

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040416\  
 Data File : BF086042.D  
 Acq On : 4 Apr 2016 17:07  
 Operator : UM/SJ  
 Sample : H2180-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK2-1-20160401

Quant Time: Apr 05 00:57:07 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 | 6.76  | 152  | 123009   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.04  | 136  | 462721   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.80  | 164  | 200118   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.28 | 188  | 346870   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.92 | 240  | 232946   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.32 | 264  | 212310   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.36  | 112  | 792176   | 110.08 | ng    | -0.01    |
| 7) Phenol-d6                | 6.41  | 99   | 910332   | 99.59  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 636001   | 81.06  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 228412   | 121.61 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 905028   | 75.19  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.86 | 244  | 609109   | 61.47  | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.53  | 93   | 1038     | 0.09  | ng    | # 1    |
| 8) 2-Chlorophenol              | 6.54  | 128  | 224      | 0.03  | ng    | # 1    |
| 9) Benzaldehyde                | 6.37  | 77   | 1939     | 0.39  | ng    | 93     |
| 10) Phenol                     | 6.42  | 94   | 5123     | 0.49  | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.53  | 93   | 1038     | 0.13  | ng    | # 1    |
| 12) 1,3-Dichlorobenzene        | 6.78  | 146  | 1418     | 0.16  | ng    | # 69   |
| 13) 1,4-Dichlorobenzene        | 6.78  | 146  | 1418     | 0.15  | ng    | # 87   |
| 14) 1,2-Dichlorobenzene        | 6.78  | 146  | 1418     | 0.16  | ng    | # 89   |
| 15) Benzyl Alcohol             | 6.91  | 79   | 9619     | 1.63  | ng    | # 49   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17  | 45   | 653      | 0.06  | ng    | # 65   |
| 17) 2-Methylphenol             | 7.26  | 107  | 714      | 0.11  | ng    | # 58   |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 86442    | 15.26 | ng    | # 76   |
| 20) 3+4-Methylphenols          | 7.26  | 107  | 714      | 0.09  | ng    | # 38   |
| 22) Acetophenone               | 7.21  | 105  | 791      | 0.07  | ng    | # 53   |
| 24) Nitrobenzene               | 7.33  | 77   | 1789     | 0.21  | ng    | # 40   |
| 25) Isophorone                 | 7.33  | 82   | 635987   | 41.06 | ng    | # 68   |
| 27) 2,4-Dimethylphenol         | 7.76  | 122  | 213      | 0.03  | ng    | # 70   |
| 28) bis(2-Chloroethoxy)methane | 7.63  | 93   | 723      | 0.08  | ng    | # 86   |
| 31) Naphthalene                | 8.08  | 128  | 17336    | 0.74  | ng    | # 99   |
| 32) Benzoic acid               | 7.82  | 122  | 3586     | 0.66  | ng    | # 84   |
| 33) 4-Chloroaniline            | 8.08  | 127  | 2191     | 0.23  | ng    | # 30   |
| 36) 4-Chloro-3-methylphenol    | 8.57  | 107  | 251      | 0.04  | ng    | # 21   |
| 37) 2-Methylnaphthalene        | 8.76  | 142  | 14325    | 0.94  | ng    | # 96   |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 3310     | 0.19  | ng    | # 94   |
| 46) 2-Chloronaphthalene        | 9.39  | 162  | 220      | 0.02  | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.52  | 65   | 2521     | 0.69  | ng    | # 1    |
| 48) Acenaphthylene             | 9.66  | 152  | 52245    | 2.61  | ng    | # 98   |
| 49) Dimethylphthalate          | 9.52  | 163  | 131216   | 8.85  | ng    | # 99   |
| 50) 2,6-Dinitrotoluene         | 9.52  | 165  | 3233     | 1.03  | ng    | # 1    |
| 51) Acenaphthene               | 9.84  | 154  | 7719     | 0.65  | ng    | # 97   |
| 52) 3-Nitroaniline             | 9.77  | 138  | 211      | 0.06  | ng    | # 1    |
| 54) Dibenzofuran               | 10.01 | 168  | 9105     | 0.58  | ng    | # 88   |
| 55) 4-Nitrophenol              | 9.90  | 139  | 1592     | 0.71  | ng    | # 1    |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 27182    | 6.85  | ng    | # 38   |

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 Operator : UM/SJ  
 Sample : H2180-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

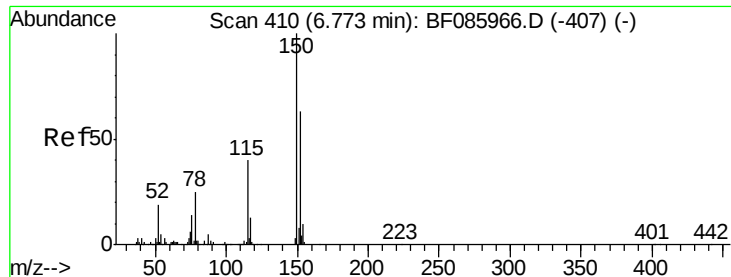
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK2-1-20160401

Quant Time: Apr 05 00:57:07 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                   | 10.35 | 166  | 11962    | 0.89  | ng    | # 93     |
| 59) Diethylphthalate           | 10.22 | 149  | 1891     | 0.13  | ng    | # 62     |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 209      | 0.03  | ng    | # 1      |
| 61) 4-Nitroaniline             | 10.35 | 138  | 103      | 0.03  | ng    | # 50     |
| 62) Azobenzene                 | 10.51 | 77   | 943      | 0.07  | ng    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 10.59 | 198  | 592      | 0.28  | ng    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.45 | 169  | 3684     | 0.34  | ng    | # 65     |
| 66) 4-Bromophenyl-phenylether  | 10.59 | 248  | 14657    | 4.14  | ng    | # 1      |
| 69) Pentachlorophenol          | 11.10 | 266  | 328      | 0.19  | ng    | 91       |
| 70) Phenanthrene               | 11.31 | 178  | 183678   | 9.71  | ng    | 99       |
| 71) Anthracene                 | 11.36 | 178  | 55470    | 2.80  | ng    | 97       |
| 72) Carbazole                  | 11.53 | 167  | 27929    | 1.64  | ng    | # 90     |
| 73) Di-n-butylphthalate        | 11.85 | 149  | 21129    | 1.00  | ng    | # 93     |
| 74) Fluoranthene               | 12.49 | 202  | 325021   | 16.51 | ng    | 99       |
| 76) Benzidine                  | 12.56 | 184  | 865      | 0.11  | ng    | # 1      |
| 77) Pyrene                     | 12.72 | 202  | 282081   | 17.18 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.34 | 149  | 6304     | 0.85  | ng    | # 66     |
| 80) Benzo(a)anthracene         | 13.91 | 228  | 162731   | 11.85 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 13.87 | 252  | 2463     | 0.25  | ng    | # 49     |
| 82) Chrysene                   | 13.94 | 228  | 125316   | 9.47  | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 19783    | 2.02  | ng    | # 95     |
| 84) Di-n-octyl phthalate       | 14.51 | 149  | 1749     | 0.11  | ng    | # 78     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.68 | 276  | 94281    | 8.79  | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 14.93 | 252  | 280403   | 21.00 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 14.93 | 252  | 280403   | 23.71 | ng    | # 94     |
| 89) Benzo(a)pyrene             | 15.27 | 252  | 139288   | 11.77 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.68 | 278  | 23027    | 2.42  | ng    | # 82     |
| 91) Benzo(g,h,i)perylene       | 17.08 | 276  | 89792    | 9.75  | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

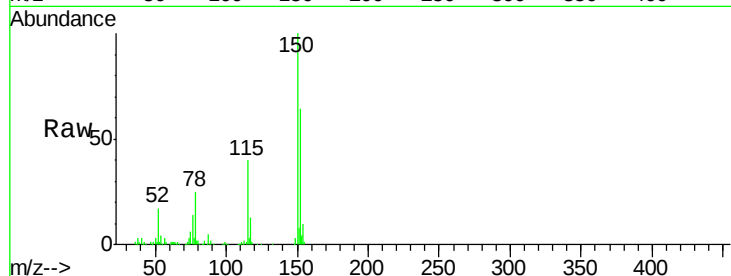
Tgt Ion:152 Resp: 123009

Ion Ratio Lower Upper

152 100

150 156.3 124.2 186.2

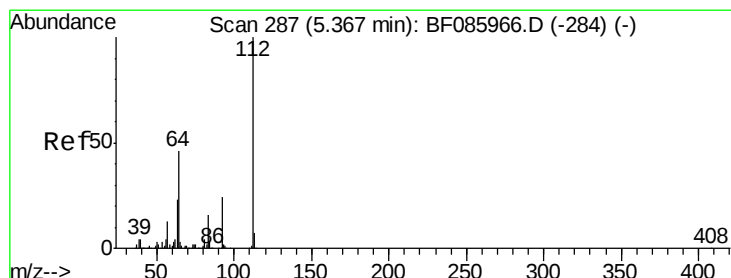
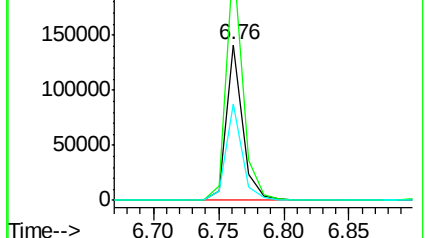
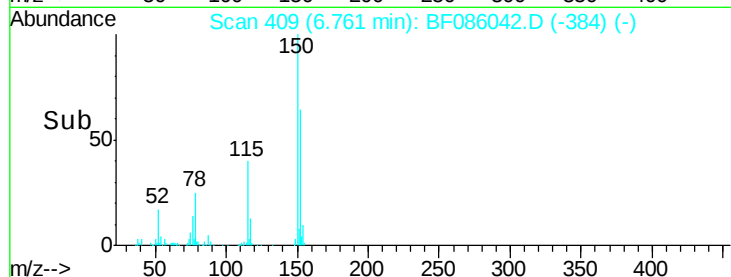
115 62.0 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 110.08 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

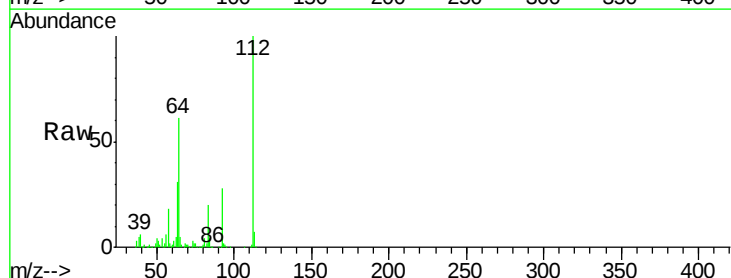
Tgt Ion:112 Resp: 792176

Ion Ratio Lower Upper

112 100

64 61.1 39.9 59.9#

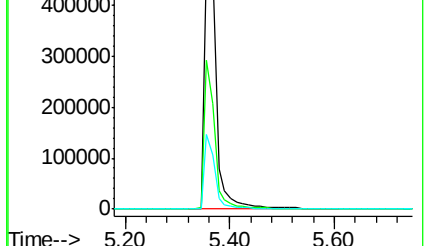
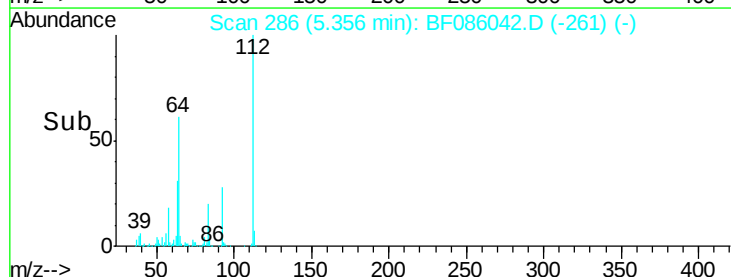
63 30.7 20.2 30.2#

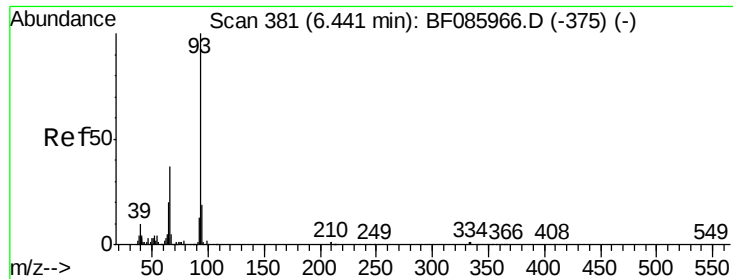


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.09 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.09 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

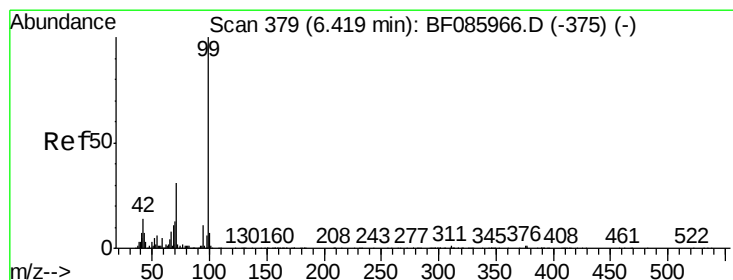
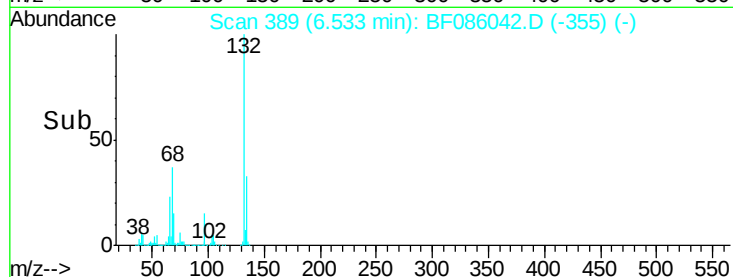
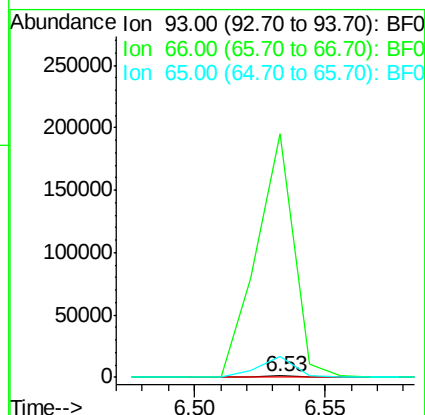
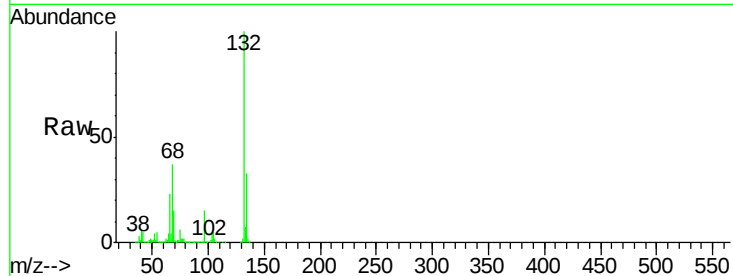
Tgt Ion: 93 Resp: 1038

Ion Ratio Lower Upper

93 100

66 16621.5 31.4 47.2#

65 1401.7 15.7 23.5#



#7

Phenol-d6

Concen: 99.59 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

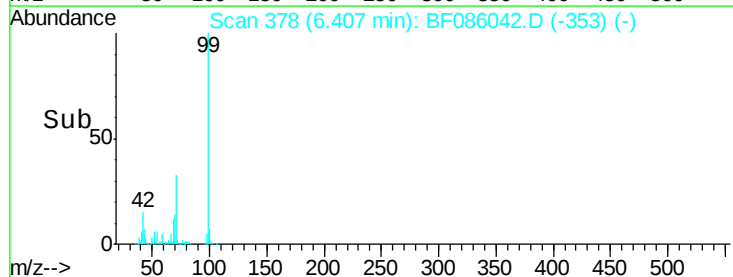
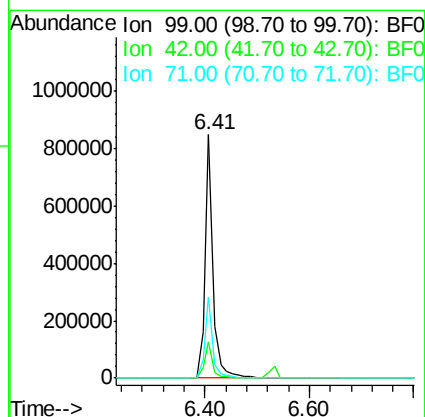
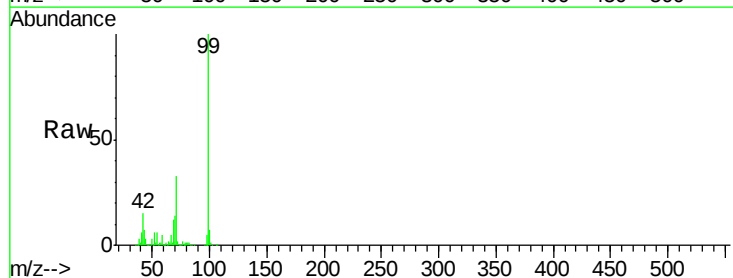
Tgt Ion: 99 Resp: 910332

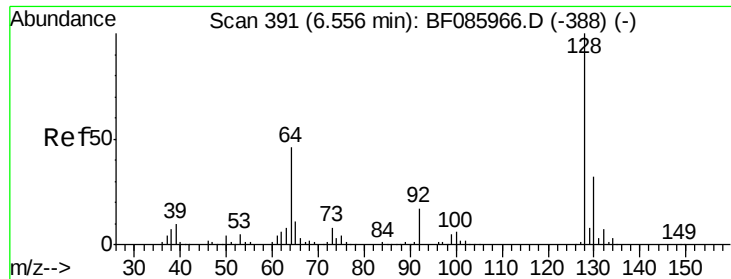
Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

71 33.0 24.9 37.3





#8

2-Chlorophenol

Concen: 0.03 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

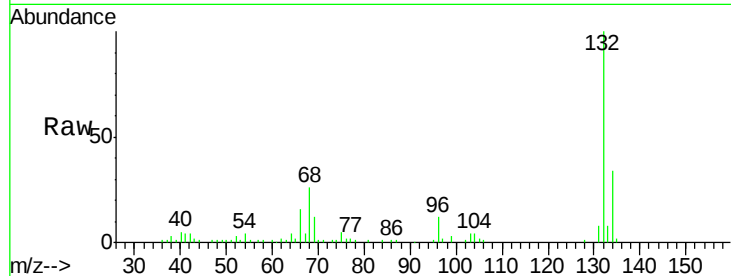
Tgt Ion:128 Resp: 224

Ion Ratio Lower Upper

128 100

130 0.0 12.9 52.9#

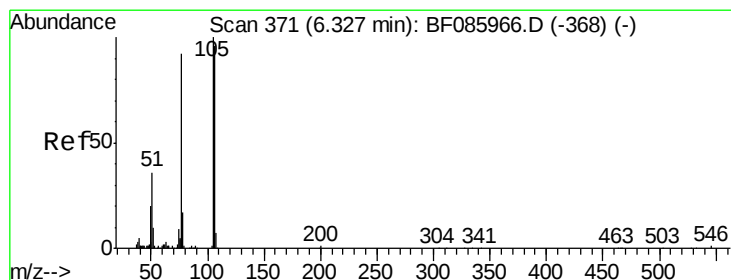
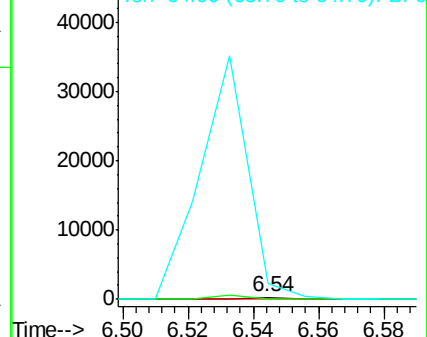
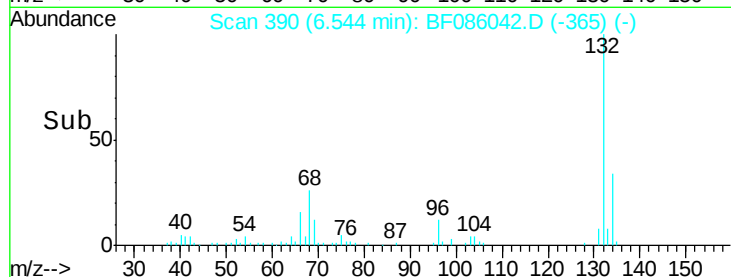
64 701.8 20.2 60.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.39 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.05 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

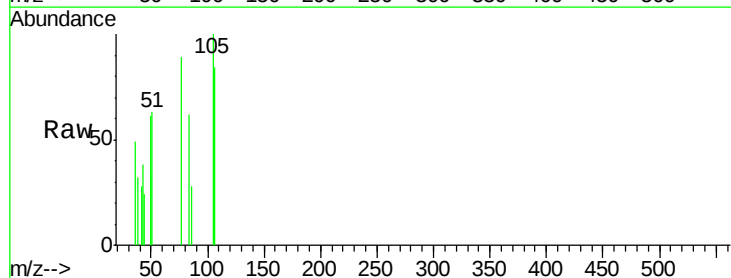
Tgt Ion: 77 Resp: 1939

Ion Ratio Lower Upper

77 100

105 112.9 80.1 120.1

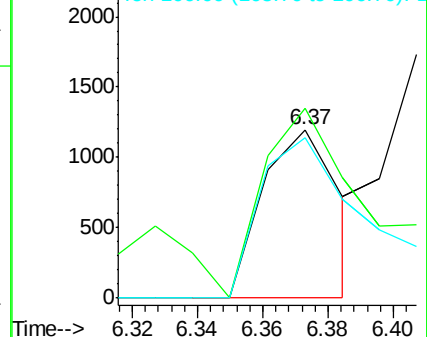
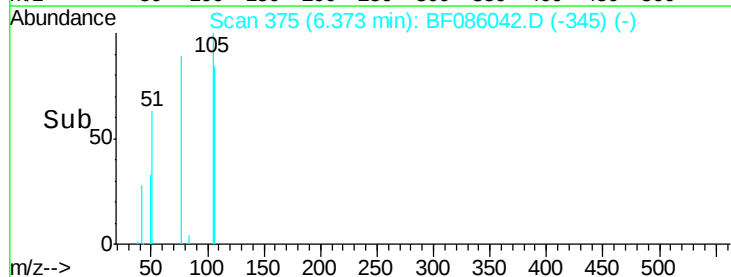
106 95.1 75.0 115.0

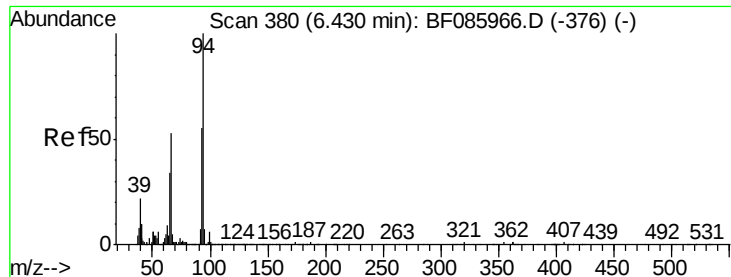


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.49 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

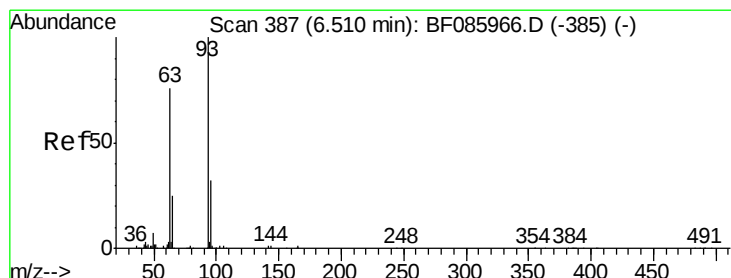
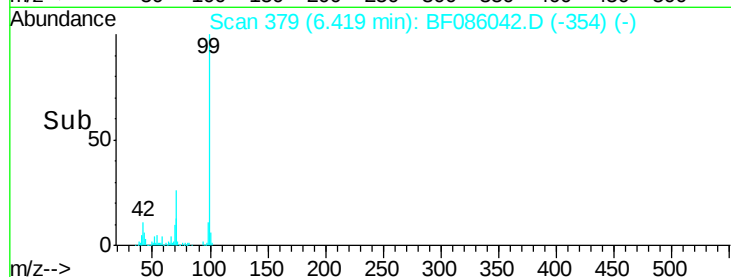
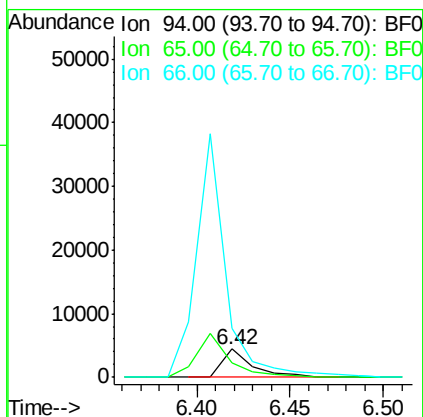
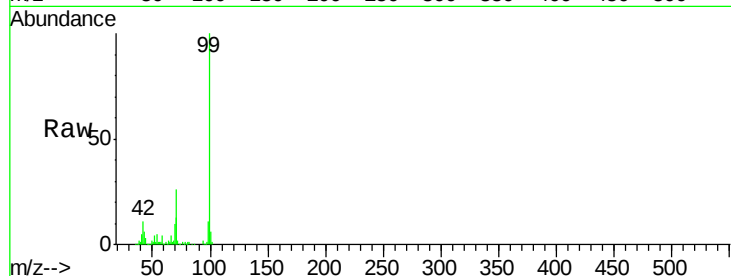
Tgt Ion: 94 Resp: 5123

