

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050916\  
 Data File : BF086849.D  
 Acq On : 10 May 2016 4:45  
 Operator : UM/SJ  
 Sample : H2707-08MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

Quant Time: May 10 05:35:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 16:04:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 164481   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.98  | 136  | 665480   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.73  | 164  | 316098   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.21 | 188  | 547807   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.84 | 240  | 297786   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.21 | 264  | 313676   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 1372377 | 141.30 | ng | 0.01  |
| 7) Phenol-d6             | 6.36  | 99  | 1769317 | 136.31 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.26  | 82  | 1296376 | 97.82  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 411520  | 122.97 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.06  | 172 | 1646673 | 87.55  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.79 | 244 | 1321338 | 94.14  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.26 | 88  | 179662  | 37.68 | ng | # 69   |
| 3) Pyridine                    | 2.93 | 79  | 483154  | 41.45 | ng | # 62   |
| 4) n-Nitrosodimethylamine      | 2.90 | 42  | 425893  | 50.38 | ng | # 51   |
| 6) Aniline                     | 6.37 | 93  | 242868  | 15.47 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.49 | 128 | 561769  | 47.94 | ng | 93     |
| 9) Benzaldehyde                | 6.24 | 77  | 95133   | 12.66 | ng | 93     |
| 10) Phenol                     | 6.37 | 94  | 637036  | 41.29 | ng | # 66   |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 596715  | 49.60 | ng | 88     |
| 12) 1,3-Dichlorobenzene        | 6.62 | 146 | 559722  | 44.13 | ng | # 89   |
| 13) 1,4-Dichlorobenzene        | 6.70 | 146 | 559900  | 43.29 | ng | # 91   |
| 14) 1,2-Dichlorobenzene        | 6.86 | 146 | 537816  | 47.71 | ng | 99     |
| 15) Benzyl Alcohol             | 6.85 | 79  | 444480  | 49.59 | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 1107126 | 42.33 | ng | 55     |
| 17) 2-Methylphenol             | 6.98 | 107 | 466996  | 50.08 | ng | # 82   |
| 18) Hexachloroethane           | 7.20 | 117 | 214858  | 44.15 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 471428  | 51.97 | ng | # 72   |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 621920  | 51.06 | ng | # 58   |
| 22) Acetophenone               | 7.12 | 105 | 811219  | 51.61 | ng | # 99   |
| 24) Nitrobenzene               | 7.29 | 77  | 665313  | 48.80 | ng | 98     |
| 25) Isophorone                 | 7.53 | 82  | 1177070 | 47.87 | ng | 99     |
| 26) 2-Nitrophenol              | 7.61 | 139 | 318643  | 53.17 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.65 | 122 | 448205  | 43.91 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93  | 744695  | 56.14 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 461258  | 51.33 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 502024  | 49.97 | ng | 100    |
| 31) Naphthalene                | 8.01 | 128 | 1613051 | 48.39 | ng | 100    |
| 32) Benzoic acid               | 7.79 | 122 | 137578  | 22.95 | ng | # 85   |
| 33) 4-Chloroaniline            | 8.06 | 127 | 144248  | 11.14 | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.12 | 225 | 277633  | 47.63 | ng | 99     |
| 35) Caprolactam                | 8.45 | 113 | 100678  | 32.93 | ng | # 50   |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 501533  | 46.03 | ng | 91     |
| 37) 2-Methylnaphthalene        | 8.69 | 142 | 1014715 | 52.07 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 436143  | 47.46 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.84 | 237 | 234645  | 53.79 | ng | 96     |

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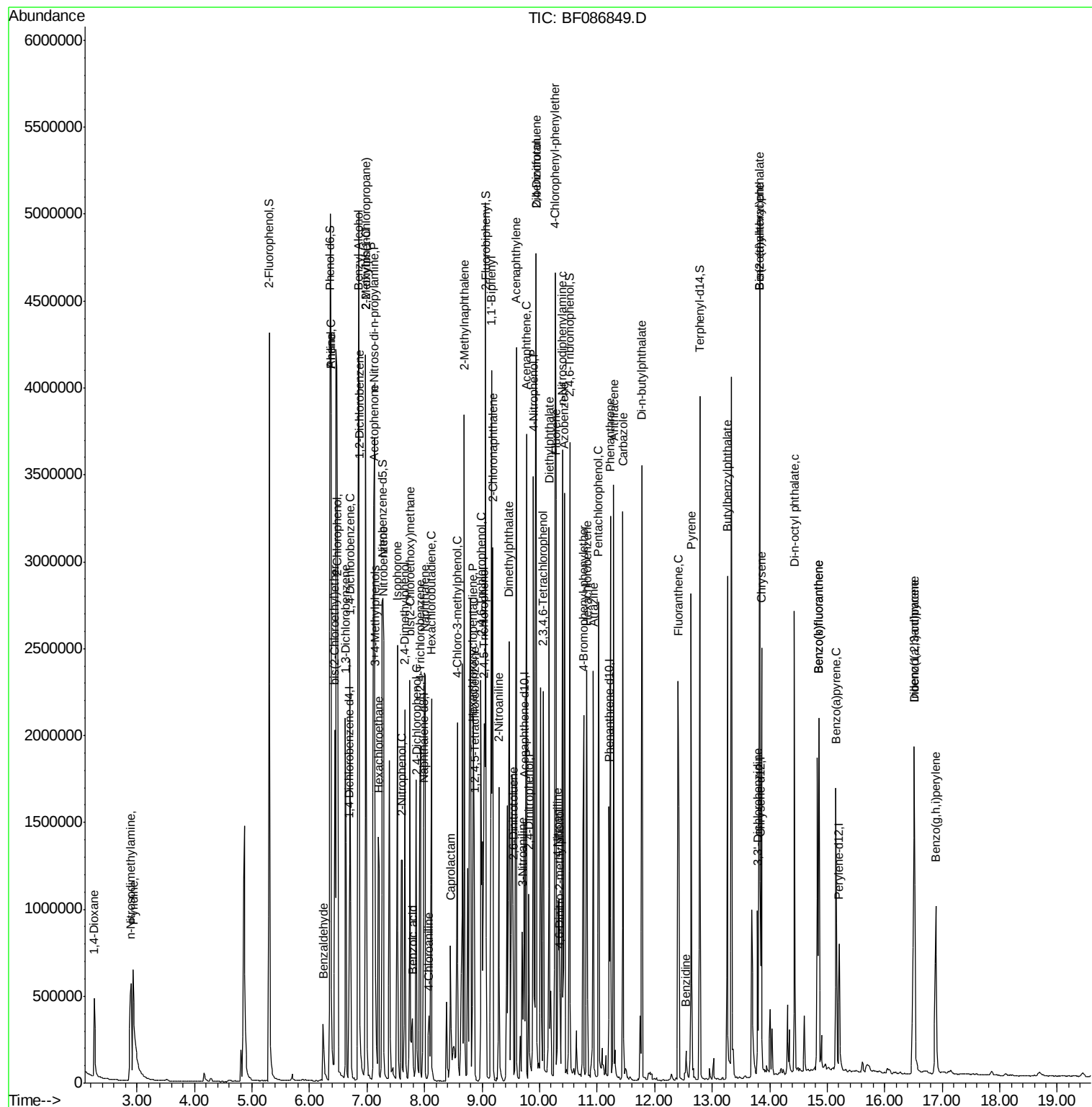
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.98  | 196  | 295515   | 48.09 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 9.04  | 196  | 315573   | 49.65 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.16  | 154  | 1290822  | 51.34 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.18  | 162  | 984484   | 49.98 | ng    | 96       |
| 47) 2-Nitroaniline             | 9.29  | 65   | 338433   | 47.01 | ng    | # 75     |
| 48) Acenaphthylene             | 9.60  | 152  | 1440936  | 49.73 | ng    | 99       |
| 49) Dimethylphthalate          | 9.47  | 163  | 1229599  | 50.99 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 262948   | 51.81 | ng    | # 63     |
| 51) Acenaphthene               | 9.77  | 154  | 934331   | 51.84 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.70  | 138  | 124035   | 23.21 | ng    | # 74     |
| 53) 2,4-Dinitrophenol          | 9.81  | 184  | 156895   | 62.37 | ng    | 92       |
| 54) Dibenzofuran               | 9.94  | 168  | 1234859  | 53.37 | ng    | 95       |
| 55) 4-Nitrophenol              | 9.89  | 139  | 312220   | 87.20 | ng    | # 49     |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 331448   | 52.77 | ng    | # 89     |
| 57) Fluorene                   | 10.28 | 166  | 1023721  | 51.88 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.06 | 232  | 262318   | 54.82 | ng    | 98       |
| 59) Diethylphthalate           | 10.17 | 149  | 1102819  | 46.93 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204  | 402924   | 47.62 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.32 | 138  | 231998   | 45.21 | ng    | # 68     |
| 62) Azobenzene                 | 10.43 | 77   | 1265345  | 49.91 | ng    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 127876   | 37.58 | ng    | 83       |
| 65) n-Nitrosodiphenylamine     | 10.40 | 169  | 803060   | 47.72 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.76 | 248  | 292522   | 52.67 | ng    | # 86     |
| 67) Hexachlorobenzene          | 10.82 | 284  | 292697   | 45.09 | ng    | # 70     |
| 68) Atrazine                   | 10.93 | 200  | 314919   | 56.02 | ng    | 95       |
| 69) Pentachlorophenol          | 11.02 | 266  | 297486   | 99.17 | ng    | 98       |
| 70) Phenanthrene               | 11.23 | 178  | 1261686  | 43.16 | ng    | 99       |
| 71) Anthracene                 | 11.29 | 178  | 1479082  | 49.47 | ng    | 99       |
| 72) Carbazole                  | 11.45 | 167  | 1245933  | 48.48 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.78 | 149  | 1557755  | 49.63 | ng    | # 98     |
| 74) Fluoranthene               | 12.41 | 202  | 1223168  | 40.68 | ng    | 100      |
| 76) Benzidine                  | 12.55 | 184  | 87565    | 11.53 | ng    | 97       |
| 77) Pyrene                     | 12.64 | 202  | 1107119  | 48.56 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.27 | 149  | 542148   | 56.22 | ng    | # 73     |
| 80) Benzo(a)anthracene         | 13.83 | 228  | 792116   | 47.38 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.79 | 252  | 197840   | 18.63 | ng    | 98       |
| 82) Chrysene                   | 13.86 | 228  | 823238   | 48.41 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 702546   | 60.57 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.43 | 149  | 1064980  | 55.43 | ng    | # 83     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.51 | 276  | 930424   | 65.76 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 1659730  | 81.42 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 14.85 | 252  | 1659730  | 99.43 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.15 | 252  | 832920   | 47.37 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 16.51 | 278  | 788193   | 53.19 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.89 | 276  | 757619   | 50.31 | ng    | 95       |

