

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122415\  
 Data File : BF084094.D  
 Acq On : 24 Dec 2015 22:23  
 Operator : UM/SJ  
 Sample : PB87153BSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Quant Time: Dec 25 01:46:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 16:48:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 48778    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 190944   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.84  | 164  | 91874    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 168625   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.96 | 240  | 128764   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.38 | 264  | 98263    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 346409 | 120.40 | ng | 0.01 |
| 7) Phenol-d6             | 6.45  | 99  | 396630 | 111.41 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 258811 | 79.34  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 115498 | 117.89 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.16  | 172 | 517367 | 77.05  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.90 | 244 | 454172 | 63.82  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.43 | 88  | 38379  | 32.55 | ng | # 95   |
| 3) Pyridine                    | 3.15 | 79  | 107123 | 37.20 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.09 | 42  | 48592  | 38.29 | ng | 95     |
| 6) Aniline                     | 6.46 | 93  | 103942 | 23.10 | ng | # 30   |
| 8) 2-Chlorophenol              | 6.59 | 128 | 142264 | 39.82 | ng | 95     |
| 9) Benzaldehyde                | 6.35 | 77  | 12031  | 6.32  | ng | 96     |
| 10) Phenol                     | 6.46 | 94  | 143102 | 35.15 | ng | # 76   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 112197 | 38.21 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146 | 146163 | 37.47 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.74 | 146 | 146163 | 37.24 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 139538 | 38.58 | ng | 99     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 114402 | 42.43 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45  | 103510 | 36.09 | ng | 58     |
| 17) 2-Methylphenol             | 7.07 | 107 | 105391 | 38.42 | ng | # 90   |
| 18) Hexachloroethane           | 7.31 | 117 | 54444  | 38.00 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 85729  | 39.10 | ng | # 90   |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 144109 | 41.18 | ng | # 48   |
| 22) Acetophenone               | 7.21 | 105 | 181977 | 38.14 | ng | # 93   |
| 24) Nitrobenzene               | 7.39 | 77  | 126577 | 36.54 | ng | # 83   |
| 25) Isophorone                 | 7.63 | 82  | 233139 | 38.64 | ng | # 94   |
| 26) 2-Nitrophenol              | 7.70 | 139 | 69276  | 39.08 | ng | # 80   |
| 27) 2,4-Dimethylphenol         | 7.76 | 122 | 123899 | 42.11 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93  | 139746 | 39.72 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 110843 | 40.56 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 115073 | 38.43 | ng | 97     |
| 31) Naphthalene                | 8.11 | 128 | 391043 | 38.49 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 60296  | 42.74 | ng | 97     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 62809  | 15.54 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 64284  | 37.64 | ng | 99     |
| 35) Caprolactam                | 8.58 | 113 | 12496  | 16.49 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 128264 | 41.75 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 261913 | 41.19 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 117503 | 40.57 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.96 | 237 | 68246  | 80.62 | ng | 97     |

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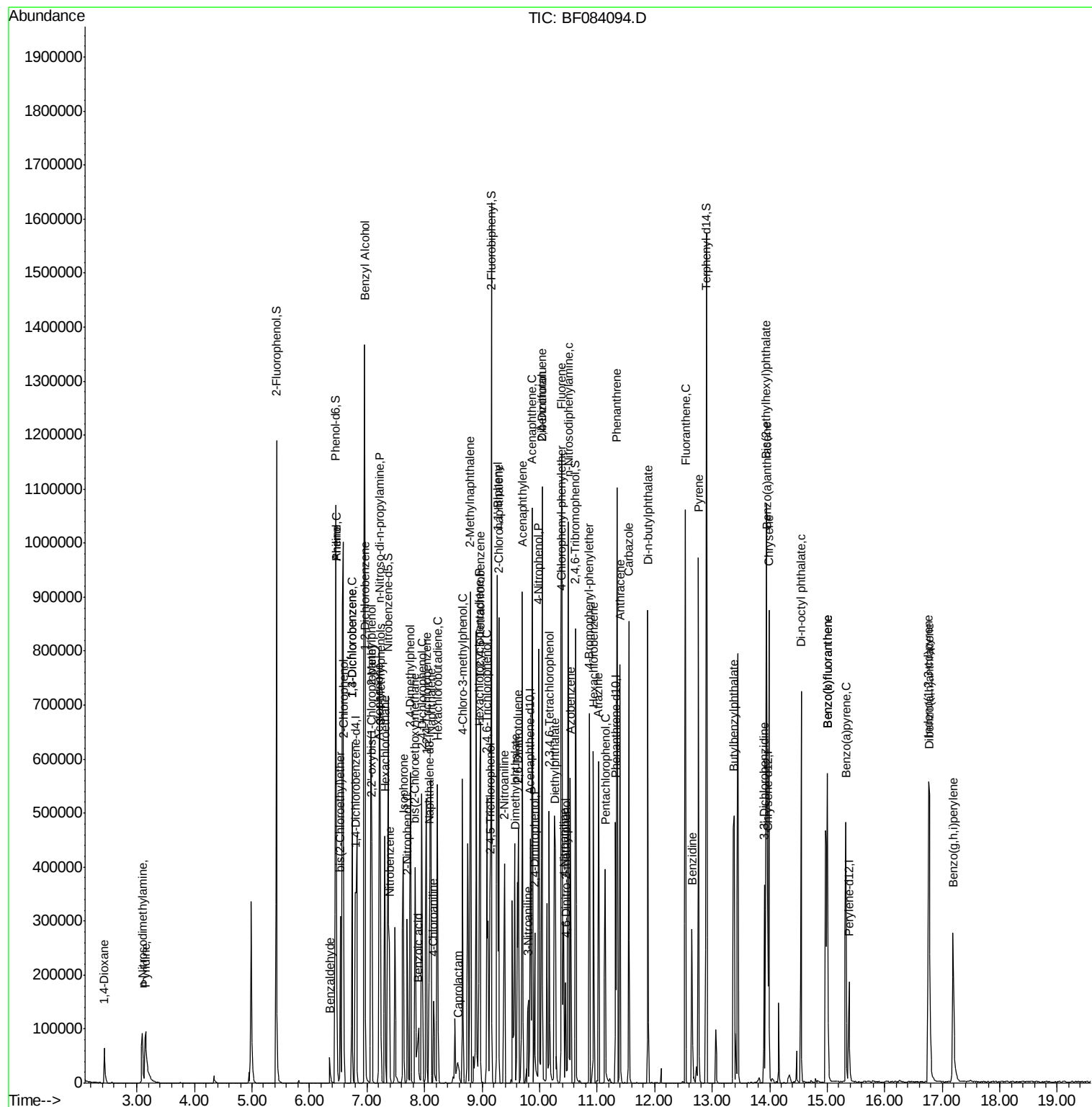
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.08  | 196  | 70043    | 37.09  | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.14  | 196  | 71476    | 37.81  | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.26  | 154  | 335248   | 40.39  | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.29  | 162  | 253020   | 40.10  | ng    | 95       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 73252    | 43.69  | ng    | # 63     |
| 48) Acenaphthylene             | 9.70  | 152  | 384351   | 37.09  | ng    | 99       |
| 49) Dimethylphthalate          | 9.57  | 163  | 296384   | 38.95  | ng    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 71105    | 44.02  | ng    | 90       |
| 51) Acenaphthene               | 9.87  | 154  | 232085   | 38.51  | ng    | 100      |
| 52) 3-Nitroaniline             | 9.80  | 138  | 38770    | 22.37  | ng    | # 68     |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 48659    | 78.27  | ng    | 94       |
| 54) Dibenzofuran               | 10.04 | 168  | 332528   | 40.12  | ng    | 91       |
| 55) 4-Nitrophenol              | 9.98  | 139  | 73744    | 83.35  | ng    | # 79     |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 87976    | 41.26  | ng    | # 87     |
| 57) Fluorene                   | 10.38 | 166  | 270596   | 38.41  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 57975    | 43.03  | ng    | 99       |
| 59) Diethylphthalate           | 10.27 | 149  | 291407   | 37.70  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 111912   | 34.45  | ng    | # 81     |
| 61) 4-Nitroaniline             | 10.42 | 138  | 72416    | 45.20  | ng    | 90       |
| 62) Azobenzene                 | 10.53 | 77   | 270035   | 42.40  | ng    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 39202    | 41.89  | ng    | 80       |
| 65) n-Nitrosodiphenylamine     | 10.50 | 169  | 255698   | 42.54  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.86 | 248  | 77030    | 39.43  | ng    | # 78     |
| 67) Hexachlorobenzene          | 10.93 | 284  | 82176    | 38.42  | ng    | # 73     |
| 68) Atrazine                   | 11.02 | 200  | 66643    | 36.81  | ng    | 99       |
| 69) Pentachlorophenol          | 11.14 | 266  | 57967    | 82.17  | ng    | 98       |
| 70) Phenanthrene               | 11.34 | 178  | 383841   | 38.40  | ng    | 98       |
| 71) Anthracene                 | 11.40 | 178  | 414506   | 39.65  | ng    | 99       |
| 72) Carbazole                  | 11.55 | 167  | 351765   | 39.56  | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.88 | 149  | 439498   | 38.36  | ng    | # 98     |
| 74) Fluoranthene               | 12.53 | 202  | 433223   | 40.76  | ng    | 96       |
| 76) Benzidine                  | 12.65 | 184  | 106898   | 24.43  | ng    | 99       |
| 77) Pyrene                     | 12.76 | 202  | 436943   | 39.33  | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.38 | 149  | 185707   | 40.38  | ng    | # 75     |
| 80) Benzo(a)anthracene         | 13.95 | 228  | 319446   | 40.33  | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 71756    | 29.92  | ng    | # 97     |
| 82) Chrysene                   | 13.99 | 228  | 274520   | 37.59  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 252208   | 42.45  | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.55 | 149  | 371022   | 44.38  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.76 | 276  | 283133   | 38.71  | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.00 | 252  | 525494   | 72.01  | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.00 | 252  | 525494   | 106.26 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 15.32 | 252  | 250822   | 41.72  | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.77 | 278  | 235923   | 40.21  | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 17.19 | 276  | 244183   | 40.78  | ng    | 98       |

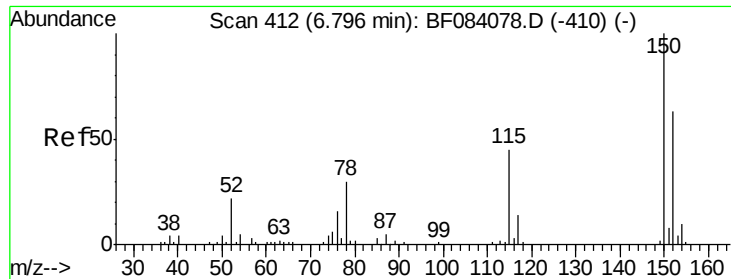
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

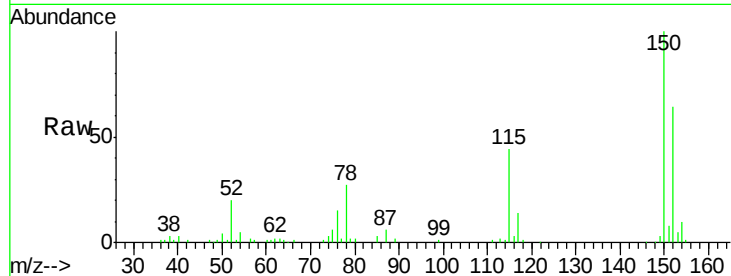
Tgt Ion:152 Resp: 48778

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

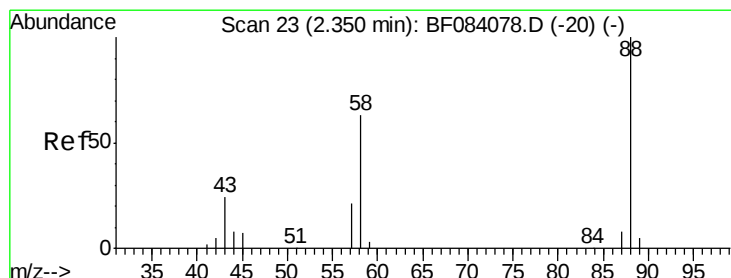
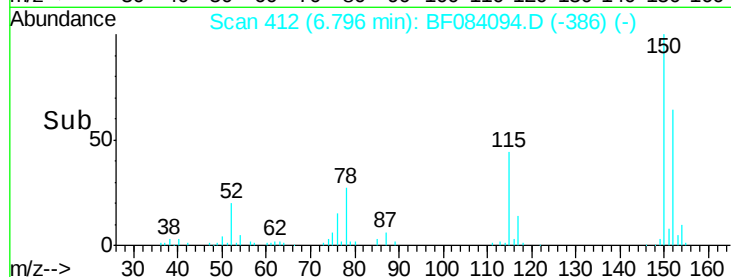
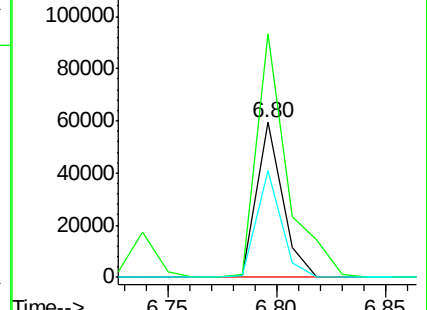
115 69.0 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.55 ng

RT: 2.43 min Scan# 30

Delta R.T. 0.08 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

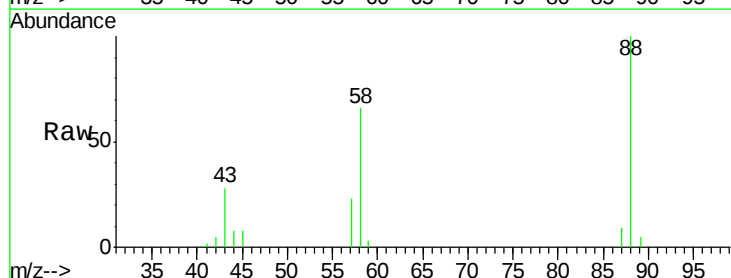
Tgt Ion: 88 Resp: 38379

Ion Ratio Lower Upper

88 100

58 63.8 51.2 76.8

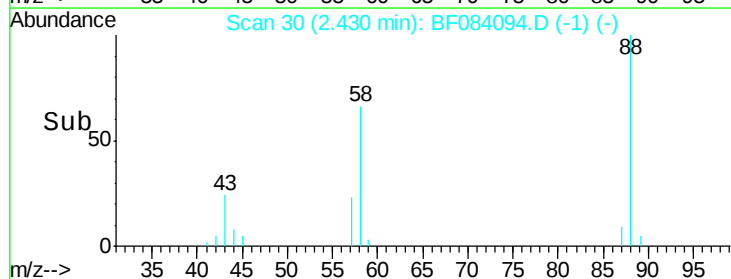
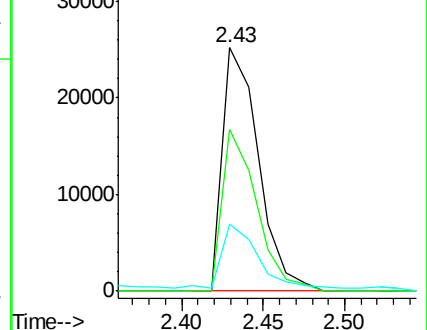
43 32.6 19.5 29.3#

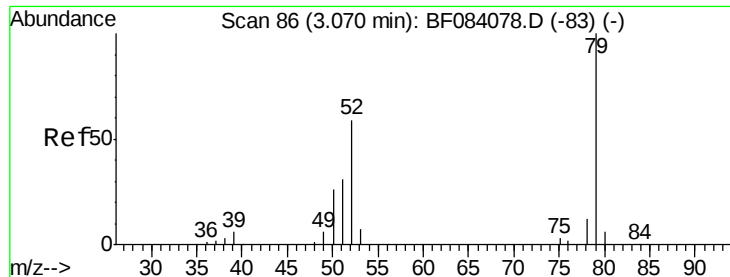


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.20 ng

RT: 3.15 min Scan# 93

Delta R.T. 0.08 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

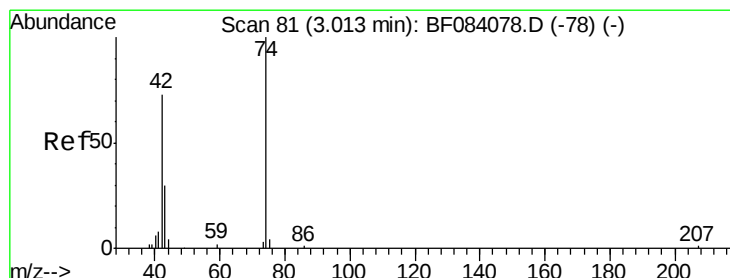
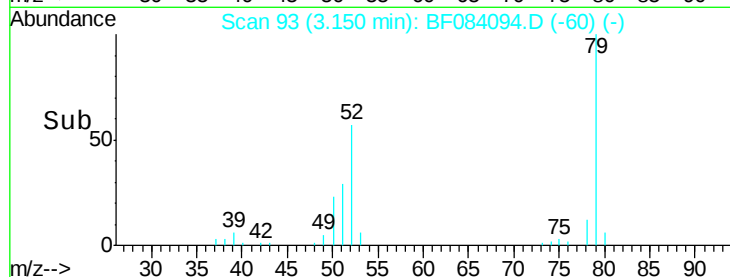
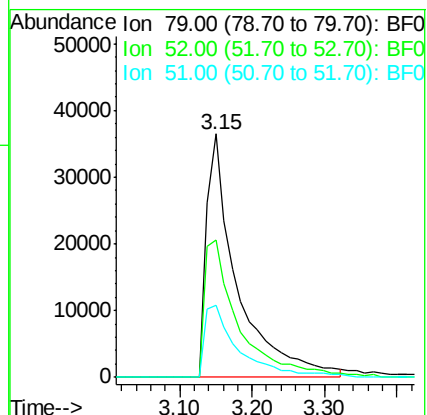
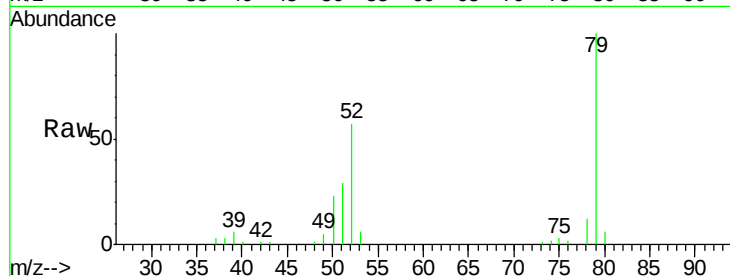
Tgt Ion: 79 Resp: 107123

Ion Ratio Lower Upper

79 100

52 56.6 49.0 73.4

51 29.4 25.2 37.8



#4

n-Nitrosodimethylamine

Concen: 38.29 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.08 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

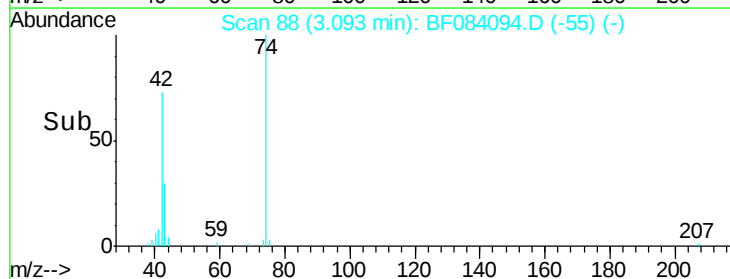
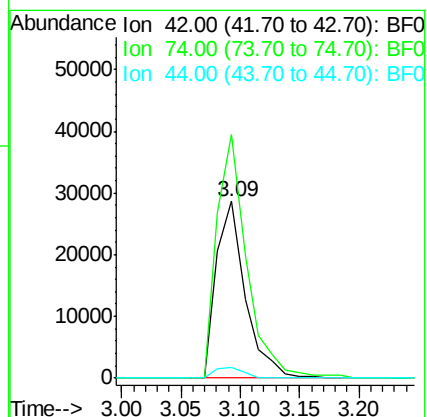
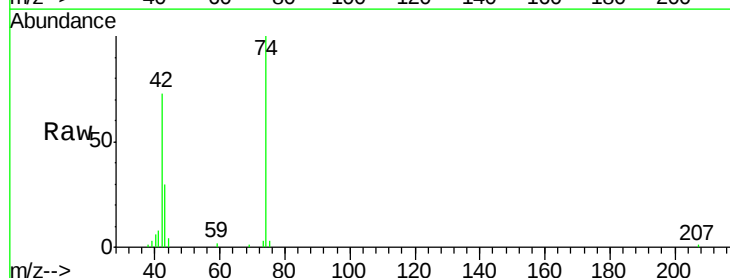
Tgt Ion: 42 Resp: 48592

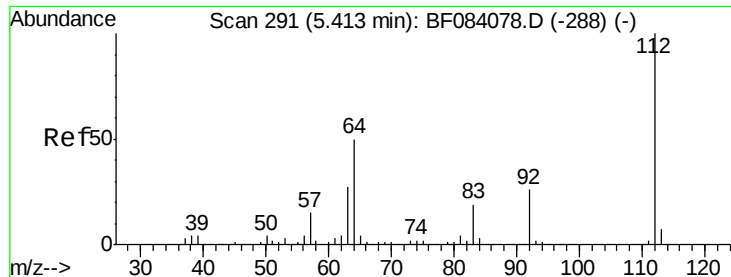
Ion Ratio Lower Upper

42 100

74 137.8 115.7 173.5

44 5.7 5.1 7.7





#5

2-Fluorophenol

Concen: 120.40 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

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Acq: 24 Dec 2015 22:23

Instrument :

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ClientSampleId :

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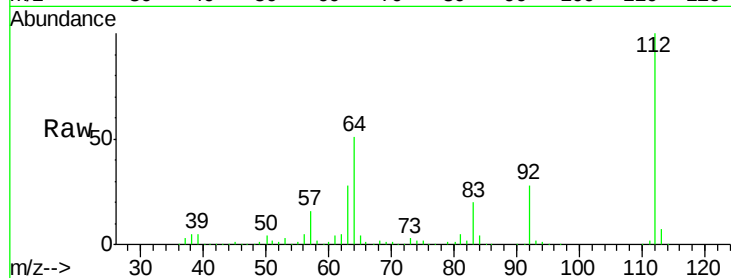
Tgt Ion: 112 Resp: 346409

Ion Ratio Lower Upper

112 100

64 51.0 36.6 55.0

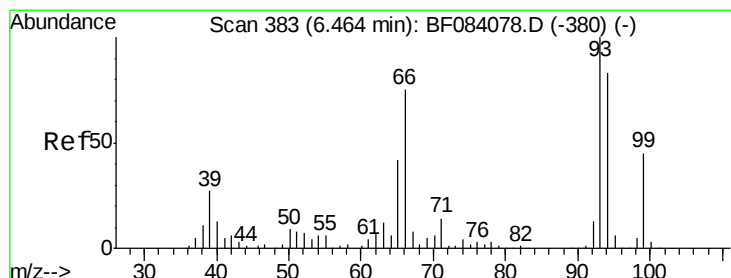
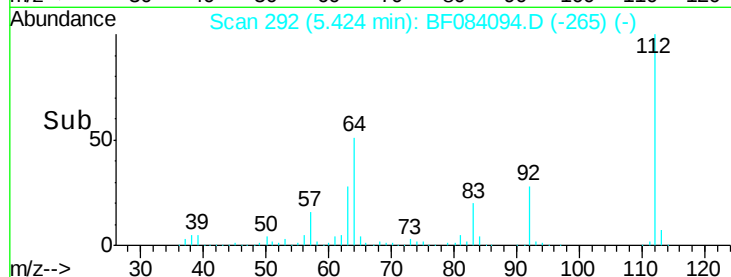
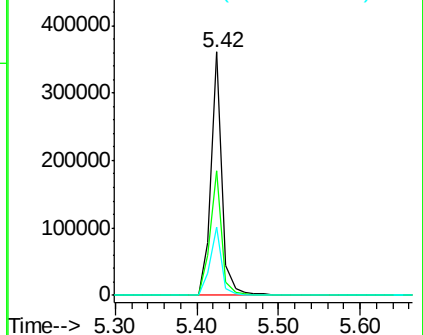
63 27.9 19.4 29.0



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: 23.10 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

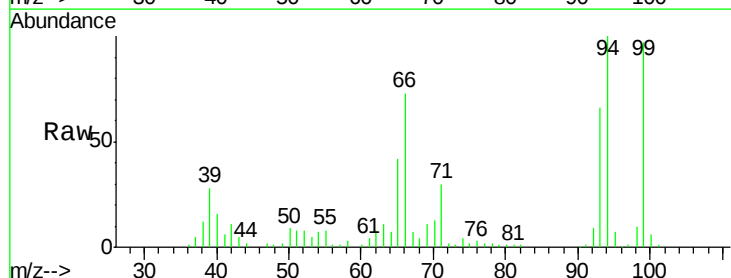
Tgt Ion: 93 Resp: 103942

Ion Ratio Lower Upper

93 100

66 110.4 44.9 67.3#

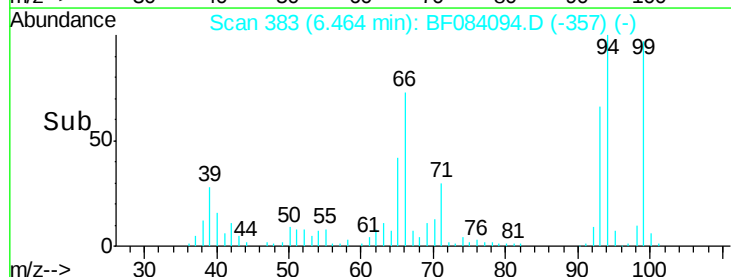
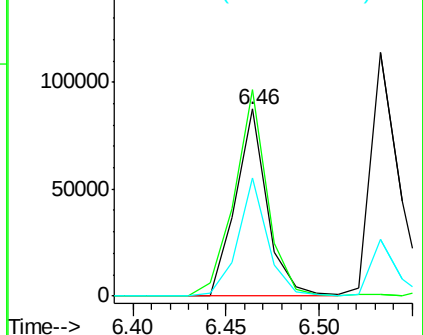
65 63.1 23.7 35.5#

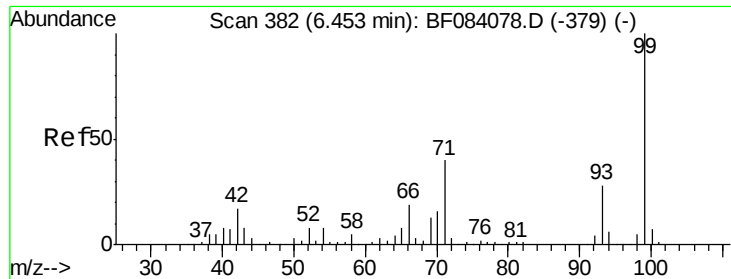


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.41 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

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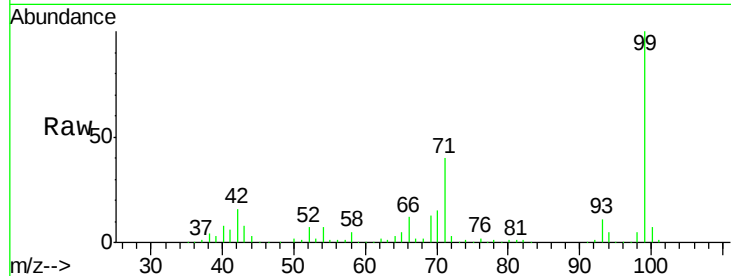
Tgt Ion: 99 Resp: 396630

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

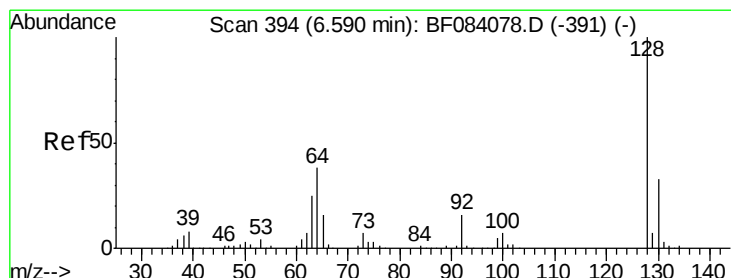
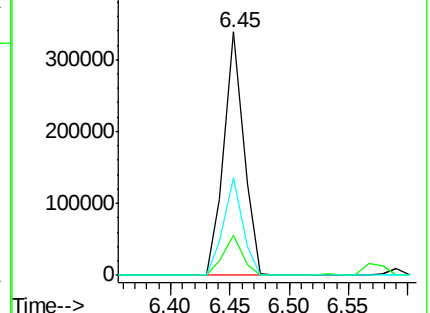
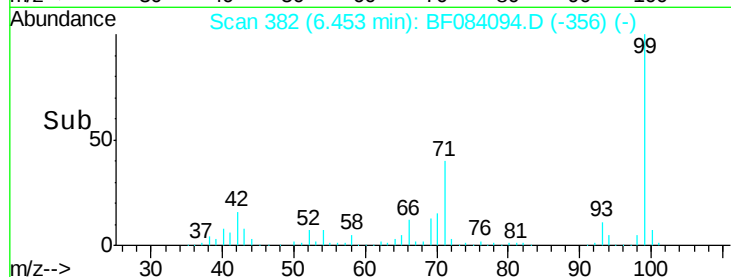
71 40.4 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.82 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

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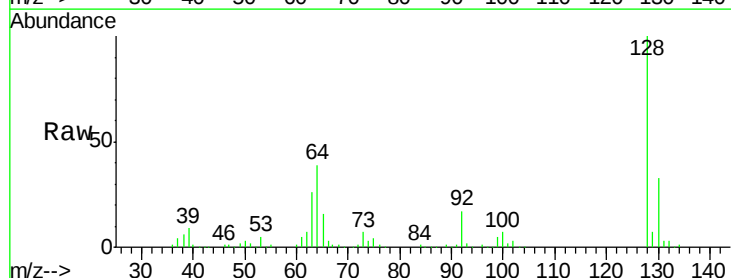
Tgt Ion: 128 Resp: 142264

Ion Ratio Lower Upper

128 100

130 32.7 11.6 51.6

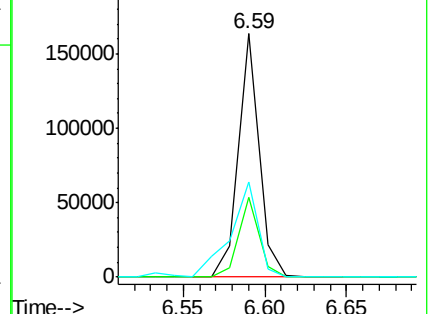
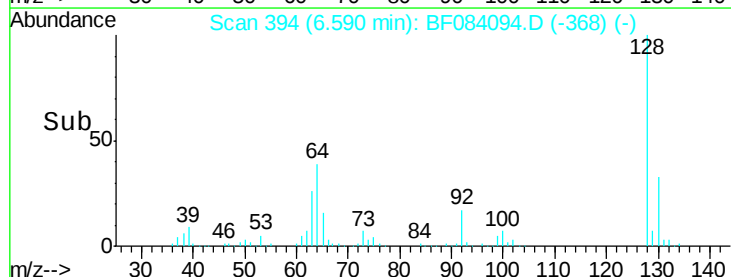
64 38.9 23.8 63.8

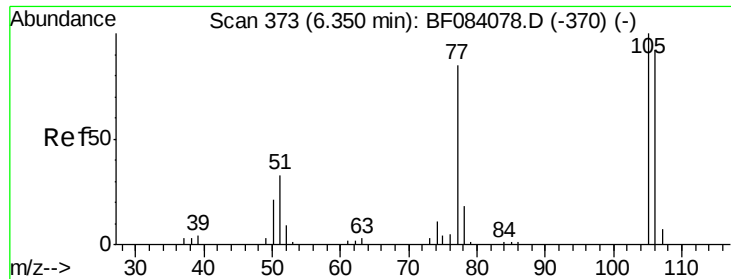


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 6.32 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

