

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\  
 Data File : BF103256.D  
 Acq On : 27 Feb 2018 12:08  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 27 16:50:42 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 02:43:46 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 161072   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 671140   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 300733   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 511399   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 341681   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.56 | 264  | 305255   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 839212  | 78.80 | ng | 0.00 |
| 7) Phenol-d6             | 6.51  | 99  | 988688  | 75.87 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 908631  | 77.32 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 192683  | 75.69 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1321335 | 73.21 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 1098727 | 77.30 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 224972  | 39.996 | ng | 91     |
| 3) Pyridine                    | 3.42 | 79  | 635149  | 42.296 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.38 | 42  | 246991  | 40.783 | ng | 100    |
| 6) Aniline                     | 6.54 | 93  | 720576  | 38.313 | ng | 96     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 430326  | 38.896 | ng | 97     |
| 9) Benzaldehyde                | 6.43 | 77  | 300732  | 37.197 | ng | 99     |
| 10) Phenol                     | 6.52 | 94  | 574315  | 37.963 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 455872  | 39.703 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 492420  | 38.948 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 486969  | 38.418 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 444715  | 38.049 | ng | 99     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 379816  | 38.678 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 761060  | 38.599 | ng | 96     |
| 17) 2-Methylphenol             | 7.13 | 107 | 392124  | 39.001 | ng | 98     |
| 18) Hexachloroethane           | 7.38 | 117 | 181280  | 39.285 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 300157  | 37.008 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 437117  | 35.666 | ng | # 77   |
| 22) Acetophenone               | 7.29 | 105 | 579648  | 37.001 | ng | # 89   |
| 24) Nitrobenzene               | 7.46 | 77  | 499430  | 38.599 | ng | 99     |
| 25) Isophorone                 | 7.70 | 82  | 883295  | 38.162 | ng | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 253516  | 41.620 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 351537  | 37.757 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 530008  | 38.947 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 347279  | 38.959 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 362128  | 38.149 | ng | 98     |
| 31) Naphthalene                | 8.18 | 128 | 1237729 | 37.669 | ng | 99     |
| 32) Benzoic acid               | 7.95 | 122 | 221835  | 34.403 | ng | 97     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 555436  | 39.174 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 188698  | 38.174 | ng | 99     |
| 35) Caprolactam                | 8.62 | 113 | 126374  | 40.338 | ng | # 80   |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 387291  | 38.520 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 808650  | 38.081 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 319863  | 38.906 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 77921   | 32.785 | ng | 97     |

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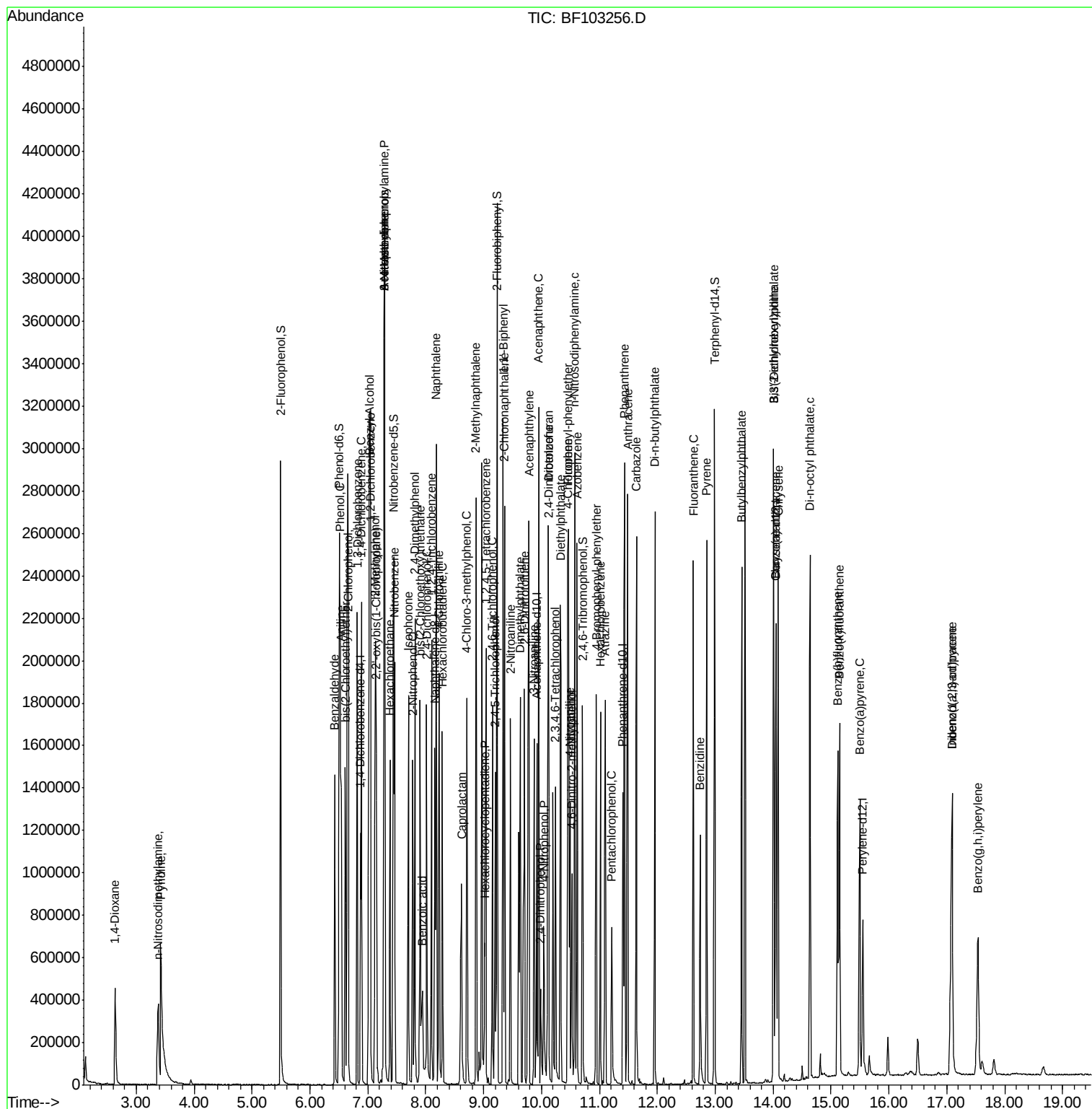
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 217350   | 39.290 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 241924   | 38.023 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 950106   | 37.703 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 763070   | 38.275 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 291158   | 39.426 | ng    | 92       |
| 48) Acenaphthylene             | 9.78  | 152  | 1154397  | 37.634 | ng    | 100      |
| 49) Dimethylphthalate          | 9.63  | 163  | 935470   | 38.775 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 198266   | 39.162 | ng    | 96       |
| 51) Acenaphthene               | 9.95  | 154  | 667587   | 37.323 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 254144   | 39.566 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.99  | 184  | 59926    | 38.449 | ng    | # 18     |
| 54) Dibenzofuran               | 10.12 | 168  | 948625   | 38.635 | ng    | 97       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 129030   | 32.412 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 255357   | 39.881 | ng    | 94       |
| 57) Fluorene                   | 10.47 | 166  | 750774   | 35.894 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 161411   | 37.764 | ng    | 97       |
| 59) Diethylphthalate           | 10.33 | 149  | 869973   | 37.704 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 333796   | 37.632 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 252029   | 39.283 | ng    | 93       |
| 62) Azobenzene                 | 10.62 | 77   | 882747   | 37.585 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 119278   | 39.329 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 676665   | 38.002 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.95 | 248  | 206776   | 38.815 | ng    | 94       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 224743   | 38.868 | ng    | 97       |
| 68) Atrazine                   | 11.10 | 200  | 199850   | 37.341 | ng    | 99       |
| 69) Pentachlorophenol          | 11.22 | 266  | 95699    | 34.230 | ng    | 99       |
| 70) Phenanthrene               | 11.43 | 178  | 1042335  | 37.036 | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 1077295  | 37.329 | ng    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 1079255  | 37.553 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1359569  | 37.806 | ng    | 99       |
| 74) Fluoranthene               | 12.62 | 202  | 1047932  | 37.054 | ng    | 98       |
| 76) Benzidine                  | 12.74 | 184  | 484081   | 37.896 | ng    | 100      |
| 77) Pyrene                     | 12.86 | 202  | 1075176  | 40.360 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.46 | 149  | 564511   | 40.108 | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 869727   | 39.231 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 300396   | 37.968 | ng    | 99       |
| 82) Chrysene                   | 14.09 | 228  | 829909   | 38.554 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 726397   | 38.245 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.64 | 149  | 1162950  | 37.897 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.09 | 276  | 684567   | 40.170 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 15.12 | 252  | 809849   | 40.351 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.15 | 252  | 689554   | 36.486 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.50 | 252  | 706265   | 39.406 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.09 | 278  | 575198   | 41.533 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.54 | 276  | 576320   | 42.579 | ng    | 98       |

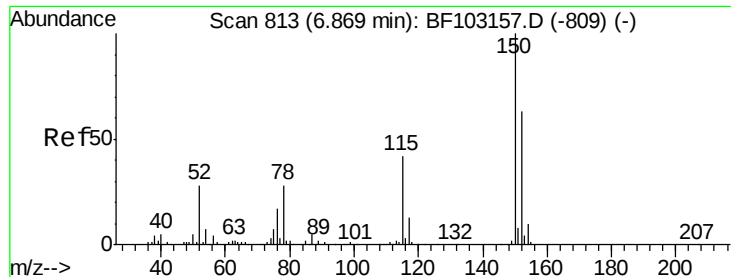
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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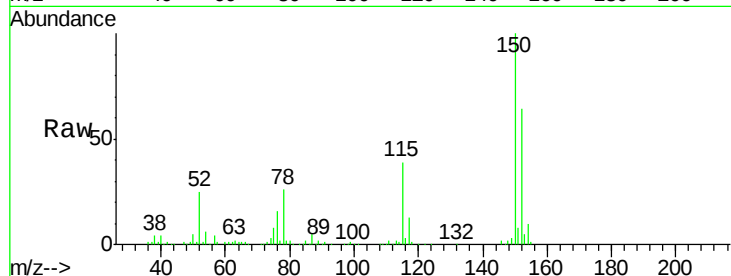


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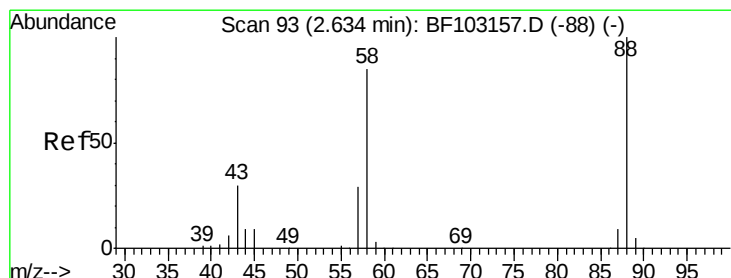
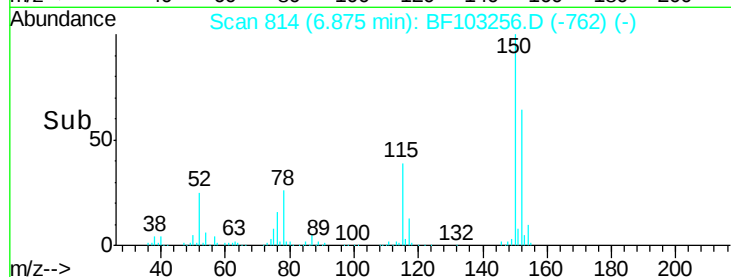
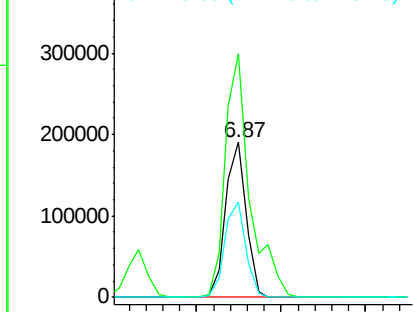
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 161072  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.6 186.8  
115 61.2 50.1 75.1



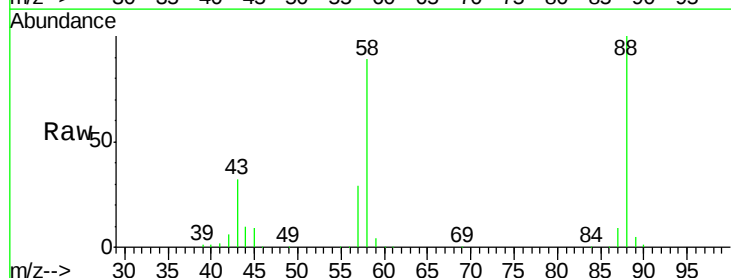
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



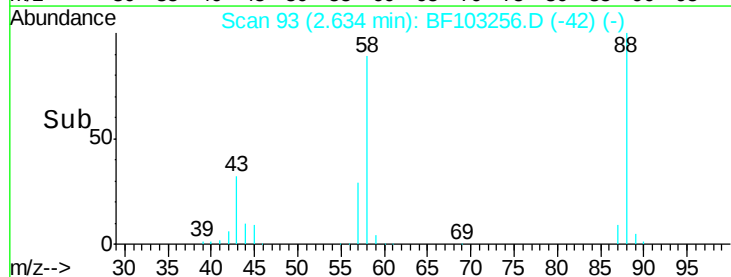
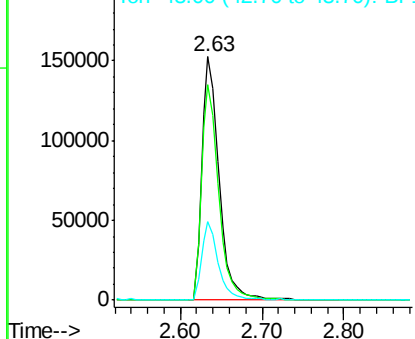
#2

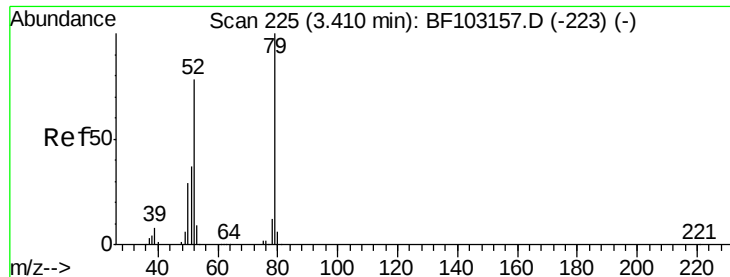
1,4-Dioxane  
Concen: 39.996 ng  
RT: 2.63 min Scan# 93  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion: 88 Resp: 224972  
Ion Ratio Lower Upper  
88 100  
58 88.5 62.6 93.8  
43 30.5 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 42.296 ng

RT: 3.42 min Scan# 227

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampled :

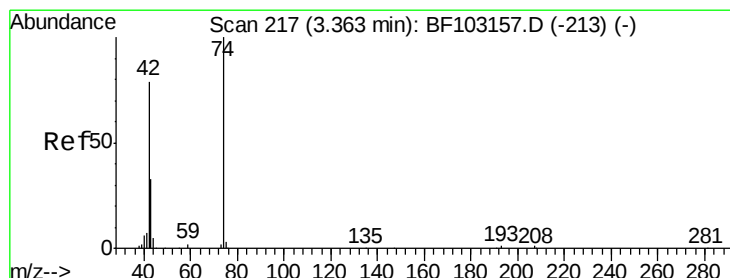
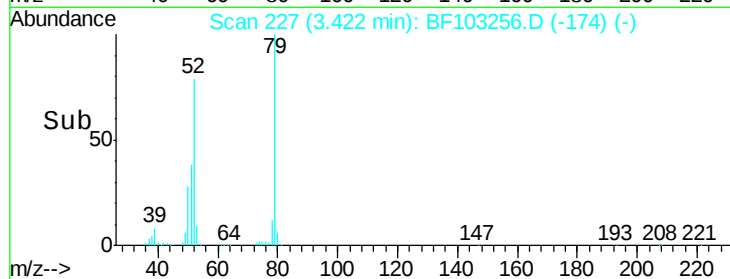
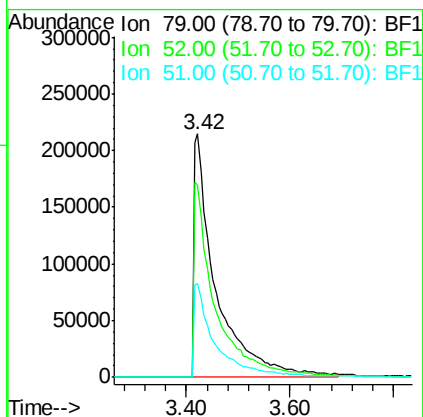
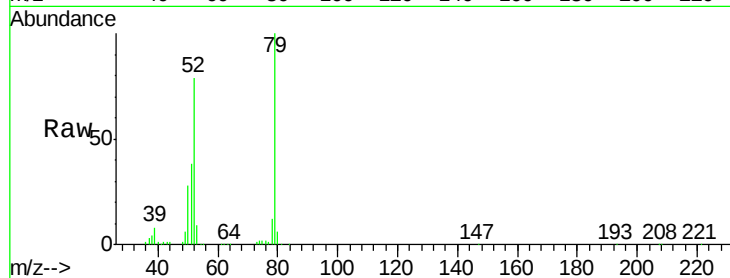
Tot Ion: 79 Resp: 635149

Ion Ratio Lower Upper

79 100

52 78.8 59.8 89.6

51 38.4 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 40.783 ng

RT: 3.38 min Scan# 219

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

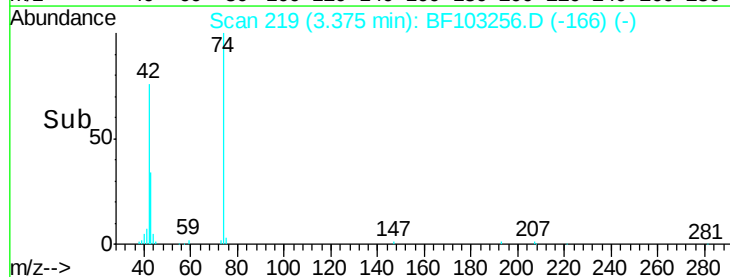
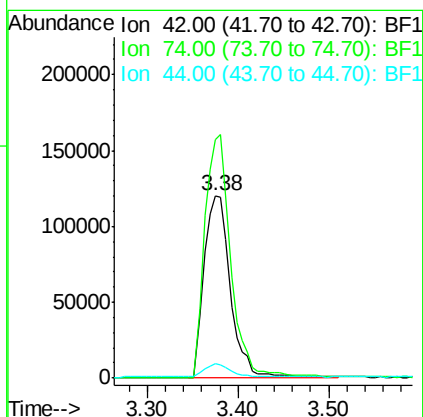
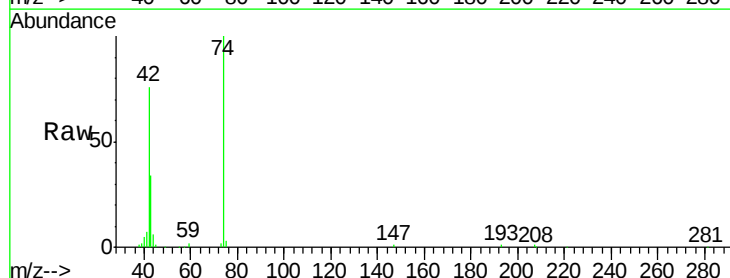
Tgt Ion: 42 Resp: 246991

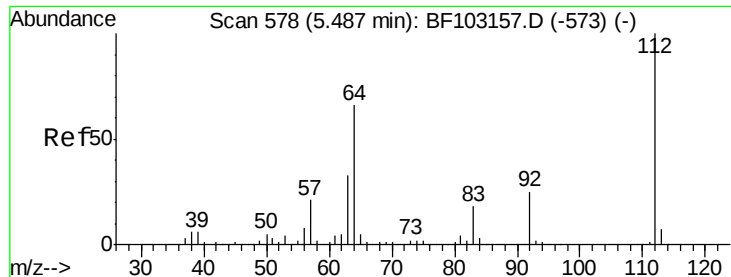
Ion Ratio Lower Upper

42 100

74 130.8 104.9 157.3

44 7.7 6.9 10.3





#5

2-Fluorophenol

Concen: 78.800 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

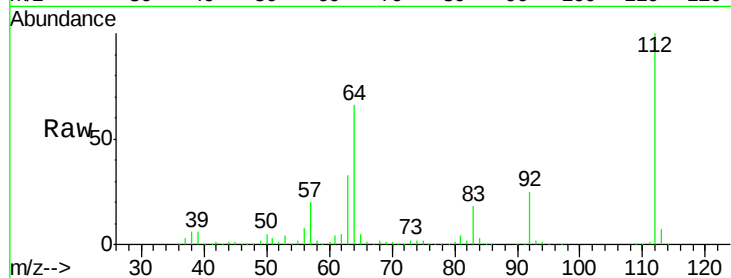
Tot Ion: 112 Resp: 839212

Ion Ratio Lower Upper

112 100

64 65.5 47.9 71.9

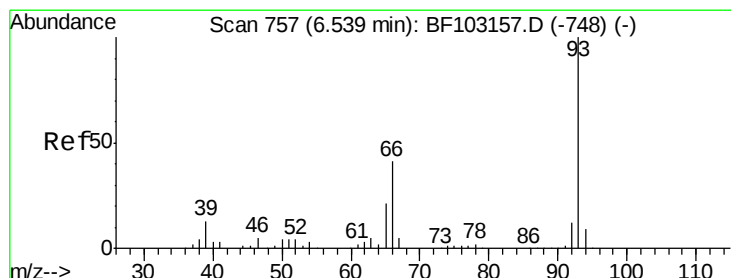
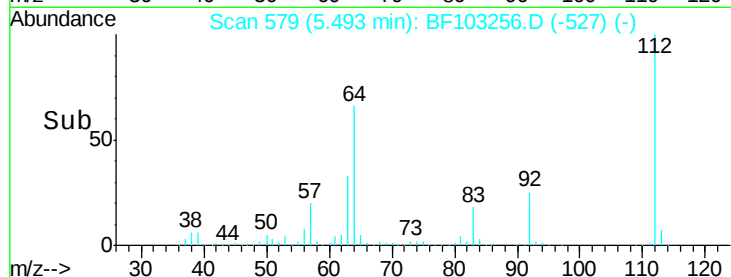
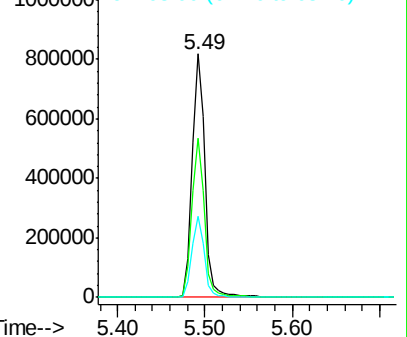
63 33.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 38.313 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

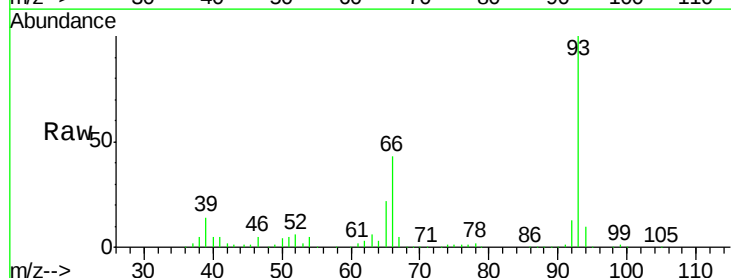
Tgt Ion: 93 Resp: 720576

Ion Ratio Lower Upper

93 100

66 43.1 32.2 48.2

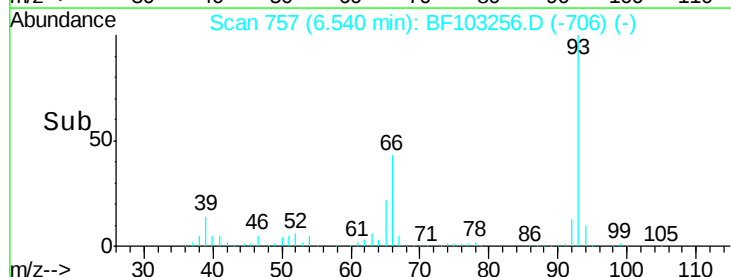
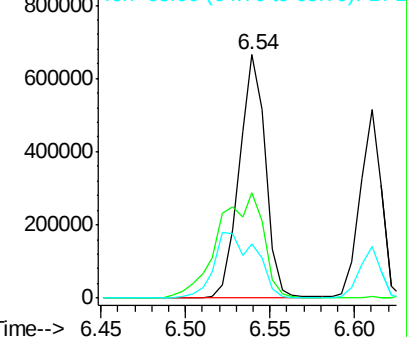
65 22.4 16.4 24.6

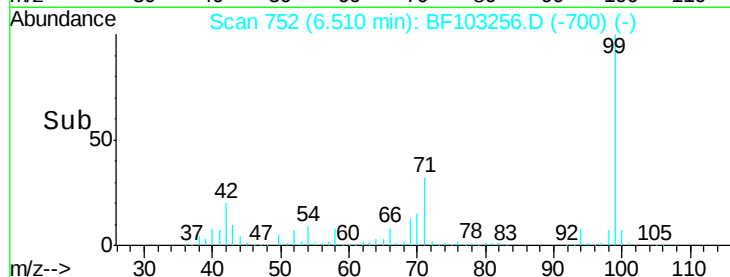
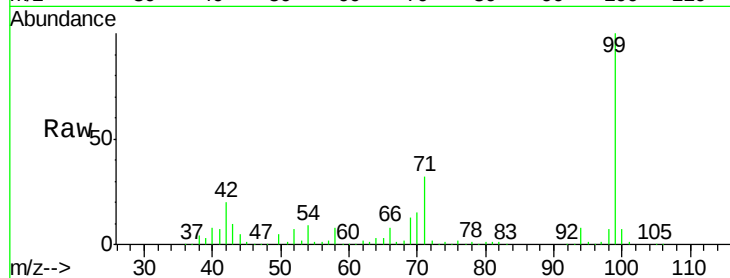
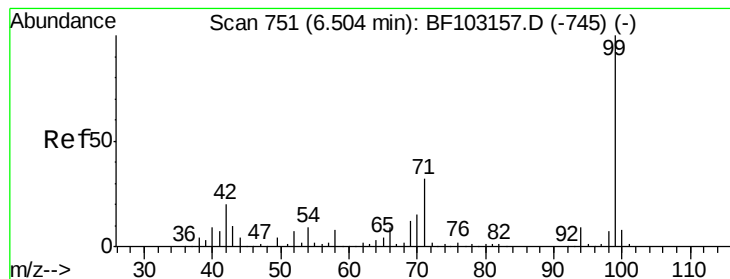


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 75.868 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

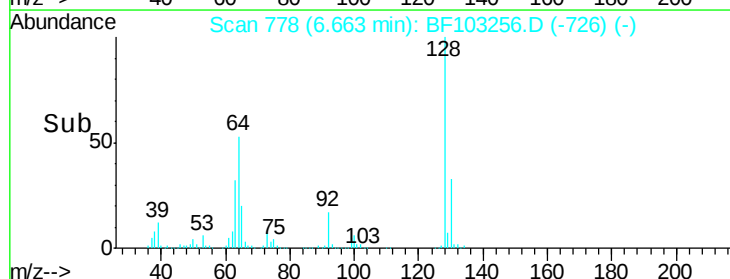
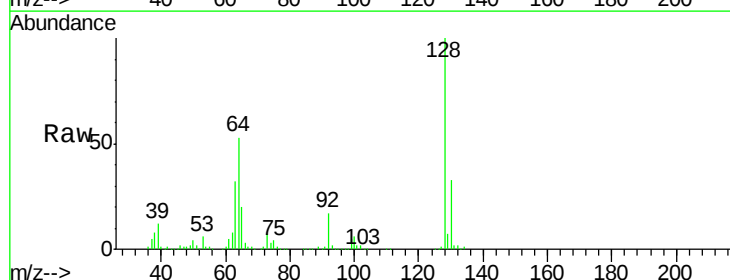
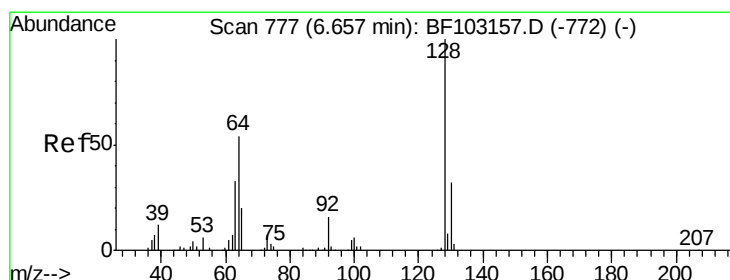
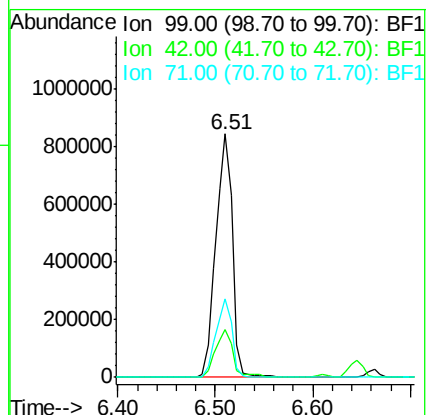
Tot Ion: 99 Resp: 988688

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 32.3 25.4 38.0



#8

2-Chlorophenol

Concen: 38.896 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

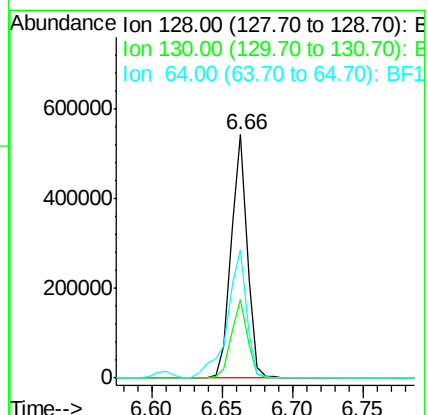
Tgt Ion: 128 Resp: 430326

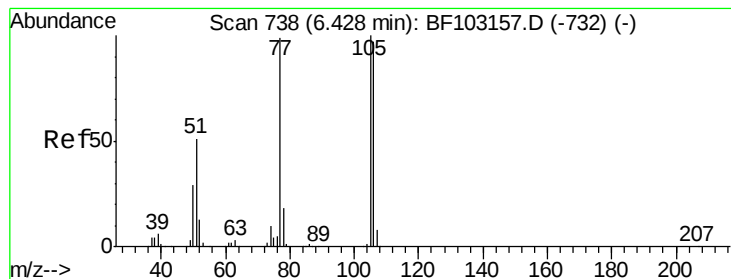
Ion Ratio Lower Upper

128 100

130 32.5 13.0 53.0

64 52.9 29.4 69.4





#9

Benzaldehyde

Concen: 37.197 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

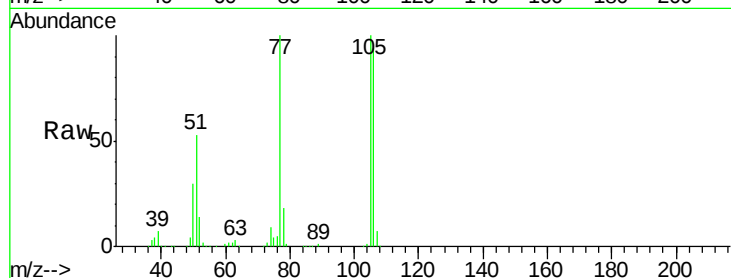
Tot Ion: 77 Resp: 300732

Ion Ratio Lower Upper

77 100

105 99.6 81.1 121.1

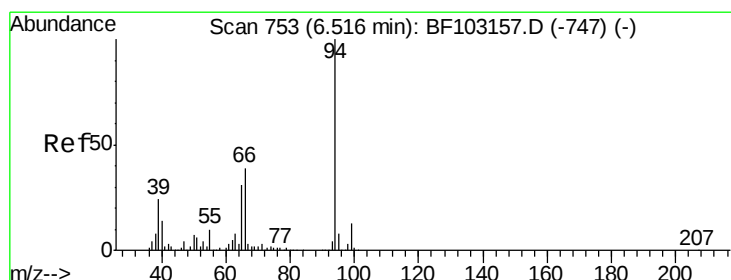
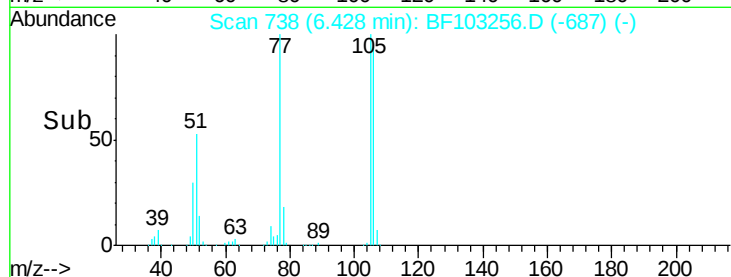
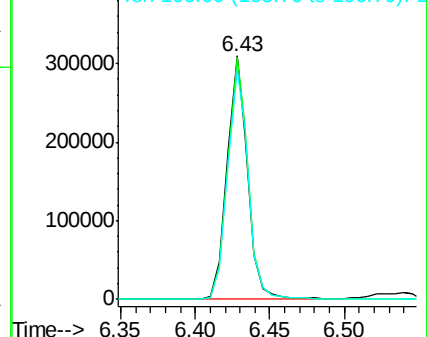
106 94.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.963 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

