

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\  
 Data File : BF095267.D  
 Acq On : 19 May 2017 17:21  
 Operator : SJ/MA  
 Sample : PB99069BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 20 00:28:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 87922    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.78  | 136  | 367344   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.61 | 164  | 170064   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 15.02 | 188  | 286529   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.69 | 240  | 245735   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.36 | 264  | 154018   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.74  | 112 | 707373  | 134.13 | ng | 0.00 |
| 7) Phenol-d6             | 7.32  | 99  | 887729  | 140.30 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.67  | 82  | 520067  | 89.28  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.92 | 330 | 209688  | 150.55 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.55 | 172 | 1048339 | 88.73  | ng | 0.00 |
| 78) Terphenyl-d14        | 17.34 | 244 | 999128  | 89.55  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.29  | 88  | 80461  | 31.11 | ng | 93     |
| 3) Pyridine                    | 3.00  | 79  | 180410 | 30.10 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.92  | 42  | 79333  | 31.75 | ng | 86     |
| 6) Aniline                     | 7.28  | 93  | 312810 | 39.16 | ng | 96     |
| 8) 2-Chlorophenol              | 7.46  | 128 | 269935 | 44.97 | ng | 94     |
| 9) Benzaldehyde                | 7.11  | 77  | 59087  | 15.29 | ng | 96     |
| 10) Phenol                     | 7.33  | 94  | 274371 | 41.15 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 237157 | 43.08 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.67  | 146 | 286037 | 42.01 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.80  | 146 | 290691 | 42.10 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.02  | 146 | 279367 | 43.34 | ng | 96     |
| 15) Benzyl Alcohol             | 8.05  | 79  | 215586 | 52.97 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 322083 | 41.34 | ng | 66     |
| 17) 2-Methylphenol             | 8.26  | 107 | 219679 | 44.72 | ng | # 91   |
| 18) Hexachloroethane           | 8.54  | 117 | 96788  | 41.38 | ng | 89     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 185678 | 43.39 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.52  | 107 | 290769 | 43.56 | ng | # 58   |
| 22) Acetophenone               | 8.44  | 105 | 373148 | 42.34 | ng | # 84   |
| 24) Nitrobenzene               | 8.70  | 77  | 258617 | 42.35 | ng | 95     |
| 25) Isophorone                 | 9.10  | 82  | 472851 | 45.46 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.20  | 139 | 150651 | 45.72 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.34  | 122 | 243682 | 45.74 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.46  | 93  | 315083 | 43.79 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 9.63  | 162 | 232569 | 46.24 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 9.71  | 180 | 227685 | 42.25 | ng | 99     |
| 31) Naphthalene                | 9.81  | 128 | 776249 | 42.04 | ng | 100    |
| 32) Benzoic acid               | 9.66  | 122 | 134987 | 39.59 | ng | 93     |
| 33) 4-Chloroaniline            | 9.97  | 127 | 131281 | 19.08 | ng | 93     |
| 34) Hexachlorobutadiene        | 10.03 | 225 | 113133 | 39.79 | ng | 96     |
| 35) Caprolactam                | 10.61 | 113 | 35122  | 23.25 | ng | # 84   |
| 36) 4-Chloro-3-methylphenol    | 10.81 | 107 | 249650 | 46.42 | ng | 89     |
| 37) 2-Methylnaphthalene        | 10.94 | 142 | 541107 | 44.66 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 220443 | 42.15 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.19 | 237 | 152375 | 70.11 | ng | 99     |

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 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

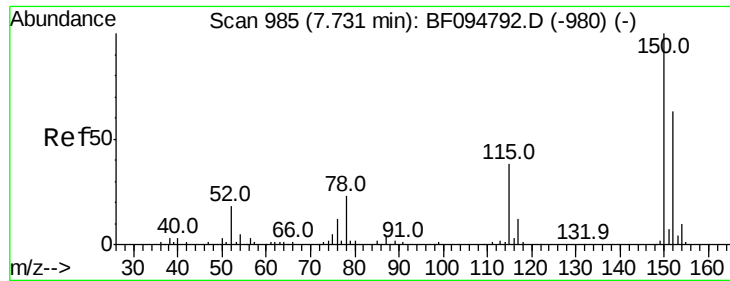
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 20 00:28:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.44 | 196  | 160324   | 45.91 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 11.54 | 196  | 151868   | 40.47 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 11.71 | 154  | 626575   | 43.76 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 11.72 | 162  | 496056   | 42.91 | ng    | 96       |
| 47) 2-Nitroaniline             | 11.95 | 65   | 138741   | 43.84 | ng    | # 76     |
| 48) Acenaphthylene             | 12.38 | 152  | 789256   | 43.58 | ng    | 99       |
| 49) Dimethylphthalate          | 12.26 | 163  | 597242   | 42.78 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.35 | 165  | 133166   | 46.75 | ng    | 98       |
| 51) Acenaphthene               | 12.67 | 154  | 466583   | 43.14 | ng    | 99       |
| 52) 3-Nitroaniline             | 12.63 | 138  | 89299    | 29.21 | ng    | 90       |
| 53) 2,4-Dinitrophenol          | 12.84 | 184  | 124128   | 79.19 | ng    | # 65     |
| 54) Dibenzofuran               | 12.95 | 168  | 731688   | 48.88 | ng    | 99       |
| 55) 4-Nitrophenol              | 13.02 | 139  | 156952   | 85.48 | ng    | # 71     |
| 56) 2,4-Dinitrotoluene         | 13.02 | 165  | 188322   | 51.45 | ng    | # 88     |
| 57) Fluorene                   | 13.51 | 166  | 592779   | 45.55 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.20 | 232  | 119137   | 50.44 | ng    | 95       |
| 59) Diethylphthalate           | 13.41 | 149  | 592687   | 44.29 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.53 | 204  | 263120   | 46.00 | ng    | 92       |
| 61) 4-Nitroaniline             | 13.64 | 138  | 120270   | 42.85 | ng    | 96       |
| 62) Azobenzene                 | 13.79 | 77   | 563355   | 52.39 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198  | 91204    | 47.48 | ng    | # 66     |
| 65) n-Nitrosodiphenylamine     | 13.74 | 169  | 518443   | 49.85 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.32 | 248  | 149066   | 49.24 | ng    | 97       |
| 67) Hexachlorobenzene          | 14.41 | 284  | 148082   | 47.73 | ng    | # 87     |
| 68) Atrazine                   | 14.67 | 200  | 148497   | 50.58 | ng    | 97       |
| 69) Pentachlorophenol          | 14.77 | 266  | 116090   | 82.56 | ng    | 99       |
| 70) Phenanthrene               | 15.06 | 178  | 809676   | 49.18 | ng    | 98       |
| 71) Anthracene                 | 15.14 | 178  | 849981   | 50.54 | ng    | 98       |
| 72) Carbazole                  | 15.42 | 167  | 776706   | 50.76 | ng    | 97       |
| 73) Di-n-butylphthalate        | 15.98 | 149  | 885118   | 46.39 | ng    | 99       |
| 74) Fluoranthene               | 16.80 | 202  | 848823   | 50.26 | ng    | 99       |
| 76) Benzidine                  | 17.03 | 184  | 74798    | 16.30 | ng    | # 93     |
| 77) Pyrene                     | 17.10 | 202  | 867335   | 47.19 | ng    | 99       |
| 79) Butylbenzylphthalate       | 17.99 | 149  | 415991   | 48.66 | ng    | # 87     |
| 80) Benzo(a)anthracene         | 18.68 | 228  | 642359   | 44.92 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 18.66 | 252  | 146639   | 29.69 | ng    | # 97     |
| 82) Chrysene                   | 18.72 | 228  | 606698   | 43.87 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149  | 592319   | 48.63 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 19.51 | 149  | 923452   | 46.25 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.69 | 276  | 409896   | 36.50 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 19.95 | 252  | 444726   | 46.73 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 19.95 | 252  | 444726   | 48.44 | ng    | 95       |
| 89) Benzo(a)pyrene             | 20.31 | 252  | 411341   | 46.84 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 21.69 | 278  | 327928   | 45.21 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 22.08 | 276  | 342527   | 48.13 | ng    | 97       |

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



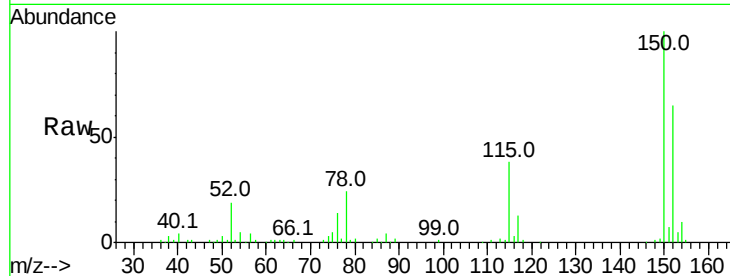


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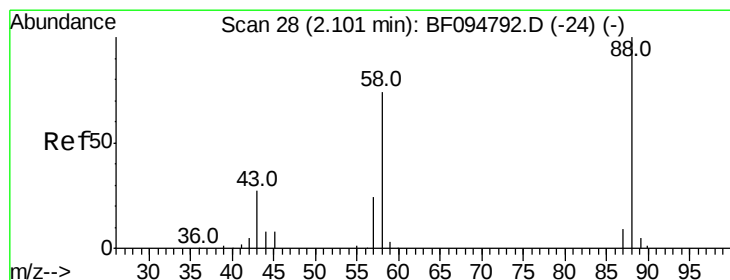
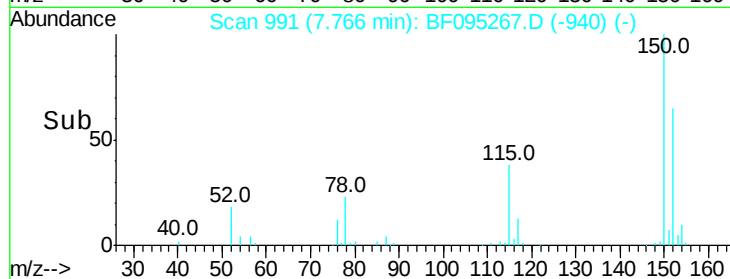
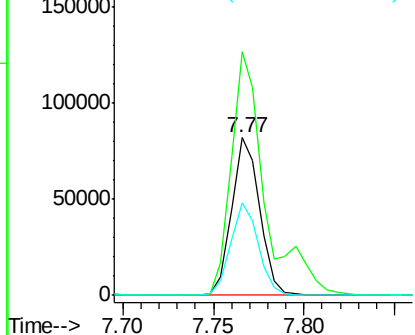
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 87922  
Ion Ratio Lower Upper  
152 100  
150 154.5 126.2 189.2  
115 59.1 52.2 78.2



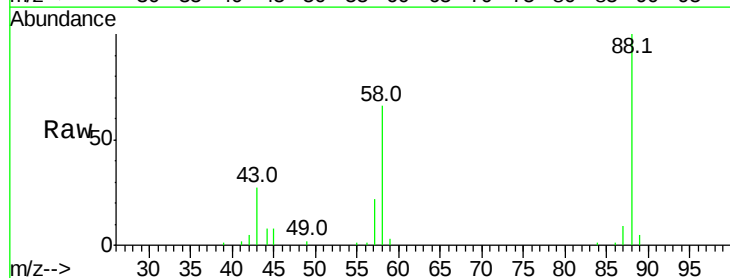
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



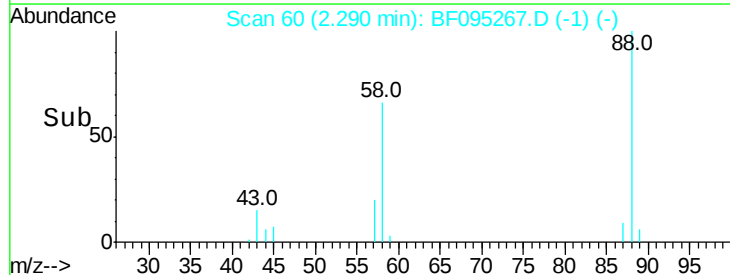
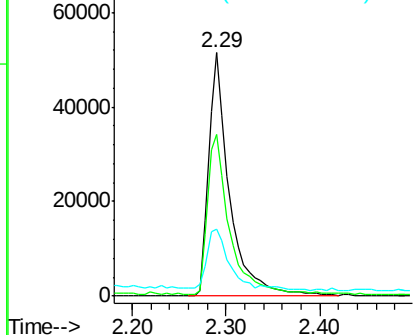
#2

1,4-Dioxane  
Concen: 31.11 ng  
RT: 2.29 min Scan# 60  
Delta R.T. 0.06 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion: 88 Resp: 80461  
Ion Ratio Lower Upper  
88 100  
58 69.1 61.4 92.0  
43 28.0 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

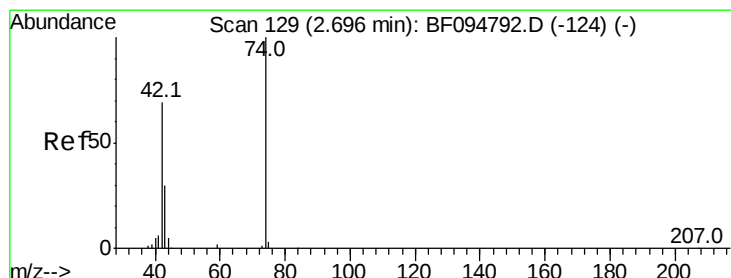
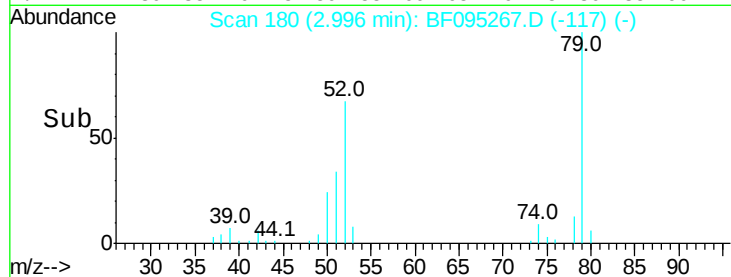
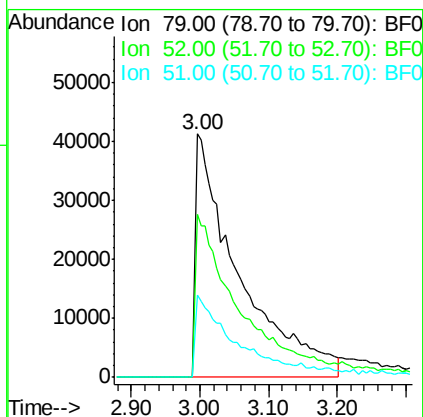
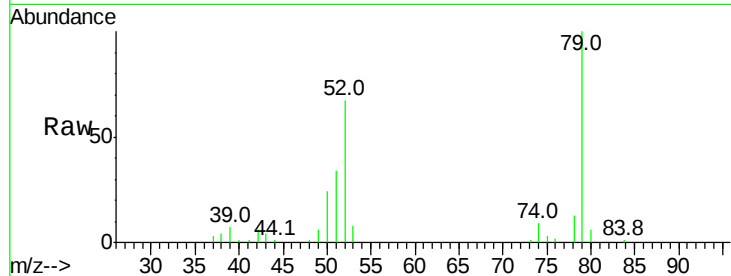




#3  
 Pvridine  
 Concen: 30.10 ng  
 RT: 3.00 min Scan# 180  
 Delta R.T. 0.07 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

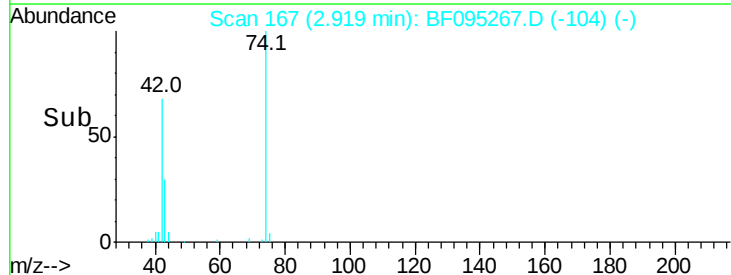
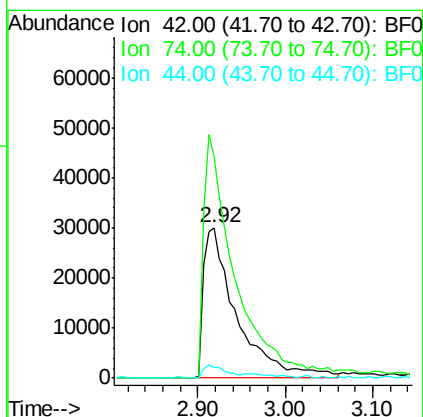
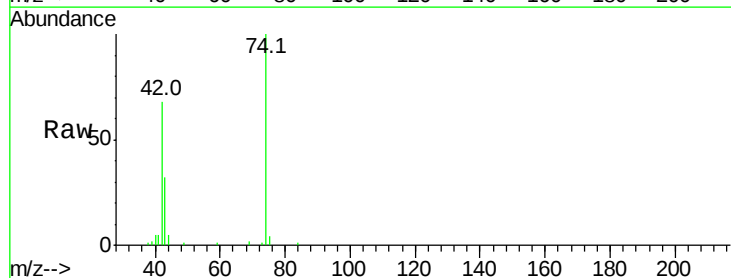
Instrument :  
 BNA\_F  
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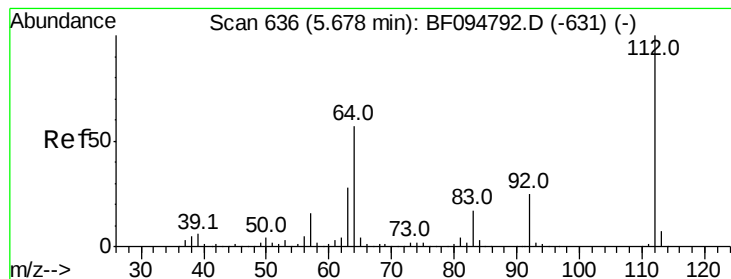
Tot Ion: 79 Resp: 180410  
 Ion Ratio Lower Upper  
 79 100  
 52 67.1 54.8 82.2  
 51 33.7 27.0 40.4



#4  
 n-Nitrosodimethylamine  
 Concen: 31.75 ng  
 RT: 2.92 min Scan# 167  
 Delta R.T. 0.07 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion: 42 Resp: 79333  
 Ion Ratio Lower Upper  
 42 100  
 74 147.7 103.9 155.9  
 44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 134.13 ng

RT: 5.74 min Scan# 647

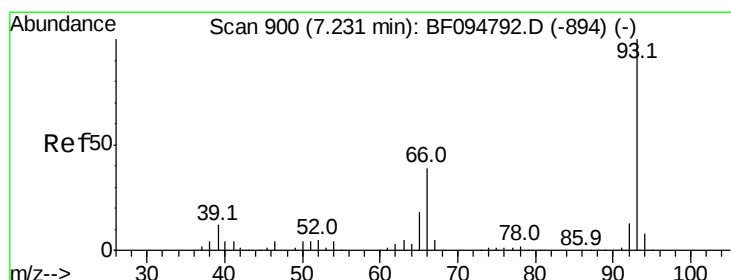
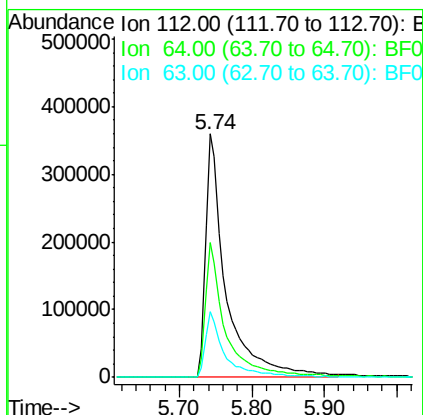
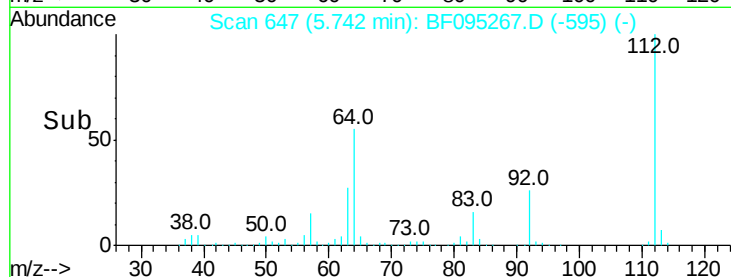
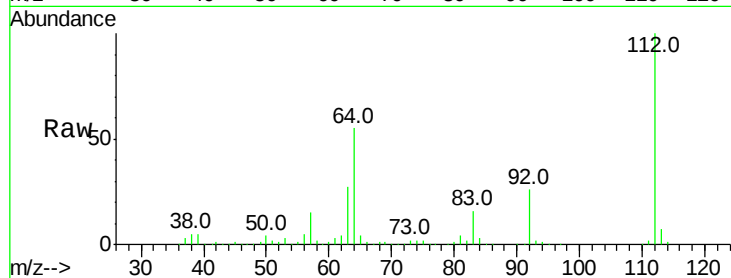
Delta R.T. 0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 707373 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 55.2  | 46.0  | 69.0   |
| 63       | 27.1  | 23.4  | 35.0   |



#6

Aniline

Concen: 39.16 ng

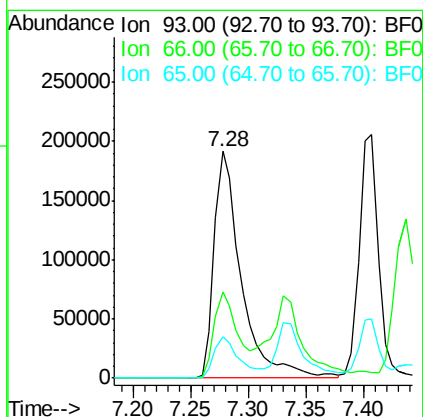
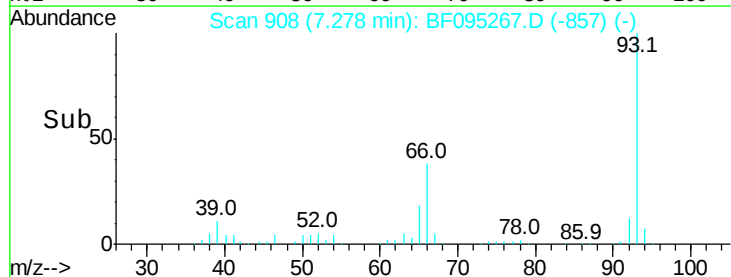
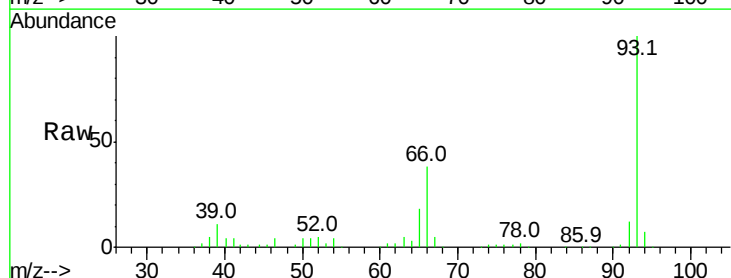
RT: 7.28 min Scan# 908

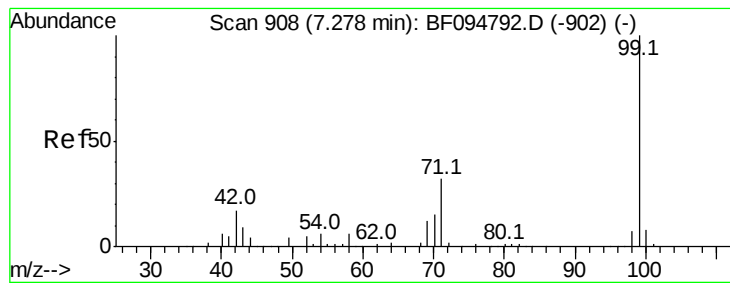
Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 312810 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 38.3  | 32.9  | 49.3   |
| 65       | 18.4  | 16.0  | 24.0   |





#7

Phenol-d6

Concen: 140.30 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampled :

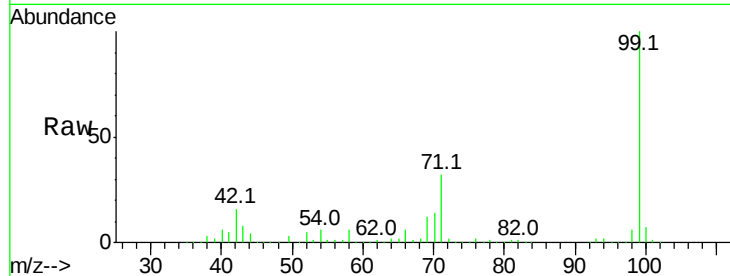
Tot Ion: 99 Resp: 887729

Ion Ratio Lower Upper

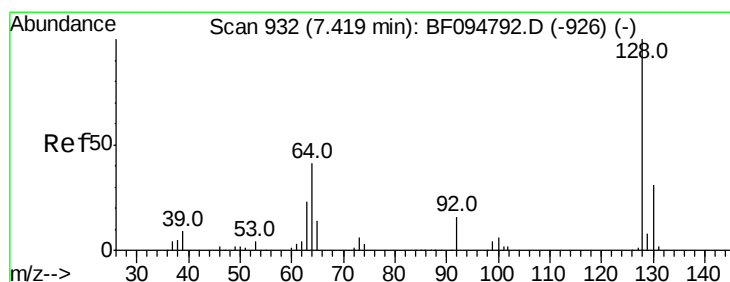
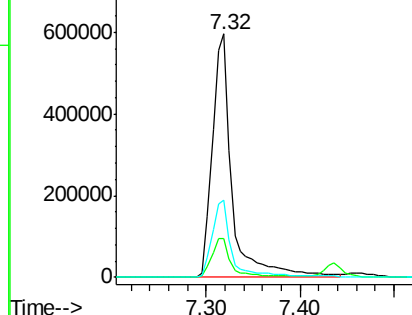
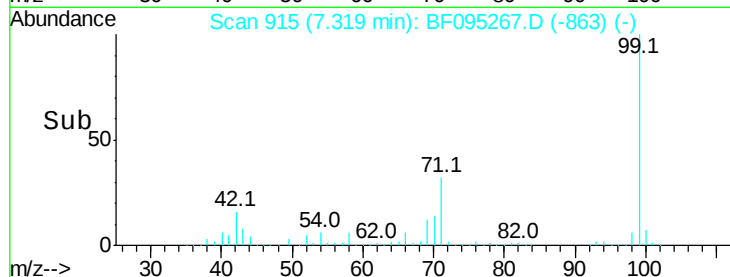
99 100

42 15.9 13.5 20.3

71 31.5 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: 44.97 ng

RT: 7.46 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

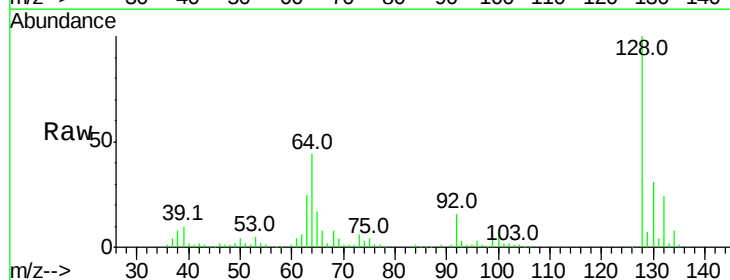
Tgt Ion: 128 Resp: 269935

Ion Ratio Lower Upper

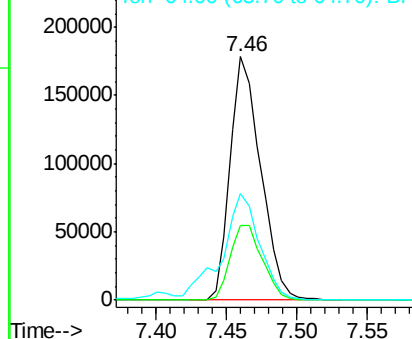
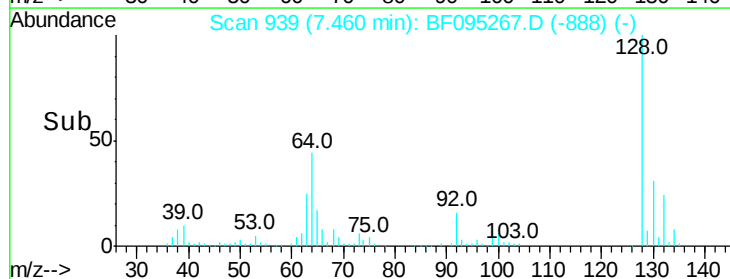
128 100