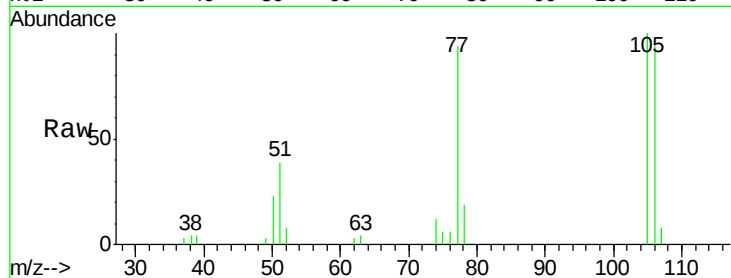
Tgt Ion: 77 Resp: 12031

Ion Ratio Lower Upper

77 100

105 105.8 83.0 123.0

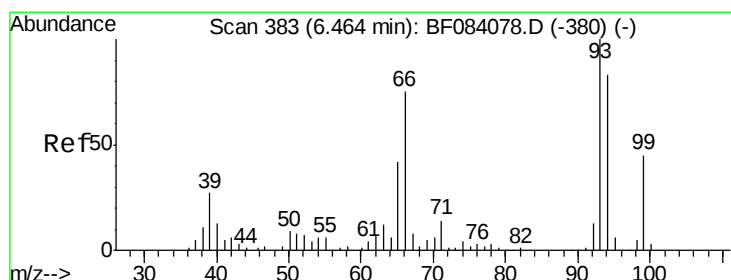
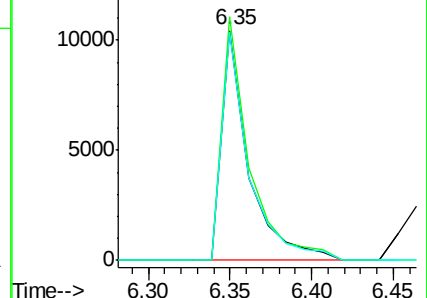
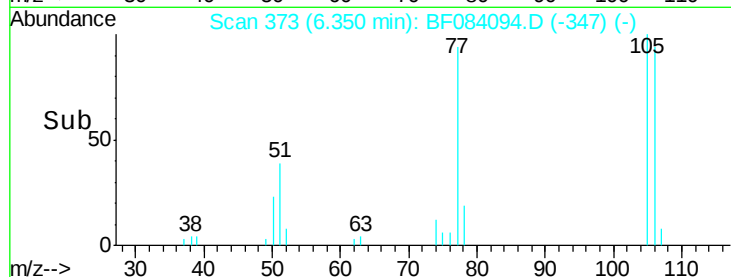
106 99.0 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 35.15 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

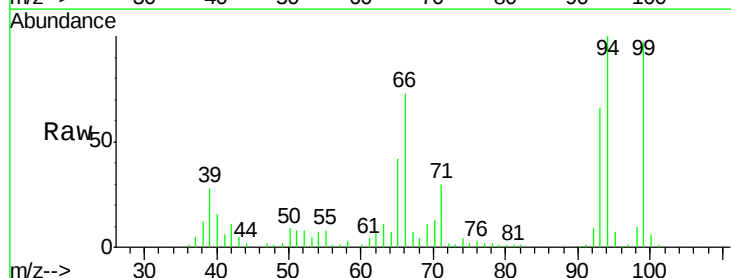
Tgt Ion: 94 Resp: 143102

Ion Ratio Lower Upper

94 100

65 41.7 12.9 52.9

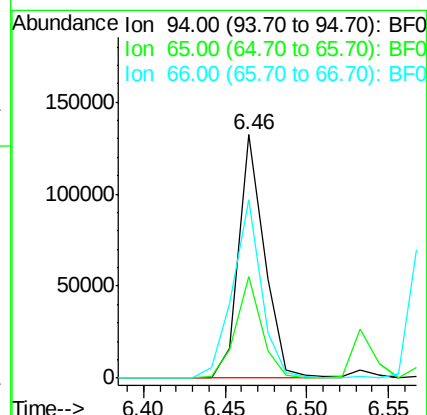
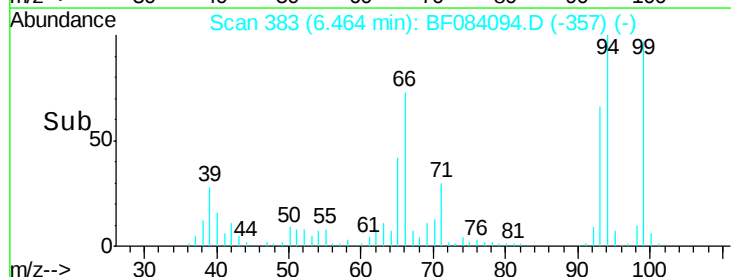
66 73.1 32.7 72.7#

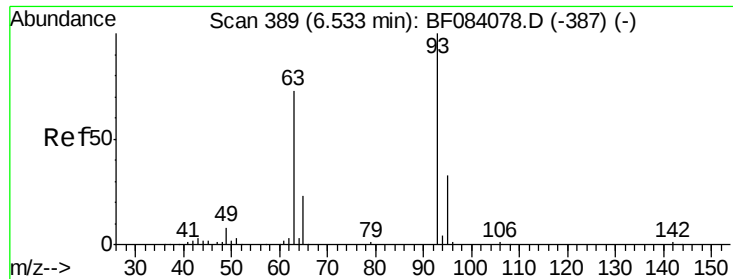


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 38.21 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

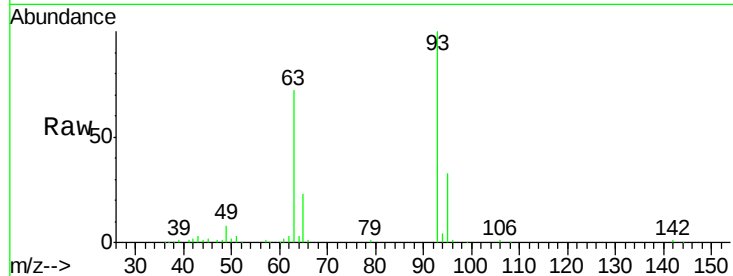
Tgt Ion: 93 Resp: 112197

Ion Ratio Lower Upper

93 100

63 72.1 45.9 85.9

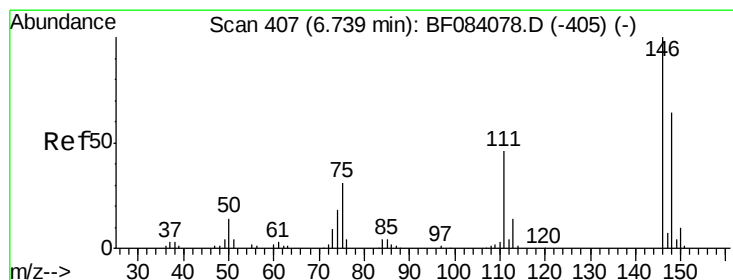
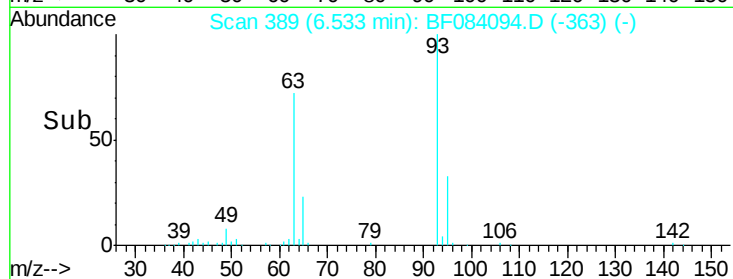
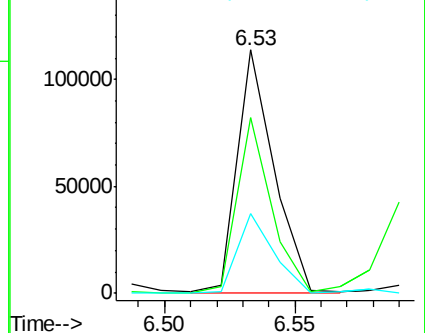
95 32.9 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 37.47 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

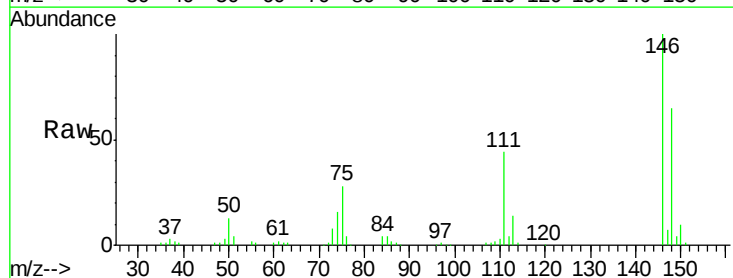
Tgt Ion: 146 Resp: 146163

Ion Ratio Lower Upper

146 100

148 65.3 51.9 77.9

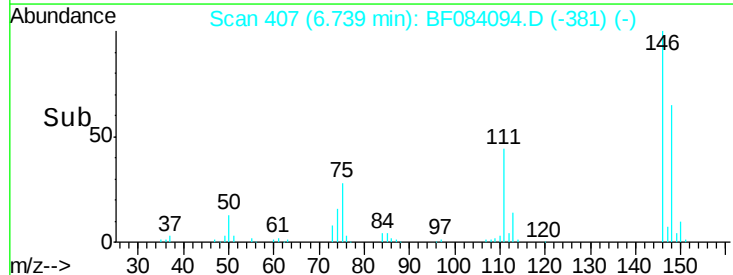
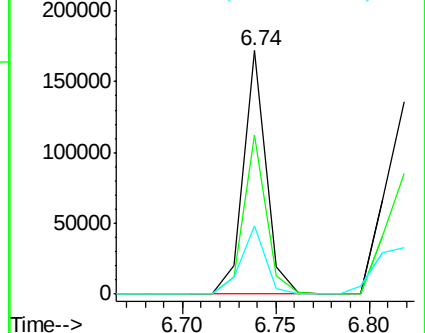
75 27.9 20.5 30.7

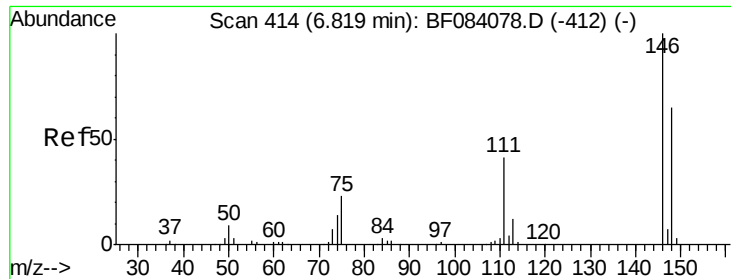


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

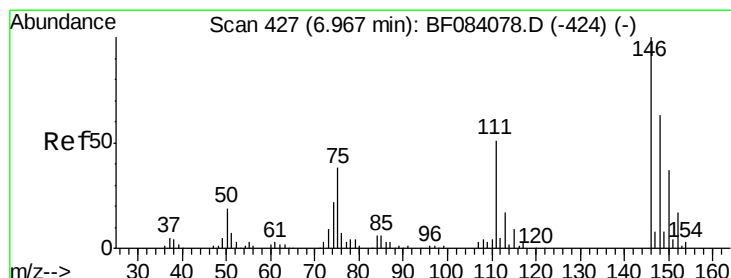
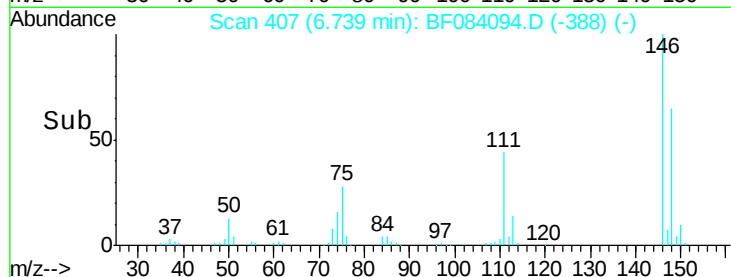
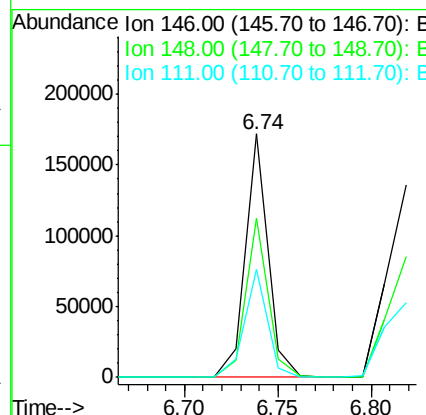
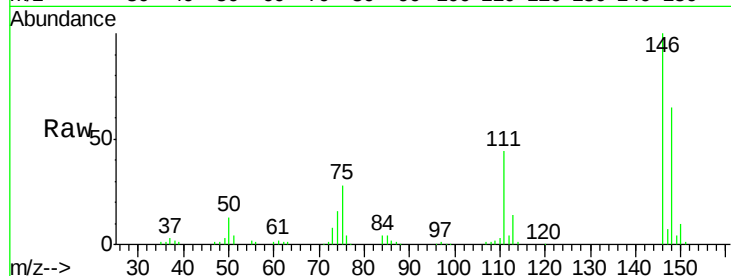




#13  
 1,4-Dichlorobenzene  
 Concen: 37.24 ng  
 RT: 6.74 min Scan# 407  
 Delta R.T. -0.08 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

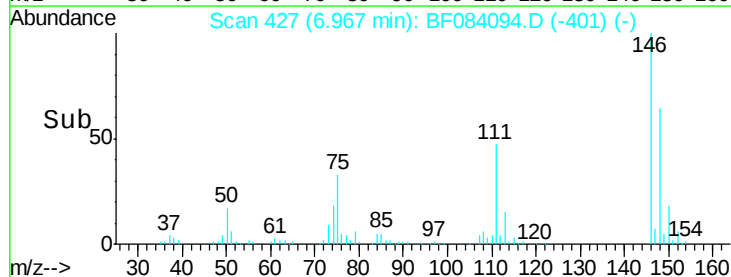
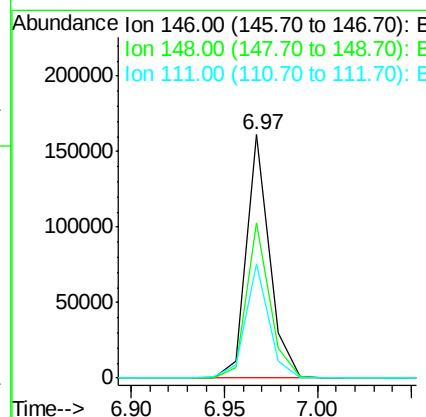
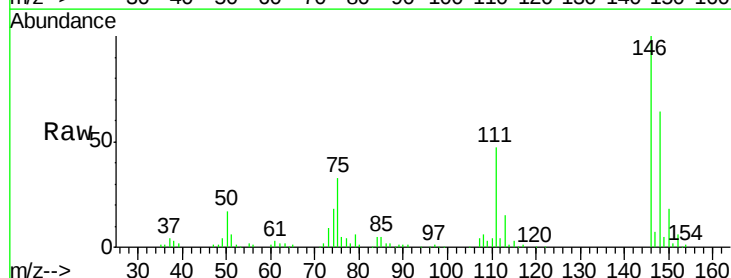
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

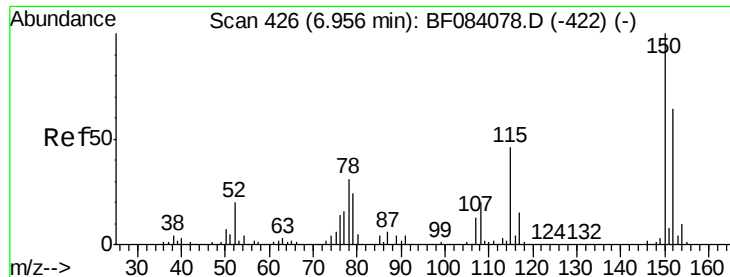
Tgt Ion:146 Resp: 146163  
 Ion Ratio Lower Upper  
 146 100  
 148 65.3 51.9 77.9  
 111 44.4 41.6 62.4



#14  
 1,2-Dichlorobenzene  
 Concen: 38.58 ng  
 RT: 6.97 min Scan# 427  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:146 Resp: 139538  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 51.6 77.4  
 111 47.2 38.0 57.0

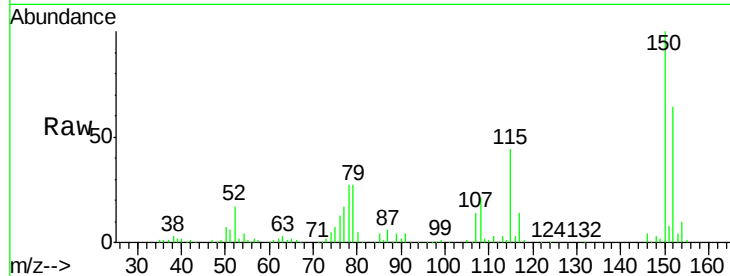




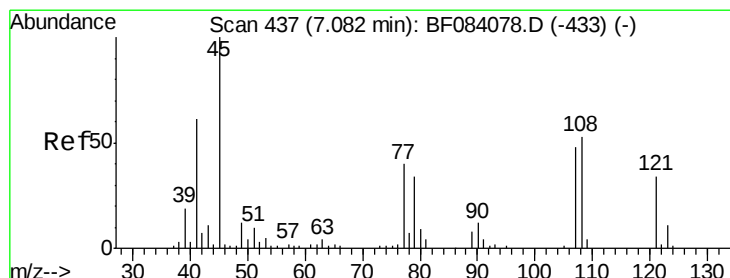
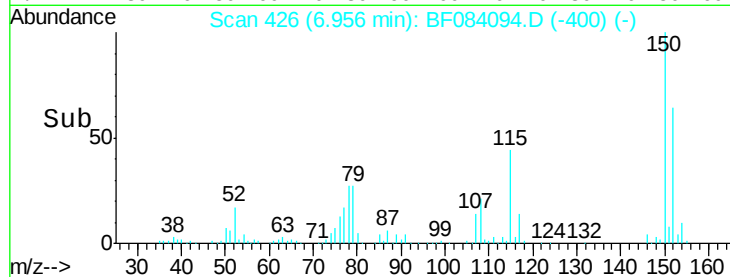
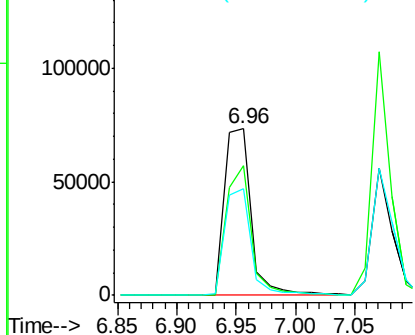
#15  
Benzyl Alcohol  
Concen: 42.43 ng  
RT: 6.96 min Scan# 426  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

Tgt Ion: 79 Resp: 114402  
Ion Ratio Lower Upper  
79 100  
108 77.6 69.0 103.4  
77 64.0 50.0 75.0

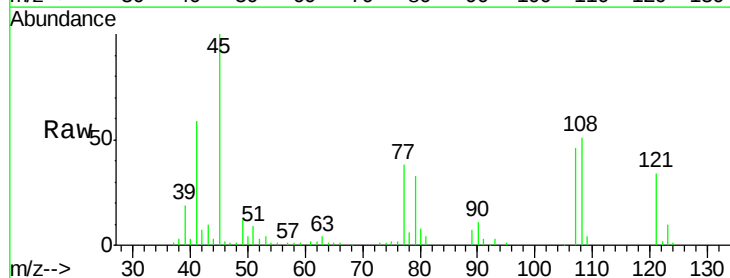


Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0

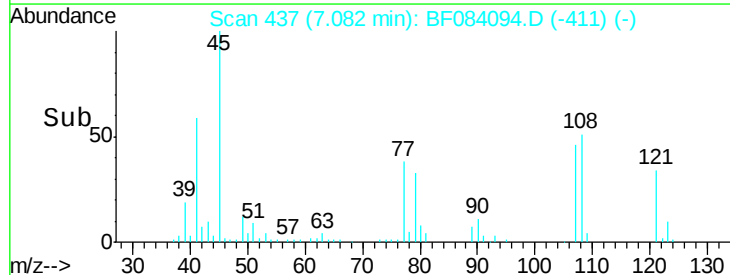
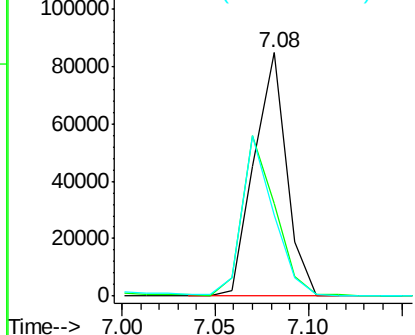


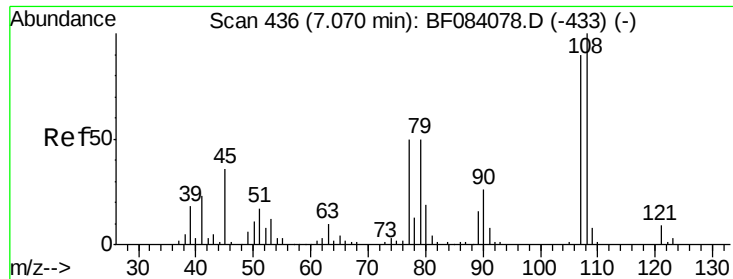
#16  
2,2'-oxybis(1-chloropropane)  
Concen: 36.09 ng  
RT: 7.08 min Scan# 437  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion: 45 Resp: 103510  
Ion Ratio Lower Upper  
45 100  
77 37.9 0.0 39.6  
79 33.3 0.0 35.0



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

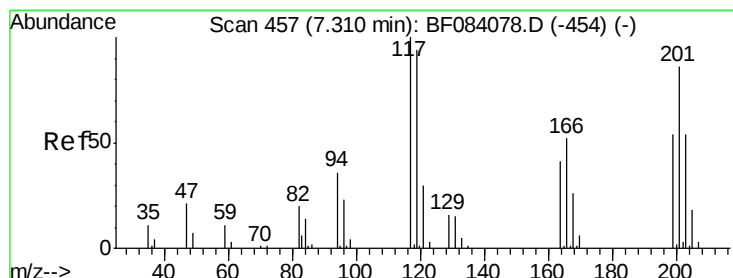
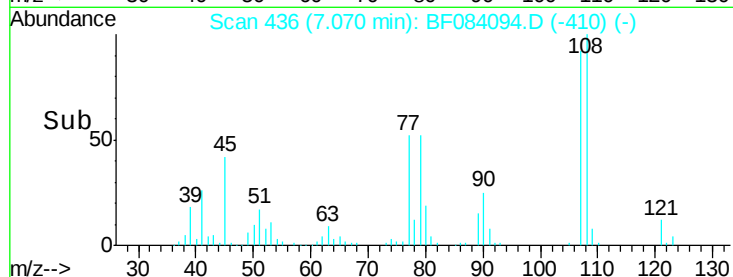
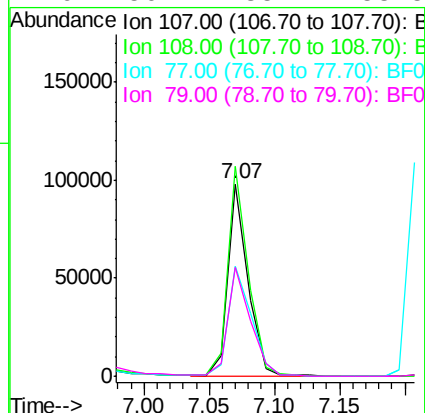
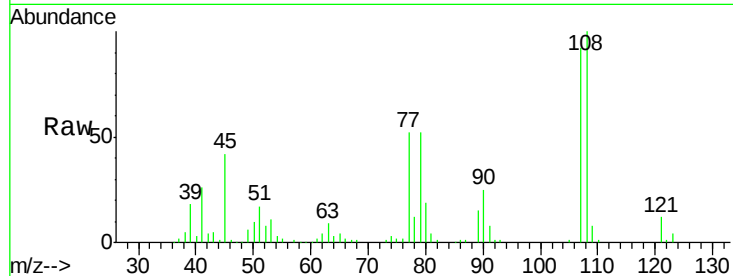




#17  
 2-Methylphenol  
 Concen: 38.42 ng  
 RT: 7.07 min Scan# 436  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

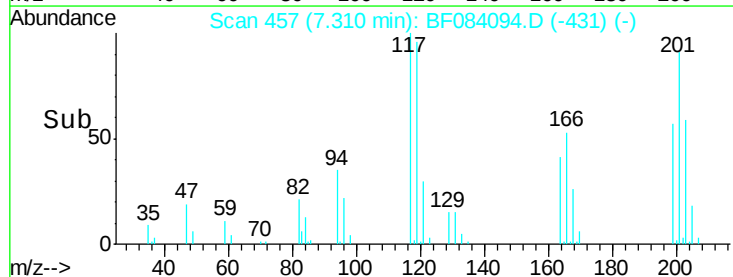
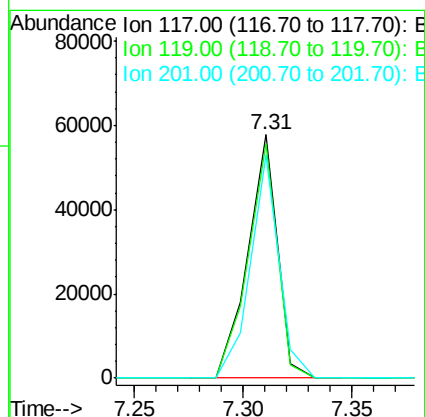
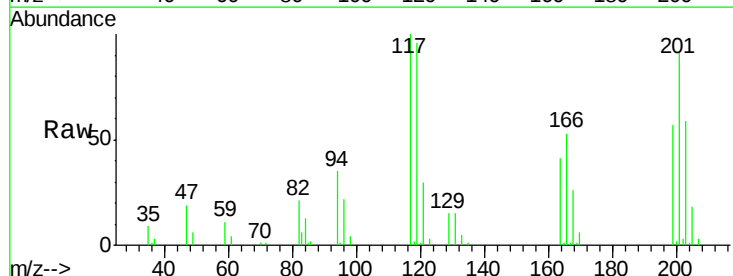
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

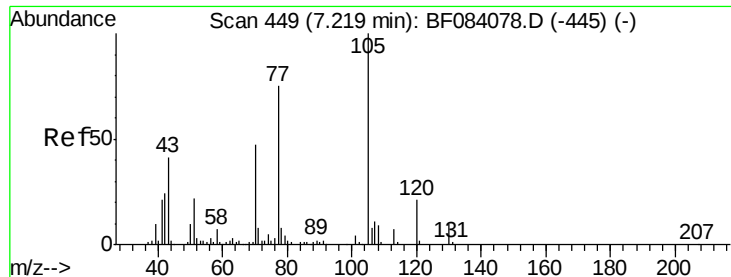
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.1 | 89.8  | 134.6 |
| 77      | 57.1  | 35.7  | 53.5# |
| 79      | 56.7  | 35.7  | 53.5# |



#18  
 Hexachloroethane  
 Concen: 38.00 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 77.4  | 116.0 |
| 201     | 91.5  | 68.6  | 103.0 |

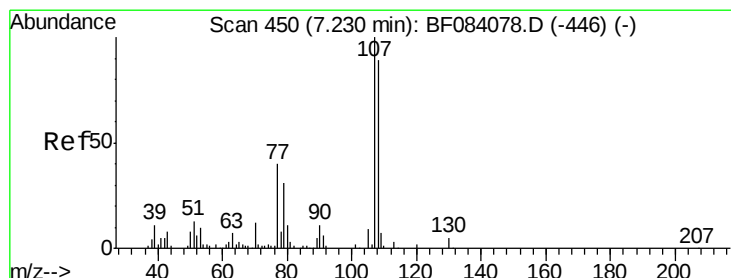
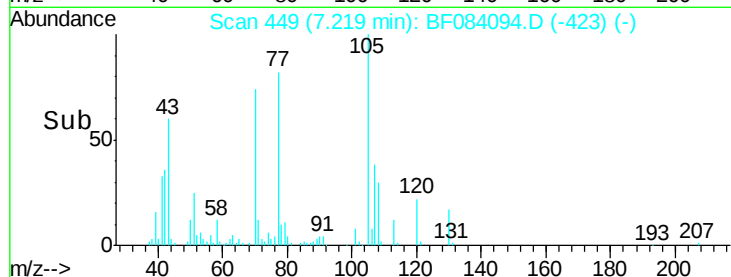
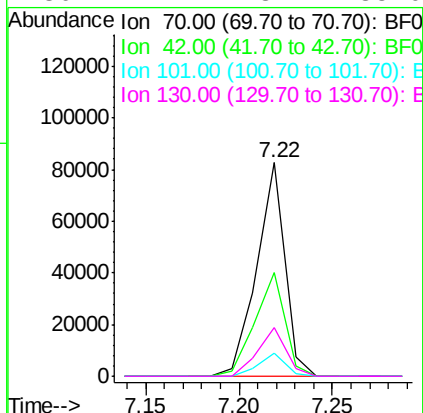
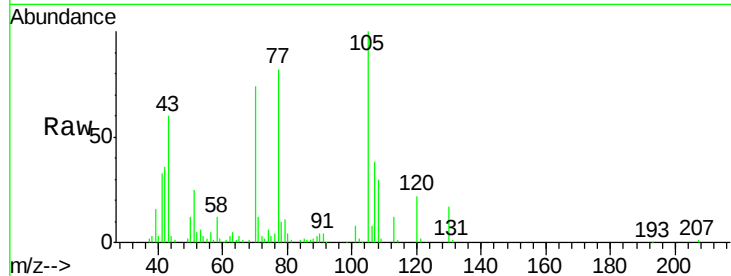




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 39.10 ng  
 RT: 7.22 min Scan# 449  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

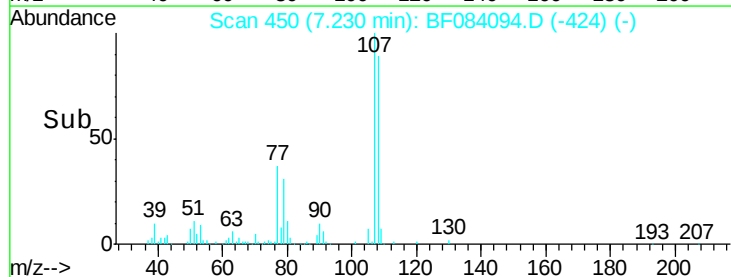
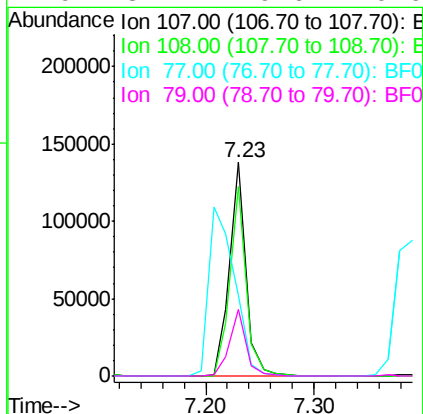
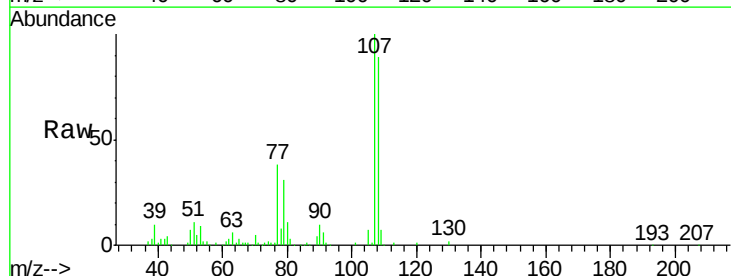
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

