

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040816\  
 Data File : BF086193.D  
 Acq On : 9 Apr 2016 2:58  
 Operator : UM/SJ  
 Sample : H2099-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

Quant Time: Apr 09 05:29:42 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 94772    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 8.04  | 136  | 126274   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.81  | 164  | 102931   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.30 | 188  | 152666   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.92 | 240  | 200307   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.30 | 264  | 215854   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 642056   | 115.80 | ng    | -0.05    |
| 7) Phenol-d6                | 6.38  | 99   | 695792   | 98.80  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 405264   | 189.27 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 109853   | 113.71 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 445000   | 71.88  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.85 | 244  | 498731   | 58.53  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde                | 6.26  | 77   | 322994   | 85.23  | ng    | # 1    |
| 10) Phenol                     | 6.40  | 94   | 16108    | 2.01   | ng    | # 1    |
| 15) Benzyl Alcohol             | 6.90  | 79   | 17637    | 3.87   | ng    | # 37   |
| 17) 2-Methylphenol             | 7.02  | 107  | 29628    | 5.68   | ng    | # 1    |
| 18) Hexachloroethane           | 7.24  | 117  | 210153   | 79.14  | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 68284    | 15.64  | ng    | # 73   |
| 22) Acetophenone               | 7.14  | 105  | 1217789  | 410.25 | ng    | # 49   |
| 24) Nitrobenzene               | 7.29  | 77   | 183898   | 78.50  | ng    | # 42   |
| 25) Isophorone                 | 7.57  | 82   | 154324   | 36.51  | ng    | # 1    |
| 26) 2-Nitrophenol              | 7.69  | 139  | 15052    | 13.43  | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 7.69  | 122  | 14927    | 7.42   | ng    | # 1    |
| 28) bis(2-Chloroethoxy)methane | 7.82  | 93   | 42593    | 17.17  | ng    | # 1    |
| 29) 2,4-Dichlorophenol         | 7.89  | 162  | 37632    | 22.11  | ng    | # 35   |
| 30) 1,2,4-Trichlorobenzene     | 7.96  | 180  | 12022    | 6.29   | ng    | # 69   |
| 31) Naphthalene                | 8.08  | 128  | 803231   | 126.46 | ng    | # 82   |
| 32) Benzoic acid               | 7.85  | 122  | 15498    | 10.49  | ng    | # 1    |
| 33) 4-Chloroaniline            | 8.08  | 127  | 236250   | 92.08  | ng    | # 6    |
| 35) Caprolactam                | 8.50  | 113  | 173058   | 320.54 | ng    | # 10   |
| 36) 4-Chloro-3-methylphenol    | 8.59  | 107  | 29370    | 15.35  | ng    | # 46   |
| 37) 2-Methylnaphthalene        | 8.78  | 142  | 1269756  | 306.02 | ng    | # 96   |
| 42) 2,4,6-Trichlorophenol      | 9.05  | 196  | 6495     | 3.27   | ng    | # 21   |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 6495     | 3.22   | ng    | # 1    |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 205753   | 23.18  | ng    | # 94   |
| 46) 2-Chloronaphthalene        | 9.30  | 162  | 13140    | 2.04   | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.30  | 65   | 87112    | 46.28  | ng    | # 32   |
| 48) Acenaphthylene             | 9.68  | 152  | 95042    | 9.22   | ng    | # 1    |
| 49) Dimethylphthalate          | 9.53  | 163  | 40472    | 5.31   | ng    | # 44   |
| 50) 2,6-Dinitrotoluene         | 9.44  | 165  | 15684    | 9.72   | ng    | # 86   |
| 51) Acenaphthene               | 9.85  | 154  | 332598   | 54.26  | ng    | # 88   |
| 52) 3-Nitroaniline             | 9.79  | 138  | 11206    | 5.76   | ng    | # 65   |
| 53) 2,4-Dinitrophenol          | 9.89  | 184  | 2062     | 5.48   | ng    | # 1    |
| 54) Dibenzofuran               | 10.02 | 168  | 386735   | 47.78  | ng    | # 68   |
| 55) 4-Nitrophenol              | 9.93  | 139  | 84383    | 73.58  | ng    | # 48   |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 46103    | 22.60  | ng    | # 69   |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040816\  
 Data File : BF086193.D  
 Acq On : 9 Apr 2016 2:58  
 Operator : UM/SJ  
 Sample : H2099-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

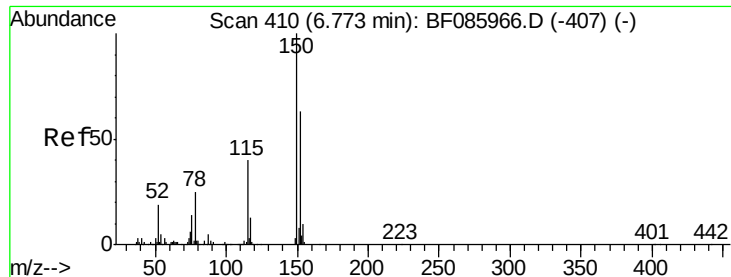
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

Quant Time: Apr 09 05:29:42 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 57) Fluorene                   | 10.36 | 166  | 595597   | 86.13  | ng    | # 86     |
| 59) Diethylphthalate           | 10.22 | 149  | 22251    | 2.89   | ng    | # 13     |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 9629     | 2.99   | ng    | # 1      |
| 61) 4-Nitroaniline             | 10.36 | 138  | 30124    | 15.72  | ng    | # 53     |
| 62) Azobenzene                 | 10.51 | 77   | 26311    | 3.57   | ng    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 2571     | 2.78   | ng    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.48 | 169  | 173146   | 36.27  | ng    | # 60     |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 6057     | 3.89   | ng    | # 1      |
| 68) Atrazine                   | 11.01 | 200  | 87232    | 56.55  | ng    | # 72     |
| 69) Pentachlorophenol          | 11.14 | 266  | 4005     | 5.30   | ng    | # 17     |
| 70) Phenanthrene               | 11.33 | 178  | 3574693  | 429.21 | ng    | 98       |
| 71) Anthracene                 | 11.33 | 178  | 3574693  | 409.73 | ng    | 98       |
| 72) Carbazole                  | 11.52 | 167  | 560670   | 74.76  | ng    | # 90     |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 28570    | 3.07   | ng    | # 1      |
| 74) Fluoranthene               | 12.51 | 202  | 3506289  | 404.76 | ng    | 91       |
| 77) Pyrene                     | 12.74 | 202  | 2936958  | 208.07 | ng    | 97       |
| 80) Benzo(a)anthracene         | 13.91 | 228  | 2455305  | 207.95 | ng    | 97       |
| 82) Chrysene                   | 13.91 | 228  | 2455305  | 215.88 | ng    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 31175    | 3.70   | ng    | # 83     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.66 | 276  | 937308   | 101.57 | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 14.92 | 252  | 3213927  | 236.69 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 14.92 | 252  | 3213927  | 267.29 | ng    | 97       |
| 89) Benzo(a)pyrene             | 15.20 | 252  | 1143884  | 95.08  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.65 | 278  | 310791   | 32.11  | ng    | 95       |
| 91) Benzo(g,h,i)perylene       | 17.06 | 276  | 808185   | 86.28  | ng    | 96       |

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



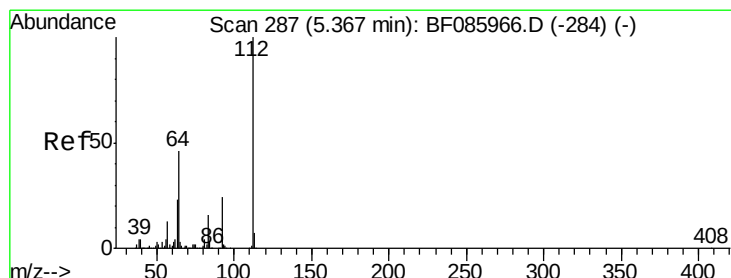
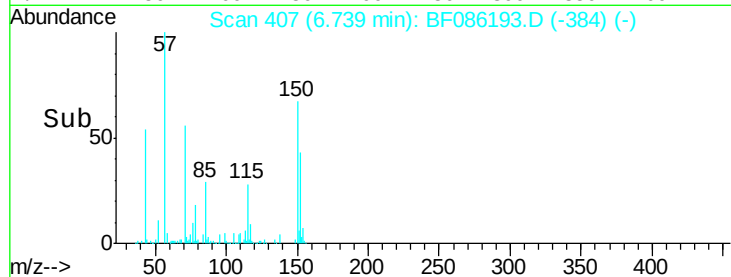
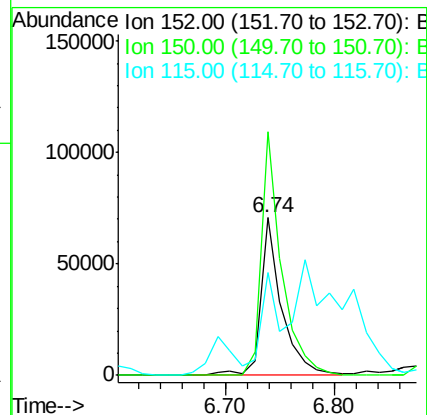
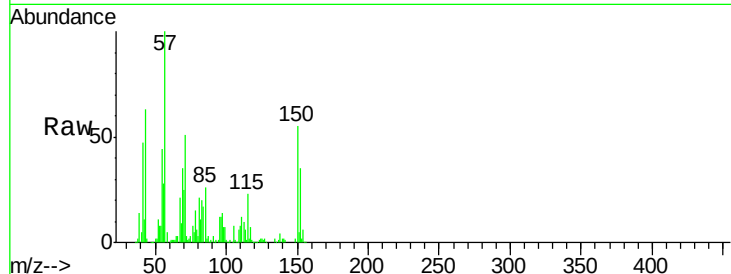


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.74 min Scan# 407  
Delta R.T. -0.03 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

Instrument :  
BNA\_F  
ClientSampleId :  
PE-A-1

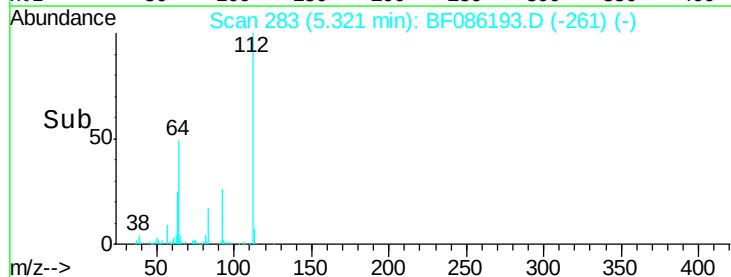
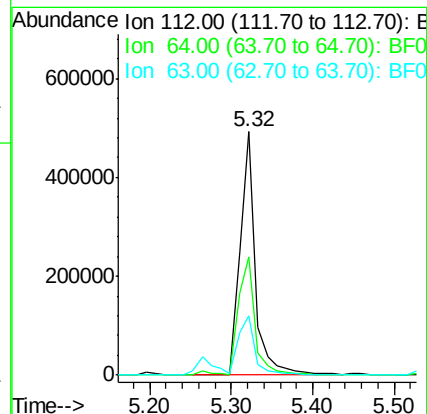
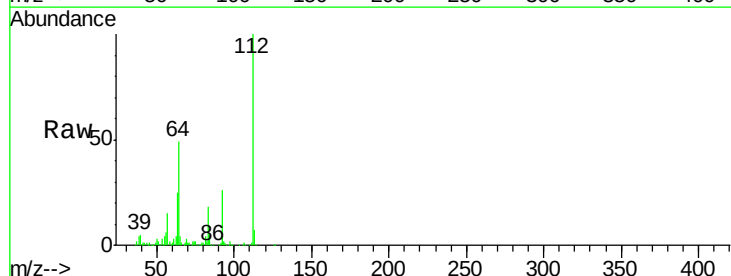
Tgt Ion:152 Resp: 94772  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.2 186.2  
115 65.2 47.0 70.6

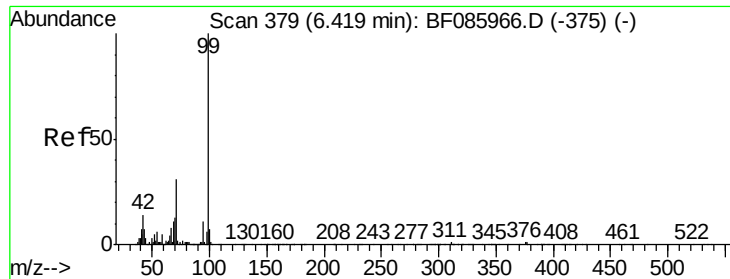


#5

2-Fluorophenol  
Concen: 115.80 ng  
RT: 5.32 min Scan# 283  
Delta R.T. -0.05 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

Tgt Ion:112 Resp: 642056  
Ion Ratio Lower Upper  
112 100  
64 48.8 39.9 59.9  
63 24.5 20.2 30.2





#7

Phenol-d6

Concen: 98.80 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

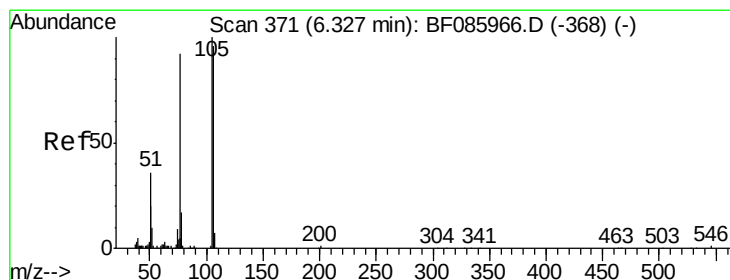
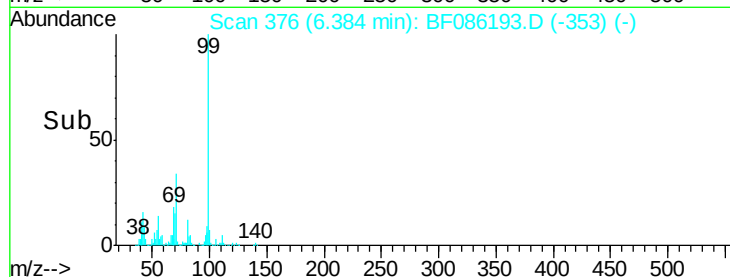
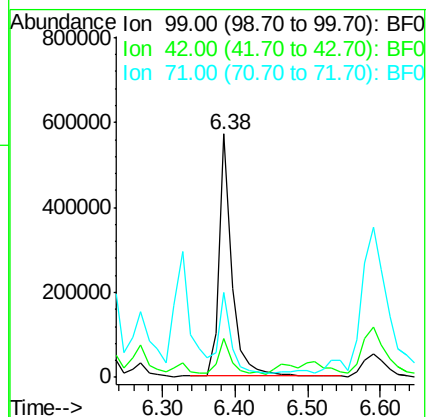
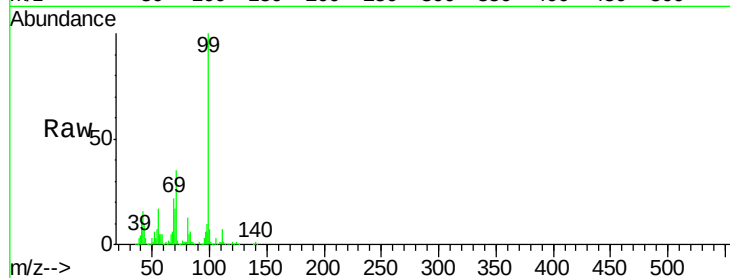
Tgt Ion: 99 Resp: 695792

Ion Ratio Lower Upper

99 100

42 16.0 11.1 16.7

71 34.7 24.9 37.3



#9

Benzaldehyde

Concen: 85.23 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.07 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

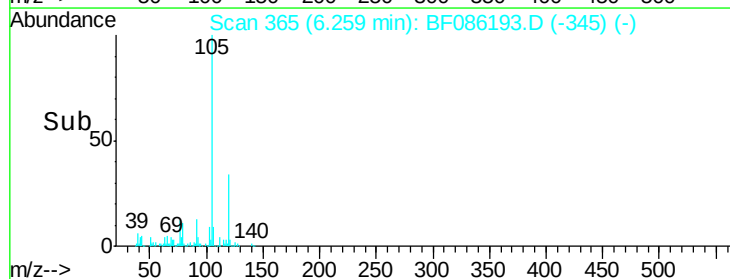
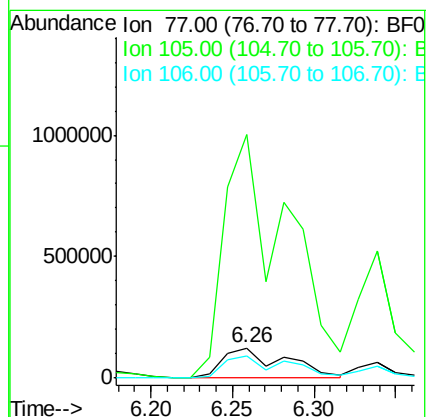
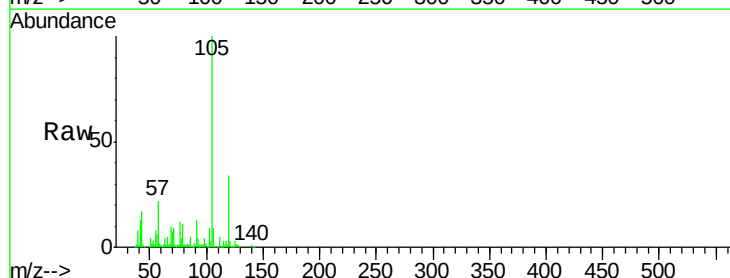
Tgt Ion: 77 Resp: 322994

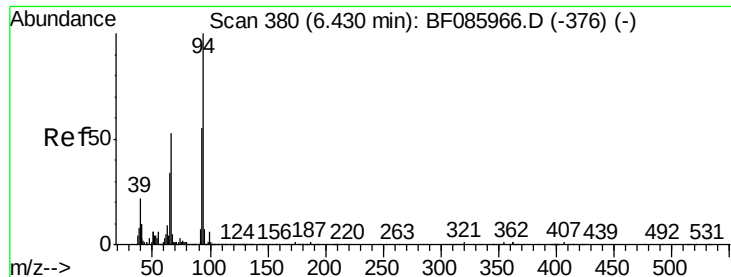
Ion Ratio Lower Upper

77 100

105 812.1 80.1 120.1#

106 73.8 75.0 115.0#





#10

Phenol

Concen: 2.01 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

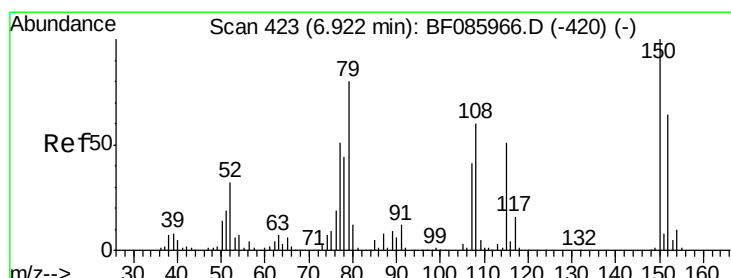
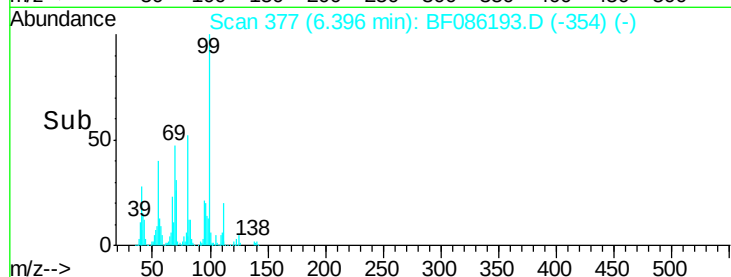
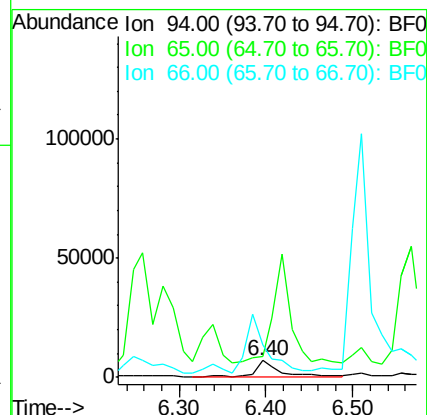
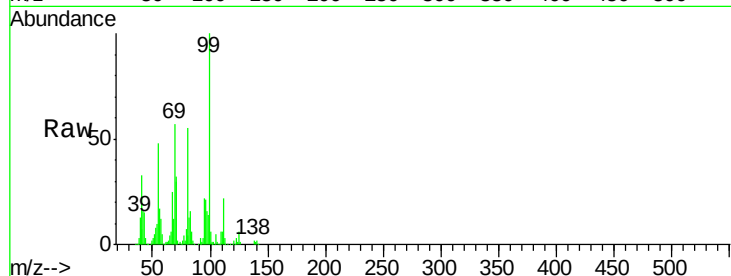
Tgt Ion: 94 Resp: 16108

Ion Ratio Lower Upper

94 100

65 126.3 8.6 48.6#

66 193.0 20.0 60.0#



#15

Benzyl Alcohol

Concen: 3.87 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

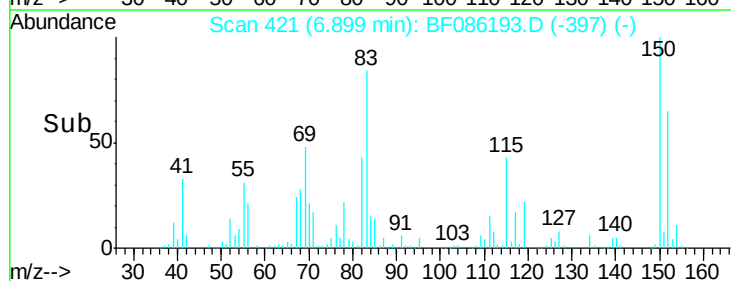
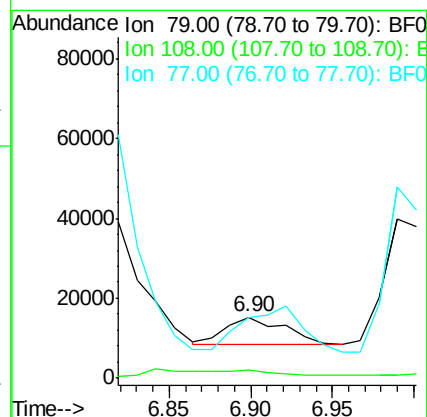
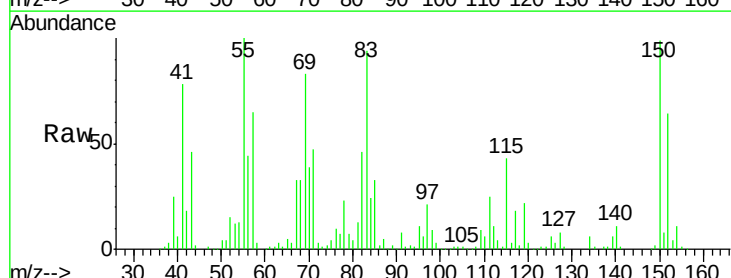
Tgt Ion: 79 Resp: 17637

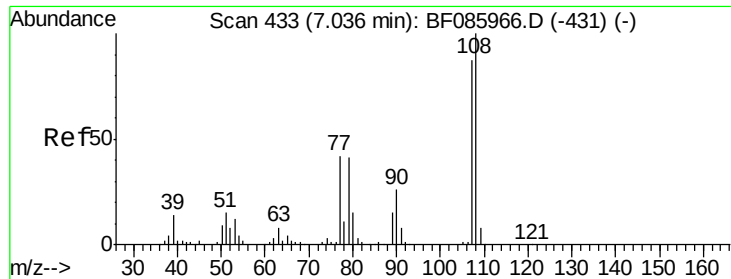
Ion Ratio Lower Upper

79 100

108 14.1 61.8 92.6#

77 100.6 49.6 74.4#

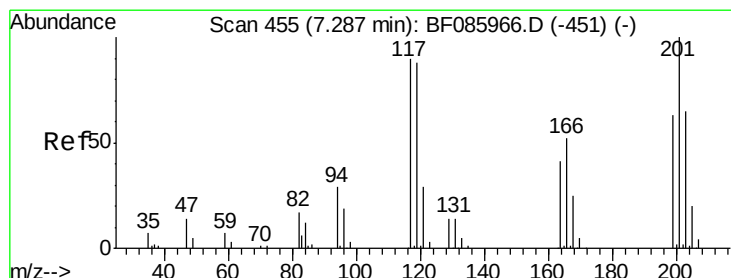
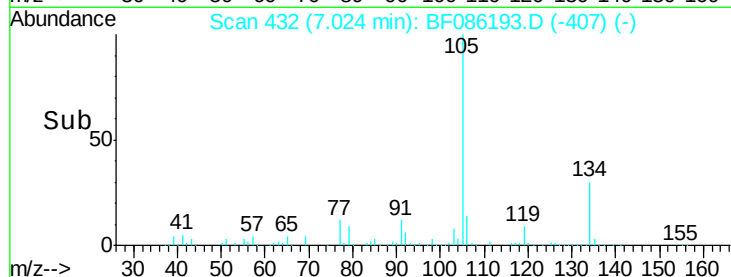
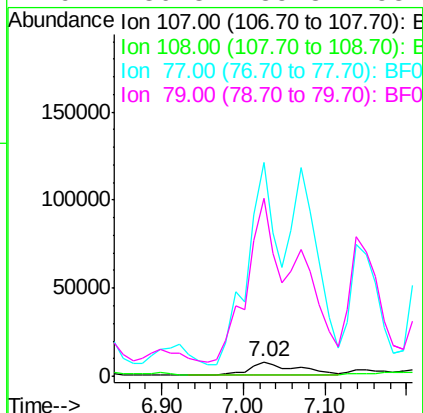
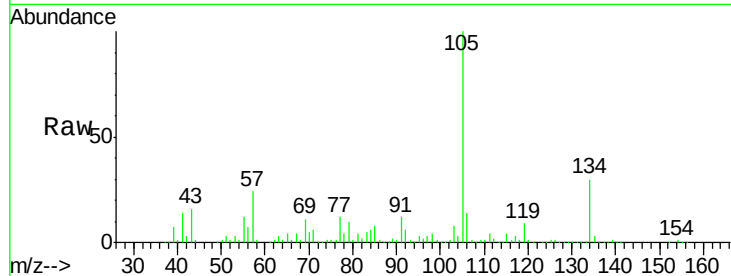




