

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\  
 Data File : BF095180.D  
 Acq On : 17 May 2017 4:33  
 Operator : SJ/MA  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 17 06:02:20 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 | 7.77  | 152  | 106418   | 20.00 | ng    | 0.04     |
| 21) Naphthalene-d8        | 9.79  | 136  | 412918   | 20.00 | ng    | 0.04     |
| 38) Acenaphthene-d10      | 12.62 | 164  | 186096   | 20.00 | ng    | 0.04     |
| 63) Phenanthrene-d10      | 15.02 | 188  | 286049   | 20.00 | ng    | 0.04     |
| 75) Chrysene-d12          | 18.69 | 240  | 247029   | 20.00 | ng    | 0.04     |
| 86) Perylene-d12          | 20.36 | 264  | 187254   | 20.00 | ng    | 0.05     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.74  | 112 | 604196  | 94.66 | ng | 0.06 |
| 7) Phenol-d6             | 7.32  | 99  | 613432  | 80.10 | ng | 0.04 |
| 23) Nitrobenzene-d5      | 8.68  | 82  | 533850  | 81.53 | ng | 0.05 |
| 41) 2,4,6-Tribromophenol | 13.92 | 330 | 111923  | 73.44 | ng | 0.04 |
| 44) 2-Fluorobiphenyl     | 11.57 | 172 | 1102233 | 85.25 | ng | 0.04 |
| 78) Terphenyl-d14        | 17.34 | 244 | 866963  | 77.30 | ng | 0.03 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.22  | 88  | 133722 | 42.72 | ng | 95     |
| 3) Pyridine                    | 2.91  | 79  | 288844 | 39.81 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.84  | 42  | 120662 | 39.90 | ng | # 71   |
| 6) Aniline                     | 7.28  | 93  | 387519 | 40.08 | ng | 94     |
| 8) 2-Chlorophenol              | 7.47  | 128 | 291681 | 40.15 | ng | 97     |
| 9) Benzaldehyde                | 7.10  | 77  | 177667 | 37.99 | ng | 98     |
| 10) Phenol                     | 7.34  | 94  | 300825 | 37.27 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 263443 | 39.54 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.68  | 146 | 329399 | 39.97 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 7.80  | 146 | 334605 | 40.04 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 317604 | 40.71 | ng | 96     |
| 15) Benzyl Alcohol             | 8.06  | 79  | 205021 | 41.62 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 365749 | 38.79 | ng | 66     |
| 17) 2-Methylphenol             | 8.27  | 107 | 238834 | 40.17 | ng | 97     |
| 18) Hexachloroethane           | 8.55  | 117 | 94503  | 33.38 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.48  | 70  | 204568 | 39.49 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.53  | 107 | 317337 | 39.28 | ng | # 61   |
| 22) Acetophenone               | 8.45  | 105 | 406176 | 41.00 | ng | # 84   |
| 24) Nitrobenzene               | 8.71  | 77  | 271431 | 39.55 | ng | 94     |
| 25) Isophorone                 | 9.11  | 82  | 472517 | 40.41 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.21  | 139 | 136948 | 36.98 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.35  | 122 | 246140 | 41.11 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.47  | 93  | 336190 | 41.56 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 9.63  | 162 | 229318 | 40.56 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 9.72  | 180 | 246494 | 40.69 | ng | 99     |
| 31) Naphthalene                | 9.82  | 128 | 836788 | 40.32 | ng | 99     |
| 32) Benzoic acid               | 9.65  | 122 | 92712  | 26.17 | ng | 93     |
| 33) 4-Chloroaniline            | 9.96  | 127 | 325620 | 42.10 | ng | # 93   |
| 34) Hexachlorobutadiene        | 10.04 | 225 | 131098 | 41.02 | ng | 98     |
| 35) Caprolactam                | 10.59 | 113 | 58645  | 34.54 | ng | # 85   |
| 36) 4-Chloro-3-methylphenol    | 10.82 | 107 | 265578 | 43.93 | ng | 92     |
| 37) 2-Methylnaphthalene        | 10.95 | 142 | 599410 | 44.01 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.23 | 216 | 248498 | 43.42 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.20 | 237 | 13502  | 11.24 | ng | 97     |

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 Operator : SJ/MA  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

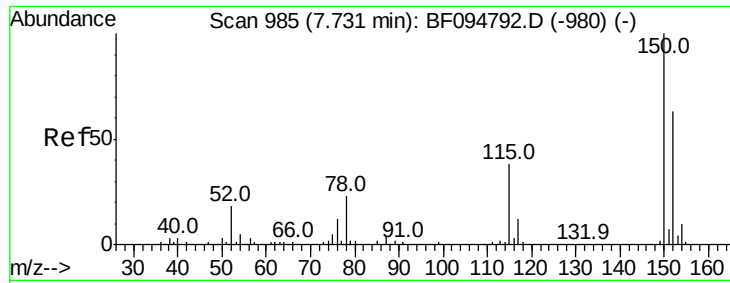
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 17 06:02:20 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      | 11.45 | 196  | 163550   | 42.80  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 11.54 | 196  | 154925   | 37.72  | nq    | # 92     |
| 45) 1,1'-Biphenyl              | 11.72 | 154  | 693009   | 44.23  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.74 | 162  | 538377   | 42.55  | nq    | 95       |
| 47) 2-Nitroaniline             | 11.95 | 65   | 152128   | 43.93  | nq    | # 76     |
| 48) Acenaphthylene             | 12.39 | 152  | 808190   | 40.78  | nq    | 99       |
| 49) Dimethylphthalate          | 12.27 | 163  | 647131   | 42.36  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.36 | 165  | 124780   | 40.03  | nq    | 95       |
| 51) Acenaphthene               | 12.68 | 154  | 473581   | 40.01  | nq    | 99       |
| 52) 3-Nitroaniline             | 12.64 | 138  | 137077   | 40.98  | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 12.88 | 184  | 1778     | 7.20   | nq    | # 59     |
| 54) Dibenzofuran               | 12.97 | 168  | 655377   | 40.01  | nq    | 96       |
| 55) 4-Nitrophenol              | 12.97 | 139  | 238826   | 118.86 | nq    | # 27     |
| 56) 2,4-Dinitrotoluene         | 13.03 | 165  | 142927   | 35.69  | nq    | 95       |
| 57) Fluorene                   | 13.52 | 166  | 529863   | 37.20  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.21 | 232  | 93267    | 36.08  | nq    | # 97     |
| 59) Diethylphthalate           | 13.41 | 149  | 619931   | 42.34  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 13.54 | 204  | 255086   | 40.75  | nq    | 91       |
| 61) 4-Nitroaniline             | 13.63 | 138  | 100800   | 32.82  | nq    | 92       |
| 62) Azobenzene                 | 13.80 | 77   | 458790   | 38.99  | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 13.71 | 198  | 13362    | 6.97   | nq    | # 79     |
| 65) n-Nitrosodiphenylamine     | 13.75 | 169  | 465034   | 44.79  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.33 | 248  | 131834   | 43.62  | nq    | 98       |
| 67) Hexachlorobenzene          | 14.42 | 284  | 126835   | 40.95  | nq    | # 91     |
| 68) Atrazine                   | 14.67 | 200  | 114846   | 39.18  | nq    | 97       |
| 69) Pentachlorophenol          | 14.78 | 266  | 43816    | 34.86  | nq    | 96       |
| 70) Phenanthrene               | 15.07 | 178  | 659648   | 40.14  | nq    | 98       |
| 71) Anthracene                 | 15.15 | 178  | 681929   | 40.62  | nq    | 97       |
| 72) Carbazole                  | 15.43 | 167  | 594371   | 38.91  | nq    | 96       |
| 73) Di-n-butylphthalate        | 15.99 | 149  | 870109   | 45.68  | nq    | 99       |
| 74) Fluoranthene               | 16.81 | 202  | 692663   | 41.08  | nq    | 98       |
| 76) Benzidine                  | 17.03 | 184  | 221206   | 35.15  | nq    | # 92     |
| 77) Pyrene                     | 17.11 | 202  | 723316   | 39.15  | nq    | 99       |
| 79) Butylbenzylphthalate       | 18.00 | 149  | 340709   | 39.65  | nq    | # 83     |
| 80) Benzo(a)anthracene         | 18.68 | 228  | 531969   | 37.00  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 18.66 | 252  | 200633   | 40.41  | nq    | # 97     |
| 82) Chrysene                   | 18.73 | 228  | 566691   | 40.76  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.75 | 149  | 499827   | 40.82  | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 19.51 | 149  | 865420   | 43.11  | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.70 | 276  | 380894   | 33.74  | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 19.96 | 252  | 467049   | 40.36  | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 19.99 | 252  | 504365   | 45.19  | nq    | # 95     |
| 89) Benzo(a)pyrene             | 20.31 | 252  | 422331   | 39.56  | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 21.70 | 278  | 329803   | 37.40  | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 22.08 | 276  | 337342   | 38.98  | nq    | 98       |

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



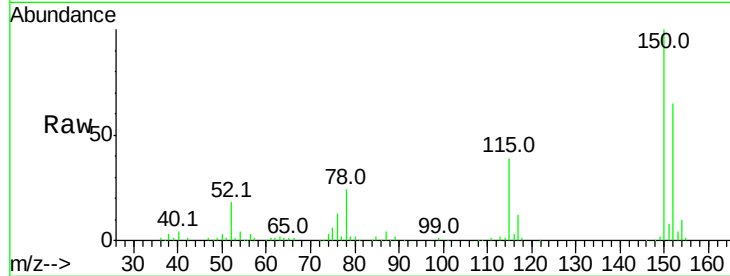


#1

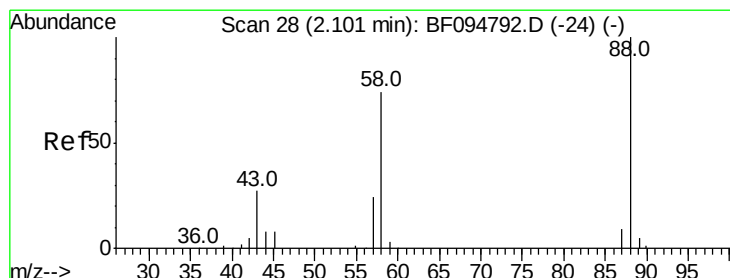
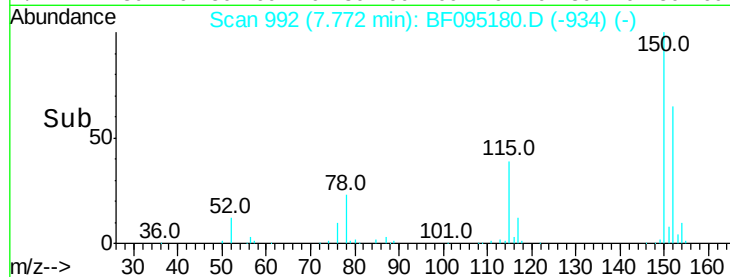
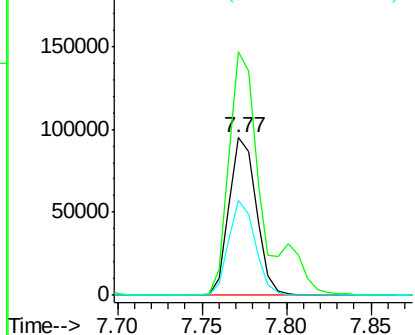
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 992  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 106418  
Ion Ratio Lower Upper  
152 100  
150 154.4 126.2 189.2  
115 60.0 52.2 78.2



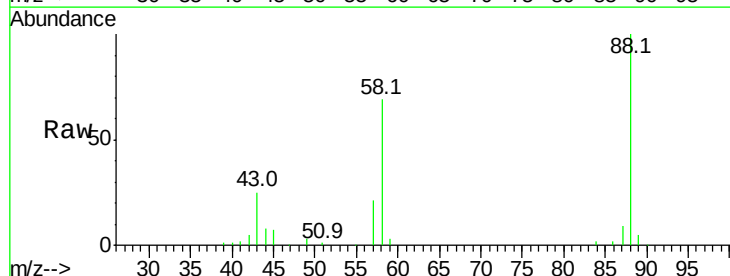
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



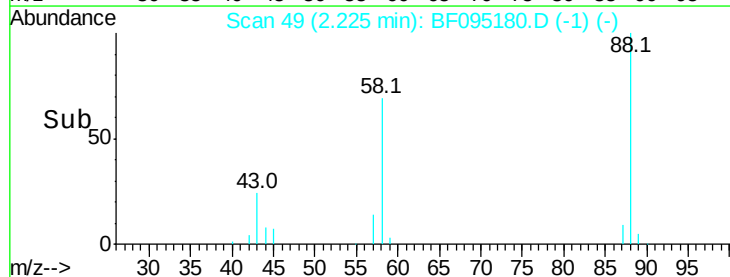
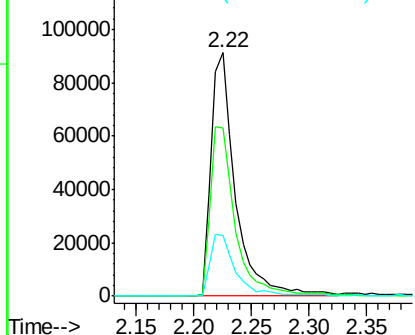
#2

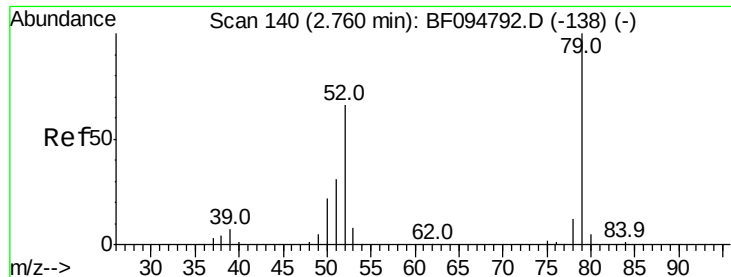
1,4-Dioxane  
Concen: 42.72 ng  
RT: 2.22 min Scan# 49  
Delta R.T. 0.12 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion: 88 Resp: 133722  
Ion Ratio Lower Upper  
88 100  
58 71.7 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: 39.81 ng

RT: 2.91 min Scan# 166

Delta R.T. 0.15 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

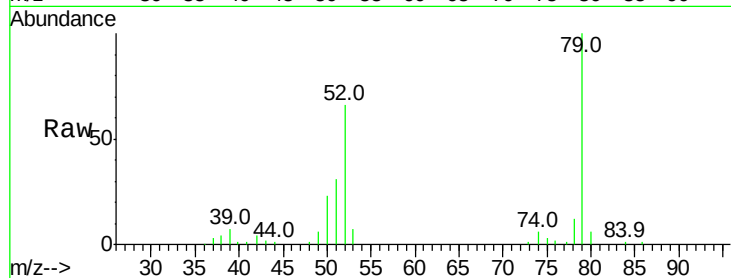
Tot Ion: 79 Resp: 288844

Ion Ratio Lower Upper

79 100

52 66.4 54.8 82.2

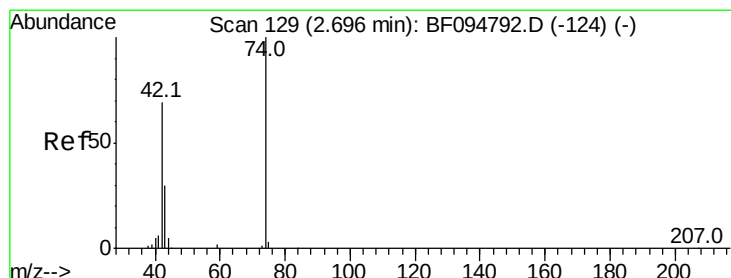
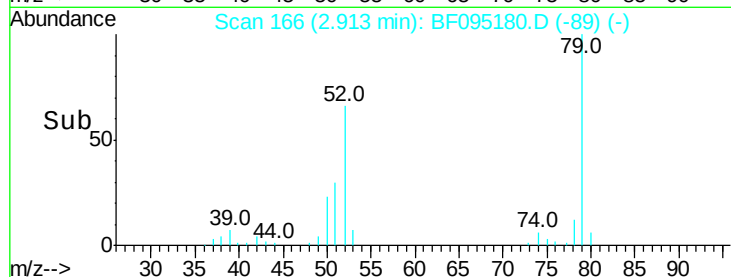
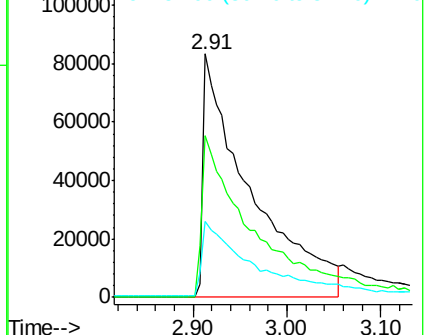
51 31.1 27.0 40.4



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: 39.90 ng

RT: 2.84 min Scan# 154

Delta R.T. 0.15 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

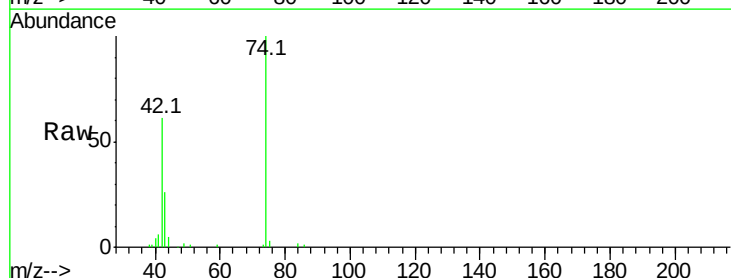
Tgt Ion: 42 Resp: 120662

Ion Ratio Lower Upper

42 100

74 165.1 103.9 155.9#

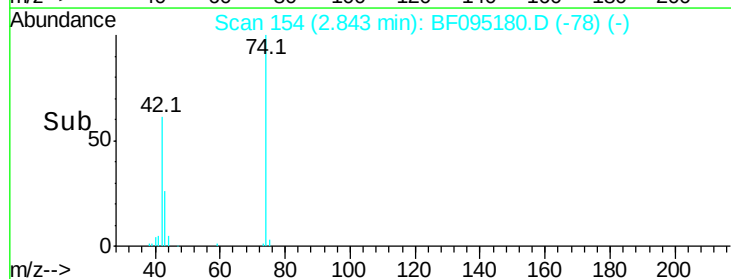
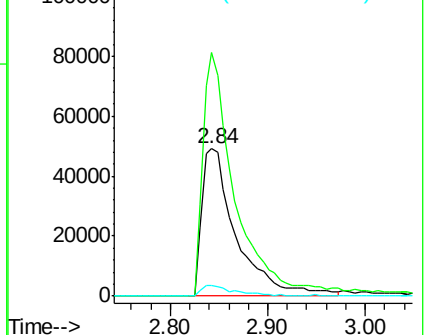
44 7.6 5.7 8.5

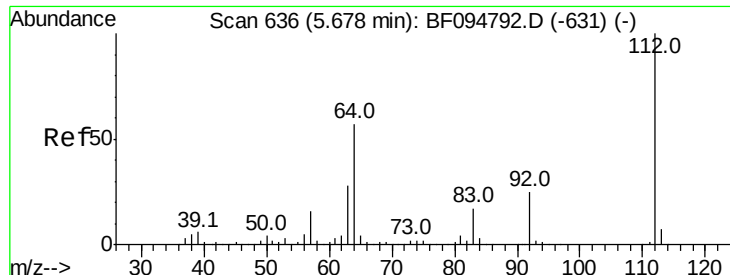


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 94.66 ng

RT: 5.74 min Scan# 646

Delta R.T. 0.06 min

Lab File: BF095180.D

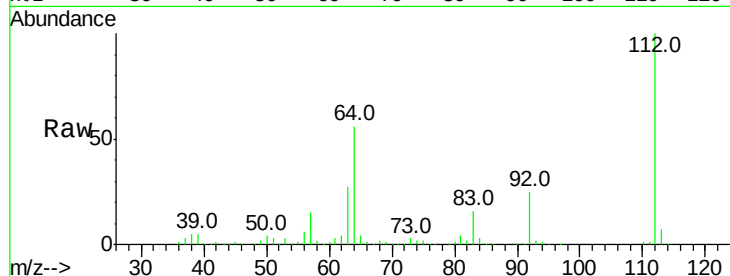
Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampled :

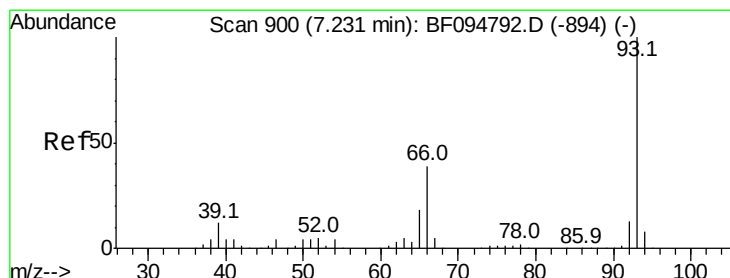
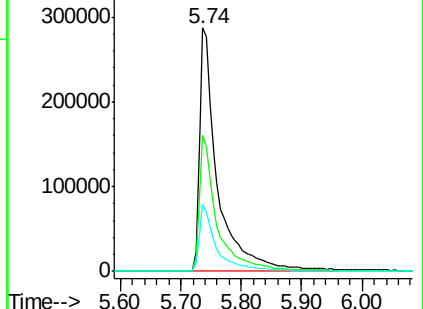
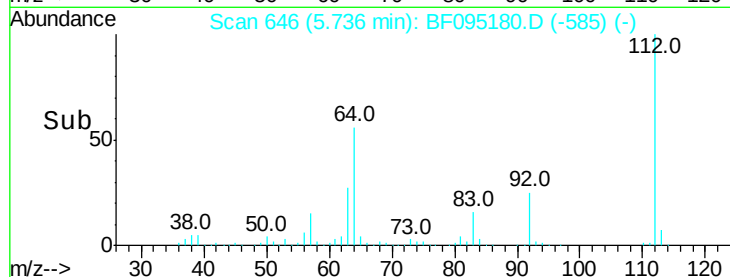
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 604196 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 56.1  | 46.0  | 69.0   |
| 63       | 27.3  | 23.4  | 35.0   |



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: 40.08 ng

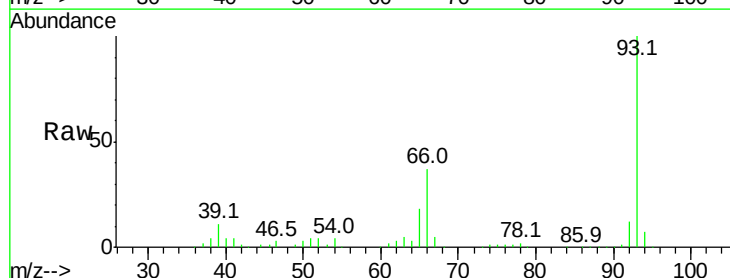
RT: 7.28 min Scan# 909

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

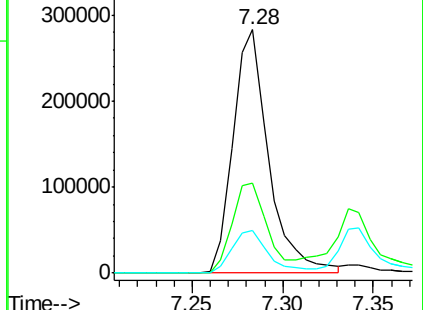
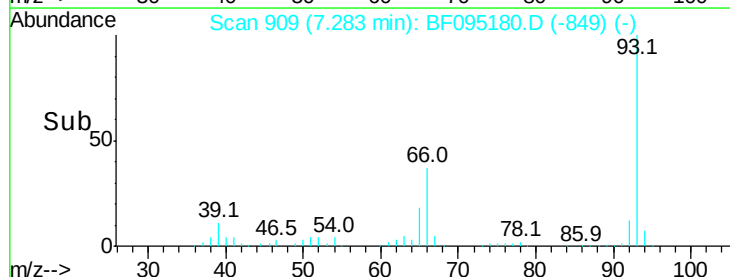
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 387519 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 37.1  | 32.9  | 49.3   |
| 65       | 17.7  | 16.0  | 24.0   |

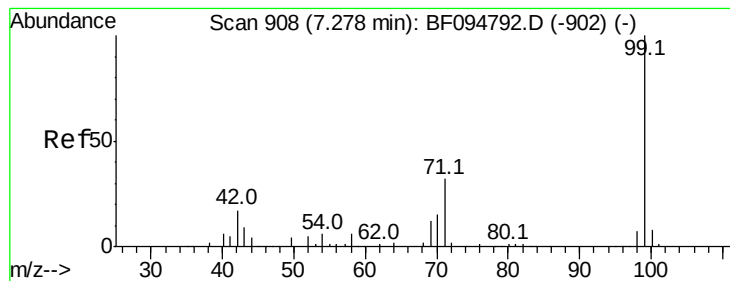


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 80.10 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampled :

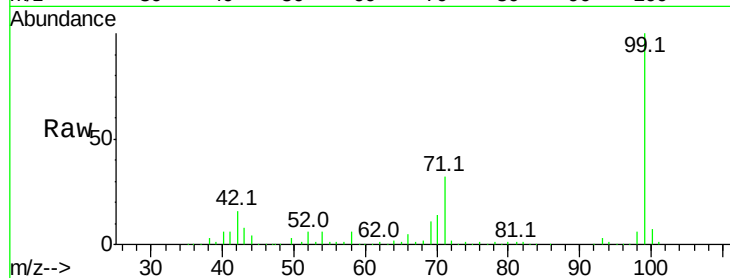
Tot Ion: 99 Resp: 613432

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

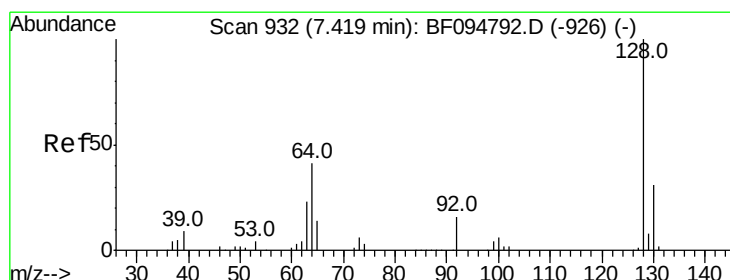
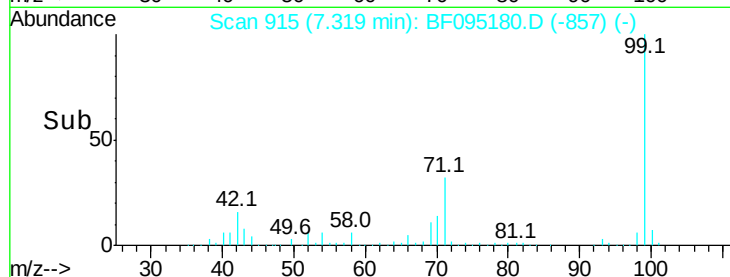
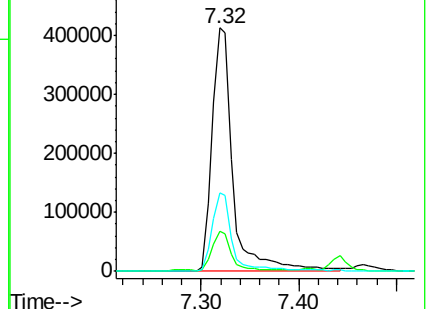
71 32.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.15 ng

RT: 7.47 min Scan# 940

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

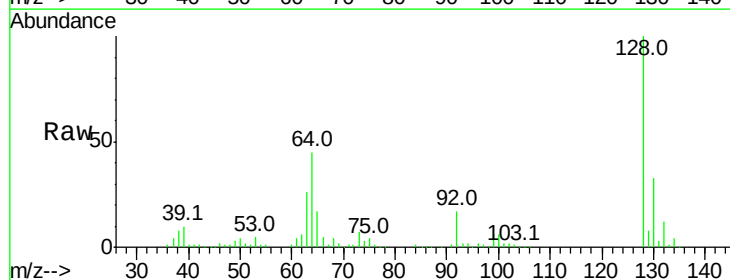
Tgt Ion: 128 Resp: 291681

Ion Ratio Lower Upper

128 100

130 32.8 12.9 52.9

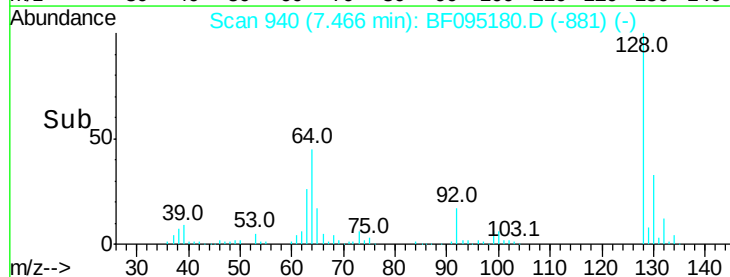
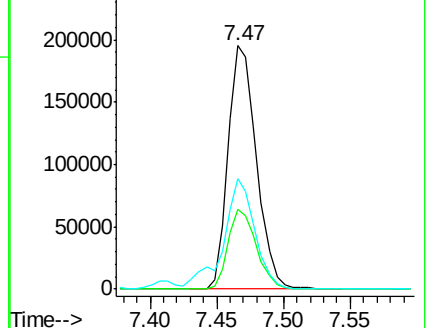
64 45.5 28.4 68.4



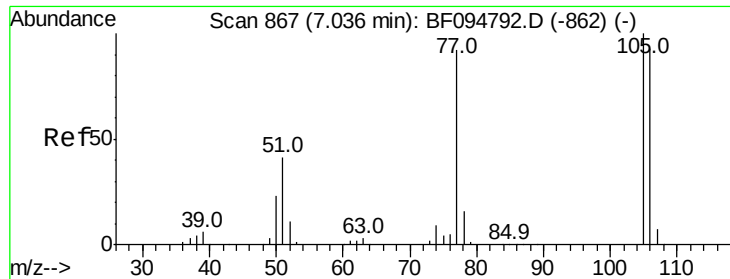
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



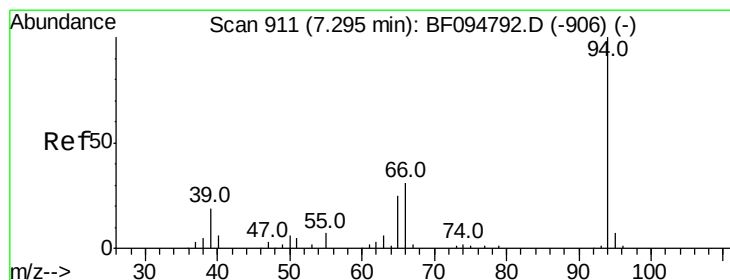
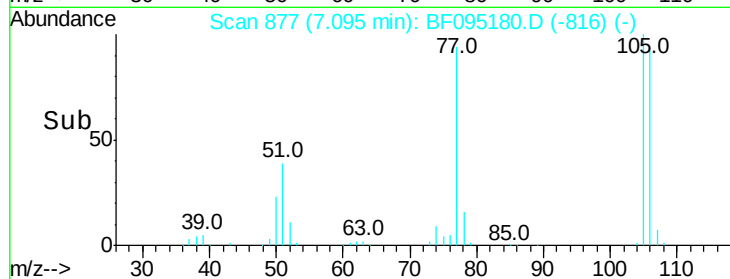
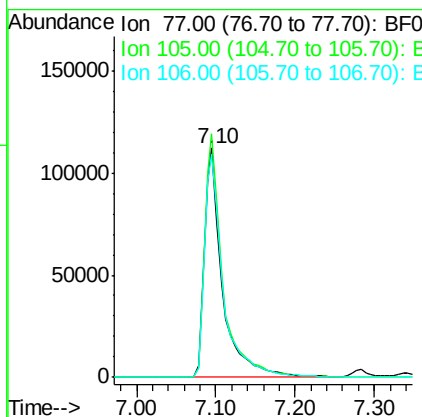
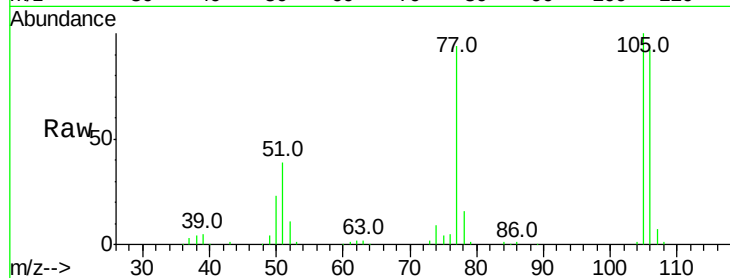