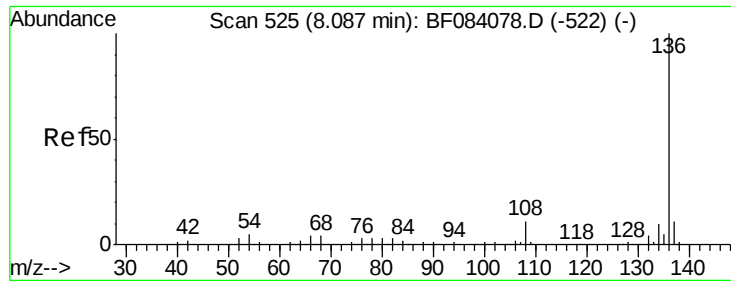
Tgt Ion: 70 Resp: 85729  
 Ion Ratio Lower Upper  
 70 100  
 42 48.5 33.3 49.9  
 101 10.6 9.3 13.9  
 130 22.7 23.4 35.0#



#20  
 3+4-Methylphenols  
 Concen: 41.18 ng  
 RT: 7.23 min Scan# 450  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion: 107 Resp: 144109  
 Ion Ratio Lower Upper  
 107 100  
 108 89.0 64.1 104.1  
 77 37.8 128.9 168.9#  
 79 31.1 9.6 49.6

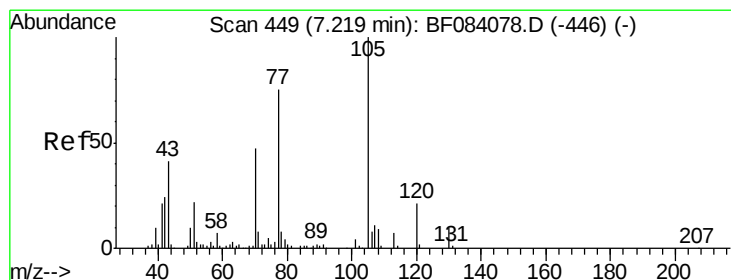
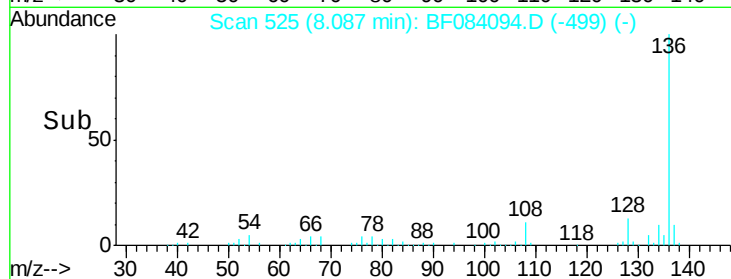
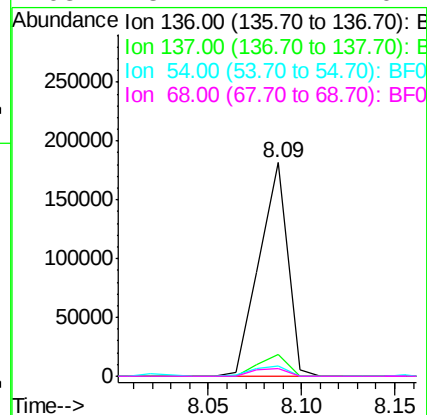
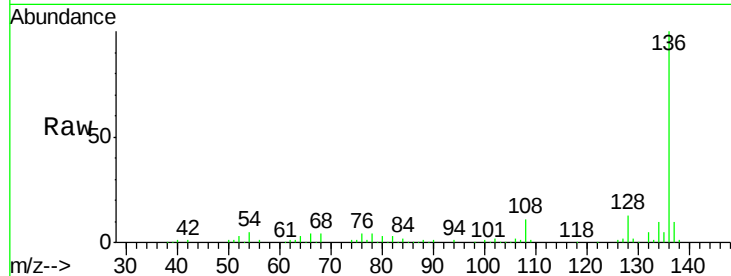




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

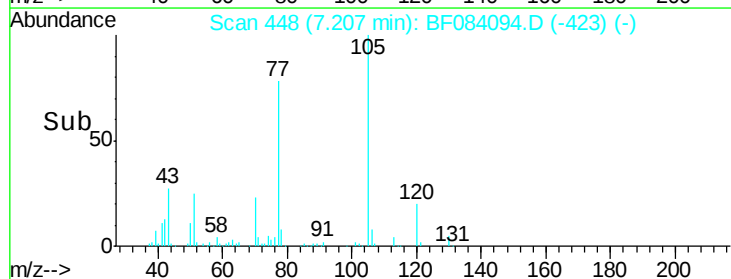
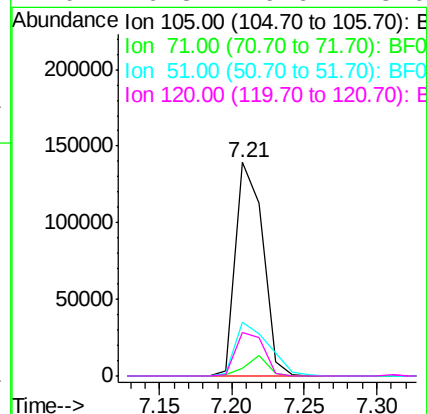
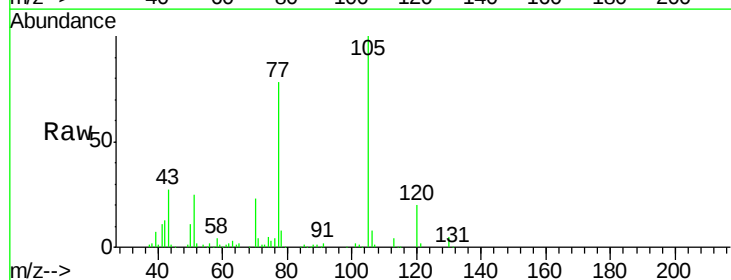
Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

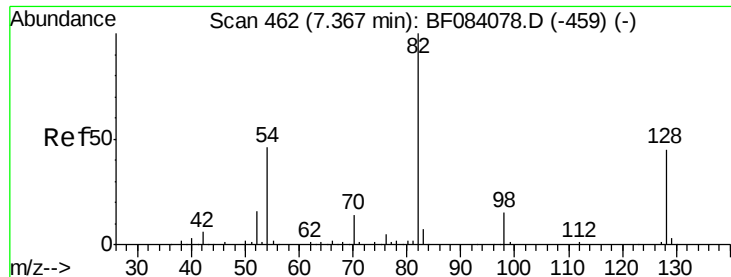
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 190944 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.7   | 13.1   |
| 54       | 4.7   | 5.8   | 8.8#   |
| 68       | 3.7   | 4.2   | 6.2#   |



#22  
Acetophenone  
Concen: 38.14 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 181977 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.8   | 3.7   | 5.5    |
| 51       | 24.9  | 25.1  | 37.7#  |
| 120      | 20.3  | 16.6  | 25.0   |

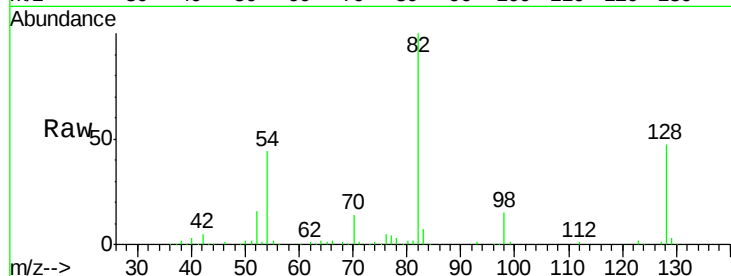




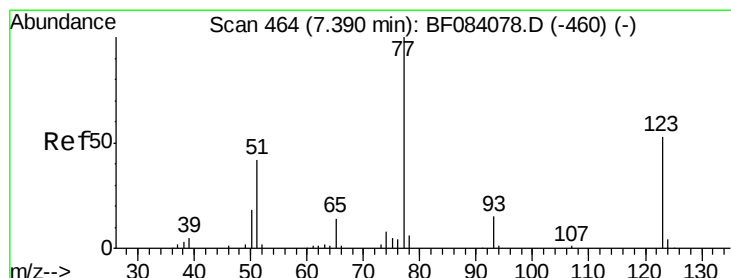
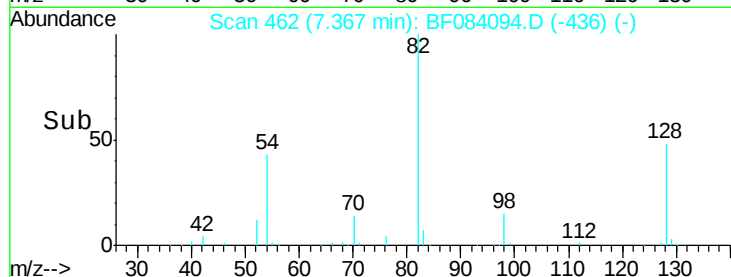
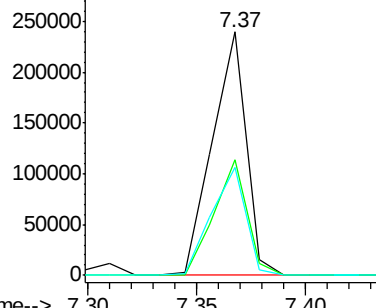
#23  
 Nitrobenzene-d5  
 Concen: 79.34 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion: 82 Resp: 258811  
 Ion Ratio Lower Upper  
 82 100  
 128 47.4 34.6 51.8  
 54 44.5 38.4 57.6

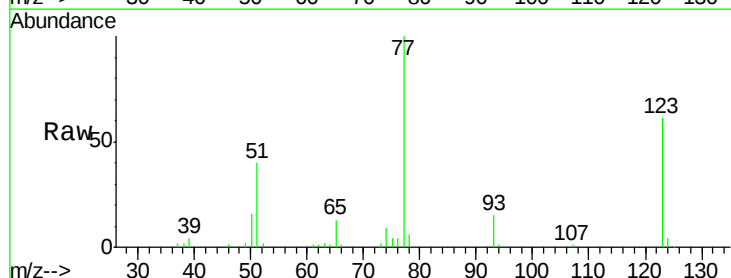


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

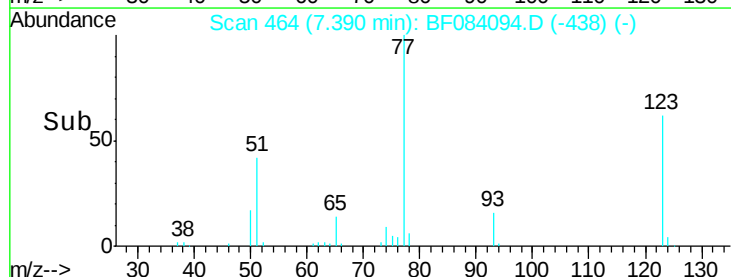
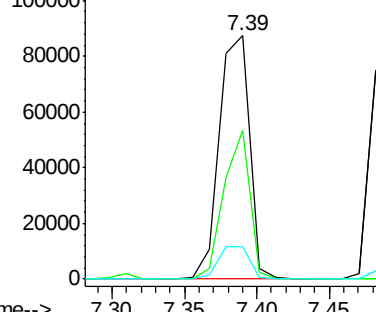


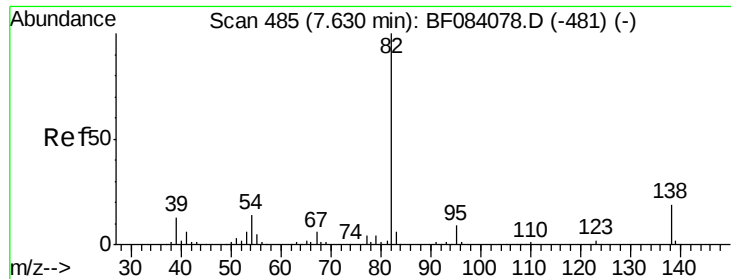
#24  
 Nitrobenzene  
 Concen: 36.54 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion: 77 Resp: 126577  
 Ion Ratio Lower Upper  
 77 100  
 123 61.3 37.4 56.2#  
 65 13.3 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: 38.64 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

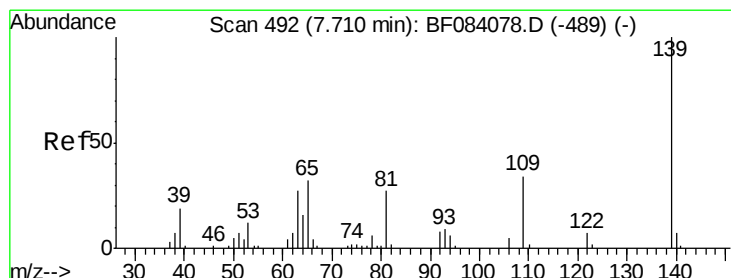
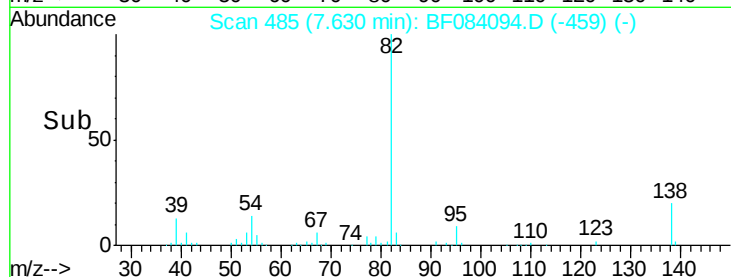
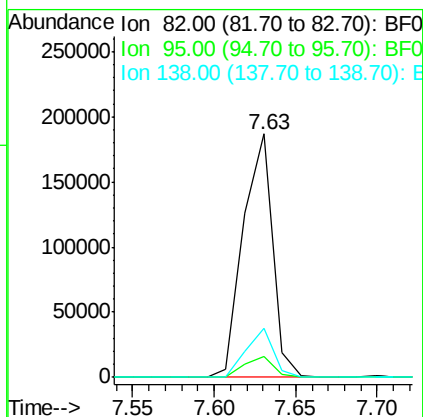
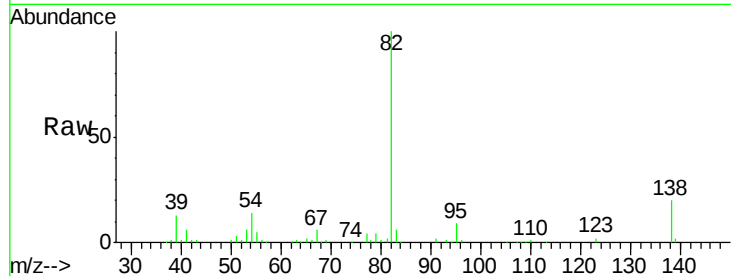
Tgt Ion: 82 Resp: 233139

Ion Ratio Lower Upper

82 100

95 8.6 6.6 10.0

138 20.4 13.6 20.4#



#26

2-Nitrophenol

Concen: 39.08 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

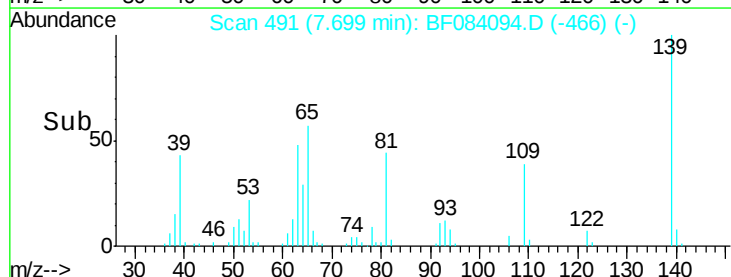
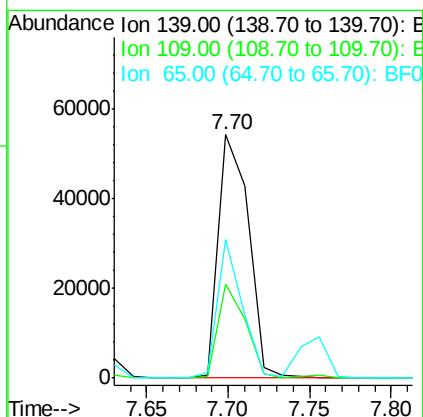
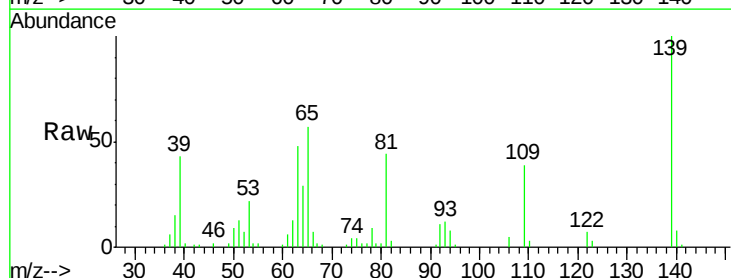
Tgt Ion: 139 Resp: 69276

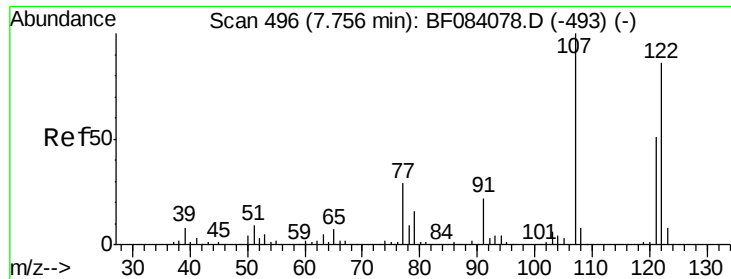
Ion Ratio Lower Upper

139 100

109 38.8 25.4 38.2#

65 57.0 32.3 48.5#

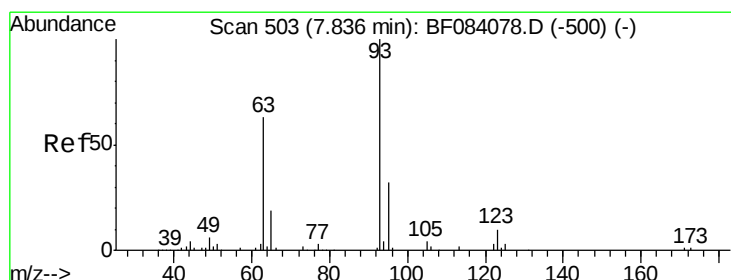
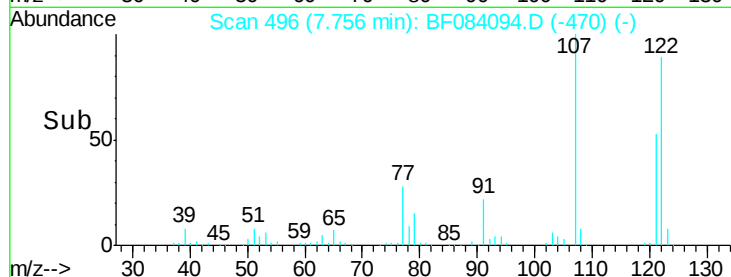
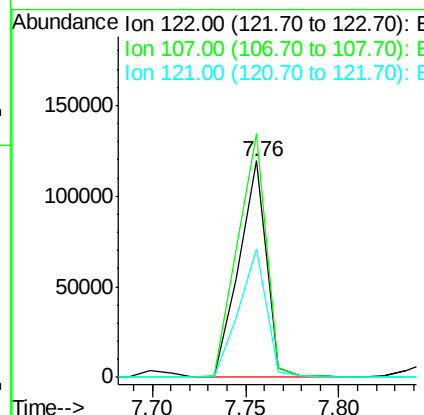
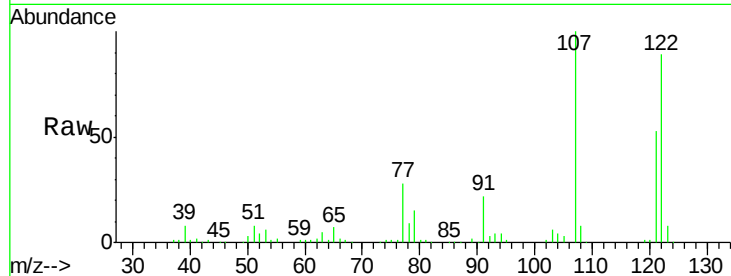




#27  
 2,4-Dimethylphenol  
 Concen: 42.11 ng  
 RT: 7.76 min Scan# 496  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

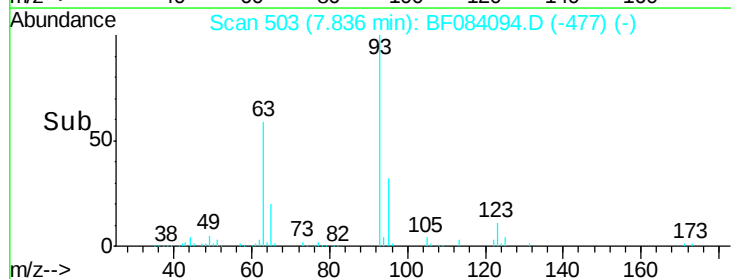
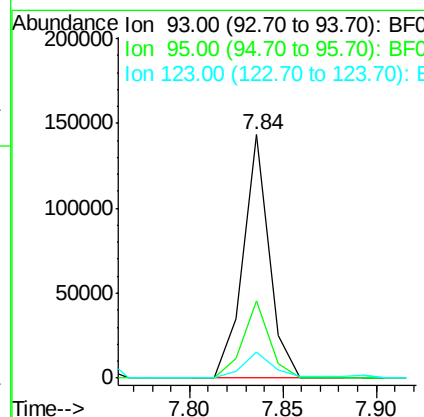
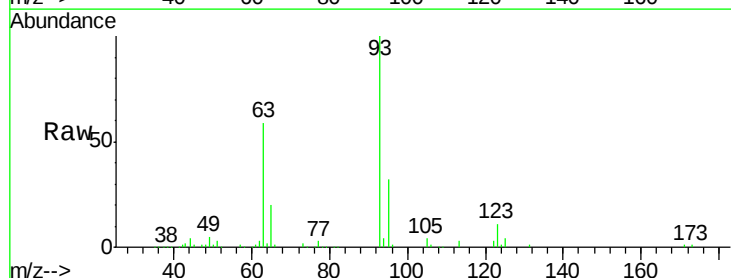
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

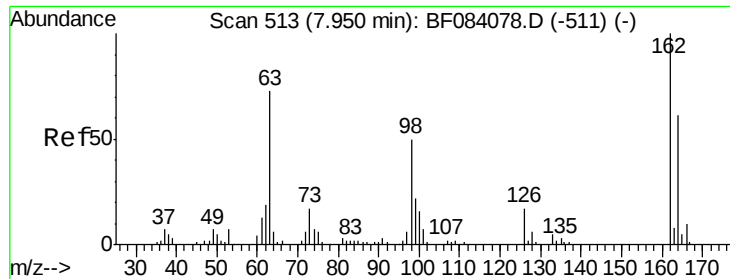
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 112.6 | 99.1  | 148.7 |
| 121     | 59.4  | 47.9  | 71.9  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.72 ng  
 RT: 7.84 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.8  | 25.8  | 38.6  |
| 123     | 10.9  | 8.6   | 12.8  |

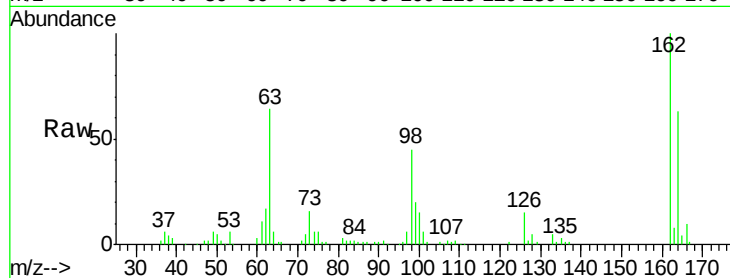




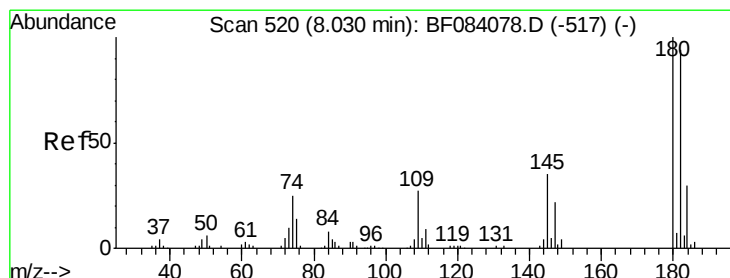
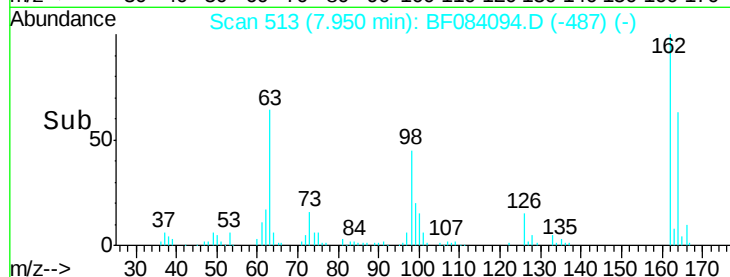
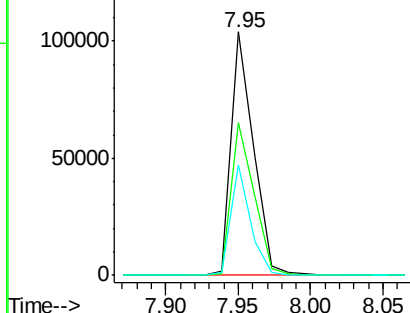
#29  
 2,4-Dichlorophenol  
 Concen: 40.56 ng  
 RT: 7.95 min Scan# 513  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.9  | 44.1  | 84.1  |
| 98      | 45.5  | 20.2  | 60.2  |

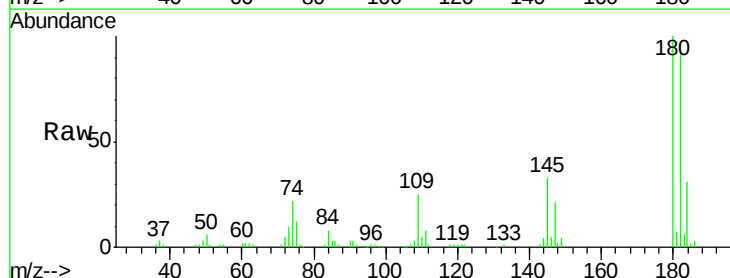


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

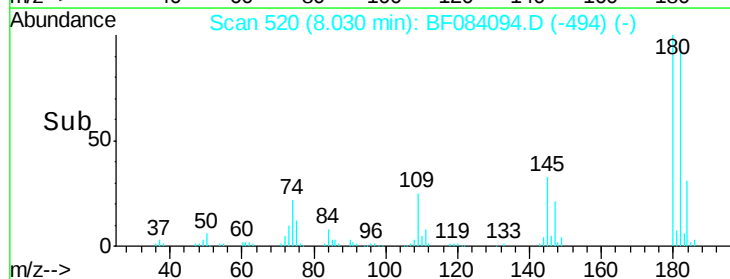
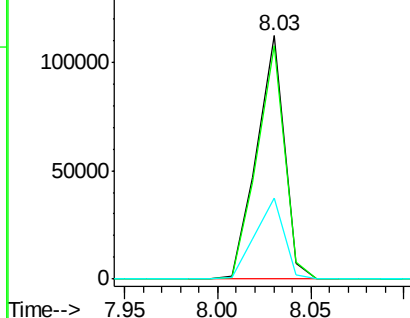


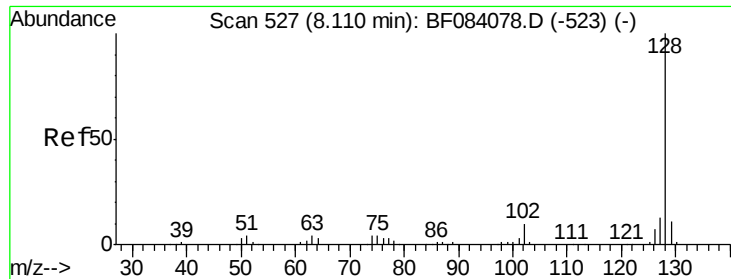
#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.43 ng  
 RT: 8.03 min Scan# 520  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 76.4  | 114.6 |
| 145     | 33.4  | 31.6  | 47.4  |



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

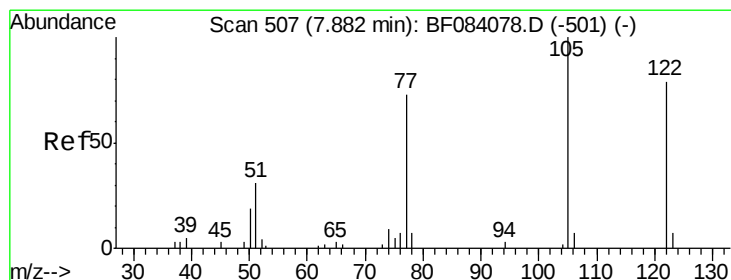
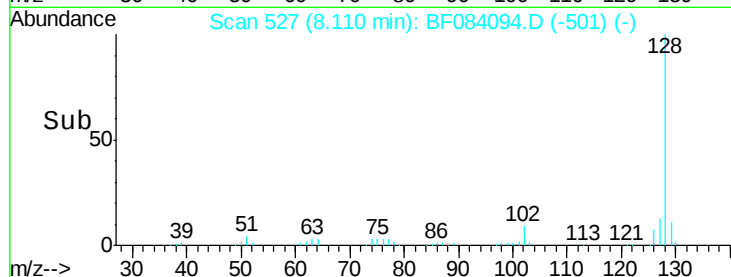
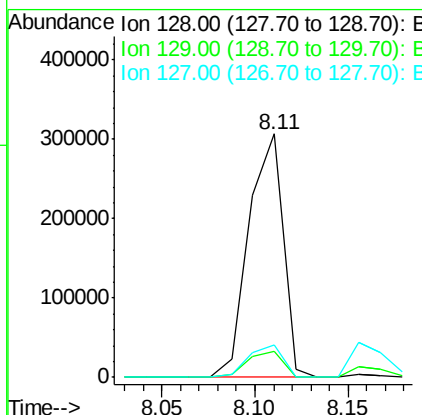
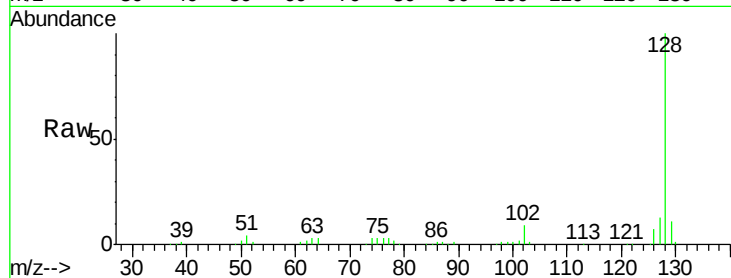




#31  
Naphthalene  
Concen: 38.49 ng  
RT: 8.11 min Scan# 527  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

