

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031915\  
 Data File : BF077857.D  
 Acq On : 20 Mar 2015 5:45  
 Operator : TP/IZ  
 Sample : G1557-01MSD  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Quant Time: Mar 20 05:43:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 20 06:30:20 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.15  | 152  | 43787    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.73  | 136  | 176413   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.90 | 164  | 89202    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.74 | 188  | 177358   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.02 | 240  | 179665   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 17.76 | 264  | 179897   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 390469 | 155.66 | ng | 0.01 |
| 7) Phenol-d6             | 6.74  | 99  | 513446 | 165.66 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.85  | 82  | 279296 | 103.78 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.88 | 330 | 122001 | 142.95 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 10.08 | 172 | 594117 | 97.88  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.74 | 244 | 703578 | 95.66  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.05 | 88  | 41413  | 36.36 | ng | # 100  |
| 3) Pyridine                    | 2.74 | 79  | 106365 | 34.76 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.66 | 42  | 61396  | 46.08 | ng | 87     |
| 6) Aniline                     | 6.74 | 93  | 55274  | 12.47 | ng | # 14   |
| 8) 2-Chlorophenol              | 6.89 | 128 | 146216 | 48.97 | ng | 97     |
| 9) Benzaldehyde                | 6.60 | 77  | 9888   | 7.79  | ng | 94     |
| 10) Phenol                     | 6.75 | 94  | 178603 | 48.75 | ng | 78     |
| 11) bis(2-Chloroethyl)ether    | 6.85 | 93  | 134056 | 48.85 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.17 | 146 | 150133 | 45.21 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.17 | 146 | 150133 | 43.51 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.36 | 146 | 145391 | 45.96 | ng | 96     |
| 15) Benzyl Alcohol             | 7.34 | 79  | 117803 | 48.69 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.52 | 45  | 169489 | 45.83 | ng | 97     |
| 17) 2-Methylphenol             | 7.49 | 107 | 112476 | 46.27 | ng | 96     |
| 18) Hexachloroethane           | 7.77 | 117 | 50133  | 44.30 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.68 | 70  | 98317  | 45.86 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.69 | 107 | 151934 | 47.63 | ng | 94     |
| 22) Acetophenone               | 7.66 | 105 | 198530 | 50.84 | ng | # 95   |
| 24) Nitrobenzene               | 7.87 | 77  | 146250 | 50.44 | ng | 94     |
| 25) Isophorone                 | 8.17 | 82  | 251220 | 46.22 | ng | # 91   |
| 26) 2-Nitrophenol              | 8.27 | 139 | 70693  | 49.80 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 8.34 | 122 | 129623 | 50.13 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.45 | 93  | 165550 | 50.18 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.57 | 162 | 125119 | 50.76 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.66 | 180 | 126559 | 45.89 | ng | 96     |
| 31) Naphthalene                | 8.75 | 128 | 409559 | 45.20 | ng | 99     |
| 32) Benzoic acid               | 8.46 | 122 | 74970  | 51.72 | ng | 97     |
| 33) 4-Chloroaniline            | 8.84 | 127 | 47498  | 12.92 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.91 | 225 | 71499  | 45.74 | ng | 97     |
| 35) Caprolactam                | 9.28 | 113 | 37775  | 52.44 | ng | # 82   |
| 36) 4-Chloro-3-methylphenol    | 9.46 | 107 | 121888 | 49.15 | ng | 98     |
| 37) 2-Methylnaphthalene        | 9.62 | 142 | 286177 | 47.02 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.82 | 216 | 121699 | 45.74 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.80 | 237 | 112565 | 84.34 | ng | 99     |

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 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

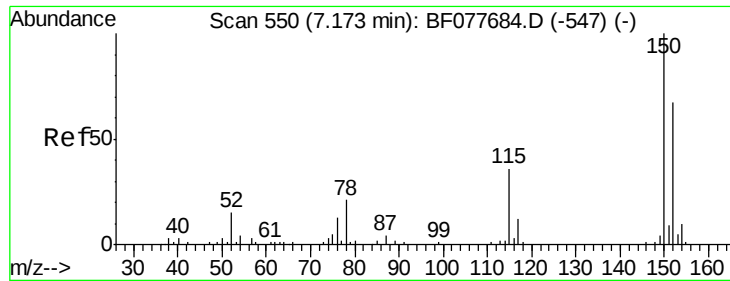
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Quant Time: Mar 20 05:43:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 20 06:30:20 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.97  | 196  | 87882    | 47.69  | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 10.02 | 196  | 90876    | 45.64  | ng #  | 87       |
| 45) 1,1'-Biphenyl              | 10.20 | 154  | 333556   | 46.78  | ng    | 98       |
| 46) 2-Chloronaphthalene        | 10.21 | 162  | 266541   | 46.00  | ng #  | 93       |
| 47) 2-Nitroaniline             | 10.35 | 65   | 73244    | 50.89  | ng    | 92       |
| 48) Acenaphthylene             | 10.73 | 152  | 432574   | 44.89  | ng    | 99       |
| 49) Dimethylphthalate          | 10.59 | 163  | 337362   | 50.99  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.66 | 165  | 66355    | 48.38  | ng    | 94       |
| 51) Acenaphthene               | 10.95 | 154  | 245698   | 44.47  | ng    | 99       |
| 52) 3-Nitroaniline             | 10.87 | 138  | 32594    | 20.46  | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 11.00 | 184  | 55754    | 107.57 | ng #  | 65       |
| 54) Dibenzofuran               | 11.15 | 168  | 388567   | 47.42  | ng    | 92       |
| 55) 4-Nitrophenol              | 11.09 | 139  | 109043   | 92.42  | ng #  | 76       |
| 56) 2,4-Dinitrotoluene         | 11.16 | 165  | 92746    | 51.86  | ng #  | 60       |
| 57) Fluorene                   | 11.59 | 166  | 313847   | 46.13  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.31 | 232  | 75259    | 49.09  | ng #  | 100      |
| 59) Diethylphthalate           | 11.47 | 149  | 315944   | 49.01  | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.59 | 204  | 142134   | 45.77  | ng #  | 84       |
| 61) 4-Nitroaniline             | 11.62 | 138  | 70520    | 44.43  | ng    | 84       |
| 62) Azobenzene                 | 11.79 | 77   | 295417   | 47.95  | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 11.65 | 198  | 39721    | 47.48  | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 11.75 | 169  | 278264   | 47.12  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.19 | 248  | 85587    | 45.22  | ng #  | 81       |
| 67) Hexachlorobenzene          | 12.25 | 284  | 89898    | 43.23  | ng #  | 77       |
| 68) Atrazine                   | 12.42 | 200  | 90122    | 54.45  | ng    | 95       |
| 69) Pentachlorophenol          | 12.51 | 266  | 97566    | 89.20  | ng    | 99       |
| 70) Phenanthrene               | 12.76 | 178  | 464019   | 45.57  | ng    | 99       |
| 71) Anthracene                 | 12.83 | 178  | 460019   | 45.73  | ng    | 100      |
| 72) Carbazole                  | 13.05 | 167  | 453311   | 47.37  | ng    | 97       |
| 73) Di-n-butylphthalate        | 13.49 | 149  | 504093   | 46.98  | ng    | 100      |
| 74) Fluoranthene               | 14.24 | 202  | 510655   | 45.47  | ng    | 93       |
| 76) Benzidine                  | 14.43 | 184  | 150058   | 33.69  | ng    | 100      |
| 77) Pyrene                     | 14.52 | 202  | 519157   | 45.95  | ng    | 100      |
| 79) Butylbenzylphthalate       | 15.36 | 149  | 228857   | 51.38  | ng    | 95       |
| 80) Benzo(a)anthracene         | 16.01 | 228  | 490788   | 46.08  | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 16.00 | 252  | 85779    | 24.42  | ng #  | 97       |
| 82) Chrysene                   | 16.05 | 228  | 462566   | 48.30  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.08 | 149  | 329604   | 48.85  | ng #  | 97       |
| 84) Di-n-octyl phthalate       | 16.87 | 149  | 557165   | 48.29  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.15 | 276  | 550208   | 46.03  | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 17.31 | 252  | 477200   | 40.63  | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 17.31 | 252  | 477200   | 52.02  | ng    | 99       |
| 89) Benzo(a)pyrene             | 17.69 | 252  | 470103   | 47.97  | ng #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 19.17 | 278  | 456417   | 46.96  | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.56 | 276  | 457106   | 46.20  | ng    | 99       |
| -----                          |       |      |          |        |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.15 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

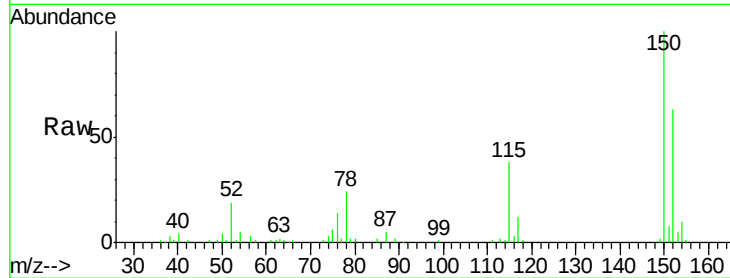
Tgt Ion:152 Resp: 43787

Ion Ratio Lower Upper

152 100

150 158.7 119.5 179.3

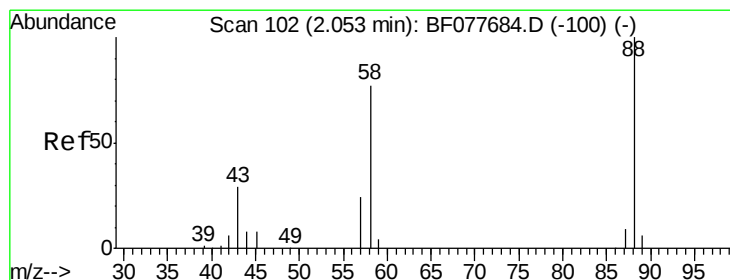
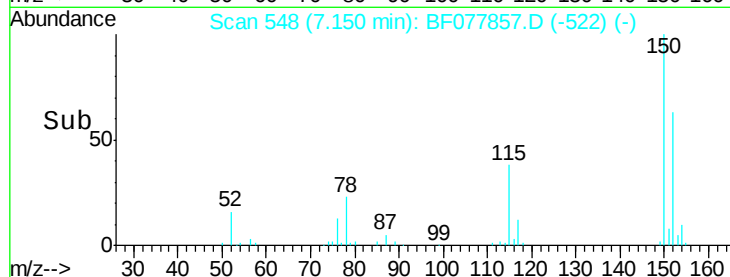
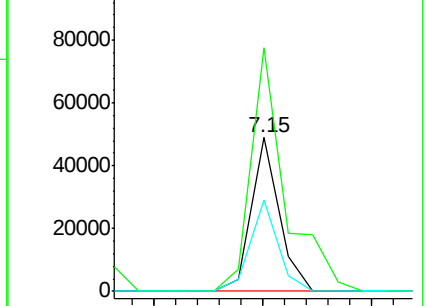
115 59.7 43.0 64.4



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



#2

1,4-Dioxane

Concen: 36.36 ng

RT: 2.05 min Scan# 102

Delta R.T. 0.02 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

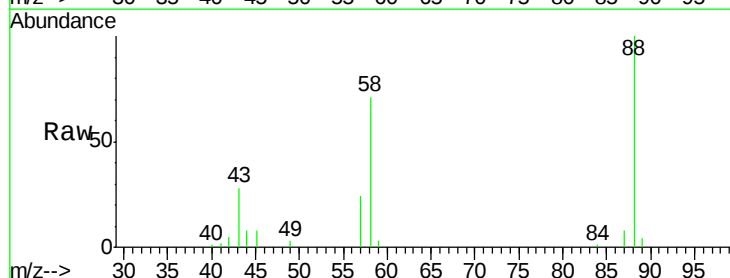
Tgt Ion: 88 Resp: 41413

Ion Ratio Lower Upper

88 100

58 75.3 0.0 0.0#

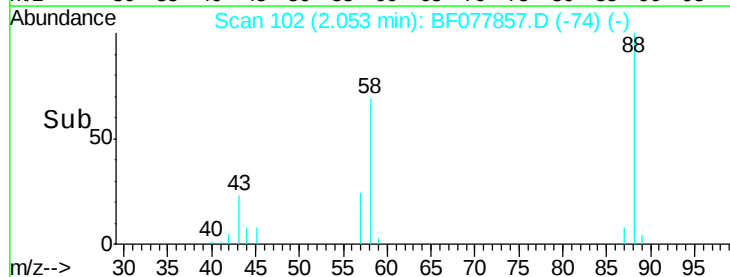
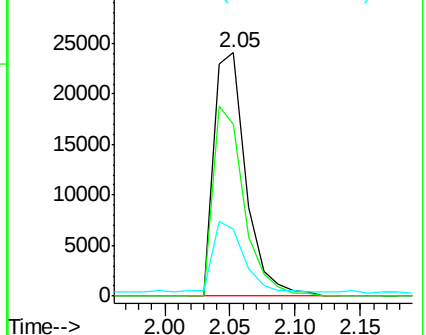
43 28.1 0.0 0.0#

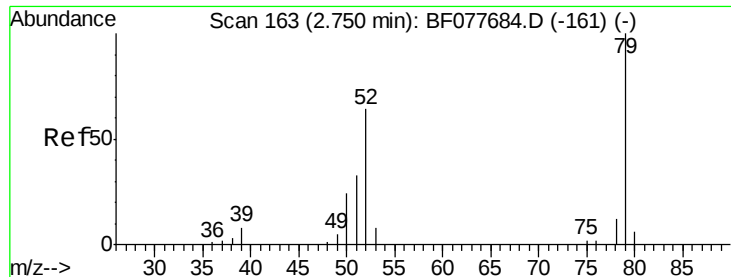


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

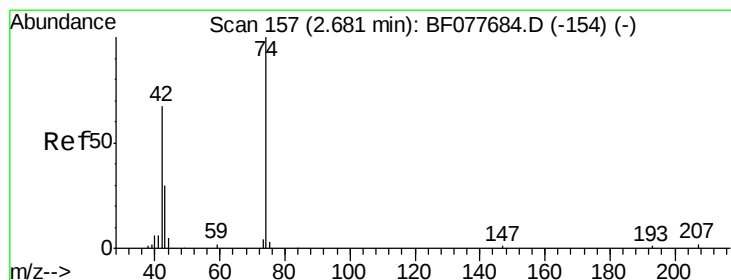
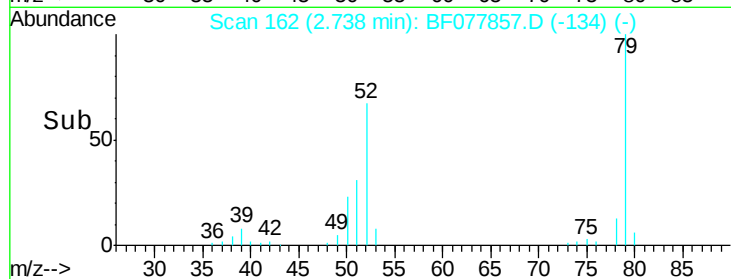
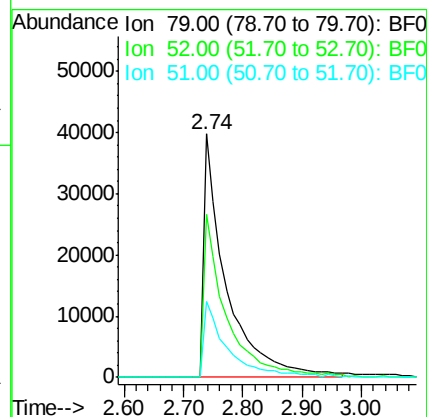
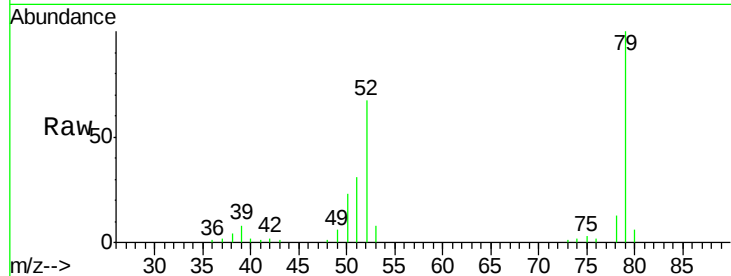




#3  
 Pyridine  
 Concen: 34.76 ng  
 RT: 2.74 min Scan# 162  
 Delta R.T. 0.02 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

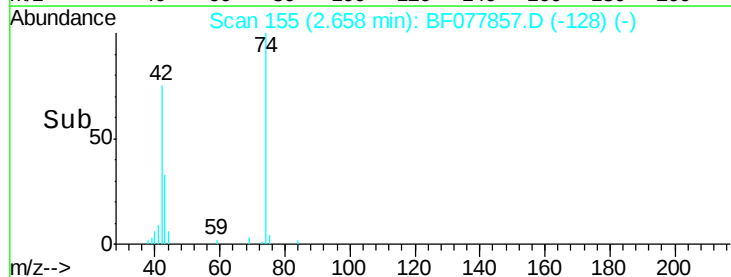
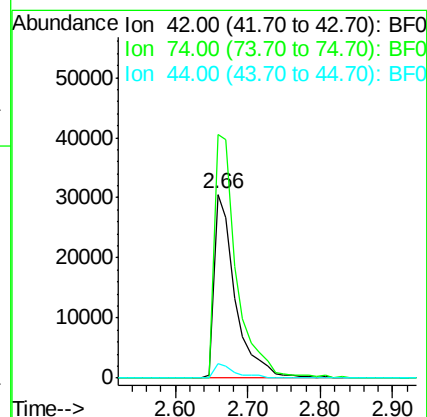
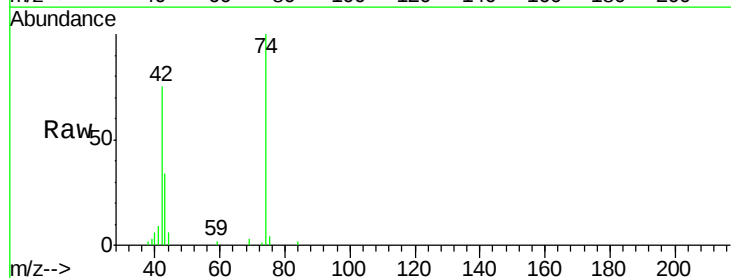
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

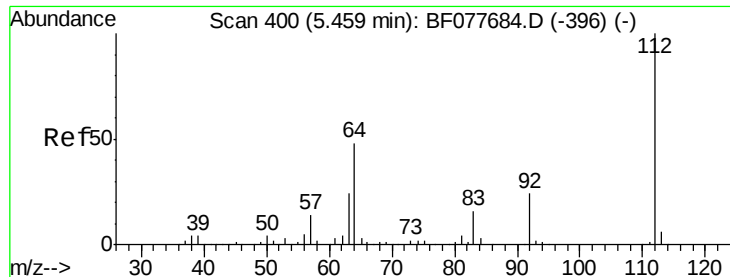
Tgt Ion: 79 Resp: 106365  
 Ion Ratio Lower Upper  
 79 100  
 52 66.7 51.1 76.7  
 51 31.2 26.1 39.1



#4  
 n-Nitrosodimethylamine  
 Concen: 46.08 ng  
 RT: 2.66 min Scan# 155  
 Delta R.T. 0.01 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion: 42 Resp: 61396  
 Ion Ratio Lower Upper  
 42 100  
 74 132.6 119.3 178.9  
 44 7.8 5.4 8.2





#5

2-Fluorophenol

Concen: 155.66 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

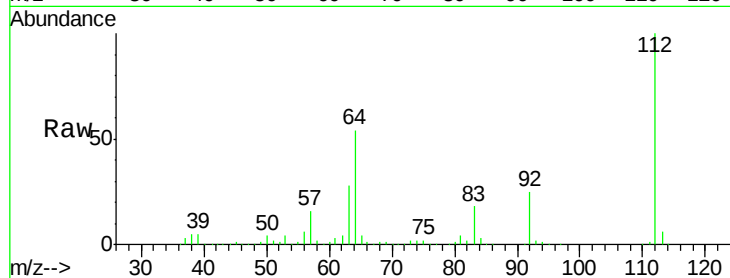
Tgt Ion: 112 Resp: 390469

Ion Ratio Lower Upper

112 100

64 54.2 38.6 57.8

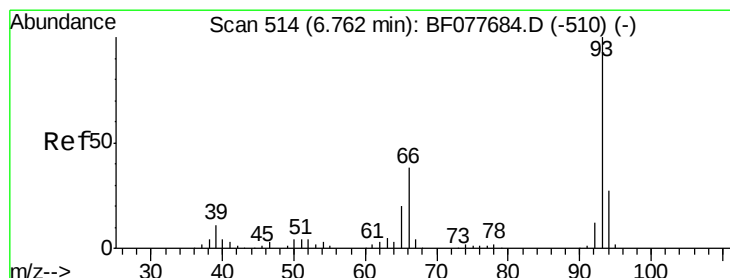
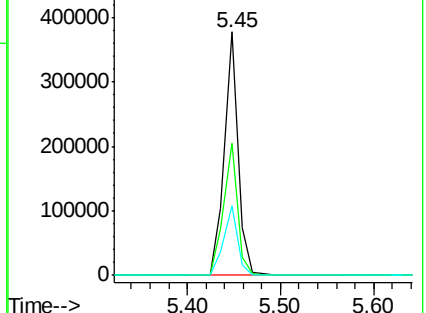
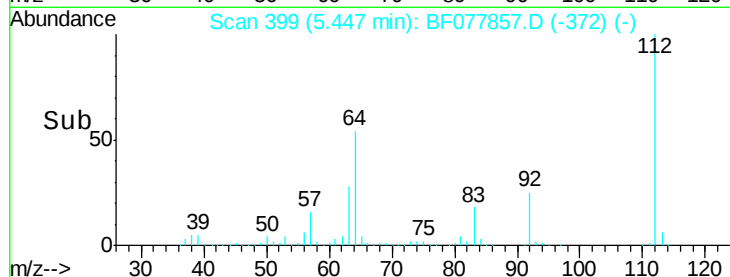
63 28.5 19.3 28.9



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: 12.47 ng

RT: 6.74 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

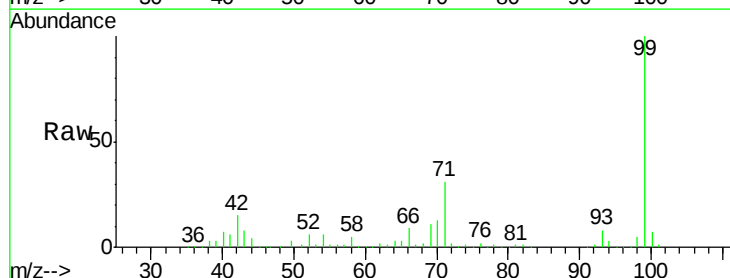
Tgt Ion: 93 Resp: 55274

Ion Ratio Lower Upper

93 100

66 103.6 30.8 46.2#

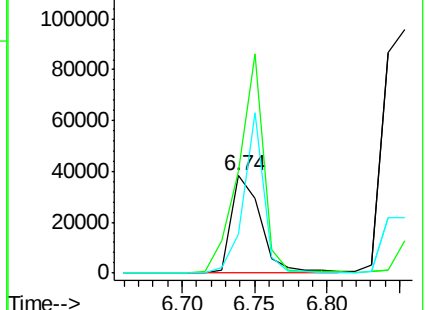
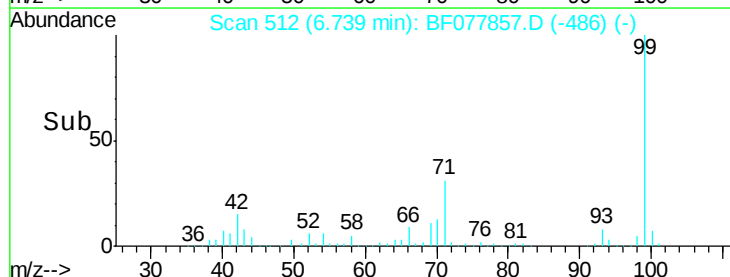
65 40.3 16.0 24.0#

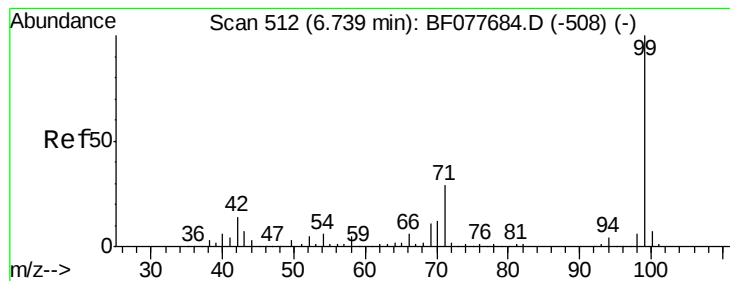


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 165.66 ng

RT: 6.74 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

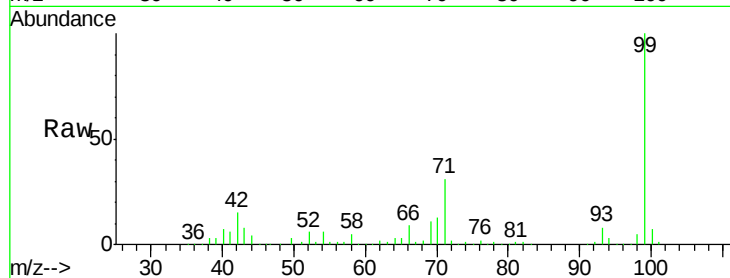
Tgt Ion: 99 Resp: 513446

Ion Ratio Lower Upper

99 100

42 15.2 11.0 16.4

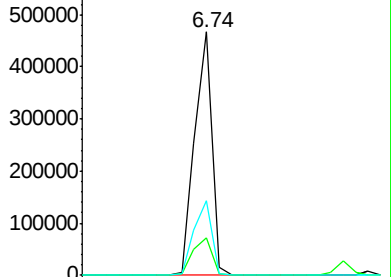
71 30.6 23.4 35.2



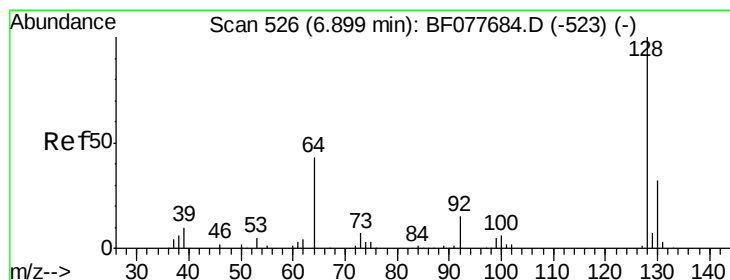
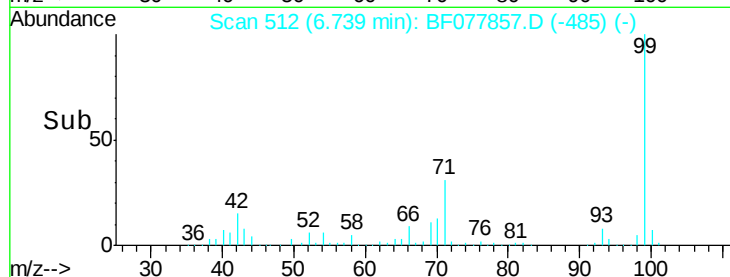
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#8

2-Chlorophenol

Concen: 48.97 ng

RT: 6.89 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

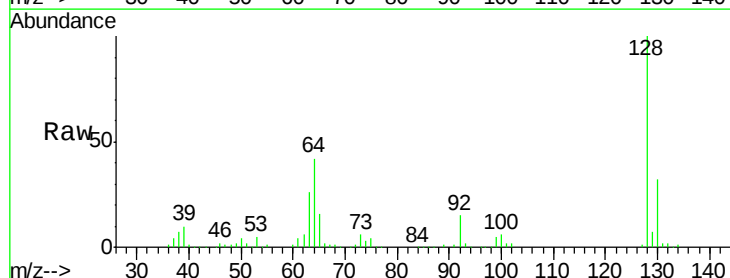
Tgt Ion: 128 Resp: 146216

Ion Ratio Lower Upper

128 100

130 31.8 12.0 52.0

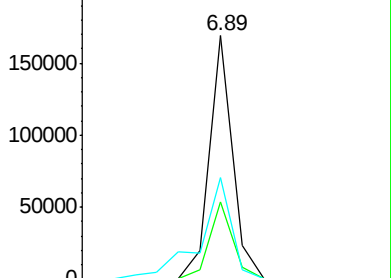
64 41.7 24.9 64.9



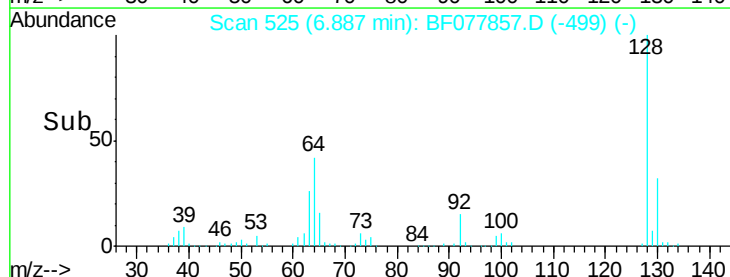
Abundance Ion 128.00 (127.70 to 128.70): E

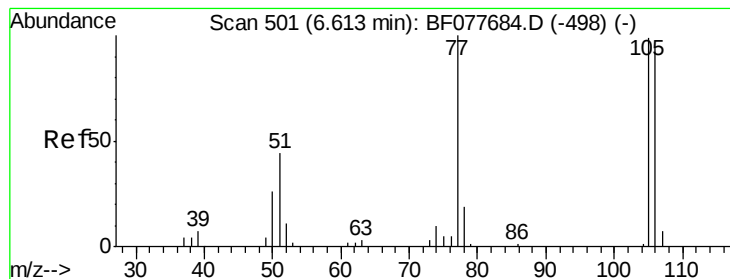
Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



Time-->





#9

Benzaldehyde

Concen: 7.79 ng

RT: 6.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

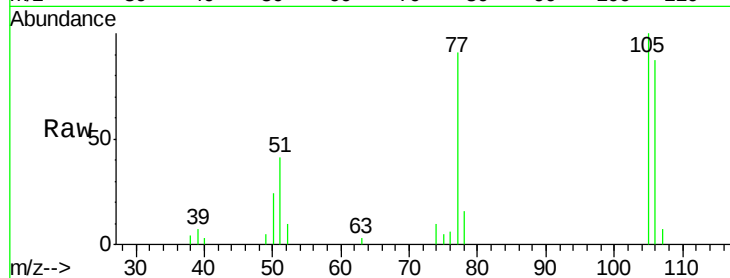
Tgt Ion: 77 Resp: 9888

Ion Ratio Lower Upper

77 100

105 109.4 78.8 118.8

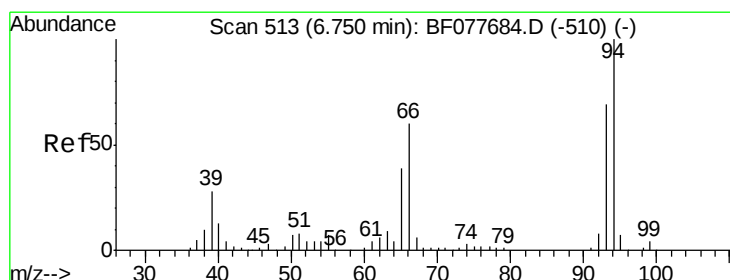
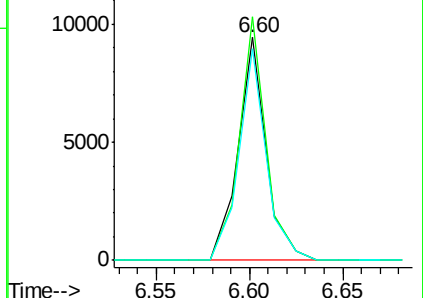
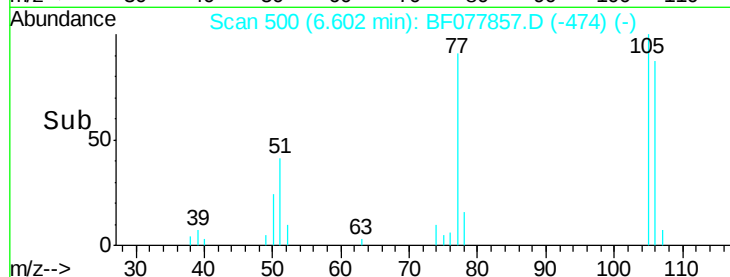
106 94.9 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 48.75 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

