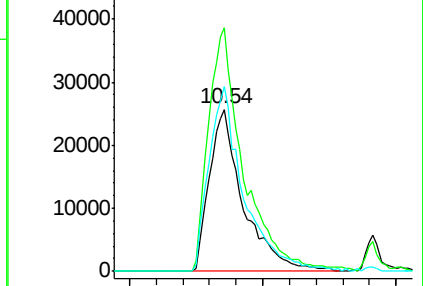
56 113.6 107.8 147.8



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: 40.32 ng

RT: 10.77 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

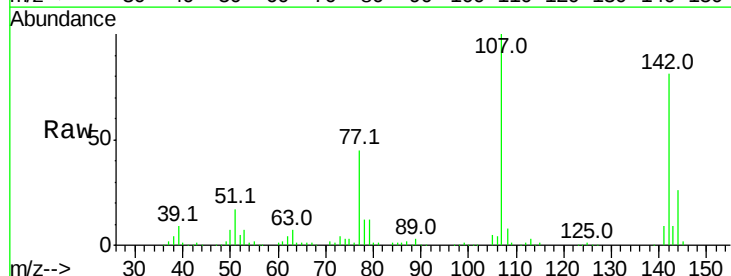
Tgt Ion:107 Resp: 302916

Ion Ratio Lower Upper

107 100

144 26.0 24.2 36.4

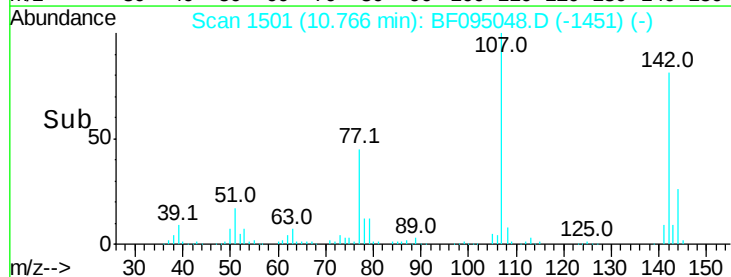
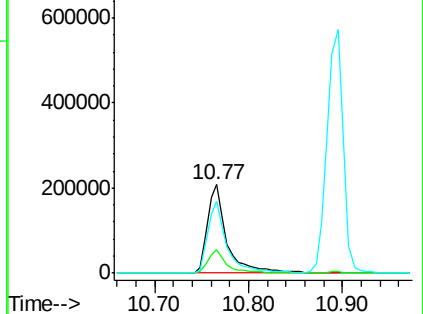
142 81.1 73.4 110.0

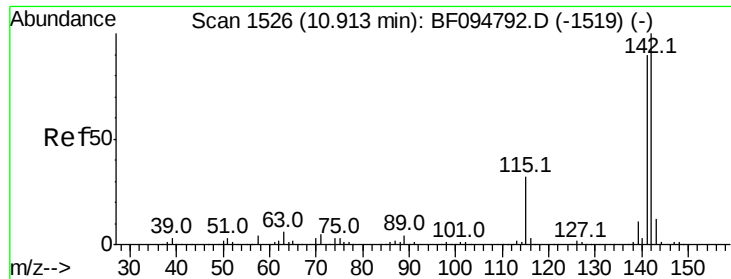


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

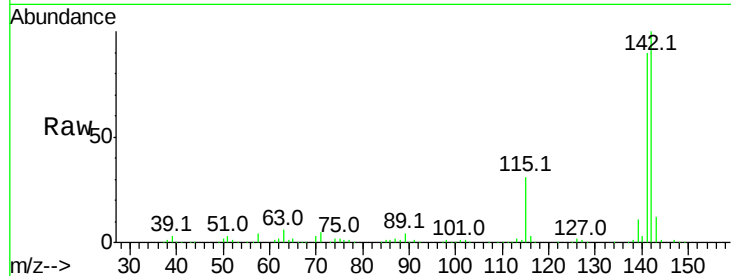




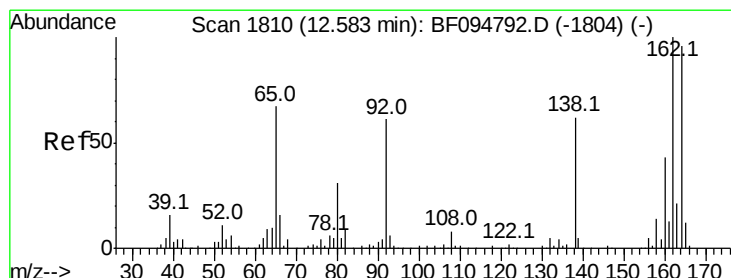
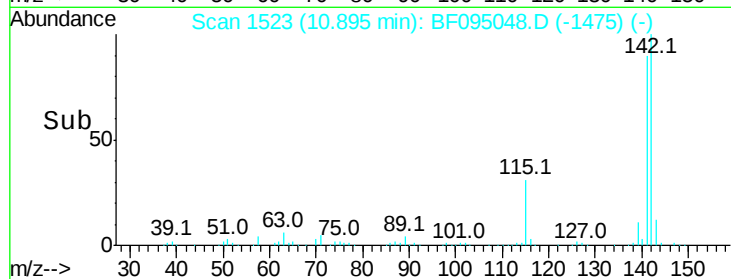
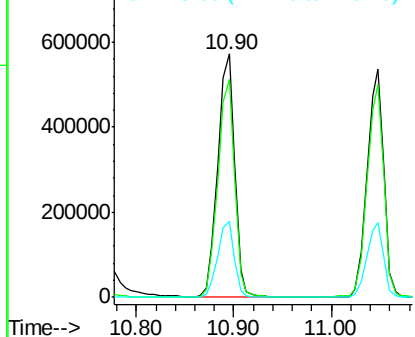
#37  
2-Methylnaphthalene  
Concen: 40.90 ng  
RT: 10.90 min Scan# 1523  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.7  | 71.3  | 106.9 |
| 115     | 31.2  | 27.1  | 40.7  |

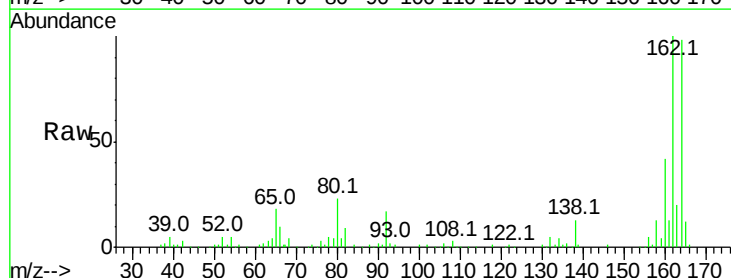


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

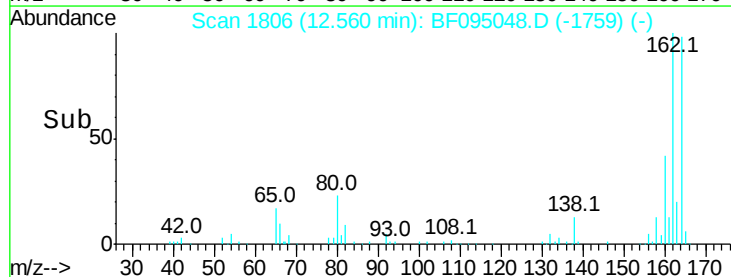
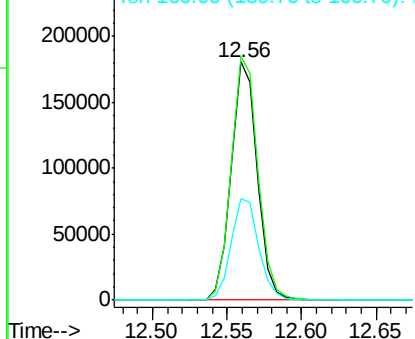


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.56 min Scan# 1806  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.2 | 82.6  | 123.8 |
| 160     | 42.5  | 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: 40.13 ng

RT: 11.17 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 274808

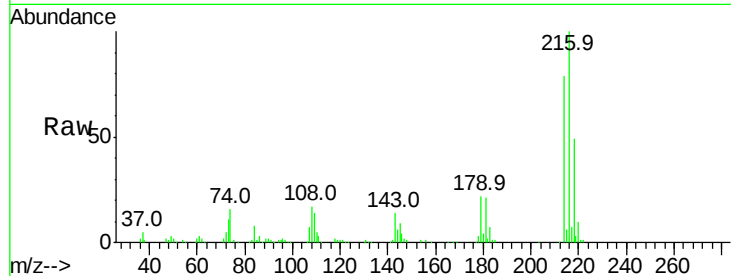
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.2

179 22.2 17.9 26.9

108 18.4 16.5 24.7

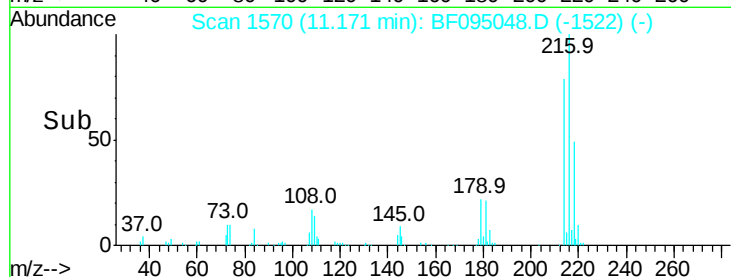
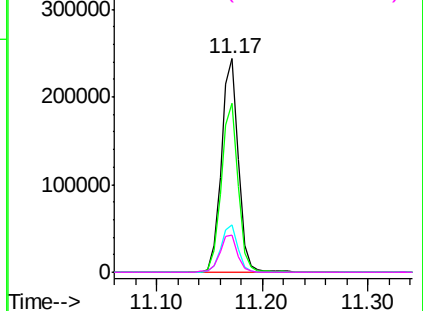


Abundance Ion 216.00 (215.70 to 216.70): E

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: 17.58 ng

RT: 11.14 min Scan# 1565

Delta R.T. -0.03 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

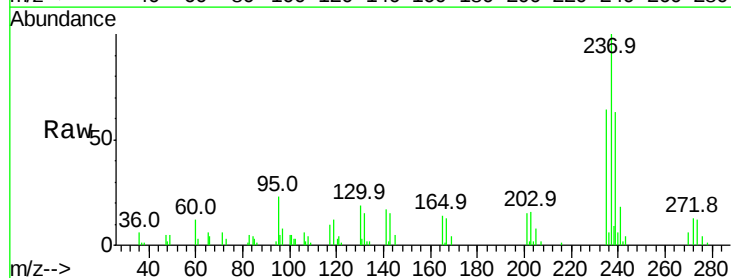
Tgt Ion:237 Resp: 35891

Ion Ratio Lower Upper

237 100

235 64.1 42.6 82.6

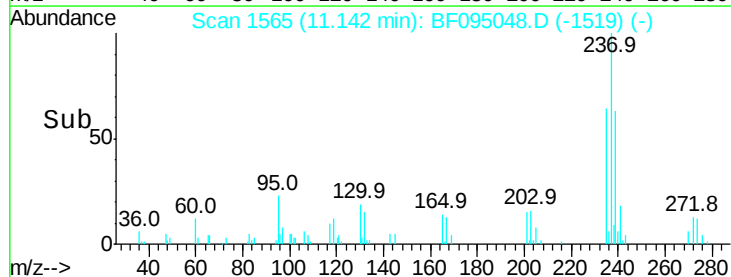
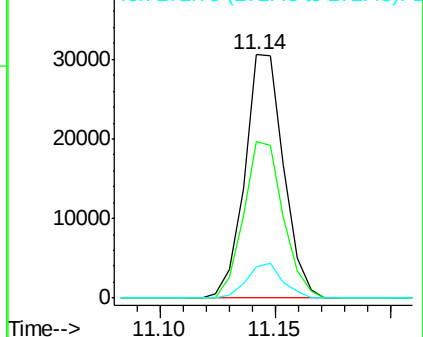
272 12.5 0.0 31.9



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

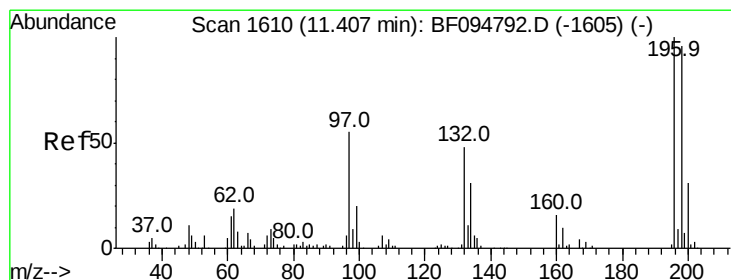
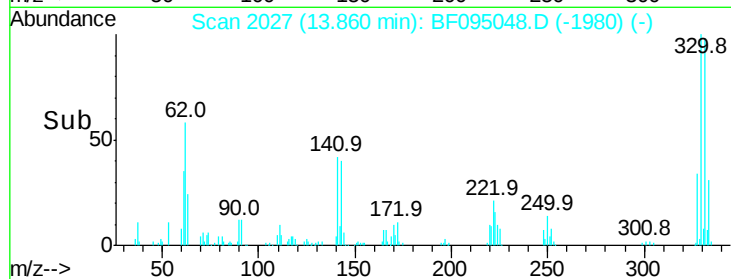
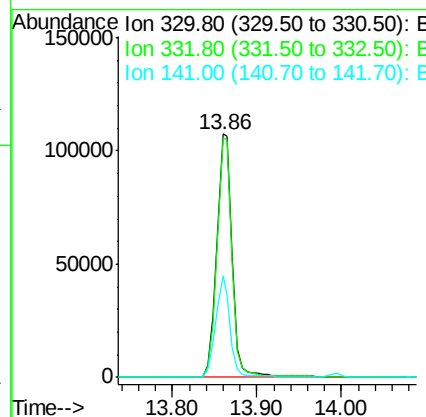
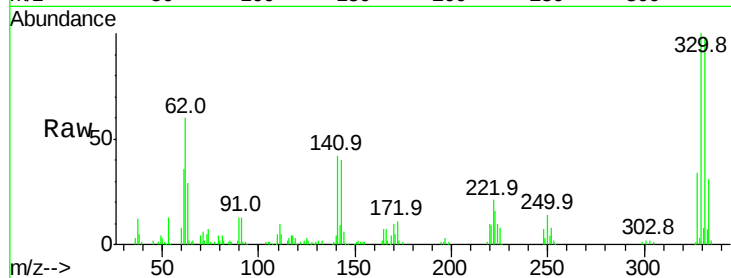




#41  
 2,4,6-Tribromophenol  
 Concen: 77.31 ng  
 RT: 13.86 min Scan# 2027  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

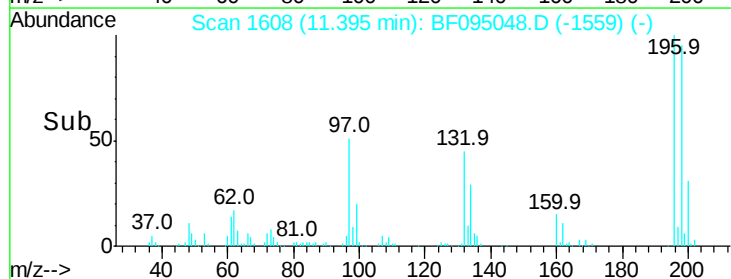
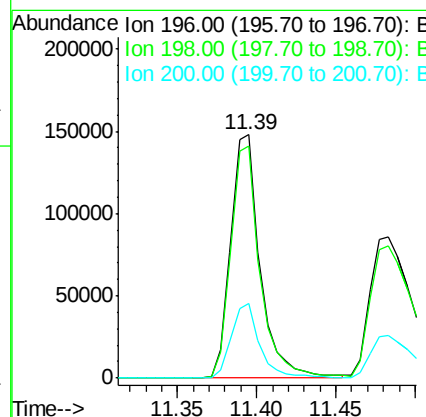
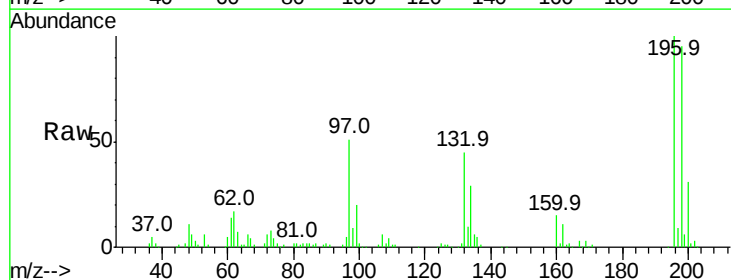
Instrument :  
 BNA\_F  
 ClientSampleID :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 76.6  | 115.0 |
| 141     | 39.2  | 31.4  | 47.2  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 41.69 ng  
 RT: 11.39 min Scan# 1608  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.5  | 74.2  | 111.4 |
| 200     | 30.9  | 24.0  | 36.0  |

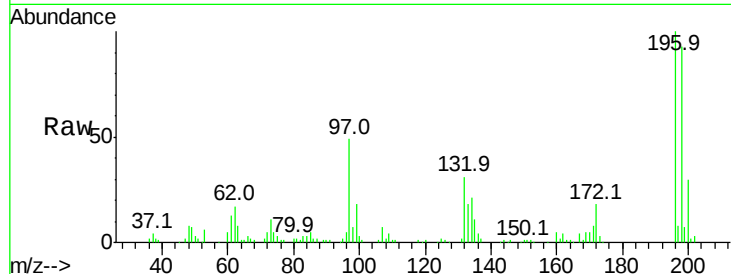




#43  
2,4,5-Trichlorophenol  
Concen: 37.38 ng  
RT: 11.48 min Scan# 1623  
Delta R.T. -0.00 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.1  | 75.7  | 113.5 |
| 97      | 48.9  | 47.7  | 71.5  |
| 132     | 31.3  | 28.0  | 42.0  |



