

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042216\  
 Data File : BF086403.D  
 Acq On : 23 Apr 2016 21:21  
 Operator : UM/SJ  
 Sample : H2648-14  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

Quant Time: Apr 25 00:57:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 23 00:24:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 155923   | 20.00 | ng    | 0.01     |
| 21) Naphthalene-d8        | 8.14  | 136  | 178168   | 20.00 | ng    | 0.01     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 159667   | 20.00 | ng    | 0.03     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 264620   | 20.00 | ng    | 0.03     |
| 75) Chrysene-d12          | 14.01 | 240  | 106683   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.43 | 264  | 248411   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 1065944 | 118.06 | ng | 0.02 |
| 7) Phenol-d6             | 6.49  | 99  | 1371029 | 111.70 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 772866  | 256.97 | ng | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 131918  | 91.27  | ng | 0.03 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 781413  | 83.52  | ng | 0.02 |
| 78) Terphenyl-d14        | 12.97 | 244 | 794191  | 184.96 | ng | 0.02 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 9) Benzaldehyde                | 6.37  | 77  | 214047  | 28.71  | ng | # 1    |
| 15) Benzyl Alcohol             | 7.01  | 79  | 34109   | 4.68   | ng | # 24   |
| 17) 2-Methylphenol             | 7.14  | 107 | 25350   | 2.81   | ng | # 1    |
| 18) Hexachloroethane           | 7.36  | 117 | 297585  | 68.41  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70  | 58514   | 7.98   | ng | # 74   |
| 22) Acetophenone               | 7.25  | 105 | 1575903 | 421.62 | ng | # 47   |
| 24) Nitrobenzene               | 7.40  | 77  | 275436  | 85.37  | ng | # 24   |
| 25) Isophorone                 | 7.68  | 82  | 237978  | 40.37  | ng | # 1    |
| 26) 2-Nitrophenol              | 7.78  | 139 | 17584   | 11.03  | ng | # 1    |
| 27) 2,4-Dimethylphenol         | 7.80  | 122 | 17914   | 6.56   | ng | # 1    |
| 28) bis(2-Chloroethoxy)methane | 7.93  | 93  | 71092   | 21.60  | ng | # 1    |
| 29) 2,4-Dichlorophenol         | 7.98  | 162 | 55294   | 24.51  | ng | # 31   |
| 30) 1,2,4-Trichlorobenzene     | 8.08  | 180 | 10143   | 4.14   | ng | # 90   |
| 31) Naphthalene                | 8.18  | 128 | 426411  | 46.98  | ng | # 18   |
| 32) Benzoic acid               | 7.94  | 122 | 20071   | 11.50  | ng | # 1    |
| 33) 4-Chloroaniline            | 8.28  | 127 | 14813   | 4.19   | ng | # 1    |
| 35) Caprolactam                | 8.60  | 113 | 208122  | 257.08 | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.69  | 107 | 31684   | 11.82  | ng | # 44   |
| 37) 2-Methylnaphthalene        | 8.89  | 142 | 1466491 | 280.14 | ng | # 96   |
| 42) 2,4,6-Trichlorophenol      | 9.16  | 196 | 8009    | 2.96   | ng | # 22   |
| 43) 2,4,5-Trichlorophenol      | 9.16  | 196 | 8009    | 2.40   | ng | # 1    |
| 45) 1,1'-Biphenyl              | 9.33  | 154 | 355314  | 28.68  | ng | # 94   |
| 46) 2-Chloronaphthalene        | 9.39  | 162 | 22271   | 2.27   | ng | # 1    |
| 47) 2-Nitroaniline             | 9.40  | 65  | 169797  | 55.62  | ng | # 25   |
| 48) Acenaphthylene             | 9.78  | 152 | 93094   | 5.86   | ng | # 1    |
| 49) Dimethylphthalate          | 9.63  | 163 | 66746   | 5.79   | ng | # 71   |
| 50) 2,6-Dinitrotoluene         | 9.76  | 165 | 68094   | 27.33  | ng | # 89   |
| 51) Acenaphthene               | 9.95  | 154 | 94395   | 9.67   | ng | # 43   |
| 52) 3-Nitroaniline             | 9.84  | 138 | 13356   | 4.28   | ng | # 66   |
| 53) 2,4-Dinitrophenol          | 10.00 | 184 | 7273    | 5.61   | ng | # 1    |
| 54) Dibenzofuran               | 10.12 | 168 | 50598   | 4.03   | ng | # 1    |
| 55) 4-Nitrophenol              | 10.03 | 139 | 115271  | 52.81  | ng | # 62   |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165 | 54146   | 16.37  | ng | # 56   |
| 57) Fluorene                   | 10.46 | 166 | 210658  | 20.50  | ng | # 71   |

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 Acq On : 23 Apr 2016 21:21  
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 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

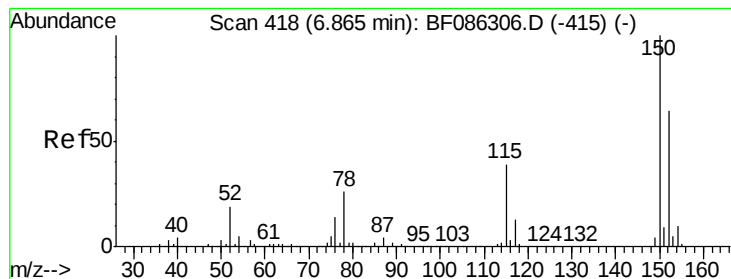
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

Quant Time: Apr 25 00:57:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 23 00:24:02 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 6023     | 2.47    | ng    | # 1      |
| 59) Diethylphthalate           | 10.33 | 149  | 27557    | 2.49    | ng    | # 1      |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204  | 12414    | 2.76    | ng    | # 1      |
| 61) 4-Nitroaniline             | 10.41 | 138  | 15569    | 4.88    | ng    | # 10     |
| 62) Azobenzene                 | 10.61 | 77   | 63532    | 5.55    | ng    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.58 | 169  | 466371   | 57.16   | ng    | # 54     |
| 66) 4-Bromophenyl-phenylether  | 10.96 | 248  | 5419     | 2.09    | ng    | # 1      |
| 68) Atrazine                   | 11.28 | 200  | 22349    | 8.87    | ng    | 73       |
| 70) Phenanthrene               | 11.42 | 178  | 398922   | 30.00   | ng    | # 90     |
| 71) Anthracene                 | 11.52 | 178  | 153103   | 10.05   | ng    | # 1      |
| 72) Carbazole                  | 11.74 | 167  | 113265   | 7.92    | ng    | # 1      |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 4462994  | 296.49  | ng    | # 97     |
| 74) Fluoranthene               | 12.82 | 202  | 116736   | 8.14    | ng    | 80       |
| 77) Pyrene                     | 12.82 | 202  | 116736   | 15.69   | ng    | # 86     |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 10359163 | 2669.12 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.58 | 149  | 23160    | 3.11    | ng    | # 1      |
| -----                          |       |      |          |         |       |          |

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

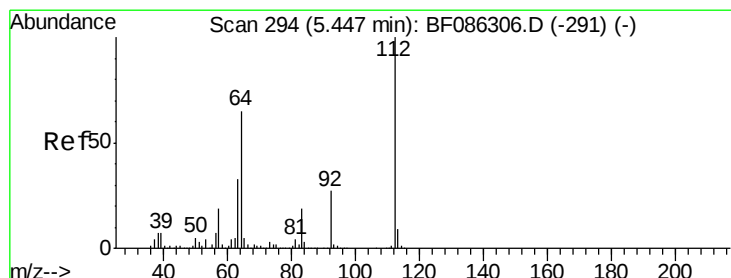
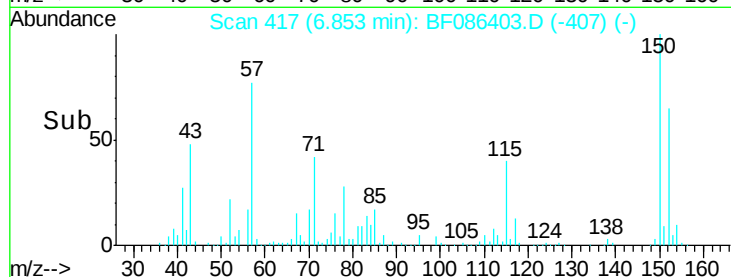
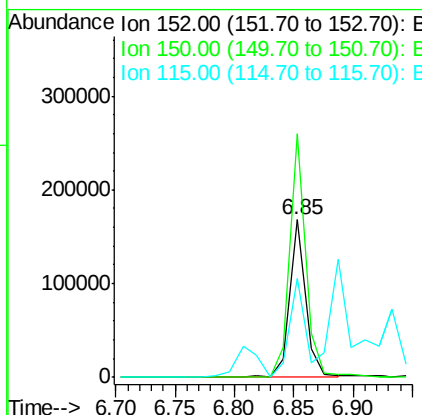
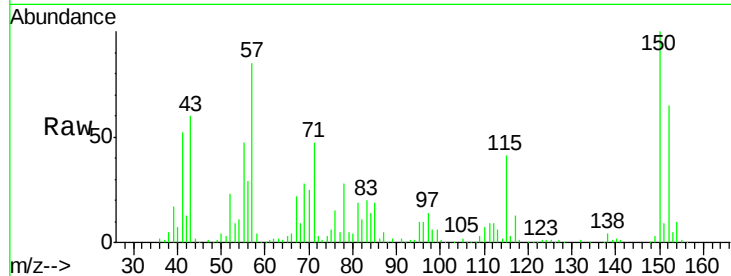




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.85 min Scan# 417  
 Delta R.T. 0.01 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

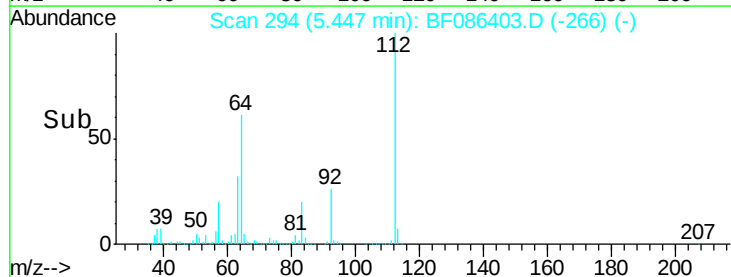
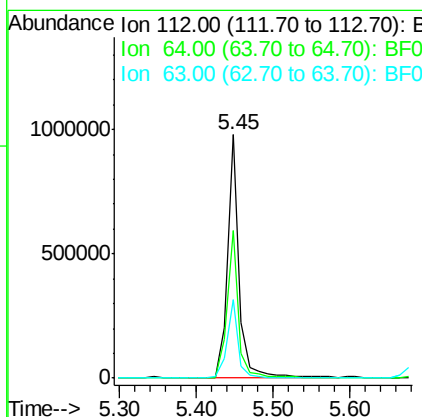
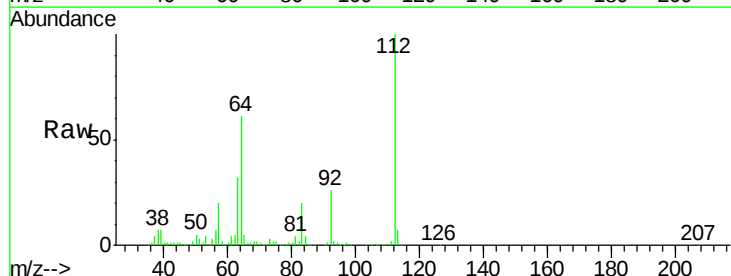
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

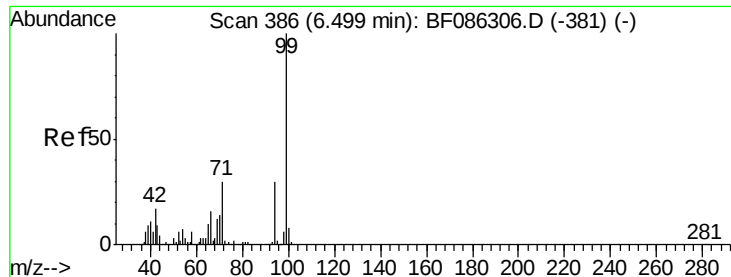
Tgt Ion:152 Resp: 155923  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 125.8 188.6  
 115 62.7 51.5 77.3



#5  
 2-Fluorophenol  
 Concen: 118.06 ng  
 RT: 5.45 min Scan# 294  
 Delta R.T. 0.02 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion:112 Resp: 1065944  
 Ion Ratio Lower Upper  
 112 100  
 64 60.9 52.1 78.1  
 63 32.4 25.7 38.5





#7

Phenol-d6

Concen: 111.70 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

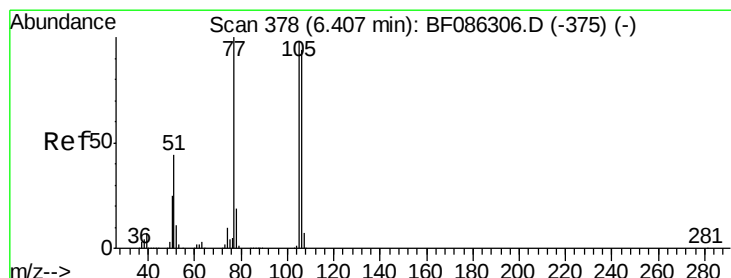
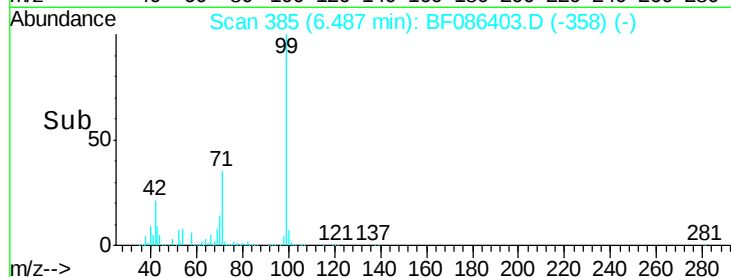
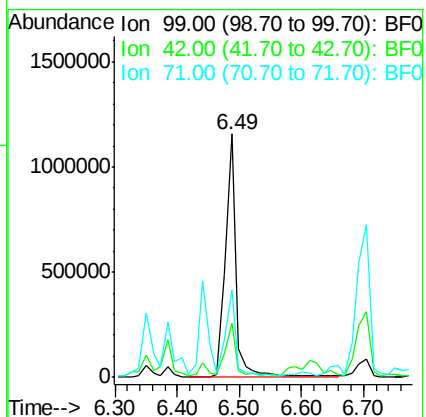
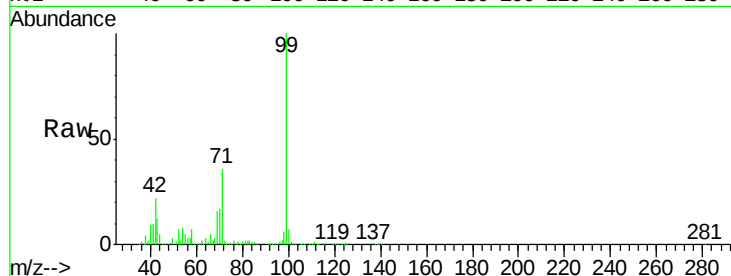
Tgt Ion: 99 Resp: 1371029

Ion Ratio Lower Upper

99 100

42 22.0 13.6 20.4#

71 35.9 24.6 36.8



#9

Benzaldehyde

Concen: 28.71 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

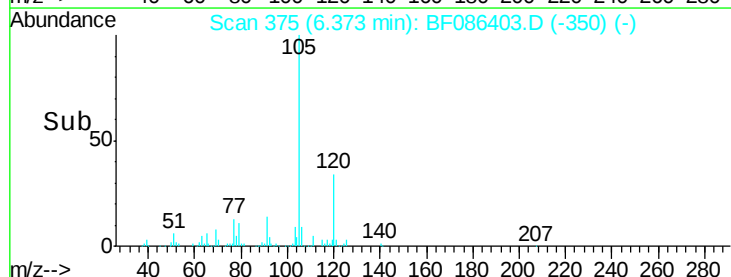
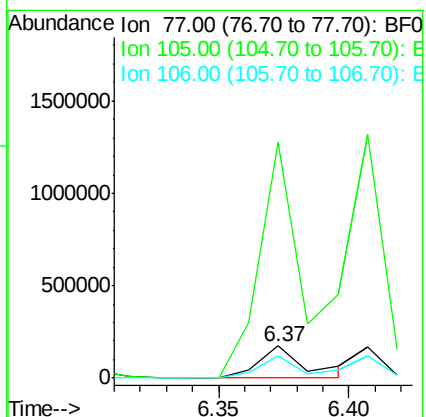
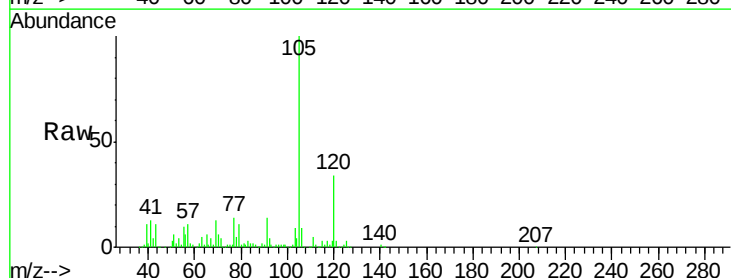
Tgt Ion: 77 Resp: 214047

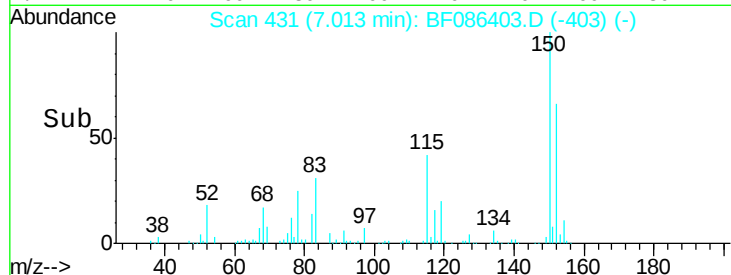
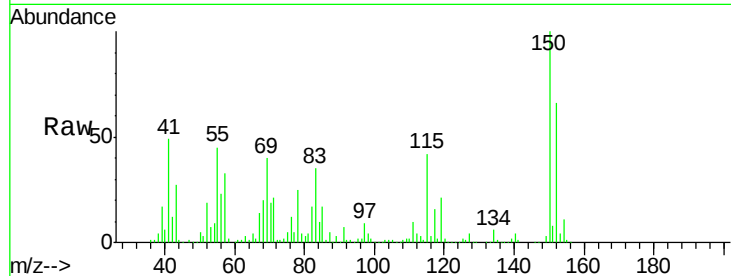
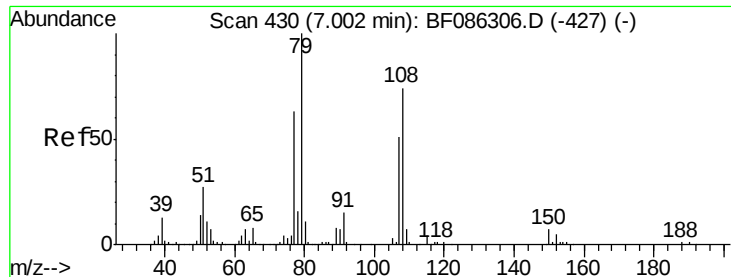
Ion Ratio Lower Upper

77 100

105 733.0 72.7 112.7#

106 67.4 70.8 110.8#





#15

Benzyl Alcohol

Concen: 4.68 ng

RT: 7.01 min Scan# 431

Delta R.T. 0.02 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

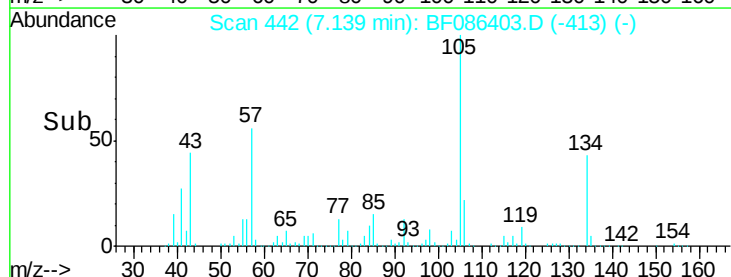
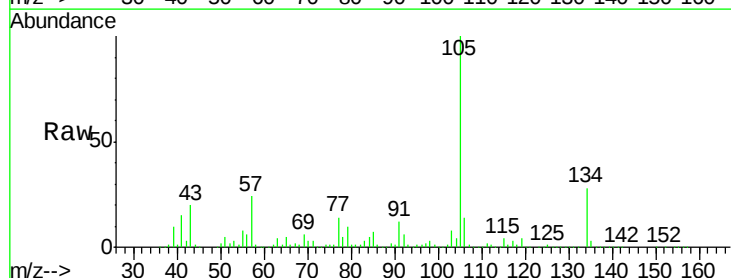
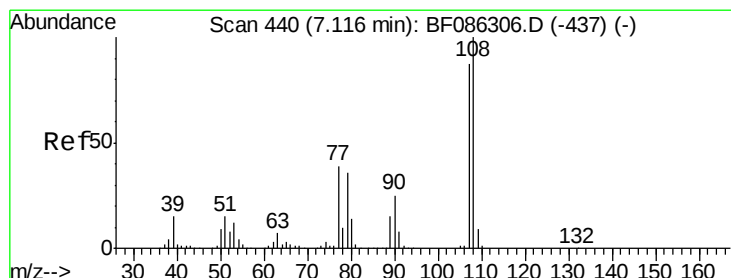
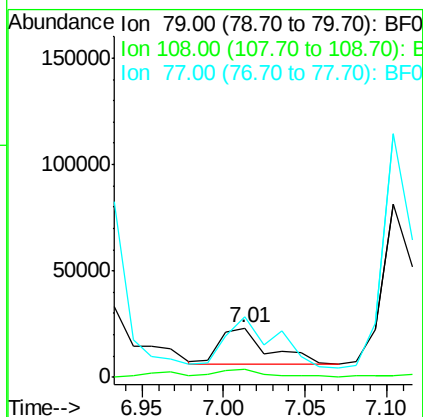
Tgt Ion: 79 Resp: 34109

Ion Ratio Lower Upper

79 100

108 15.9 68.4 102.6#

77 122.2 50.6 76.0#



#17

2-Methylphenol

Concen: 2.81 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Tgt Ion: 107 Resp: 25350

