

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
 Data File : BF084911.D  
 Acq On : 6 Feb 2016 14:58  
 Operator : SJ/IZ  
 Sample : H1325-01MS  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Quant Time: Feb 08 01:21:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 167348   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.95  | 136  | 690070   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.70  | 164  | 303959   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.17 | 188  | 498284   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.80 | 240  | 282733   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.17 | 264  | 318507   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.28  | 112 | 1363876 | 126.94 | ng | 0.00  |
| 7) Phenol-d6             | 6.33  | 99  | 1568380 | 117.75 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.24  | 82  | 1205756 | 98.43  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 405640  | 127.94 | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 9.04  | 172 | 1978259 | 138.61 | ng | -0.02 |
| 78) Terphenyl-d14        | 12.76 | 244 | 1339536 | 107.36 | ng | -0.03 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.34 | 88  | 189164  | 40.20 | ng | # 78   |
| 3) Pyridine                    | 2.97 | 79  | 313116  | 25.54 | ng | # 75   |
| 4) n-Nitrosodimethylamine      | 2.90 | 42  | 289637  | 45.67 | ng | # 83   |
| 6) Aniline                     | 6.34 | 93  | 100447  | 6.16  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.45 | 128 | 569615  | 46.84 | ng | 96     |
| 9) Benzaldehyde                | 6.21 | 77  | 31554   | 4.01  | ng | 81     |
| 10) Phenol                     | 6.34 | 94  | 669854  | 44.89 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 535131  | 45.99 | ng | 84     |
| 12) 1,3-Dichlorobenzene        | 6.68 | 146 | 566866  | 44.12 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146 | 566866  | 44.13 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146 | 463269  | 38.72 | ng | 95     |
| 15) Benzyl Alcohol             | 6.82 | 79  | 394248  | 42.87 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 836561  | 42.74 | ng | 97     |
| 17) 2-Methylphenol             | 6.94 | 107 | 444862  | 46.25 | ng | # 92   |
| 18) Hexachloroethane           | 7.17 | 117 | 215294  | 43.52 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70  | 370477  | 44.37 | ng | # 75   |
| 20) 3+4-Methylphenols          | 7.10 | 107 | 551889  | 46.23 | ng | 91     |
| 22) Acetophenone               | 7.08 | 105 | 785470  | 43.19 | ng | # 98   |
| 24) Nitrobenzene               | 7.25 | 77  | 524789  | 40.01 | ng | 96     |
| 25) Isophorone                 | 7.50 | 82  | 1058992 | 44.46 | ng | # 93   |
| 26) 2-Nitrophenol              | 7.57 | 139 | 308179  | 47.63 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 493214  | 43.83 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 618242  | 43.75 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.82 | 162 | 448378  | 46.57 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 7.89 | 180 | 466329  | 42.88 | ng | 97     |
| 31) Naphthalene                | 7.97 | 128 | 1631286 | 47.13 | ng | 99     |
| 32) Benzoic acid               | 7.78 | 122 | 333212  | 46.29 | ng | 96     |
| 33) 4-Chloroaniline            | 8.03 | 127 | 64614   | 4.51  | ng | 94     |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 265277  | 42.30 | ng | 96     |
| 35) Caprolactam                | 8.42 | 113 | 91048   | 30.68 | ng | # 78   |
| 36) 4-Chloro-3-methylphenol    | 8.53 | 107 | 506462  | 46.11 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 1003508 | 46.32 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 449762  | 46.59 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 312679  | 75.21 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.94  | 196  | 290978   | 46.79  | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.00  | 196  | 310487   | 49.13  | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 1160735  | 42.75  | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 912020   | 45.62  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.25  | 65   | 274369   | 43.34  | ng    | 94       |
| 48) Acenaphthylene             | 9.56  | 152  | 1283452  | 42.30  | ng    | 98       |
| 49) Dimethylphthalate          | 9.45  | 163  | 1141464  | 49.31  | ng    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.50  | 165  | 262316   | 51.87  | ng    | 96       |
| 51) Acenaphthene               | 9.73  | 154  | 858810   | 43.51  | ng    | 97       |
| 52) 3-Nitroaniline             | 9.66  | 138  | 56733    | 9.98   | ng    | # 87     |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 212291   | 90.15  | ng    | # 89     |
| 54) Dibenzofuran               | 9.90  | 168  | 1104545  | 45.78  | ng    | 92       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 236537   | 56.63  | ng    | # 76     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 305558   | 47.37  | ng    | # 83     |
| 57) Fluorene                   | 10.25 | 166  | 910678   | 45.20  | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 248280   | 51.61  | ng    | 93       |
| 59) Diethylphthalate           | 10.13 | 149  | 1034403  | 45.76  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204  | 456008   | 55.59  | ng    | 87       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 193818   | 35.00  | ng    | 83       |
| 62) Azobenzene                 | 10.41 | 77   | 1092364  | 50.25  | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 145682   | 47.37  | ng    | 71       |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 667063   | 42.16  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 270937   | 49.23  | ng    | # 76     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 323380   | 53.93  | ng    | # 92     |
| 68) Atrazine                   | 10.90 | 200  | 190905   | 38.21  | ng    | 97       |
| 69) Pentachlorophenol          | 10.99 | 266  | 270133   | 95.85  | ng    | 98       |
| 70) Phenanthrene               | 11.21 | 178  | 1408303  | 50.96  | ng    | 99       |
| 71) Anthracene                 | 11.25 | 178  | 1287677  | 46.24  | ng    | 99       |
| 72) Carbazole                  | 11.41 | 167  | 970656   | 39.97  | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 1584276  | 51.25  | ng    | # 98     |
| 74) Fluoranthene               | 12.38 | 202  | 1193709  | 42.68  | ng    | 97       |
| 76) Benzidine                  | 12.51 | 184  | 35450    | 9.27   | ng    | 96       |
| 77) Pyrene                     | 12.61 | 202  | 1239566  | 57.26  | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.24 | 149  | 536040   | 54.59  | ng    | 96       |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 919546   | 52.40  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 52430    | 8.44   | ng    | # 100    |
| 82) Chrysene                   | 13.84 | 228  | 893030   | 52.48  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 683250   | 55.91  | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 1177635  | 58.41  | ng    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 863930   | 64.50  | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 14.83 | 252  | 1799045  | 84.07  | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 1799709  | 101.71 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 15.13 | 252  | 875728   | 48.03  | ng    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 734132   | 47.83  | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 16.83 | 276  | 708017   | 45.79  | ng    | 98       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

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S4-B016(17-19)MS

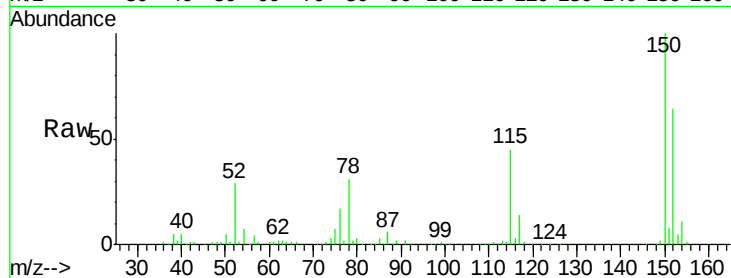
Tgt Ion:152 Resp: 167348

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

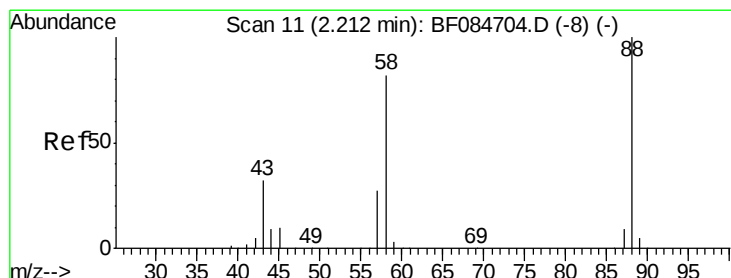
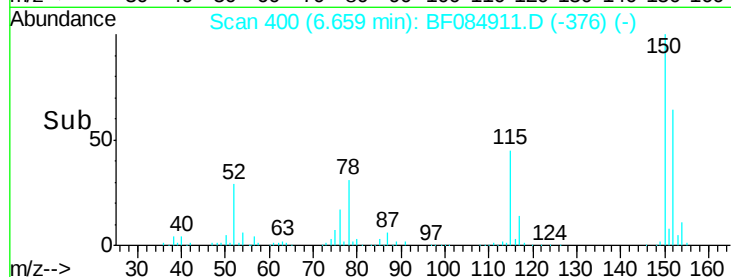
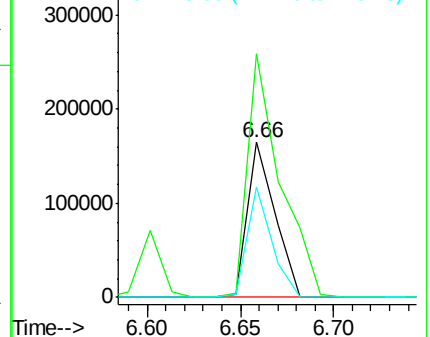
115 71.5 51.4 77.2



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: 40.20 ng

RT: 2.34 min Scan# 22

Delta R.T. 0.16 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

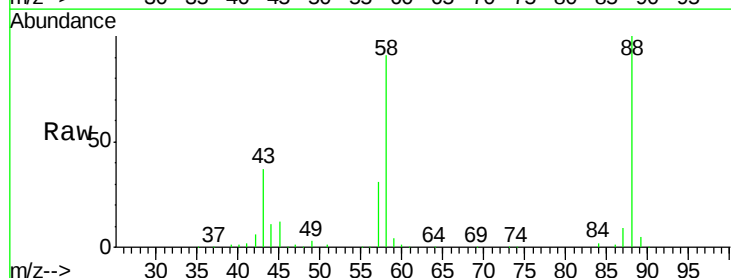
Tgt Ion: 88 Resp: 189164

Ion Ratio Lower Upper

88 100

58 83.1 51.2 76.8#

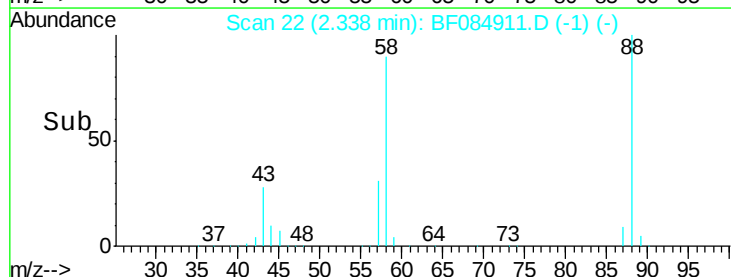
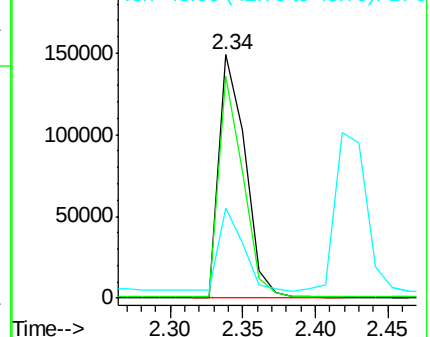
43 31.6 19.5 29.3#

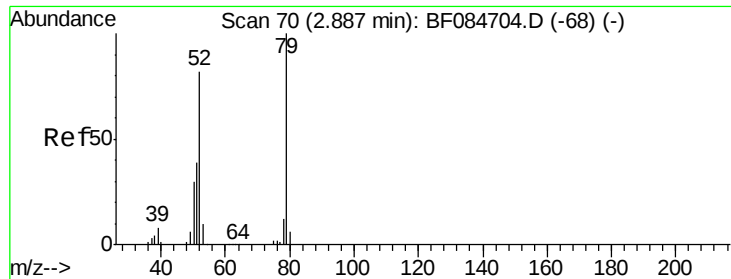


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.54 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.13 min

Lab File: BF084911.D

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Instrument :

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ClientSampleId :

S4-B016(17-19)MS

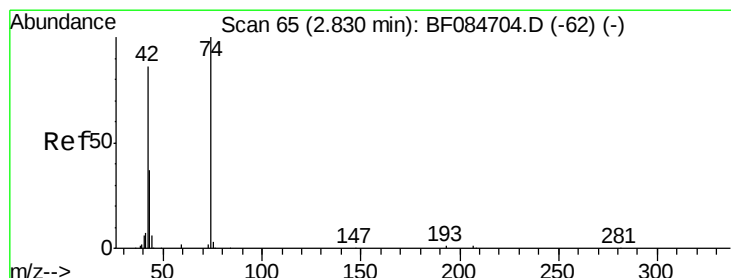
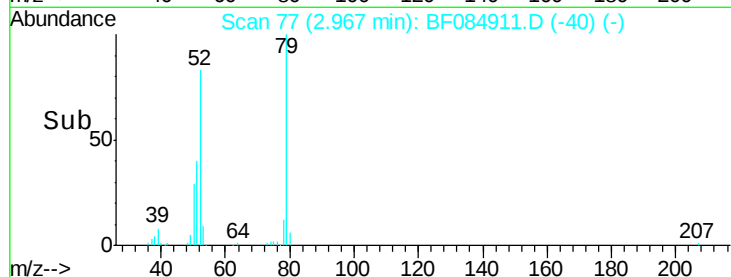
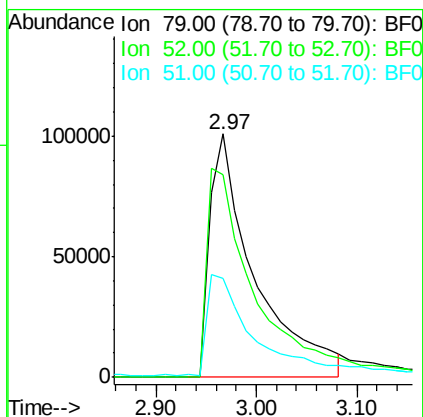
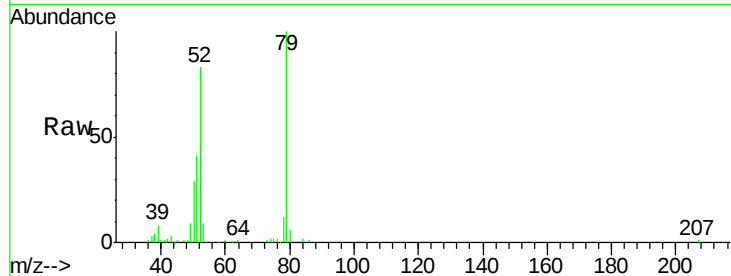
Tgt Ion: 79 Resp: 313116

Ion Ratio Lower Upper

79 100

52 83.1 49.0 73.4#

51 40.8 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 45.67 ng

RT: 2.90 min Scan# 71

Delta R.T. 0.10 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

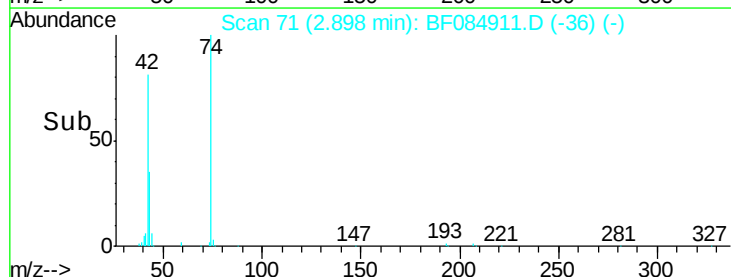
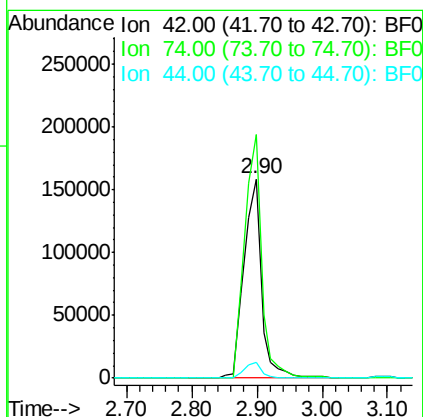
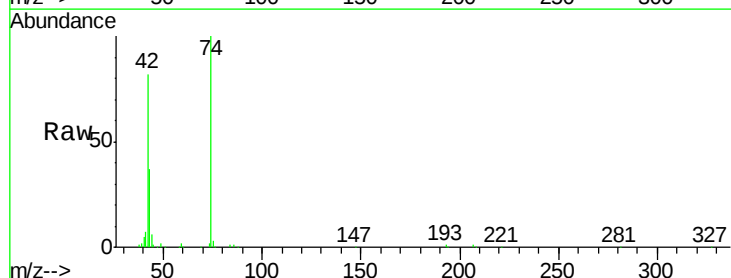
Tgt Ion: 42 Resp: 289637

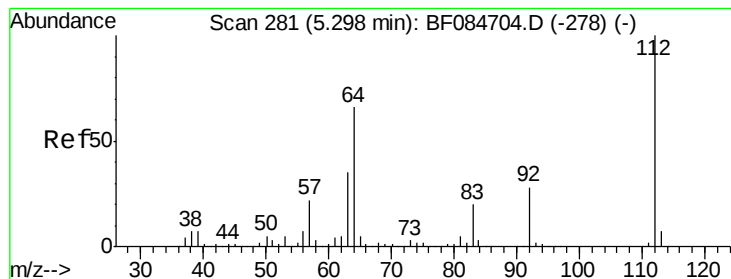
Ion Ratio Lower Upper

42 100

74 122.4 115.7 173.5

44 7.8 5.1 7.7#





#5

2-Fluorophenol

Concen: 126.94 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.00 min

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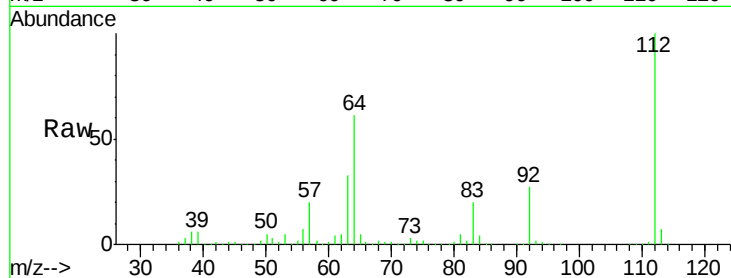
Tgt Ion: 112 Resp: 1363876

Ion Ratio Lower Upper

112 100

64 61.5 36.6 55.0#

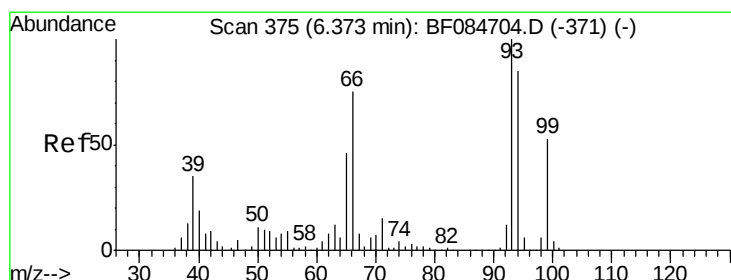
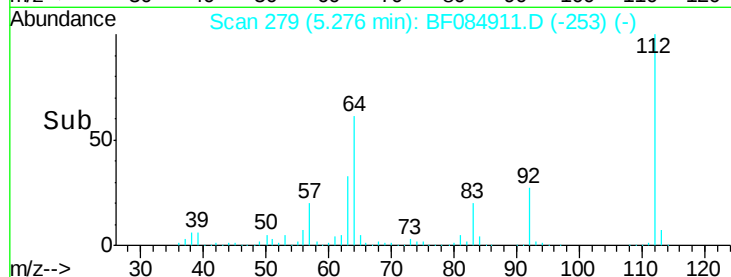
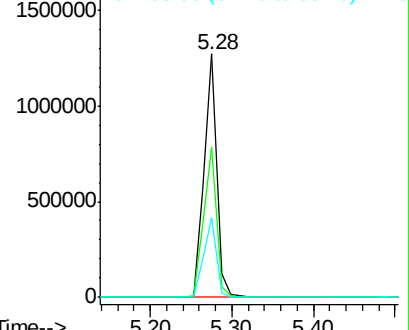
63 32.7 19.4 29.0#



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: 6.16 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

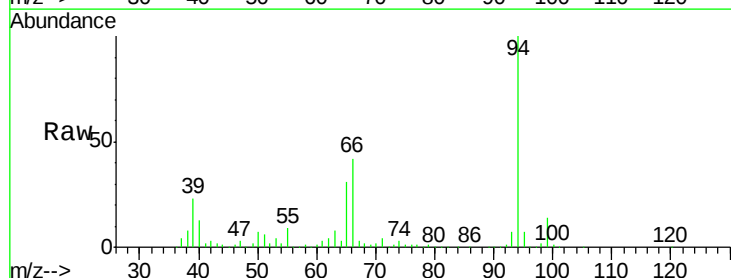
Tgt Ion: 93 Resp: 100447

Ion Ratio Lower Upper

93 100

66 578.1 44.9 67.3#

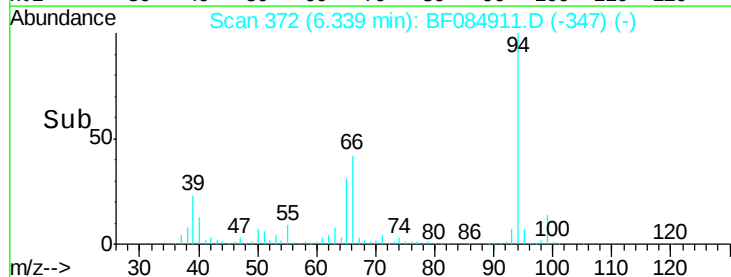
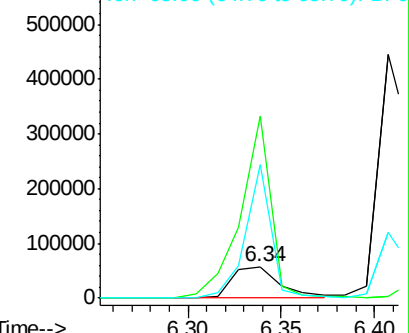
65 423.5 23.7 35.5#



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: 117.75 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

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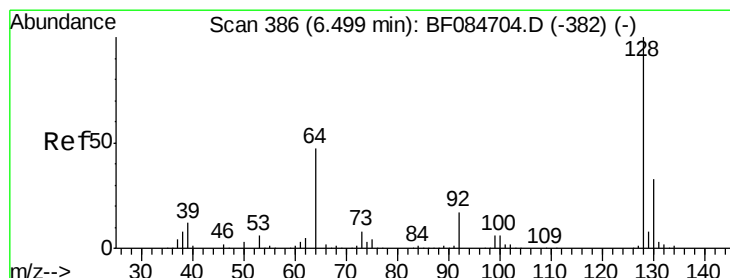
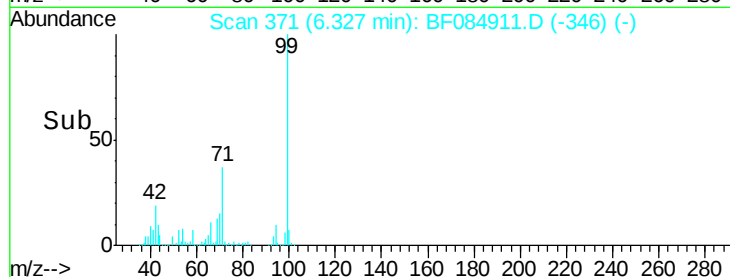
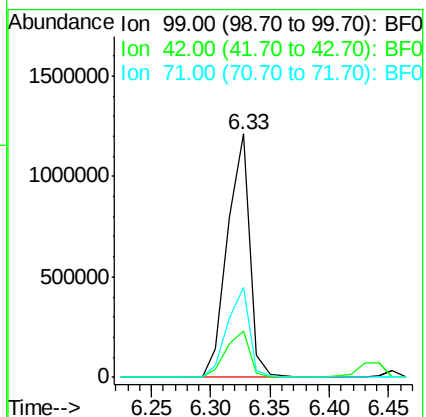
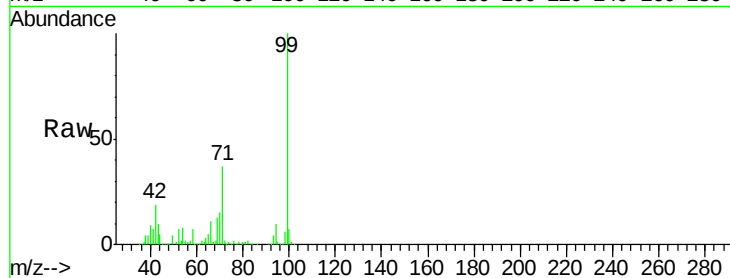
Tgt Ion: 99 Resp: 1568380

Ion Ratio Lower Upper

99 100

42 19.2 12.8 19.2

71 36.7 30.9 46.3



#8

2-Chlorophenol

Concen: 46.84 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

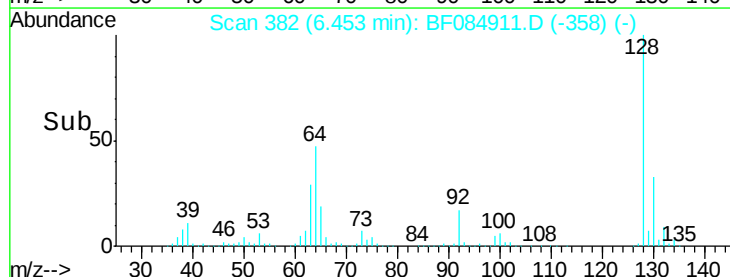
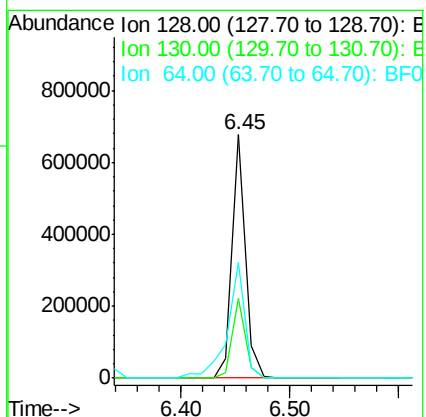
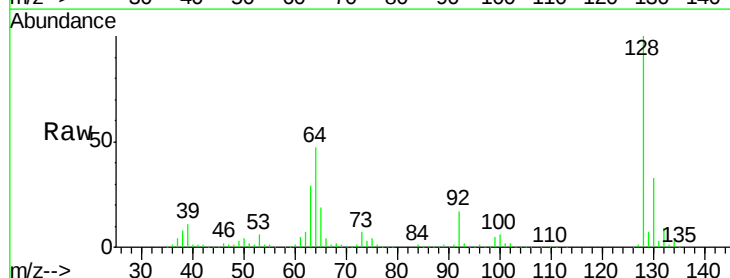
Tgt Ion: 128 Resp: 569615

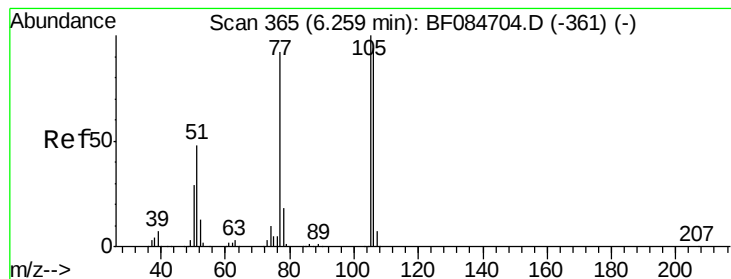
Ion Ratio Lower Upper

128 100

130 32.7 11.6 51.6

64 47.3 23.8 63.8





#9

Benzaldehyde

Concen: 4.01 ng

RT: 6.21 min Scan# 361

Delta R.T. -0.02 min

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Instrument :

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S4-B016(17-19)MS

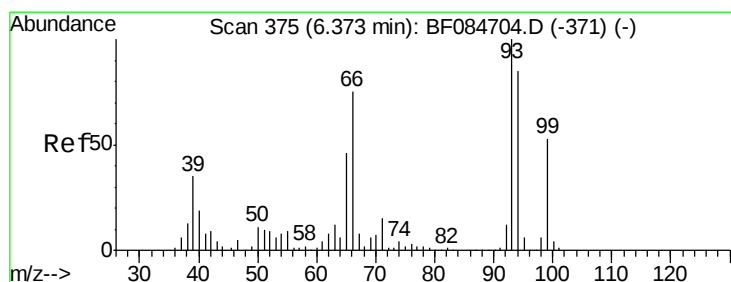
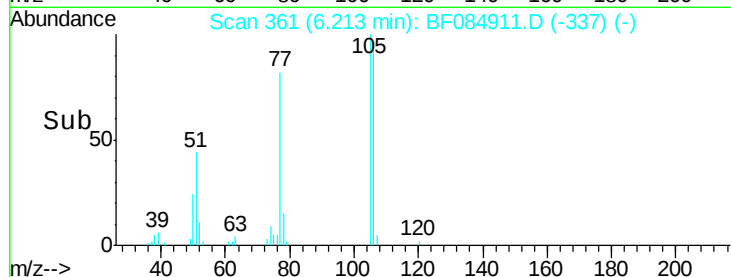
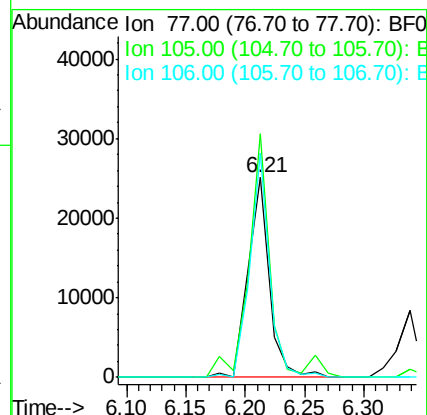
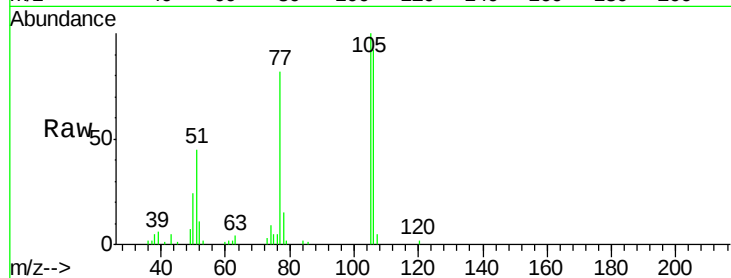
Tgt Ion: 77 Resp: 31554