#17  
2-Methylphenol  
Concen: 5.68 ng  
RT: 7.02 min Scan# 432  
Delta R.T. -0.01 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

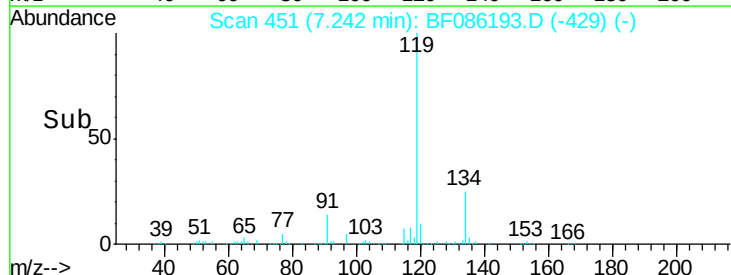
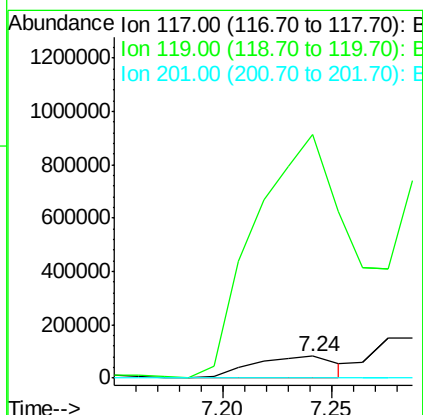
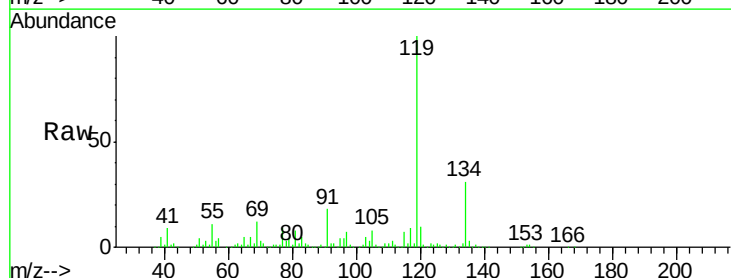
Instrument :  
BNA\_F  
ClientSampleId :  
PE-A-1

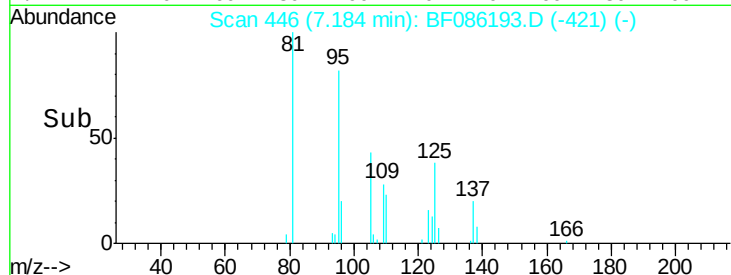
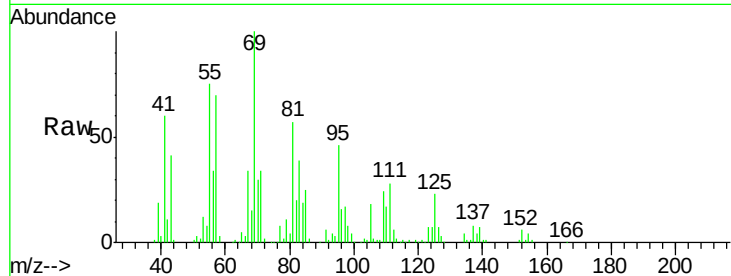
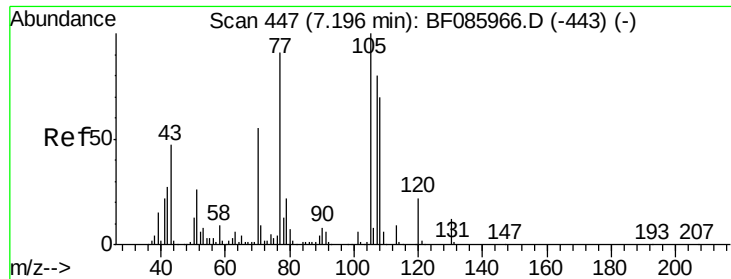
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Ion Ratio Lower Upper  
107 100  
108 9.0 91.4 137.0#  
77 1482.3 36.2 54.2#  
79 1230.8 35.8 53.8#



#18  
Hexachloroethane  
Concen: 79.14 ng  
RT: 7.24 min Scan# 451  
Delta R.T. -0.05 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

Tgt Ion:117 Resp: 210153  
Ion Ratio Lower Upper  
117 100  
119 1126.2 76.7 115.1#  
201 0.0 83.3 124.9#

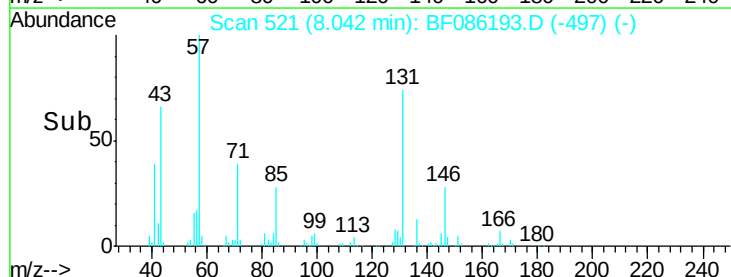
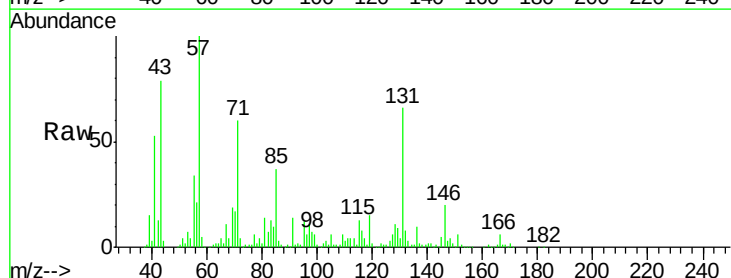
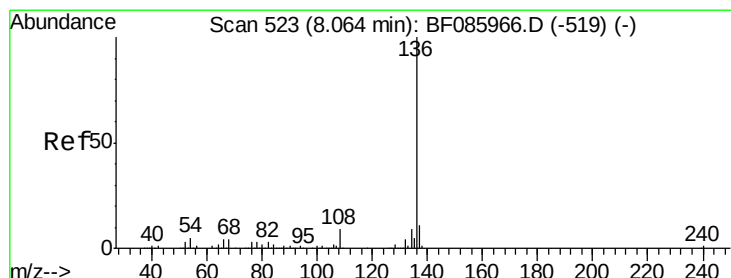
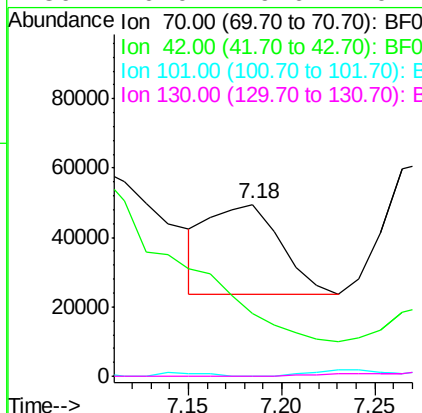




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.64 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

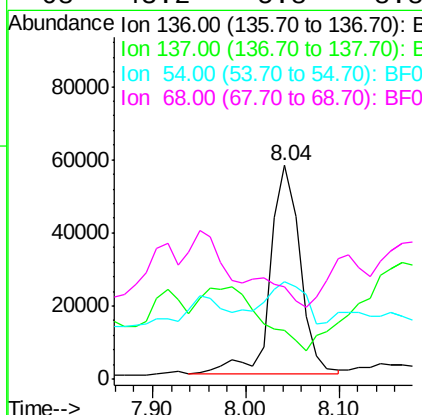
Instrument :  
BNA\_F  
ClientSampleId :  
PE-A-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 68284 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 36.7  | 37.1  | 55.7# |
| 101      | 0.0   | 8.6   | 12.8# |
| 130      | 0.0   | 19.6  | 29.4# |

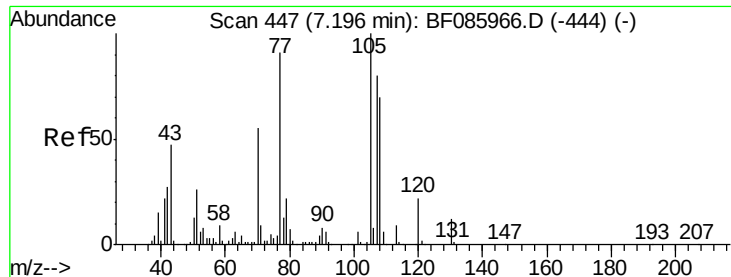


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 521  
Delta R.T. -0.02 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 126274 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 22.6  | 9.1   | 13.7#  |
| 54       | 45.4  | 7.4   | 11.0#  |
| 68       | 43.2  | 5.8   | 8.8#   |







#22

Acetophenone

Concen: 410.25 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.06 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

Tgt Ion:105 Resp: 1217789

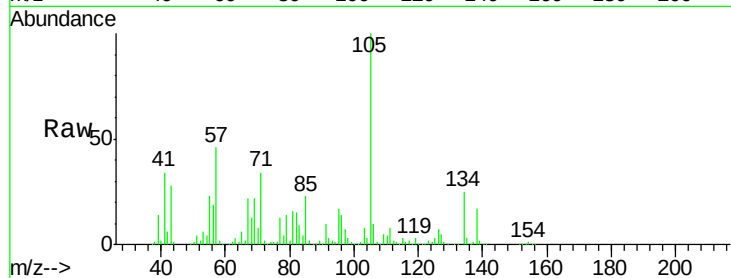
Ion Ratio Lower Upper

105 100

71 33.7 3.6 5.4#

51 4.4 25.4 38.0#

120 0.3 16.9 25.3#



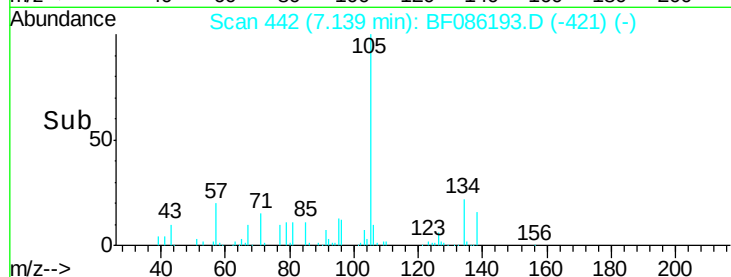
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

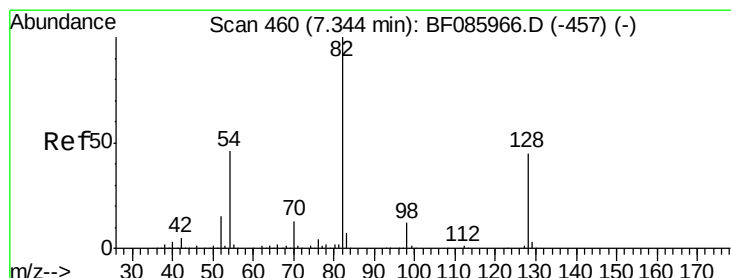
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 189.27 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

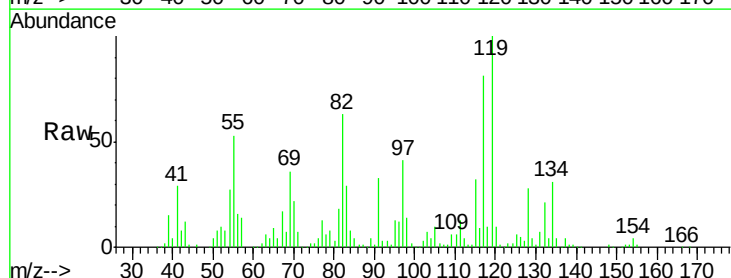
Tgt Ion: 82 Resp: 405264

Ion Ratio Lower Upper

82 100

128 44.1 41.8 62.8

54 42.1 33.4 50.0

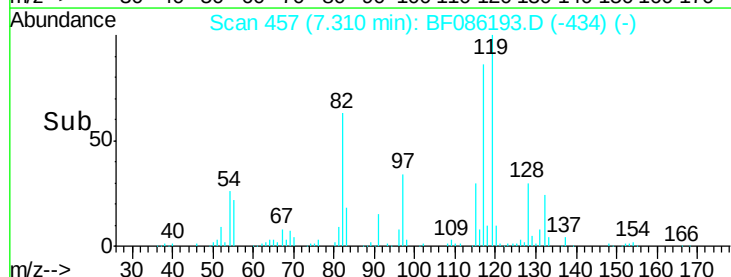


Abundance Ion 82.00 (81.70 to 82.70): BF0

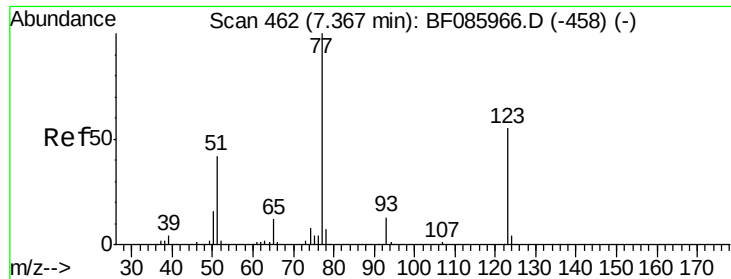
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



Time-->



#24

Nitrobenzene

Concen: 78.50 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.08 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampled :

PE-A-1

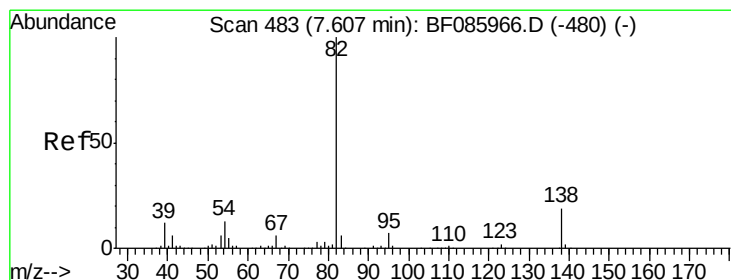
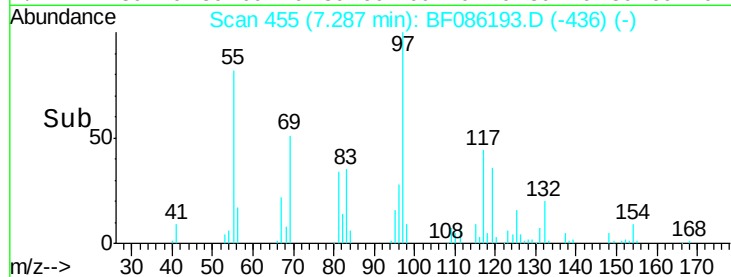
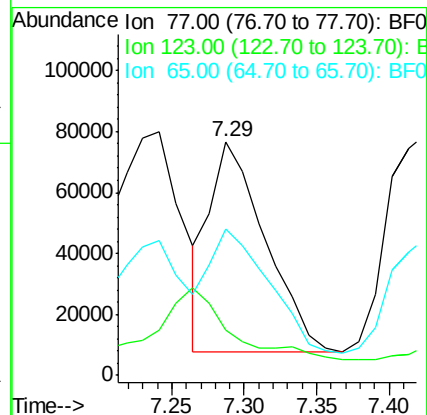
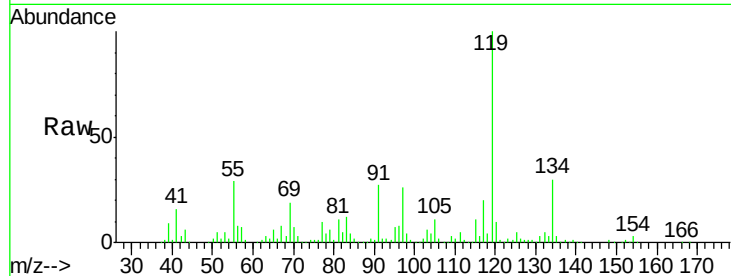
Tgt Ion: 77 Resp: 183898

Ion Ratio Lower Upper

77 100

123 19.3 35.0 52.4#

65 62.3 10.6 16.0#



#25

Isophorone

Concen: 36.51 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

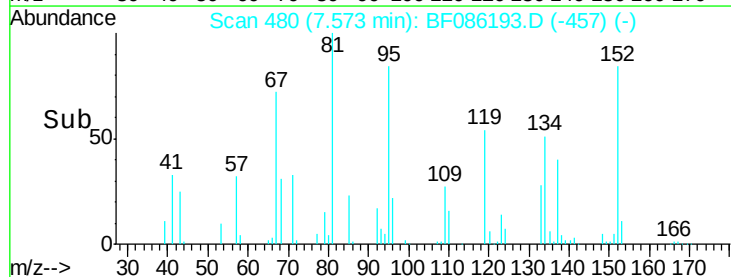
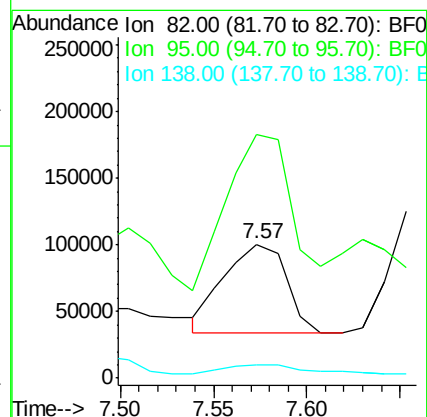
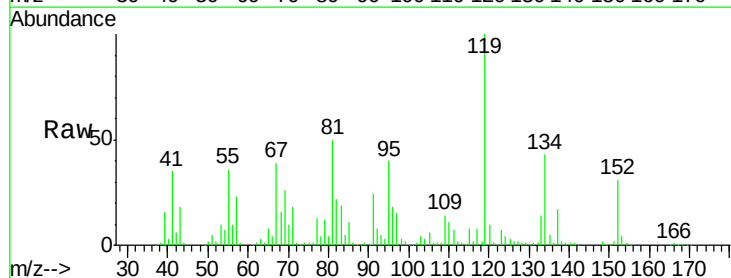
Tgt Ion: 82 Resp: 154324

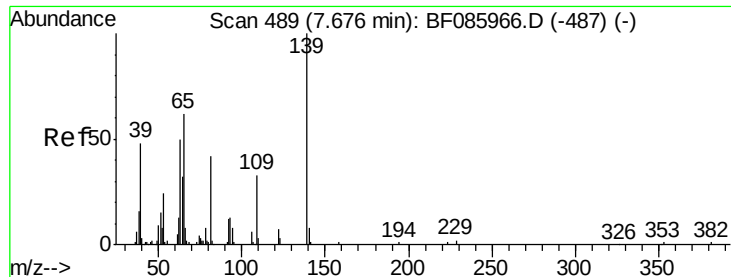
Ion Ratio Lower Upper

82 100

95 181.5 5.4 8.2#

138 10.3 12.9 19.3#

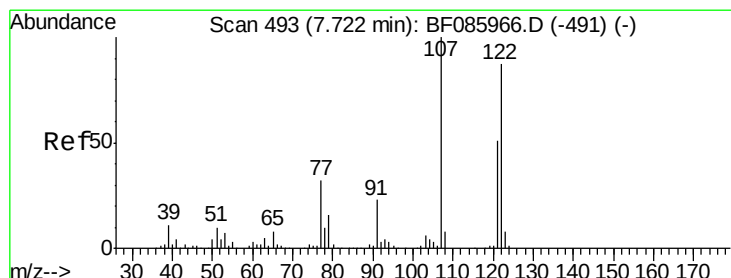
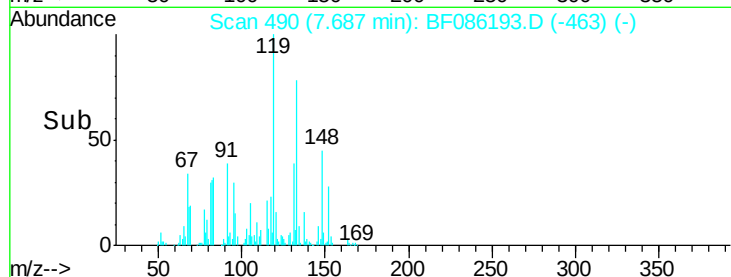
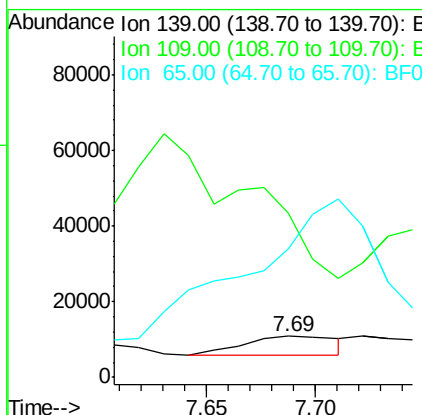
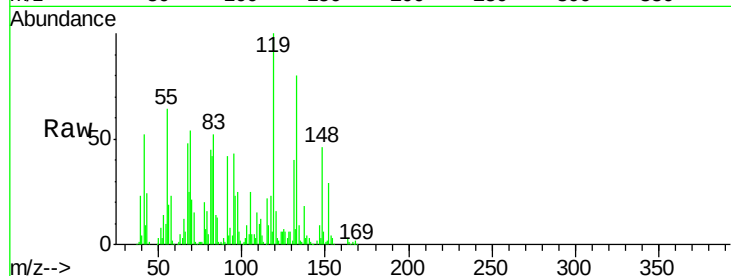




#26  
 2-Nitrophenol  
 Concen: 13.43 ng  
 RT: 7.69 min Scan# 490  
 Delta R.T. 0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

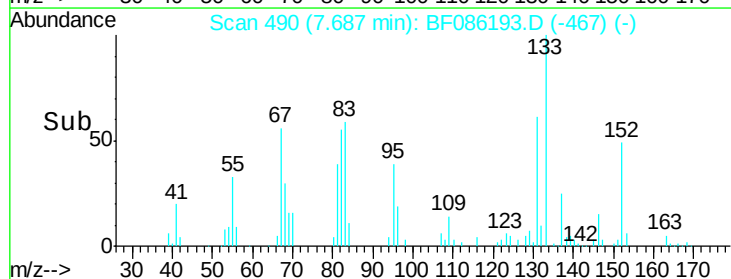
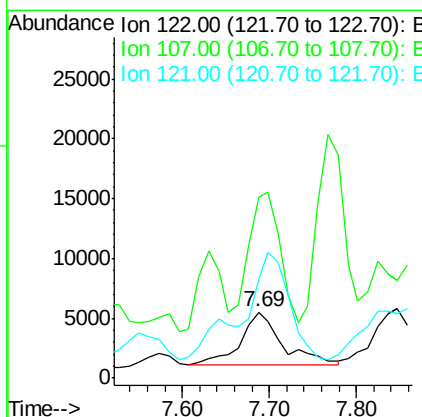
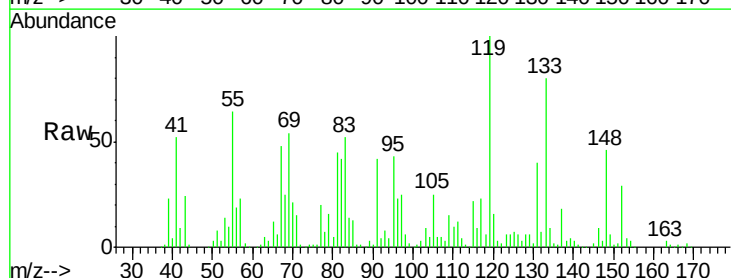
Instrument :  
 BNA\_F  
 ClientSampled :  
 PE-A-1

