

Data Path : Z:\HPCHEM1\BNA F\Data\BF092316\  
 Data File : BF090198.D  
 Acq On : 23 Sep 2016 15:28  
 Operator : UM/SJ  
 Sample : PB93576BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

Quant Time: Sep 26 09:14:09 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 20 17:58:29 2016  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                         |        |      |          |        |       |          |        |
| Internal Standards            |        |      |          |        |       |          |        |
| 1) 1,4-Dichlorobenzene-d4     | 6.490  | 152  | 127908   | 20.00  | ng    | -0.03    |        |
| 21) Naphthalene-d8            | 7.782  | 136  | 504611   | 20.00  | ng    | -0.03    |        |
| 38) Acenaphthene-d10          | 9.519  | 164  | 261217   | 20.00  | ng    | -0.03    |        |
| 63) Phenanthrene-d10          | 10.993 | 188  | 420513   | 20.00  | ng    | -0.03    |        |
| 75) Chrysene-d12              | 13.599 | 240  | 294077   | 20.00  | ng    | -0.03    |        |
| 86) Perylene-d12              | 14.925 | 264  | 272050   | 20.00  | ng    | -0.03    |        |
| System Monitoring Compounds   |        |      |          |        |       |          |        |
| 5) 2-Fluorophenol             | 5.061  | 112  | 1157937  | 147.56 | ng    | -0.01    |        |
| 7) Phenol-d6                  | 6.159  | 99   | 1431758  | 147.74 | ng    | -0.01    |        |
| 23) Nitrobenzene-d5           | 7.073  | 82   | 915697   | 105.19 | ng    | -0.02    |        |
| 41) 2,4,6-Tribromophenol      | 10.308 | 330  | 320818   | 143.16 | ng    | -0.03    |        |
| 44) 2-Fluorobiphenyl          | 8.856  | 172  | 1500536  | 112.77 | ng    | -0.03    |        |
| 78) Terphenyl-d14             | 12.571 | 244  | 1185615  | 102.36 | ng    | -0.03    |        |
| Target Compounds              |        |      |          |        |       |          | Qvalue |
| 2) 1,4-Dioxane                | 1.953  | 88   | 160866   | 37.78  | ng    | #        | 95     |
| 3) Pyridine                   | 2.535  | 79   | 469564   | 50.86  | ng    |          | 98     |
| 4) n-Nitrosodimethylamine     | 2.501  | 42   | 147802   | 53.64  | ng    |          | 98     |
| 6) Aniline                    | 6.159  | 93   | 127032   | 10.52  | ng    | #        | 18     |
| 8) 2-Chlorophenol             | 6.273  | 128  | 426187   | 47.20  | ng    |          | 97     |
| 9) Benzaldehyde               | 6.022  | 77   | 43377    | 10.27  | ng    |          | 95     |
| 10) Phenol                    | 6.170  | 94   | 577963   | 50.45  | ng    | #        | 67     |
| 11) bis(2-Chloroethyl)ether   | 6.239  | 93   | 404056   | 45.23  | ng    |          | 98     |
| 12) 1,3-Dichlorobenzene       | 6.433  | 146  | 477081   | 50.58  | ng    | #        | 96     |
| 13) 1,4-Dichlorobenzene       | 6.513  | 146  | 475714   | 49.40  | ng    |          | 96     |
| 14) 1,2-Dichlorobenzene       | 6.513  | 146  | 471232   | 54.92  | ng    |          | 99     |
| 15) Benzyl Alcohol            | 6.650  | 79   | 279221   | 48.32  | ng    |          | 99     |
| 16) 2,2'-oxybis(1-Chloropr... | 6.799  | 45   | 509105   | 47.69  | ng    |          | 99     |
| 17) 2-Methylphenol            | 6.776  | 107  | 367228   | 51.64  | ng    |          | 97     |
| 18) Hexachloroethane          | 7.004  | 117  | 170829   | 49.73  | ng    | #        | 86     |
| 19) n-Nitroso-di-n-propyla... | 6.936  | 70   | 321262   | 56.43  | ng    |          | 96     |
| 20) 3+4-Methylphenols         | 6.936  | 107  | 471736   | 55.25  | ng    |          | 94     |
| 22) Acetophenone              | 6.913  | 105  | 564741   | 46.41  | ng    | #        | 97     |
| 24) Nitrobenzene              | 7.084  | 77   | 436982   | 48.18  | ng    |          | 94     |
| 25) Isophorone                | 7.336  | 82   | 886072   | 48.72  | ng    |          | 97     |
| 26) 2-Nitrophenol             | 7.405  | 139  | 251912   | 56.40  | ng    |          | 93     |
| 27) 2,4-Dimethylphenol        | 7.462  | 122  | 409127   | 51.56  | ng    |          | 99     |
| 28) bis(2-Chloroethoxy)met... | 7.553  | 93   | 563512   | 51.22  | ng    |          | 99     |
| 29) 2,4-Dichlorophenol        | 7.656  | 162  | 366631   | 52.68  | ng    |          | 98     |
| 30) 1,2,4-Trichlorobenzene    | 7.725  | 180  | 347002   | 49.91  | ng    |          | 99     |
| 31) Naphthalene               | 7.805  | 128  | 1348872  | 56.14  | ng    |          | 100    |
| 32) Benzoic acid              | 7.610  | 122  | 234944   | 43.13  | ng    |          | 95     |
| 33) 4-Chloroaniline           | 7.862  | 127  | 58556    | 5.88   | ng    |          | 96     |
| 34) Hexachlorobutadiene       | 7.930  | 225  | 192321   | 52.44  | ng    |          | 97     |
| 35) Caprolactam               | 8.250  | 113  | 82831    | 35.96  | ng    |          | 87     |
| 36) 4-Chloro-3-methylphenol   | 8.365  | 107  | 382457   | 48.62  | ng    |          | 99     |
| 37) 2-Methylnaphthalene       | 8.490  | 142  | 769941   | 51.53  | ng    |          | 99     |
| 39) 1,2,4,5-Tetrachloroben... | 8.662  | 216  | 299565   | 49.96  | ng    |          | 97     |

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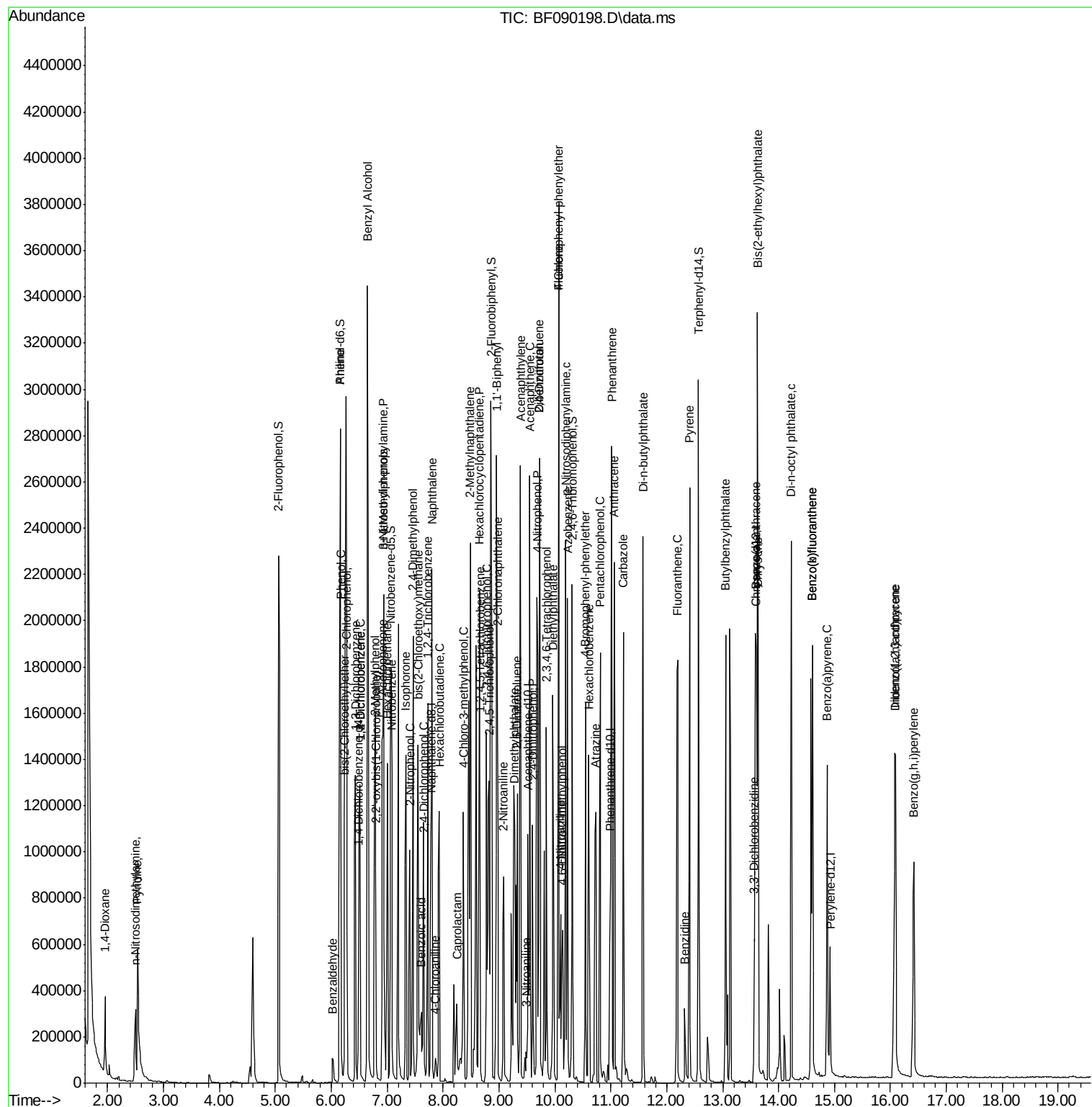
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 40) Hexachlorocyclopentadiene | 8.650  | 237  | 307880   | 104.06 | ng    | 98       |
| 42) 2,4,6-Trichlorophenol     | 8.776  | 196  | 229098   | 53.62  | ng    | 100      |
| 43) 2,4,5-Trichlorophenol     | 8.822  | 196  | 228422   | 51.63  | ng    | # 88     |
| 45) 1,1'-Biphenyl             | 8.959  | 154  | 904216   | 48.38  | ng    | 96       |
| 46) 2-Chloronaphthalene       | 8.970  | 162  | 730293   | 52.97  | ng    | 98       |
| 47) 2-Nitroaniline            | 9.085  | 65   | 225211   | 54.18  | ng    | # 82     |
| 48) Acenaphthylene            | 9.382  | 152  | 1116067  | 49.85  | ng    | 99       |
| 49) Dimethylphthalate         | 9.279  | 163  | 906681   | 54.50  | ng    | 99       |
| 50) 2,6-Dinitrotoluene        | 9.325  | 165  | 184547   | 49.77  | ng    | 92       |
| 51) Acenaphthene              | 9.553  | 154  | 647150   | 48.69  | ng    | 99       |
| 52) 3-Nitroaniline            | 9.485  | 138  | 39035    | 8.98   | ng    | 89       |
| 53) 2,4-Dinitrophenol         | 9.599  | 184  | 179710   | 86.38  | ng    | # 89     |
| 54) Dibenzofuran              | 9.725  | 168  | 964588   | 55.15  | ng    | 95       |
| 55) 4-Nitrophenol             | 9.679  | 139  | 275634   | 92.54  | ng    | 83       |
| 56) 2,4-Dinitrotoluene        | 9.725  | 165  | 227108   | 51.79  | ng    | 91       |
| 57) Fluorene                  | 10.068 | 166  | 720474   | 54.66  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 9.850  | 232  | 190456   | 57.50  | ng    | 97       |
| 59) Diethylphthalate          | 9.965  | 149  | 796037   | 49.54  | ng    | 100      |
| 60) 4-Chlorophenyl-phenyle... | 10.068 | 204  | 303698   | 50.53  | ng    | 90       |
| 61) 4-Nitroaniline            | 10.102 | 138  | 189765   | 42.83  | ng    | 90       |
| 62) Azobenzene                | 10.228 | 77   | 993342   | 59.39  | ng    | 94       |
| 64) 4,6-Dinitro-2-methylph... | 10.136 | 198  | 142245   | 54.01  | ng    | 93       |
| 65) n-Nitrosodiphenylamine    | 10.193 | 169  | 754637   | 54.57  | ng    | 100      |
| 66) 4-Bromophenyl-phenylether | 10.548 | 248  | 202656   | 48.98  | ng    | # 82     |
| 67) Hexachlorobenzene         | 10.605 | 284  | 244776   | 50.75  | ng    | # 83     |
| 68) Atrazine                  | 10.731 | 200  | 231536   | 61.10  | ng    | 98       |
| 69) Pentachlorophenol         | 10.811 | 266  | 280778   | 102.57 | ng    | 100      |
| 70) Phenanthrene              | 11.016 | 178  | 1125230  | 57.22  | ng    | 99       |
| 71) Anthracene                | 11.062 | 178  | 1081376  | 52.43  | ng    | 99       |
| 72) Carbazole                 | 11.222 | 167  | 1094029  | 50.17  | ng    | 98       |
| 73) Di-n-butylphthalate       | 11.576 | 149  | 1299077  | 51.23  | ng    | 99       |
| 74) Fluoranthene              | 12.194 | 202  | 1198861  | 56.79  | ng    | 90       |
| 76) Benzidine                 | 12.319 | 184  | 188593   | 19.16  | ng    | 97       |
| 77) Pyrene                    | 12.411 | 202  | 1068106  | 53.08  | ng    | 100      |
| 79) Butylbenzylphthalate      | 13.051 | 149  | 546382   | 55.51  | ng    | # 79     |
| 80) Benzo(a)anthracene        | 13.588 | 228  | 932342   | 58.93  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine    | 13.565 | 252  | 145071   | 22.23  | ng    | # 96     |
| 82) Chrysene                  | 13.634 | 228  | 868681   | 56.36  | ng    | 100      |
| 83) Bis(2-ethylhexyl)phtha... | 13.622 | 149  | 705517   | 56.01  | ng    | 99       |
| 84) Di-n-octyl phthalate      | 14.228 | 149  | 1266356  | 58.36  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene    | 16.080 | 276  | 849995   | 68.21  | ng    | 97       |
| 87) Benzo(b)fluoranthene      | 14.605 | 252  | 1539396  | 102.19 | ng    | 98       |
| 88) Benzo(k)fluoranthene      | 14.605 | 252  | 1541371  | 109.02 | ng    | # 97     |
| 89) Benzo(a)pyrene            | 14.868 | 252  | 767536   | 54.16  | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene    | 16.091 | 278  | 695741   | 62.92  | ng    | 98       |
| 91) Benzo(g,h,i)perylene      | 16.423 | 276  | 733467   | 67.77  | ng    | 94       |

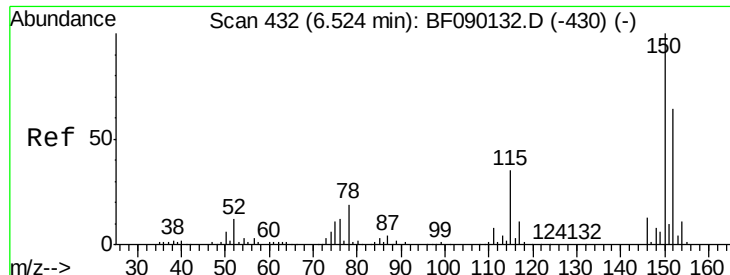
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.490 min Scan# 42

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

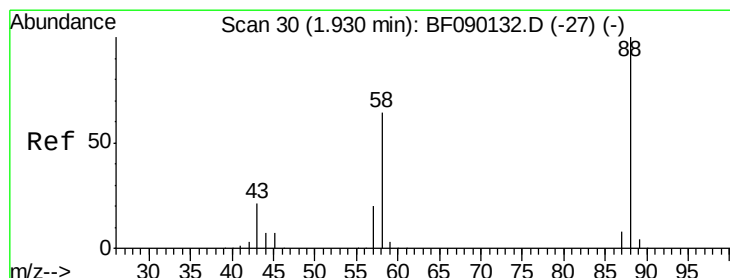
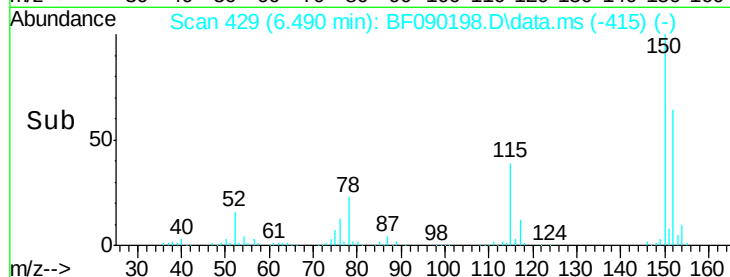
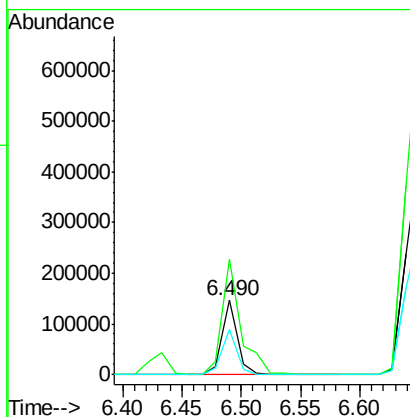
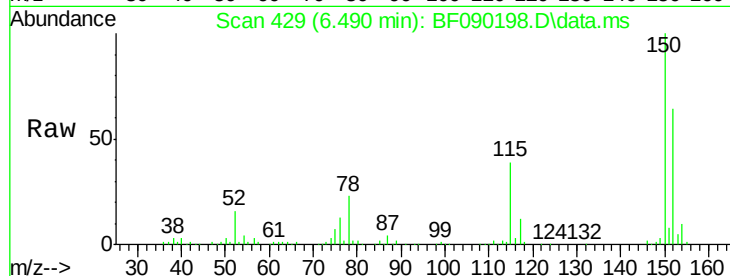
Tot Ion:152 Resp: 127908

Ion Ratio Lower Upper

152 100

150 156.8 128.9 193.3

115 61.4 55.5 83.3



#2

1,4-Dioxane

Concen: 37.78 ng

RT: 1.953 min Scan# 32

Delta R.T. 0.024 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

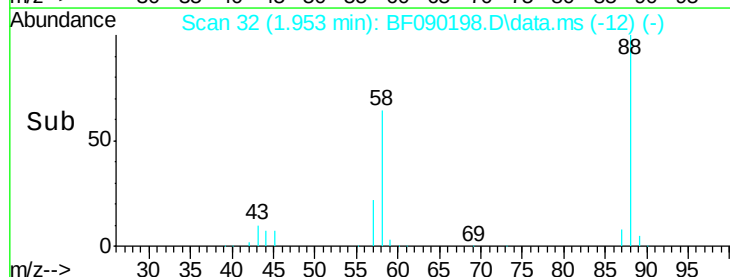
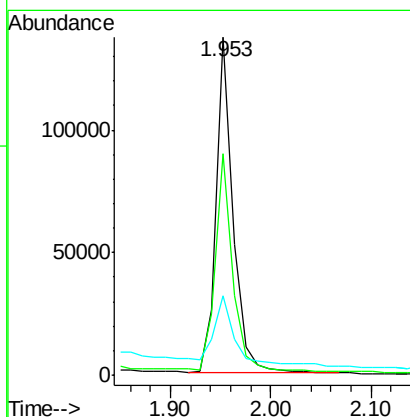
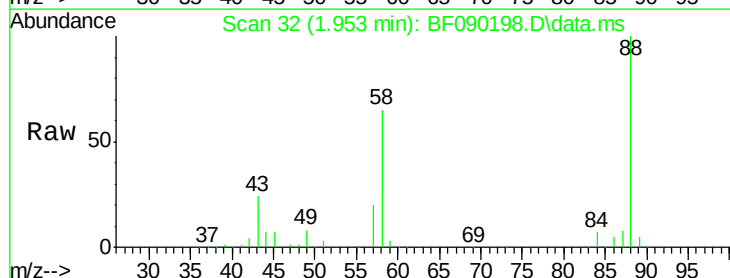
Tgt Ion: 88 Resp: 160866

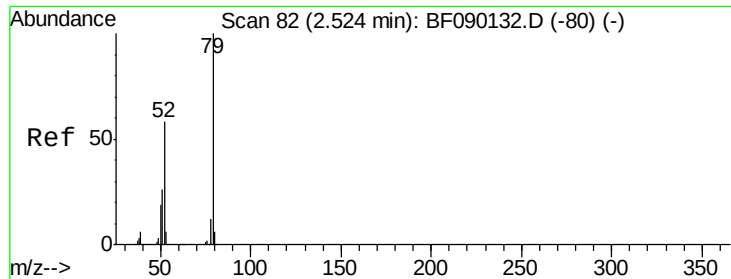
Ion Ratio Lower Upper

88 100

58 66.4 53.4 80.0

43 29.3 16.5 24.7#

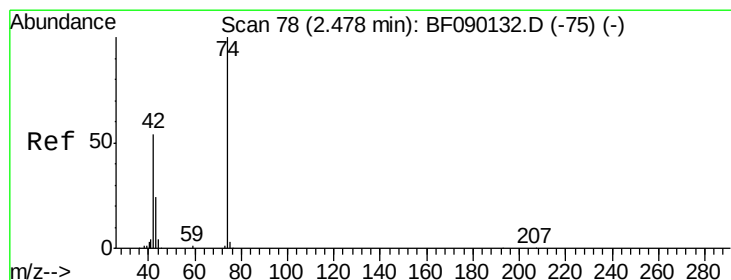
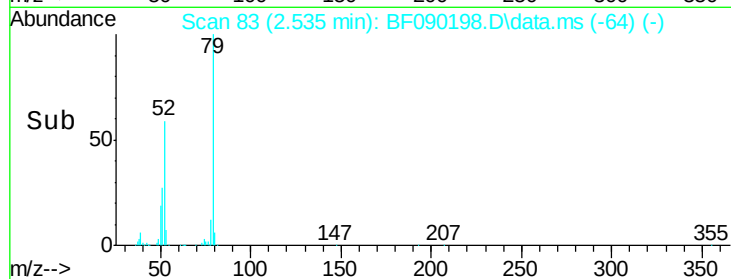
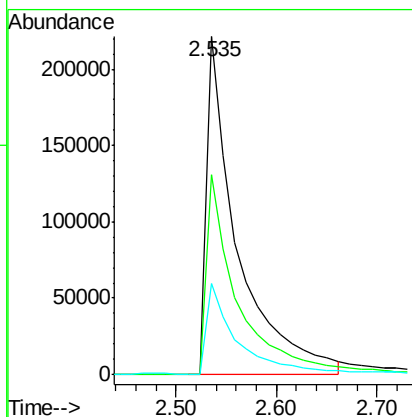
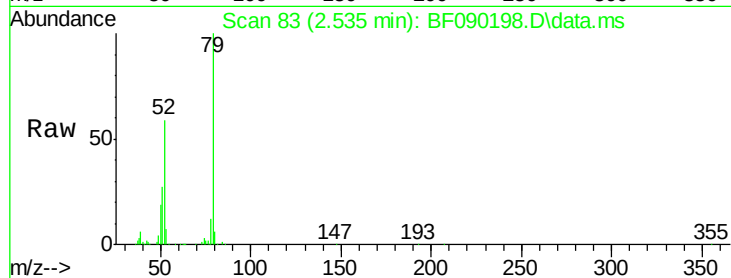




#3  
 Pvridine  
 Concen: 50.86 ng  
 RT: 2.535 min Scan# 83  
 Delta R.T. 0.011 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

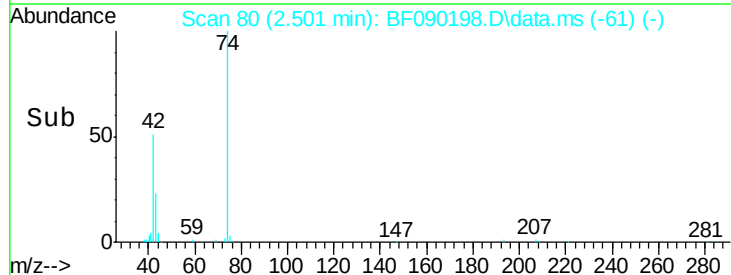
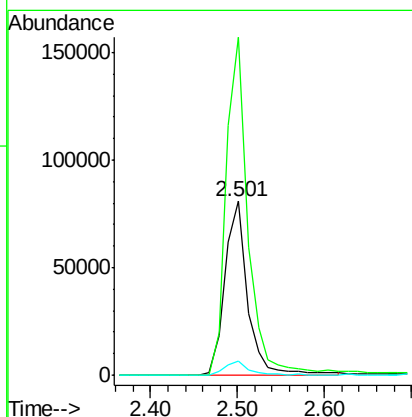
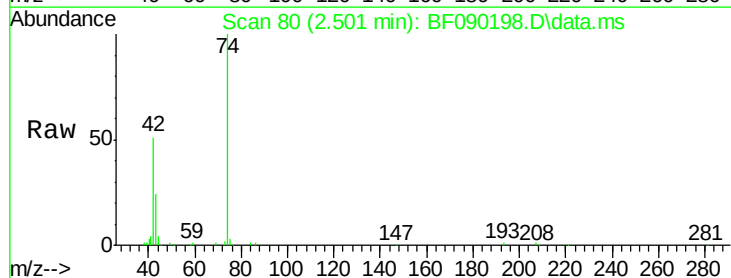
Instrument :  
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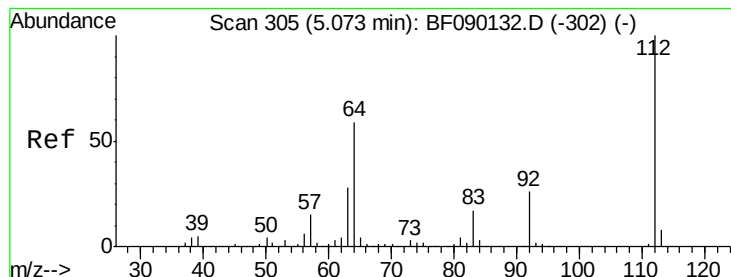
Tot Ion: 79 Resp: 469564  
 Ion Ratio Lower Upper  
 79 100  
 52 59.2 45.9 68.9  
 51 27.1 21.3 31.9



#4  
 n-Nitrosodimethylamine  
 Concen: 53.64 ng  
 RT: 2.501 min Scan# 80  
 Delta R.T. 0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion: 42 Resp: 147802  
 Ion Ratio Lower Upper  
 42 100  
 74 194.6 158.7 238.1  
 44 7.8 6.4 9.6





#5

2-Fluorophenol

Concen: 147.56 ng

RT: 5.061 min Scan# 30

Delta R.T. -0.011 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

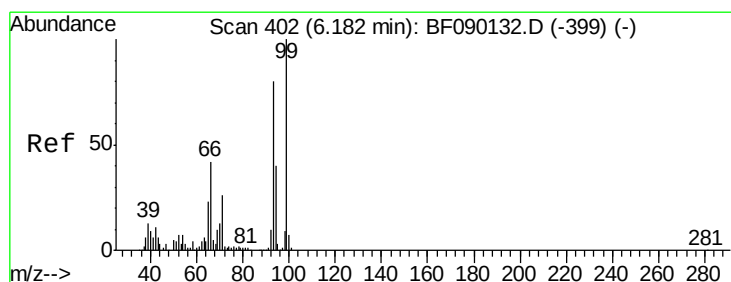
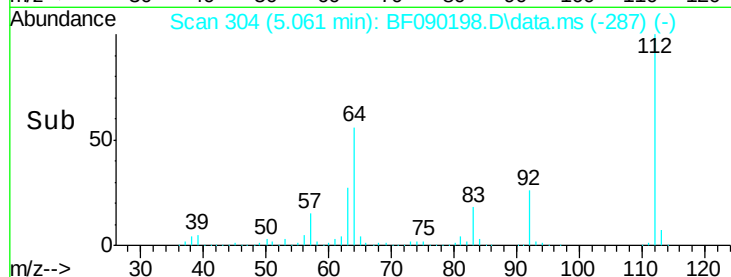
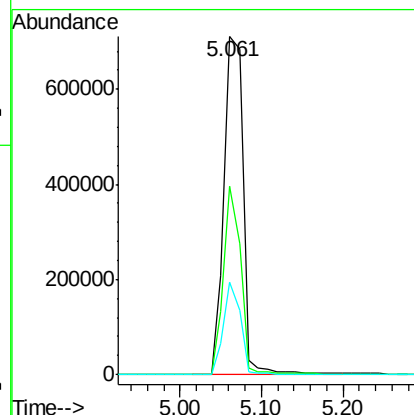
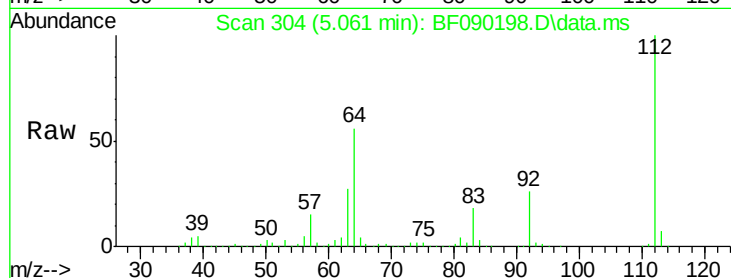
Tot Ion:112 Resp: 1157937

Ion Ratio Lower Upper

112 100

64 55.5 39.8 59.6

63 27.3 18.9 28.3



#6

Aniline

Concen: 10.52 ng

RT: 6.159 min Scan# 400

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

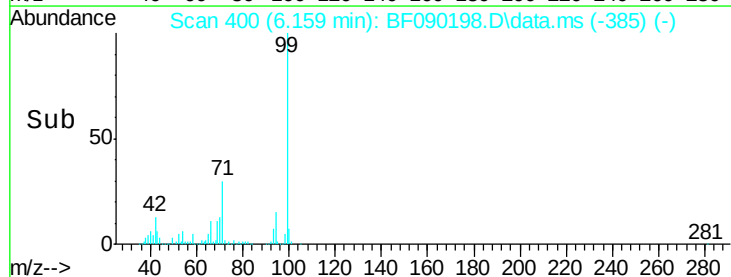
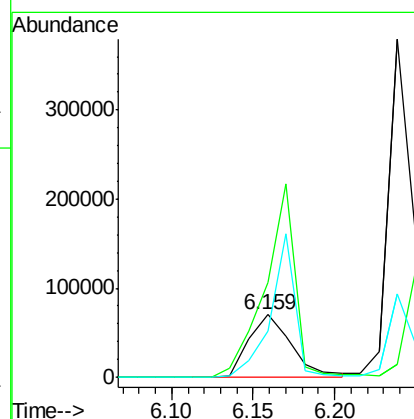
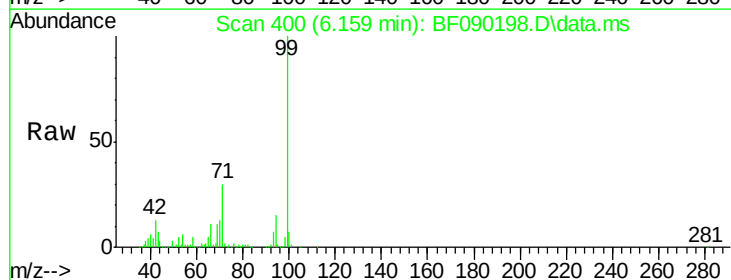
Tgt Ion: 93 Resp: 127032

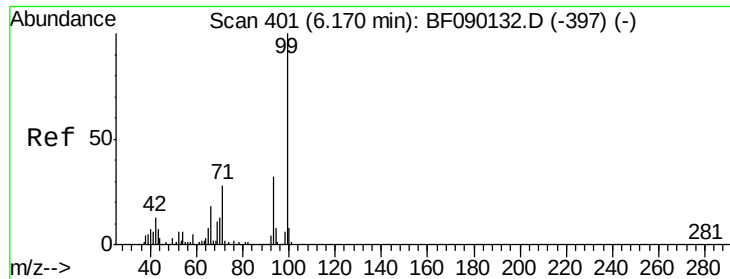
Ion Ratio Lower Upper

93 100

66 150.7 54.2 81.2#

65 73.5 33.8 50.6#





#7

Phenol-d6

Concen: 147.74 ng

RT: 6.159 min Scan# 401

Delta R.T. -0.011 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

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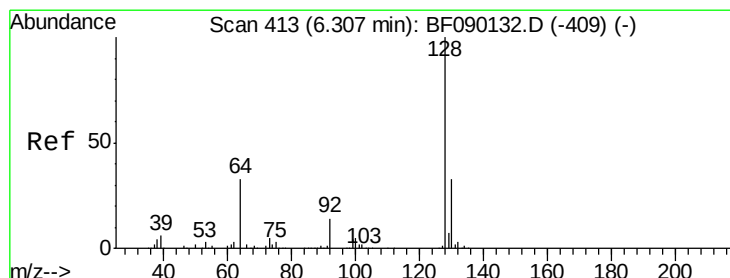
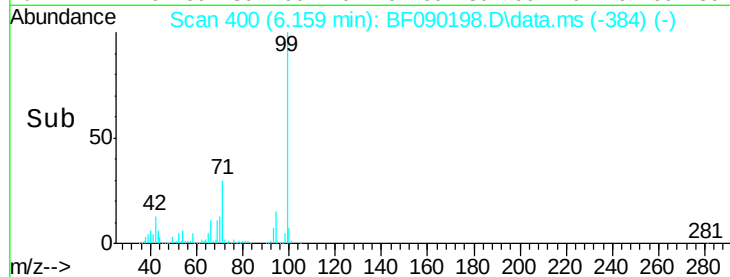
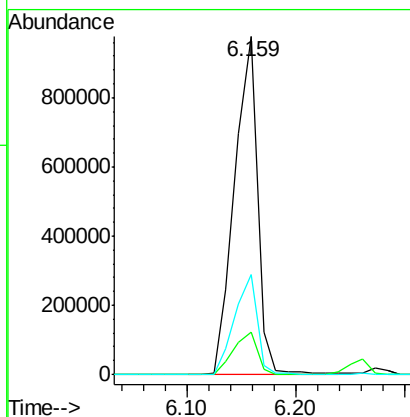
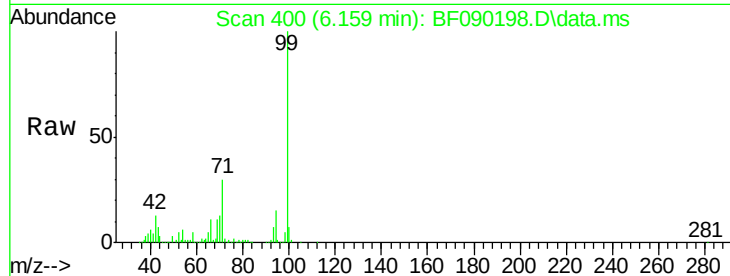
Tot Ion: 99 Resp: 1431758