Ion Ratio Lower Upper

94 100

65 53.7 8.6 48.6#

66 176.4 20.0 60.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.13 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

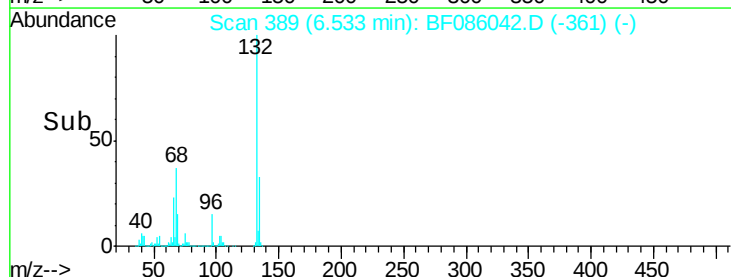
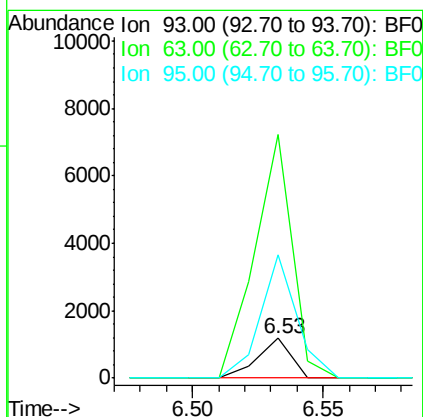
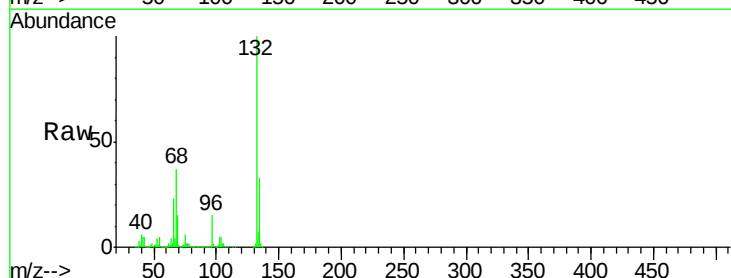
Tgt Ion: 93 Resp: 1038

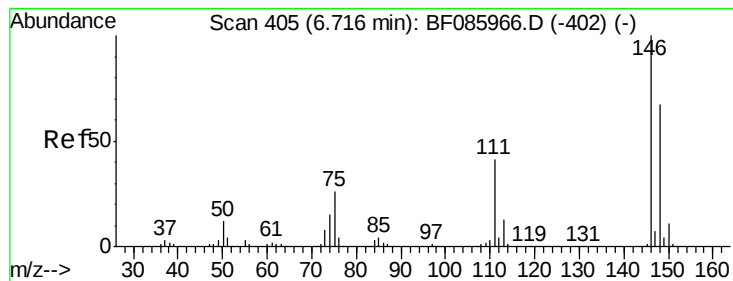
Ion Ratio Lower Upper

93 100

63 615.2 50.9 90.9#

95 310.7 13.3 53.3#





#12

1,3-Dichlorobenzene

Concen: 0.16 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.07 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

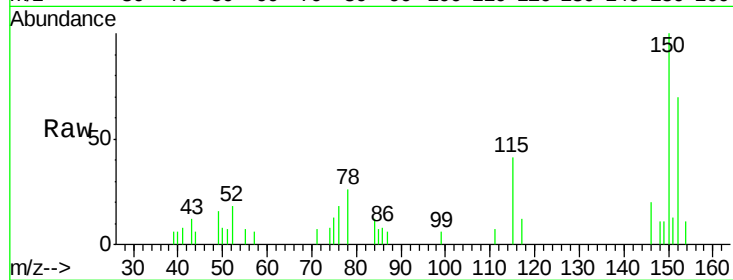
Tgt Ion:146 Resp: 1418

Ion Ratio Lower Upper

146 100

148 56.1 52.3 78.5

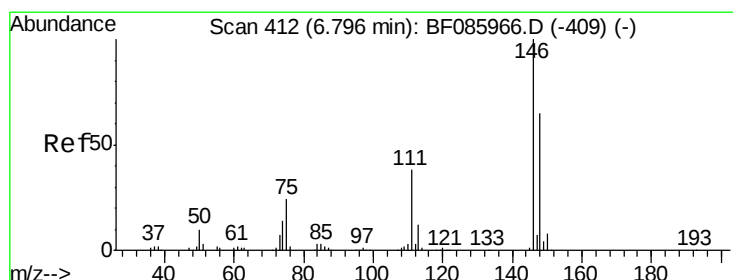
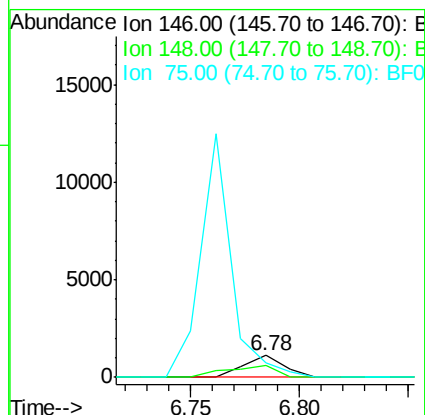
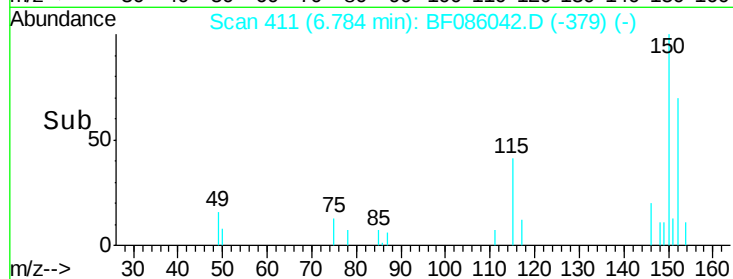
75 63.7 17.4 26.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.15 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

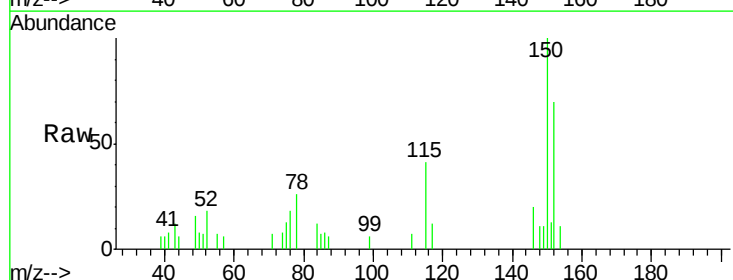
Tgt Ion:146 Resp: 1418

Ion Ratio Lower Upper

146 100

148 56.1 50.6 76.0

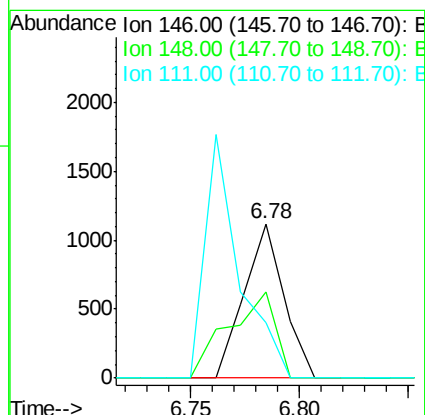
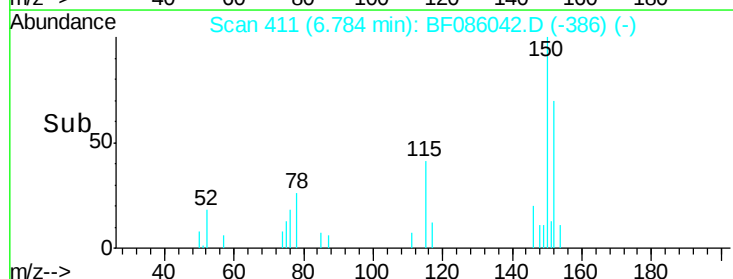
111 35.7 37.8 56.6#

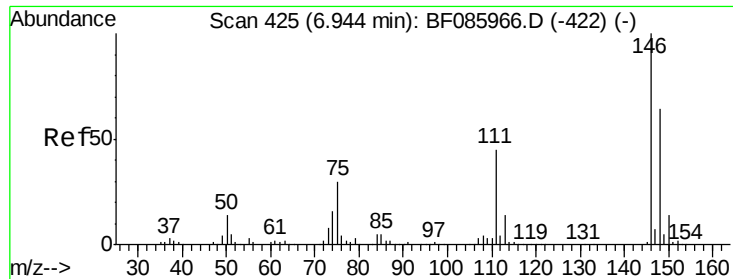


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.16 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.16 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

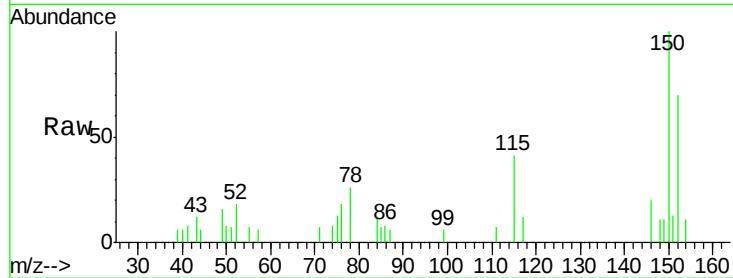
Tgt Ion:146 Resp: 1418

Ion Ratio Lower Upper

146 100

148 56.1 51.4 77.2

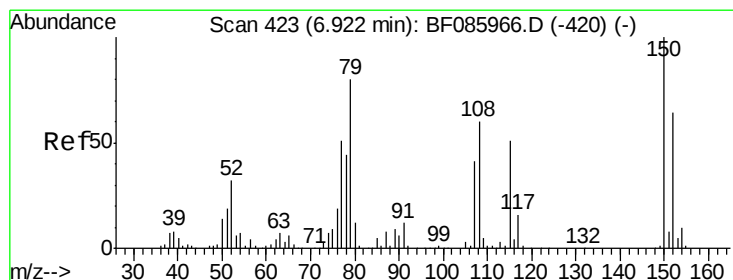
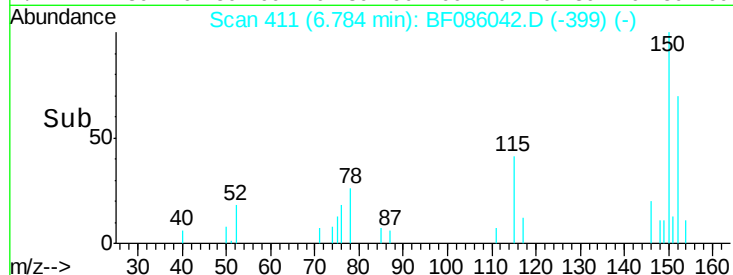
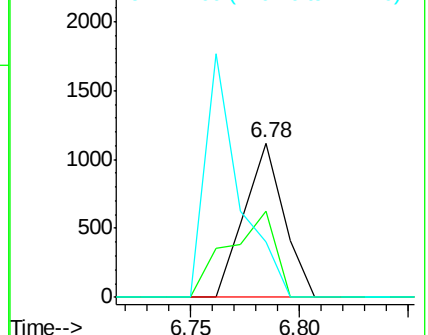
111 35.7 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.63 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

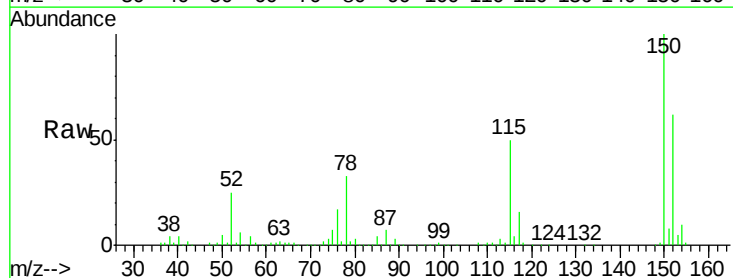
Tgt Ion: 79 Resp: 9619

Ion Ratio Lower Upper

79 100

108 30.0 61.8 92.6#

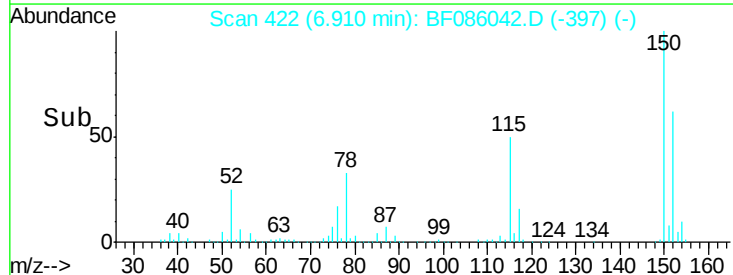
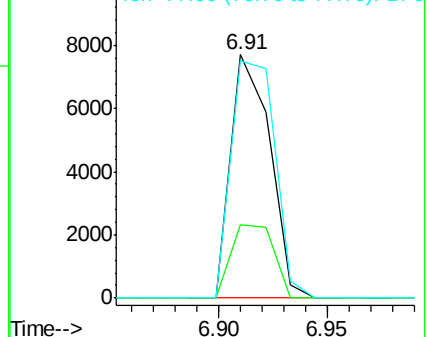
77 97.6 49.6 74.4#

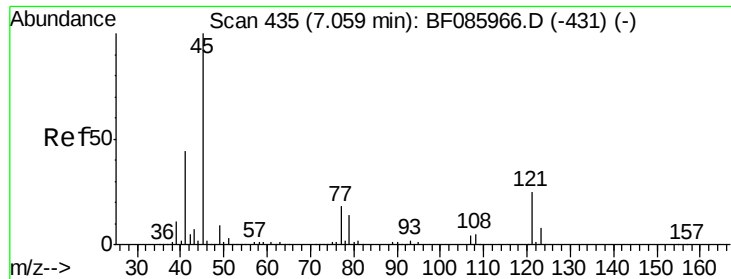


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

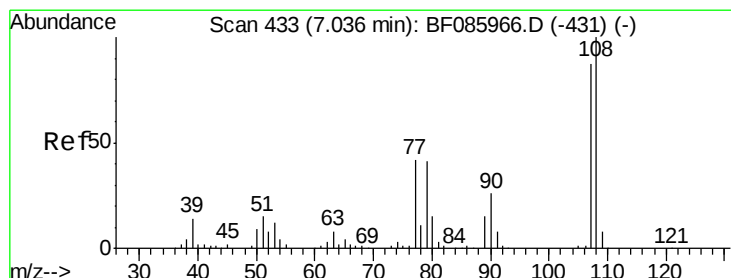
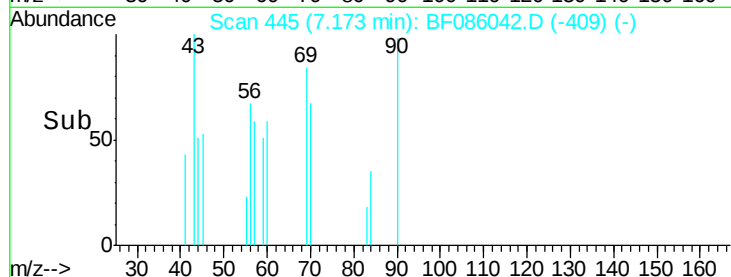
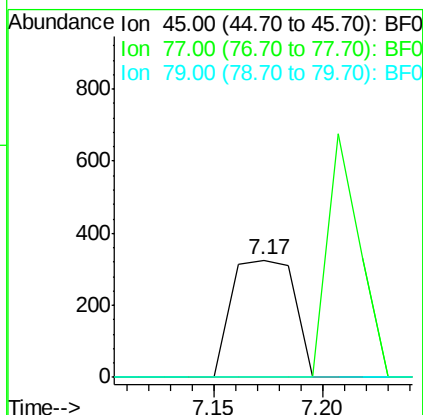
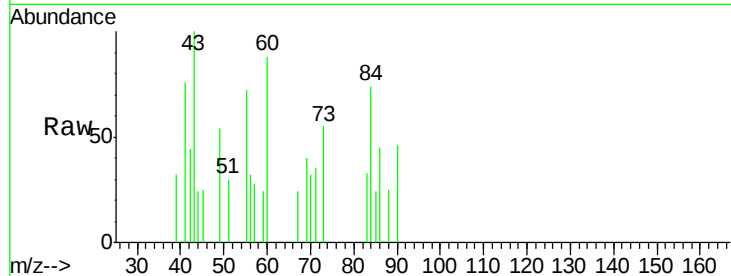




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.06 ng  
RT: 7.17 min Scan# 445  
Delta R.T. 0.11 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

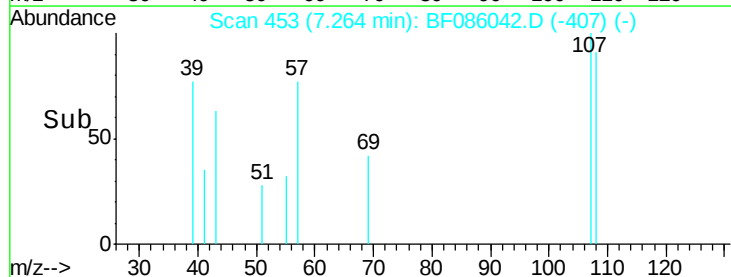
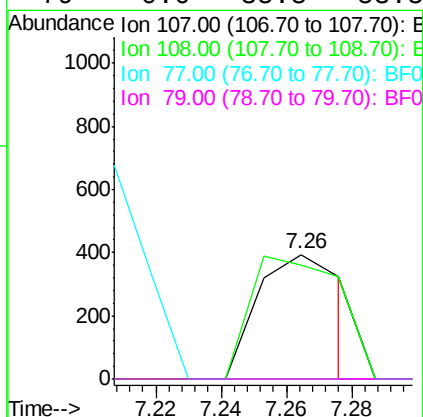
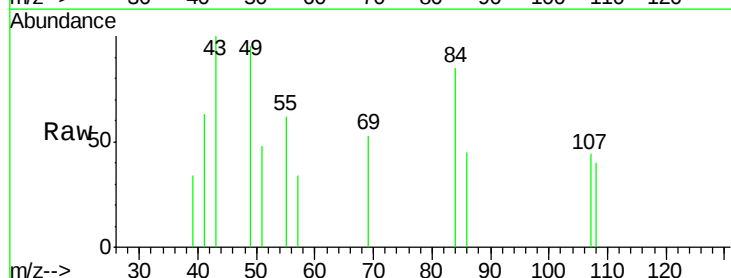
Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

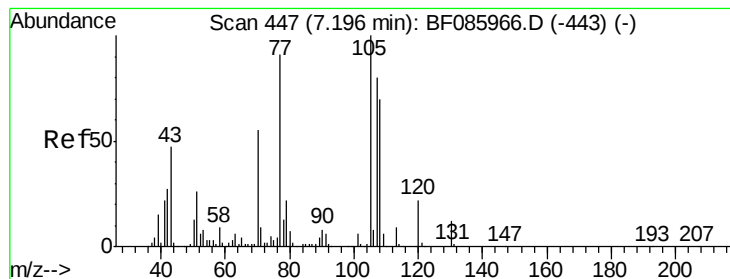
Tgt Ion: 45 Resp: 653  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 35.7  
79 0.0 0.0 32.2



#17  
2-Methylphenol  
Concen: 0.11 ng  
RT: 7.26 min Scan# 453  
Delta R.T. 0.23 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion: 107 Resp: 714  
Ion Ratio Lower Upper  
107 100  
108 91.1 91.4 137.0#  
77 0.0 36.2 54.2#  
79 0.0 35.8 53.8#





#19

n-Nitroso-di-n-propylamine

Concen: 15.26 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

Tgt Ion: 70 Resp: 86442

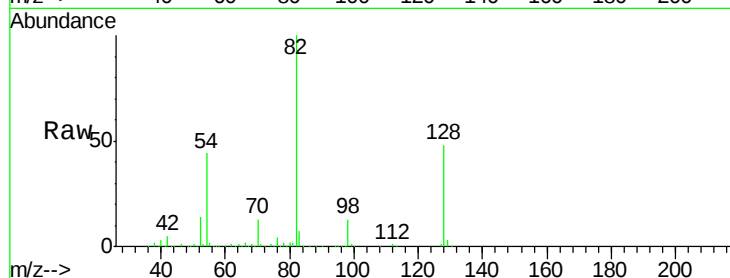
Ion Ratio Lower Upper

70 100

42 37.9 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

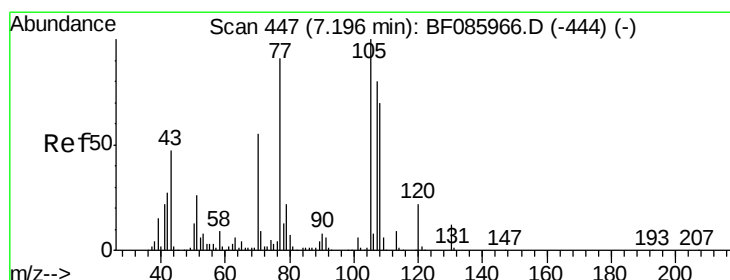
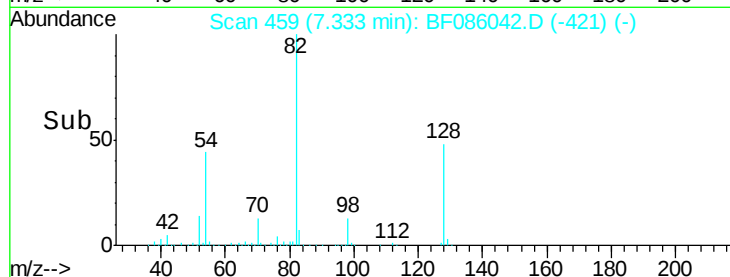
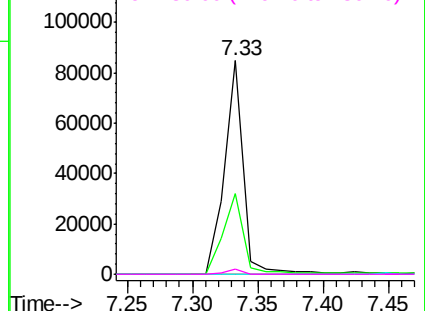


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 0.09 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion: 107 Resp: 714

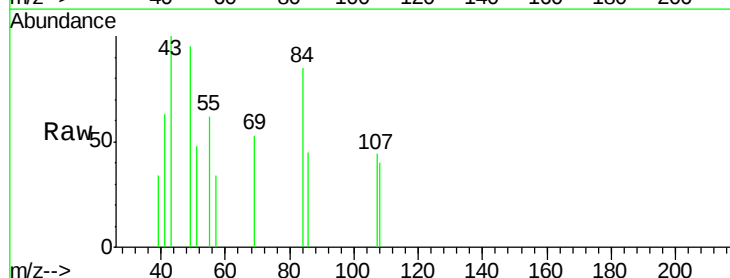
Ion Ratio Lower Upper

107 100

108 91.1 69.3 109.3

77 0.0 101.7 141.7#

79 0.0 8.3 48.3#

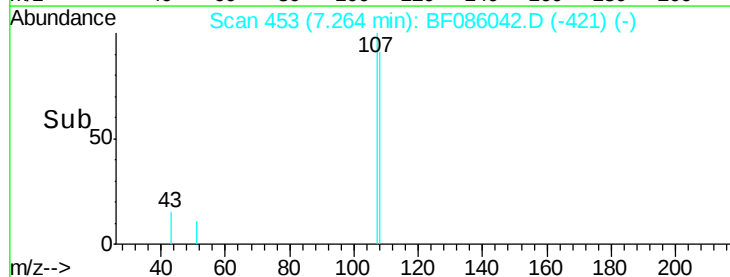
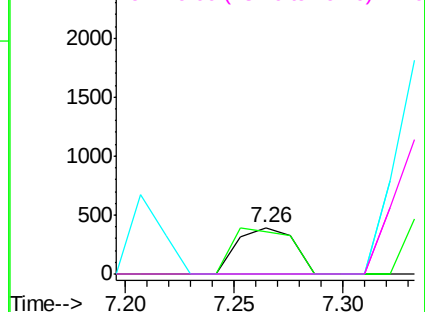


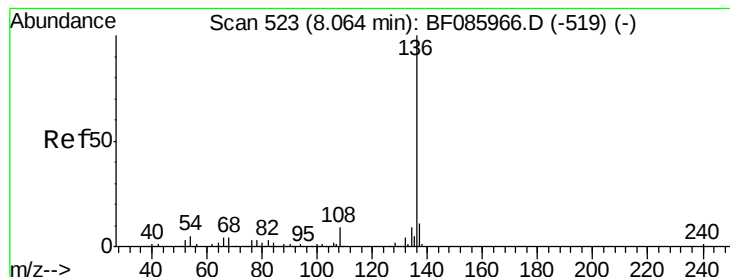
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

Tgt Ion:136 Resp: 462721

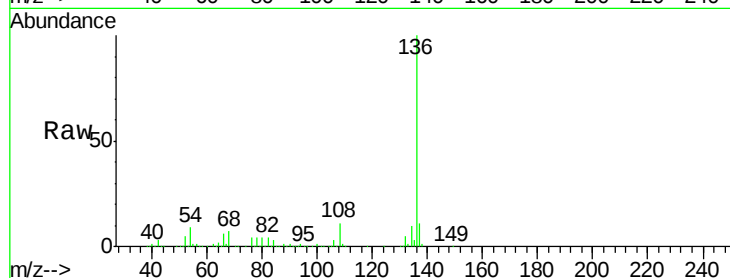
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.2 7.4 11.0