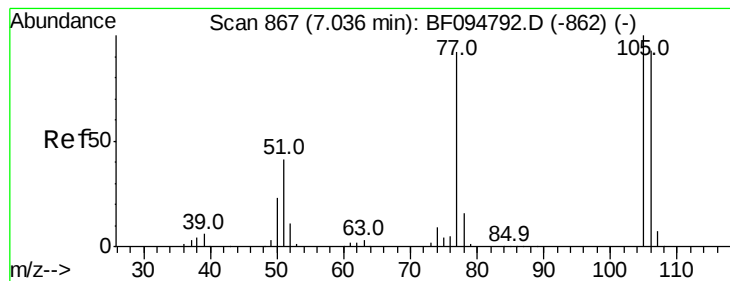
130 30.8 12.9 52.9

64 43.7 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: 15.29 ng

RT: 7.11 min Scan# 879

Delta R.T. 0.02 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

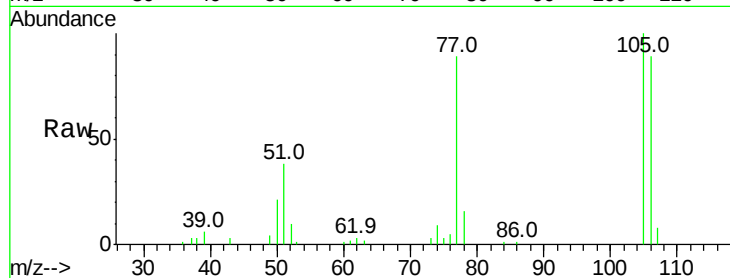
Tot Ion: 77 Resp: 59087

Ion Ratio Lower Upper

77 100

105 112.0 83.8 123.8

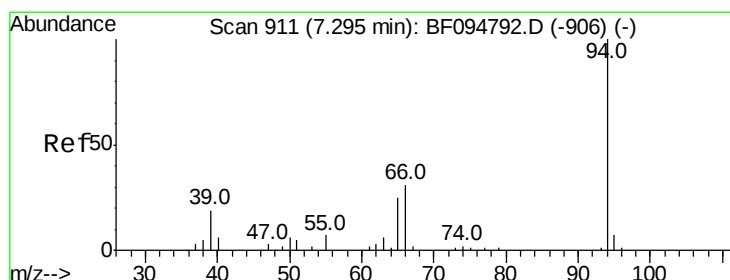
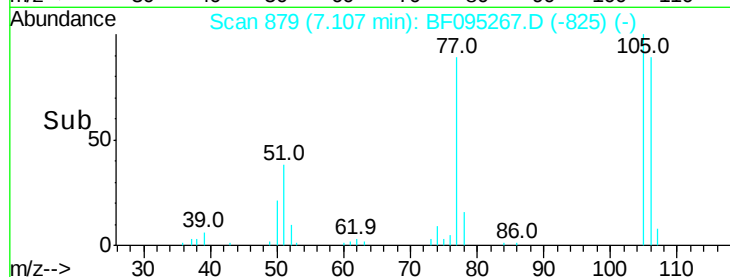
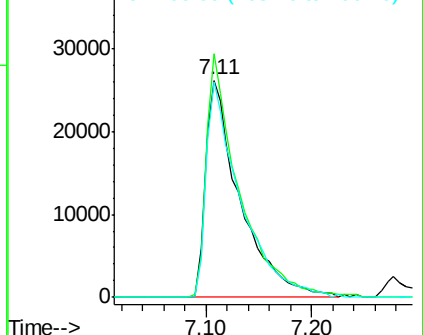
106 99.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.15 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

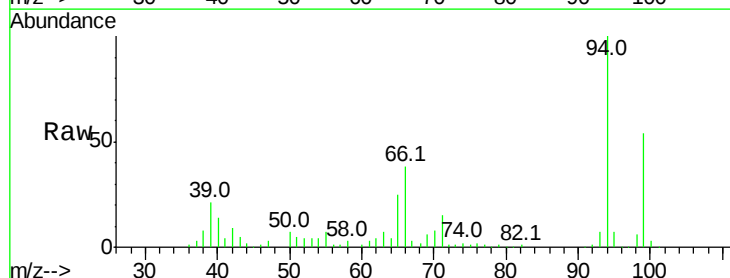
Tgt Ion: 94 Resp: 274371

Ion Ratio Lower Upper

94 100

65 25.3 9.9 49.9

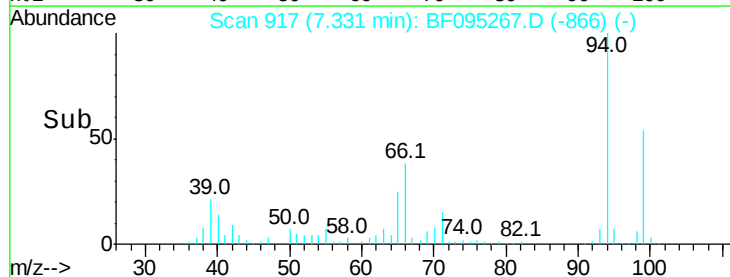
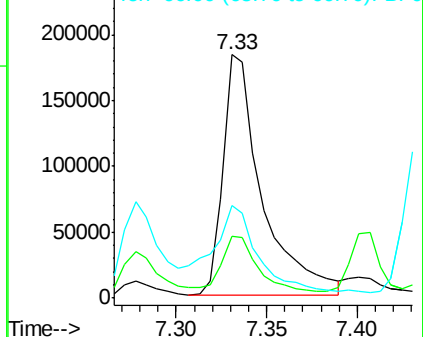
66 37.9 23.1 63.1

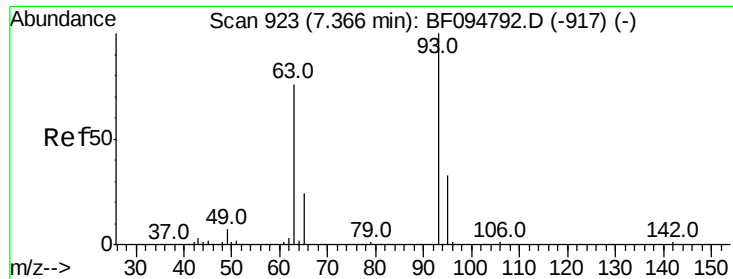


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.08 ng

RT: 7.41 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

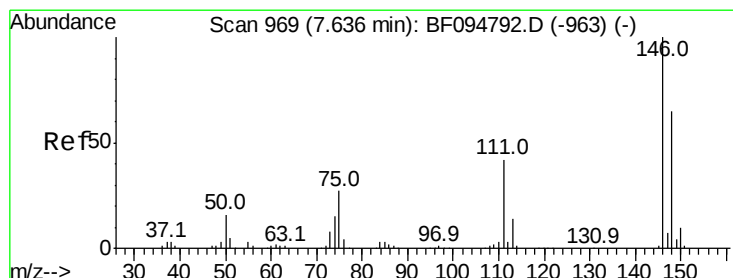
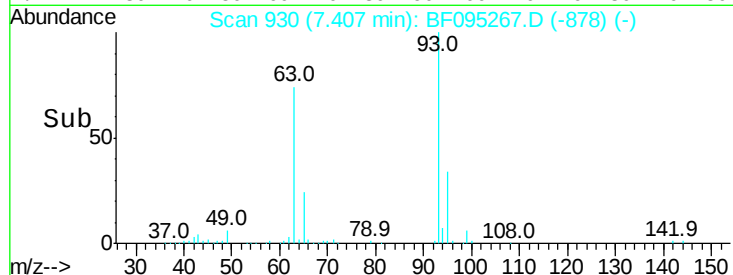
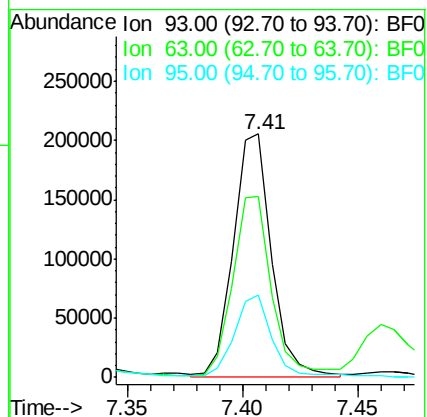
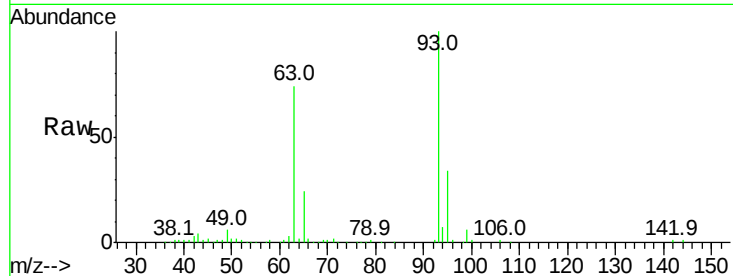
Tot Ion: 93 Resp: 237157

Ion Ratio Lower Upper

93 100

63 74.1 59.2 99.2

95 33.7 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 42.01 ng

RT: 7.67 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

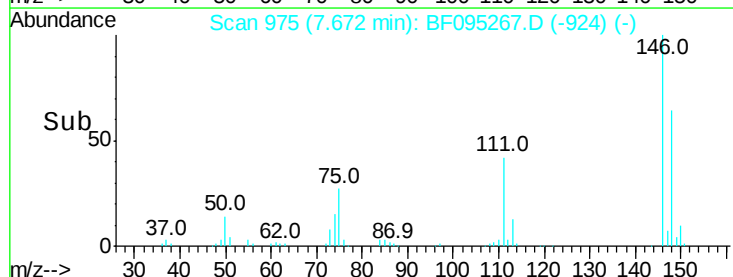
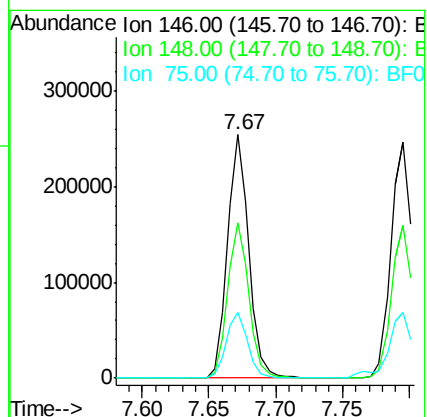
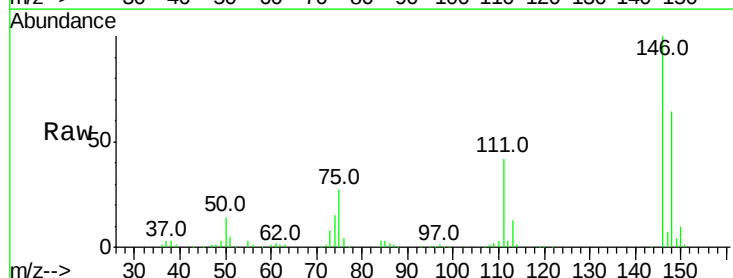
Tgt Ion: 146 Resp: 286037

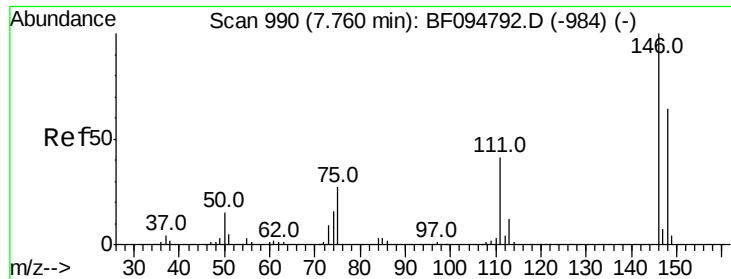
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

75 27.2 23.1 34.7

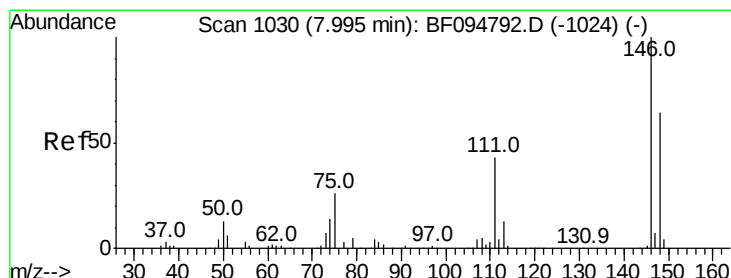
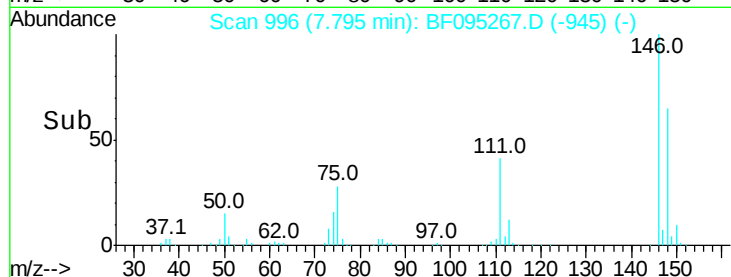
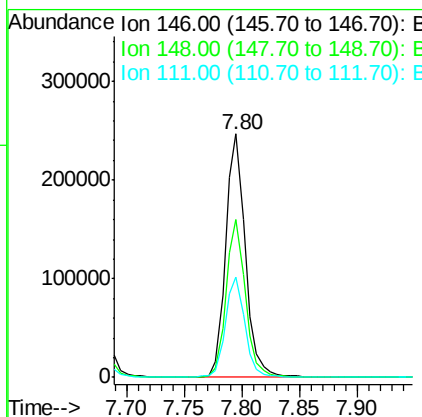
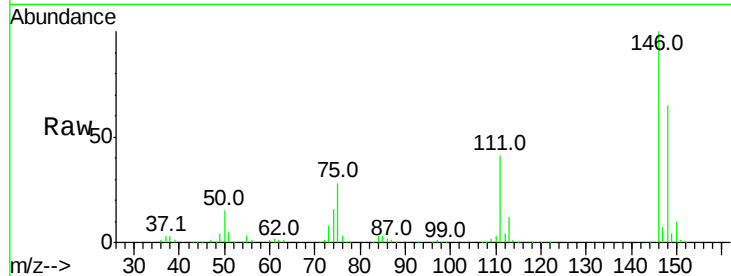




#13  
 1,4-Dichlorobenzene  
 Concen: 42.10 ng  
 RT: 7.80 min Scan# 996  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

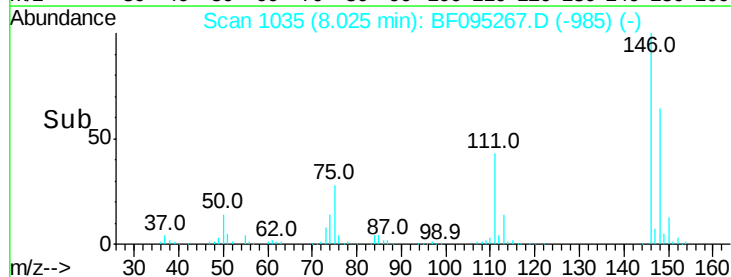
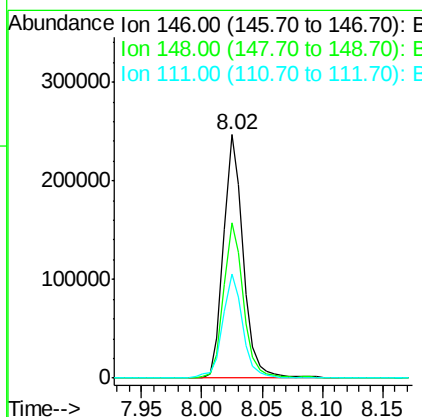
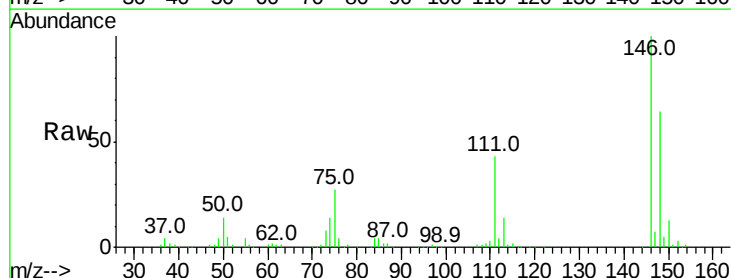
Instrument :  
 BNA\_F  
 ClientSampleId :

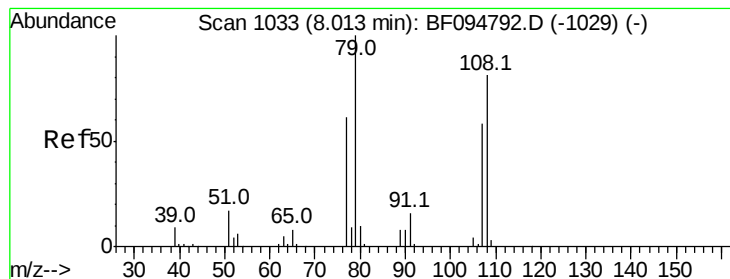
Tot Ion:146 Resp: 290691  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 52.2 78.2  
 111 41.3 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 43.34 ng  
 RT: 8.02 min Scan# 1035  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:146 Resp: 279367  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 50.4 75.6  
 111 42.6 38.2 57.4





#15

Benzyl Alcohol

Concen: 52.97 ng

RT: 8.05 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

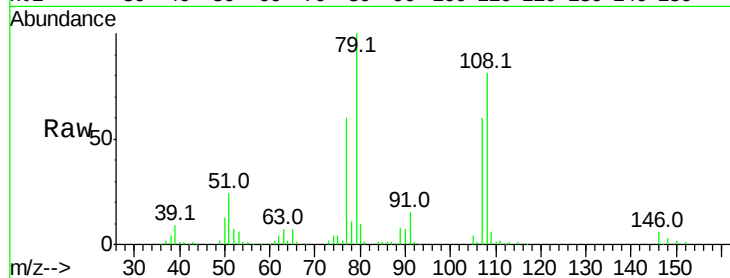
Tot Ion: 79 Resp: 215586

Ion Ratio Lower Upper

79 100

108 81.4 63.4 95.0

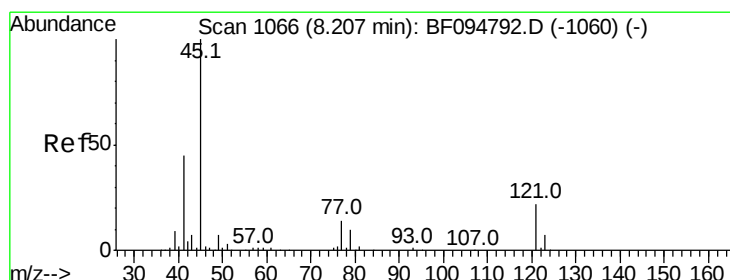
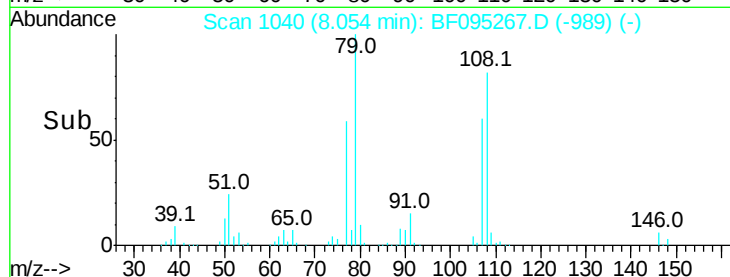
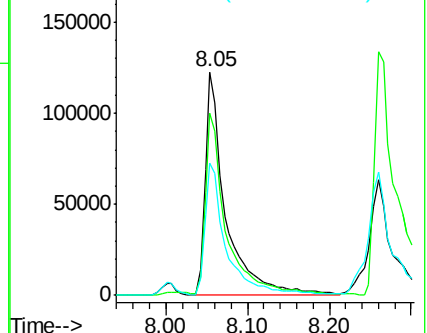
77 59.5 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.34 ng

RT: 8.25 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

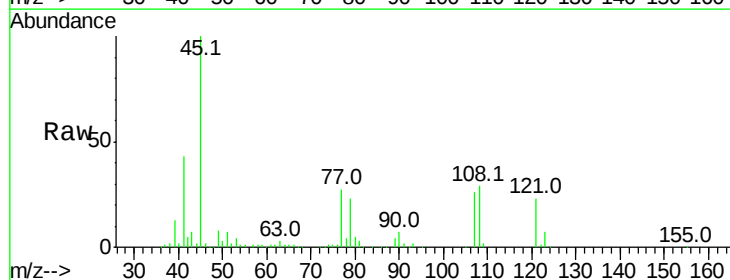
Tgt Ion: 45 Resp: 322083

Ion Ratio Lower Upper

45 100

77 26.6 0.0 33.2

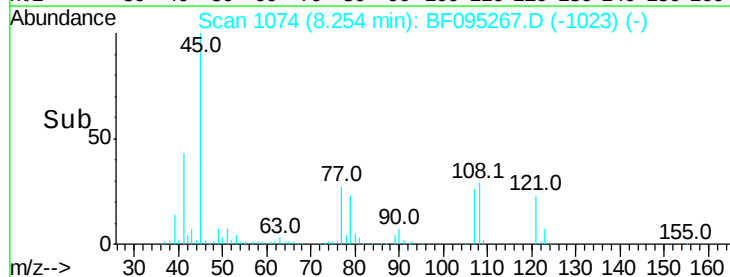
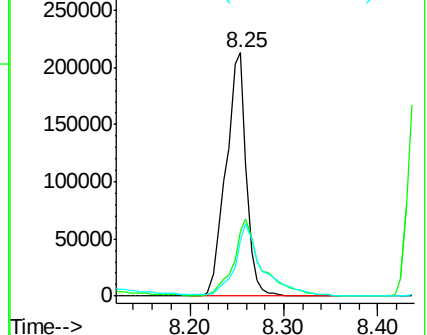
79 23.0 0.0 30.0

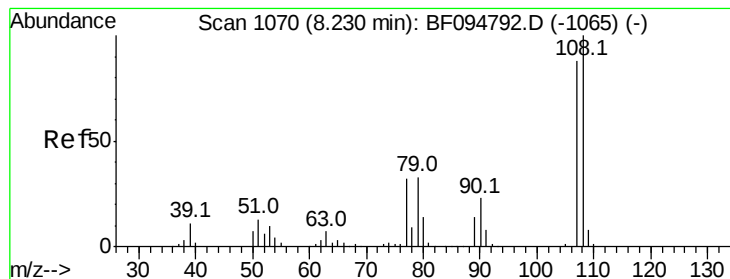


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

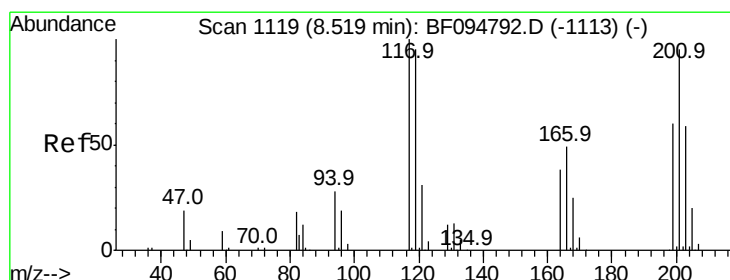
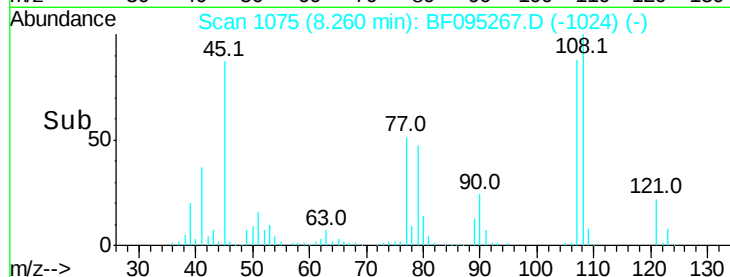
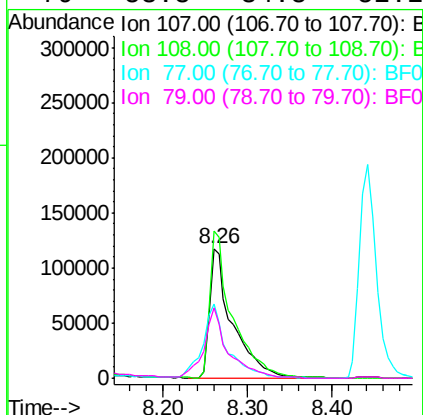
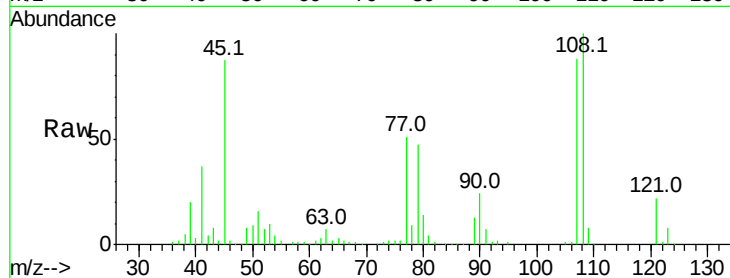




#17  
2-Methylphenol  
Concen: 44.72 ng  
RT: 8.26 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

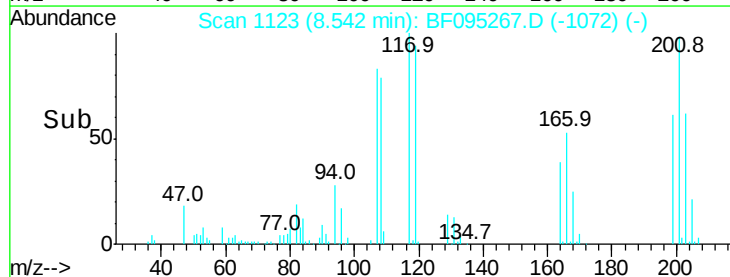
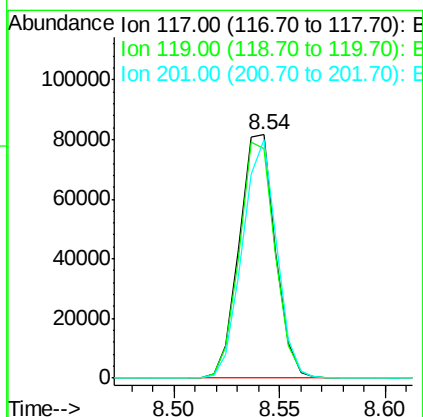
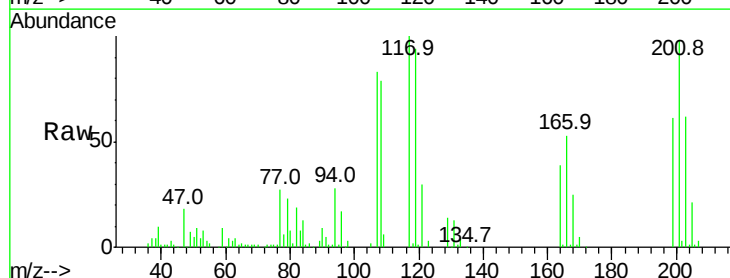
Instrument :  
BNA\_F  
ClientSampleId :

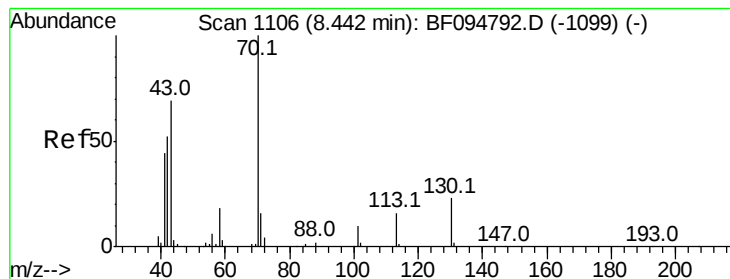
Tot Ion:107 Resp: 219679  
Ion Ratio Lower Upper  
107 100  
108 113.5 93.4 140.0  
77 57.6 35.8 53.6#  
79 53.8 34.8 52.2#



#18  
Hexachloroethane  
Concen: 41.38 ng  
RT: 8.54 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:117 Resp: 96788  
Ion Ratio Lower Upper  
117 100  
119 94.4 77.4 116.0  
201 97.8 94.6 141.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.39 ng

RT: 8.47 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 185678

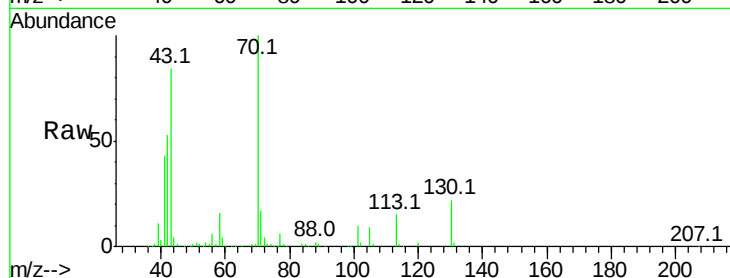
Ion Ratio Lower Upper

70 100

42 53.0 47.2 70.8

101 10.2 7.2 10.8

130 21.8 15.9 23.9

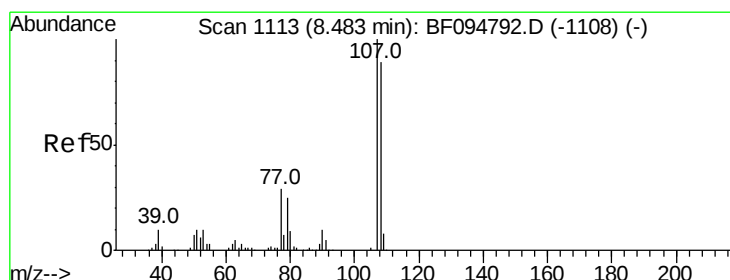
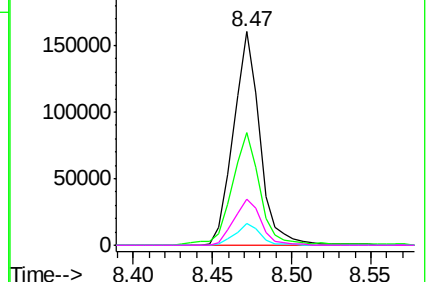
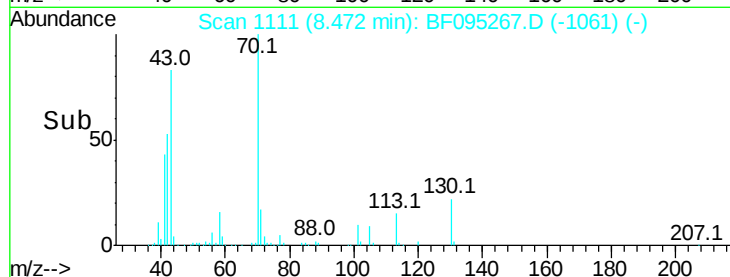


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 43.56 ng

RT: 8.52 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Tgt Ion:107 Resp: 290769

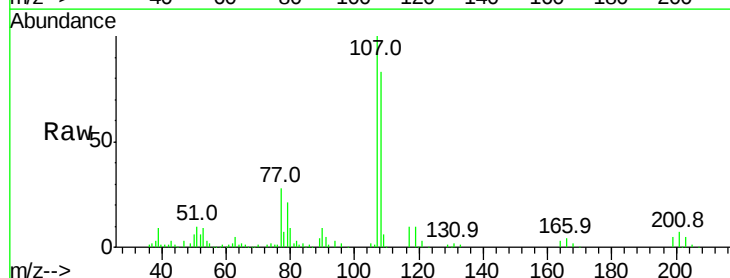
Ion Ratio Lower Upper

107 100

108 83.0 71.0 111.0

77 28.1 90.5 130.5#

79 20.9 8.4 48.4

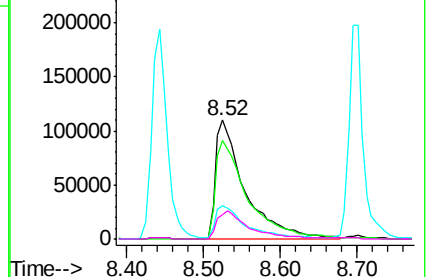
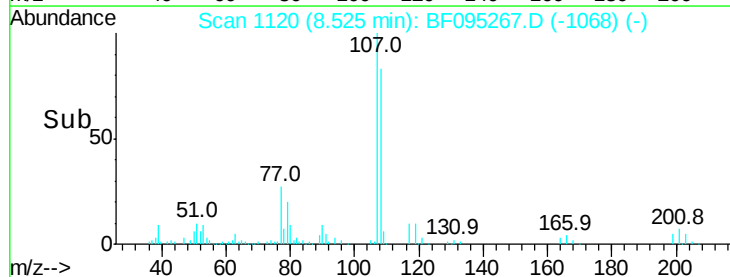