Ion Ratio Lower Upper

77 100

105 121.9 83.0 123.0

106 112.4 74.6 114.6



#10

Phenol

Concen: 44.89 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

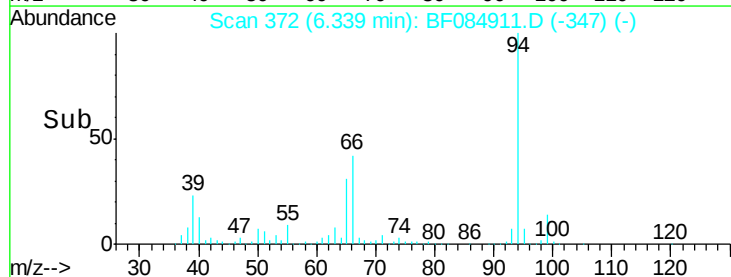
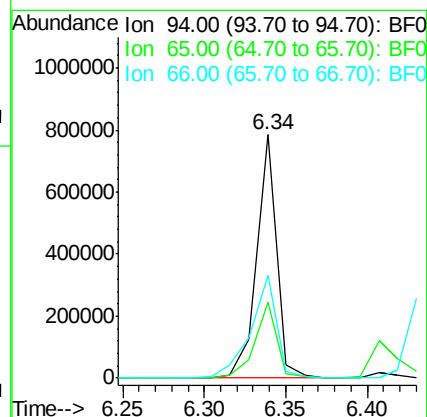
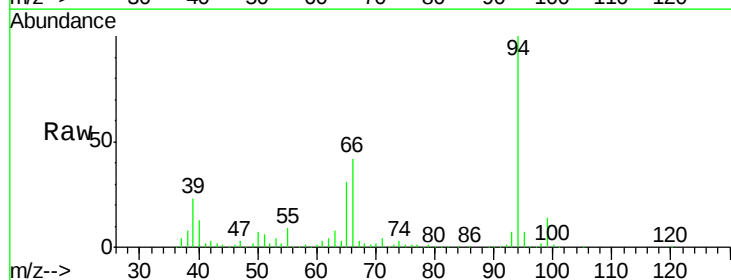
Tgt Ion: 94 Resp: 669854

Ion Ratio Lower Upper

94 100

65 31.0 12.9 52.9

66 42.3 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 45.99 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

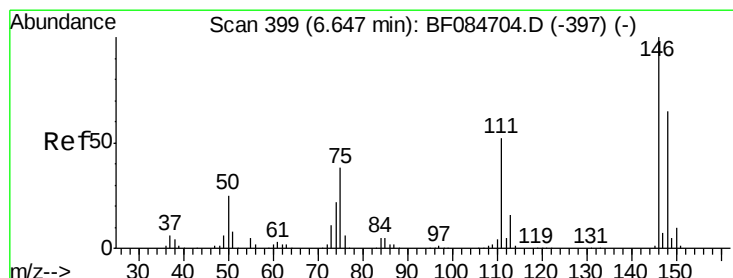
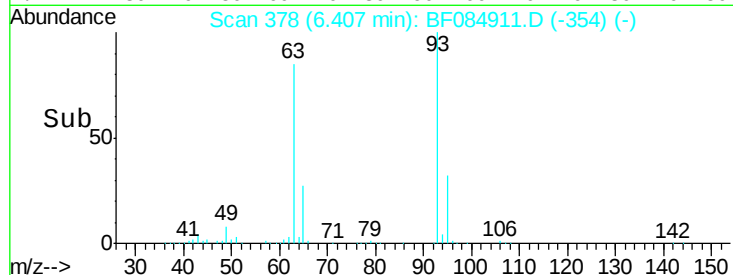
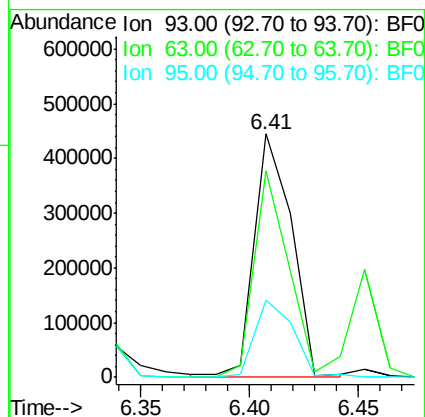
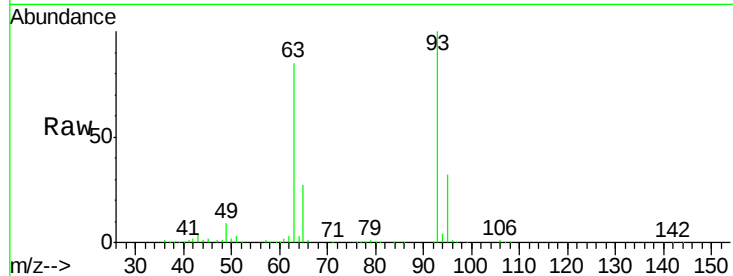
Tgt Ion: 93 Resp: 535131

Ion Ratio Lower Upper

93 100

63 85.0 45.9 85.9

95 31.6 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 44.12 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.06 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

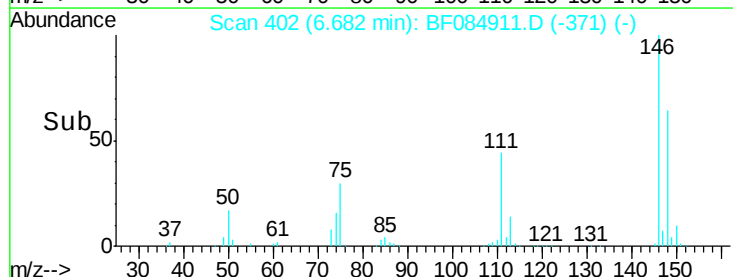
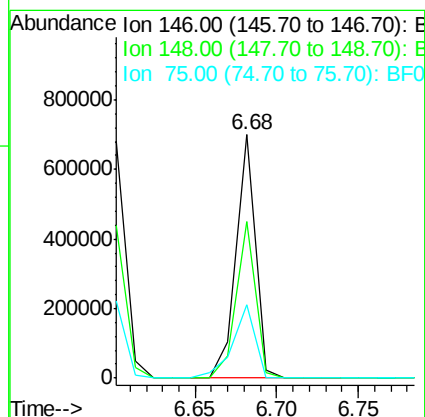
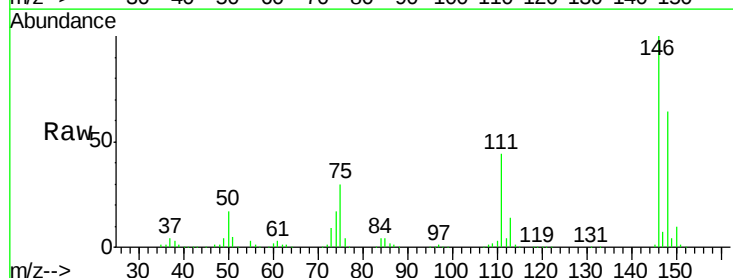
Tgt Ion: 146 Resp: 566866

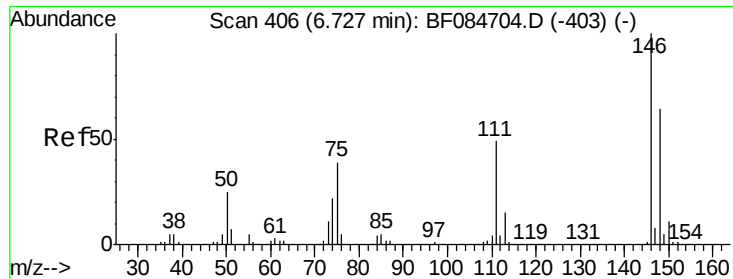
Ion Ratio Lower Upper

146 100

148 64.4 51.9 77.9

75 30.4 20.5 30.7

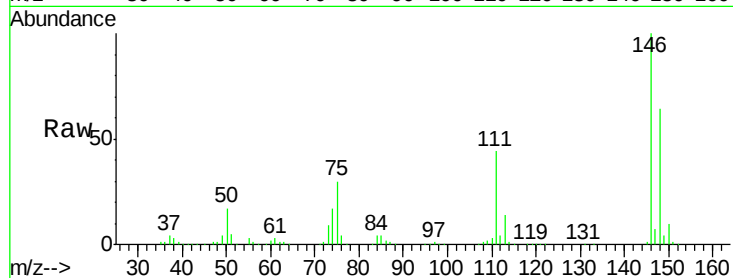




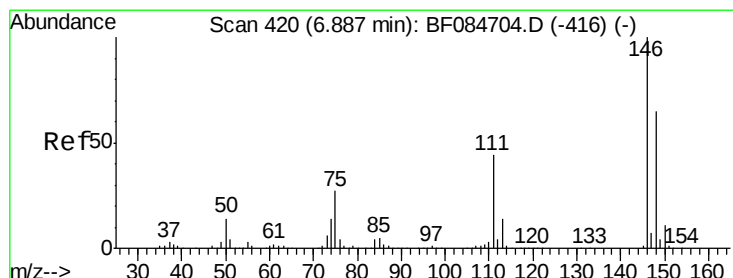
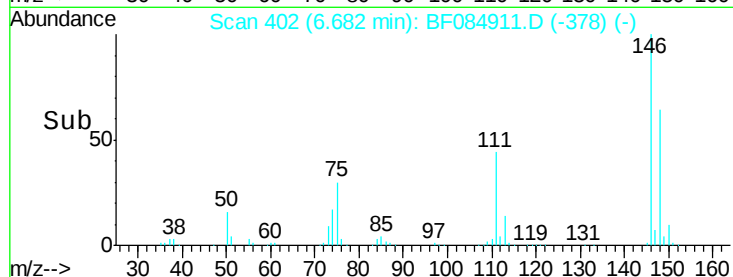
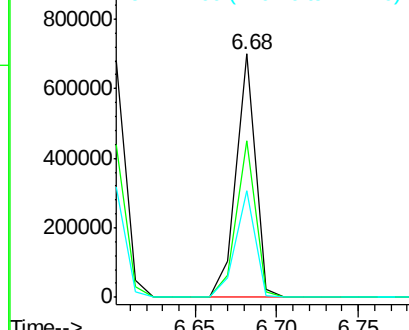
#13  
 1,4-Dichlorobenzene  
 Concen: 44.13 ng  
 RT: 6.68 min Scan# 402  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion:146 Resp: 566866  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 51.9 77.9  
 111 43.6 41.6 62.4

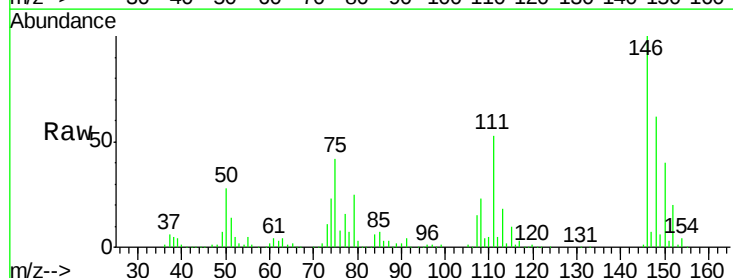


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

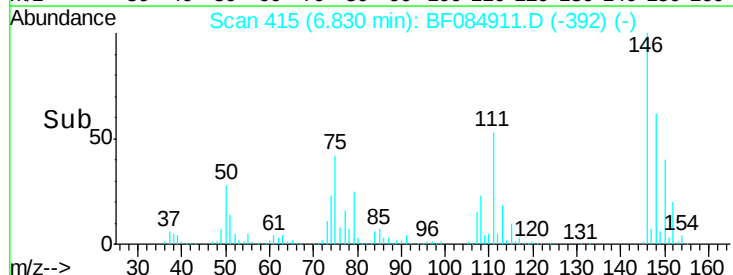
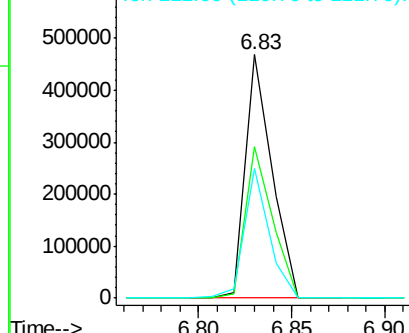


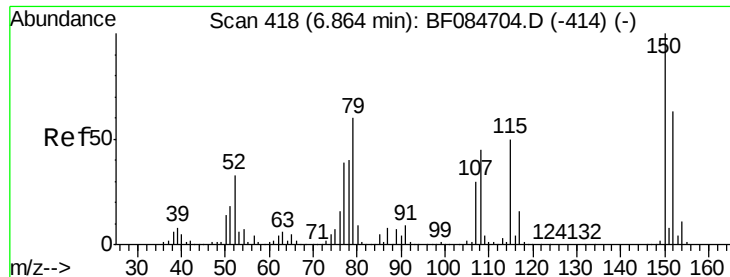
#14  
 1,2-Dichlorobenzene  
 Concen: 38.72 ng  
 RT: 6.83 min Scan# 415  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:146 Resp: 463269  
 Ion Ratio Lower Upper  
 146 100  
 148 62.3 51.6 77.4  
 111 53.5 38.0 57.0



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

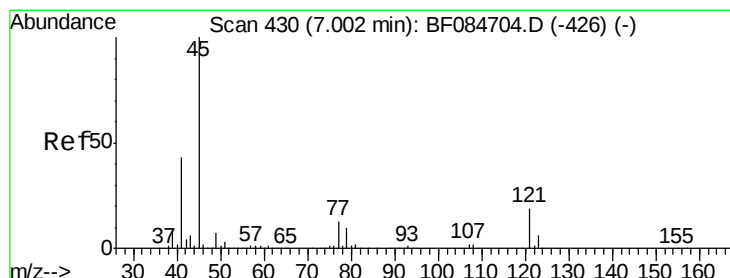
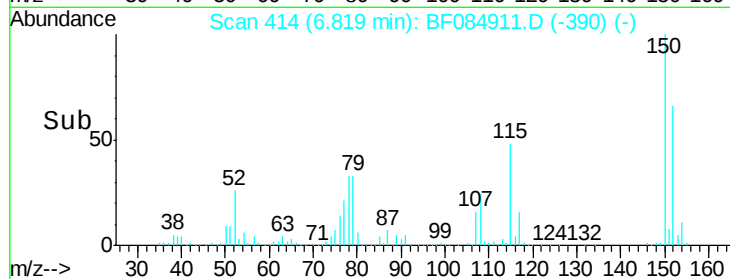
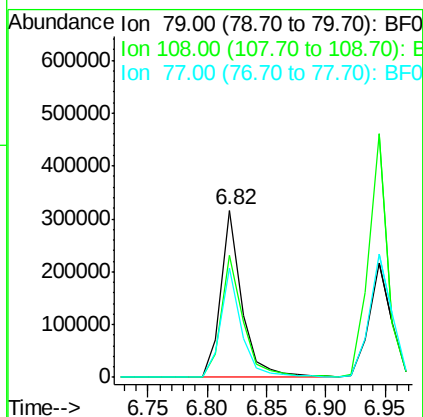
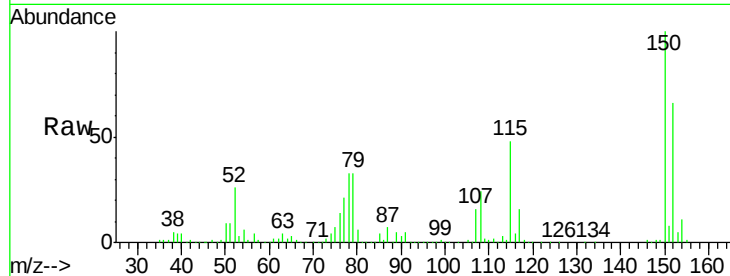




#15  
Benzyl Alcohol  
Concen: 42.87 ng  
RT: 6.82 min Scan# 414  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

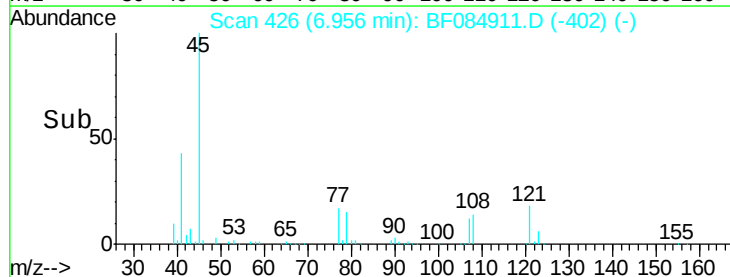
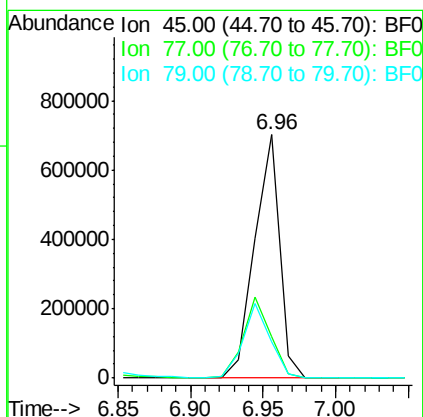
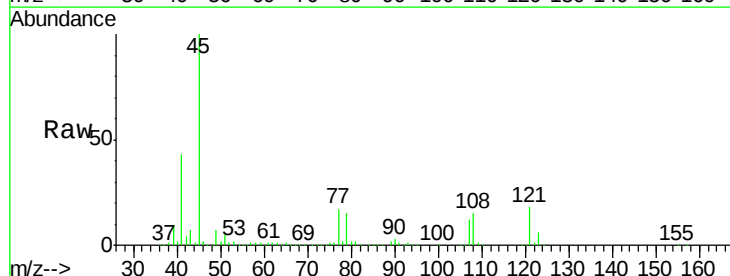
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

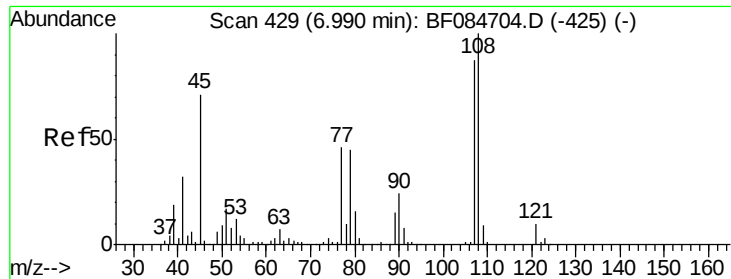
Tgt Ion: 79 Resp: 394248  
Ion Ratio Lower Upper  
79 100  
108 73.0 69.0 103.4  
77 65.3 50.0 75.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.74 ng  
RT: 6.96 min Scan# 426  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion: 45 Resp: 836561  
Ion Ratio Lower Upper  
45 100  
77 17.2 0.0 39.6  
79 14.9 0.0 35.0

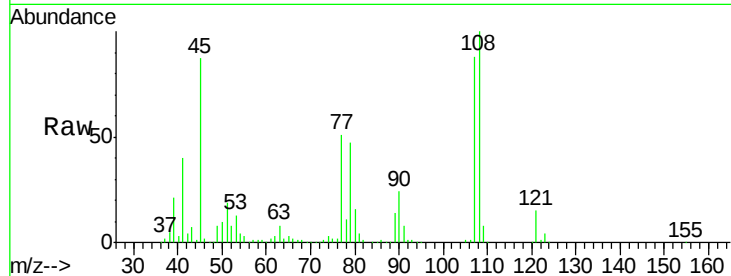




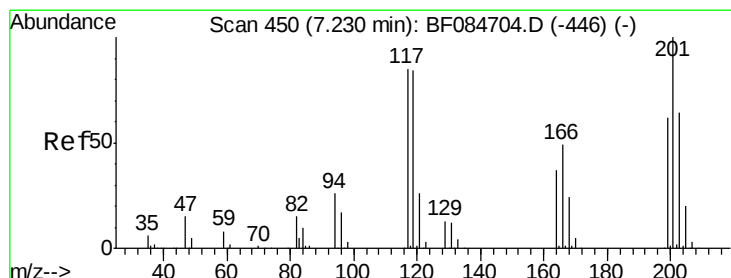
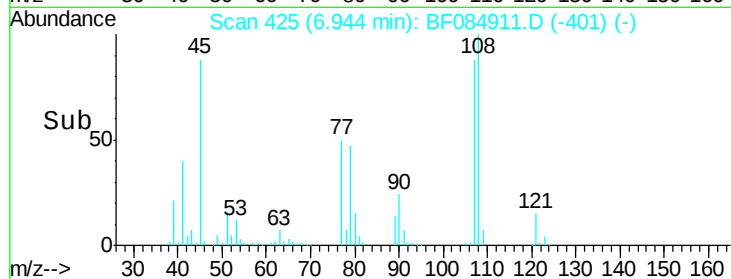
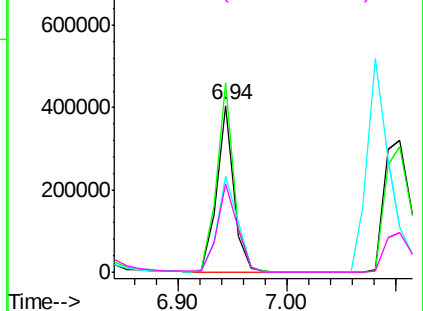
#17  
2-Methylphenol  
Concen: 46.25 ng  
RT: 6.94 min Scan# 425  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion:107 Resp: 444862  
Ion Ratio Lower Upper  
107 100  
108 113.6 89.8 134.6  
77 57.7 35.7 53.5#  
79 53.1 35.7 53.5

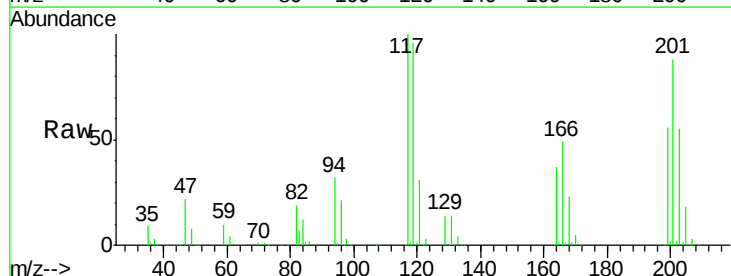


Abundance Ion 107.00 (106.70 to 107.70): E  
800000 Ion 108.00 (107.70 to 108.70): E  
600000 Ion 77.00 (76.70 to 77.70): BF0  
400000 Ion 79.00 (78.70 to 79.70): BF0  
200000  
0

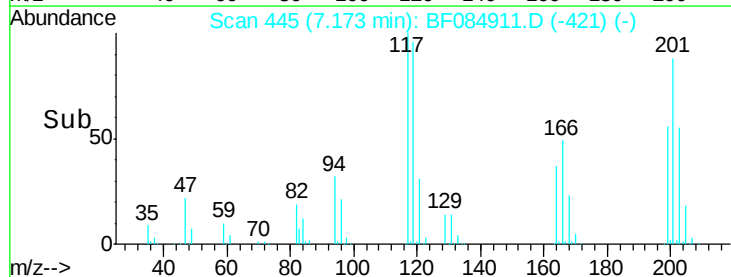
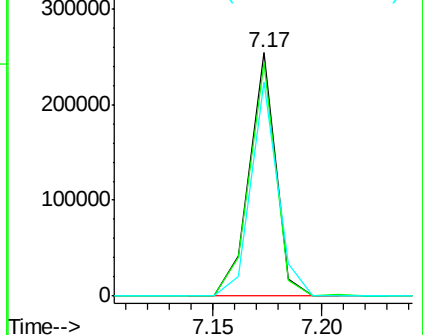


#18  
Hexachloroethane  
Concen: 43.52 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:117 Resp: 215294  
Ion Ratio Lower Upper  
117 100  
119 95.8 77.4 116.0  
201 88.1 68.6 103.0



Abundance Ion 117.00 (116.70 to 117.70): E  
300000 Ion 119.00 (118.70 to 119.70): E  
200000 Ion 201.00 (200.70 to 201.70): E  
100000  
0

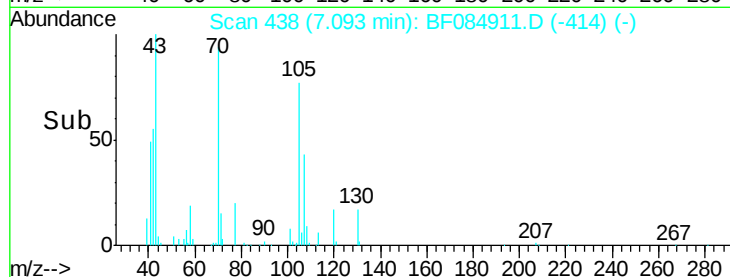
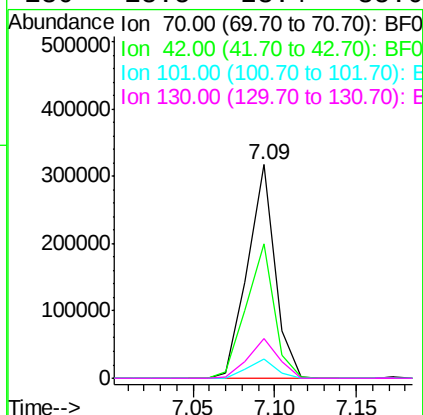
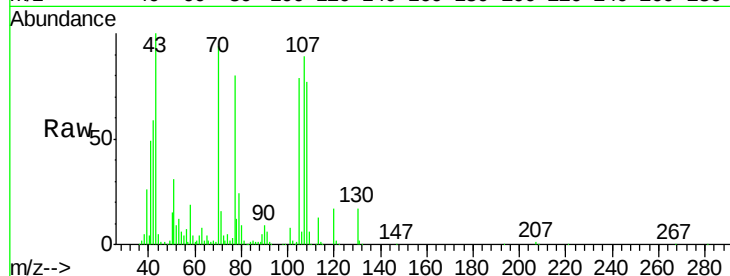




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.37 ng  
RT: 7.09 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

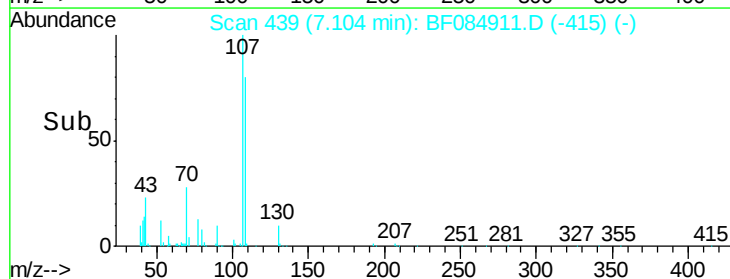
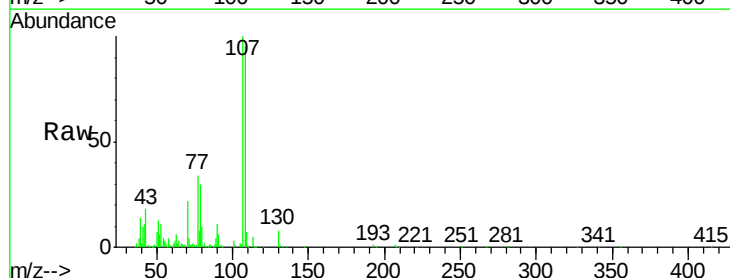
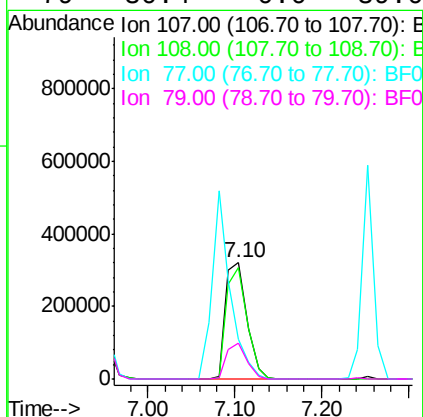
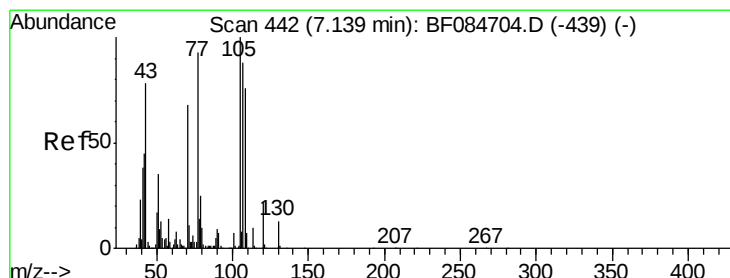
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion: 70 Resp: 370477  
Ion Ratio Lower Upper  
70 100  
42 62.8 33.3 49.9#  
101 8.9 9.3 13.9#  
130 18.5 23.4 35.0#



#20  
3+4-Methylphenols  
Concen: 46.23 ng  
RT: 7.10 min Scan# 439  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion: 107 Resp: 551889  
Ion Ratio Lower Upper  
107 100  
108 95.5 74.6 114.6  
77 33.7 0.7 40.7  
79 30.4 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tgt Ion:136 Resp: 690070

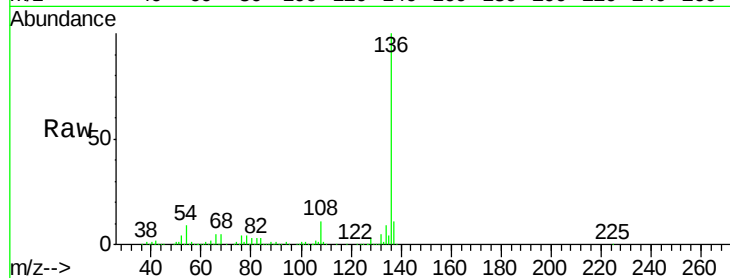
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.5 5.8 8.8

68 4.6 4.2 6.2

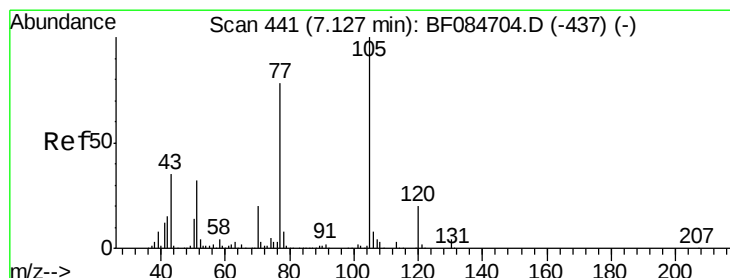
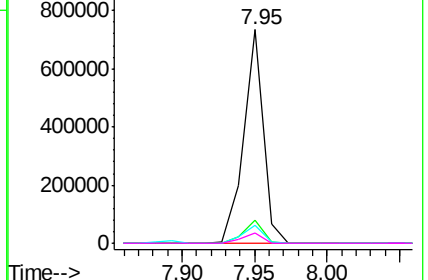
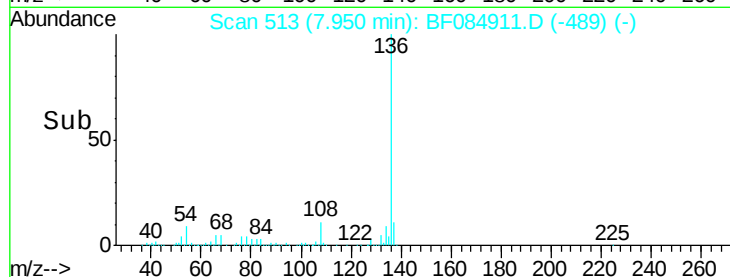