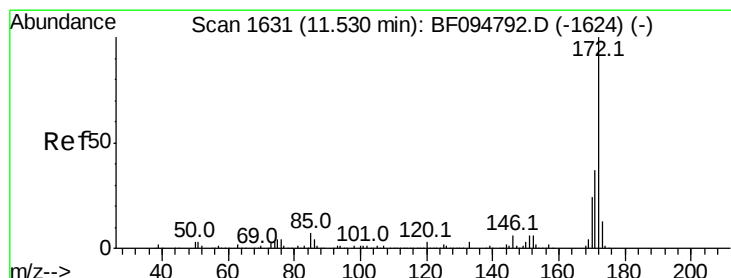
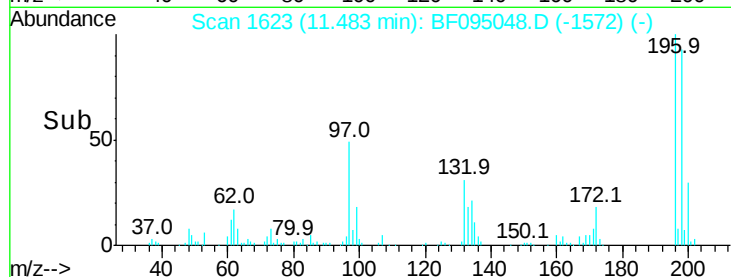
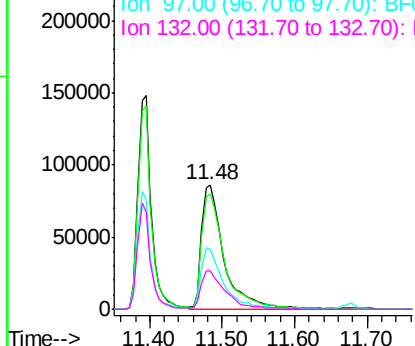
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

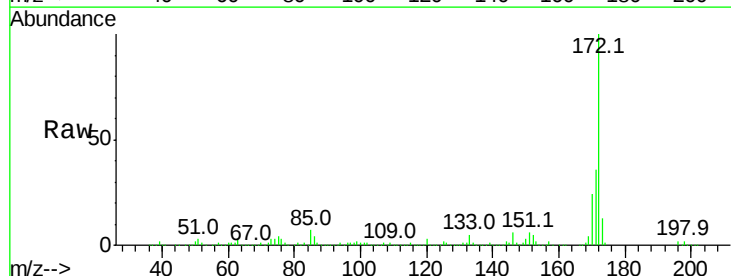
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
2-Fluorobiphenyl  
Concen: 79.17 ng  
RT: 11.51 min Scan# 1628  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.6  | 44.4  |
| 170     | 24.2  | 19.8  | 29.8  |

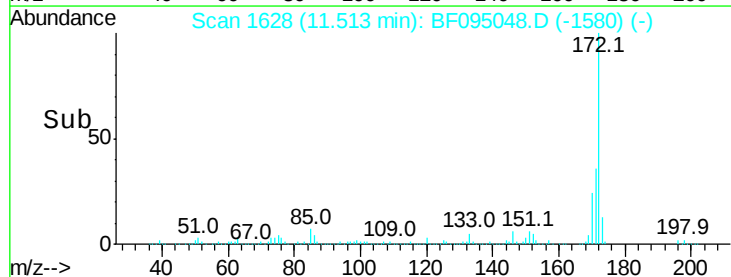
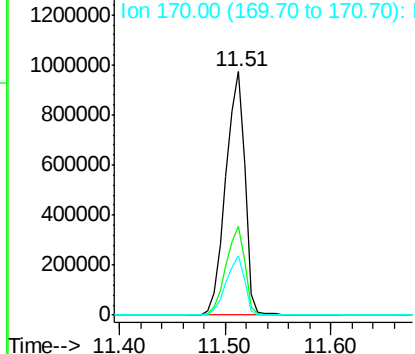


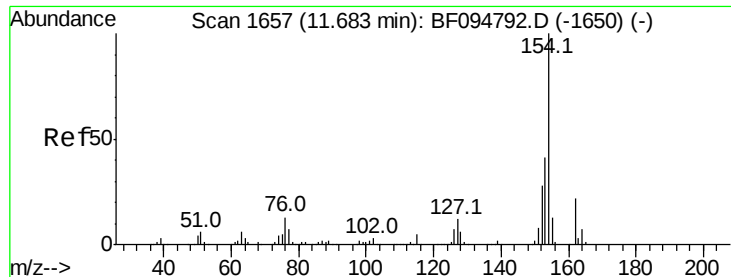
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 40.49 ng

RT: 11.66 min Scan# 1653

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

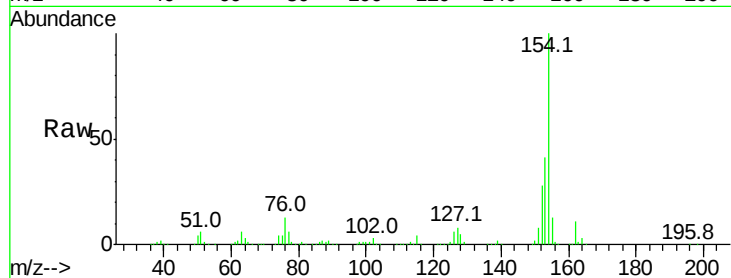
Tot Ion:154 Resp: 759131

Ion Ratio Lower Upper

154 100

153 40.7 21.2 61.2

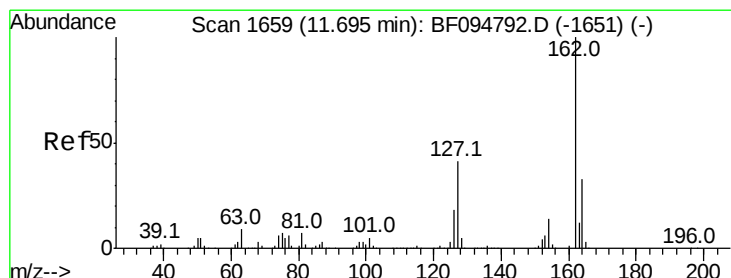
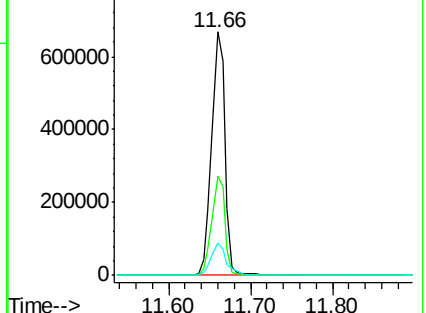
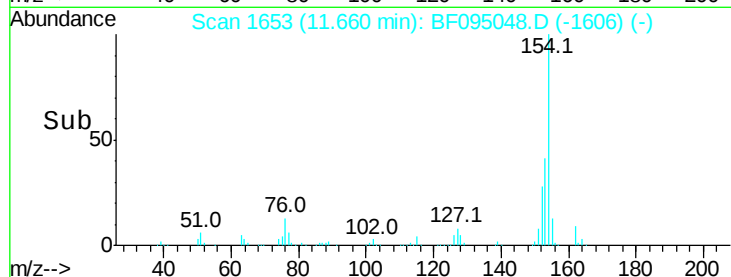
76 13.2 0.0 29.9



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: 39.19 ng

RT: 11.68 min Scan# 1656

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

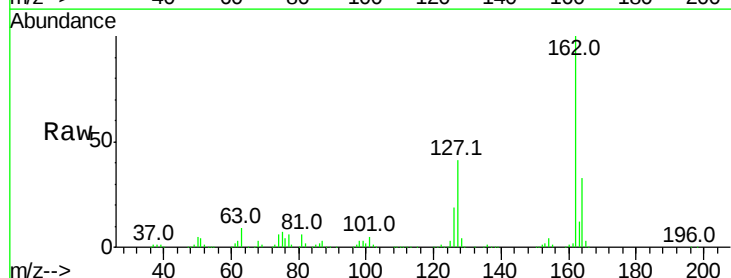
Tgt Ion:162 Resp: 593224

Ion Ratio Lower Upper

162 100

127 40.7 28.3 42.5

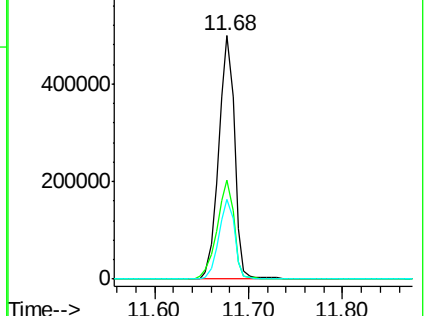
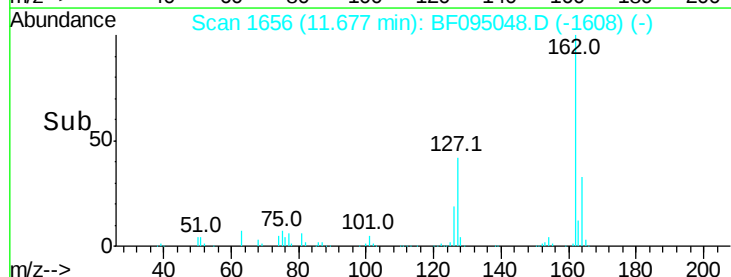
164 32.7 27.0 40.4



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

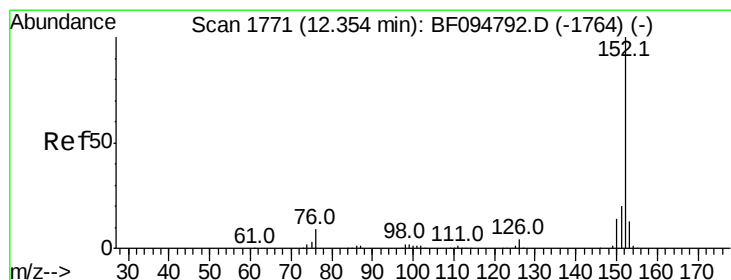
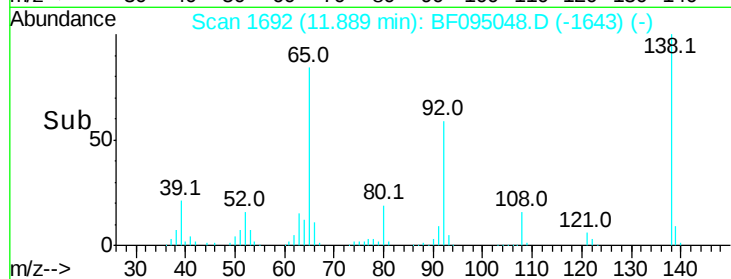
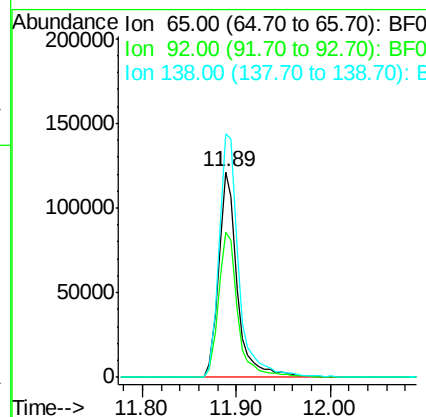
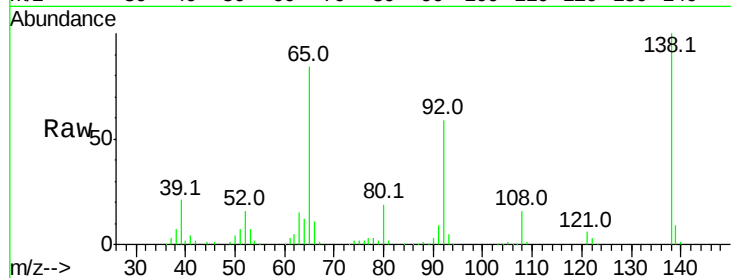




#47  
 2-Nitroaniline  
 Concen: 40.89 ng  
 RT: 11.89 min Scan# 1692  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

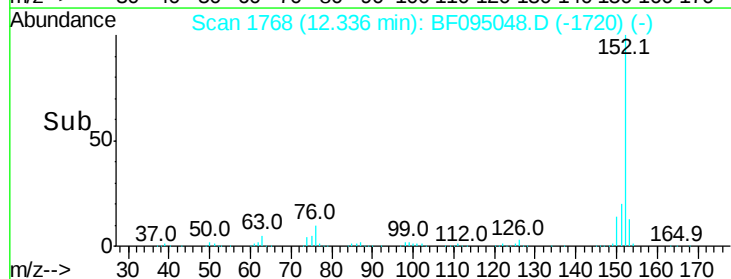
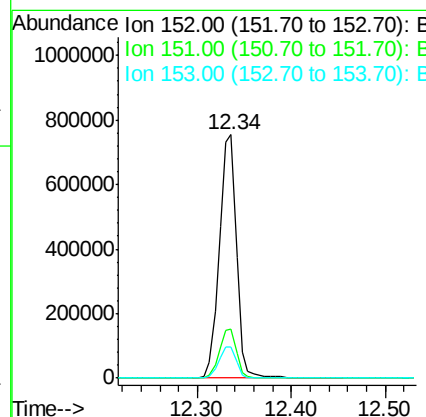
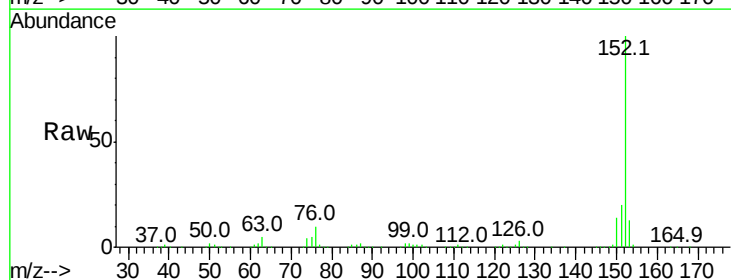
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 65 Resp: 169437  
 Ion Ratio Lower Upper  
 65 100  
 92 70.3 53.9 80.9  
 138 118.5 78.8 118.2#



#48  
 Acenaphthylene  
 Concen: 40.72 ng  
 RT: 12.34 min Scan# 1768  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion:152 Resp: 965486  
 Ion Ratio Lower Upper  
 152 100  
 151 20.2 16.8 25.2  
 153 13.0 10.8 16.2





#49

Dimethylphthalate

Concen: 38.67 ng

RT: 12.21 min Scan# 1746

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

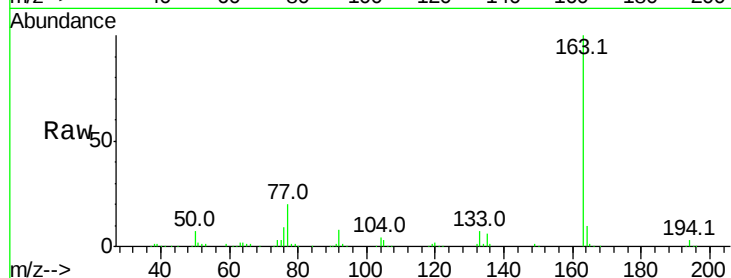
Tot Ion:163 Resp: 707028

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

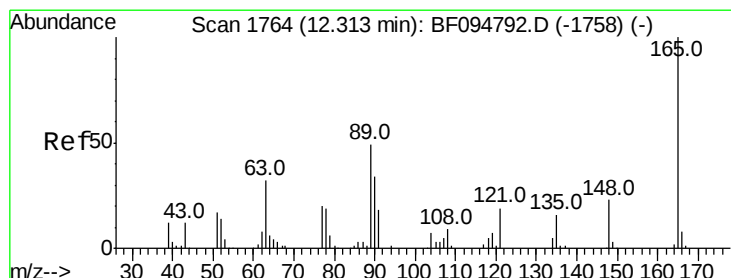
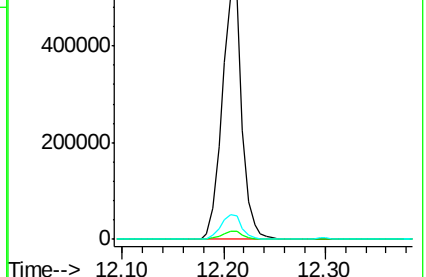
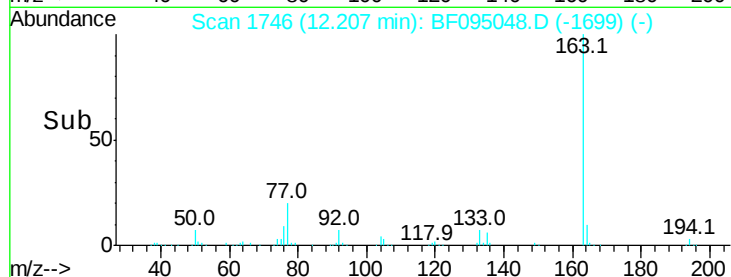
164 10.3 8.4 12.6



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: 42.05 ng

RT: 12.30 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

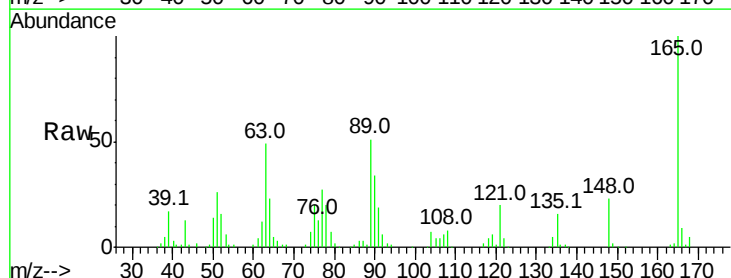
Tgt Ion:165 Resp: 156813

Ion Ratio Lower Upper

165 100

63 49.3 34.3 51.5

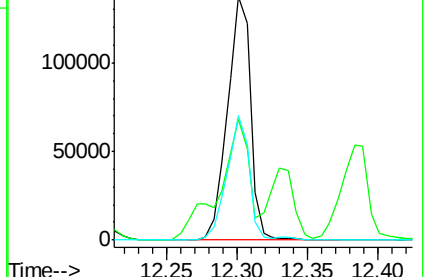
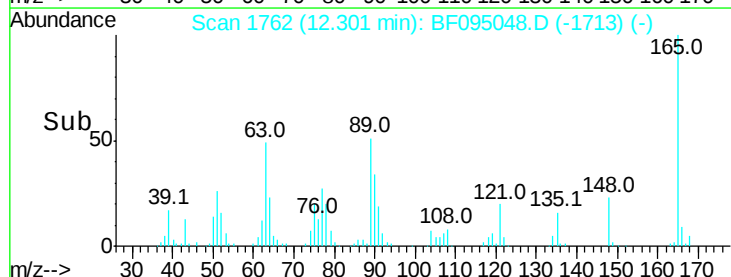
89 51.0 37.1 55.7