#9  
Benzaldehyde  
Concen: 37.99 ng  
RT: 7.10 min Scan# 877  
Delta R.T. 0.06 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

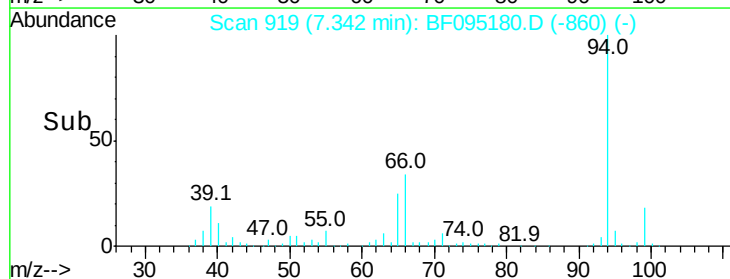
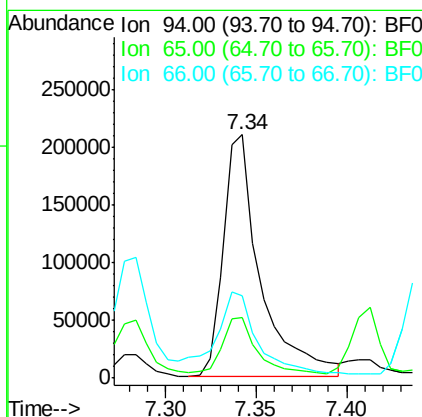
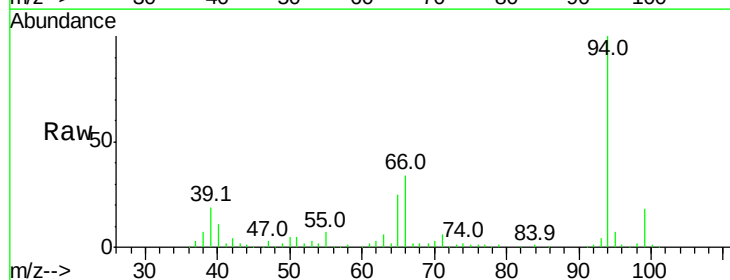
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 177667  
Ion Ratio Lower Upper  
77 100  
105 106.1 83.8 123.8  
106 97.3 79.1 119.1

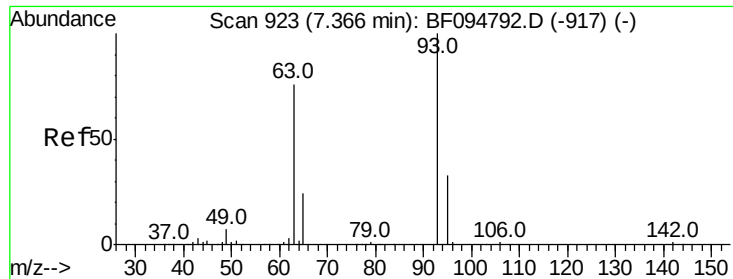


#10  
Phenol  
Concen: 37.27 ng  
RT: 7.34 min Scan# 919  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion: 94 Resp: 300825  
Ion Ratio Lower Upper  
94 100  
65 24.7 9.9 49.9  
66 33.7 23.1 63.1







#11

bis(2-Chloroethyl)ether

Concen: 39.54 ng

RT: 7.41 min Scan# 931

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

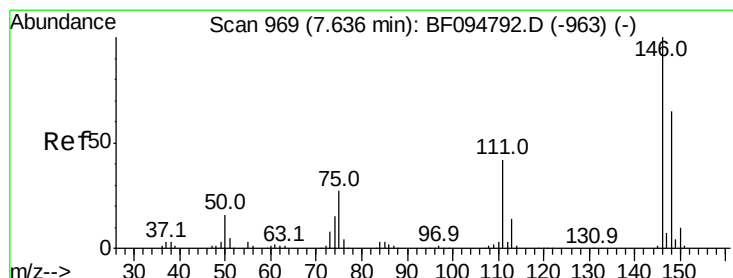
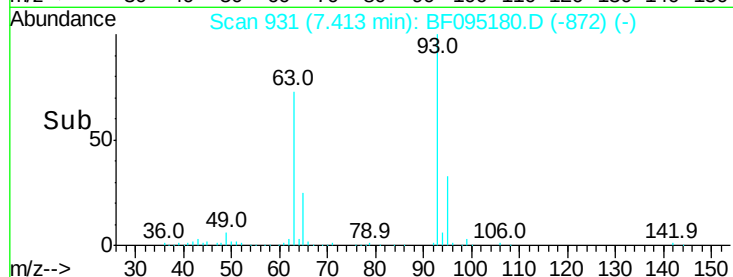
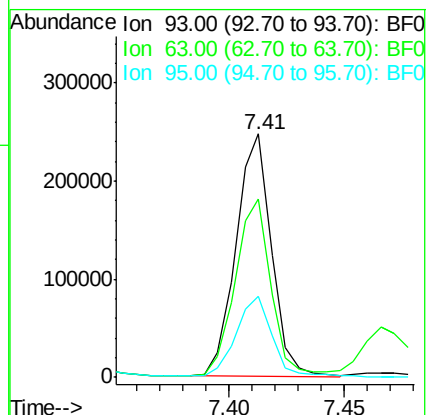
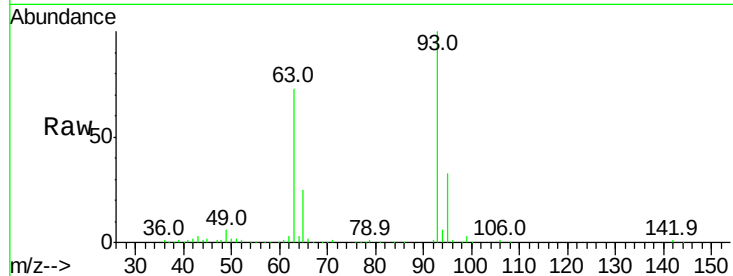
Tot Ion: 93 Resp: 263443

Ion Ratio Lower Upper

93 100

63 73.1 59.2 99.2

95 33.4 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 39.97 ng

RT: 7.68 min Scan# 976

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

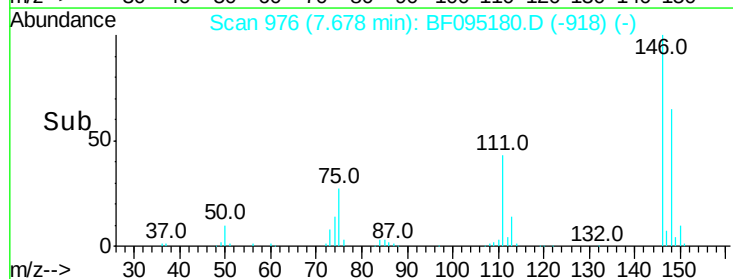
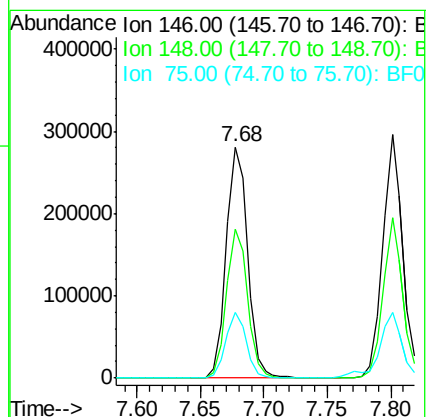
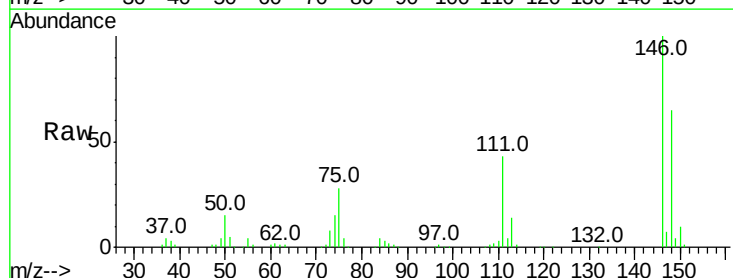
Tgt Ion: 146 Resp: 329399

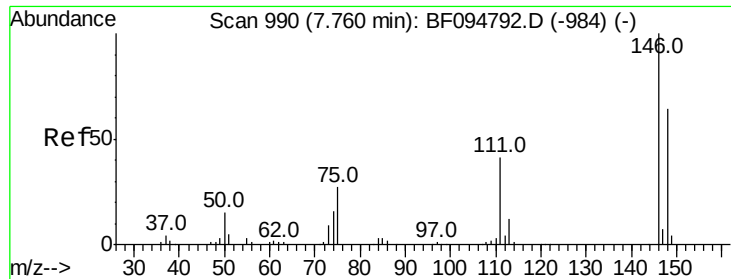
Ion Ratio Lower Upper

146 100

148 64.6 51.8 77.6

75 28.3 23.1 34.7

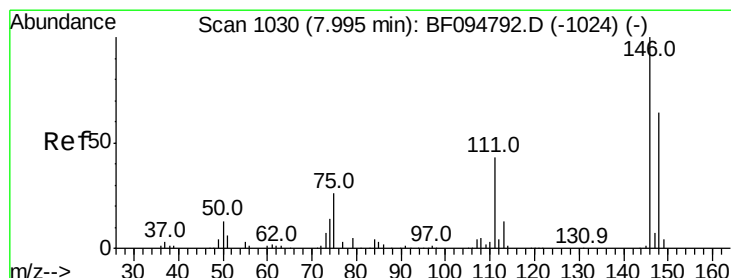
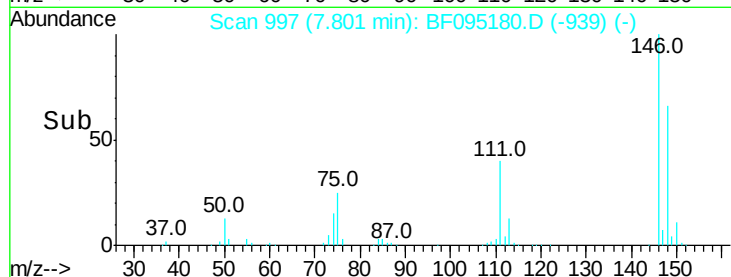
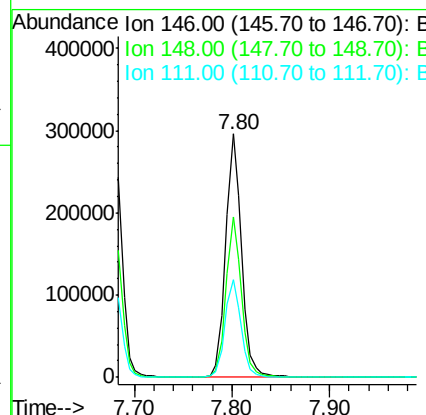
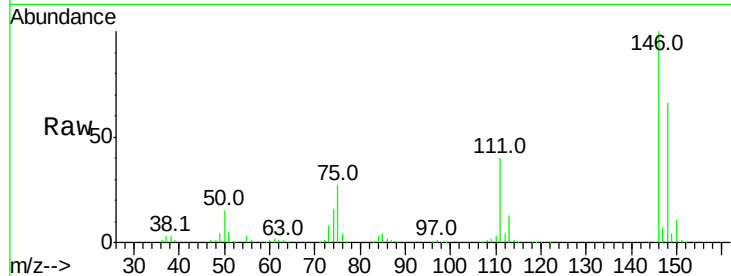




#13  
 1,4-Dichlorobenzene  
 Concen: 40.04 ng  
 RT: 7.80 min Scan# 997  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

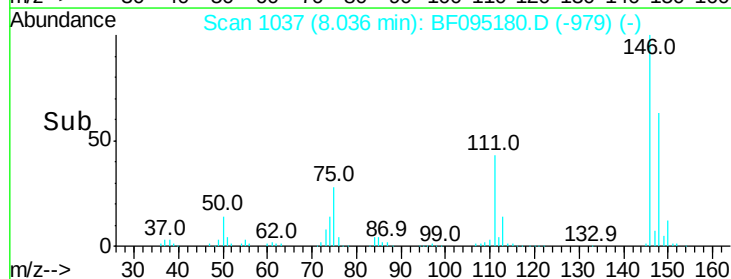
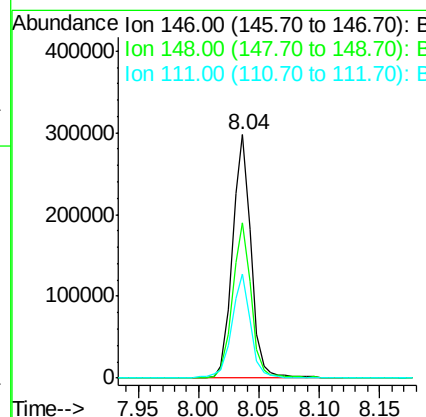
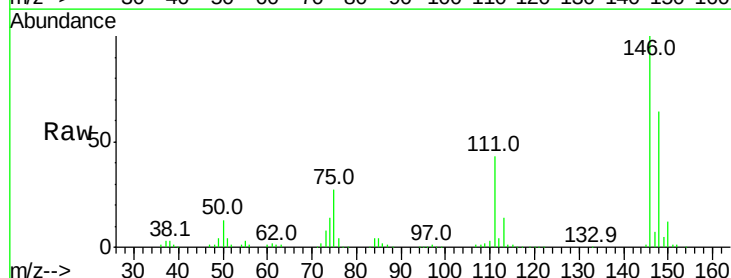
Instrument :  
 BNA\_F  
 ClientSampleId :

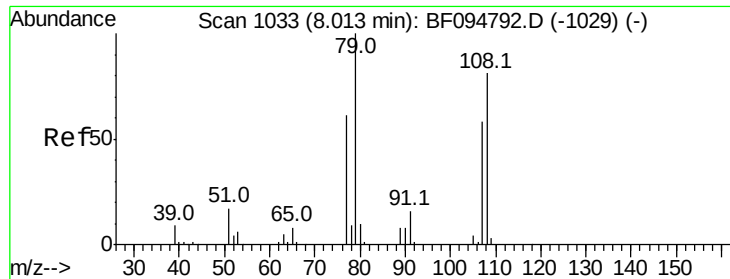
Tot Ion:146 Resp: 334605  
 Ion Ratio Lower Upper  
 146 100  
 148 65.6 52.2 78.2  
 111 40.3 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 40.71 ng  
 RT: 8.04 min Scan# 1037  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:146 Resp: 317604  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 50.4 75.6  
 111 42.5 38.2 57.4

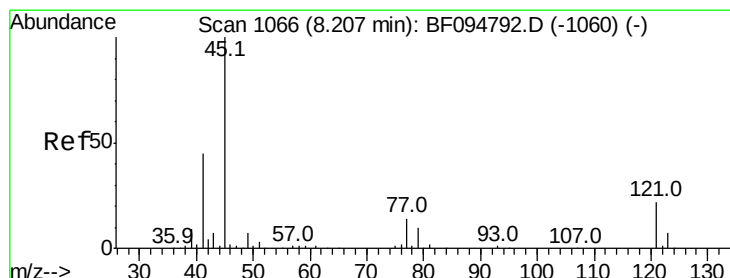
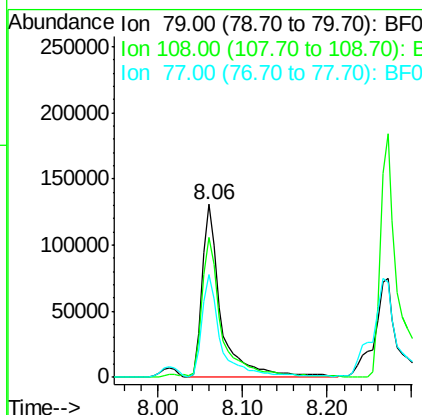
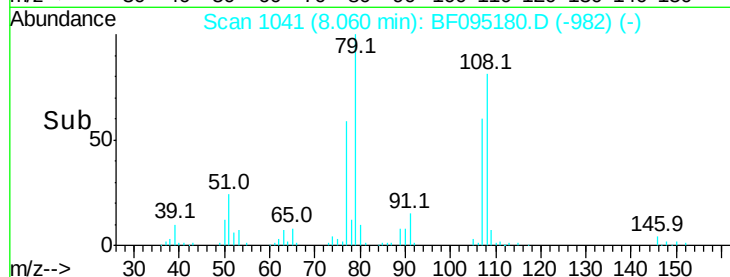
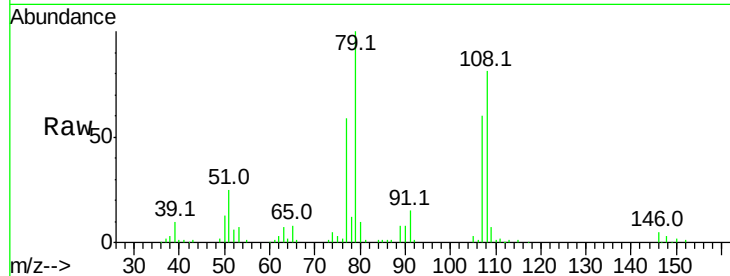




#15  
Benzyl Alcohol  
Concen: 41.62 ng  
RT: 8.06 min Scan# 1041  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

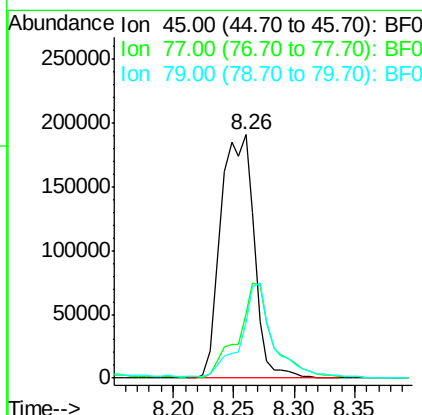
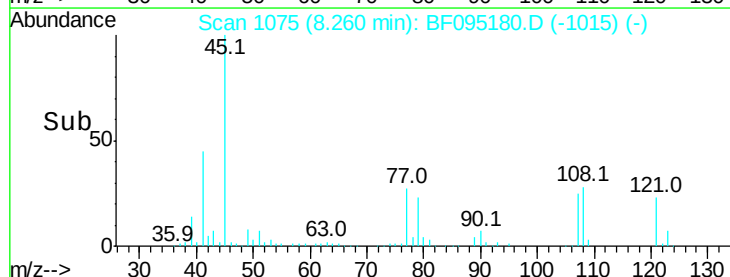
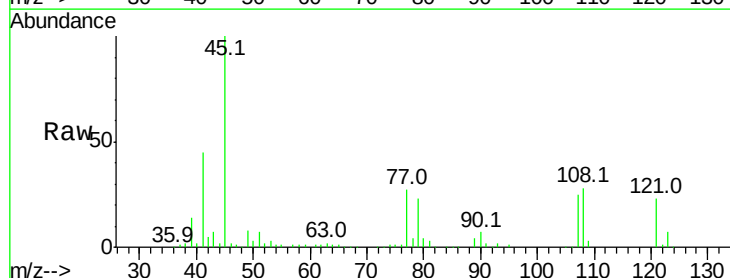
Instrument :  
BNA\_F  
ClientSampled :

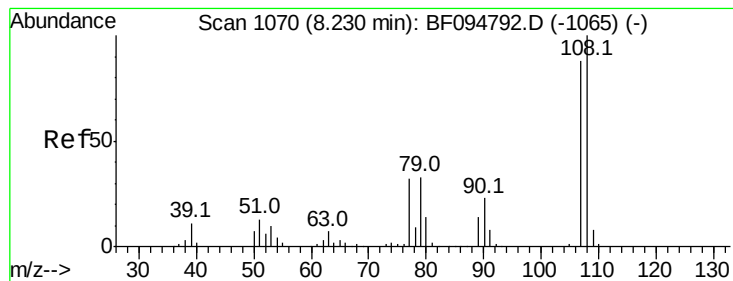
Tot Ion: 79 Resp: 205021  
Ion Ratio Lower Upper  
79 100  
108 81.1 63.4 95.0  
77 59.2 49.2 73.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.79 ng  
RT: 8.26 min Scan# 1075  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion: 45 Resp: 365749  
Ion Ratio Lower Upper  
45 100  
77 26.6 0.0 33.2  
79 22.7 0.0 30.0

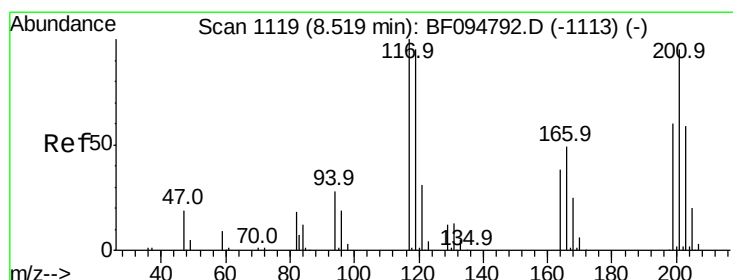
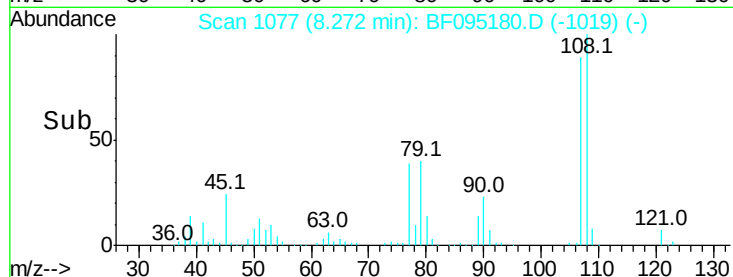
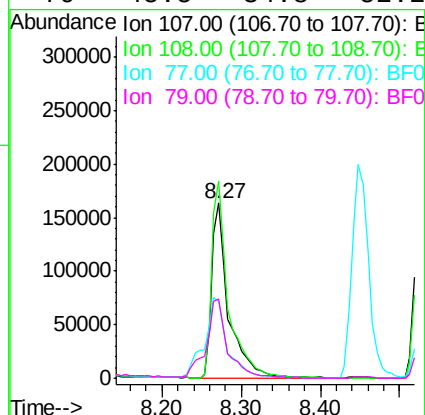
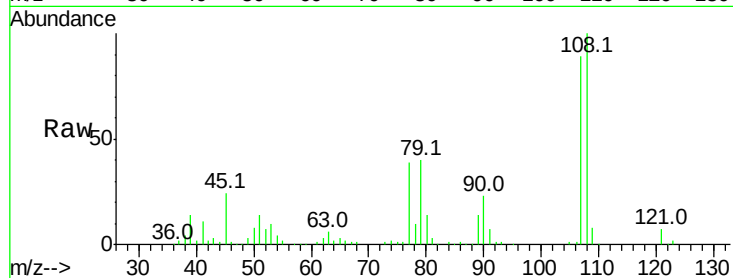




#17  
 2-Methylphenol  
 Concen: 40.17 ng  
 RT: 8.27 min Scan# 1077  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

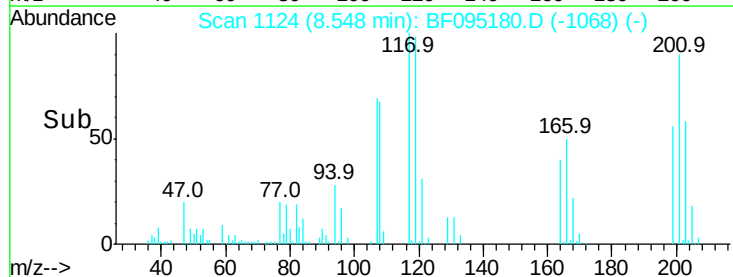
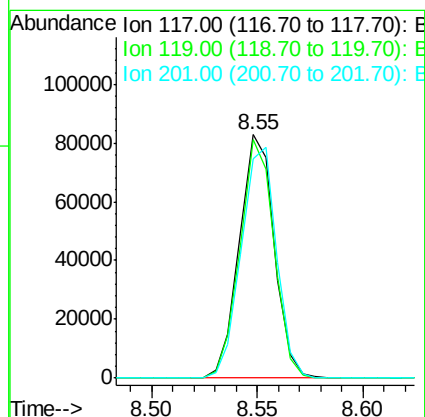
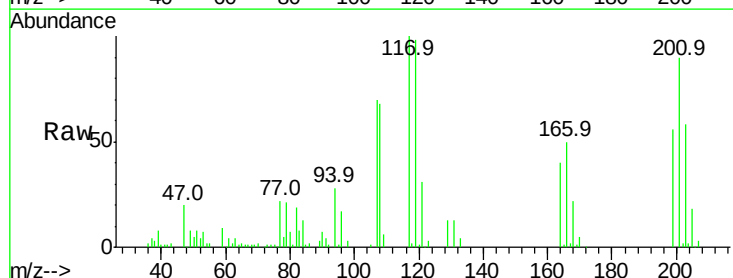
Instrument :  
 BNA\_F  
 ClientSampleId :

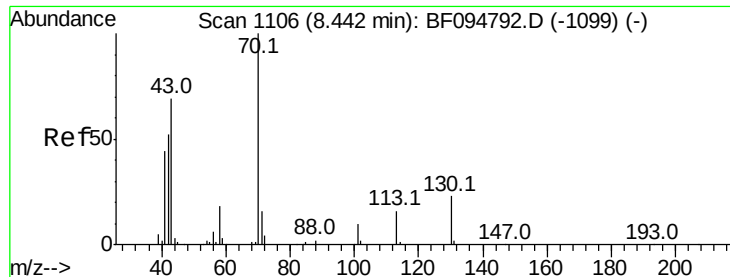
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 238834 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.5 | 93.4  | 140.0  |
| 77       | 44.1  | 35.8  | 53.6   |
| 79       | 45.5  | 34.8  | 52.2   |



#18  
 Hexachloroethane  
 Concen: 33.38 ng  
 RT: 8.55 min Scan# 1124  
 Delta R.T. 0.03 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 94503  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.0  | 77.4  | 116.0  |
| 201      | 90.3  | 94.6  | 141.8# |

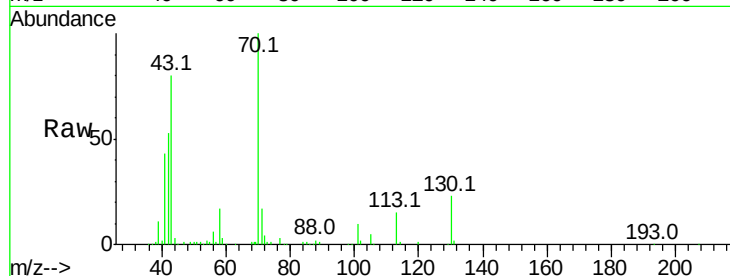




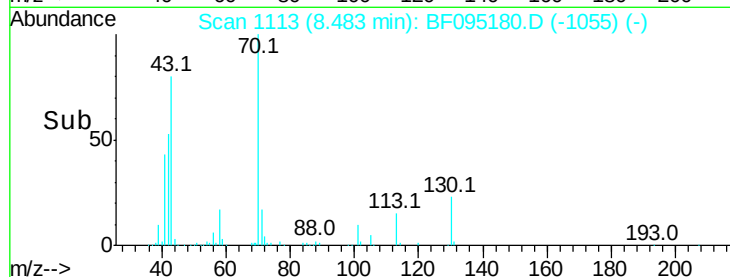
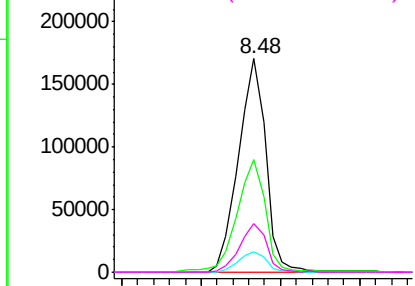
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.49 ng  
RT: 8.48 min Scan# 1113  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 204568  
Ion Ratio Lower Upper  
70 100  
42 52.8 47.2 70.8  
101 9.8 7.2 10.8  
130 22.8 15.9 23.9

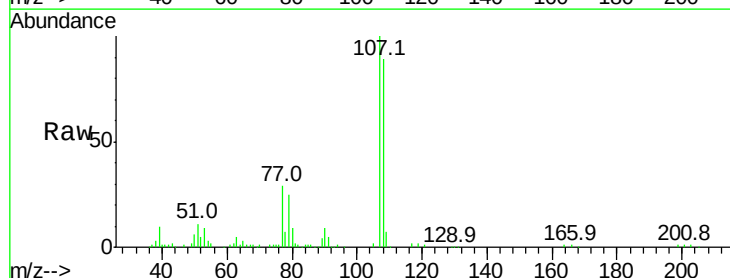
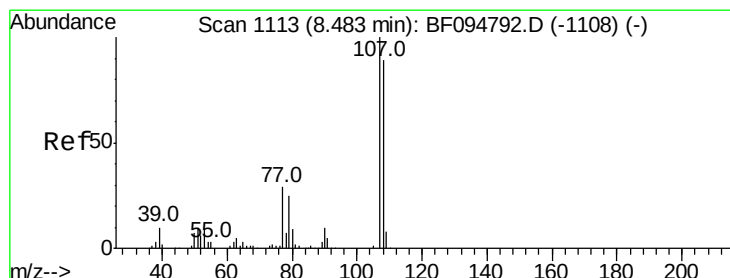


Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

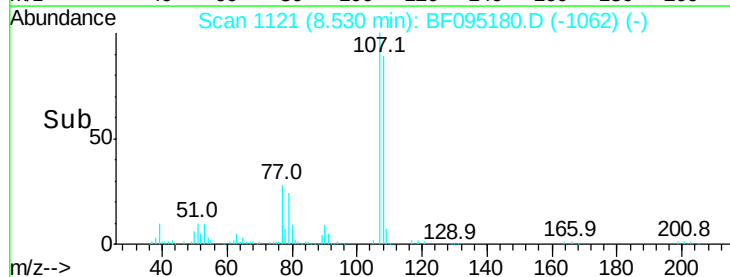
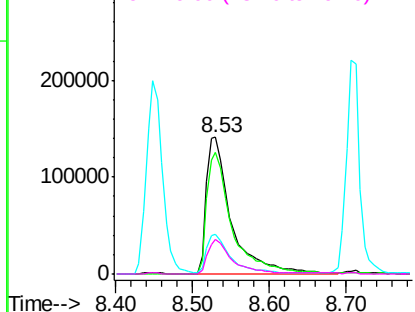


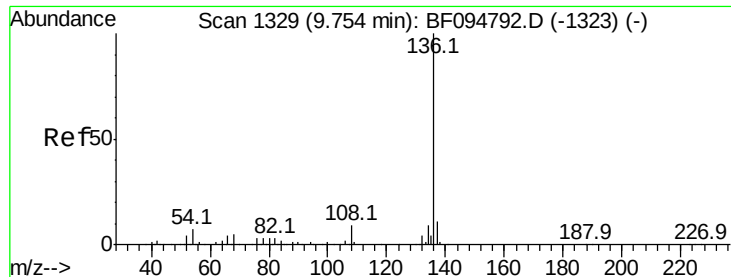
#20  
3+4-Methylphenols  
Concen: 39.28 ng  
RT: 8.53 min Scan# 1121  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion: 107 Resp: 317337  
Ion Ratio Lower Upper  
107 100  
108 89.2 71.0 111.0  
77 28.8 90.5 130.5#  
79 25.0 8.4 48.4