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.19 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Tgt Ion:105 Resp: 785470

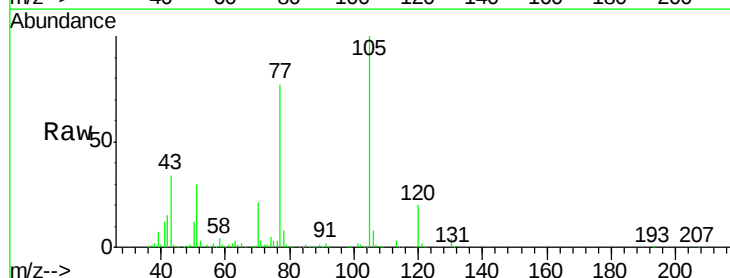
Ion Ratio Lower Upper

105 100

71 3.5 3.7 5.5#

51 29.9 25.1 37.7

120 20.3 16.6 25.0

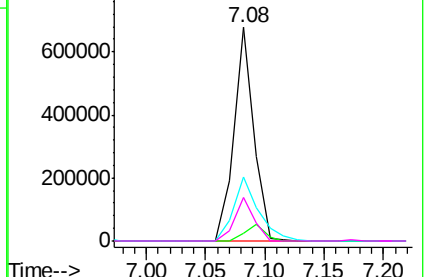
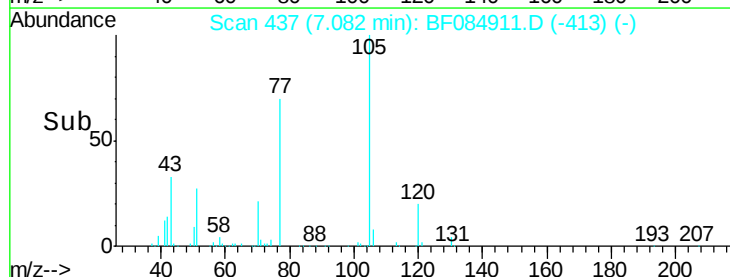


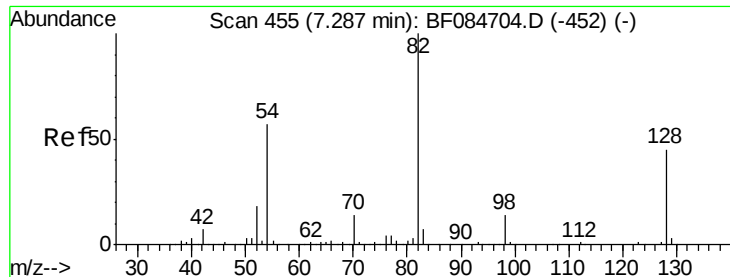
Abundance Ion 105.00 (104.70 to 105.70): E

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

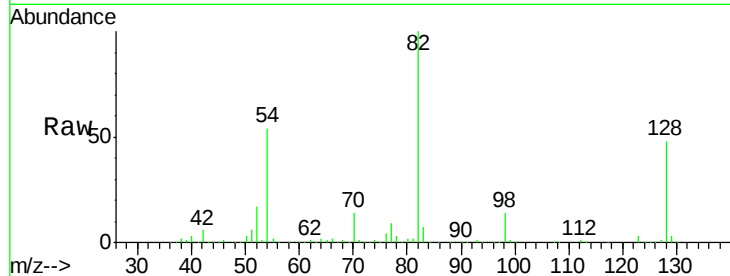




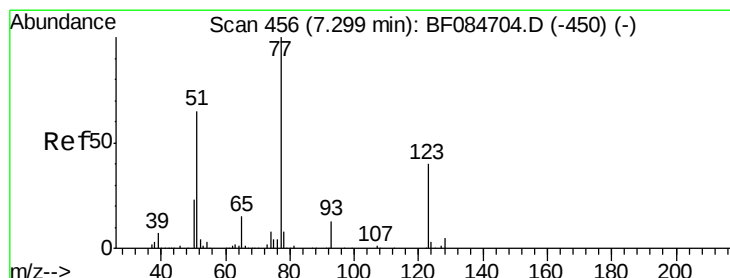
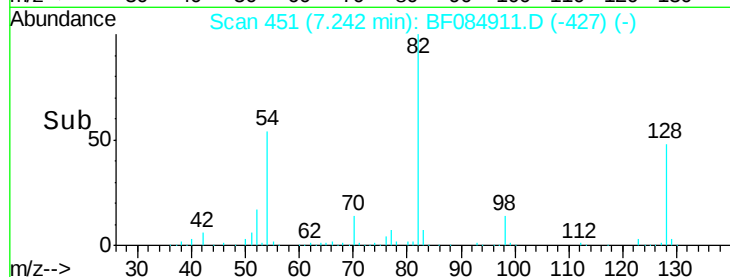
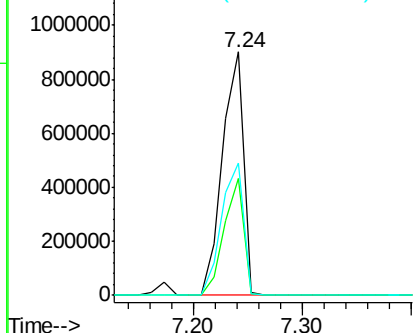
#23  
 Nitrobenzene-d5  
 Concen: 98.43 ng  
 RT: 7.24 min Scan# 451  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion: 82 Resp: 1205756  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 34.6 51.8  
 54 54.3 38.4 57.6

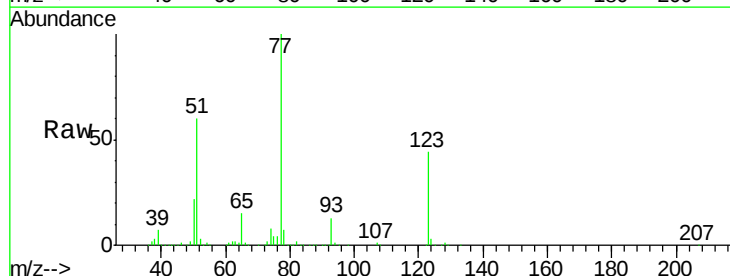


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

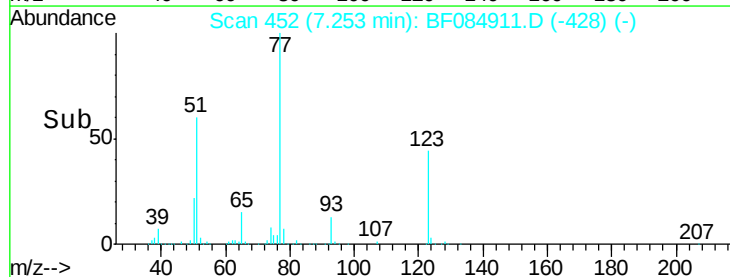
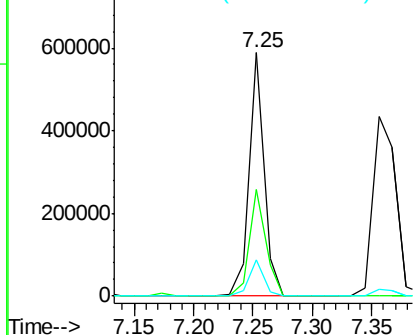


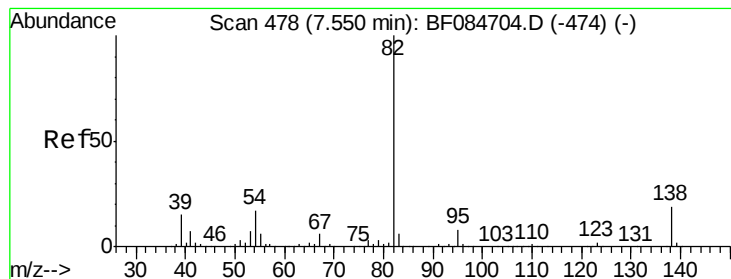
#24  
 Nitrobenzene  
 Concen: 40.01 ng  
 RT: 7.25 min Scan# 452  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion: 77 Resp: 524789  
 Ion Ratio Lower Upper  
 77 100  
 123 44.0 37.4 56.2  
 65 14.8 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 44.46 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

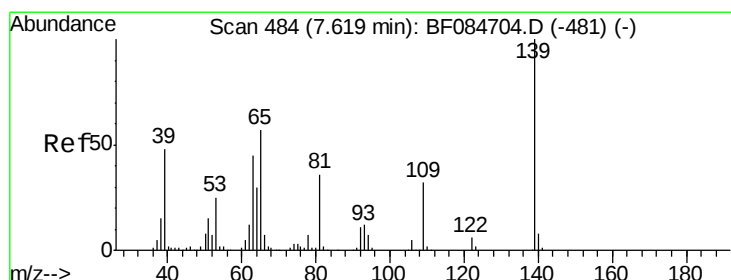
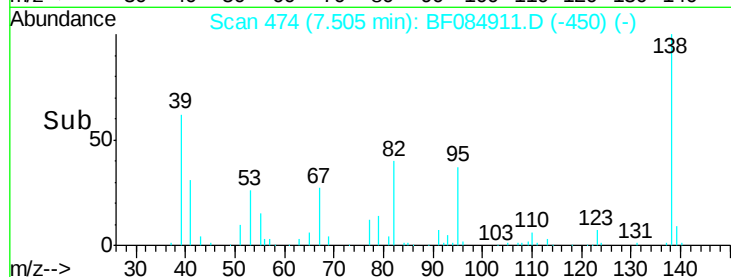
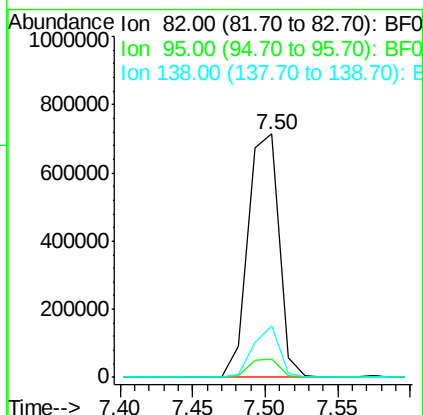
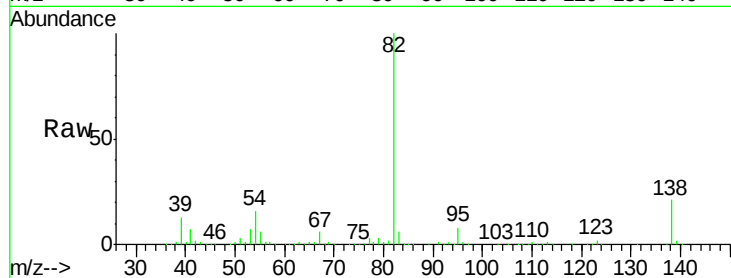
Tgt Ion: 82 Resp: 1058992

Ion Ratio Lower Upper

82 100

95 7.7 6.6 10.0

138 21.0 13.6 20.4#



#26

2-Nitrophenol

Concen: 47.63 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

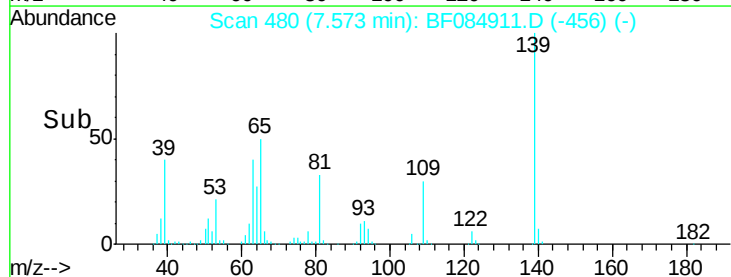
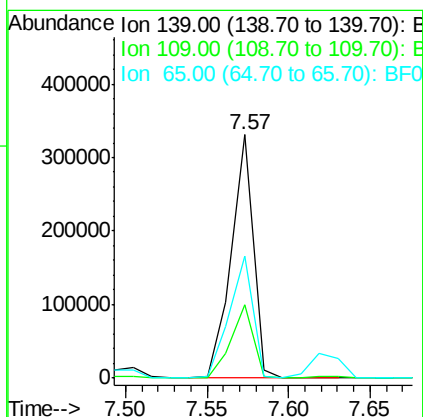
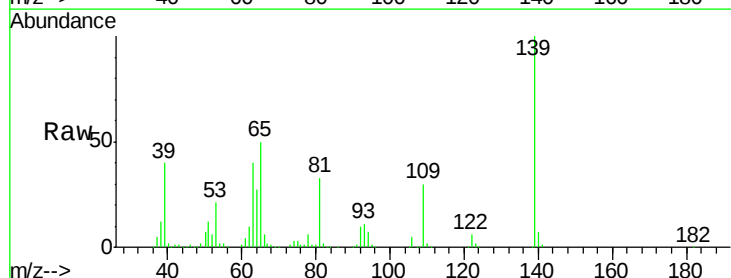
Tgt Ion: 139 Resp: 308179

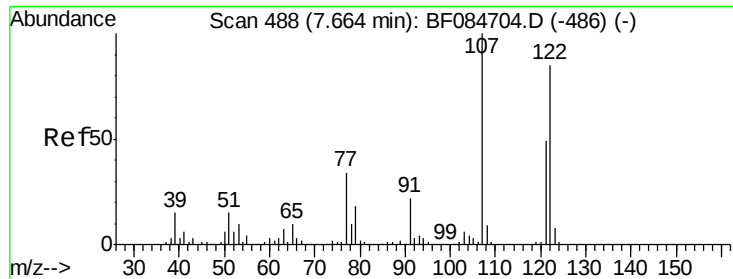
Ion Ratio Lower Upper

139 100

109 30.1 25.4 38.2

65 49.9 32.3 48.5#

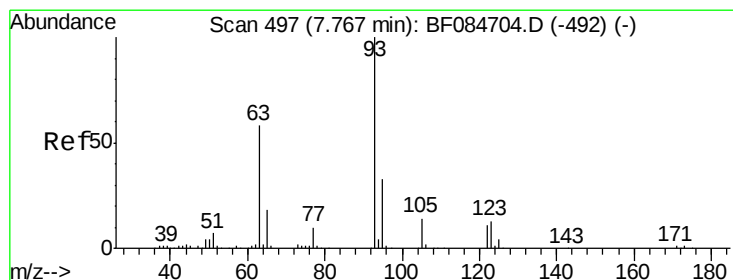
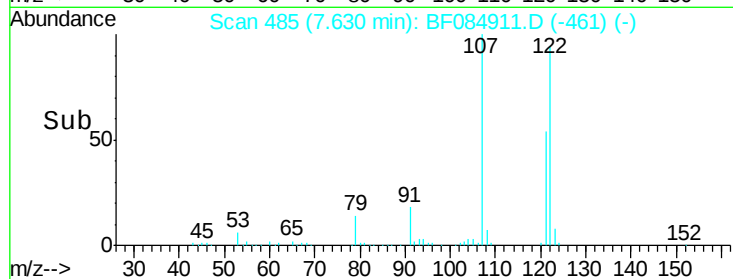
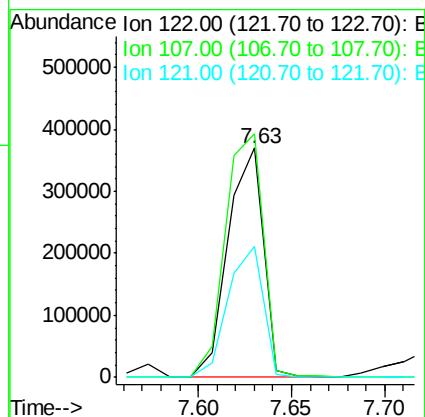
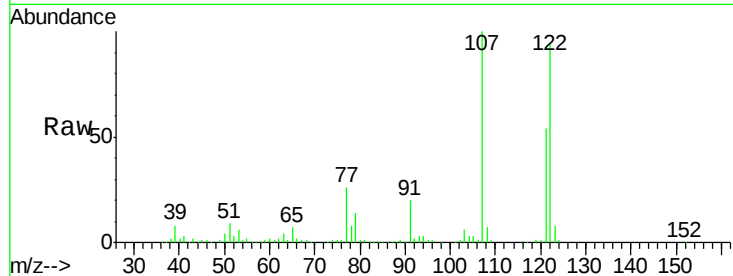




#27  
 2,4-Dimethylphenol  
 Concen: 43.83 ng  
 RT: 7.63 min Scan# 485  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

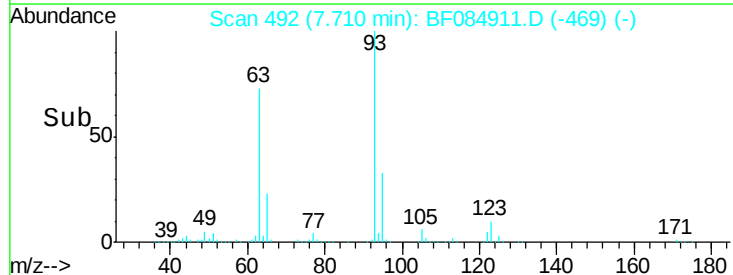
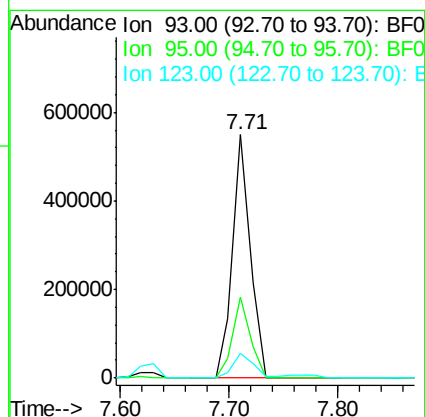
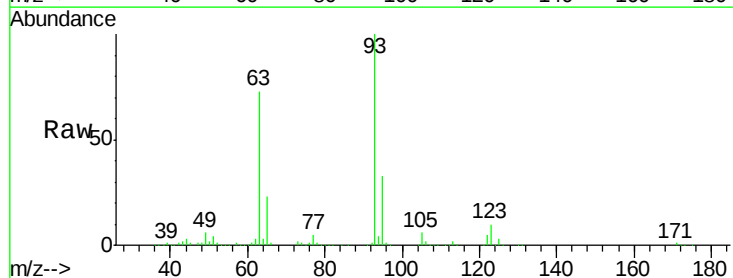
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

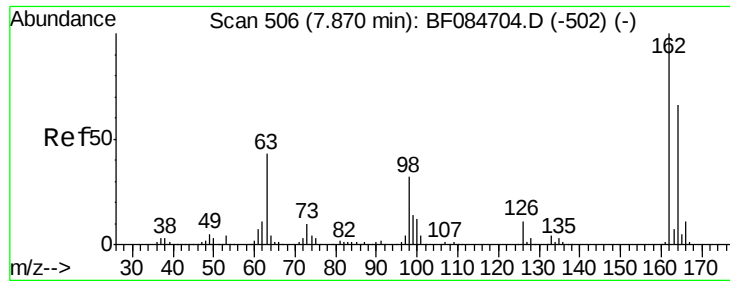
Tgt Ion:122 Resp: 493214  
 Ion Ratio Lower Upper  
 122 100  
 107 106.2 99.1 148.7  
 121 57.0 47.9 71.9



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.75 ng  
 RT: 7.71 min Scan# 492  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion: 93 Resp: 618242  
 Ion Ratio Lower Upper  
 93 100  
 95 33.3 25.8 38.6  
 123 10.2 8.6 12.8

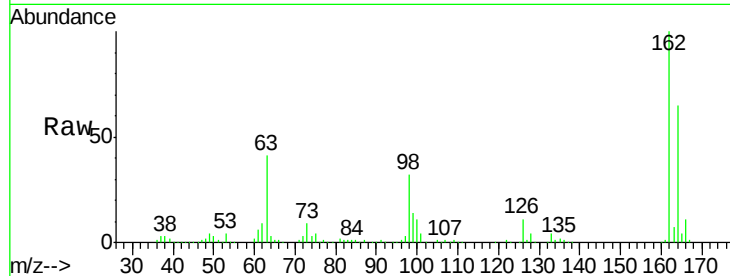




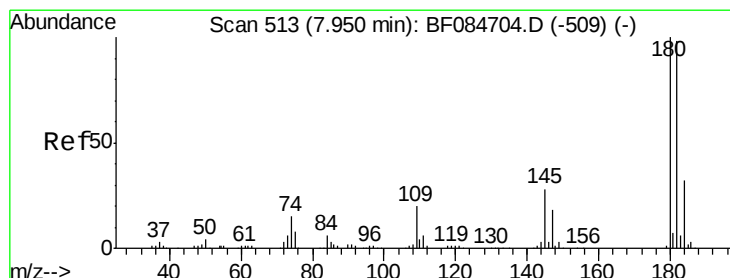
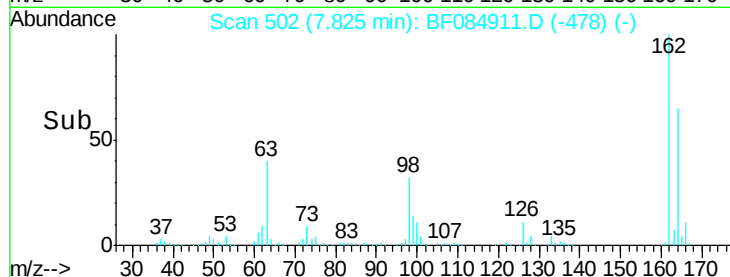
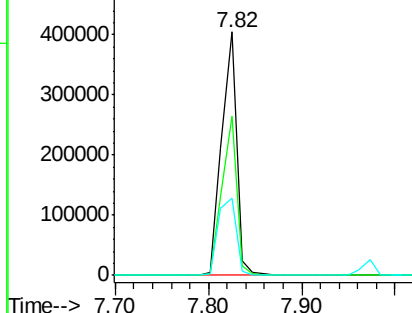
#29  
 2,4-Dichlorophenol  
 Concen: 46.57 ng  
 RT: 7.82 min Scan# 502  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion:162 Resp: 448378  
 Ion Ratio Lower Upper  
 162 100  
 164 65.2 44.1 84.1  
 98 31.8 20.2 60.2

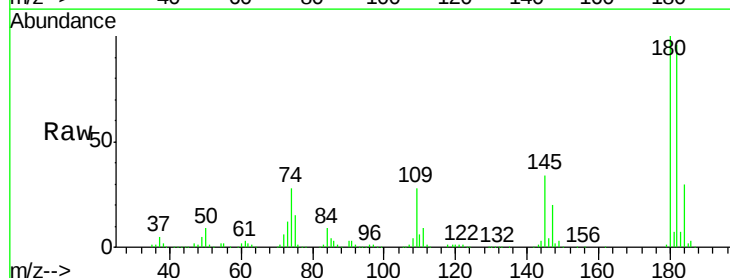


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

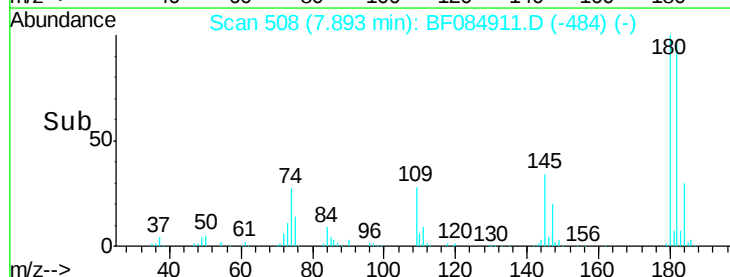
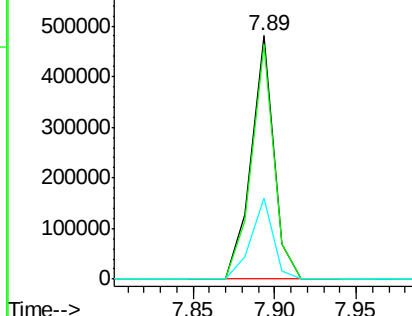


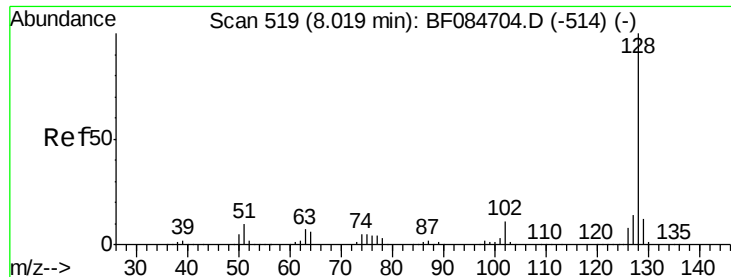
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.88 ng  
 RT: 7.89 min Scan# 508  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:180 Resp: 466329  
 Ion Ratio Lower Upper  
 180 100  
 182 96.4 76.4 114.6  
 145 33.5 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

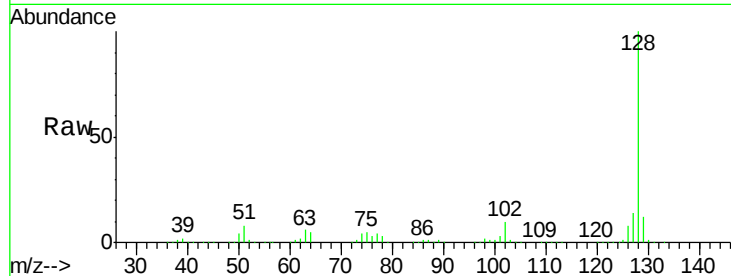




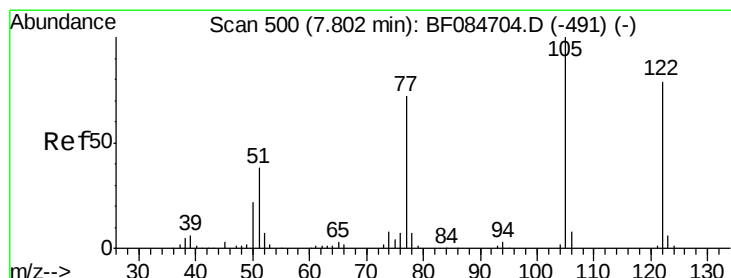
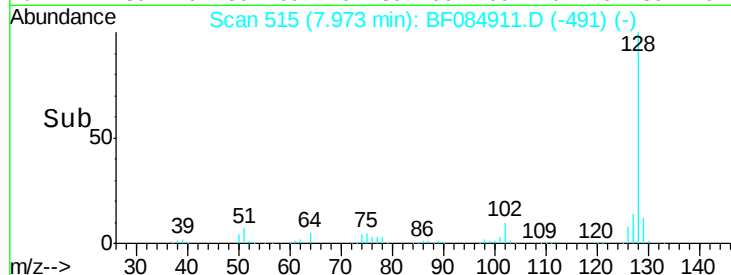
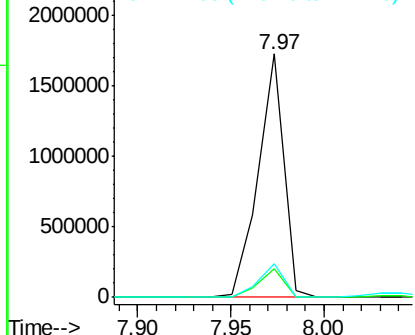
#31  
Naphthalene  
Concen: 47.13 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion:128 Resp: 1631286  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.1 13.7  
127 13.8 11.1 16.7

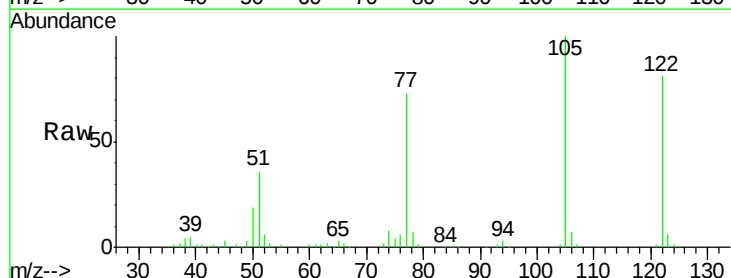


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

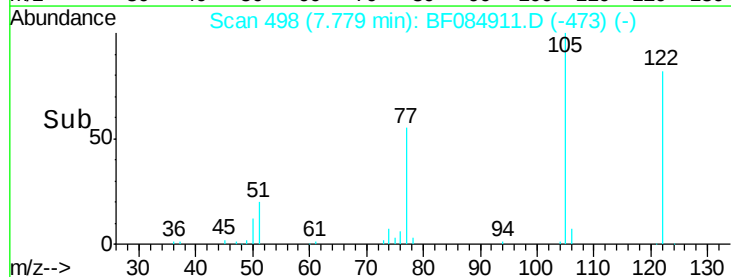
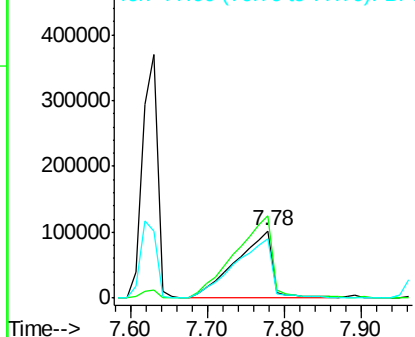


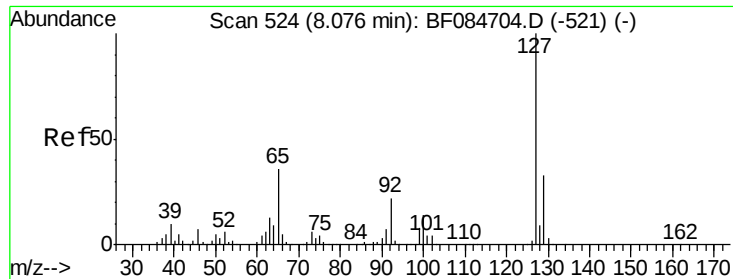
#32  
Benzoic acid  
Concen: 46.29 ng  
RT: 7.78 min Scan# 498  
Delta R.T. -0.01 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:122 Resp: 333212  
Ion Ratio Lower Upper  
122 100  
105 123.4 100.3 140.3  
77 89.4 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