68 7.5 5.8 8.8

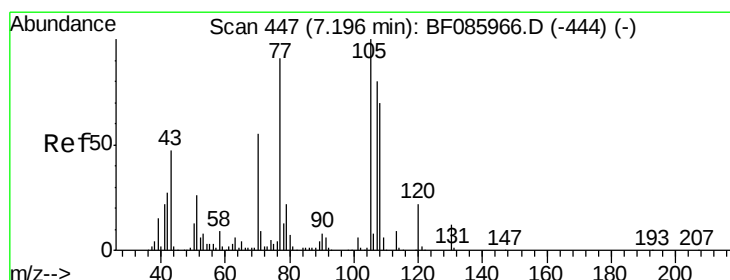
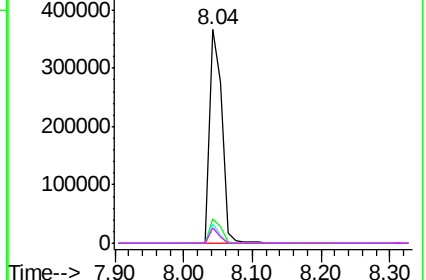
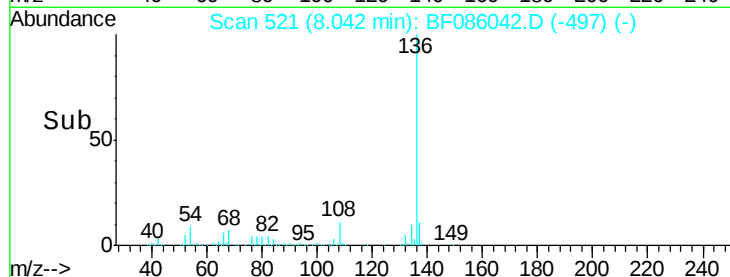


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.07 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:105 Resp: 791

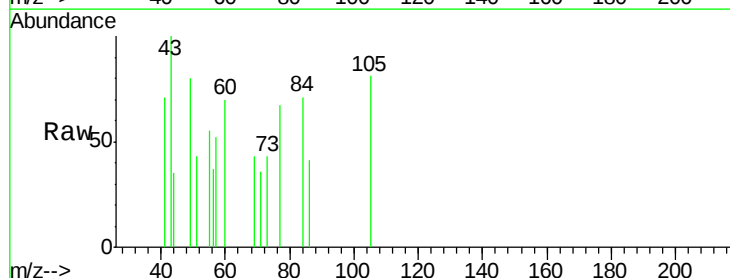
Ion Ratio Lower Upper

105 100

71 43.8 3.6 5.4#

51 52.6 25.4 38.0#

120 0.0 16.9 25.3#

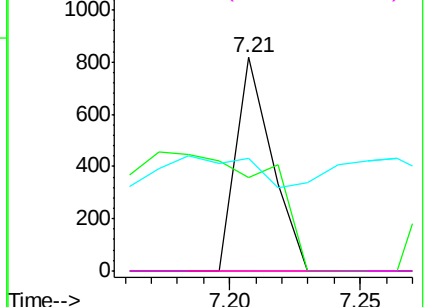
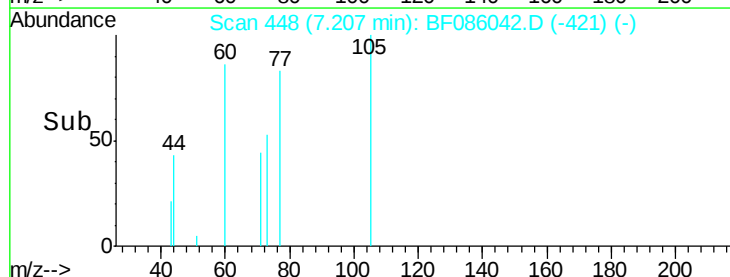


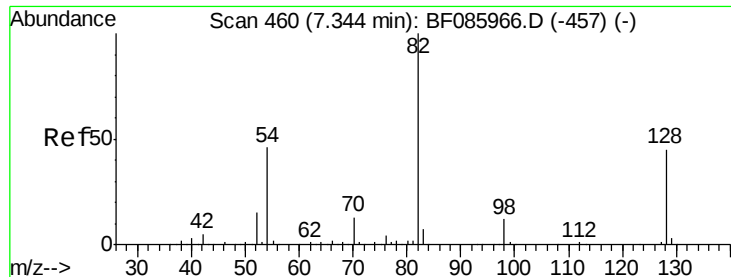
Abundance Ion 105.00 (104.70 to 105.70): E

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

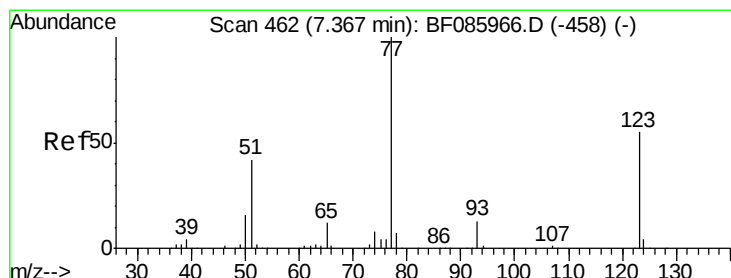
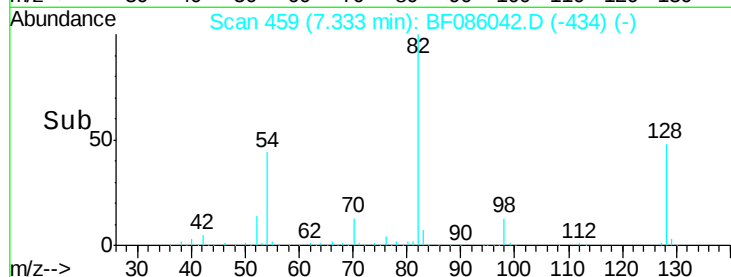
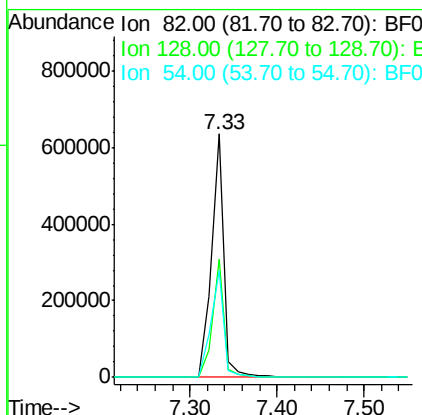
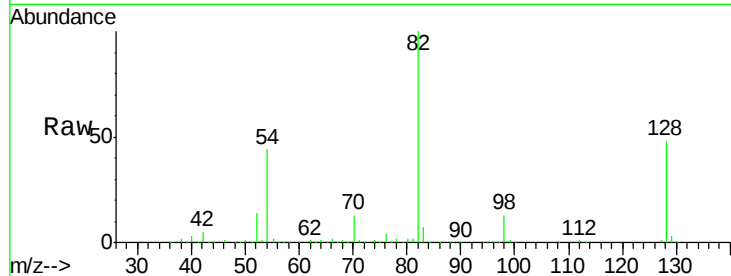




#23  
 Nitrobenzene-d5  
 Concen: 81.06 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

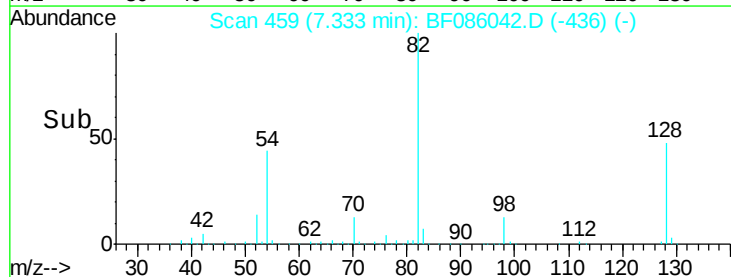
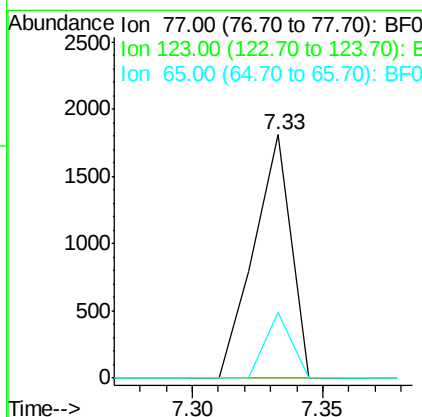
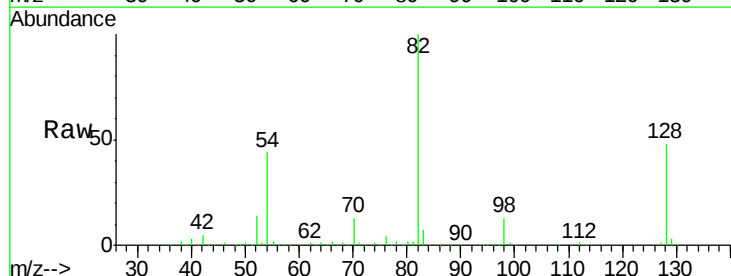
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK2-1-20160401

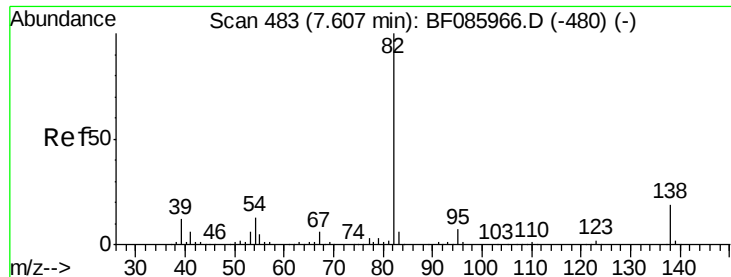
Tgt Ion: 82 Resp: 636001  
 Ion Ratio Lower Upper  
 82 100  
 128 48.4 41.8 62.8  
 54 43.7 33.4 50.0



#24  
 Nitrobenzene  
 Concen: 0.21 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.03 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

Tgt Ion: 77 Resp: 1789  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 35.0 52.4#  
 65 27.1 10.6 16.0#





#25

Isophorone

Concen: 41.06 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

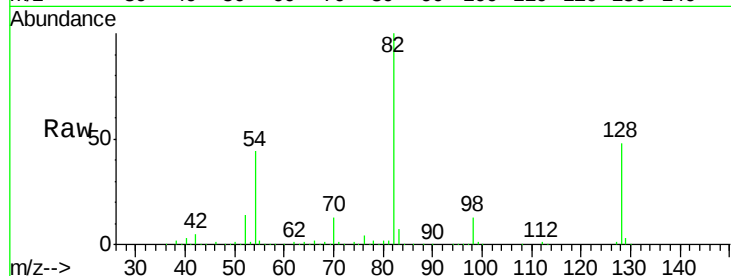
Tgt Ion: 82 Resp: 635987

Ion Ratio Lower Upper

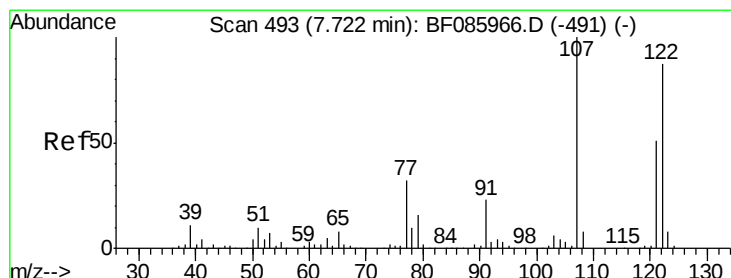
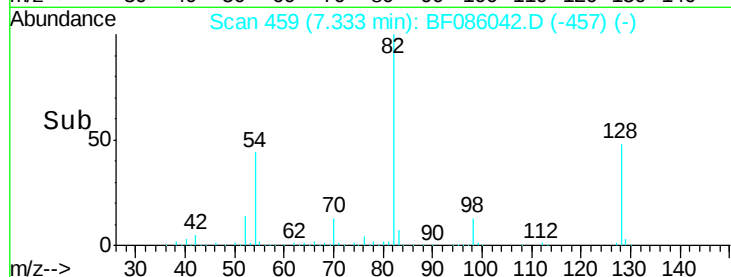
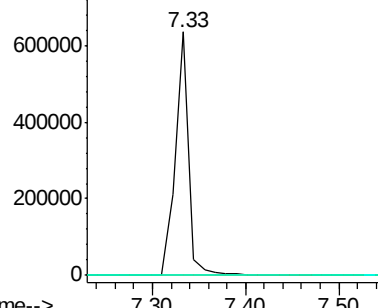
82 100

95 0.1 5.4 8.2#

138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#27

2,4-Dimethylphenol

Concen: 0.03 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.03 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

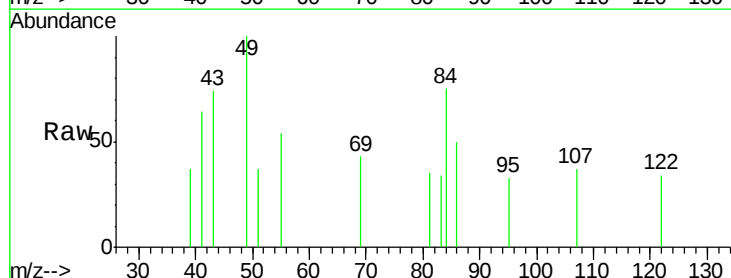
Tgt Ion: 122 Resp: 213

Ion Ratio Lower Upper

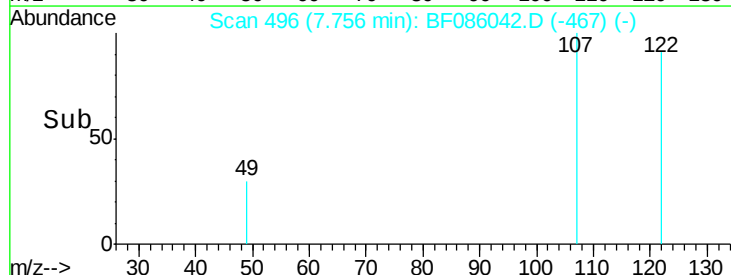
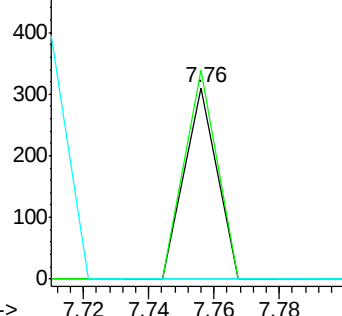
122 100

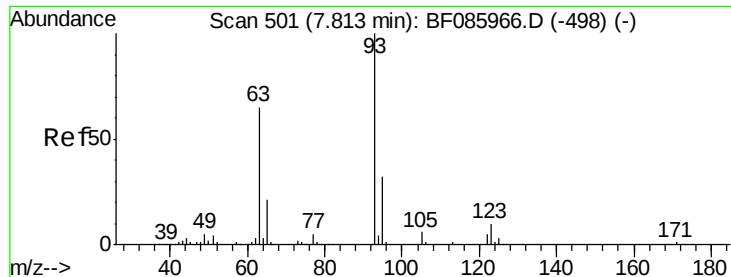
107 109.3 93.0 139.6

121 0.0 45.9 68.9#



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

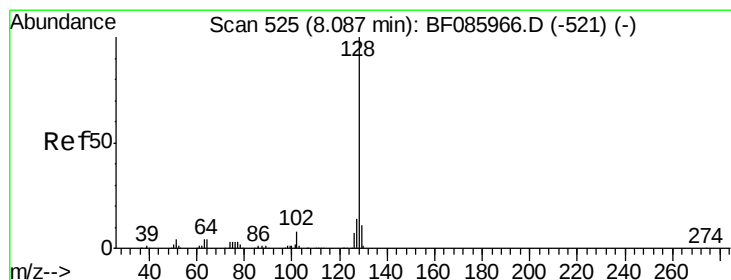
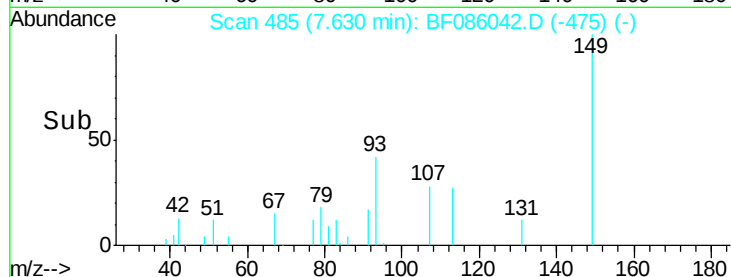
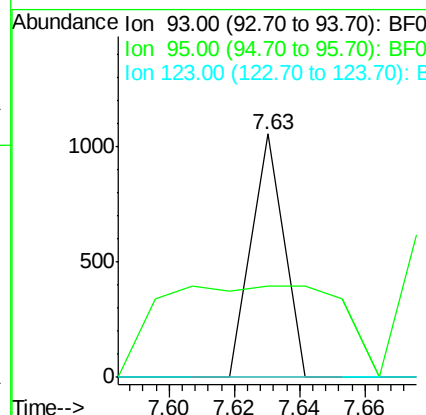
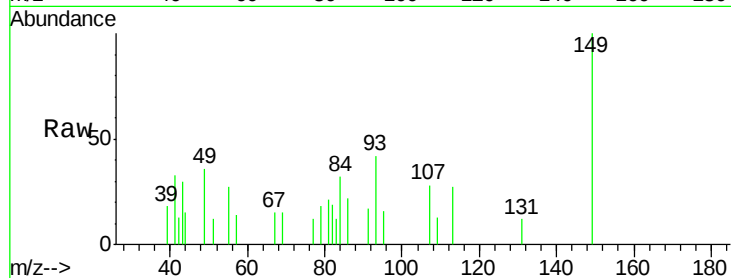




#28  
bis(2-Chloroethoxy)methane  
Concen: 0.08 ng  
RT: 7.63 min Scan# 485  
Delta R.T. -0.18 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

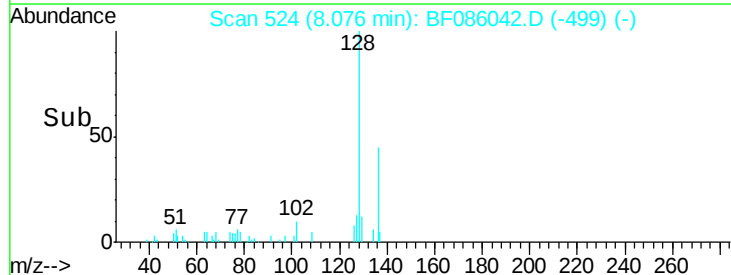
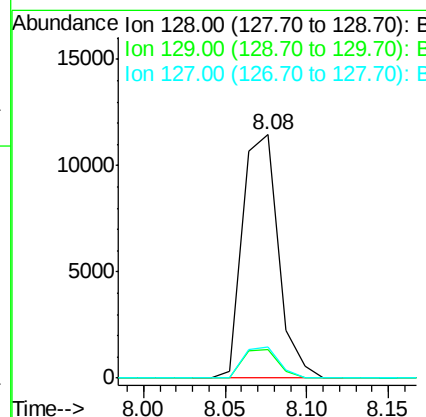
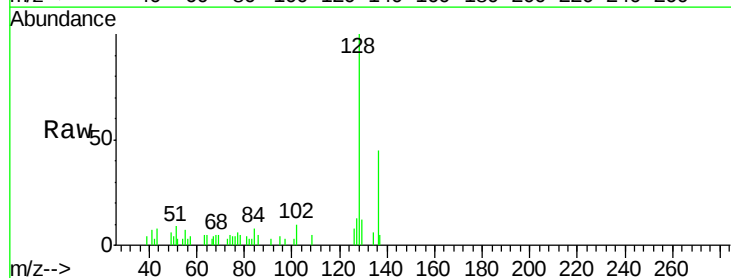
Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

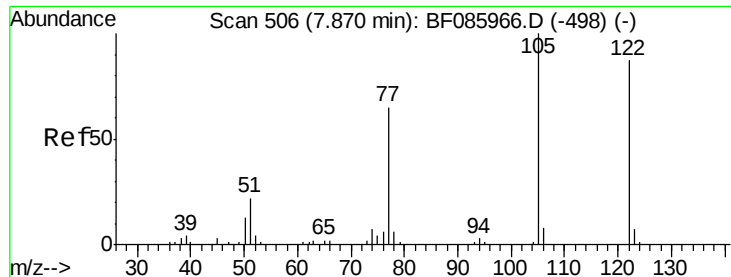
Tgt Ion: 93 Resp: 723  
Ion Ratio Lower Upper  
93 100  
95 37.6 26.4 39.6  
123 0.0 9.8 14.6#



#31  
Naphthalene  
Concen: 0.74 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion: 128 Resp: 17336  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.4 14.0  
127 13.0 11.0 16.6





#32

Benzoic acid

Concen: 0.66 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.05 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

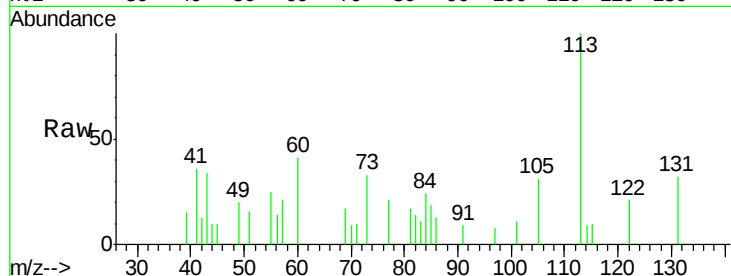
Tgt Ion:122 Resp: 3586

Ion Ratio Lower Upper

122 100

105 146.5 102.9 142.9#

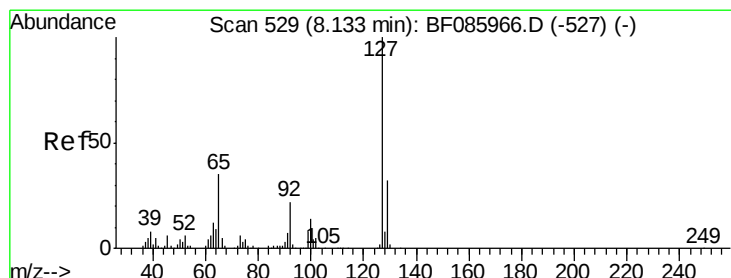
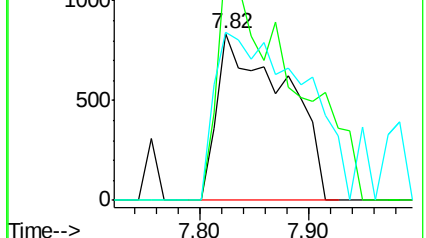
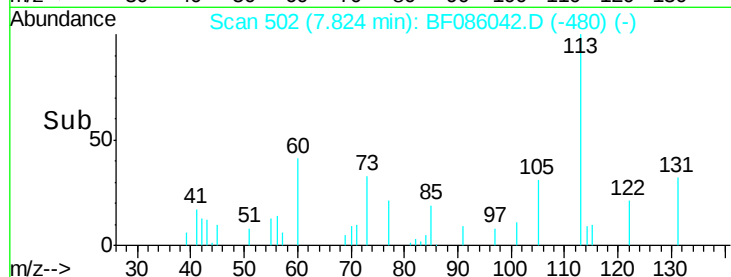
77 101.4 71.8 111.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 0.23 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.06 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:127 Resp: 2191

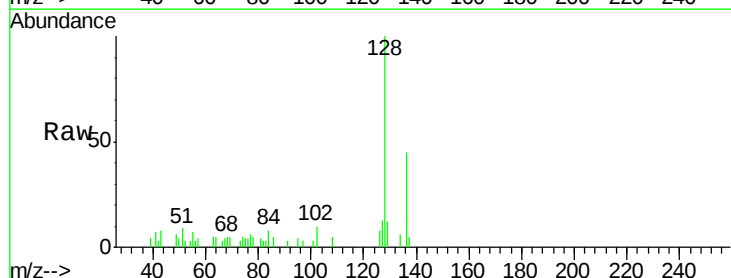
Ion Ratio Lower Upper

127 100

129 90.2 26.1 39.1#

65 0.0 19.5 29.3#

92 0.0 14.6 22.0#

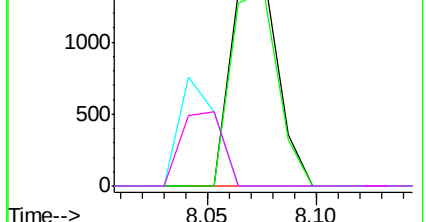
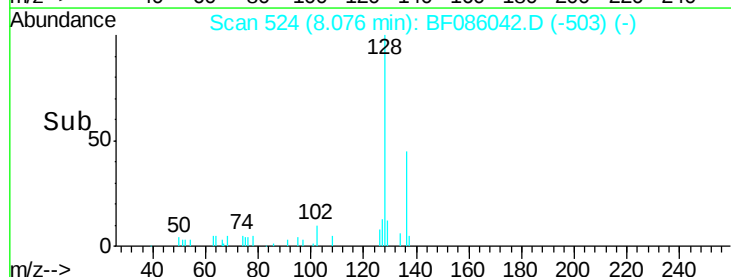


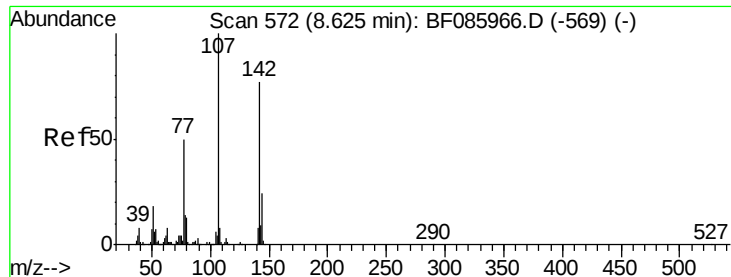
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