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

71 29.6 23.0 34.6



#8

2-Chlorophenol

Concen: 47.20 ng

RT: 6.273 min Scan# 410

Delta R.T. -0.034 min

Lab File: BF090198.D

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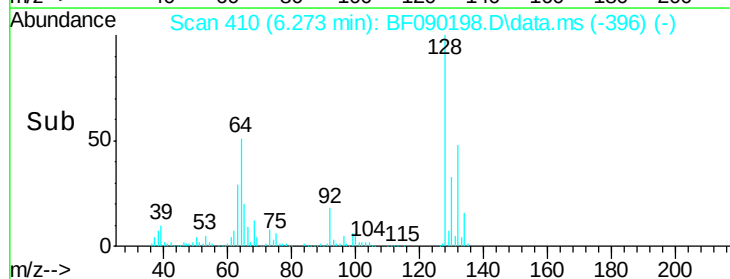
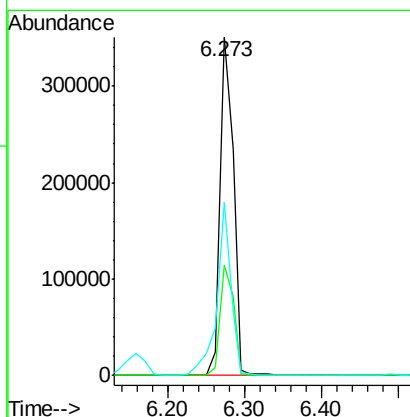
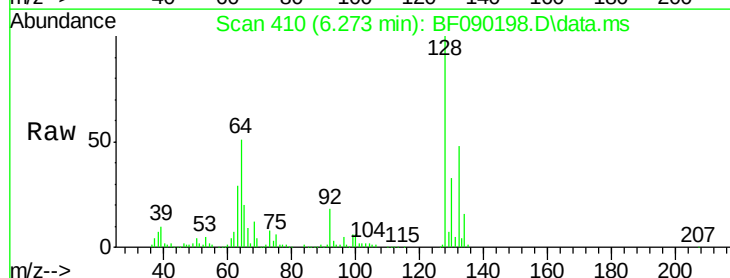
Tgt Ion: 128 Resp: 426187

Ion Ratio Lower Upper

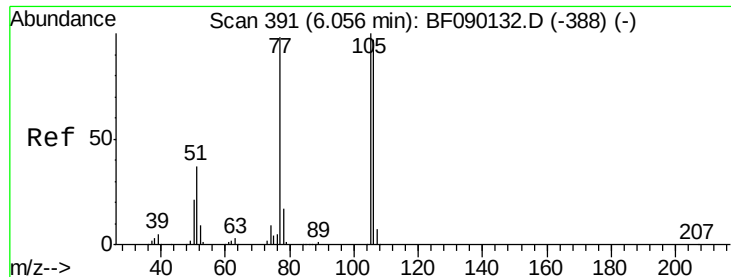
128 100

130 32.8 12.0 52.0

64 51.1 33.6 73.6







#9

Benzaldehyde

Concen: 10.27 ng

RT: 6.022 min Scan# 38

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

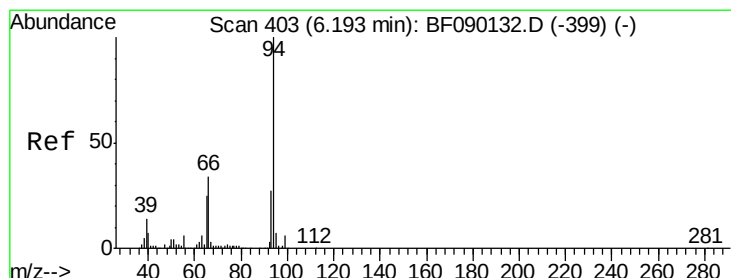
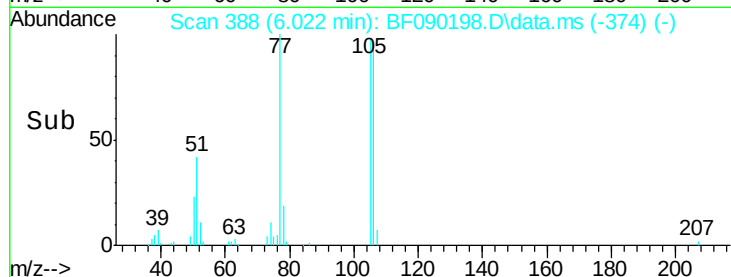
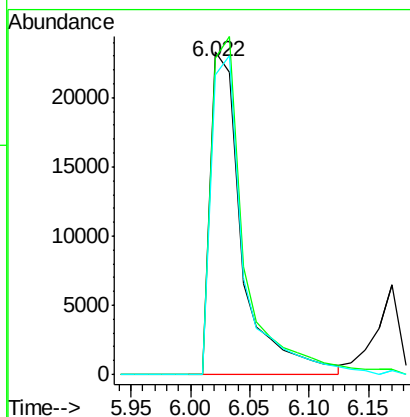
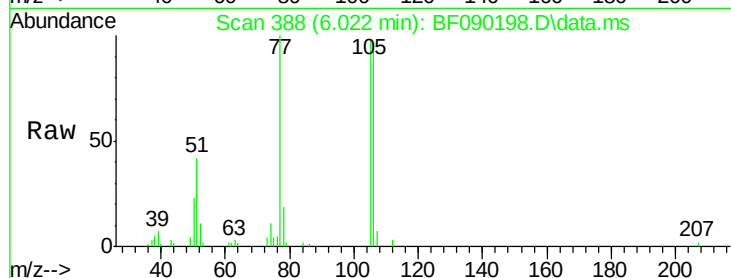
Tot Ion: 77 Resp: 43377

Ion Ratio Lower Upper

77 100

105 98.1 83.0 123.0

106 92.8 78.5 118.5



#10

Phenol

Concen: 50.45 ng

RT: 6.170 min Scan# 401

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

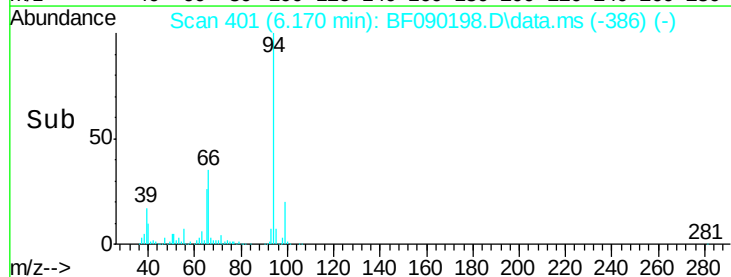
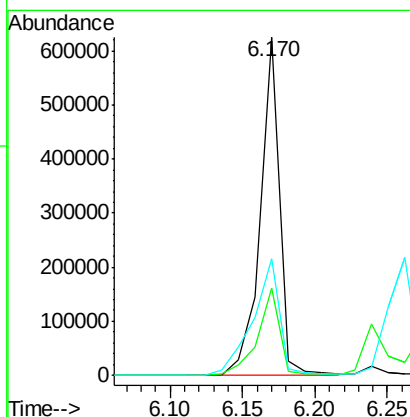
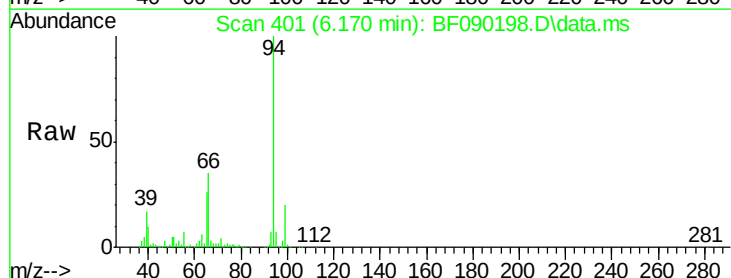
Tgt Ion: 94 Resp: 577963

Ion Ratio Lower Upper

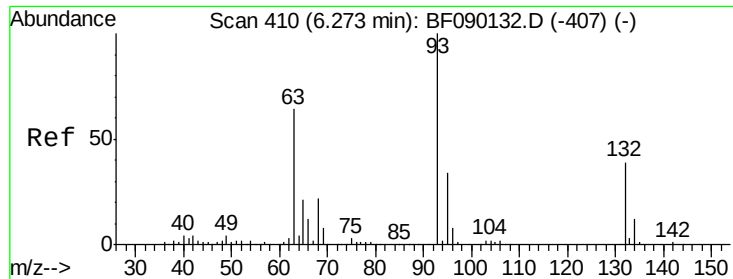
94 100

65 25.8 20.6 60.6

66 34.6 45.1 85.1#







#11

bis(2-Chloroethyl)ether

Concen: 45.23 ng

RT: 6.239 min Scan# 40

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

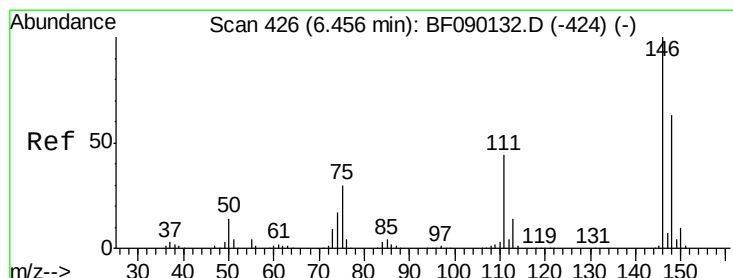
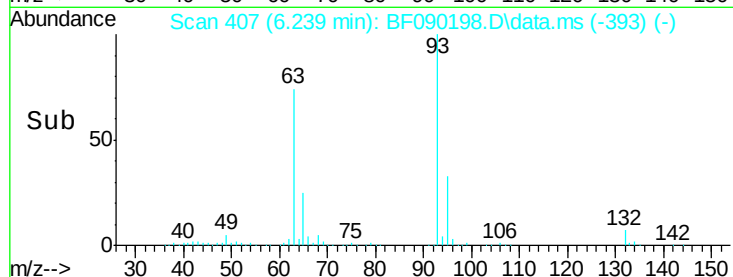
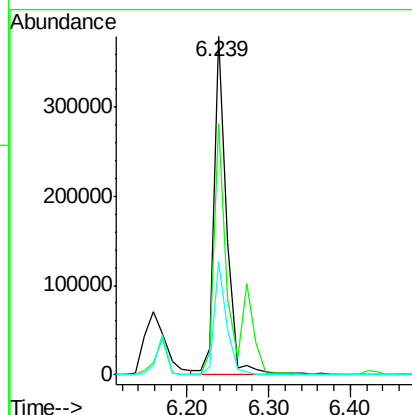
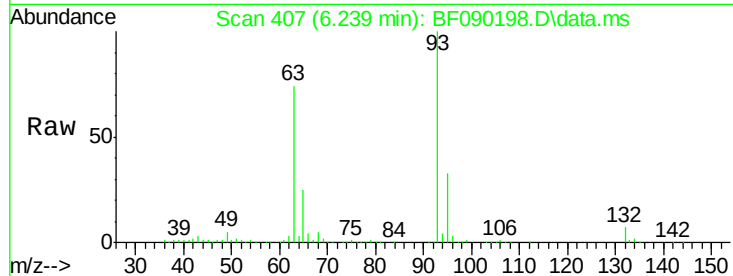
Tot Ion: 93 Resp: 404056

Ion Ratio Lower Upper

93 100

63 74.1 55.6 95.6

95 33.2 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 50.58 ng

RT: 6.433 min Scan# 424

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

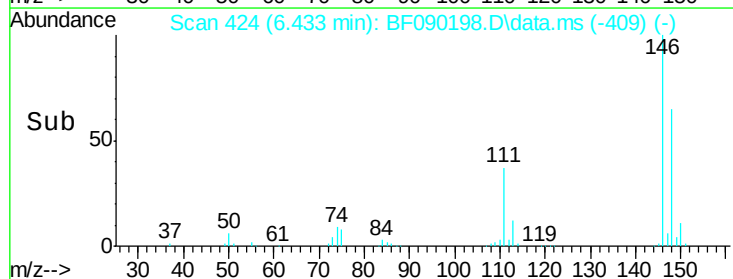
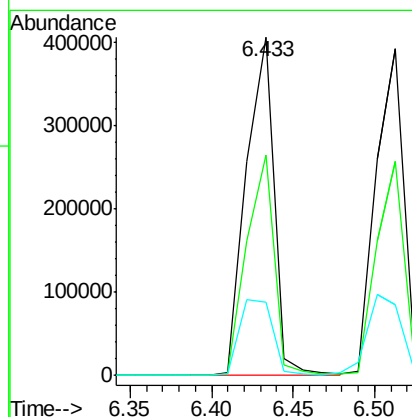
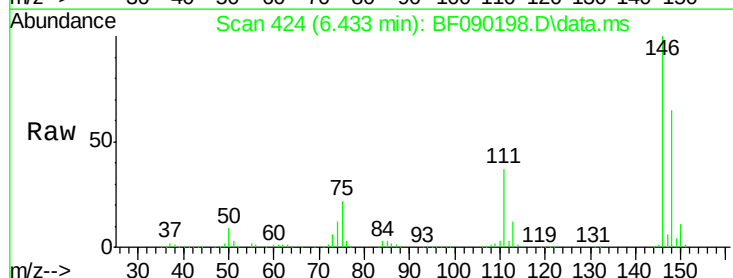
Tgt Ion: 146 Resp: 477081

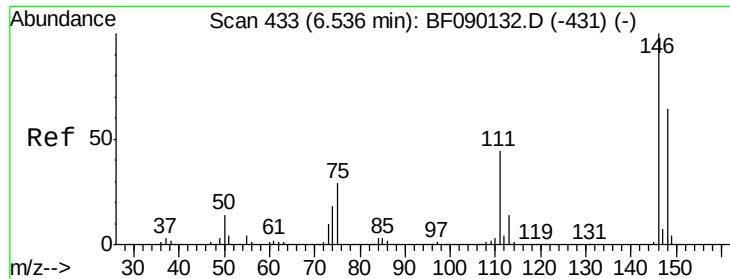
Ion Ratio Lower Upper

146 100

148 65.3 51.9 77.9

75 21.5 22.8 34.2#

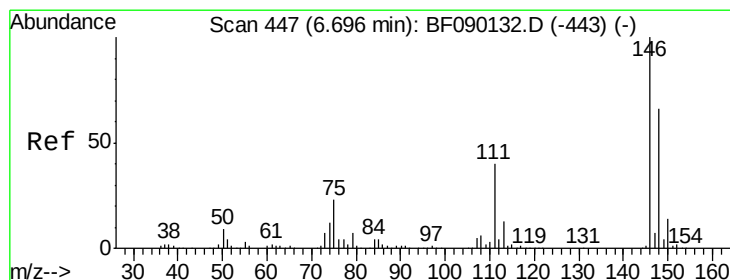
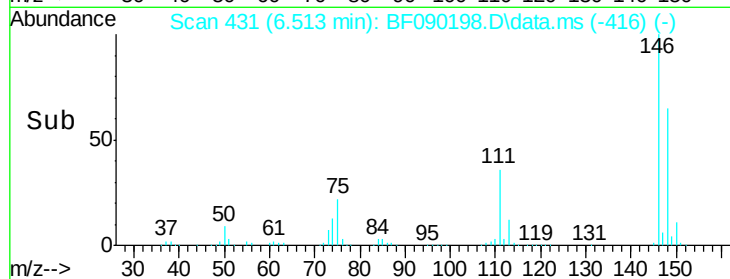
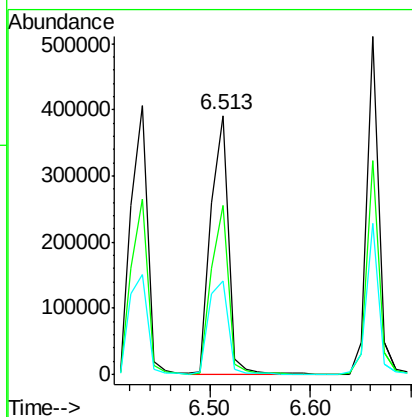
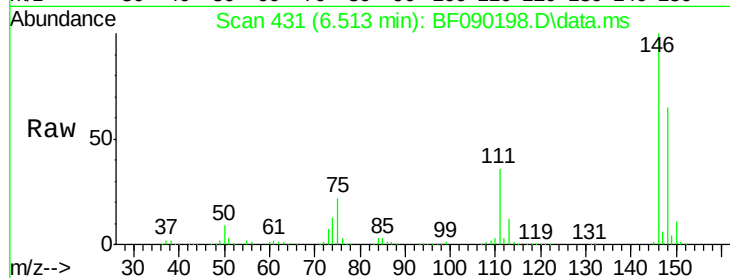




#13  
 1,4-Dichlorobenzene  
 Concen: 49.40 ng  
 RT: 6.513 min Scan# 431  
 Delta R.T. -0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

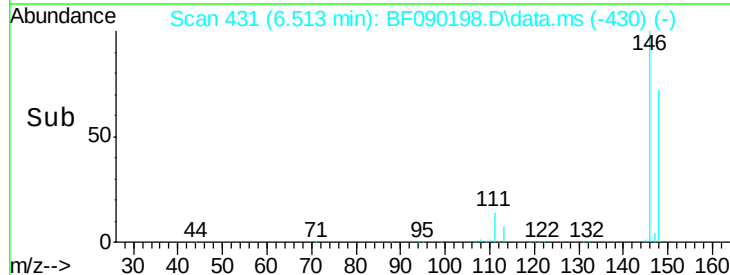
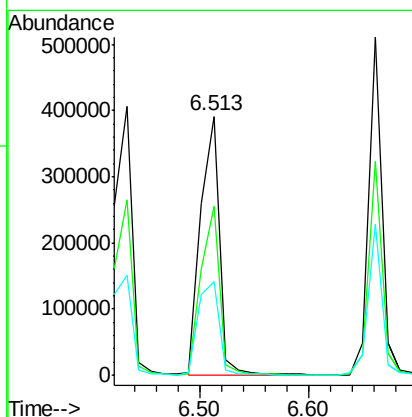
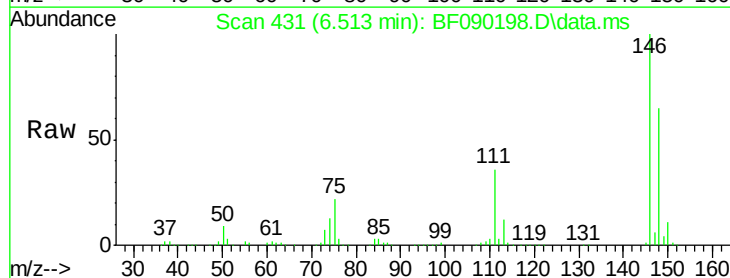
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

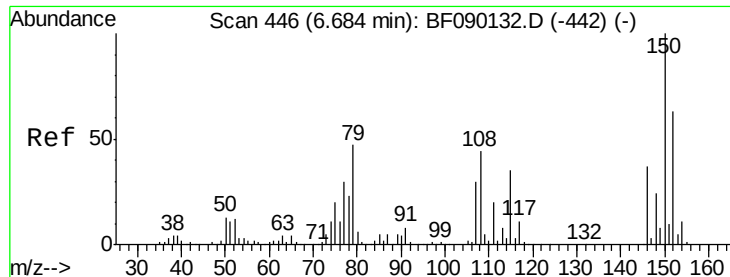
Tot Ion:146 Resp: 475714  
 Ion Ratio Lower Upper  
 146 100  
 148 65.4 52.0 78.0  
 111 36.1 33.8 50.6



#14  
 1,2-Dichlorobenzene  
 Concen: 54.92 ng  
 RT: 6.513 min Scan# 431  
 Delta R.T. -0.183 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion:146 Resp: 471232  
 Ion Ratio Lower Upper  
 146 100  
 148 65.4 52.6 79.0  
 111 36.1 28.2 42.2

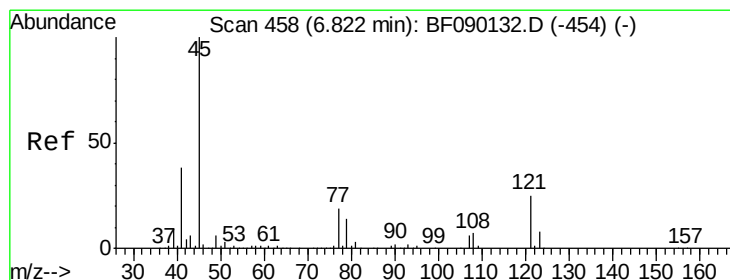
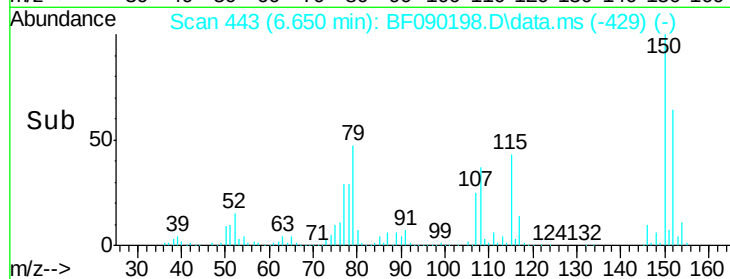
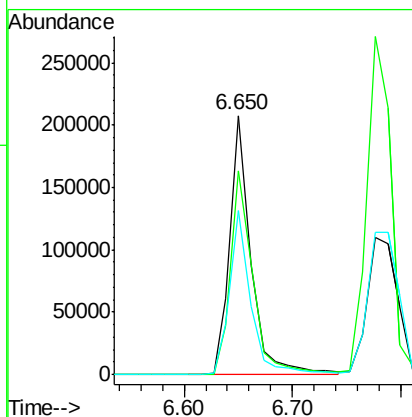
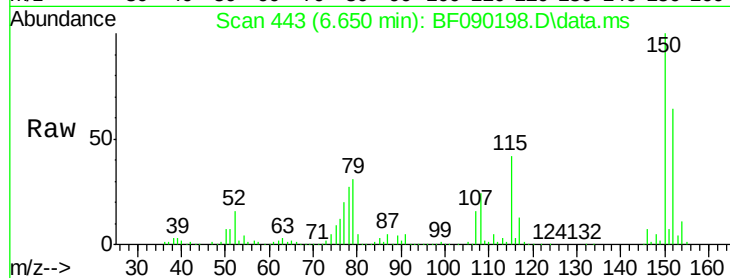




#15  
Benzyl Alcohol  
Concen: 48.32 ng  
RT: 6.650 min Scan# 44  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

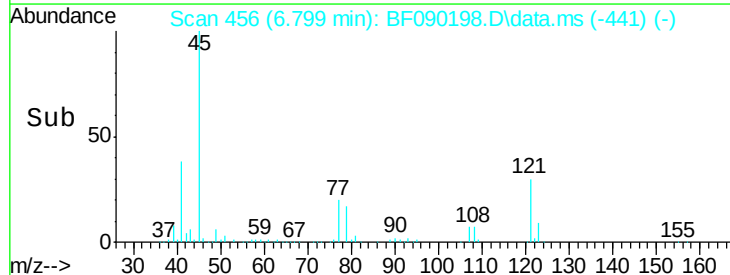
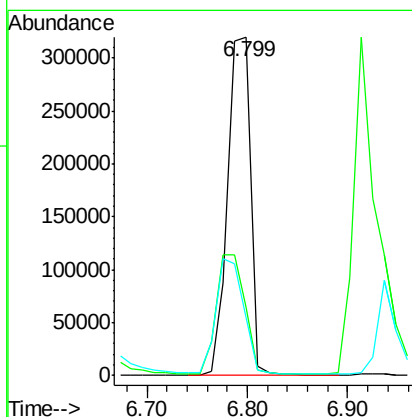
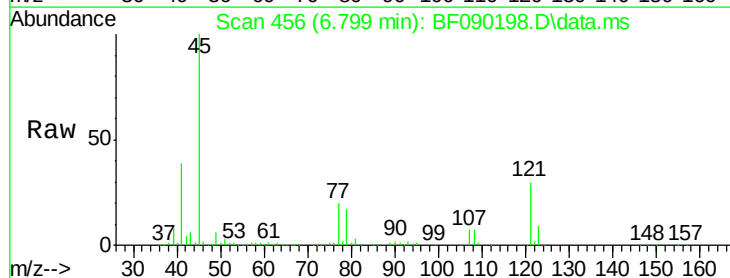
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

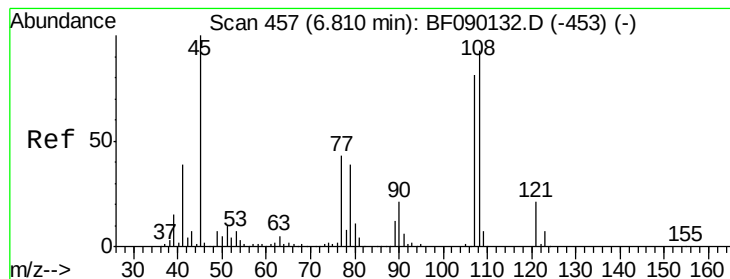
Tot Ion: 79 Resp: 279221  
Ion Ratio Lower Upper  
79 100  
108 78.3 62.2 93.4  
77 63.1 51.4 77.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.69 ng  
RT: 6.799 min Scan# 456  
Delta R.T. -0.023 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

Tgt Ion: 45 Resp: 509105  
Ion Ratio Lower Upper  
45 100  
77 20.0 0.5 40.5  
79 17.0 0.0 37.0





#17

2-Methylphenol

Concen: 51.64 ng

RT: 6.776 min Scan# 45

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

Tot Ion:107 Resp: 367228

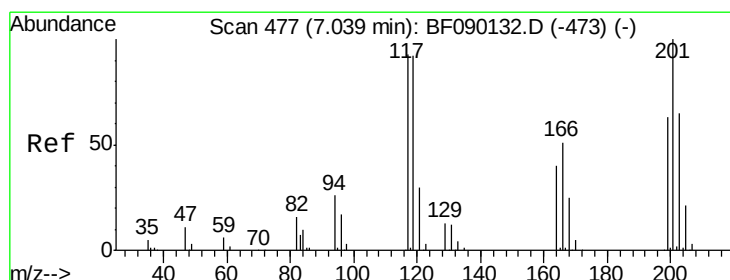
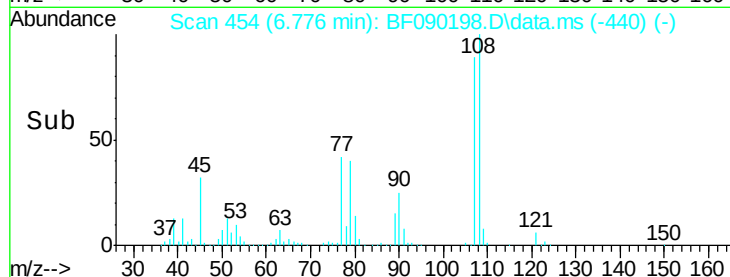
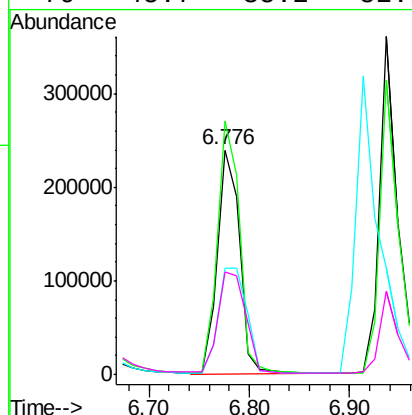
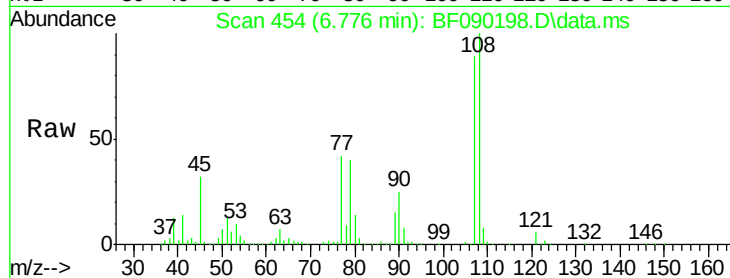
Ion Ratio Lower Upper

107 100

108 113.0 92.0 138.0

77 47.6 35.6 53.4

79 45.7 35.2 52.8



#18

Hexachloroethane

Concen: 49.73 ng

RT: 7.004 min Scan# 474

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

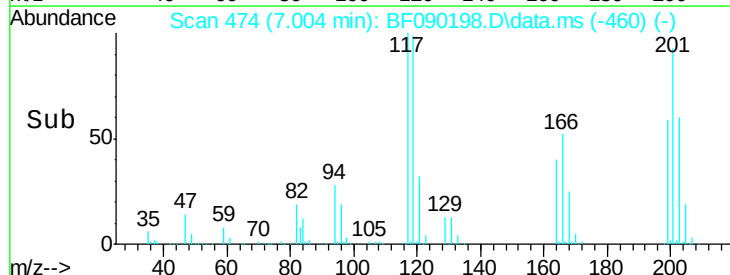
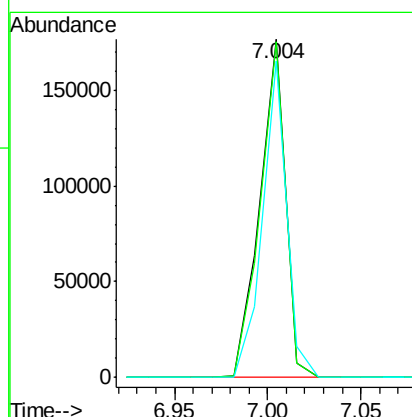
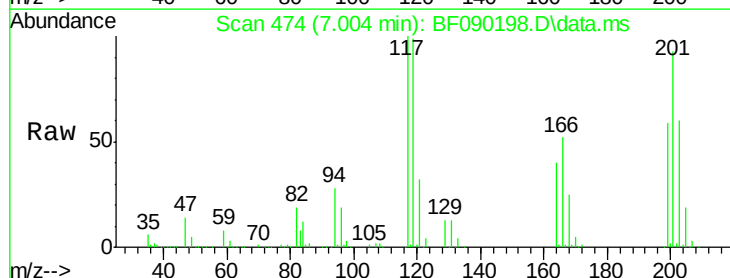
Tgt Ion:117 Resp: 170829

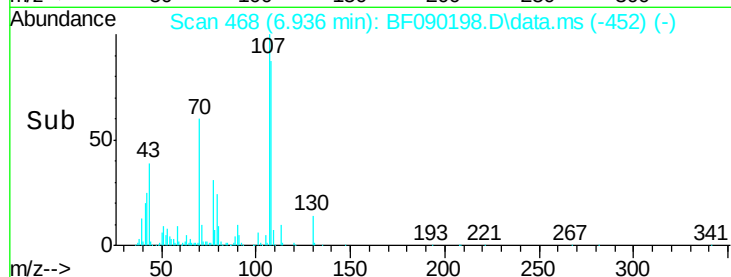
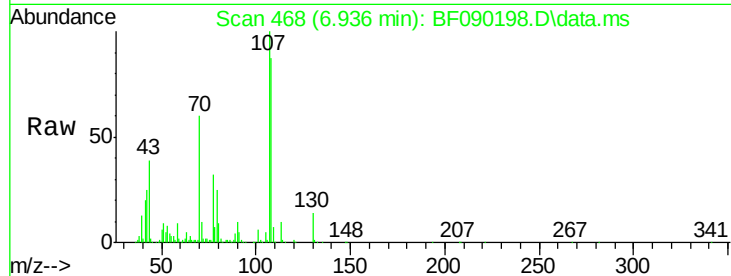
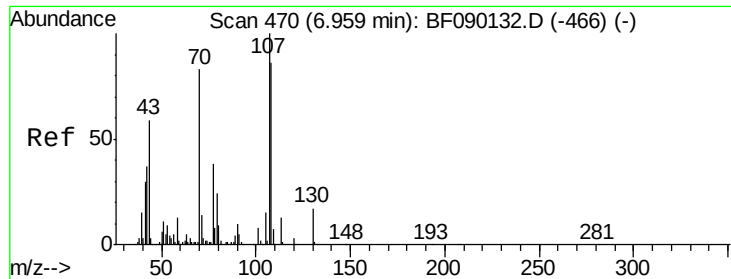
Ion Ratio Lower Upper