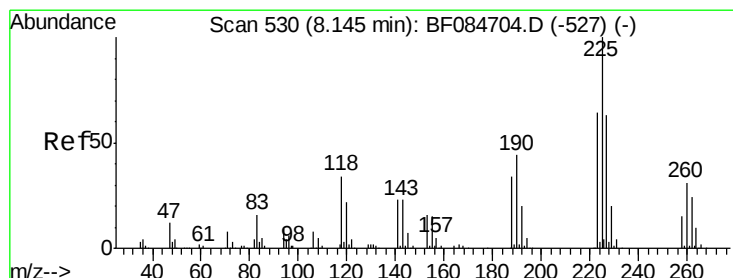
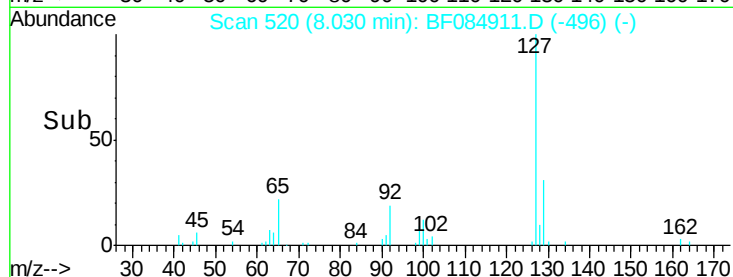
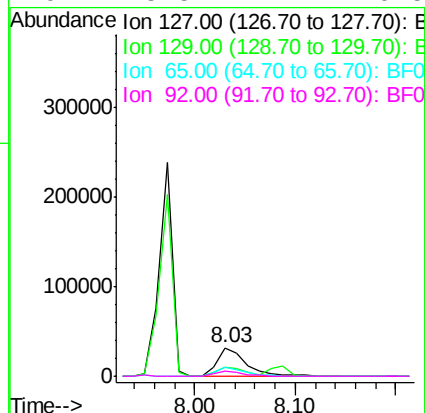
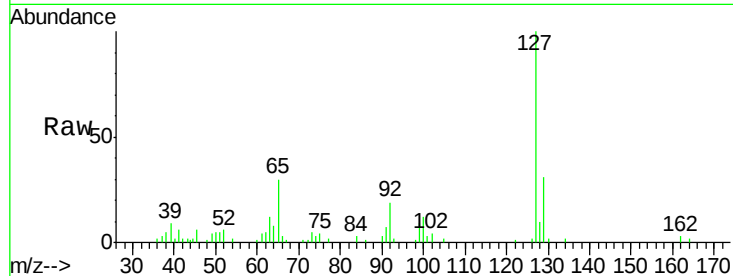




#33  
4-Chloroaniline  
Concen: 4.51 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

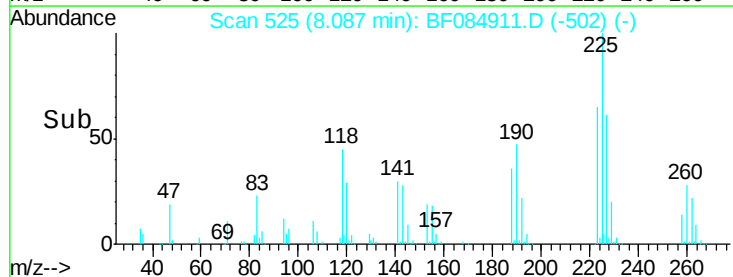
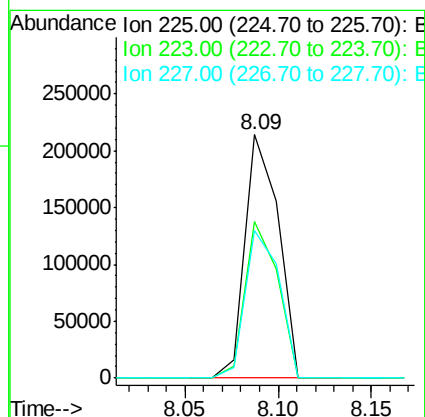
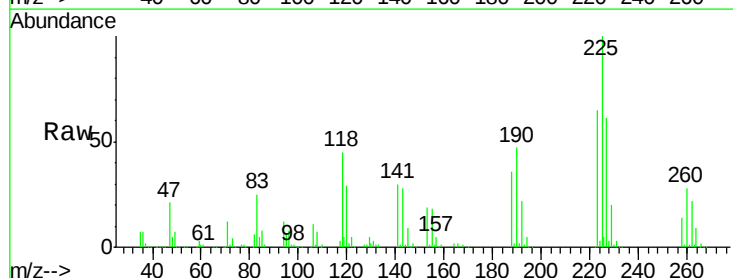
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

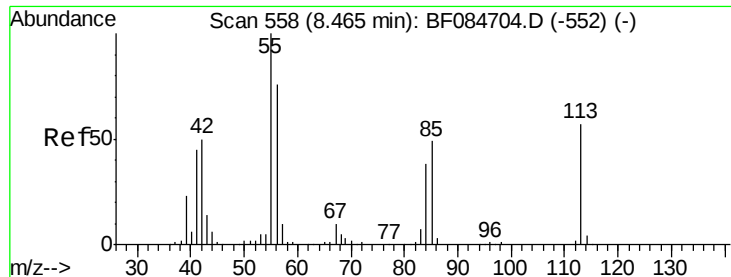
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 64614 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.1  | 26.5  | 39.7  |
| 65       | 30.3  | 27.2  | 40.8  |
| 92       | 18.5  | 17.7  | 26.5  |



#34  
Hexachlorobutadiene  
Concen: 42.30 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 265277 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.6  | 49.4  | 74.0   |
| 227      | 60.7  | 50.8  | 76.2   |





#35

Caprolactam

Concen: 30.68 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

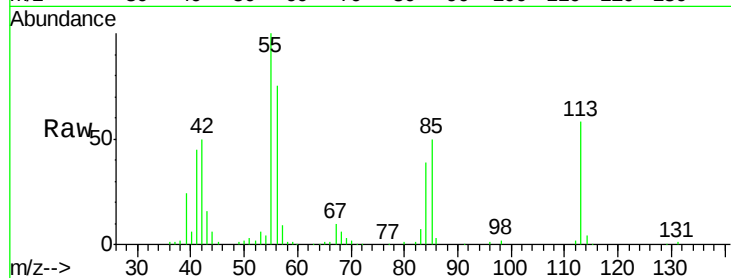
Tgt Ion:113 Resp: 91048

Ion Ratio Lower Upper

113 100

55 171.2 116.9 156.9#

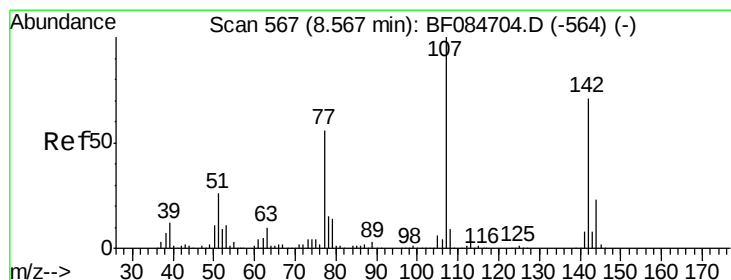
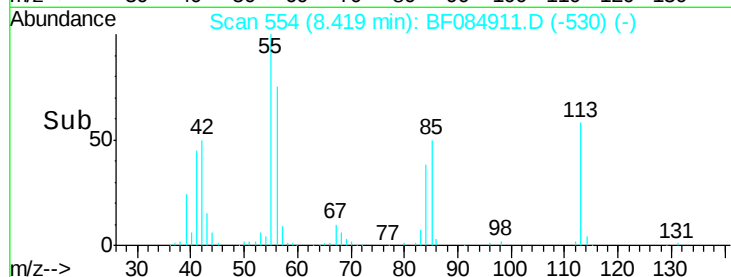
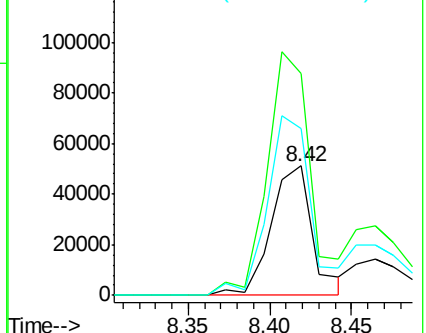
56 129.1 93.8 133.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 46.11 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

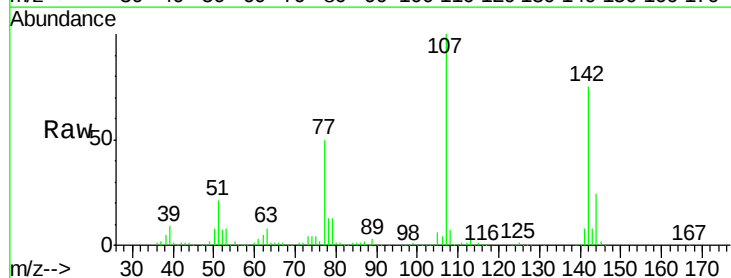
Tgt Ion:107 Resp: 506462

Ion Ratio Lower Upper

107 100

144 24.3 19.7 29.5

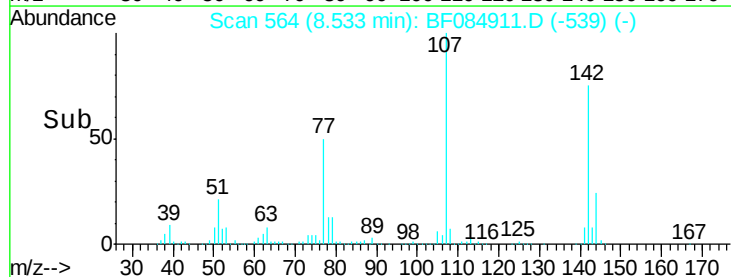
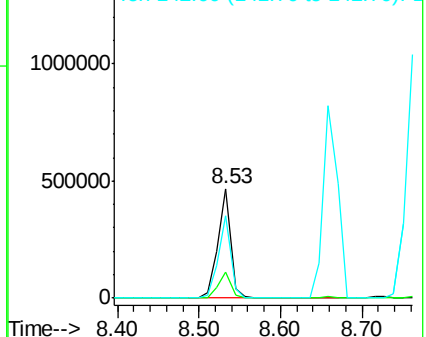
142 74.8 61.8 92.6

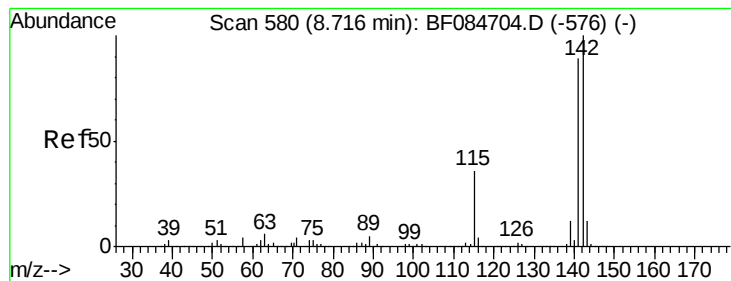


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.32 ng

RT: 8.66 min Scan# 575

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

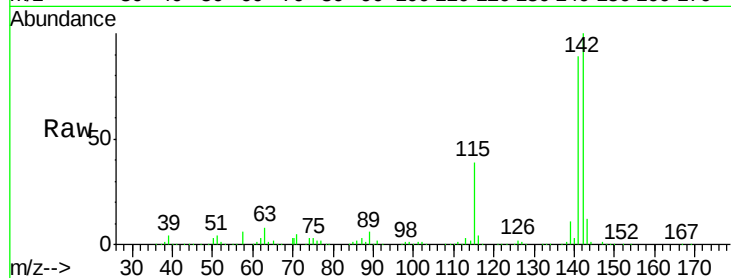
Tgt Ion:142 Resp: 1003508

Ion Ratio Lower Upper

142 100

141 88.8 72.4 108.6

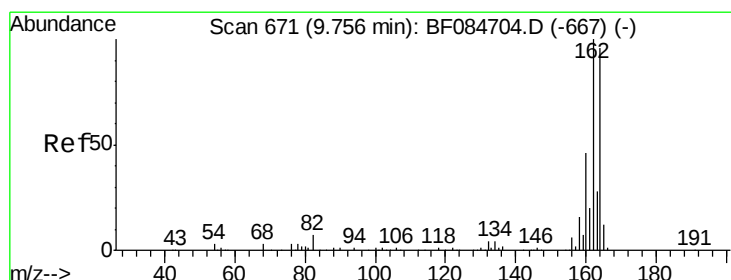
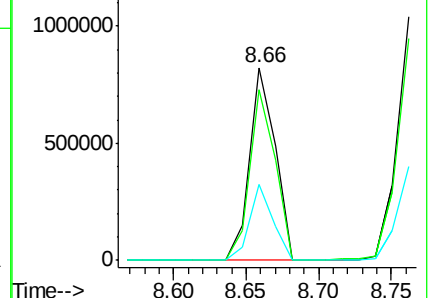
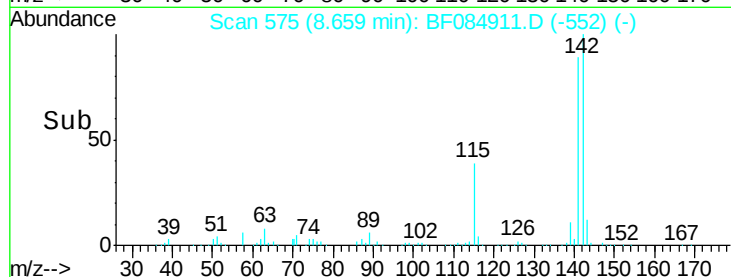
115 39.5 27.9 41.9



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: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

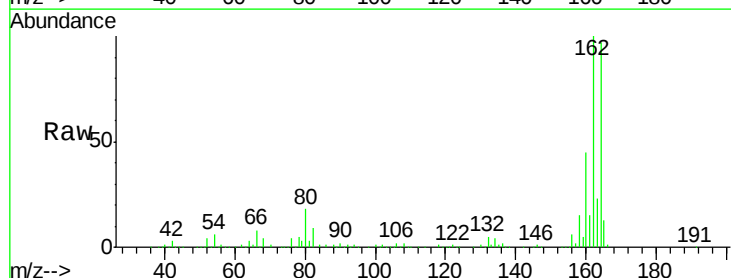
Tgt Ion:164 Resp: 303959

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

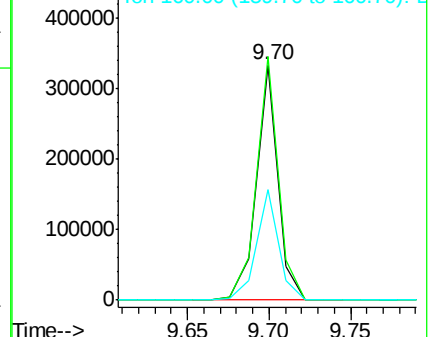
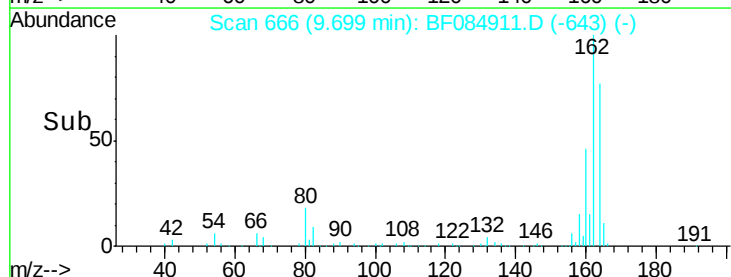
160 46.8 37.5 56.3

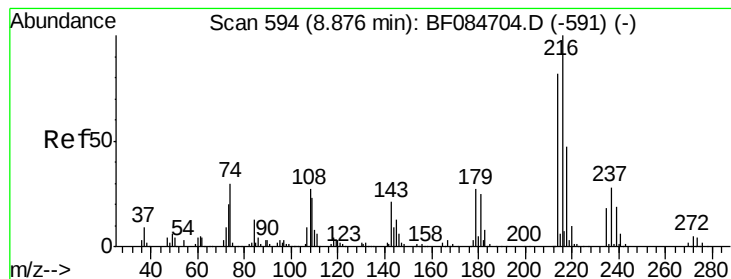


Abundance Ion 164.00 (163.70 to 164.70): E

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: 46.59 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tgt Ion:216 Resp: 449762

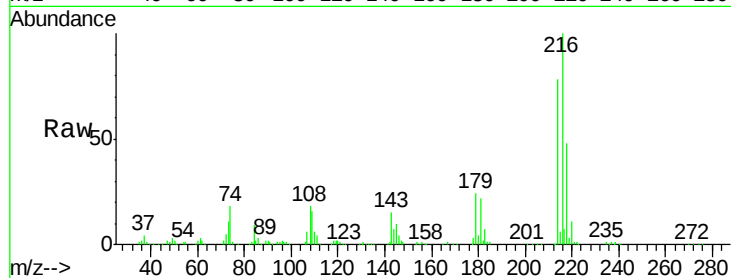
Ion Ratio Lower Upper

216 100

214 78.3 64.2 96.2

179 24.2 18.7 28.1

108 21.5 16.8 25.2

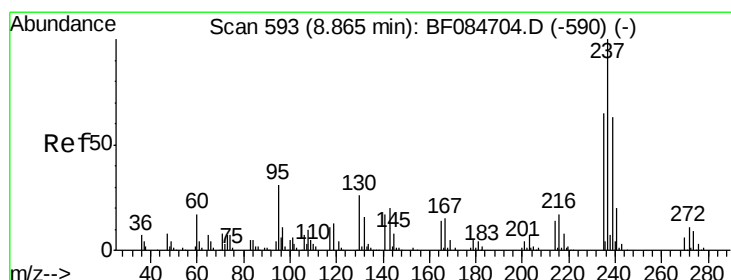
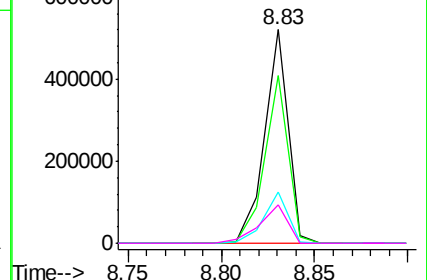
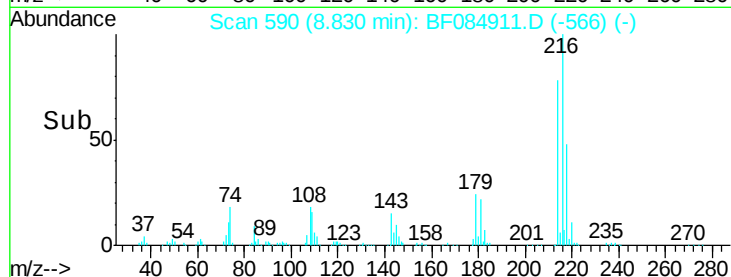


Abundance Ion 216.00 (215.70 to 216.70): E

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: 75.21 ng

RT: 8.82 min Scan# 589

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

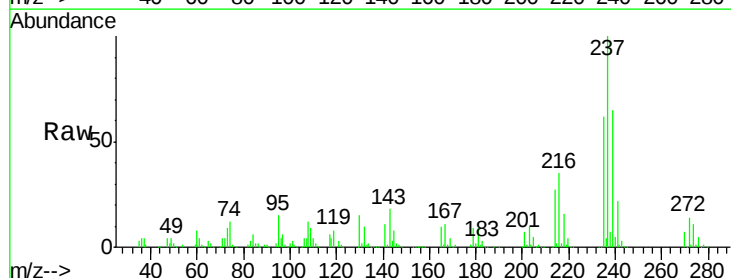
Tgt Ion:237 Resp: 312679

Ion Ratio Lower Upper

237 100

235 62.5 43.1 83.1

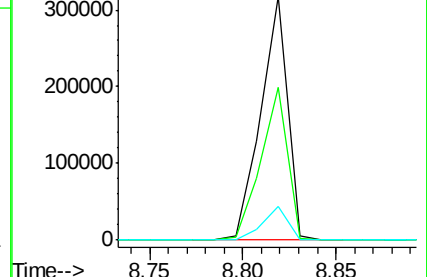
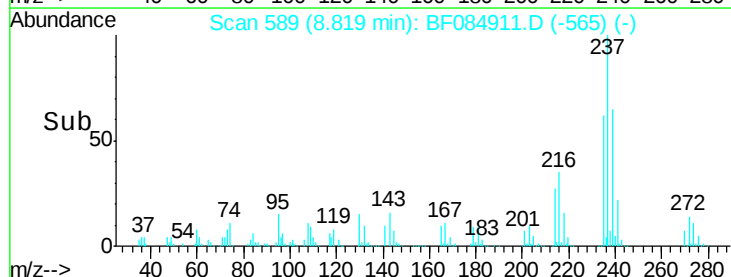
272 13.7 0.0 35.1



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

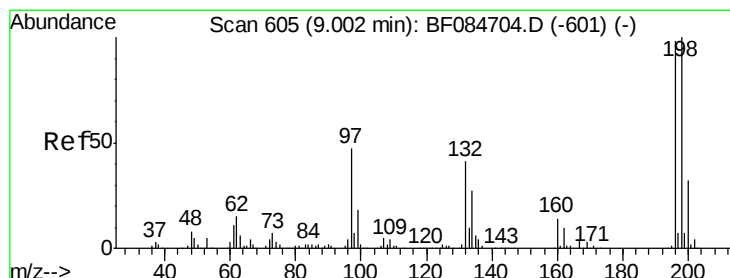
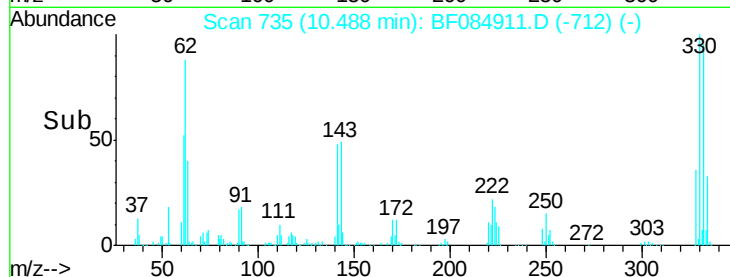
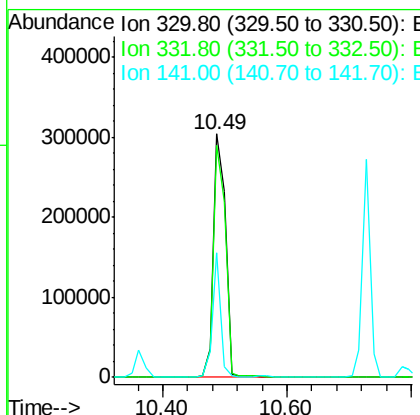
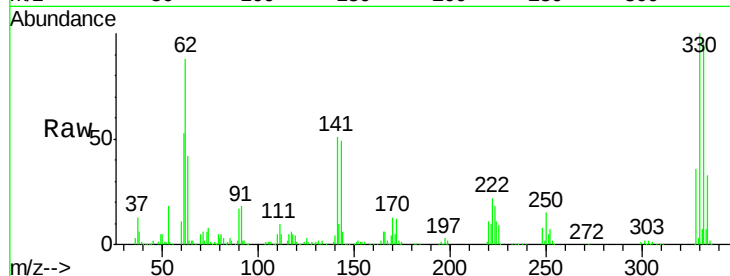




#41  
 2,4,6-Tribromophenol  
 Concen: 127.94 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

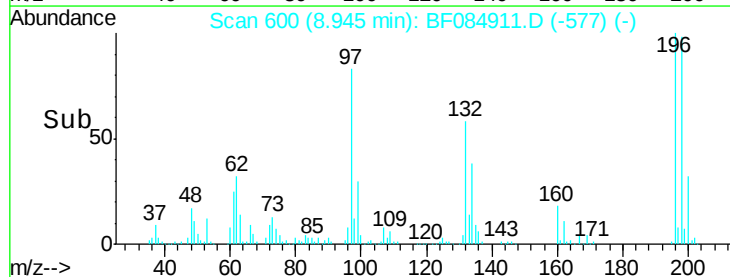
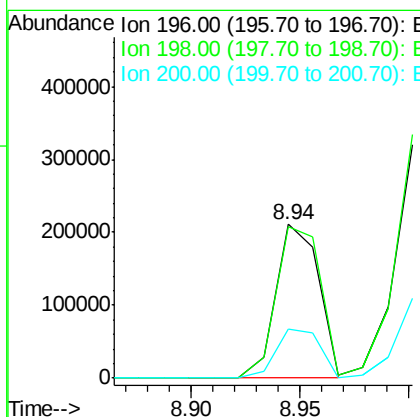
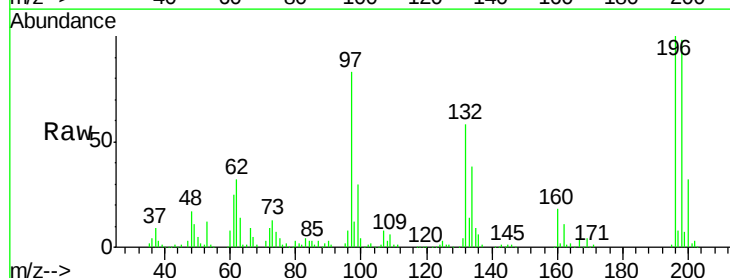
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

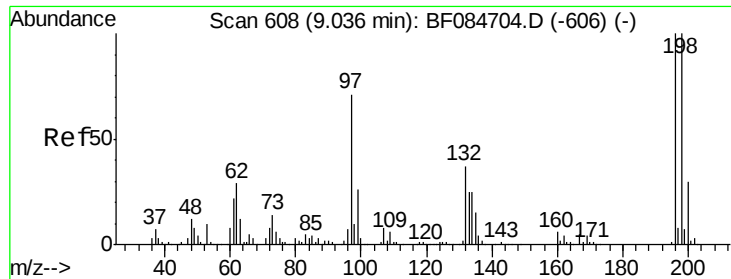
Tgt Ion:330 Resp: 405640  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 76.6 114.8  
 141 35.0 27.8 41.6



#42  
 2,4,6-Trichlorophenol  
 Concen: 46.79 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:196 Resp: 290978  
 Ion Ratio Lower Upper  
 196 100  
 198 98.2 77.7 116.5  
 200 31.6 24.6 37.0

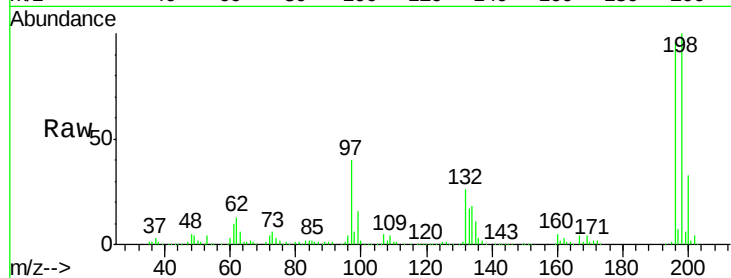




#43  
 2,4,5-Trichlorophenol  
 Concen: 49.13 ng  
 RT: 9.00 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 104.0 | 79.0  | 118.6 |
| 97      | 42.1  | 33.0  | 49.6  |
| 132     | 27.0  | 21.1  | 31.7  |



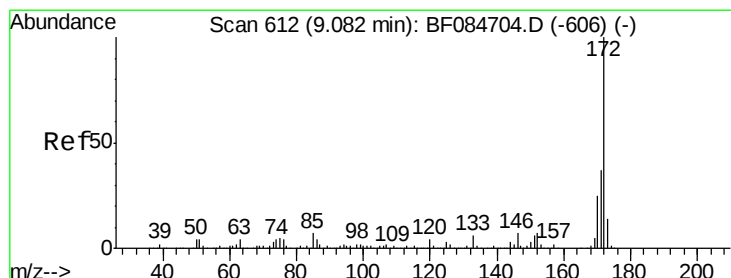
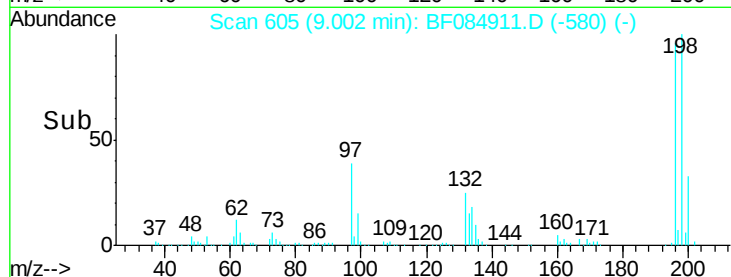
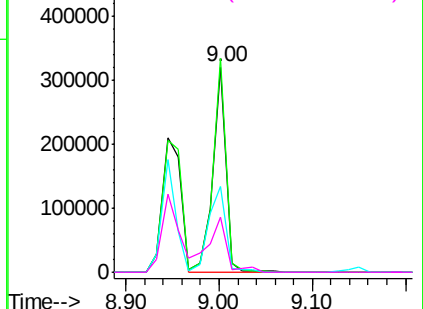
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

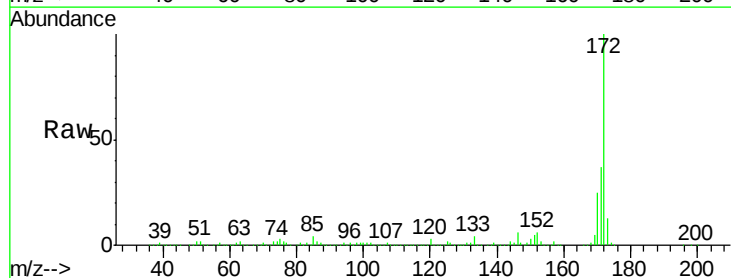
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 138.61 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.9  | 43.3  |
| 170     | 24.7  | 18.6  | 27.8  |

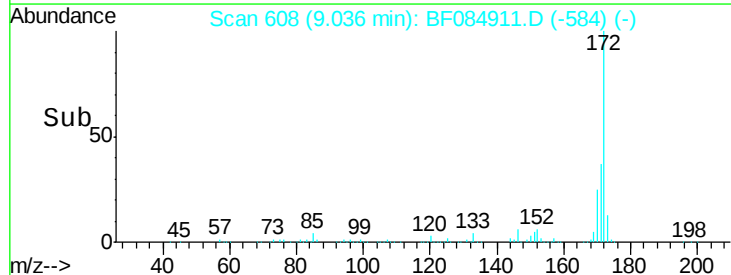
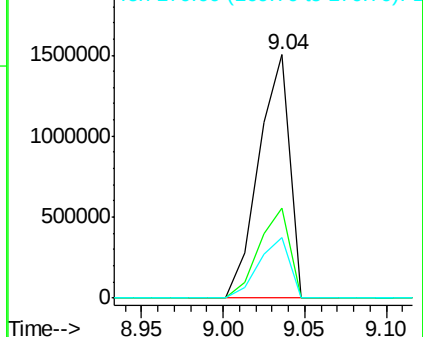