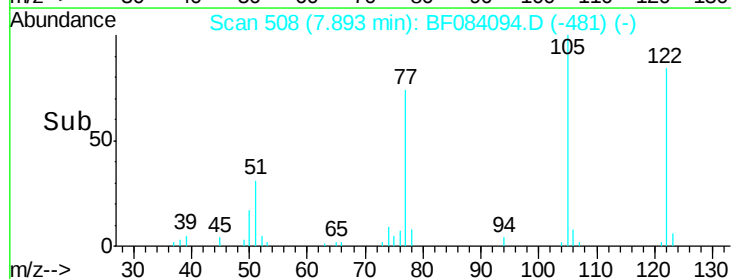
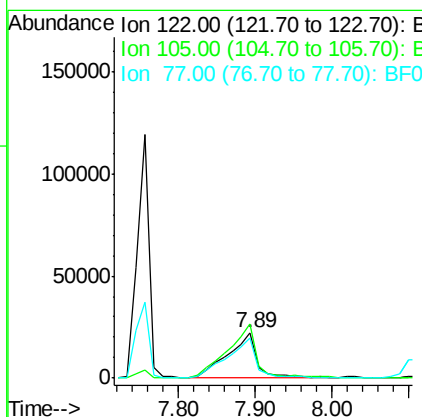
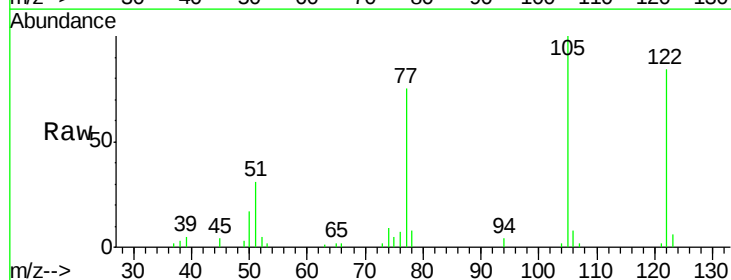
Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

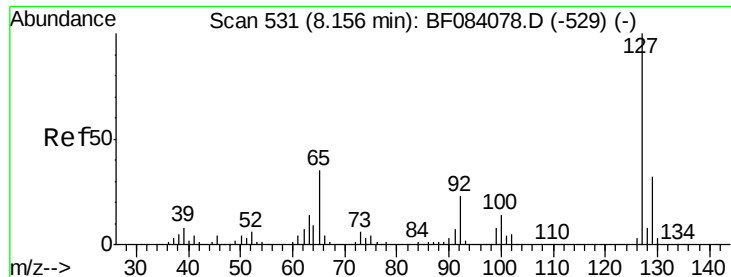
Tgt Ion:128 Resp: 391043  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.1 13.7  
127 13.4 11.1 16.7



#32  
Benzoic acid  
Concen: 42.74 ng  
RT: 7.89 min Scan# 508  
Delta R.T. 0.01 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:122 Resp: 60296  
Ion Ratio Lower Upper  
122 100  
105 119.3 100.3 140.3  
77 89.5 63.5 103.5

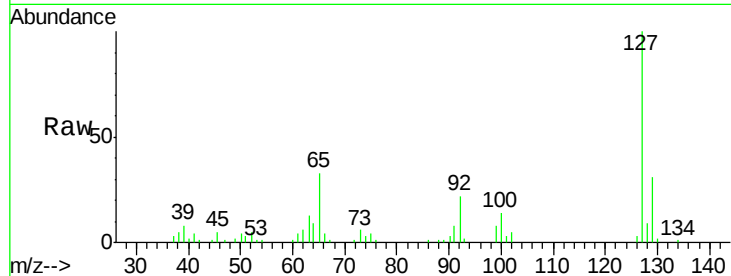




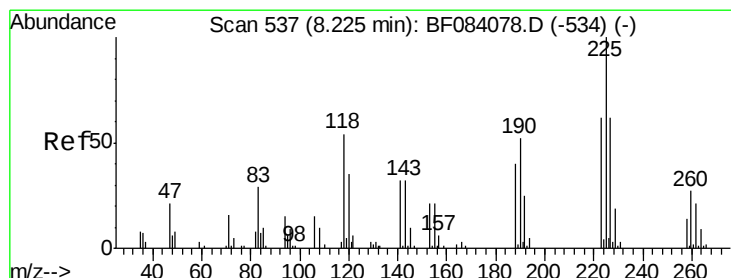
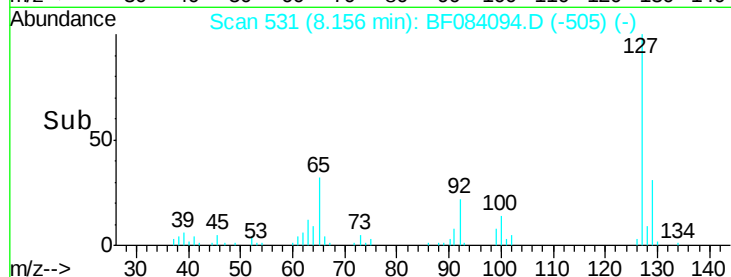
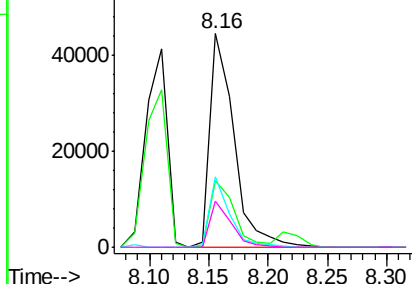
#33  
4-Chloroaniline  
Concen: 15.54 ng  
RT: 8.16 min Scan# 531  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 62809 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.0  | 26.5  | 39.7  |
| 65       | 33.0  | 27.2  | 40.8  |
| 92       | 21.8  | 17.7  | 26.5  |

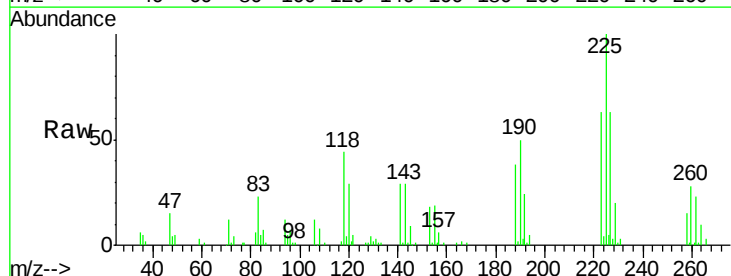


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

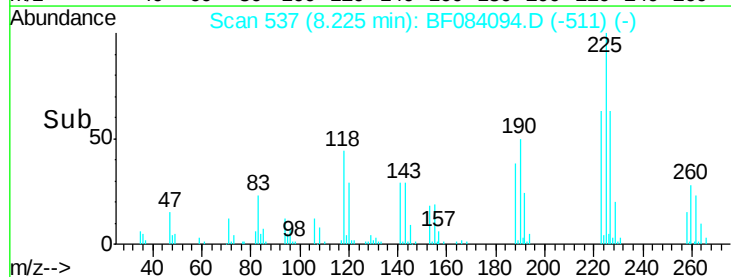
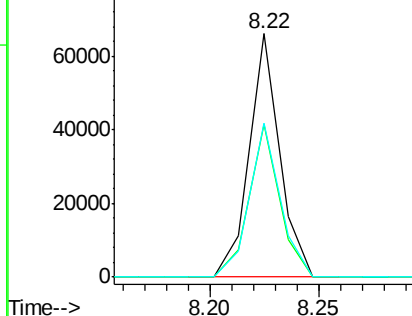


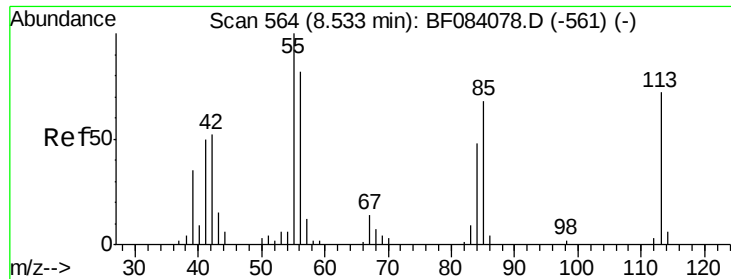
#34  
Hexachlorobutadiene  
Concen: 37.64 ng  
RT: 8.22 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 64284 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.6  | 49.4  | 74.0  |
| 227      | 63.5  | 50.8  | 76.2  |



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

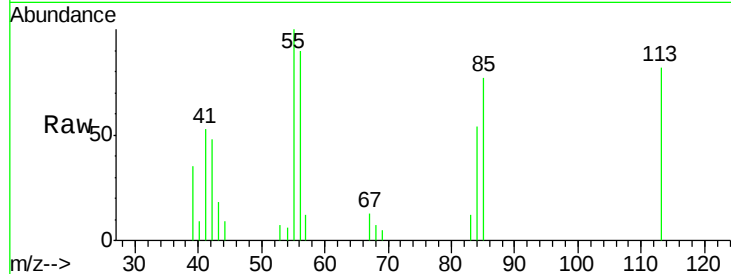




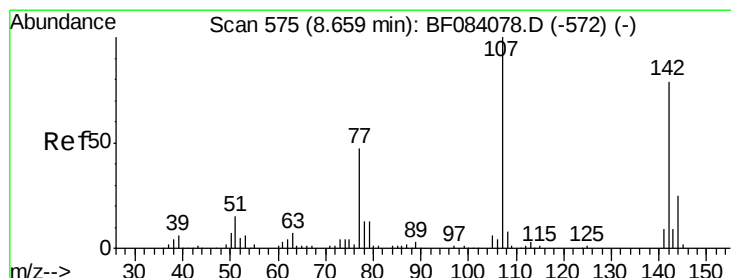
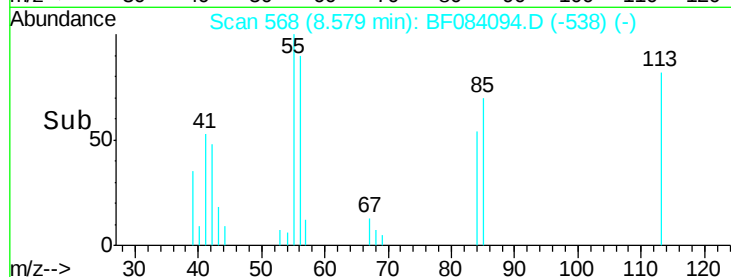
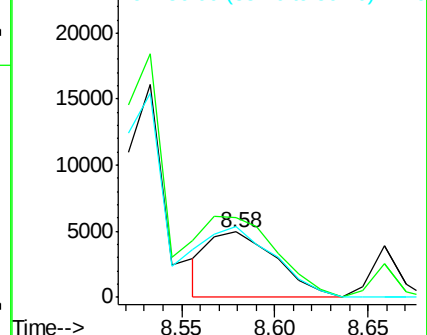
#35  
 Caprolactam  
 Concen: 16.49 ng  
 RT: 8.58 min Scan# 568  
 Delta R.T. 0.05 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion:113 Resp: 12496  
 Ion Ratio Lower Upper  
 113 100  
 55 121.8 116.9 156.9  
 56 109.5 93.8 133.8

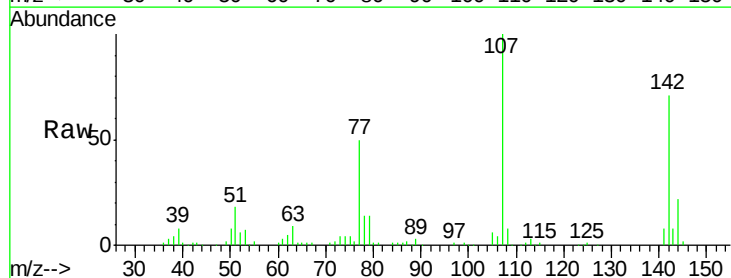


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

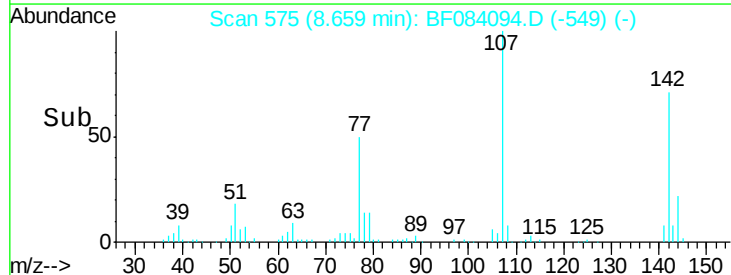
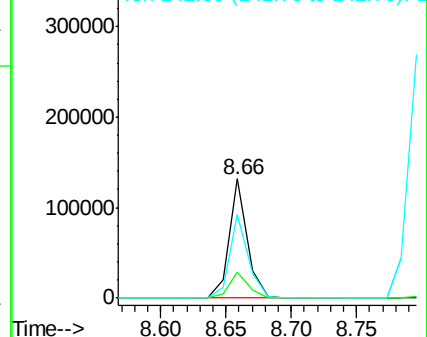


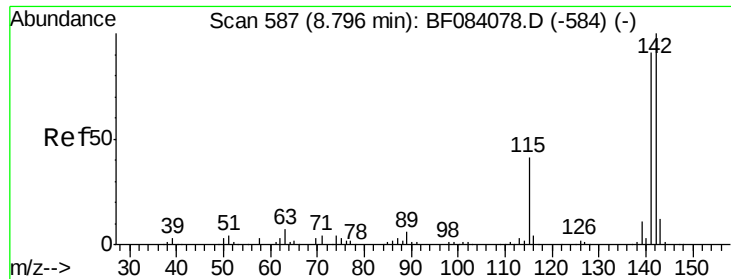
#36  
 4-Chloro-3-methylphenol  
 Concen: 41.75 ng  
 RT: 8.66 min Scan# 575  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:107 Resp: 128264  
 Ion Ratio Lower Upper  
 107 100  
 144 22.2 19.7 29.5  
 142 70.6 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

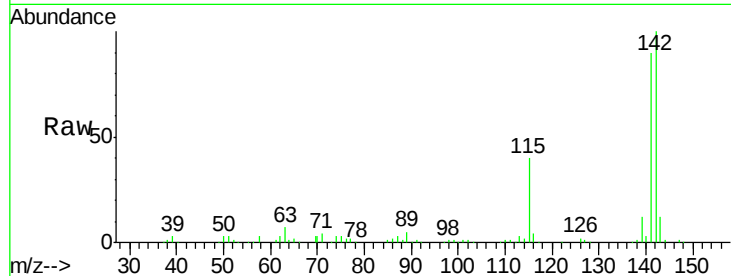




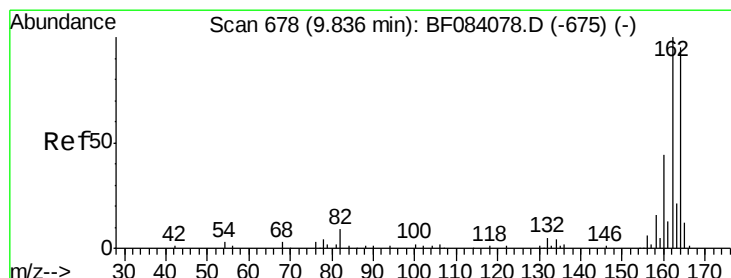
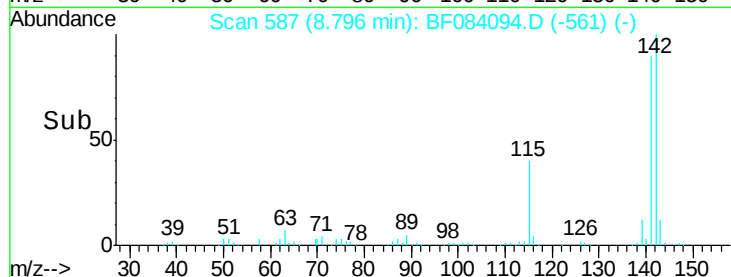
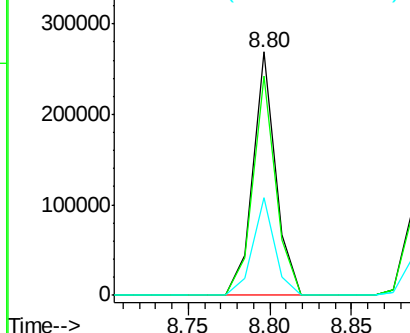
#37  
 2-Methylnaphthalene  
 Concen: 41.19 ng  
 RT: 8.80 min Scan# 587  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB87153BSD

Tgt Ion:142 Resp: 261913  
 Ion Ratio Lower Upper  
 142 100  
 141 90.1 72.4 108.6  
 115 40.1 27.9 41.9

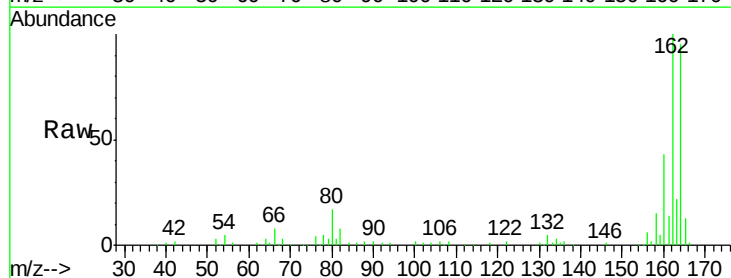


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

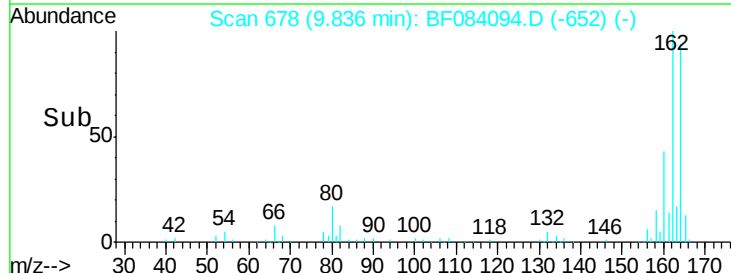
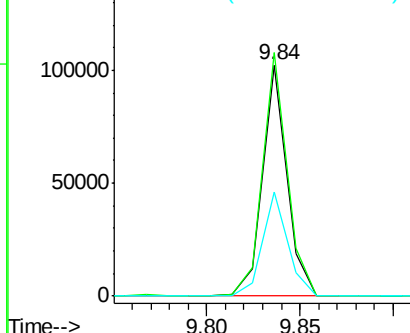


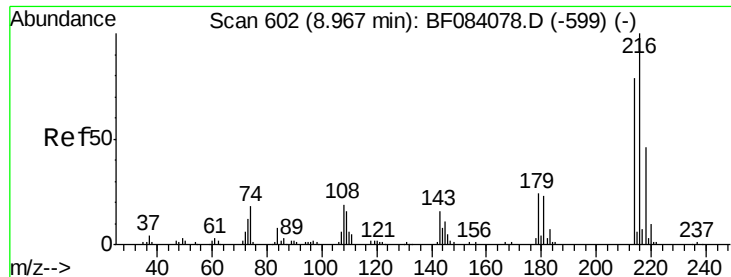
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:164 Resp: 91874  
 Ion Ratio Lower Upper  
 164 100  
 162 105.3 85.1 127.7  
 160 45.2 37.5 56.3



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

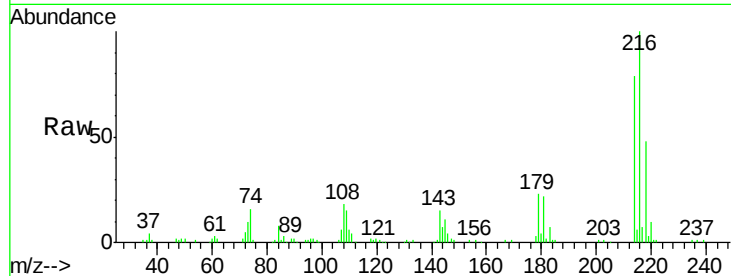




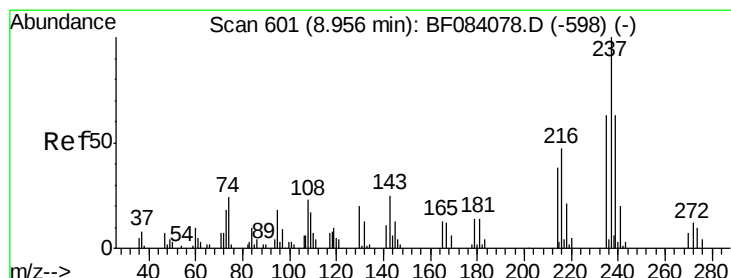
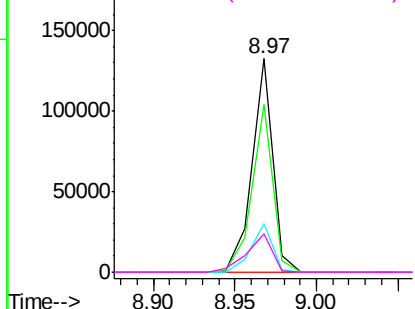
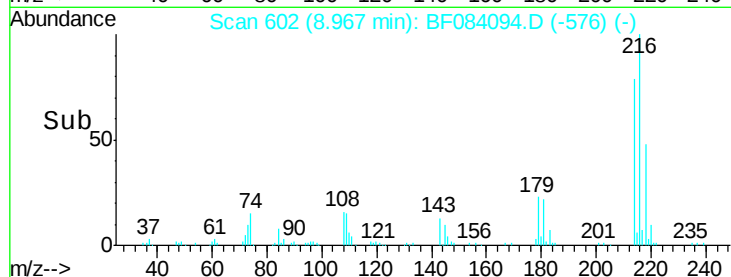
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.57 ng  
 RT: 8.97 min Scan# 602  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 117503 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.2  | 64.2  | 96.2   |
| 179      | 23.0  | 18.7  | 28.1   |
| 108      | 21.5  | 16.8  | 25.2   |

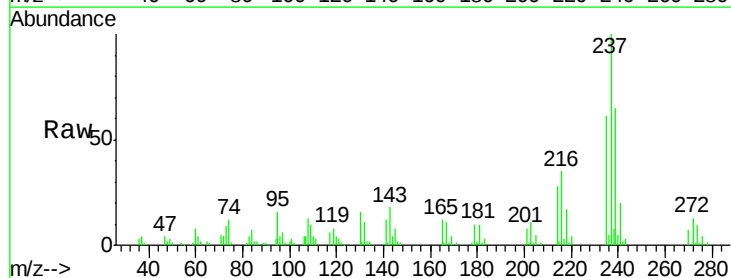


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

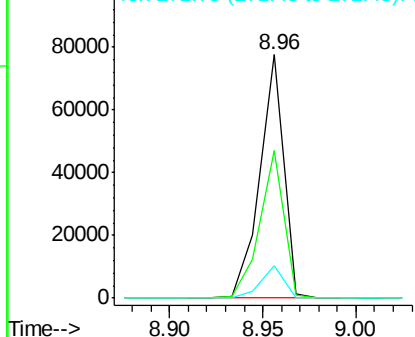
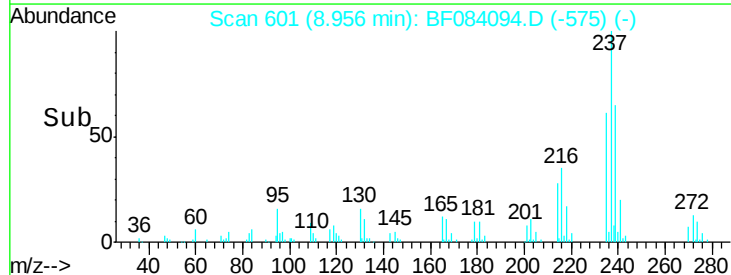


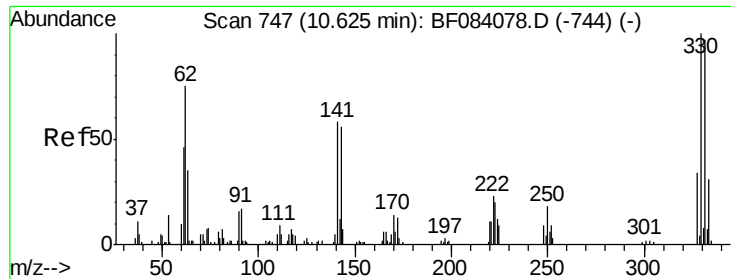
#40  
 Hexachlorocyclopentadiene  
 Concen: 80.62 ng  
 RT: 8.96 min Scan# 601  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 68246 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 60.7  | 43.1  | 83.1  |
| 272      | 13.5  | 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

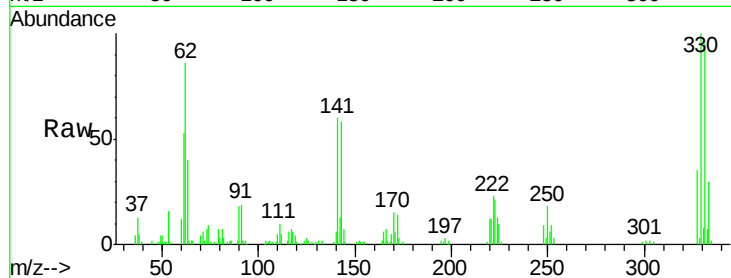




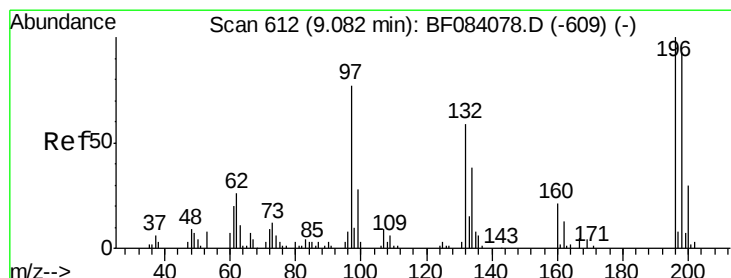
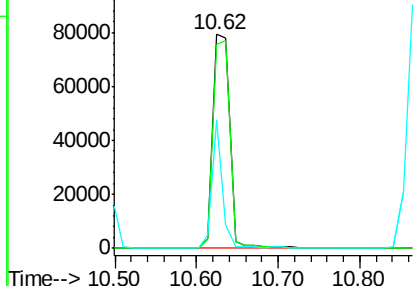
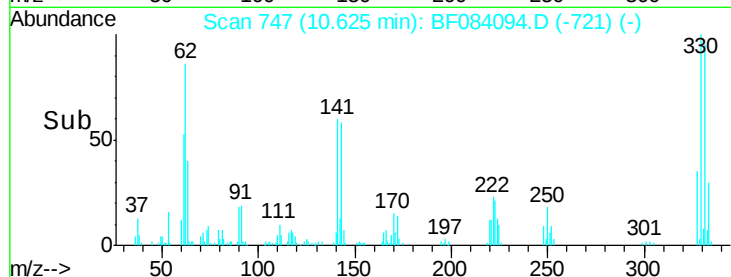
#41  
 2,4,6-Tribromophenol  
 Concen: 117.89 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion:330 Resp: 115498  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 76.6 114.8  
 141 37.5 27.8 41.6

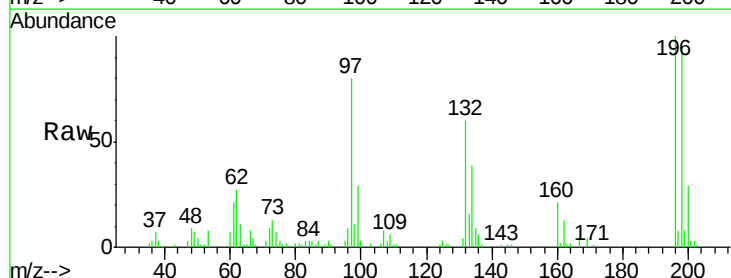


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

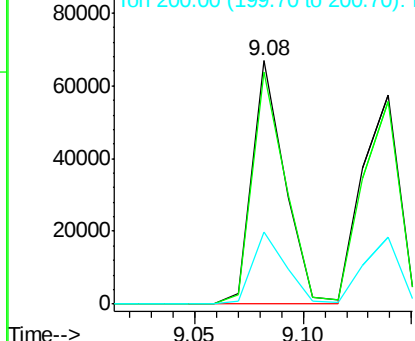
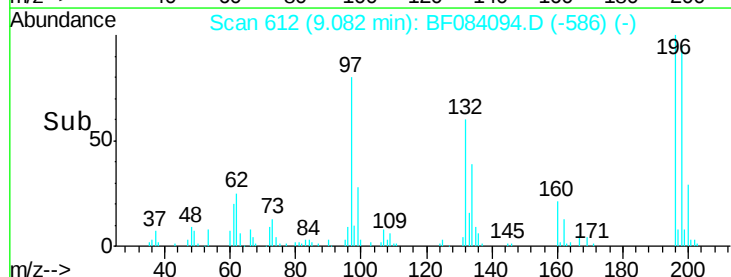


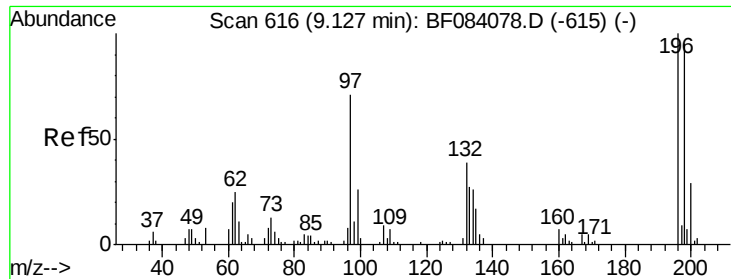
#42  
 2,4,6-Trichlorophenol  
 Concen: 37.09 ng  
 RT: 9.08 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:196 Resp: 70043  
 Ion Ratio Lower Upper  
 196 100  
 198 95.5 77.7 116.5  
 200 29.4 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

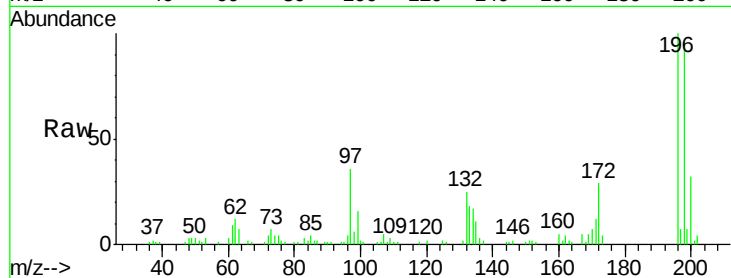




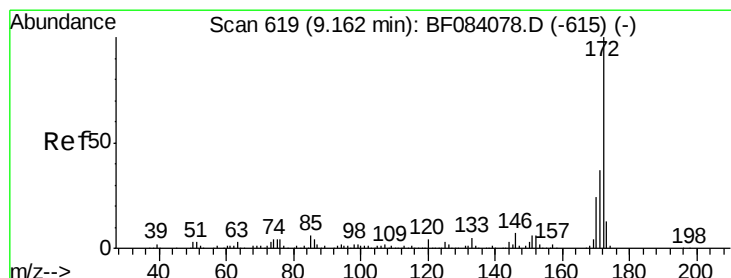
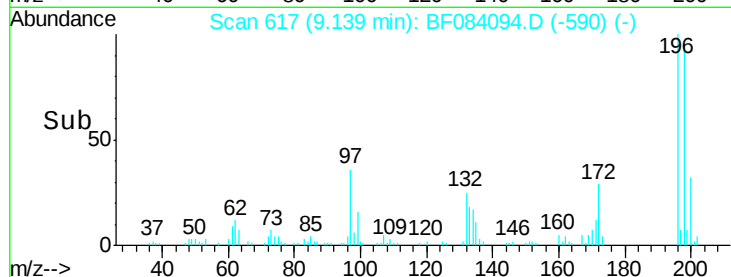
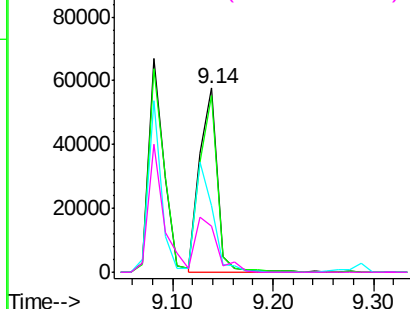
#43  
 2,4,5-Trichlorophenol  
 Concen: 37.81 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. 0.01 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion:196 Resp: 71476  
 Ion Ratio Lower Upper  
 196 100  
 198 96.4 79.0 118.6  
 97 36.0 33.0 49.6  
 132 24.7 21.1 31.7