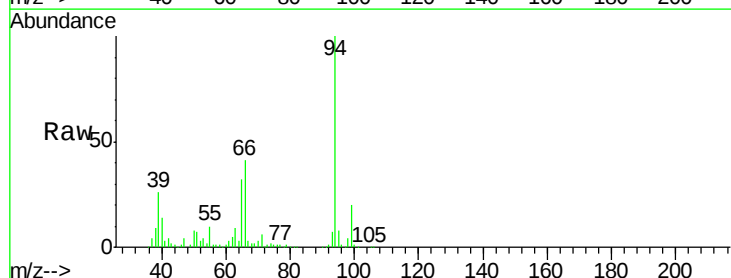
Tgt Ion: 94 Resp: 574315

Ion Ratio Lower Upper

94 100

65 31.7 7.9 47.9

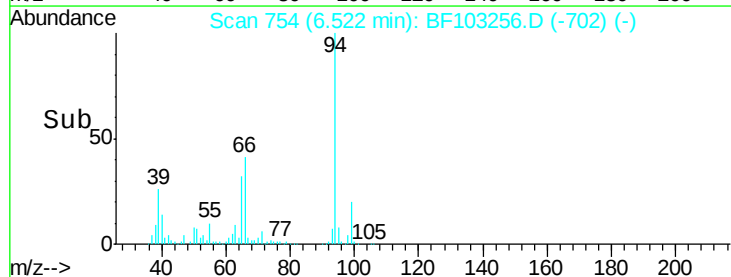
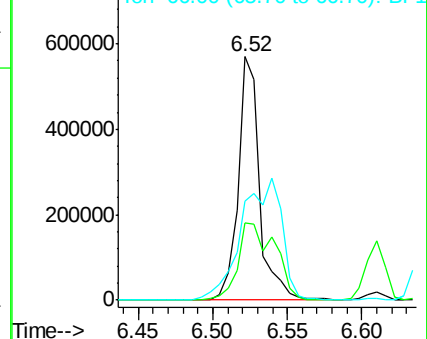
66 40.8 16.2 56.2

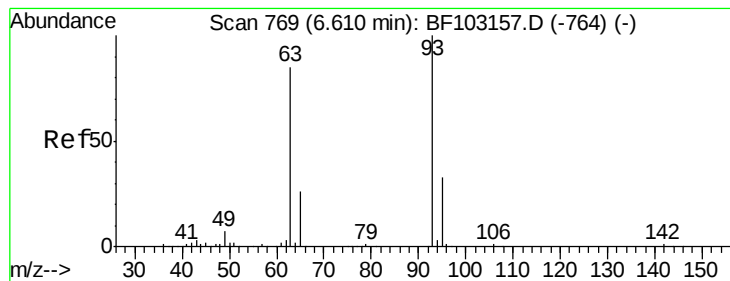


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

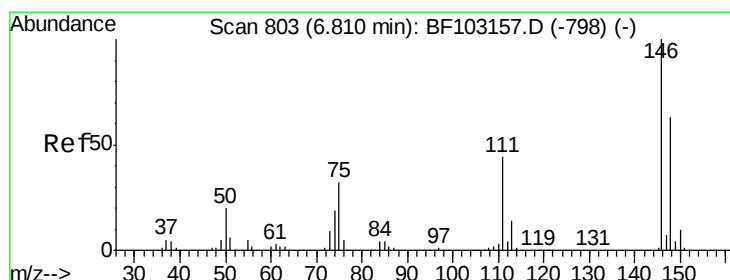
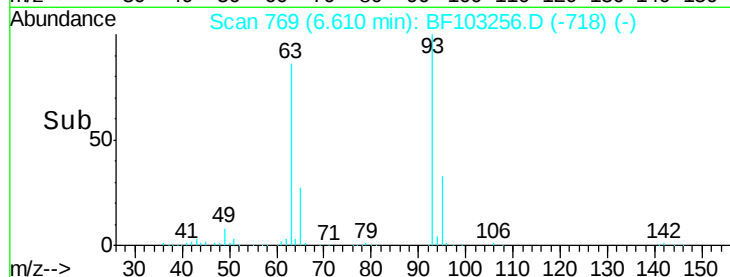
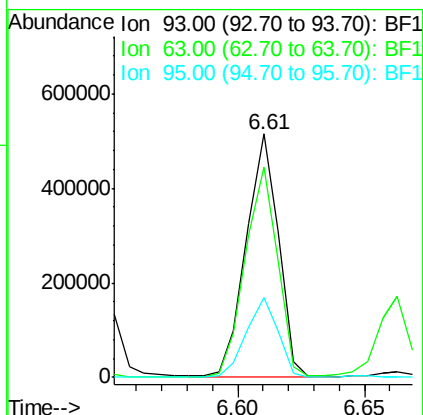
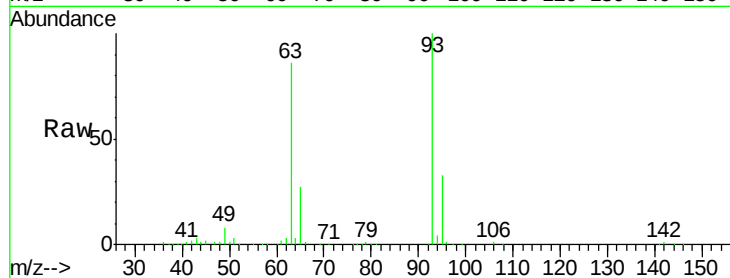




#11  
bis(2-Chloroethyl)ether  
Concen: 39.703 ng  
RT: 6.61 min Scan# 769  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

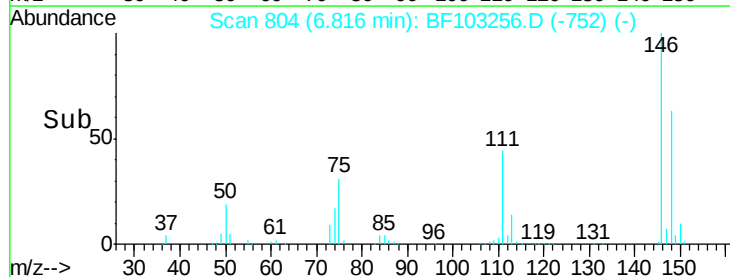
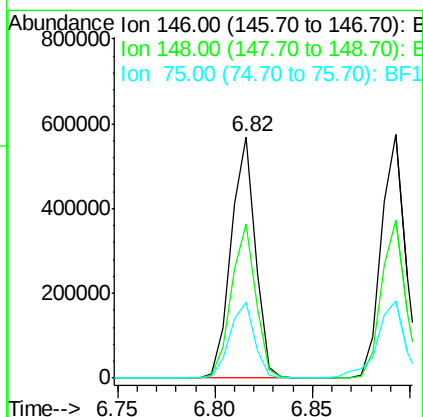
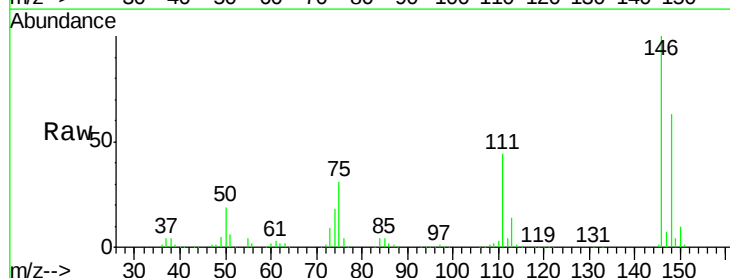
Instrument :  
BNA\_F  
ClientSampleId :

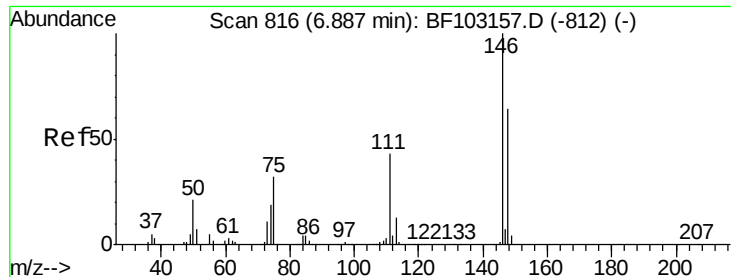
Tot Ion: 93 Resp: 455872  
Ion Ratio Lower Upper  
93 100  
63 86.4 58.6 98.6  
95 32.6 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 38.948 ng  
RT: 6.82 min Scan# 804  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion: 146 Resp: 492420  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.8 77.8  
75 31.5 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 38.418 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampled :

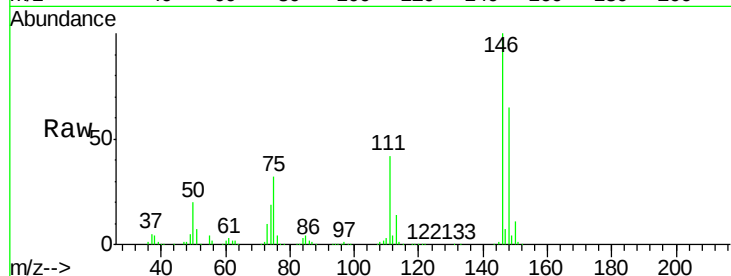
Tot Ion:146 Resp: 486969

Ion Ratio Lower Upper

146 100

148 64.9 50.8 76.2

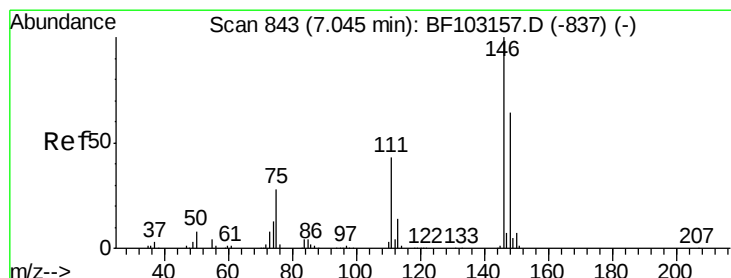
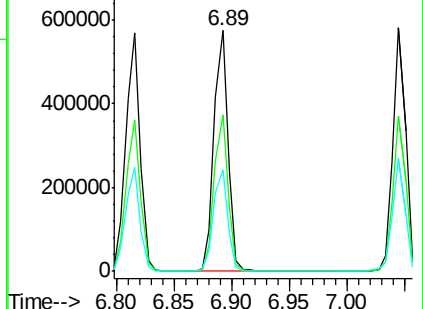
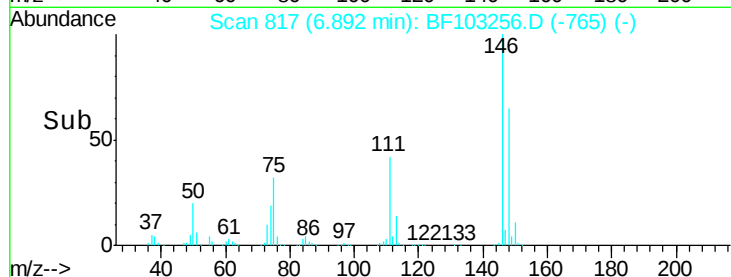
111 42.3 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.049 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

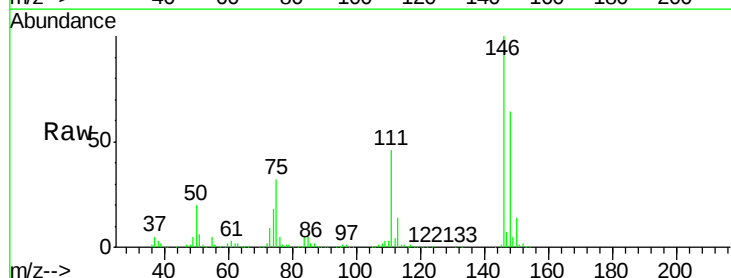
Tgt Ion:146 Resp: 444715

Ion Ratio Lower Upper

146 100

148 63.6 50.6 75.8

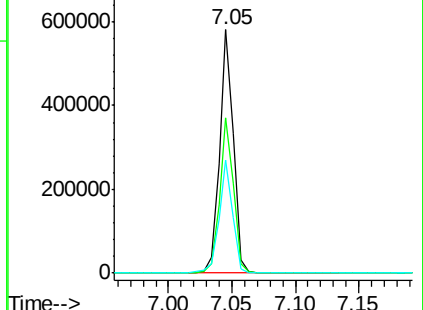
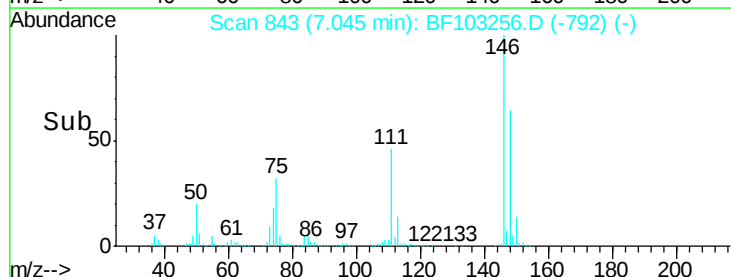
111 46.2 36.0 54.0

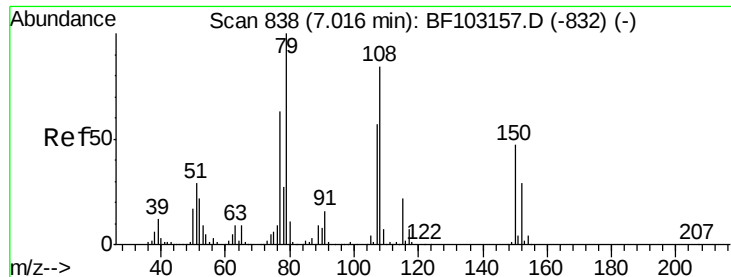


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.678 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

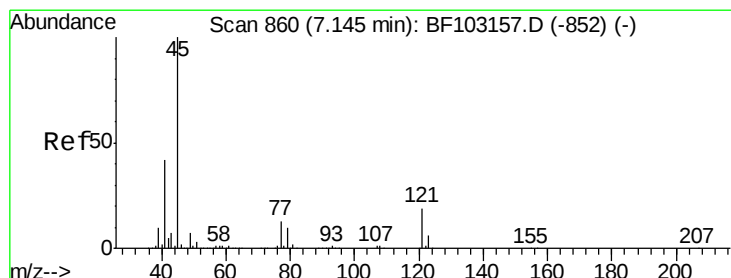
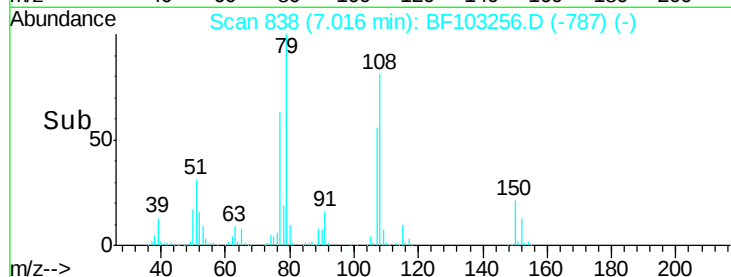
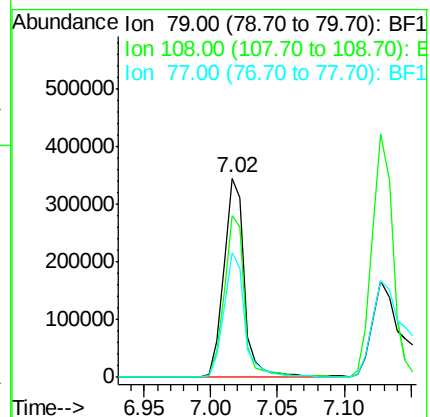
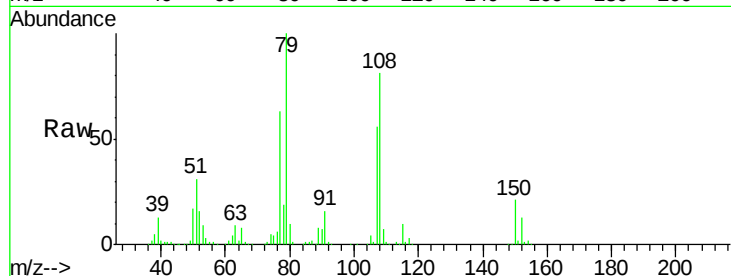
Tot Ion: 79 Resp: 379816

Ion Ratio Lower Upper

79 100

108 81.4 65.1 97.7

77 62.7 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.599 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

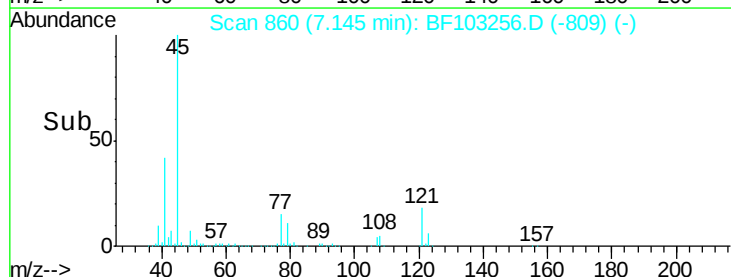
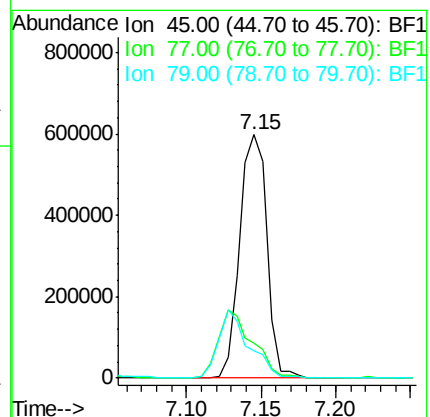
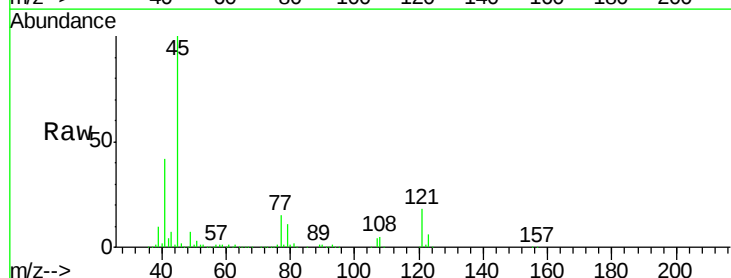
Tgt Ion: 45 Resp: 761060

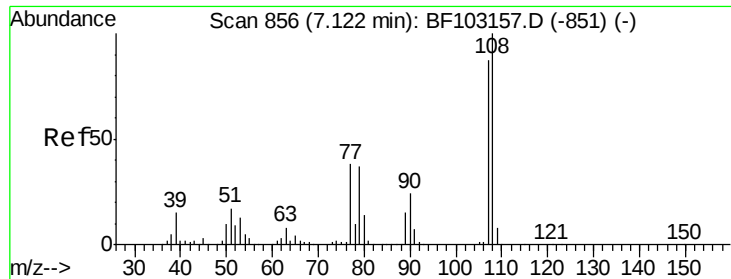
Ion Ratio Lower Upper

45 100

77 14.6 0.0 32.9

79 11.3 0.0 29.6

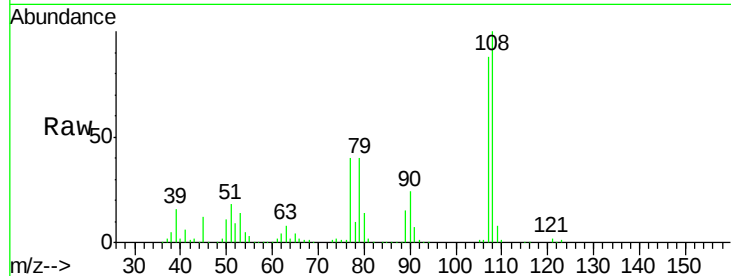




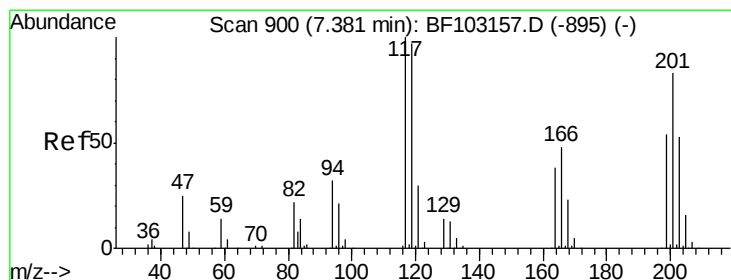
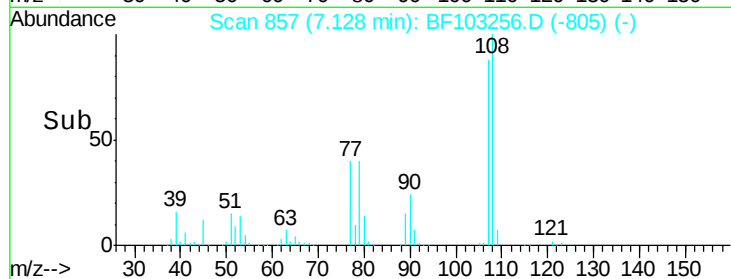
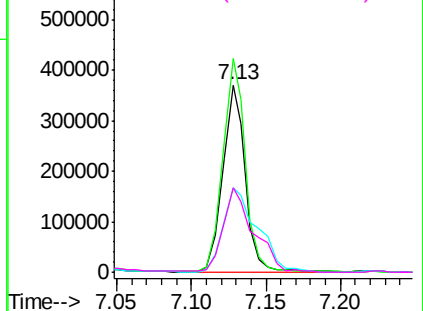
#17  
2-Methylphenol  
Concen: 39.001 ng  
RT: 7.13 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 392124  
Ion Ratio Lower Upper  
107 100  
108 113.9 91.7 137.5  
77 45.4 33.8 50.8  
79 45.2 33.8 50.8

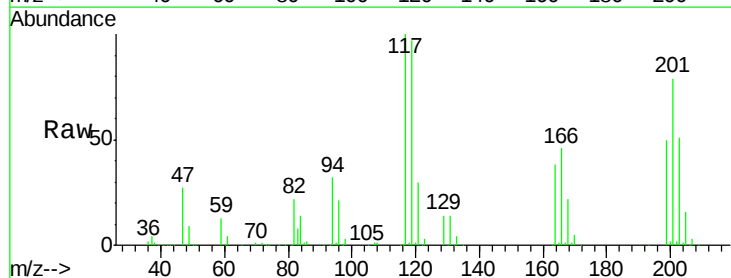


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

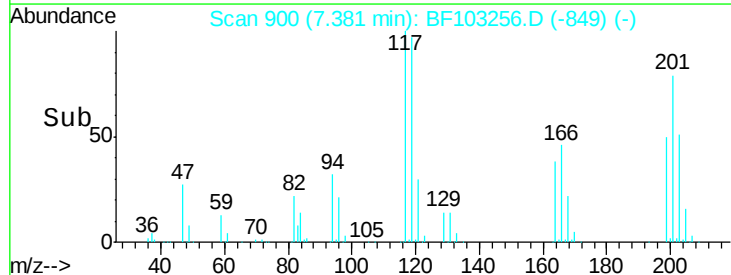
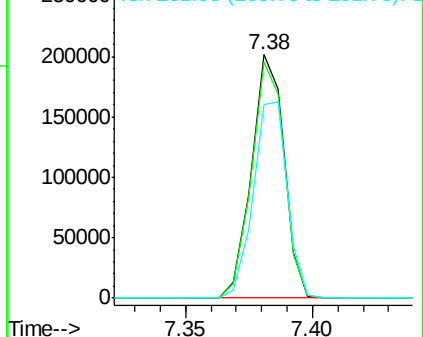


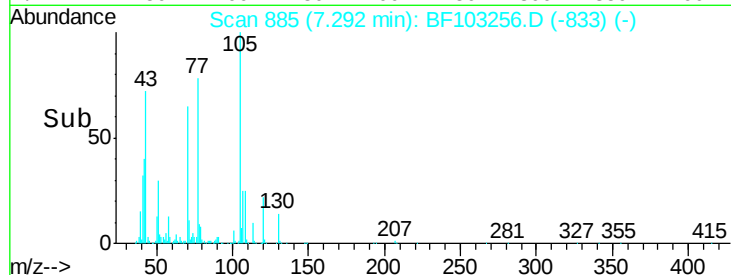
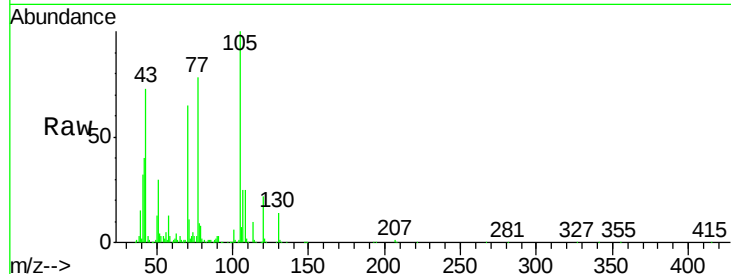
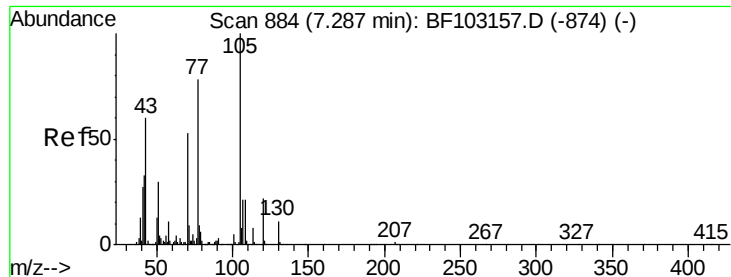
#18  
Hexachloroethane  
Concen: 39.285 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:117 Resp: 181280  
Ion Ratio Lower Upper  
117 100  
119 96.8 75.8 113.8  
201 79.3 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

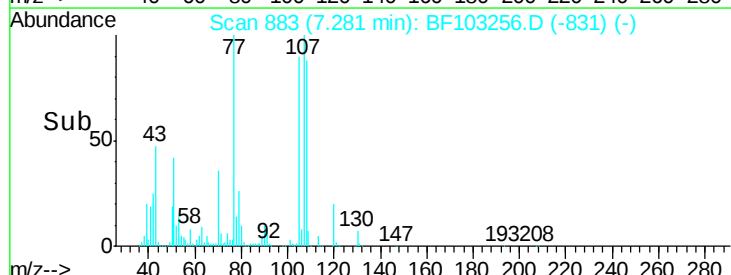
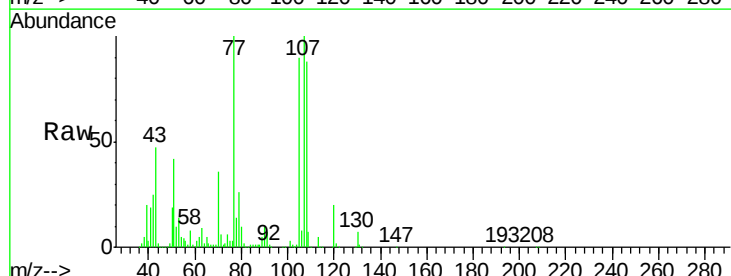
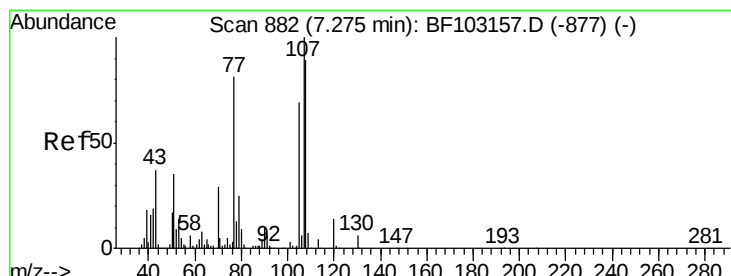
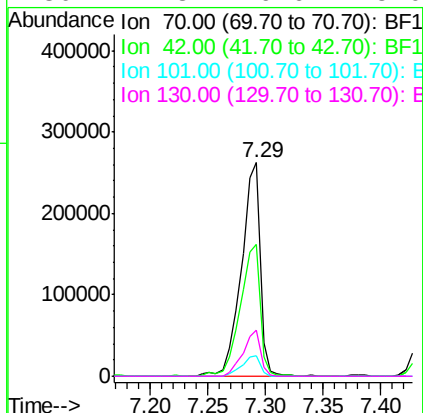




#19  
n-Nitroso-di-n-propylamine  
Concen: 37.008 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

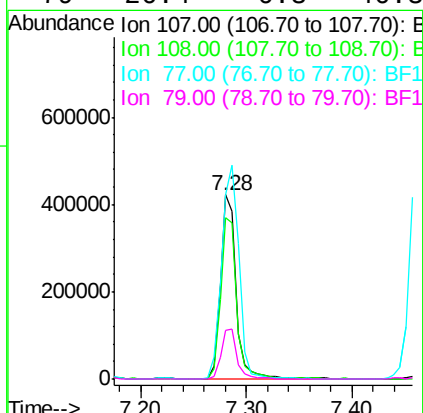
Instrument :  
BNA\_F  
ClientSampleId :

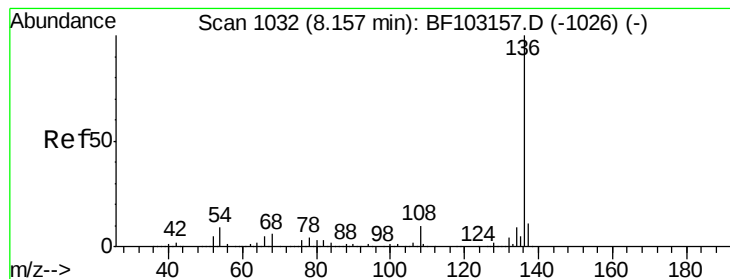
| Tot Ion | 70    | Resp  | 300157 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 70      | 100   |       |        |
| 42      | 61.6  | 47.5  | 71.3   |
| 101     | 9.8   | 7.4   | 11.2   |
| 130     | 21.3  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 35.666 ng  
RT: 7.28 min Scan# 883  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

| Tgt Ion | 107   | Resp  | 437117 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 107     | 100   |       |        |
| 108     | 87.8  | 68.2  | 108.2  |
| 77      | 100.1 | 26.7  | 66.7#  |
| 79      | 26.4  | 6.3   | 46.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 671140