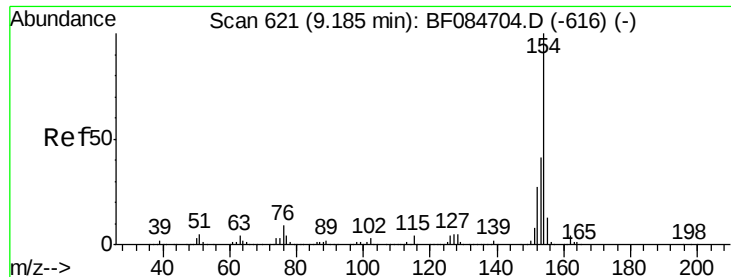
Abundance

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: 42.75 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

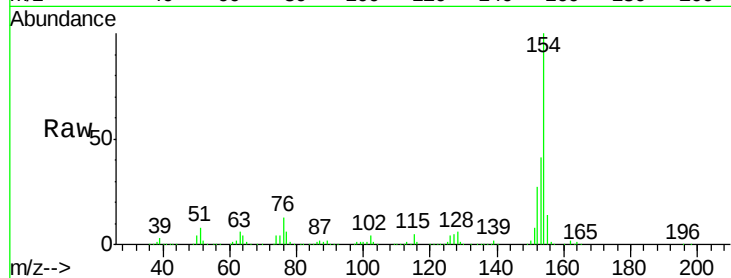
Tgt Ion:154 Resp: 1160735

Ion Ratio Lower Upper

154 100

153 41.2 21.6 61.6

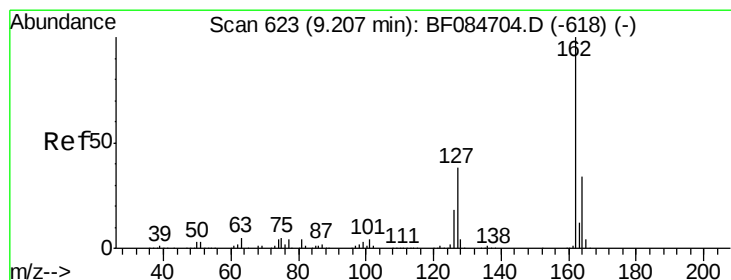
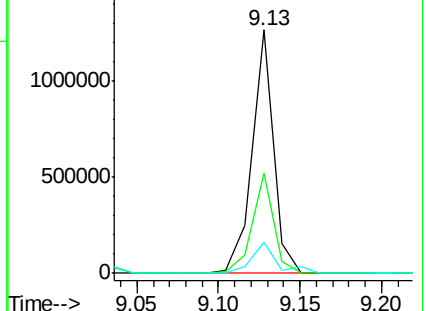
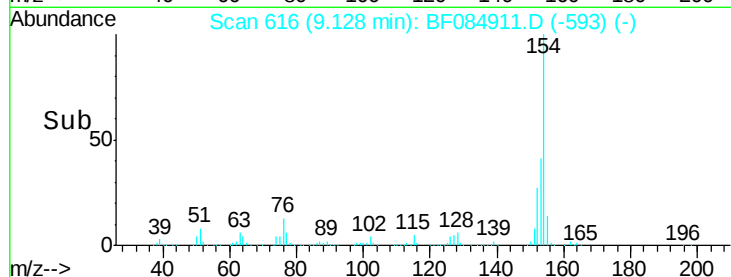
76 12.6 0.0 32.7



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: 45.62 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

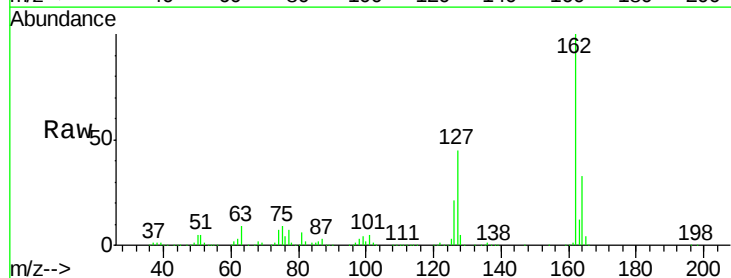
Tgt Ion:162 Resp: 912020

Ion Ratio Lower Upper

162 100

127 44.6 40.2 60.4

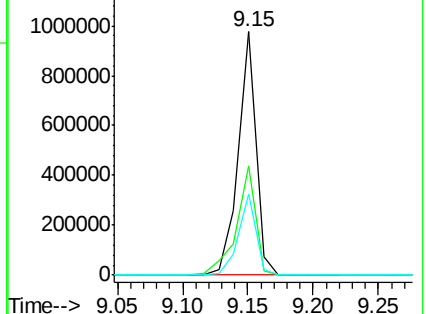
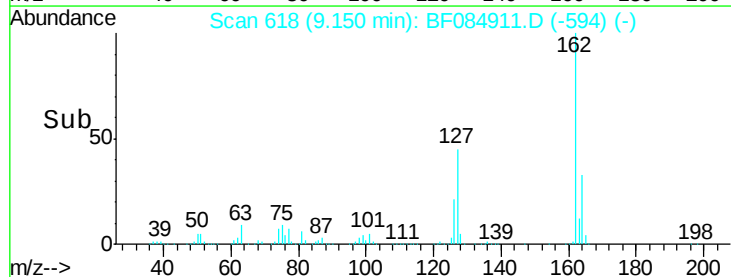
164 33.2 25.7 38.5

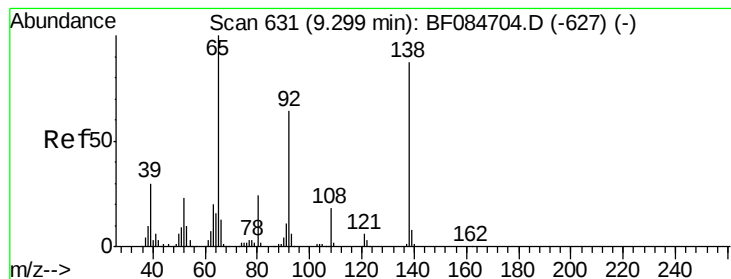


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.34 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

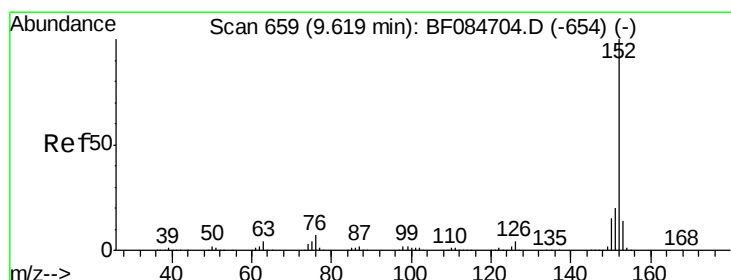
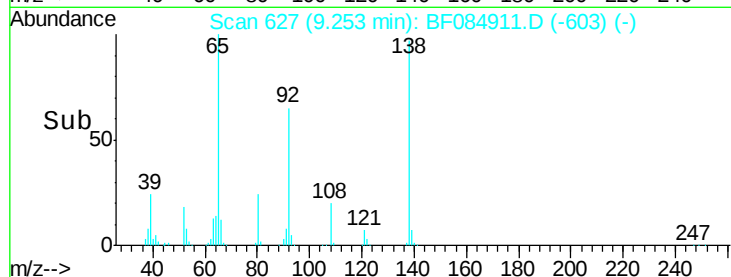
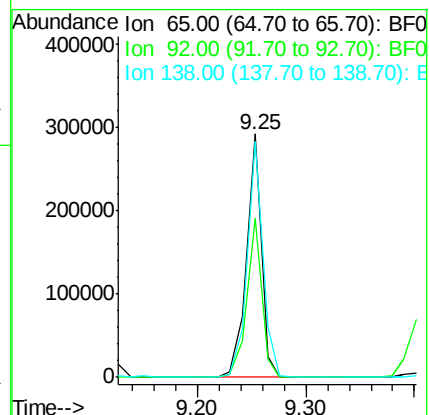
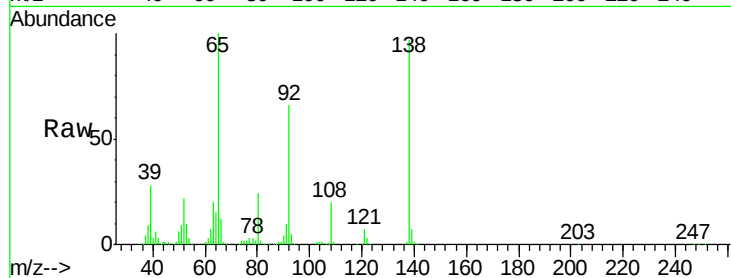
Tgt Ion: 65 Resp: 274369

Ion Ratio Lower Upper

65 100

92 65.5 53.4 80.2

138 96.9 71.1 106.7



#48

Acenaphthylene

Concen: 42.30 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

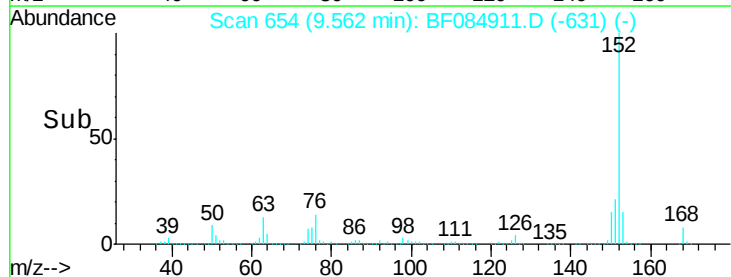
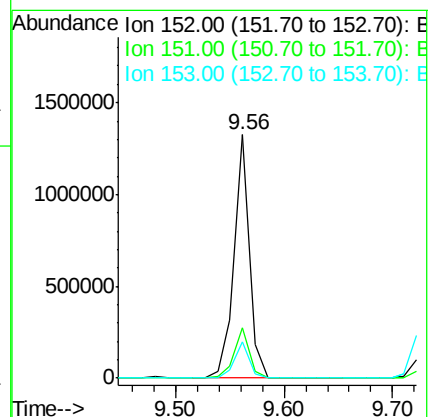
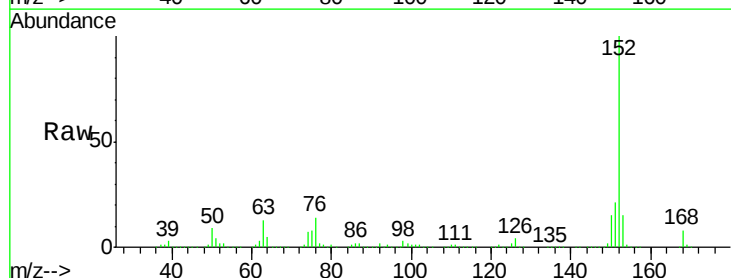
Tgt Ion: 152 Resp: 1283452

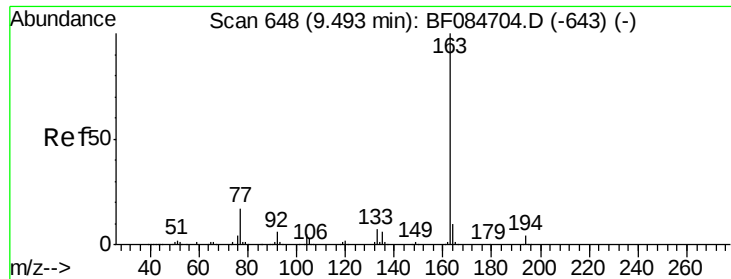
Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 14.6 10.4 15.6





#49

Dimethylphthalate

Concen: 49.31 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

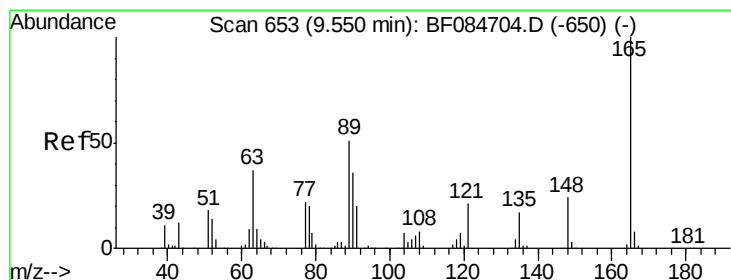
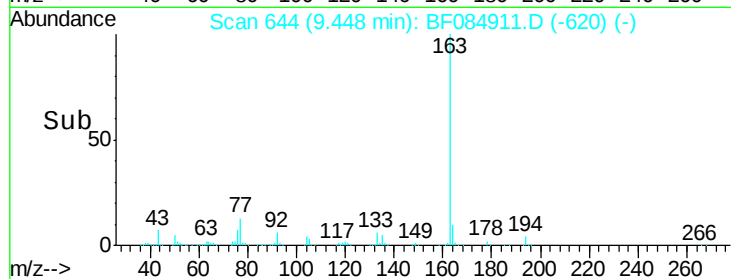
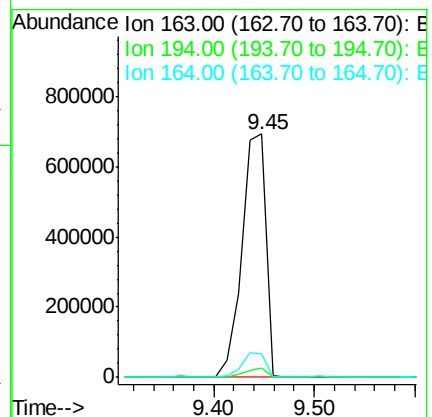
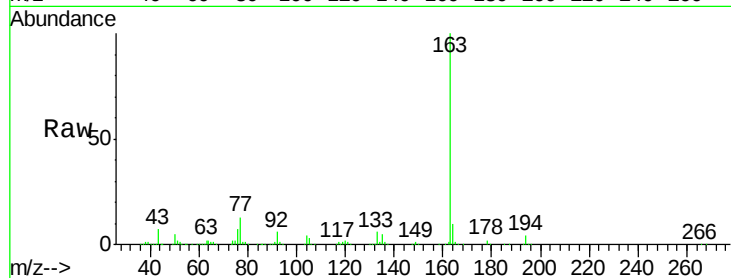
Tgt Ion:163 Resp: 1141464

Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

164 9.5 8.0 12.0



#50

2,6-Dinitrotoluene

Concen: 51.87 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

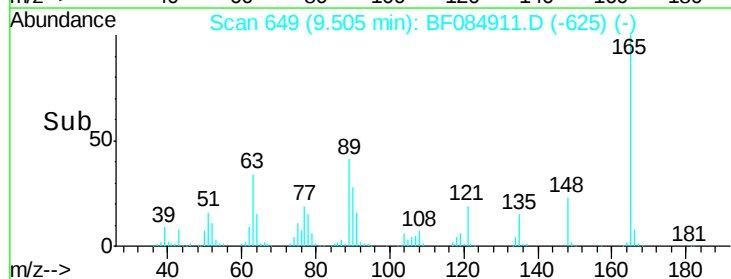
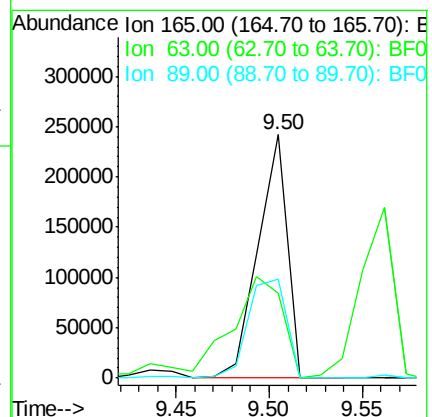
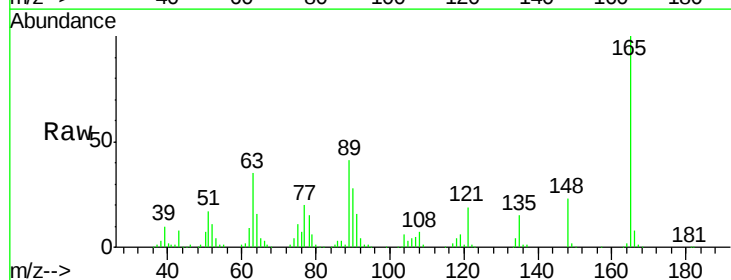
Tgt Ion:165 Resp: 262316

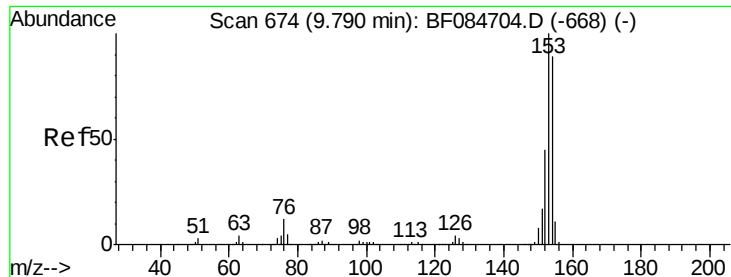
Ion Ratio Lower Upper

165 100

63 34.9 28.8 43.2

89 40.7 35.1 52.7





#51

Acenaphthene

Concen: 43.51 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

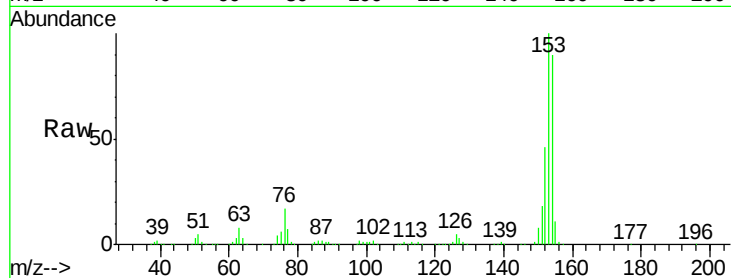
Tgt Ion:154 Resp: 858810

Ion Ratio Lower Upper

154 100

153 111.6 91.5 137.3

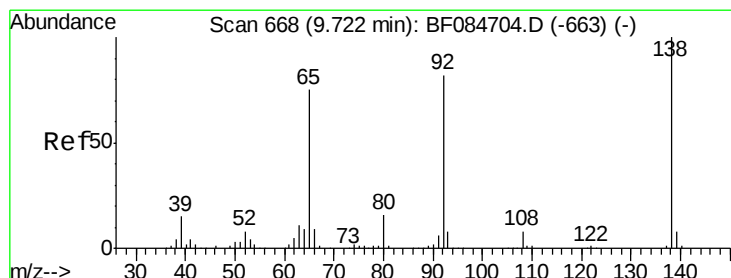
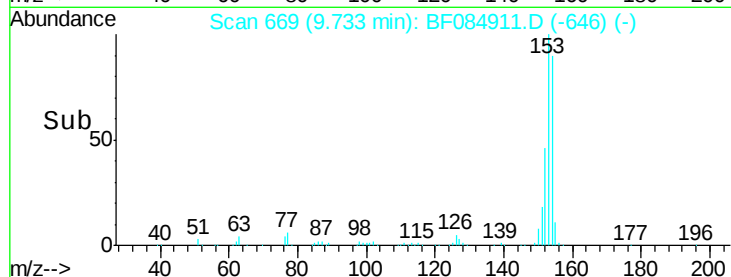
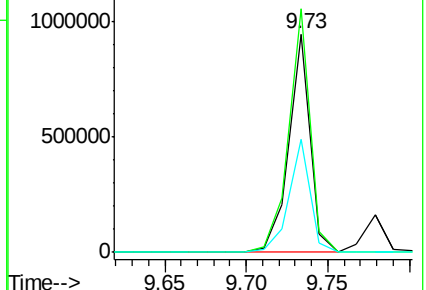
152 51.6 43.0 64.6



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: 9.98 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

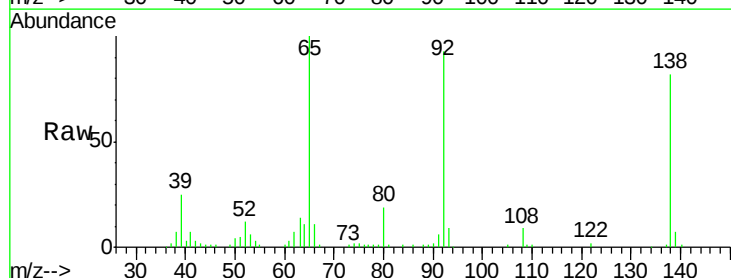
Tgt Ion:138 Resp: 56733

Ion Ratio Lower Upper

138 100

108 10.4 10.5 15.7#

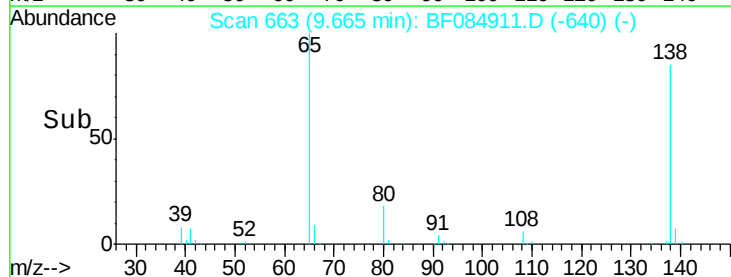
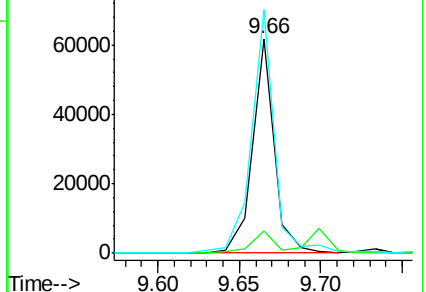
92 113.5 103.9 155.9

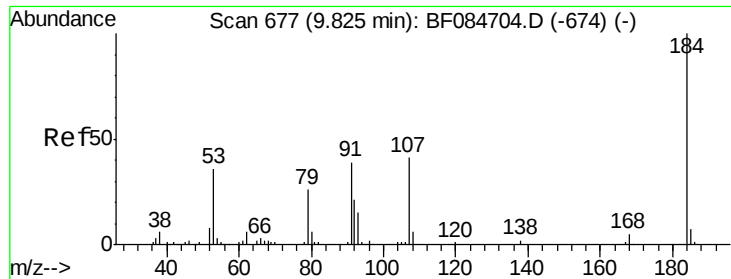


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

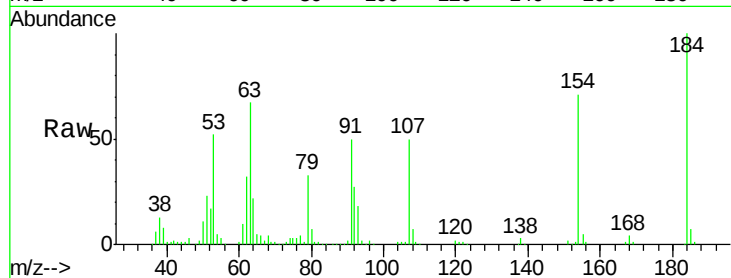




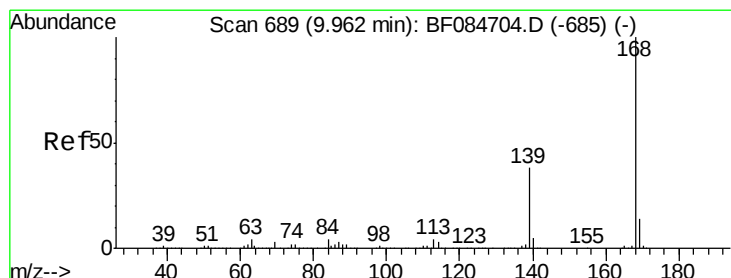
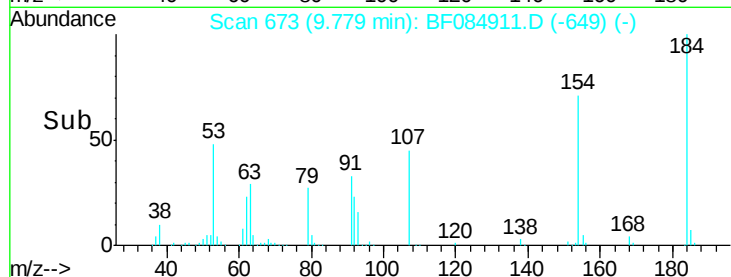
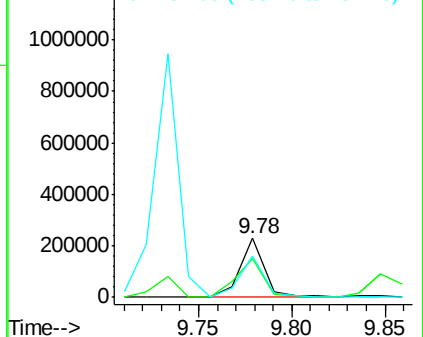
#53  
2,4-Dinitrophenol  
Concen: 90.15 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion:184 Resp: 212291  
Ion Ratio Lower Upper  
184 100  
63 66.6 43.1 64.7#  
154 70.6 60.5 90.7

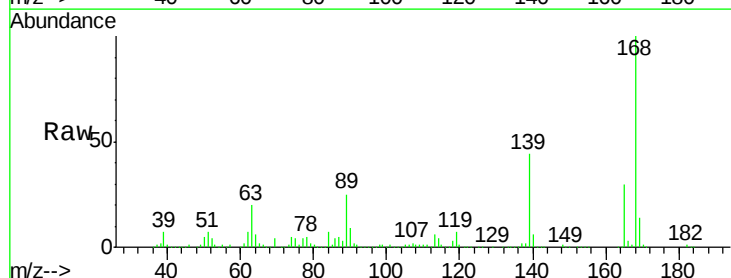


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

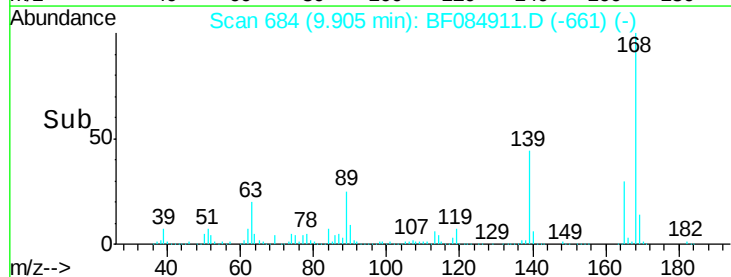
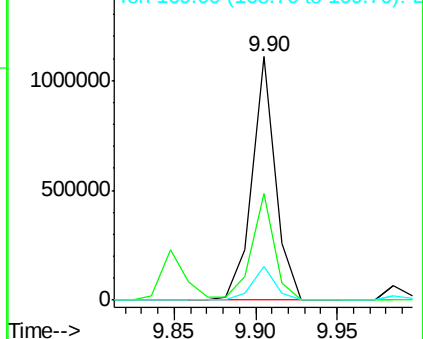


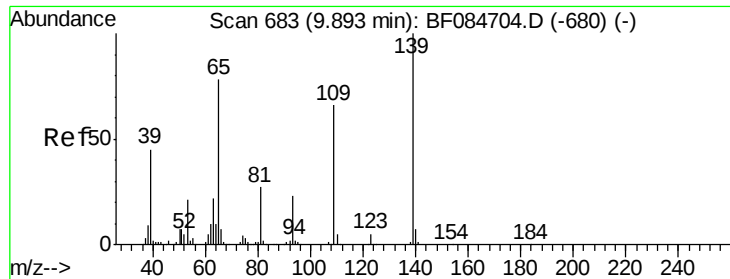
#54  
Dibenzofuran  
Concen: 45.78 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:168 Resp: 1104545  
Ion Ratio Lower Upper  
168 100  
139 43.9 30.5 45.7  
169 14.1 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

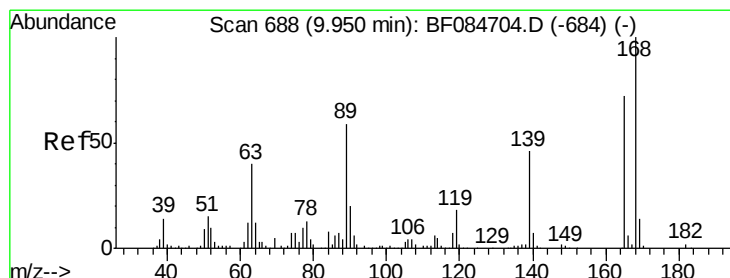
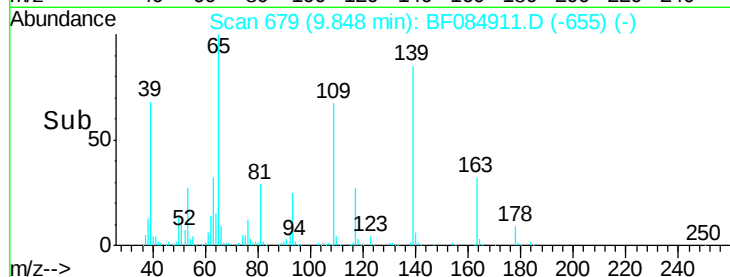
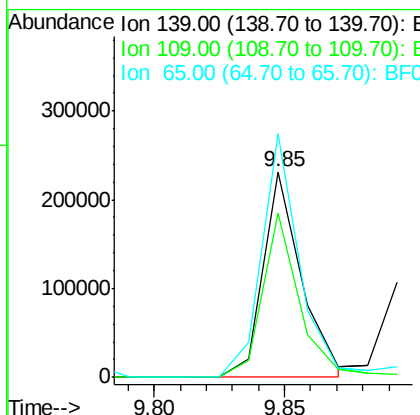
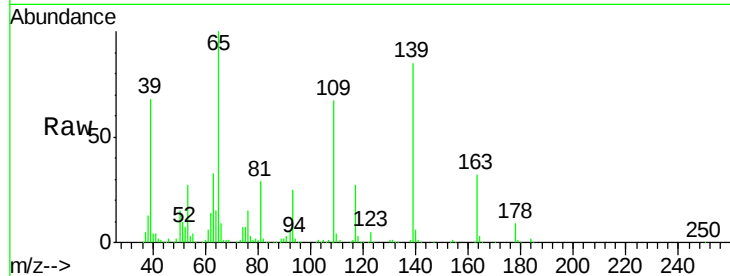




#55  
4-Nitrophenol  
Concen: 56.63 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