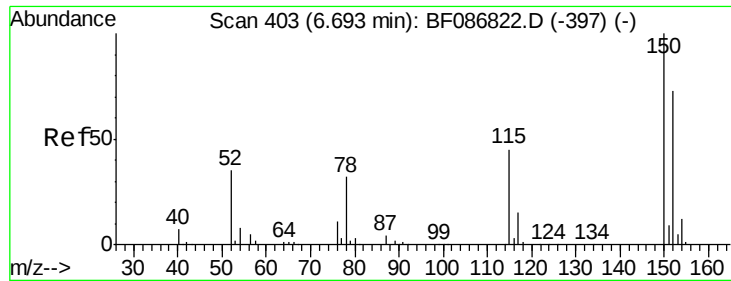
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

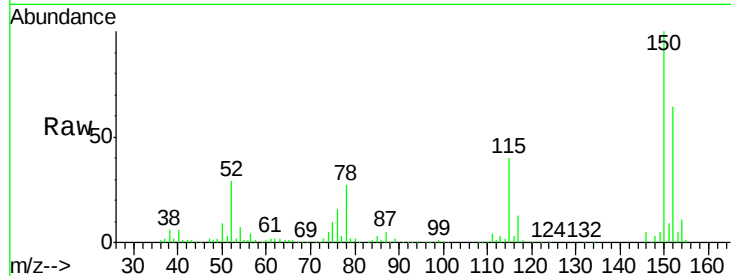
Tgt Ion:152 Resp: 164481

Ion Ratio Lower Upper

152 100

150 155.4 125.8 188.6

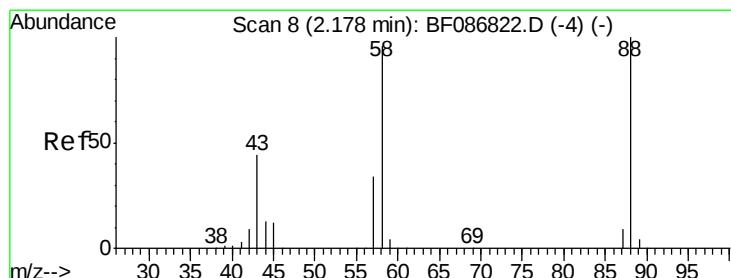
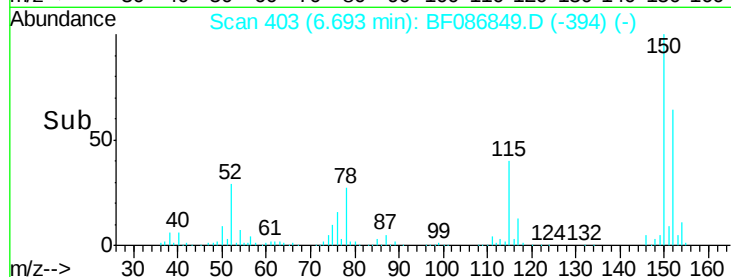
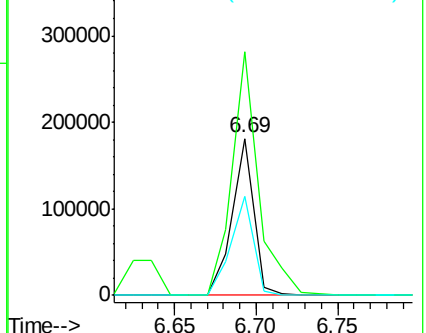
115 62.8 51.5 77.3



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: 37.68 ng

RT: 2.26 min Scan# 15

Delta R.T. 0.08 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

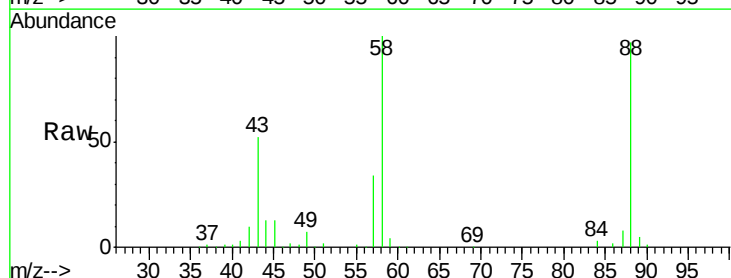
Tgt Ion: 88 Resp: 179662

Ion Ratio Lower Upper

88 100

58 97.8 59.6 89.4#

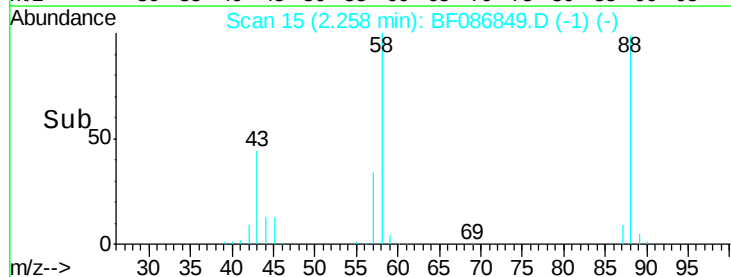
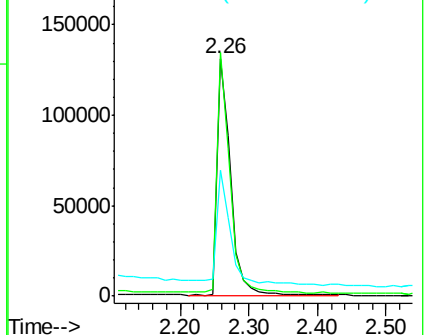
43 48.6 21.8 32.6#

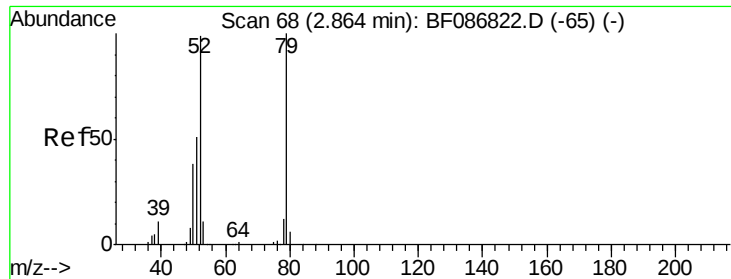


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 41.45 ng

RT: 2.93 min Scan# 74

Delta R.T. 0.07 min

Lab File: BF086849.D

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Instrument :

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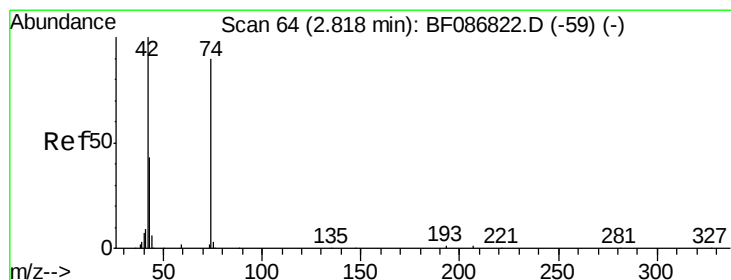
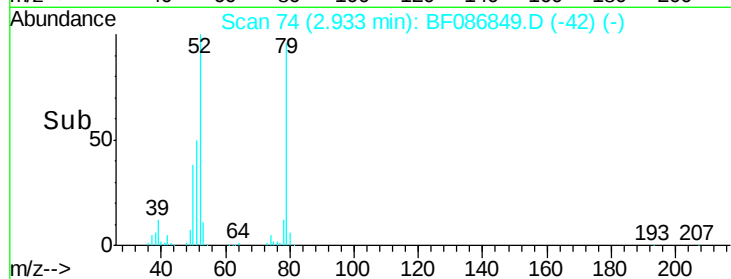
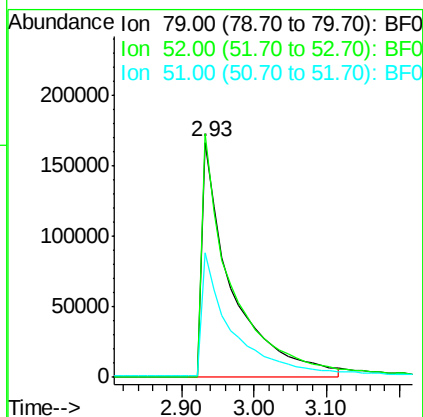
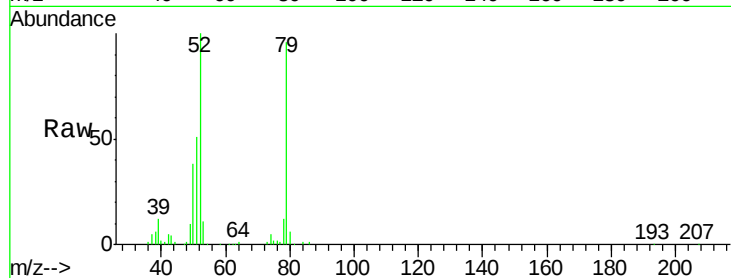
Tgt Ion: 79 Resp: 483154

Ion Ratio Lower Upper

79 100

52 103.7 55.9 83.9#

51 53.1 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 50.38 ng

RT: 2.90 min Scan# 71

Delta R.T. 0.08 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

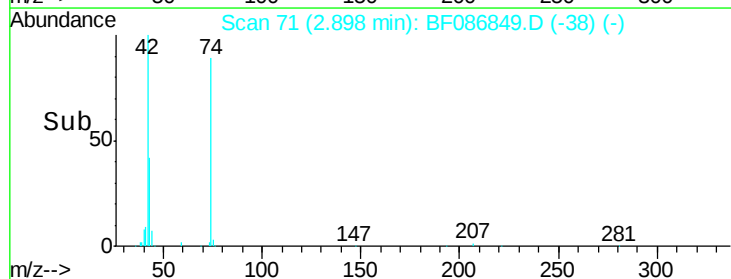
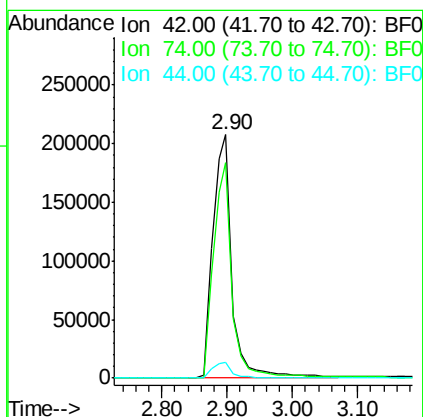
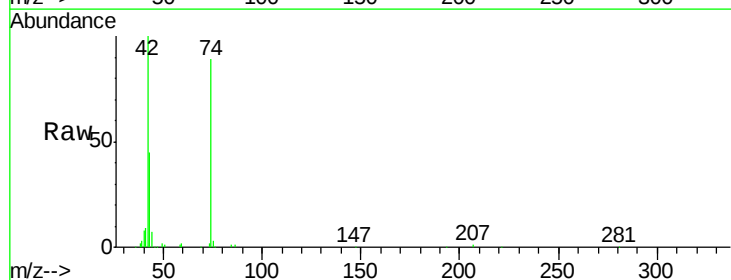
Tgt Ion: 42 Resp: 425893

