

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032315\  
 Data File : BF077892.D  
 Acq On : 23 Mar 2015 13:38  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 24 02:35:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 24 02:23:28 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.12  | 152  | 43491    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.69  | 136  | 173338   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.86 | 164  | 89394    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.71 | 188  | 175782   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.01 | 240  | 194104   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 17.83 | 264  | 186797   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 201272 | 80.78 | ng | 0.00 |
| 7) Phenol-d6             | 6.69  | 99  | 249413 | 81.02 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.81  | 82  | 219303 | 82.93 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.85 | 330 | 64690  | 75.63 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 10.04 | 172 | 454106 | 74.65 | ng | 0.00 |
| 78) Terphenyl-d14        | 14.69 | 244 | 541427 | 68.14 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.98 | 88  | 40271   | 35.60 | ng | # 100  |
| 3) Pyridine                    | 2.66 | 79  | 107492  | 35.37 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.59 | 42  | 48382   | 36.56 | ng | 95     |
| 6) Aniline                     | 6.70 | 93  | 169231  | 38.43 | ng | # 79   |
| 8) 2-Chlorophenol              | 6.85 | 128 | 119639  | 40.34 | ng | 94     |
| 9) Benzaldehyde                | 6.57 | 77  | 57037   | 45.23 | ng | 90     |
| 10) Phenol                     | 6.72 | 94  | 150117  | 41.25 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.82 | 93  | 104962  | 38.51 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.04 | 146 | 128915m | 39.08 | ng |        |
| 13) 1,4-Dichlorobenzene        | 7.14 | 146 | 133527  | 38.96 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.32 | 146 | 126307  | 40.20 | ng | 96     |
| 15) Benzyl Alcohol             | 7.31 | 79  | 98144   | 40.84 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.48 | 45  | 142835  | 38.89 | ng | 97     |
| 17) 2-Methylphenol             | 7.46 | 107 | 92571   | 38.34 | ng | 95     |
| 18) Hexachloroethane           | 7.73 | 117 | 44126   | 39.25 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 7.64 | 70  | 83183   | 39.06 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.65 | 107 | 125310  | 39.55 | ng | 96     |
| 22) Acetophenone               | 7.63 | 105 | 161445  | 42.07 | ng | # 96   |
| 24) Nitrobenzene               | 7.84 | 77  | 120016  | 42.13 | ng | 94     |
| 25) Isophorone                 | 8.13 | 82  | 207591  | 38.87 | ng | # 91   |
| 26) 2-Nitrophenol              | 8.24 | 139 | 55978   | 40.14 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 8.30 | 122 | 104482  | 41.12 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.42 | 93  | 129177  | 39.85 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.53 | 162 | 100283  | 41.41 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.62 | 180 | 105085  | 38.78 | ng | 96     |
| 31) Naphthalene                | 8.73 | 128 | 360002  | 40.44 | ng | 98     |
| 32) Benzoic acid               | 8.42 | 122 | 59997   | 42.70 | ng | 99     |
| 33) 4-Chloroaniline            | 8.81 | 127 | 146040  | 40.42 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.88 | 225 | 59294   | 38.60 | ng | 97     |
| 35) Caprolactam                | 9.23 | 113 | 31635   | 44.69 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 9.41 | 107 | 100581  | 41.27 | ng | # 81   |
| 37) 2-Methylnaphthalene        | 9.58 | 142 | 240329  | 40.18 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.79 | 216 | 99315   | 37.25 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.77 | 237 | 44045   | 34.86 | ng | 96     |

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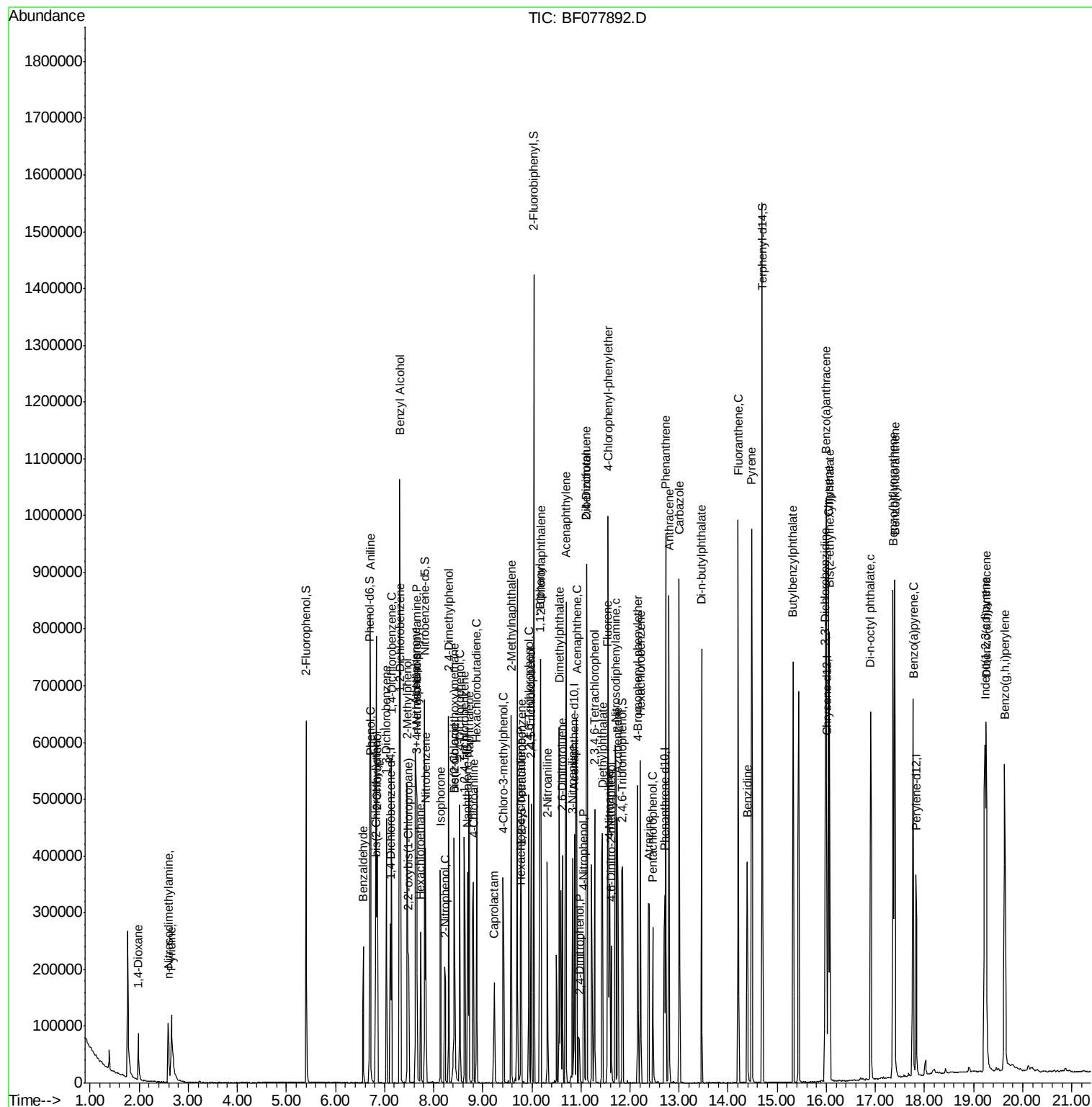
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.94  | 196  | 74491    | 40.33 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.98  | 196  | 78958    | 39.57 | nq    | # 91     |
| 45) 1,1'-Biphenyl              | 10.17 | 154  | 276252   | 38.66 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.18 | 162  | 224438   | 38.65 | nq    | # 92     |
| 47) 2-Nitroaniline             | 10.32 | 65   | 60283    | 41.80 | nq    | 91       |
| 48) Acenaphthylene             | 10.69 | 152  | 380199   | 39.37 | nq    | 100      |
| 49) Dimethylphthalate          | 10.56 | 163  | 255112   | 38.48 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.62 | 165  | 54166    | 39.41 | nq    | 90       |
| 51) Acenaphthene               | 10.91 | 154  | 213001   | 38.47 | nq    | 99       |
| 52) 3-Nitroaniline             | 10.83 | 138  | 67106    | 42.04 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 10.97 | 184  | 17116    | 38.54 | nq    | # 72     |
| 54) Dibenzofuran               | 11.12 | 168  | 314002   | 38.24 | nq    | 92       |
| 55) 4-Nitrophenol              | 11.06 | 139  | 50438    | 42.66 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 11.12 | 165  | 73016    | 40.74 | nq    | # 84     |
| 57) Fluorene                   | 11.54 | 166  | 266478   | 39.08 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.28 | 232  | 60625    | 39.46 | nq    | # 100    |
| 59) Diethylphthalate           | 11.44 | 149  | 252817   | 39.13 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.55 | 204  | 112480   | 36.14 | nq    | # 82     |
| 61) 4-Nitroaniline             | 11.58 | 138  | 69307    | 43.57 | nq    | 85       |
| 62) Azobenzene                 | 11.74 | 77   | 238326   | 38.60 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 11.62 | 198  | 30990    | 38.29 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 11.71 | 169  | 224774   | 38.40 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 12.16 | 248  | 69601    | 37.10 | nq    | # 83     |
| 67) Hexachlorobenzene          | 12.21 | 284  | 77066    | 37.39 | nq    | # 88     |
| 68) Atrazine                   | 12.39 | 200  | 60201    | 36.70 | nq    | 99       |
| 69) Pentachlorophenol          | 12.47 | 266  | 35576    | 34.77 | nq    | 98       |
| 70) Phenanthrene               | 12.73 | 178  | 394973   | 39.14 | nq    | 99       |
| 71) Anthracene                 | 12.80 | 178  | 403586   | 40.48 | nq    | 99       |
| 72) Carbazole                  | 13.00 | 167  | 380075   | 40.08 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.46 | 149  | 403828   | 37.98 | nq    | 99       |
| 74) Fluoranthene               | 14.20 | 202  | 434264   | 39.02 | nq    | 97       |
| 76) Benzidine                  | 14.39 | 184  | 183985   | 38.30 | nq    | 98       |
| 77) Pyrene                     | 14.48 | 202  | 449868   | 36.86 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.32 | 149  | 181971   | 37.81 | nq    | 92       |
| 80) Benzo(a)anthracene         | 16.00 | 228  | 450482   | 39.15 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 15.97 | 252  | 150340   | 39.61 | nq    | 99       |
| 82) Chrysene                   | 16.04 | 228  | 417084   | 40.31 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.07 | 149  | 260600   | 35.75 | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 16.90 | 149  | 440630   | 35.35 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.23 | 276  | 518979   | 40.19 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 17.36 | 252  | 489467   | 40.14 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 17.39 | 252  | 383315m  | 40.24 | nq    |          |
| 89) Benzo(a)pyrene             | 17.77 | 252  | 426032   | 41.87 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 19.25 | 278  | 423260   | 41.94 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.63 | 276  | 424781   | 41.34 | nq    | 98       |

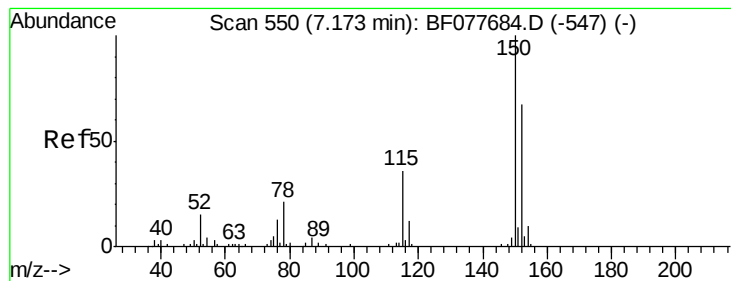
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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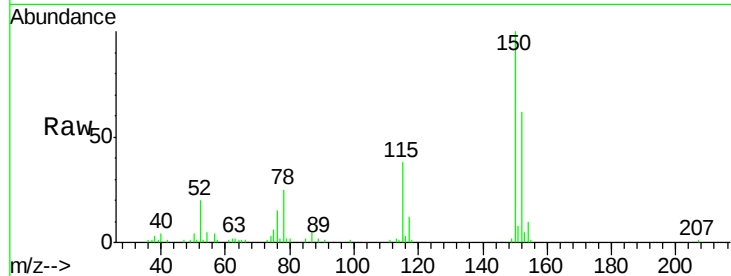


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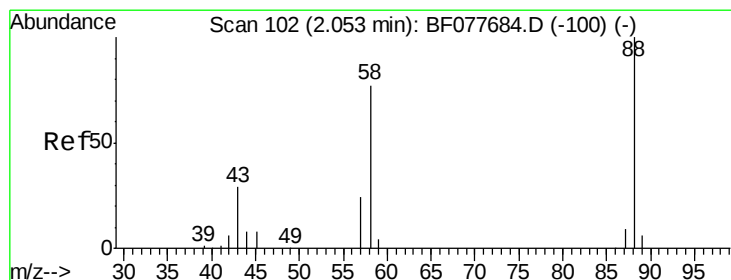
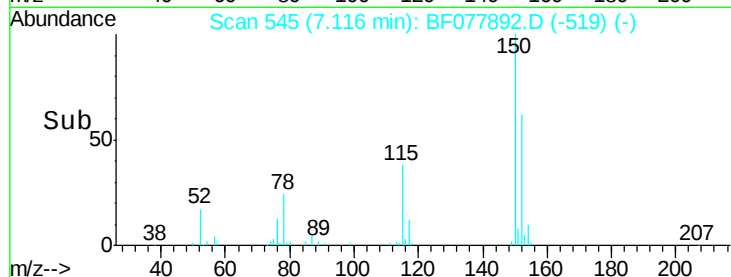
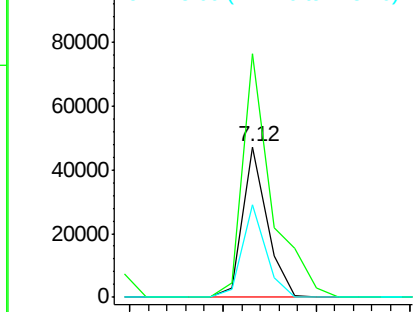
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.12 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:152 Resp: 43491  
Ion Ratio Lower Upper  
152 100  
150 162.1 119.5 179.3  
115 61.9 43.0 64.4



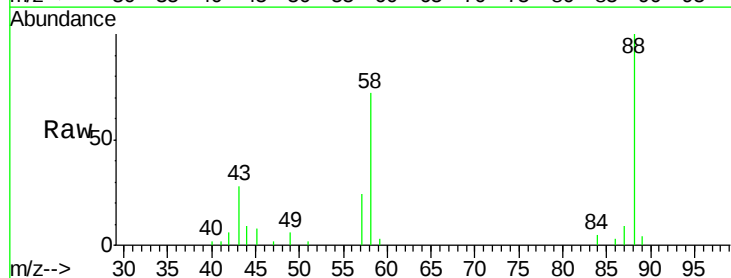
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



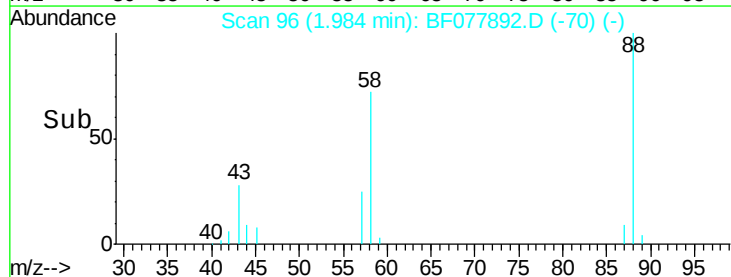
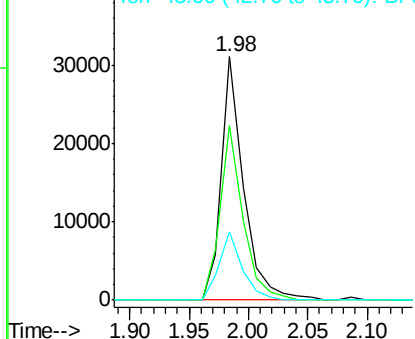
#2

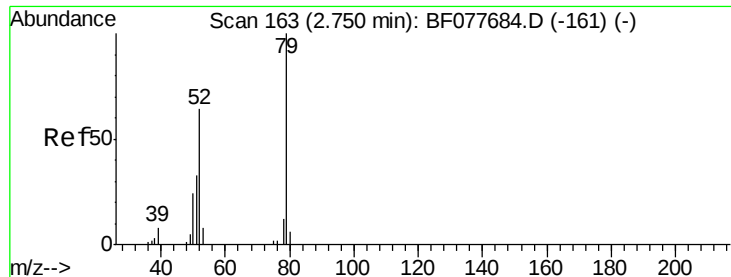
1,4-Dioxane  
Concen: 35.60 ng  
RT: 1.98 min Scan# 96  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion: 88 Resp: 40271  
Ion Ratio Lower Upper  
88 100  
58 73.3 0.0 0.0#  
43 29.1 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

Pvridine

Concen: 35.37 ng

RT: 2.66 min Scan# 155

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

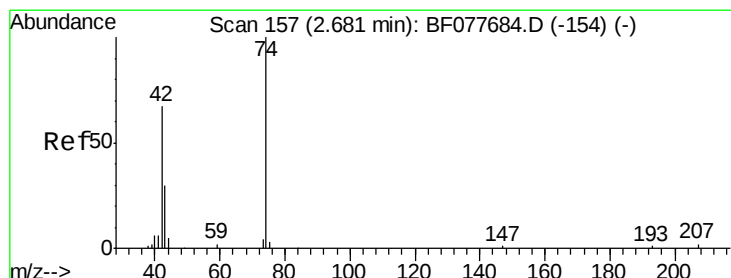
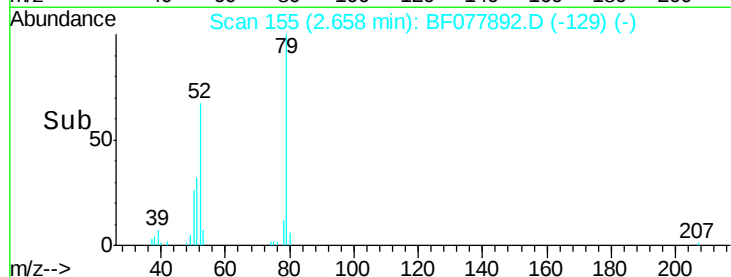
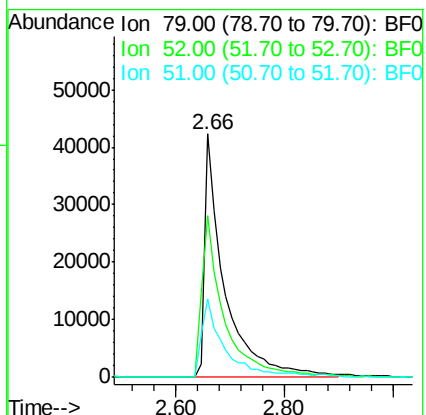
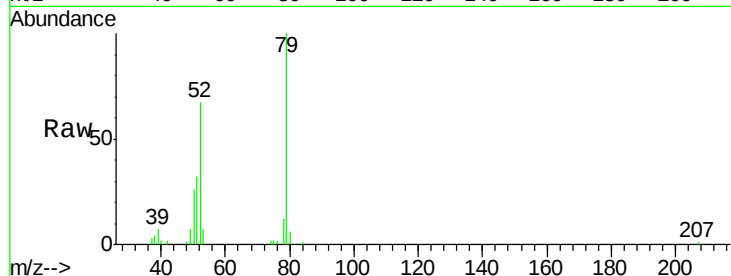
Tot Ion: 79 Resp: 107492

Ion Ratio Lower Upper

79 100

52 66.6 51.1 76.7

51 32.4 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 36.56 ng

RT: 2.59 min Scan# 149

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

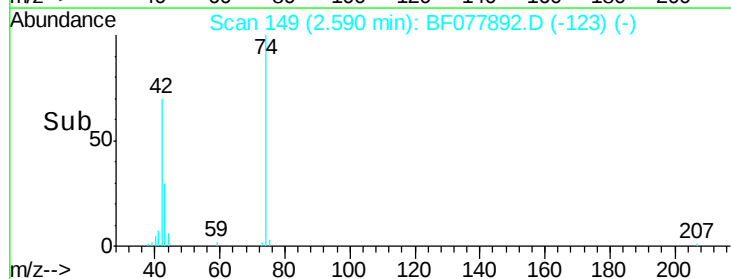
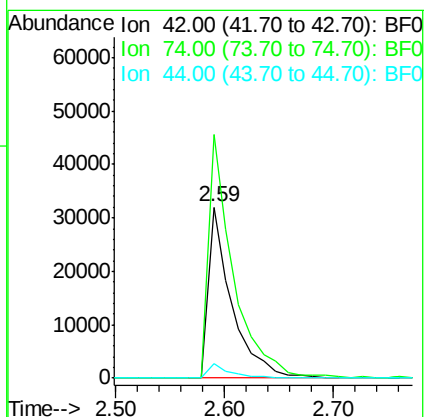
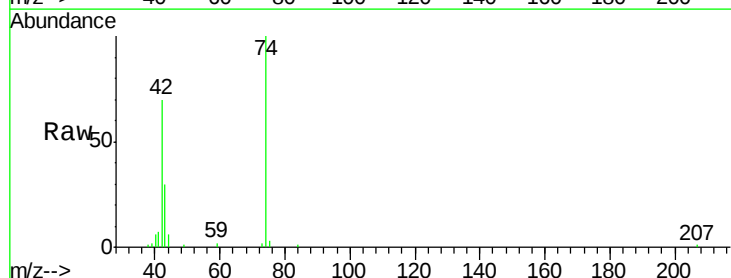
Tgt Ion: 42 Resp: 48382

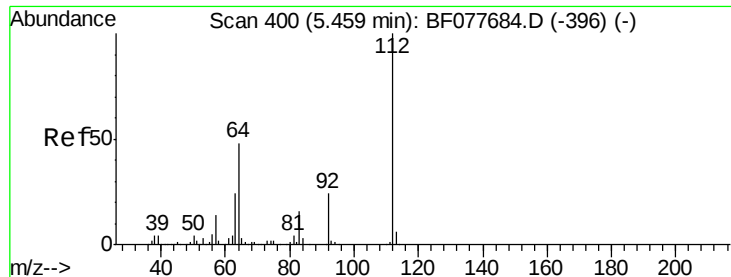
Ion Ratio Lower Upper

42 100

74 142.3 119.3 178.9

44 8.1 5.4 8.2





#5

2-Fluorophenol

Concen: 80.78 ng

RT: 5.40 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

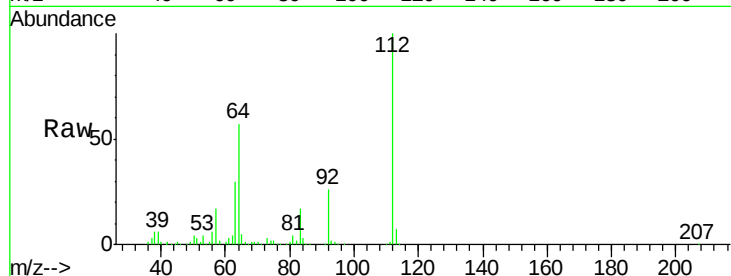
Tot Ion:112 Resp: 201272

Ion Ratio Lower Upper

112 100

64 57.0 38.6 57.8

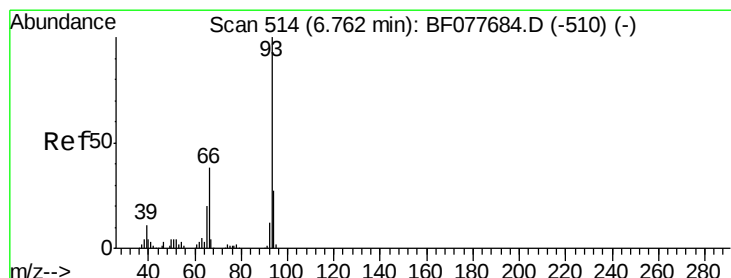
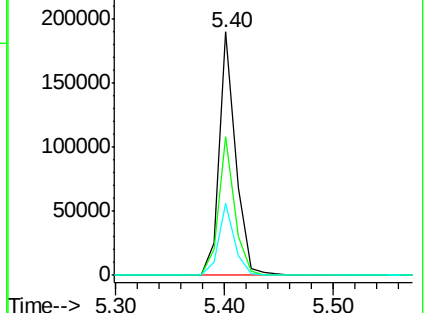
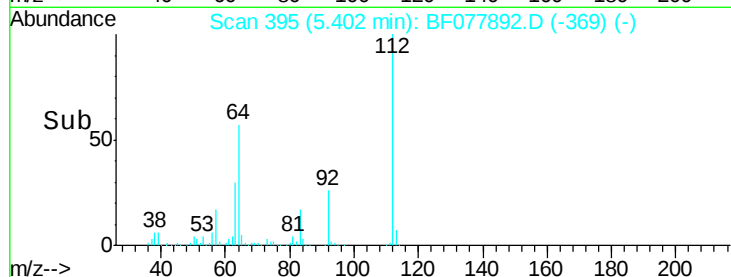
63 29.7 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 38.43 ng

RT: 6.70 min Scan# 509

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

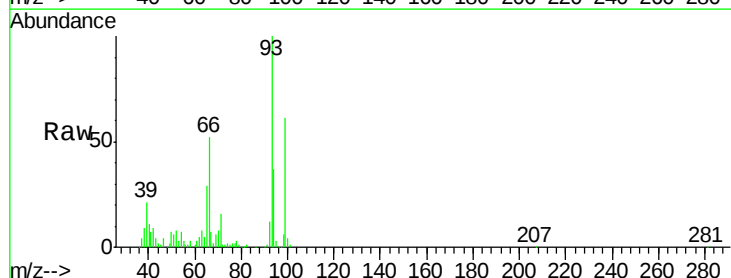
Tgt Ion: 93 Resp: 169231

Ion Ratio Lower Upper

93 100

66 52.4 30.8 46.2#

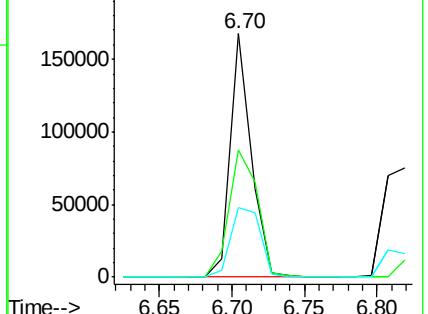
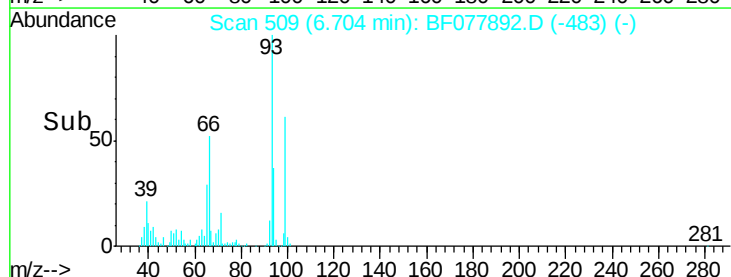
65 28.5 16.0 24.0#

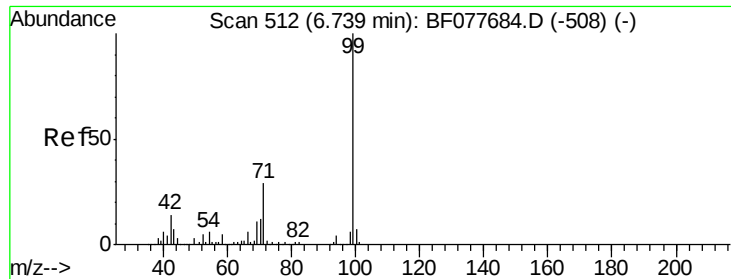


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 81.02 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

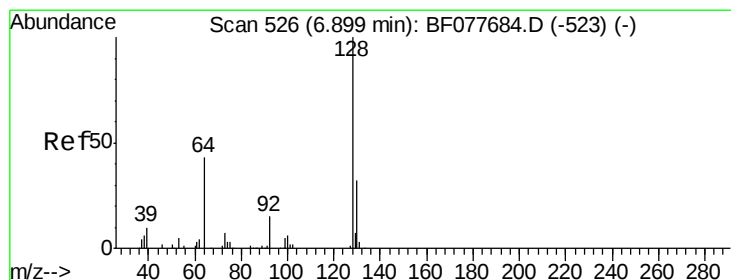
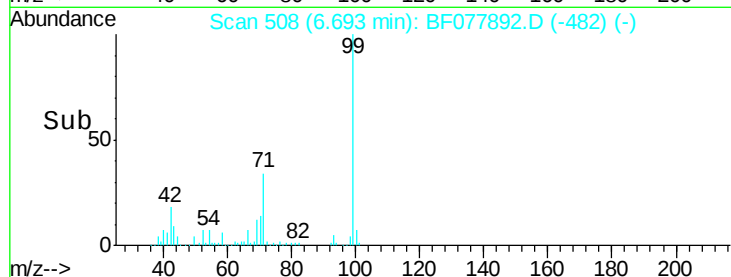
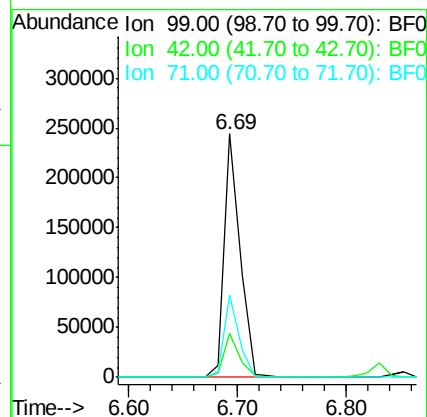
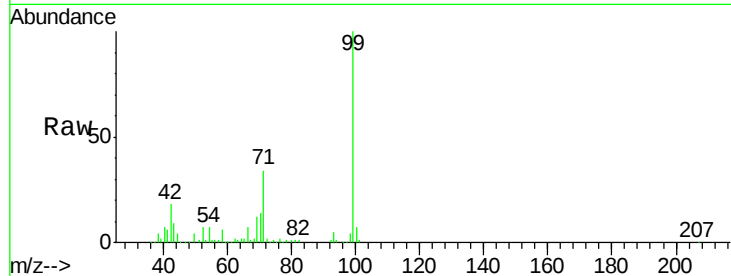
Tot Ion: 99 Resp: 249413

Ion Ratio Lower Upper

99 100

42 18.0 11.0 16.4#

71 33.7 23.4 35.2



#8

2-Chlorophenol

Concen: 40.34 ng

RT: 6.85 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

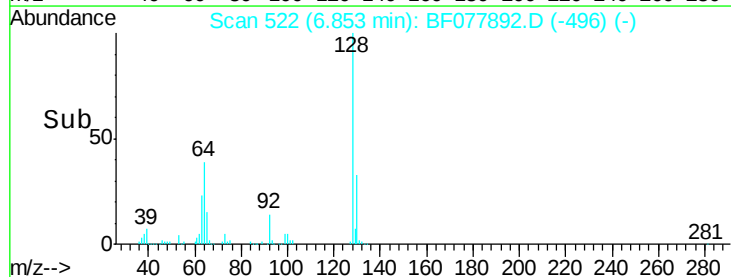
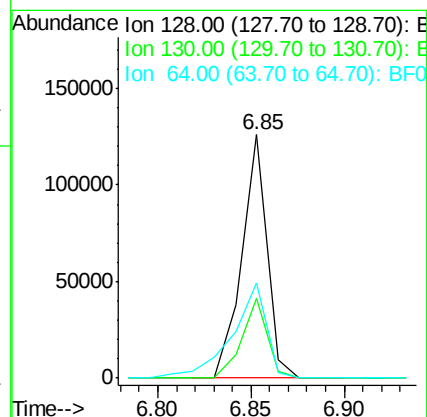
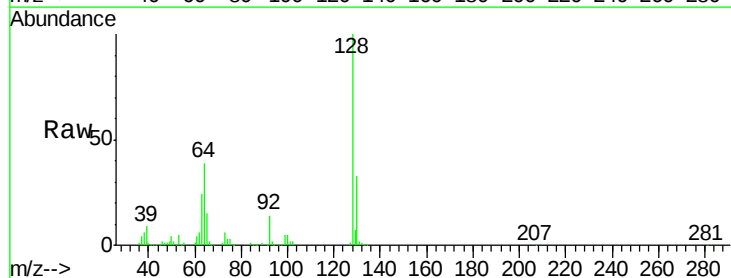
Tgt Ion: 128 Resp: 119639

