

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF010816\  
 Data File : BF084330.D  
 Acq On : 8 Jan 2016 16:18  
 Operator : SJ/UM  
 Sample : PB87668BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Quant Time: Jan 08 22:14:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 249314   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.14  | 136  | 1054539  | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.90  | 164  | 490427   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.38 | 188  | 906268   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 14.02 | 240  | 661857   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.45 | 264  | 570559   | 20.00 | ng    | -0.06    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 1171094 | 75.98 | ng | -0.02 |
| 7) Phenol-d6             | 6.50  | 99  | 1521339 | 78.59 | ng | -0.03 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 1360098 | 71.78 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 420997  | 85.03 | ng | -0.05 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 2340161 | 83.86 | ng | -0.03 |
| 78) Terphenyl-d14        | 12.97 | 244 | 2228259 | 75.15 | ng | -0.05 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.54 | 88  | 239308  | 32.77 | ng | # 75   |
| 3) Pyridine                    | 3.25 | 79  | 720777  | 35.41 | ng | # 70   |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 382698  | 36.62 | ng | 79     |
| 6) Aniline                     | 6.52 | 93  | 508309  | 17.95 | ng | 96     |
| 8) 2-Chlorophenol              | 6.65 | 128 | 714039  | 40.83 | ng | 96     |
| 9) Benzaldehyde                | 6.40 | 77  | 155652  | 12.35 | ng | 94     |
| 10) Phenol                     | 6.51 | 94  | 735653  | 33.42 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 648116  | 38.01 | ng | # 79   |
| 12) 1,3-Dichlorobenzene        | 6.88 | 146 | 734259  | 40.70 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.88 | 146 | 734259  | 40.59 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 616888  | 35.61 | ng | 97     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 545200  | 33.48 | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45  | 1073289 | 34.57 | ng | 85     |
| 17) 2-Methylphenol             | 7.13 | 107 | 587797  | 40.10 | ng | 95     |
| 18) Hexachloroethane           | 7.37 | 117 | 269571  | 37.26 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 454265  | 34.66 | ng | # 73   |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 647487  | 37.58 | ng | # 68   |
| 22) Acetophenone               | 7.26 | 105 | 972626  | 38.36 | ng | 94     |
| 24) Nitrobenzene               | 7.45 | 77  | 782902  | 40.74 | ng | 93     |
| 25) Isophorone                 | 7.69 | 82  | 1360769 | 37.55 | ng | 97     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 344794  | 39.42 | ng | # 75   |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 617308  | 34.87 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 810423  | 36.61 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 590046  | 40.01 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 611577  | 40.17 | ng | # 96   |
| 31) Naphthalene                | 8.17 | 128 | 1867958 | 39.04 | ng | 98     |
| 32) Benzoic acid               | 7.92 | 122 | 284739  | 28.00 | ng | 93     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 179468  | 8.18  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.28 | 225 | 319205  | 36.47 | ng | 98     |
| 35) Caprolactam                | 8.59 | 113 | 130761  | 26.30 | ng | # 52   |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 659478  | 39.92 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 1250104 | 36.40 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 539514  | 38.27 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.01 | 237 | 614828  | 72.24 | ng | 97     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.14  | 196  | 388268   | 36.81 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 9.18  | 196  | 400463   | 39.60 | ng #  | 90       |
| 45) 1,1'-Biphenyl              | 9.32  | 154  | 1407291  | 36.11 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 1089354  | 35.58 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 453067   | 44.84 | ng #  | 85       |
| 48) Acenaphthylene             | 9.77  | 152  | 1816581  | 40.16 | ng    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 1432222  | 40.85 | ng #  | 90       |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 298929   | 38.87 | ng #  | 55       |
| 51) Acenaphthene               | 9.94  | 154  | 1316297  | 43.38 | ng    | 97       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 192128   | 20.16 | ng #  | 80       |
| 53) 2,4-Dinitrophenol          | 9.96  | 184  | 259136   | 79.15 | ng #  | 89       |
| 54) Dibenzofuran               | 10.11 | 168  | 1655034  | 41.91 | ng    | 97       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 450034   | 65.07 | ng #  | 78       |
| 56) 2,4-Dinitrotoluene         | 10.09 | 165  | 382538   | 39.31 | ng #  | 80       |
| 57) Fluorene                   | 10.45 | 166  | 1281871  | 42.03 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 317562   | 36.78 | ng    | 97       |
| 59) Diethylphthalate           | 10.33 | 149  | 1299846  | 37.60 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204  | 580103   | 45.30 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 349351   | 41.13 | ng    | 90       |
| 62) Azobenzene                 | 10.60 | 77   | 1511319  | 39.86 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 212068   | 38.31 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 1139577  | 39.33 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.93 | 248  | 397385   | 40.74 | ng #  | 92       |
| 67) Hexachlorobenzene          | 10.99 | 284  | 390849   | 35.60 | ng #  | 77       |
| 68) Atrazine                   | 11.09 | 200  | 371986   | 39.23 | ng    | 98       |
| 69) Pentachlorophenol          | 11.20 | 266  | 413490   | 72.64 | ng    | 99       |
| 70) Phenanthrene               | 11.41 | 178  | 2002867  | 42.25 | ng    | 97       |
| 71) Anthracene                 | 11.46 | 178  | 1737297  | 37.39 | ng    | 97       |
| 72) Carbazole                  | 11.62 | 167  | 1785588  | 39.30 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 1980807  | 39.80 | ng #  | 95       |
| 74) Fluoranthene               | 12.59 | 202  | 1921429  | 38.80 | ng    | 98       |
| 76) Benzidine                  | 12.72 | 184  | 586394   | 24.71 | ng    | 99       |
| 77) Pyrene                     | 12.82 | 202  | 1963722  | 37.81 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 909963   | 40.49 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 1535196  | 39.50 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 326362   | 24.06 | ng #  | 95       |
| 82) Chrysene                   | 14.05 | 228  | 1522205  | 40.76 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 1120617  | 39.47 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 2007944  | 41.89 | ng #  | 89       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.84 | 276  | 1189324  | 40.18 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 2716009  | 72.77 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 2717927  | 89.04 | ng #  | 97       |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 1235775  | 39.04 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 988288   | 36.28 | ng #  | 95       |
| 91) Benzo(g,h,i)perylene       | 17.27 | 276  | 974918   | 34.56 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

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BNA\_F

ClientSampleId :

PB87668BSD

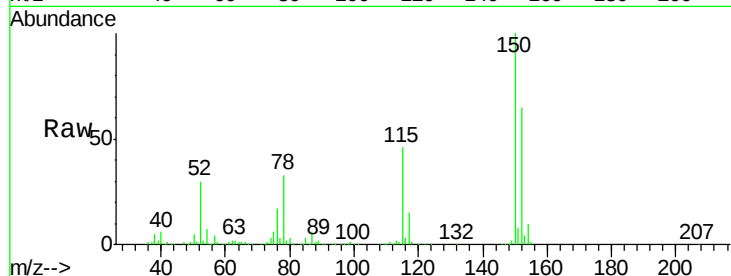
Tgt Ion:152 Resp: 249314

Ion Ratio Lower Upper

152 100

150 153.5 123.0 184.4

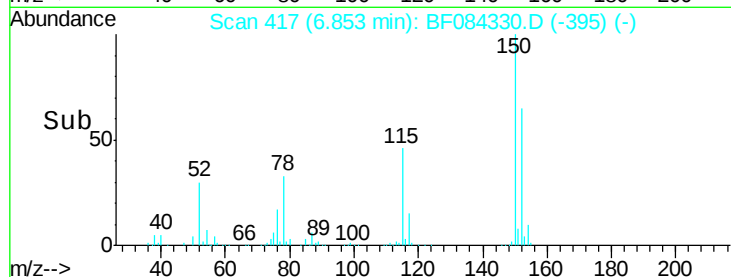
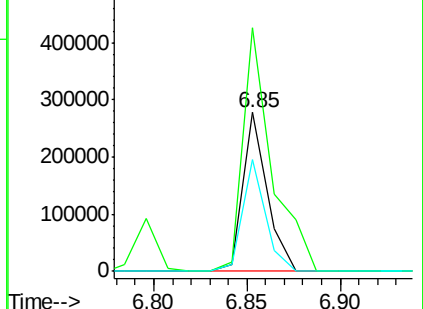
115 70.4 51.4 77.2



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: 32.77 ng

RT: 2.54 min Scan# 40

Delta R.T. 0.01 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

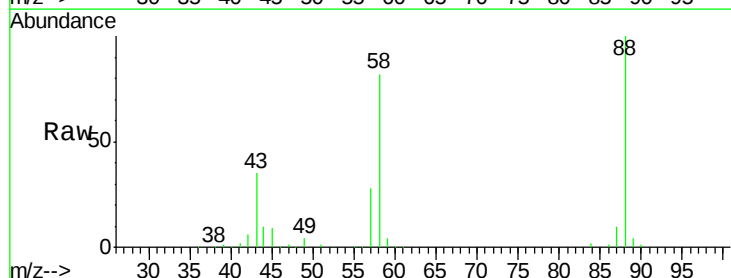
Tgt Ion: 88 Resp: 239308

Ion Ratio Lower Upper

88 100

58 84.7 51.2 76.8#

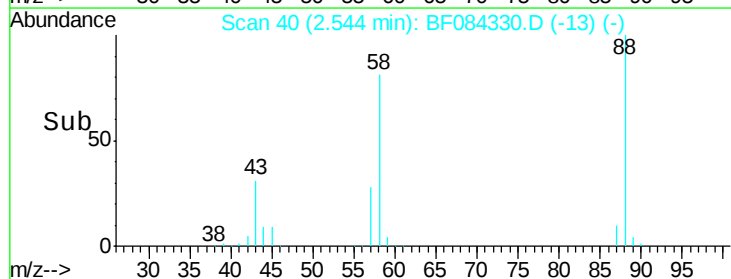
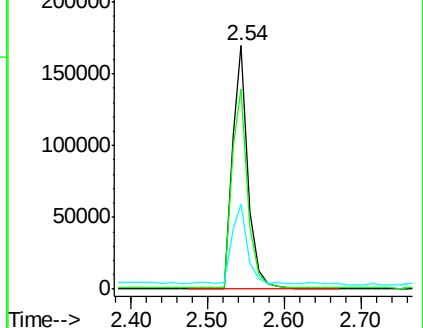
43 34.5 19.5 29.3#

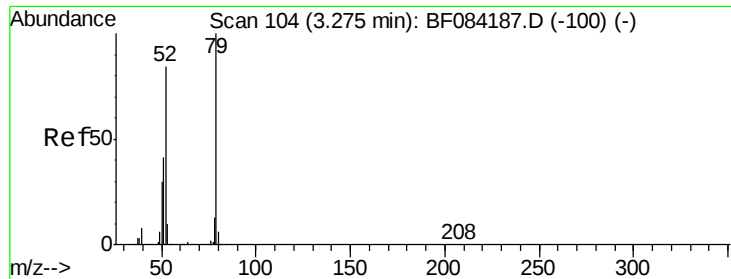


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 35.41 ng

RT: 3.25 min Scan# 102

Delta R.T. -0.02 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

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ClientSampleId :

PB87668BSD

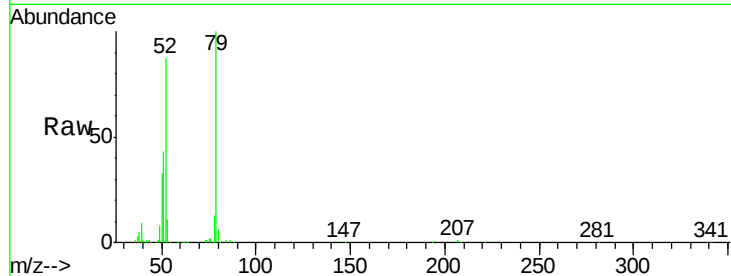
Tgt Ion: 79 Resp: 720777

Ion Ratio Lower Upper

79 100

52 87.2 49.0 73.4#

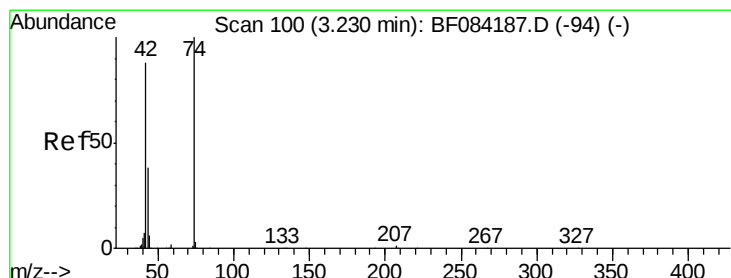
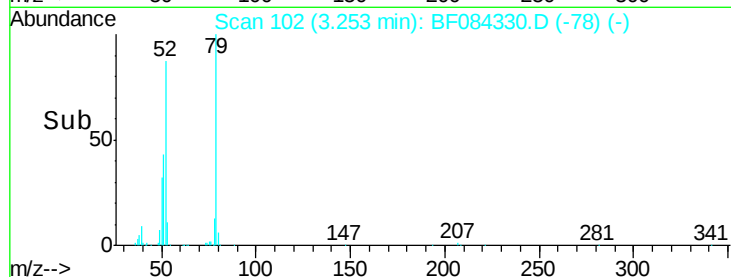
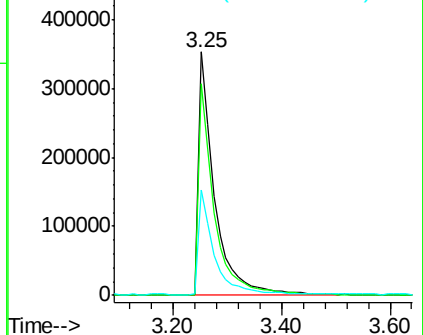
51 43.3 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 36.62 ng

RT: 3.22 min Scan# 99

Delta R.T. -0.01 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

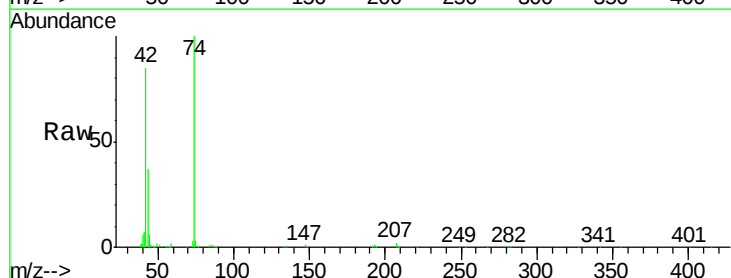
Tgt Ion: 42 Resp: 382698

Ion Ratio Lower Upper

42 100

74 118.1 115.7 173.5

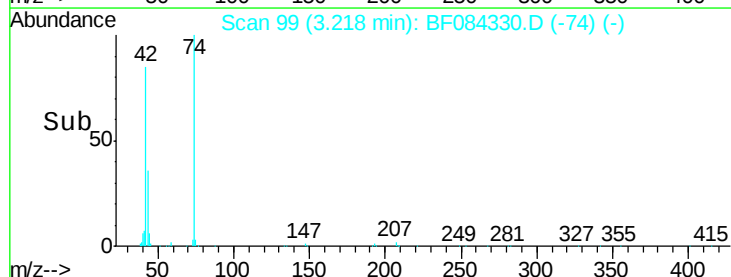
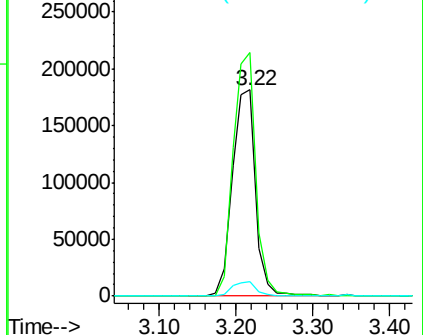
44 7.3 5.1 7.7

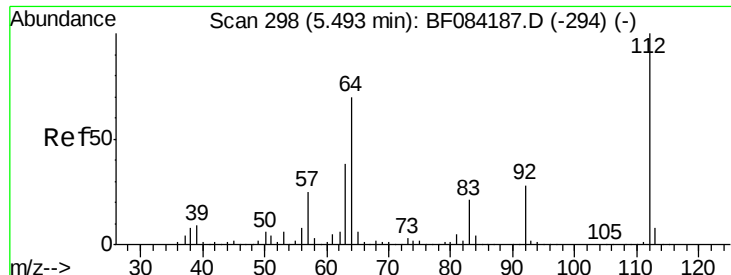


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 75.98 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

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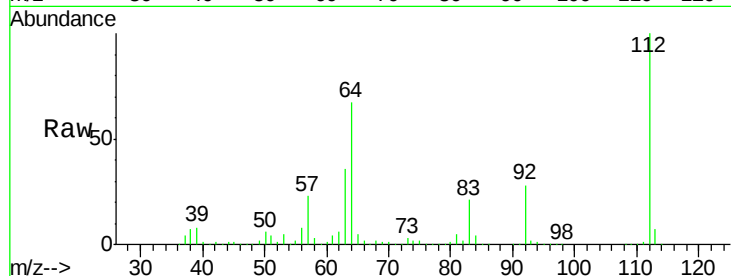
Tgt Ion: 112 Resp: 1171094

Ion Ratio Lower Upper

112 100

64 67.3 36.6 55.0#

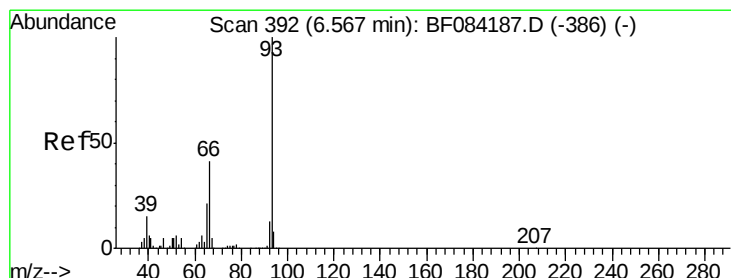
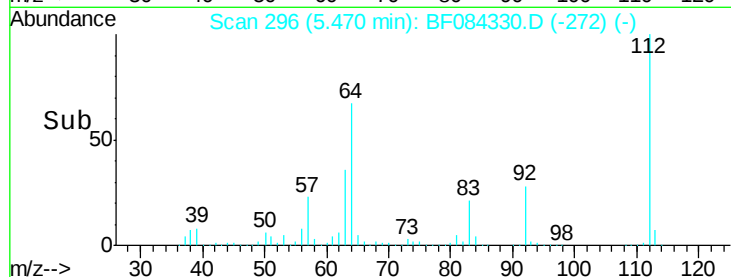
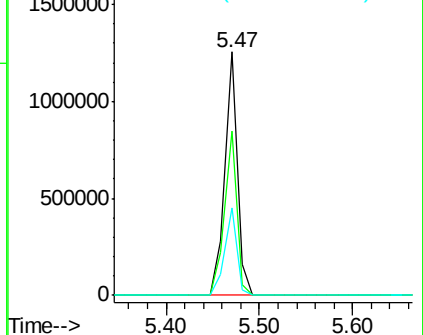
63 35.8 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.95 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

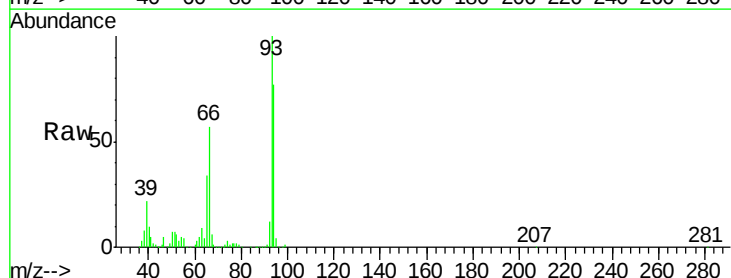
Tgt Ion: 93 Resp: 508309

Ion Ratio Lower Upper

93 100

66 56.9 44.9 67.3

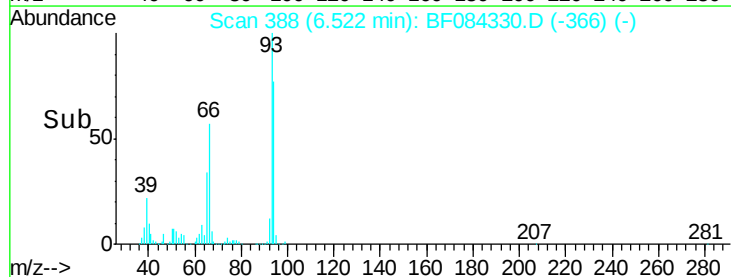
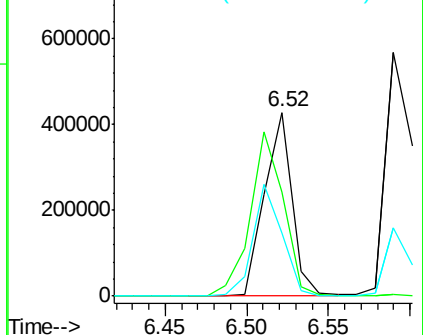
65 34.1 23.7 35.5

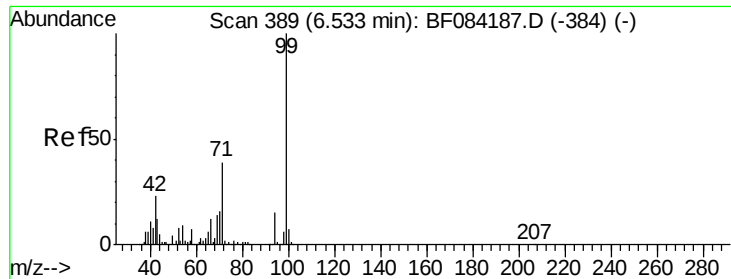


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 78.59 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

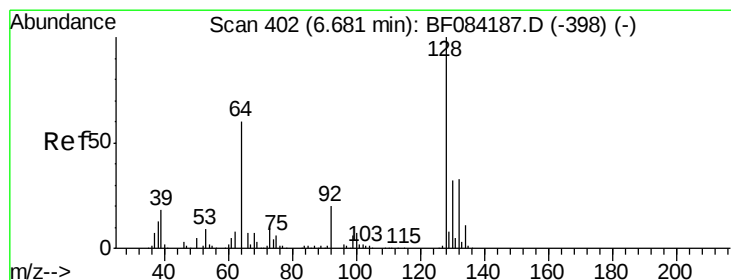
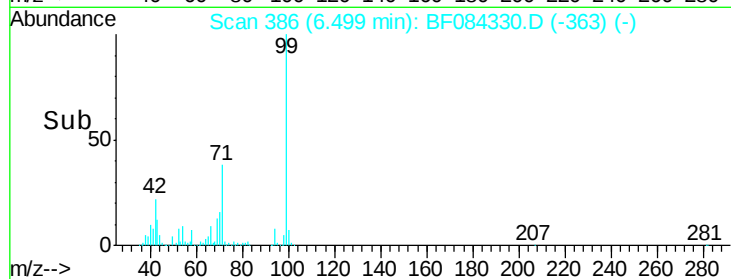
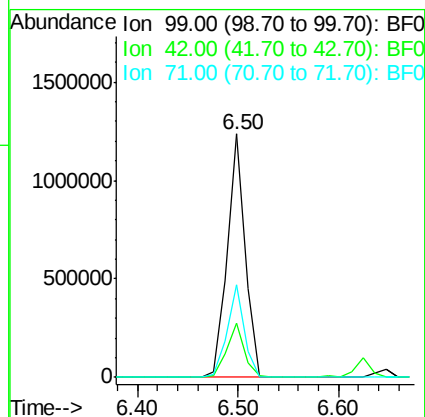
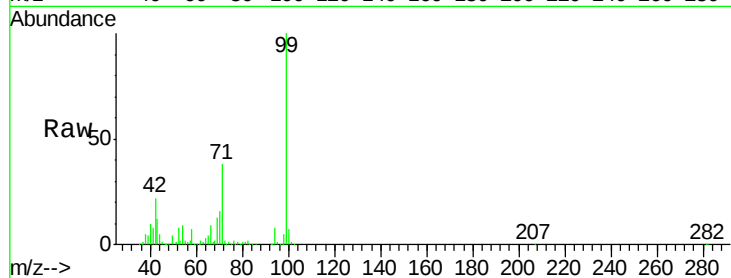
BNA\_F

ClientSampleId :

PB87668BSD

Tgt Ion: 99 Resp: 1521339

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.3  | 12.8  | 19.2# |
| 71  | 38.0  | 30.9  | 46.3  |



#8

2-Chlorophenol

Concen: 40.83 ng

RT: 6.65 min Scan# 399

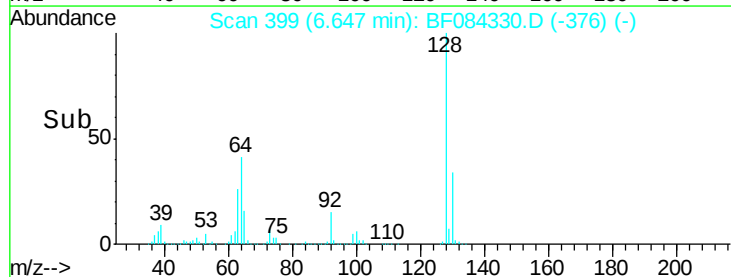
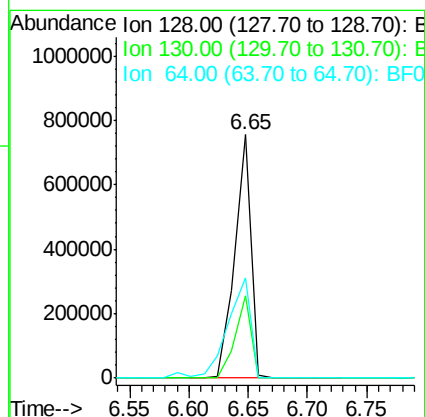
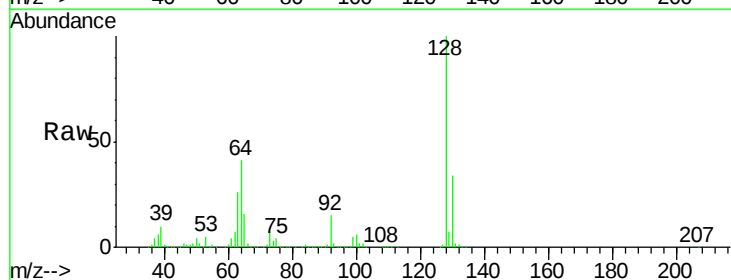
Delta R.T. -0.03 min

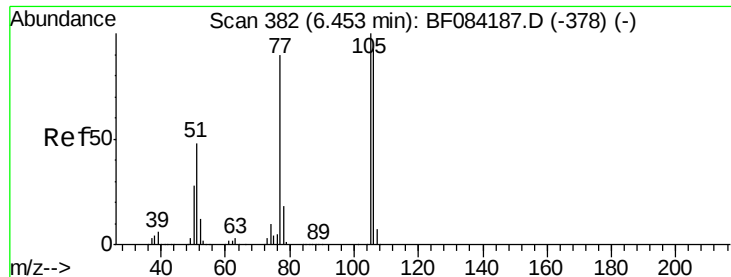
Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Tgt Ion: 128 Resp: 714039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.8  | 11.6  | 51.6  |
| 64  | 41.3  | 23.8  | 63.8  |





#9

Benzaldehyde

Concen: 12.35 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.06 min

Lab File: BF084330.D

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Instrument :

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ClientSampleId :

PB87668BSD

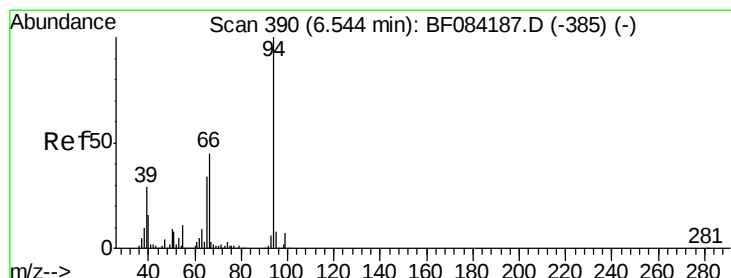
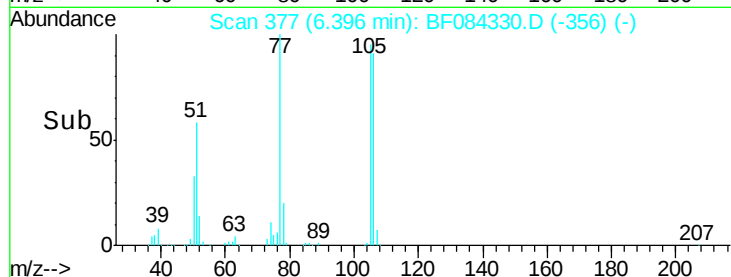
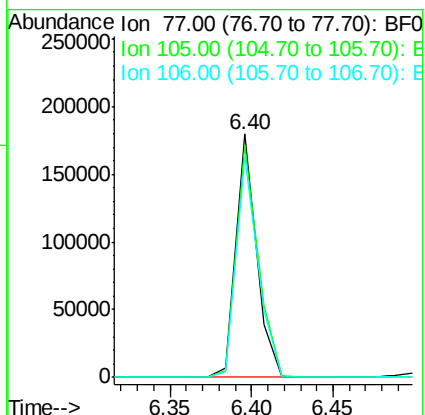
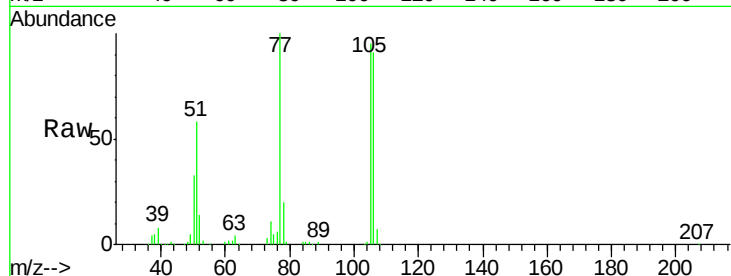
Tgt Ion: 77 Resp: 155652