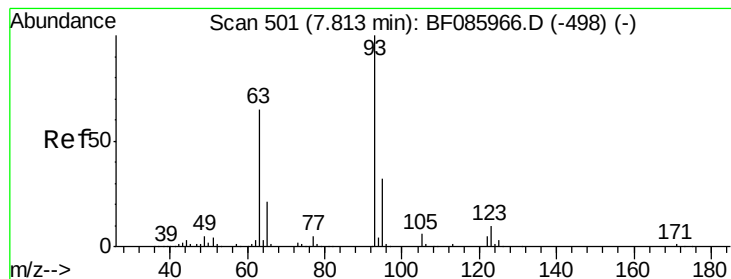
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 398.4 | 22.1  | 33.1# |
| 65      | 312.3 | 33.9  | 50.9# |



#27  
 2,4-Dimethylphenol  
 Concen: 7.42 ng  
 RT: 7.69 min Scan# 490  
 Delta R.T. -0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 274.9 | 93.0  | 139.6# |
| 121     | 149.2 | 45.9  | 68.9#  |





#28

bis(2-Chloroethoxy)methane

Concen: 17.17 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

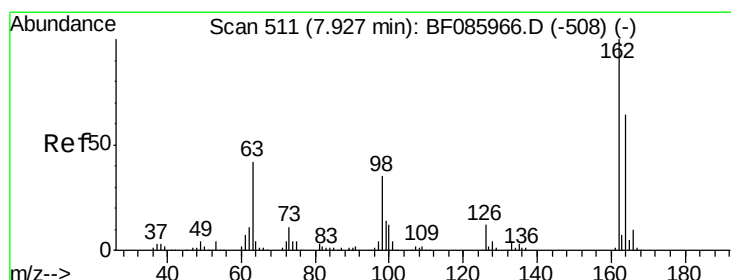
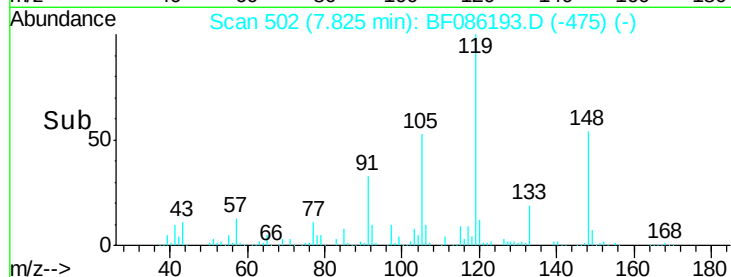
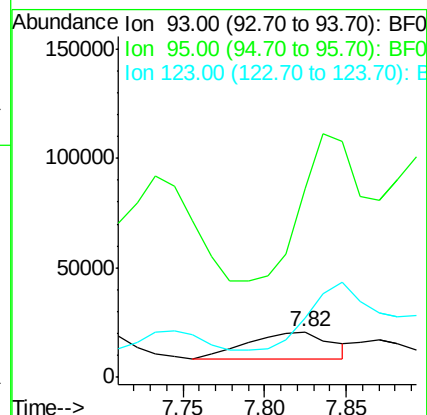
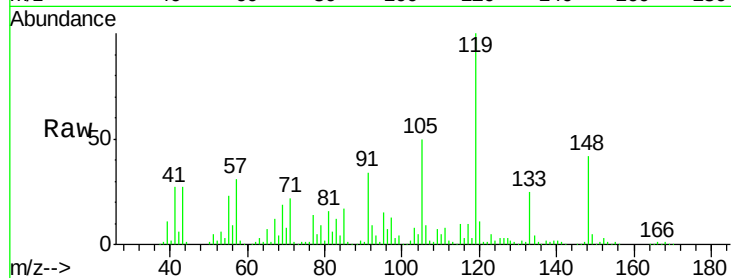
Tgt Ion: 93 Resp: 42593

Ion Ratio Lower Upper

93 100

95 412.1 26.4 39.6#

123 130.0 9.8 14.6#



#29

2,4-Dichlorophenol

Concen: 22.11 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

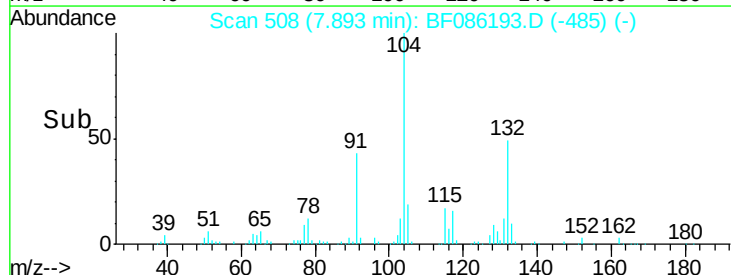
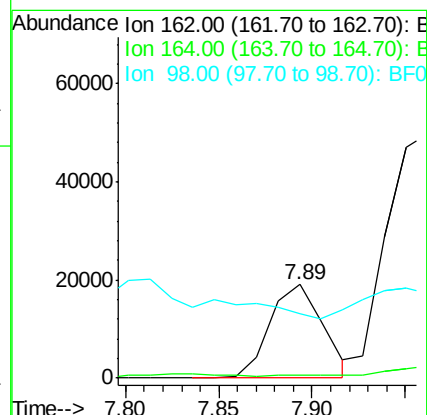
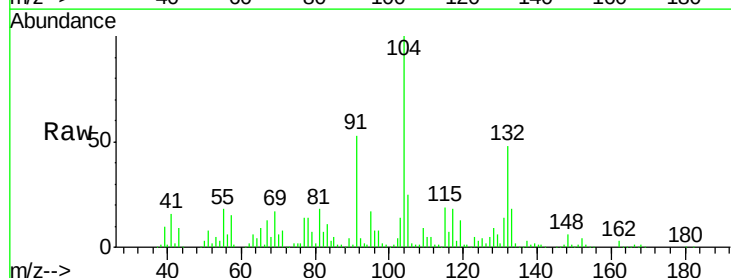
Tgt Ion: 162 Resp: 37632

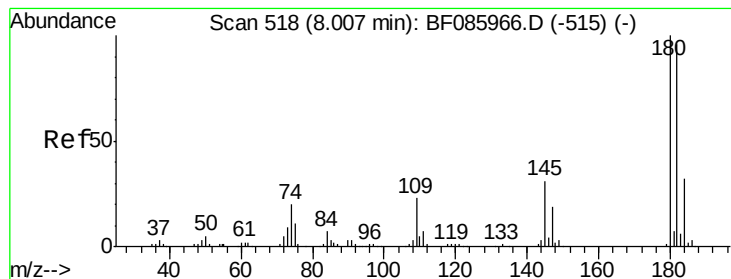
Ion Ratio Lower Upper

162 100

164 2.8 43.7 83.7#

98 68.3 20.4 60.4#





#30

1,2,4-Trichlorobenzene

Concen: 6.29 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

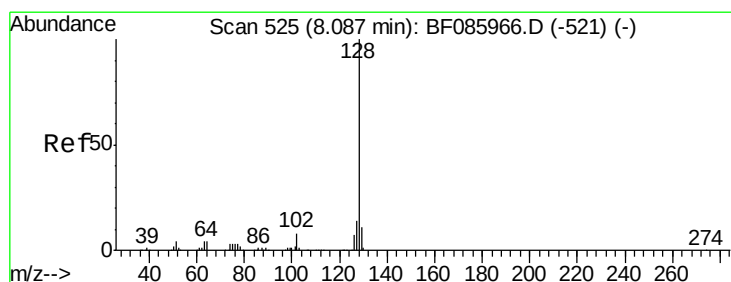
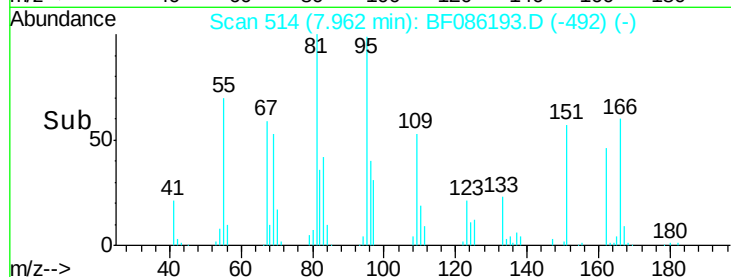
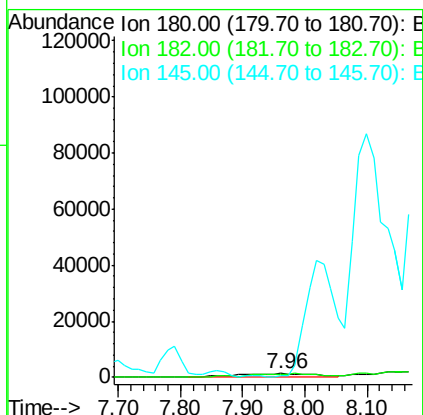
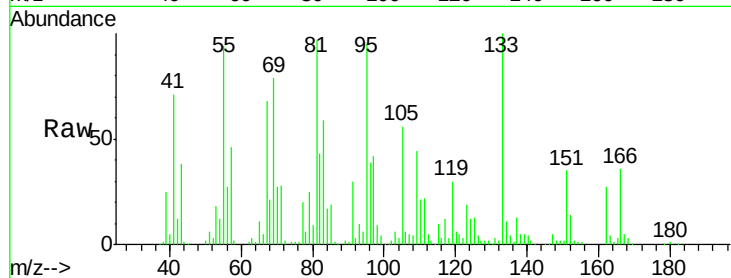
Tgt Ion:180 Resp: 12022

Ion Ratio Lower Upper

180 100

182 57.0 73.8 110.8#

145 26.6 28.4 42.6#



#31

Naphthalene

Concen: 126.46 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

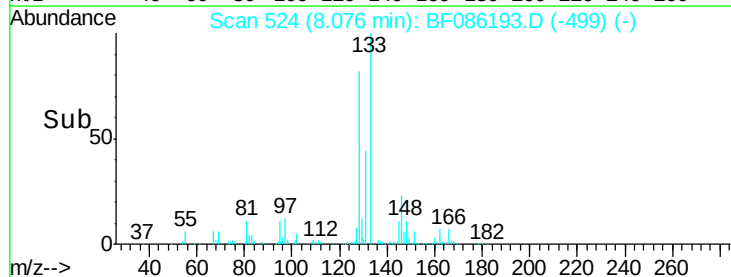
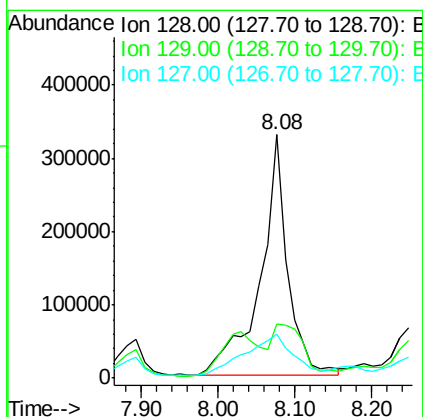
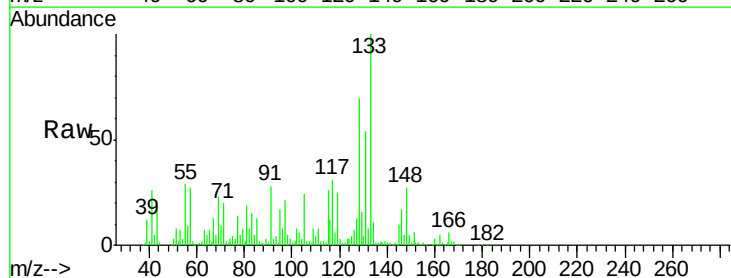
Tgt Ion:128 Resp: 803231

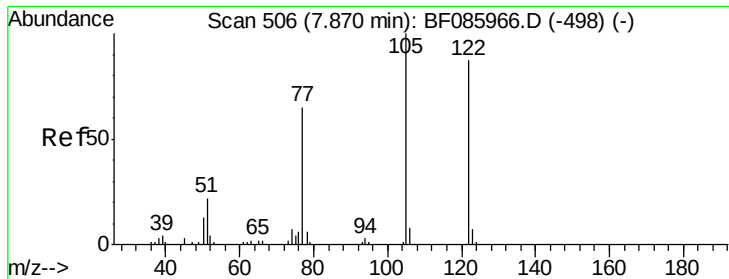
Ion Ratio Lower Upper

128 100

129 22.4 9.4 14.0#

127 18.0 11.0 16.6#





#32

Benzoic acid

Concen: 10.49 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

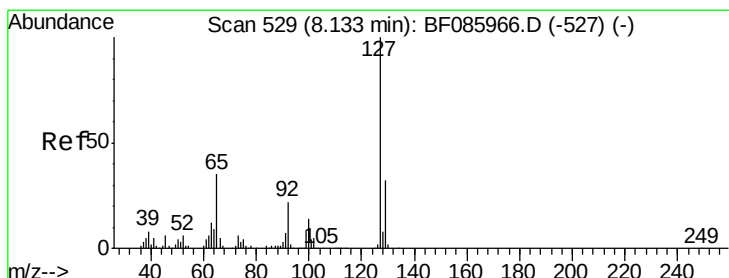
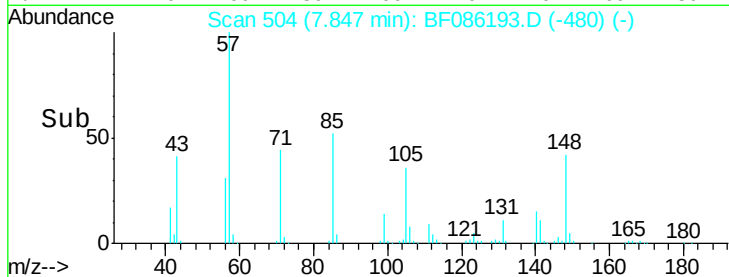
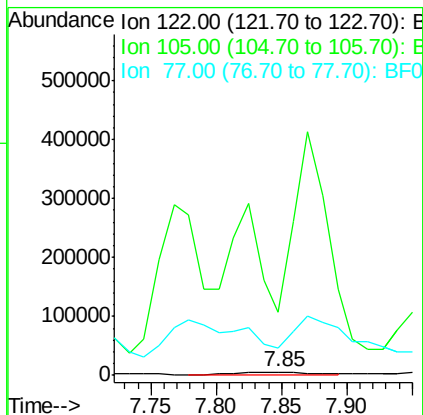
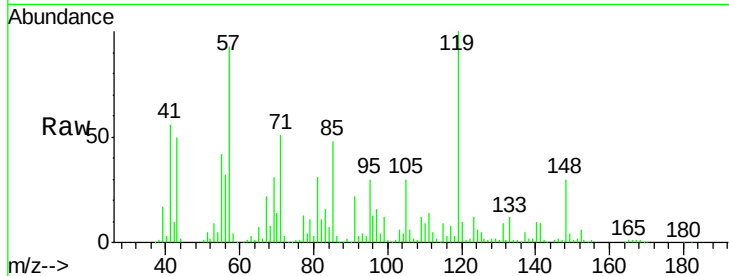
Tgt Ion:122 Resp: 15498

Ion Ratio Lower Upper

122 100

105 1847.0 102.9 142.9#

77 807.4 71.8 111.8#



#33

4-Chloroaniline

Concen: 92.08 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.06 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Tgt Ion:127 Resp: 236250

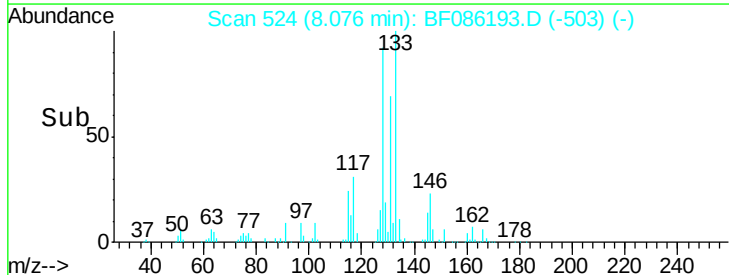
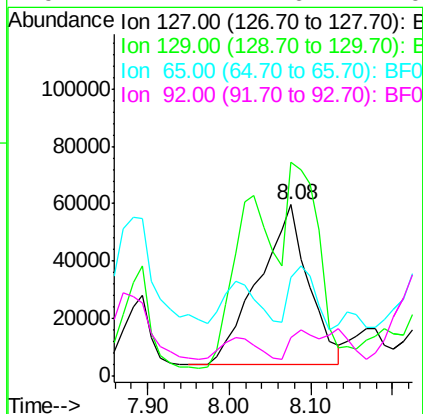
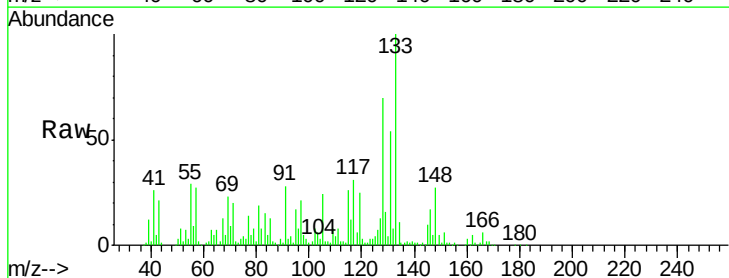
Ion Ratio Lower Upper

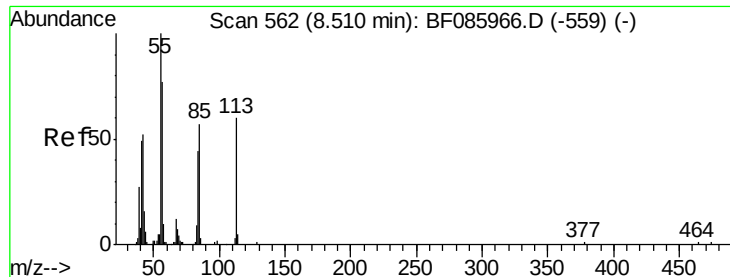
127 100

129 124.6 26.1 39.1#

65 57.3 19.5 29.3#

92 22.1 14.6 22.0#

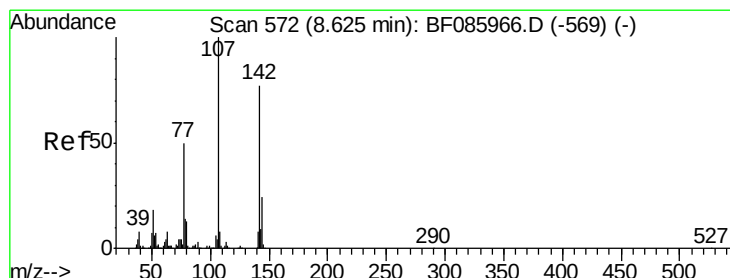
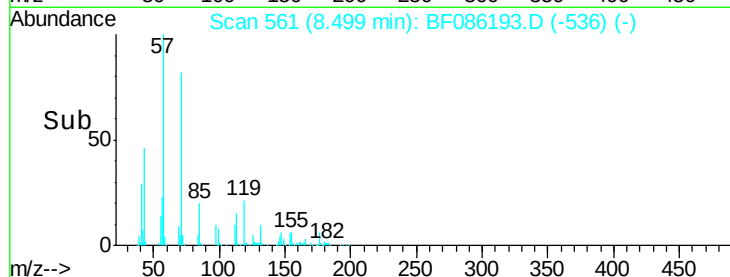
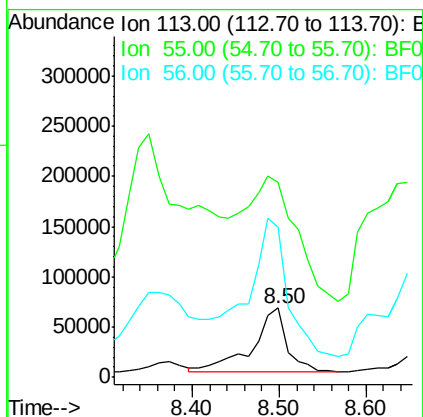
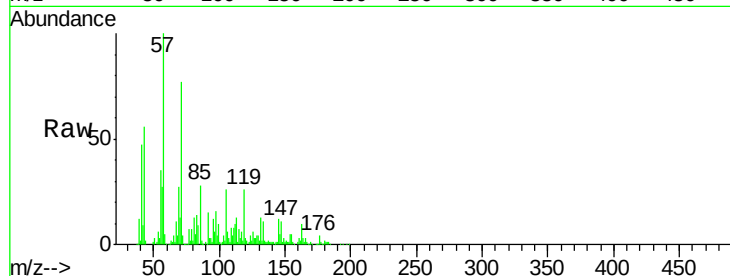




#35  
 Caprolactam  
 Concen: 320.54 ng  
 RT: 8.50 min Scan# 561  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

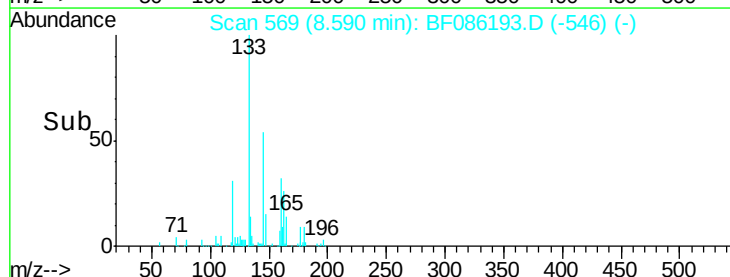
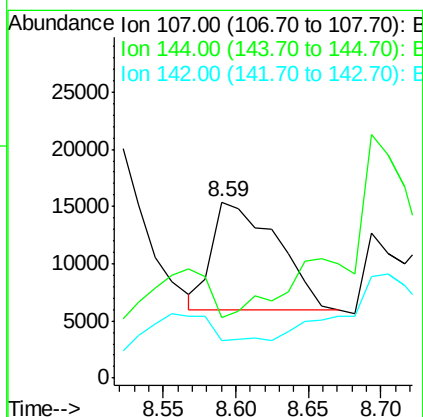
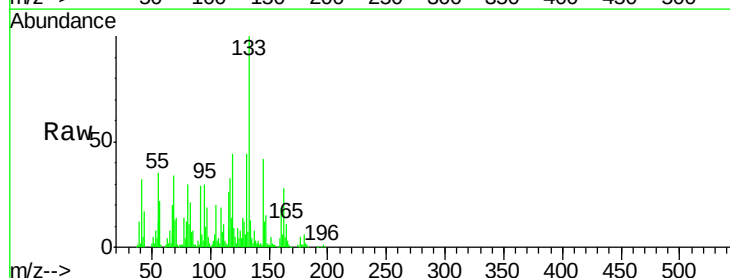
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

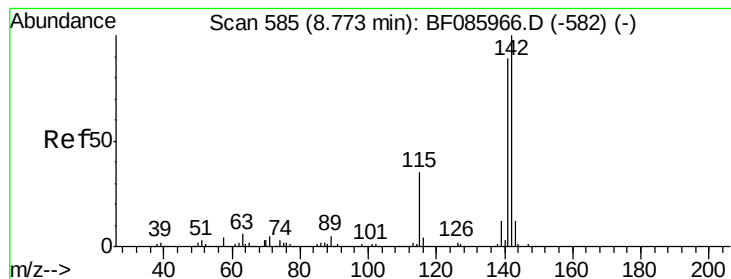
Tgt Ion:113 Resp: 173058  
 Ion Ratio Lower Upper  
 113 100  
 55 281.7 139.4 179.4#  
 56 216.8 100.4 140.4#



#36  
 4-Chloro-3-methylphenol  
 Concen: 15.35 ng  
 RT: 8.59 min Scan# 569  
 Delta R.T. -0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:107 Resp: 29370  
 Ion Ratio Lower Upper  
 107 100  
 144 34.5 19.3 28.9#  
 142 21.1 61.4 92.0#





#37

2-Methylnaphthalene

Concen: 306.02 ng

RT: 8.78 min Scan# 586

Delta R.T. 0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

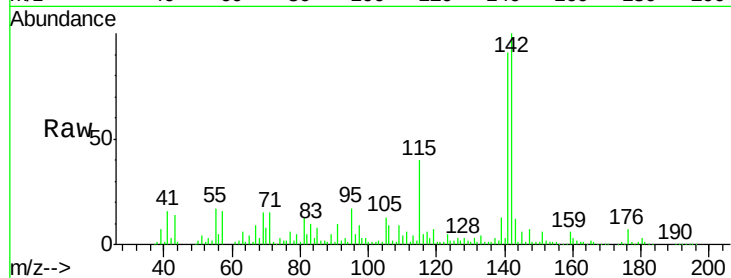
Tgt Ion:142 Resp: 1269756

Ion Ratio Lower Upper

142 100

141 90.8 71.6 107.4

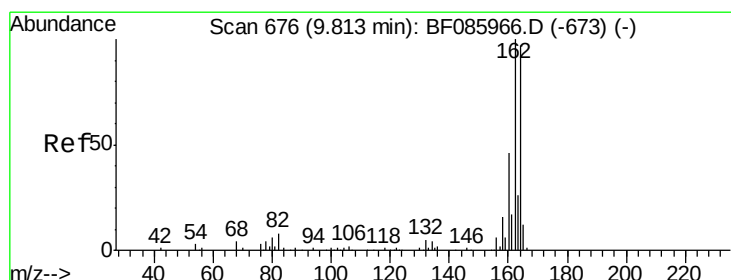
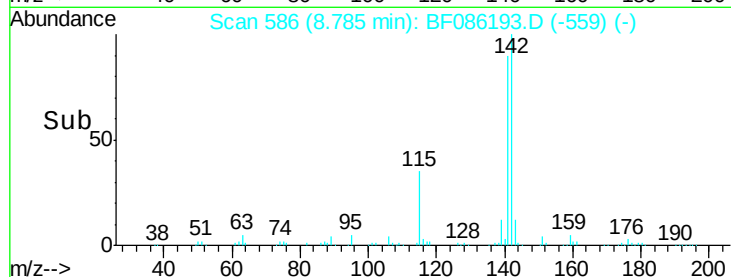
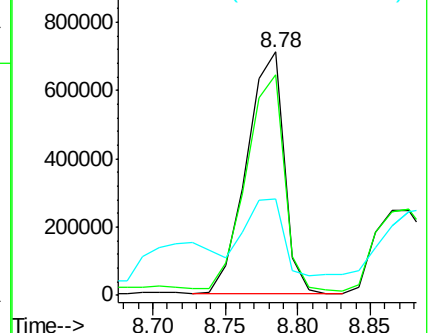
115 39.5 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