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

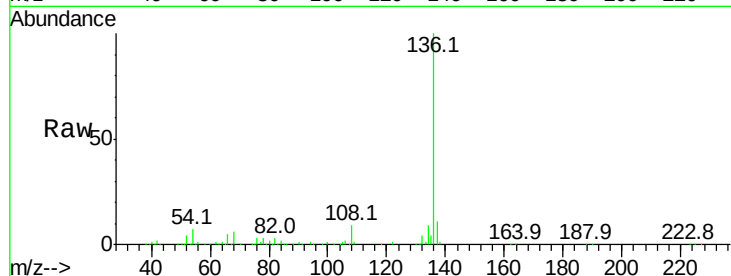




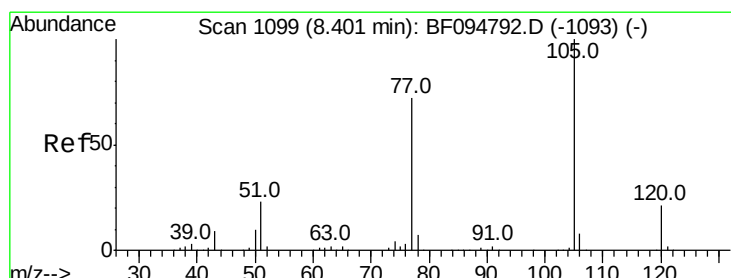
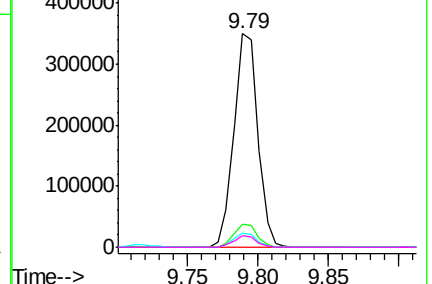
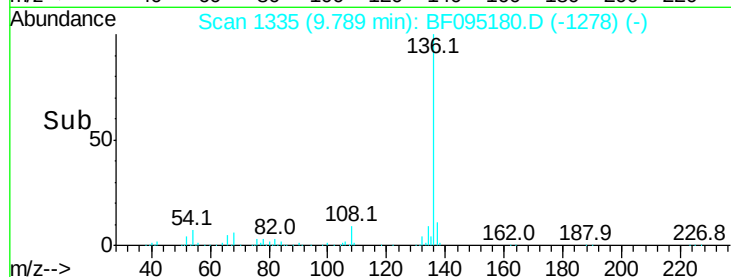
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.79 min Scan# 1335  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 412918 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.9    | 8.5   | 12.7   |
| 54 6.8      | 4.9   | 7.3    |
| 68 5.6      | 4.1   | 6.1    |

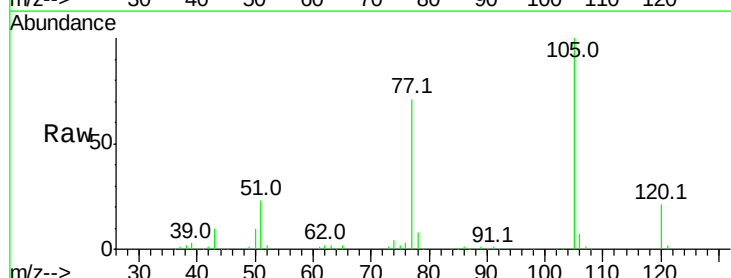


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

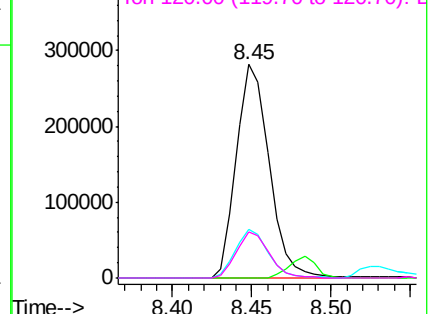
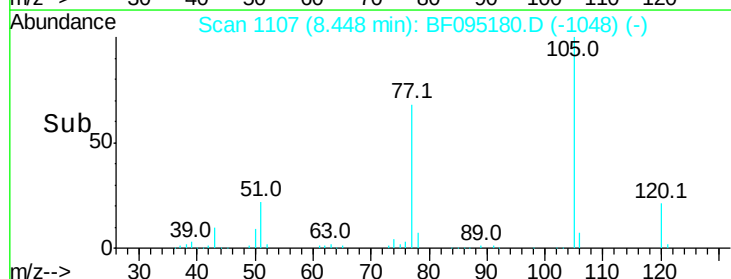


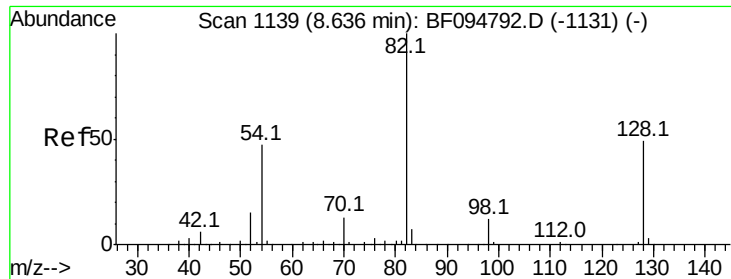
#22  
Acetophenone  
Concen: 41.00 ng  
RT: 8.45 min Scan# 1107  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:105 | Resp: | 406176 |
| Ion Ratio   | Lower | Upper  |
| 105 100     |       |        |
| 71 0.0      | 2.8   | 4.2#   |
| 51 23.0     | 30.7  | 46.1#  |
| 120 21.4    | 17.4  | 26.0   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

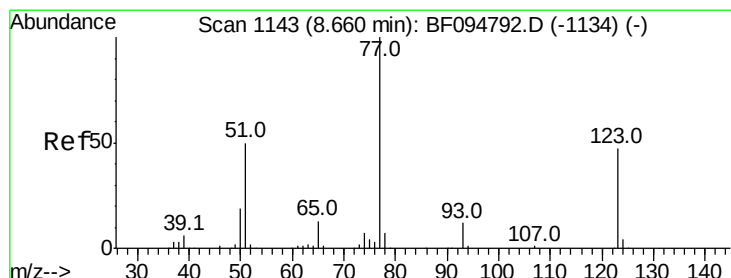
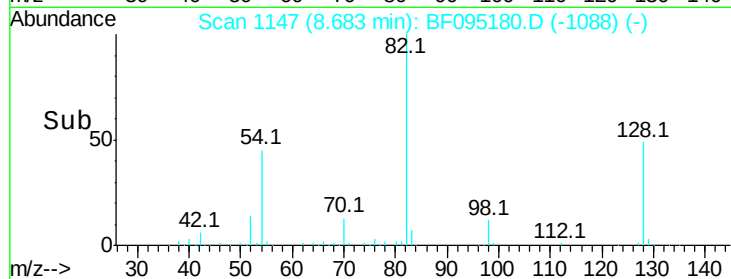
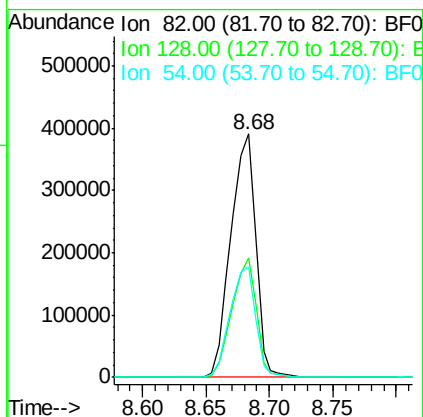
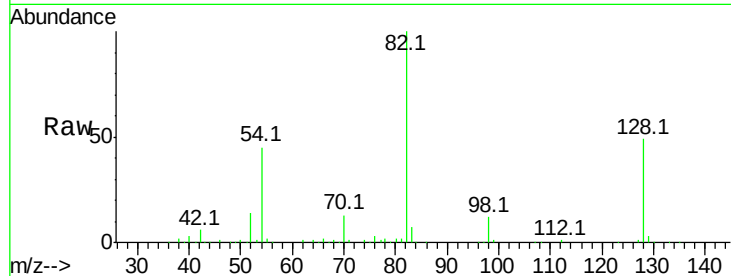




#23  
 Nitrobenzene-d5  
 Concen: 81.53 ng  
 RT: 8.68 min Scan# 1147  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

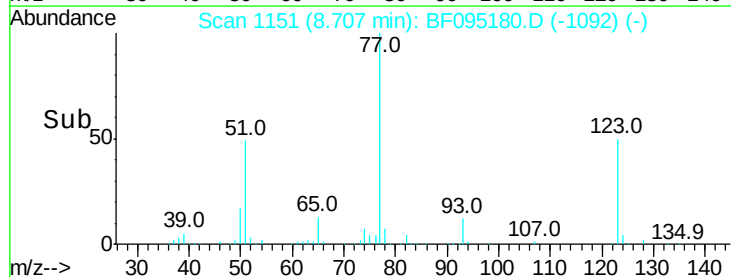
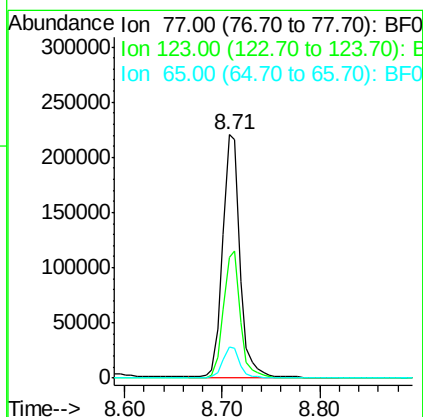
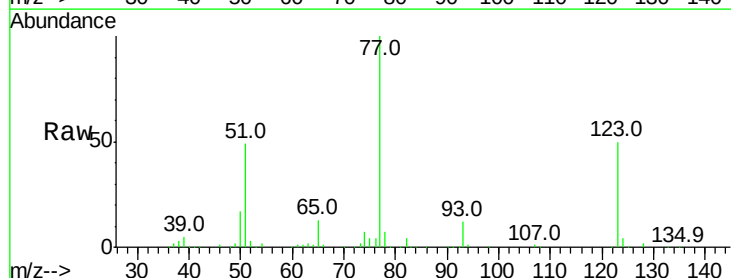
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | 82    | Resp  | 533850 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 48.8  | 34.0  | 51.0   |
| 54      | 45.3  | 42.2  | 63.2   |

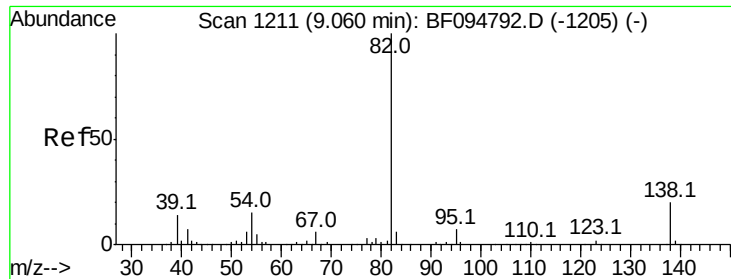


#24  
 Nitrobenzene  
 Concen: 39.55 ng  
 RT: 8.71 min Scan# 1151  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

| Tgt Ion | 77    | Resp  | 271431 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 49.5  | 35.8  | 53.8   |
| 65      | 12.7  | 10.6  | 15.8   |



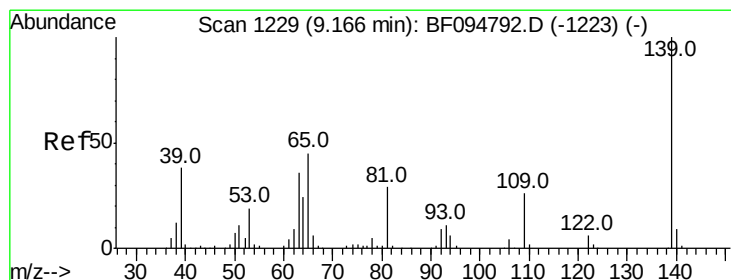
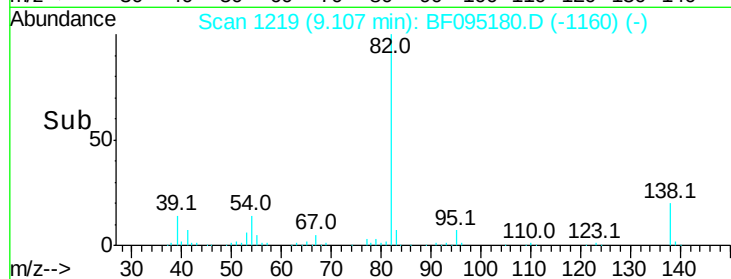
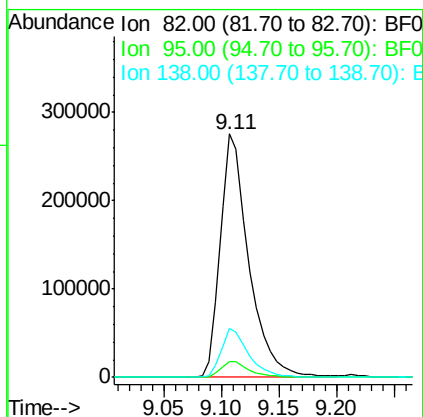
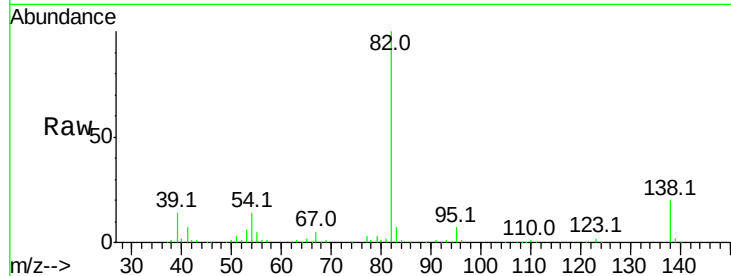




#25  
Isophorone  
Concen: 40.41 ng  
RT: 9.11 min Scan# 1219  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

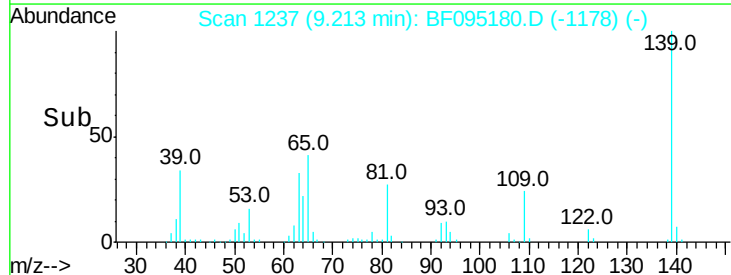
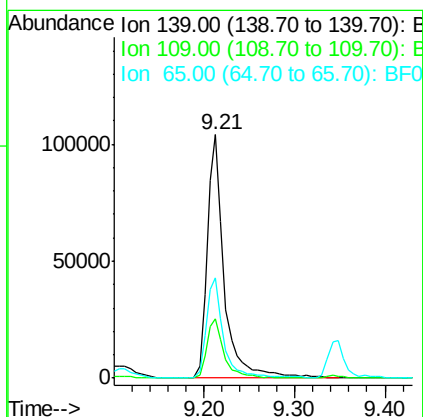
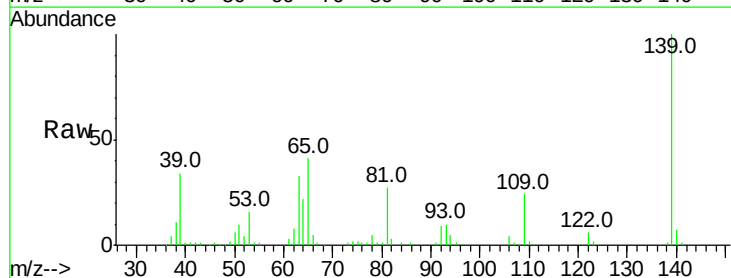
Instrument :  
BNA\_F  
ClientSampleId :

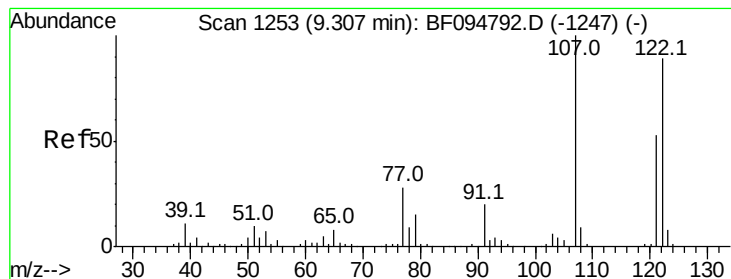
Tot Ion: 82 Resp: 472517  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.3 7.9  
138 20.1 13.1 19.7#



#26  
2-Nitrophenol  
Concen: 36.98 ng  
RT: 9.21 min Scan# 1237  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:139 Resp: 136948  
Ion Ratio Lower Upper  
139 100  
109 24.4 21.0 31.6  
65 41.4 33.0 49.6

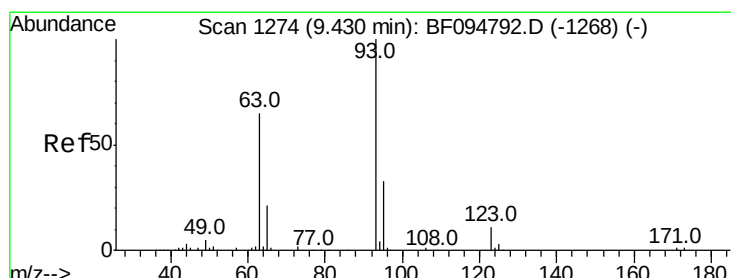
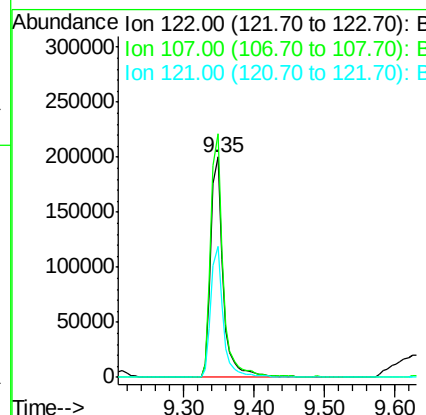
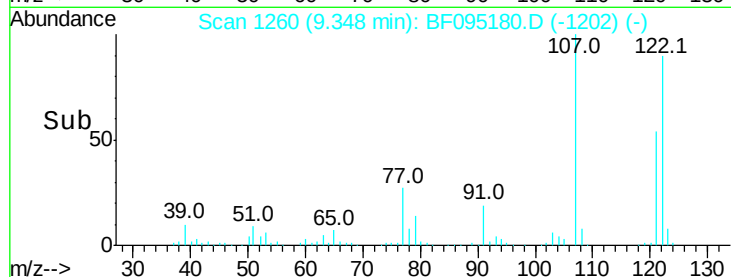
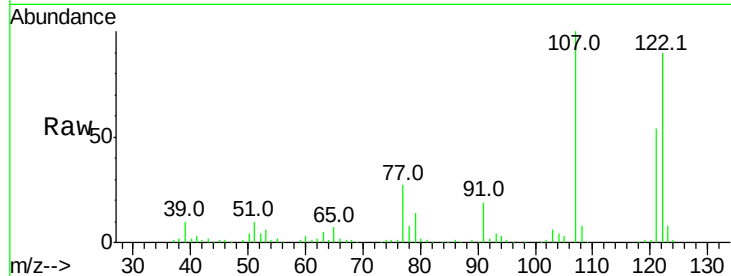




#27  
 2,4-Dimethylphenol  
 Concen: 41.11 ng  
 RT: 9.35 min Scan# 1260  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

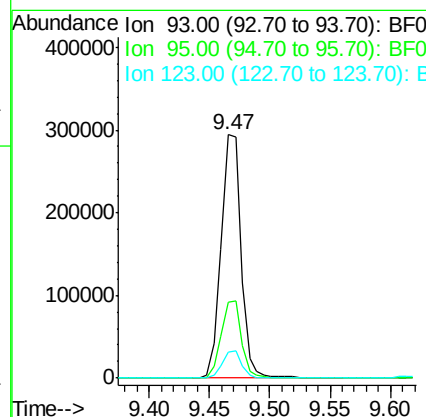
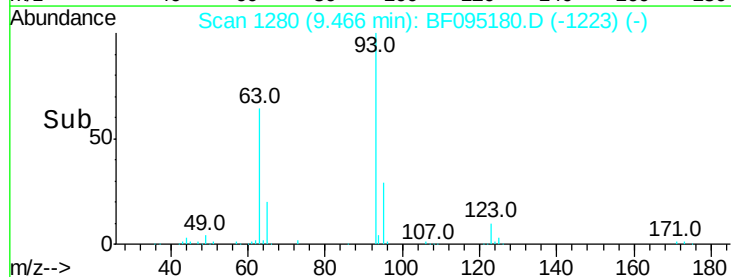
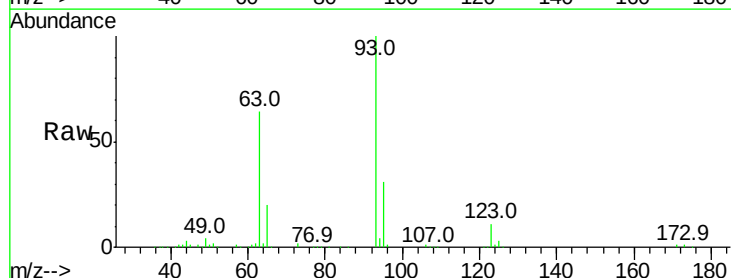
Instrument :  
 BNA\_F  
 ClientSampled :

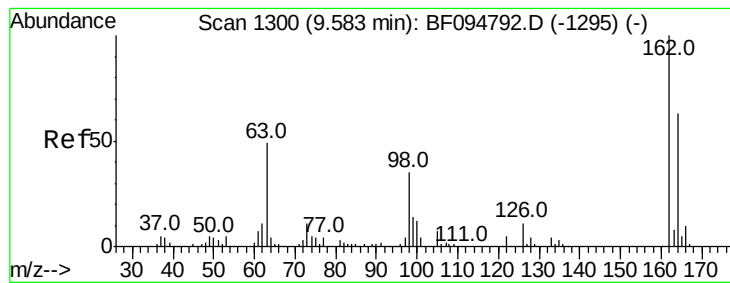
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.7 | 89.2  | 133.8 |
| 121     | 59.7  | 45.2  | 67.8  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.56 ng  
 RT: 9.47 min Scan# 1280  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.2  | 26.5  | 39.7  |
| 123     | 10.9  | 9.0   | 13.4  |

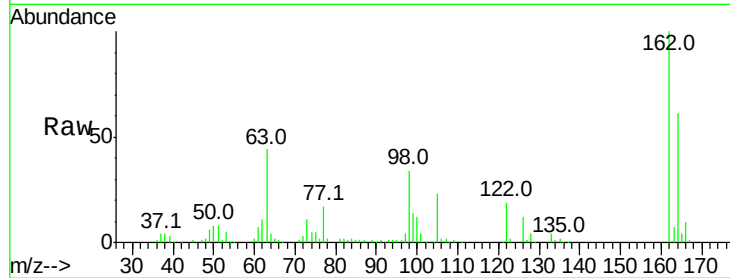




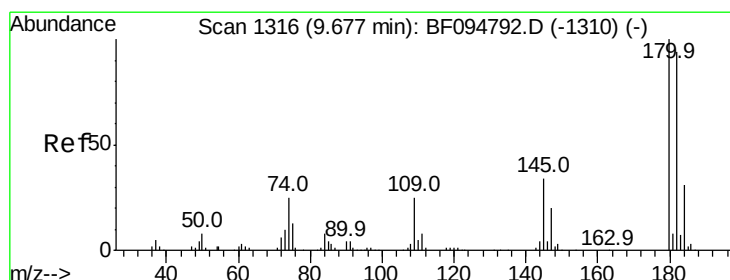
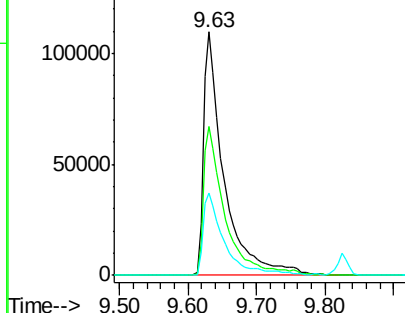
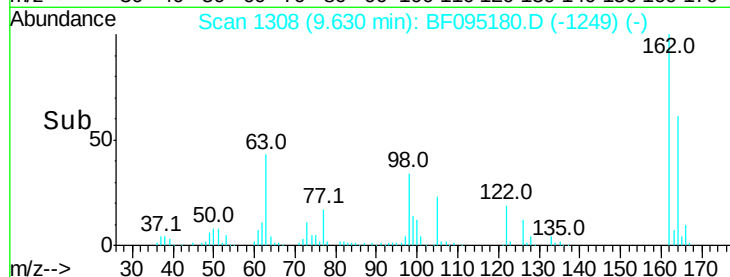
#29  
 2,4-Dichlorophenol  
 Concen: 40.56 ng  
 RT: 9.63 min Scan# 1308  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.3  | 44.6  | 84.6  |
| 98      | 33.6  | 14.8  | 54.8  |

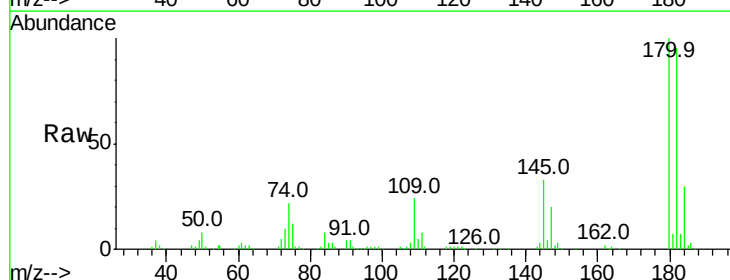


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

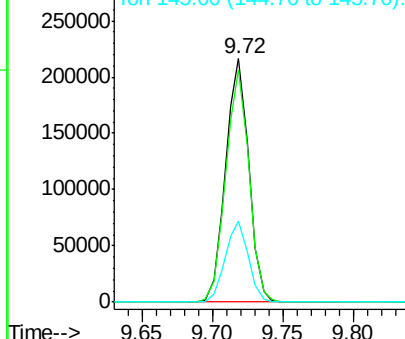
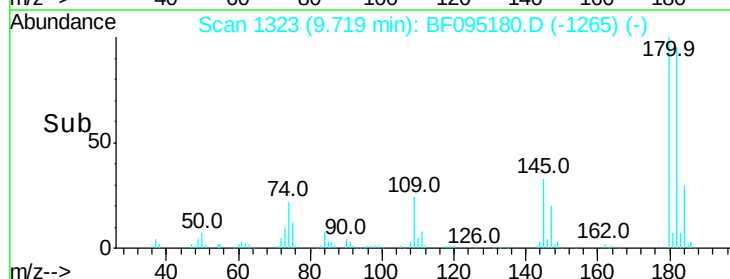


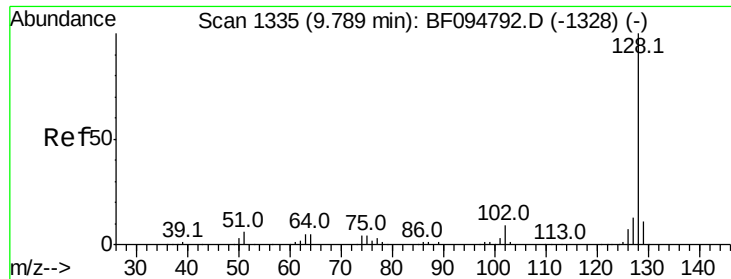
#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.69 ng  
 RT: 9.72 min Scan# 1323  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 75.8  | 113.6 |
| 145     | 33.3  | 25.3  | 37.9  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

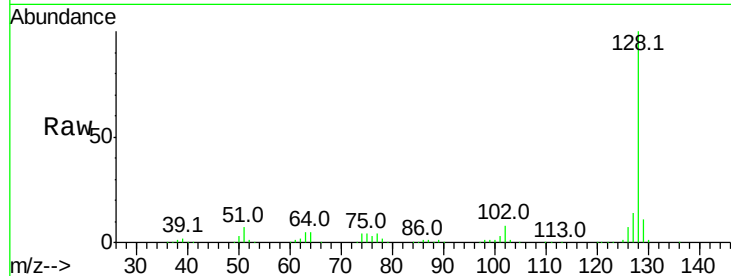




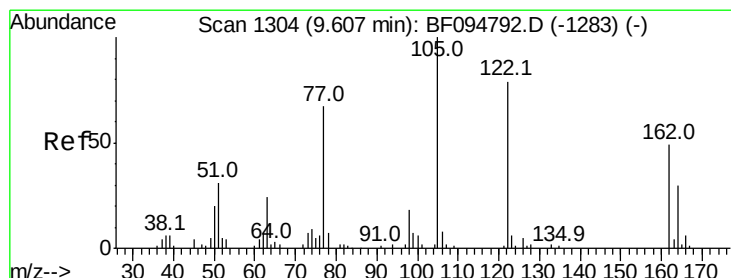
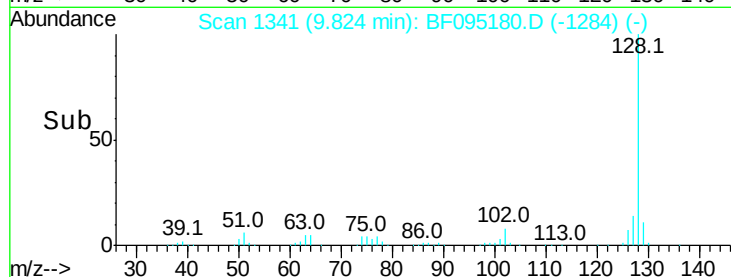
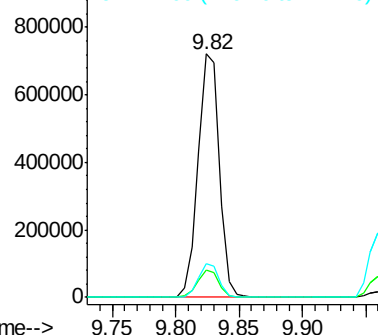
#31  
Naphthalene  
Concen: 40.32 ng  
RT: 9.82 min Scan# 1341  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 836788  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.7 10.8 16.2

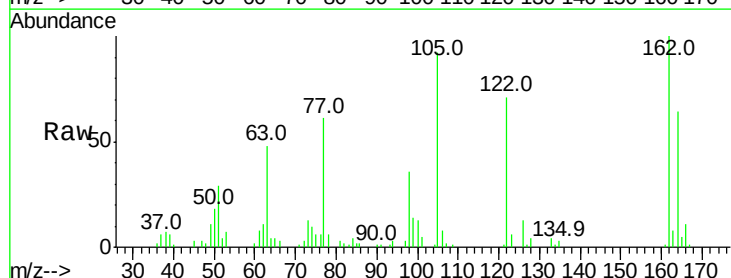


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

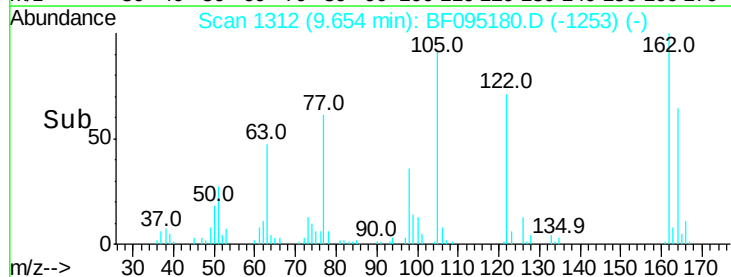
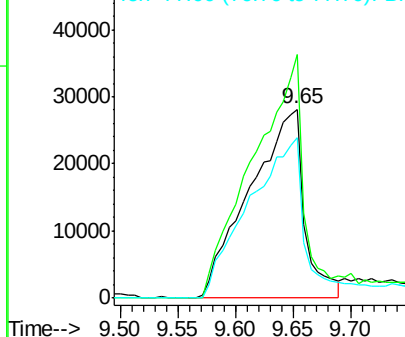