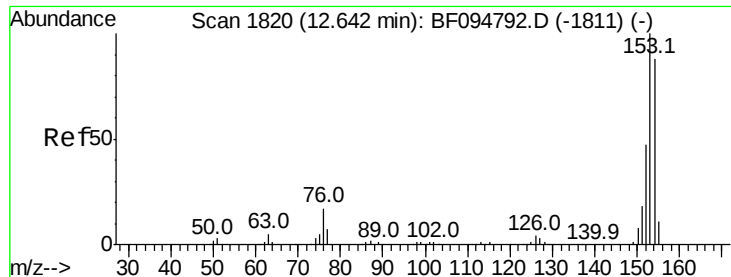


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.12 ng

RT: 12.62 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

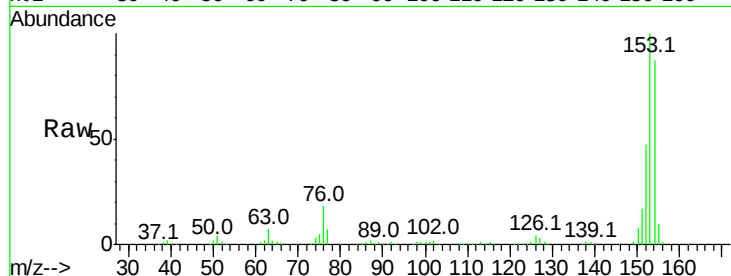
Tot Ion:154 Resp: 568201

Ion Ratio Lower Upper

154 100

153 114.6 90.5 135.7

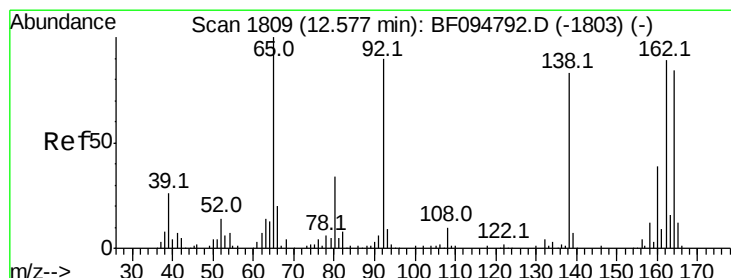
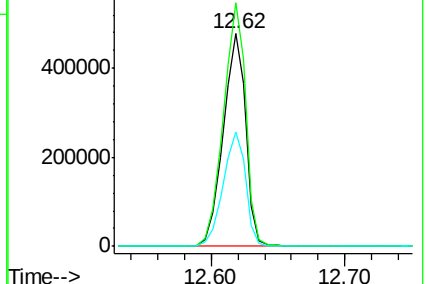
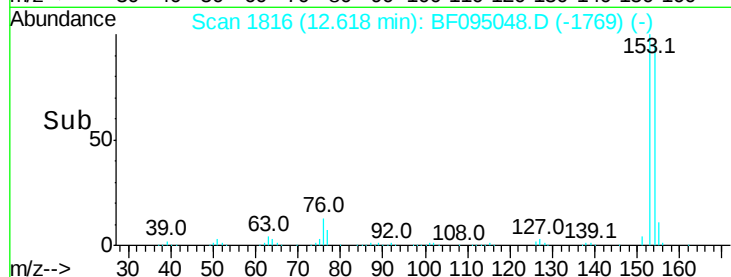
152 53.6 43.6 65.4



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: 42.03 ng

RT: 12.58 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

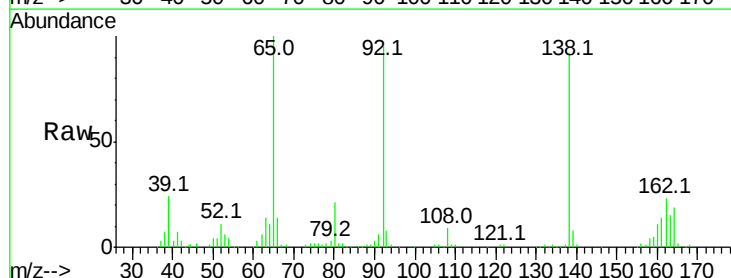
Tgt Ion:138 Resp: 168227

Ion Ratio Lower Upper

138 100

108 10.2 9.1 13.7

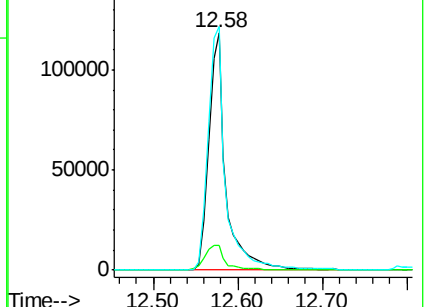
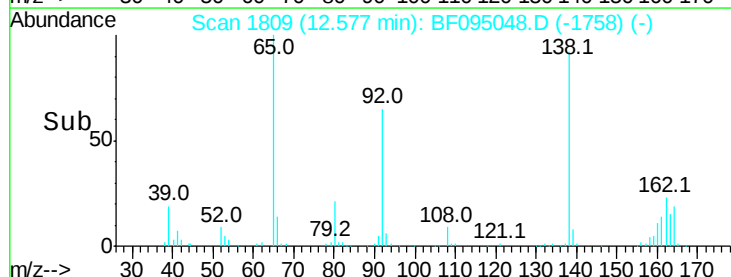
92 102.4 93.8 140.6

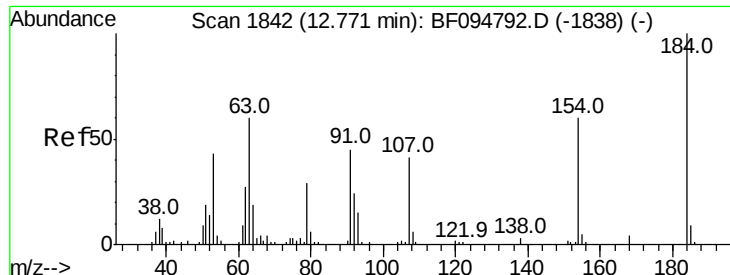


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 12.25 ng

RT: 12.79 min Scan# 1846

Delta R.T. 0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

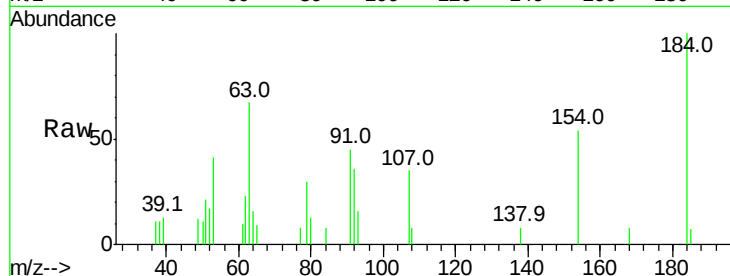
Tot Ion:184 Resp: 13368

Ion Ratio Lower Upper

184 100

63 66.9 62.7 94.1

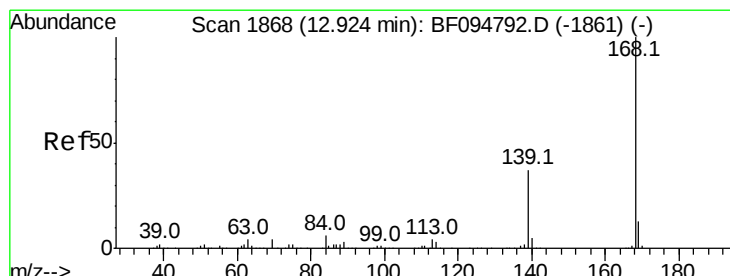
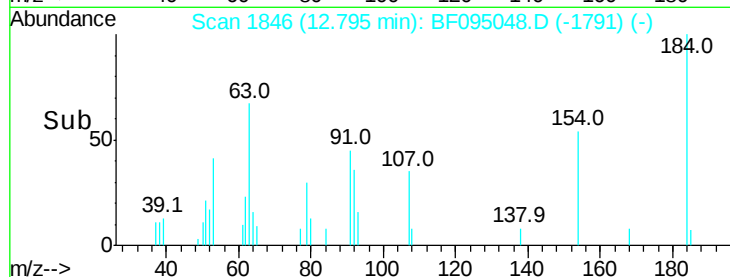
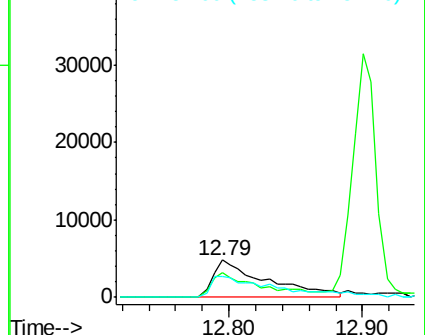
154 54.4 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 44.95 ng

RT: 12.91 min Scan# 1865

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

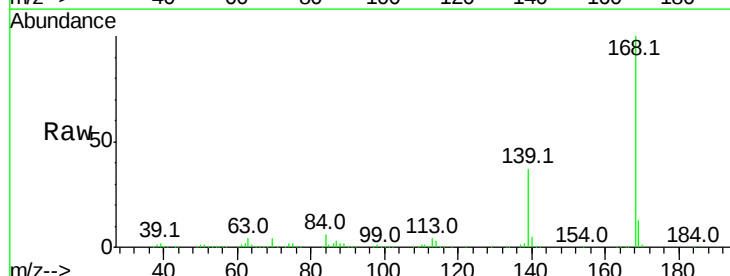
Tgt Ion:168 Resp: 880993

Ion Ratio Lower Upper

168 100

139 37.2 30.6 45.8

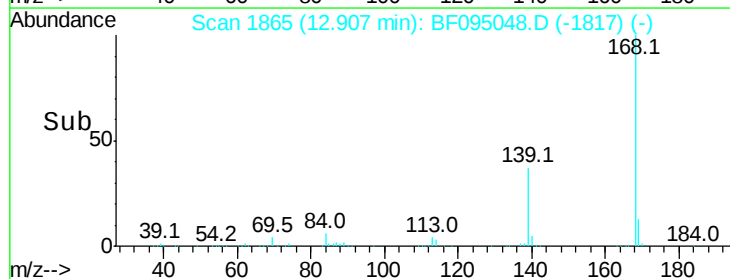
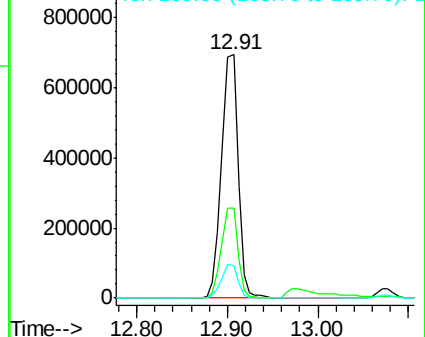
169 13.4 10.8 16.2

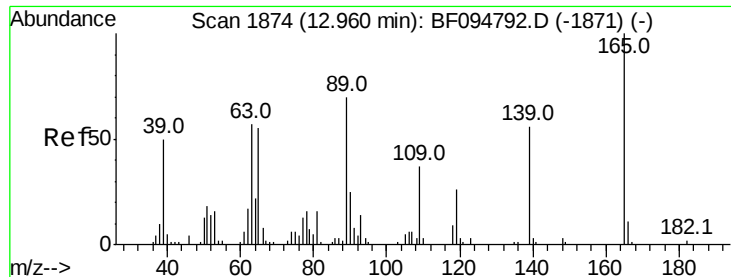


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

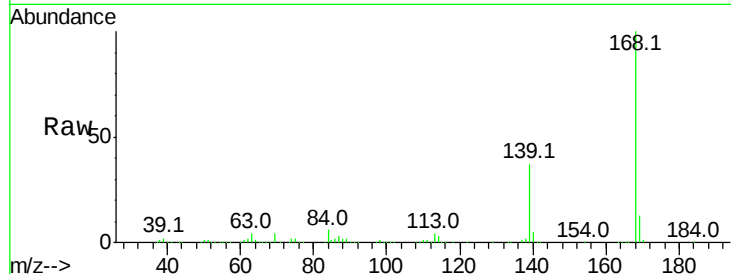




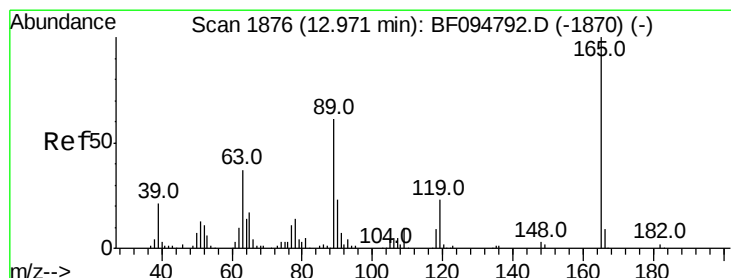
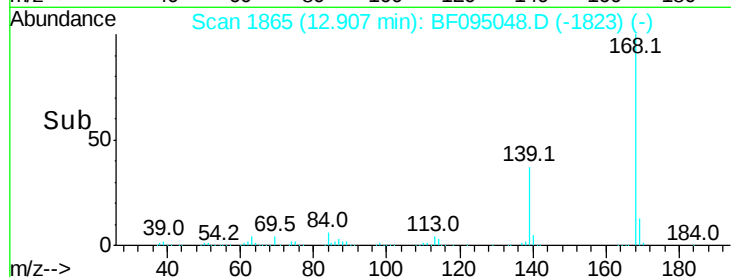
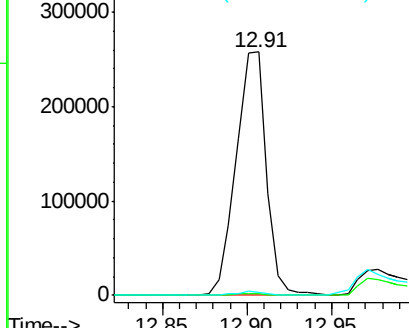
#55  
4-Nitrophenol  
Concen: 134.67 ng  
RT: 12.91 min Scan# 1865  
Delta R.T. -0.05 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 0.7   | 34.1  | 74.1# |
| 65      | 1.3   | 31.4  | 71.4# |



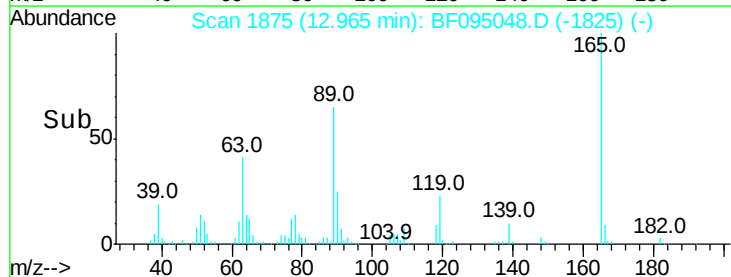
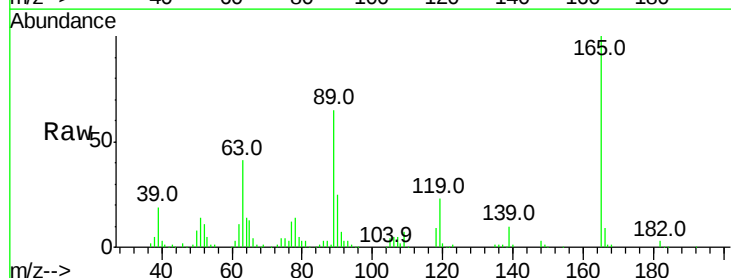
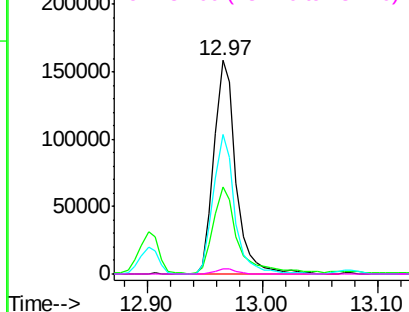
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

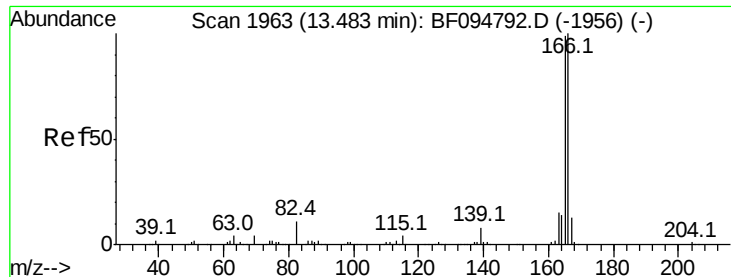


#56  
2,4-Dinitrotoluene  
Concen: 43.83 ng  
RT: 12.97 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 40.8  | 25.4  | 38.0# |
| 89      | 65.2  | 46.4  | 69.6  |
| 182     | 2.6   | 1.8   | 2.6   |

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  
Ion 182.00 (181.70 to 182.70): E