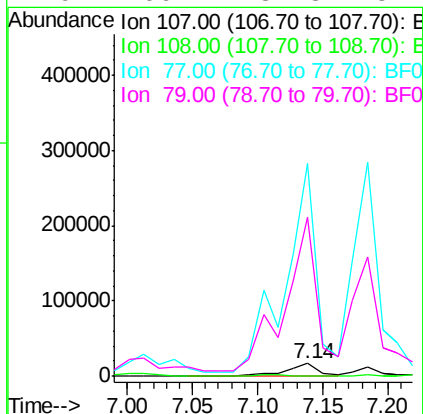
Ion Ratio Lower Upper

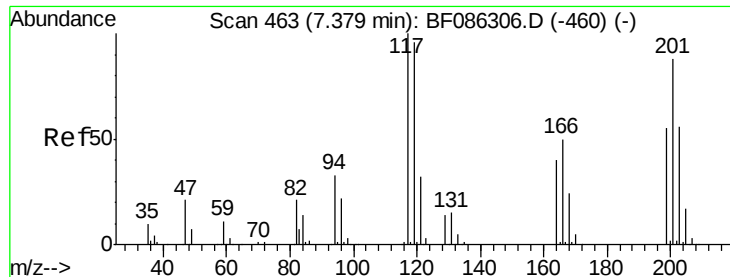
107 100

108 4.7 93.7 140.5#

77 1698.6 33.4 50.0#

79 1266.2 34.3 51.5#

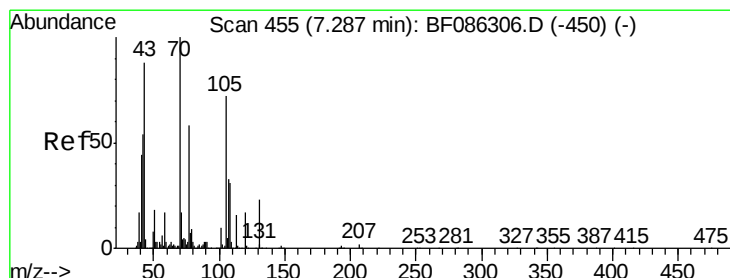
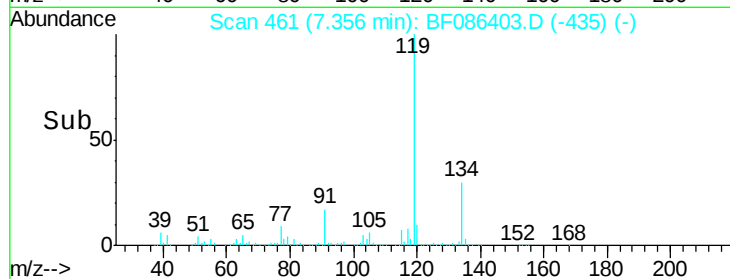
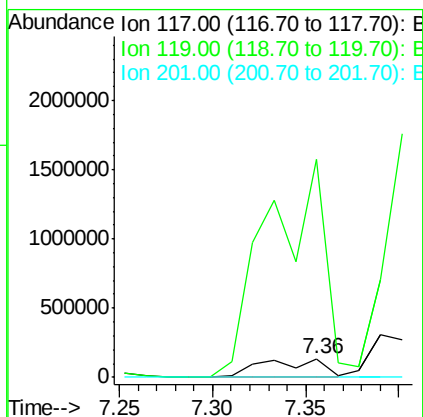
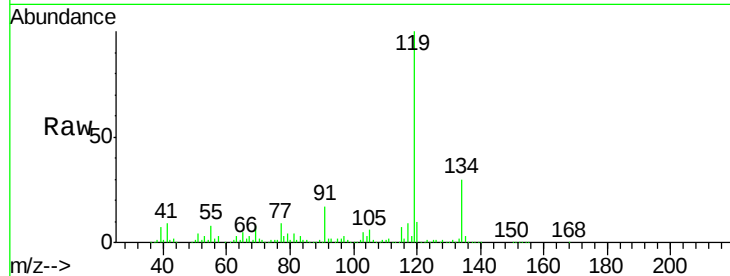




#18  
Hexachloroethane  
Concen: 68.41 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.00 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

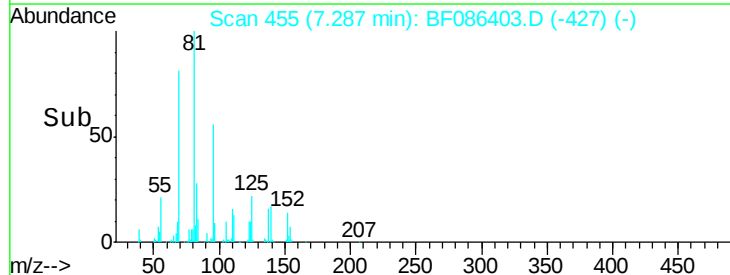
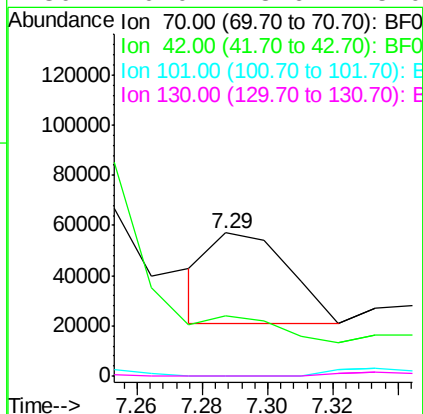
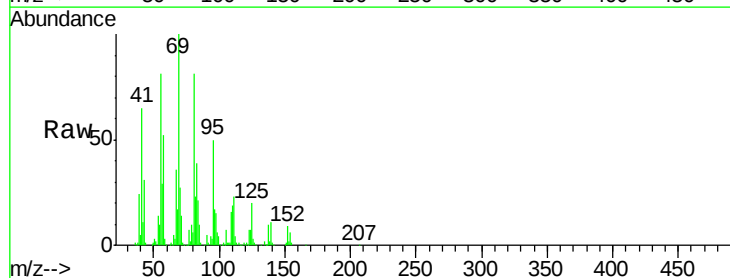
Instrument :  
BNA\_F  
ClientSampleId :  
WC-W

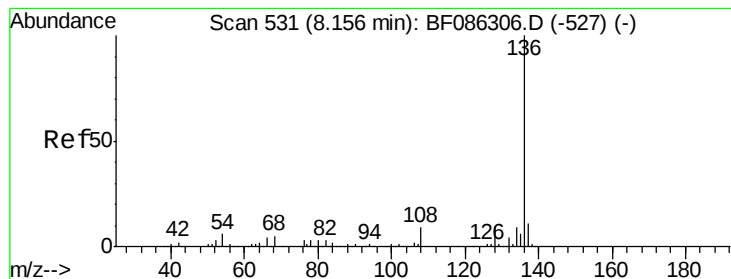
Tgt Ion: 117 Resp: 297585  
Ion Ratio Lower Upper  
117 100  
119 1168.8 76.5 114.7#  
201 0.0 63.0 94.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.98 ng  
RT: 7.29 min Scan# 455  
Delta R.T. 0.02 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

Tgt Ion: 70 Resp: 58514  
Ion Ratio Lower Upper  
70 100  
42 41.8 43.1 64.7#  
101 0.0 8.1 12.1#  
130 0.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

Tgt Ion:136 Resp: 178168

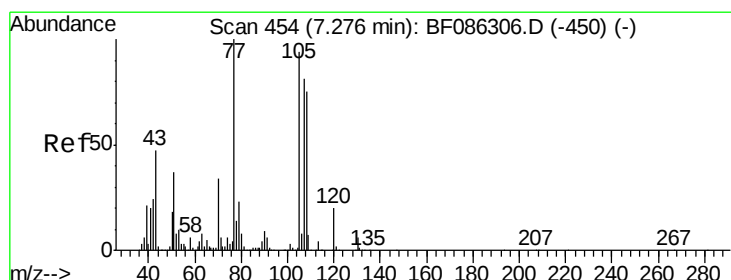
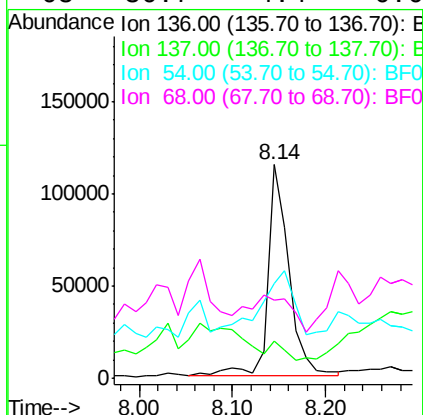
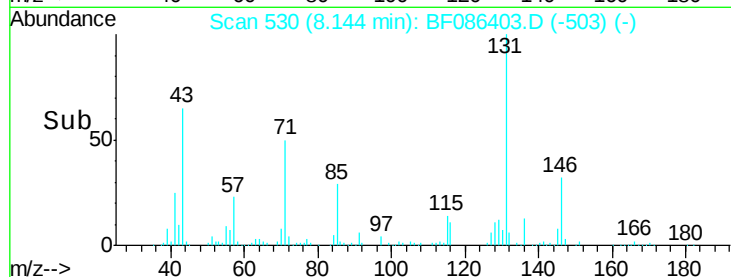
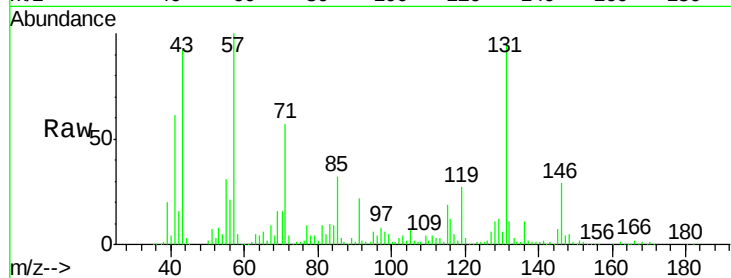
Ion Ratio Lower Upper

136 100

137 17.2 8.8 13.2#

54 44.1 5.0 7.4#

68 36.7 4.4 6.6#



#22

Acetophenone

Concen: 421.62 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Tgt Ion:105 Resp: 1575903

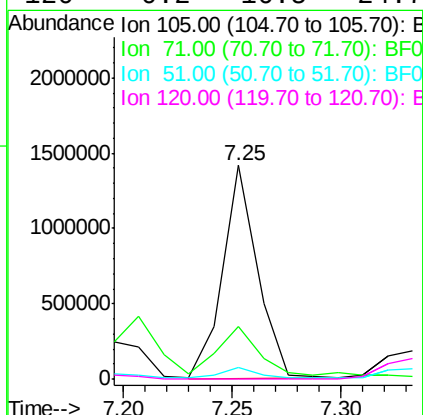
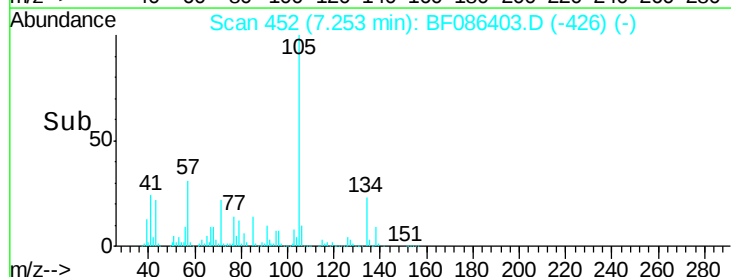
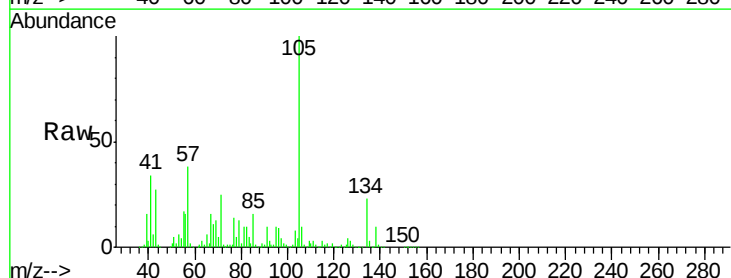
Ion Ratio Lower Upper

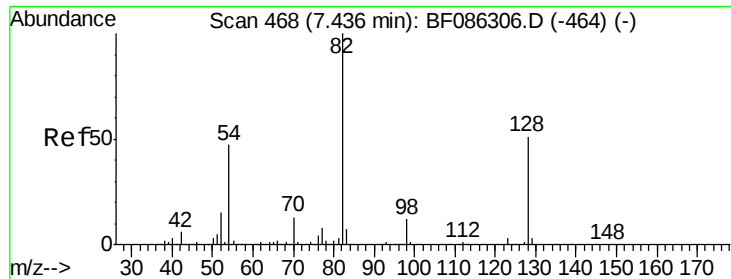
105 100

71 24.8 4.8 7.2#

51 5.5 32.6 49.0#

120 0.2 16.5 24.7#

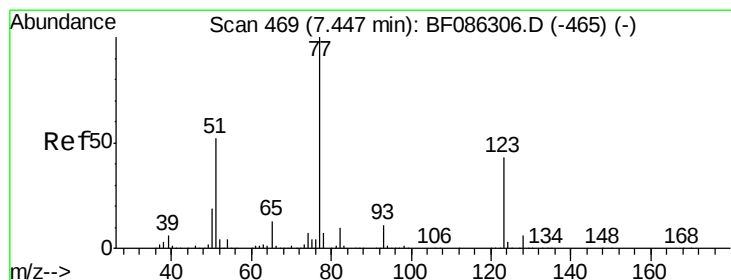
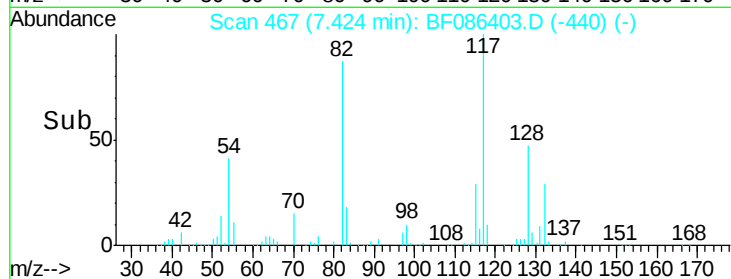
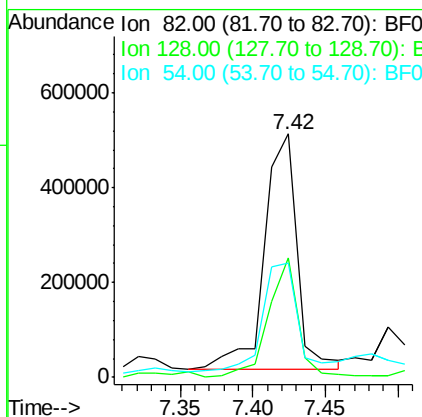
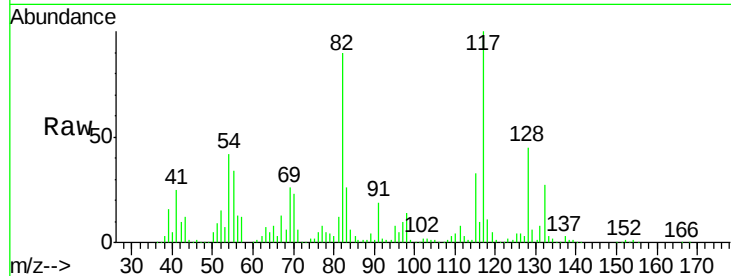




#23  
 Nitrobenzene-d5  
 Concen: 256.97 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. 0.01 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

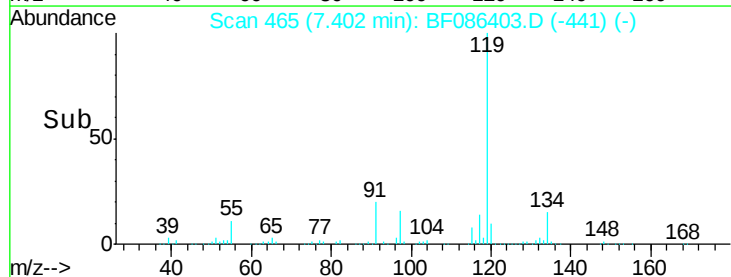
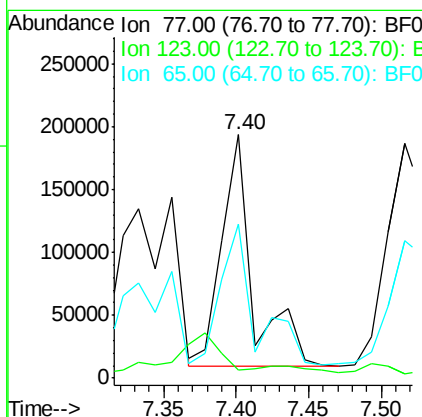
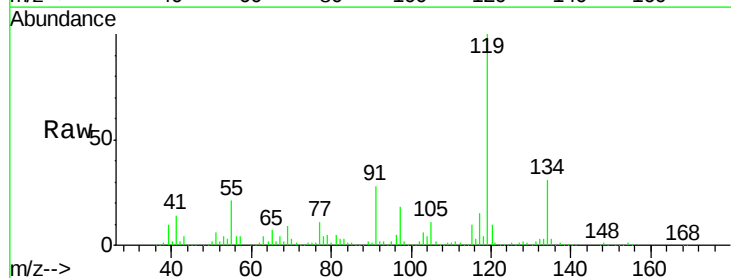
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

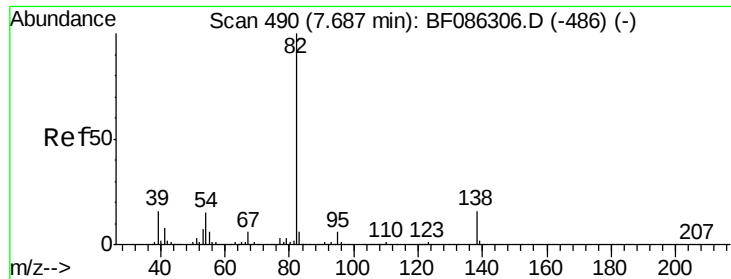
Tgt Ion: 82 Resp: 772866  
 Ion Ratio Lower Upper  
 82 100  
 128 49.2 40.6 61.0  
 54 46.7 38.1 57.1



#24  
 Nitrobenzene  
 Concen: 85.37 ng  
 RT: 7.40 min Scan# 465  
 Delta R.T. -0.02 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion: 77 Resp: 275436  
 Ion Ratio Lower Upper  
 77 100  
 123 3.2 33.0 49.4#  
 65 63.0 10.8 16.2#





#25

Isophorone

Concen: 40.37 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

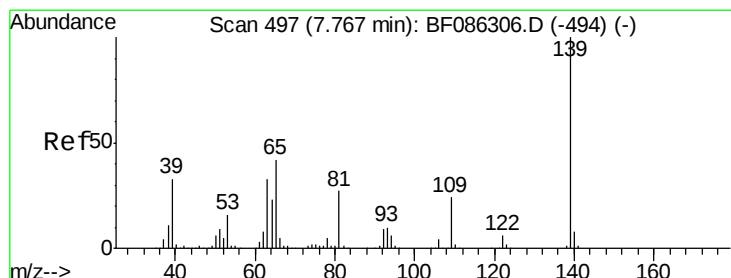
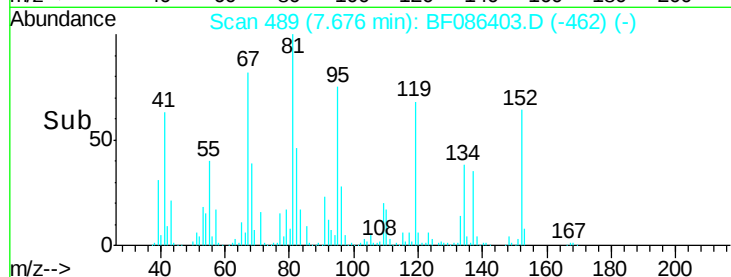
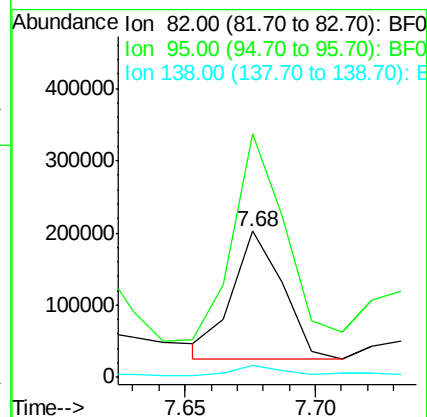
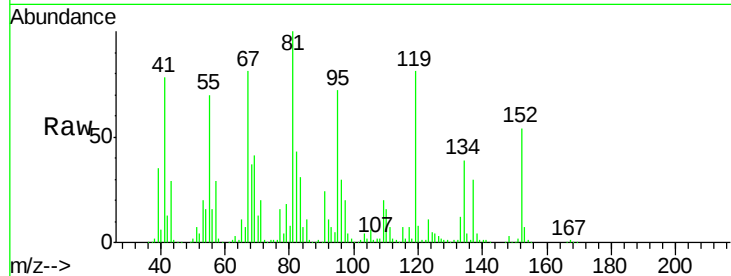
Tgt Ion: 82 Resp: 237978

Ion Ratio Lower Upper

82 100

95 166.6 5.1 7.7#

138 8.2 12.4 18.6#



#26

2-Nitrophenol

Concen: 11.03 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

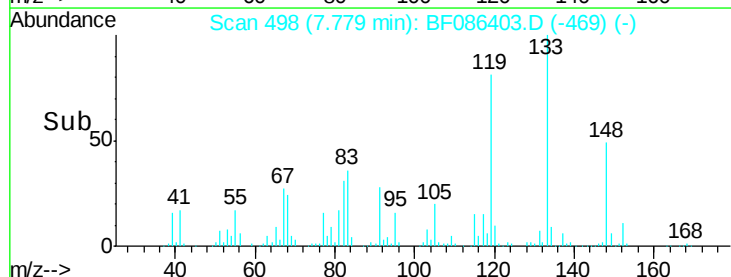
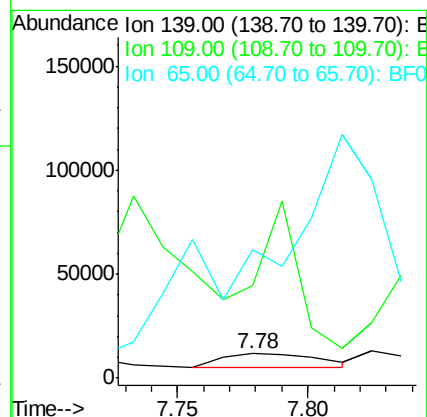
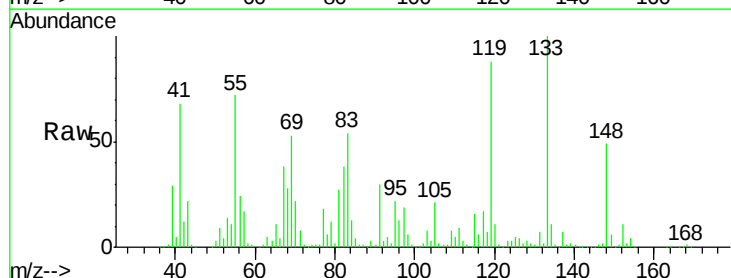
Tgt Ion: 139 Resp: 17584