Ion Ratio Lower Upper

77 100

105 95.4 83.0 123.0

106 90.6 74.6 114.6



#10

Phenol

Concen: 33.42 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.03 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

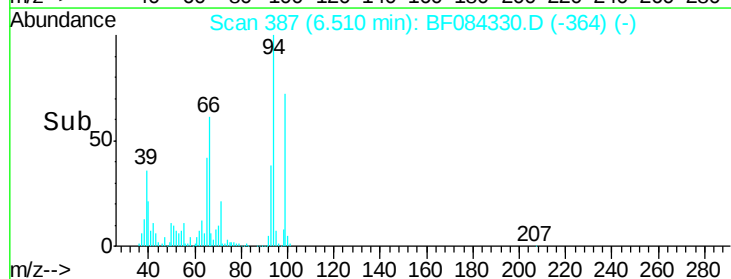
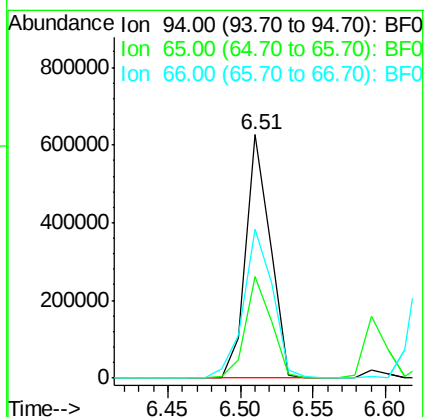
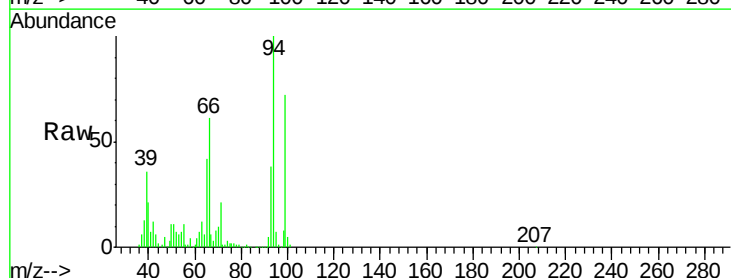
Tgt Ion: 94 Resp: 735653

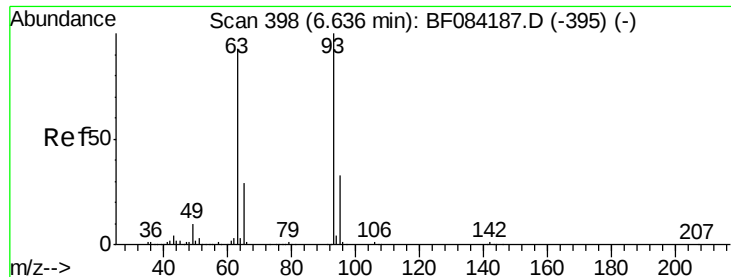
Ion Ratio Lower Upper

94 100

65 41.8 12.9 52.9

66 61.2 32.7 72.7

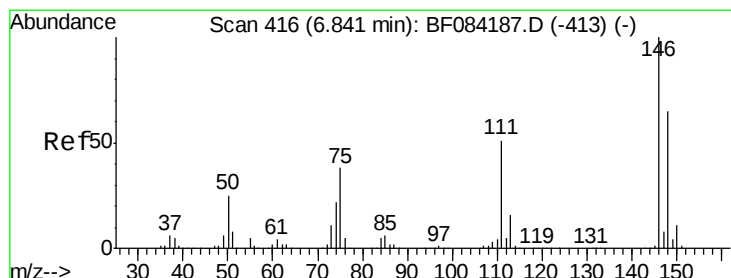
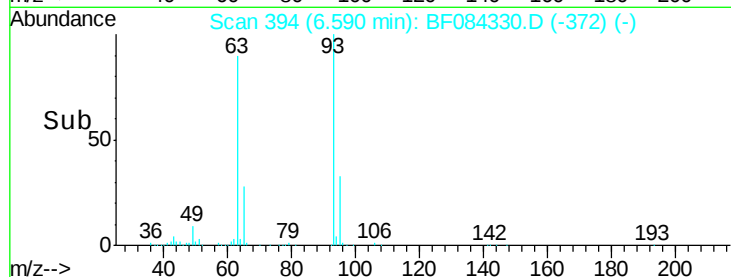
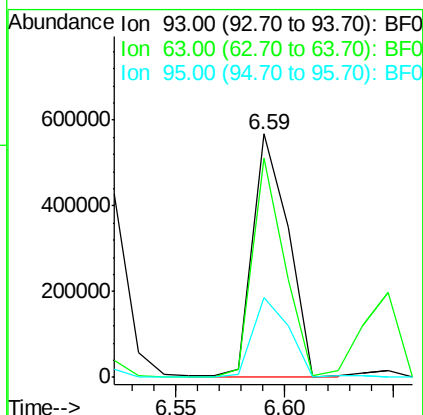
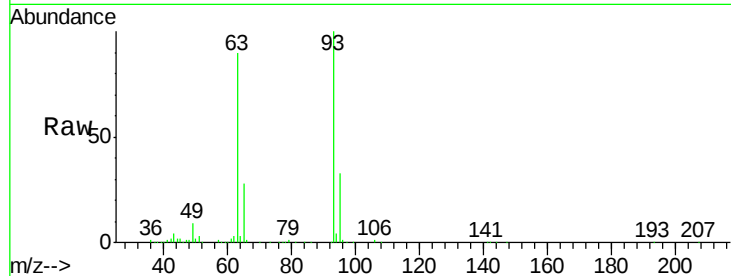




#11  
bis(2-Chloroethyl)ether  
Concen: 38.01 ng  
RT: 6.59 min Scan# 394  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

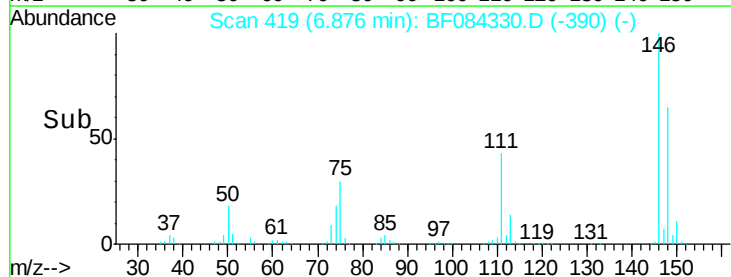
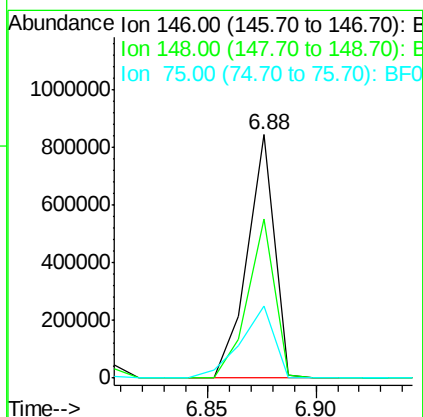
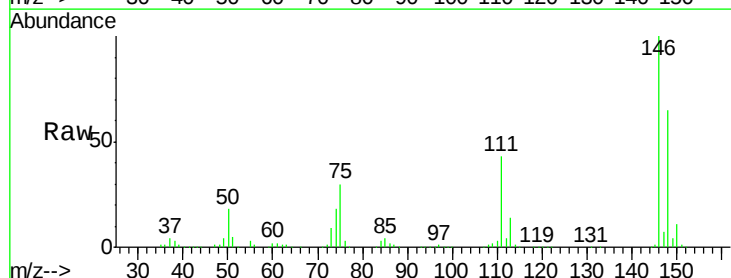
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

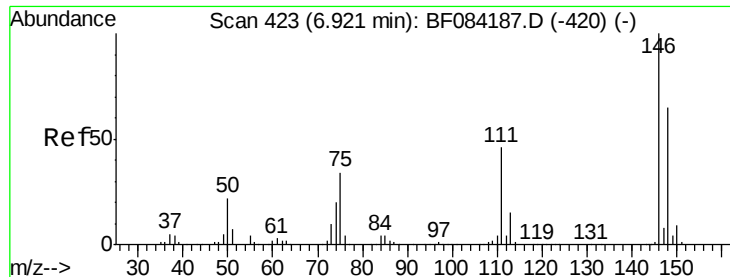
Tgt Ion: 93 Resp: 648116  
Ion Ratio Lower Upper  
93 100  
63 90.2 45.9 85.9#  
95 32.6 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 40.70 ng  
RT: 6.88 min Scan# 419  
Delta R.T. 0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion: 146 Resp: 734259  
Ion Ratio Lower Upper  
146 100  
148 65.4 51.9 77.9  
75 29.8 20.5 30.7

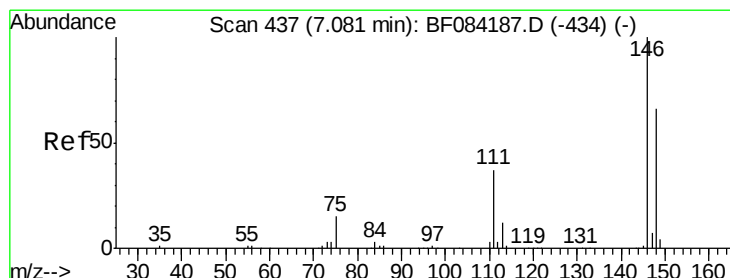
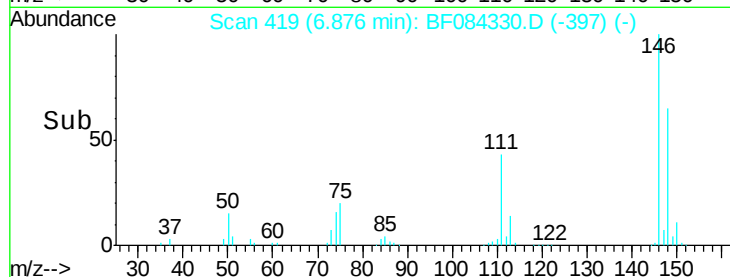
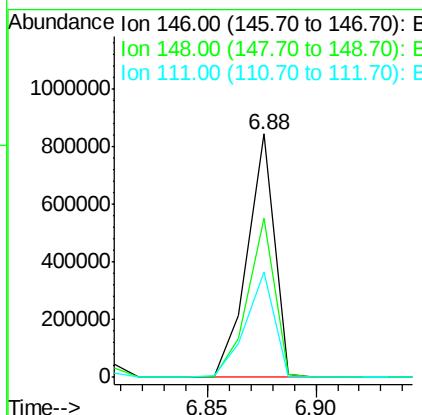
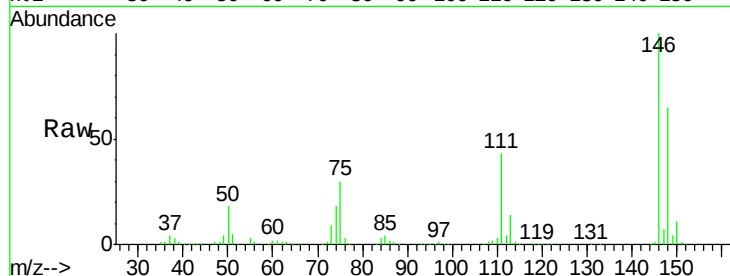




#13  
 1,4-Dichlorobenzene  
 Concen: 40.59 ng  
 RT: 6.88 min Scan# 419  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

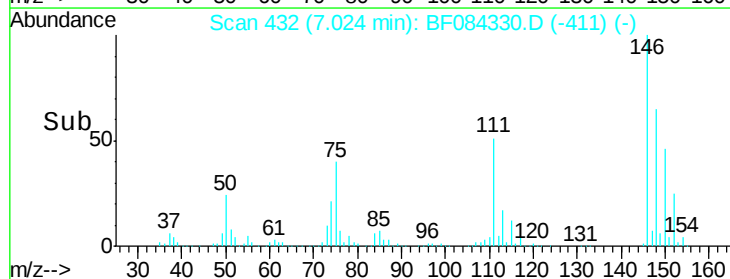
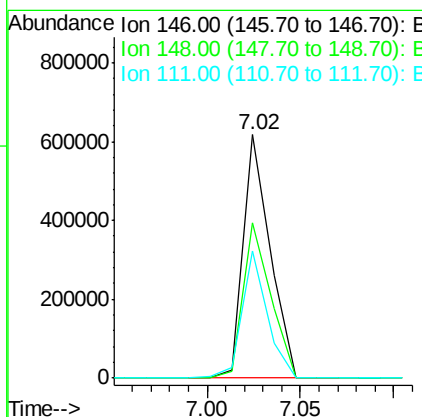
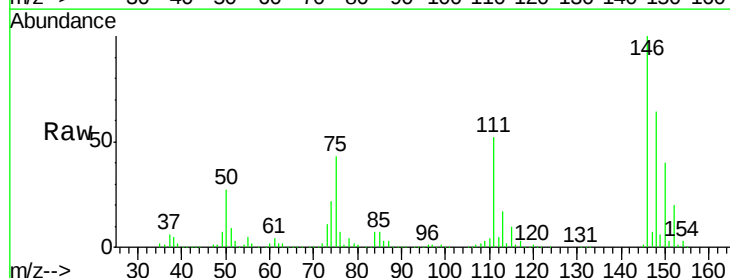
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

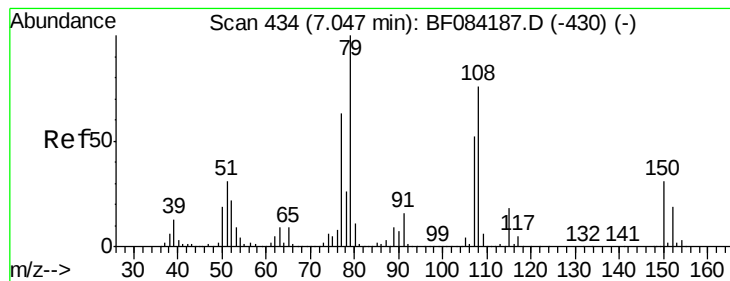
Tgt Ion:146 Resp: 734259  
 Ion Ratio Lower Upper  
 146 100  
 148 65.4 51.9 77.9  
 111 43.2 41.6 62.4



#14  
 1,2-Dichlorobenzene  
 Concen: 35.61 ng  
 RT: 7.02 min Scan# 432  
 Delta R.T. -0.06 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:146 Resp: 616888  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 51.6 77.4  
 111 52.2 38.0 57.0





#15

Benzyl Alcohol

Concen: 33.48 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

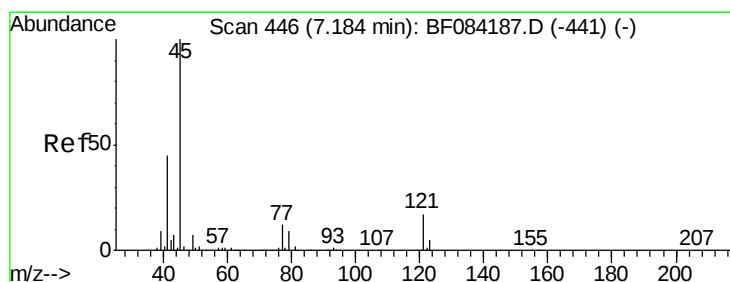
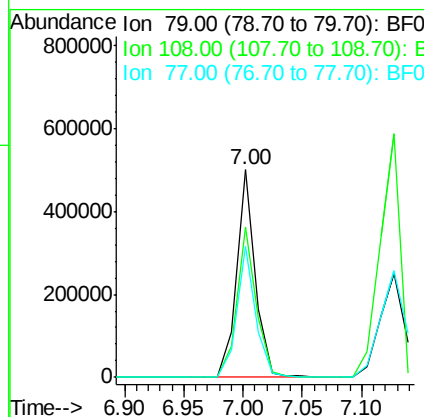
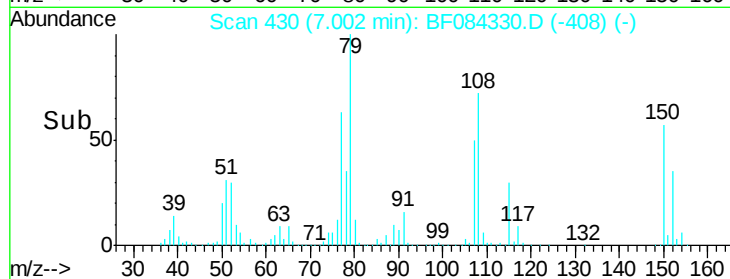
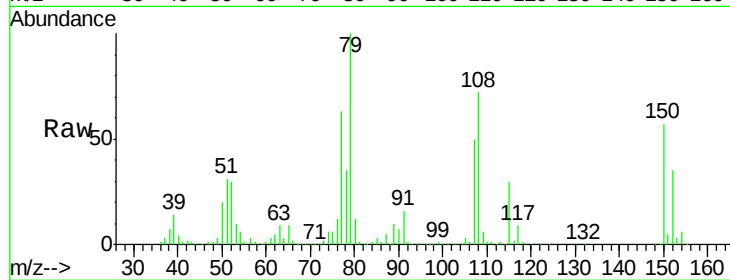
Tgt Ion: 79 Resp: 545200

Ion Ratio Lower Upper

79 100

108 72.2 69.0 103.4

77 63.0 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.57 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

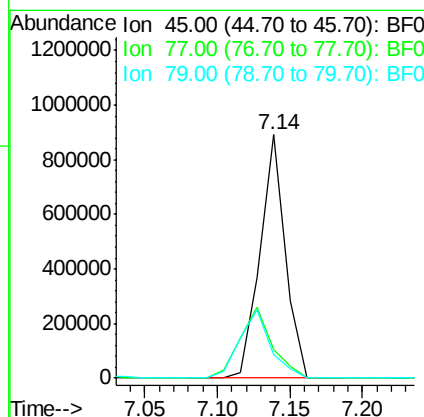
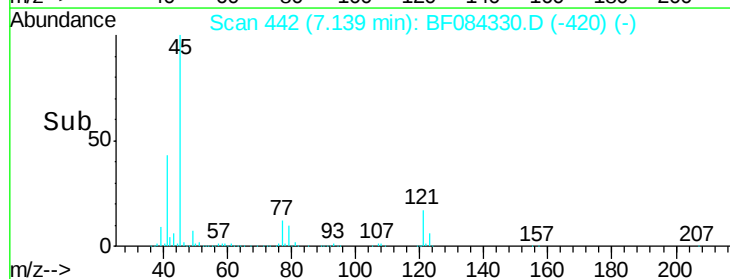
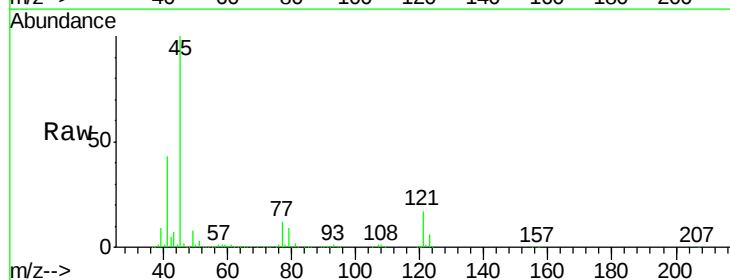
Tgt Ion: 45 Resp: 1073289

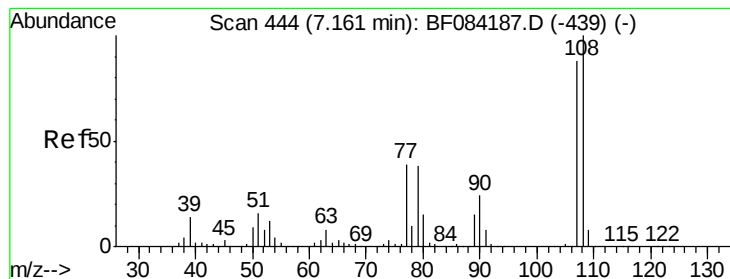
Ion Ratio Lower Upper

45 100

77 11.9 0.0 39.6

79 9.5 0.0 35.0





#17

2-Methylphenol

Concen: 40.10 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.03 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

Tgt Ion:107 Resp: 587797

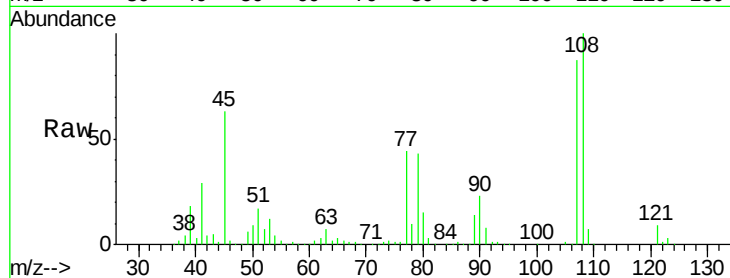
Ion Ratio Lower Upper

107 100

108 114.8 89.8 134.6

77 50.4 35.7 53.5

79 48.8 35.7 53.5

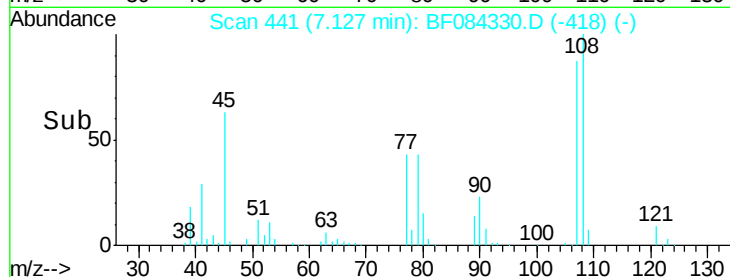


Abundance Ion 107.00 (106.70 to 107.70): E

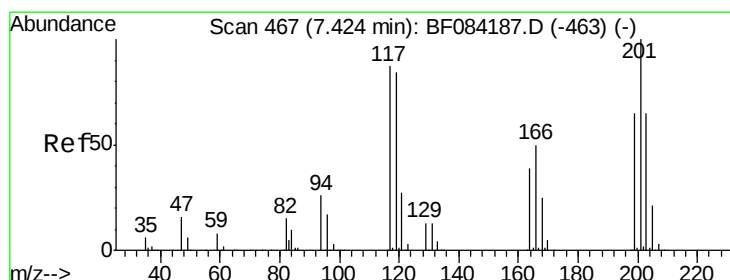
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 37.26 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.06 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

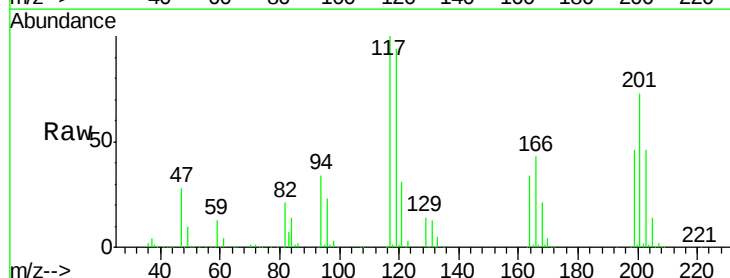
Tgt Ion:117 Resp: 269571

Ion Ratio Lower Upper

117 100

119 94.2 77.4 116.0

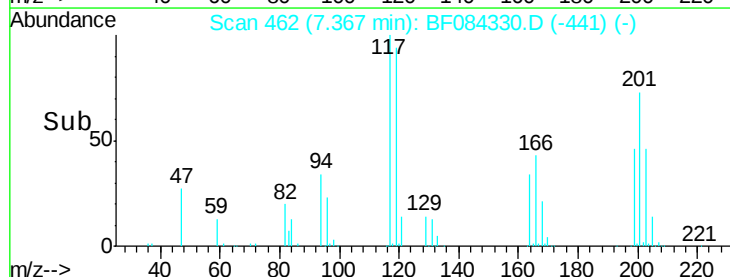
201 72.5 68.6 103.0



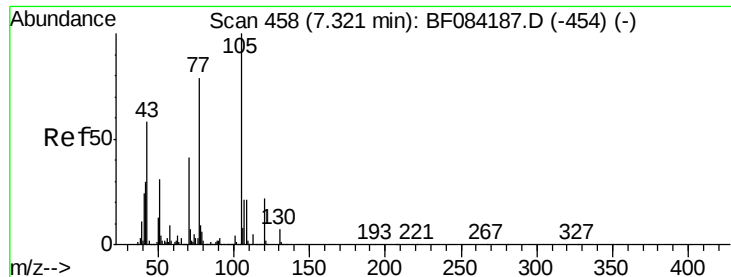
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



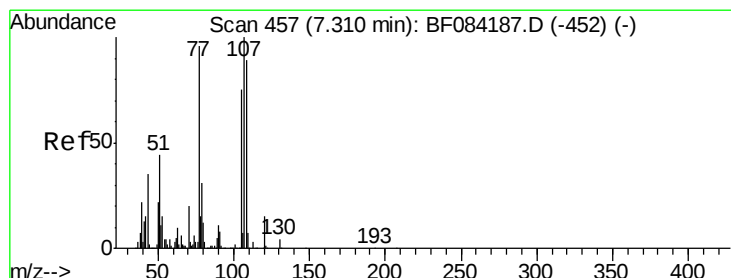
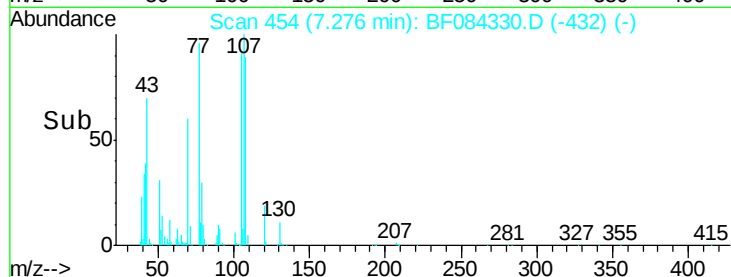
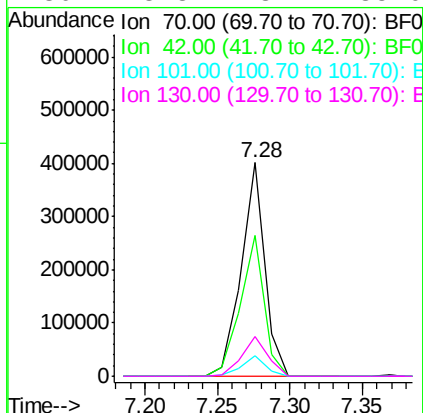
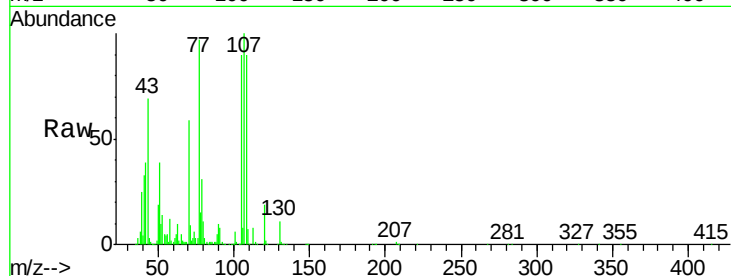
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 34.66 ng  
RT: 7.28 min Scan# 454  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

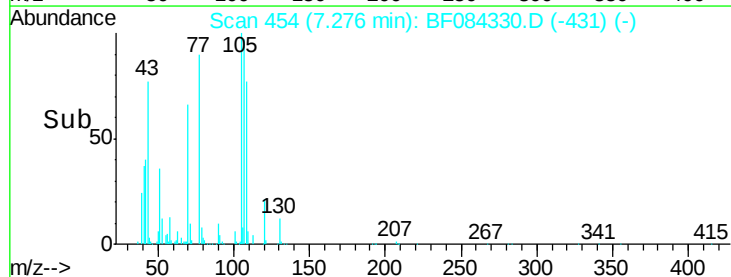
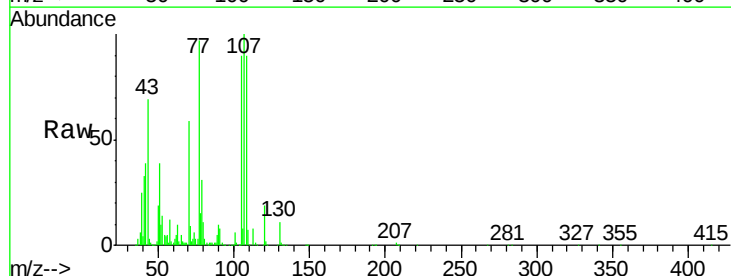
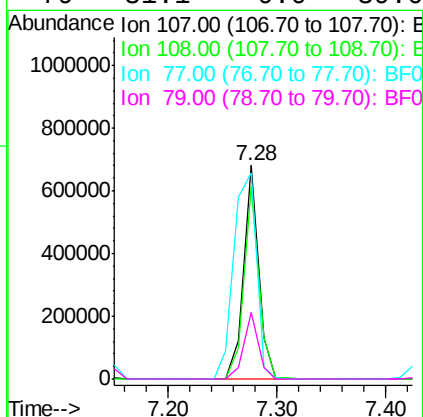
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion: 70 Resp: 454265  
Ion Ratio Lower Upper  
70 100  
42 65.9 33.3 49.9#  
101 9.4 9.3 13.9  
130 18.8 23.4 35.0#



#20  
3+4-Methylphenols  
Concen: 37.58 ng  
RT: 7.28 min Scan# 454  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion: 107 Resp: 647487  
Ion Ratio Lower Upper  
107 100  
108 89.7 74.6 114.6  
77 96.6 0.7 40.7#  
79 31.1 0.0 39.0