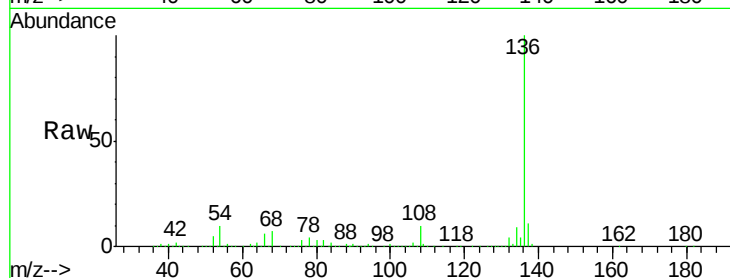
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.8 6.6 9.8

68 6.7 5.0 7.4

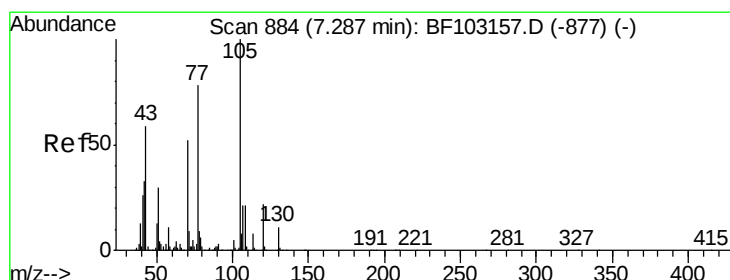
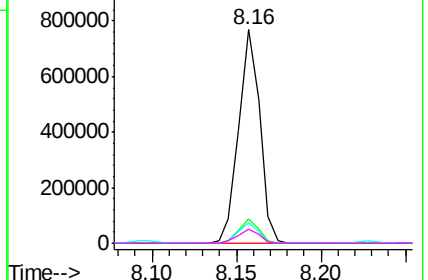
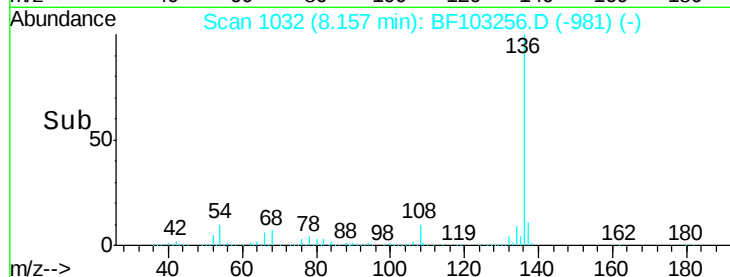


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 37.001 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Tgt Ion:105 Resp: 579648

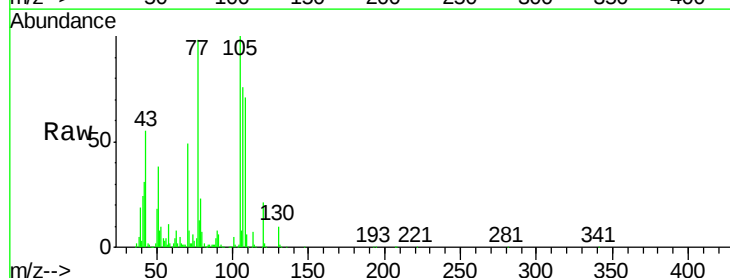
Ion Ratio Lower Upper

105 100

71 7.9 4.4 6.6#

51 38.4 22.3 33.5#

120 21.2 16.9 25.3

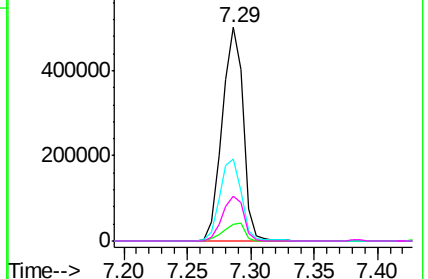
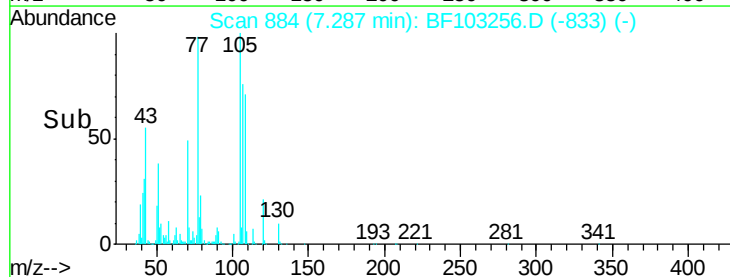


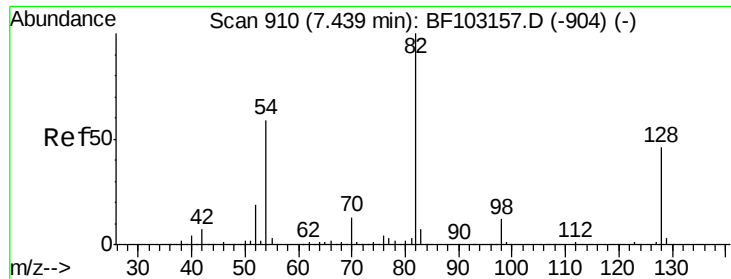
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

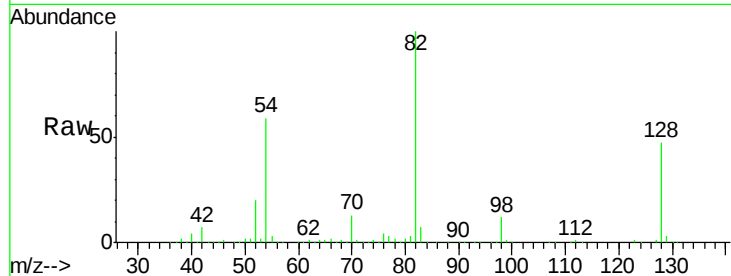




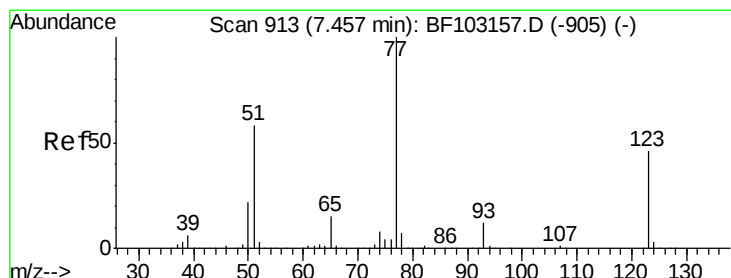
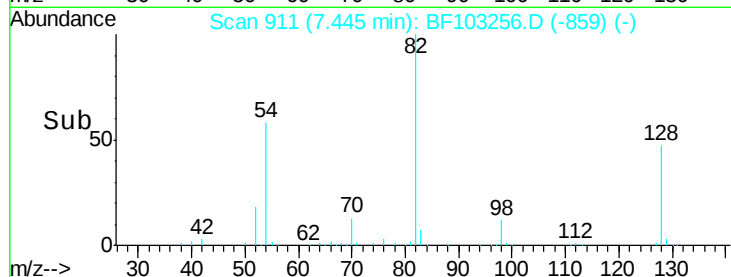
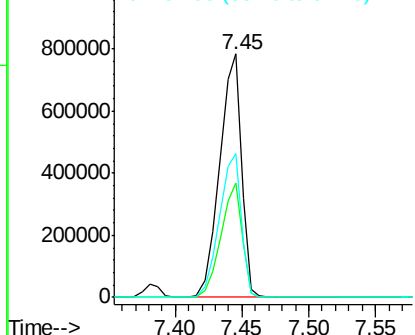
#23  
Nitrobenzene-d5  
Concen: 77.317 ng  
RT: 7.45 min Scan# 911  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 908631  
Ion Ratio Lower Upper  
82 100  
128 46.8 36.1 54.1  
54 58.9 41.4 62.2

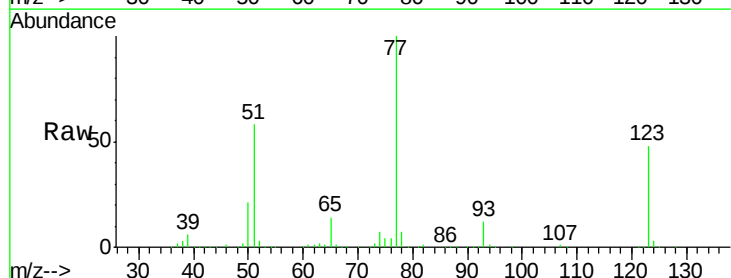


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

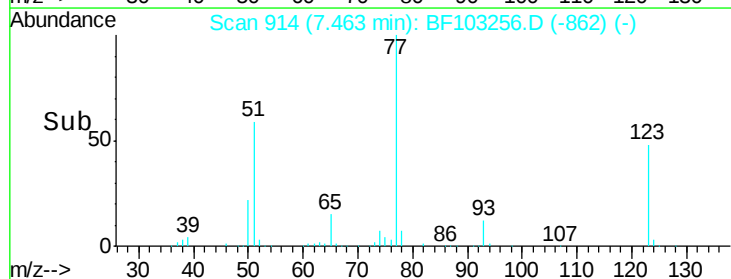
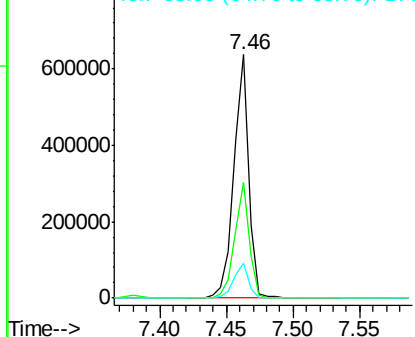


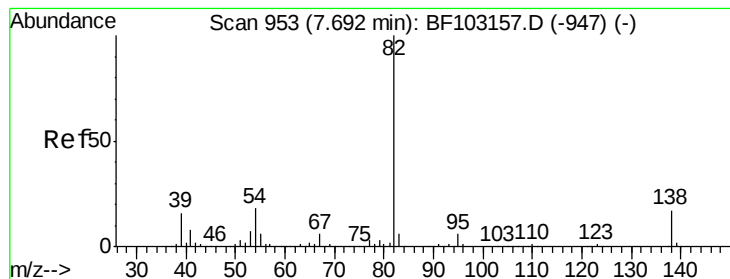
#24  
Nitrobenzene  
Concen: 38.599 ng  
RT: 7.46 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion: 77 Resp: 499430  
Ion Ratio Lower Upper  
77 100  
123 47.7 37.9 56.9  
65 14.2 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: 38.162 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

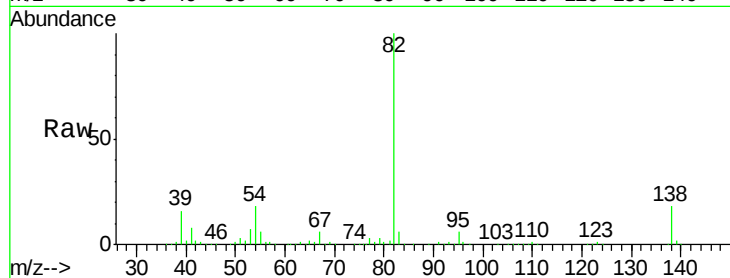
Tot Ion: 82 Resp: 883295

Ion Ratio Lower Upper

82 100

95 6.2 5.2 7.8

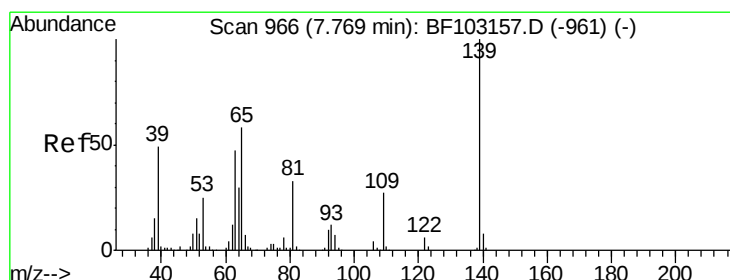
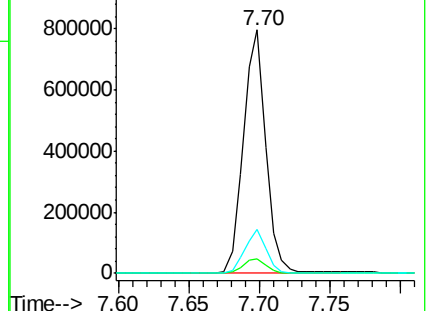
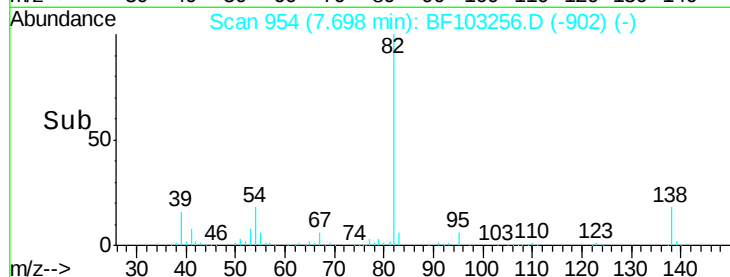
138 18.2 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 41.620 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

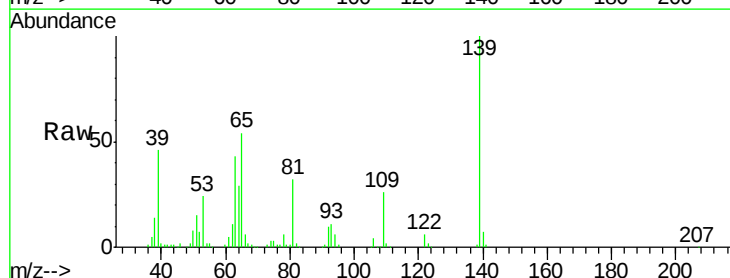
Tgt Ion: 139 Resp: 253516

Ion Ratio Lower Upper

139 100

109 25.9 22.7 34.1

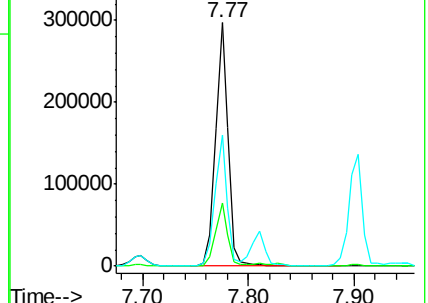
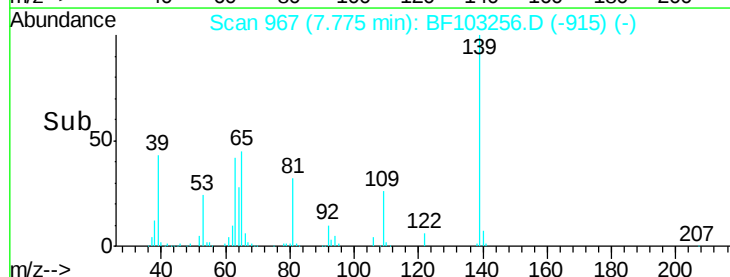
65 53.6 40.5 60.7

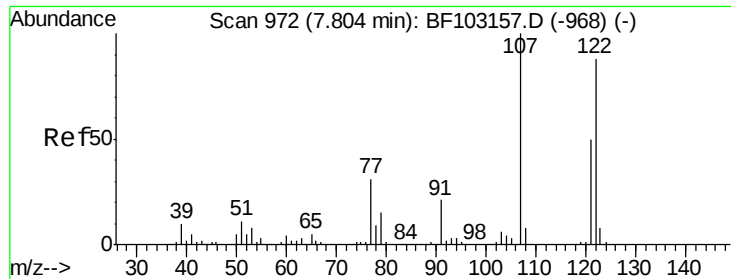


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 37.757 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

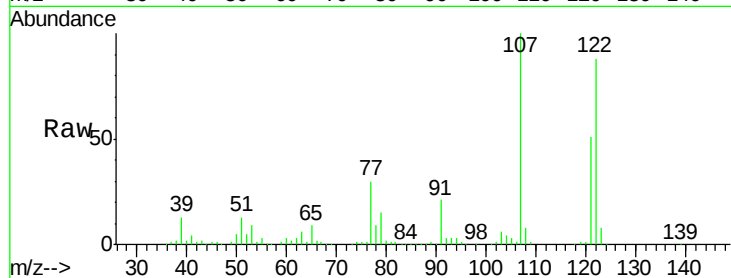
Tot Ion:122 Resp: 351537

Ion Ratio Lower Upper

122 100

107 113.1 91.2 136.8

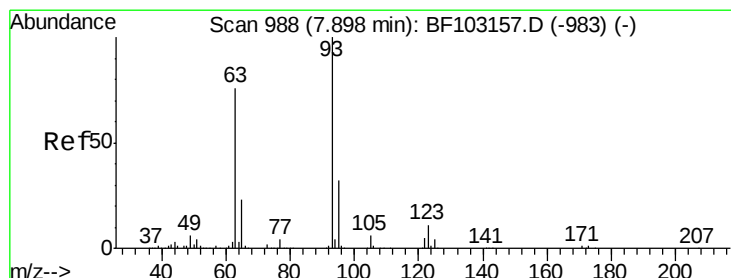
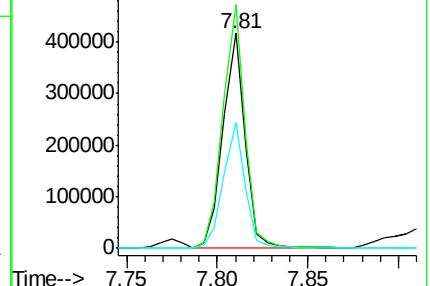
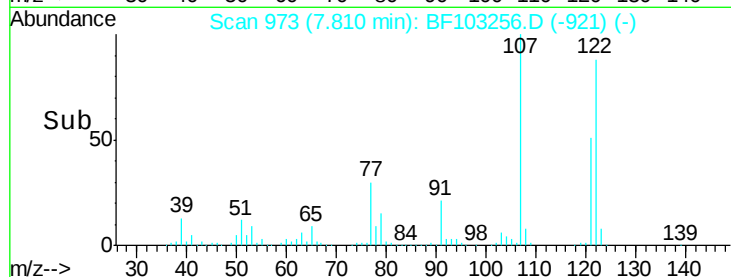
121 58.2 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.947 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

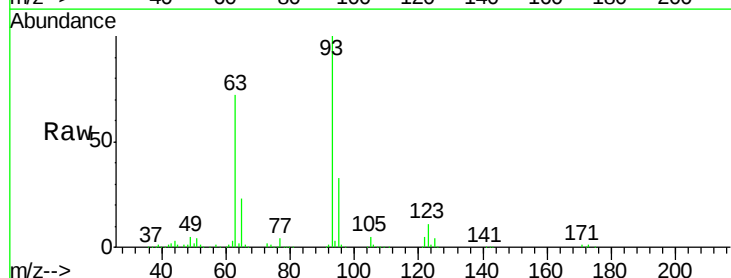
Tgt Ion: 93 Resp: 530008

Ion Ratio Lower Upper

93 100

95 32.7 26.3 39.5

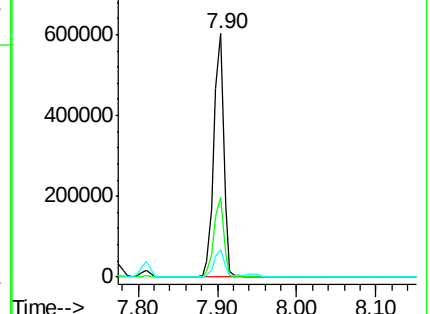
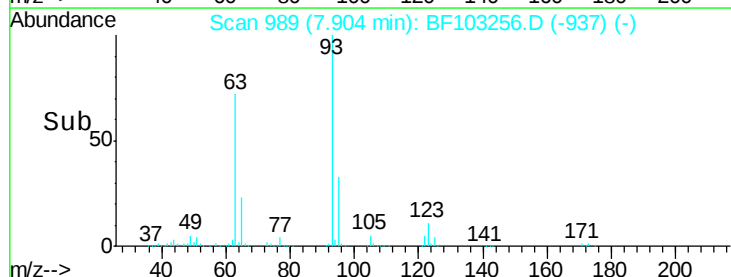
123 11.4 9.8 14.6

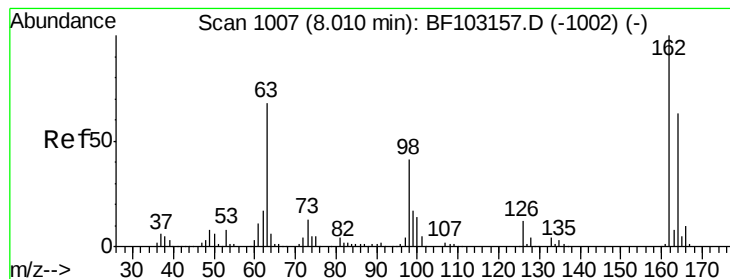


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.959 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

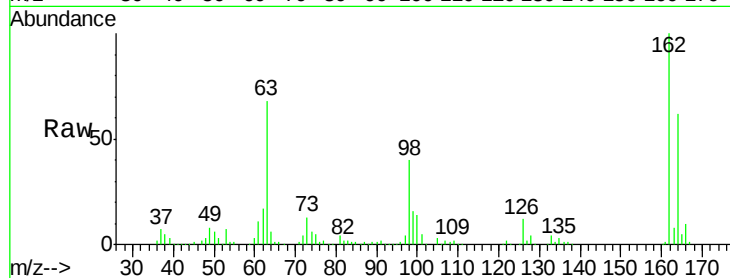
Tot Ion:162 Resp: 347279

Ion Ratio Lower Upper

162 100

164 62.3 42.7 82.7

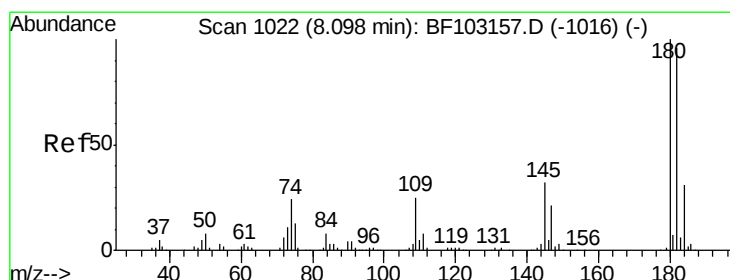
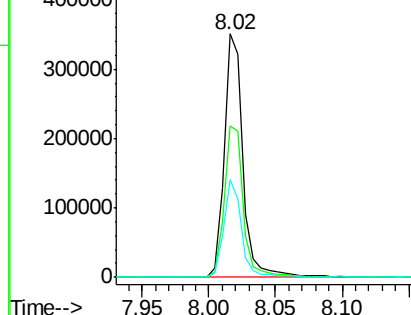
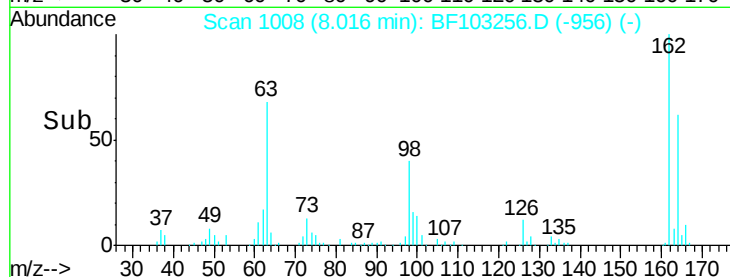
98 39.9 18.1 58.1



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: 38.149 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

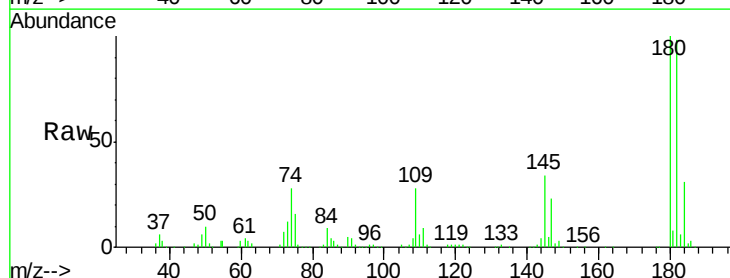
Tgt Ion:180 Resp: 362128

Ion Ratio Lower Upper

180 100

182 97.8 76.8 115.2

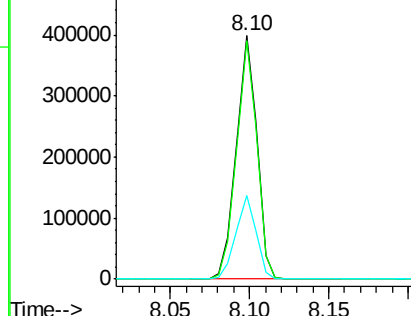
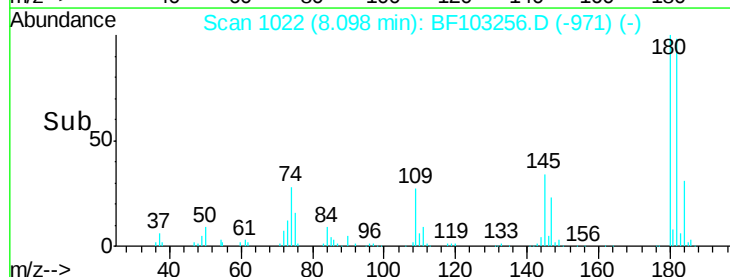
145 34.4 26.5 39.7

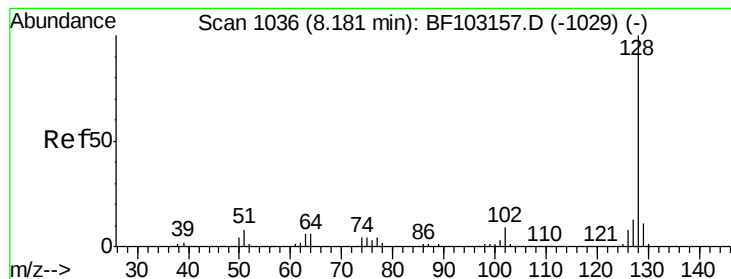


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.669 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

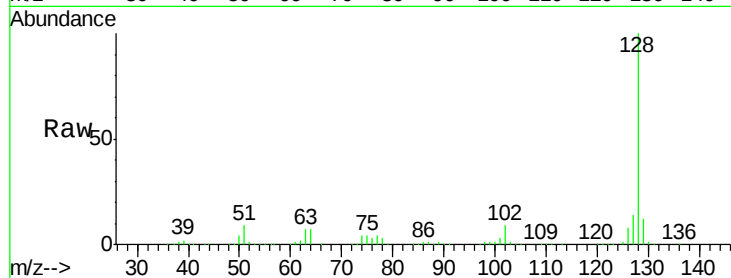
Tot Ion:128 Resp: 1237729

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

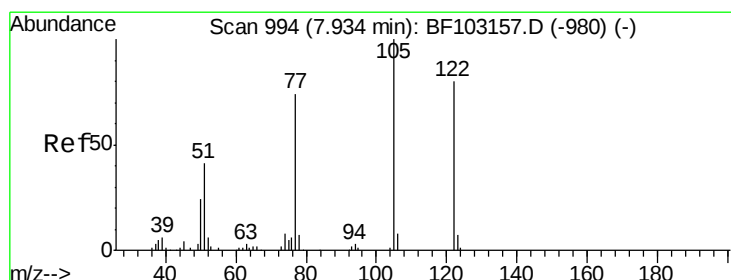
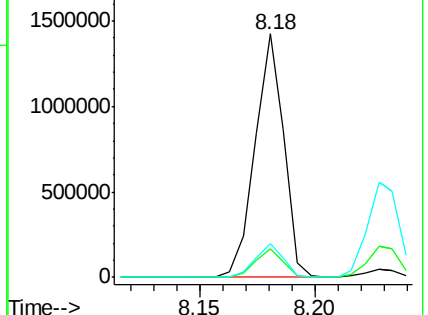
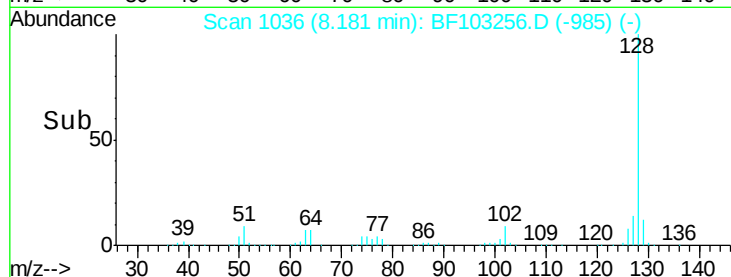
127 13.8 10.9 16.3



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



#32

Benzoic acid

Concen: 34.403 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

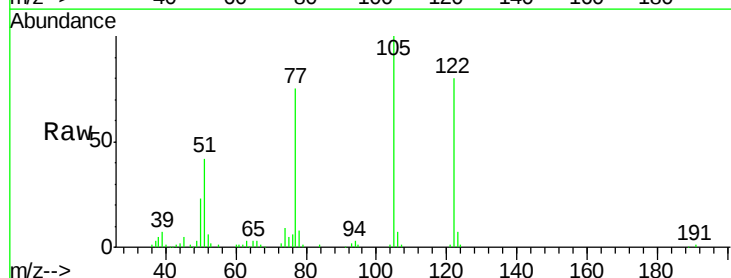
Tgt Ion:122 Resp: 221835

Ion Ratio Lower Upper

122 100

105 124.4 101.1 141.1

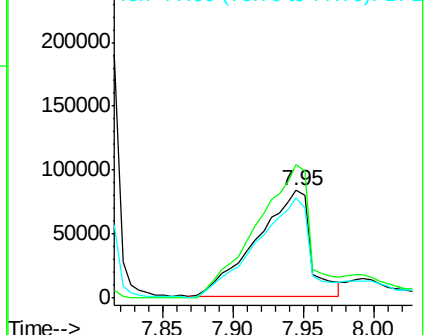
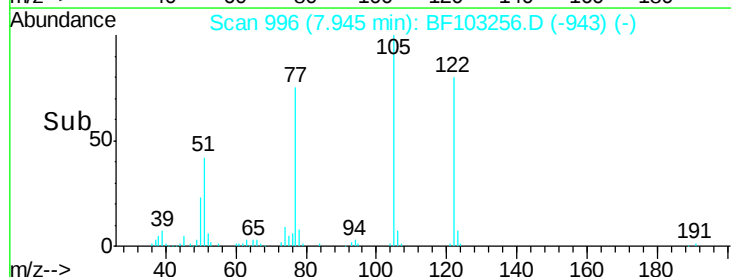
77 93.6 70.7 110.7