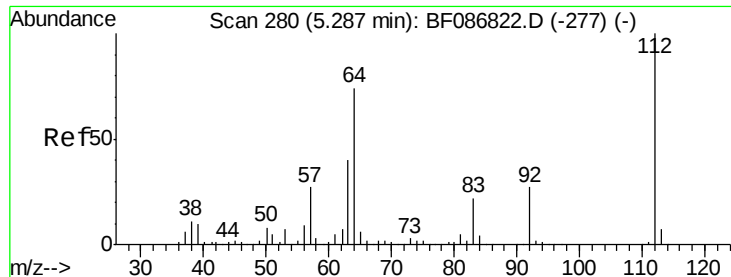
Ion Ratio Lower Upper

42 100

74 88.5 123.4 185.0#

44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 141.30 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

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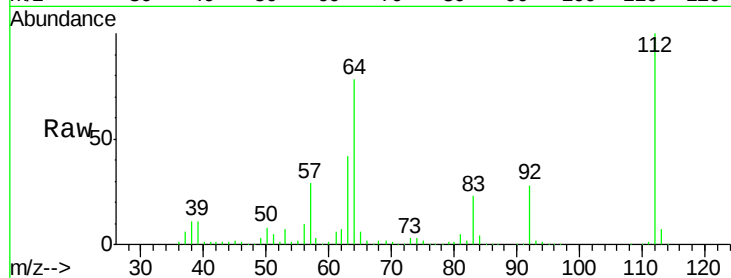
Tgt Ion: 112 Resp: 1372377

Ion Ratio Lower Upper

112 100

64 77.6 52.1 78.1

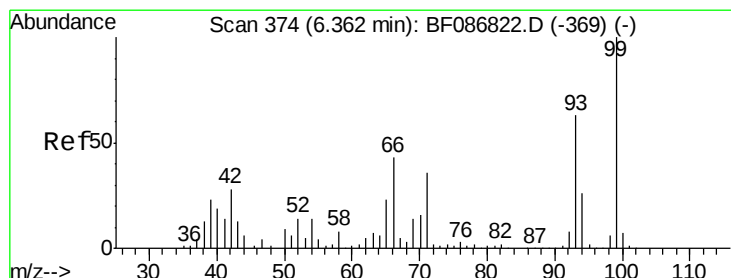
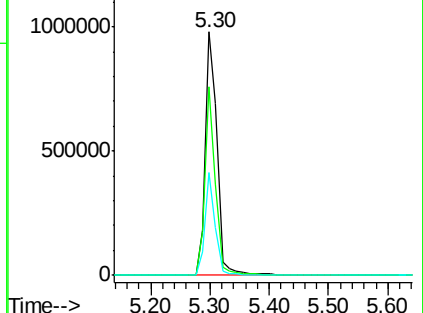
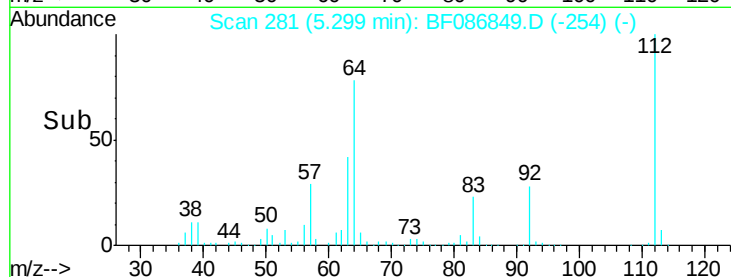
63 42.3 25.7 38.5#



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: 15.47 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

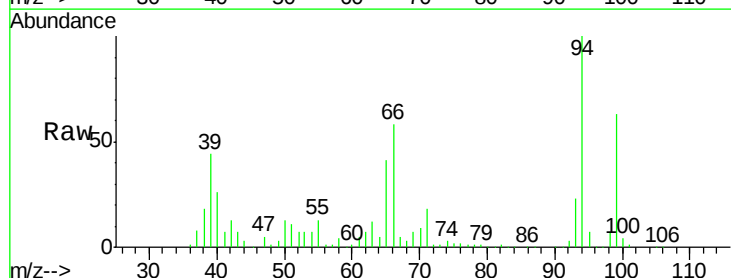
Tgt Ion: 93 Resp: 242868

Ion Ratio Lower Upper

93 100

66 254.1 39.0 58.6#

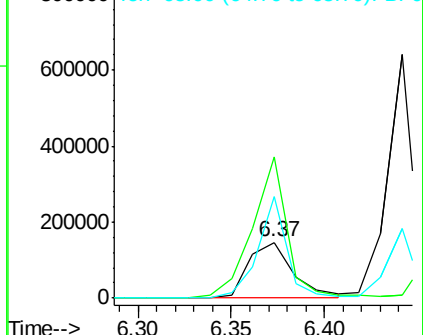
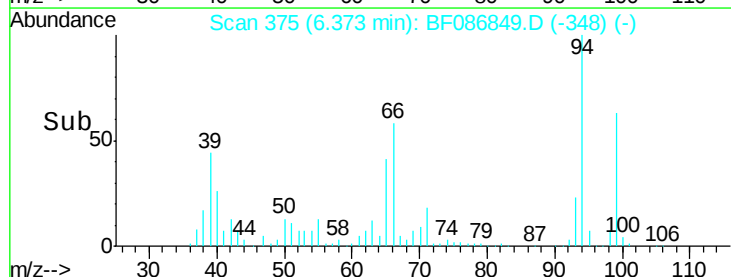
65 182.0 20.6 31.0#

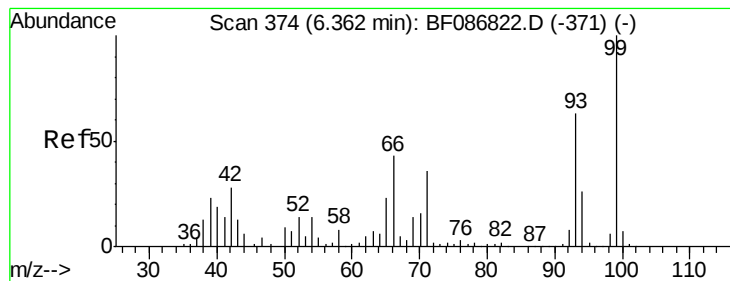


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 136.31 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.00 min

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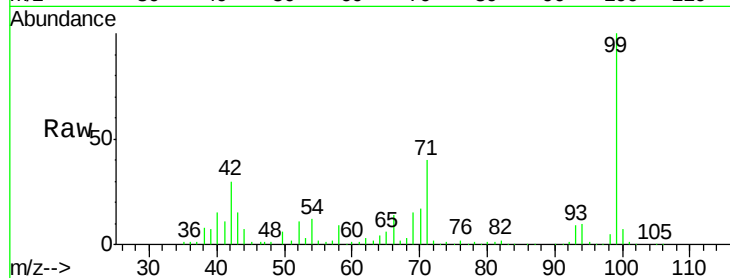
Tgt Ion: 99 Resp: 1769317

Ion Ratio Lower Upper

99 100

42 30.1 13.6 20.4#

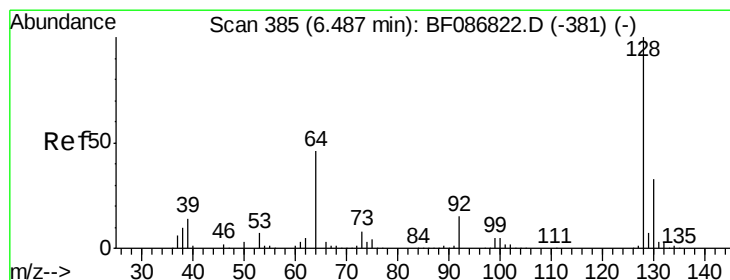
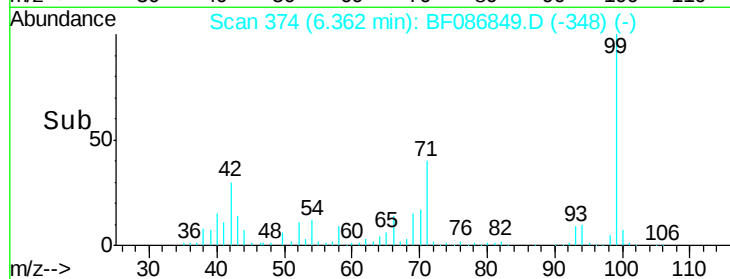
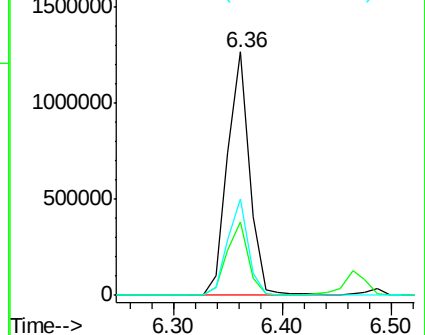
71 39.5 24.6 36.8#



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: 47.94 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

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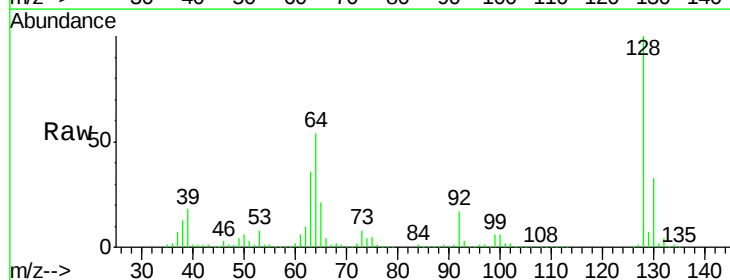
Tgt Ion: 128 Resp: 561769

Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

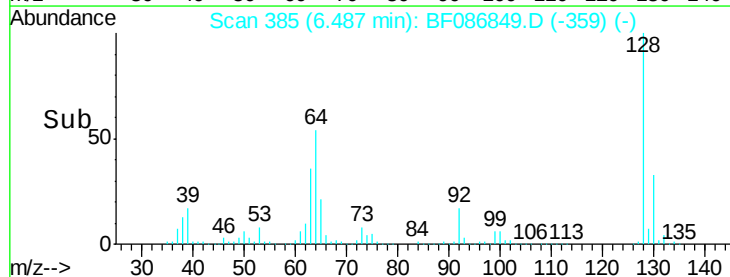
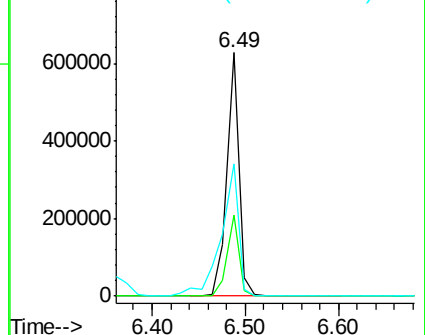
64 54.3 27.3 67.3

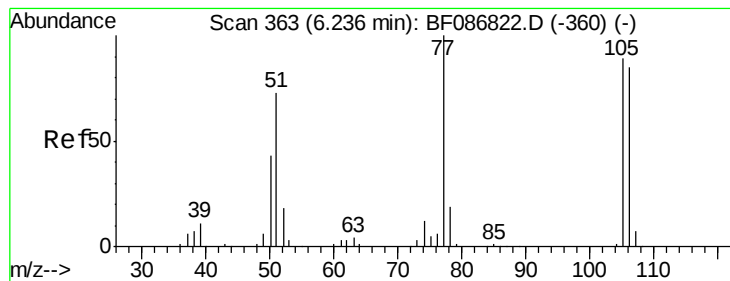


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.66 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

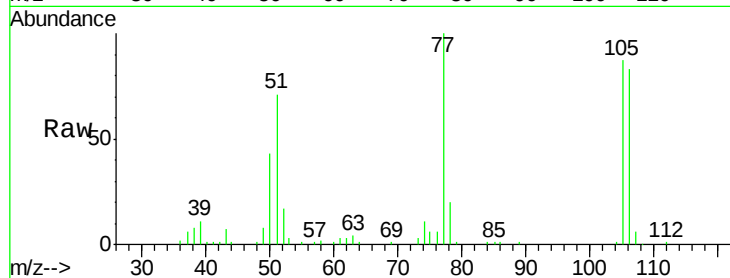
Tgt Ion: 77 Resp: 95133

Ion Ratio Lower Upper

77 100

105 87.4 72.7 112.7

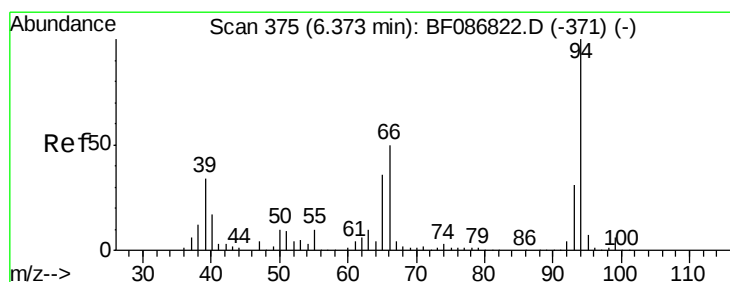
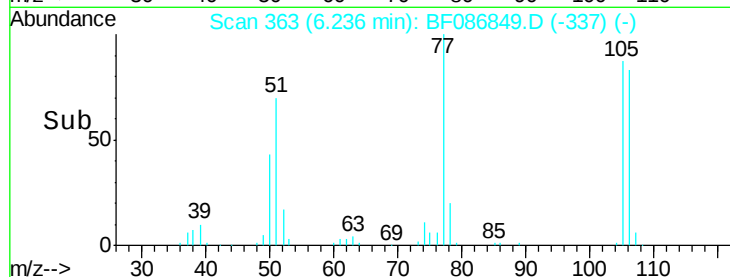
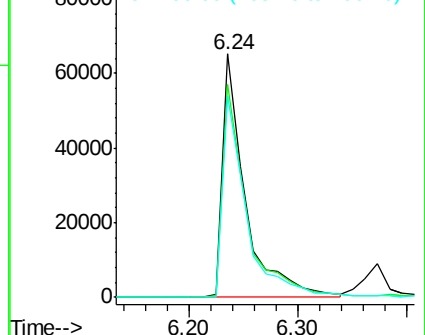
106 82.8 70.8 110.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.29 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

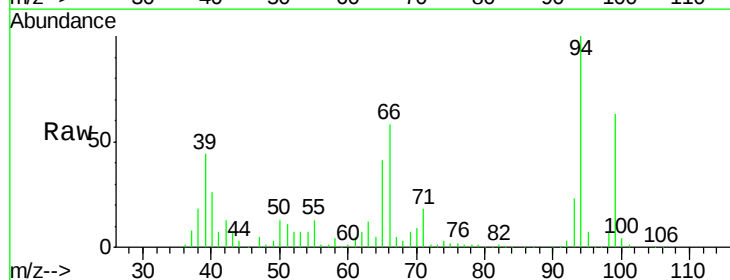
Tgt Ion: 94 Resp: 637036

Ion Ratio Lower Upper

94 100

65 41.3 7.2 47.2

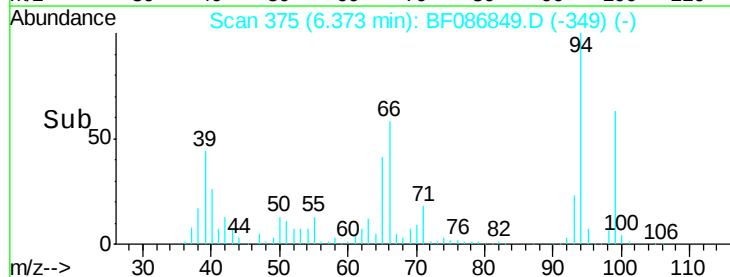
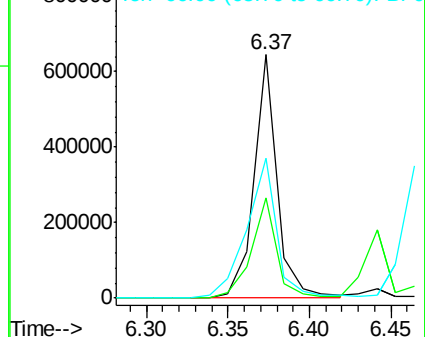
66 57.7 14.9 54.9#

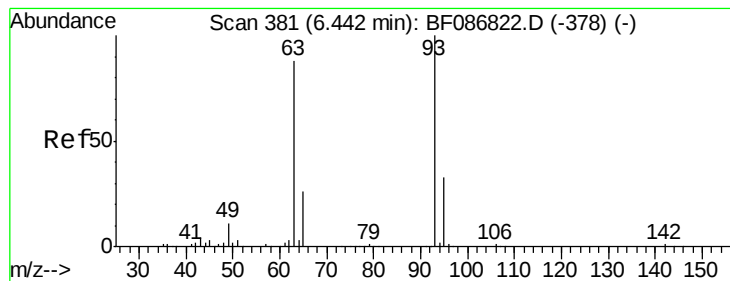


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 49.60 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

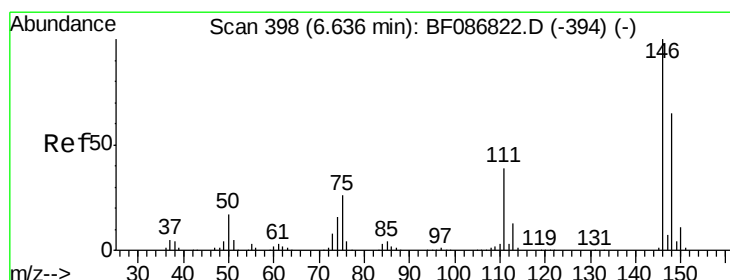
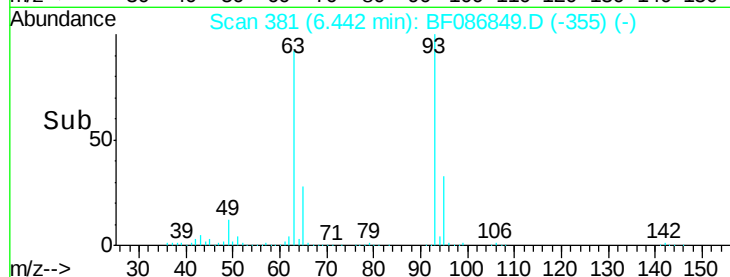
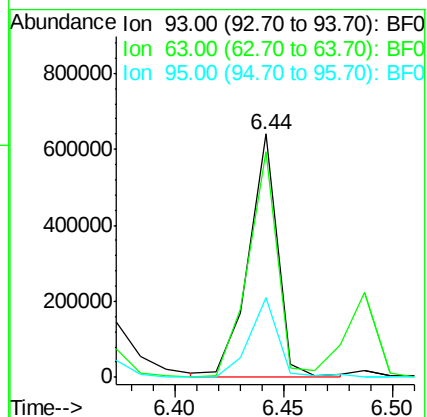
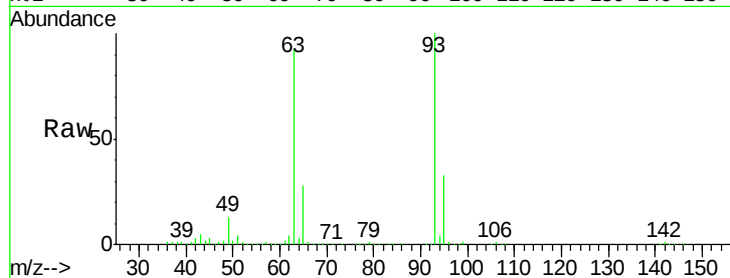
Tgt Ion: 93 Resp: 596715