117 100

119 99.3 76.6 115.0

201 93.5 55.5 83.3#

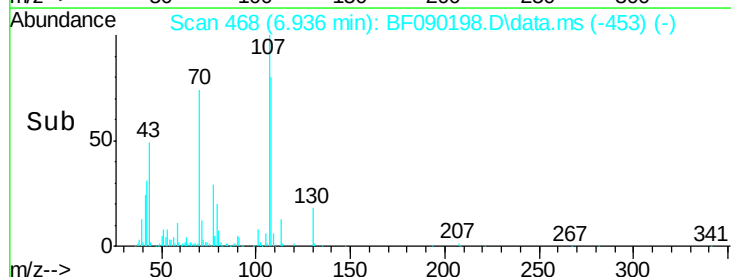
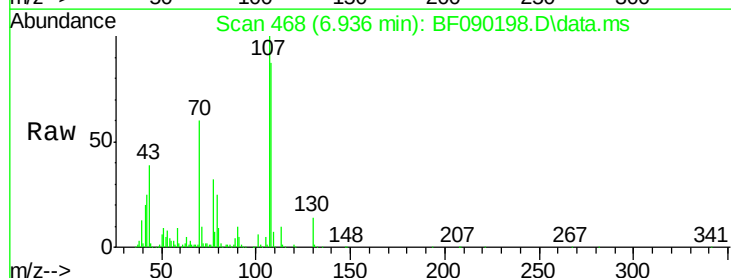
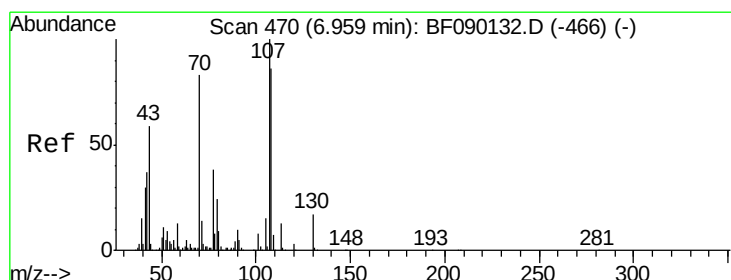
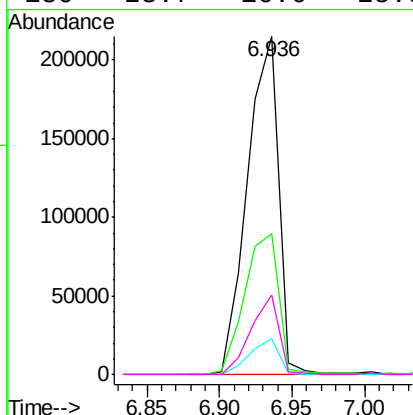




#19  
n-Nitroso-di-n-propylamine  
Concen: 56.43 ng  
RT: 6.936 min Scan# 46  
Delta R.T. -0.022 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

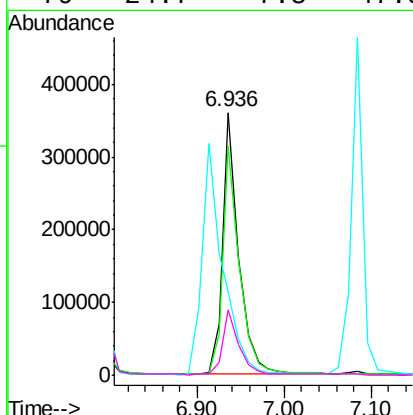
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

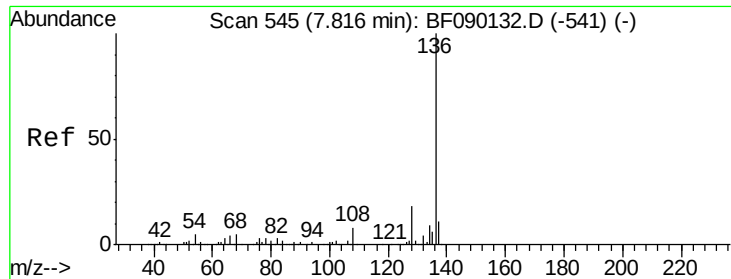
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 321262 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 41.6  | 35.1  | 52.7   |
| 101      | 10.6  | 7.5   | 11.3   |
| 130      | 23.7  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 55.25 ng  
RT: 6.936 min Scan# 468  
Delta R.T. -0.023 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 471736 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.1  | 73.3  | 113.3  |
| 77       | 31.6  | 14.1  | 54.1   |
| 79       | 24.7  | 7.5   | 47.5   |

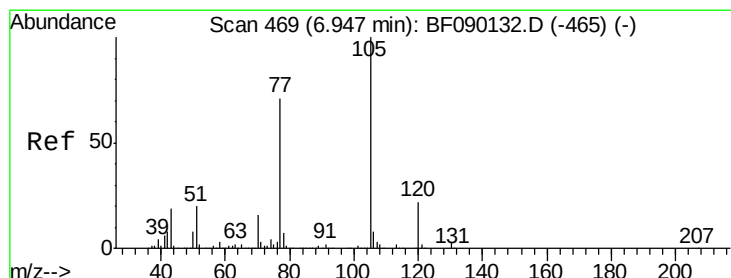
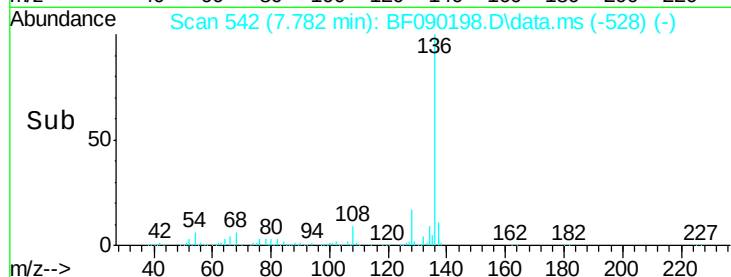
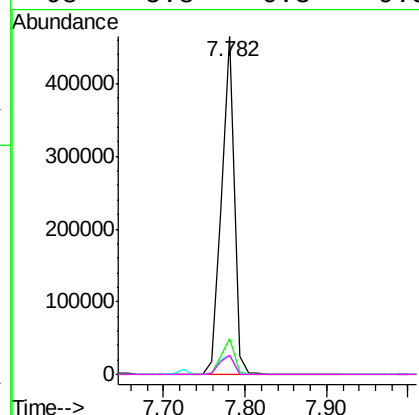
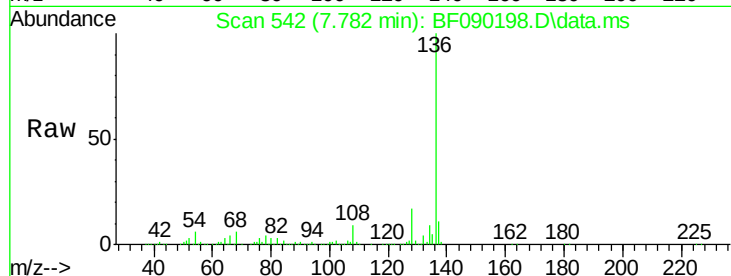




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.782 min Scan# 54  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

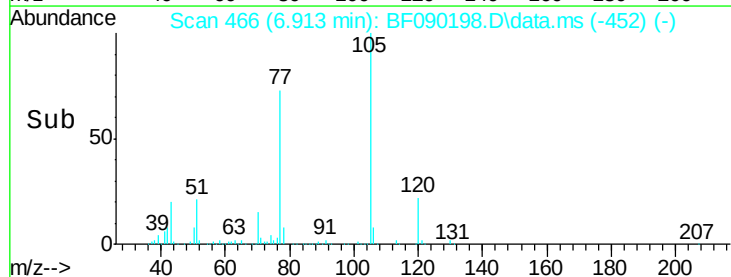
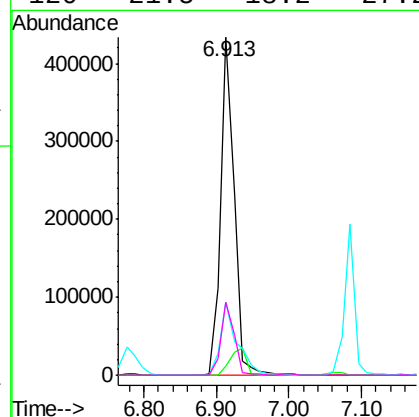
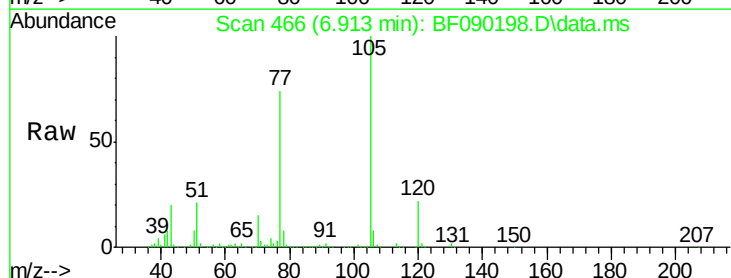
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

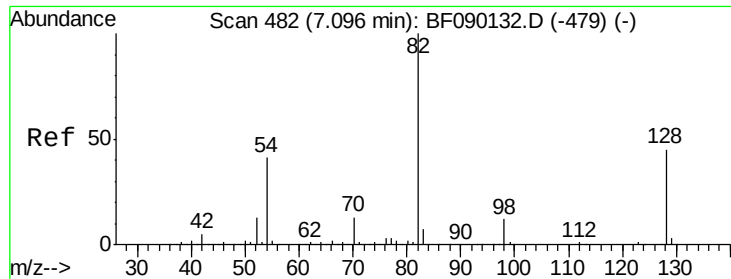
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 504611   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 9.0 13.4 |
| 54          | 5.8   | 6.4 9.6# |
| 68          | 5.8   | 6.3 9.5# |



#22  
Acetophenone  
Concen: 46.41 ng  
RT: 6.913 min Scan# 466  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 564741    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 2.5   | 4.1 6.1#  |
| 51          | 21.5  | 16.2 24.2 |
| 120         | 21.5  | 18.2 27.2 |

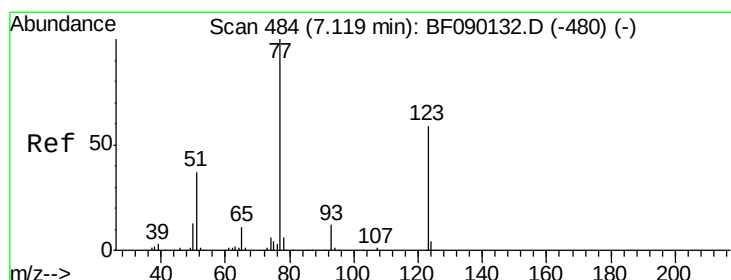
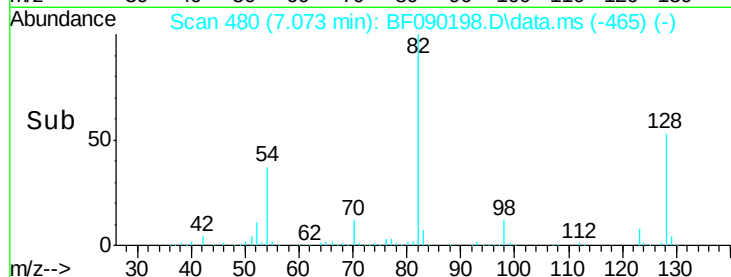
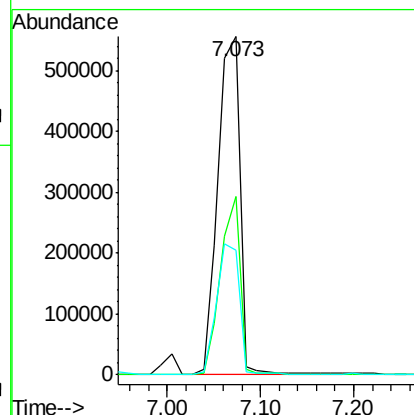
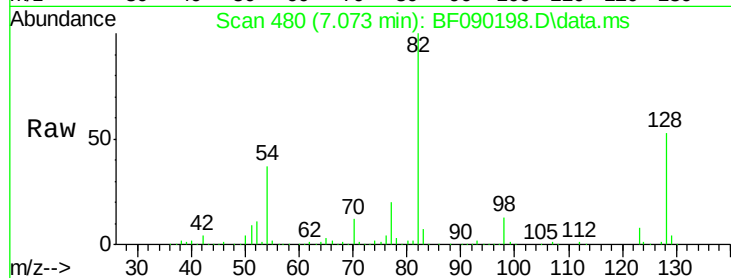




#23  
 Nitrobenzene-d5  
 Concen: 105.19 ng  
 RT: 7.073 min Scan# 481  
 Delta R.T. -0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

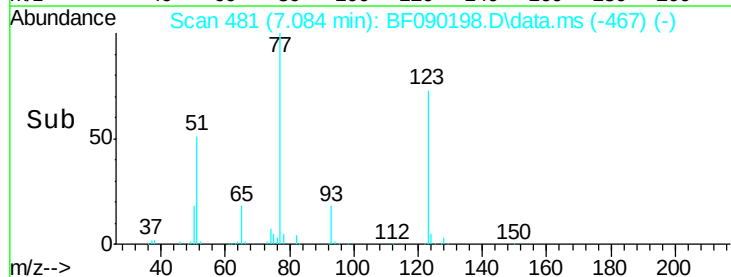
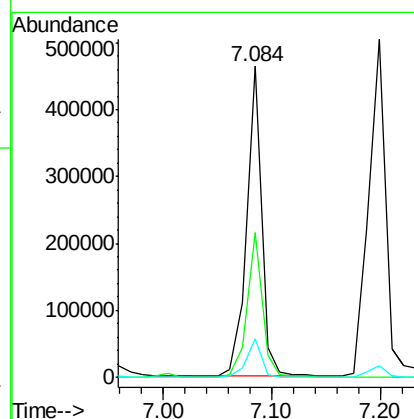
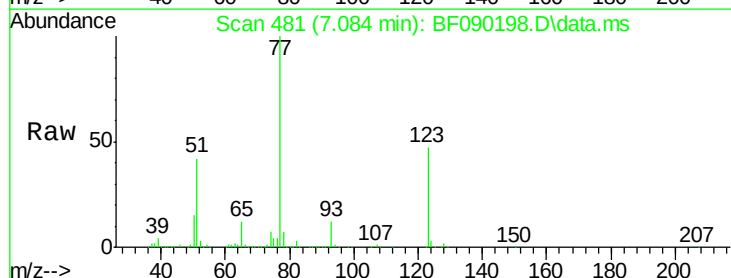
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

| Tot Ion   | 82   | Resp  | 915697 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 52.7 | 37.5  | 56.3   |
| 54        | 36.7 | 31.9  | 47.9   |

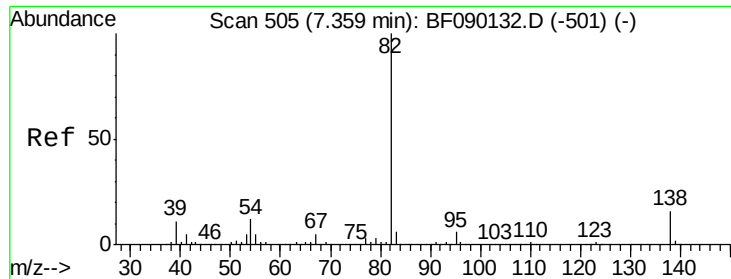


#24  
 Nitrobenzene  
 Concen: 48.18 ng  
 RT: 7.084 min Scan# 481  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion   | 77   | Resp  | 436982 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 46.7 | 33.4  | 50.2   |
| 65        | 12.4 | 10.1  | 15.1   |







#25

Isophorone

Concen: 48.72 ng

RT: 7.336 min Scan# 50

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

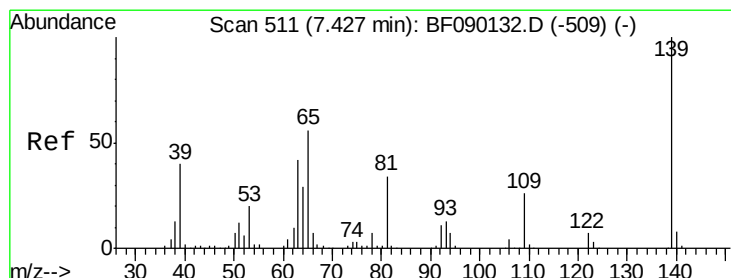
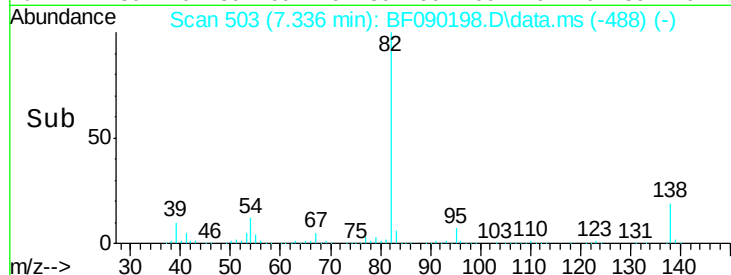
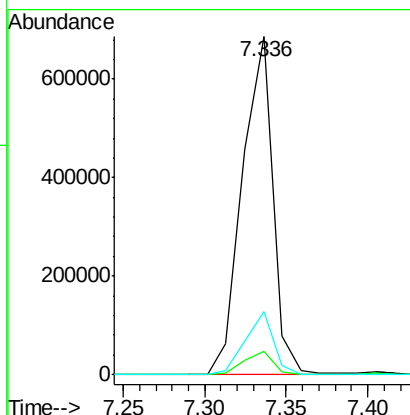
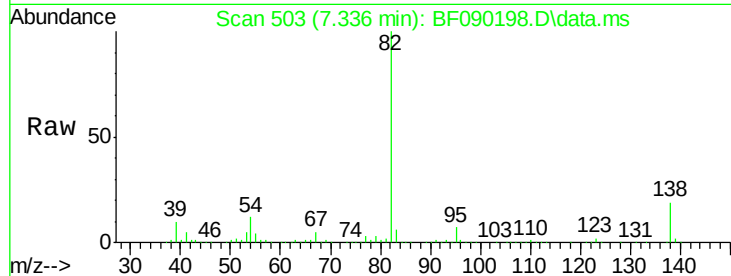
Tot Ion: 82 Resp: 886072

Ion Ratio Lower Upper

82 100

95 6.8 5.1 7.7

138 18.7 13.5 20.3



#26

2-Nitrophenol

Concen: 56.40 ng

RT: 7.405 min Scan# 509

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

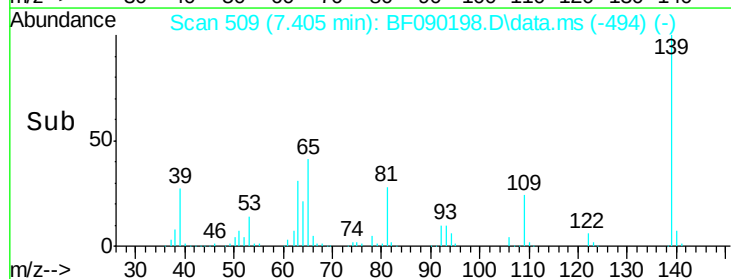
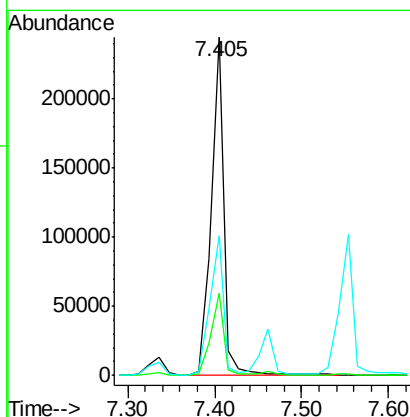
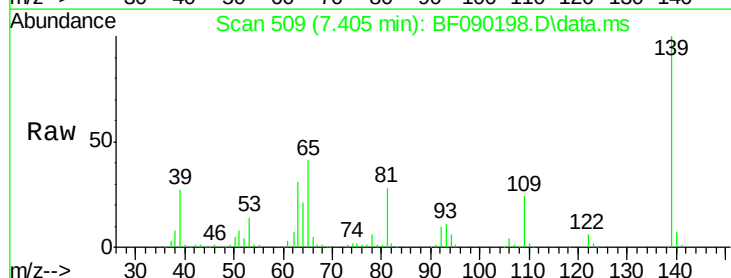
Tgt Ion: 139 Resp: 251912

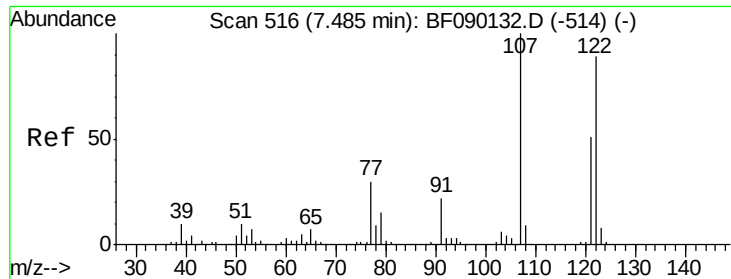
Ion Ratio Lower Upper

139 100

109 24.4 20.5 30.7

65 41.4 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 51.56 ng

RT: 7.462 min Scan# 51

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

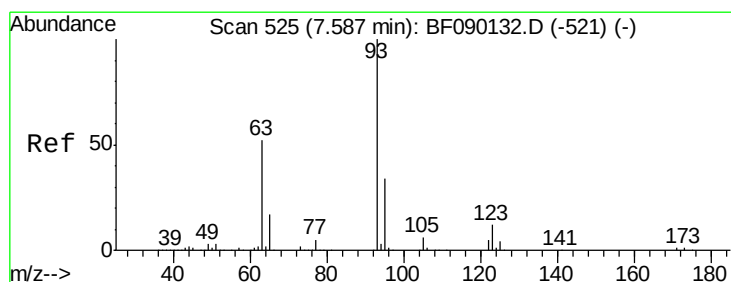
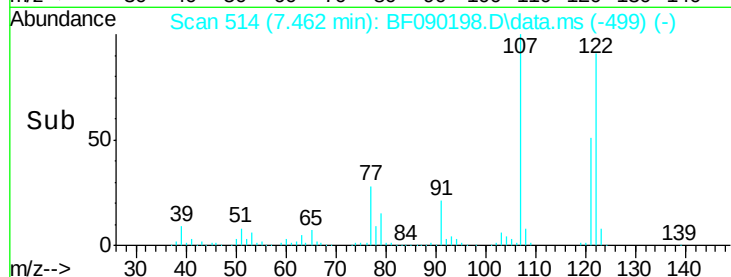
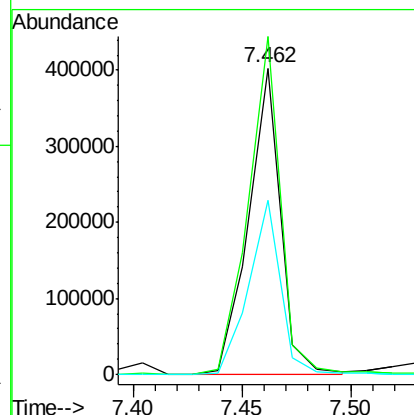
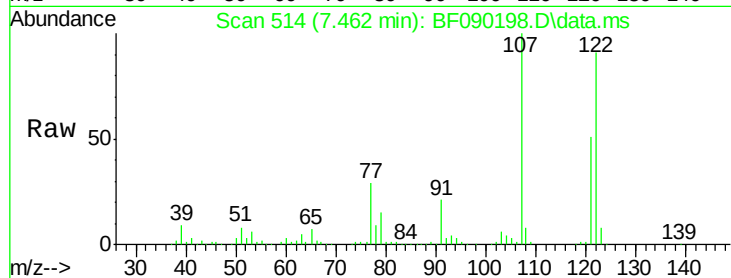
Tot Ion:122 Resp: 409127

Ion Ratio Lower Upper

122 100

107 110.3 87.8 131.6

121 56.7 45.7 68.5



#28

bis(2-Chloroethoxy)methane

Concen: 51.22 ng

RT: 7.553 min Scan# 522

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

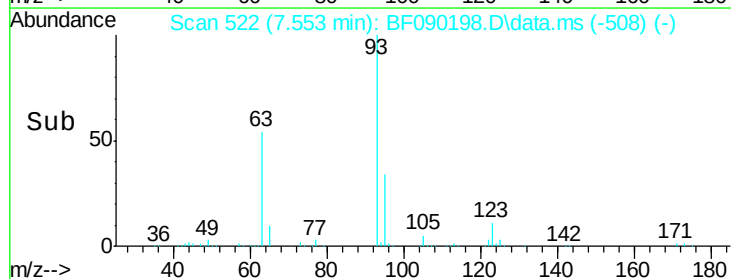
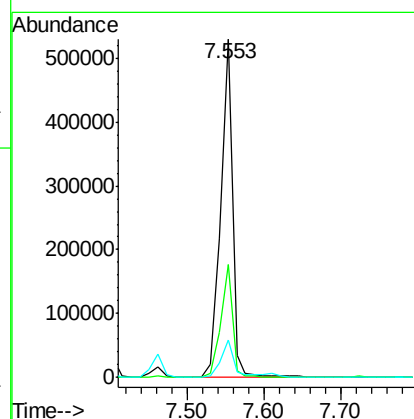
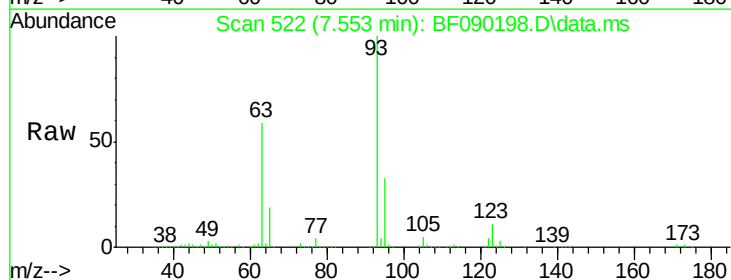
Tgt Ion: 93 Resp: 563512

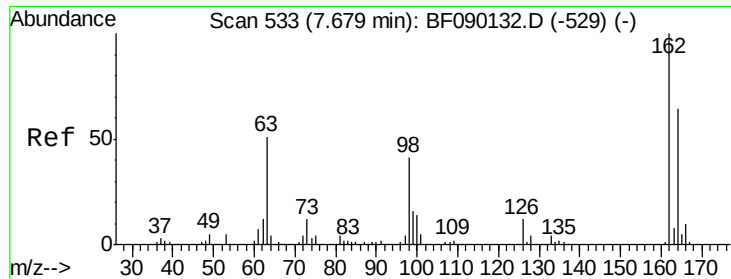
Ion Ratio Lower Upper

93 100

95 33.3 26.8 40.2

123 11.0 8.5 12.7

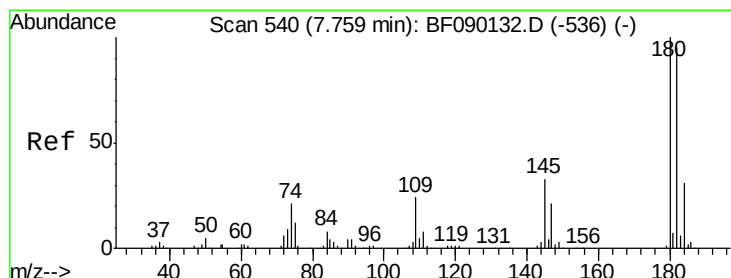
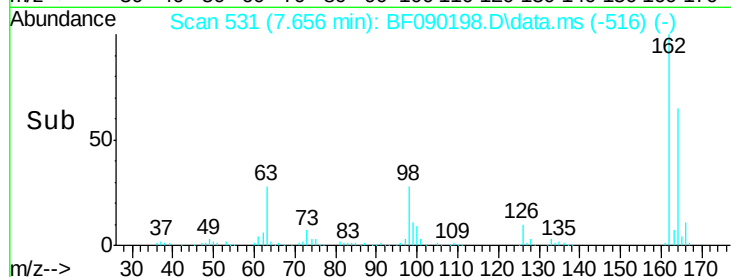
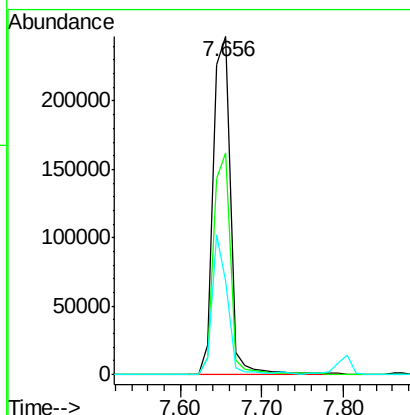
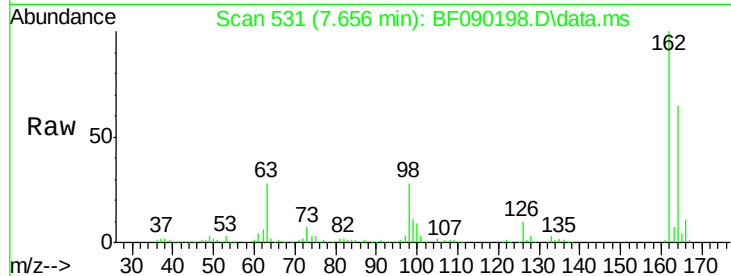




#29  
 2,4-Dichlorophenol  
 Concen: 52.68 ng  
 RT: 7.656 min Scan# 531  
 Delta R.T. -0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

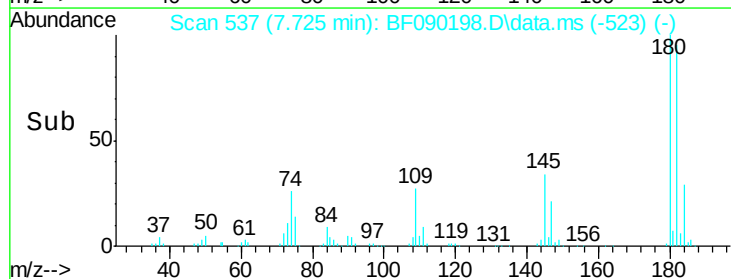
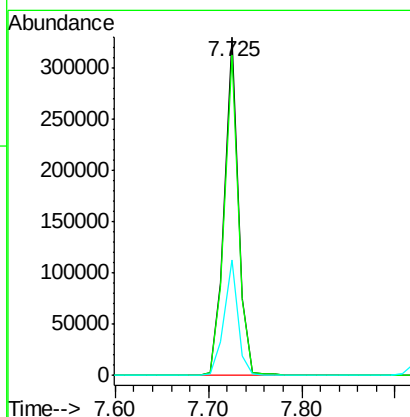
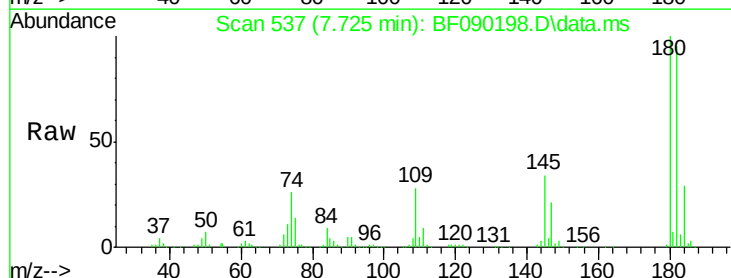
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

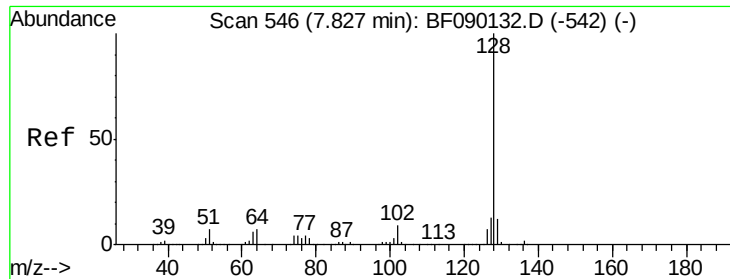
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.4  | 46.2  | 86.2  |
| 98      | 27.7  | 10.4  | 50.4  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.91 ng  
 RT: 7.725 min Scan# 537  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 75.0  | 112.6 |
| 145     | 34.1  | 28.6  | 42.8  |