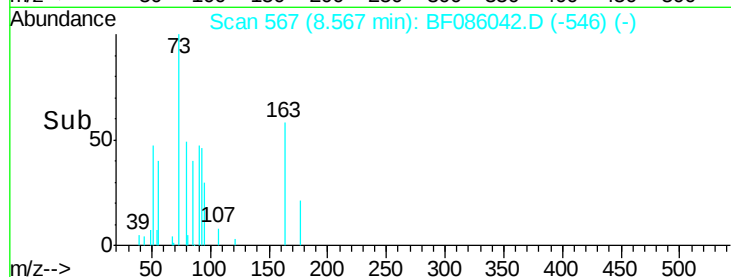
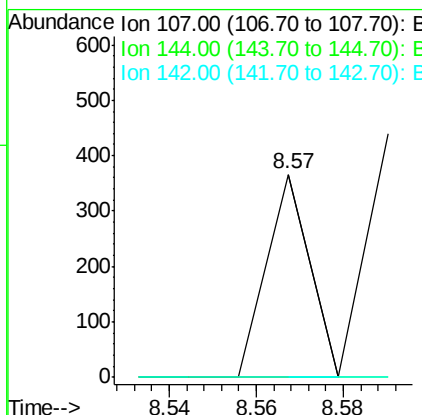
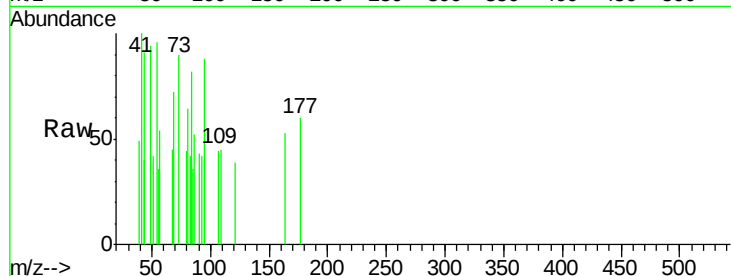




#36  
 4-Chloro-3-methylphenol  
 Concen: 0.04 ng  
 RT: 8.57 min Scan# 567  
 Delta R.T. -0.06 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

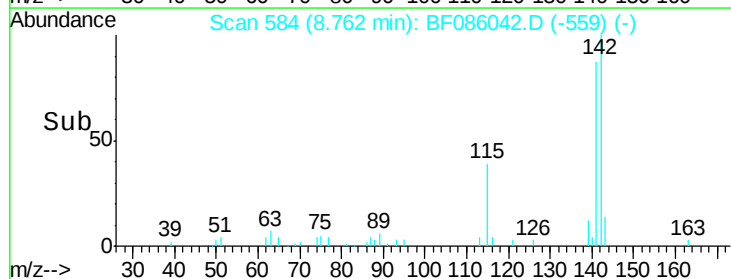
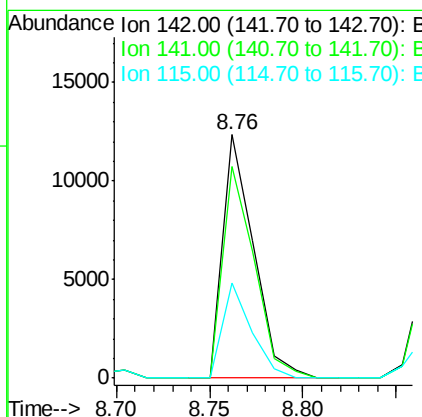
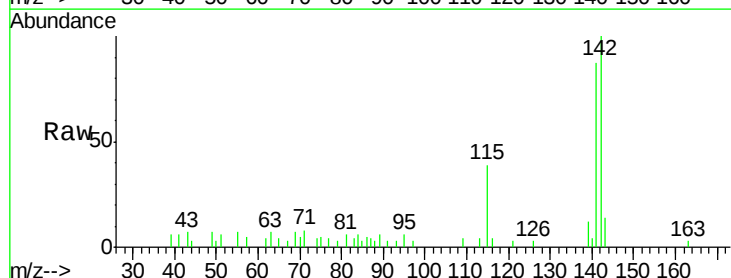
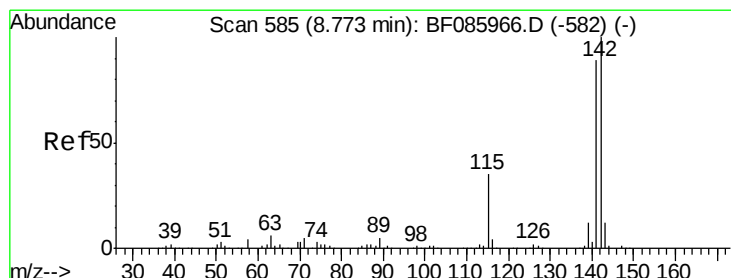
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK2-1-20160401

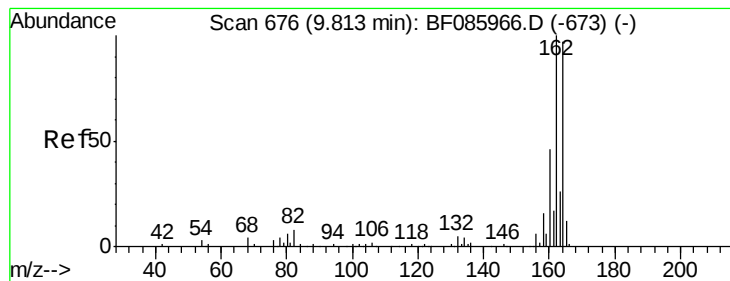
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 0.0   | 19.3  | 28.9# |
| 142     | 0.0   | 61.4  | 92.0# |



#37  
 2-Methylnaphthalene  
 Concen: 0.94 ng  
 RT: 8.76 min Scan# 584  
 Delta R.T. -0.01 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.2  | 71.6  | 107.4 |
| 115     | 38.9  | 26.8  | 40.2  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

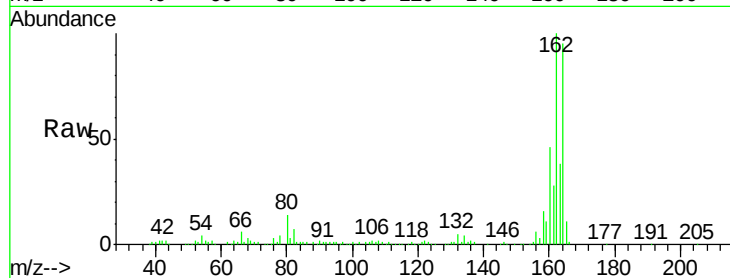
Tgt Ion:164 Resp: 200118

Ion Ratio Lower Upper

164 100

162 105.2 82.1 123.1

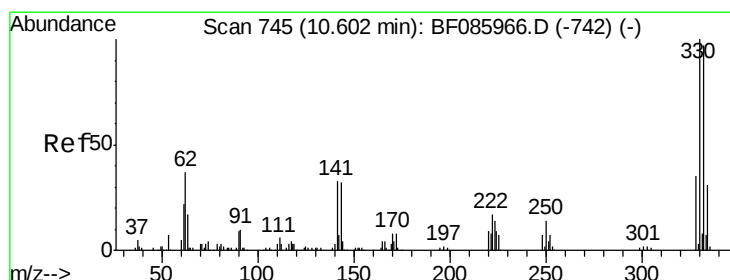
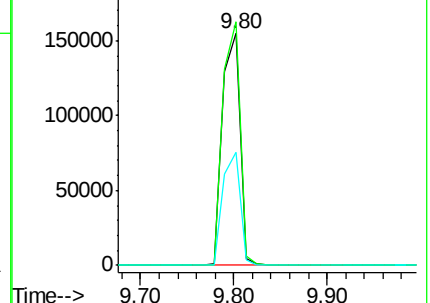
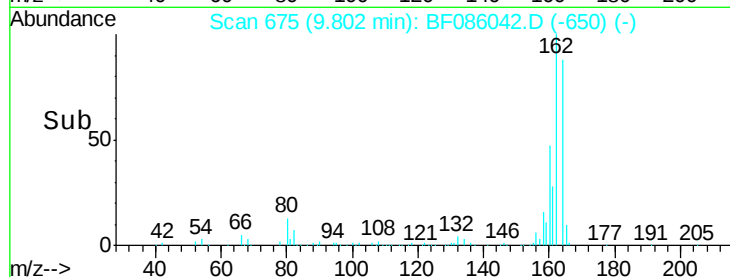
160 48.8 37.4 56.2



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: 121.61 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

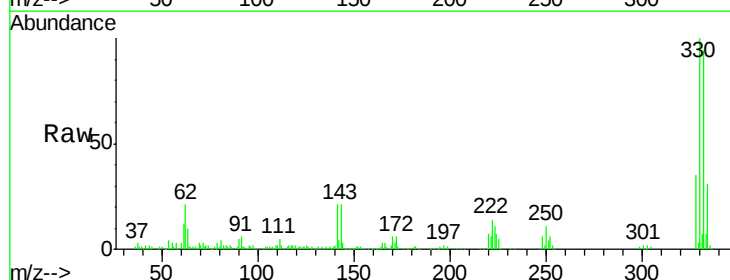
Tgt Ion:330 Resp: 228412

Ion Ratio Lower Upper

330 100

332 94.1 78.2 117.2

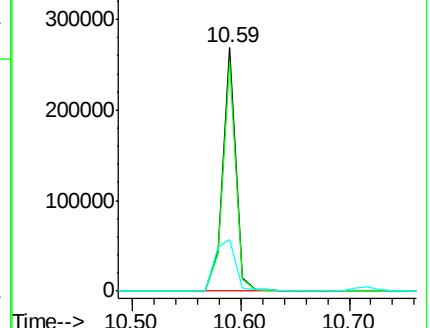
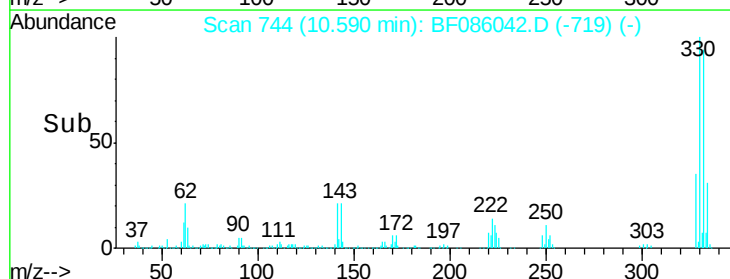
141 33.0 31.5 47.3

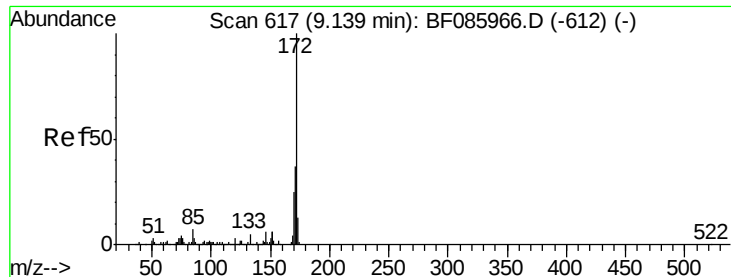


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.19 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

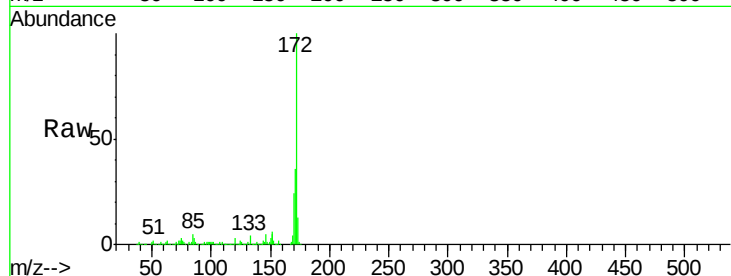
Tgt Ion:172 Resp: 905028

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.2

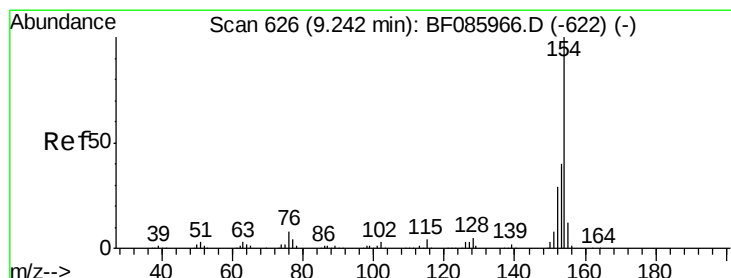
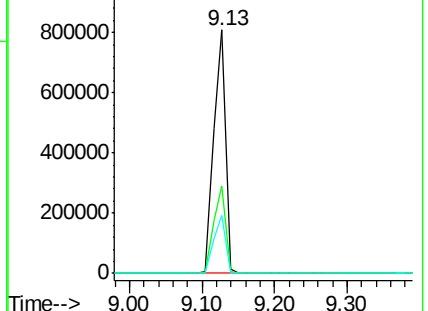
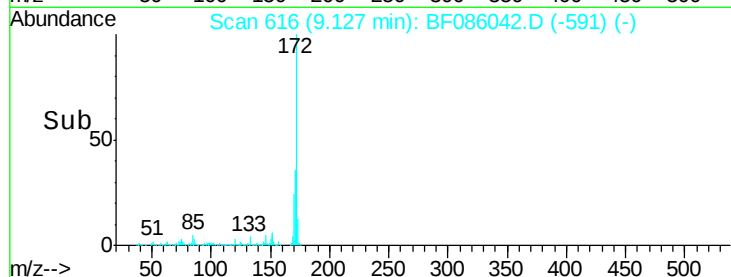
170 24.1 19.8 29.6



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: 0.19 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

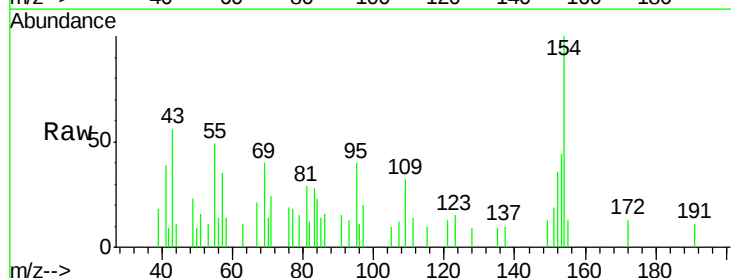
Tgt Ion:154 Resp: 3310

Ion Ratio Lower Upper

154 100

153 44.5 20.8 60.8

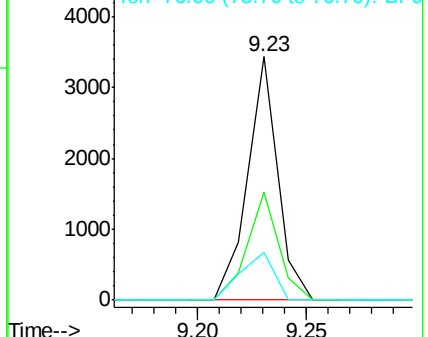
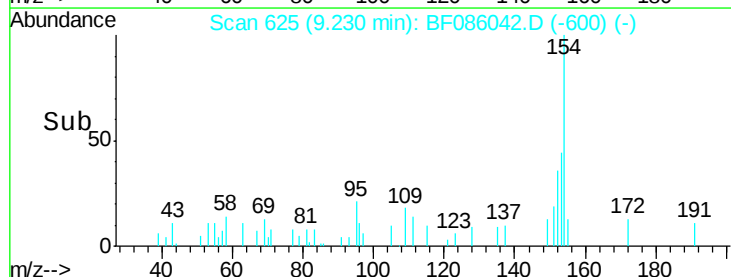
76 19.4 0.0 36.7

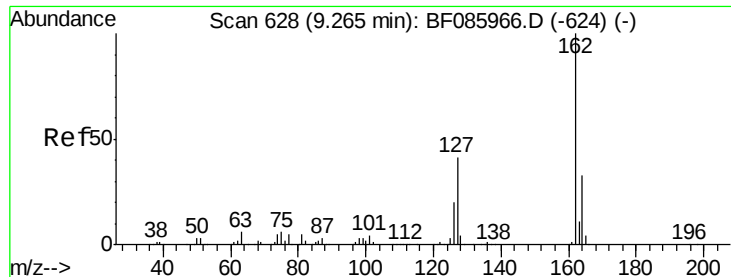


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#46

2-Chloronaphthalene

Concen: 0.02 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.13 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

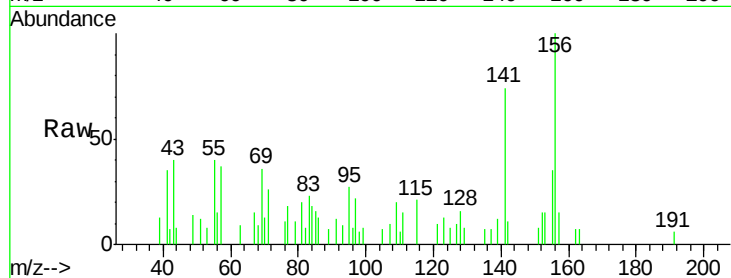
Tgt Ion: 162 Resp: 220

Ion Ratio Lower Upper

162 100

127 152.0 31.7 47.5#

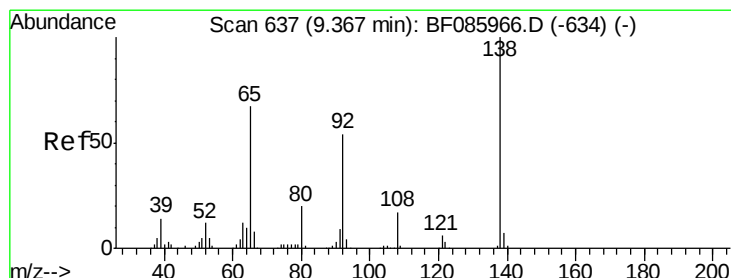
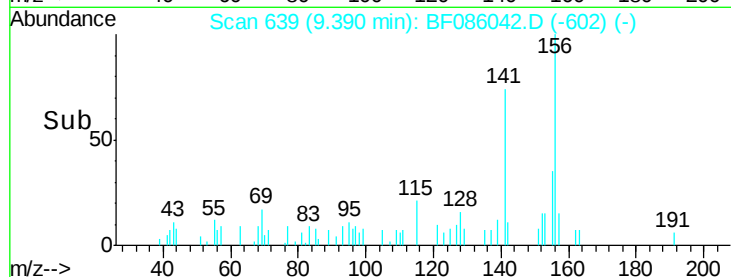
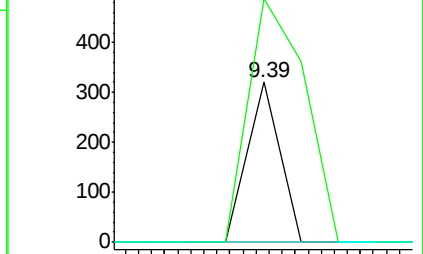
164 0.0 27.3 40.9#



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: 0.69 ng

RT: 9.52 min Scan# 650

Delta R.T. 0.15 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

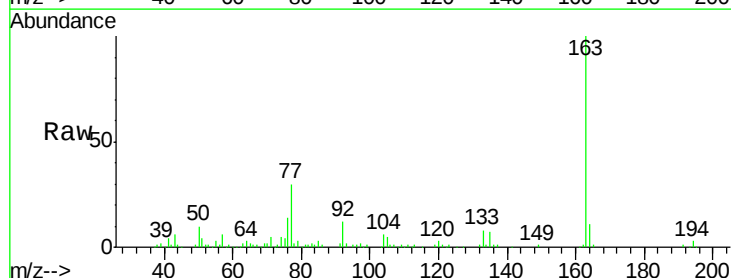
Tgt Ion: 65 Resp: 2521

Ion Ratio Lower Upper

65 100

92 705.5 59.7 89.5#

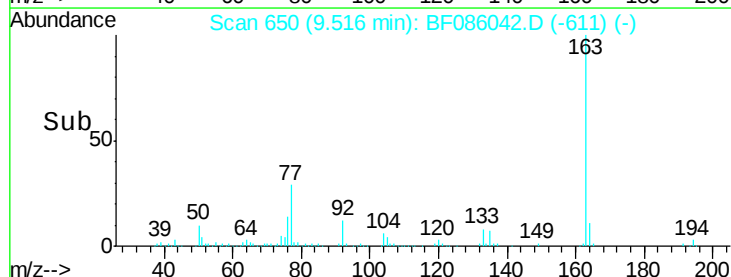
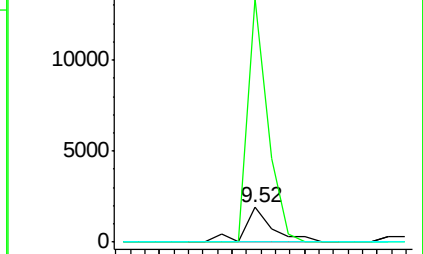
138 0.0 91.4 137.0#

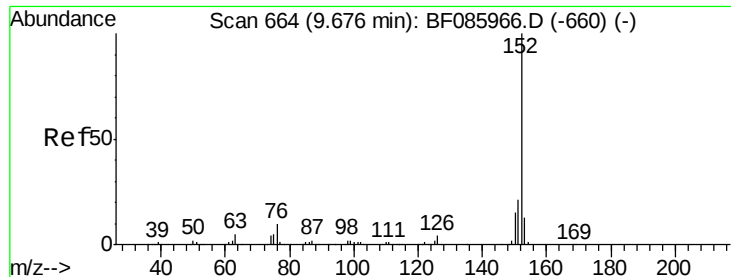


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

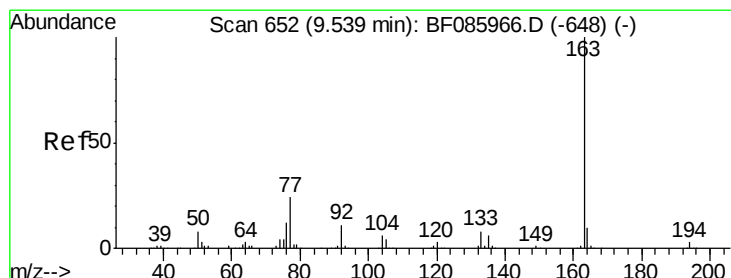
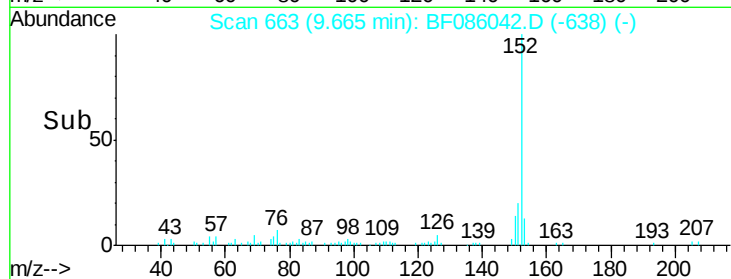
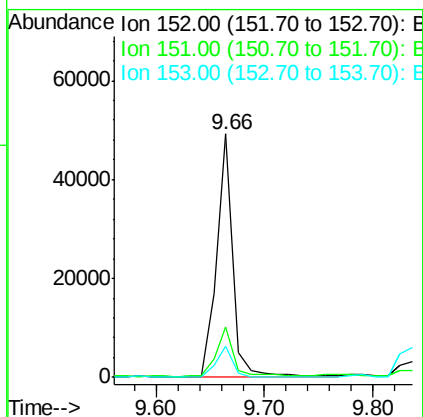
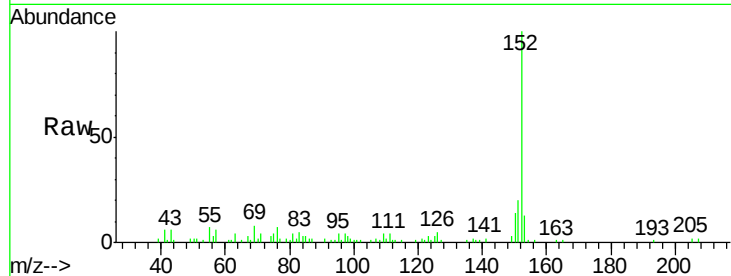




#48  
Acenaphthylene  
Concen: 2.61 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

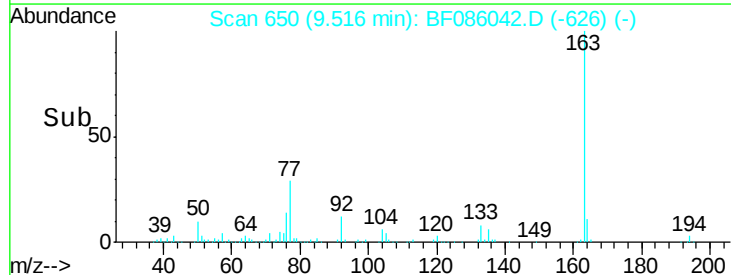
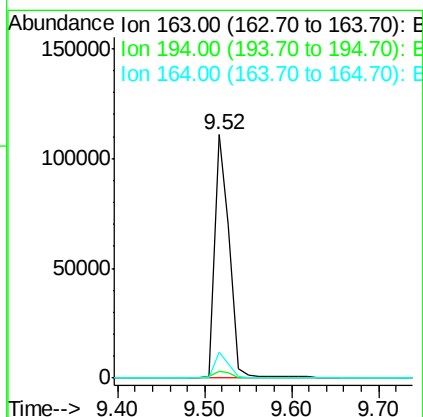
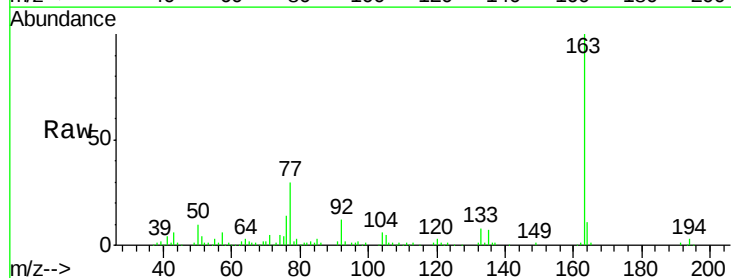
Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

