

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\  
 Data File : BF102126.D  
 Acq On : 16 Jan 2018 22:49  
 Operator : SJ/JU  
 Sample : J1014-01MSD 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 17 02:28:44 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 137559   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 527145   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 222126   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.23 | 188  | 311449   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.87 | 240  | 235843   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.28 | 264  | 255986   | 20.00 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 57269 | 5.88 | ng | -0.01 |
| 7) Phenol-d6                | 6.35  | 99  | 65824 | 5.66 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.27  | 82  | 39035 | 4.35 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330 | 11940 | 6.16 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.07  | 172 | 78977 | 5.55 | ng | -0.02 |
| 78) Terphenyl-d14           | 12.82 | 244 | 46988 | 4.14 | ng | -0.01 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 8) 2-Chlorophenol              | 6.50  | 128 | 20633 | 2.112  | ng | 97   |
| 10) Phenol                     | 6.36  | 94  | 26406 | 2.010  | ng | 96   |
| 13) 1,4-Dichlorobenzene        | 6.73  | 146 | 24164 | 2.150  | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 6.89  | 146 | 21428 | 2.060  | ng | 98   |
| 15) Benzyl Alcohol             | 6.86  | 79  | 18551 | 2.182  | ng | 98   |
| 18) Hexachloroethane           | 7.23  | 117 | 8255  | 2.086  | ng | 90   |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70  | 17368 | 2.280  | ng | 96   |
| 22) Acetophenone               | 7.12  | 105 | 55203 | 4.346  | ng | # 94 |
| 24) Nitrobenzene               | 7.30  | 77  | 21570 | 2.238  | ng | # 98 |
| 25) Isophorone                 | 7.53  | 82  | 44251 | 2.497  | ng | # 86 |
| 26) 2-Nitrophenol              | 7.62  | 139 | 9974  | 2.472  | ng | # 83 |
| 27) 2,4-Dimethylphenol         | 7.66  | 122 | 17564 | 2.331  | ng | 93   |
| 28) bis(2-Chloroethoxy)methane | 7.75  | 93  | 26020 | 2.431  | ng | 92   |
| 29) 2,4-Dichlorophenol         | 7.86  | 162 | 15247 | 2.131  | ng | 99   |
| 30) 1,2,4-Trichlorobenzene     | 7.95  | 180 | 16683 | 2.229  | ng | 98   |
| 31) Naphthalene                | 8.02  | 128 | 69798 | 2.650  | ng | 97   |
| 34) Hexachlorobutadiene        | 8.14  | 225 | 9088  | 2.294  | ng | 92   |
| 36) 4-Chloro-3-methylphenol    | 8.55  | 107 | 17680 | 2.258  | ng | 98   |
| 37) 2-Methylnaphthalene        | 8.72  | 142 | 56941 | 3.284  | ng | 98   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88  | 216 | 15920 | 2.533  | ng | 96   |
| 42) 2,4,6-Trichlorophenol      | 8.99  | 196 | 10146 | 2.343  | ng | 97   |
| 43) 2,4,5-Trichlorophenol      | 9.03  | 196 | 10072 | 2.058  | ng | # 79 |
| 45) 1,1'-Biphenyl              | 9.17  | 154 | 50682 | 2.581  | ng | 97   |
| 46) 2-Chloronaphthalene        | 9.20  | 162 | 34626 | 2.274  | ng | 96   |
| 47) 2-Nitroaniline             | 9.30  | 65  | 9196  | 2.016  | ng | 95   |
| 48) Acenaphthylene             | 9.62  | 152 | 59666 | 2.469  | ng | 99   |
| 49) Dimethylphthalate          | 9.47  | 163 | 48293 | 2.710  | ng | # 96 |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165 | 8756  | 2.460  | ng | 92   |
| 51) Acenaphthene               | 9.79  | 154 | 35229 | 2.402  | ng | 94   |
| 54) Dibenzofuran               | 9.96  | 168 | 49445 | 2.457  | ng | 98   |
| 55) 4-Nitrophenol              | 9.87  | 139 | 11683 | 3.490  | ng | 83   |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165 | 9036  | 2.025  | ng | # 95 |
| 57) Fluorene                   | 10.30 | 166 | 45084 | 3.240  | ng | 99   |
| 59) Diethylphthalate           | 10.17 | 149 | 39034 | 2.202  | ng | 96   |

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\  
 Data File : BF102126.D  
 Acq On : 16 Jan 2018 22:49  
 Operator : SJ/JU  
 Sample : J1014-01MSD 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

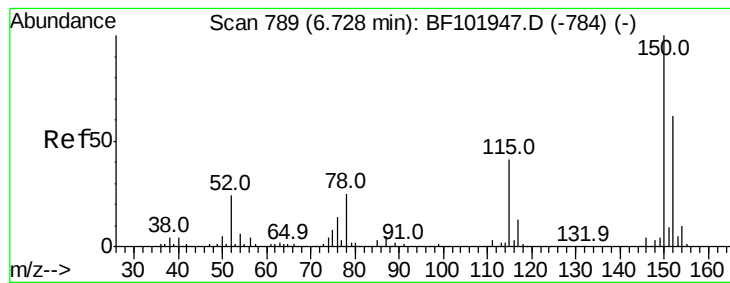
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 17 02:28:44 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204  | 16107    | 2.719 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.07 | 198  | 497      | 5.921 | nq #  | 1        |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 33401    | 2.864 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 8345     | 2.537 | nq    | 97       |
| 67) Hexachlorobenzene          | 10.84 | 284  | 8488     | 2.364 | nq    | 95       |
| 68) Atrazine                   | 10.93 | 200  | 9879     | 2.931 | nq    | 95       |
| 69) Pentachlorophenol          | 11.04 | 266  | 5788     | 2.644 | nq    | 98       |
| 70) Phenanthrene               | 11.26 | 178  | 96914    | 5.327 | nq    | 97       |
| 71) Anthracene                 | 11.31 | 178  | 55453    | 3.005 | nq    | 99       |
| 72) Carbazole                  | 11.46 | 167  | 40289    | 2.222 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 52756    | 2.371 | nq    | 99       |
| 74) Fluoranthene               | 12.44 | 202  | 97962    | 5.473 | nq    | 96       |
| 77) Pyrene                     | 12.67 | 202  | 102595   | 4.921 | nq    | 97       |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 66292    | 4.406 | nq    | 97       |
| 82) Chrysene                   | 13.89 | 228  | 66243    | 4.222 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 23002    | 2.096 | nq    | 96       |
| 84) Di-n-octyl phthalate       | 14.46 | 149  | 42085    | 2.311 | nq #  | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.64 | 276  | 45437    | 3.979 | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 14.90 | 252  | 45330    | 2.716 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 14.90 | 252  | 45330    | 2.815 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.22 | 252  | 62006    | 4.128 | nq    | 96       |
| 90) Dibenzo(a,h)anthracene     | 16.66 | 278  | 30722    | 2.563 | nq #  | 91       |
| 91) Benzo(g,h,i)perylene       | 17.06 | 276  | 40167    | 3.327 | nq #  | 90       |
| -----                          |       |      |          |       |       |          |

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



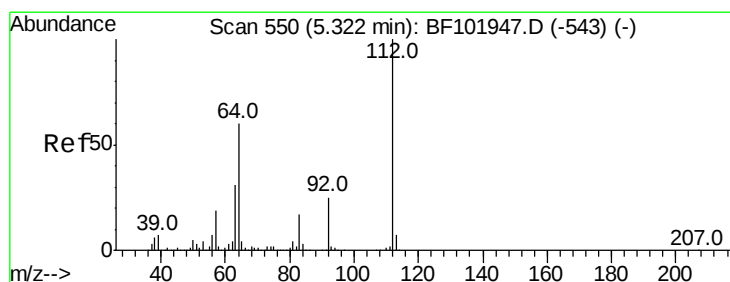
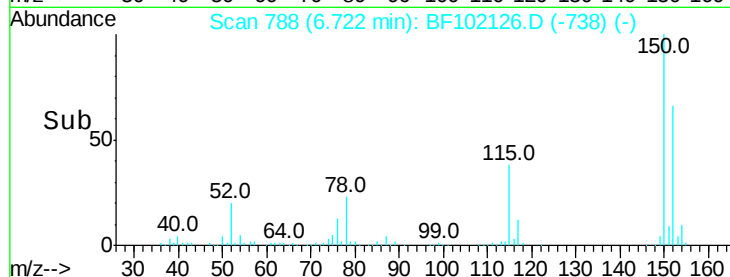
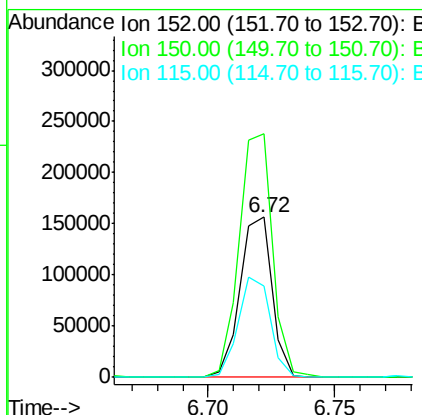
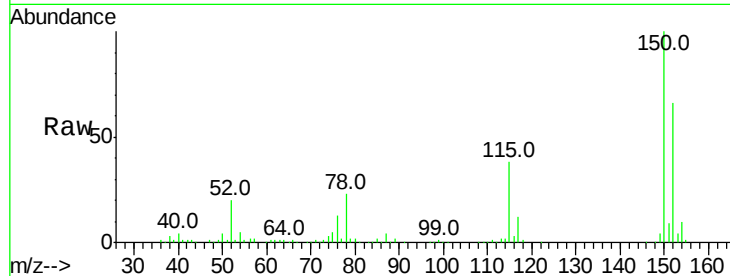


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Instrument :  
 BNA\_F  
 ClientSampleId :

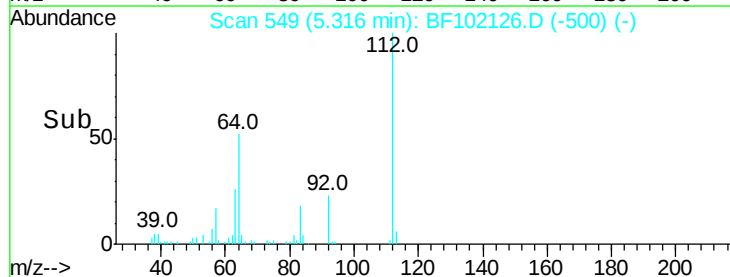
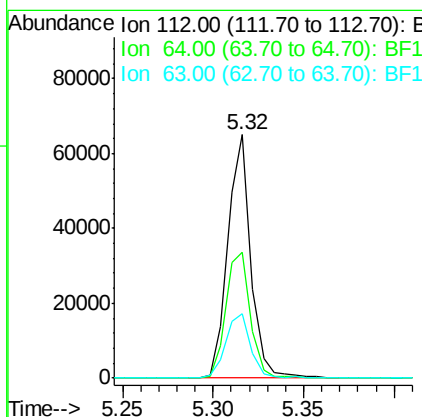
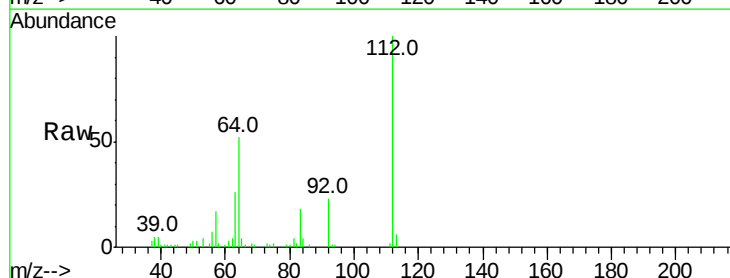
Tot Ion:152 Resp: 137559  
 Ion Ratio Lower Upper  
 152 100  
 150 152.3 124.6 186.8  
 115 57.4 50.1 75.1

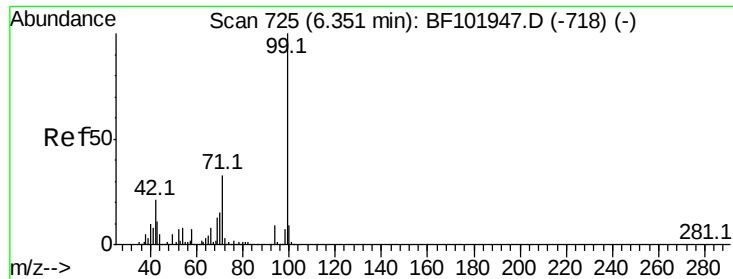


#5

2-Fluorophenol  
 Concen: 5.879 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:112 Resp: 57269  
 Ion Ratio Lower Upper  
 112 100  
 64 52.0 47.9 71.9  
 63 26.4 23.7 35.5





#7

Phenol-d6

Concen: 5.663 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

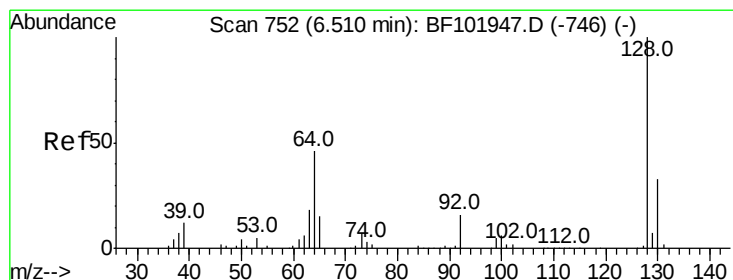
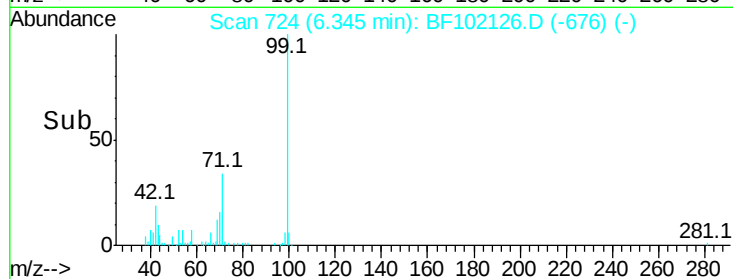
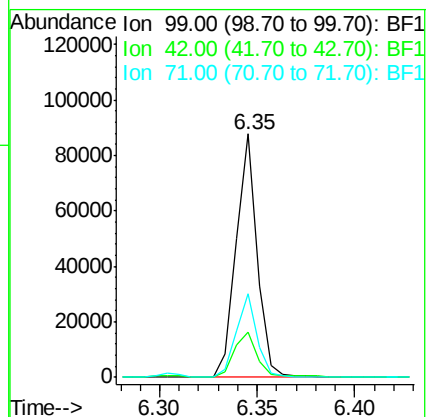
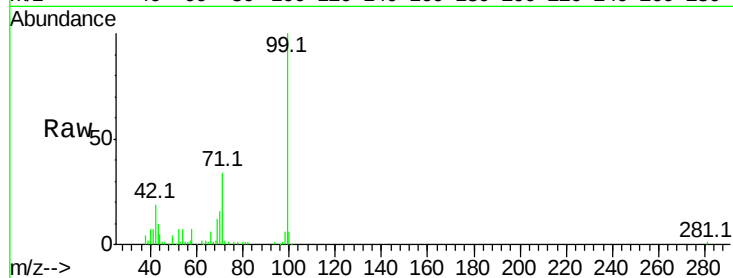
Tot Ion: 99 Resp: 65824

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 34.2 25.4 38.0



#8

2-Chlorophenol

Concen: 2.112 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

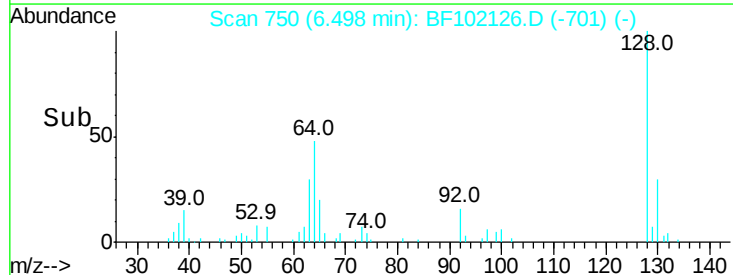
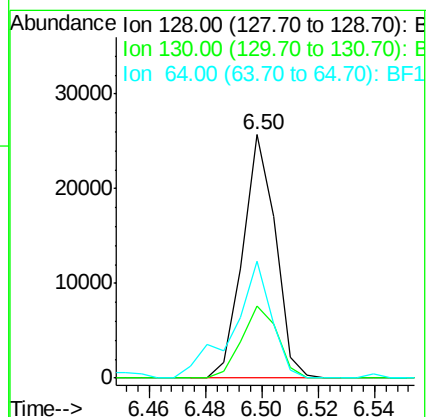
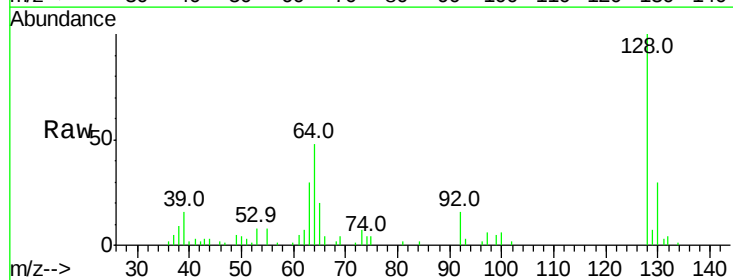
Tgt Ion: 128 Resp: 20633

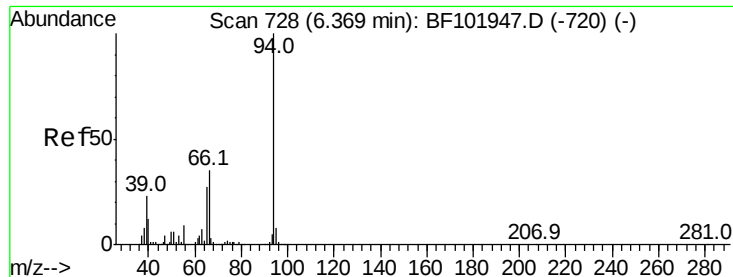
Ion Ratio Lower Upper

128 100

130 29.9 13.0 53.0

64 48.3 29.4 69.4





#10

Phenol

Concen: 2.010 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

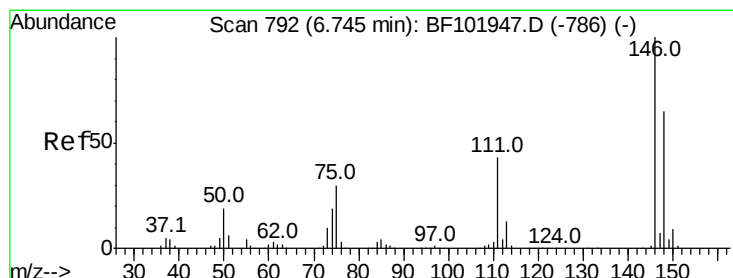
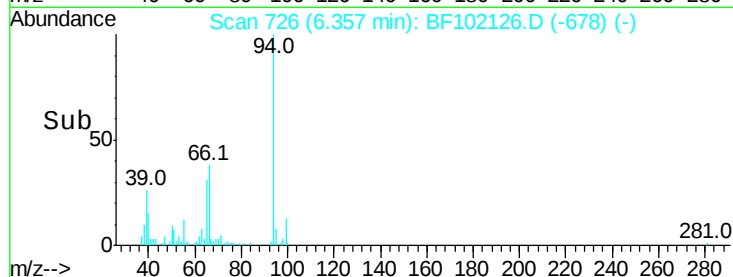
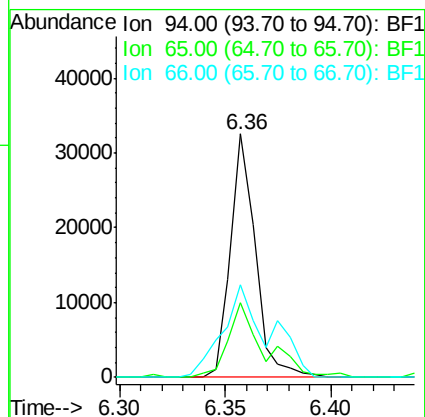
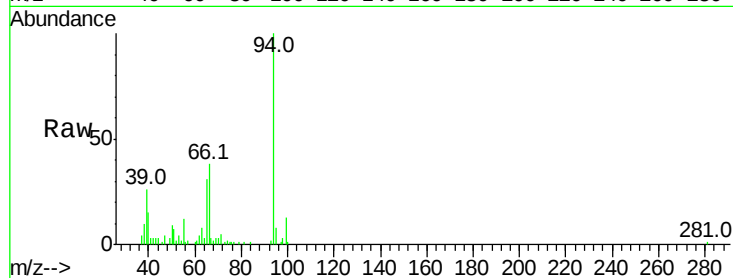
Tot Ion: 94 Resp: 26406

Ion Ratio Lower Upper

94 100

65 30.6 7.9 47.9

66 38.1 16.2 56.2



#13

1,4-Dichlorobenzene

Concen: 2.150 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

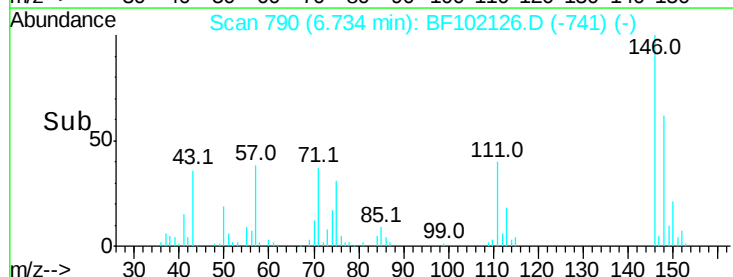
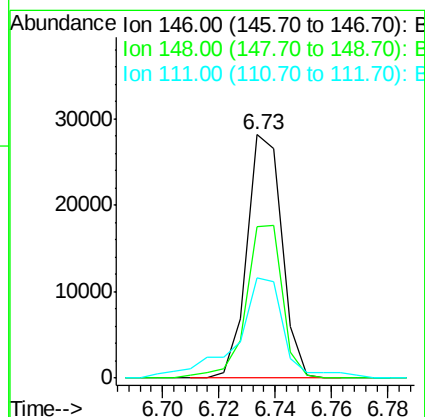
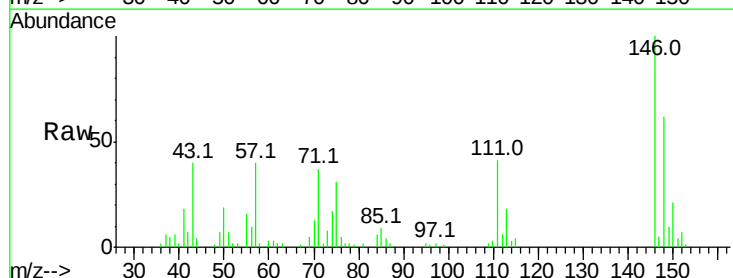
Tgt Ion: 146 Resp: 24164