#31

Naphthalene

Concen: 56.14 ng

RT: 7.805 min Scan# 54

Delta R.T. -0.022 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

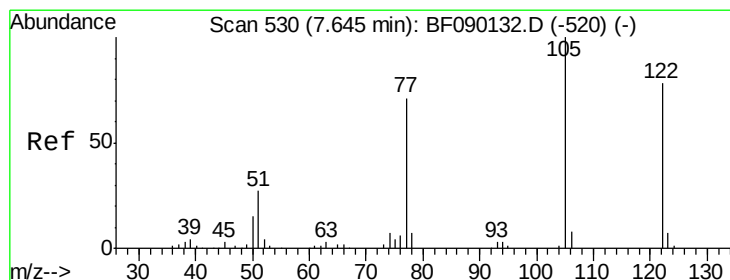
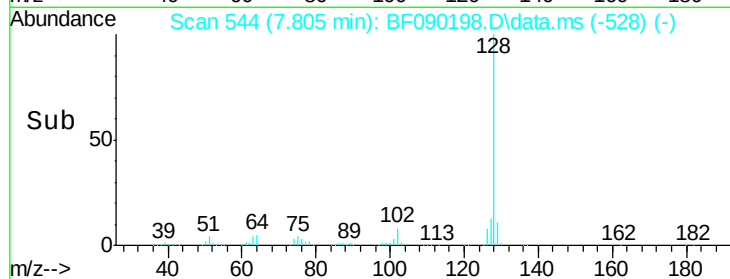
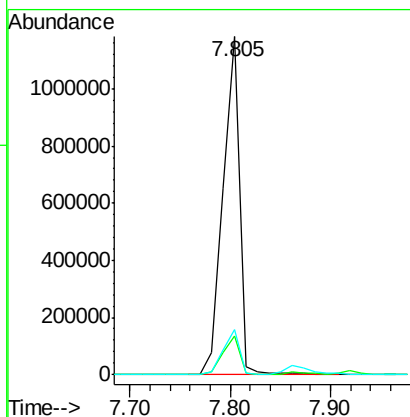
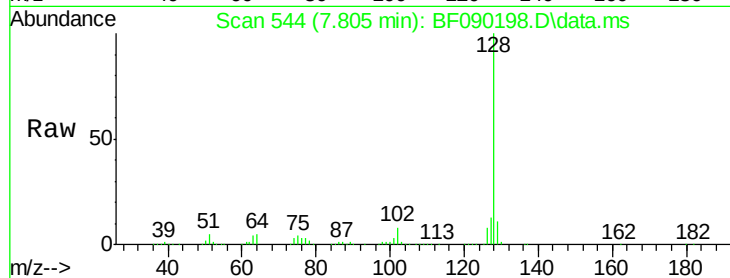
Tot Ion:128 Resp: 1348872

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 43.13 ng

RT: 7.610 min Scan# 527

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

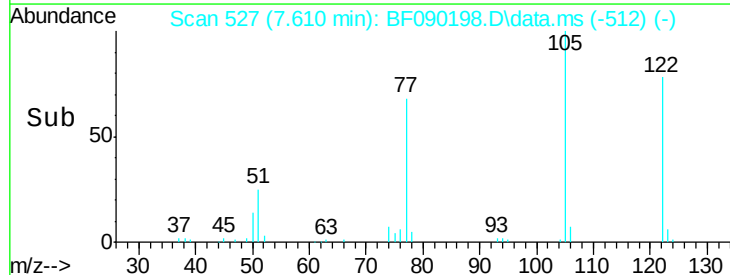
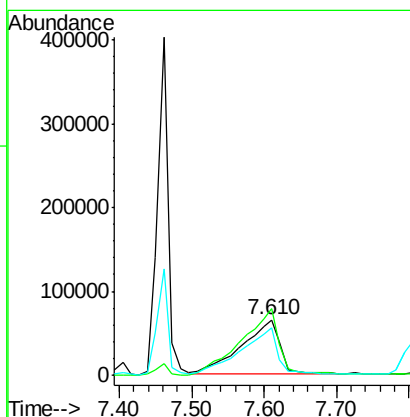
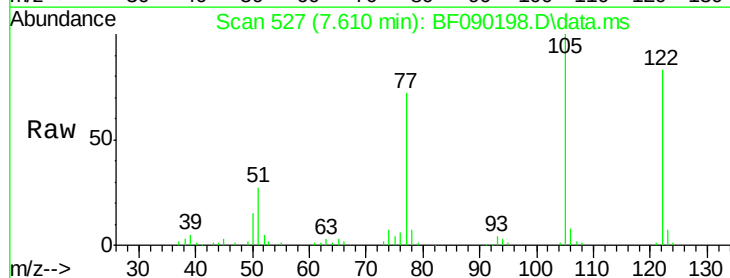
Tgt Ion:122 Resp: 234944

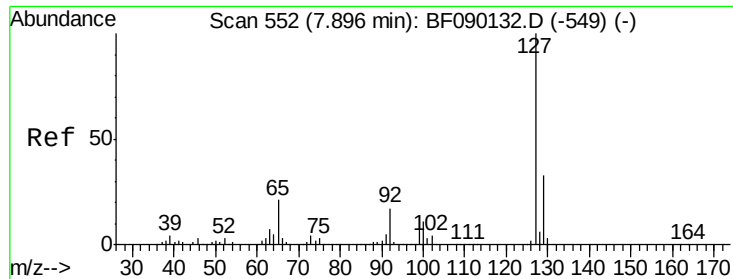
Ion Ratio Lower Upper

122 100

105 119.9 105.0 145.0

77 85.9 70.4 110.4

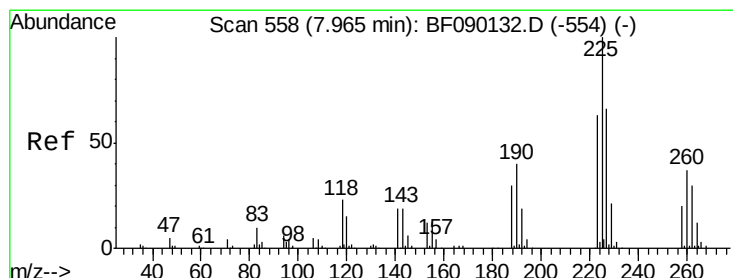
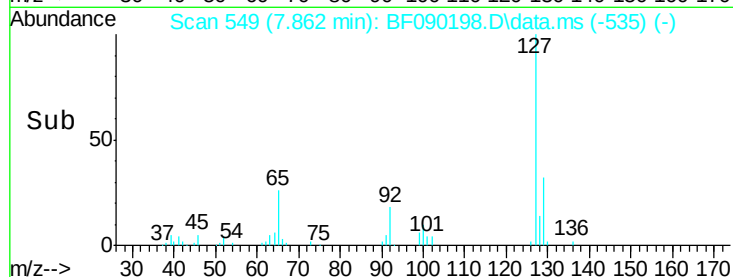
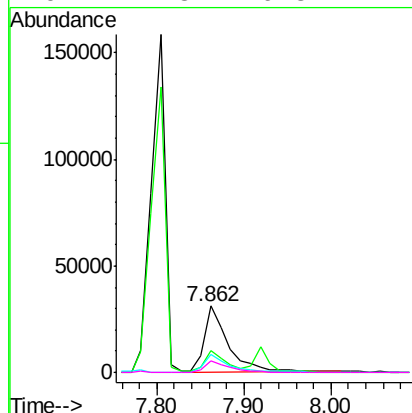
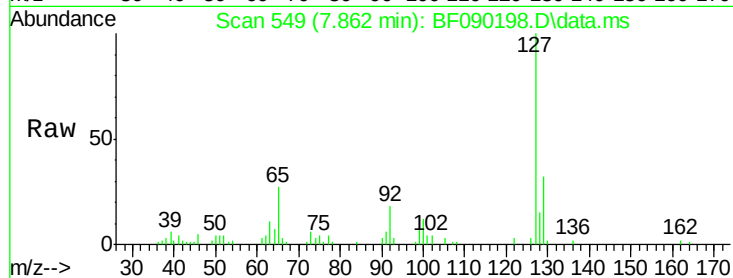




#33  
4-Chloroaniline  
Concen: 5.88 ng  
RT: 7.862 min Scan# 541  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

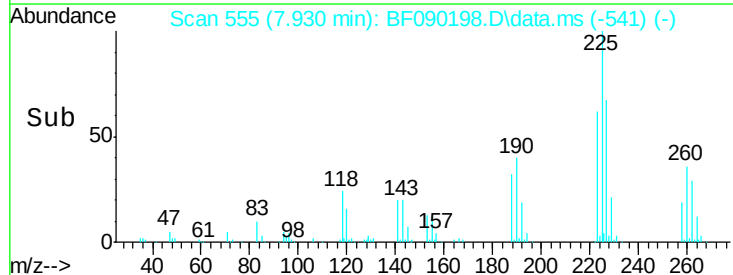
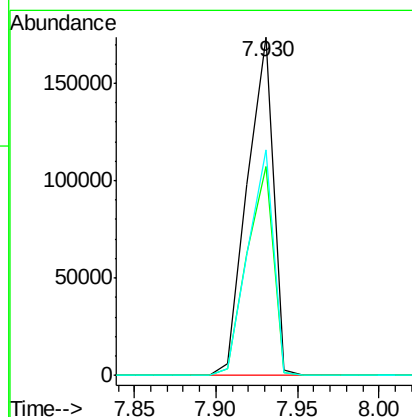
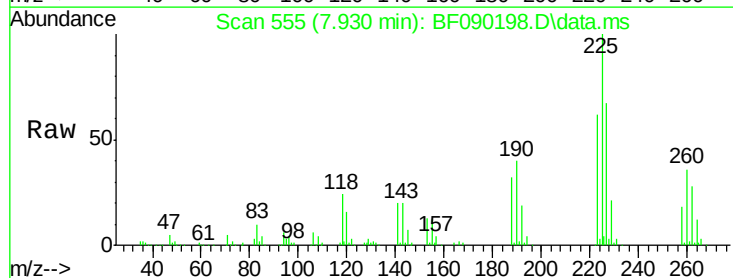
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

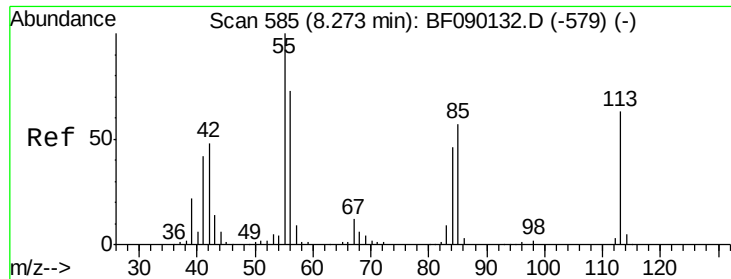
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 58556     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 32.3  | 25.8 38.6 |
| 65          | 27.0  | 24.1 36.1 |
| 92          | 17.8  | 16.3 24.5 |



#34  
Hexachlorobutadiene  
Concen: 52.44 ng  
RT: 7.930 min Scan# 555  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 192321    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.9  | 51.3 76.9 |
| 227         | 66.7  | 51.4 77.0 |





#35

Caprolactam

Concen: 35.96 ng

RT: 8.250 min Scan# 58

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

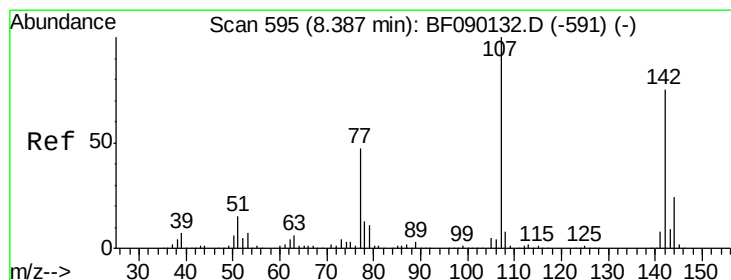
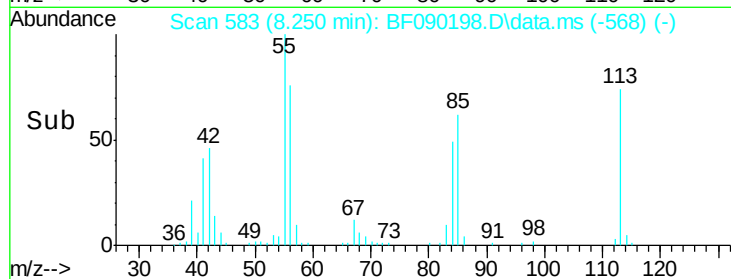
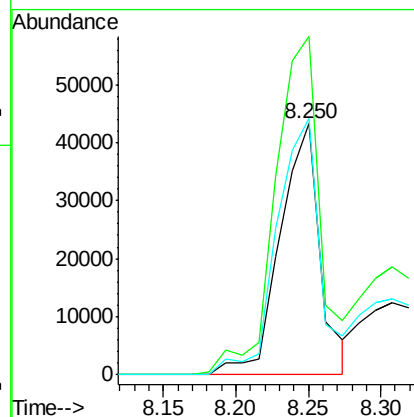
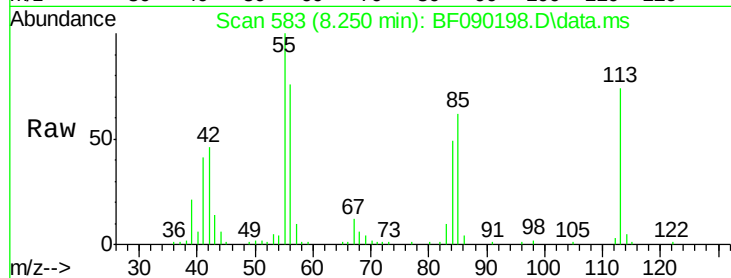
Tot Ion:113 Resp: 82831

Ion Ratio Lower Upper

113 100

55 134.7 134.5 174.5

56 102.1 93.7 133.7



#36

4-Chloro-3-methylphenol

Concen: 48.62 ng

RT: 8.365 min Scan# 593

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

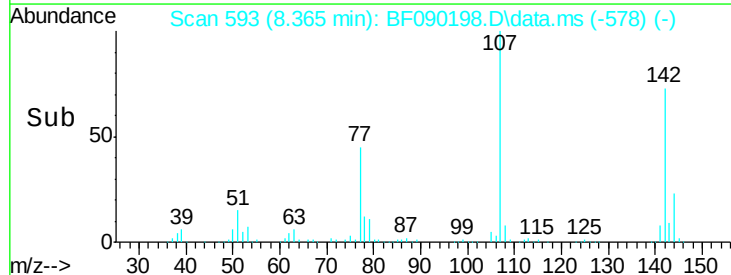
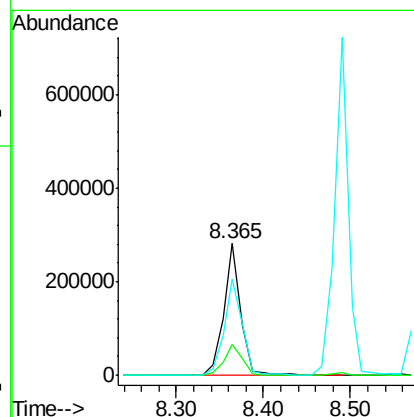
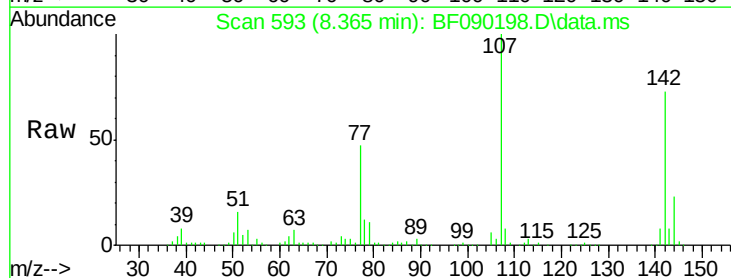
Tgt Ion:107 Resp: 382457

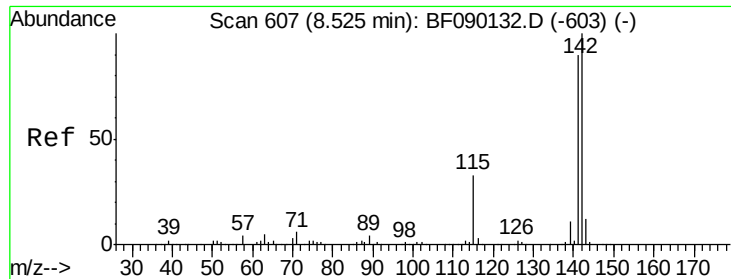
Ion Ratio Lower Upper

107 100

144 23.2 18.6 27.8

142 72.6 57.0 85.6

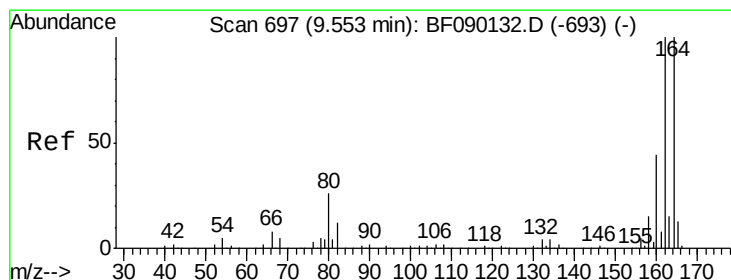
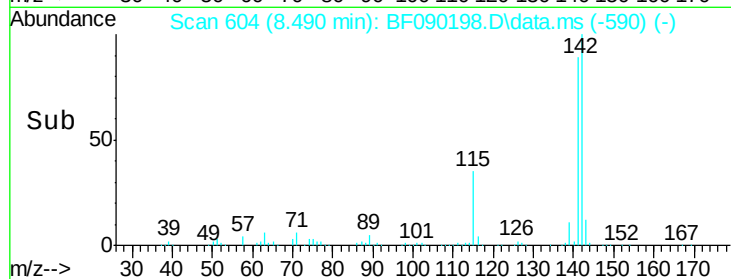
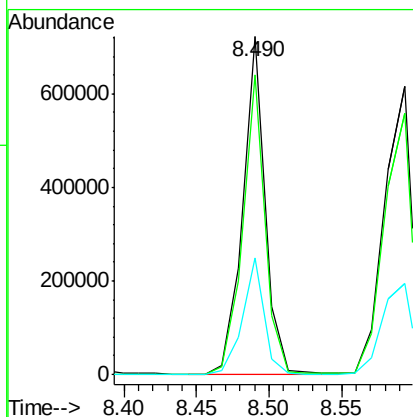
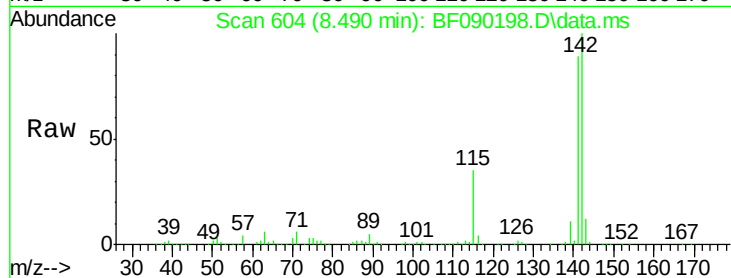




#37  
2-Methylnaphthalene  
Concen: 51.53 ng  
RT: 8.490 min Scan# 60  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

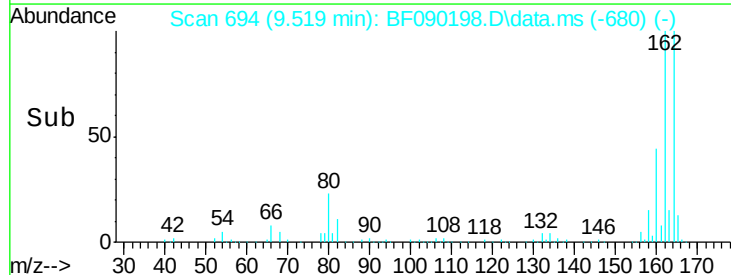
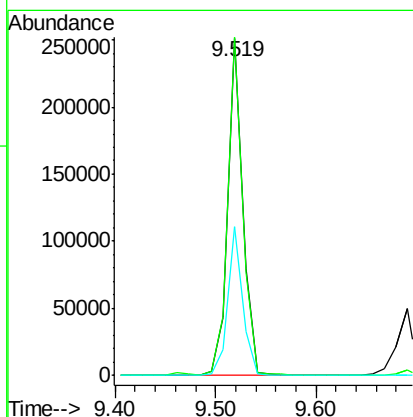
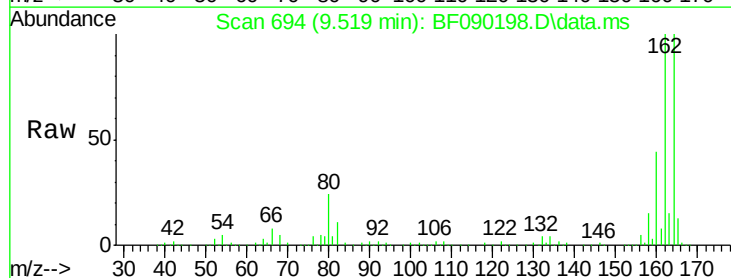
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

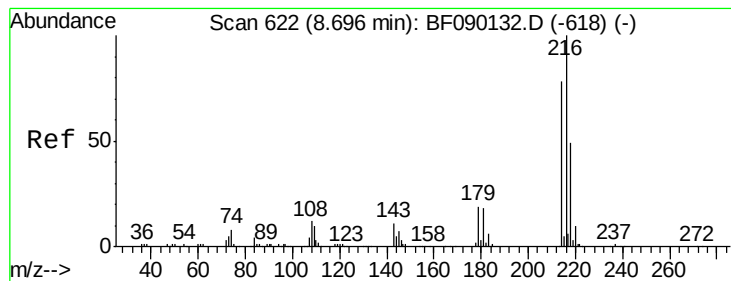
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 71.4  | 107.2 |
| 115     | 34.7  | 28.3  | 42.5  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.519 min Scan# 694  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.4 | 81.4  | 122.2 |
| 160     | 44.1  | 36.6  | 54.8  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 49.96 ng

RT: 8.662 min Scan# 61

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

Tot Ion:216 Resp: 299565

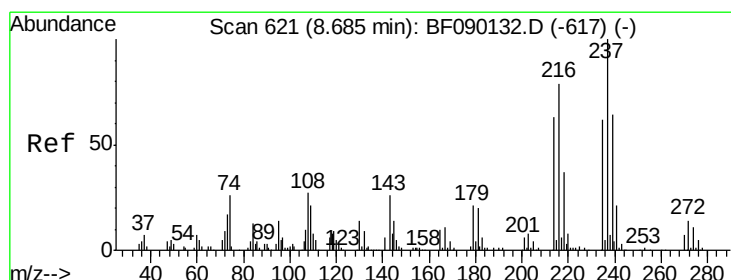
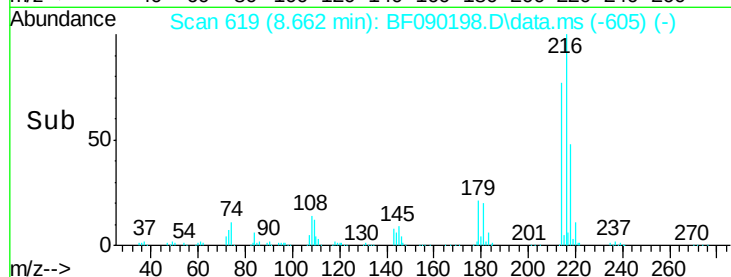
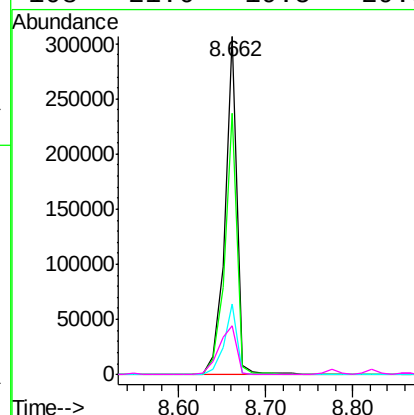
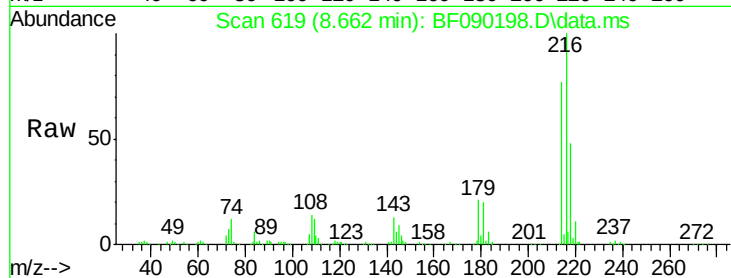
Ion Ratio Lower Upper

216 100

214 78.3 63.7 95.5

179 21.6 18.5 27.7

108 21.6 19.5 29.3



#40

Hexachlorocyclopentadiene

Concen: 104.06 ng

RT: 8.650 min Scan# 618

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

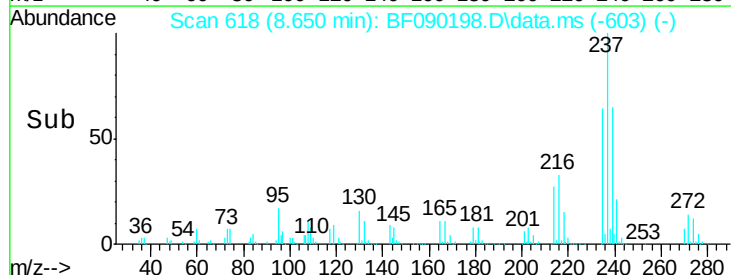
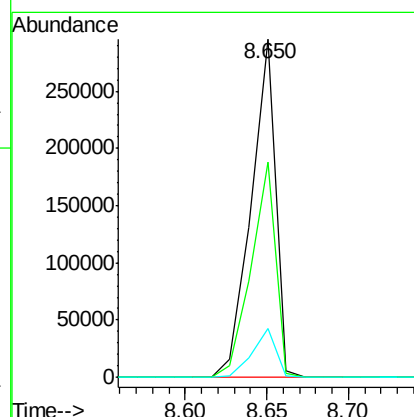
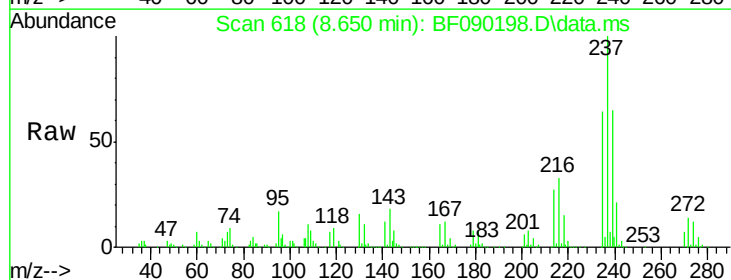
Tgt Ion:237 Resp: 307880

Ion Ratio Lower Upper

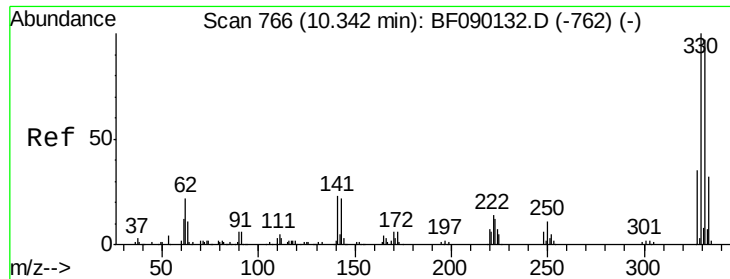
237 100

235 63.7 42.5 82.5

272 14.4 0.0 32.0



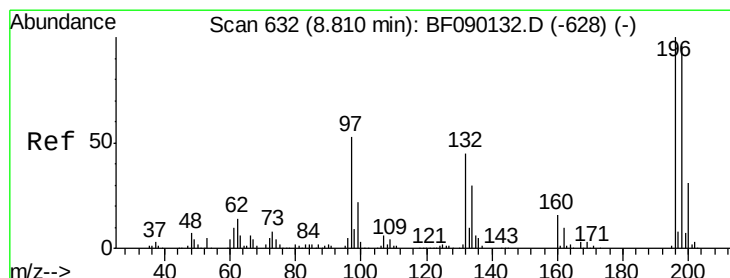
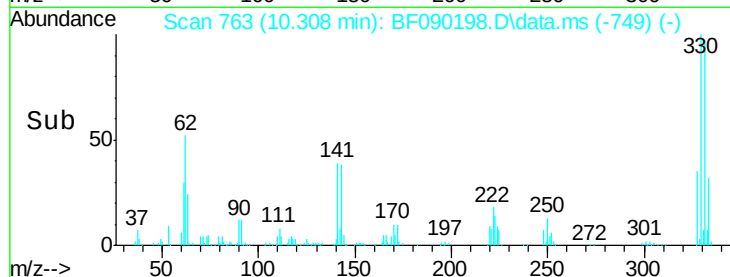
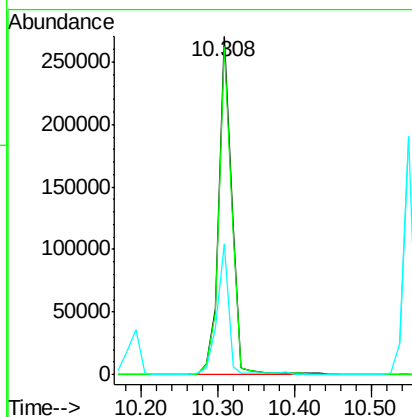
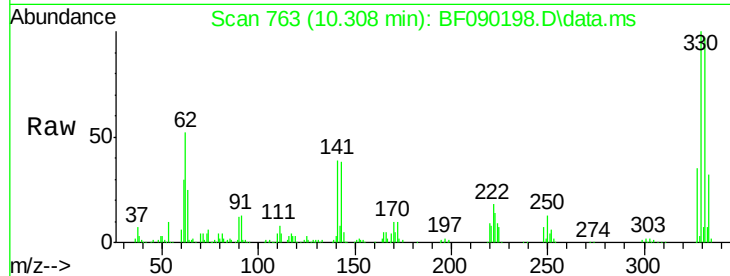




#41  
 2,4,6-Tribromophenol  
 Concen: 143.16 ng  
 RT: 10.308 min Scan# 766  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

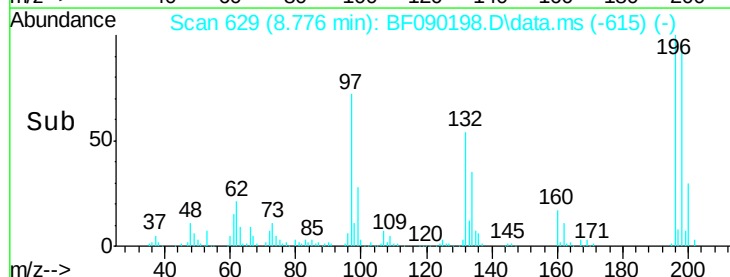
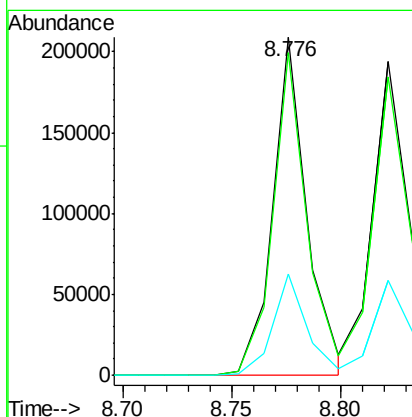
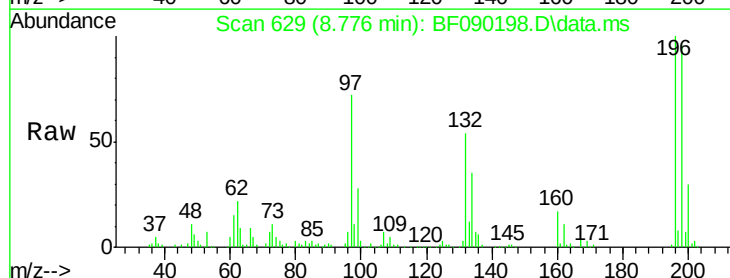
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

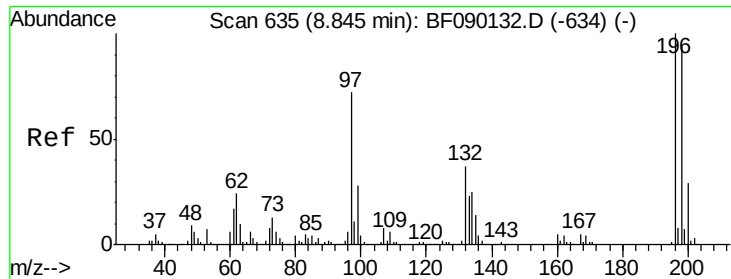
Tot Ion:330 Resp: 320818  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 78.1 117.1  
 141 33.9 23.9 35.9



#42  
 2,4,6-Trichlorophenol  
 Concen: 53.62 ng  
 RT: 8.776 min Scan# 629  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion:196 Resp: 229098  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 76.3 114.5  
 200 29.8 24.1 36.1

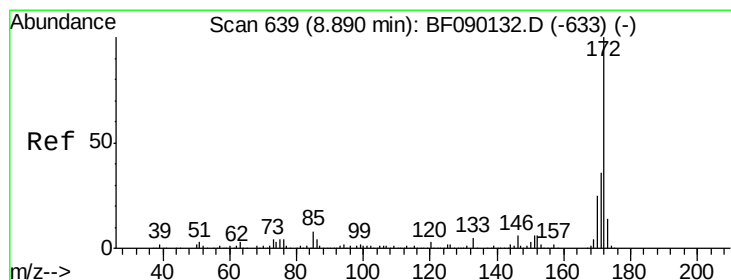
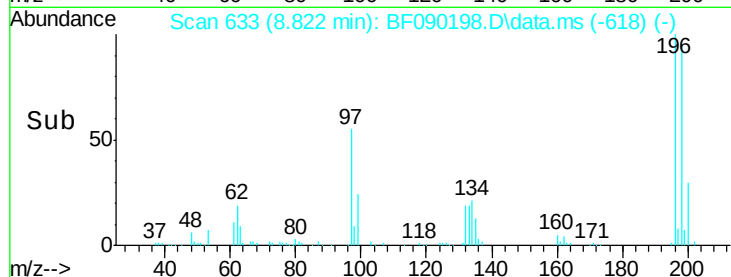
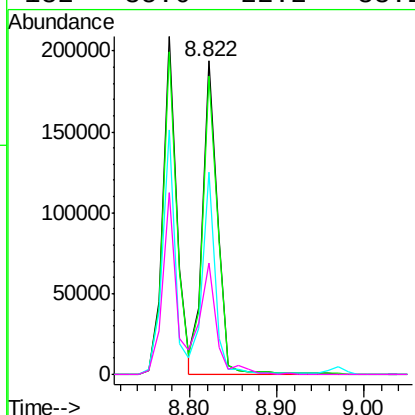
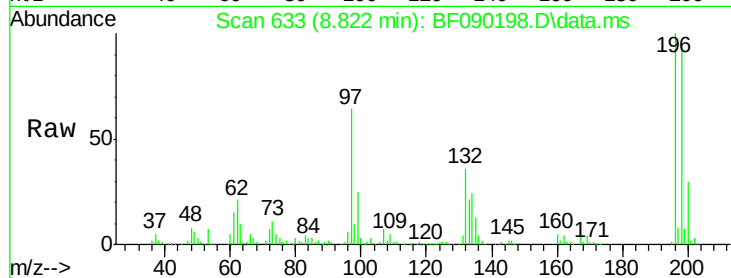