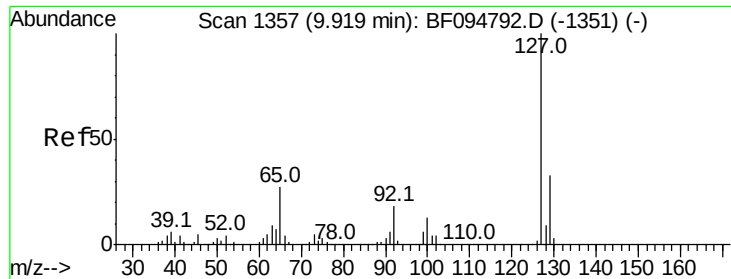
#32  
Benzoic acid  
Concen: 26.17 ng  
RT: 9.65 min Scan# 1312  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:122 Resp: 92712  
Ion Ratio Lower Upper  
122 100  
105 129.0 103.3 143.3  
77 85.2 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

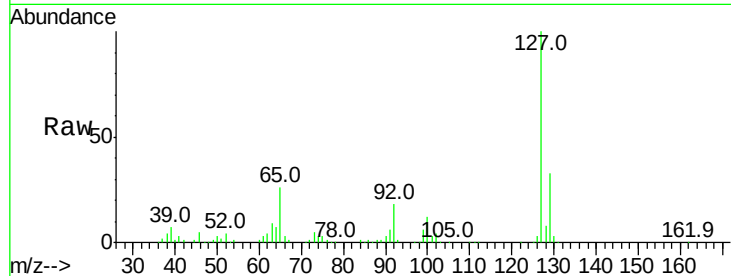




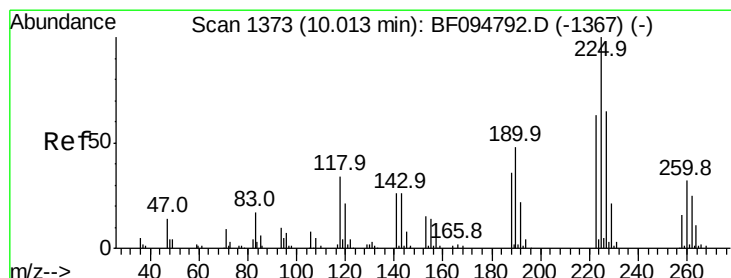
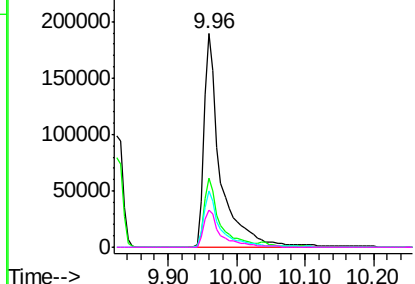
#33  
 4-Chloroaniline  
 Concen: 42.10 ng  
 RT: 9.96 min Scan# 1364  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Instrument :  
 BNA\_F  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 325620 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.6  | 26.2  | 39.2   |
| 65       | 26.5  | 27.8  | 41.8#  |
| 92       | 17.6  | 16.8  | 25.2   |

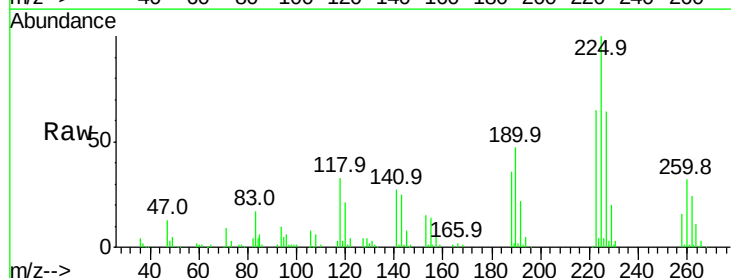


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

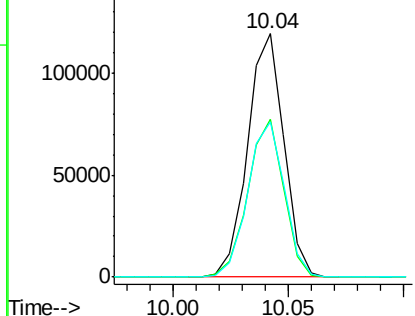


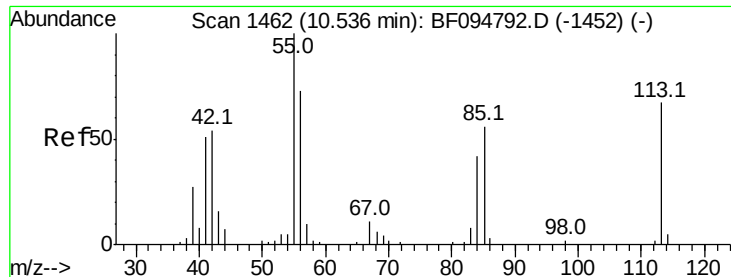
#34  
 Hexachlorobutadiene  
 Concen: 41.02 ng  
 RT: 10.04 min Scan# 1378  
 Delta R.T. 0.03 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 131098 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.6  | 48.8  | 73.2   |
| 227      | 63.9  | 51.1  | 76.7   |



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





#35

Caprolactam

Concen: 34.54 ng

RT: 10.59 min Scan# 1472

Delta R.T. 0.06 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampled :

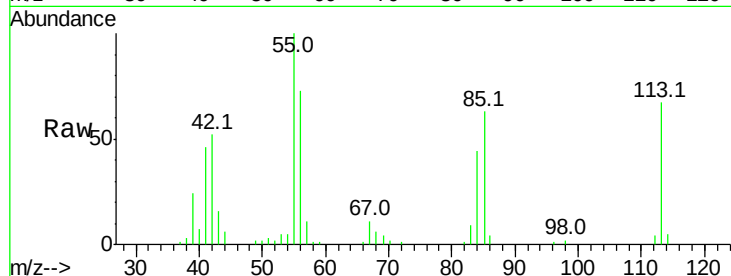
Tot Ion:113 Resp: 58645

Ion Ratio Lower Upper

113 100

55 149.9 150.2 190.2#

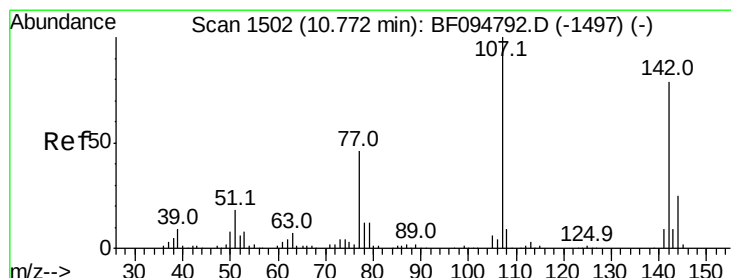
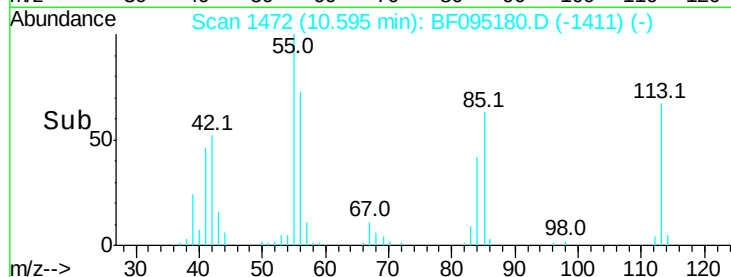
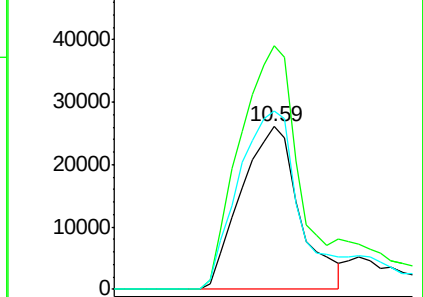
56 110.1 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 43.93 ng

RT: 10.82 min Scan# 1510

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

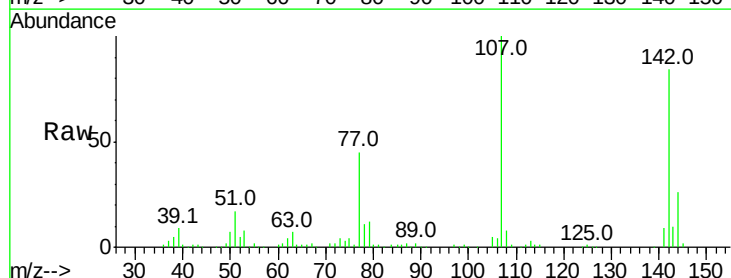
Tgt Ion:107 Resp: 265578

Ion Ratio Lower Upper

107 100

144 25.7 24.2 36.4

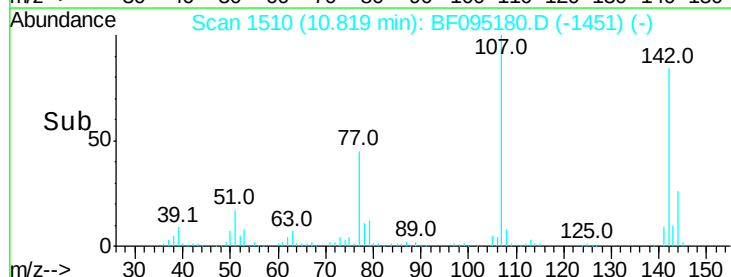
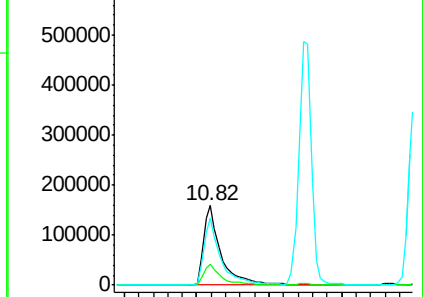
142 84.0 73.4 110.0

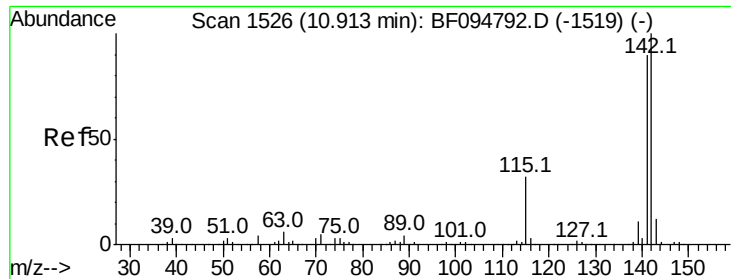


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

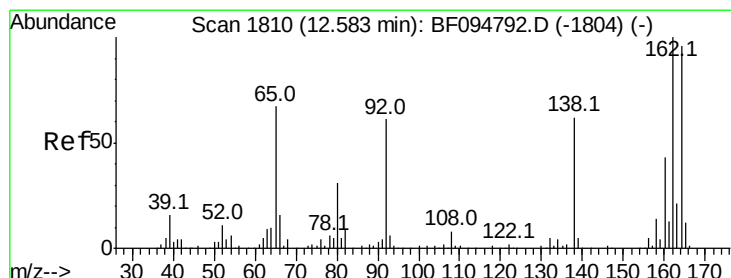
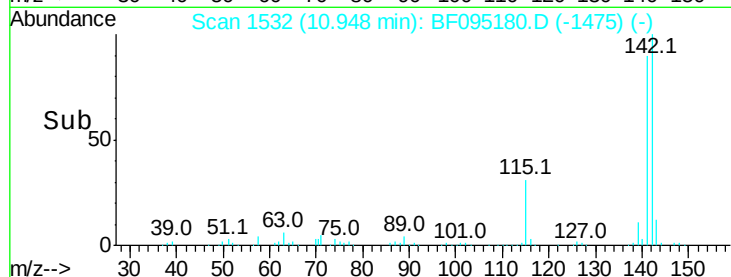
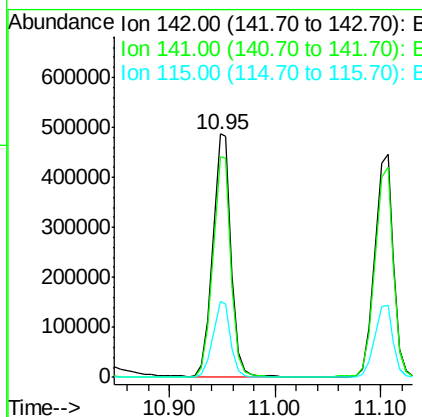
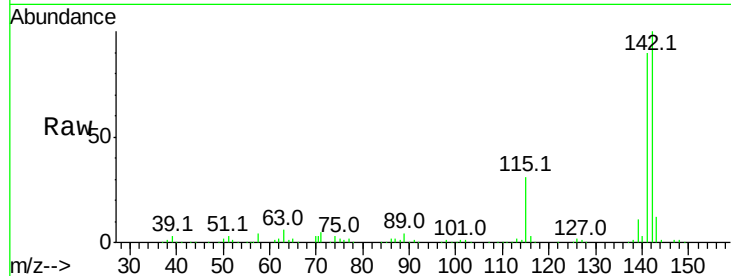




#37  
2-Methylnaphthalene  
Concen: 44.01 ng  
RT: 10.95 min Scan# 1532  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

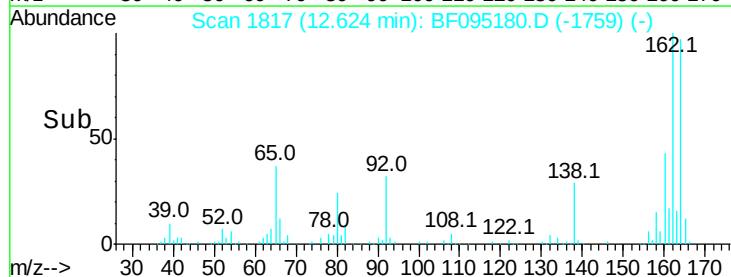
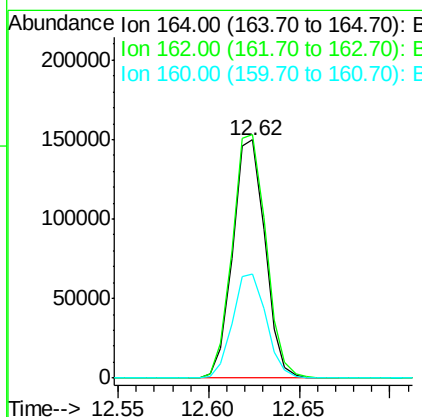
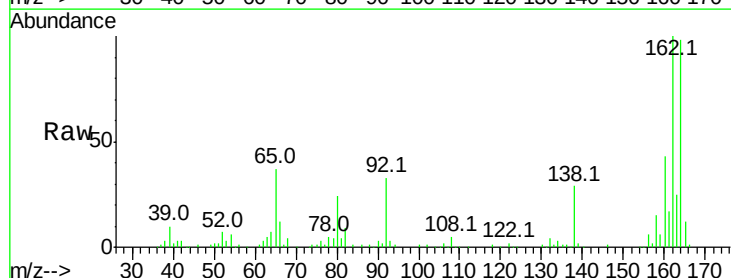
Instrument :  
BNA\_F  
ClientSampleId :

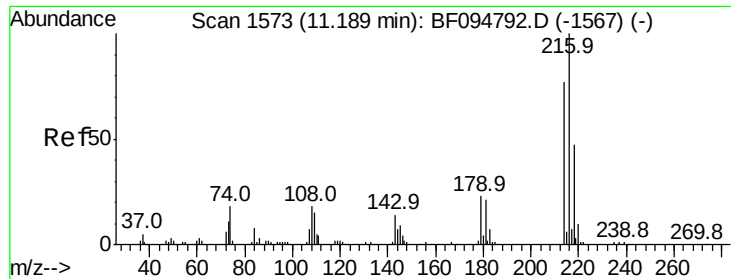
Tot Ion:142 Resp: 599410  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.3 106.9  
115 31.1 27.1 40.7



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.62 min Scan# 1817  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:164 Resp: 186096  
Ion Ratio Lower Upper  
164 100  
162 102.3 82.6 123.8  
160 43.5 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.42 ng

RT: 11.23 min Scan# 1580

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 248498

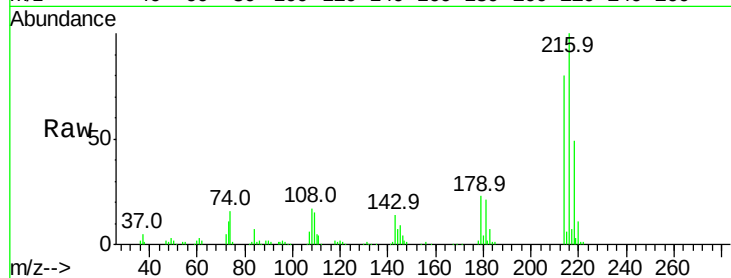
Ion Ratio Lower Upper

216 100

214 79.8 63.4 95.2

179 22.3 17.9 26.9

108 17.7 16.5 24.7

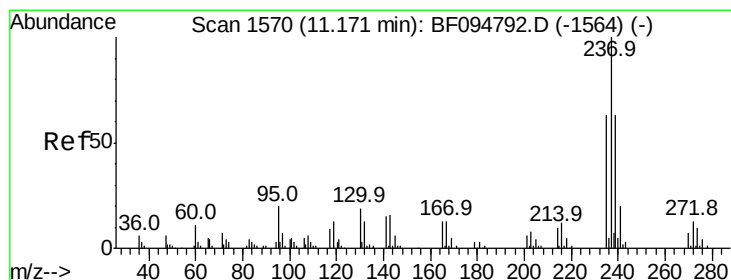
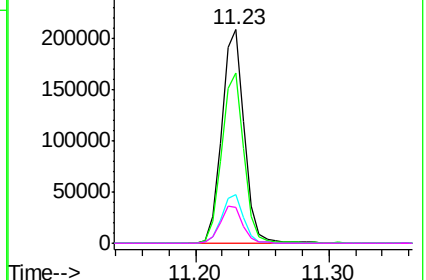
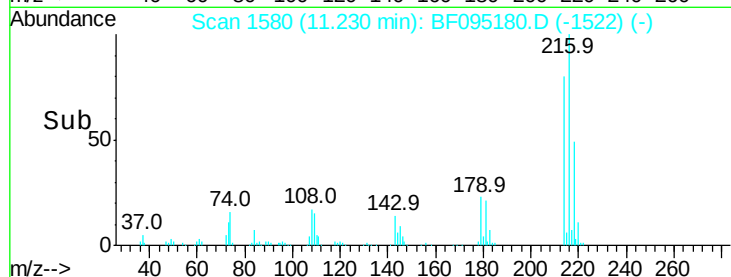


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 11.24 ng

RT: 11.20 min Scan# 1575

Delta R.T. 0.03 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

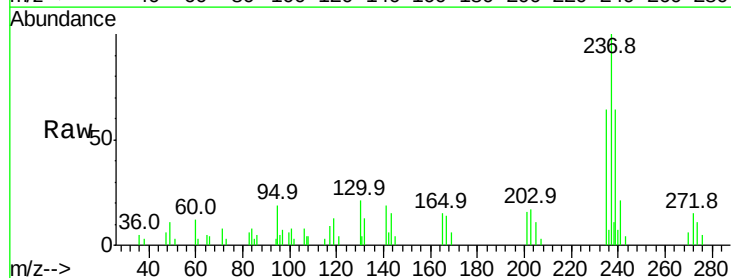
Tgt Ion:237 Resp: 13502

Ion Ratio Lower Upper

237 100

235 63.8 42.6 82.6

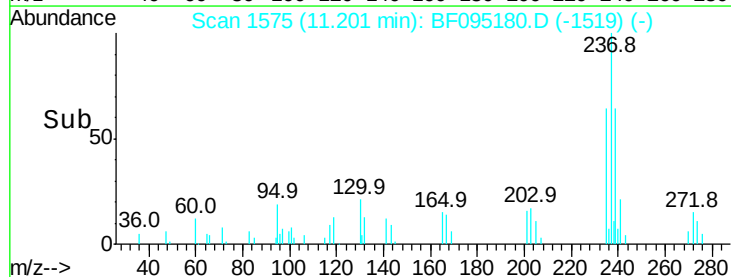
272 14.7 0.0 31.9



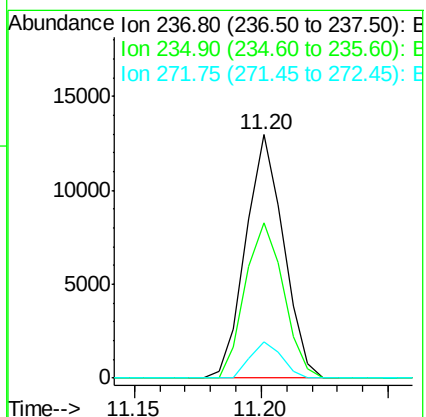
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

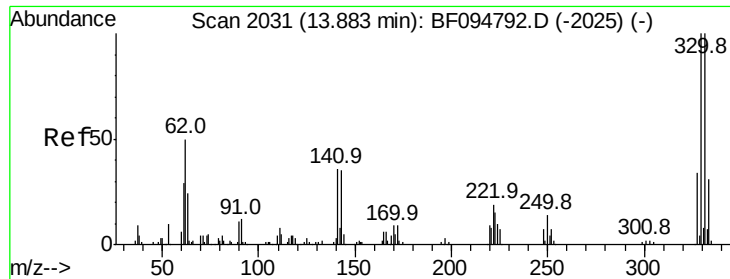
Ion 271.75 (271.45 to 272.45): E



Time-->



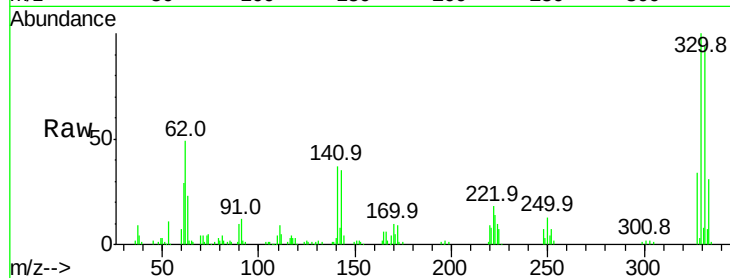




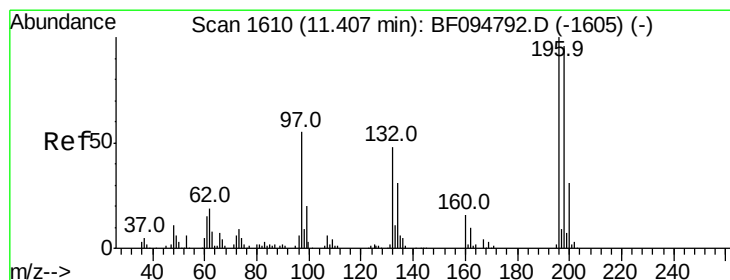
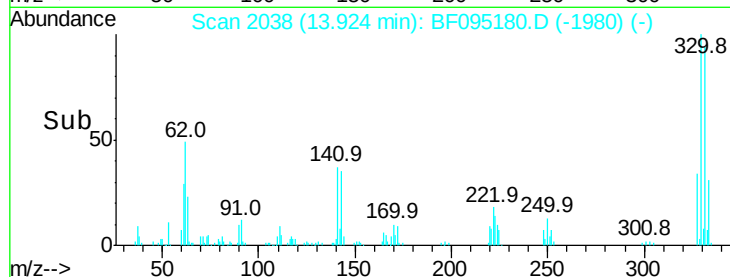
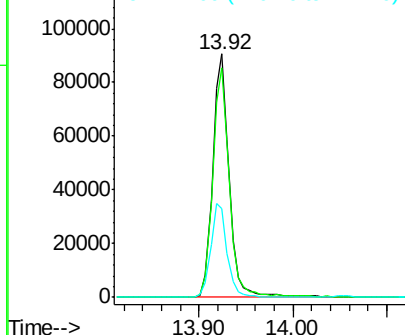
#41  
 2,4,6-Tribromophenol  
 Concen: 73.44 ng  
 RT: 13.92 min Scan# 2038  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 111923  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 76.6 115.0  
 141 38.4 31.4 47.2

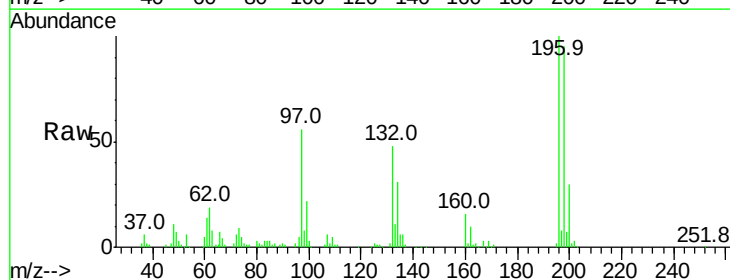


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

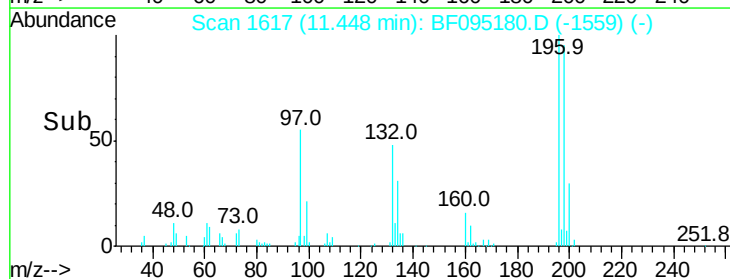
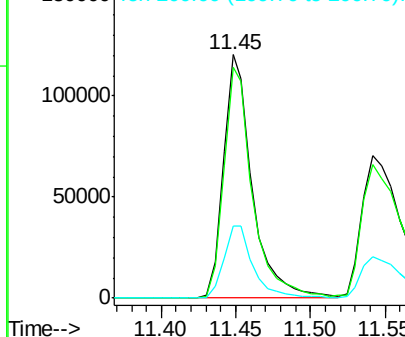


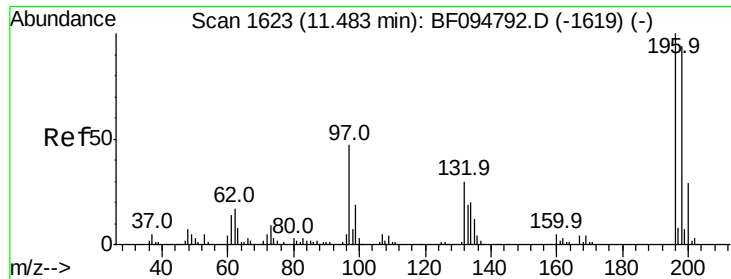
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.80 ng  
 RT: 11.45 min Scan# 1617  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:196 Resp: 163550  
 Ion Ratio Lower Upper  
 196 100  
 198 94.7 74.2 111.4  
 200 29.7 24.0 36.0



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

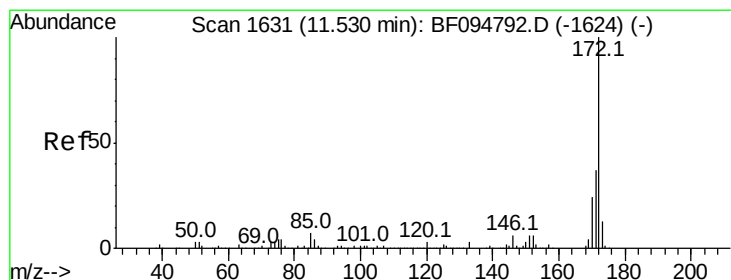
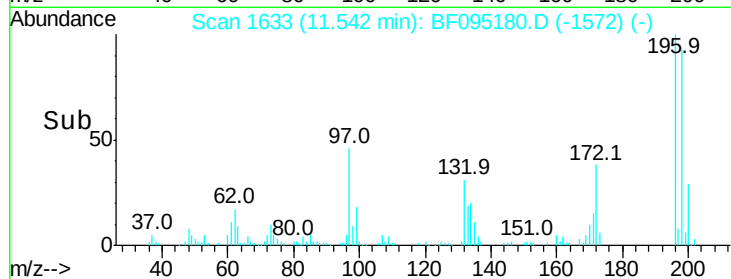
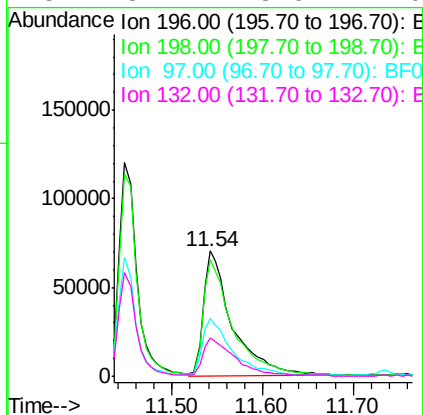
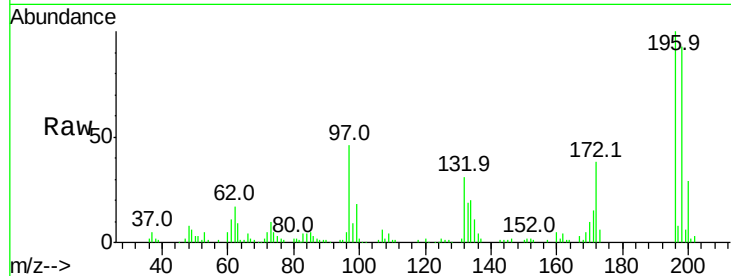




#43  
 2,4,5-Trichlorophenol  
 Concen: 37.72 ng  
 RT: 11.54 min Scan# 1633  
 Delta R.T. 0.06 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

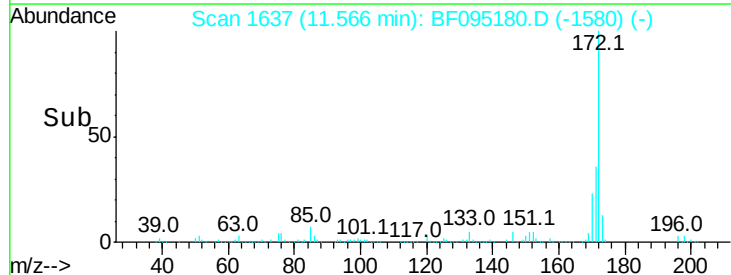
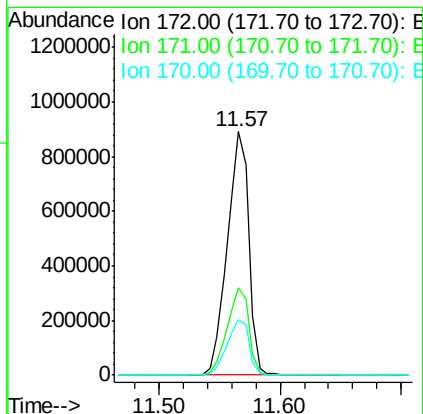
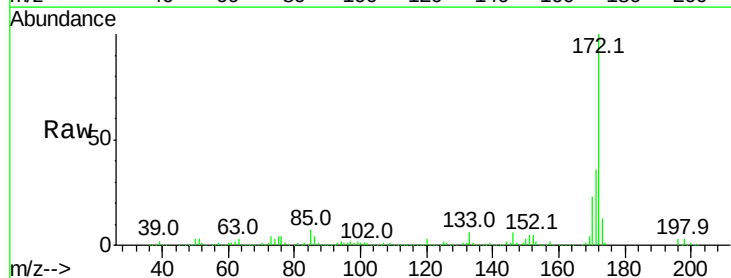
Instrument :  
 BNA\_F  
 ClientSampleId :

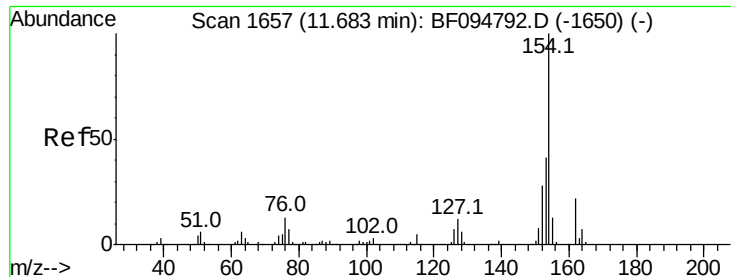
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.4  | 75.7  | 113.5 |
| 97      | 45.6  | 47.7  | 71.5# |
| 132     | 31.1  | 28.0  | 42.0  |