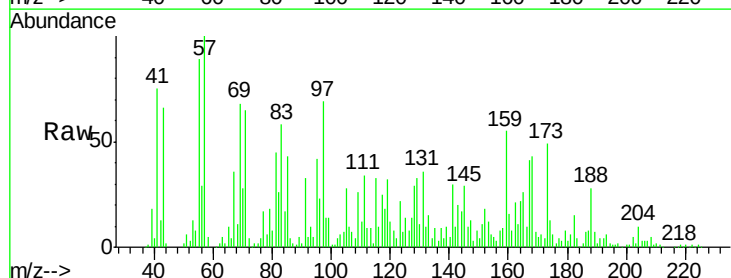
Tgt Ion:164 Resp: 102931

Ion Ratio Lower Upper

164 100

162 93.3 82.1 123.1

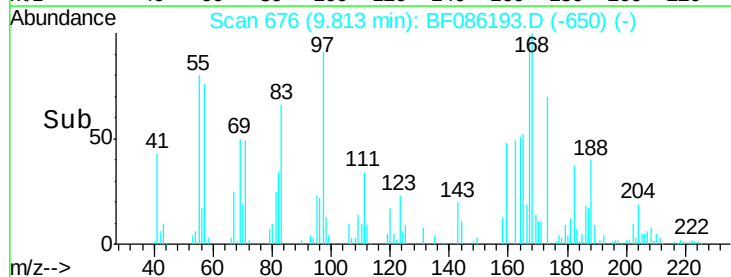
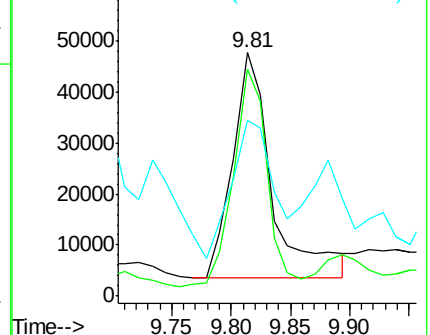
160 72.0 37.4 56.2#



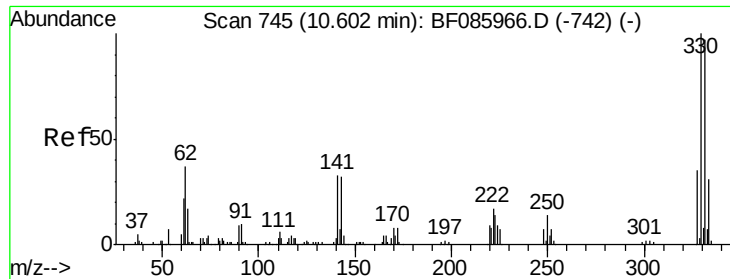
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



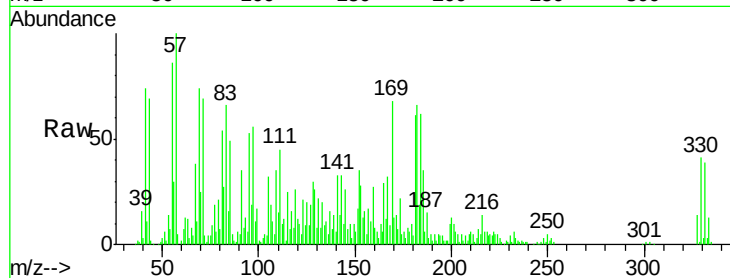




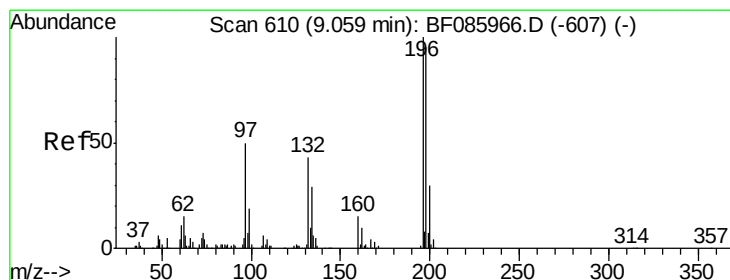
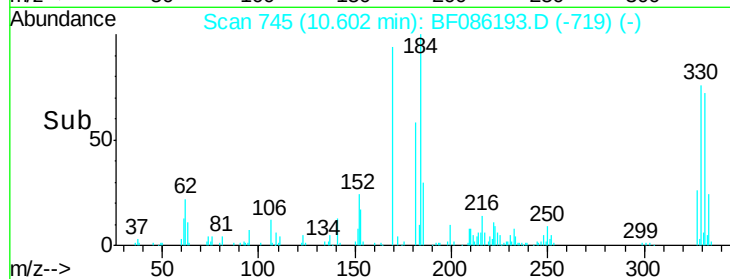
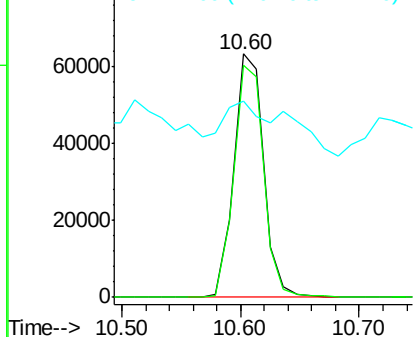
#41  
 2,4,6-Tribromophenol  
 Concen: 113.71 ng  
 RT: 10.60 min Scan# 745  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Instrument :  
 BNA\_F  
 ClientSampled :  
 PE-A-1

Tgt Ion:330 Resp: 109853  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.2 117.2  
 141 17.4 31.5 47.3#

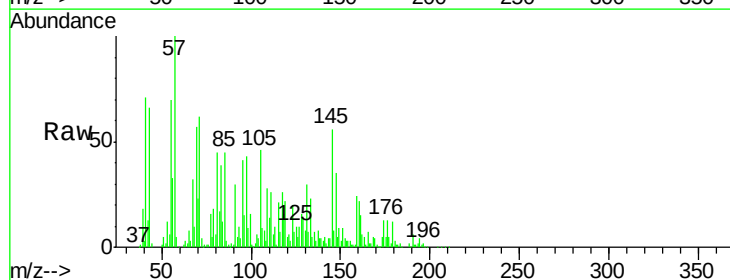


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

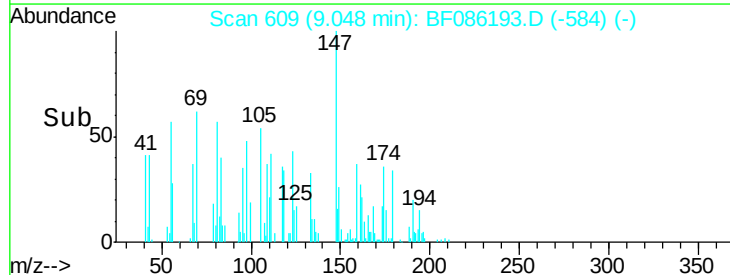
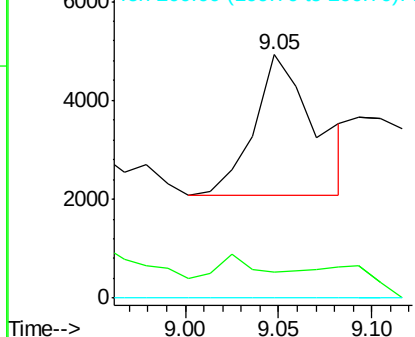


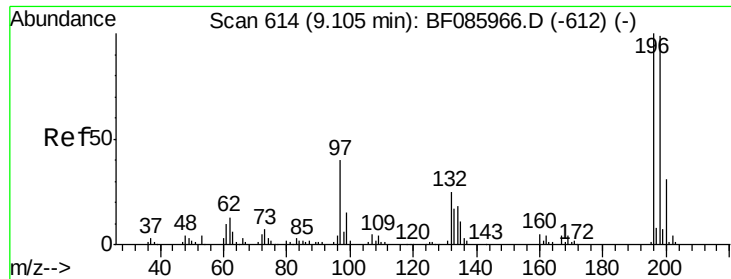
#42  
 2,4,6-Trichlorophenol  
 Concen: 3.27 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:196 Resp: 6495  
 Ion Ratio Lower Upper  
 196 100  
 198 10.6 75.3 112.9#  
 200 0.0 23.7 35.5#



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

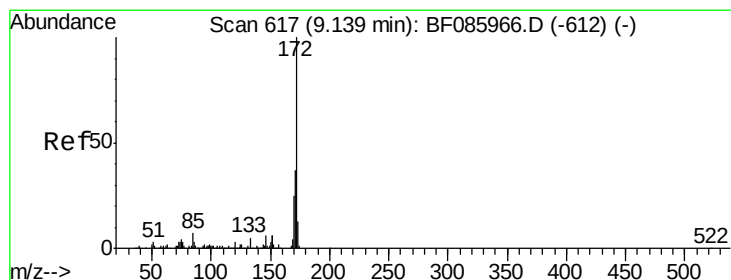
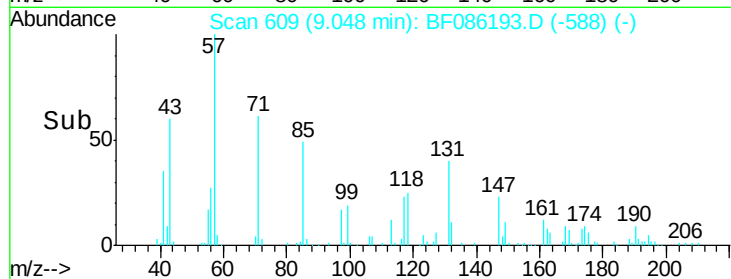
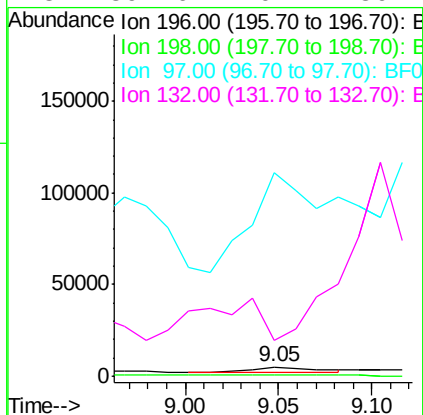
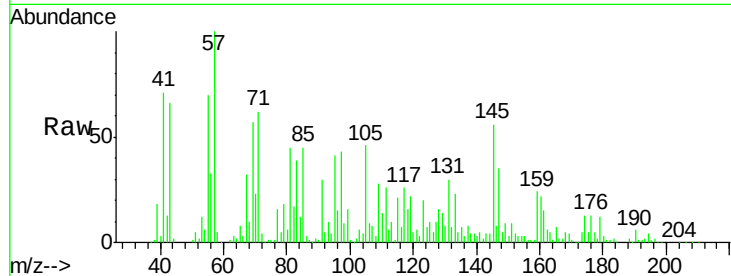




#43  
 2,4,5-Trichlorophenol  
 Concen: 3.22 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.06 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

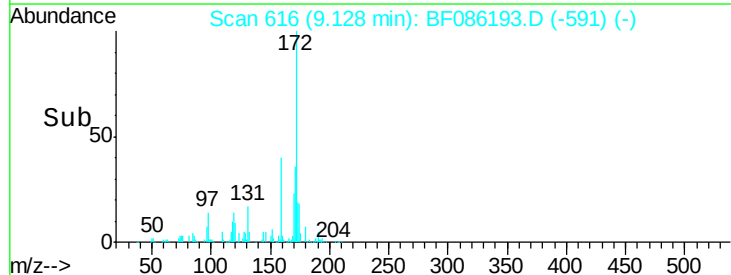
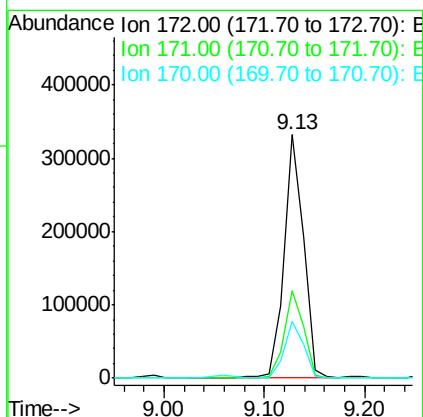
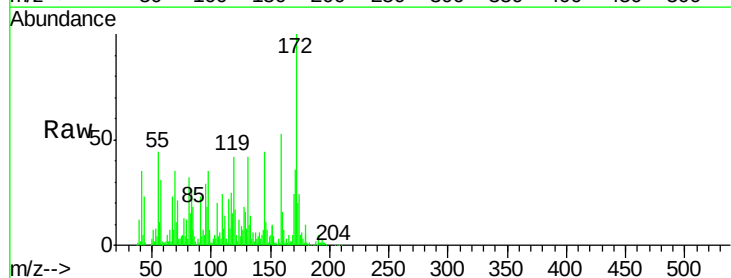
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

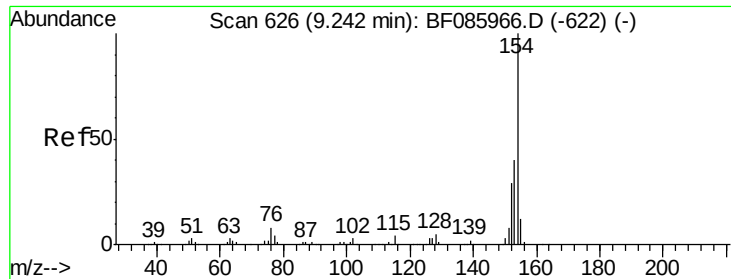
Tgt Ion:196 Resp: 6495  
 Ion Ratio Lower Upper  
 196 100  
 198 10.6 76.6 114.8#  
 97 2255.9 30.5 45.7#  
 132 391.6 20.2 30.2#



#44  
 2-Fluorobiphenyl  
 Concen: 71.88 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:172 Resp: 445000  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.2  
 170 23.5 19.8 29.6

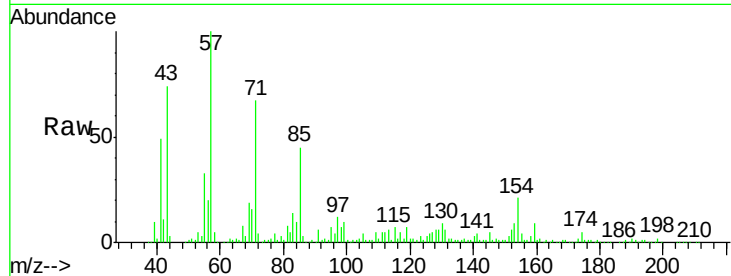




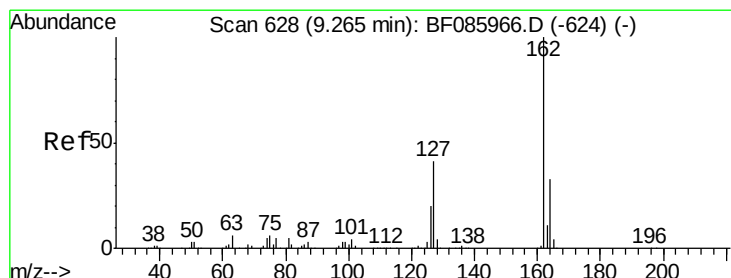
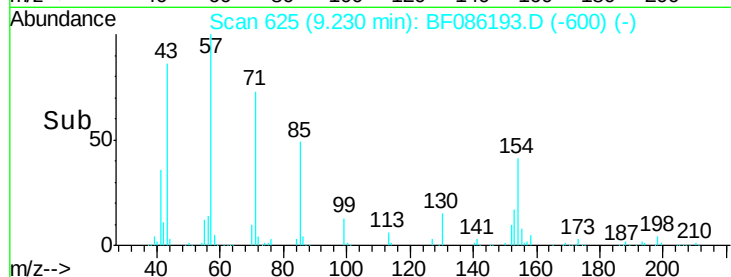
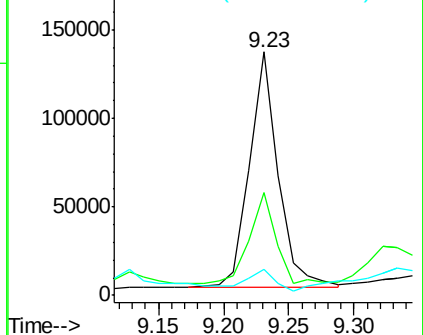
#45  
 1,1'-Biphenyl  
 Concen: 23.18 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.2  | 20.8  | 60.8  |
| 76      | 10.5  | 0.0   | 36.7  |

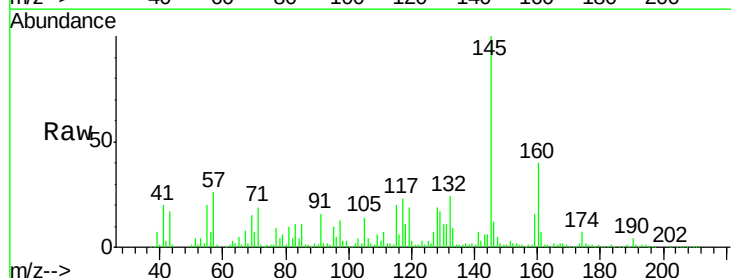


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

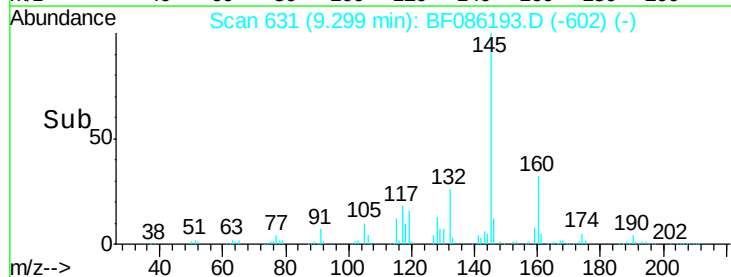
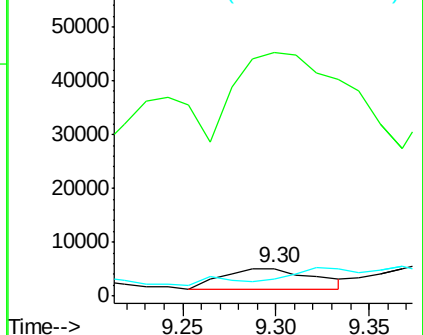


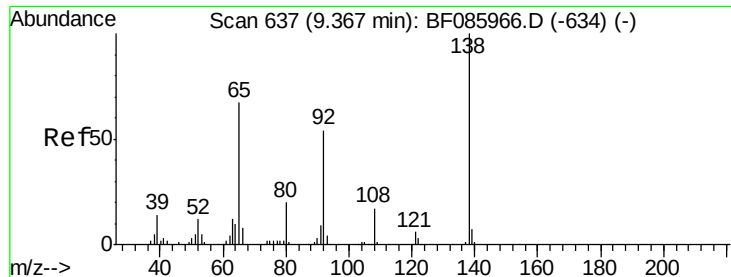
#46  
 2-Chloronaphthalene  
 Concen: 2.04 ng  
 RT: 9.30 min Scan# 631  
 Delta R.T. 0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 874.4 | 31.7  | 47.5# |
| 164     | 63.2  | 27.3  | 40.9# |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

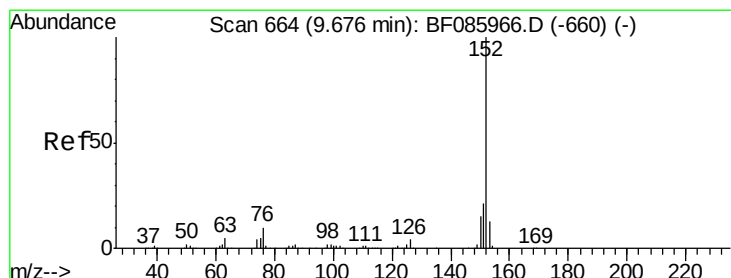
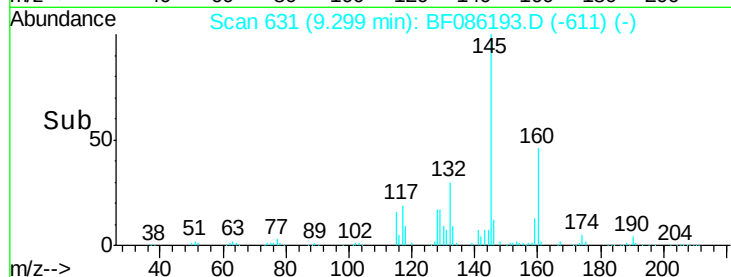
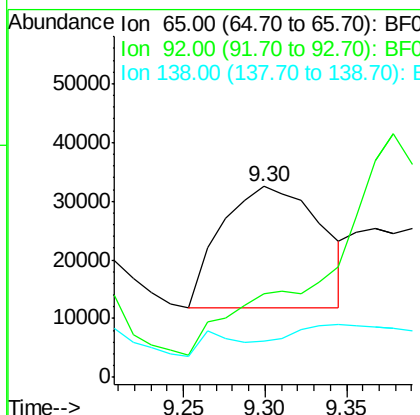
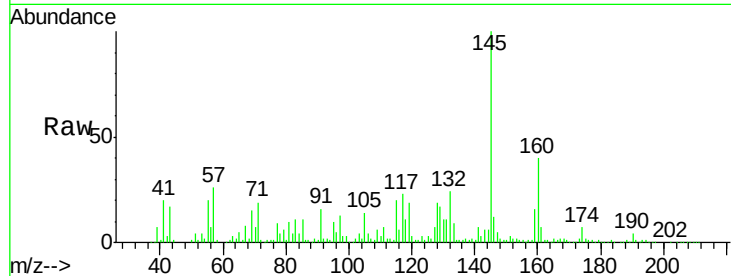




#47  
 2-Nitroaniline  
 Concen: 46.28 ng  
 RT: 9.30 min Scan# 631  
 Delta R.T. -0.07 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

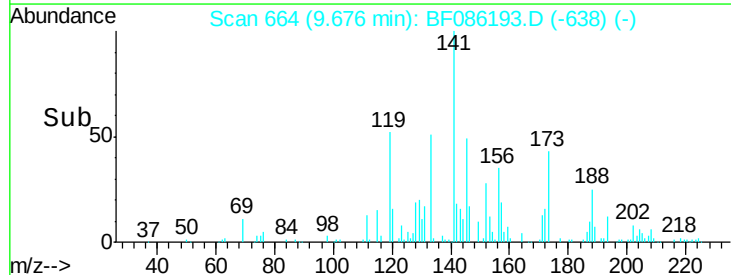
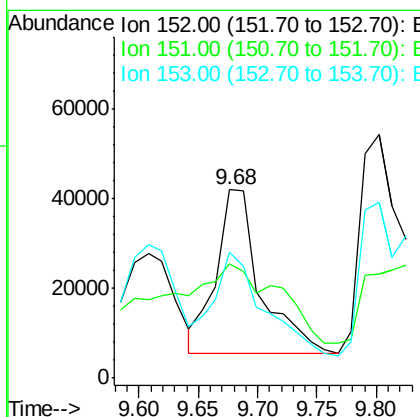
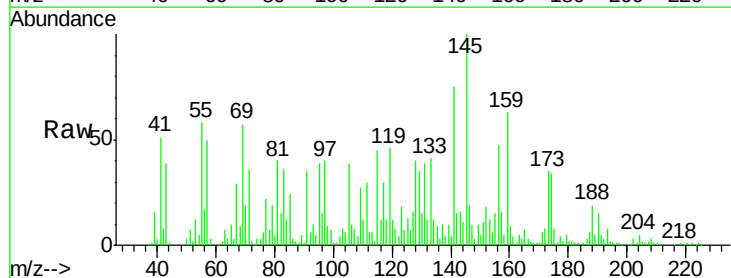
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