#43  
 2,4,5-Trichlorophenol  
 Concen: 51.63 ng  
 RT: 8.822 min Scan# 631  
 Delta R.T. -0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

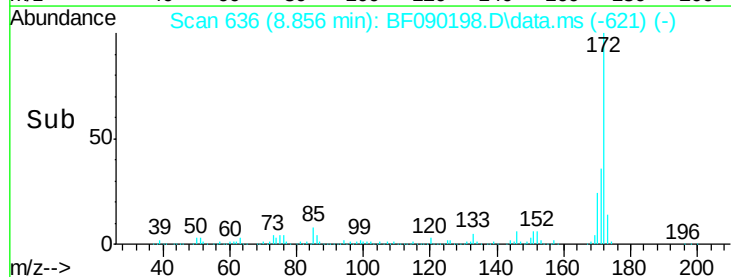
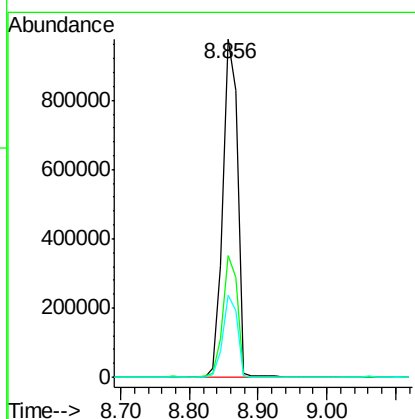
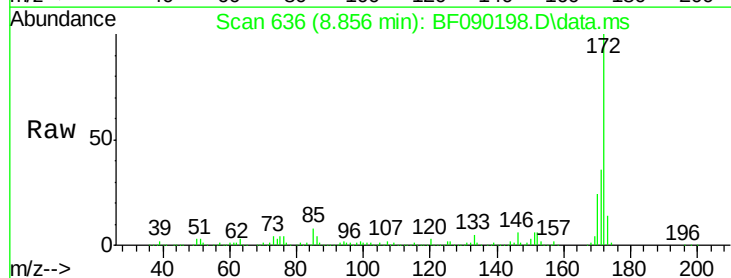
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

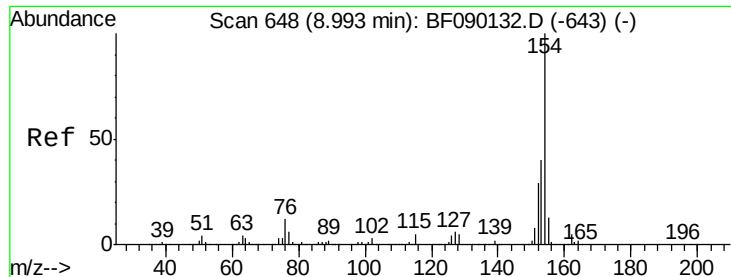
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.9  | 76.6  | 114.8 |
| 97      | 64.4  | 34.4  | 51.6  |
| 132     | 35.6  | 22.2  | 33.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 112.77 ng  
 RT: 8.856 min Scan# 636  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.2  | 43.8  |
| 170     | 24.3  | 19.8  | 29.8  |

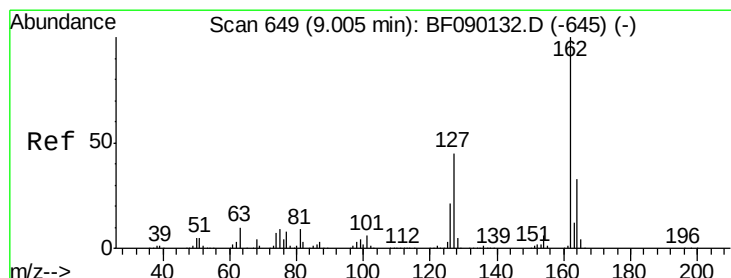
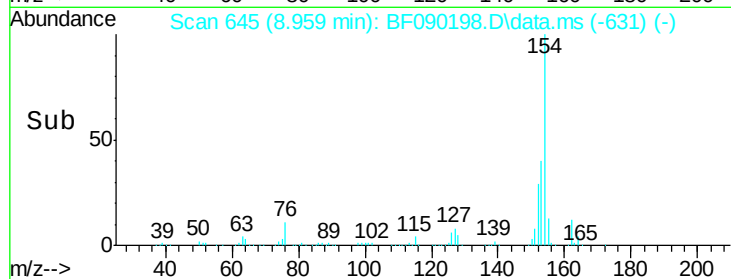
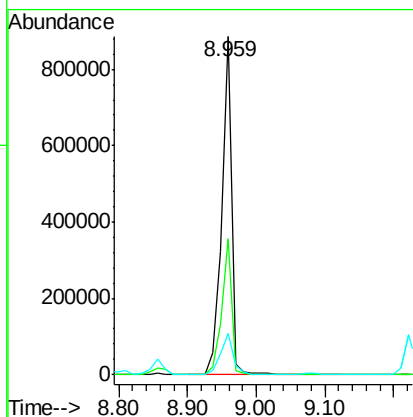
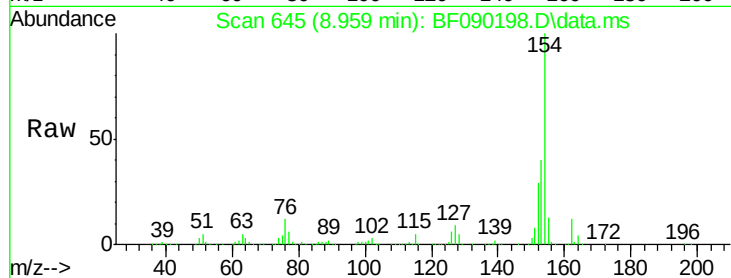




#45  
 1,1'-Biphenyl  
 Concen: 48.38 ng  
 RT: 8.959 min Scan# 64  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

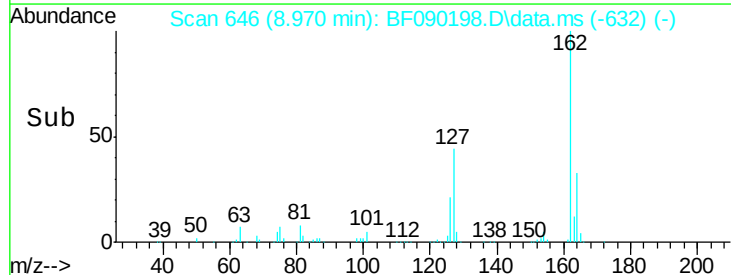
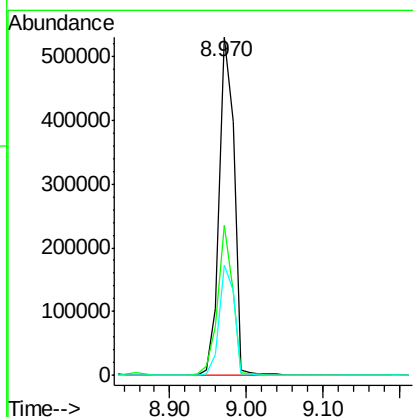
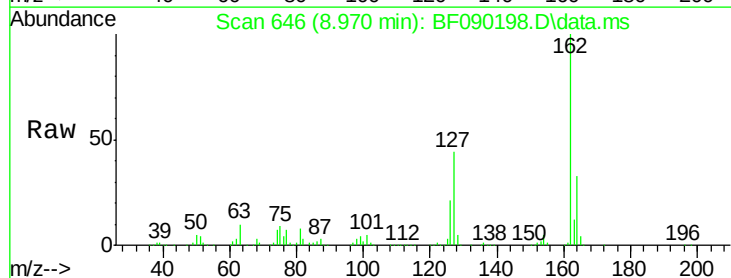
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

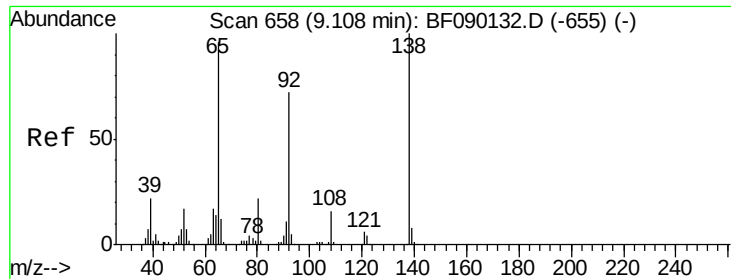
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.1  | 20.6  | 60.6  |
| 76      | 12.1  | 0.0   | 36.7  |



#46  
 2-Chloronaphthalene  
 Concen: 52.97 ng  
 RT: 8.970 min Scan# 646  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 44.4  | 34.0  | 51.0  |
| 164     | 32.6  | 26.8  | 40.2  |

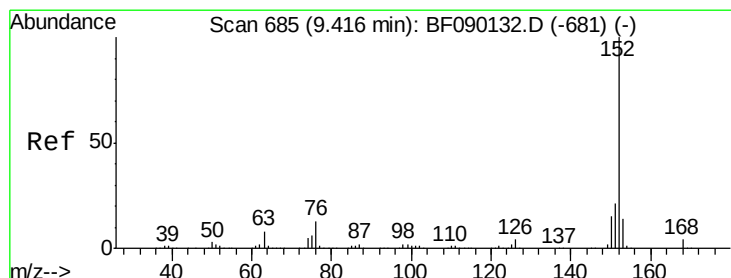
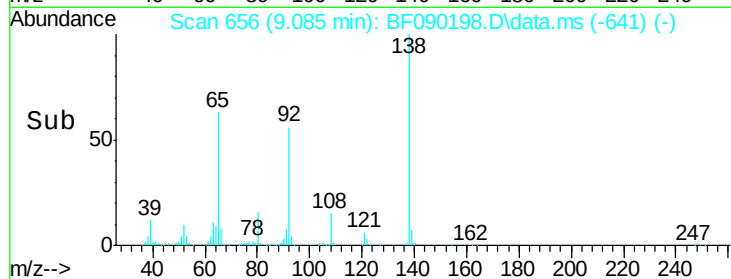
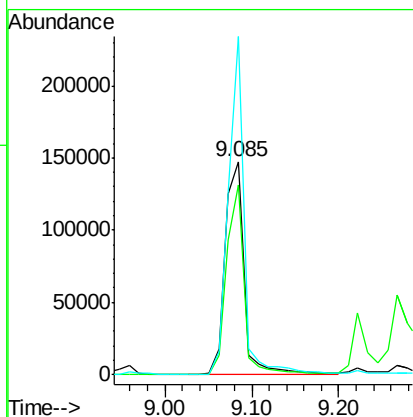
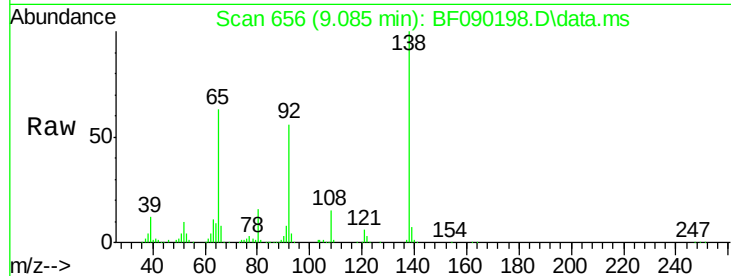




#47  
2-Nitroaniline  
Concen: 54.18 ng  
RT: 9.085 min Scan# 65  
Delta R.T. -0.023 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

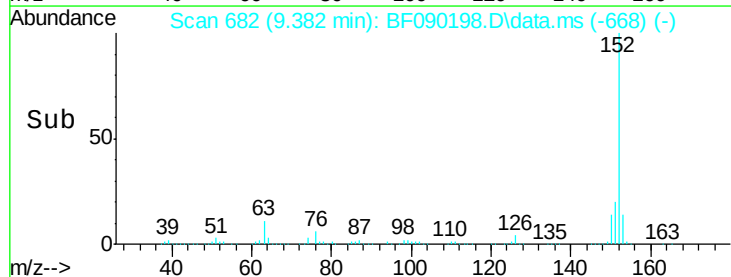
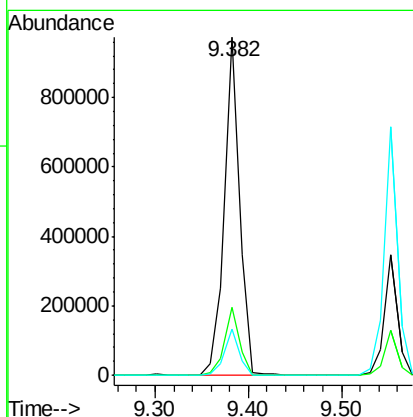
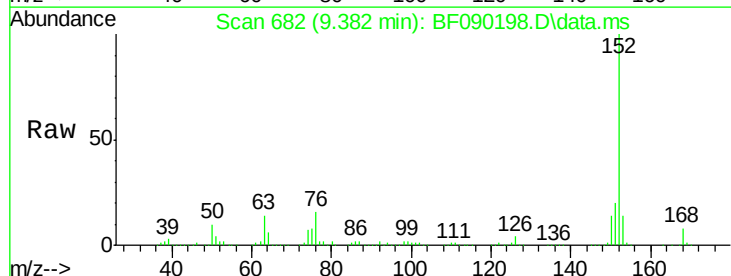
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

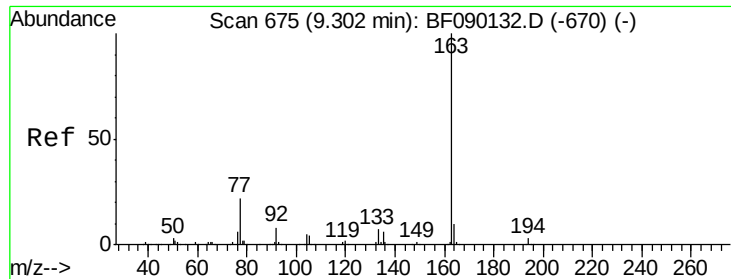
Tot Ion: 65 Resp: 225211  
Ion Ratio Lower Upper  
65 100  
92 89.1 66.1 99.1  
138 159.0 104.1 156.1#



#48  
Acenaphthylene  
Concen: 49.85 ng  
RT: 9.382 min Scan# 682  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

Tgt Ion:152 Resp: 1116067  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.5 24.7  
153 13.7 10.6 15.8





#49

Dimethylphthalate

Concen: 54.50 ng

RT: 9.279 min Scan# 67

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

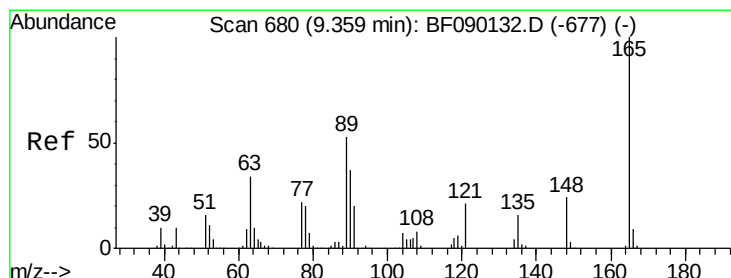
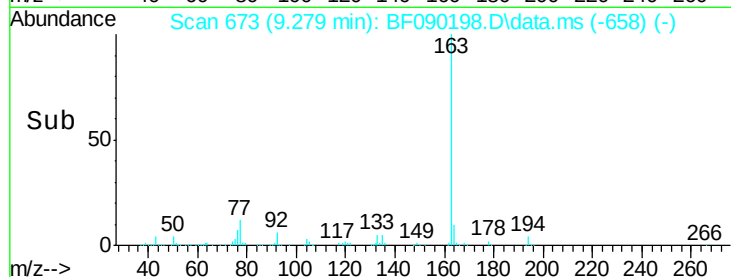
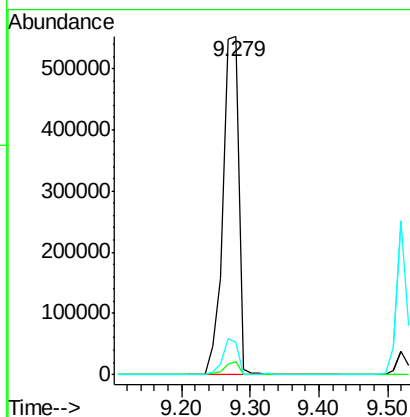
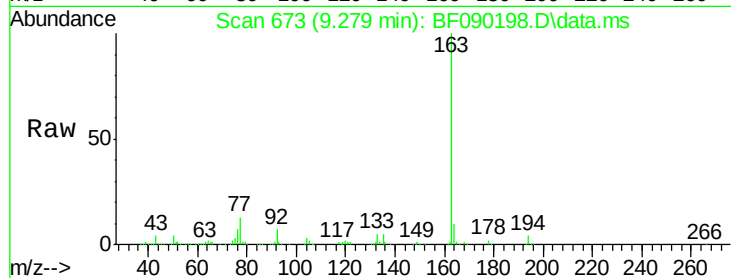
Tot Ion:163 Resp: 906681

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

164 9.7 8.1 12.1



#50

2,6-Dinitrotoluene

Concen: 49.77 ng

RT: 9.325 min Scan# 677

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

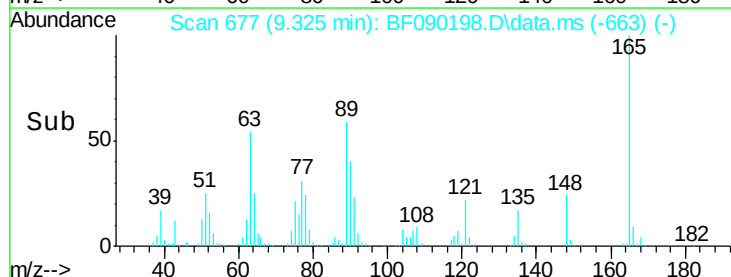
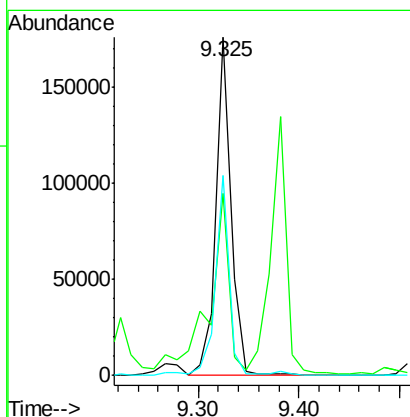
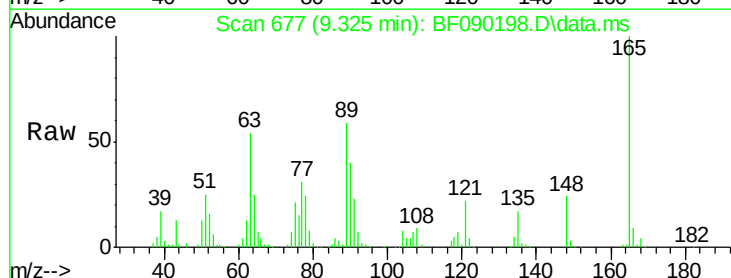
Tgt Ion:165 Resp: 184547

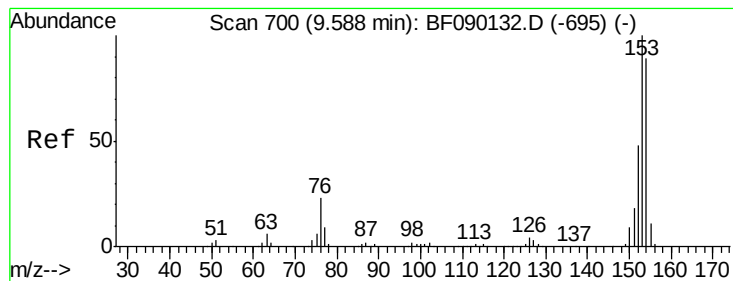
Ion Ratio Lower Upper

165 100

63 53.7 49.9 74.9

89 59.3 51.0 76.4





#51

Acenaphthene

Concen: 48.69 ng

RT: 9.553 min Scan# 69

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

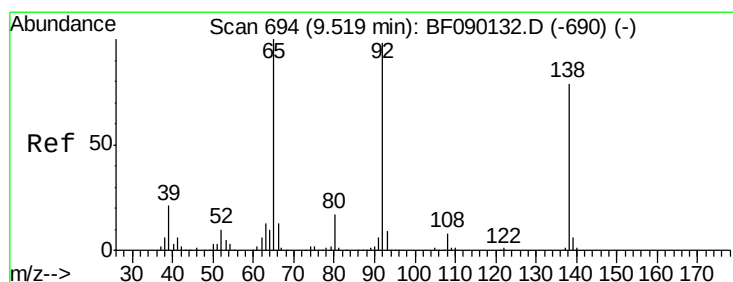
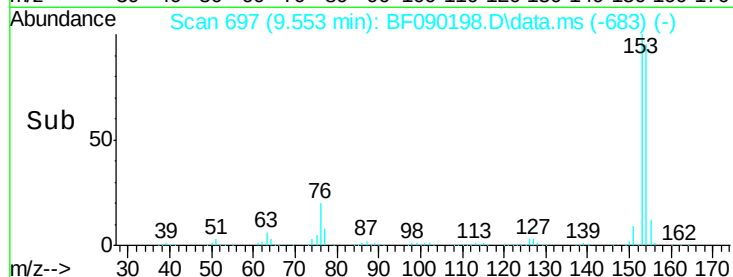
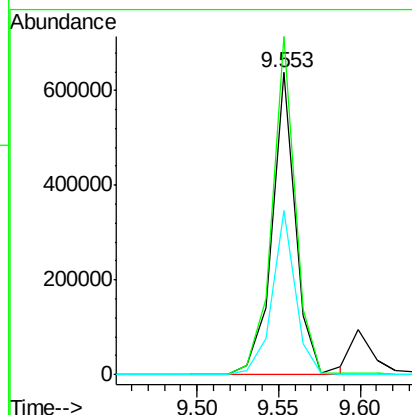
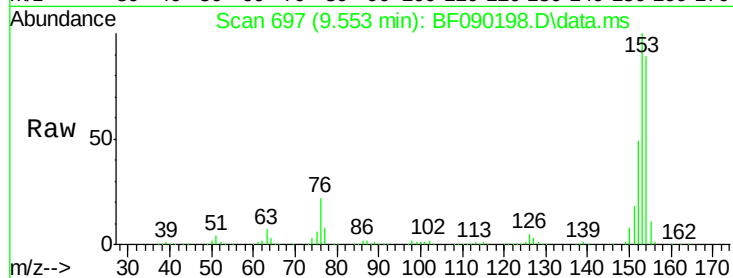
Tot Ion:154 Resp: 647150

Ion Ratio Lower Upper

154 100

153 112.0 90.8 136.2

152 54.4 44.2 66.4



#52

3-Nitroaniline

Concen: 8.98 ng

RT: 9.485 min Scan# 691

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

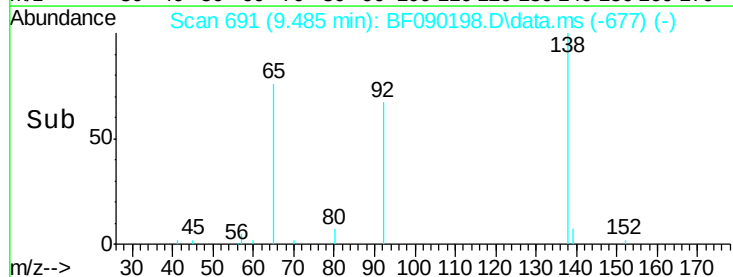
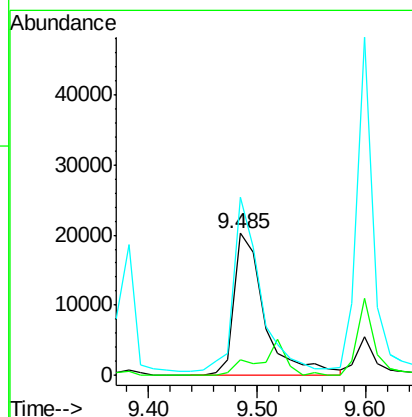
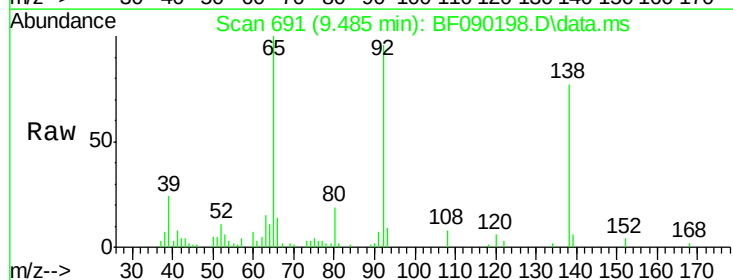
Tgt Ion:138 Resp: 39035

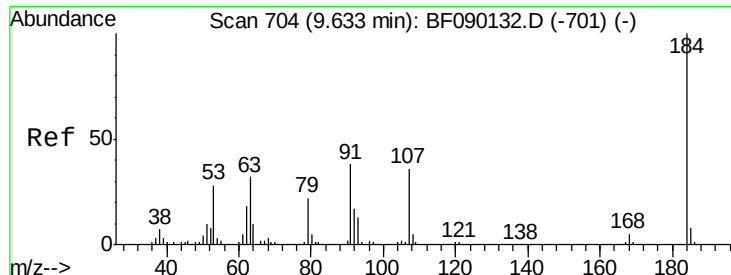
Ion Ratio Lower Upper

138 100

108 10.7 7.8 11.6

92 125.6 90.7 136.1

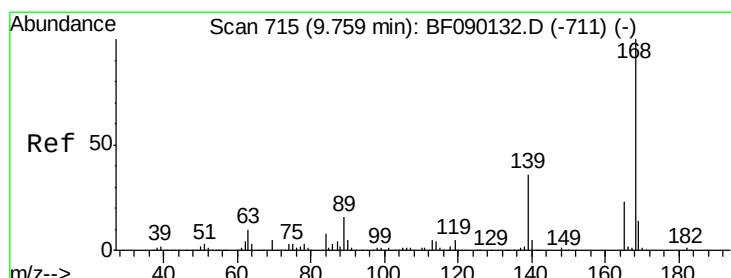
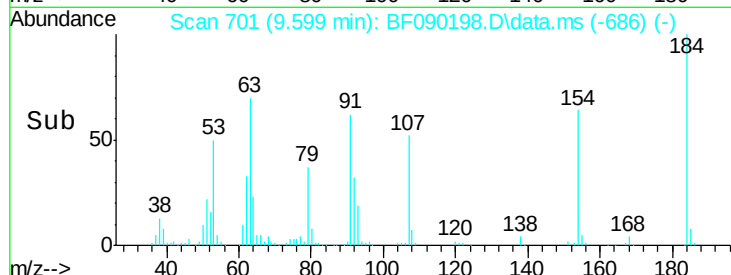
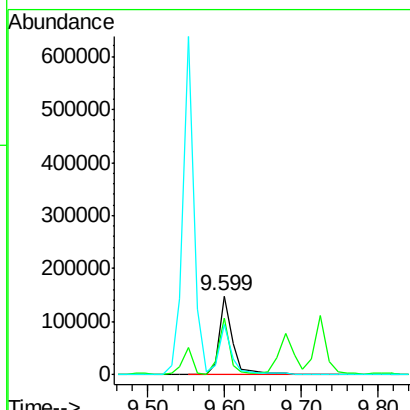
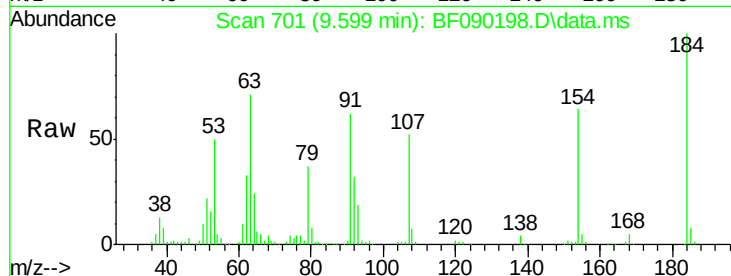




#53  
 2,4-Dinitrophenol  
 Concen: 86.38 ng  
 RT: 9.599 min Scan# 701  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

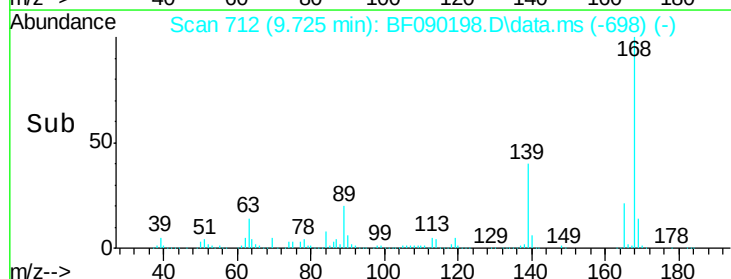
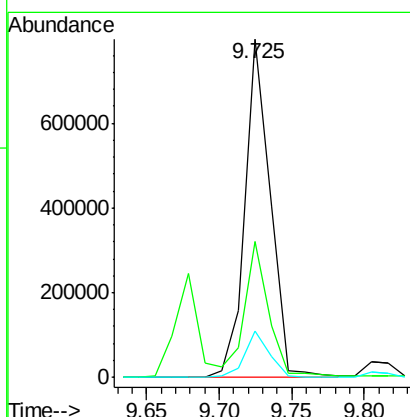
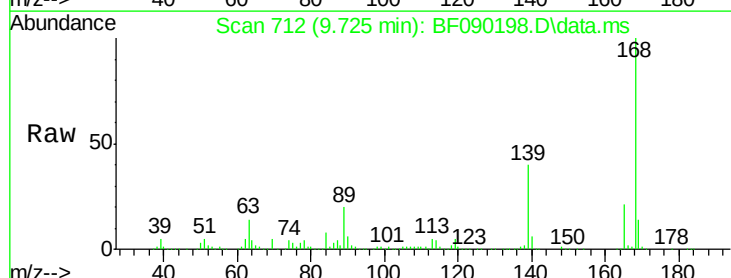
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

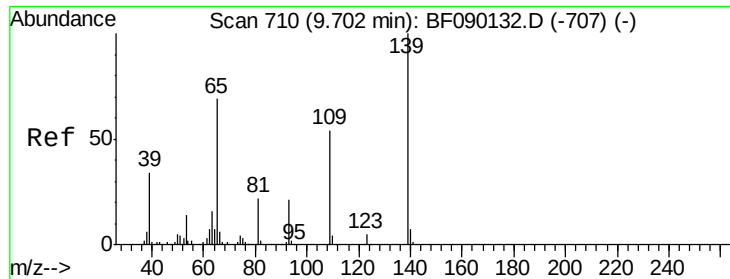
Tot Ion:184 Resp: 179710  
 Ion Ratio Lower Upper  
 184 100  
 63 71.2 44.6 67.0#  
 154 63.9 49.7 74.5



#54  
 Dibenzofuran  
 Concen: 55.15 ng  
 RT: 9.725 min Scan# 712  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion:168 Resp: 964588  
 Ion Ratio Lower Upper  
 168 100  
 139 40.2 28.8 43.2  
 169 13.9 10.7 16.1

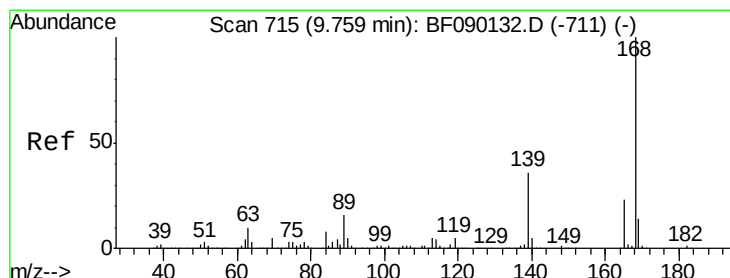
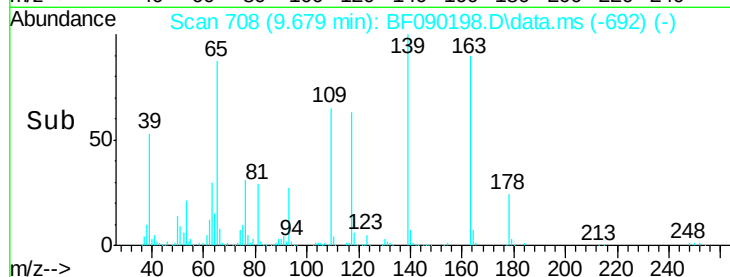
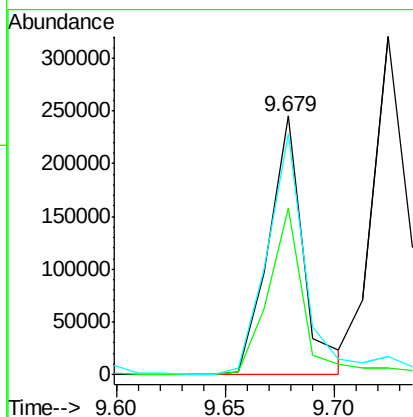
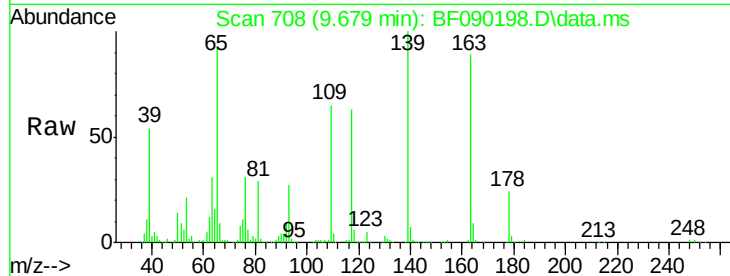




