

Data Path : Z:\HPCHEM1\BNA F\Data\BF102616\  
 Data File : BF090865.D  
 Acq On : 27 Oct 2016 2:41  
 Operator : UM/SJ  
 Sample : PB94297BS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB94297BS

Quant Time: Oct 27 07:34:19 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 16:35:31 2016  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.784  | 152  | 163051   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.076  | 136  | 719664   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10          | 9.836  | 164  | 347680   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 11.311 | 188  | 550032   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12              | 13.951 | 240  | 407459   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.368 | 264  | 327999   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.390  | 112  | 1076629  | 115.45 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.430  | 99   | 1457527  | 115.85 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.356  | 82   | 830498   | 75.55  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 10.625 | 330  | 438137   | 122.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl          | 9.162  | 172  | 1808546  | 91.34  | ng    | -0.01    |
| 78) Terphenyl-d14             | 12.899 | 244  | 1426002  | 88.17  | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.407  | 88   | 176493   | 37.02  | ng    | # 72     |
| 3) Pyridine                   | 3.104  | 79   | 463672   | 35.85  | ng    | # 71     |
| 4) n-Nitrosodimethylamine     | 3.058  | 42   | 179654   | 49.34  | ng    | # 67     |
| 6) Aniline                    | 6.453  | 93   | 248025   | 17.26  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.579  | 128  | 453289   | 39.40  | ng    | 92       |
| 9) Benzaldehyde               | 6.327  | 77   | 87085    | 13.40  | ng    | # 79     |
| 10) Phenol                    | 6.453  | 94   | 476059   | 34.34  | ng    | # 71     |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 460788   | 40.17  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.727  | 146  | 493306   | 41.92  | ng    | # 95     |
| 13) 1,4-Dichlorobenzene       | 6.807  | 146  | 496877   | 40.15  | ng    | # 95     |
| 14) 1,2-Dichlorobenzene       | 6.807  | 146  | 499971   | 42.15  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.933  | 79   | 315159   | 38.14  | ng    | # 78     |
| 16) 2,2'-oxybis(1-Chloropr... | 7.070  | 45   | 422419   | 37.00  | ng    | 58       |
| 17) 2-Methylphenol            | 7.059  | 107  | 365884   | 41.81  | ng    | # 85     |
| 18) Hexachloroethane          | 7.299  | 117  | 175743   | 39.02  | ng    | # 83     |
| 19) n-Nitroso-di-n-propyla... | 7.207  | 70   | 281468   | 38.69  | ng    | # 69     |
| 20) 3+4-Methylphenols         | 7.207  | 107  | 430919   | 42.53  | ng    | # 67     |
| 22) Acetophenone              | 7.196  | 105  | 583009   | 39.38  | ng    | # 83     |
| 24) Nitrobenzene              | 7.379  | 77   | 460203   | 39.58  | ng    | # 81     |
| 25) Isophorone                | 7.619  | 82   | 858530   | 38.48  | ng    | # 94     |
| 26) 2-Nitrophenol             | 7.699  | 139  | 237438   | 38.12  | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 397661   | 39.43  | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 7.836  | 93   | 531433   | 41.88  | ng    | # 95     |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 381801   | 40.89  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.019  | 180  | 432473   | 40.08  | ng    | 96       |
| 31) Naphthalene               | 8.099  | 128  | 1458688  | 43.36  | ng    | 97       |
| 32) Benzoic acid              | 7.882  | 122  | 256447   | 35.02  | ng    | # 77     |
| 33) 4-Chloroaniline           | 8.156  | 127  | 84303    | 6.20   | ng    | # 85     |
| 34) Hexachlorobutadiene       | 8.225  | 225  | 227606   | 35.87  | ng    | 99       |
| 35) Caprolactam               | 8.522  | 113  | 91424    | 31.54  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.648  | 107  | 398187   | 39.21  | ng    | 89       |
| 37) 2-Methylnaphthalene       | 8.796  | 142  | 834857   | 38.42  | ng    | # 93     |
| 39) 1,2,4,5-Tetrachloroben... | 8.956  | 216  | 389271   | 40.81  | ng    | 99       |

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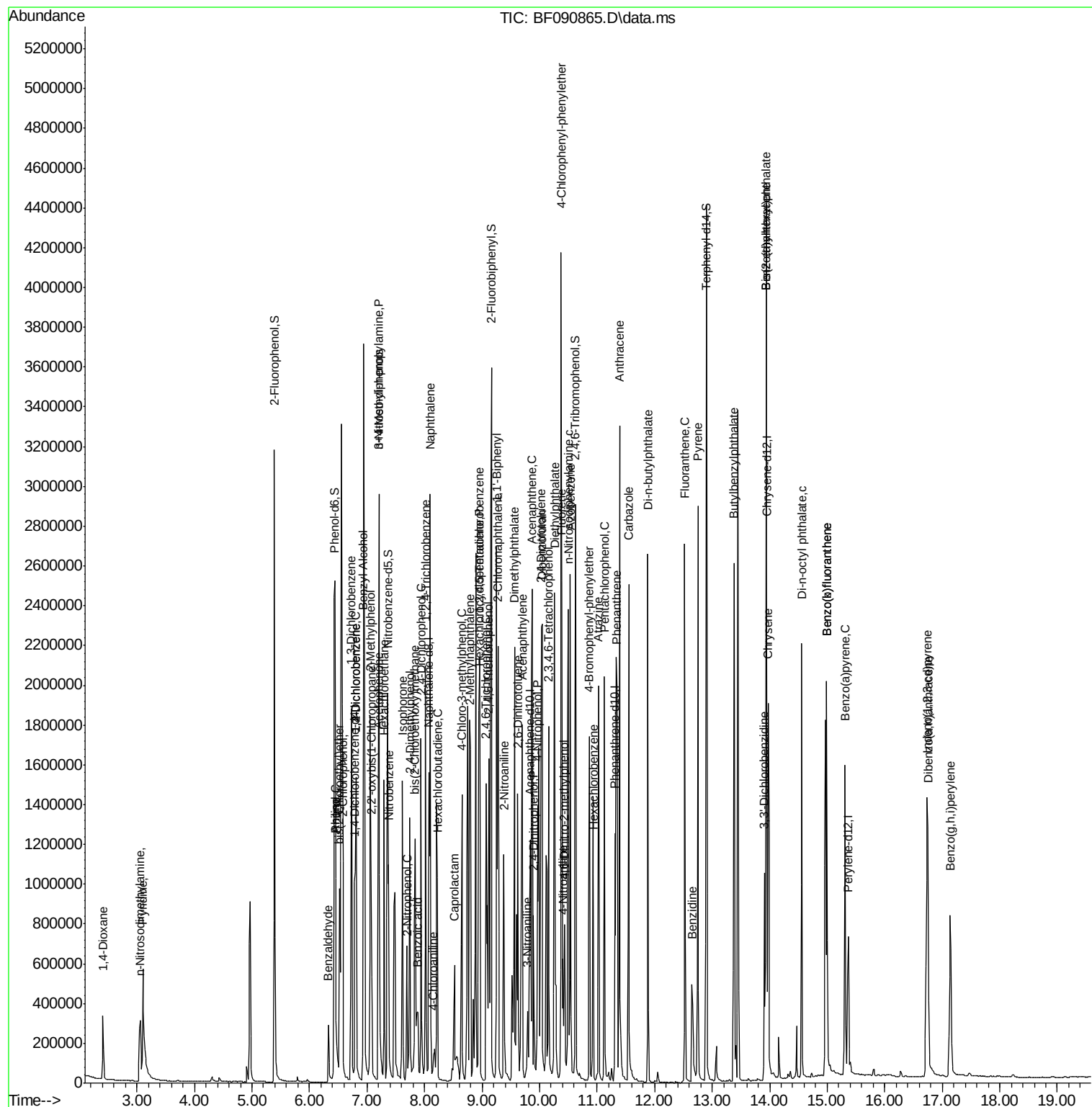
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 40) Hexachlorocyclopentadiene | 8.945  | 237  | 274521   | 62.56 | nq    | 98       |
| 42) 2,4,6-Trichlorophenol     | 9.070  | 196  | 245039   | 39.79 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol     | 9.116  | 196  | 269210   | 42.45 | nq #  | 94       |
| 45) 1,1'-Biphenyl             | 9.253  | 154  | 997390   | 39.83 | nq    | 93       |
| 46) 2-Chloronaphthalene       | 9.276  | 162  | 779504   | 40.92 | nq #  | 91       |
| 47) 2-Nitroaniline            | 9.379  | 65   | 228818   | 42.57 | nq    | 84       |
| 48) Acenaphthylene            | 9.699  | 152  | 1231034  | 42.68 | nq    | 97       |
| 49) Dimethylphthalate         | 9.562  | 163  | 967688   | 41.66 | nq #  | 98       |
| 50) 2,6-Dinitrotoluene        | 9.619  | 165  | 198581   | 38.71 | nq #  | 60       |
| 51) Acenaphthene              | 9.870  | 154  | 891591   | 44.88 | nq    | 90       |
| 52) 3-Nitroaniline            | 9.790  | 138  | 89973    | 16.47 | nq #  | 75       |
| 53) 2,4-Dinitrophenol         | 9.893  | 184  | 131548   | 48.71 | nq #  | 36       |
| 54) Dibenzofuran              | 10.042 | 168  | 1179400  | 46.00 | nq #  | 92       |
| 55) 4-Nitrophenol             | 9.962  | 139  | 276004   | 82.87 | nq #  | 45       |
| 56) 2,4-Dinitrotoluene        | 10.031 | 165  | 300796   | 47.20 | nq #  | 96       |
| 57) Fluorene                  | 10.385 | 166  | 933818   | 44.47 | nq    | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 10.156 | 232  | 220012   | 38.85 | nq    | 94       |
| 59) Diethylphthalate          | 10.259 | 149  | 975069   | 42.26 | nq    | 97       |
| 60) 4-Chlorophenyl-phenyle... | 10.373 | 204  | 448928   | 43.80 | nq #  | 88       |
| 61) 4-Nitroaniline            | 10.408 | 138  | 191855   | 35.47 | nq #  | 58       |
| 62) Azobenzene                | 10.533 | 77   | 1090286  | 48.05 | nq    | 87       |
| 64) 4,6-Dinitro-2-methylph... | 10.431 | 198  | 93290    | 25.58 | nq    | 92       |
| 65) n-Nitrosodiphenylamine    | 10.499 | 169  | 813592   | 48.29 | nq    | 91       |
| 66) 4-Bromophenyl-phenylether | 10.865 | 248  | 277945   | 46.15 | nq #  | 91       |
| 67) Hexachlorobenzene         | 10.933 | 284  | 290835   | 40.80 | nq #  | 75       |
| 68) Atrazine                  | 11.025 | 200  | 227367   | 43.62 | nq    | 86       |
| 69) Pentachlorophenol         | 11.128 | 266  | 332942   | 87.06 | nq    | 97       |
| 70) Phenanthrene              | 11.345 | 178  | 1237419  | 44.18 | nq    | 97       |
| 71) Anthracene                | 11.391 | 178  | 1275409  | 43.24 | nq    | 96       |
| 72) Carbazole                 | 11.551 | 167  | 1162487  | 44.63 | nq    | 95       |
| 73) Di-n-butylphthalate       | 11.882 | 149  | 1351851  | 40.26 | nq #  | 97       |
| 74) Fluoranthene              | 12.522 | 202  | 1100079  | 35.86 | nq    | 97       |
| 76) Benzidine                 | 12.648 | 184  | 385175   | 43.29 | nq    | 98       |
| 77) Pyrene                    | 12.751 | 202  | 1076586  | 41.75 | nq    | 95       |
| 79) Butylbenzylphthalate      | 13.379 | 149  | 598097   | 51.12 | nq    | 90       |
| 80) Benzo(a)anthracene        | 13.939 | 228  | 929785   | 43.00 | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine    | 13.905 | 252  | 267769   | 31.90 | nq #  | 97       |
| 82) Chrysene                  | 13.974 | 228  | 906805   | 41.46 | nq    | 95       |
| 83) Bis(2-ethylhexyl)phtha... | 13.939 | 149  | 734549   | 48.21 | nq #  | 93       |
| 84) Di-n-octyl phthalate      | 14.557 | 149  | 1248476  | 48.80 | nq #  | 86       |
| 85) Indeno(1,2,3-cd)pyrene    | 16.740 | 276  | 853671   | 44.04 | nq #  | 91       |
| 87) Benzo(b)fluoranthene      | 14.991 | 252  | 1731334  | 78.50 | nq #  | 91       |
| 88) Benzo(k)fluoranthene      | 14.991 | 252  | 1733921  | 99.48 | nq #  | 92       |
| 89) Benzo(a)pyrene            | 15.311 | 252  | 815602   | 43.04 | nq #  | 88       |
| 90) Dibenzo(a,h)anthracene    | 16.751 | 278  | 728239   | 45.39 | nq #  | 81       |
| 91) Benzo(g,h,i)perylene      | 17.140 | 276  | 630529   | 41.73 | nq #  | 84       |

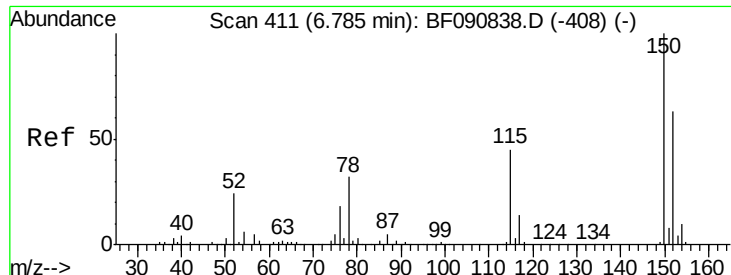
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.784 min Scan# 41

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

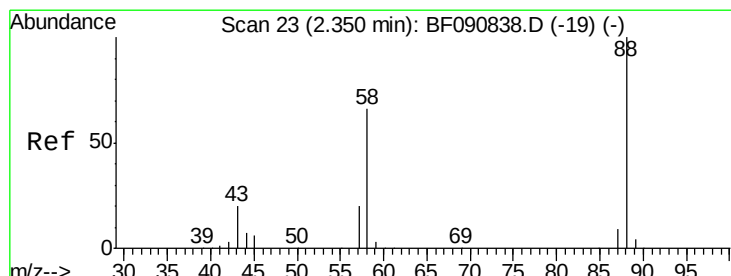
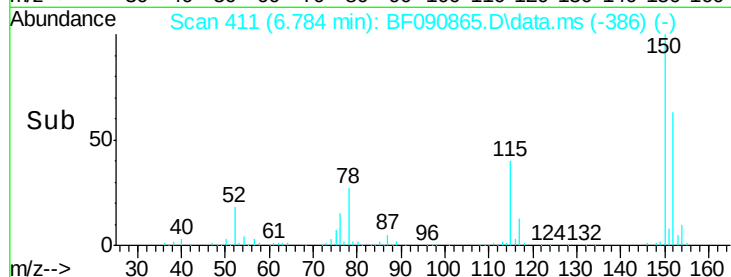
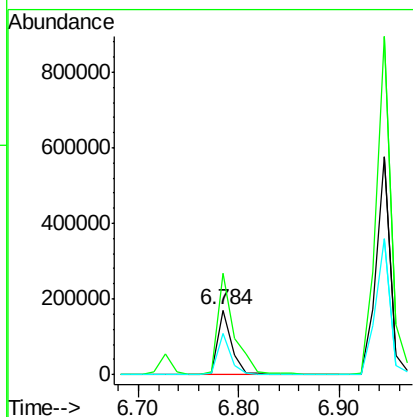
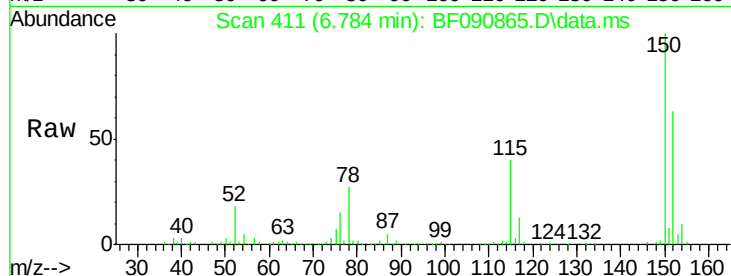
Tot Ion:152 Resp: 163051

Ion Ratio Lower Upper

152 100

150 157.7 124.7 187.1

115 63.3 39.0 58.4#



#2

1,4-Dioxane

Concen: 37.02 ng

RT: 2.407 min Scan# 28

Delta R.T. 0.057 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

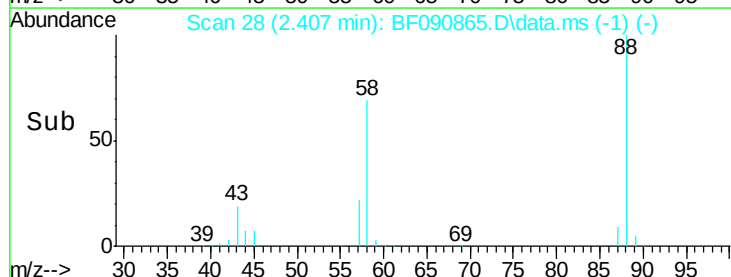
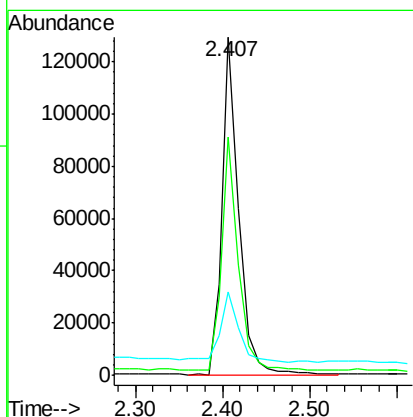
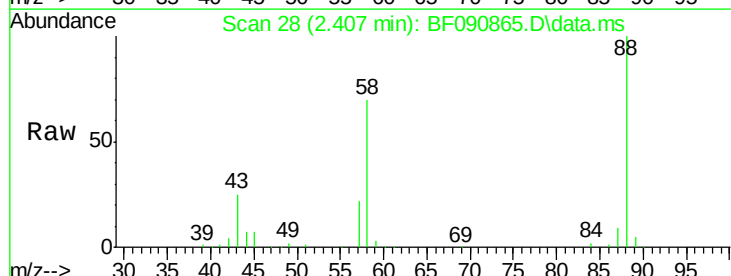
Tgt Ion: 88 Resp: 176493

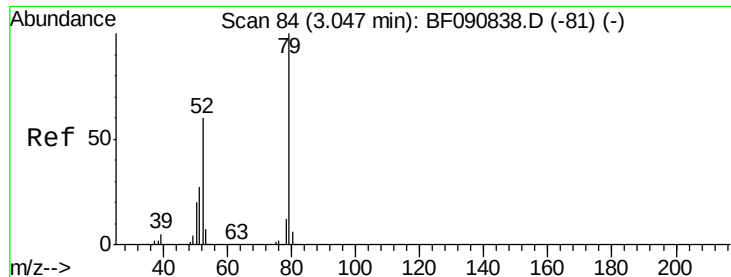
Ion Ratio Lower Upper

88 100

58 67.1 77.7 116.5#

43 22.4 26.6 40.0#





#3

Pvridine

Concen: 35.85 ng

RT: 3.104 min Scan# 89

Delta R.T. 0.046 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

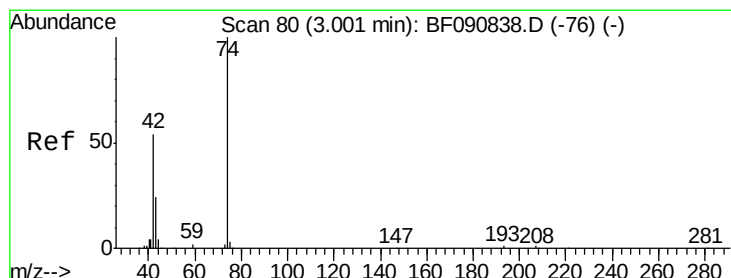
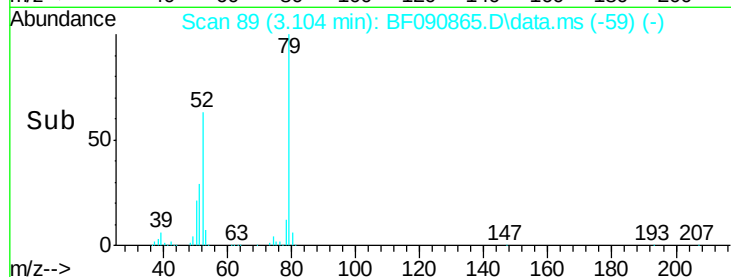
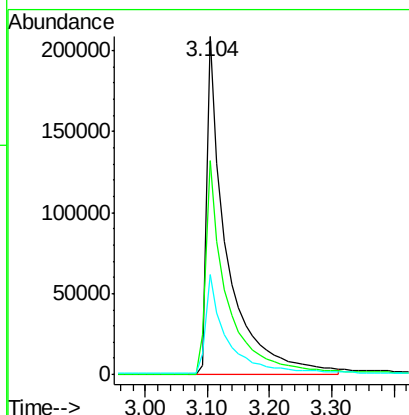
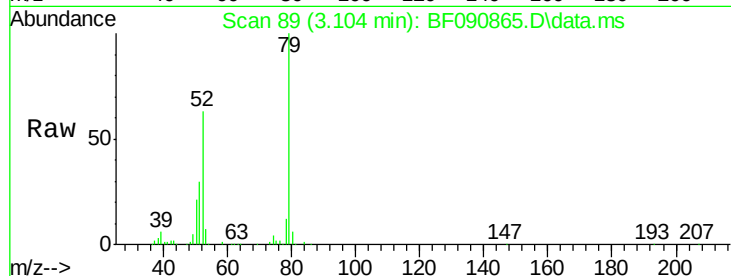
Tot Ion: 79 Resp: 463672

Ion Ratio Lower Upper

79 100

52 63.4 76.8 115.2#

51 29.6 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 49.34 ng

RT: 3.058 min Scan# 85

Delta R.T. 0.046 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

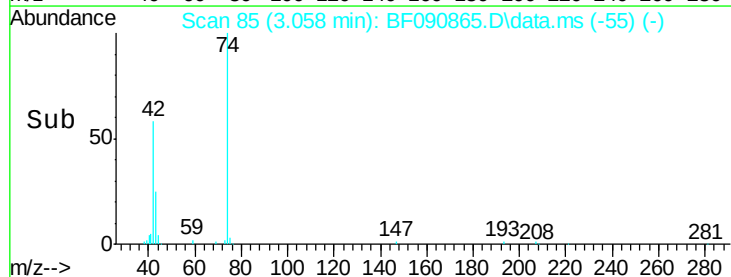
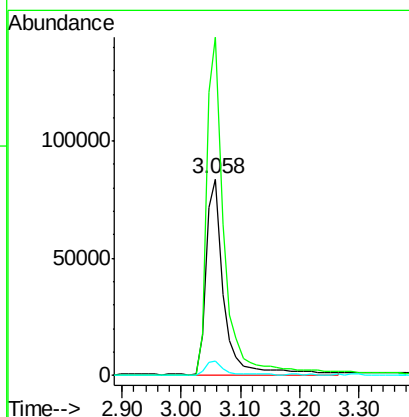
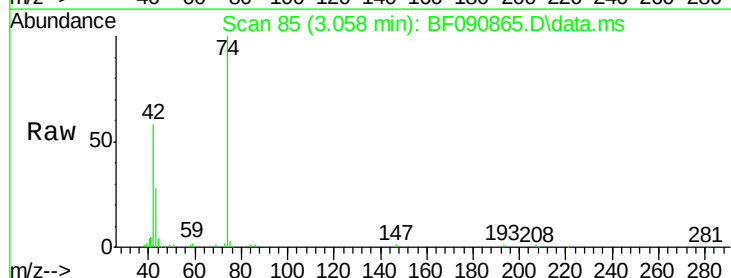
Tgt Ion: 42 Resp: 179654

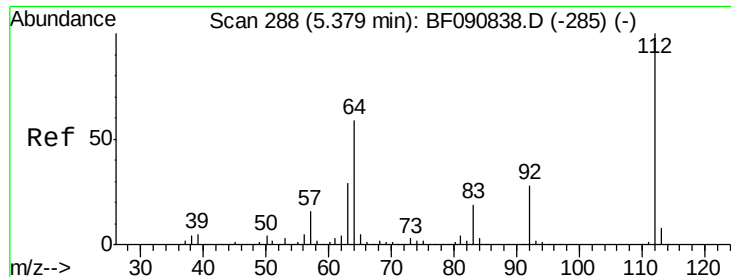
Ion Ratio Lower Upper

42 100

74 172.1 105.0 157.6#

44 7.4 6.6 10.0

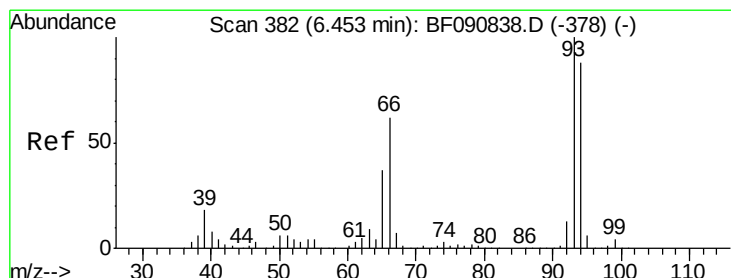
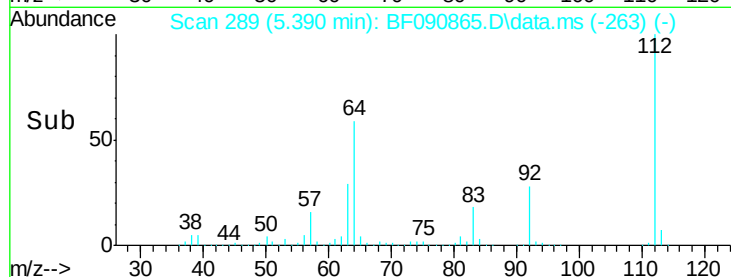
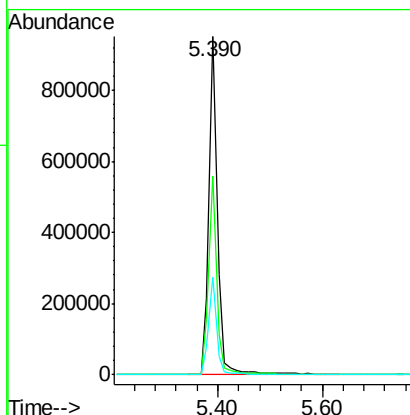
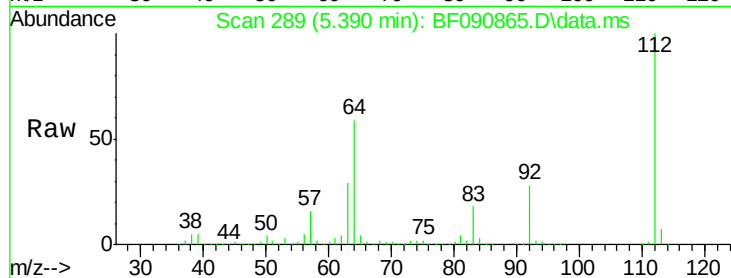




#5  
2-Fluorophenol  
Concen: 115.45 ng  
RT: 5.390 min Scan# 288  
Delta R.T. 0.000 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

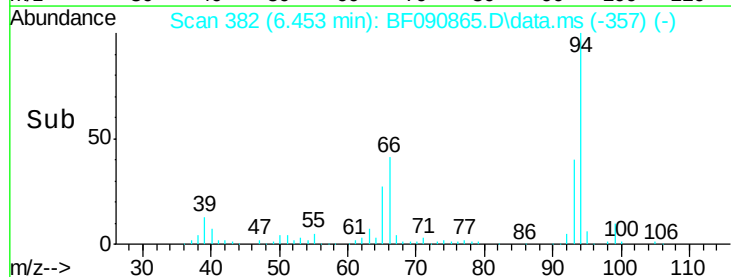
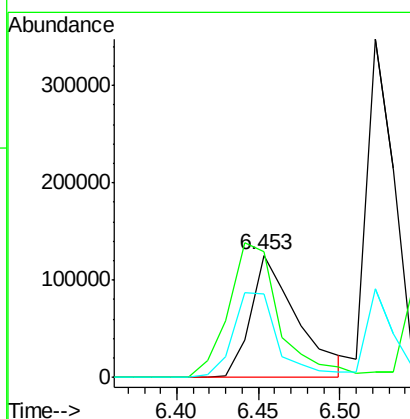
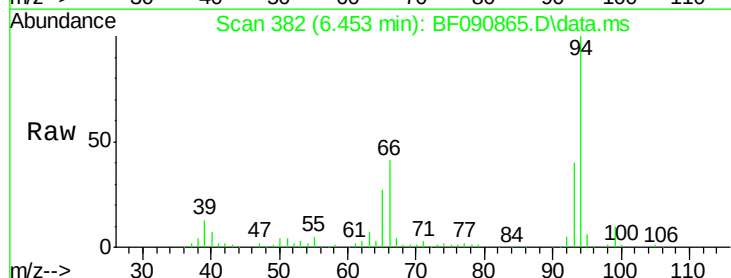
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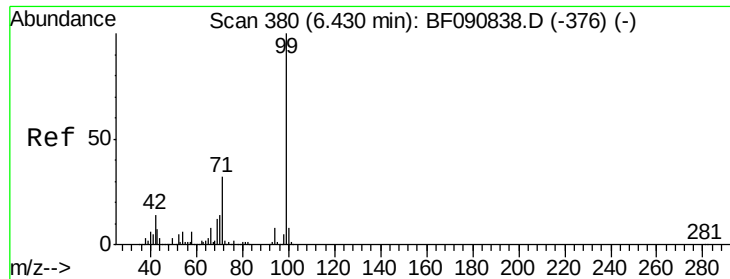
Tot Ion:112 Resp: 1076629  
Ion Ratio Lower Upper  
112 100  
64 58.8 39.7 59.5  
63 28.9 17.4 26.0#



#6  
Aniline  
Concen: 17.26 ng  
RT: 6.453 min Scan# 382  
Delta R.T. -0.011 min  
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Tgt Ion: 93 Resp: 248025  
Ion Ratio Lower Upper  
93 100  
66 103.1 27.2 40.8#  
65 67.9 14.7 22.1#





#7

Phenol-d6

Concen: 115.85 ng

RT: 6.430 min Scan# 380

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

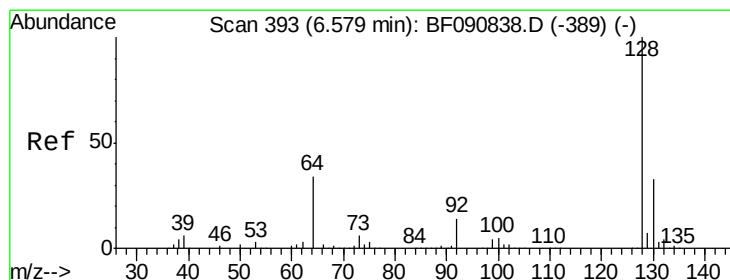
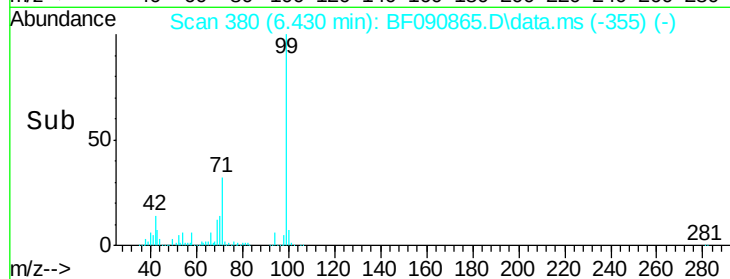
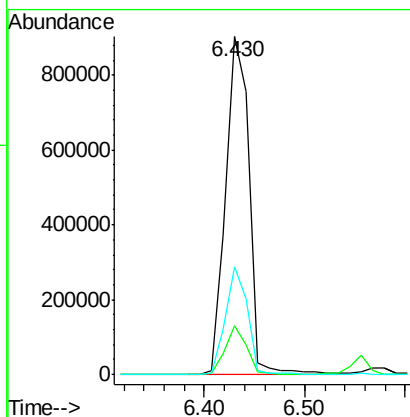
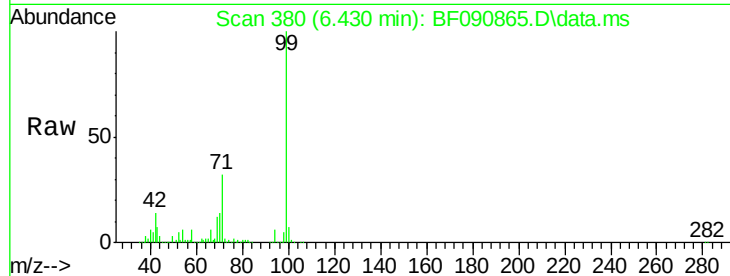
BNA\_F

ClientSampleId :

PB94297BS

Tot Ion: 99 Resp: 1457527

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.2  | 13.7  | 20.5  |
| 71  | 31.9  | 14.2  | 21.2# |