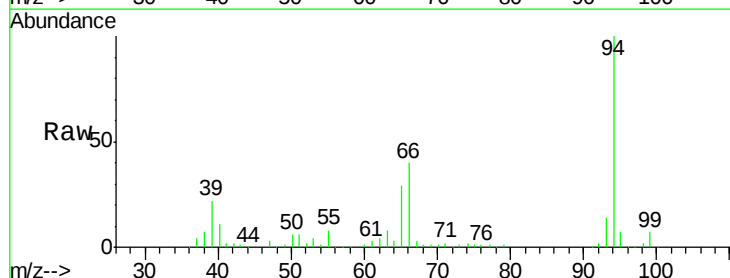
Tgt Ion: 94 Resp: 178603

Ion Ratio Lower Upper

94 100

65 29.3 18.8 58.8

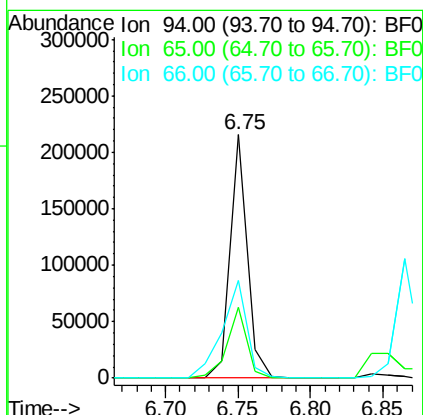
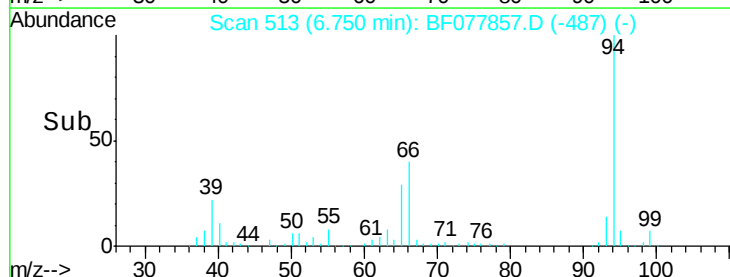
66 40.1 39.9 79.9

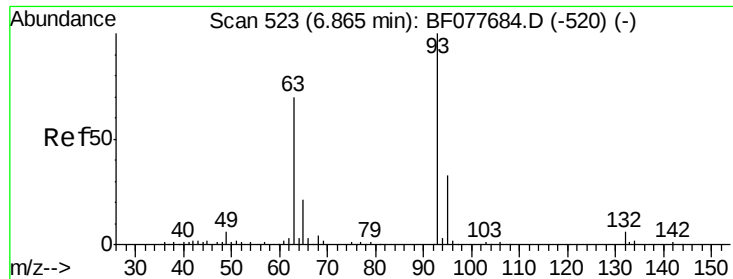


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

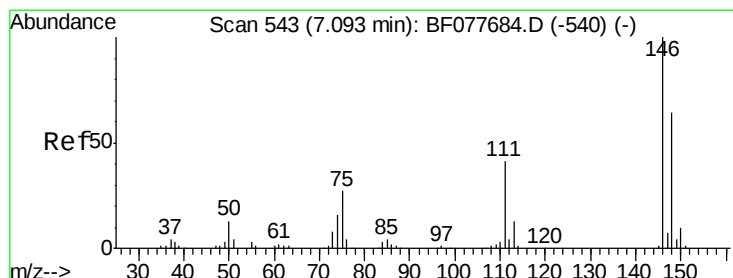
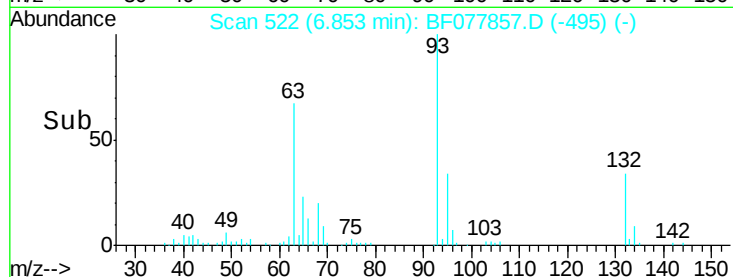
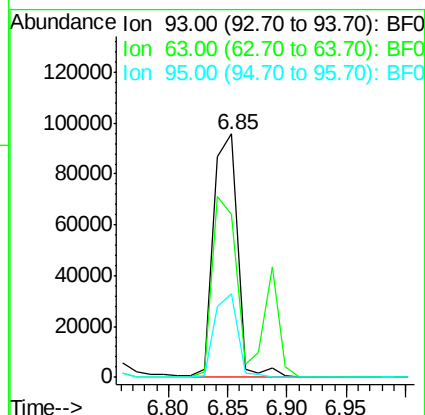
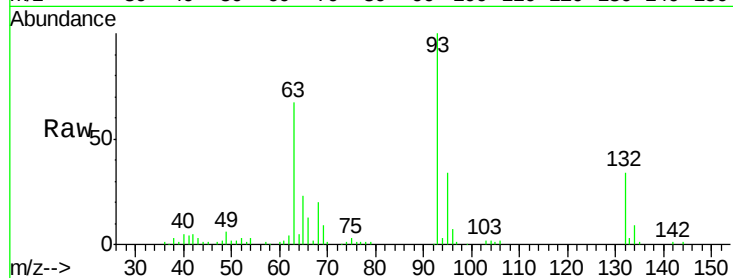




#11  
bis(2-Chloroethyl)ether  
Concen: 48.85 ng  
RT: 6.85 min Scan# 522  
Delta R.T. 0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

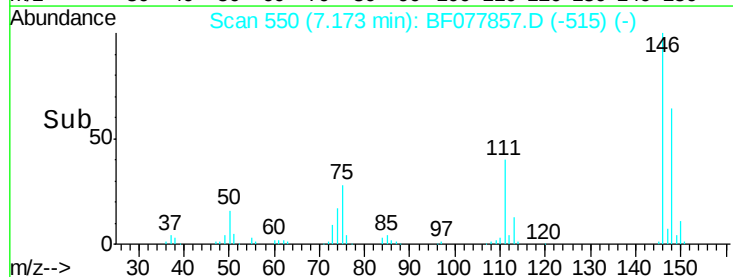
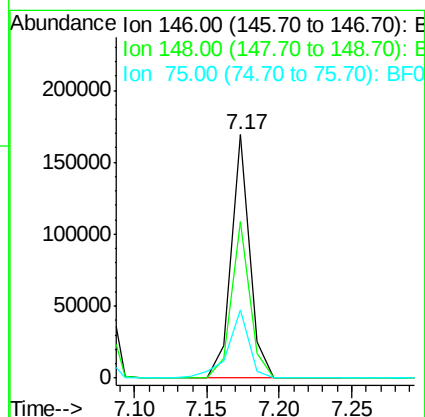
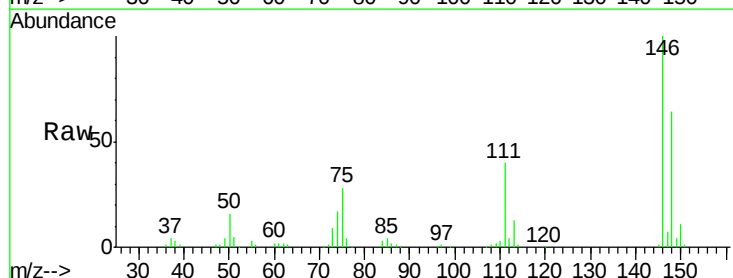
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

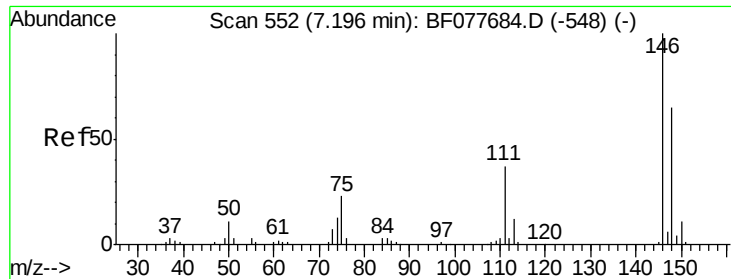
Tgt Ion: 93 Resp: 134056  
Ion Ratio Lower Upper  
93 100  
63 67.1 49.5 89.5  
95 34.1 13.5 53.5



#12  
1,3-Dichlorobenzene  
Concen: 45.21 ng  
RT: 7.17 min Scan# 550  
Delta R.T. 0.10 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion: 146 Resp: 150133  
Ion Ratio Lower Upper  
146 100  
148 64.3 50.9 76.3  
75 28.1 21.4 32.2

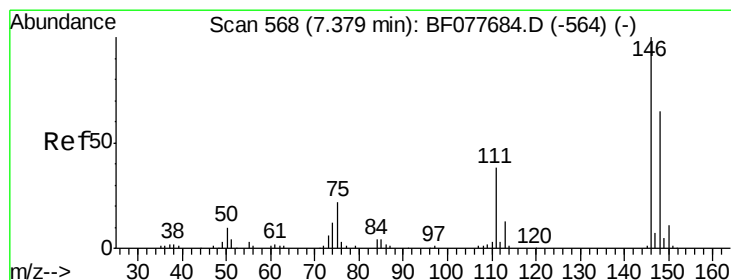
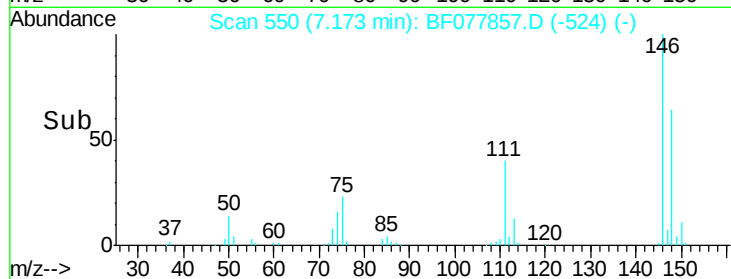
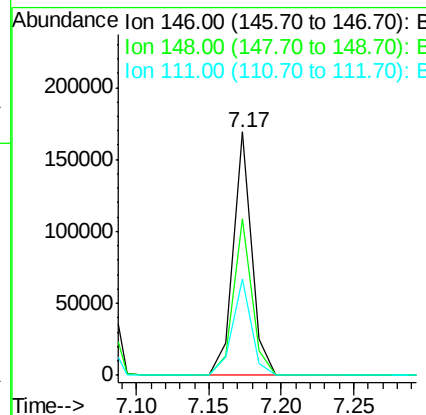
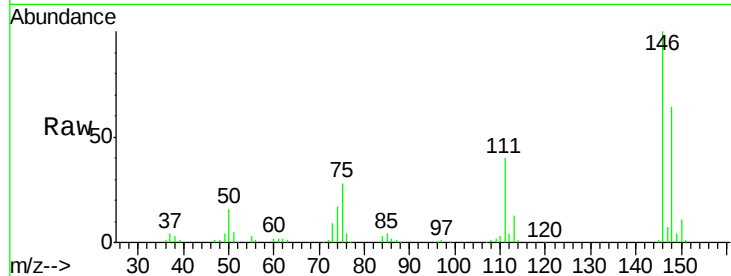




#13  
 1,4-Dichlorobenzene  
 Concen: 43.51 ng  
 RT: 7.17 min Scan# 550  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

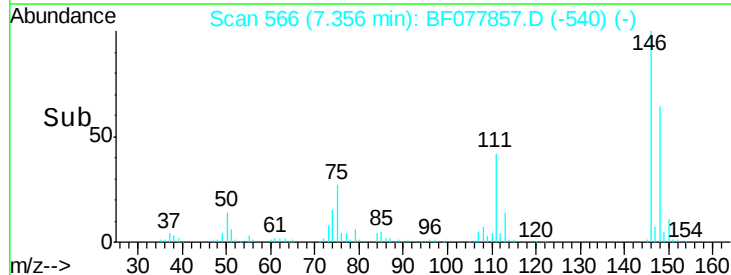
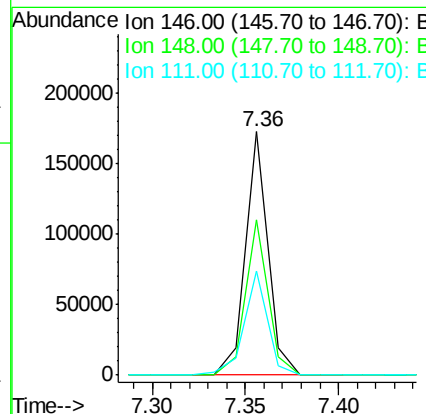
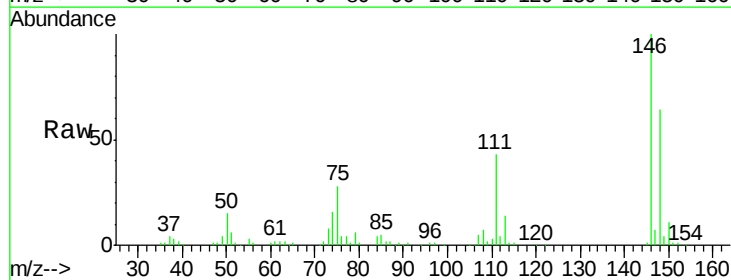
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

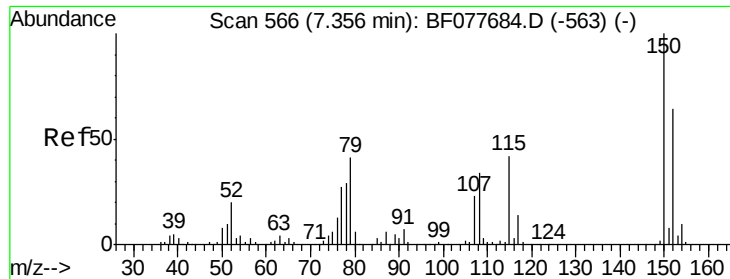
Tgt Ion:146 Resp: 150133  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 51.9 77.9  
 111 39.8 29.2 43.8



#14  
 1,2-Dichlorobenzene  
 Concen: 45.96 ng  
 RT: 7.36 min Scan# 566  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:146 Resp: 145391  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 52.3 78.5  
 111 42.6 30.6 45.8





#15

Benzyl Alcohol

Concen: 48.69 ng

RT: 7.34 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

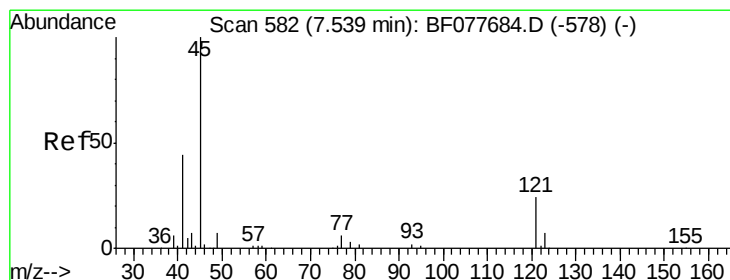
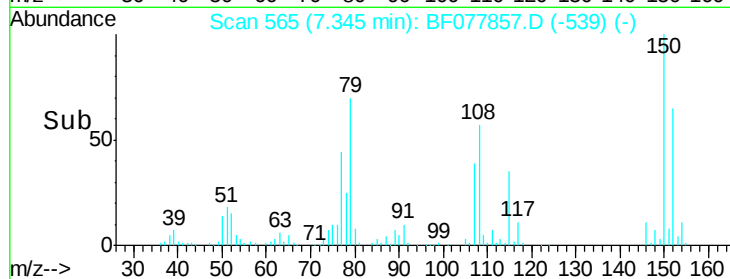
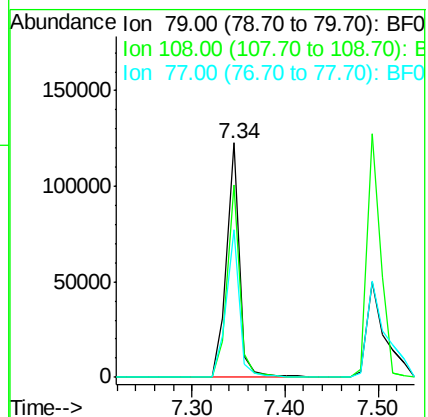
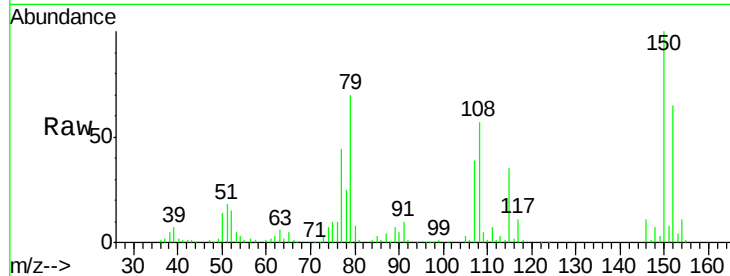
Tgt Ion: 79 Resp: 117803

Ion Ratio Lower Upper

79 100

108 82.0 65.0 97.4

77 63.0 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.83 ng

RT: 7.52 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

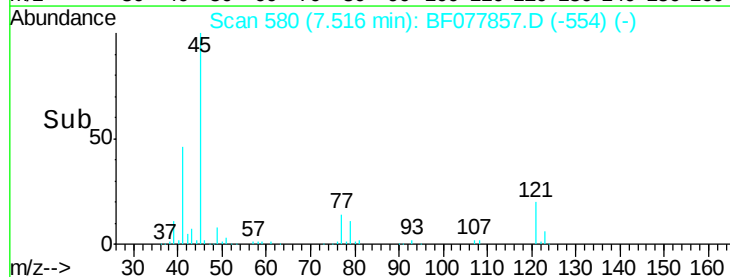
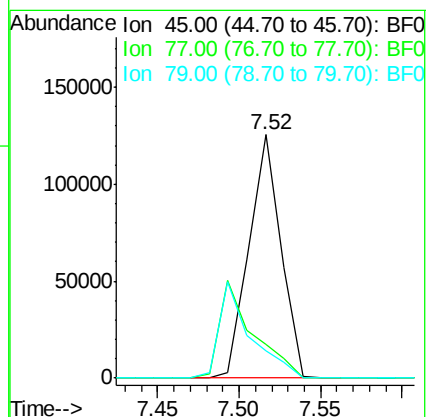
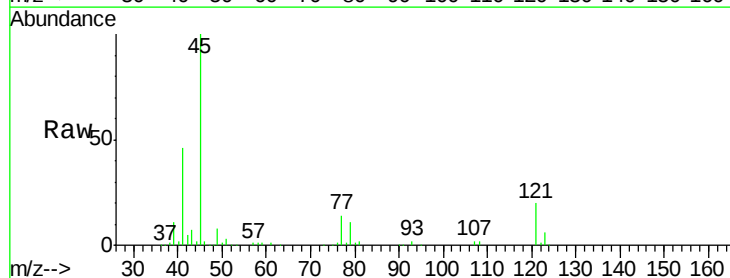
Tgt Ion: 45 Resp: 169489

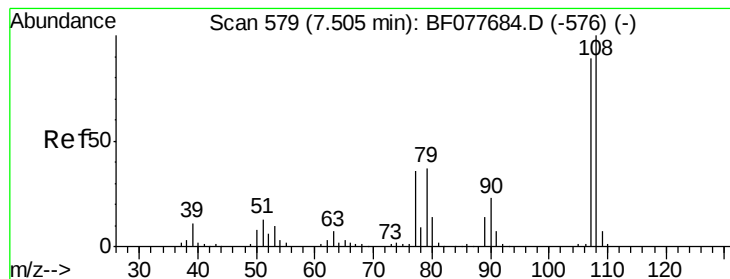
Ion Ratio Lower Upper

45 100

77 13.7 0.0 35.2

79 11.3 0.0 32.0

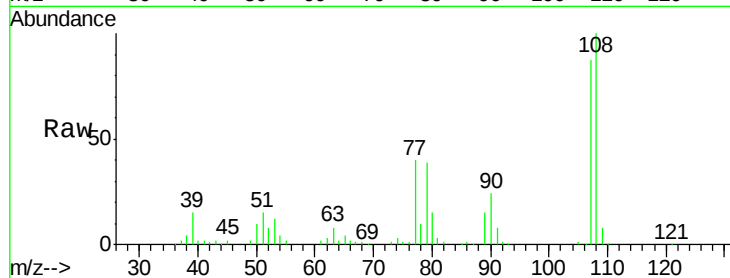




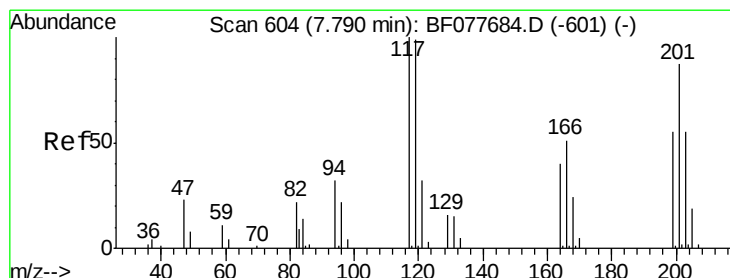
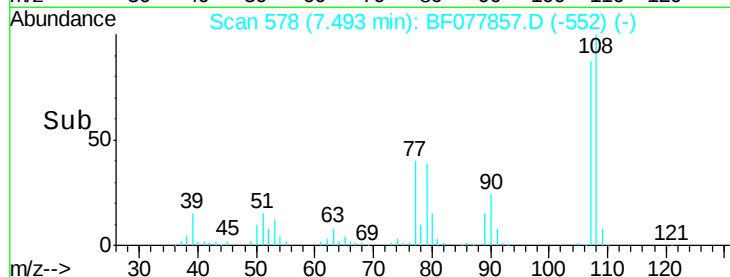
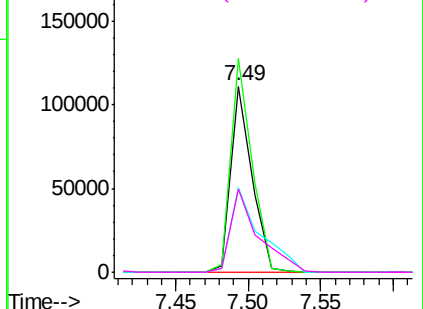
#17  
2-Methylphenol  
Concen: 46.27 ng  
RT: 7.49 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

Tgt Ion:107 Resp: 112476  
Ion Ratio Lower Upper  
107 100  
108 115.0 89.8 134.8  
77 45.8 32.6 48.8  
79 44.8 32.8 49.2

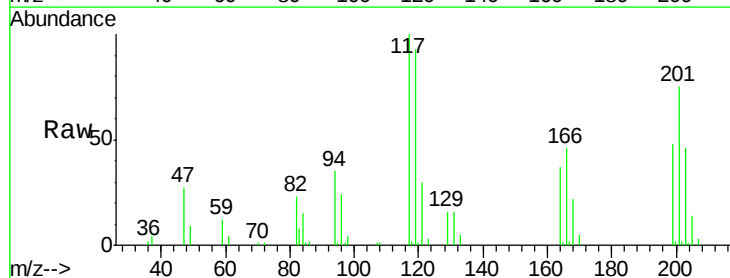


Abundance Ion 107.00 (106.70 to 107.70): E  
200000  
Ion 108.00 (107.70 to 108.70): E  
150000  
Ion 77.00 (76.70 to 77.70): BF0  
100000  
Ion 79.00 (78.70 to 79.70): BF0  
50000  
0

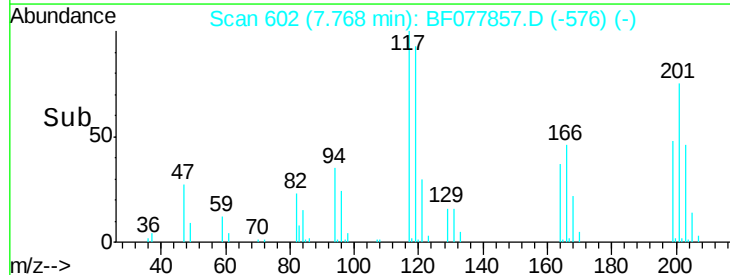
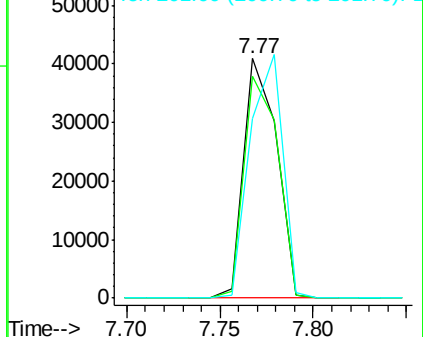


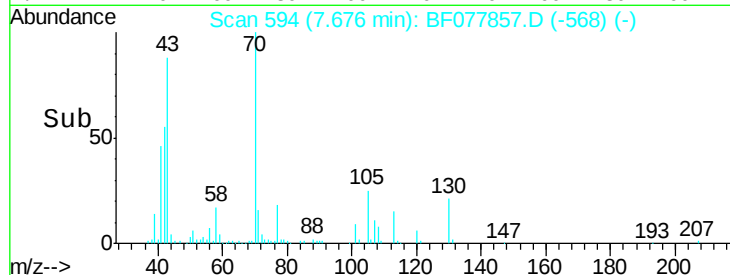
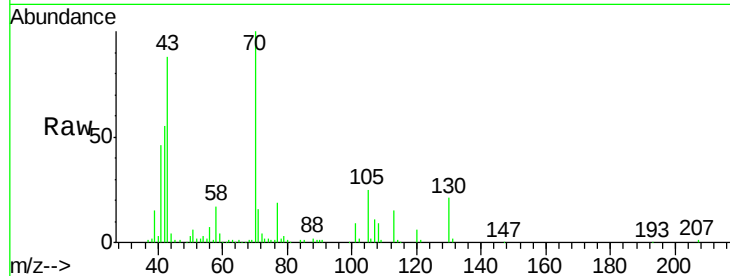
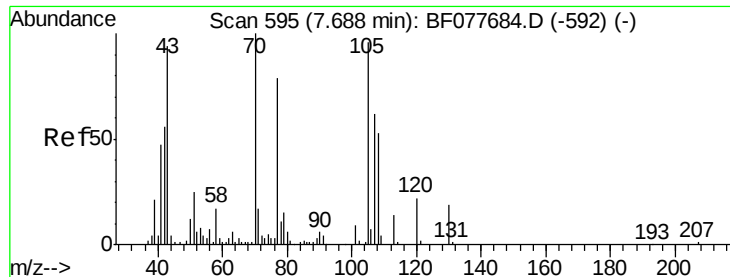
#18  
Hexachloroethane  
Concen: 44.30 ng  
RT: 7.77 min Scan# 602  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:117 Resp: 50133  
Ion Ratio Lower Upper  
117 100  
119 92.5 79.2 118.8  
201 75.3 69.8 104.6



Abundance Ion 117.00 (116.70 to 117.70): E  
50000  
Ion 119.00 (118.70 to 119.70): E  
40000  
Ion 201.00 (200.70 to 201.70): E  
30000  
20000  
10000  
0

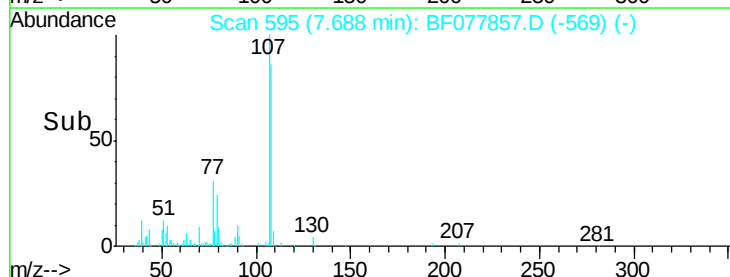
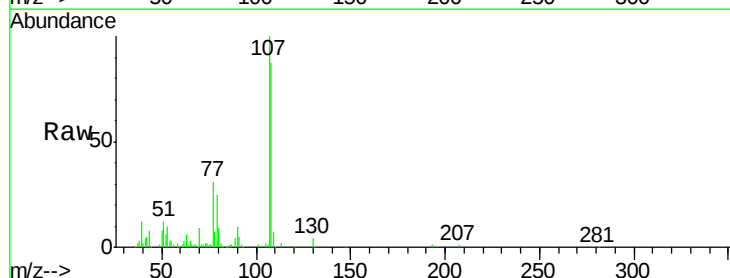
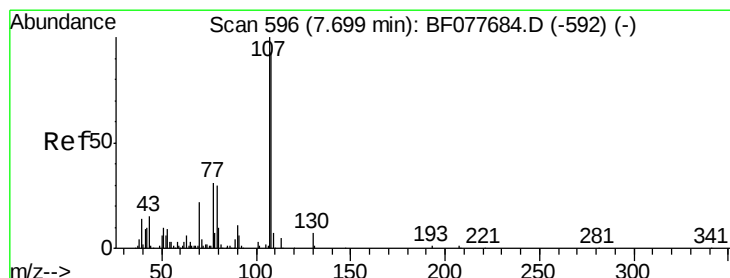
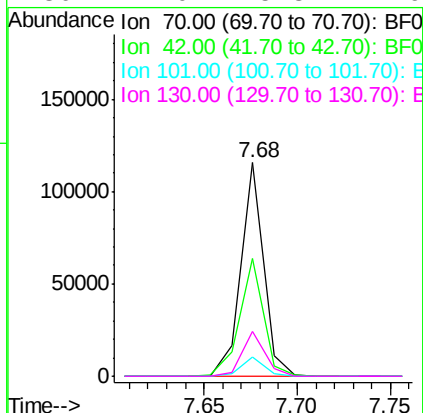




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.86 ng  
RT: 7.68 min Scan# 594  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

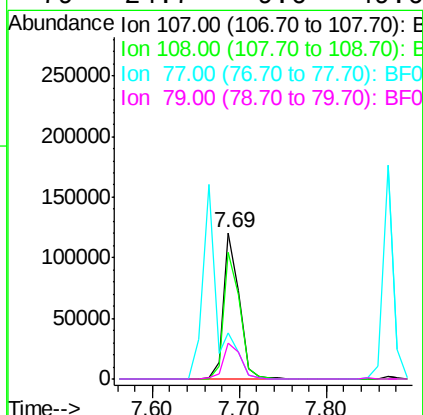
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

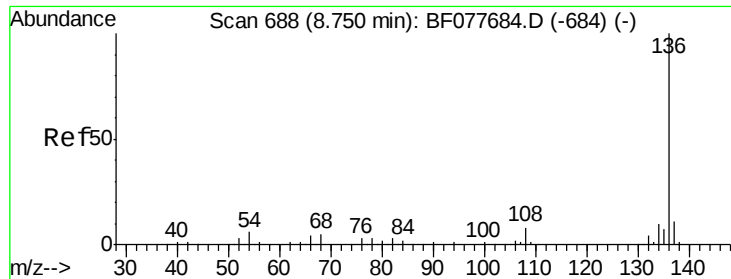
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 98317 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 54.9  | 44.5  | 66.7  |
| 101      | 9.2   | 7.4   | 11.2  |
| 130      | 21.0  | 15.3  | 22.9  |



#20  
3+4-Methylphenols  
Concen: 47.63 ng  
RT: 7.69 min Scan# 595  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 151934 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.5  | 73.2  | 113.2  |
| 77       | 31.2  | 10.7  | 50.7   |
| 79       | 24.7  | 9.6   | 49.6   |