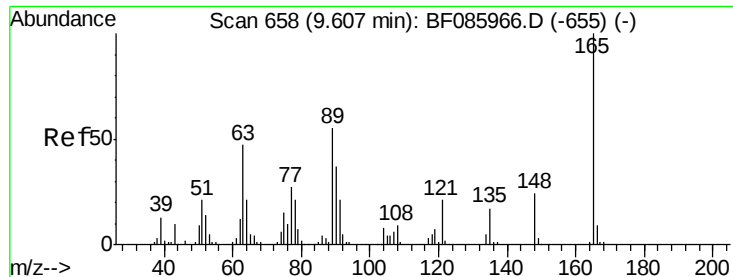
Tgt Ion:152 Resp: 52245  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.8 25.2  
153 12.6 10.9 16.3



#49  
Dimethylphthalate  
Concen: 8.85 ng  
RT: 9.52 min Scan# 650  
Delta R.T. -0.02 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion:163 Resp: 131216  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.9 4.3  
164 10.6 8.3 12.5

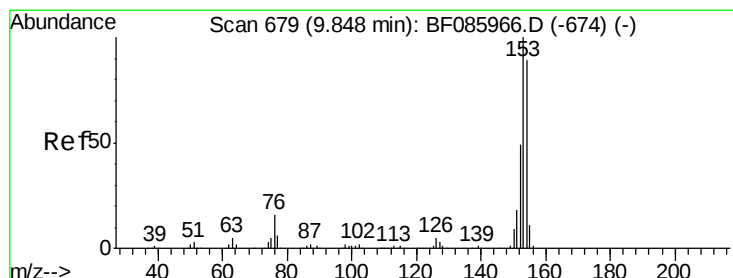
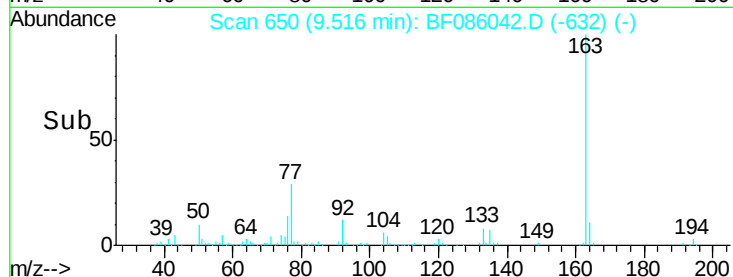
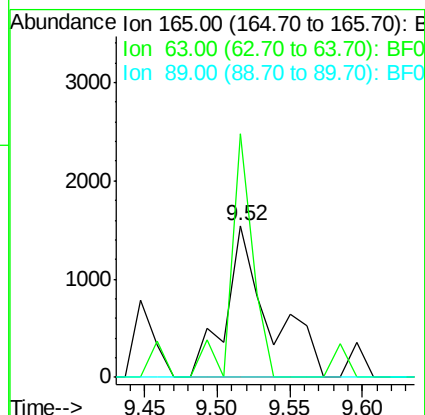
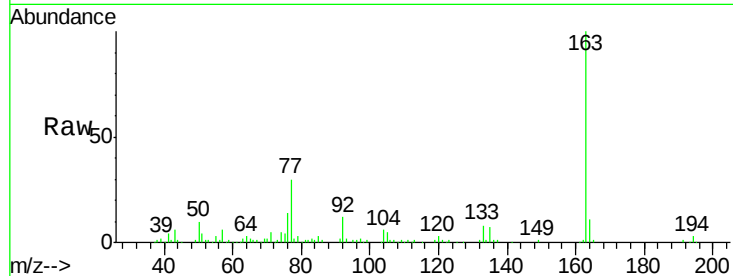




#50  
2,6-Dinitrotoluene  
Concen: 1.03 ng  
RT: 9.52 min Scan# 650  
Delta R.T. -0.09 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

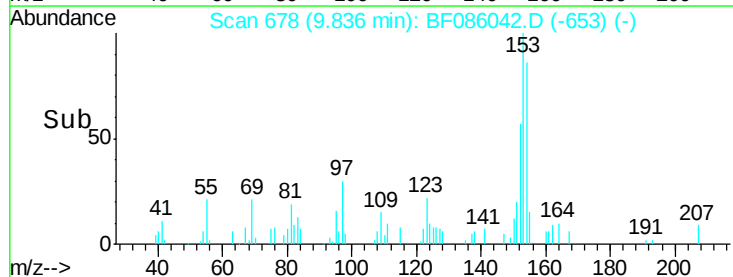
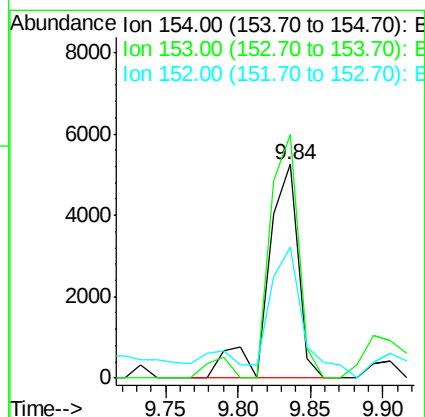
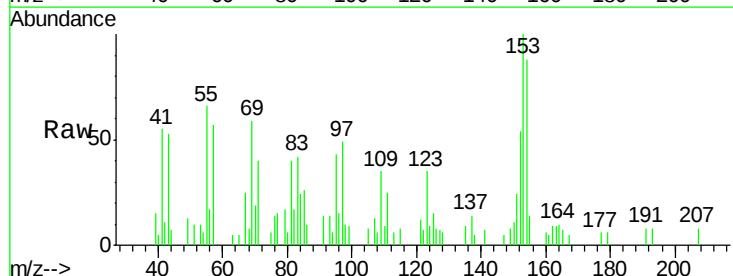
Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

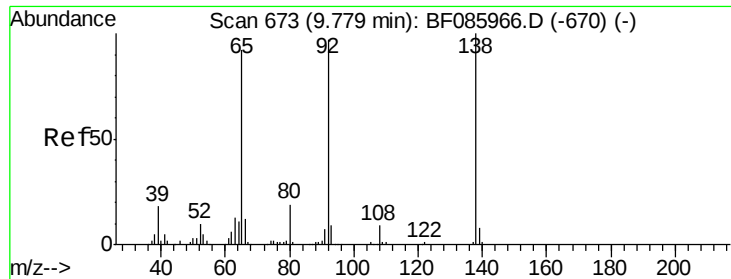
Tgt Ion:165 Resp: 3233  
Ion Ratio Lower Upper  
165 100  
63 160.5 51.8 77.8#  
89 0.0 53.7 80.5#



#51  
Acenaphthene  
Concen: 0.65 ng  
RT: 9.84 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion:154 Resp: 7719  
Ion Ratio Lower Upper  
154 100  
153 113.8 90.1 135.1  
152 61.0 44.2 66.2





#52

3-Nitroaniline

Concen: 0.06 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

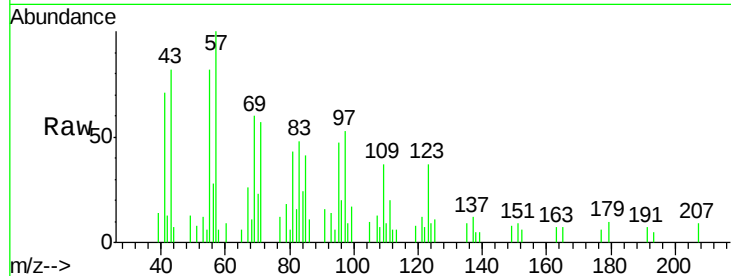
Tgt Ion:138 Resp: 211

Ion Ratio Lower Upper

138 100

108 138.3 8.7 13.1#

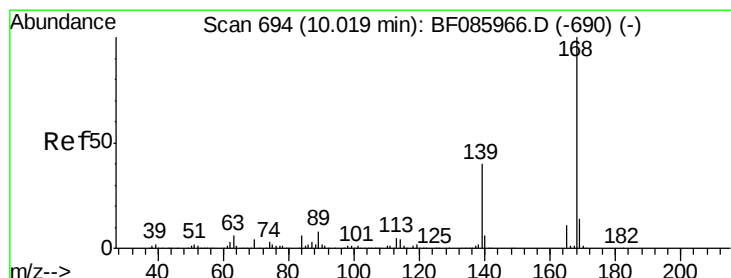
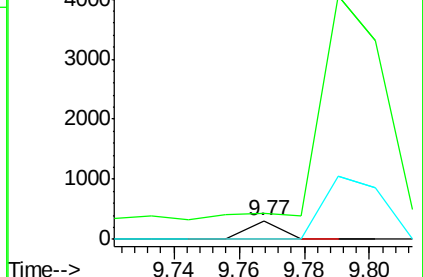
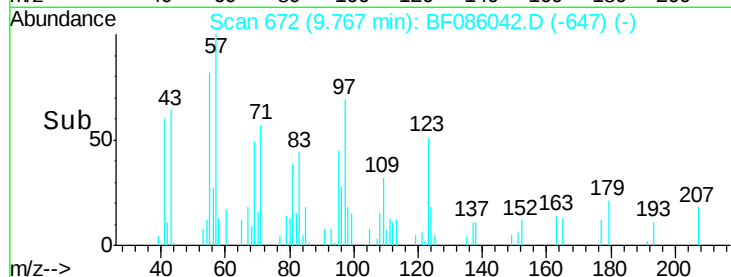
92 0.0 93.3 139.9#



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



#54

Dibenzofuran

Concen: 0.58 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

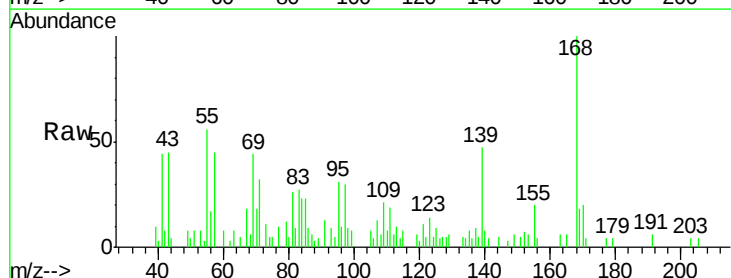
Tgt Ion:168 Resp: 9105

Ion Ratio Lower Upper

168 100

139 47.4 31.9 47.9

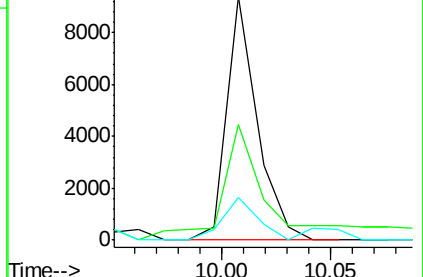
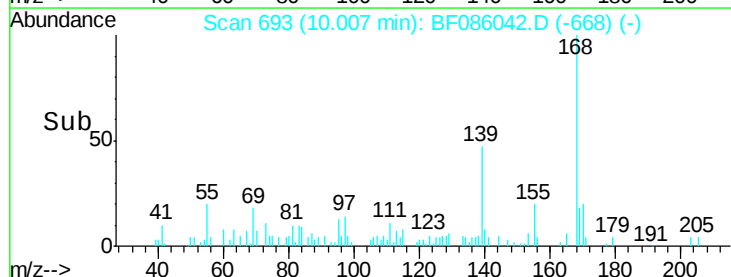
169 17.8 11.0 16.6#

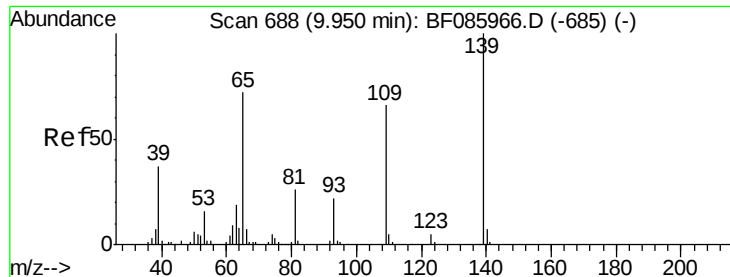


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.71 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

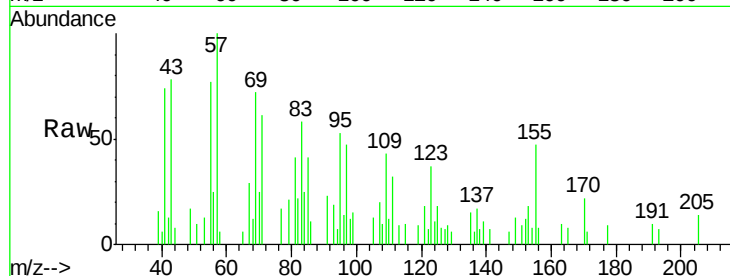
Tgt Ion:139 Resp: 1592

Ion Ratio Lower Upper

139 100

109 400.9 49.2 89.2#

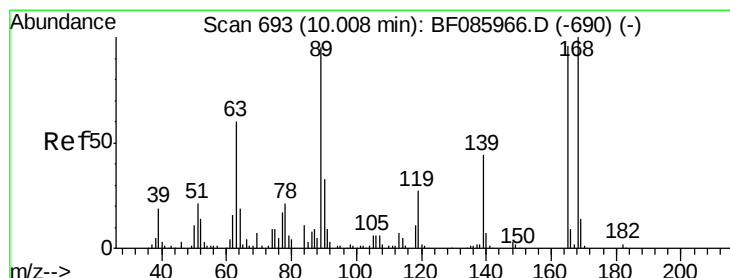
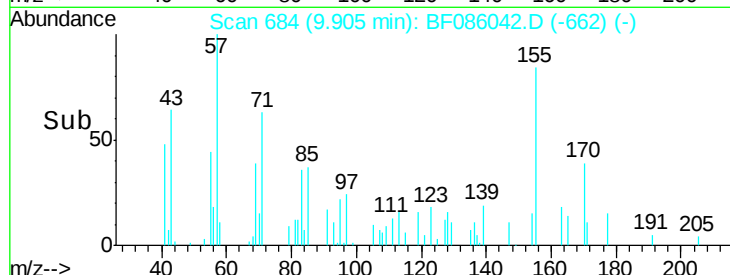
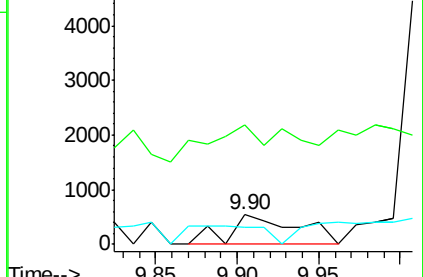
65 56.1 66.9 106.9#



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: 6.85 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:165 Resp: 27182

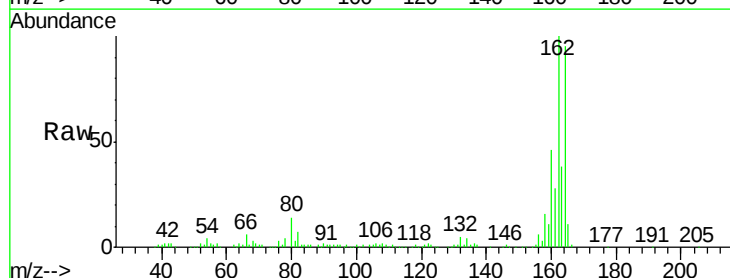
Ion Ratio Lower Upper

165 100

63 2.2 24.9 37.3#

89 2.2 41.0 61.6#

182 0.0 2.1 3.1#

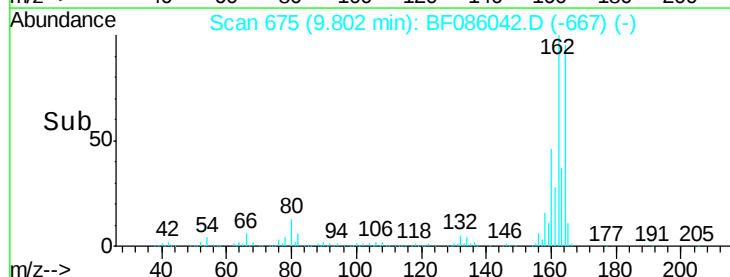
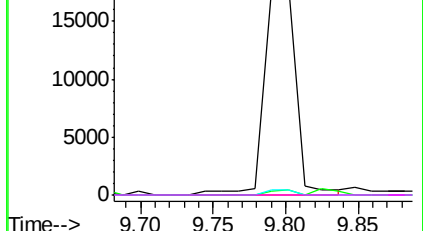


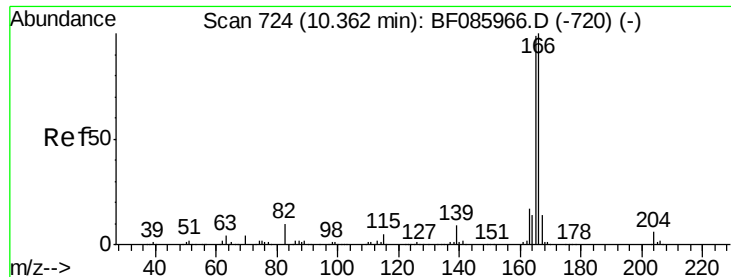
Abundance Ion 165.00 (164.70 to 165.70): E

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

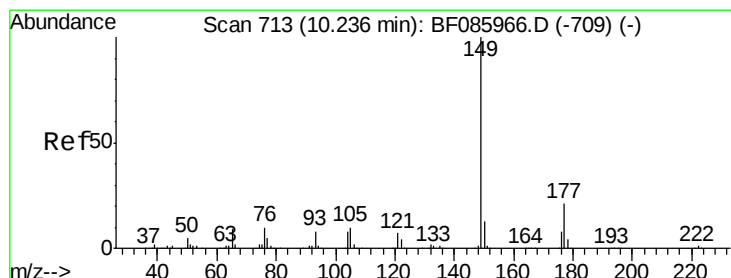
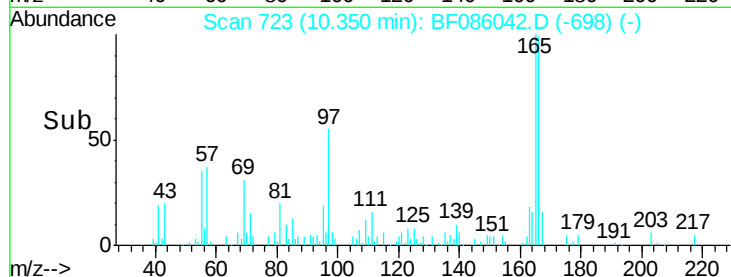
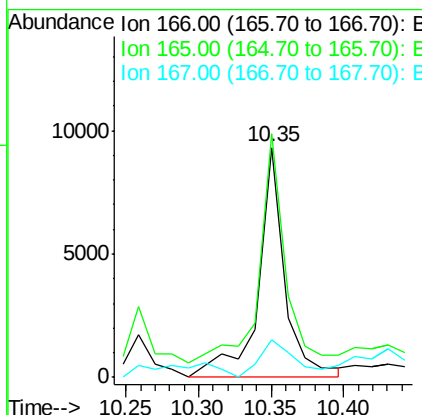
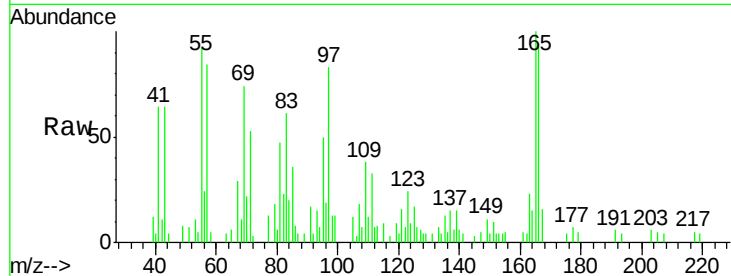




#57  
 Fluorene  
 Concen: 0.89 ng  
 RT: 10.35 min Scan# 723  
 Delta R.T. -0.01 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

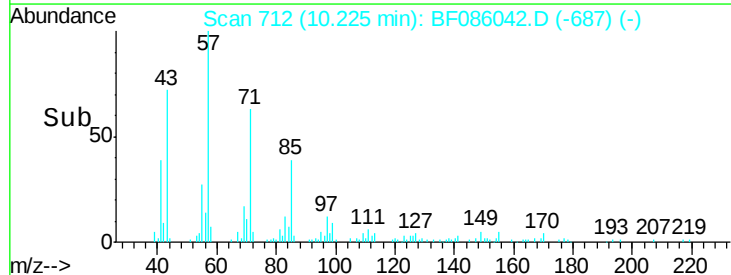
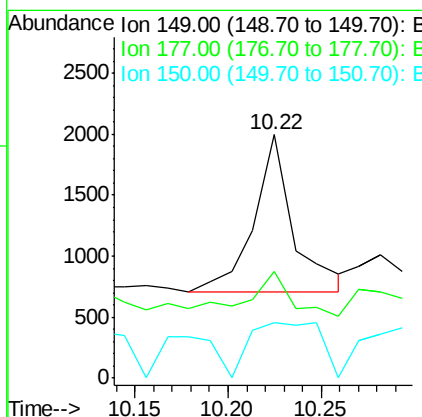
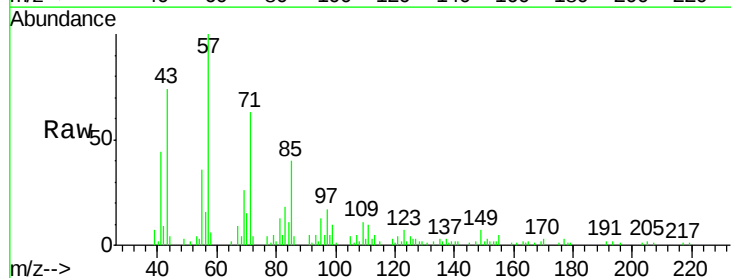
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK2-1-20160401

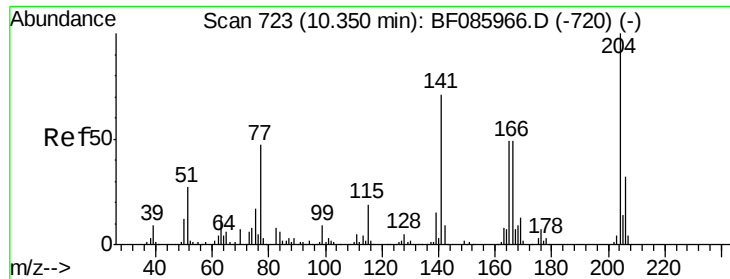
Tgt Ion:166 Resp: 11962  
 Ion Ratio Lower Upper  
 166 100  
 165 105.9 79.4 119.0  
 167 16.5 11.0 16.4#



#59  
 Diethylphthalate  
 Concen: 0.13 ng  
 RT: 10.22 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: BF086042.D  
 Acq: 4 Apr 2016 17:07

Tgt Ion:149 Resp: 1891  
 Ion Ratio Lower Upper  
 149 100  
 177 43.6 17.9 26.9#  
 150 23.0 10.2 15.2#

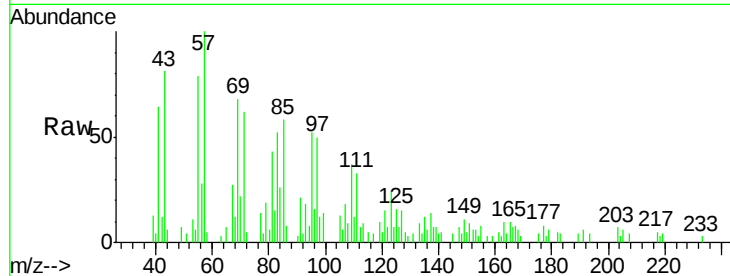




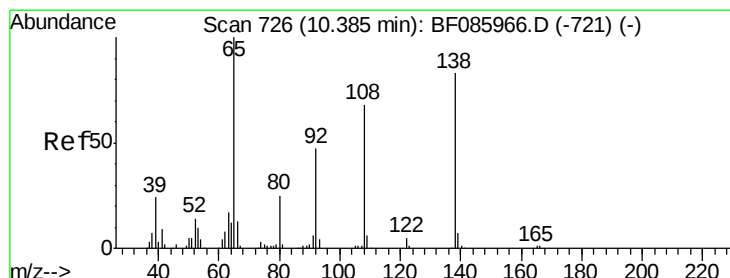
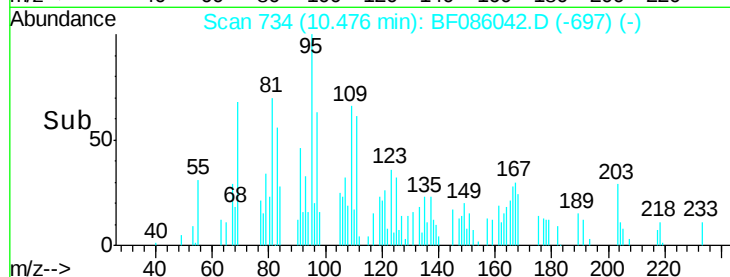
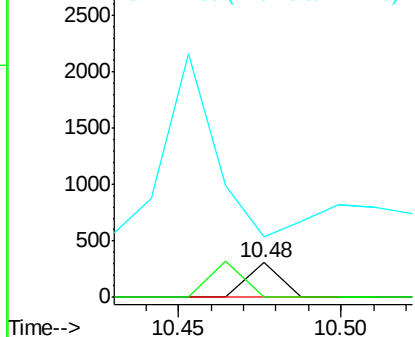
#60  
4-Chlorophenyl-phenylether  
Concen: 0.03 ng  
RT: 10.48 min Scan# 734  
Delta R.T. 0.13 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