#8

2-Chlorophenol

Concen: 39.40 ng

RT: 6.579 min Scan# 393

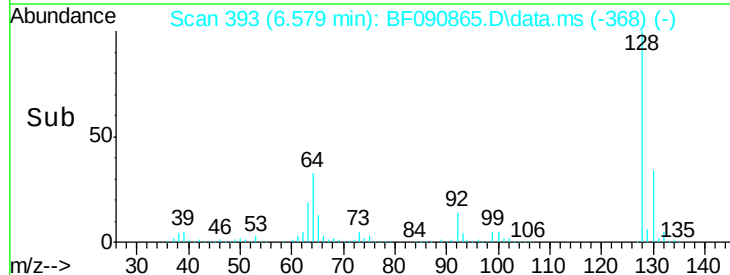
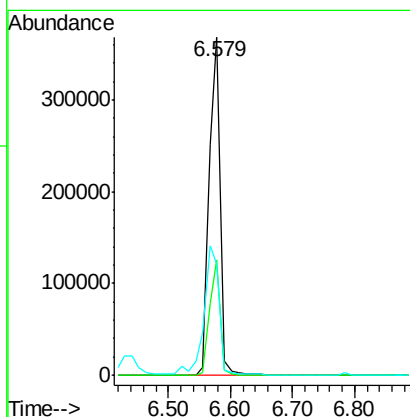
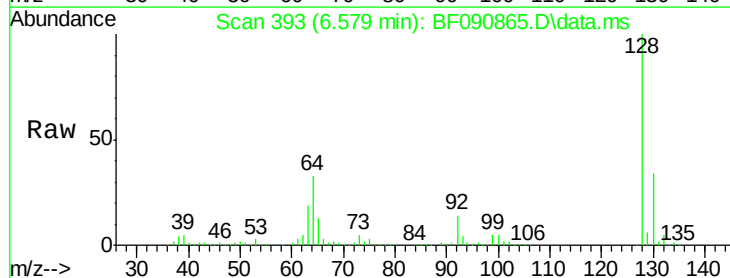
Delta R.T. -0.011 min

Lab File: BF090865.D

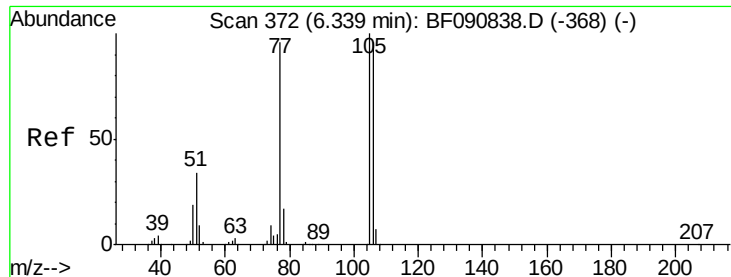
Acq: 27 Oct 2016 2:41

Tgt Ion: 128 Resp: 453289

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.2  | 12.2  | 52.2  |
| 64  | 32.9  | 20.5  | 60.5  |







#9

Benzaldehyde

Concen: 13.40 ng

RT: 6.327 min Scan# 371

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

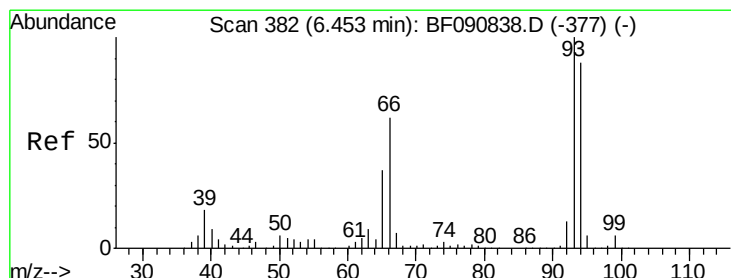
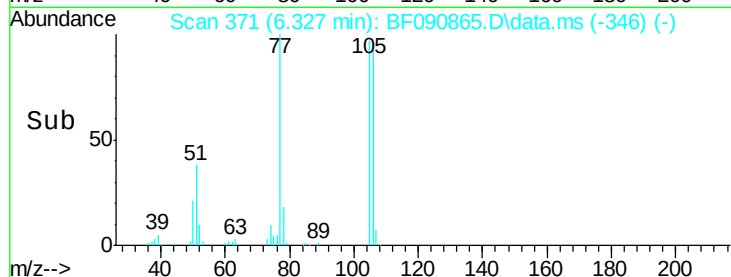
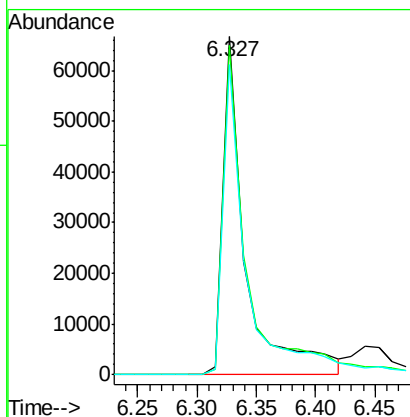
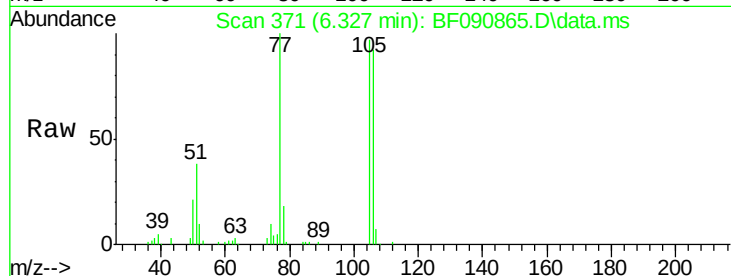
Tot Ion: 77 Resp: 87085

Ion Ratio Lower Upper

77 100

105 97.4 91.6 131.6

106 91.7 102.6 142.6#



#10

Phenol

Concen: 34.34 ng

RT: 6.453 min Scan# 382

Delta R.T. -0.000 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

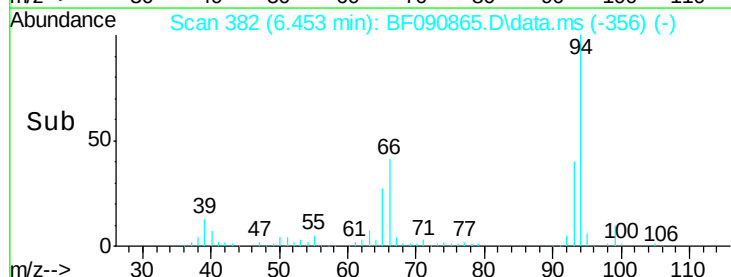
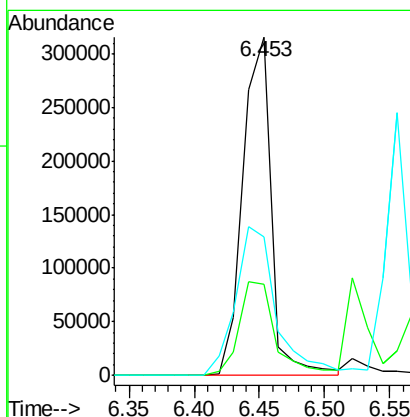
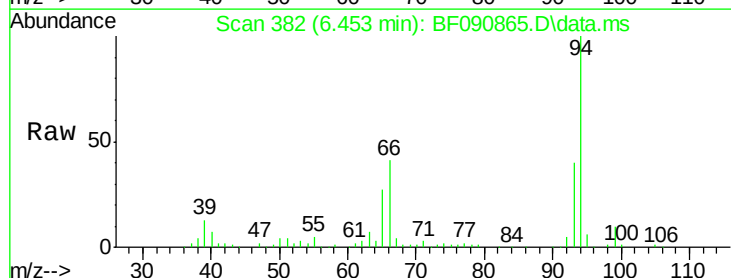
Tgt Ion: 94 Resp: 476059

Ion Ratio Lower Upper

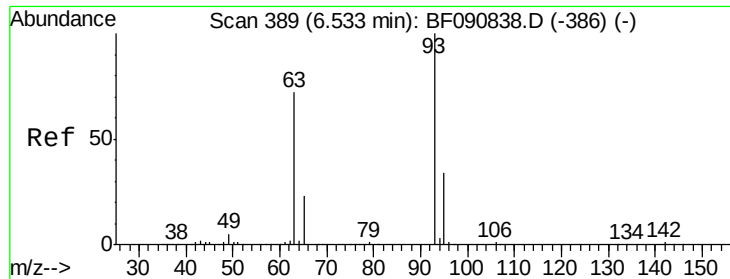
94 100

65 27.1 0.7 40.7

66 41.1 0.8 40.8#



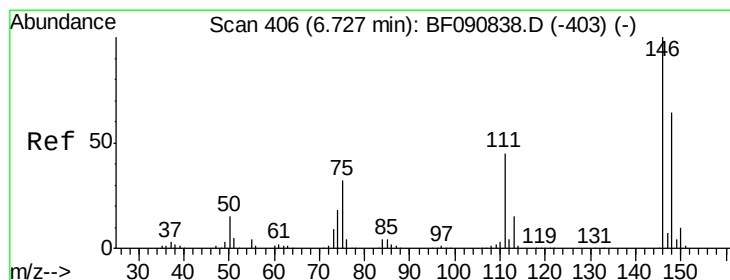
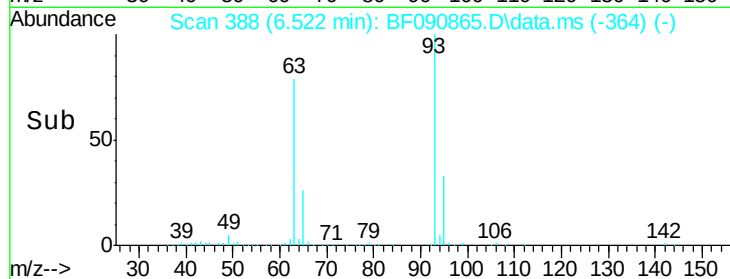
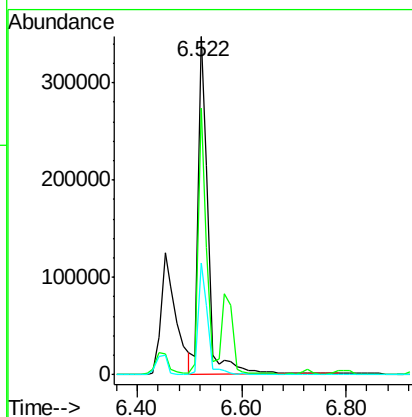
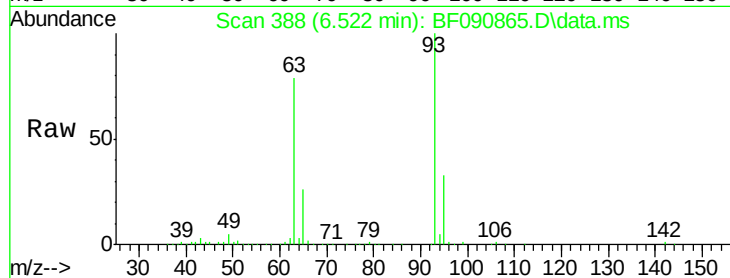




#11  
bis(2-Chloroethyl)ether  
Concen: 40.17 ng  
RT: 6.522 min Scan# 38  
Delta R.T. -0.023 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

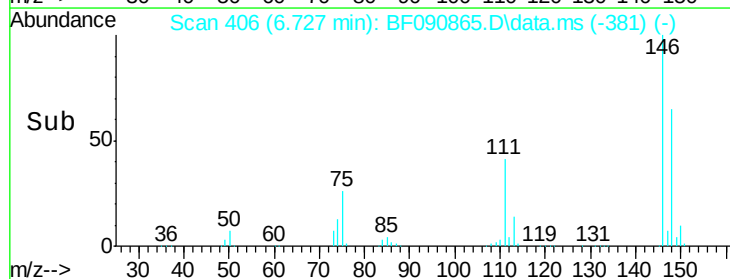
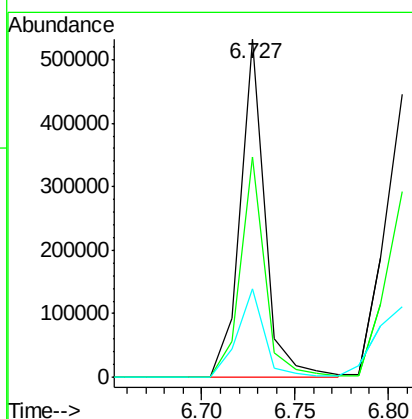
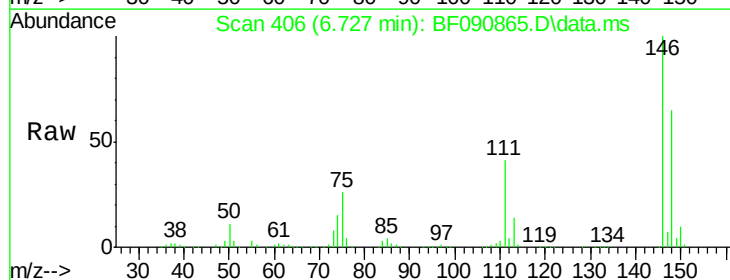
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

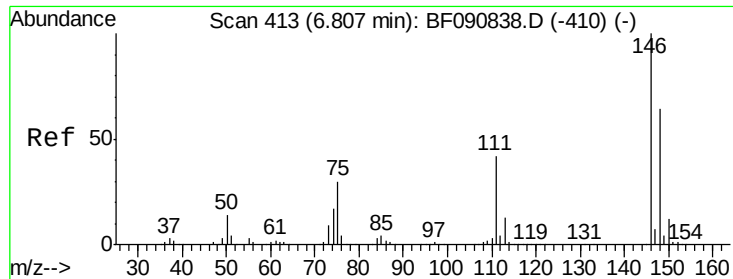
Tot Ion: 93 Resp: 460788  
Ion Ratio Lower Upper  
93 100  
63 78.8 65.6 105.6  
95 33.0 13.6 53.6



#12  
1,3-Dichlorobenzene  
Concen: 41.92 ng  
RT: 6.727 min Scan# 406  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion: 146 Resp: 493306  
Ion Ratio Lower Upper  
146 100  
148 65.2 51.0 76.4  
75 26.3 15.0 22.6#

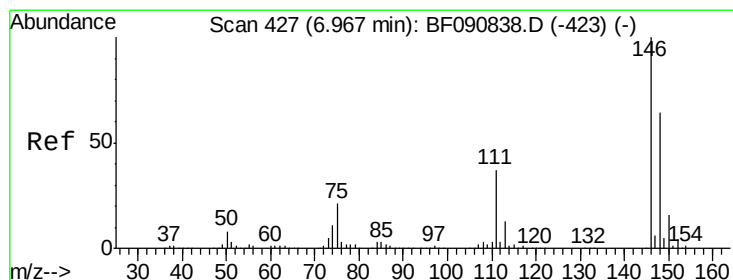
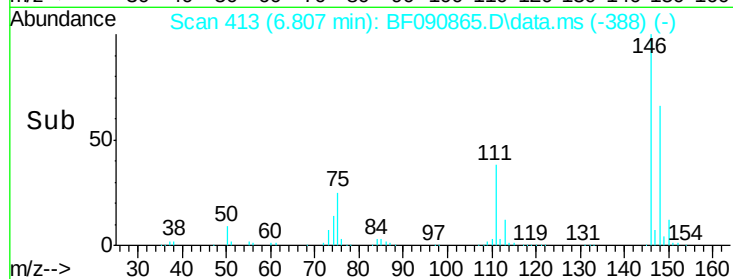
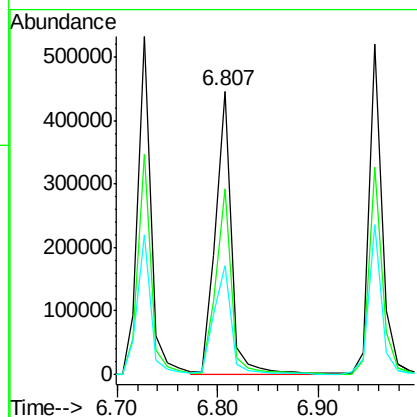
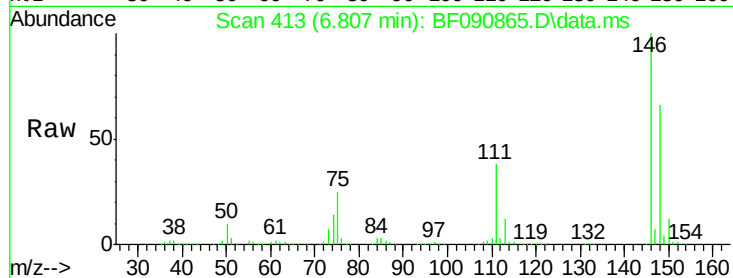




#13  
 1,4-Dichlorobenzene  
 Concen: 40.15 ng  
 RT: 6.807 min Scan# 41  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

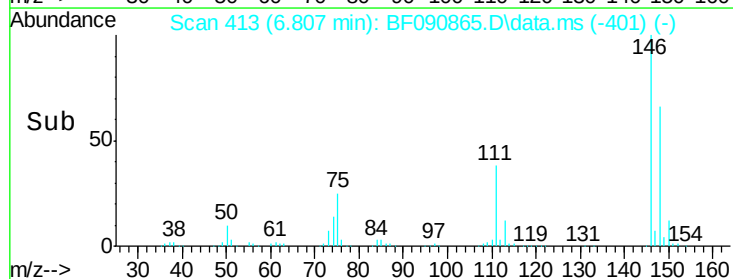
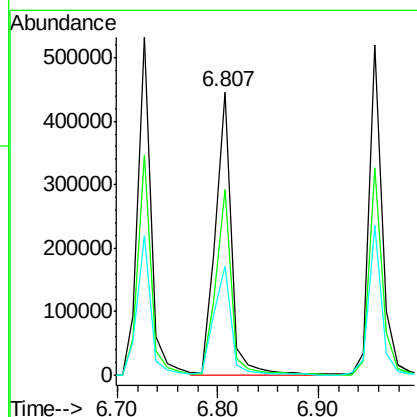
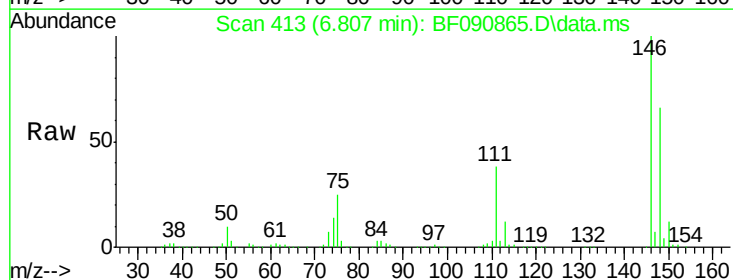
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

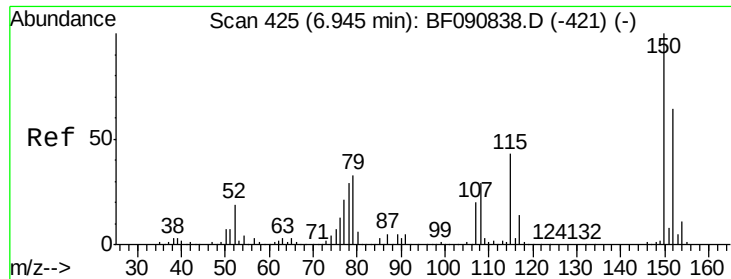
Tot Ion:146 Resp: 496877  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 51.8 77.6  
 111 38.3 24.9 37.3#



#14  
 1,2-Dichlorobenzene  
 Concen: 42.15 ng  
 RT: 6.807 min Scan# 413  
 Delta R.T. -0.160 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

Tgt Ion:146 Resp: 499971  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 52.7 79.1  
 111 38.3 28.8 43.2

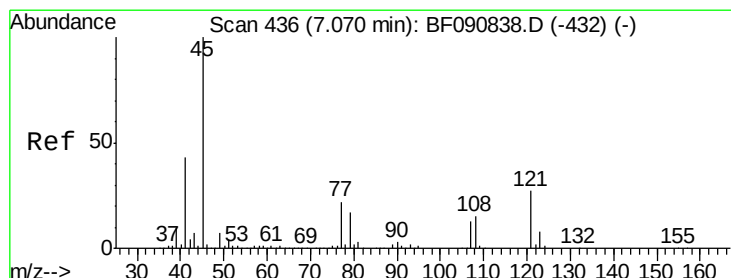
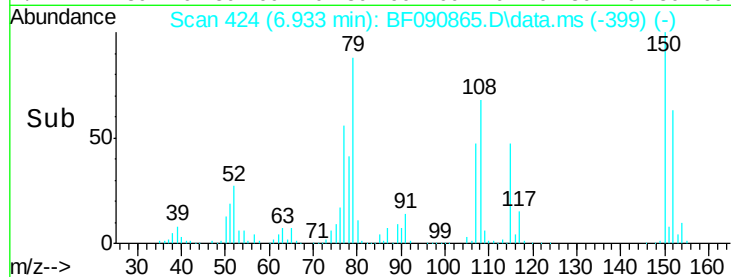
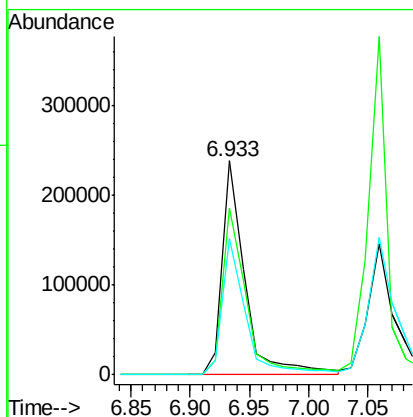
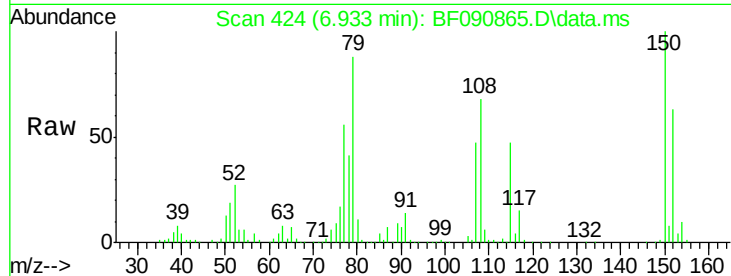




#15  
Benzyl Alcohol  
Concen: 38.14 ng  
RT: 6.933 min Scan# 42  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

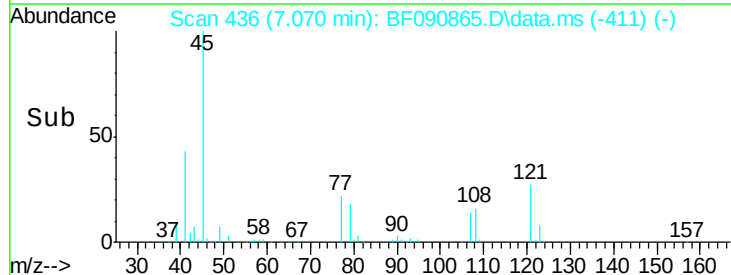
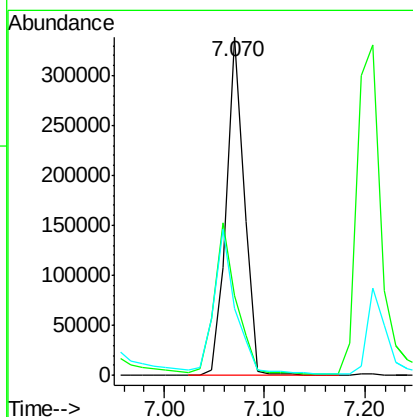
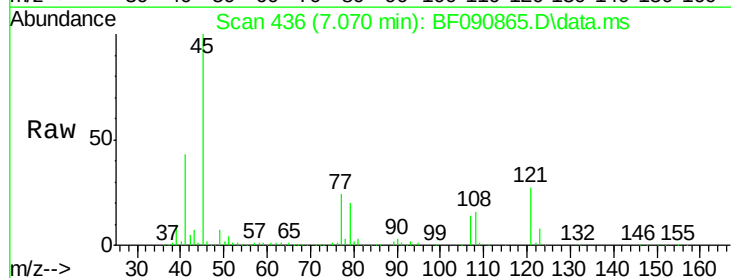
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

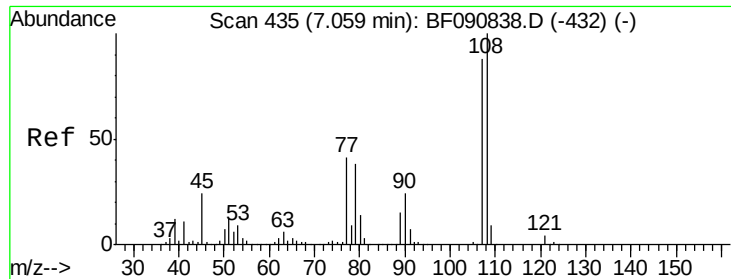
Tot Ion: 79 Resp: 315159  
Ion Ratio Lower Upper  
79 100  
108 77.9 88.6 132.8#  
77 63.6 47.0 70.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.00 ng  
RT: 7.070 min Scan# 436  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion: 45 Resp: 422419  
Ion Ratio Lower Upper  
45 100  
77 23.6 0.0 28.1  
79 19.8 0.0 26.0

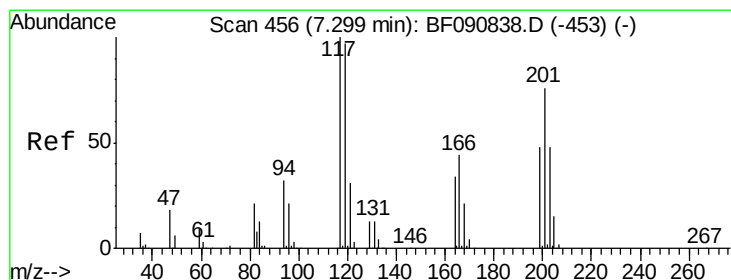
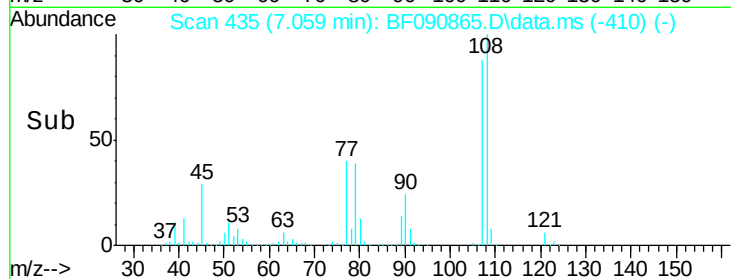
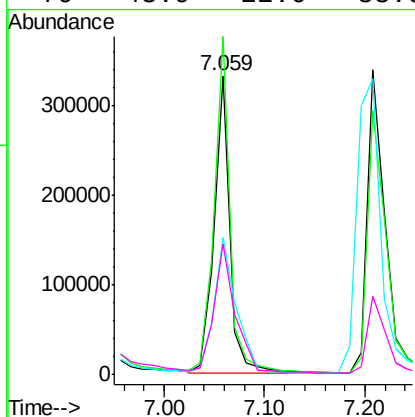
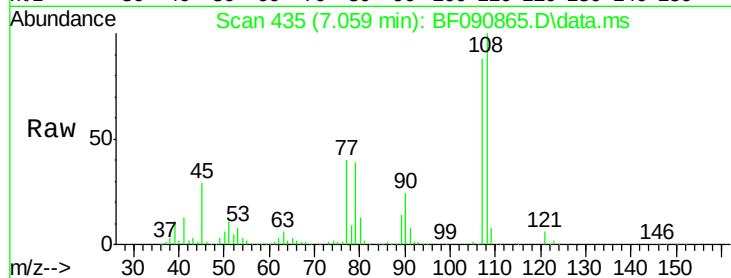




#17  
2-Methylphenol  
Concen: 41.81 ng  
RT: 7.059 min Scan# 435  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

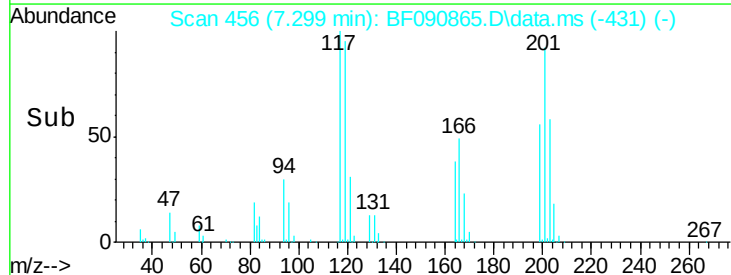
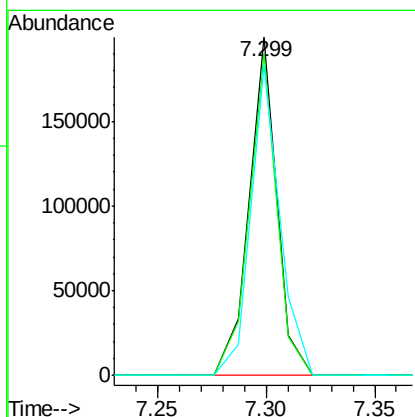
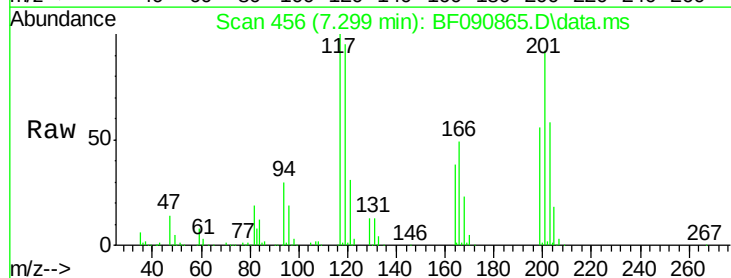
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

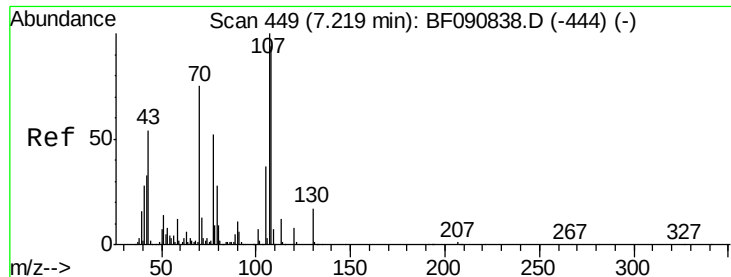
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.2 | 96.6  | 145.0 |
| 77      | 45.8  | 23.3  | 34.9# |
| 79      | 43.9  | 22.0  | 33.0# |



#18  
Hexachloroethane  
Concen: 39.02 ng  
RT: 7.299 min Scan# 456  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 83.8  | 125.6 |
| 201     | 91.5  | 55.1  | 82.7# |

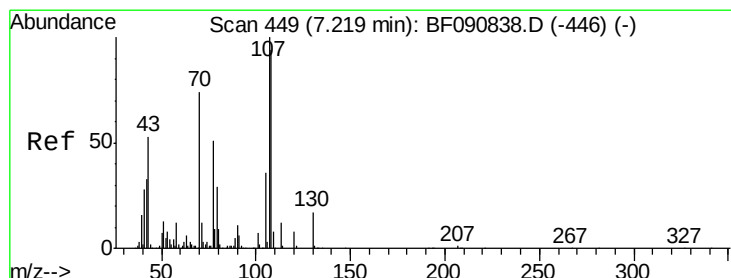
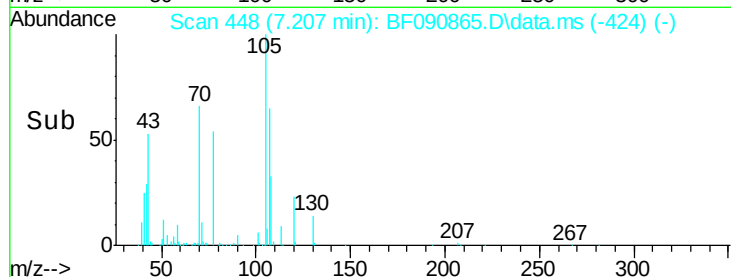
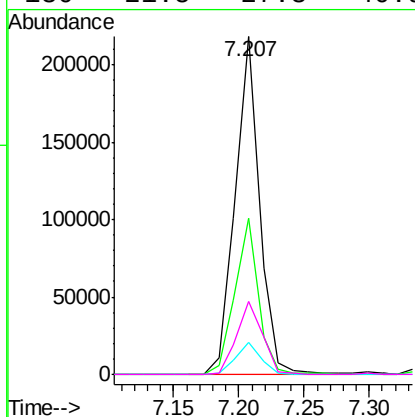
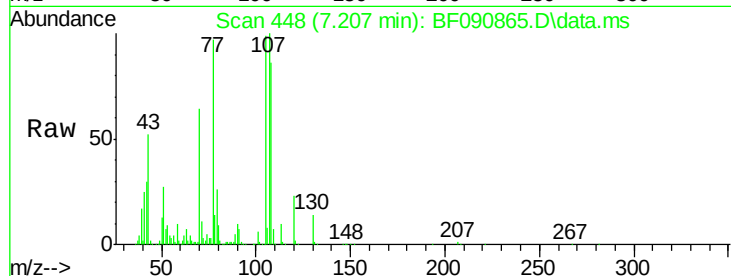