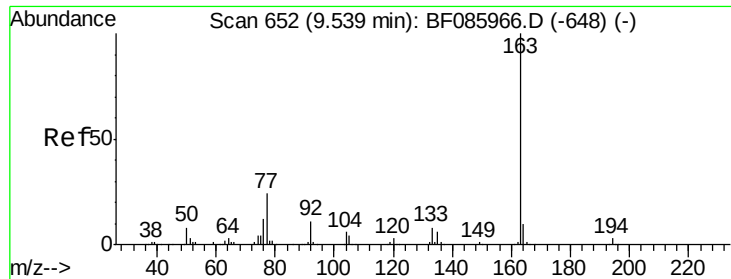
Tgt Ion: 65 Resp: 87112  
 Ion Ratio Lower Upper  
 65 100  
 92 43.6 59.7 89.5#  
 138 19.0 91.4 137.0#



#48  
 Acenaphthylene  
 Concen: 9.22 ng  
 RT: 9.68 min Scan# 664  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion: 152 Resp: 95042  
 Ion Ratio Lower Upper  
 152 100  
 151 60.5 16.8 25.2#  
 153 66.9 10.9 16.3#

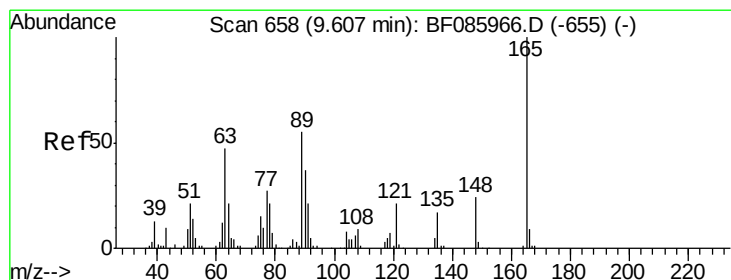
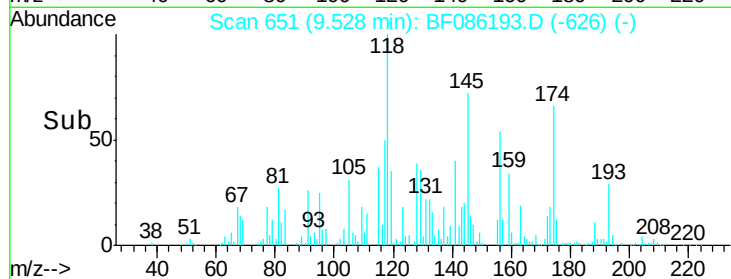
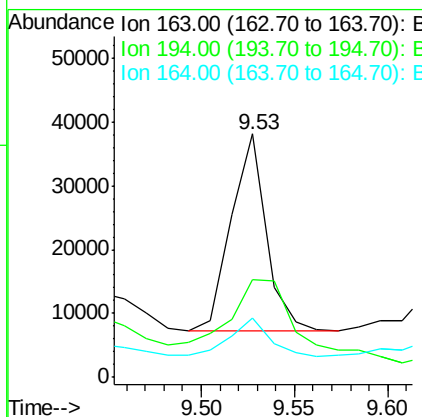
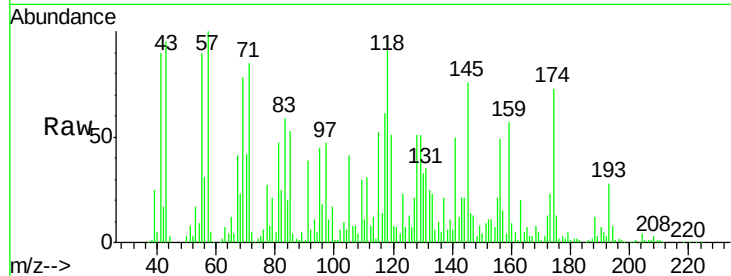




#49  
Dimethylphthalate  
Concen: 5.31 ng  
RT: 9.53 min Scan# 651  
Delta R.T. -0.01 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

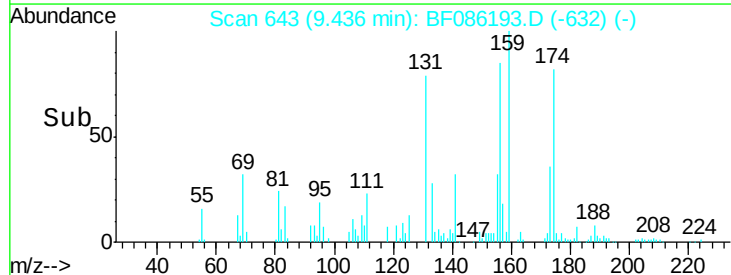
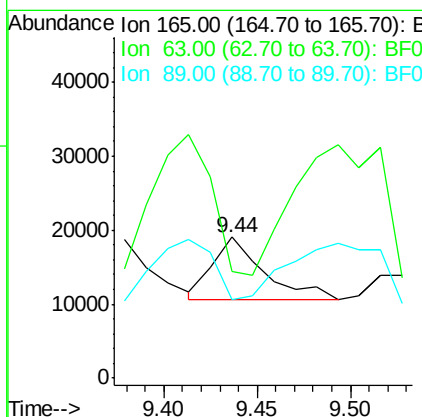
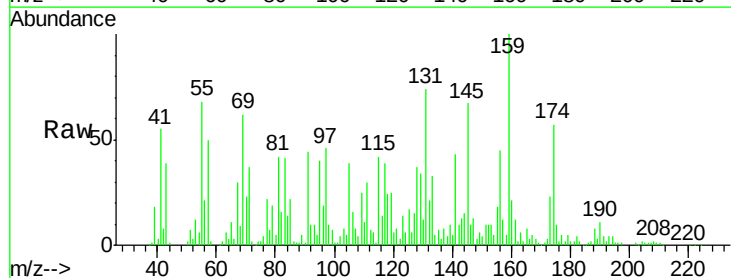
Instrument :  
BNA\_F  
ClientSampleId :  
PE-A-1

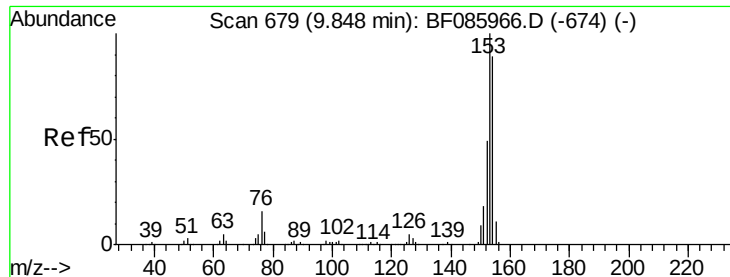
Tgt Ion:163 Resp: 40472  
Ion Ratio Lower Upper  
163 100  
194 40.0 2.9 4.3#  
164 24.2 8.3 12.5#



#50  
2,6-Dinitrotoluene  
Concen: 9.72 ng  
RT: 9.44 min Scan# 643  
Delta R.T. -0.17 min  
Lab File: BF086193.D  
Acq: 9 Apr 2016 2:58

Tgt Ion:165 Resp: 15684  
Ion Ratio Lower Upper  
165 100  
63 75.2 51.8 77.8  
89 55.6 53.7 80.5





#51

Acenaphthene

Concen: 54.26 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

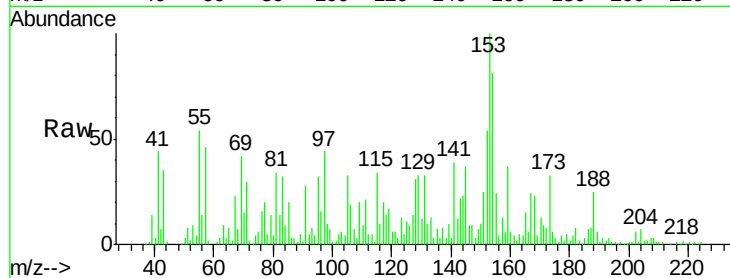
Tgt Ion:154 Resp: 332598

Ion Ratio Lower Upper

154 100

153 123.8 90.1 135.1

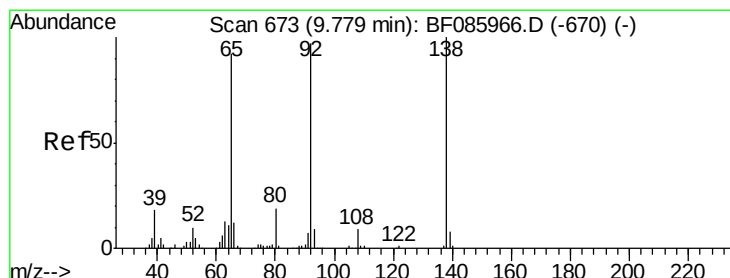
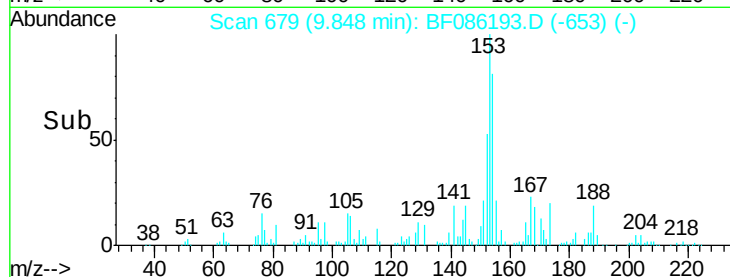
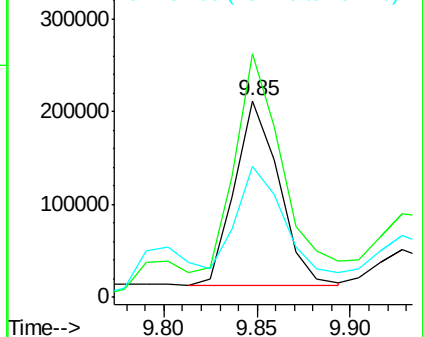
152 66.9 44.2 66.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.76 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

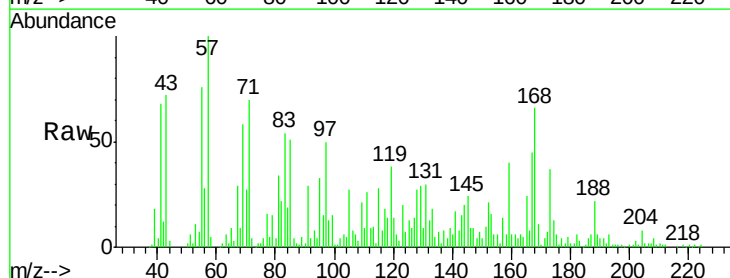
Tgt Ion:138 Resp: 11206

Ion Ratio Lower Upper

138 100

108 77.7 8.7 13.1#

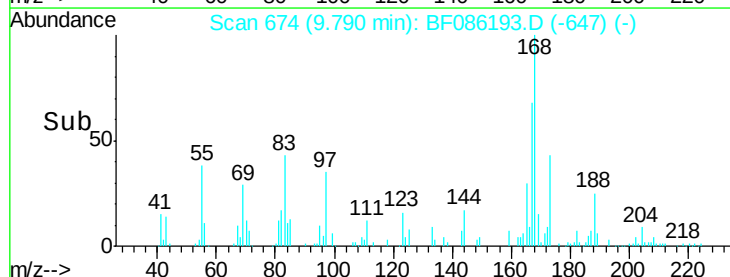
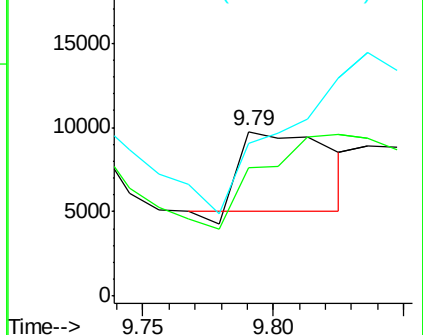
92 92.8 93.3 139.9#

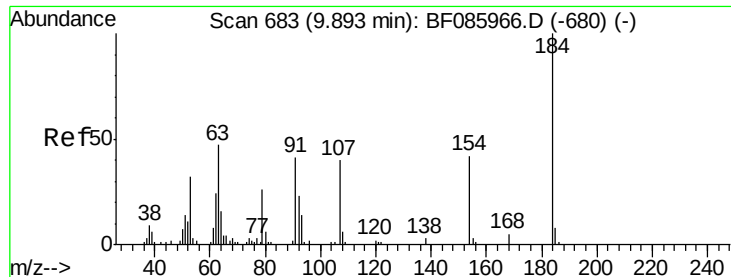


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

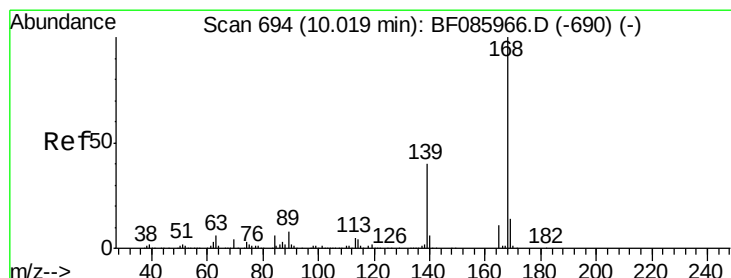
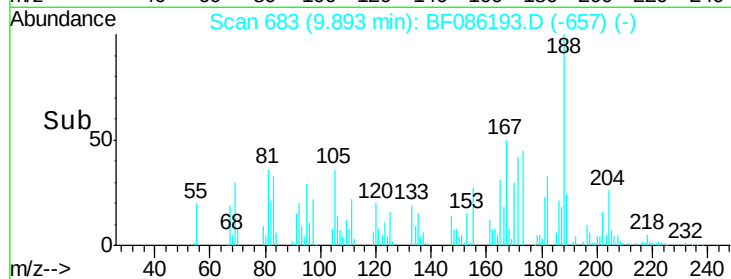
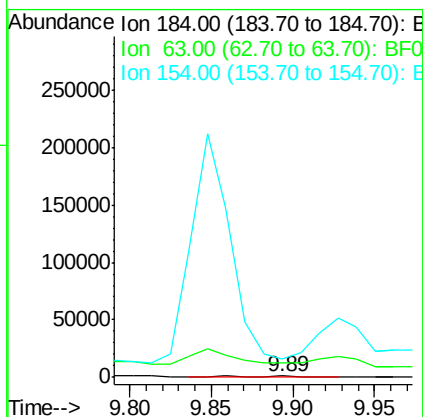
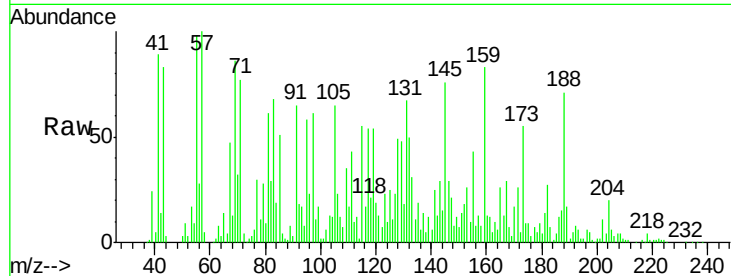




#53  
 2,4-Dinitrophenol  
 Concen: 5.48 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

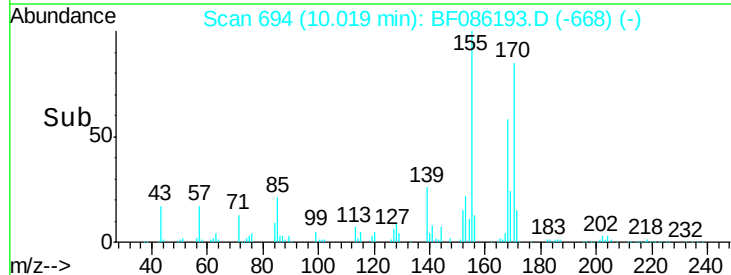
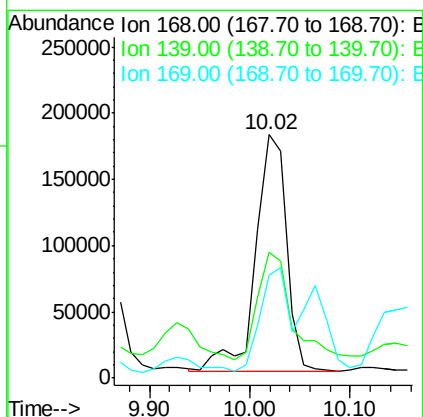
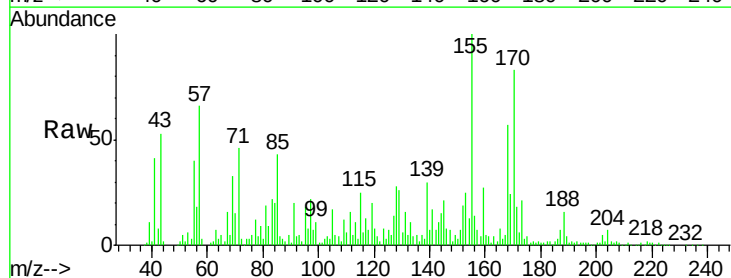
Instrument :  
 BNA\_F  
 ClientSampled :  
 PE-A-1

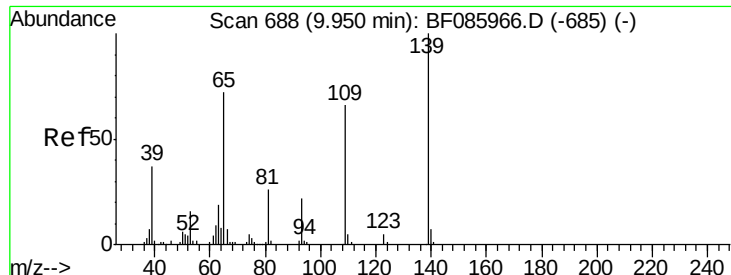
Tgt Ion:184 Resp: 2062  
 Ion Ratio Lower Upper  
 184 100  
 63 1019.7 69.5 104.3#  
 154 1312.8 58.3 87.5#



#54  
 Dibenzofuran  
 Concen: 47.78 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:168 Resp: 386735  
 Ion Ratio Lower Upper  
 168 100  
 139 51.6 31.9 47.9#  
 169 42.2 11.0 16.6#





#55

4-Nitrophenol

Concen: 73.58 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

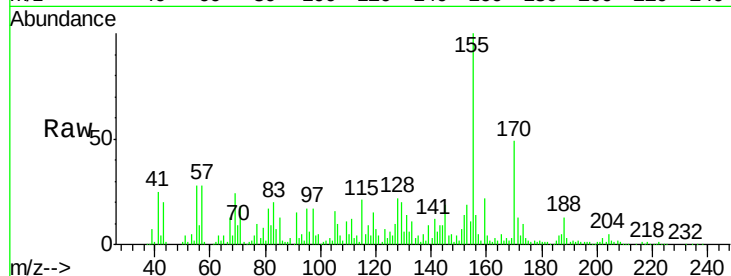
Tgt Ion:139 Resp: 84383

Ion Ratio Lower Upper

139 100

109 120.5 49.2 89.2#

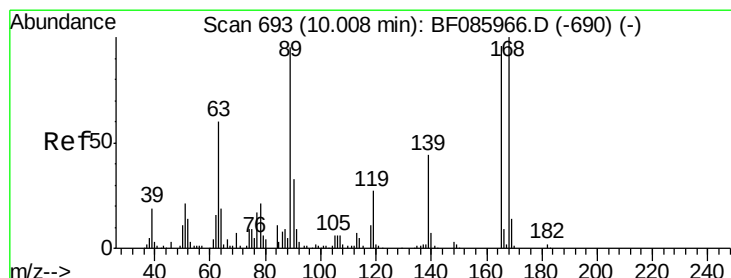
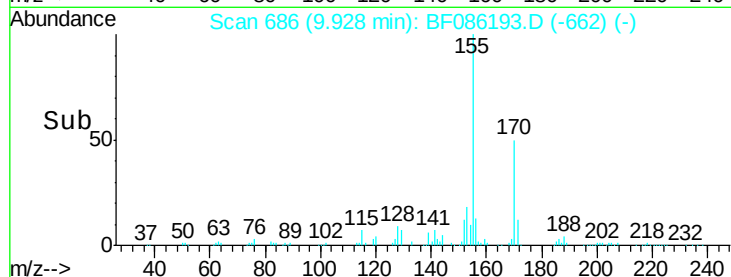
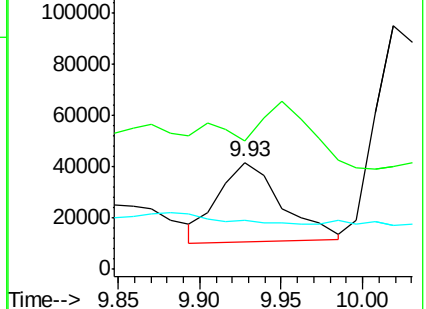
65 46.5 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 22.60 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Tgt Ion:165 Resp: 46103

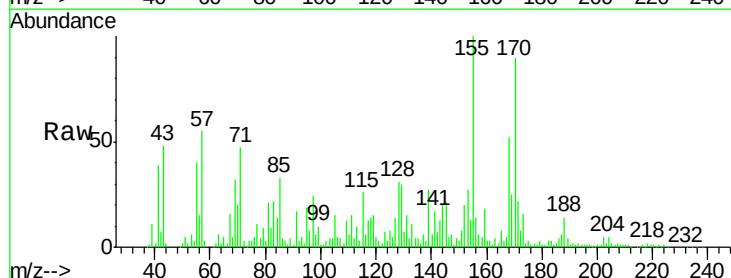
Ion Ratio Lower Upper

165 100

63 73.5 24.9 37.3#

89 51.3 41.0 61.6

182 35.7 2.1 3.1#

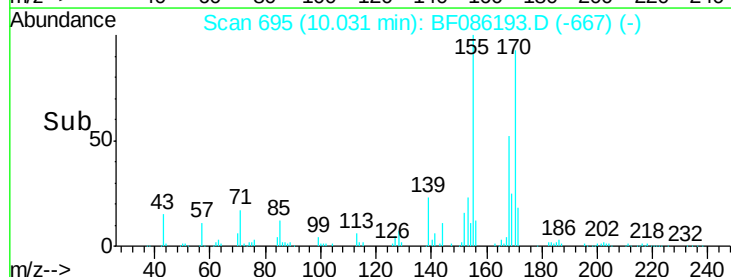
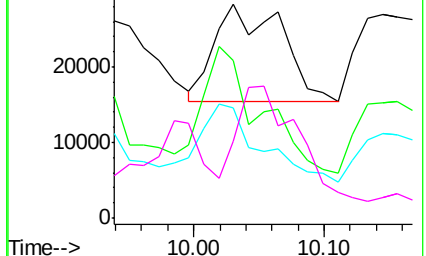


Abundance Ion 165.00 (164.70 to 165.70): E

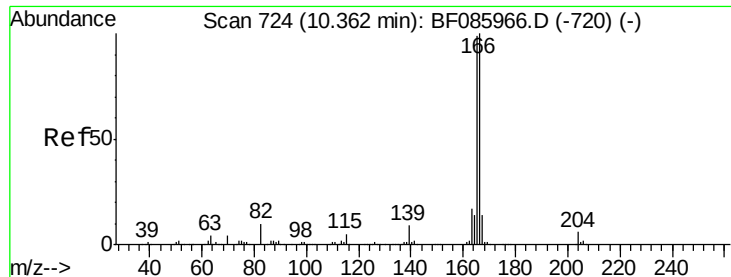
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



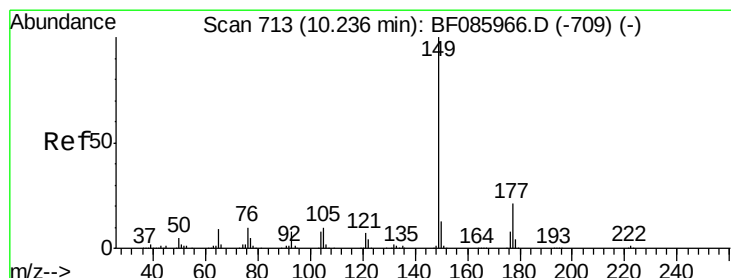
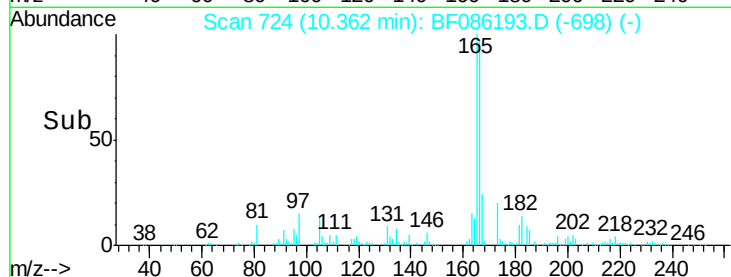
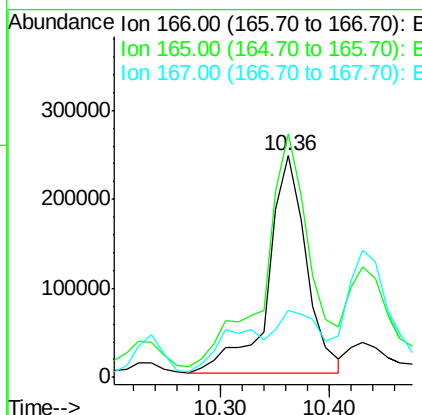
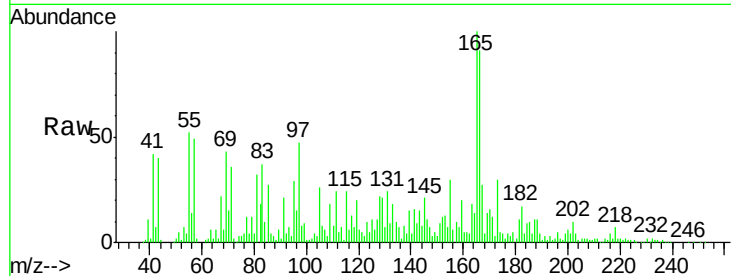