#44  
 2-Fluorobiphenyl  
 Concen: 85.25 ng  
 RT: 11.57 min Scan# 1637  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.6  | 44.4  |
| 170     | 22.9  | 19.8  | 29.8  |





#45

1,1'-Biphenyl

Concen: 44.23 ng

RT: 11.72 min Scan# 1663

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampled :

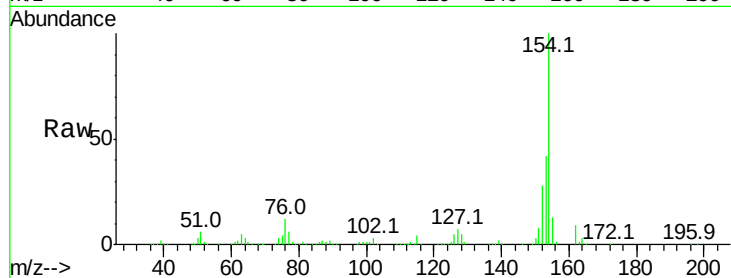
Tot Ion:154 Resp: 693009

Ion Ratio Lower Upper

154 100

153 41.8 21.2 61.2

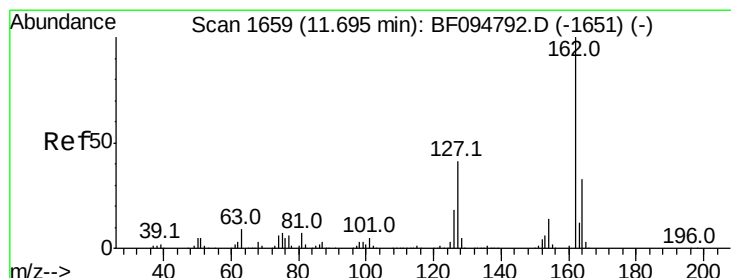
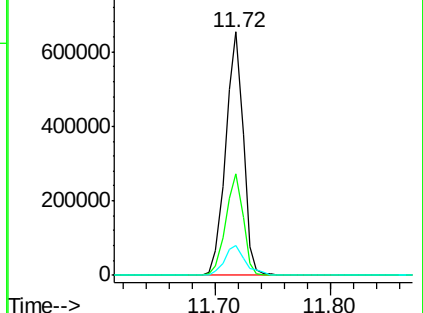
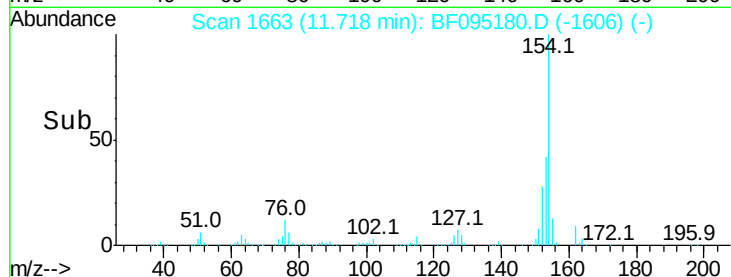
76 12.4 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.55 ng

RT: 11.74 min Scan# 1666

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

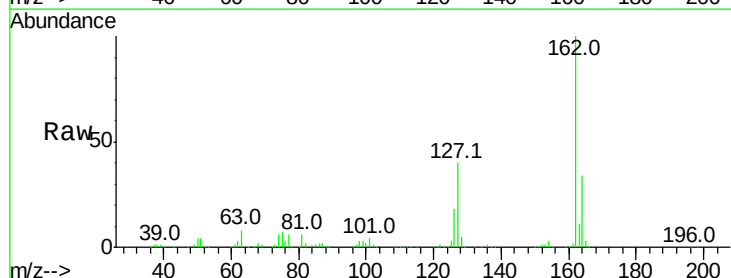
Tgt Ion:162 Resp: 538377

Ion Ratio Lower Upper

162 100

127 40.5 28.3 42.5

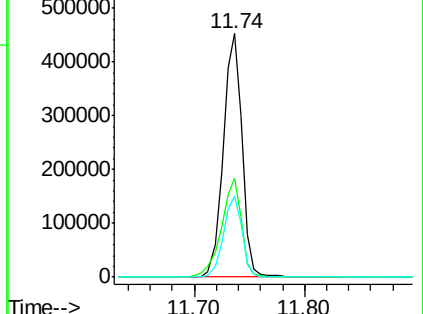
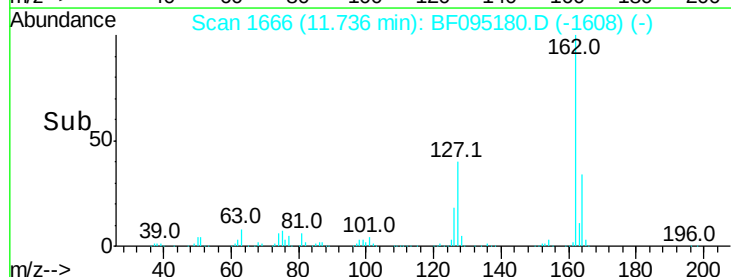
164 33.6 27.0 40.4

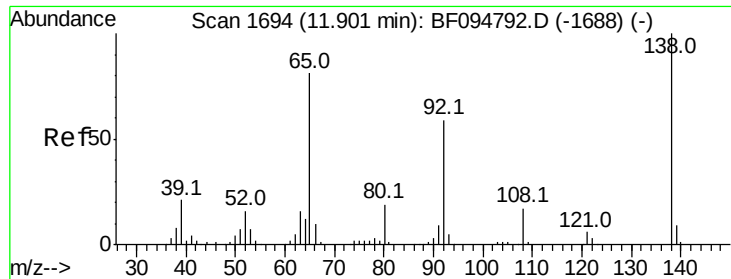


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.93 ng

RT: 11.95 min Scan# 1703

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

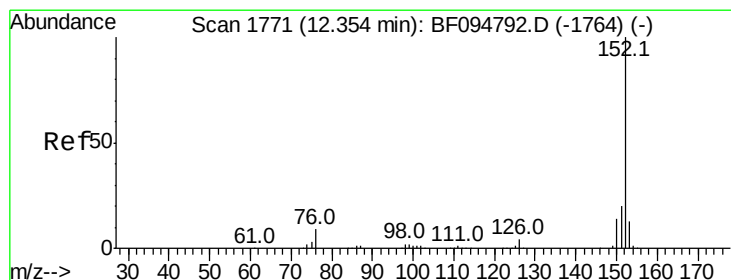
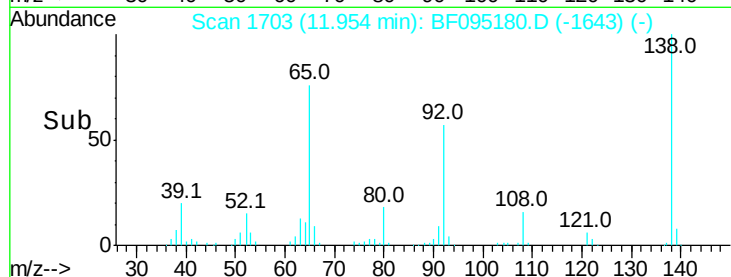
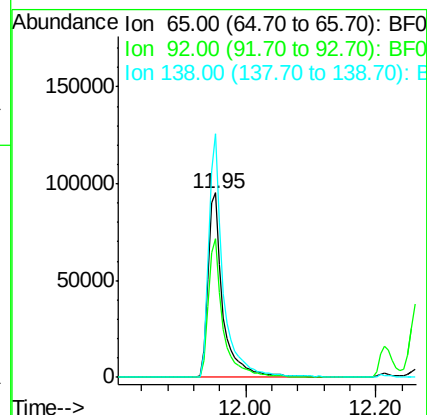
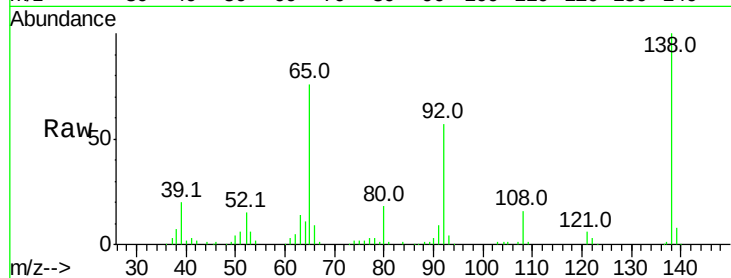
Tot Ion: 65 Resp: 152128

Ion Ratio Lower Upper

65 100

92 75.0 53.9 80.9

138 132.0 78.8 118.2#



#48

Acenaphthylene

Concen: 40.78 ng

RT: 12.39 min Scan# 1778

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

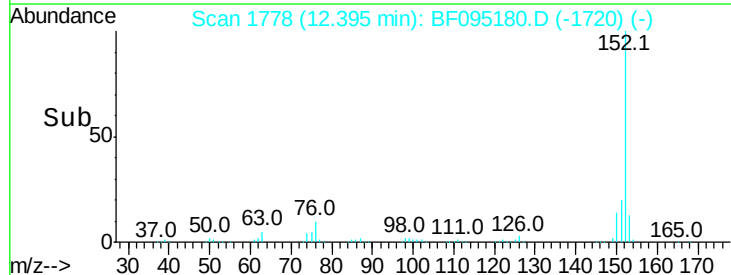
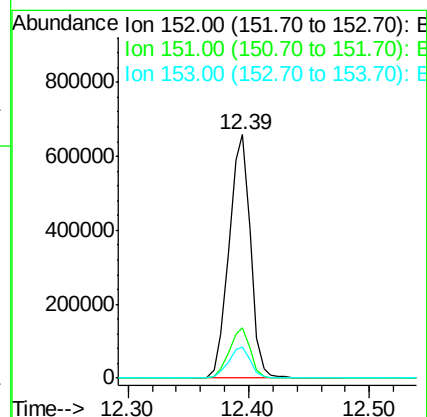
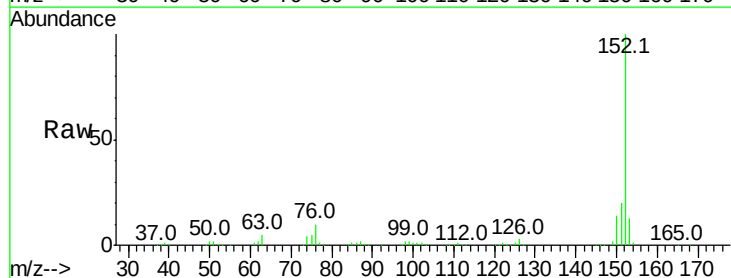
Tgt Ion: 152 Resp: 808190

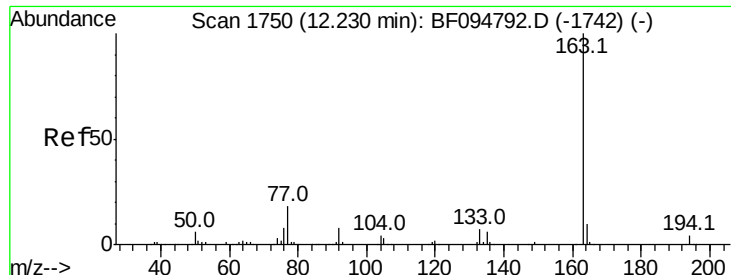
Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

153 13.0 10.8 16.2





#49

Dimethylphthalate

Concen: 42.36 ng

RT: 12.27 min Scan# 1756

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

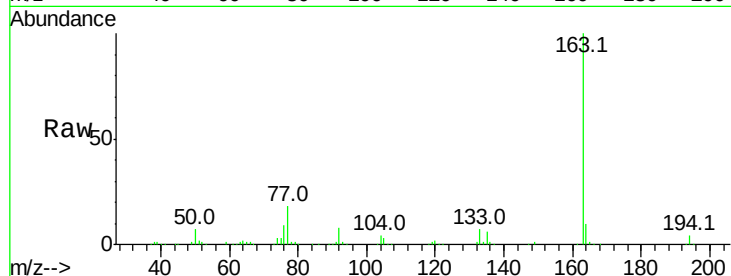
Tot Ion:163 Resp: 647131

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

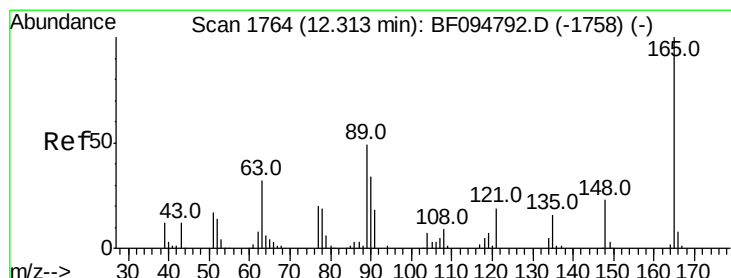
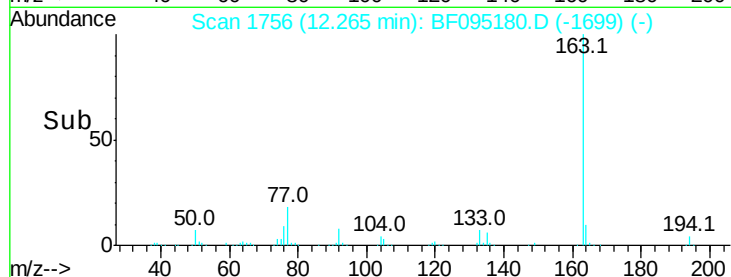
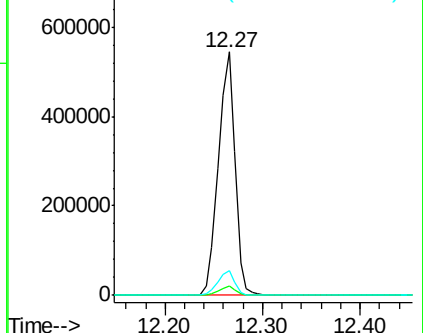
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 40.03 ng

RT: 12.36 min Scan# 1772

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

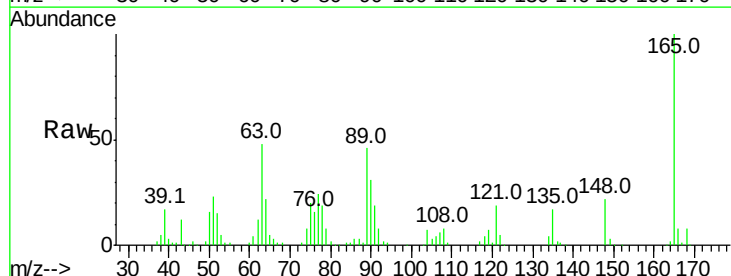
Tgt Ion:165 Resp: 124780

Ion Ratio Lower Upper

165 100

63 48.3 34.3 51.5

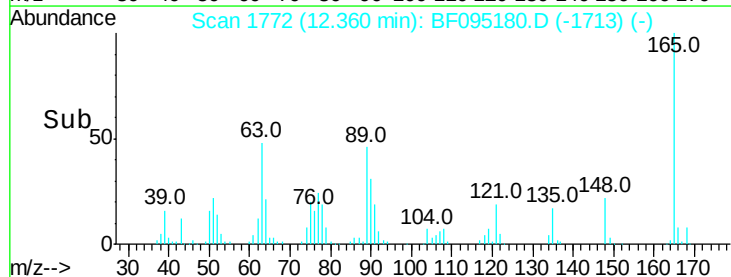
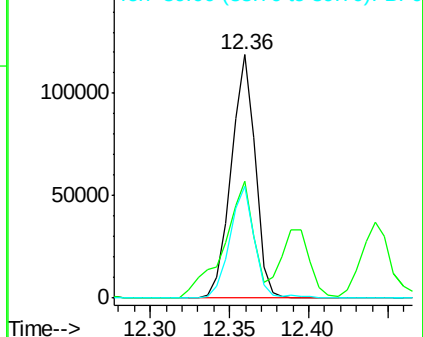
89 45.8 37.1 55.7

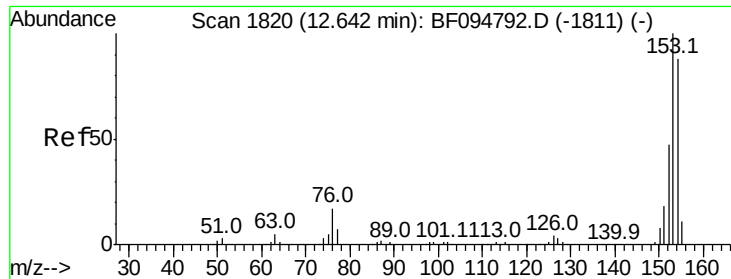


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.01 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

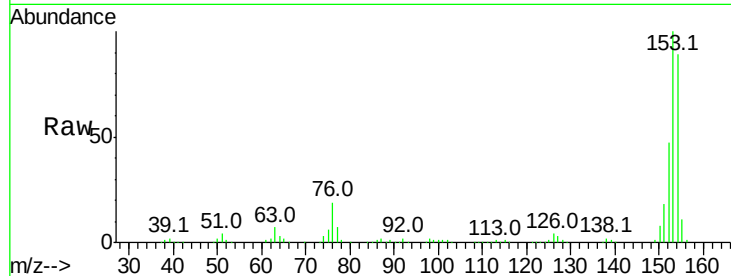
Tot Ion:154 Resp: 473581

Ion Ratio Lower Upper

154 100

153 112.4 90.5 135.7

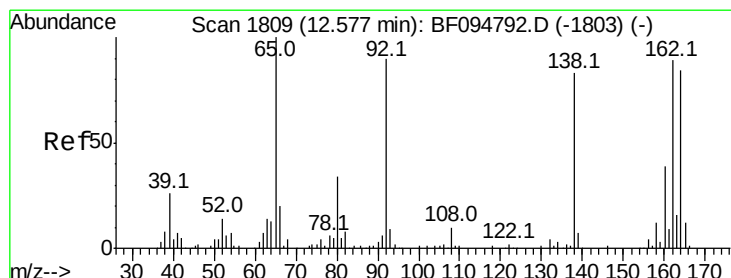
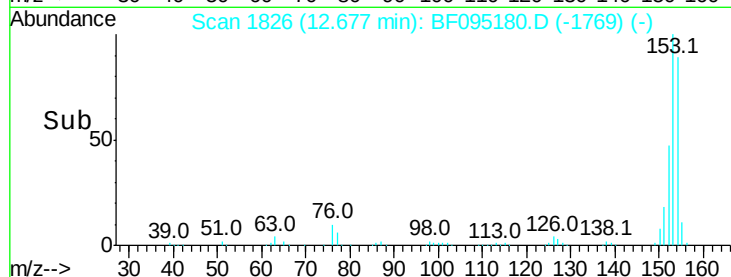
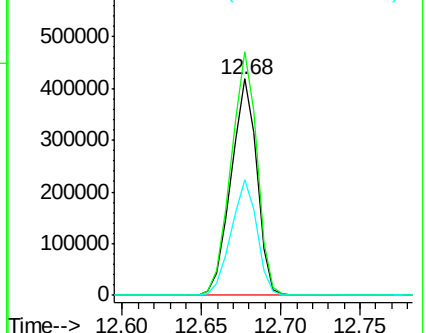
152 53.3 43.6 65.4



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: 40.98 ng

RT: 12.64 min Scan# 1819

Delta R.T. 0.06 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

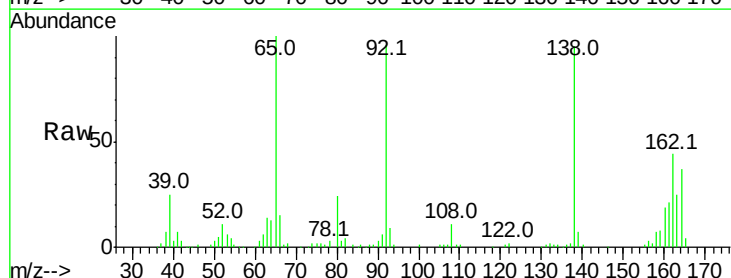
Tgt Ion:138 Resp: 137077

Ion Ratio Lower Upper

138 100

108 11.5 9.1 13.7

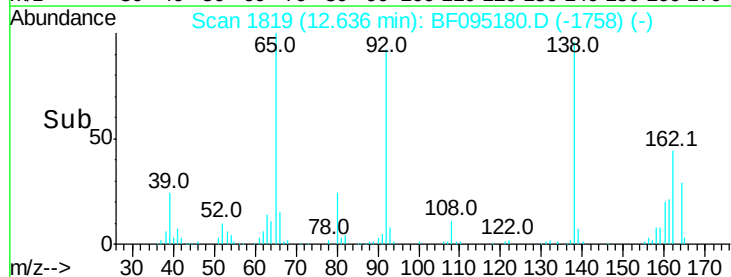
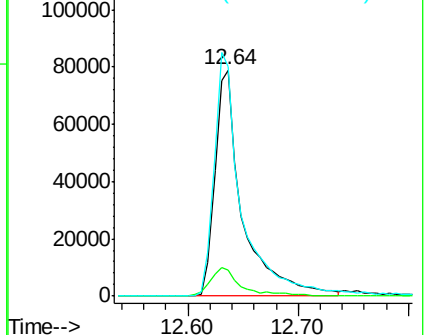
92 101.7 93.8 140.6

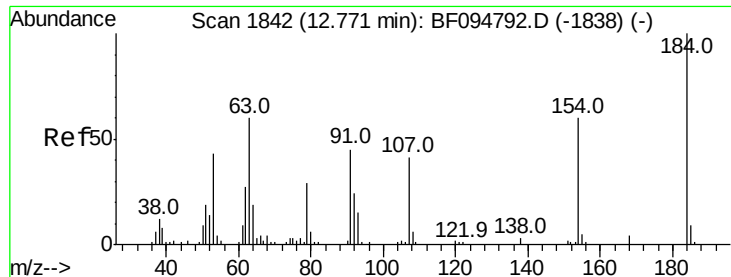


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

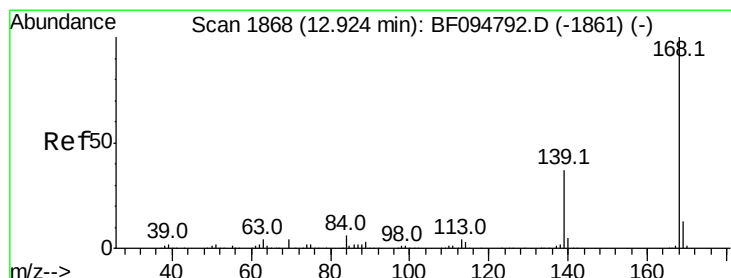
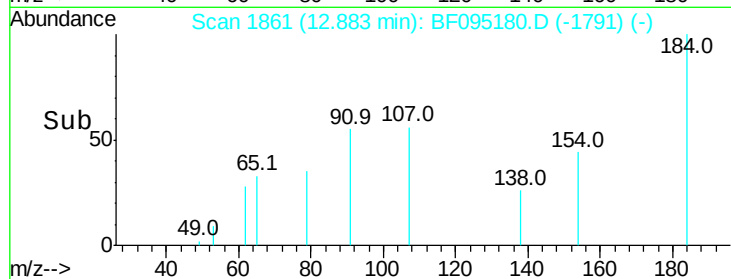
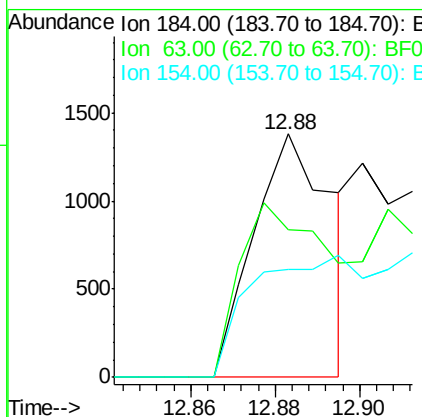
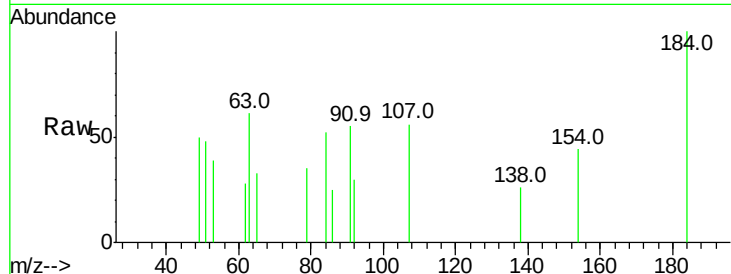




#53  
 2,4-Dinitrophenol  
 Concen: 7.20 ng  
 RT: 12.88 min Scan# 1861  
 Delta R.T. 0.11 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

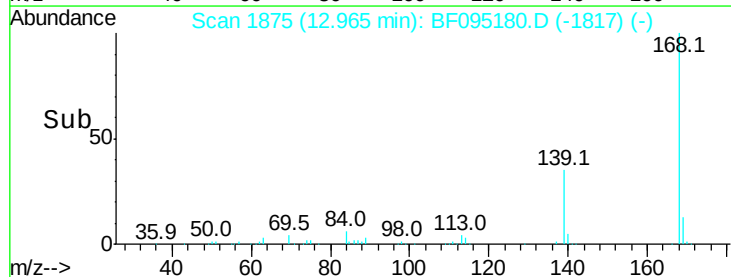
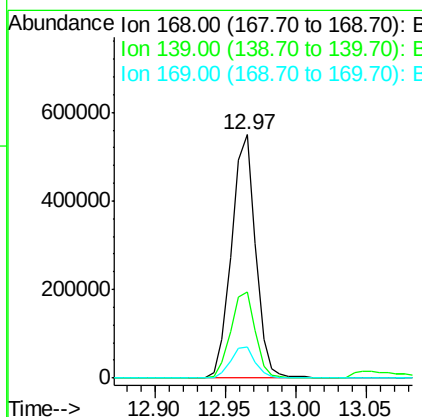
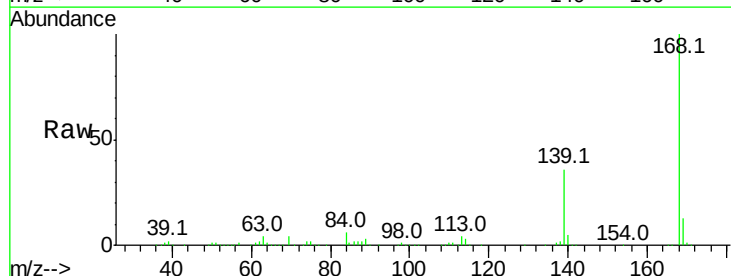
Instrument :  
 BNA\_F  
 ClientSampleId :

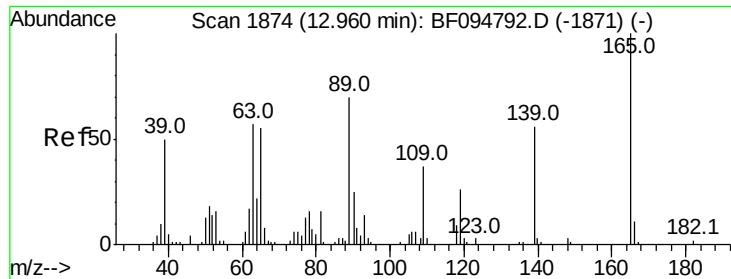
Tot Ion:184 Resp: 1778  
 Ion Ratio Lower Upper  
 184 100  
 63 60.7 62.7 94.1#  
 154 44.2 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 40.01 ng  
 RT: 12.97 min Scan# 1875  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:168 Resp: 655377  
 Ion Ratio Lower Upper  
 168 100  
 139 35.7 30.6 45.8  
 169 12.8 10.8 16.2

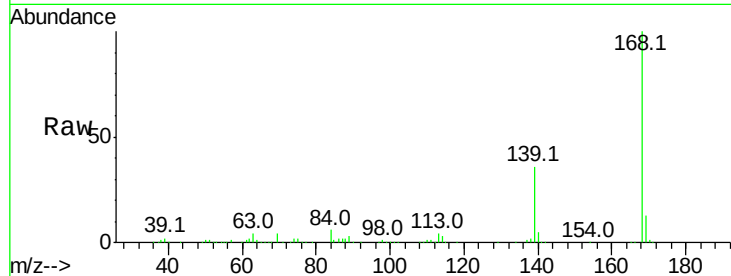




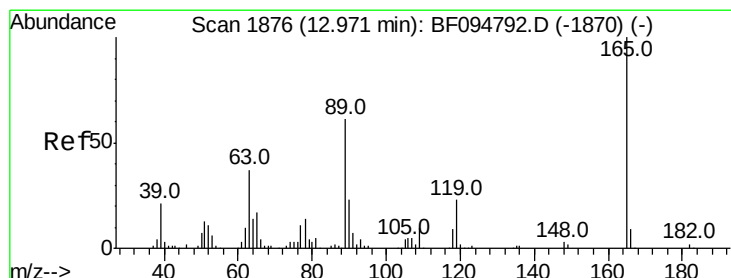
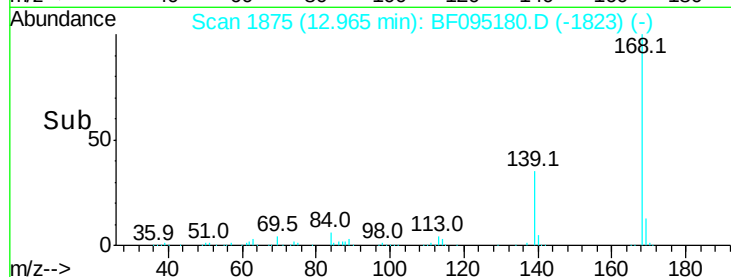
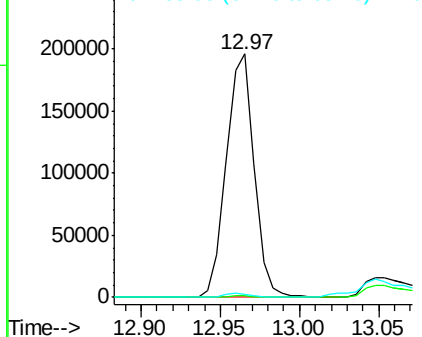
#55  
4-Nitrophenol  
Concen: 118.86 ng  
RT: 12.97 min Scan# 1875  
Delta R.T. 0.01 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 238826  
Ion Ratio Lower Upper  
139 100  
109 0.7 34.1 74.1#  
65 1.3 31.4 71.4#



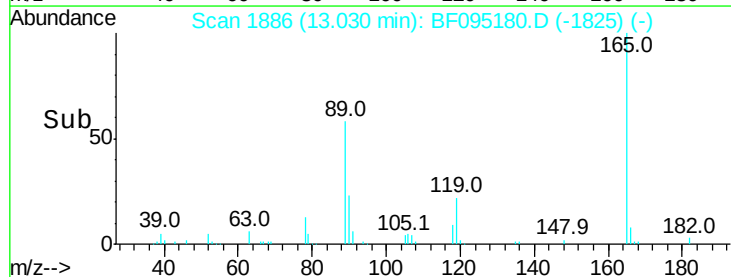
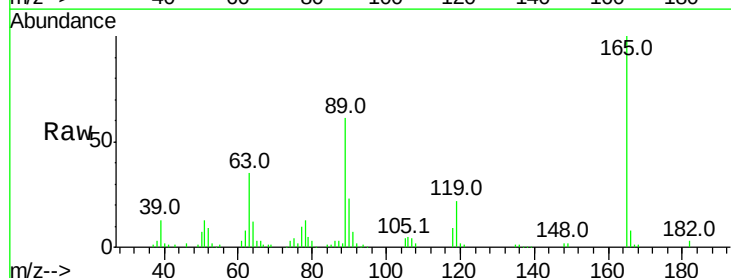
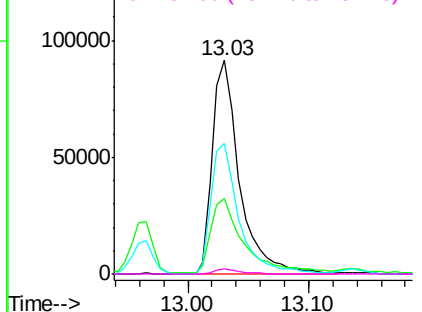
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0