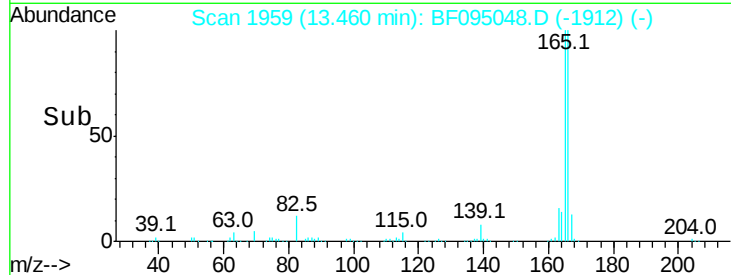
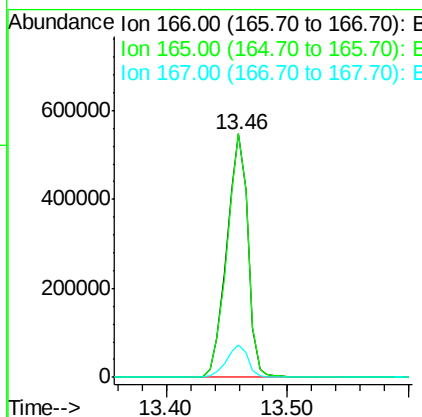
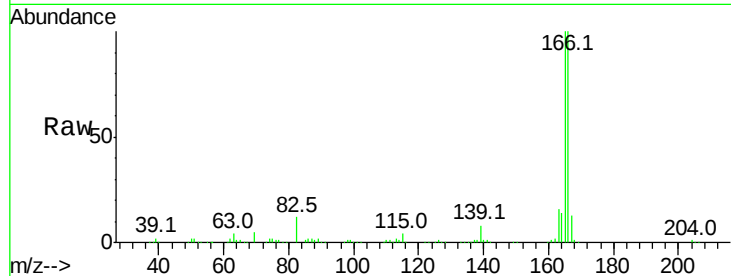




#57  
 Fluorene  
 Concen: 38.92 ng  
 RT: 13.46 min Scan# 1959  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

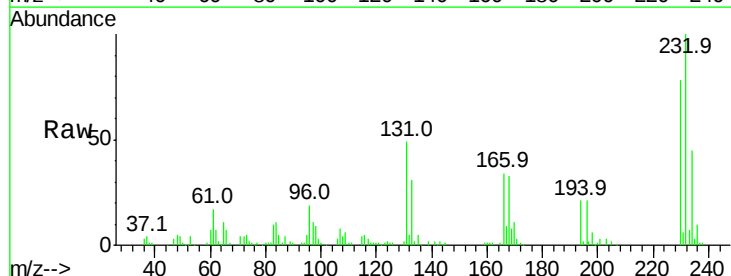
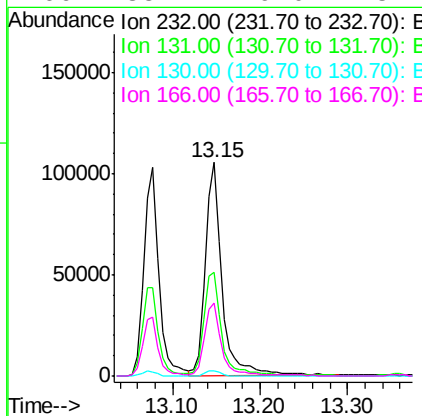
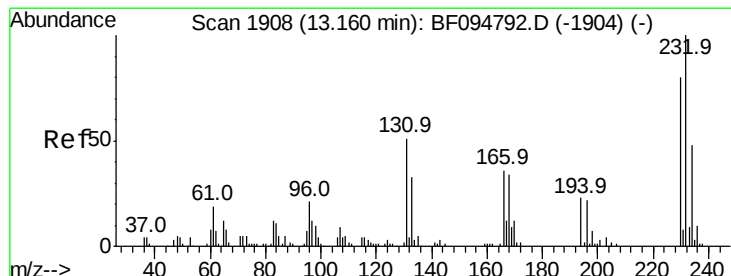
Instrument :  
 BNA\_F  
 ClientSampleId :

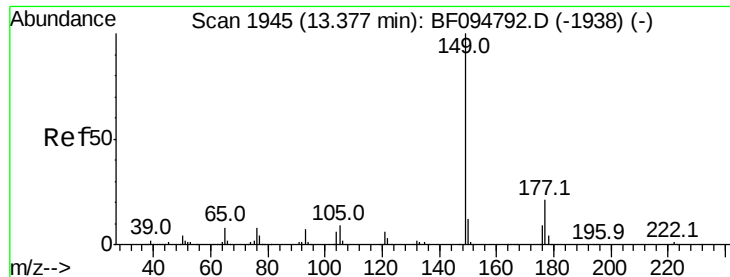
Tot Ion:166 Resp: 663292  
 Ion Ratio Lower Upper  
 166 100  
 165 99.8 78.8 118.2  
 167 13.4 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.06 ng  
 RT: 13.15 min Scan# 1906  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion:232 Resp: 139355  
 Ion Ratio Lower Upper  
 232 100  
 131 50.7 44.8 67.2  
 130 2.3 2.3 3.5#  
 166 35.7 29.0 43.4

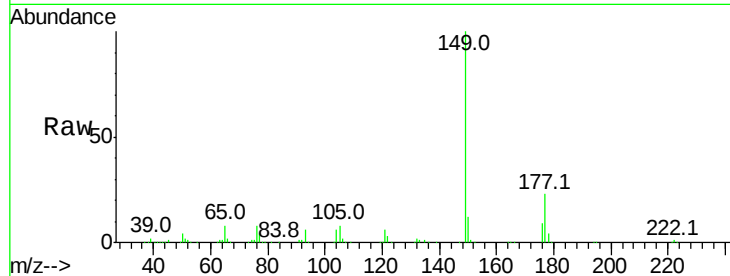




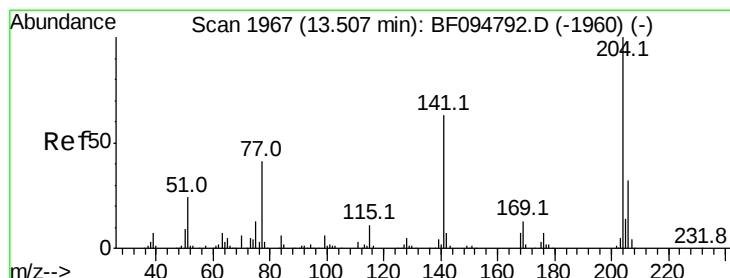
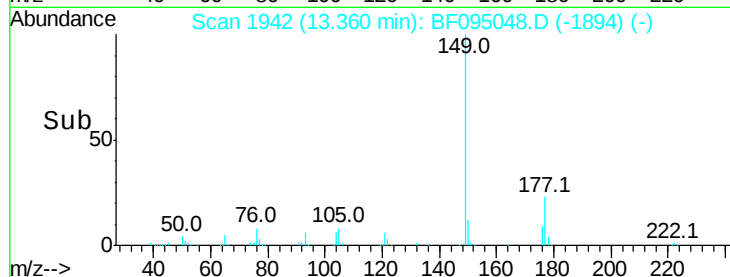
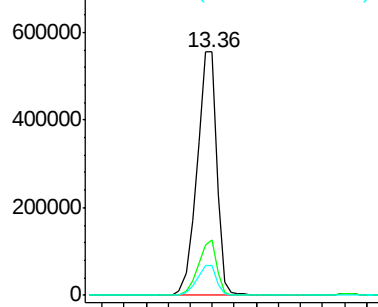
#59  
Diethylphthalate  
Concen: 39.79 ng  
RT: 13.36 min Scan# 1942  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 697239  
Ion Ratio Lower Upper  
149 100  
177 22.6 16.7 25.1  
150 12.2 10.2 15.2

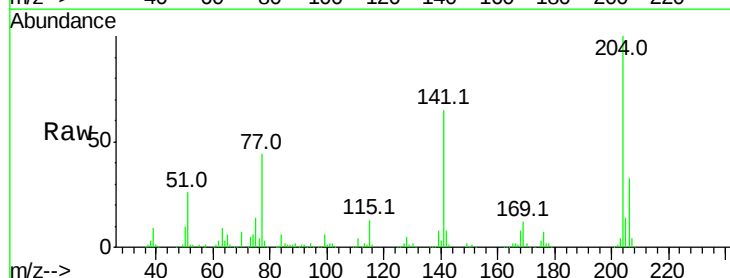


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

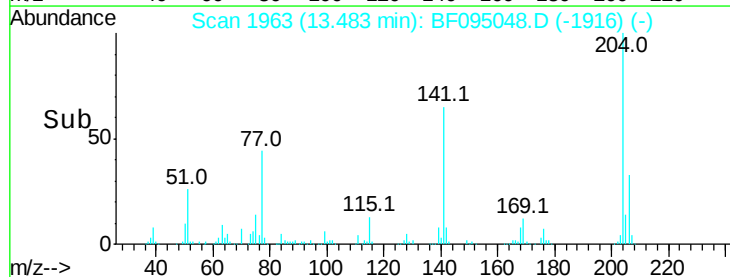
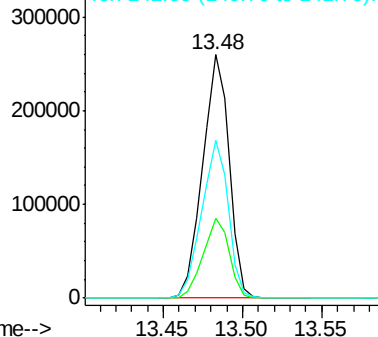


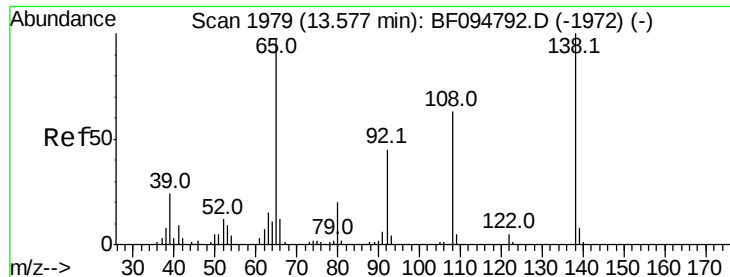
#60  
4-Chlorophenyl-phenylether  
Concen: 40.05 ng  
RT: 13.48 min Scan# 1963  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion:204 Resp: 299988  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.2 39.2  
141 64.8 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

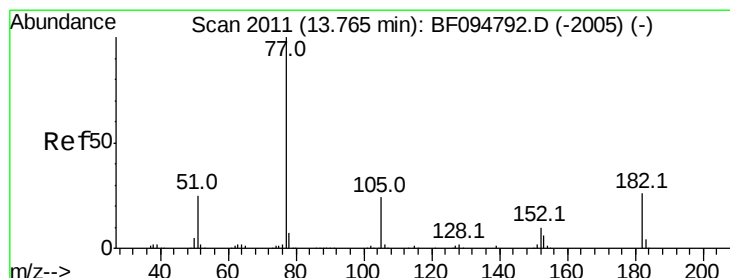
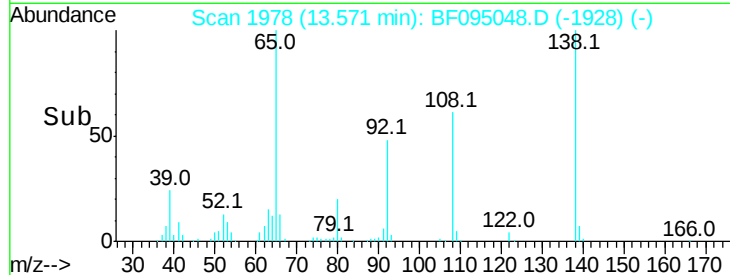
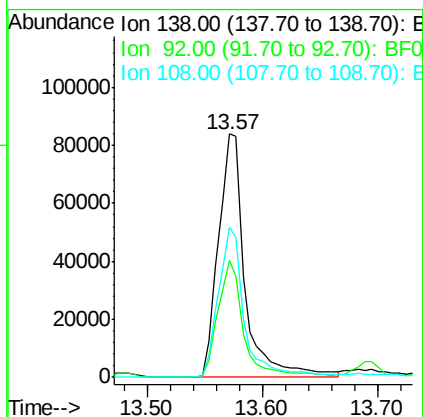
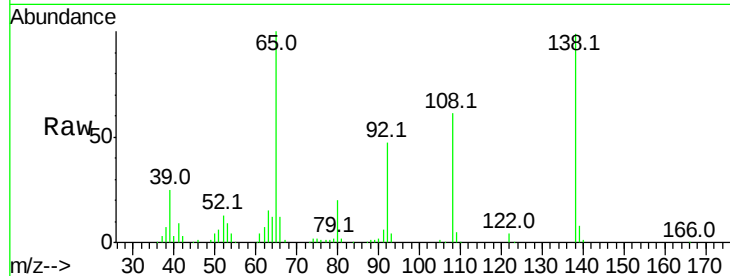




#61  
 4-Nitroaniline  
 Concen: 36.59 ng  
 RT: 13.57 min Scan# 1978  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

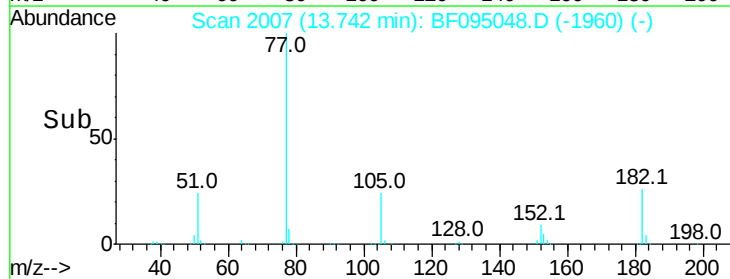
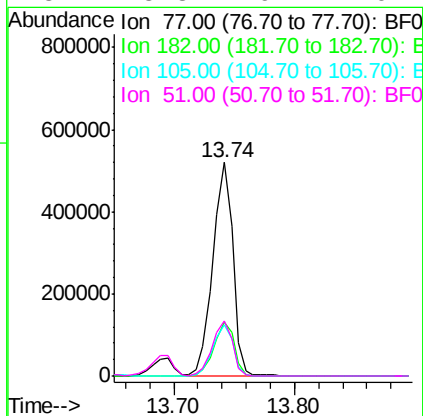
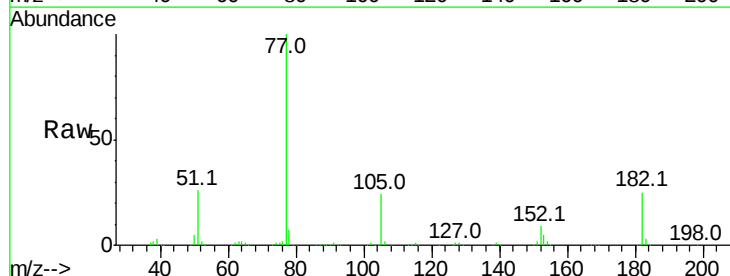
Instrument :  
 BNA\_F  
 ClientSampleId :

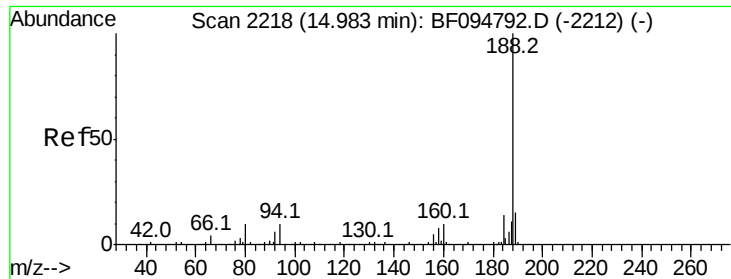
Tot Ion:138 Resp: 134472  
 Ion Ratio Lower Upper  
 138 100  
 92 48.1 21.8 61.8  
 108 61.6 42.3 82.3



#62  
 Azobenzene  
 Concen: 41.83 ng  
 RT: 13.74 min Scan# 2007  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion: 77 Resp: 588906  
 Ion Ratio Lower Upper  
 77 100  
 182 25.3 0.1 40.1  
 105 23.7 3.6 43.6  
 51 25.8 9.4 49.4

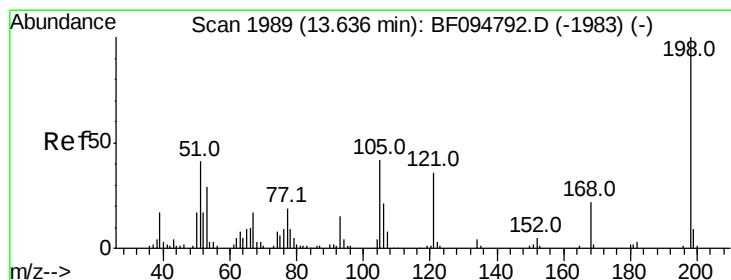
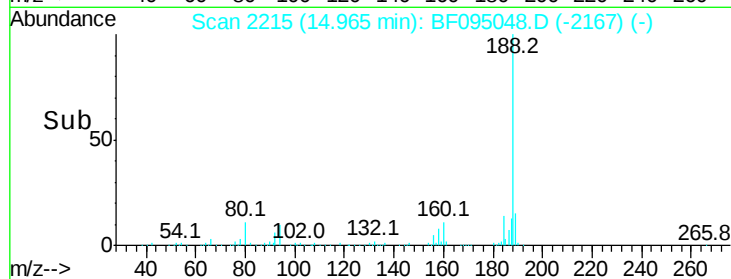
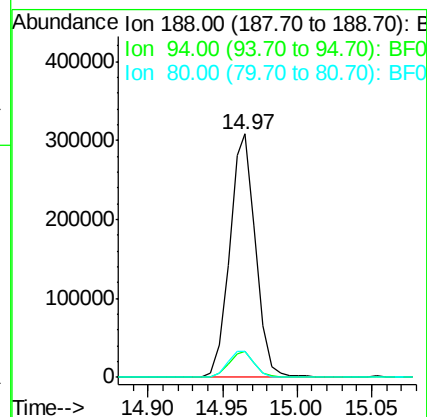
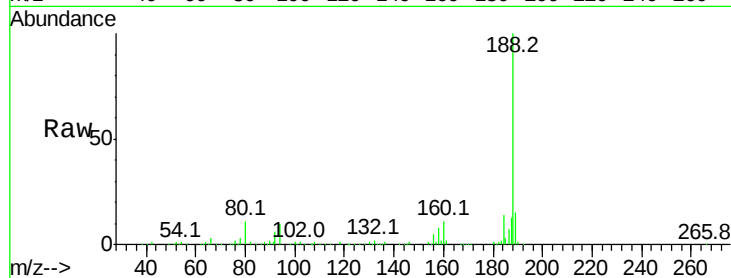




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.97 min Scan# 2215  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