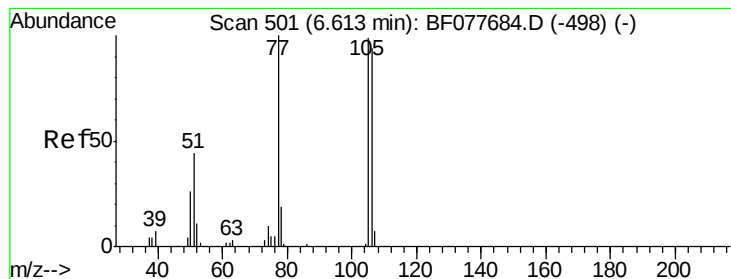
Ion Ratio Lower Upper

128 100

130 32.7 12.0 52.0

64 38.9 24.9 64.9





#9

Benzaldehyde

Concen: 45.23 ng

RT: 6.57 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

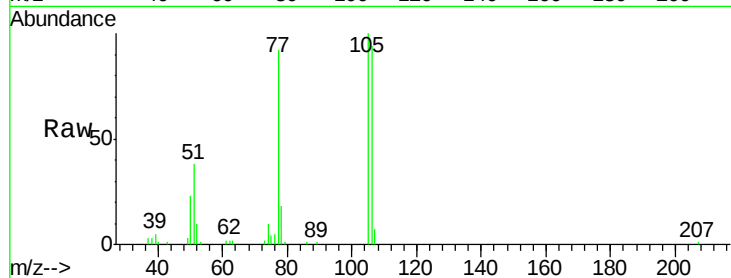
Tot Ion: 77 Resp: 57037

Ion Ratio Lower Upper

77 100

105 109.3 78.8 118.8

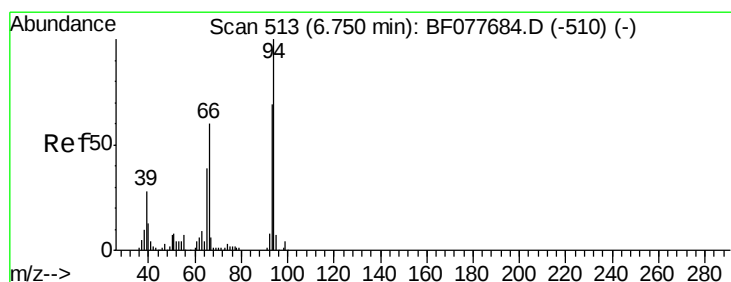
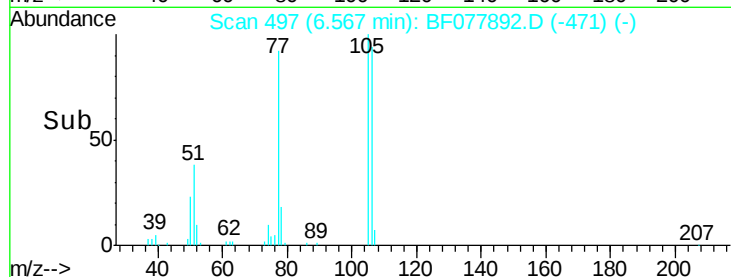
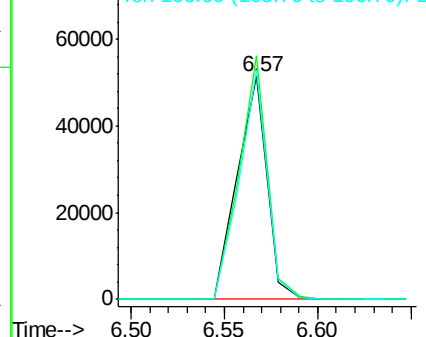
106 103.0 73.7 113.7



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: 41.25 ng

RT: 6.72 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

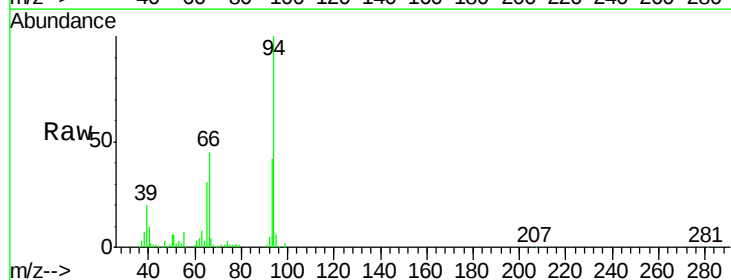
Tgt Ion: 94 Resp: 150117

Ion Ratio Lower Upper

94 100

65 30.6 18.8 58.8

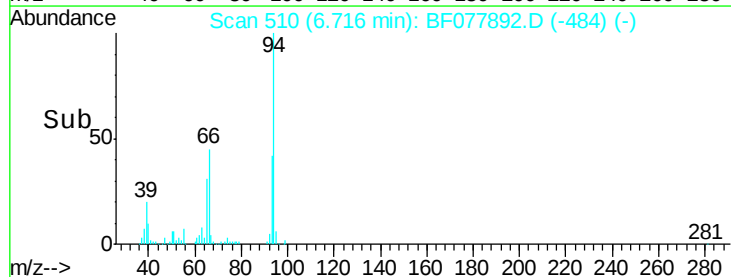
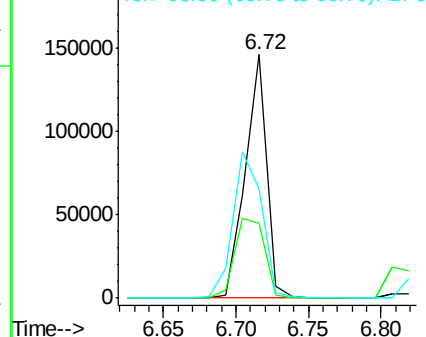
66 44.9 39.9 79.9

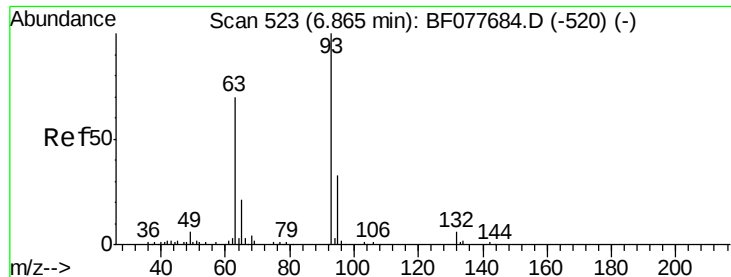


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

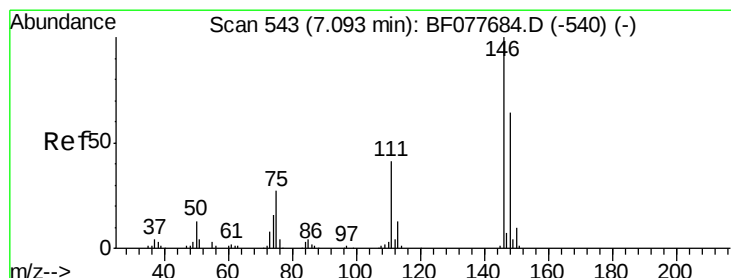
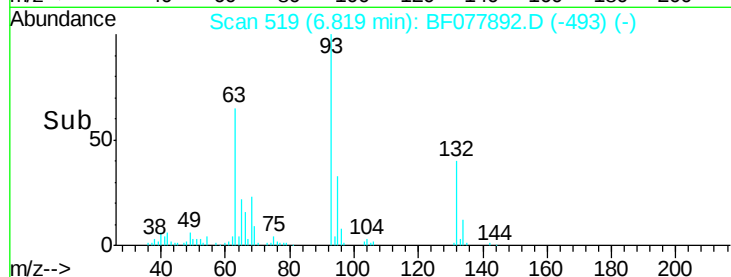
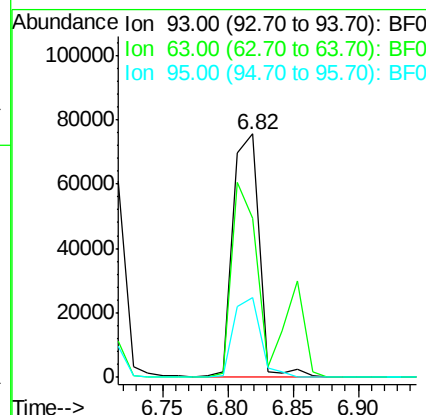
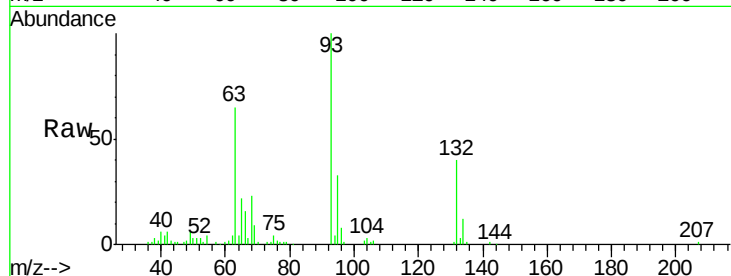




#11  
bis(2-Chloroethyl)ether  
Concen: 38.51 ng  
RT: 6.82 min Scan# 519  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

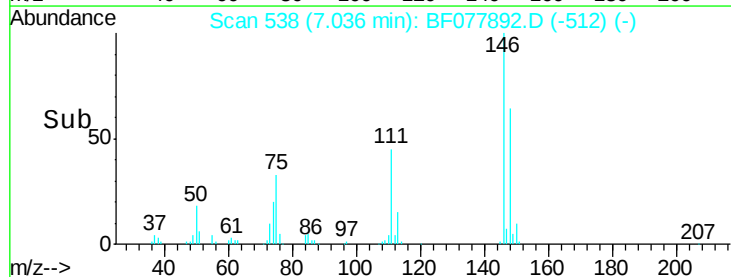
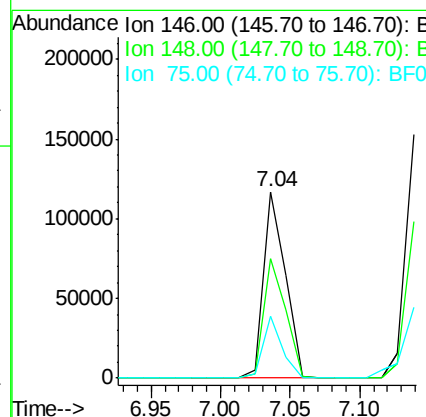
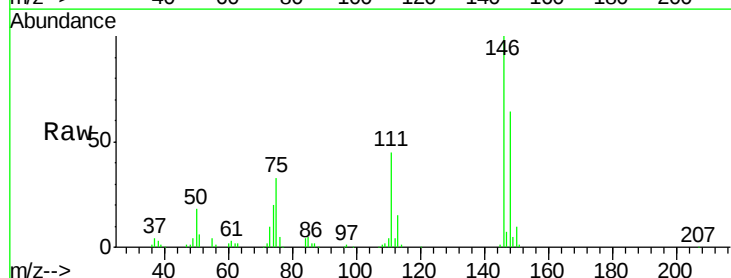
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

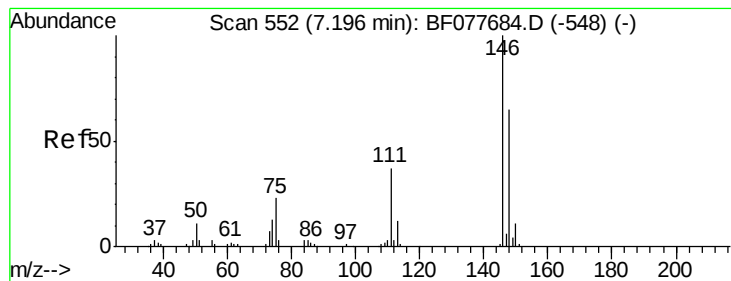
Tot Ion: 93 Resp: 104962  
Ion Ratio Lower Upper  
93 100  
63 65.3 49.5 89.5  
95 33.0 13.5 53.5



#12  
1,3-Dichlorobenzene  
Concen: 39.08 ng m  
RT: 7.04 min Scan# 538  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion: 146 Resp: 128915  
Ion Ratio Lower Upper  
146 100  
148 64.0 50.9 76.3  
75 33.4 21.4 32.2#





#13

1,4-Dichlorobenzene

Concen: 38.96 ng

RT: 7.14 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

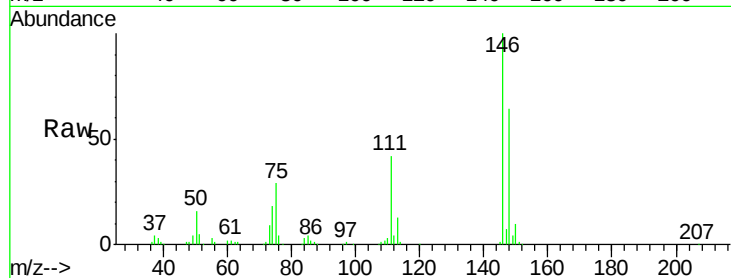
Tot Ion:146 Resp: 133527

Ion Ratio Lower Upper

146 100

148 64.4 51.9 77.9

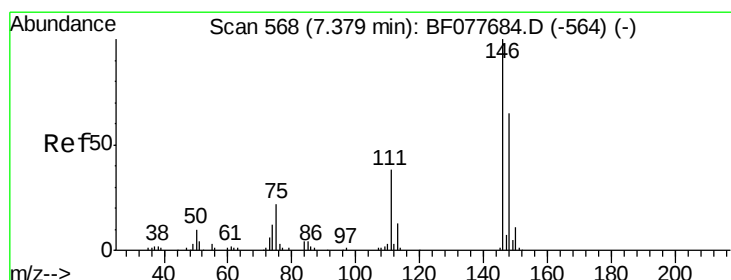
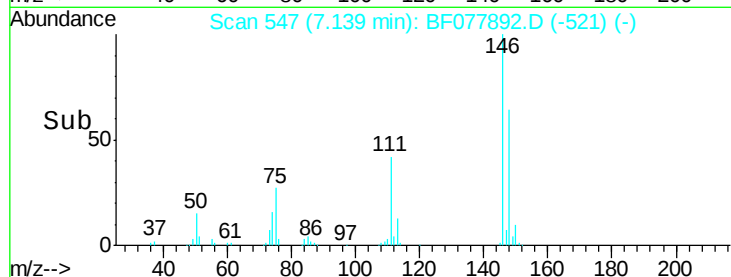
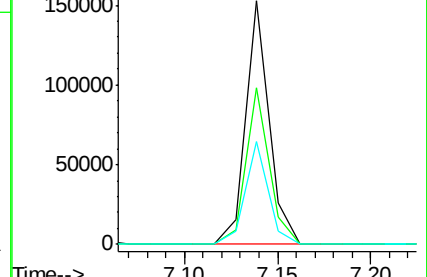
111 42.0 29.2 43.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.20 ng

RT: 7.32 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

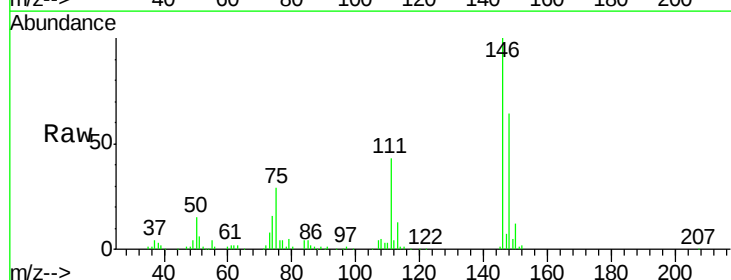
Tgt Ion:146 Resp: 126307

Ion Ratio Lower Upper

146 100

148 64.0 52.3 78.5

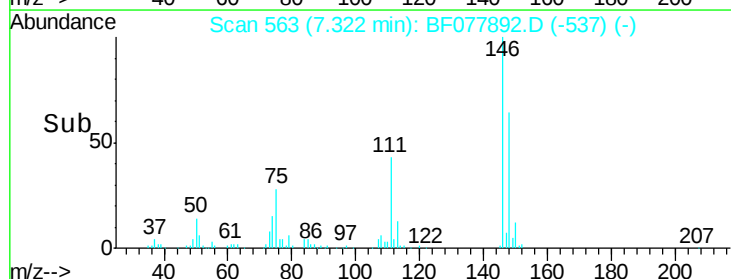
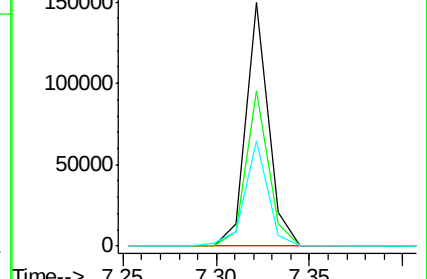
111 43.4 30.6 45.8

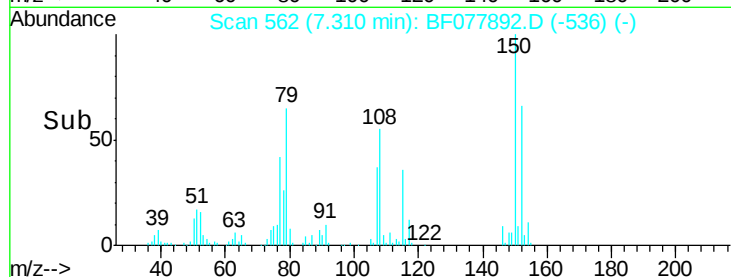
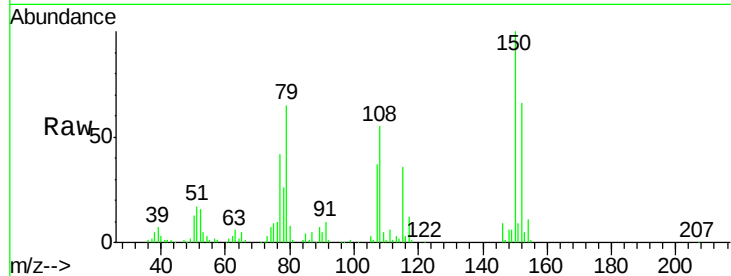
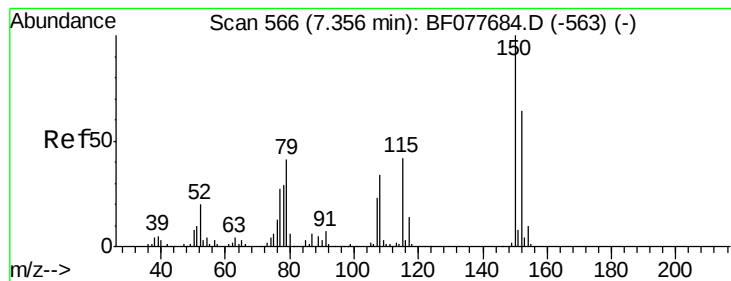


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.84 ng

RT: 7.31 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

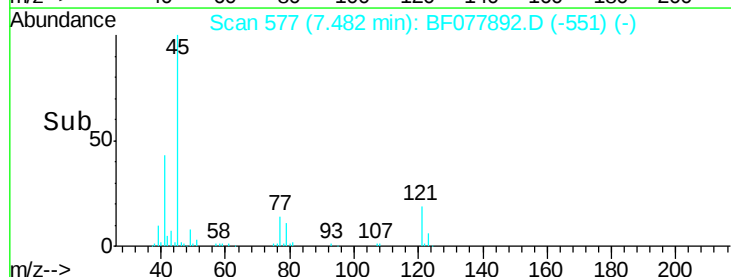
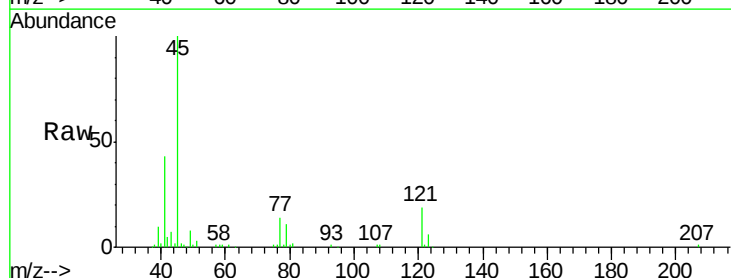
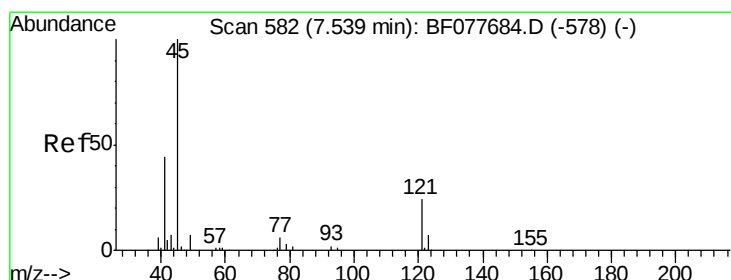
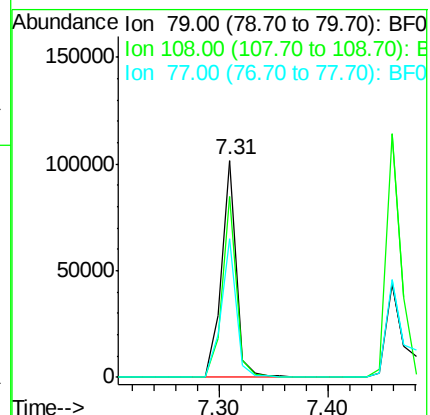
Tot Ion: 79 Resp: 98144

Ion Ratio Lower Upper

79 100

108 83.5 65.0 97.4

77 63.8 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.89 ng

RT: 7.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

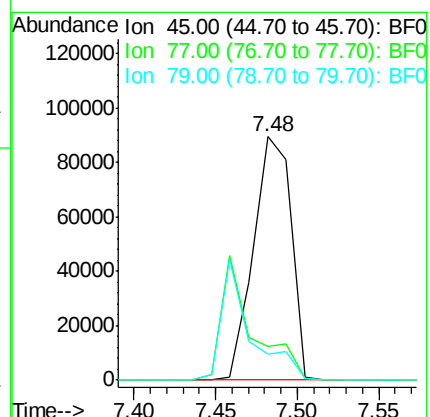
Tgt Ion: 45 Resp: 142835

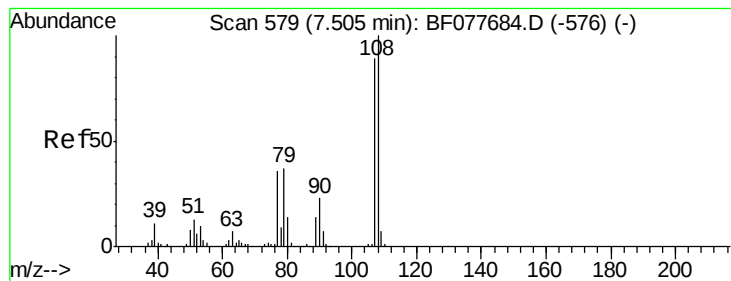
Ion Ratio Lower Upper

45 100

77 14.0 0.0 35.2

79 10.6 0.0 32.0

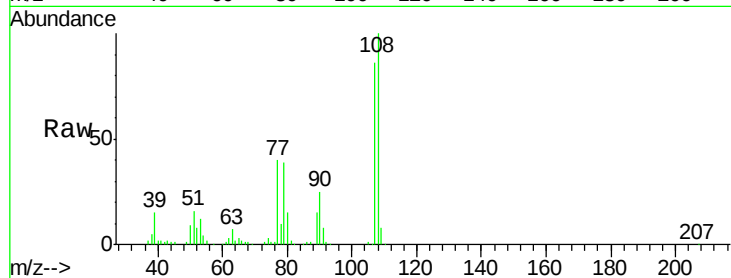




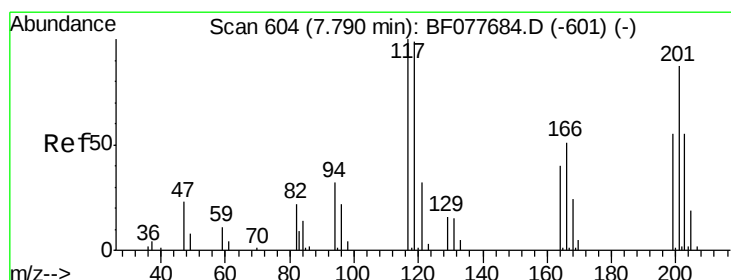
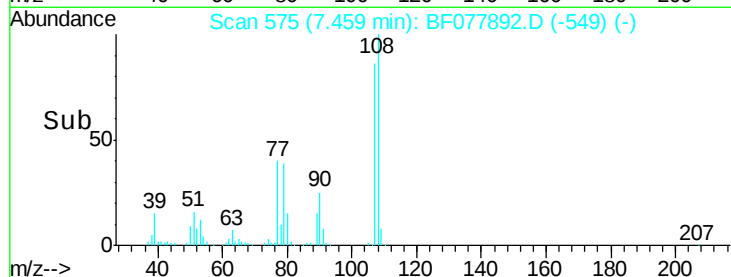
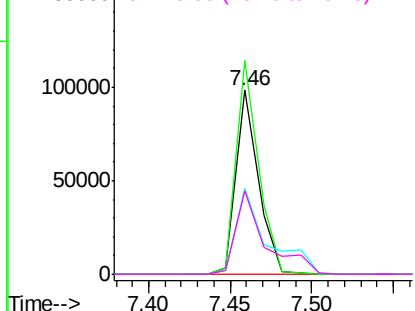
#17  
2-Methylphenol  
Concen: 38.34 ng  
RT: 7.46 min Scan# 575  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:107 Resp: 92571  
Ion Ratio Lower Upper  
107 100  
108 116.2 89.8 134.8  
77 46.3 32.6 48.8  
79 44.9 32.8 49.2

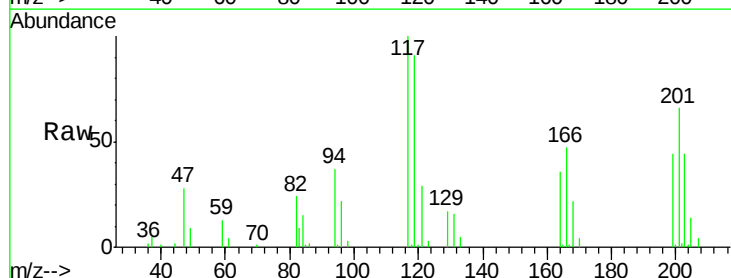


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

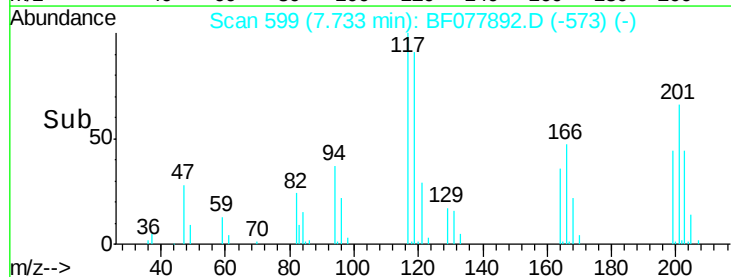
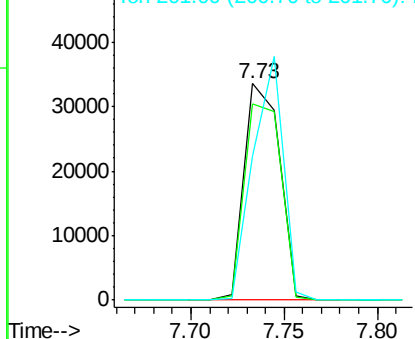


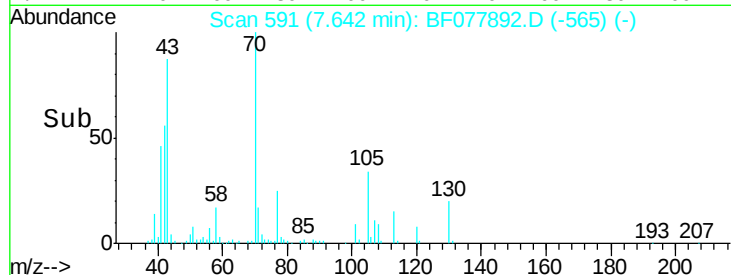
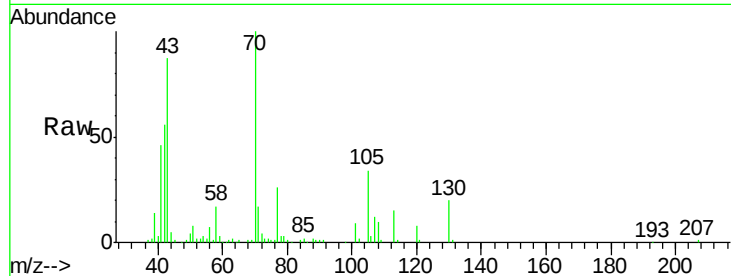
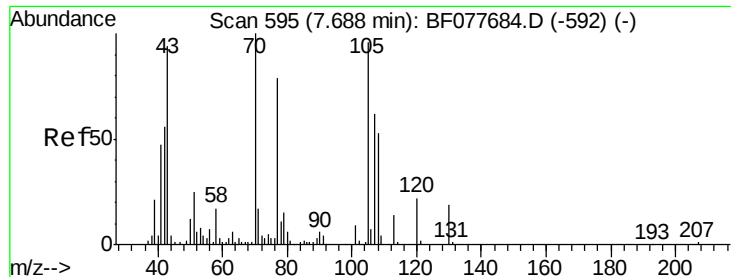
#18  
Hexachloroethane  
Concen: 39.25 ng  
RT: 7.73 min Scan# 599  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:117 Resp: 44126  
Ion Ratio Lower Upper  
117 100  
119 90.8 79.2 118.8  
201 66.4 69.8 104.6#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

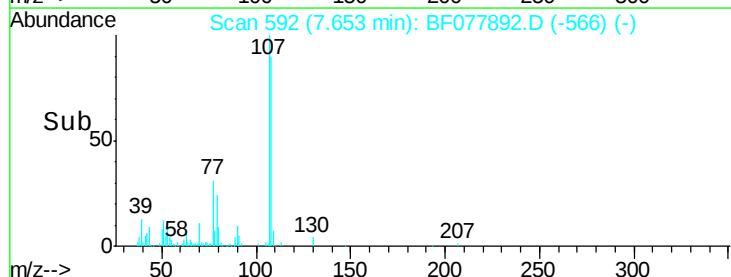
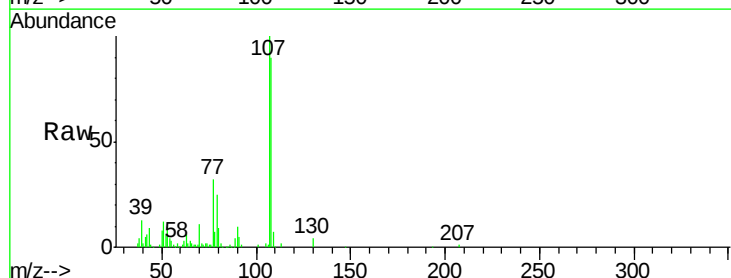
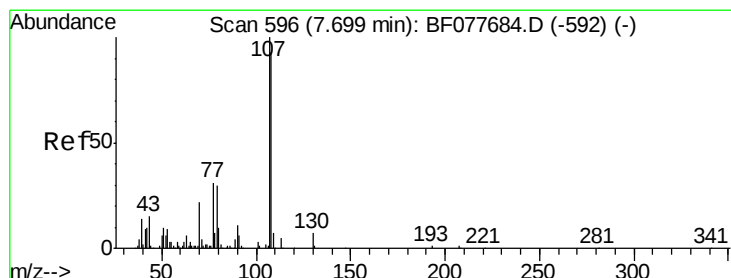
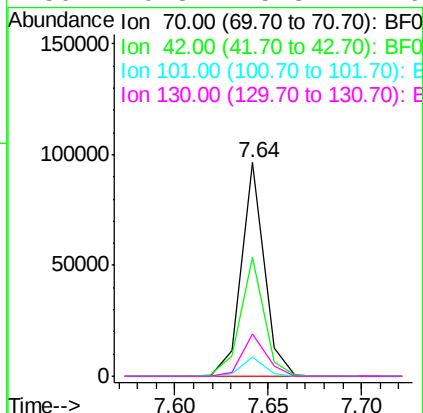