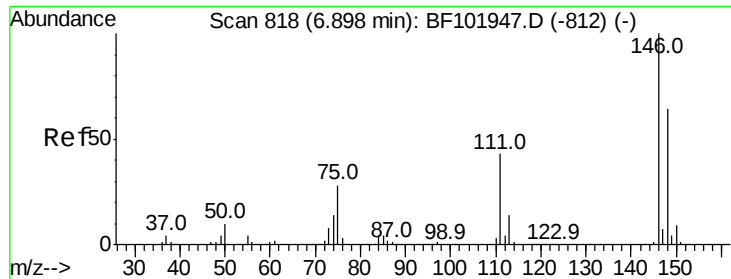
Ion Ratio Lower Upper

146 100

148 62.3 50.8 76.2

111 41.3 34.2 51.2





#14

1,2-Dichlorobenzene

Concen: 2.060 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

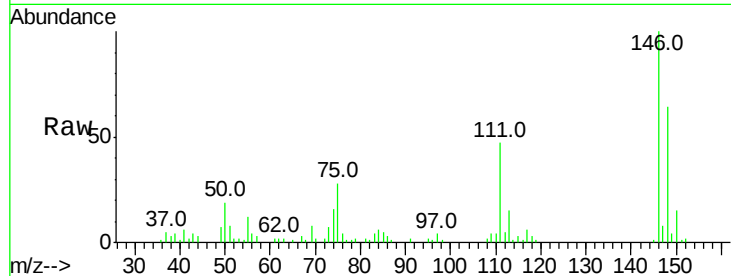
Tot Ion:146 Resp: 21428

Ion Ratio Lower Upper

146 100

148 63.5 50.6 75.8

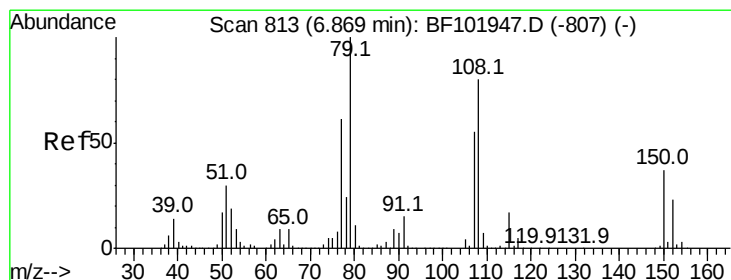
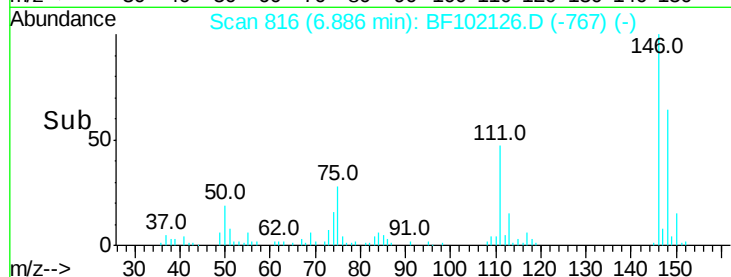
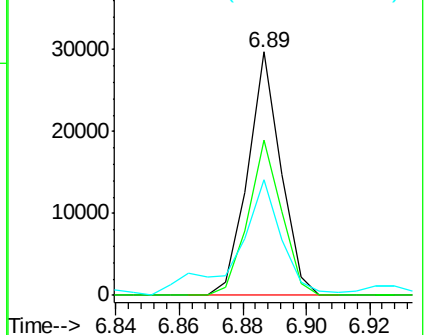
111 47.4 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.182 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

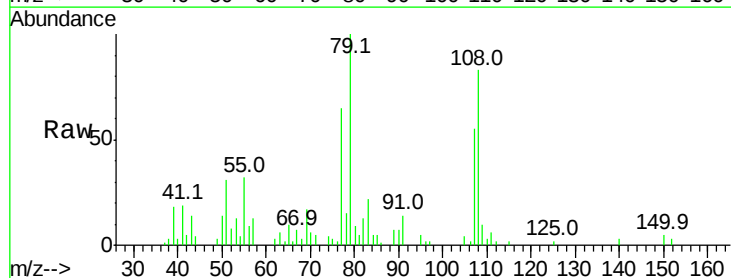
Tgt Ion: 79 Resp: 18551

Ion Ratio Lower Upper

79 100

108 82.8 65.1 97.7

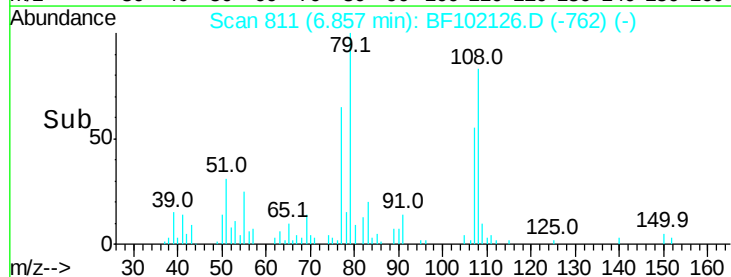
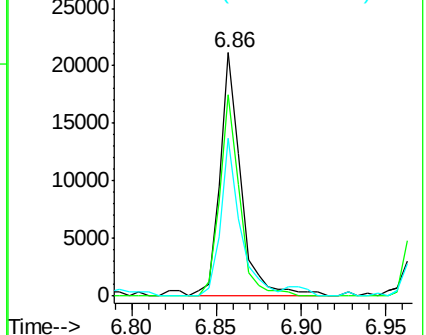
77 64.8 50.6 75.8

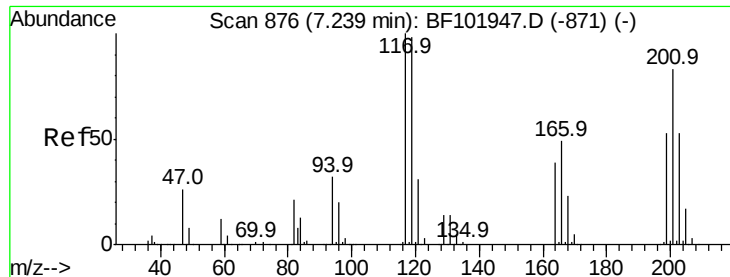


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

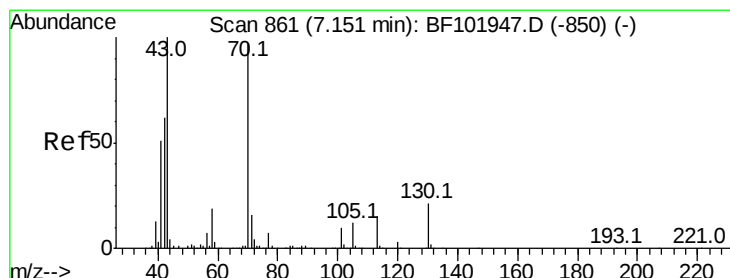
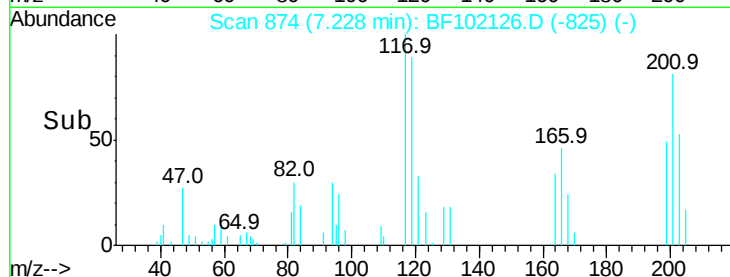
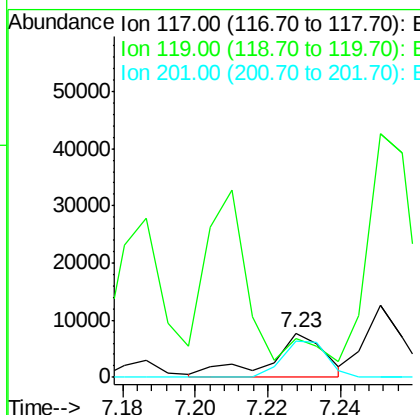
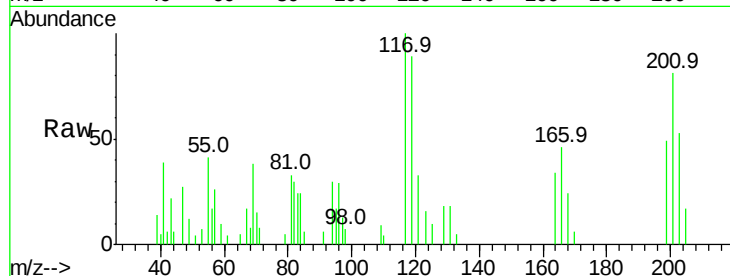




#18  
Hexachloroethane  
Concen: 2.086 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

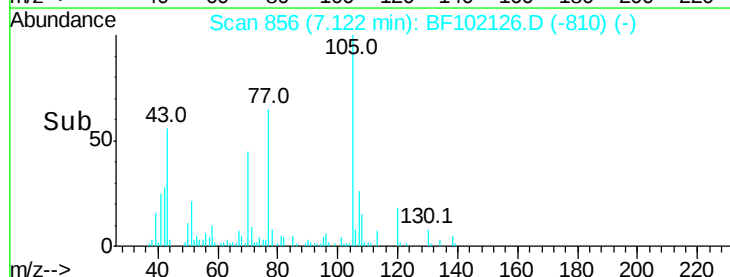
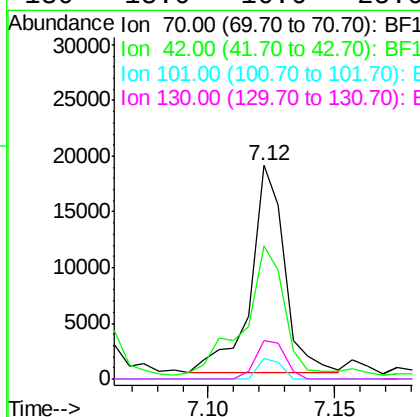
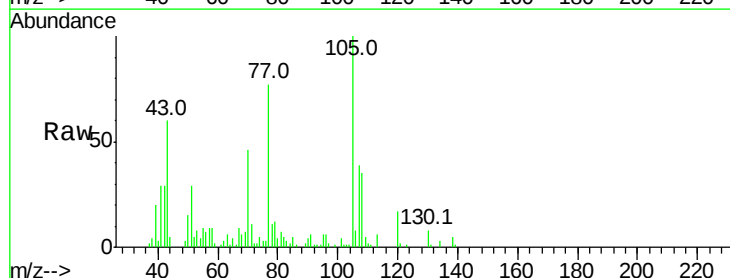
Instrument :  
BNA\_F  
ClientSampled :

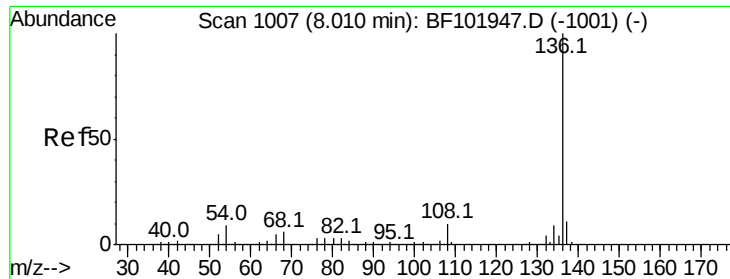
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Ion Ratio Lower Upper  
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119 88.7 75.8 113.8  
201 81.1 75.7 113.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.280 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.03 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion: 70 Resp: 17368  
Ion Ratio Lower Upper  
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101 9.5 7.4 11.2  
130 18.0 16.6 25.0

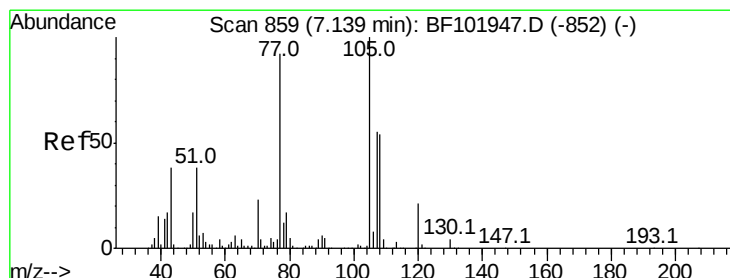
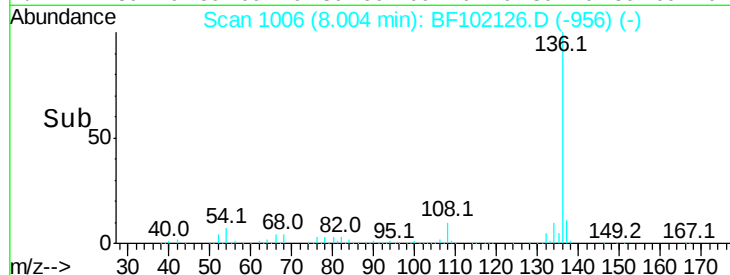
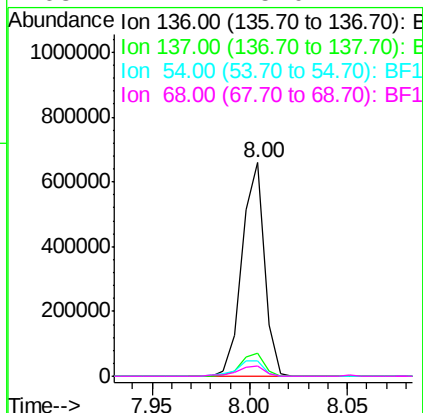
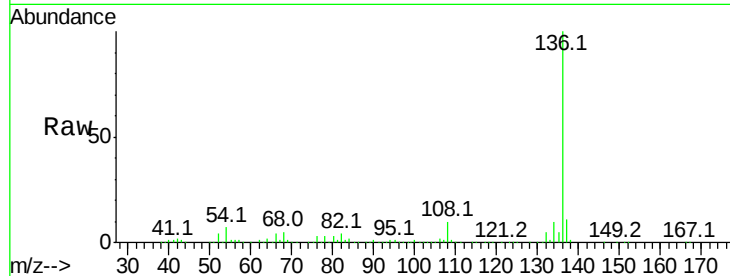




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

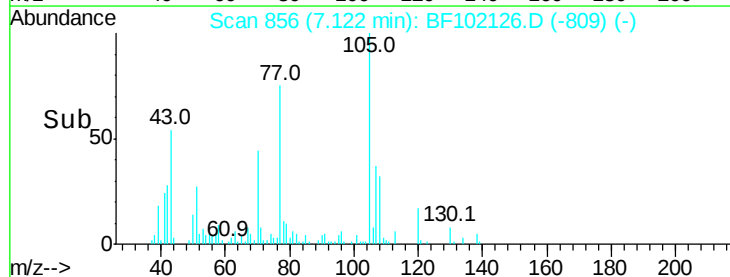
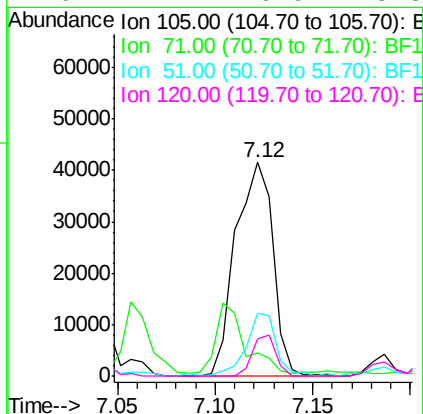
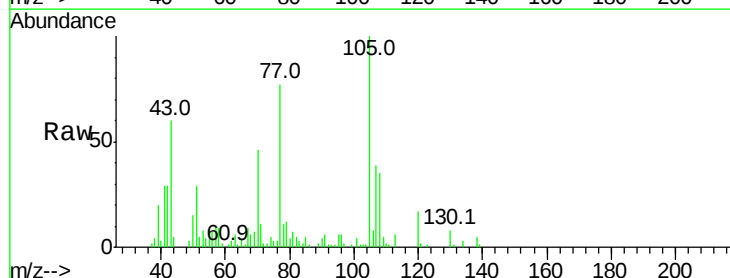
Instrument :  
BNA\_F  
ClientSampled :

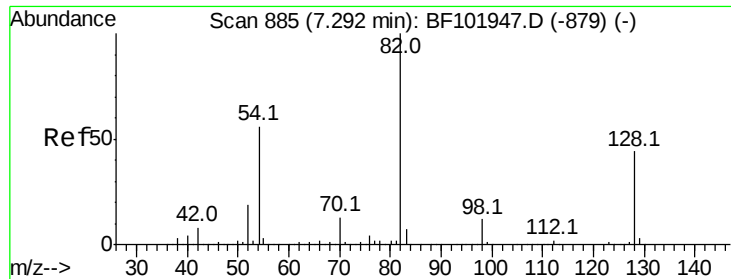
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 527145 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 7.1   | 6.6   | 9.8    |
| 68       | 4.7   | 5.0   | 7.4#   |



#22  
Acetophenone  
Concen: 4.346 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 55203 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 10.5  | 4.4   | 6.6#  |
| 51       | 29.3  | 22.3  | 33.5  |
| 120      | 17.4  | 16.9  | 25.3  |

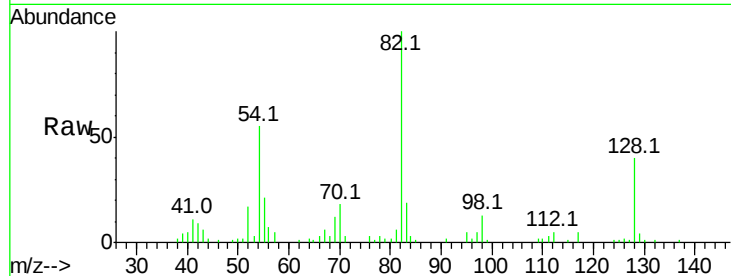




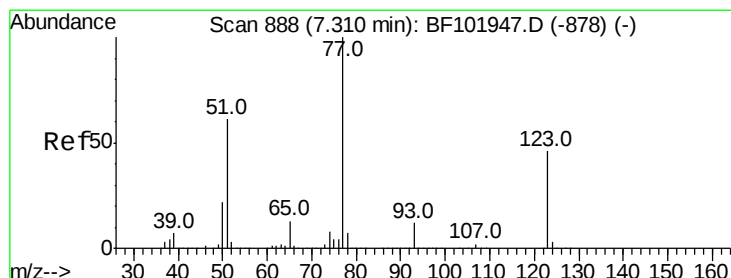
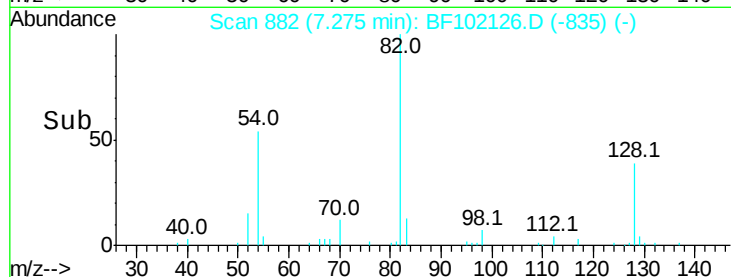
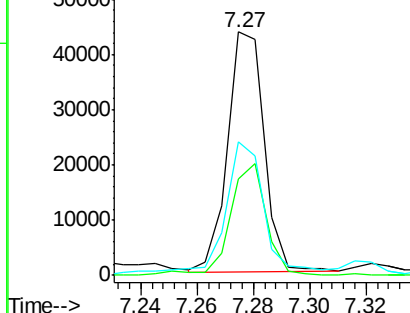
#23  
Nitrobenzene-d5  
Concen: 4.351 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 39035  
Ion Ratio Lower Upper  
82 100  
128 39.7 36.1 54.1  
54 54.8 41.4 62.2

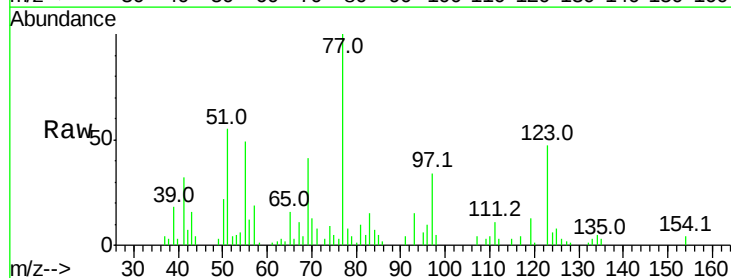


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

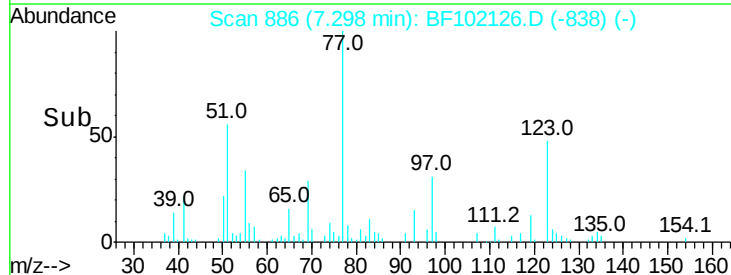
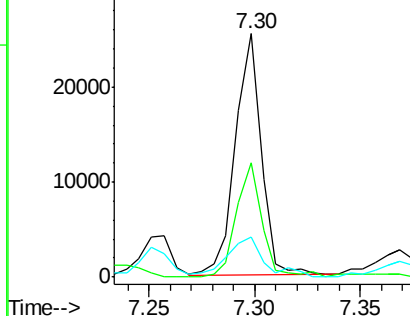


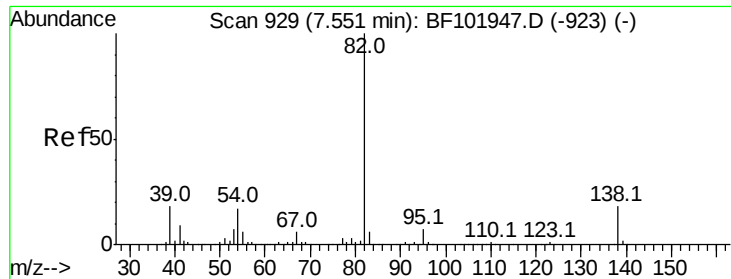
#24  
Nitrobenzene  
Concen: 2.238 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion: 77 Resp: 21570  
Ion Ratio Lower Upper  
77 100  
123 46.8 37.9 56.9  
65 16.5 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 2.497 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

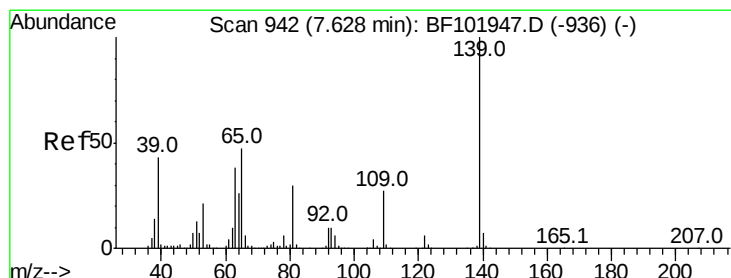
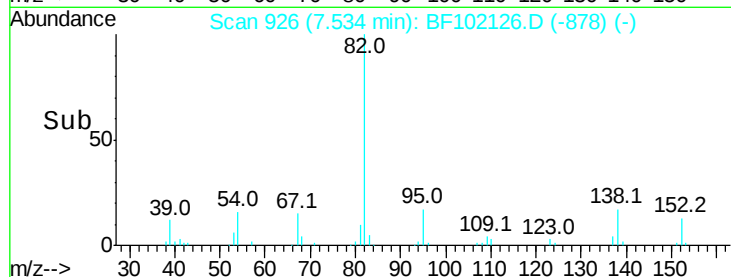
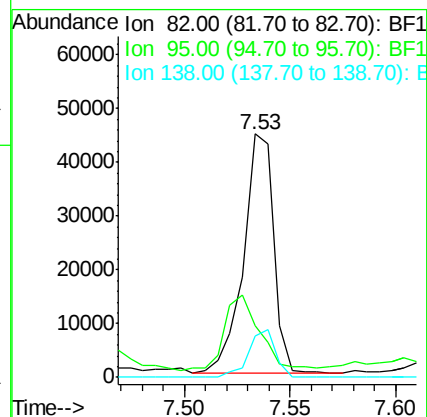
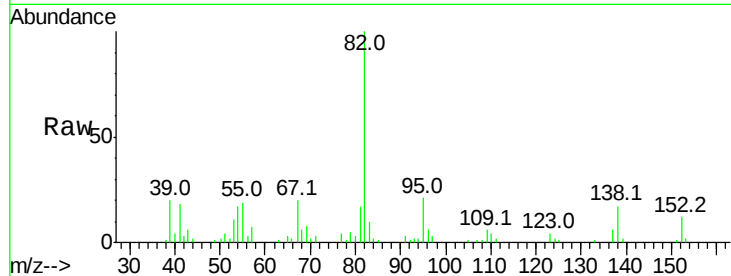
Tot Ion: 82 Resp: 44251