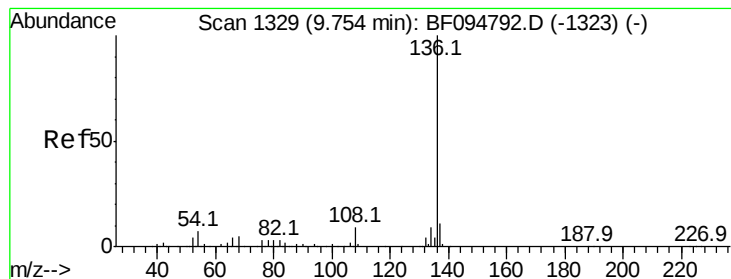
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

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: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 367344

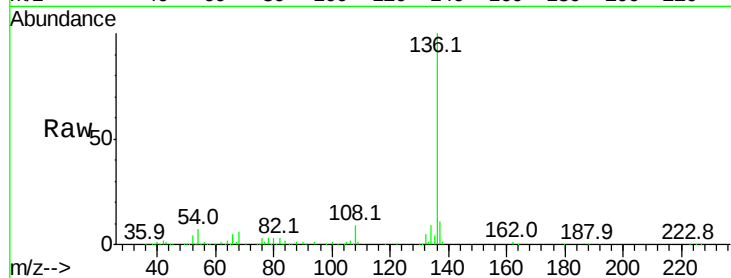
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

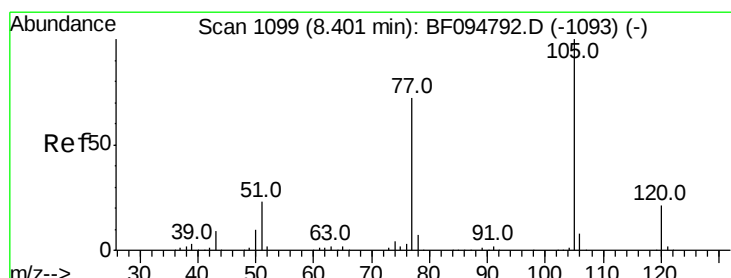
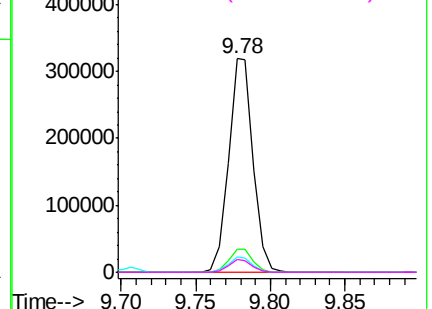
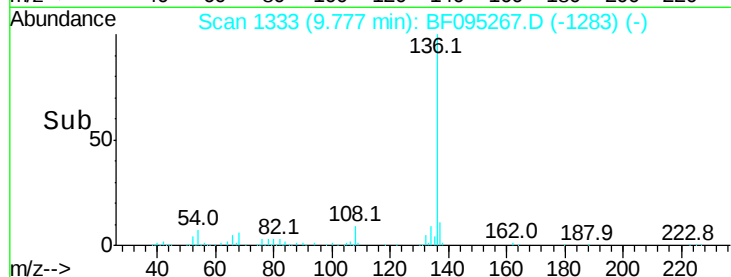


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.34 ng

RT: 8.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Tgt Ion:105 Resp: 373148

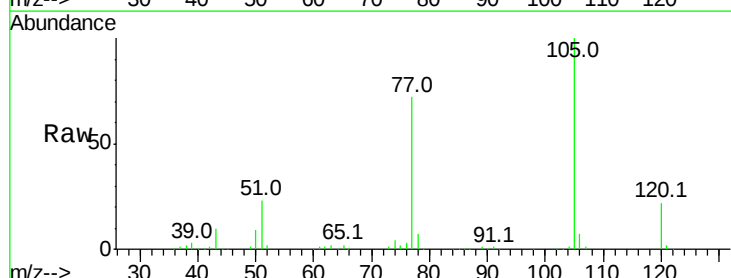
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 23.0 30.7 46.1#

120 21.6 17.4 26.0

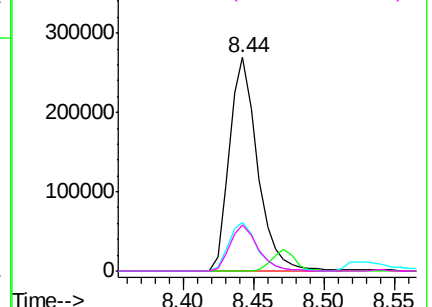
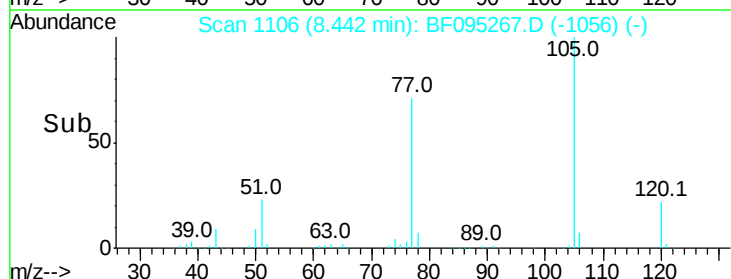


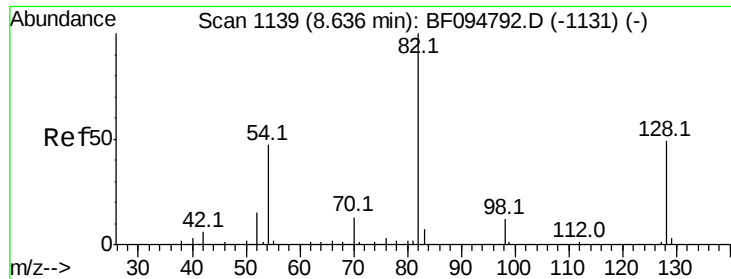
Abundance Ion 105.00 (104.70 to 105.70): E

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

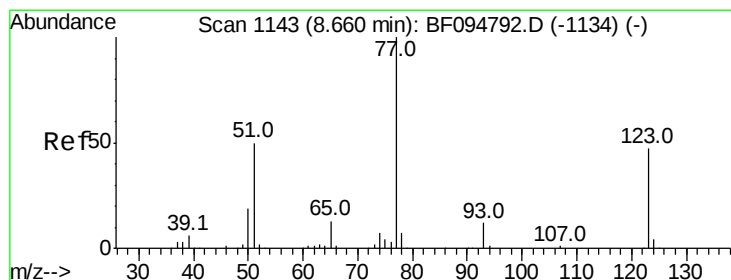
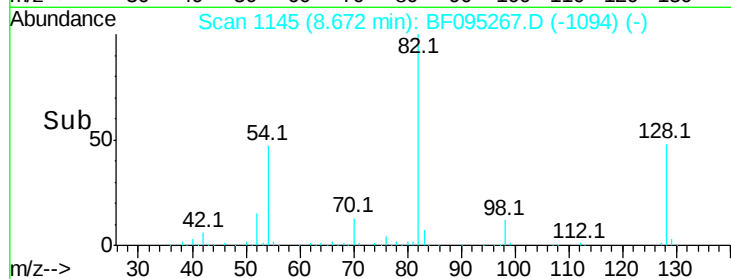
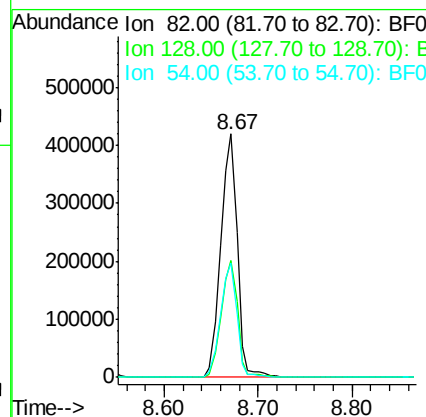
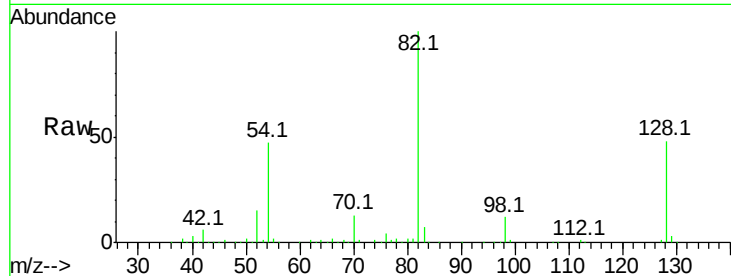




#23  
 Nitrobenzene-d5  
 Concen: 89.28 ng  
 RT: 8.67 min Scan# 1145  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

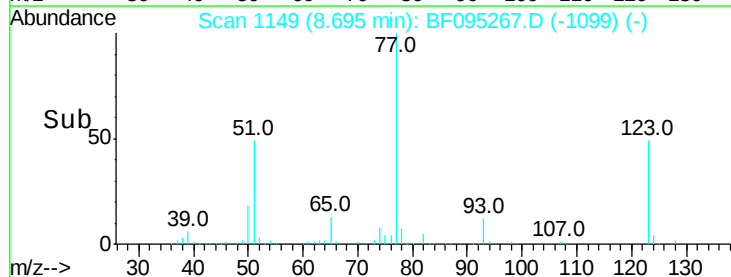
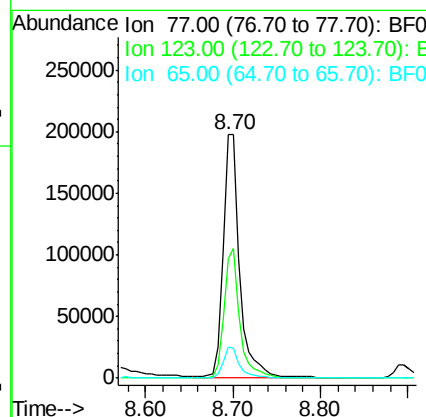
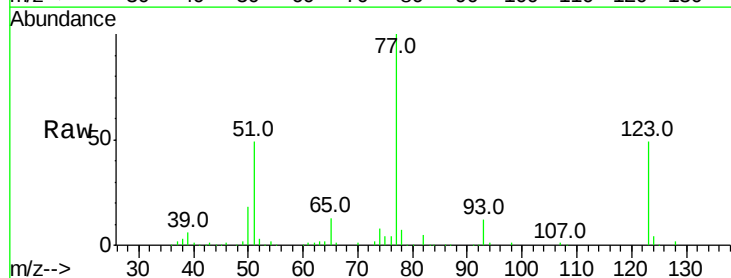
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 520067 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.1  | 34.0  | 51.0   |
| 54        | 46.7  | 42.2  | 63.2   |



#24  
 Nitrobenzene  
 Concen: 42.35 ng  
 RT: 8.70 min Scan# 1149  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion   | 77    | Resp  | 258617 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 48.8  | 35.8  | 53.8   |
| 65        | 13.0  | 10.6  | 15.8   |





#25

Isophorone

Concen: 45.46 ng

RT: 9.10 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

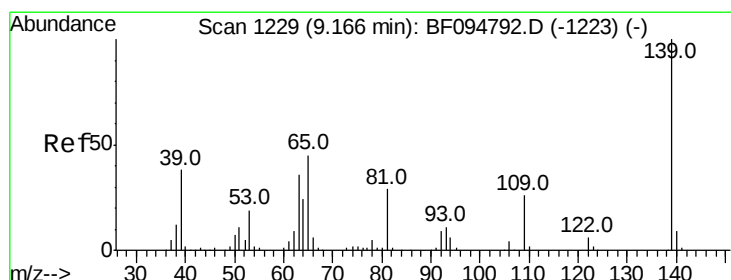
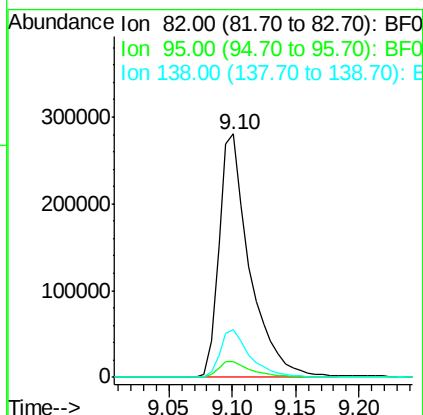
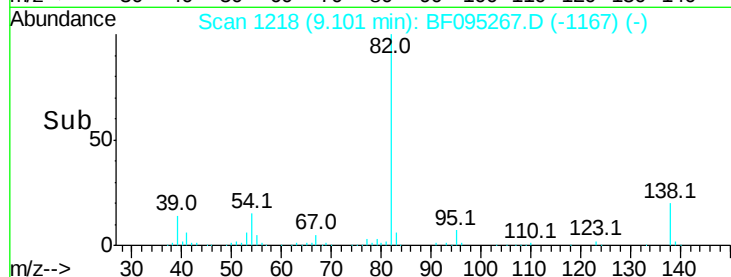
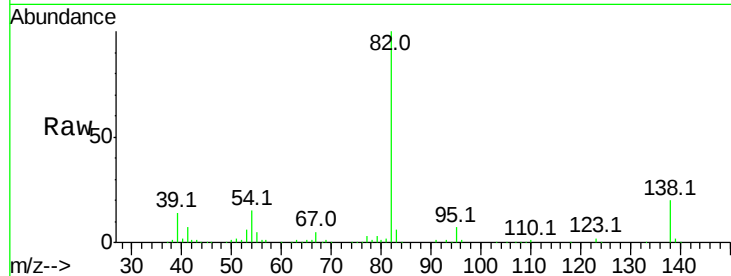
Tot Ion: 82 Resp: 472851

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

138 19.8 13.1 19.7#



#26

2-Nitrophenol

Concen: 45.72 ng

RT: 9.20 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

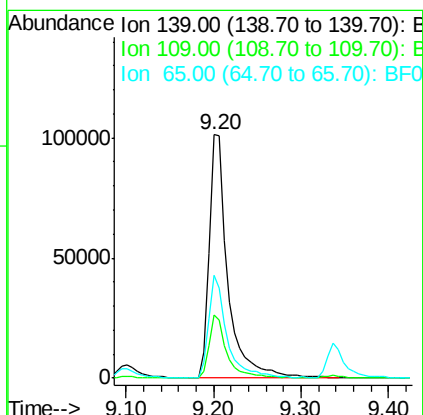
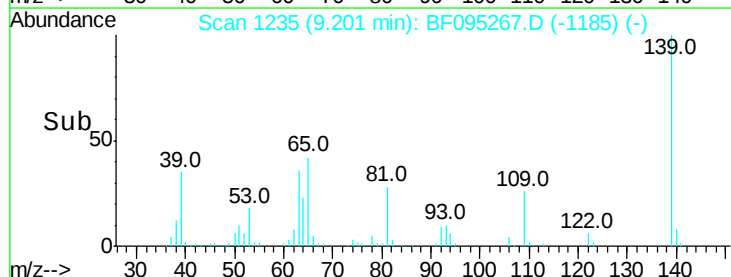
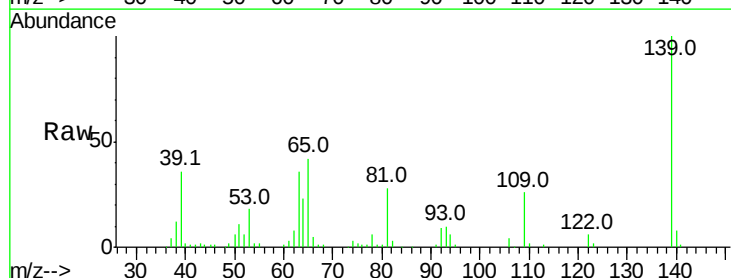
Tgt Ion:139 Resp: 150651

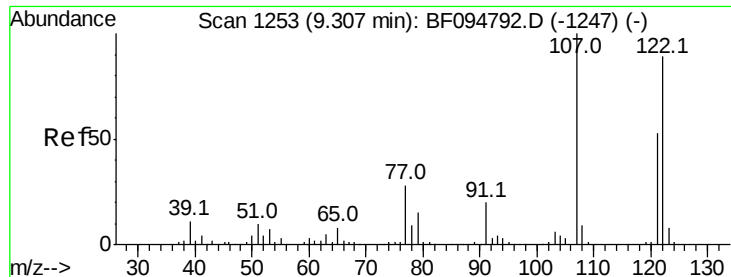
Ion Ratio Lower Upper

139 100

109 25.8 21.0 31.6

65 42.4 33.0 49.6

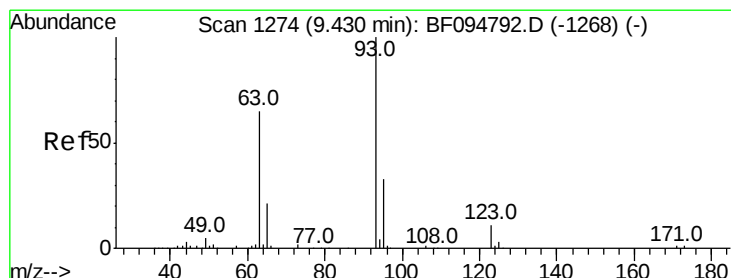
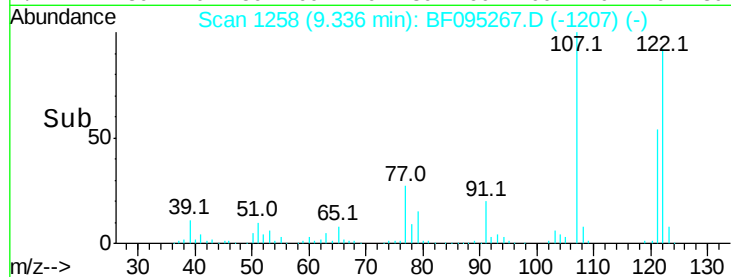
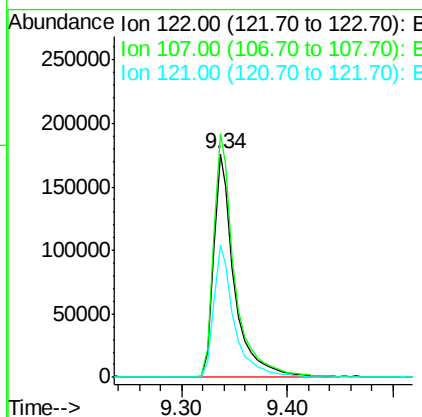
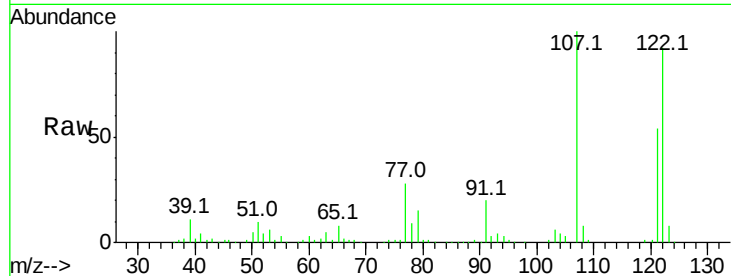




#27  
 2,4-Dimethylphenol  
 Concen: 45.74 ng  
 RT: 9.34 min Scan# 1258  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

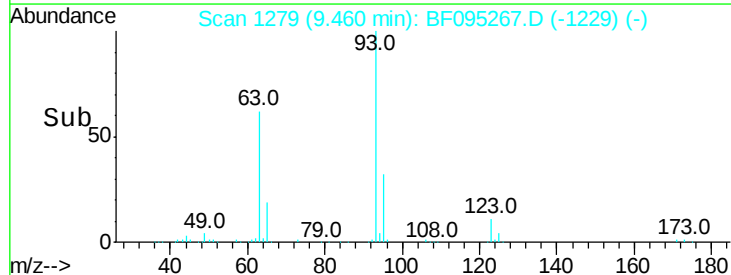
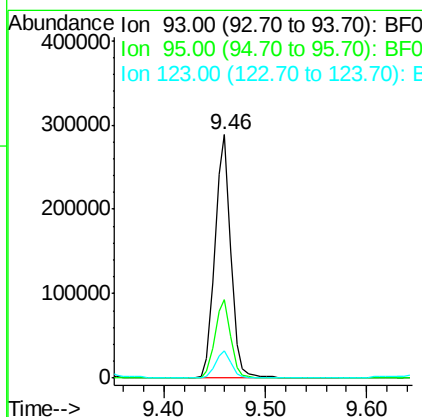
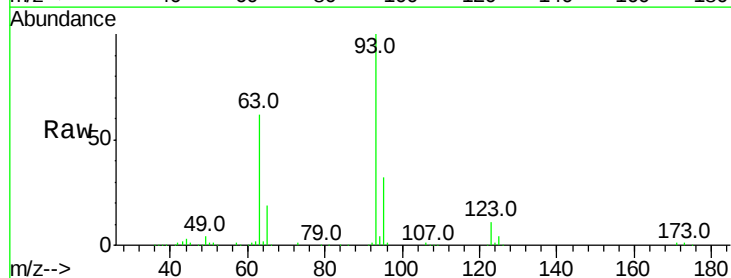
Instrument :  
 BNA\_F  
 ClientSampled :

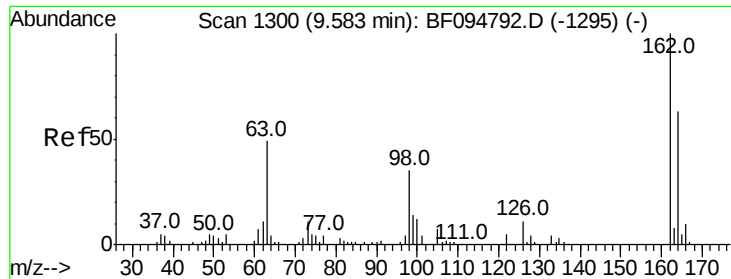
Tot Ion:122 Resp: 243682  
 Ion Ratio Lower Upper  
 122 100  
 107 109.1 89.2 133.8  
 121 59.2 45.2 67.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.79 ng  
 RT: 9.46 min Scan# 1279  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion: 93 Resp: 315083  
 Ion Ratio Lower Upper  
 93 100  
 95 32.0 26.5 39.7  
 123 11.1 9.0 13.4

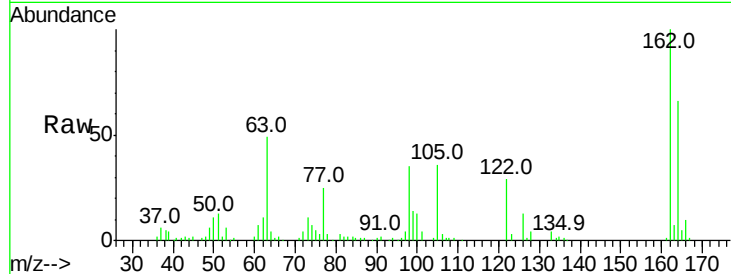




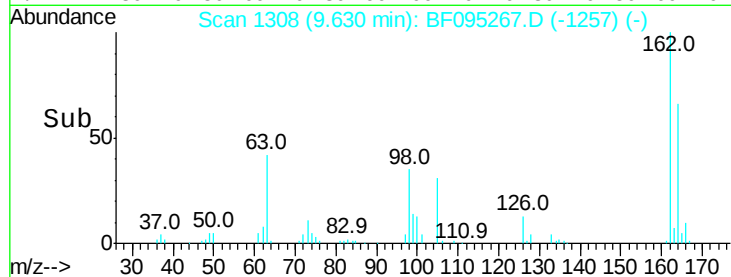
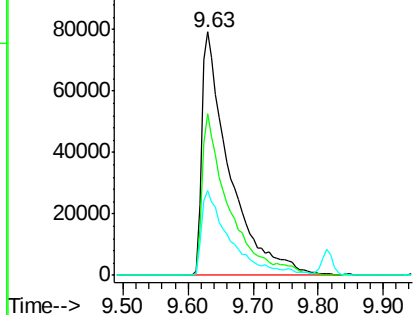
#29  
 2,4-Dichlorophenol  
 Concen: 46.24 ng  
 RT: 9.63 min Scan# 1308  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.3  | 44.6  | 84.6  |
| 98      | 34.8  | 14.8  | 54.8  |

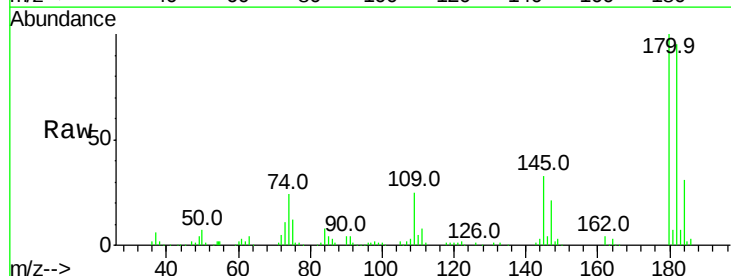


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

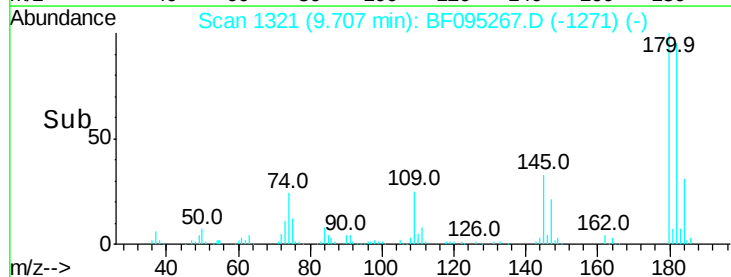
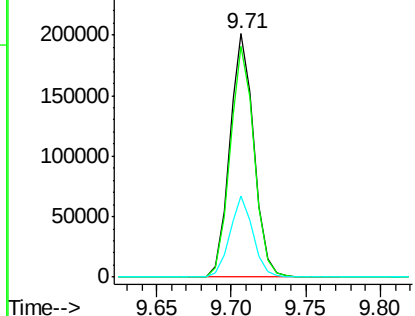


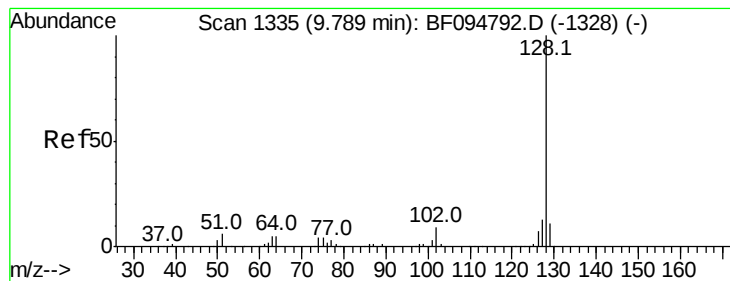
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.25 ng  
 RT: 9.71 min Scan# 1321  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 75.8  | 113.6 |
| 145     | 33.2  | 25.3  | 37.9  |



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





#31

Naphthalene

Concen: 42.04 ng

RT: 9.81 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

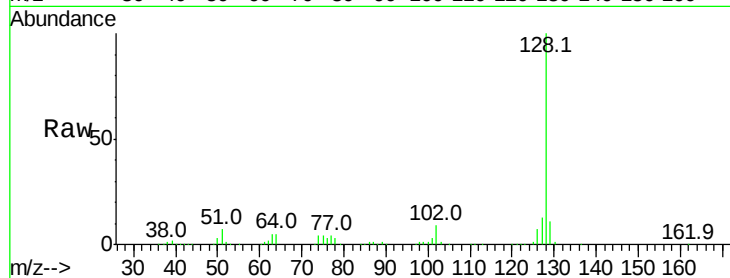
Tot Ion:128 Resp: 776249

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

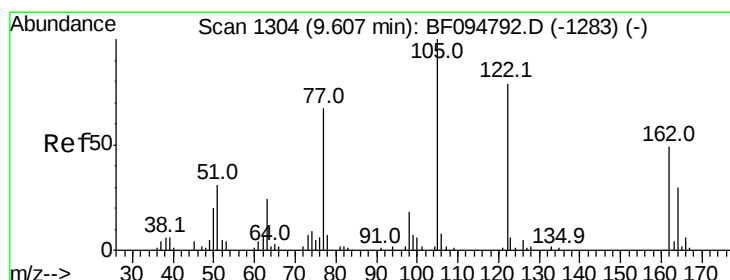
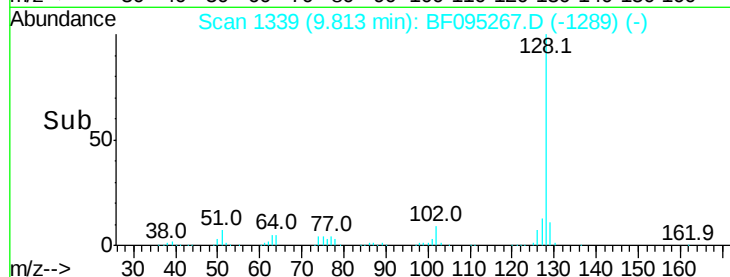
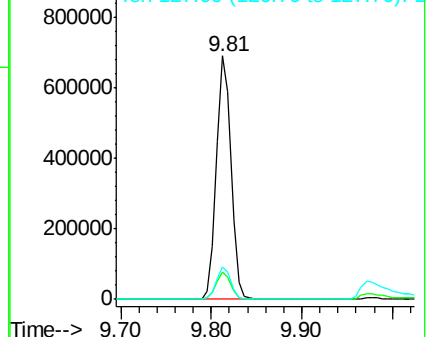
127 13.3 10.8 16.2