Tgt Ion:204 Resp: 209  
Ion Ratio Lower Upper  
204 100  
206 0.0 26.6 39.8#  
141 176.7 57.4 86.0#

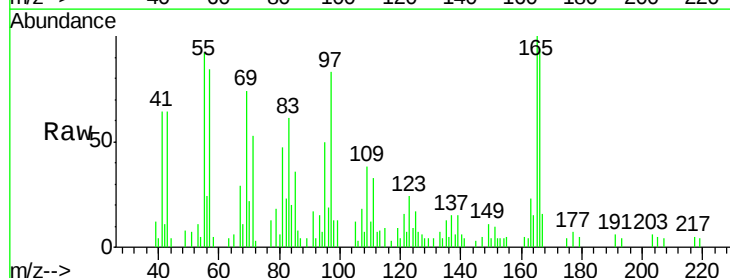


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

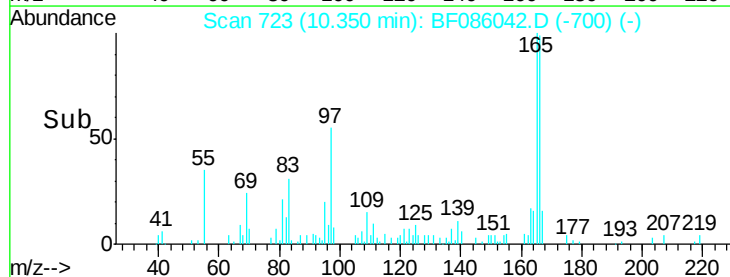
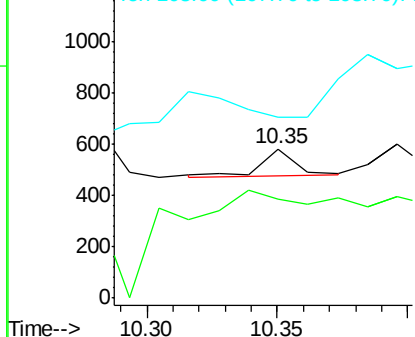


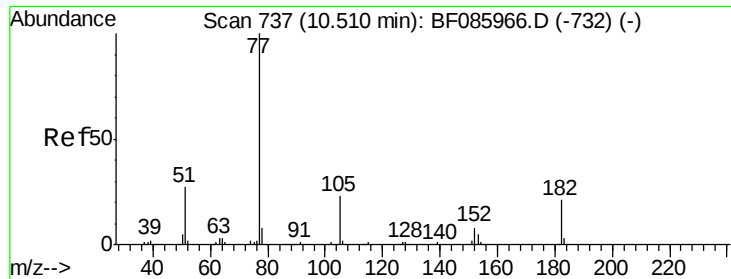
#61  
4-Nitroaniline  
Concen: 0.03 ng  
RT: 10.35 min Scan# 723  
Delta R.T. -0.03 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion:138 Resp: 103  
Ion Ratio Lower Upper  
138 100  
92 66.0 26.4 66.4  
108 120.9 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: 0.07 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

Tgt Ion: 77 Resp: 943

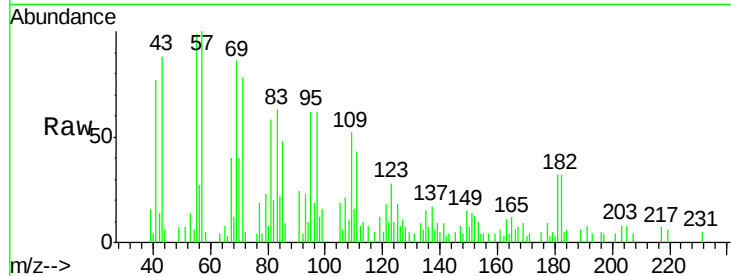
Ion Ratio Lower Upper

77 100

182 167.2 1.9 41.9#

105 101.9 3.5 43.5#

51 37.8 6.3 46.3

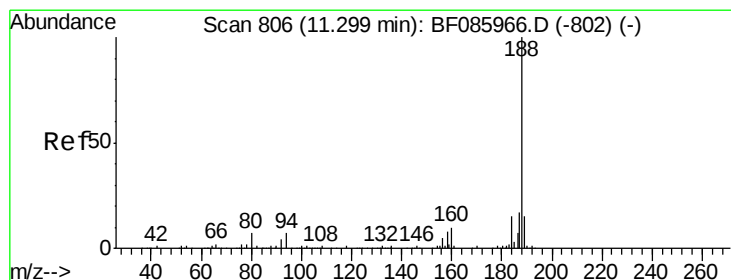
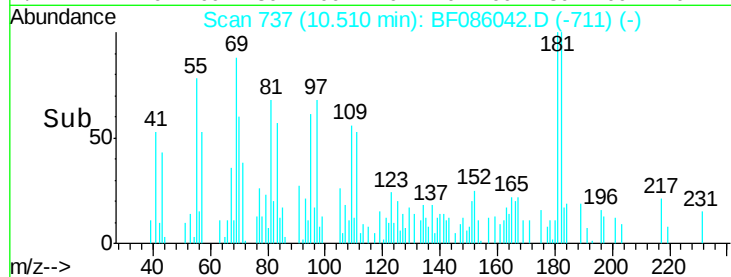
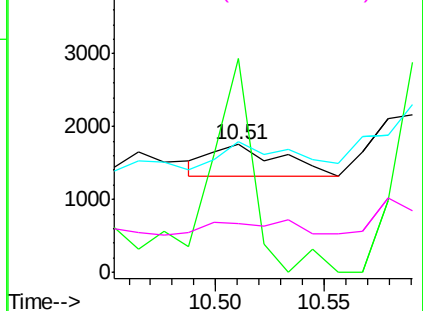


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

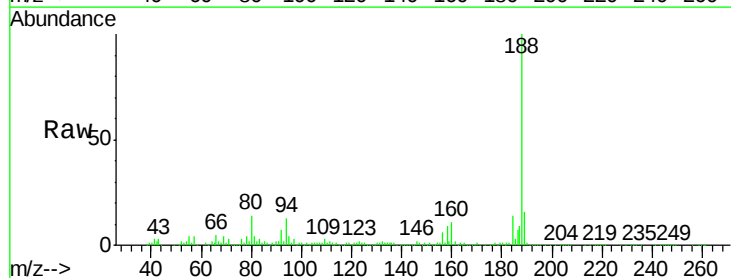
Tgt Ion: 188 Resp: 346870

Ion Ratio Lower Upper

188 100

94 13.3 5.4 8.0#

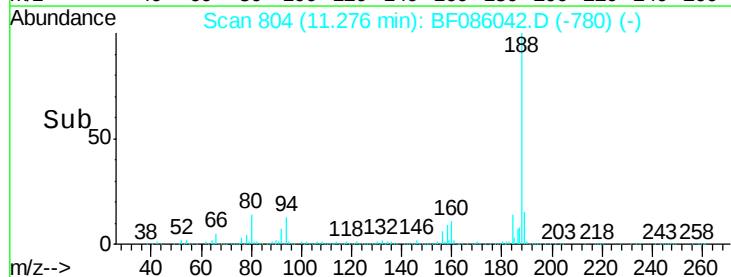
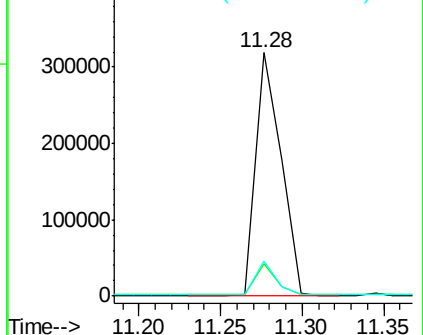
80 14.2 5.5 8.3#

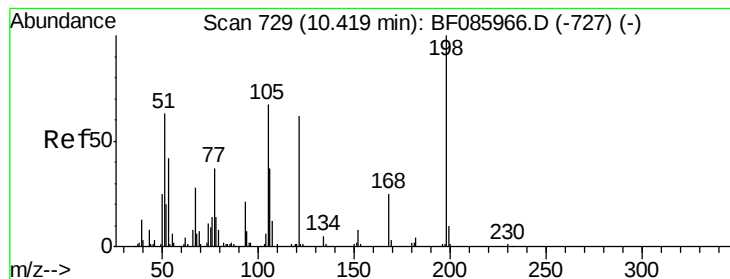


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.28 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.17 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

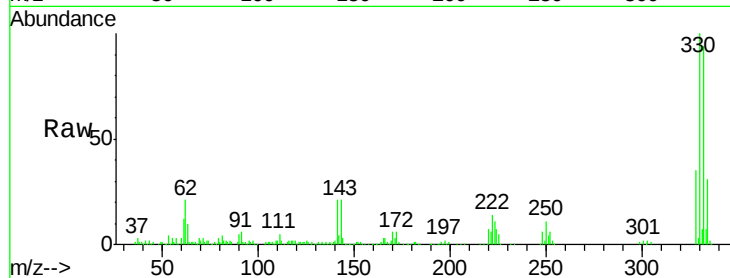
Tgt Ion:198 Resp: 592

Ion Ratio Lower Upper

198 100

51 159.4 45.4 85.4#

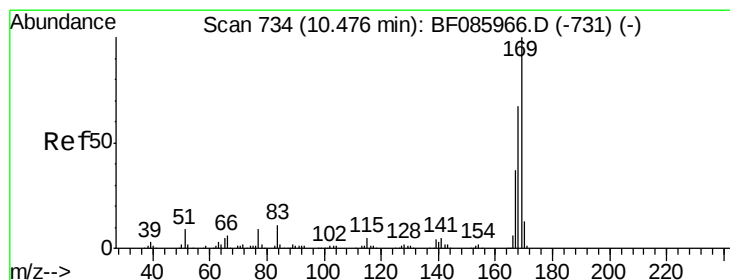
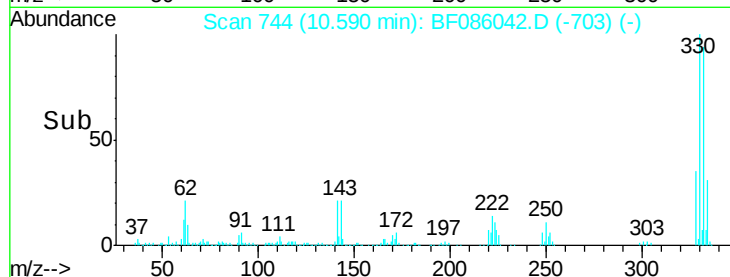
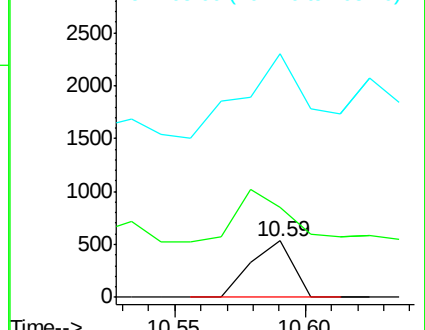
105 430.9 45.9 85.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.34 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

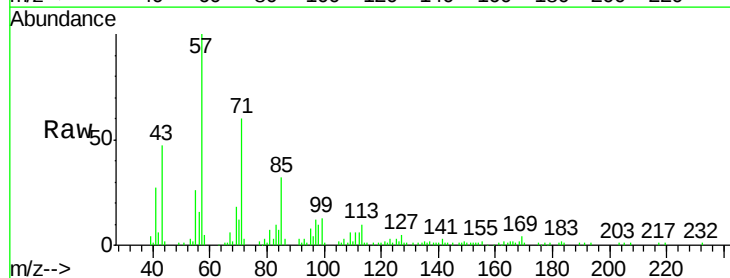
Tgt Ion:169 Resp: 3684

Ion Ratio Lower Upper

169 100

168 37.4 54.4 81.6#

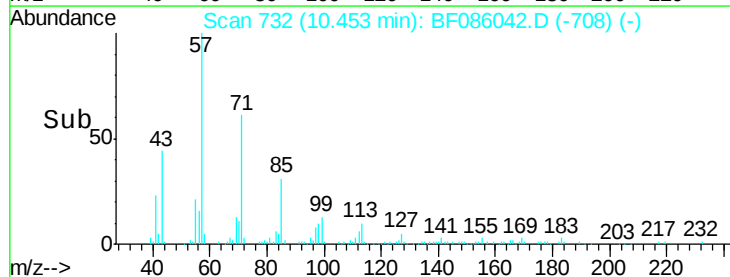
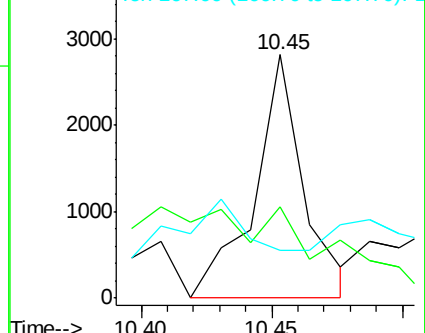
167 19.8 29.4 44.0#

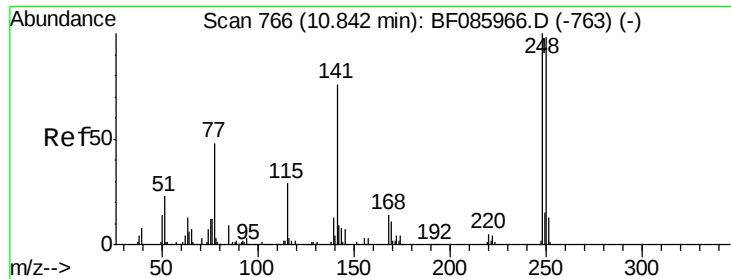


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

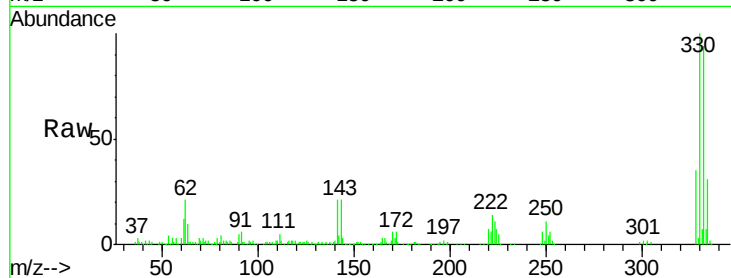




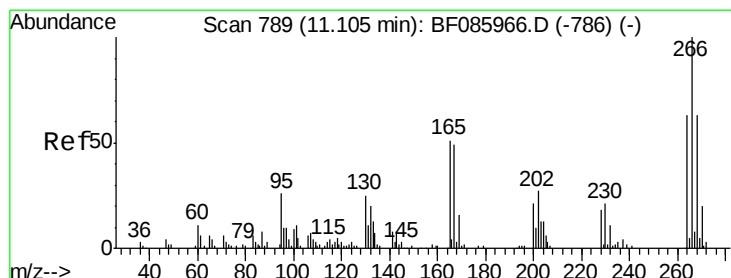
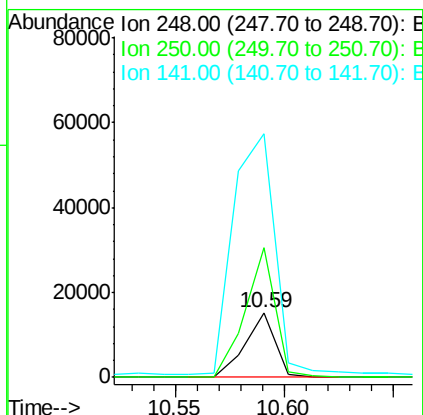
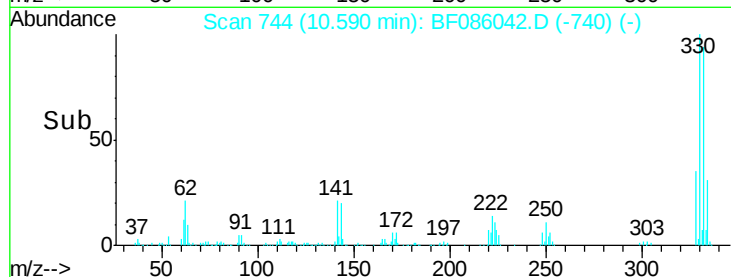
#66  
4-Bromophenyl-phenylether  
Concen: 4.14 ng  
RT: 10.59 min Scan# 744  
Delta R.T. -0.25 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

Tgt Ion:248 Resp: 14657  
Ion Ratio Lower Upper  
248 100  
250 199.1 77.4 116.0#  
141 374.4 63.6 95.4#

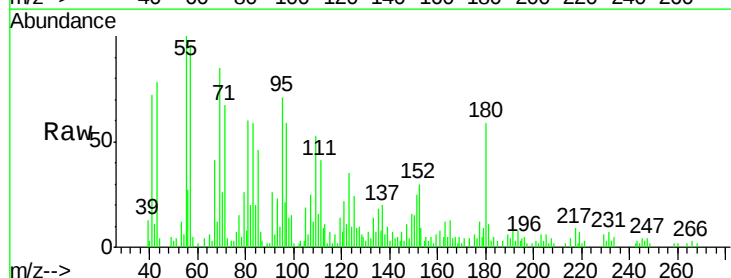


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

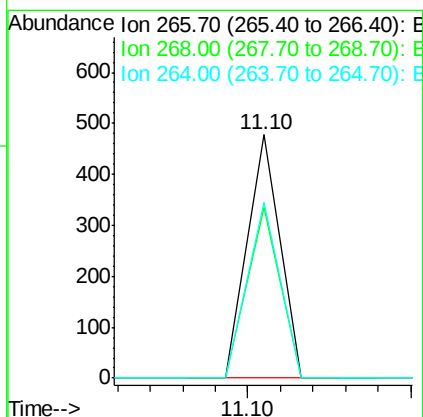
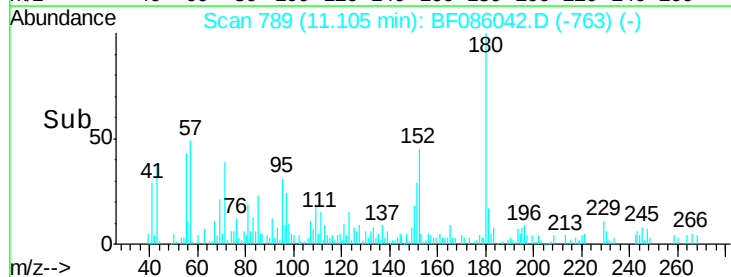


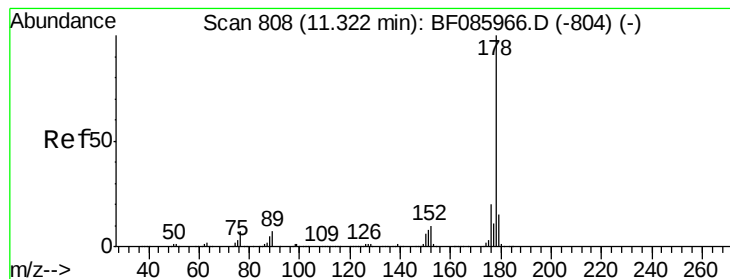
#69  
Pentachlorophenol  
Concen: 0.19 ng  
RT: 11.10 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion:266 Resp: 328  
Ion Ratio Lower Upper  
266 100  
268 70.3 51.5 77.3  
264 72.0 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: 9.71 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

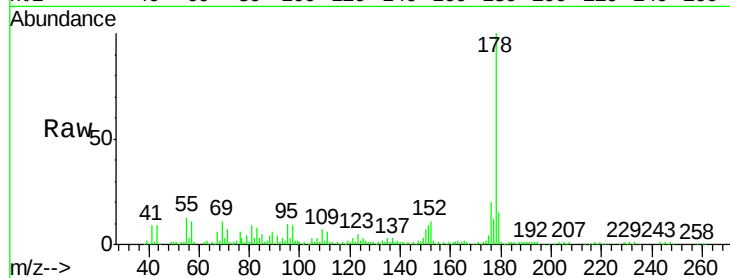
Tgt Ion:178 Resp: 183678

Ion Ratio Lower Upper

178 100

176 19.5 16.3 24.5

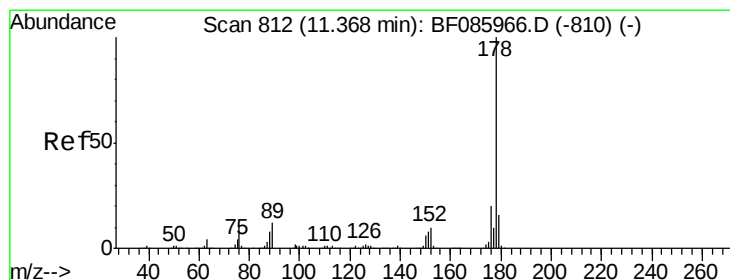
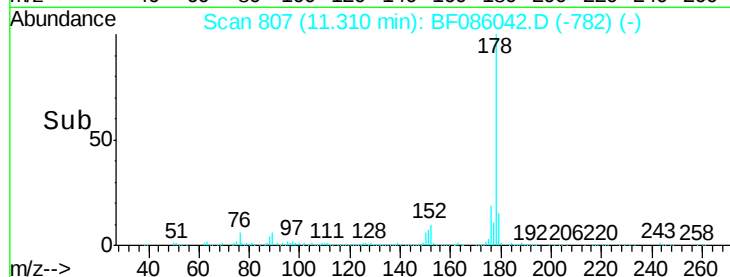
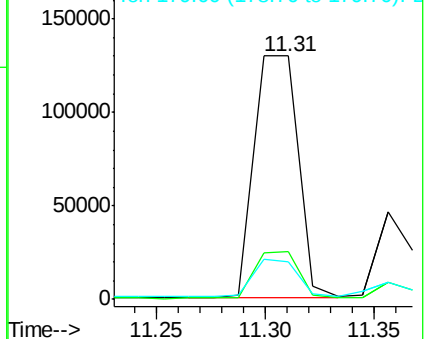
179 15.4 12.6 18.8



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: 2.80 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

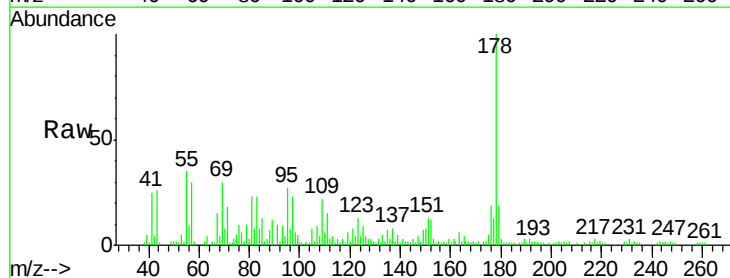
Tgt Ion:178 Resp: 55470

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

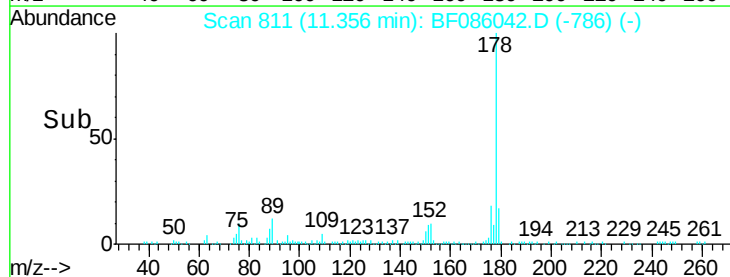
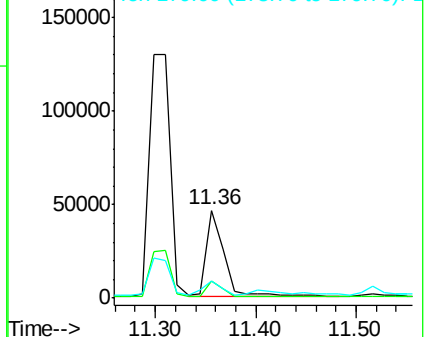
179 18.9 13.0 19.4

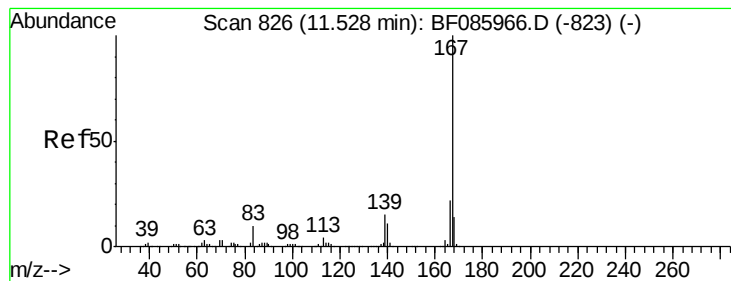


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 1.64 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