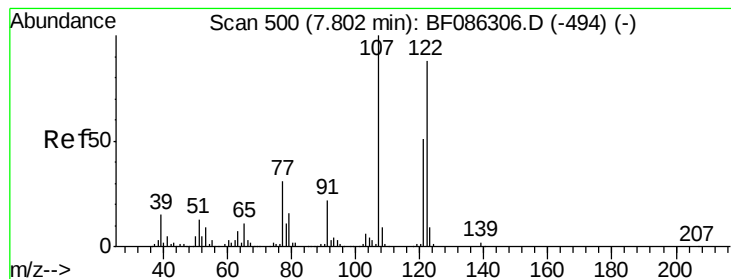
Ion Ratio Lower Upper

139 100

109 379.2 19.5 29.3#

65 527.6 37.5 56.3#





#27

2,4-Dimethylphenol

Concen: 6.56 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

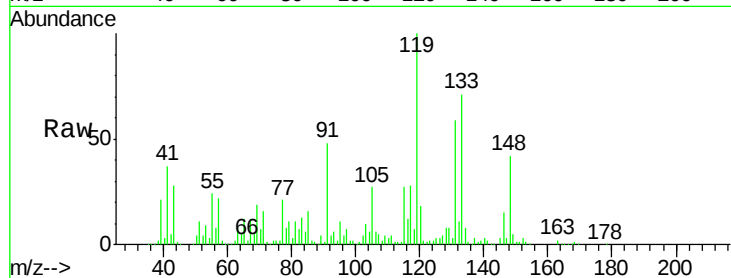
Tgt Ion:122 Resp: 17914

Ion Ratio Lower Upper

122 100

107 336.4 82.0 123.0#

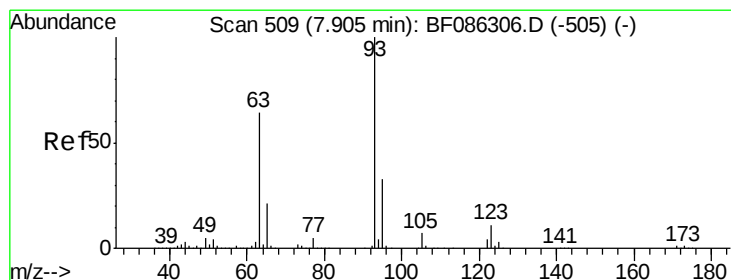
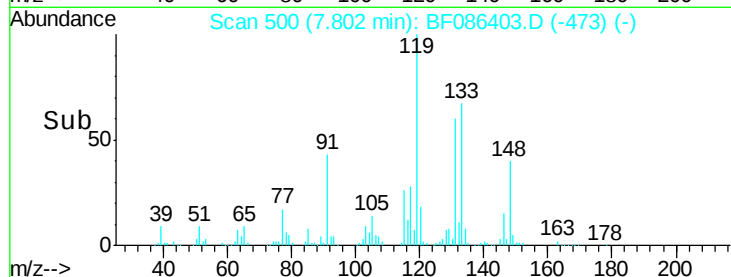
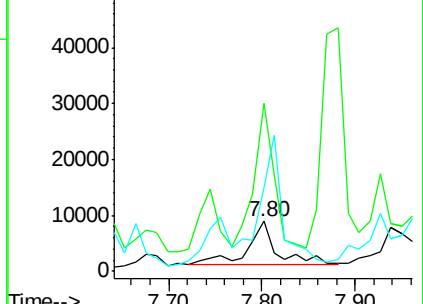
121 167.7 46.1 69.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.60 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.05 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

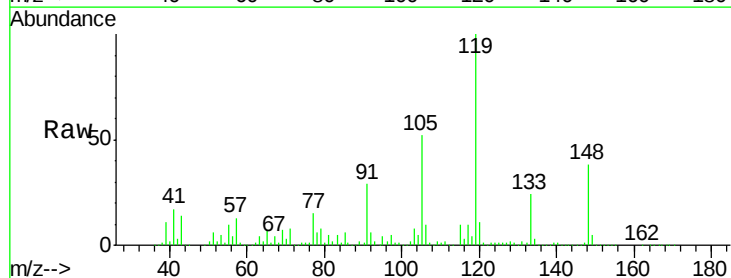
Tgt Ion: 93 Resp: 71092

Ion Ratio Lower Upper

93 100

95 167.2 26.0 39.0#

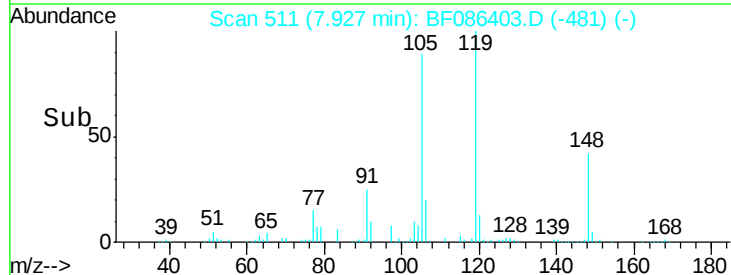
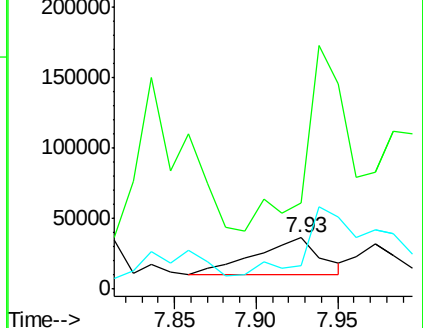
123 45.8 9.5 14.3#

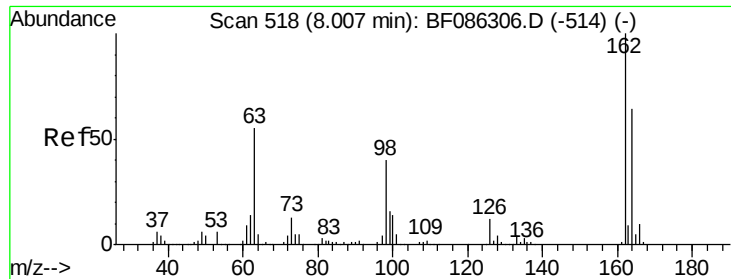


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

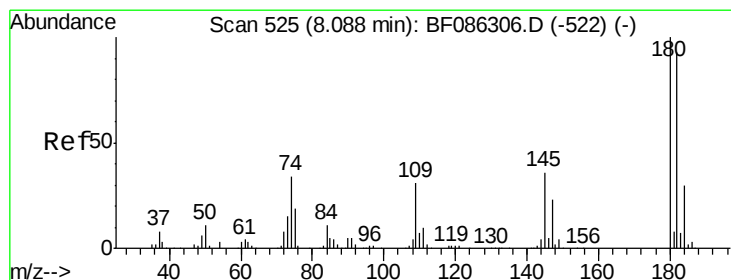
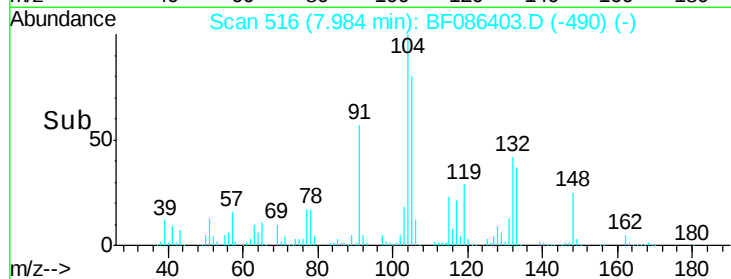
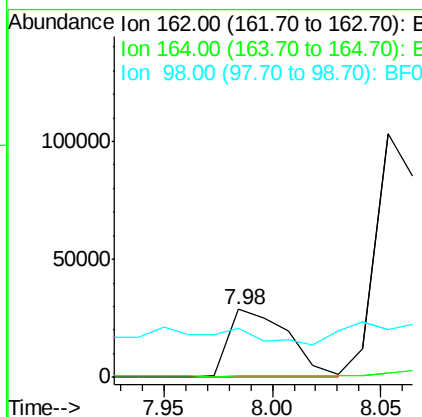
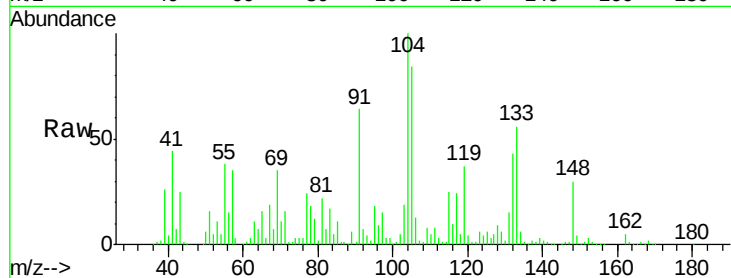




#29  
 2,4-Dichlorophenol  
 Concen: 24.51 ng  
 RT: 7.98 min Scan# 516  
 Delta R.T. -0.00 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

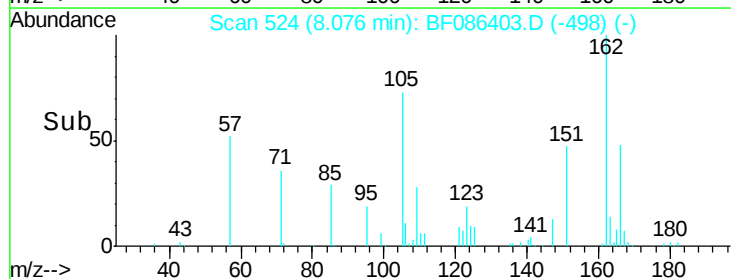
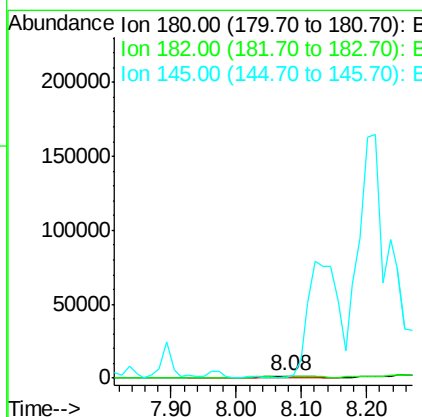
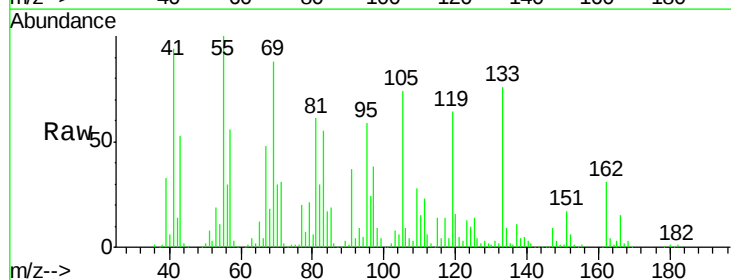
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

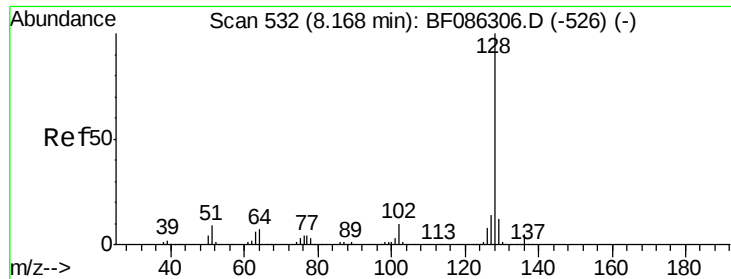
Tgt Ion:162 Resp: 55294  
 Ion Ratio Lower Upper  
 162 100  
 164 2.0 42.2 82.2#  
 98 72.7 19.0 59.0#



#30  
 1,2,4-Trichlorobenzene  
 Concen: 4.14 ng  
 RT: 8.08 min Scan# 524  
 Delta R.T. -0.00 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion:180 Resp: 10143  
 Ion Ratio Lower Upper  
 180 100  
 182 90.6 78.0 117.0  
 145 40.4 24.2 36.2#

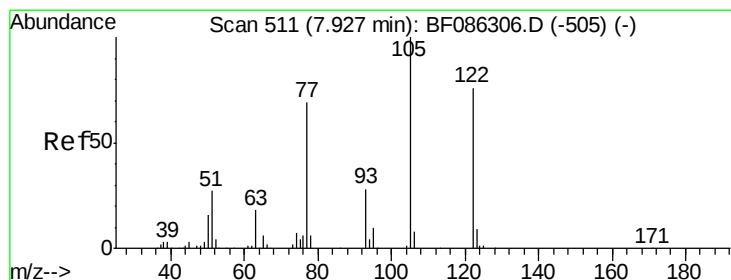
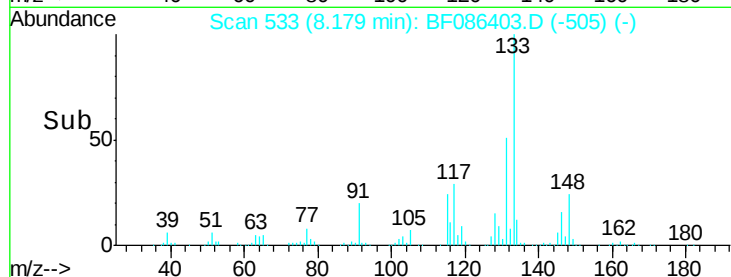
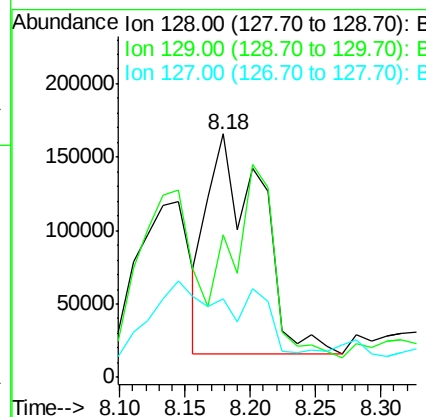
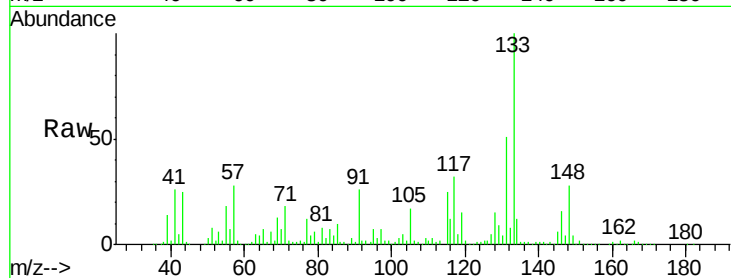




#31  
Naphthalene  
Concen: 46.98 ng  
RT: 8.18 min Scan# 533  
Delta R.T. 0.02 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

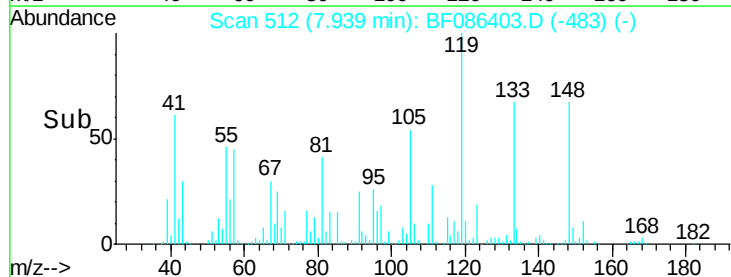
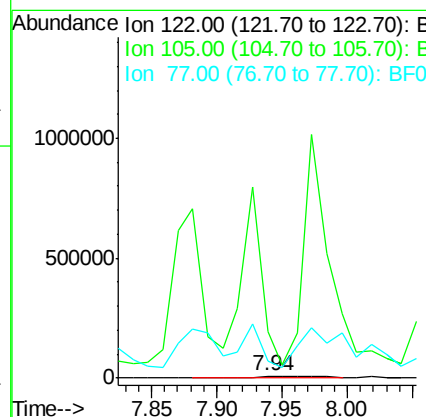
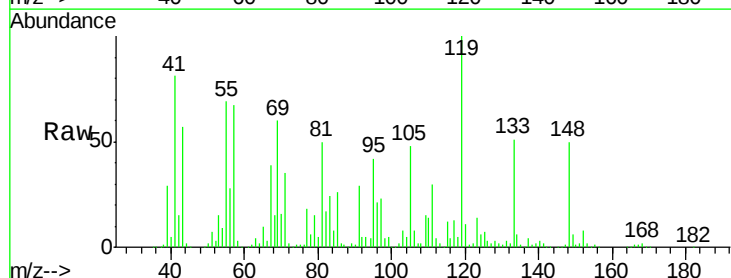
Instrument :  
BNA\_F  
ClientSampleId :  
WC-W

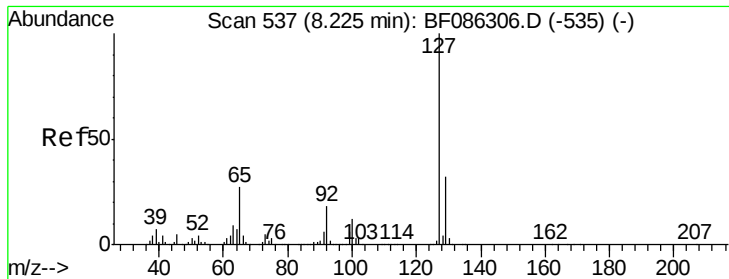
Tgt Ion:128 Resp: 426411  
Ion Ratio Lower Upper  
128 100  
129 58.7 8.6 13.0#  
127 32.4 10.8 16.2#



#32  
Benzoic acid  
Concen: 11.50 ng  
RT: 7.94 min Scan# 512  
Delta R.T. 0.03 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

Tgt Ion:122 Resp: 20071  
Ion Ratio Lower Upper  
122 100  
105 2495.1 92.6 132.6#  
77 941.7 60.0 100.0#

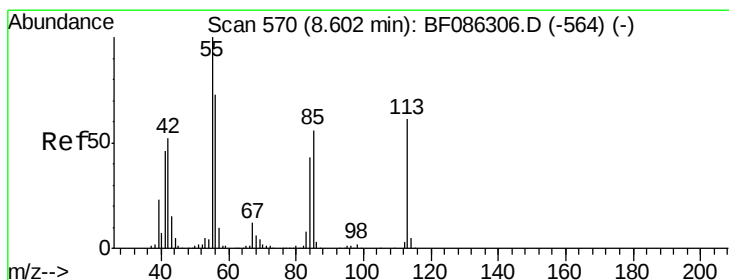
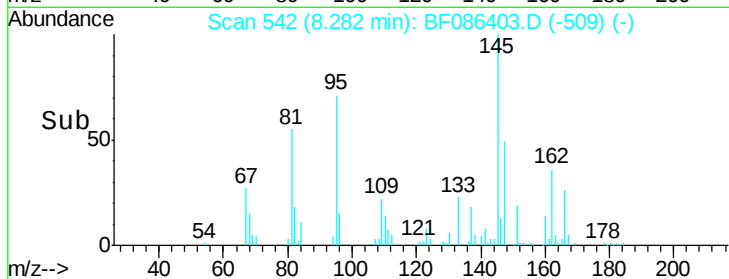
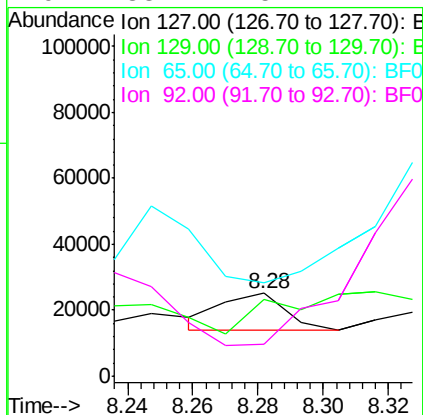
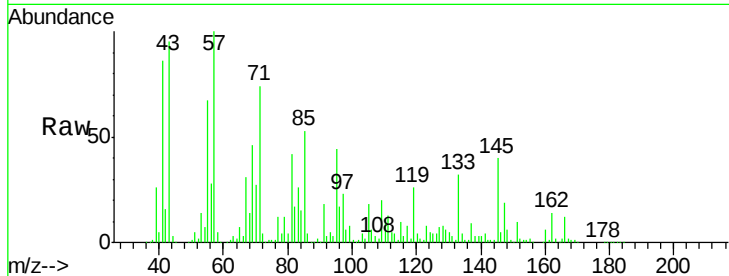




#33  
4-Chloroaniline  
Concen: 4.19 ng  
RT: 8.28 min Scan# 542  
Delta R.T. 0.08 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