Ion Ratio Lower Upper

93 100

63 92.5 58.0 98.0

95 32.8 11.9 51.9



#12

1,3-Dichlorobenzene

Concen: 44.13 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

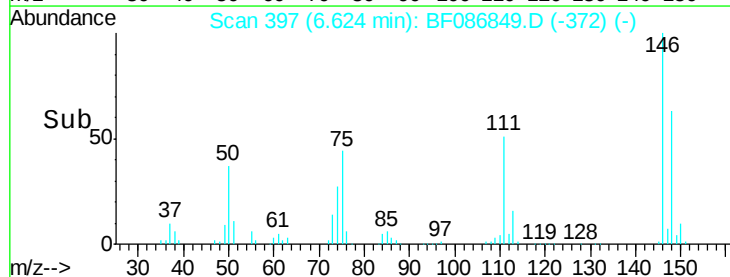
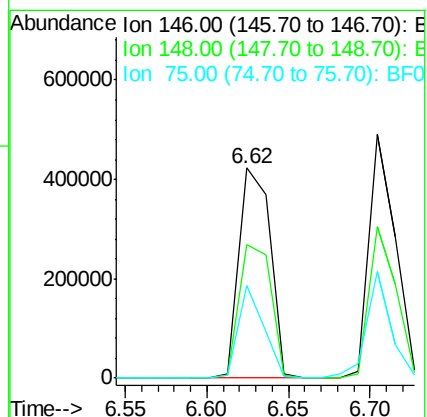
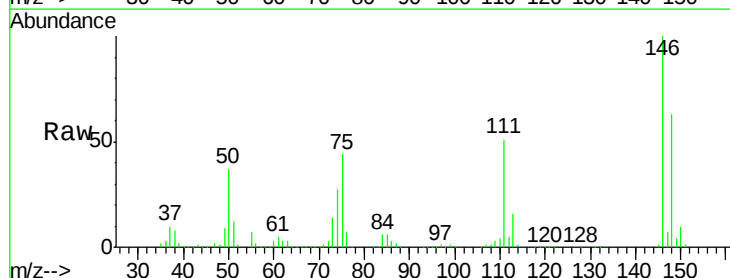
Tgt Ion: 146 Resp: 559722

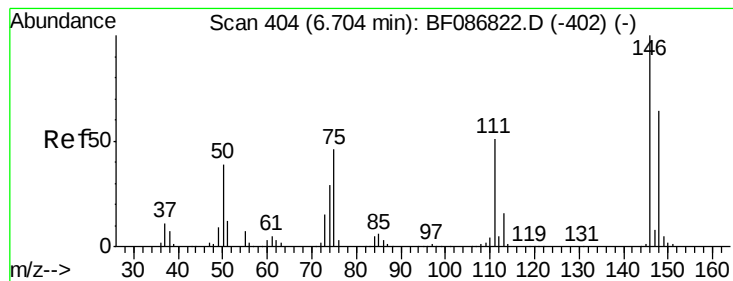
Ion Ratio Lower Upper

146 100

148 63.3 52.4 78.6

75 44.0 22.8 34.2#





#13

1,4-Dichlorobenzene

Concen: 43.29 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

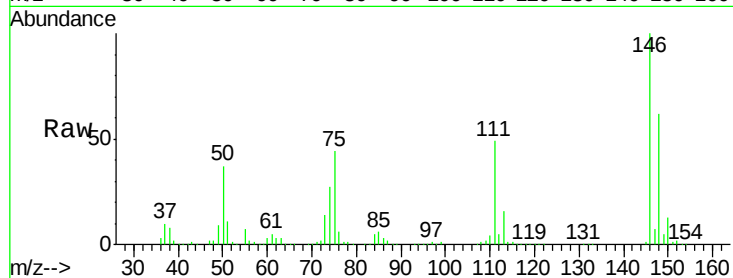
Tgt Ion:146 Resp: 559900

Ion Ratio Lower Upper

146 100

148 62.1 52.2 78.4

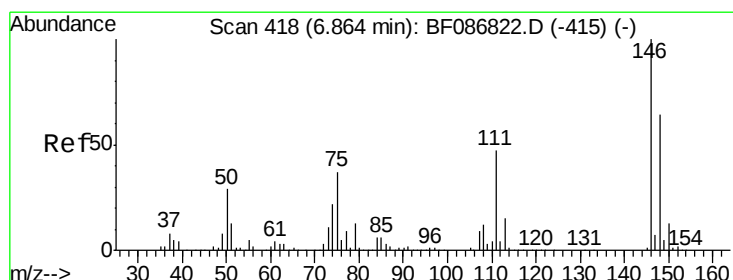
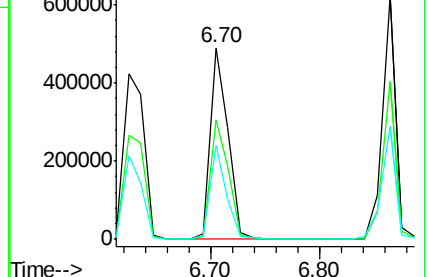
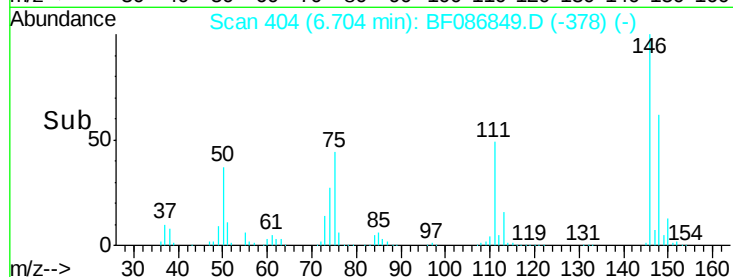
111 48.8 30.7 46.1#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 47.71 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

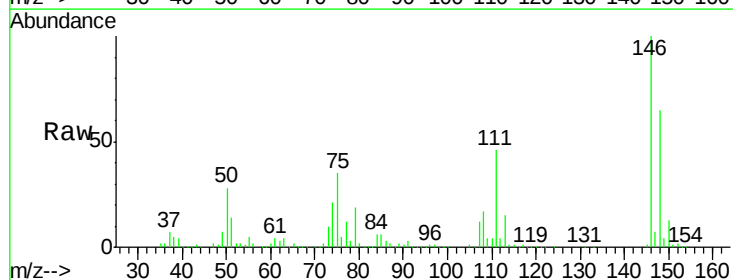
Tgt Ion:146 Resp: 537816

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

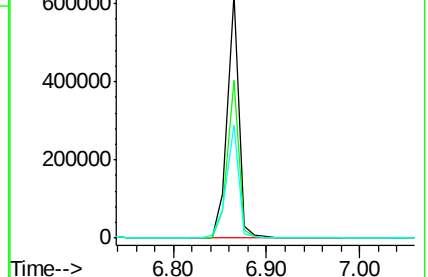
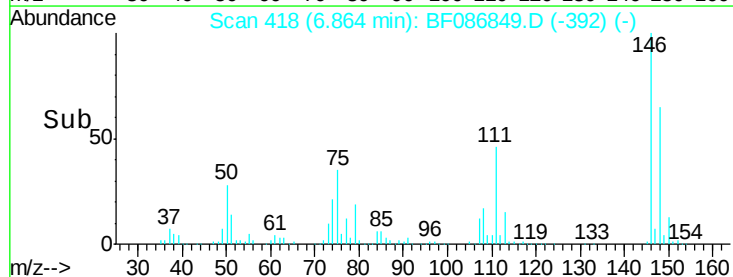
111 46.3 36.2 54.4

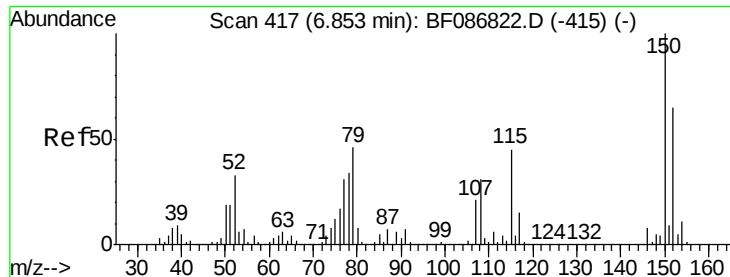


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

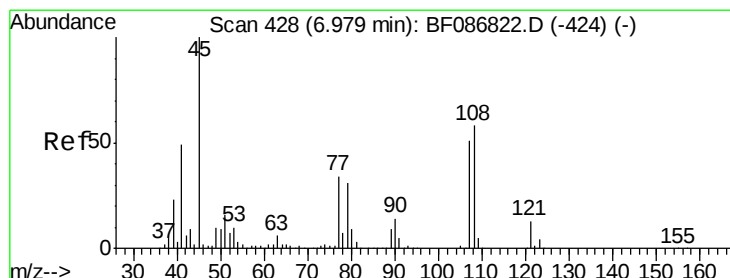
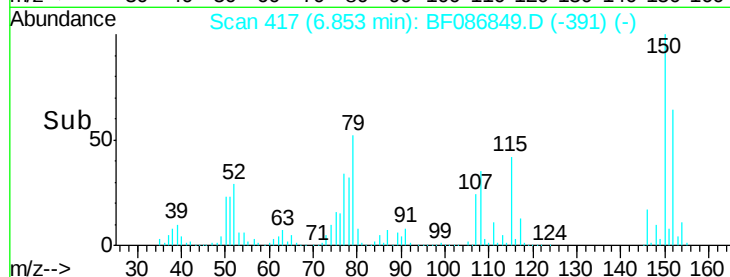
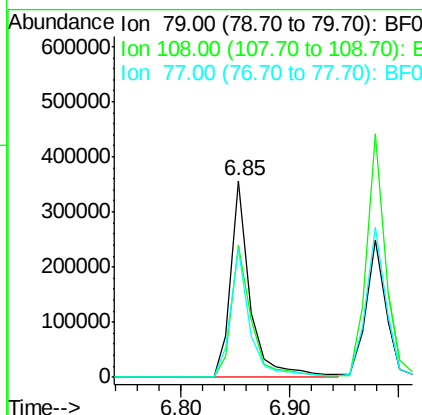
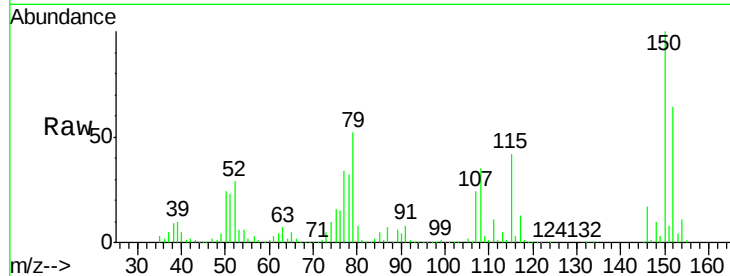




#15  
Benzyl Alcohol  
Concen: 49.59 ng  
RT: 6.85 min Scan# 417  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