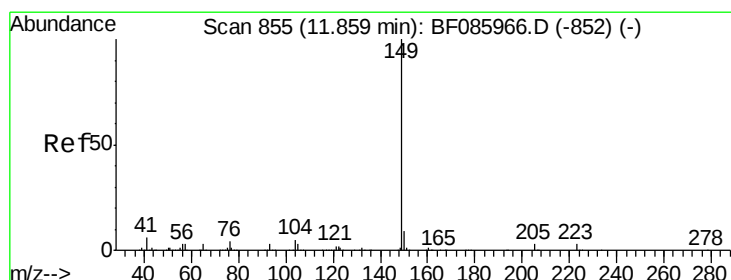
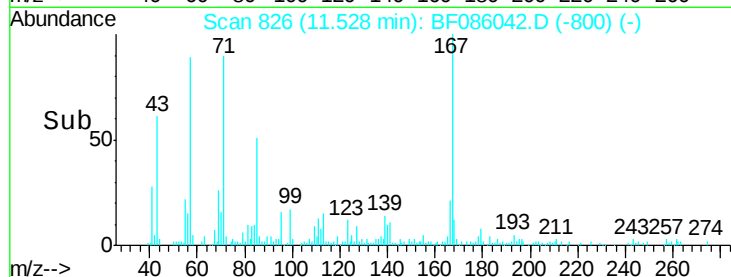
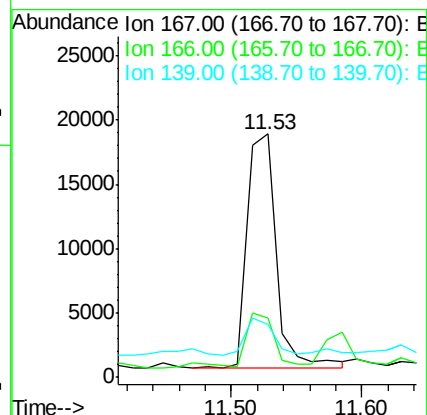
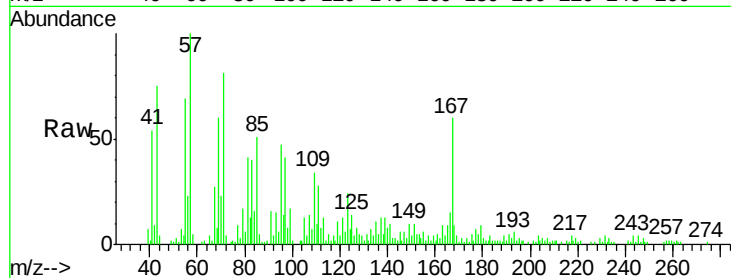
Tgt Ion:167 Resp: 27929

Ion Ratio Lower Upper

167 100

166 24.4 17.8 26.8

139 21.9 11.6 17.4#



#73

Di-n-butylphthalate

Concen: 1.00 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

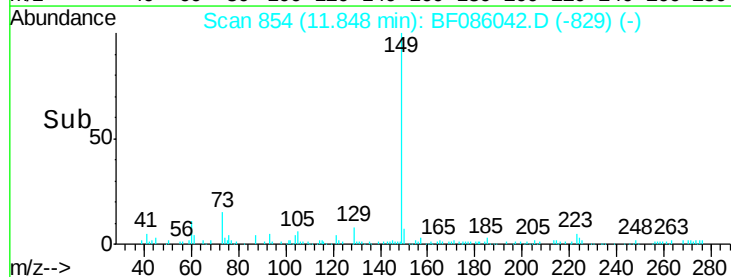
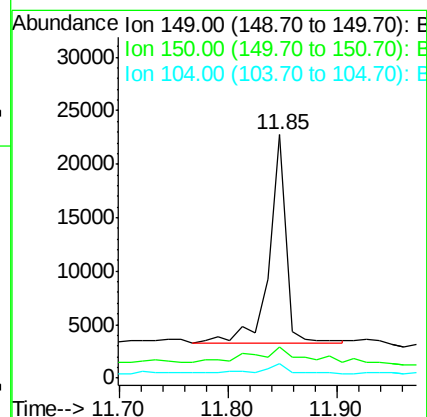
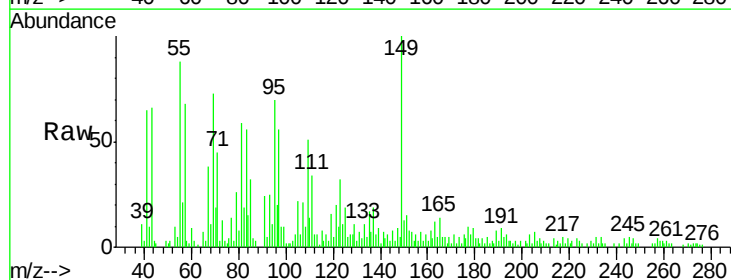
Tgt Ion:149 Resp: 21129

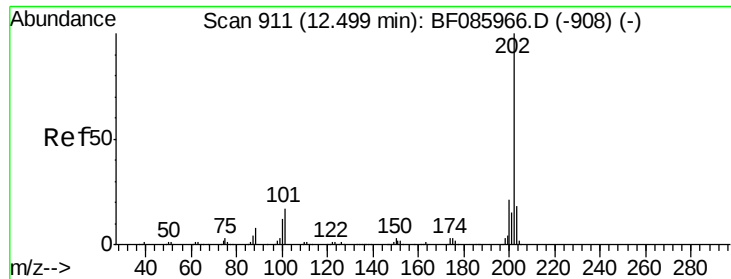
Ion Ratio Lower Upper

149 100

150 13.0 7.6 11.4#

104 5.7 3.8 5.8





#74

Fluoranthene

Concen: 16.51 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

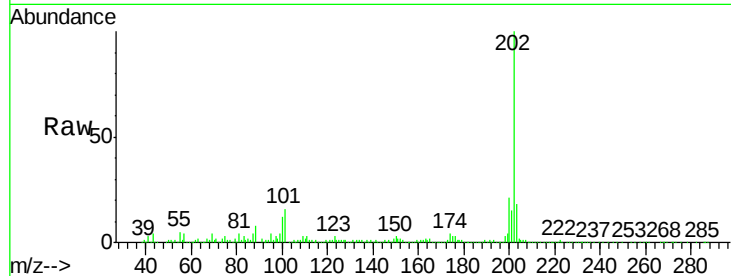
Tgt Ion:202 Resp: 325021

Ion Ratio Lower Upper

202 100

101 16.0 0.0 36.6

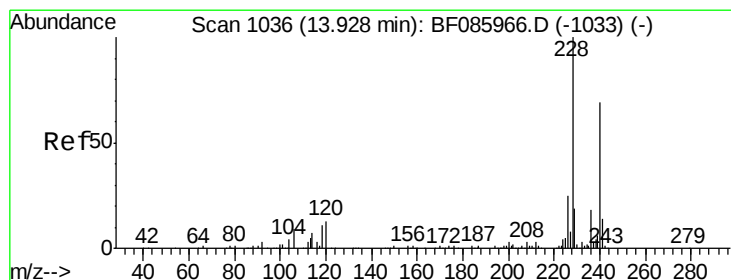
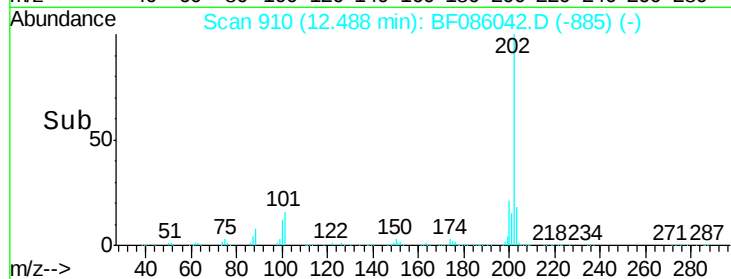
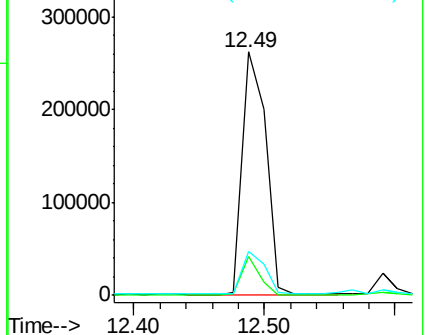
203 18.2 0.0 38.1



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: BF086042.D

Acq: 4 Apr 2016 17:07

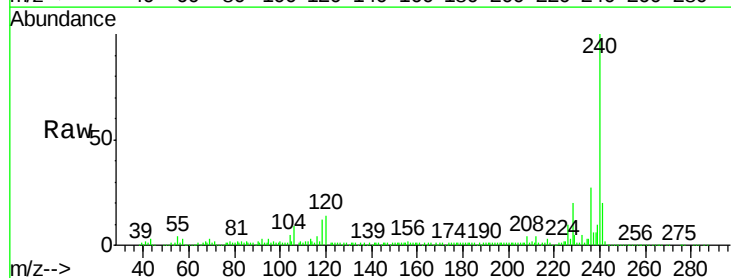
Tgt Ion:240 Resp: 232946

Ion Ratio Lower Upper

240 100

120 14.0 13.8 20.8

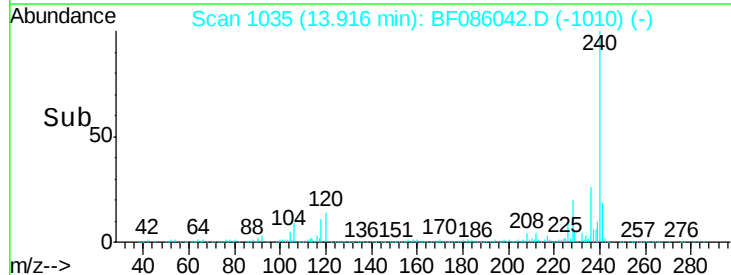
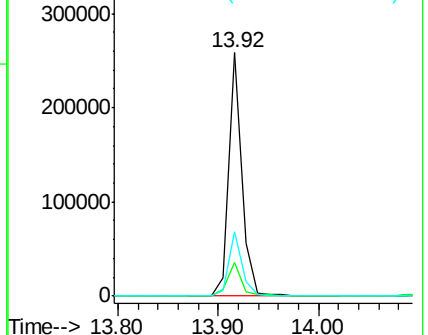
236 26.6 20.6 30.8

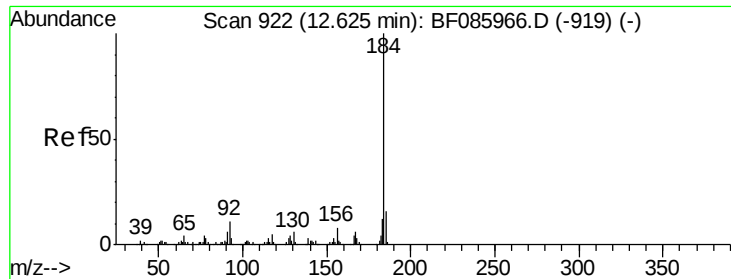


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.11 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.07 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

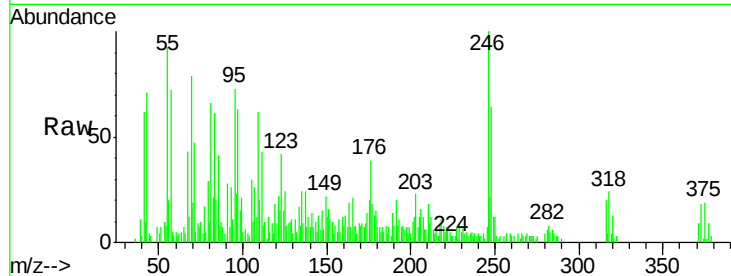
Tgt Ion:184 Resp: 865

Ion Ratio Lower Upper

184 100

185 157.6 12.4 18.6#

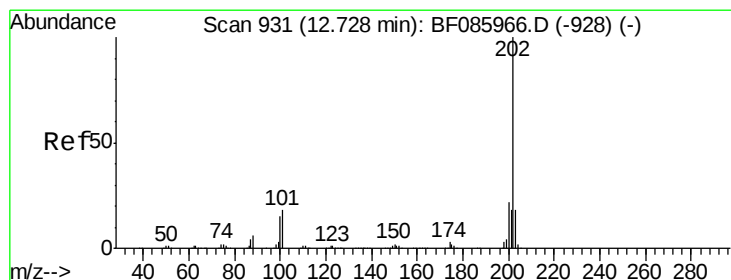
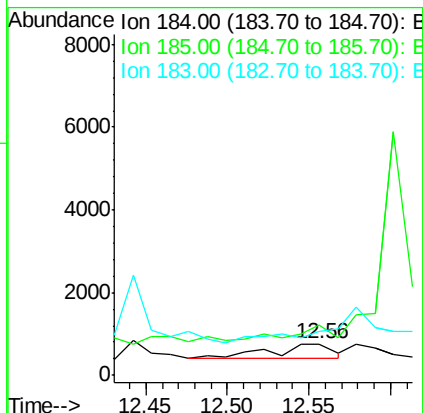
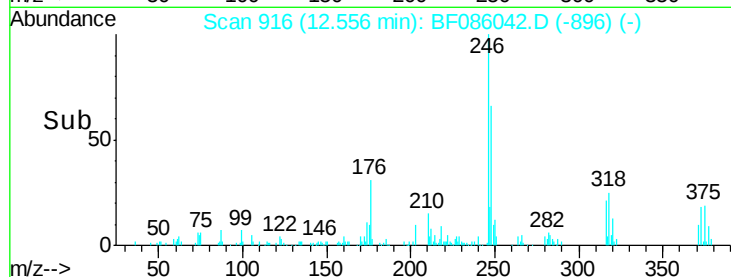
183 138.8 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 17.18 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

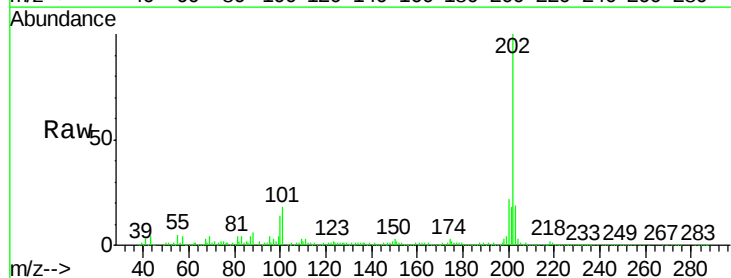
Tgt Ion:202 Resp: 282081

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

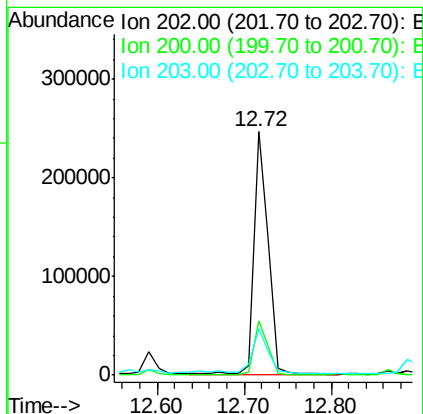
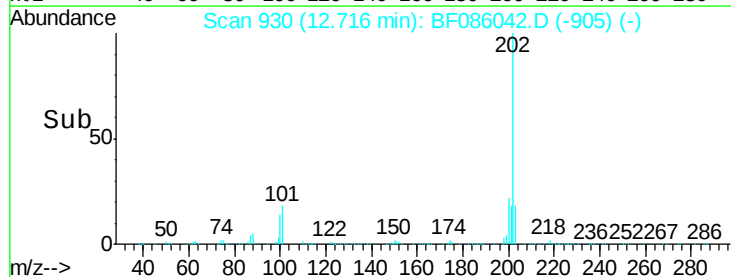
203 18.9 14.0 21.0

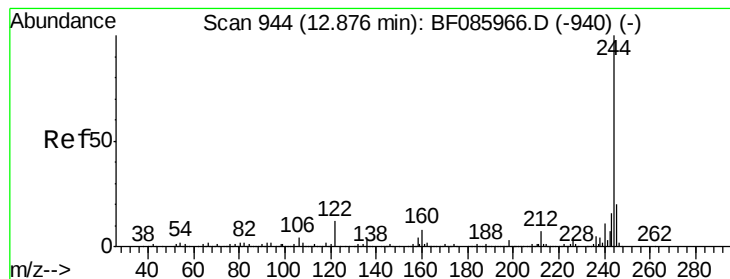


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.47 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

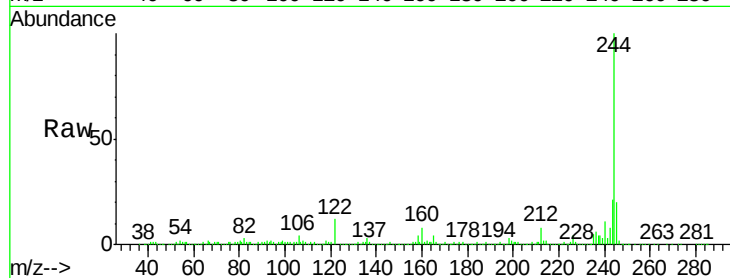
Tgt Ion:244 Resp: 609109

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

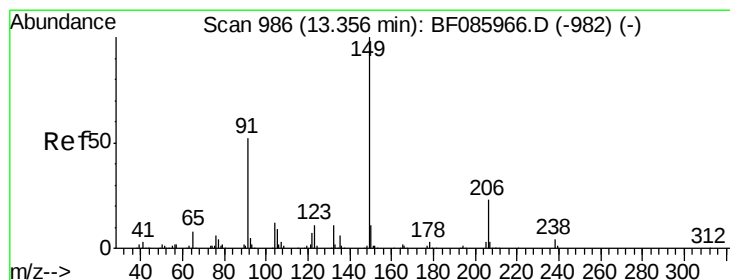
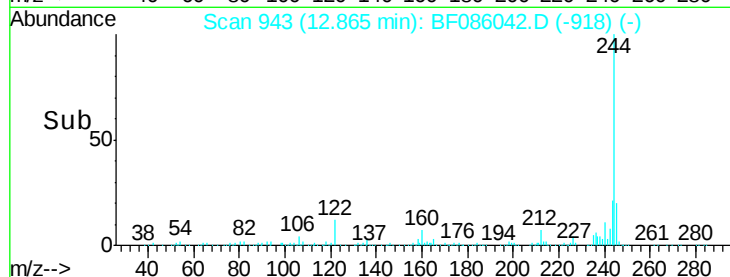
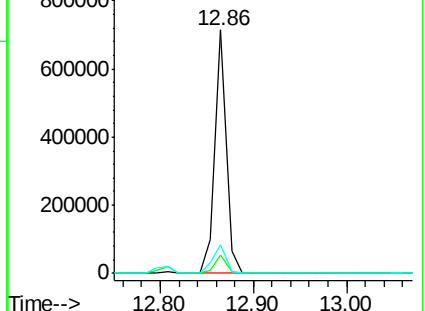
122 11.9 10.2 15.4



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



#79

Butylbenzylphthalate

Concen: 0.85 ng

RT: 13.34 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

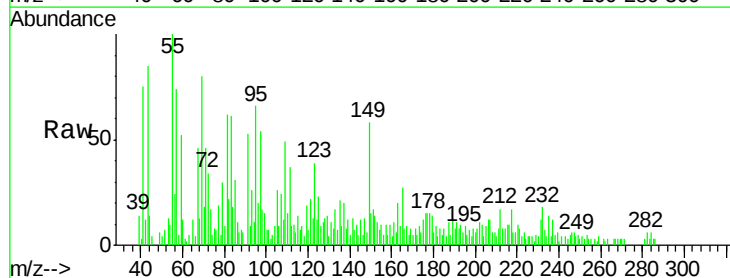
Tgt Ion:149 Resp: 6304

Ion Ratio Lower Upper

149 100

91 91.0 45.8 68.8#

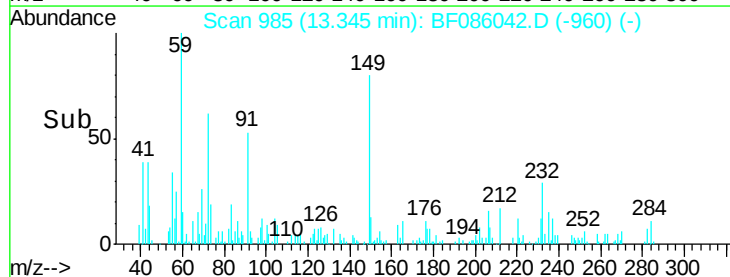
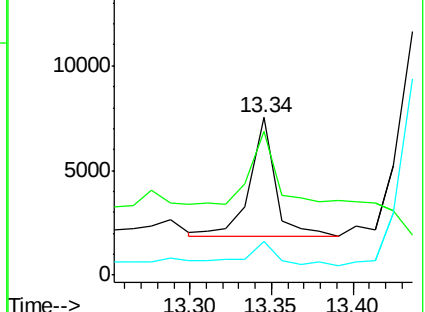
206 21.2 17.8 26.8

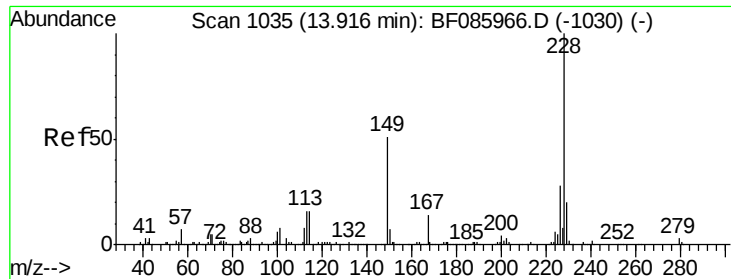


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 11.85 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

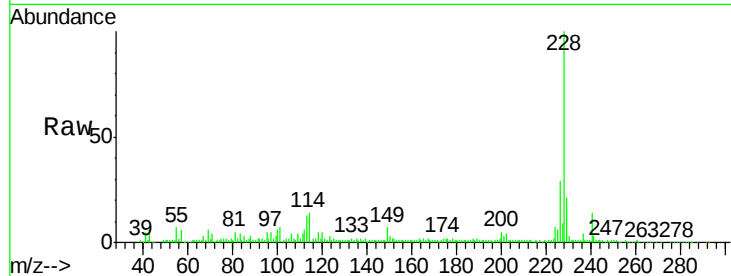
Instrument :

BNA\_F

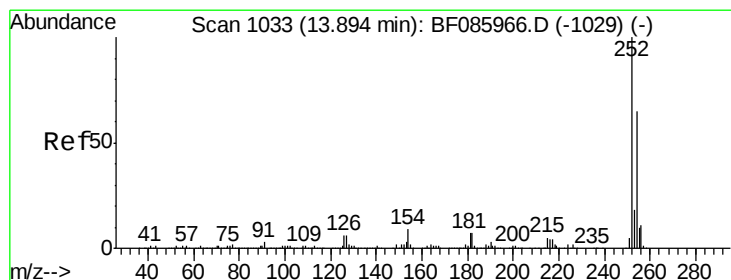
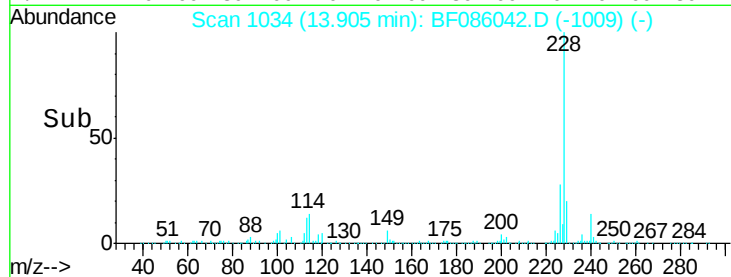
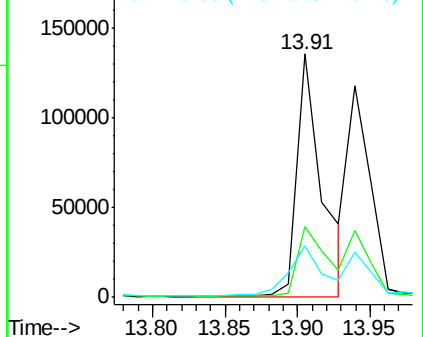
ClientSampleId :

TK2-1-20160401

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 162731 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 29.1  | 22.1  | 33.1   |
| 229      | 21.4  | 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



#81

3,3'-Dichlorobenzidine

Concen: 0.25 ng

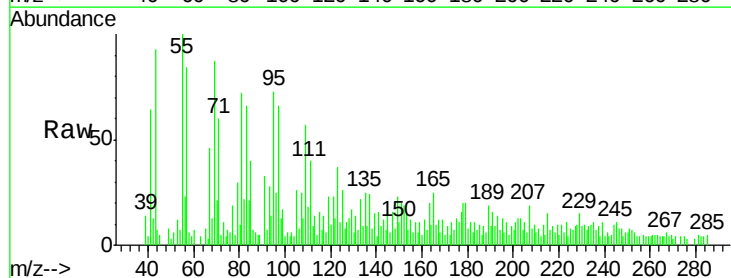
RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

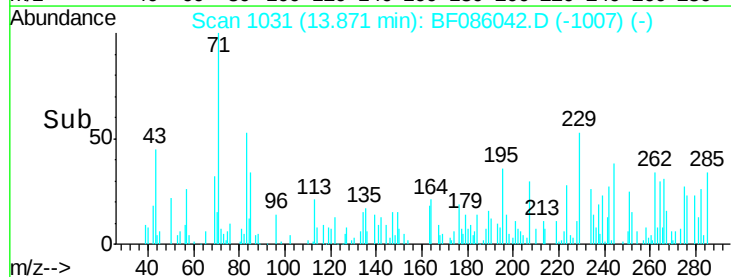
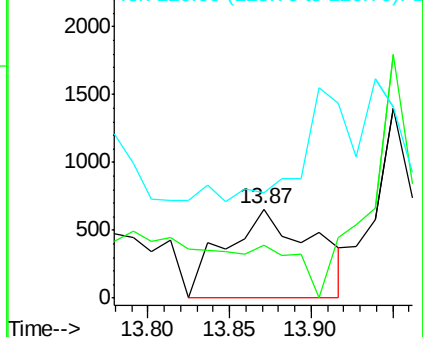
Lab File: BF086042.D

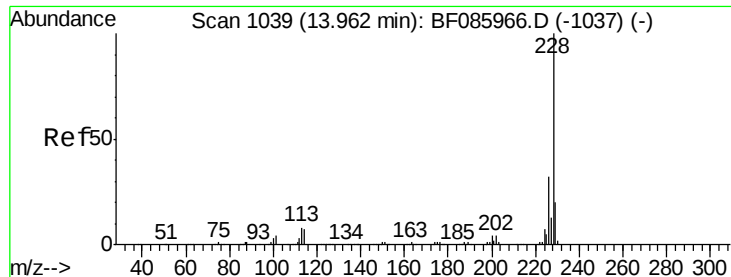
Acq: 4 Apr 2016 17:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 2463  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 254      | 59.3  | 50.7  | 76.1  |
| 126      | 117.6 | 11.8  | 17.6# |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 9.47 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