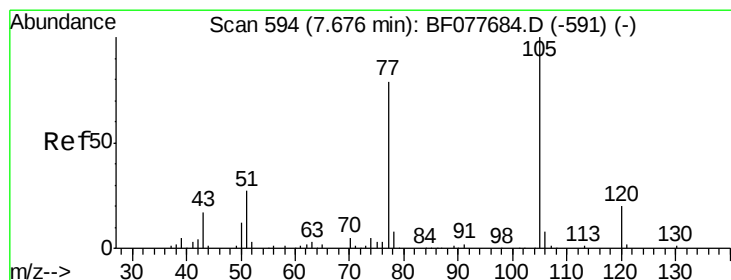
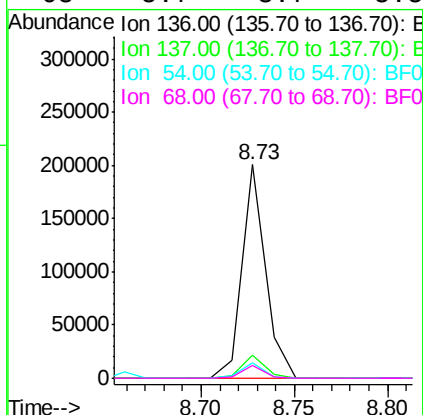
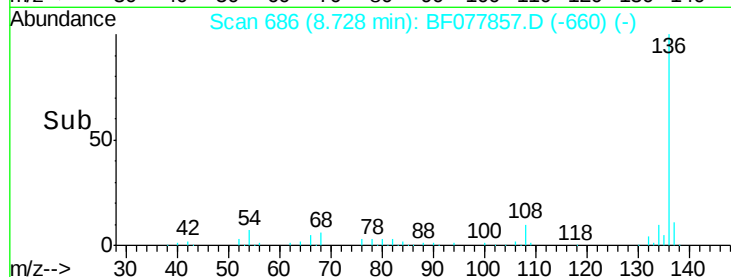
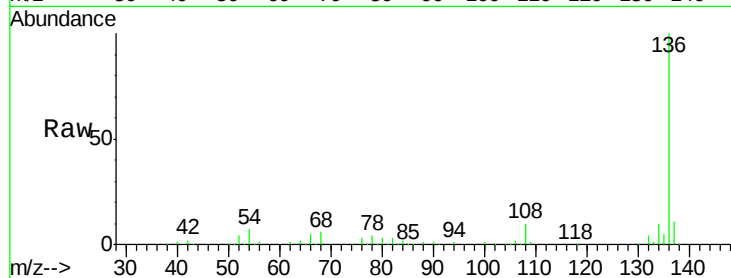




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.73 min Scan# 686  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

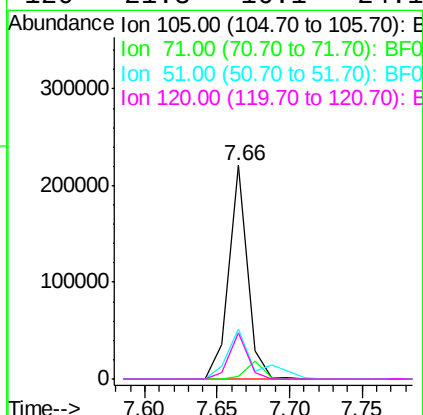
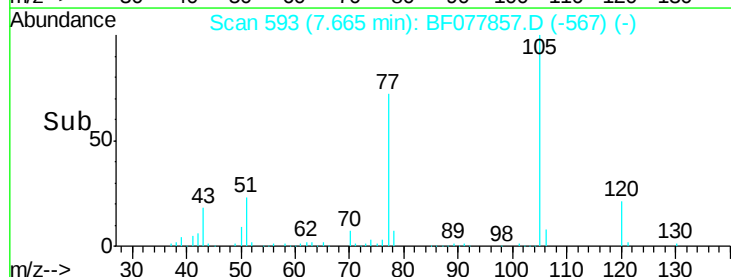
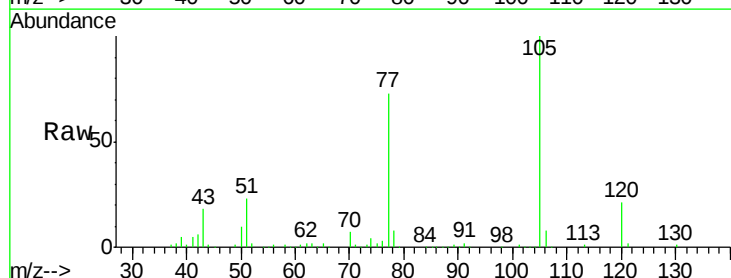
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

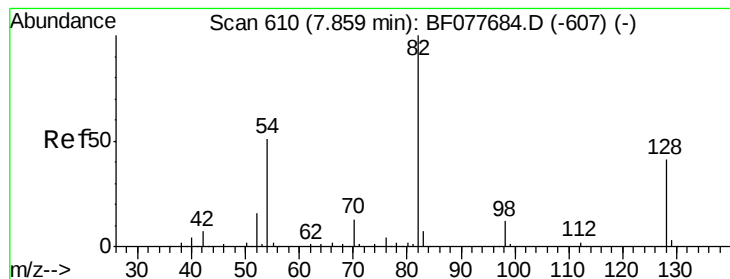
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 176413 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.7   | 13.1   |
| 54       | 7.5   | 4.6   | 6.8#   |
| 68       | 5.7   | 3.7   | 5.5#   |



#22  
Acetophenone  
Concen: 50.84 ng  
RT: 7.66 min Scan# 593  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 198530 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 1.3   | 0.6   | 1.0#   |
| 51       | 23.3  | 21.6  | 32.4   |
| 120      | 21.3  | 16.1  | 24.1   |





#23

Nitrobenzene-d5

Concen: 103.78 ng

RT: 7.85 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

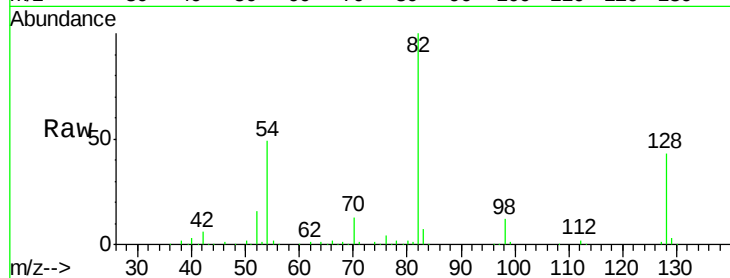
Tgt Ion: 82 Resp: 279296

Ion Ratio Lower Upper

82 100

128 43.5 32.8 49.2

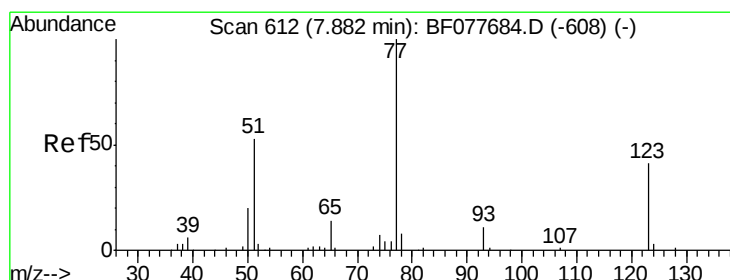
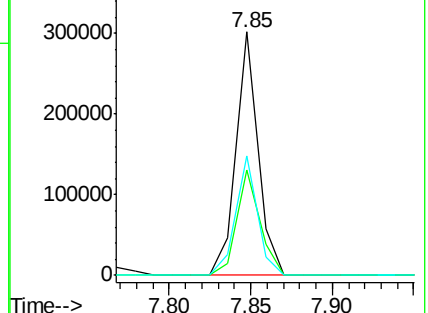
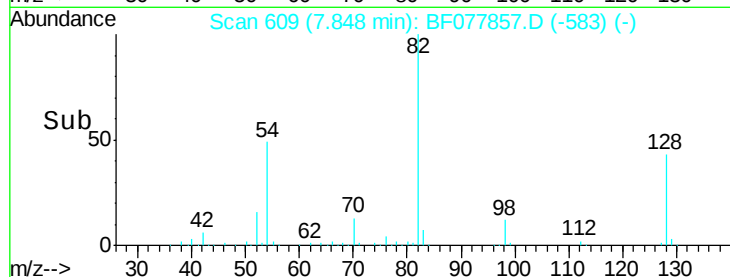
54 48.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 50.44 ng

RT: 7.87 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

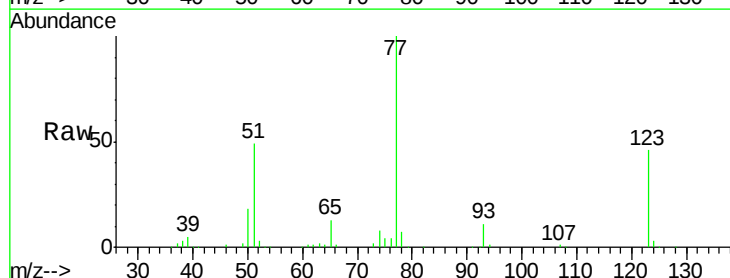
Tgt Ion: 77 Resp: 146250

Ion Ratio Lower Upper

77 100

123 45.5 32.6 49.0

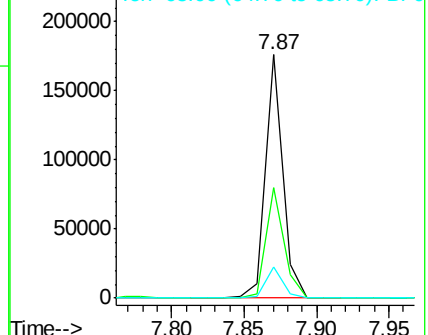
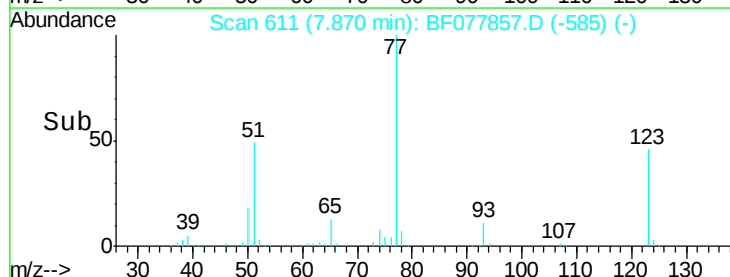
65 13.0 10.9 16.3

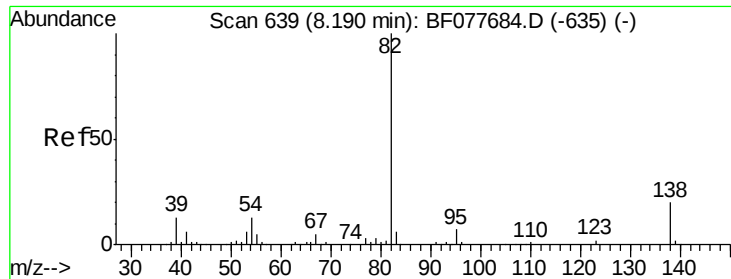


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.22 ng

RT: 8.17 min Scan# 637

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

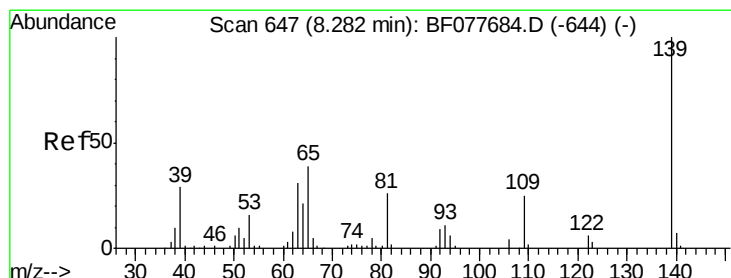
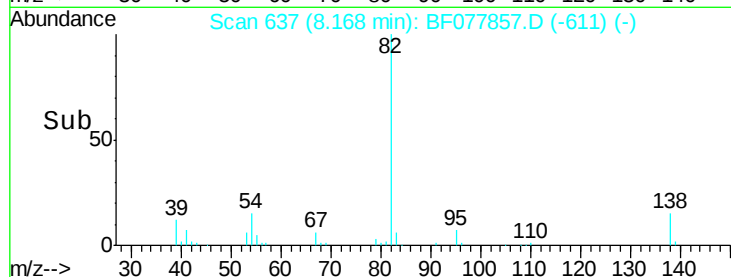
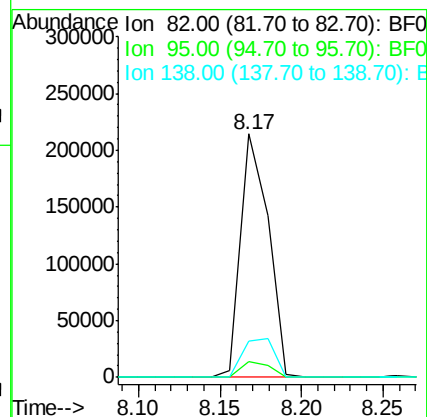
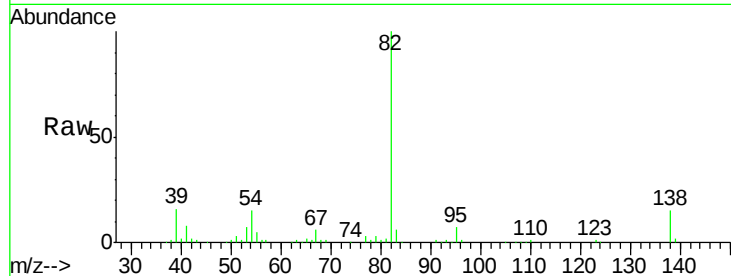
Tgt Ion: 82 Resp: 251220

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

138 15.1 16.3 24.5#



#26

2-Nitrophenol

Concen: 49.80 ng

RT: 8.27 min Scan# 646

Delta R.T. 0.01 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

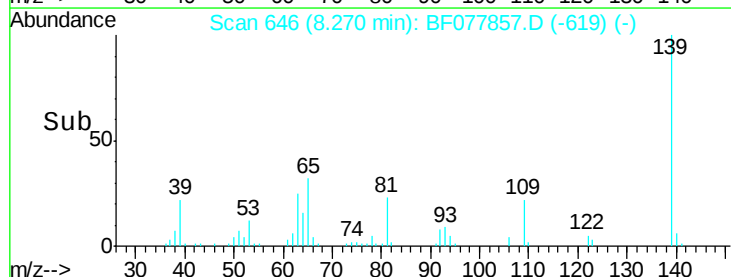
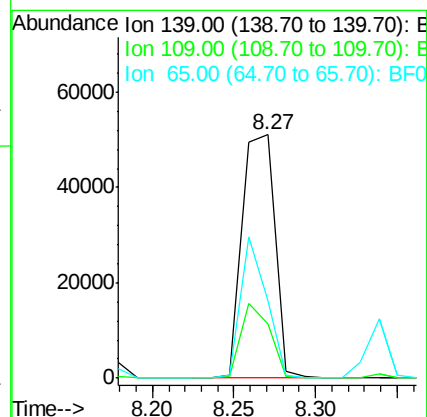
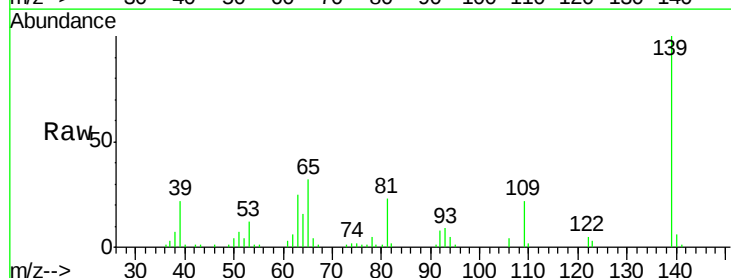
Tgt Ion: 139 Resp: 70693

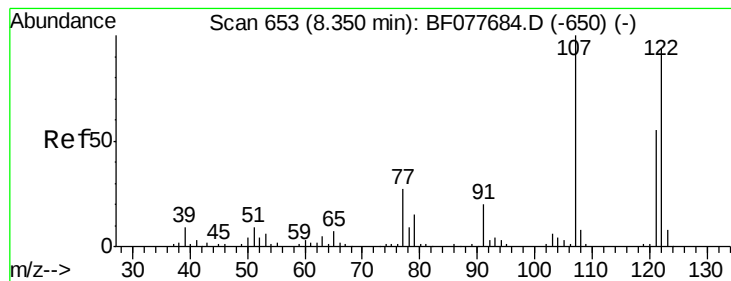
Ion Ratio Lower Upper

139 100

109 22.4 20.1 30.1

65 31.7 31.5 47.3





#27

2,4-Dimethylphenol

Concen: 50.13 ng

RT: 8.34 min Scan# 652

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

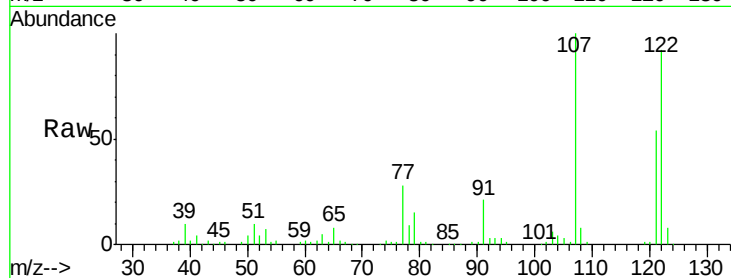
Tgt Ion:122 Resp: 129623

Ion Ratio Lower Upper

122 100

107 108.9 84.7 127.1

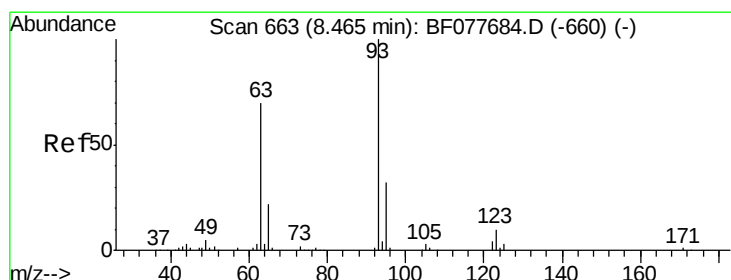
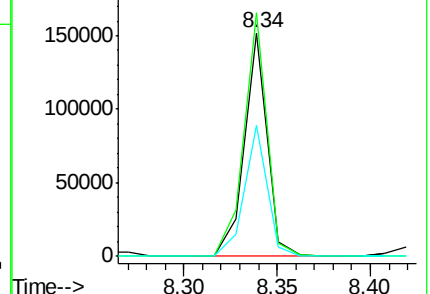
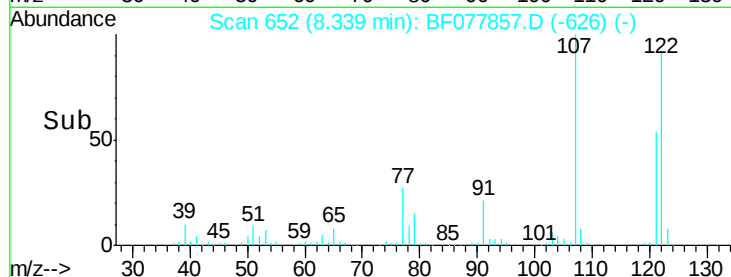
121 58.6 46.6 69.8



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: 50.18 ng

RT: 8.45 min Scan# 662

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

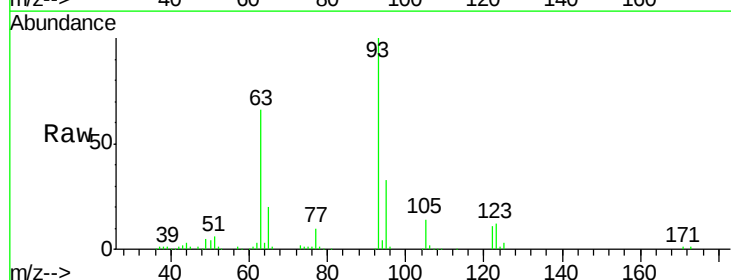
Tgt Ion: 93 Resp: 165550

Ion Ratio Lower Upper

93 100

95 32.8 25.5 38.3

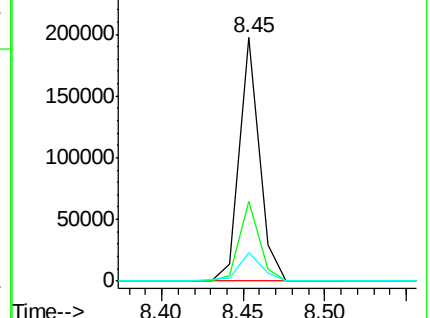
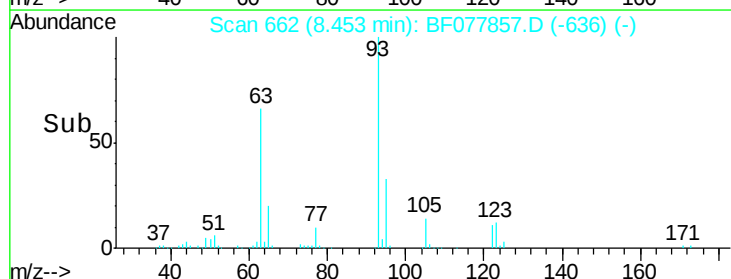
123 11.9 8.6 13.0

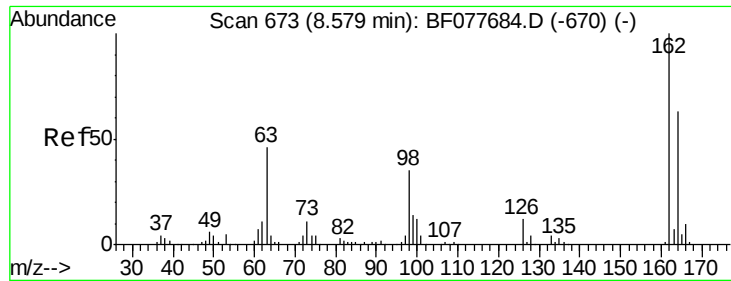


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

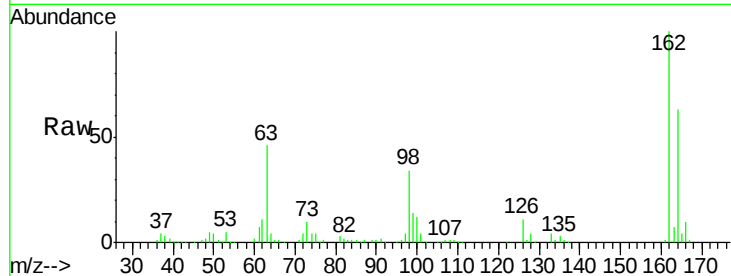




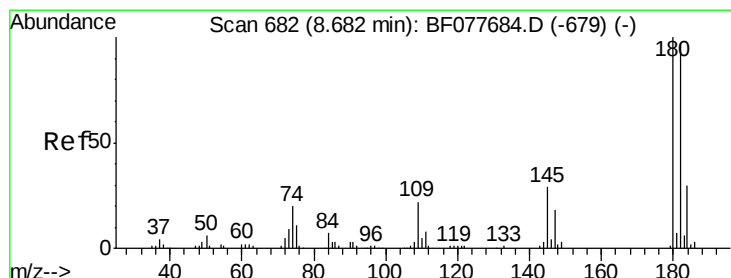
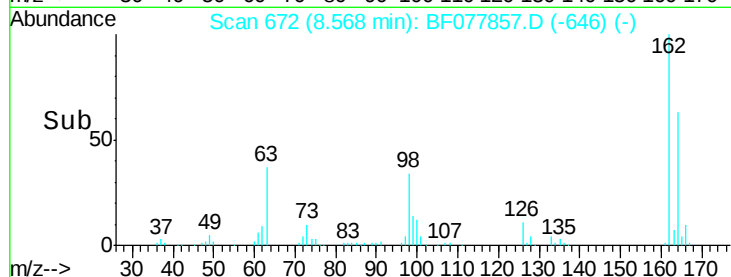
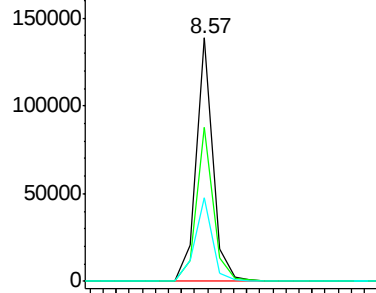
#29  
 2,4-Dichlorophenol  
 Concen: 50.76 ng  
 RT: 8.57 min Scan# 672  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 42.8  | 82.8  |
| 98      | 34.4  | 14.5  | 54.5  |

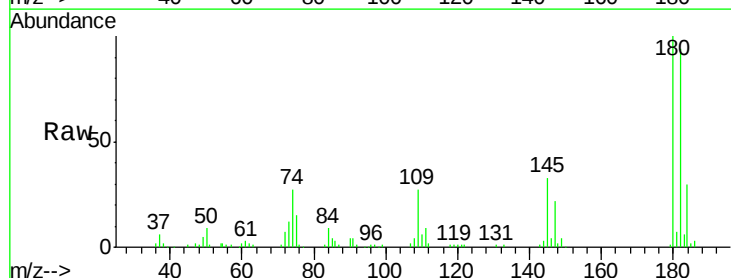


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

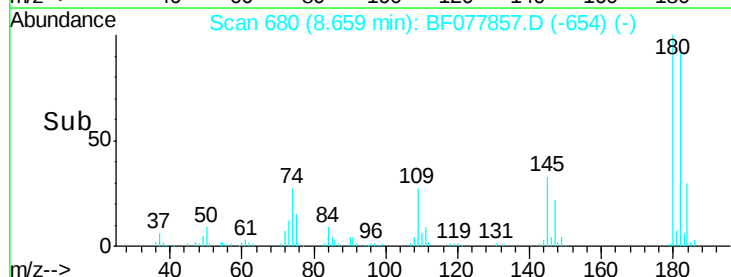
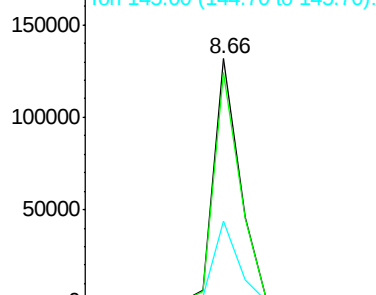


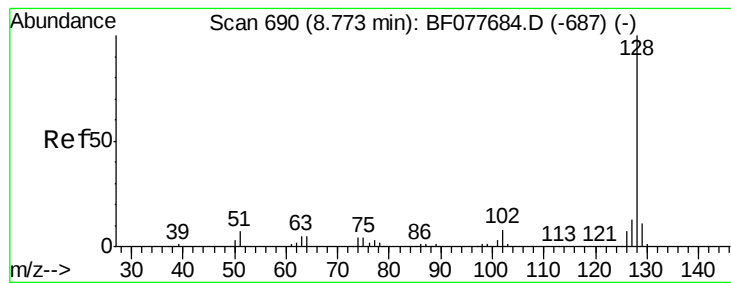
#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.89 ng  
 RT: 8.66 min Scan# 680  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 77.6  | 116.4 |
| 145     | 33.2  | 23.4  | 35.2  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.20 ng

RT: 8.75 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

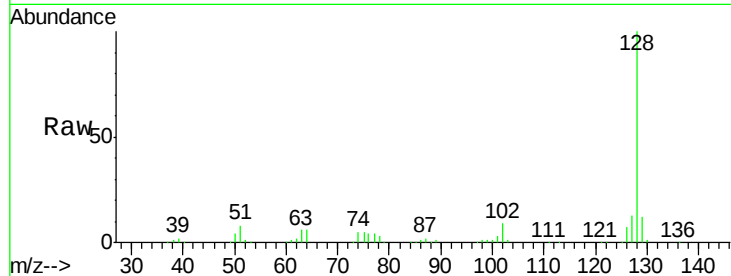
Tgt Ion:128 Resp: 409559

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

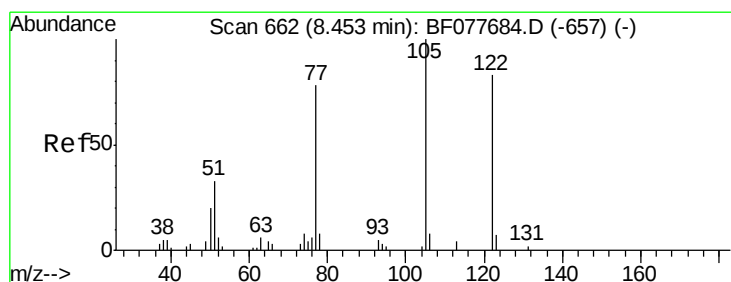
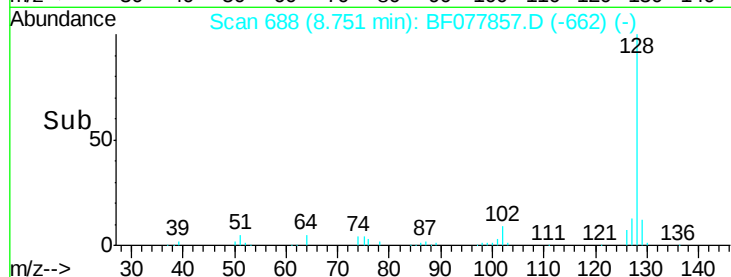
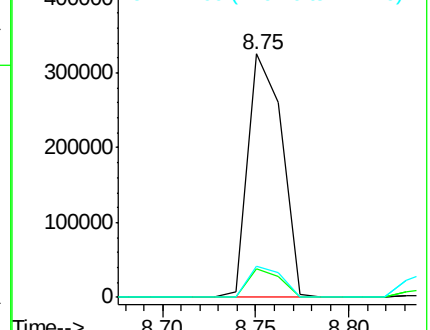
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 51.72 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

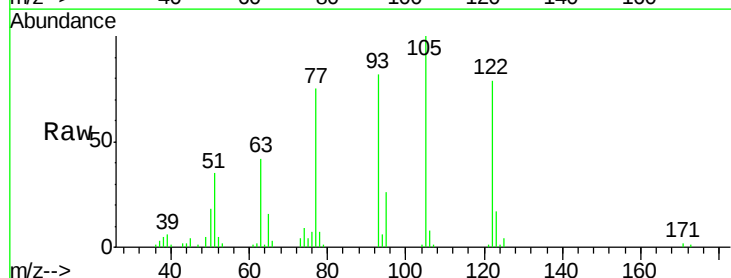
Tgt Ion:122 Resp: 74970

Ion Ratio Lower Upper

122 100

105 125.9 99.9 139.9

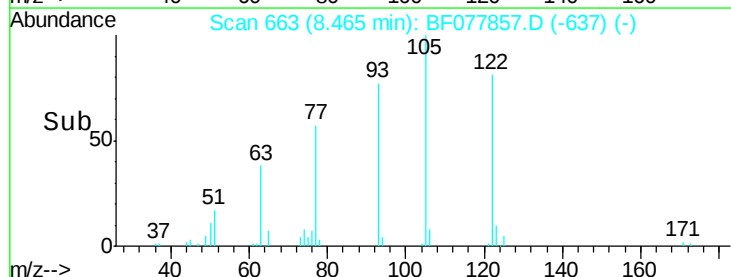
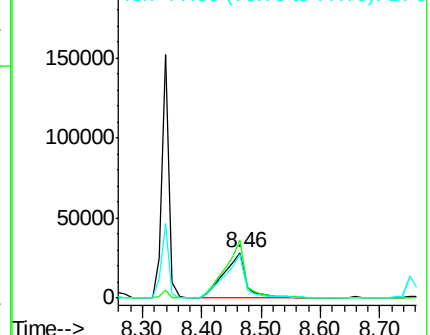
77 94.7 73.7 113.7