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: 39.59 ng

RT: 9.66 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

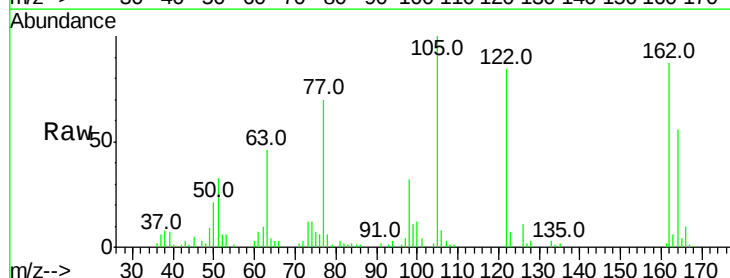
Tgt Ion:122 Resp: 134987

Ion Ratio Lower Upper

122 100

105 118.7 103.3 143.3

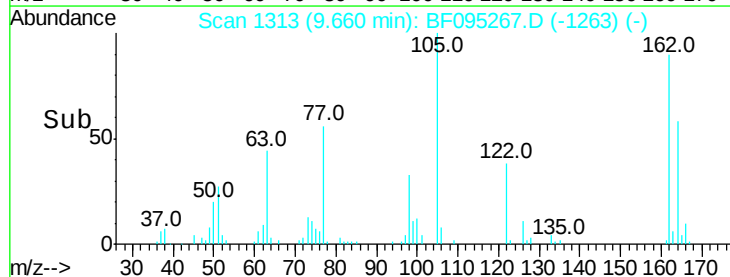
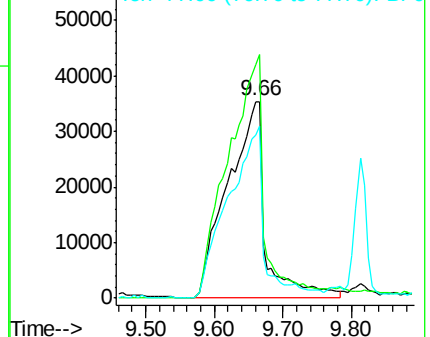
77 82.7 73.7 113.7

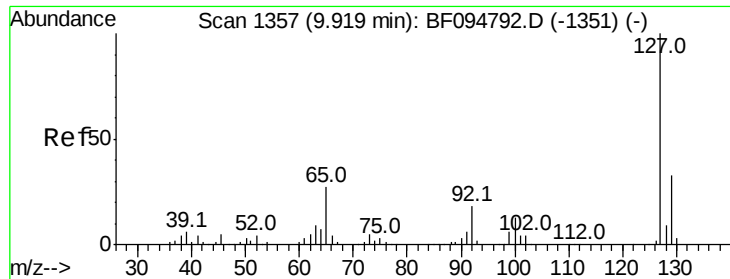


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

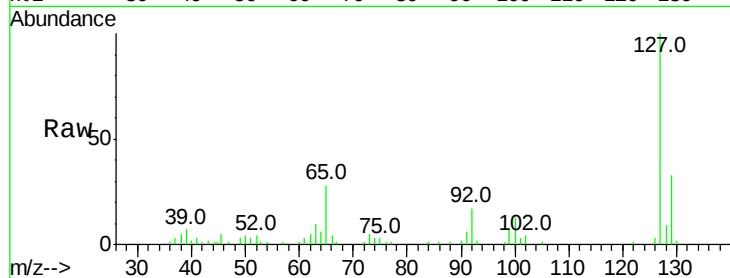




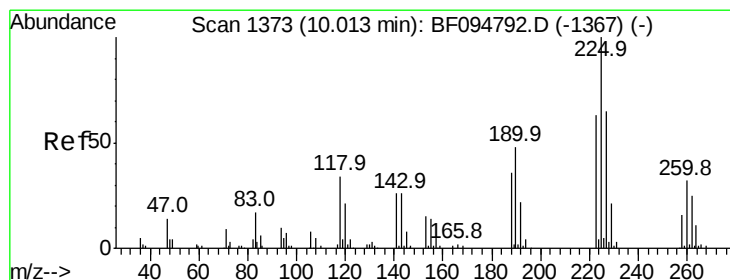
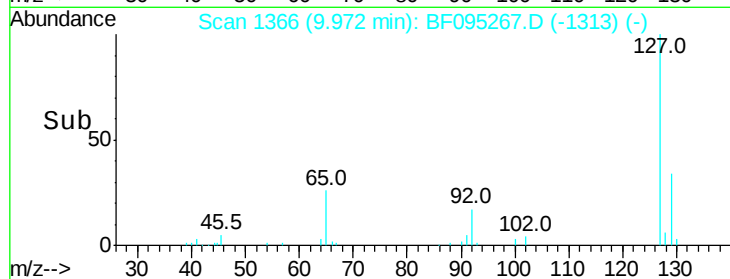
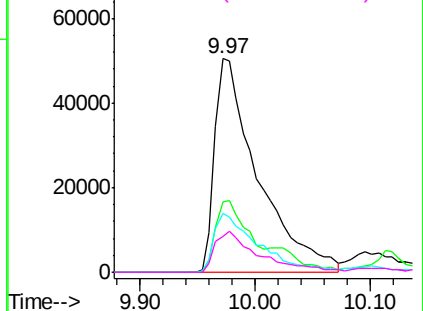
#33  
 4-Chloroaniline  
 Concen: 19.08 ng  
 RT: 9.97 min Scan# 1366  
 Delta R.T. 0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 131281 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.1  | 26.2  | 39.2   |
| 65       | 27.9  | 27.8  | 41.8   |
| 92       | 16.9  | 16.8  | 25.2   |

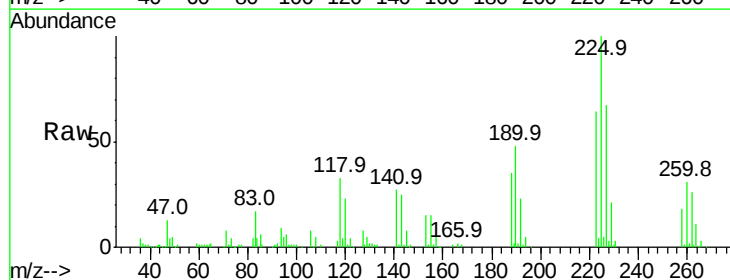


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

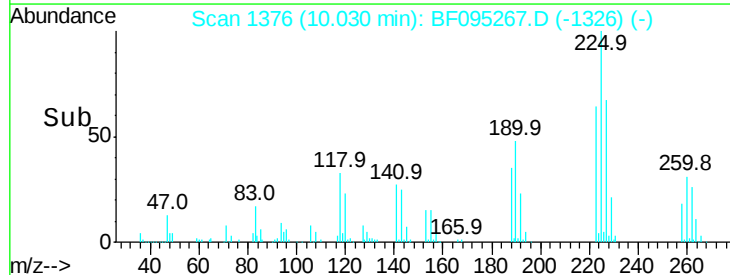
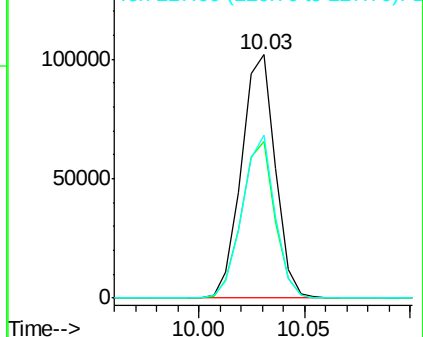


#34  
 Hexachlorobutadiene  
 Concen: 39.79 ng  
 RT: 10.03 min Scan# 1376  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 113133 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.4  | 48.8  | 73.2   |
| 227      | 67.0  | 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: 23.25 ng

RT: 10.61 min Scan# 1474

Delta R.T. 0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

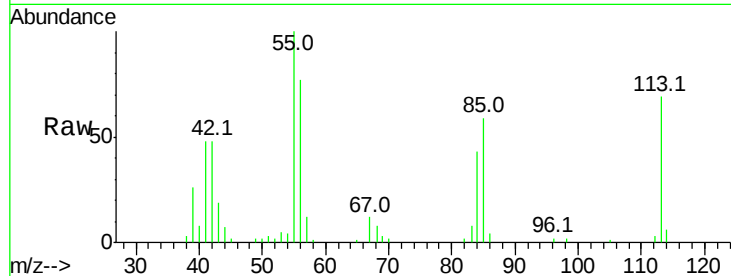
Tot Ion:113 Resp: 35122

Ion Ratio Lower Upper

113 100

55 145.3 150.2 190.2#

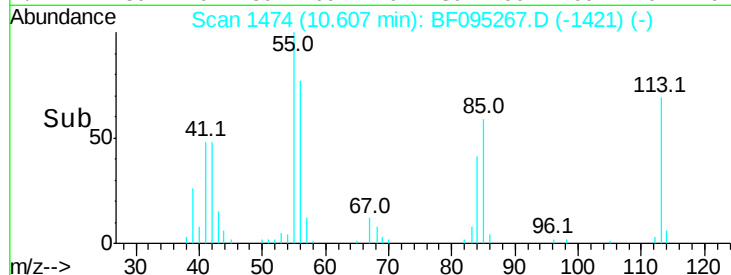
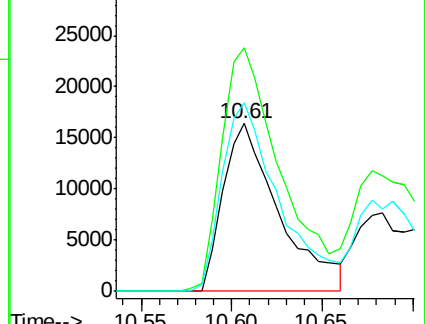
56 112.5 107.8 147.8



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: 46.42 ng

RT: 10.81 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

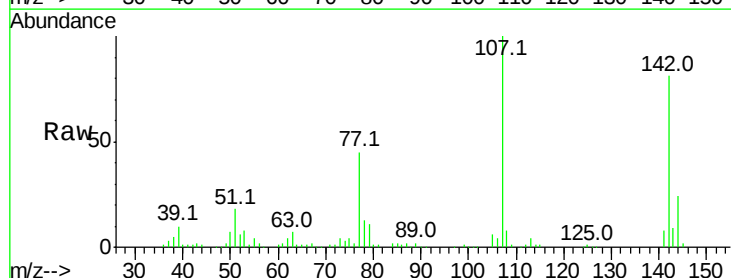
Tgt Ion:107 Resp: 249650

Ion Ratio Lower Upper

107 100

144 24.4 24.2 36.4

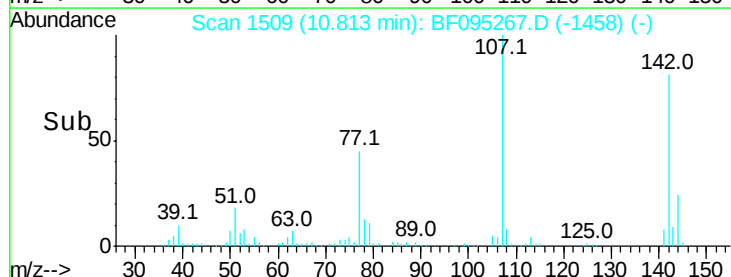
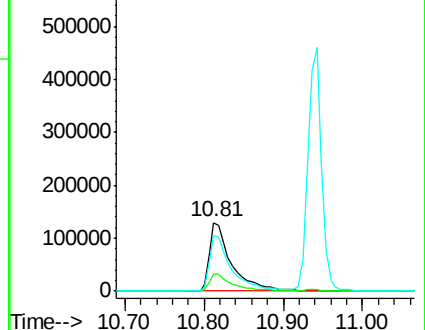
142 80.8 73.4 110.0

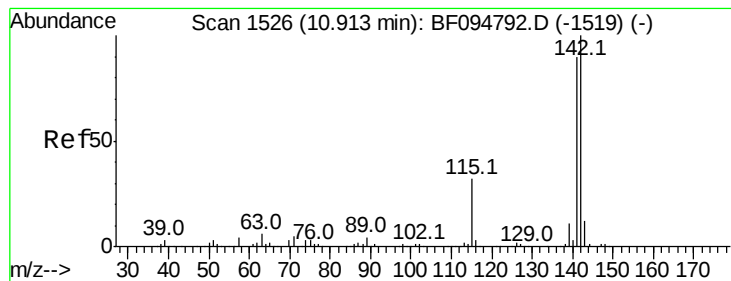


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.66 ng

RT: 10.94 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BF095267.D

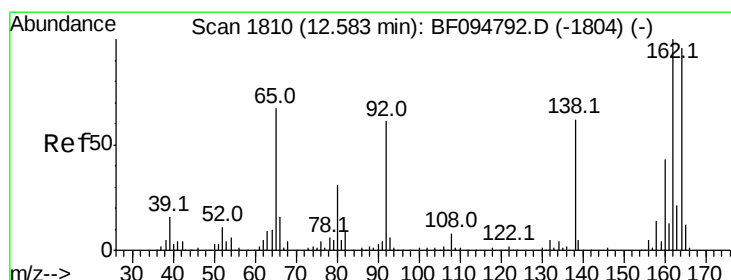
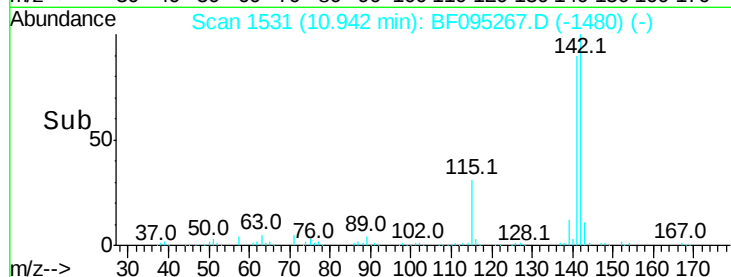
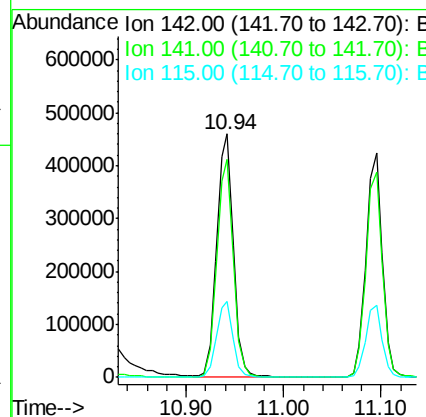
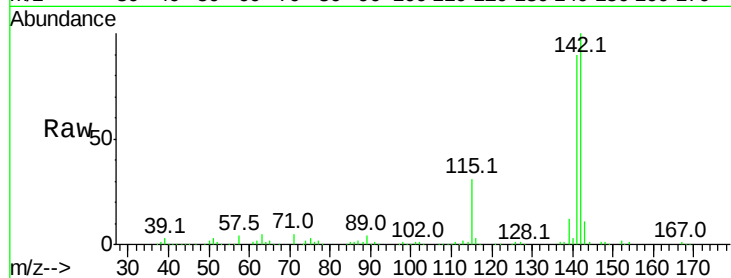
Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 142   | Resp: | 541107 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 89.8  | 71.3  | 106.9  |
| 115      | 31.0  | 27.1  | 40.7   |



#38

Acenaphthene-d10

Concen: 20.00 ng

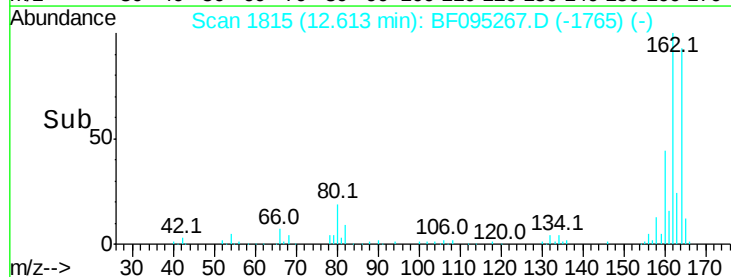
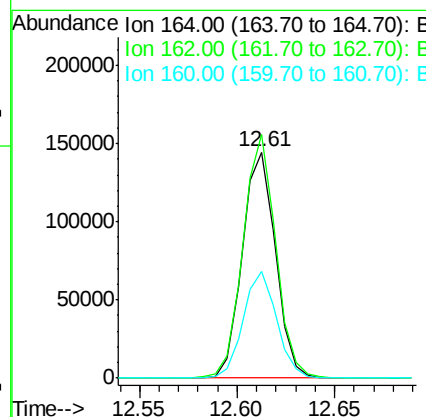
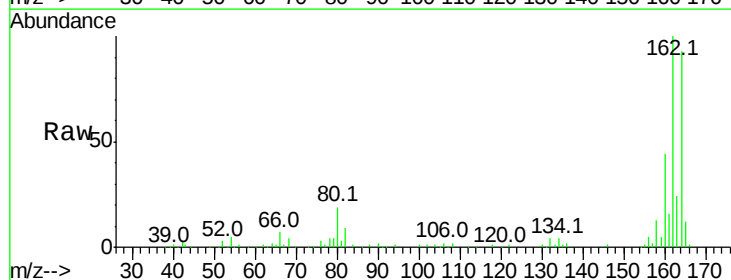
RT: 12.61 min Scan# 1815

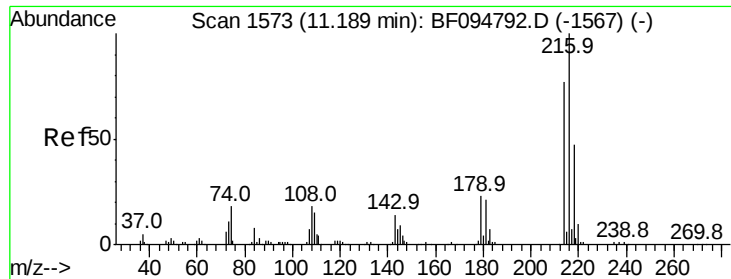
Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 170064 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 107.7 | 82.6  | 123.8  |
| 160      | 47.2  | 36.2  | 54.2   |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.15 ng

RT: 11.22 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 220443

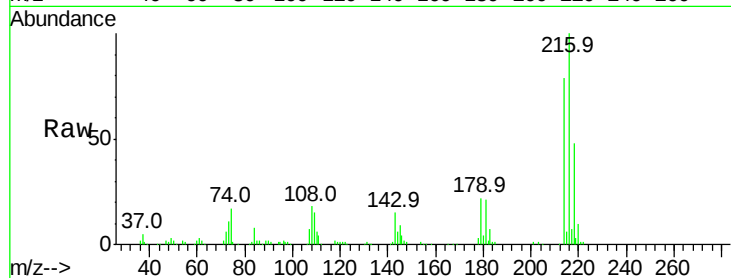
Ion Ratio Lower Upper

216 100

214 78.2 63.4 95.2

179 21.2 17.9 26.9

108 20.2 16.5 24.7

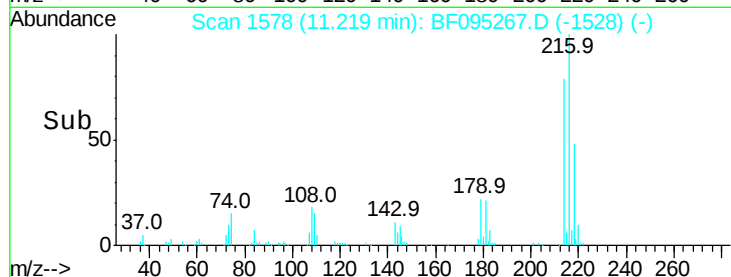


Abundance Ion 216.00 (215.70 to 216.70): E

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



Time-->



#40

Hexachlorocyclopentadiene

Concen: 70.11 ng

RT: 11.19 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

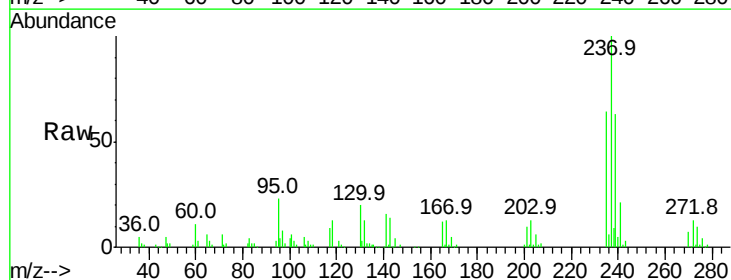
Tgt Ion:237 Resp: 152375

Ion Ratio Lower Upper

237 100

235 63.6 42.6 82.6

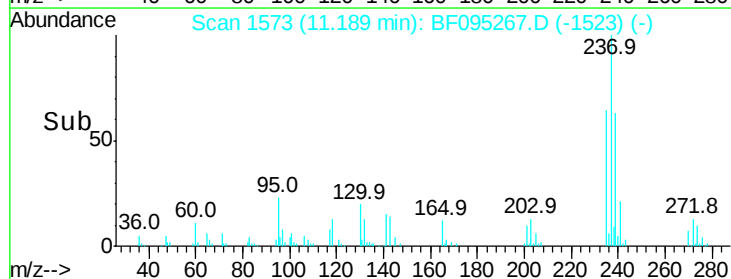
272 12.9 0.0 31.9



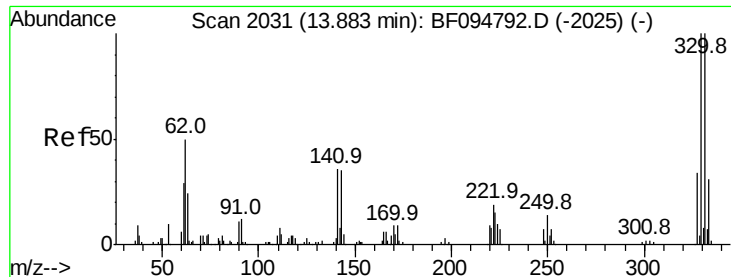
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



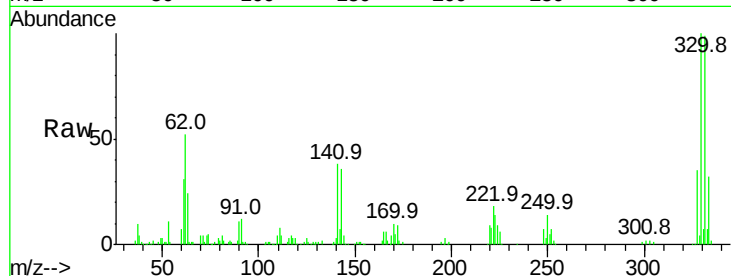
Time-->



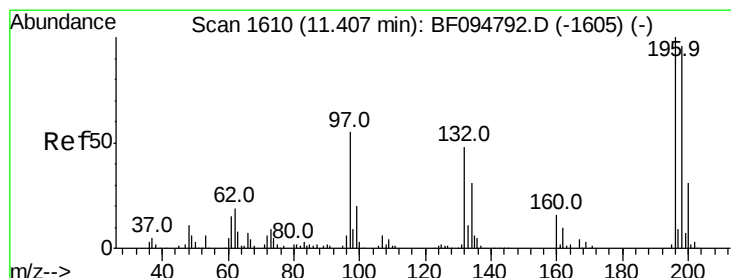
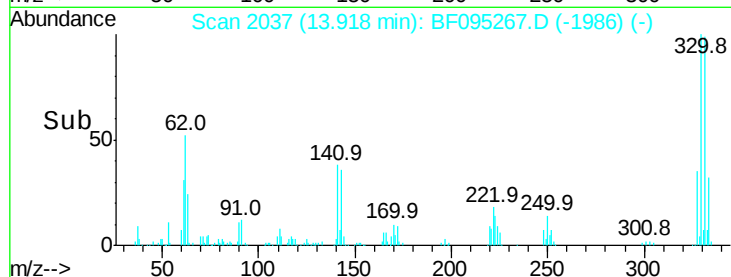
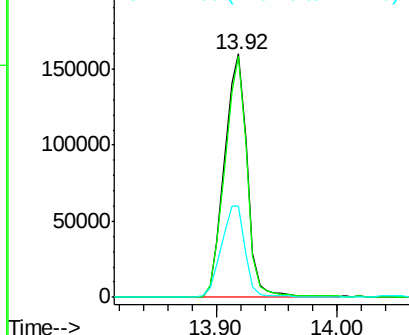
#41  
 2,4,6-Tribromophenol  
 Concen: 150.55 ng  
 RT: 13.92 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.6  | 115.0 |
| 141     | 39.4  | 31.4  | 47.2  |

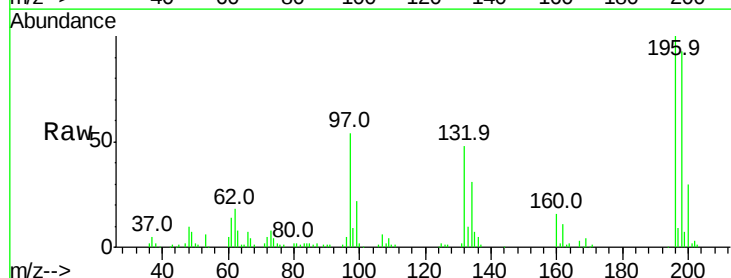


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

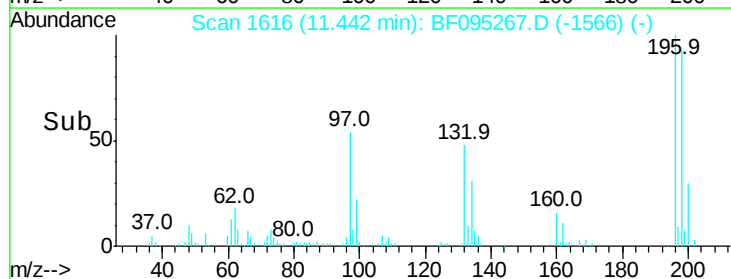
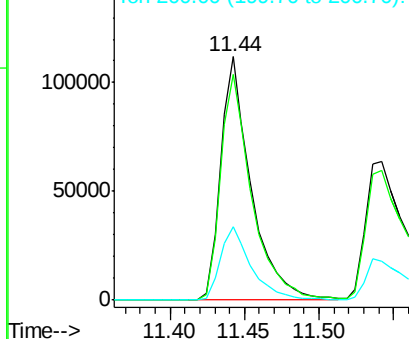


#42  
 2,4,6-Trichlorophenol  
 Concen: 45.91 ng  
 RT: 11.44 min Scan# 1616  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.6  | 74.2  | 111.4 |
| 200     | 30.4  | 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

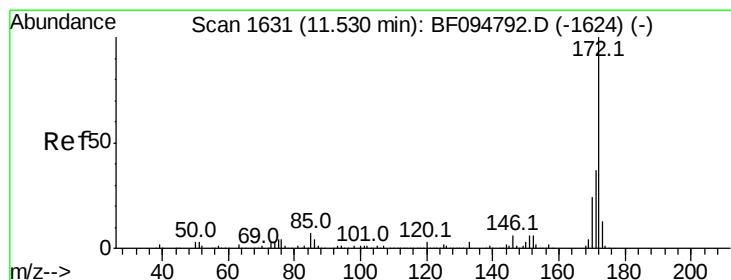
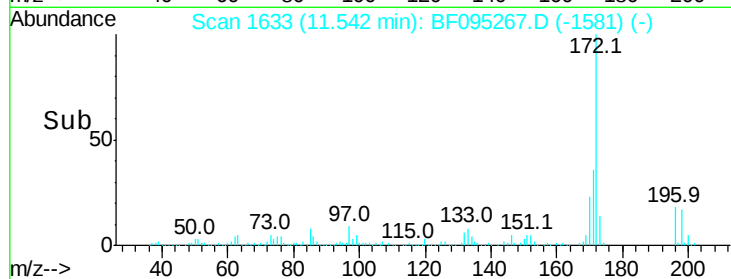
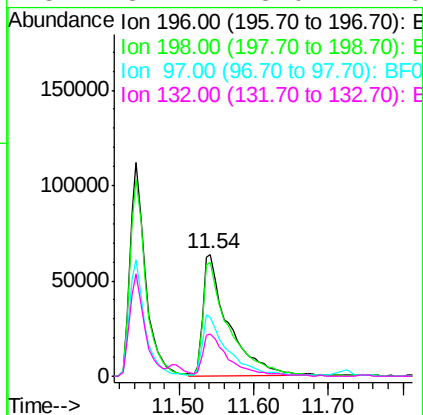
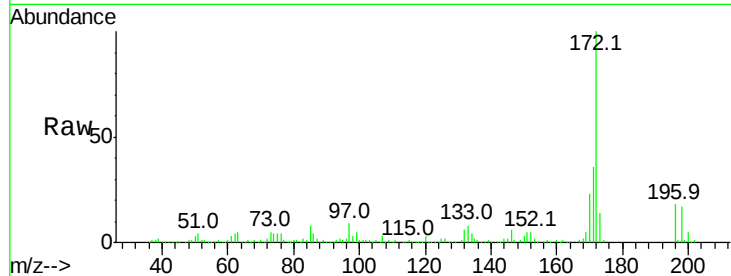




#43  
 2,4,5-Trichlorophenol  
 Concen: 40.47 ng  
 RT: 11.54 min Scan# 1633  
 Delta R.T. 0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

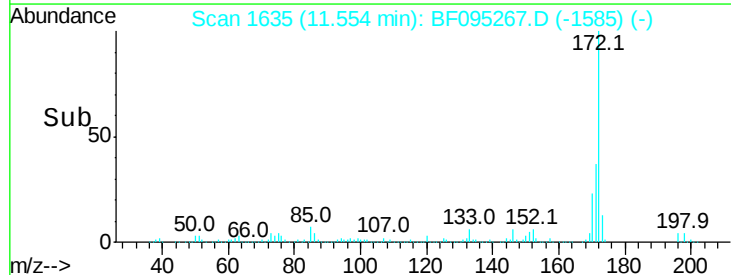
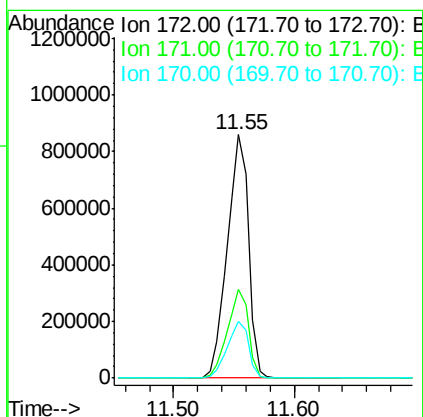
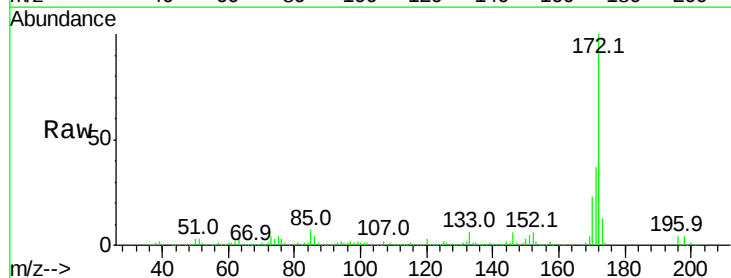
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 151868  
 Ion Ratio Lower Upper  
 196 100  
 198 93.6 75.7 113.5  
 97 47.9 47.7 71.5  
 132 34.7 28.0 42.0