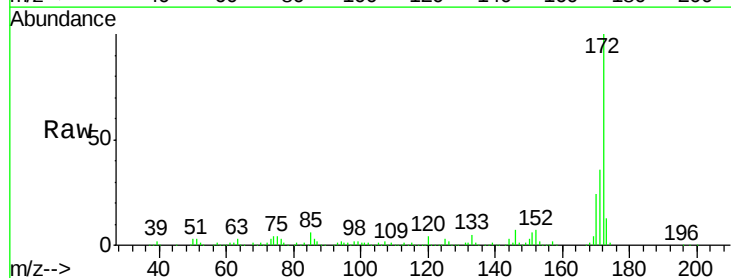


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

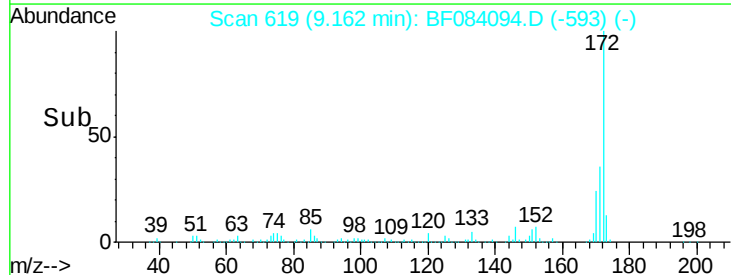
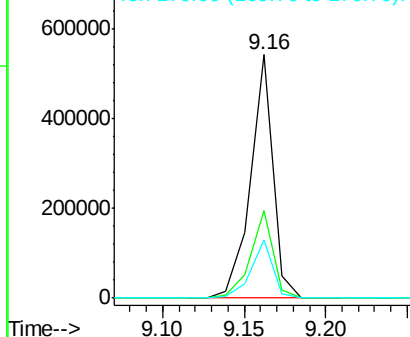


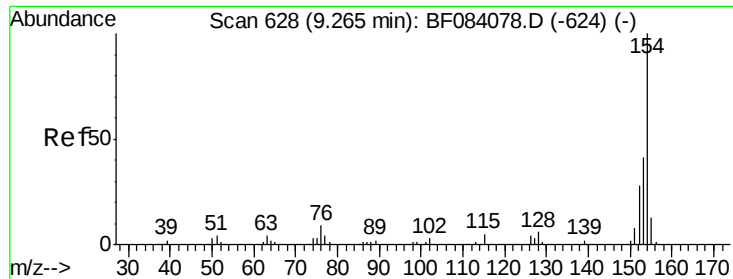
#44  
 2-Fluorobiphenyl  
 Concen: 77.05 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:172 Resp: 517367  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.9 43.3  
 170 24.0 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

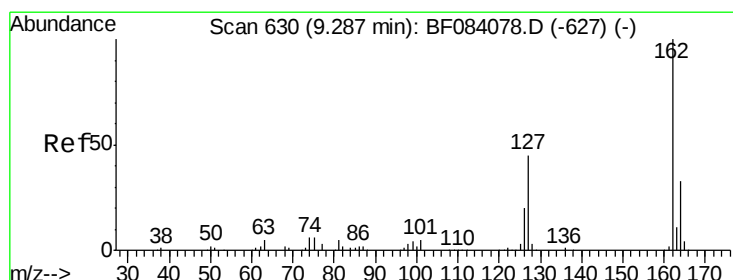
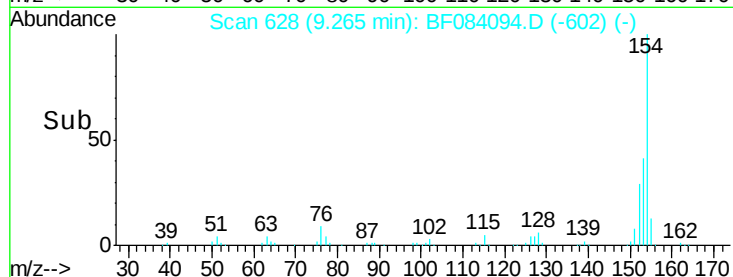
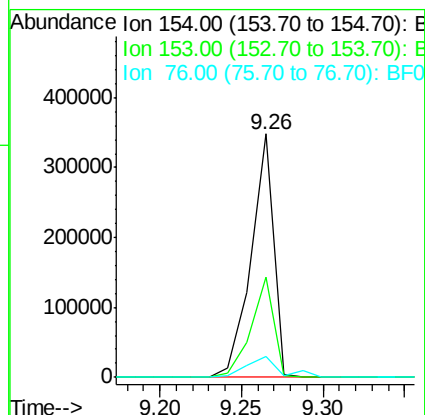
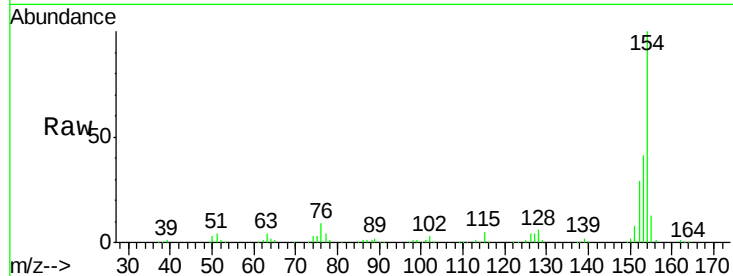




#45  
 1,1'-Biphenyl  
 Concen: 40.39 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

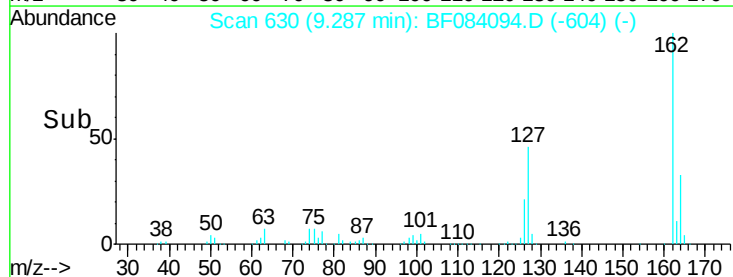
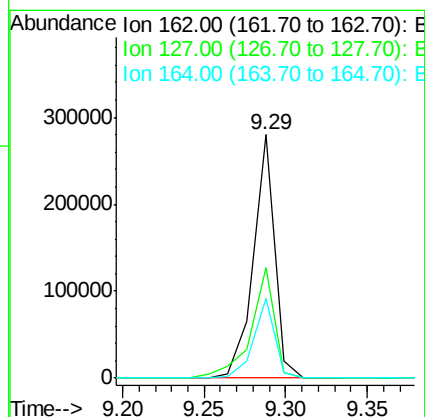
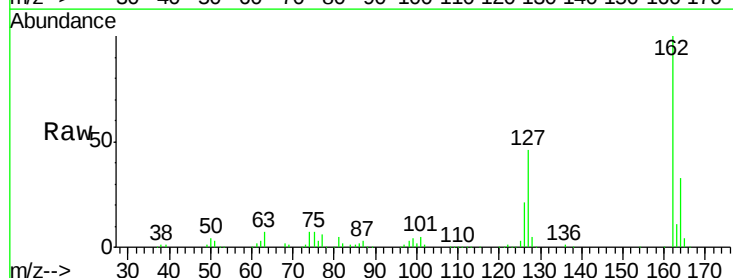
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

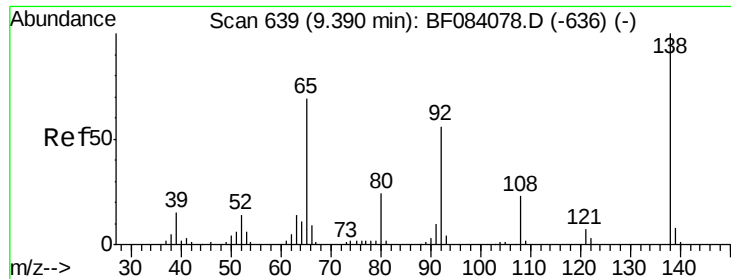
Tgt Ion:154 Resp: 335248  
 Ion Ratio Lower Upper  
 154 100  
 153 41.2 21.6 61.6  
 76 8.5 0.0 32.7



#46  
 2-Chloronaphthalene  
 Concen: 40.10 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:162 Resp: 253020  
 Ion Ratio Lower Upper  
 162 100  
 127 45.6 40.2 60.4  
 164 32.9 25.7 38.5

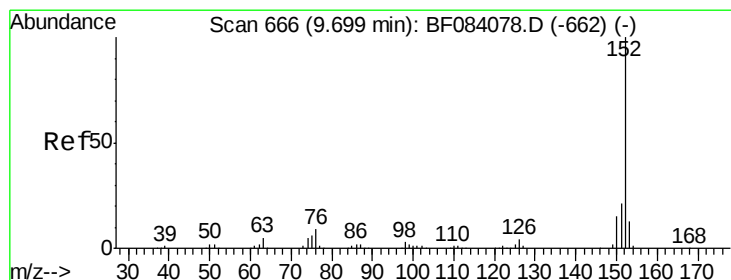
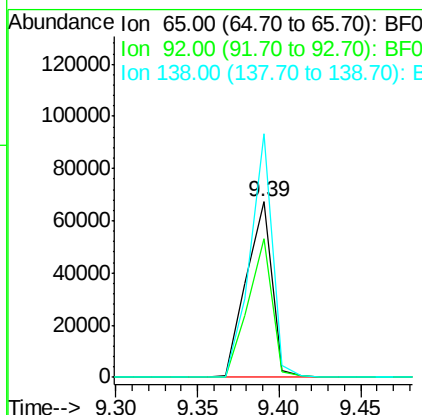
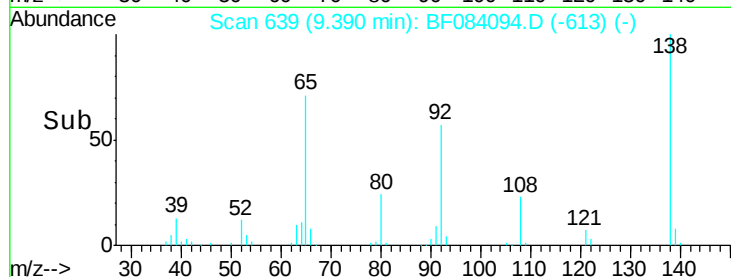
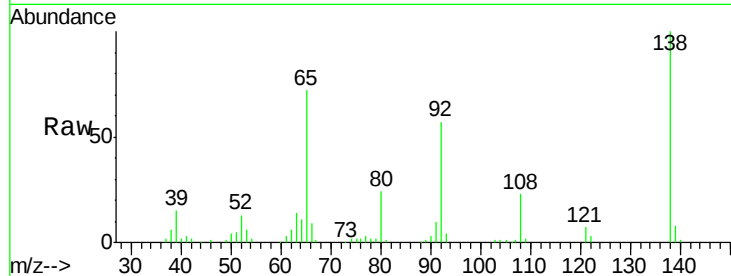




#47  
 2-Nitroaniline  
 Concen: 43.69 ng  
 RT: 9.39 min Scan# 639  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

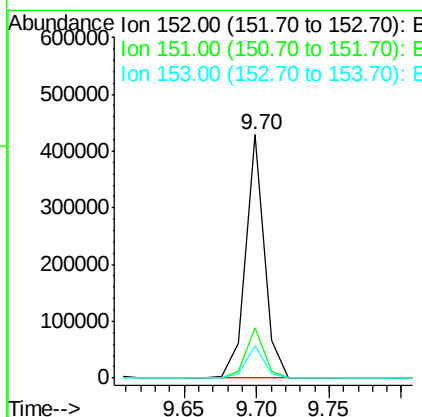
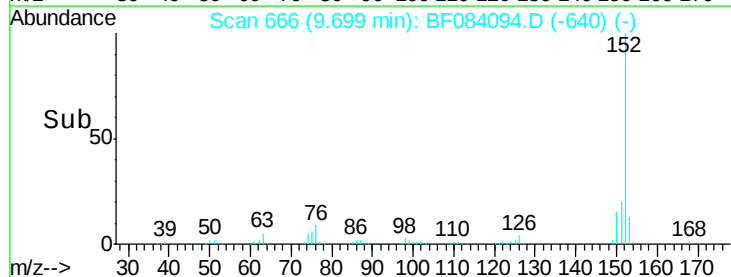
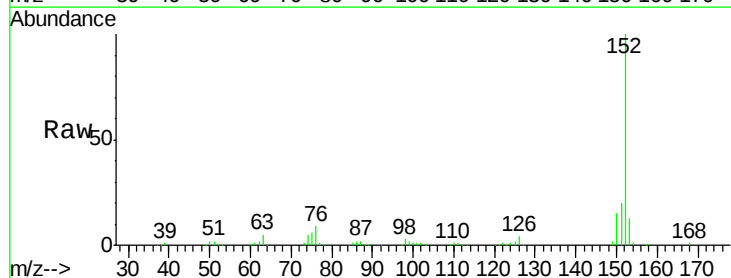
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

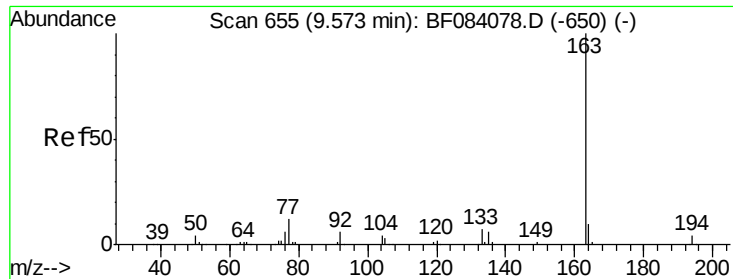
Tgt Ion: 65 Resp: 73252  
 Ion Ratio Lower Upper  
 65 100  
 92 78.7 53.4 80.2  
 138 138.8 71.1 106.7#



#48  
 Acenaphthylene  
 Concen: 37.09 ng  
 RT: 9.70 min Scan# 666  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion: 152 Resp: 384351  
 Ion Ratio Lower Upper  
 152 100  
 151 20.5 16.3 24.5  
 153 13.4 10.4 15.6





#49

Dimethylphthalate

Concen: 38.95 ng

RT: 9.57 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

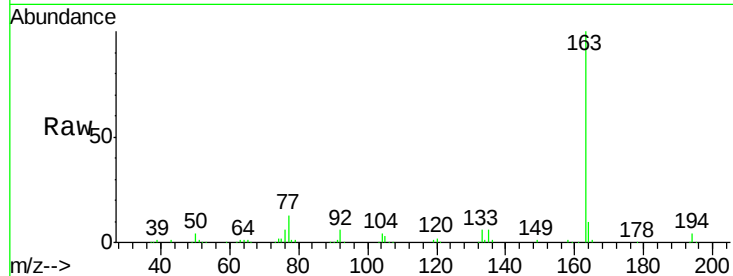
Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

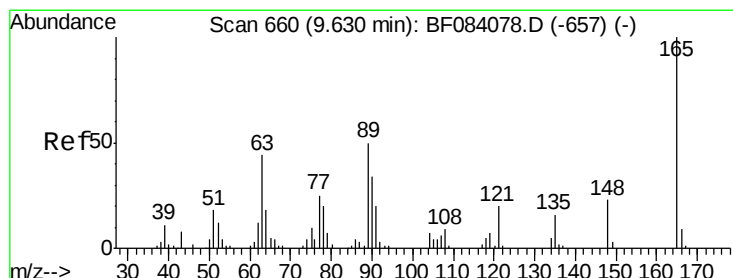
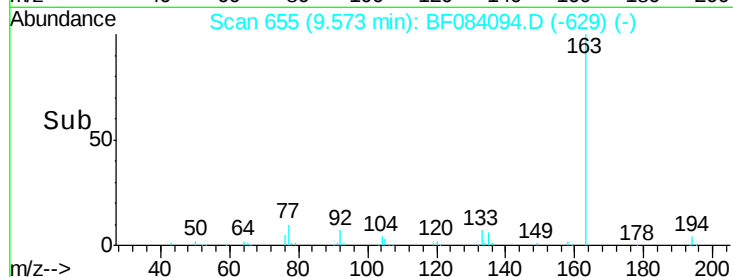
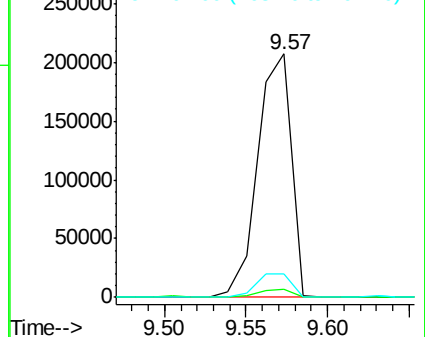
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 296384 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.6   | 8.0   | 12.0#  |
| 164       | 9.6   | 8.0   | 12.0   |



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 44.02 ng

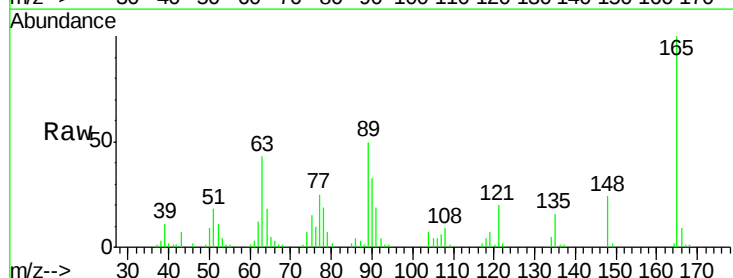
RT: 9.63 min Scan# 660

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

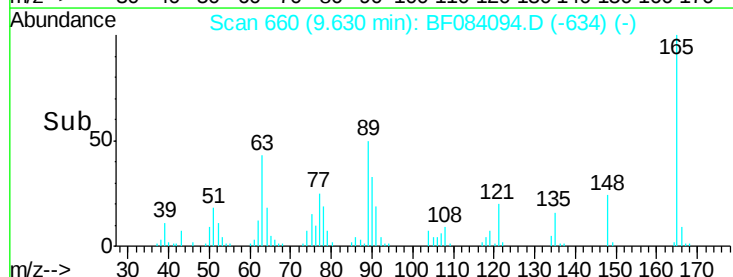
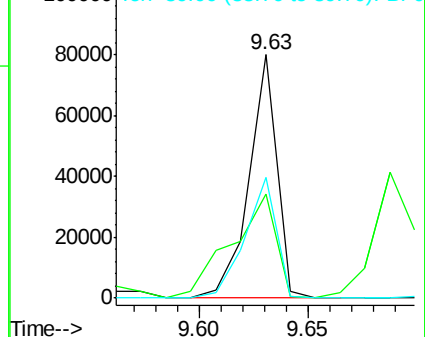
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 71105 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 42.9  | 28.8  | 43.2  |
| 89        | 49.8  | 35.1  | 52.7  |

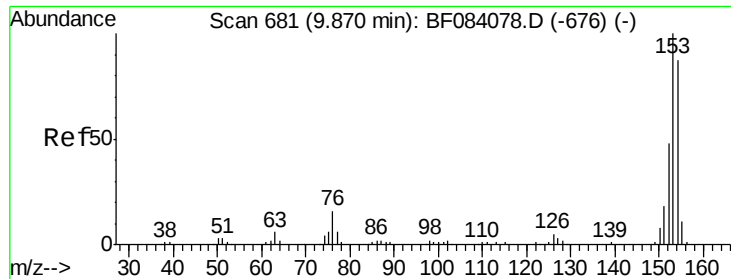


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

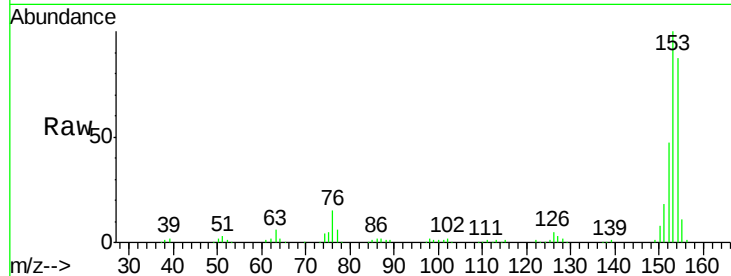




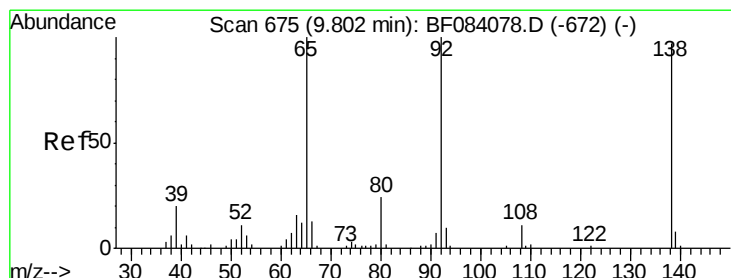
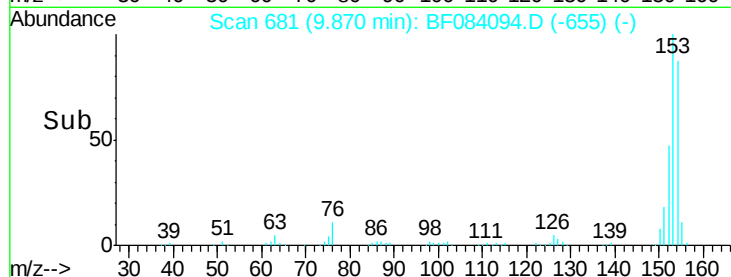
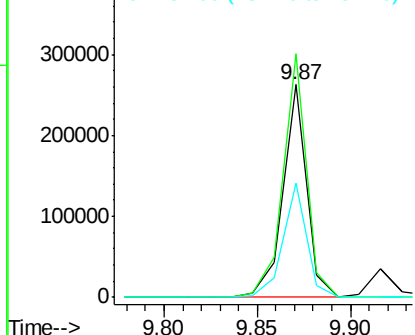
#51  
Acenaphthene  
Concen: 38.51 ng  
RT: 9.87 min Scan# 681  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

Tgt Ion:154 Resp: 232085  
Ion Ratio Lower Upper  
154 100  
153 114.5 91.5 137.3  
152 53.9 43.0 64.6

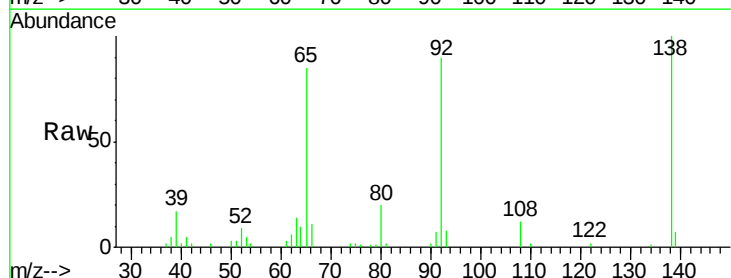


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

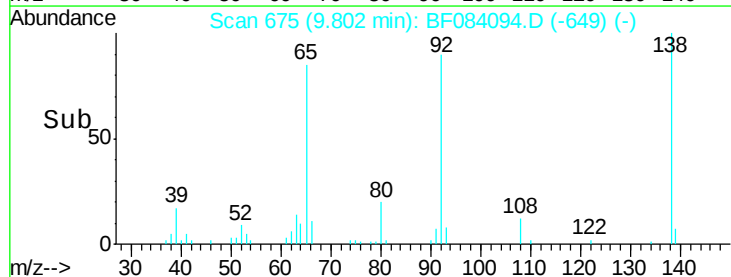
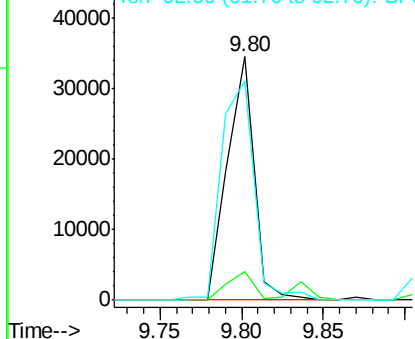


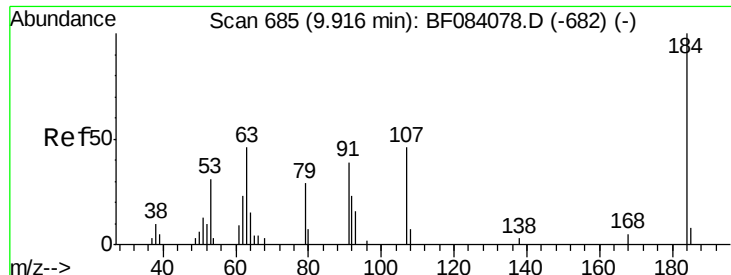
#52  
3-Nitroaniline  
Concen: 22.37 ng  
RT: 9.80 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:138 Resp: 38770  
Ion Ratio Lower Upper  
138 100  
108 11.7 10.5 15.7  
92 89.8 103.9 155.9#



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

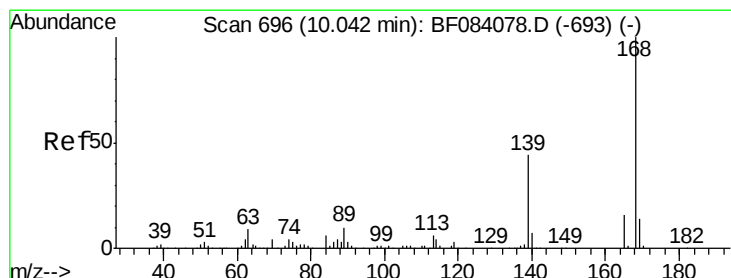
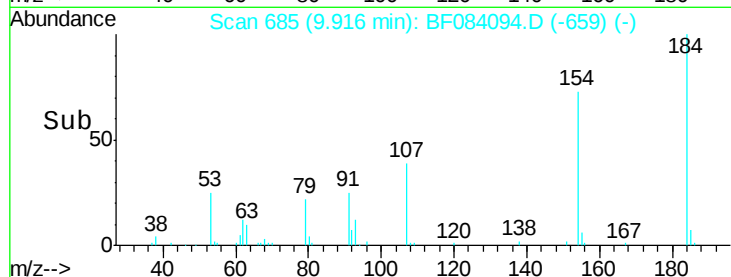
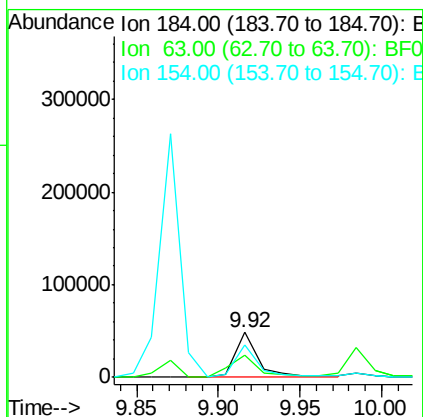
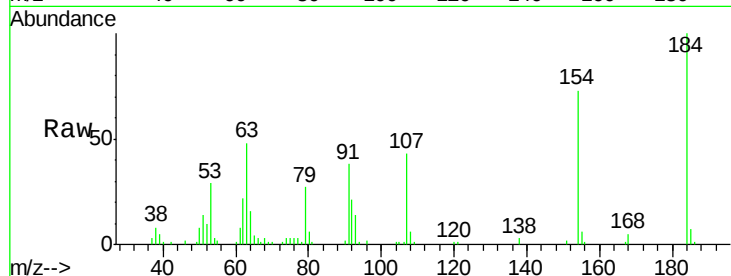




#53  
 2,4-Dinitrophenol  
 Concen: 78.27 ng  
 RT: 9.92 min Scan# 685  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

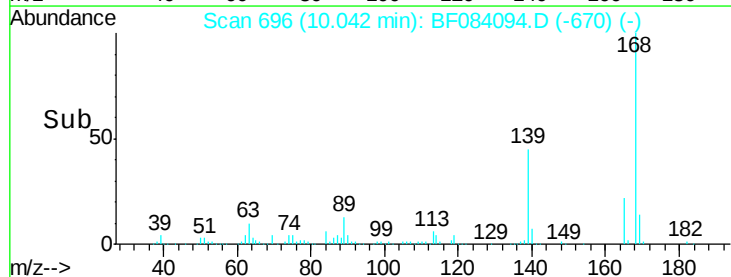
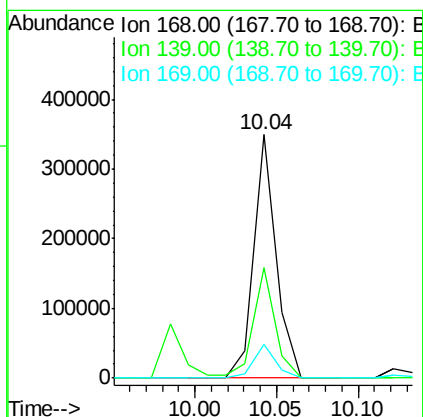
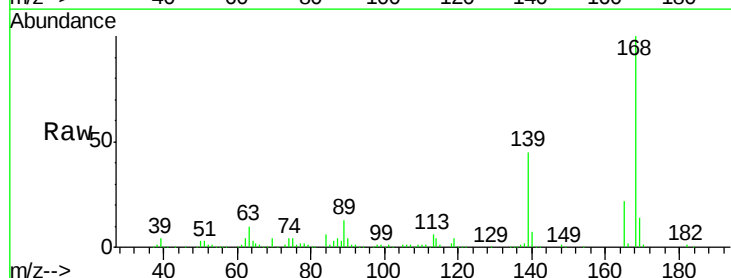
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

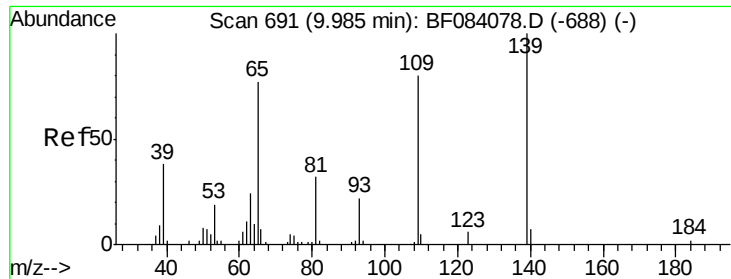
Tgt Ion:184 Resp: 48659  
 Ion Ratio Lower Upper  
 184 100  
 63 47.7 43.1 64.7  
 154 72.7 60.5 90.7



#54  
 Dibenzofuran  
 Concen: 40.12 ng  
 RT: 10.04 min Scan# 696  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:168 Resp: 332528  
 Ion Ratio Lower Upper  
 168 100  
 139 45.2 30.5 45.7  
 169 13.6 10.4 15.6

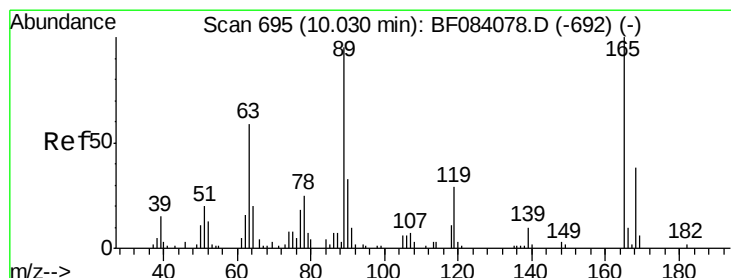
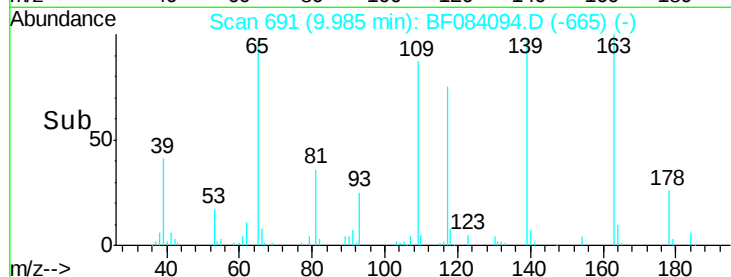
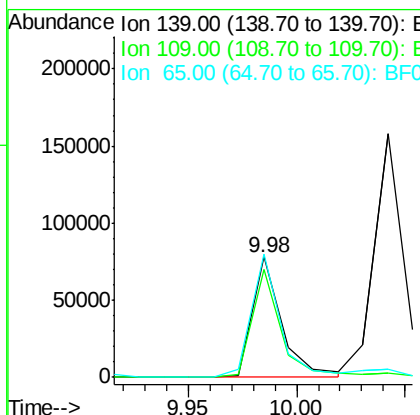
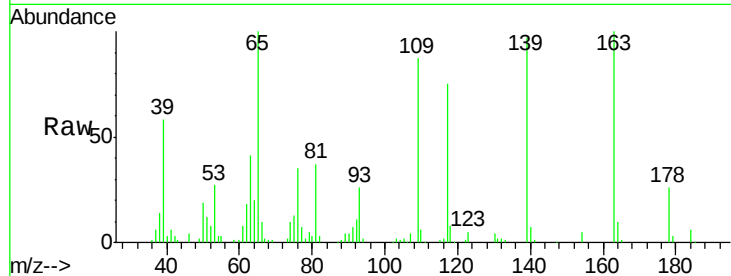