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.06 ng  
RT: 7.64 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

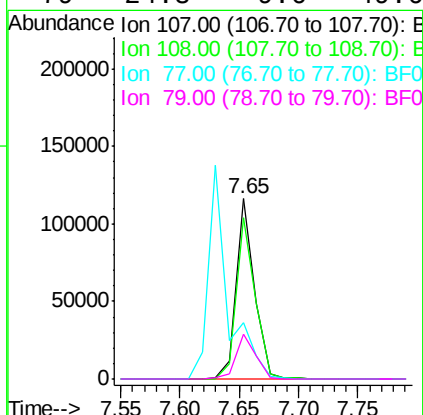
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

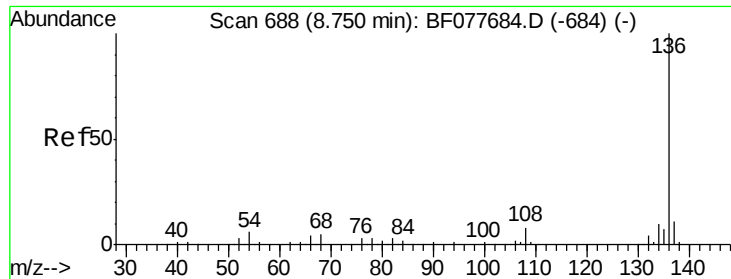
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 83183 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.6  | 44.5  | 66.7  |
| 101      | 8.8   | 7.4   | 11.2  |
| 130      | 19.8  | 15.3  | 22.9  |



#20  
3+4-Methylphenols  
Concen: 39.55 ng  
RT: 7.65 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 125310 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.6  | 73.2  | 113.2  |
| 77       | 31.7  | 10.7  | 50.7   |
| 79       | 24.8  | 9.6   | 49.6   |

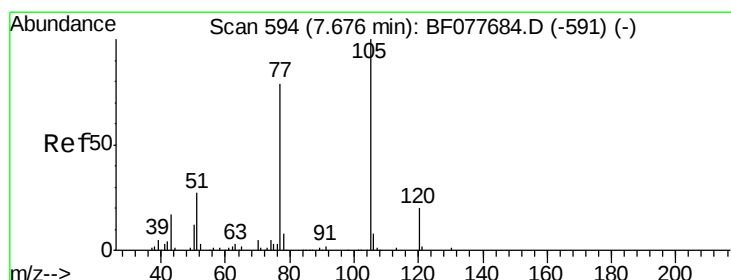
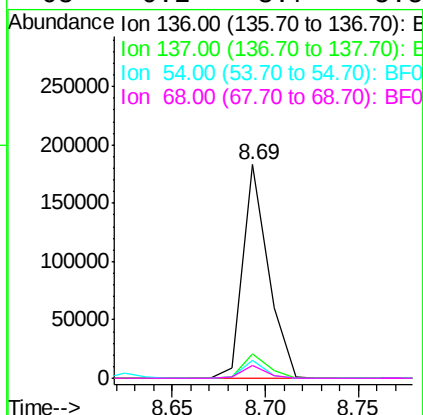
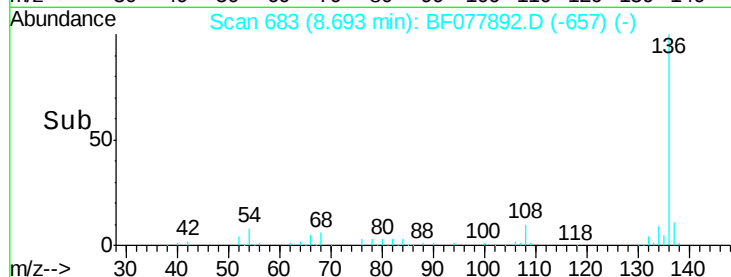
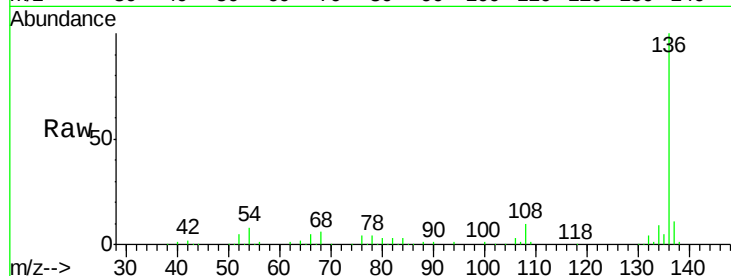




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.69 min Scan# 683  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

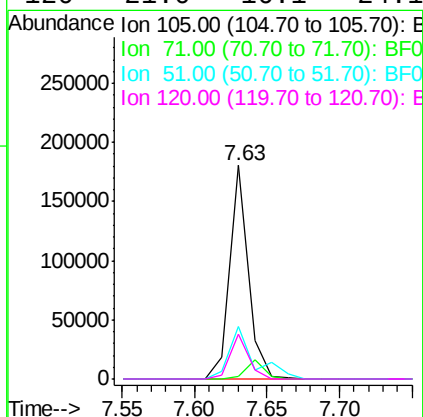
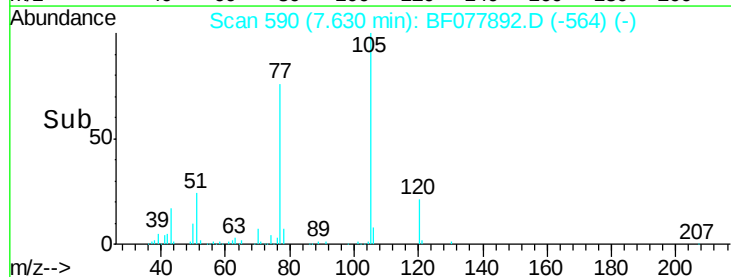
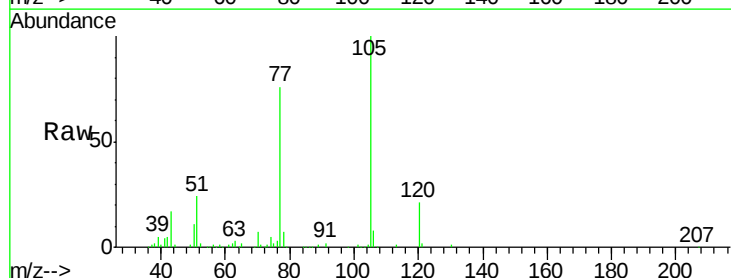
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

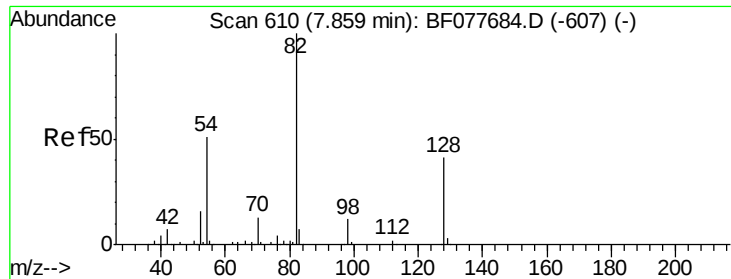
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 173338   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.5  | 8.7 13.1 |
| 54          | 8.2   | 4.6 6.8# |
| 68          | 6.2   | 3.7 5.5# |



#22  
Acetophenone  
Concen: 42.07 ng  
RT: 7.63 min Scan# 590  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 161445    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.1   | 0.6 1.0#  |
| 51          | 24.5  | 21.6 32.4 |
| 120         | 21.0  | 16.1 24.1 |

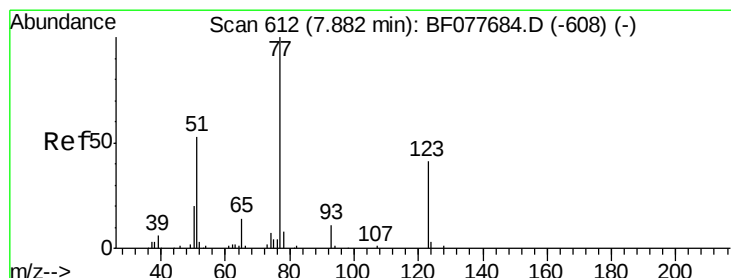
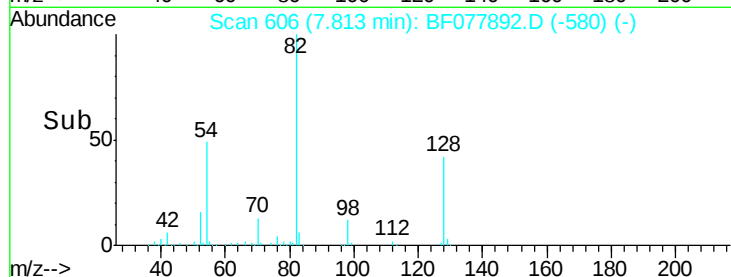
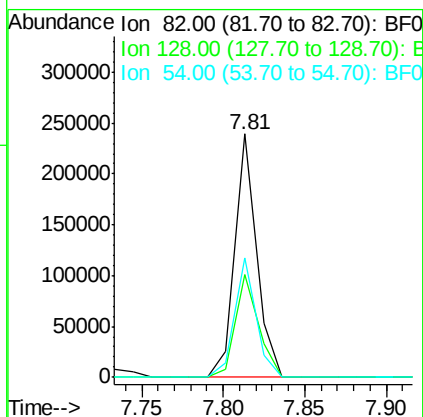
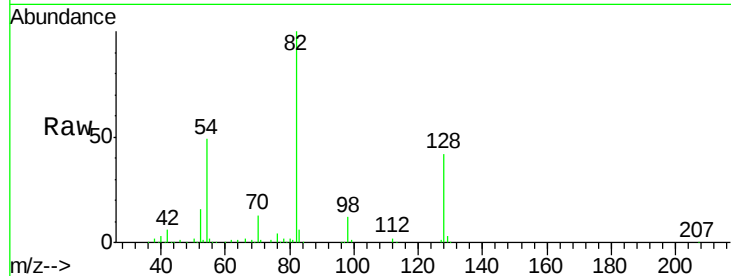




#23  
 Nitrobenzene-d5  
 Concen: 82.93 ng  
 RT: 7.81 min Scan# 606  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

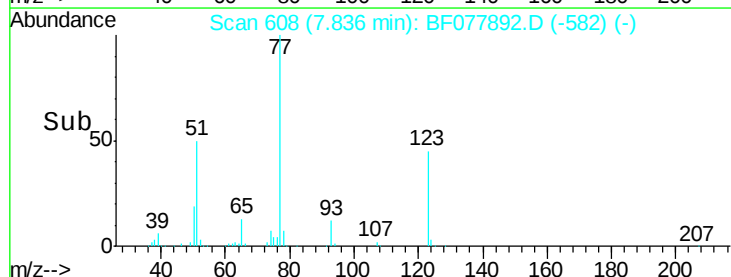
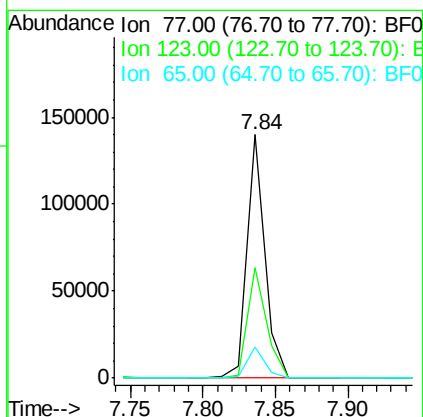
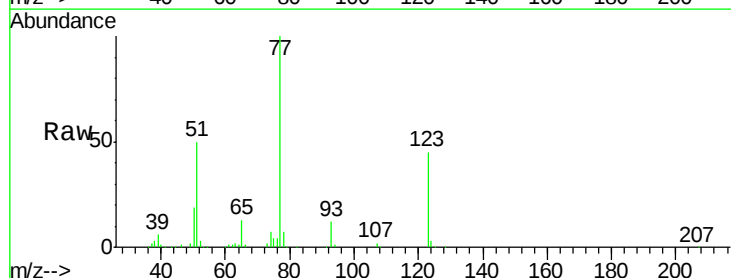
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

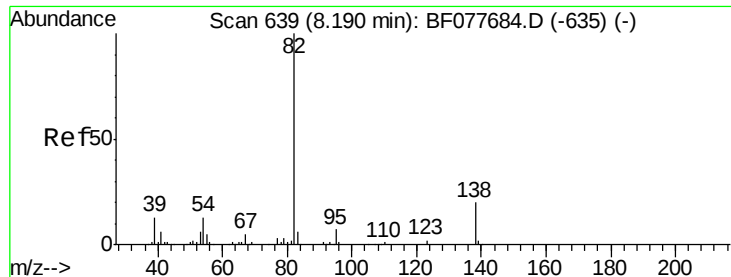
| Tot Ion   | 82   | Resp  | 219303 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.2 | 32.8  | 49.2   |
| 54        | 49.2 | 40.6  | 60.8   |



#24  
 Nitrobenzene  
 Concen: 42.13 ng  
 RT: 7.84 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

| Tgt Ion   | 77   | Resp  | 120016 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 45.3 | 32.6  | 49.0   |
| 65        | 12.7 | 10.9  | 16.3   |





#25

Isophorone

Concen: 38.87 ng

RT: 8.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

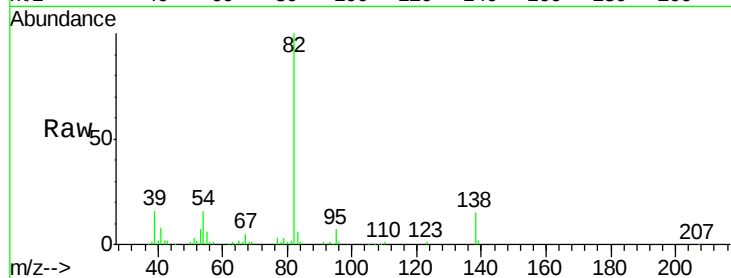
Tot Ion: 82 Resp: 207591

Ion Ratio Lower Upper

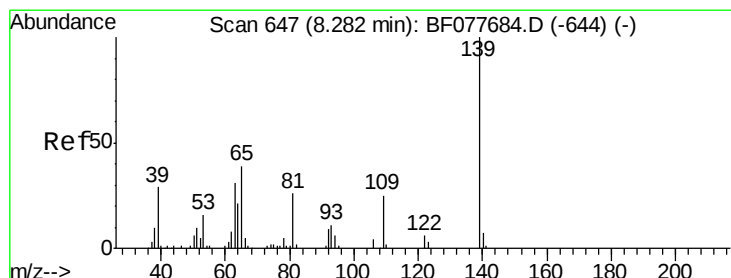
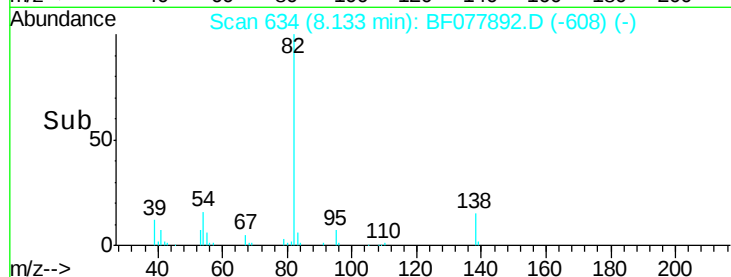
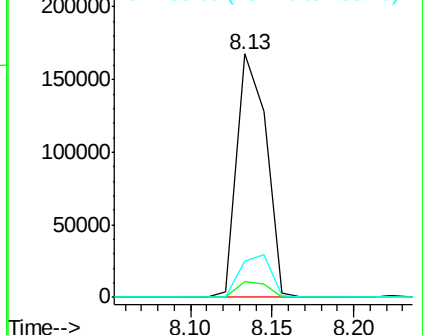
82 100

95 6.6 5.8 8.6

138 14.7 16.3 24.5#



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



#26

2-Nitrophenol

Concen: 40.14 ng

RT: 8.24 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

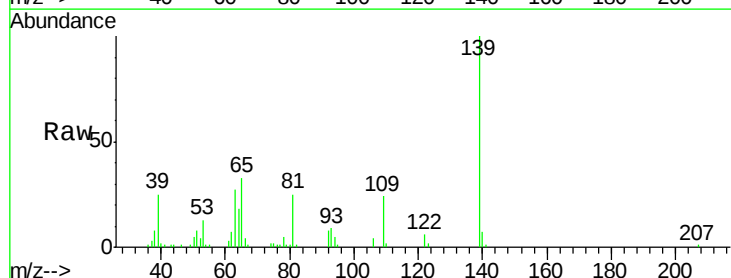
Tgt Ion: 139 Resp: 55978

Ion Ratio Lower Upper

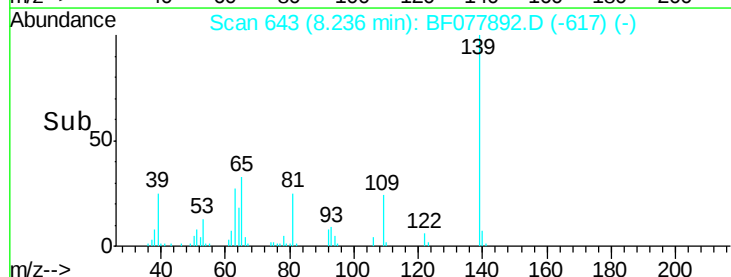
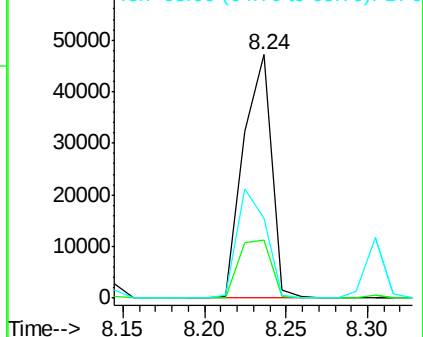
139 100

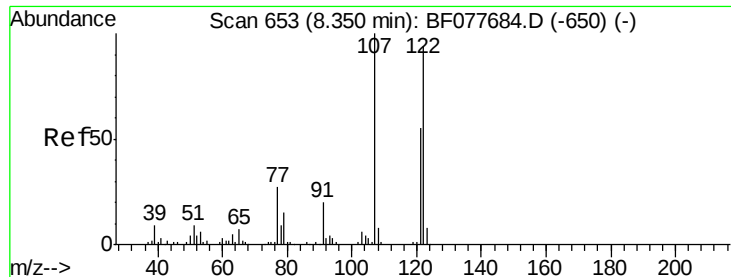
109 23.7 20.1 30.1

65 32.7 31.5 47.3



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 41.12 ng

RT: 8.30 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

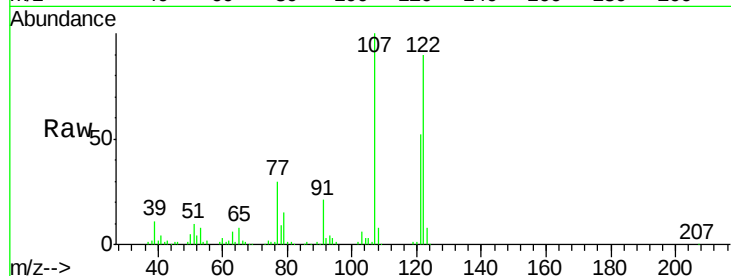
Tot Ion:122 Resp: 104482

Ion Ratio Lower Upper

122 100

107 111.7 84.7 127.1

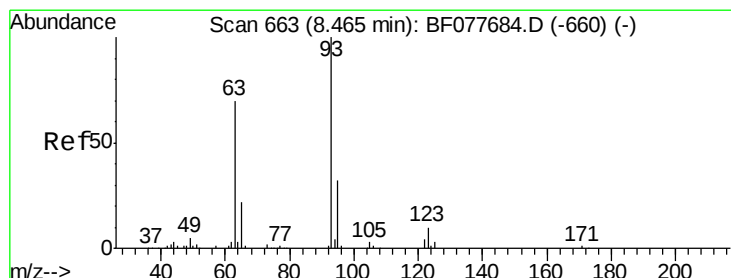
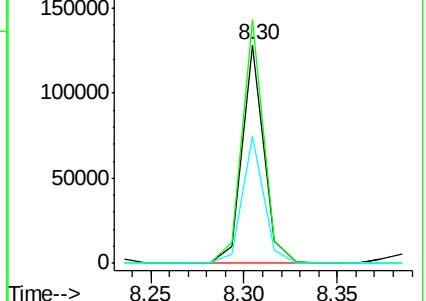
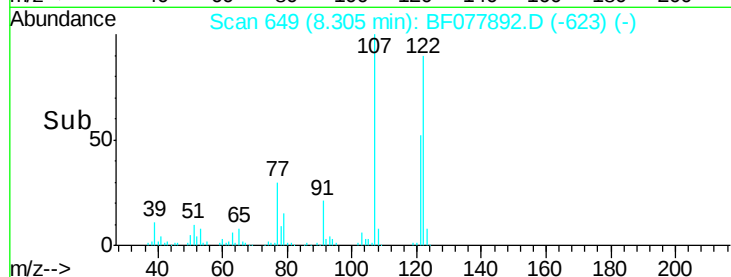
121 58.5 46.6 69.8



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: 39.85 ng

RT: 8.42 min Scan# 659

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

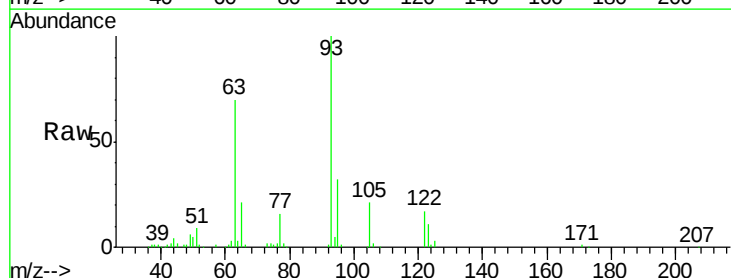
Tgt Ion: 93 Resp: 129177

Ion Ratio Lower Upper

93 100

95 31.7 25.5 38.3

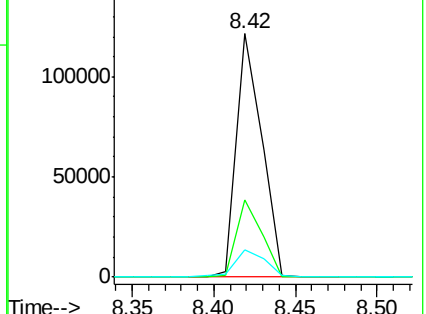
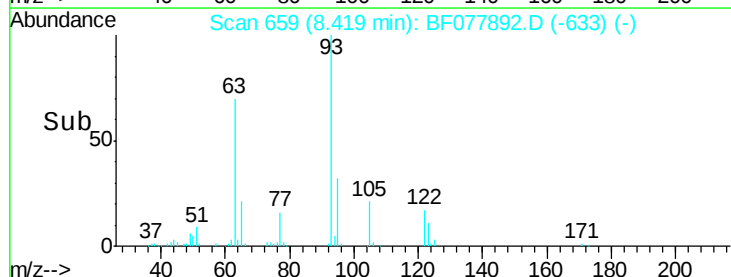
123 11.0 8.6 13.0

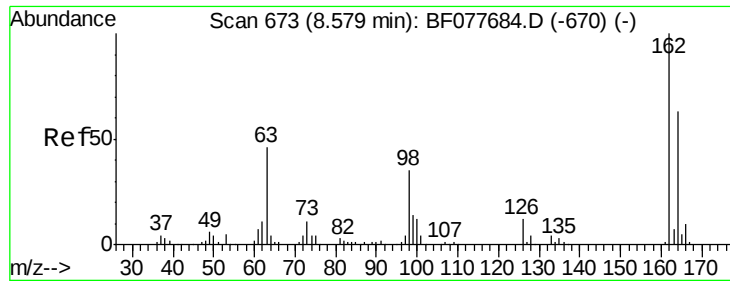


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

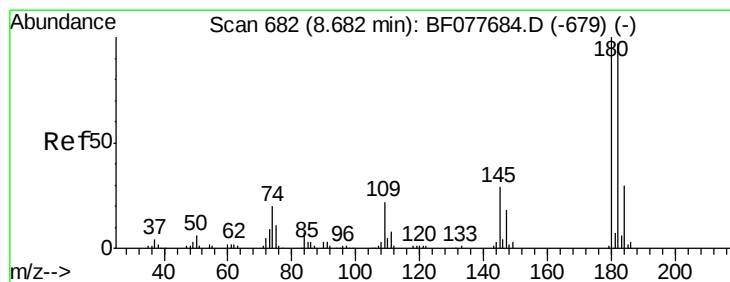
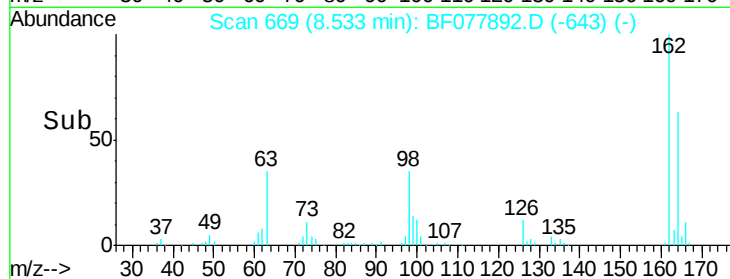
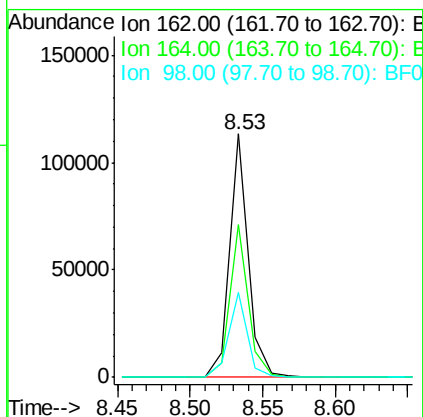
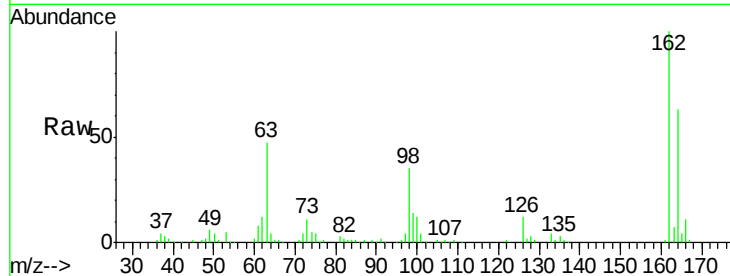




#29  
 2,4-Dichlorophenol  
 Concen: 41.41 ng  
 RT: 8.53 min Scan# 669  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

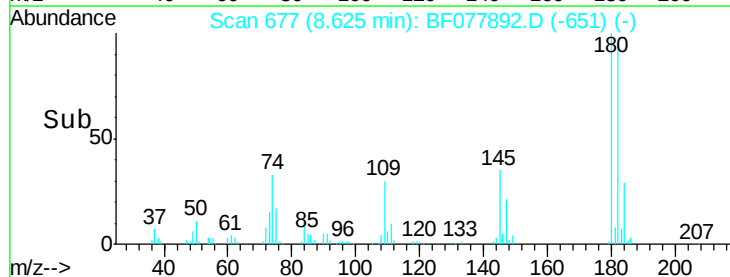
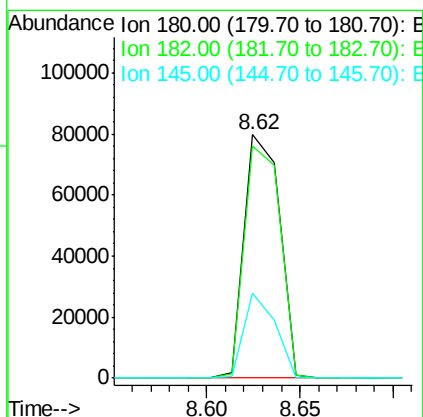
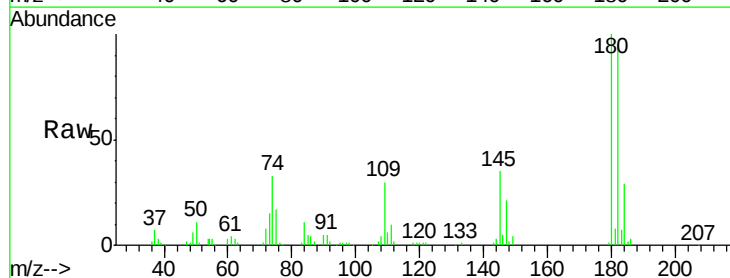
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

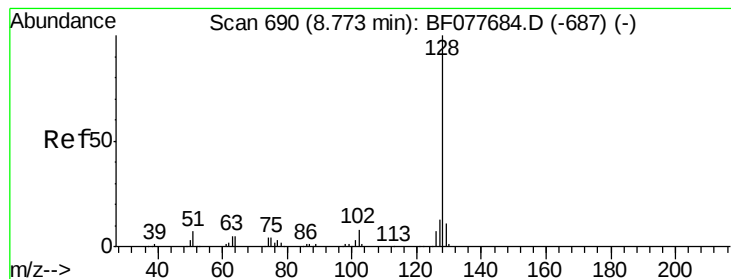
Tot Ion:162 Resp: 100283  
 Ion Ratio Lower Upper  
 162 100  
 164 62.7 42.8 82.8  
 98 34.9 14.5 54.5



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.78 ng  
 RT: 8.62 min Scan# 677  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:180 Resp: 105085  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 77.6 116.4  
 145 35.1 23.4 35.2





#31

Naphthalene

Concen: 40.44 ng

RT: 8.73 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

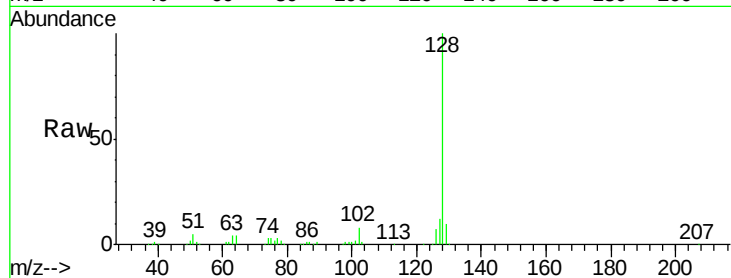
Tot Ion:128 Resp: 360002

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

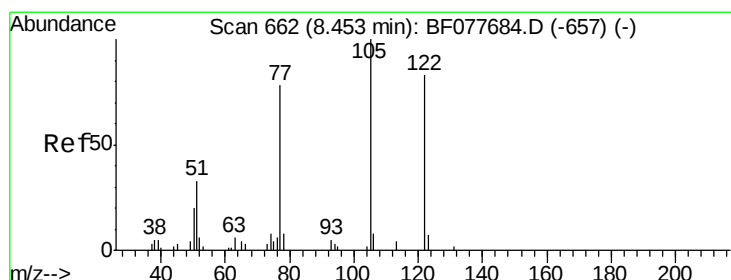
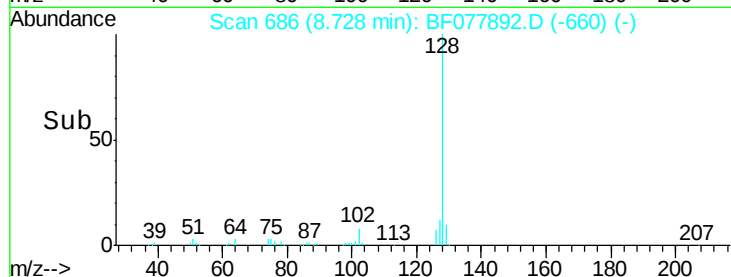
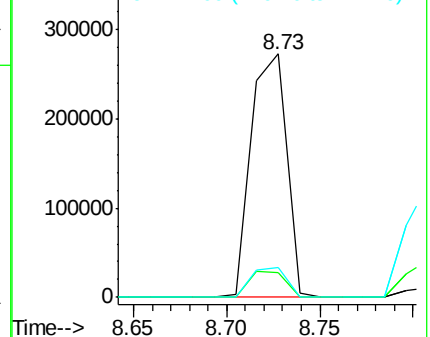
127 12.4 10.4 15.6