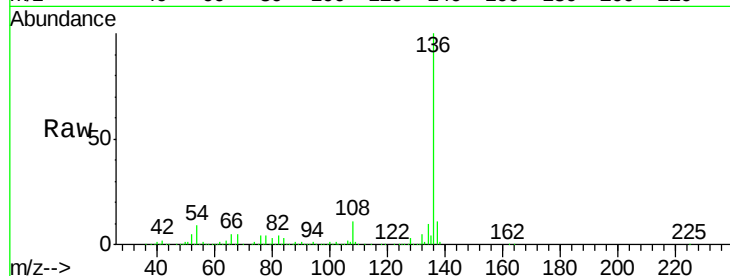




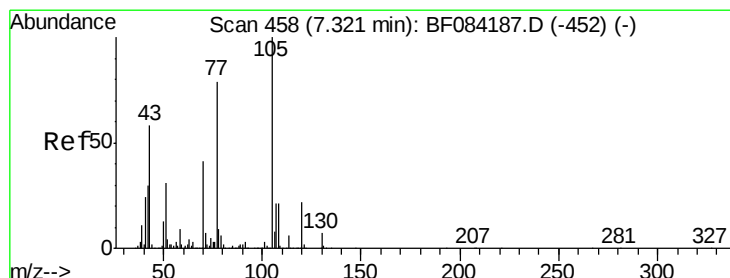
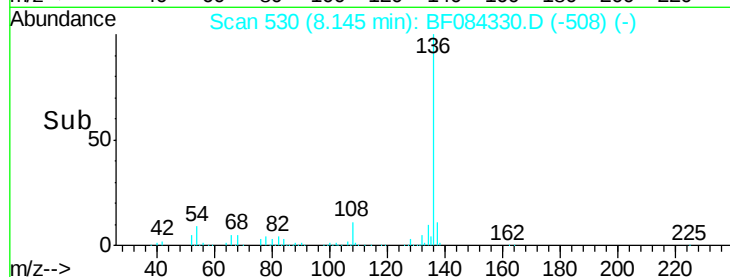
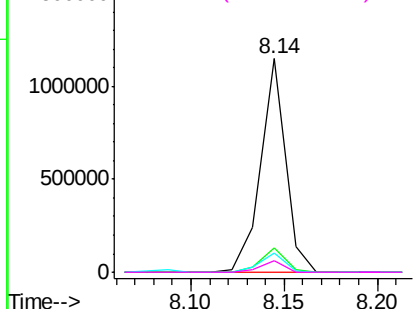
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1054539 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.3  | 8.7   | 13.1    |
| 54       | 9.1   | 5.8   | 8.8#    |
| 68       | 5.2   | 4.2   | 6.2     |

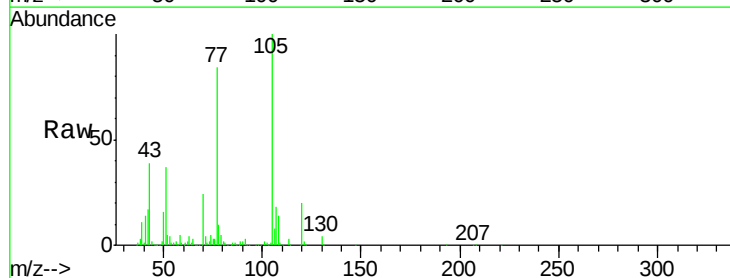


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

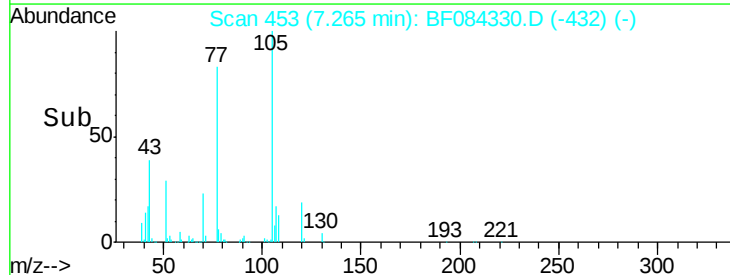
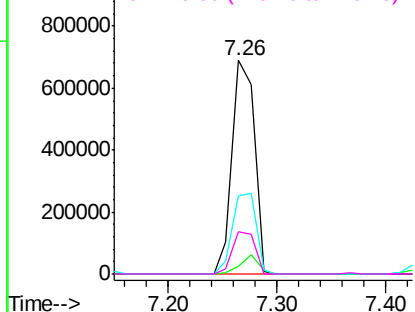


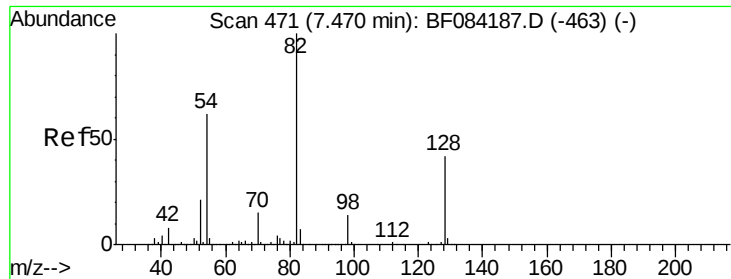
#22  
Acetophenone  
Concen: 38.36 ng  
RT: 7.26 min Scan# 453  
Delta R.T. -0.06 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 972626 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.8   | 3.7   | 5.5    |
| 51       | 36.5  | 25.1  | 37.7   |
| 120      | 19.9  | 16.6  | 25.0   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

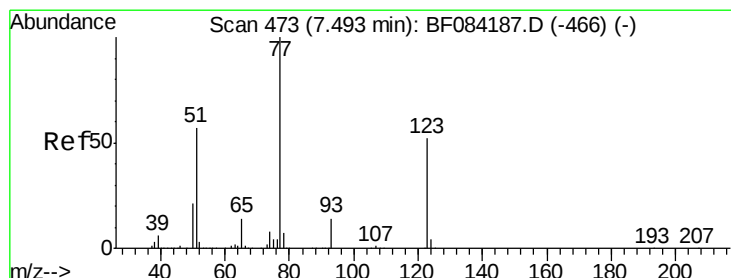
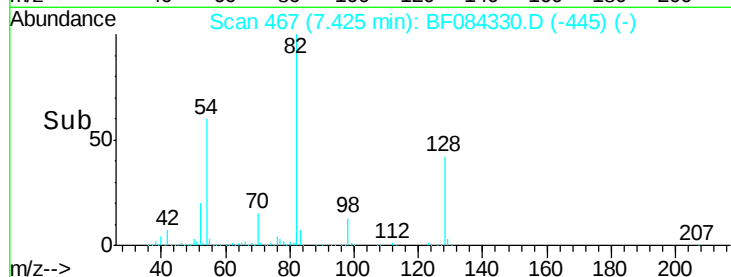
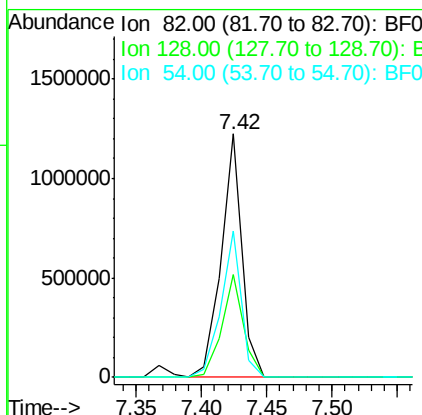
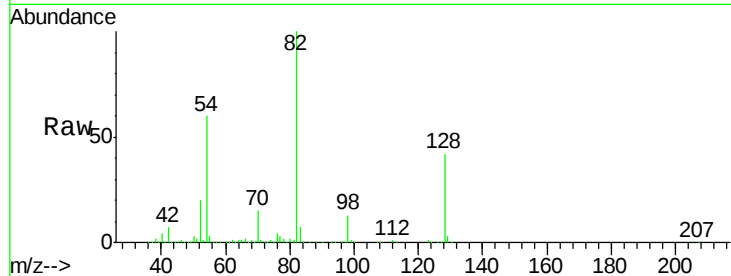




#23  
 Nitrobenzene-d5  
 Concen: 71.78 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

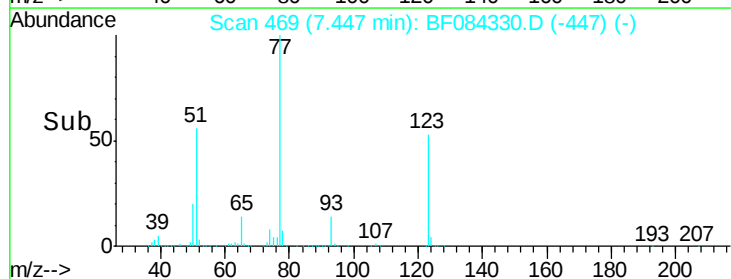
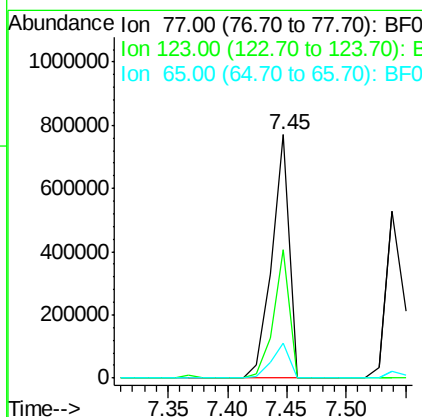
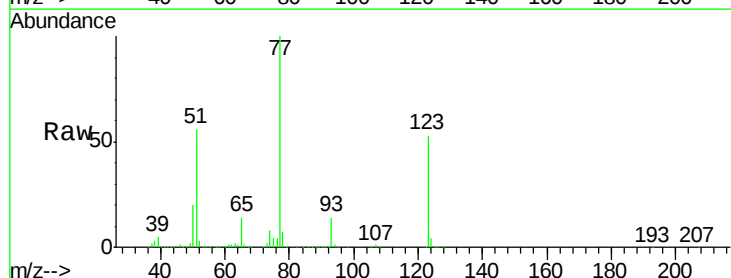
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

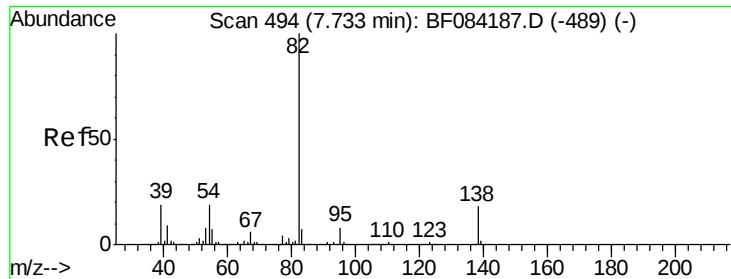
Tgt Ion: 82 Resp: 1360098  
 Ion Ratio Lower Upper  
 82 100  
 128 42.0 34.6 51.8  
 54 60.3 38.4 57.6#



#24  
 Nitrobenzene  
 Concen: 40.74 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion: 77 Resp: 782902  
 Ion Ratio Lower Upper  
 77 100  
 123 52.6 37.4 56.2  
 65 14.2 10.9 16.3

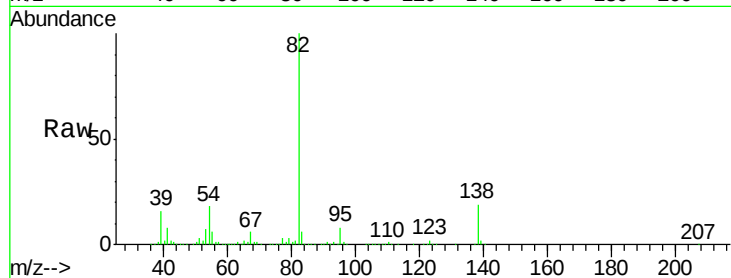




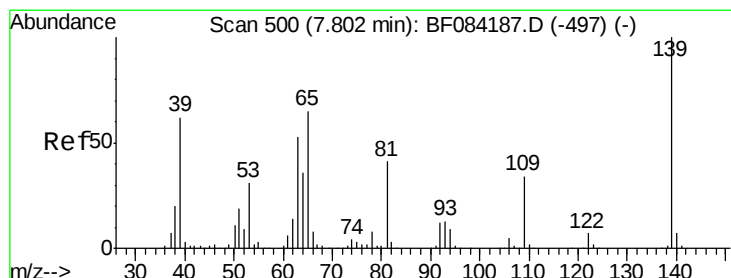
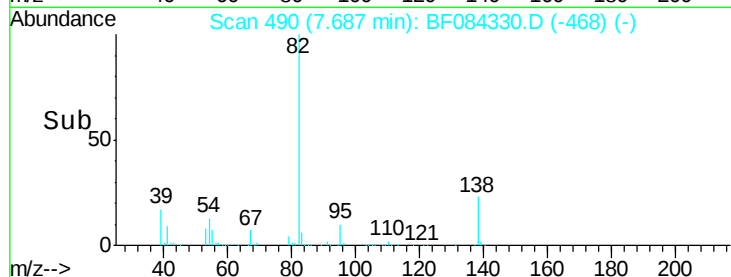
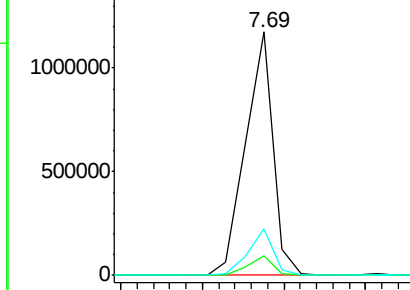
#25  
Isophorone  
Concen: 37.55 ng  
RT: 7.69 min Scan# 490  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion: 82 Resp: 1360769  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.6 10.0  
138 19.0 13.6 20.4

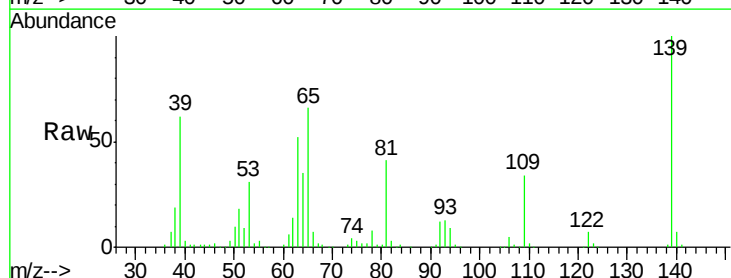


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

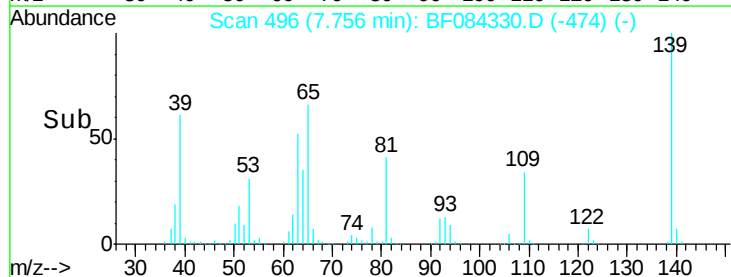
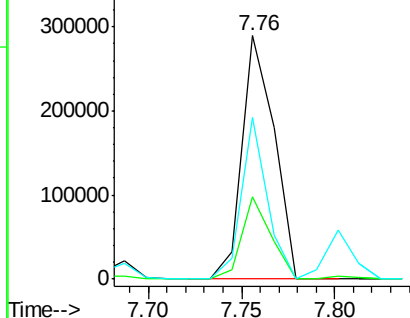


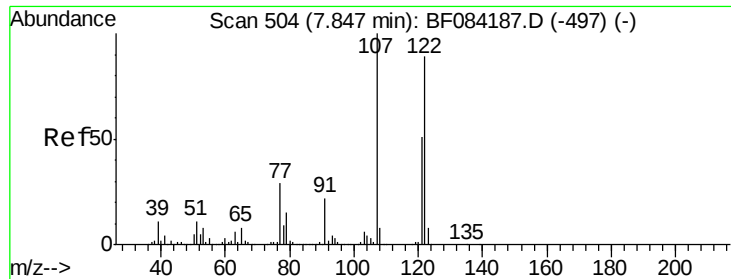
#26  
2-Nitrophenol  
Concen: 39.42 ng  
RT: 7.76 min Scan# 496  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion: 139 Resp: 344794  
Ion Ratio Lower Upper  
139 100  
109 33.8 25.4 38.2  
65 66.2 32.3 48.5#



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: 34.87 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

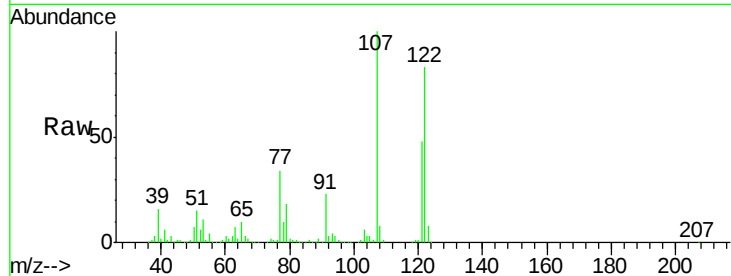
Tgt Ion:122 Resp: 617308

Ion Ratio Lower Upper

122 100

107 120.8 99.1 148.7

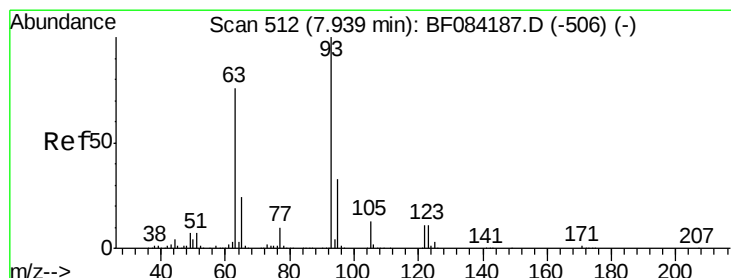
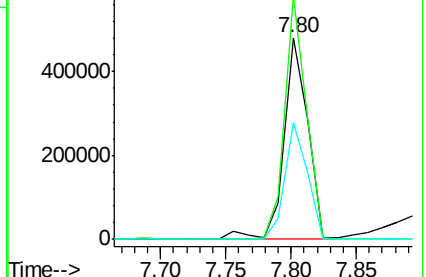
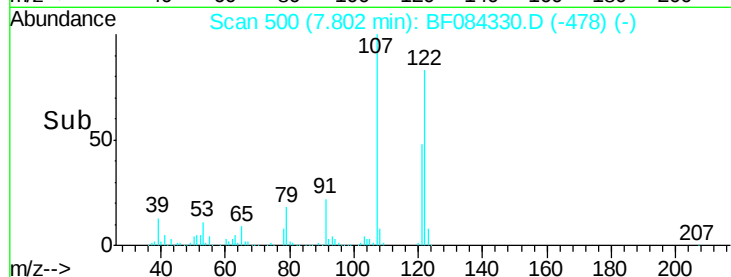
121 57.9 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.61 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

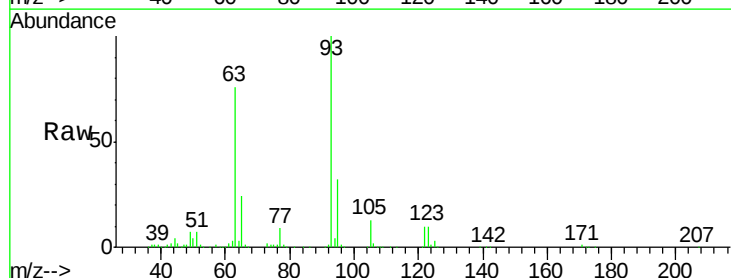
Tgt Ion: 93 Resp: 810423

Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

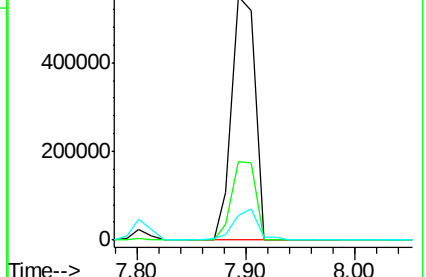
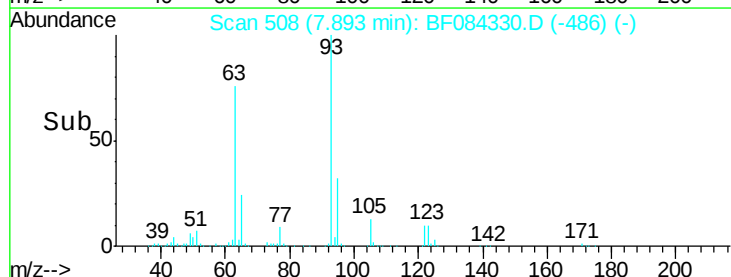
123 10.4 8.6 12.8



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

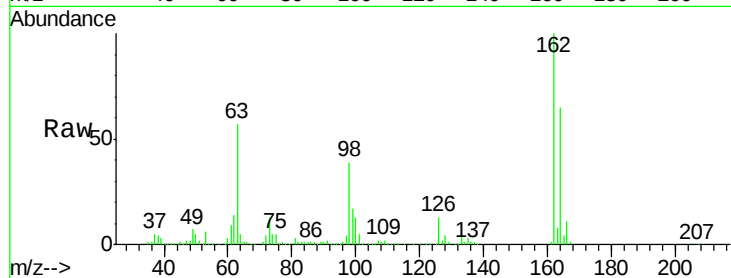




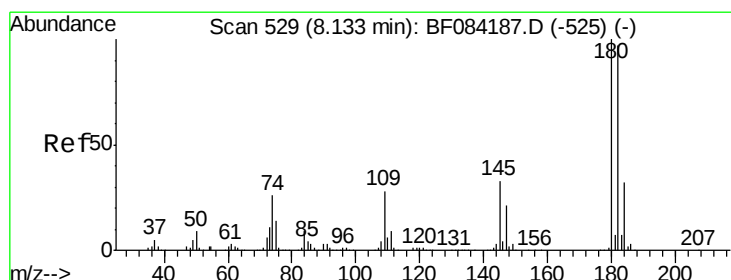
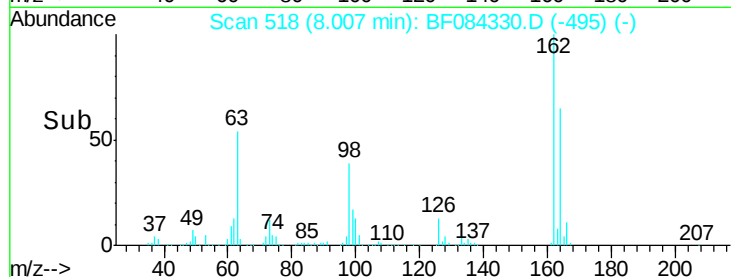
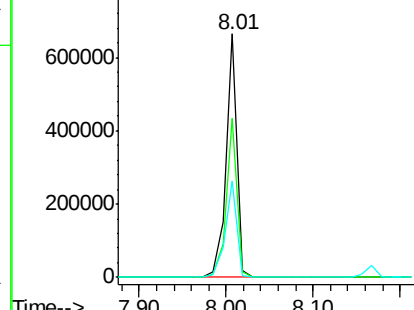
#29  
2,4-Dichlorophenol  
Concen: 40.01 ng  
RT: 8.01 min Scan# 518  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:162 Resp: 590046  
Ion Ratio Lower Upper  
162 100  
164 65.4 44.1 84.1  
98 39.4 20.2 60.2

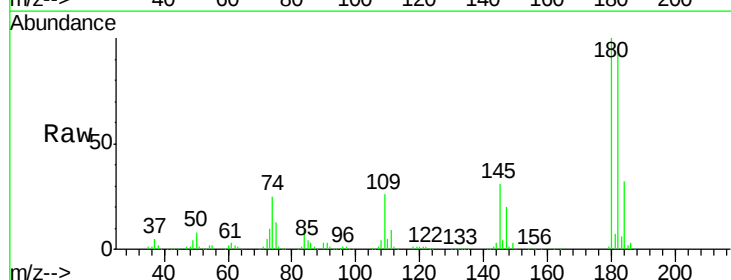


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

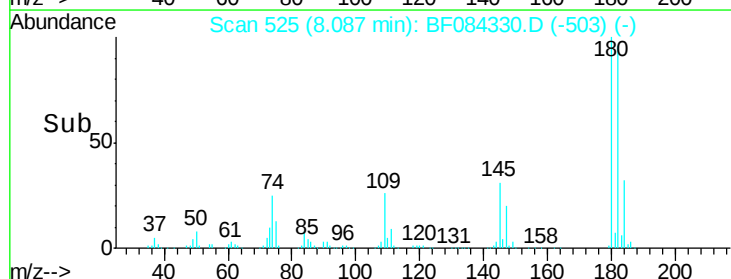
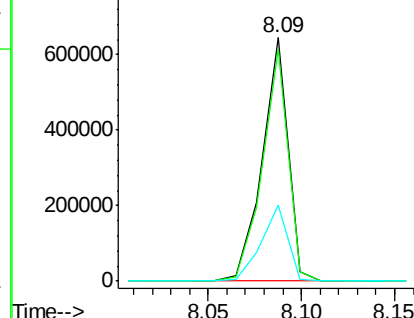


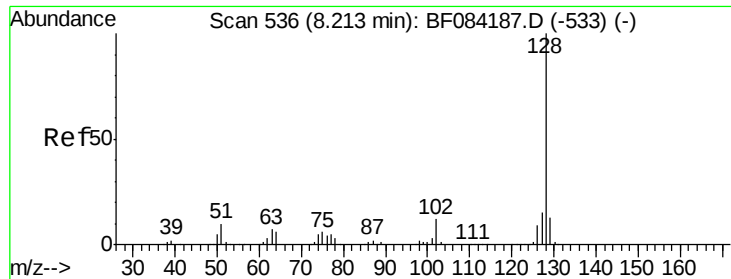
#30  
1,2,4-Trichlorobenzene  
Concen: 40.17 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:180 Resp: 611577  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.4 114.6  
145 31.4 31.6 47.4#



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

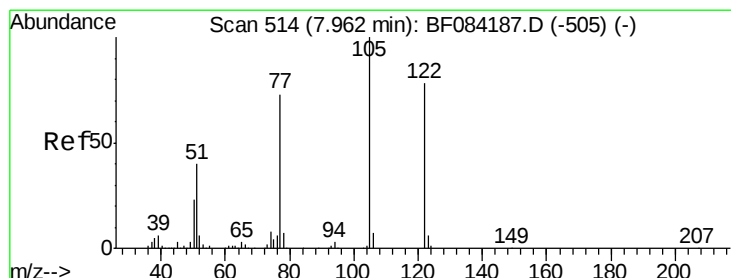
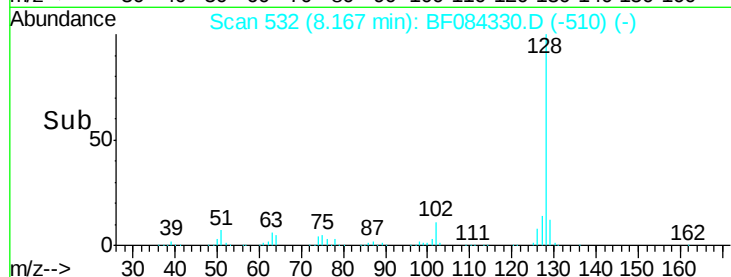
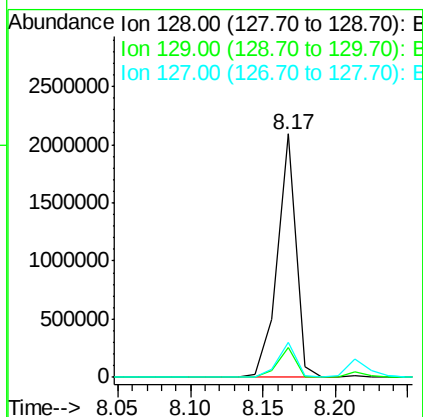
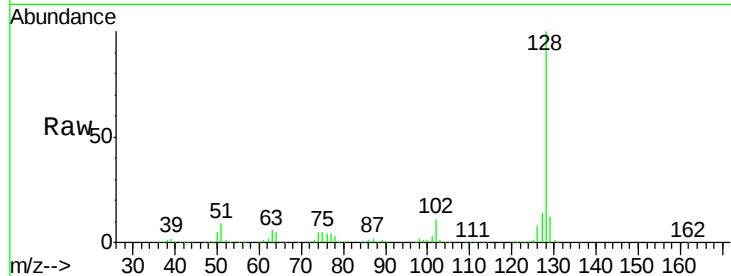




#31  
Naphthalene  
Concen: 39.04 ng  
RT: 8.17 min Scan# 532  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

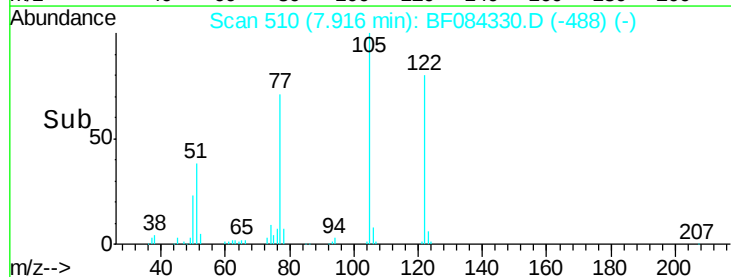
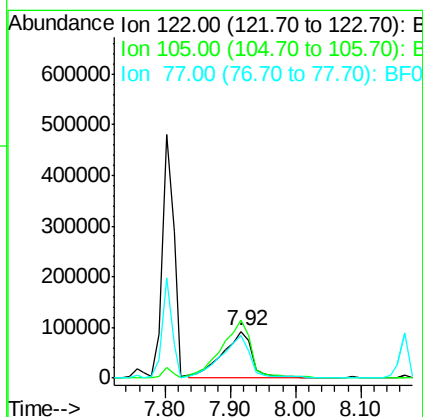
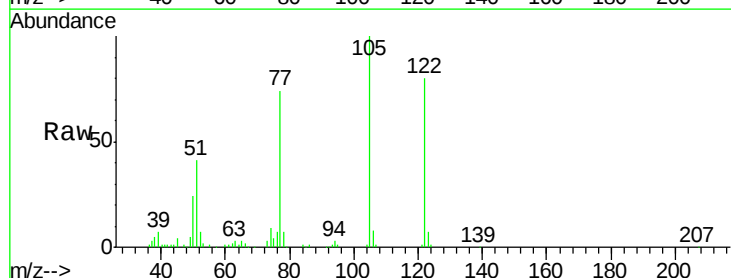
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:128 Resp: 1867958  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.1 13.7  
127 14.5 11.1 16.7



#32  
Benzoic acid  
Concen: 28.00 ng  
RT: 7.92 min Scan# 510  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:122 Resp: 284739  
Ion Ratio Lower Upper  
122 100  
105 125.2 100.3 140.3  
77 92.6 63.5 103.5