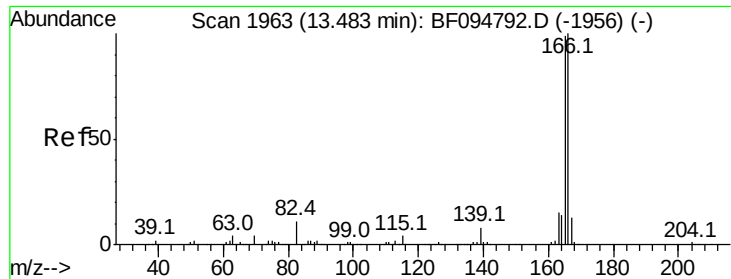
#56  
2,4-Dinitrotoluene  
Concen: 35.69 ng  
RT: 13.03 min Scan# 1886  
Delta R.T. 0.06 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:165 Resp: 142927  
Ion Ratio Lower Upper  
165 100  
63 35.5 25.4 38.0  
89 61.0 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



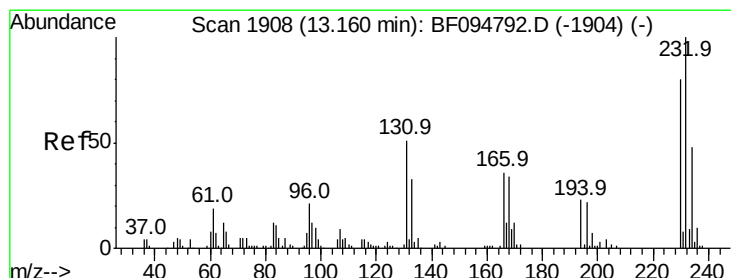
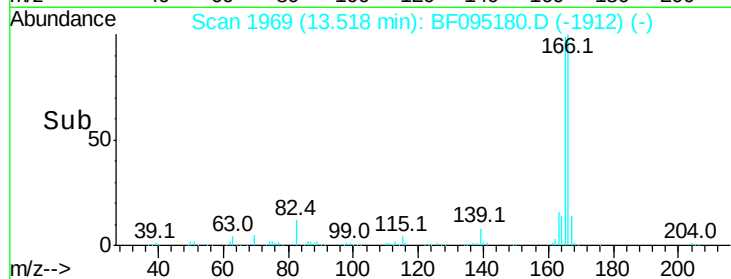
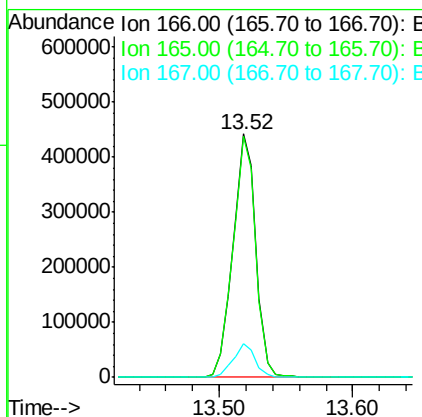
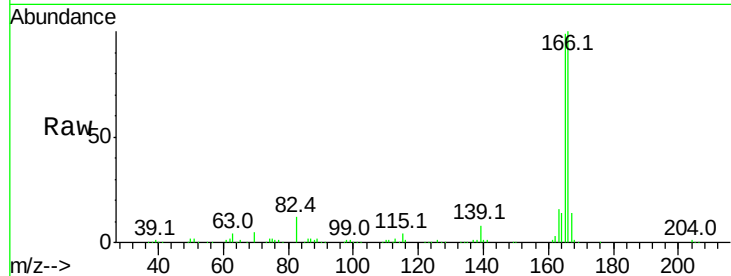




#57  
 Fluorene  
 Concen: 37.20 ng  
 RT: 13.52 min Scan# 1969  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

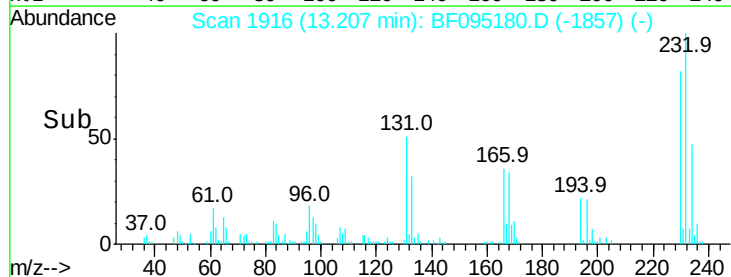
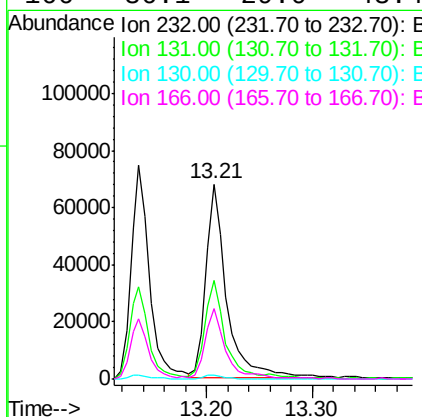
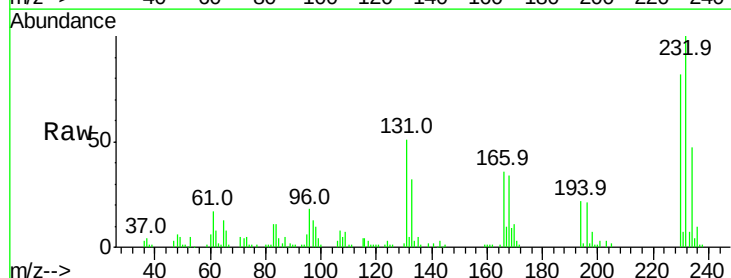
Instrument :  
 BNA\_F  
 ClientSampleId :

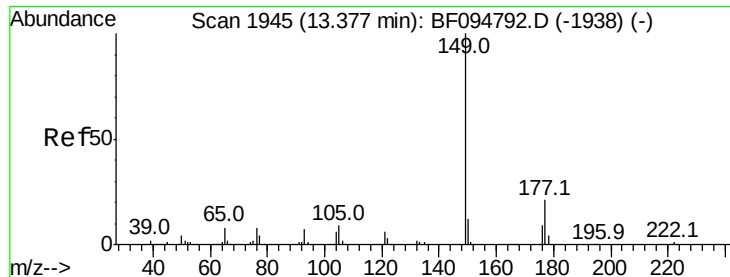
Tot Ion:166 Resp: 529863  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 78.8 118.2  
 167 13.6 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 36.08 ng  
 RT: 13.21 min Scan# 1916  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:232 Resp: 93267  
 Ion Ratio Lower Upper  
 232 100  
 131 52.9 44.8 67.2  
 130 2.1 2.3 3.5#  
 166 36.1 29.0 43.4

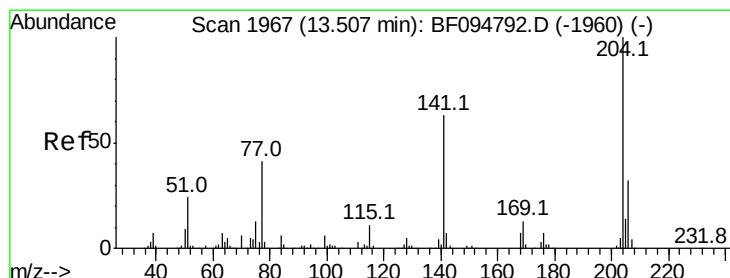
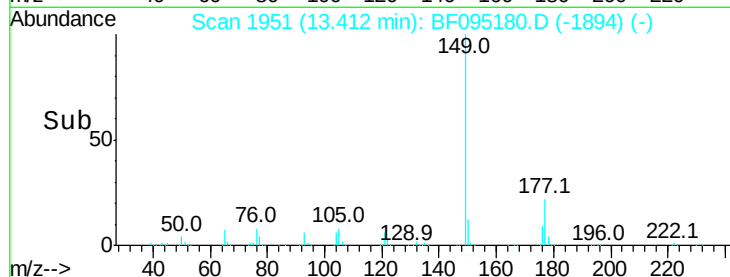
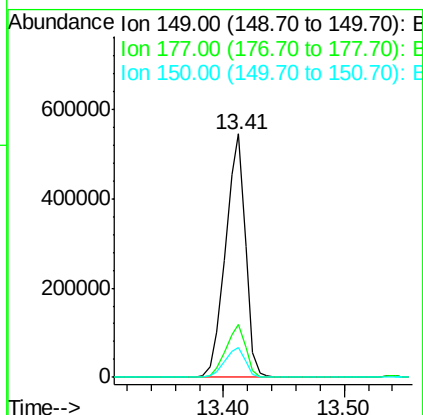
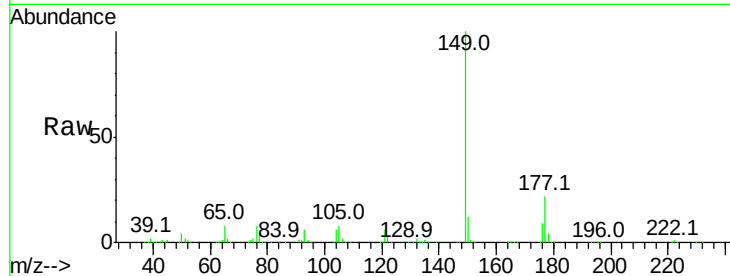




#59  
Diethylphthalate  
Concen: 42.34 ng  
RT: 13.41 min Scan# 1951  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

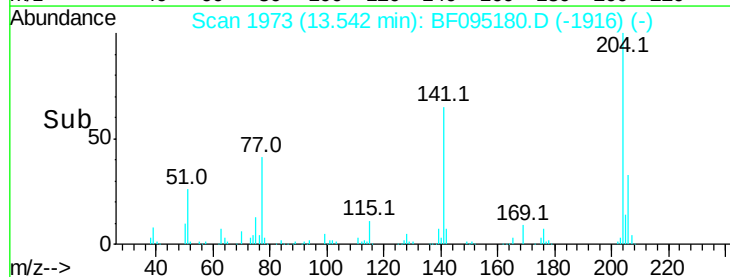
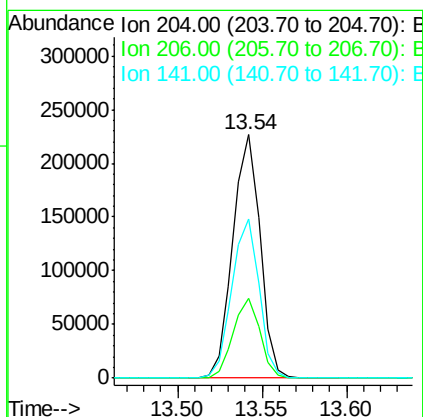
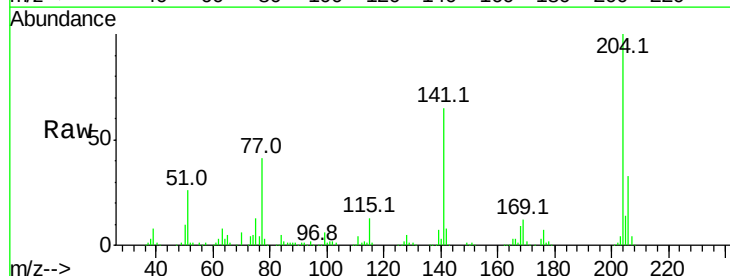
Instrument :  
BNA\_F  
ClientSampled :

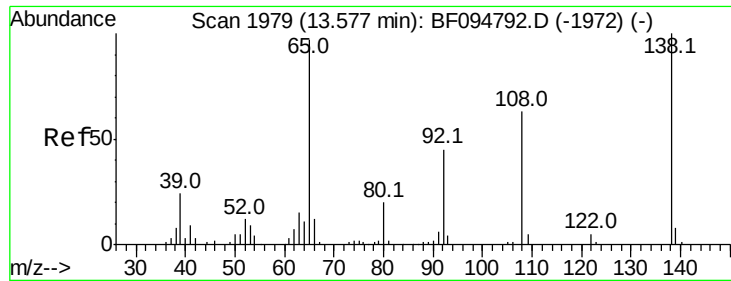
Tot Ion:149 Resp: 619931  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.7 25.1  
150 12.0 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 40.75 ng  
RT: 13.54 min Scan# 1973  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:204 Resp: 255086  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.2  
141 65.3 60.8 91.2

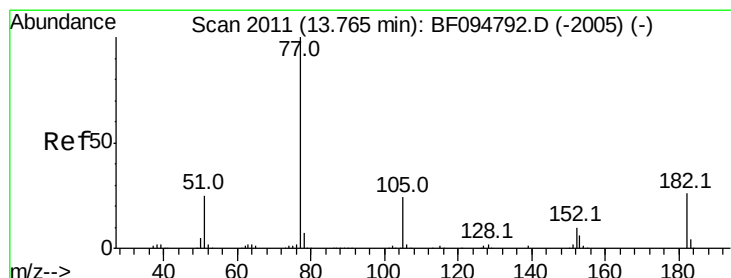
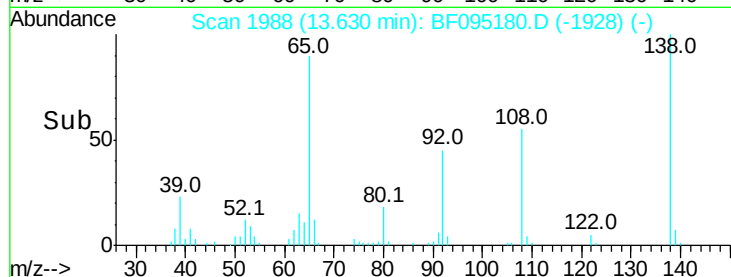
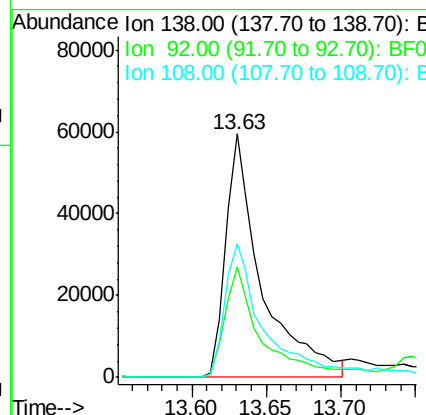
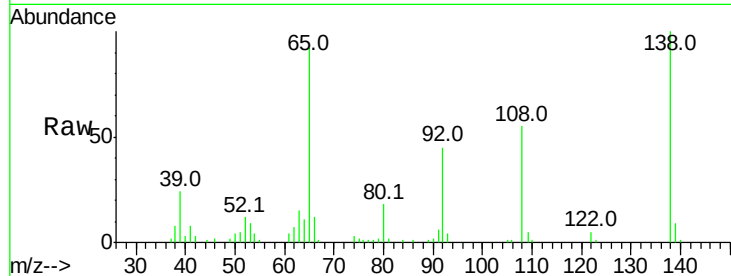




#61  
4-Nitroaniline  
Concen: 32.82 ng  
RT: 13.63 min Scan# 1988  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

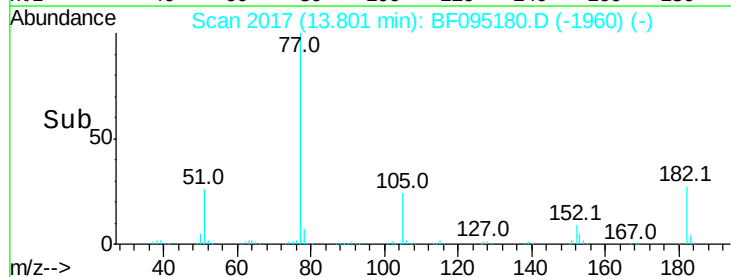
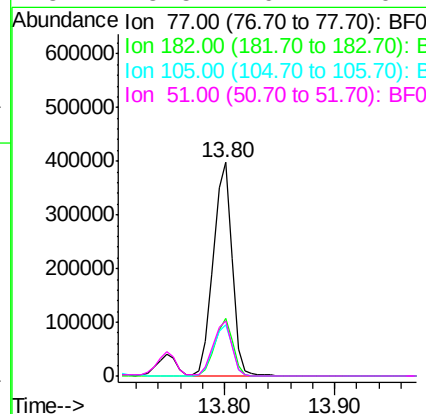
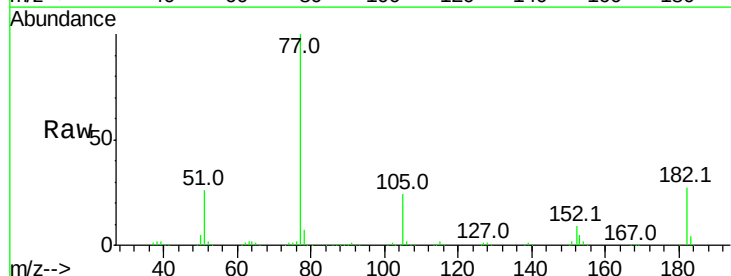
Instrument :  
BNA\_F  
ClientSampleId :

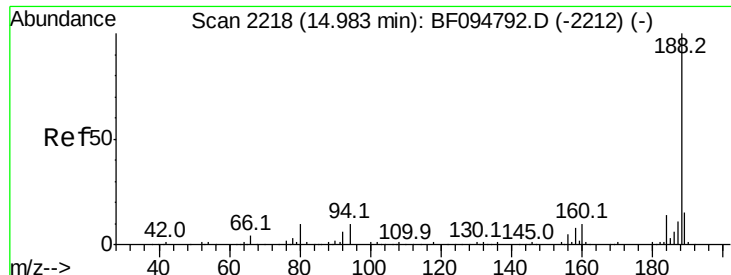
Tot Ion:138 Resp: 100800  
Ion Ratio Lower Upper  
138 100  
92 45.3 21.8 61.8  
108 55.1 42.3 82.3



#62  
Azobenzene  
Concen: 38.99 ng  
RT: 13.80 min Scan# 2017  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion: 77 Resp: 458790  
Ion Ratio Lower Upper  
77 100  
182 26.7 0.1 40.1  
105 24.0 3.6 43.6  
51 25.5 9.4 49.4

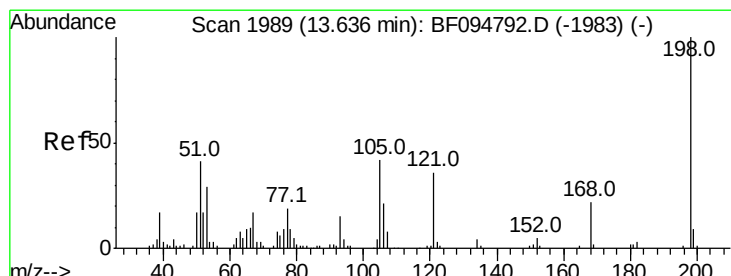
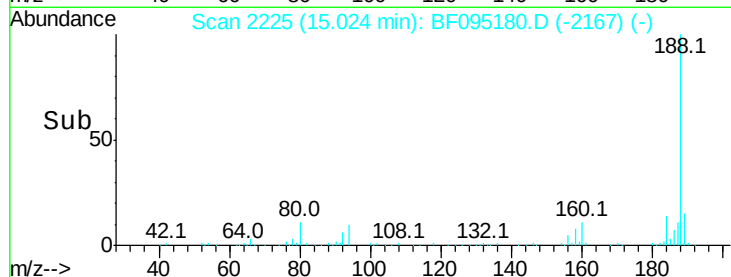
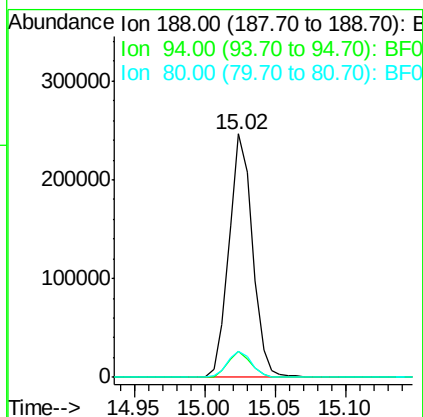
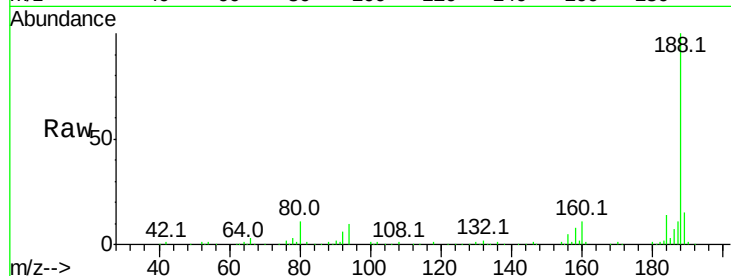




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2225  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

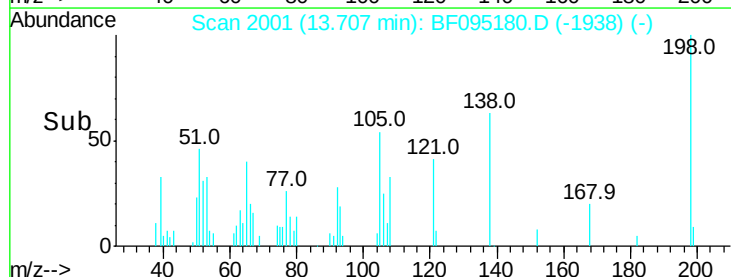
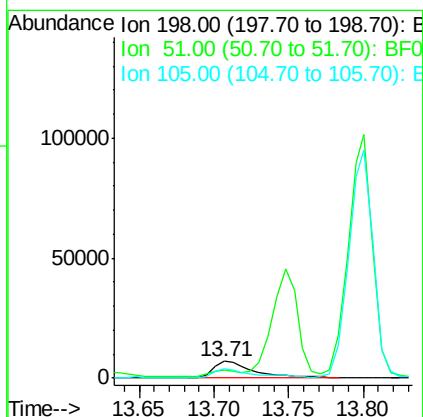
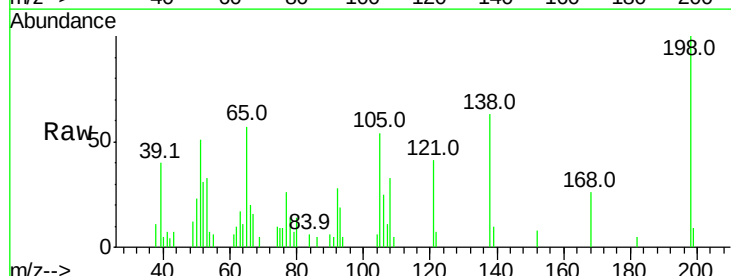
Instrument :  
 BNA\_F  
 ClientSampleId :

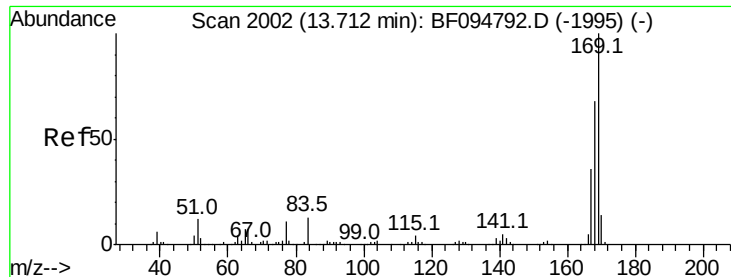
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.5  | 9.4   | 14.2  |
| 80      | 10.9  | 10.2  | 15.2  |



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.97 ng  
 RT: 13.71 min Scan# 2001  
 Delta R.T. 0.07 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 50.7  | 53.2  | 93.2# |
| 105     | 53.9  | 45.8  | 85.8  |





#65

n-Nitrosodiphenylamine

Concen: 44.79 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

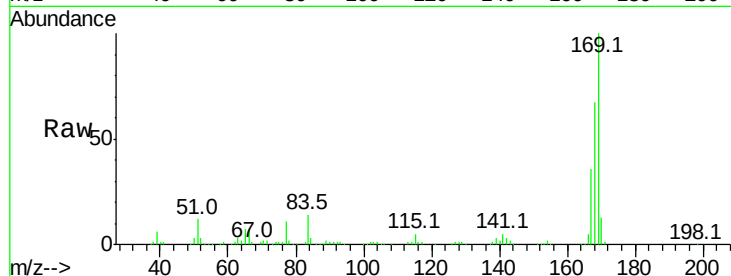
Tot Ion:169 Resp: 465034

Ion Ratio Lower Upper

169 100

168 66.9 53.2 79.8

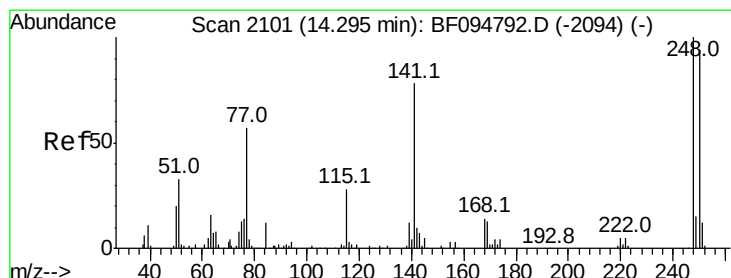
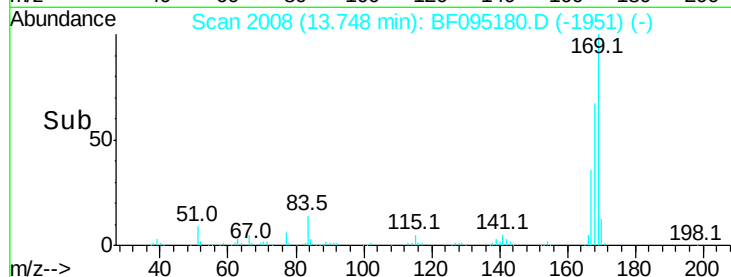
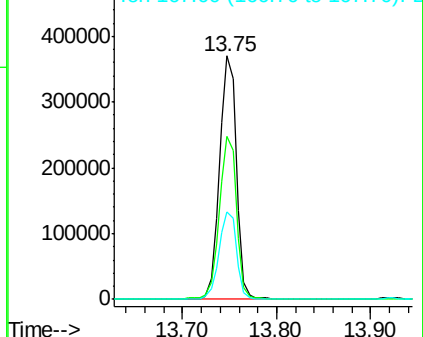
167 35.9 29.5 44.3



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: 43.62 ng

RT: 14.33 min Scan# 2107

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

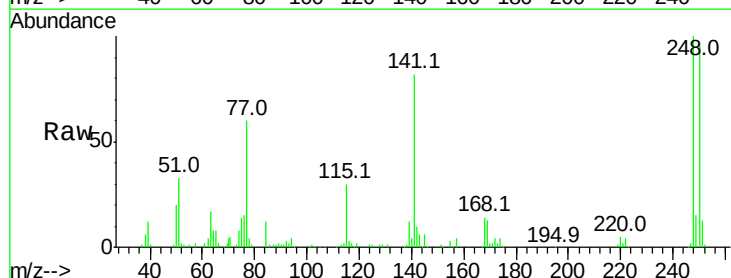
Tgt Ion:248 Resp: 131834

Ion Ratio Lower Upper

248 100

250 95.7 76.8 115.2

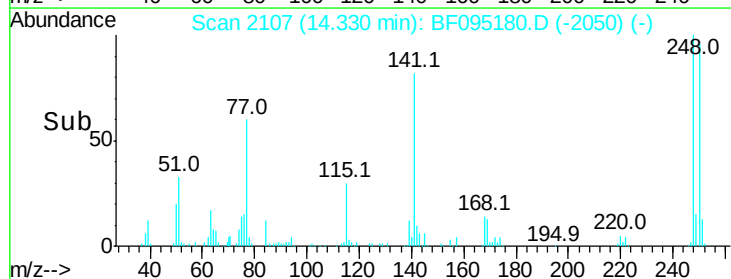
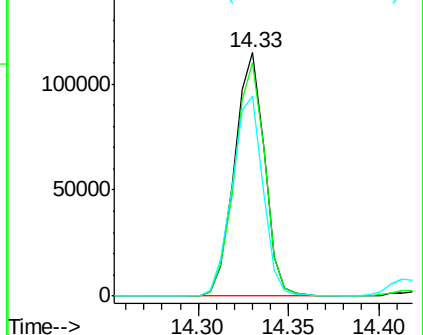
141 82.0 68.6 103.0

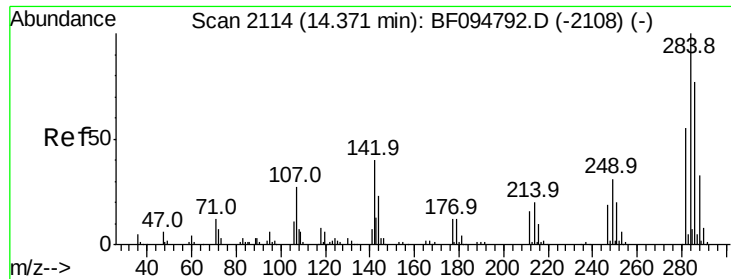


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

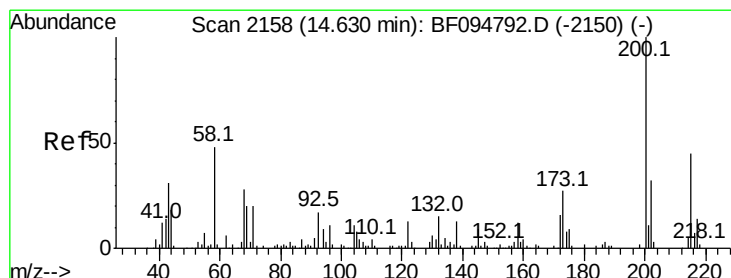
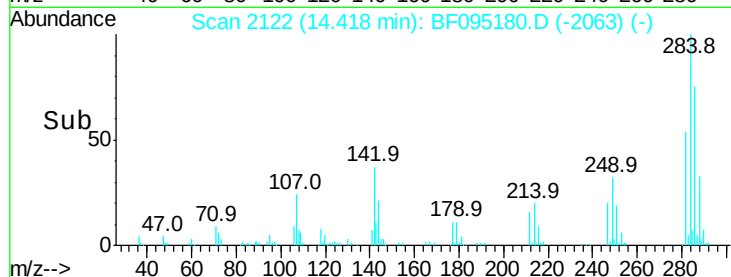
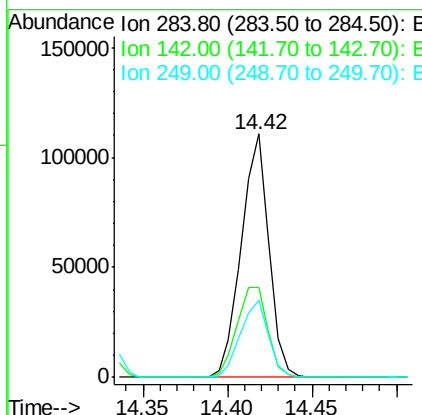
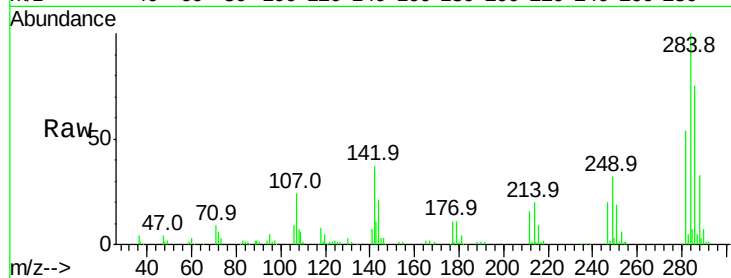