#44  
 2-Fluorobiphenyl  
 Concen: 88.73 ng  
 RT: 11.55 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:172 Resp: 1048339  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.6 44.4  
 170 23.5 19.8 29.8

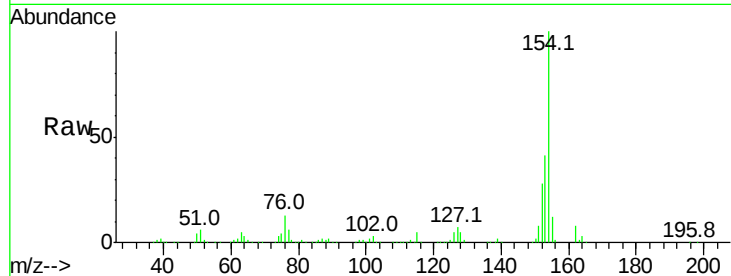




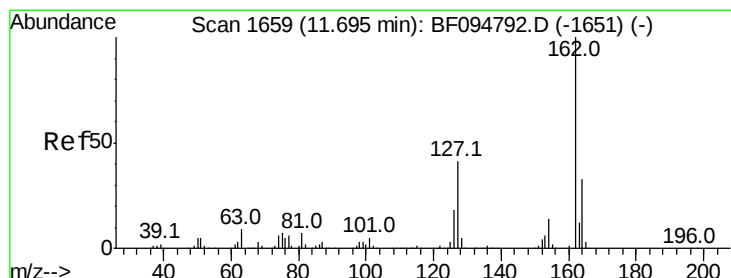
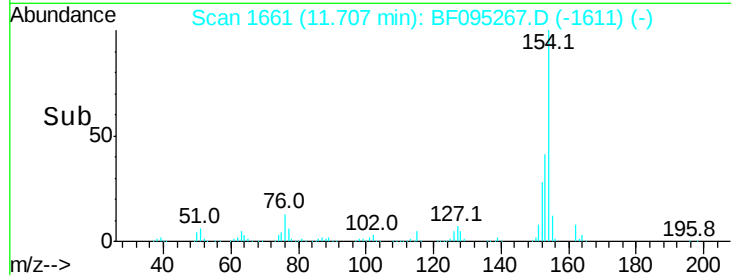
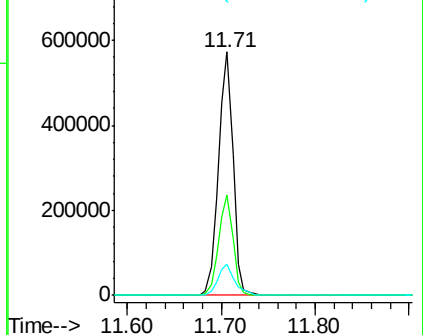
#45  
 1,1'-Biphenyl  
 Concen: 43.76 ng  
 RT: 11.71 min Scan# 1661  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 21.2  | 61.2  |
| 76      | 12.5  | 0.0   | 29.9  |

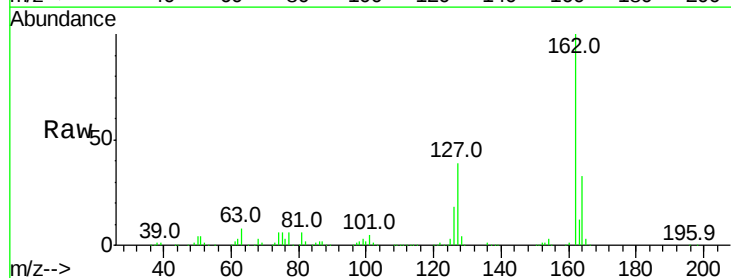


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

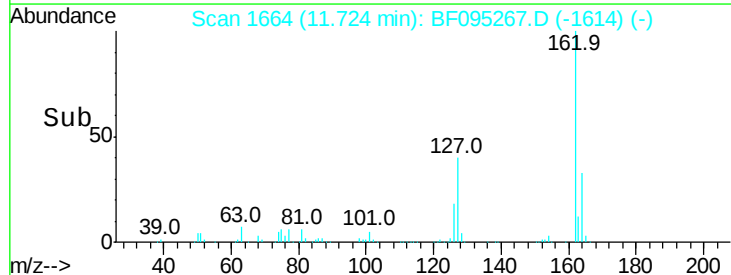
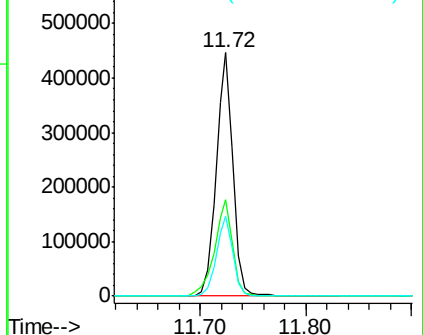


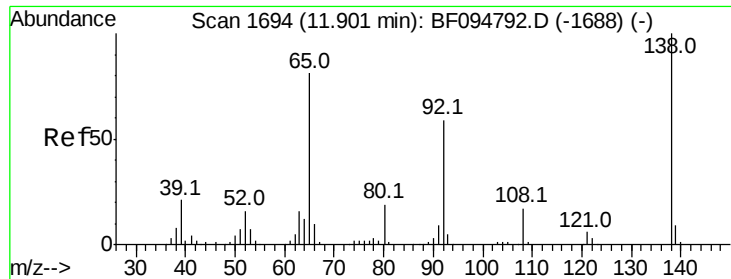
#46  
 2-Chloronaphthalene  
 Concen: 42.91 ng  
 RT: 11.72 min Scan# 1664  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.5  | 28.3  | 42.5  |
| 164     | 32.9  | 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

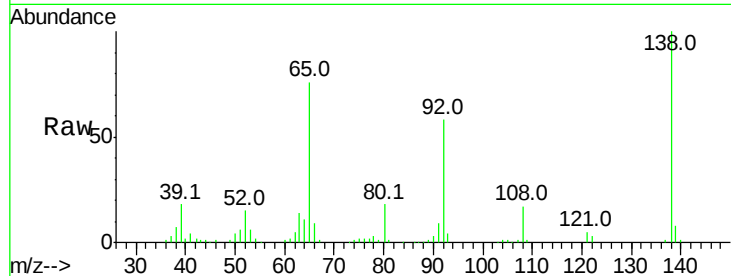




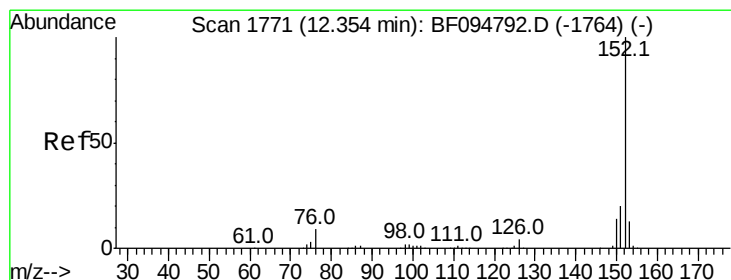
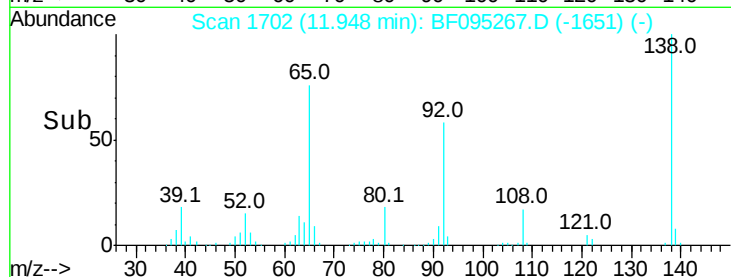
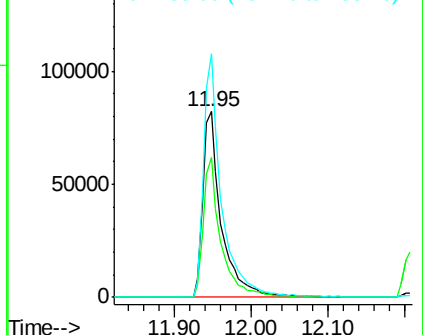
#47  
2-Nitroaniline  
Concen: 43.84 ng  
RT: 11.95 min Scan# 1702  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 138741  
Ion Ratio Lower Upper  
65 100  
92 75.4 53.9 80.9  
138 131.0 78.8 118.2#

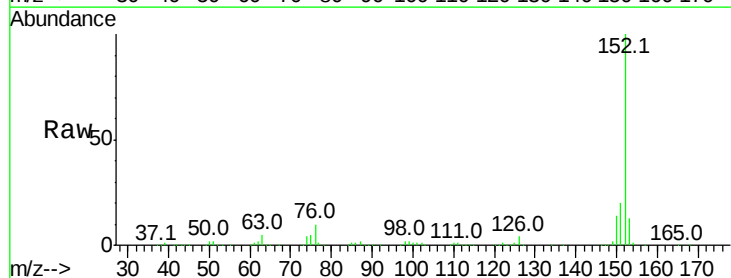


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

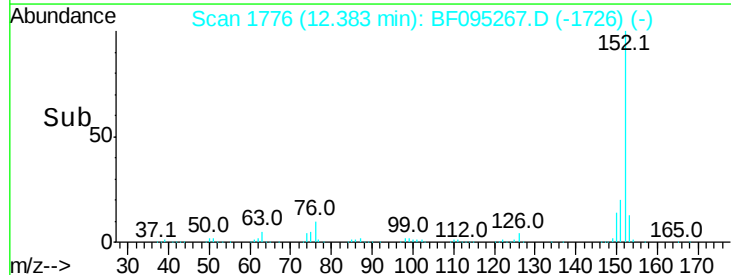
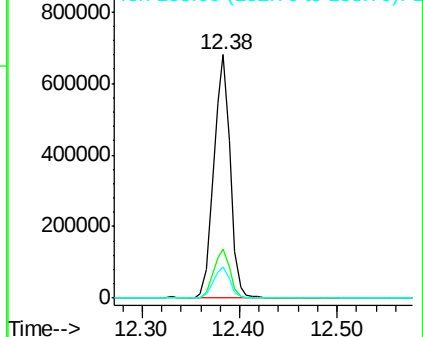


#48  
Acenaphthylene  
Concen: 43.58 ng  
RT: 12.38 min Scan# 1776  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion: 152 Resp: 789256  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.8 25.2  
153 13.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 42.78 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

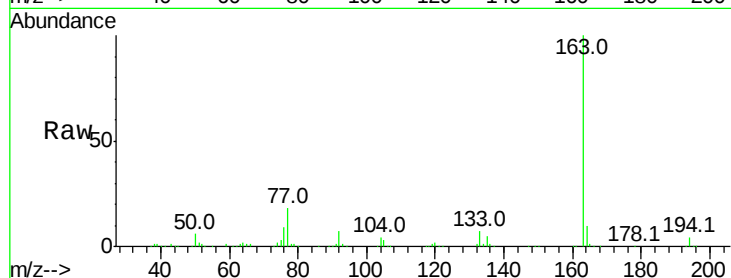
Tot Ion:163 Resp: 597242

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

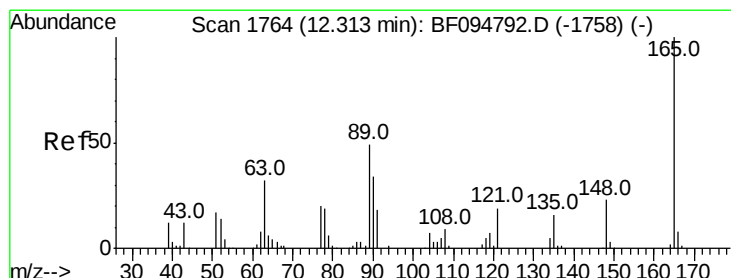
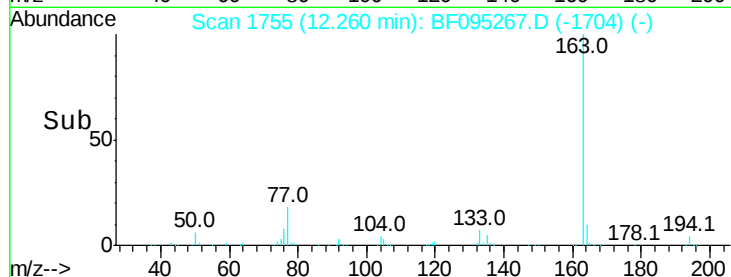
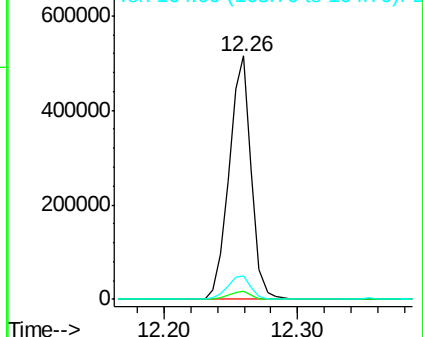
164 9.9 8.4 12.6



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: 46.75 ng

RT: 12.35 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

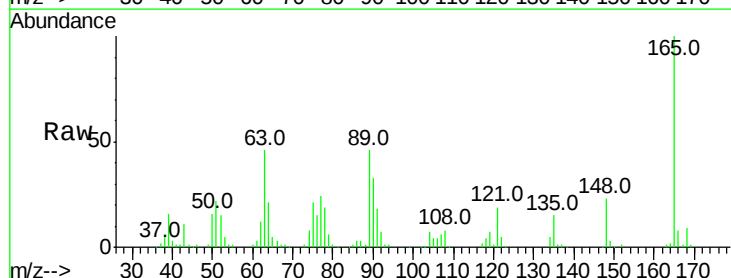
Tgt Ion:165 Resp: 133166

Ion Ratio Lower Upper

165 100

63 45.7 34.3 51.5

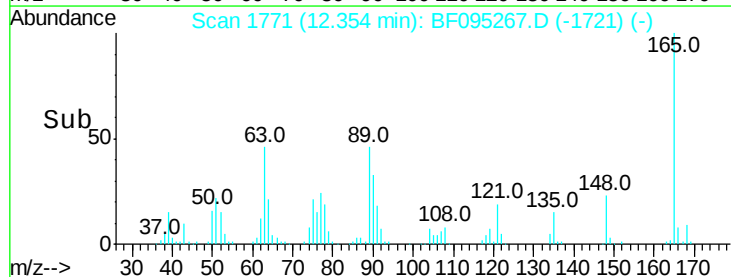
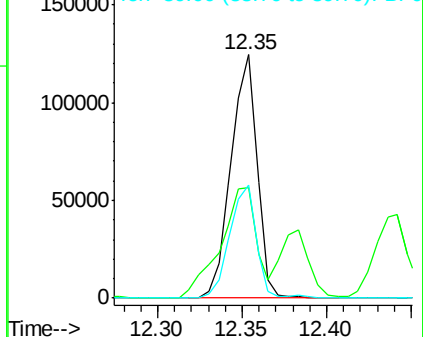
89 46.3 37.1 55.7

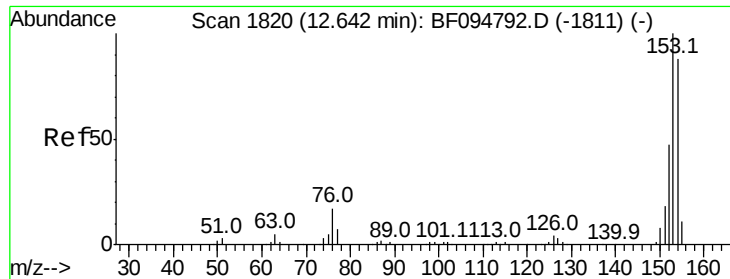


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.14 ng

RT: 12.67 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

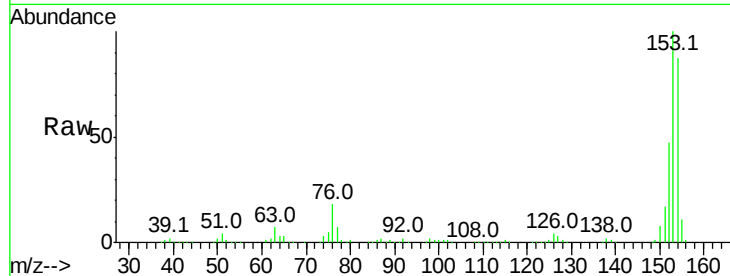
Tot Ion:154 Resp: 466583

Ion Ratio Lower Upper

154 100

153 114.7 90.5 135.7

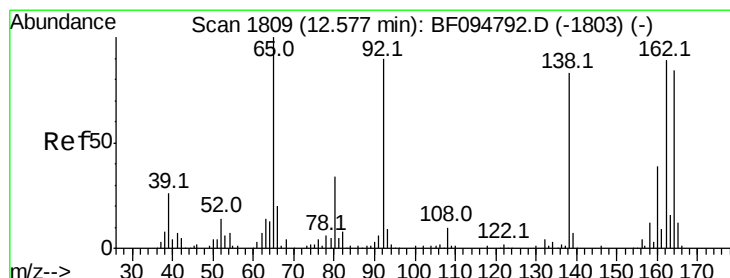
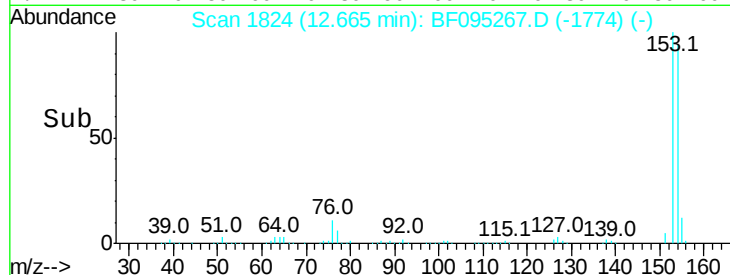
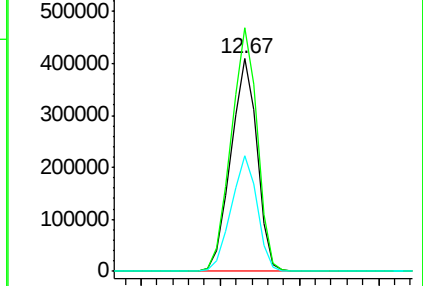
152 54.3 43.6 65.4



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: 29.21 ng

RT: 12.63 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

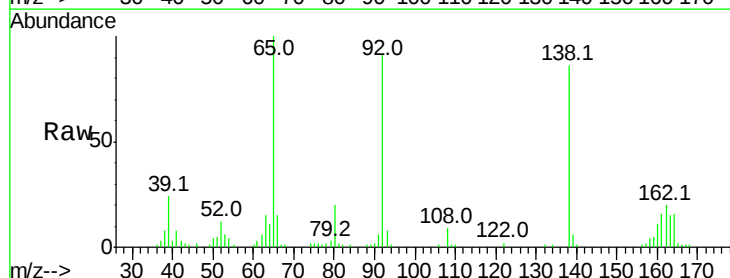
Tgt Ion:138 Resp: 89299

Ion Ratio Lower Upper

138 100

108 10.8 9.1 13.7

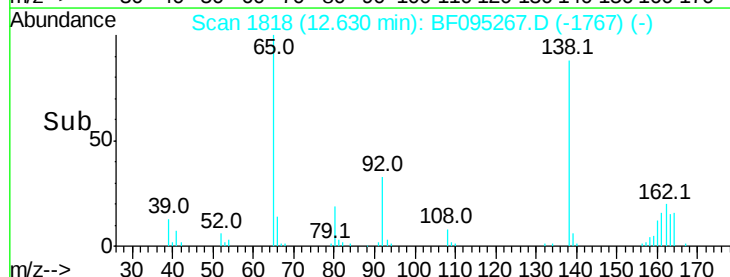
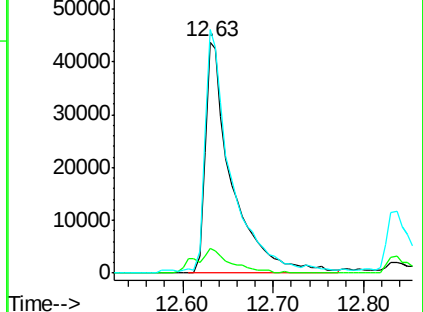
92 105.2 93.8 140.6

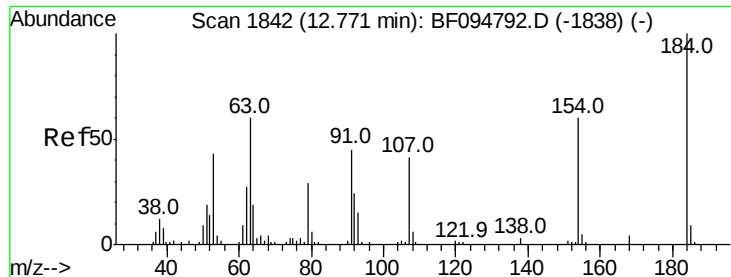


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

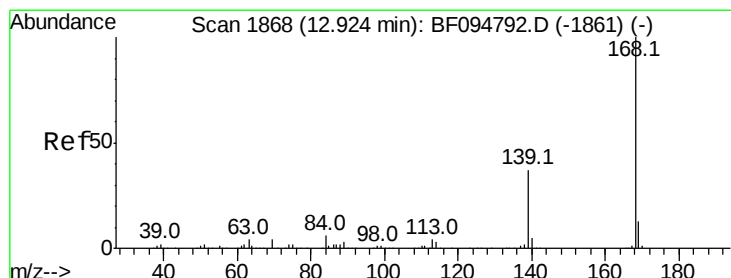
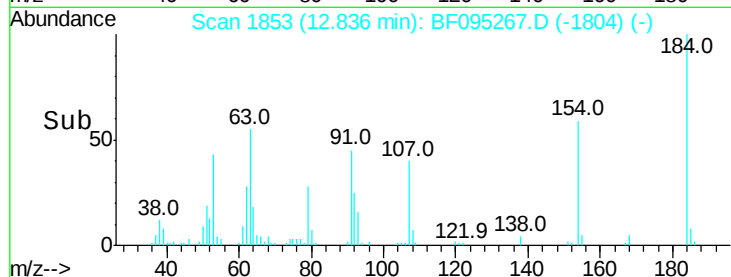
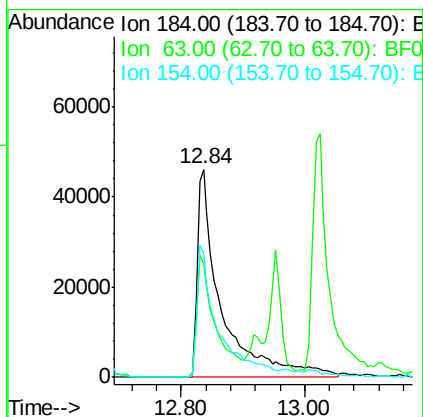
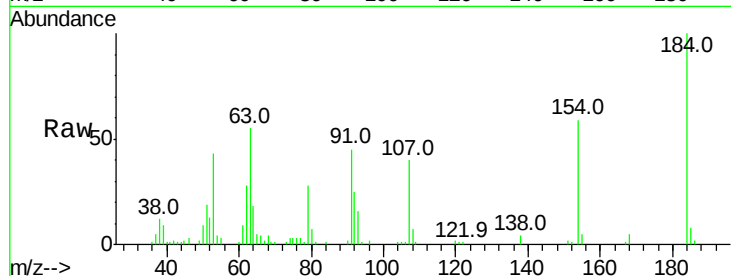




#53  
 2,4-Dinitrophenol  
 Concen: 79.19 ng  
 RT: 12.84 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

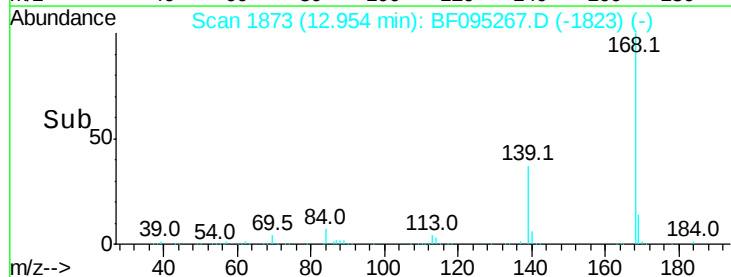
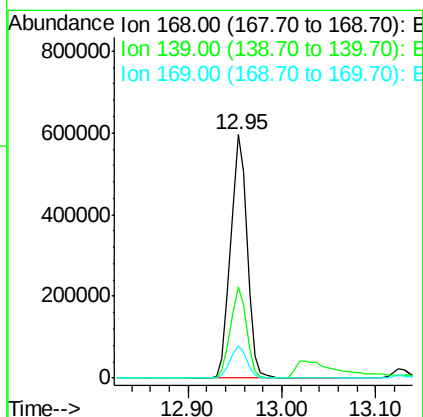
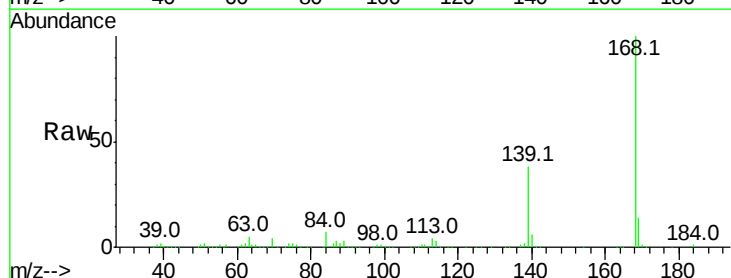
Instrument :  
 BNA\_F  
 ClientSampled :

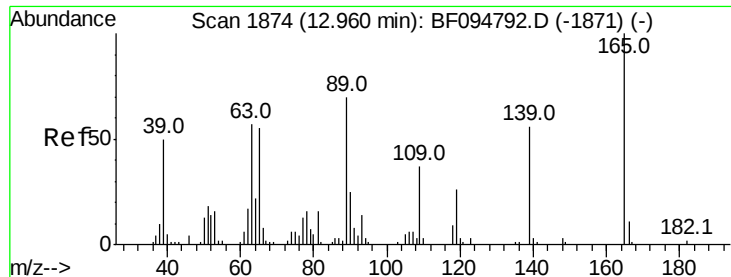
Tot Ion:184 Resp: 124128  
 Ion Ratio Lower Upper  
 184 100  
 63 54.7 62.7 94.1#  
 154 59.2 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 48.88 ng  
 RT: 12.95 min Scan# 1873  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:168 Resp: 731688  
 Ion Ratio Lower Upper  
 168 100  
 139 37.8 30.6 45.8  
 169 13.6 10.8 16.2

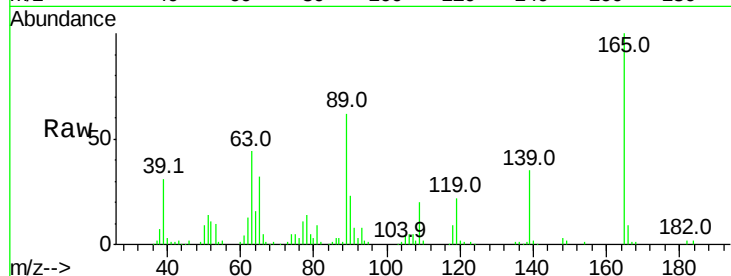




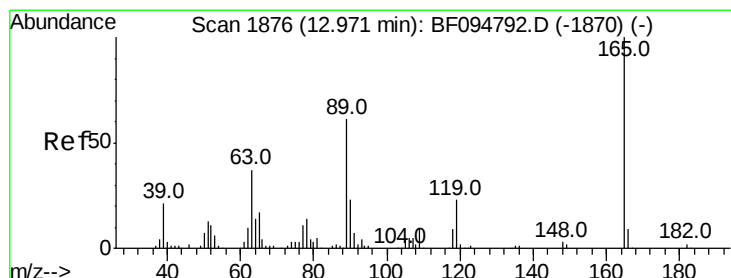
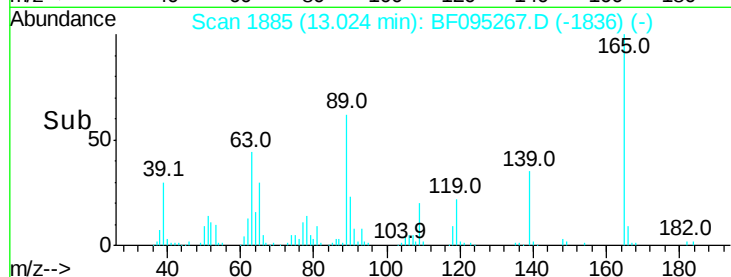
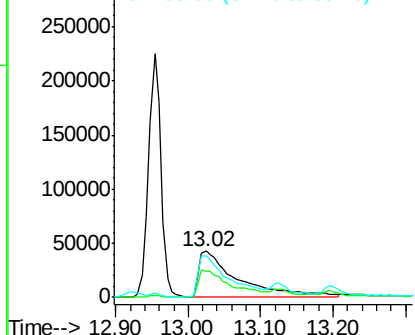
#55  
4-Nitrophenol  
Concen: 85.48 ng  
RT: 13.02 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:139 Resp: 156952  
Ion Ratio Lower Upper  
139 100  
109 57.0 34.1 74.1  
65 90.3 31.4 71.4#