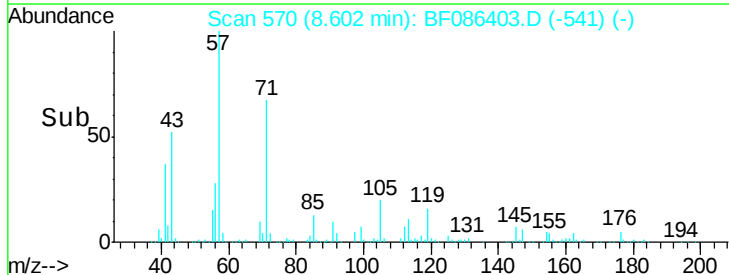
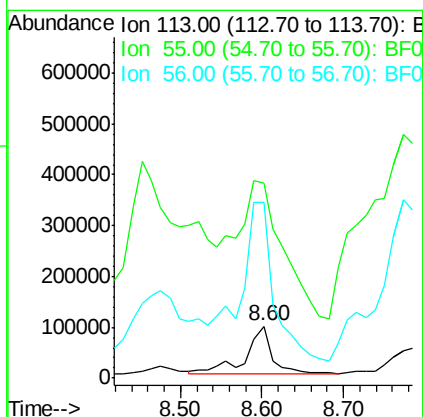
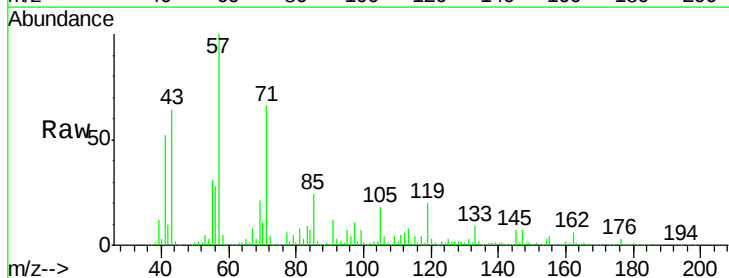
Instrument :  
BNA\_F  
ClientSampleId :  
WC-W

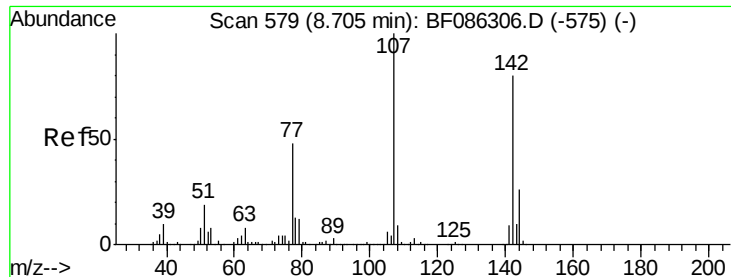
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 14813 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 92.7  | 26.2  | 39.4# |
| 65       | 112.1 | 23.0  | 34.4# |
| 92       | 38.2  | 15.1  | 22.7# |



#35  
Caprolactam  
Concen: 257.08 ng  
RT: 8.60 min Scan# 570  
Delta R.T. 0.03 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 208122 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 374.6 | 162.0 | 202.0# |
| 56       | 337.9 | 115.3 | 155.3# |

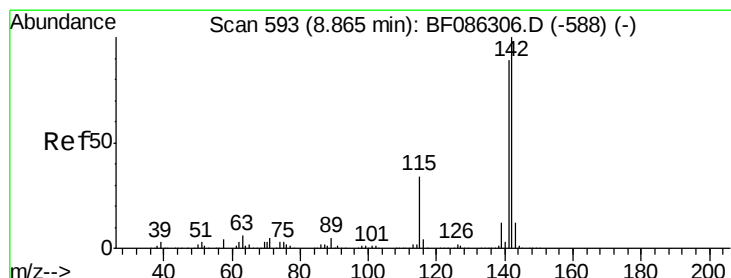
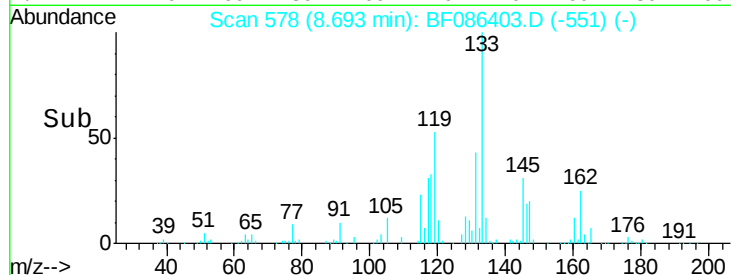
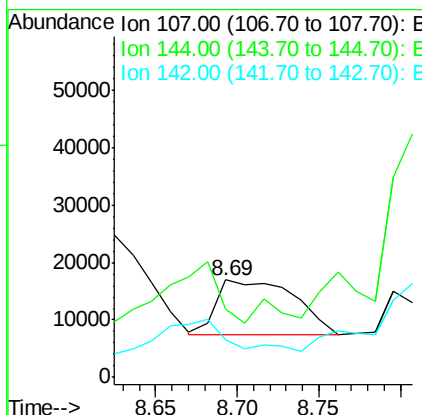
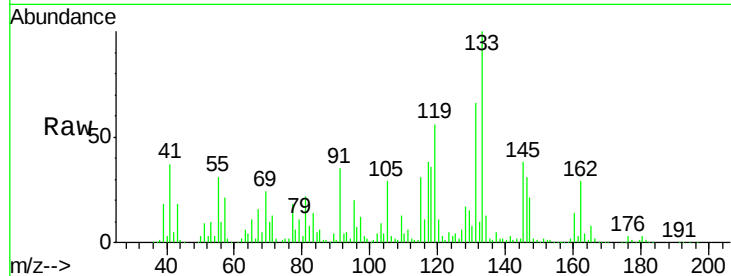




#36  
 4-Chloro-3-methylphenol  
 Concen: 11.82 ng  
 RT: 8.69 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

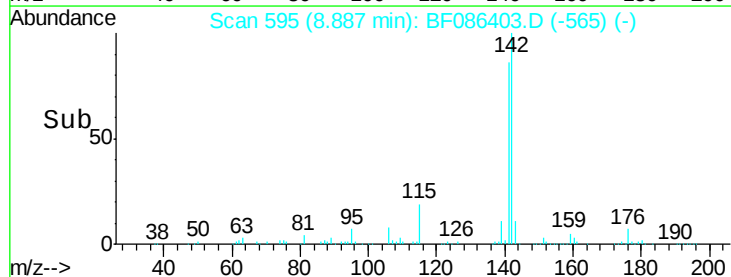
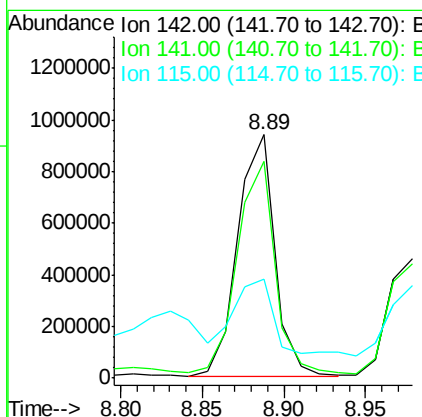
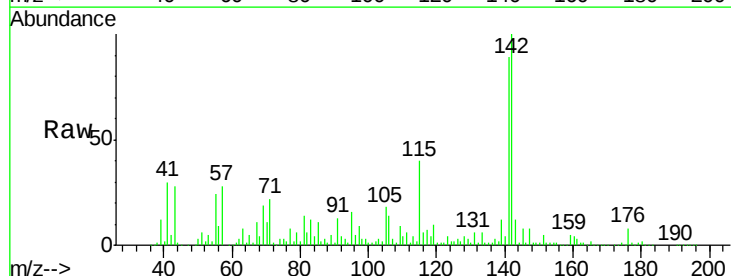
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

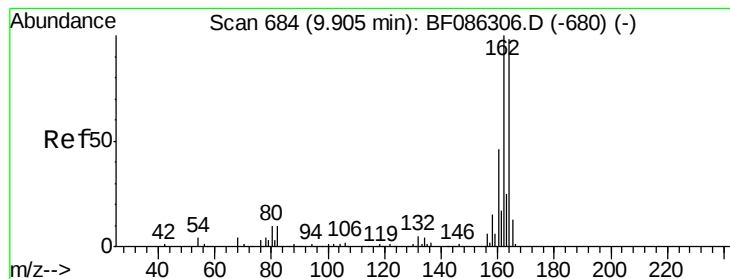
Tgt Ion:107 Resp: 31684  
 Ion Ratio Lower Upper  
 107 100  
 144 70.2 20.7 31.1#  
 142 38.4 63.2 94.8#



#37  
 2-Methylnaphthalene  
 Concen: 280.14 ng  
 RT: 8.89 min Scan# 595  
 Delta R.T. 0.05 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion:142 Resp: 1466491  
 Ion Ratio Lower Upper  
 142 100  
 141 89.1 71.0 106.6  
 115 40.5 26.6 39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

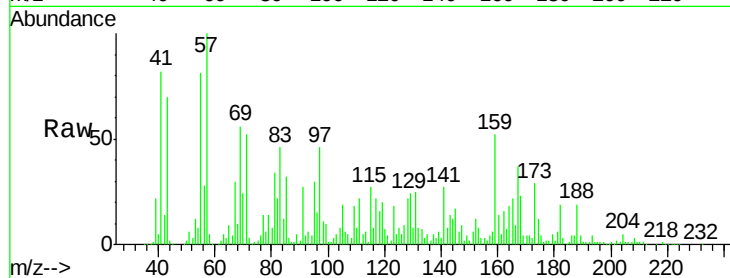
Tgt Ion:164 Resp: 159667

Ion Ratio Lower Upper

164 100

162 90.7 82.8 124.2

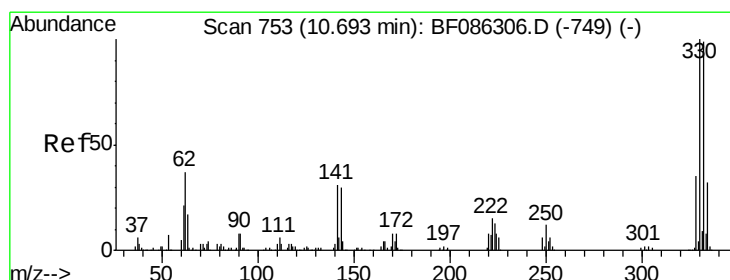
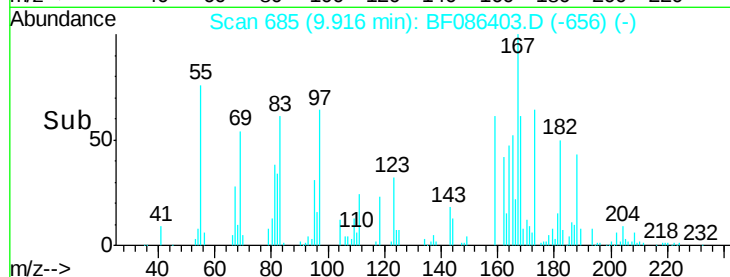
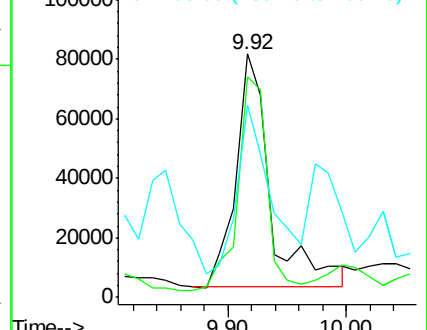
160 79.3 36.9 55.3#



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: 91.27 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

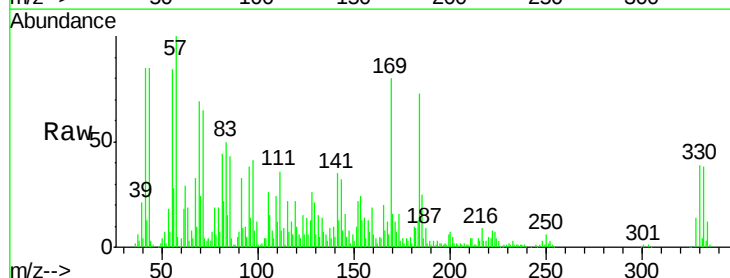
Tgt Ion:330 Resp: 131918

Ion Ratio Lower Upper

330 100

332 98.3 79.0 118.4

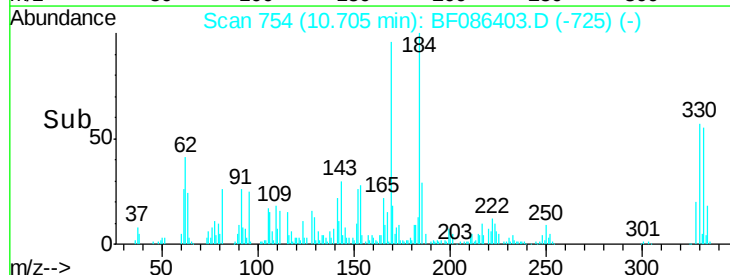
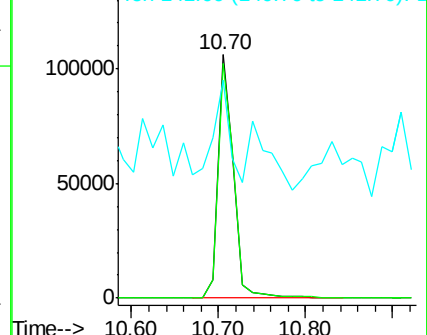
141 42.1 31.2 46.8

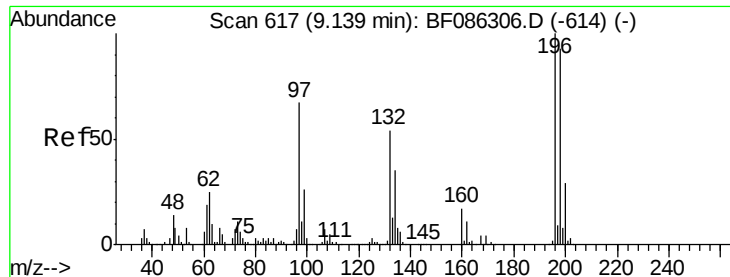


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 2.96 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.05 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

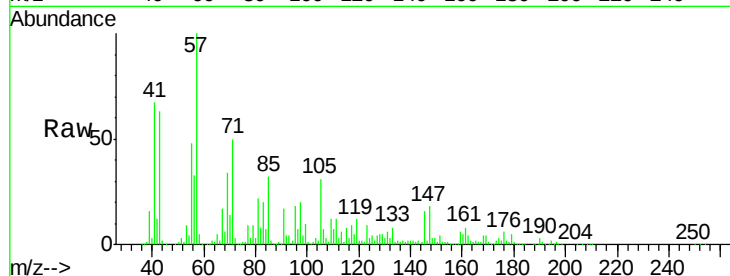
Tgt Ion:196 Resp: 8009

Ion Ratio Lower Upper

196 100

198 11.5 74.7 112.1#

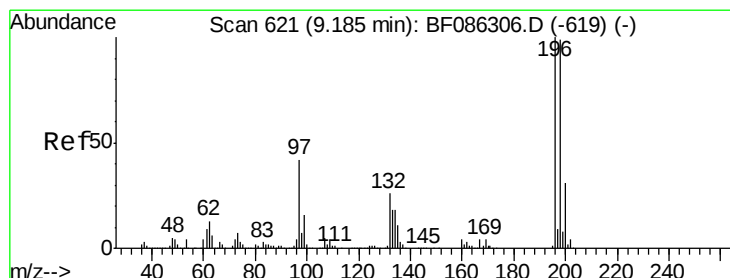
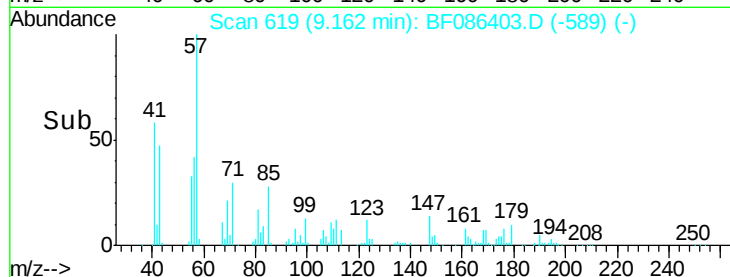
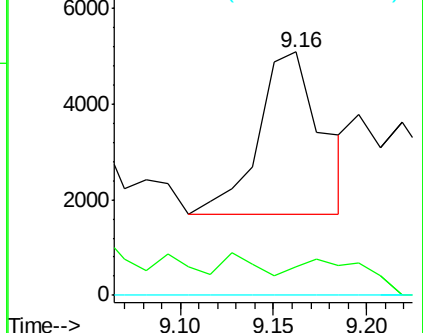
200 0.0 23.8 35.6#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 2.40 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.00 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Tgt Ion:196 Resp: 8009

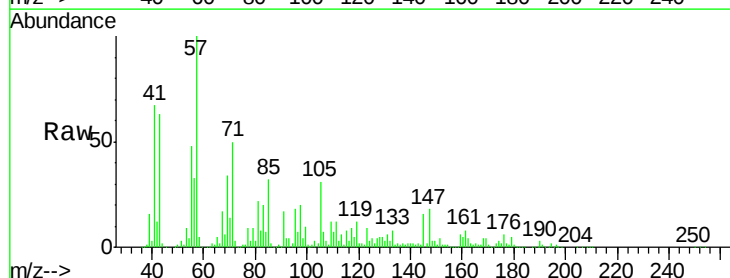
Ion Ratio Lower Upper

196 100

198 11.5 77.5 116.3#

97 3021.7 34.8 52.2#

132 408.3 23.0 34.4#

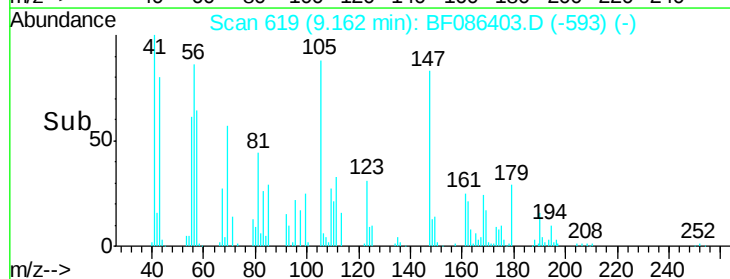
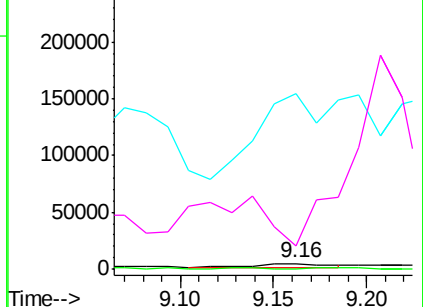


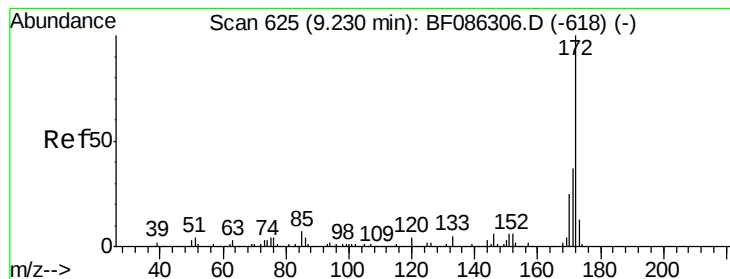
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 83.52 ng

RT: 9.23 min Scan# 625

Delta R.T. 0.02 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

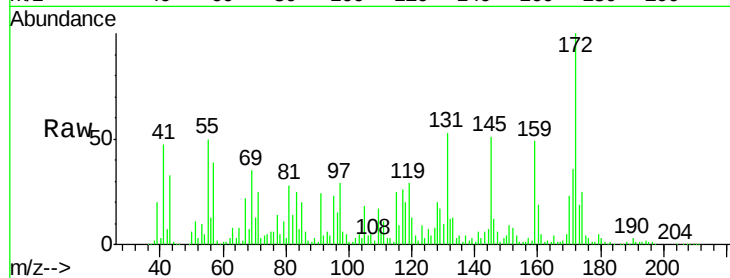
Tgt Ion:172 Resp: 781413

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

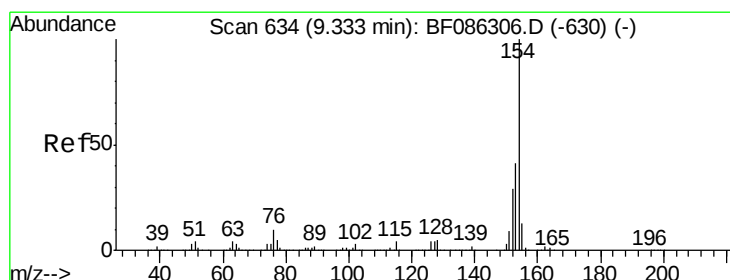
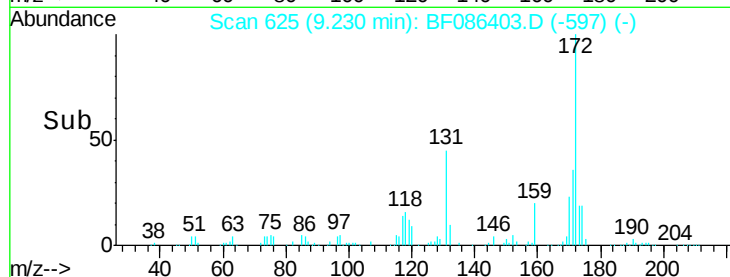
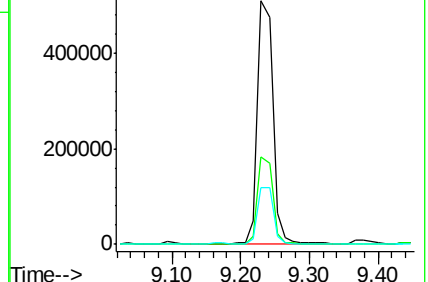
170 23.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 28.68 ng

RT: 9.33 min Scan# 634

Delta R.T. 0.02 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

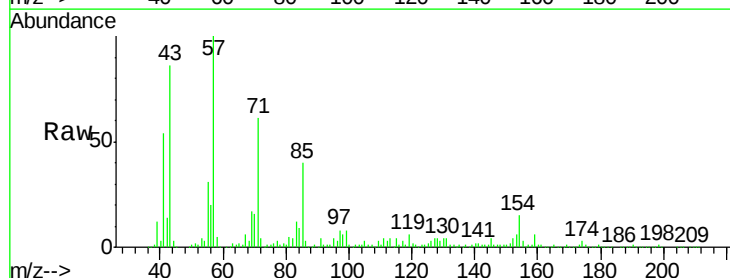
Tgt Ion:154 Resp: 355314

Ion Ratio Lower Upper

154 100

153 42.1 20.3 60.3

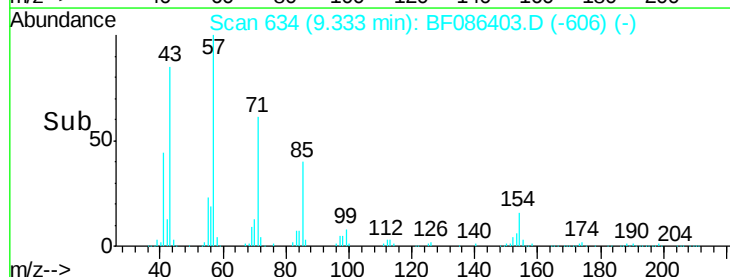
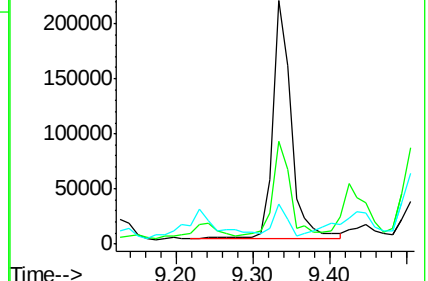
76 16.5 0.0 30.2