#55  
4-Nitrophenol  
Concen: 92.54 ng  
RT: 9.679 min Scan# 70  
Delta R.T. -0.022 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

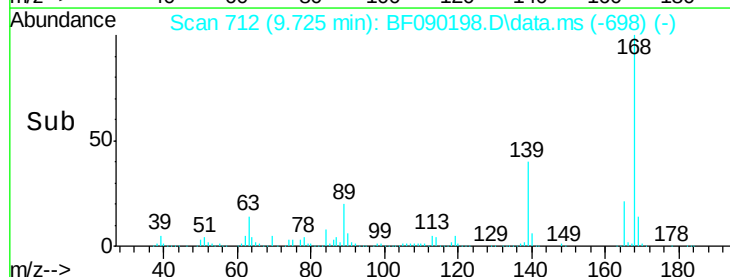
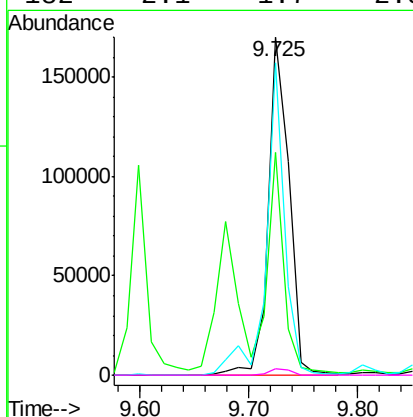
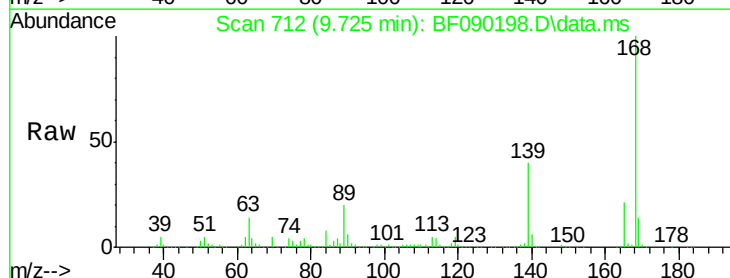
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 64.6  | 35.6  | 75.6  |
| 65      | 93.2  | 55.5  | 95.5  |

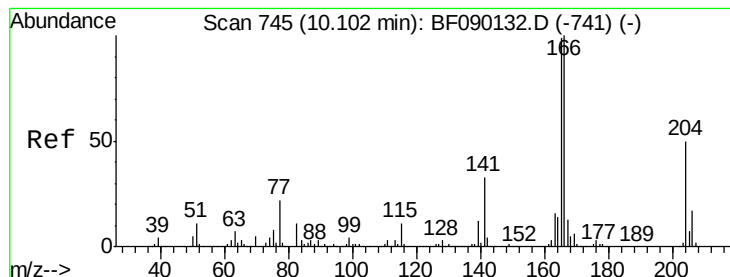


#56  
2,4-Dinitrotoluene  
Concen: 51.79 ng  
RT: 9.725 min Scan# 712  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 66.0  | 44.4  | 66.6  |
| 89      | 92.4  | 70.1  | 105.1 |
| 182     | 2.1   | 1.7   | 2.5   |







#57

Fluorene

Concen: 54.66 ng

RT: 10.068 min Scan# 74

Delta R.T. -0.033 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

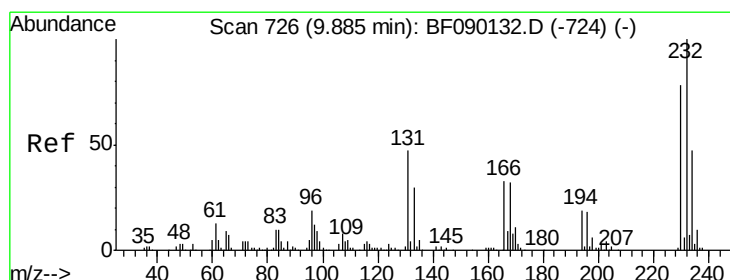
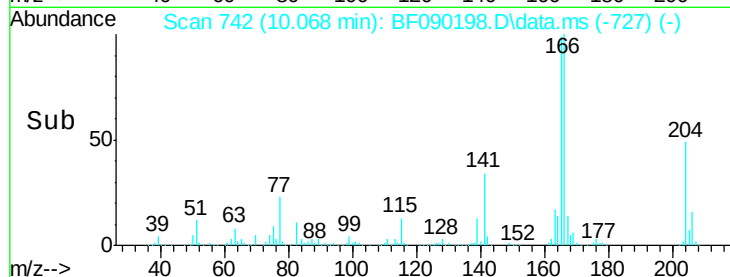
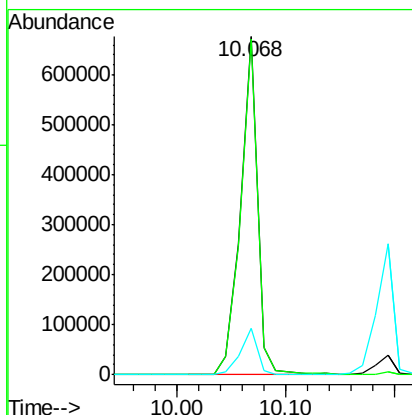
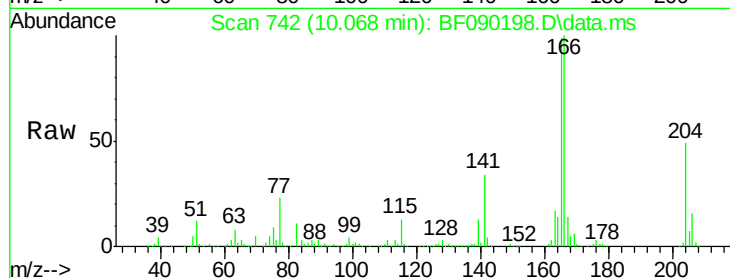
Tot Ion:166 Resp: 720474

Ion Ratio Lower Upper

166 100

165 99.3 78.5 117.7

167 13.9 11.2 16.8



#58

2,3,4,6-Tetrachlorophenol

Concen: 57.50 ng

RT: 9.850 min Scan# 723

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Tgt Ion:232 Resp: 190456

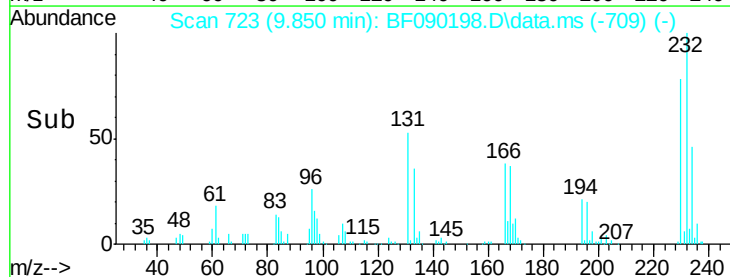
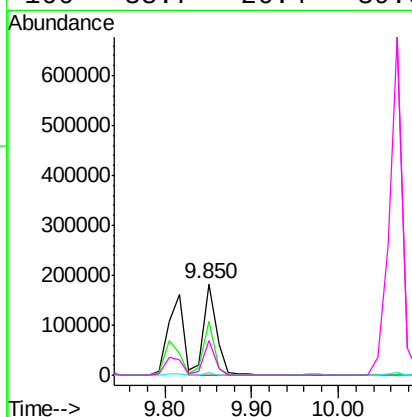
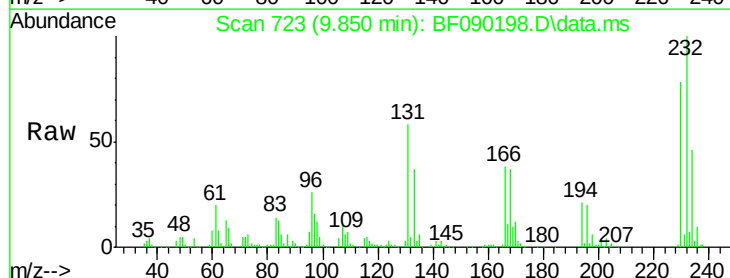
Ion Ratio Lower Upper

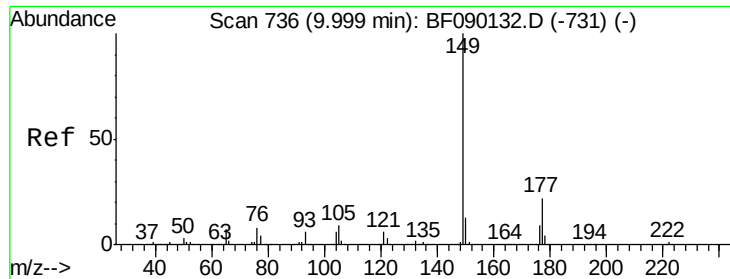
232 100

131 50.3 42.2 63.4

130 2.4 1.9 2.9

166 33.7 26.4 39.6

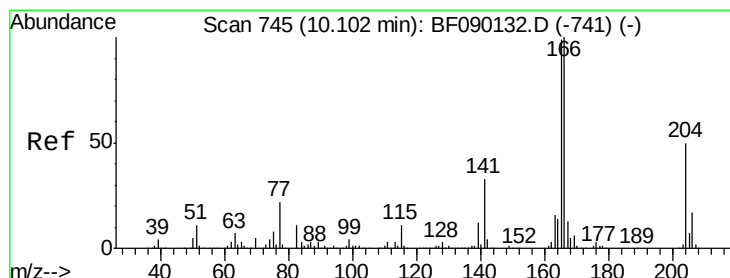
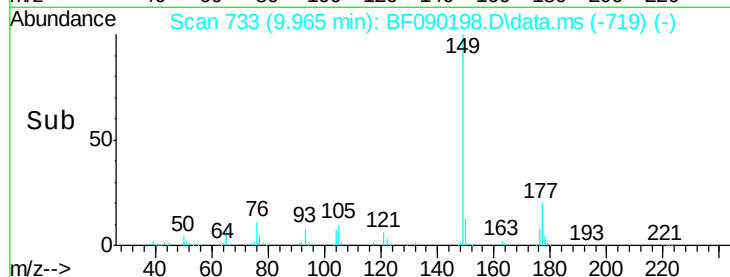
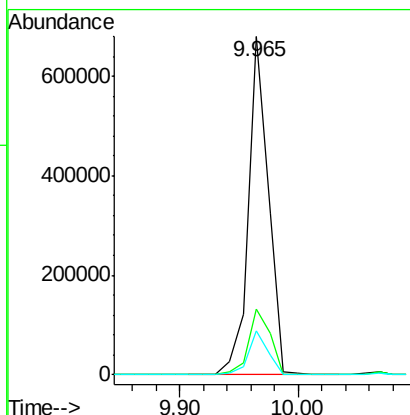
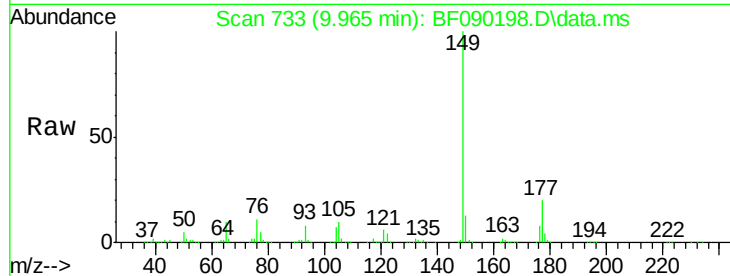




#59  
Diethylphthalate  
Concen: 49.54 ng  
RT: 9.965 min Scan# 731  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

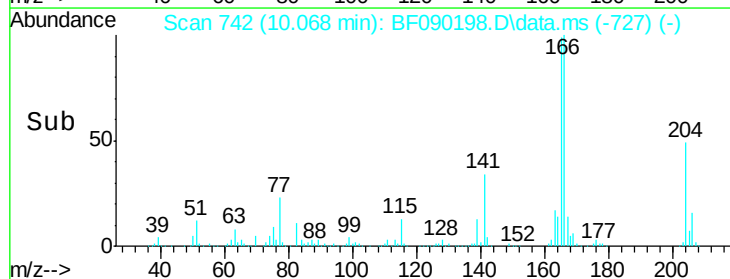
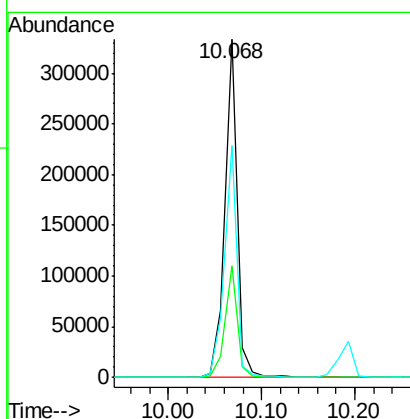
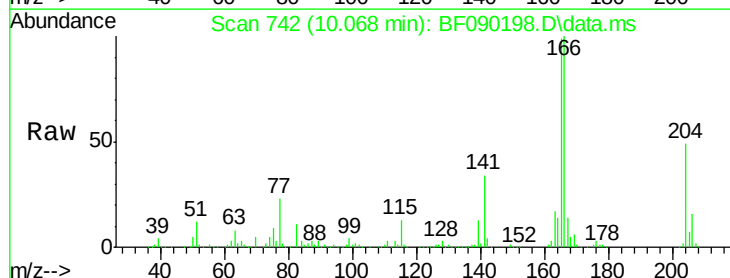
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

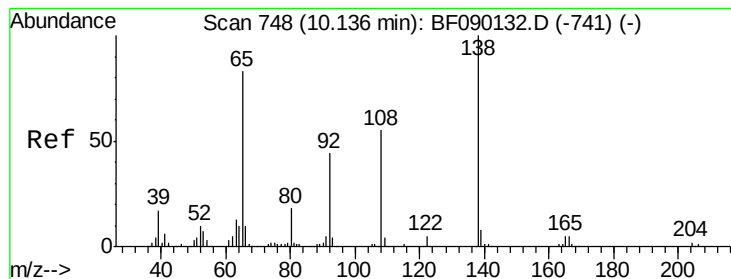
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:149 | Resp: | 796037    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 19.5  | 15.8 23.6 |
| 150         | 13.1  | 10.4 15.6 |



#60  
4-Chlorophenyl-phenylether  
Concen: 50.53 ng  
RT: 10.068 min Scan# 742  
Delta R.T. -0.033 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:204 | Resp: | 303698    |
| Ion Ratio   | Lower | Upper     |
| 204         | 100   |           |
| 206         | 32.8  | 25.6 38.4 |
| 141         | 68.5  | 64.4 96.6 |





#61

4-Nitroaniline

Concen: 42.83 ng

RT: 10.102 min Scan# 74

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

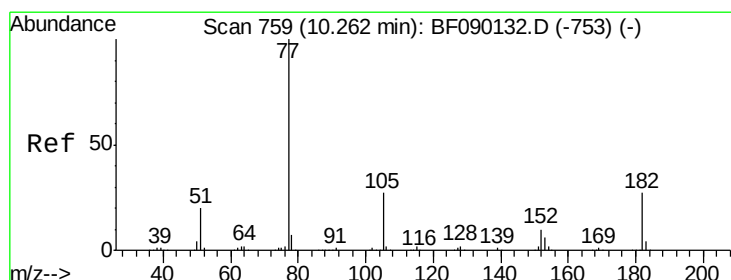
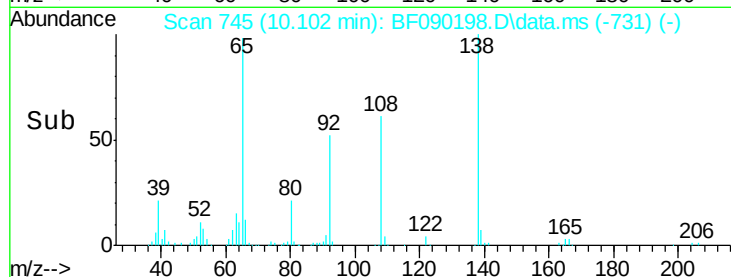
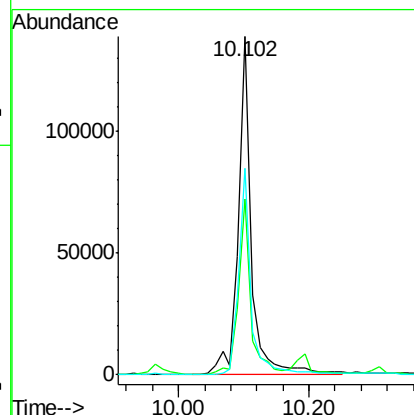
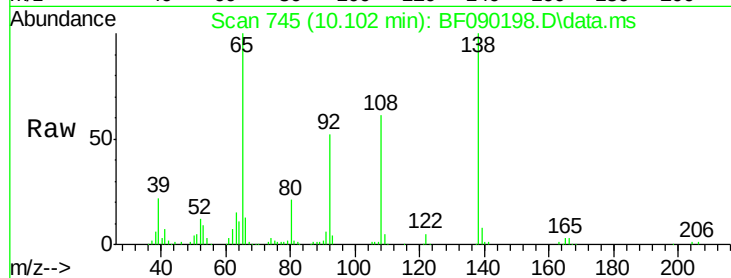
Tot Ion:138 Resp: 189765

Ion Ratio Lower Upper

138 100

92 51.8 23.8 63.8

108 61.0 35.0 75.0



#62

Azobenzene

Concen: 59.39 ng

RT: 10.228 min Scan# 756

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Tgt Ion: 77 Resp: 993342

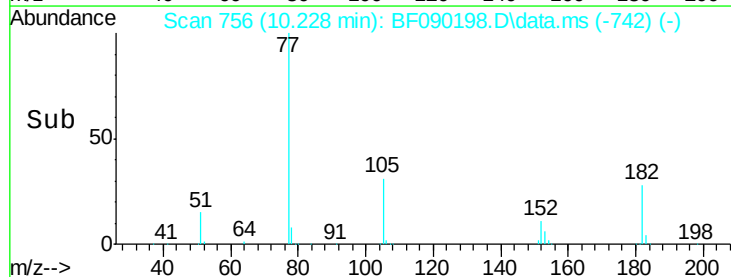
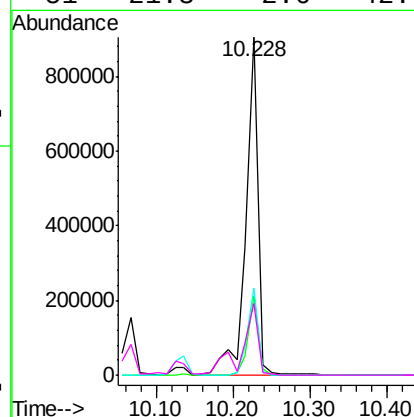
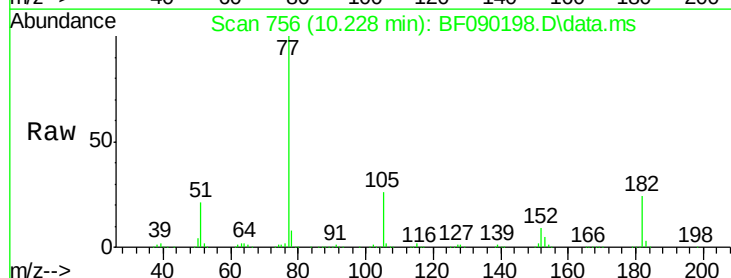
Ion Ratio Lower Upper

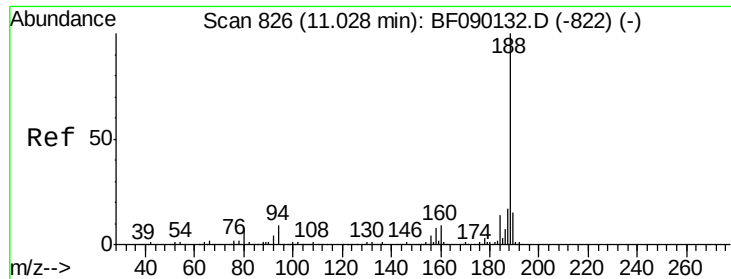
77 100

182 23.5 0.0 38.4

105 25.6 3.8 43.8

51 21.3 2.6 42.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.993 min Scan# 82

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

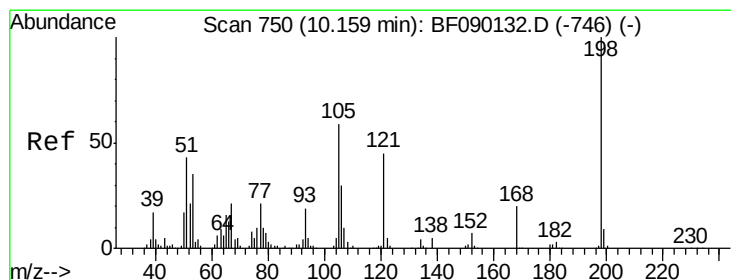
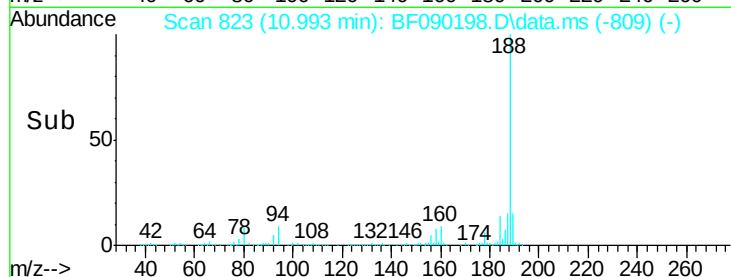
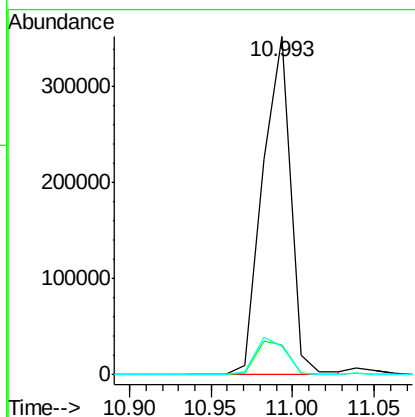
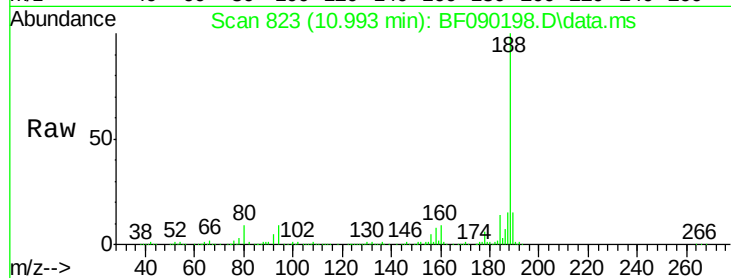
Tot Ion:188 Resp: 420513

Ion Ratio Lower Upper

188 100

94 8.7 10.5 15.7#

80 8.5 11.2 16.8#



#64

4,6-Dinitro-2-methylphenol

Concen: 54.01 ng

RT: 10.136 min Scan# 748

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

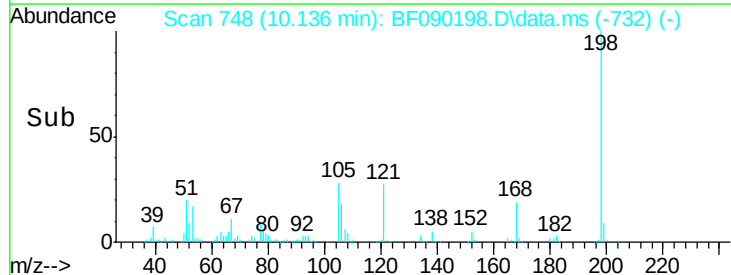
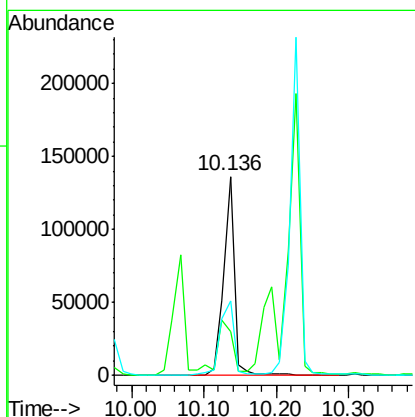
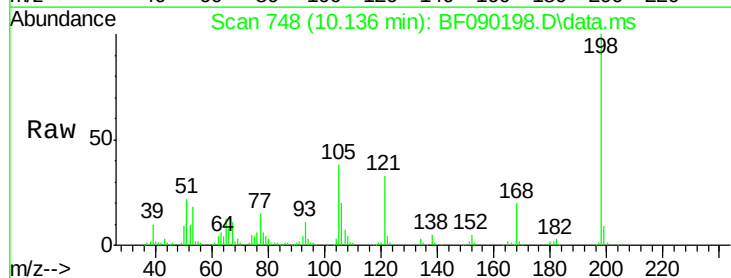
Tgt Ion:198 Resp: 142245

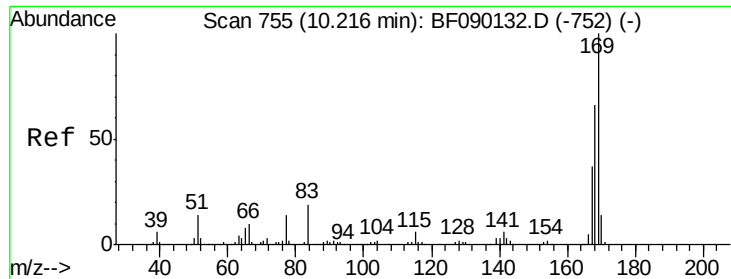
Ion Ratio Lower Upper

198 100

51 22.0 5.5 45.5

105 37.5 21.8 61.8

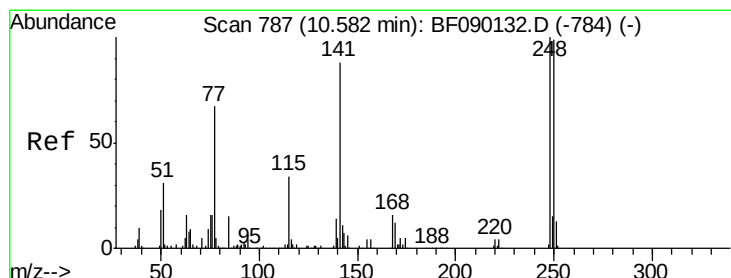
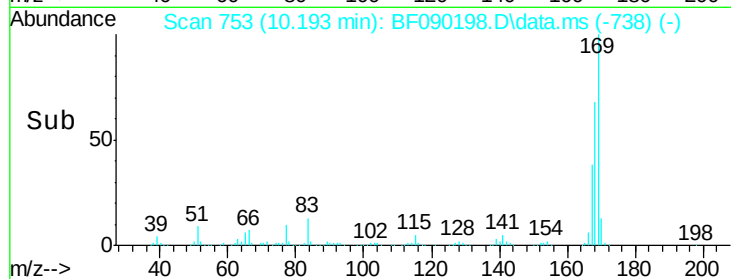
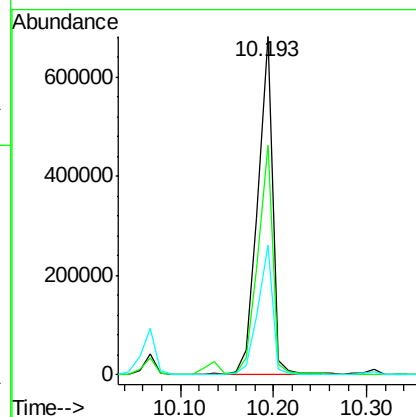
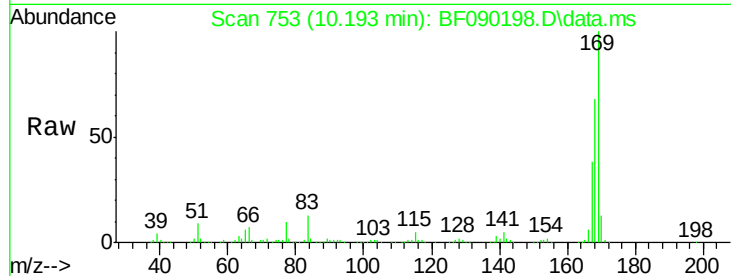




#65  
 n-Nitrosodiphenylamine  
 Concen: 54.57 ng  
 RT: 10.193 min Scan# 75  
 Delta R.T. -0.023 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

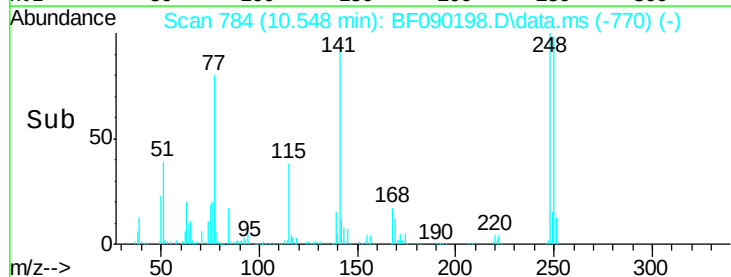
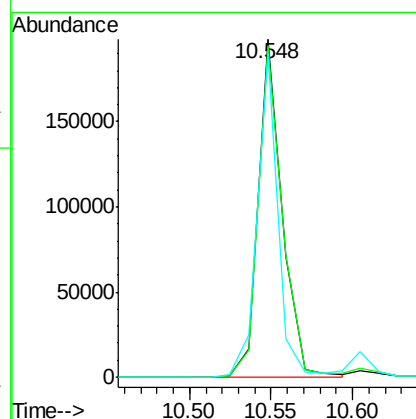
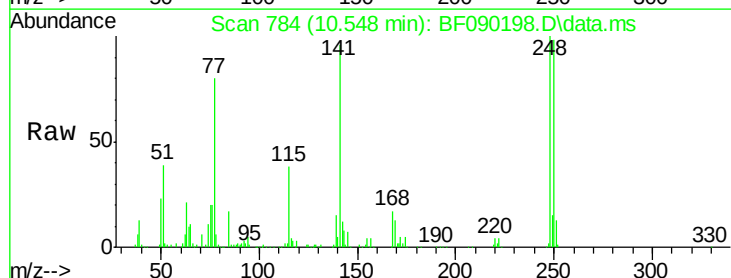
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

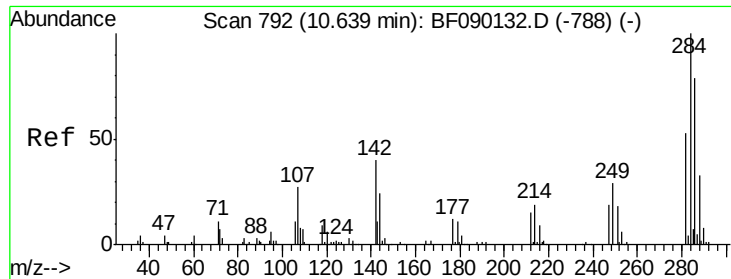
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.9  | 54.2  | 81.4  |
| 167     | 38.3  | 30.3  | 45.5  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 48.98 ng  
 RT: 10.548 min Scan# 784  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.0  | 79.4  | 119.2 |
| 141     | 95.9  | 49.3  | 73.9# |