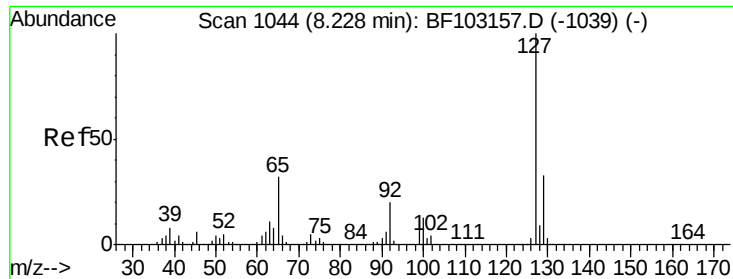


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

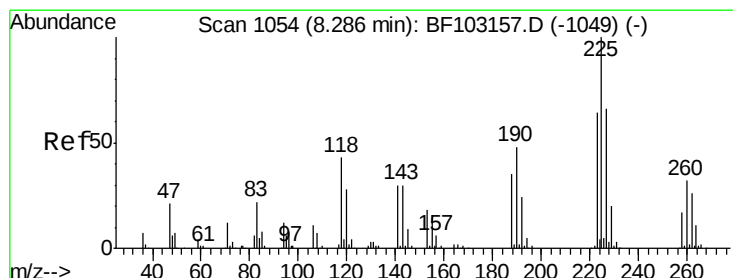
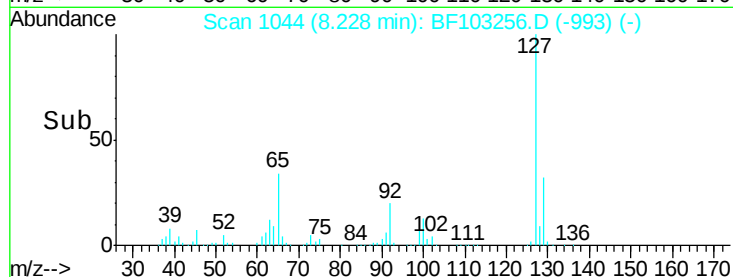
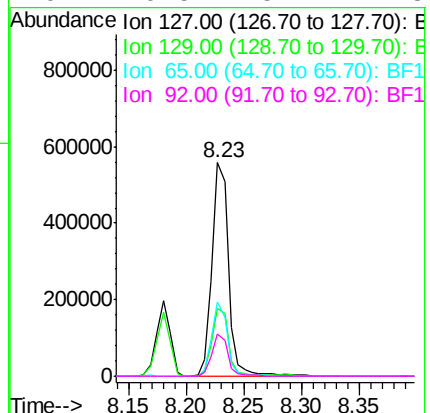
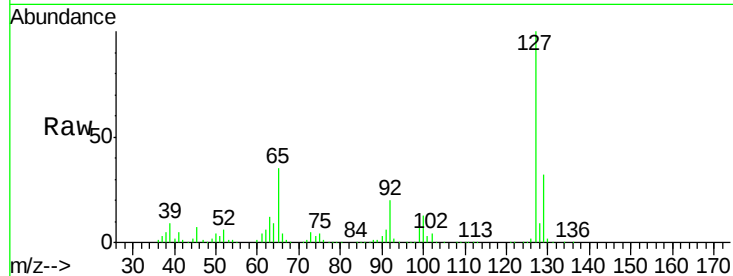




#33  
 4-Chloroaniline  
 Concen: 39.174 ng  
 RT: 8.23 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

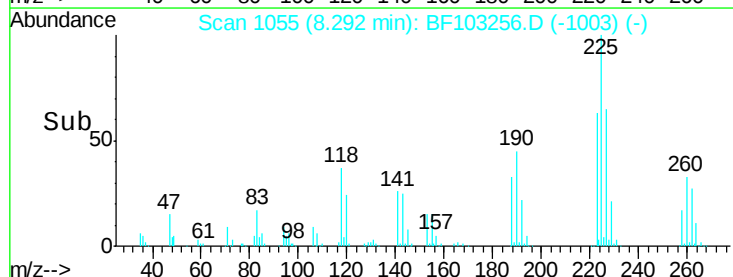
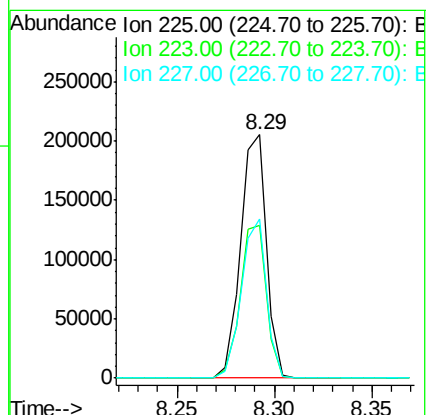
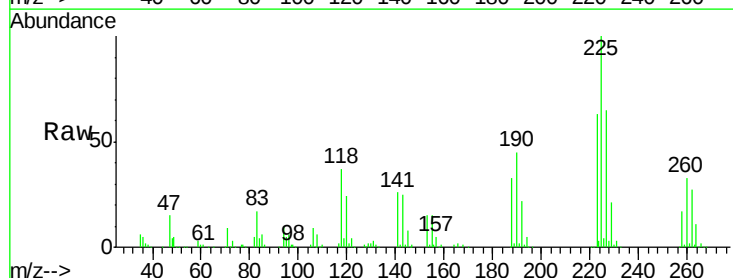
Instrument :  
 BNA\_F  
 ClientSampleId :

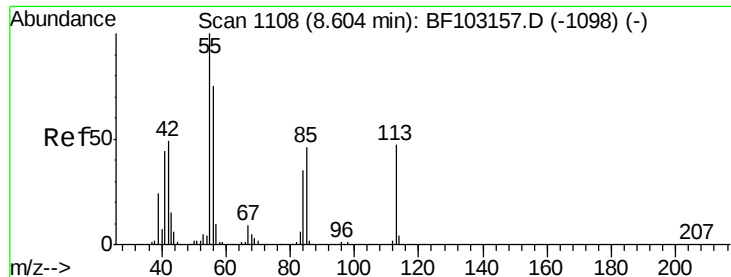
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 555436 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.0  | 25.9  | 38.9   |
| 65       | 34.6  | 25.0  | 37.4   |
| 92       | 19.5  | 15.2  | 22.8   |



#34  
 Hexachlorobutadiene  
 Concen: 38.174 ng  
 RT: 8.29 min Scan# 1055  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 188698 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.6  | 50.6  | 76.0   |
| 227      | 65.4  | 51.9  | 77.9   |





#35

Caprolactam

Concen: 40.338 ng

RT: 8.62 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

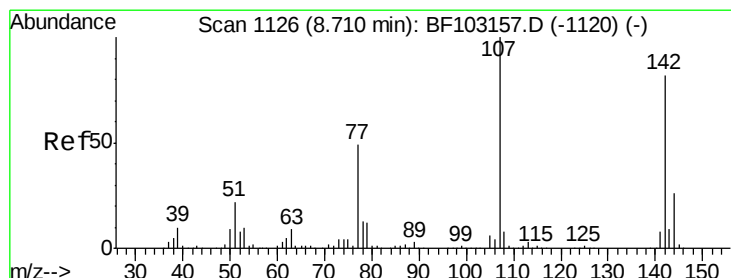
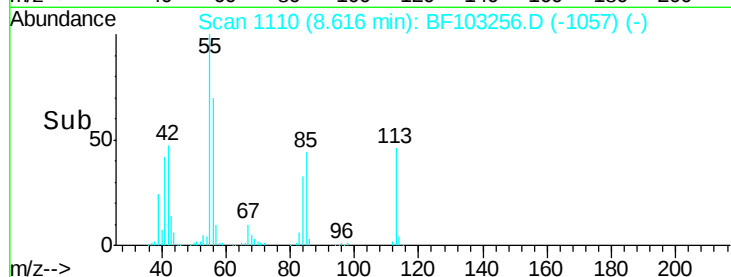
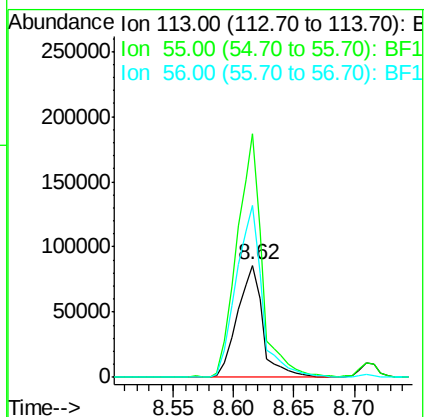
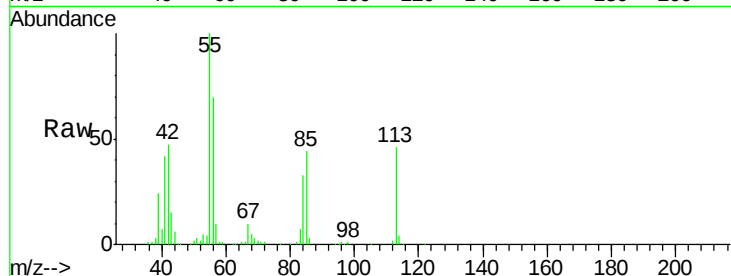
Tot Ion:113 Resp: 126374

Ion Ratio Lower Upper

113 100

55 217.4 163.3 203.3#

56 153.1 115.7 155.7



#36

4-Chloro-3-methylphenol

Concen: 38.520 ng

RT: 8.71 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

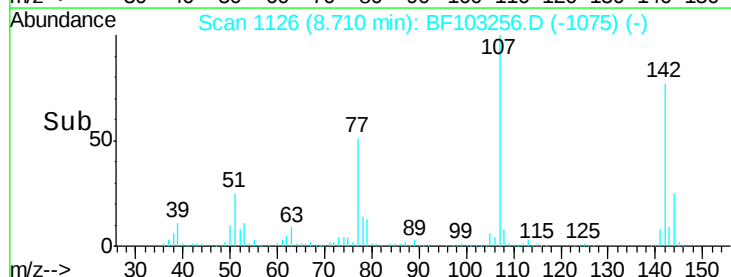
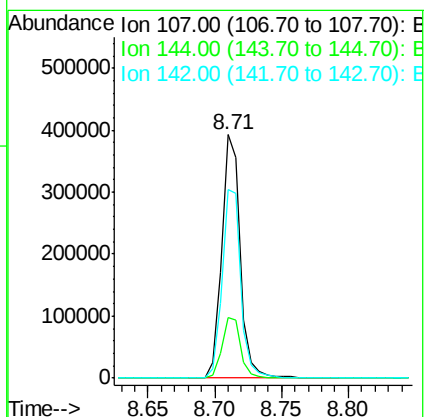
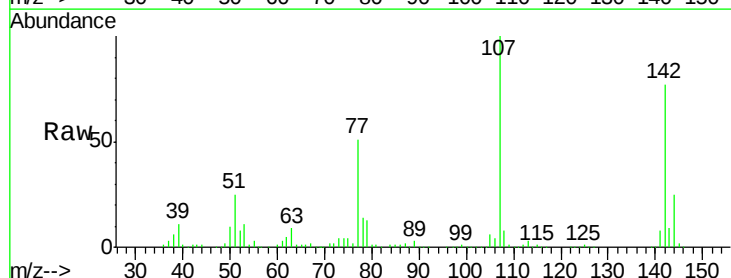
Tgt Ion:107 Resp: 387291

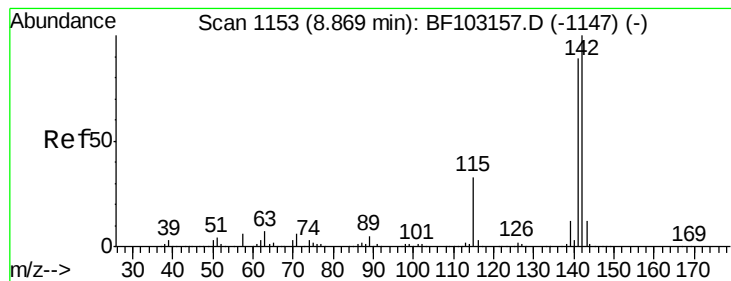
Ion Ratio Lower Upper

107 100

144 25.1 20.5 30.7

142 77.3 62.0 93.0

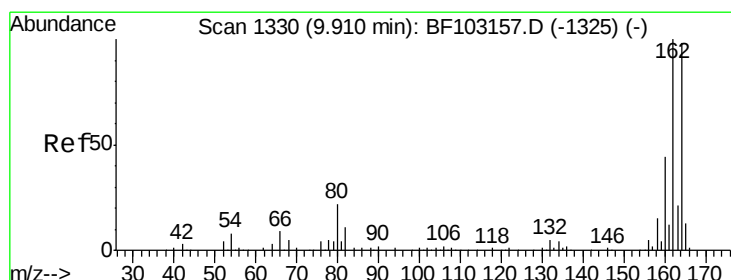
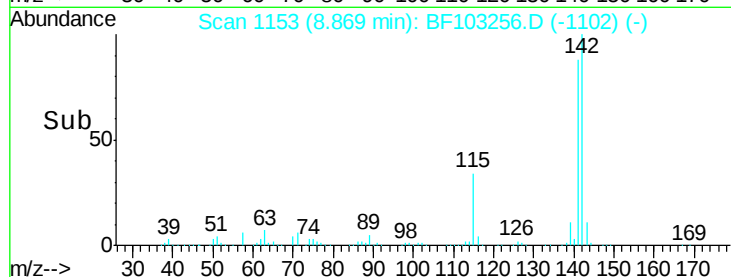
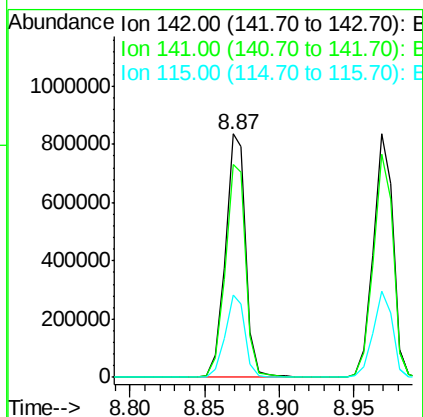
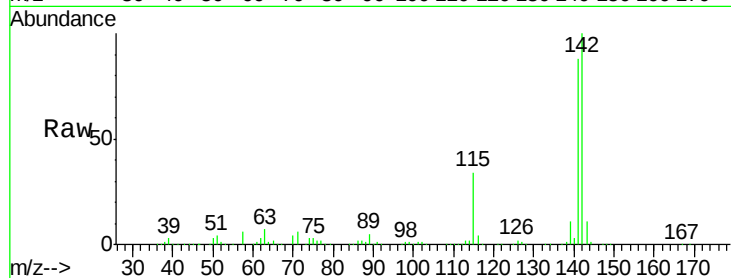




#37  
2-Methylnaphthalene  
Concen: 38.081 ng  
RT: 8.87 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

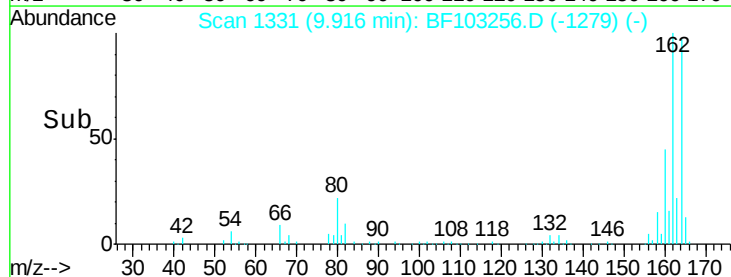
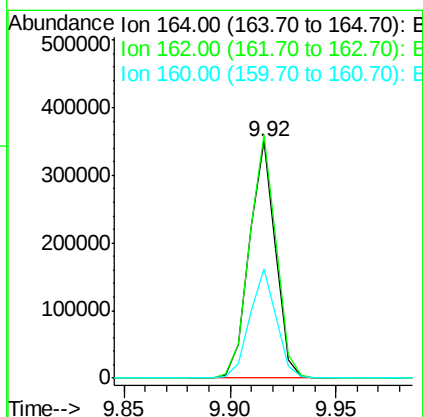
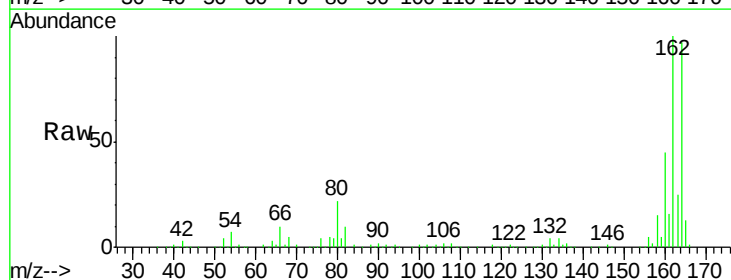
Instrument :  
BNA\_F  
ClientSampleId :

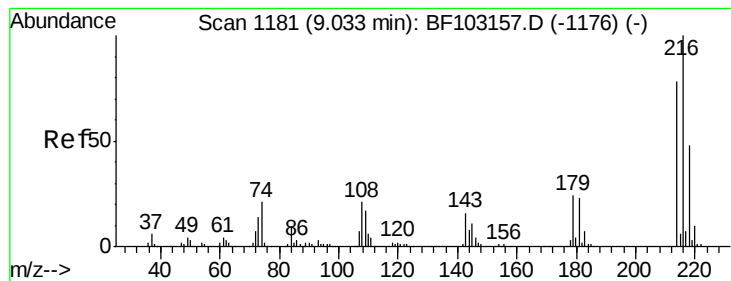
Tot Ion:142 Resp: 808650  
Ion Ratio Lower Upper  
142 100  
141 87.6 70.8 106.2  
115 33.9 26.1 39.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:164 Resp: 300733  
Ion Ratio Lower Upper  
164 100  
162 102.7 86.1 129.1  
160 46.0 38.3 57.5

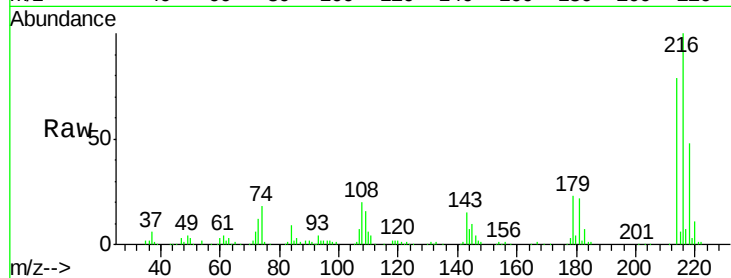




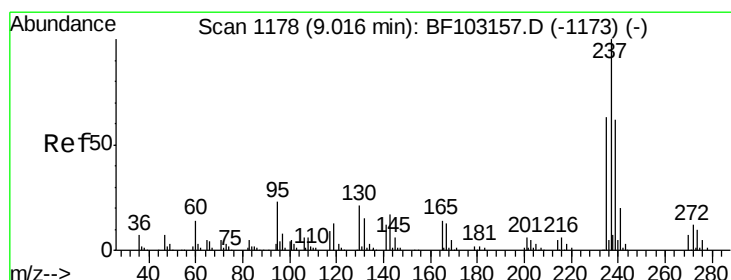
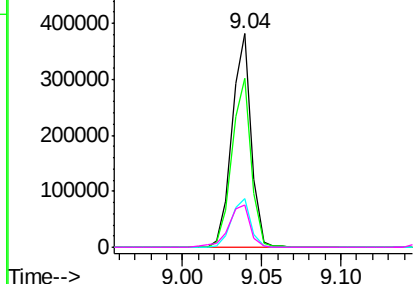
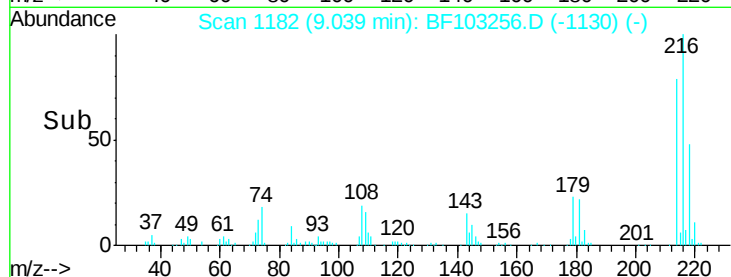
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.906 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.6  | 63.0  | 94.4  |
| 179     | 23.0  | 18.1  | 27.1  |
| 108     | 22.3  | 17.2  | 25.8  |

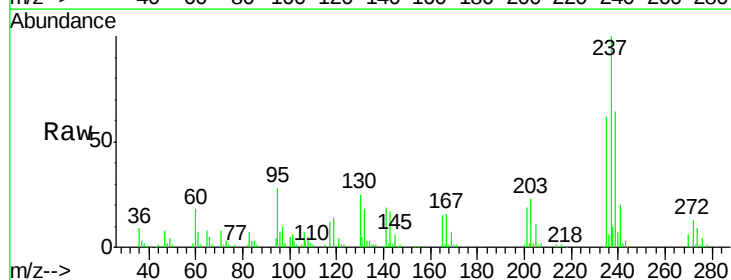


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

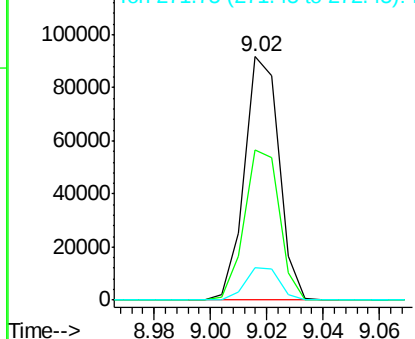
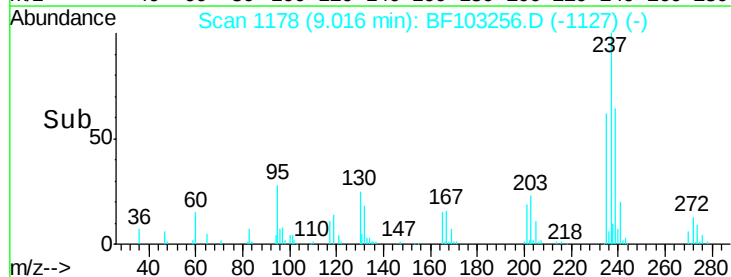


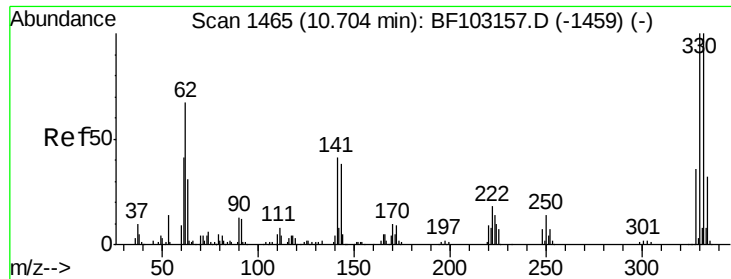
#40  
 Hexachlorocyclopentadiene  
 Concen: 32.785 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. 0.00 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 61.9  | 44.8  | 84.8  |
| 272     | 13.1  | 0.0   | 33.3  |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 75.694 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

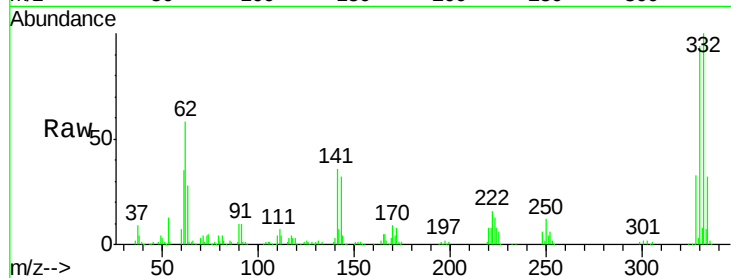
Tot Ion:330 Resp: 192683

Ion Ratio Lower Upper

330 100

332 103.5 77.0 115.6

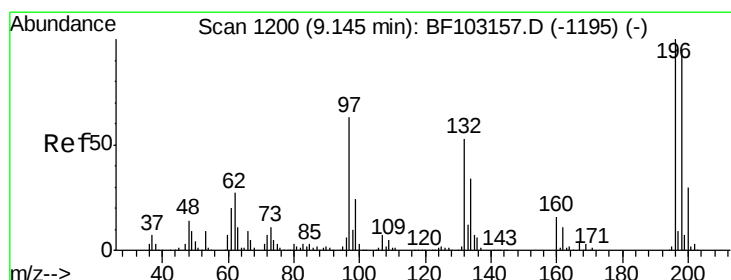
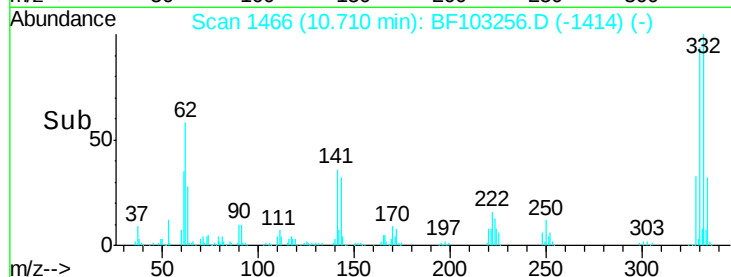
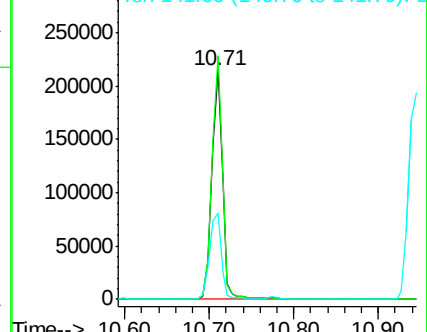
141 40.6 29.9 44.9



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: 39.290 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

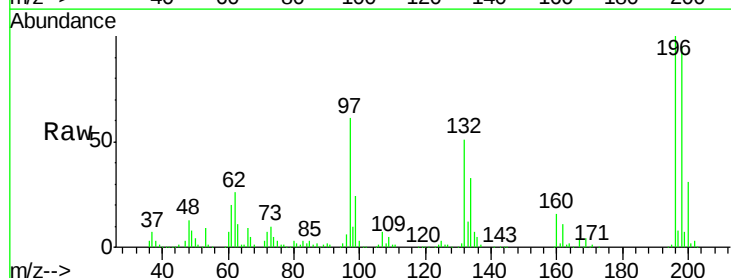
Tgt Ion:196 Resp: 217350

Ion Ratio Lower Upper

196 100

198 94.9 75.7 113.5

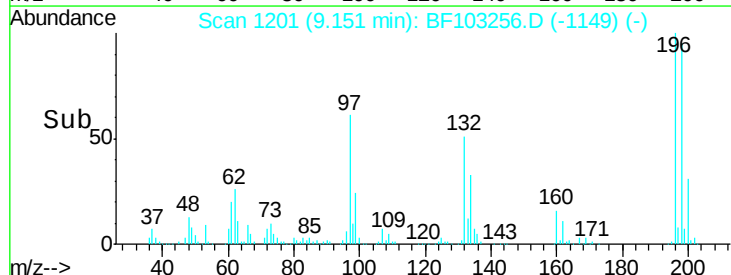
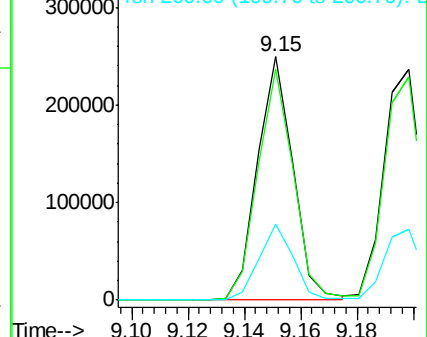
200 31.2 24.5 36.7

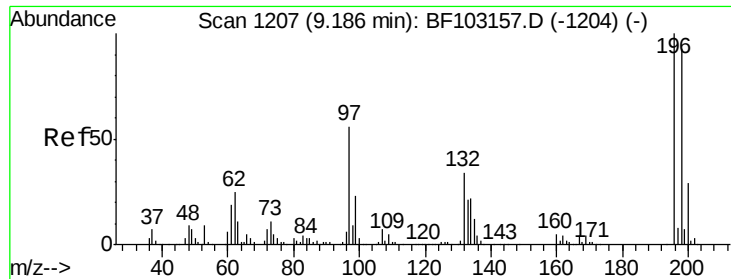


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

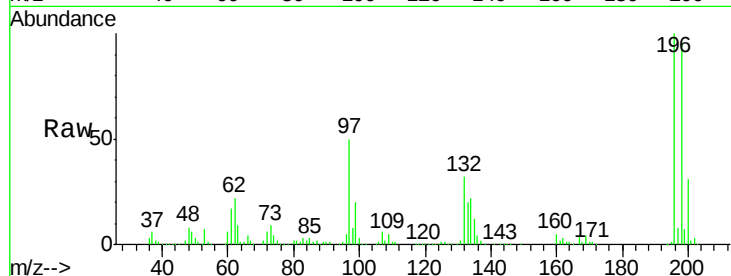




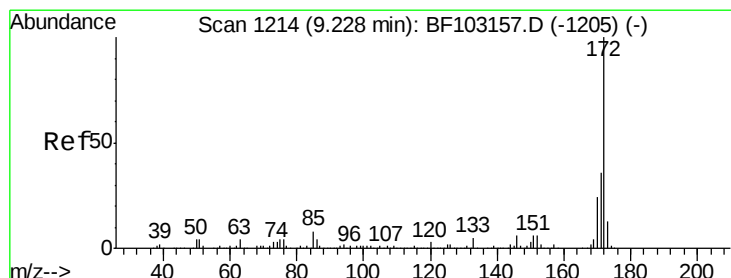
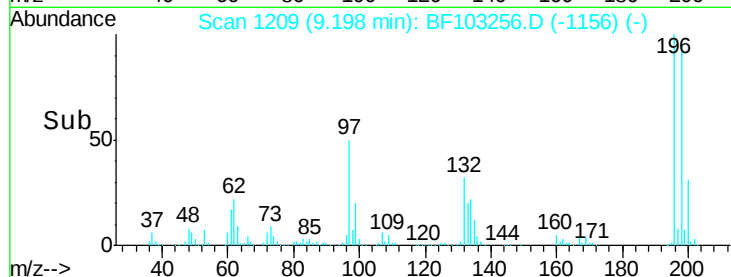
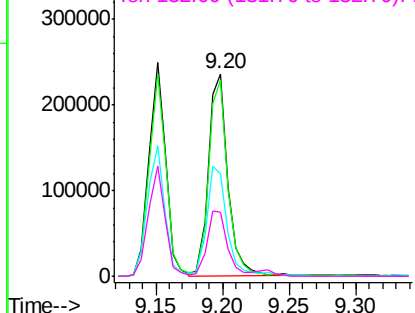
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.023 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.5  | 74.6  | 112.0 |
| 97      | 50.4  | 42.9  | 64.3  |
| 132     | 31.5  | 26.3  | 39.5  |

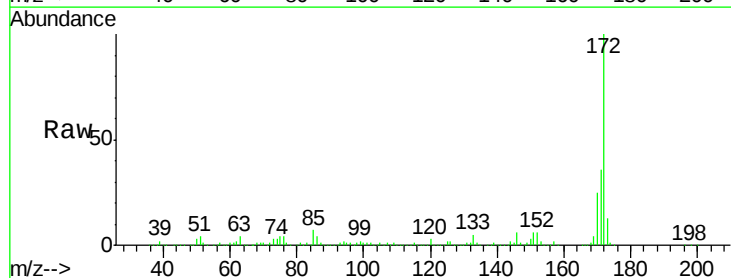


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

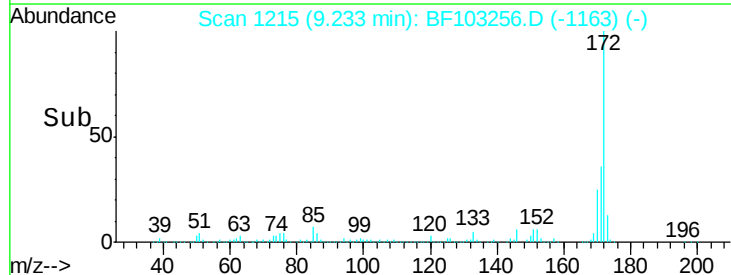
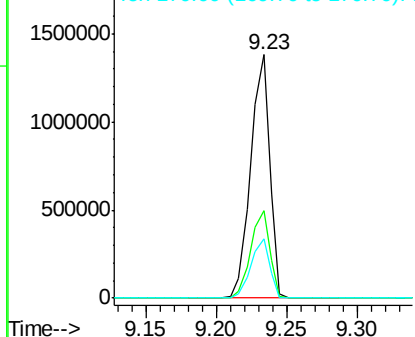


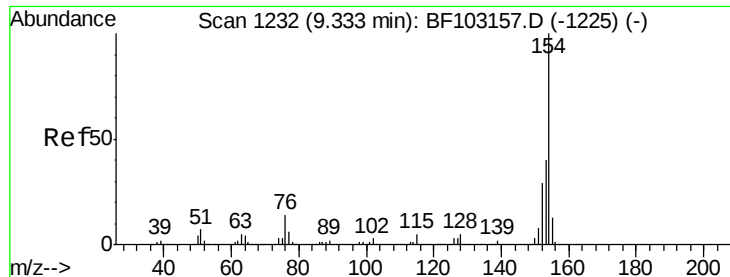
#44  
 2-Fluorobiphenyl  
 Concen: 73.208 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 24.6  | 19.6  | 29.4  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 37.703 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