#67  
Hexachlorobenzene  
Concen: 40.95 ng  
RT: 14.42 min Scan# 2122  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

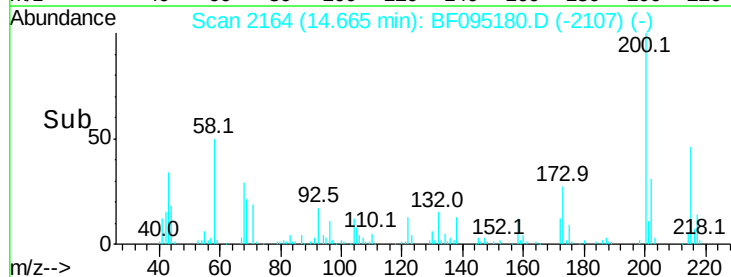
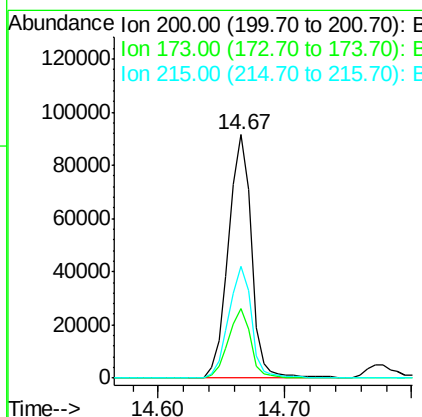
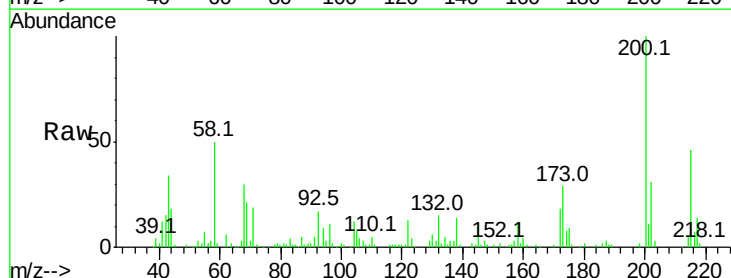
Instrument :  
BNA\_F  
ClientSampleId :

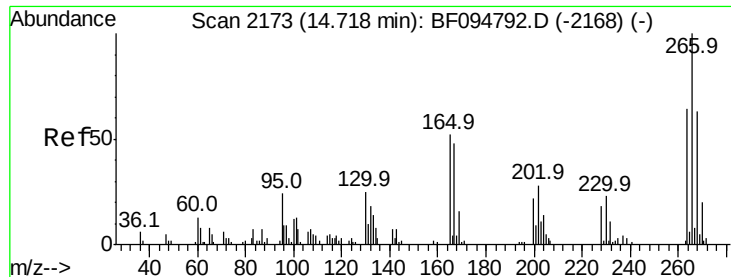
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.0  | 22.8  | 34.2# |
| 249     | 31.6  | 24.0  | 36.0  |



#68  
Atrazine  
Concen: 39.18 ng  
RT: 14.67 min Scan# 2164  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.7  | 6.3   | 46.3  |
| 215     | 45.8  | 27.2  | 67.2  |

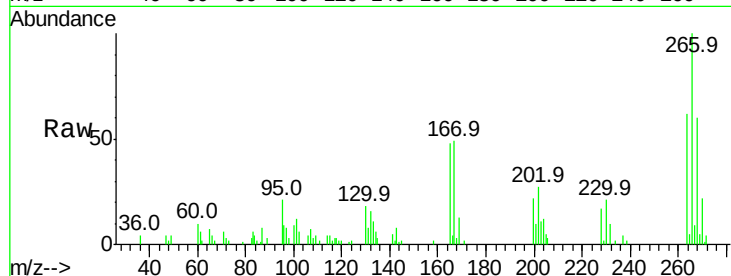




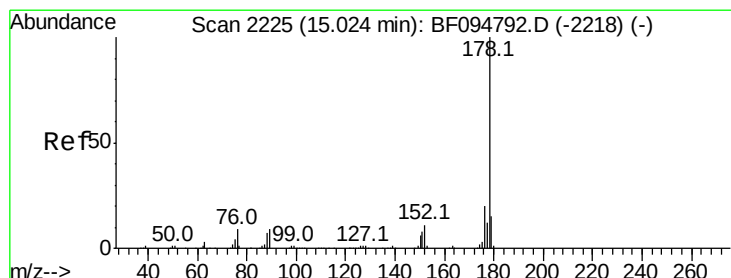
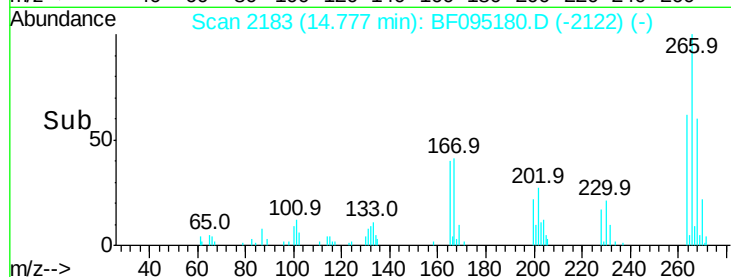
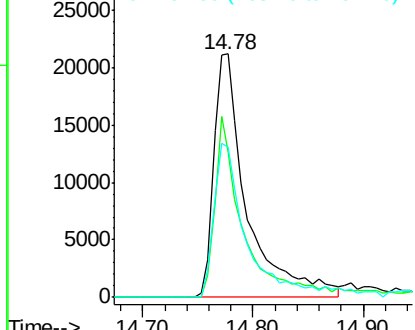
#69  
 Pentachlorophenol  
 Concen: 34.86 ng  
 RT: 14.78 min Scan# 2183  
 Delta R.T. 0.06 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 43816  
 Ion Ratio Lower Upper  
 266 100  
 268 59.8 51.1 76.7  
 264 61.8 51.7 77.5

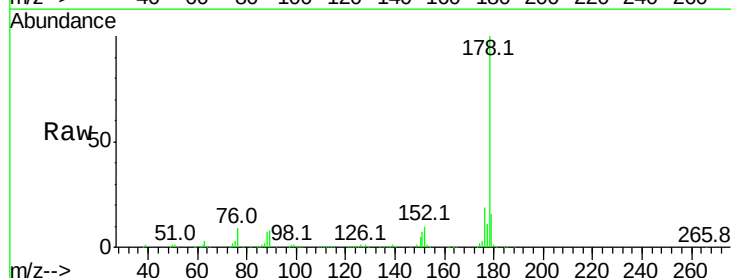


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

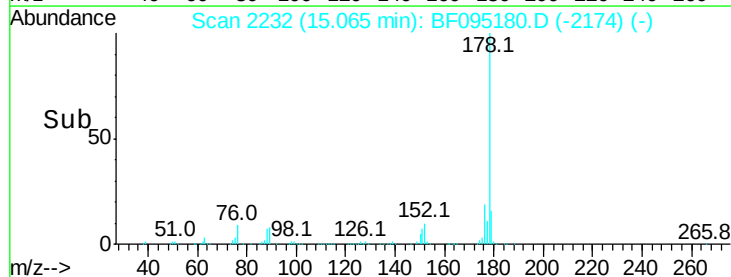
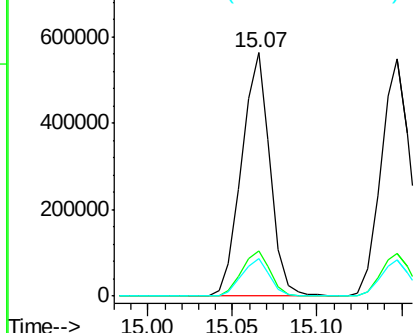


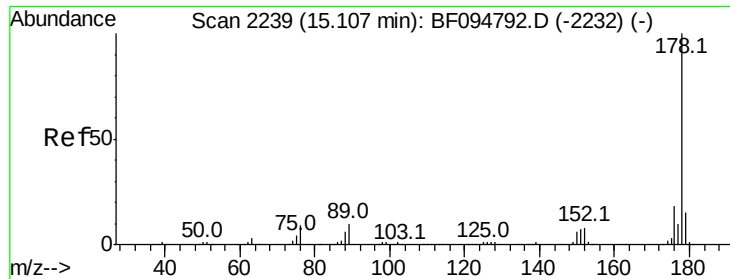
#70  
 Phenanthrene  
 Concen: 40.14 ng  
 RT: 15.07 min Scan# 2232  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:178 Resp: 659648  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 16.2 24.4  
 179 15.5 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

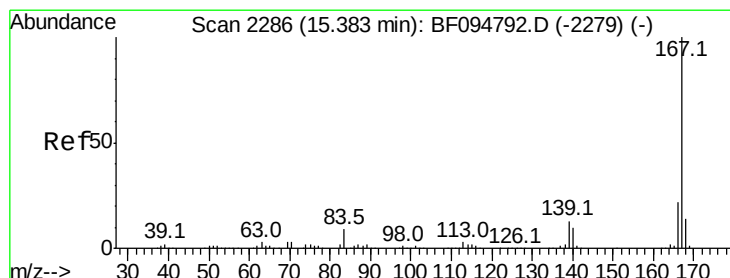
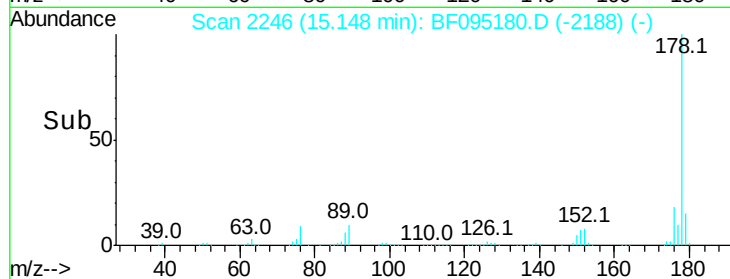
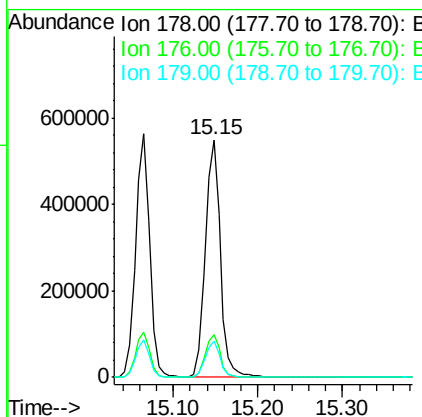
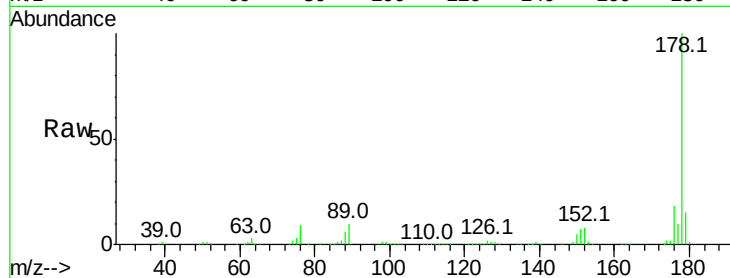




#71  
 Anthracene  
 Concen: 40.62 ng  
 RT: 15.15 min Scan# 2246  
 Delta R.T. 0.04 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

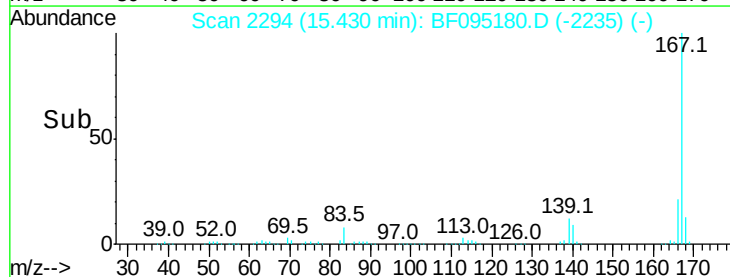
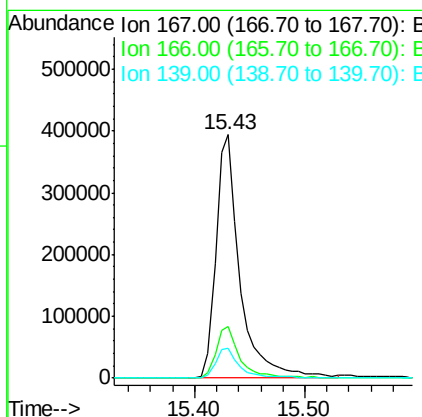
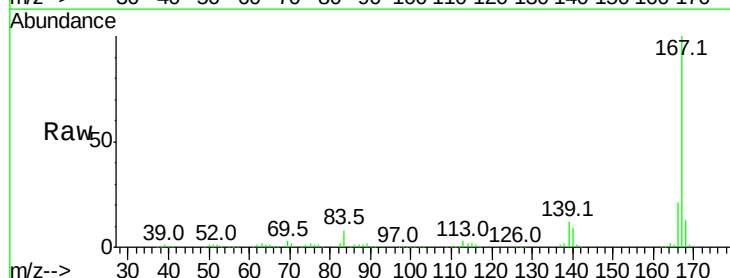
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 681929  
 Ion Ratio Lower Upper  
 178 100  
 176 18.1 15.8 23.8  
 179 15.1 12.7 19.1

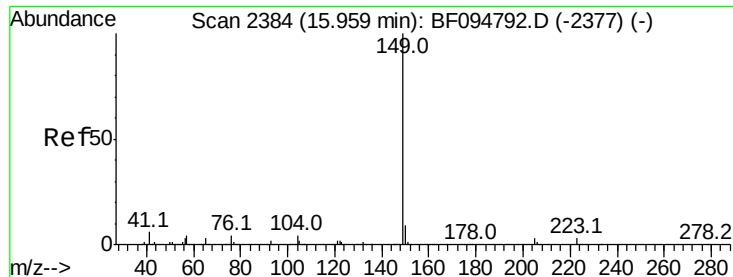


#72  
 Carbazole  
 Concen: 38.91 ng  
 RT: 15.43 min Scan# 2294  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:167 Resp: 594371  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 18.1 27.1  
 139 12.4 11.7 17.5







#73

Di-n-butylphthalate

Concen: 45.68 ng

RT: 15.99 min Scan# 2389

Delta R.T. 0.03 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

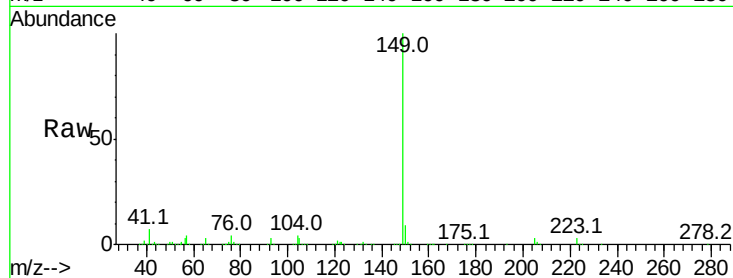
Tot Ion:149 Resp: 870109

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

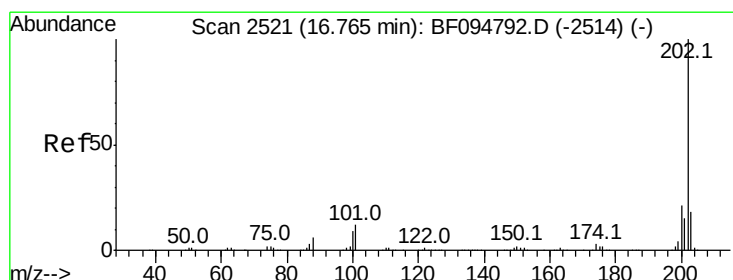
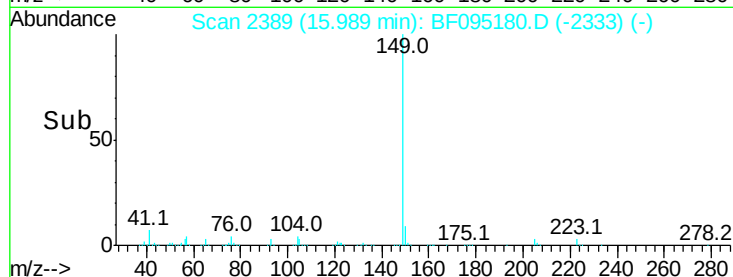
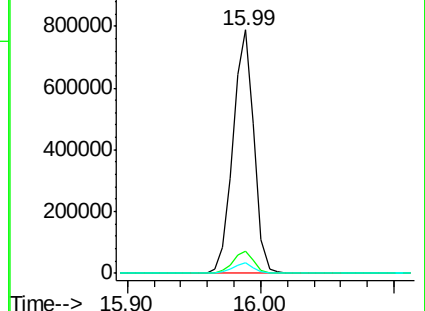
104 4.3 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.08 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

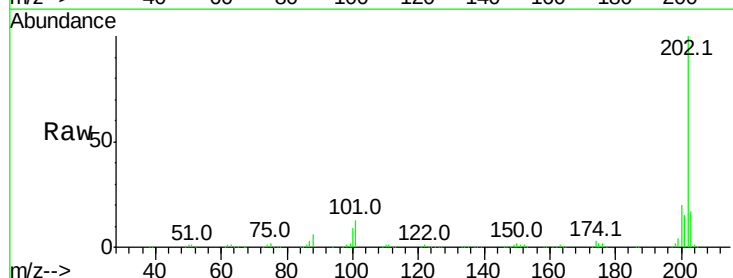
Tgt Ion:202 Resp: 692663

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

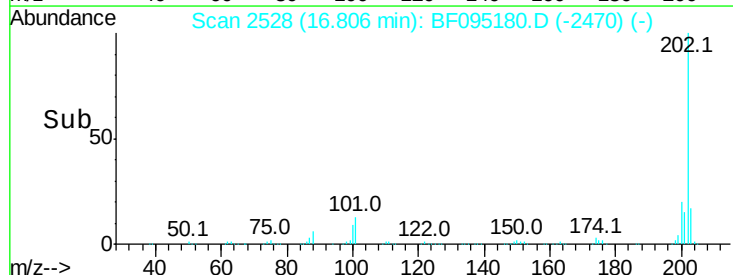
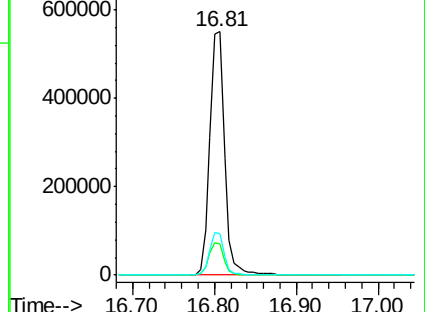
203 17.0 0.0 38.1

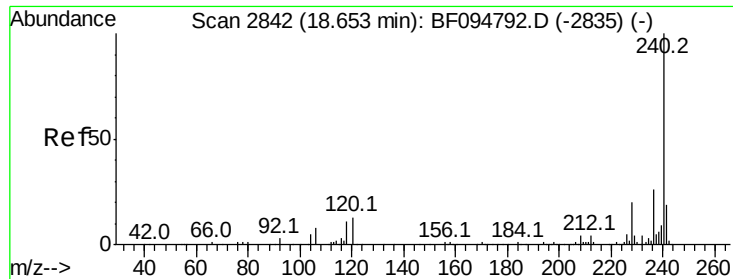


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

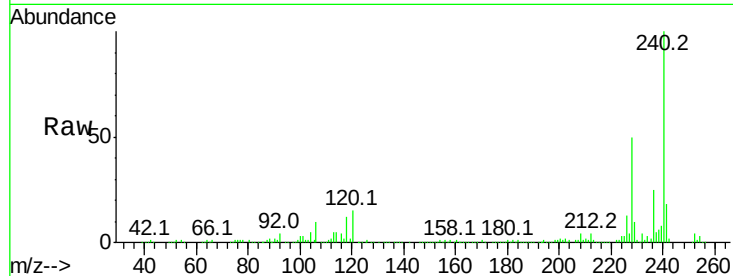
Tot Ion:240 Resp: 247029

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

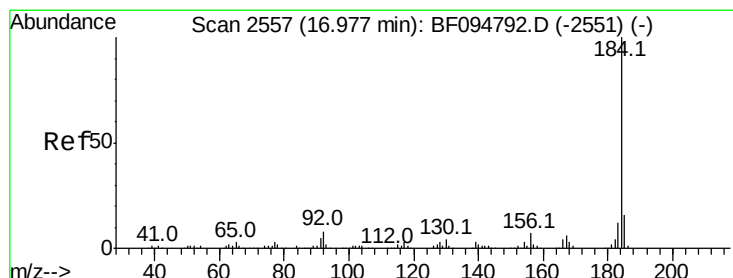
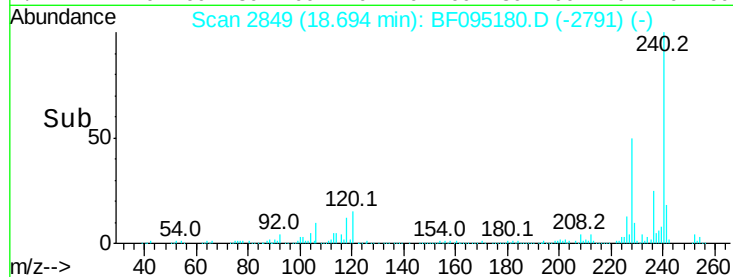
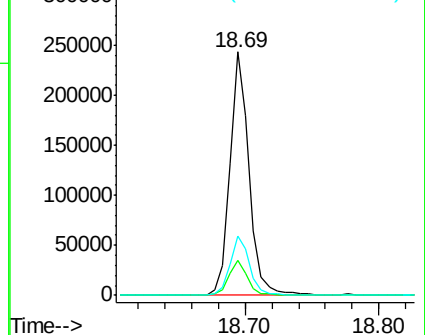
236 24.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.15 ng

RT: 17.03 min Scan# 2566

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

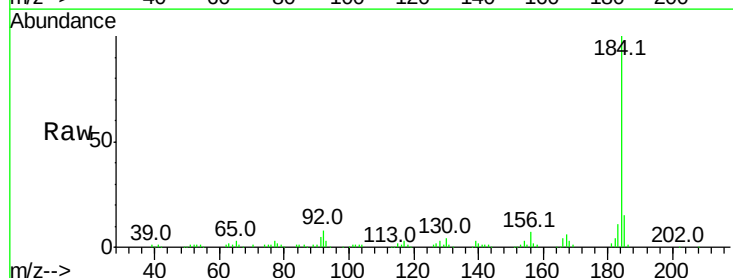
Tgt Ion:184 Resp: 221206

Ion Ratio Lower Upper

184 100

185 14.6 15.5 23.3#

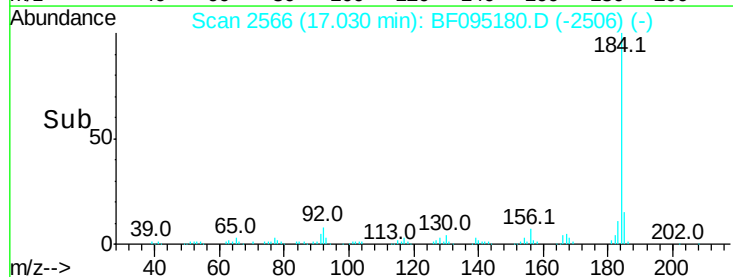
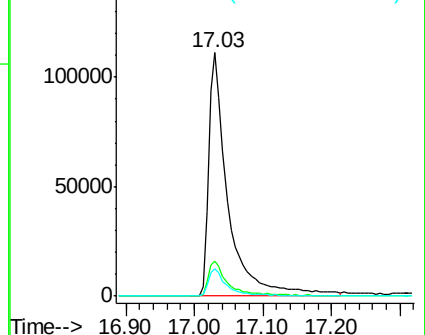
183 11.1 9.8 14.6

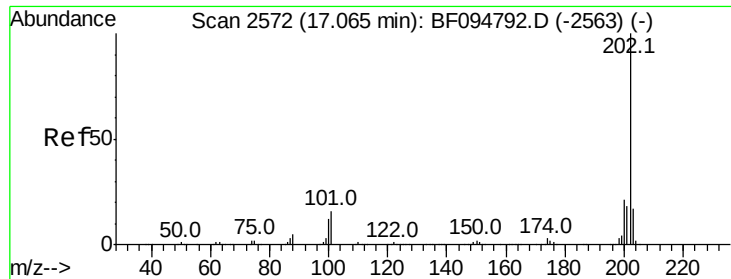


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

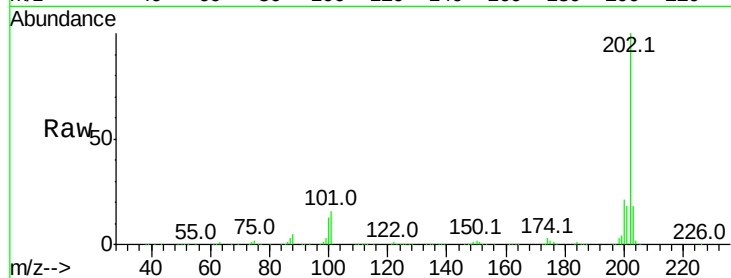




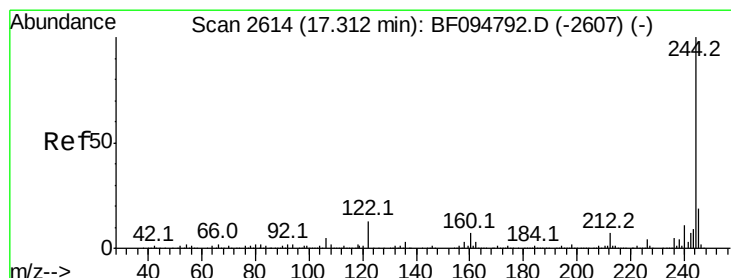
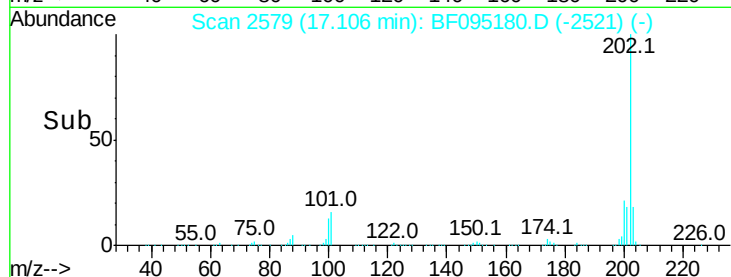
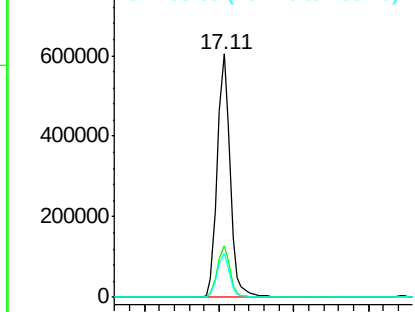
#77  
Pvrene  
Concen: 39.15 ng  
RT: 17.11 min Scan# 2579  
Delta R.T. 0.04 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 723316  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.6 26.4  
203 18.2 14.4 21.6

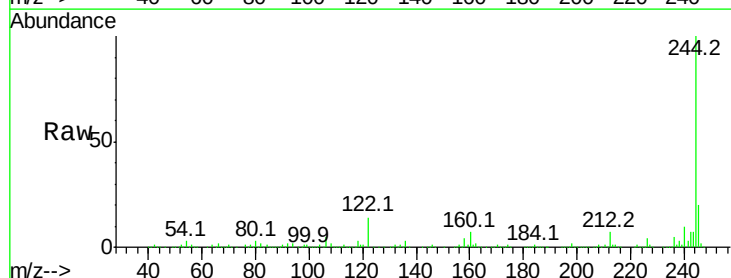


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

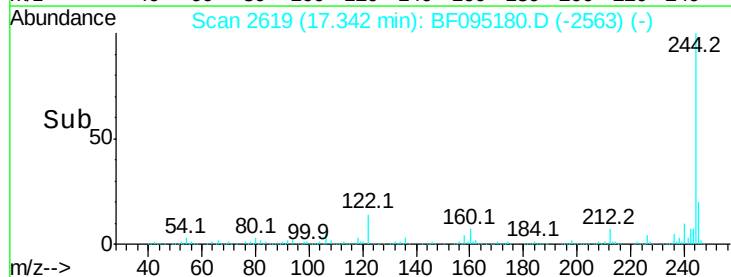
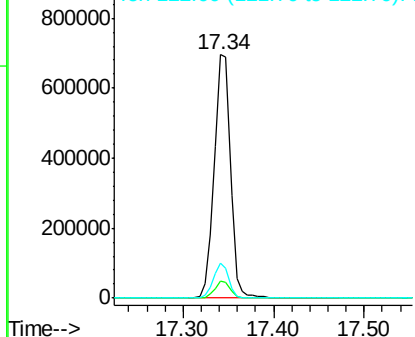


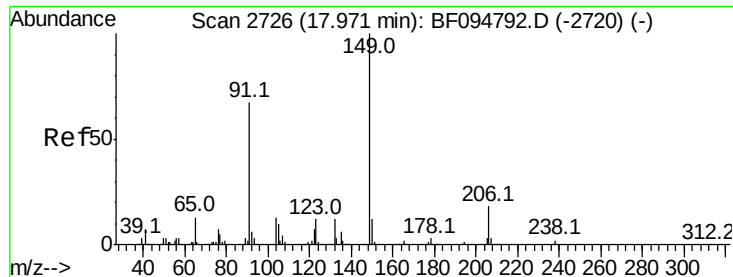
#78  
Terphenyl-d14  
Concen: 77.30 ng  
RT: 17.34 min Scan# 2619  
Delta R.T. 0.03 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:244 Resp: 866963  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 14.5 10.3 15.5



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





#79

Butylbenzylphthalate

Concen: 39.65 ng

RT: 18.00 min Scan# 2731

Delta R.T. 0.03 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

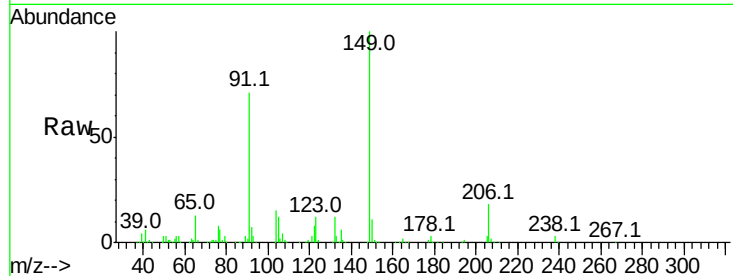
Tot Ion:149 Resp: 340709

Ion Ratio Lower Upper

149 100

91 71.0 45.0 67.4#

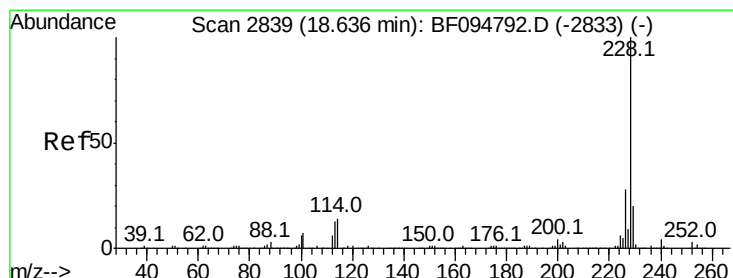
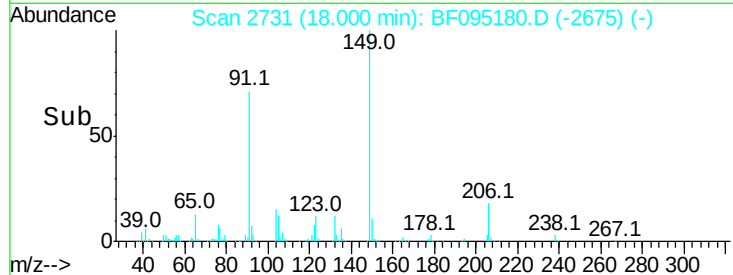
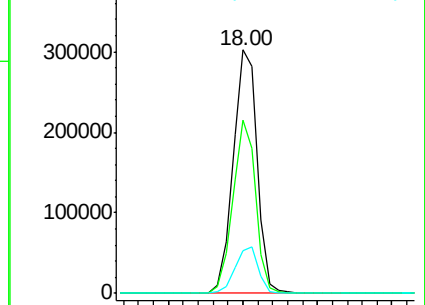
206 17.6 17.0 25.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 37.00 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.05 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