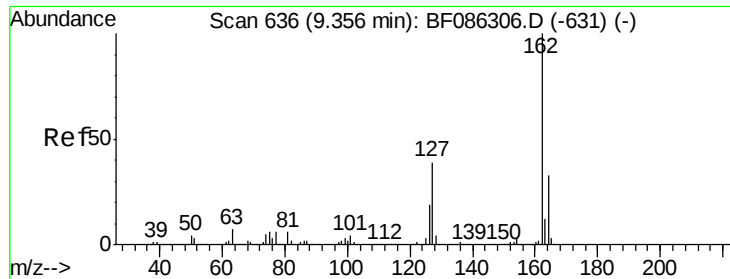


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

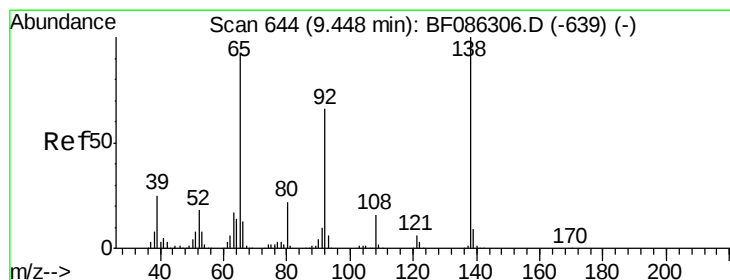
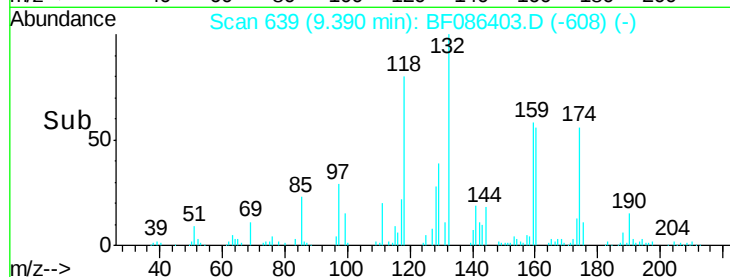
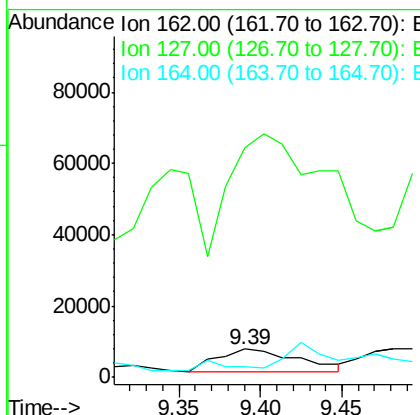
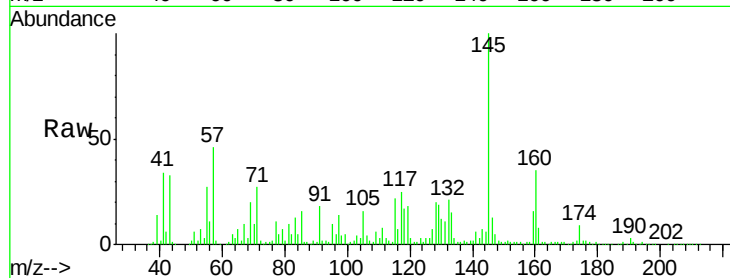




#46  
 2-Chloronaphthalene  
 Concen: 2.27 ng  
 RT: 9.39 min Scan# 639  
 Delta R.T. 0.06 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

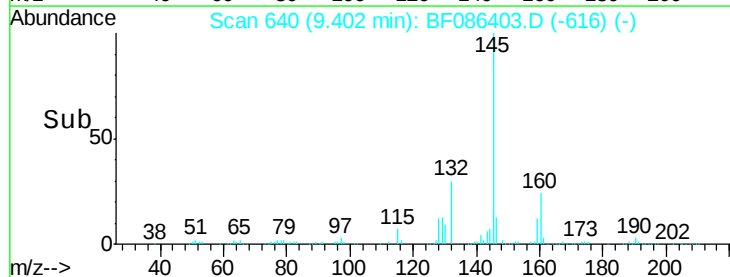
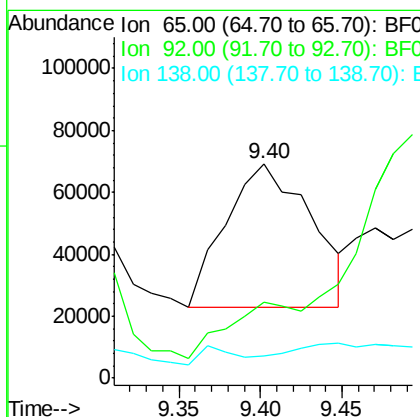
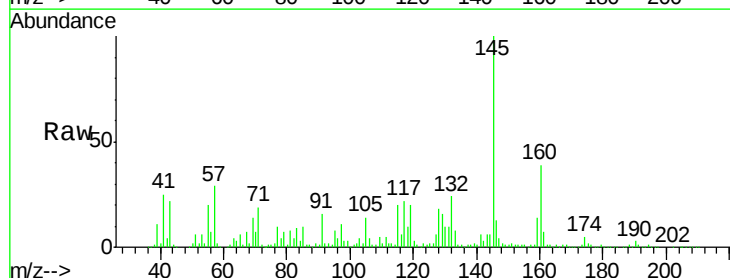
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

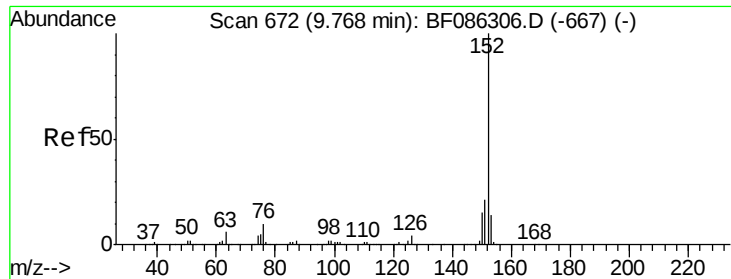
Tgt Ion: 162 Resp: 22271  
 Ion Ratio Lower Upper  
 162 100  
 127 805.1 31.8 47.6#  
 164 38.6 27.0 40.6



#47  
 2-Nitroaniline  
 Concen: 55.62 ng  
 RT: 9.40 min Scan# 640  
 Delta R.T. -0.02 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion: 65 Resp: 169797  
 Ion Ratio Lower Upper  
 65 100  
 92 35.4 57.4 86.2#  
 138 10.5 90.1 135.1#





#48

Acenaphthylene

Concen: 5.86 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

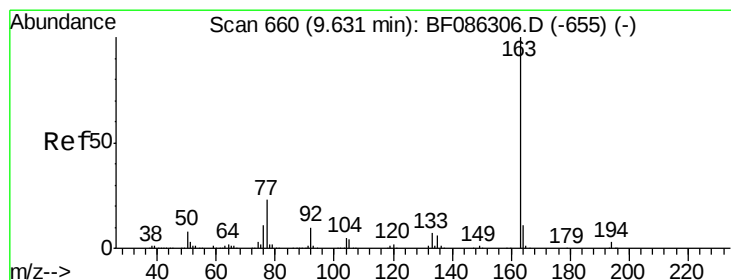
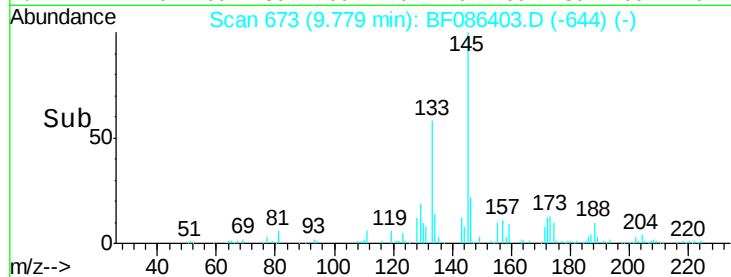
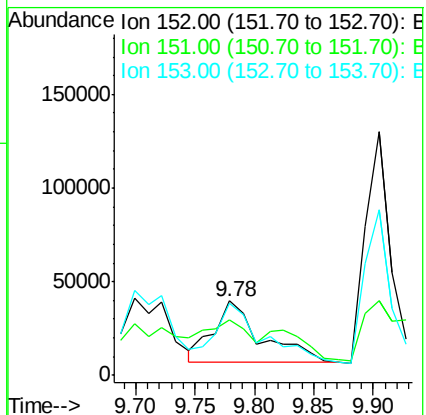
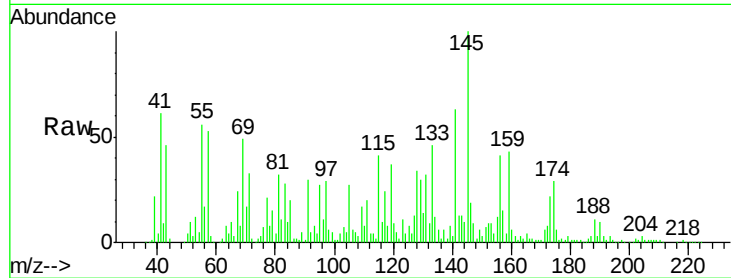
Tgt Ion:152 Resp: 93094

Ion Ratio Lower Upper

152 100

151 74.0 16.8 25.2#

153 97.5 10.9 16.3#



#49

Dimethylphthalate

Concen: 5.79 ng

RT: 9.63 min Scan# 660

Delta R.T. 0.02 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

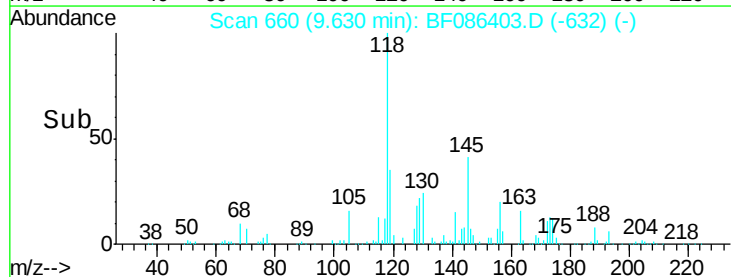
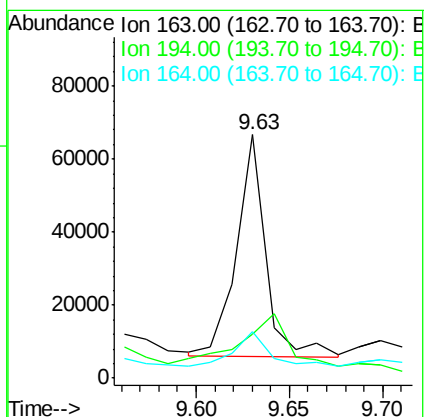
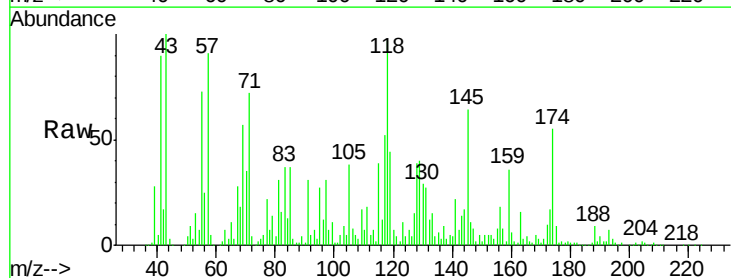
Tgt Ion:163 Resp: 66746

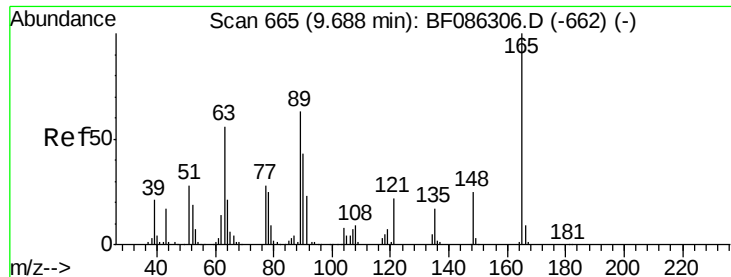
Ion Ratio Lower Upper

163 100

194 18.0 2.6 4.0#

164 19.3 8.2 12.4#





#50

2,6-Dinitrotoluene

Concen: 27.33 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.09 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

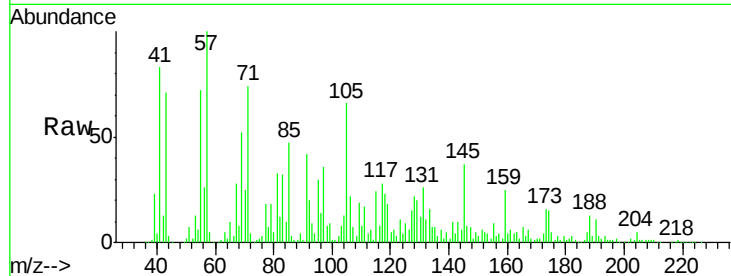
Tgt Ion:165 Resp: 68094

Ion Ratio Lower Upper

165 100

63 64.5 51.8 77.8

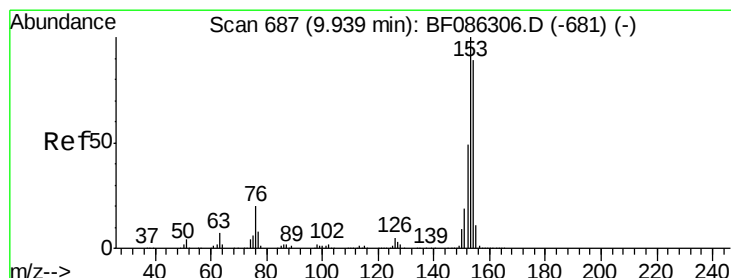
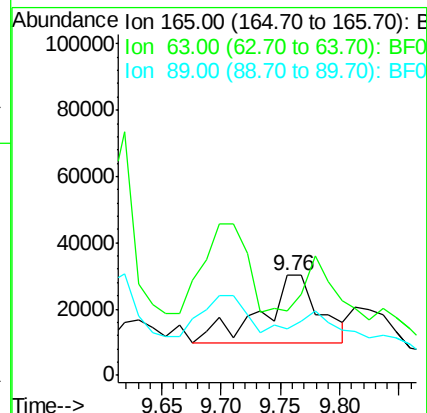
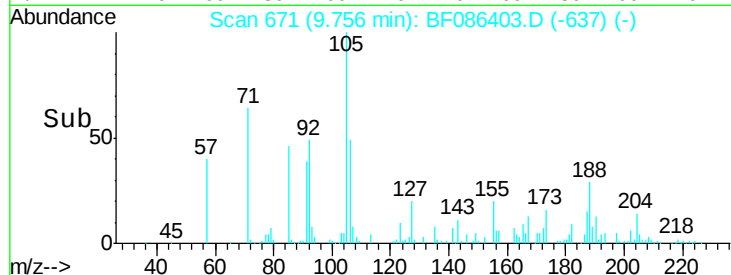
89 47.1 50.7 76.1#



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



#51

Acenaphthene

Concen: 9.67 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

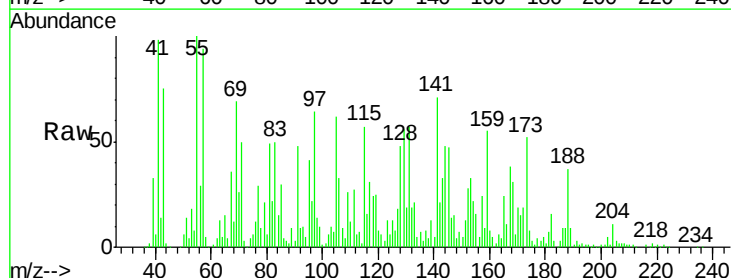
Tgt Ion:154 Resp: 94395

Ion Ratio Lower Upper

154 100

153 150.9 89.8 134.6#

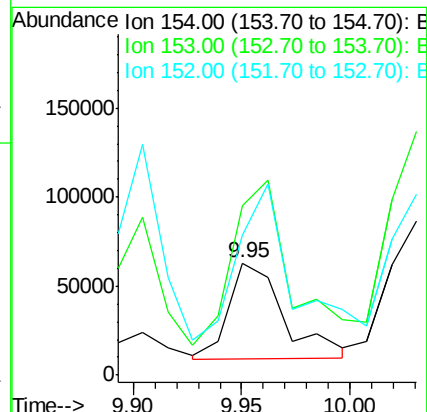
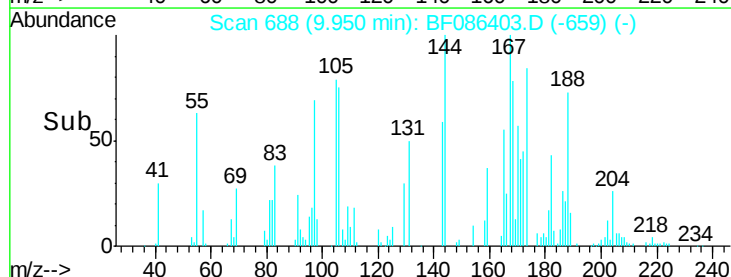
152 125.5 43.4 65.0#

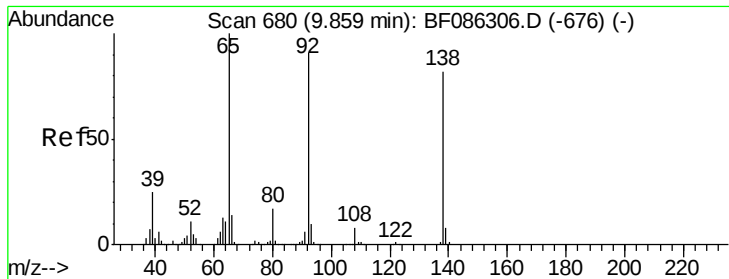


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 4.28 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

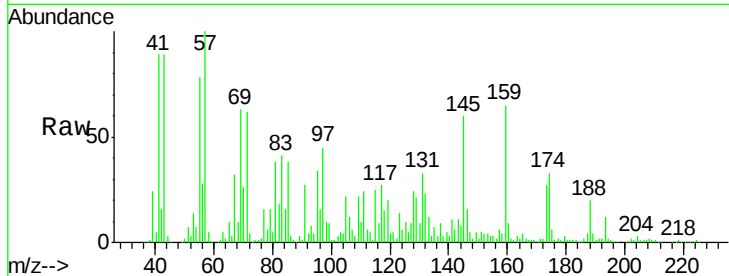
Tgt Ion:138 Resp: 13356

Ion Ratio Lower Upper

138 100

108 92.6 7.8 11.6#

92 128.3 87.8 131.8

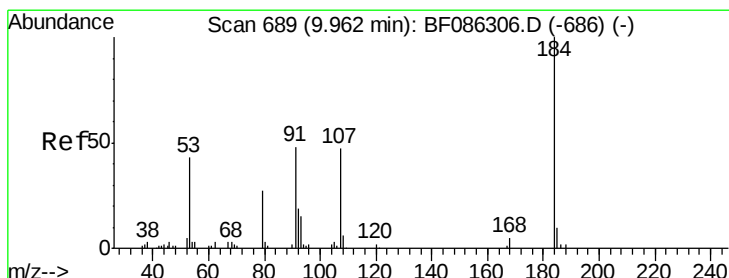
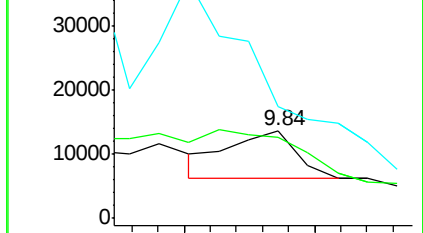
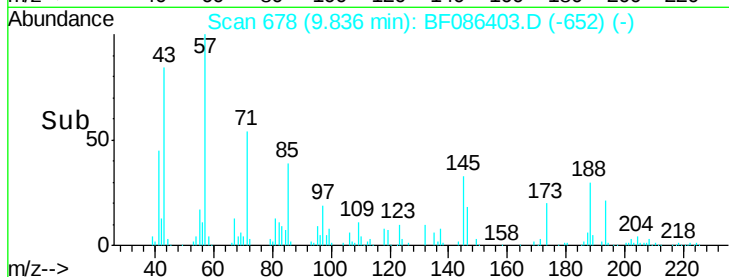


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

Time-->



#53

2,4-Dinitrophenol

Concen: 5.61 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.06 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

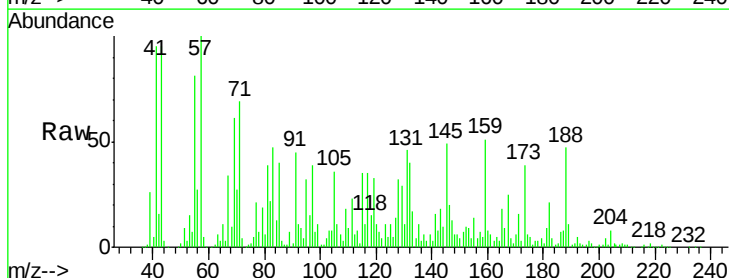
Tgt Ion:184 Resp: 7273

Ion Ratio Lower Upper

184 100

63 834.5 55.8 83.8#

154 596.1 62.4 93.6#

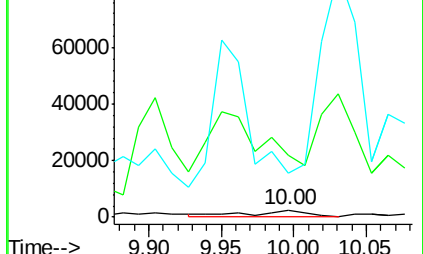
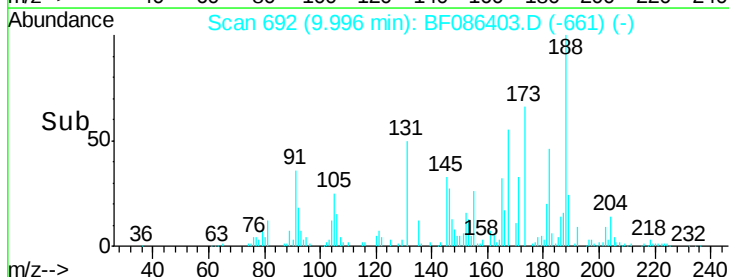