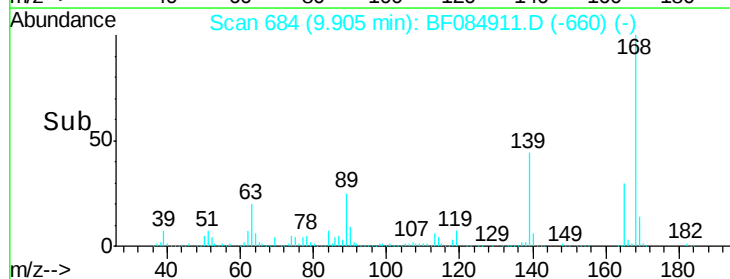
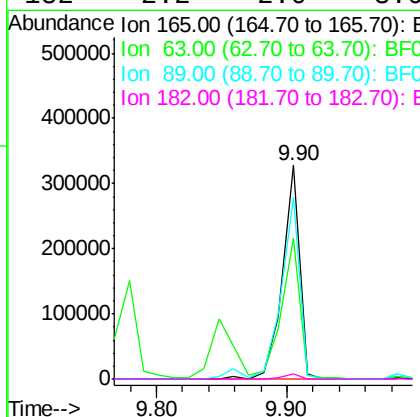
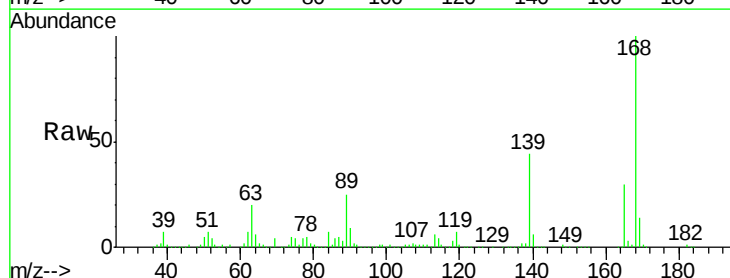
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

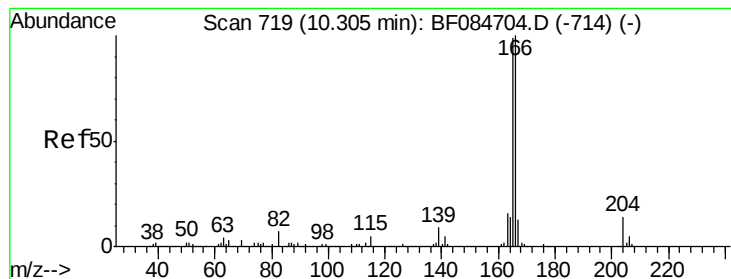
Tgt Ion:139 Resp: 236537  
Ion Ratio Lower Upper  
139 100  
109 79.5 58.5 98.5  
65 118.3 57.6 97.6#



#56  
2,4-Dinitrotoluene  
Concen: 47.37 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:165 Resp: 305558  
Ion Ratio Lower Upper  
165 100  
63 66.2 36.7 55.1#  
89 85.2 61.9 92.9  
182 2.2 2.0 3.0





#57

Fluorene

Concen: 45.20 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

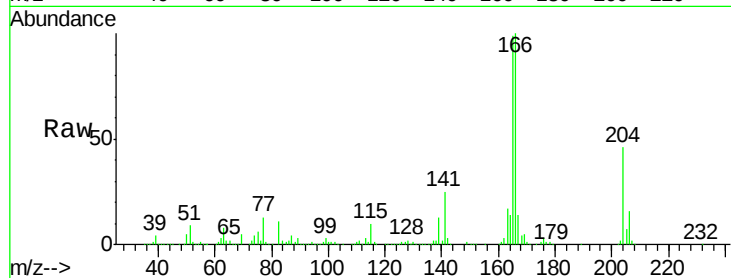
Tgt Ion:166 Resp: 910678

Ion Ratio Lower Upper

166 100

165 98.8 79.1 118.7

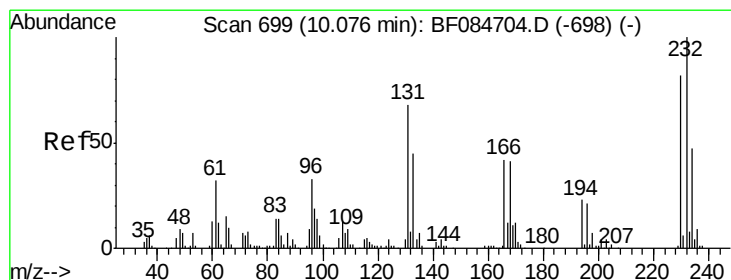
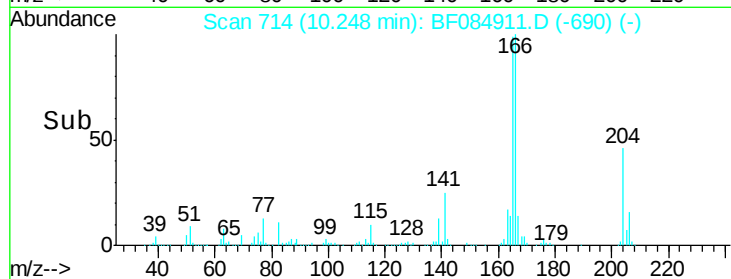
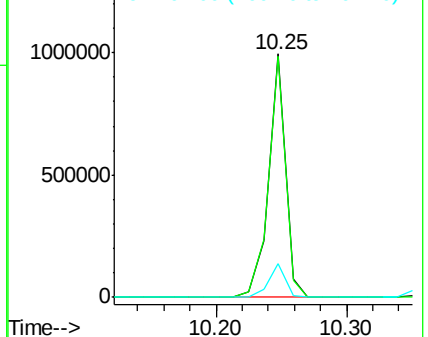
167 14.1 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.61 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Tgt Ion:232 Resp: 248280

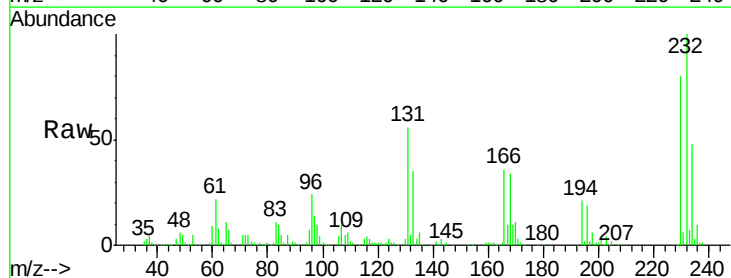
Ion Ratio Lower Upper

232 100

131 54.2 47.0 70.6

130 2.8 2.0 3.0

166 33.4 30.5 45.7

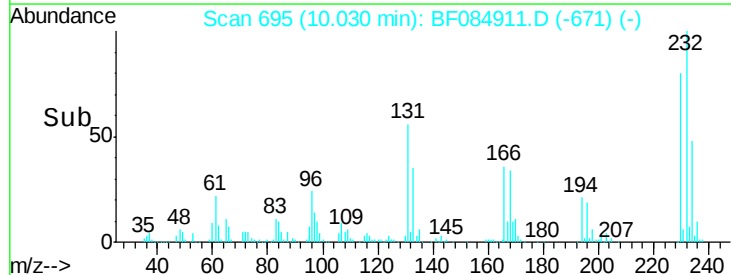
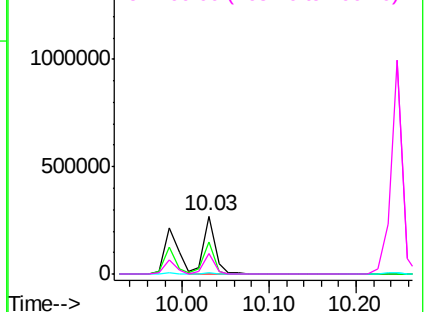


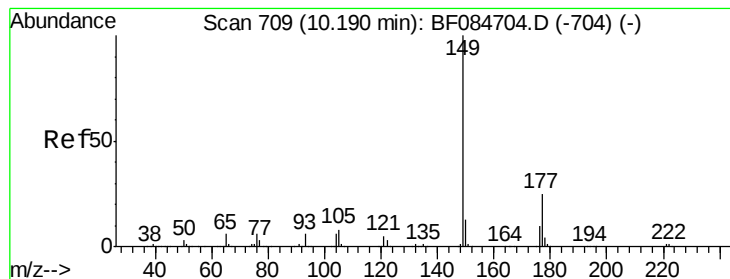
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 45.76 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

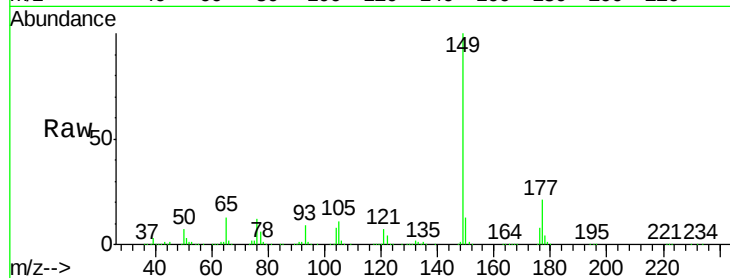
Tgt Ion:149 Resp: 1034403

Ion Ratio Lower Upper

149 100

177 20.9 17.3 25.9

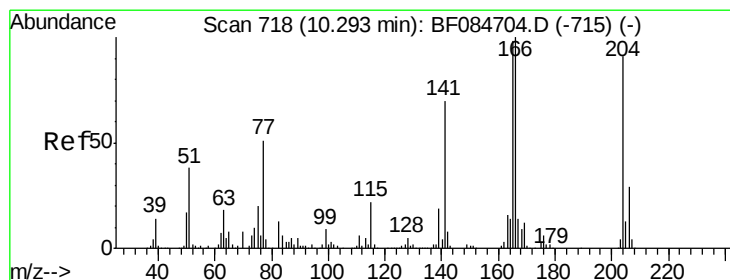
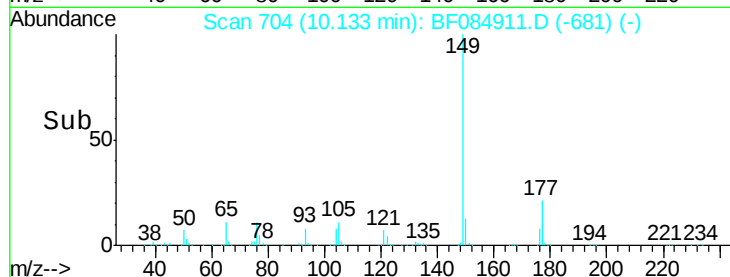
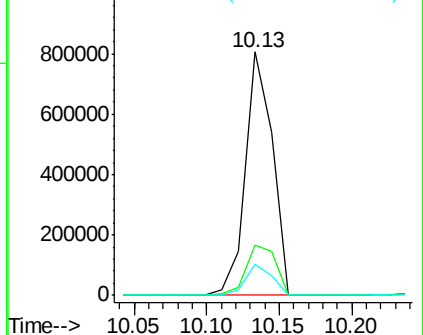
150 13.0 9.8 14.8



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: 55.59 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

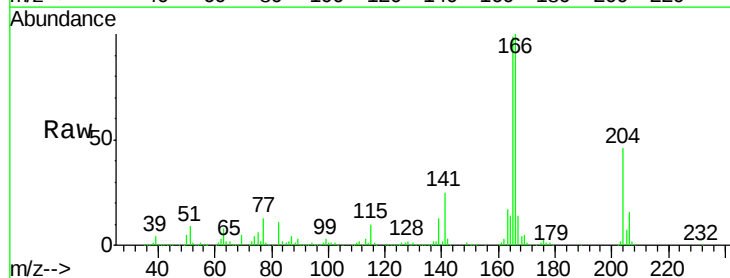
Tgt Ion:204 Resp: 456008

Ion Ratio Lower Upper

204 100

206 34.2 25.7 38.5

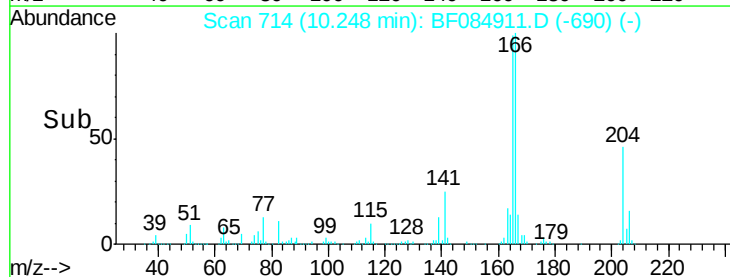
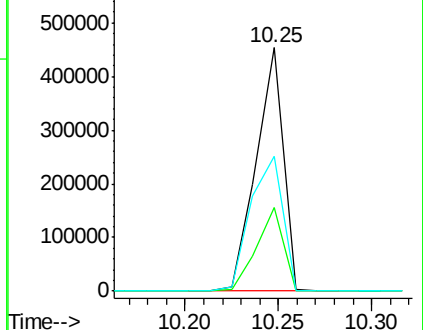
141 55.1 55.1 82.7

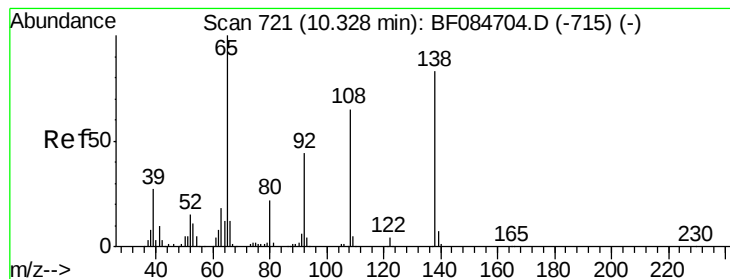


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 35.00 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

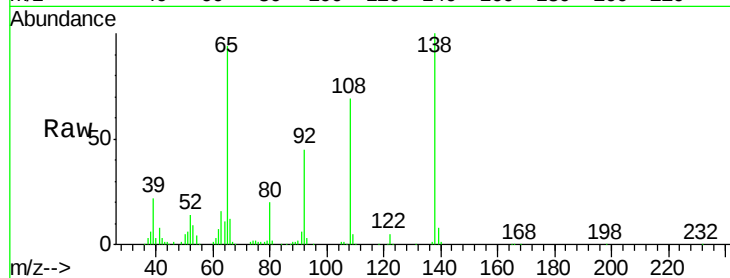
Tgt Ion:138 Resp: 193818

Ion Ratio Lower Upper

138 100

92 44.8 32.6 72.6

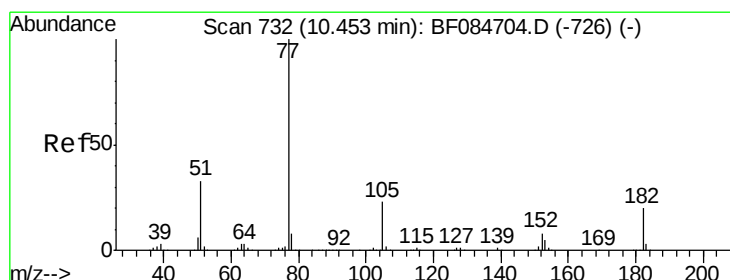
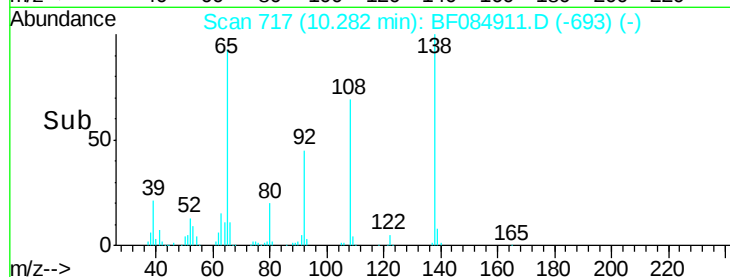
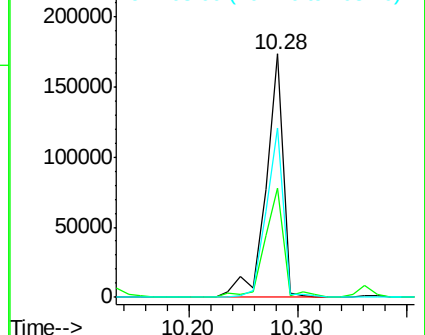
108 69.4 68.6 108.6



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: 50.25 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Tgt Ion: 77 Resp: 1092364

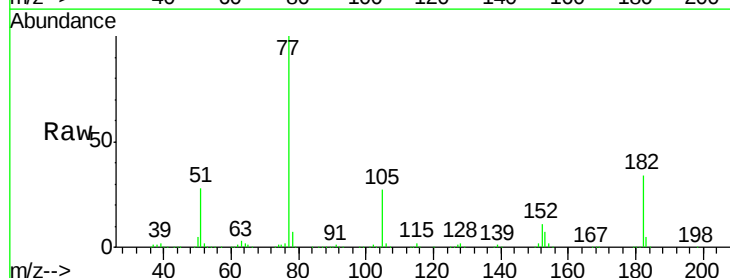
Ion Ratio Lower Upper

77 100

182 34.2 8.3 48.3

105 27.0 4.6 44.6

51 27.9 6.2 46.2

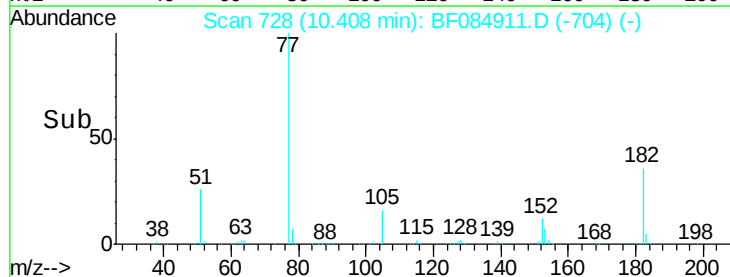
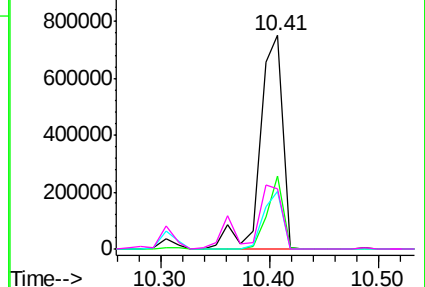


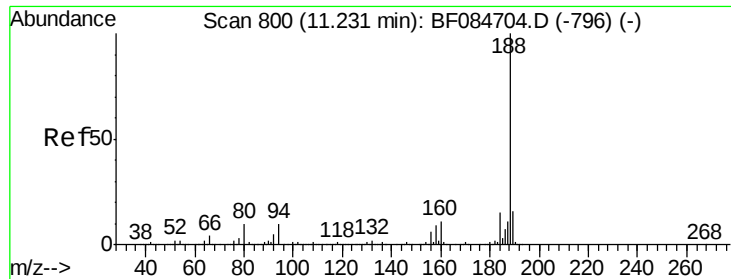
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

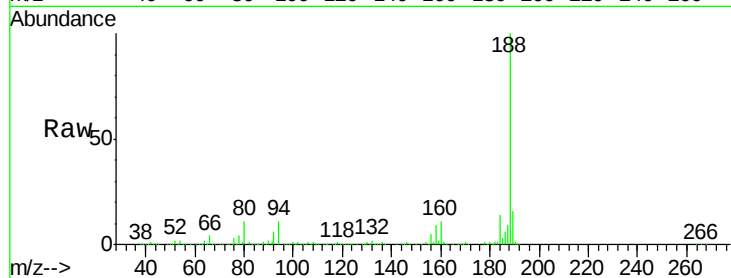




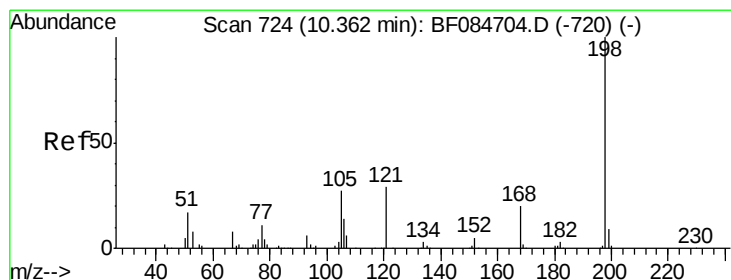
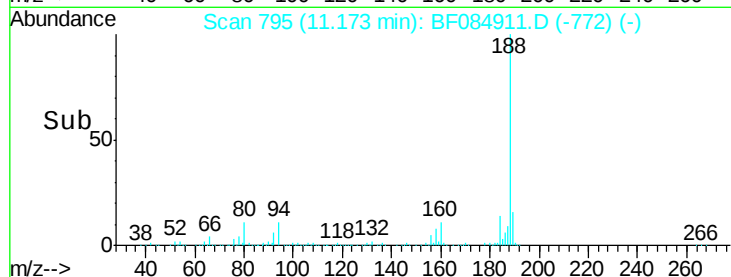
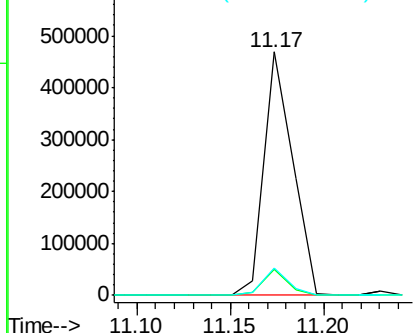
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.17 min Scan# 795  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion:188 Resp: 498284  
Ion Ratio Lower Upper  
188 100  
94 10.6 9.0 13.4  
80 11.0 9.6 14.4

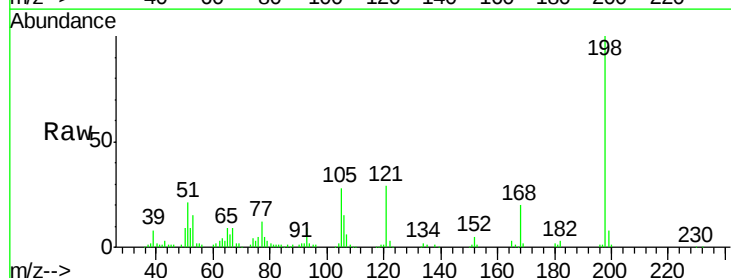


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

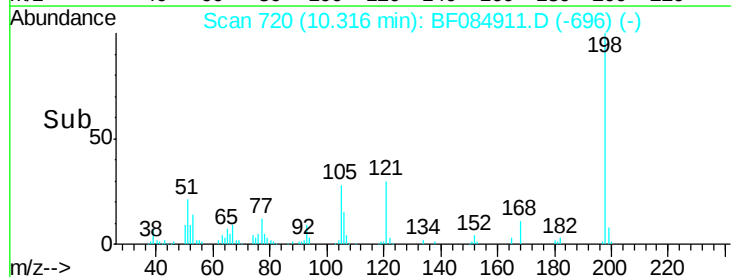
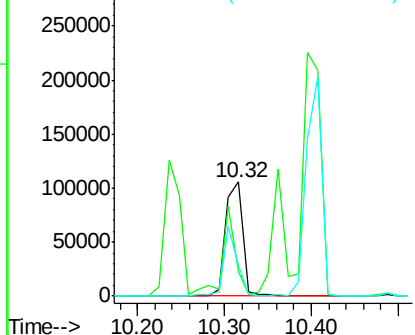


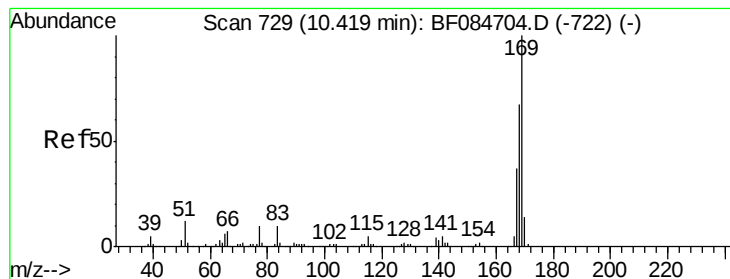
#64  
4,6-Dinitro-2-methylphenol  
Concen: 47.37 ng  
RT: 10.32 min Scan# 720  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:198 Resp: 145682  
Ion Ratio Lower Upper  
198 100  
51 21.2 18.9 58.9  
105 27.6 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: 42.16 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

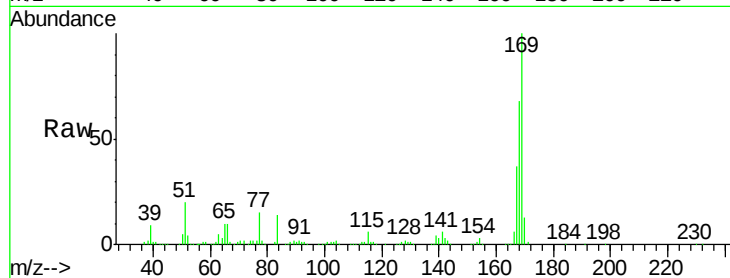
Tgt Ion:169 Resp: 667063

Ion Ratio Lower Upper

169 100

168 67.6 55.1 82.7

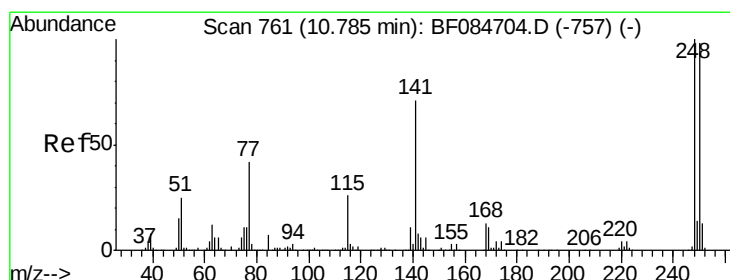
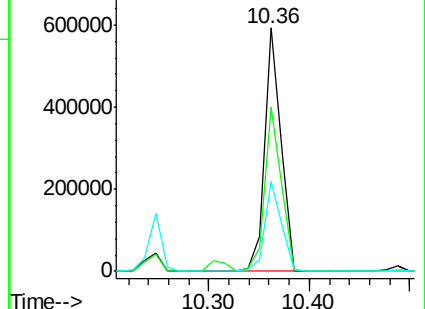
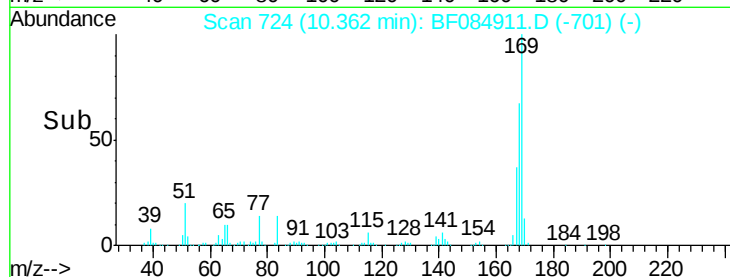
167 37.1 30.0 45.0



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: 49.23 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

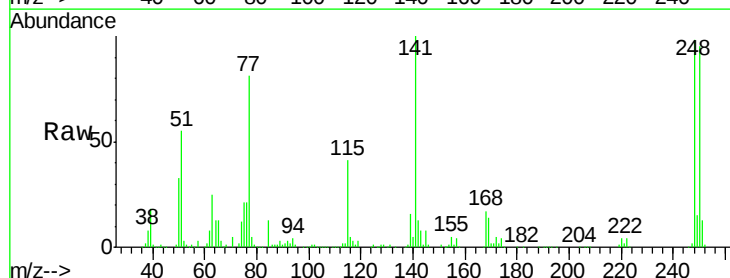
Tgt Ion:248 Resp: 270937

Ion Ratio Lower Upper

248 100

250 96.9 78.4 117.6

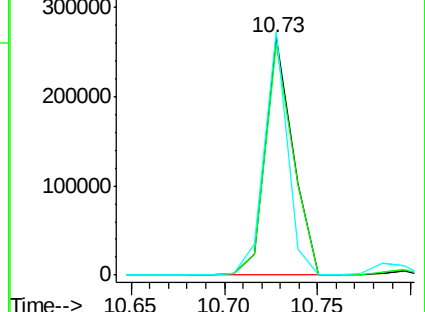
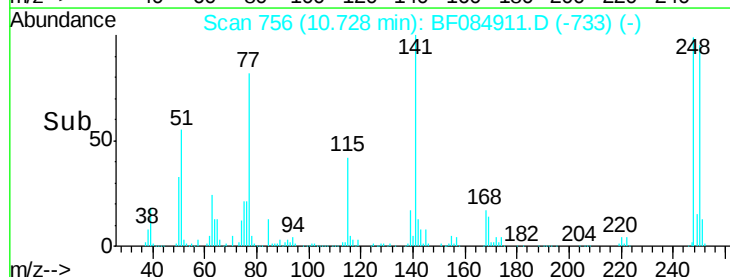
141 102.3 44.0 66.0#



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: 53.93 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

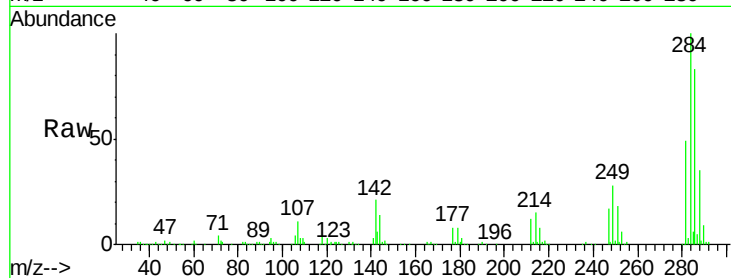
Tgt Ion:284 Resp: 323380

Ion Ratio Lower Upper

284 100

142 21.2 22.2 33.4#

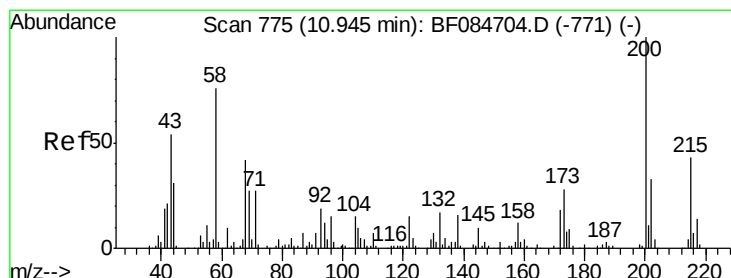
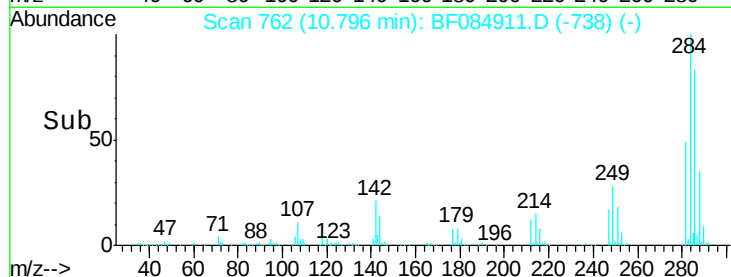
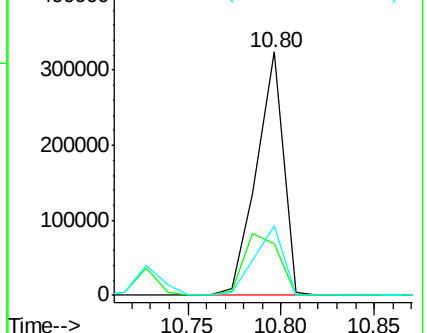
249 28.3 24.6 37.0



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: 38.21 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