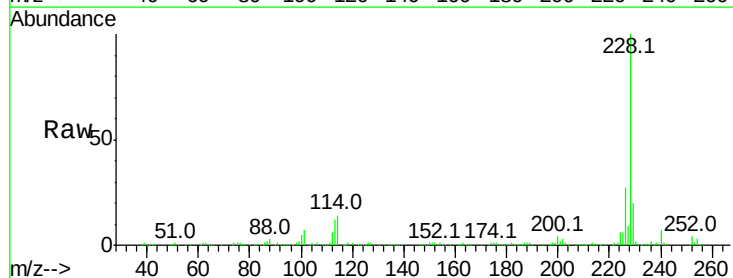
Tgt Ion:228 Resp: 531969

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

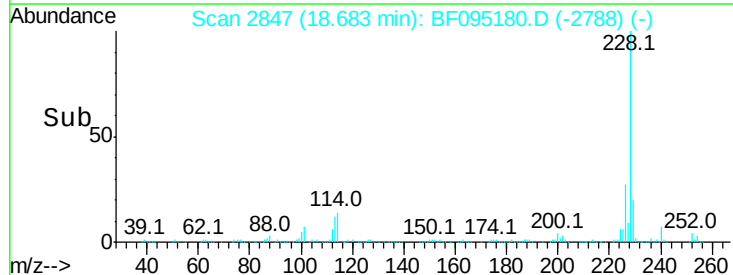
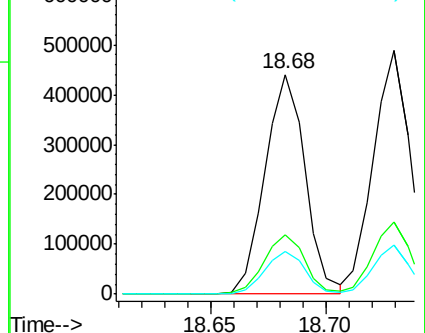
229 19.7 16.3 24.5

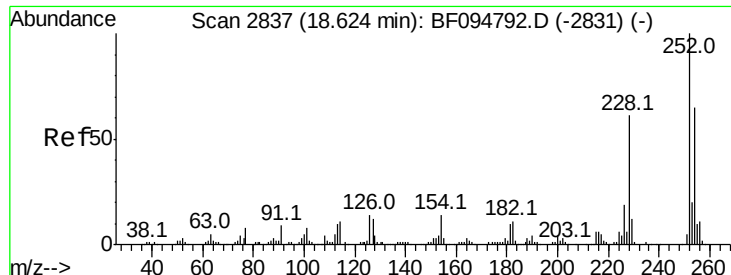


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 40.41 ng

RT: 18.66 min Scan# 2843

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

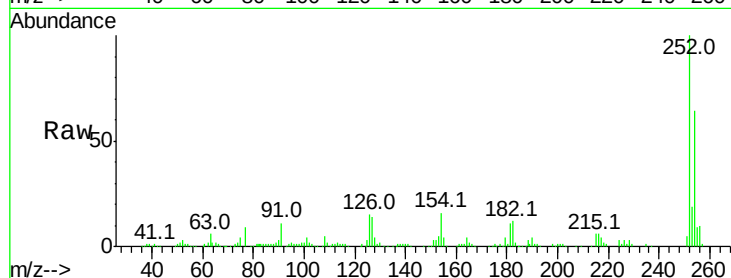
Tot Ion:252 Resp: 200633

Ion Ratio Lower Upper

252 100

254 63.9 51.5 77.3

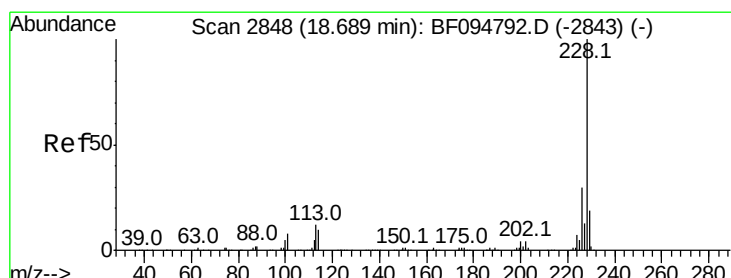
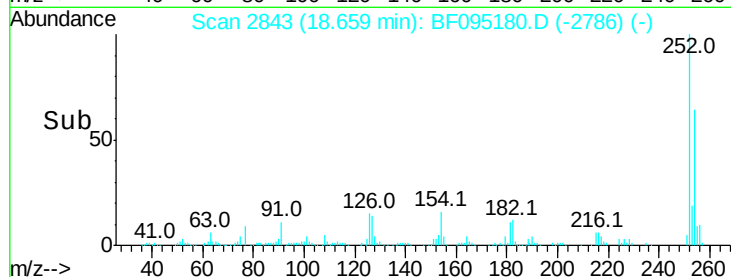
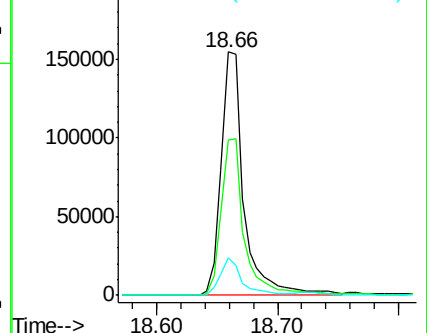
126 15.5 15.8 23.8#



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: 40.76 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.04 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

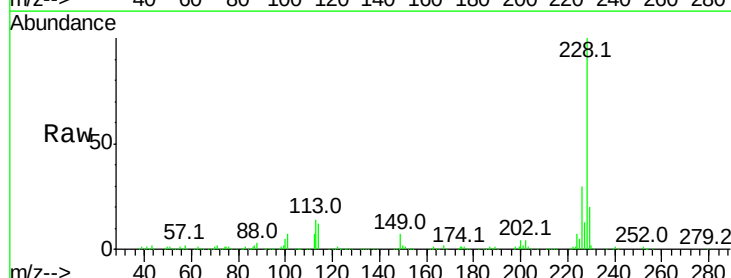
Tgt Ion:228 Resp: 566691

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

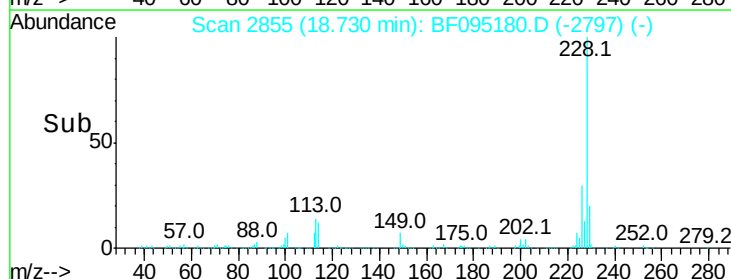
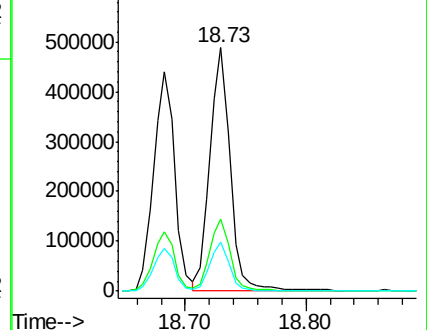
229 20.2 15.8 23.6

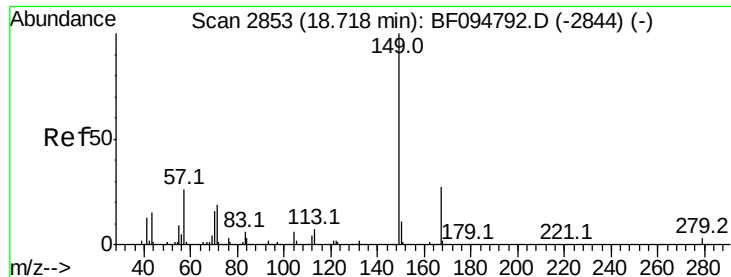


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

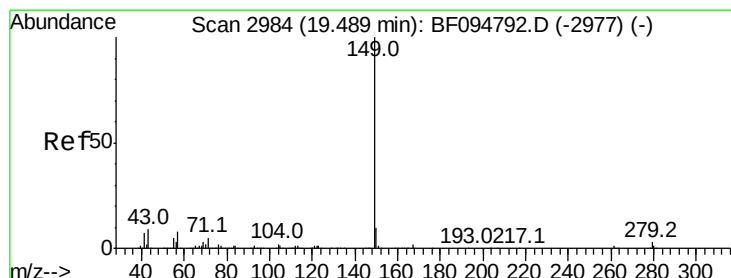
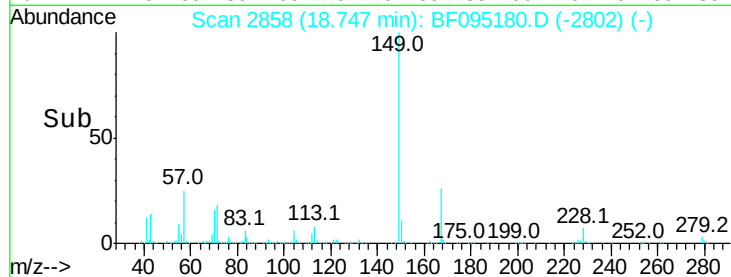
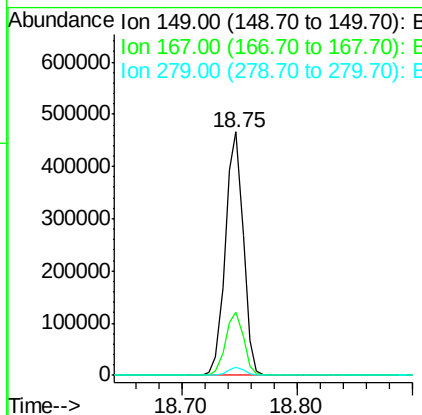
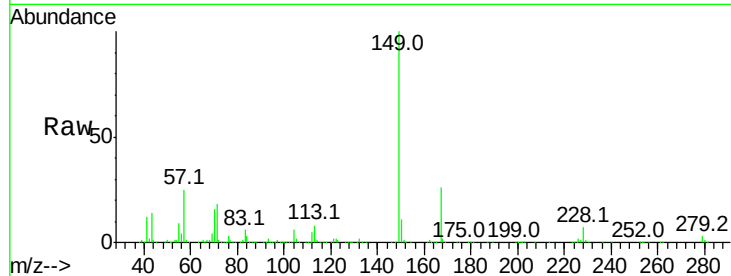




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.82 ng  
 RT: 18.75 min Scan# 2858  
 Delta R.T. 0.03 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

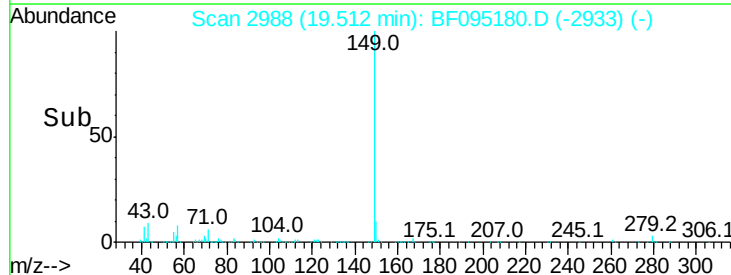
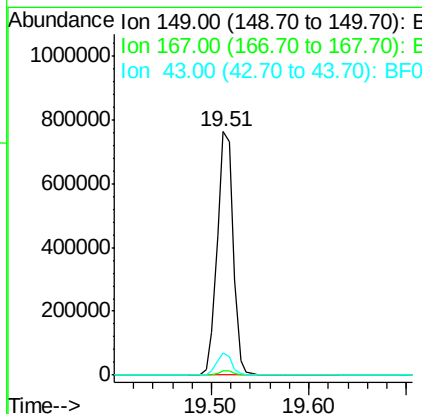
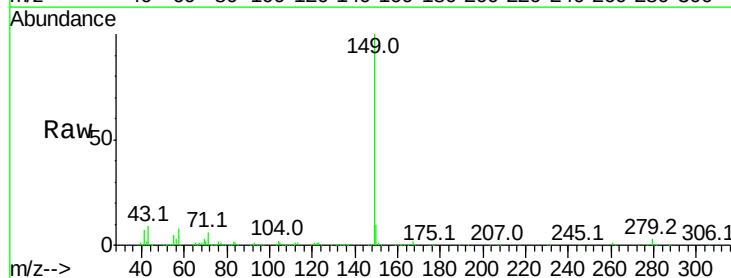
Instrument :  
 BNA\_F  
 ClientSampleId :

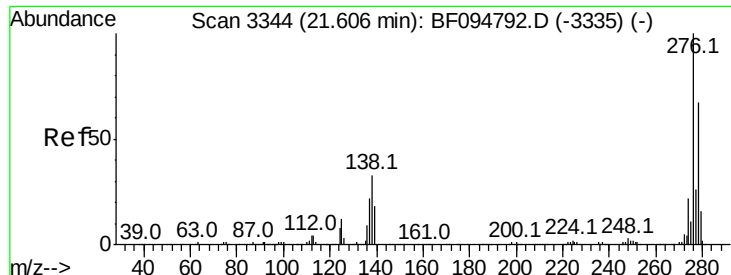
Tot Ion:149 Resp: 499827  
 Ion Ratio Lower Upper  
 149 100  
 167 26.2 21.0 31.4  
 279 3.3 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 43.11 ng  
 RT: 19.51 min Scan# 2988  
 Delta R.T. 0.02 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:149 Resp: 865420  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 8.9 8.5 12.7

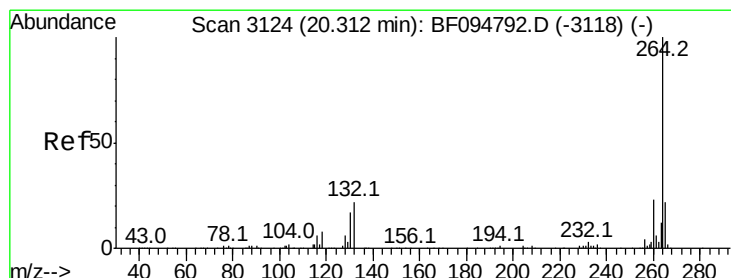
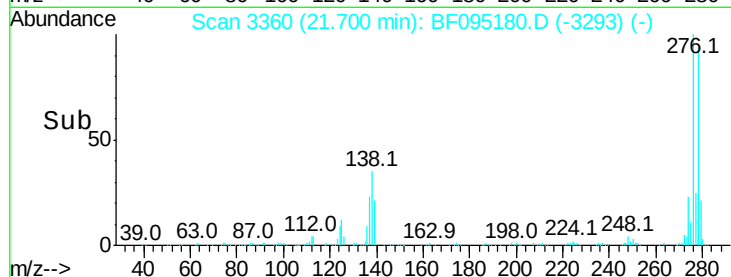
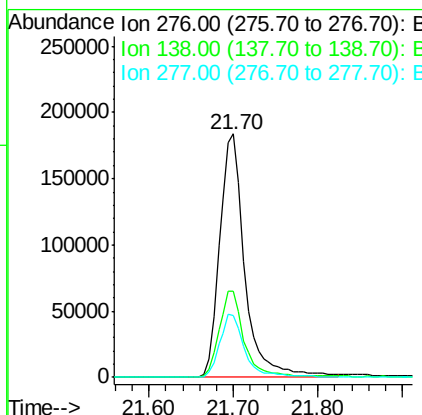
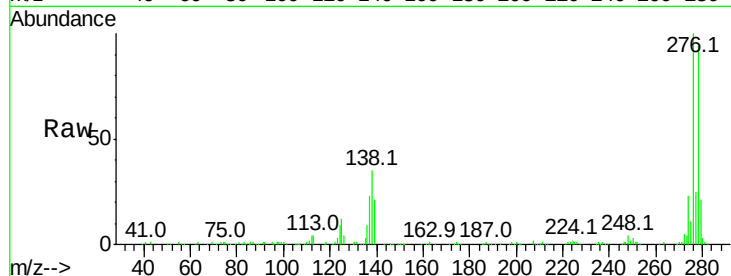




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 33.74 ng  
 RT: 21.70 min Scan# 3360  
 Delta R.T. 0.09 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

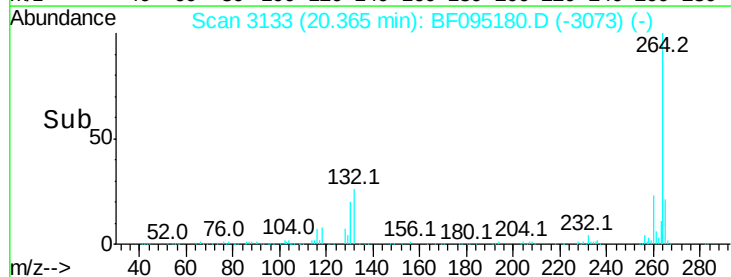
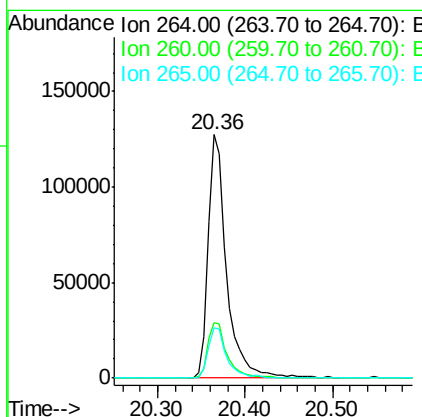
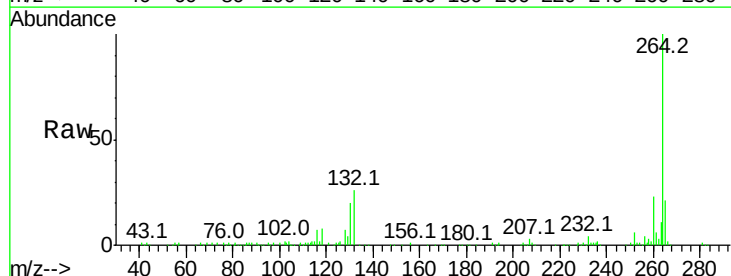
Instrument :  
 BNA\_F  
 ClientSampled :

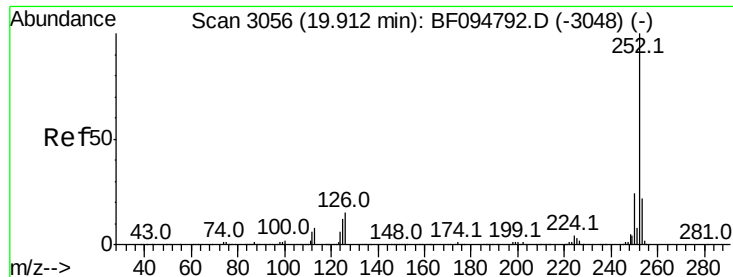
Tot Ion:276 Resp: 380894  
 Ion Ratio Lower Upper  
 276 100  
 138 35.7 27.8 41.6  
 277 25.9 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.36 min Scan# 3133  
 Delta R.T. 0.05 min  
 Lab File: BF095180.D  
 Acq: 17 May 2017 4:33

Tgt Ion:264 Resp: 187254  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 19.5 29.3  
 265 20.8 17.2 25.8

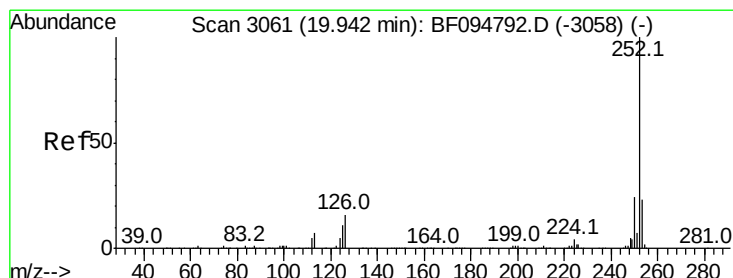
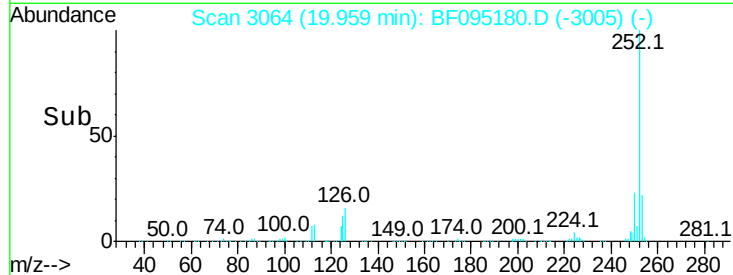
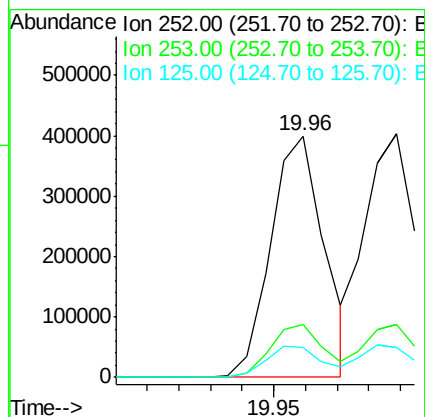
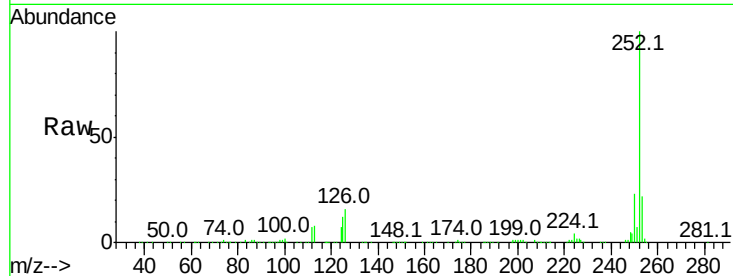




#87  
Benzo(b)fluoranthene  
Concen: 40.36 ng  
RT: 19.96 min Scan# 3064  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

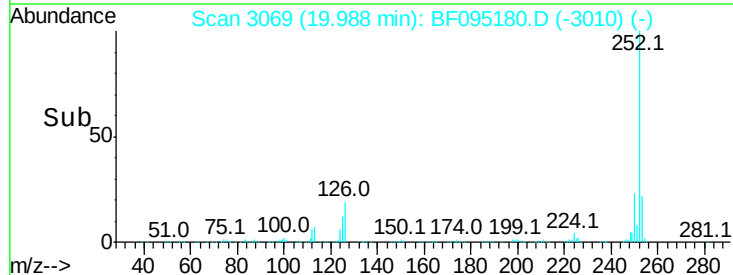
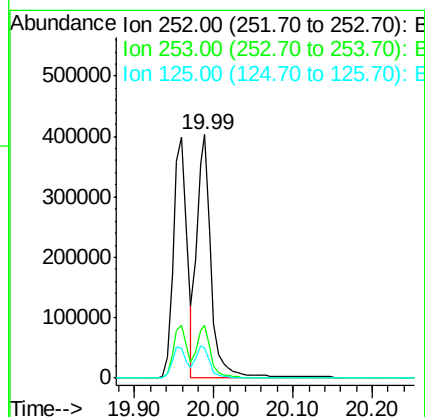
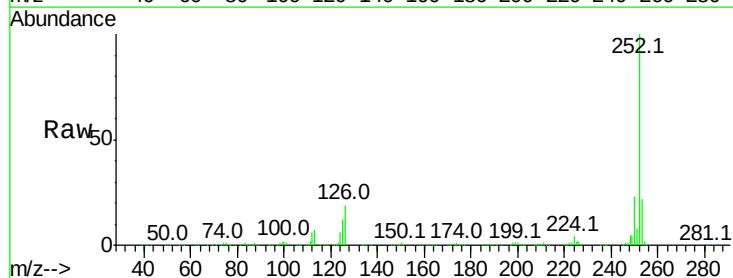
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 467049  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.1 27.1  
125 12.4 9.8 14.8

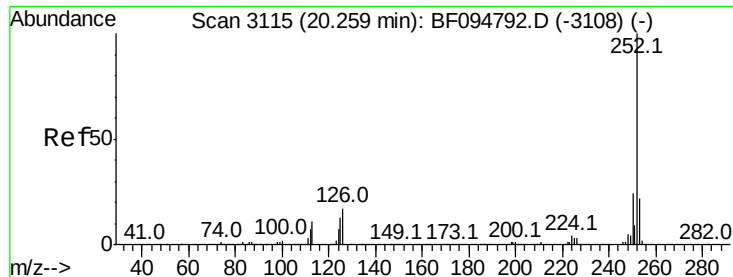


#88  
Benzo(k)fluoranthene  
Concen: 45.19 ng  
RT: 19.99 min Scan# 3069  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:252 Resp: 504365  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.4 27.6  
125 12.4 13.1 19.7#



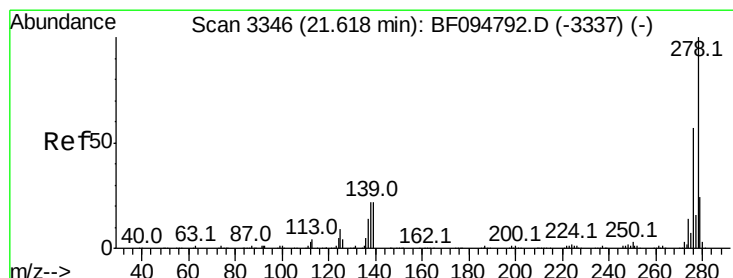
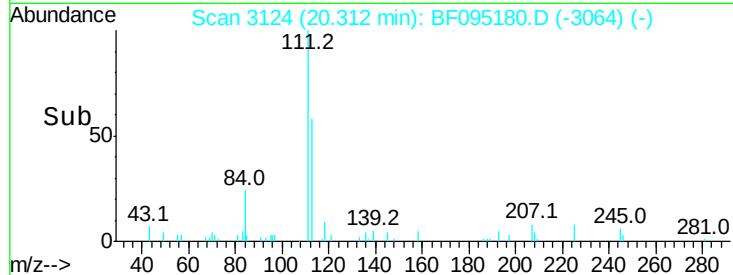
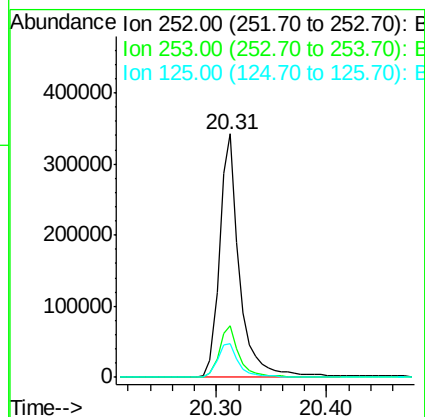
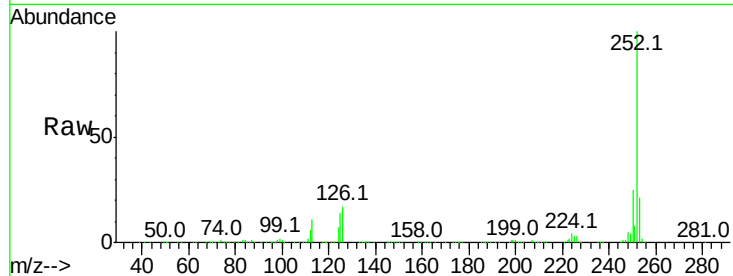




#89  
Benzo(a)pyrene  
Concen: 39.56 ng  
RT: 20.31 min Scan# 3124  
Delta R.T. 0.05 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

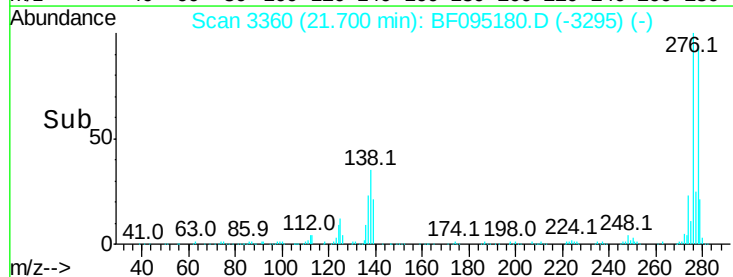
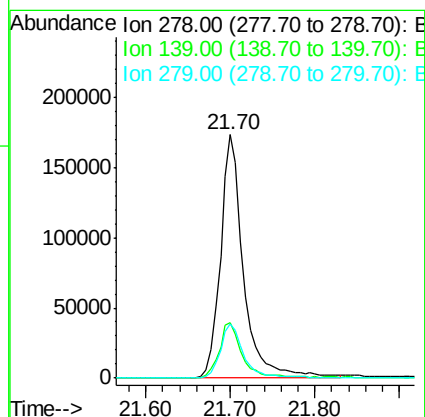
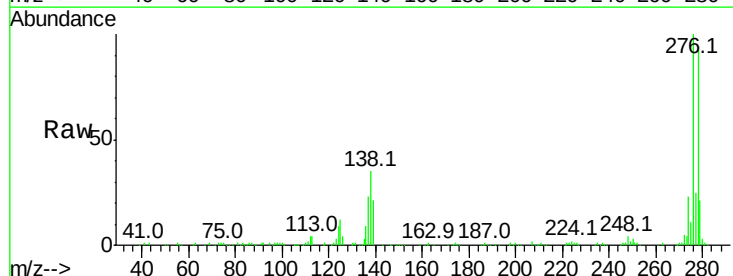
Instrument :  
BNA\_F  
ClientSampleId :

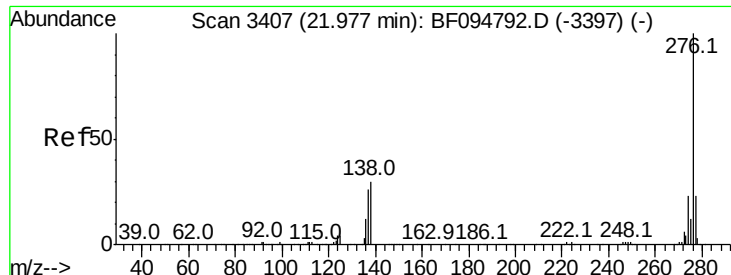
Tot Ion:252 Resp: 422331  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.5 26.3  
125 13.7 11.0 16.4



#90  
Dibenzo(a,h)anthracene  
Concen: 37.40 ng  
RT: 21.70 min Scan# 3360  
Delta R.T. 0.08 min  
Lab File: BF095180.D  
Acq: 17 May 2017 4:33

Tgt Ion:278 Resp: 329803  
Ion Ratio Lower Upper  
278 100  
139 22.5 16.6 24.8  
279 22.1 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 38.98 ng

RT: 22.08 min Scan# 3425

Delta R.T. 0.11 min

Lab File: BF095180.D

Acq: 17 May 2017 4:33

Instrument :

BNA\_F

ClientSampleId :

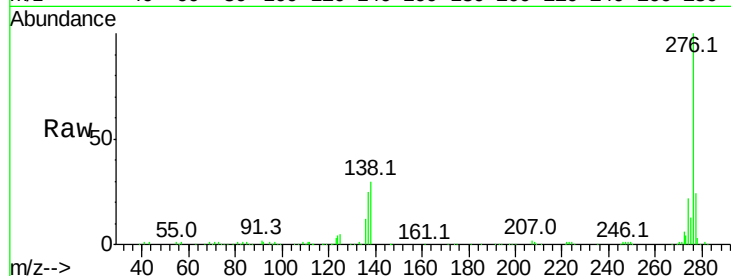
Tot Ion: 276 Resp: 337342

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 30.5 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