#57  
 Fluorene  
 Concen: 86.13 ng  
 RT: 10.36 min Scan# 724  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

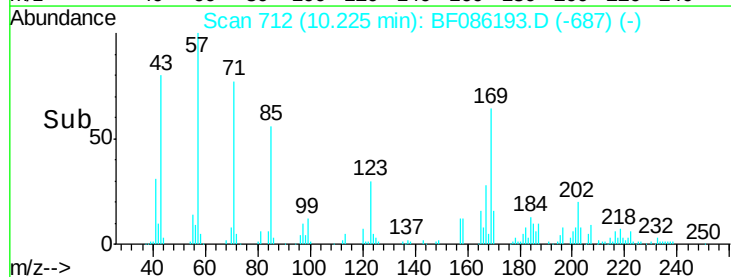
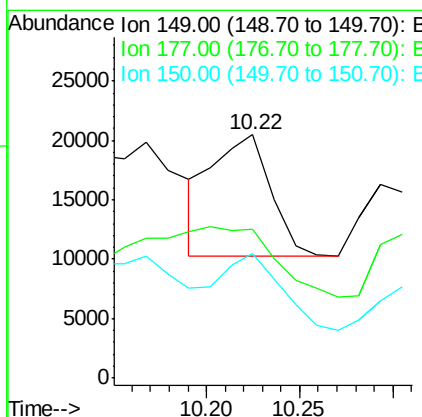
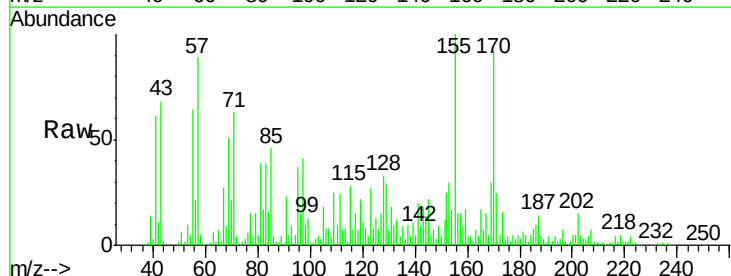
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

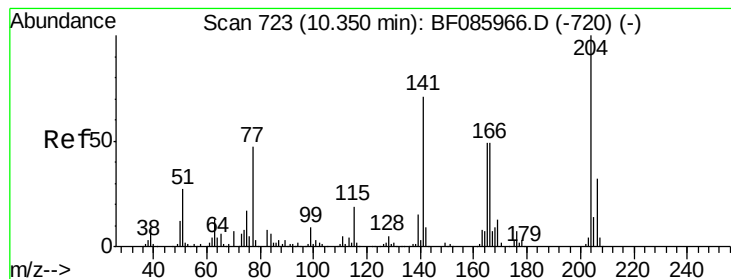
Tgt Ion:166 Resp: 595597  
 Ion Ratio Lower Upper  
 166 100  
 165 109.8 79.4 119.0  
 167 30.1 11.0 16.4#



#59  
 Diethylphthalate  
 Concen: 2.89 ng  
 RT: 10.22 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:149 Resp: 22251  
 Ion Ratio Lower Upper  
 149 100  
 177 60.9 17.9 26.9#  
 150 51.4 10.2 15.2#





#60

4-Chlorophenyl-phenylether

Concen: 2.99 ng

RT: 10.30 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampled :

PE-A-1

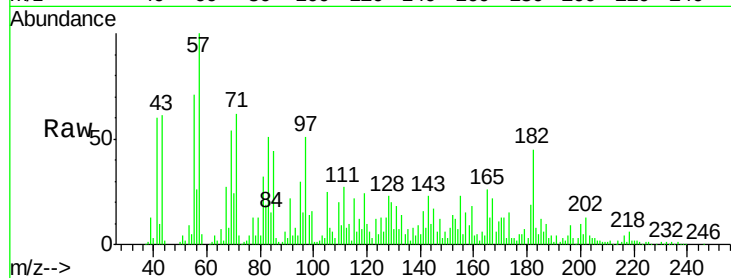
Tgt Ion: 204 Resp: 9629

Ion Ratio Lower Upper

204 100

206 65.2 26.6 39.8#

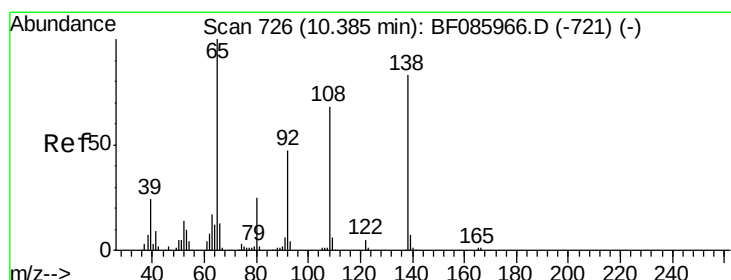
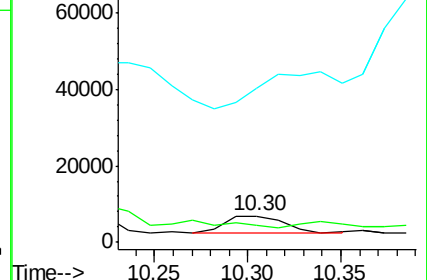
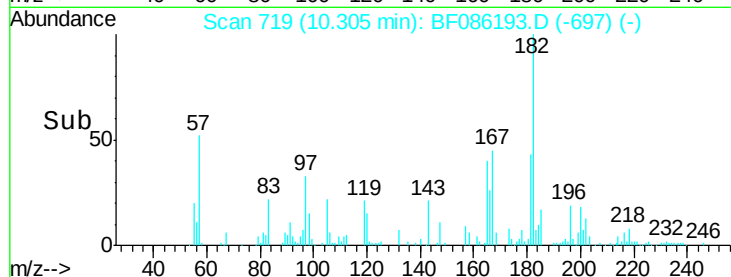
141 581.4 57.4 86.0#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 15.72 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

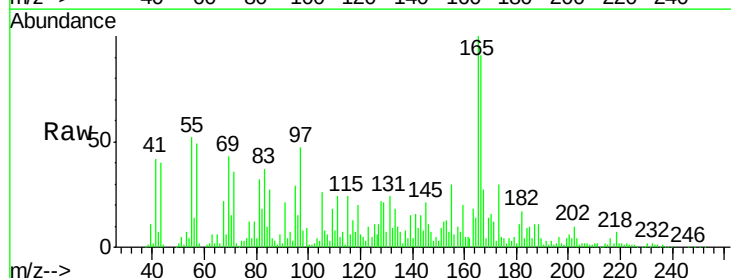
Tgt Ion: 138 Resp: 30124

Ion Ratio Lower Upper

138 100

92 114.6 26.4 66.4#

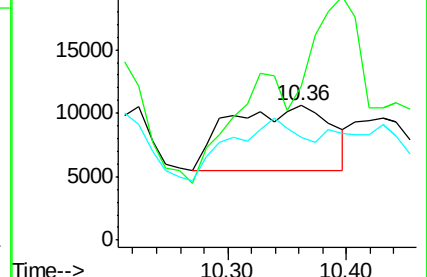
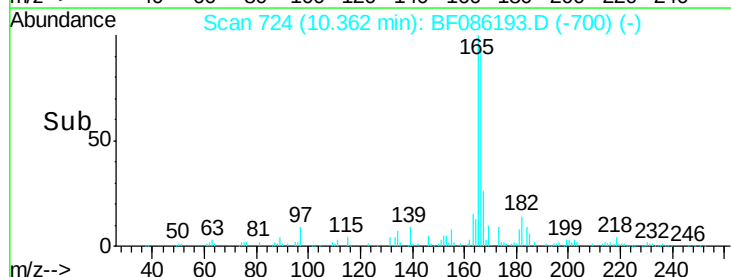
108 76.4 49.0 89.0

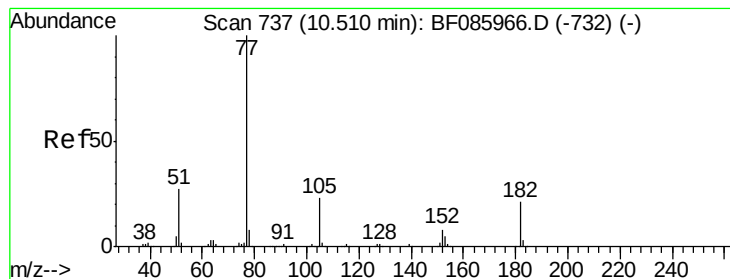


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 3.57 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

Tgt Ion: 77 Resp: 26311

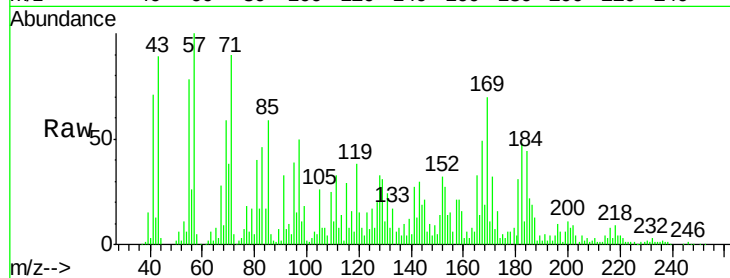
Ion Ratio Lower Upper

77 100

182 259.7 1.9 41.9#

105 140.7 3.5 43.5#

51 32.4 6.3 46.3

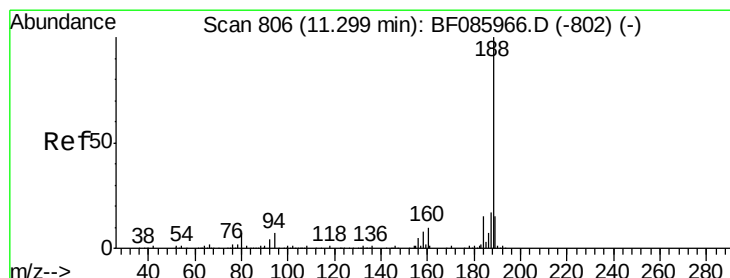
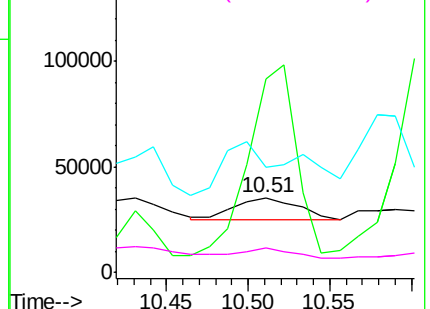
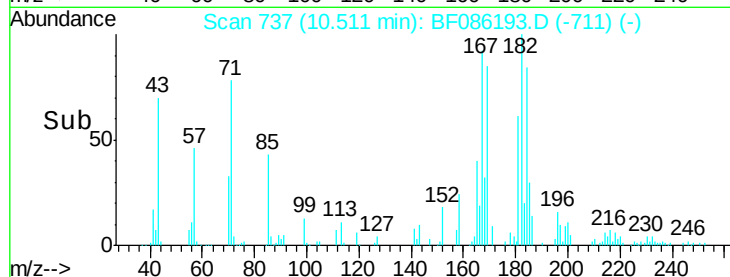


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

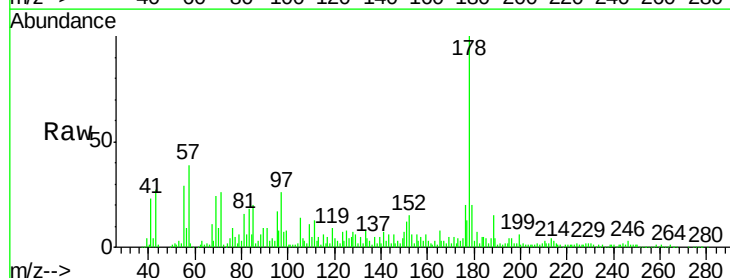
Tgt Ion: 188 Resp: 152666

Ion Ratio Lower Upper

188 100

94 19.6 5.4 8.0#

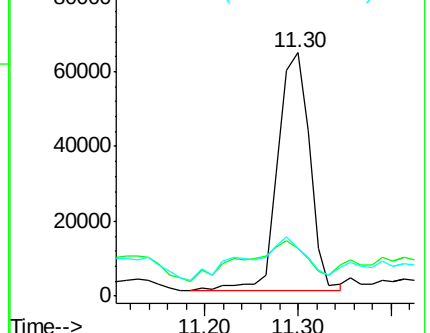
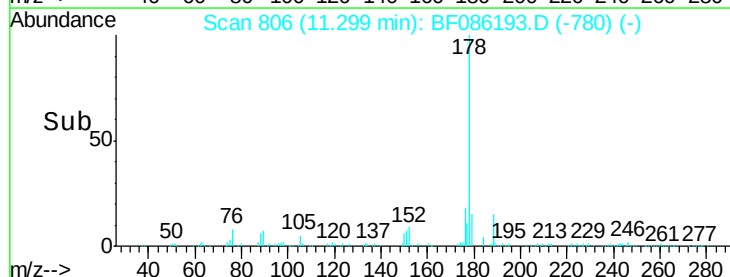
80 19.6 5.5 8.3#

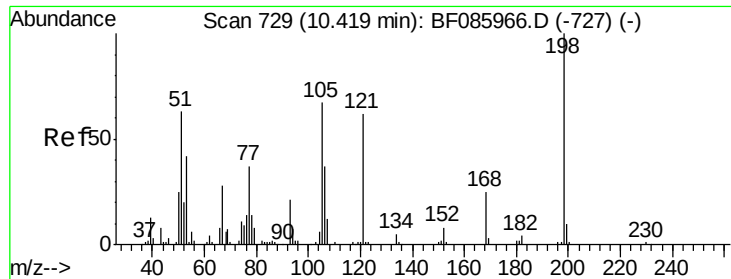


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

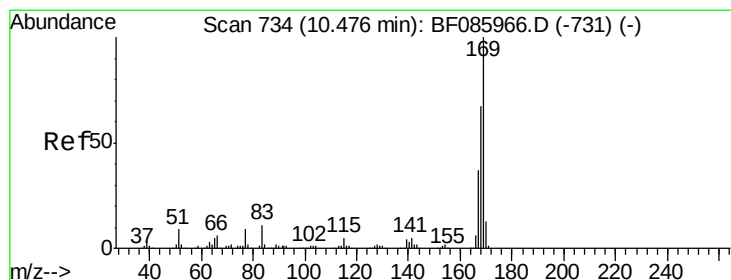
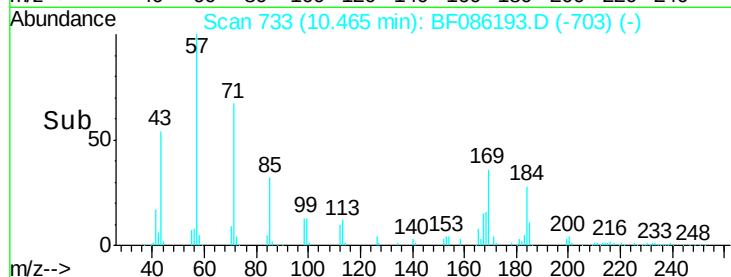
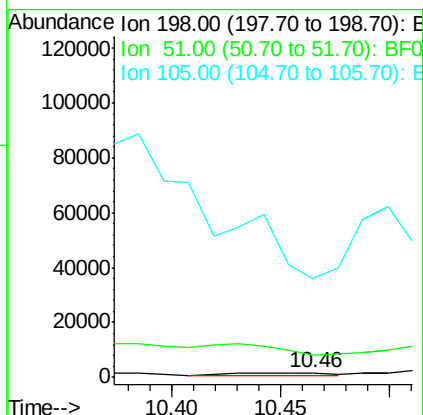
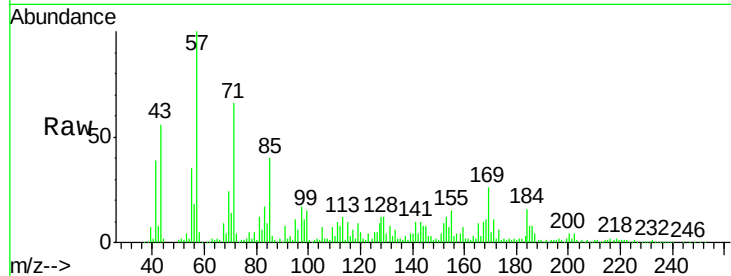




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.78 ng  
 RT: 10.46 min Scan# 733  
 Delta R.T. 0.05 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

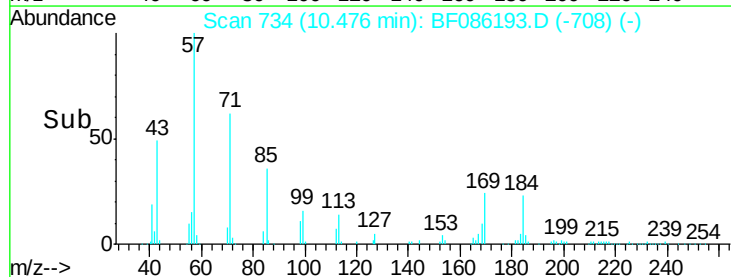
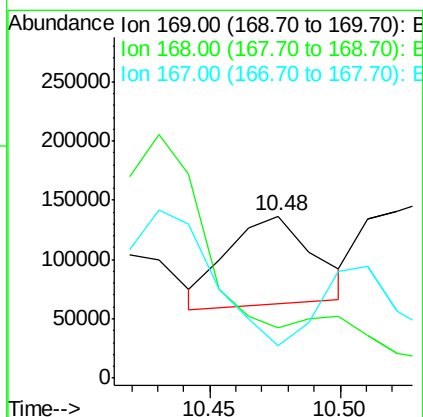
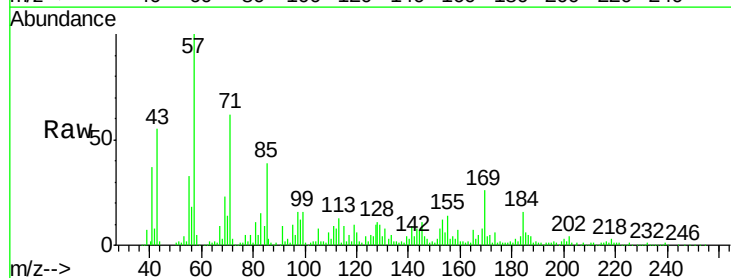
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

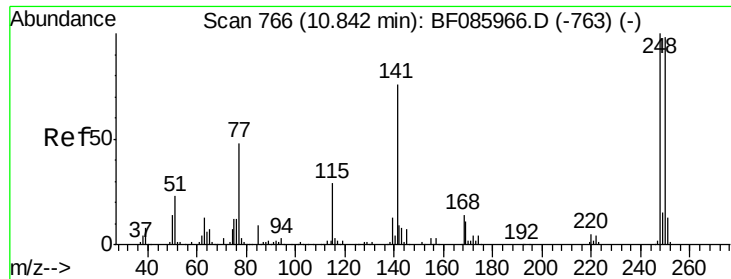
Tgt Ion:198 Resp: 2571  
 Ion Ratio Lower Upper  
 198 100  
 51 498.0 45.4 85.4#  
 105 2201.9 45.9 85.9#



#65  
 n-Nitrosodiphenylamine  
 Concen: 36.27 ng  
 RT: 10.48 min Scan# 734  
 Delta R.T. 0.00 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:169 Resp: 173146  
 Ion Ratio Lower Upper  
 169 100  
 168 30.7 54.4 81.6#  
 167 20.2 29.4 44.0#

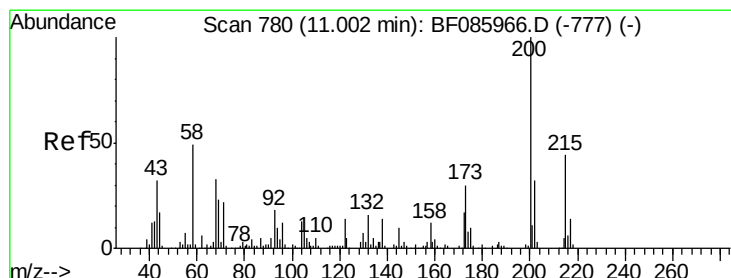
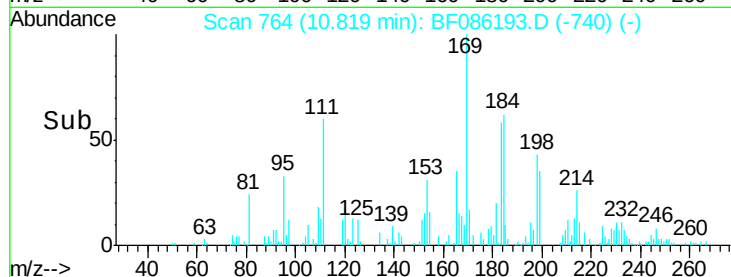
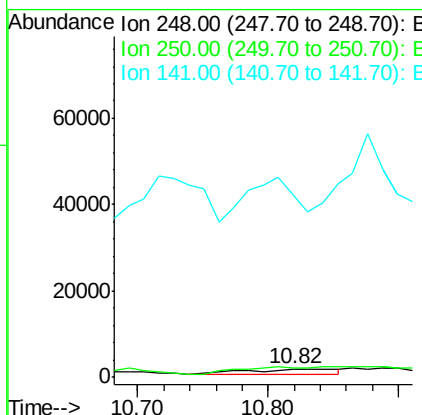
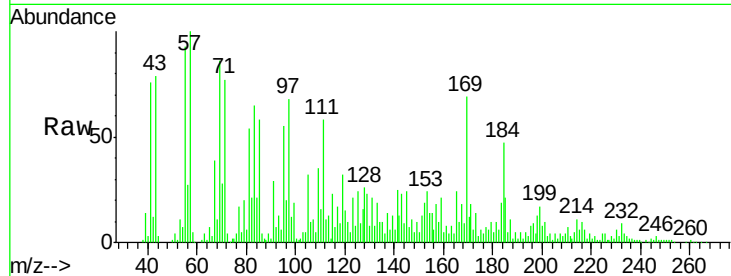




#66  
 4-Bromophenyl-phenylether  
 Concen: 3.89 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.02 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

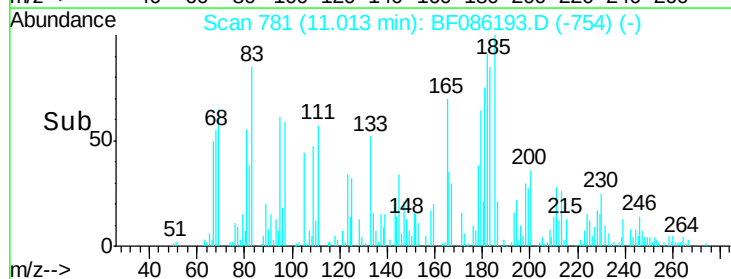
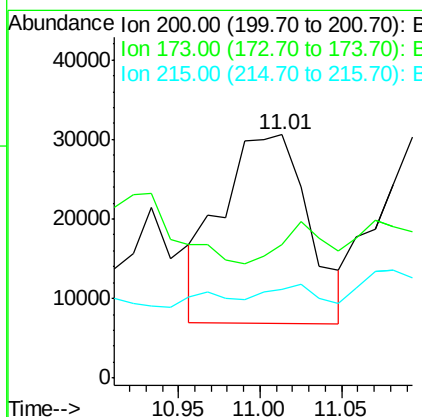
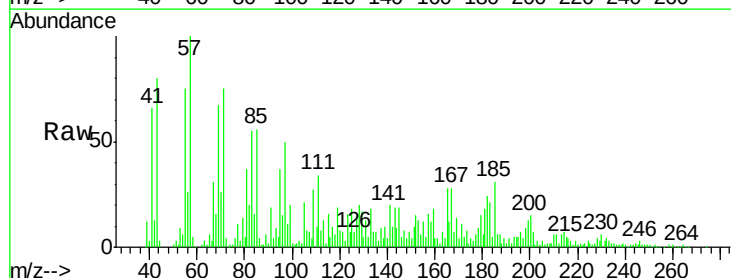
Instrument :  
 BNA\_F  
 ClientSampled :  
 PE-A-1