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.69 ng  
RT: 7.207 min Scan# 448  
Delta R.T. -0.023 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

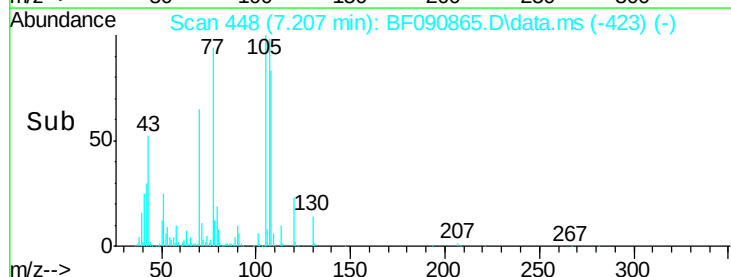
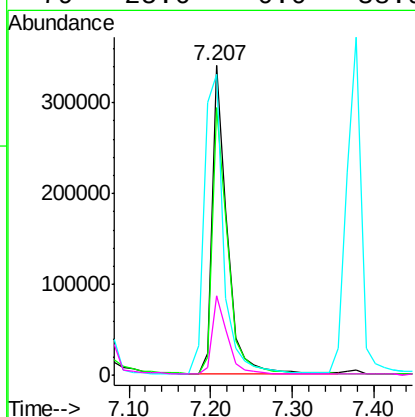
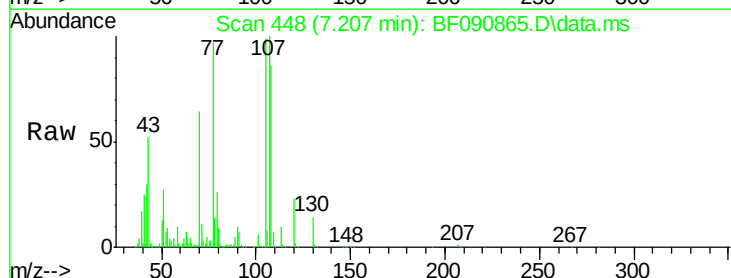
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

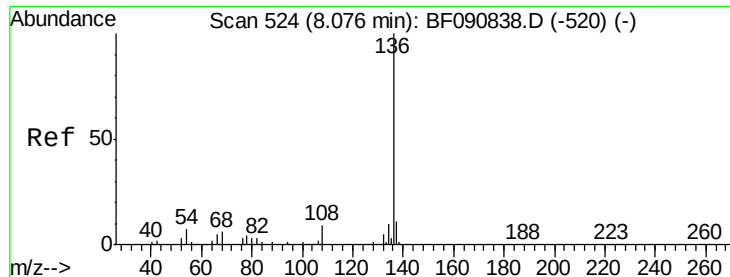
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 46.3  | 63.8  | 95.6# |
| 101     | 9.6   | 9.2   | 13.8  |
| 130     | 21.5  | 27.3  | 40.9# |



#20  
3+4-Methylphenols  
Concen: 42.53 ng  
RT: 7.207 min Scan# 448  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 86.3  | 74.6  | 114.6 |
| 77      | 97.1  | 0.7   | 40.7# |
| 79      | 25.6  | 0.0   | 38.9  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.076 min Scan# 52

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

Tot Ion:136 Resp: 719664

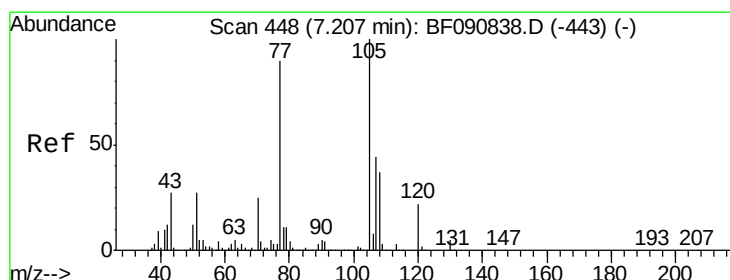
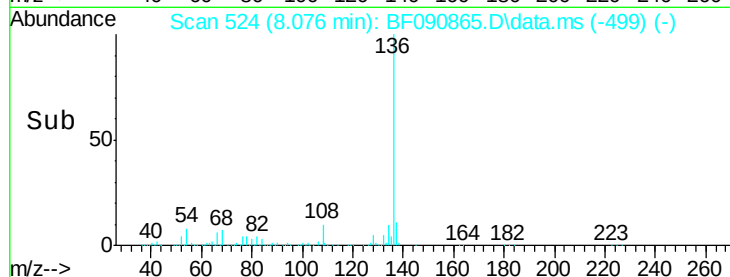
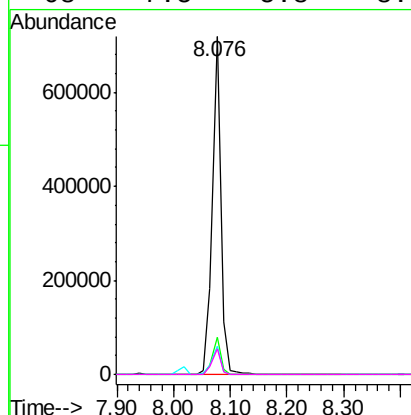
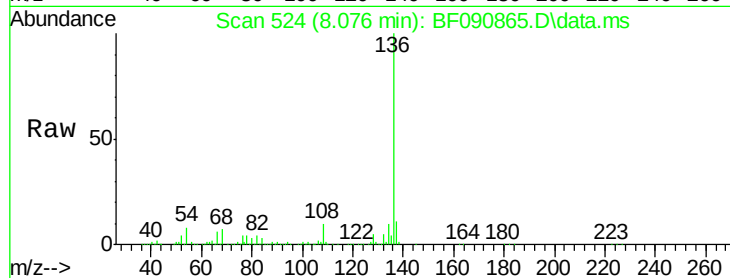
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.2 8.2 12.2

68 7.5 5.8 8.6



#22

Acetophenone

Concen: 39.38 ng

RT: 7.196 min Scan# 447

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Tgt Ion:105 Resp: 583009

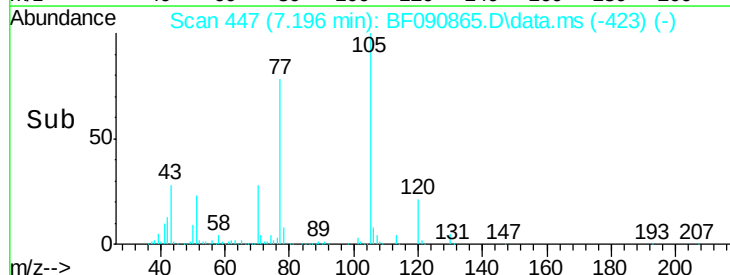
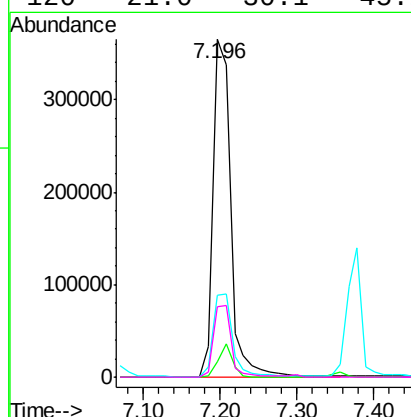
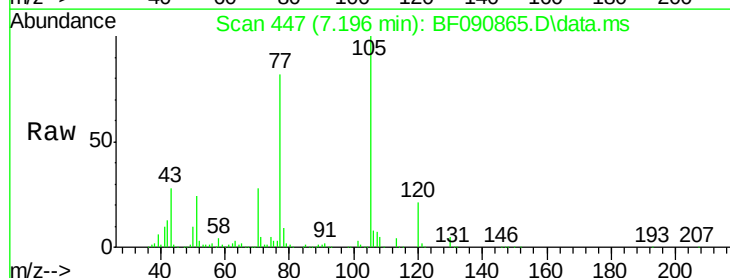
Ion Ratio Lower Upper

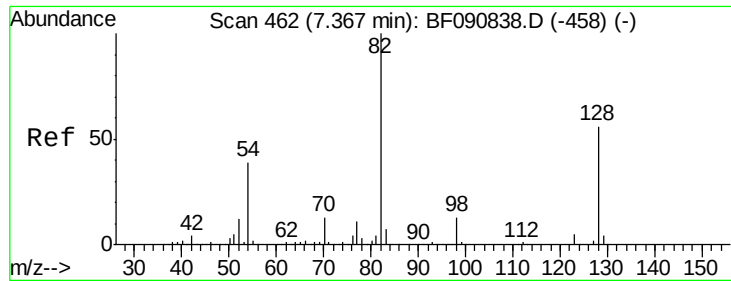
105 100

71 4.6 4.7 7.1#

51 24.3 22.0 33.0

120 21.0 30.1 45.1#





#23

Nitrobenzene-d5

Concen: 75.55 ng

RT: 7.356 min Scan# 461

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

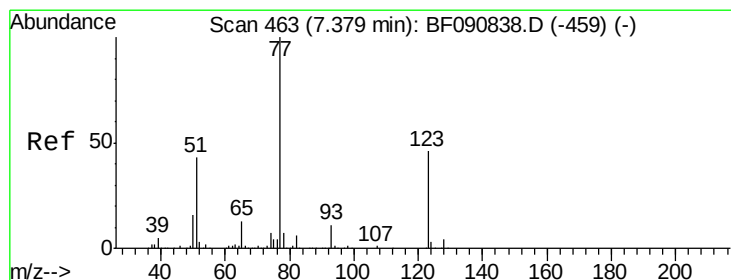
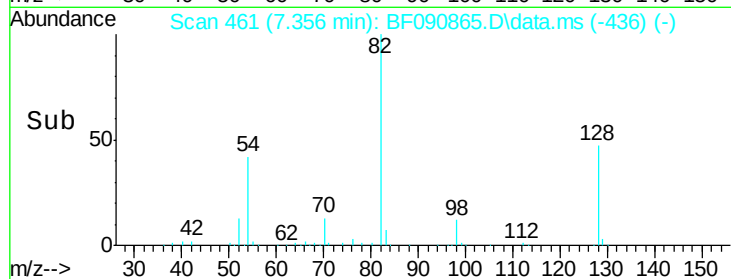
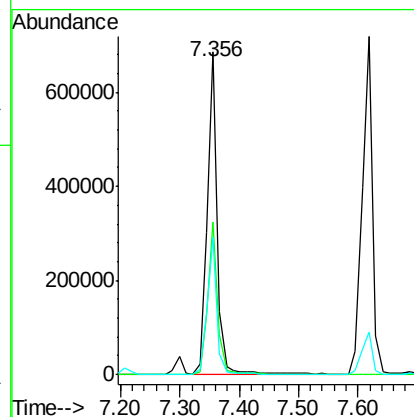
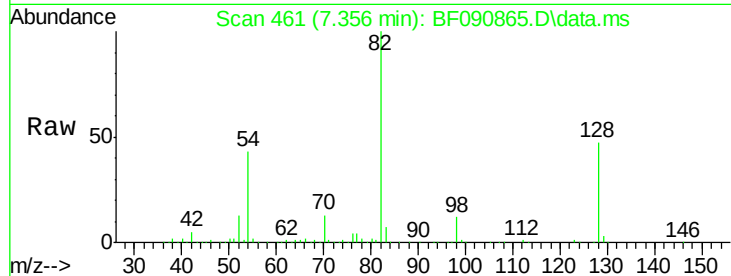
Tot Ion: 82 Resp: 830498

Ion Ratio Lower Upper

82 100

128 47.4 51.0 76.6#

54 42.7 47.5 71.3#



#24

Nitrobenzene

Concen: 39.58 ng

RT: 7.379 min Scan# 463

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

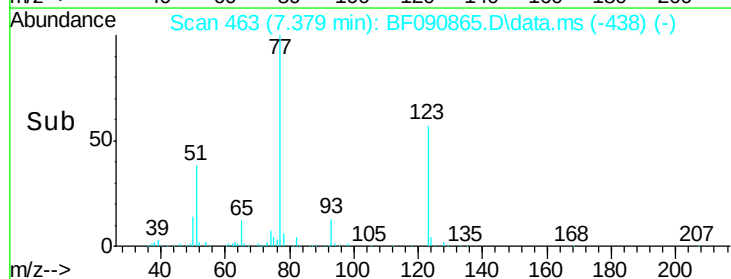
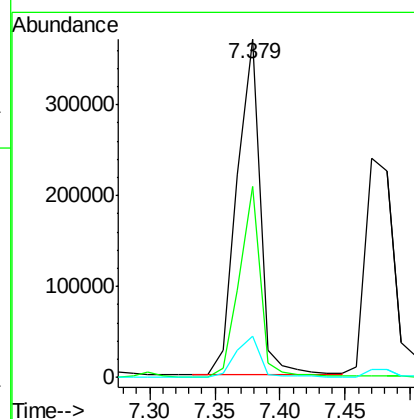
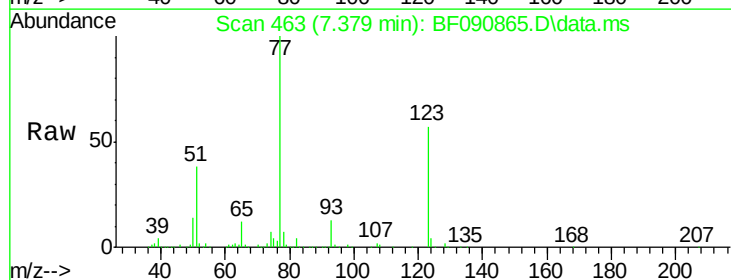
Tgt Ion: 77 Resp: 460203

Ion Ratio Lower Upper

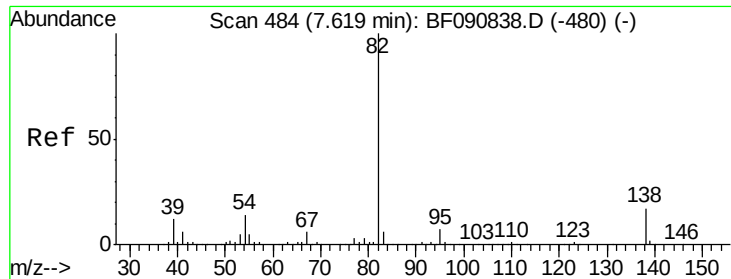
77 100

123 56.5 59.8 89.8#

65 12.0 10.2 15.4







#25

Isophorone

Concen: 38.48 ng

RT: 7.619 min Scan# 48

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

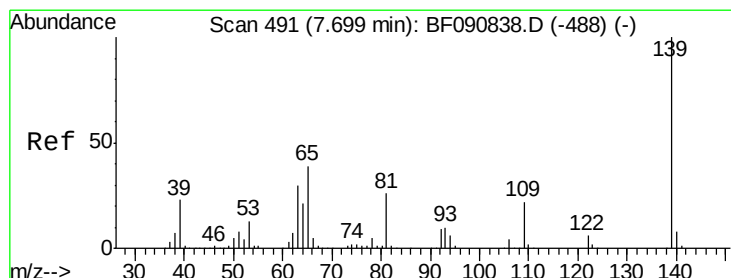
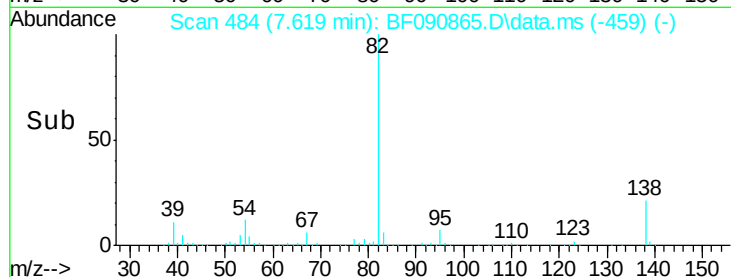
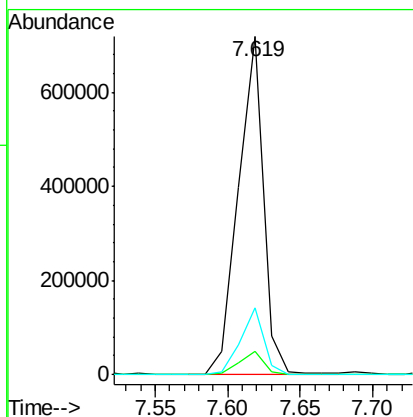
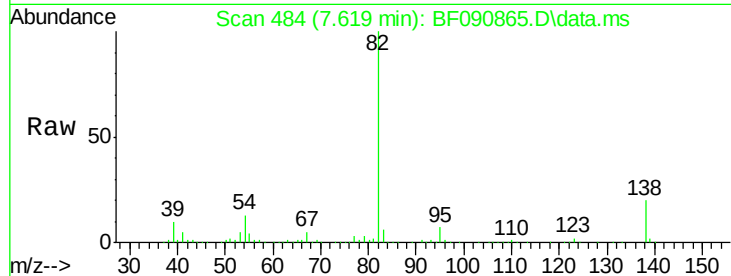
Tot Ion: 82 Resp: 858530

Ion Ratio Lower Upper

82 100

95 7.0 4.0 6.0#

138 19.9 18.3 27.5



#26

2-Nitrophenol

Concen: 38.12 ng

RT: 7.699 min Scan# 491

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

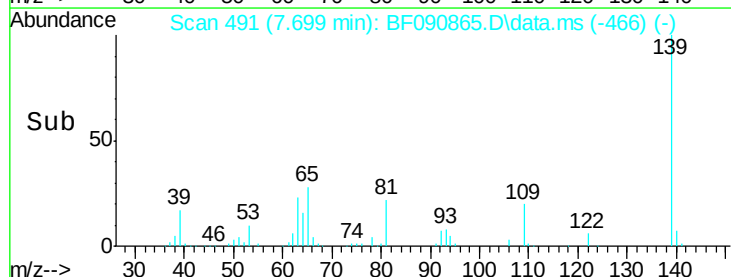
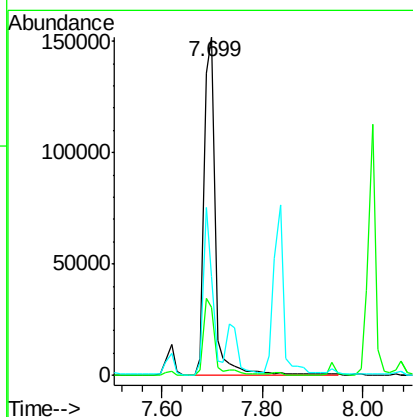
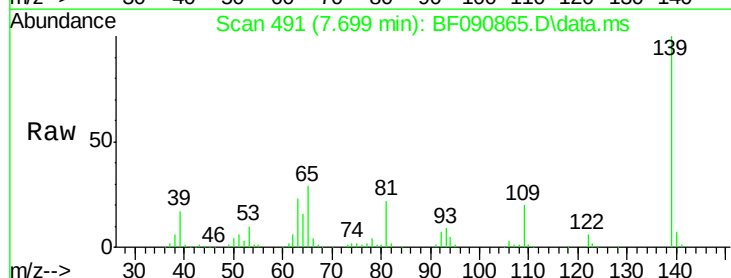
Tgt Ion: 139 Resp: 237438

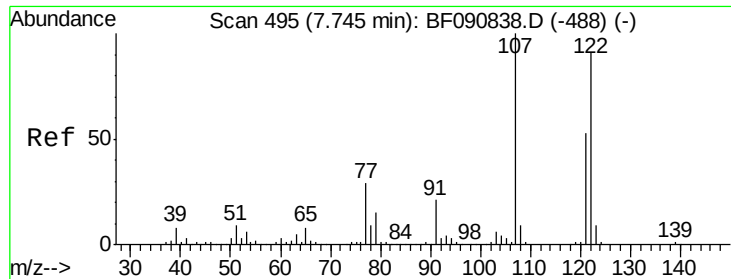
Ion Ratio Lower Upper

139 100

109 20.3 11.0 16.4#

65 29.1 24.7 37.1





#27

2,4-Dimethylphenol

Concen: 39.43 ng

RT: 7.745 min Scan# 49

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

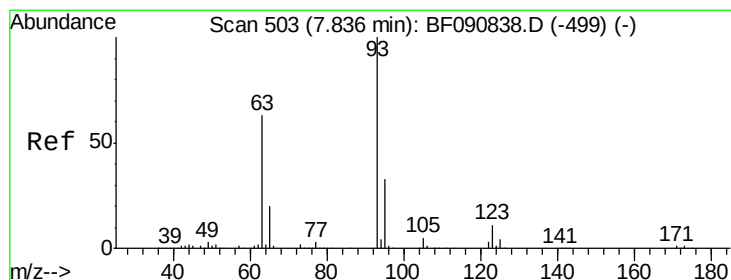
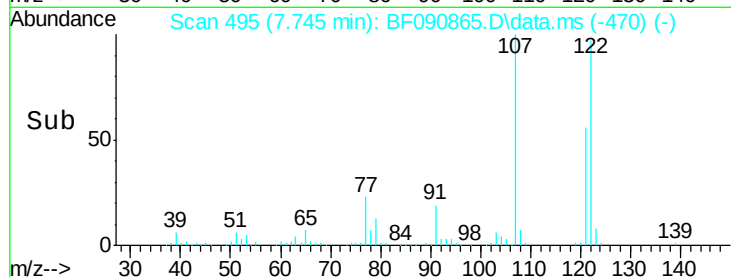
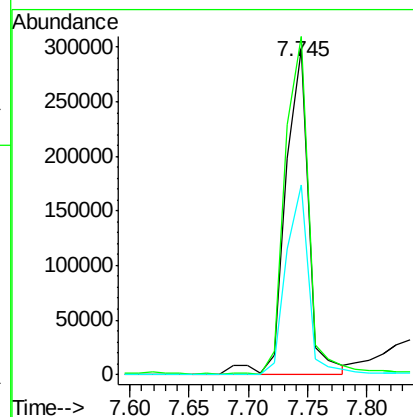
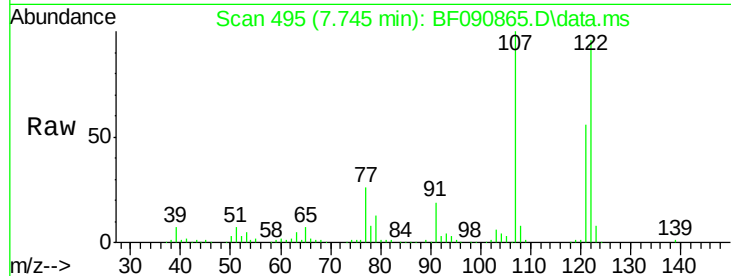
Tot Ion:122 Resp: 397661

Ion Ratio Lower Upper

122 100

107 104.1 71.8 107.6

121 58.3 42.3 63.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.88 ng

RT: 7.836 min Scan# 503

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

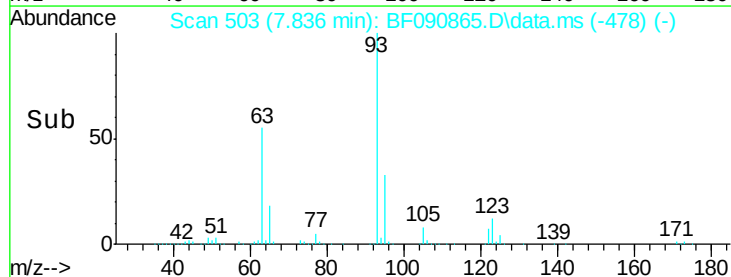
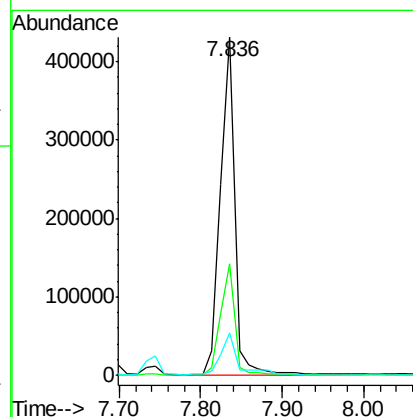
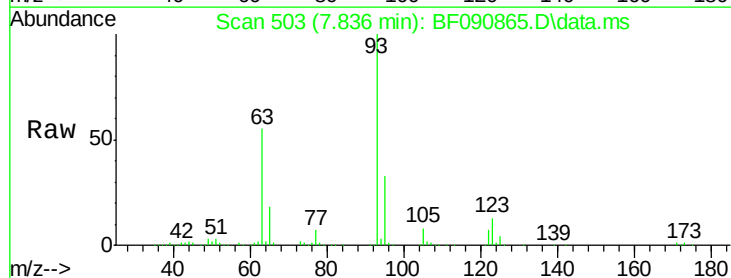
Tgt Ion: 93 Resp: 531433

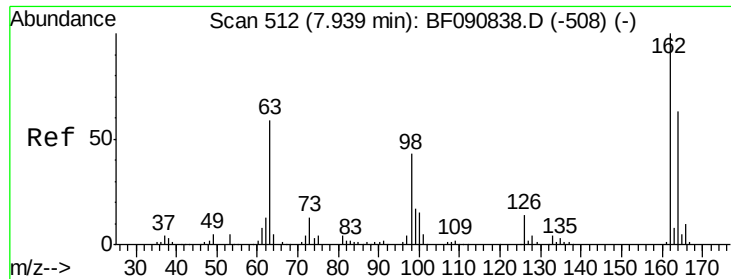
Ion Ratio Lower Upper

93 100

95 33.1 27.5 41.3

123 12.6 13.7 20.5#

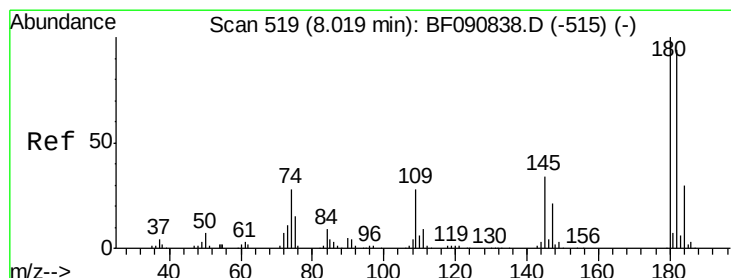
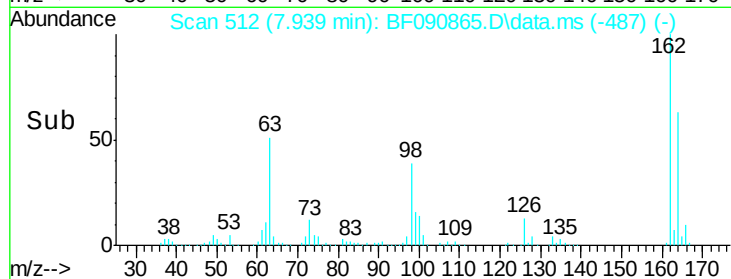
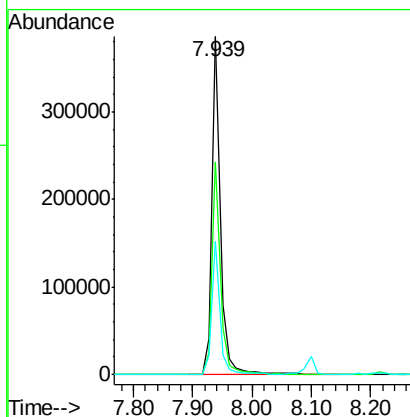
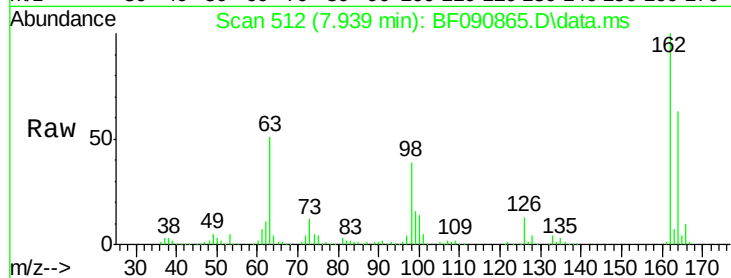




#29  
 2,4-Dichlorophenol  
 Concen: 40.89 ng  
 RT: 7.939 min Scan# 51  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

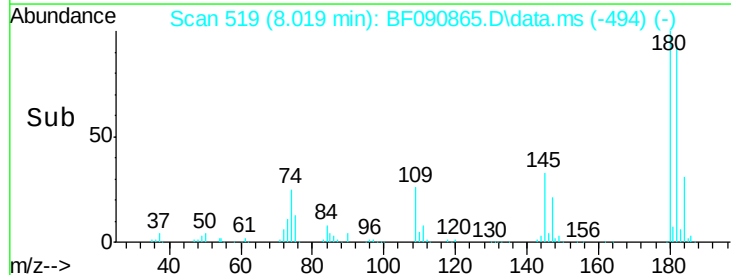
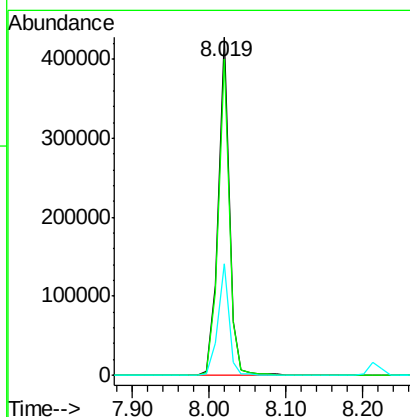
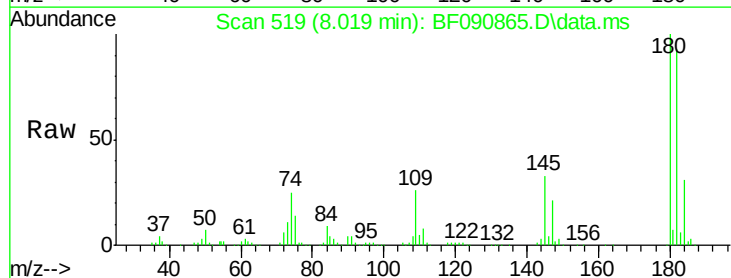
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

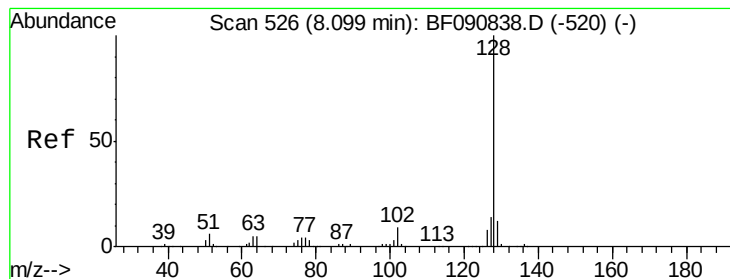
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.7  | 44.9  | 84.9  |
| 98      | 39.3  | 13.0  | 53.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.08 ng  
 RT: 8.019 min Scan# 519  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.4  | 77.1  | 115.7 |
| 145     | 33.0  | 23.3  | 34.9  |





#31

Naphthalene

Concen: 43.36 ng

RT: 8.099 min Scan# 52

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

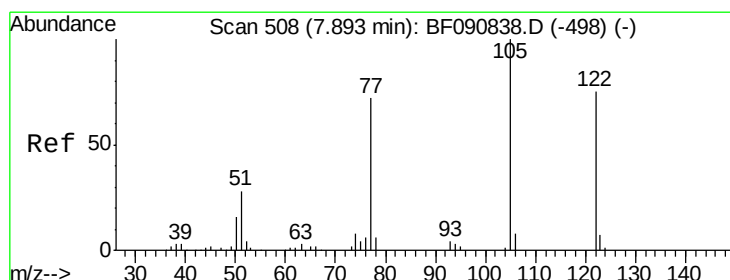
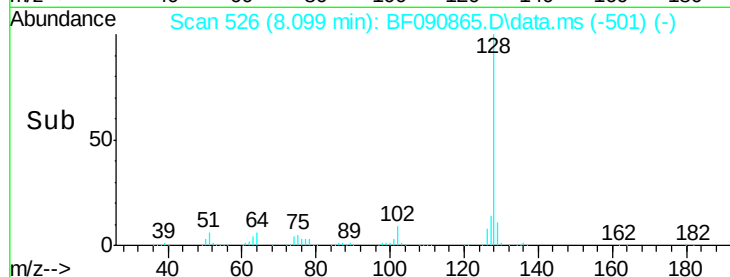
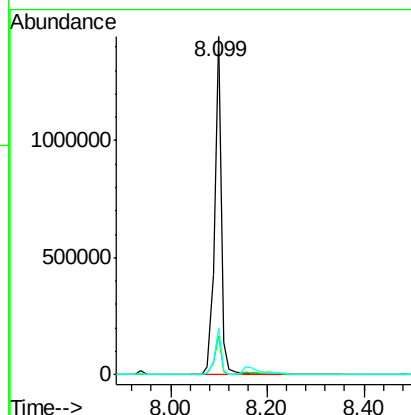
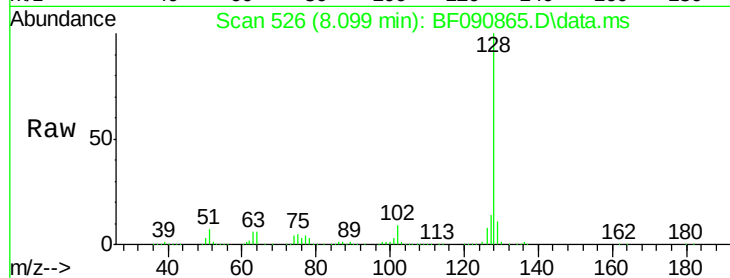
Tot Ion:128 Resp: 1458688

Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

127 13.6 9.9 14.9



#32

Benzoic acid

Concen: 35.02 ng

RT: 7.882 min Scan# 507

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

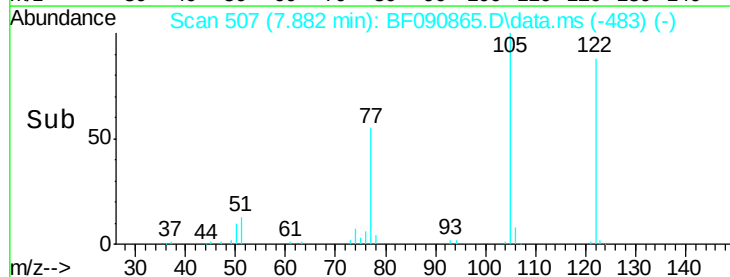
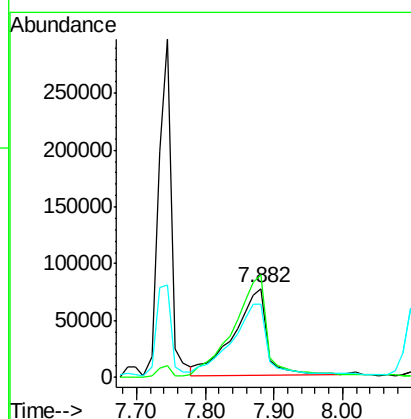
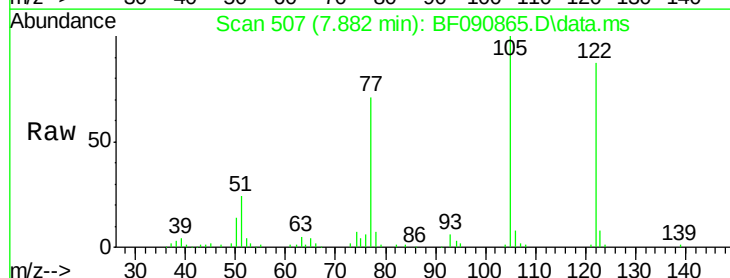
Tgt Ion:122 Resp: 256447

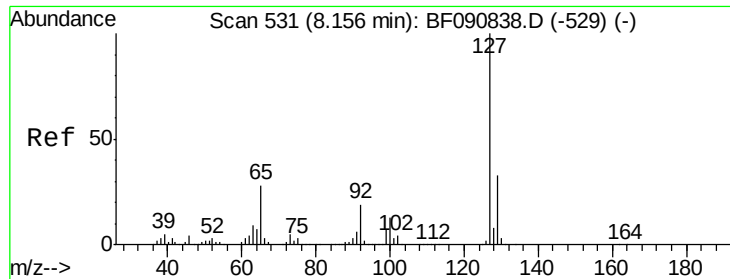
Ion Ratio Lower Upper

122 100

105 115.4 76.1 116.1

77 82.2 40.5 80.5#

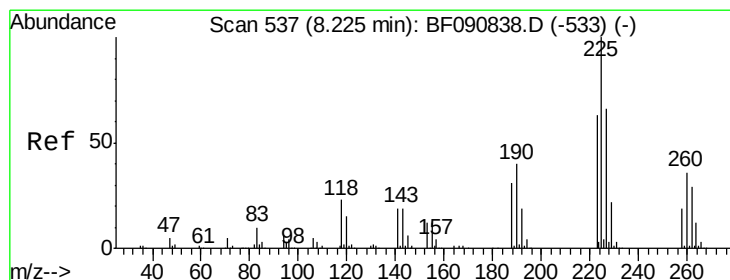
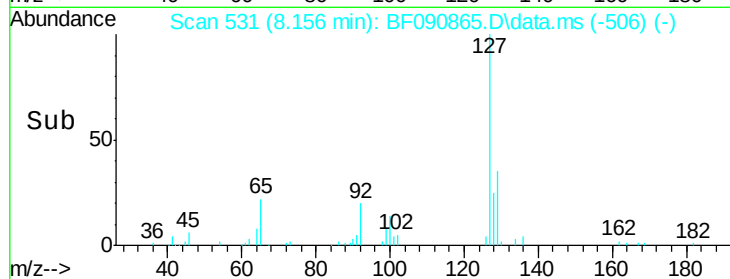
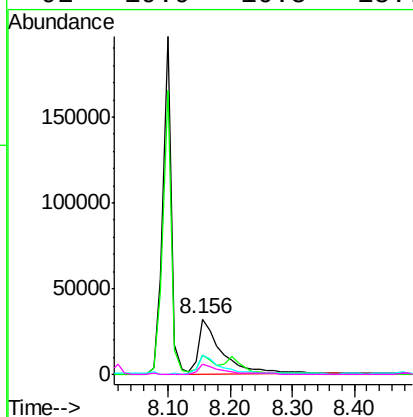
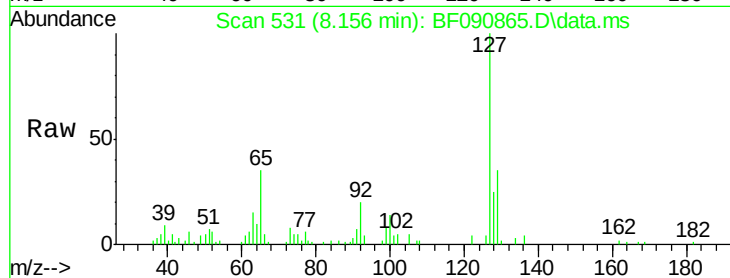




#33  
4-Chloroaniline  
Concen: 6.20 ng  
RT: 8.156 min Scan# 531  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

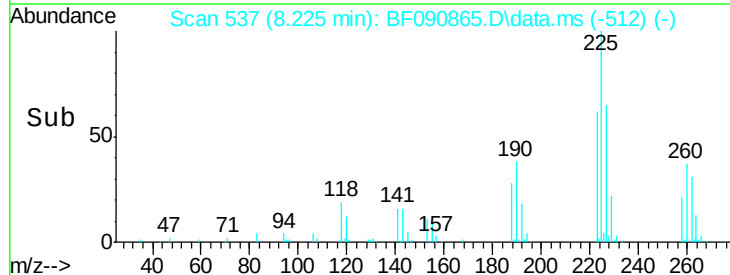
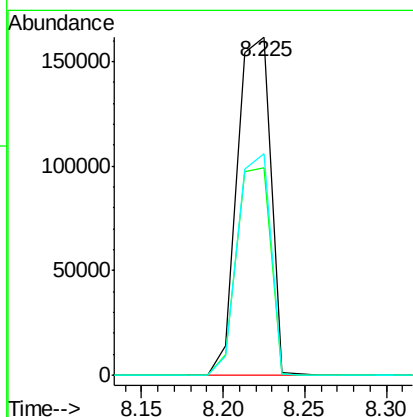
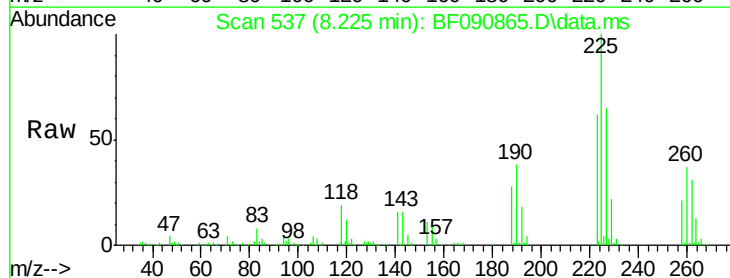
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

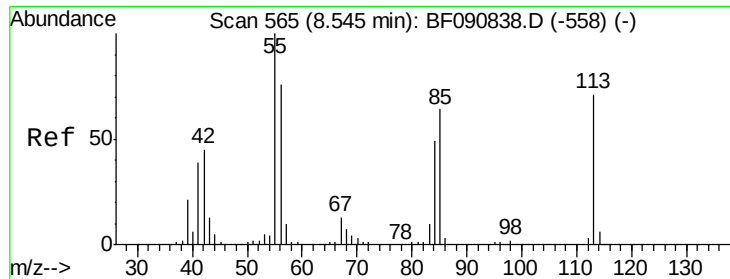
|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 84303      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 35.3  | 25.8 38.6  |
| 65          | 35.2  | 17.9 26.9# |
| 92          | 19.9  | 10.5 15.7# |



#34  
Hexachlorobutadiene  
Concen: 35.87 ng  
RT: 8.225 min Scan# 537  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 227606    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.5  | 50.2 75.2 |
| 227         | 65.4  | 52.2 78.2 |





#35

Caprolactam

Concen: 31.54 ng

RT: 8.522 min Scan# 56

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

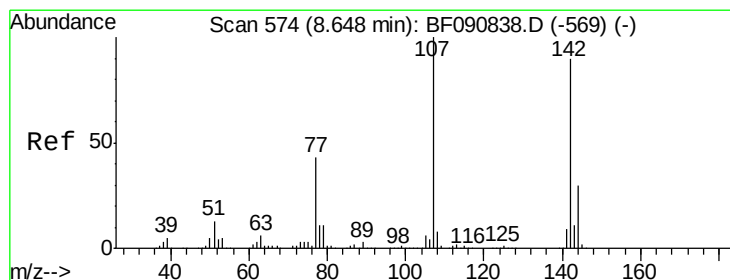
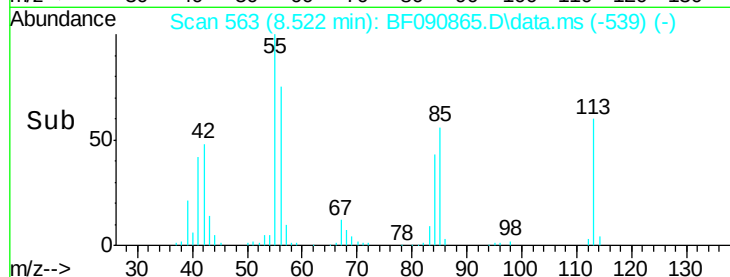
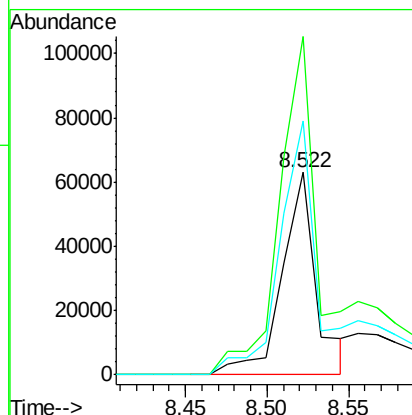
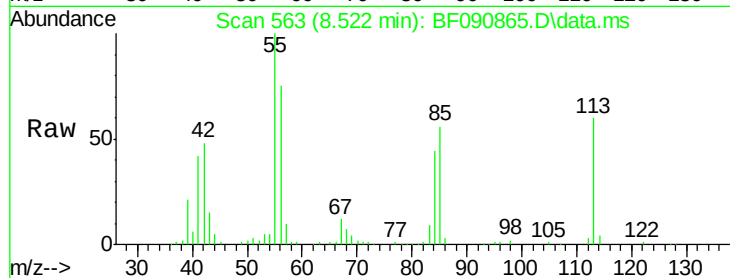
Tot Ion:113 Resp: 91424

Ion Ratio Lower Upper

113 100

55 167.4 152.4 192.4

56 125.7 104.6 144.6



#36

4-Chloro-3-methylphenol

Concen: 39.21 ng

RT: 8.648 min Scan# 574

Delta R.T. -0.000 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

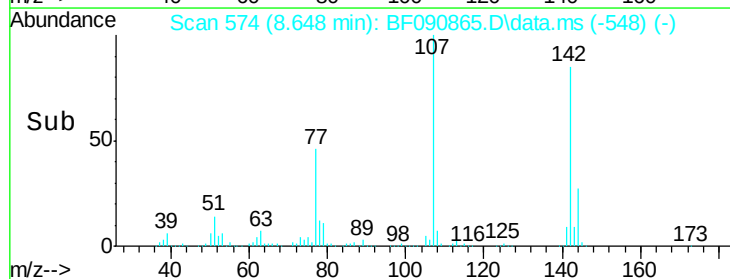
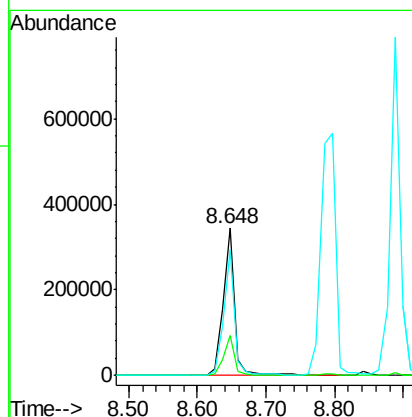
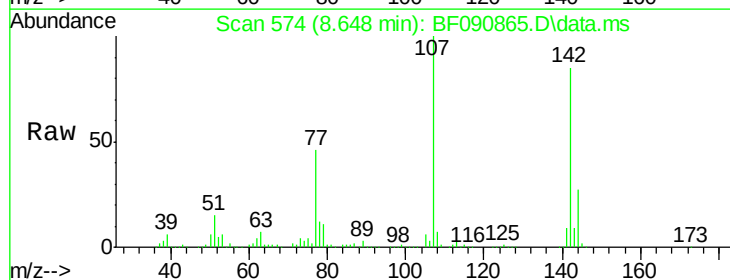
Tgt Ion:107 Resp: 398187

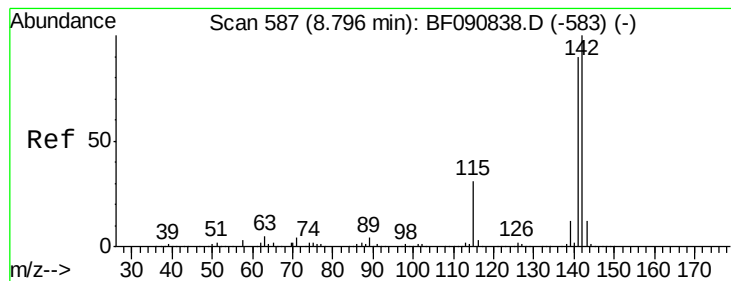
Ion Ratio Lower Upper

107 100

144 27.1 25.4 38.0

142 85.1 77.3 115.9





#37

2-Methylnaphthalene

Concen: 38.42 ng

RT: 8.796 min Scan# 58

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

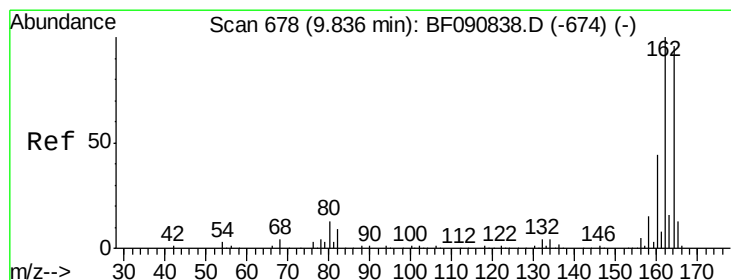
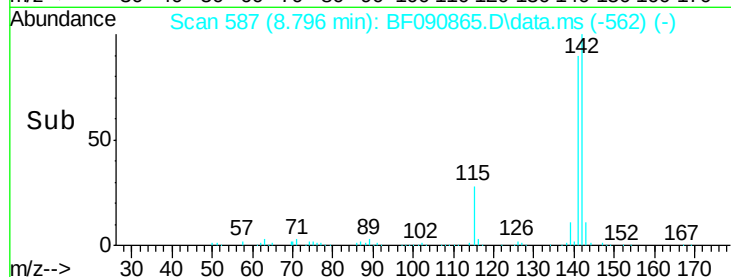
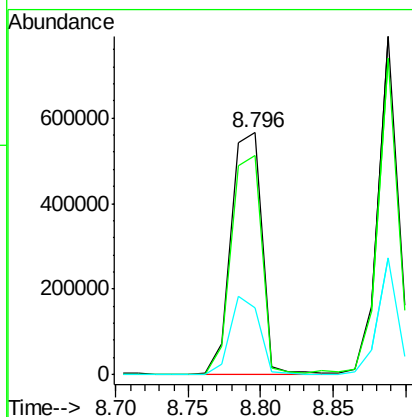
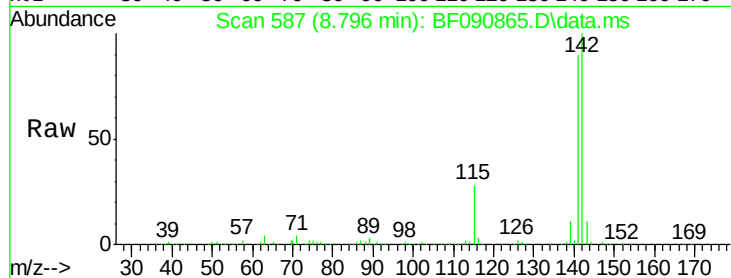
Tot Ion:142 Resp: 834857

Ion Ratio Lower Upper

142 100

141 90.3 67.5 101.3

115 27.7 18.2 27.2#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.836 min Scan# 678

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

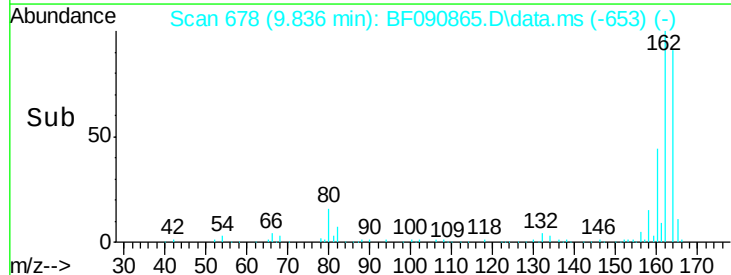
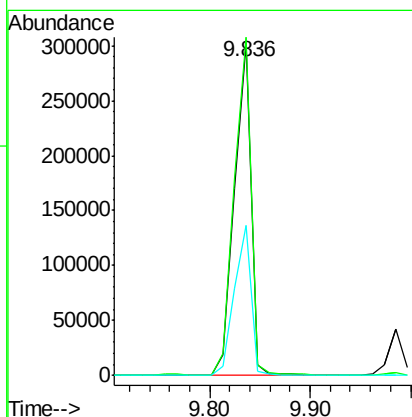
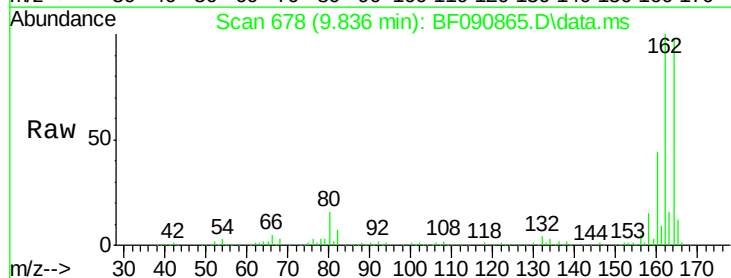
Tgt Ion:164 Resp: 347680

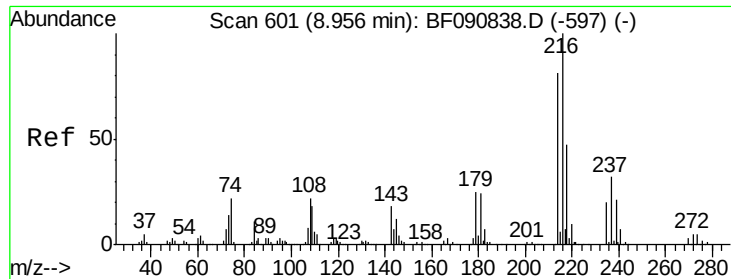
Ion Ratio Lower Upper

164 100

162 101.9 75.2 112.8

160 45.0 31.5 47.3

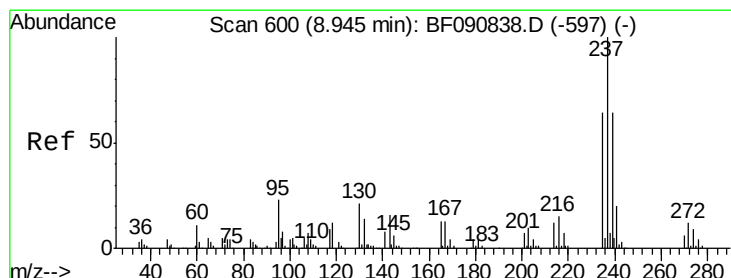
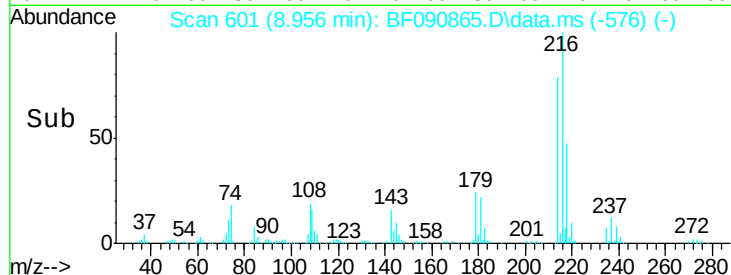
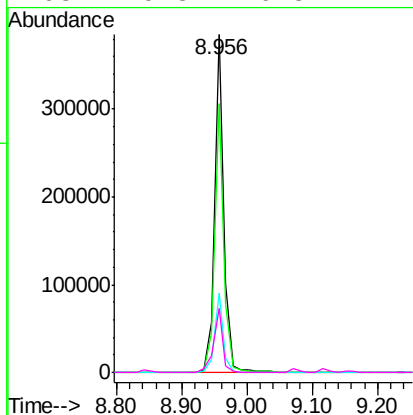
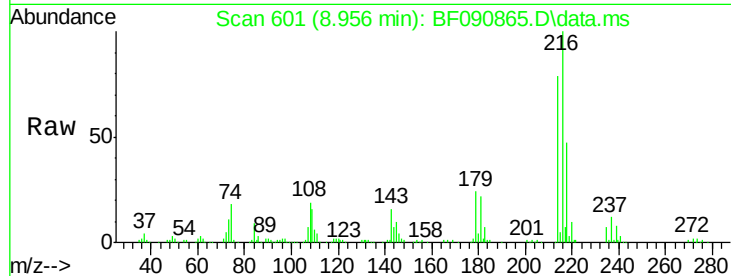




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.81 ng  
 RT: 8.956 min Scan# 601  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

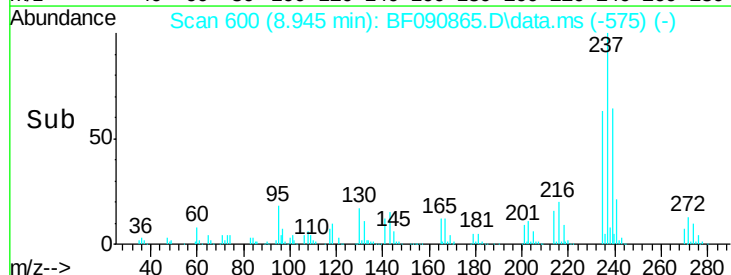
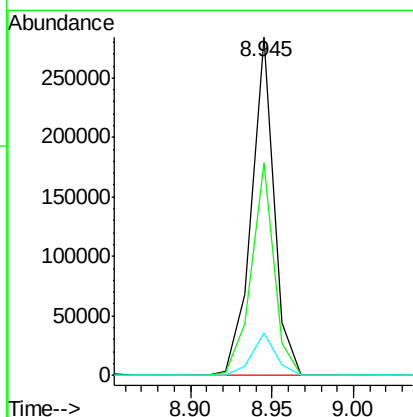
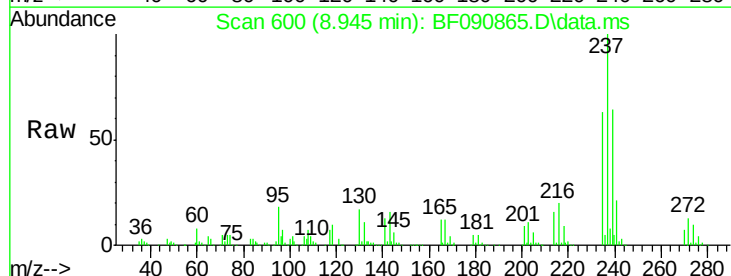
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 389271 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 78.9 | 63.5  | 95.3   |
| 179       | 22.2 | 16.6  | 24.8   |
| 108       | 19.3 | 16.3  | 24.5   |

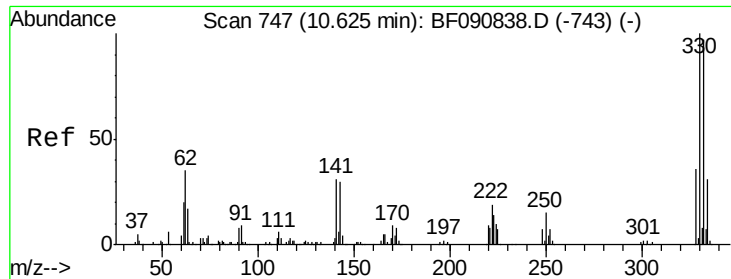


#40  
 Hexachlorocyclopentadiene  
 Concen: 62.56 ng  
 RT: 8.945 min Scan# 600  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 237  | Resp: | 274521 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 62.7 | 42.0  | 82.0   |
| 272       | 12.5 | 0.0   | 36.1   |



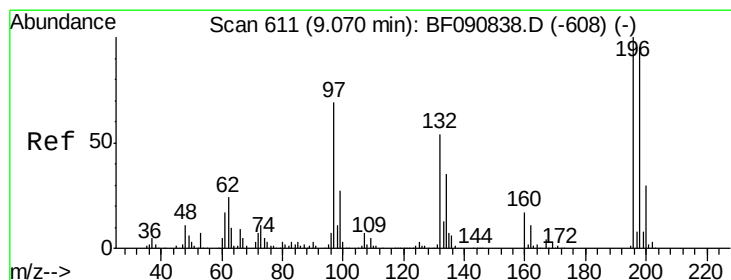
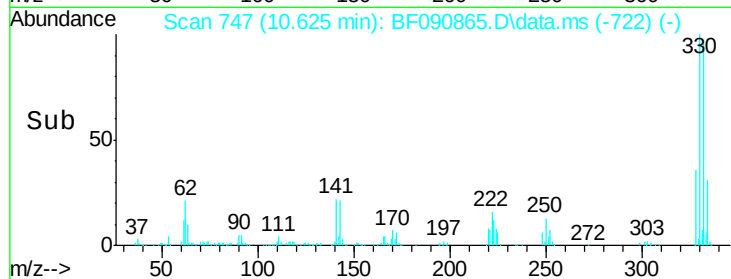
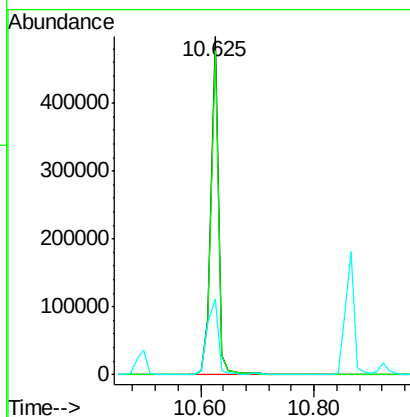
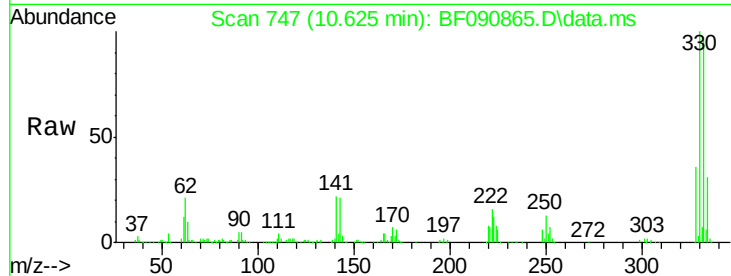




#41  
 2,4,6-Tribromophenol  
 Concen: 122.62 ng  
 RT: 10.625 min Scan# 74  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

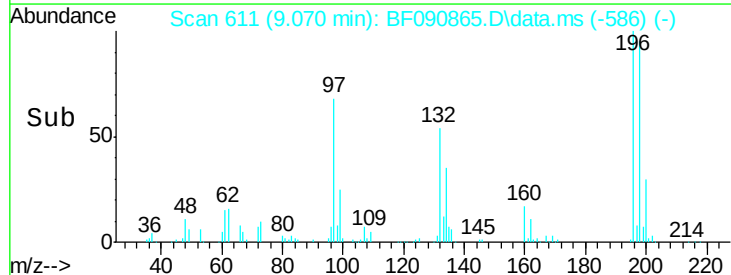
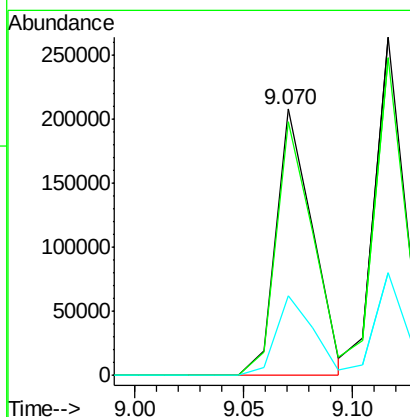
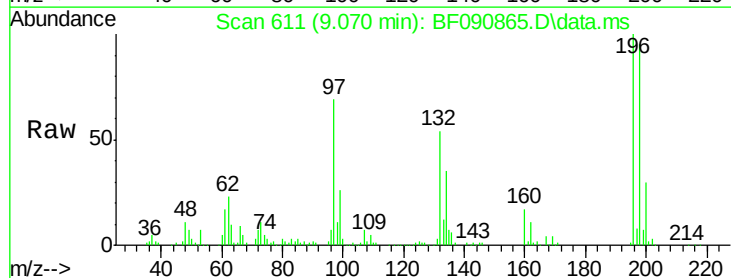
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

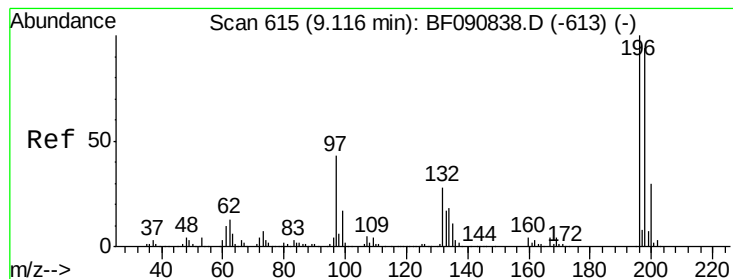
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 76.6  | 114.8 |
| 141     | 31.7  | 29.7  | 44.5  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 39.79 ng  
 RT: 9.070 min Scan# 611  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.2  | 75.7  | 113.5 |
| 200     | 30.1  | 23.9  | 35.9  |





#43

2,4,5-Trichlorophenol

Concen: 42.45 ng

RT: 9.116 min Scan# 61

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

Tot Ion:196 Resp: 269210

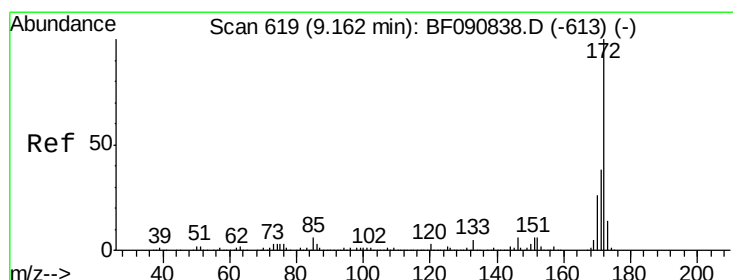
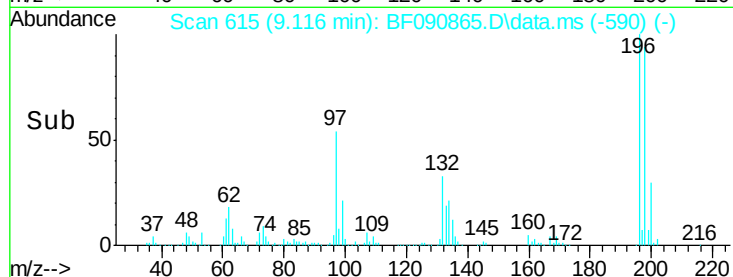
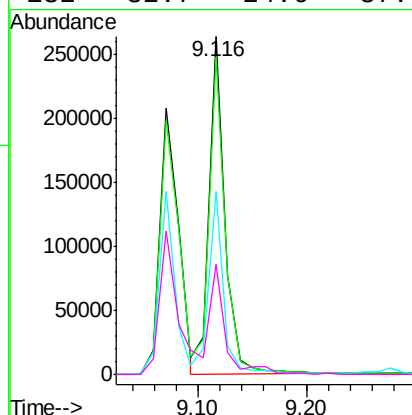
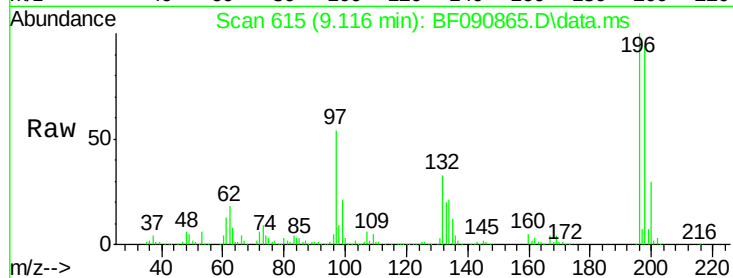
Ion Ratio Lower Upper