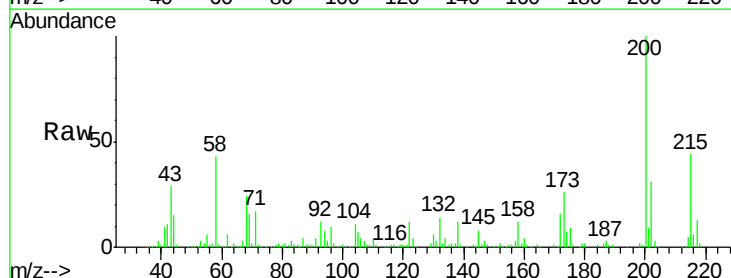
Tgt Ion:200 Resp: 190905

Ion Ratio Lower Upper

200 100

173 25.7 9.5 49.5

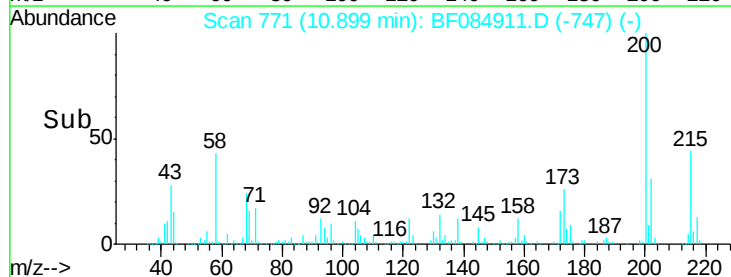
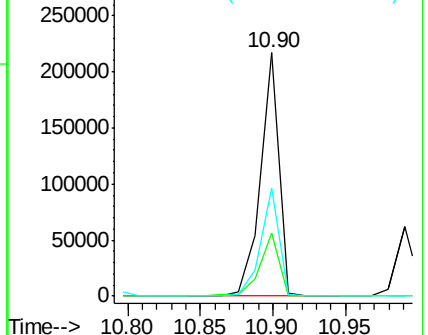
215 44.4 23.8 63.8

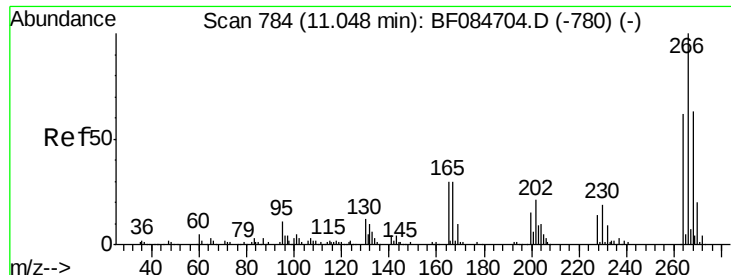


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

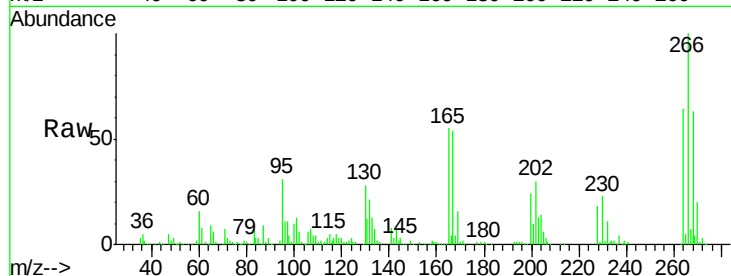




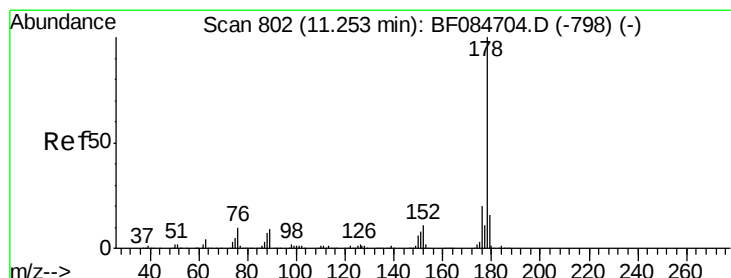
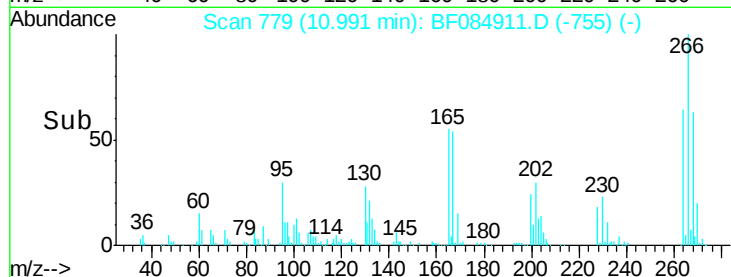
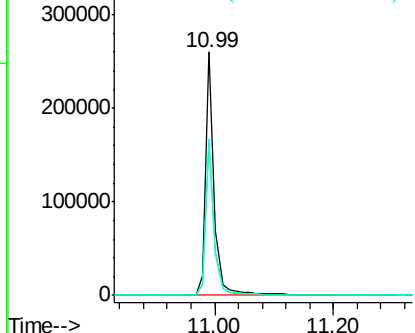
#69  
 Pentachlorophenol  
 Concen: 95.85 ng  
 RT: 10.99 min Scan# 779  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion:266 Resp: 270133  
 Ion Ratio Lower Upper  
 266 100  
 268 63.5 52.4 78.6  
 264 64.4 50.2 75.2

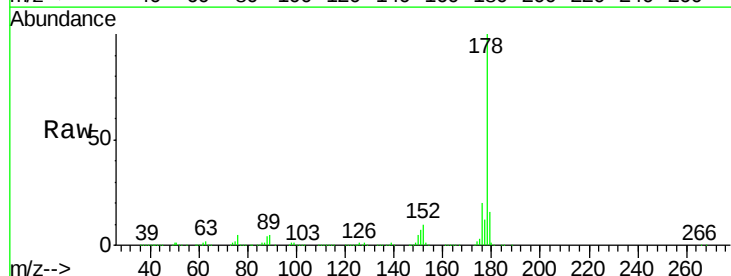


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

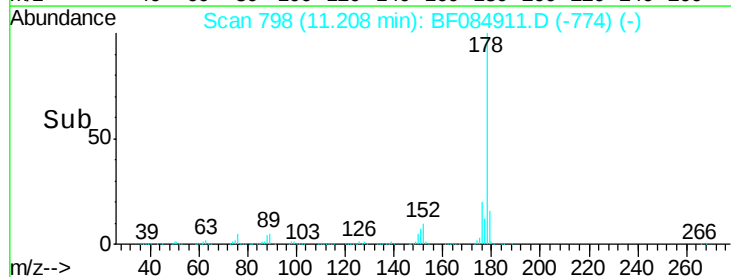
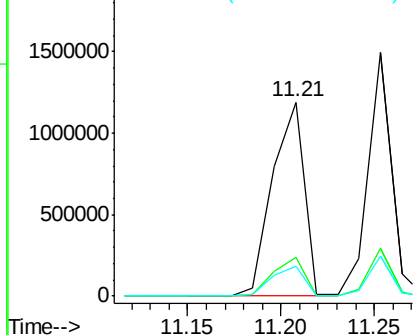


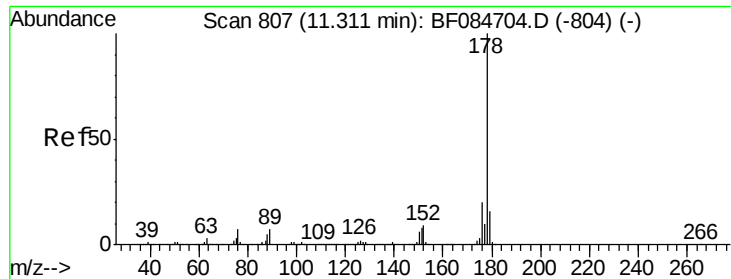
#70  
 Phenanthrene  
 Concen: 50.96 ng  
 RT: 11.21 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:178 Resp: 1408303  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.3 22.9  
 179 15.6 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

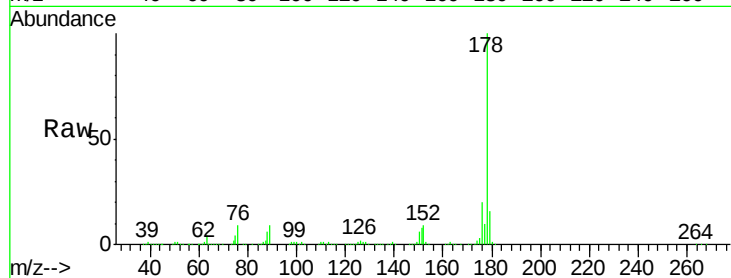




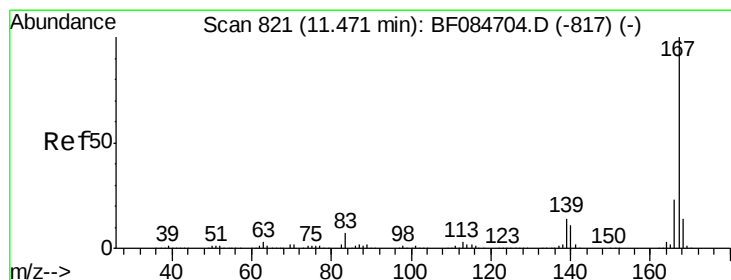
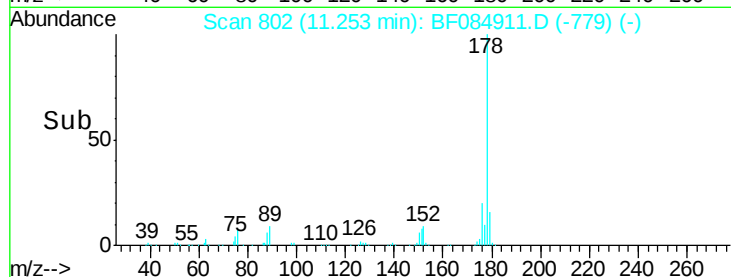
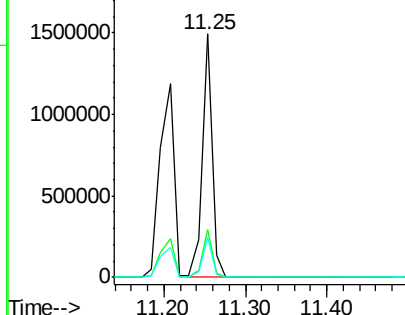
#71  
 Anthracene  
 Concen: 46.24 ng  
 RT: 11.25 min Scan# 802  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion:178 Resp: 1287677  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.4 23.0  
 179 16.2 12.5 18.7

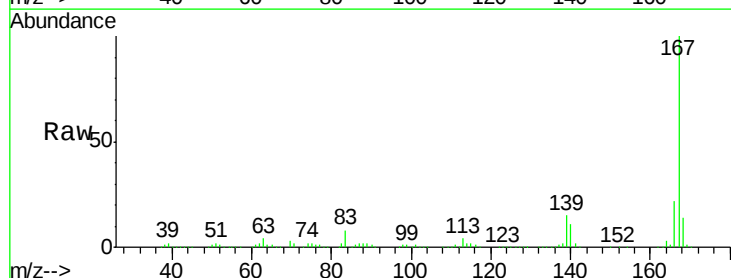


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

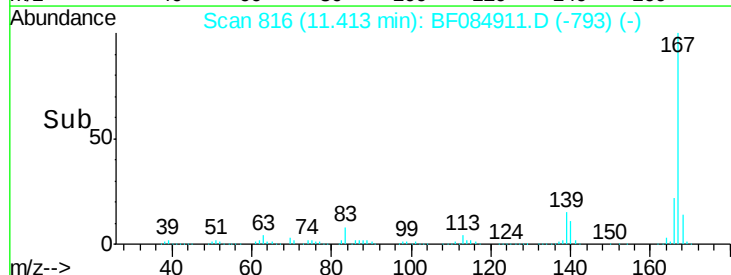
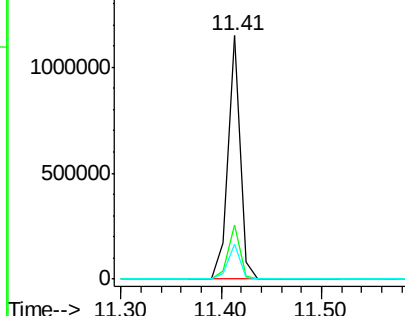


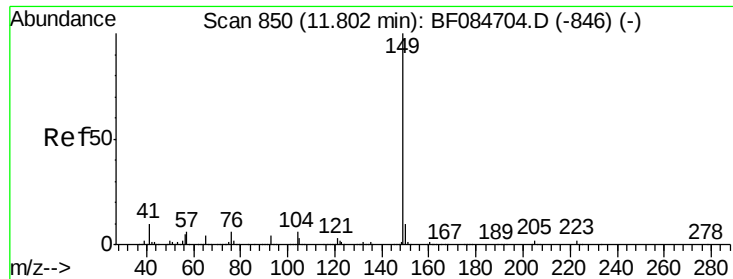
#72  
 Carbazole  
 Concen: 39.97 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:167 Resp: 970656  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.6 26.4  
 139 14.6 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: 51.25 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

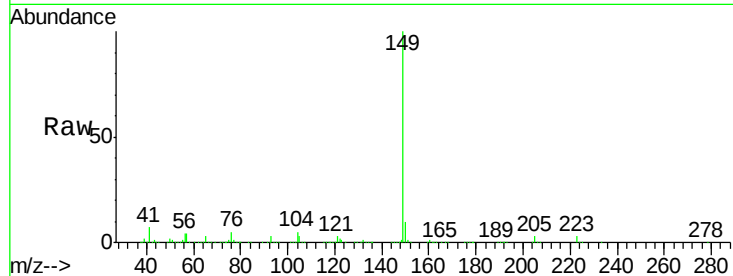
Tgt Ion:149 Resp: 1584276

Ion Ratio Lower Upper

149 100

150 9.6 7.1 10.7

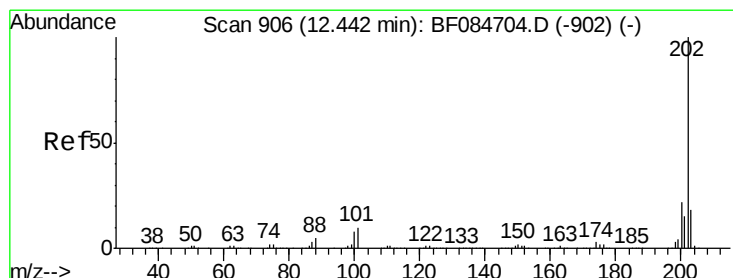
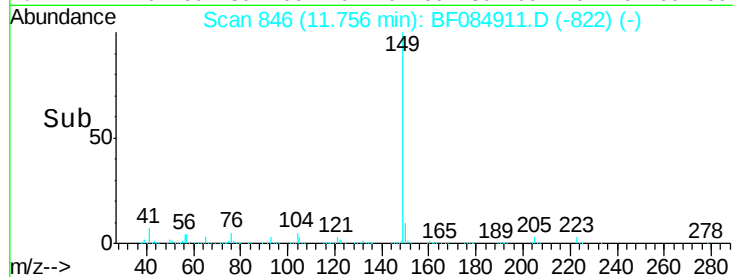
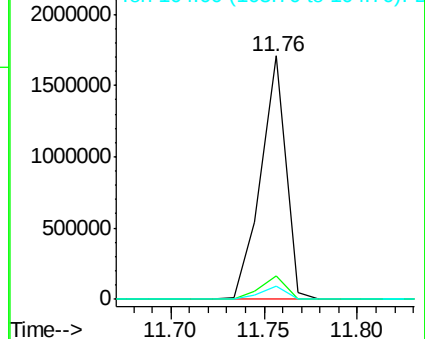
104 5.3 3.2 4.8#



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: 42.68 ng

RT: 12.38 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

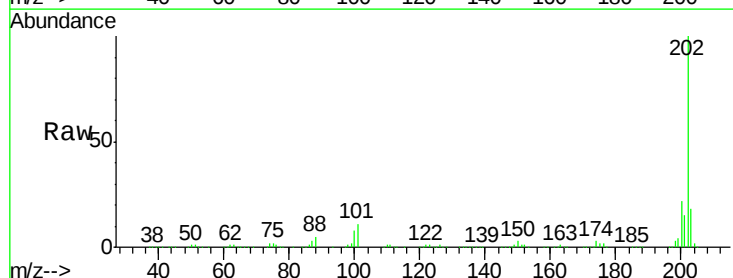
Tgt Ion:202 Resp: 1193709

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.8

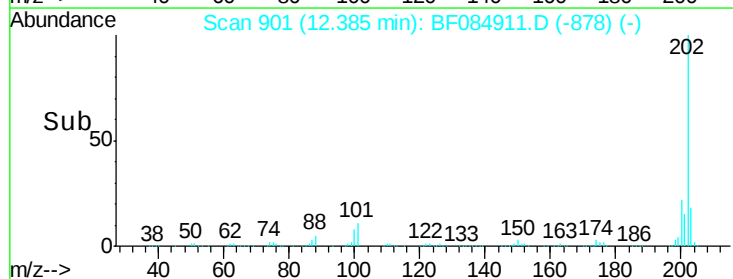
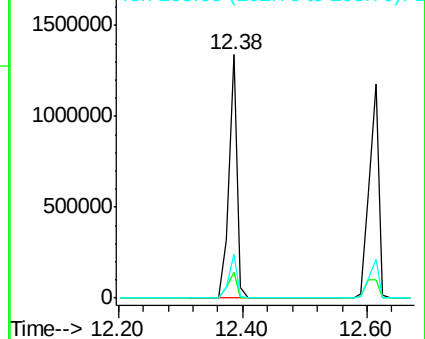
203 18.2 0.0 37.9

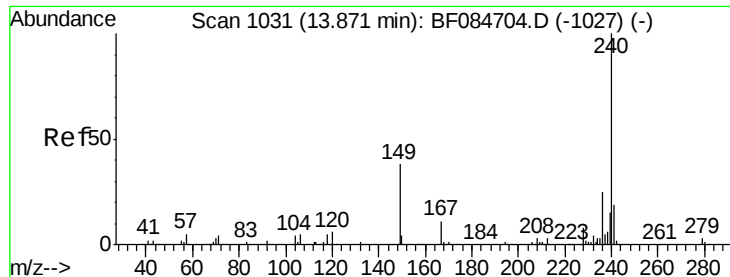


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

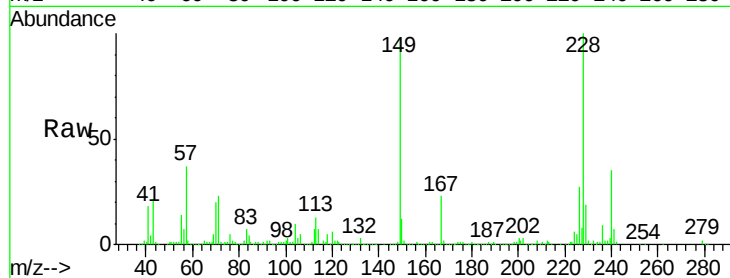
Tgt Ion:240 Resp: 282733

Ion Ratio Lower Upper

240 100

120 17.1 9.5 14.3#

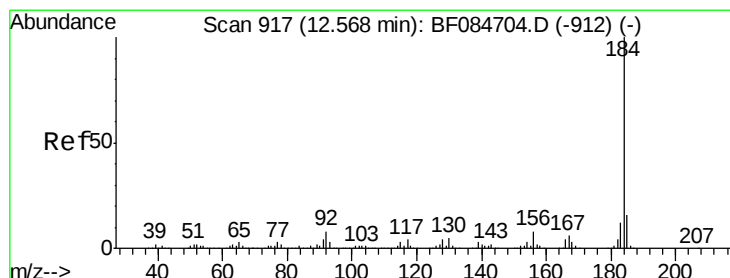
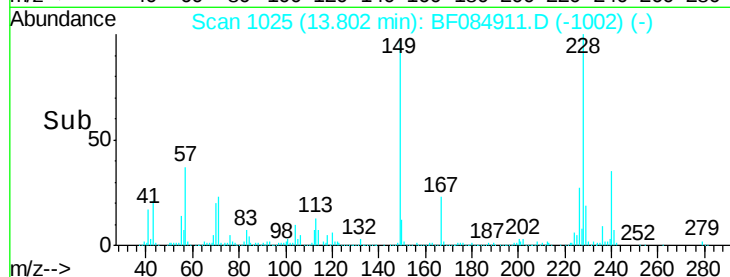
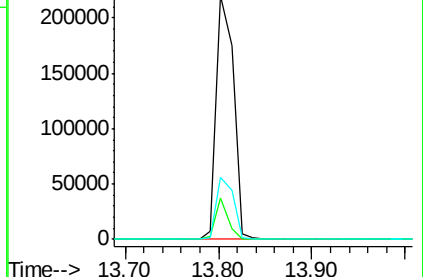
236 25.3 20.6 31.0



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: 9.27 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

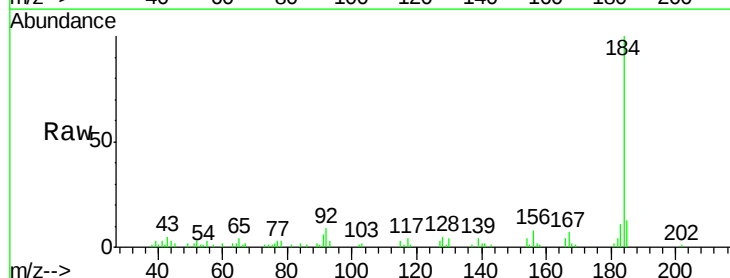
Tgt Ion:184 Resp: 35450

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.2

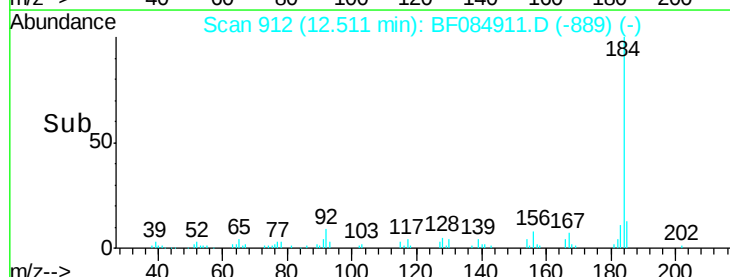
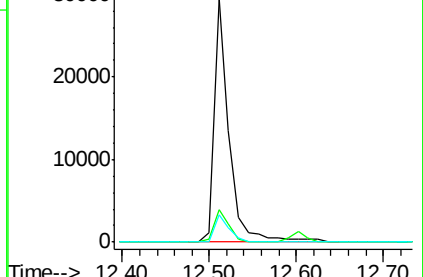
183 11.2 9.8 14.8

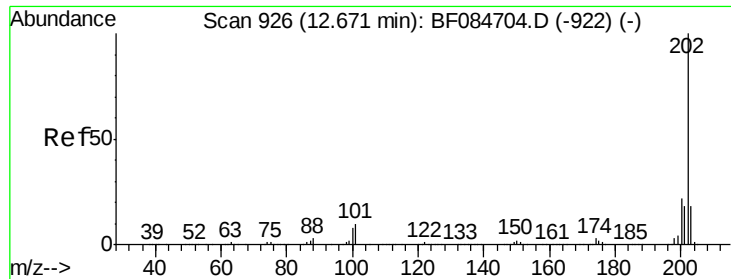


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

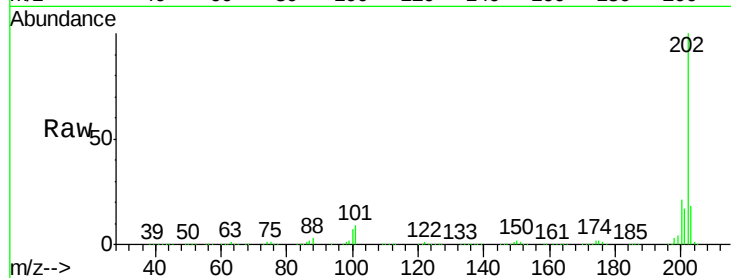




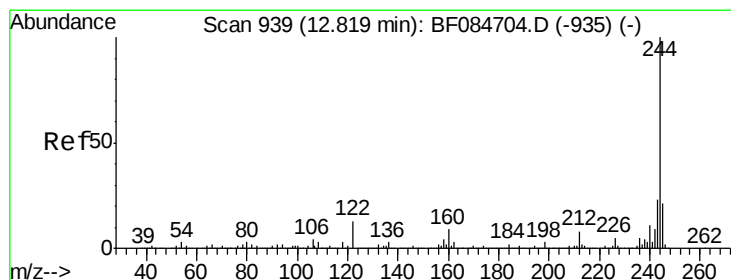
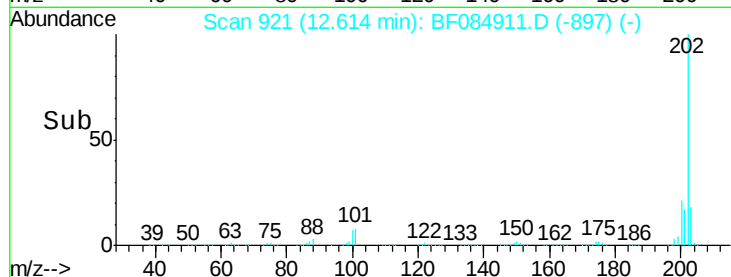
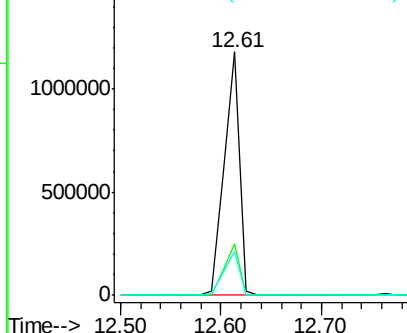
#77  
 Pyrene  
 Concen: 57.26 ng  
 RT: 12.61 min Scan# 921  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Tgt Ion:202 Resp: 1239566  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 17.2 25.8  
 203 17.9 14.3 21.5

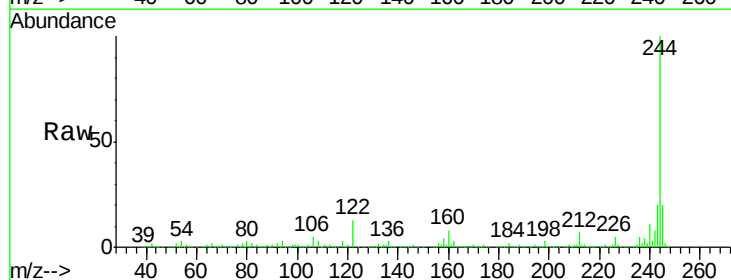


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

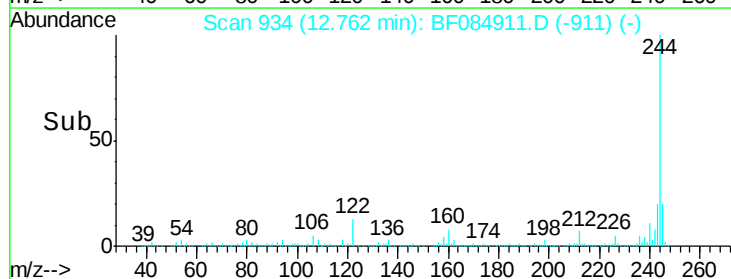
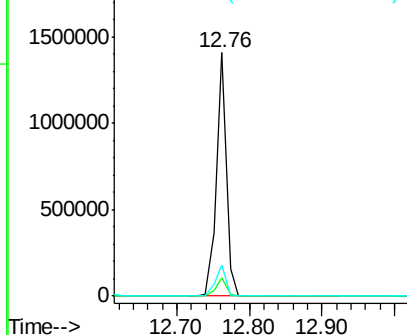


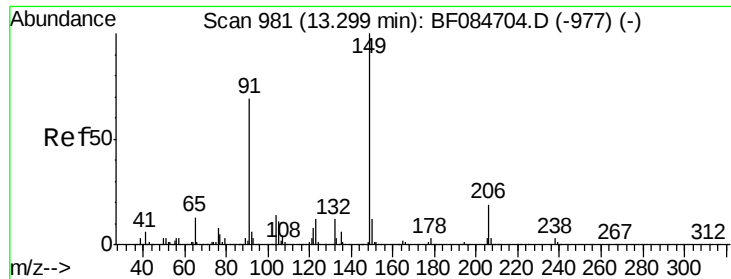
#78  
 Terphenyl-d14  
 Concen: 107.36 ng  
 RT: 12.76 min Scan# 934  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:244 Resp: 1339536  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.7 8.5  
 122 12.9 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

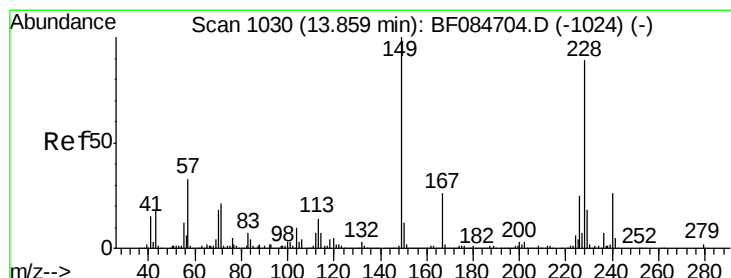
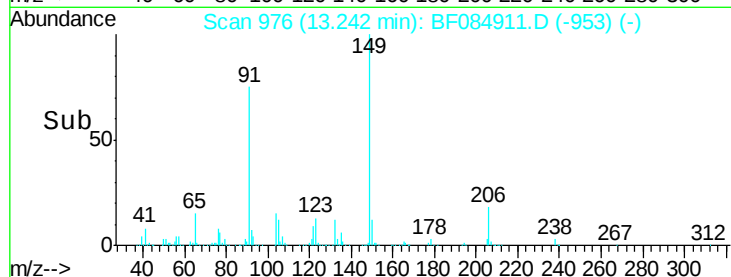
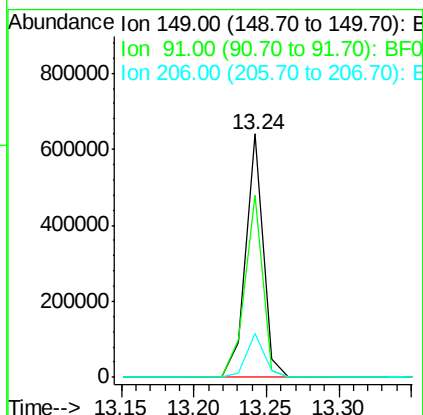
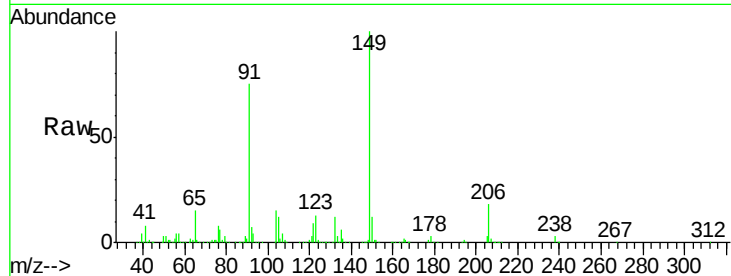