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: 42.70 ng

RT: 8.42 min Scan# 659

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

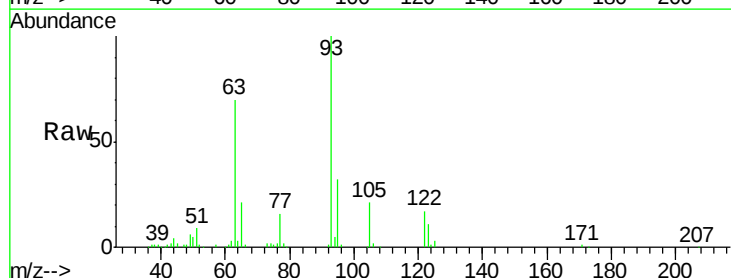
Tgt Ion:122 Resp: 59997

Ion Ratio Lower Upper

122 100

105 119.9 99.9 139.9

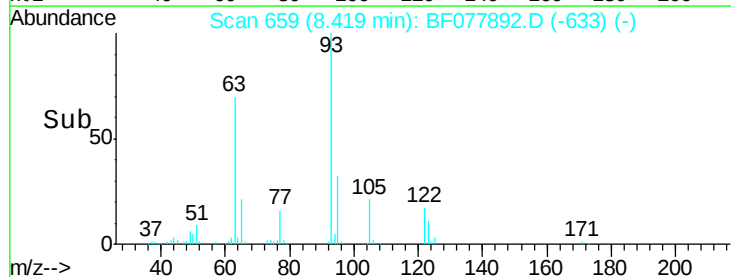
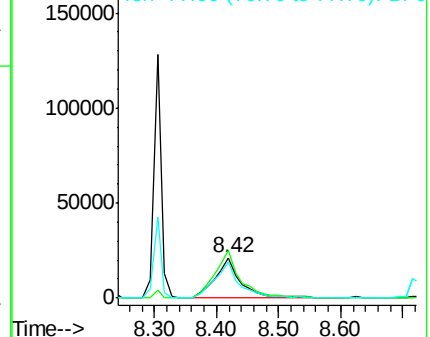
77 90.7 73.7 113.7

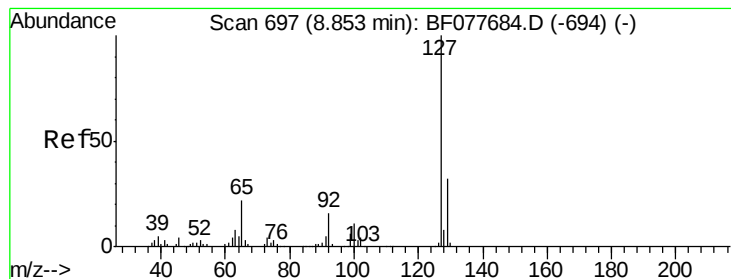


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 40.42 ng

RT: 8.81 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:127 Resp: 146040

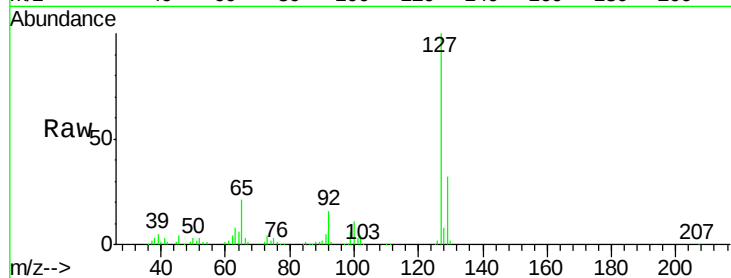
Ion Ratio Lower Upper

127 100

129 31.9 25.3 37.9

65 21.3 17.6 26.4

92 15.6 13.1 19.7

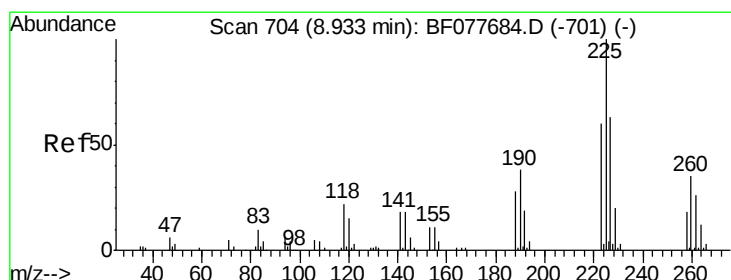
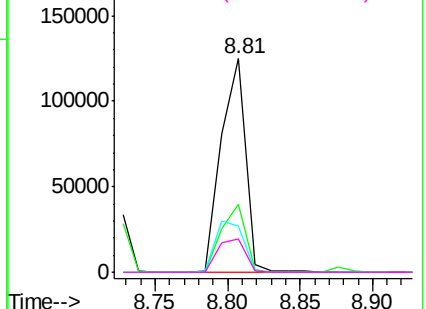
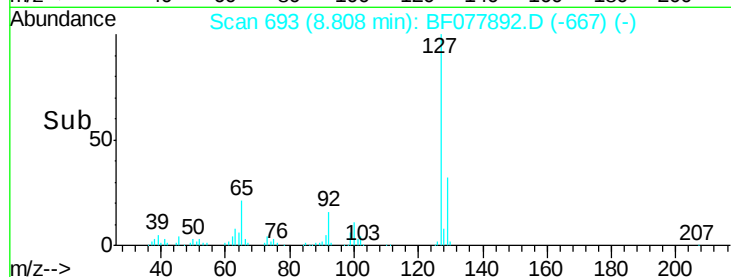


Abundance Ion 127.00 (126.70 to 127.70): E

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: 38.60 ng

RT: 8.88 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

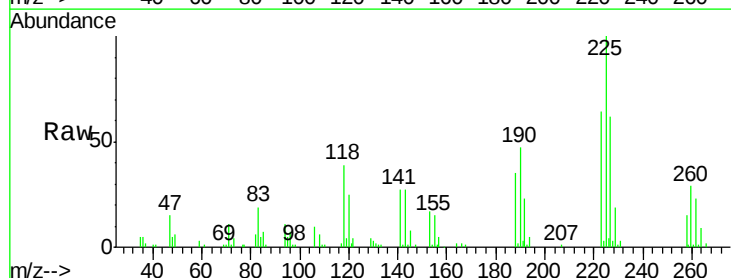
Tgt Ion:225 Resp: 59294

Ion Ratio Lower Upper

225 100

223 64.4 47.9 71.9

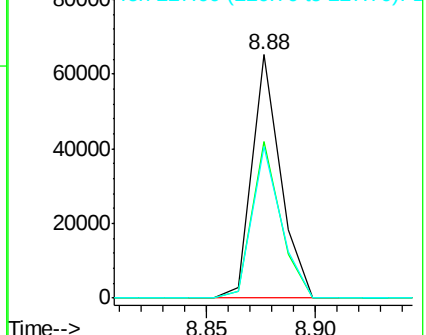
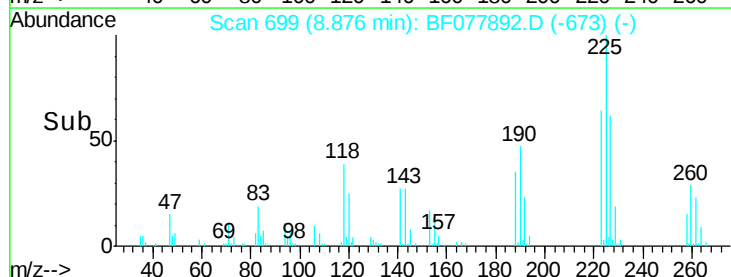
227 62.4 50.1 75.1

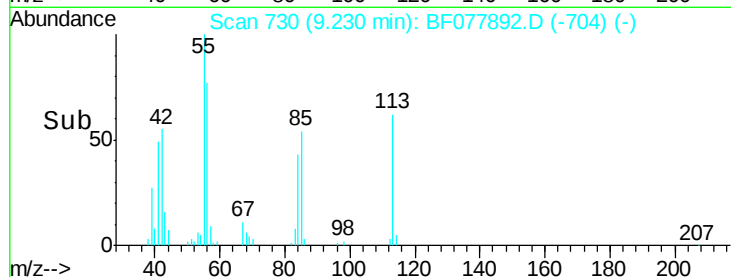
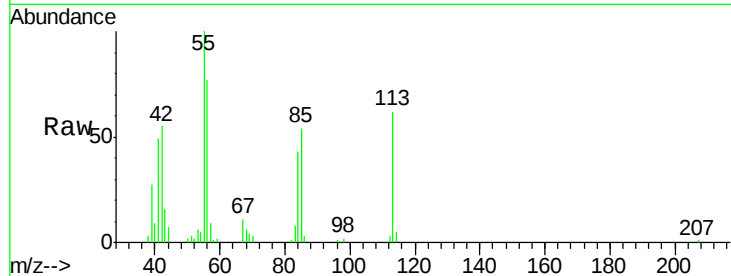
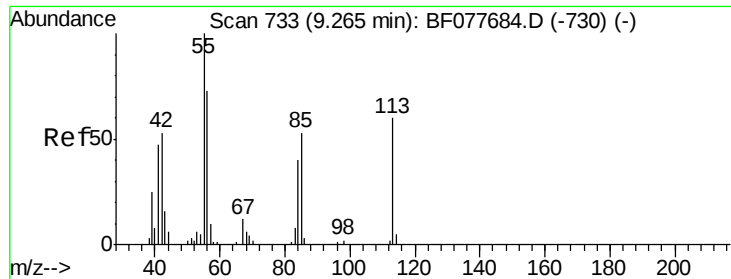


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 44.69 ng

RT: 9.23 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

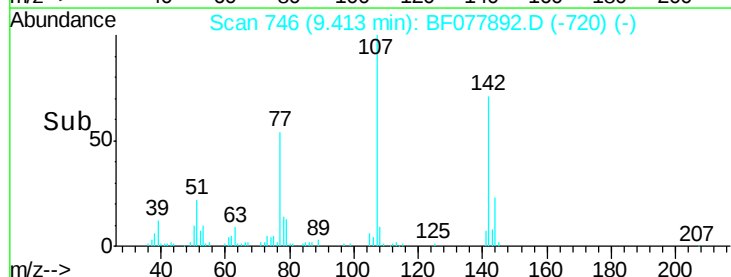
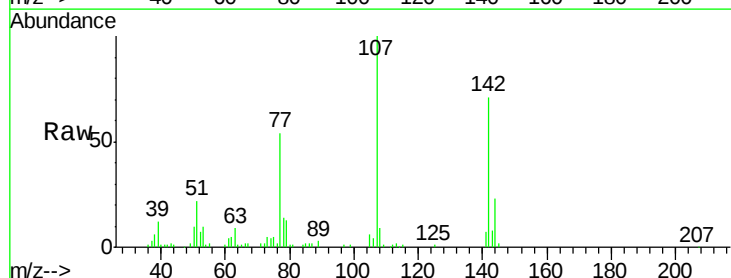
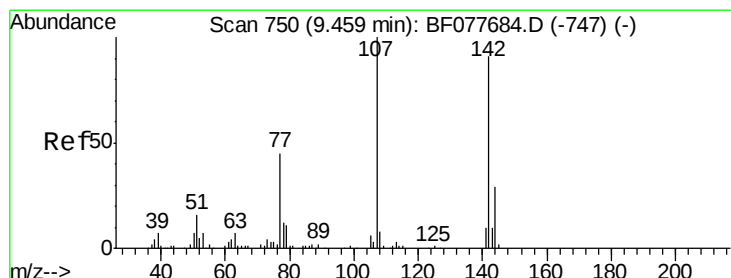
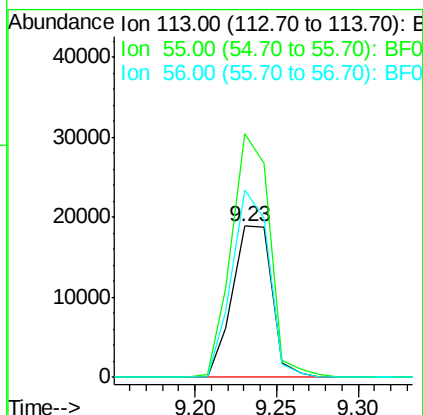
Tot Ion:113 Resp: 31635

Ion Ratio Lower Upper

113 100

55 161.0 145.9 185.9

56 124.1 101.0 141.0



#36

4-Chloro-3-methylphenol

Concen: 41.27 ng

RT: 9.41 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

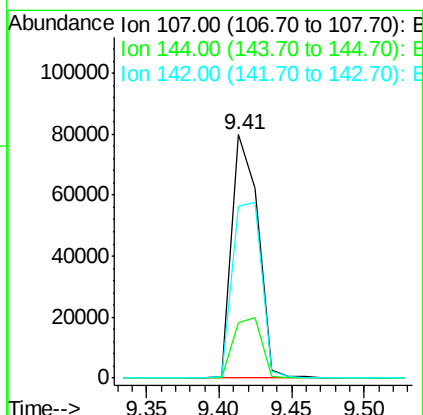
Tgt Ion:107 Resp: 100581

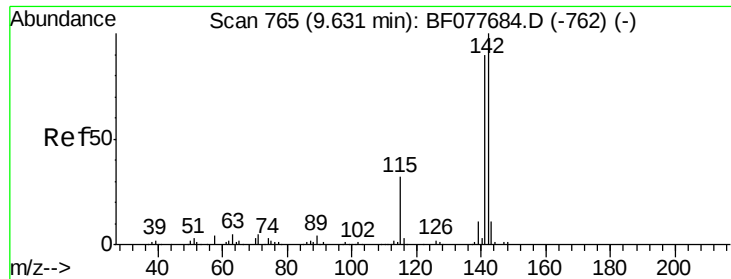
Ion Ratio Lower Upper

107 100

144 22.8 23.3 34.9#

142 70.8 72.6 109.0#

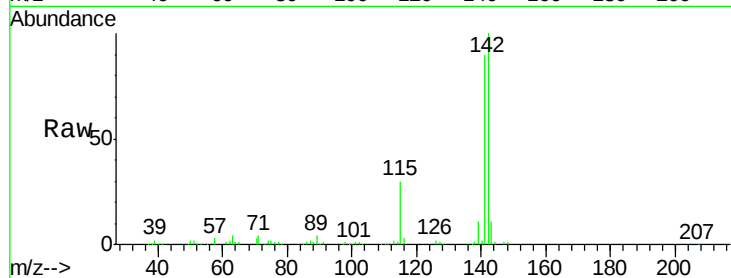




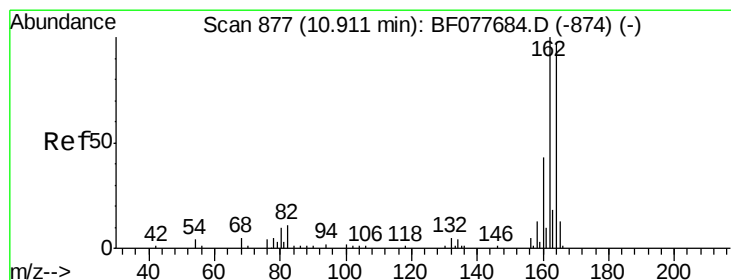
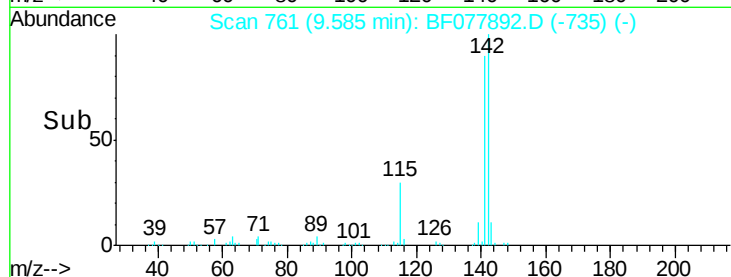
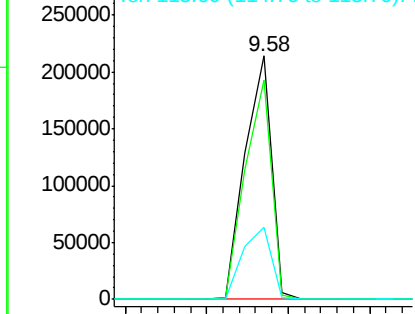
#37  
2-Methylnaphthalene  
Concen: 40.18 ng  
RT: 9.58 min Scan# 761  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:142 Resp: 240329  
Ion Ratio Lower Upper  
142 100  
141 89.9 71.9 107.9  
115 29.8 25.4 38.0

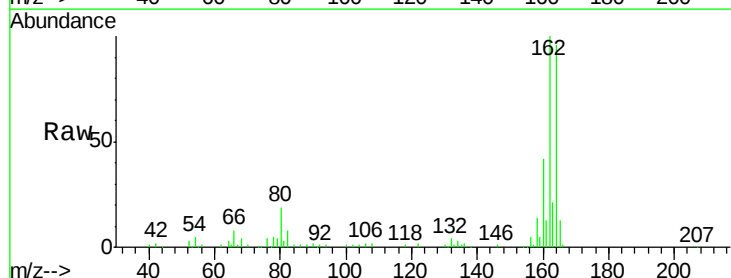


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

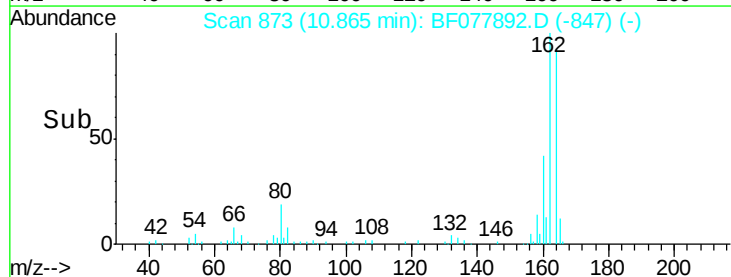
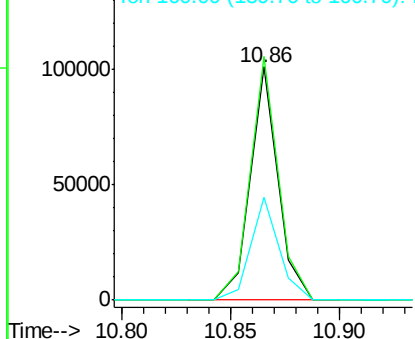


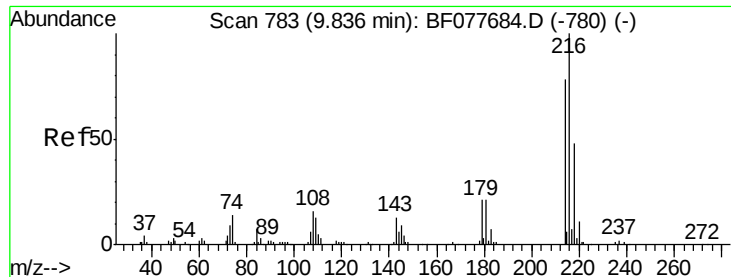
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.86 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:164 Resp: 89394  
Ion Ratio Lower Upper  
164 100  
162 104.5 82.4 123.6  
160 44.1 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

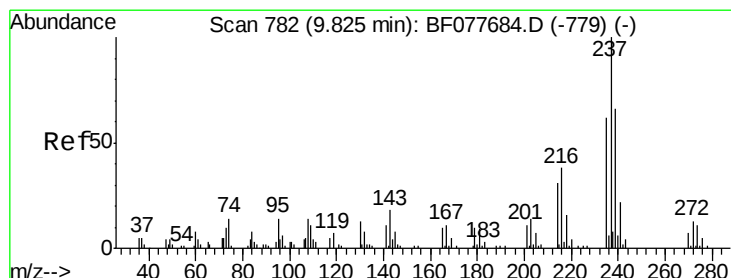
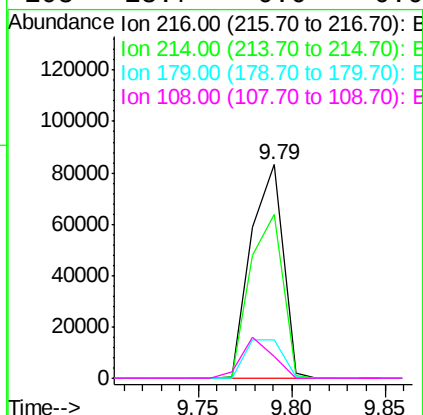
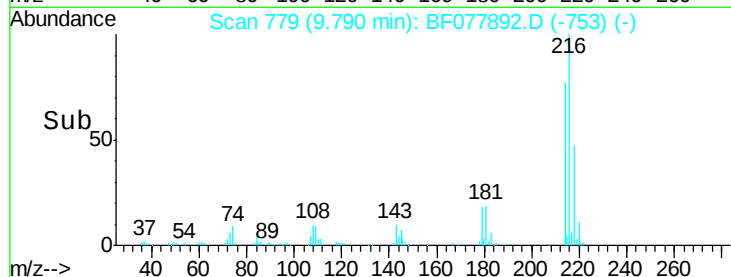
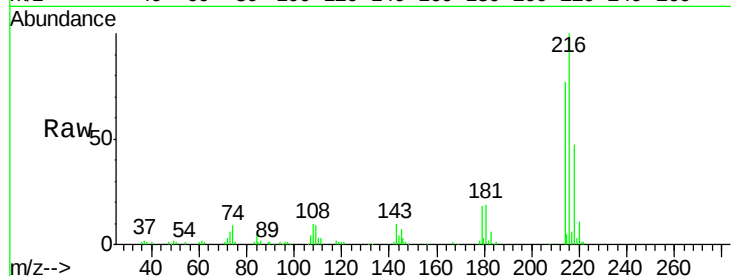




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.25 ng  
 RT: 9.79 min Scan# 779  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

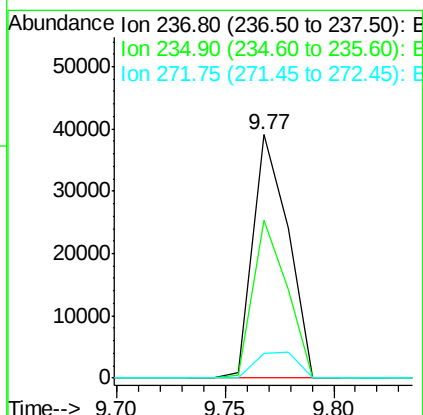
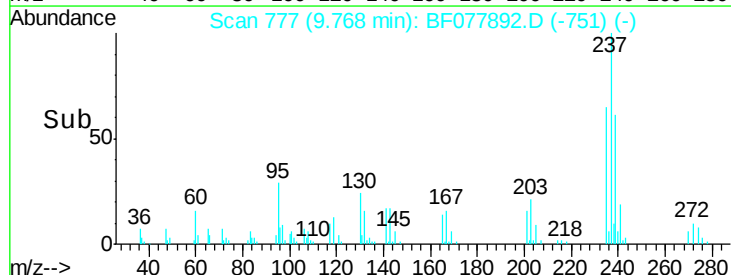
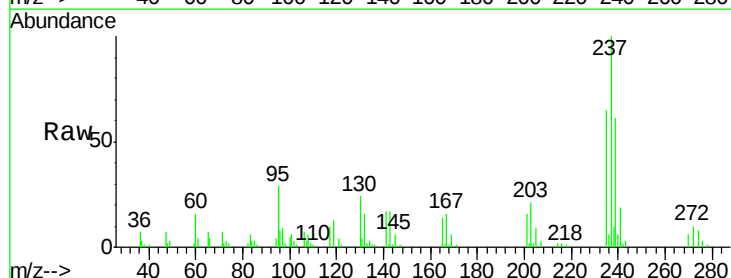
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

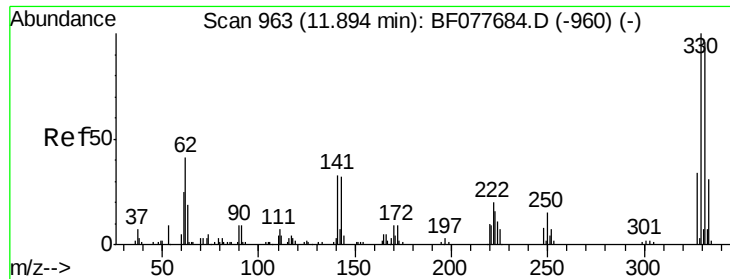
|             |       |          |
|-------------|-------|----------|
| Tot Ion:216 | Resp: | 99315    |
| Ion Ratio   | Lower | Upper    |
| 216         | 100   |          |
| 214         | 78.3  | 0.0 0.0# |
| 179         | 21.0  | 0.0 0.0# |
| 108         | 18.7  | 0.0 0.0# |



#40  
 Hexachlorocyclopentadiene  
 Concen: 34.86 ng  
 RT: 9.77 min Scan# 777  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 44045     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 64.6  | 42.0 82.0 |
| 272         | 10.1  | 0.0 33.4  |

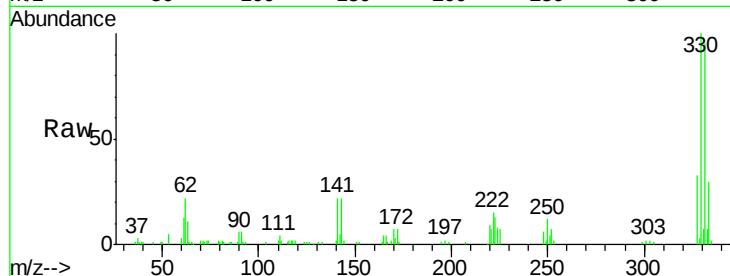




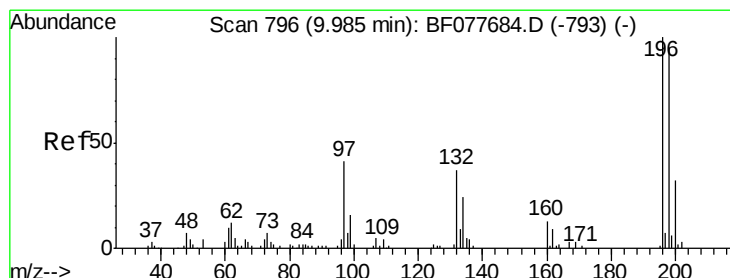
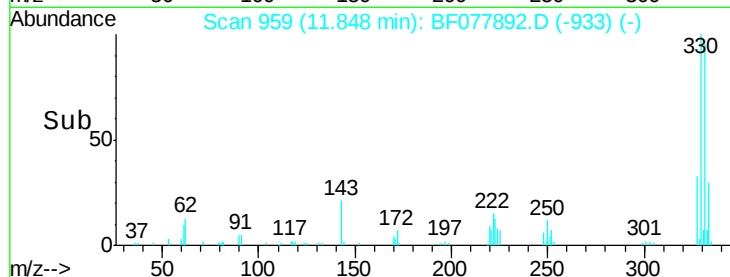
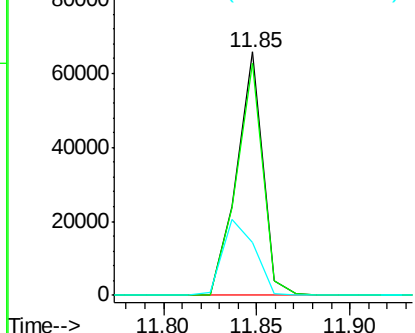
#41  
 2,4,6-Tribromophenol  
 Concen: 75.63 ng  
 RT: 11.85 min Scan# 959  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:330 Resp: 64690  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 38.0 0.0 0.0#

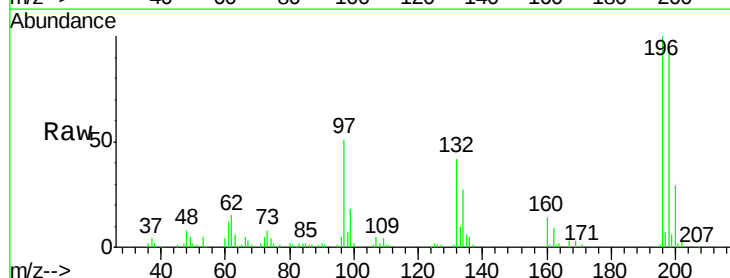


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

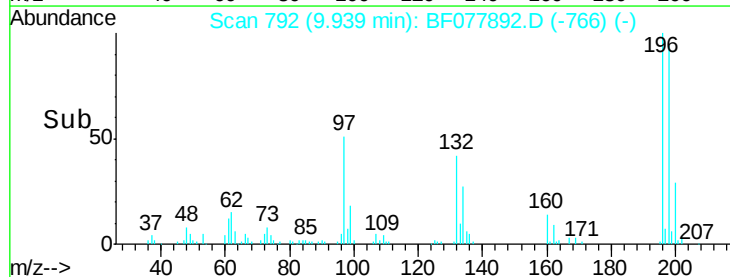
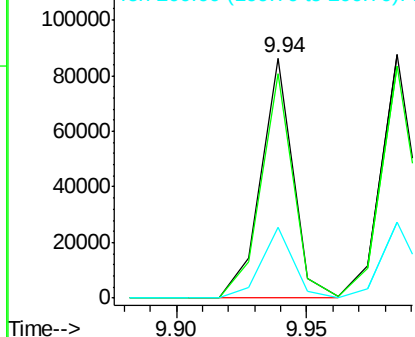


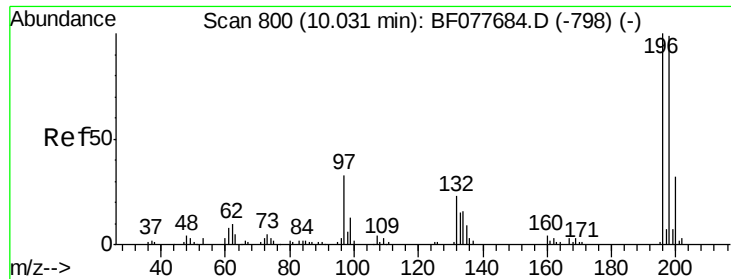
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.33 ng  
 RT: 9.94 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:196 Resp: 74491  
 Ion Ratio Lower Upper  
 196 100  
 198 93.6 76.3 114.5  
 200 29.4 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

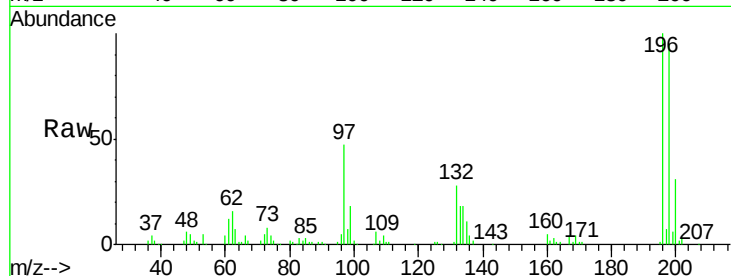




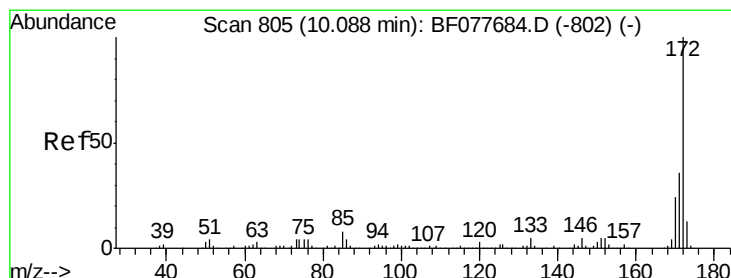
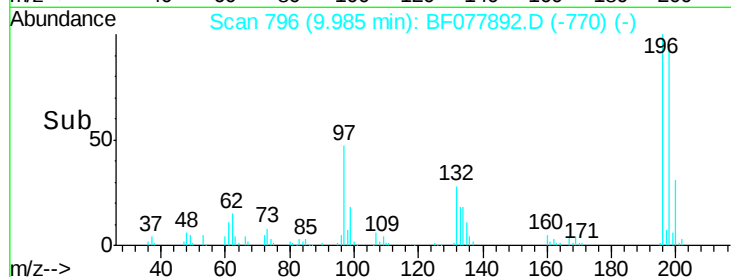
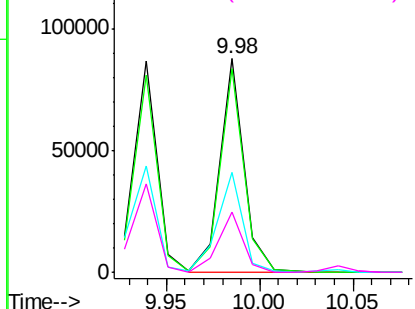
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.57 ng  
 RT: 9.98 min Scan# 796  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

|             |       |            |
|-------------|-------|------------|
| Tot Ion:196 | Resp: | 78958      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 95.3  | 79.4 119.0 |
| 97          | 46.8  | 26.8 40.2# |
| 132         | 28.2  | 18.6 28.0# |