Ion Ratio Lower Upper

82 100

95 21.0 5.2 7.8#

138 16.8 14.9 22.3



#26

2-Nitrophenol

Concen: 2.472 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

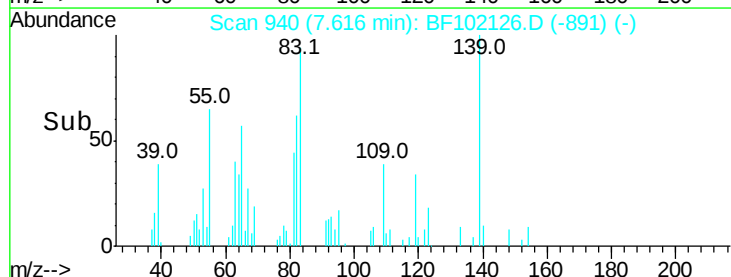
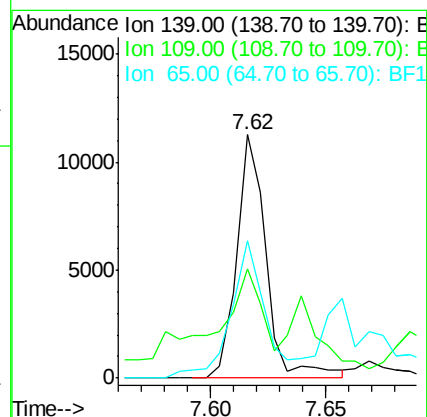
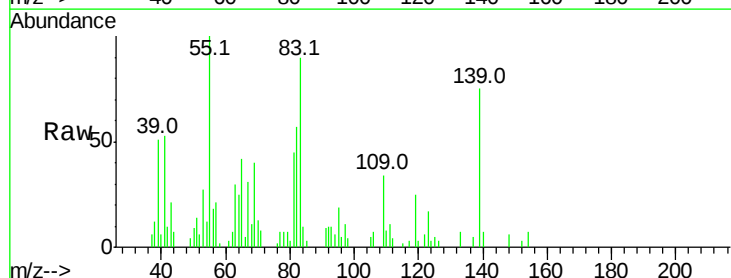
Tgt Ion:139 Resp: 9974

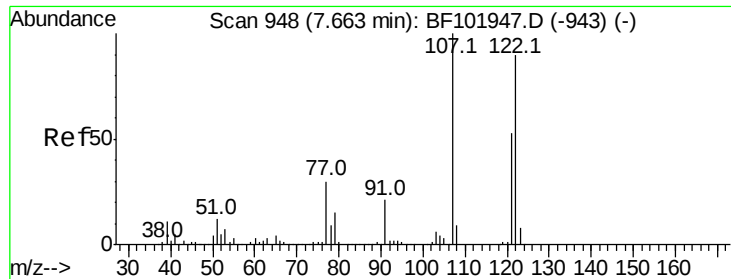
Ion Ratio Lower Upper

139 100

109 45.1 22.7 34.1#

65 56.7 40.5 60.7

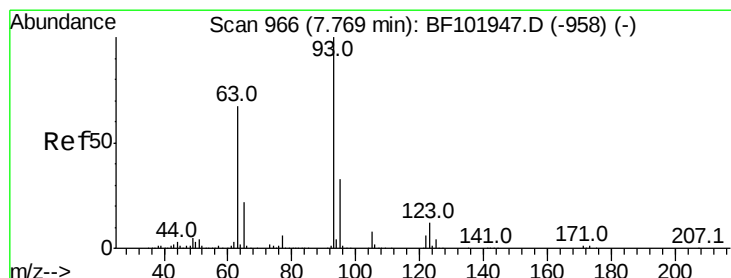
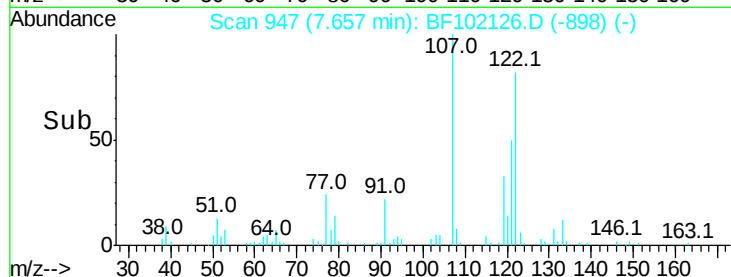
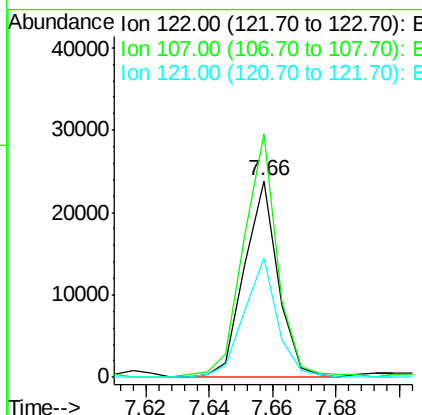
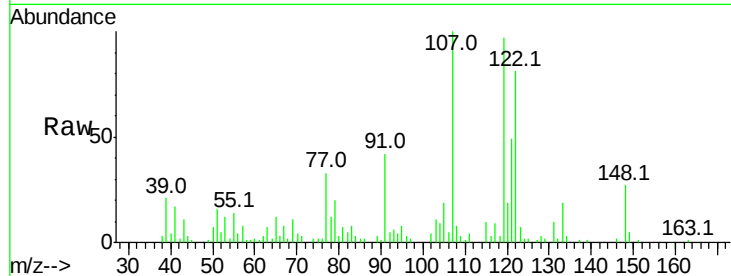




#27  
2,4-Dimethylphenol  
Concen: 2.331 ng  
RT: 7.66 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

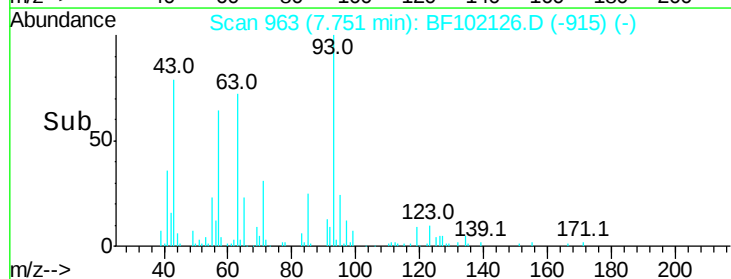
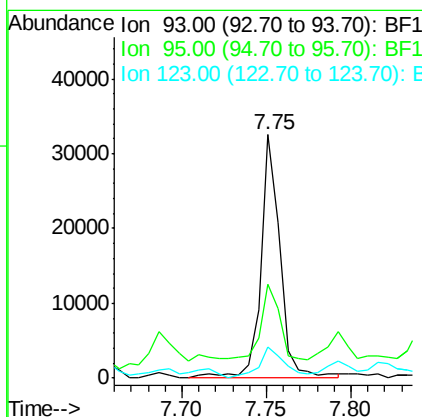
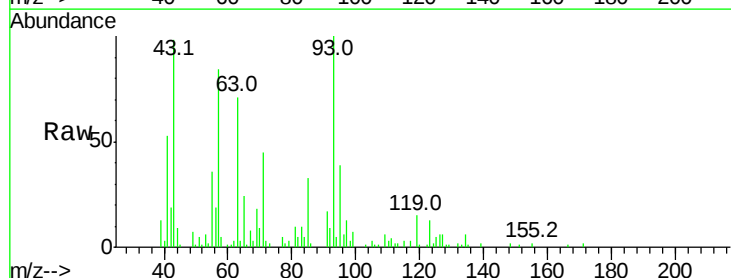
Instrument :  
BNA\_F  
ClientSampleId :

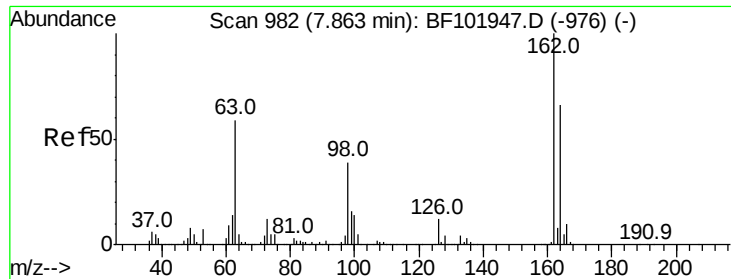
Tot Ion:122 Resp: 17564  
Ion Ratio Lower Upper  
122 100  
107 123.7 91.2 136.8  
121 60.8 47.2 70.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 2.431 ng  
RT: 7.75 min Scan# 963  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion: 93 Resp: 26020  
Ion Ratio Lower Upper  
93 100  
95 38.6 26.3 39.5  
123 12.9 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 2.131 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

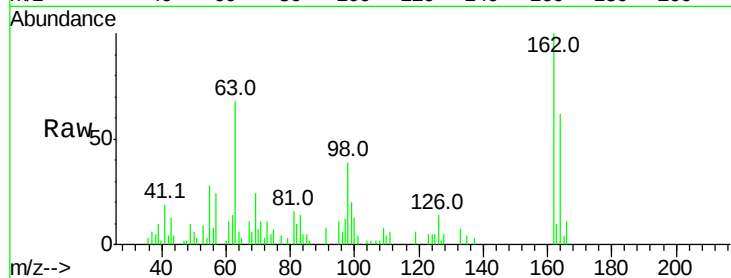
Tot Ion:162 Resp: 15247

Ion Ratio Lower Upper

162 100

164 62.2 42.7 82.7

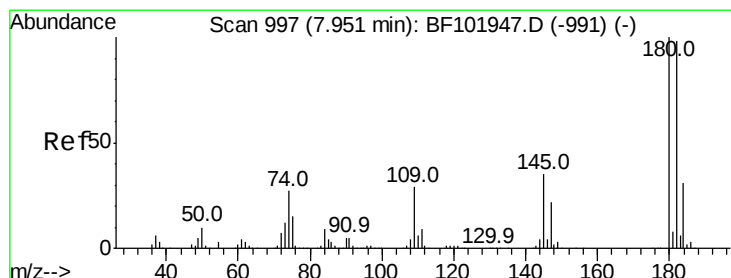
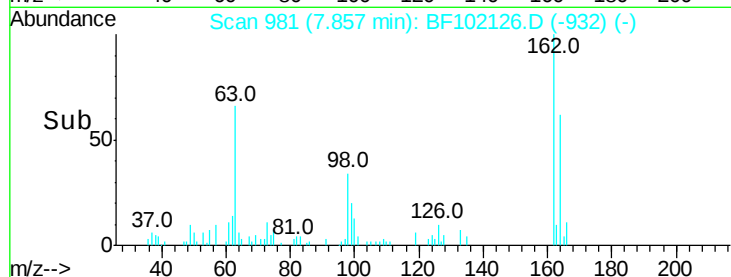
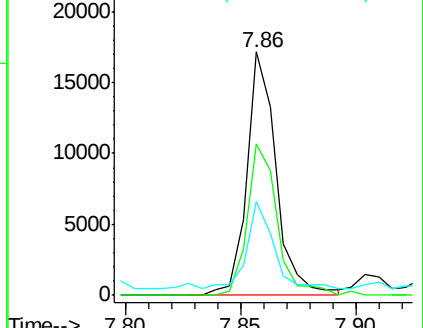
98 38.6 18.1 58.1



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): BF1



#30

1,2,4-Trichlorobenzene

Concen: 2.229 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

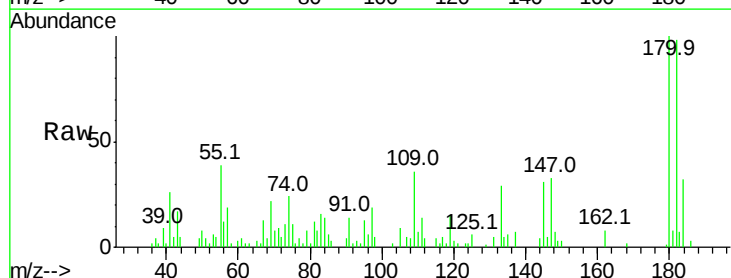
Tgt Ion:180 Resp: 16683

Ion Ratio Lower Upper

180 100

182 97.9 76.8 115.2

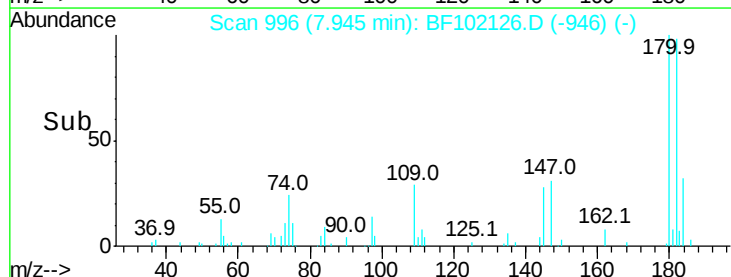
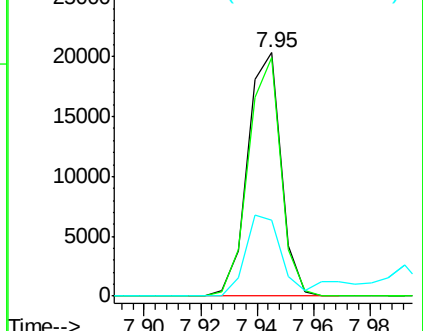
145 31.1 26.5 39.7

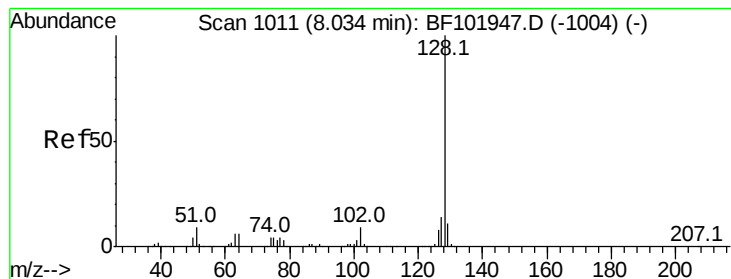


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 2.650 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

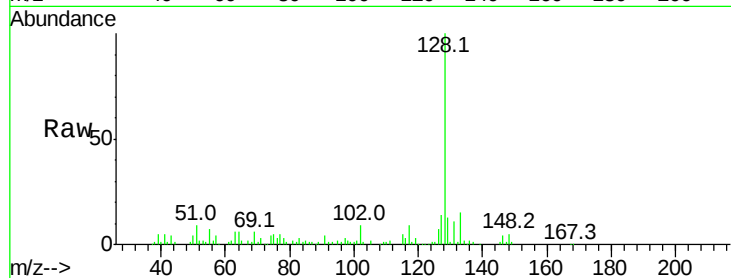
Tot Ion:128 Resp: 69798

Ion Ratio Lower Upper

128 100

129 13.0 8.8 13.2

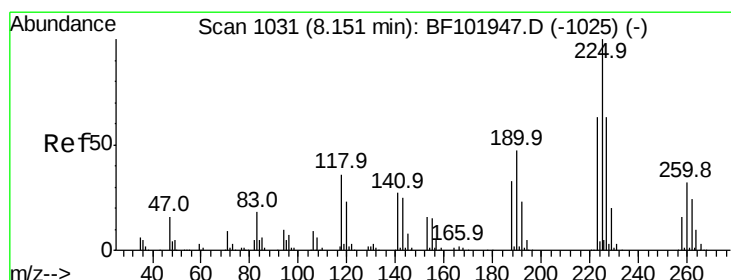
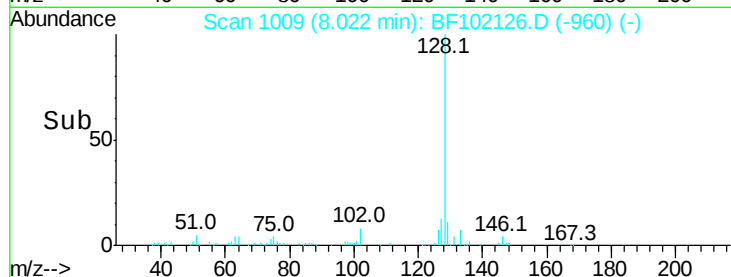
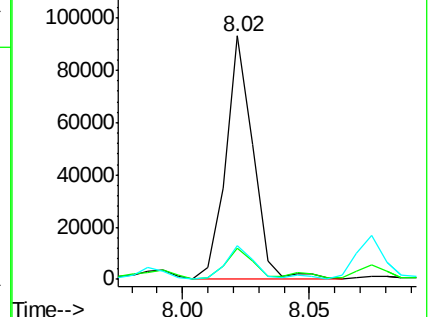
127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

Hexachlorobutadiene

Concen: 2.294 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

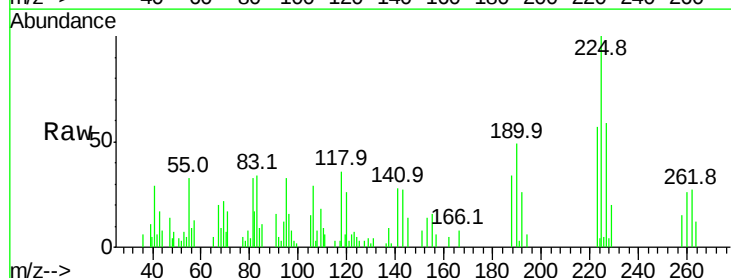
Tgt Ion:225 Resp: 9088

Ion Ratio Lower Upper

225 100

223 57.3 50.6 76.0

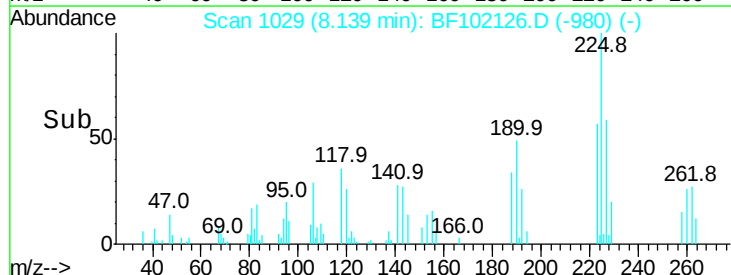
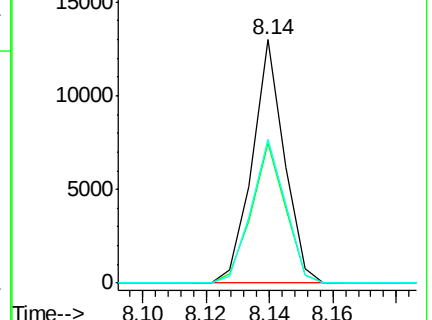
227 58.9 51.9 77.9

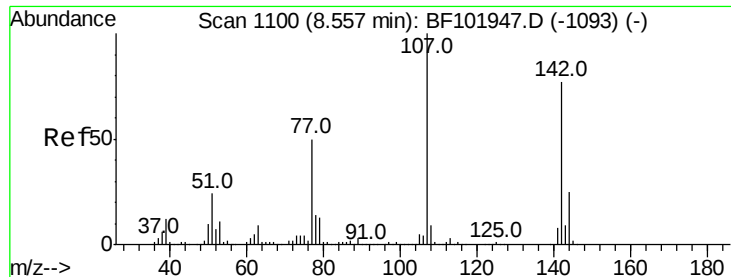


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#36

4-Chloro-3-methylphenol

Concen: 2.258 ng

RT: 8.55 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampled :

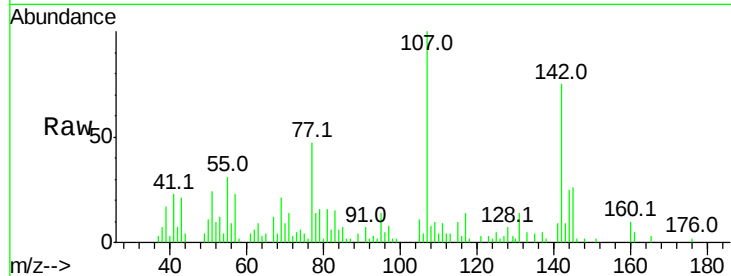
Tot Ion:107 Resp: 17680

Ion Ratio Lower Upper

107 100

144 25.4 20.5 30.7

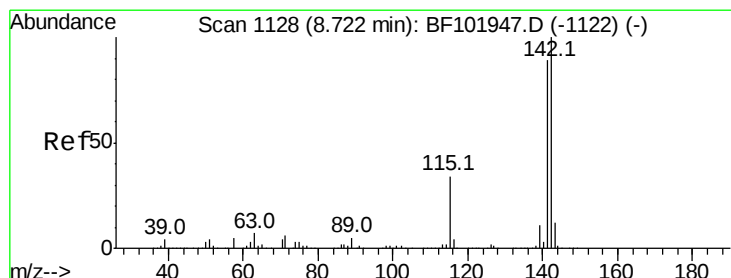
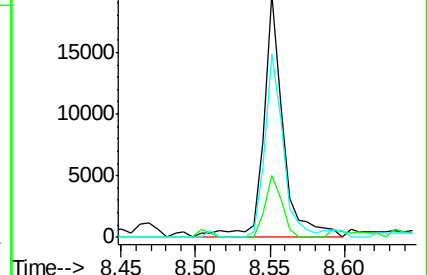
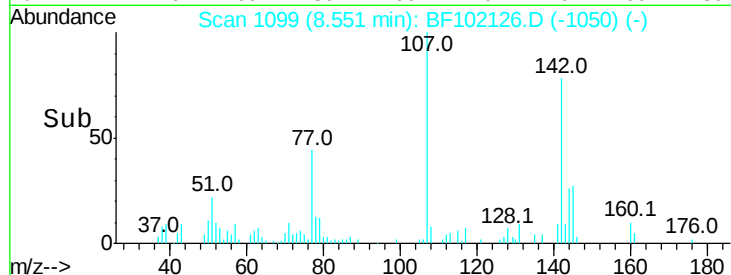
142 75.4 62.0 93.0



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: 3.284 ng

RT: 8.72 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

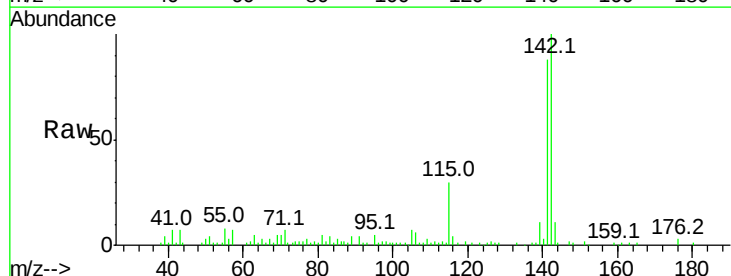
Tgt Ion:142 Resp: 56941

Ion Ratio Lower Upper

142 100

141 87.6 70.8 106.2

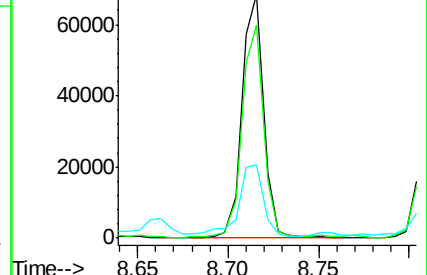
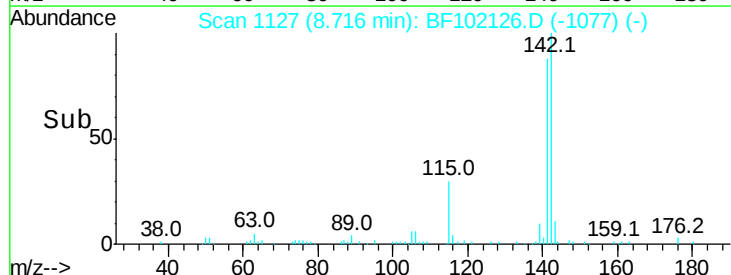
115 30.2 26.1 39.1