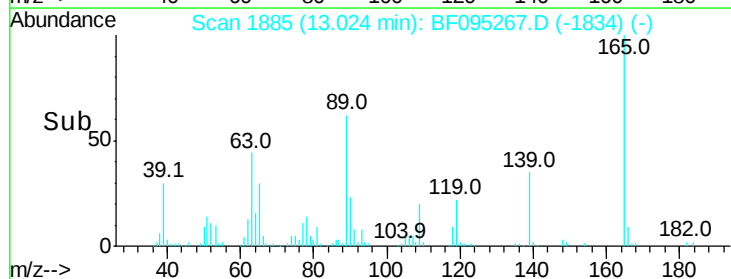
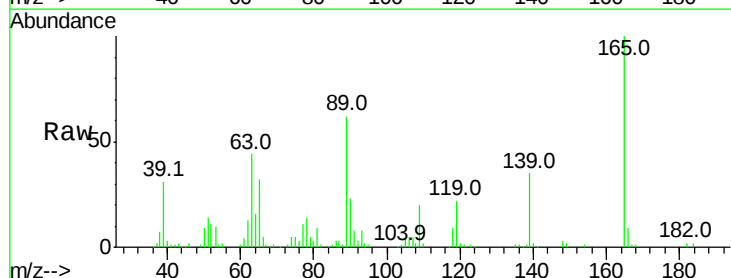
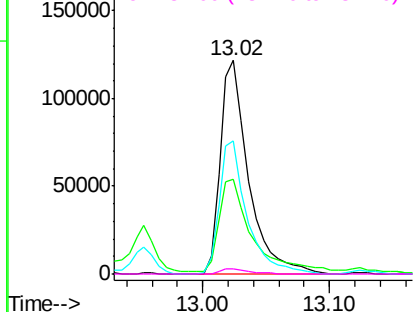
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

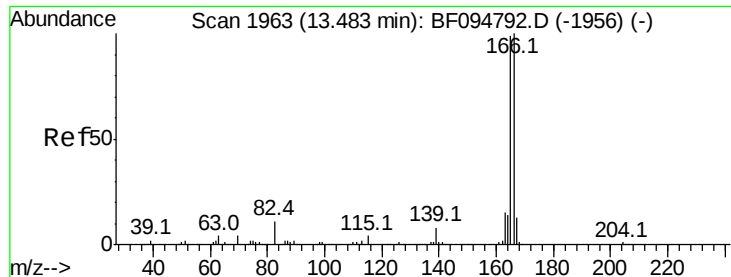


#56  
2,4-Dinitrotoluene  
Concen: 51.45 ng  
RT: 13.02 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:165 Resp: 188322  
Ion Ratio Lower Upper  
165 100  
63 44.4 25.4 38.0#  
89 62.4 46.4 69.6  
182 2.3 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: 45.55 ng

RT: 13.51 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

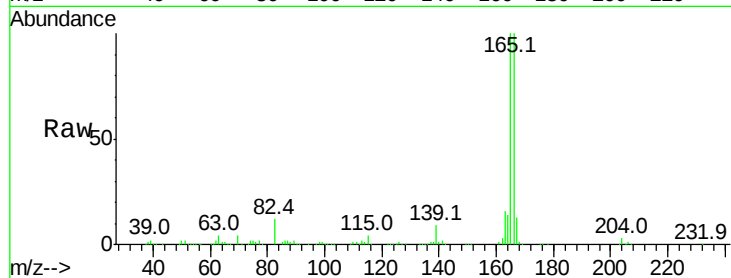
Tot Ion:166 Resp: 592779

Ion Ratio Lower Upper

166 100

165 100.1 78.8 118.2

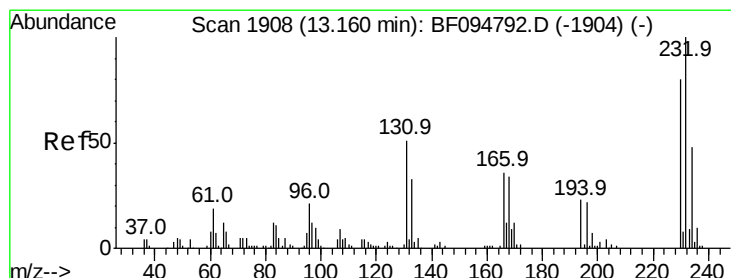
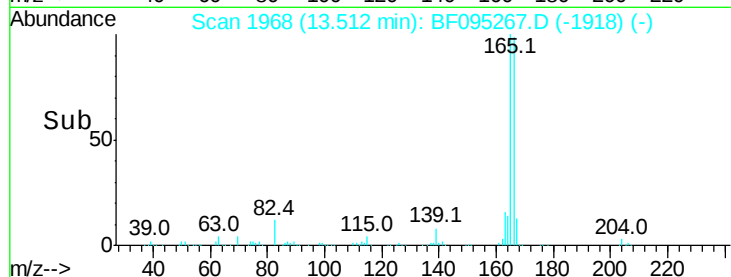
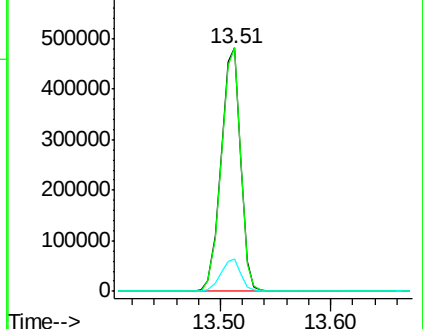
167 13.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.44 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Tgt Ion:232 Resp: 119137

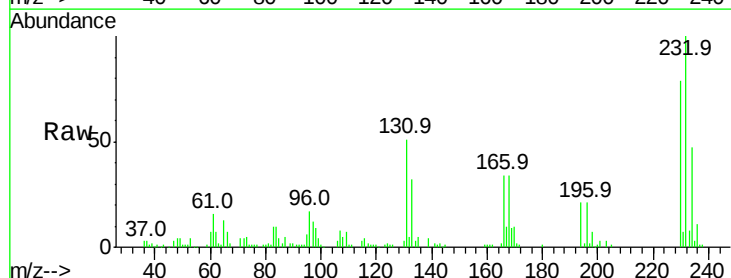
Ion Ratio Lower Upper

232 100

131 50.5 44.8 67.2

130 2.4 2.3 3.5

166 35.4 29.0 43.4

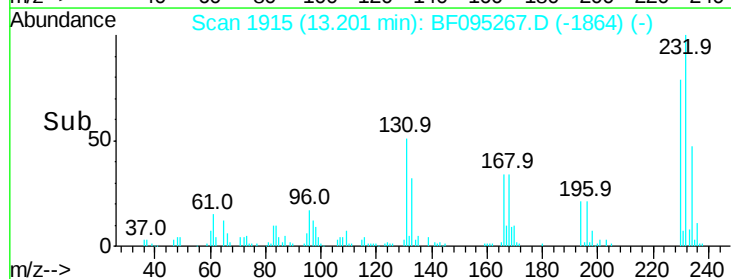
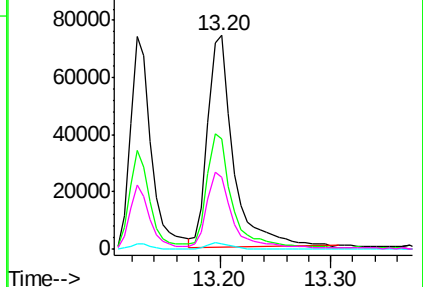


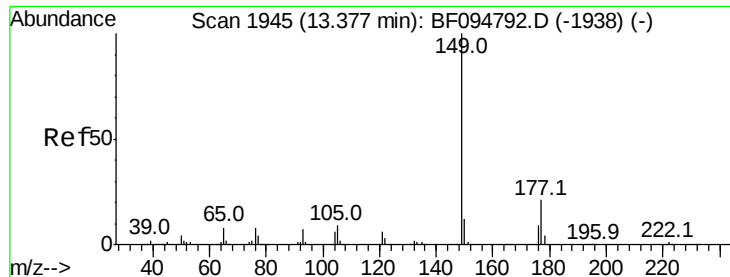
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

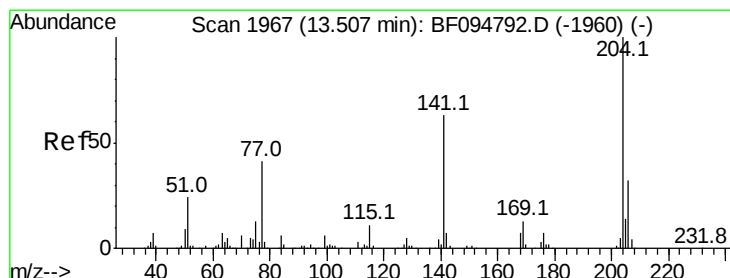
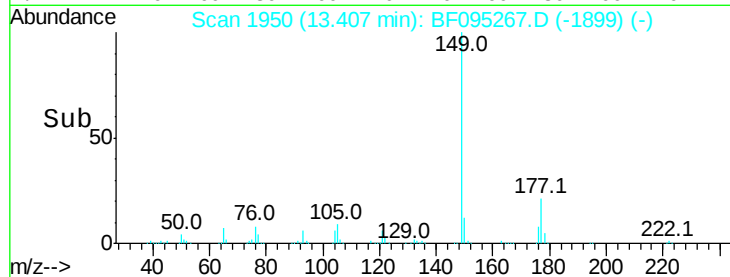
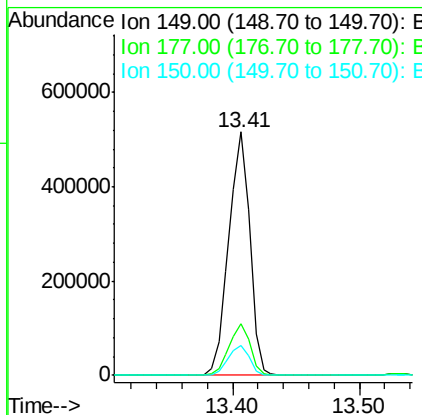
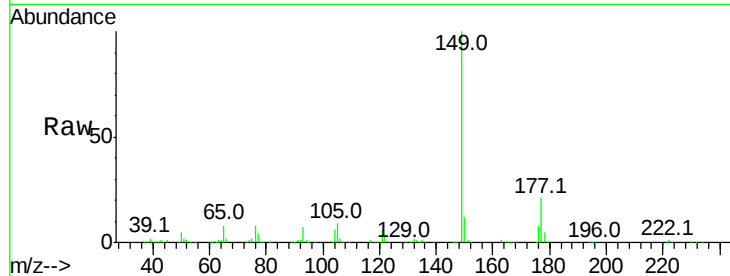




#59  
Diethylphthalate  
Concen: 44.29 ng  
RT: 13.41 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

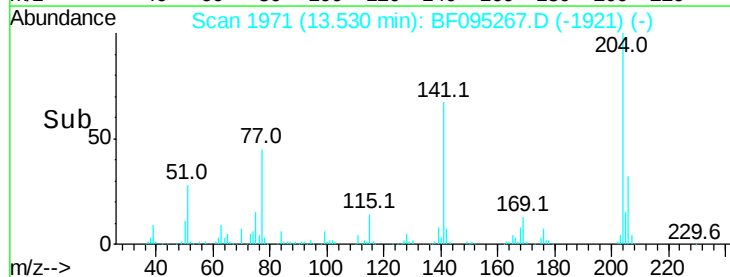
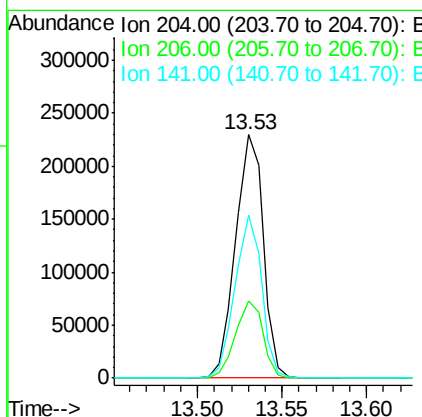
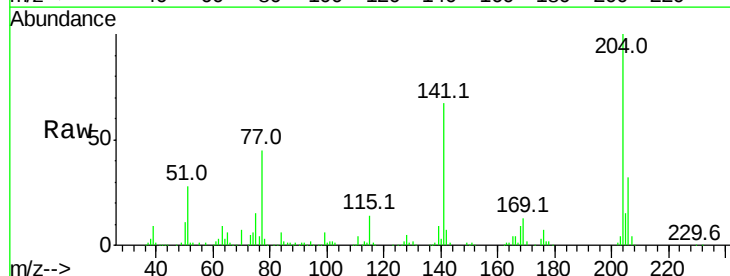
Instrument :  
BNA\_F  
ClientSampleId :

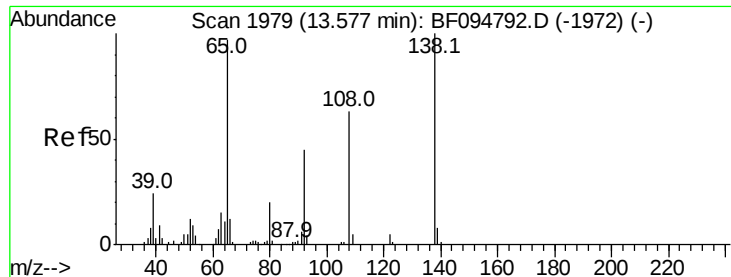
Tot Ion:149 Resp: 592687  
Ion Ratio Lower Upper  
149 100  
177 21.0 16.7 25.1  
150 12.1 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 46.00 ng  
RT: 13.53 min Scan# 1971  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:204 Resp: 263120  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.2 39.2  
141 66.9 60.8 91.2

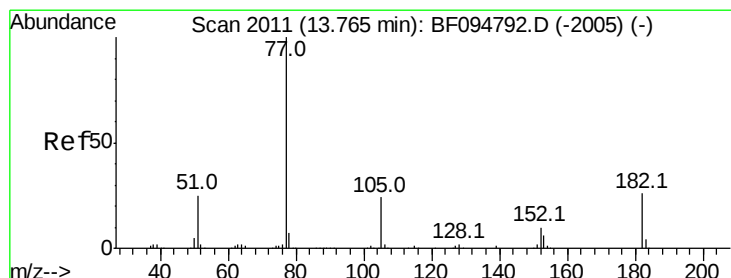
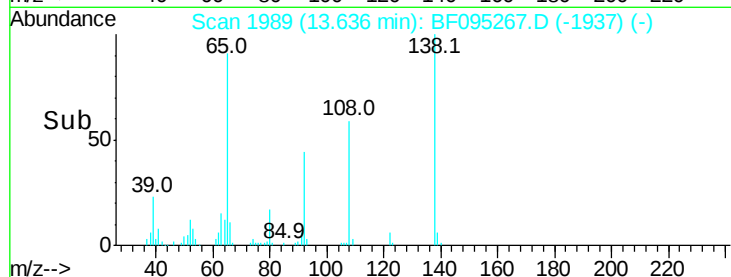
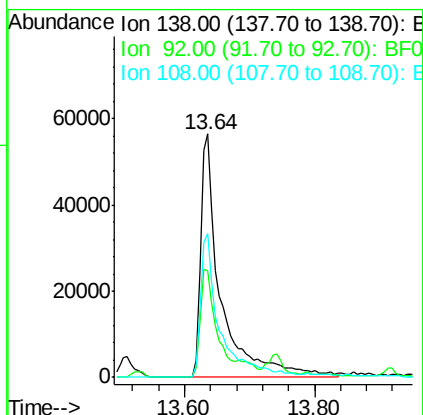
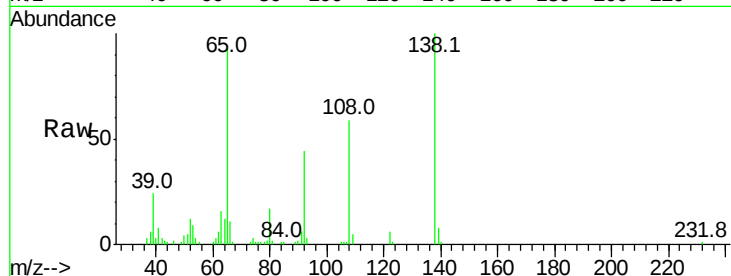




#61  
4-Nitroaniline  
Concen: 42.85 ng  
RT: 13.64 min Scan# 1989  
Delta R.T. 0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

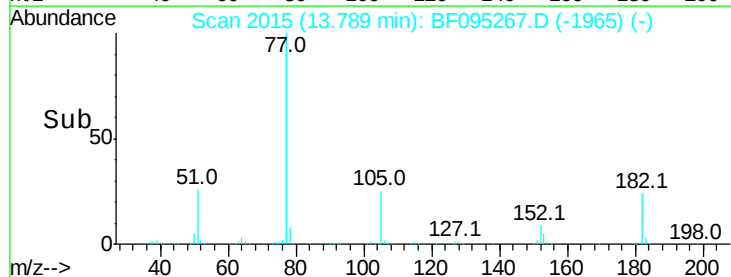
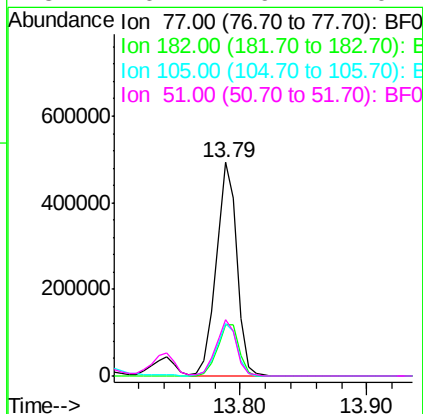
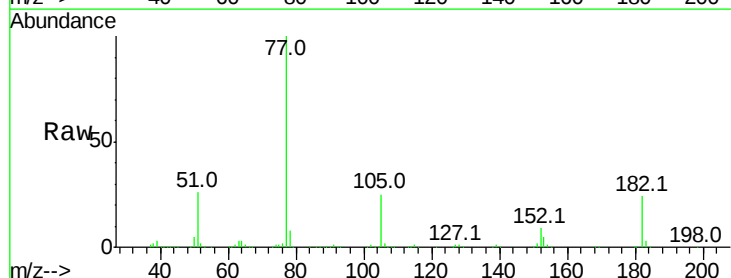
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 120270  
Ion Ratio Lower Upper  
138 100  
92 44.1 21.8 61.8  
108 58.9 42.3 82.3



#62  
Azobenzene  
Concen: 52.39 ng  
RT: 13.79 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion: 77 Resp: 563355  
Ion Ratio Lower Upper  
77 100  
182 24.2 0.1 40.1  
105 24.7 3.6 43.6  
51 26.1 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

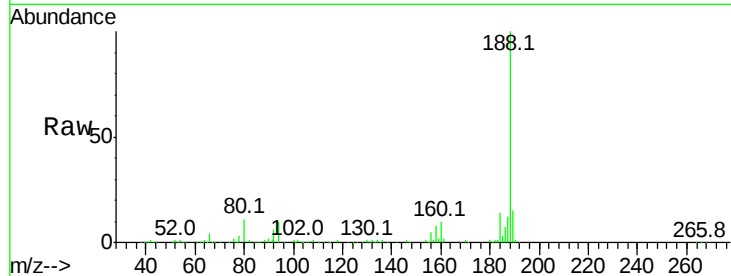
Tot Ion:188 Resp: 286529

Ion Ratio Lower Upper

188 100

94 9.8 9.4 14.2

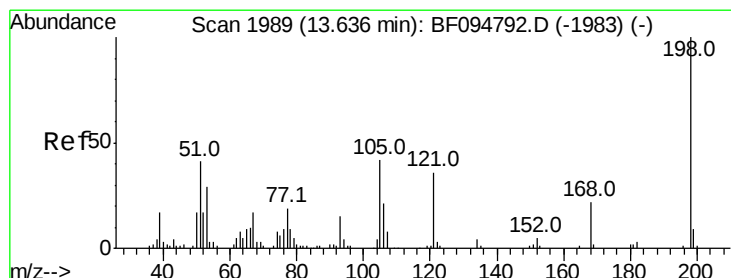
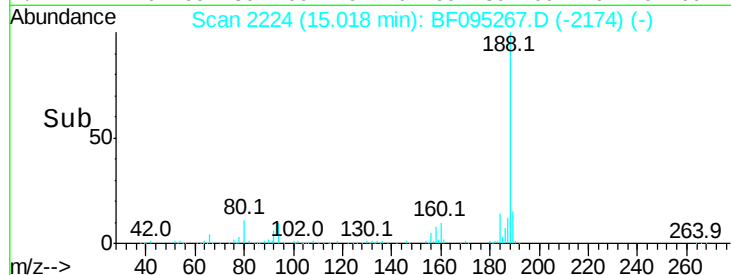
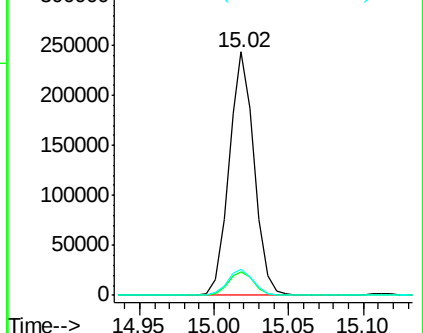
80 10.8 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 47.48 ng

RT: 13.69 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

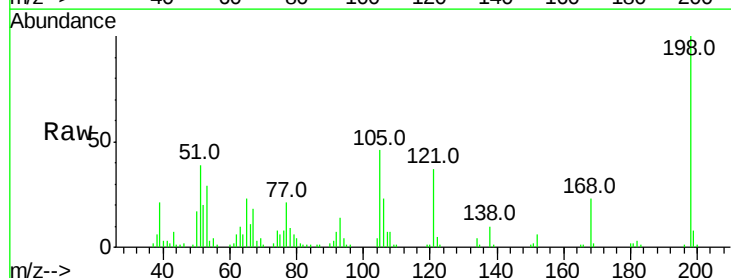
Tgt Ion:198 Resp: 91204

Ion Ratio Lower Upper

198 100

51 38.6 53.2 93.2#

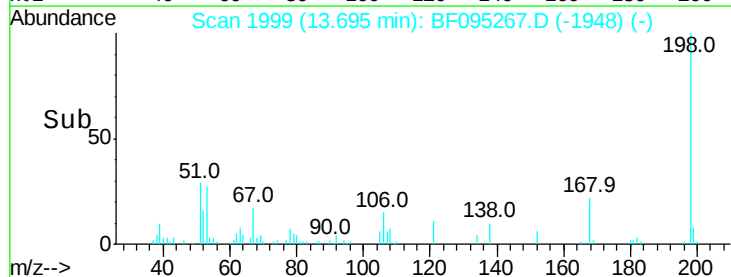
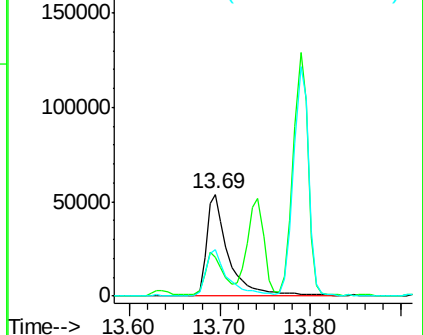
105 45.8 45.8 85.8

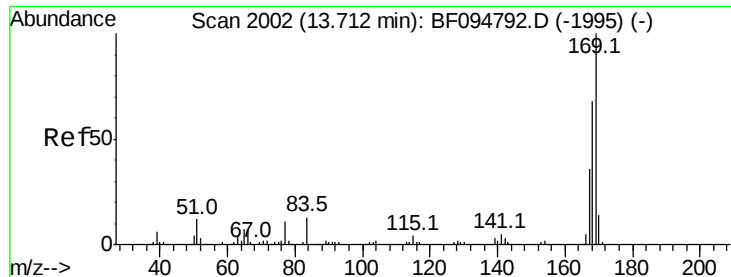


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

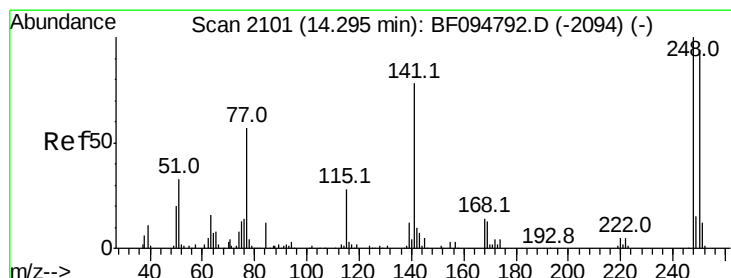
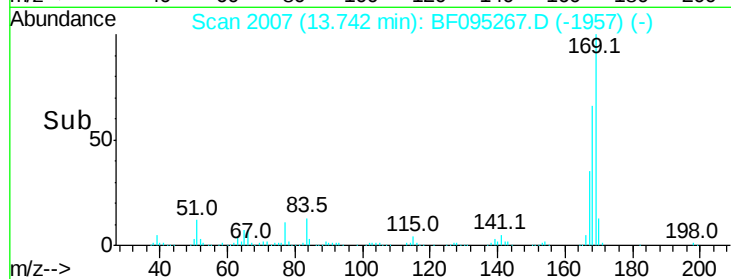
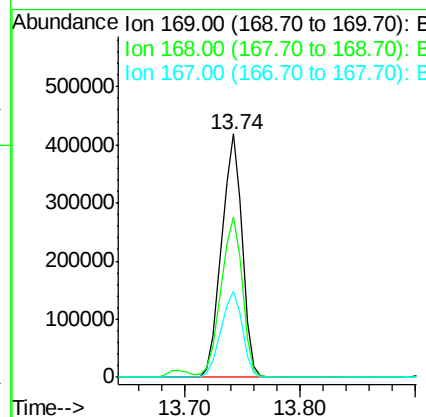
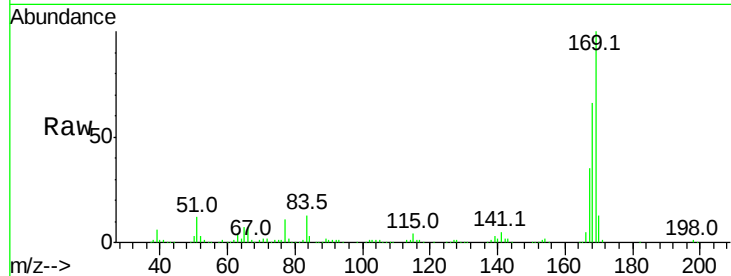




#65  
 n-Nitrosodiphenylamine  
 Concen: 49.85 ng  
 RT: 13.74 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

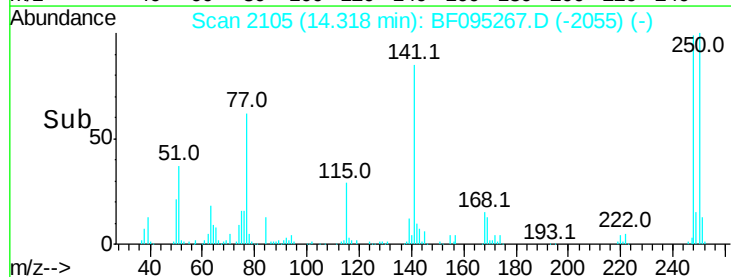
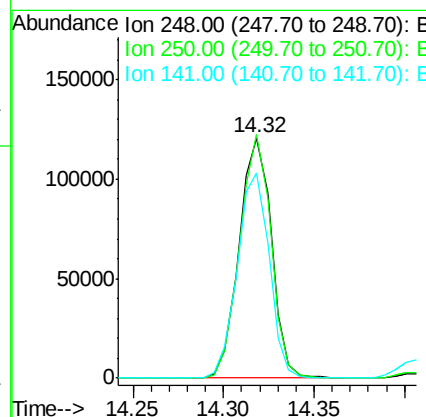
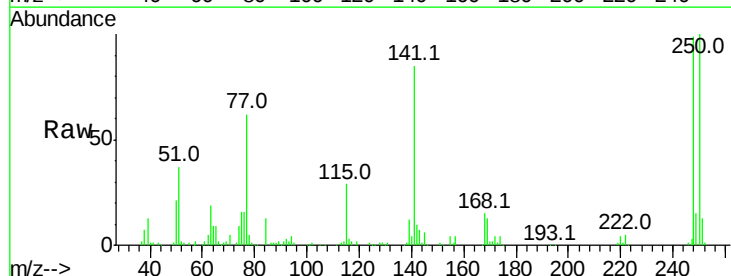
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 518443  
 Ion Ratio Lower Upper  
 169 100  
 168 66.1 53.2 79.8  
 167 35.2 29.5 44.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 49.24 ng  
 RT: 14.32 min Scan# 2105  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:248 Resp: 149066  
 Ion Ratio Lower Upper  
 248 100  
 250 101.4 76.8 115.2  
 141 85.7 68.6 103.0





#67

Hexachlorobenzene

Concen: 47.73 ng

RT: 14.41 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

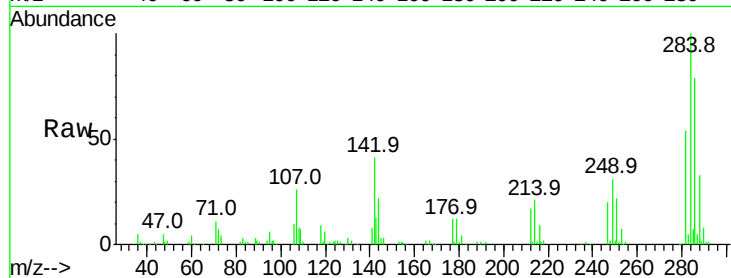
Tot Ion:284 Resp: 148082

Ion Ratio Lower Upper

284 100

142 41.2 22.8 34.2#

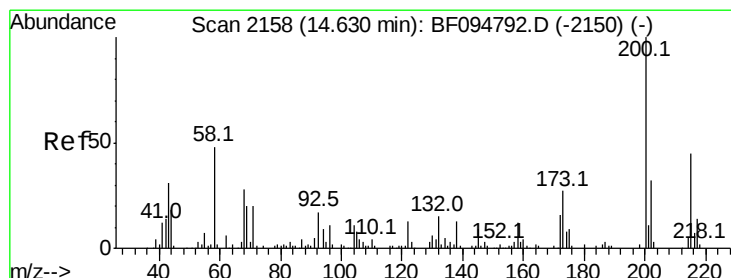
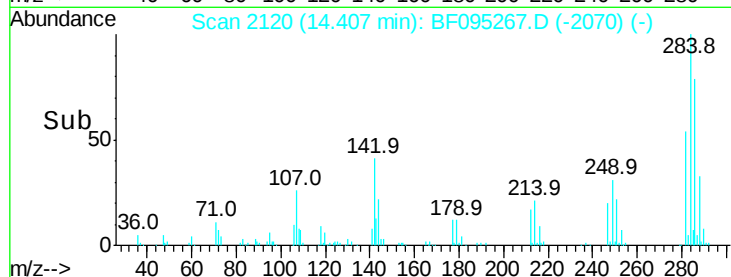
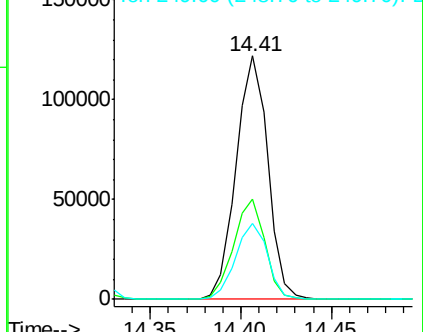
249 31.2 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 50.58 ng