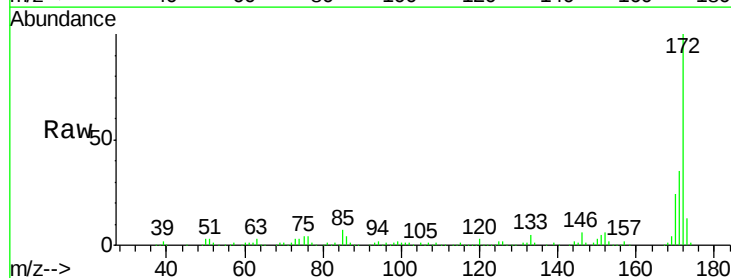


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

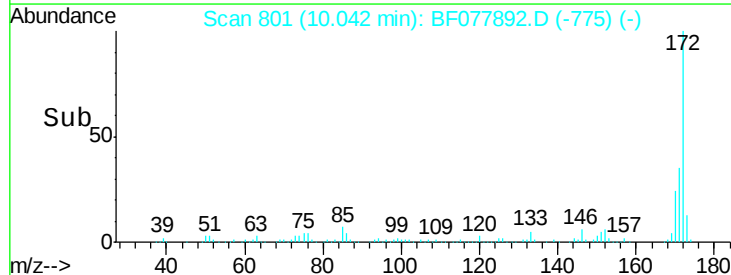
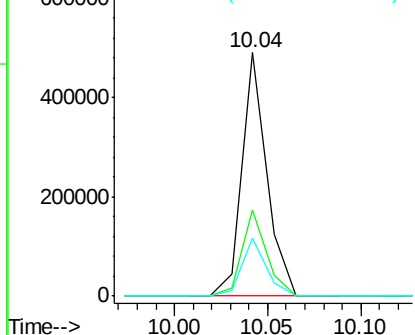


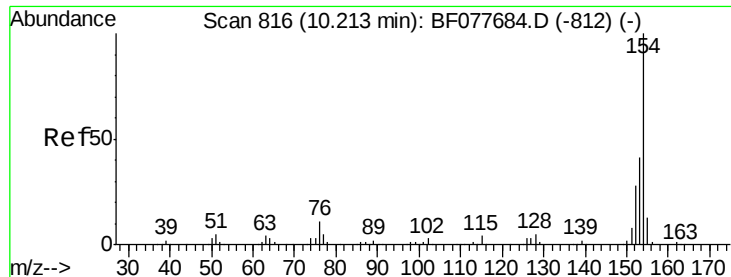
#44  
 2-Fluorobiphenyl  
 Concen: 74.65 ng  
 RT: 10.04 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 454106    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 35.4  | 28.5 42.7 |
| 170         | 24.1  | 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

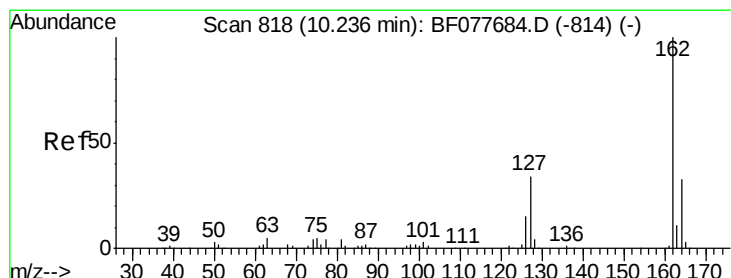
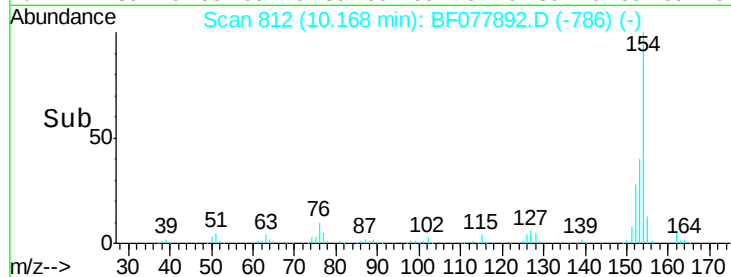
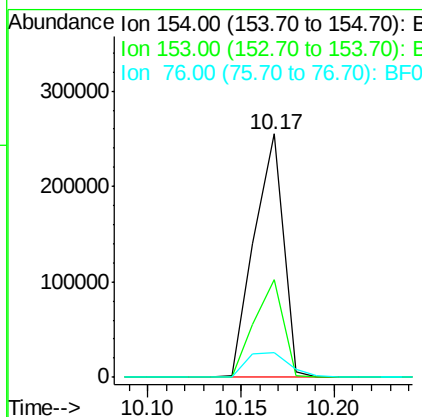
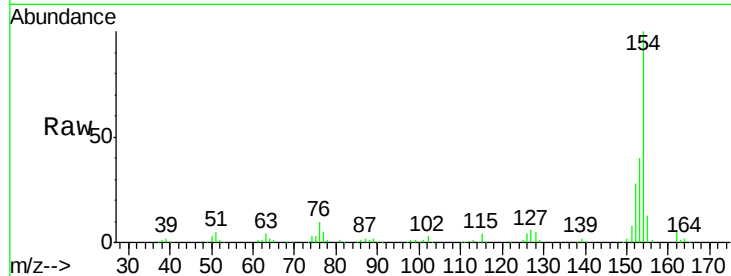




#45  
 1,1'-Biphenyl  
 Concen: 38.66 ng  
 RT: 10.17 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

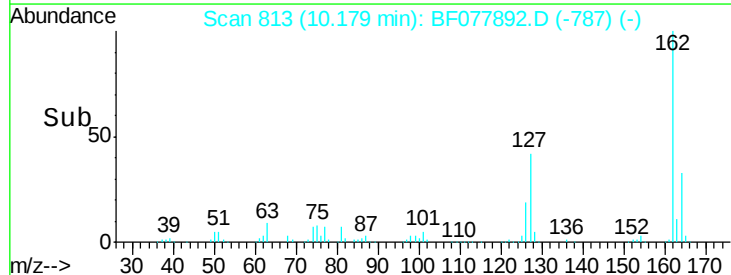
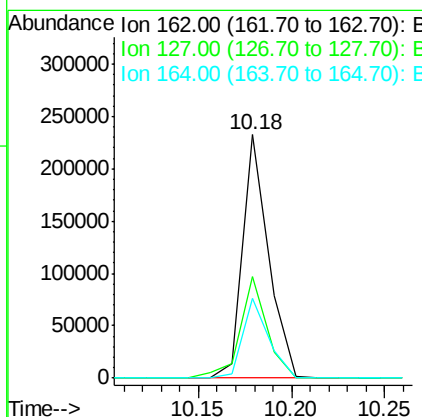
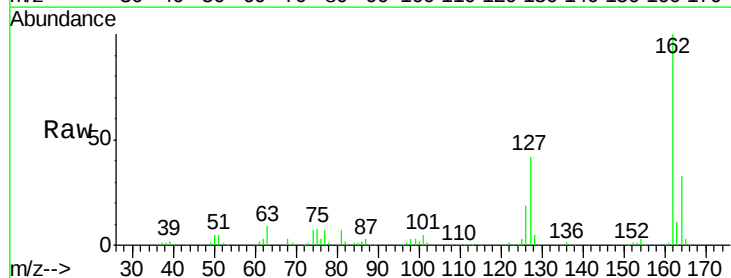
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

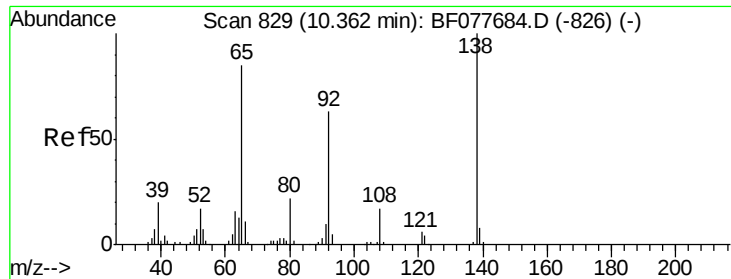
Tot Ion:154 Resp: 276252  
 Ion Ratio Lower Upper  
 154 100  
 153 40.2 20.7 60.7  
 76 10.0 0.0 30.9



#46  
 2-Chloronaphthalene  
 Concen: 38.65 ng  
 RT: 10.18 min Scan# 813  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:162 Resp: 224438  
 Ion Ratio Lower Upper  
 162 100  
 127 41.8 26.9 40.3#  
 164 33.0 26.8 40.2

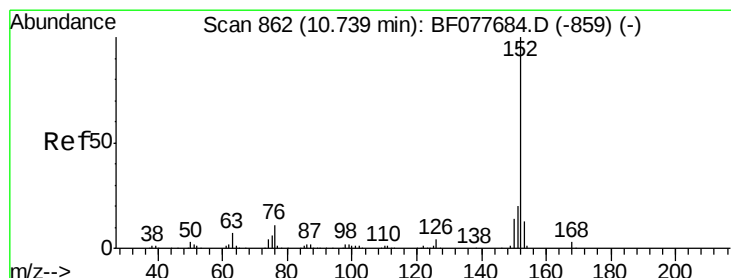
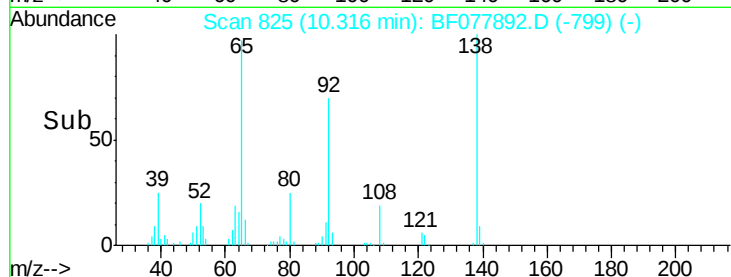
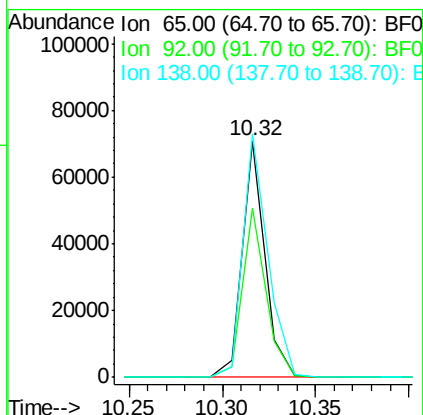
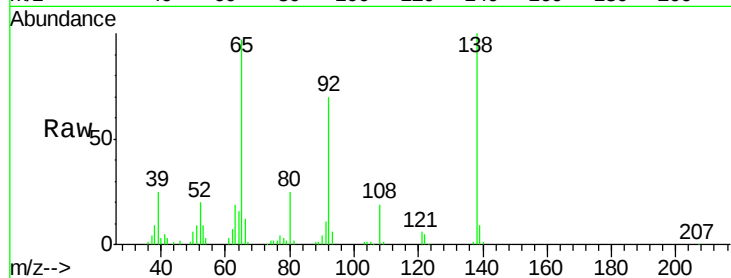




#47  
2-Nitroaniline  
Concen: 41.80 ng  
RT: 10.32 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

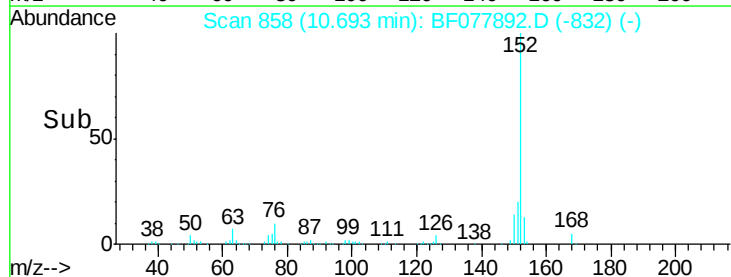
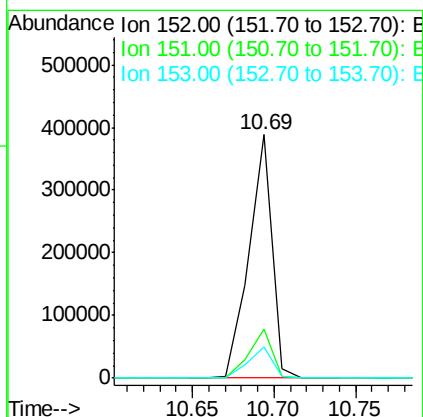
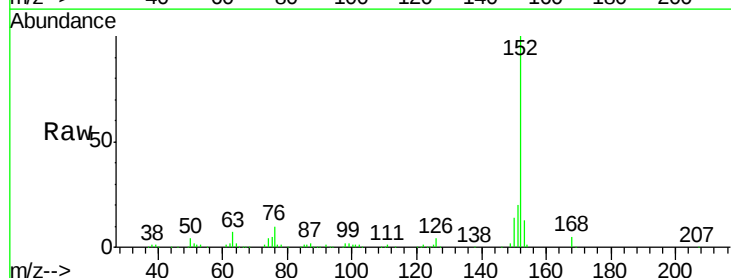
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

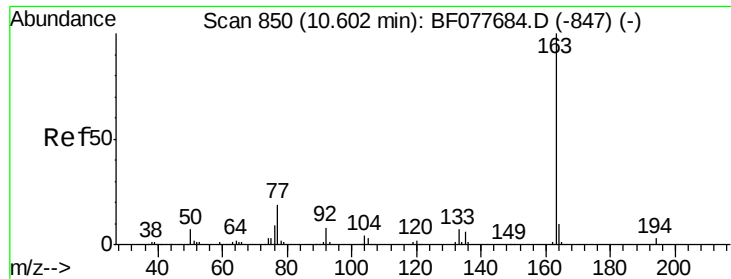
Tot Ion: 65 Resp: 60283  
Ion Ratio Lower Upper  
65 100  
92 71.6 59.1 88.7  
138 103.0 93.9 140.9



#48  
Acenaphthylene  
Concen: 39.37 ng  
RT: 10.69 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:152 Resp: 380199  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 13.0 10.6 16.0

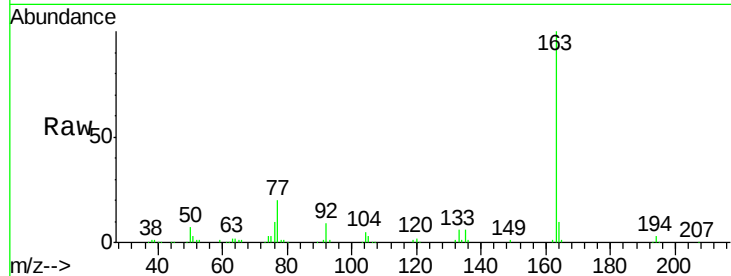




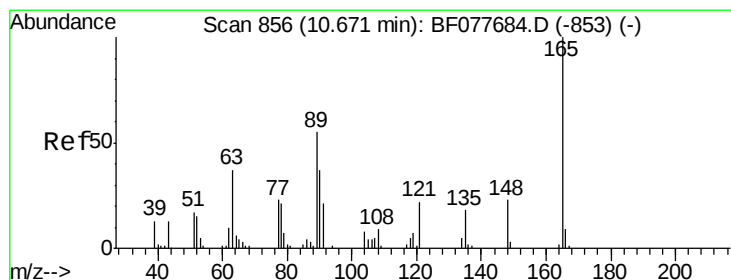
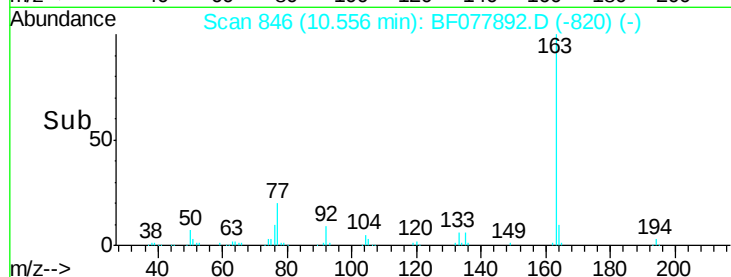
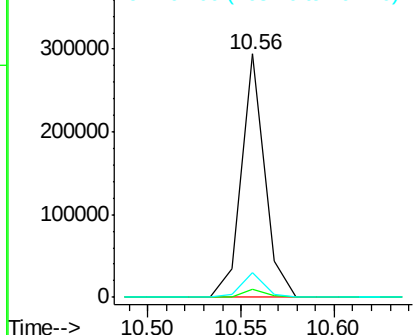
#49  
Dimethylphthalate  
Concen: 38.48 ng  
RT: 10.56 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:163 Resp: 255112  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.3 8.2 12.2

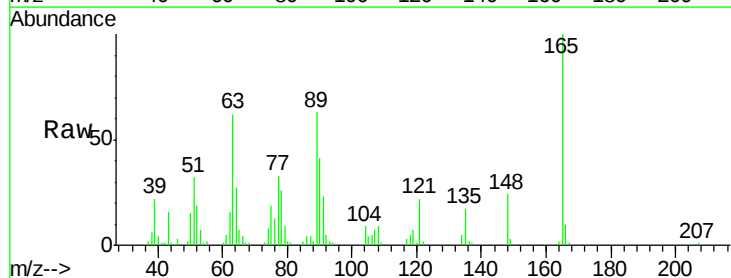


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

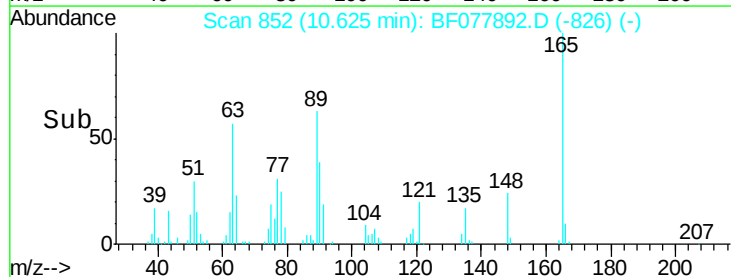
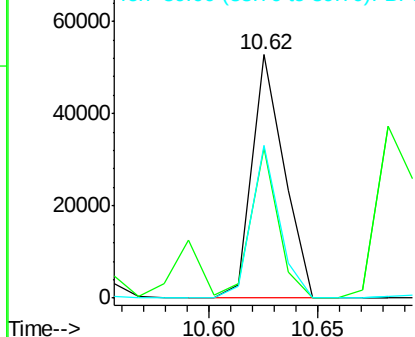


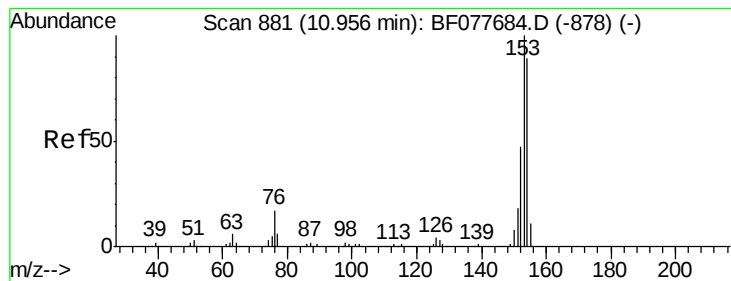
#50  
2,6-Dinitrotoluene  
Concen: 39.41 ng  
RT: 10.62 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:165 Resp: 54166  
Ion Ratio Lower Upper  
165 100  
63 61.9 44.1 66.1  
89 62.6 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: 38.47 ng

RT: 10.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

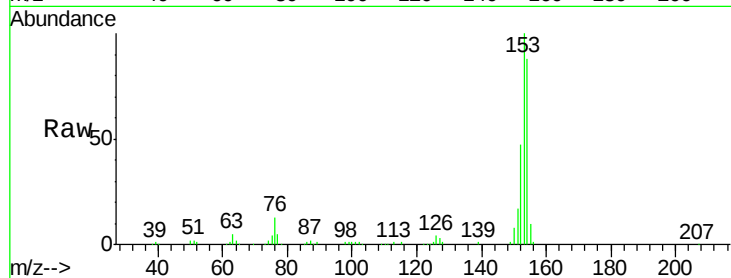
Tot Ion:154 Resp: 213001

Ion Ratio Lower Upper

154 100

153 114.2 90.0 135.0

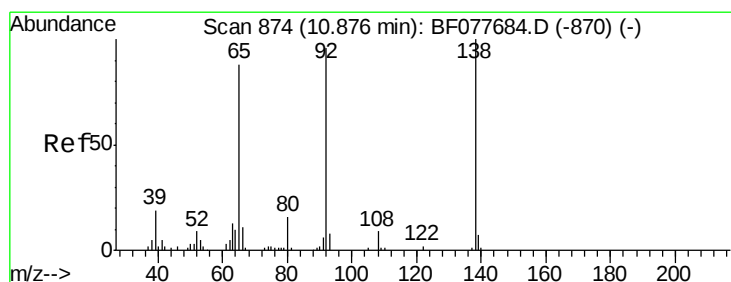
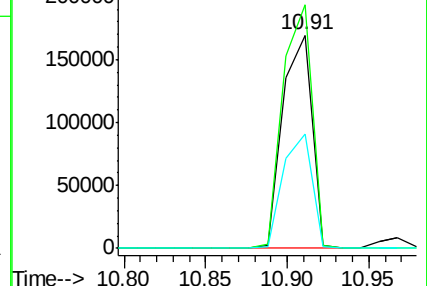
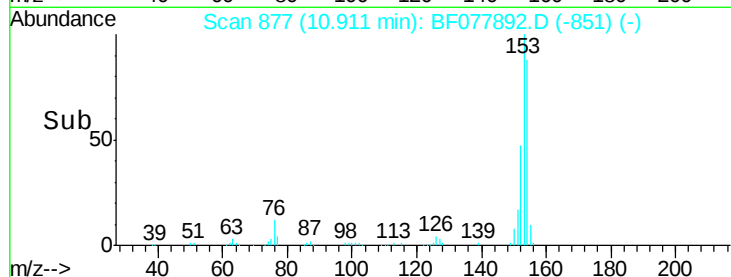
152 53.7 42.6 63.8



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: 42.04 ng

RT: 10.83 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

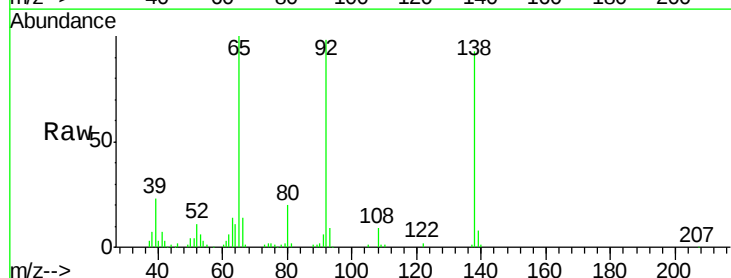
Tgt Ion:138 Resp: 67106

Ion Ratio Lower Upper

138 100

108 9.4 7.3 10.9

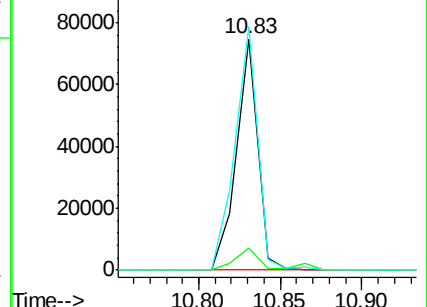
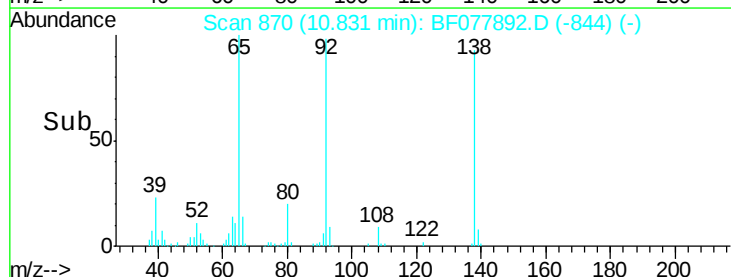
92 105.3 76.6 114.8

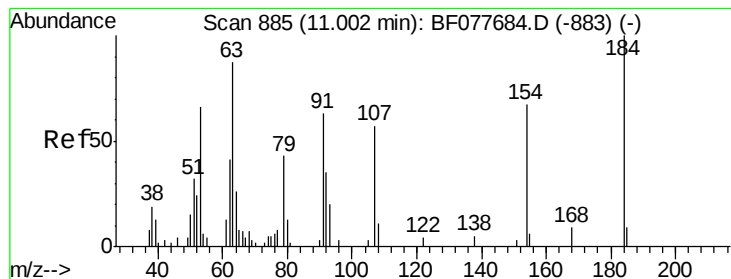


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 38.54 ng

RT: 10.97 min Scan# 882

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

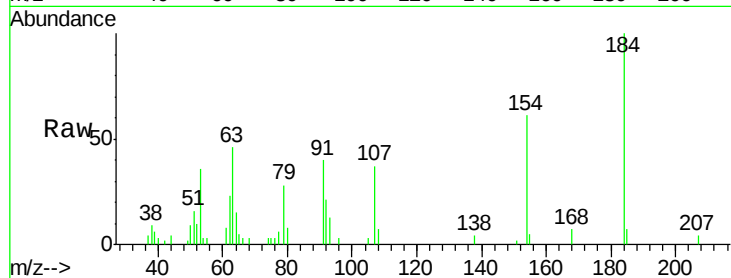
Tot Ion:184 Resp: 17116

Ion Ratio Lower Upper

184 100

63 45.7 69.2 103.8#

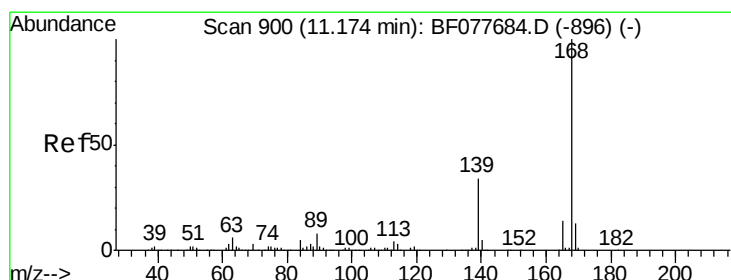
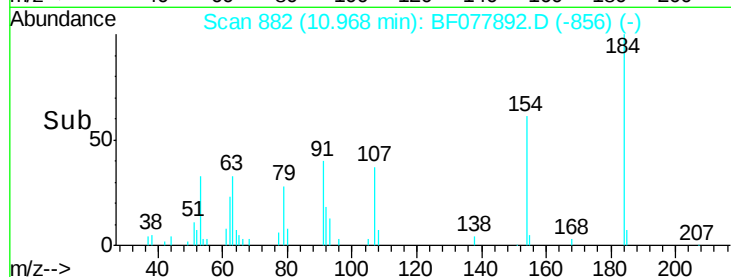
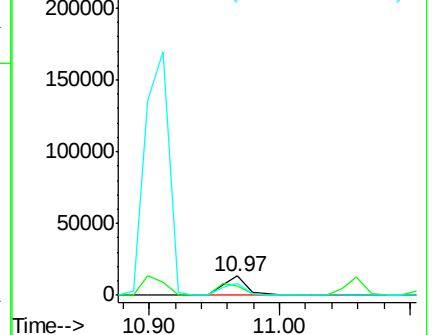
154 60.7 53.3 79.9



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: 38.24 ng

RT: 11.12 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

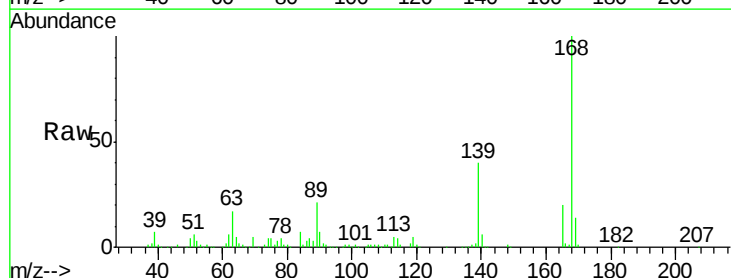
Tgt Ion:168 Resp: 314002

Ion Ratio Lower Upper

168 100

139 40.1 27.3 40.9

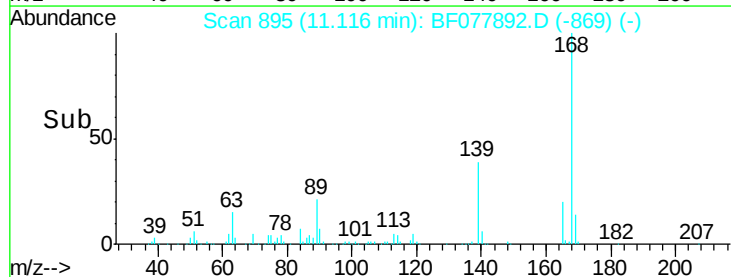
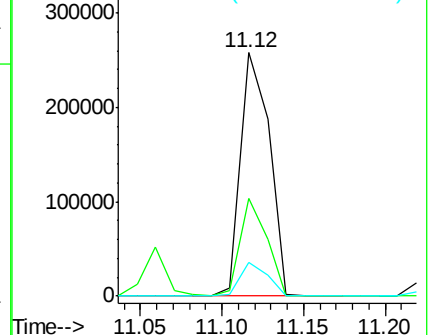
169 14.0 10.6 16.0

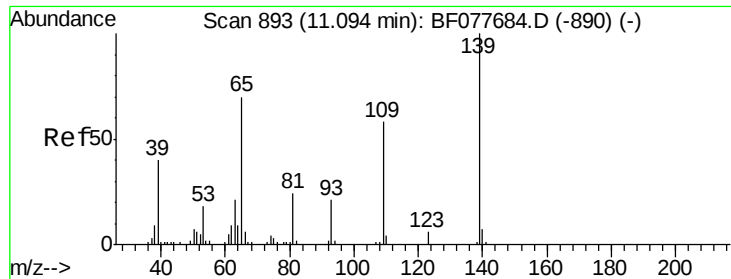


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

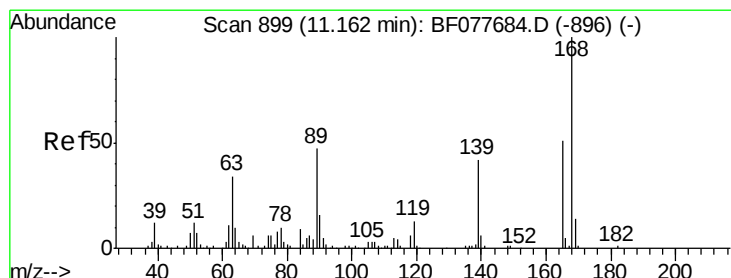
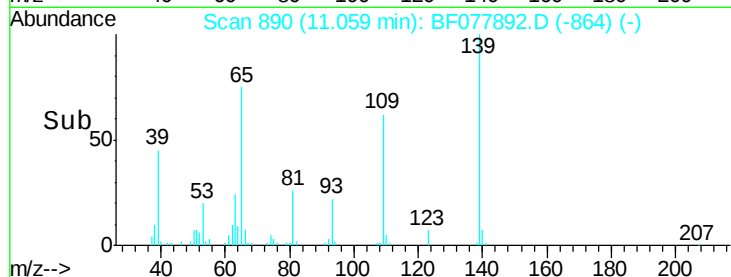
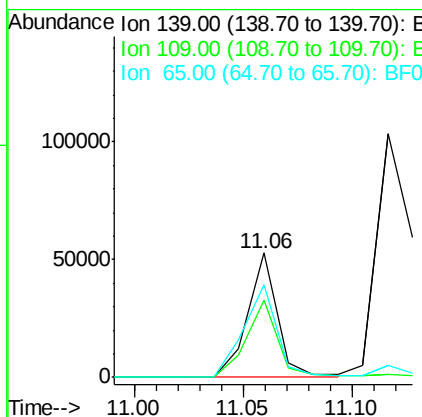
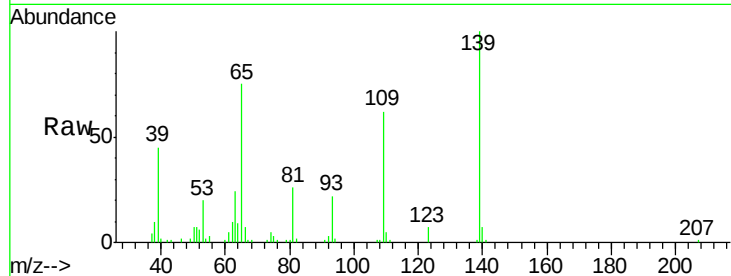