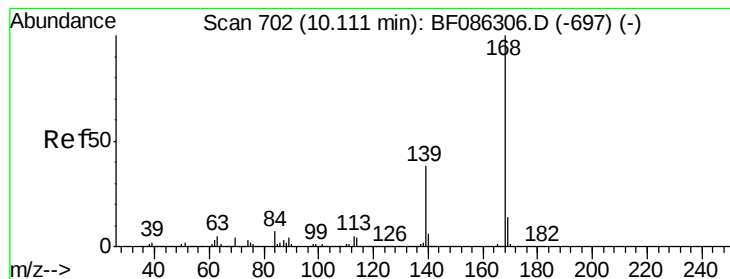
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

Time-->





#54

Dibenzofuran

Concen: 4.03 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

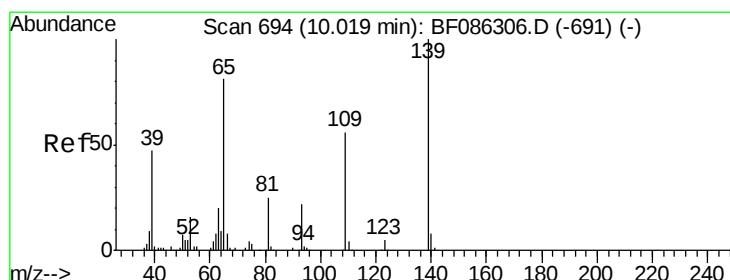
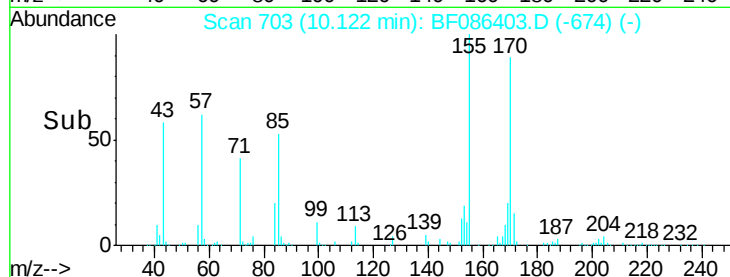
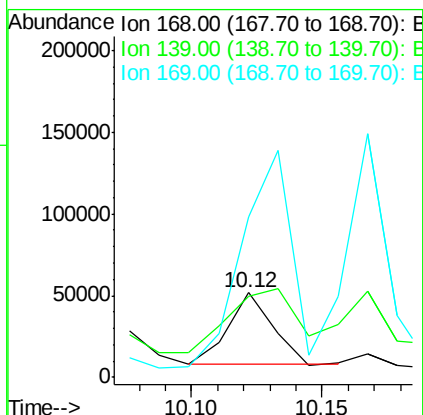
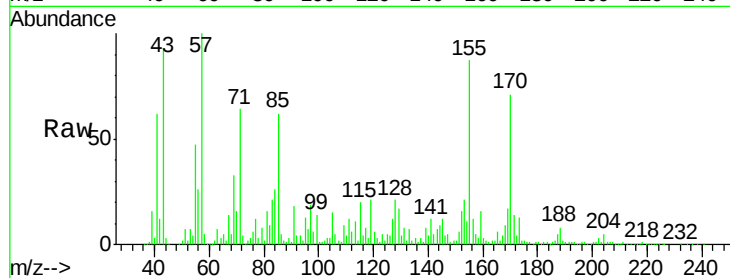
Tgt Ion:168 Resp: 50598

Ion Ratio Lower Upper

168 100

139 95.3 31.4 47.0#

169 190.0 10.7 16.1#



#55

4-Nitrophenol

Concen: 52.81 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

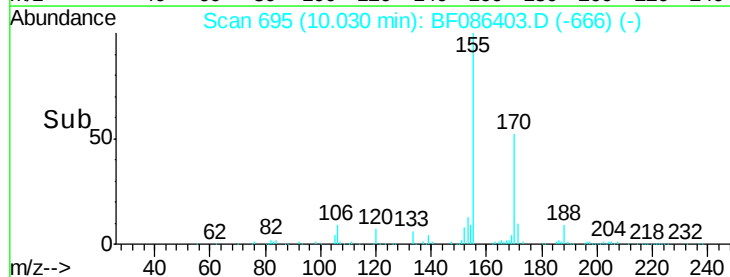
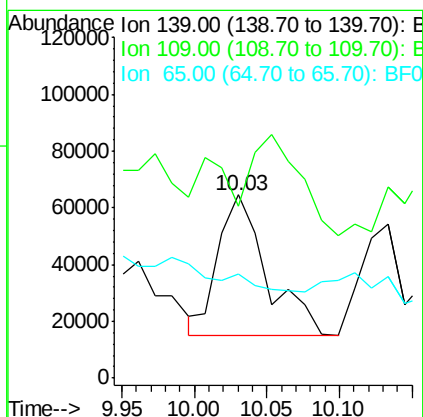
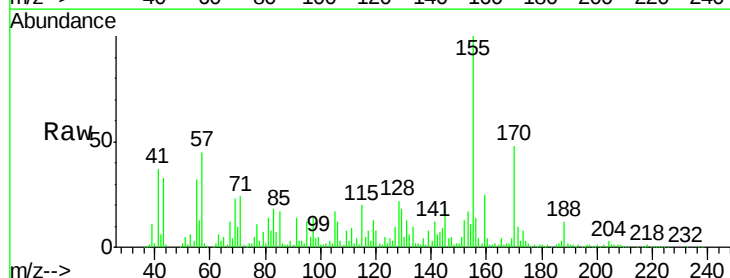
Tgt Ion:139 Resp: 115271

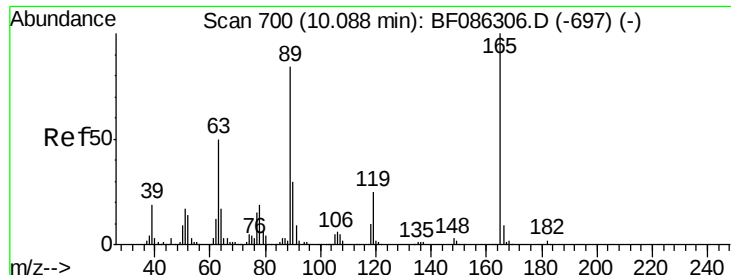
Ion Ratio Lower Upper

139 100

109 93.7 36.9 76.9#

65 57.1 64.0 104.0#

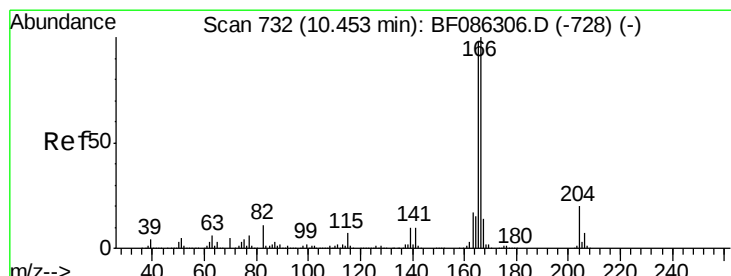
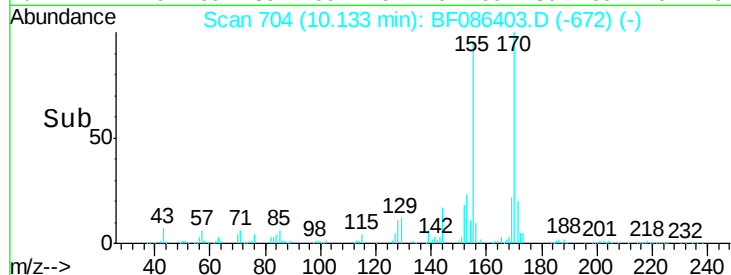
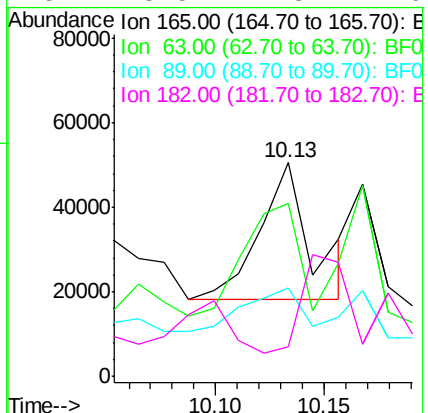
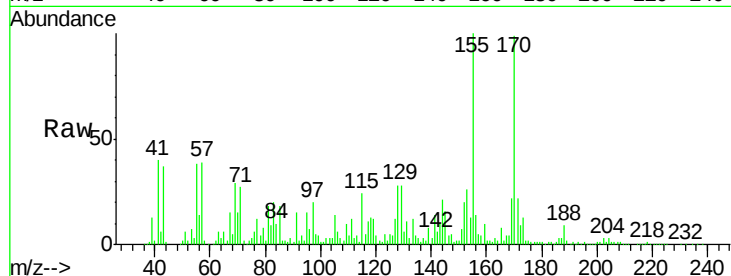




#56  
2,4-Dinitrotoluene  
Concen: 16.37 ng  
RT: 10.13 min Scan# 704  
Delta R.T. 0.07 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

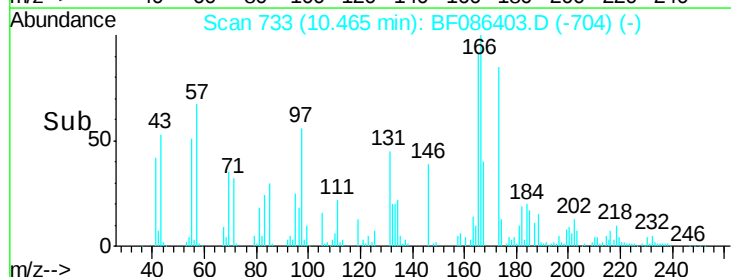
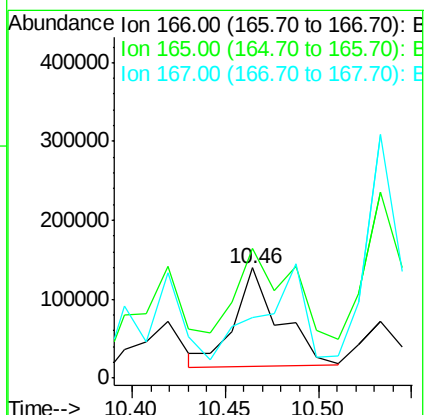
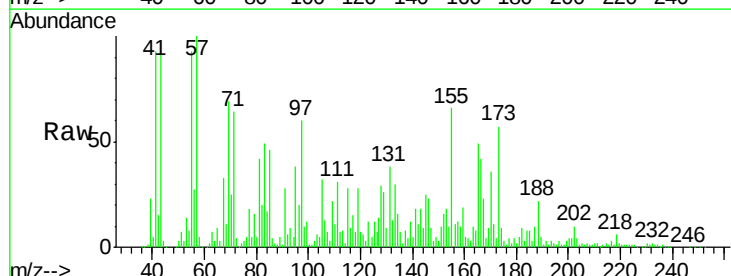
Instrument :  
BNA\_F  
ClientSampleId :  
WC-W

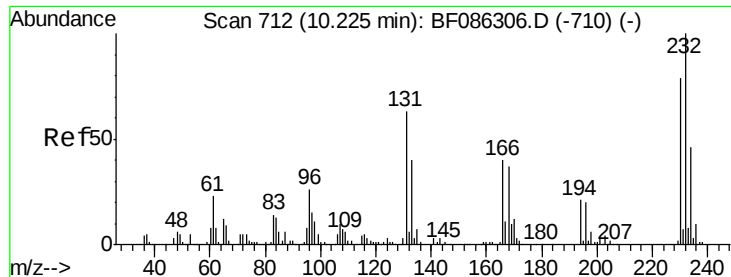
Tgt Ion:165 Resp: 54146  
Ion Ratio Lower Upper  
165 100  
63 81.1 44.3 66.5#  
89 41.5 70.0 105.0#  
182 13.5 1.8 2.6#



#57  
Fluorene  
Concen: 20.50 ng  
RT: 10.46 min Scan# 733  
Delta R.T. 0.03 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

Tgt Ion:166 Resp: 210658  
Ion Ratio Lower Upper  
166 100  
165 117.9 79.0 118.6  
167 55.2 10.6 15.8#

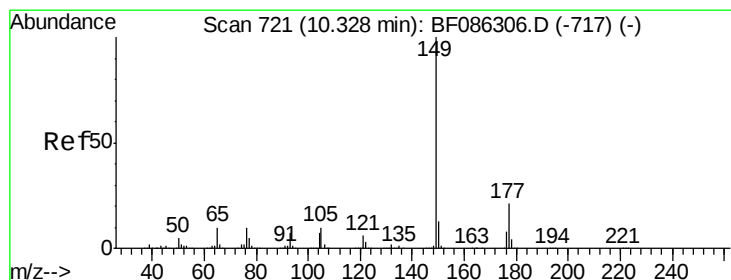
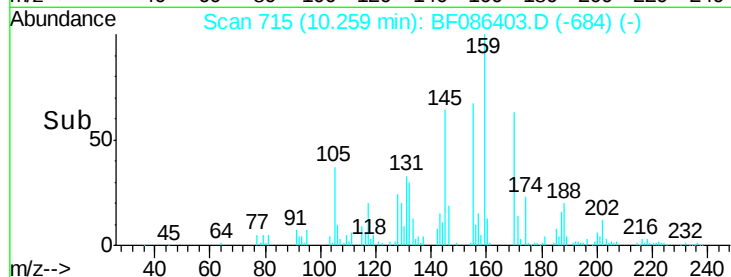
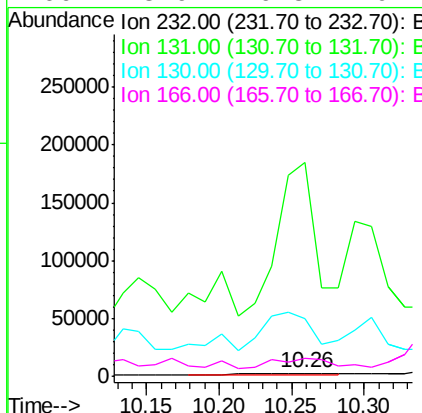
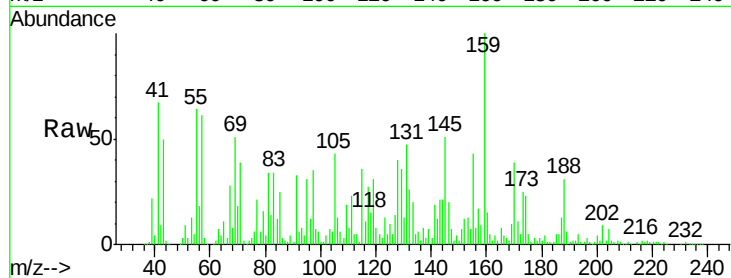




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.47 ng  
 RT: 10.26 min Scan# 715  
 Delta R.T. 0.06 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

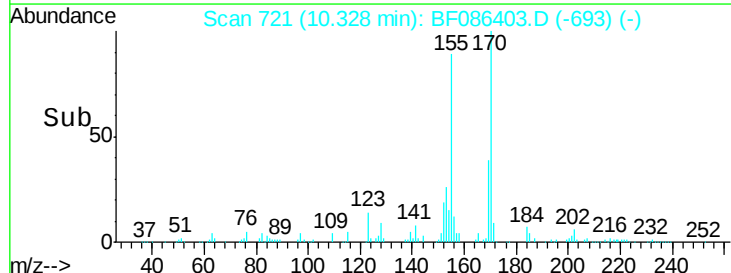
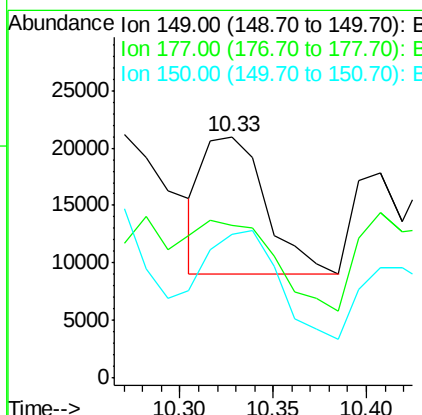
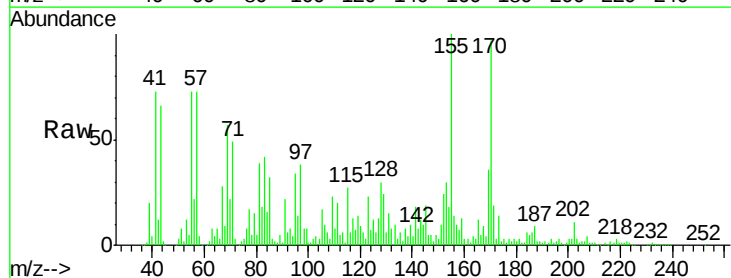
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

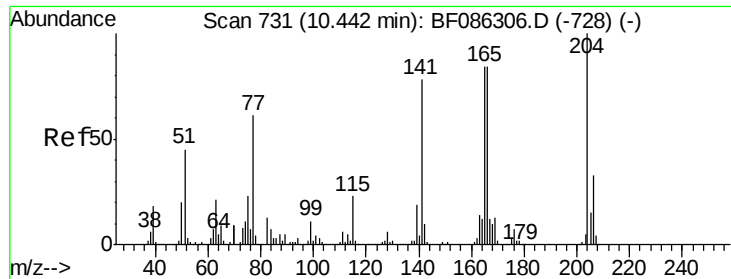
Tgt Ion: 232 Resp: 6023  
 Ion Ratio Lower Upper  
 232 100  
 131 4070.9 41.9 62.9#  
 130 1632.7 2.2 3.4#  
 166 418.9 26.8 40.2#



#59  
 Diethylphthalate  
 Concen: 2.49 ng  
 RT: 10.33 min Scan# 721  
 Delta R.T. 0.02 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion: 149 Resp: 27557  
 Ion Ratio Lower Upper  
 149 100  
 177 63.4 16.6 24.8#  
 150 59.8 10.0 15.0#

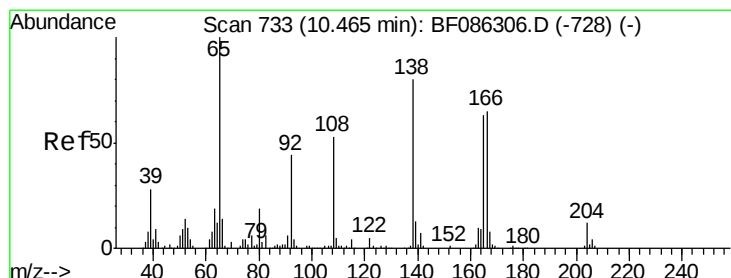
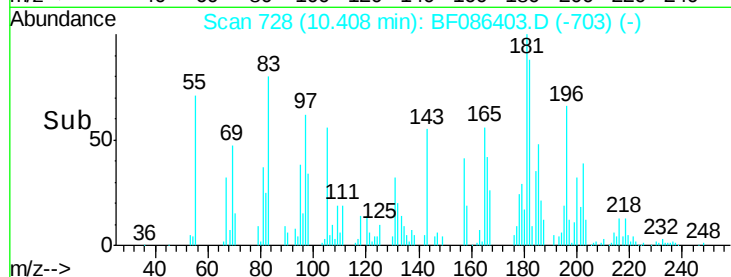
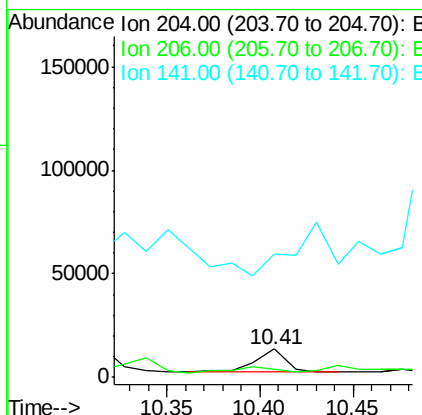
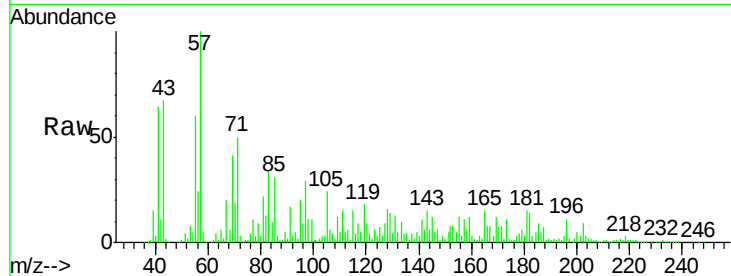




#60  
 4-Chlorophenyl-phenylether  
 Concen: 2.76 ng  
 RT: 10.41 min Scan# 728  
 Delta R.T. -0.01 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

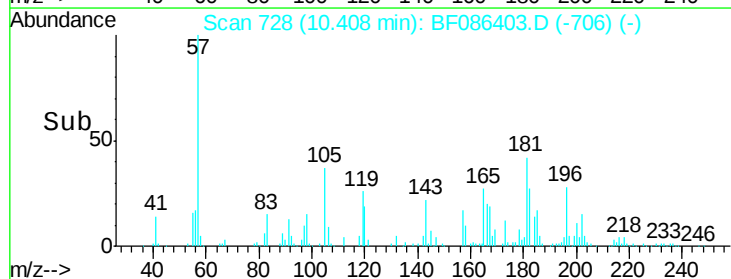
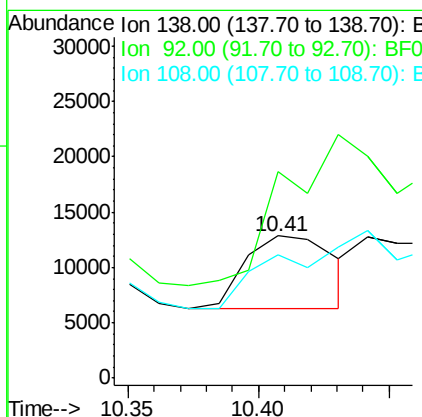
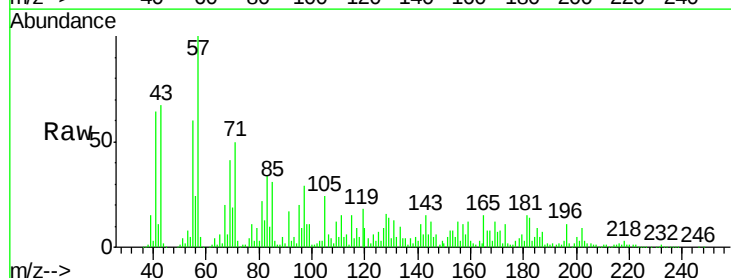
Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-W