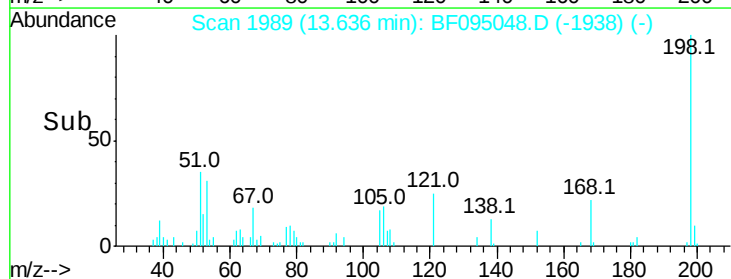
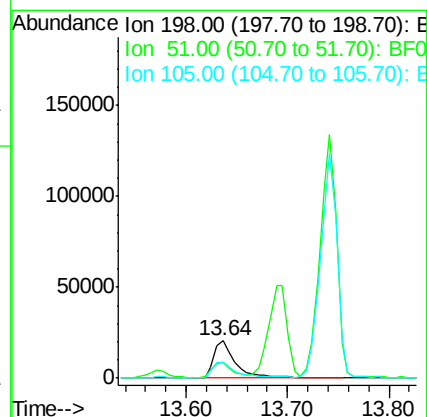
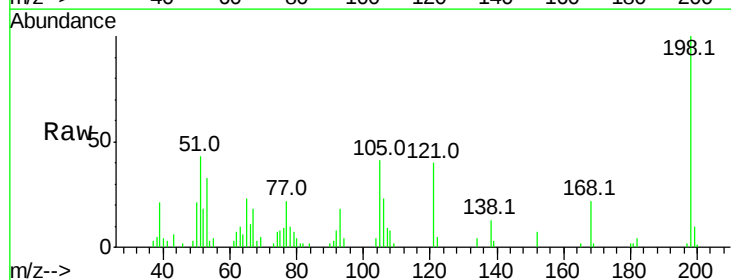
Instrument :  
BNA\_F  
ClientSampleId :

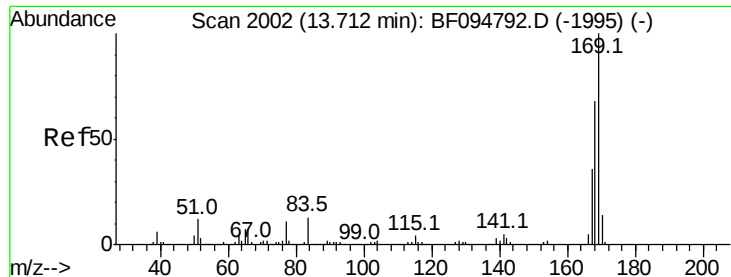
Tot Ion:188 Resp: 374899  
Ion Ratio Lower Upper  
188 100  
94 10.4 9.4 14.2  
80 10.8 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 12.40 ng  
RT: 13.64 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion:198 Resp: 31173  
Ion Ratio Lower Upper  
198 100  
51 42.8 53.2 93.2#  
105 40.9 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 39.40 ng

RT: 13.69 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampled :

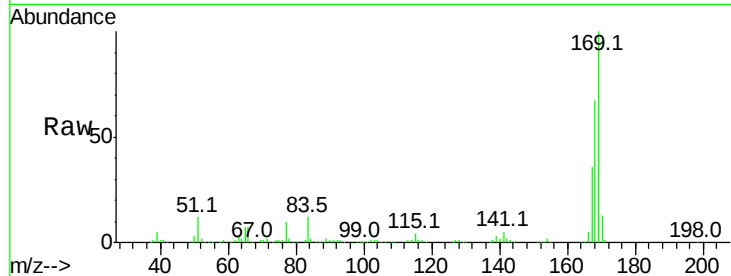
Tot Ion:169 Resp: 536088

Ion Ratio Lower Upper

169 100

168 66.9 53.2 79.8

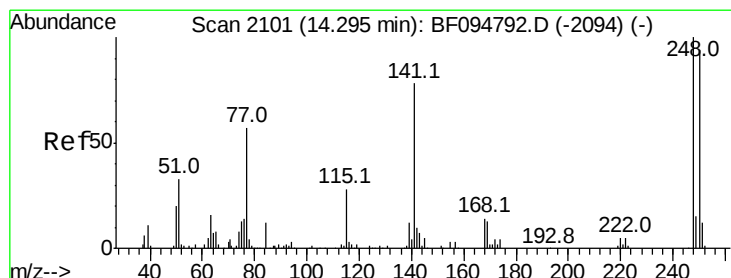
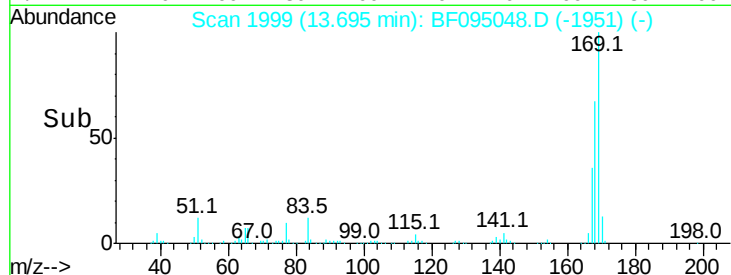
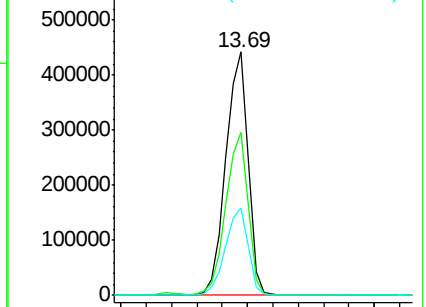
167 36.0 29.5 44.3



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



#66

4-Bromophenyl-phenylether

Concen: 42.07 ng

RT: 14.27 min Scan# 2097

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

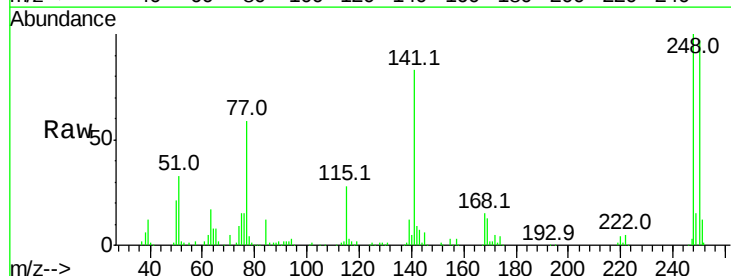
Tgt Ion:248 Resp: 166633

Ion Ratio Lower Upper

248 100

250 97.2 76.8 115.2

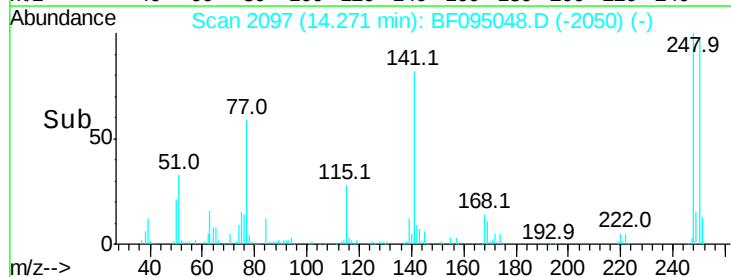
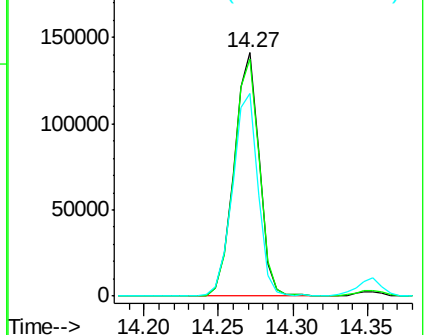
141 83.1 68.6 103.0



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





#67

Hexachlorobenzene

Concen: 39.20 ng

RT: 14.35 min Scan# 2111

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

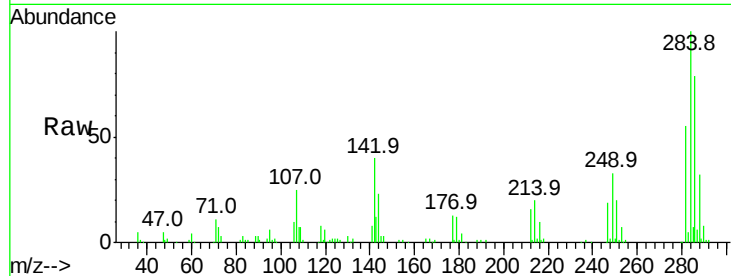
Tot Ion:284 Resp: 159119

Ion Ratio Lower Upper

284 100

142 40.0 22.8 34.2#

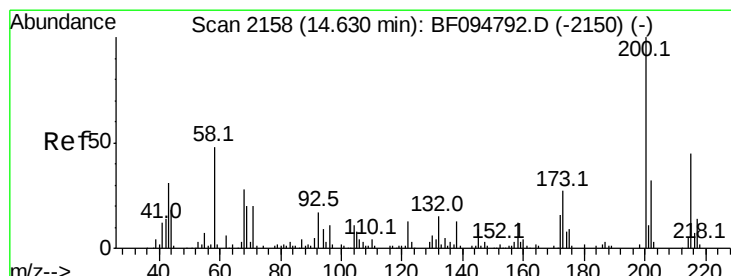
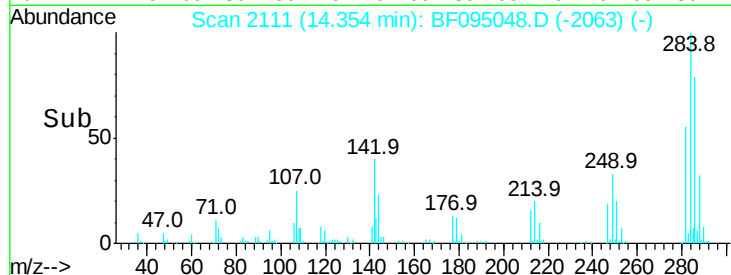
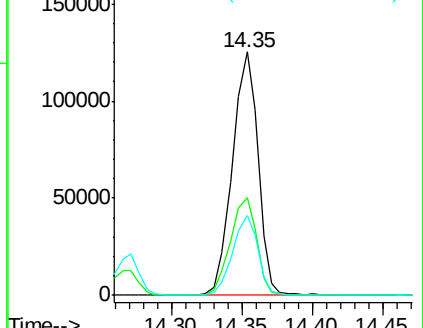
249 32.5 24.0 36.0



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: 39.79 ng

RT: 14.61 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

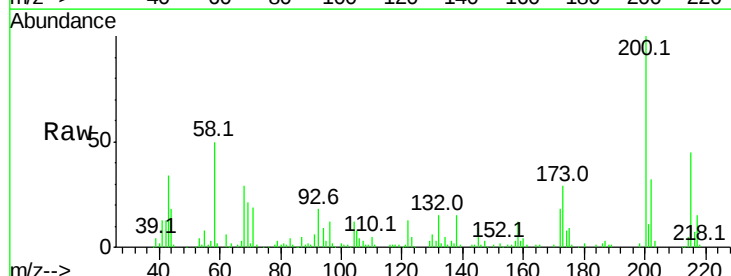
Tgt Ion:200 Resp: 152857

Ion Ratio Lower Upper

200 100

173 28.9 6.3 46.3

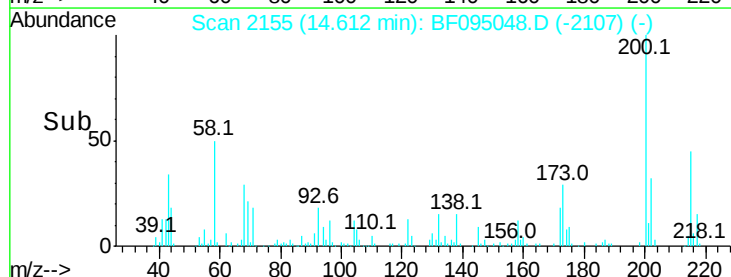
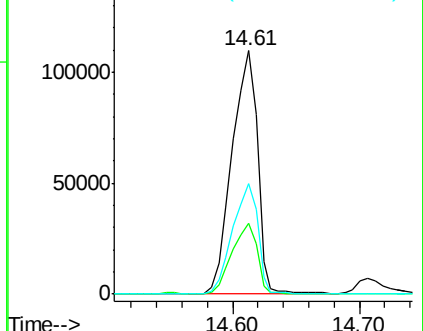
215 45.3 27.2 67.2

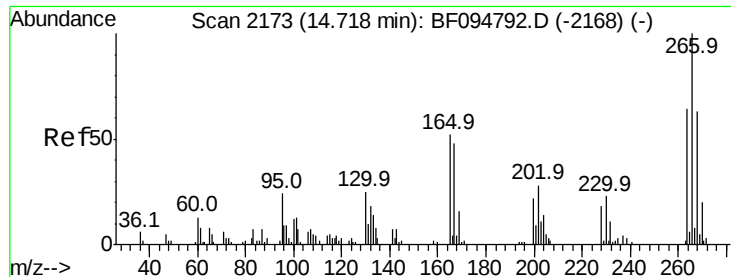


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

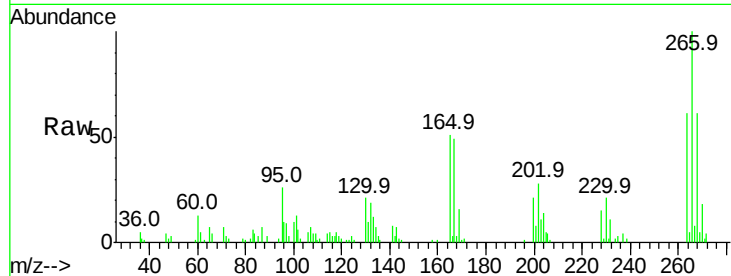




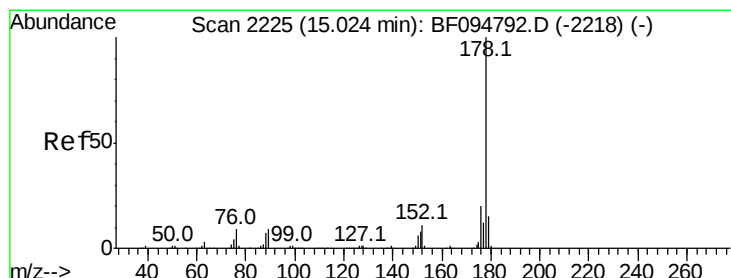
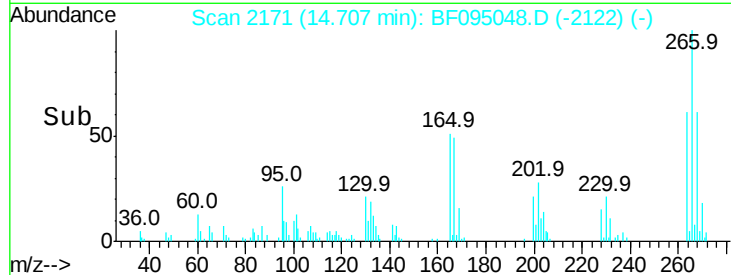
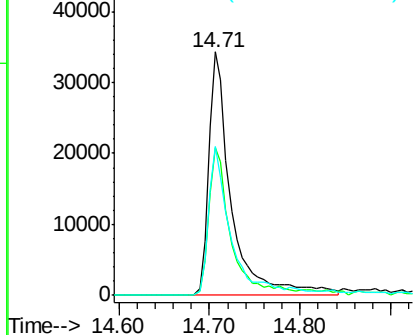
#69  
 Pentachlorophenol  
 Concen: 36.13 ng  
 RT: 14.71 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 59936  
 Ion Ratio Lower Upper  
 266 100  
 268 60.5 51.1 76.7  
 264 61.1 51.7 77.5

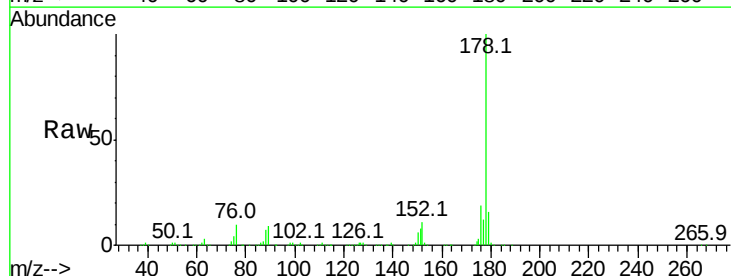


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

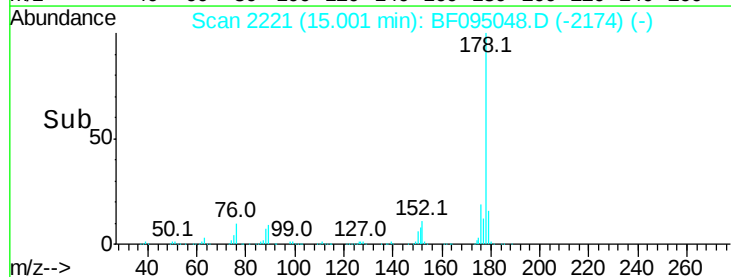
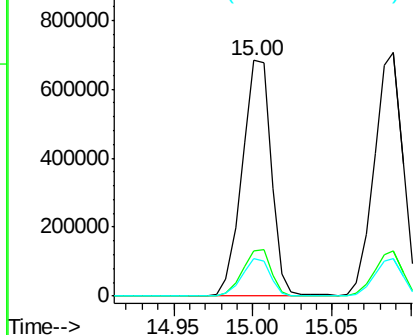


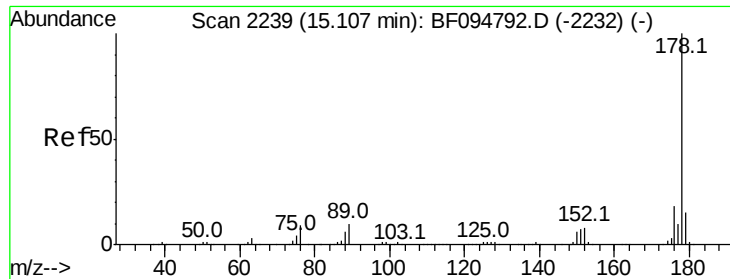
#70  
 Phenanthrene  
 Concen: 40.51 ng  
 RT: 15.00 min Scan# 2221  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion:178 Resp: 872564  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 16.2 24.4  
 179 15.8 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: 41.13 ng