196 100

198 93.8 75.4 113.0

97 54.3 33.3 49.9#

132 32.7 24.6 37.0



#44

2-Fluorobiphenyl

Concen: 91.34 ng

RT: 9.162 min Scan# 619

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

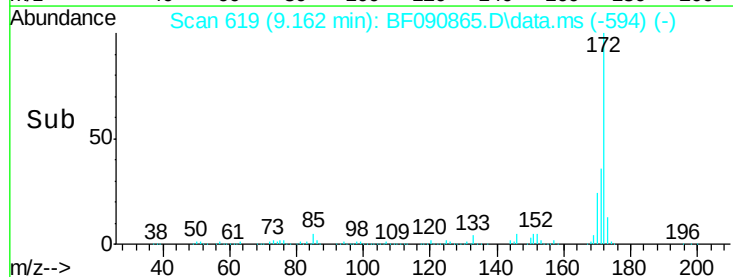
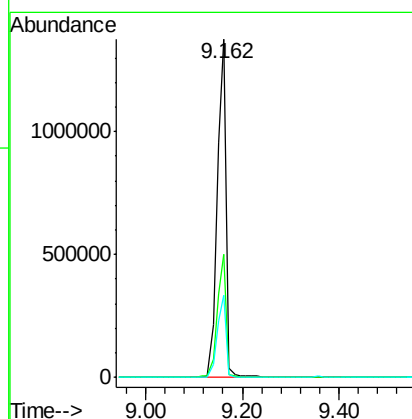
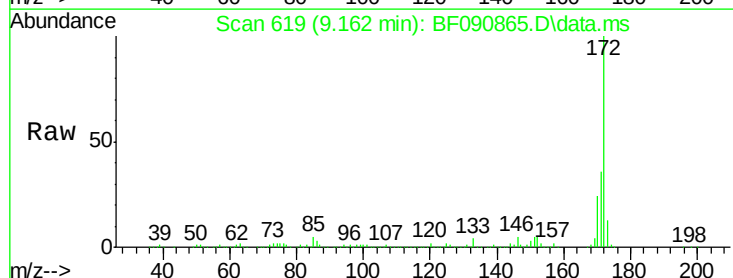
Tgt Ion:172 Resp: 1808546

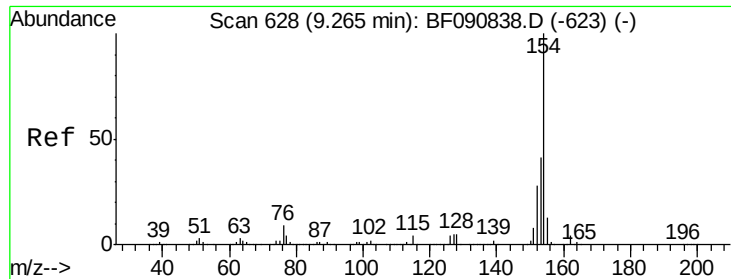
Ion Ratio Lower Upper

172 100

171 36.5 26.1 39.1

170 24.5 17.4 26.2

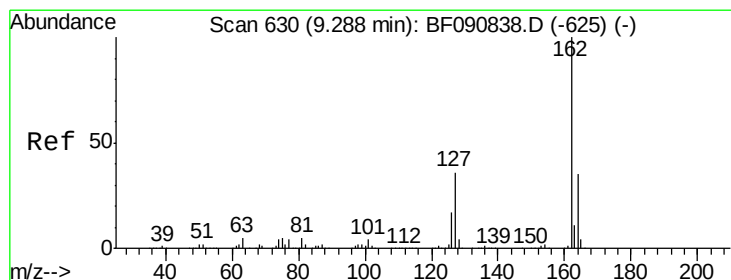
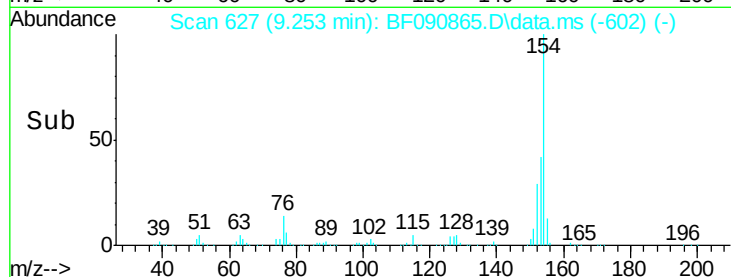
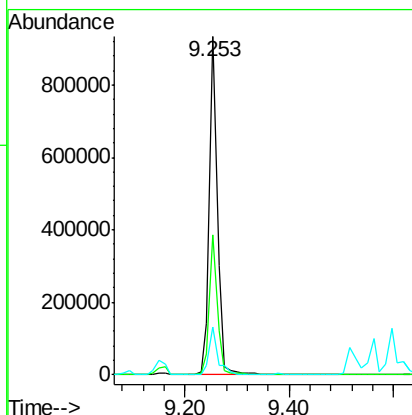
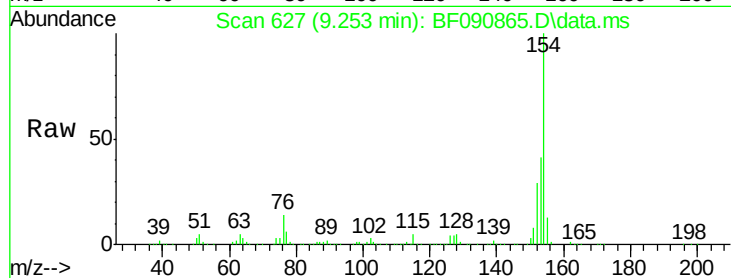




#45  
 1,1'-Biphenyl  
 Concen: 39.83 ng  
 RT: 9.253 min Scan# 62  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

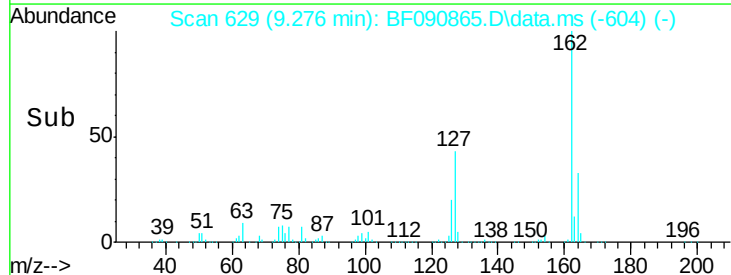
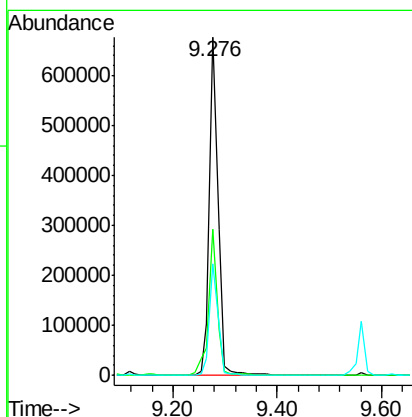
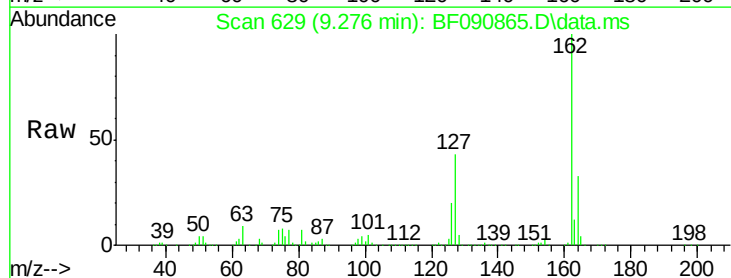
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

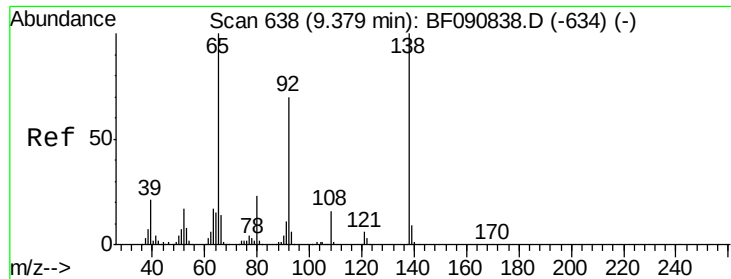
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.5  | 17.1  | 57.1  |
| 76      | 14.2  | 0.0   | 31.6  |



#46  
 2-Chloronaphthalene  
 Concen: 40.92 ng  
 RT: 9.276 min Scan# 629  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 43.1  | 27.6  | 41.4# |
| 164     | 32.9  | 25.4  | 38.2  |

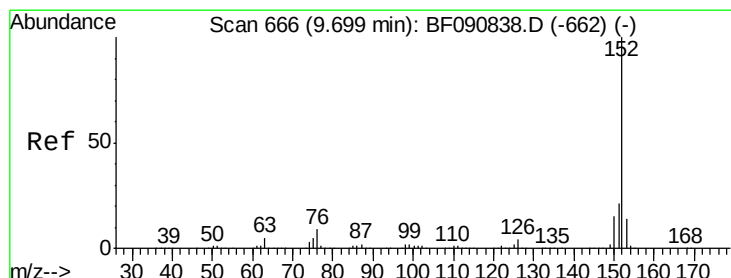
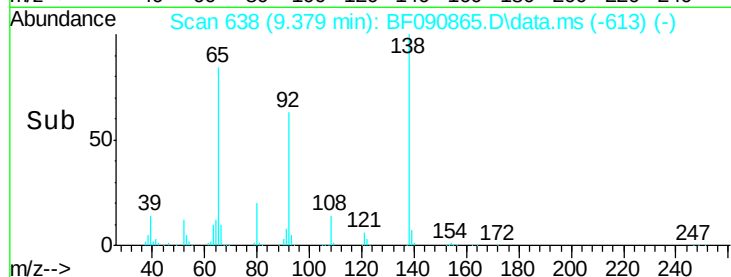
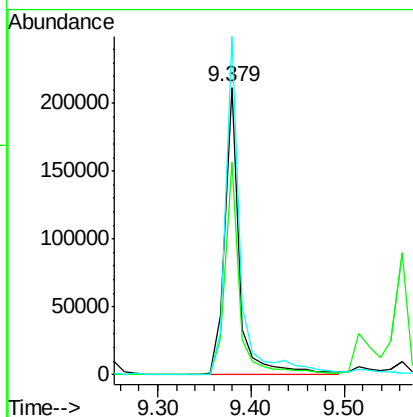
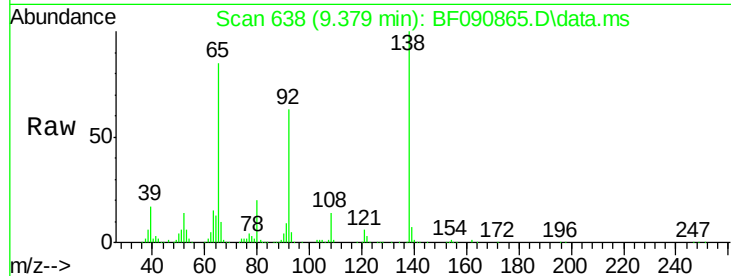




#47  
2-Nitroaniline  
Concen: 42.57 ng  
RT: 9.379 min Scan# 638  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

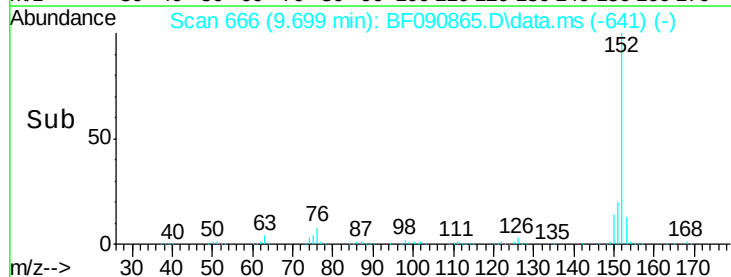
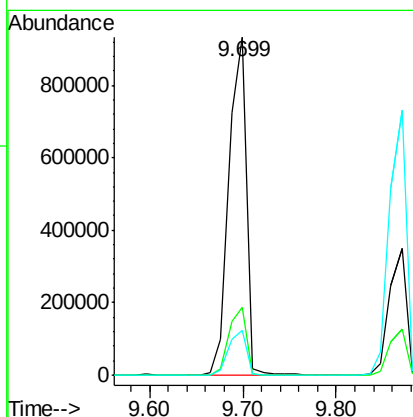
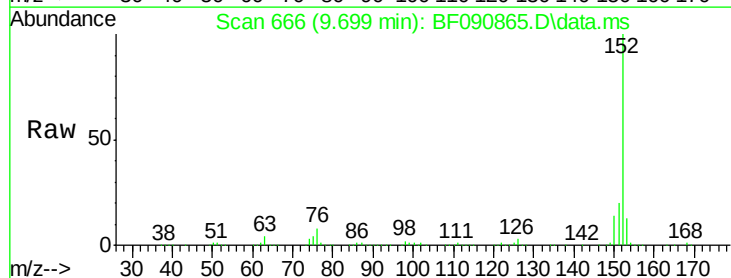
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

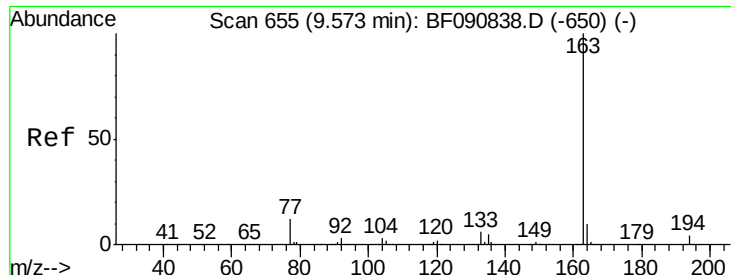
Tot Ion: 65 Resp: 228818  
Ion Ratio Lower Upper  
65 100  
92 74.1 55.4 83.0  
138 117.8 115.5 173.3



#48  
Acenaphthylene  
Concen: 42.68 ng  
RT: 9.699 min Scan# 666  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion: 152 Resp: 1231034  
Ion Ratio Lower Upper  
152 100  
151 20.2 14.6 22.0  
153 13.1 10.3 15.5





#49

Dimethylphthalate

Concen: 41.66 ng

RT: 9.562 min Scan# 65

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

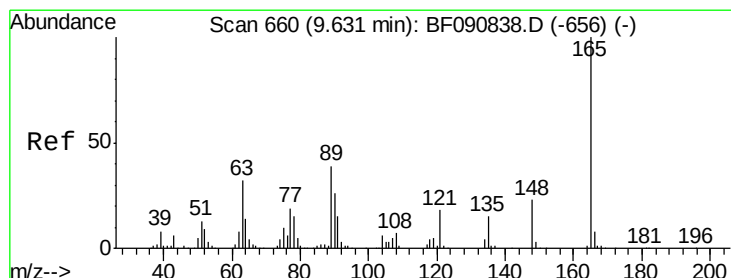
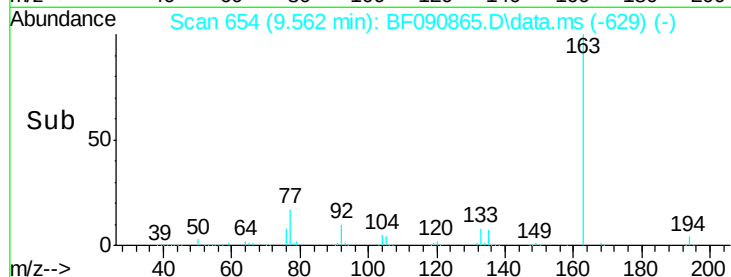
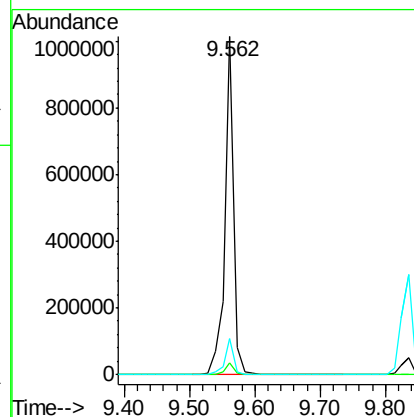
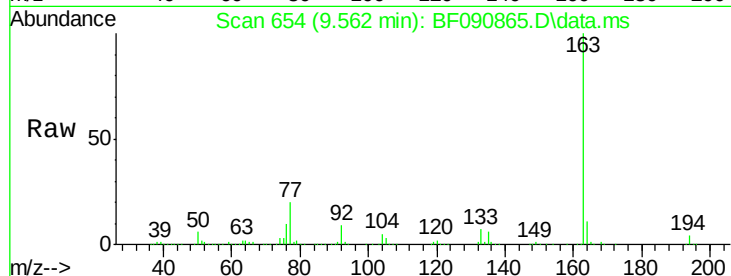
Tot Ion:163 Resp: 967688

Ion Ratio Lower Upper

163 100

194 3.6 4.4 6.6#

164 10.5 8.3 12.5



#50

2,6-Dinitrotoluene

Concen: 38.71 ng

RT: 9.619 min Scan# 659

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

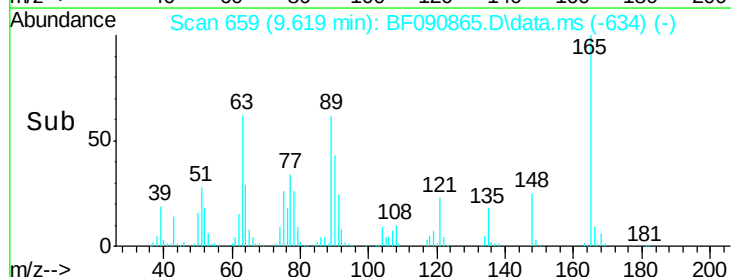
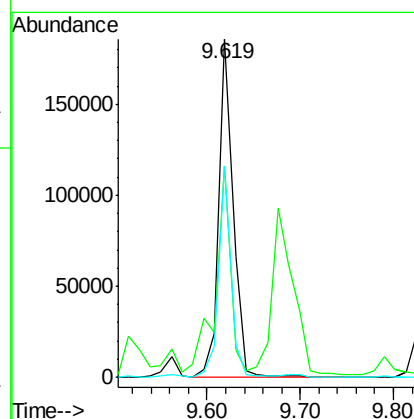
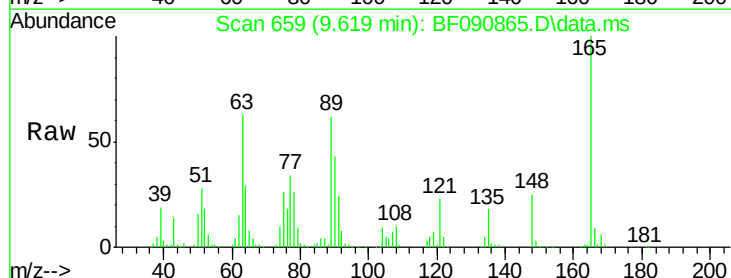
Tgt Ion:165 Resp: 198581

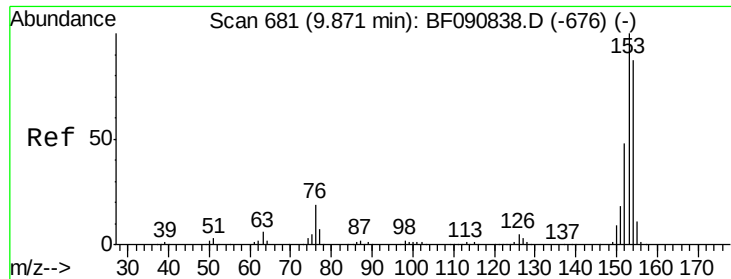
Ion Ratio Lower Upper

165 100

63 62.6 32.3 48.5#

89 62.4 28.6 43.0#





#51

Acenaphthene

Concen: 44.88 ng

RT: 9.870 min Scan# 681

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

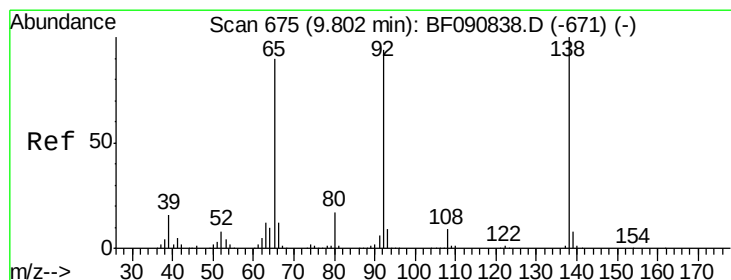
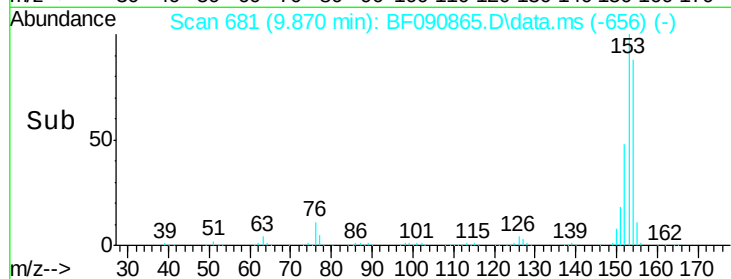
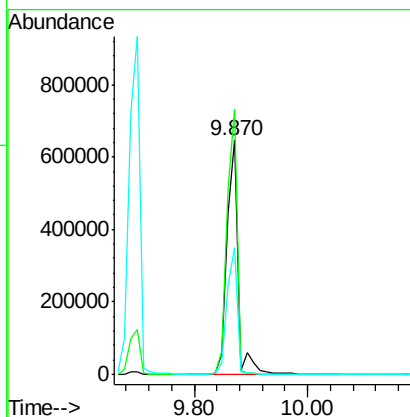
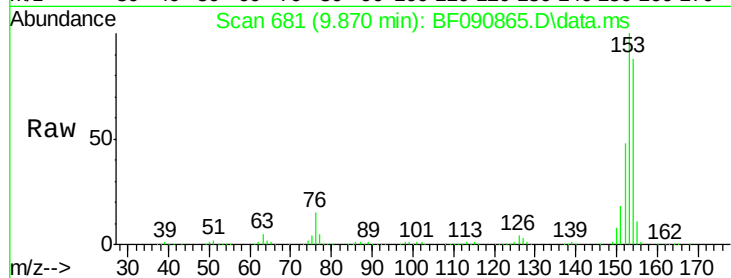
Tot Ion:154 Resp: 891591

Ion Ratio Lower Upper

154 100

153 113.2 82.1 123.1

152 54.2 37.9 56.9



#52

3-Nitroaniline

Concen: 16.47 ng

RT: 9.790 min Scan# 674

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

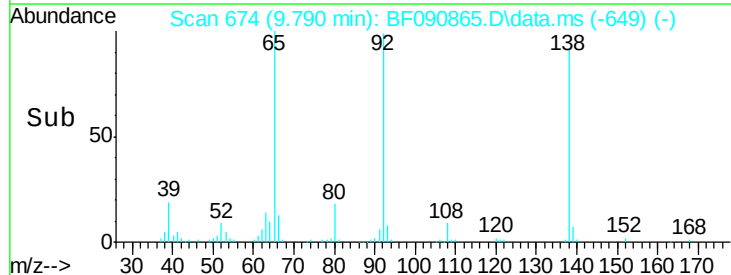
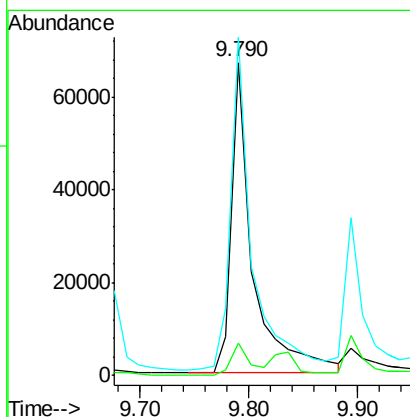
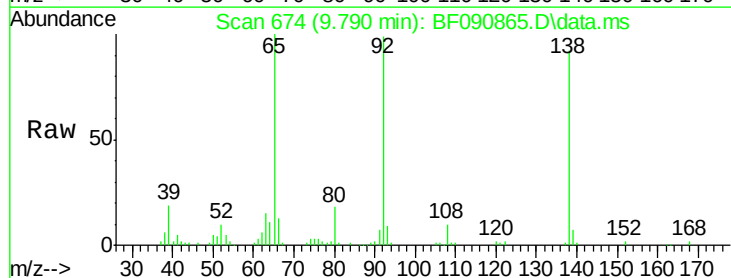
Tgt Ion:138 Resp: 89973

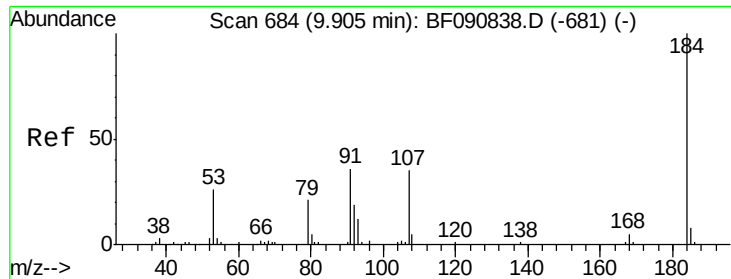
Ion Ratio Lower Upper

138 100

108 10.4 5.7 8.5#

92 108.1 67.7 101.5#

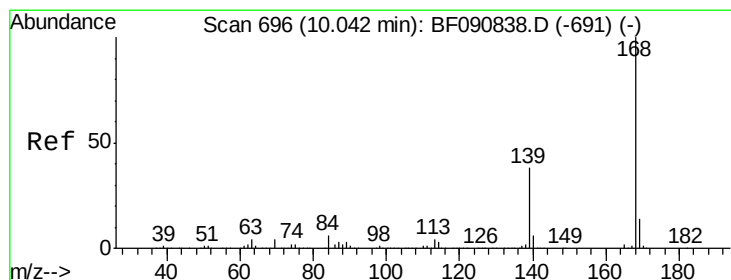
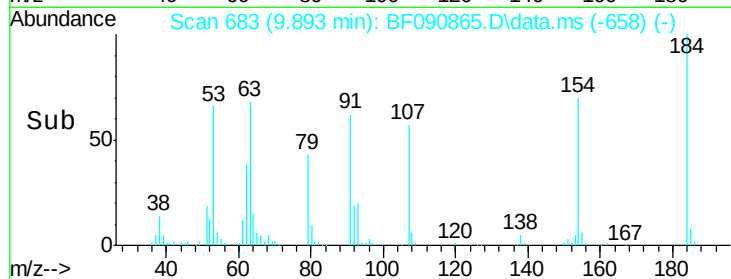
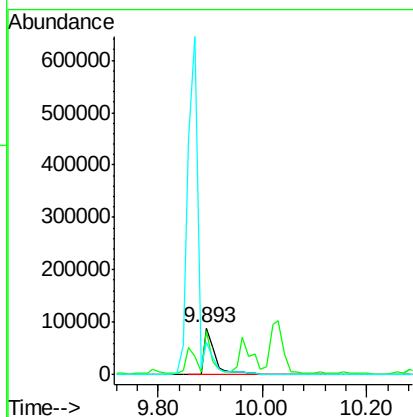
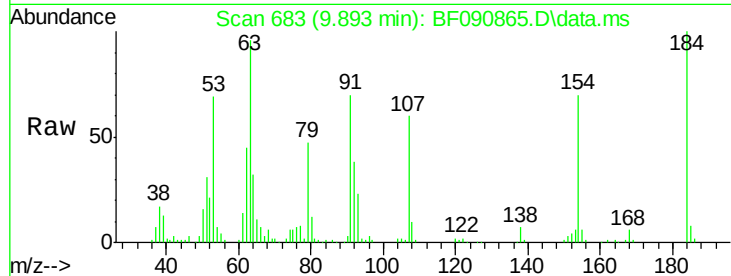




#53  
 2,4-Dinitrophenol  
 Concen: 48.71 ng  
 RT: 9.893 min Scan# 68  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

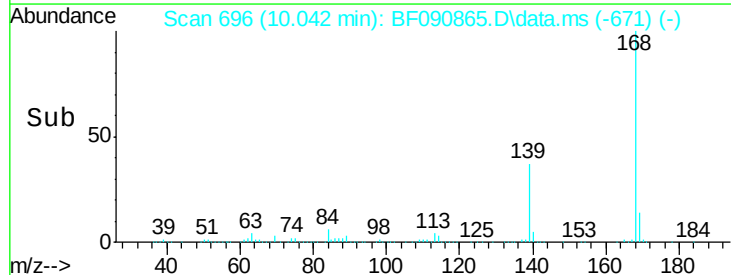
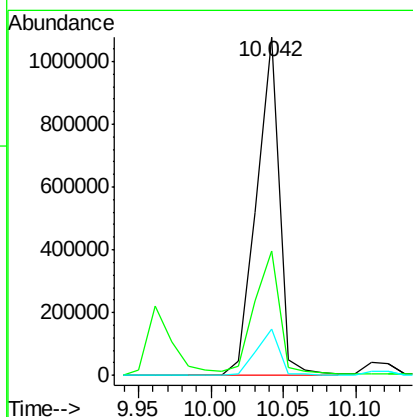
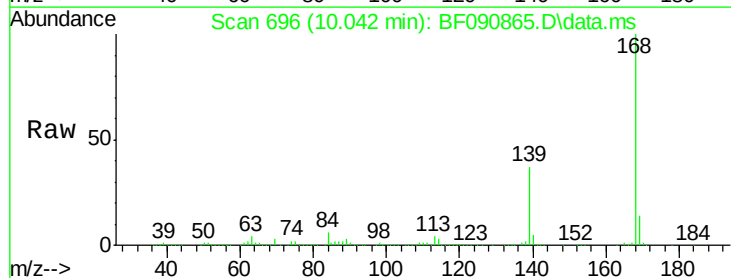
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

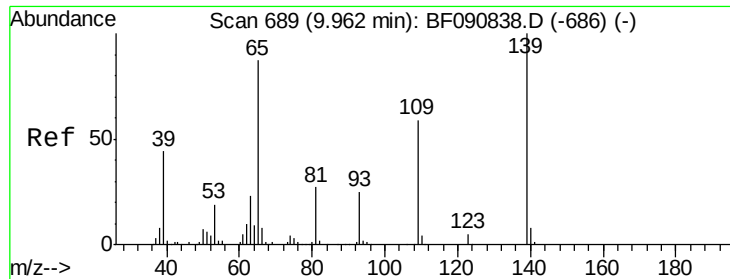
Tot Ion:184 Resp: 131548  
 Ion Ratio Lower Upper  
 184 100  
 63 95.6 35.4 53.2#  
 154 70.3 32.2 48.4#



#54  
 Dibenzofuran  
 Concen: 46.00 ng  
 RT: 10.042 min Scan# 696  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

Tgt Ion:168 Resp: 1179400  
 Ion Ratio Lower Upper  
 168 100  
 139 36.6 24.2 36.2#  
 169 13.6 10.6 15.8





#55

4-Nitrophenol

Concen: 82.87 ng

RT: 9.962 min Scan# 689

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

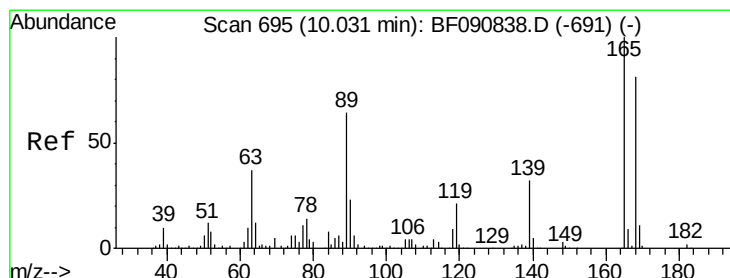
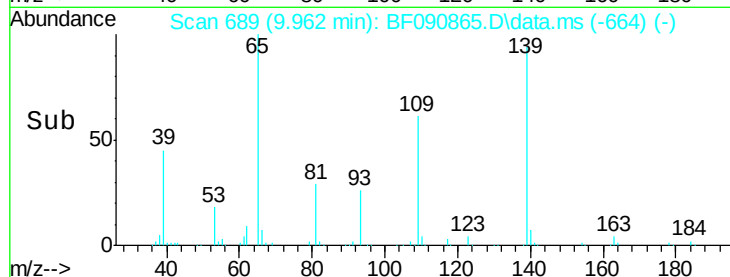
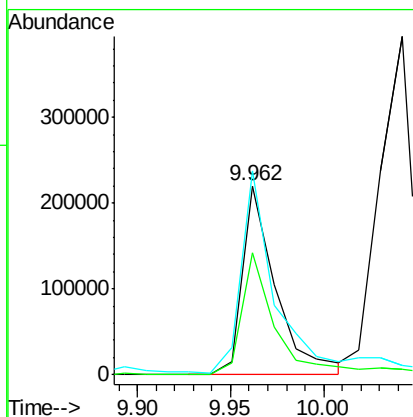
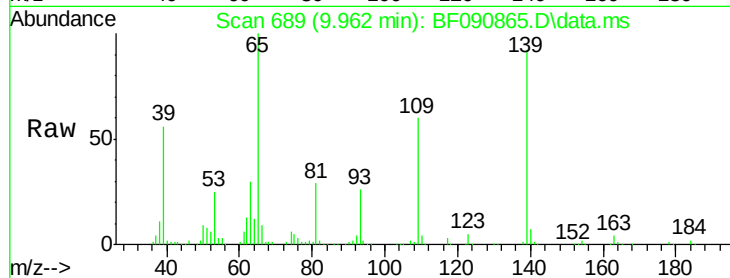
Tot Ion:139 Resp: 276004