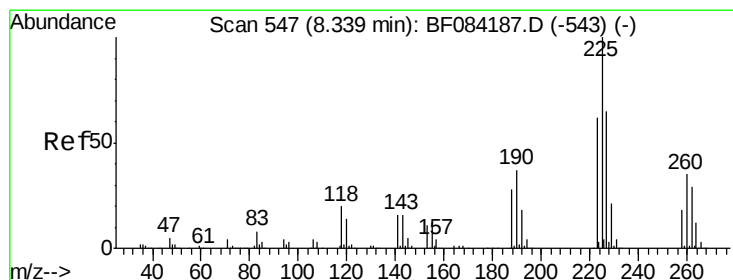
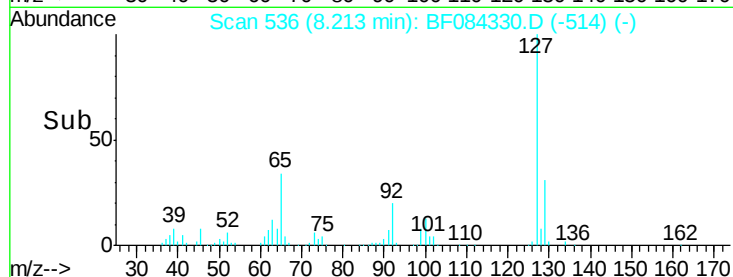
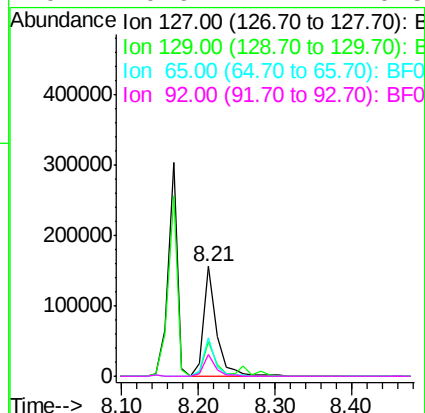
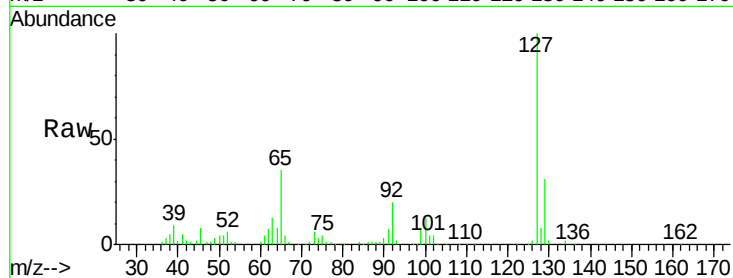




#33  
4-Chloroaniline  
Concen: 8.18 ng  
RT: 8.21 min Scan# 536  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

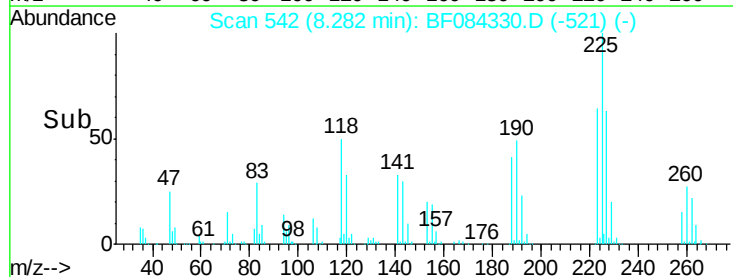
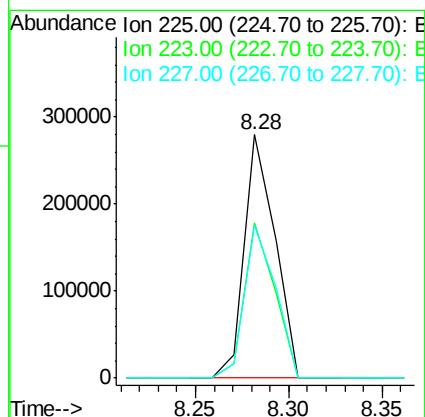
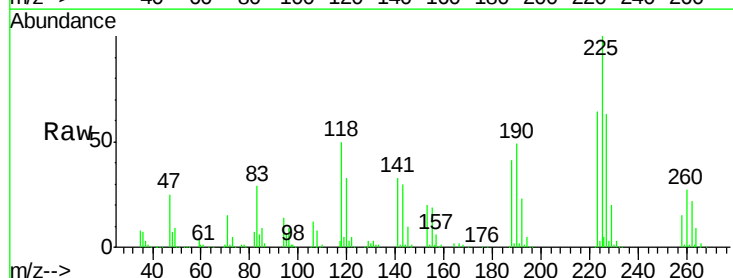
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

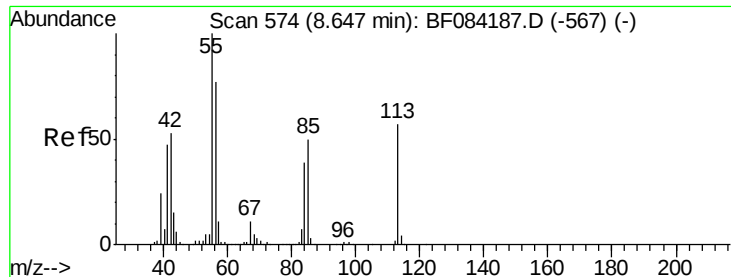
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 179468 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.5  | 26.5  | 39.7   |
| 65       | 34.6  | 27.2  | 40.8   |
| 92       | 19.9  | 17.7  | 26.5   |



#34  
Hexachlorobutadiene  
Concen: 36.47 ng  
RT: 8.28 min Scan# 542  
Delta R.T. -0.06 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 319205 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.0  | 49.4  | 74.0   |
| 227      | 62.8  | 50.8  | 76.2   |

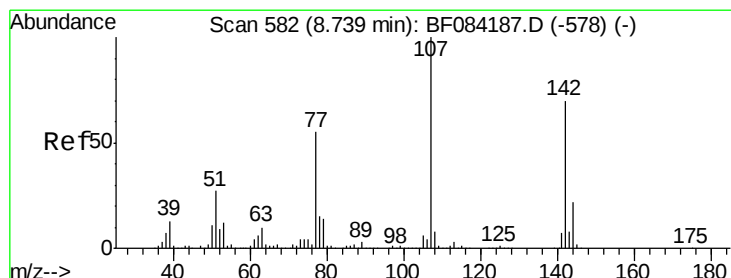
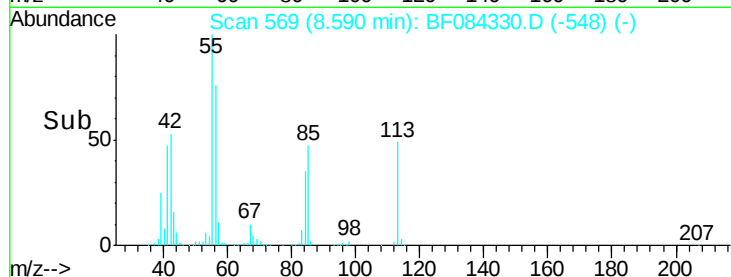
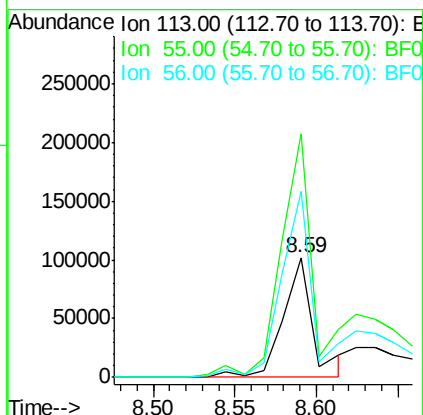
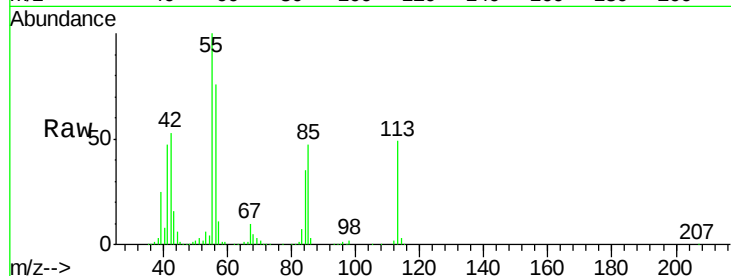




#35  
 Caprolactam  
 Concen: 26.30 ng  
 RT: 8.59 min Scan# 569  
 Delta R.T. -0.06 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

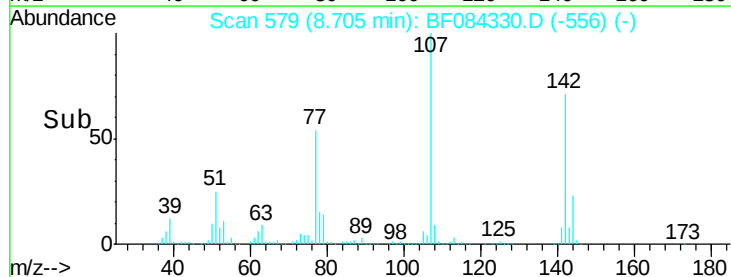
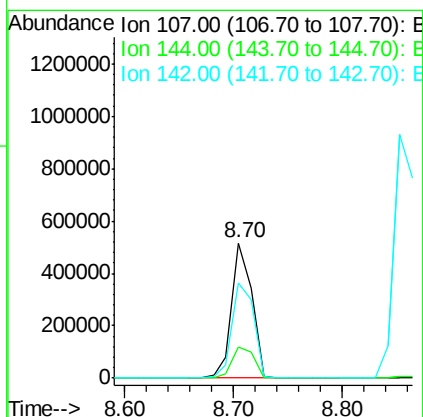
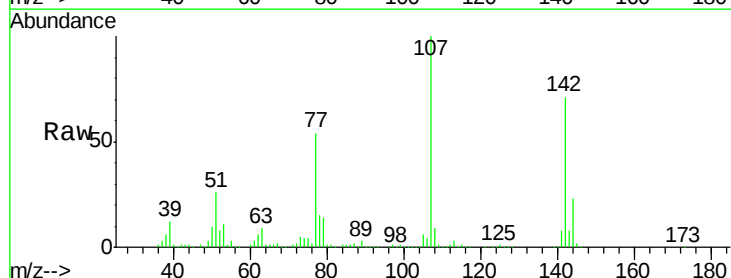
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

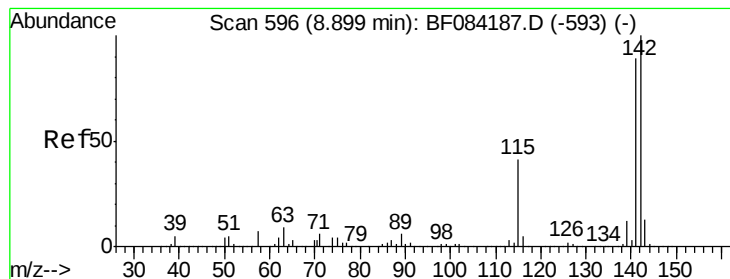
Tgt Ion:113 Resp: 130761  
 Ion Ratio Lower Upper  
 113 100  
 55 203.2 116.9 156.9#  
 56 155.1 93.8 133.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.92 ng  
 RT: 8.70 min Scan# 579  
 Delta R.T. -0.03 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:107 Resp: 659478  
 Ion Ratio Lower Upper  
 107 100  
 144 22.7 19.7 29.5  
 142 70.8 61.8 92.6





#37

2-Methylnaphthalene

Concen: 36.40 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

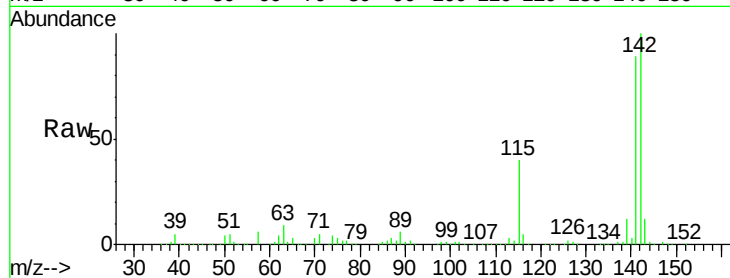
Tgt Ion:142 Resp: 1250104

Ion Ratio Lower Upper

142 100

141 89.0 72.4 108.6

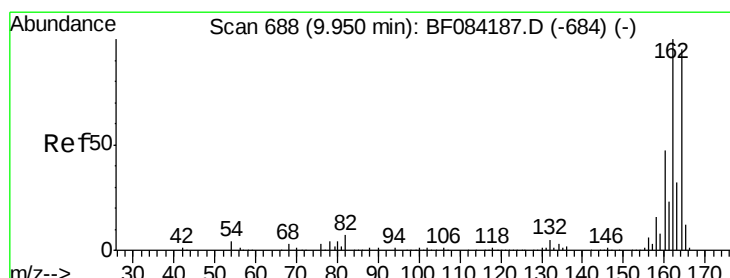
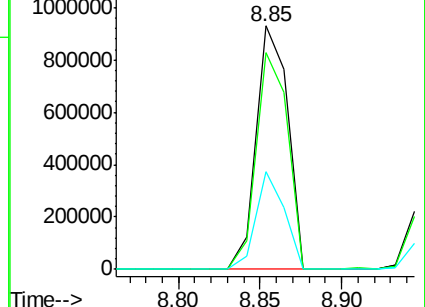
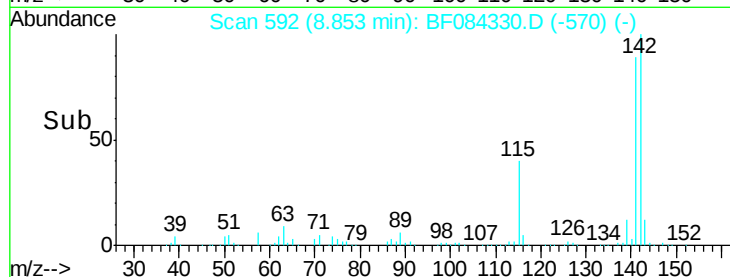
115 40.3 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

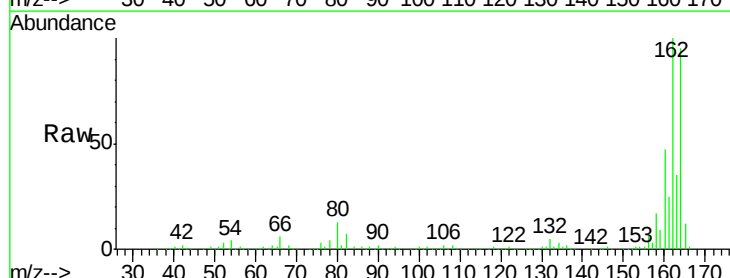
Tgt Ion:164 Resp: 490427

Ion Ratio Lower Upper

164 100

162 105.6 85.1 127.7

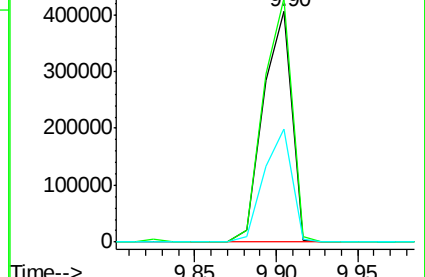
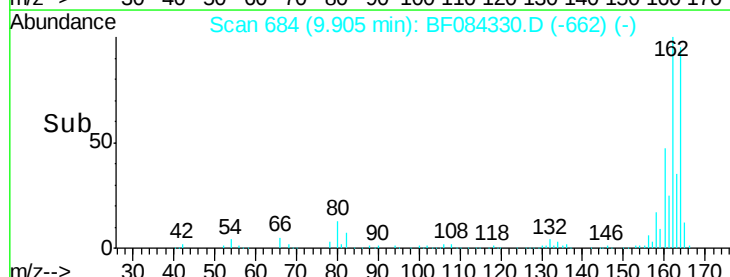
160 49.2 37.5 56.3

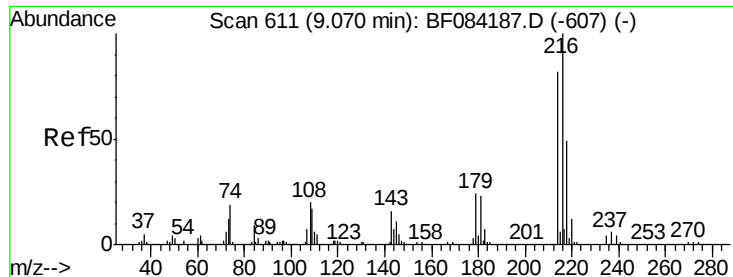


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.27 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

Tgt Ion:216 Resp: 539514

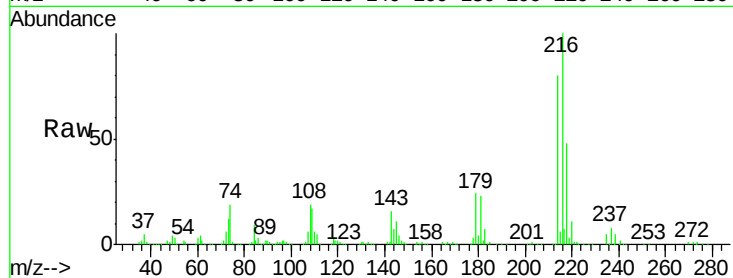
Ion Ratio Lower Upper

216 100

214 79.3 64.2 96.2

179 24.2 18.7 28.1

108 25.1 16.8 25.2

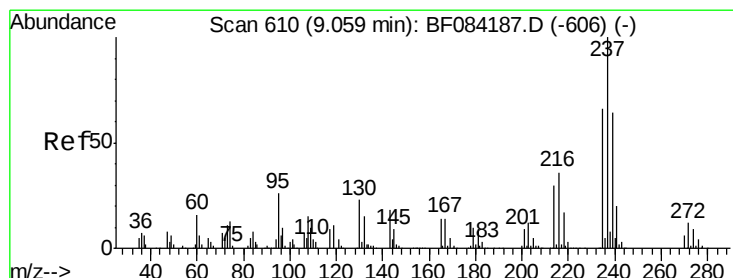
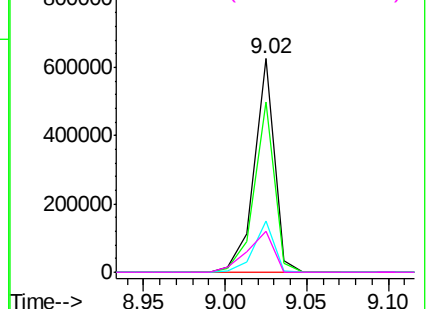
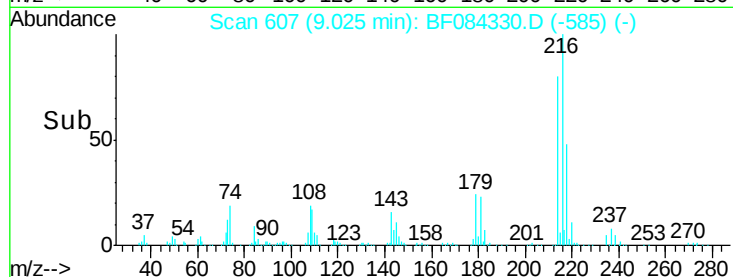


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 72.24 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

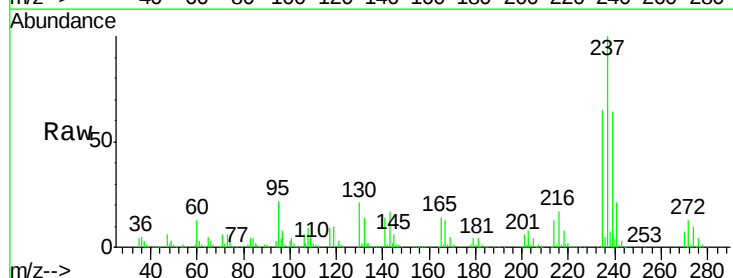
Tgt Ion:237 Resp: 614828

Ion Ratio Lower Upper

237 100

235 64.7 43.1 83.1

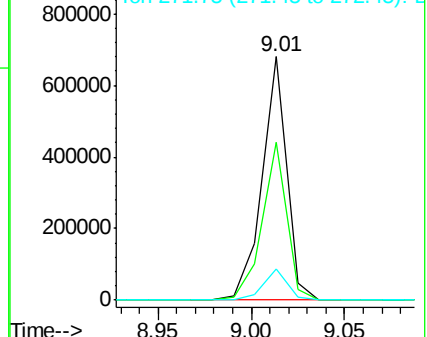
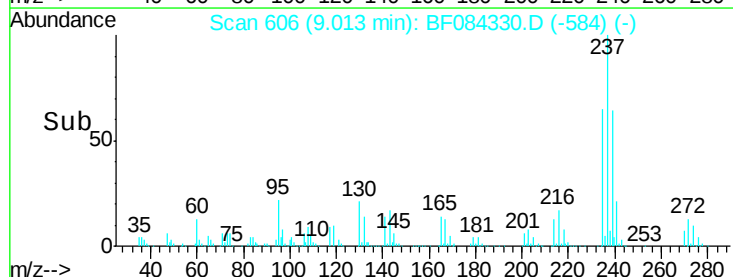
272 12.9 0.0 35.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

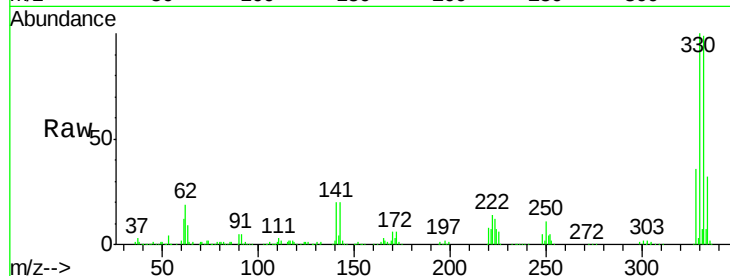




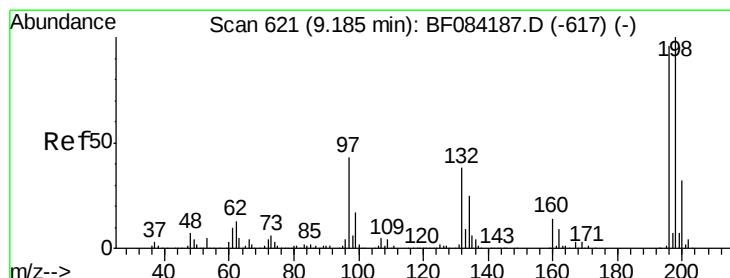
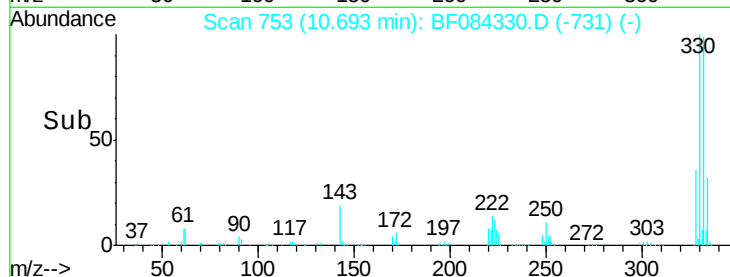
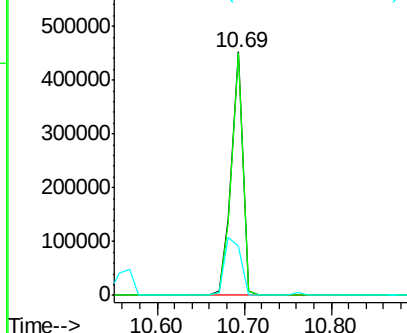
#41  
 2,4,6-Tribromophenol  
 Concen: 85.03 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Tgt Ion:330 Resp: 420997  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.6 114.8  
 141 34.2 27.8 41.6

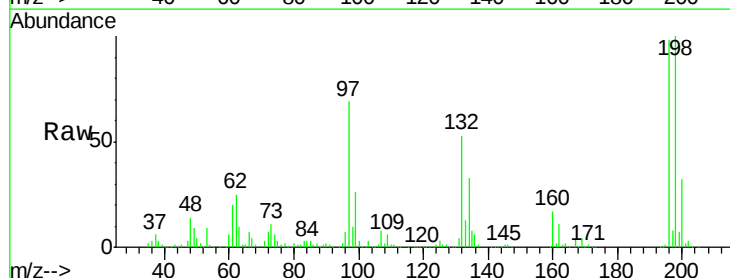


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

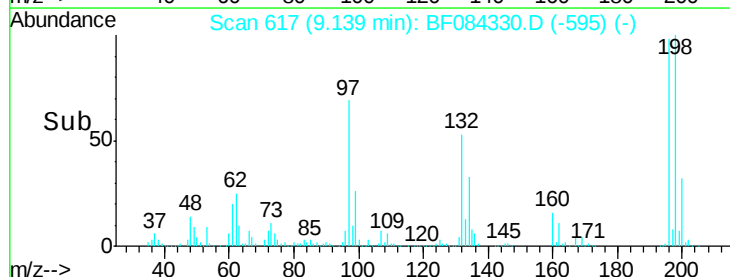
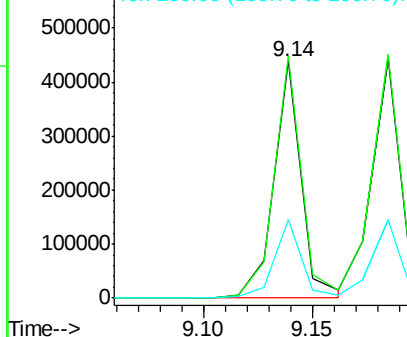


#42  
 2,4,6-Trichlorophenol  
 Concen: 36.81 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:196 Resp: 388268  
 Ion Ratio Lower Upper  
 196 100  
 198 102.3 77.7 116.5  
 200 33.1 24.6 37.0



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

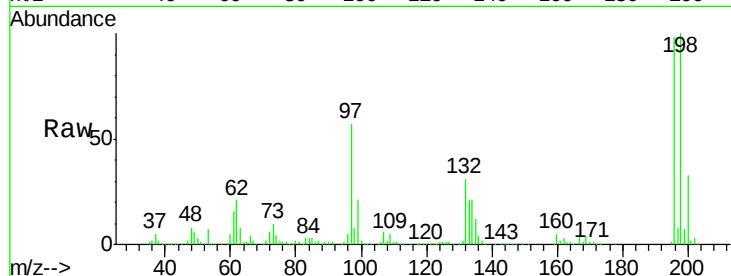




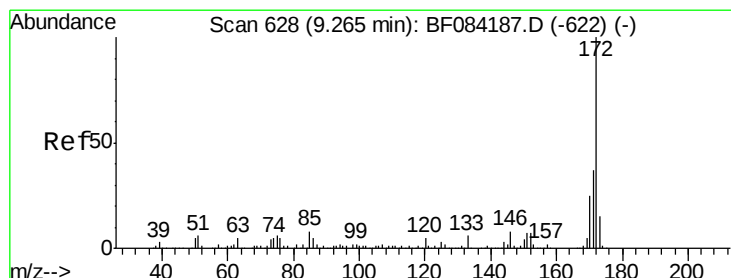
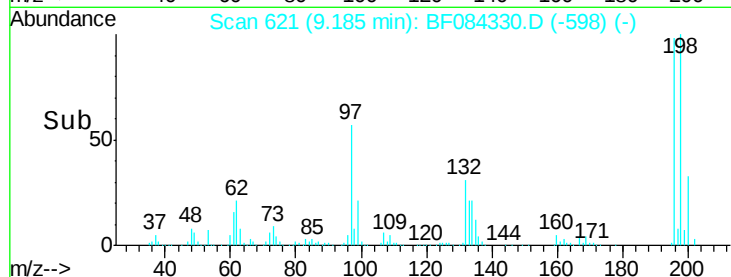
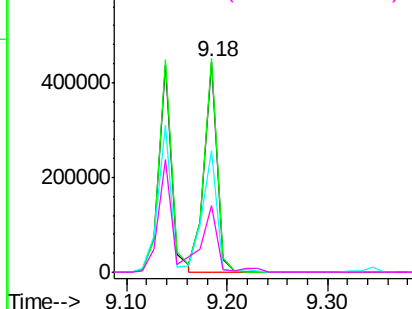
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.60 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.03 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Tgt Ion:196 Resp: 400463  
 Ion Ratio Lower Upper  
 196 100  
 198 101.5 79.0 118.6  
 97 57.6 33.0 49.6#  
 132 31.6 21.1 31.7

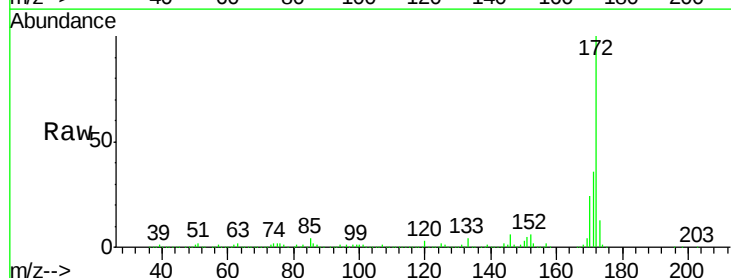


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

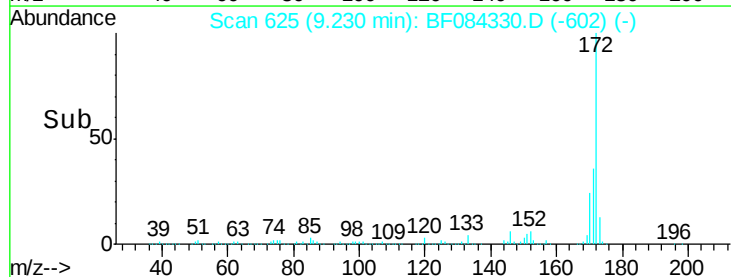
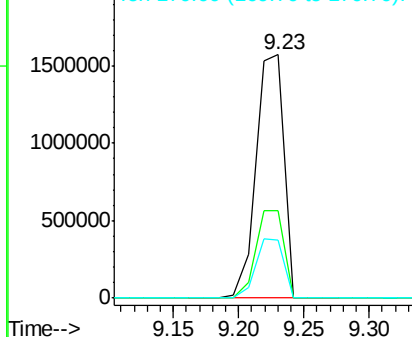