#67

Hexachlorobenzene

Concen: 50.75 ng

RT: 10.605 min Scan# 78

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

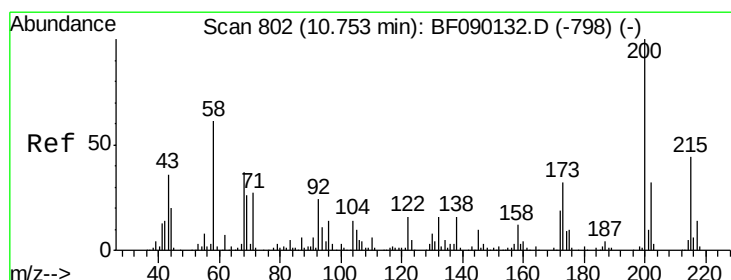
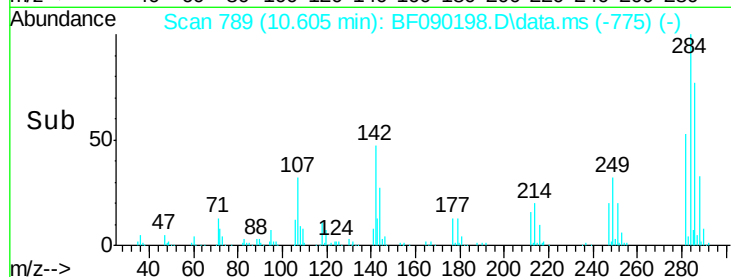
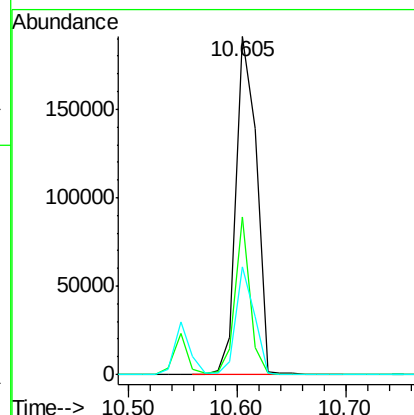
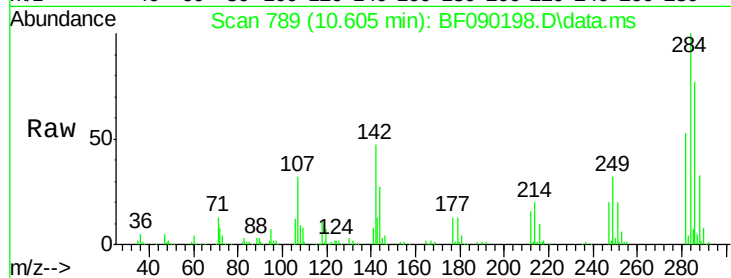
Tot Ion:284 Resp: 244776

Ion Ratio Lower Upper

284 100

142 46.6 24.0 36.0#

249 31.7 23.8 35.6



#68

Atrazine

Concen: 61.10 ng

RT: 10.731 min Scan# 800

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

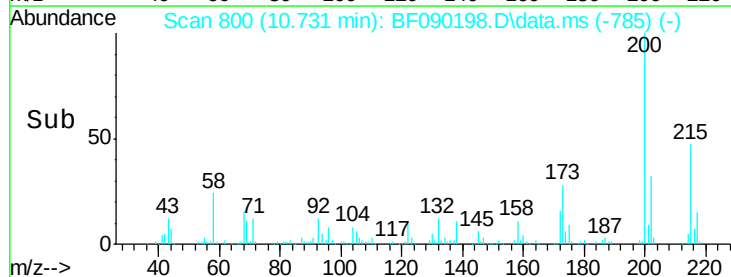
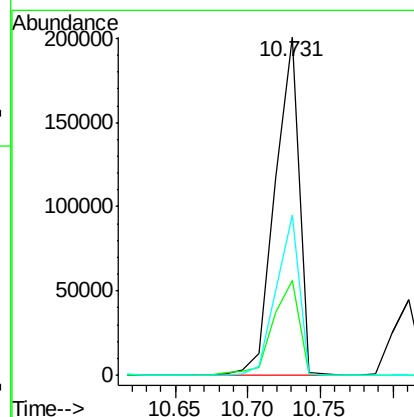
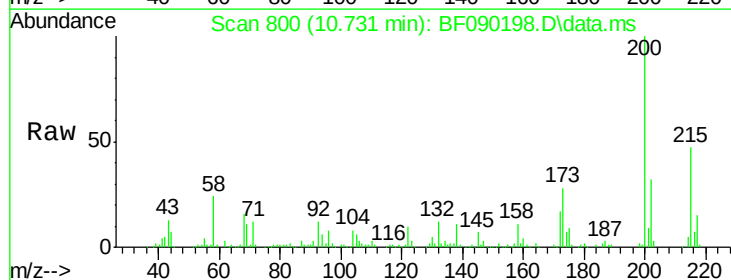
Tgt Ion:200 Resp: 231536

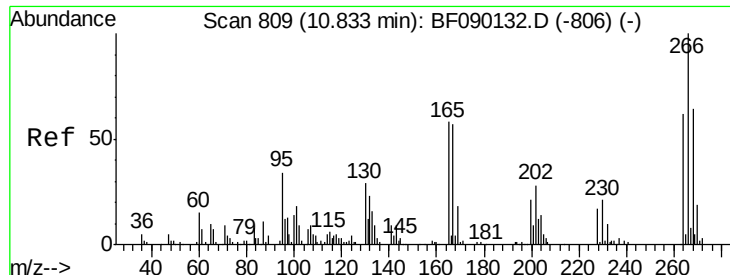
Ion Ratio Lower Upper

200 100

173 28.1 9.3 49.3

215 47.3 26.1 66.1





#69

Pentachlorophenol

Concen: 102.57 ng

RT: 10.811 min Scan# 80

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

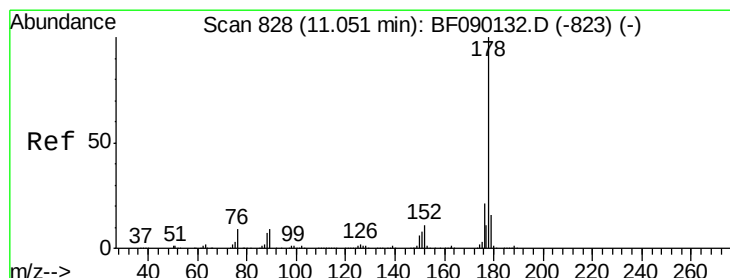
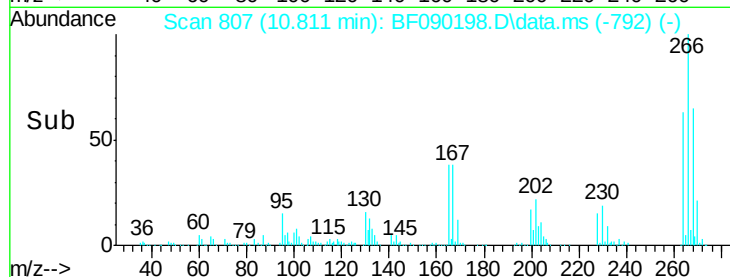
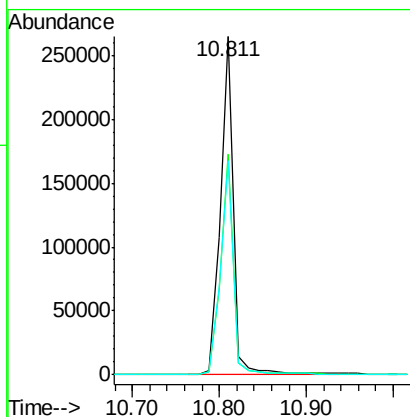
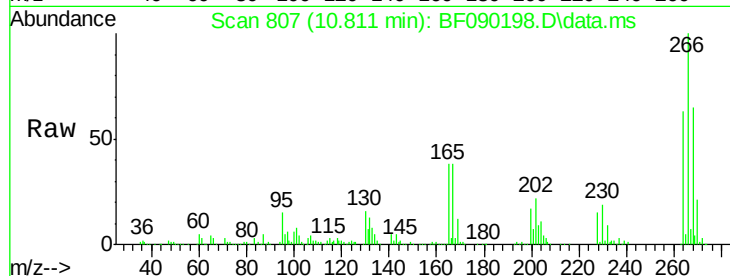
Tot Ion:266 Resp: 280778

Ion Ratio Lower Upper

266 100

268 65.2 52.1 78.1

264 63.3 50.3 75.5



#70

Phenanthrene

Concen: 57.22 ng

RT: 11.016 min Scan# 825

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

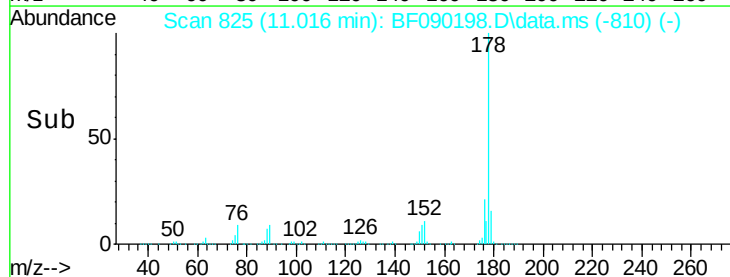
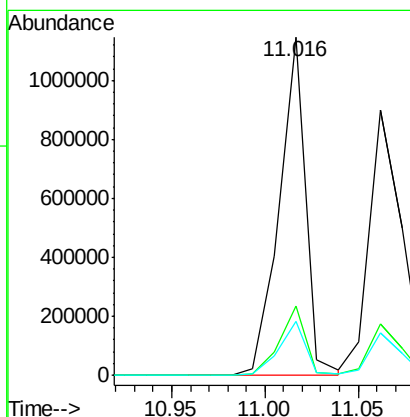
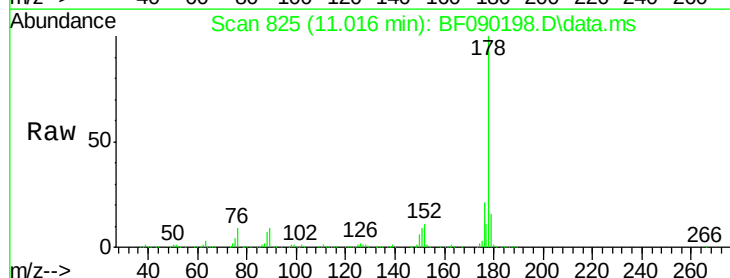
Tgt Ion:178 Resp: 1125230

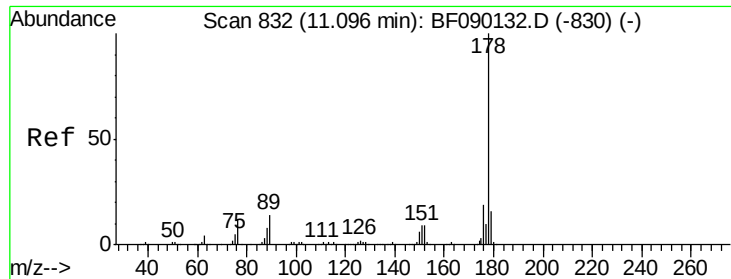
Ion Ratio Lower Upper

178 100

176 20.6 15.9 23.9

179 15.8 12.9 19.3

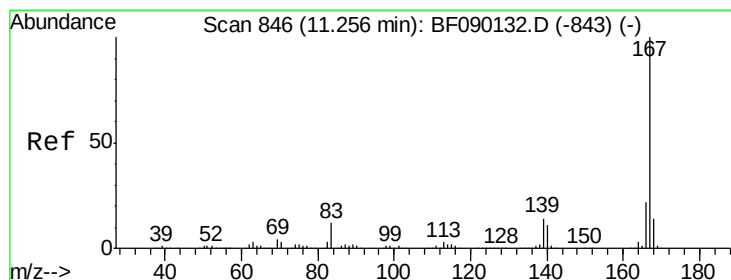
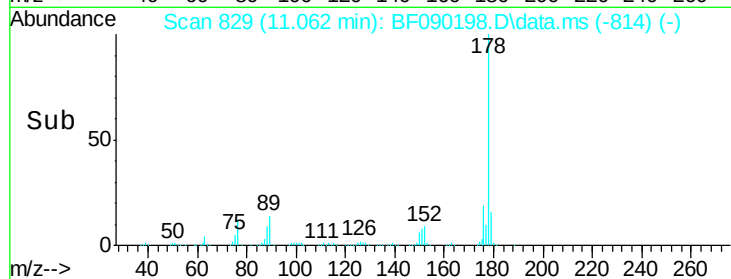
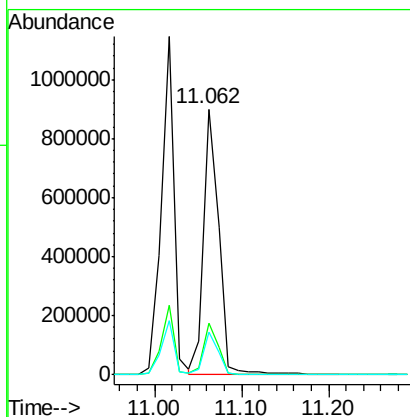
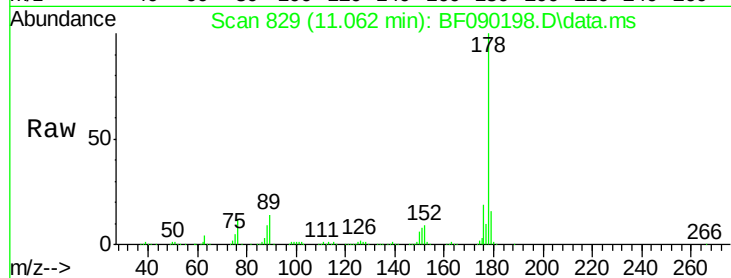




#71  
 Anthracene  
 Concen: 52.43 ng  
 RT: 11.062 min Scan# 82  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

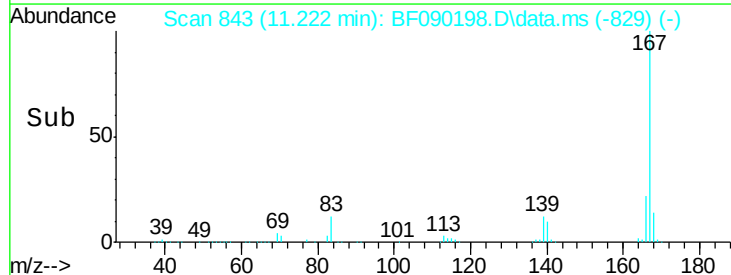
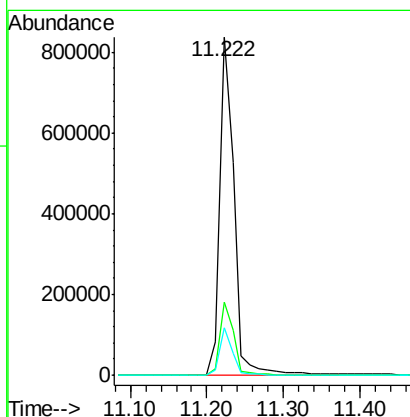
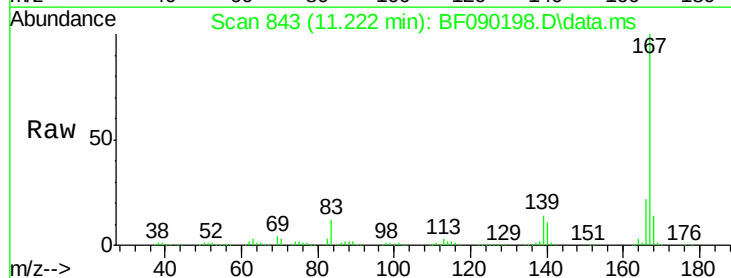
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

Tot Ion:178 Resp: 1081376  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.8 23.6  
 179 16.1 12.6 19.0

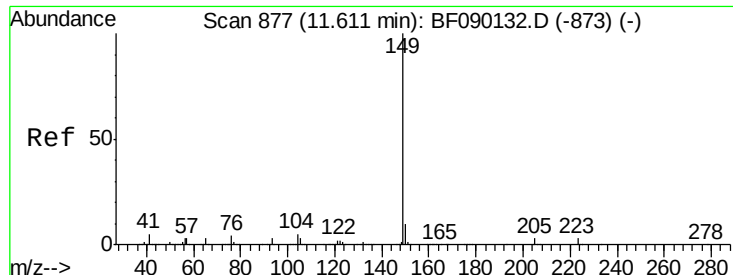


#72  
 Carbazole  
 Concen: 50.17 ng  
 RT: 11.222 min Scan# 843  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion:167 Resp: 1094029  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 18.0 27.0  
 139 13.9 10.4 15.6







#73

Di-n-butylphthalate

Concen: 51.23 ng

RT: 11.576 min Scan# 87

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

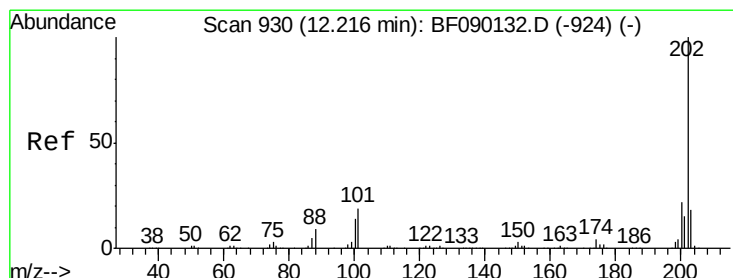
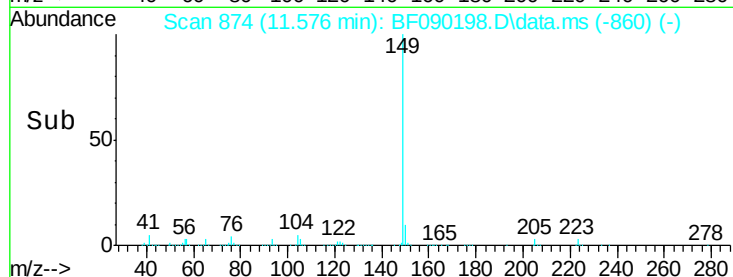
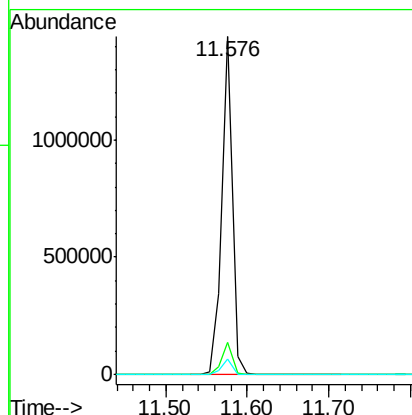
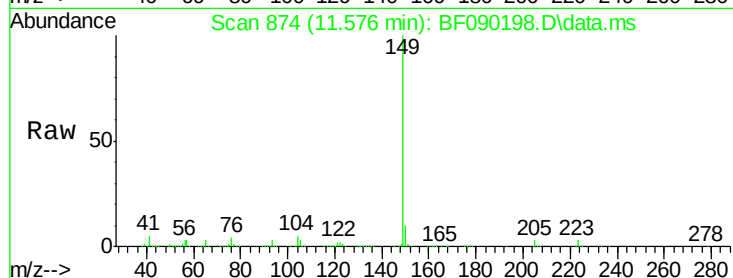
Tot Ion:149 Resp: 1299077

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.8

104 4.5 3.9 5.9



#74

Fluoranthene

Concen: 56.79 ng

RT: 12.194 min Scan# 928

Delta R.T. -0.023 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

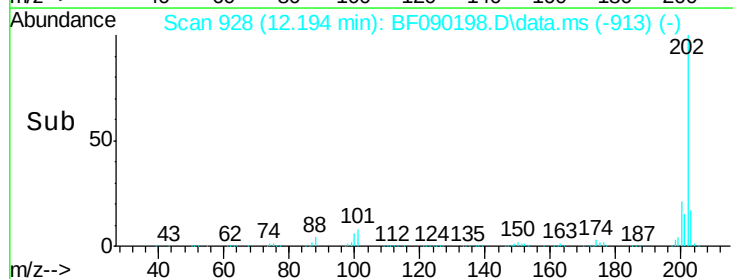
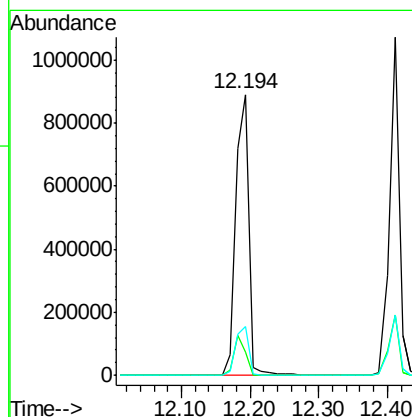
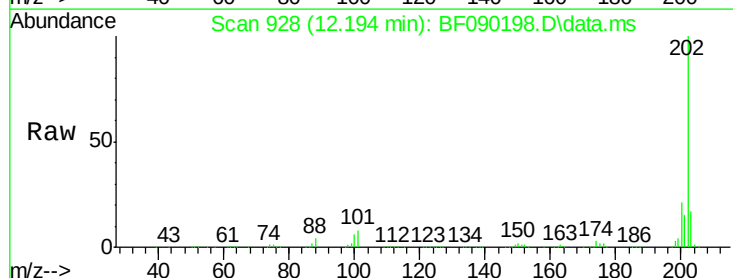
Tgt Ion:202 Resp: 1198861

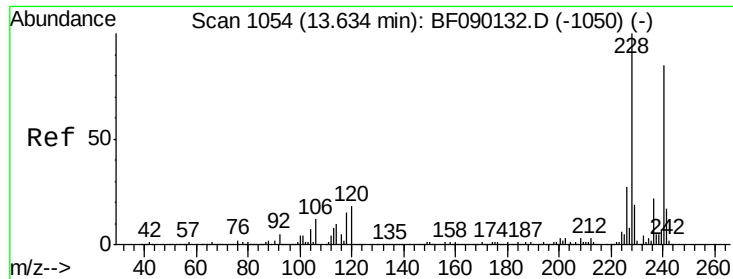
Ion Ratio Lower Upper

202 100

101 8.2 0.0 36.1

203 17.2 0.0 38.2

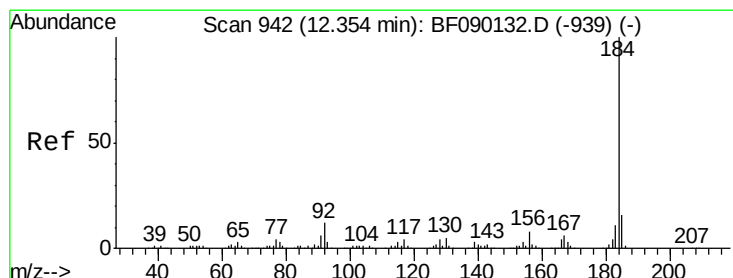
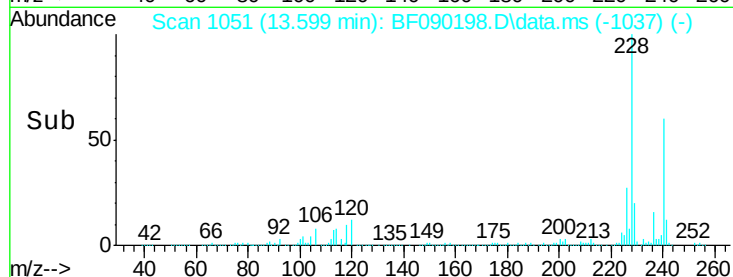
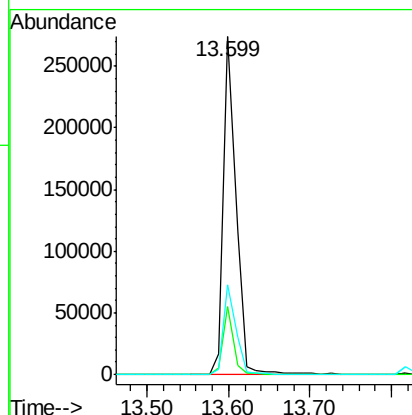
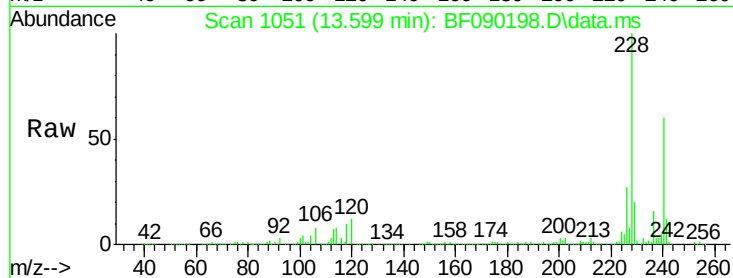




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.599 min Scan# 10  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

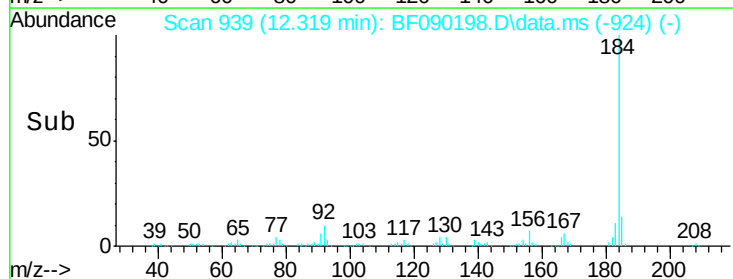
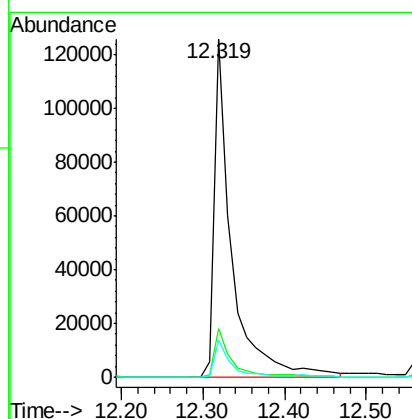
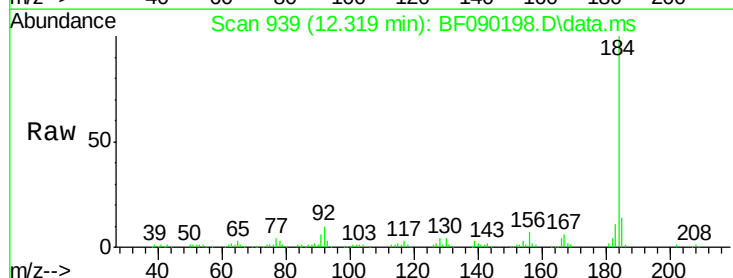
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

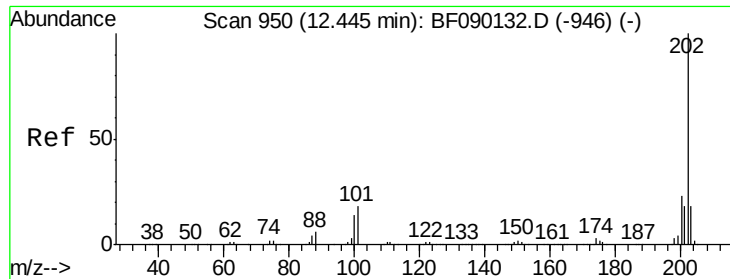
Tot Ion:240 Resp: 294077  
 Ion Ratio Lower Upper  
 240 100  
 120 20.0 10.6 16.0#  
 236 26.4 21.6 32.4



#76  
 Benzidine  
 Concen: 19.16 ng  
 RT: 12.319 min Scan# 939  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

Tgt Ion:184 Resp: 188593  
 Ion Ratio Lower Upper  
 184 100  
 185 14.5 13.2 19.8  
 183 11.0 9.2 13.8

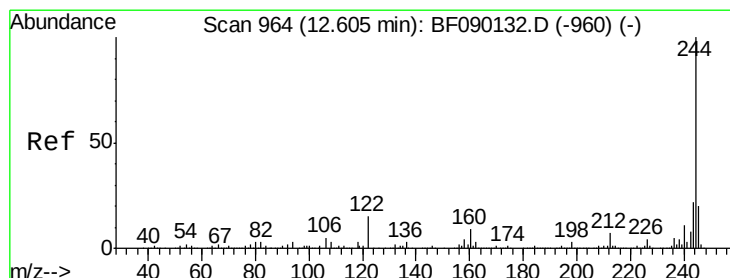
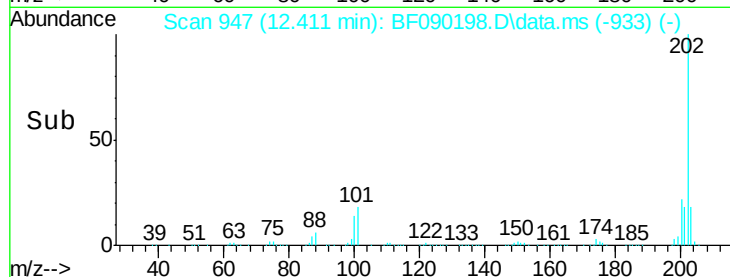
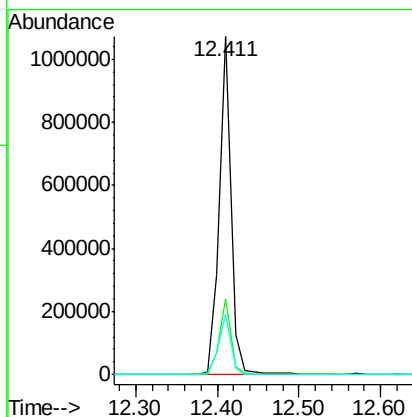
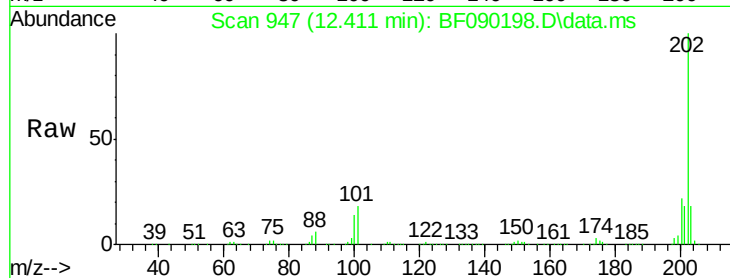




#77  
Pvrene  
Concen: 53.08 ng  
RT: 12.411 min Scan# 94  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

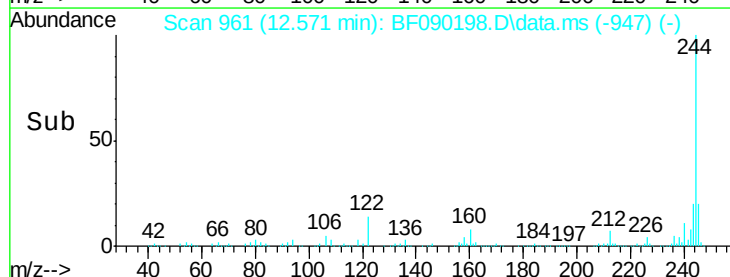
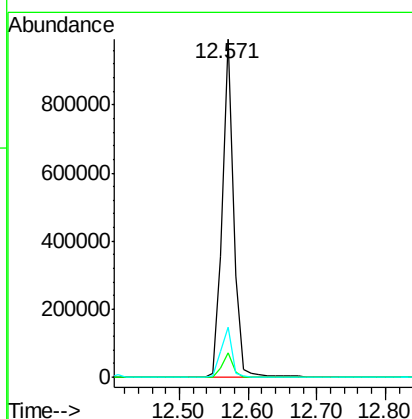
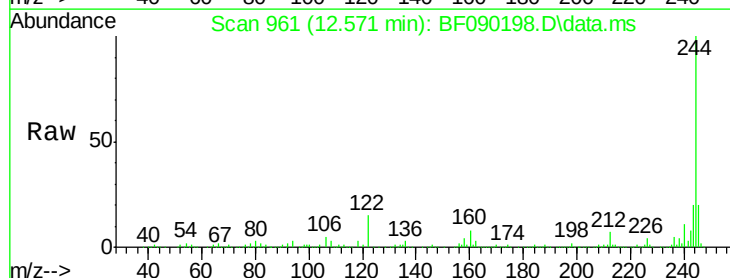
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

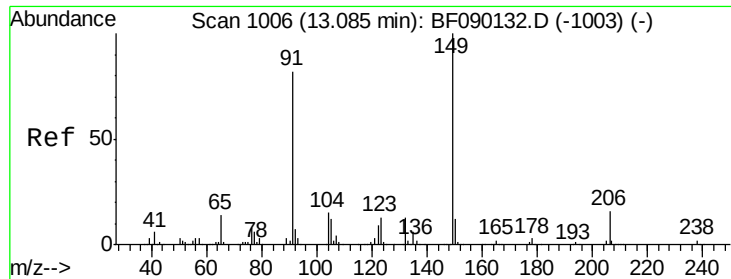
Tot Ion:202 Resp: 1068106  
Ion Ratio Lower Upper  
202 100  
200 22.2 17.9 26.9  
203 18.0 14.2 21.4



#78  
Terphenyl-d14  
Concen: 102.36 ng  
RT: 12.571 min Scan# 961  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

Tgt Ion:244 Resp: 1185615  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.8  
122 14.9 9.4 14.0#

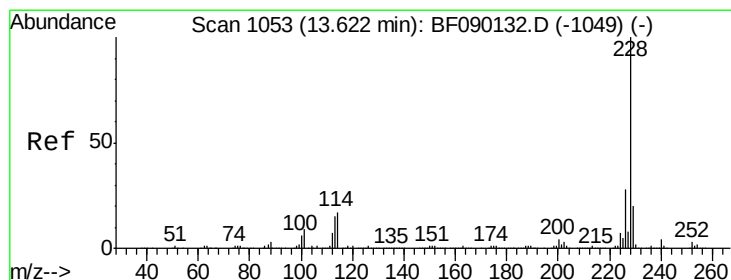
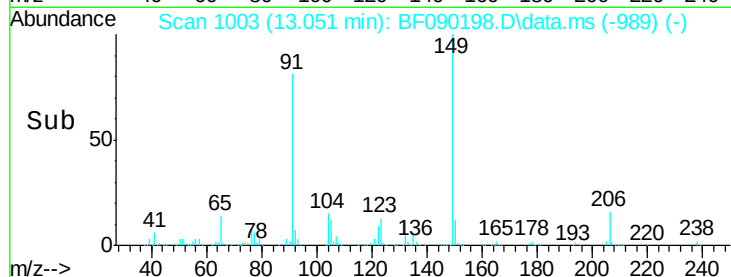
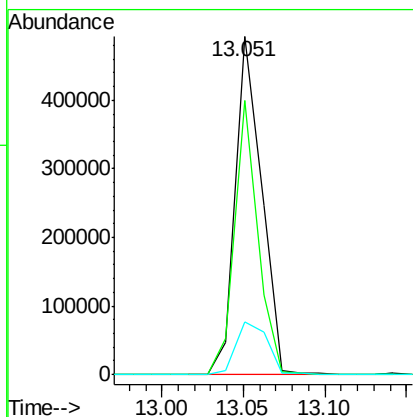
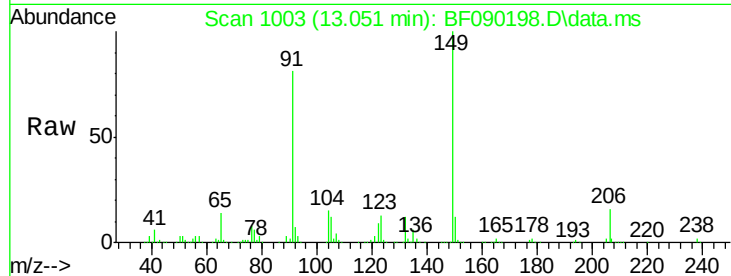