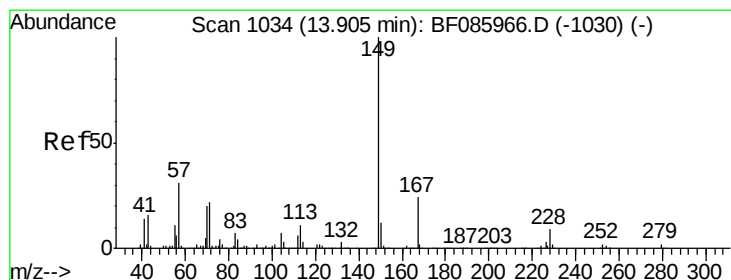
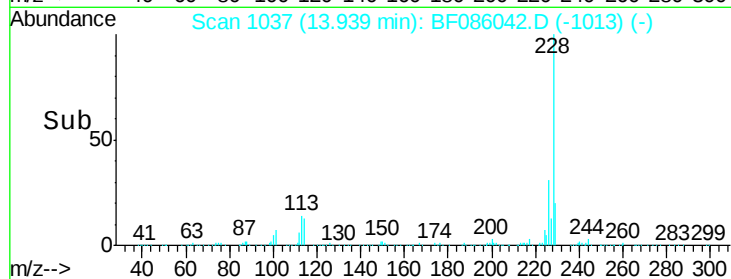
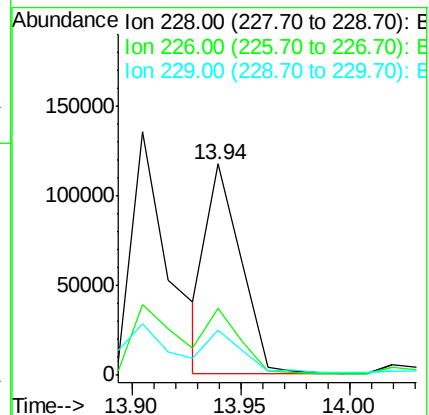
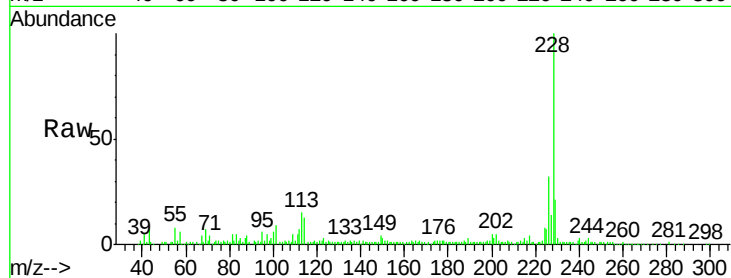
Tgt Ion:228 Resp: 125316

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 21.3 15.7 23.5



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.02 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

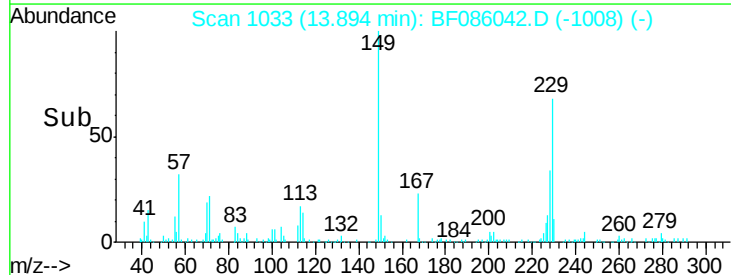
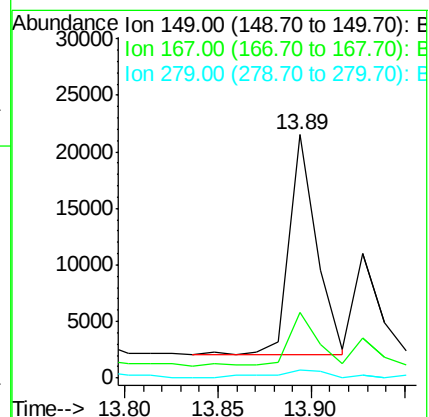
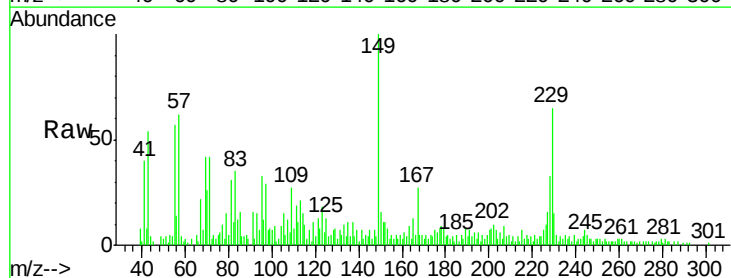
Tgt Ion:149 Resp: 19783

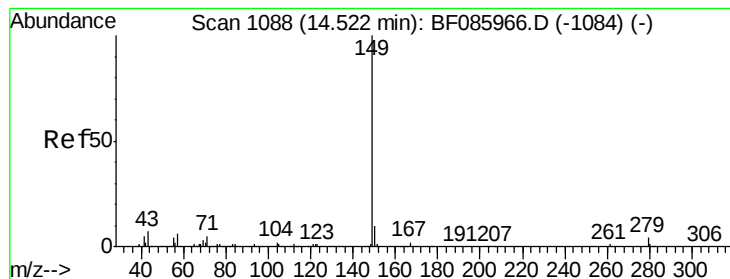
Ion Ratio Lower Upper

149 100

167 27.0 19.4 29.2

279 3.3 1.5 2.3#





#84

Di-n-octyl phthalate

Concen: 0.11 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

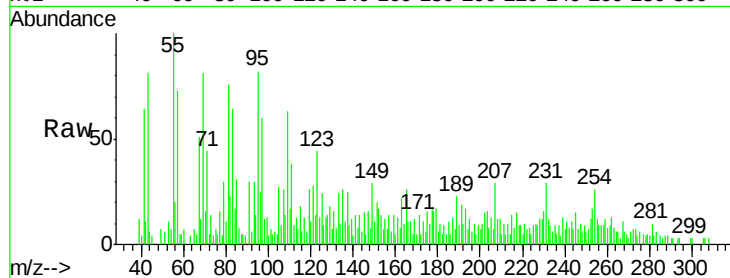
Tgt Ion:149 Resp: 1749

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

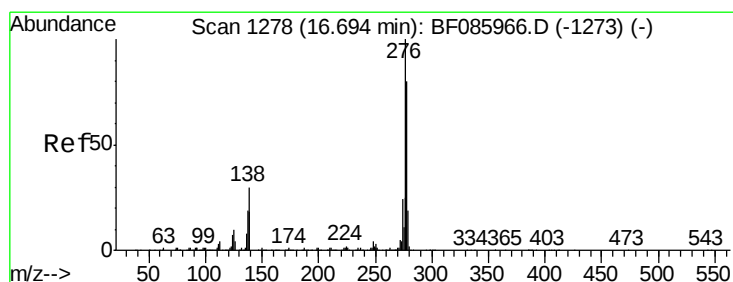
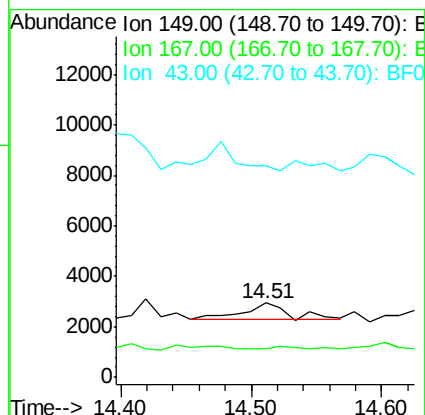
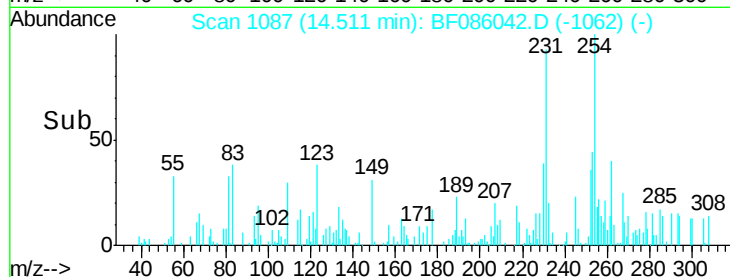
43 0.0 7.1 10.7#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.79 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

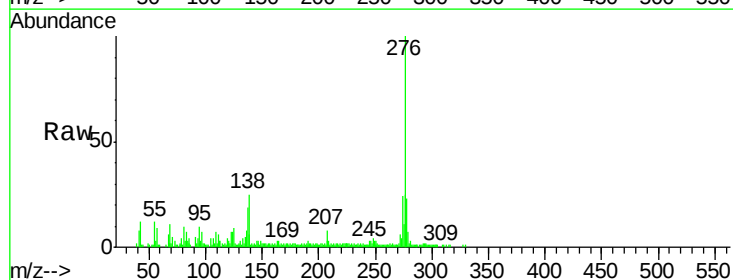
Tgt Ion:276 Resp: 94281

Ion Ratio Lower Upper

276 100

138 25.7 24.2 36.4

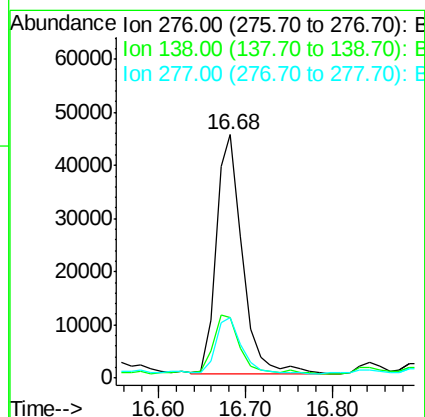
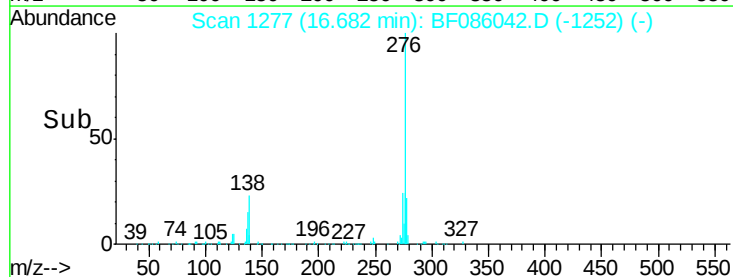
277 24.1 20.0 30.0

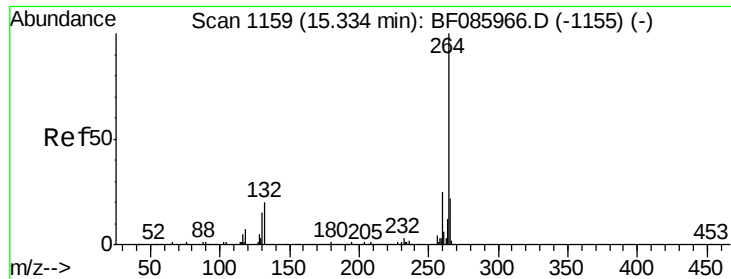


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

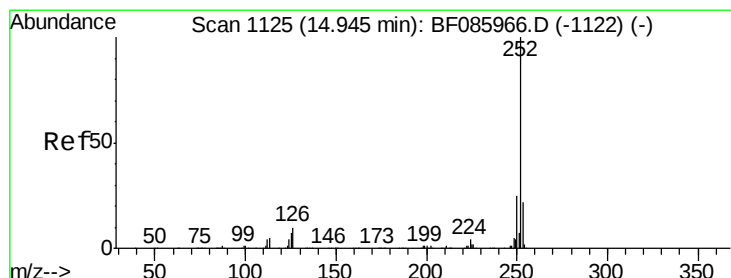
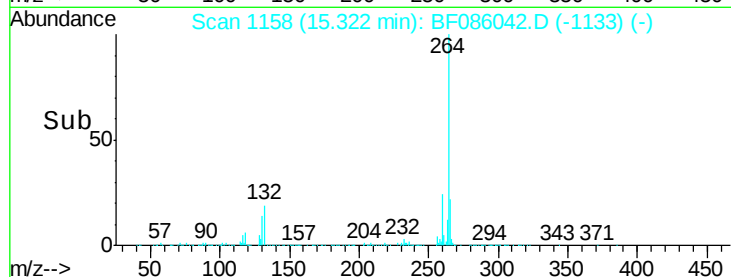
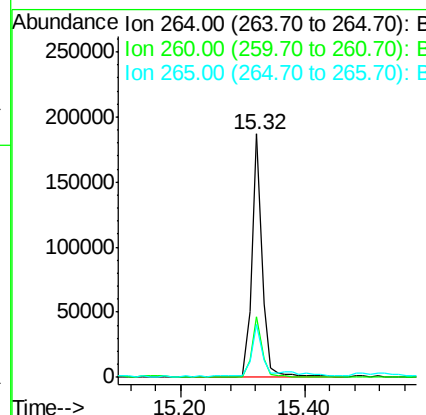
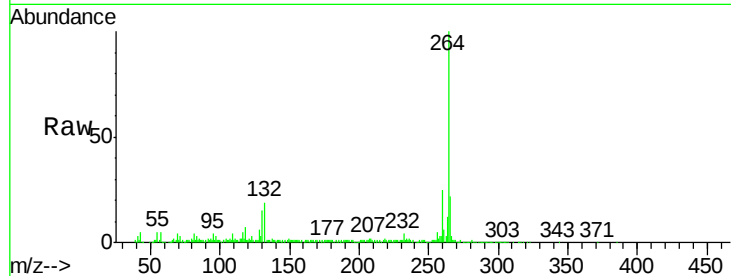




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.32 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

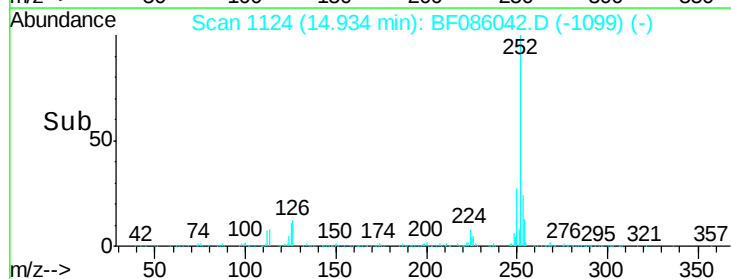
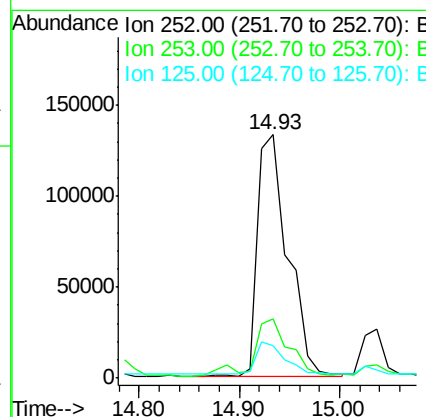
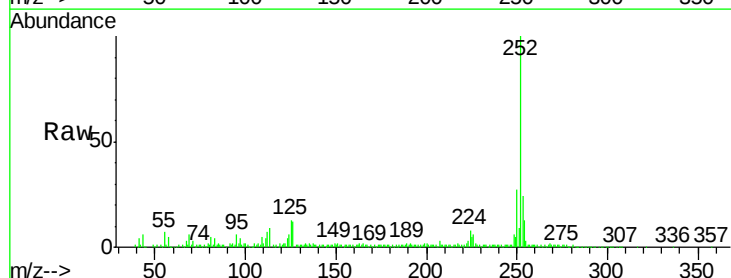
Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

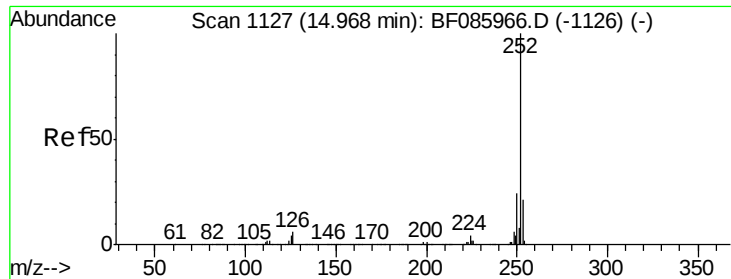
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.4  | 29.2  |
| 265     | 22.0  | 17.2  | 25.8  |



#87  
Benzo(b)fluoranthene  
Concen: 21.00 ng  
RT: 14.93 min Scan# 1124  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.6  | 26.4  |
| 125     | 13.1  | 10.3  | 15.5  |

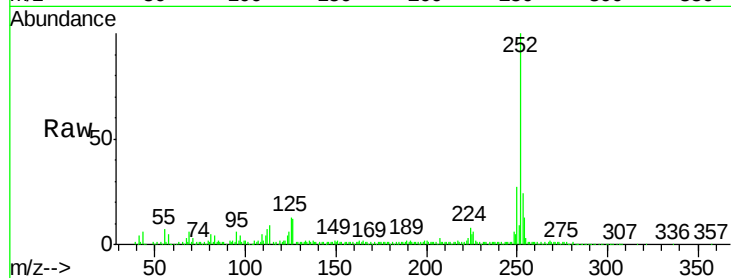




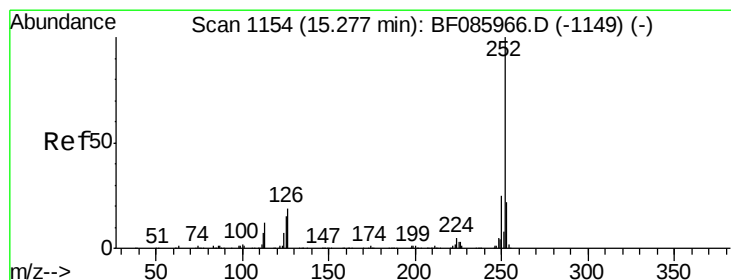
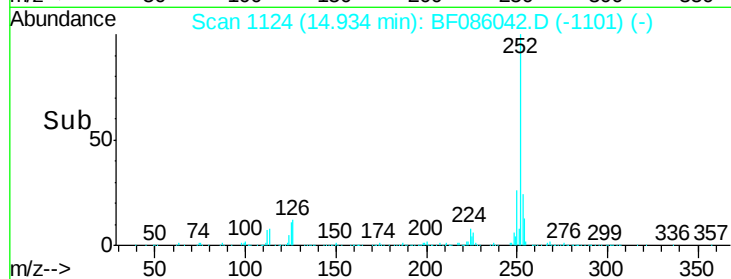
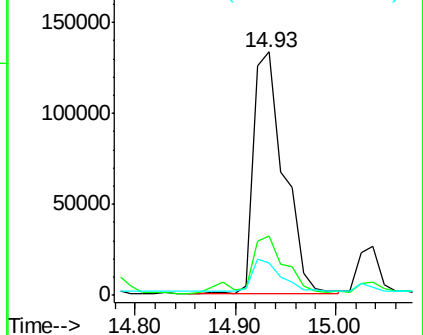
#88  
Benzo(k)fluoranthene  
Concen: 23.71 ng  
RT: 14.93 min Scan# 1124  
Delta R.T. -0.03 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
TK2-1-20160401

Tgt Ion:252 Resp: 280403  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.8 26.6  
125 13.1 7.7 11.5#

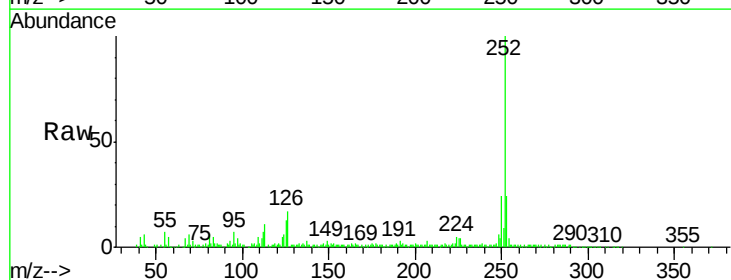


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

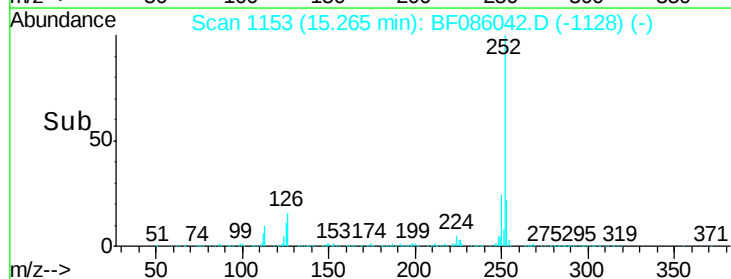
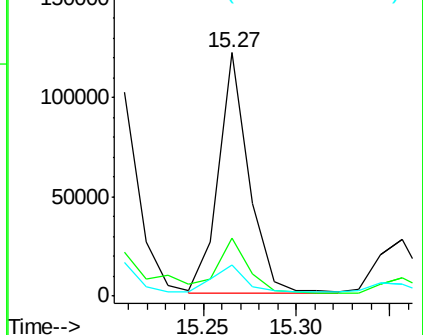


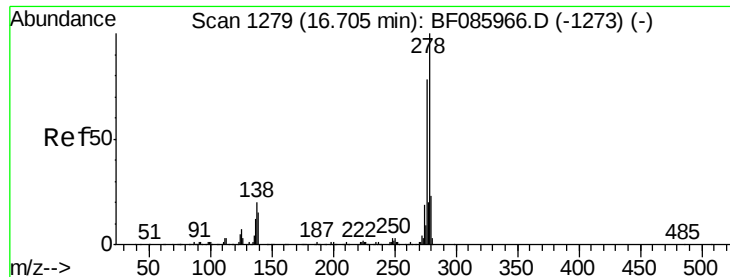
#89  
Benzo(a)pyrene  
Concen: 11.77 ng  
RT: 15.27 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF086042.D  
Acq: 4 Apr 2016 17:07

Tgt Ion:252 Resp: 139288  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.4 26.0  
125 13.0 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: 2.42 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA\_F

ClientSampleId :

TK2-1-20160401

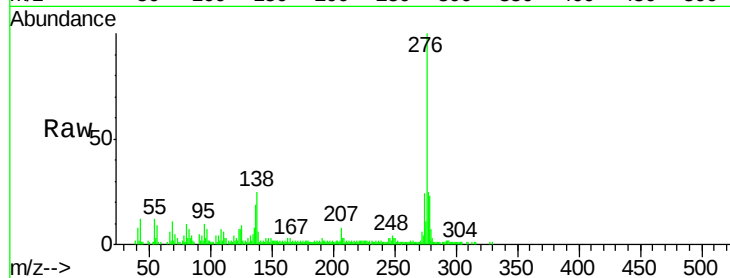
Tgt Ion:278 Resp: 23027

Ion Ratio Lower Upper

278 100

139 26.6 14.4 21.6#

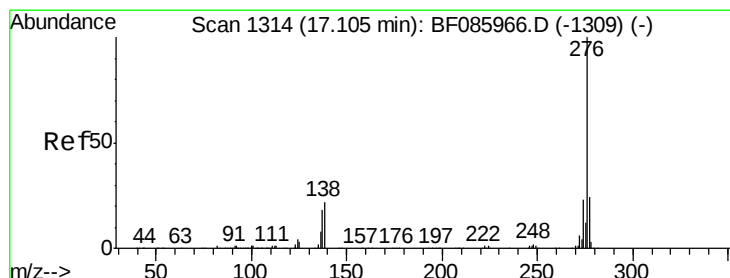
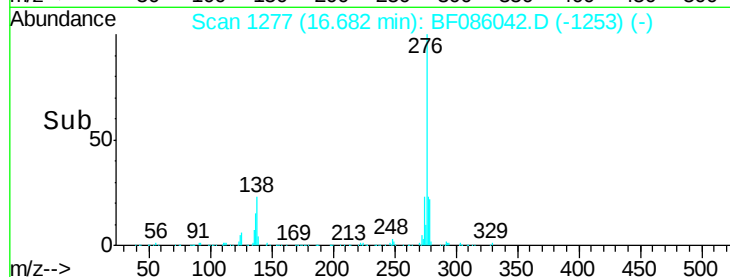
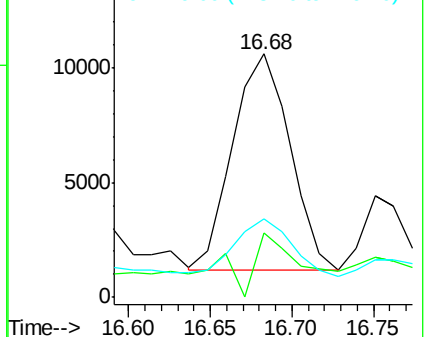
279 32.1 19.1 28.7#



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: 9.75 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

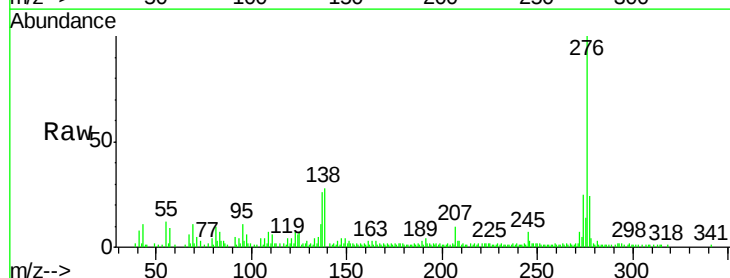
Tgt Ion:276 Resp: 89792

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 28.1 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