#44  
 2-Fluorobiphenyl  
 Concen: 83.86 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:172 Resp: 2340161  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.9 43.3  
 170 24.1 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

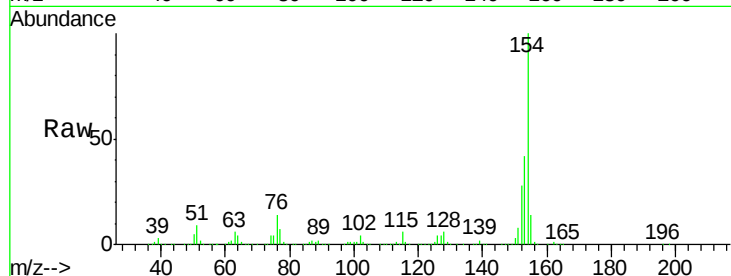




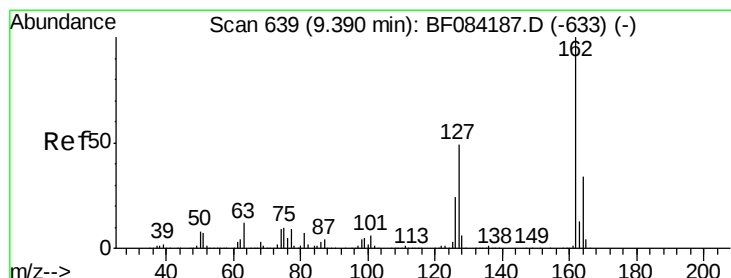
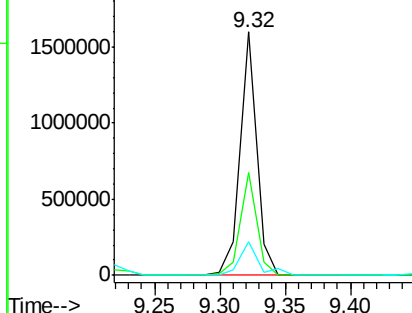
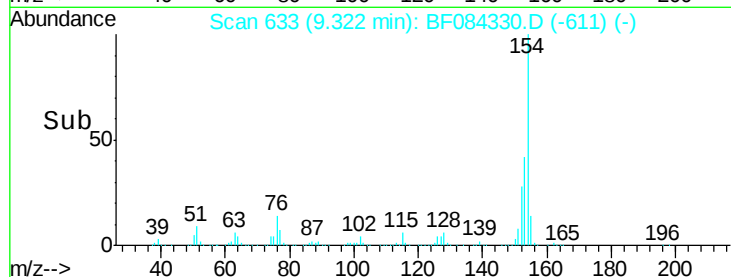
#45  
 1,1'-Biphenyl  
 Concen: 36.11 ng  
 RT: 9.32 min Scan# 633  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Tgt Ion:154 Resp: 1407291  
 Ion Ratio Lower Upper  
 154 100  
 153 42.2 21.6 61.6  
 76 13.7 0.0 32.7

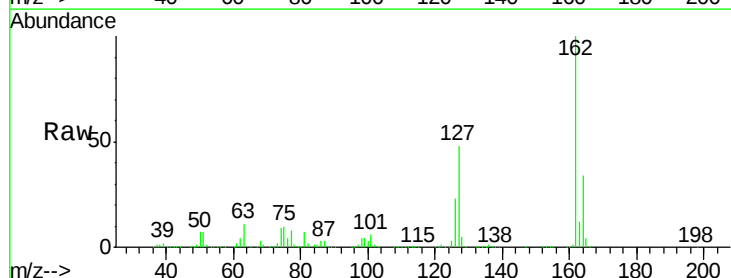


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

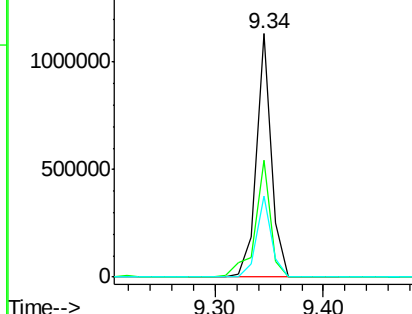
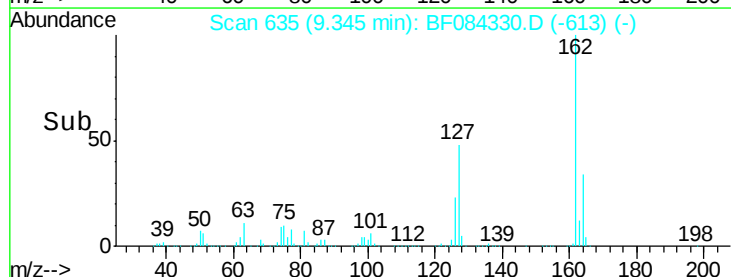


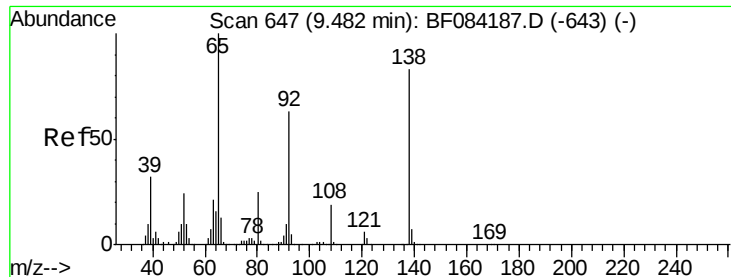
#46  
 2-Chloronaphthalene  
 Concen: 35.58 ng  
 RT: 9.34 min Scan# 635  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:162 Resp: 1089354  
 Ion Ratio Lower Upper  
 162 100  
 127 47.8 40.2 60.4  
 164 33.5 25.7 38.5



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

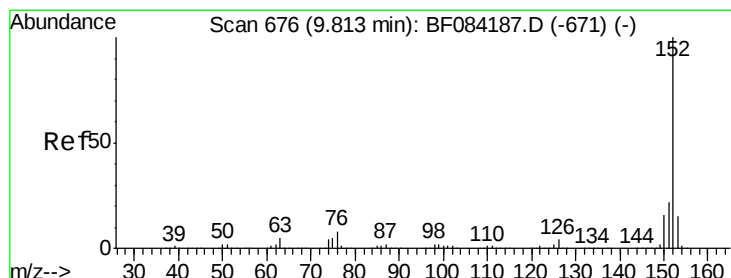
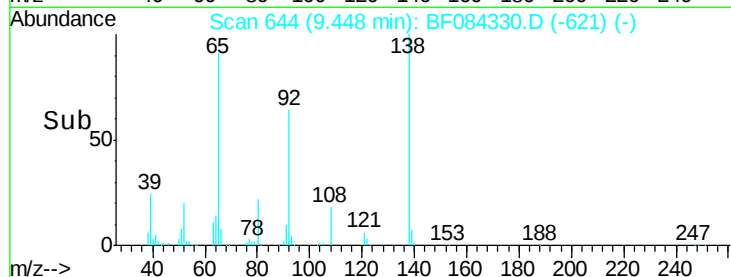
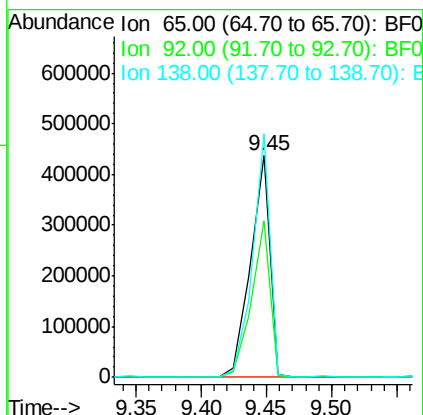
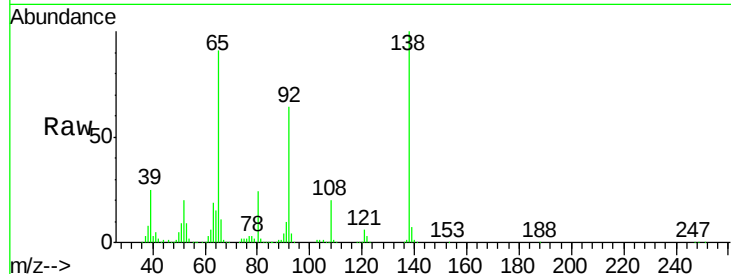




#47  
2-Nitroaniline  
Concen: 44.84 ng  
RT: 9.45 min Scan# 644  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

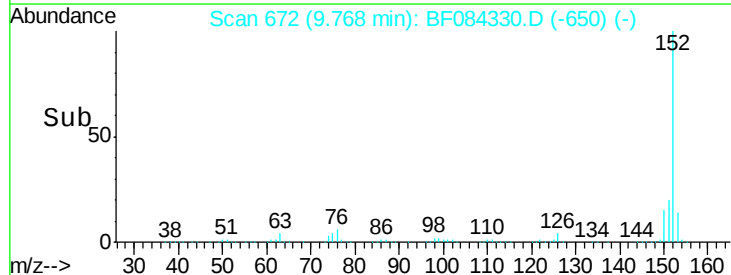
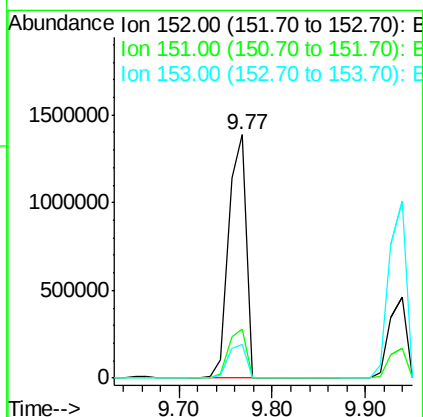
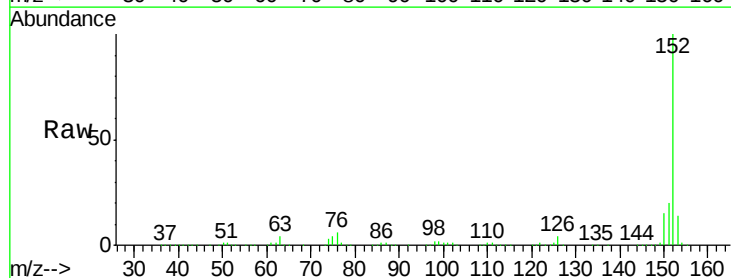
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

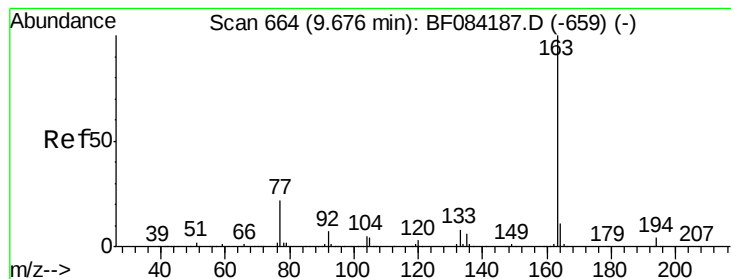
Tgt Ion: 65 Resp: 453067  
Ion Ratio Lower Upper  
65 100  
92 70.7 53.4 80.2  
138 109.8 71.1 106.7#



#48  
Acenaphthylene  
Concen: 40.16 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion: 152 Resp: 1816581  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.3 24.5  
153 14.0 10.4 15.6





#49

Dimethylphthalate

Concen: 40.85 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

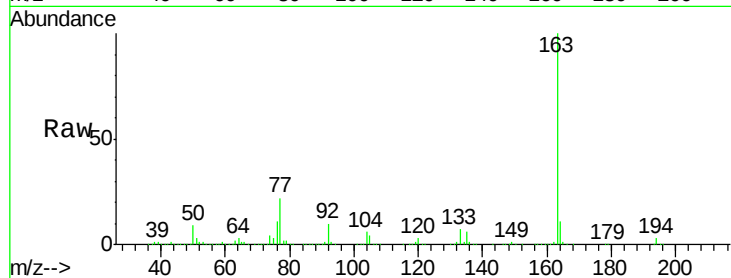
Tgt Ion:163 Resp: 1432222

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

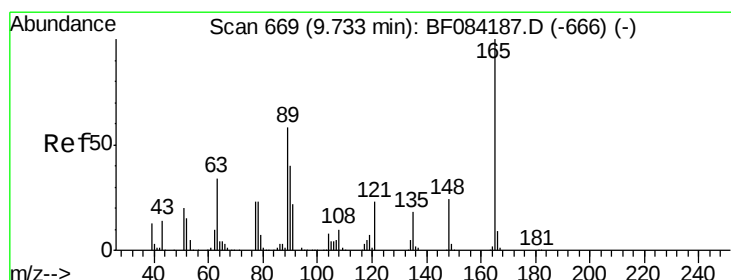
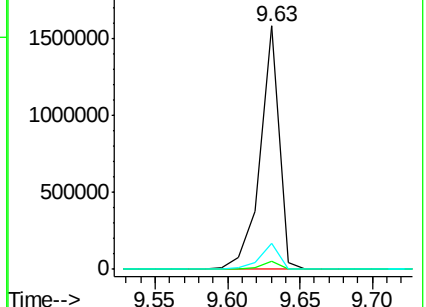
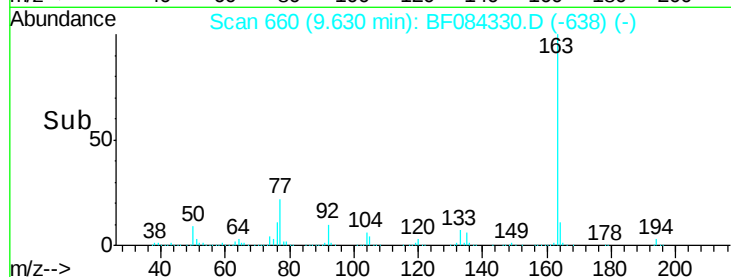
164 10.7 8.0 12.0



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: 38.87 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

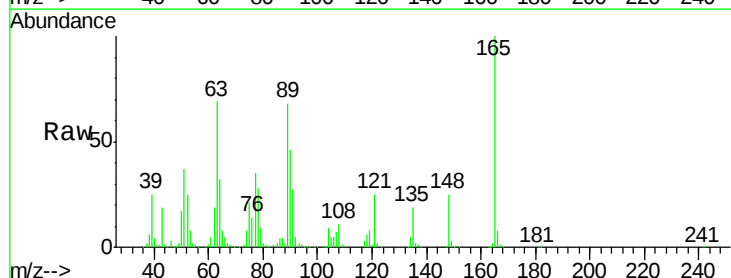
Tgt Ion:165 Resp: 298929

Ion Ratio Lower Upper

165 100

63 68.8 28.8 43.2#

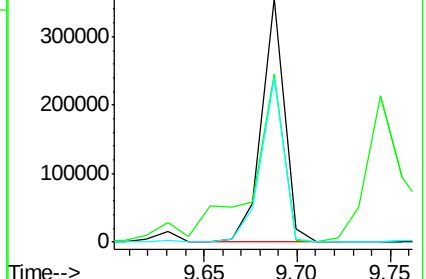
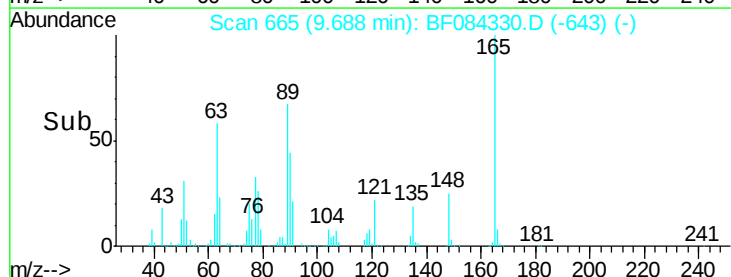
89 67.7 35.1 52.7#

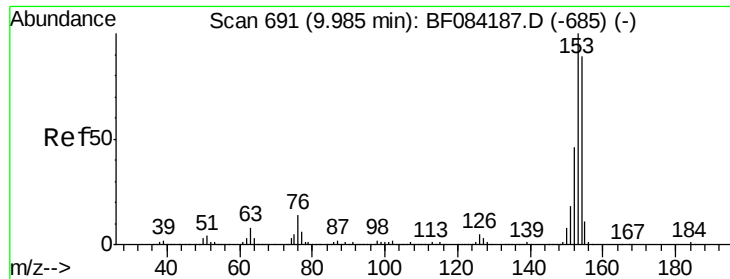


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.38 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.04 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

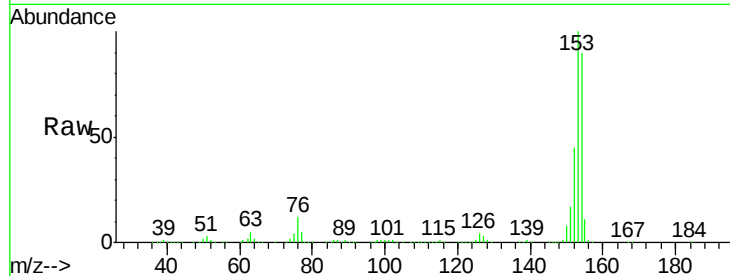
Tgt Ion:154 Resp: 1316297

Ion Ratio Lower Upper

154 100

153 111.5 91.5 137.3

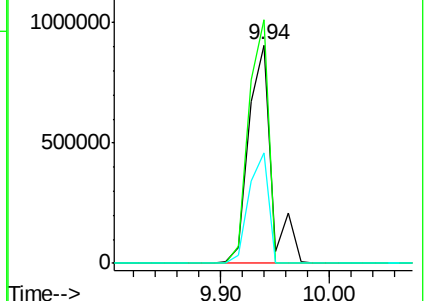
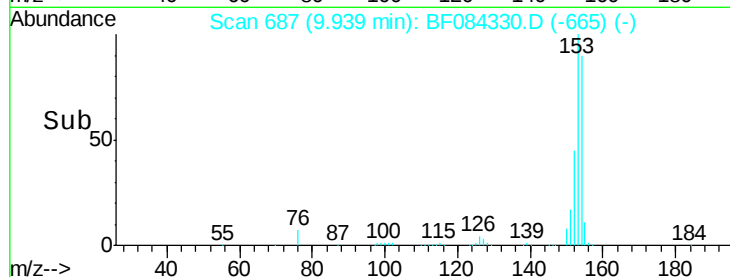
152 50.7 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.16 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

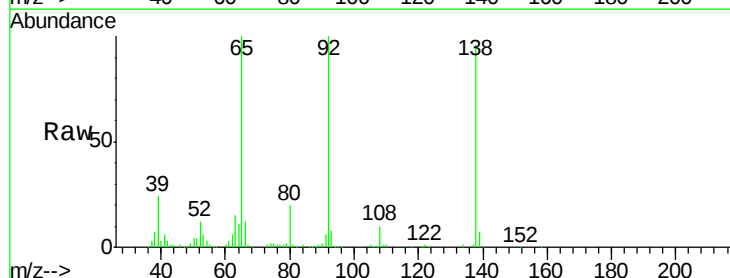
Tgt Ion:138 Resp: 192128

Ion Ratio Lower Upper

138 100

108 10.4 10.5 15.7#

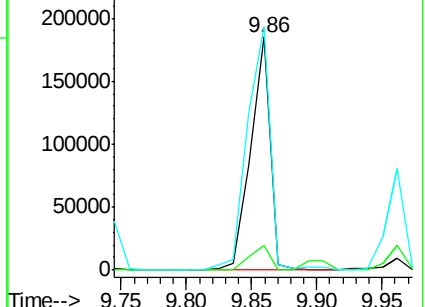
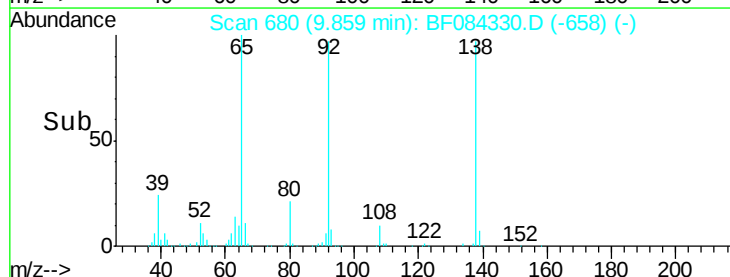
92 104.6 103.9 155.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

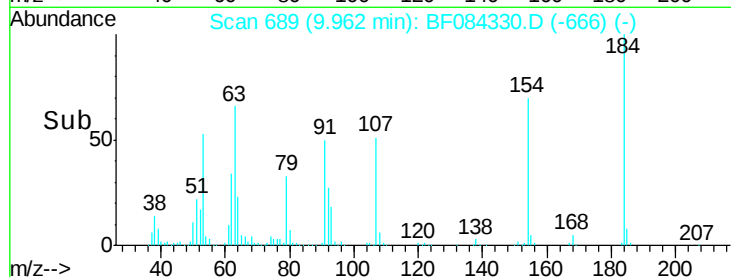
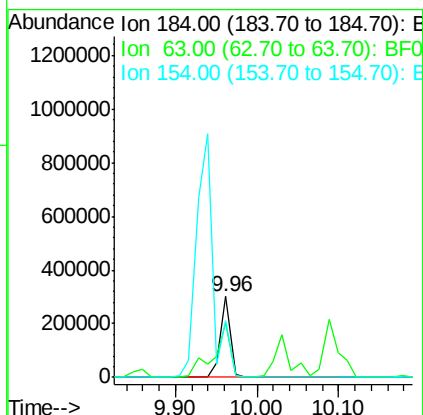
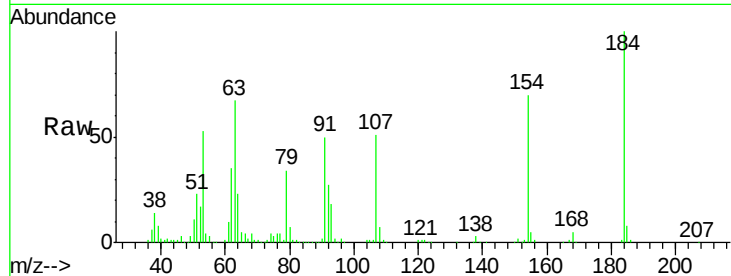




#53  
2,4-Dinitrophenol  
Concen: 79.15 ng  
RT: 9.96 min Scan# 689  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

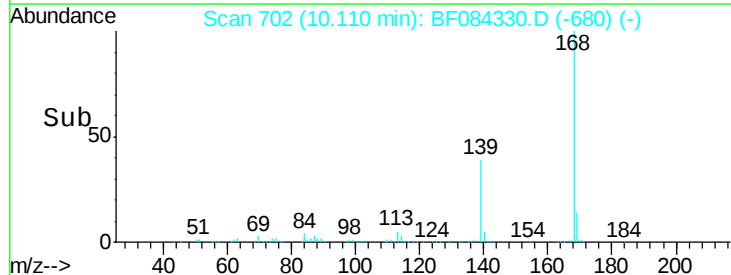
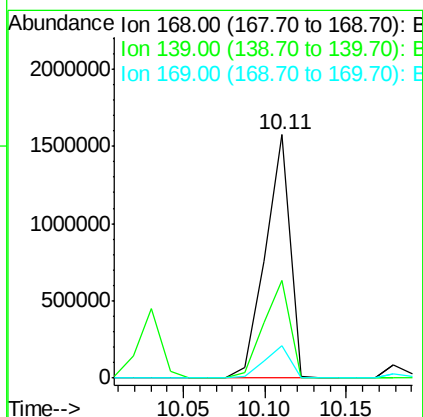
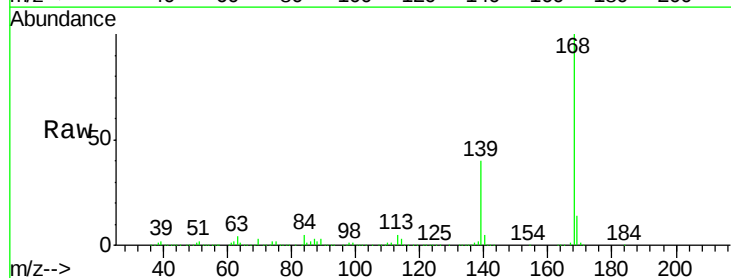
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:184 Resp: 259136  
Ion Ratio Lower Upper  
184 100  
63 66.8 43.1 64.7#  
154 70.3 60.5 90.7



#54  
Dibenzofuran  
Concen: 41.91 ng  
RT: 10.11 min Scan# 702  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:168 Resp: 1655034  
Ion Ratio Lower Upper  
168 100  
139 40.0 30.5 45.7  
169 13.5 10.4 15.6

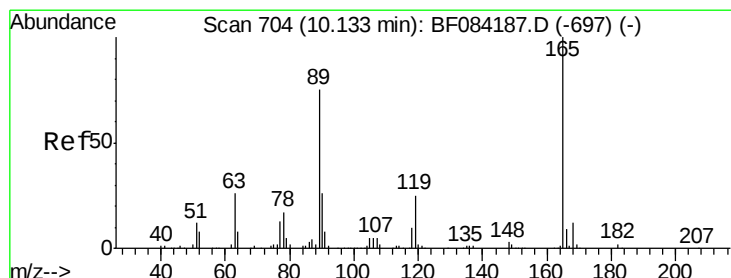
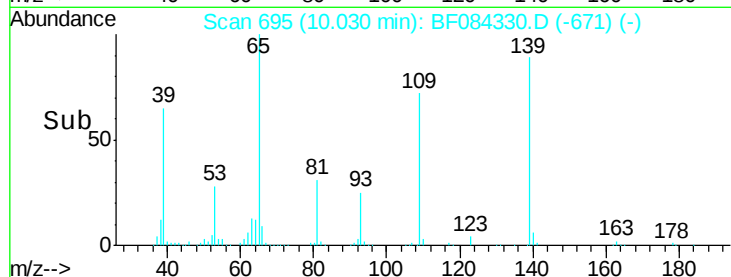
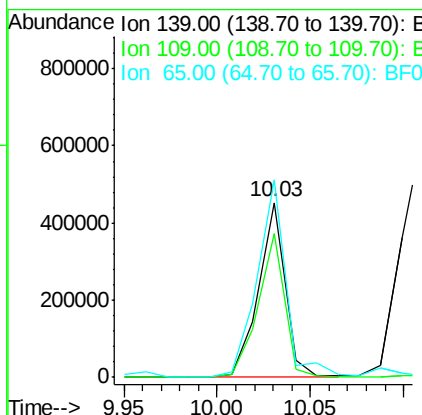
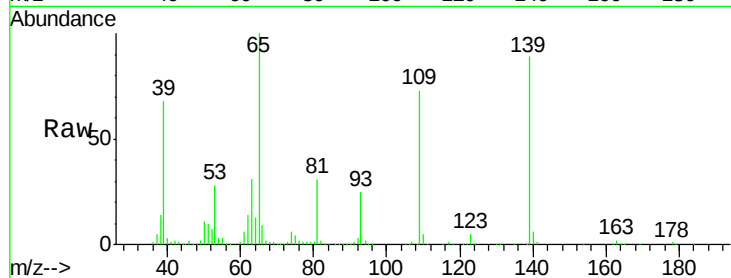




#55  
4-Nitrophenol  
Concen: 65.07 ng  
RT: 10.03 min Scan# 695  
Delta R.T. -0.02 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

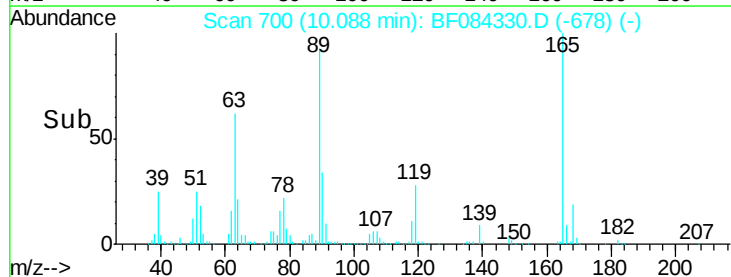
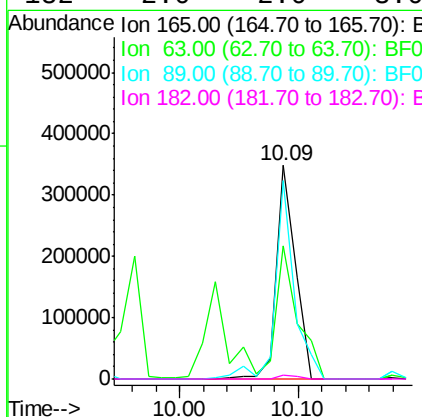
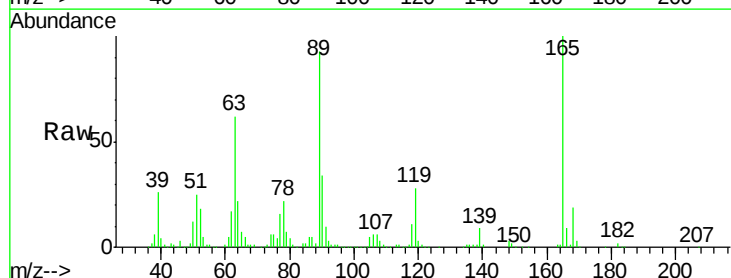
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

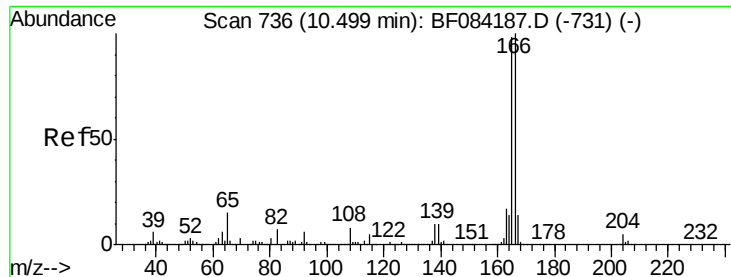
Tgt Ion:139 Resp: 450034  
Ion Ratio Lower Upper  
139 100  
109 82.2 58.5 98.5  
65 113.0 57.6 97.6#