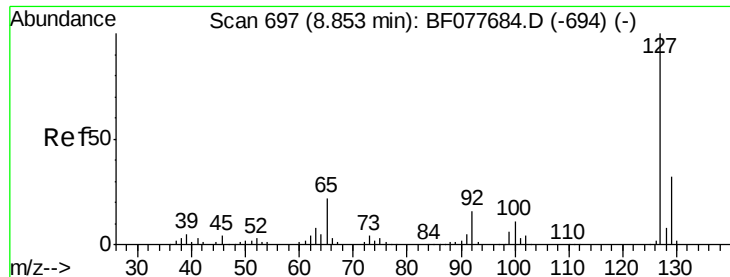


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

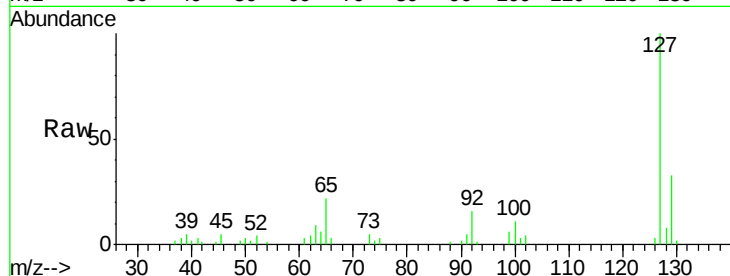




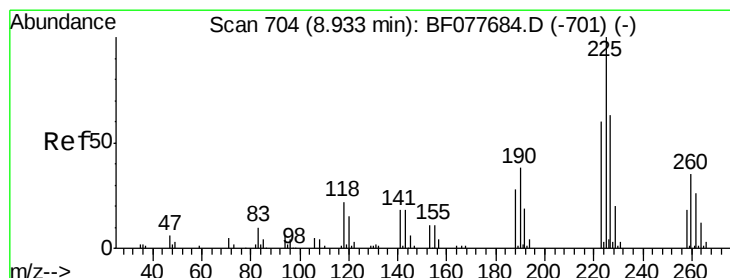
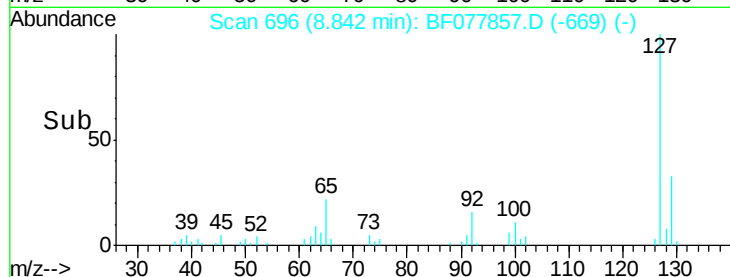
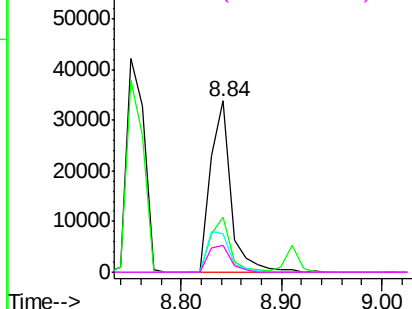
#33  
4-Chloroaniline  
Concen: 12.92 ng  
RT: 8.84 min Scan# 696  
Delta R.T. 0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 47498 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.5  | 25.3  | 37.9  |
| 65       | 22.2  | 17.6  | 26.4  |
| 92       | 15.7  | 13.1  | 19.7  |

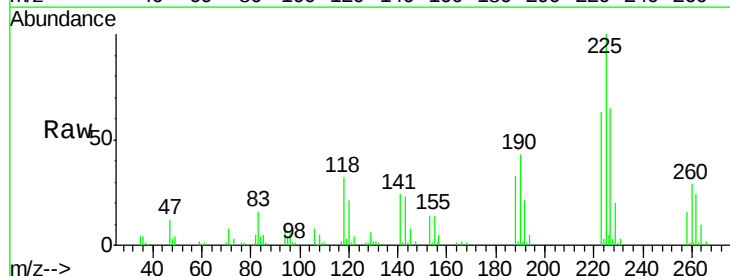


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

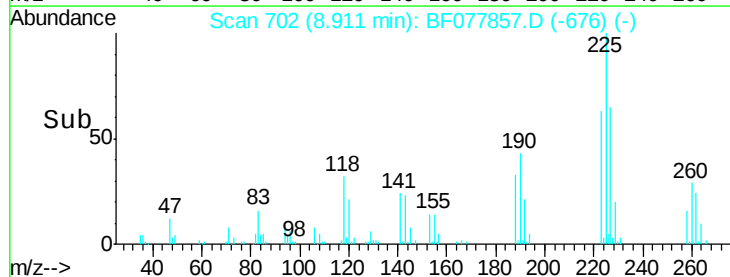
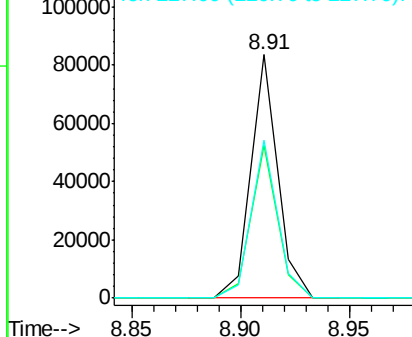


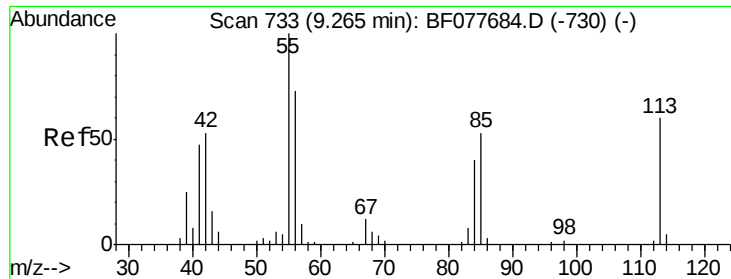
#34  
Hexachlorobutadiene  
Concen: 45.74 ng  
RT: 8.91 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 71499 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.5  | 47.9  | 71.9  |
| 227      | 64.8  | 50.1  | 75.1  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

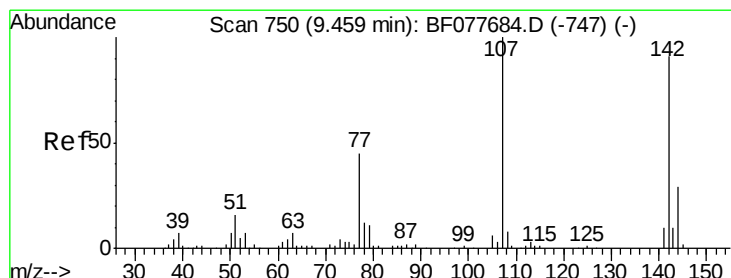
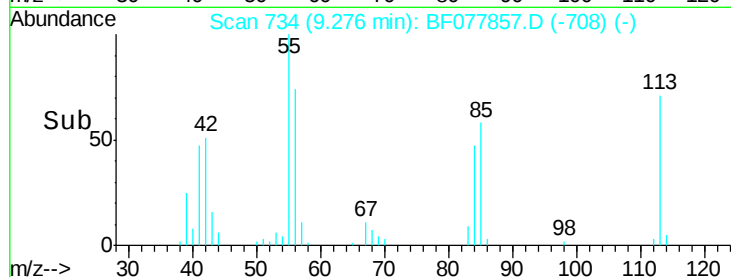
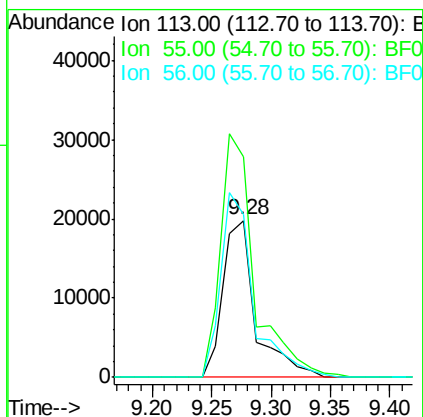
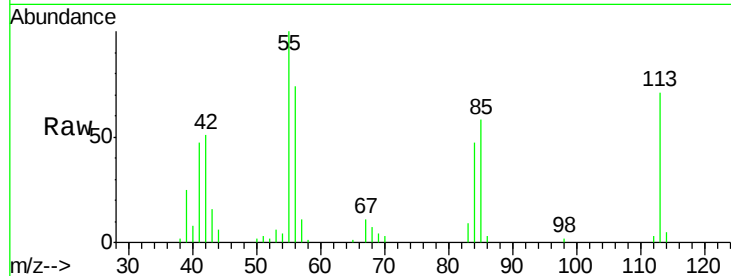




#35  
 Caprolactam  
 Concen: 52.44 ng  
 RT: 9.28 min Scan# 734  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

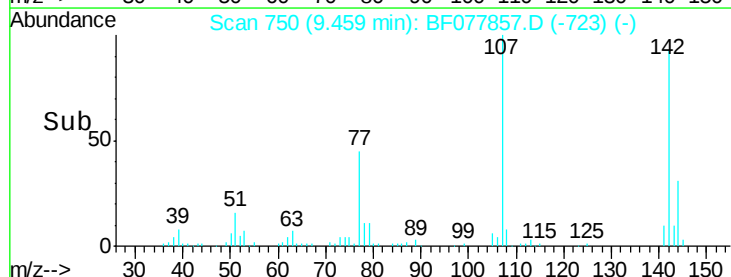
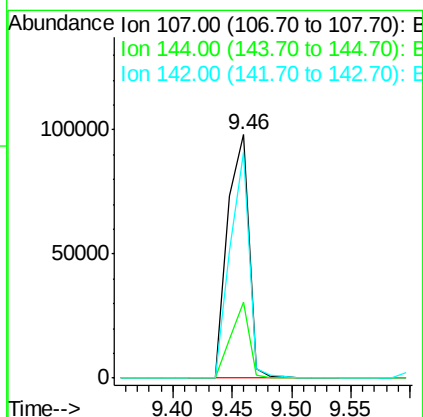
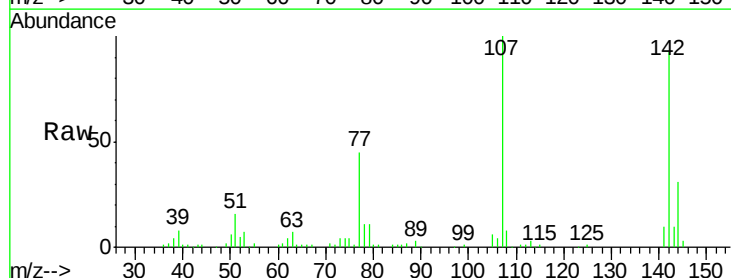
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

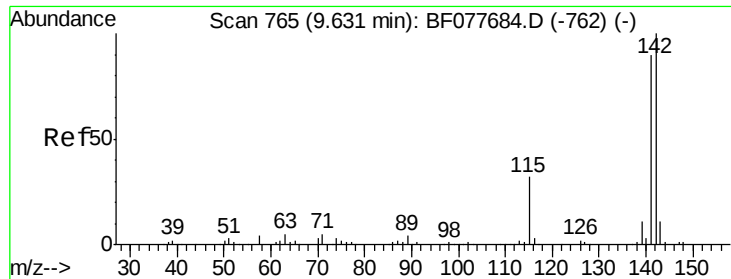
Tgt Ion:113 Resp: 37775  
 Ion Ratio Lower Upper  
 113 100  
 55 140.0 145.9 185.9#  
 56 103.8 101.0 141.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 49.15 ng  
 RT: 9.46 min Scan# 750  
 Delta R.T. 0.01 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:107 Resp: 121888  
 Ion Ratio Lower Upper  
 107 100  
 144 31.0 23.3 34.9  
 142 92.7 72.6 109.0

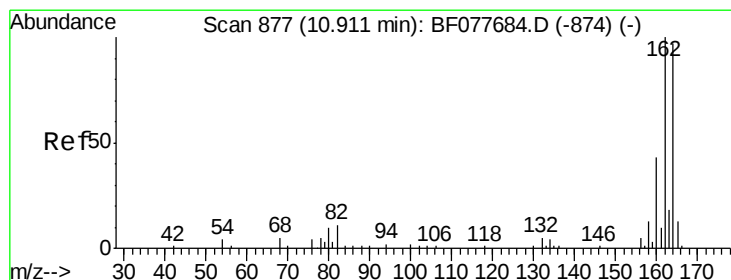
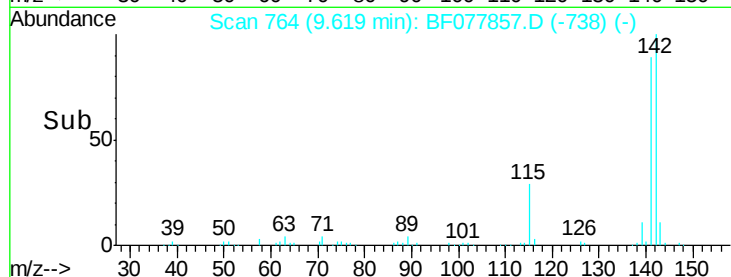
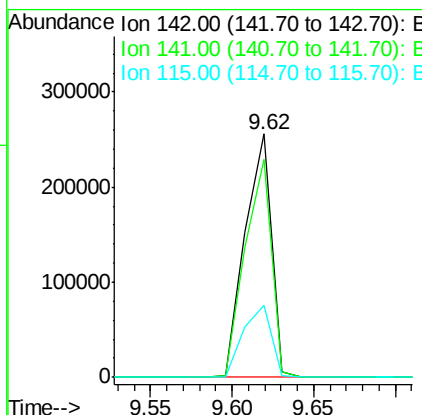
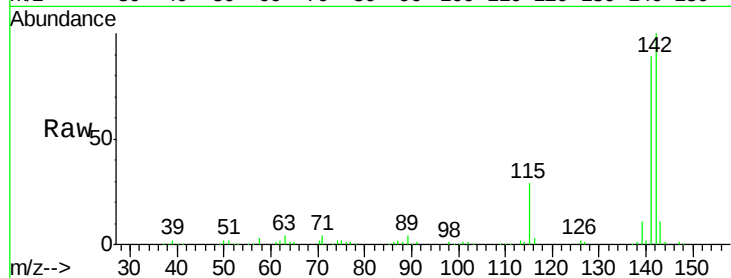




#37  
 2-Methylnaphthalene  
 Concen: 47.02 ng  
 RT: 9.62 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

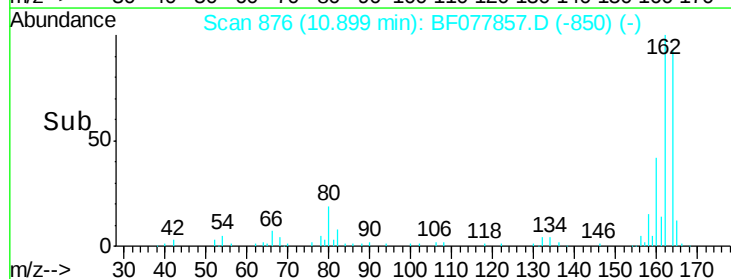
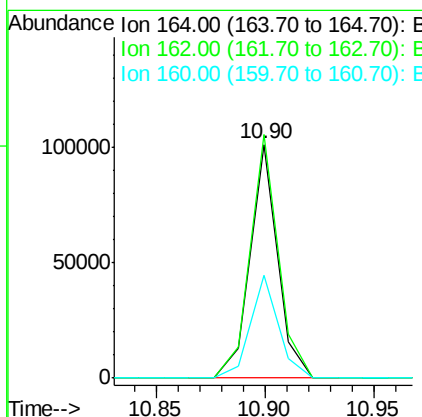
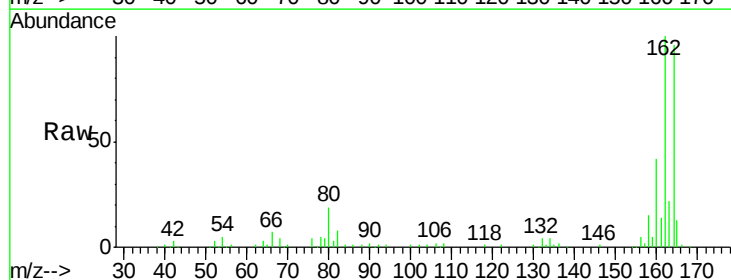
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

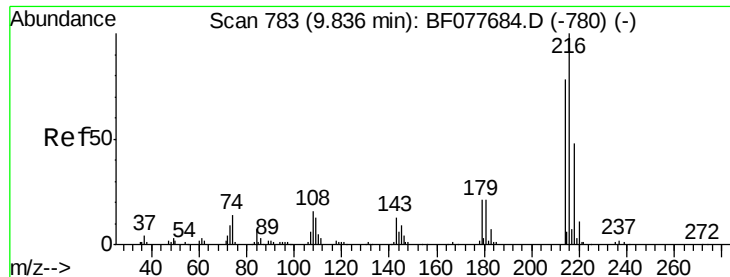
Tgt Ion:142 Resp: 286177  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 71.9 107.9  
 115 29.5 25.4 38.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.90 min Scan# 876  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:164 Resp: 89202  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 82.4 123.6  
 160 44.1 35.8 53.6

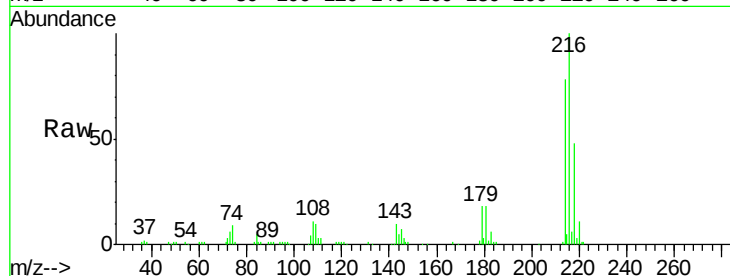




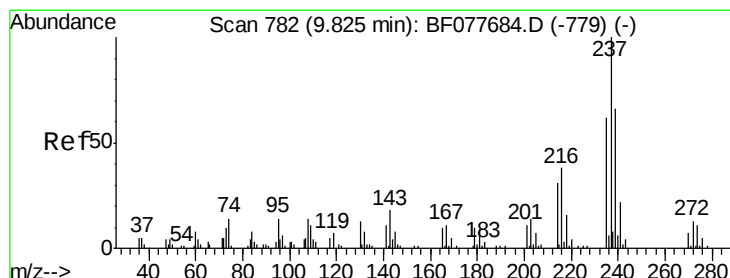
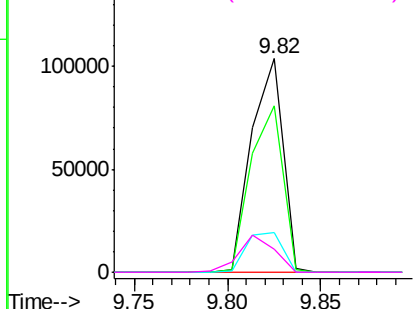
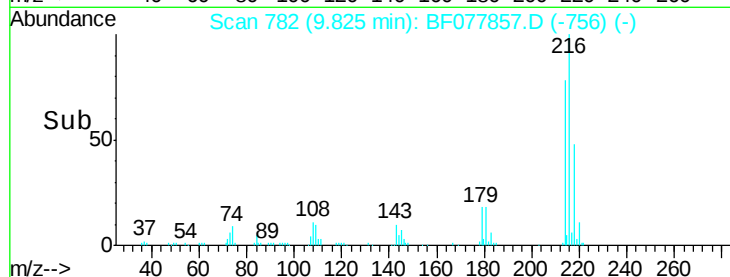
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 45.74 ng  
 RT: 9.82 min Scan# 782  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 121699 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.4  | 0.0   | 0.0#   |
| 179      | 21.2  | 0.0   | 0.0#   |
| 108      | 19.7  | 0.0   | 0.0#   |

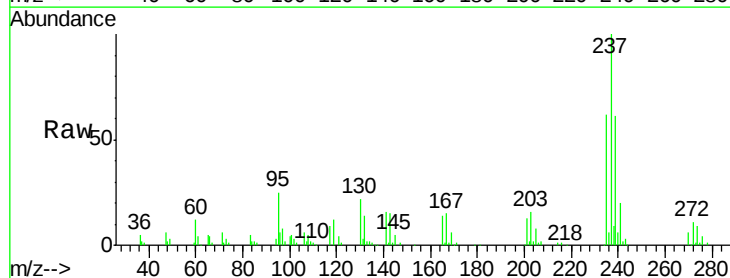


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

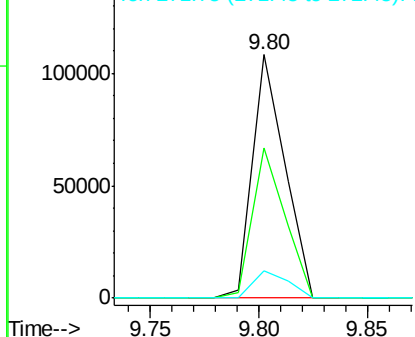
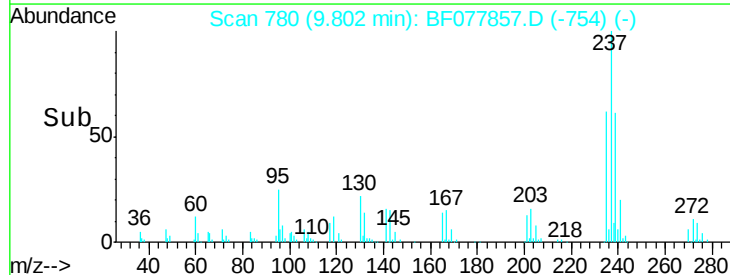


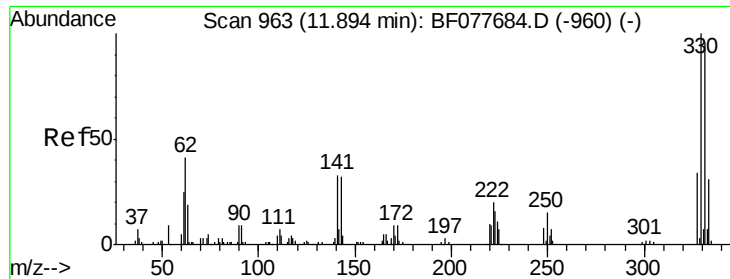
#40  
 Hexachlorocyclopentadiene  
 Concen: 84.34 ng  
 RT: 9.80 min Scan# 780  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 112565 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 61.8  | 42.0  | 82.0   |
| 272      | 11.1  | 0.0   | 33.4   |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

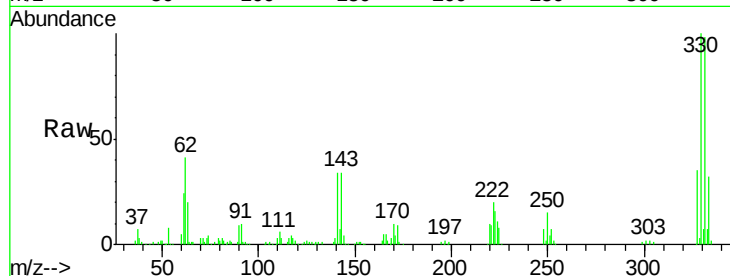




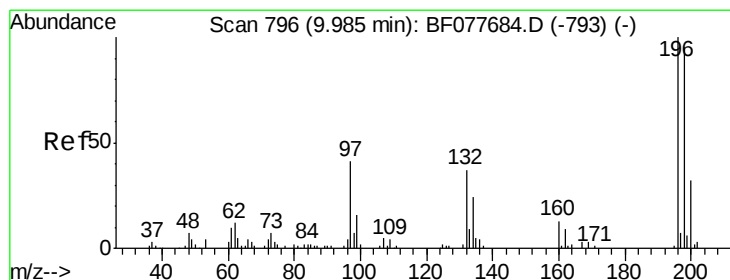
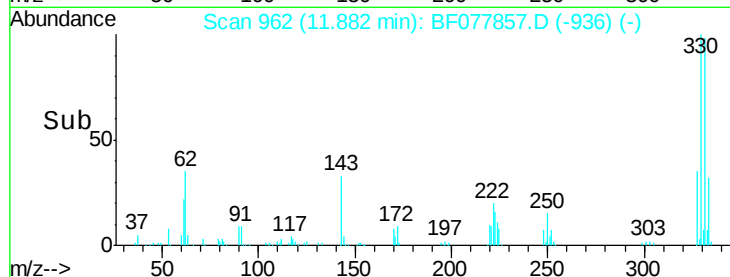
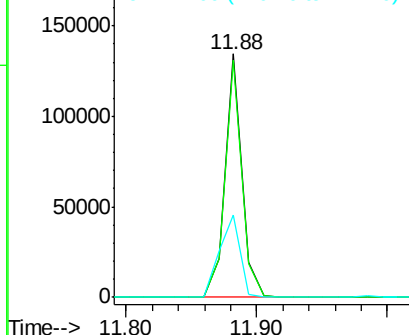
#41  
 2,4,6-Tribromophenol  
 Concen: 142.95 ng  
 RT: 11.88 min Scan# 962  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 0.0   | 0.0#  |
| 141     | 41.4  | 0.0   | 0.0#  |

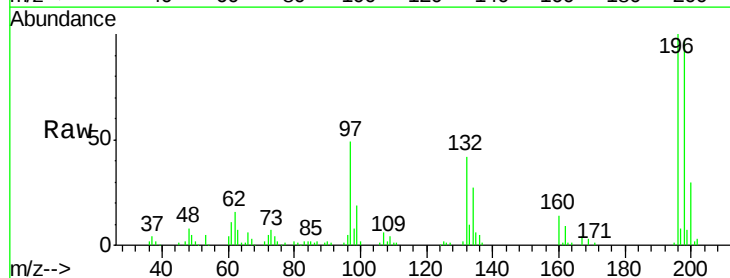


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

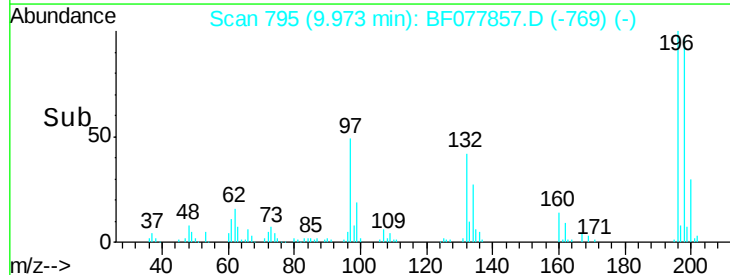
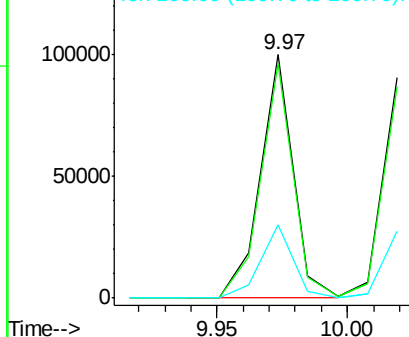


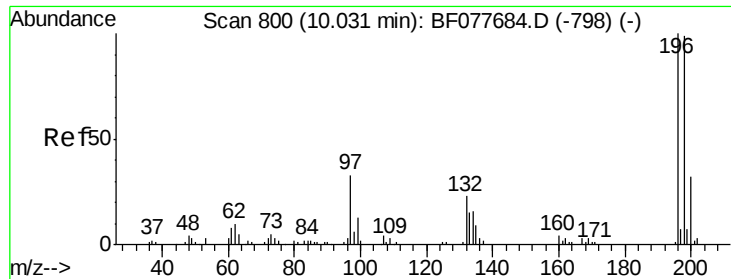
#42  
 2,4,6-Trichlorophenol  
 Concen: 47.69 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.5  | 76.3  | 114.5 |
| 200     | 30.2  | 25.6  | 38.4  |



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

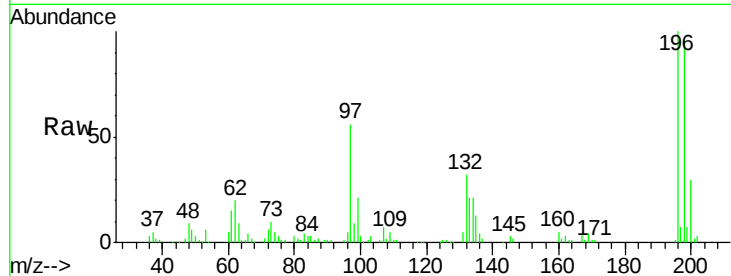




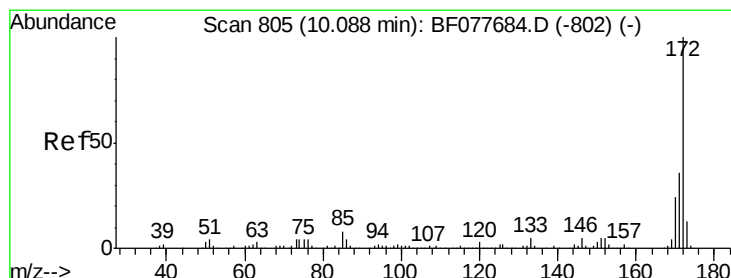
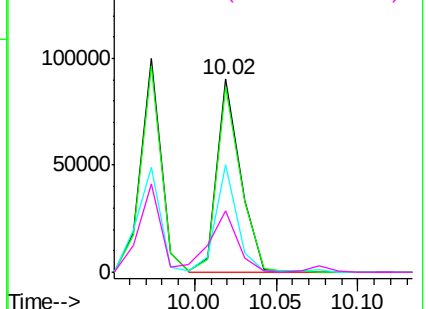
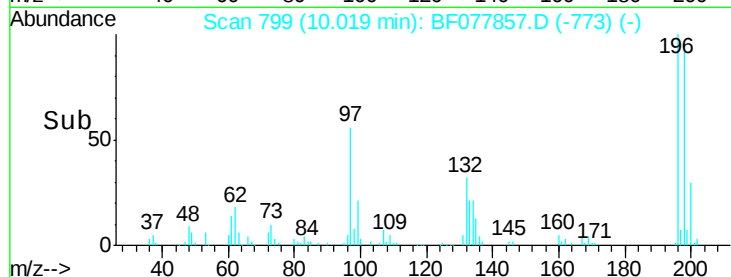
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.64 ng  
 RT: 10.02 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Tgt Ion:196 Resp: 90876  
 Ion Ratio Lower Upper  
 196 100  
 198 95.9 79.4 119.0  
 97 55.6 26.8 40.2#  
 132 31.6 18.6 28.0#

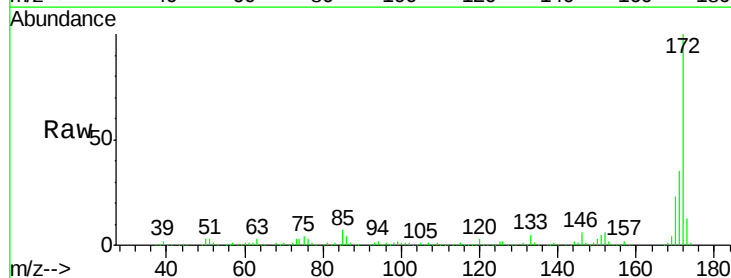


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

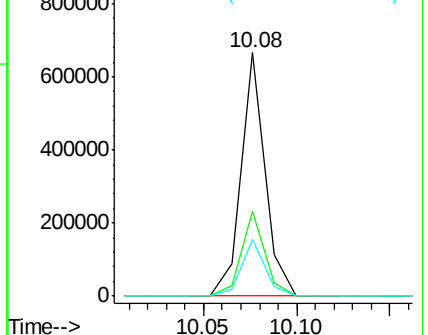
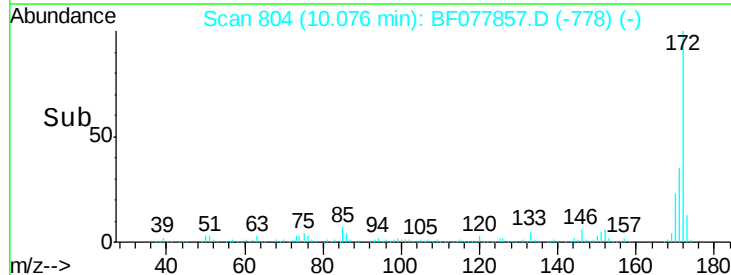