#55  
4-Nitrophenol  
Concen: 42.66 ng  
RT: 11.06 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

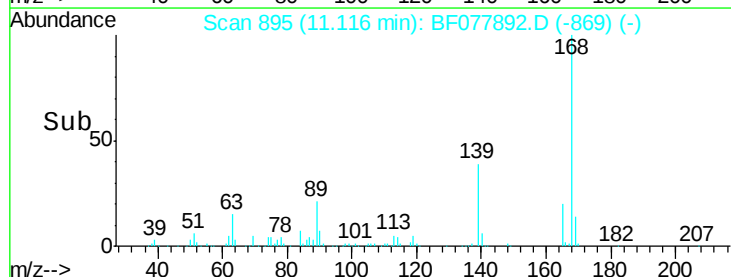
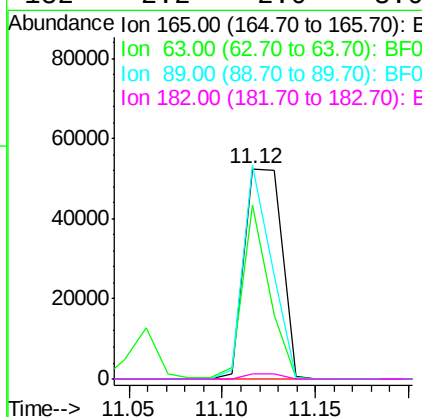
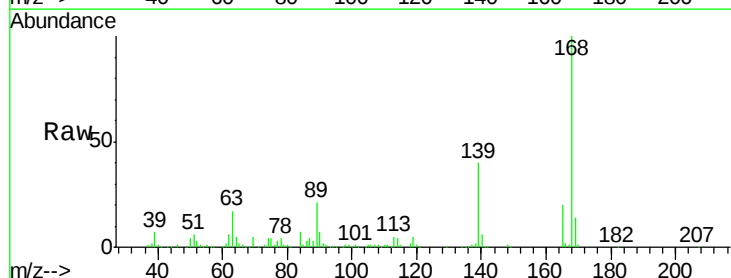
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

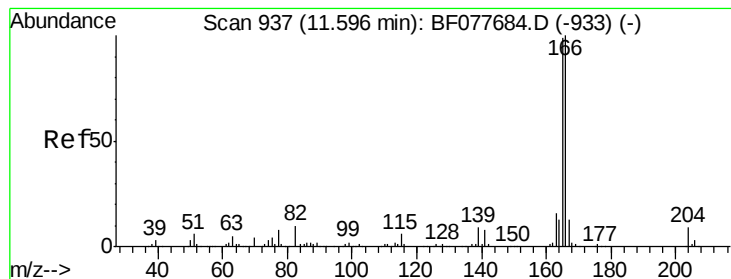
Tot Ion:139 Resp: 50438  
Ion Ratio Lower Upper  
139 100  
109 61.8 37.7 77.7  
65 75.1 49.9 89.9



#56  
2,4-Dinitrotoluene  
Concen: 40.74 ng  
RT: 11.12 min Scan# 895  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:165 Resp: 73016  
Ion Ratio Lower Upper  
165 100  
63 83.0 52.4 78.6#  
89 101.6 72.4 108.6  
182 2.2 2.0 3.0





#57

Fluorene

Concen: 39.08 ng

RT: 11.54 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

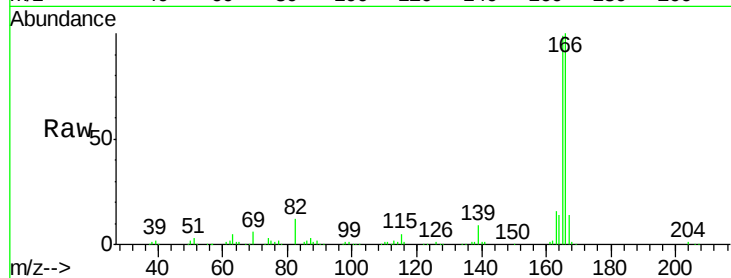
Tot Ion:166 Resp: 266478

Ion Ratio Lower Upper

166 100

165 98.6 79.0 118.4

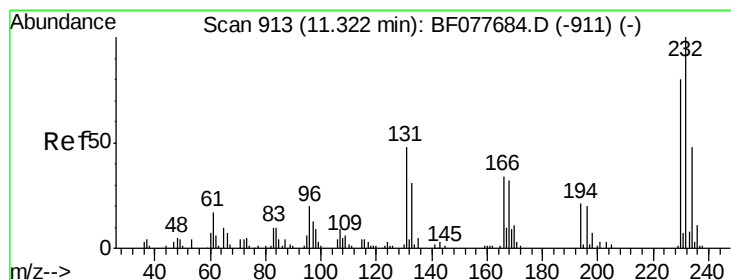
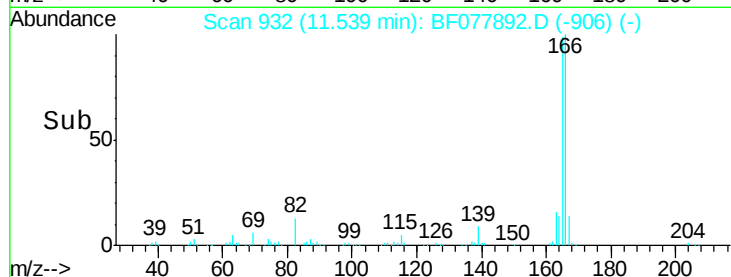
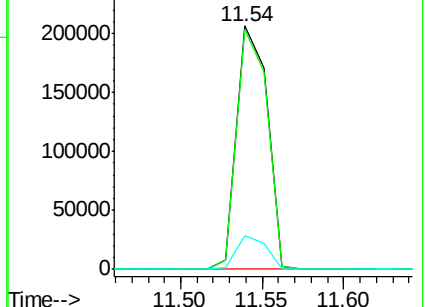
167 13.7 10.3 15.5



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: 39.46 ng

RT: 11.28 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Tgt Ion:232 Resp: 60625

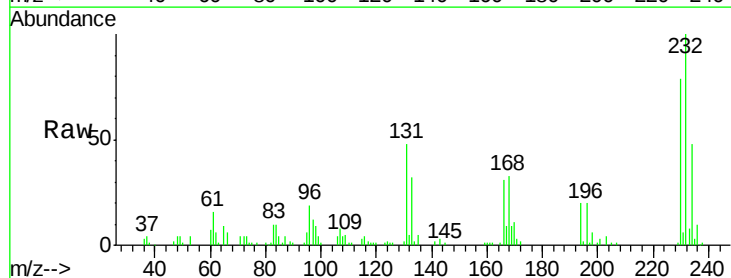
Ion Ratio Lower Upper

232 100

131 48.4 0.0 0.0#

130 2.1 0.0 0.0#

166 31.3 0.0 0.0#

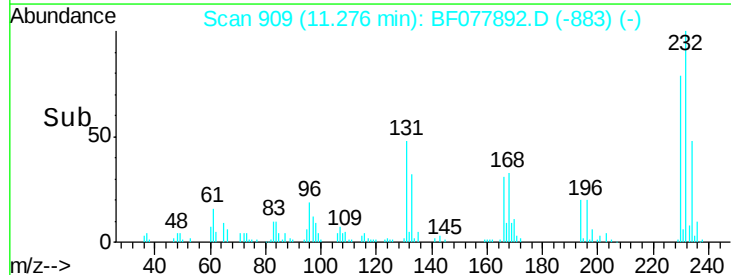
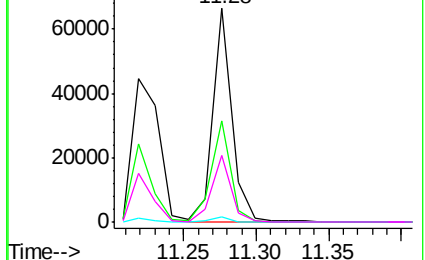


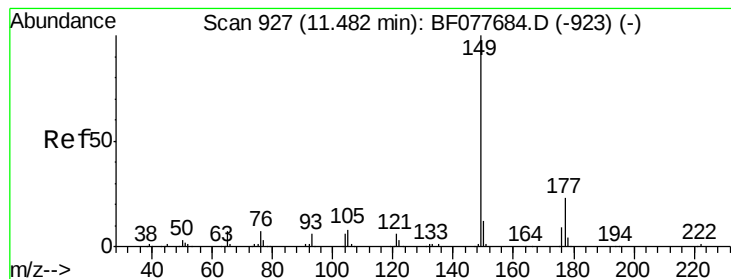
Abundance Ion 232.00 (231.70 to 232.70): E

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: 39.13 ng

RT: 11.44 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

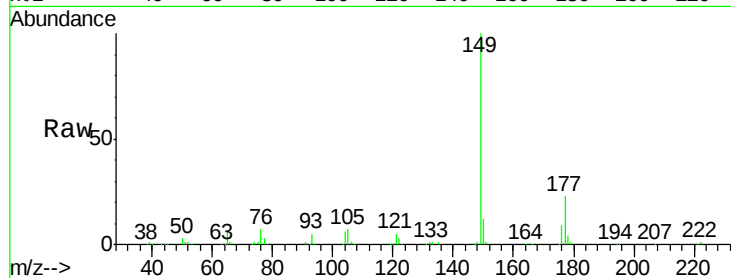
Tot Ion:149 Resp: 252817

Ion Ratio Lower Upper

149 100

177 23.4 18.3 27.5

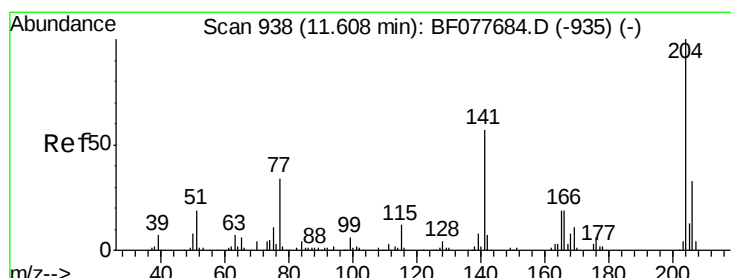
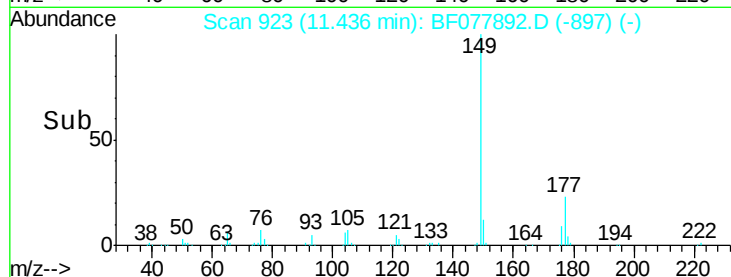
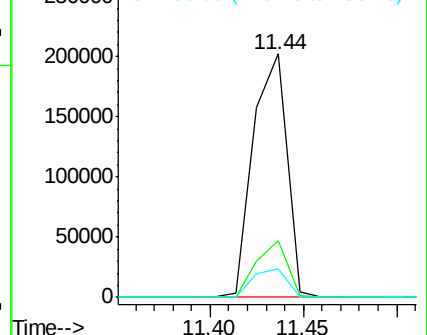
150 11.9 9.8 14.8



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: 36.14 ng

RT: 11.55 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

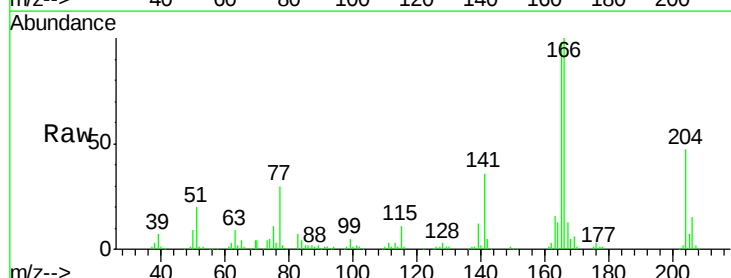
Tgt Ion:204 Resp: 112480

Ion Ratio Lower Upper

204 100

206 31.5 26.6 39.8

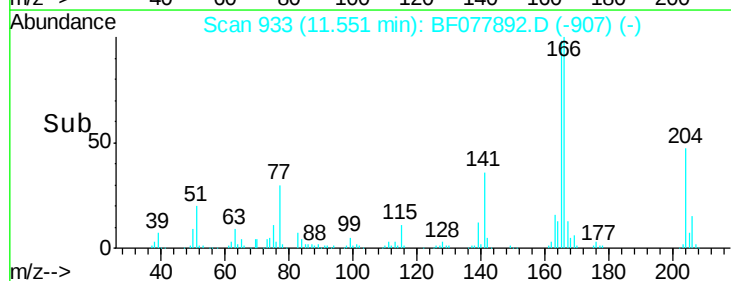
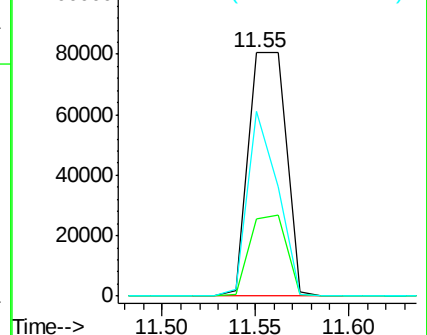
141 75.9 45.2 67.8#

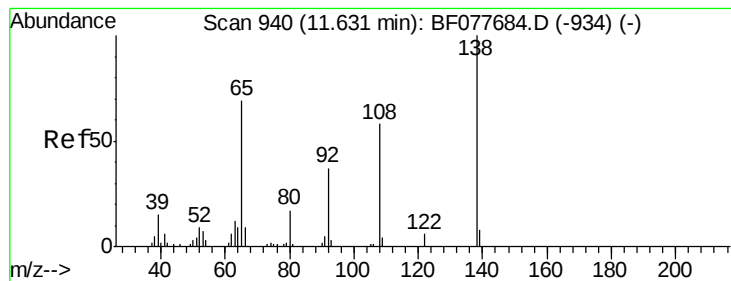


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

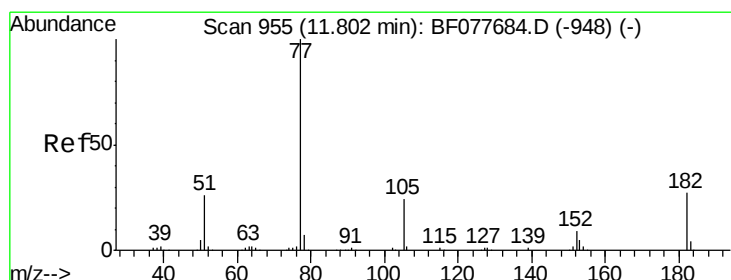
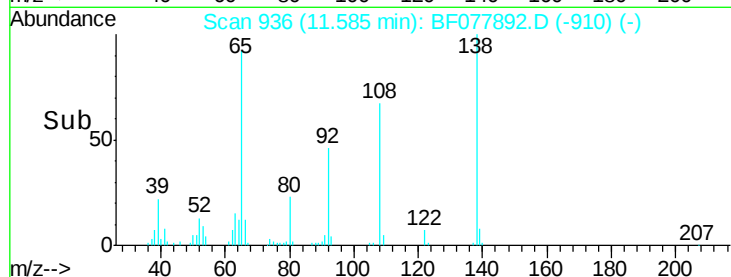
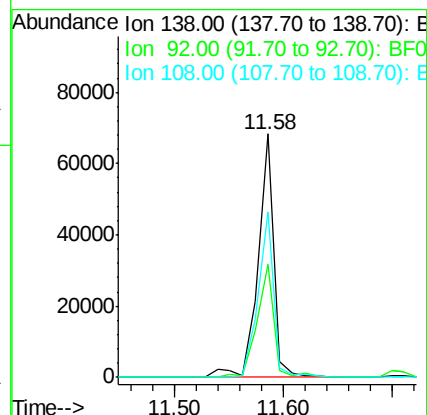
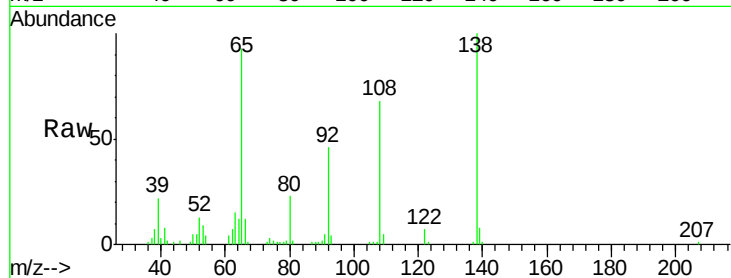




#61  
4-Nitroaniline  
Concen: 43.57 ng  
RT: 11.58 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

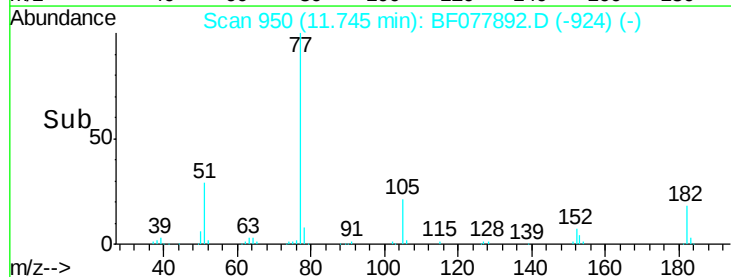
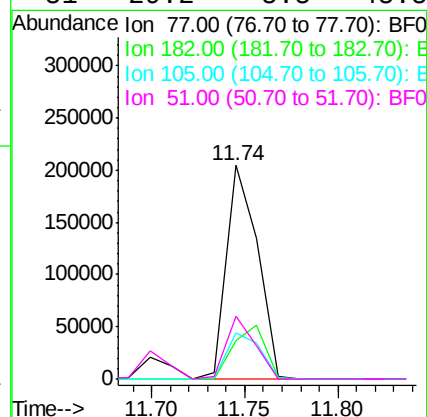
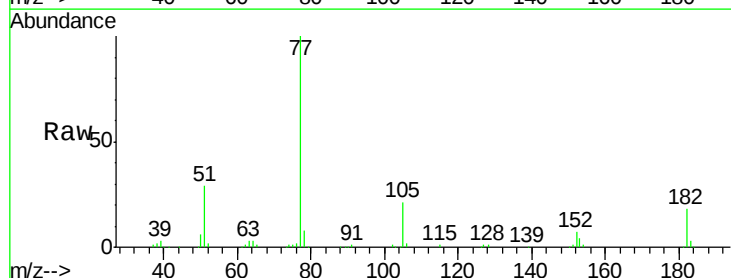
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

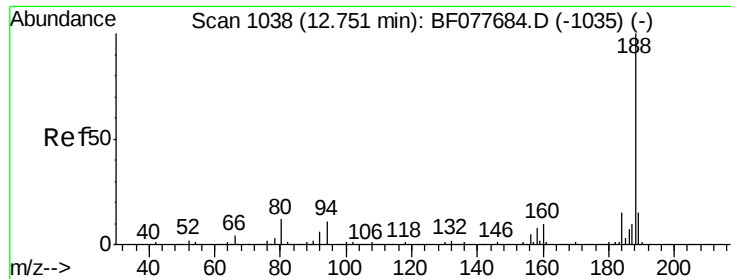
Tot Ion:138 Resp: 69307  
Ion Ratio Lower Upper  
138 100  
92 46.3 16.7 56.7  
108 67.9 37.6 77.6



#62  
Azobenzene  
Concen: 38.60 ng  
RT: 11.74 min Scan# 950  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion: 77 Resp: 238326  
Ion Ratio Lower Upper  
77 100  
182 17.9 6.5 46.5  
105 21.4 3.8 43.8  
51 29.2 5.5 45.5

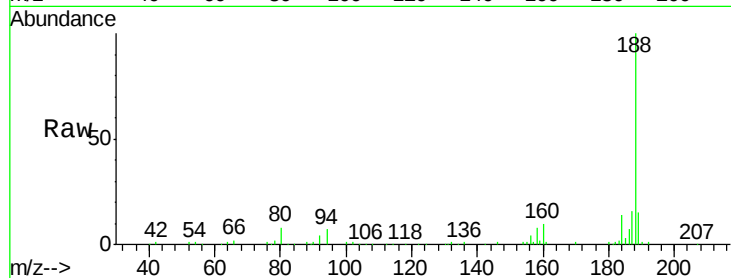




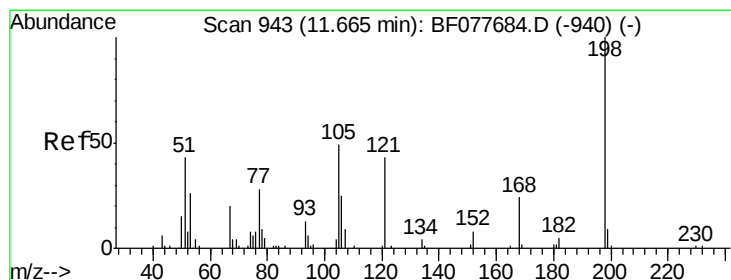
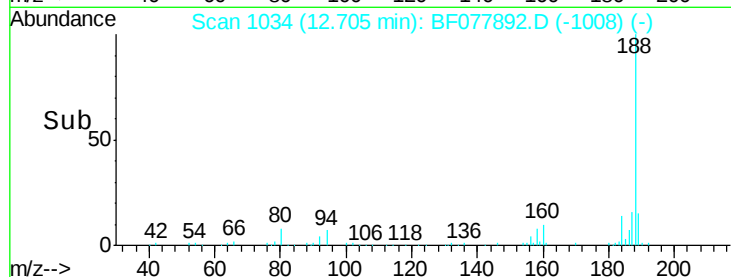
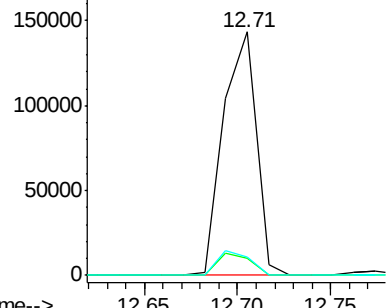
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.71 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tot Ion:188 Resp: 175782  
Ion Ratio Lower Upper  
188 100  
94 7.0 8.7 13.1#  
80 7.8 9.3 13.9#

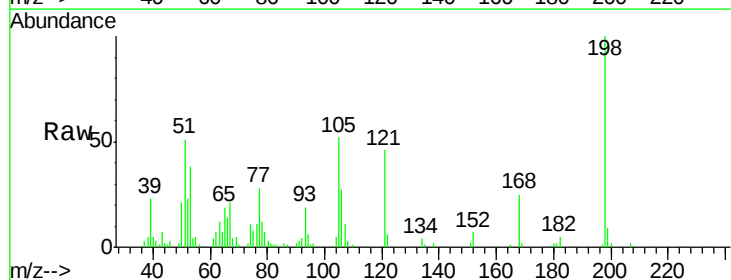


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

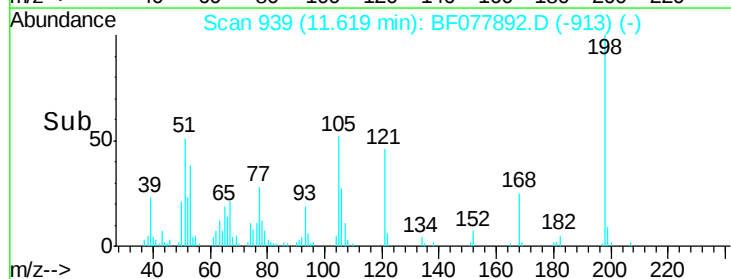
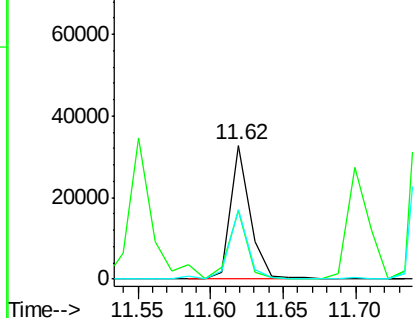


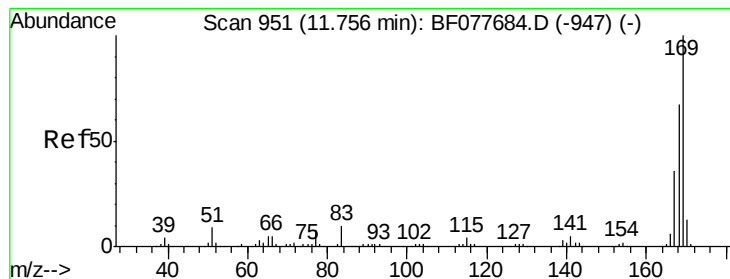
#64  
4,6-Dinitro-2-methylphenol  
Concen: 38.29 ng  
RT: 11.62 min Scan# 939  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:198 Resp: 30990  
Ion Ratio Lower Upper  
198 100  
51 51.0 28.8 68.8  
105 52.0 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

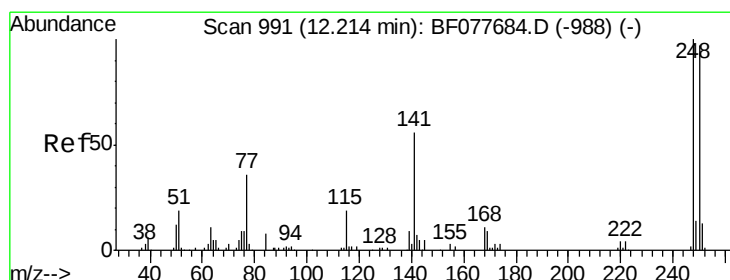
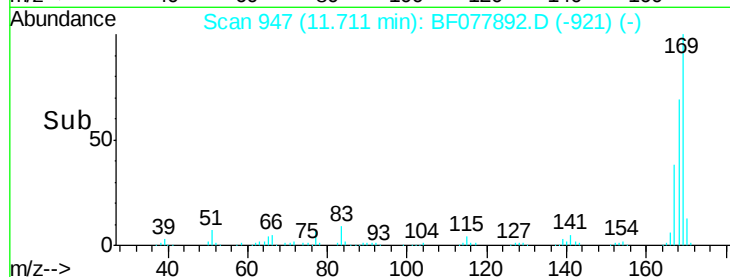
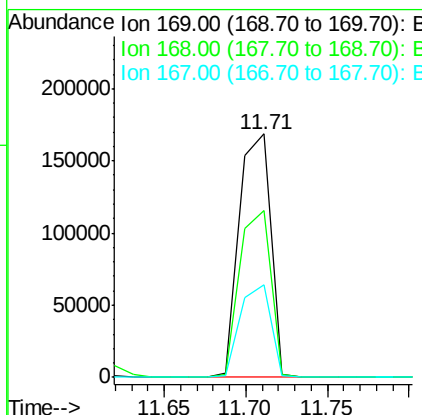
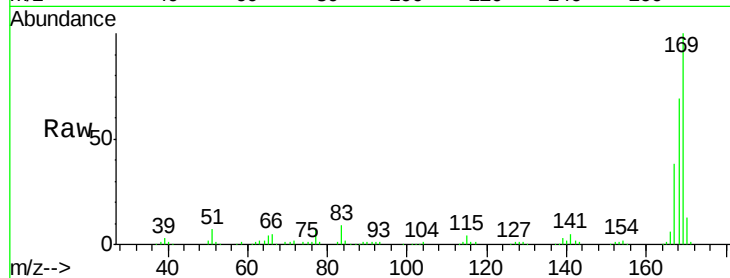




#65  
 n-Nitrosodiphenylamine  
 Concen: 38.40 ng  
 RT: 11.71 min Scan# 947  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

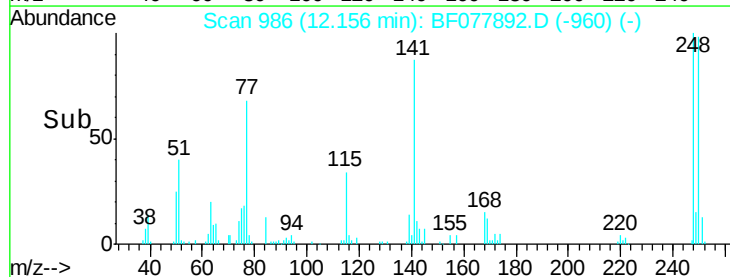
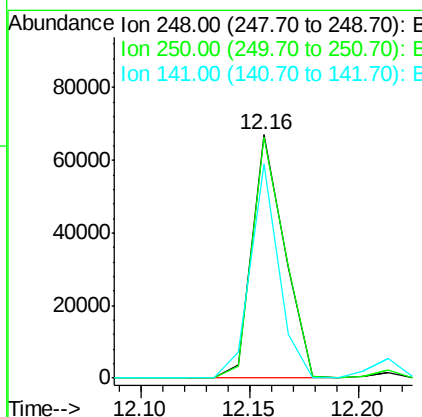
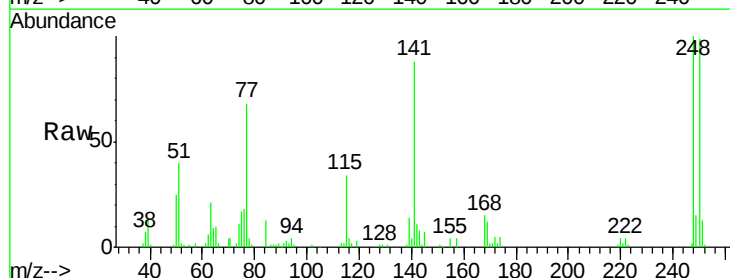
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

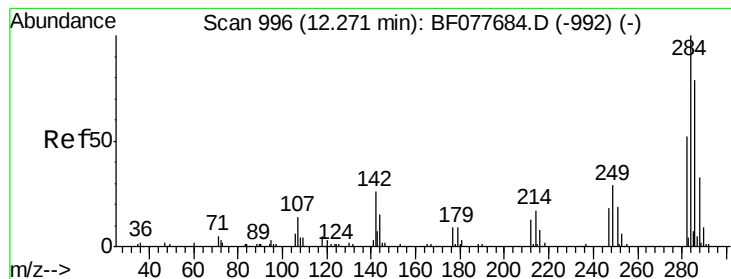
Tot Ion:169 Resp: 224774  
 Ion Ratio Lower Upper  
 169 100  
 168 68.7 53.9 80.9  
 167 38.3 28.9 43.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 37.10 ng  
 RT: 12.16 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:248 Resp: 69601  
 Ion Ratio Lower Upper  
 248 100  
 250 98.9 77.4 116.0  
 141 88.1 45.2 67.8#





#67

Hexachlorobenzene

Concen: 37.39 ng

RT: 12.21 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

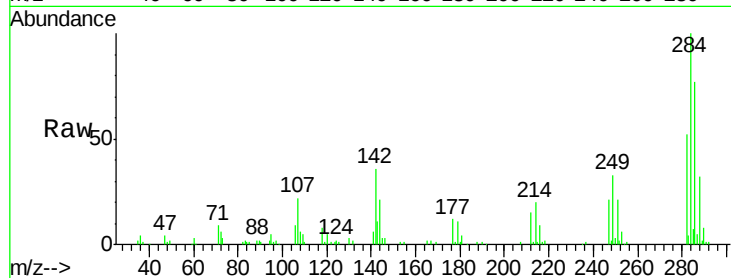
Tot Ion:284 Resp: 77066

Ion Ratio Lower Upper

284 100

142 35.6 20.4 30.6#

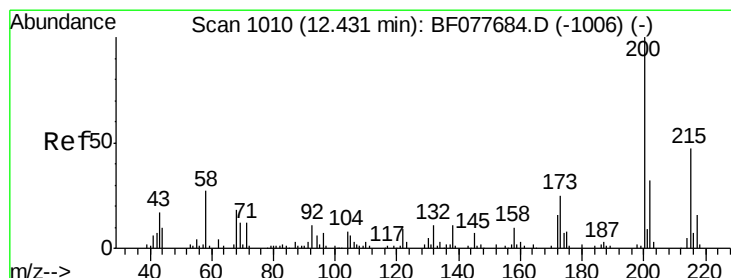
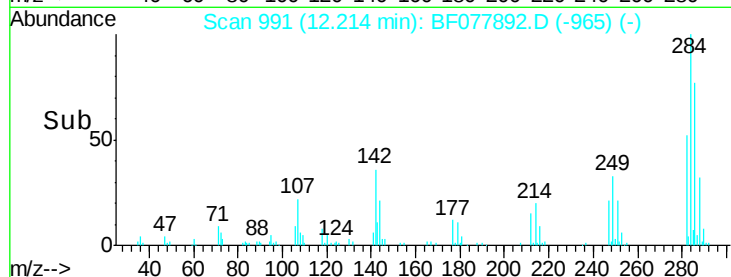
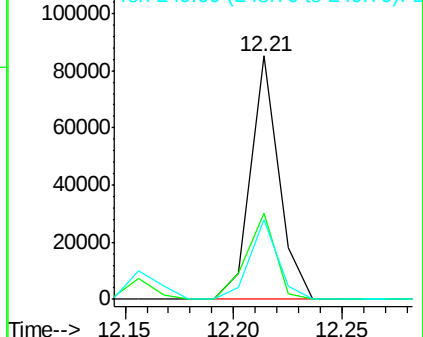
249 32.6 23.8 35.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 36.70 ng