#56  
2,4-Dinitrotoluene  
Concen: 39.31 ng  
RT: 10.09 min Scan# 700  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:165 Resp: 382538  
Ion Ratio Lower Upper  
165 100  
63 62.3 36.7 55.1#  
89 93.0 61.9 92.9#  
182 2.0 2.0 3.0

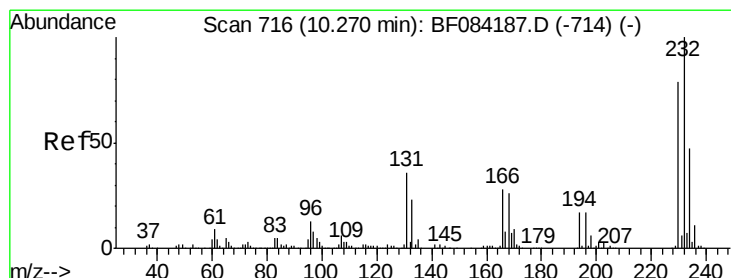
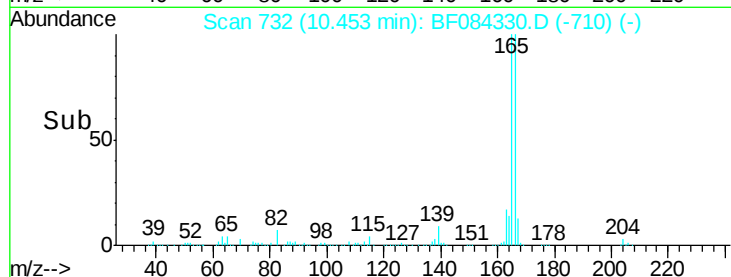
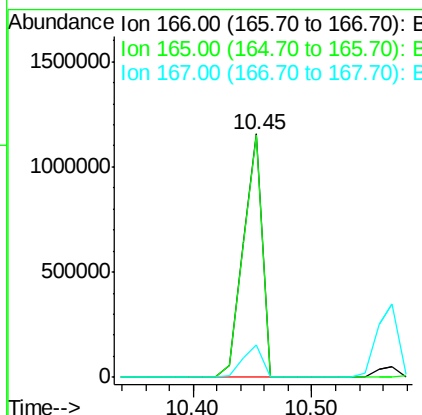
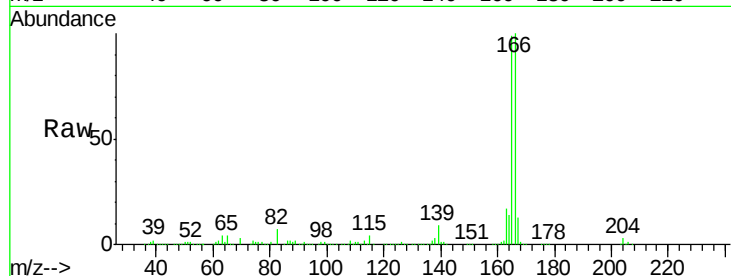




#57  
 Fluorene  
 Concen: 42.03 ng  
 RT: 10.45 min Scan# 732  
 Delta R.T. -0.04 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

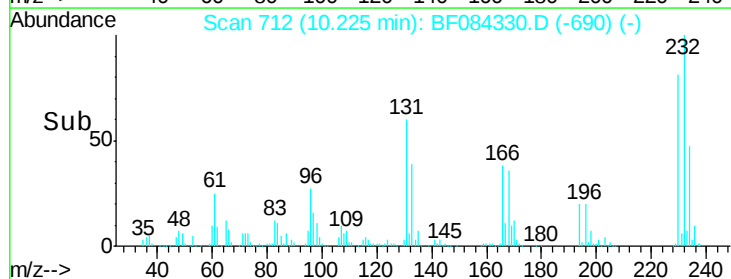
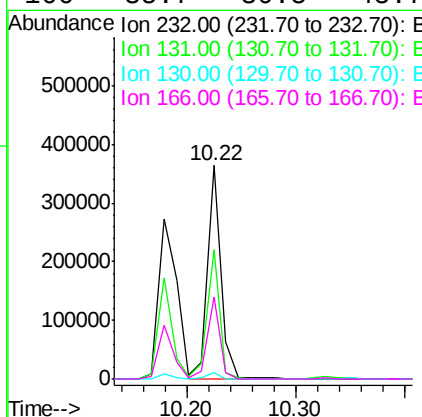
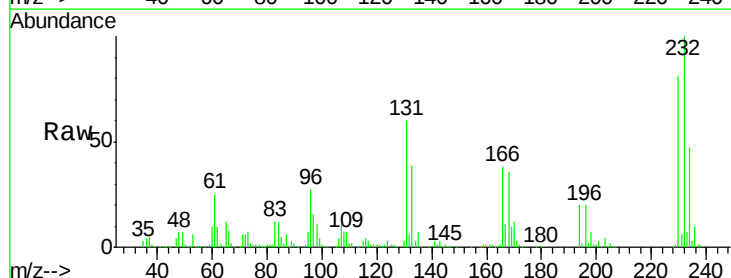
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

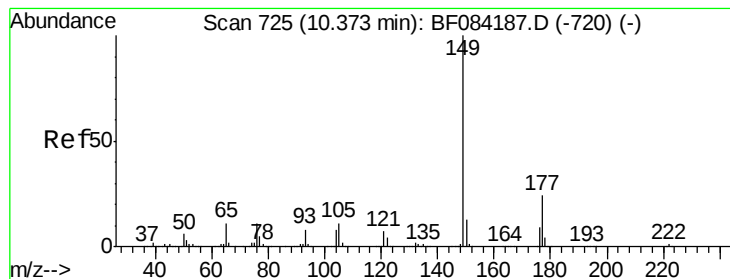
Tgt Ion:166 Resp: 1281871  
 Ion Ratio Lower Upper  
 166 100  
 165 99.4 79.1 118.7  
 167 13.3 10.4 15.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 36.78 ng  
 RT: 10.22 min Scan# 712  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion:232 Resp: 317562  
 Ion Ratio Lower Upper  
 232 100  
 131 56.9 47.0 70.6  
 130 2.8 2.0 3.0  
 166 35.7 30.5 45.7





#59

Diethylphthalate

Concen: 37.60 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

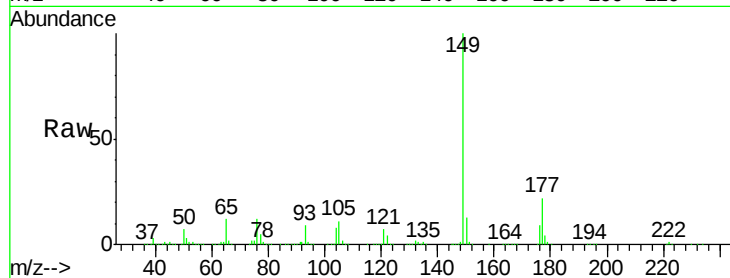
Tgt Ion:149 Resp: 1299846

Ion Ratio Lower Upper

149 100

177 22.4 17.3 25.9

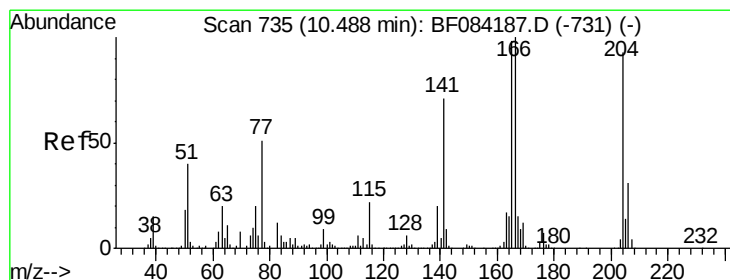
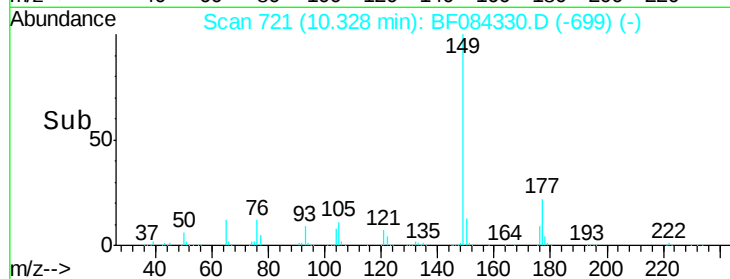
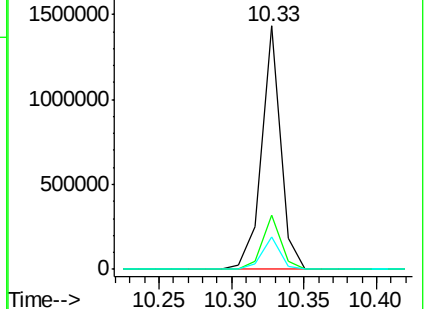
150 13.3 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.30 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

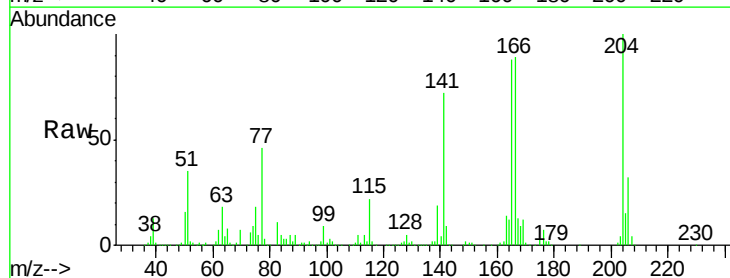
Tgt Ion:204 Resp: 580103

Ion Ratio Lower Upper

204 100

206 32.4 25.7 38.5

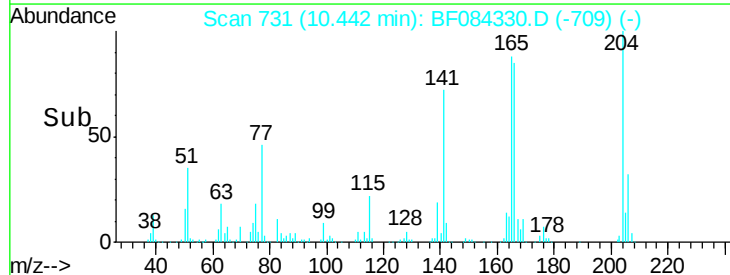
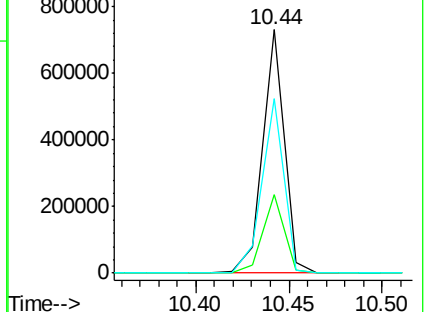
141 71.9 55.1 82.7



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

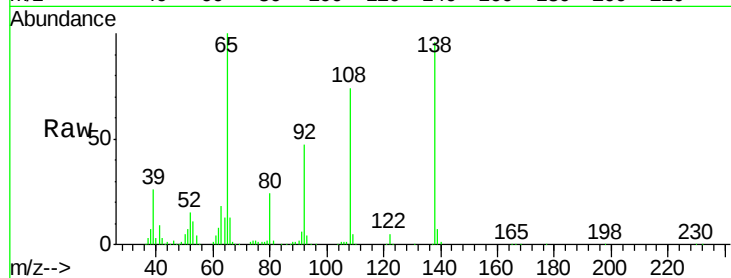




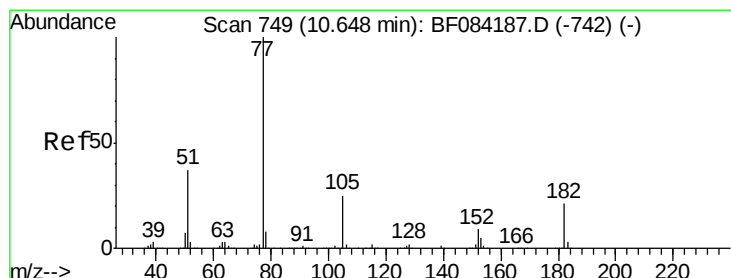
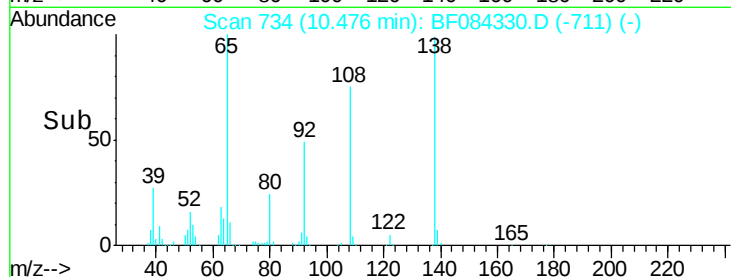
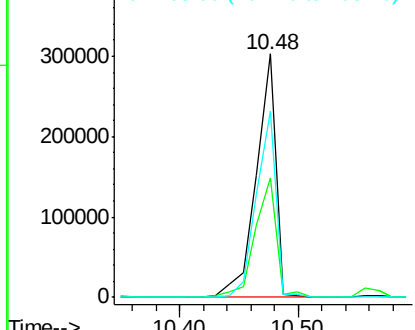
#61  
4-Nitroaniline  
Concen: 41.13 ng  
RT: 10.48 min Scan# 734  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:138 Resp: 349351  
Ion Ratio Lower Upper  
138 100  
92 49.0 32.6 72.6  
108 76.6 68.6 108.6

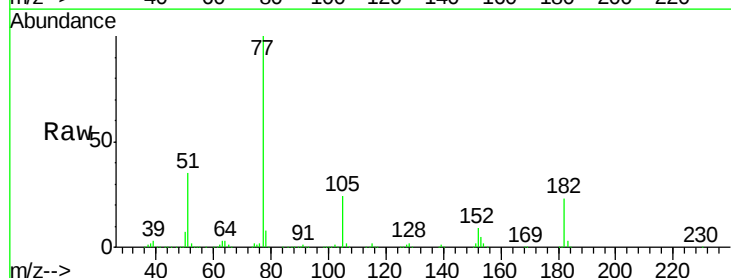


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

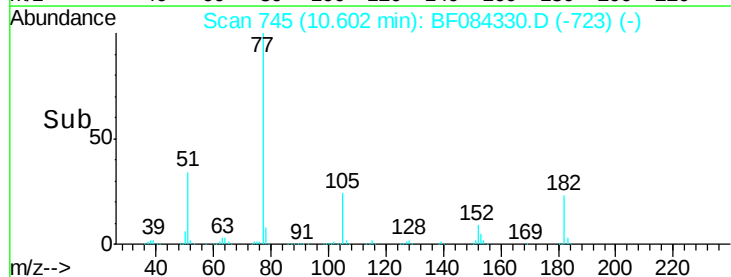
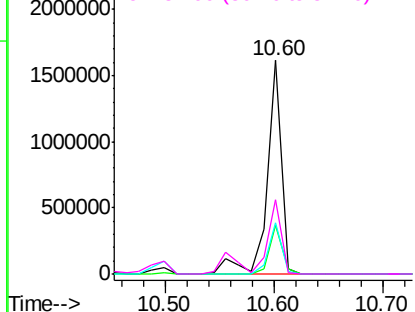


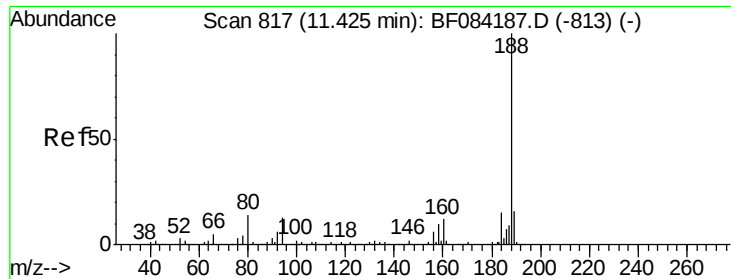
#62  
Azobenzene  
Concen: 39.86 ng  
RT: 10.60 min Scan# 745  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion: 77 Resp: 1511319  
Ion Ratio Lower Upper  
77 100  
182 22.8 8.3 48.3  
105 24.2 4.6 44.6  
51 34.5 6.2 46.2



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

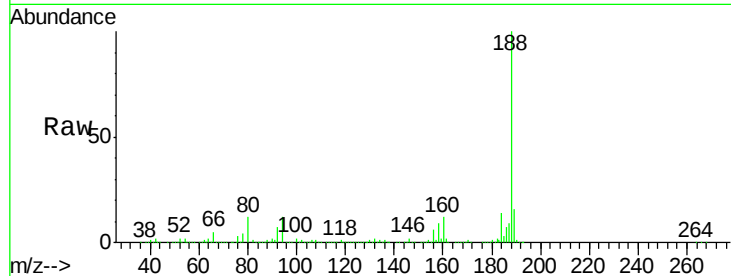
Tgt Ion:188 Resp: 906268

Ion Ratio Lower Upper

188 100

94 11.7 9.0 13.4

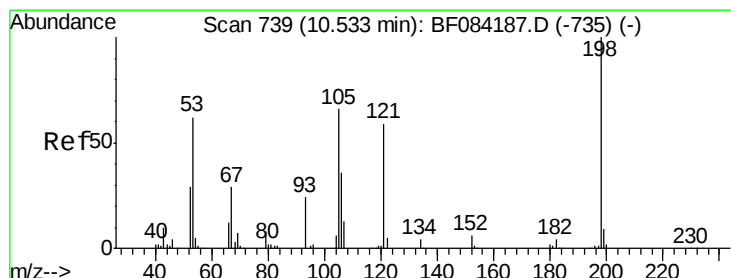
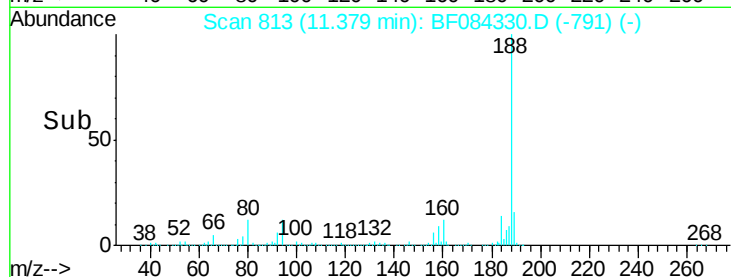
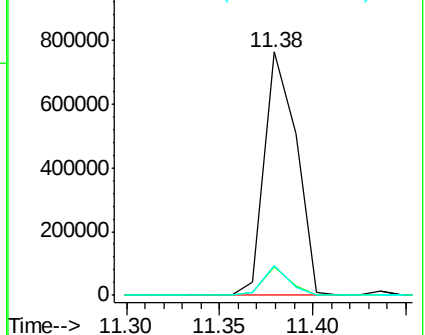
80 12.3 9.6 14.4



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: 38.31 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

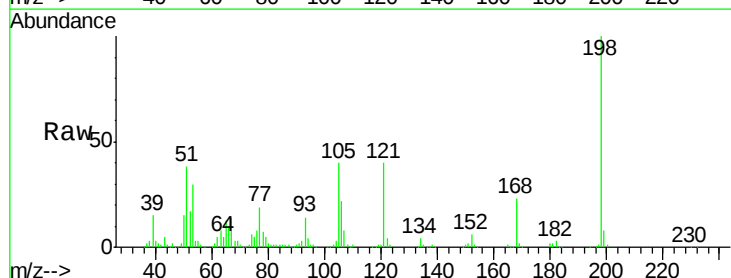
Tgt Ion:198 Resp: 212068

Ion Ratio Lower Upper

198 100

51 37.9 18.9 58.9

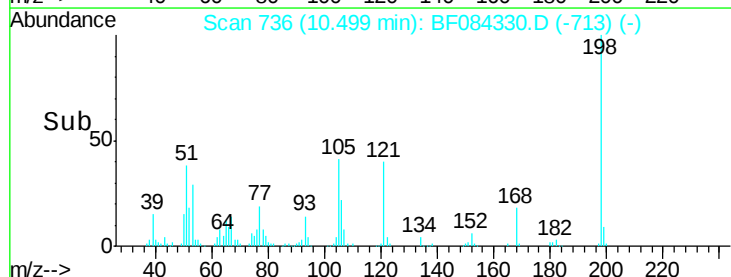
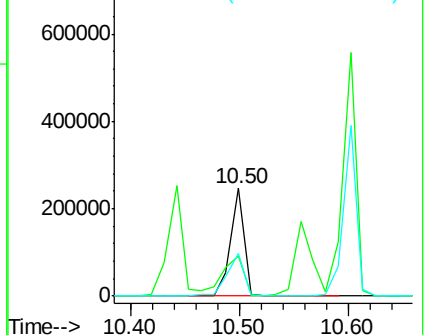
105 40.1 26.4 66.4

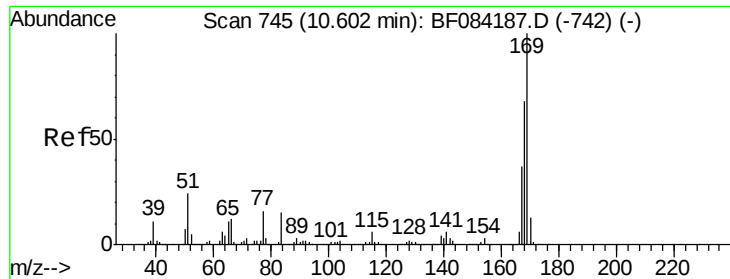


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

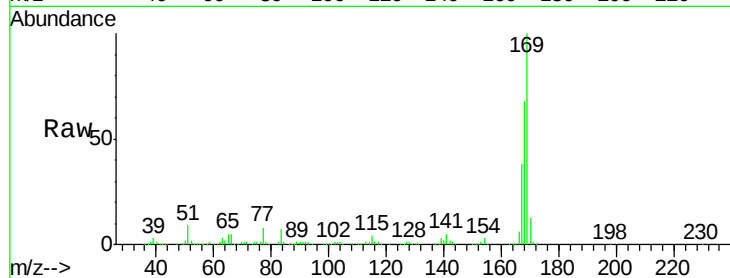




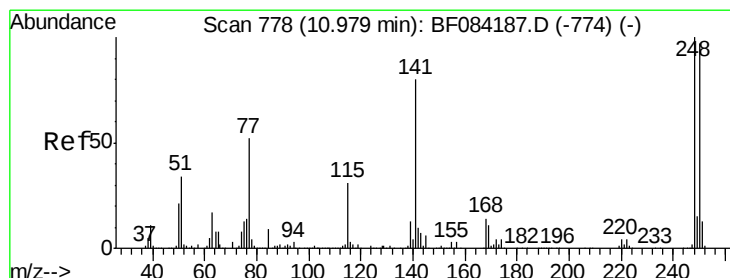
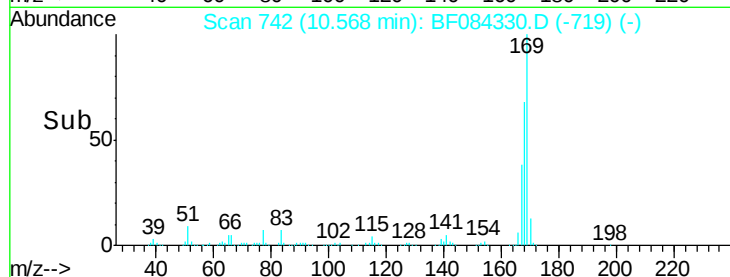
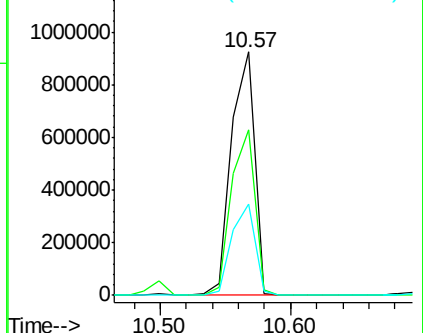
#65  
n-Nitrosodiphenylamine  
Concen: 39.33 ng  
RT: 10.57 min Scan# 742  
Delta R.T. -0.03 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:169 Resp: 1139577  
Ion Ratio Lower Upper  
169 100  
168 68.0 55.1 82.7  
167 37.6 30.0 45.0

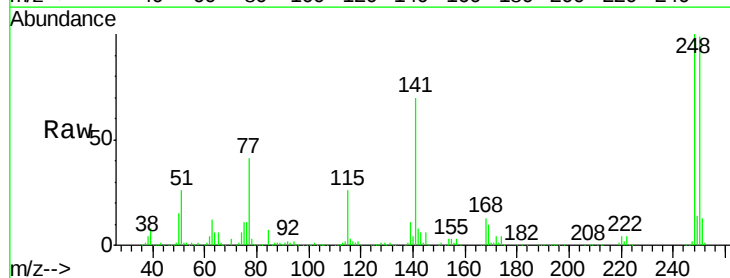


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

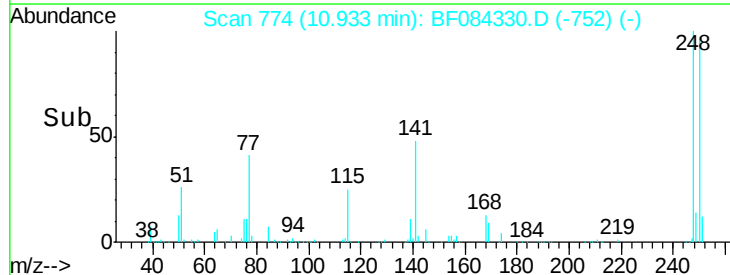
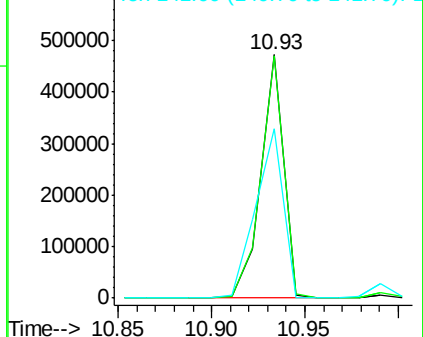


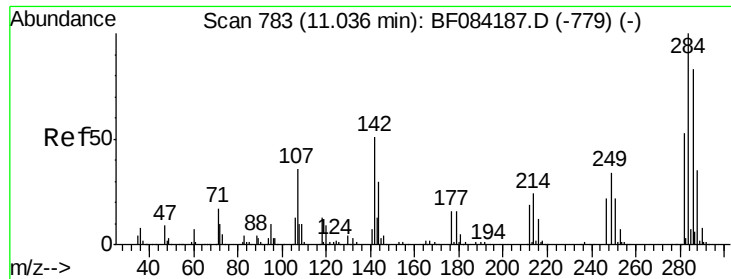
#66  
4-Bromophenyl-phenylether  
Concen: 40.74 ng  
RT: 10.93 min Scan# 774  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:248 Resp: 397385  
Ion Ratio Lower Upper  
248 100  
250 99.4 78.4 117.6  
141 69.8 44.0 66.0#



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

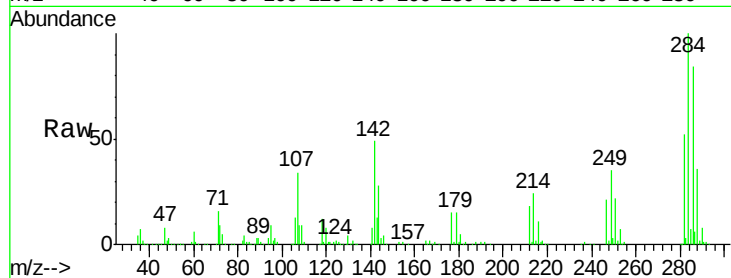




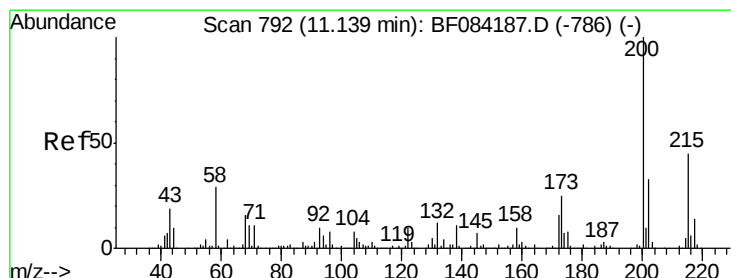
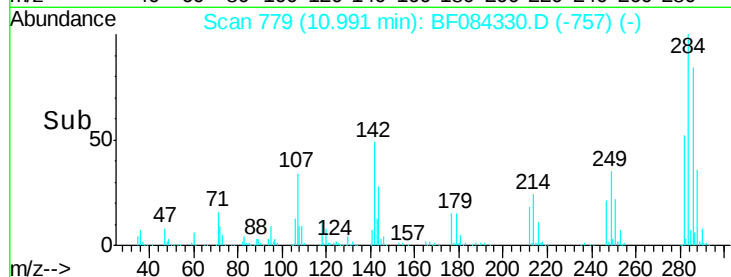
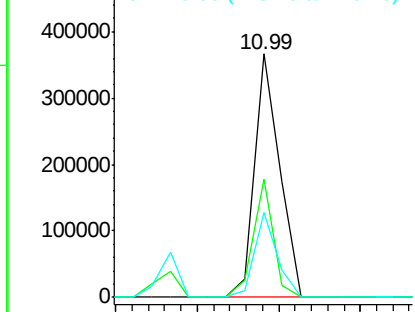
#67  
Hexachlorobenzene  
Concen: 35.60 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:284 Resp: 390849  
Ion Ratio Lower Upper  
284 100  
142 48.7 22.2 33.4#  
249 34.7 24.6 37.0