RT: 15.09 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampled :

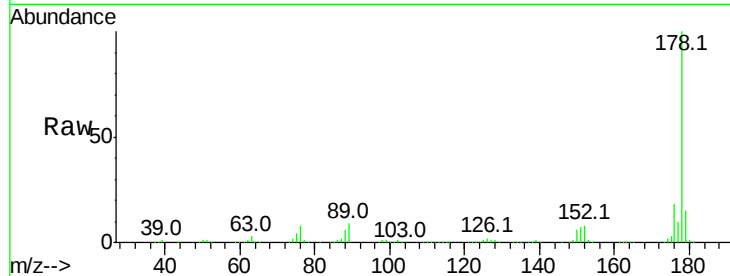
Tot Ion:178 Resp: 905004

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

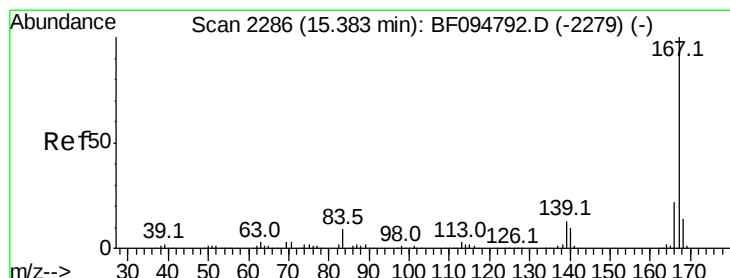
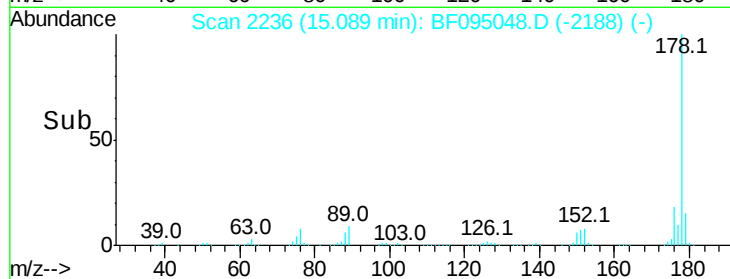
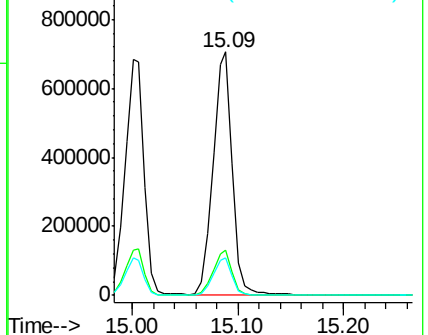
179 15.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.70 ng

RT: 15.37 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

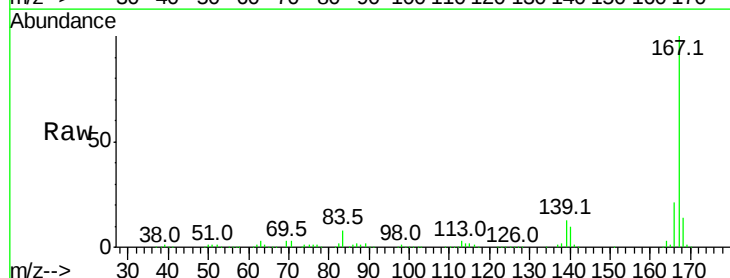
Tgt Ion:167 Resp: 794844

Ion Ratio Lower Upper

167 100

166 21.1 18.1 27.1

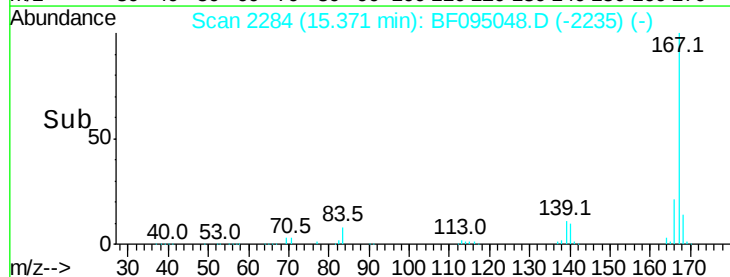
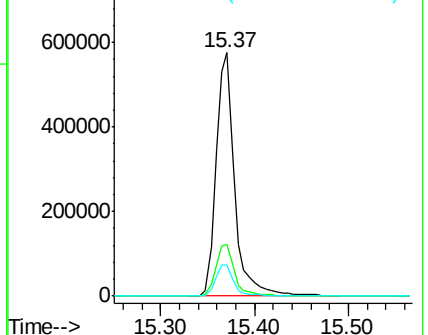
139 12.5 11.7 17.5

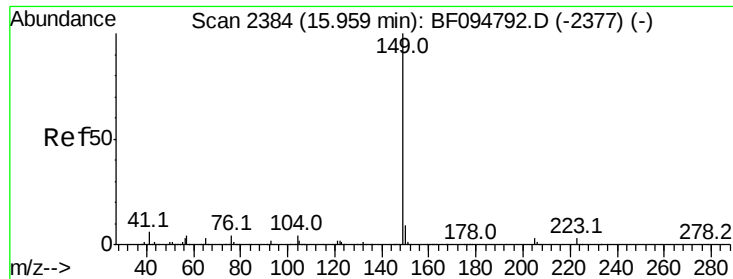


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.54 ng

RT: 15.94 min Scan# 2380

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

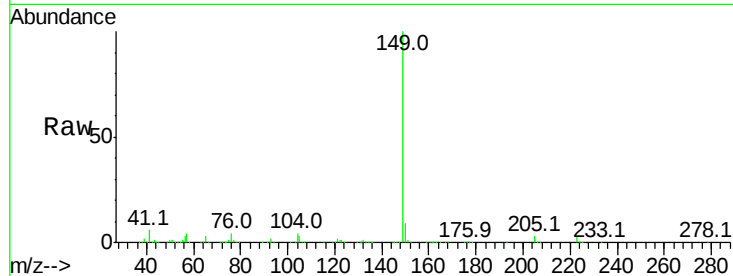
Tot Ion:149 Resp: 1062159

Ion Ratio Lower Upper

149 100

150 8.9 7.7 11.5

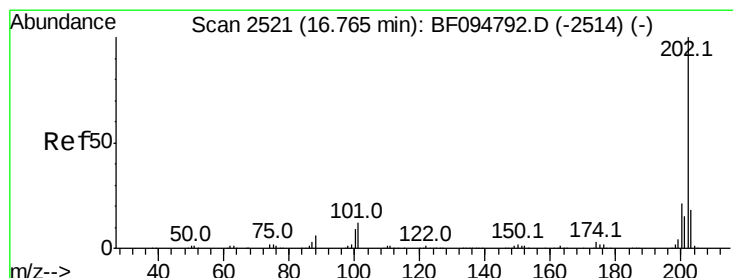
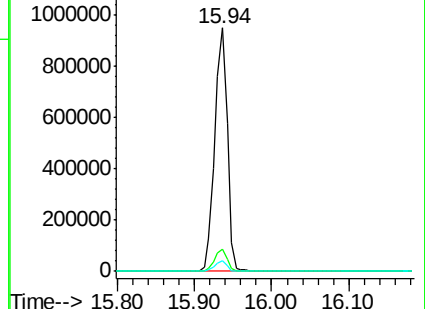
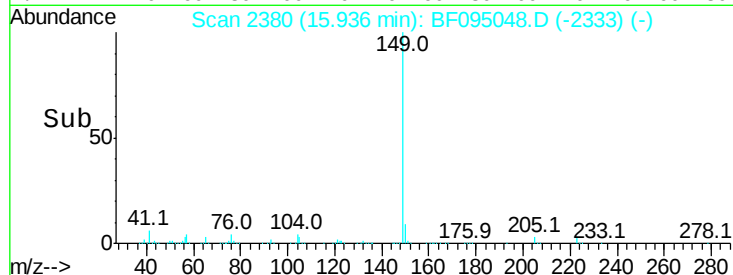
104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 35.36 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

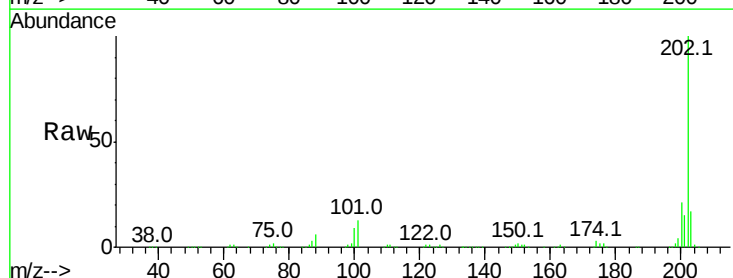
Tgt Ion:202 Resp: 781346

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

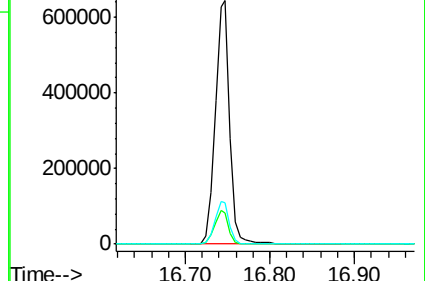
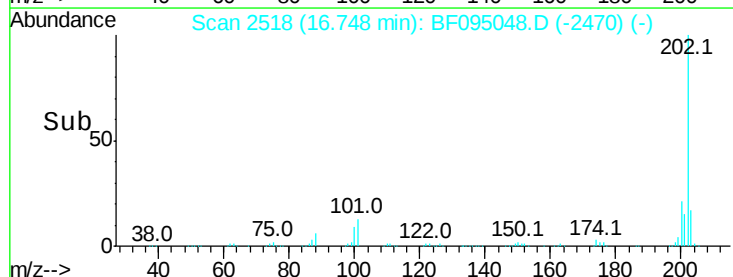
203 16.9 0.0 38.1

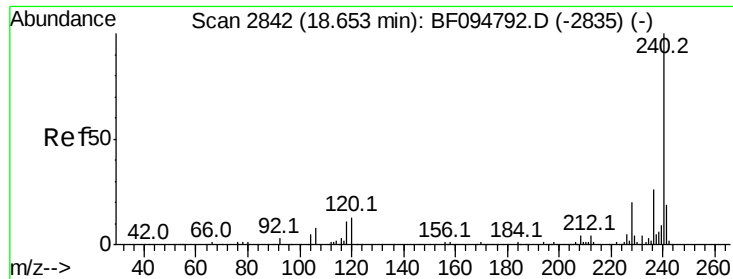


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

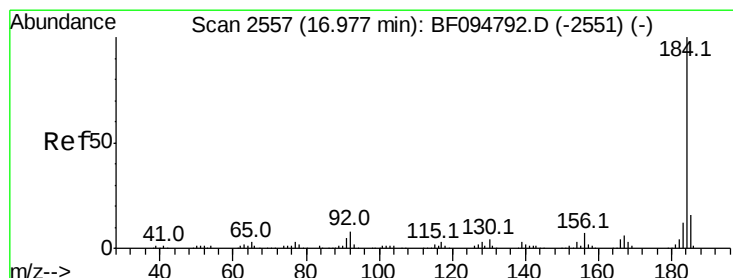
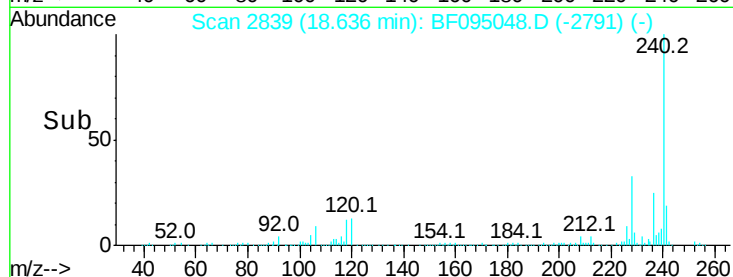
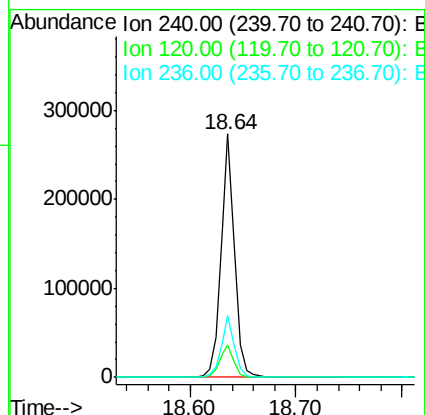
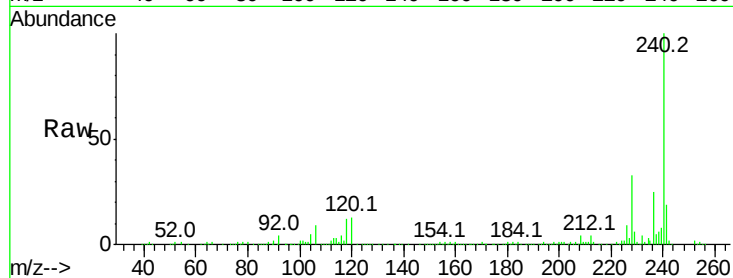




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.64 min Scan# 2839  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

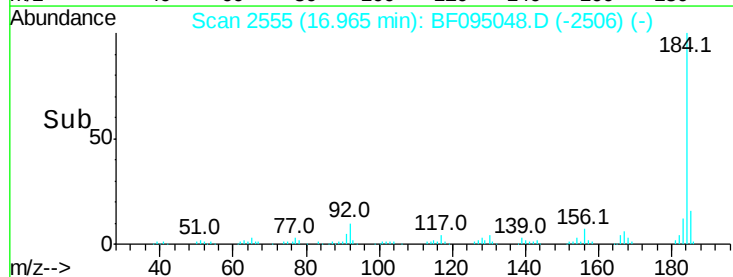
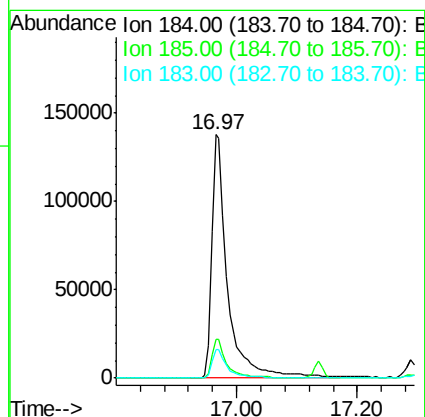
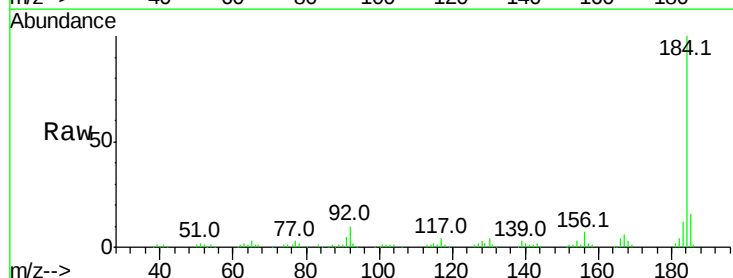
Instrument :  
BNA\_F  
ClientSampleId :

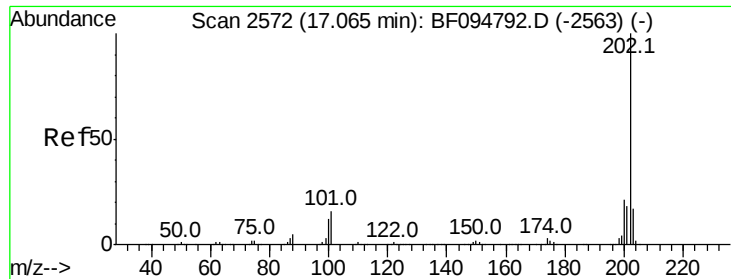
Tot Ion:240 Resp: 249309  
Ion Ratio Lower Upper  
240 100  
120 13.4 5.8 8.8#  
236 25.1 20.5 30.7



#76  
Benzidine  
Concen: 38.83 ng  
RT: 16.97 min Scan# 2555  
Delta R.T. -0.01 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

Tgt Ion:184 Resp: 251980  
Ion Ratio Lower Upper  
184 100  
185 15.7 15.5 23.3  
183 12.0 9.8 14.6





#77

Pvrene

Concen: 40.41 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

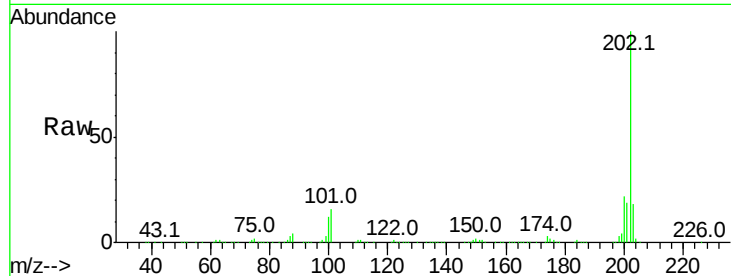
Tot Ion:202 Resp: 753485

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

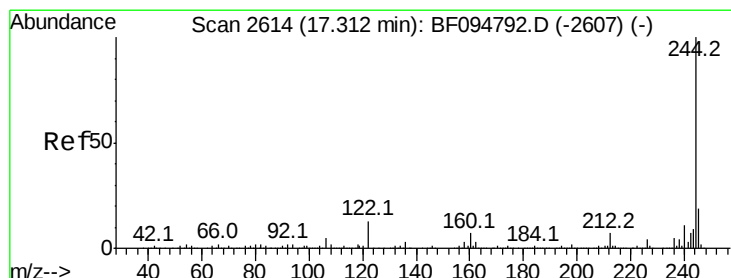
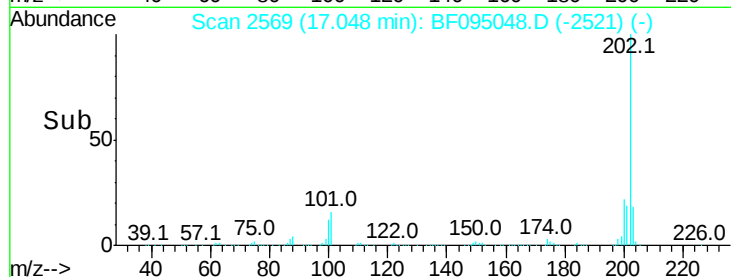
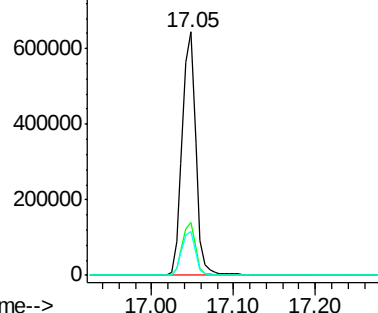
203 17.9 14.4 21.6