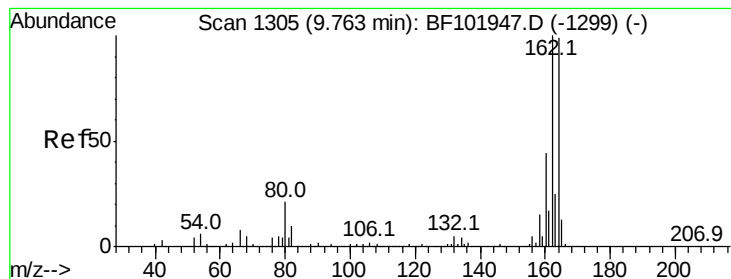


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

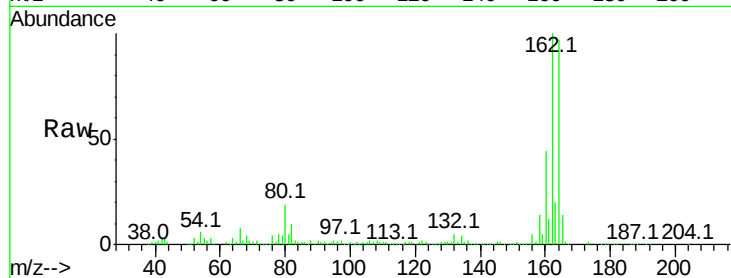
Tot Ion:164 Resp: 222126

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

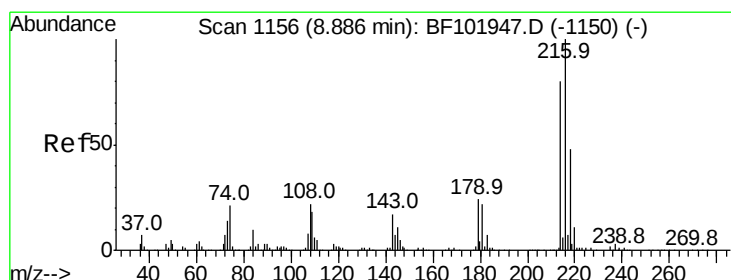
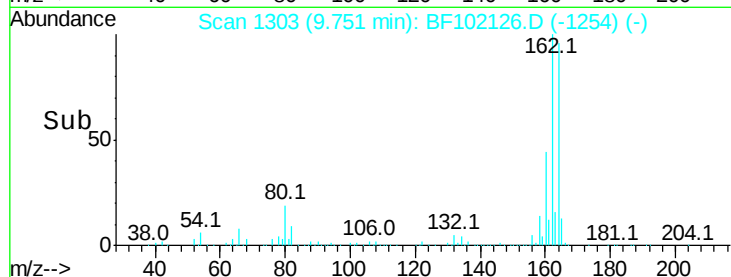
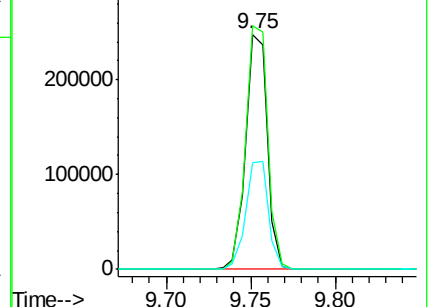
160 45.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.533 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:216 Resp: 15920

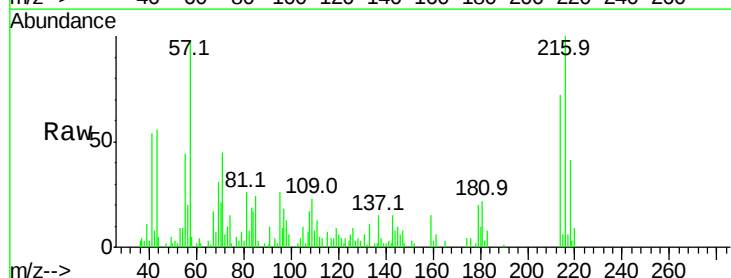
Ion Ratio Lower Upper

216 100

214 76.4 63.0 94.4

179 26.0 18.1 27.1

108 24.7 17.2 25.8

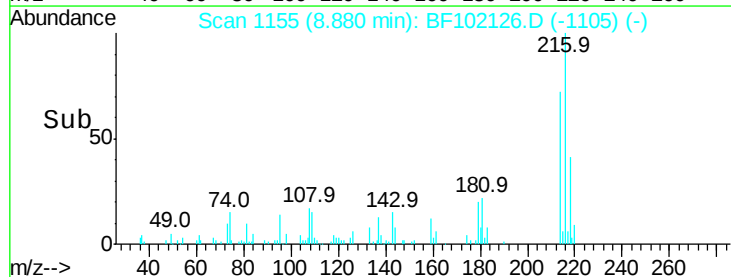
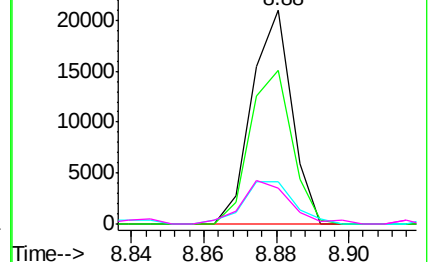


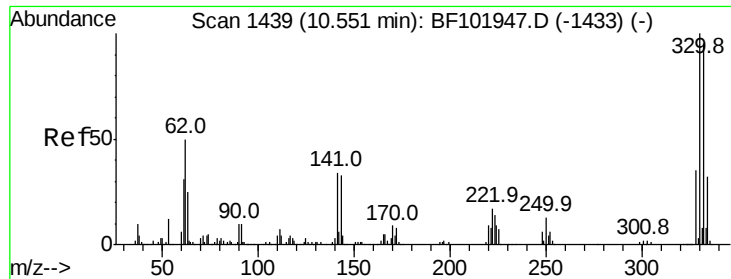
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

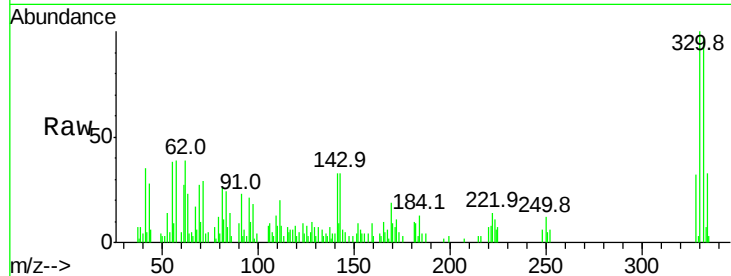




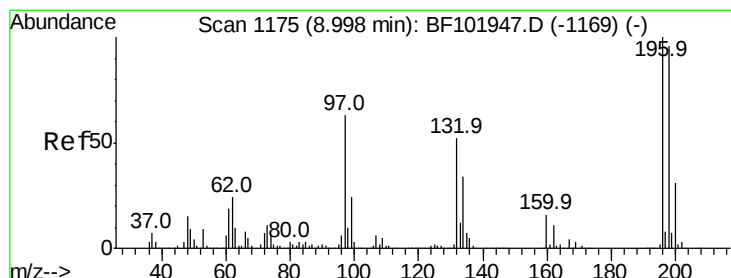
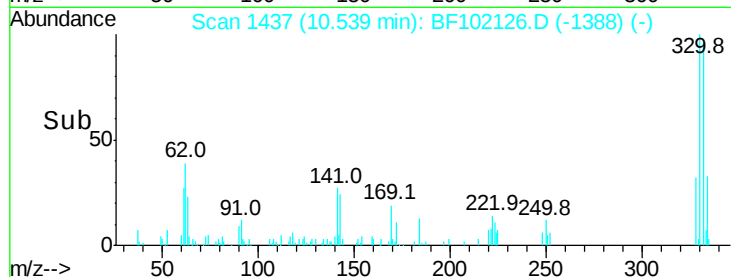
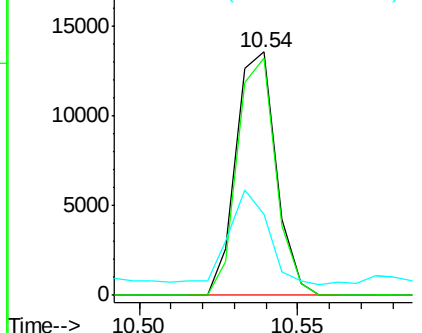
#41  
 2,4,6-Tribromophenol  
 Concen: 6.160 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 11940  
 Ion Ratio Lower Upper  
 330 100  
 332 93.2 77.0 115.6  
 141 38.9 29.9 44.9

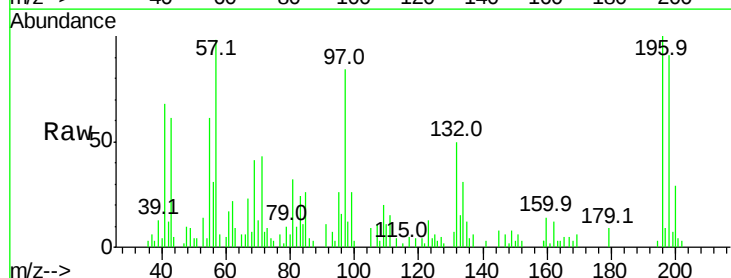


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

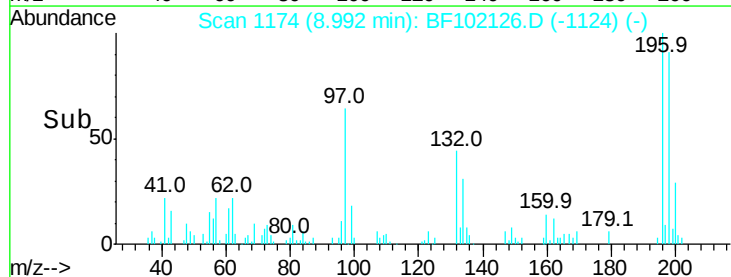
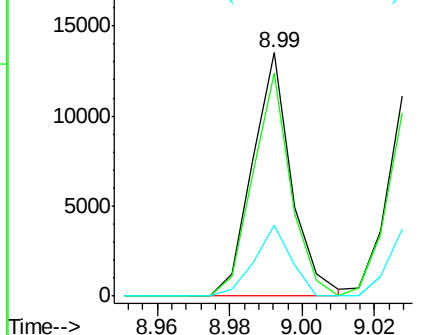


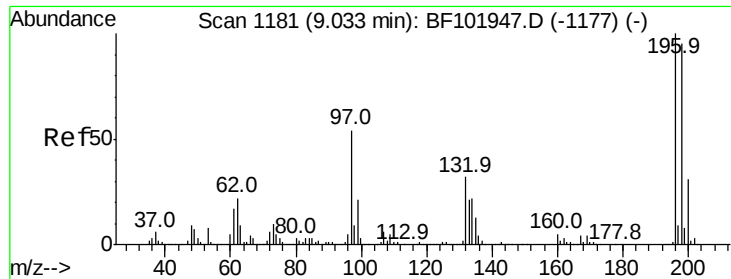
#42  
 2,4,6-Trichlorophenol  
 Concen: 2.343 ng  
 RT: 8.99 min Scan# 1174  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:196 Resp: 10146  
 Ion Ratio Lower Upper  
 196 100  
 198 91.5 75.7 113.5  
 200 29.0 24.5 36.7



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

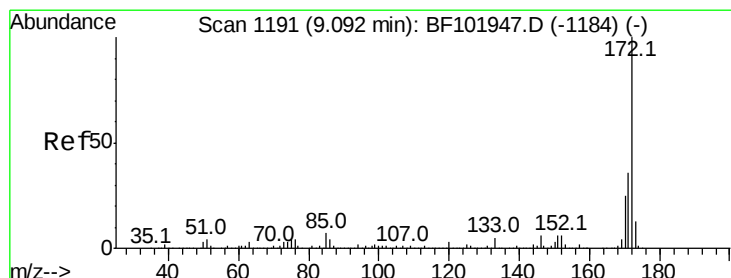
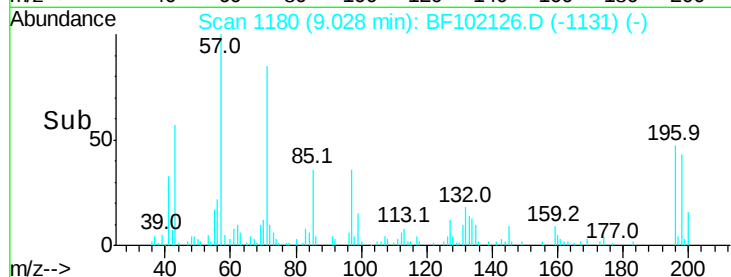
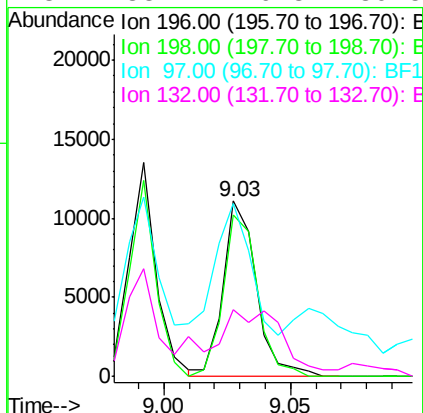
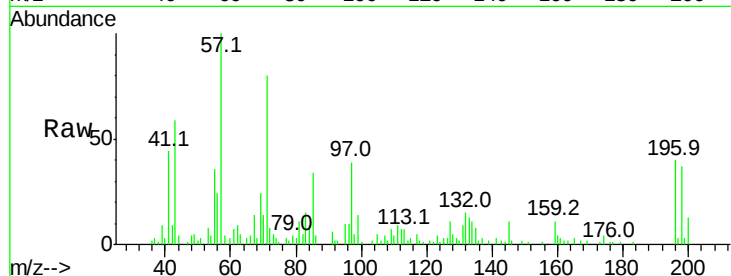




#43  
 2,4,5-Trichlorophenol  
 Concen: 2.058 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

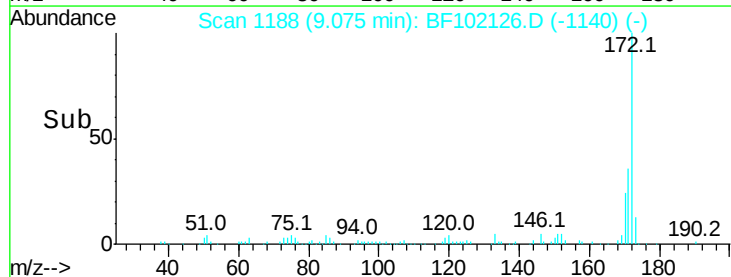
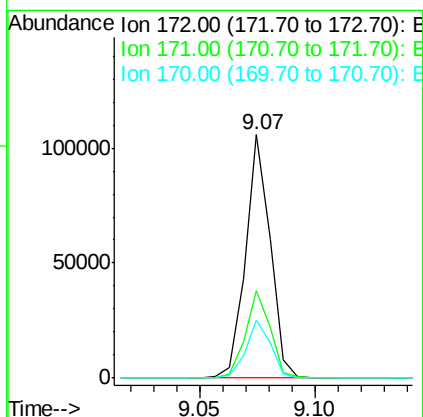
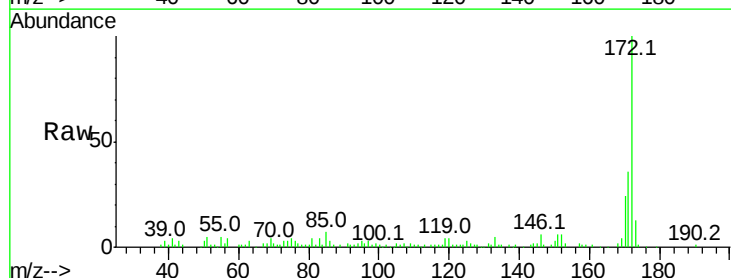
Instrument :  
 BNA\_F  
 ClientSampleId :

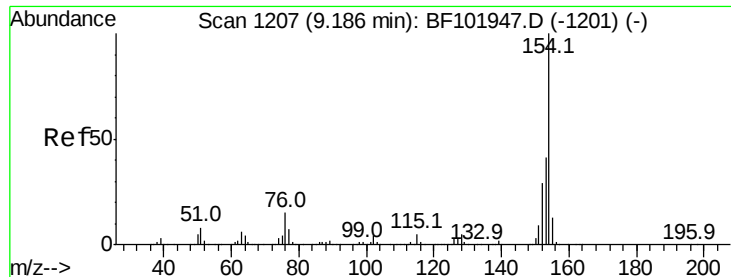
Tot Ion:196 Resp: 10072  
 Ion Ratio Lower Upper  
 196 100  
 198 91.9 74.6 112.0  
 97 98.6 42.9 64.3#  
 132 38.2 26.3 39.5



#44  
 2-Fluorobiphenyl  
 Concen: 5.555 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:172 Resp: 78977  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 23.8 19.6 29.4

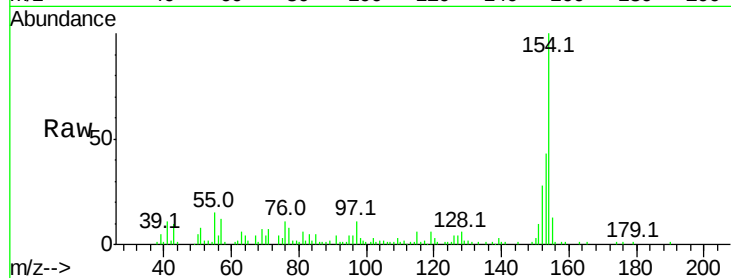




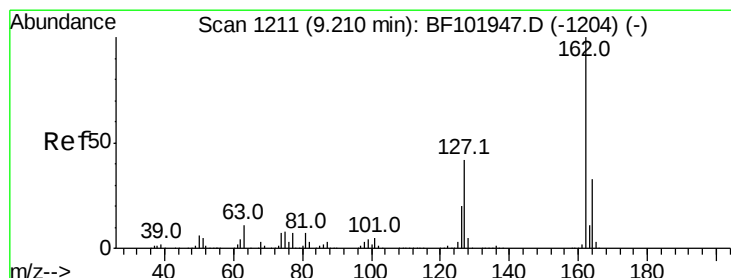
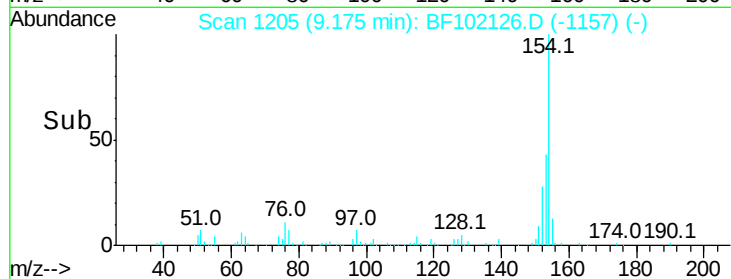
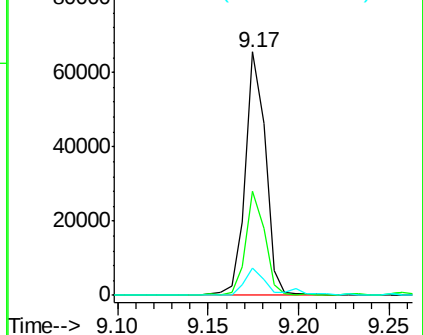
#45  
 1,1'-Biphenyl  
 Concen: 2.581 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.7  | 21.3  | 61.3  |
| 76      | 11.1  | 0.0   | 34.0  |

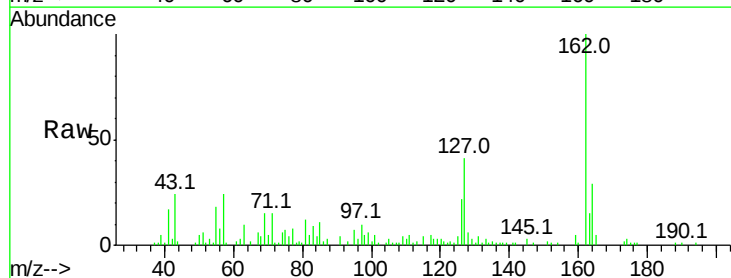


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

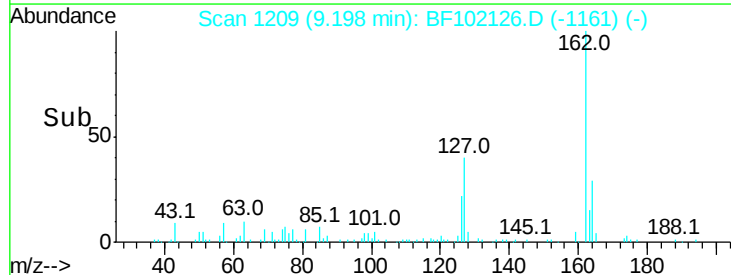
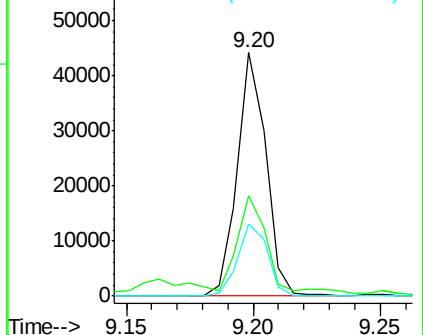


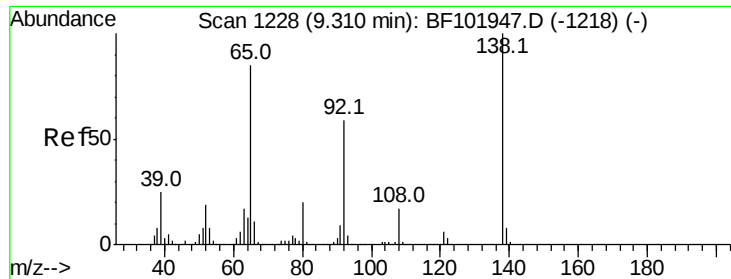
#46  
 2-Chloronaphthalene  
 Concen: 2.274 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.1  | 33.9  | 50.9  |
| 164     | 29.4  | 26.5  | 39.7  |



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: 2.016 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

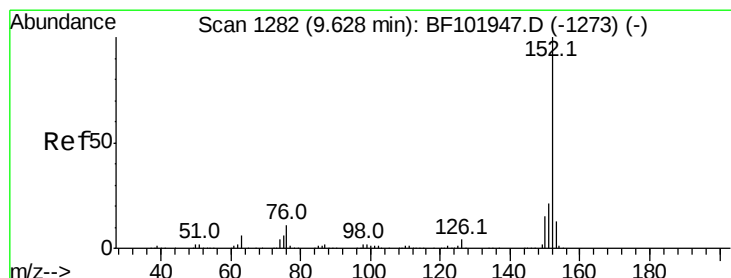
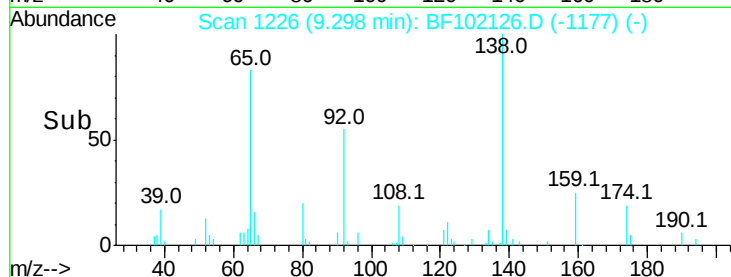
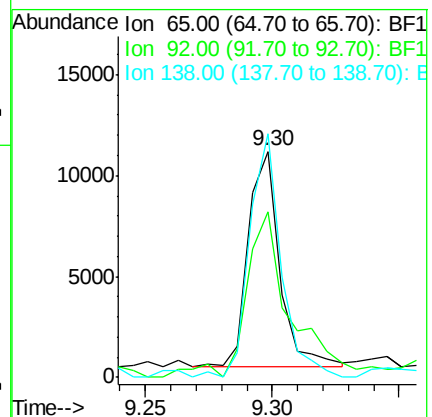
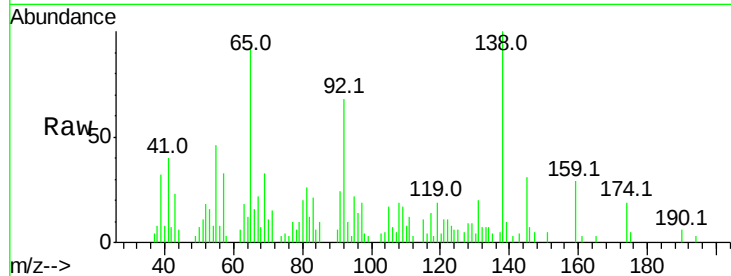
Tot Ion: 65 Resp: 9196