RT: 14.67 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

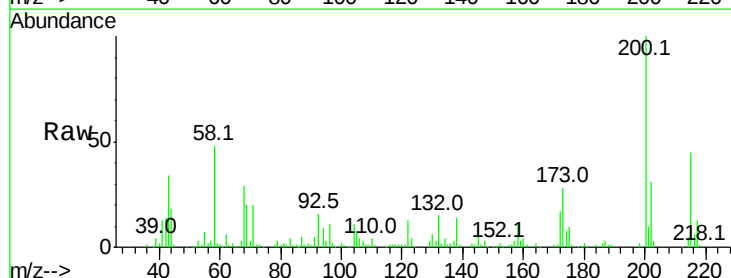
Tgt Ion:200 Resp: 148497

Ion Ratio Lower Upper

200 100

173 27.8 6.3 46.3

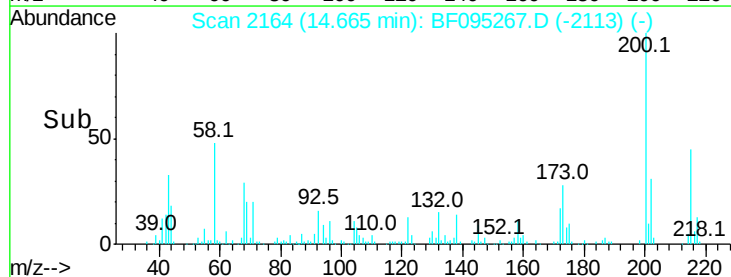
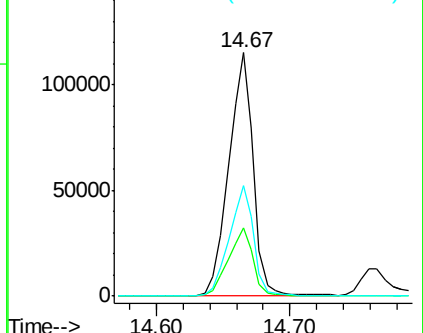
215 45.3 27.2 67.2

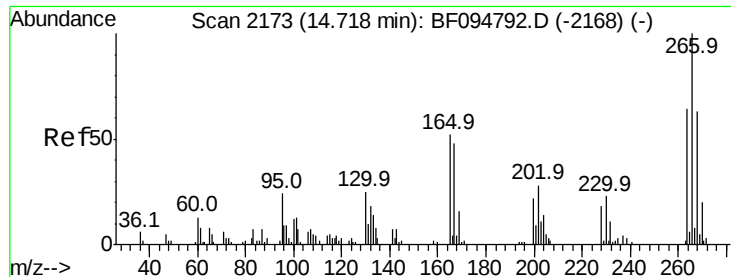


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

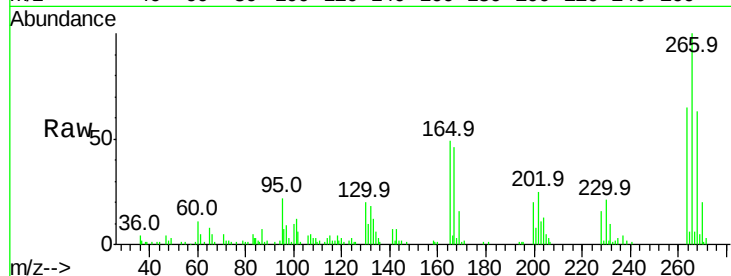




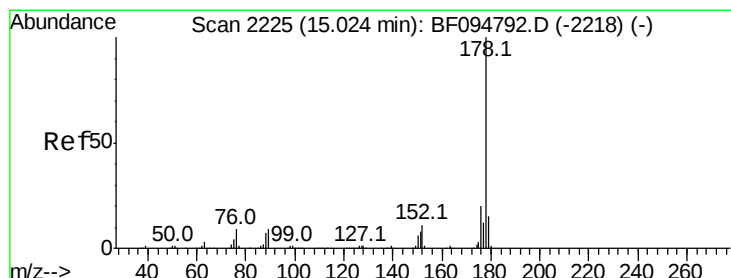
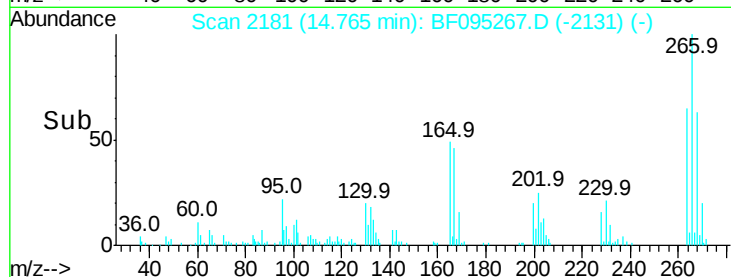
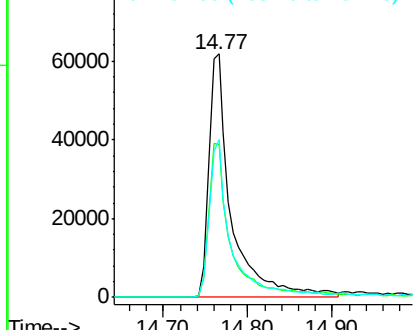
#69  
 Pentachlorophenol  
 Concen: 82.56 ng  
 RT: 14.77 min Scan# 2181  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 116090  
 Ion Ratio Lower Upper  
 266 100  
 268 62.7 51.1 76.7  
 264 65.0 51.7 77.5

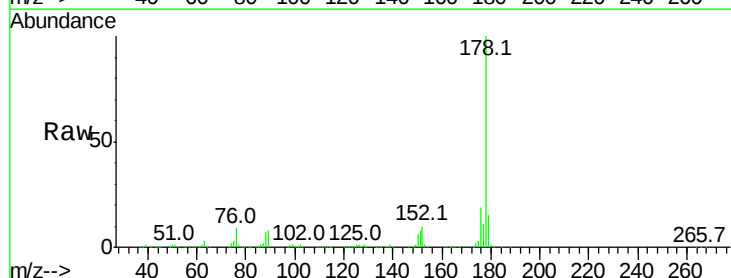


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

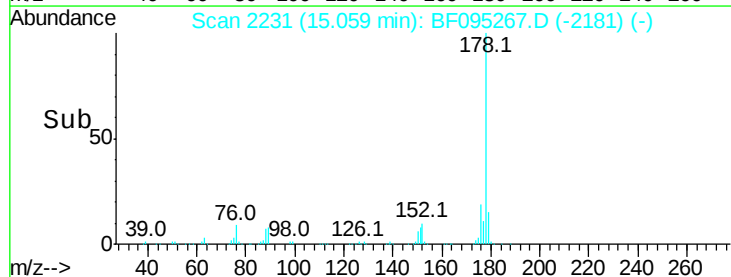
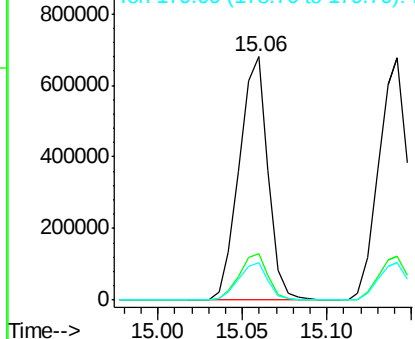


#70  
 Phenanthrene  
 Concen: 49.18 ng  
 RT: 15.06 min Scan# 2231  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:178 Resp: 809676  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.2 24.4  
 179 15.2 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

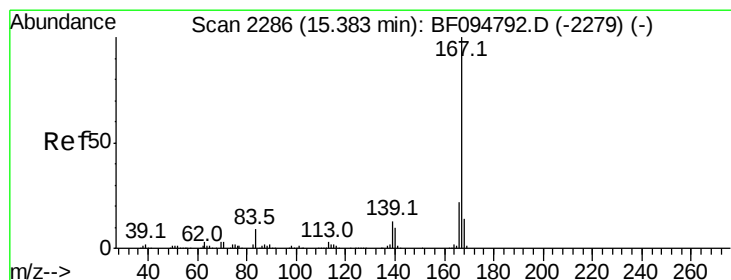
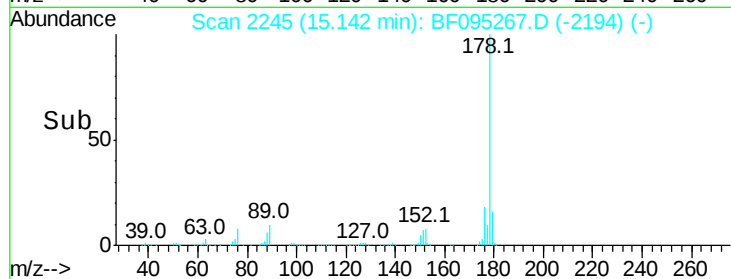
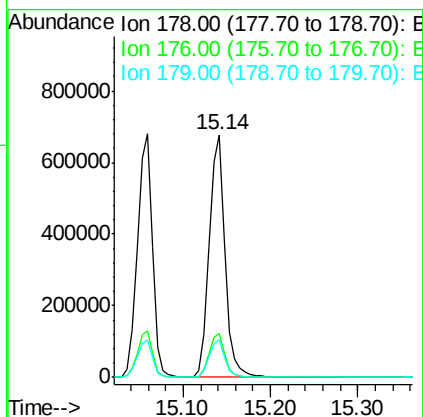
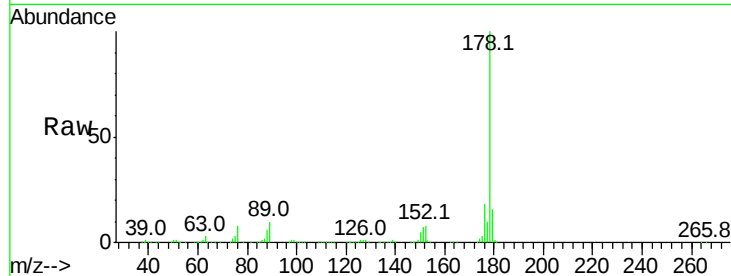




#71  
 Anthracene  
 Concen: 50.54 ng  
 RT: 15.14 min Scan# 2245  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

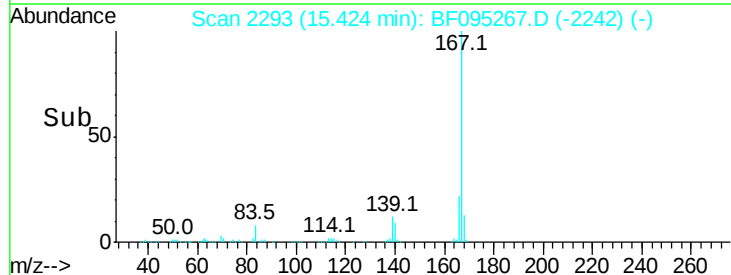
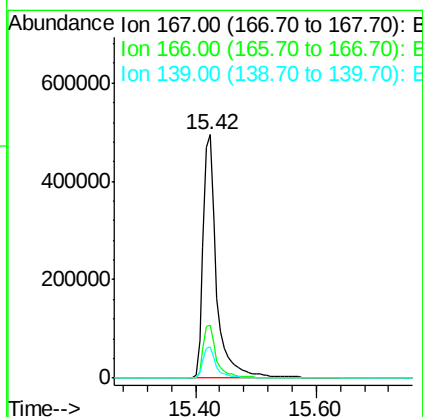
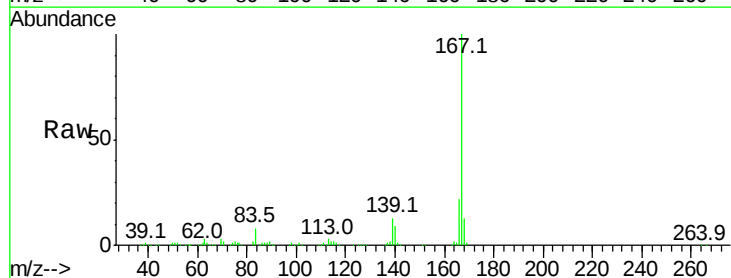
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 849981  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.8 23.8  
 179 15.7 12.7 19.1



#72  
 Carbazole  
 Concen: 50.76 ng  
 RT: 15.42 min Scan# 2293  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:167 Resp: 776706  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 18.1 27.1  
 139 12.6 11.7 17.5

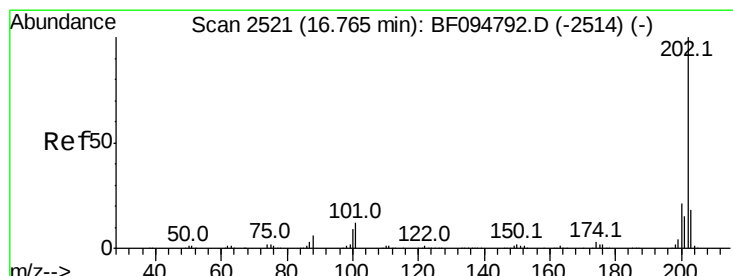
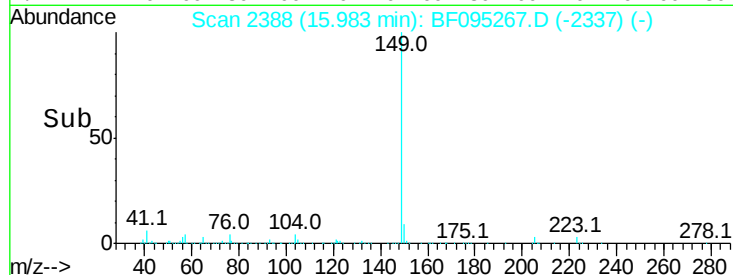
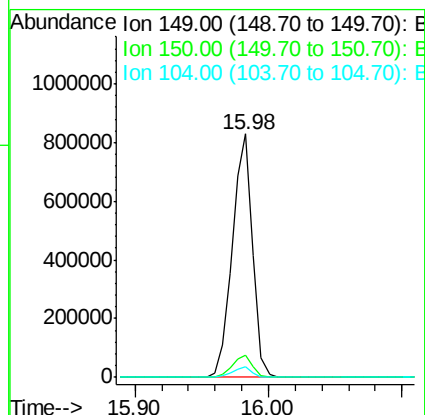
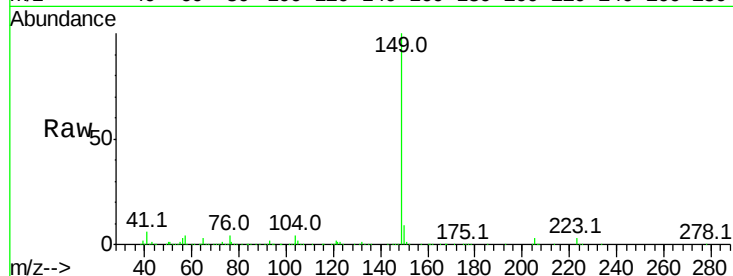




#73  
Di-n-butylphthalate  
Concen: 46.39 ng  
RT: 15.98 min Scan# 2388  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

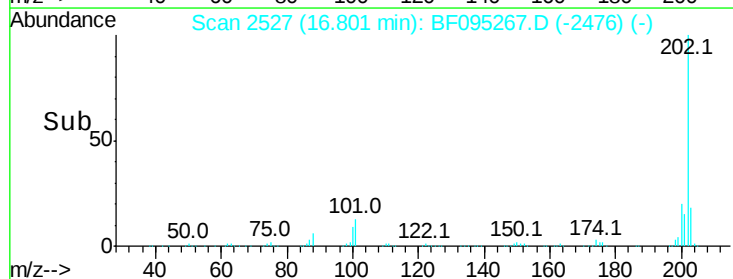
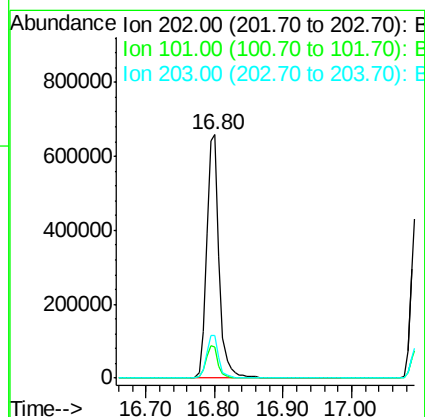
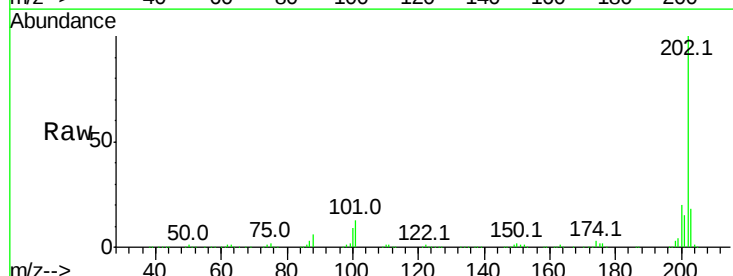
Instrument :  
BNA\_F  
ClientSampleId :

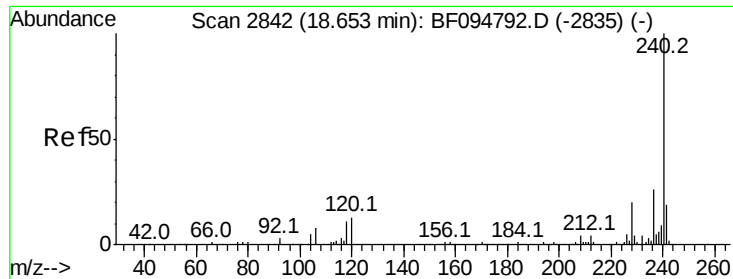
Tot Ion:149 Resp: 885118  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.7 11.5  
104 4.3 4.0 6.0



#74  
Fluoranthene  
Concen: 50.26 ng  
RT: 16.80 min Scan# 2527  
Delta R.T. 0.00 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:202 Resp: 848823  
Ion Ratio Lower Upper  
202 100  
101 12.7 0.0 33.2  
203 17.6 0.0 38.1

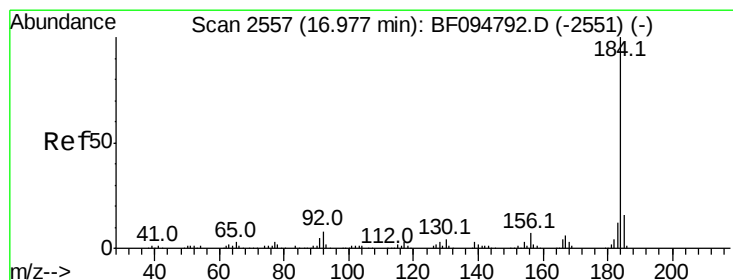
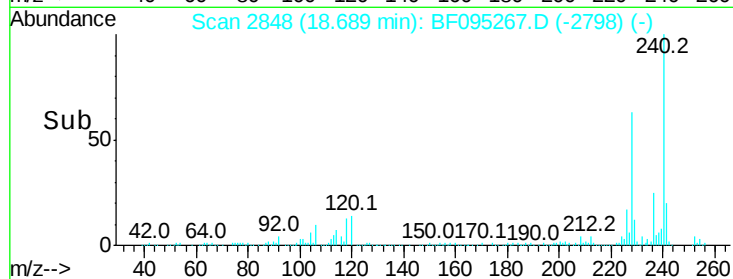
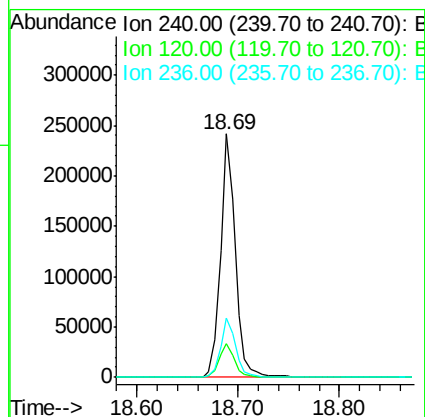
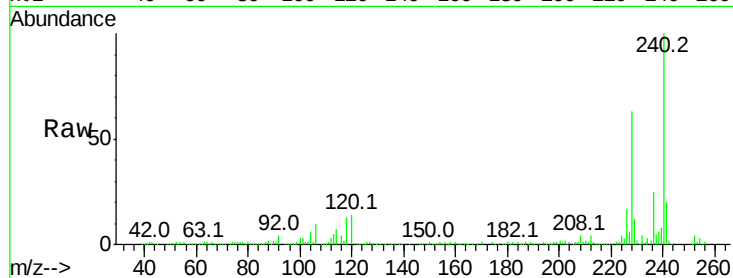




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.69 min Scan# 2848  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

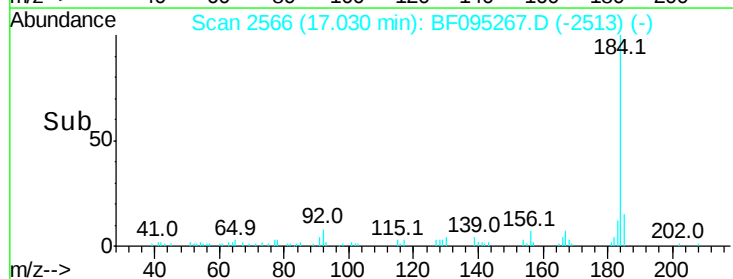
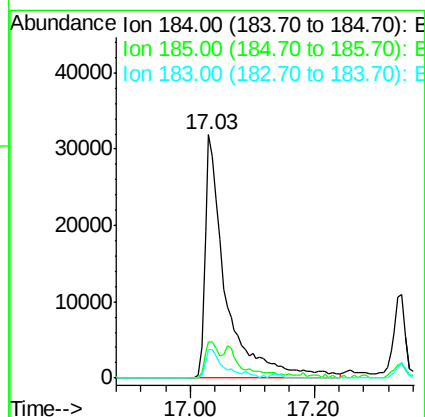
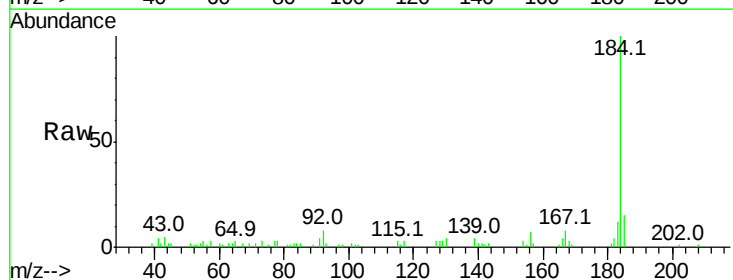
Instrument :  
BNA\_F  
ClientSampleId :

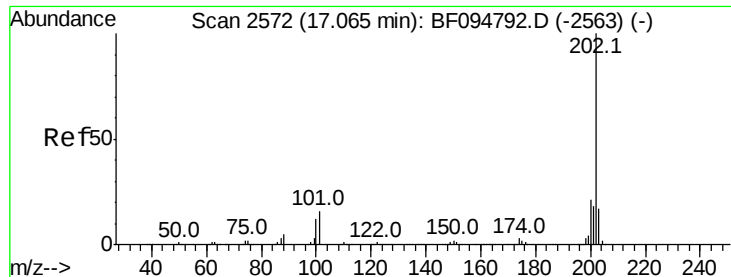
Tot Ion:240 Resp: 245735  
Ion Ratio Lower Upper  
240 100  
120 14.1 5.8 8.8#  
236 24.6 20.5 30.7



#76  
Benzidine  
Concen: 16.30 ng  
RT: 17.03 min Scan# 2566  
Delta R.T. 0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:184 Resp: 74798  
Ion Ratio Lower Upper  
184 100  
185 14.7 15.5 23.3#  
183 11.6 9.8 14.6

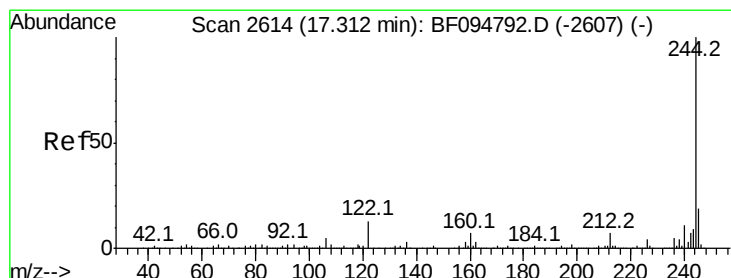
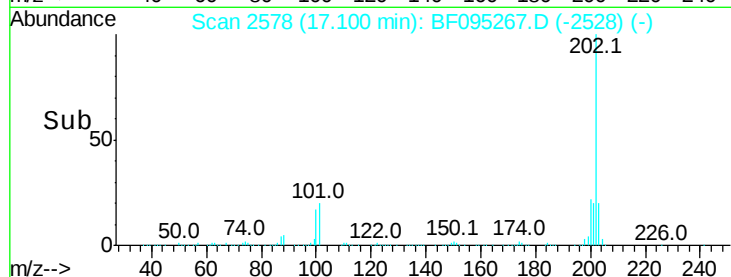
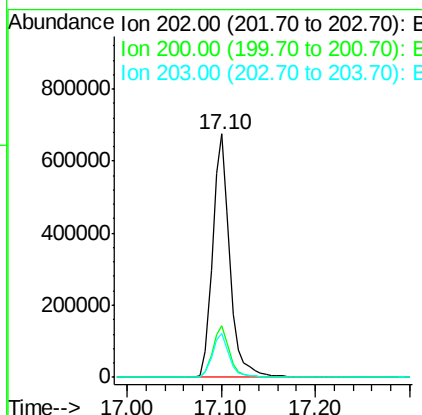
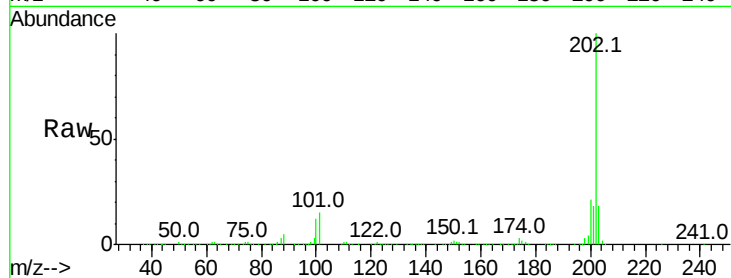




#77  
Pvrene  
Concen: 47.19 ng  
RT: 17.10 min Scan# 2578  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

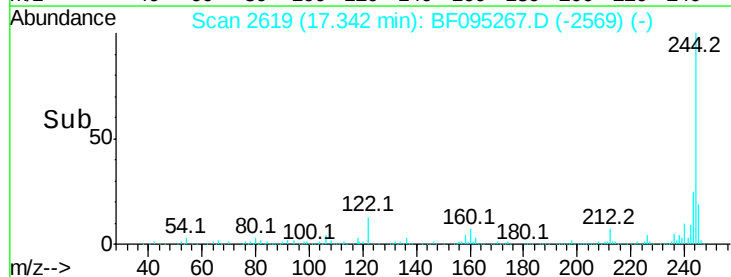
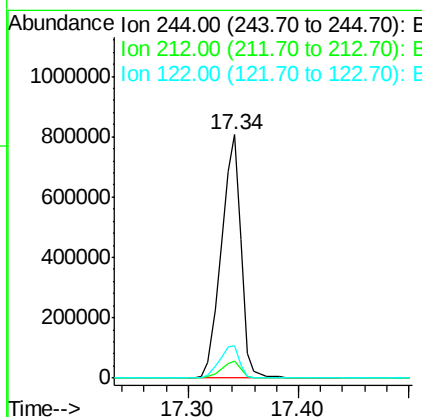
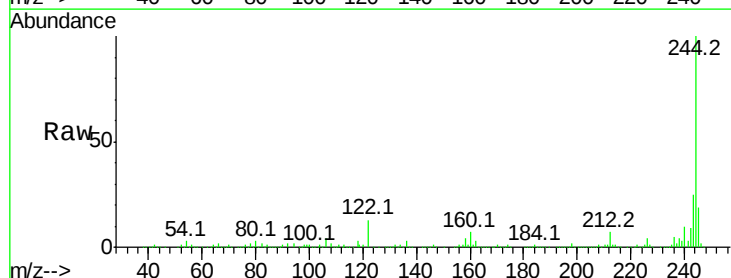
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 867335  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.6 26.4  
203 18.3 14.4 21.6



#78  
Terphenyl-d14  
Concen: 89.55 ng  
RT: 17.34 min Scan# 2619  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:244 Resp: 999128  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 13.4 10.3 15.5