#55  
4-Nitrophenol  
Concen: 83.35 ng  
RT: 9.98 min Scan# 691  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

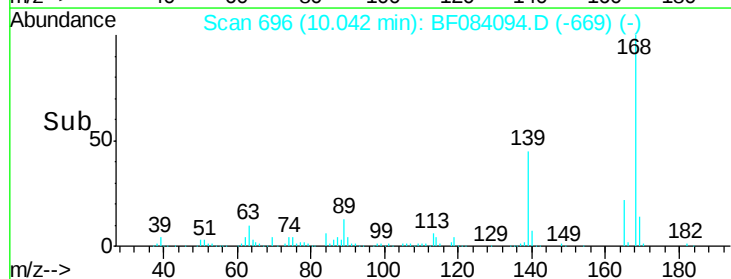
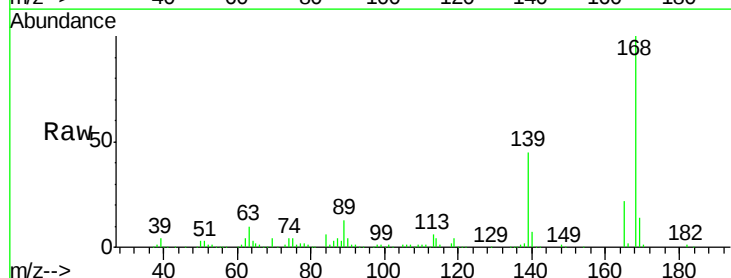
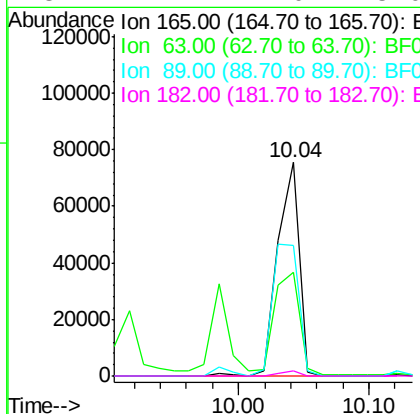
Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

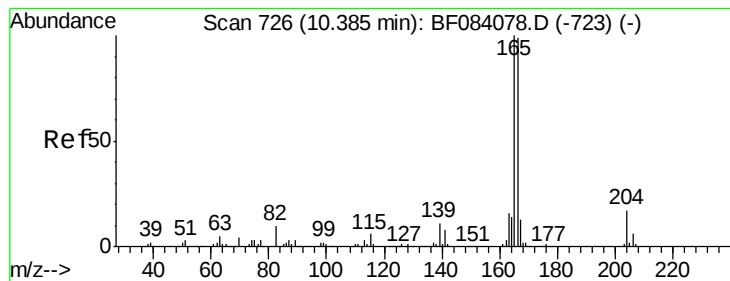
Tgt Ion:139 Resp: 73744  
Ion Ratio Lower Upper  
139 100  
109 89.8 58.5 98.5  
65 102.3 57.6 97.6#



#56  
2,4-Dinitrotoluene  
Concen: 41.26 ng  
RT: 10.04 min Scan# 696  
Delta R.T. 0.01 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:165 Resp: 87976  
Ion Ratio Lower Upper  
165 100  
63 48.6 36.7 55.1  
89 61.2 61.9 92.9#  
182 2.4 2.0 3.0





#57

Fluorene

Concen: 38.41 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

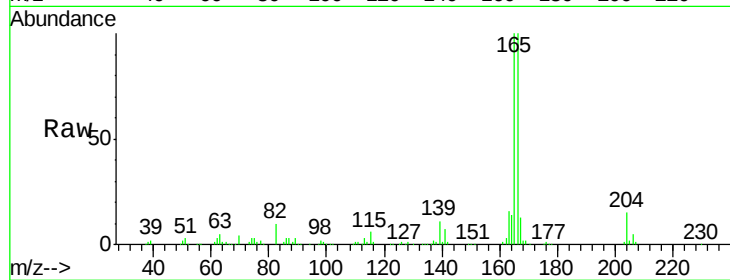
Tgt Ion:166 Resp: 270596

Ion Ratio Lower Upper

166 100

165 100.4 79.1 118.7

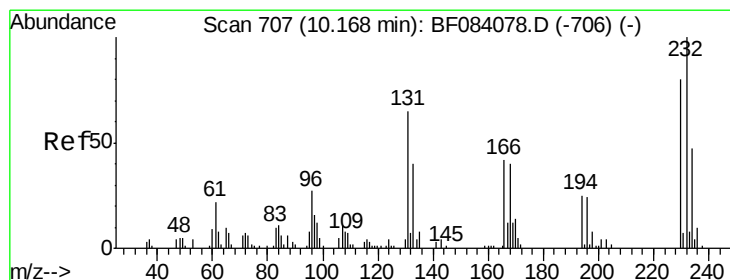
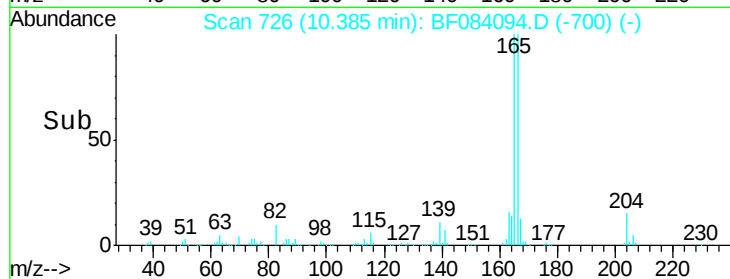
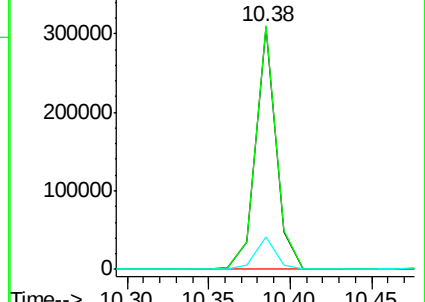
167 13.3 10.4 15.6



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: 43.03 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Tgt Ion:232 Resp: 57975

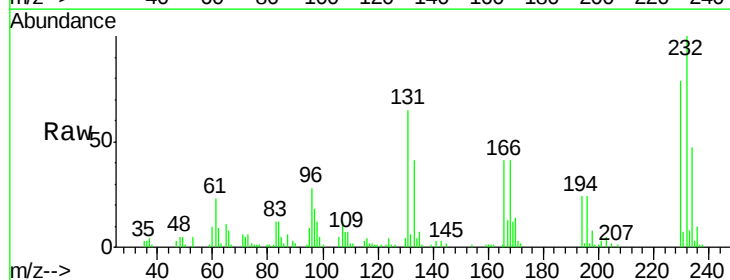
Ion Ratio Lower Upper

232 100

131 60.4 47.0 70.6

130 3.0 2.0 3.0

166 38.4 30.5 45.7

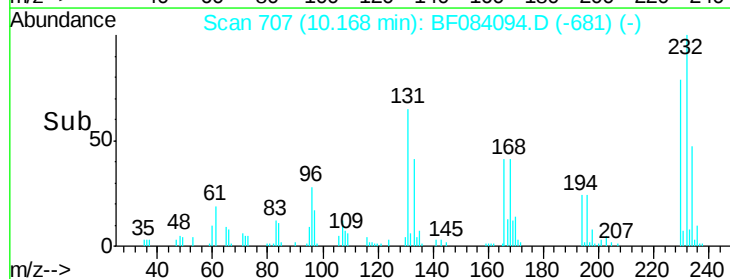
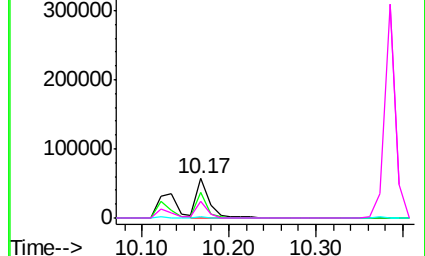


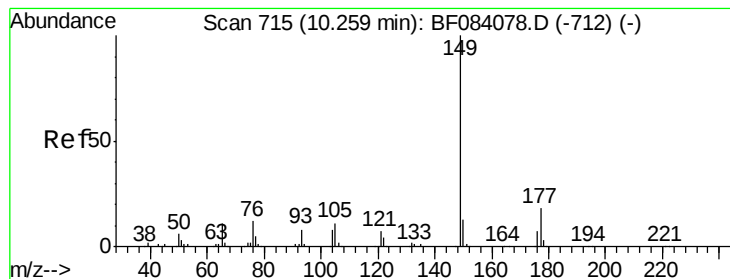
Abundance Ion 232.00 (231.70 to 232.70): E

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: 37.70 ng

RT: 10.27 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

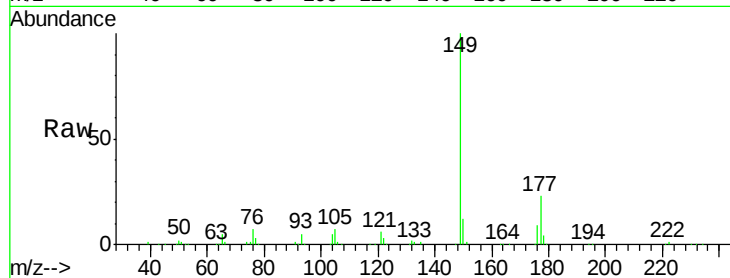
Tgt Ion:149 Resp: 291407

Ion Ratio Lower Upper

149 100

177 22.6 17.3 25.9

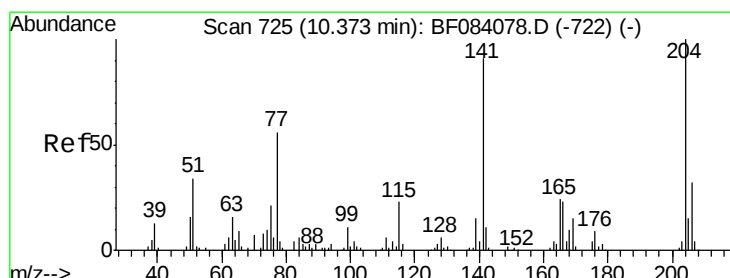
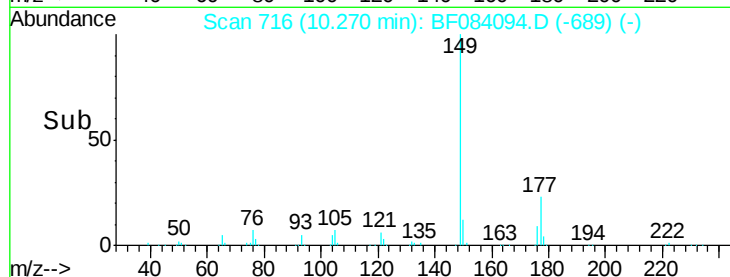
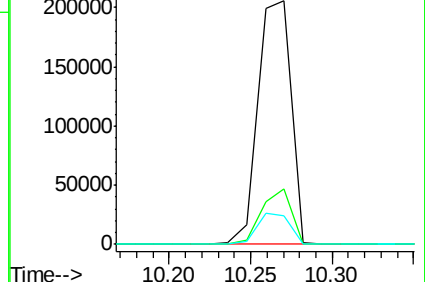
150 11.9 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 34.45 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

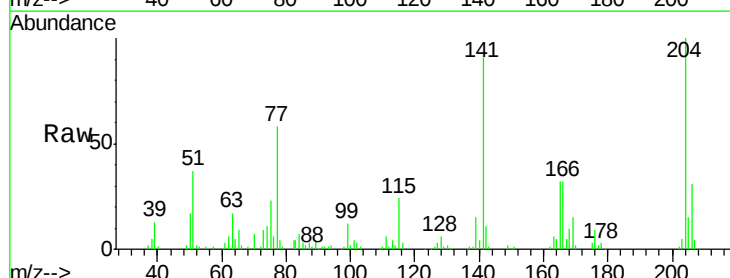
Tgt Ion:204 Resp: 111912

Ion Ratio Lower Upper

204 100

206 31.5 25.7 38.5

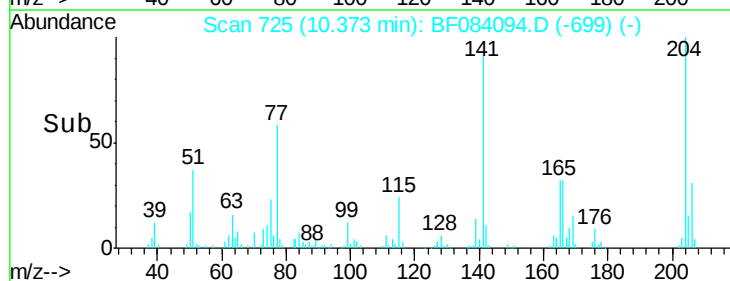
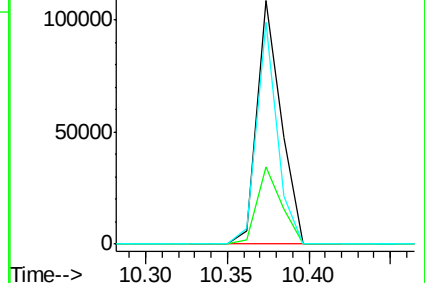
141 91.4 55.1 82.7#

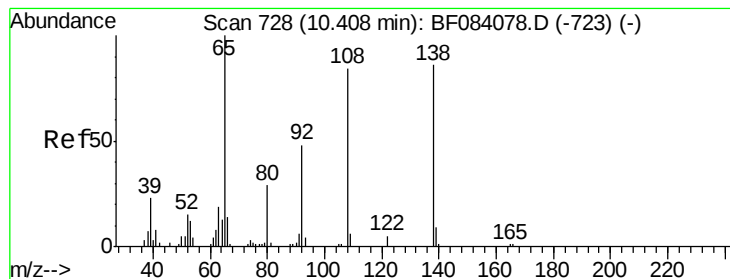


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.20 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

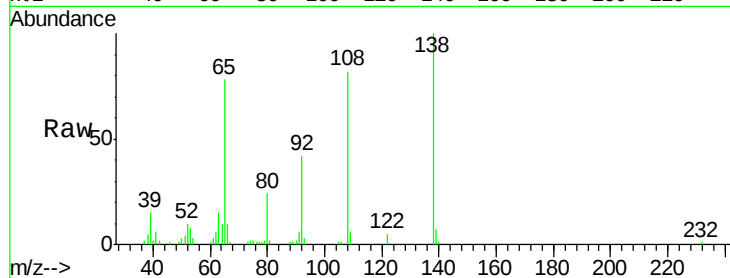
Tgt Ion:138 Resp: 72416

Ion Ratio Lower Upper

138 100

92 42.0 32.6 72.6

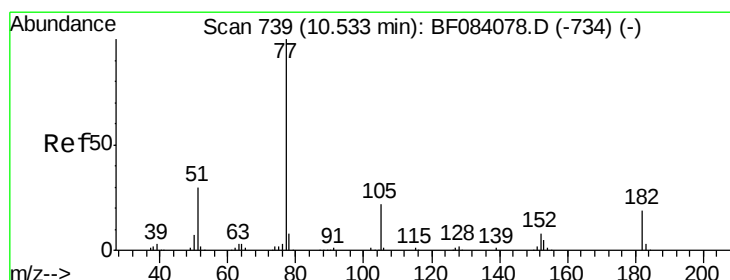
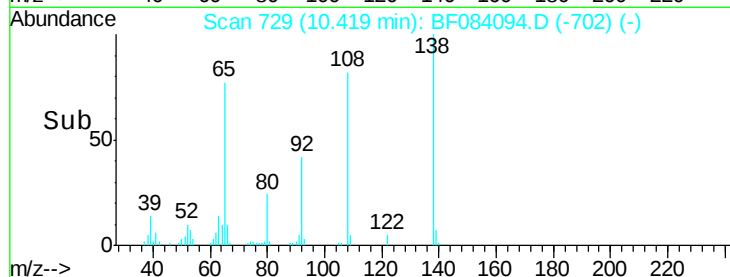
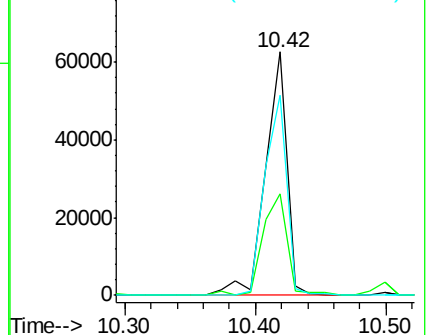
108 82.2 68.6 108.6



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: 42.40 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Tgt Ion: 77 Resp: 270035

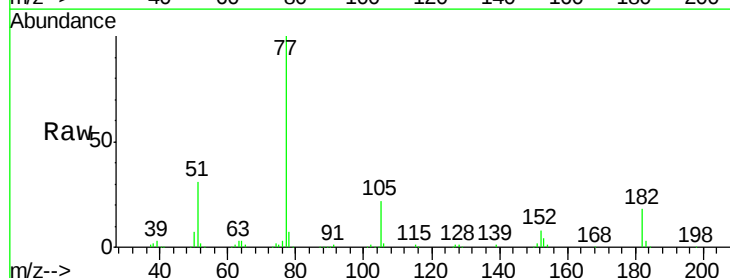
Ion Ratio Lower Upper

77 100

182 17.9 8.3 48.3

105 21.8 4.6 44.6

51 30.6 6.2 46.2

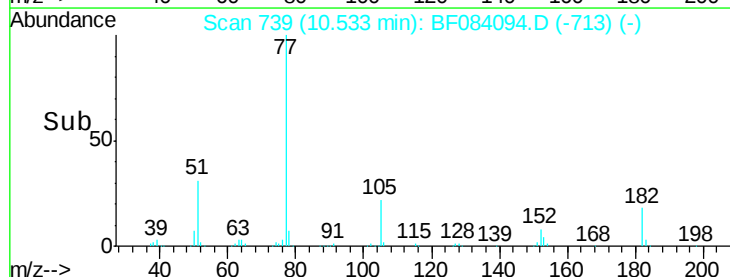
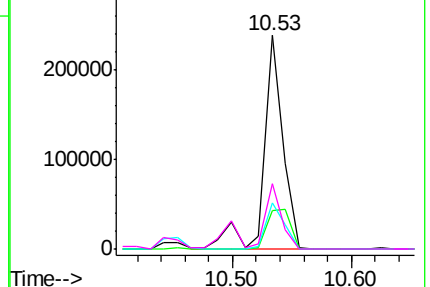


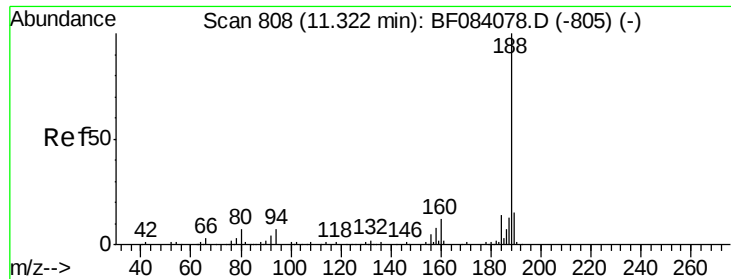
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

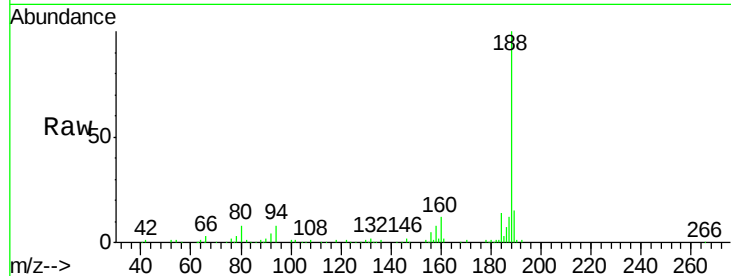




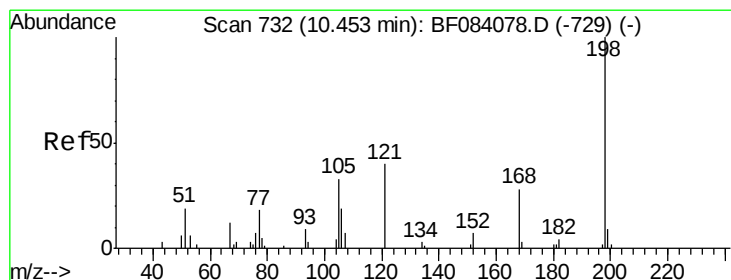
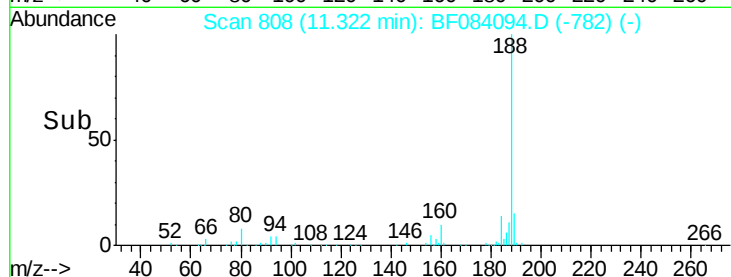
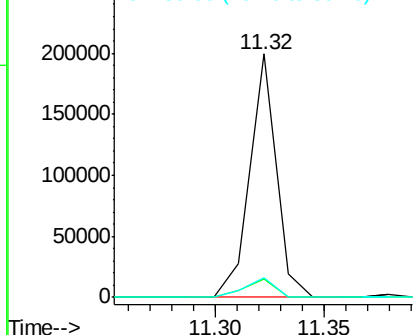
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 808  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

Tgt Ion:188 Resp: 168625  
Ion Ratio Lower Upper  
188 100  
94 7.6 9.0 13.4#  
80 8.0 9.6 14.4#

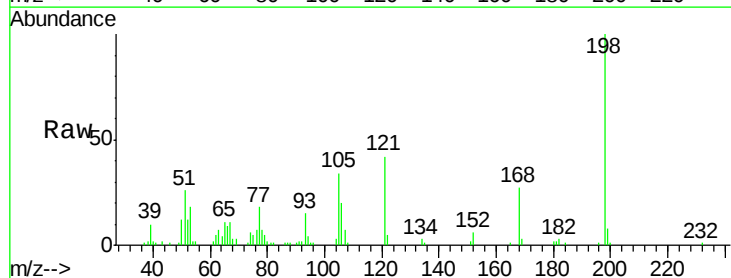


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

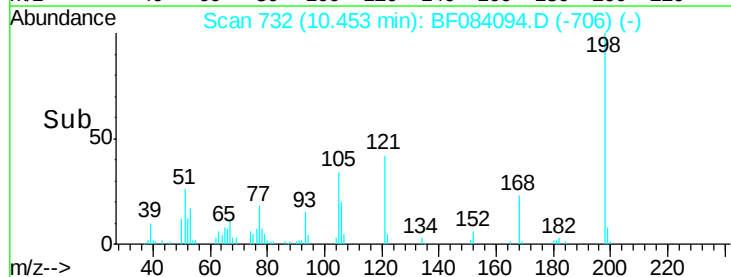
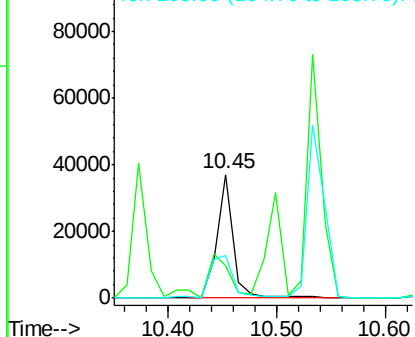


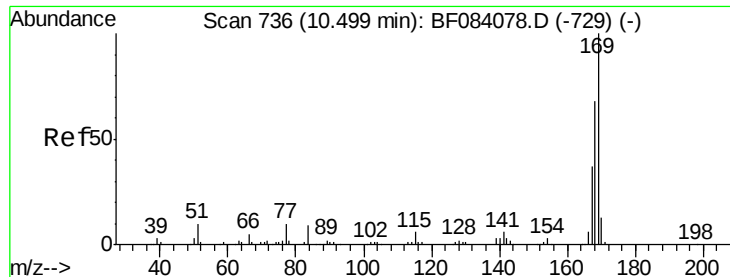
#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.89 ng  
RT: 10.45 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:198 Resp: 39202  
Ion Ratio Lower Upper  
198 100  
51 25.8 18.9 58.9  
105 34.2 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: 42.54 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

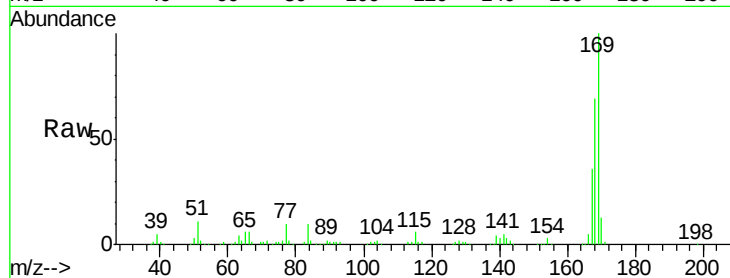
Tgt Ion:169 Resp: 255698

Ion Ratio Lower Upper

169 100

168 68.5 55.1 82.7

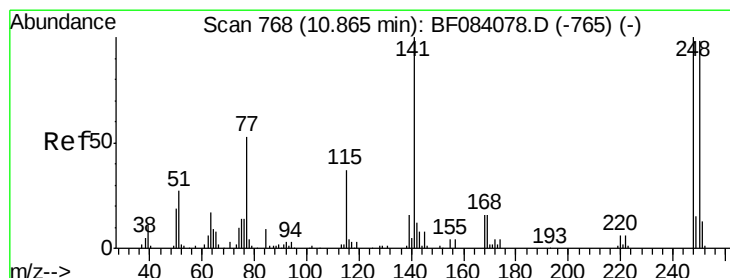
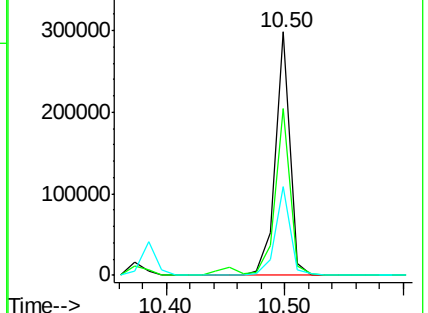
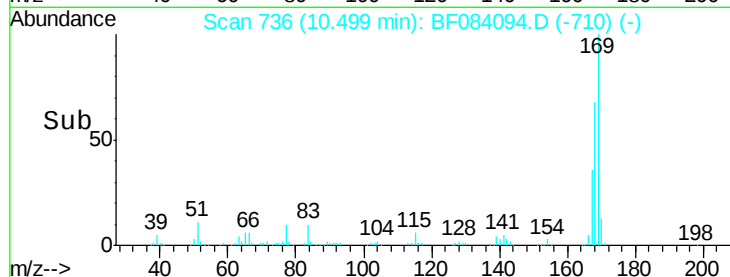
167 36.3 30.0 45.0



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: 39.43 ng

RT: 10.86 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

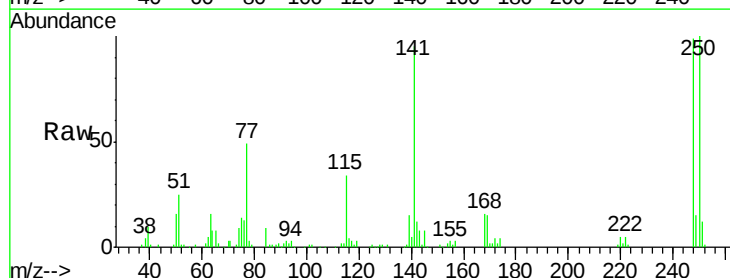
Tgt Ion:248 Resp: 77030

Ion Ratio Lower Upper

248 100

250 100.9 78.4 117.6

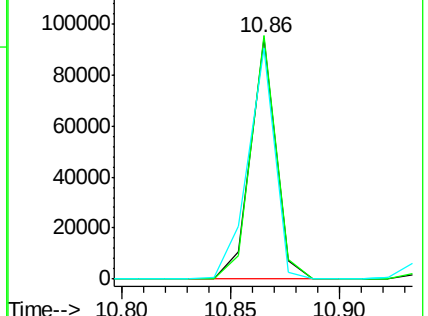
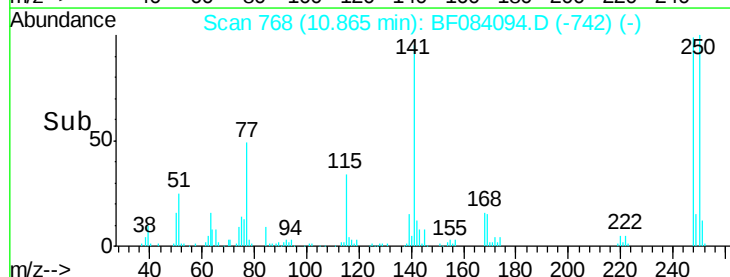
141 95.4 44.0 66.0#

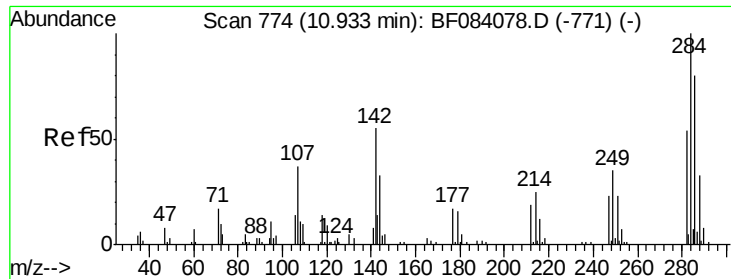


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

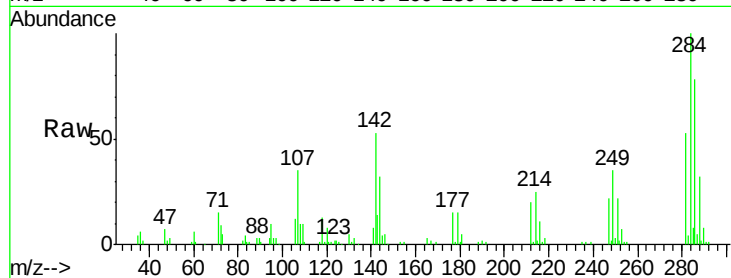




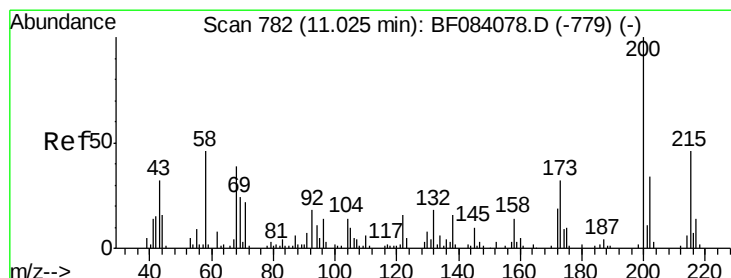
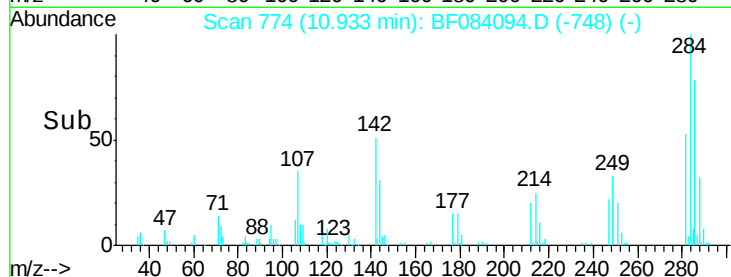
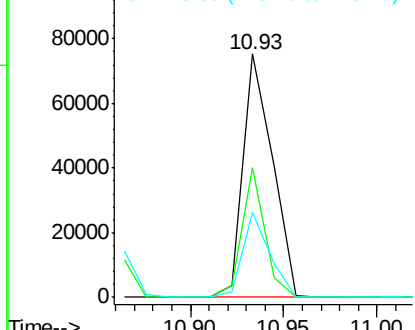
#67  
Hexachlorobenzene  
Concen: 38.42 ng  
RT: 10.93 min Scan# 774  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