Ion Ratio Lower Upper

65 100

92 73.5 55.8 83.6

138 107.7 91.2 136.8



#48

Acenaphthylene

Concen: 2.469 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

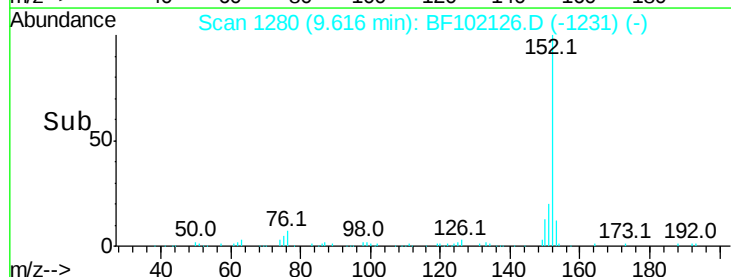
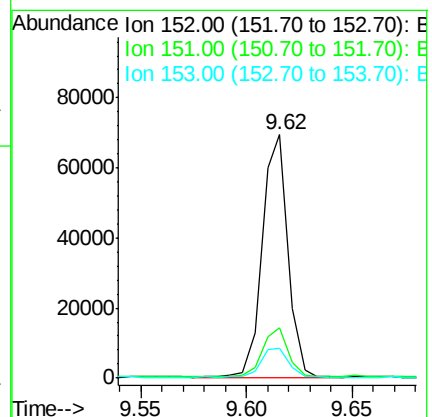
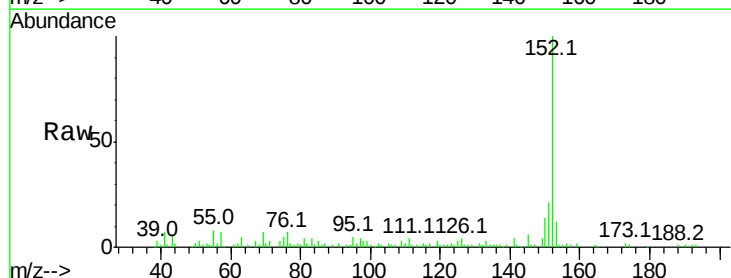
Tgt Ion: 152 Resp: 59666

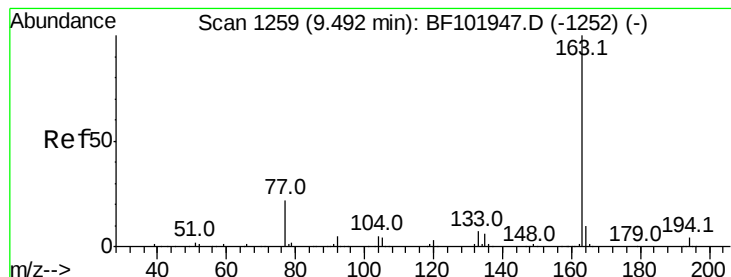
Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

153 12.5 10.7 16.1





#49

Dimethylphthalate

Concen: 2.710 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

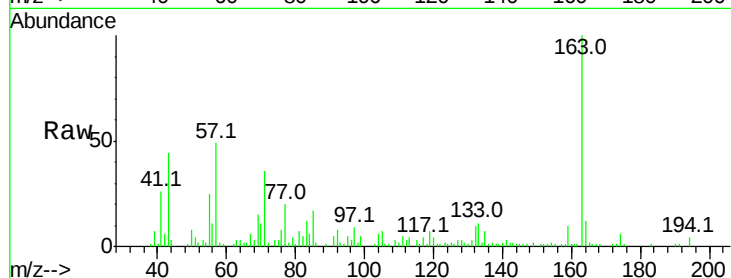
Tot Ion:163 Resp: 48293

Ion Ratio Lower Upper

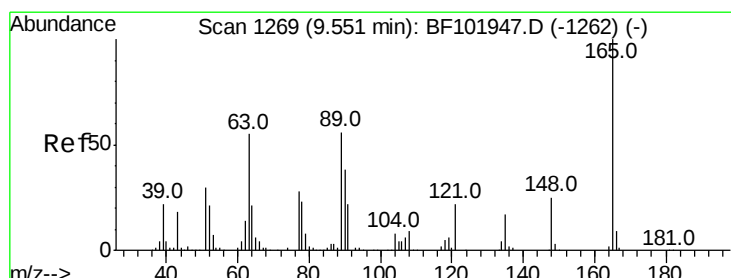
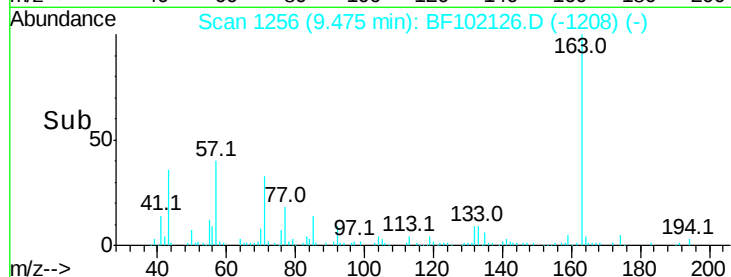
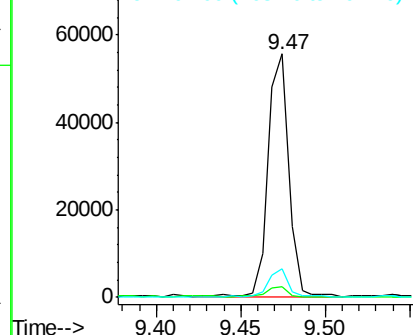
163 100

194 4.2 2.7 4.1#

164 11.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 2.460 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

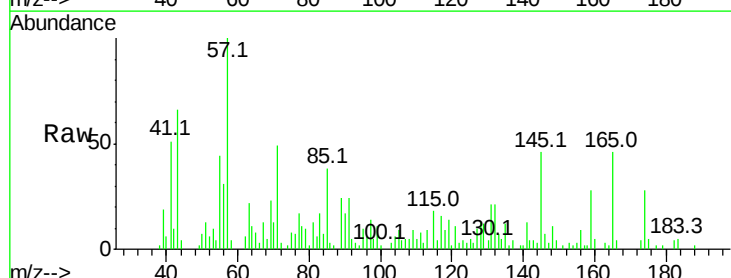
Tgt Ion:165 Resp: 8756

Ion Ratio Lower Upper

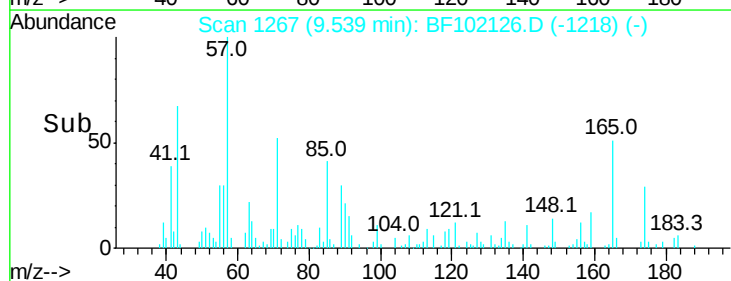
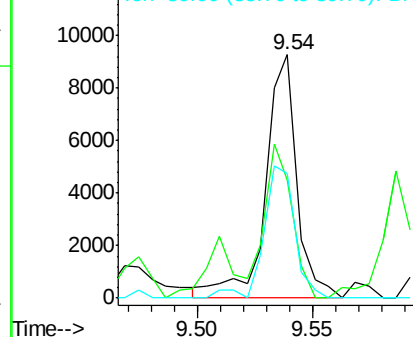
165 100

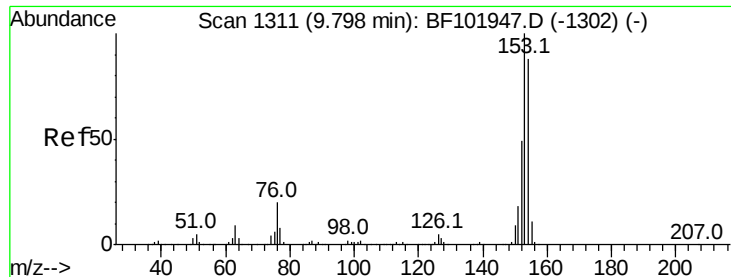
63 48.3 44.7 67.1

89 51.2 44.0 66.0



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





#51

Acenaphthene

Concen: 2.402 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

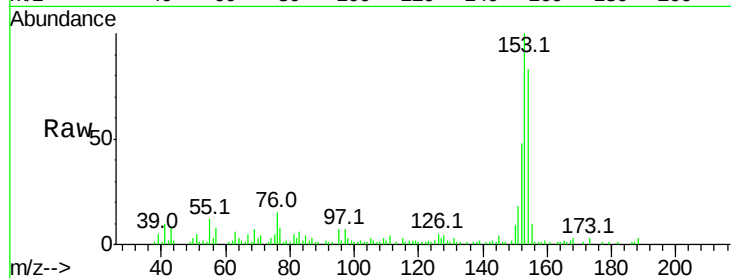
Tot Ion:154 Resp: 35229

Ion Ratio Lower Upper

154 100

153 120.7 91.2 136.8

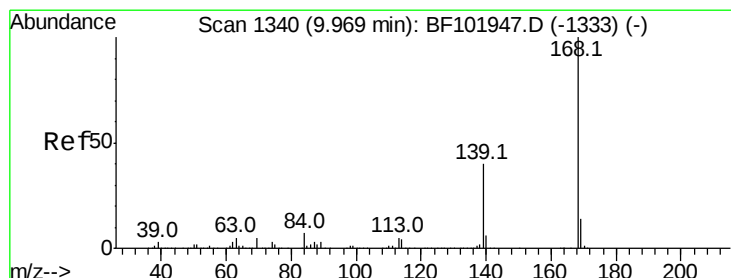
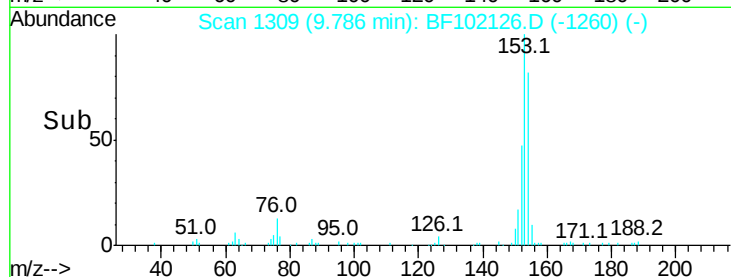
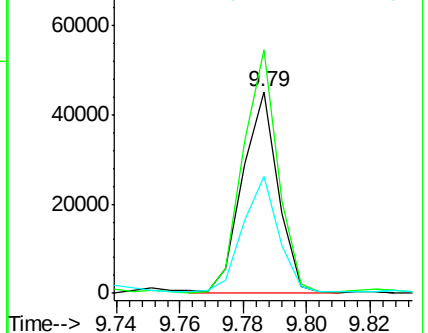
152 58.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.457 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

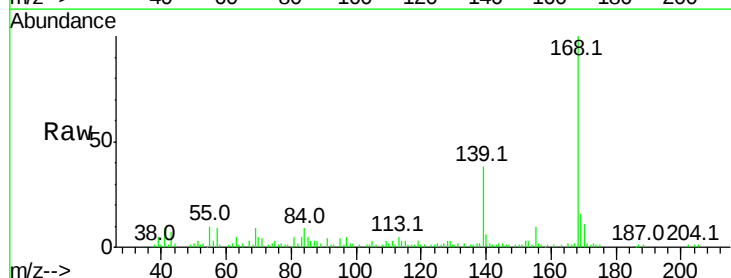
Tgt Ion:168 Resp: 49445

Ion Ratio Lower Upper

168 100

139 38.0 30.1 45.1

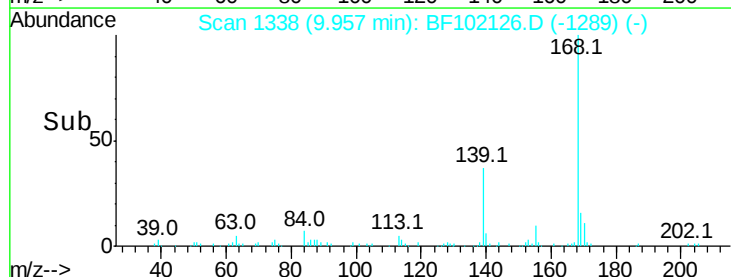
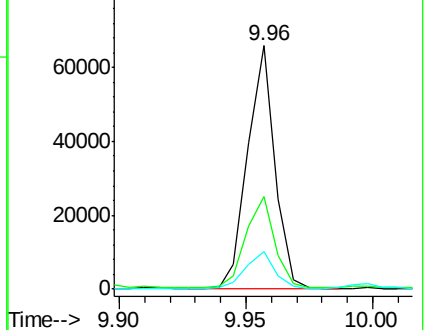
169 15.6 10.9 16.3

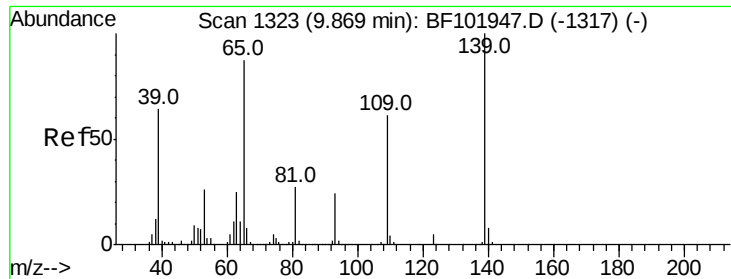


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

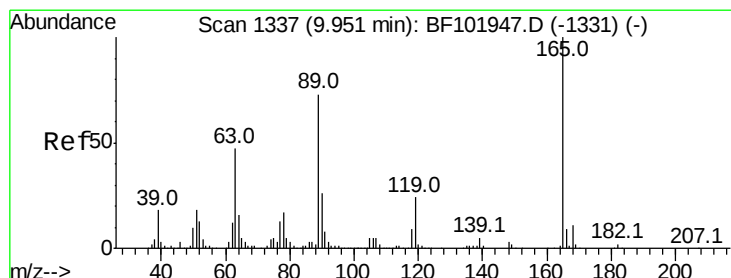
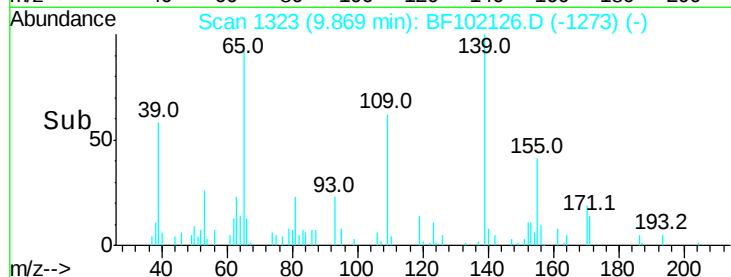
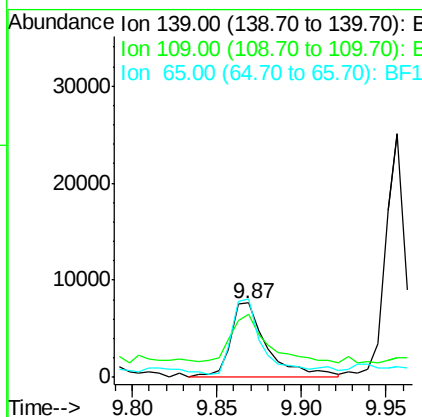
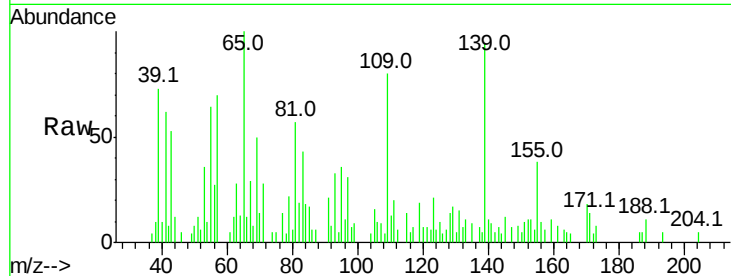




#55  
4-Nitrophenol  
Concen: 3.490 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

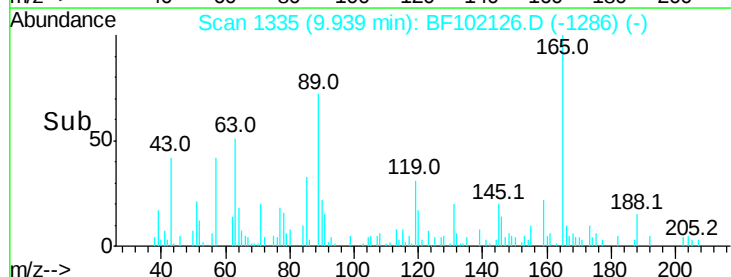
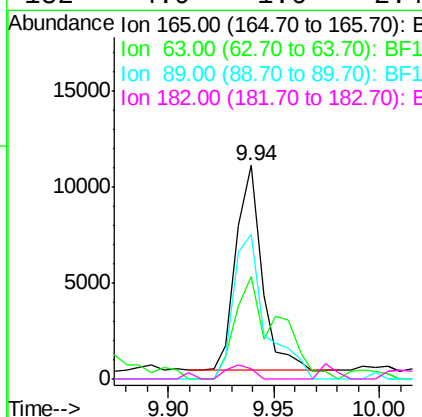
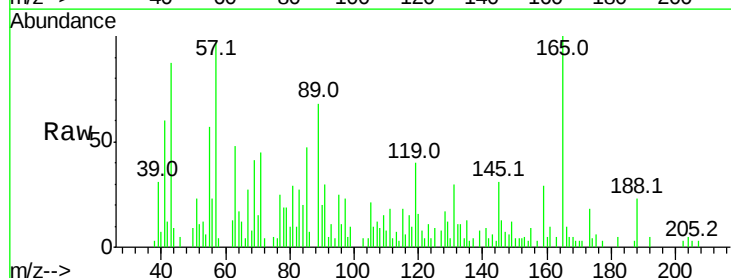
Instrument :  
BNA\_F  
ClientSampleId :

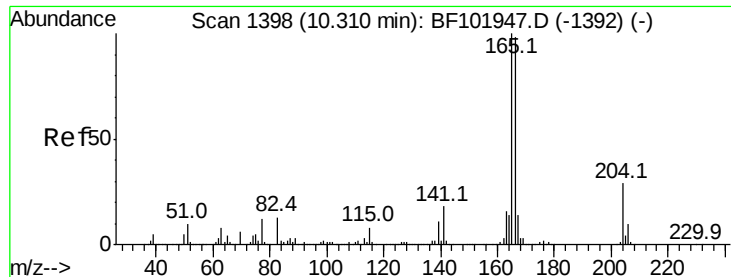
Tot Ion:139 Resp: 11683  
Ion Ratio Lower Upper  
139 100  
109 84.9 48.4 88.4  
65 106.2 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 2.025 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:165 Resp: 9036  
Ion Ratio Lower Upper  
165 100  
63 47.7 36.4 54.6  
89 67.7 57.8 86.6  
182 4.9 1.6 2.4#

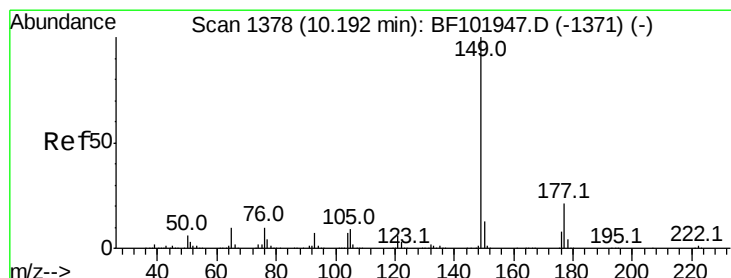
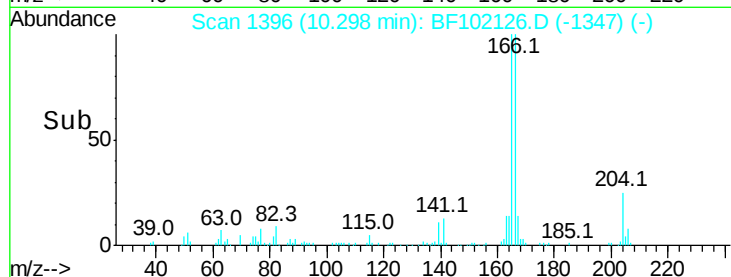
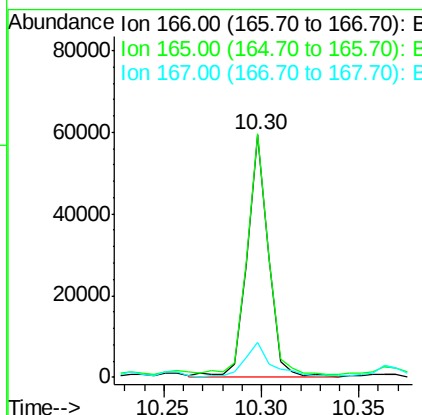
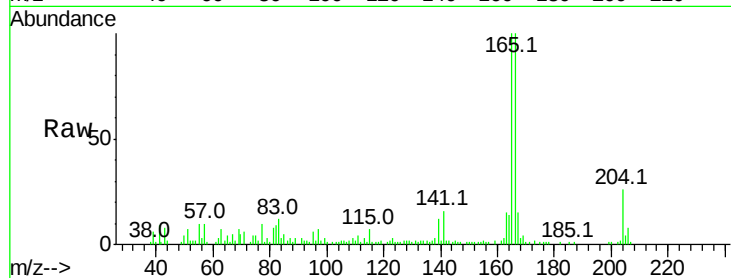




#57  
Fluorene  
Concen: 3.240 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

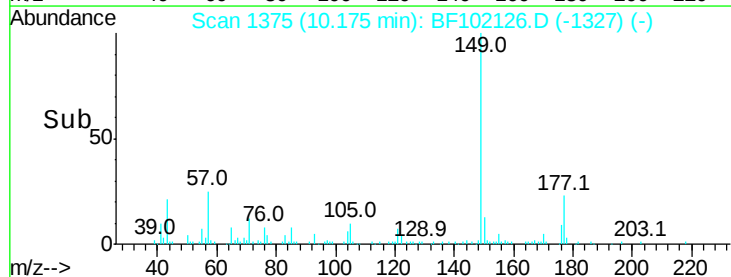
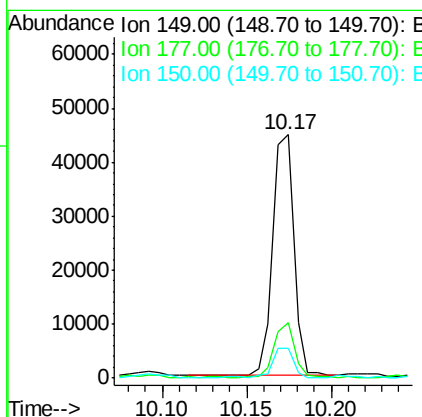
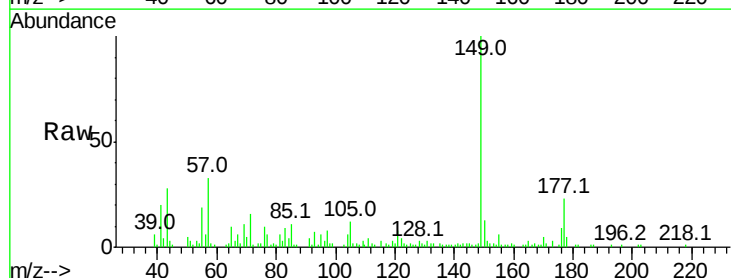
Instrument :  
BNA\_F  
ClientSampleId :

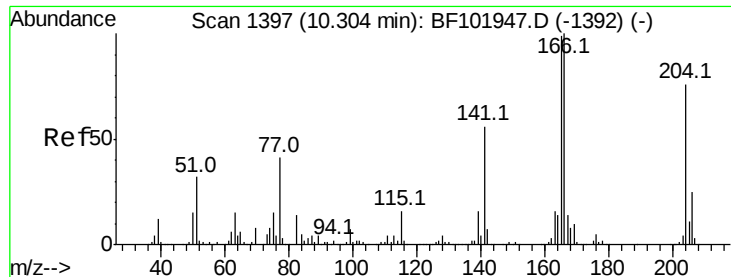
Tot Ion:166 Resp: 45084  
Ion Ratio Lower Upper  
166 100  
165 100.4 79.8 119.8  
167 14.7 10.6 16.0