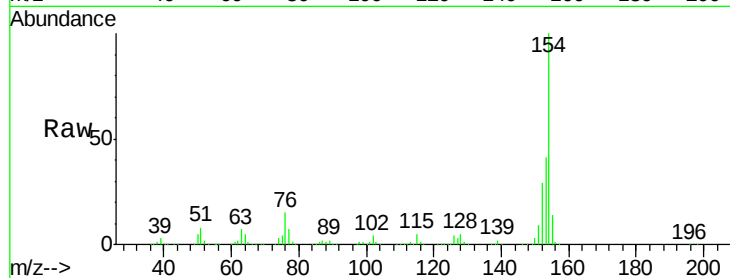
Tot Ion:154 Resp: 950106

Ion Ratio Lower Upper

154 100

153 41.1 21.3 61.3

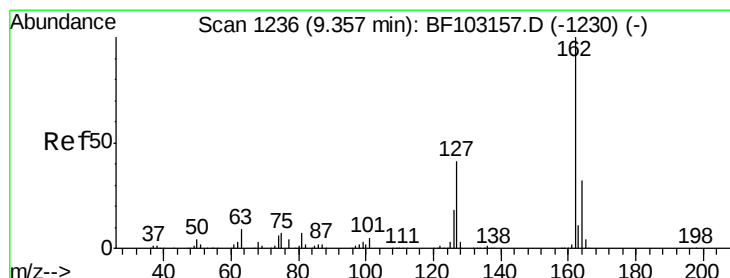
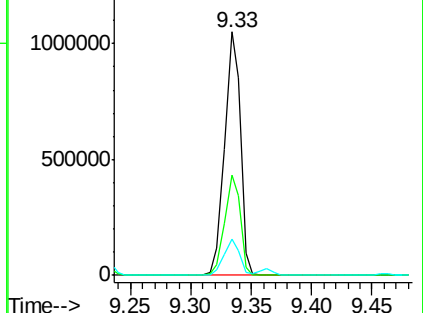
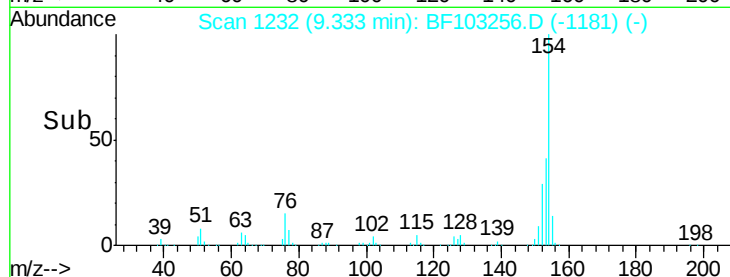
76 15.1 0.0 34.0



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: 38.275 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

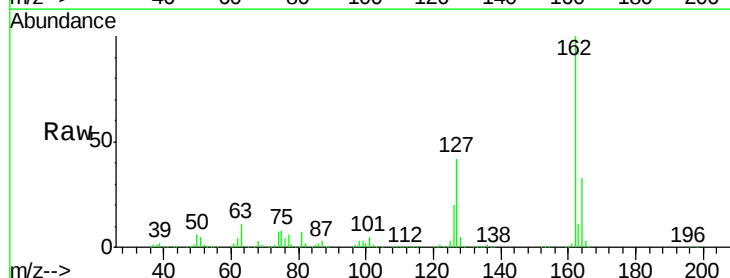
Tgt Ion:162 Resp: 763070

Ion Ratio Lower Upper

162 100

127 41.7 33.9 50.9

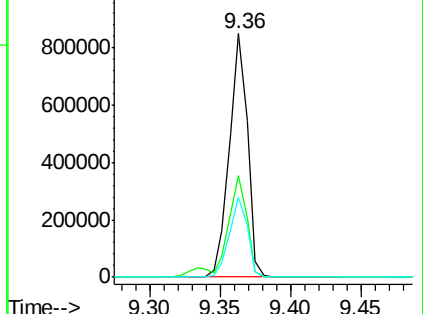
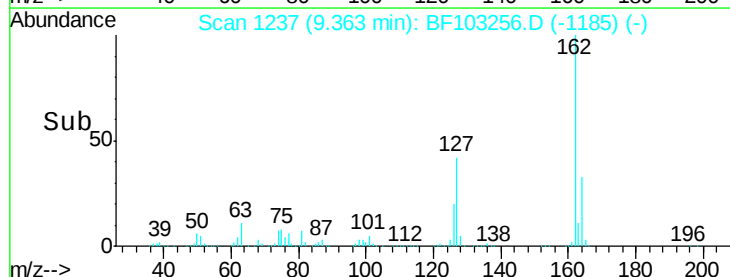
164 33.0 26.5 39.7

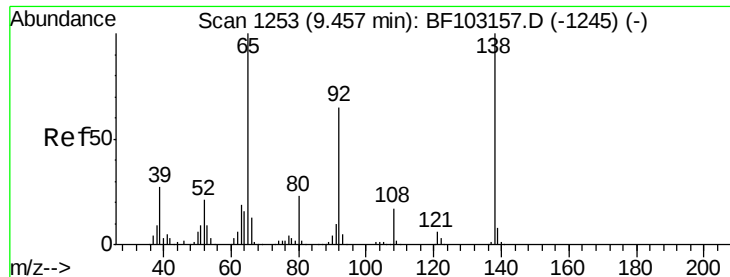


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 39.426 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

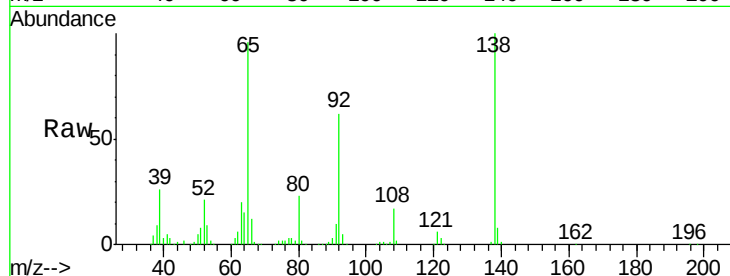
Tot Ion: 65 Resp: 291158

Ion Ratio Lower Upper

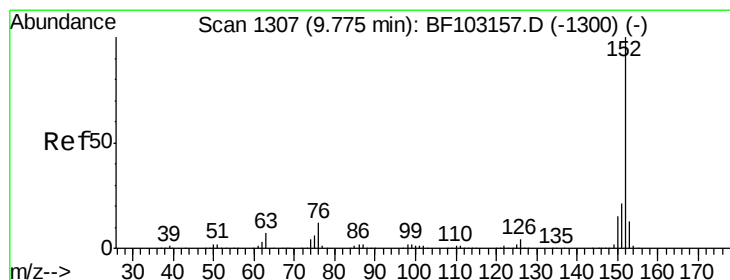
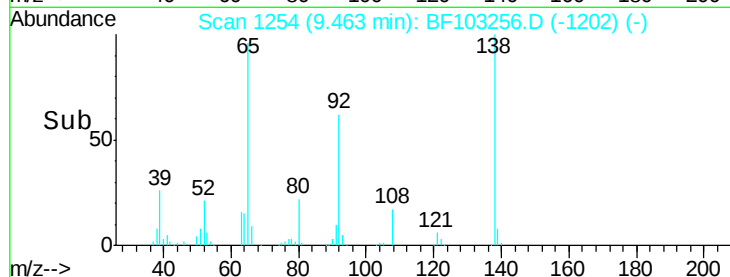
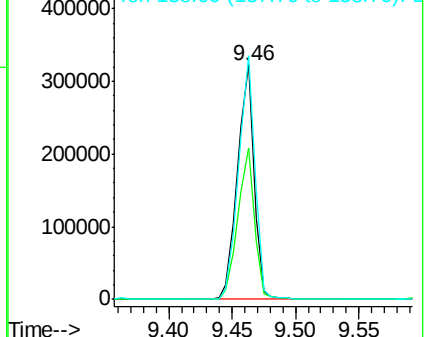
65 100

92 64.7 55.8 83.6

138 104.0 91.2 136.8



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 37.634 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

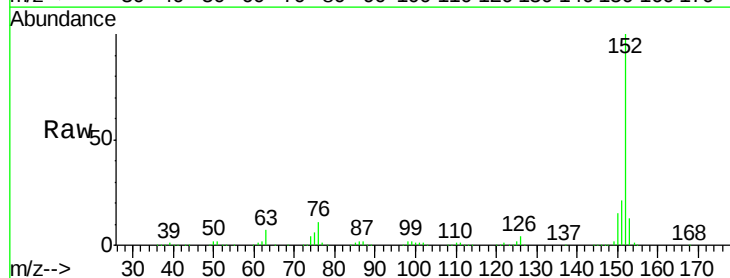
Tgt Ion: 152 Resp: 1154397

Ion Ratio Lower Upper

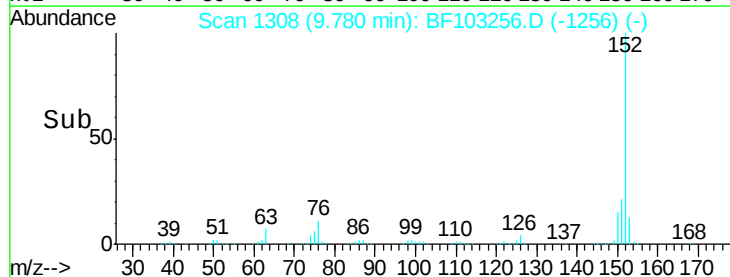
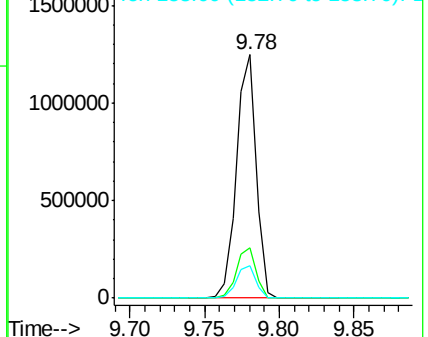
152 100

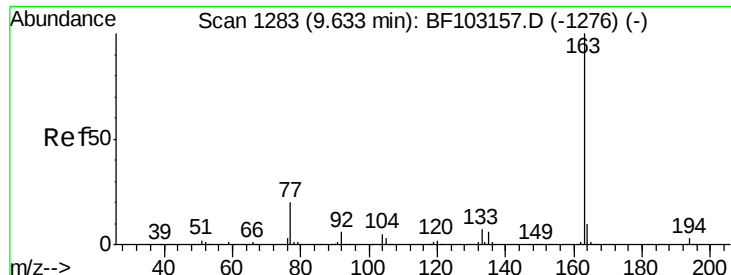
151 20.6 16.3 24.5

153 13.2 10.7 16.1



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

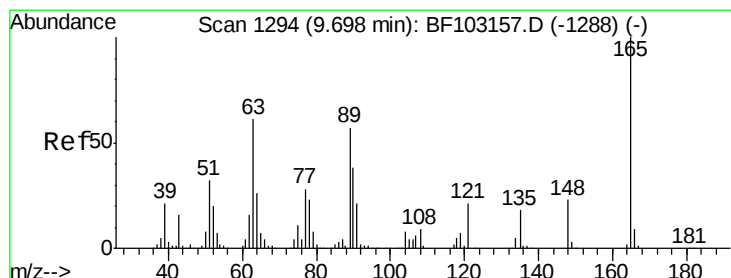
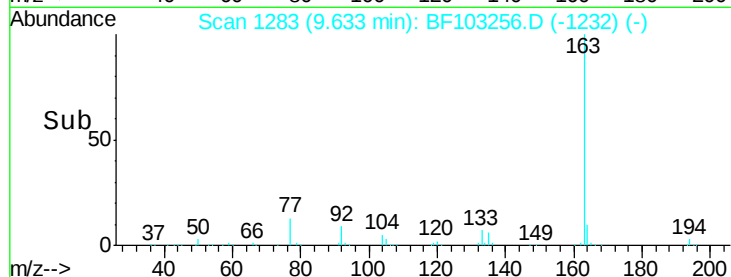
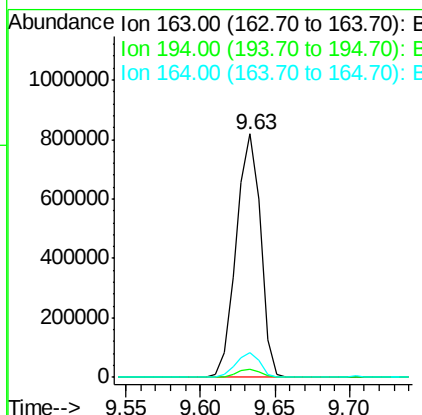
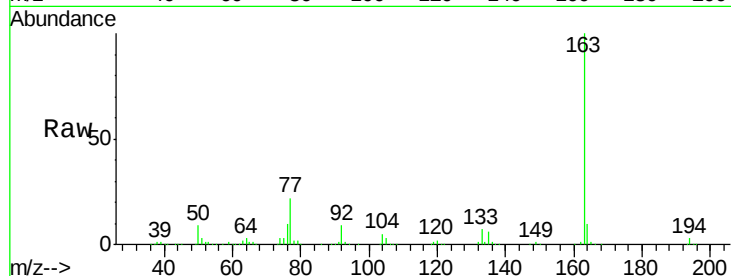




#49  
Dimethylphthalate  
Concen: 38.775 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

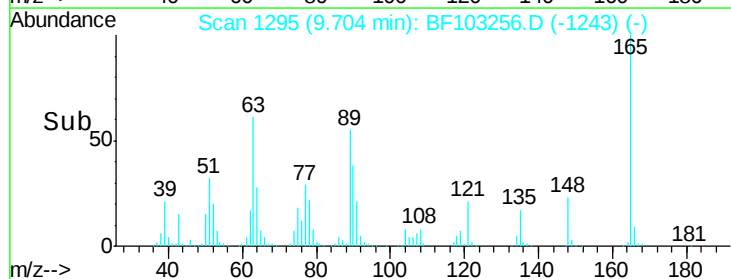
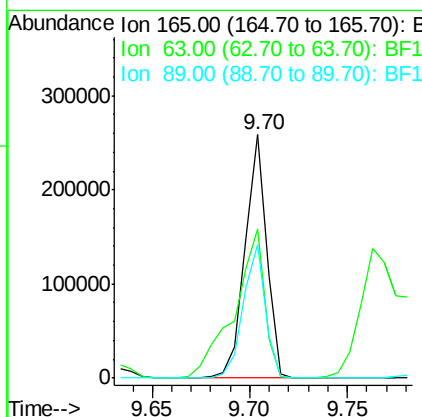
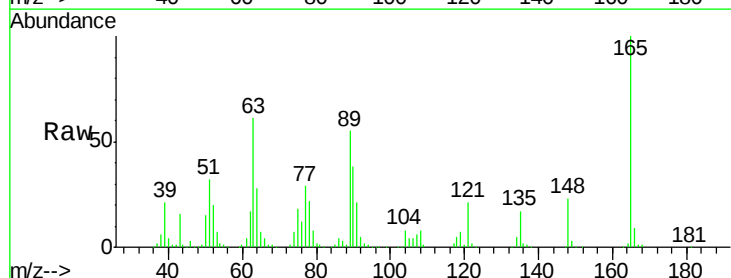
Instrument :  
BNA\_F  
ClientSampled :

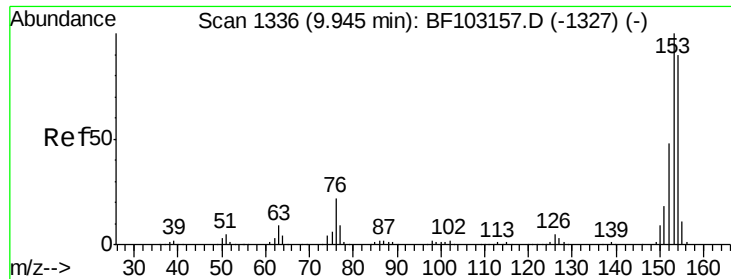
Tot Ion:163 Resp: 935470  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.4 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 39.162 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:165 Resp: 198266  
Ion Ratio Lower Upper  
165 100  
63 61.4 44.7 67.1  
89 54.6 44.0 66.0

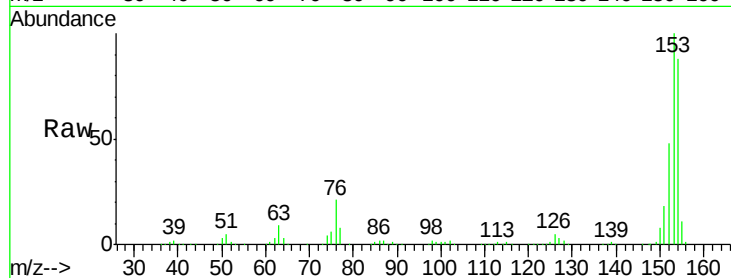




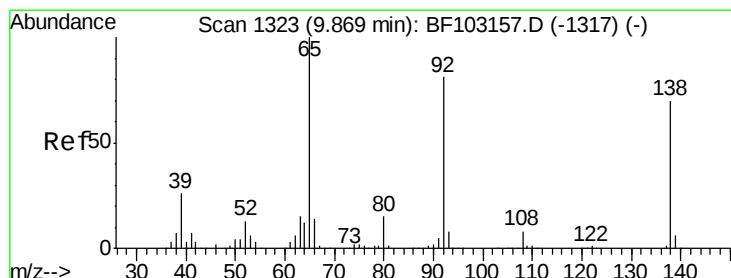
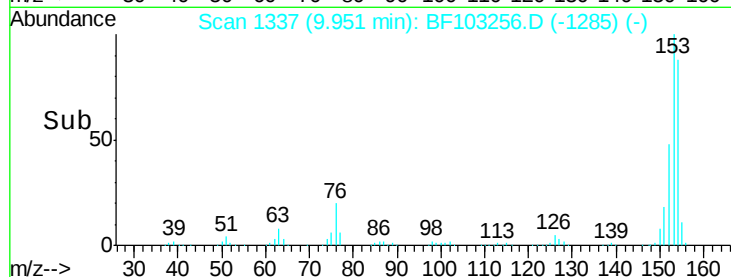
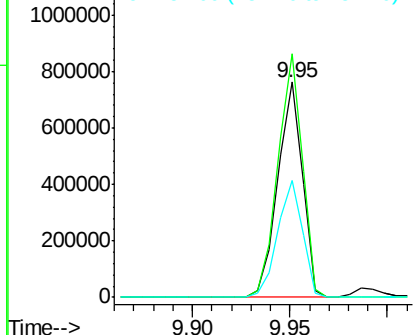
#51  
Acenaphthene  
Concen: 37.323 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.0 | 91.2  | 136.8 |
| 152     | 54.2  | 43.8  | 65.8  |

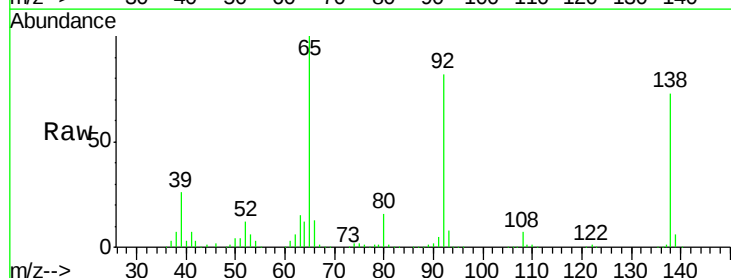


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

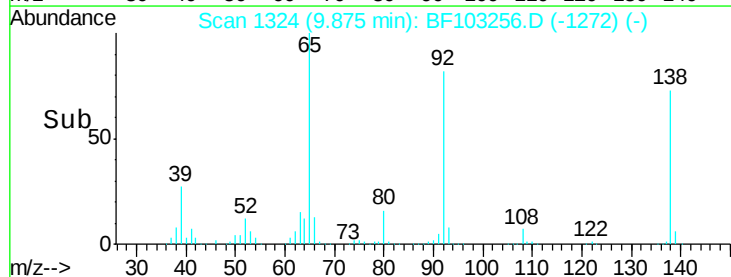
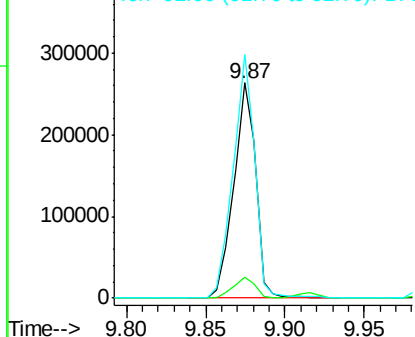


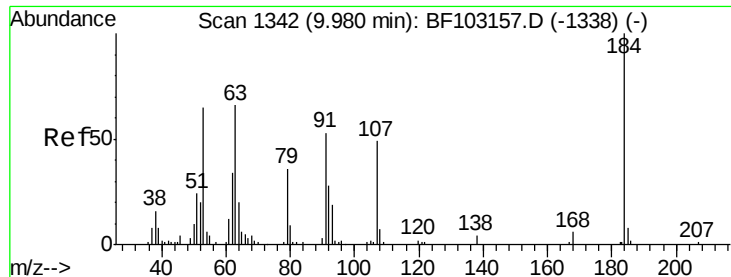
#52  
3-Nitroaniline  
Concen: 39.566 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.0  | 9.4   | 14.0  |
| 92      | 113.0 | 89.4  | 134.2 |



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): BF1

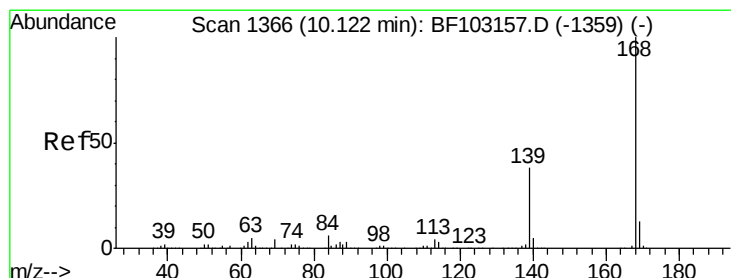
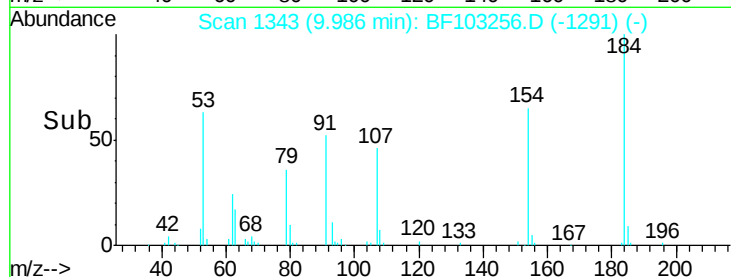
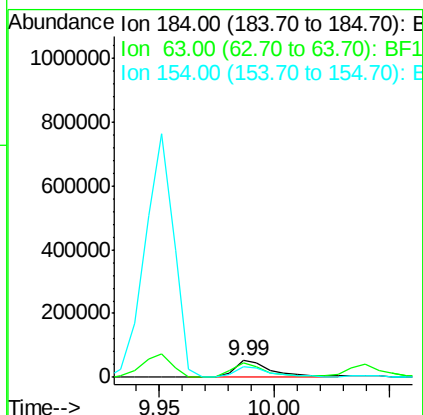
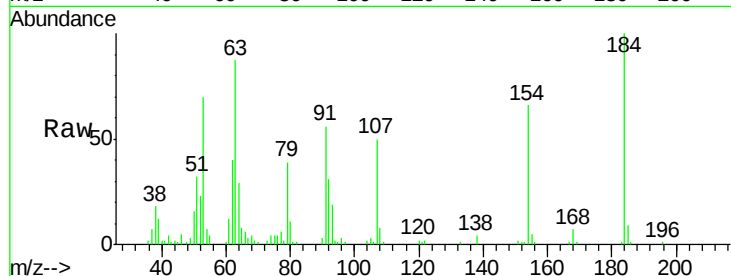




#53  
2,4-Dinitrophenol  
Concen: 38.449 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

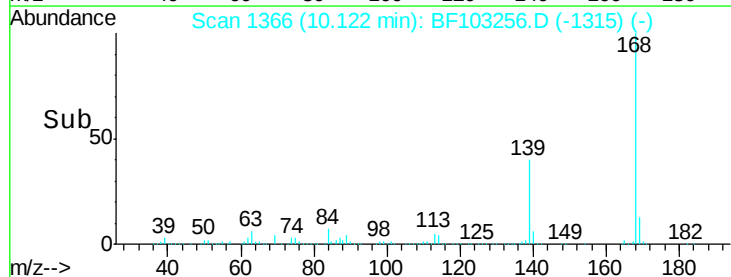
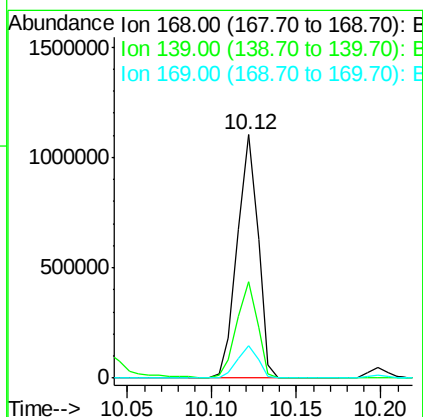
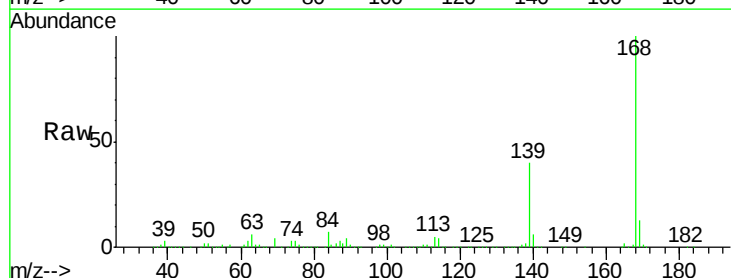
Instrument :  
BNA\_F  
ClientSampleId :

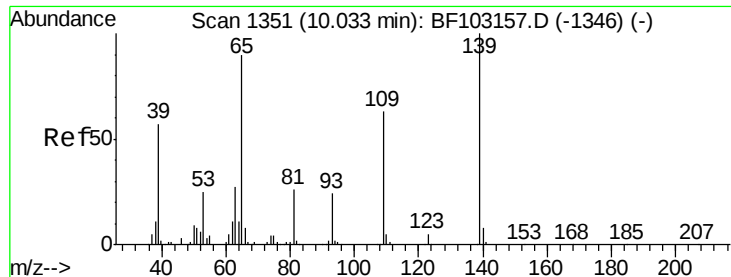
Tot Ion:184 Resp: 59926  
Ion Ratio Lower Upper  
184 100  
63 86.8 54.2 81.2#  
154 66.1 184.0 276.0#



#54  
Dibenzofuran  
Concen: 38.635 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:168 Resp: 948625  
Ion Ratio Lower Upper  
168 100  
139 39.7 30.1 45.1  
169 13.4 10.9 16.3

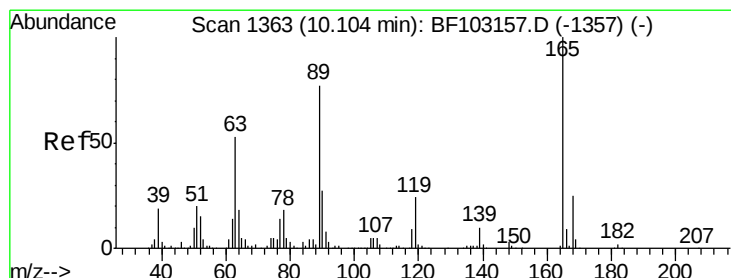
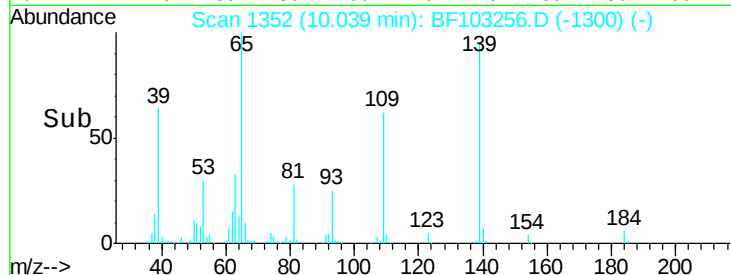
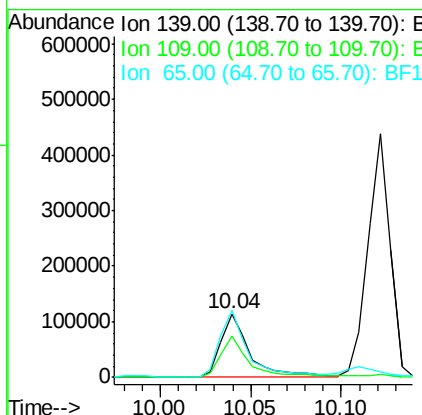
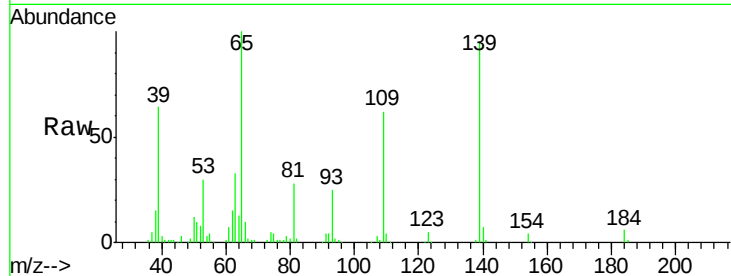




#55  
4-Nitrophenol  
Concen: 32.412 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

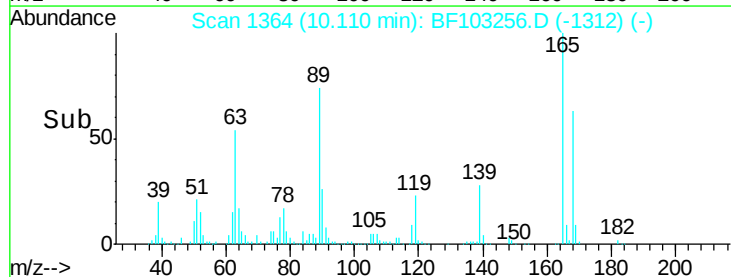
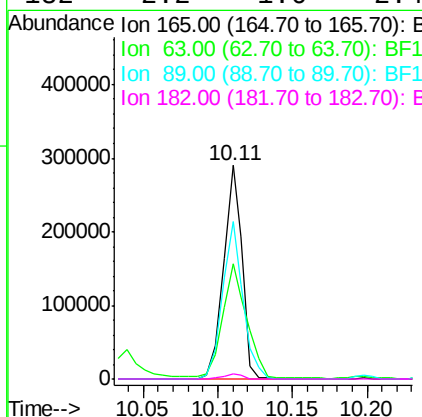
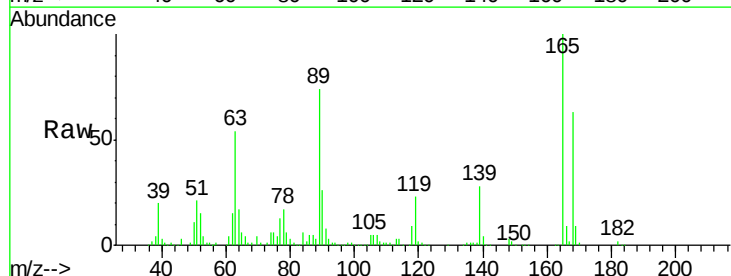
Instrument :  
BNA\_F  
ClientSampled :