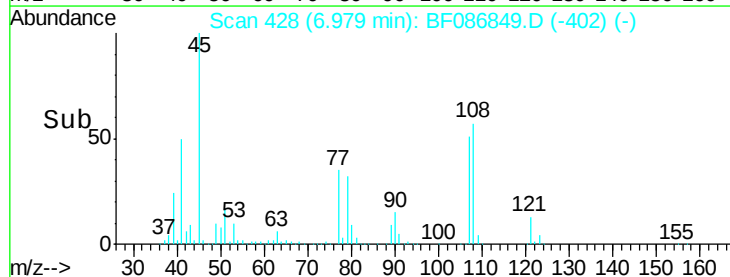
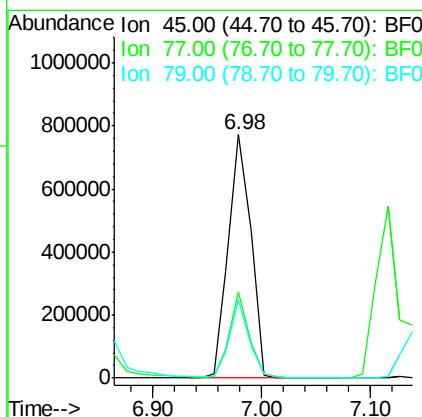
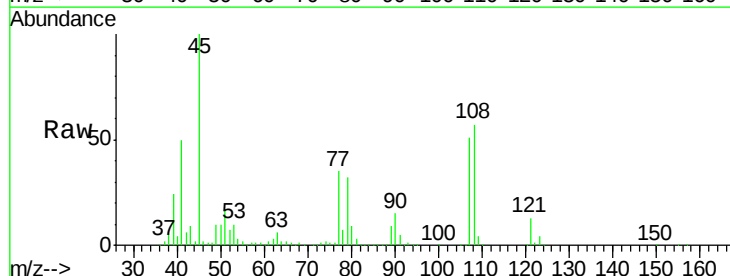
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

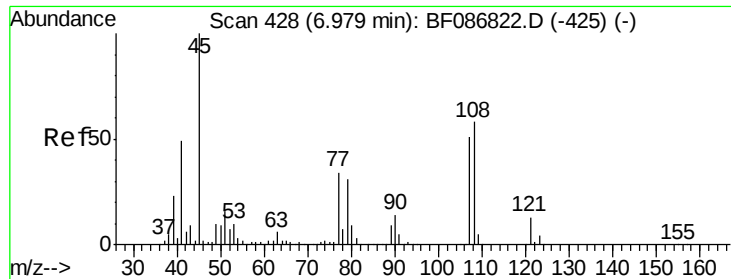
Tgt Ion: 79 Resp: 444480  
Ion Ratio Lower Upper  
79 100  
108 67.5 68.4 102.6#  
77 65.2 50.6 76.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.33 ng  
RT: 6.98 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion: 45 Resp: 1107126  
Ion Ratio Lower Upper  
45 100  
77 35.2 0.0 36.4  
79 32.4 0.0 33.4

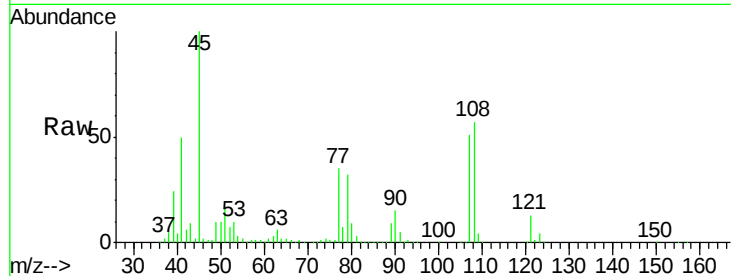




#17  
2-Methylphenol  
Concen: 50.08 ng  
RT: 6.98 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.9 | 93.7  | 140.5 |
| 77      | 69.5  | 33.4  | 50.0# |
| 79      | 64.0  | 34.3  | 51.5# |



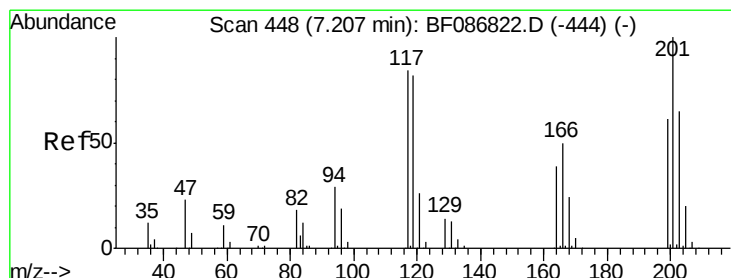
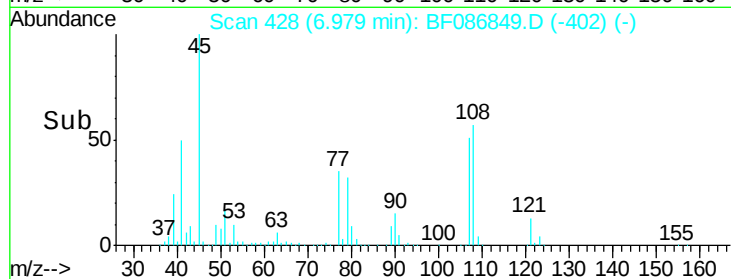
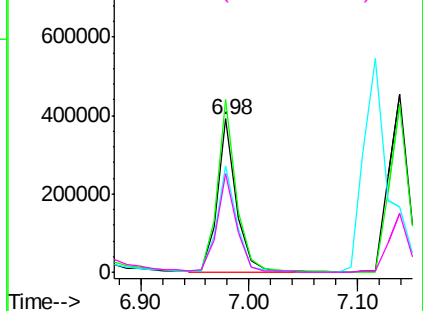
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

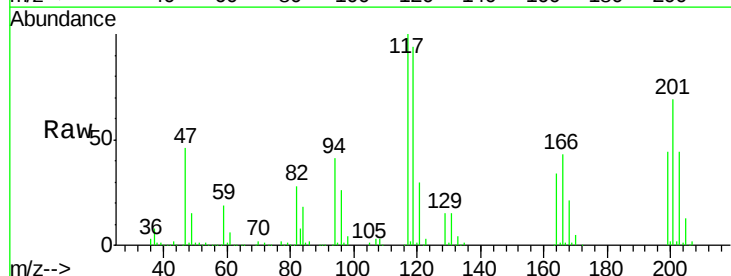
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18  
Hexachloroethane  
Concen: 44.15 ng  
RT: 7.20 min Scan# 447  
Delta R.T. -0.01 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.1  | 76.5  | 114.7 |
| 201     | 68.7  | 63.0  | 94.6  |

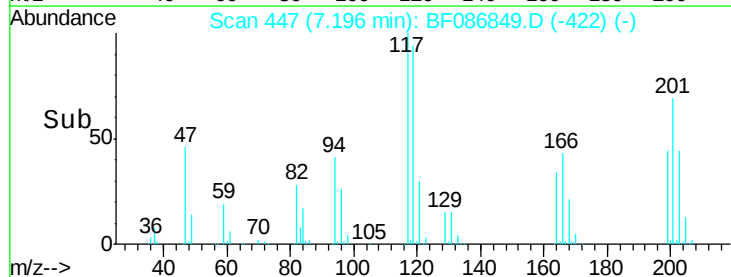
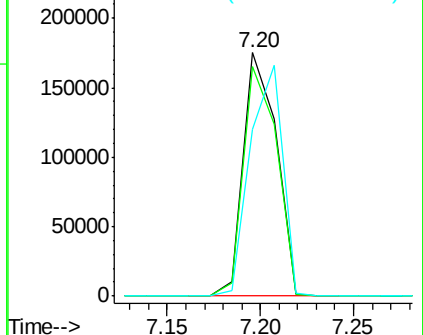


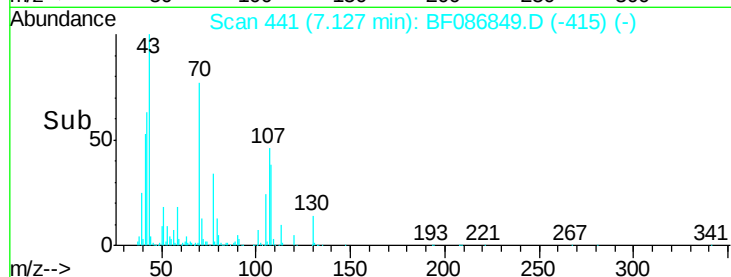
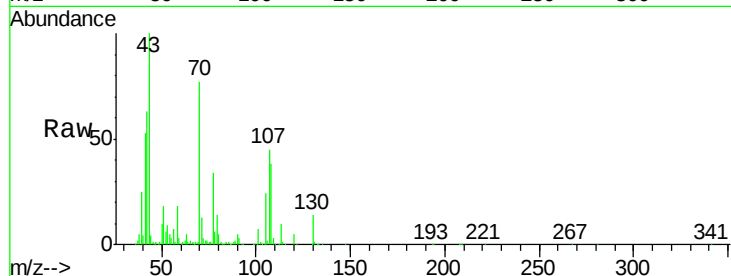
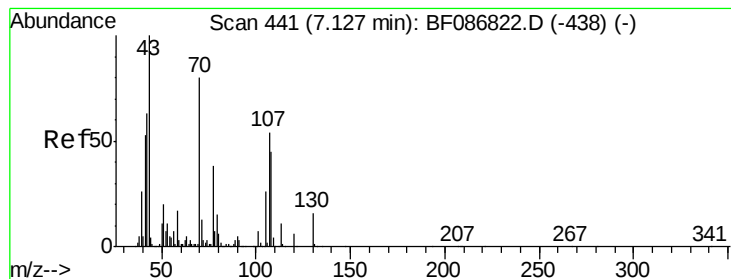
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 51.97 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion: 70 Resp: 471428