Ion Ratio Lower Upper

139 100

109 64.8 12.7 52.7#

65 108.2 45.9 85.9#



#56

2,4-Dinitrotoluene

Concen: 47.20 ng

RT: 10.031 min Scan# 695

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Tgt Ion:165 Resp: 300796

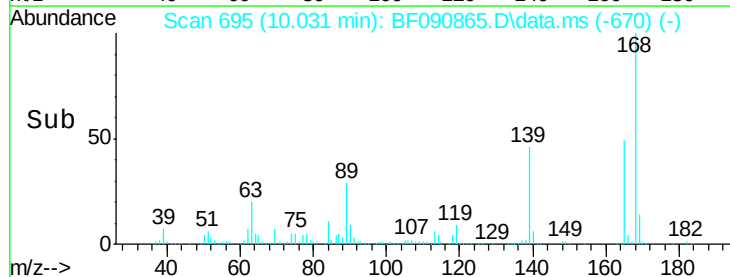
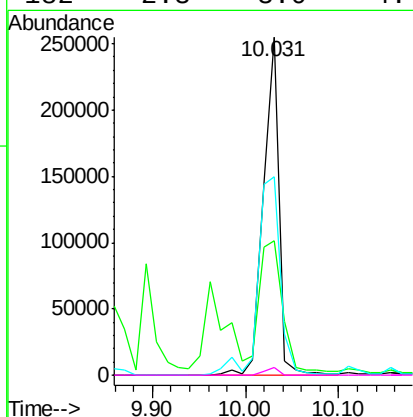
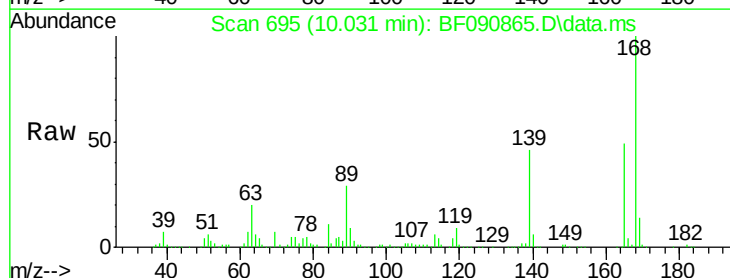
Ion Ratio Lower Upper

165 100

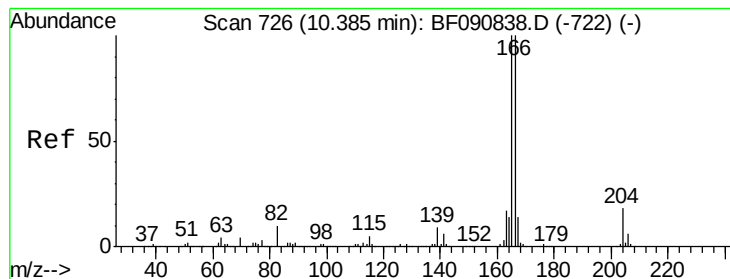
63 40.0 29.8 44.6

89 58.7 44.5 66.7

182 2.3 3.0 4.4#







#57

Fluorene

Concen: 44.47 ng

RT: 10.385 min Scan# 72

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

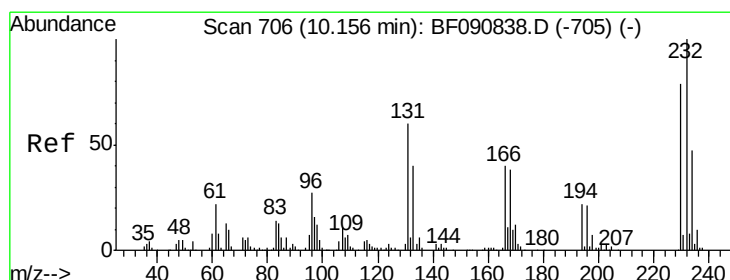
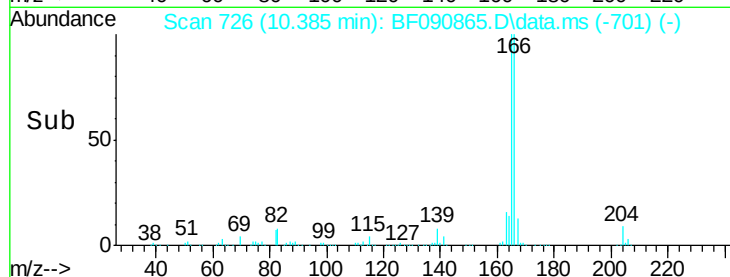
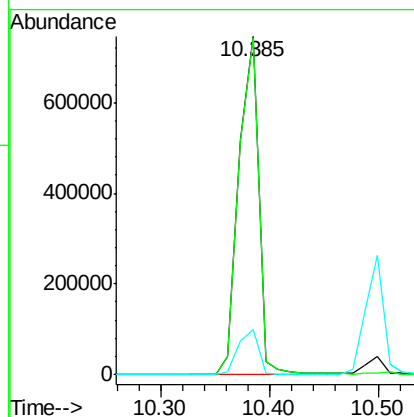
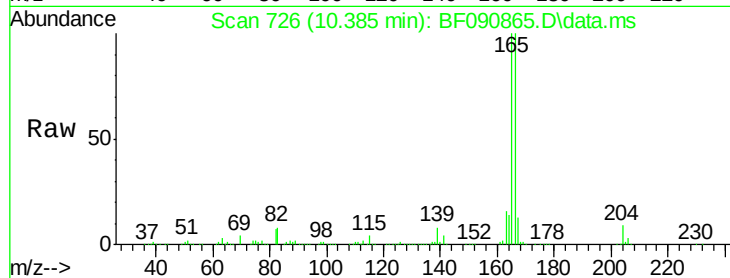
Tot Ion:166 Resp: 933818

Ion Ratio Lower Upper

166 100

165 99.7 72.6 109.0

167 13.4 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.85 ng

RT: 10.156 min Scan# 706

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Tgt Ion:232 Resp: 220012

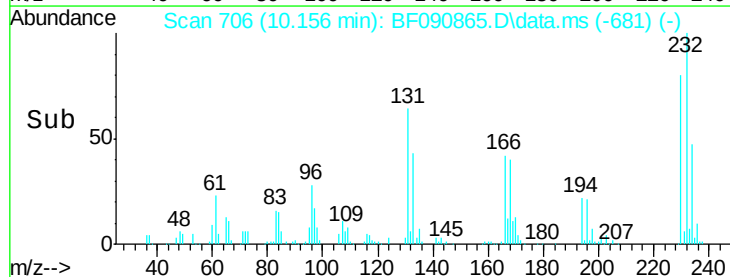
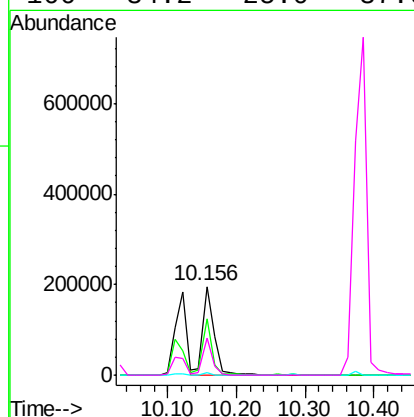
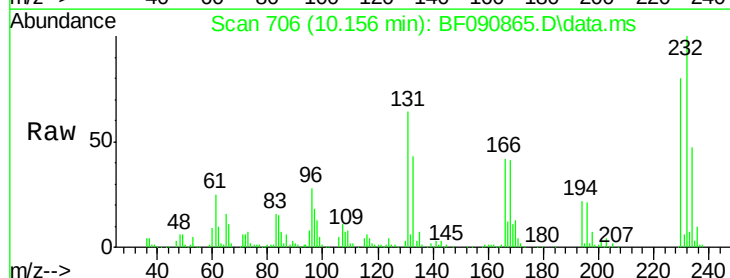
Ion Ratio Lower Upper

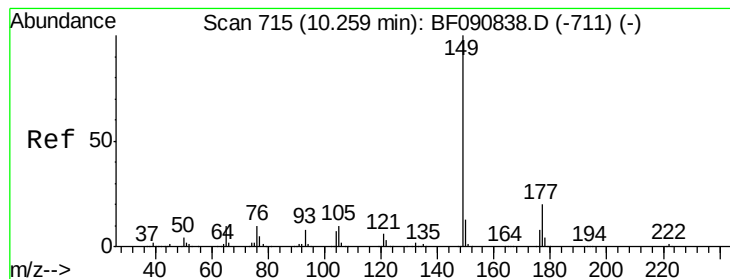
232 100

131 53.0 38.5 57.7

130 2.2 1.8 2.6

166 34.2 25.0 37.6





#59

Diethylphthalate

Concen: 42.26 ng

RT: 10.259 min Scan# 715

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

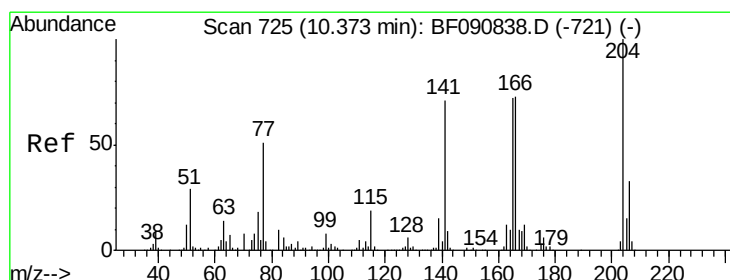
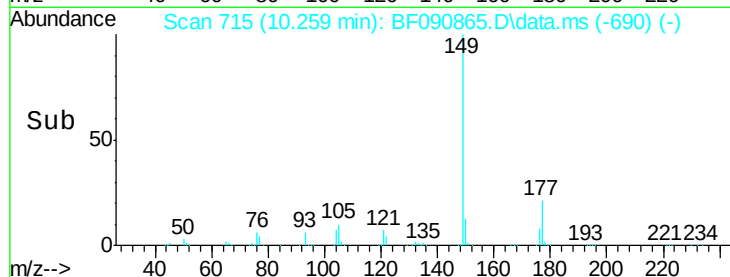
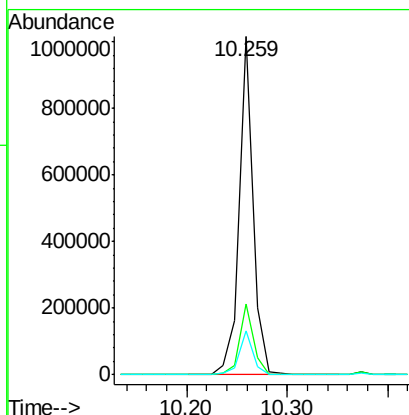
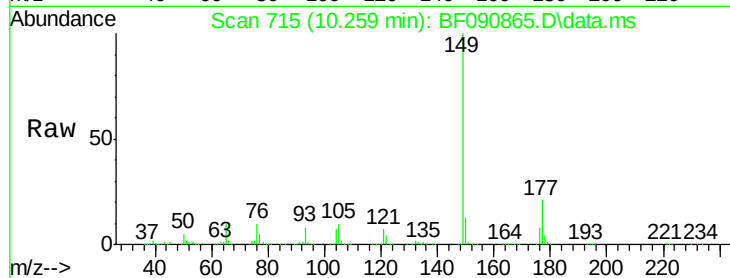
Tot Ion:149 Resp: 975069

Ion Ratio Lower Upper

149 100

177 20.8 17.5 26.3

150 13.0 9.4 14.2



#60

4-Chlorophenyl-phenylether

Concen: 43.80 ng

RT: 10.373 min Scan# 725

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

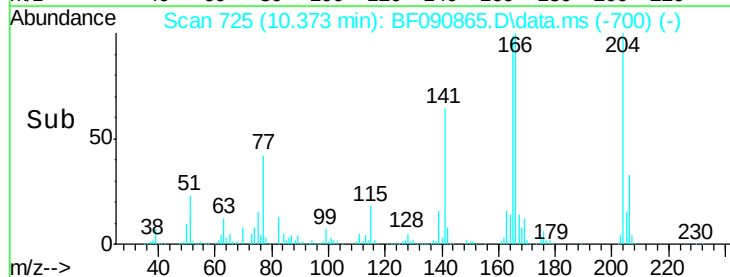
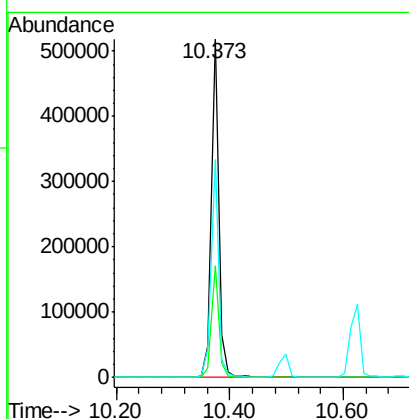
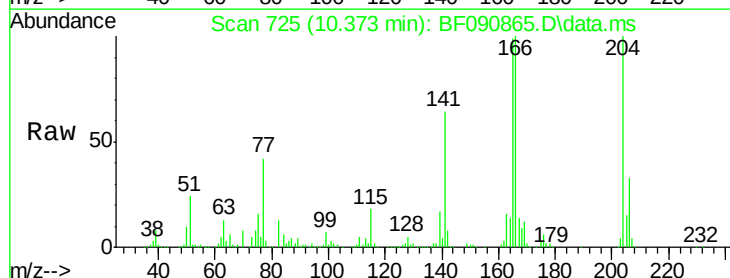
Tgt Ion:204 Resp: 448928

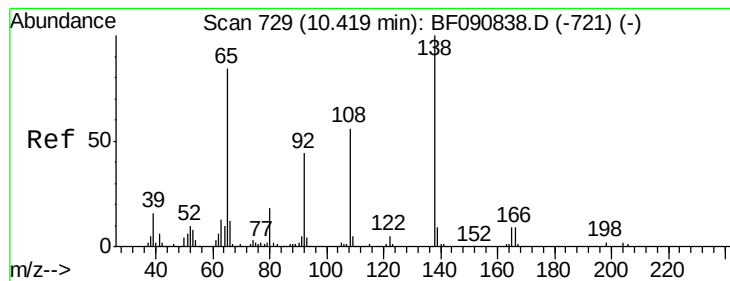
Ion Ratio Lower Upper

204 100

206 32.9 24.8 37.2

141 64.5 42.2 63.4#





#61

4-Nitroaniline

Concen: 35.47 ng

RT: 10.408 min Scan# 72

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

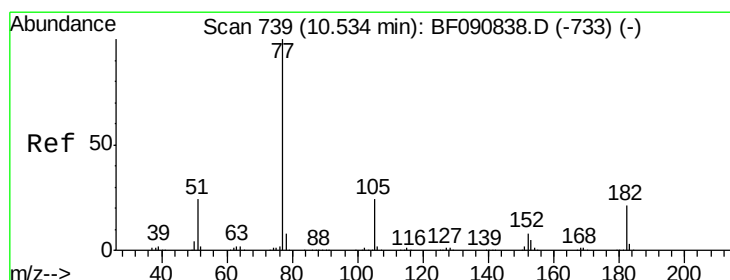
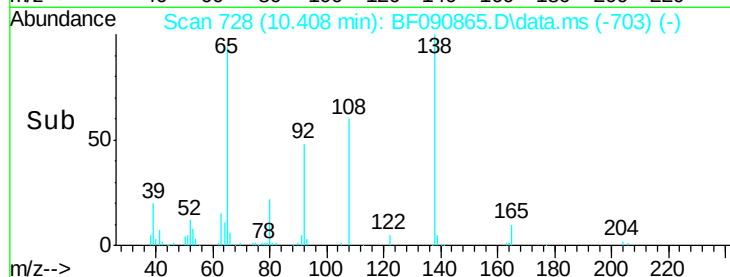
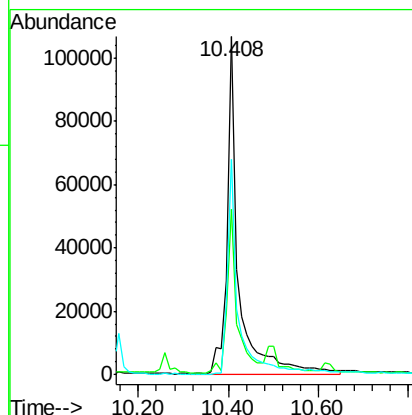
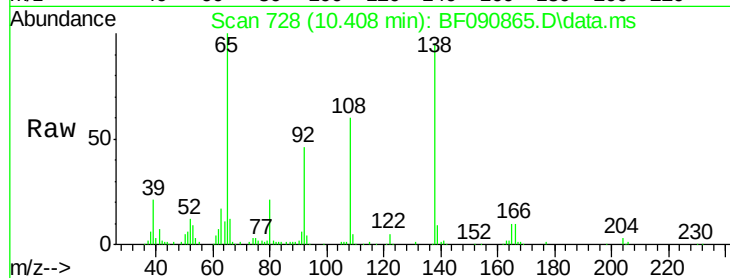
Tot Ion:138 Resp: 191855

Ion Ratio Lower Upper

138 100

92 48.8 12.6 52.6

108 63.7 12.4 52.4#



#62

Azobenzene

Concen: 48.05 ng

RT: 10.533 min Scan# 739

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Tgt Ion: 77 Resp: 1090286

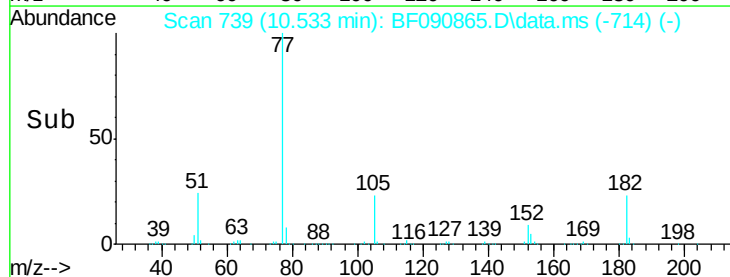
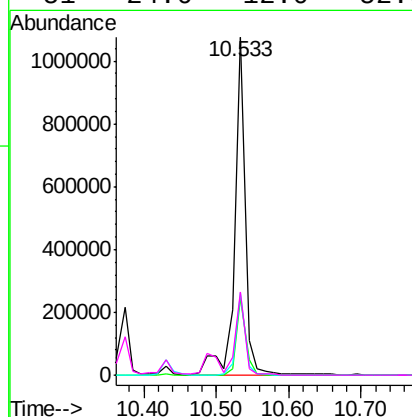
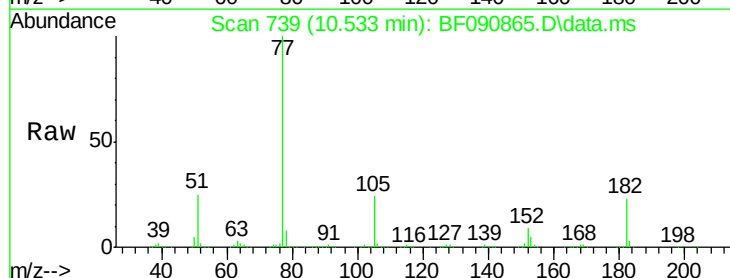
Ion Ratio Lower Upper

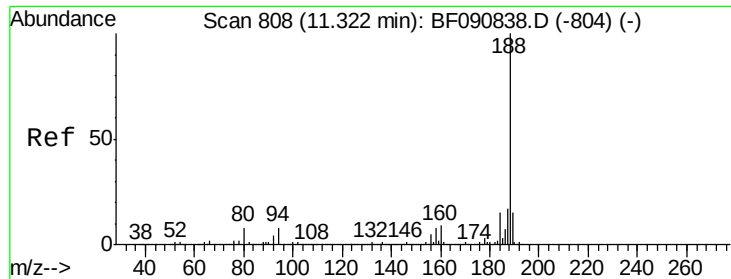
77 100

182 22.8 15.1 55.1

105 24.4 3.4 43.4

51 24.6 12.0 52.0

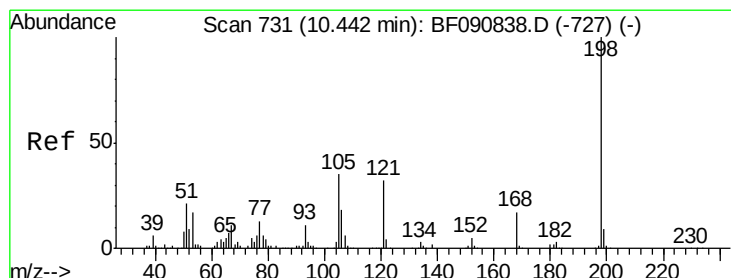
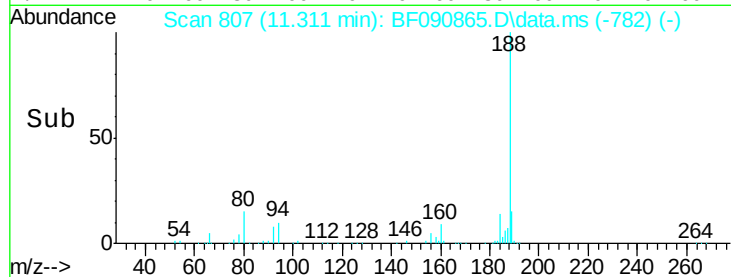
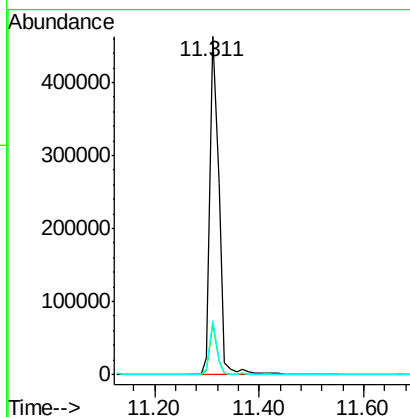
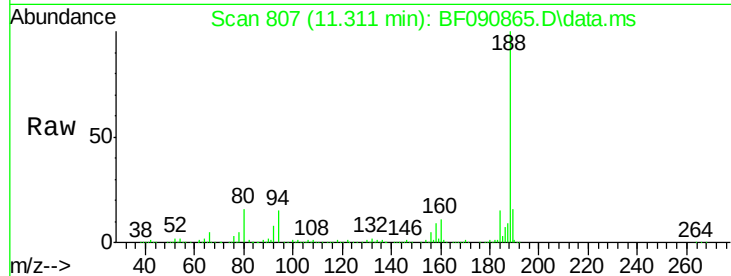




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.311 min Scan# 80  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

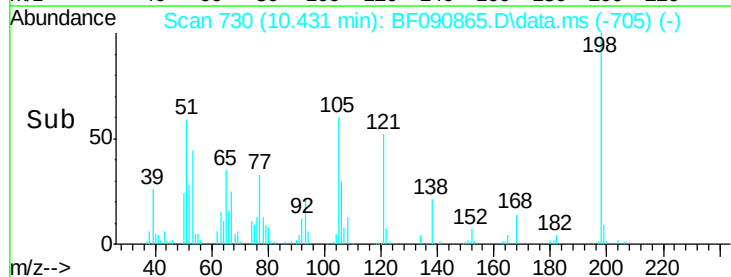
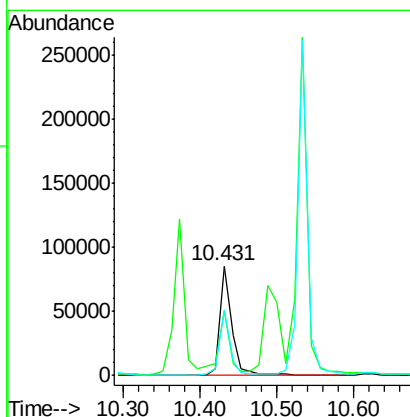
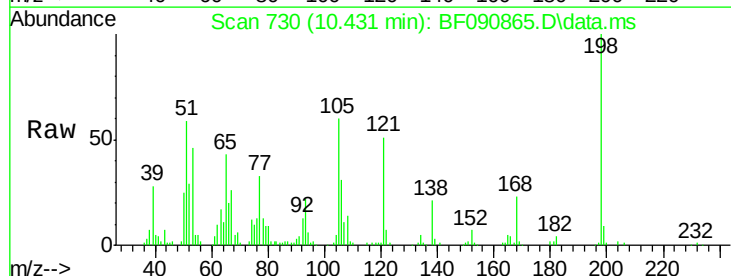
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

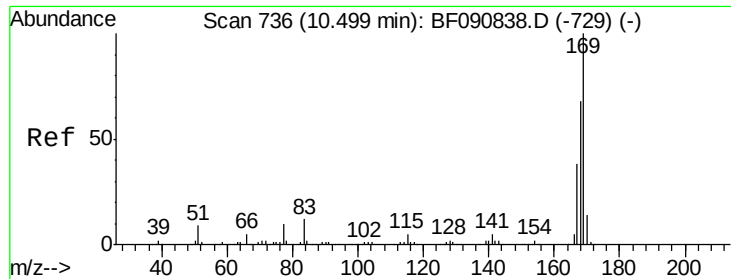
Tot Ion:188 Resp: 550032  
Ion Ratio Lower Upper  
188 100  
94 14.7 11.1 16.7  
80 16.1 11.0 16.4



#64  
4,6-Dinitro-2-methylphenol  
Concen: 25.58 ng  
RT: 10.431 min Scan# 730  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion:198 Resp: 93290  
Ion Ratio Lower Upper  
198 100  
51 59.4 39.6 79.6  
105 59.6 28.5 68.5

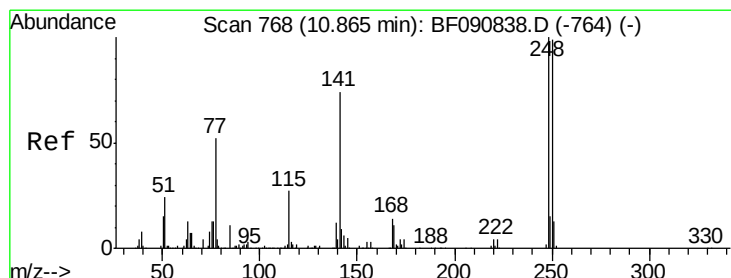
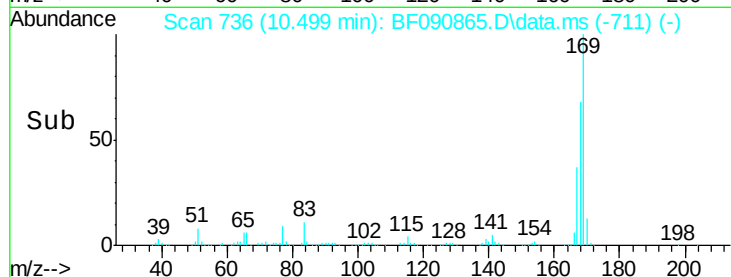
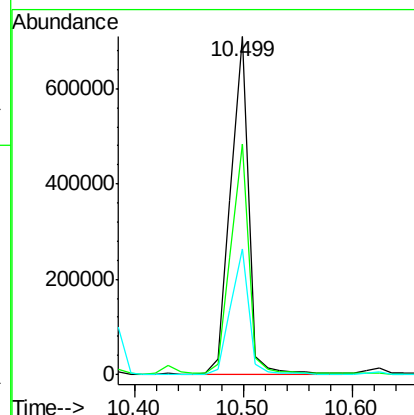
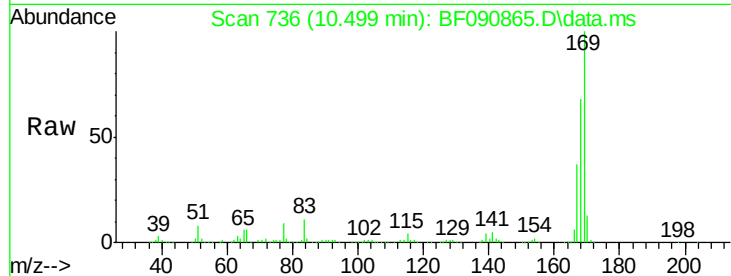




#65  
 n-Nitrosodiphenylamine  
 Concen: 48.29 ng  
 RT: 10.499 min Scan# 736  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

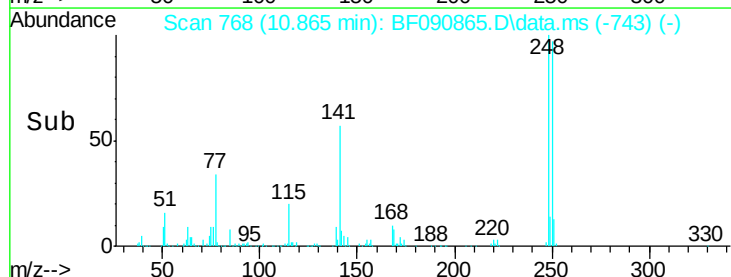
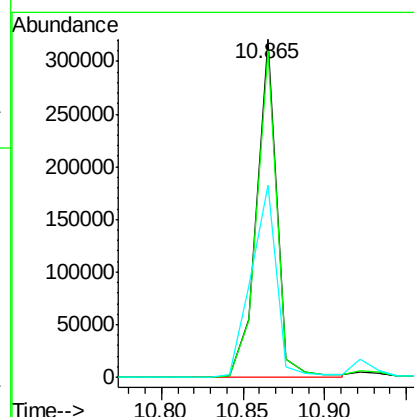
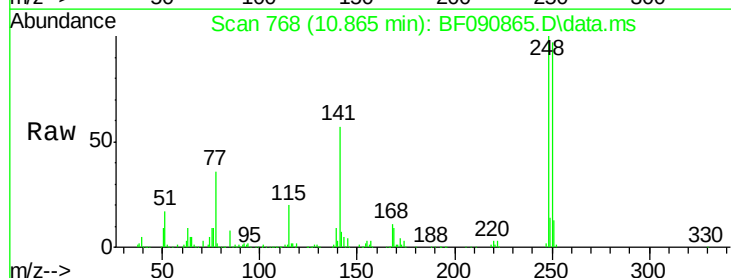
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

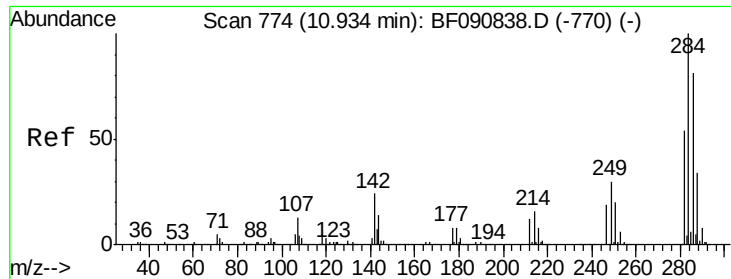
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.3  | 48.9  | 73.3  |
| 167     | 37.2  | 26.2  | 39.4  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.15 ng  
 RT: 10.865 min Scan# 768  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.7  | 78.5  | 117.7 |
| 141     | 56.7  | 59.0  | 88.6# |





#67

Hexachlorobenzene

Concen: 40.80 ng

RT: 10.933 min Scan# 774

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

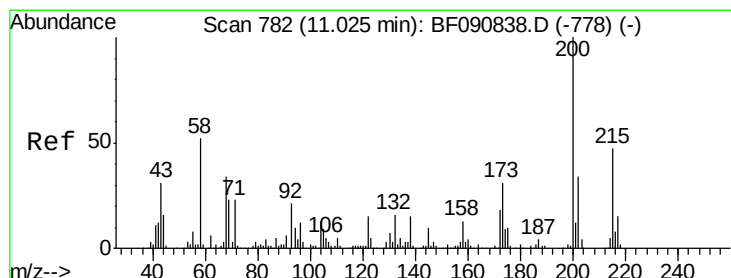
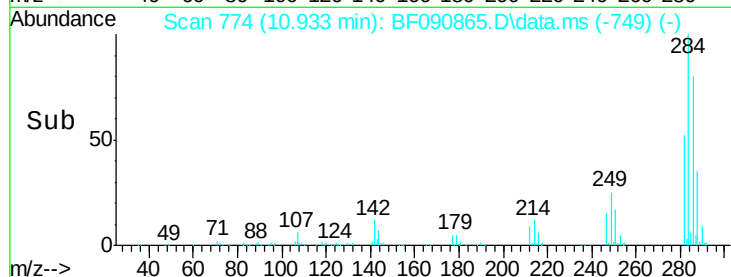
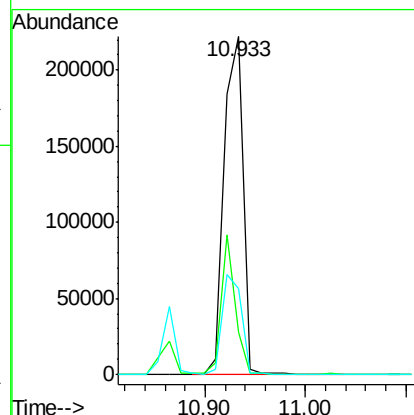
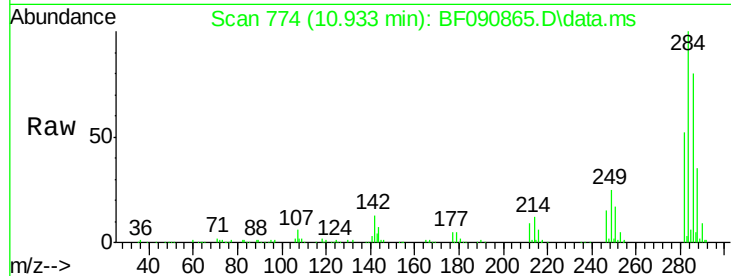
Tot Ion:284 Resp: 290835