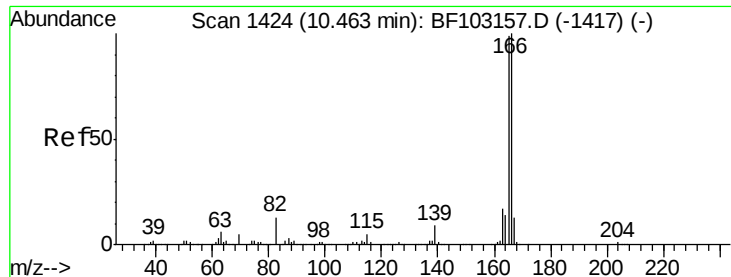
Tot Ion:139 Resp: 129030  
Ion Ratio Lower Upper  
139 100  
109 65.2 48.4 88.4  
65 105.5 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 39.881 ng  
RT: 10.11 min Scan# 1364  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:165 Resp: 255357  
Ion Ratio Lower Upper  
165 100  
63 54.2 36.4 54.6  
89 73.7 57.8 86.6  
182 2.2 1.6 2.4

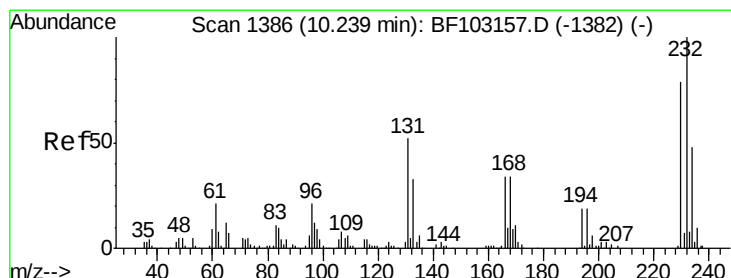
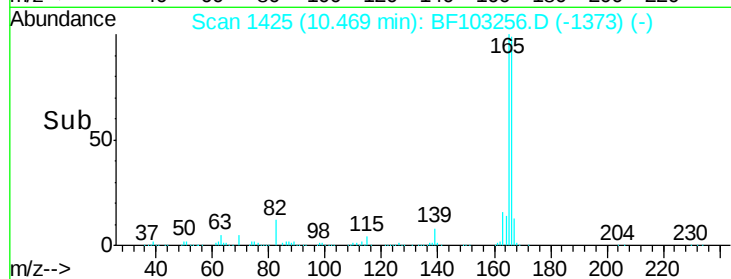
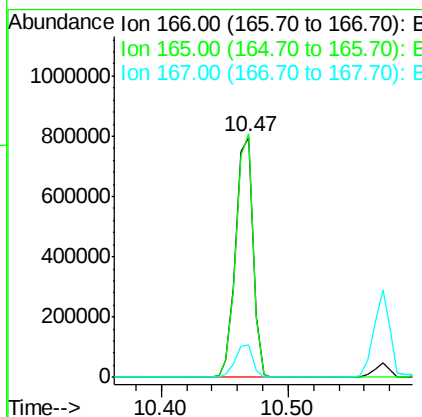
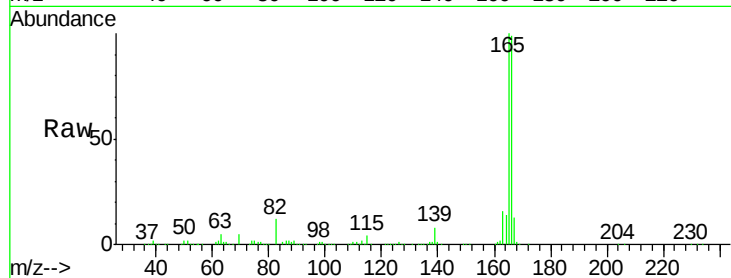




#57  
 Fluorene  
 Concen: 35.894 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

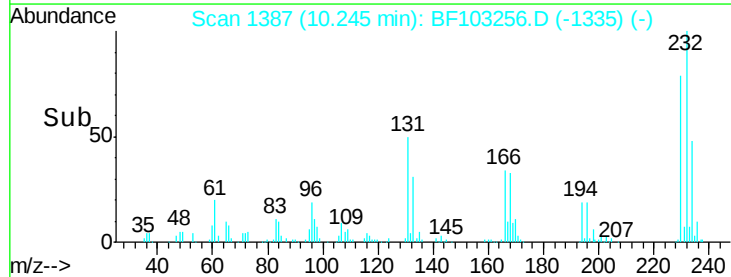
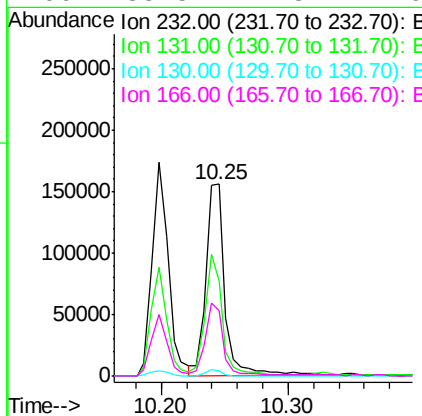
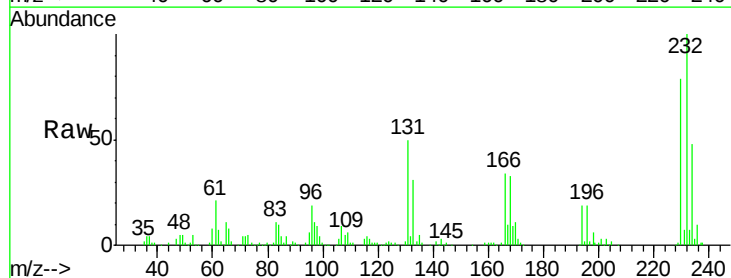
Instrument :  
 BNA\_F  
 ClientSampled :

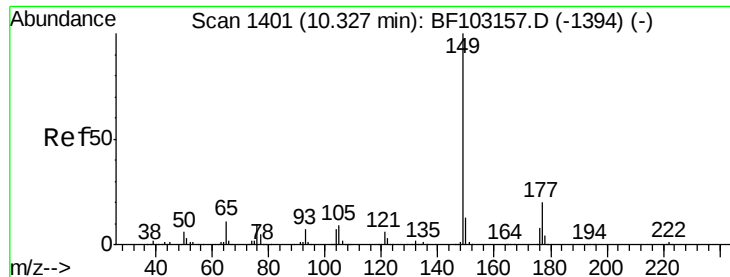
Tot Ion:166 Resp: 750774  
 Ion Ratio Lower Upper  
 166 100  
 165 101.5 79.8 119.8  
 167 13.3 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 37.764 ng  
 RT: 10.25 min Scan# 1387  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:232 Resp: 161411  
 Ion Ratio Lower Upper  
 232 100  
 131 58.1 43.8 65.8  
 130 2.8 2.1 3.1  
 166 35.5 27.8 41.6

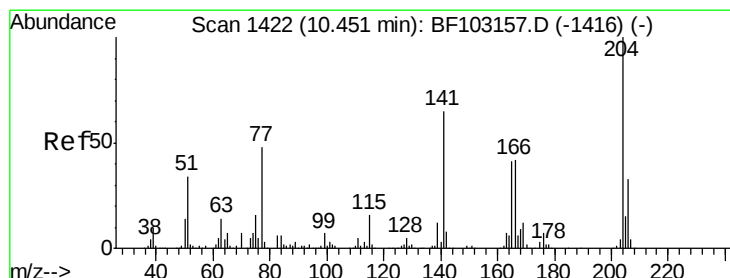
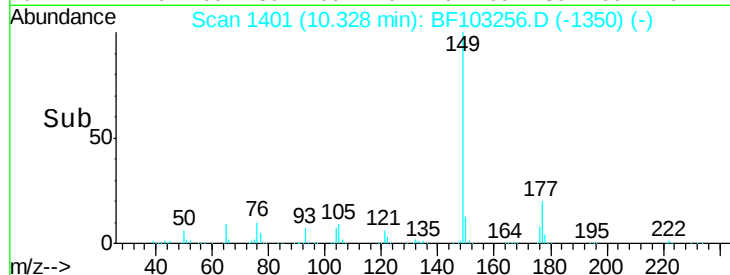
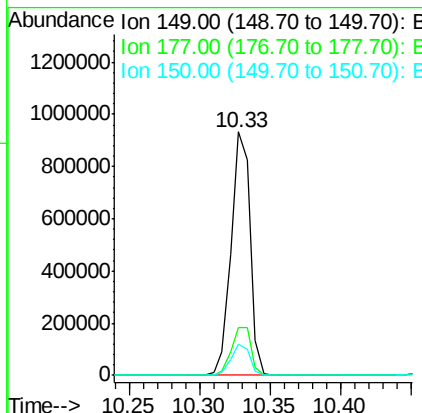
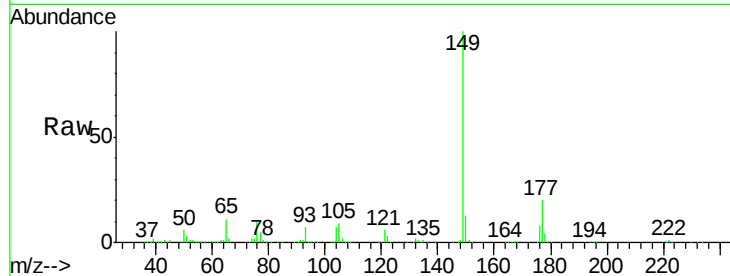




#59  
Diethylphthalate  
Concen: 37.704 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

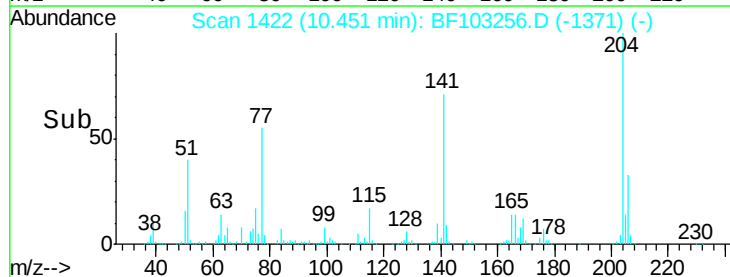
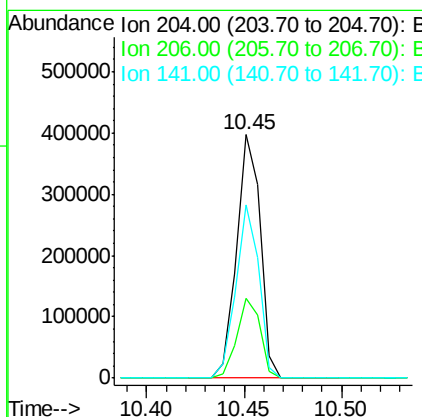
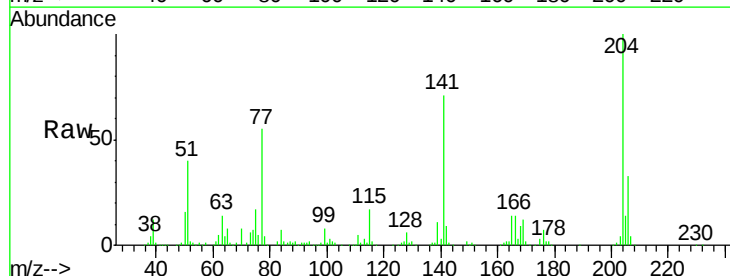
Instrument :  
BNA\_F  
ClientSampleId :

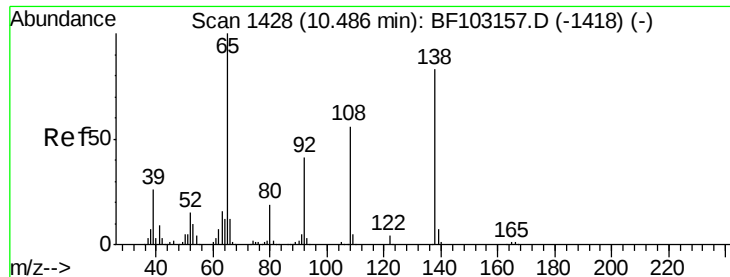
Tot Ion:149 Resp: 869973  
Ion Ratio Lower Upper  
149 100  
177 19.8 16.1 24.1  
150 12.8 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 37.632 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:204 Resp: 333796  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.5 39.7  
141 71.1 54.6 81.8

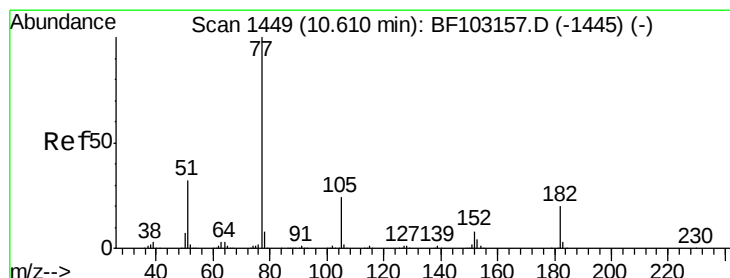
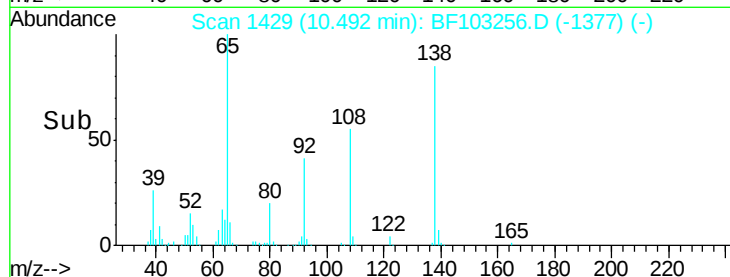
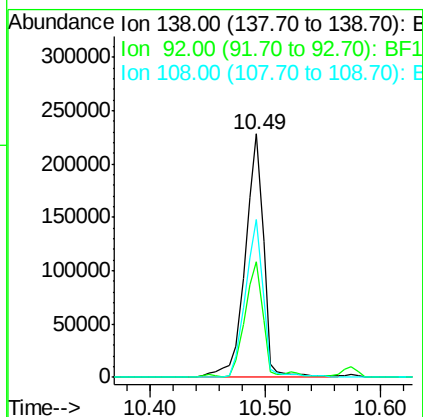
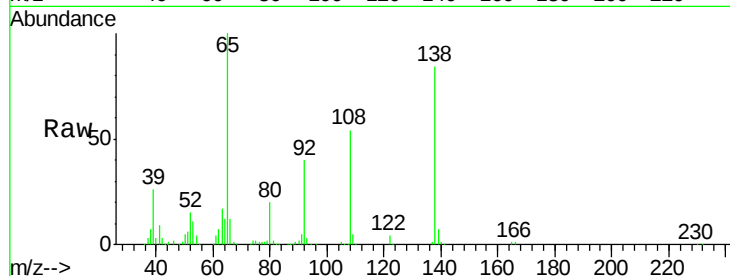




#61  
4-Nitroaniline  
Concen: 39.283 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

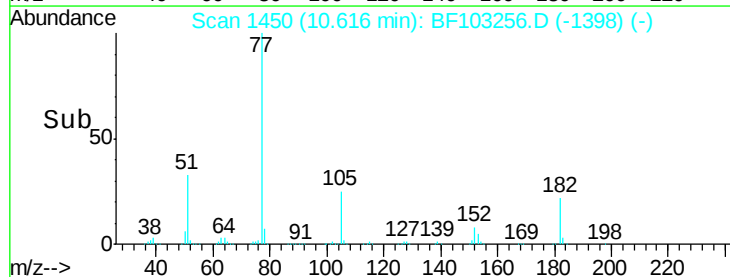
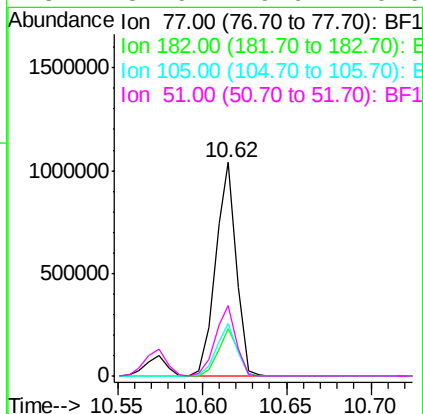
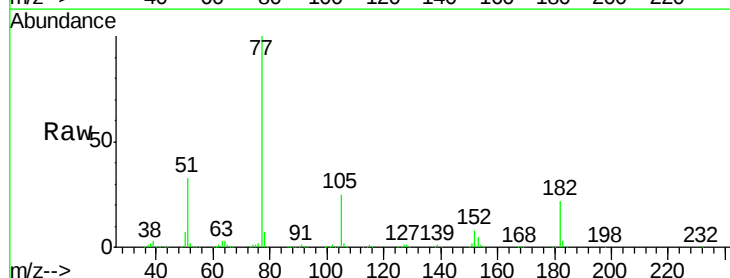
Instrument :  
BNA\_F  
ClientSampleId :

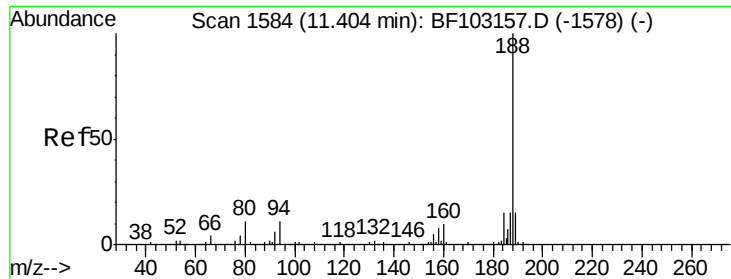
Tot Ion:138 Resp: 252029  
Ion Ratio Lower Upper  
138 100  
92 47.6 30.2 70.2  
108 64.8 52.5 92.5



#62  
Azobenzene  
Concen: 37.585 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion: 77 Resp: 882747  
Ion Ratio Lower Upper  
77 100  
182 22.4 1.7 41.7  
105 24.8 3.0 43.0  
51 32.9 9.9 49.9

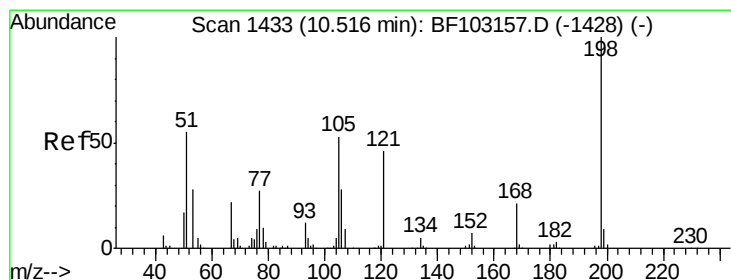
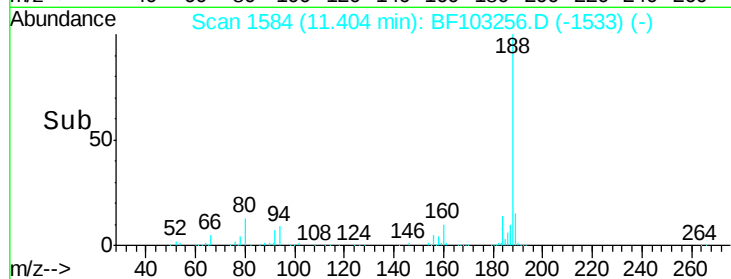
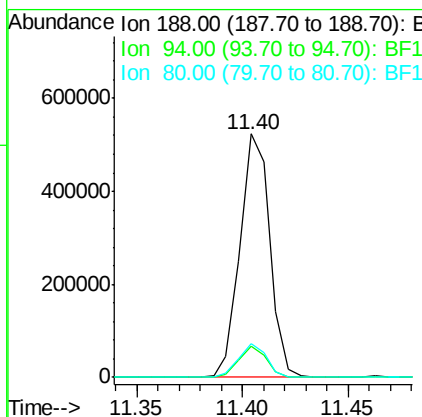
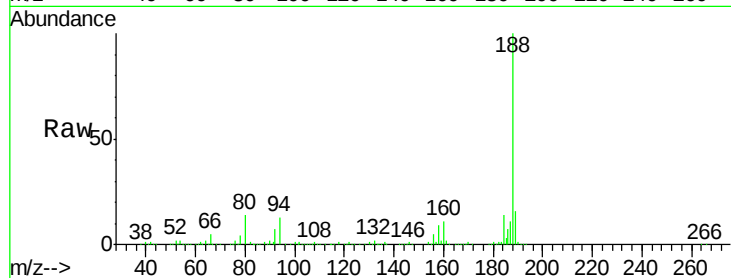




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

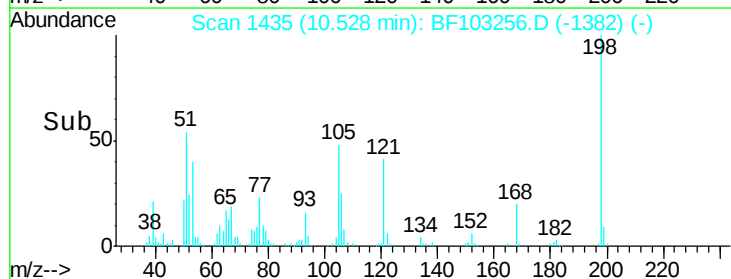
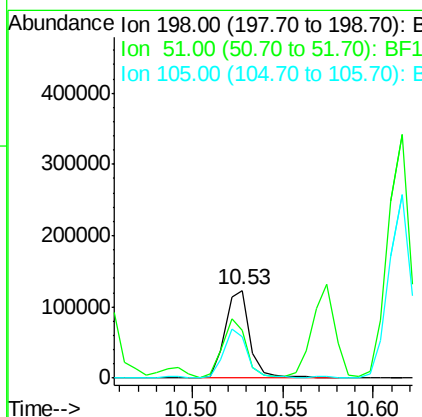
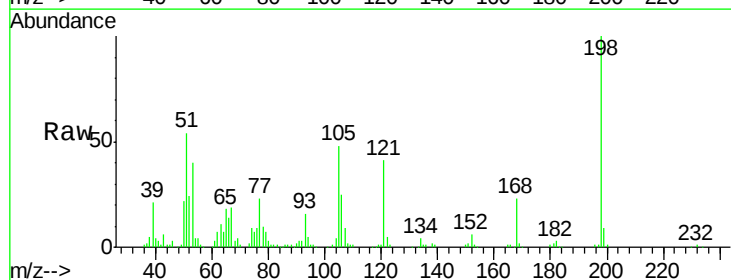
Instrument :  
BNA\_F  
ClientSampleId :

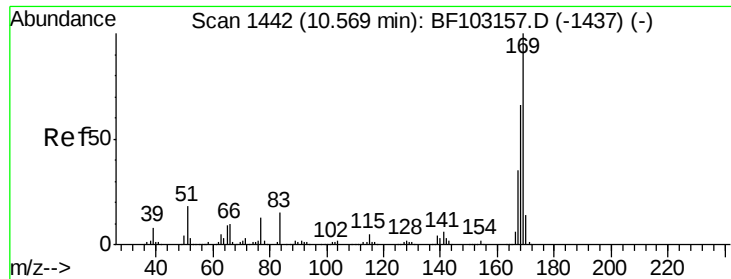
Tot Ion:188 Resp: 511399  
Ion Ratio Lower Upper  
188 100  
94 12.6 8.5 12.7  
80 13.8 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 39.329 ng  
RT: 10.53 min Scan# 1435  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:198 Resp: 119278  
Ion Ratio Lower Upper  
198 100  
51 54.0 37.7 77.7  
105 47.9 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 38.002 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampled :

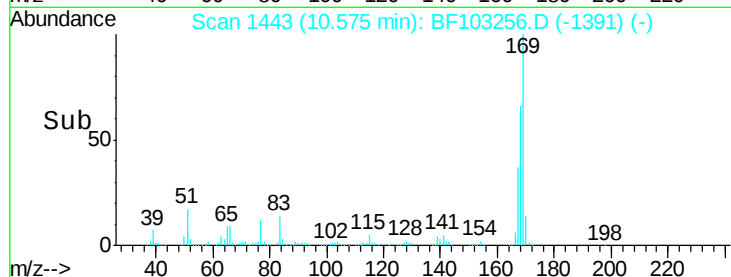
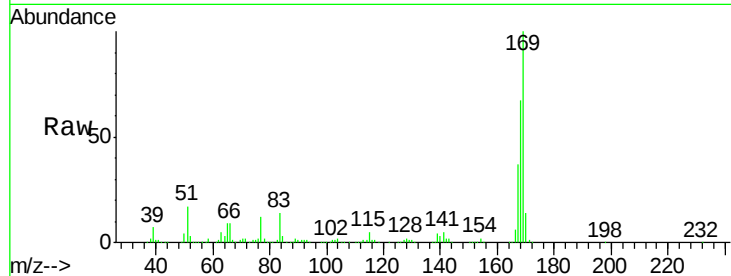
Tot Ion:169 Resp: 676665

Ion Ratio Lower Upper

169 100

168 66.5 54.4 81.6

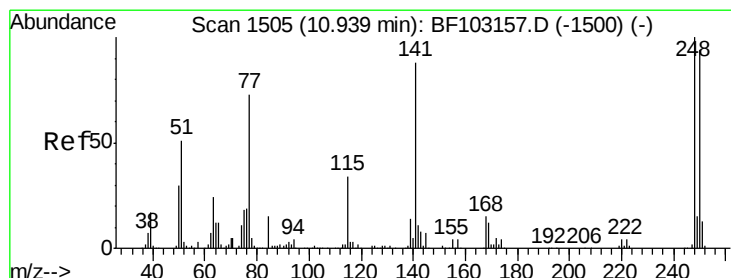
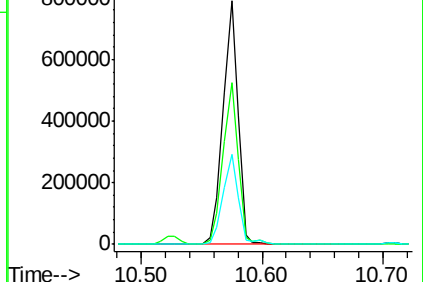
167 36.8 29.8 44.6



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: 38.815 ng

RT: 10.95 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

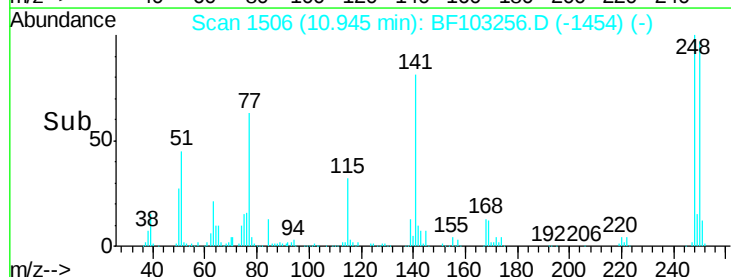
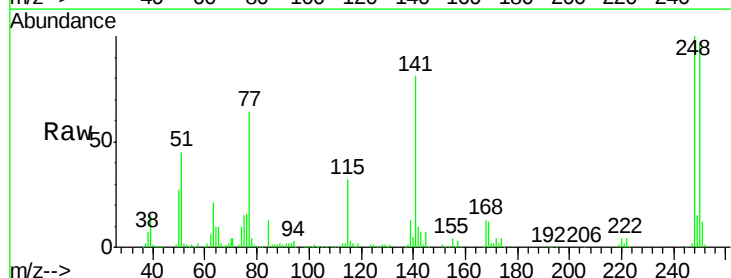
Tgt Ion:248 Resp: 206776

Ion Ratio Lower Upper

248 100

250 96.5 76.9 115.3

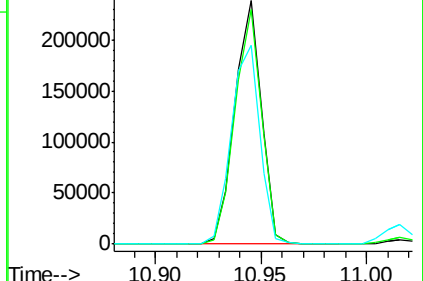
141 81.4 74.4 111.6

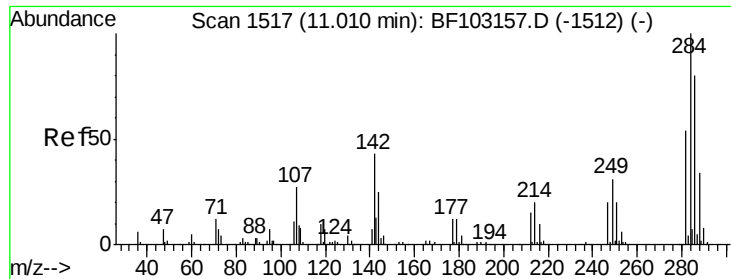


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

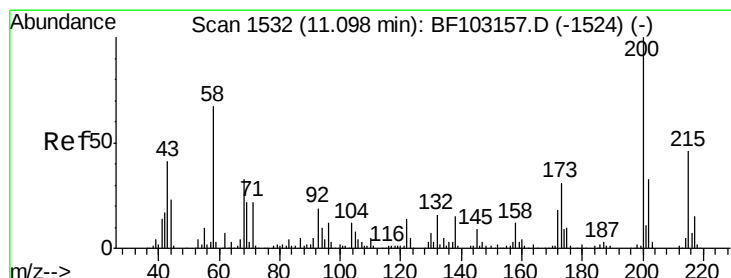
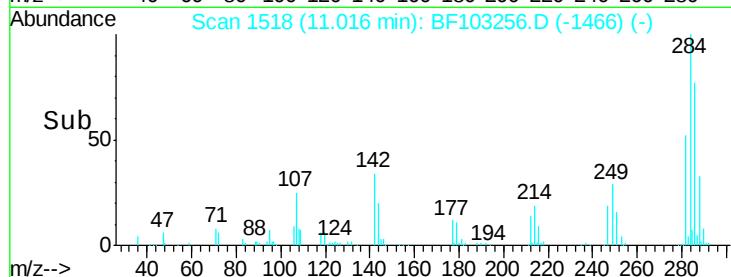
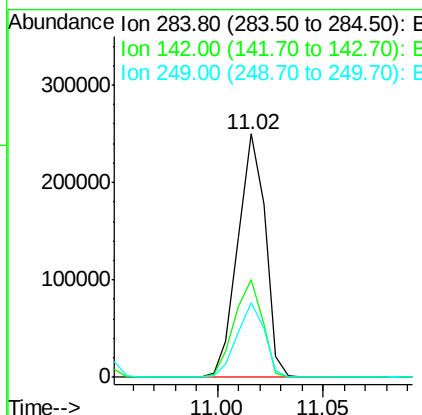
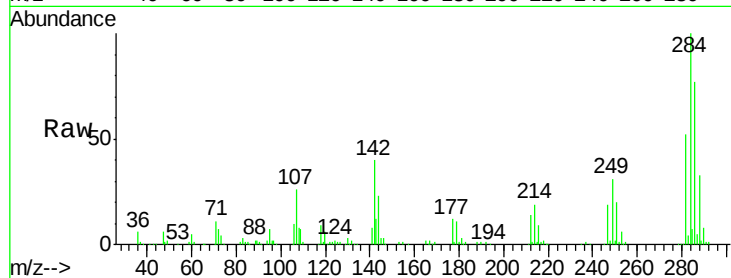




#67  
Hexachlorobenzene  
Concen: 38.868 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