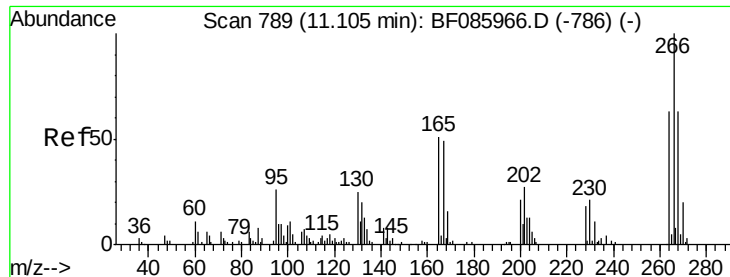
Tgt Ion: 248 Resp: 6057  
 Ion Ratio Lower Upper  
 248 100  
 250 110.9 77.4 116.0  
 141 2152.7 63.6 95.4#



#68  
 Atrazine  
 Concen: 56.55 ng  
 RT: 11.01 min Scan# 781  
 Delta R.T. 0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion: 200 Resp: 87232  
 Ion Ratio Lower Upper  
 200 100  
 173 54.6 7.7 47.7#  
 215 36.3 25.4 65.4

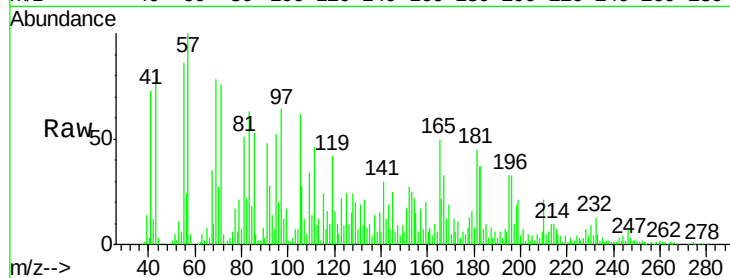




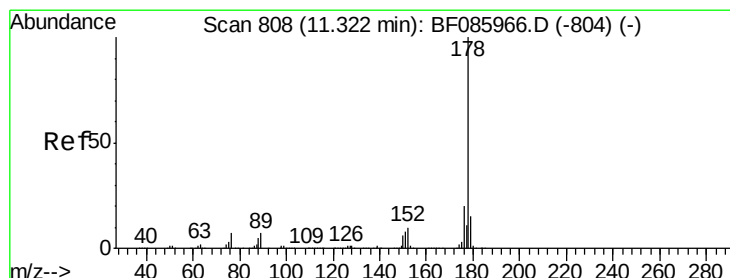
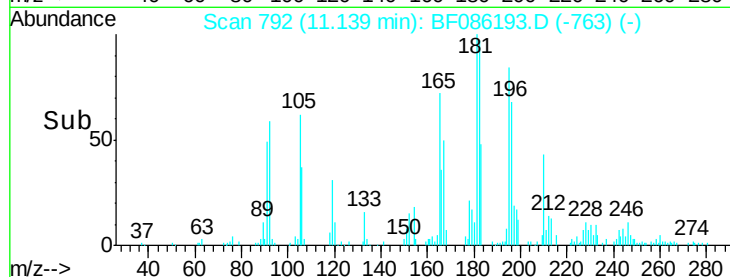
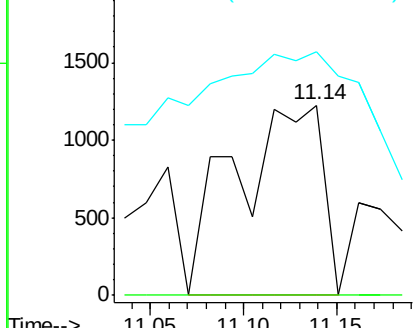
#69  
 Pentachlorophenol  
 Concen: 5.30 ng  
 RT: 11.14 min Scan# 792  
 Delta R.T. 0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

Tgt Ion:266 Resp: 4005  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 51.5 77.3#  
 264 128.0 50.6 76.0#

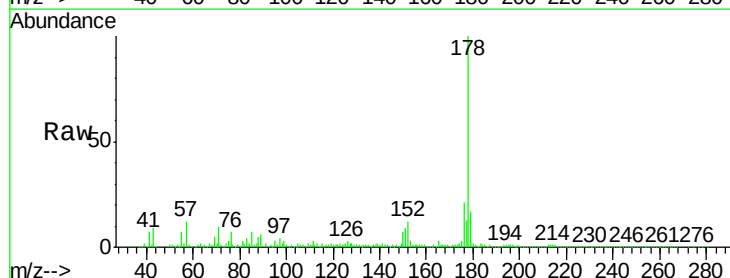


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

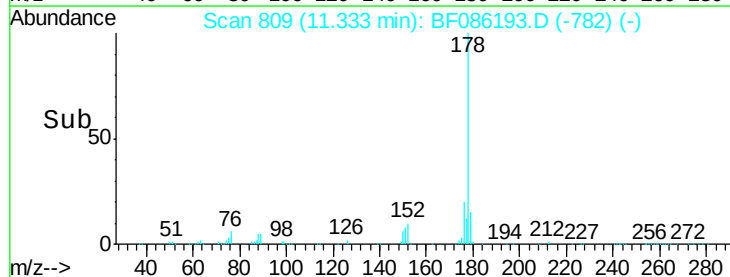
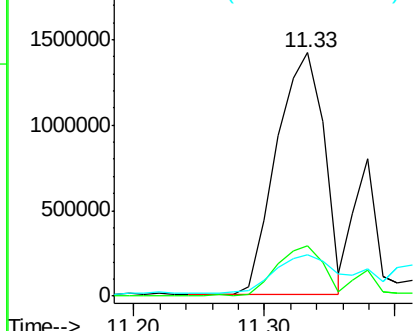


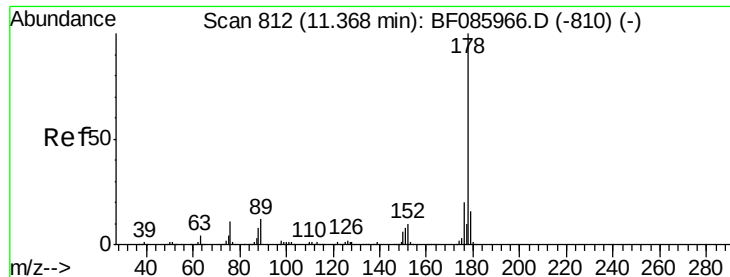
#70  
 Phenanthrene  
 Concen: 429.21 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. 0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:178 Resp: 3574693  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 16.3 24.5  
 179 17.1 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

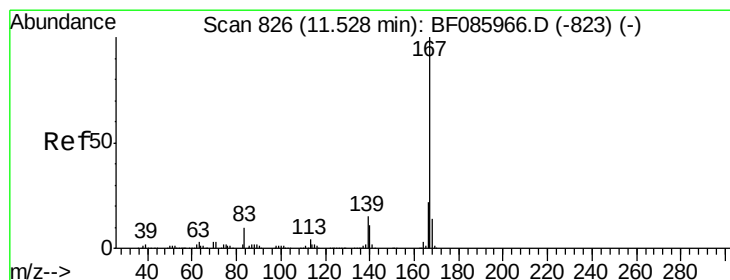
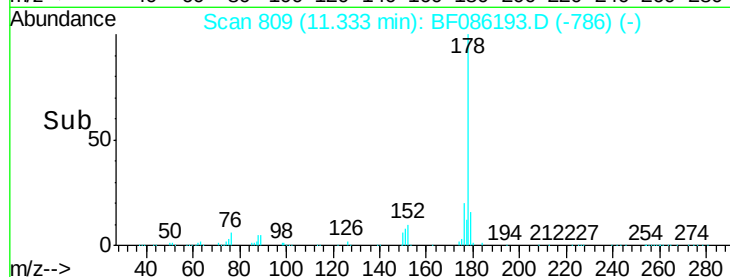
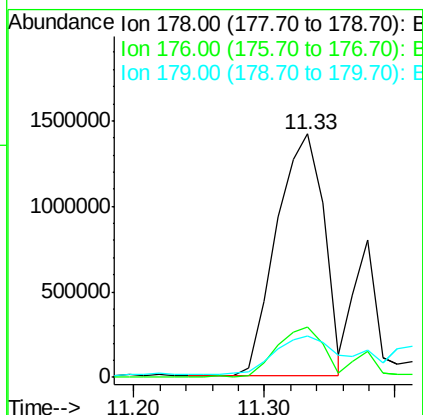
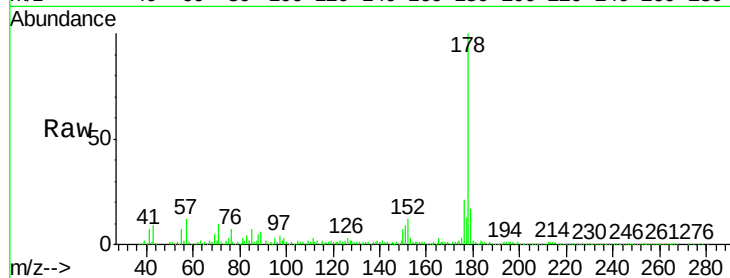




#71  
 Anthracene  
 Concen: 409.73 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

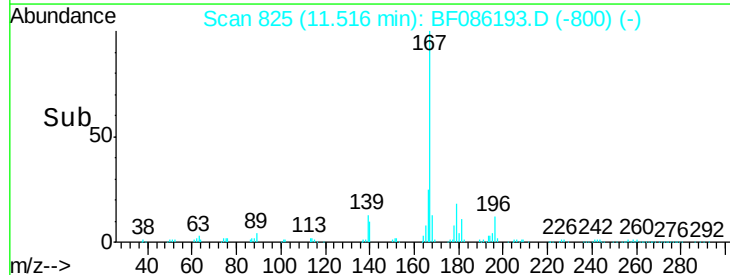
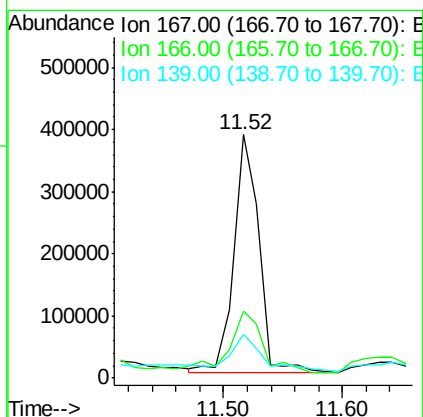
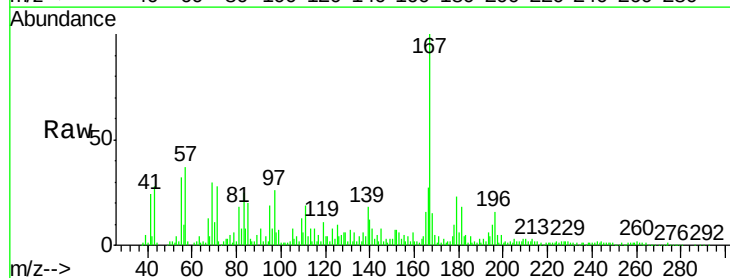
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-A-1

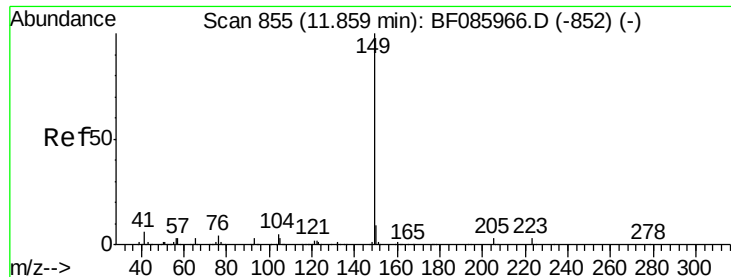
Tgt Ion:178 Resp: 3574693  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 15.9 23.9  
 179 17.1 13.0 19.4



#72  
 Carbazole  
 Concen: 74.76 ng  
 RT: 11.52 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

Tgt Ion:167 Resp: 560670  
 Ion Ratio Lower Upper  
 167 100  
 166 27.5 17.8 26.8#  
 139 18.0 11.6 17.4#





#73

Di-n-butylphthalate

Concen: 3.07 ng

RT: 11.93 min Scan# 861

Delta R.T. 0.07 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

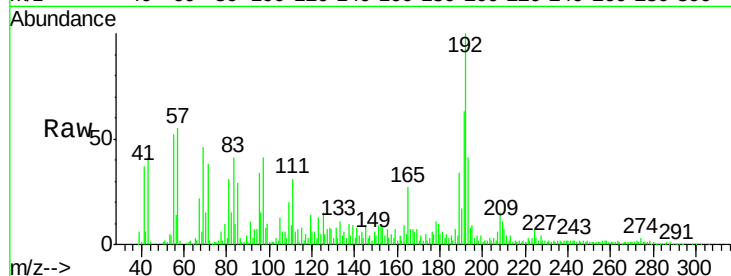
Tgt Ion:149 Resp: 28570

Ion Ratio Lower Upper

149 100

150 75.1 7.6 11.4#

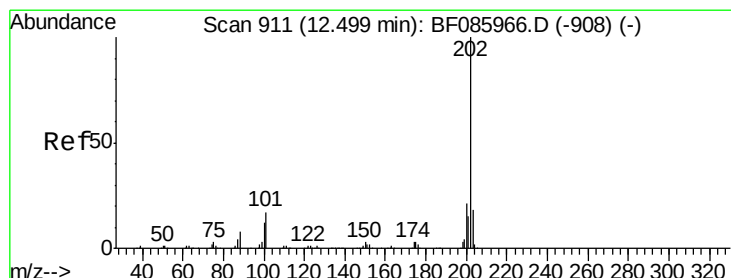
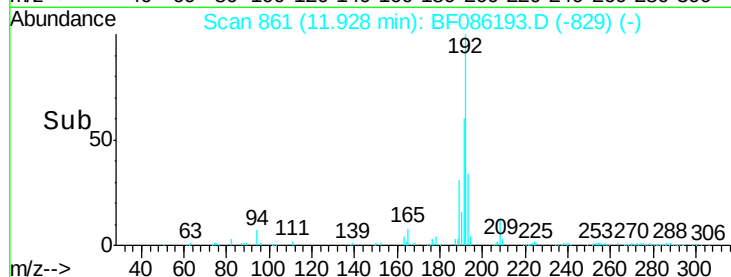
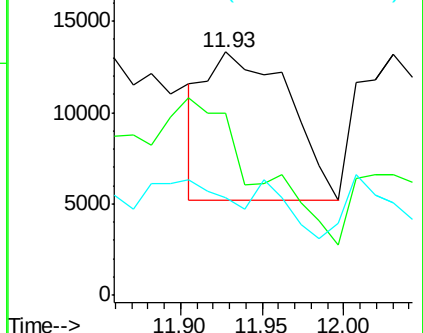
104 40.1 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 404.76 ng

RT: 12.51 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

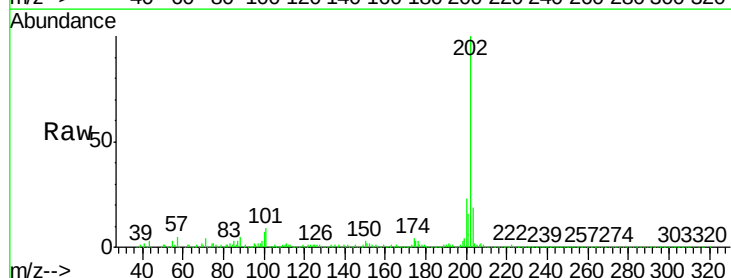
Tgt Ion:202 Resp: 3506289

Ion Ratio Lower Upper

202 100

101 9.4 0.0 36.6

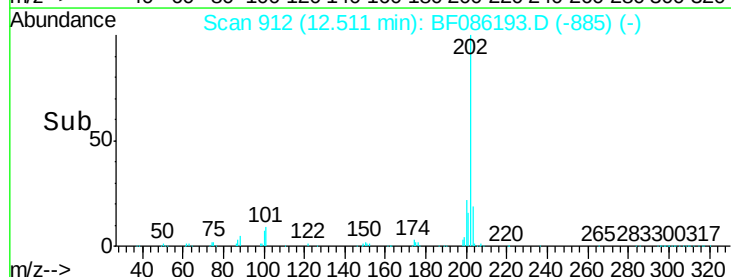
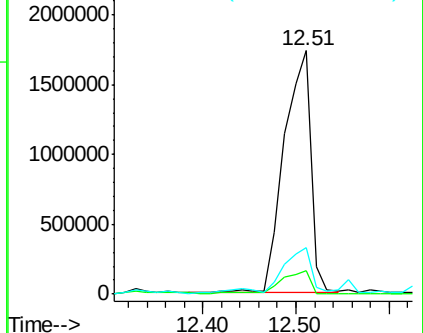
203 18.9 0.0 38.1



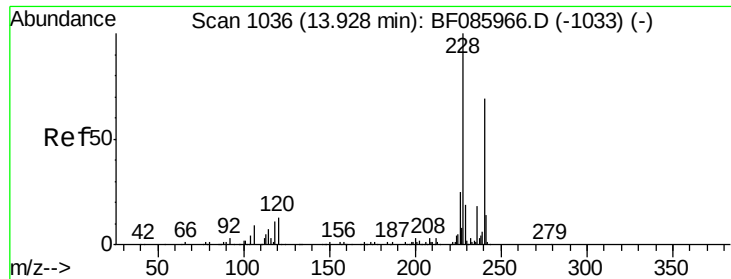
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

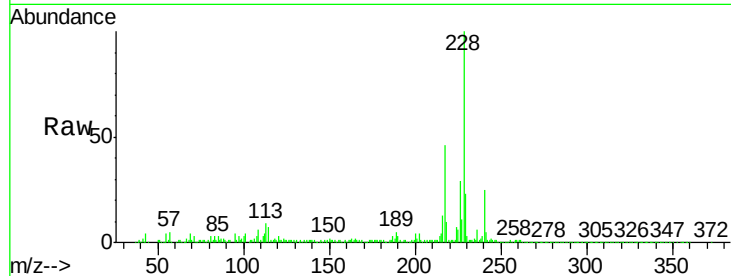
Tgt Ion:240 Resp: 200307

Ion Ratio Lower Upper

240 100

120 11.0 13.8 20.8#

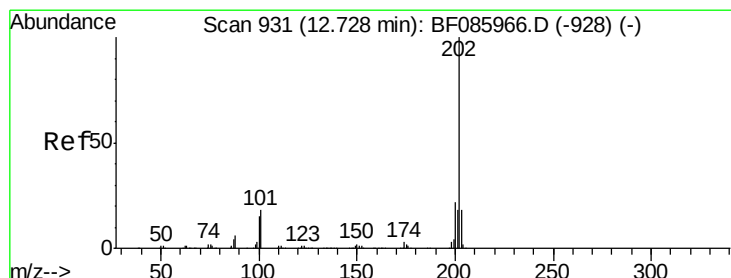
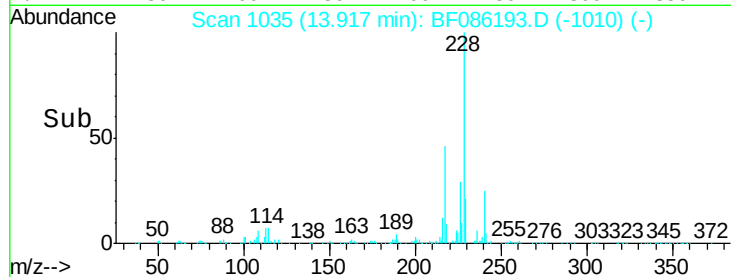
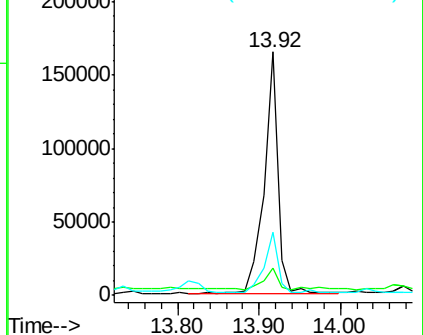
236 26.1 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 208.07 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

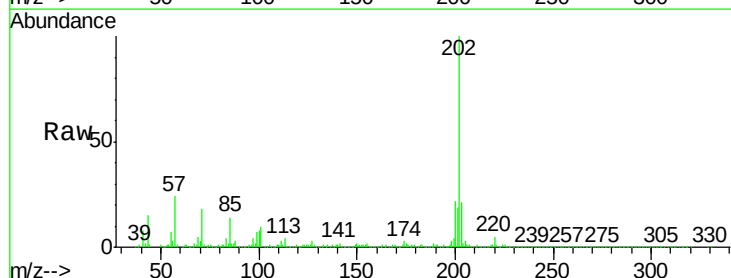
Tgt Ion:202 Resp: 2936958

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

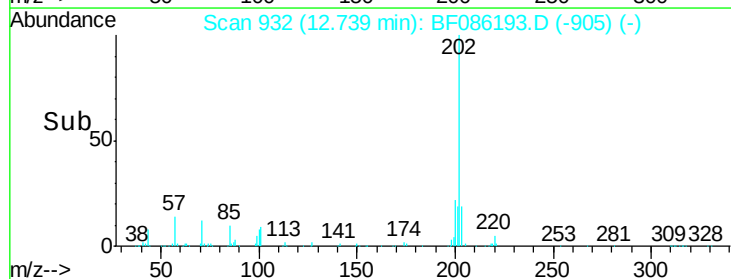
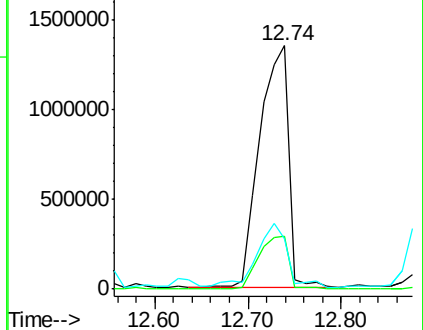
203 20.6 14.0 21.0

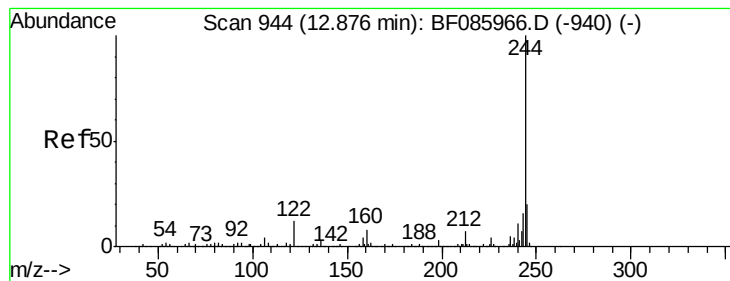


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.53 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

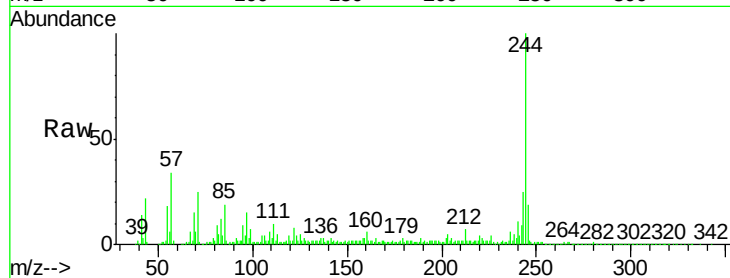
Tgt Ion:244 Resp: 498731

Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

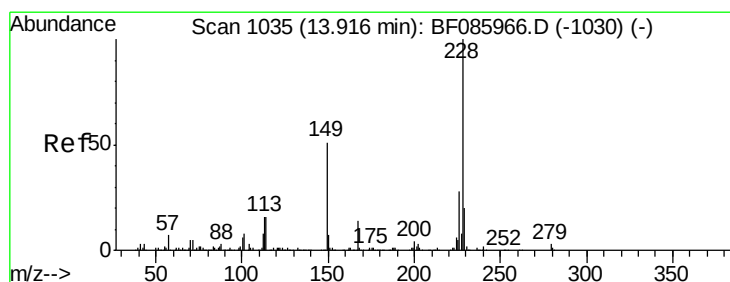
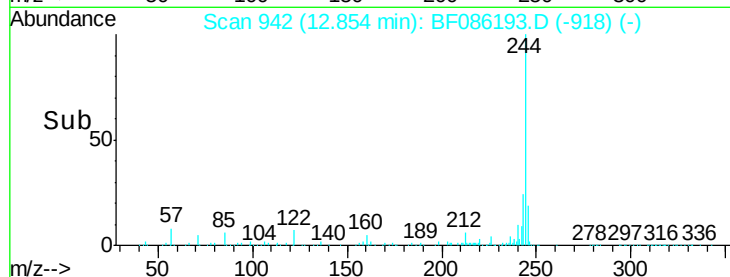
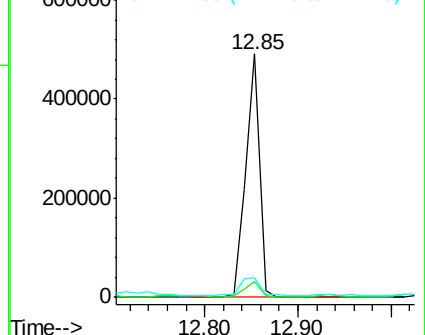
122 8.0 10.2 15.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 207.95 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