RT: 12.39 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

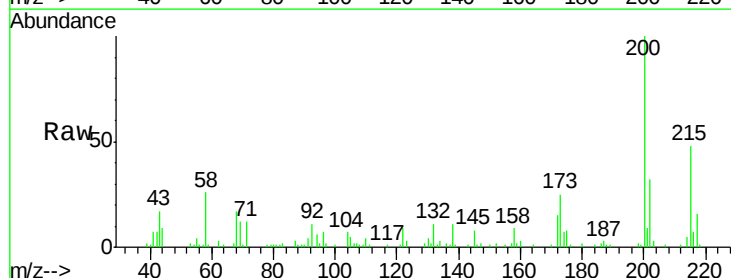
Tgt Ion:200 Resp: 60201

Ion Ratio Lower Upper

200 100

173 25.1 4.8 44.8

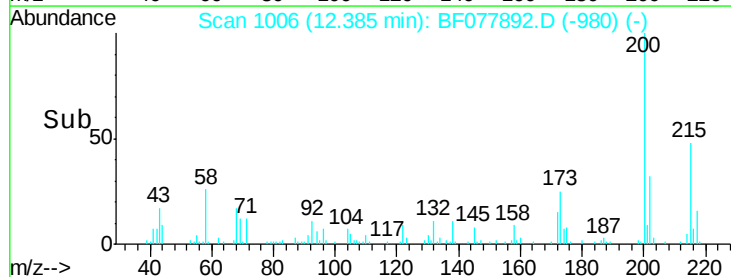
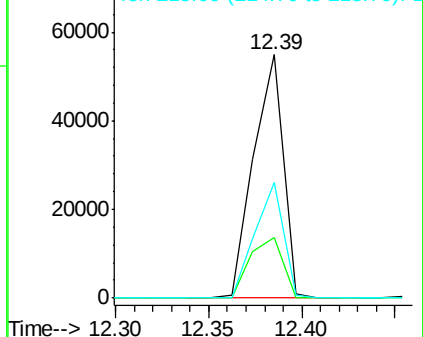
215 47.5 26.9 66.9

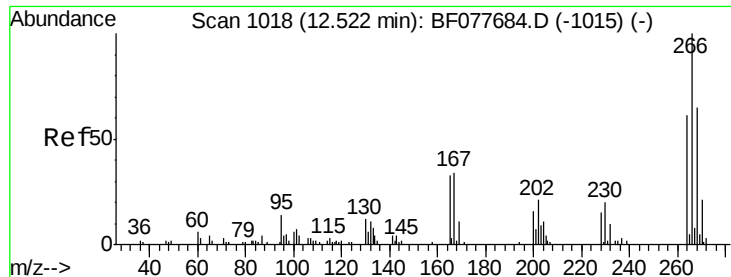


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

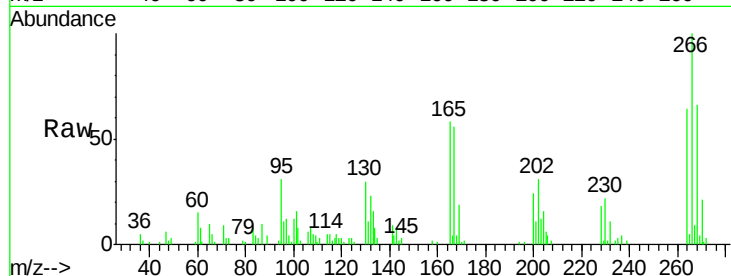




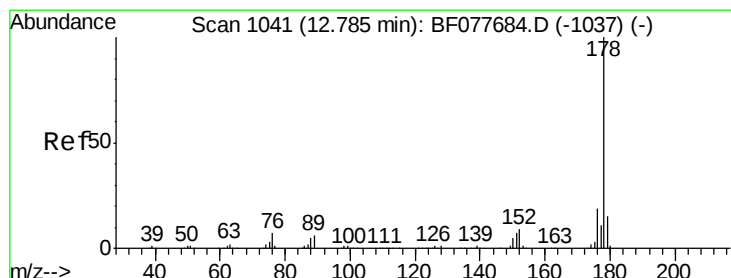
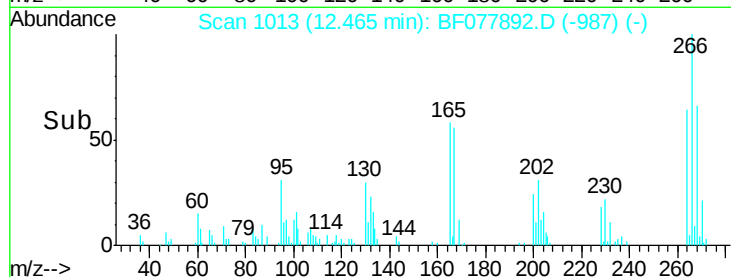
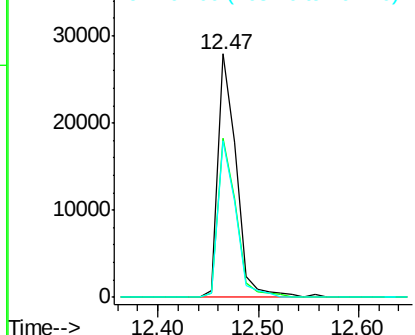
#69  
 Pentachlorophenol  
 Concen: 34.77 ng  
 RT: 12.47 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:266 Resp: 35576  
 Ion Ratio Lower Upper  
 266 100  
 268 65.6 52.0 78.0  
 264 64.2 49.0 73.4

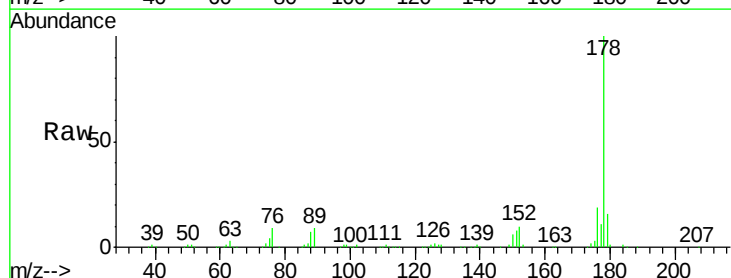


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

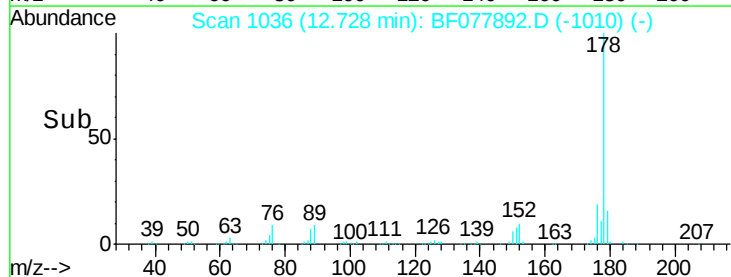
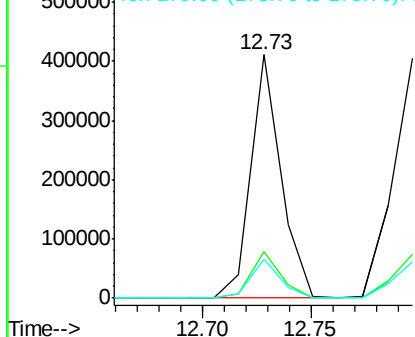


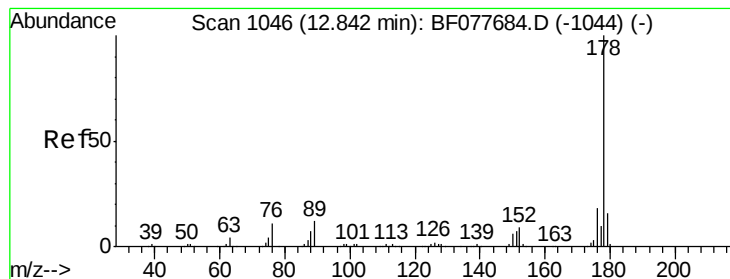
#70  
 Phenanthrene  
 Concen: 39.14 ng  
 RT: 12.73 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:178 Resp: 394973  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.2 22.8  
 179 15.8 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: 40.48 ng

RT: 12.80 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

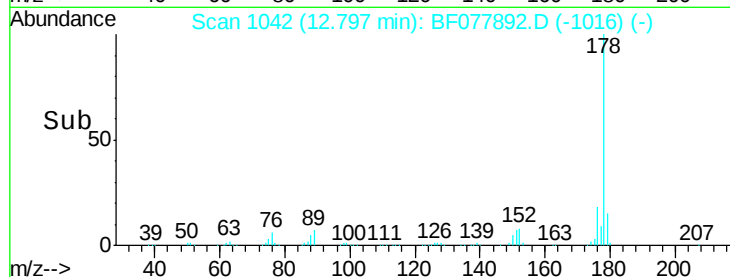
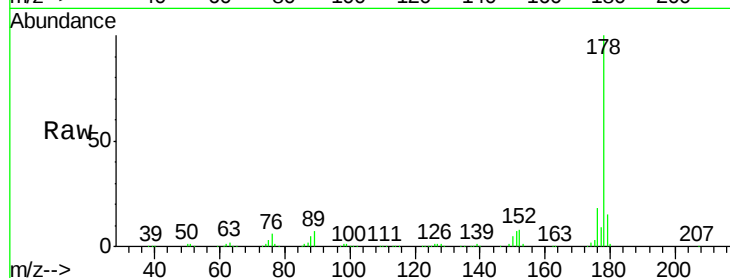
BNA\_F

ClientSampleId :

SSTDCCC040

Tot Ion:178 Resp: 403586

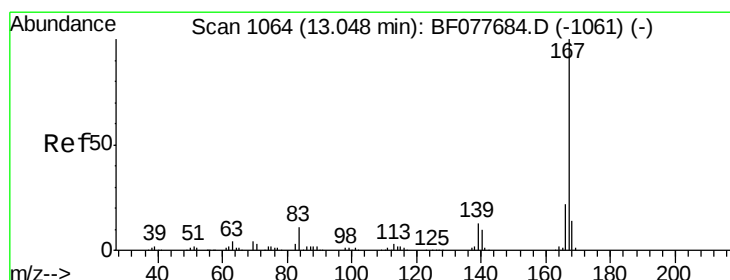
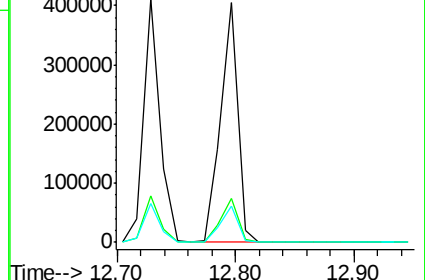
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.4  | 14.6  | 22.0  |
| 179 | 15.3  | 12.6  | 19.0  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.08 ng

RT: 13.00 min Scan# 1060

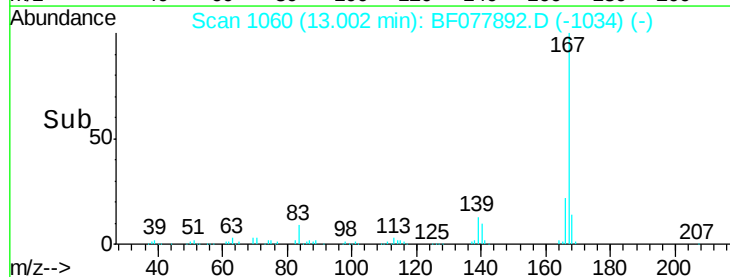
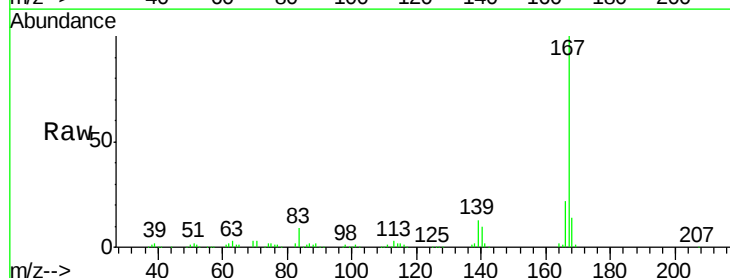
Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Tgt Ion:167 Resp: 380075

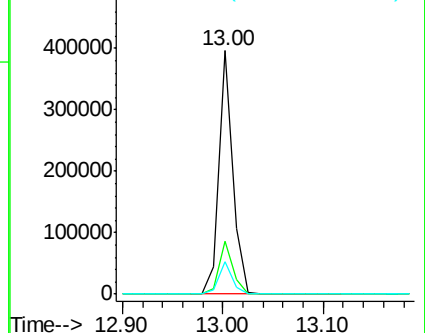
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.6  | 17.2  | 25.8  |
| 139 | 13.1  | 10.8  | 16.2  |

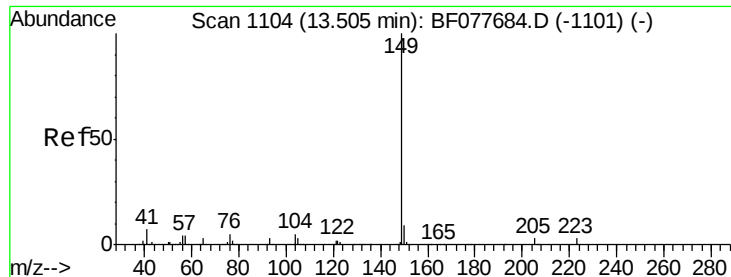


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

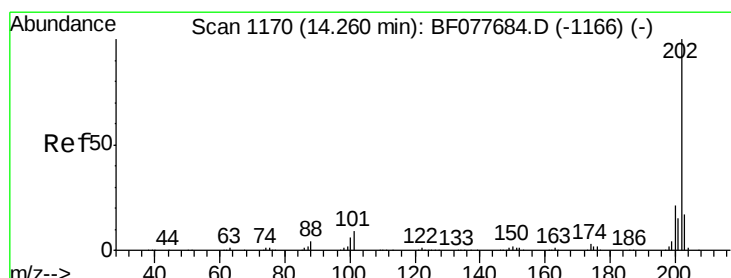
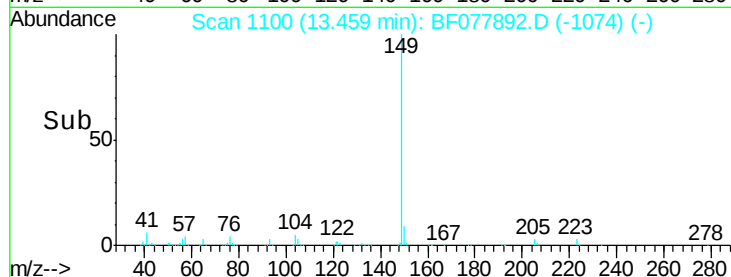
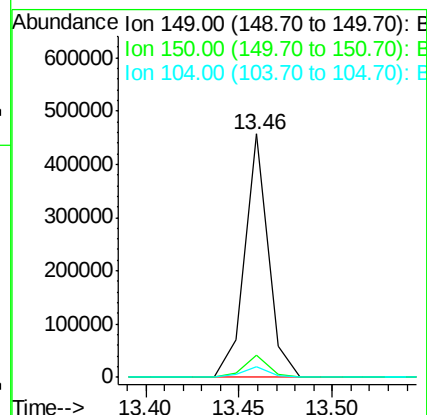
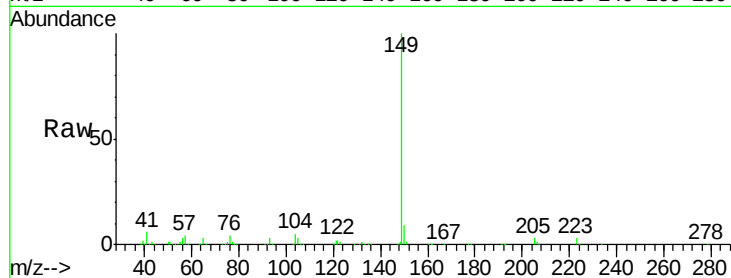




#73  
Di-n-butylphthalate  
Concen: 37.98 ng  
RT: 13.46 min Scan# 1100  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

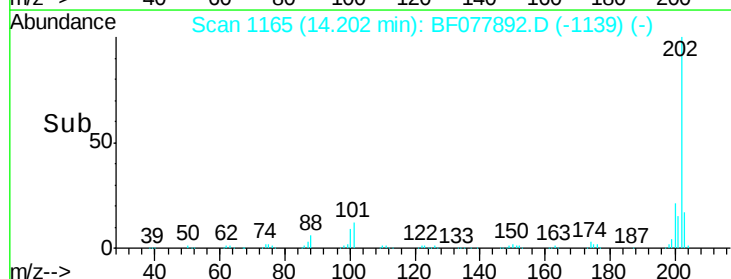
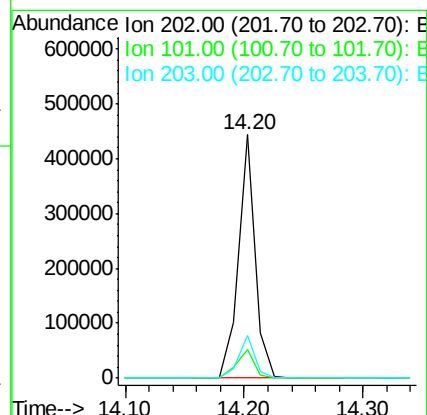
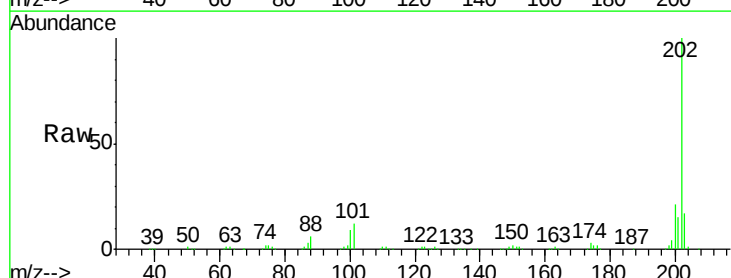
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

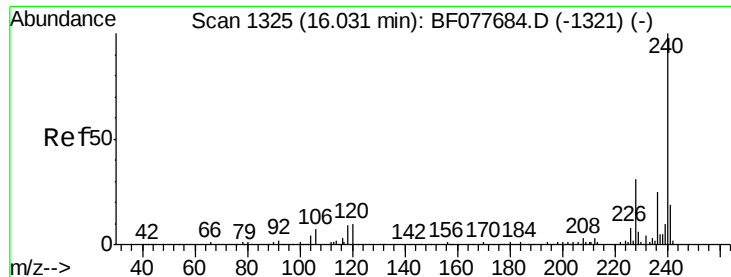
Tot Ion:149 Resp: 403828  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.5 11.3  
104 4.5 3.7 5.5



#74  
Fluoranthene  
Concen: 39.02 ng  
RT: 14.20 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:202 Resp: 434264  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 28.7  
203 17.4 0.0 37.2

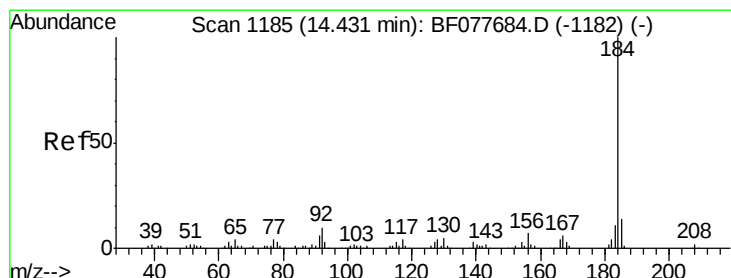
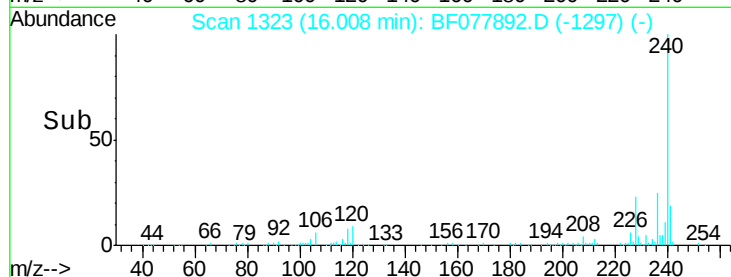
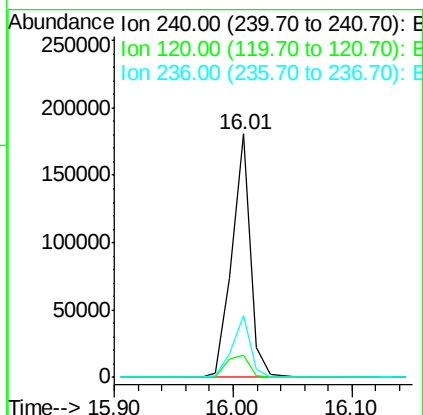
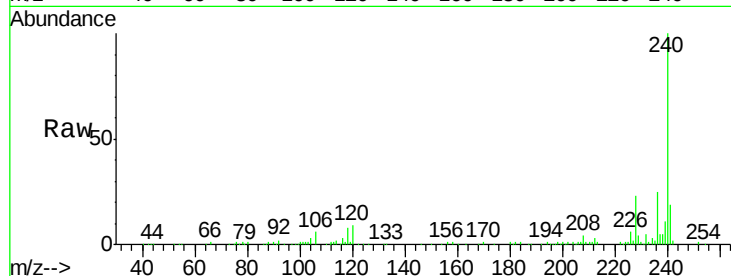




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.01 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

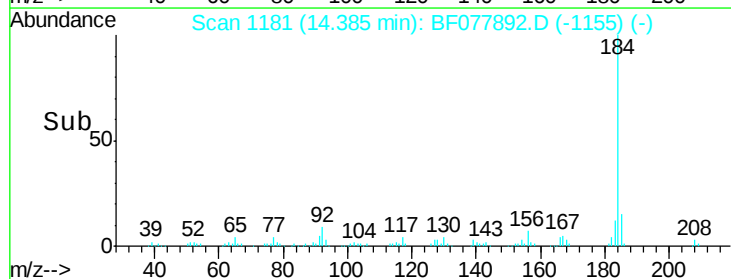
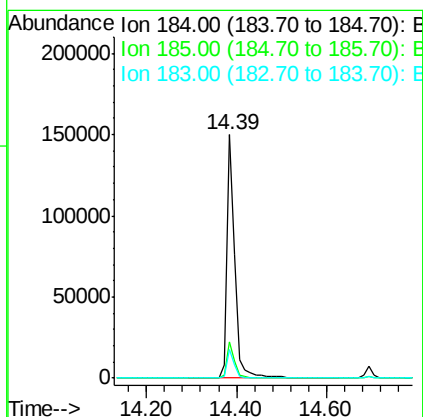
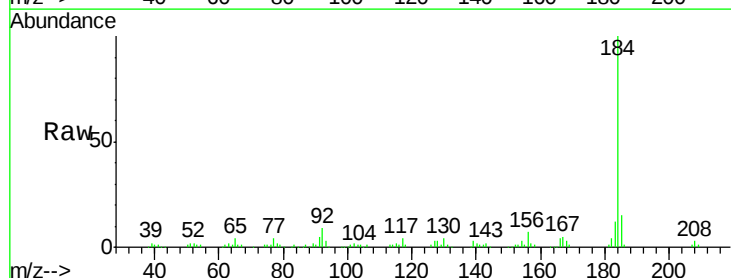
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

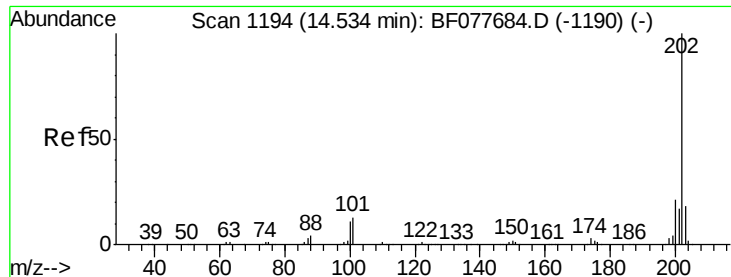
Tot Ion:240 Resp: 194104  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.2 12.2  
236 25.4 20.0 30.0



#76  
Benzidine  
Concen: 38.30 ng  
RT: 14.39 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:184 Resp: 183985  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.3 16.9  
183 11.9 8.9 13.3

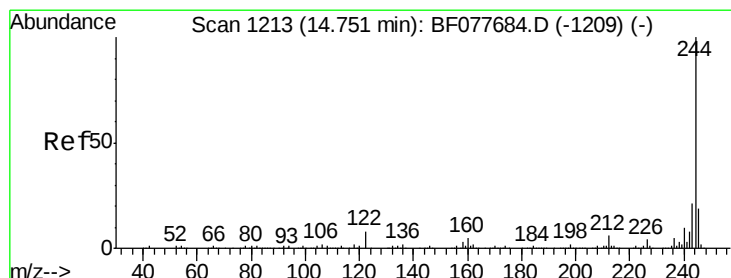
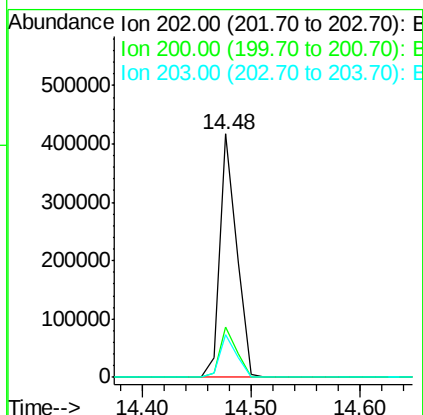
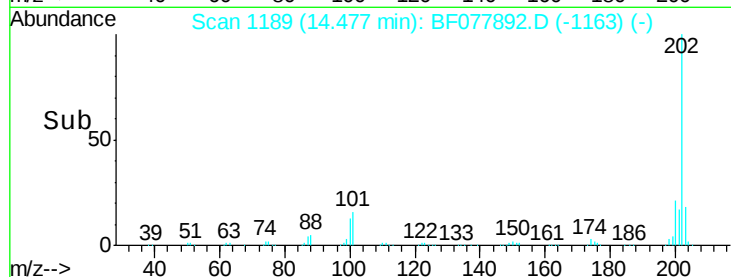
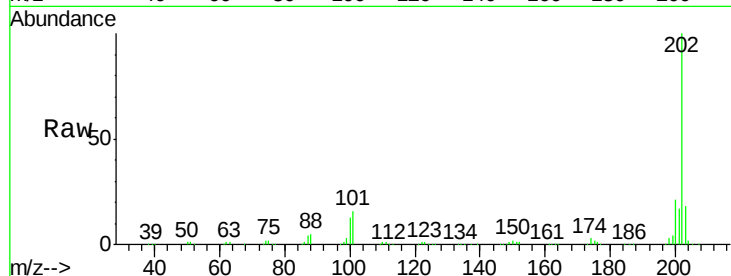




#77  
Pvrene  
Concen: 36.86 ng  
RT: 14.48 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

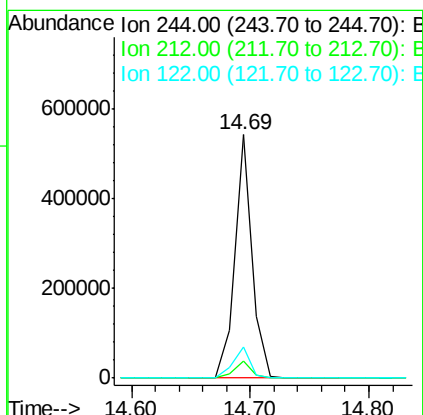
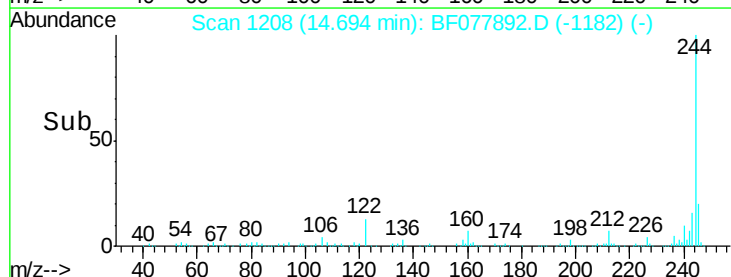
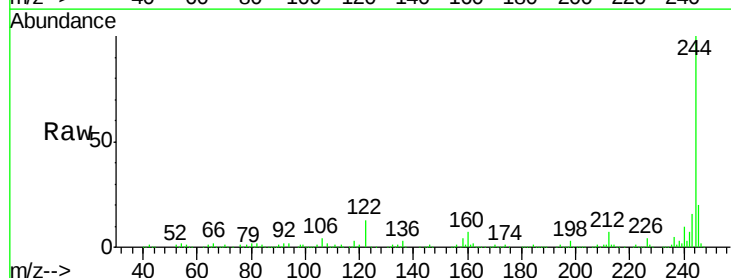
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

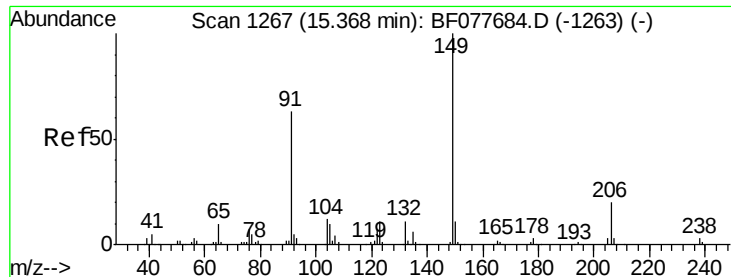
Tot Ion:202 Resp: 449868  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.9 25.3  
203 17.7 14.1 21.1



#78  
Terphenyl-d14  
Concen: 68.14 ng  
RT: 14.69 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:244 Resp: 541427  
Ion Ratio Lower Upper  
244 100  
212 6.9 4.9 7.3  
122 13.0 6.2 9.4#

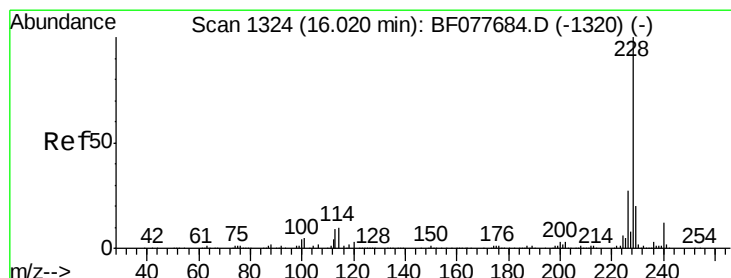
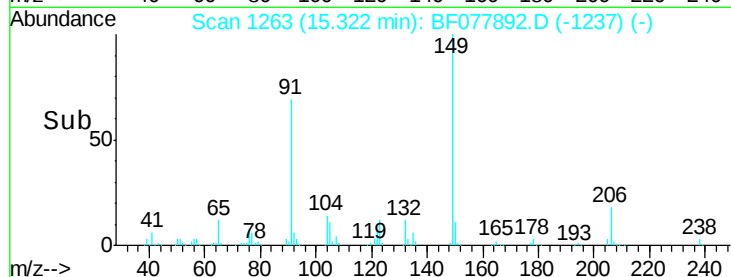
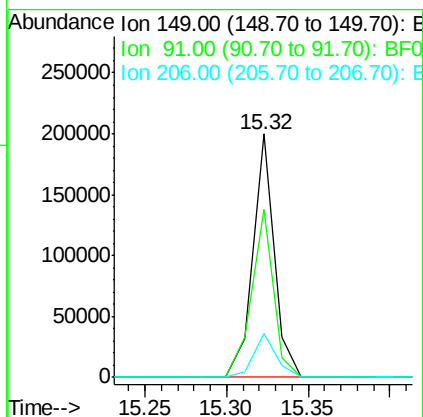
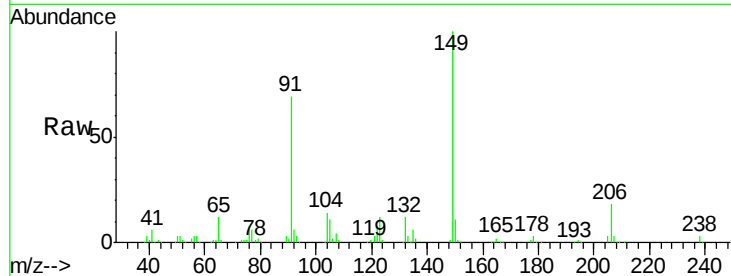