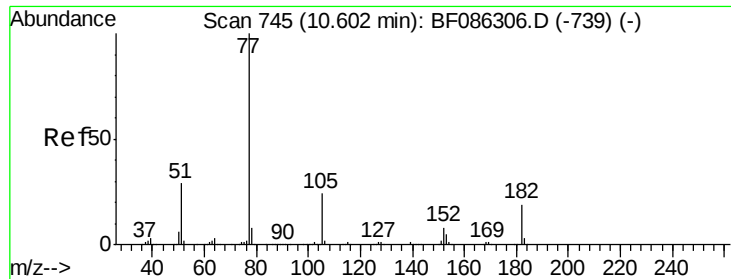
Tgt Ion: 204 Resp: 12414  
 Ion Ratio Lower Upper  
 204 100  
 206 27.4 25.4 38.0  
 141 432.2 61.6 92.4#



#61  
 4-Nitroaniline  
 Concen: 4.88 ng  
 RT: 10.41 min Scan# 728  
 Delta R.T. -0.05 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion: 138 Resp: 15569  
 Ion Ratio Lower Upper  
 138 100  
 92 145.5 24.7 64.7#  
 108 86.5 37.4 77.4#





#62

Azobenzene

Concen: 5.55 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

Tgt Ion: 77 Resp: 63532

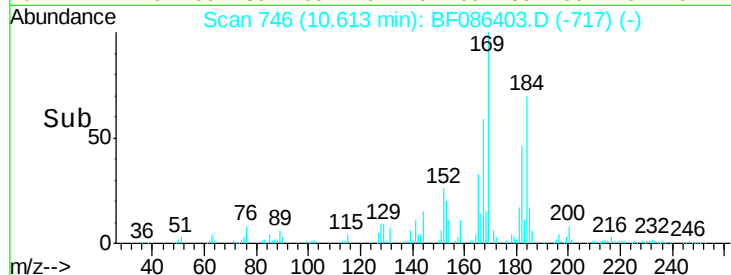
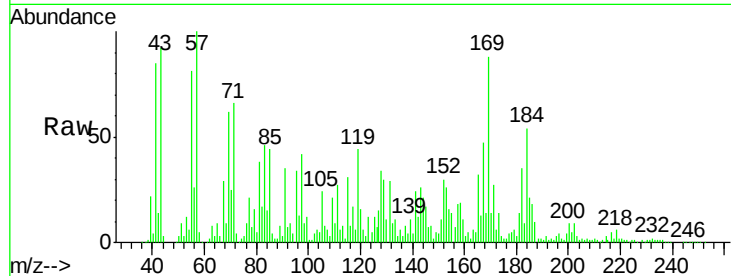
Ion Ratio Lower Upper

77 100

182 169.9 0.0 38.8#

105 115.9 3.2 43.2#

51 44.0 8.8 48.8

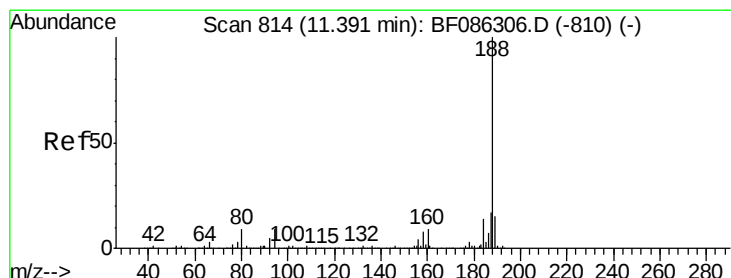
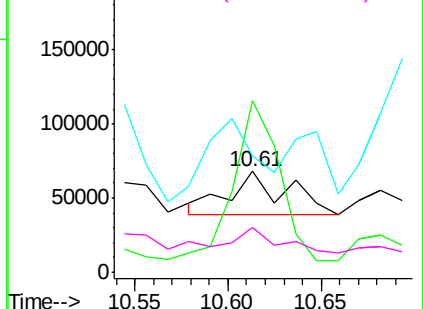


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

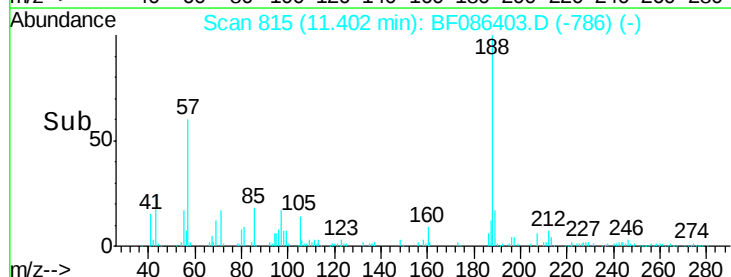
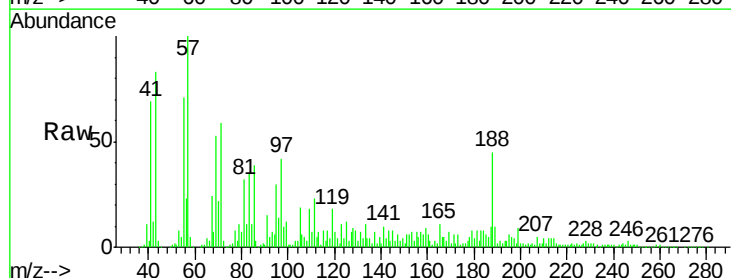
Tgt Ion: 188 Resp: 264620

Ion Ratio Lower Upper

188 100

94 13.1 6.8 10.2#

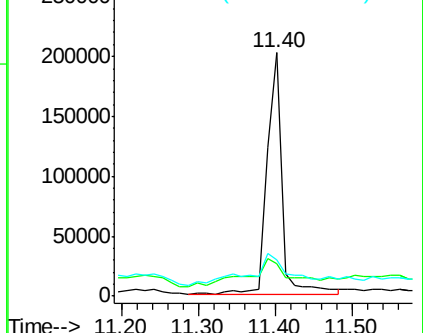
80 15.0 7.1 10.7#

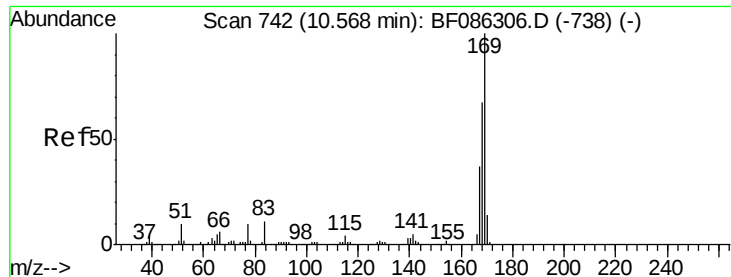


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 57.16 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

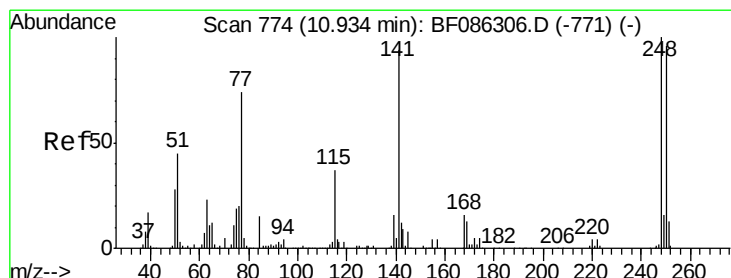
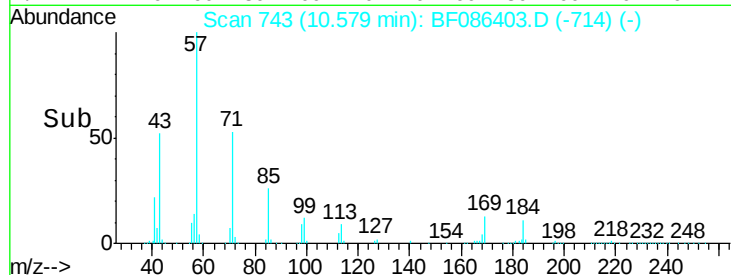
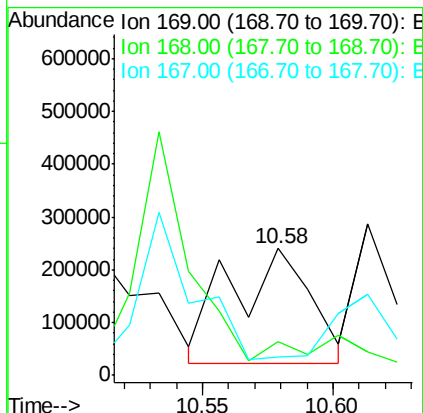
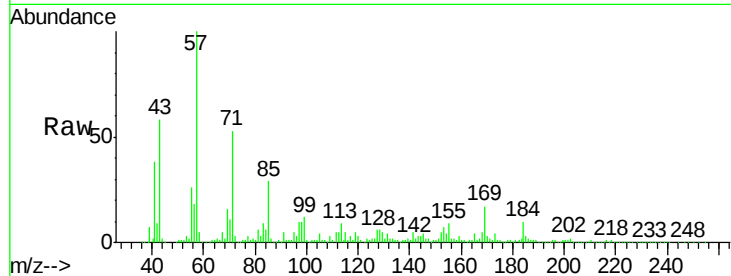
Tgt Ion:169 Resp: 466371

Ion Ratio Lower Upper

169 100

168 27.0 53.8 80.6#

167 14.0 29.5 44.3#



#66

4-Bromophenyl-phenylether

Concen: 2.09 ng

RT: 10.96 min Scan# 776

Delta R.T. 0.05 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

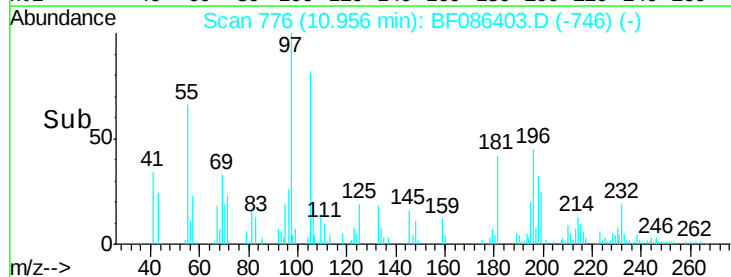
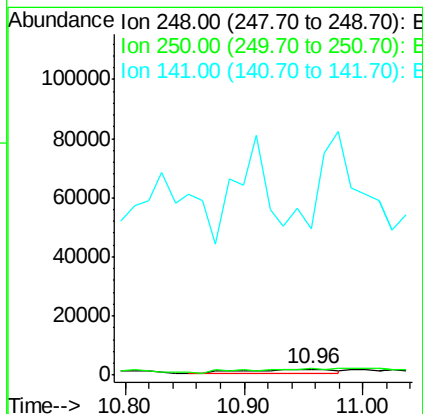
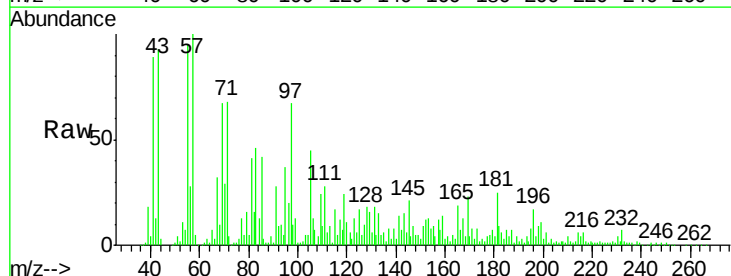
Tgt Ion:248 Resp: 5419

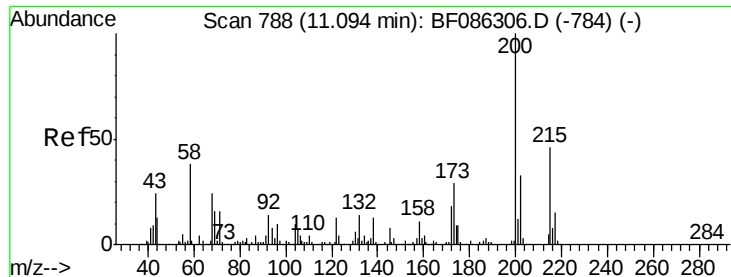
Ion Ratio Lower Upper

248 100

250 114.3 78.6 117.8

141 2566.2 76.0 114.0#

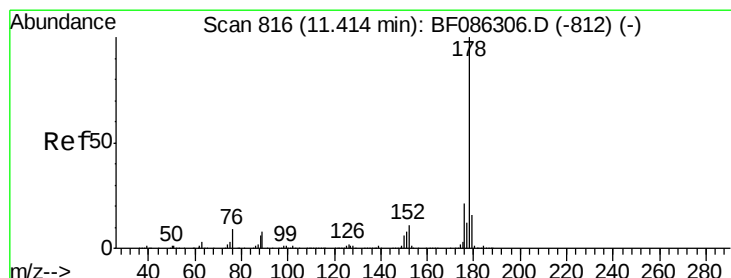
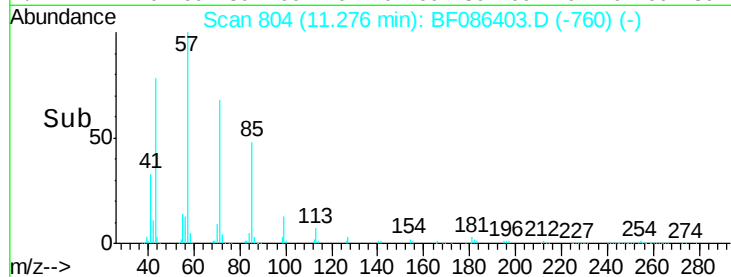
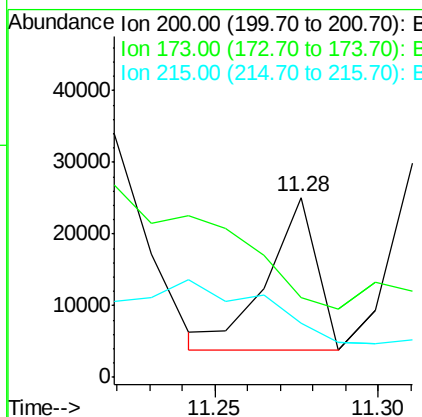
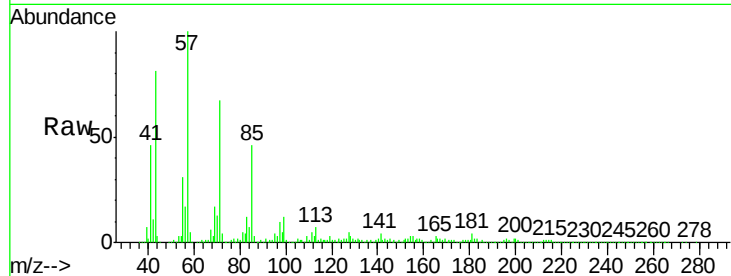




#68  
Atrazine  
Concen: 8.87 ng  
RT: 11.28 min Scan# 804  
Delta R.T. 0.21 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

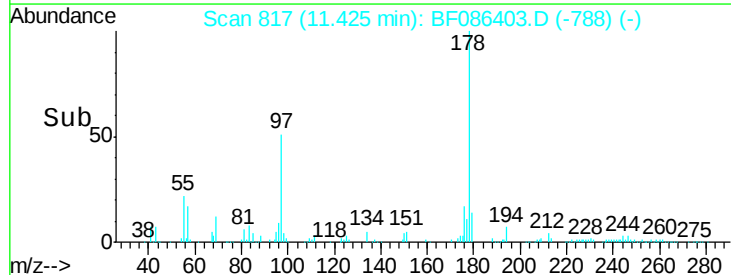
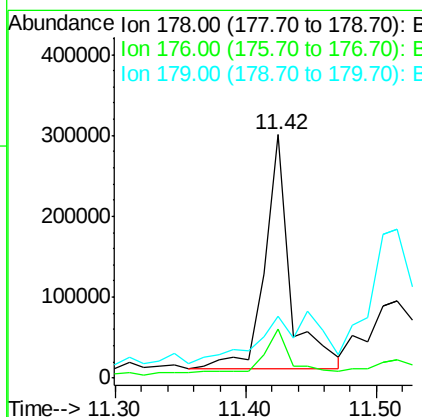
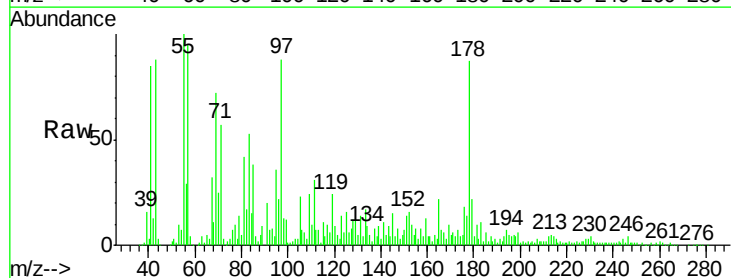
Instrument :  
BNA\_F  
ClientSampleId :  
WC-W

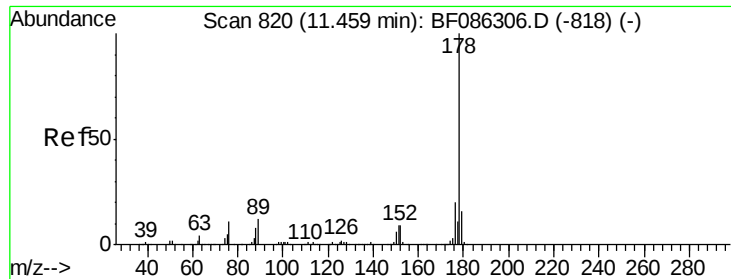
Tgt Ion:200 Resp: 22349  
Ion Ratio Lower Upper  
200 100  
173 44.6 8.5 48.5  
215 30.3 27.2 67.2



#70  
Phenanthrene  
Concen: 30.00 ng  
RT: 11.42 min Scan# 817  
Delta R.T. 0.03 min  
Lab File: BF086403.D  
Acq: 23 Apr 2016 21:21

Tgt Ion:178 Resp: 398922  
Ion Ratio Lower Upper  
178 100  
176 20.4 16.0 24.0  
179 25.2 12.6 18.8#

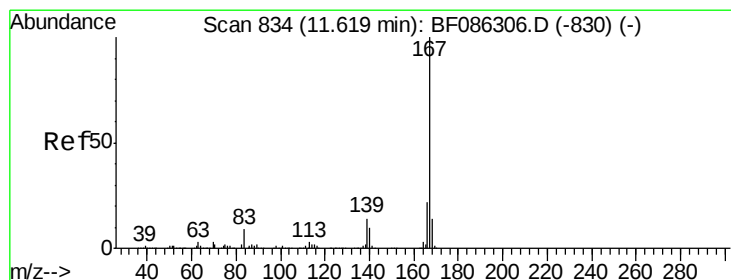
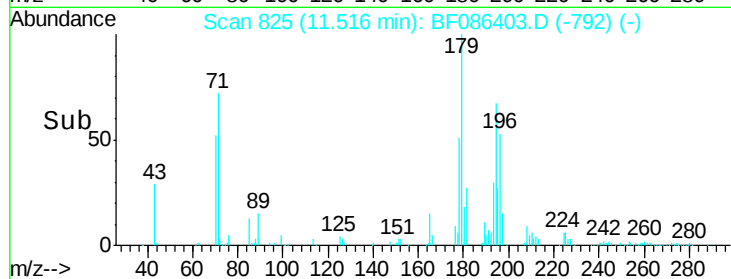
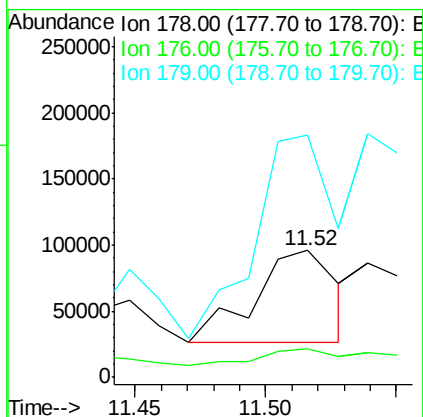
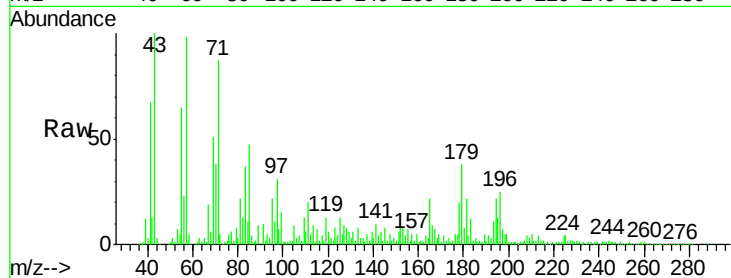




#71  
 Anthracene  
 Concen: 10.05 ng  
 RT: 11.52 min Scan# 825  
 Delta R.T. 0.08 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