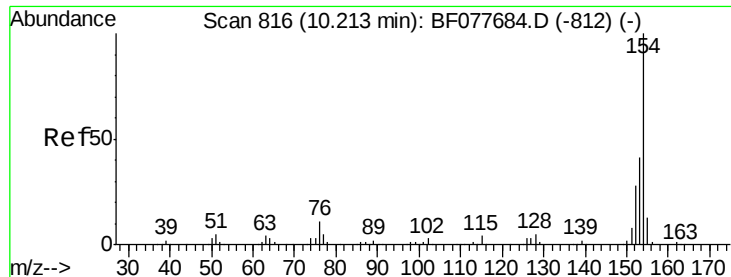
#44  
 2-Fluorobiphenyl  
 Concen: 97.88 ng  
 RT: 10.08 min Scan# 804  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:172 Resp: 594117  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.5 42.7  
 170 23.4 18.8 28.2



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

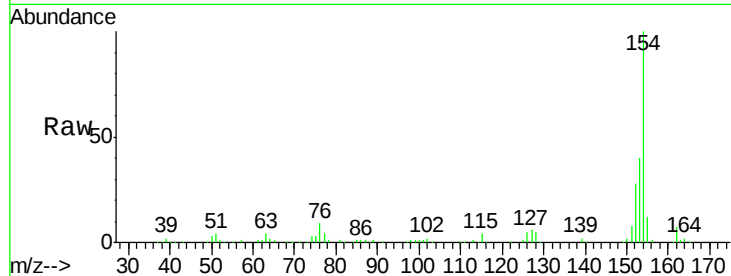




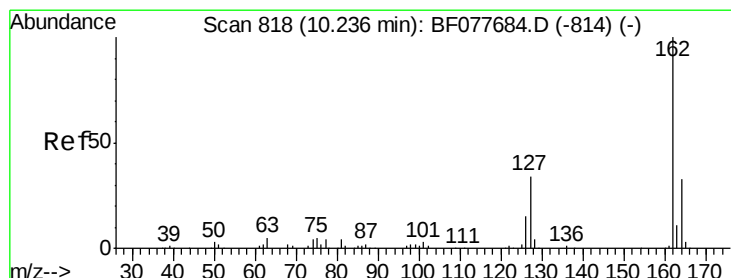
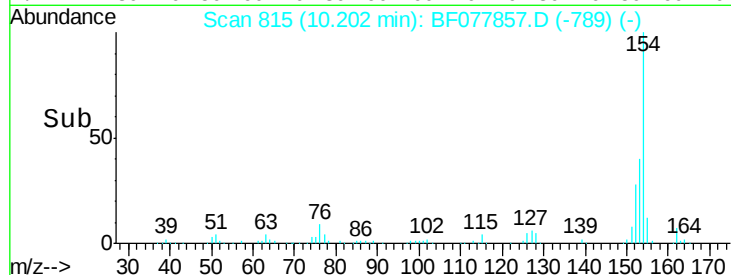
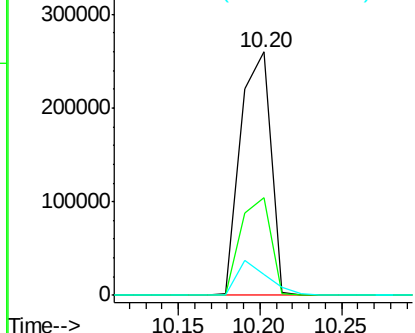
#45  
1,1'-Biphenyl  
Concen: 46.78 ng  
RT: 10.20 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

Tgt Ion:154 Resp: 333556  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.7 60.7  
76 8.7 0.0 30.9

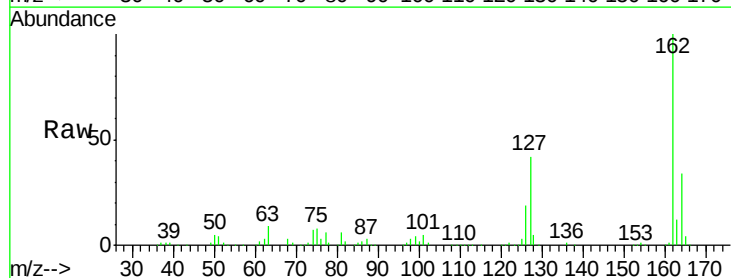


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BFO

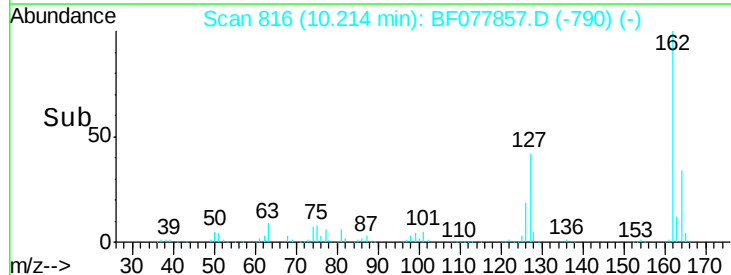
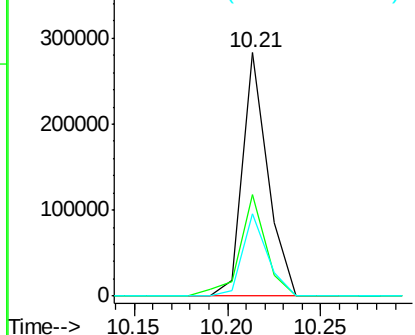


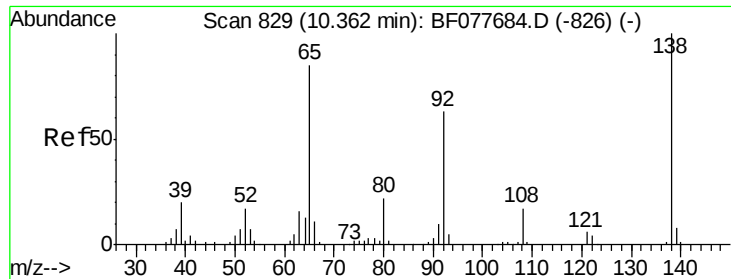
#46  
2-Chloronaphthalene  
Concen: 46.00 ng  
RT: 10.21 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:162 Resp: 266541  
Ion Ratio Lower Upper  
162 100  
127 41.5 26.9 40.3#  
164 33.8 26.8 40.2



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

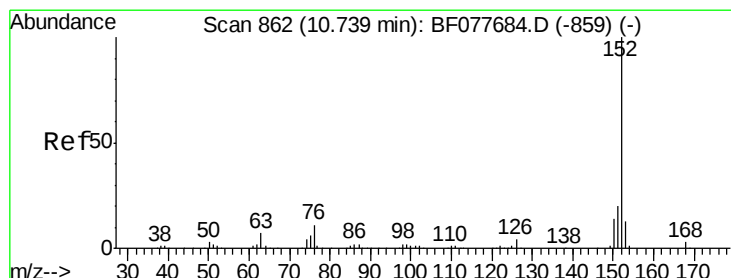
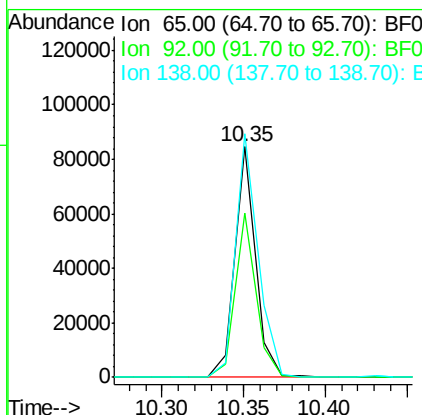
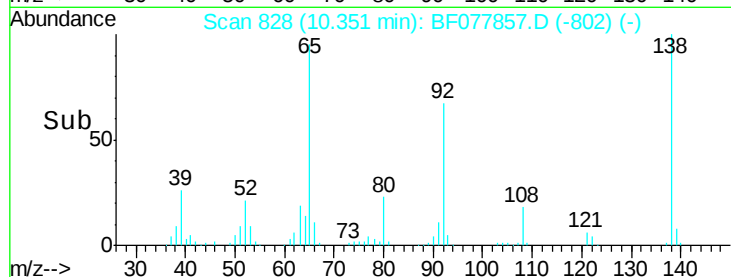
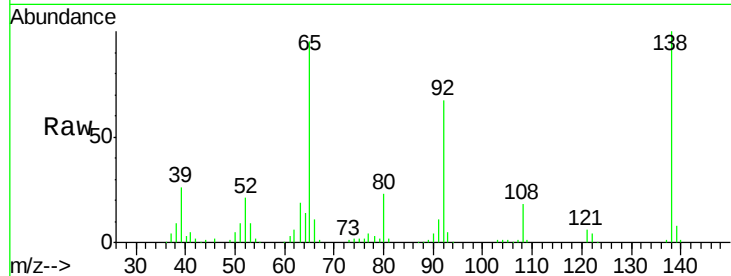




#47  
 2-Nitroaniline  
 Concen: 50.89 ng  
 RT: 10.35 min Scan# 828  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

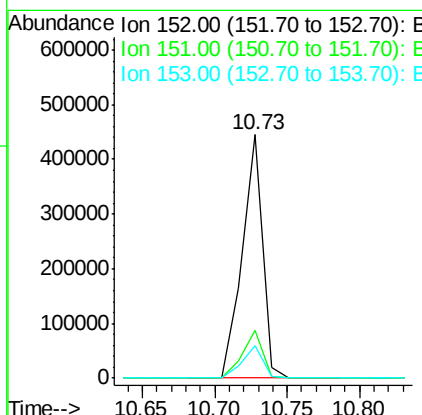
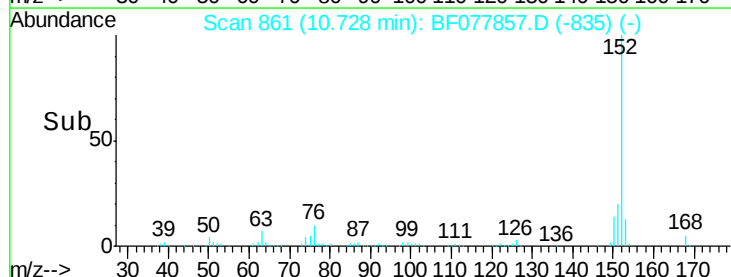
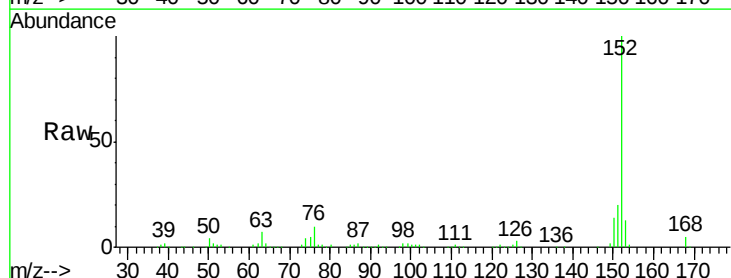
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

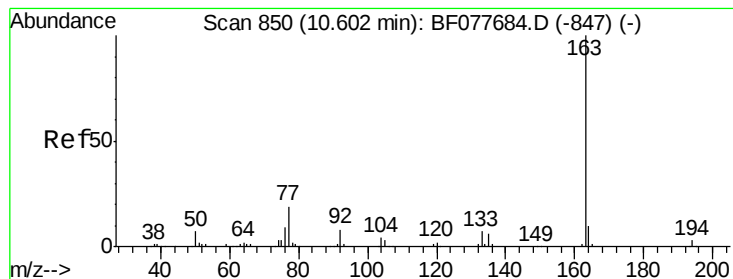
Tgt Ion: 65 Resp: 73244  
 Ion Ratio Lower Upper  
 65 100  
 92 71.0 59.1 88.7  
 138 105.7 93.9 140.9



#48  
 Acenaphthylene  
 Concen: 44.89 ng  
 RT: 10.73 min Scan# 861  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion: 152 Resp: 432574  
 Ion Ratio Lower Upper  
 152 100  
 151 19.6 15.9 23.9  
 153 13.1 10.6 16.0





#49

Dimethylphthalate

Concen: 50.99 ng

RT: 10.59 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

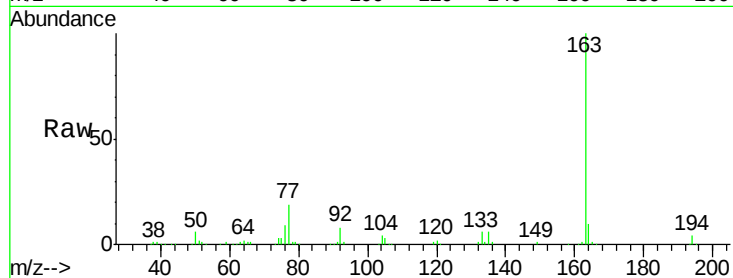
Tgt Ion:163 Resp: 337362

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

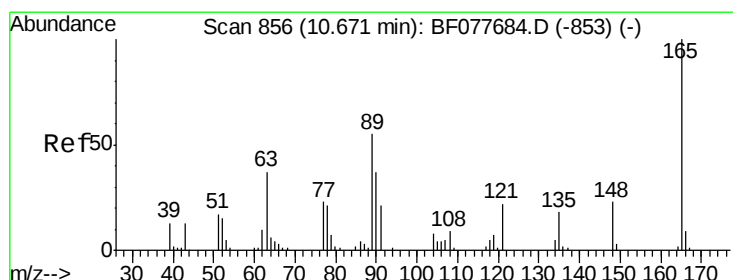
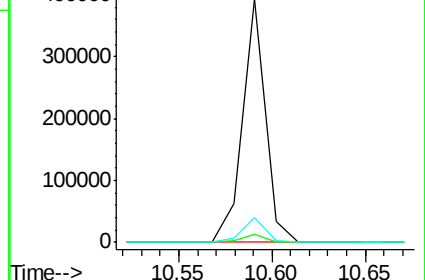
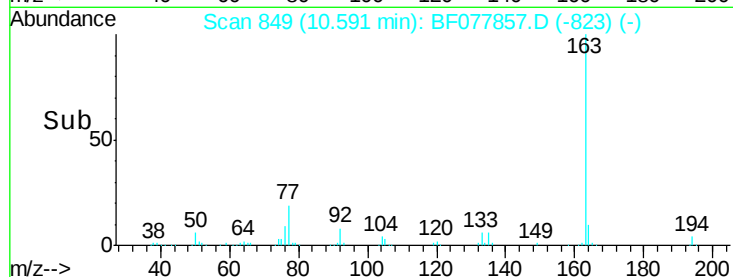
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 48.38 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

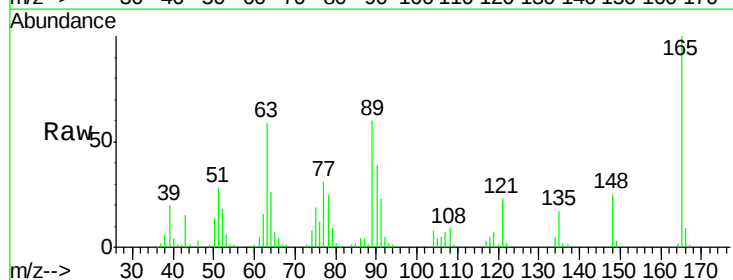
Tgt Ion:165 Resp: 66355

Ion Ratio Lower Upper

165 100

63 58.5 44.1 66.1

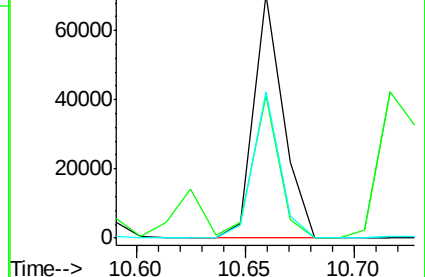
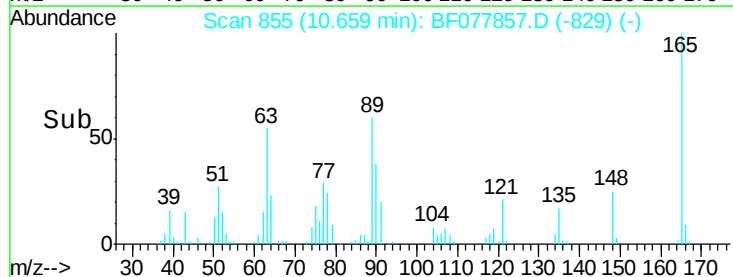
89 60.3 44.3 66.5

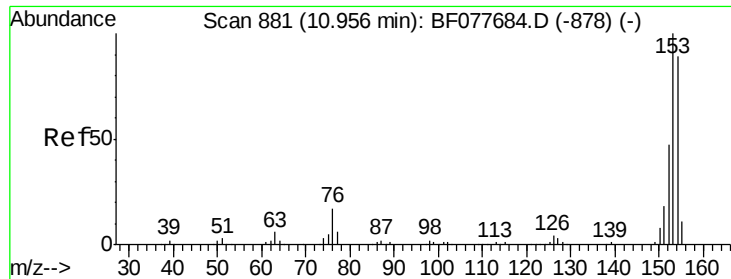


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.47 ng

RT: 10.95 min Scan# 880

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

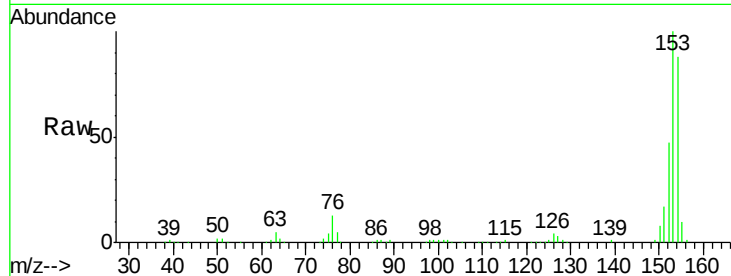
Tgt Ion:154 Resp: 245698

Ion Ratio Lower Upper

154 100

153 113.5 90.0 135.0

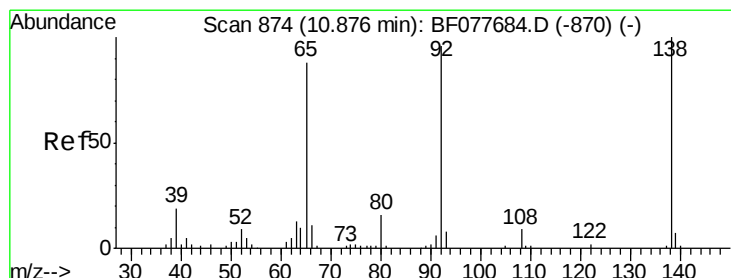
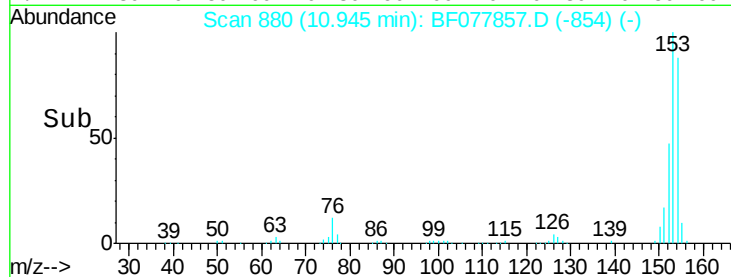
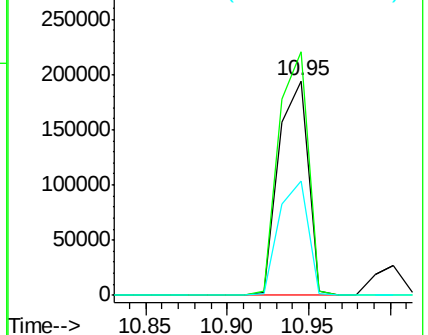
152 53.1 42.6 63.8



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: 20.46 ng

RT: 10.87 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

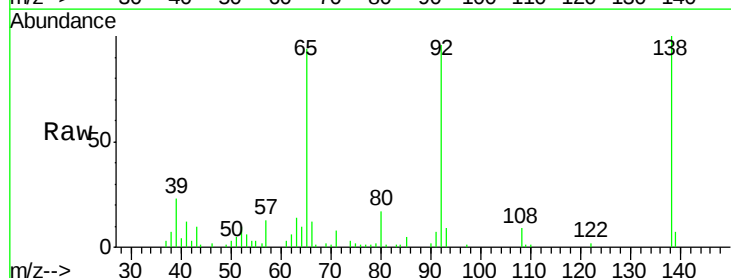
Tgt Ion:138 Resp: 32594

Ion Ratio Lower Upper

138 100

108 9.0 7.3 10.9

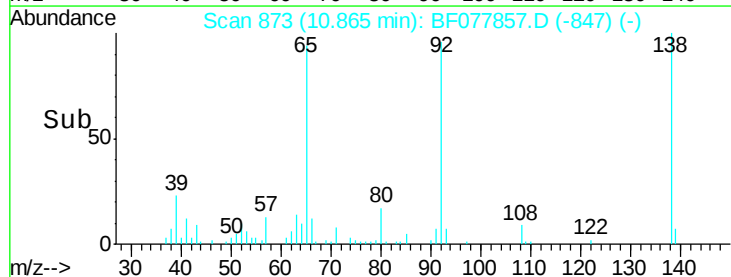
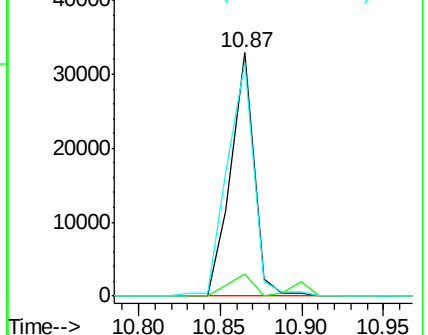
92 96.0 76.6 114.8

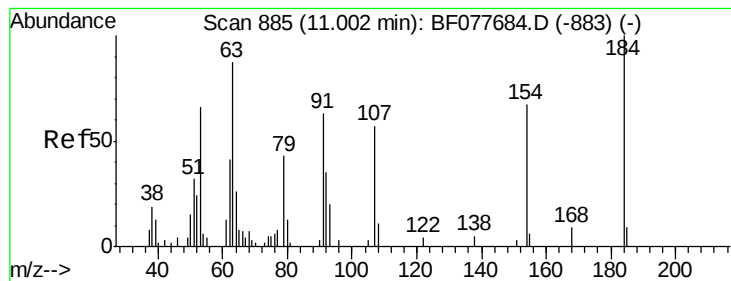


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 107.57 ng

RT: 11.00 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

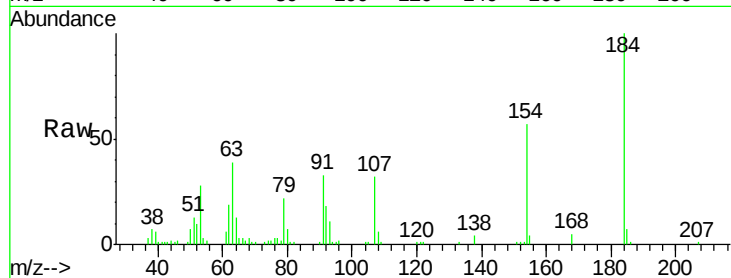
Tgt Ion:184 Resp: 55754

Ion Ratio Lower Upper

184 100

63 38.7 69.2 103.8#

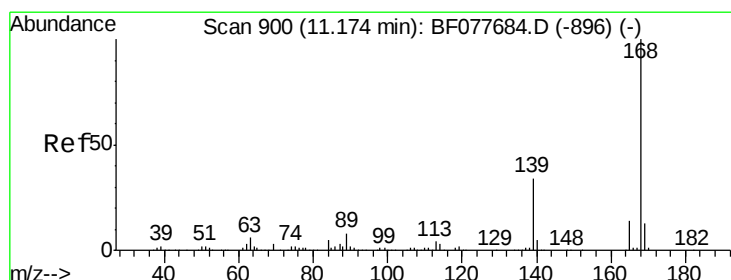
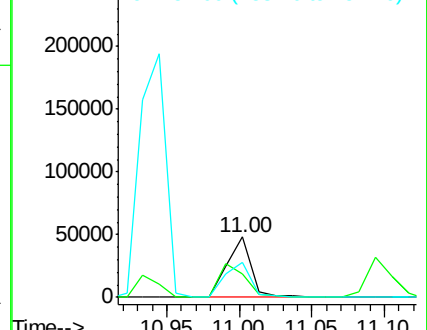
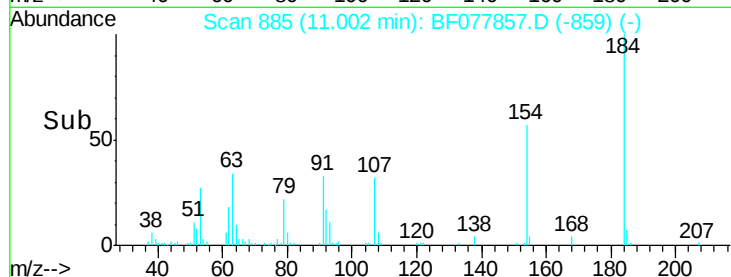
154 56.9 53.3 79.9



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



#54

Dibenzofuran

Concen: 47.42 ng

RT: 11.15 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

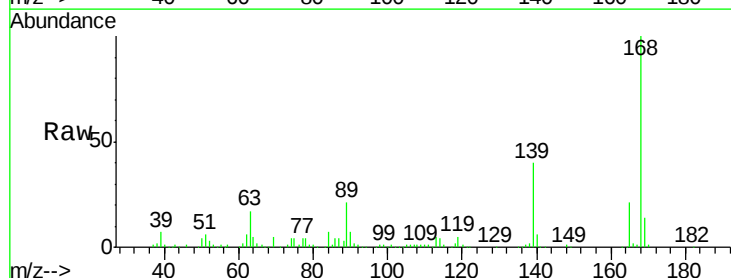
Tgt Ion:168 Resp: 388567

Ion Ratio Lower Upper

168 100

139 40.4 27.3 40.9

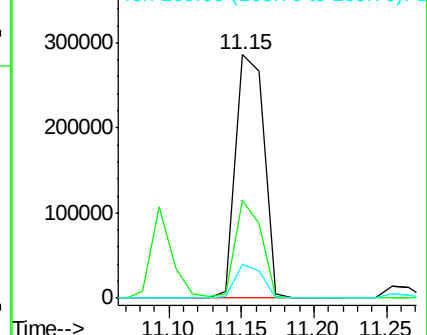
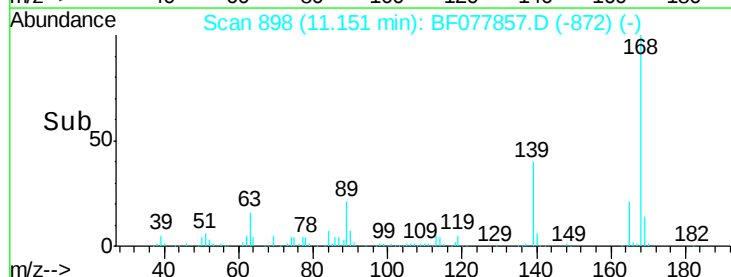
169 14.1 10.6 16.0

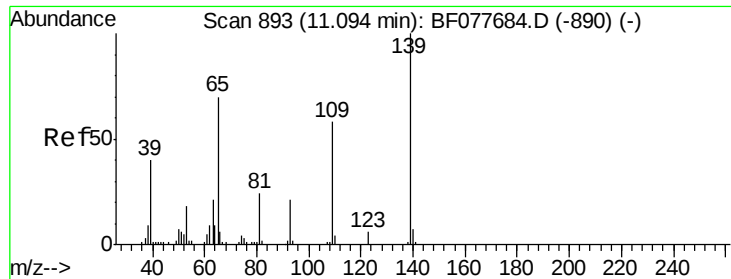


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

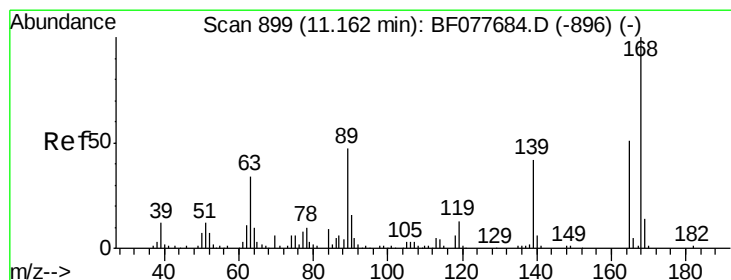
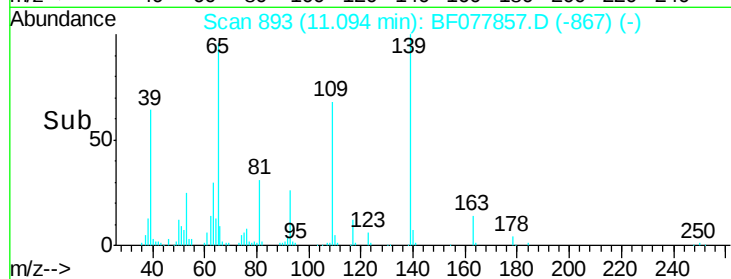
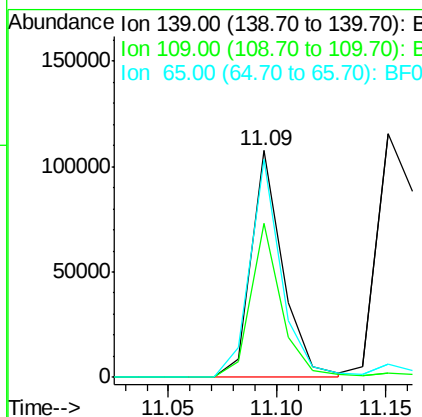
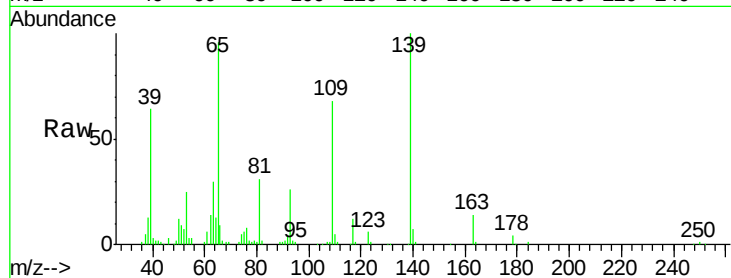




#55  
4-Nitrophenol  
Concen: 92.42 ng  
RT: 11.09 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

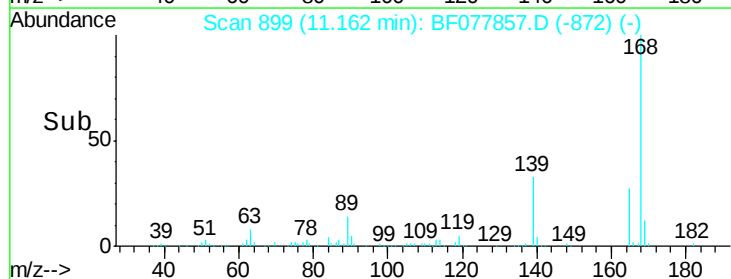
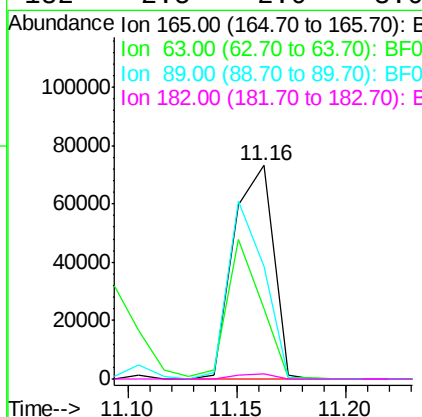
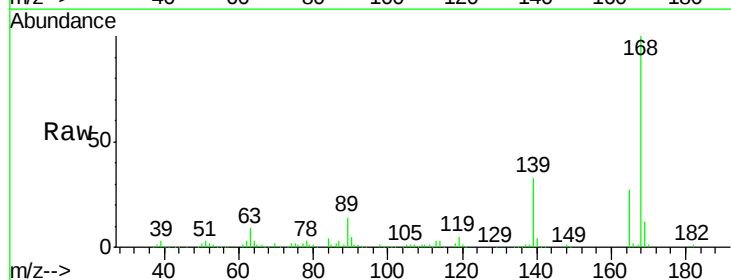
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