Tgt Ion:284 Resp: 82176  
Ion Ratio Lower Upper  
284 100  
142 53.1 22.2 33.4#  
249 34.7 24.6 37.0

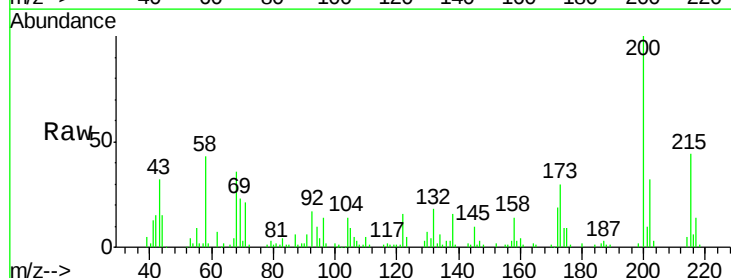


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

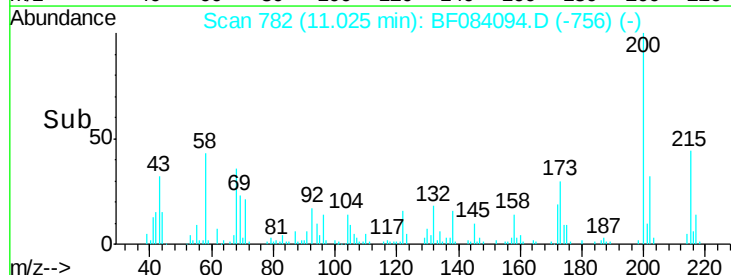
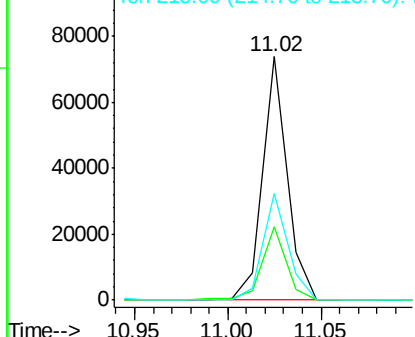


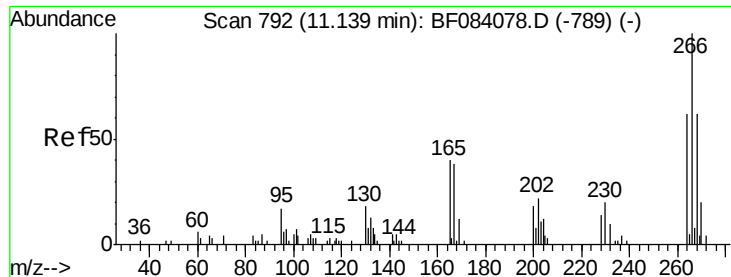
#68  
Atrazine  
Concen: 36.81 ng  
RT: 11.02 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:200 Resp: 66643  
Ion Ratio Lower Upper  
200 100  
173 30.1 9.5 49.5  
215 43.7 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

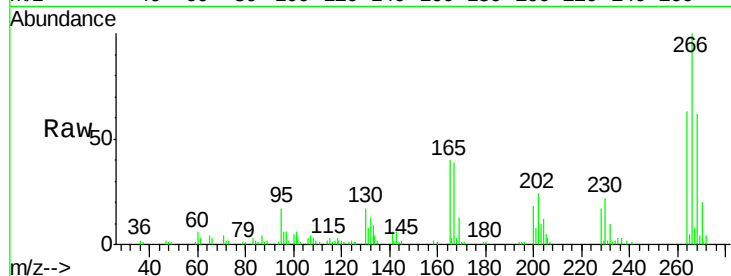




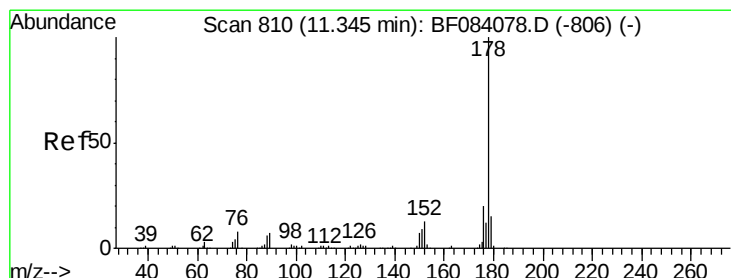
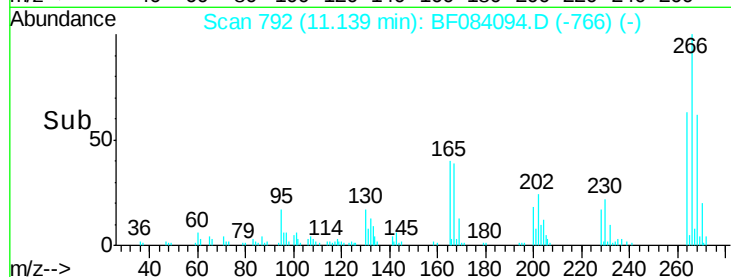
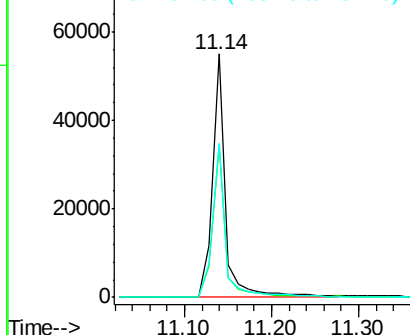
#69  
 Pentachlorophenol  
 Concen: 82.17 ng  
 RT: 11.14 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion:266 Resp: 57967  
 Ion Ratio Lower Upper  
 266 100  
 268 62.2 52.4 78.6  
 264 63.3 50.2 75.2

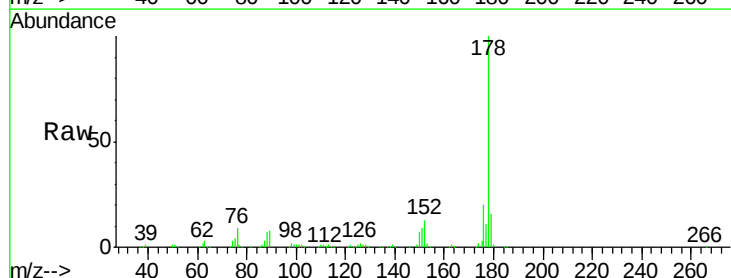


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

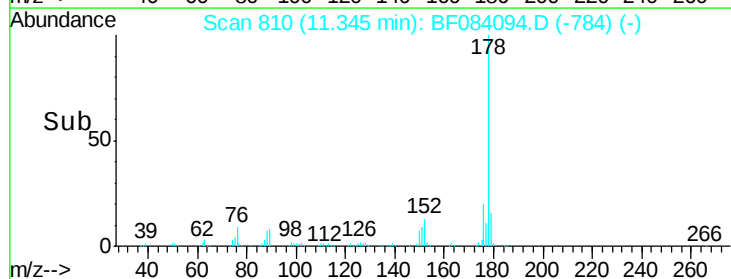
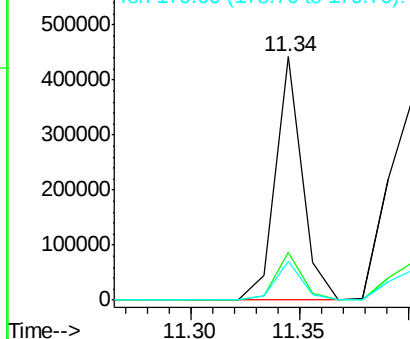


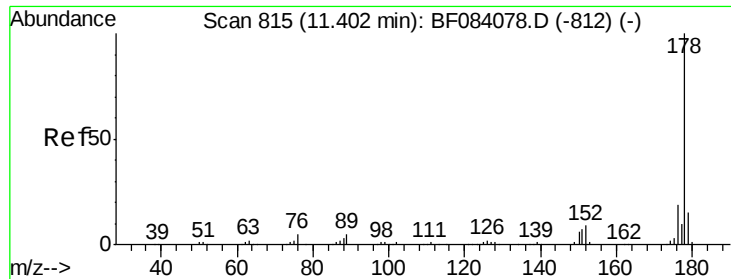
#70  
 Phenanthrene  
 Concen: 38.40 ng  
 RT: 11.34 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:178 Resp: 383841  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.3 22.9  
 179 16.1 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

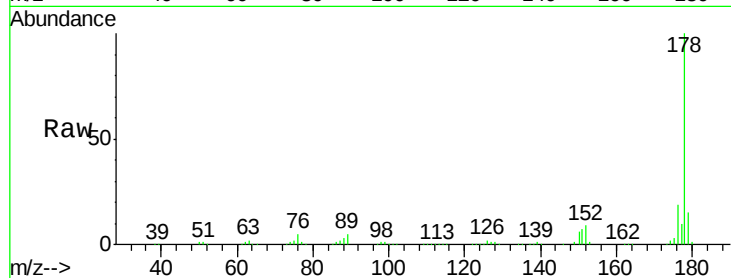




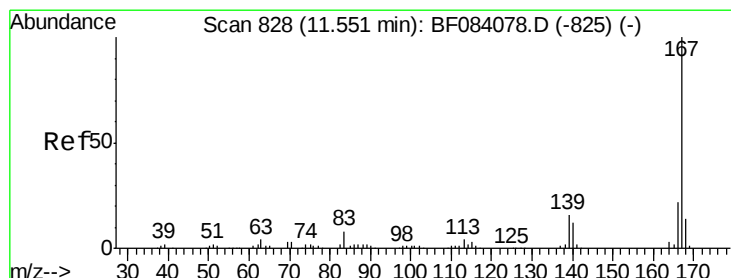
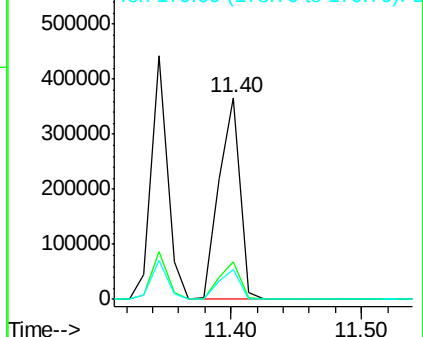
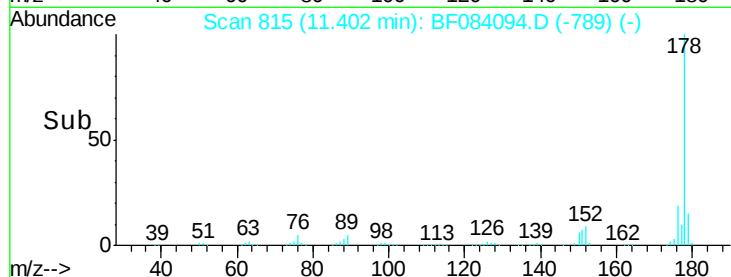
#71  
 Anthracene  
 Concen: 39.65 ng  
 RT: 11.40 min Scan# 815  
 Delta R.T. -0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion:178 Resp: 414506  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.4 23.0  
 179 15.0 12.5 18.7

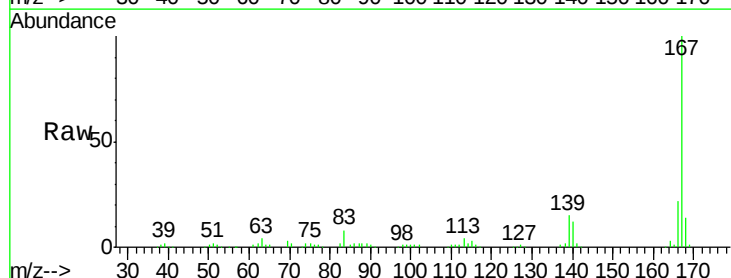


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

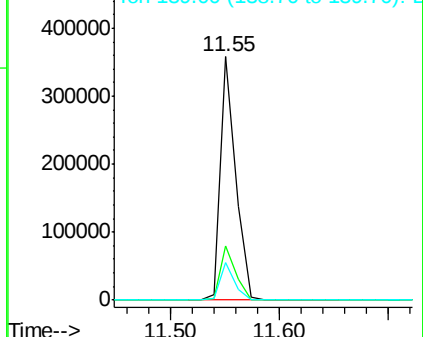
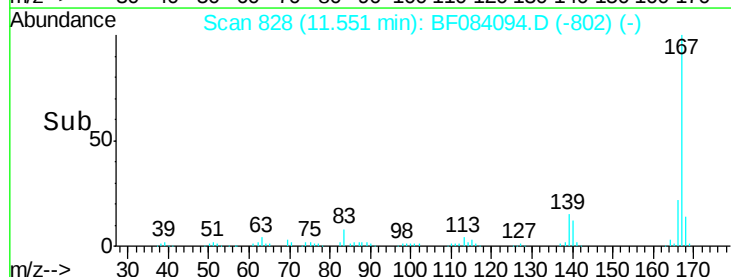


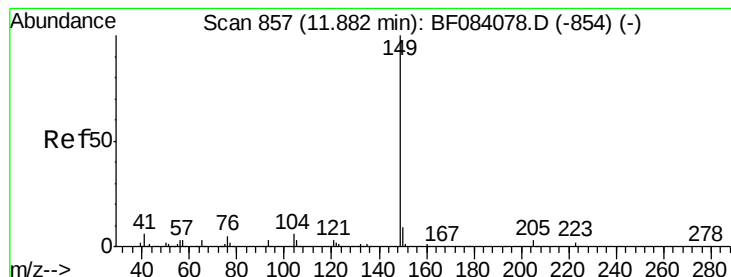
#72  
 Carbazole  
 Concen: 39.56 ng  
 RT: 11.55 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion:167 Resp: 351765  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.6 26.4  
 139 15.3 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: 38.36 ng

RT: 11.88 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

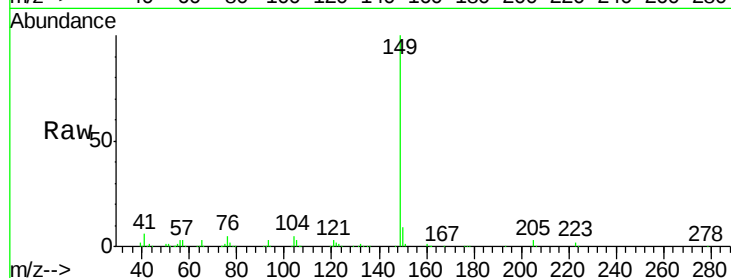
Tgt Ion:149 Resp: 439498

Ion Ratio Lower Upper

149 100

150 9.3 7.1 10.7

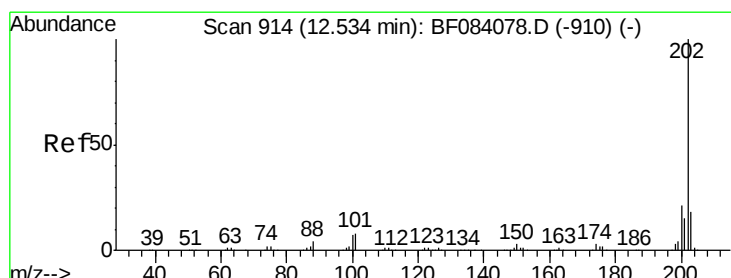
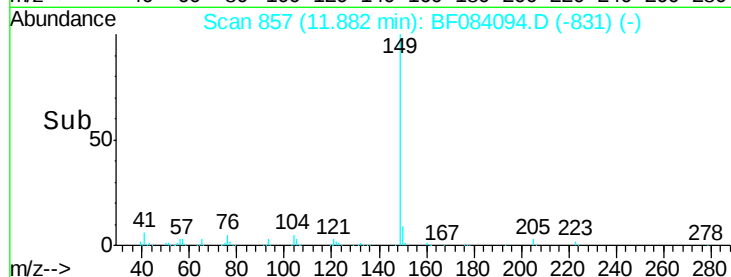
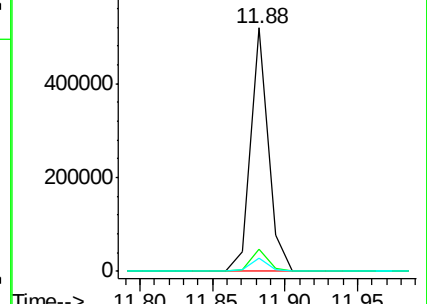
104 5.4 3.2 4.8#



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: 40.76 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

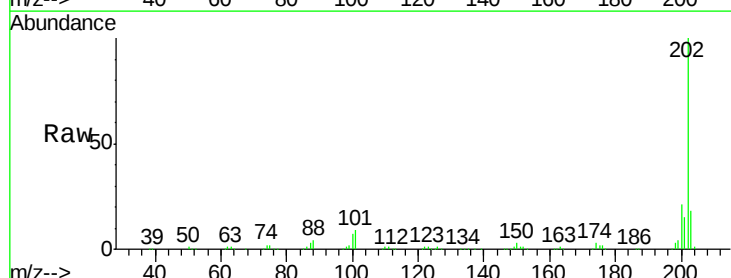
Tgt Ion:202 Resp: 433223

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.8

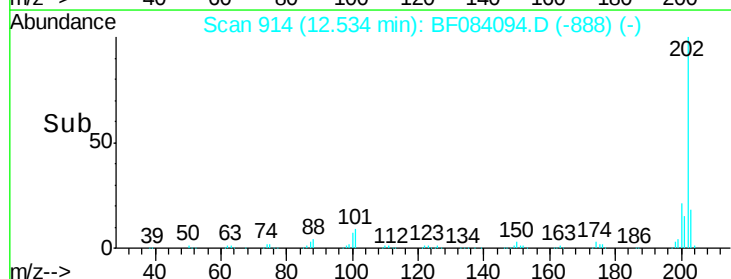
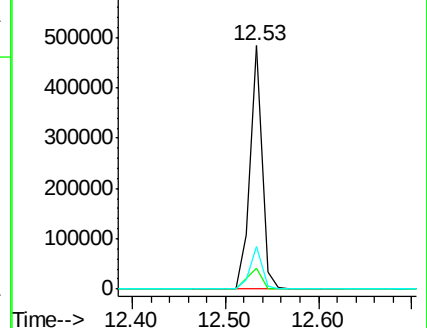
203 17.7 0.0 37.9

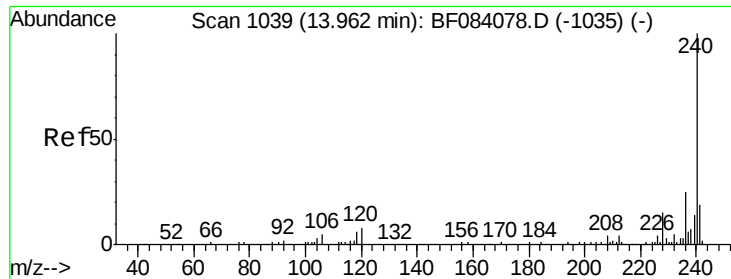


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

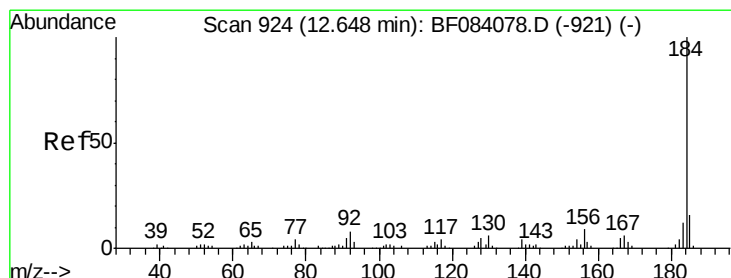
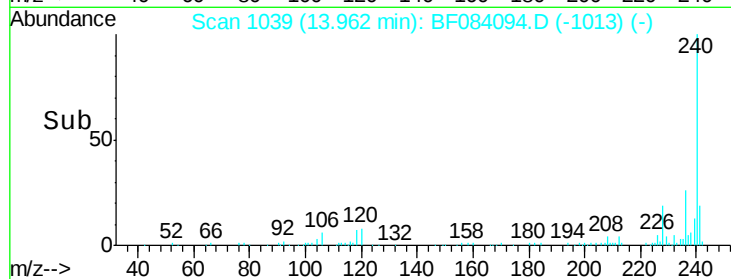
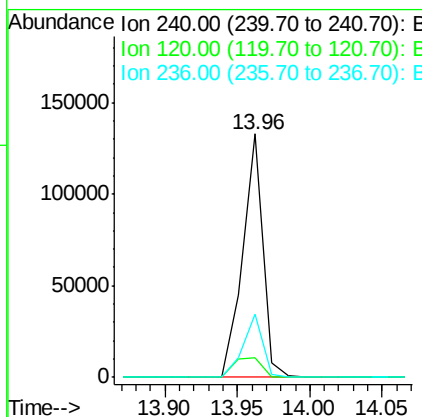
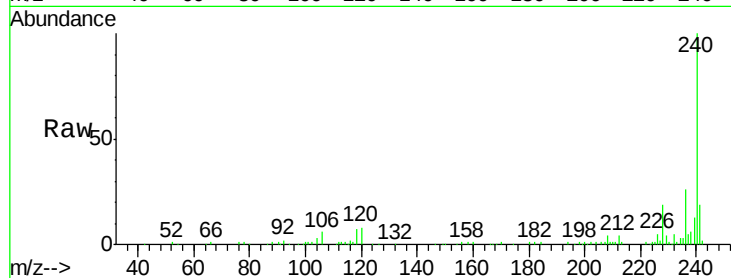




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.96 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

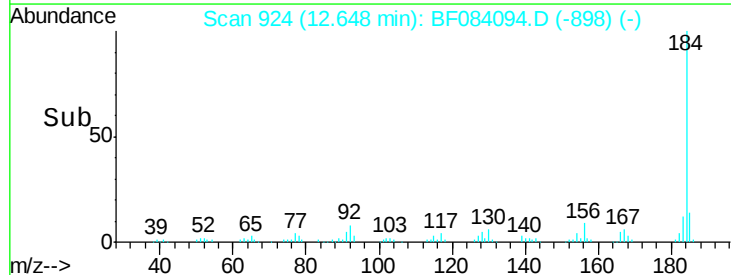
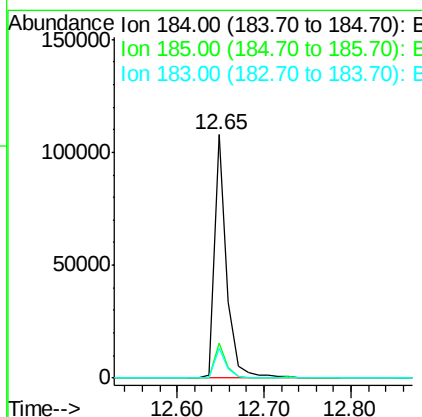
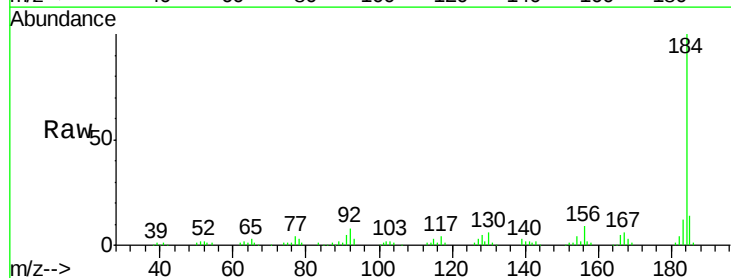
Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

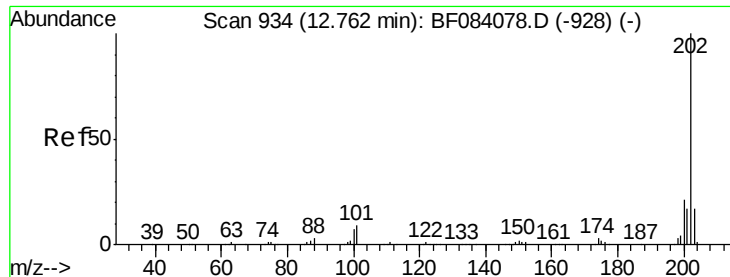
Tgt Ion:240 Resp: 128764  
Ion Ratio Lower Upper  
240 100  
120 7.9 9.5 14.3#  
236 25.8 20.6 31.0



#76  
Benzidine  
Concen: 24.43 ng  
RT: 12.65 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:184 Resp: 106898  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.2 18.2  
183 12.2 9.8 14.8

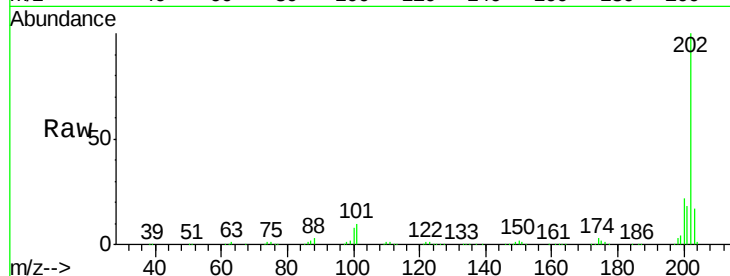




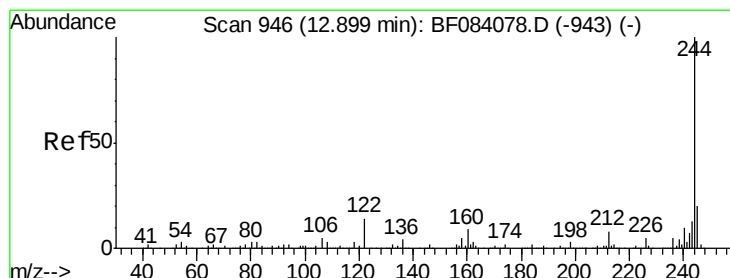
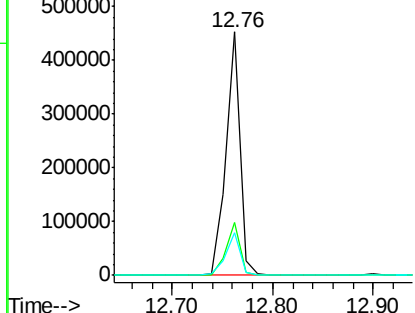
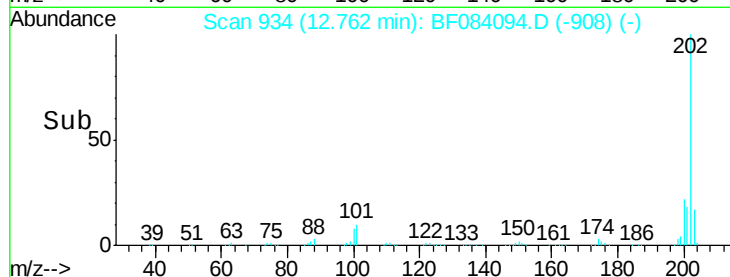
#77  
 Pyrene  
 Concen: 39.33 ng  
 RT: 12.76 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion: 202 Resp: 436943  
 Ion Ratio Lower Upper  
 202 100  
 200 21.6 17.2 25.8  
 203 17.4 14.3 21.5

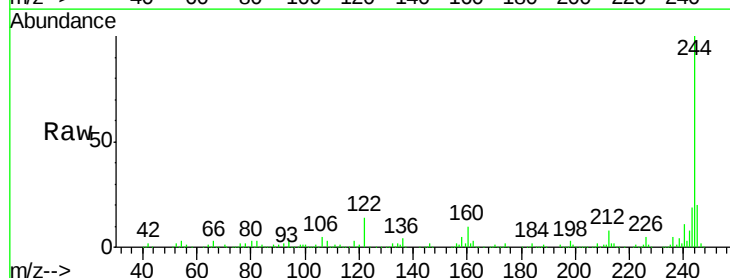


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

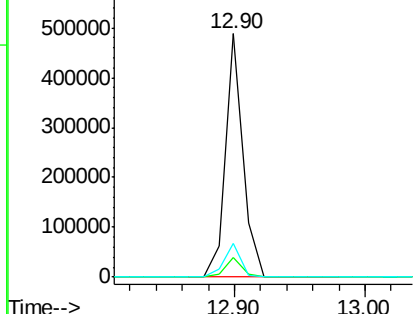
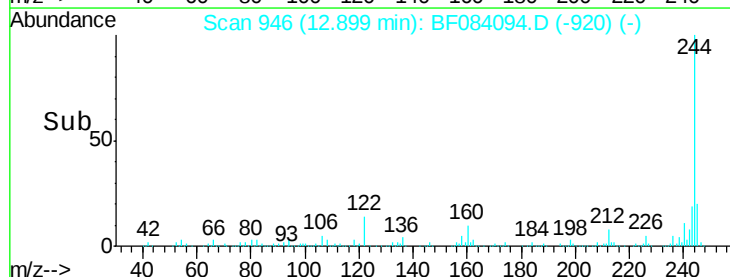


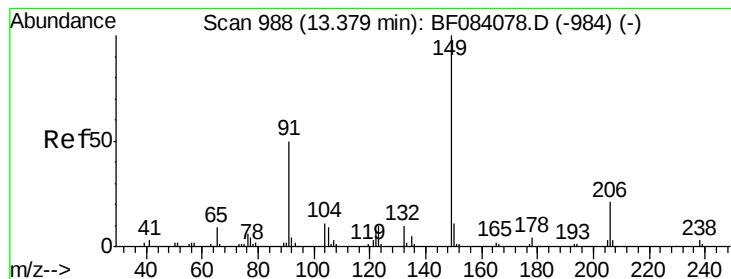
#78  
 Terphenyl-d14  
 Concen: 63.82 ng  
 RT: 12.90 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion: 244 Resp: 454172  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 5.7 8.5  
 122 13.9 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: 40.38 ng