#79  
Butylbenzylphthalate  
Concen: 37.81 ng  
RT: 15.32 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

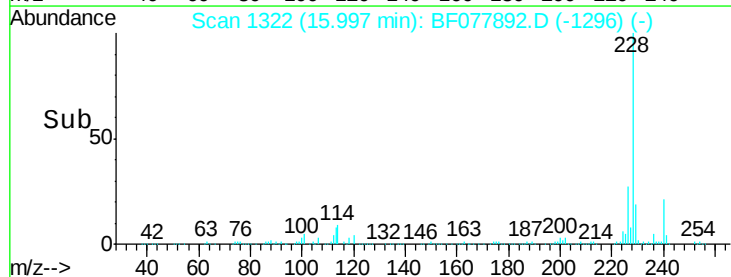
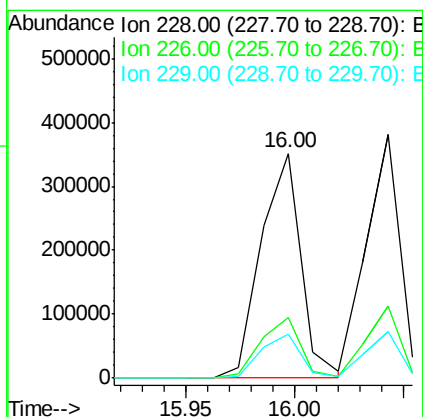
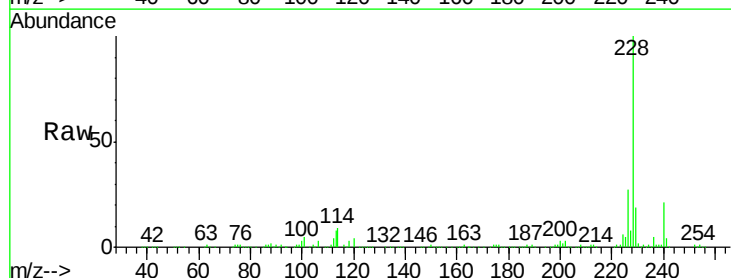
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

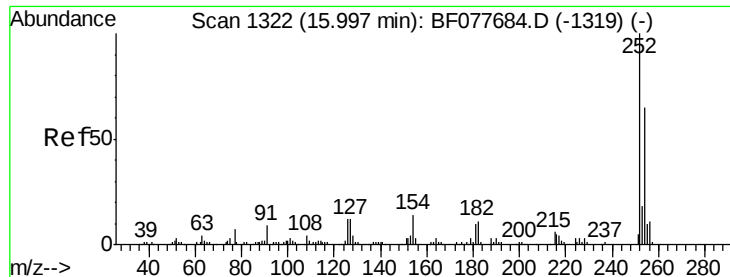
Tot Ion:149 Resp: 181971  
Ion Ratio Lower Upper  
149 100  
91 69.1 50.1 75.1  
206 18.0 16.2 24.2



#80  
Benzo(a)anthracene  
Concen: 39.15 ng  
RT: 16.00 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:228 Resp: 450482  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.7 32.5  
229 19.3 16.0 24.0

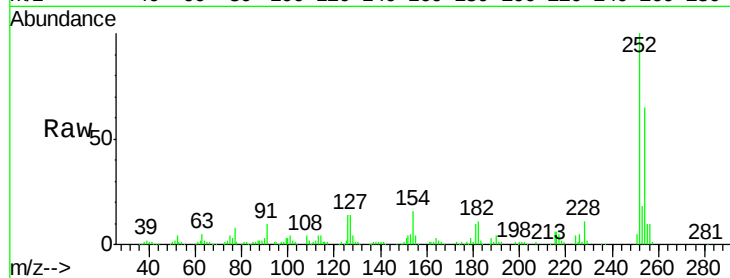




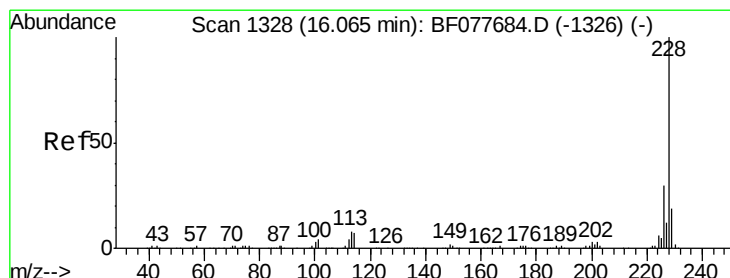
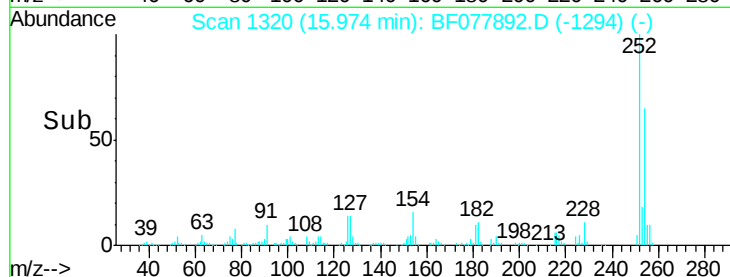
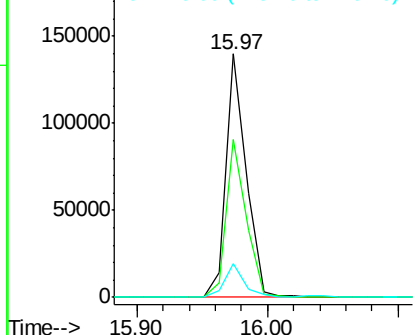
#81  
 3,3'-Dichlorobenzidine  
 Concen: 39.61 ng  
 RT: 15.97 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:252 Resp: 150340  
 Ion Ratio Lower Upper  
 252 100  
 254 64.7 51.9 77.9  
 126 13.9 9.8 14.8

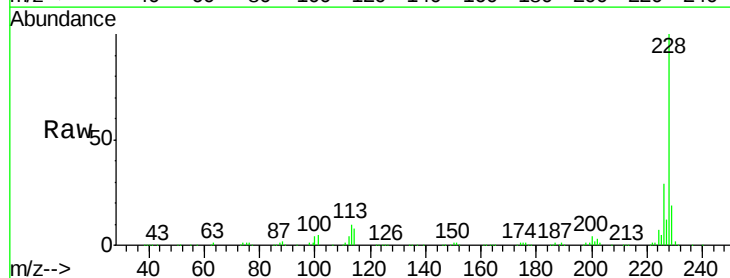


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

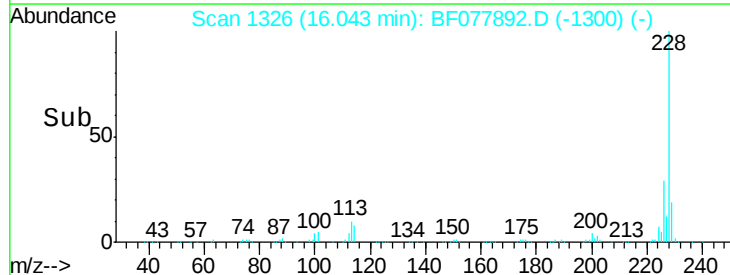
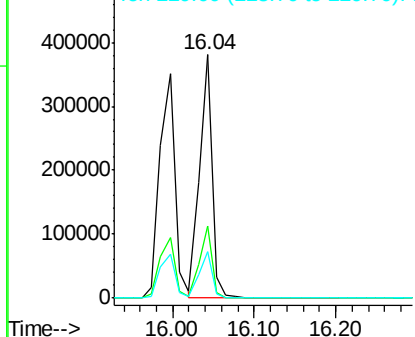


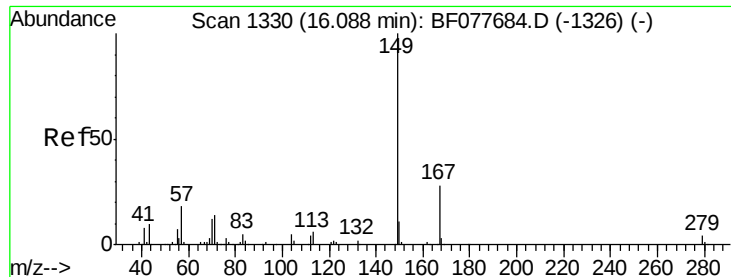
#82  
 Chrysene  
 Concen: 40.31 ng  
 RT: 16.04 min Scan# 1326  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:228 Resp: 417084  
 Ion Ratio Lower Upper  
 228 100  
 226 29.4 24.1 36.1  
 229 19.2 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: 35.75 ng

RT: 16.07 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

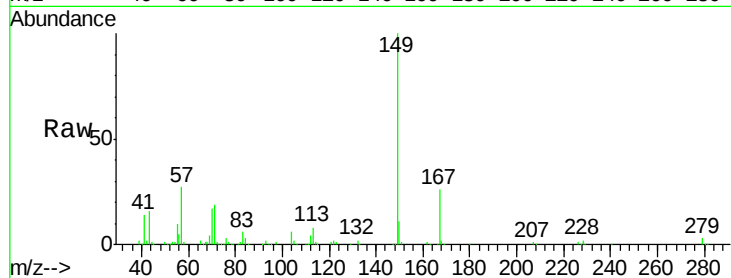
Tot Ion:149 Resp: 260600

Ion Ratio Lower Upper

149 100

167 25.6 22.4 33.6

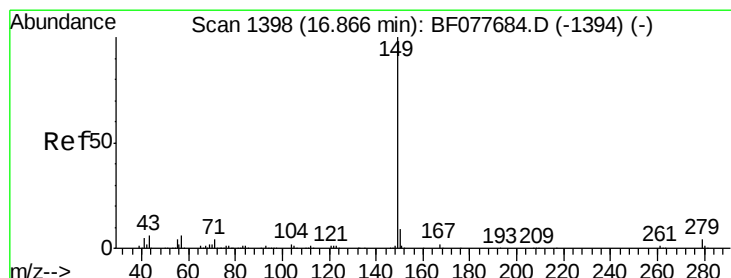
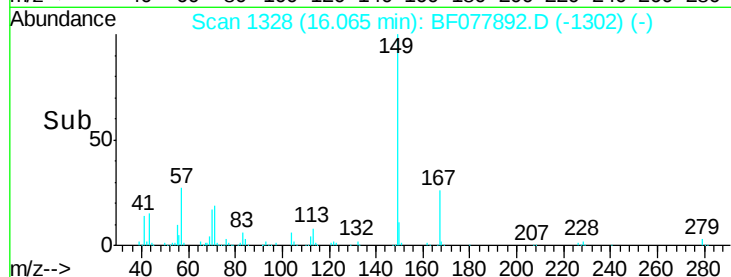
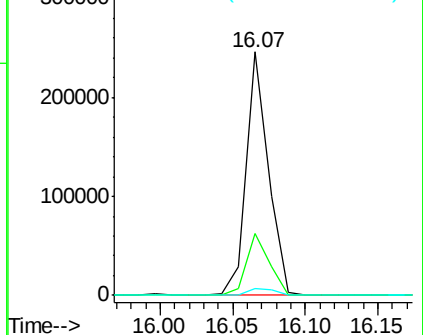
279 2.6 3.4 5.0#



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: 35.35 ng

RT: 16.90 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BF077892.D

Acq: 23 Mar 2015 13:38

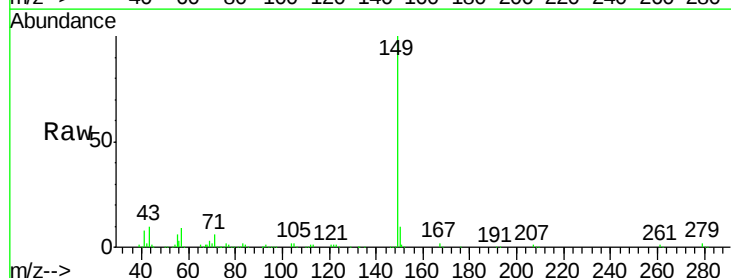
Tgt Ion:149 Resp: 440630

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

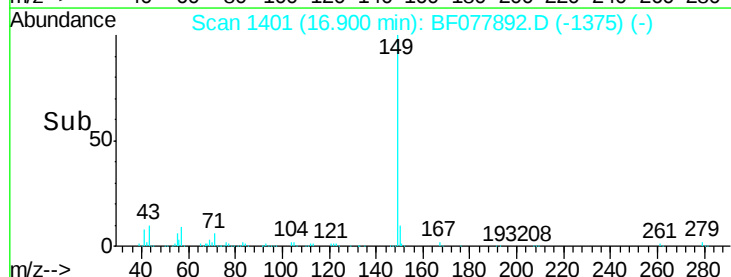
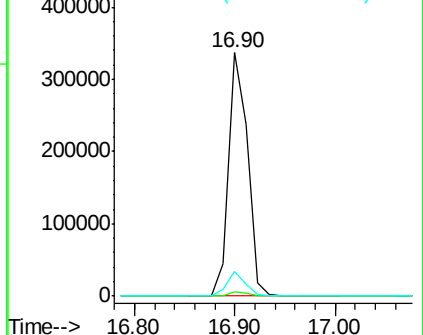
43 9.5 7.3 10.9

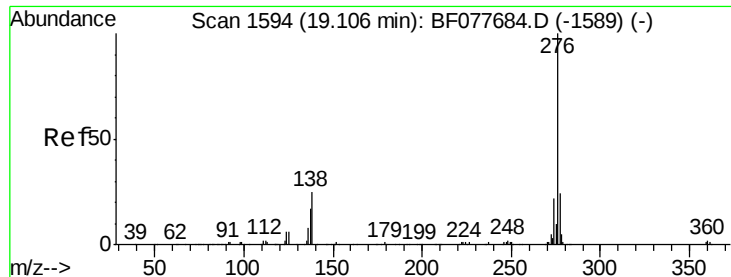


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

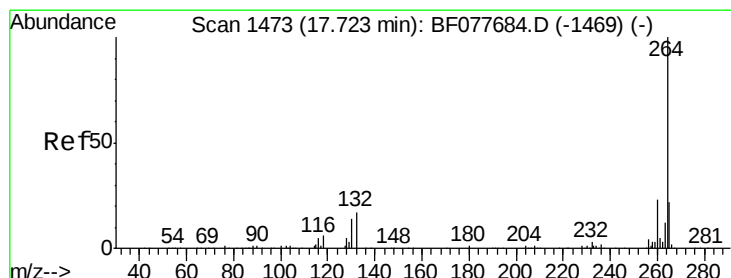
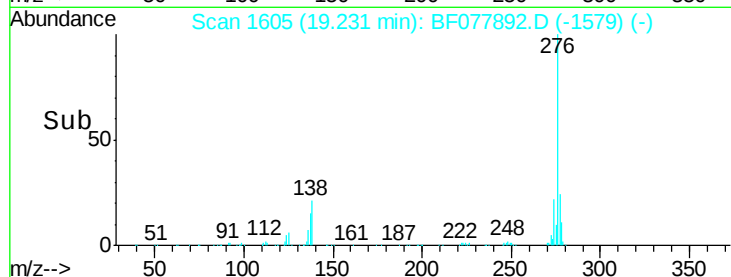
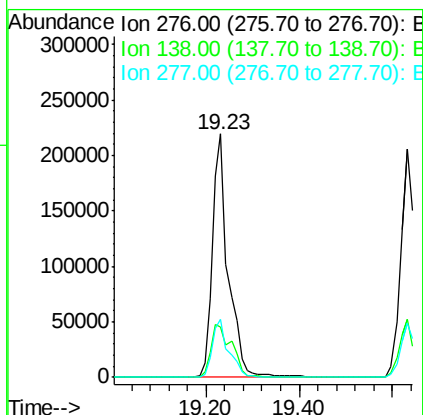
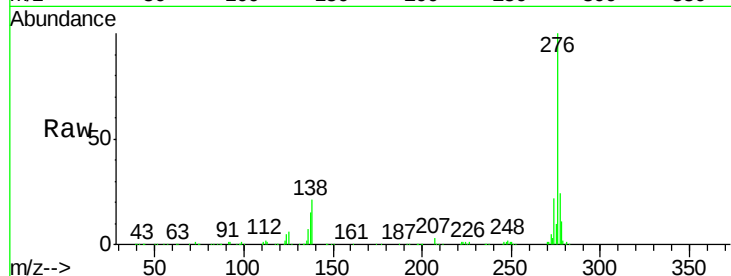




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.19 ng  
 RT: 19.23 min Scan# 1605  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

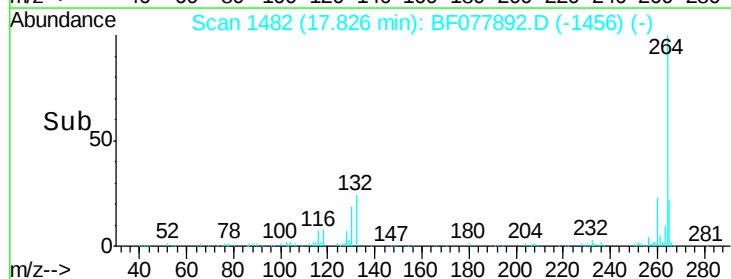
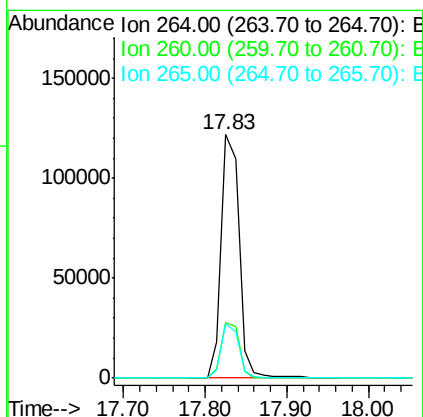
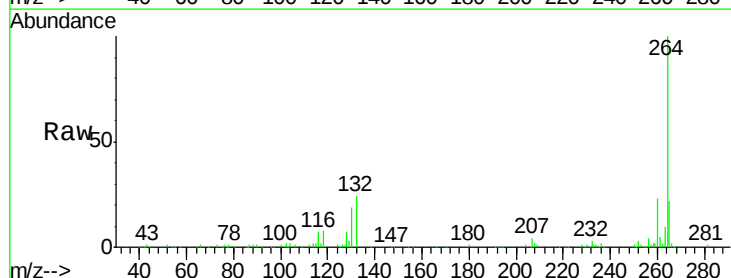
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

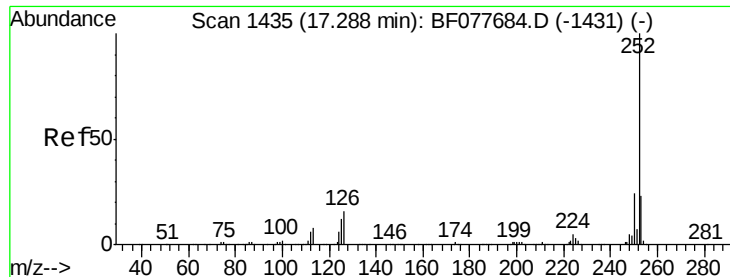
Tot Ion:276 Resp: 518979  
 Ion Ratio Lower Upper  
 276 100  
 138 28.6 0.0 0.0#  
 277 24.8 0.0 0.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.83 min Scan# 1482  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Tgt Ion:264 Resp: 186797  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 18.6 27.8  
 265 22.1 17.3 25.9

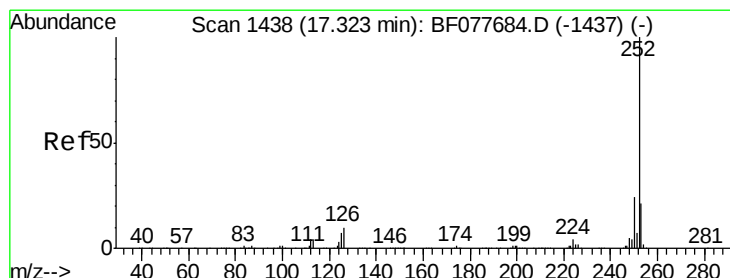
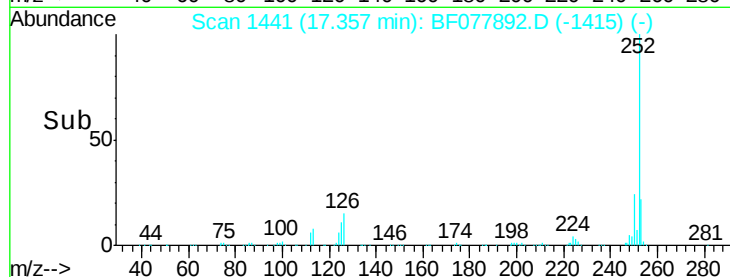
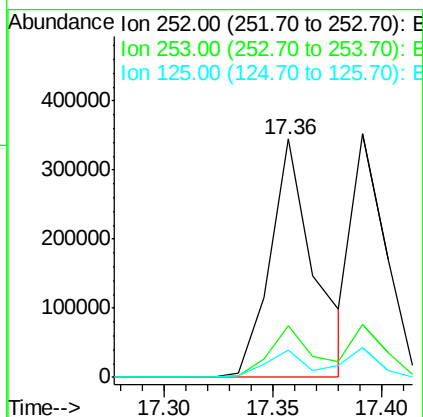
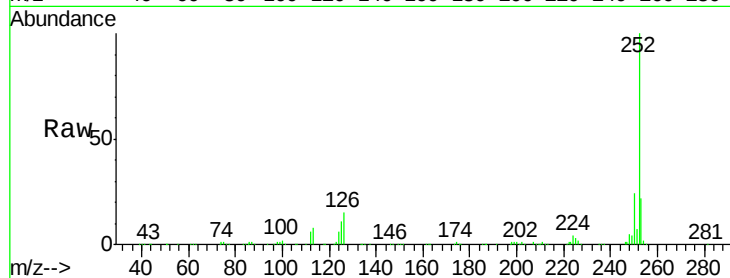




#87  
Benzo(b)fluoranthene  
Concen: 40.14 ng  
RT: 17.36 min Scan# 1441  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

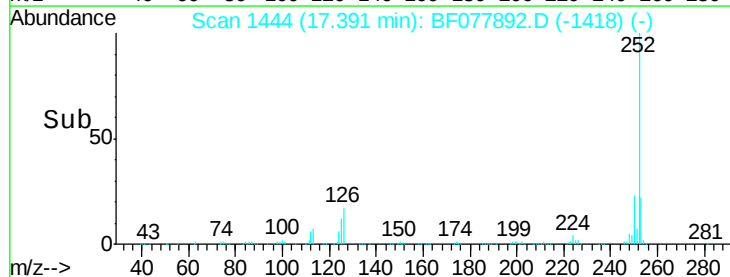
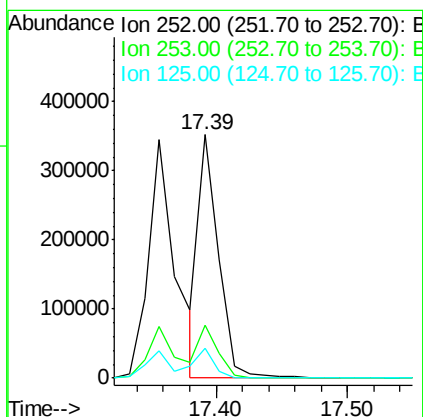
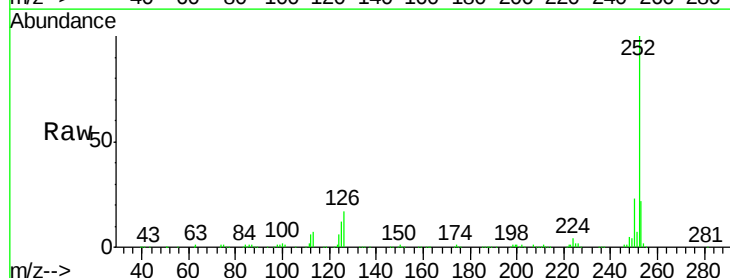
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

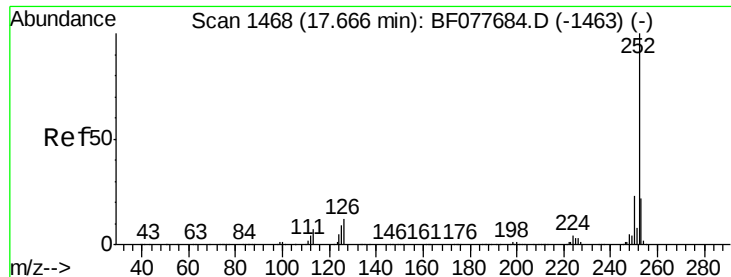
Tot Ion:252 Resp: 489467  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.0 27.0  
125 11.4 9.9 14.9



#88  
Benzo(k)fluoranthene  
Concen: 40.24 ng m  
RT: 17.39 min Scan# 1444  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:252 Resp: 383315  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.2 25.8  
125 12.1 8.1 12.1#

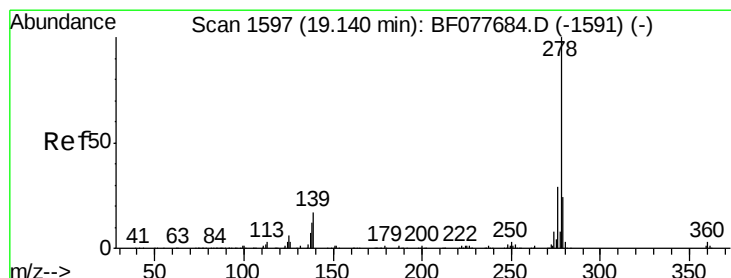
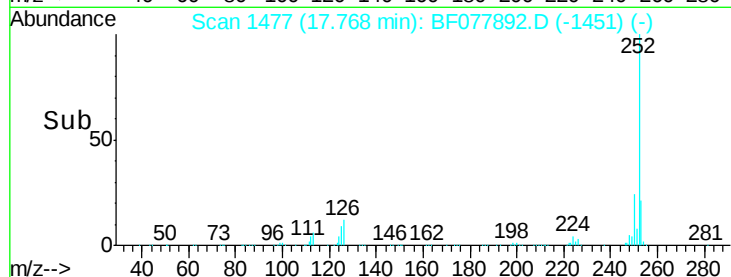
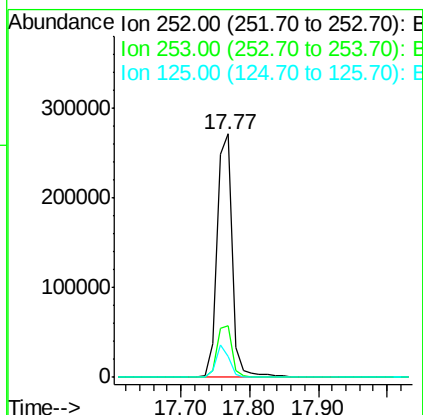
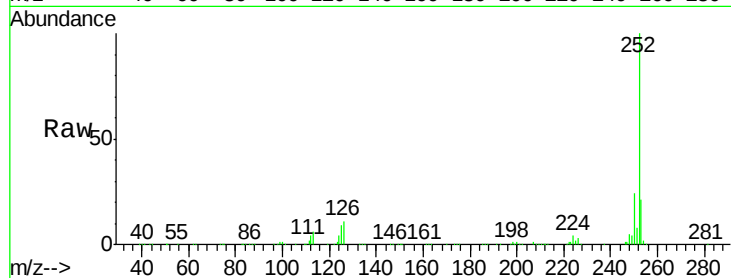




#89  
Benzo(a)pyrene  
Concen: 41.87 ng  
RT: 17.77 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

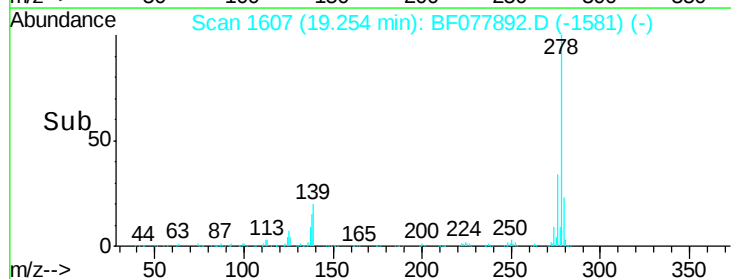
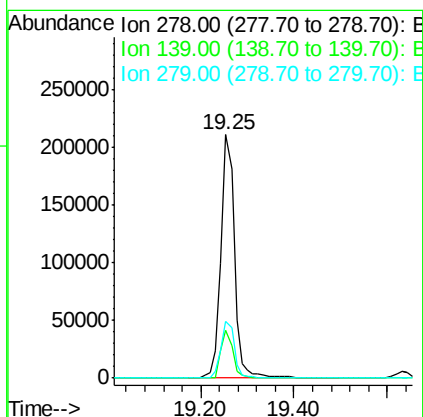
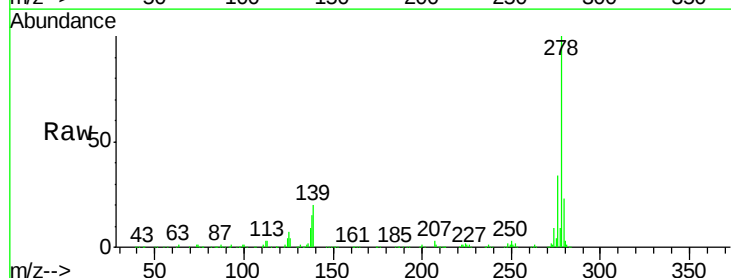
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

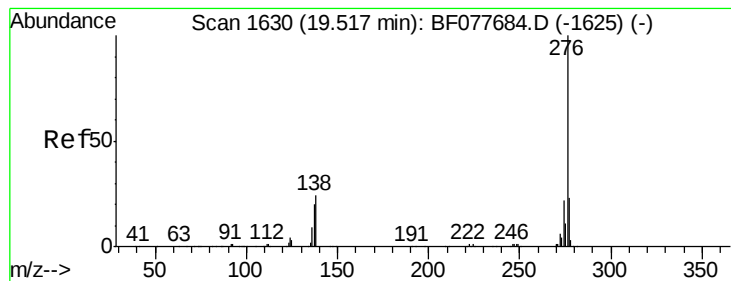
Tot Ion:252 Resp: 426032  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.6 26.4  
125 8.7 7.4 11.2



#90  
Dibenzo(a,h)anthracene  
Concen: 41.94 ng  
RT: 19.25 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: BF077892.D  
Acq: 23 Mar 2015 13:38

Tgt Ion:278 Resp: 423260  
Ion Ratio Lower Upper  
278 100  
139 19.6 13.4 20.0  
279 23.3 19.0 28.4

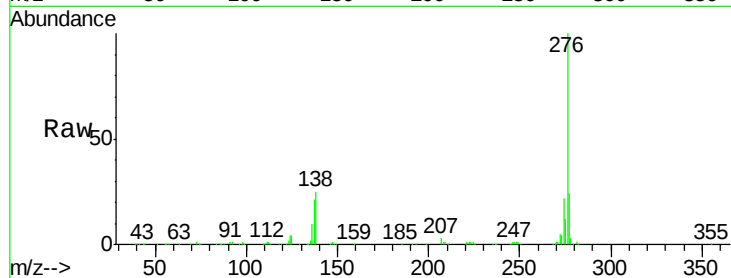




#91  
 Benzo(a,h,i)perylene  
 Concen: 41.34 ng  
 RT: 19.63 min Scan# 1640  
 Delta R.T. 0.00 min  
 Lab File: BF077892.D  
 Acq: 23 Mar 2015 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 18.5  | 27.7  |
| 138     | 25.4  | 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