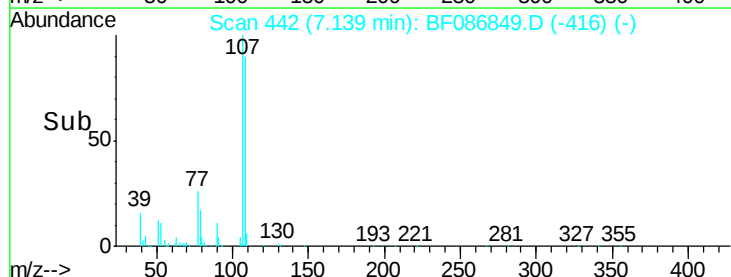
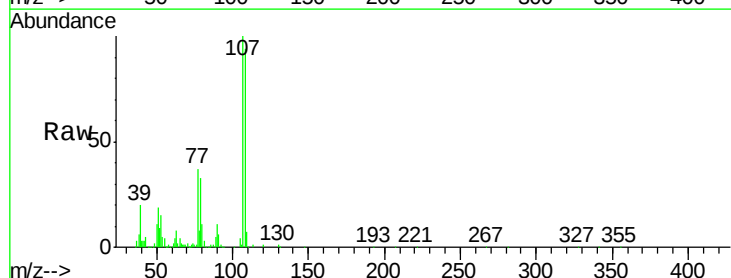
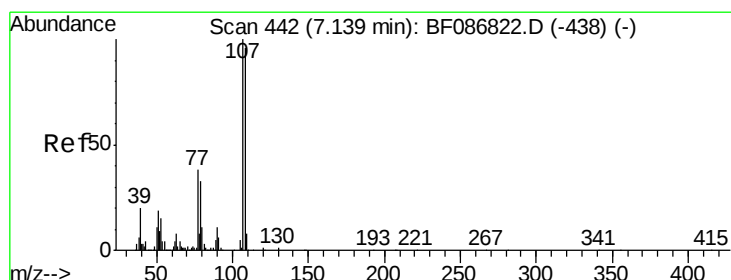
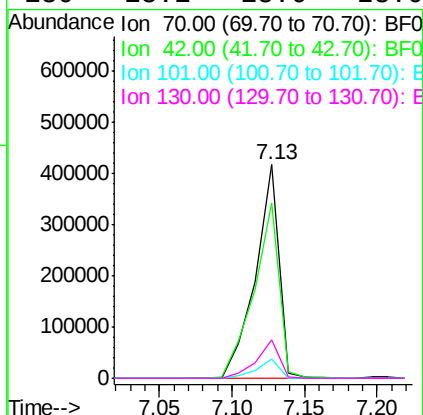
Ion Ratio Lower Upper

70 100

42 82.2 43.1 64.7#

101 9.1 8.1 12.1

130 18.1 18.6 28.0#



#20

3+4-Methylphenols

Concen: 51.06 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Tgt Ion: 107 Resp: 621920

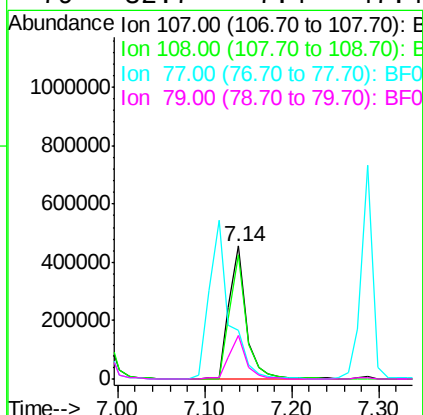
Ion Ratio Lower Upper

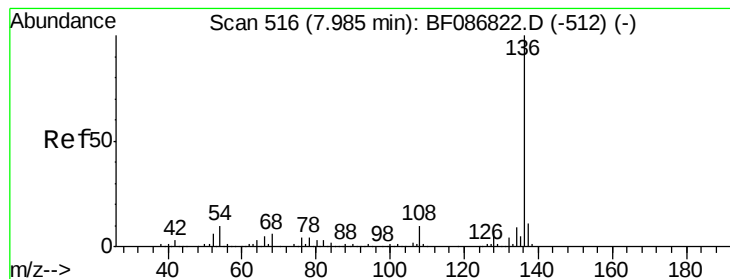
107 100

108 93.9 68.5 108.5

77 36.7 101.6 141.6#

79 32.7 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:136 Resp: 665480

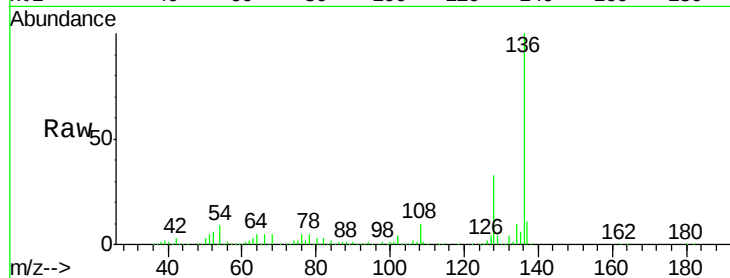
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.0 5.0 7.4#

68 5.2 4.4 6.6

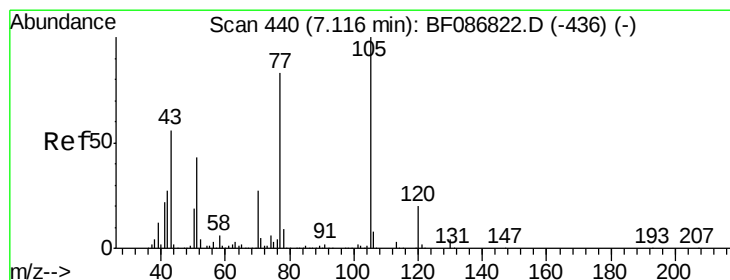
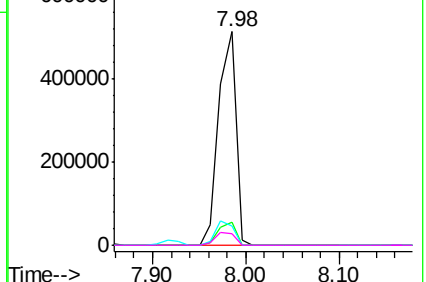
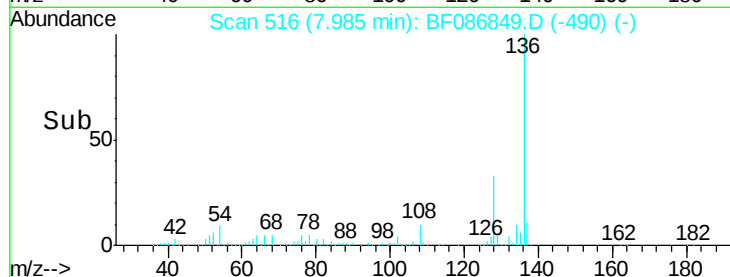


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 51.61 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Tgt Ion:105 Resp: 811219

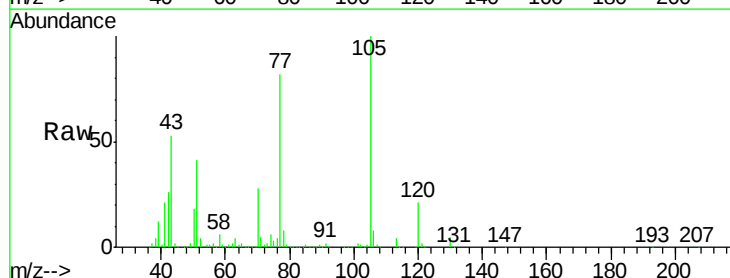
Ion Ratio Lower Upper

105 100

71 4.6 4.8 7.2#

51 40.7 32.6 49.0

120 21.0 16.5 24.7

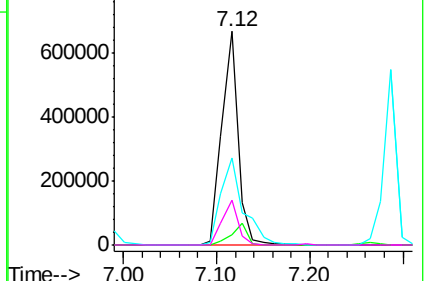
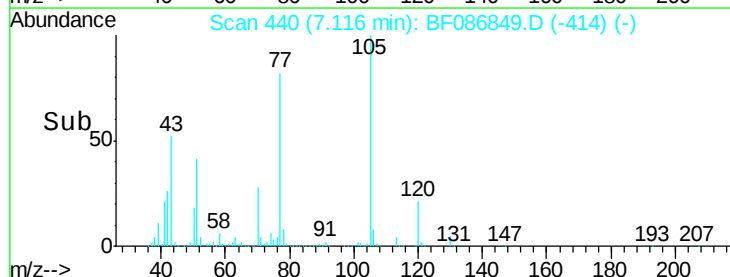


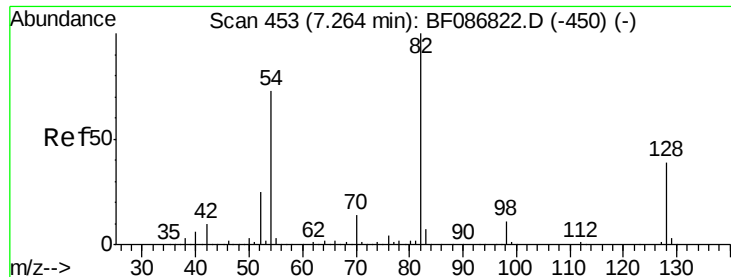
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

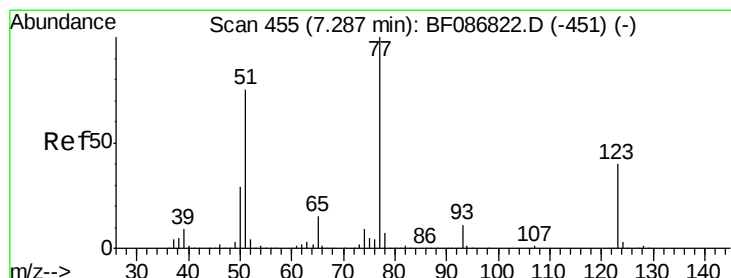
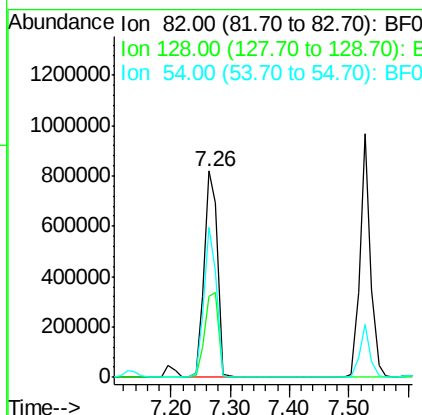
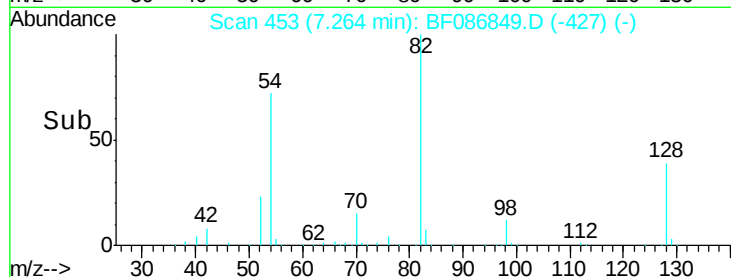
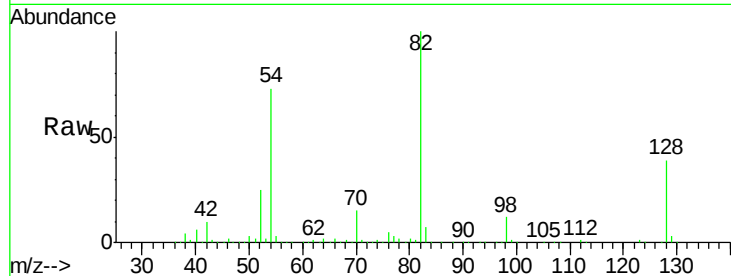