Ion Ratio Lower Upper

284 100

142 12.6 29.5 44.3#

249 25.5 19.5 29.3



#68

Atrazine

Concen: 43.62 ng

RT: 11.025 min Scan# 782

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

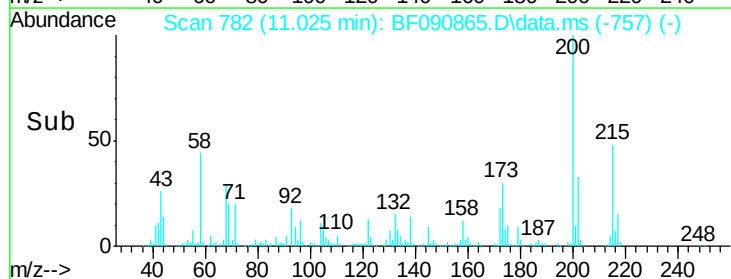
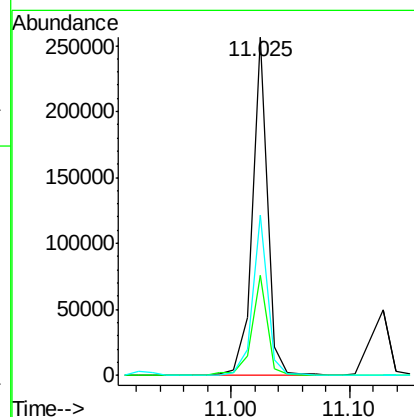
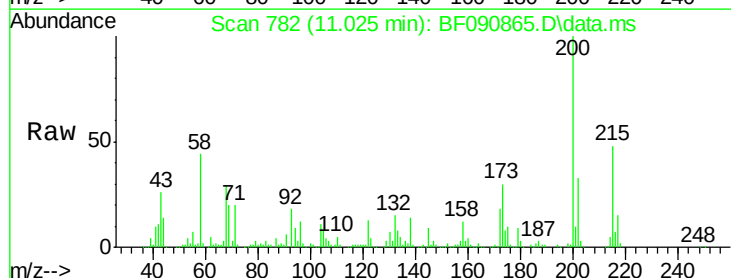
Tgt Ion:200 Resp: 227367

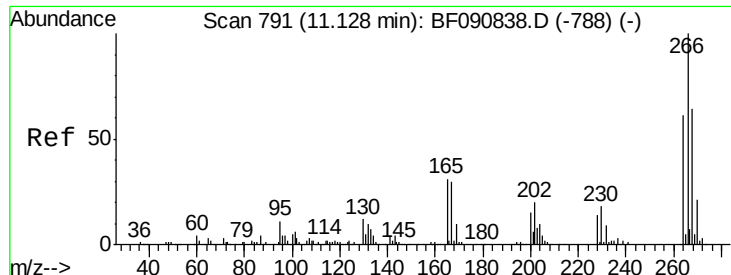
Ion Ratio Lower Upper

200 100

173 29.6 13.2 53.2

215 47.5 41.8 81.8

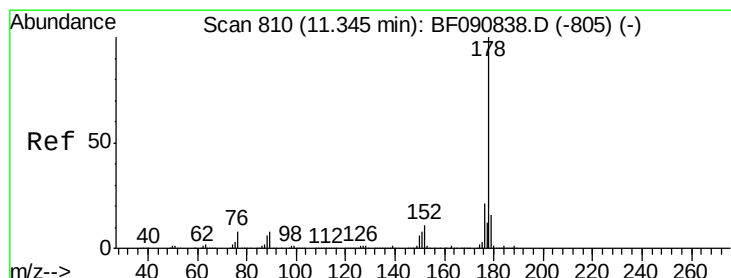
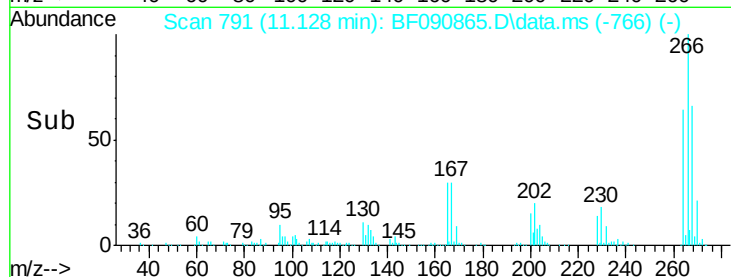
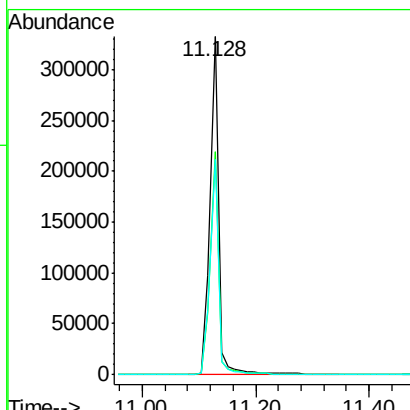
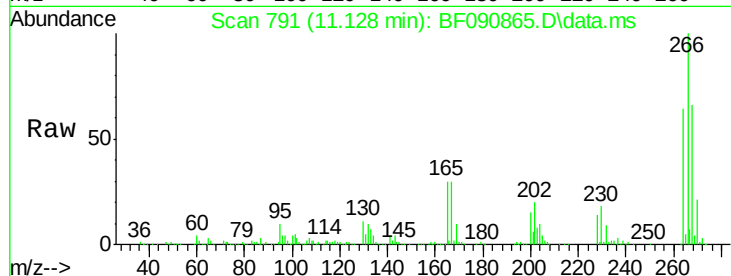




#69  
 Pentachlorophenol  
 Concen: 87.06 ng  
 RT: 11.128 min Scan# 791  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

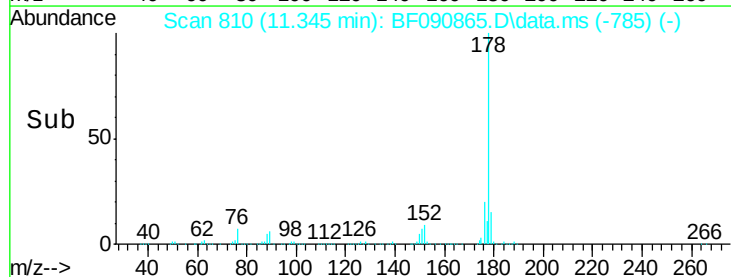
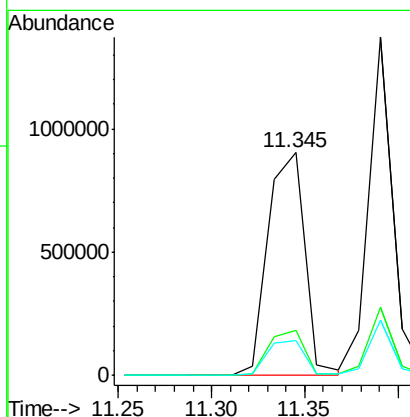
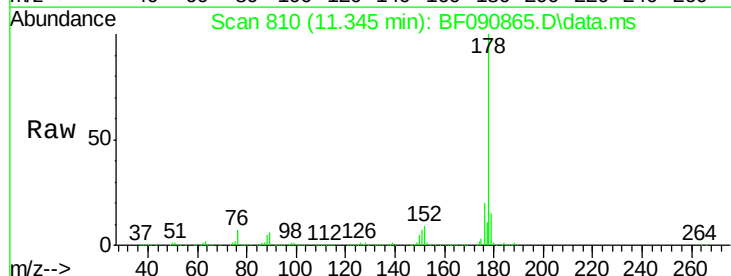
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

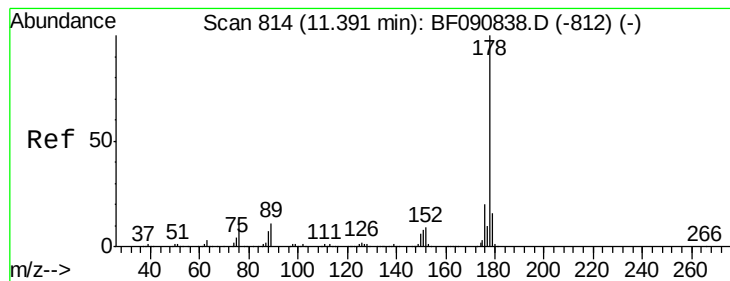
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.9  | 49.8  | 74.6  |
| 264     | 63.8  | 50.2  | 75.2  |



#70  
 Phenanthrene  
 Concen: 44.18 ng  
 RT: 11.345 min Scan# 810  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 13.8  | 20.8  |
| 179     | 15.3  | 12.2  | 18.2  |





#71

Anthracene

Concen: 43.24 ng

RT: 11.391 min Scan# 81

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

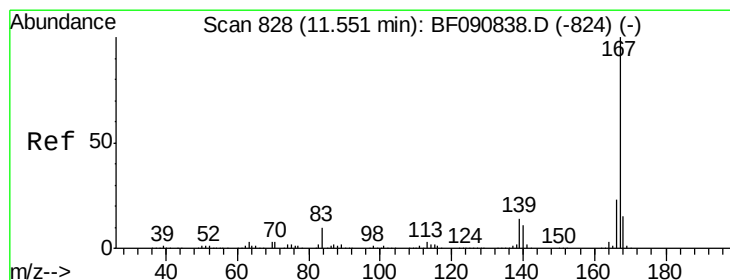
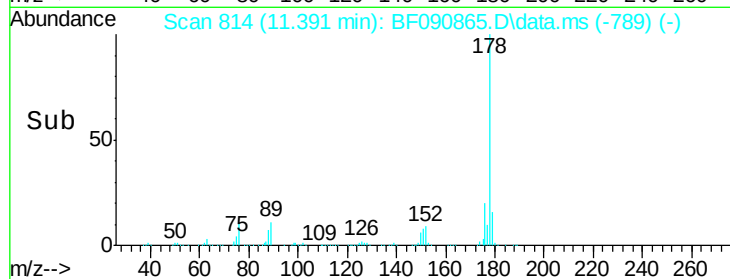
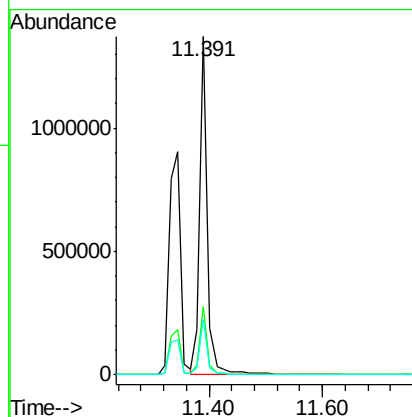
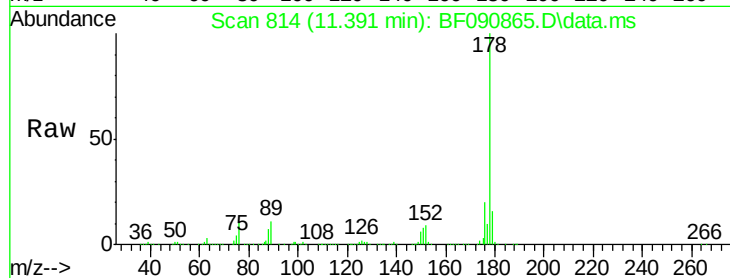
Tot Ion:178 Resp: 1275409

Ion Ratio Lower Upper

178 100

176 19.9 14.1 21.1

179 16.3 12.2 18.2



#72

Carbazole

Concen: 44.63 ng

RT: 11.551 min Scan# 828

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

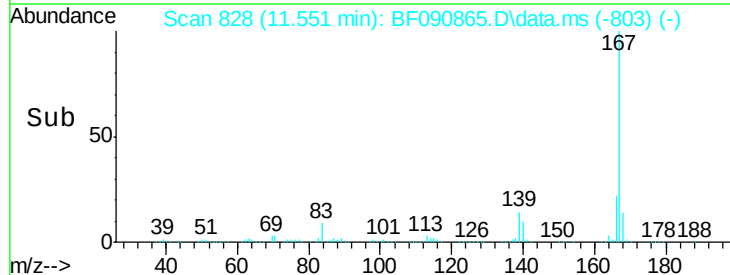
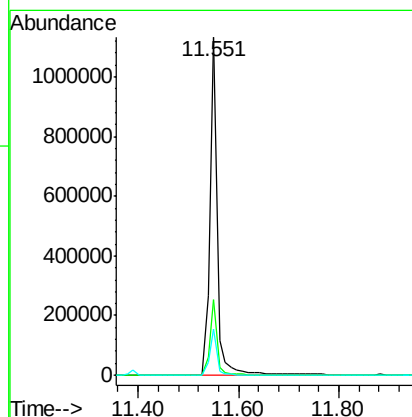
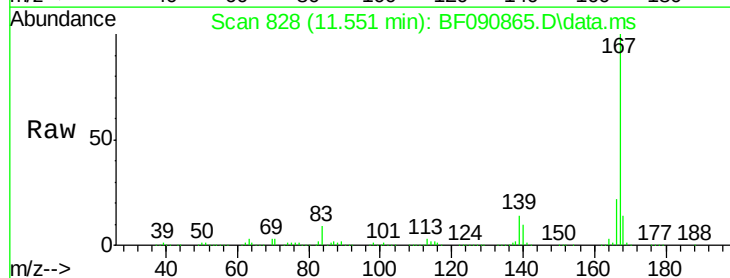
Tgt Ion:167 Resp: 1162487

Ion Ratio Lower Upper

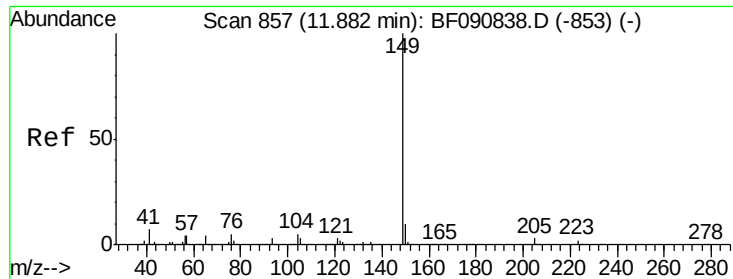
167 100

166 22.3 15.7 23.5

139 13.7 9.5 14.3



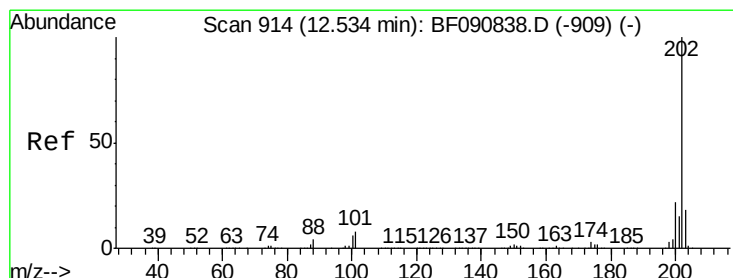
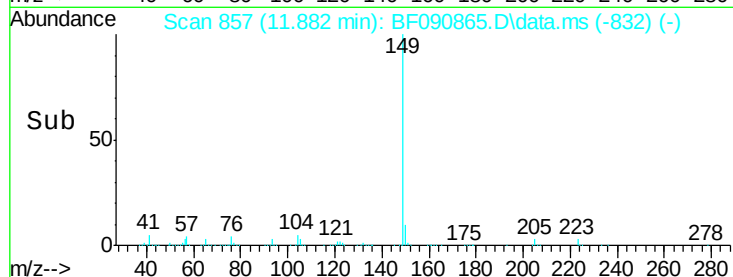
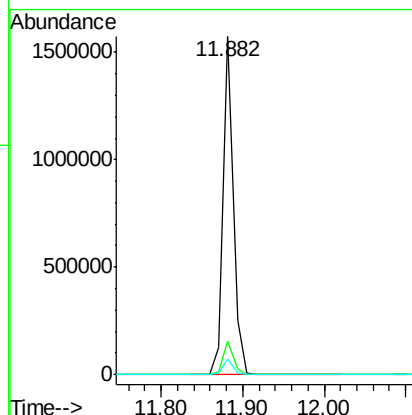
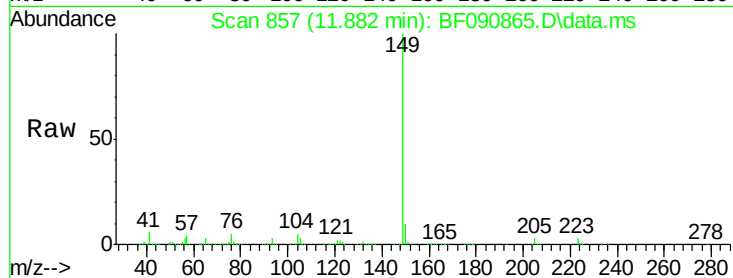




#73  
Di-n-butylphthalate  
Concen: 40.26 ng  
RT: 11.882 min Scan# 85  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

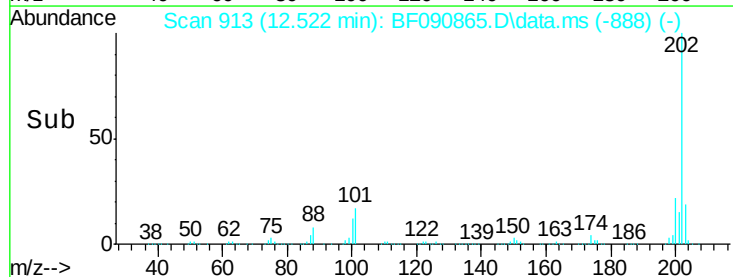
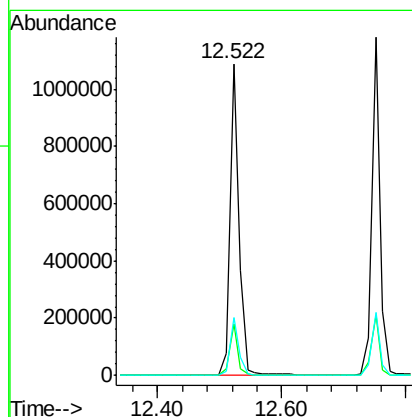
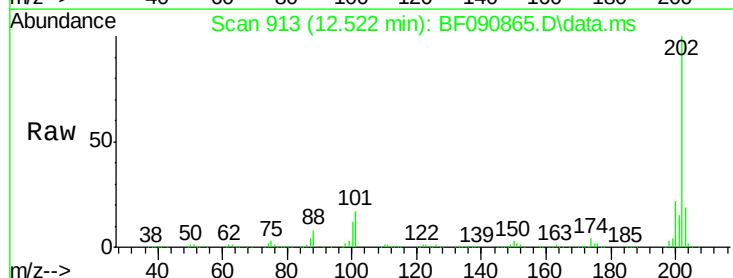
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

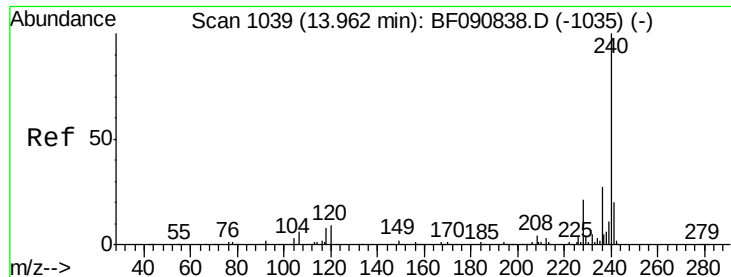
Tot Ion:149 Resp: 1351851  
Ion Ratio Lower Upper  
149 100  
150 10.0 7.4 11.2  
104 4.7 2.4 3.6#



#74  
Fluoranthene  
Concen: 35.86 ng  
RT: 12.522 min Scan# 913  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion:202 Resp: 1100079  
Ion Ratio Lower Upper  
202 100  
101 16.7 0.0 38.3  
203 18.5 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.951 min Scan# 10

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

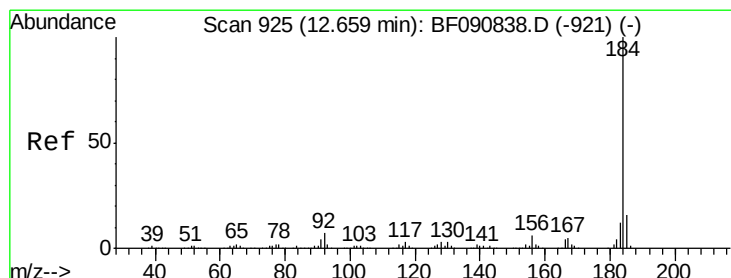
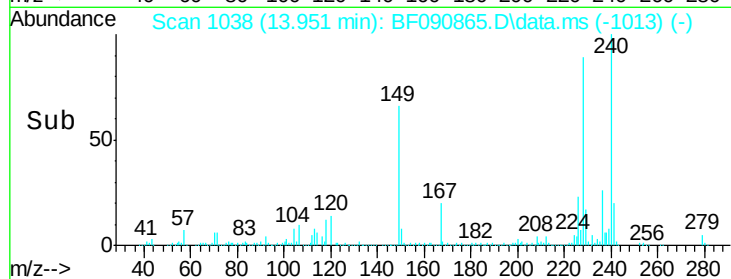
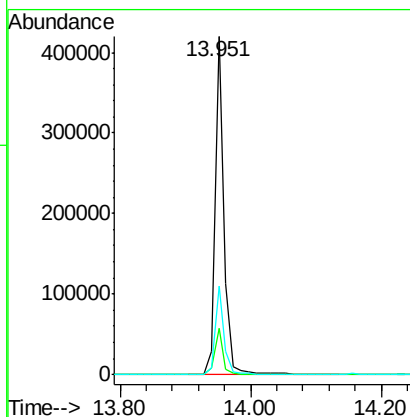
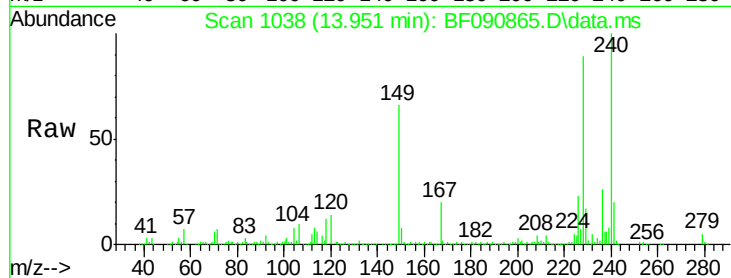
Tot Ion:240 Resp: 407459

Ion Ratio Lower Upper

240 100

120 13.7 16.2 24.2#

236 26.2 18.4 27.6



#76

Benzidine

Concen: 43.29 ng

RT: 12.648 min Scan# 924

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

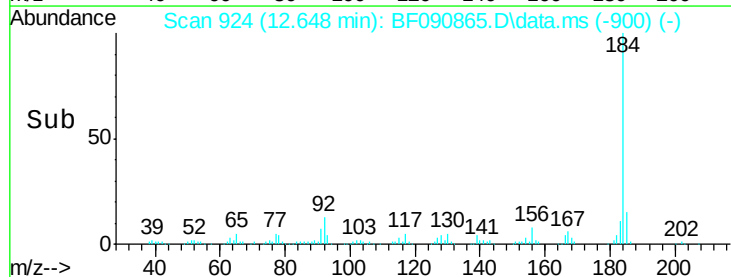
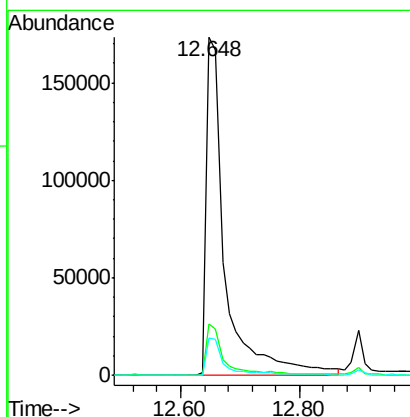
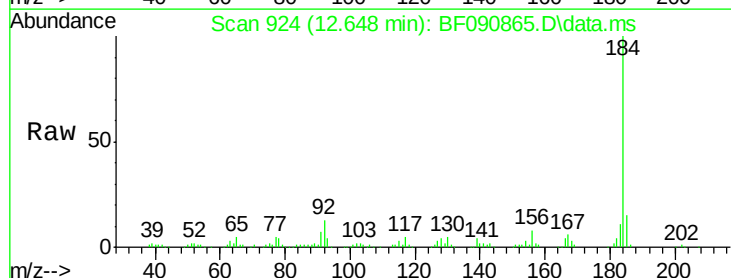
Tgt Ion:184 Resp: 385175

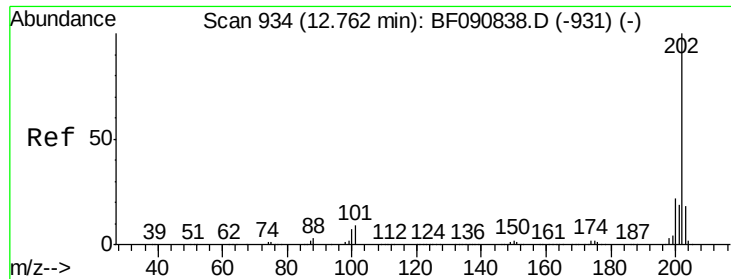
Ion Ratio Lower Upper

184 100

185 15.1 11.8 17.6

183 11.1 7.6 11.4

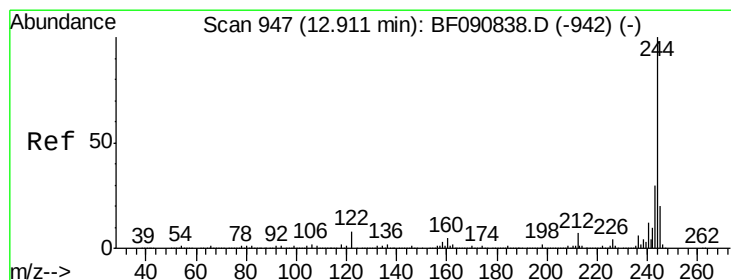
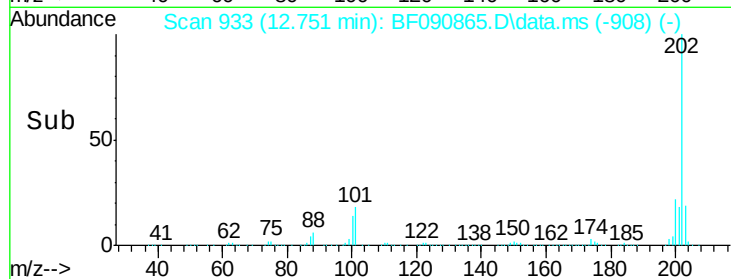
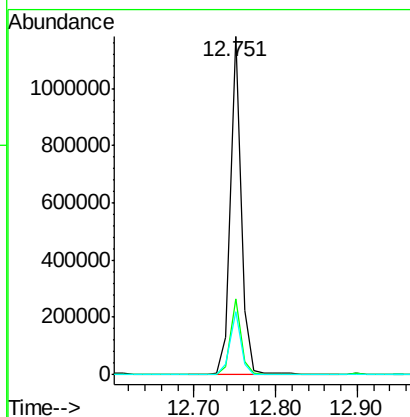
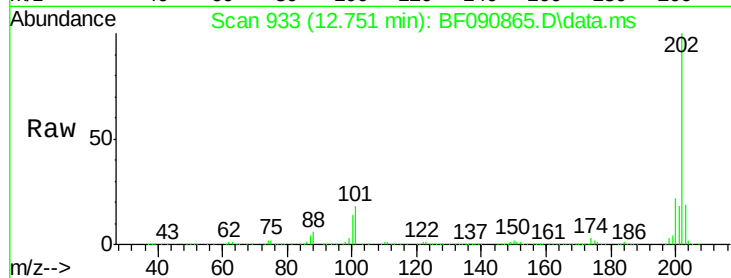




#77  
Pvrene  
Concen: 41.75 ng  
RT: 12.751 min Scan# 93  
Delta R.T. -0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

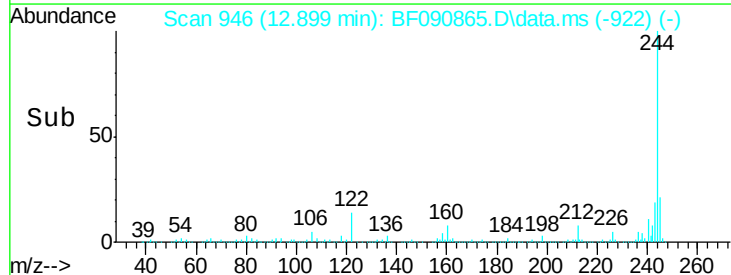
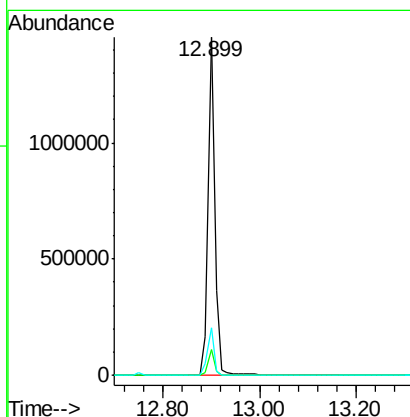
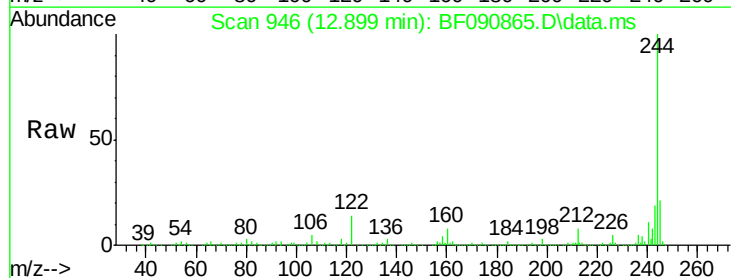
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

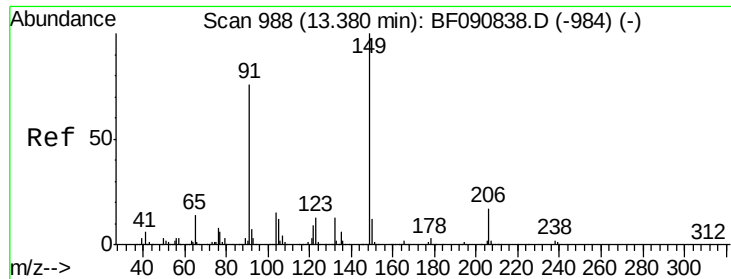
Tot Ion:202 Resp: 1076586  
Ion Ratio Lower Upper  
202 100  
200 22.3 15.0 22.4  
203 18.6 14.1 21.1



#78  
Terphenyl-d14  
Concen: 88.17 ng  
RT: 12.899 min Scan# 946  
Delta R.T. -0.023 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion:244 Resp: 1426002  
Ion Ratio Lower Upper  
244 100  
212 7.5 4.3 6.5#  
122 13.9 17.4 26.2#





#79

Butylbenzylphthalate

Concen: 51.12 ng

RT: 13.379 min Scan# 98

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

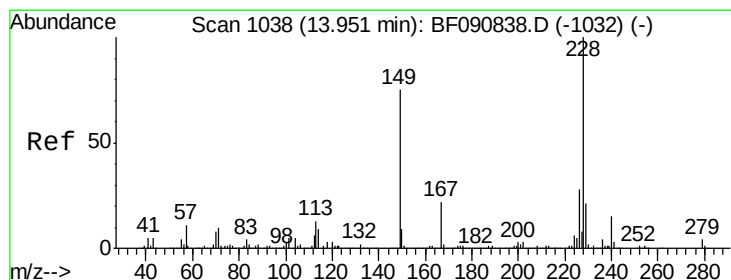
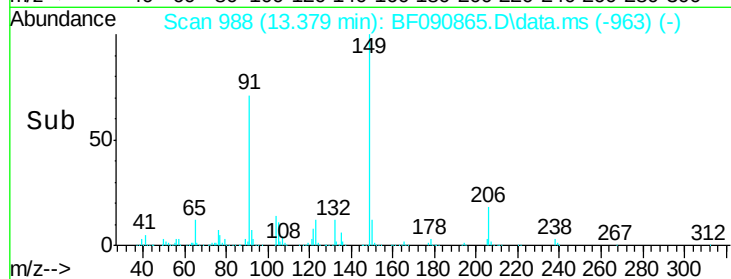
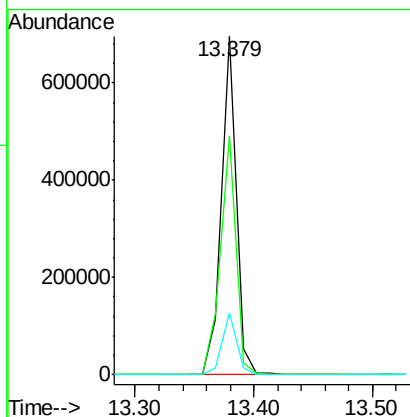
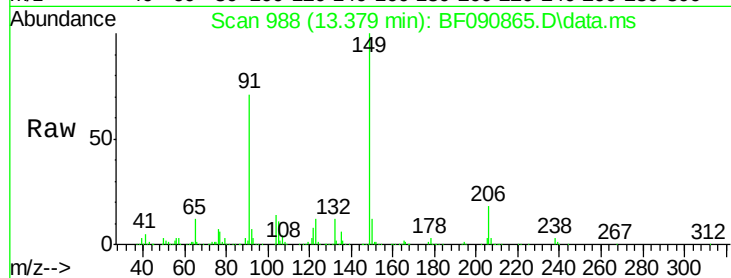
Tot Ion:149 Resp: 598097