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: 74.02 ng

RT: 17.29 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

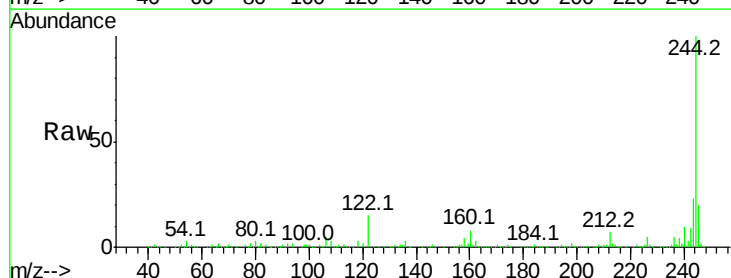
Tgt Ion:244 Resp: 837786

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

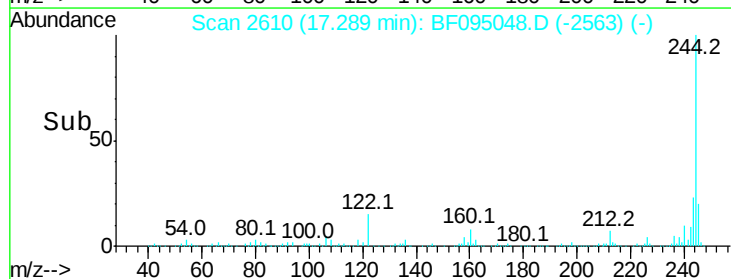
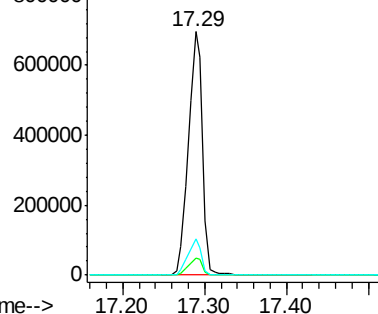
122 14.7 10.3 15.5

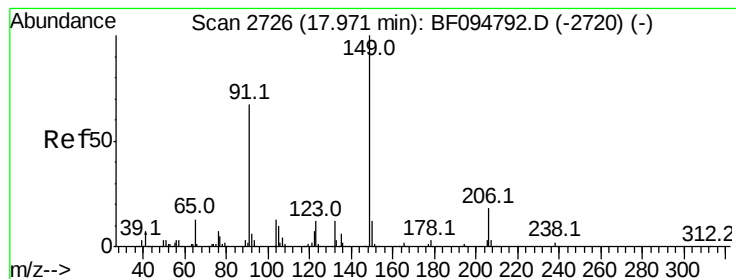


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 37.76 ng

RT: 17.95 min Scan# 2722

Delta R.T. -0.02 min

Lab File: BF095048.D

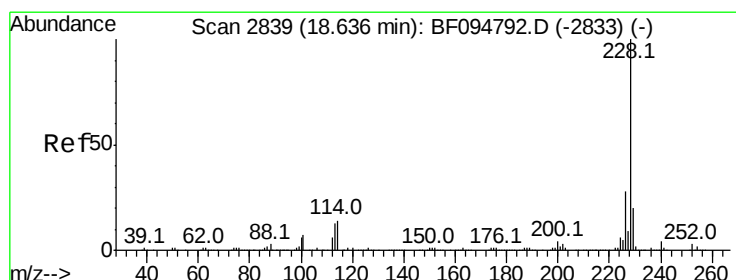
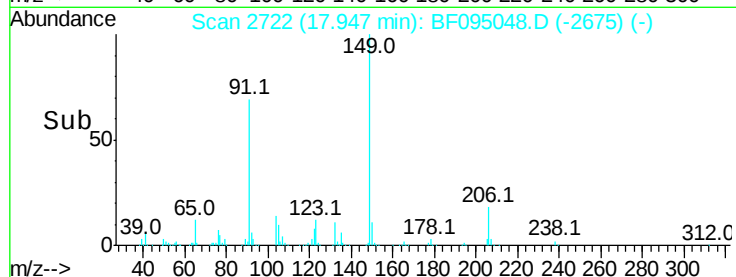
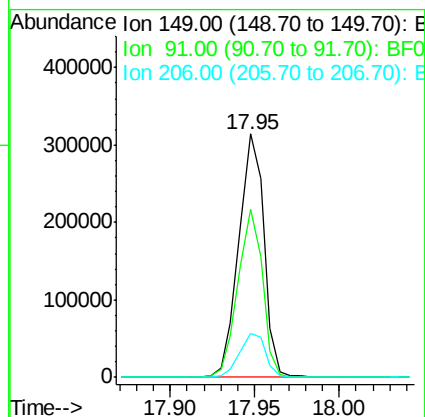
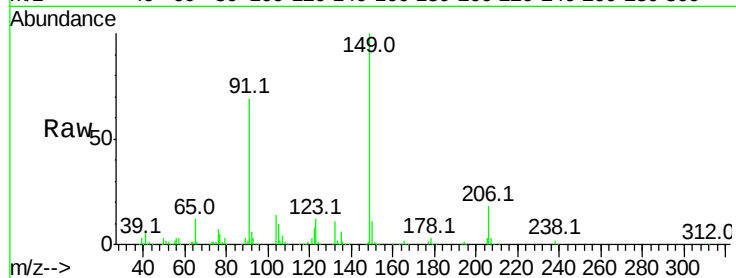
Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 327505 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 69.2  | 45.0  | 67.4#  |
| 206       | 18.0  | 17.0  | 25.6   |



#80

Benzo(a)anthracene

Concen: 39.94 ng

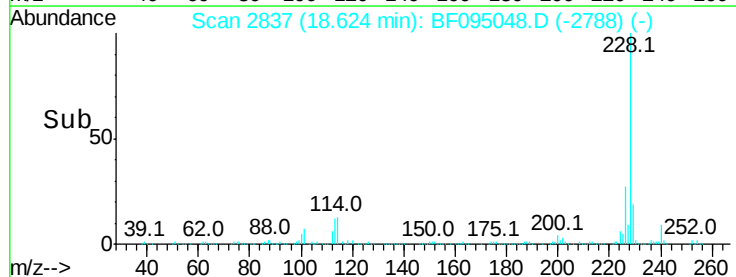
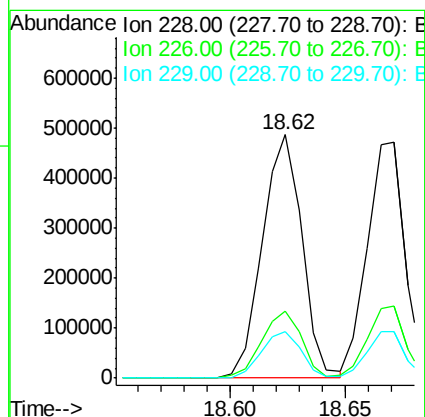
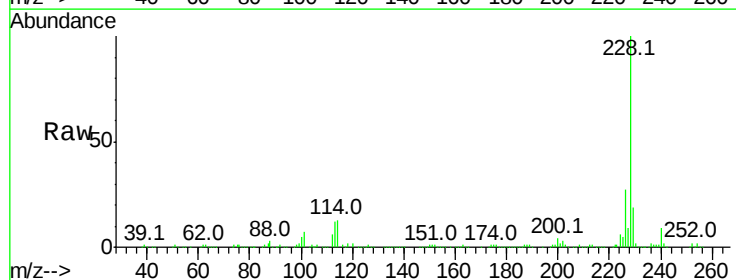
RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 579473 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.4  | 22.6  | 33.8   |
| 229       | 19.3  | 16.3  | 24.5   |

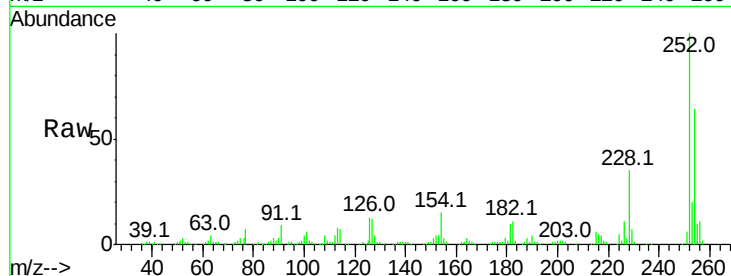




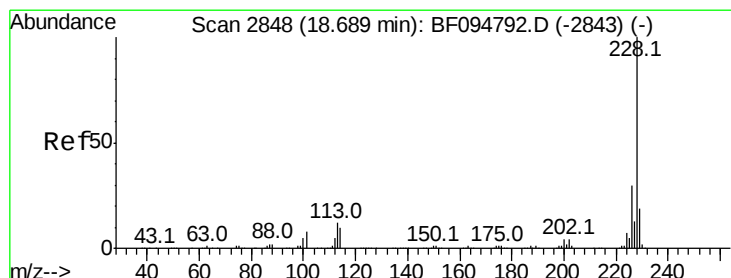
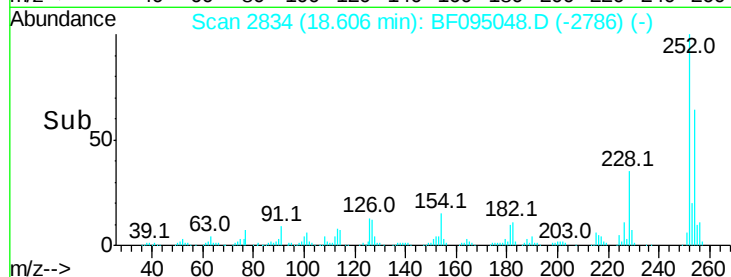
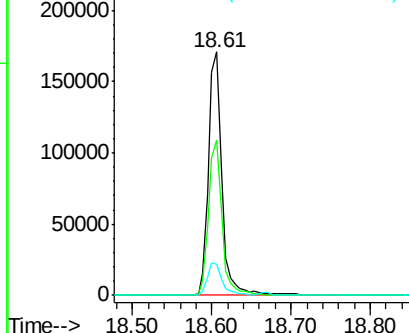
#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.37 ng  
 RT: 18.61 min Scan# 2834  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.6  | 51.5  | 77.3  |
| 126     | 13.0  | 15.8  | 23.8# |

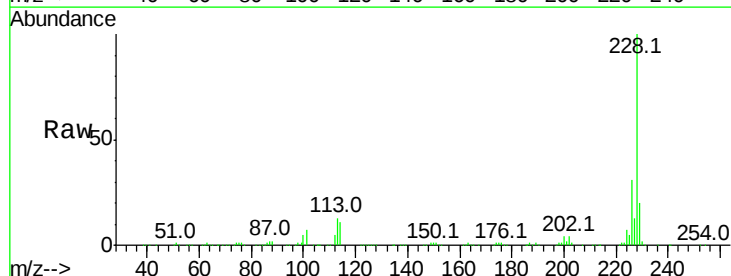


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

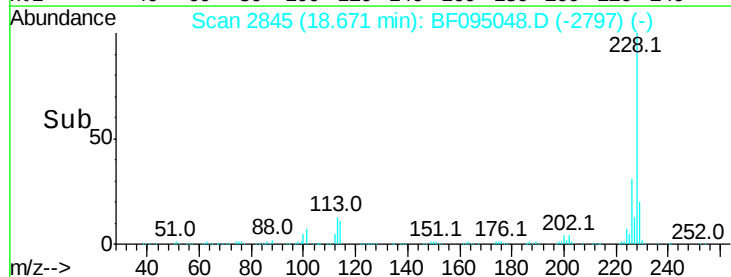
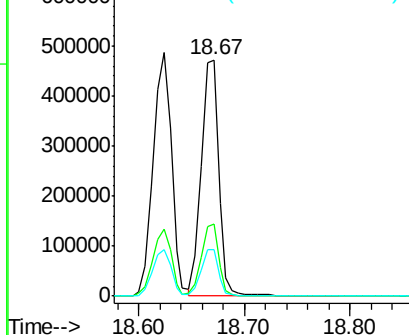


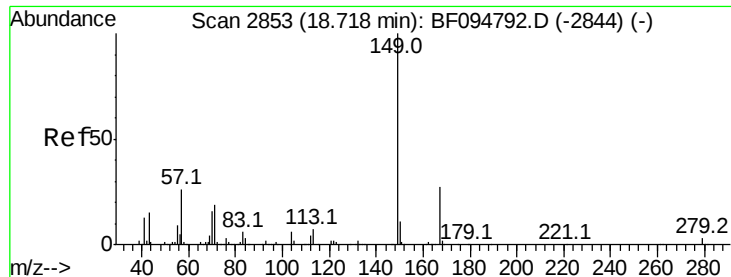
#82  
 Chrysene  
 Concen: 38.75 ng  
 RT: 18.67 min Scan# 2845  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.9  | 37.3  |
| 229     | 19.7  | 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

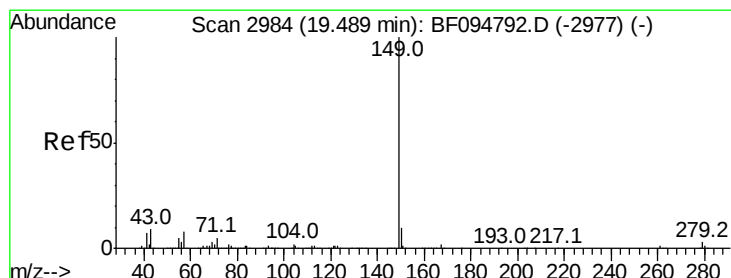
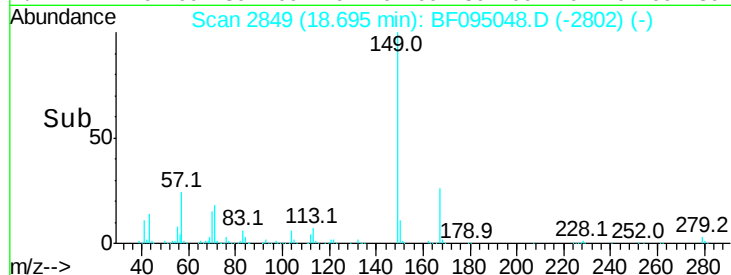
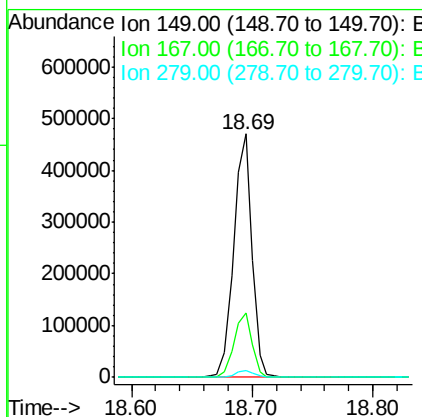
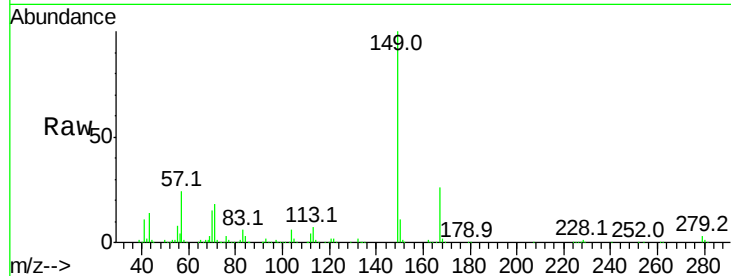




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.21 ng  
 RT: 18.69 min Scan# 2849  
 Delta R.T. -0.02 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

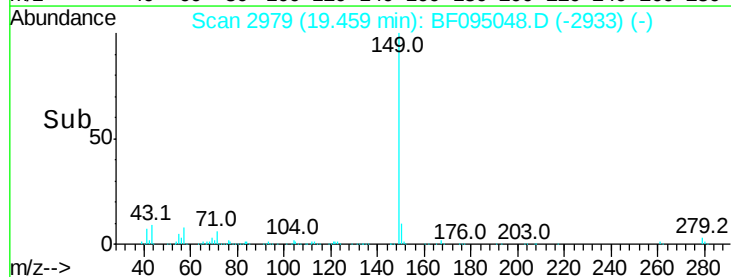
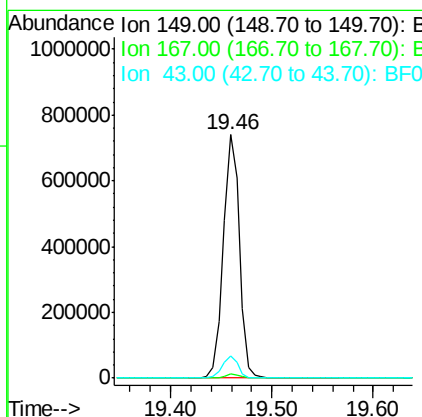
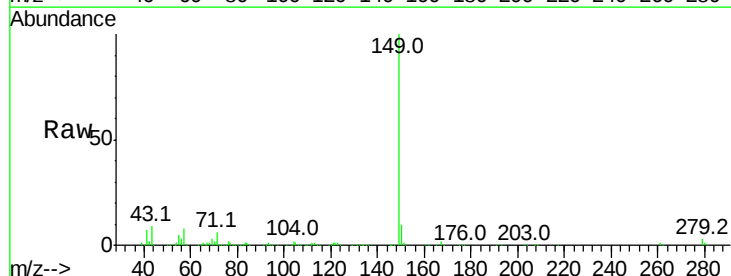
Instrument :  
 BNA\_F  
 ClientSampleId :