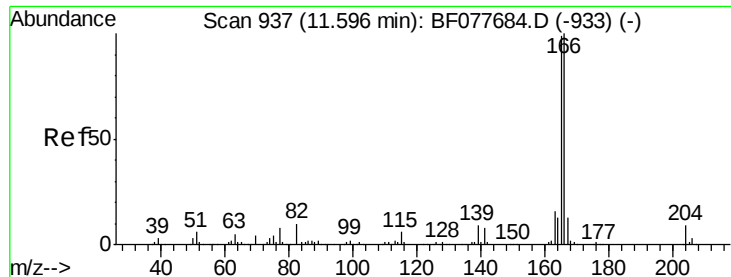
Tgt Ion:139 Resp: 109043  
Ion Ratio Lower Upper  
139 100  
109 68.2 37.7 77.7  
65 96.4 49.9 89.9#



#56  
2,4-Dinitrotoluene  
Concen: 51.86 ng  
RT: 11.16 min Scan# 899  
Delta R.T. 0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:165 Resp: 92746  
Ion Ratio Lower Upper  
165 100  
63 33.2 52.4 78.6#  
89 52.8 72.4 108.6#  
182 2.5 2.0 3.0

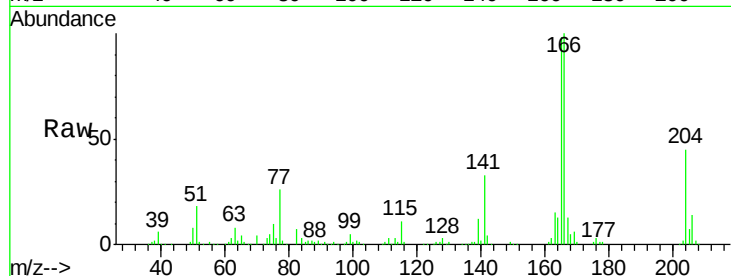




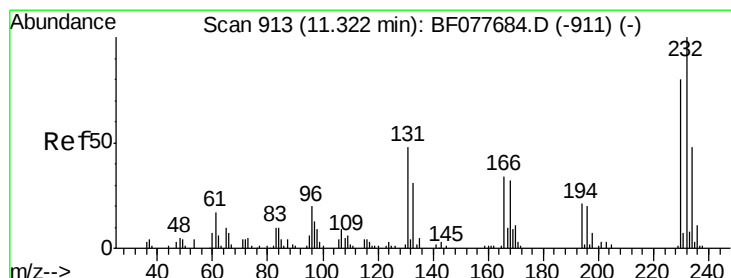
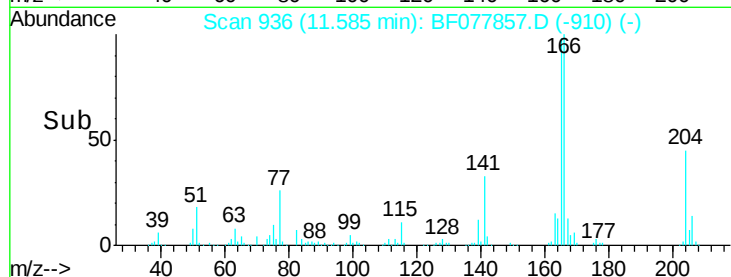
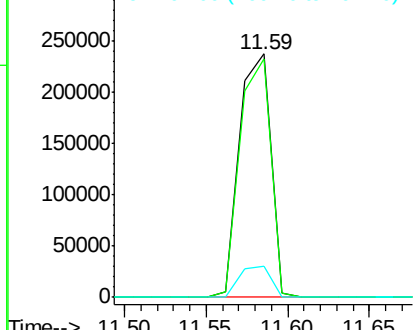
#57  
 Fluorene  
 Concen: 46.13 ng  
 RT: 11.59 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Tgt Ion:166 Resp: 313847  
 Ion Ratio Lower Upper  
 166 100  
 165 98.1 79.0 118.4  
 167 12.9 10.3 15.5

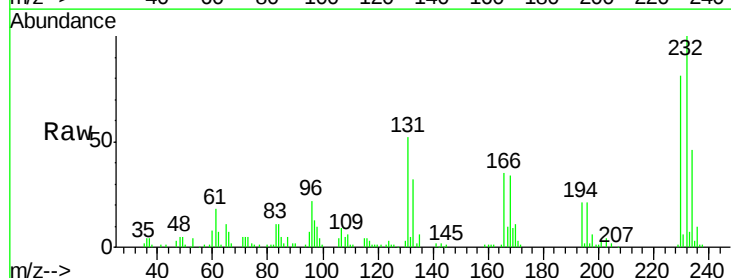


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

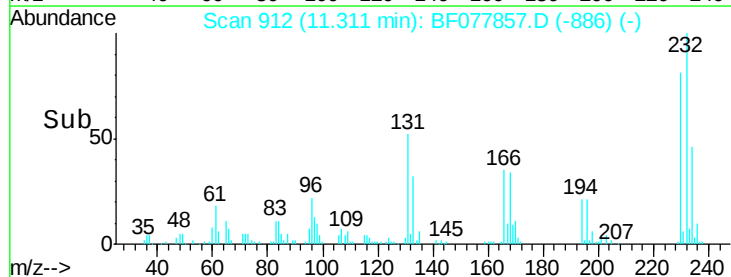
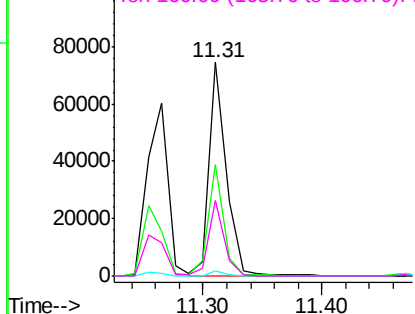


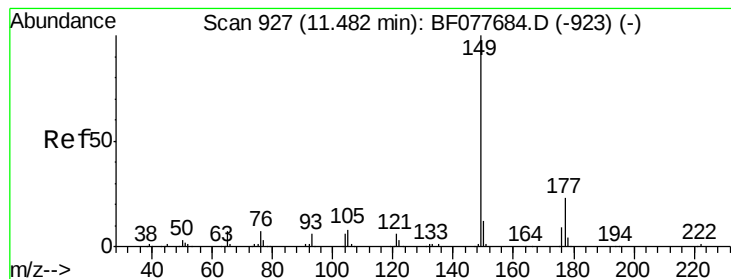
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.09 ng  
 RT: 11.31 min Scan# 912  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:232 Resp: 75259  
 Ion Ratio Lower Upper  
 232 100  
 131 47.5 0.0 0.0#  
 130 2.0 0.0 0.0#  
 166 31.7 0.0 0.0#



Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 49.01 ng

RT: 11.47 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

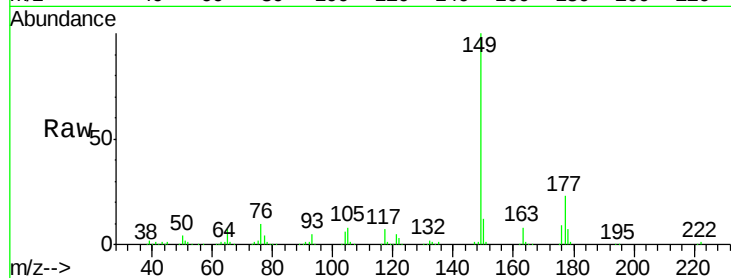
Tgt Ion:149 Resp: 315944

Ion Ratio Lower Upper

149 100

177 23.5 18.3 27.5

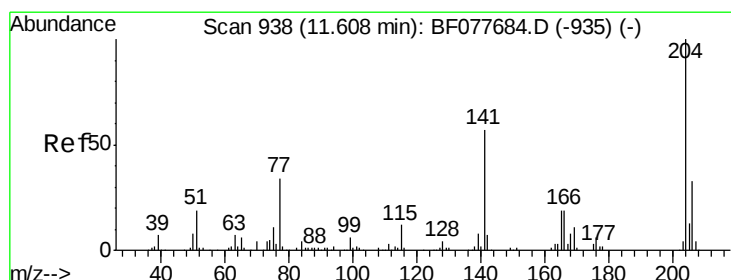
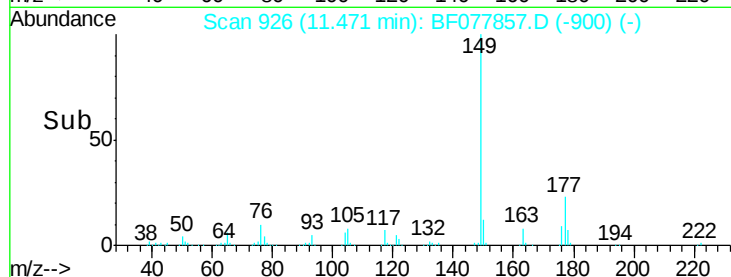
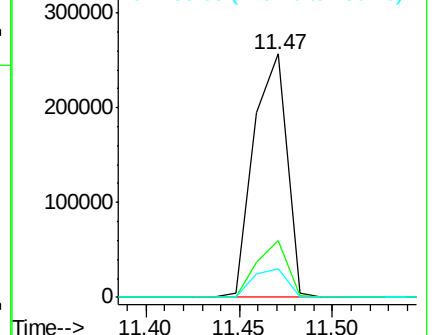
150 11.7 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.77 ng

RT: 11.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

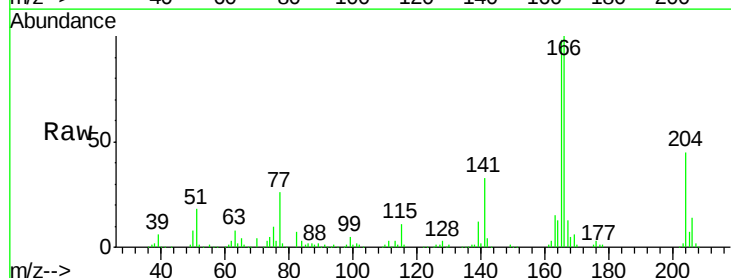
Tgt Ion:204 Resp: 142134

Ion Ratio Lower Upper

204 100

206 31.3 26.6 39.8

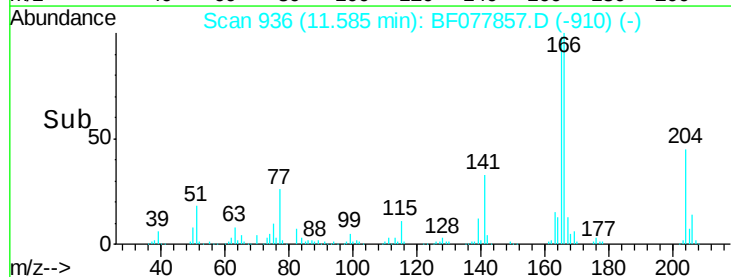
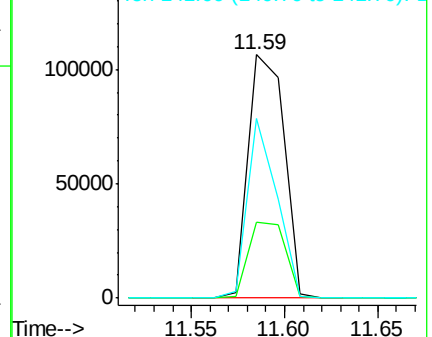
141 73.9 45.2 67.8#

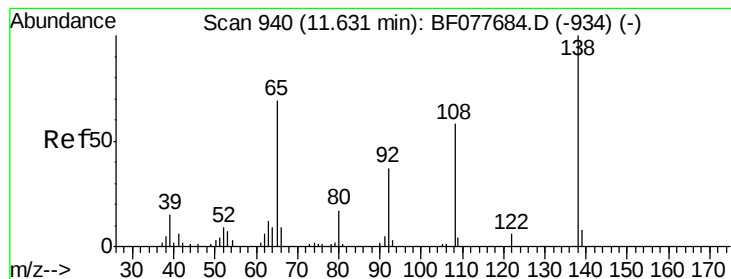


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 44.43 ng

RT: 11.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

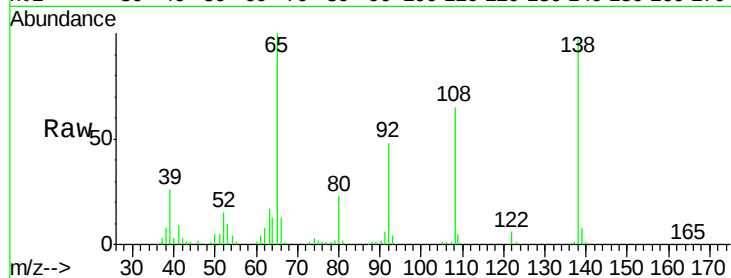
Tgt Ion:138 Resp: 70520

Ion Ratio Lower Upper

138 100

92 49.4 16.7 56.7

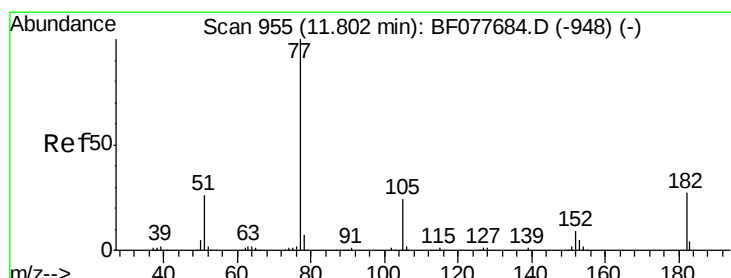
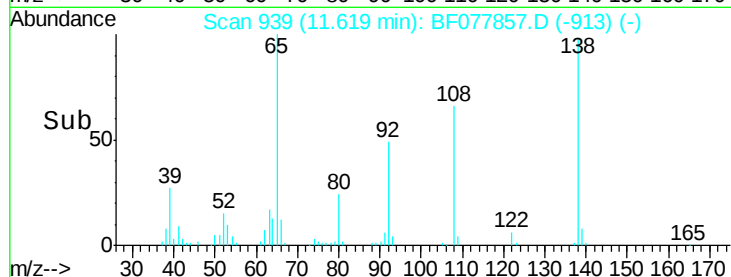
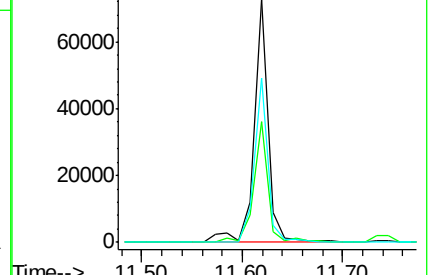
108 67.3 37.6 77.6



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: 47.95 ng

RT: 11.79 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Tgt Ion: 77 Resp: 295417

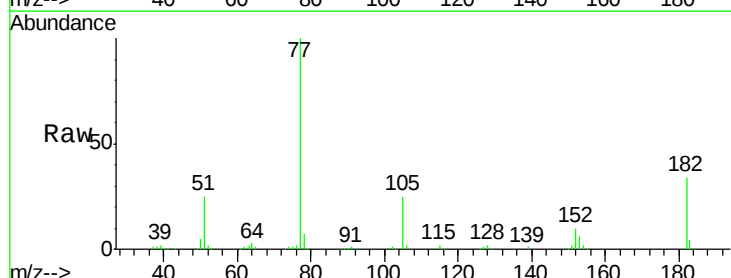
Ion Ratio Lower Upper

77 100

182 33.9 6.5 46.5

105 25.2 3.8 43.8

51 25.3 5.5 45.5

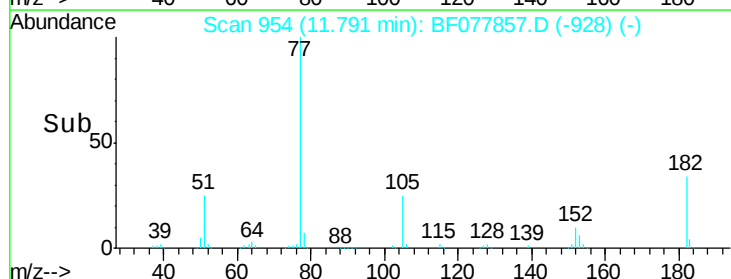
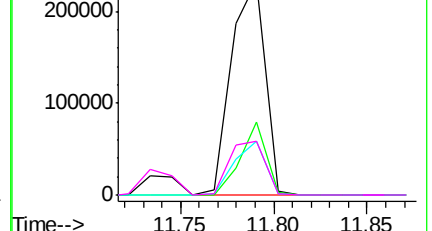


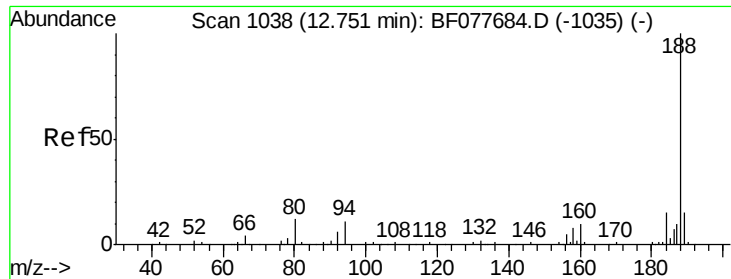
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

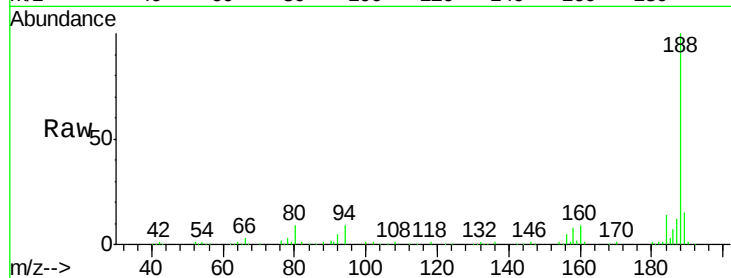




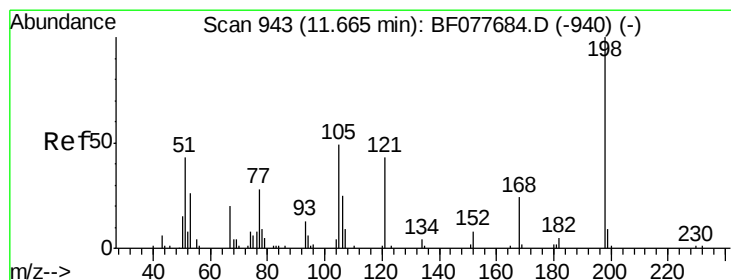
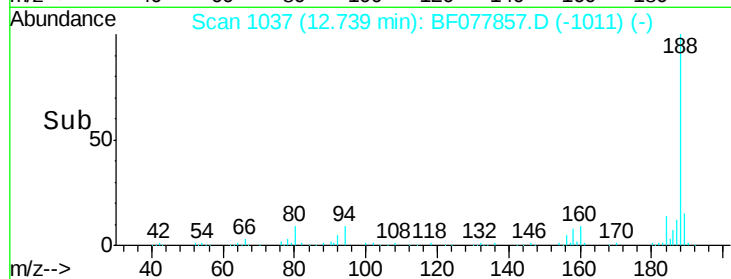
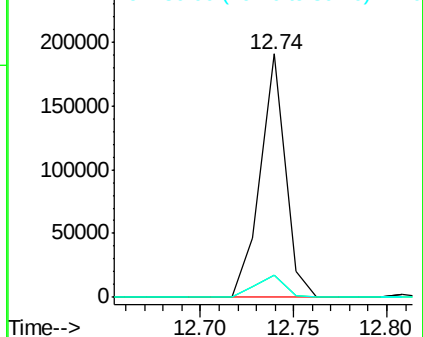
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.74 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

Tgt Ion:188 Resp: 177358  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.7 13.1  
80 9.2 9.3 13.9#

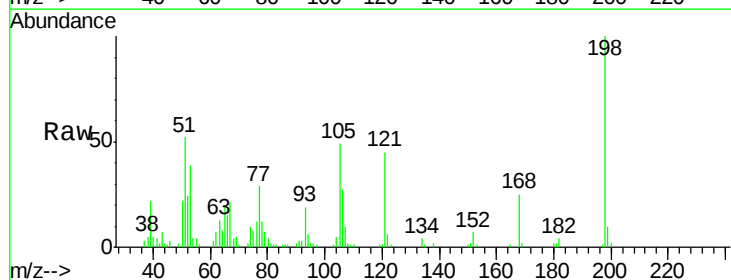


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

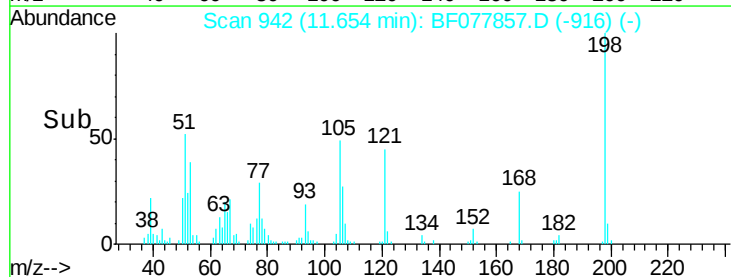
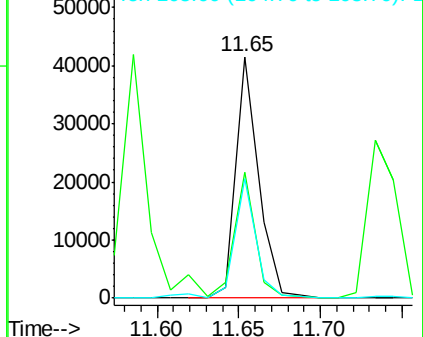


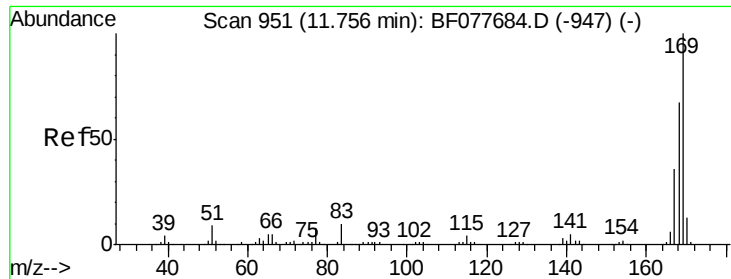
#64  
4,6-Dinitro-2-methylphenol  
Concen: 47.48 ng  
RT: 11.65 min Scan# 942  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:198 Resp: 39721  
Ion Ratio Lower Upper  
198 100  
51 52.2 28.8 68.8  
105 49.4 30.5 70.5



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

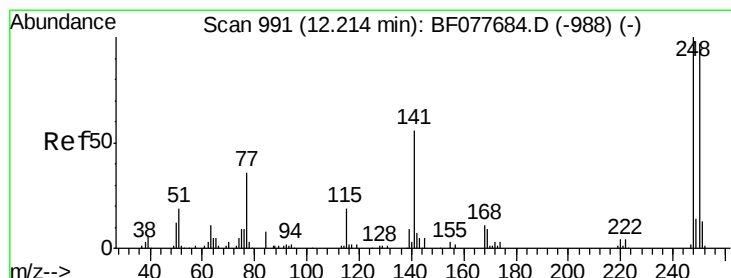
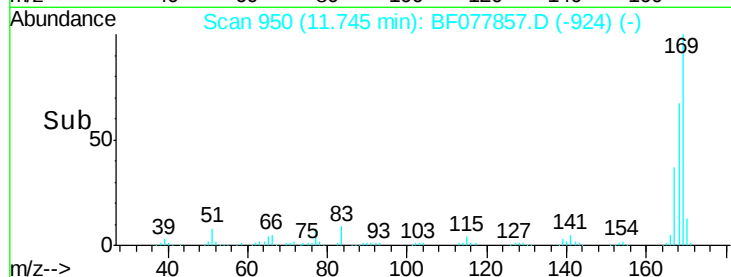
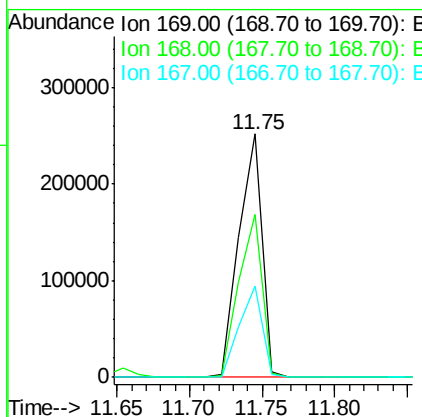
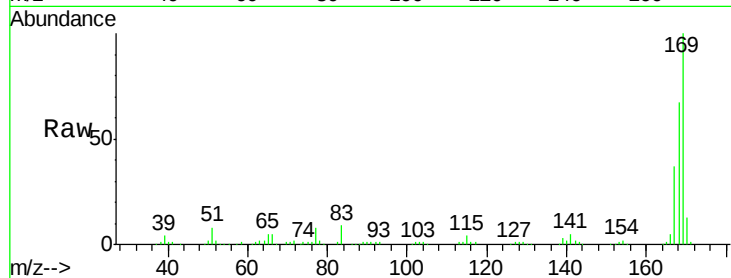




#65  
 n-Nitrosodiphenylamine  
 Concen: 47.12 ng  
 RT: 11.75 min Scan# 950  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

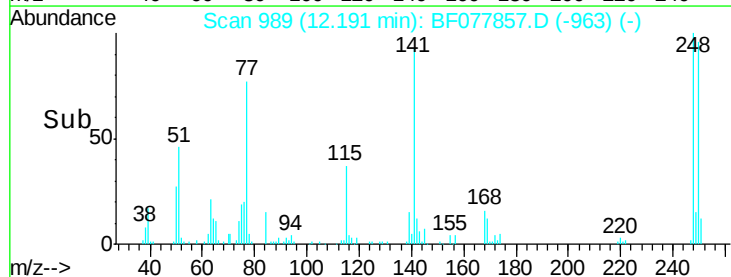
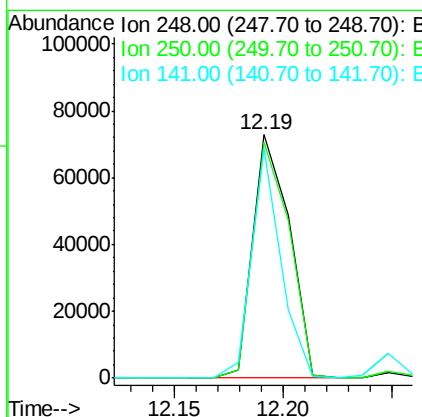
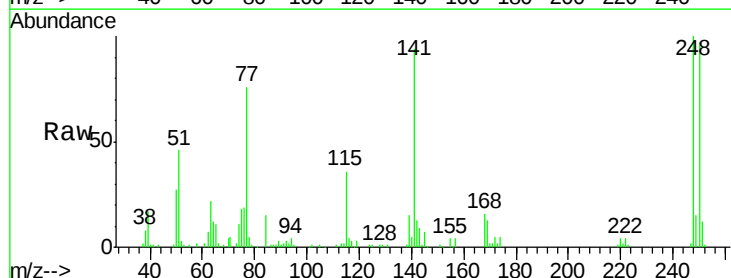
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

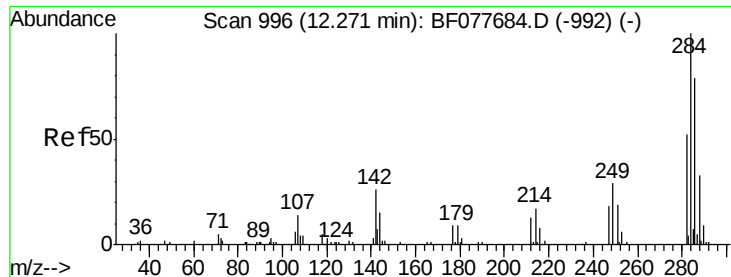
Tgt Ion:169 Resp: 278264  
 Ion Ratio Lower Upper  
 169 100  
 168 67.0 53.9 80.9  
 167 37.3 28.9 43.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 45.22 ng  
 RT: 12.19 min Scan# 989  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:248 Resp: 85587  
 Ion Ratio Lower Upper  
 248 100  
 250 96.7 77.4 116.0  
 141 94.3 45.2 67.8#

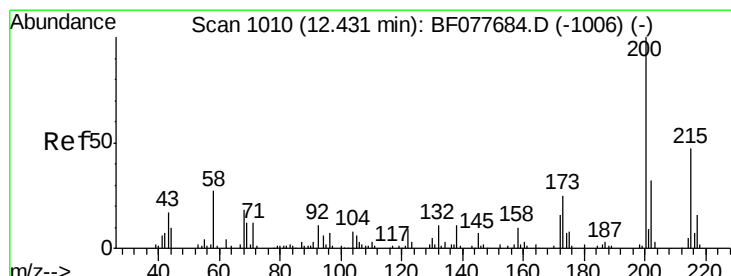
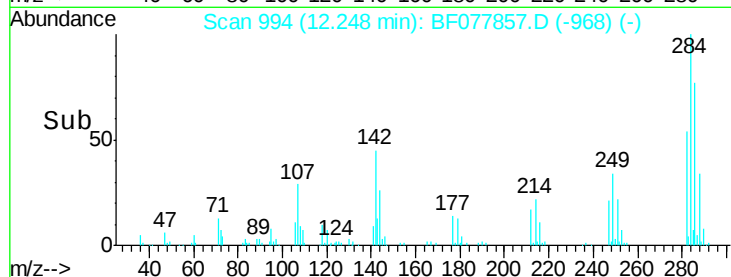
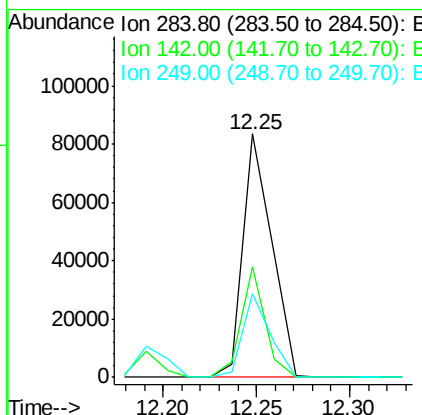
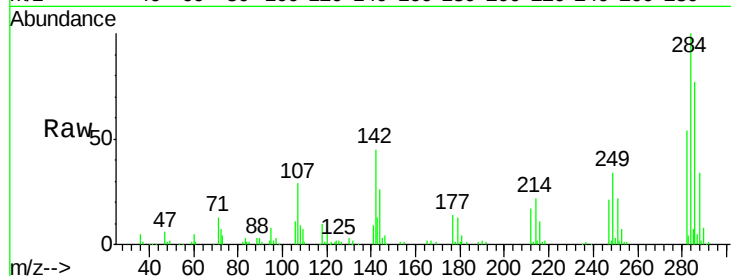




#67  
Hexachlorobenzene  
Concen: 43.23 ng  
RT: 12.25 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

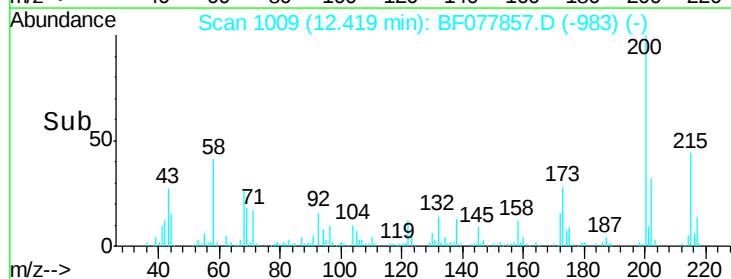
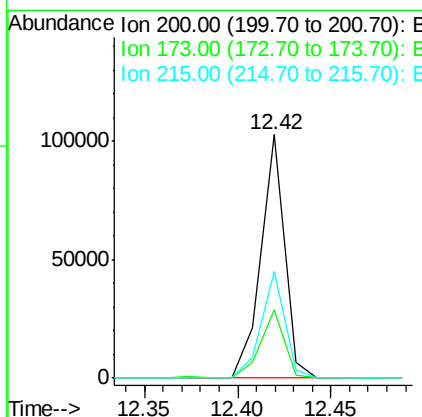
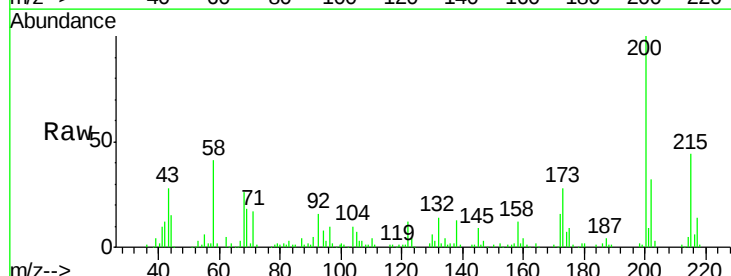
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