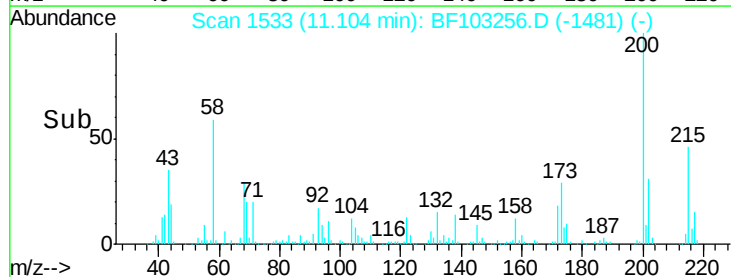
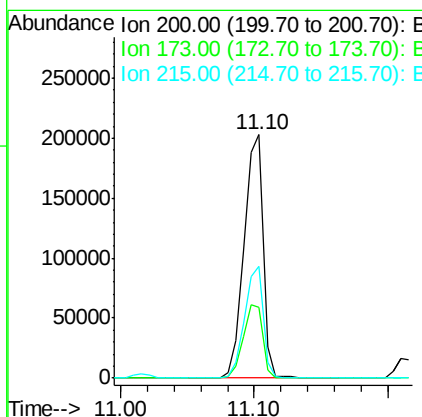
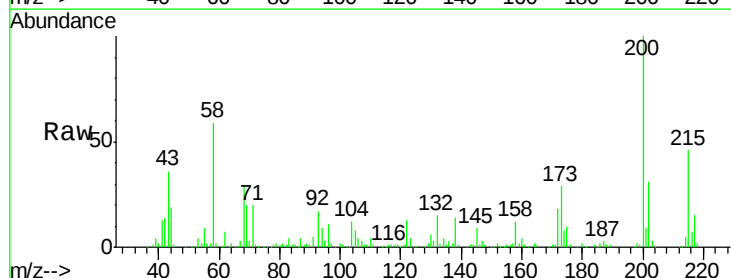
Instrument :  
BNA\_F  
ClientSampleId :

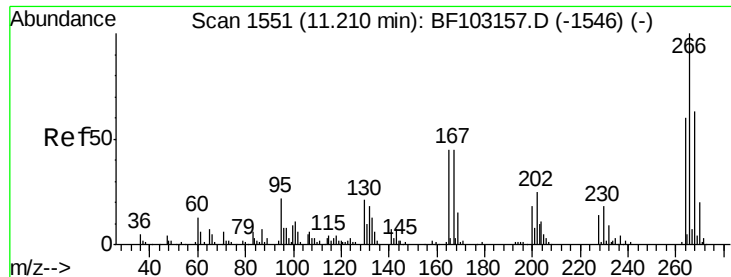
Tot Ion:284 Resp: 224743  
Ion Ratio Lower Upper  
284 100  
142 40.4 34.6 52.0  
249 30.5 24.8 37.2



#68  
Atrazine  
Concen: 37.341 ng  
RT: 11.10 min Scan# 1533  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:200 Resp: 199850  
Ion Ratio Lower Upper  
200 100  
173 29.1 8.6 48.6  
215 46.0 25.1 65.1

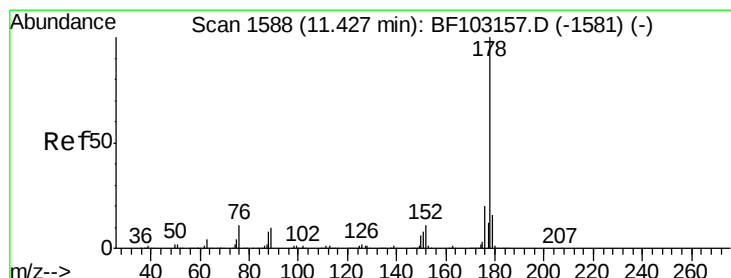
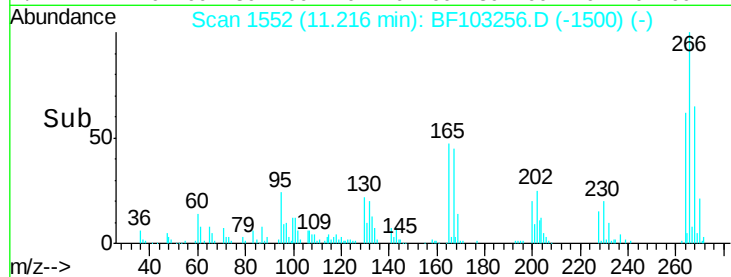
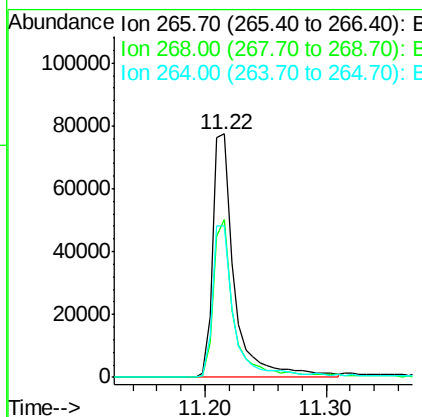
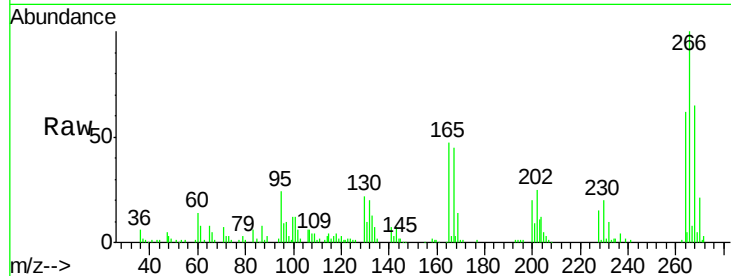




#69  
 Pentachlorophenol  
 Concen: 34.230 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

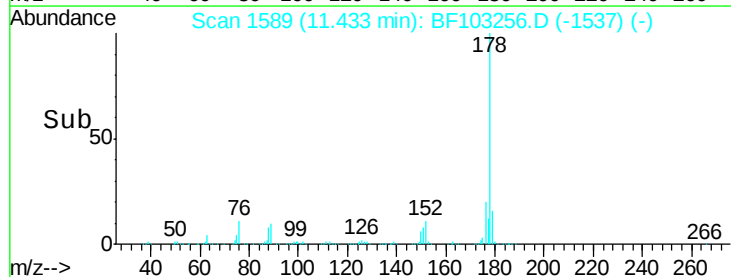
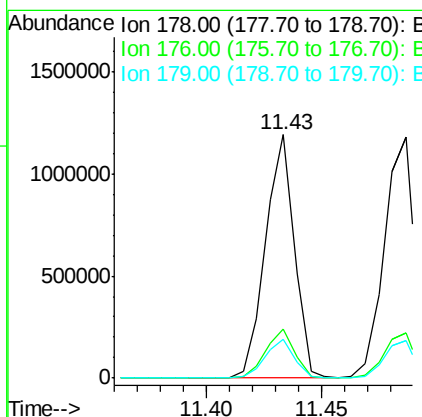
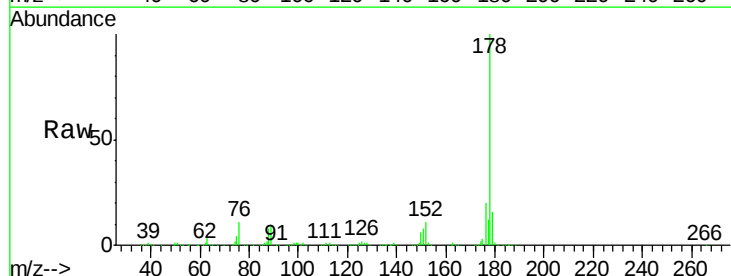
Instrument :  
 BNA\_F  
 ClientSampleId :

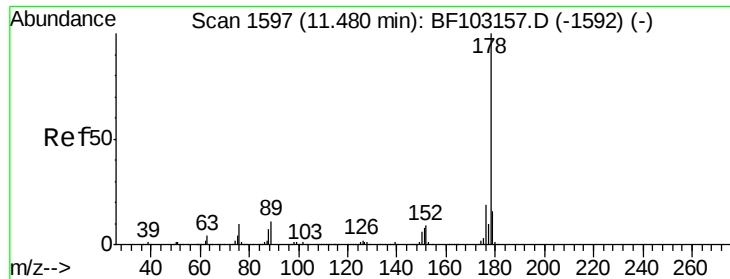
Tot Ion:266 Resp: 95699  
 Ion Ratio Lower Upper  
 266 100  
 268 64.7 51.1 76.7  
 264 62.3 49.5 74.3



#70  
 Phenanthrene  
 Concen: 37.036 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:178 Resp: 1042335  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 15.8 23.8  
 179 15.8 13.0 19.6

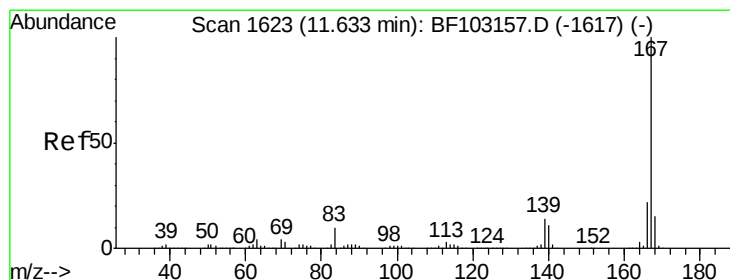
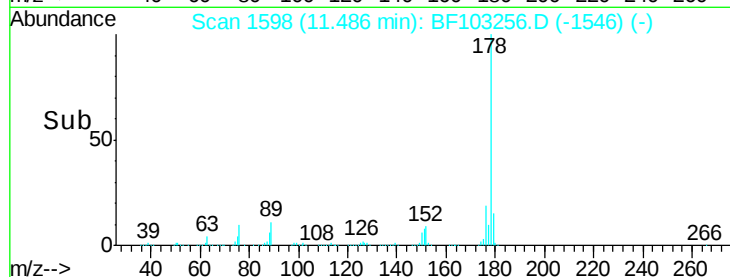
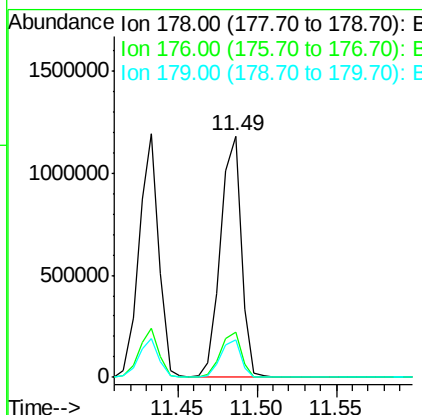
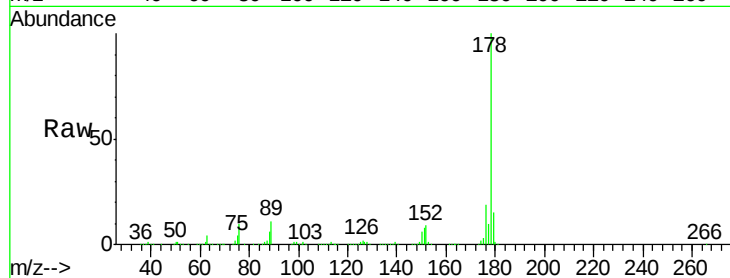




#71  
 Anthracene  
 Concen: 37.329 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

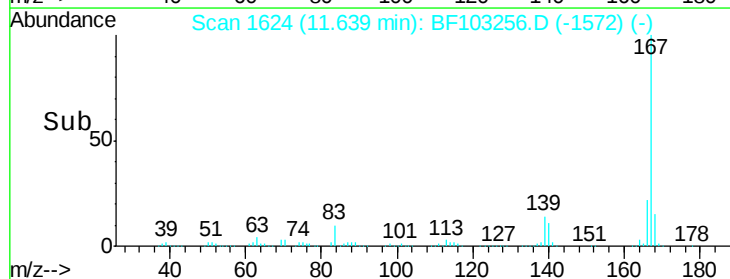
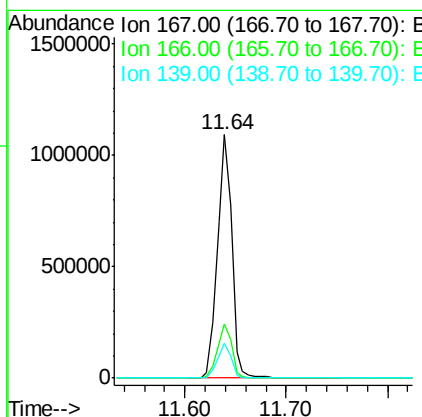
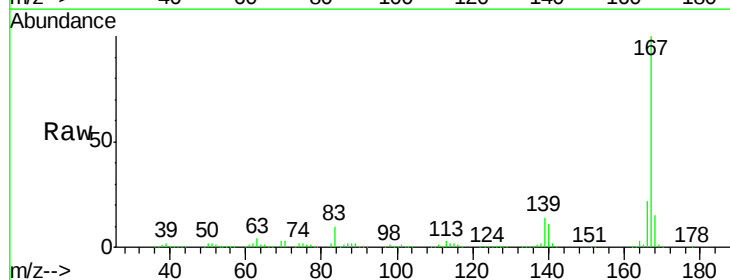
Instrument :  
 BNA\_F  
 ClientSampleId :

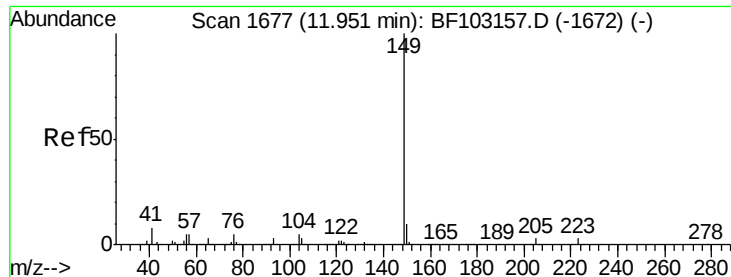
Tot Ion:178 Resp: 1077295  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.4 23.2  
 179 15.4 12.6 19.0



#72  
 Carbazole  
 Concen: 37.553 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:167 Resp: 1079255  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.6 26.4  
 139 14.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.806 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampleId :

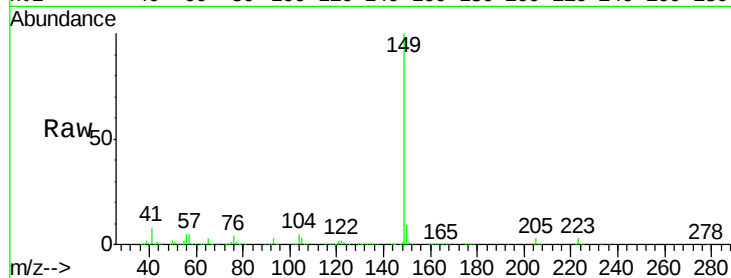
Tot Ion:149 Resp: 1359569

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

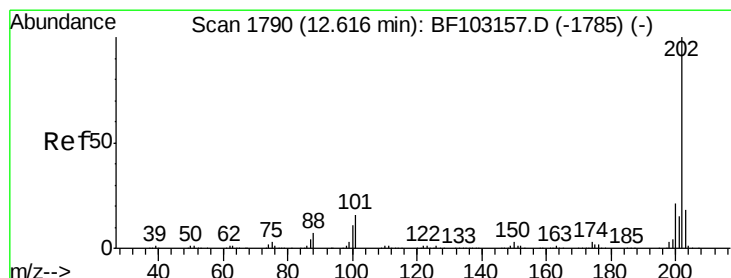
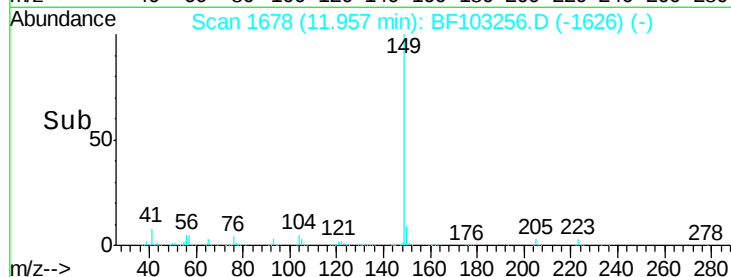
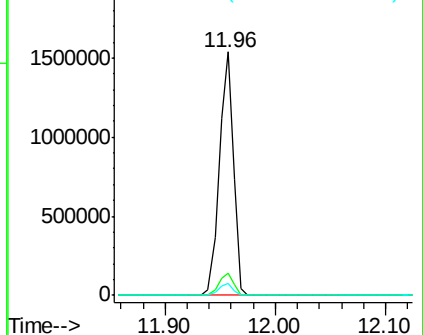
104 4.8 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.054 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

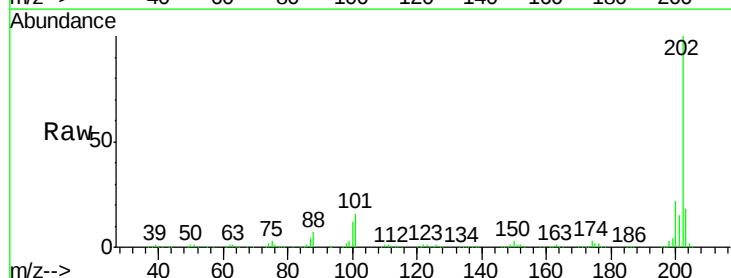
Tgt Ion:202 Resp: 1047932

Ion Ratio Lower Upper

202 100

101 15.8 0.0 34.1

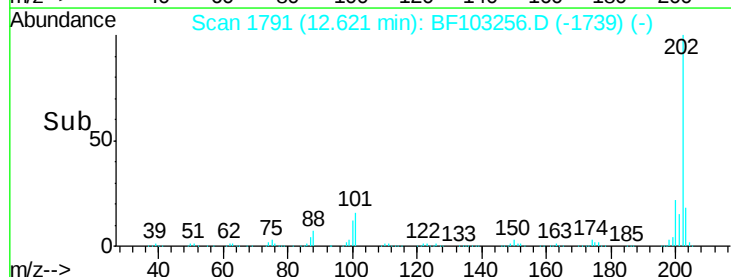
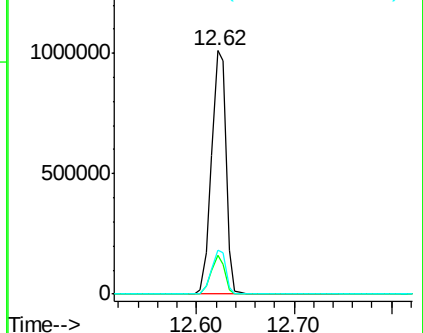
203 17.8 0.0 38.1

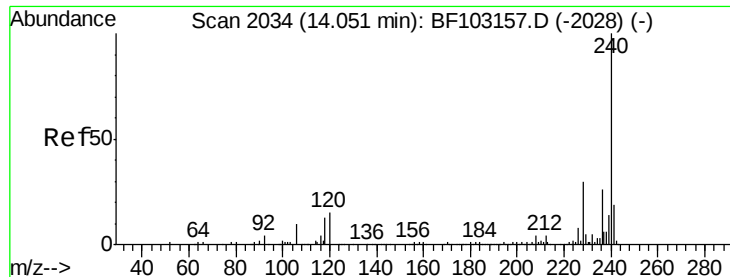


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

Instrument :

BNA\_F

ClientSampled :

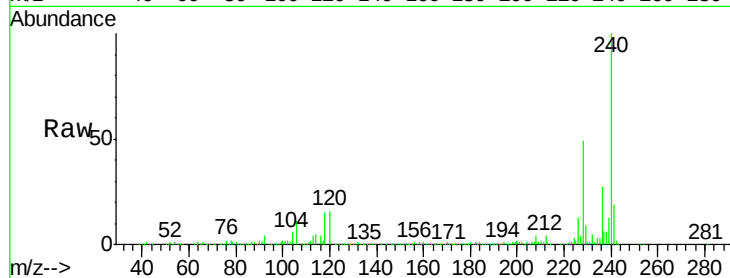
Tot Ion:240 Resp: 341681

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

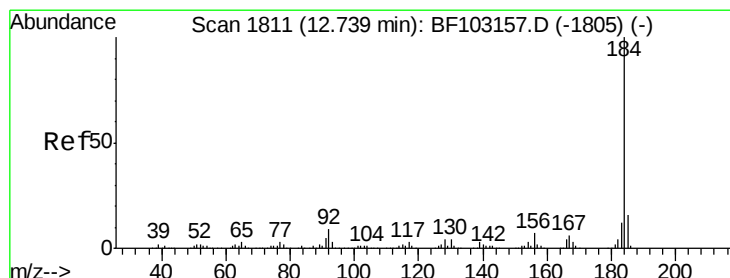
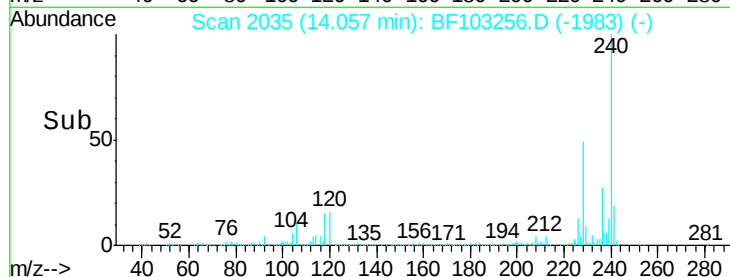
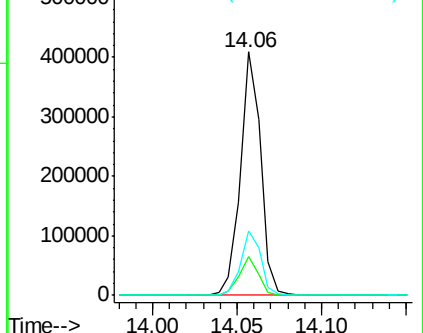
236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 37.896 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF103256.D

Acq: 27 Feb 2018 12:08

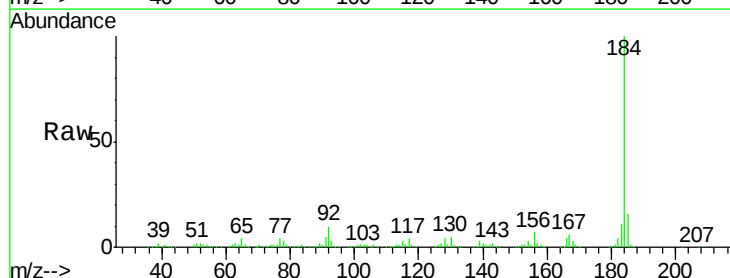
Tgt Ion:184 Resp: 484081

Ion Ratio Lower Upper

184 100

185 15.7 12.6 18.8

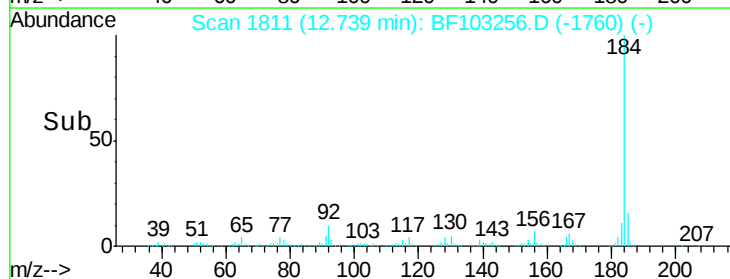
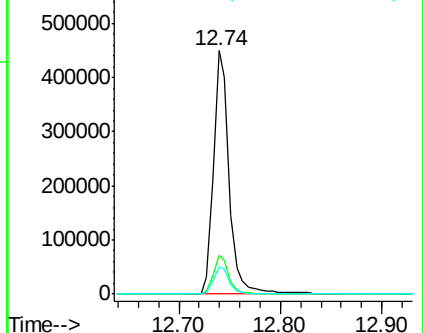
183 11.4 9.3 13.9

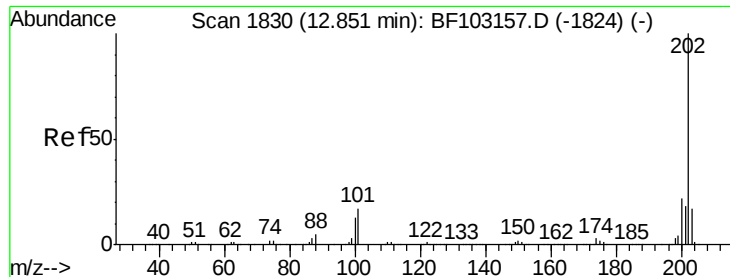


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

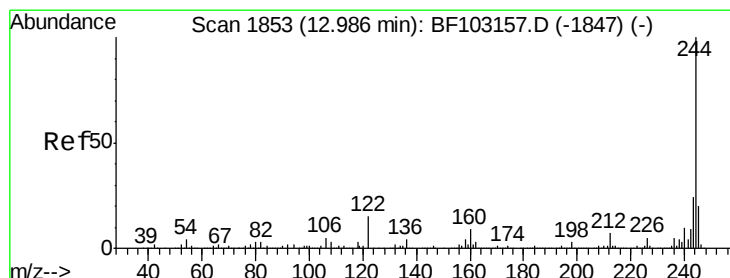
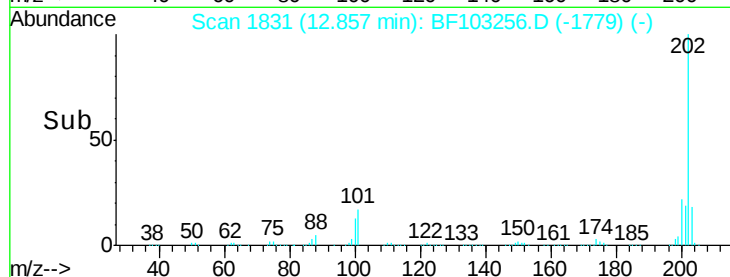
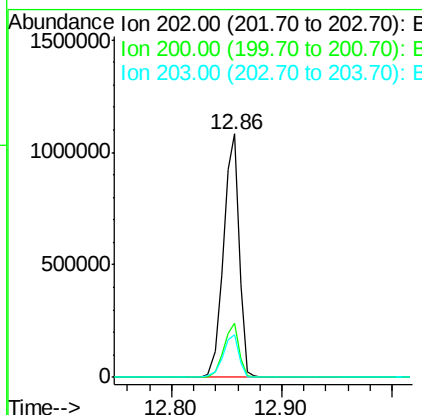
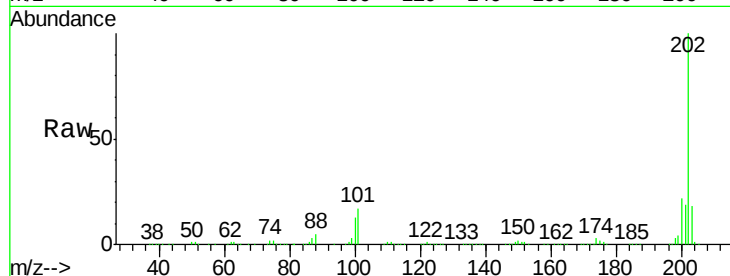




#77  
 Pvrene  
 Concen: 40.360 ng  
 RT: 12.86 min Scan# 1831  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

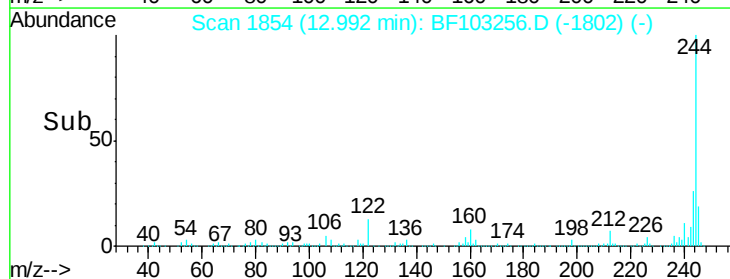
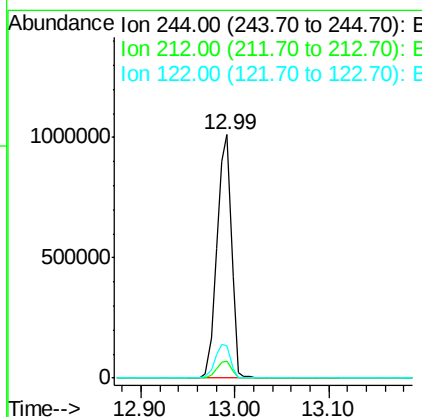
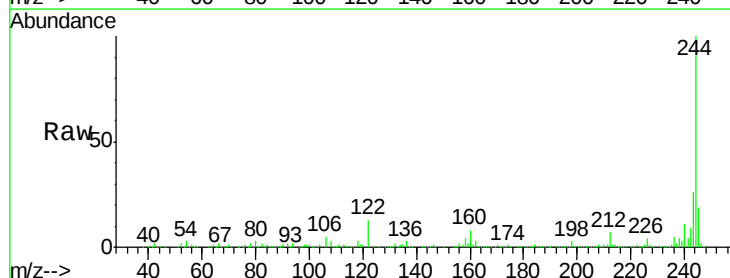
Instrument :  
 BNA\_F  
 ClientSampleId :

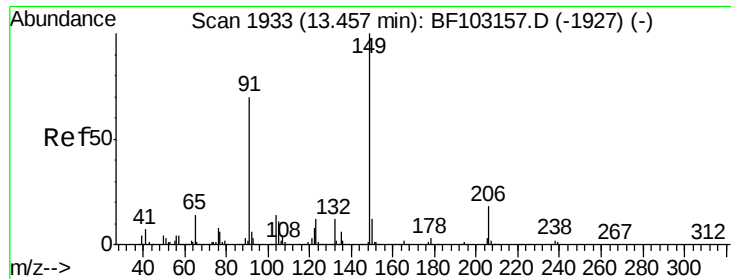
Tot Ion:202 Resp: 1075176  
 Ion Ratio Lower Upper  
 202 100  
 200 22.1 17.4 26.2  
 203 17.7 14.3 21.5



#78  
 Terphenyl-d14  
 Concen: 77.300 ng  
 RT: 12.99 min Scan# 1854  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:244 Resp: 1098727  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.0  
 122 13.3 11.0 16.4

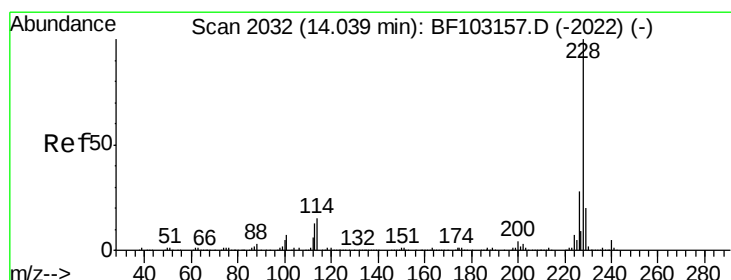
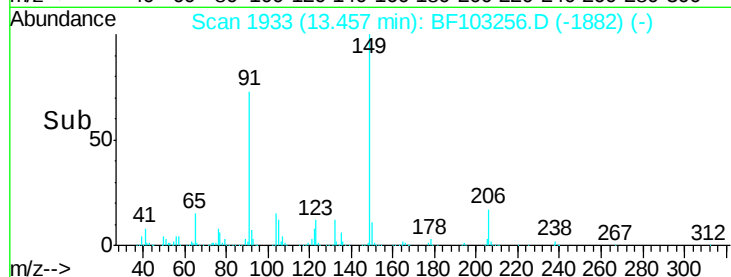
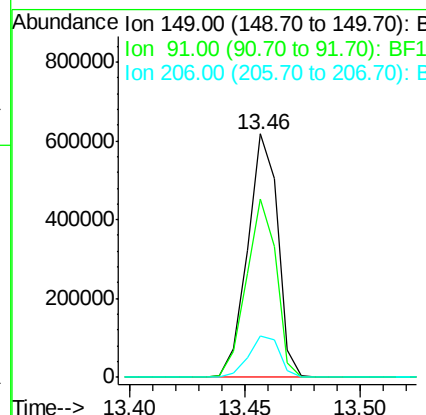
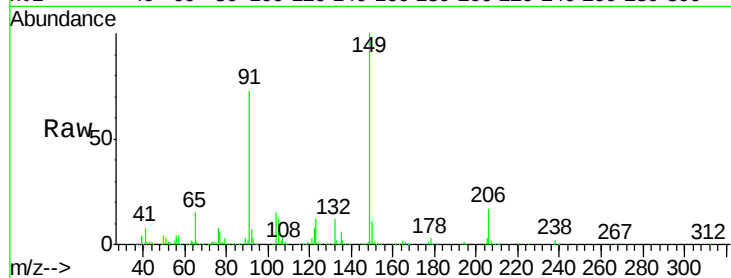