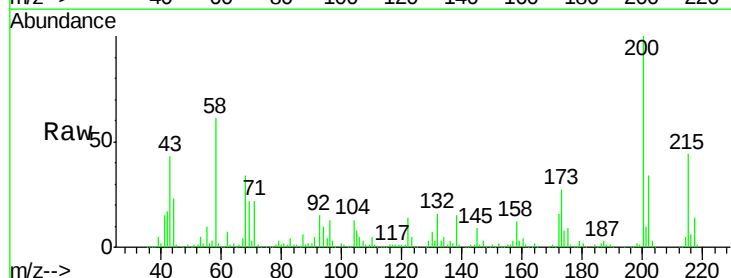


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

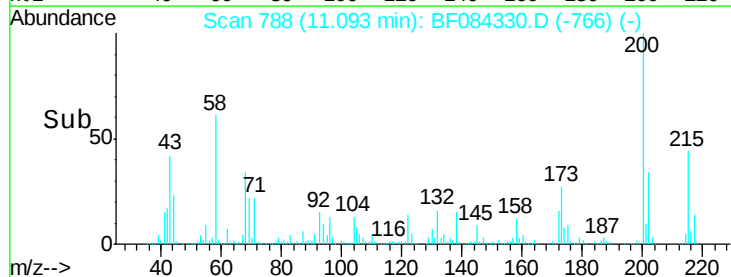
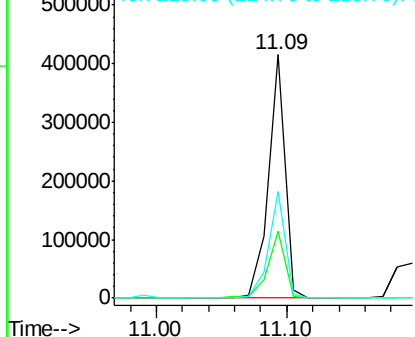


#68  
Atrazine  
Concen: 39.23 ng  
RT: 11.09 min Scan# 788  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:200 Resp: 371986  
Ion Ratio Lower Upper  
200 100  
173 27.4 9.5 49.5  
215 43.8 23.8 63.8



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

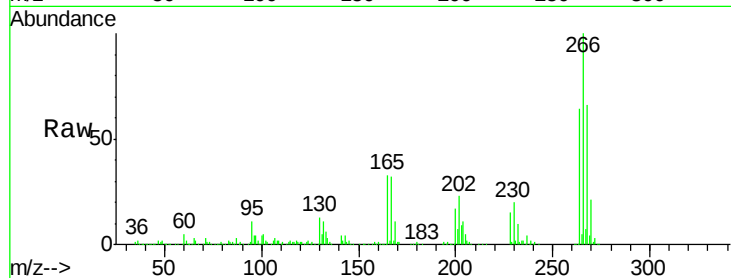




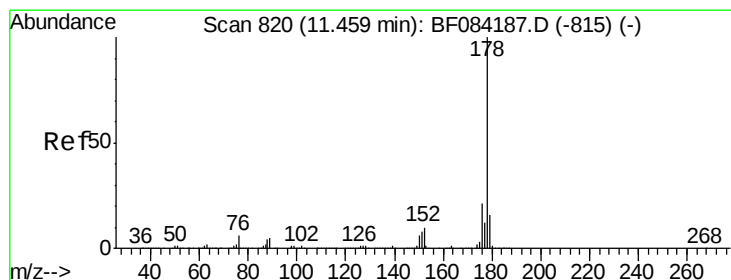
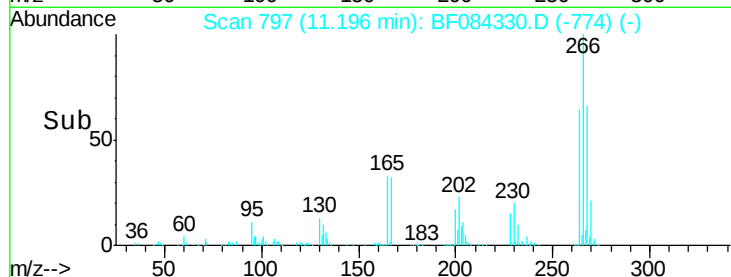
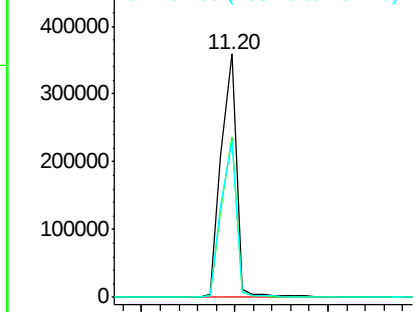
#69  
 Pentachlorophenol  
 Concen: 72.64 ng  
 RT: 11.20 min Scan# 797  
 Delta R.T. -0.03 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Tgt Ion: 266 Resp: 413490  
 Ion Ratio Lower Upper  
 266 100  
 268 66.0 52.4 78.6  
 264 64.3 50.2 75.2

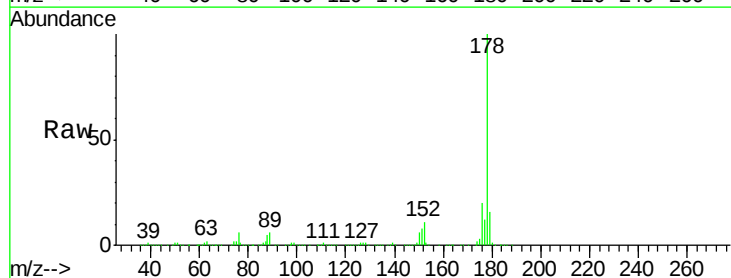


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

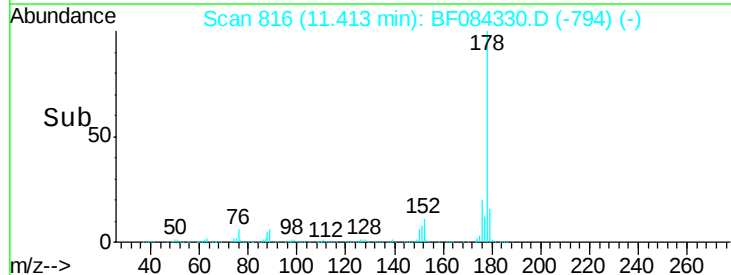
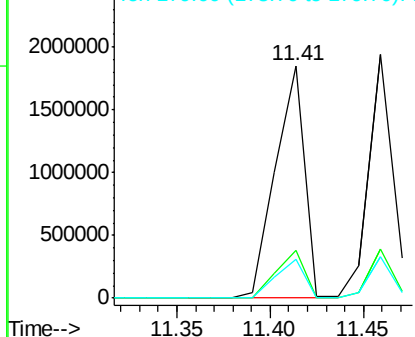


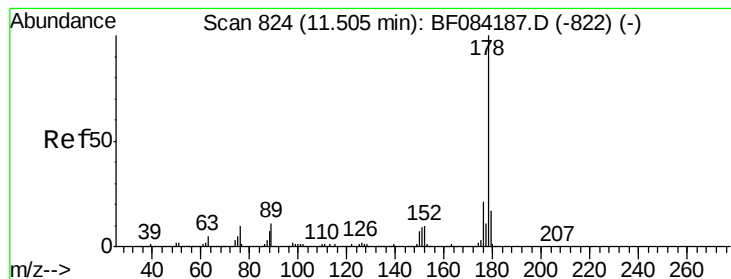
#70  
 Phenanthrene  
 Concen: 42.25 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion: 178 Resp: 2002867  
 Ion Ratio Lower Upper  
 178 100  
 176 20.5 15.3 22.9  
 179 16.5 12.0 18.0



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





#71

Anthracene

Concen: 37.39 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.04 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

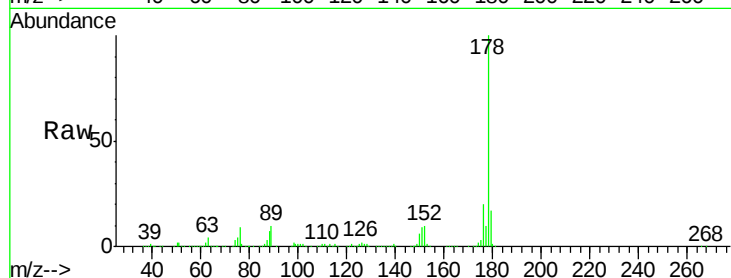
Tgt Ion:178 Resp: 1737297

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.0

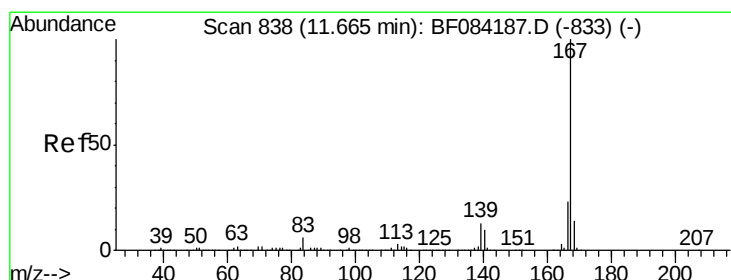
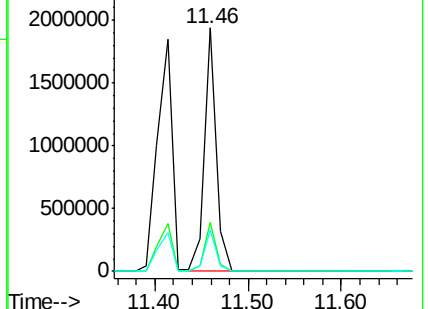
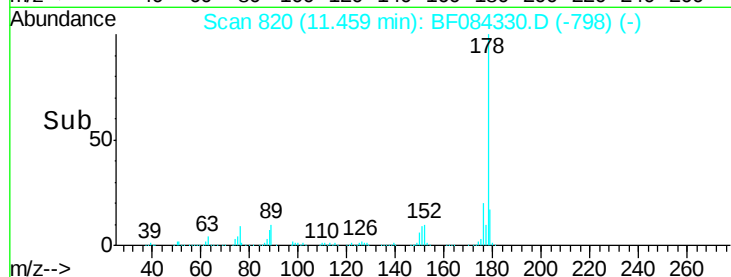
179 16.9 12.5 18.7



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: 39.30 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

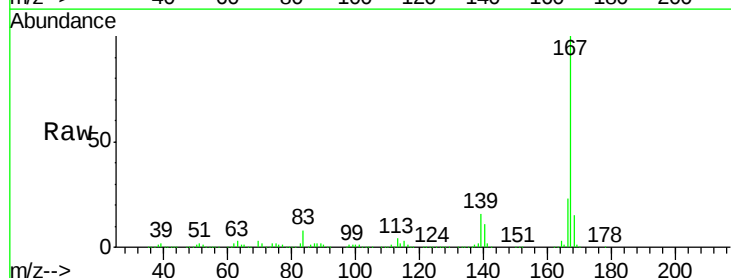
Tgt Ion:167 Resp: 1785588

Ion Ratio Lower Upper

167 100

166 23.2 17.6 26.4

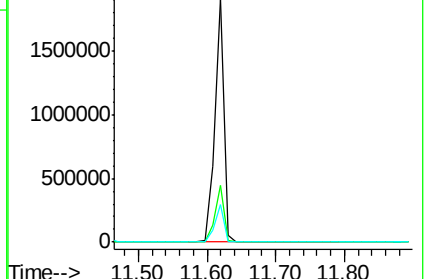
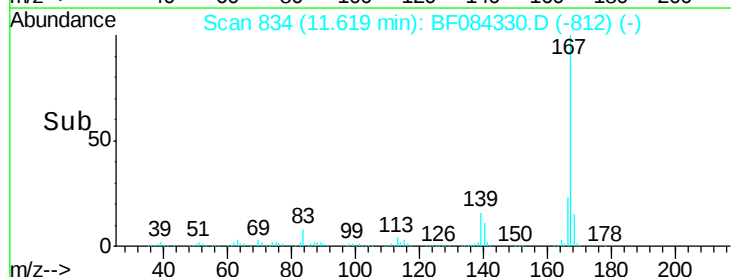
139 15.5 11.8 17.8

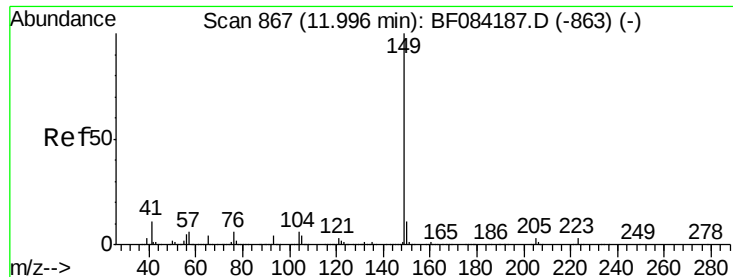


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.80 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

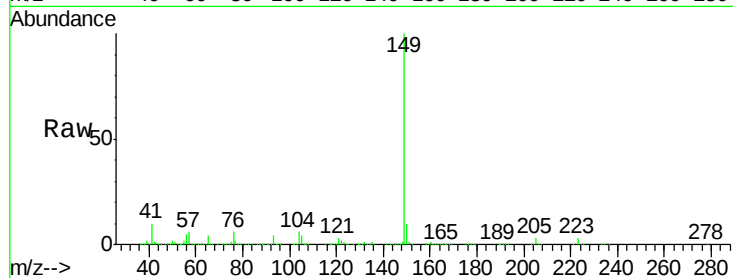
Tgt Ion:149 Resp: 1980807

Ion Ratio Lower Upper

149 100

150 10.3 7.1 10.7

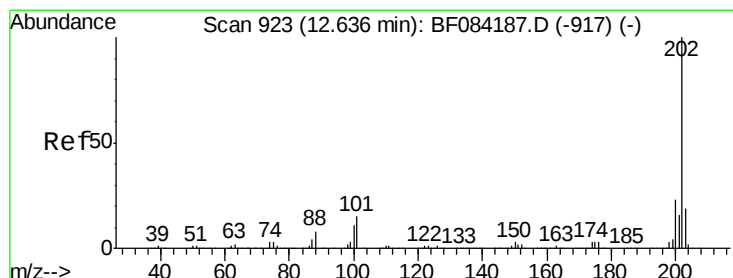
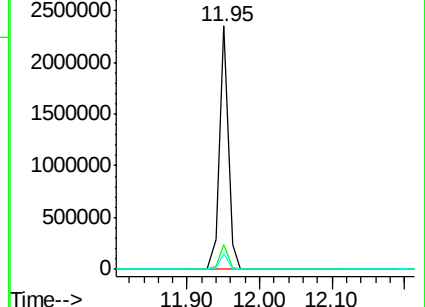
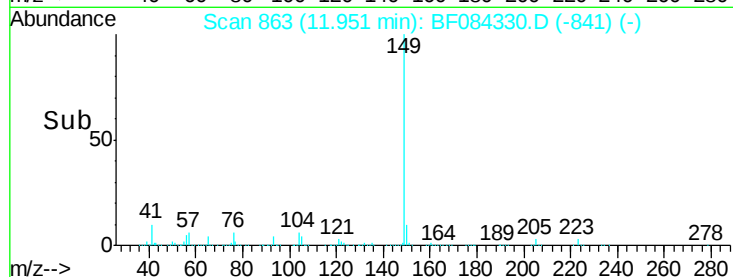
104 6.3 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.80 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

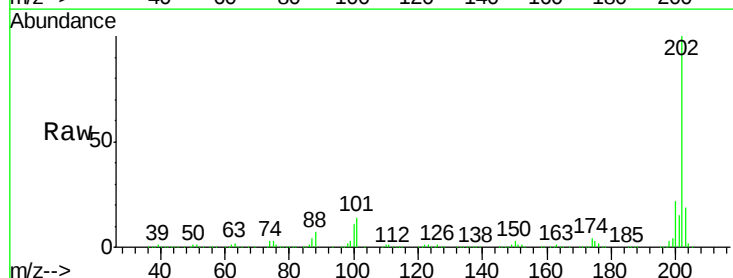
Tgt Ion:202 Resp: 1921429

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.8

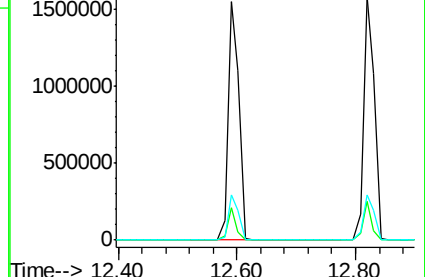
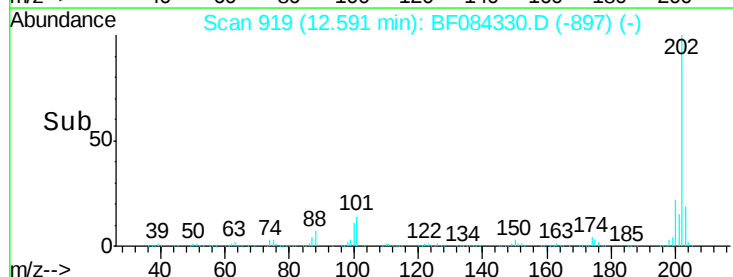
203 18.9 0.0 37.9

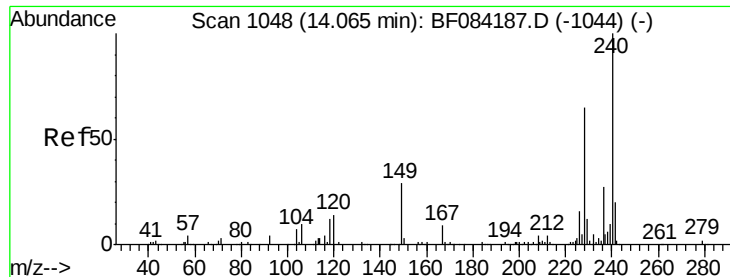


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

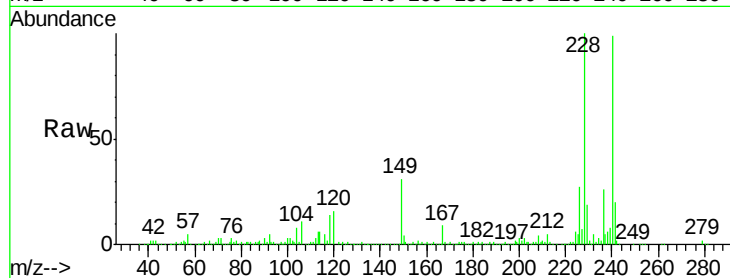
Instrument :

BNA\_F

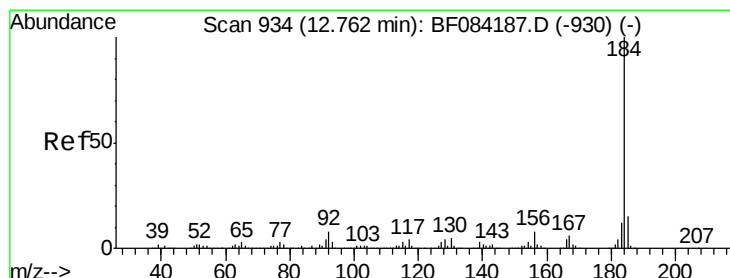
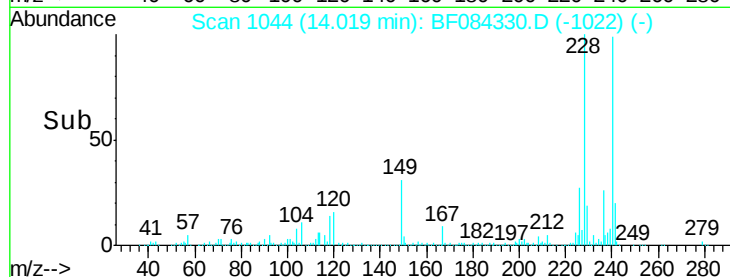
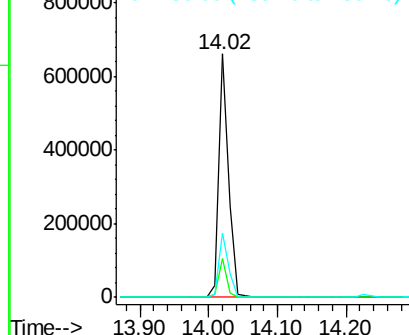
ClientSampleId :

PB87668BSD

Tgt Ion:240 Resp: 661857  
 Ion Ratio Lower Upper  
 240 100  
 120 15.7 9.5 14.3#  
 236 26.6 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 24.71 ng

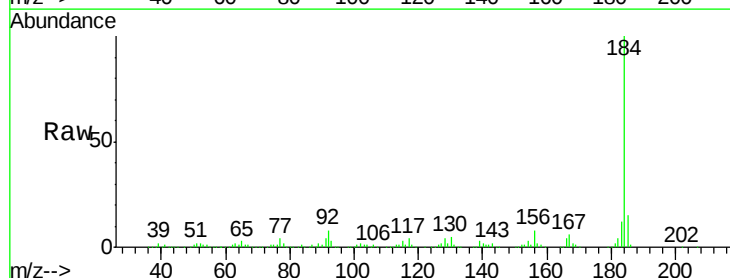
RT: 12.72 min Scan# 930

Delta R.T. -0.05 min

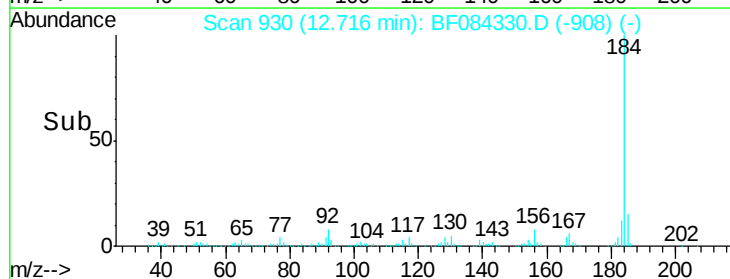
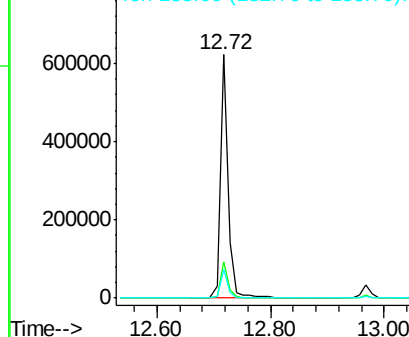
Lab File: BF084330.D

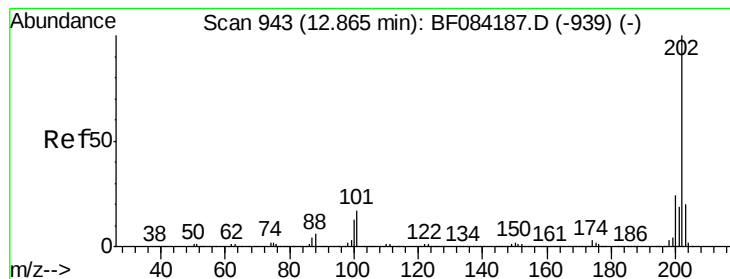
Acq: 8 Jan 2016 16:18

Tgt Ion:184 Resp: 586394  
 Ion Ratio Lower Upper  
 184 100  
 185 15.1 12.2 18.2  
 183 11.5 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 185.00 (184.70 to 185.70): E  
 Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 37.81 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

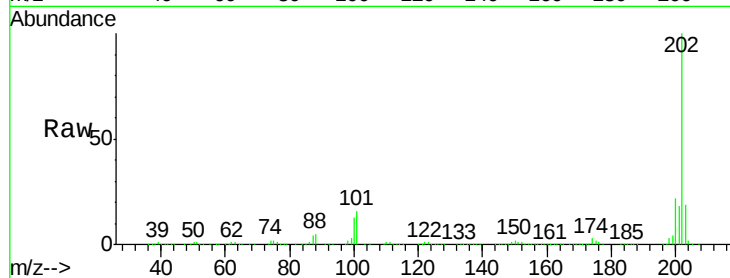
Tgt Ion:202 Resp: 1963722

Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

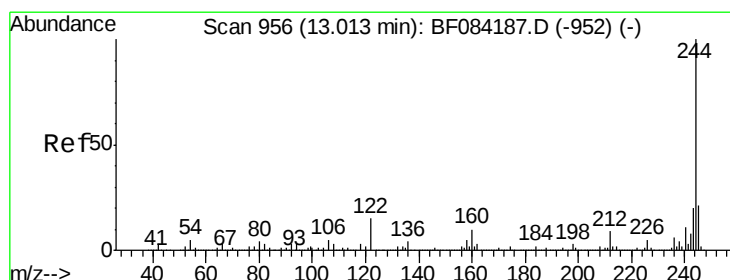
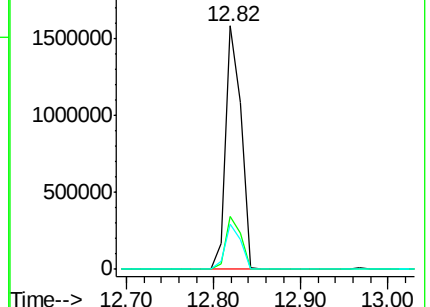
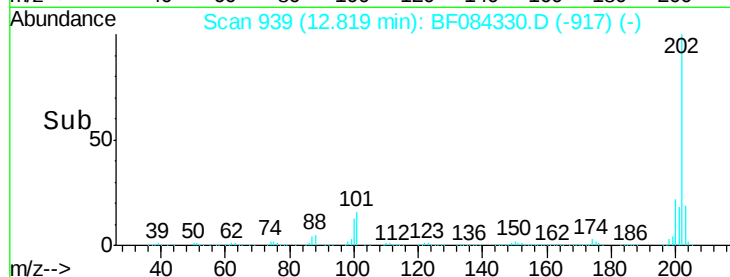
203 18.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.15 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

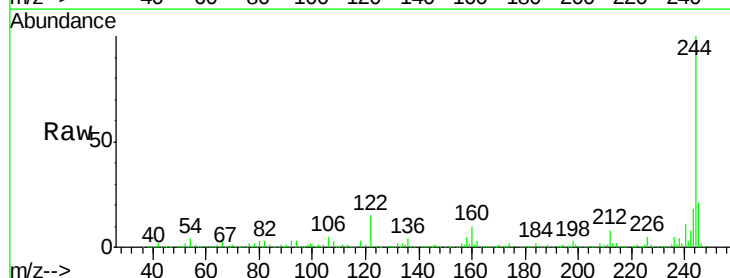
Tgt Ion:244 Resp: 2228259

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

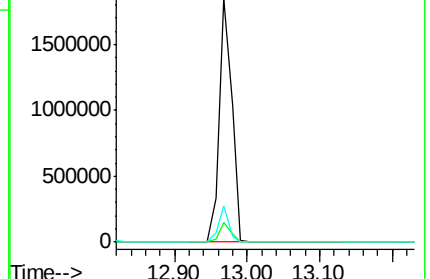
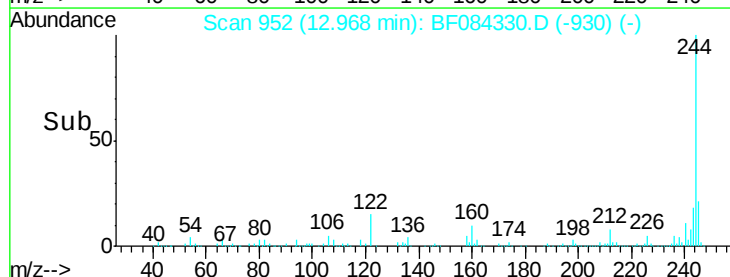
122 15.0 7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

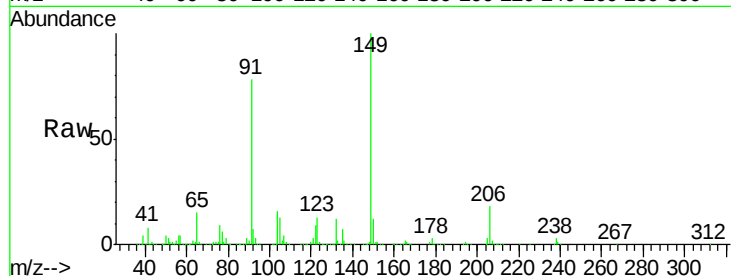




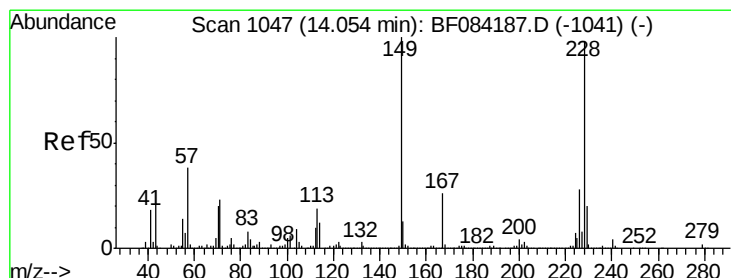
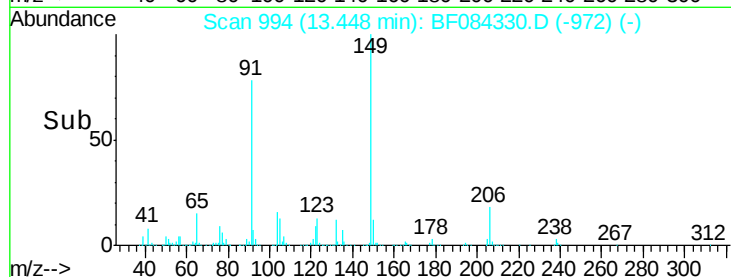
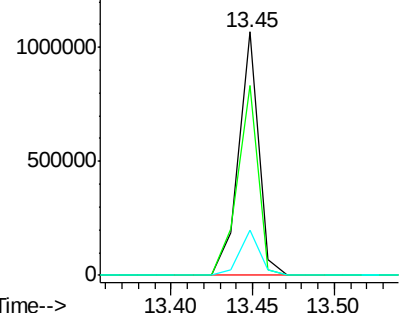
#79  
Butylbenzylphthalate  
Concen: 40.49 ng  
RT: 13.45 min Scan# 994  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

Tgt Ion:149 Resp: 909963  
Ion Ratio Lower Upper  
149 100  
91 78.0 57.6 86.4  
206 18.4 13.2 19.8