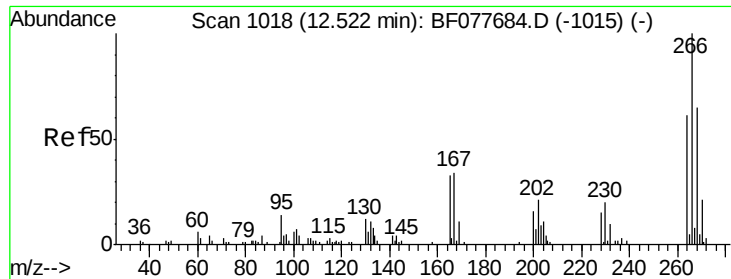
Tgt Ion:284 Resp: 89898  
Ion Ratio Lower Upper  
284 100  
142 45.2 20.4 30.6#  
249 34.3 23.8 35.6



#68  
Atrazine  
Concen: 54.45 ng  
RT: 12.42 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:200 Resp: 90122  
Ion Ratio Lower Upper  
200 100  
173 28.0 4.8 44.8  
215 43.9 26.9 66.9

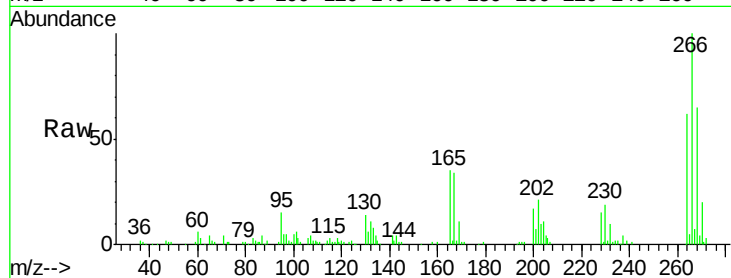




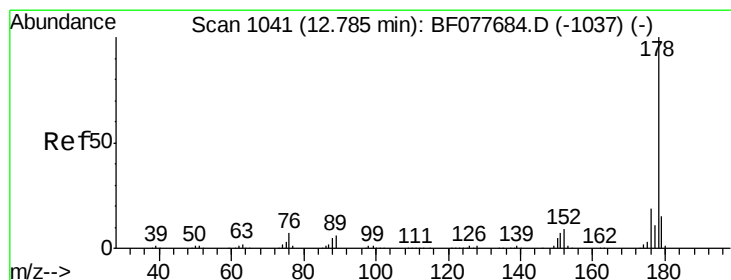
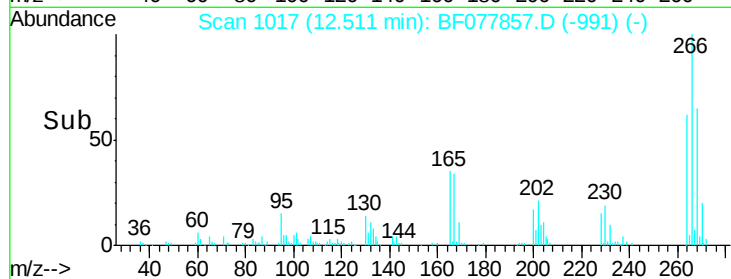
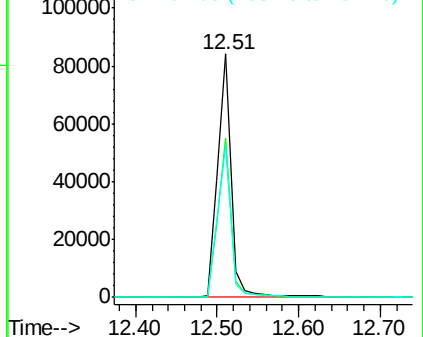
#69  
 Pentachlorophenol  
 Concen: 89.20 ng  
 RT: 12.51 min Scan# 1017  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Tgt Ion: 266 Resp: 97566  
 Ion Ratio Lower Upper  
 266 100  
 268 65.3 52.0 78.0  
 264 62.4 49.0 73.4

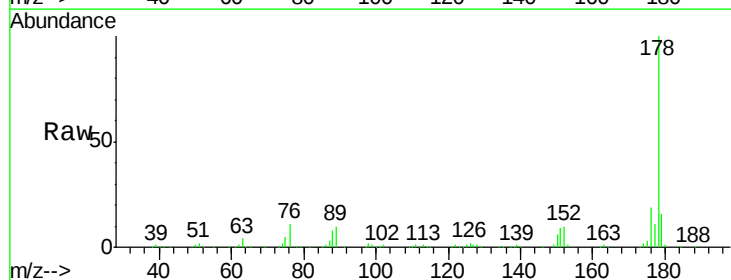


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

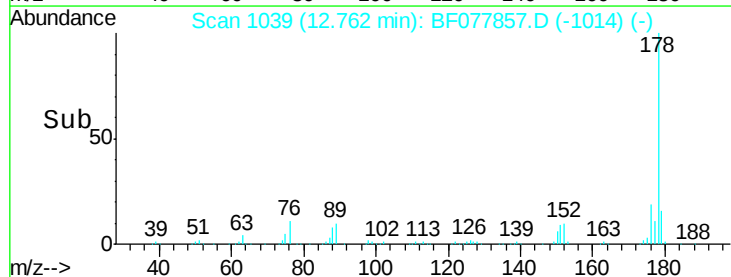
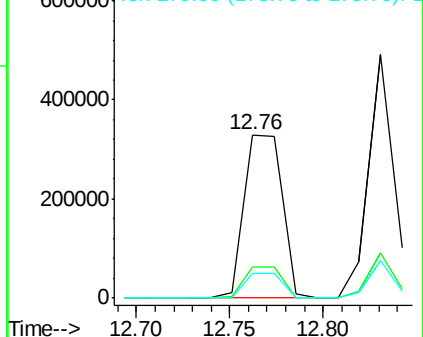


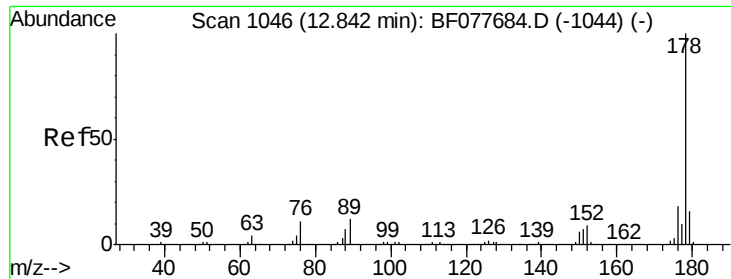
#70  
 Phenanthrene  
 Concen: 45.57 ng  
 RT: 12.76 min Scan# 1039  
 Delta R.T. -0.01 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion: 178 Resp: 464019  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.2 22.8  
 179 15.6 12.1 18.1



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

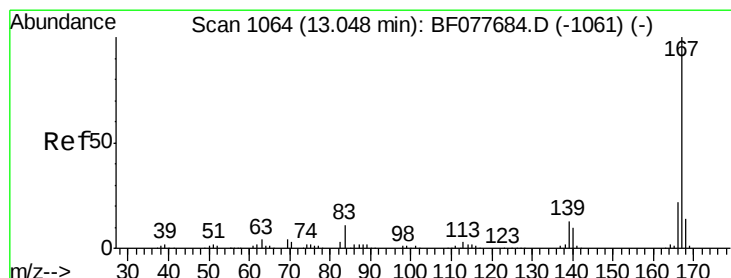
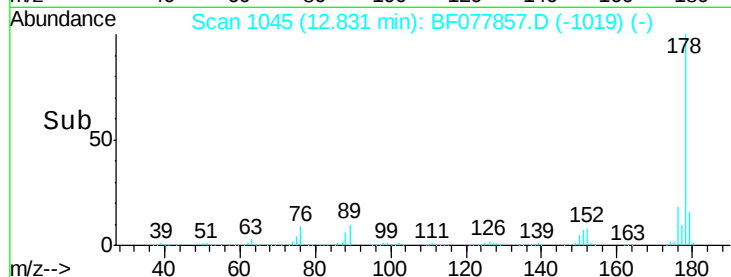
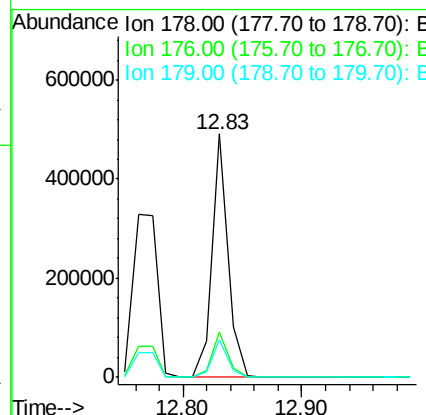
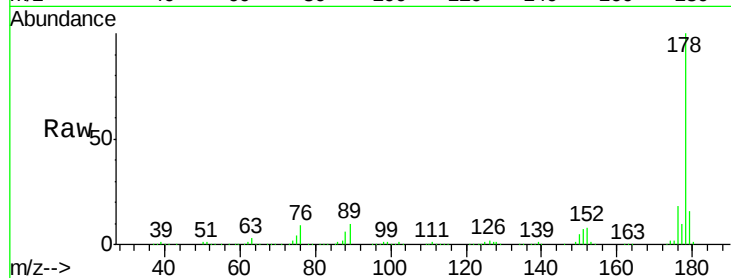




#71  
 Anthracene  
 Concen: 45.73 ng  
 RT: 12.83 min Scan# 1045  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

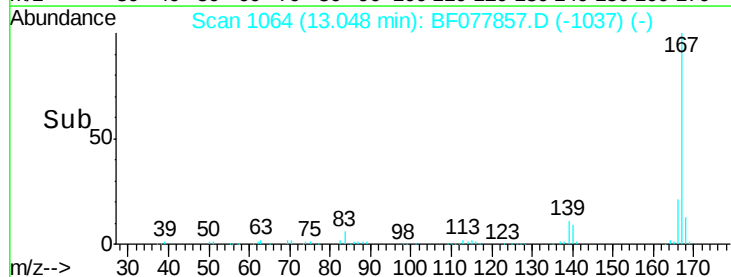
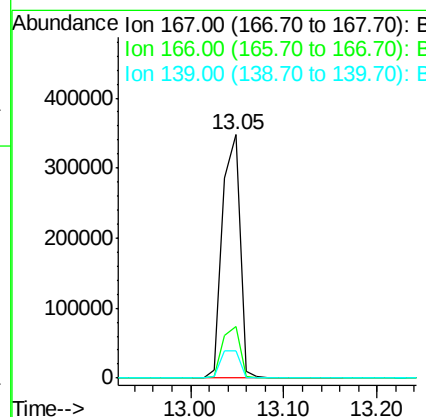
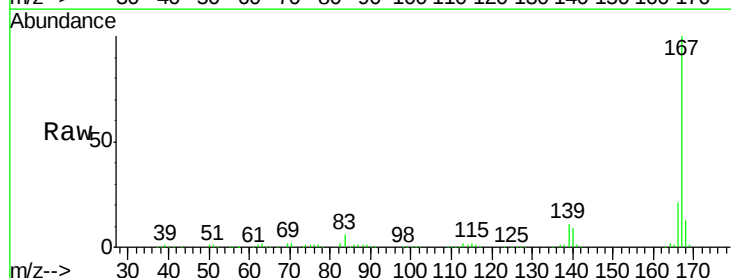
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

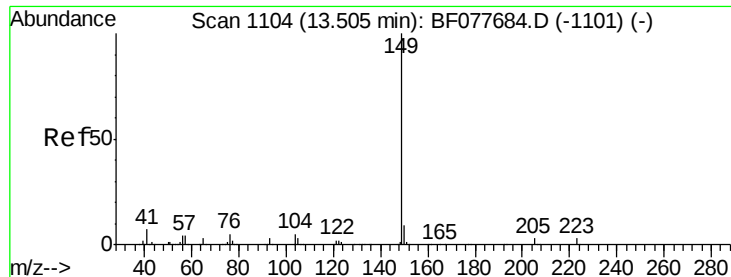
Tgt Ion:178 Resp: 460019  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 14.6 22.0  
 179 15.6 12.6 19.0



#72  
 Carbazole  
 Concen: 47.37 ng  
 RT: 13.05 min Scan# 1064  
 Delta R.T. 0.01 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion:167 Resp: 453311  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.2 25.8  
 139 11.4 10.8 16.2

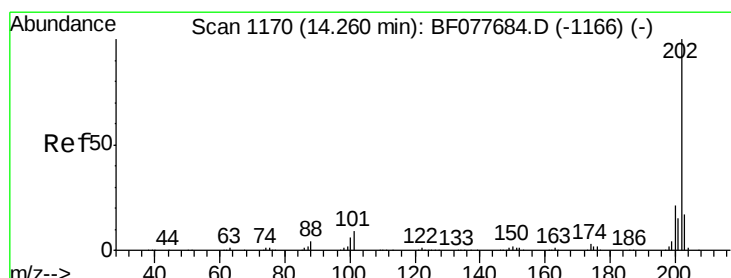
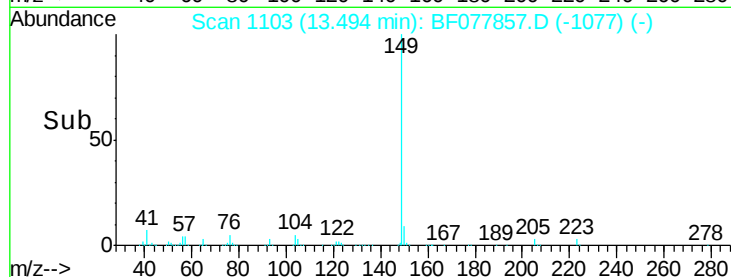
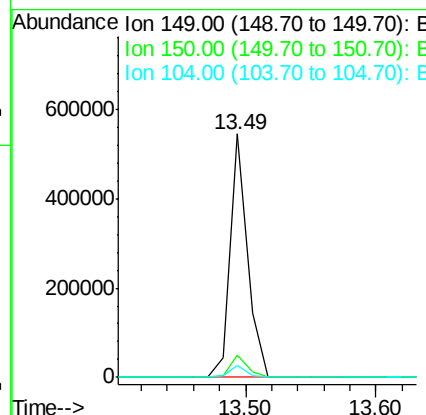
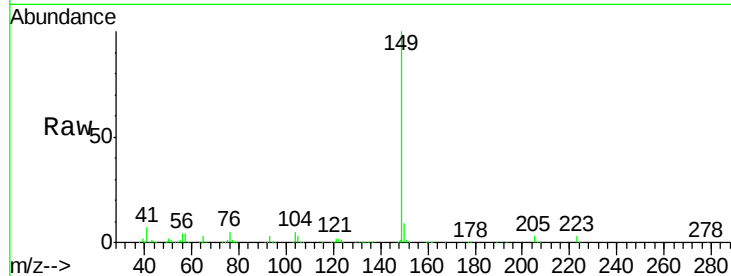




#73  
Di-n-butylphthalate  
Concen: 46.98 ng  
RT: 13.49 min Scan# 1103  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

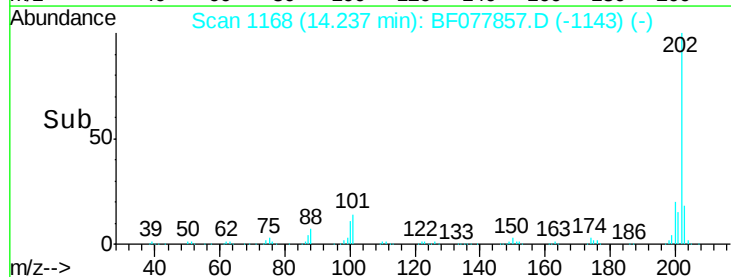
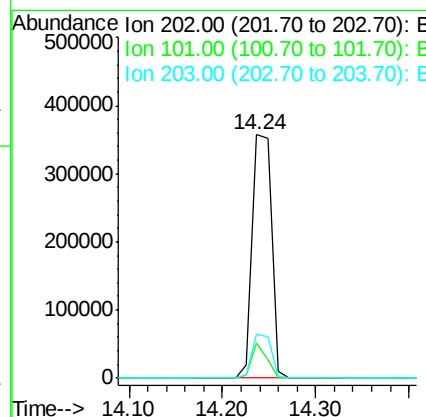
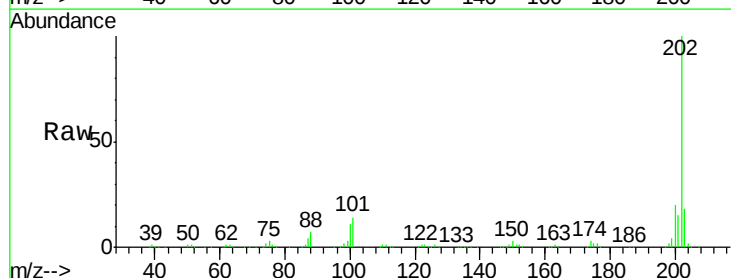
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

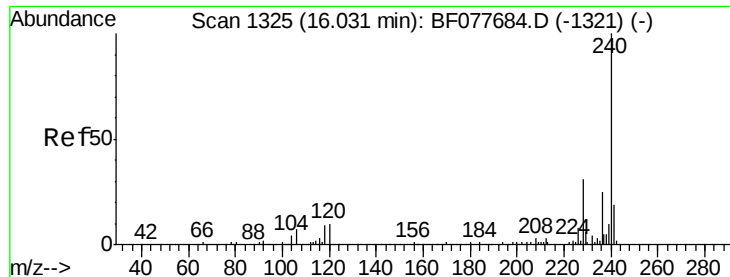
Tgt Ion:149 Resp: 504093  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 4.7 3.7 5.5



#74  
Fluoranthene  
Concen: 45.47 ng  
RT: 14.24 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:202 Resp: 510655  
Ion Ratio Lower Upper  
202 100  
101 14.4 0.0 28.7  
203 18.2 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.02 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

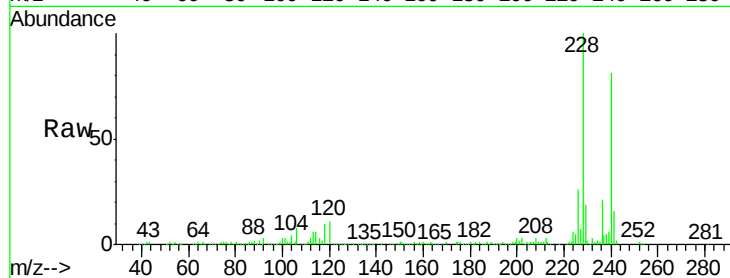
Tgt Ion:240 Resp: 179665

Ion Ratio Lower Upper

240 100

120 14.1 8.2 12.2#

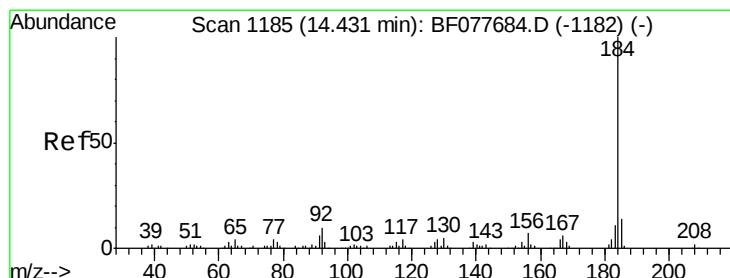
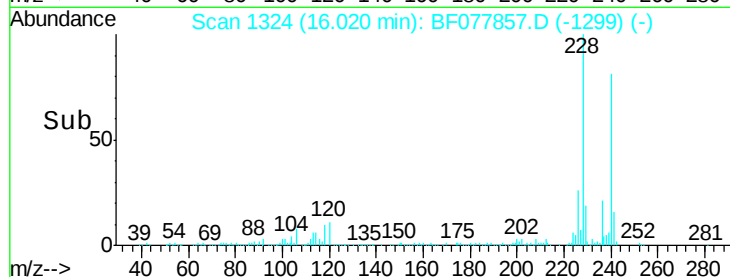
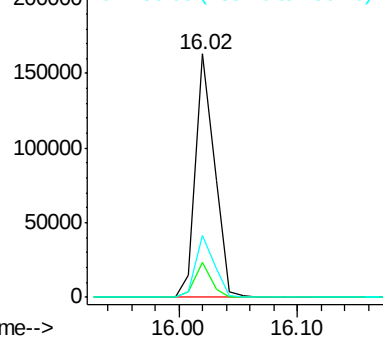
236 25.5 20.0 30.0



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: 33.69 ng

RT: 14.43 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

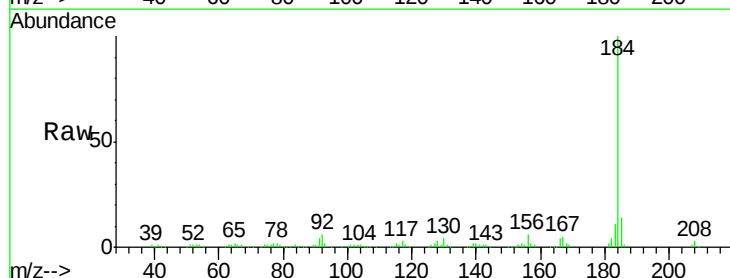
Tgt Ion:184 Resp: 150058

Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

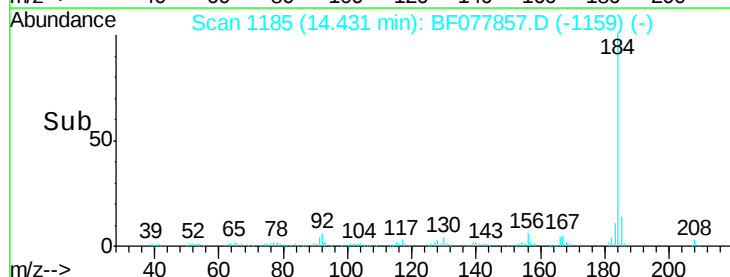
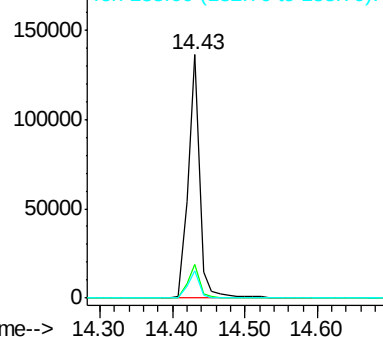
183 11.2 8.9 13.3

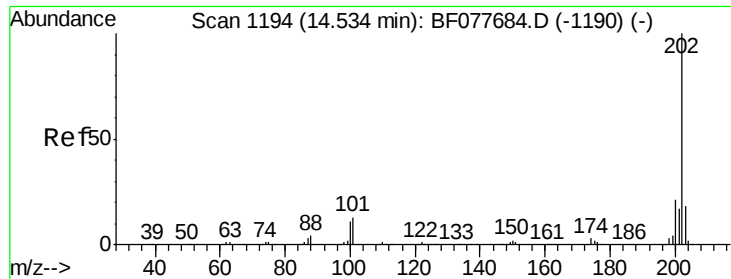


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

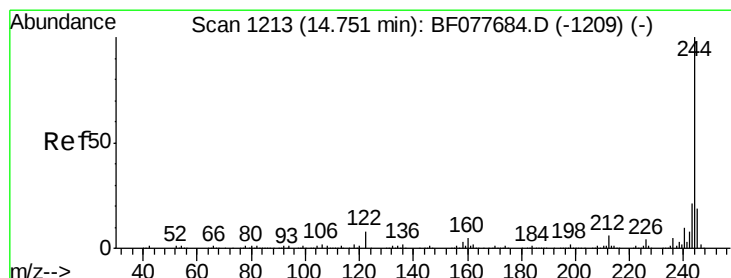
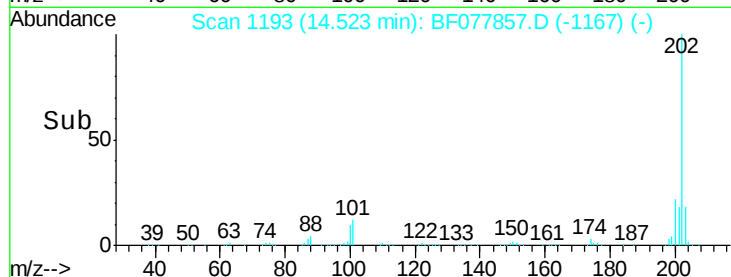
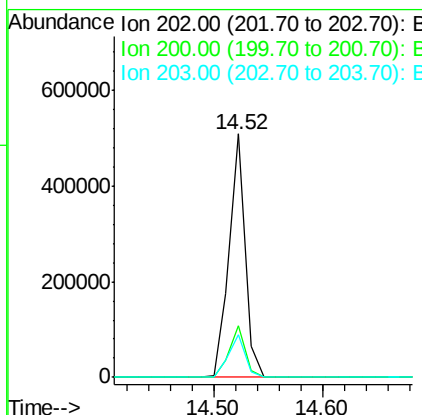
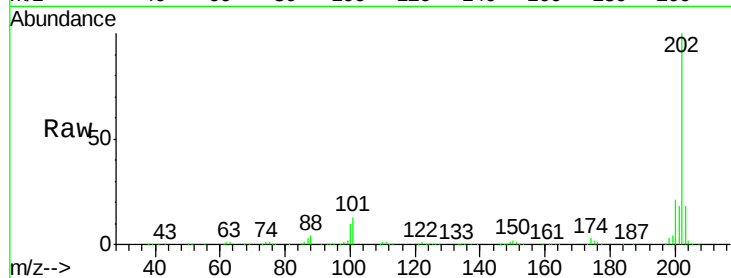




#77  
 Pyrene  
 Concen: 45.95 ng  
 RT: 14.52 min Scan# 1193  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

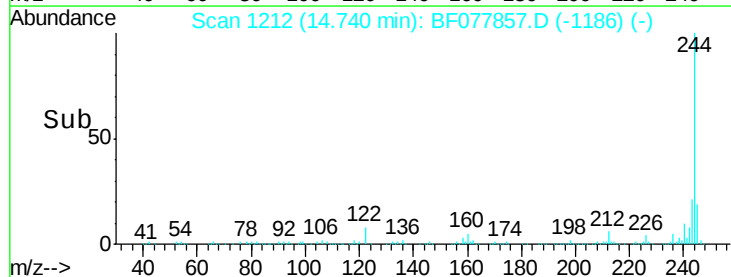
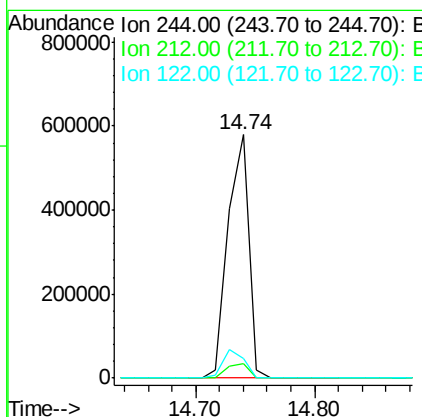
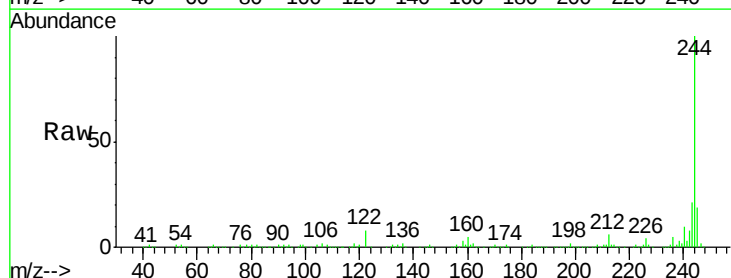
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

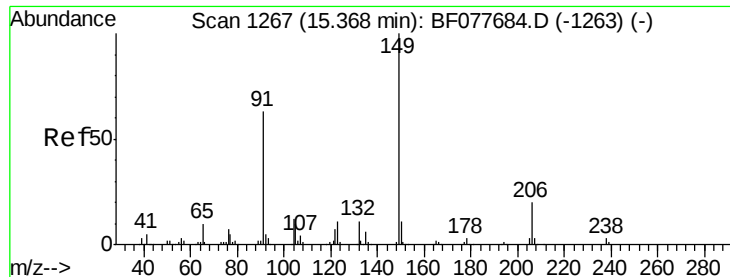
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 16.9  | 25.3  |
| 203     | 17.5  | 14.1  | 21.1  |



#78  
 Terphenyl-d14  
 Concen: 95.66 ng  
 RT: 14.74 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.2   | 4.9   | 7.3   |
| 122     | 7.8   | 6.2   | 9.4   |

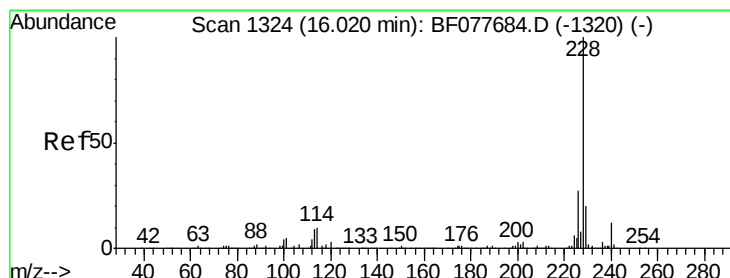
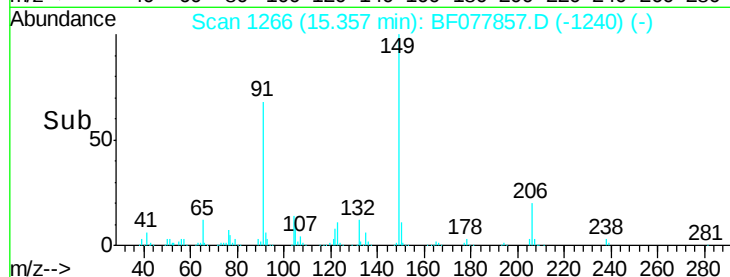
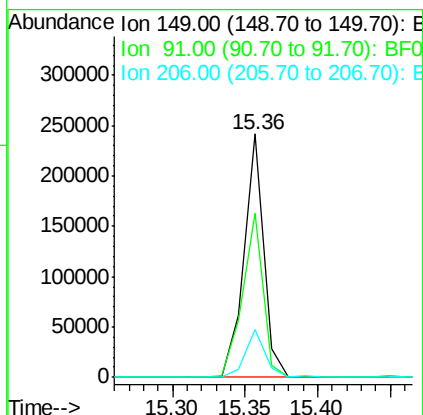
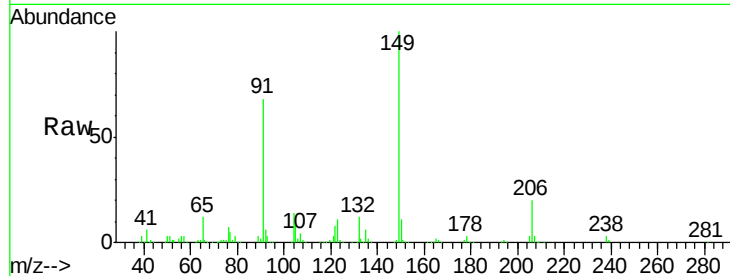




#79  
Butylbenzylphthalate  
Concen: 51.38 ng  
RT: 15.36 min Scan# 1266  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