#59  
Diethylphthalate  
Concen: 2.202 ng  
RT: 10.17 min Scan# 1375  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:149 Resp: 39034  
Ion Ratio Lower Upper  
149 100  
177 22.9 16.1 24.1  
150 12.5 10.1 15.1

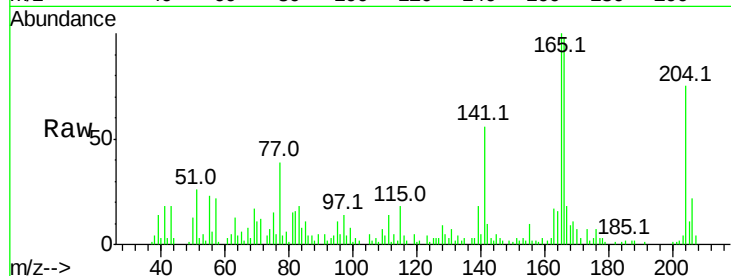




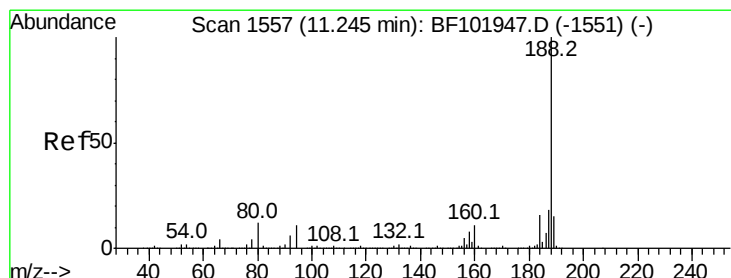
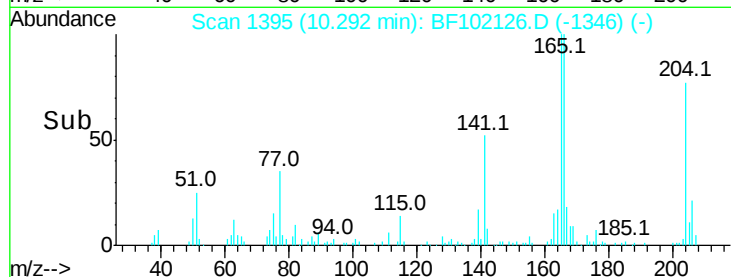
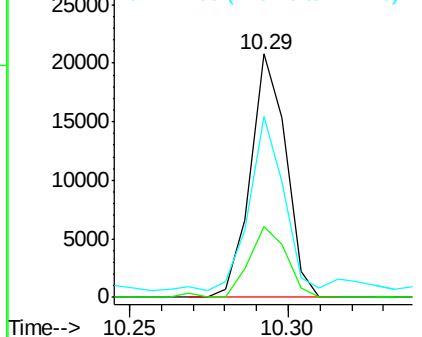
#60  
 4-Chlorophenyl-phenylether  
 Concen: 2.719 ng  
 RT: 10.29 min Scan# 1395  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:204 Resp: 16107  
 Ion Ratio Lower Upper  
 204 100  
 206 29.3 26.5 39.7  
 141 74.3 54.6 81.8

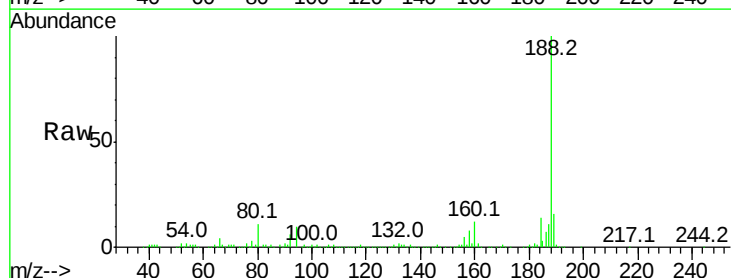


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

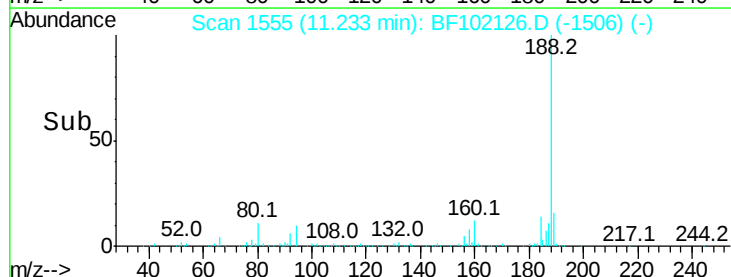
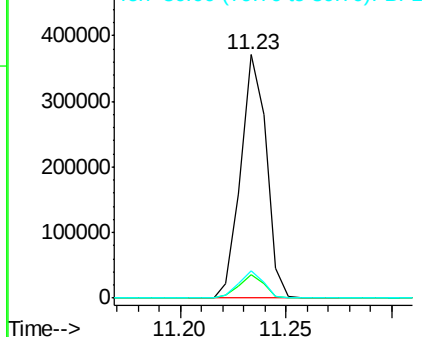


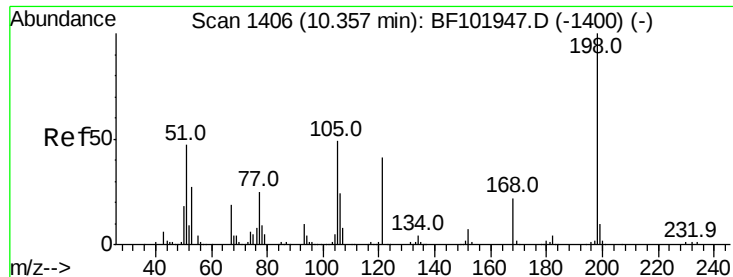
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:188 Resp: 311449  
 Ion Ratio Lower Upper  
 188 100  
 94 9.8 8.5 12.7  
 80 11.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.921 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.28 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampled :

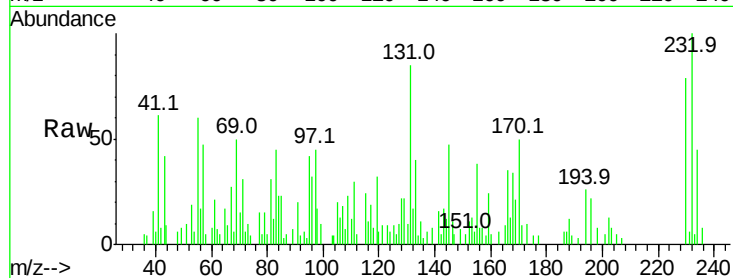
Tot Ion:198 Resp: 497

Ion Ratio Lower Upper

198 100

51 122.4 37.7 77.7#

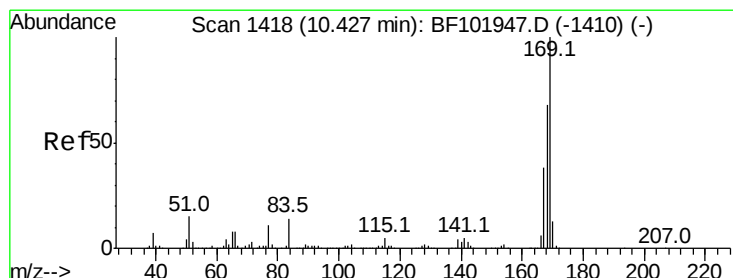
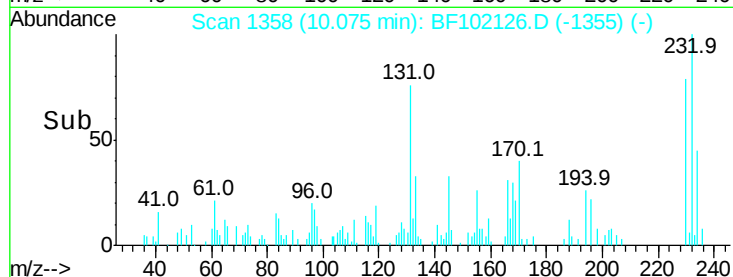
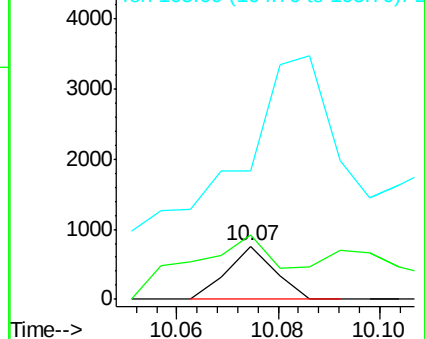
105 241.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 2.864 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

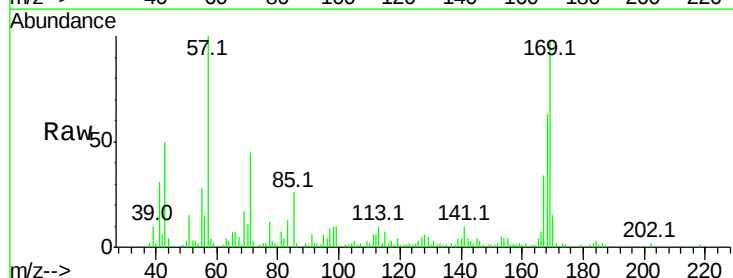
Tgt Ion:169 Resp: 33401

Ion Ratio Lower Upper

169 100

168 64.0 54.4 81.6

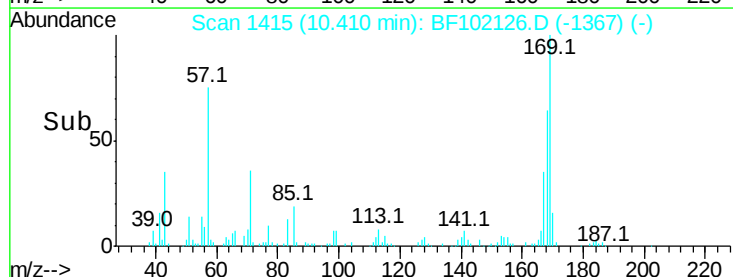
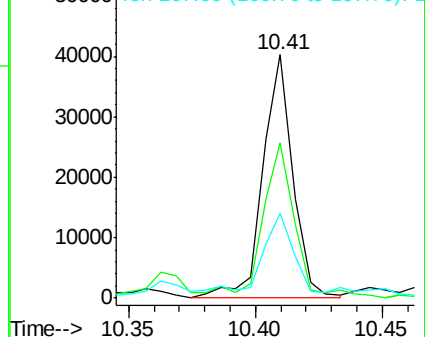
167 34.7 29.8 44.6

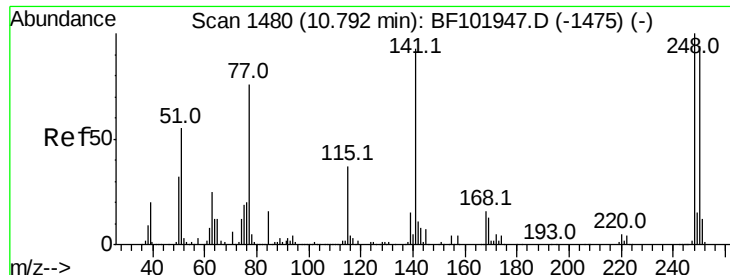


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

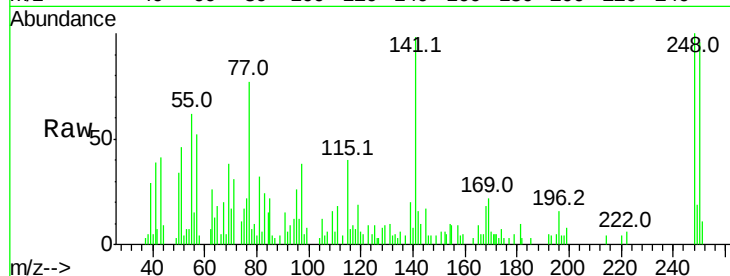




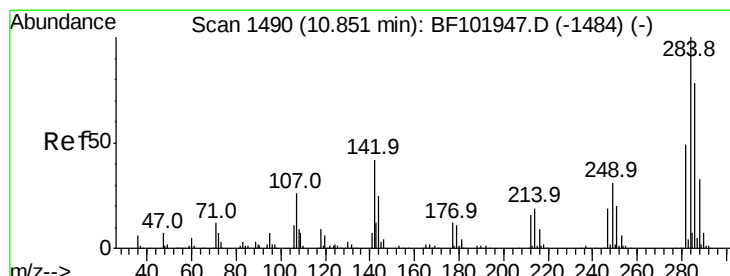
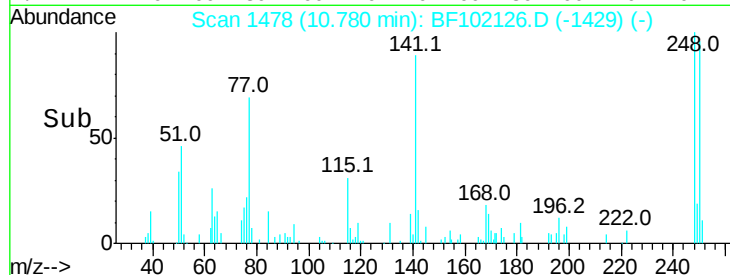
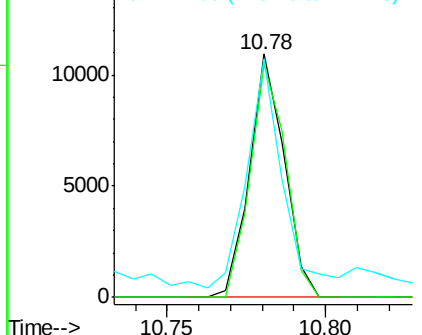
#66  
4-Bromophenyl-phenylether  
Concen: 2.537 ng  
RT: 10.78 min Scan# 1478  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 8345  
Ion Ratio Lower Upper  
248 100  
250 95.7 76.9 115.3  
141 97.9 74.4 111.6

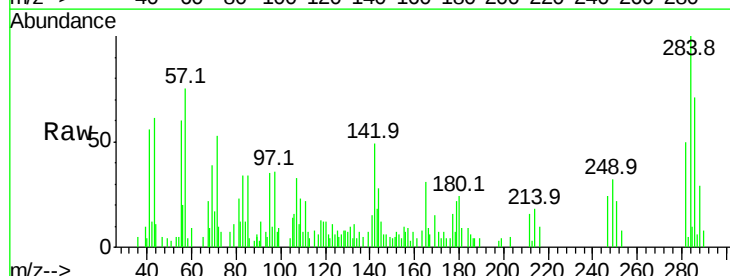


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

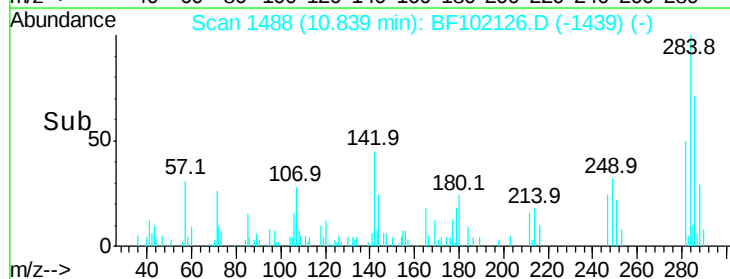
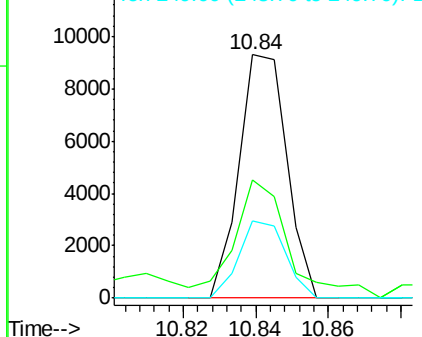


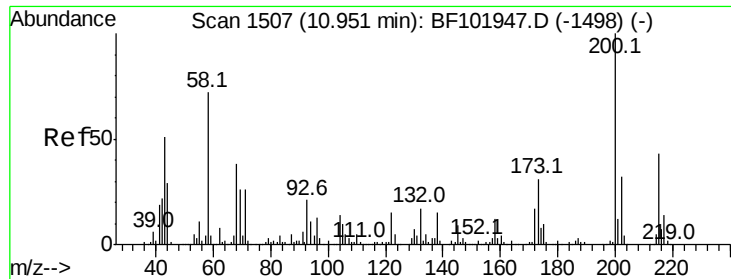
#67  
Hexachlorobenzene  
Concen: 2.364 ng  
RT: 10.84 min Scan# 1488  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:284 Resp: 8488  
Ion Ratio Lower Upper  
284 100  
142 48.5 34.6 52.0  
249 31.6 24.8 37.2



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

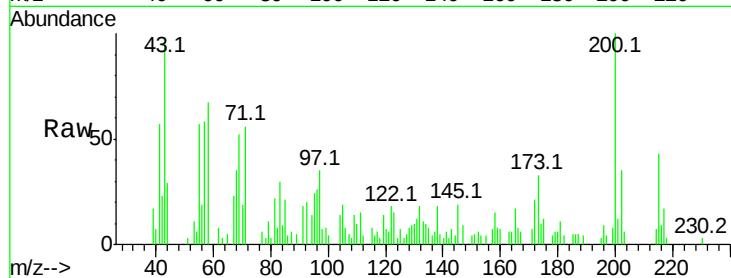




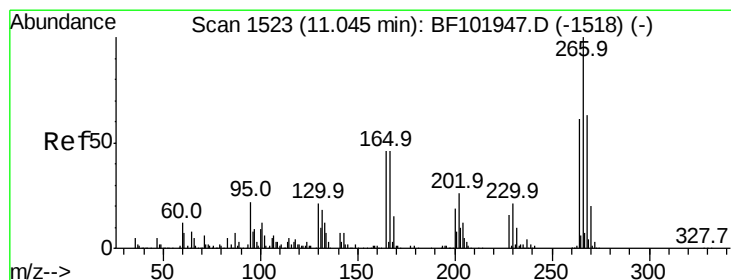
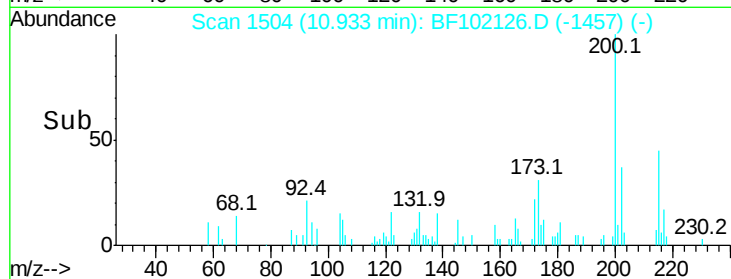
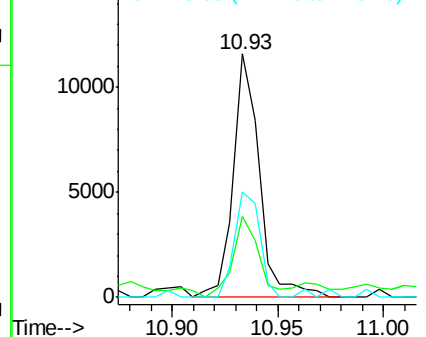
#68  
Atrazine  
Concen: 2.931 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:200 Resp: 9879  
Ion Ratio Lower Upper  
200 100  
173 33.1 8.6 48.6  
215 43.1 25.1 65.1

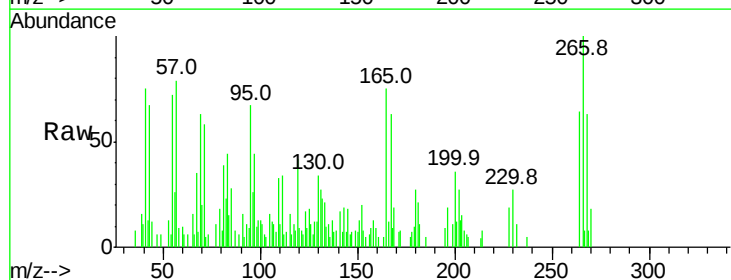


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

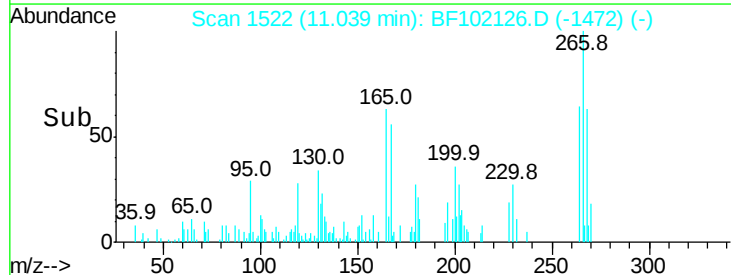
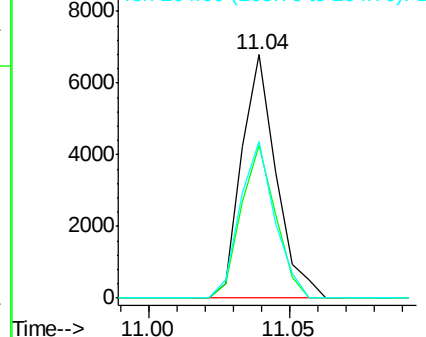


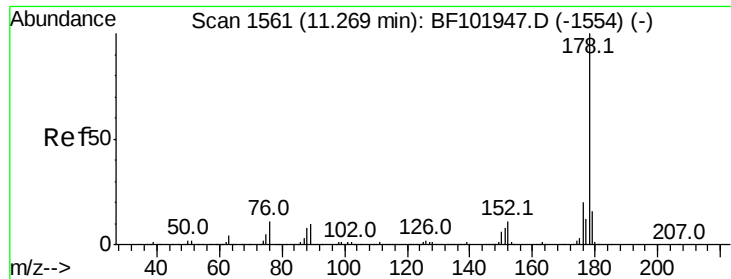
#69  
Pentachlorophenol  
Concen: 2.644 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:266 Resp: 5788  
Ion Ratio Lower Upper  
266 100  
268 63.0 51.1 76.7  
264 64.5 49.5 74.3



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: 5.327 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

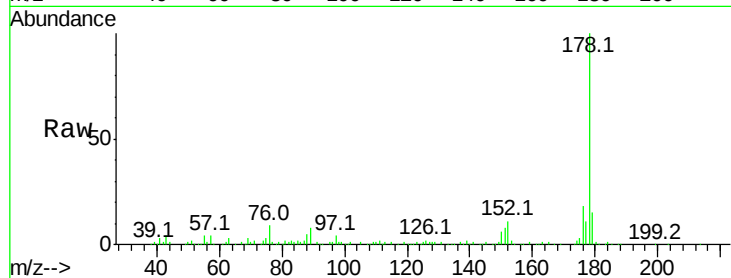
Tot Ion:178 Resp: 96914

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

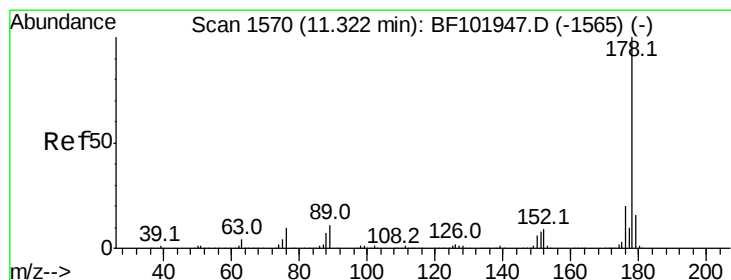
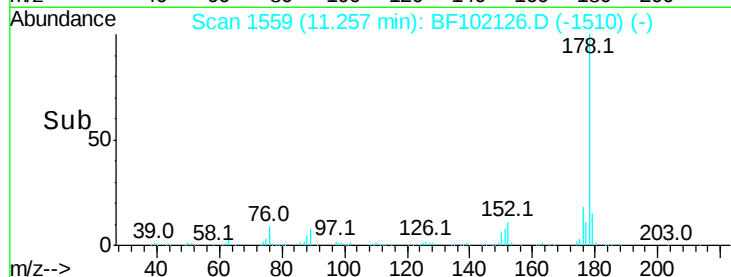
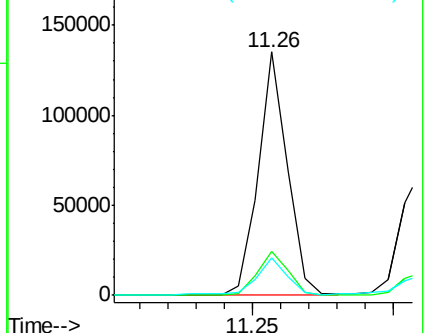
179 15.2 13.0 19.6