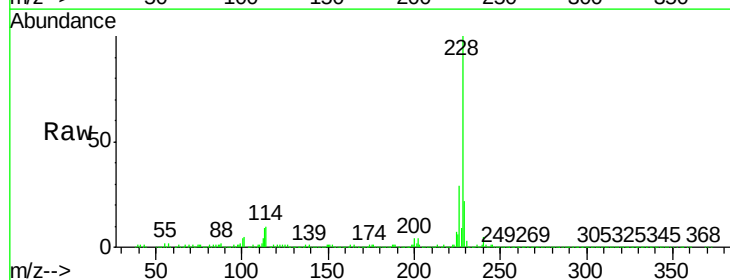
Tgt Ion:228 Resp: 2455305

Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

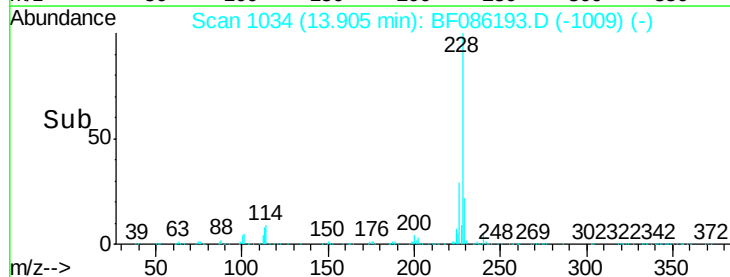
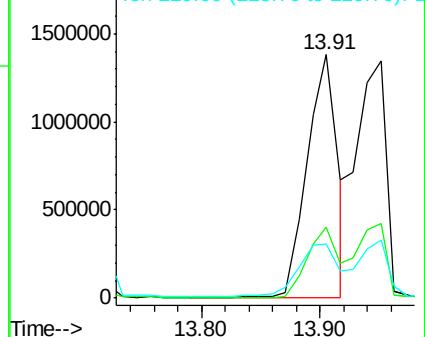
229 22.1 16.2 24.4

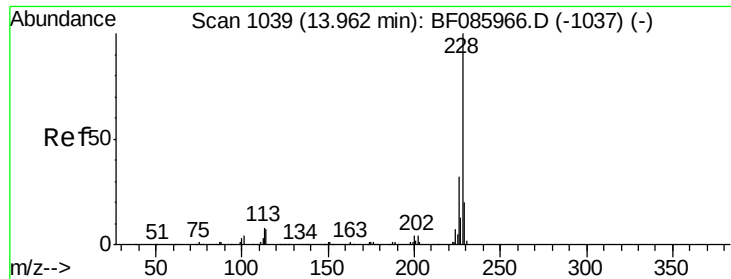


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 215.88 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

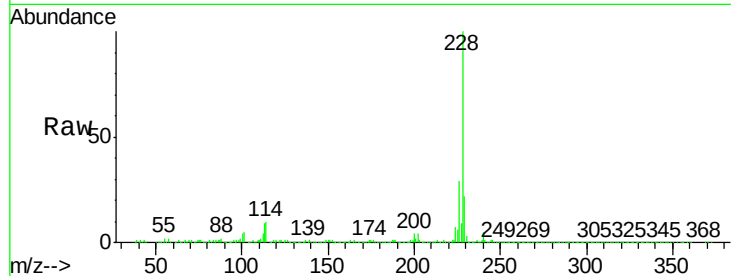
Tgt Ion:228 Resp: 2455305

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

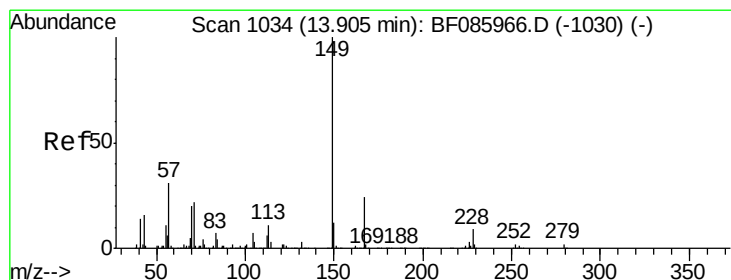
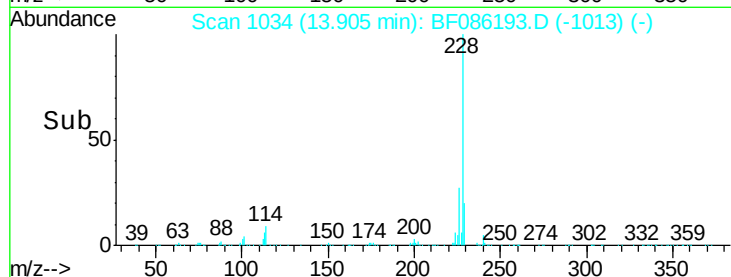
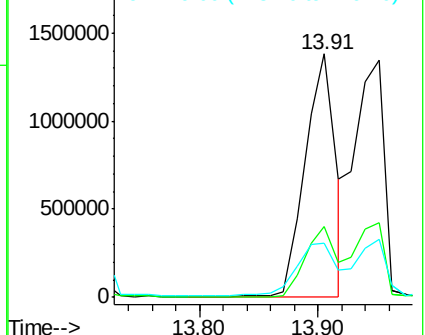
229 22.1 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.70 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

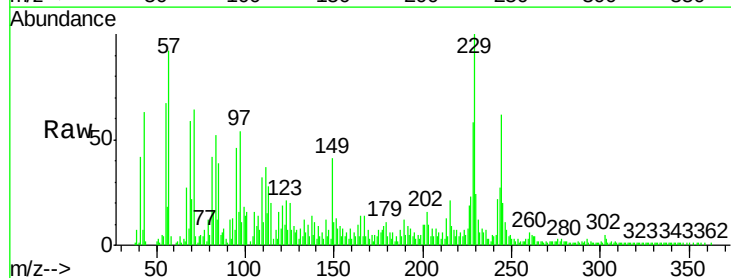
Tgt Ion:149 Resp: 31175

Ion Ratio Lower Upper

149 100

167 33.1 19.4 29.2#

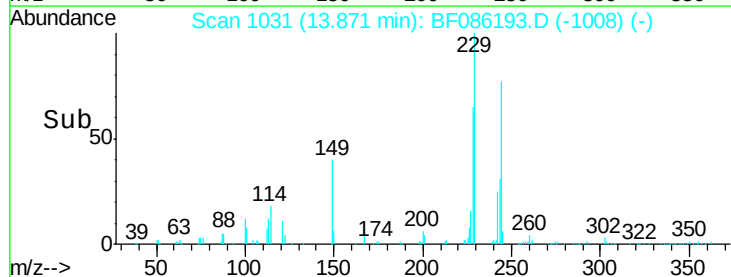
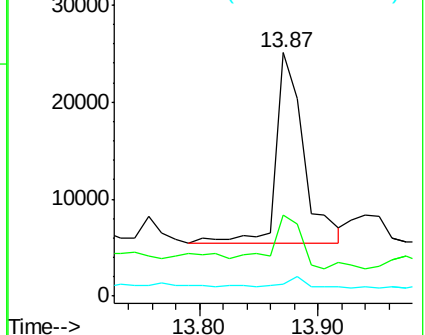
279 5.1 1.5 2.3#

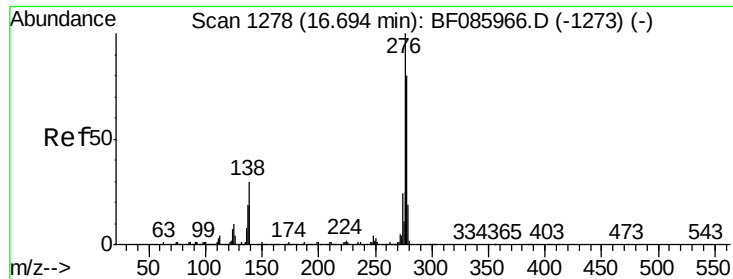


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

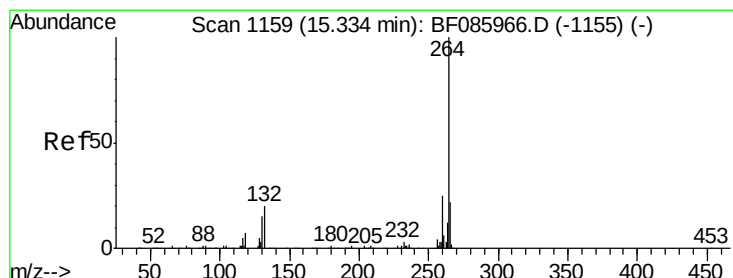
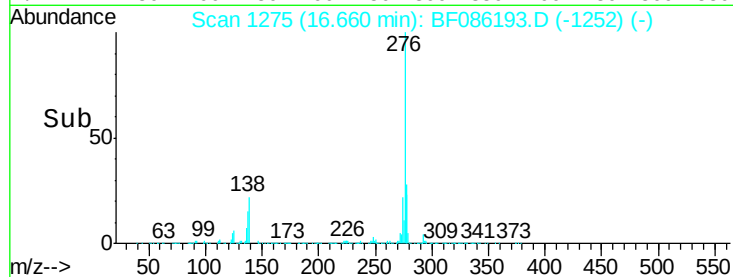
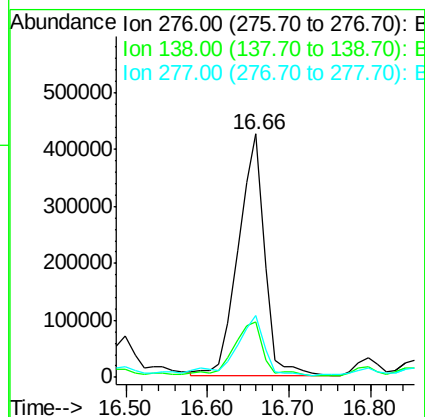
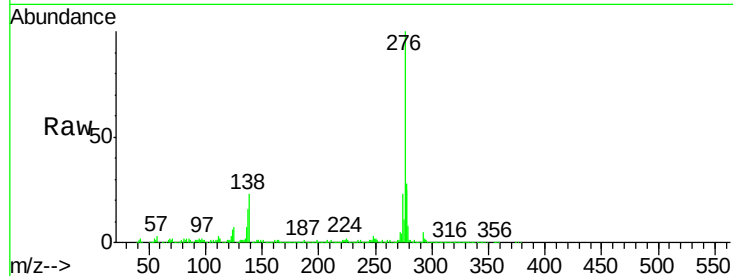




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 101.57 ng  
 RT: 16.66 min Scan# 1275  
 Delta R.T. -0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

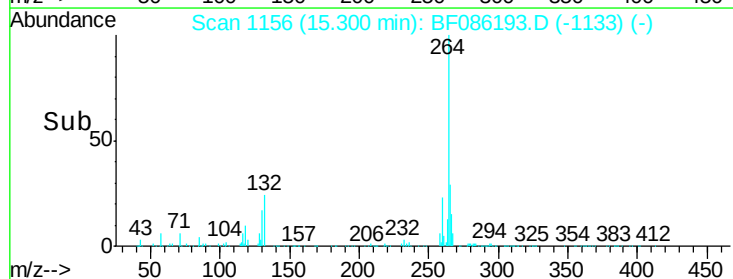
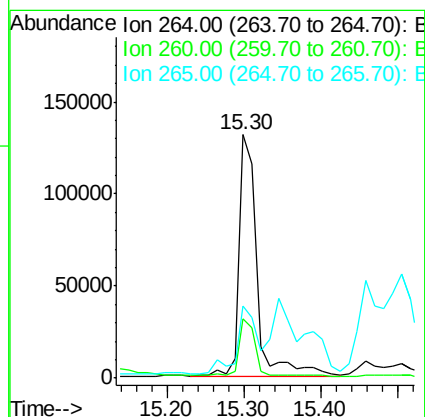
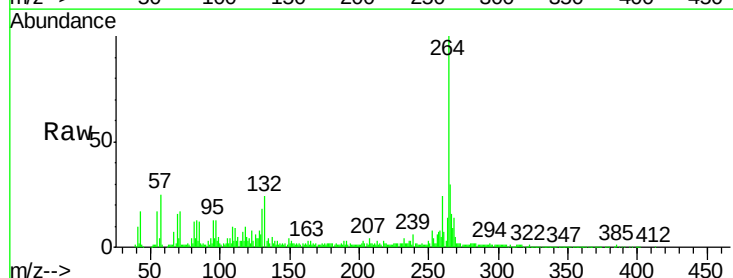
Instrument :  
 BNA\_F  
 ClientSampled :  
 PE-A-1

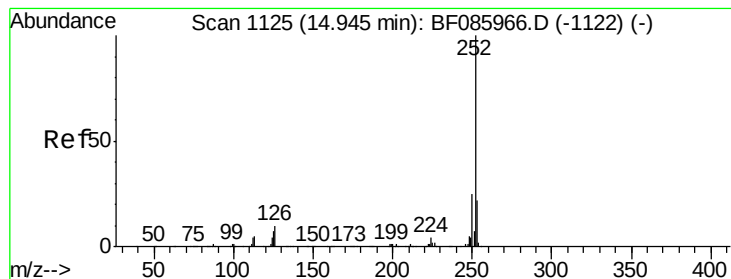
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.2  | 24.2  | 36.4  |
| 277     | 27.0  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.03 min  
 Lab File: BF086193.D  
 Acq: 9 Apr 2016 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.4  | 29.2  |
| 265     | 29.8  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 236.69 ng

RT: 14.92 min Scan# 1123

Delta R.T. -0.02 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

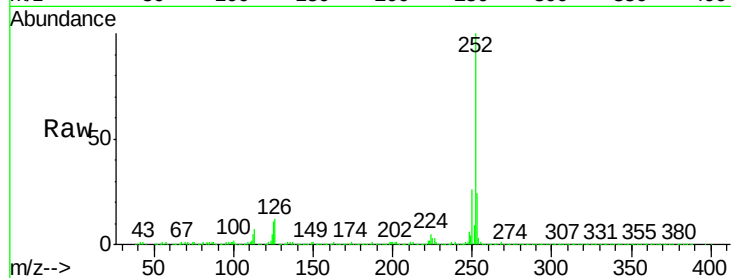
Tgt Ion:252 Resp: 3213927

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

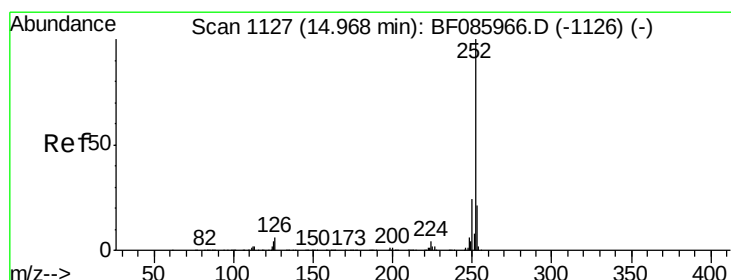
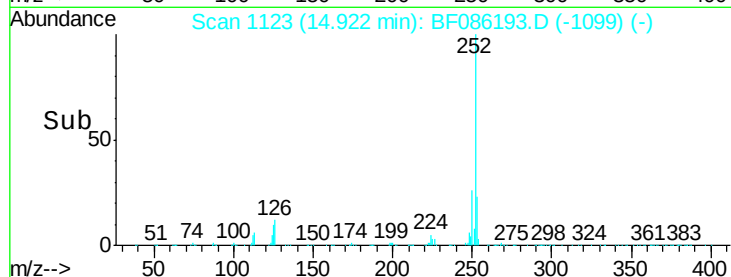
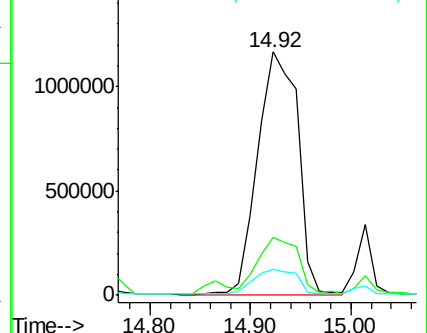
125 10.9 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 267.29 ng

RT: 14.92 min Scan# 1123

Delta R.T. -0.05 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

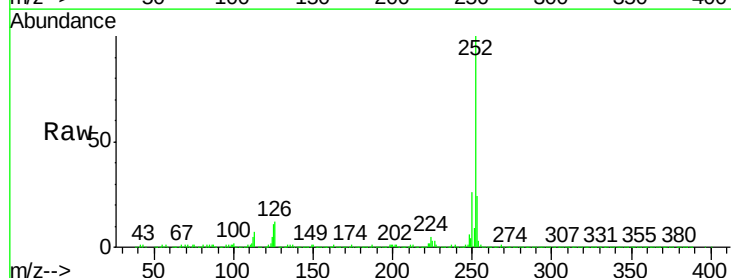
Tgt Ion:252 Resp: 3213927

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

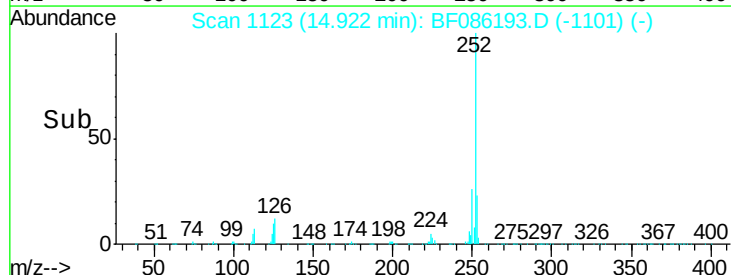
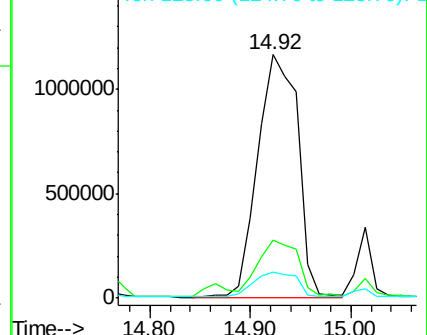
125 10.9 7.7 11.5

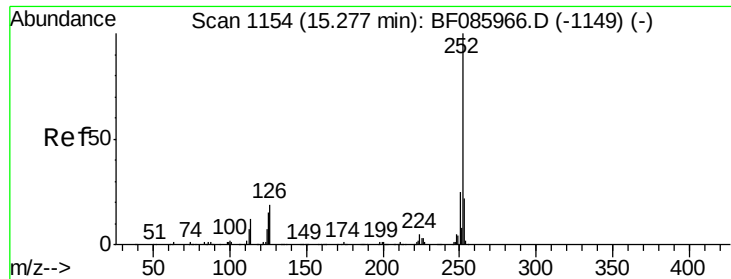


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 95.08 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.08 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

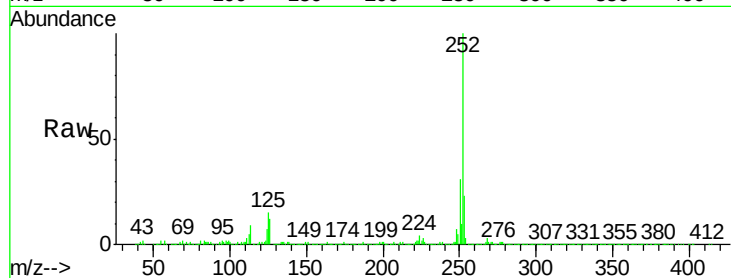
Tgt Ion:252 Resp: 1143884

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

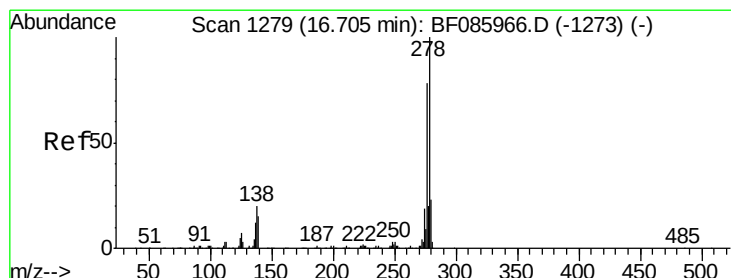
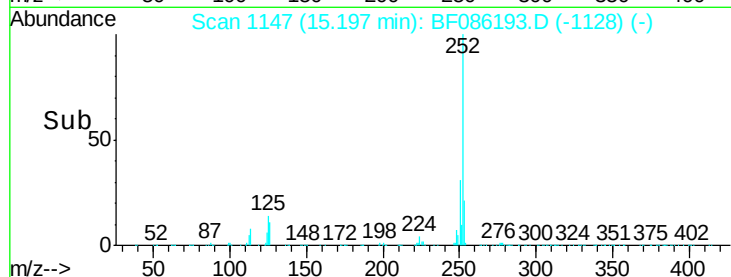
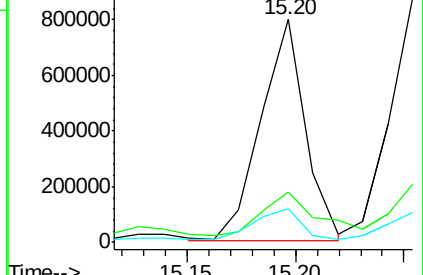
125 15.0 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 32.11 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.06 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

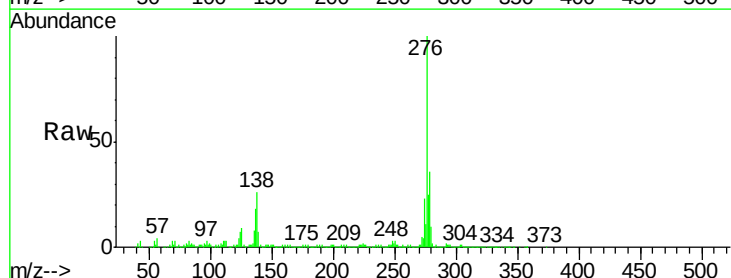
Tgt Ion:278 Resp: 310791

Ion Ratio Lower Upper

278 100

139 19.0 14.4 21.6

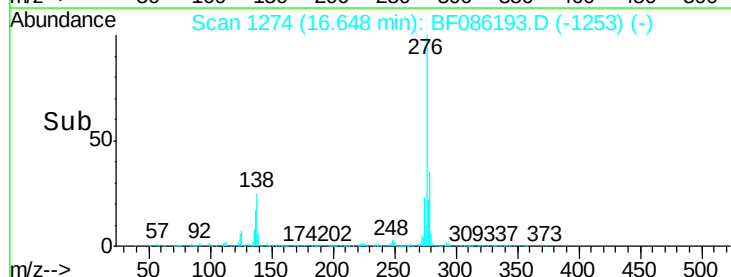
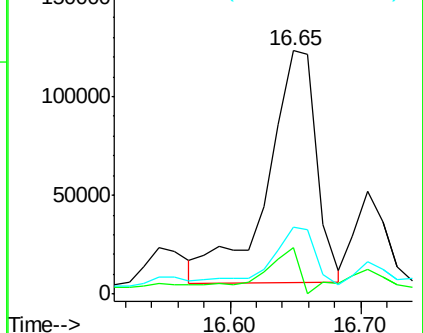
279 27.7 19.1 28.7

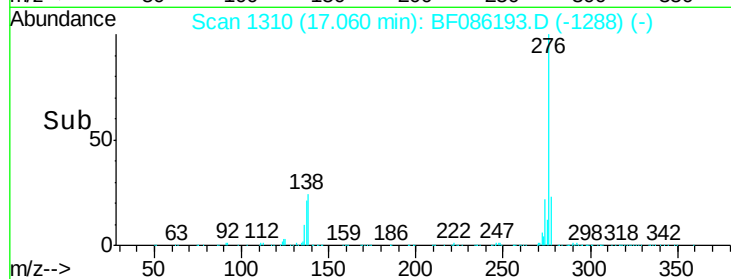
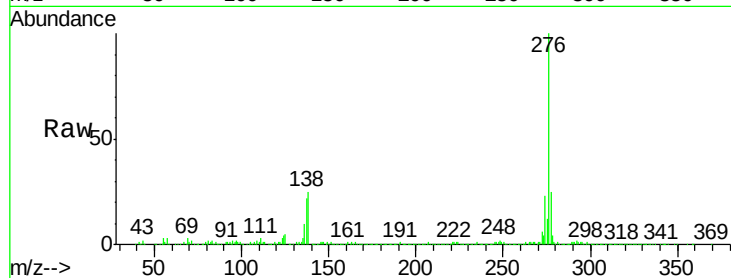
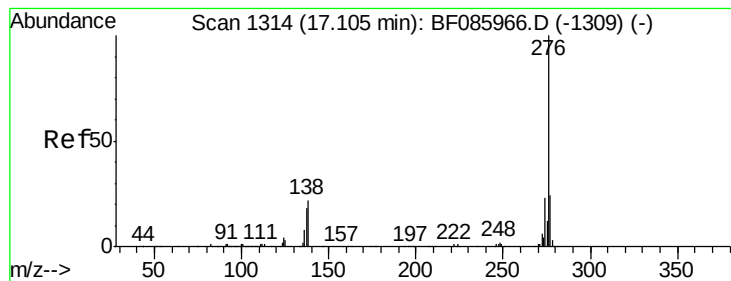


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 86.28 ng

RT: 17.06 min Scan# 1310

Delta R.T. -0.05 min

Lab File: BF086193.D

Acq: 9 Apr 2016 2:58

Instrument :

BNA\_F

ClientSampleId :

PE-A-1

Tgt Ion:276 Resp: 808185

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 25.4 22.6 34.0