#79  
Butylbenzylphthalate  
Concen: 54.59 ng  
RT: 13.24 min Scan# 976  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

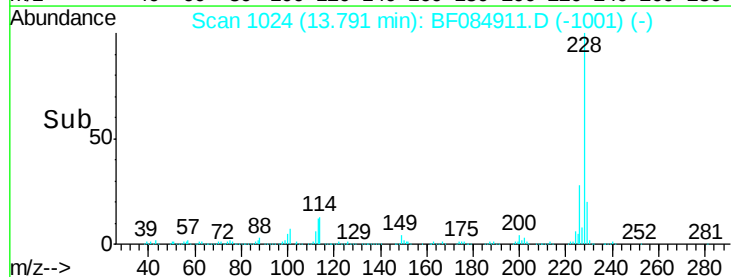
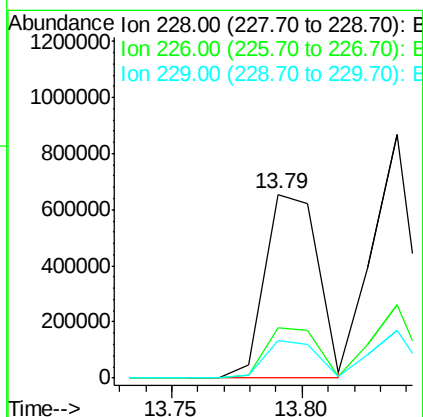
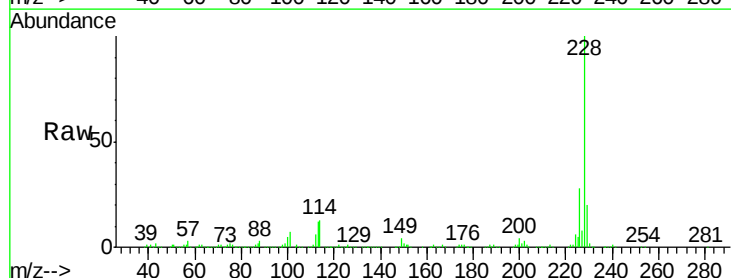
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

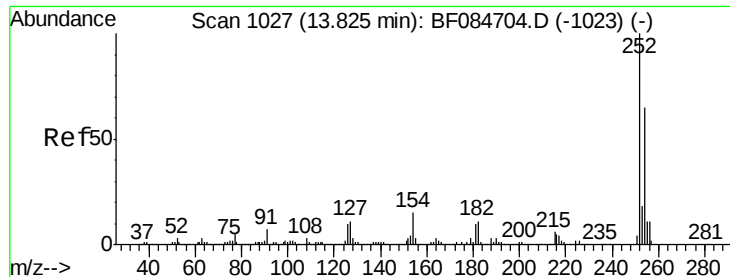
Tgt Ion:149 Resp: 536040  
Ion Ratio Lower Upper  
149 100  
91 75.1 57.6 86.4  
206 18.0 13.2 19.8



#80  
Benzo(a)anthracene  
Concen: 52.40 ng  
RT: 13.79 min Scan# 1024  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:228 Resp: 919546  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.8 32.6  
229 20.2 15.8 23.8

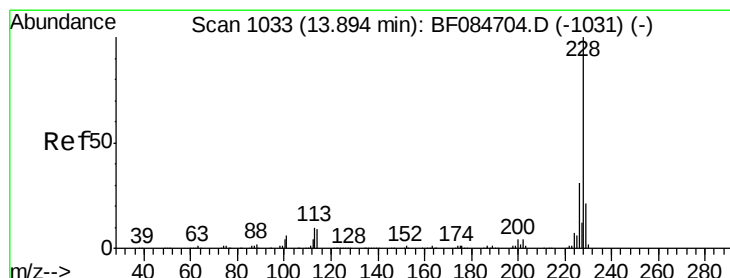
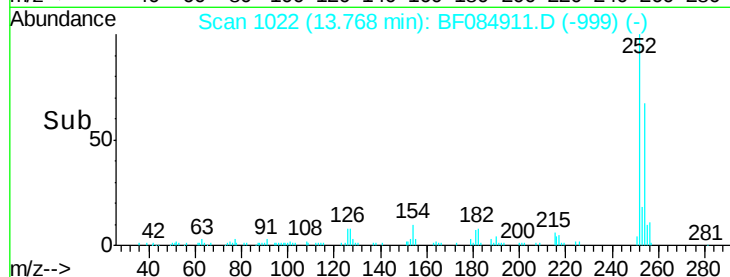
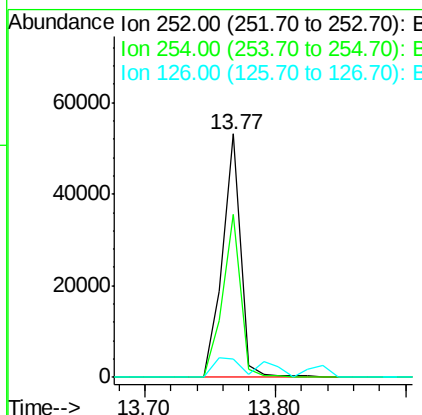
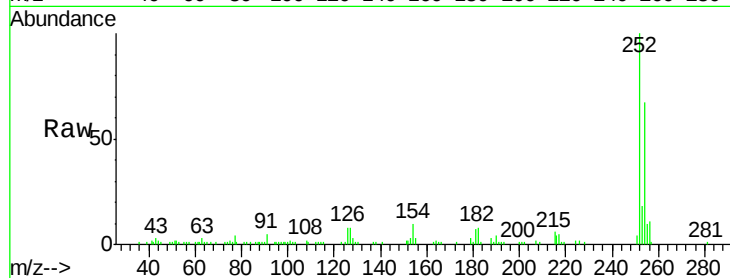




#81  
 3,3'-Dichlorobenzidine  
 Concen: 8.44 ng  
 RT: 13.77 min Scan# 1022  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

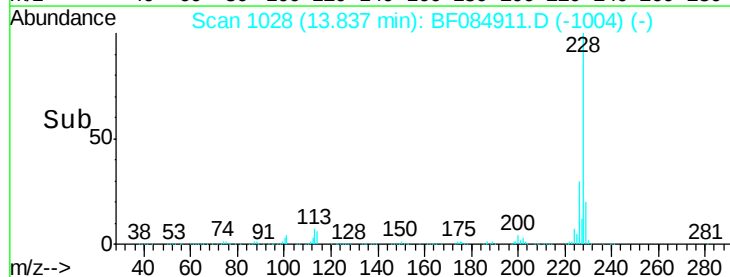
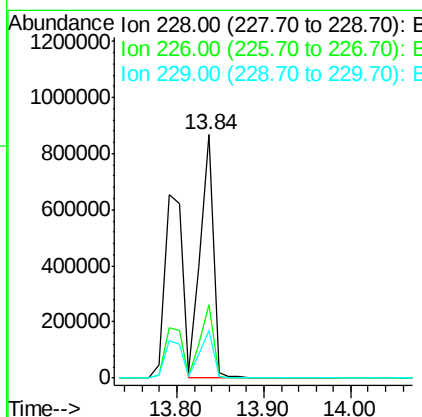
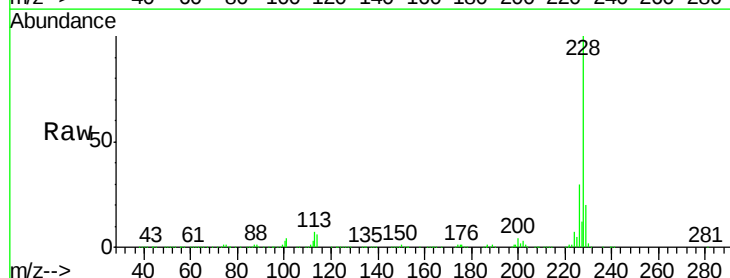
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

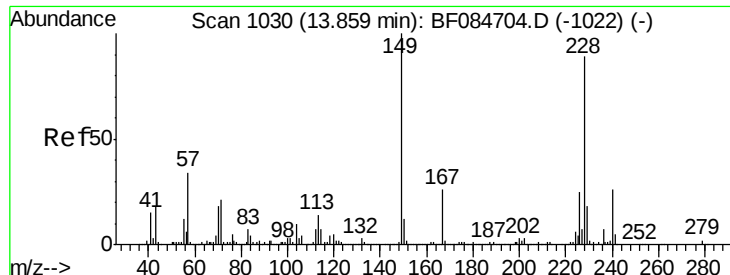
Tgt Ion:252 Resp: 52430  
 Ion Ratio Lower Upper  
 252 100  
 254 66.8 53.5 80.3  
 126 7.6 4.9 7.3#



#82  
 Chrysene  
 Concen: 52.48 ng  
 RT: 13.84 min Scan# 1028  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Tgt Ion:228 Resp: 893030  
 Ion Ratio Lower Upper  
 228 100  
 226 30.0 24.3 36.5  
 229 19.6 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 55.91 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

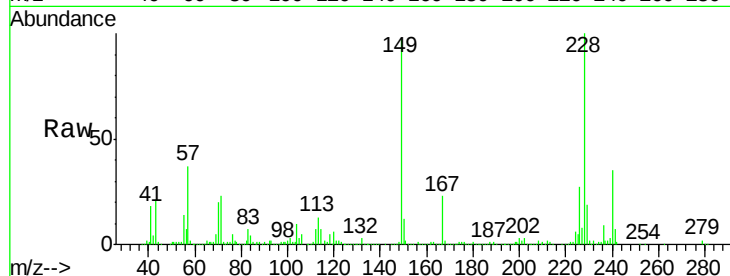
Tgt Ion:149 Resp: 683250

Ion Ratio Lower Upper

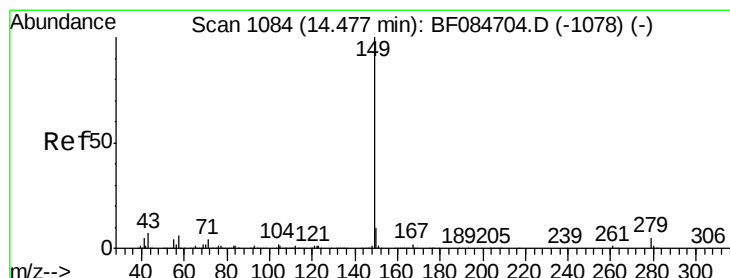
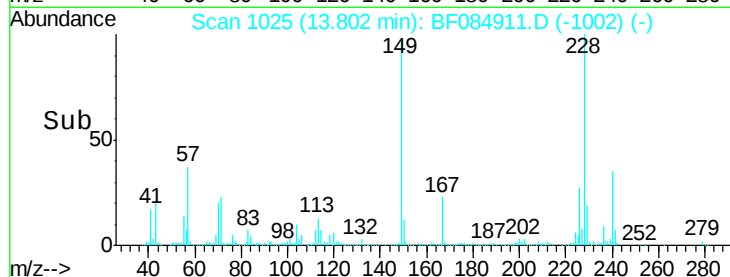
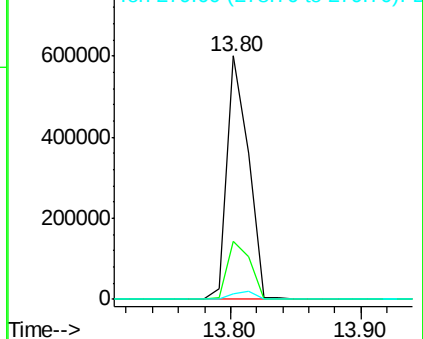
149 100

167 24.1 19.7 29.5

279 2.1 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: 58.41 ng

RT: 14.42 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

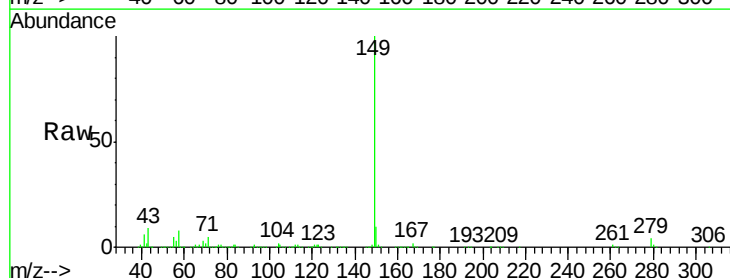
Tgt Ion:149 Resp: 1177635

Ion Ratio Lower Upper

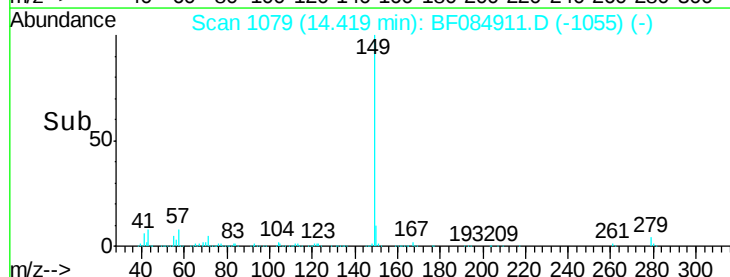
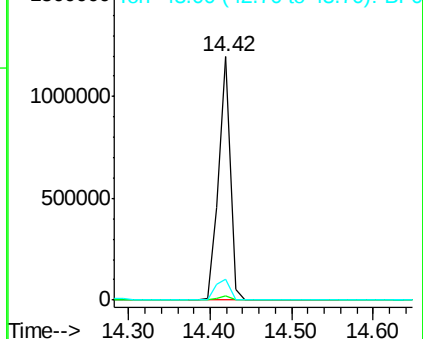
149 100

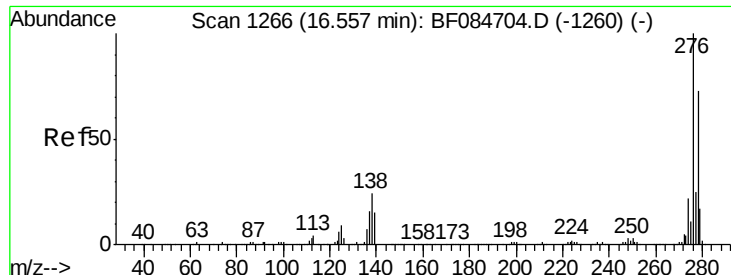
167 1.5 1.2 1.8

43 11.1 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

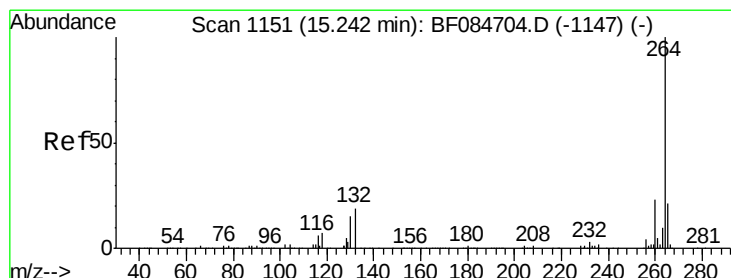
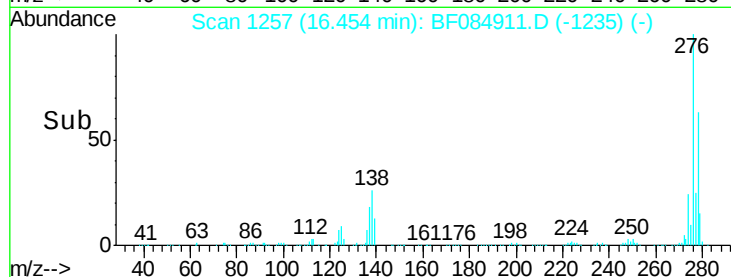
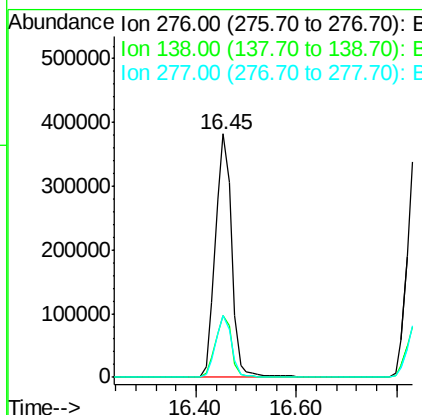
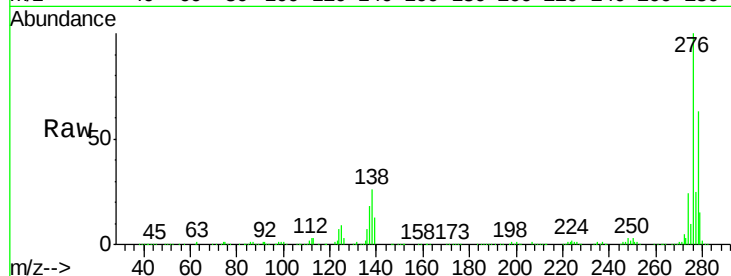




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 64.50 ng  
 RT: 16.45 min Scan# 1257  
 Delta R.T. -0.05 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

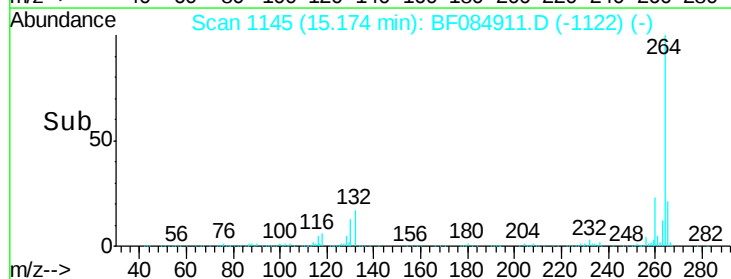
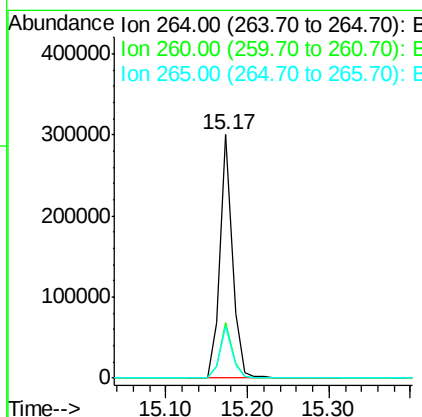
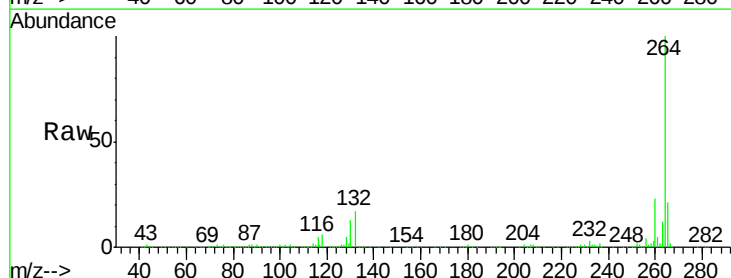
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

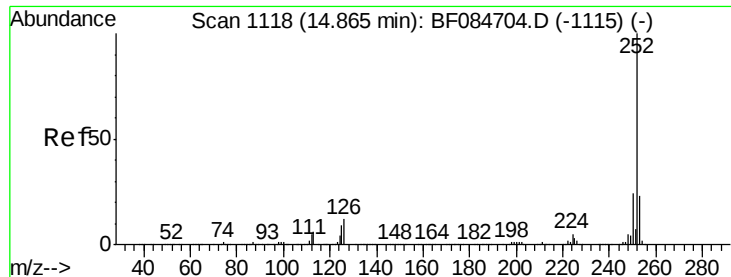
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.5  | 20.6  | 30.8  |
| 277     | 25.1  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 1145  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 19.4  | 29.2  |
| 265     | 21.1  | 17.8  | 26.6  |

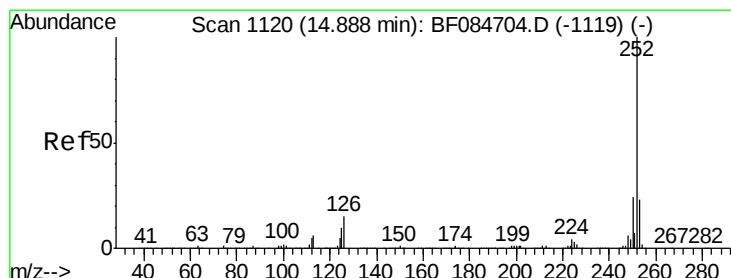
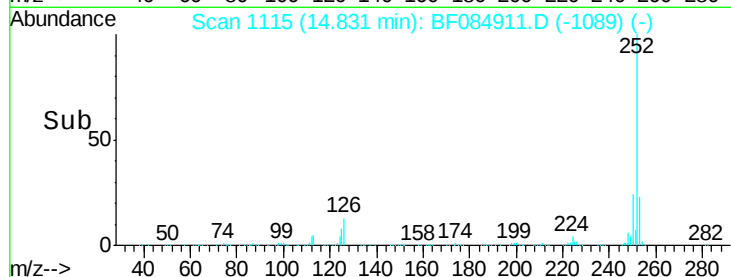
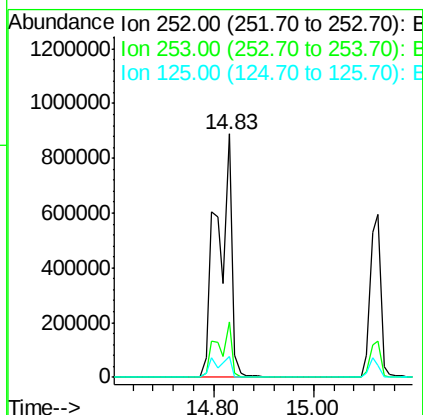
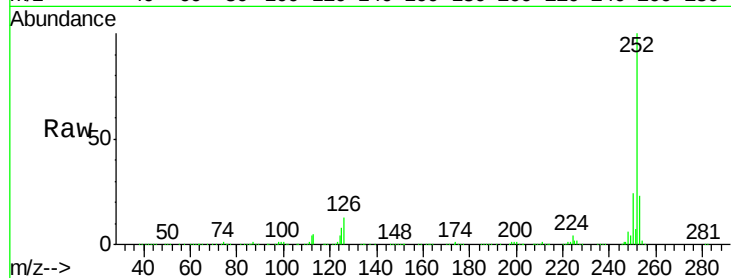




#87  
Benzo(b)fluoranthene  
Concen: 84.07 ng  
RT: 14.83 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

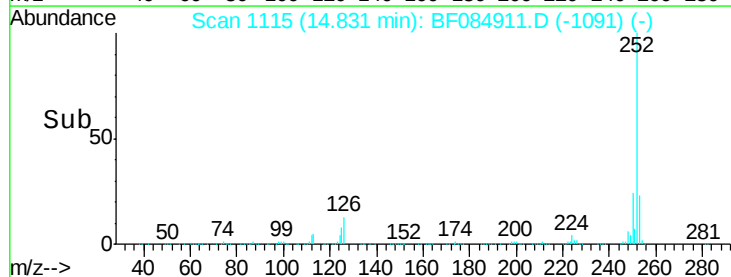
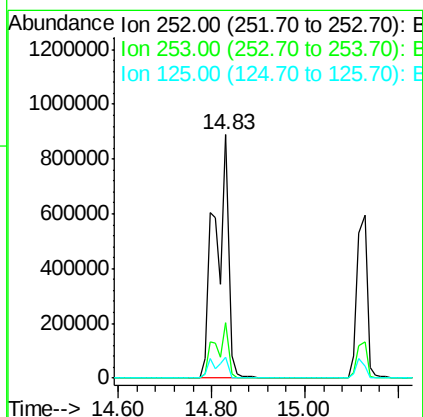
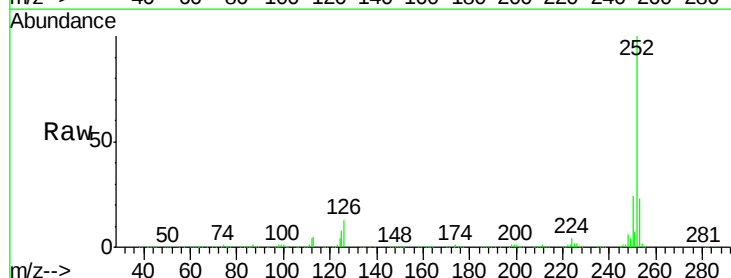
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tgt Ion:252 Resp: 1799045  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.3 25.9  
125 8.4 6.5 9.7



#88  
Benzo(k)fluoranthene  
Concen: 101.71 ng  
RT: 14.83 min Scan# 1115  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:252 Resp: 1799709  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.1 27.1  
125 8.4 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 48.03 ng

RT: 15.13 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

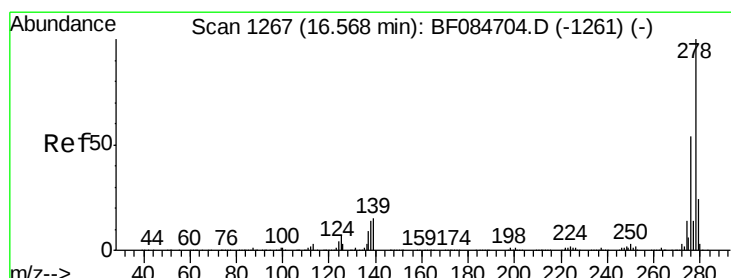
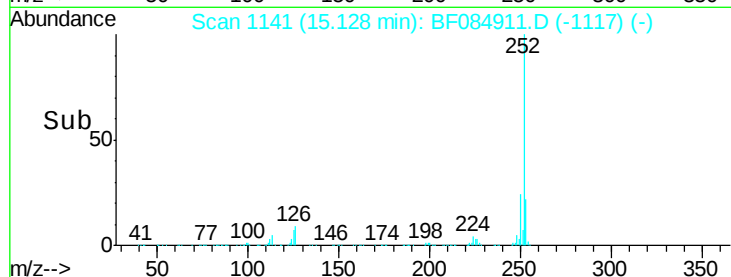
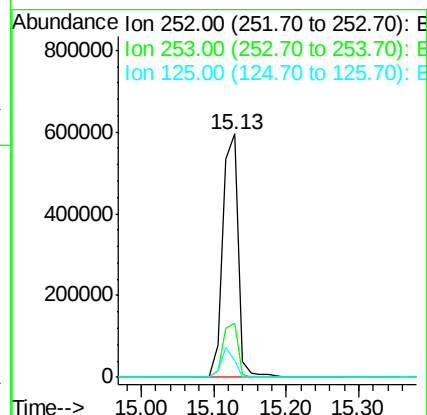
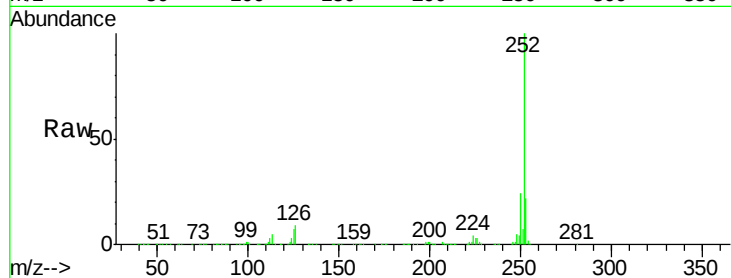
Tgt Ion:252 Resp: 875728

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 6.9 7.0 10.4#



#90

Dibenzo(a,h)anthracene

Concen: 47.83 ng

RT: 16.47 min Scan# 1258

Delta R.T. -0.05 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

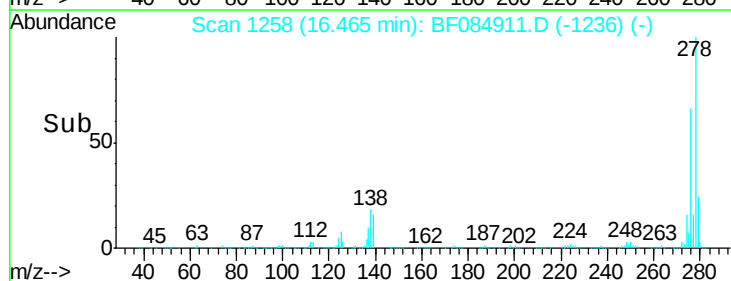
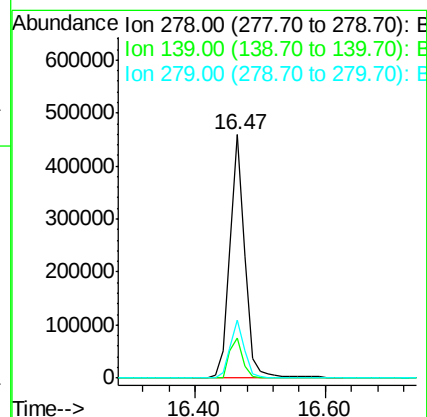
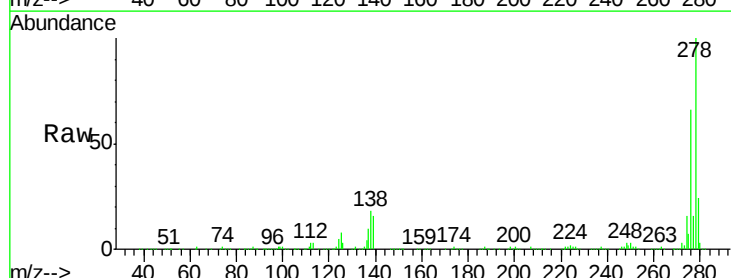
Tgt Ion:278 Resp: 734132

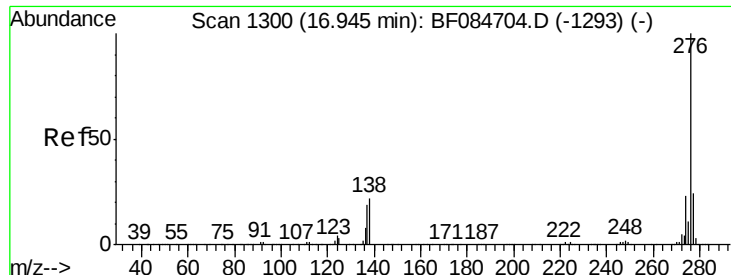
Ion Ratio Lower Upper

278 100

139 16.3 15.0 22.4

279 23.8 18.9 28.3





#91  
 Benzo(g,h,i)perylene  
 Concen: 45.79 ng  
 RT: 16.83 min Scan# 1290  
 Delta R.T. -0.06 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.8  | 28.2  |
| 138     | 23.4  | 17.8  | 26.6  |