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: 3.005 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

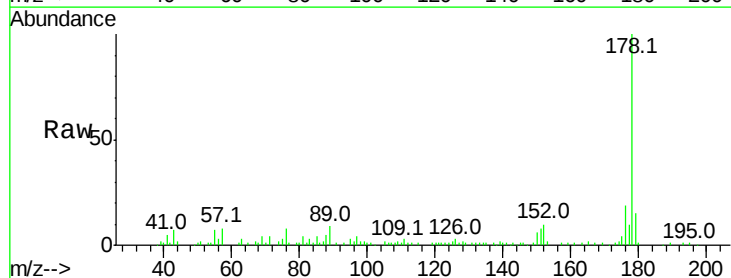
Tgt Ion:178 Resp: 55453

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

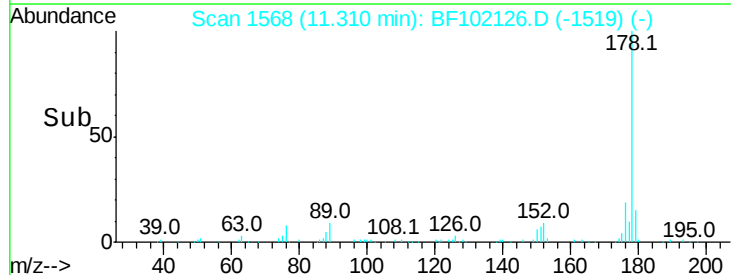
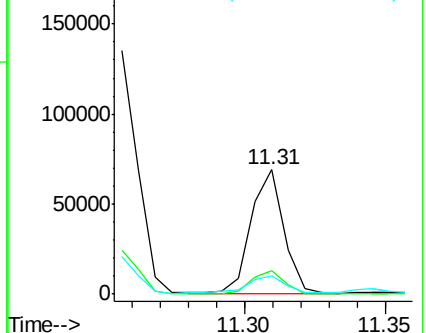
179 15.0 12.6 19.0

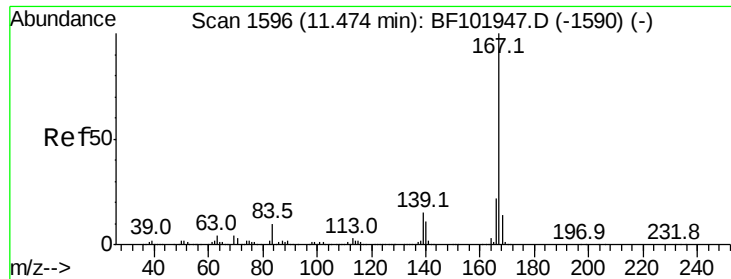


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

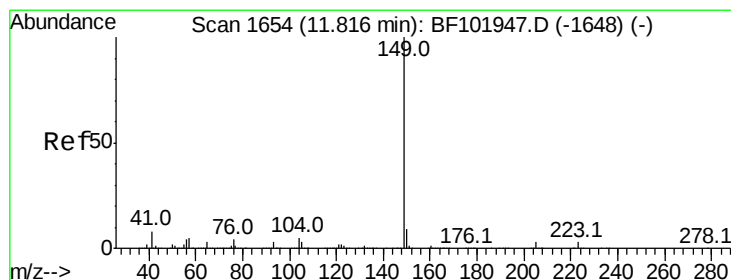
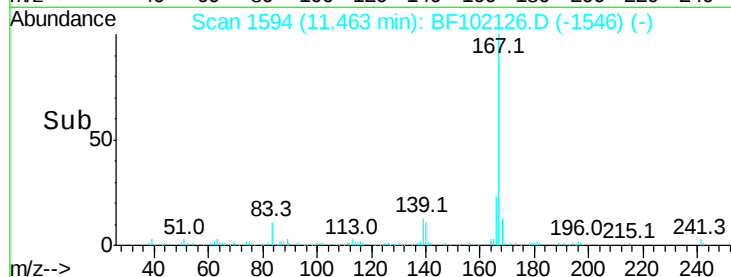
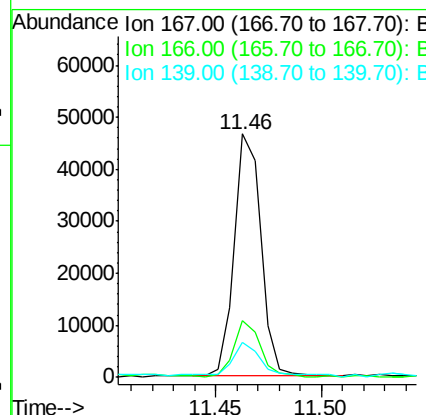
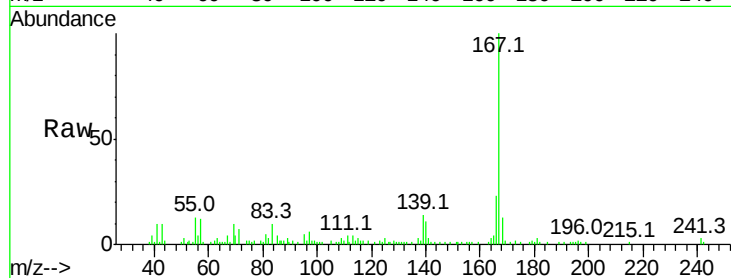




#72  
 Carbazole  
 Concen: 2.222 ng  
 RT: 11.46 min Scan# 1594  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

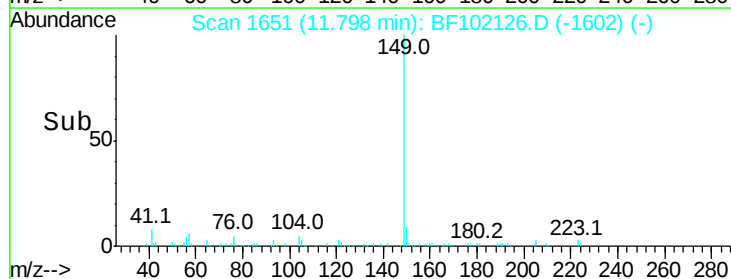
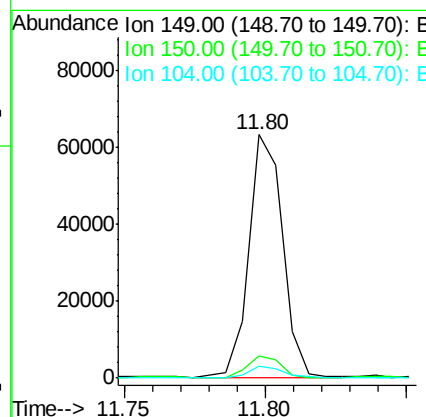
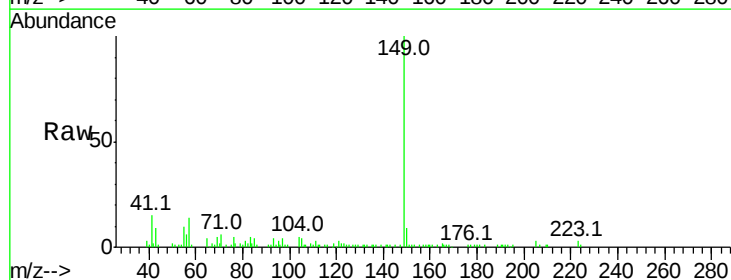
Instrument :  
 BNA\_F  
 ClientSampleId :

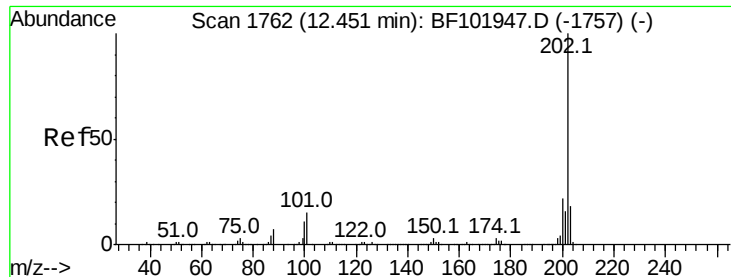
Tot Ion:167 Resp: 40289  
 Ion Ratio Lower Upper  
 167 100  
 166 23.4 17.6 26.4  
 139 14.4 10.9 16.3



#73  
 Di-n-butylphthalate  
 Concen: 2.371 ng  
 RT: 11.80 min Scan# 1651  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:149 Resp: 52756  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.8 11.6  
 104 4.8 3.8 5.8

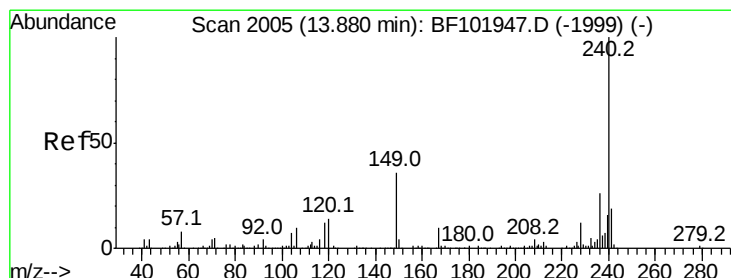
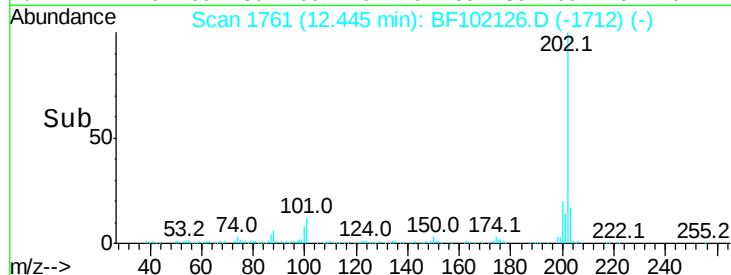
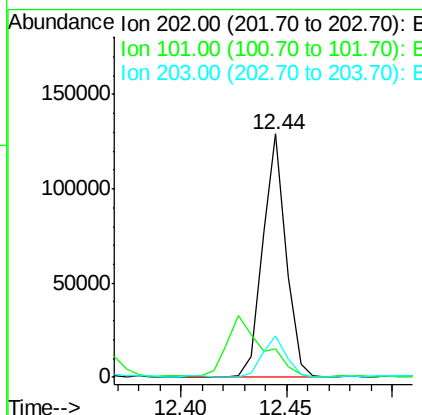
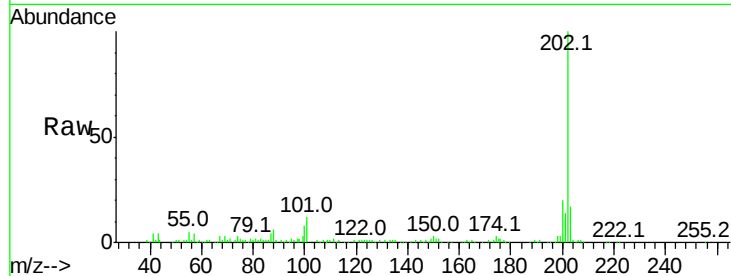




#74  
Fluoranthene  
Concen: 5.473 ng  
RT: 12.44 min Scan# 1761  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

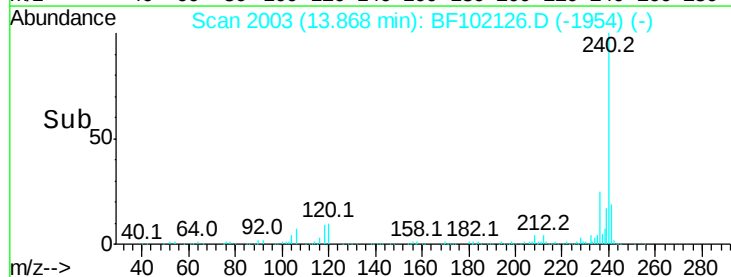
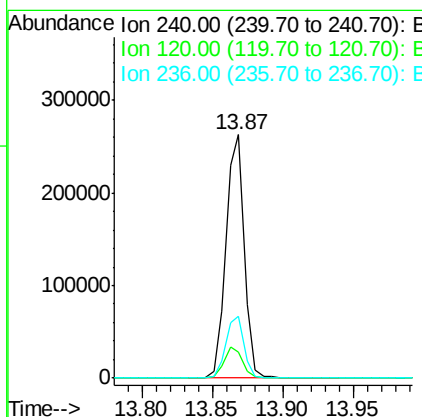
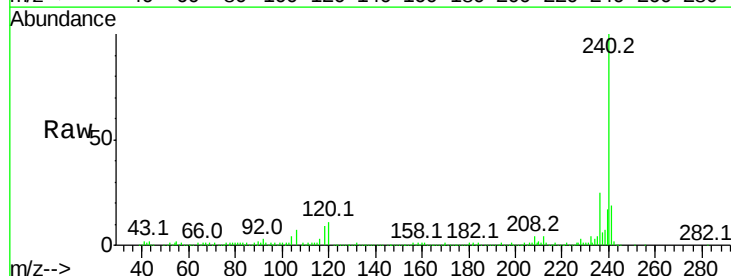
Instrument :  
BNA\_F  
ClientSampleId :

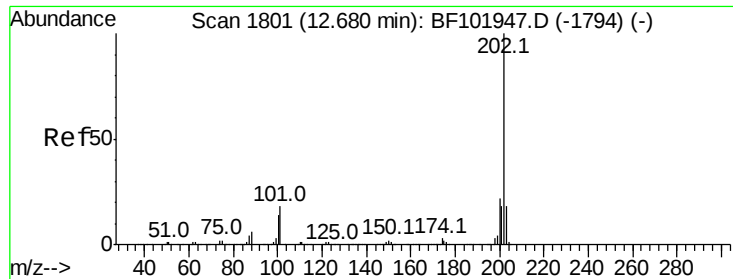
Tot Ion:202 Resp: 97962  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 34.1  
203 17.0 0.0 38.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:240 Resp: 235843  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.5 14.3  
236 25.3 20.7 31.1

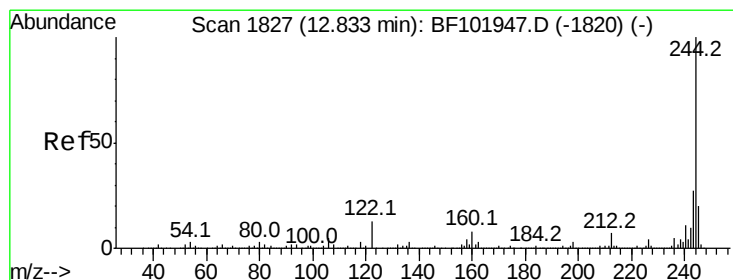
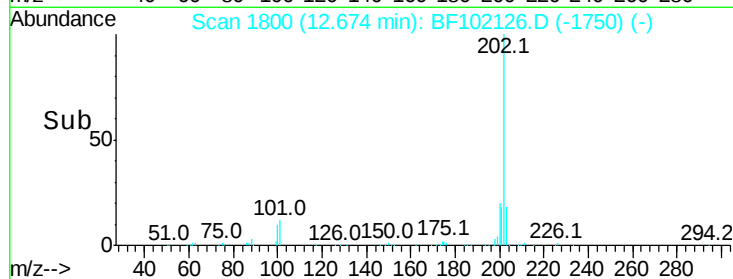
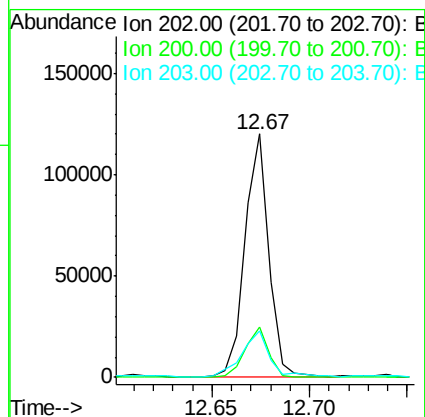
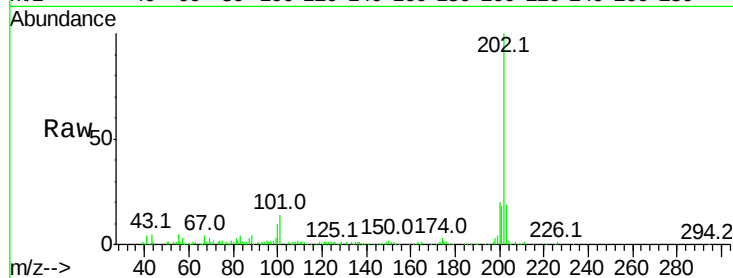




#77  
 Pvrene  
 Concen: 4.921 ng  
 RT: 12.67 min Scan# 1800  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

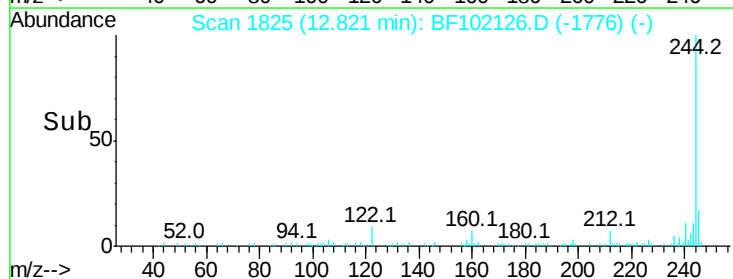
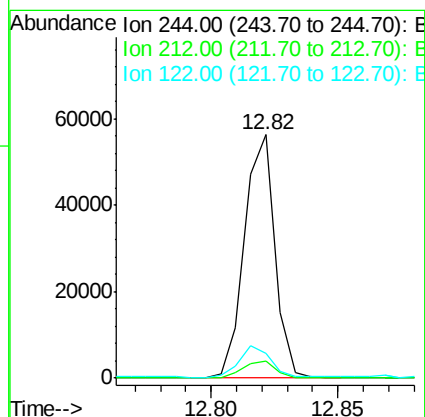
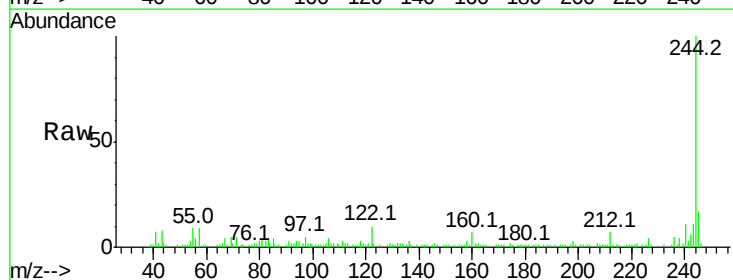
Instrument :  
 BNA\_F  
 ClientSampleId :

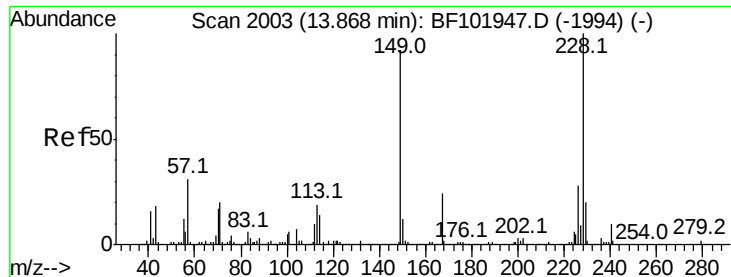
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.4  | 17.4  | 26.2  |
| 203     | 18.9  | 14.3  | 21.5  |



#78  
 Terphenyl-d14  
 Concen: 4.137 ng  
 RT: 12.82 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.4   | 8.0   |
| 122     | 10.0  | 11.0  | 16.4  |

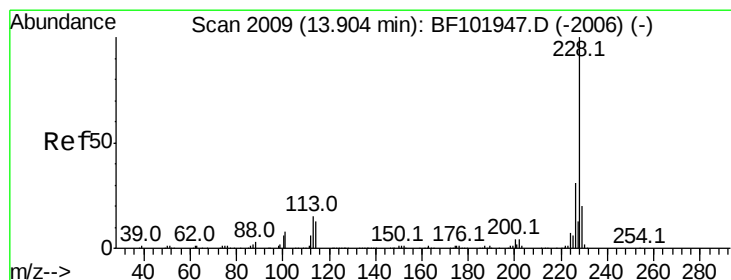
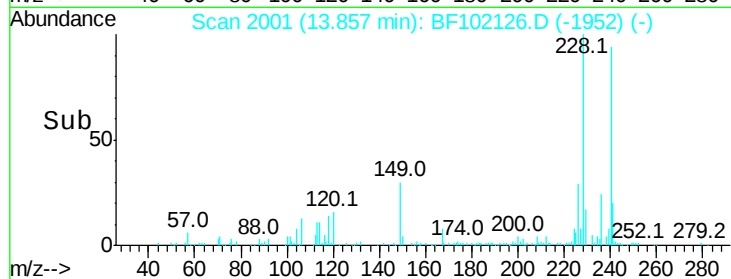
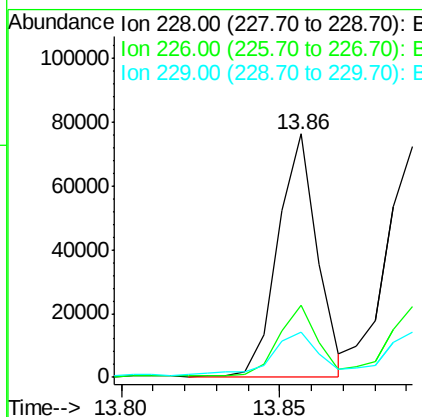
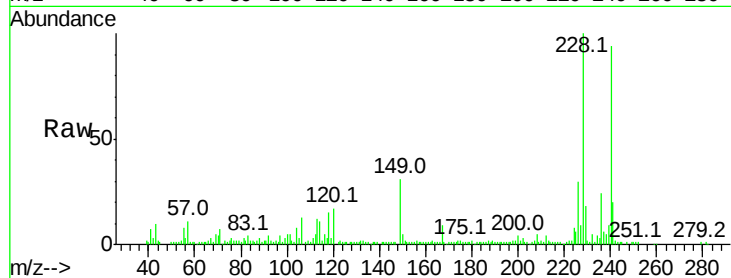




#80  
Benzo(a)anthracene  
Concen: 4.406 ng  
RT: 13.86 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

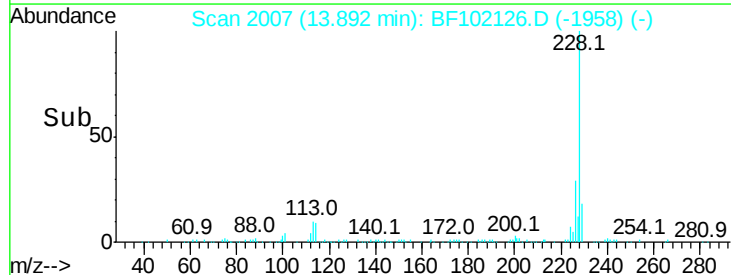
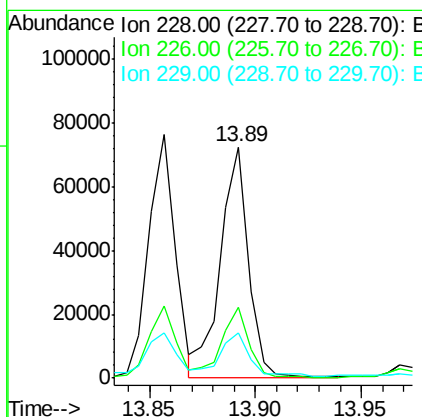
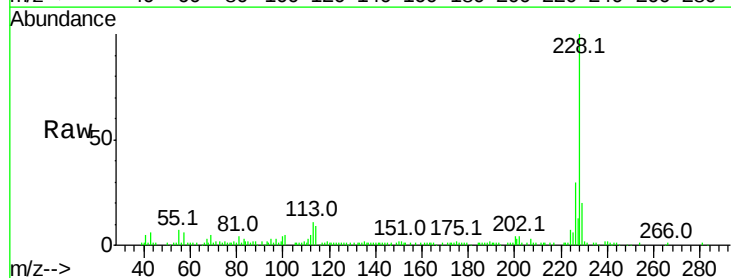
Instrument :  
BNA\_F  
ClientSampled :