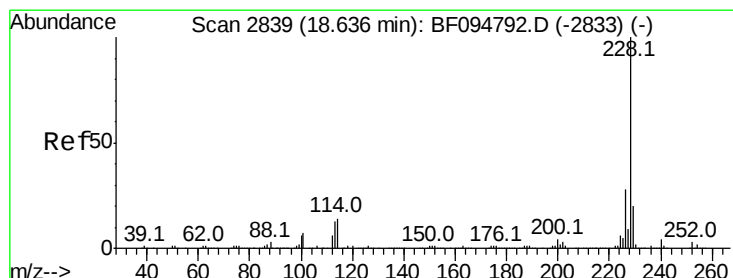
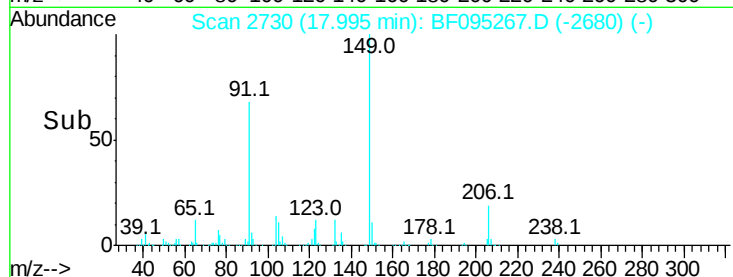
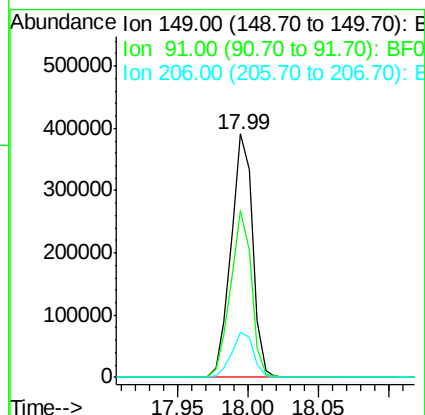
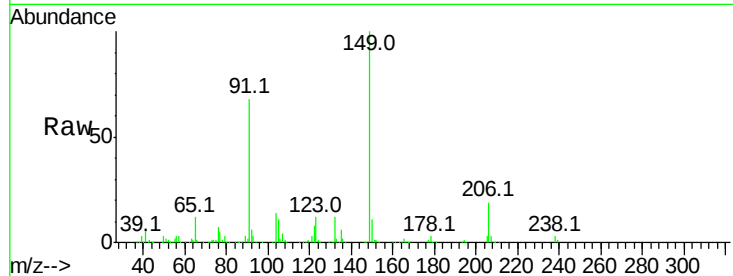




#79  
Butylbenzylphthalate  
Concen: 48.66 ng  
RT: 17.99 min Scan# 2730  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

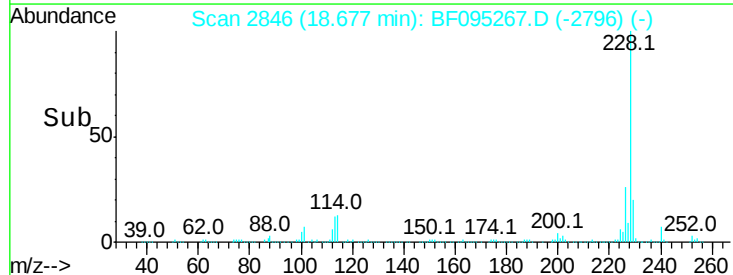
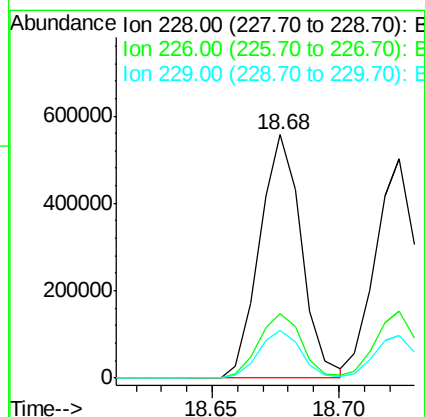
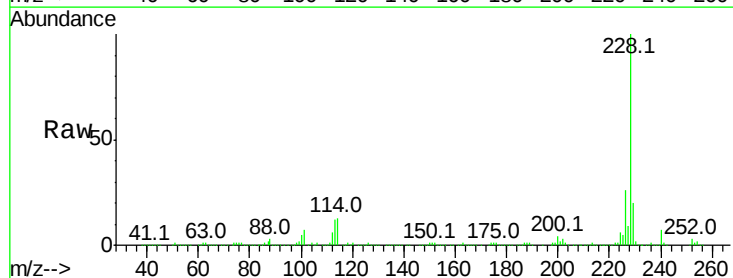
Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 68.3  | 45.0  | 67.4# |
| 206     | 18.8  | 17.0  | 25.6  |



#80  
Benzo(a)anthracene  
Concen: 44.92 ng  
RT: 18.68 min Scan# 2846  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.4  | 22.6  | 33.8  |
| 229     | 19.8  | 16.3  | 24.5  |

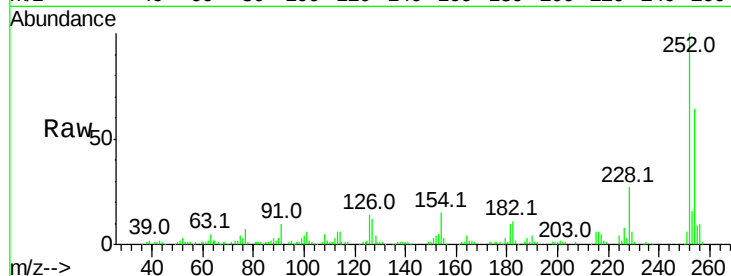




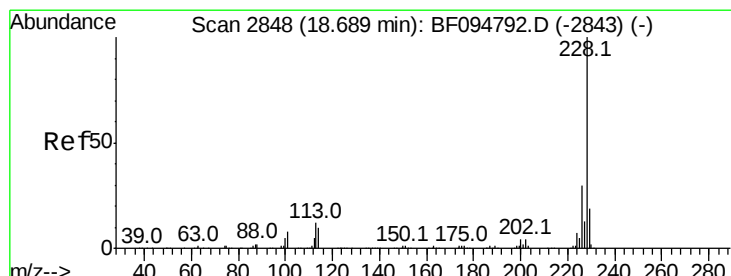
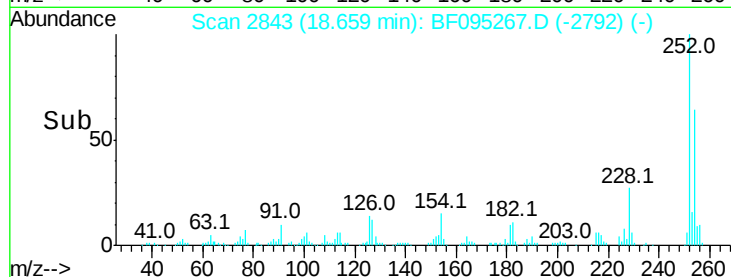
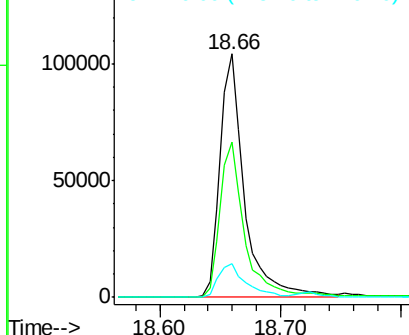
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.69 ng  
 RT: 18.66 min Scan# 2843  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 51.5  | 77.3  |
| 126     | 14.0  | 15.8  | 23.8# |

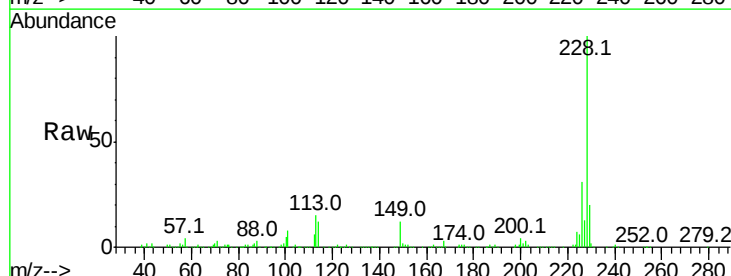


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

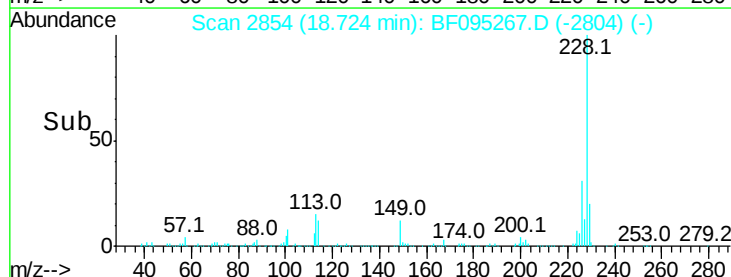
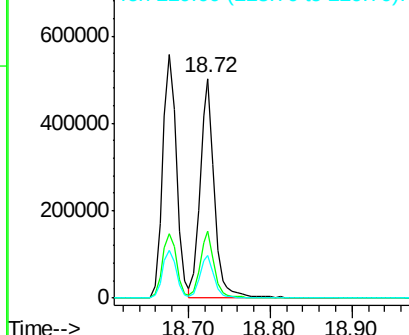


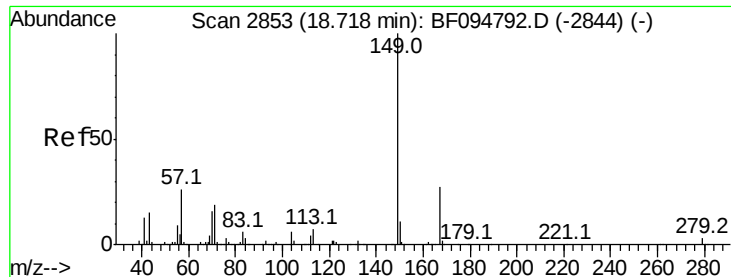
#82  
 Chrysene  
 Concen: 43.87 ng  
 RT: 18.72 min Scan# 2854  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.9  | 37.3  |
| 229     | 19.5  | 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

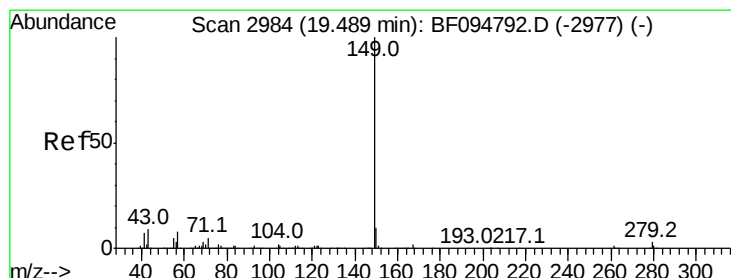
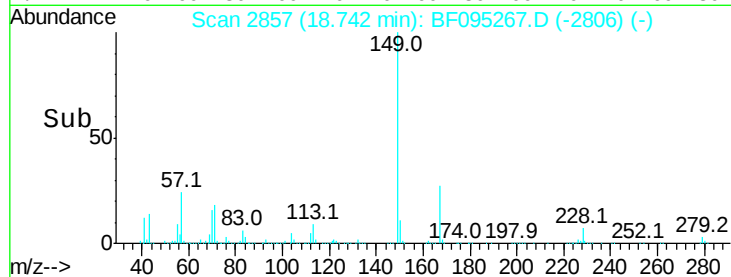
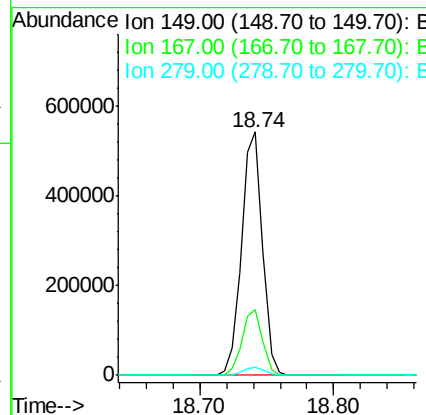
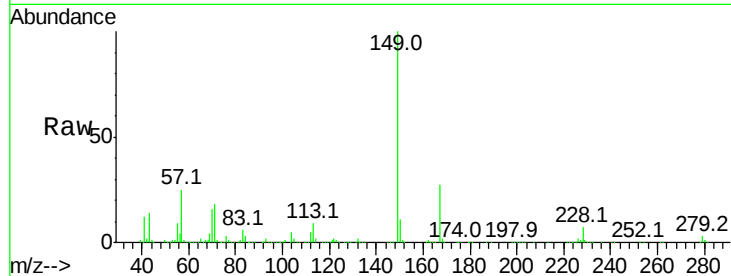




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.63 ng  
 RT: 18.74 min Scan# 2857  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

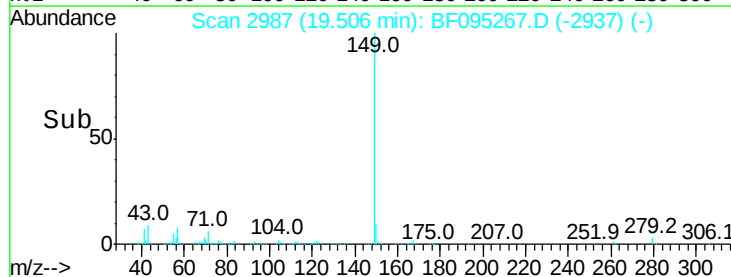
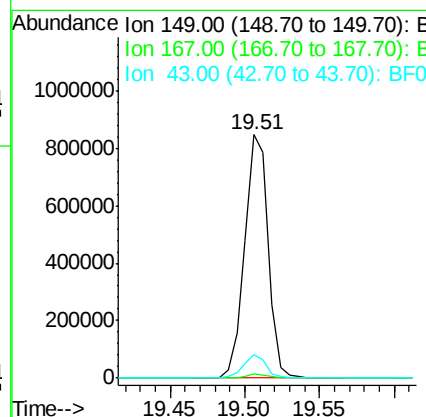
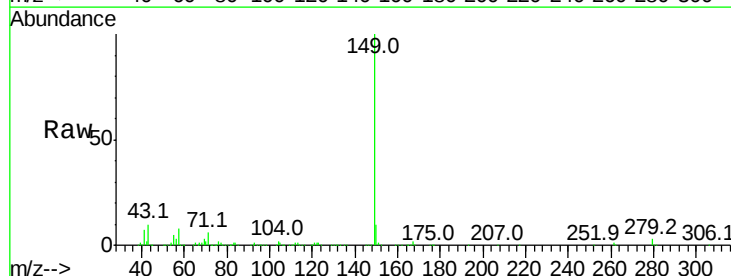
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 592319  
 Ion Ratio Lower Upper  
 149 100  
 167 26.8 21.0 31.4  
 279 3.4 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 46.25 ng  
 RT: 19.51 min Scan# 2987  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

Tgt Ion:149 Resp: 923452  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 8.9 8.5 12.7

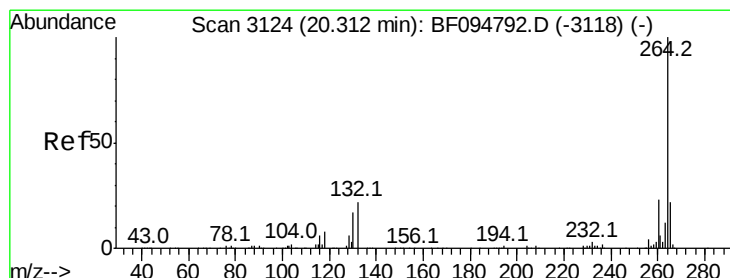
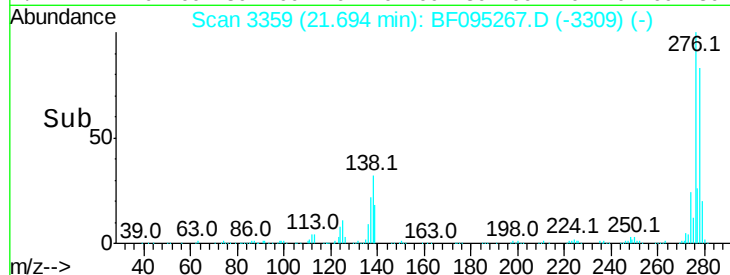
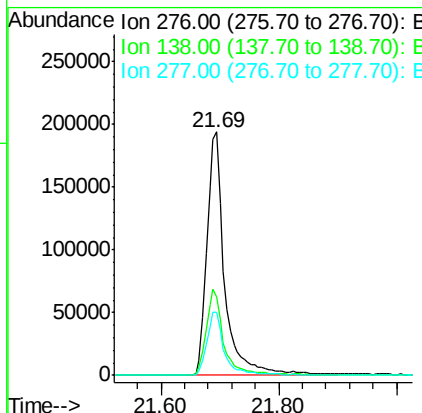
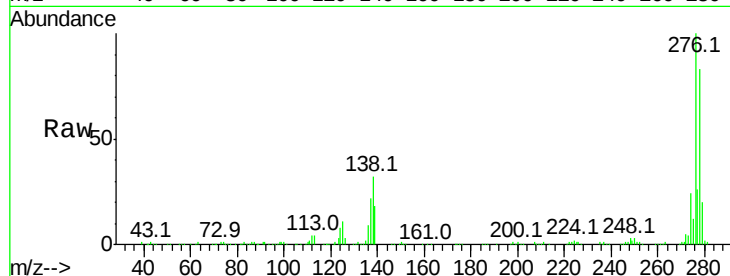




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.50 ng  
 RT: 21.69 min Scan# 3359  
 Delta R.T. -0.01 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

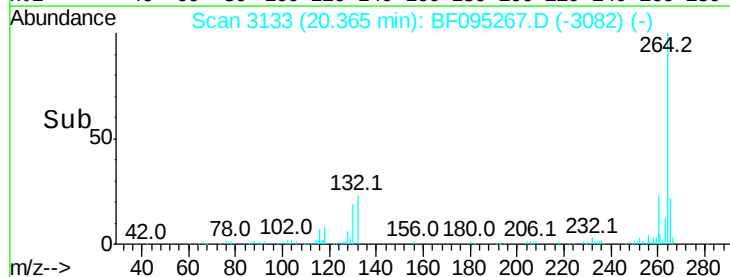
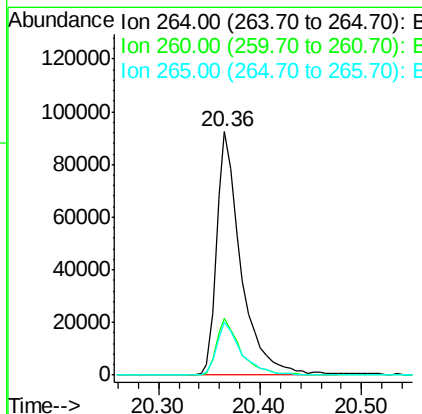
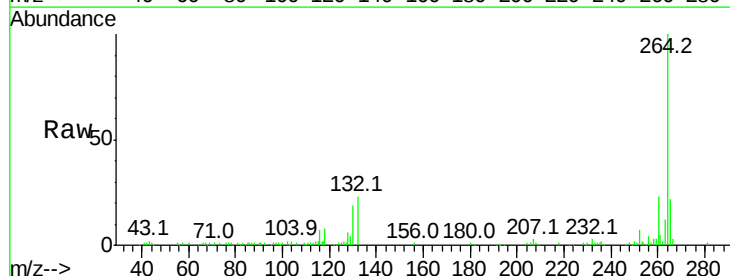
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.2  | 27.8  | 41.6  |
| 277     | 25.4  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.36 min Scan# 3133  
 Delta R.T. 0.00 min  
 Lab File: BF095267.D  
 Acq: 19 May 2017 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.8  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 46.73 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

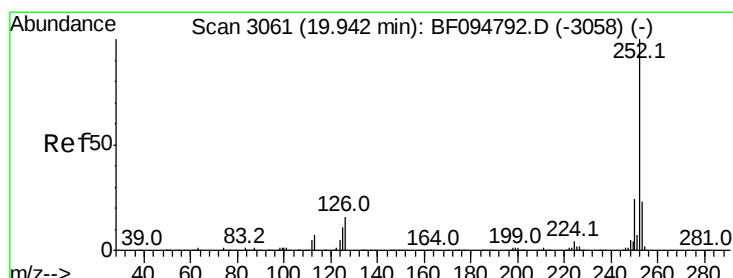
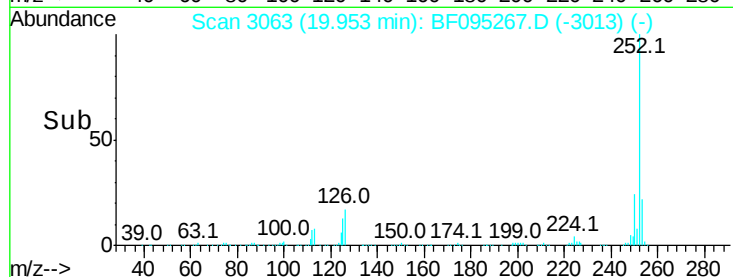
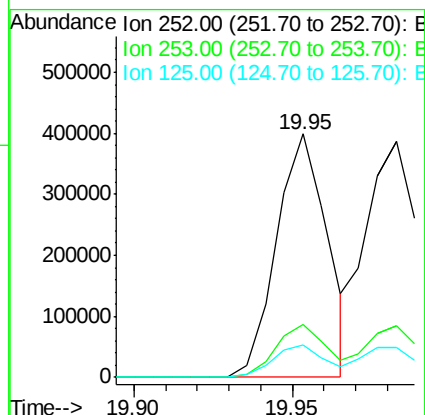
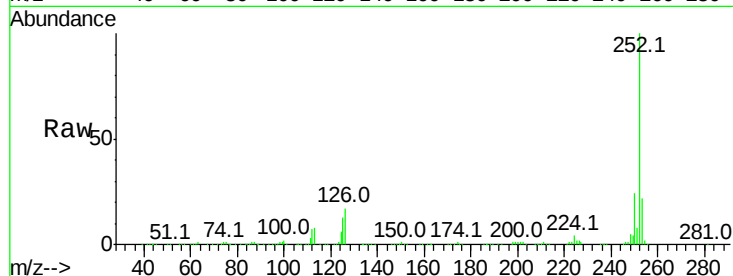
Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 444726

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 18.1  | 27.1  |
| 125 | 13.2  | 9.8   | 14.8  |



#88

Benzo(k)fluoranthene

Concen: 48.44 ng

RT: 19.95 min Scan# 3063

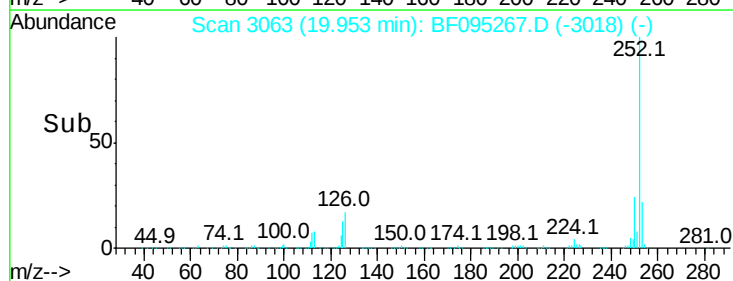
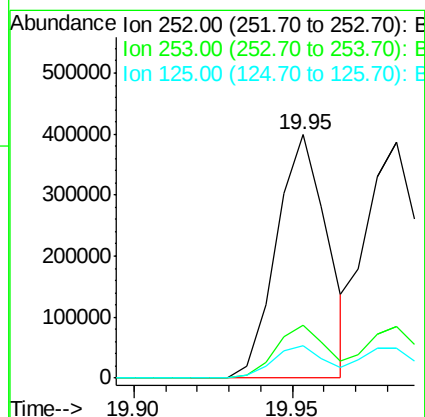
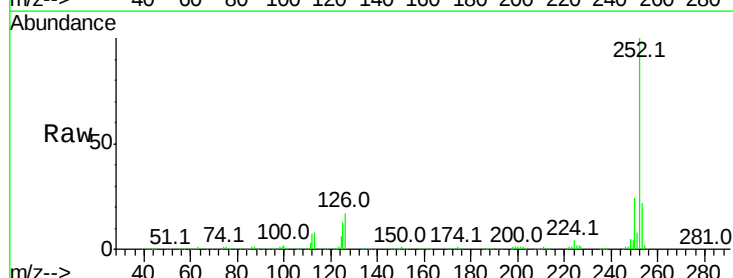
Delta R.T. -0.04 min

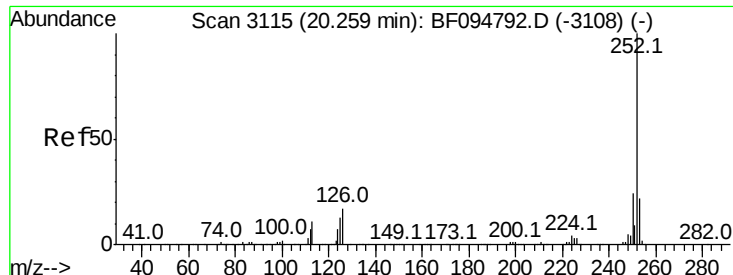
Lab File: BF095267.D

Acq: 19 May 2017 17:21

Tgt Ion:252 Resp: 444726

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 18.4  | 27.6  |
| 125 | 13.2  | 13.1  | 19.7  |

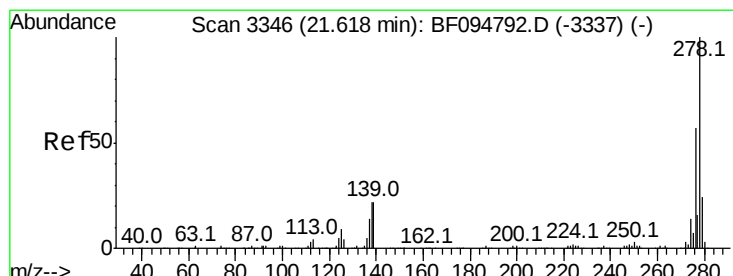
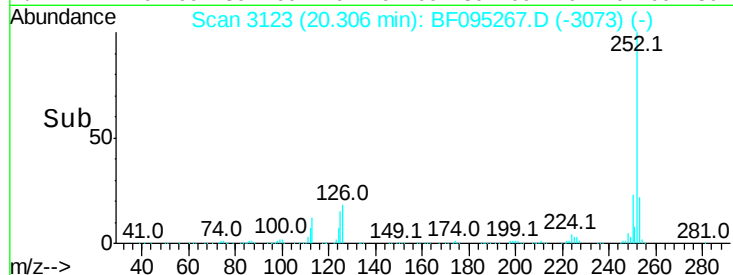
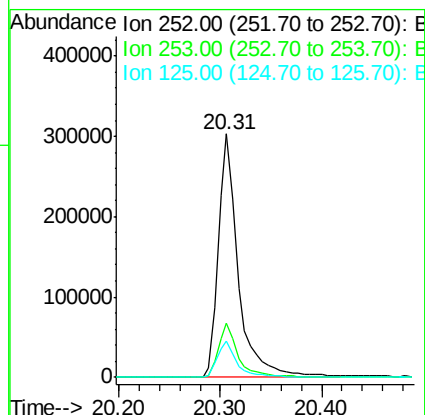
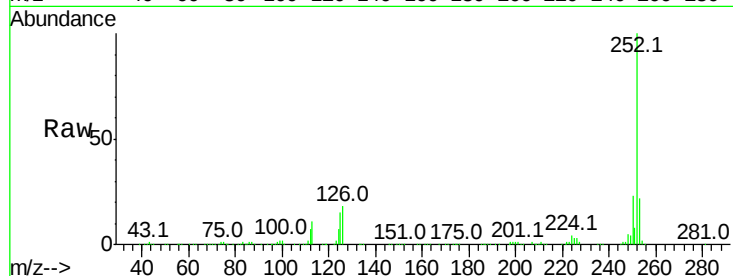




#89  
Benzo(a)pyrene  
Concen: 46.84 ng  
RT: 20.31 min Scan# 3123  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

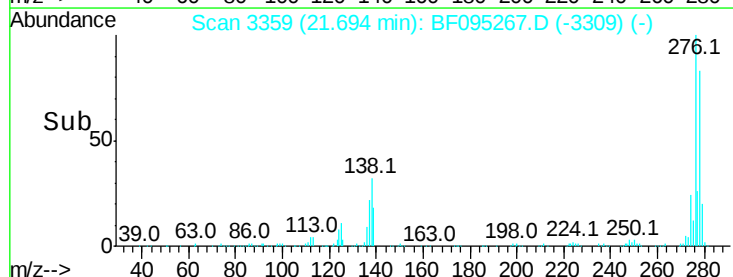
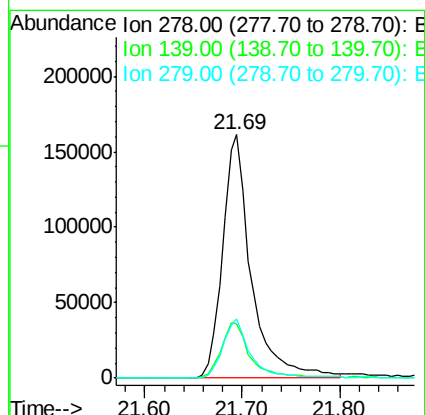
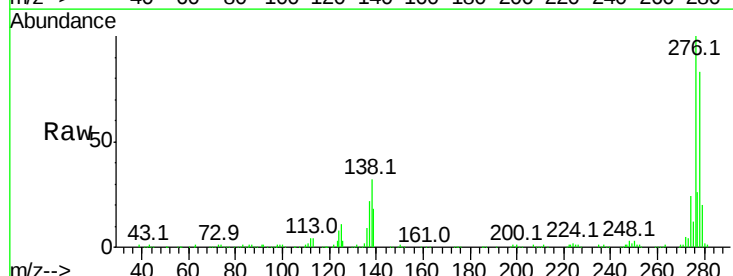
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 411341  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 14.8 11.0 16.4



#90  
Dibenzo(a,h)anthracene  
Concen: 45.21 ng  
RT: 21.69 min Scan# 3359  
Delta R.T. -0.01 min  
Lab File: BF095267.D  
Acq: 19 May 2017 17:21

Tgt Ion:278 Resp: 327928  
Ion Ratio Lower Upper  
278 100  
139 22.2 16.6 24.8  
279 24.4 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 48.13 ng

RT: 22.08 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BF095267.D

Acq: 19 May 2017 17:21

Instrument :

BNA\_F

ClientSampleId :

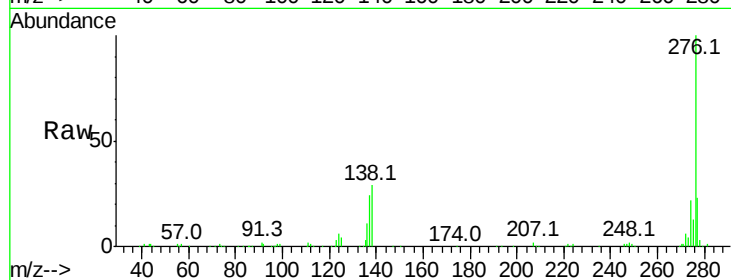
Tot Ion: 276 Resp: 342527

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 28.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