#79  
Butylbenzylphthalate  
Concen: 55.51 ng  
RT: 13.051 min Scan# 10  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

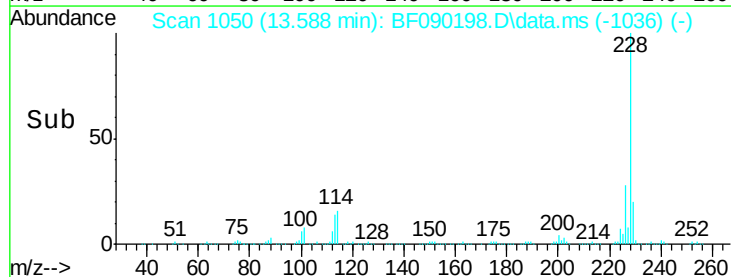
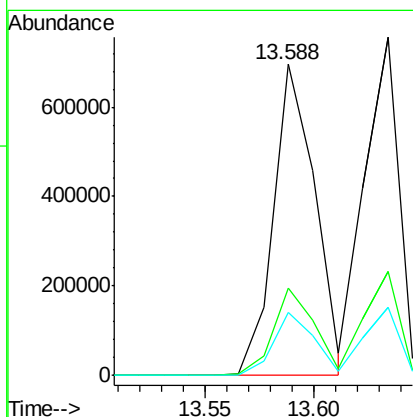
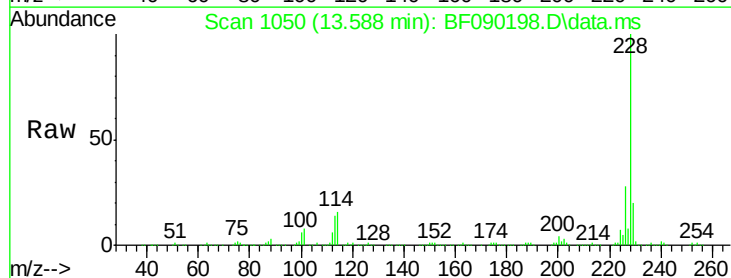
Instrument :  
BNA\_F  
ClientSampleId :  
PB93576BS

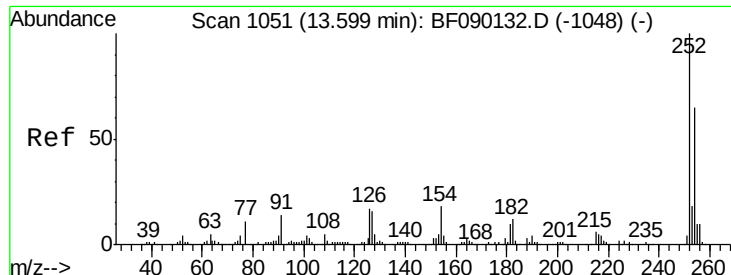
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 81.0  | 49.8  | 74.6# |
| 206     | 15.6  | 16.3  | 24.5# |



#80  
Benzo(a)anthracene  
Concen: 58.93 ng  
RT: 13.588 min Scan# 1050  
Delta R.T. -0.034 min  
Lab File: BF090198.D  
Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 22.0  | 33.0  |
| 229     | 20.2  | 16.2  | 24.2  |

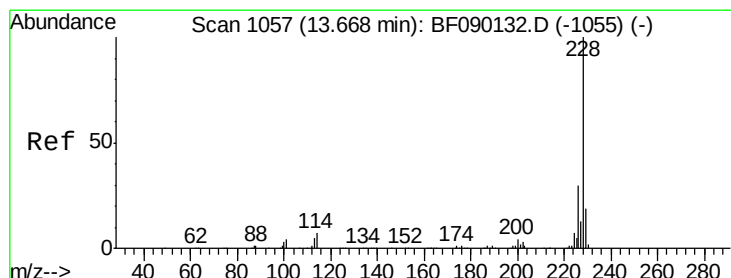
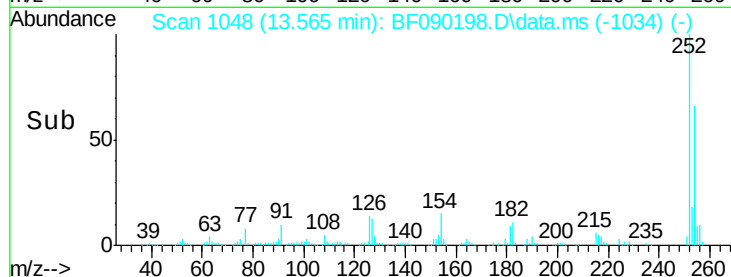
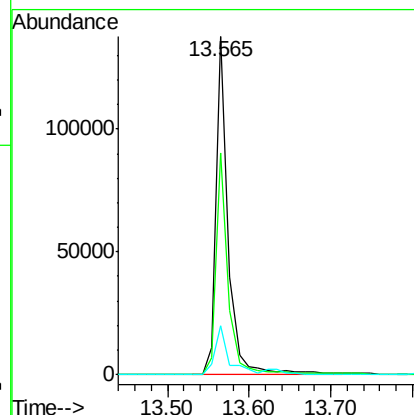
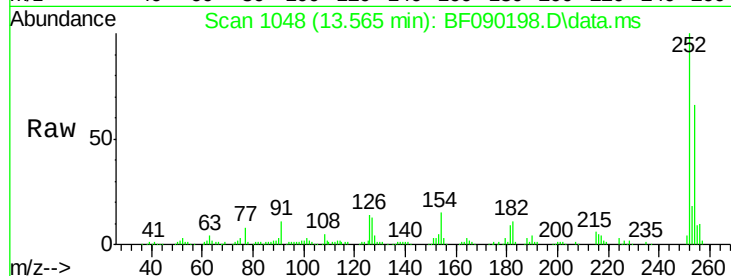




#81  
 3,3'-Dichlorobenzidine  
 Concen: 22.23 ng  
 RT: 13.565 min Scan# 1048  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

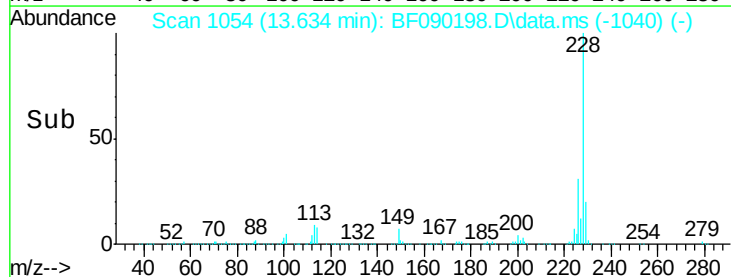
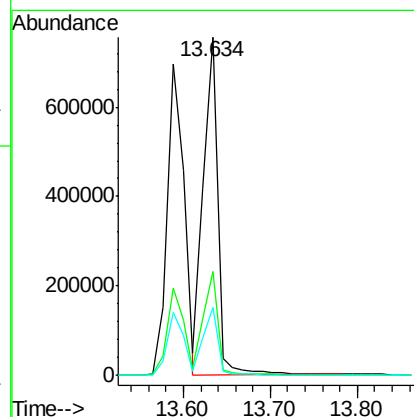
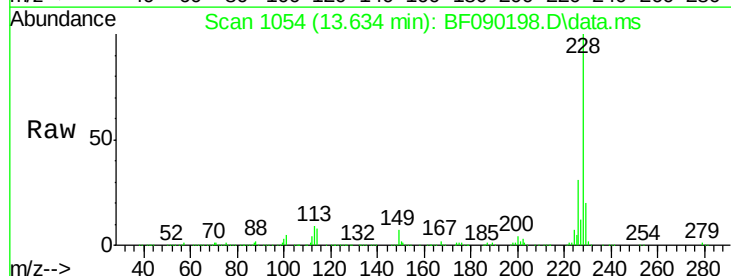
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

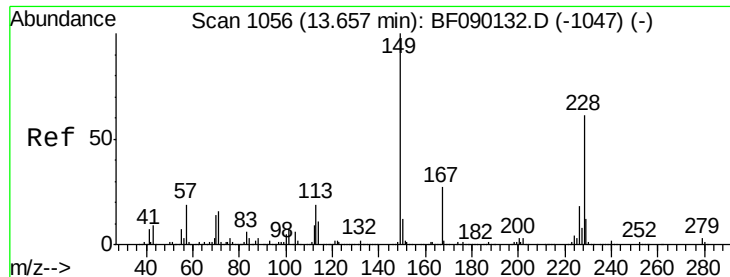
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.6  | 50.7  | 76.1  |
| 126     | 14.5  | 9.2   | 13.8  |



#82  
 Chrysene  
 Concen: 56.36 ng  
 RT: 13.634 min Scan# 1054  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.6  | 37.0  |
| 229     | 20.1  | 16.2  | 24.4  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 56.01 ng

RT: 13.622 min Scan# 1053

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

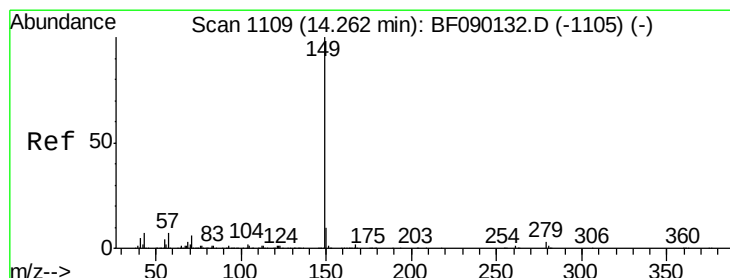
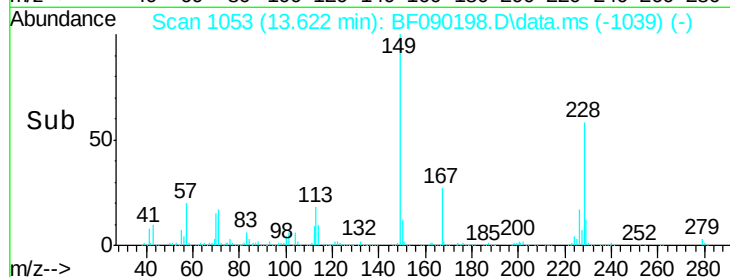
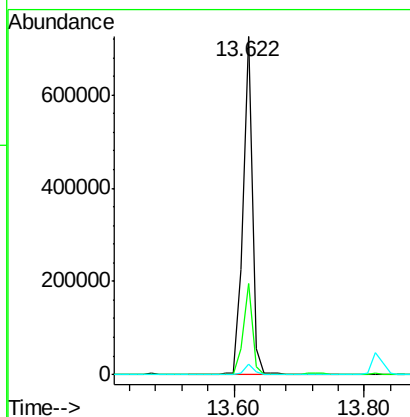
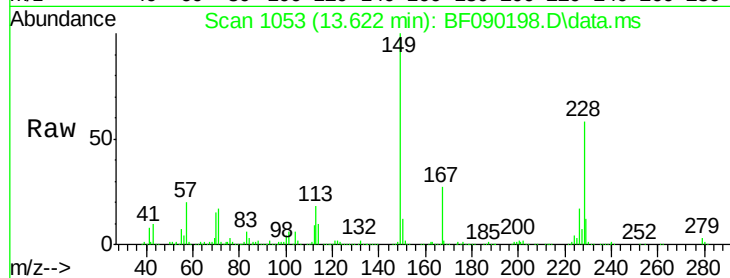
Tot Ion:149 Resp: 705517

Ion Ratio Lower Upper

149 100

167 26.8 21.2 31.8

279 3.2 2.2 3.2



#84

Di-n-octyl phthalate

Concen: 58.36 ng

RT: 14.228 min Scan# 1106

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

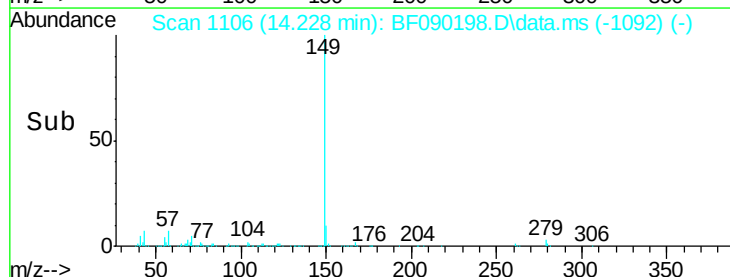
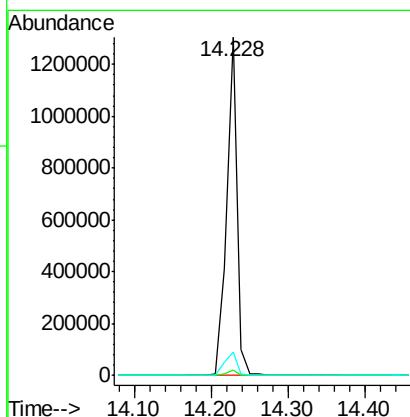
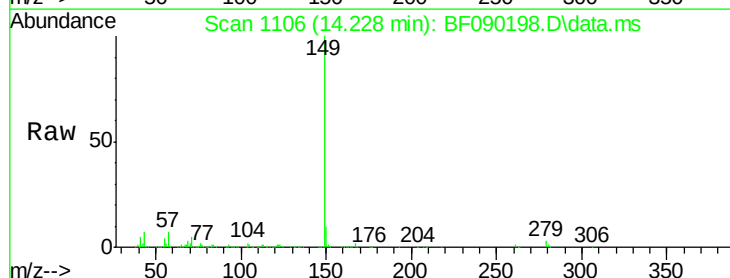
Tgt Ion:149 Resp: 1266356

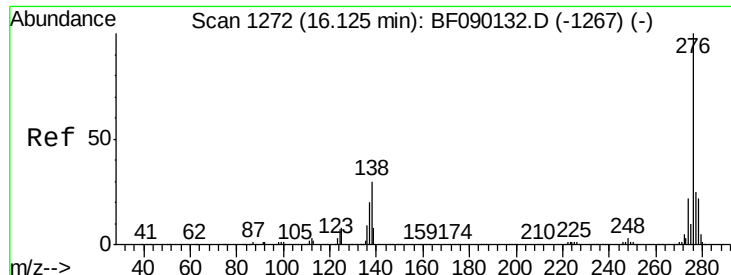
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.9 6.8 10.2

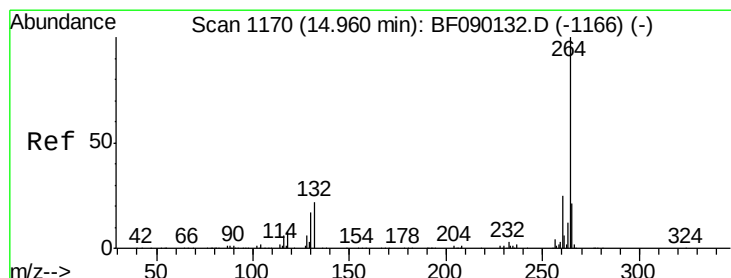
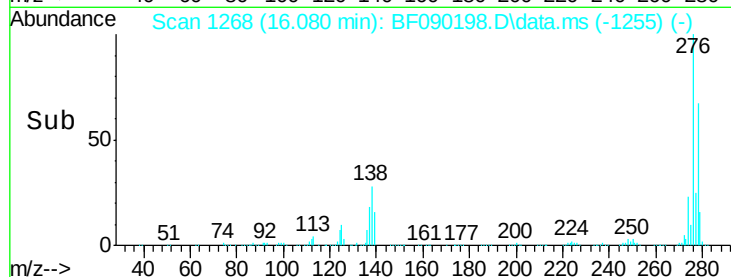
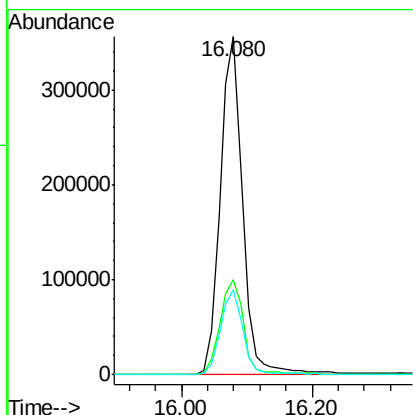
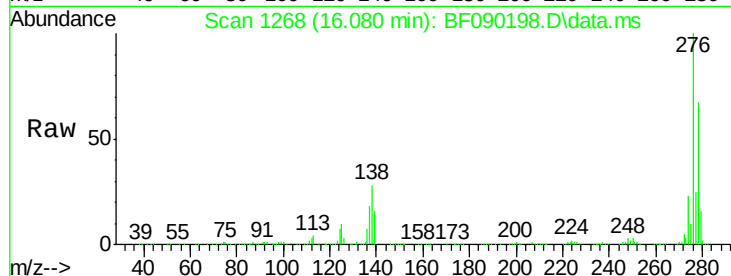




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 68.21 ng  
 RT: 16.080 min Scan# 1272  
 Delta R.T. -0.046 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

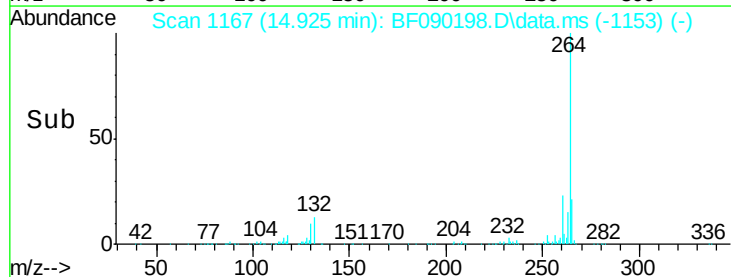
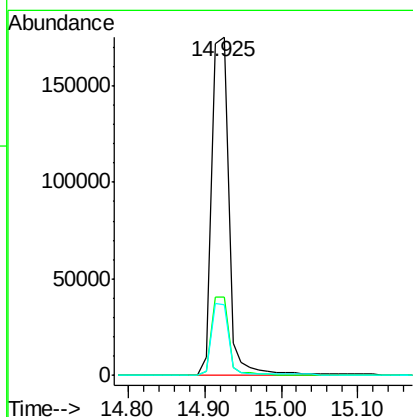
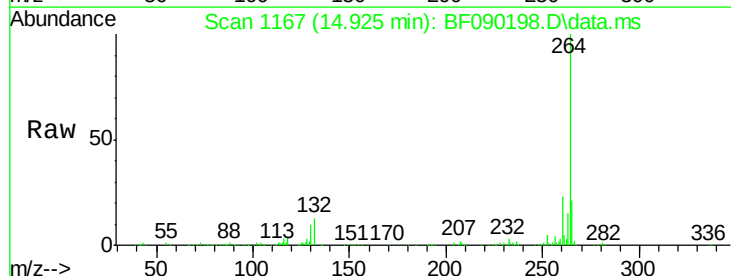
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93576BS

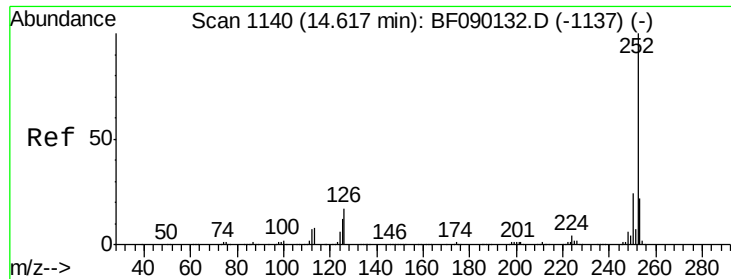
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.7  | 25.9  | 38.9  |
| 277     | 25.3  | 19.9  | 29.9  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.925 min Scan# 1167  
 Delta R.T. -0.034 min  
 Lab File: BF090198.D  
 Acq: 23 Sep 2016 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.5  | 29.3  |
| 265     | 20.8  | 17.0  | 25.4  |





#87

Benzo(b)fluoranthene

Concen: 102.19 ng

RT: 14.605 min Scan# 1139

Delta R.T. -0.011 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

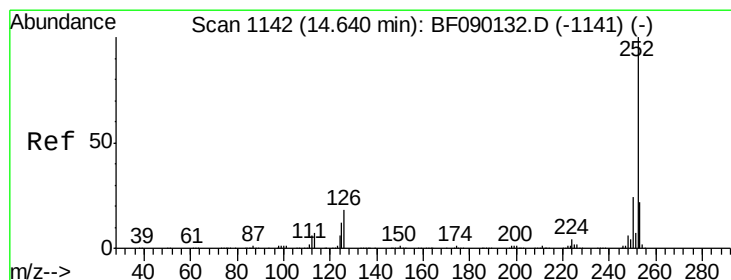
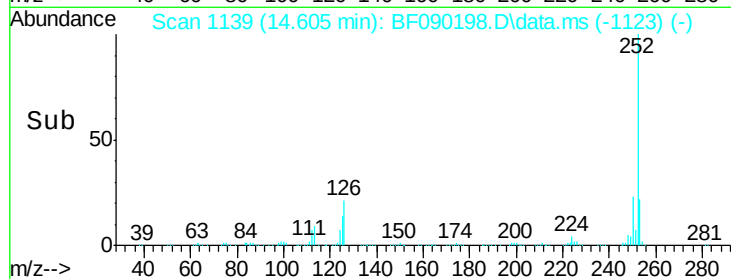
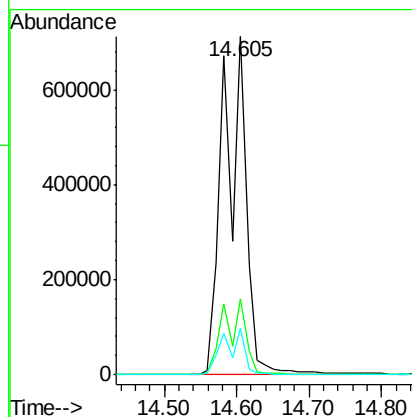
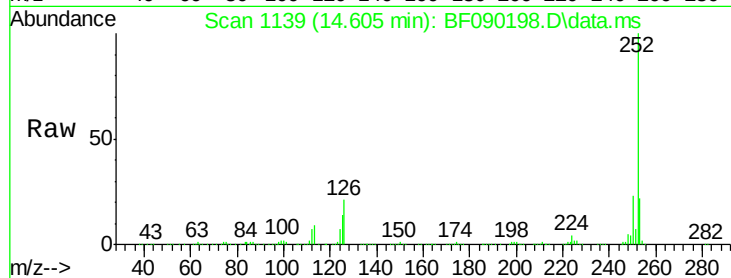
Tot Ion:252 Resp: 1539396

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 13.8 12.7 19.1



#88

Benzo(k)fluoranthene

Concen: 109.02 ng

RT: 14.605 min Scan# 1139

Delta R.T. -0.034 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

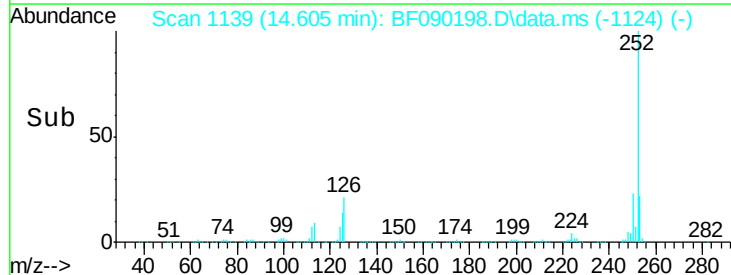
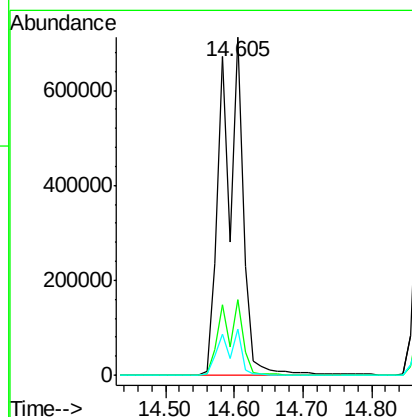
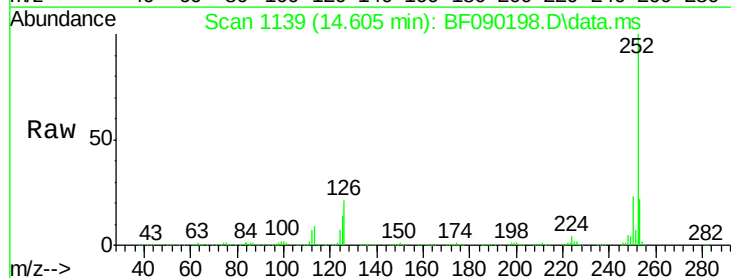
Tgt Ion:252 Resp: 1541371

Ion Ratio Lower Upper

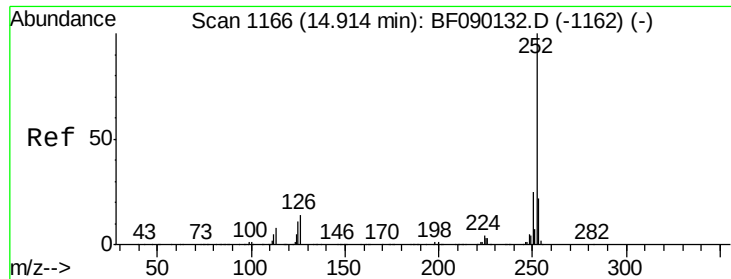
252 100

253 22.4 17.8 26.8

125 13.8 7.8 11.6#







#89

Benzo(a)pyrene

Concen: 54.16 ng

RT: 14.868 min Scan# 11

Delta R.T. -0.046 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

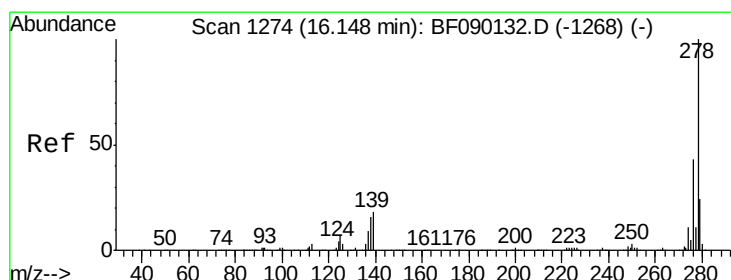
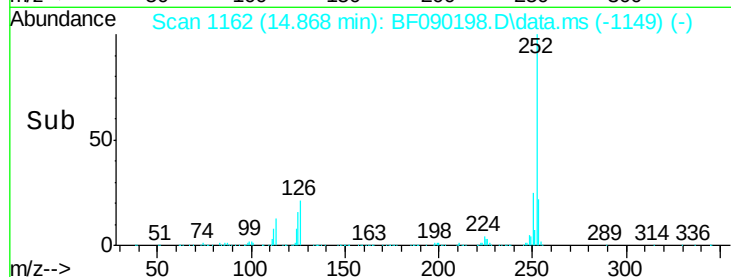
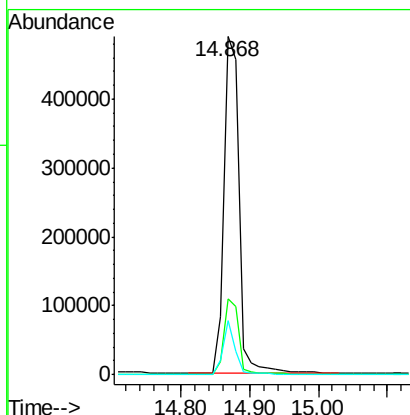
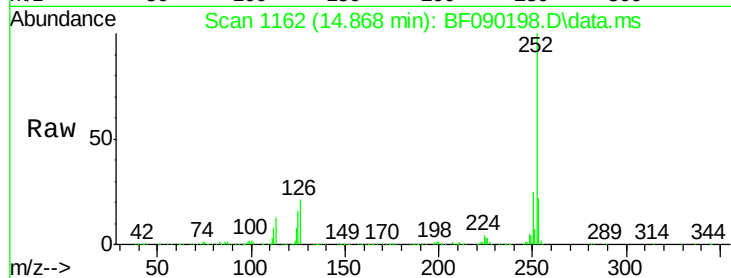
Tot Ion:252 Resp: 767536

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 16.0 7.7 11.5#



#90

Dibenzo(a,h)anthracene

Concen: 62.92 ng

RT: 16.091 min Scan# 1269

Delta R.T. -0.057 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

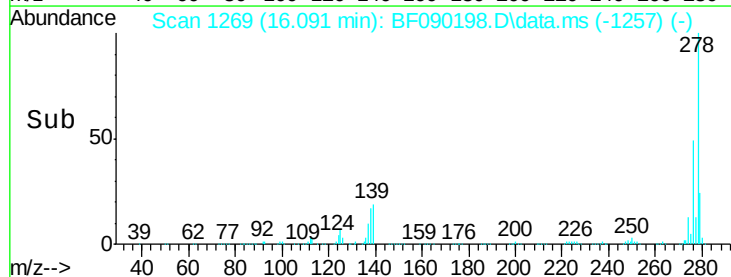
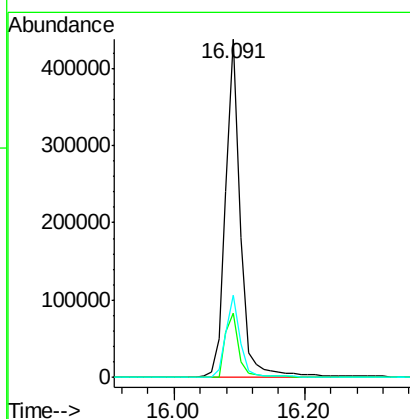
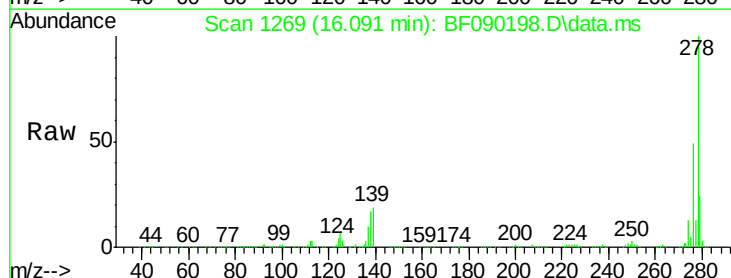
Tgt Ion:278 Resp: 695741

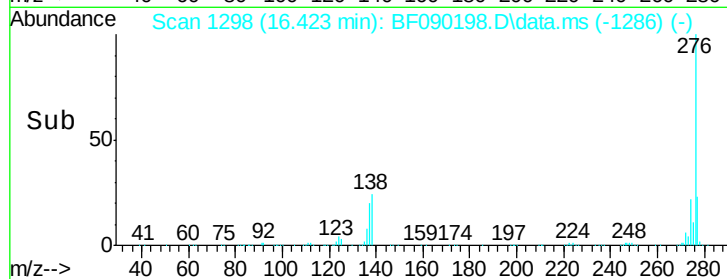
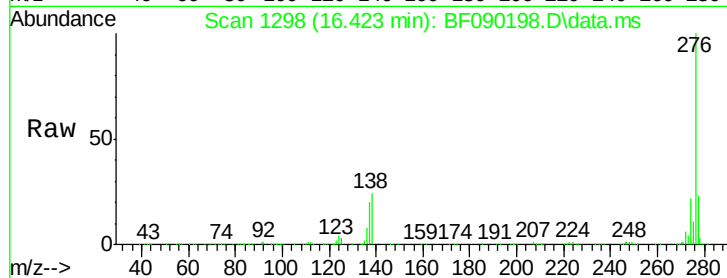
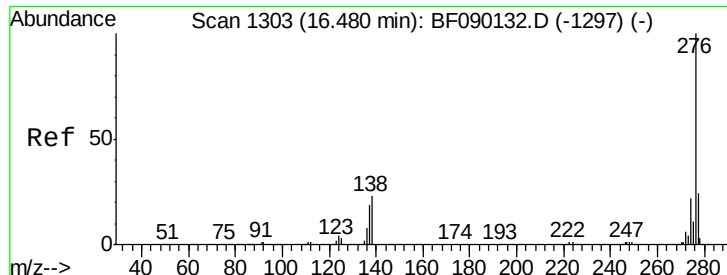
Ion Ratio Lower Upper

278 100

139 19.0 14.6 21.8

279 24.3 18.8 28.2





#91

Benzo(a,h,i)perylene

Concen: 67.77 ng

RT: 16.423 min Scan# 12

Delta R.T. -0.057 min

Lab File: BF090198.D

Acq: 23 Sep 2016 15:28

Instrument :

BNA\_F

ClientSampleId :

PB93576BS

Tot Ion:276 Resp: 733467

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 23.8 23.3 34.9