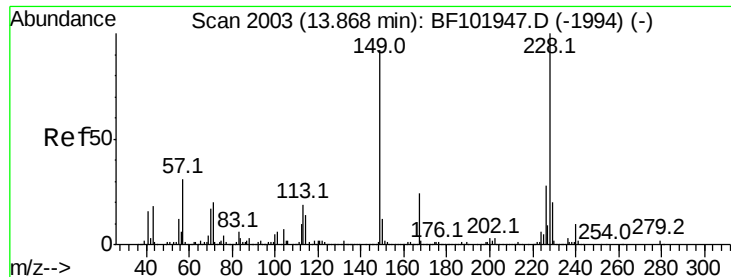
Tot Ion:228 Resp: 66292  
Ion Ratio Lower Upper  
228 100  
226 29.8 22.6 33.8  
229 18.5 15.8 23.6



#82  
Chrysene  
Concen: 4.222 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:228 Resp: 66243  
Ion Ratio Lower Upper  
228 100  
226 30.5 25.0 37.6  
229 19.8 16.2 24.4

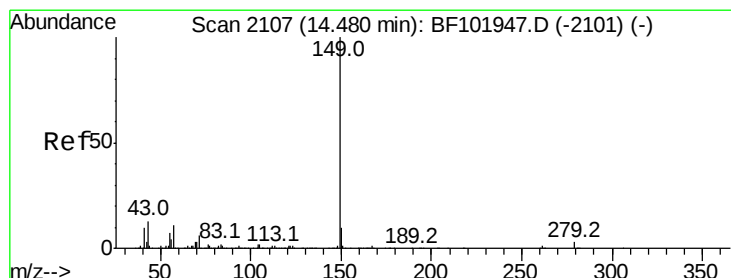
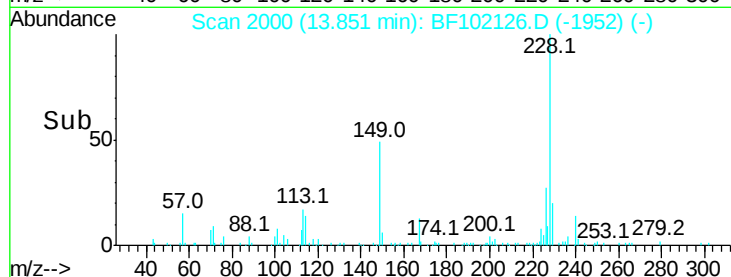
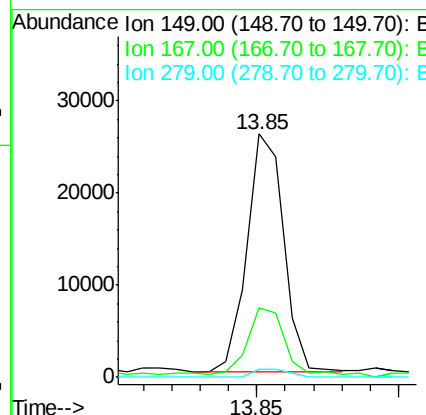
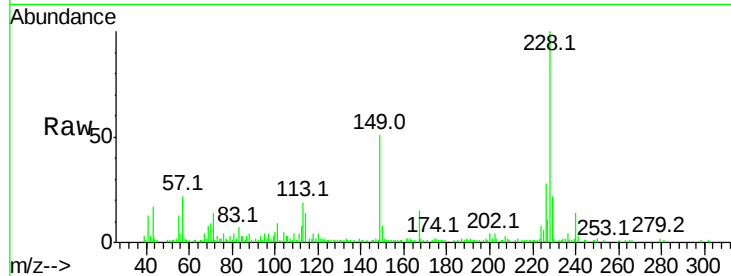




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.096 ng  
 RT: 13.85 min Scan# 2000  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

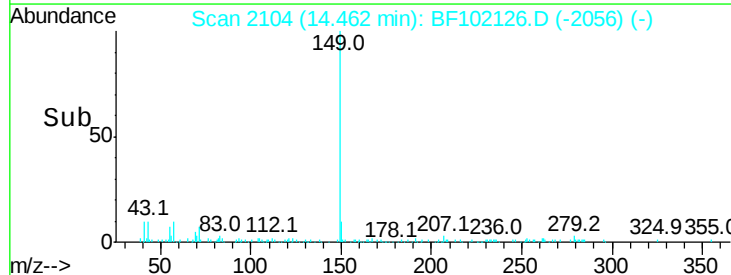
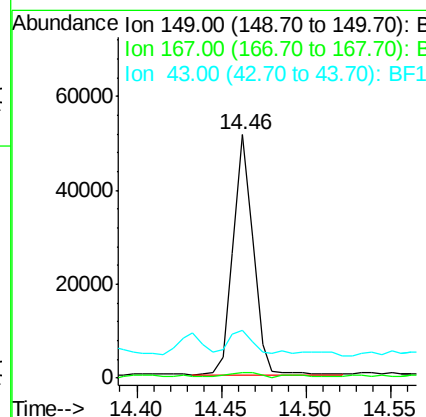
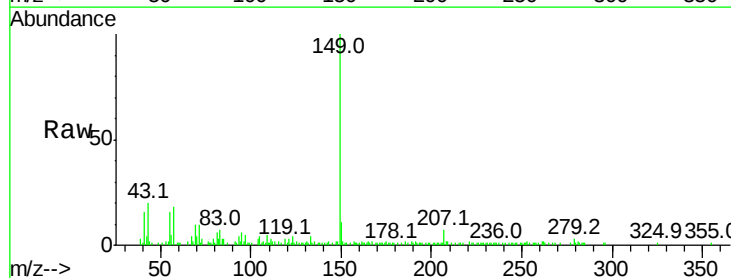
Instrument :  
 BNA\_F  
 ClientSampleId :

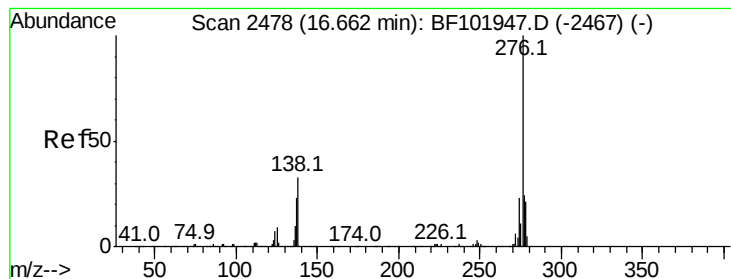
Tot Ion:149 Resp: 23002  
 Ion Ratio Lower Upper  
 149 100  
 167 28.8 21.3 31.9  
 279 3.6 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 2.311 ng  
 RT: 14.46 min Scan# 2104  
 Delta R.T. -0.02 min  
 Lab File: BF102126.D  
 Acq: 16 Jan 2018 22:49

Tgt Ion:149 Resp: 42085  
 Ion Ratio Lower Upper  
 149 100  
 167 4.1 1.2 1.8#  
 43 10.5 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.979 ng

RT: 16.64 min Scan# 2475

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

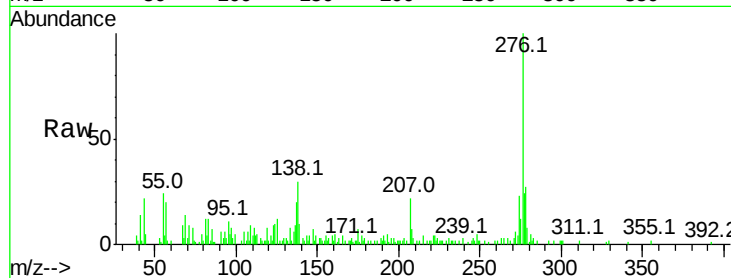
Tot Ion:276 Resp: 45437

Ion Ratio Lower Upper

276 100

138 37.3 25.0 37.6

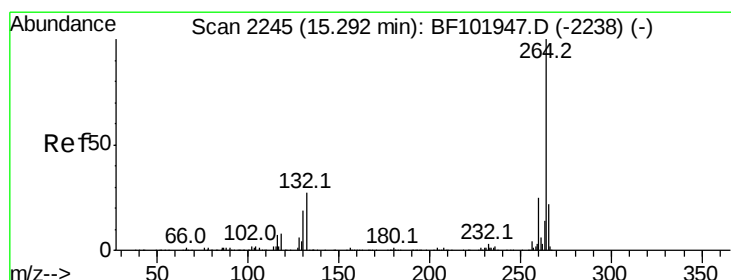
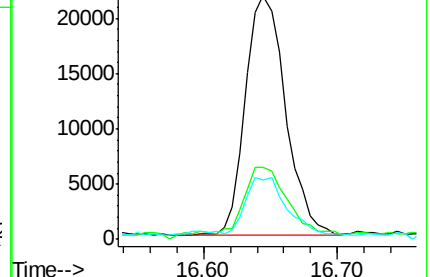
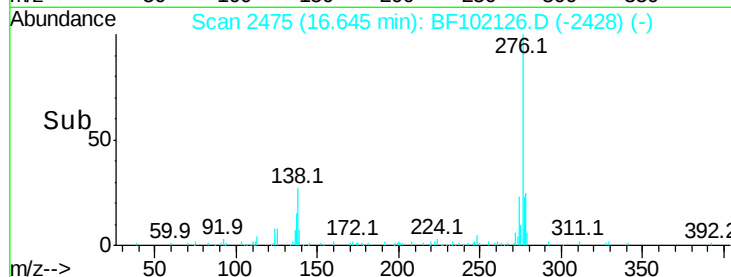
277 25.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

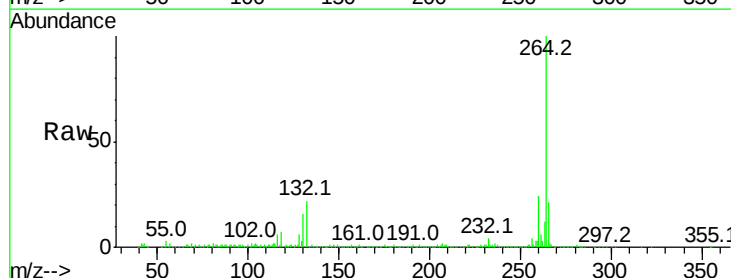
Tgt Ion:264 Resp: 255986

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

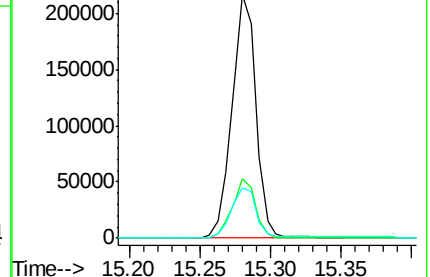
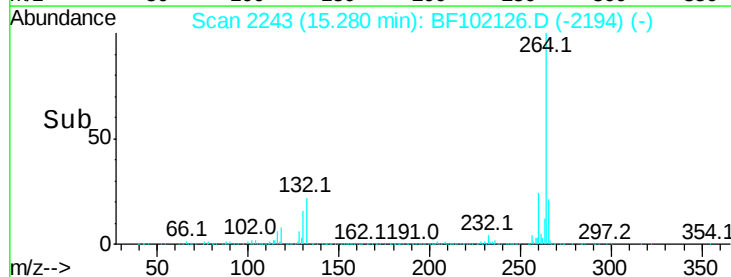
265 20.9 17.5 26.3

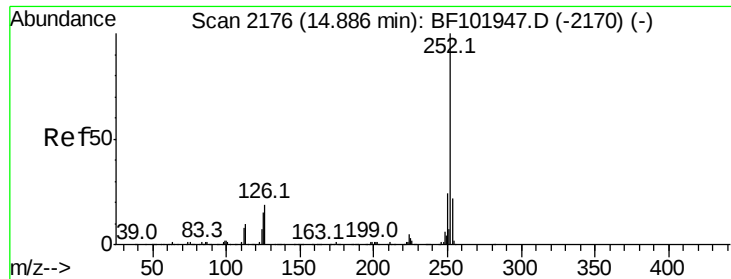


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.716 ng

RT: 14.90 min Scan# 2179

Delta R.T. 0.02 min

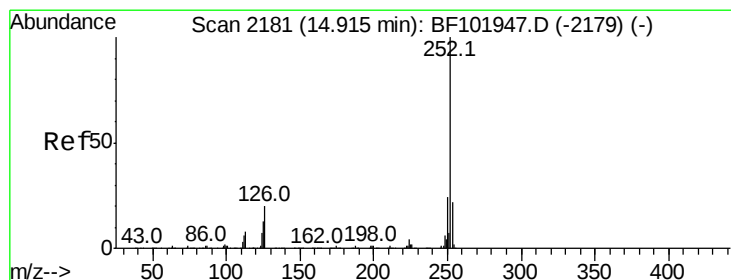
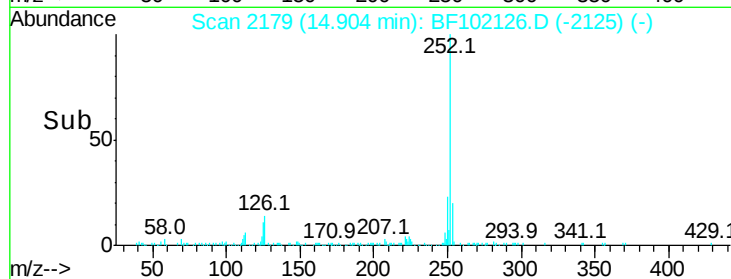
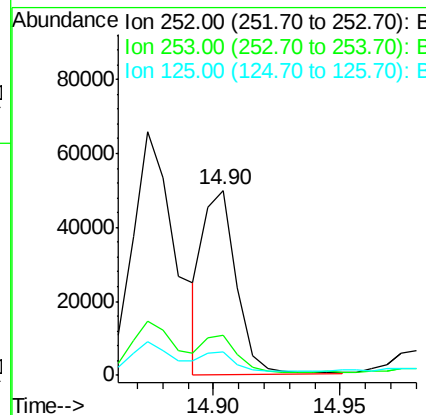
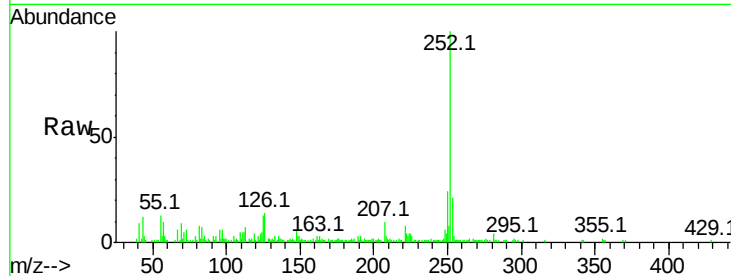
Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 45330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.4  | 17.0  | 25.6  |
| 125 | 12.7  | 9.0   | 13.6  |



#88

Benzo(k)fluoranthene

Concen: 2.815 ng

RT: 14.90 min Scan# 2179

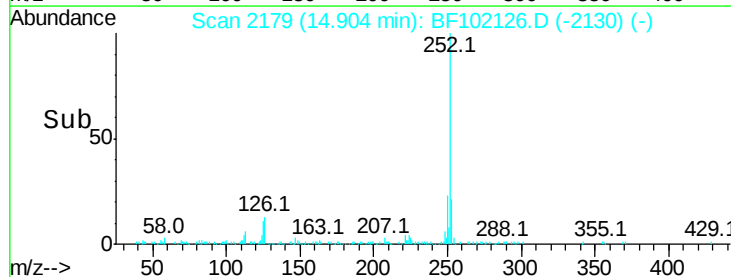
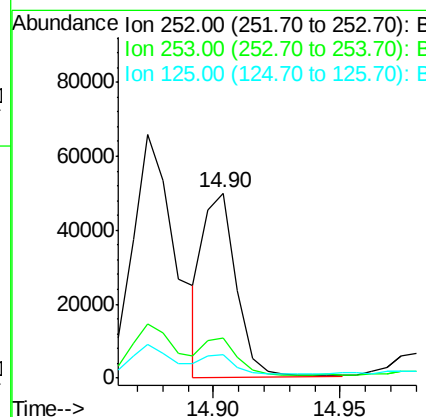
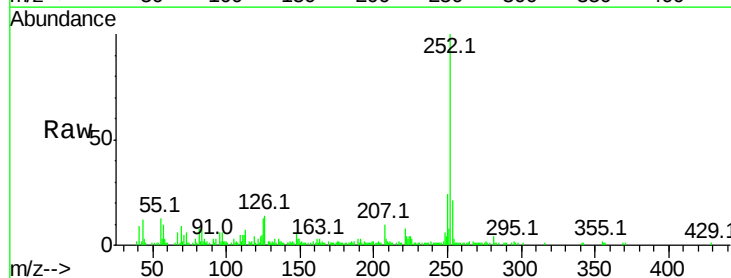
Delta R.T. -0.01 min

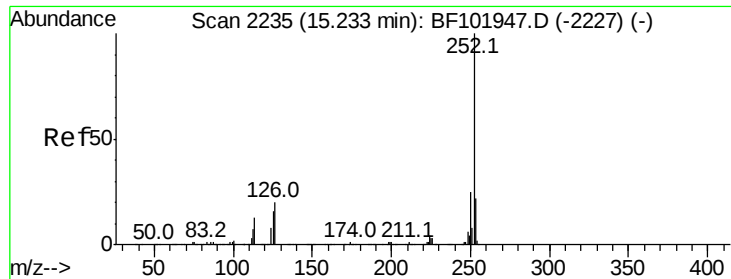
Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:252 Resp: 45330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.4  | 17.9  | 26.9  |
| 125 | 12.7  | 10.2  | 15.2  |

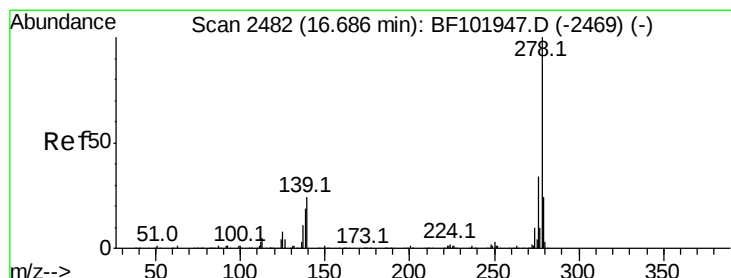
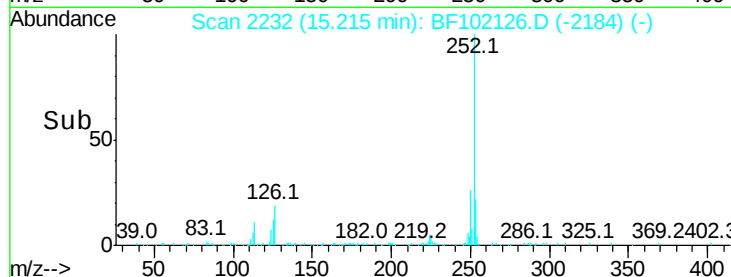
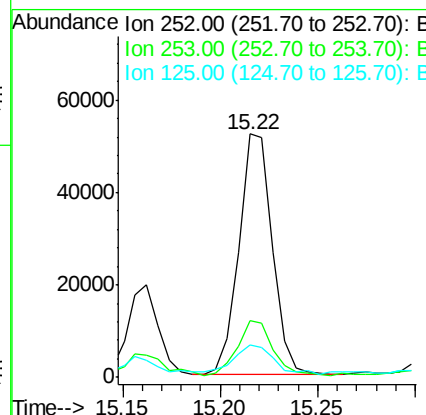
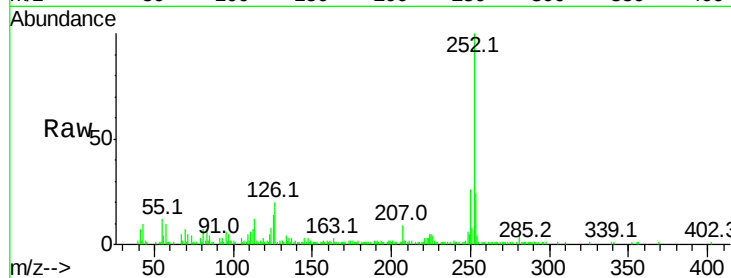




#89  
Benzo(a)pyrene  
Concen: 4.128 ng  
RT: 15.22 min Scan# 2232  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

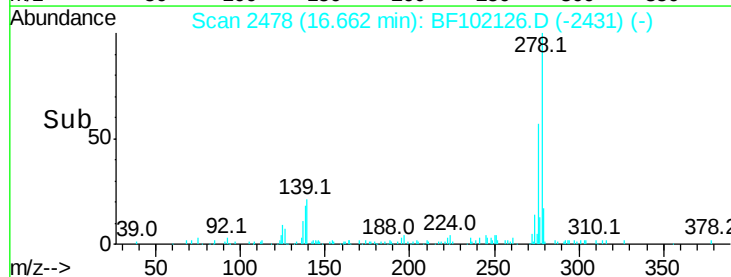
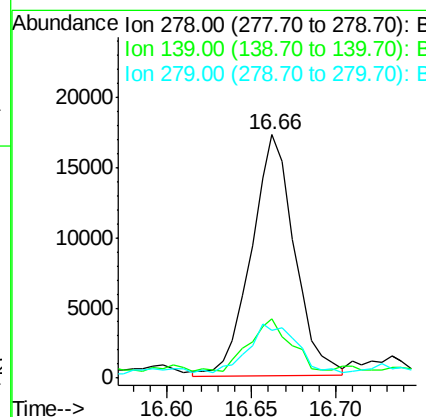
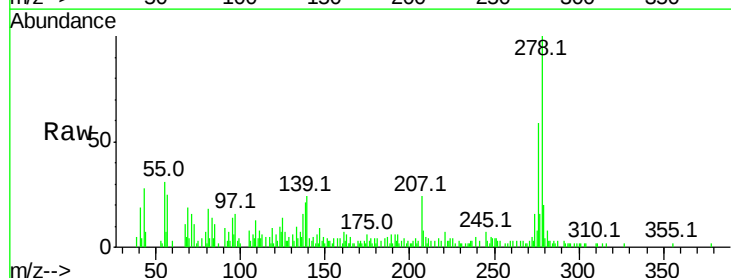
Instrument :  
BNA\_F  
ClientSampleId :

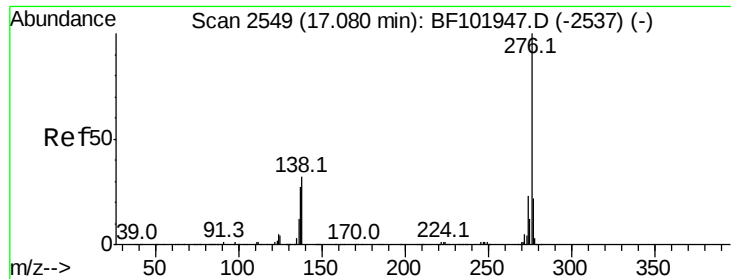
Tot Ion:252 Resp: 62006  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.1 25.7  
125 13.5 9.8 14.6



#90  
Dibenzo(a,h)anthracene  
Concen: 2.563 ng  
RT: 16.66 min Scan# 2478  
Delta R.T. -0.02 min  
Lab File: BF102126.D  
Acq: 16 Jan 2018 22:49

Tgt Ion:278 Resp: 30722  
Ion Ratio Lower Upper  
278 100  
139 24.4 15.9 23.9#  
279 19.6 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 3.327 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.03 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:276 Resp: 40167

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 35.0 21.8 32.8#