#79  
Butylbenzylphthalate  
Concen: 40.108 ng  
RT: 13.46 min Scan# 1933  
Delta R.T. 0.00 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

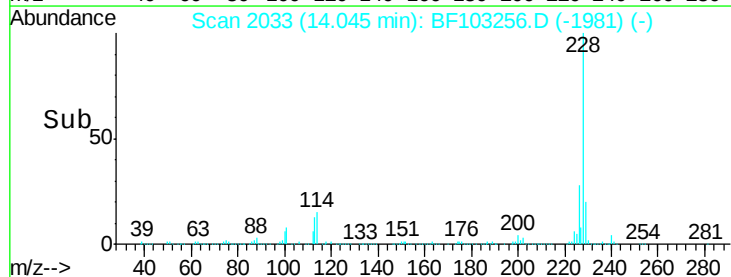
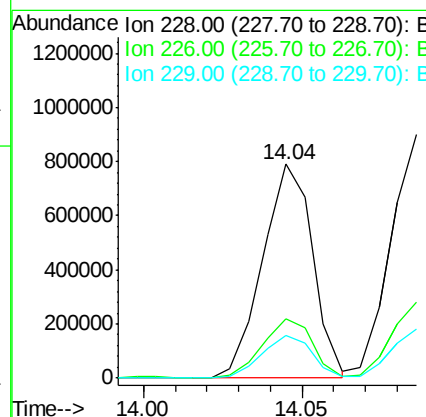
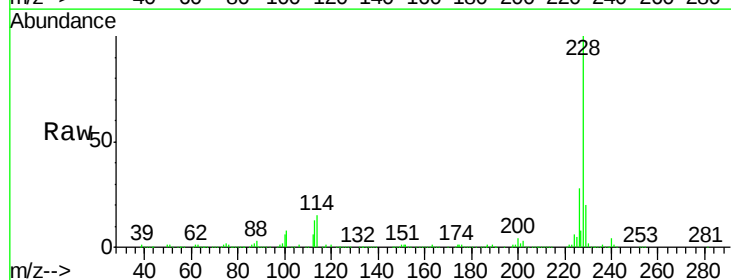
Instrument :  
BNA\_F  
ClientSampleId :

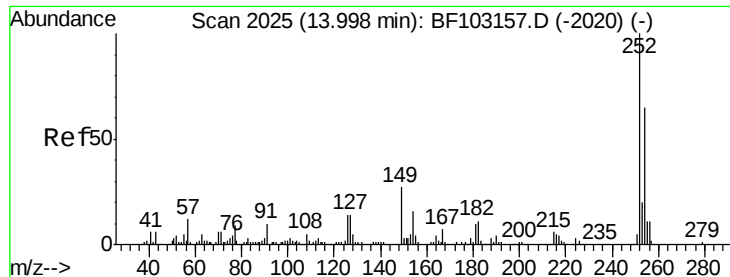
Tot Ion:149 Resp: 564511  
Ion Ratio Lower Upper  
149 100  
91 73.2 56.8 85.2  
206 17.0 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 39.231 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:228 Resp: 869727  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.6 33.8  
229 19.7 15.8 23.6

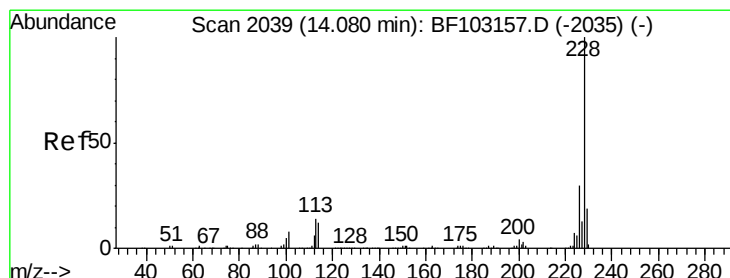
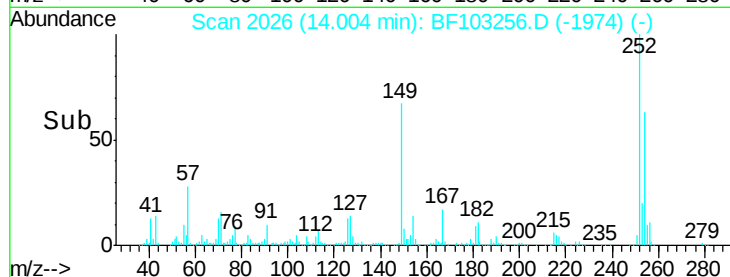
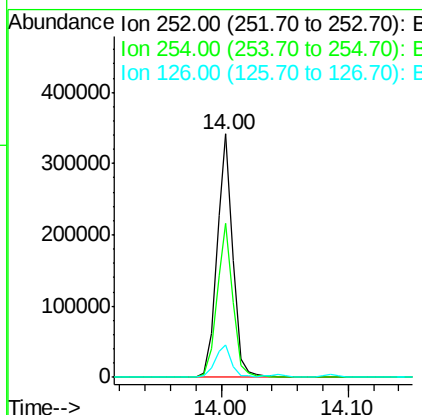
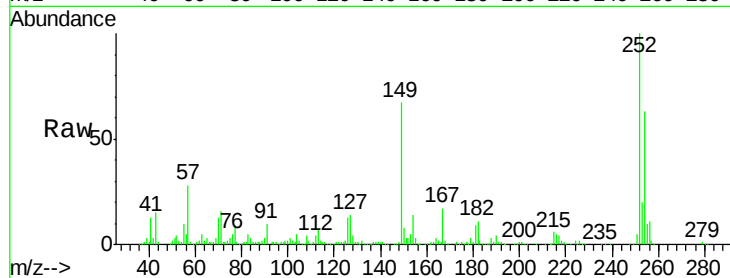




#81  
 3,3'-Dichlorobenzidine  
 Concen: 37.968 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

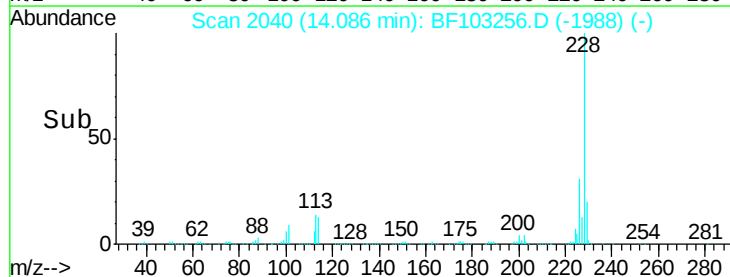
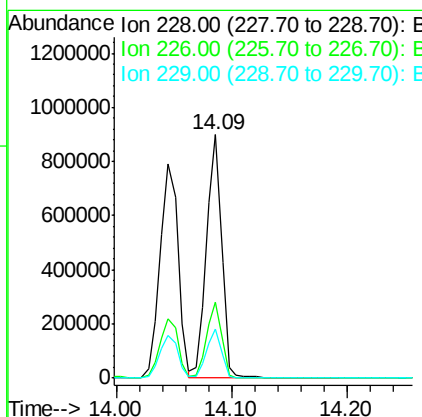
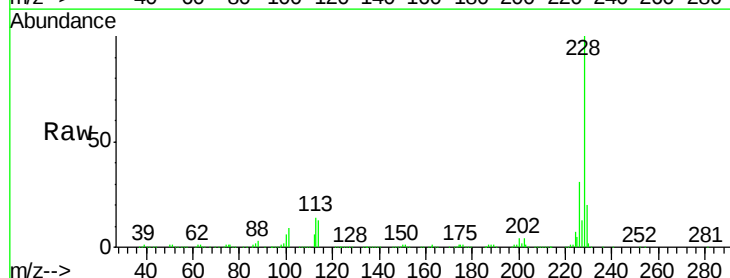
Instrument :  
 BNA\_F  
 ClientSampled :

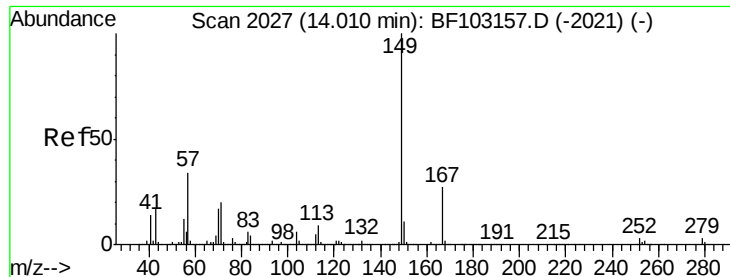
Tot Ion:252 Resp: 300396  
 Ion Ratio Lower Upper  
 252 100  
 254 63.2 50.4 75.6  
 126 13.3 11.3 16.9



#82  
 Chrysene  
 Concen: 38.554 ng  
 RT: 14.09 min Scan# 2040  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:228 Resp: 829909  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 25.0 37.6  
 229 20.1 16.2 24.4

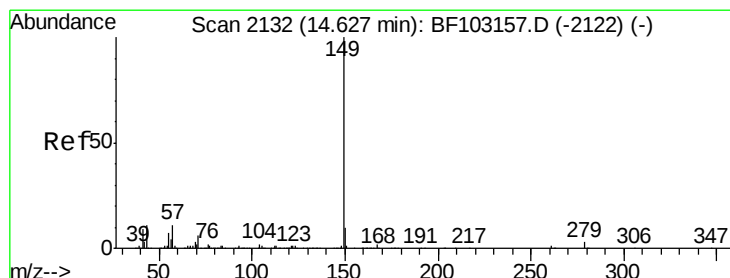
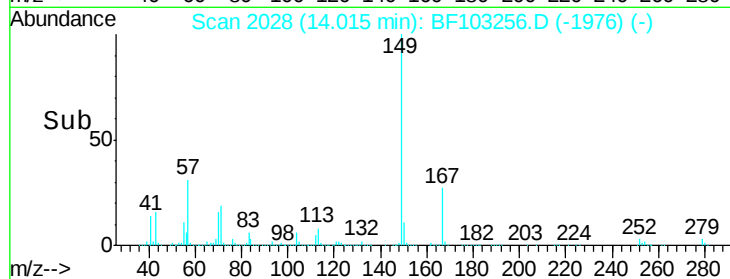
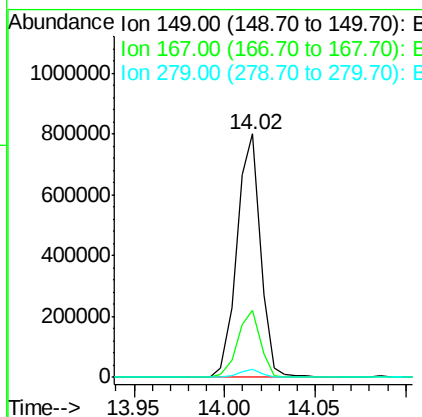
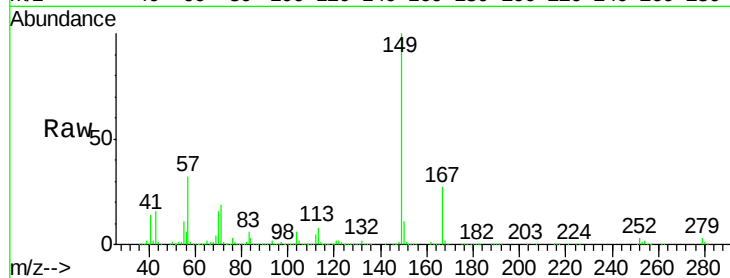




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 38.245 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

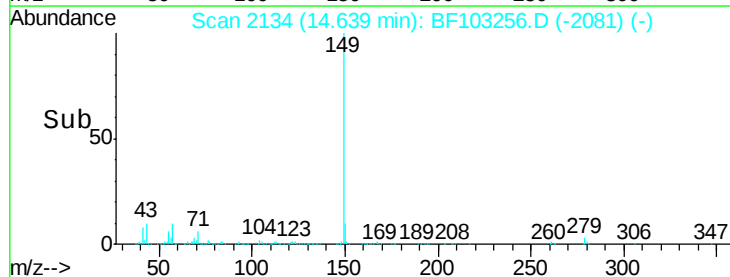
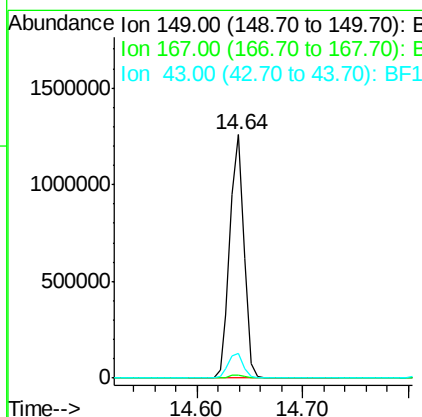
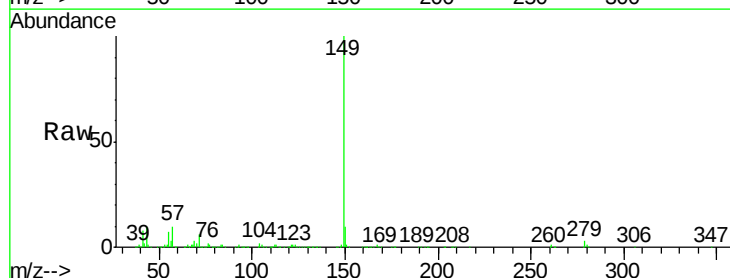
Instrument :  
 BNA\_F  
 ClientSampleId :

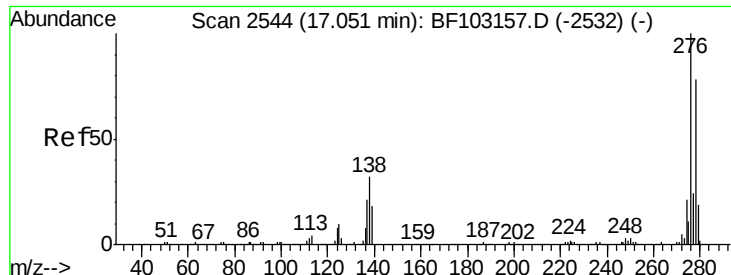
Tot Ion:149 Resp: 726397  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 21.3 31.9  
 279 3.4 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 37.897 ng  
 RT: 14.64 min Scan# 2134  
 Delta R.T. 0.01 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Tgt Ion:149 Resp: 1162950  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 10.7 8.4 12.6

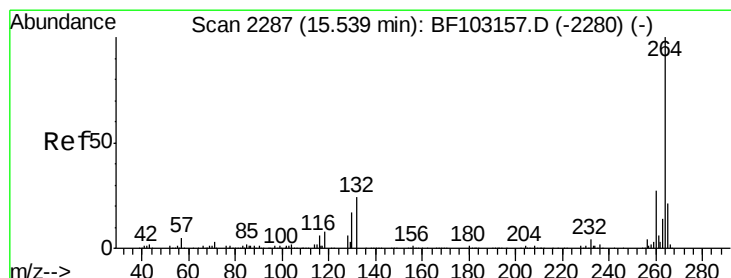
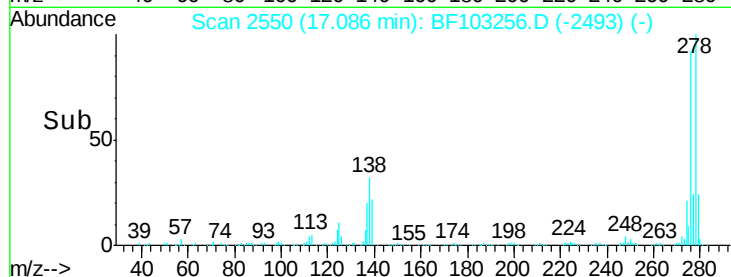
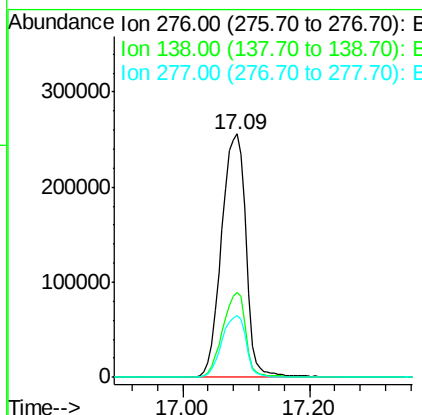
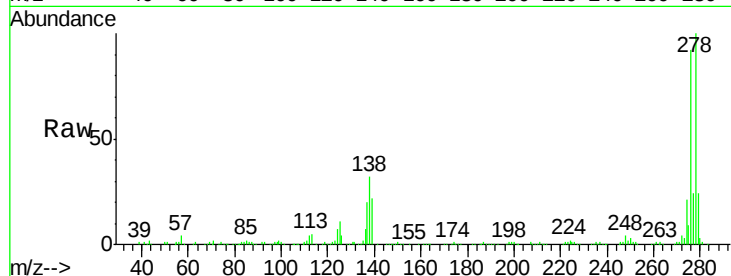




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.170 ng  
 RT: 17.09 min Scan# 2550  
 Delta R.T. 0.04 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

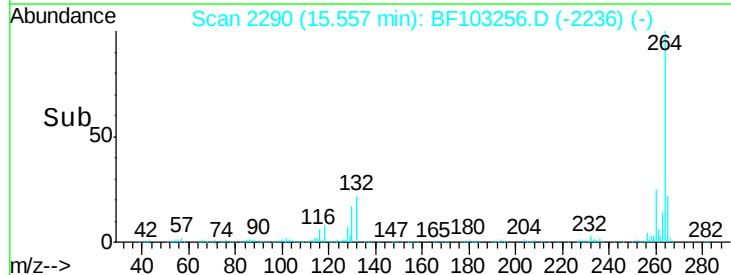
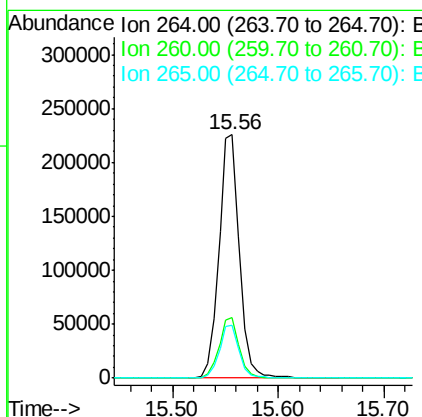
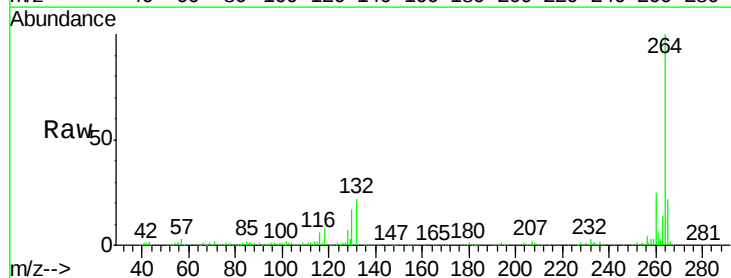
Instrument :  
 BNA\_F  
 ClientSampleId :

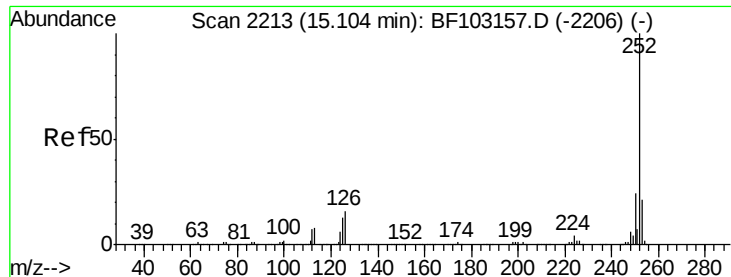
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 32.9  | 25.0  | 37.6  |
| 277     | 25.3  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.56 min Scan# 2290  
 Delta R.T. 0.02 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 21.7  | 17.5  | 26.3  |

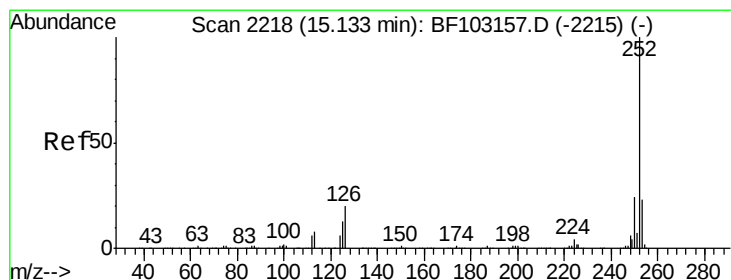
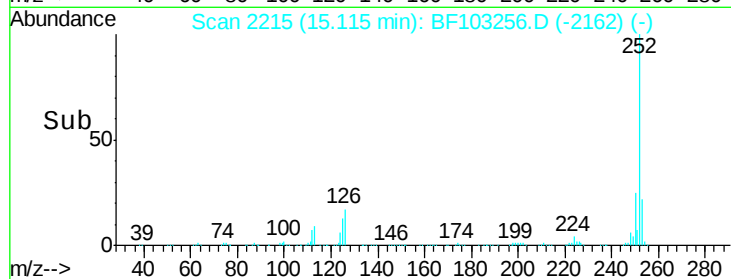
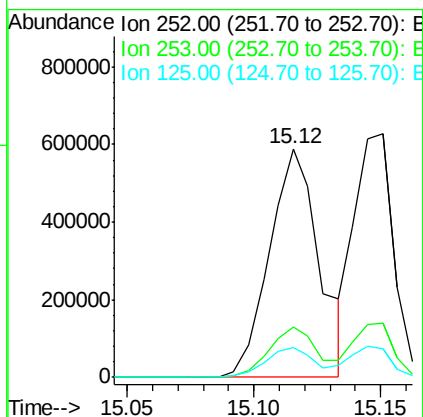
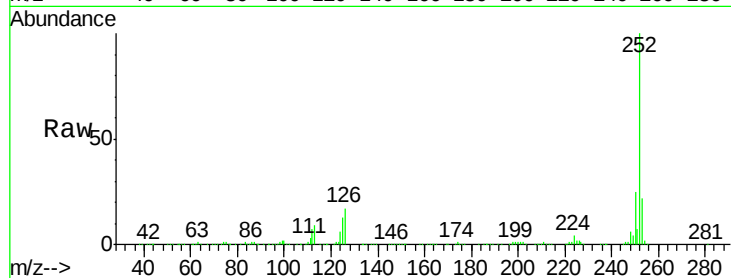




#87  
Benzo(b)fluoranthene  
Concen: 40.351 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. 0.01 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

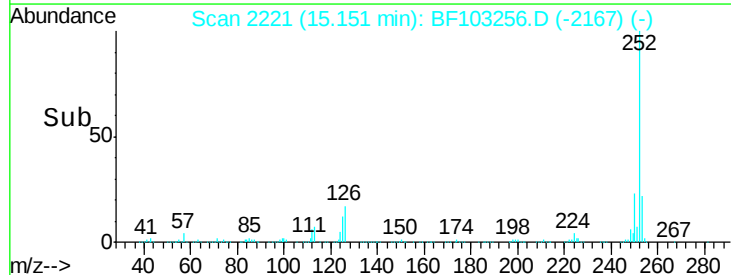
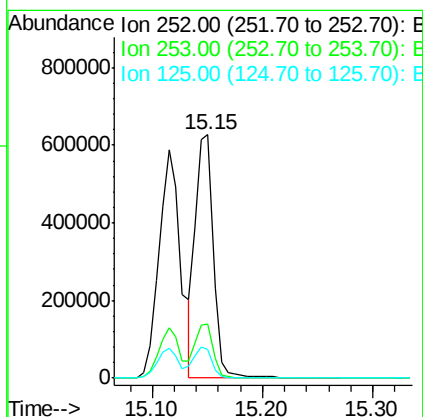
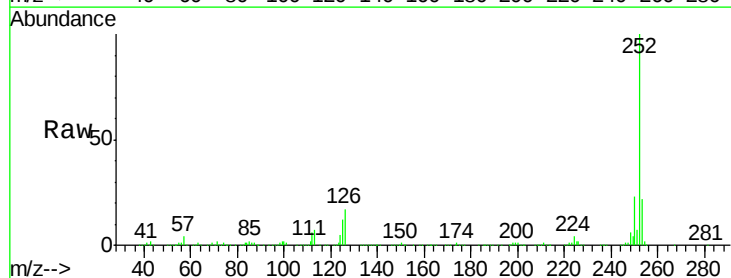
Instrument :  
BNA\_F  
ClientSampleId :

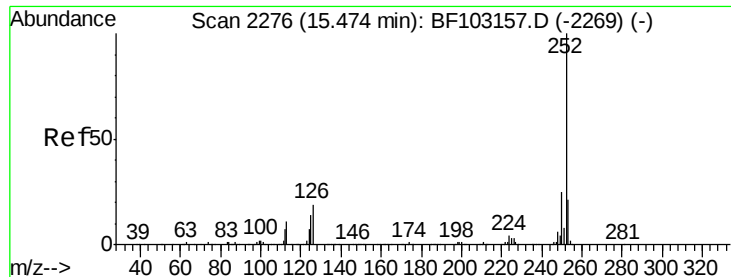
Tot Ion:252 Resp: 809849  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.6  
125 13.1 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 36.486 ng  
RT: 15.15 min Scan# 2221  
Delta R.T. 0.02 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:252 Resp: 689554  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 12.0 10.2 15.2

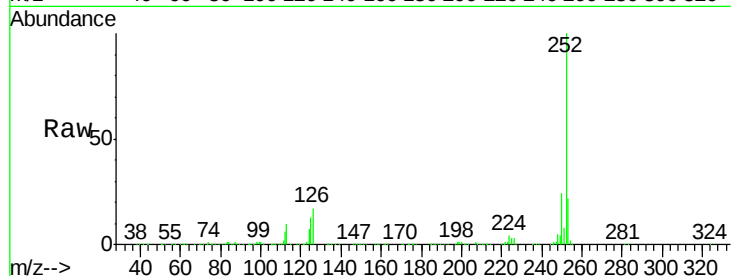




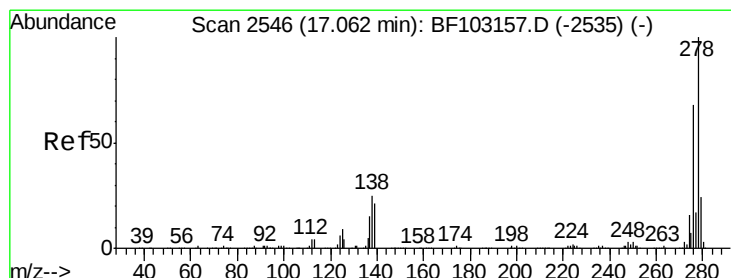
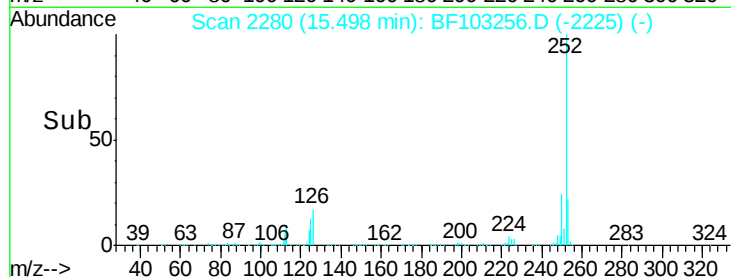
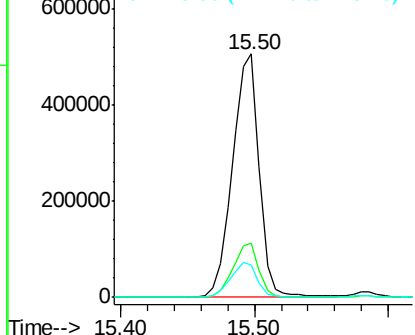
#89  
Benzo(a)pyrene  
Concen: 39.406 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.02 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 706265  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.1 25.7  
125 13.3 9.8 14.6

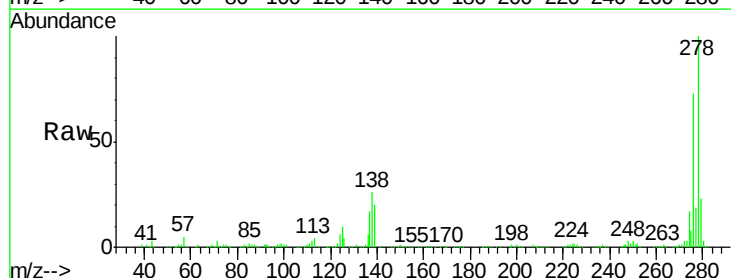


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

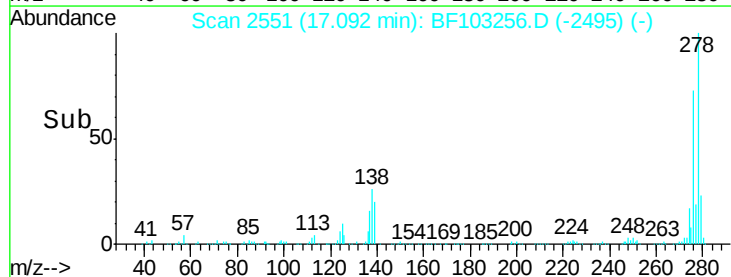
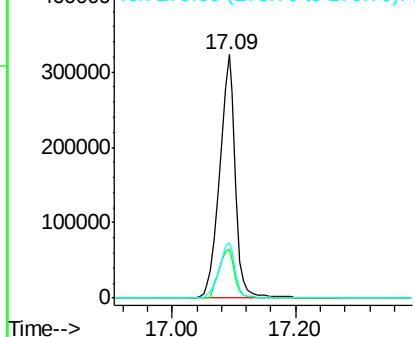


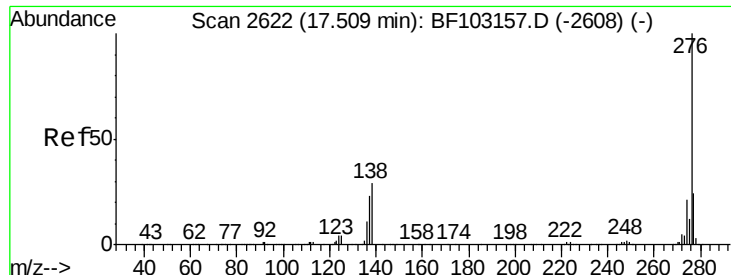
#90  
Dibenzo(a,h)anthracene  
Concen: 41.533 ng  
RT: 17.09 min Scan# 2551  
Delta R.T. 0.03 min  
Lab File: BF103256.D  
Acq: 27 Feb 2018 12:08

Tgt Ion:278 Resp: 575198  
Ion Ratio Lower Upper  
278 100  
139 20.4 15.9 23.9  
279 22.7 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E

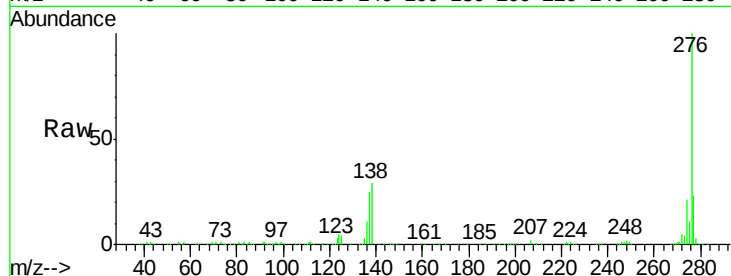




#91  
 Benzo(a,h,i)perylene  
 Concen: 42.579 ng  
 RT: 17.54 min Scan# 2627  
 Delta R.T. 0.03 min  
 Lab File: BF103256.D  
 Acq: 27 Feb 2018 12:08

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.2  | 17.9  | 26.9  |
| 138     | 28.9  | 21.8  | 32.8  |



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