Ion Ratio Lower Upper

149 100

91 70.6 48.6 72.8

206 18.3 14.9 22.3



#80

Benzo(a)anthracene

Concen: 43.00 ng

RT: 13.939 min Scan# 1037

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

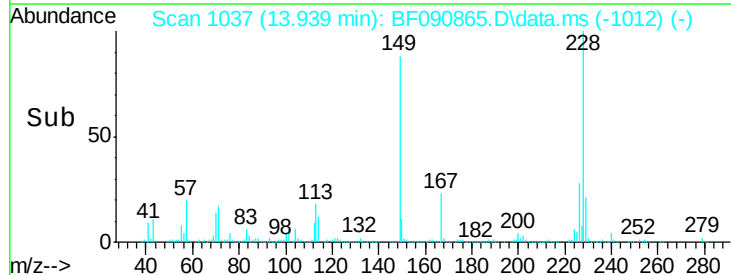
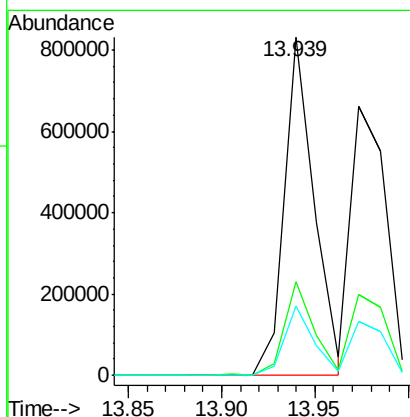
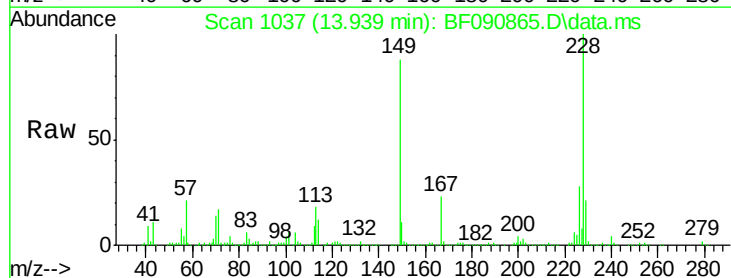
Tgt Ion:228 Resp: 929785

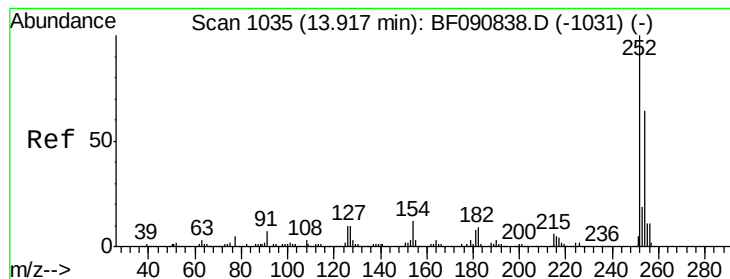
Ion Ratio Lower Upper

228 100

226 27.8 20.0 30.0

229 20.5 15.4 23.2

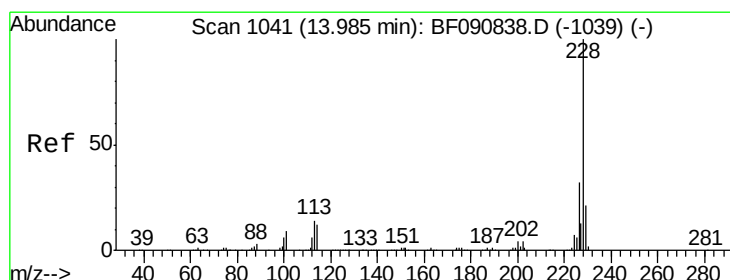
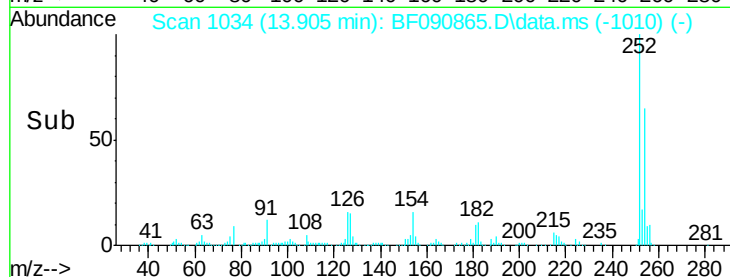
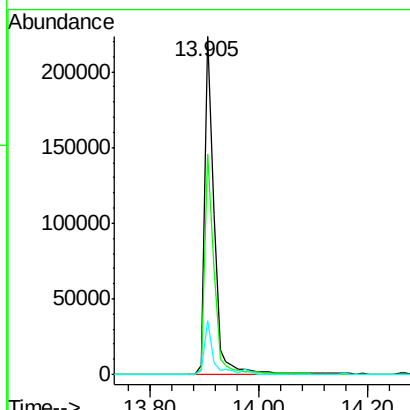
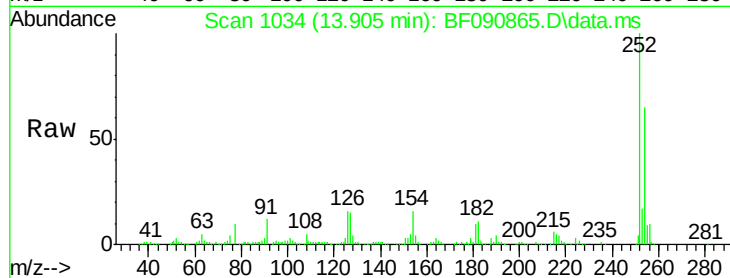




#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.90 ng  
 RT: 13.905 min Scan# 1034  
 Delta R.T. -0.023 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

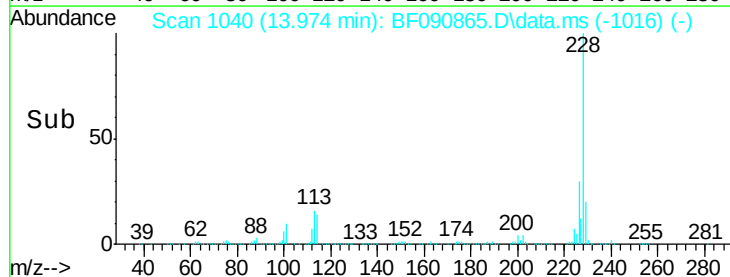
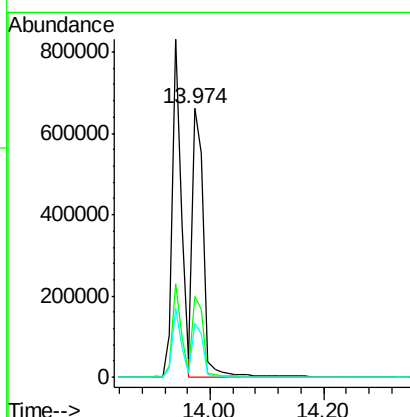
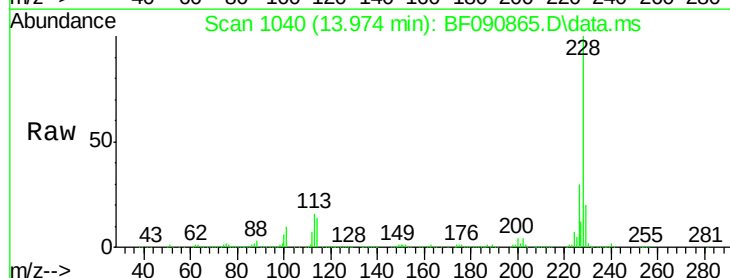
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

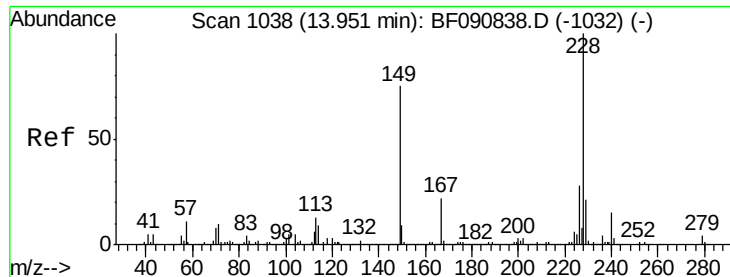
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.2  | 51.4  | 77.2  |
| 126     | 15.9  | 16.4  | 24.6# |



#82  
 Chrysene  
 Concen: 41.46 ng  
 RT: 13.974 min Scan# 1040  
 Delta R.T. -0.023 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 21.0  | 31.4  |
| 229     | 20.1  | 15.6  | 23.4  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.21 ng

RT: 13.939 min Scan# 1037

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

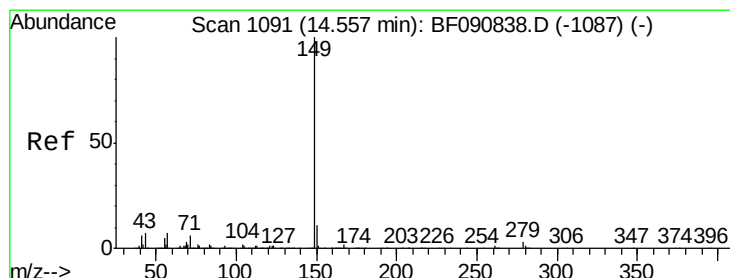
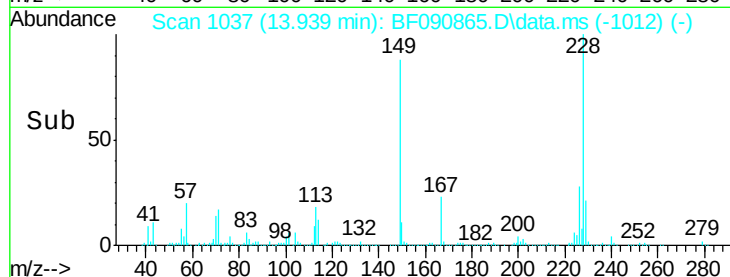
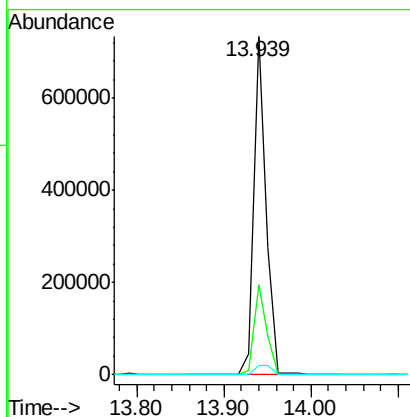
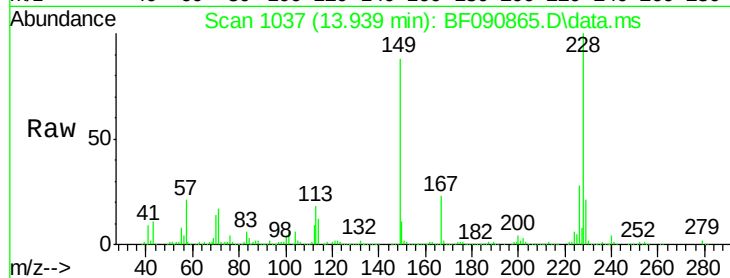
Tot Ion:149 Resp: 734549

Ion Ratio Lower Upper

149 100

167 26.4 24.2 36.2

279 2.6 3.8 5.6#



#84

Di-n-octyl phthalate

Concen: 48.80 ng

RT: 14.557 min Scan# 1091

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

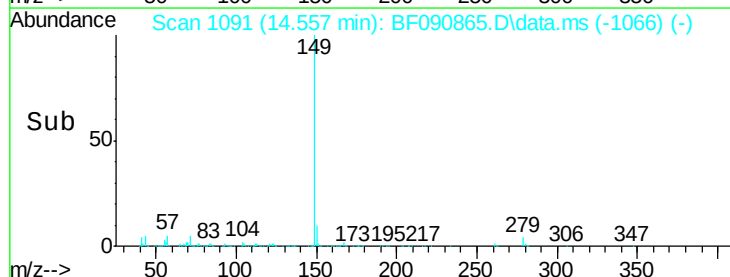
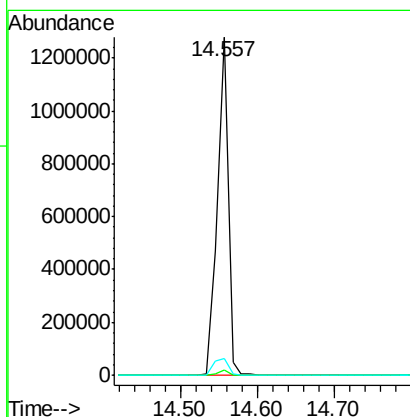
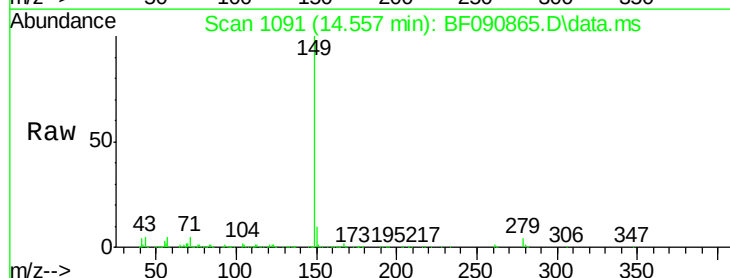
Tgt Ion:149 Resp: 1248476

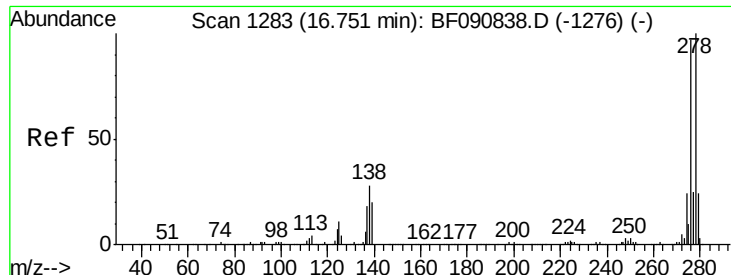
Ion Ratio Lower Upper

149 100

167 1.7 1.0 1.6#

43 6.6 10.2 15.2#

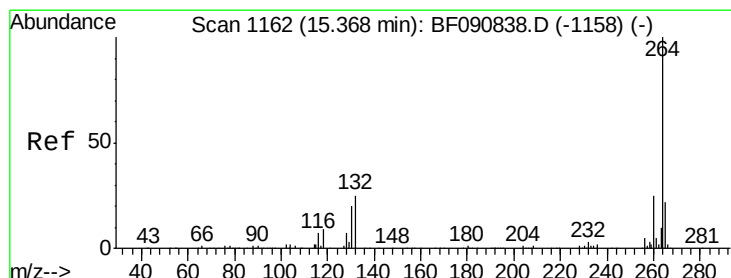
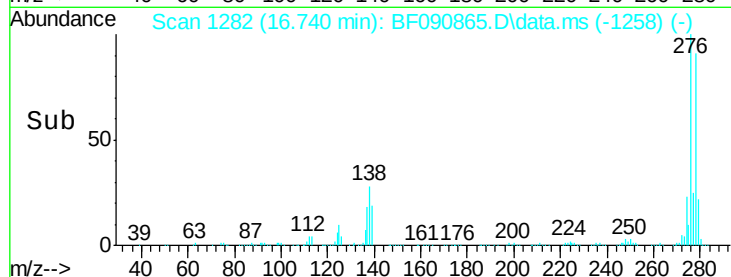
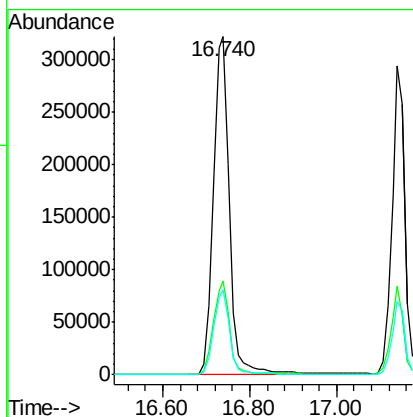
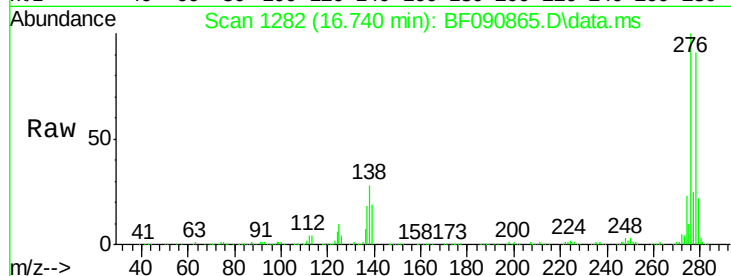




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 44.04 ng  
 RT: 16.740 min Scan# 1282  
 Delta R.T. -0.023 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

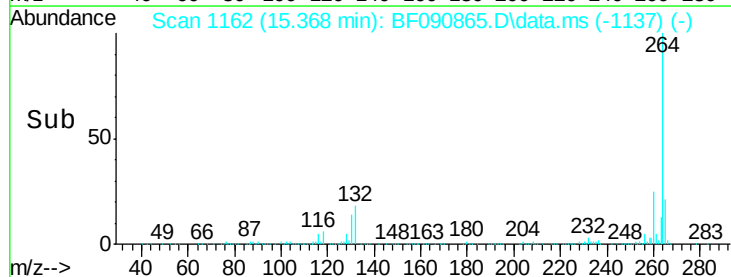
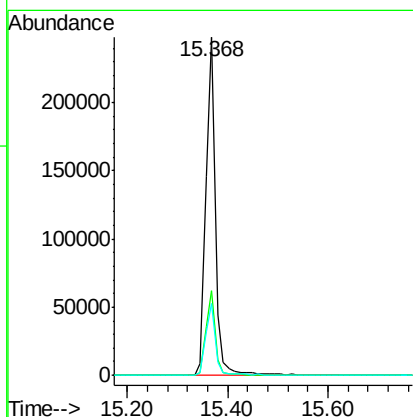
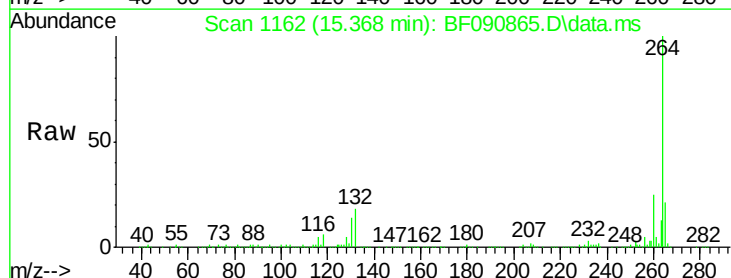
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94297BS

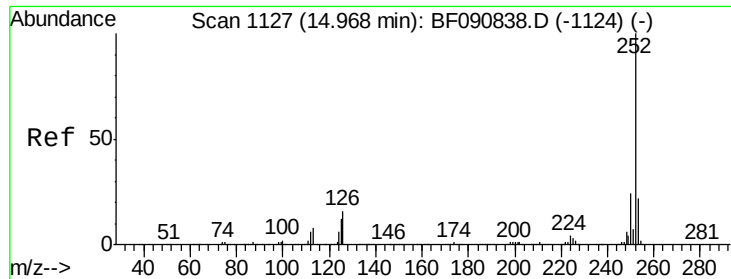
Tot Ion:276 Resp: 853671  
 Ion Ratio Lower Upper  
 276 100  
 138 28.4 25.7 38.5  
 277 24.9 15.6 23.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.368 min Scan# 1162  
 Delta R.T. -0.011 min  
 Lab File: BF090865.D  
 Acq: 27 Oct 2016 2:41

Tgt Ion:264 Resp: 327999  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 16.7 25.1  
 265 21.3 17.2 25.8

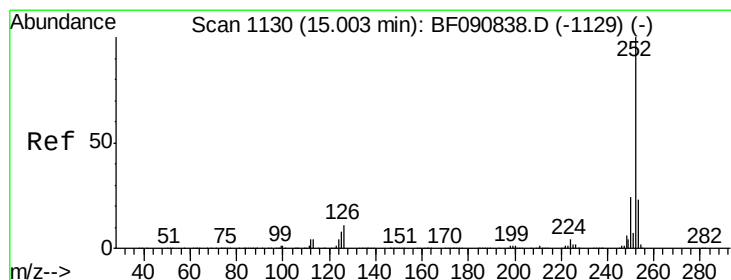
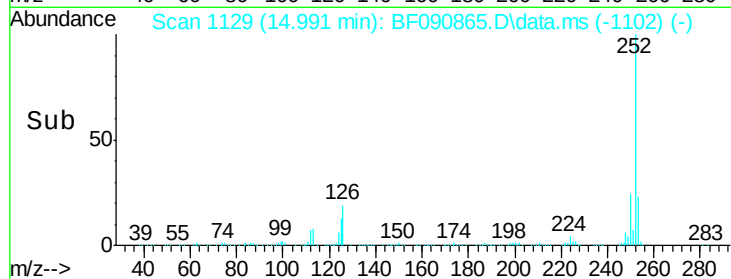
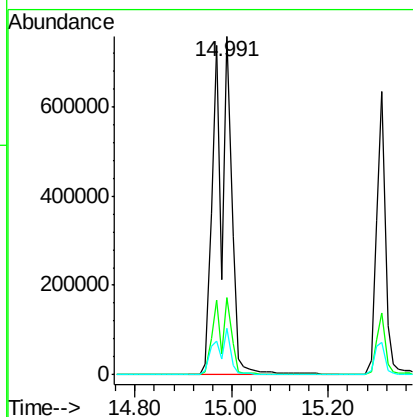
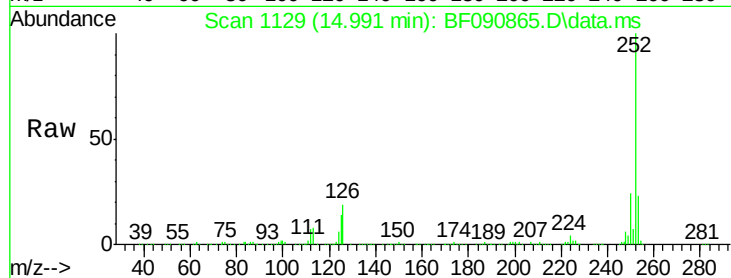




#87  
Benzo(b)fluoranthene  
Concen: 78.50 ng  
RT: 14.991 min Scan# 111  
Delta R.T. 0.011 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

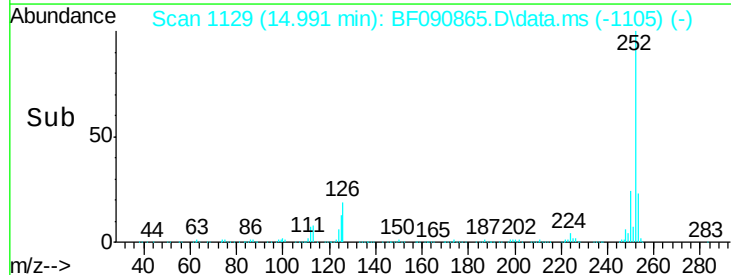
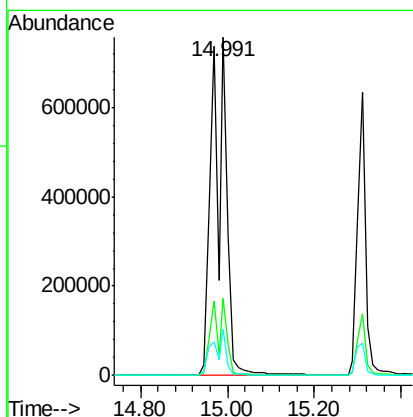
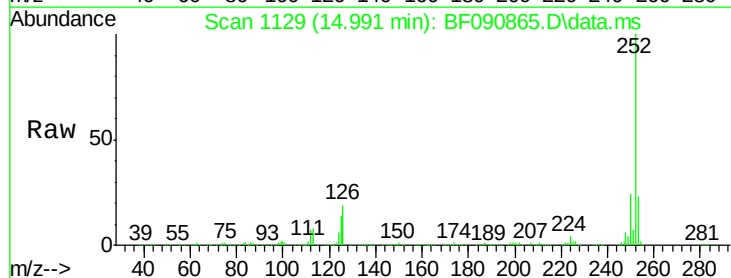
Instrument :  
BNA\_F  
ClientSampleId :  
PB94297BS

Tot Ion:252 Resp: 1731334  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.5 26.3  
125 13.5 17.1 25.7#

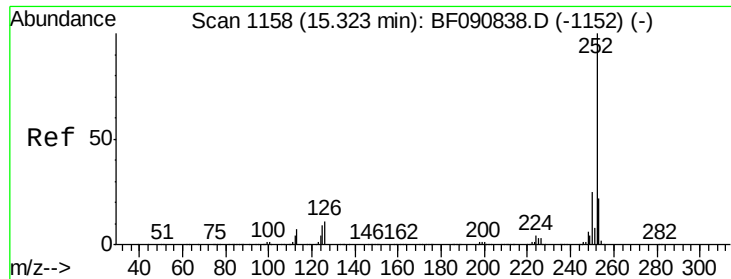


#88  
Benzo(k)fluoranthene  
Concen: 99.48 ng  
RT: 14.991 min Scan# 1129  
Delta R.T. -0.023 min  
Lab File: BF090865.D  
Acq: 27 Oct 2016 2:41

Tgt Ion:252 Resp: 1733921  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.0 25.4  
125 13.5 16.0 24.0#







#89

Benzo(a)pyrene

Concen: 43.04 ng

RT: 15.311 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

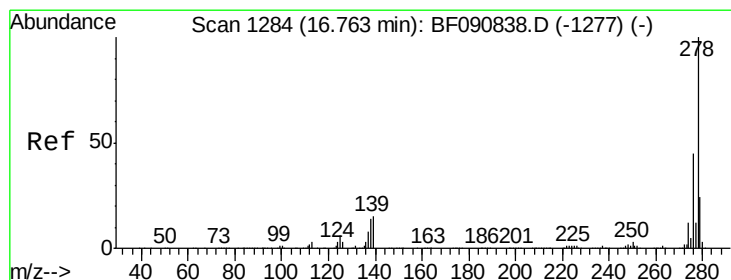
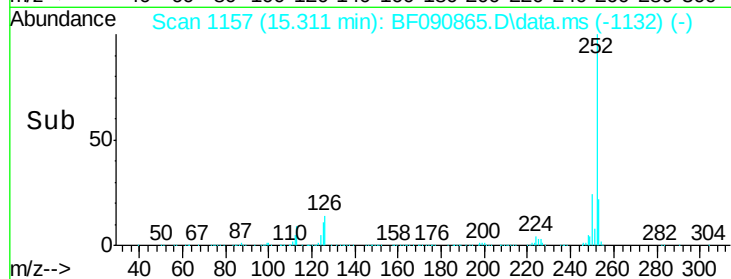
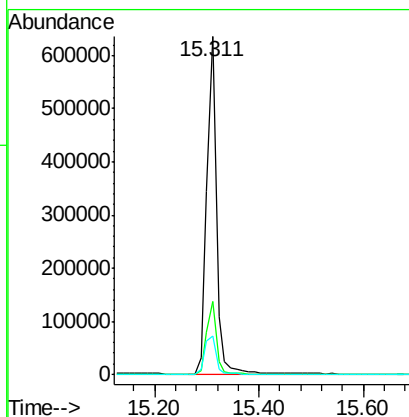
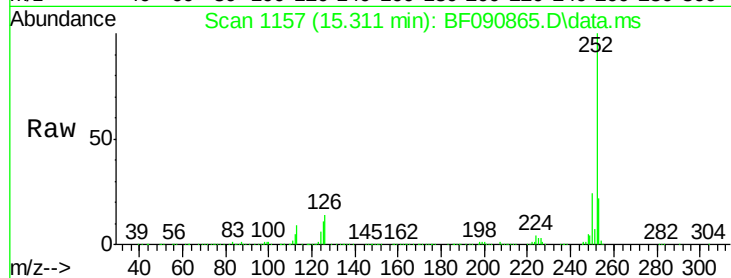
Tot Ion:252 Resp: 815602

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 11.4 18.0 27.0#



#90

Dibenzo(a,h)anthracene

Concen: 45.39 ng

RT: 16.751 min Scan# 1283

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

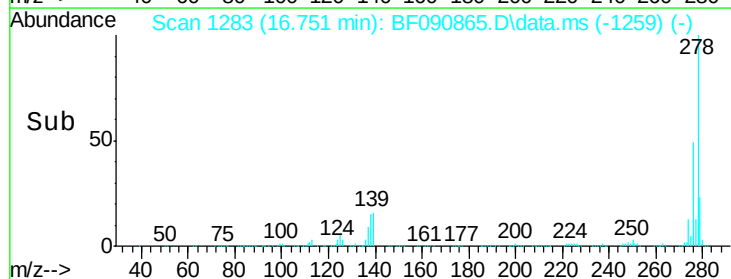
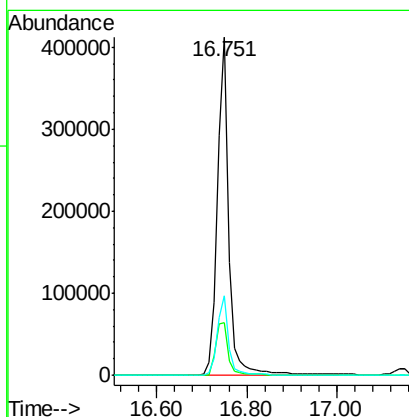
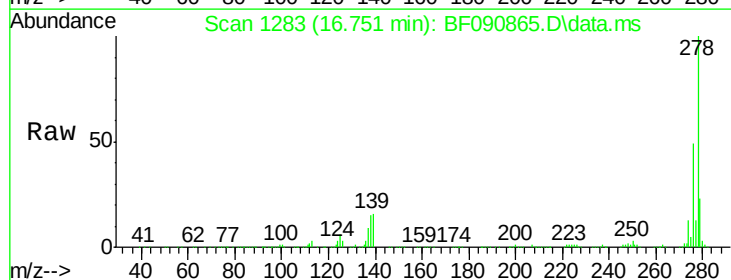
Tgt Ion:278 Resp: 728239

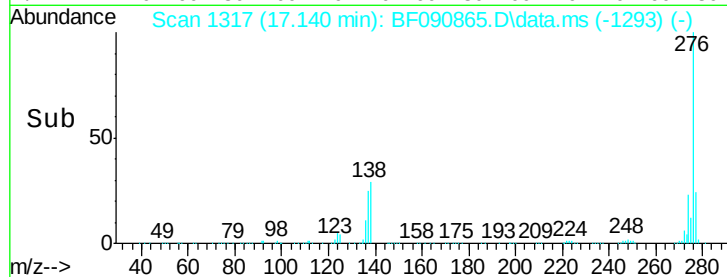
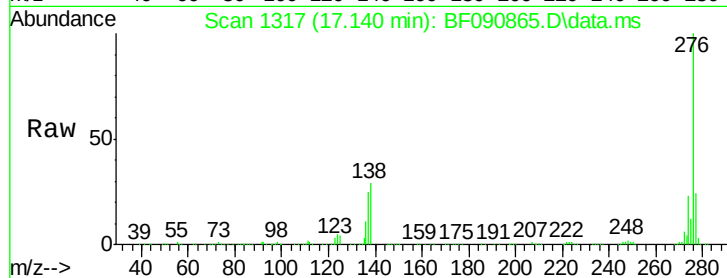
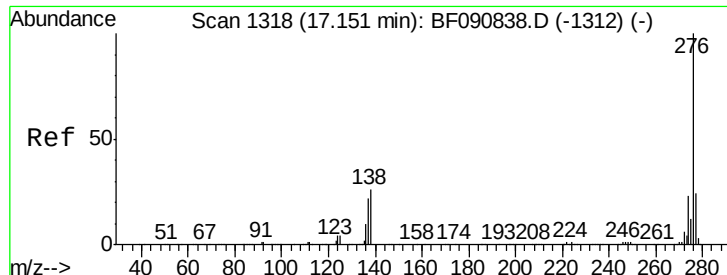
Ion Ratio Lower Upper

278 100

139 15.5 26.3 39.5#

279 23.4 18.2 27.4





#91

Benzo(a,h,i)perylene

Concen: 41.73 ng

RT: 17.140 min Scan# 131

Delta R.T. -0.023 min

Lab File: BF090865.D

Acq: 27 Oct 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

PB94297BS

Tot Ion:276 Resp: 630529

Ion Ratio Lower Upper

276 100

277 23.9 17.8 26.6

138 28.7 34.6 51.8#