RT: 13.38 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

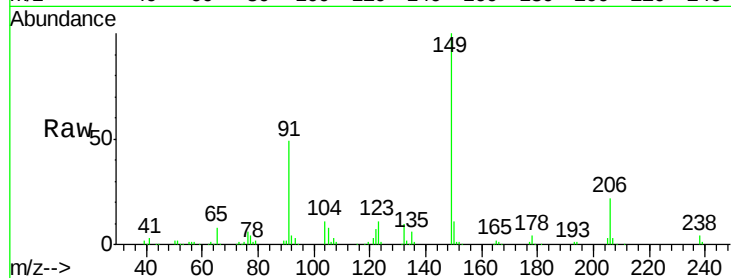
Tgt Ion:149 Resp: 185707

Ion Ratio Lower Upper

149 100

91 48.8 57.6 86.4#

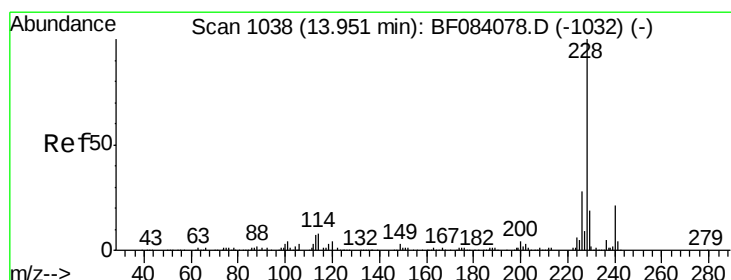
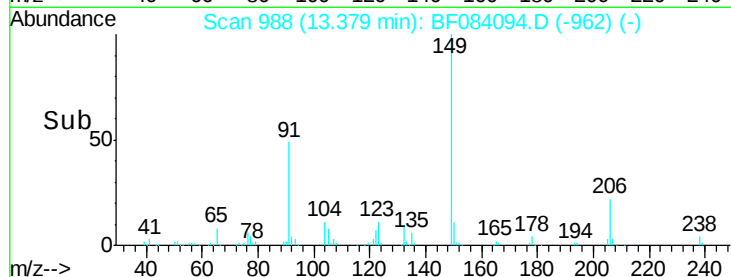
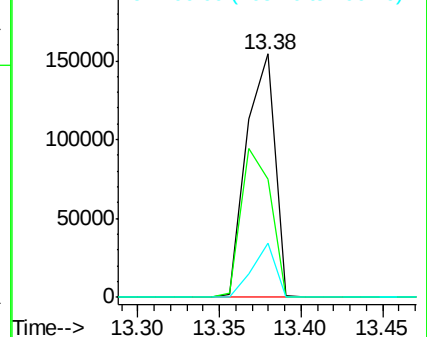
206 22.2 13.2 19.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 40.33 ng

RT: 13.95 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

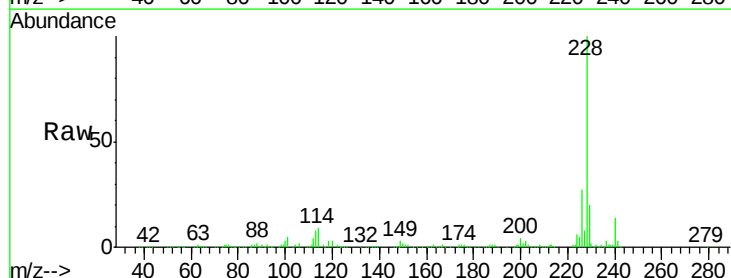
Tgt Ion:228 Resp: 319446

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.6

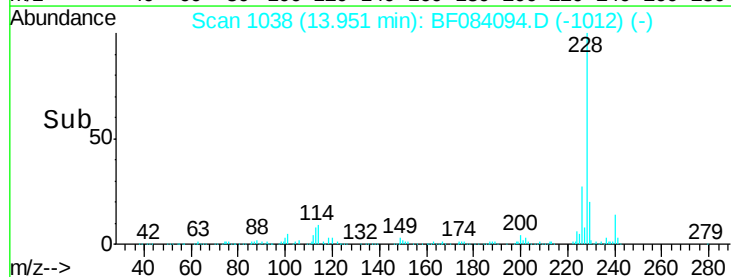
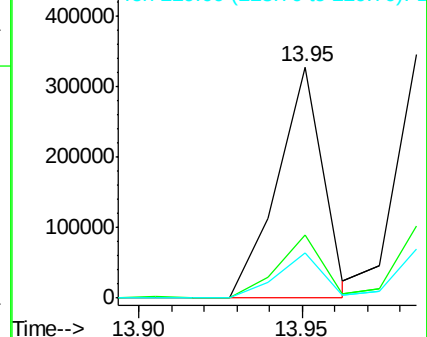
229 19.5 15.8 23.8

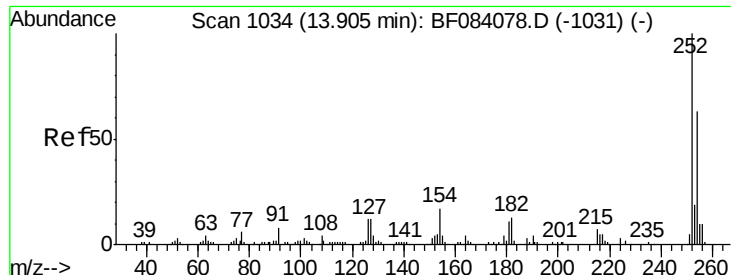


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

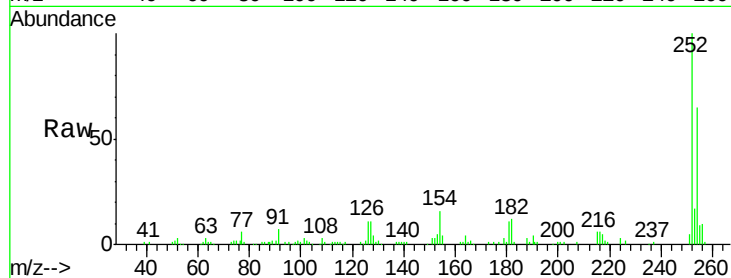




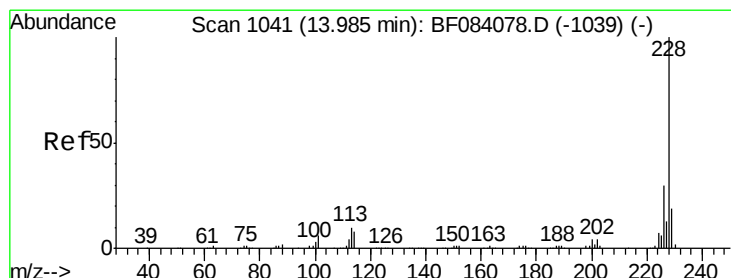
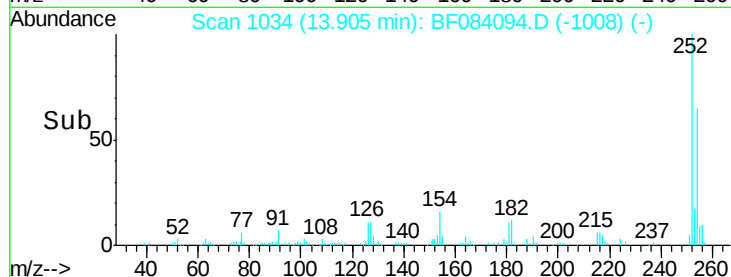
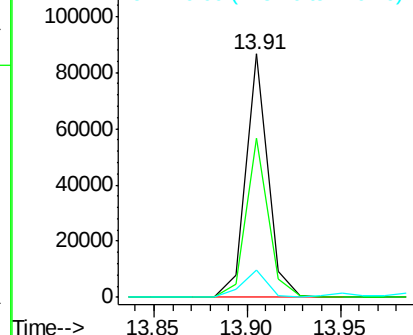
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.92 ng  
 RT: 13.91 min Scan# 1034  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

Tgt Ion: 252 Resp: 71756  
 Ion Ratio Lower Upper  
 252 100  
 254 65.1 53.5 80.3  
 126 11.2 4.9 7.3#

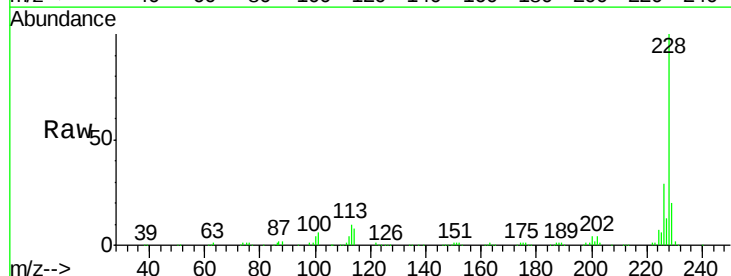


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

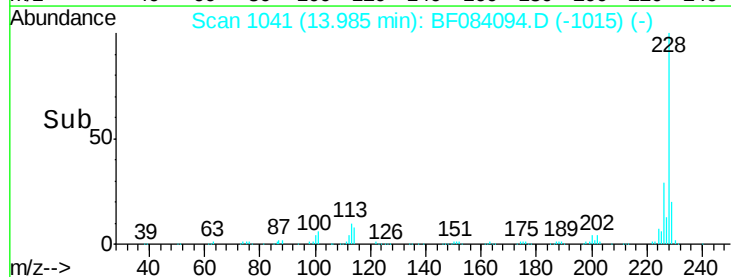
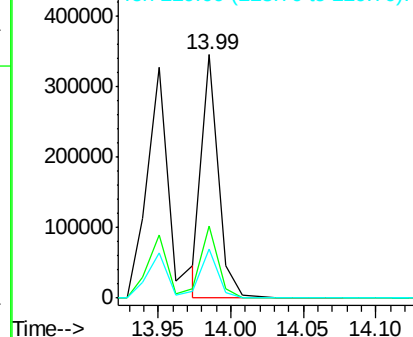


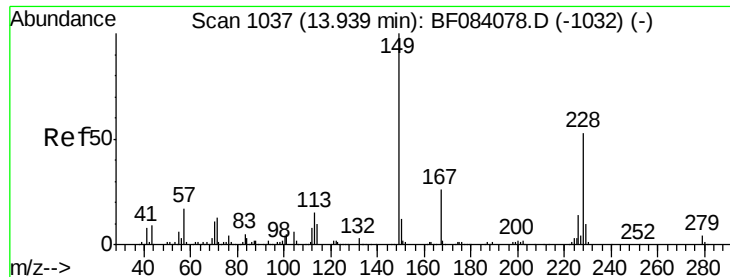
#82  
 Chrysene  
 Concen: 37.59 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

Tgt Ion: 228 Resp: 274520  
 Ion Ratio Lower Upper  
 228 100  
 226 29.5 24.3 36.5  
 229 19.9 16.1 24.1



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.45 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

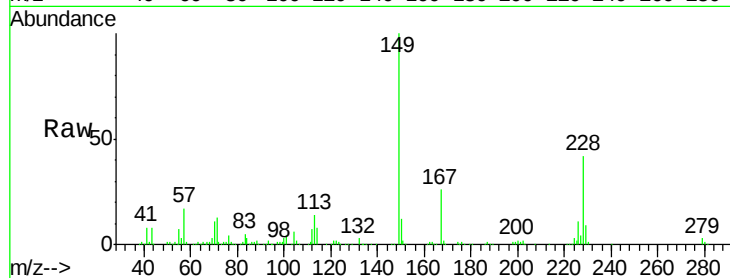
Tgt Ion:149 Resp: 252208

Ion Ratio Lower Upper

149 100

167 26.1 19.7 29.5

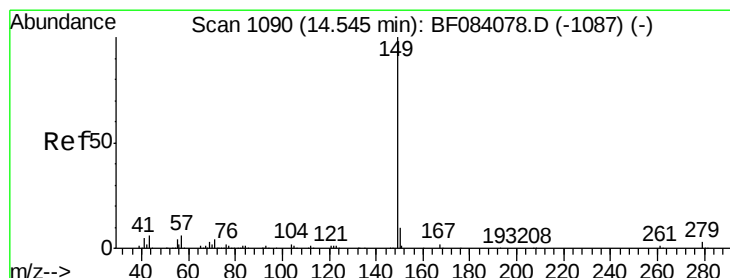
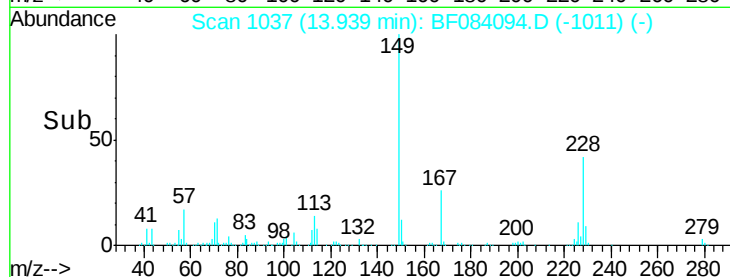
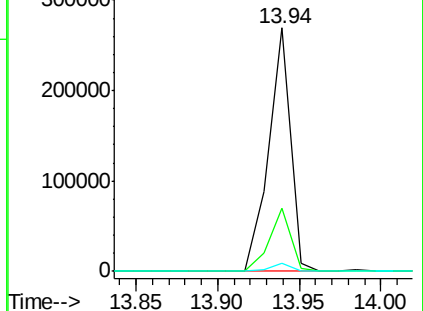
279 3.4 1.8 2.6#



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: 44.38 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

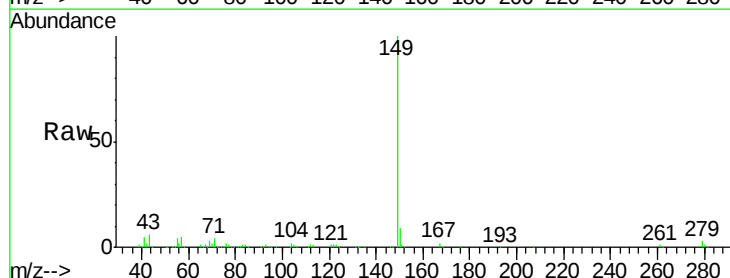
Tgt Ion:149 Resp: 371022

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

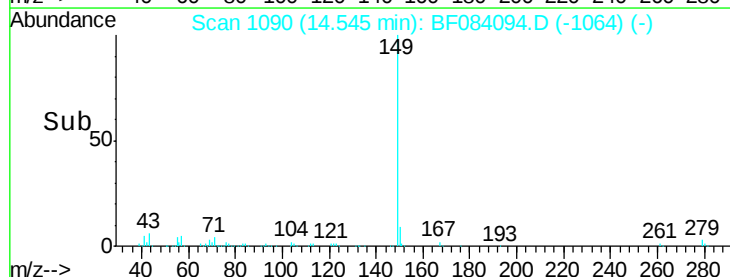
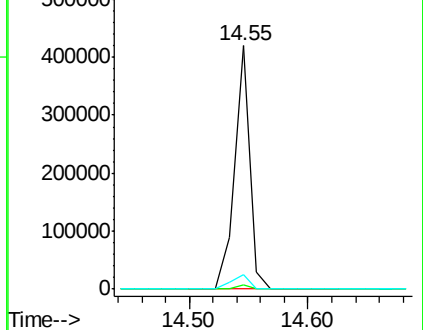
43 6.8 5.6 8.4

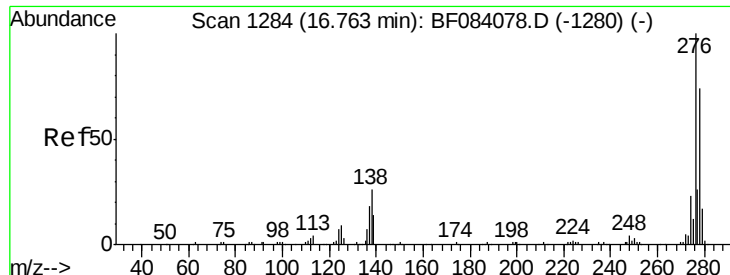


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

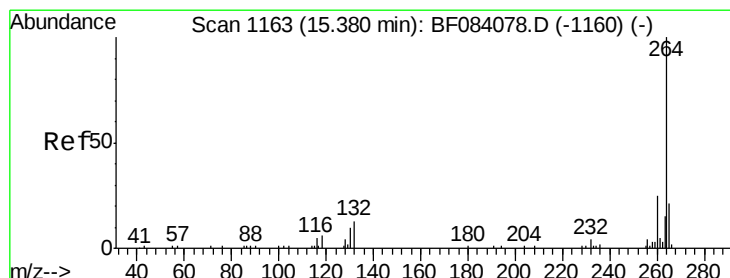
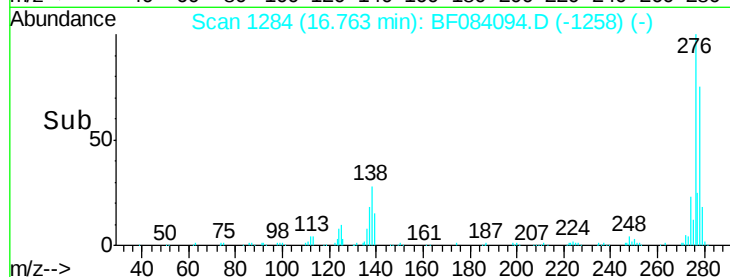
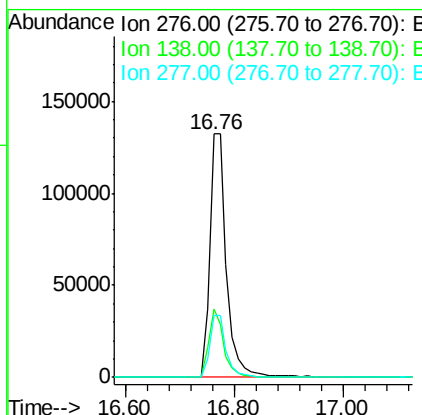
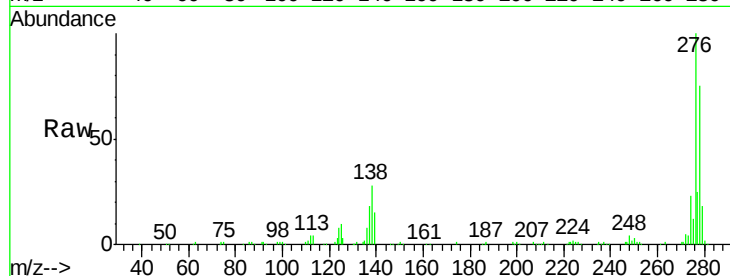




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.71 ng  
 RT: 16.76 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

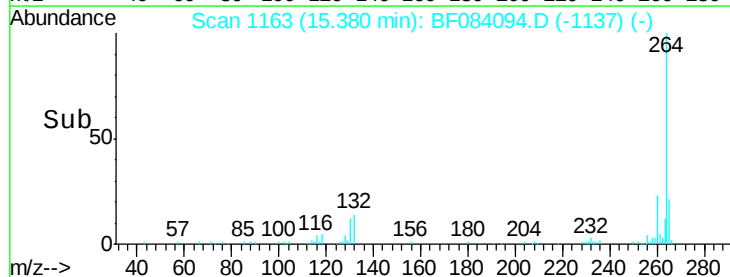
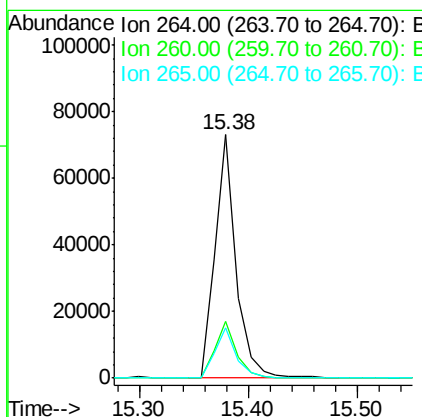
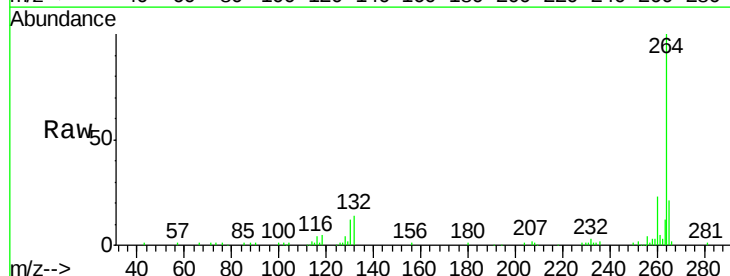
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87153BSD

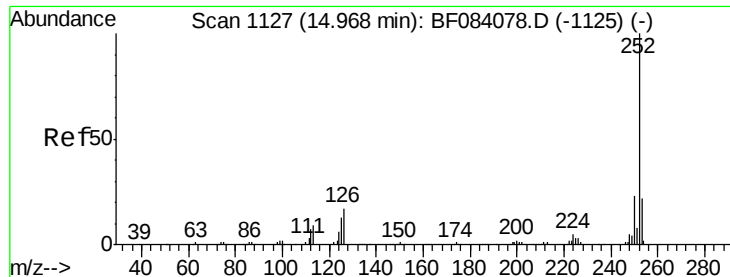
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.0  | 20.6  | 30.8  |
| 277     | 25.2  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.38 min Scan# 1163  
 Delta R.T. 0.00 min  
 Lab File: BF084094.D  
 Acq: 24 Dec 2015 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.4  | 29.2  |
| 265     | 20.8  | 17.8  | 26.6  |

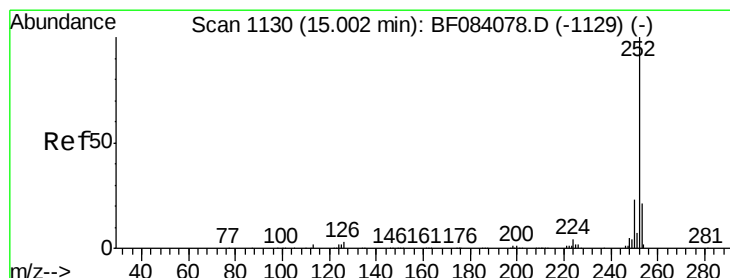
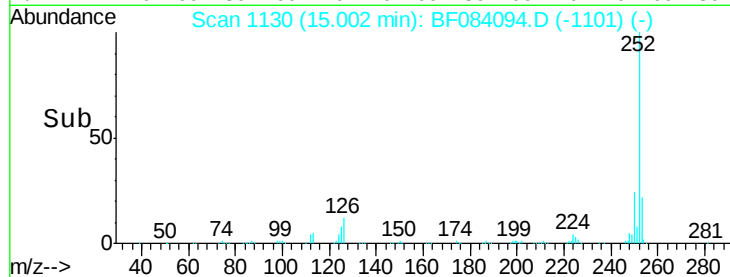
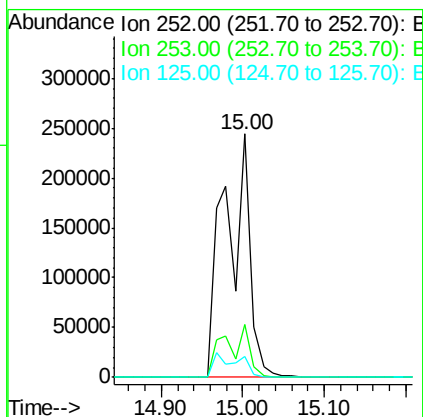
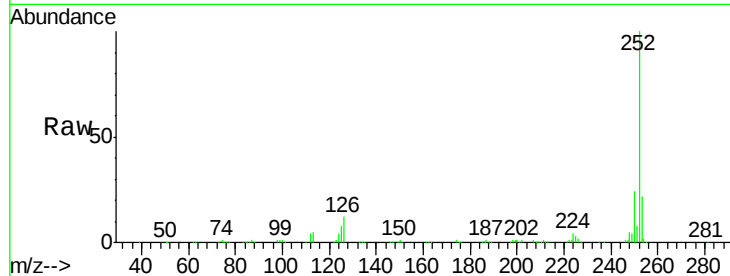




#87  
Benzo(b)fluoranthene  
Concen: 72.01 ng  
RT: 15.00 min Scan# 1130  
Delta R.T. 0.03 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

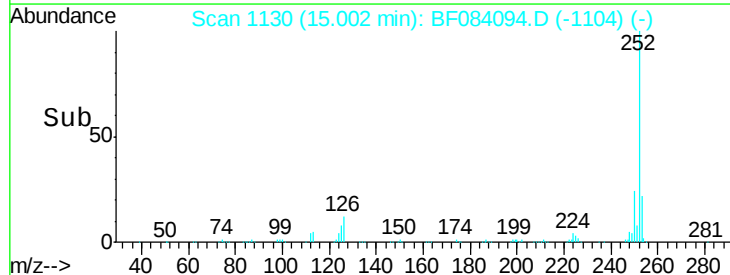
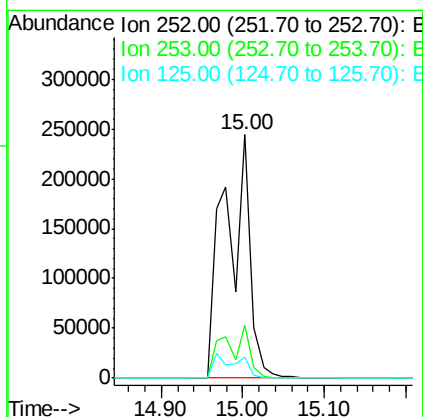
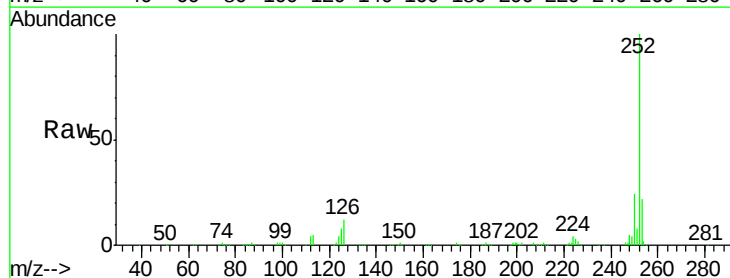
Instrument :  
BNA\_F  
ClientSampleId :  
PB87153BSD

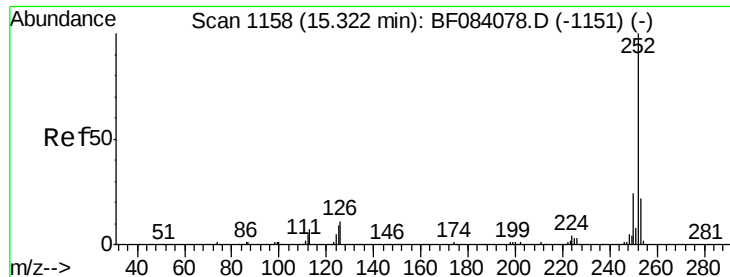
Tgt Ion:252 Resp: 525494  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 8.5 6.5 9.7



#88  
Benzo(k)fluoranthene  
Concen: 106.26 ng  
RT: 15.00 min Scan# 1130  
Delta R.T. 0.00 min  
Lab File: BF084094.D  
Acq: 24 Dec 2015 22:23

Tgt Ion:252 Resp: 525494  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.1 27.1  
125 8.5 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 41.72 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

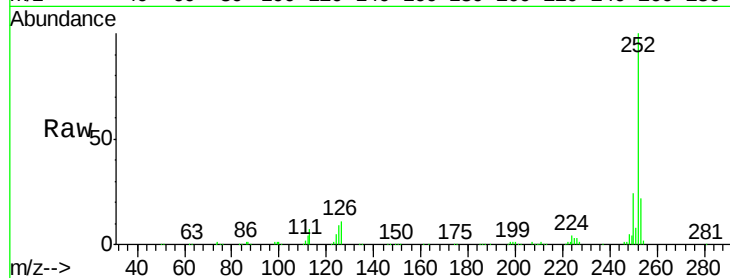
Tgt Ion:252 Resp: 250822

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

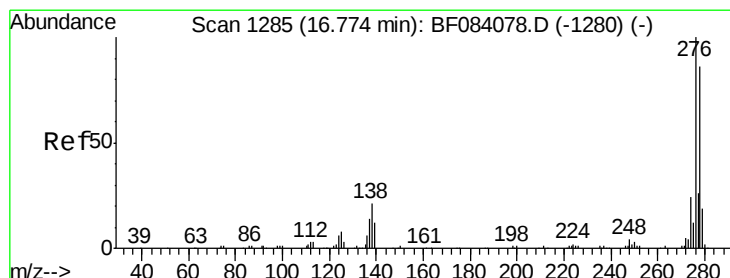
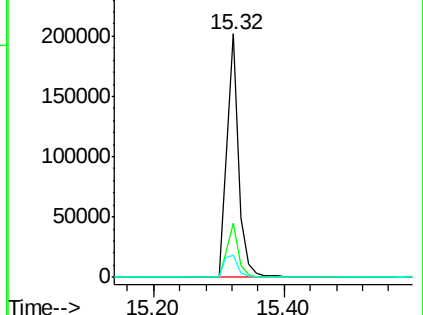
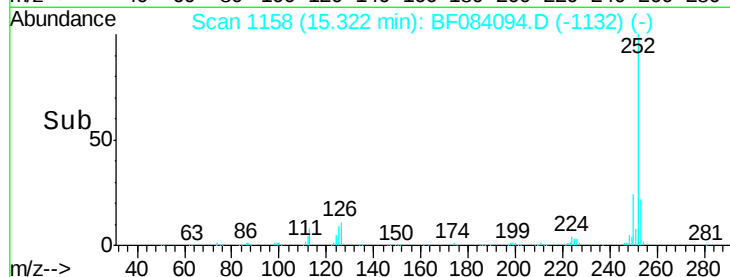
125 9.0 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 40.21 ng

RT: 16.77 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

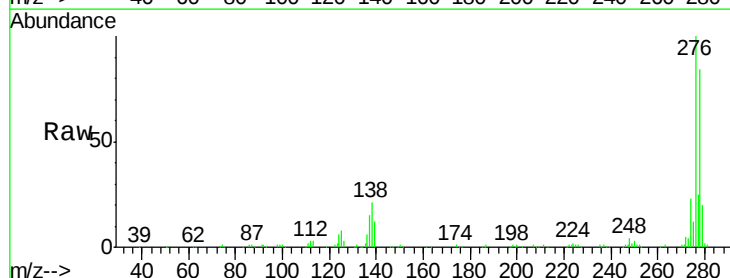
Tgt Ion:278 Resp: 235923

Ion Ratio Lower Upper

278 100

139 14.3 15.0 22.4#

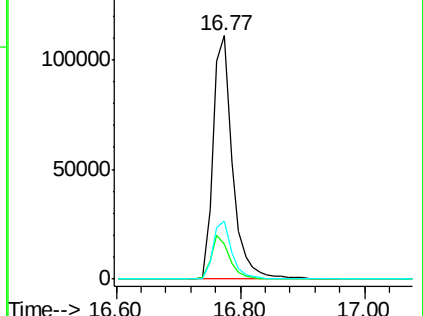
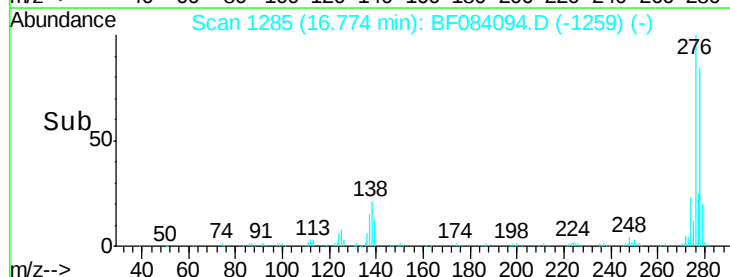
279 23.7 18.9 28.3

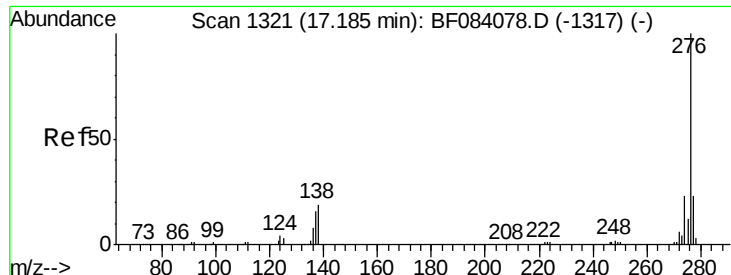


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 40.78 ng

RT: 17.19 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF084094.D

Acq: 24 Dec 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

PB87153BSD

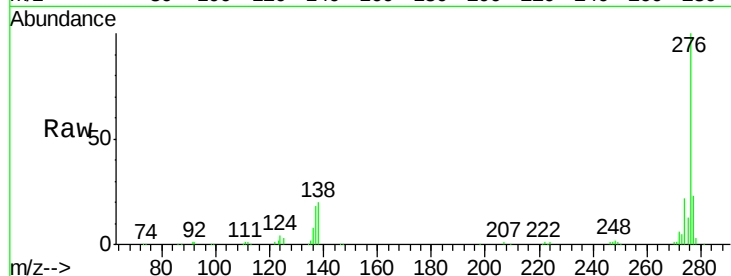
Tgt Ion: 276 Resp: 244183

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.5 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

150000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