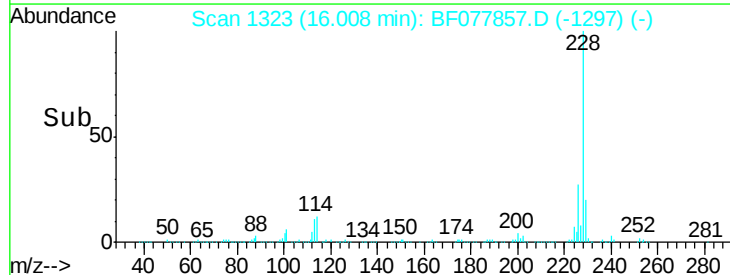
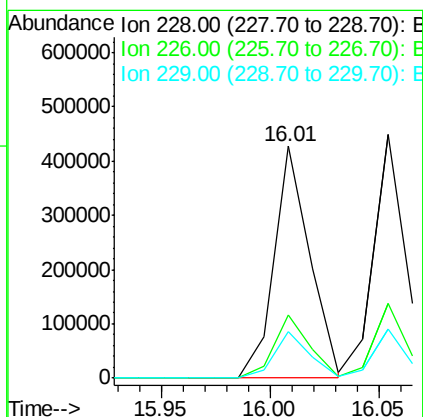
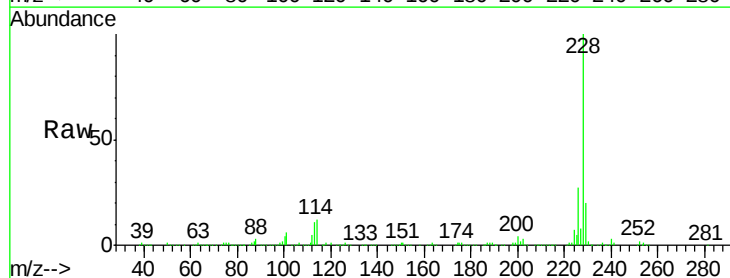
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

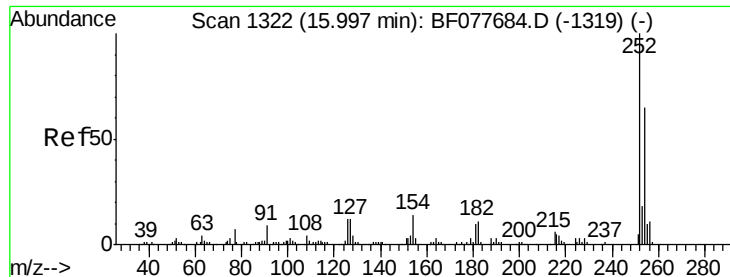
Tgt Ion:149 Resp: 228857  
Ion Ratio Lower Upper  
149 100  
91 67.7 50.1 75.1  
206 19.5 16.2 24.2



#80  
Benzo(a)anthracene  
Concen: 46.08 ng  
RT: 16.01 min Scan# 1323  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:228 Resp: 490788  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.7 32.5  
229 20.1 16.0 24.0

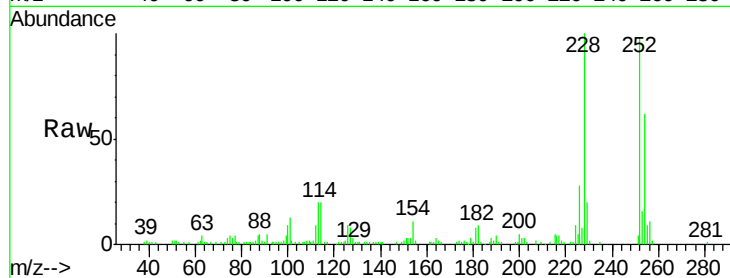




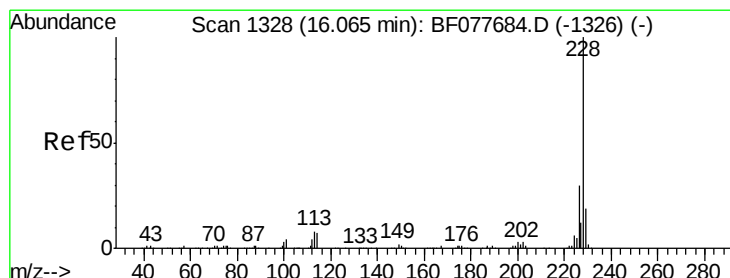
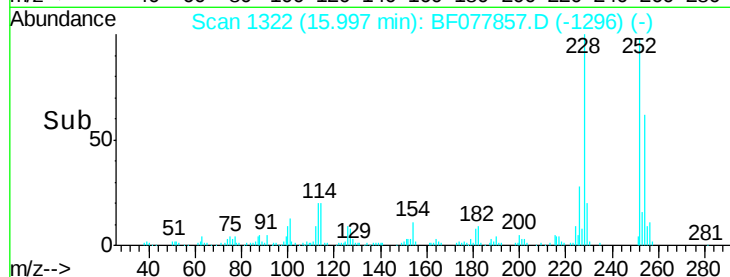
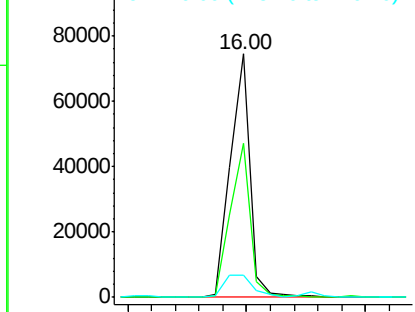
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.42 ng  
 RT: 16.00 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-015MSD

Tgt Ion: 252 Resp: 85779  
 Ion Ratio Lower Upper  
 252 100  
 254 63.5 51.9 77.9  
 126 9.3 9.8 14.8#

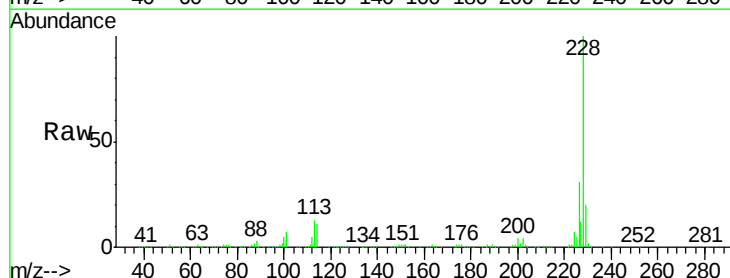


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

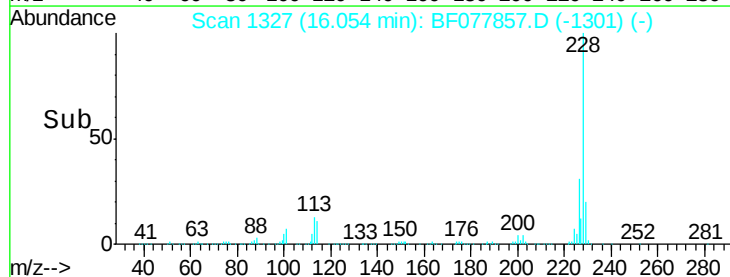
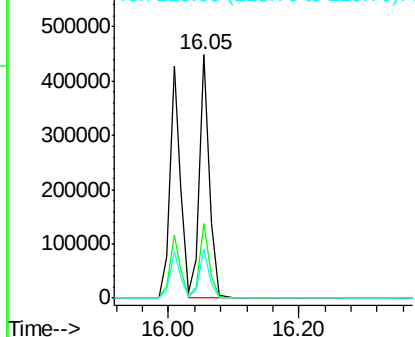


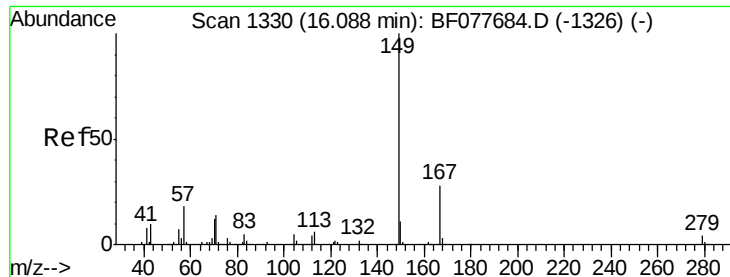
#82  
 Chrysene  
 Concen: 48.30 ng  
 RT: 16.05 min Scan# 1327  
 Delta R.T. -0.00 min  
 Lab File: BF077857.D  
 Acq: 20 Mar 2015 5:45

Tgt Ion: 228 Resp: 462566  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 24.1 36.1  
 229 20.3 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.85 ng

RT: 16.08 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD

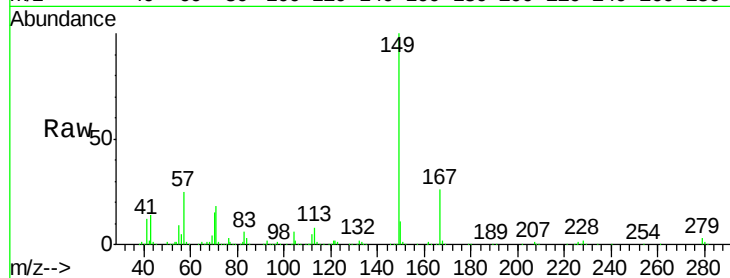
Tgt Ion:149 Resp: 329604

Ion Ratio Lower Upper

149 100

167 26.4 22.4 33.6

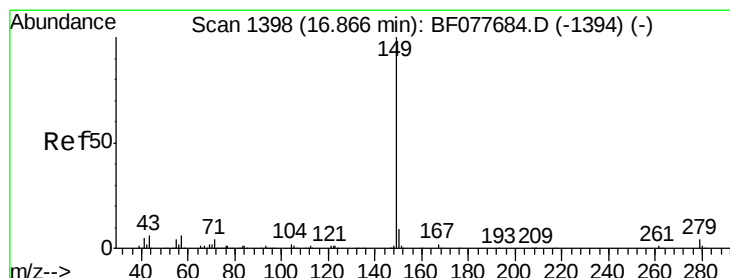
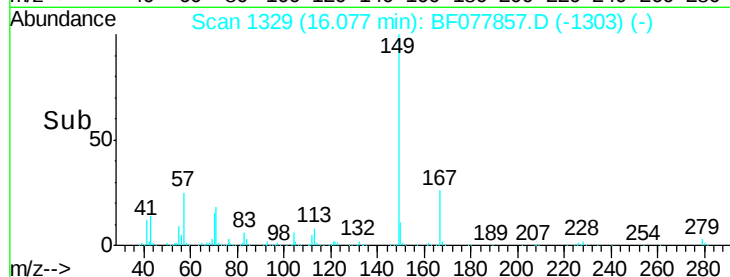
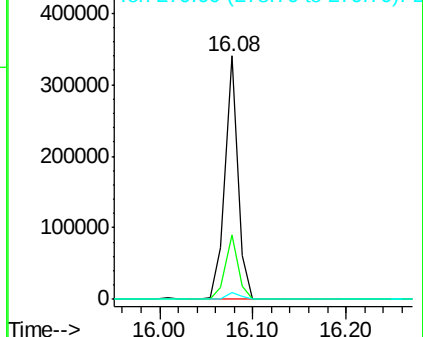
279 2.9 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.29 ng

RT: 16.87 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF077857.D

Acq: 20 Mar 2015 5:45

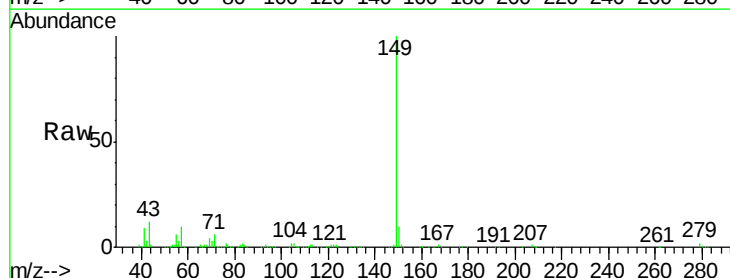
Tgt Ion:149 Resp: 557165

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

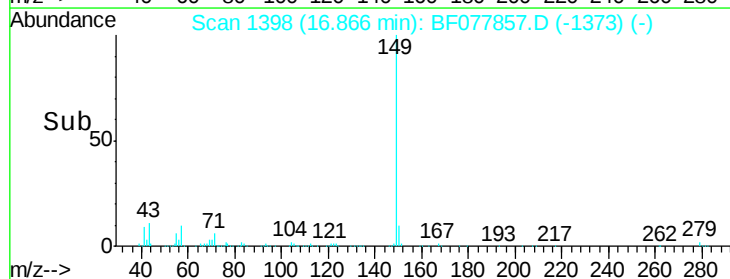
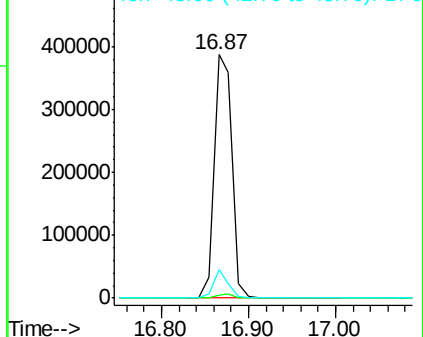
43 9.4 7.3 10.9

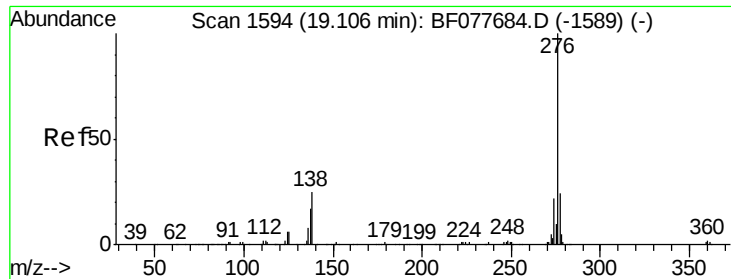


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

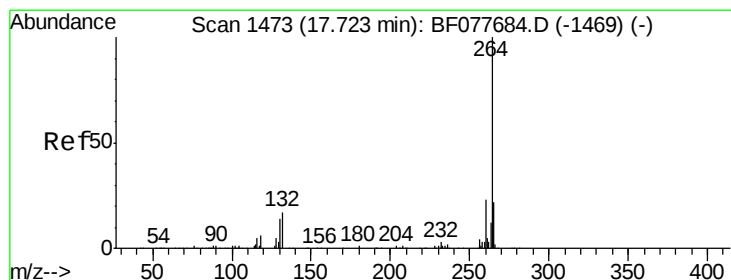
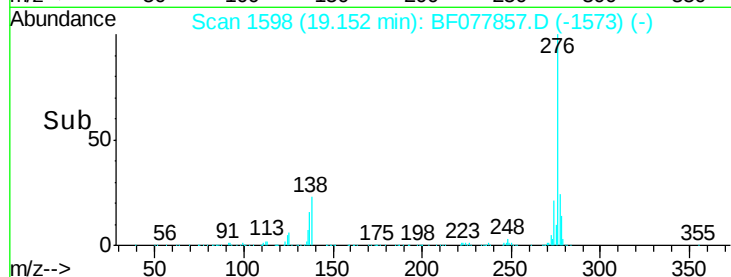
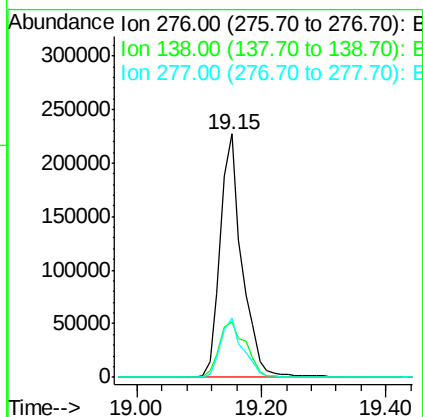
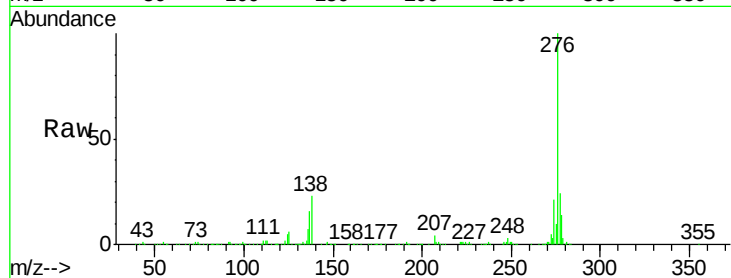




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 46.03 ng  
RT: 19.15 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

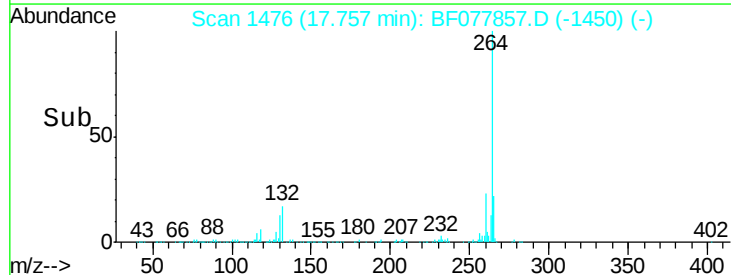
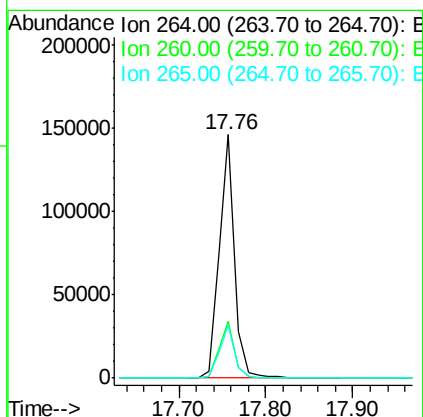
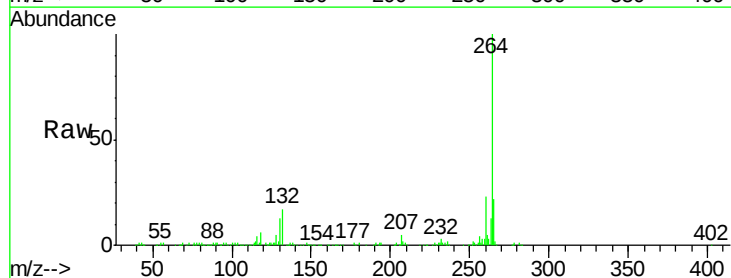
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

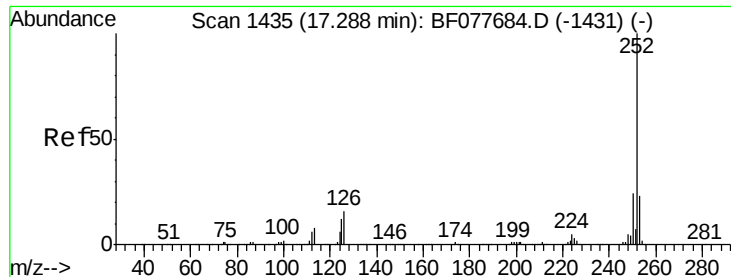
Tgt Ion: 276 Resp: 550208  
Ion Ratio Lower Upper  
276 100  
138 28.3 0.0 0.0#  
277 25.1 0.0 0.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.76 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion: 264 Resp: 179897  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 27.8  
265 21.6 17.3 25.9

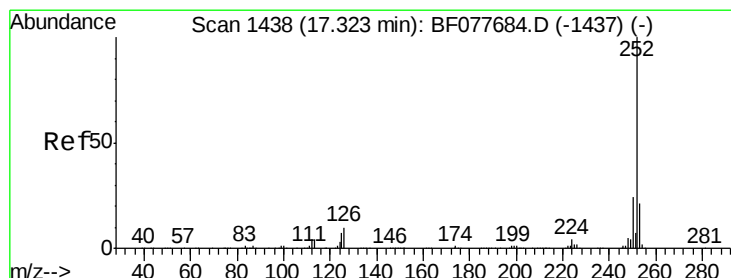
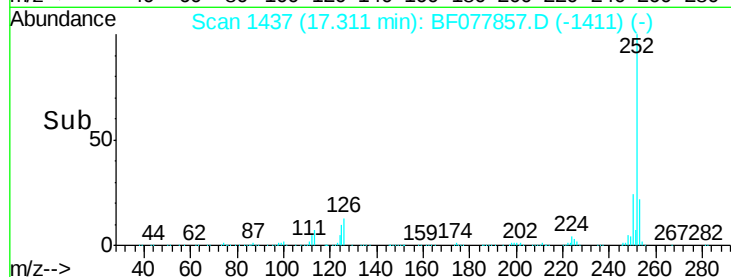
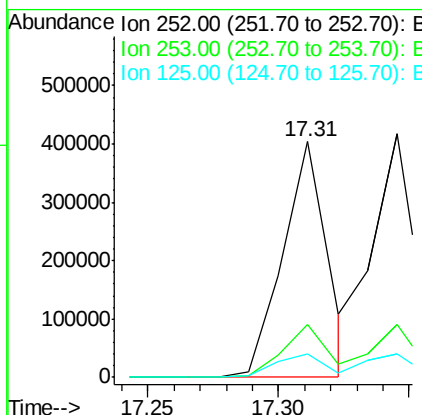
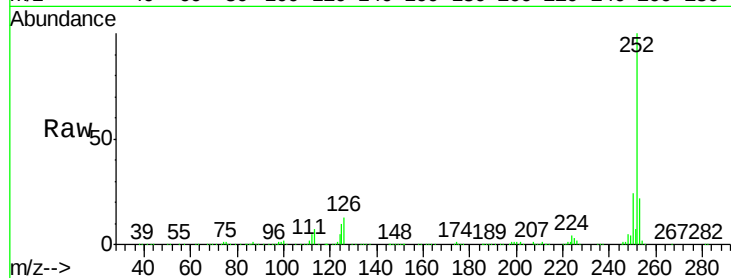




#87  
Benzo(b)fluoranthene  
Concen: 40.63 ng  
RT: 17.31 min Scan# 1437  
Delta R.T. -0.00 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

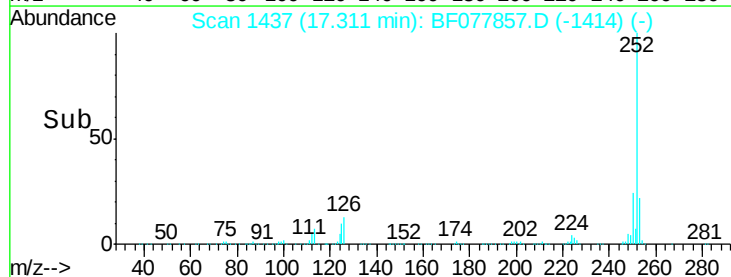
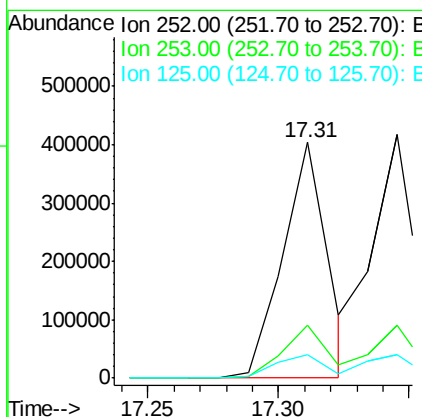
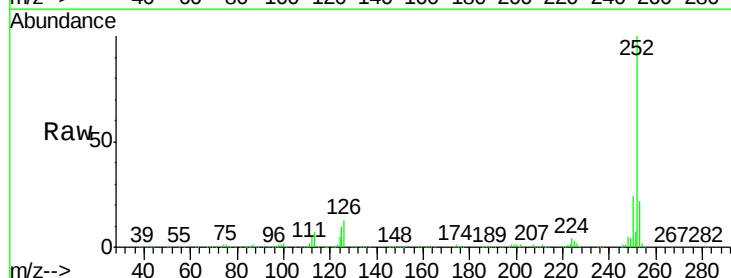
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

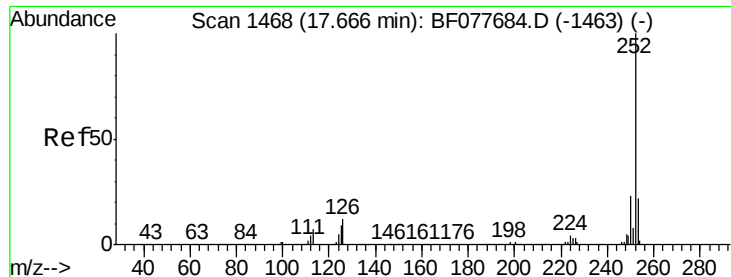
Tgt Ion:252 Resp: 477200  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.0 27.0  
125 10.2 9.9 14.9



#88  
Benzo(k)fluoranthene  
Concen: 52.02 ng  
RT: 17.31 min Scan# 1437  
Delta R.T. -0.03 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion:252 Resp: 477200  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.2 25.8  
125 10.2 8.1 12.1

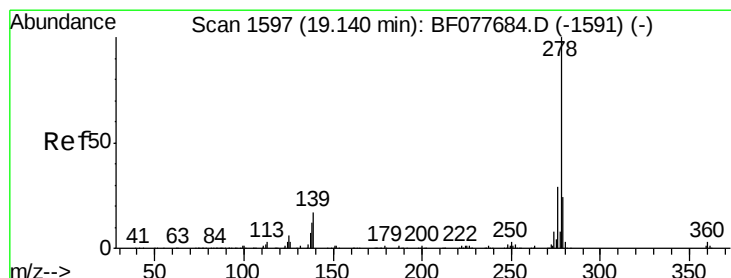
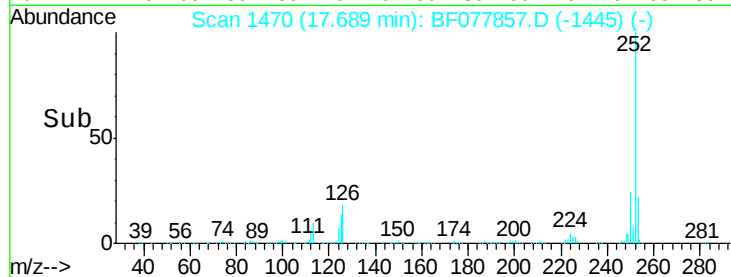
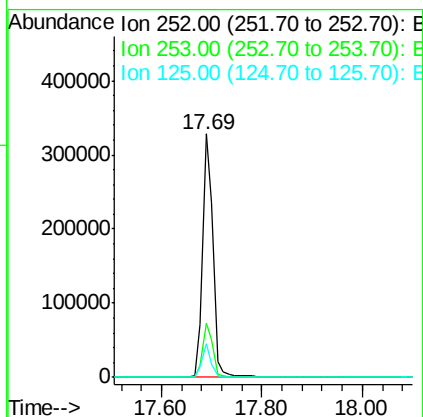
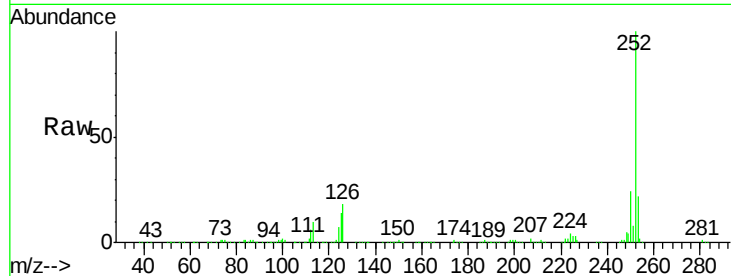




#89  
Benzo(a)pyrene  
Concen: 47.97 ng  
RT: 17.69 min Scan# 1470  
Delta R.T. -0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

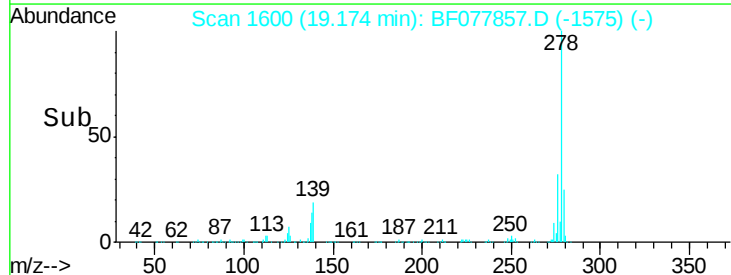
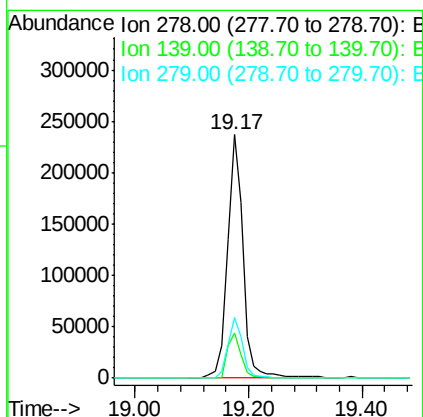
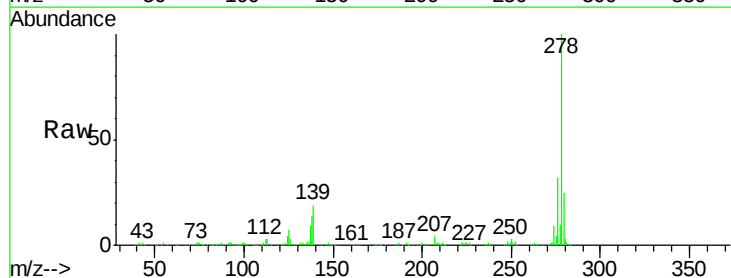
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-015MSD

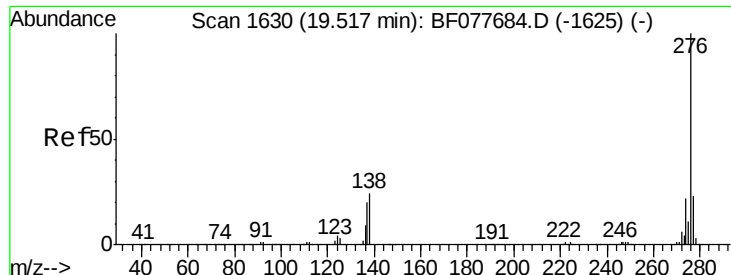
Tgt Ion: 252 Resp: 470103  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.6 26.4  
125 13.9 7.4 11.2#



#90  
Dibenzo(a,h)anthracene  
Concen: 46.96 ng  
RT: 19.17 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: BF077857.D  
Acq: 20 Mar 2015 5:45

Tgt Ion: 278 Resp: 456417  
Ion Ratio Lower Upper  
278 100  
139 18.6 13.4 20.0  
279 24.8 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 46.20 ng

RT: 19.56 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BF077857.D

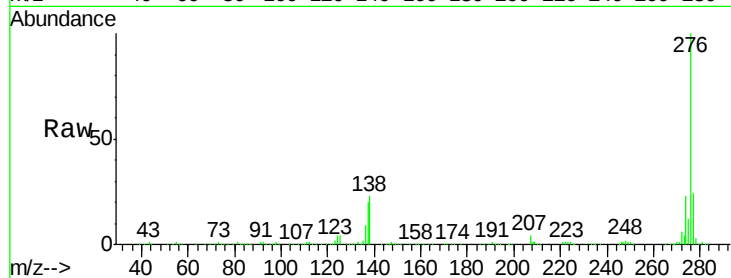
Acq: 20 Mar 2015 5:45

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-015MSD



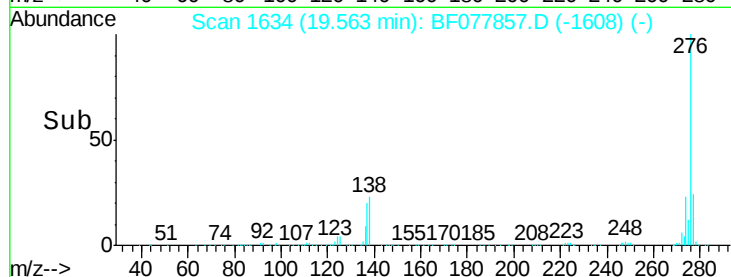
Tgt Ion: 276 Resp: 457106

Ion Ratio Lower Upper

276 100

277 24.0 18.5 27.7

138 23.3 19.0 28.6



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