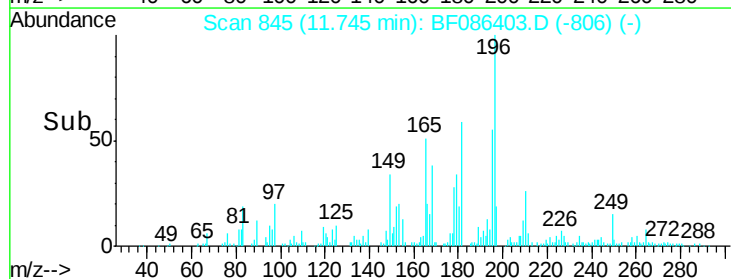
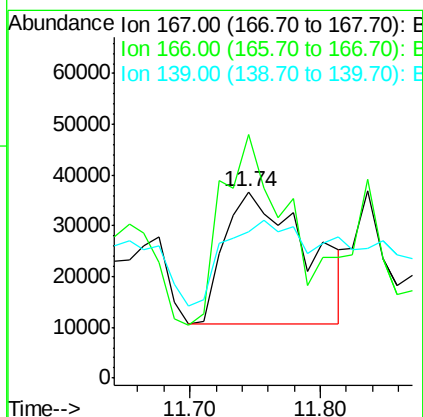
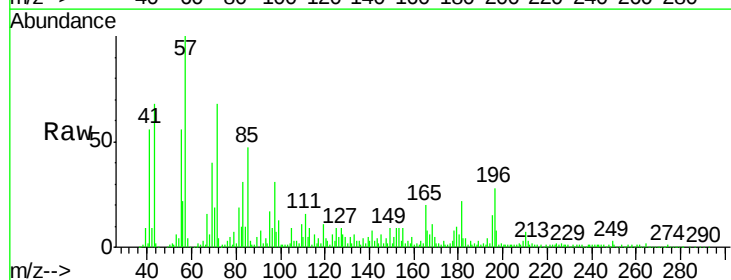
Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-W

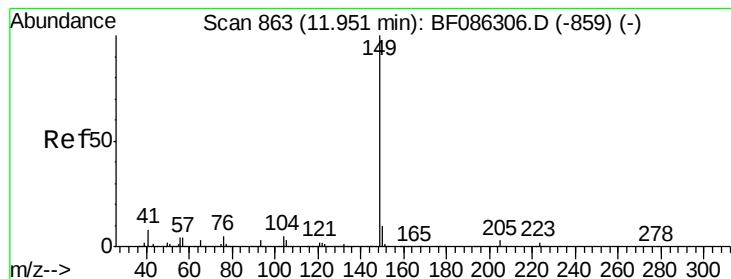
Tgt Ion:178 Resp: 153103  
 Ion Ratio Lower Upper  
 178 100  
 176 23.0 15.6 23.4  
 179 191.2 12.7 19.1#



#72  
 Carbazole  
 Concen: 7.92 ng  
 RT: 11.74 min Scan# 845  
 Delta R.T. 0.15 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion:167 Resp: 113265  
 Ion Ratio Lower Upper  
 167 100  
 166 130.7 17.7 26.5#  
 139 78.2 10.8 16.2#





#73

Di-n-butylphthalate

Concen: 296.49 ng

RT: 11.96 min Scan# 864

Delta R.T. 0.03 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

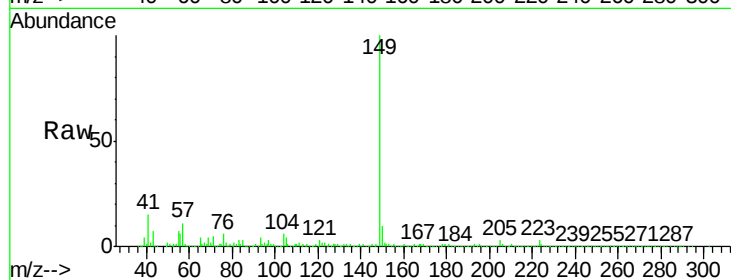
Tgt Ion:149 Resp: 4462994

Ion Ratio Lower Upper

149 100

150 10.3 7.6 11.4

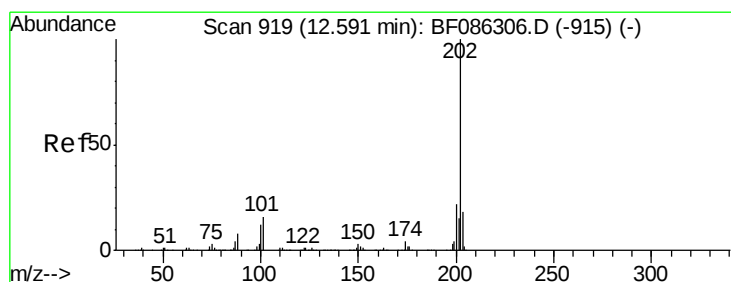
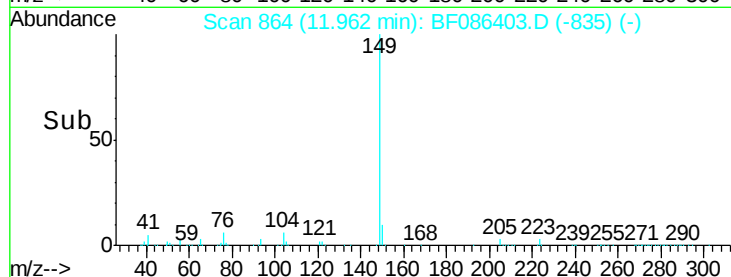
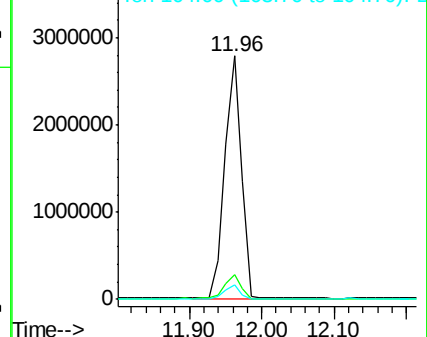
104 6.0 3.8 5.6#



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: 8.14 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.25 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

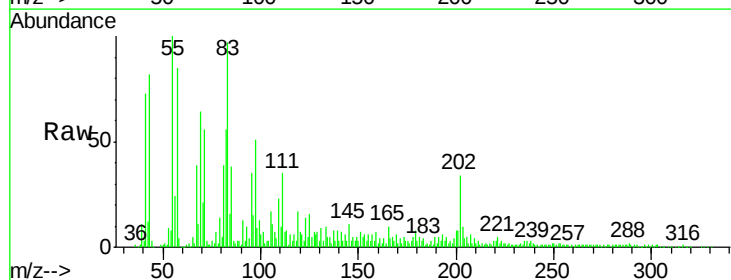
Tgt Ion:202 Resp: 116736

Ion Ratio Lower Upper

202 100

101 20.2 0.0 35.4

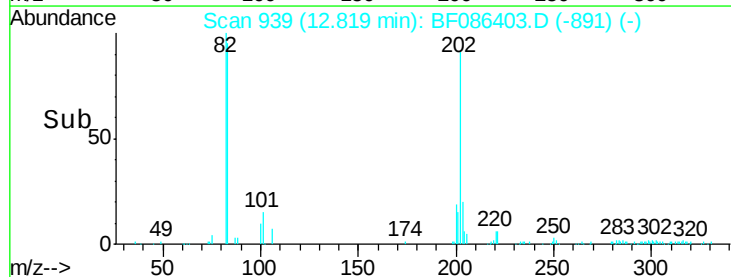
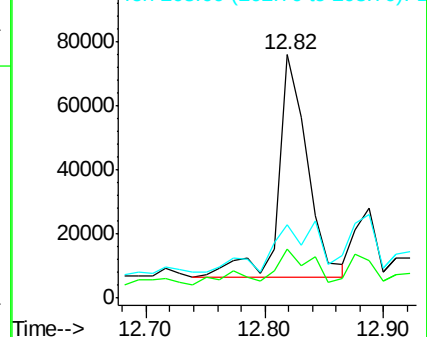
203 30.1 0.0 38.1

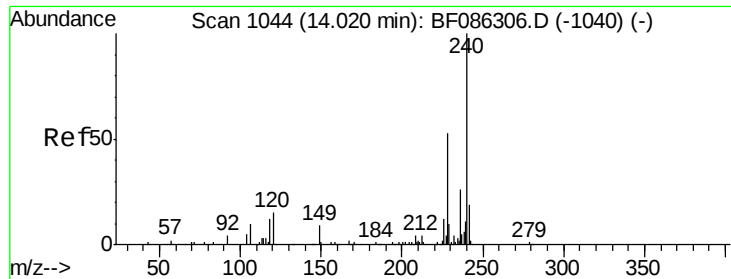


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

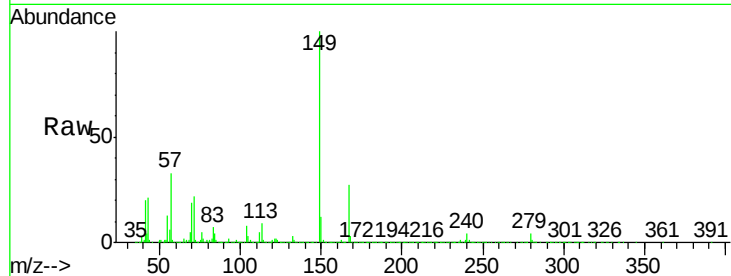
Tgt Ion:240 Resp: 106683

Ion Ratio Lower Upper

240 100

120 12.4 11.2 16.8

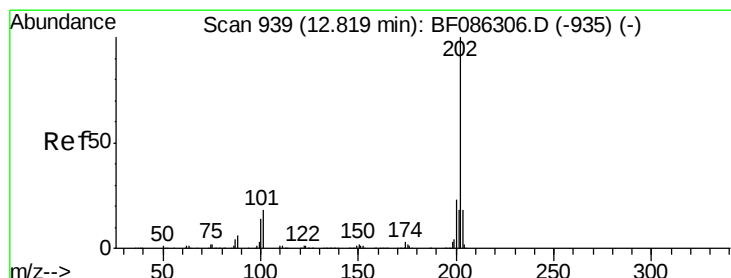
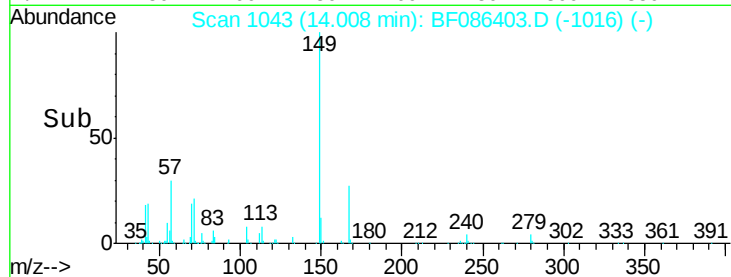
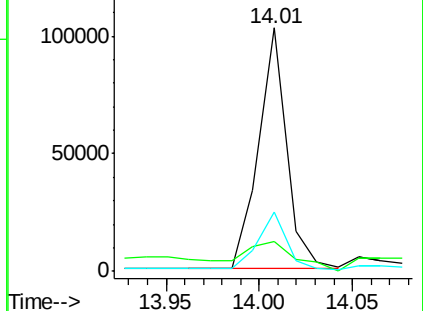
236 24.3 21.2 31.8



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: 15.69 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.02 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

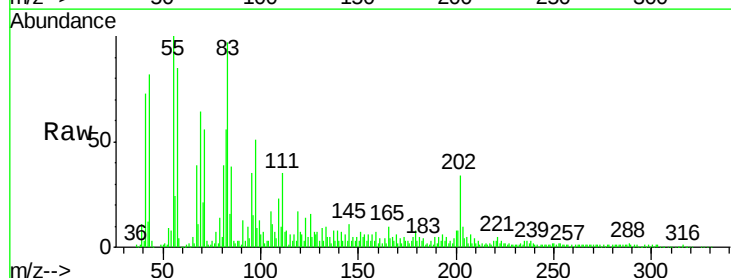
Tgt Ion:202 Resp: 116736

Ion Ratio Lower Upper

202 100

200 23.6 17.7 26.5

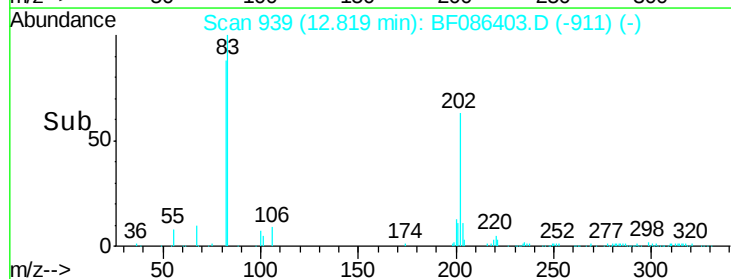
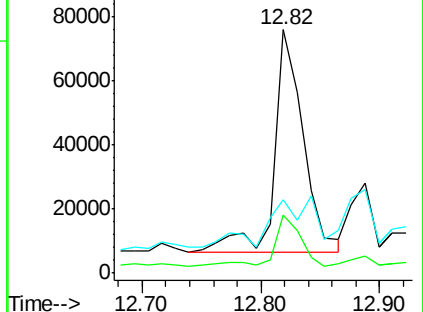
203 30.1 14.2 21.4#

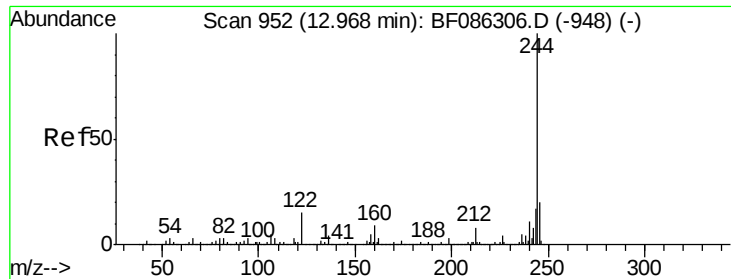


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

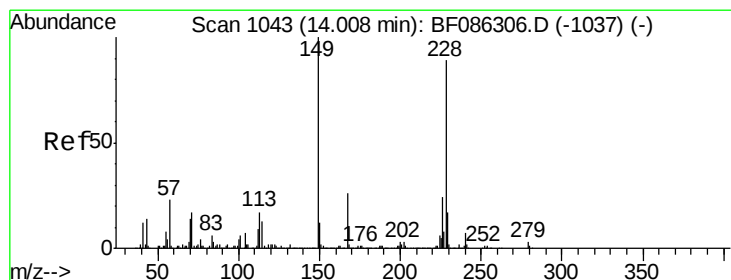
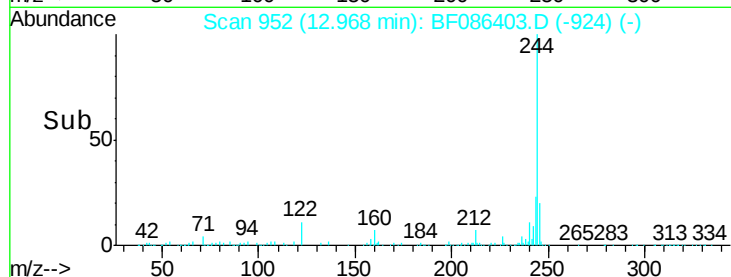
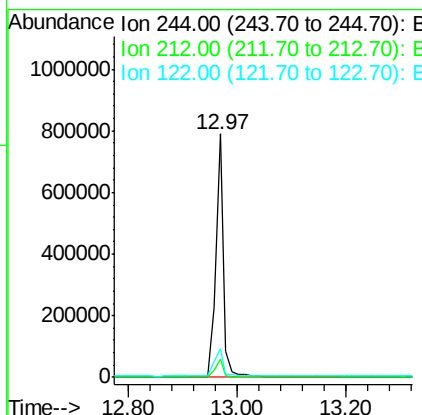
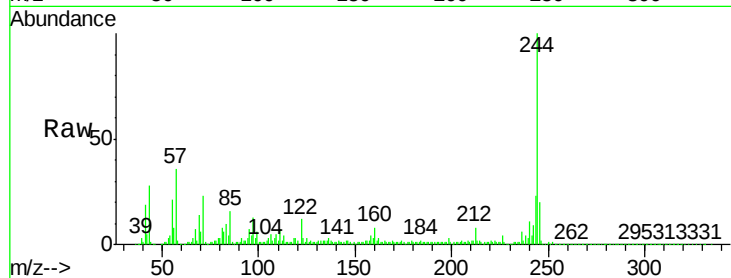




#78  
 Terphenyl-d14  
 Concen: 184.96 ng  
 RT: 12.97 min Scan# 952  
 Delta R.T. 0.02 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

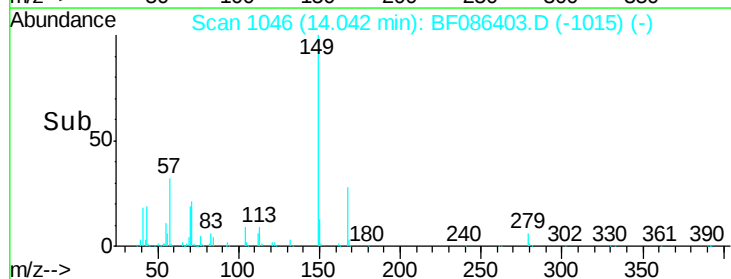
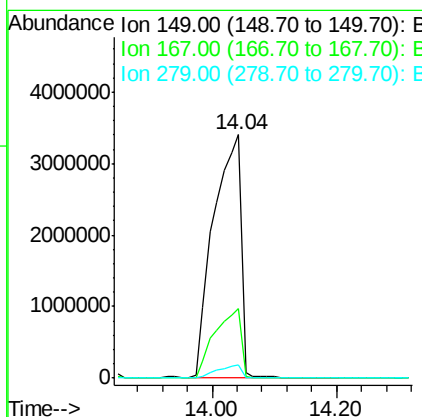
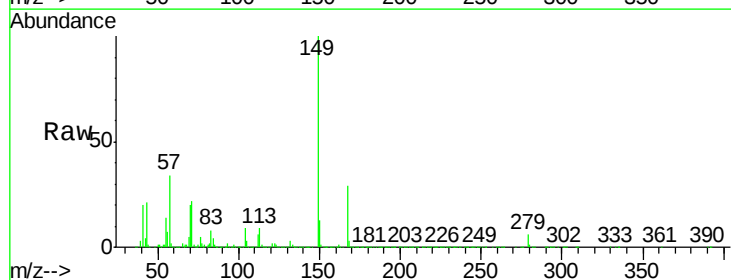
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-W

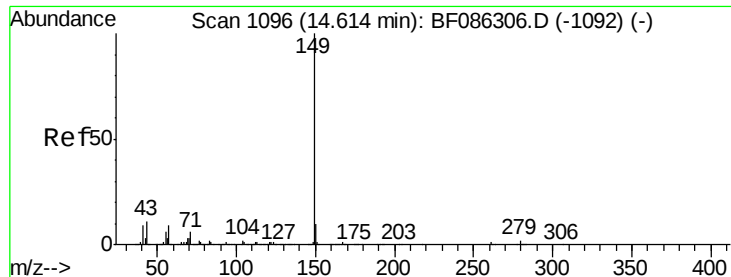
Tgt Ion:244 Resp: 794191  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 11.8 12.0 18.0#



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2669.12 ng  
 RT: 14.04 min Scan# 1046  
 Delta R.T. 0.06 min  
 Lab File: BF086403.D  
 Acq: 23 Apr 2016 21:21

Tgt Ion:149 Resp:10359163  
 Ion Ratio Lower Upper  
 149 100  
 167 28.6 21.8 32.6  
 279 5.6 2.6 4.0#





#84

Di-n-octyl phthalate

Concen: 3.11 ng

RT: 14.58 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

Instrument :

BNA\_F

ClientSampleId :

WC-W

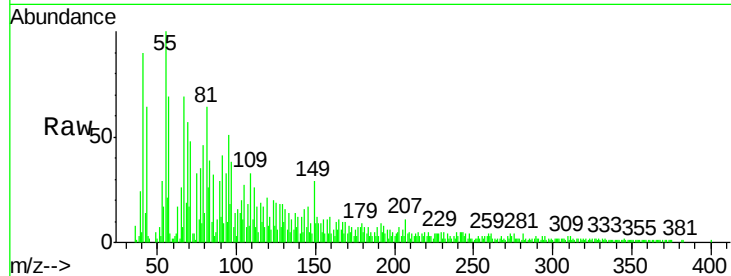
Tgt Ion:149 Resp: 23160

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

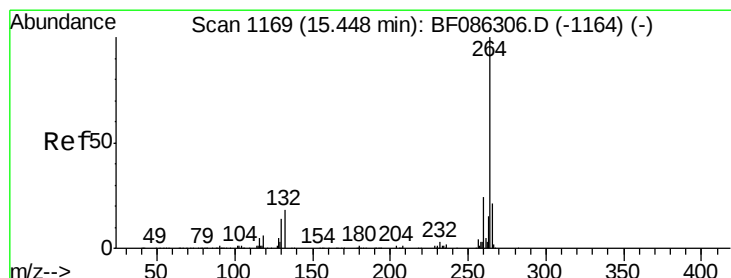
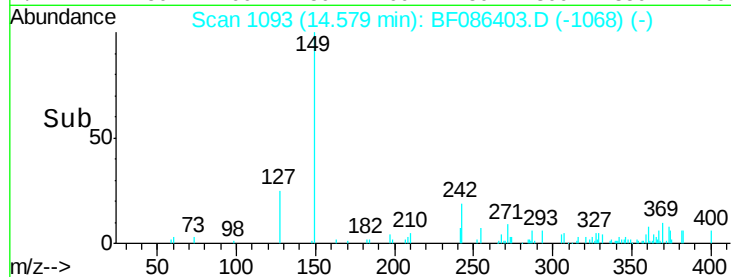
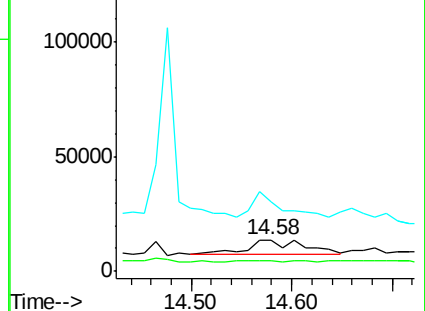
43 122.1 8.2 12.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF086403.D

Acq: 23 Apr 2016 21:21

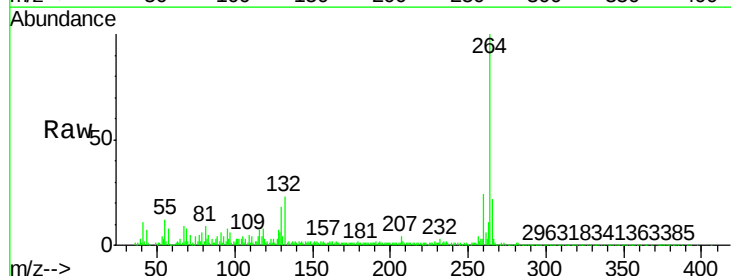
Tgt Ion:264 Resp: 248411

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