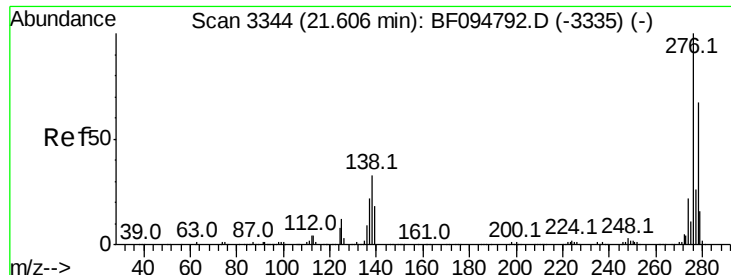
Tot Ion:149 Resp: 496927  
 Ion Ratio Lower Upper  
 149 100  
 167 26.4 21.0 31.4  
 279 3.0 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 40.26 ng  
 RT: 19.46 min Scan# 2979  
 Delta R.T. -0.03 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

Tgt Ion:149 Resp: 815656  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 9.0 8.5 12.7

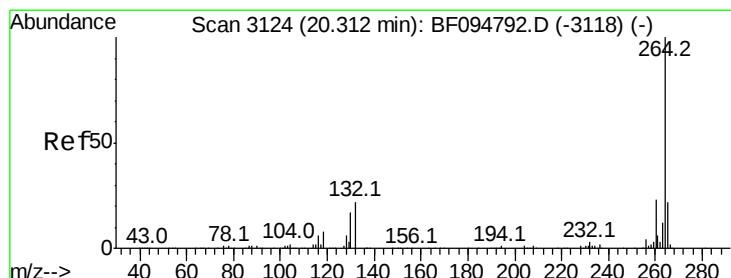
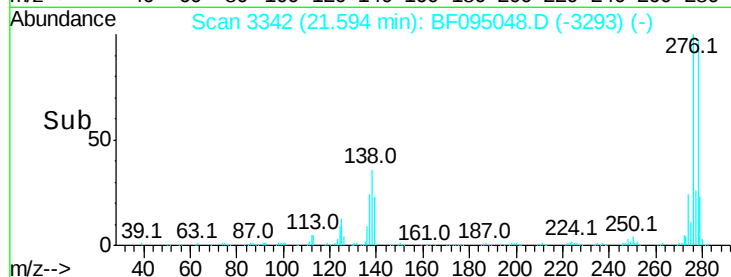
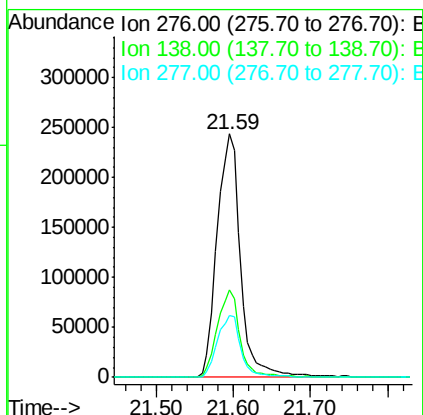
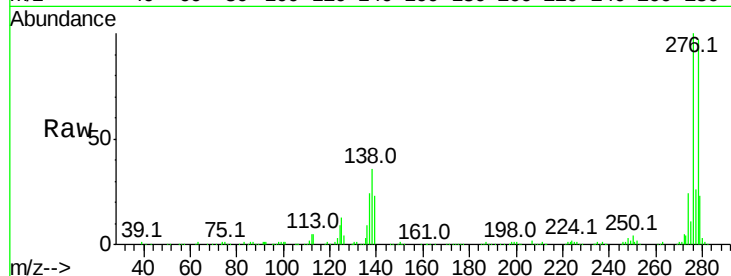




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.00 ng  
 RT: 21.59 min Scan# 3342  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

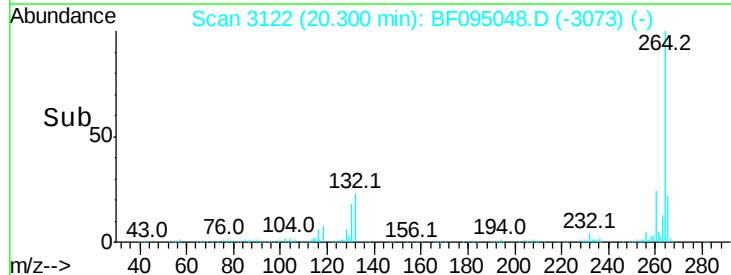
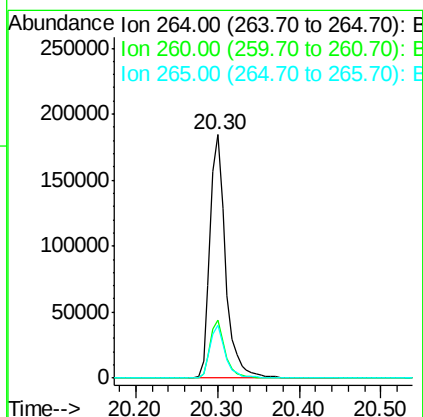
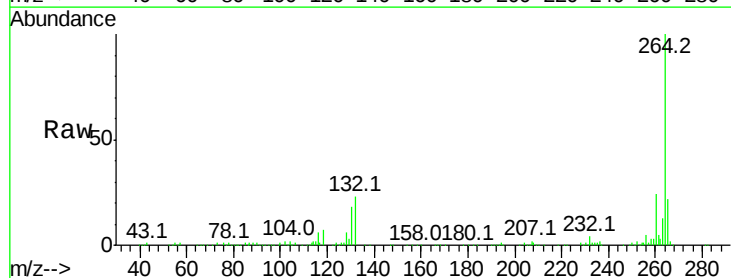
Instrument :  
 BNA\_F  
 ClientSampleId :

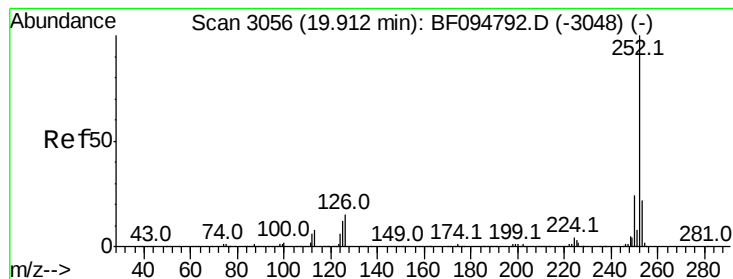
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 35.0  | 27.8  | 41.6  |
| 277     | 25.6  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.30 min Scan# 3122  
 Delta R.T. -0.01 min  
 Lab File: BF095048.D  
 Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.5  | 29.3  |
| 265     | 21.7  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 38.65 ng

RT: 19.89 min Scan# 3053

Delta R.T. -0.02 min

Lab File: BF095048.D

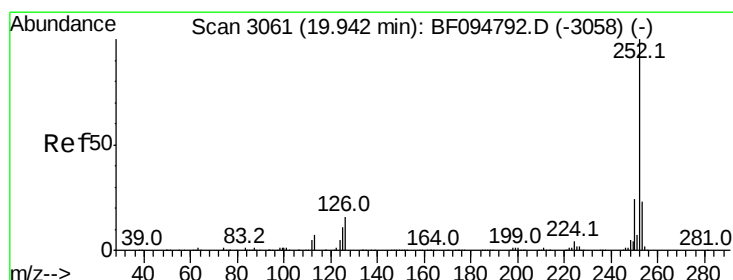
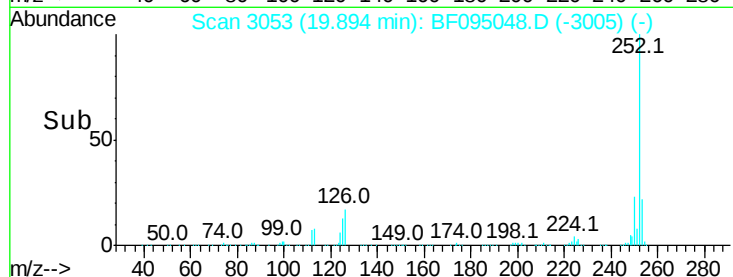
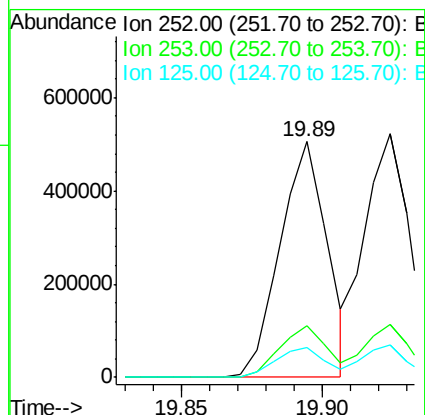
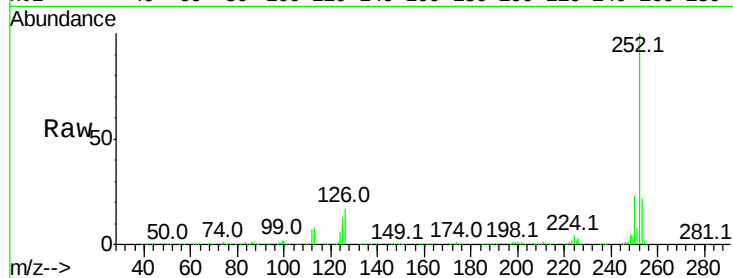
Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 586321 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 18.1  | 27.1   |
| 125       | 12.9  | 9.8   | 14.8   |



#88

Benzo(k)fluoranthene

Concen: 41.27 ng

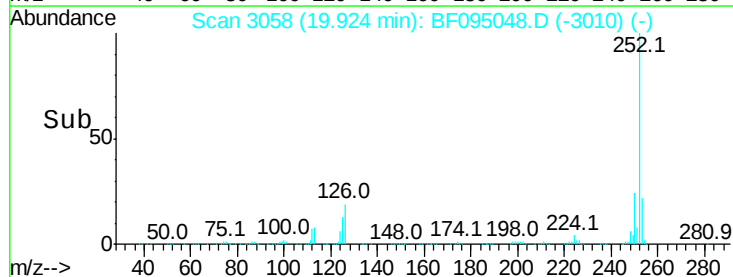
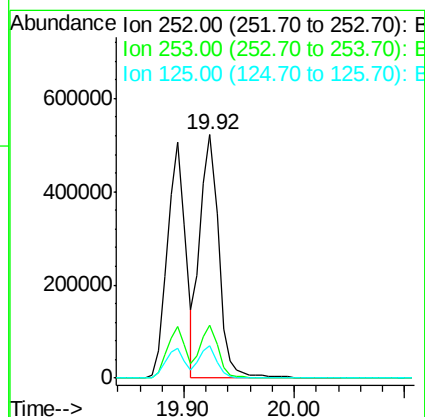
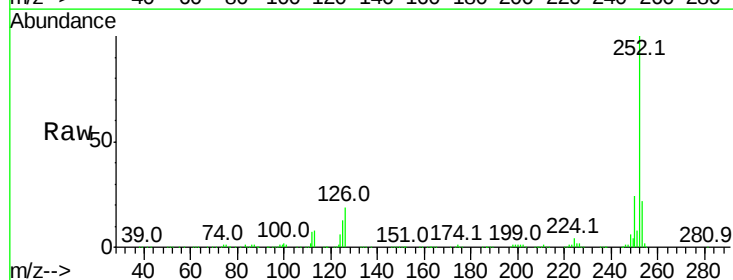
RT: 19.92 min Scan# 3058

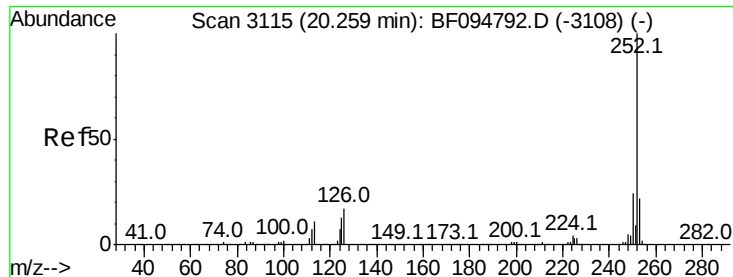
Delta R.T. -0.02 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 603919 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 18.4  | 27.6   |
| 125       | 13.3  | 13.1  | 19.7   |

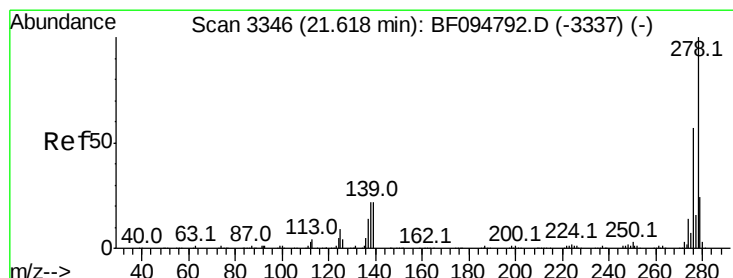
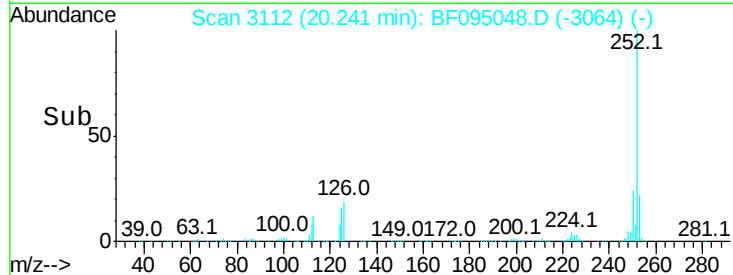
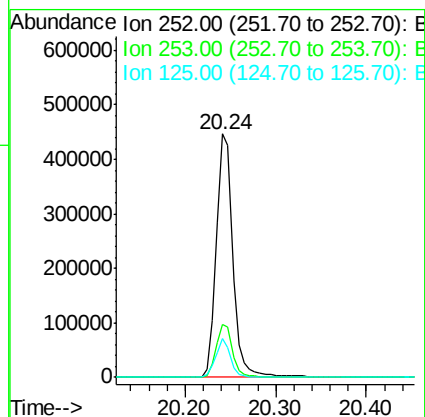
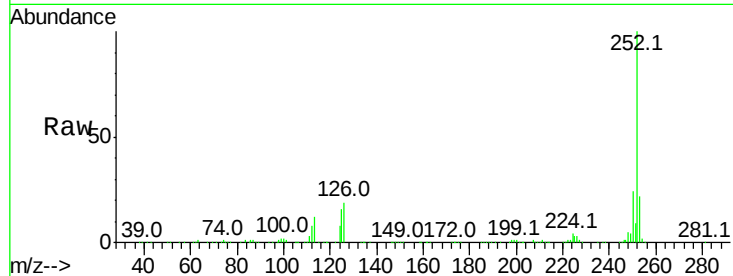




#89  
Benzo(a)pyrene  
Concen: 40.34 ng  
RT: 20.24 min Scan# 3112  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

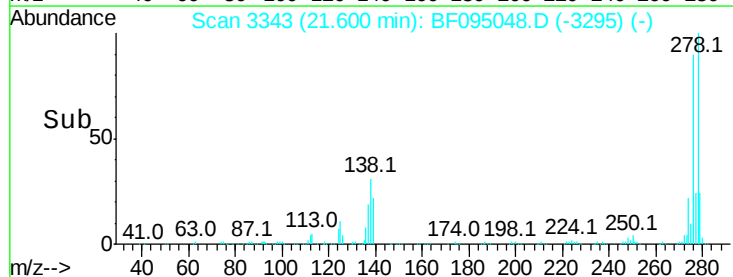
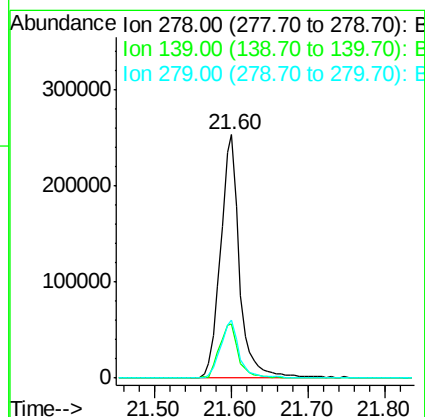
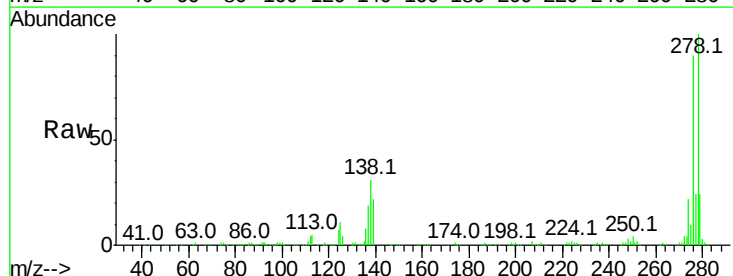
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.5  | 26.3  |
| 125     | 15.8  | 11.0  | 16.4  |



#90  
Dibenzo(a,h)anthracene  
Concen: 37.54 ng  
RT: 21.60 min Scan# 3343  
Delta R.T. -0.02 min  
Lab File: BF095048.D  
Acq: 10 May 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.3  | 16.6  | 24.8  |
| 279     | 23.7  | 19.3  | 28.9  |





#91

Benzo(a,h,i)perylene

Concen: 37.33 ng

RT: 21.96 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF095048.D

Acq: 10 May 2017 6:16

Instrument :

BNA\_F

ClientSampleId :

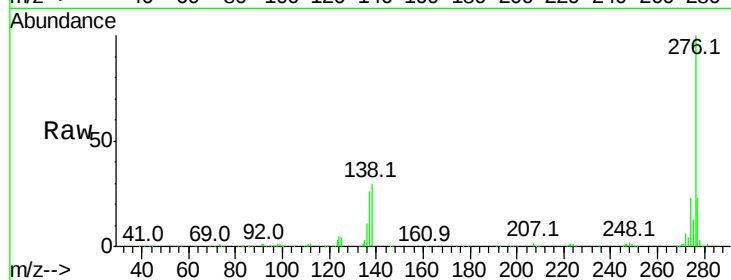
Tot Ion: 276 Resp: 423526

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 30.3 25.4 38.0



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