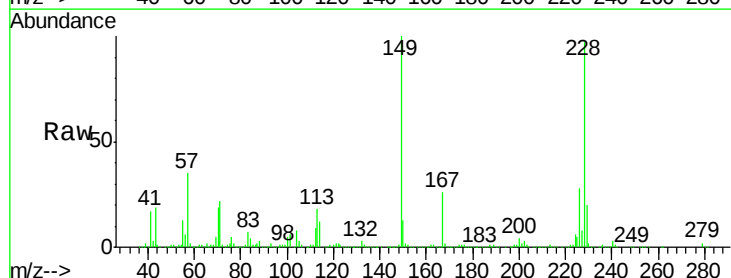


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

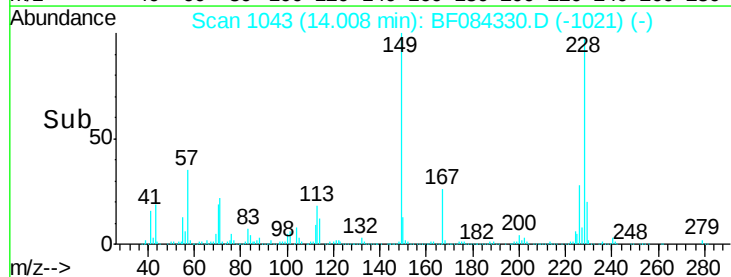
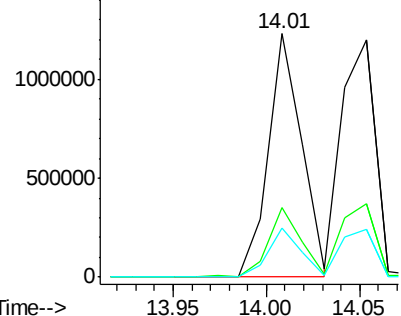


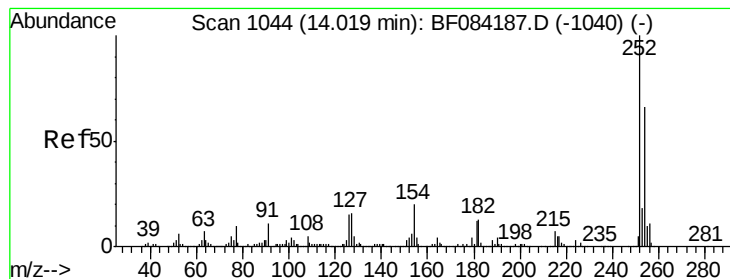
#80  
Benzo(a)anthracene  
Concen: 39.50 ng  
RT: 14.01 min Scan# 1043  
Delta R.T. -0.05 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:228 Resp: 1535196  
Ion Ratio Lower Upper  
228 100  
226 28.5 21.8 32.6  
229 20.3 15.8 23.8



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

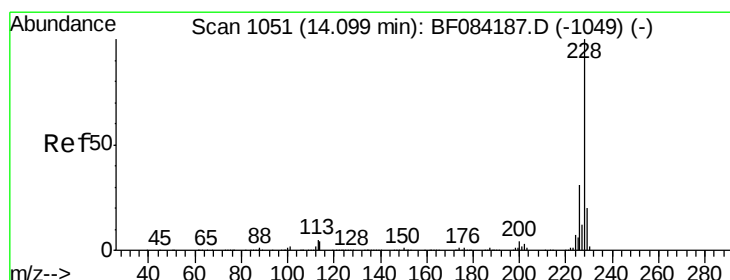
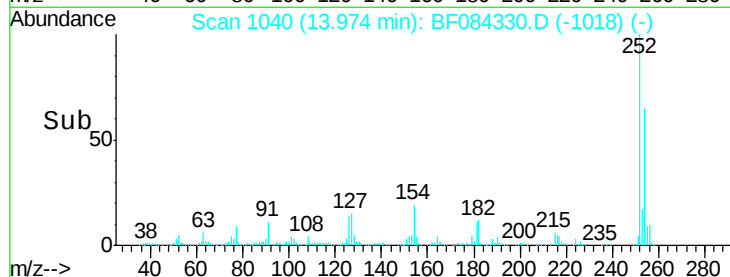
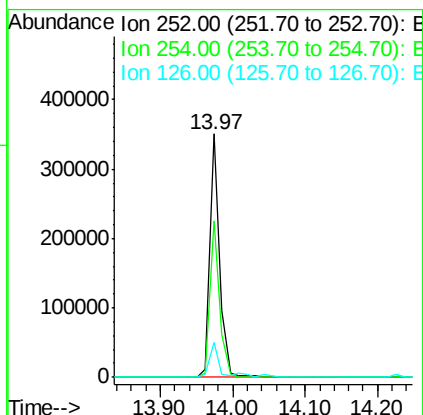
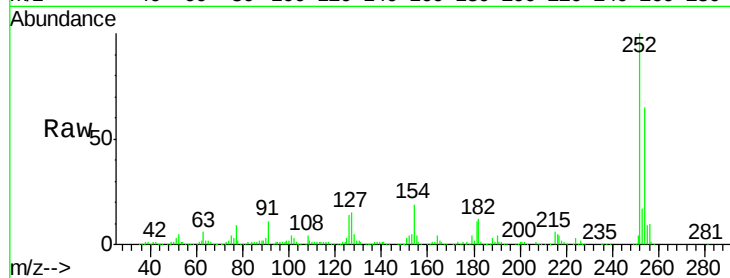




#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.06 ng  
 RT: 13.97 min Scan# 1040  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

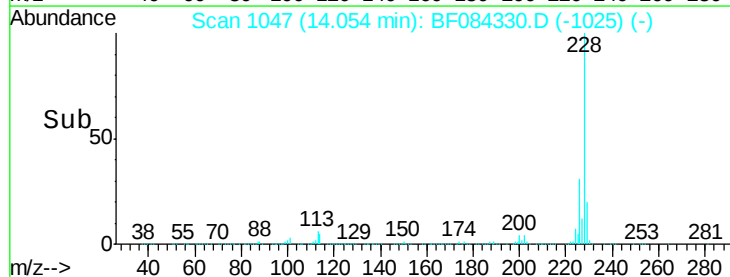
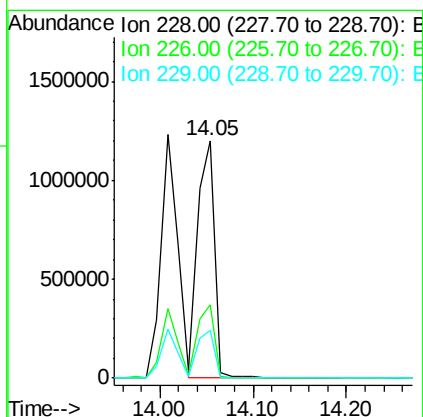
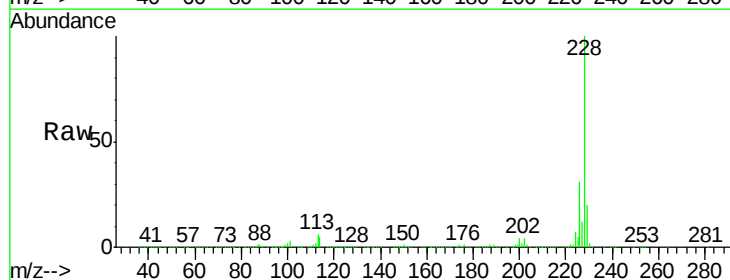
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

Tgt Ion: 252 Resp: 326362  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 53.5 80.3  
 126 14.3 4.9 7.3#



#82  
 Chrysene  
 Concen: 40.76 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.05 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion: 228 Resp: 1522205  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 24.3 36.5  
 229 20.3 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.47 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

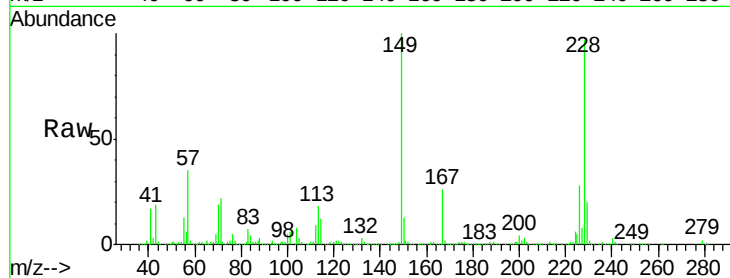
Tgt Ion:149 Resp: 1120617

Ion Ratio Lower Upper

149 100

167 25.7 19.7 29.5

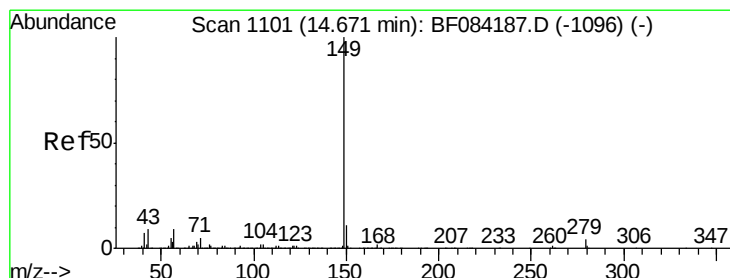
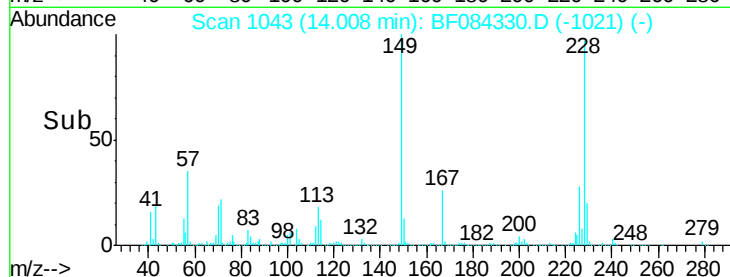
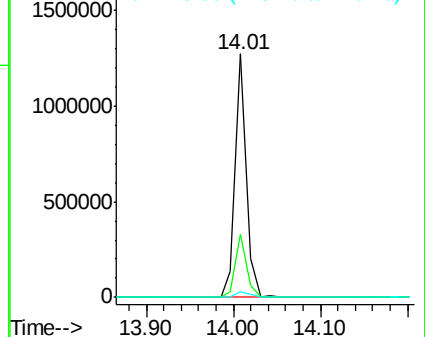
279 2.5 1.8 2.6



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: 41.89 ng

RT: 14.63 min Scan# 1097

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

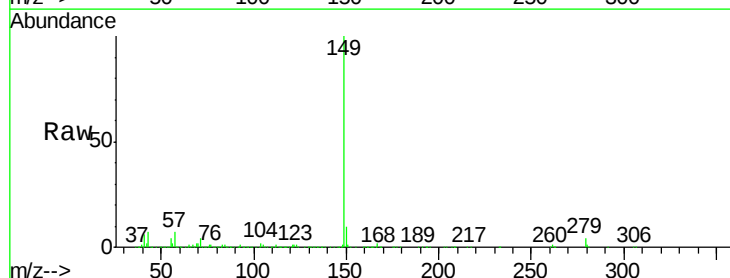
Tgt Ion:149 Resp: 2007944

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

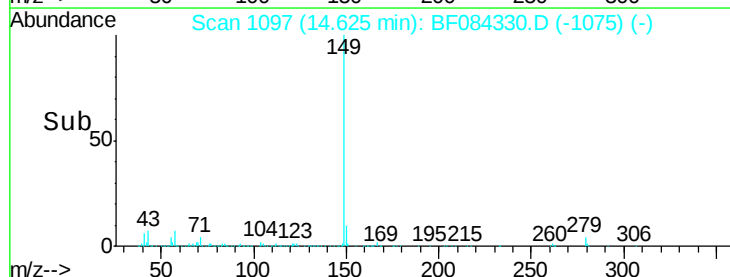
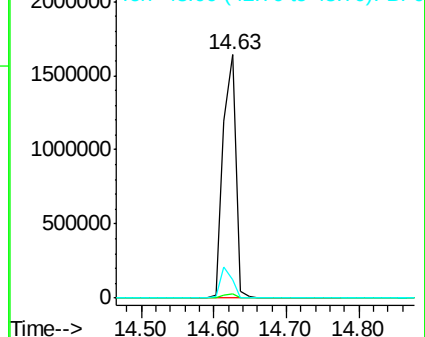
43 11.6 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

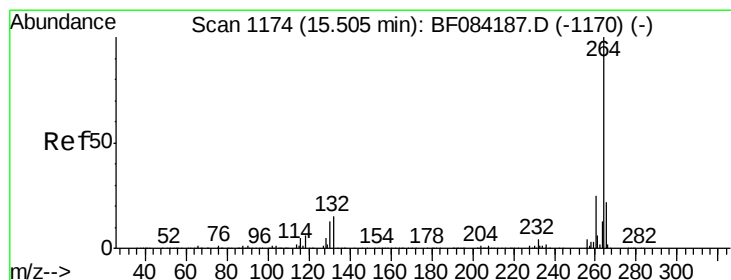
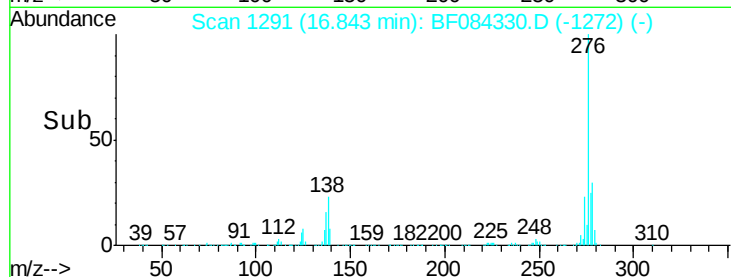
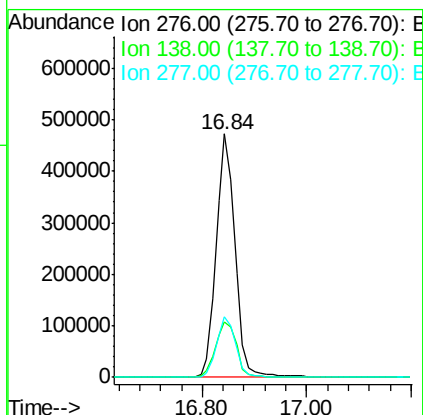
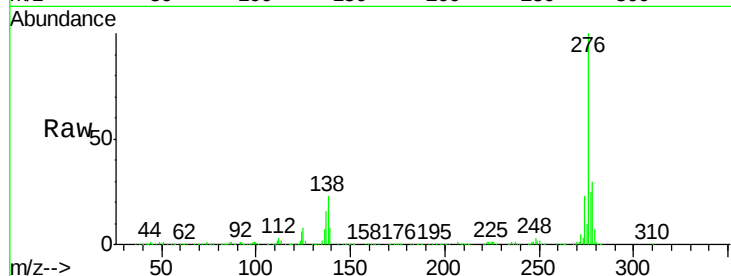




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.18 ng  
 RT: 16.84 min Scan# 1291  
 Delta R.T. -0.08 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

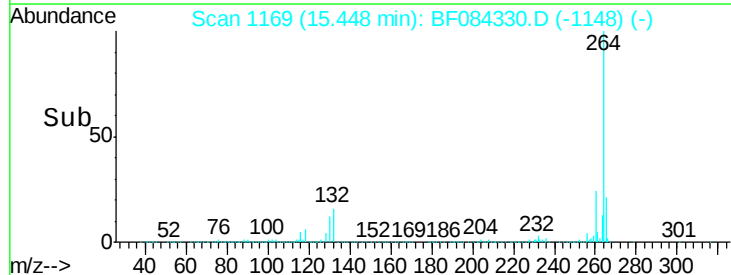
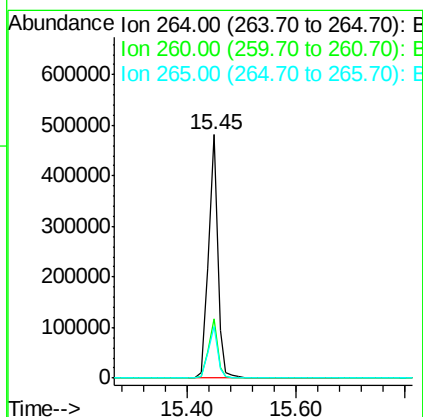
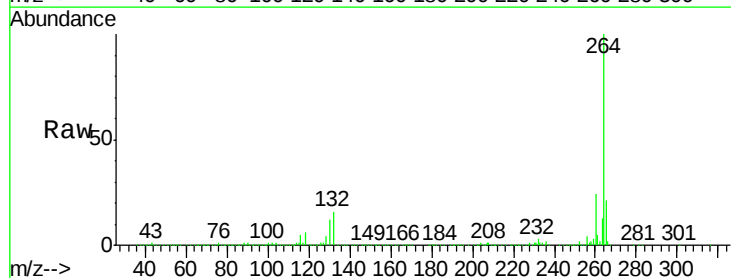
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87668BSD

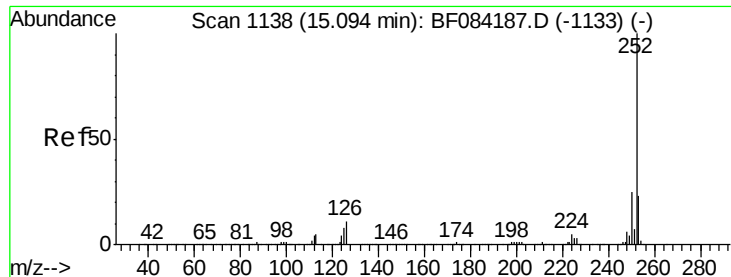
Tgt Ion: 276 Resp: 1189324  
 Ion Ratio Lower Upper  
 276 100  
 138 25.4 20.6 30.8  
 277 25.1 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1169  
 Delta R.T. -0.06 min  
 Lab File: BF084330.D  
 Acq: 8 Jan 2016 16:18

Tgt Ion: 264 Resp: 570559  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 21.4 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 72.77 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

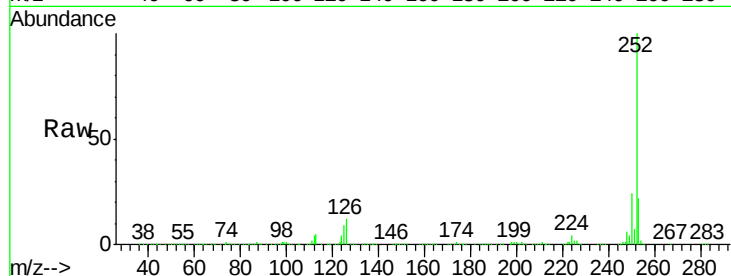
Tgt Ion:252 Resp: 2716009

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

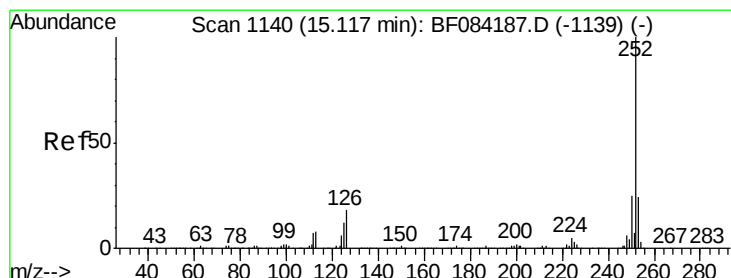
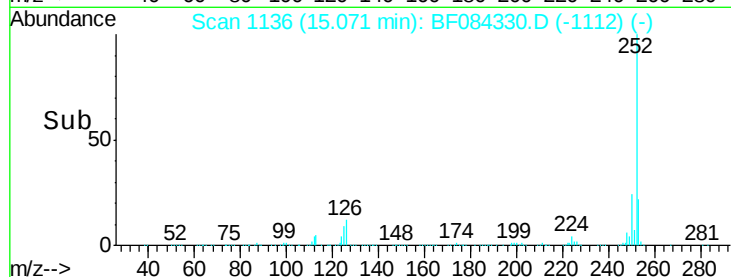
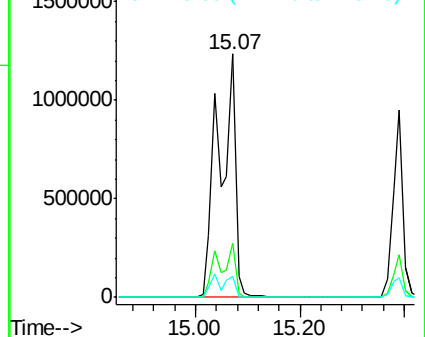
125 8.6 6.5 9.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 89.04 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

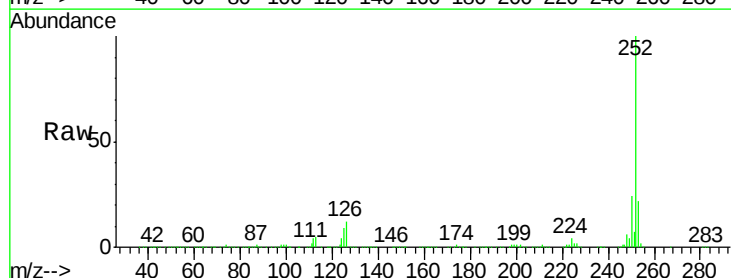
Tgt Ion:252 Resp: 2717927

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

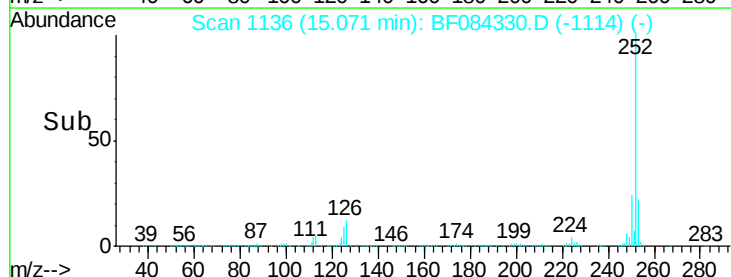
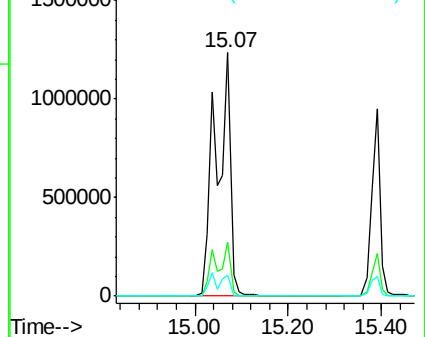
125 8.6 9.0 13.6#

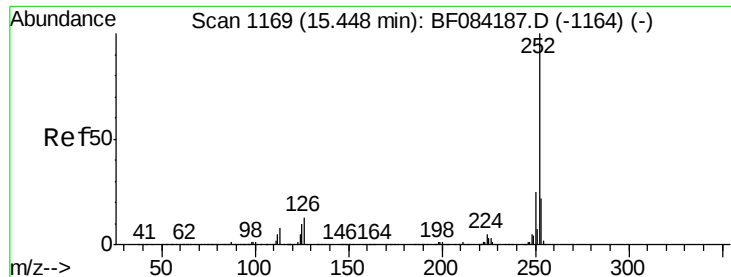


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

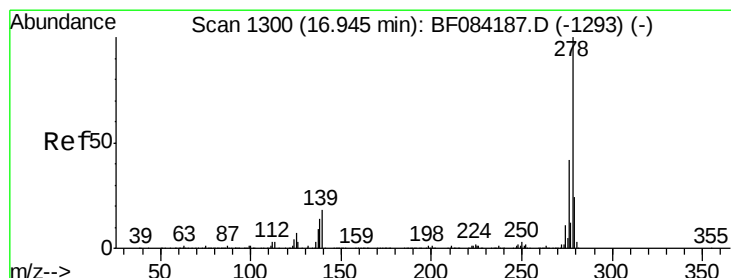
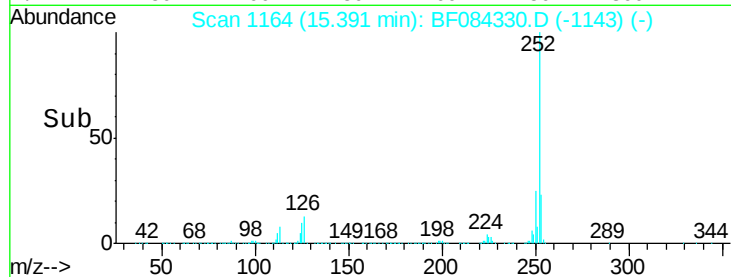
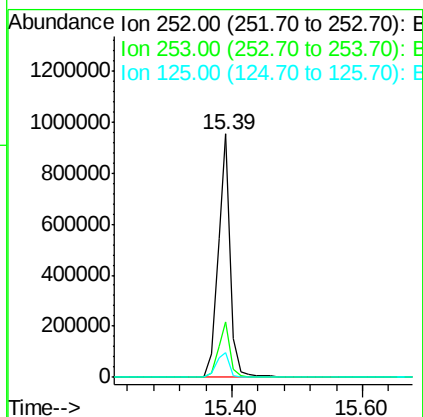
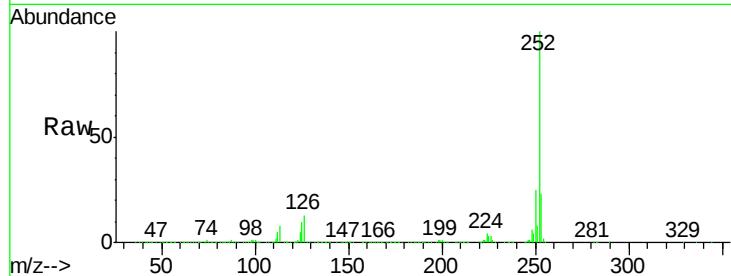




#89  
Benzo(a)pyrene  
Concen: 39.04 ng  
RT: 15.39 min Scan# 1164  
Delta R.T. -0.06 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

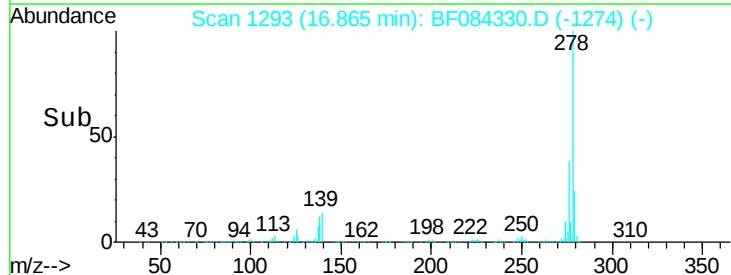
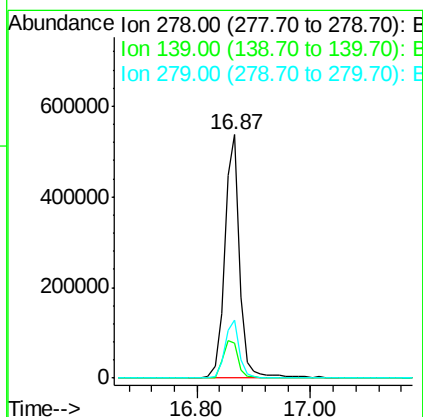
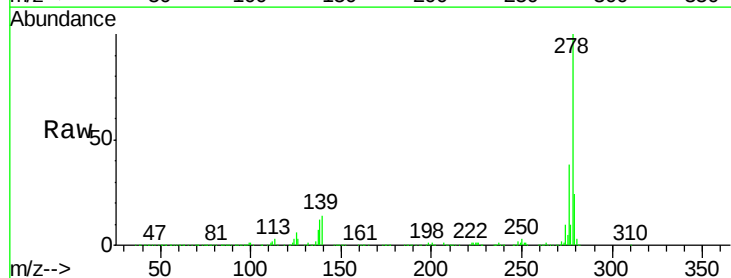
Instrument :  
BNA\_F  
ClientSampleId :  
PB87668BSD

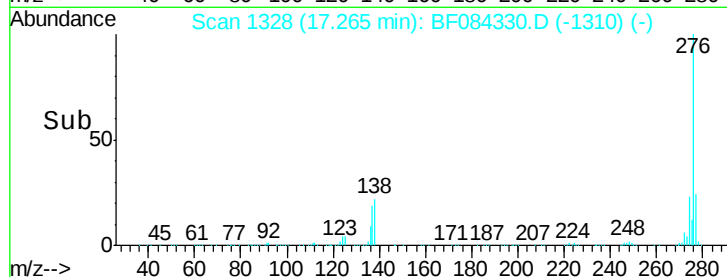
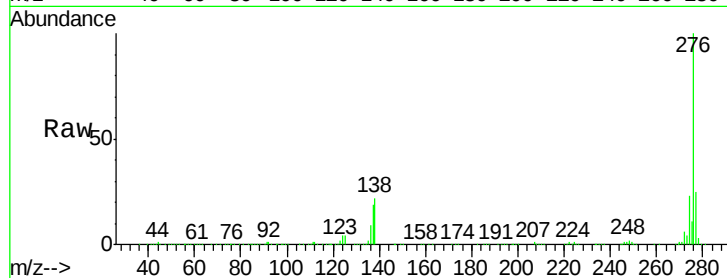
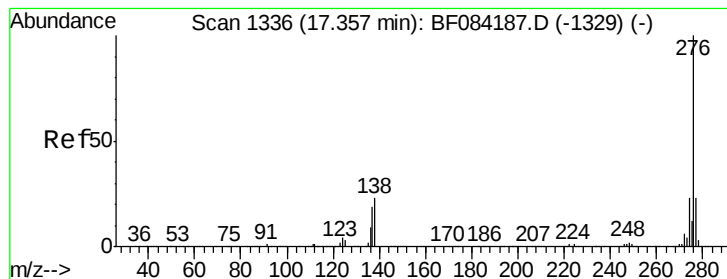
Tgt Ion:252 Resp: 1235775  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.3 25.9  
125 10.2 7.0 10.4



#90  
Dibenzo(a,h)anthracene  
Concen: 36.28 ng  
RT: 16.87 min Scan# 1293  
Delta R.T. -0.08 min  
Lab File: BF084330.D  
Acq: 8 Jan 2016 16:18

Tgt Ion:278 Resp: 988288  
Ion Ratio Lower Upper  
278 100  
139 14.5 15.0 22.4#  
279 24.0 18.9 28.3





#91

Benzo(g,h,i)perylene

Concen: 34.56 ng

RT: 17.27 min Scan# 1328

Delta R.T. -0.09 min

Lab File: BF084330.D

Acq: 8 Jan 2016 16:18

Instrument :

BNA\_F

ClientSampleId :

PB87668BSD

Tgt Ion: 276 Resp: 974918

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 22.2 17.8 26.6