#23  
 Nitrobenzene-d5  
 Concen: 97.82 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. 0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

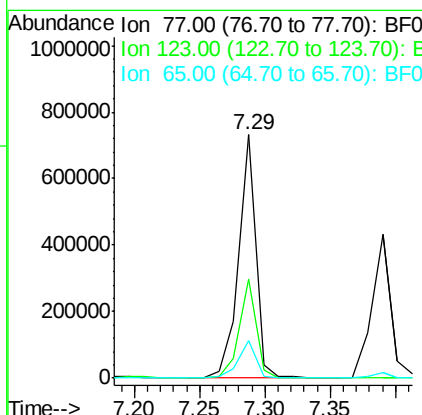
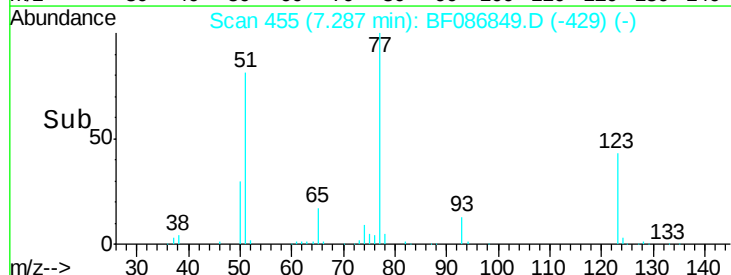
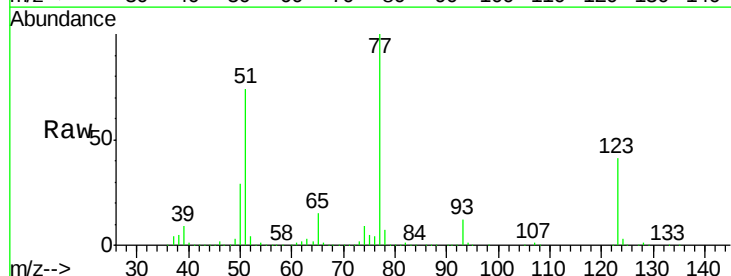
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

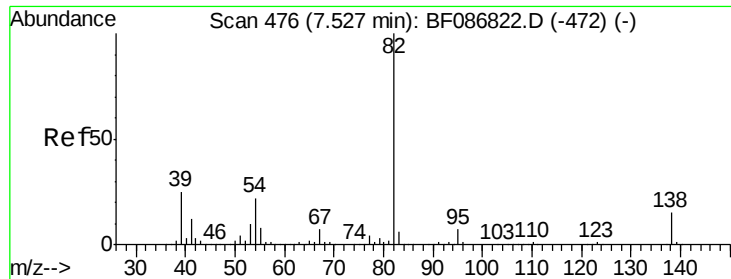
Tgt Ion: 82 Resp: 1296376  
 Ion Ratio Lower Upper  
 82 100  
 128 39.3 40.6 61.0#  
 54 72.6 38.1 57.1#



#24  
 Nitrobenzene  
 Concen: 48.80 ng  
 RT: 7.29 min Scan# 455  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion: 77 Resp: 665313  
 Ion Ratio Lower Upper  
 77 100  
 123 40.6 33.0 49.4  
 65 15.4 10.8 16.2

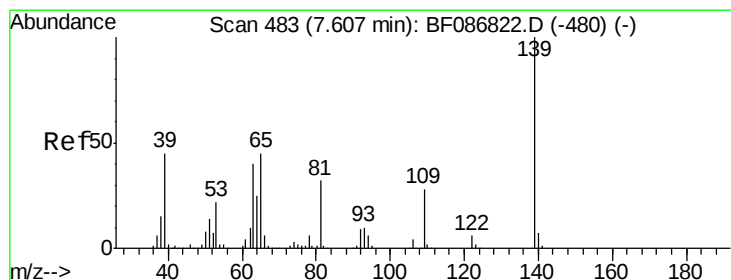
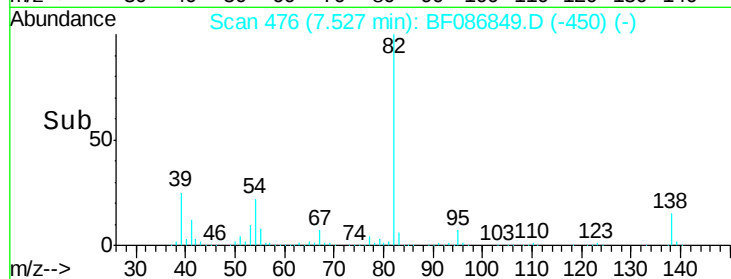
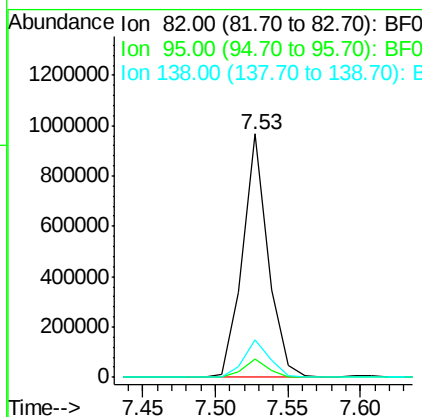
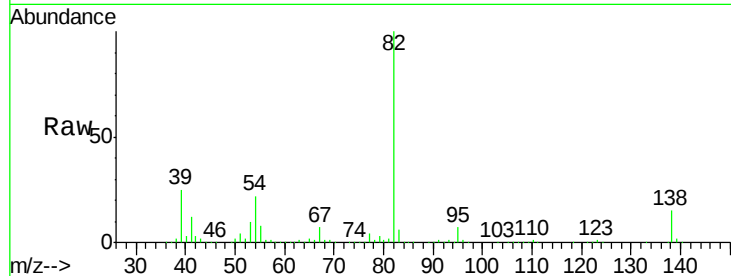




#25  
Isophorone  
Concen: 47.87 ng  
RT: 7.53 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

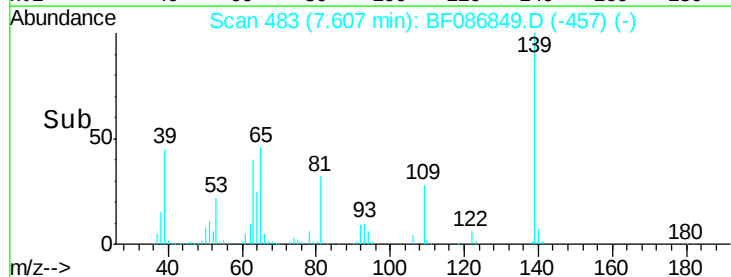
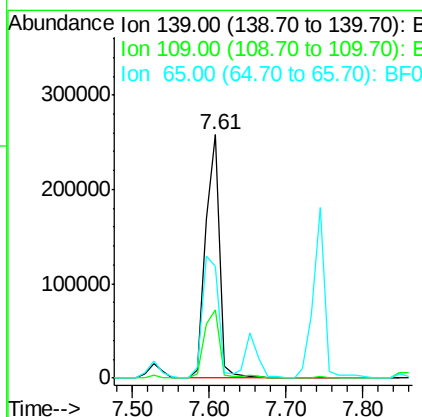
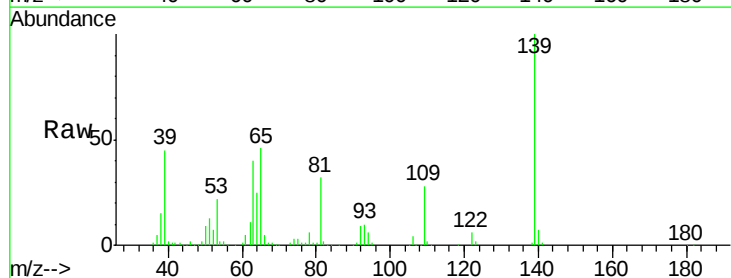
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

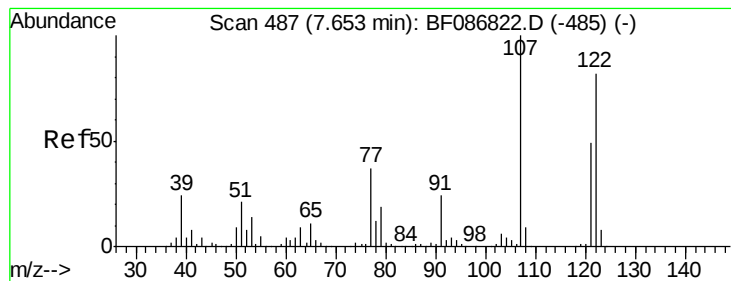
Tgt Ion: 82 Resp: 1177070  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.1 7.7  
138 15.2 12.4 18.6



#26  
2-Nitrophenol  
Concen: 53.17 ng  
RT: 7.61 min Scan# 483  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion: 139 Resp: 318643  
Ion Ratio Lower Upper  
139 100  
109 28.2 19.5 29.3  
65 46.1 37.5 56.3





#27

2,4-Dimethylphenol

Concen: 43.91 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

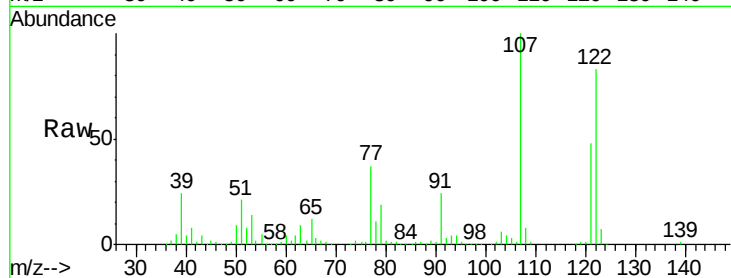
Tgt Ion:122 Resp: 448205

Ion Ratio Lower Upper

122 100

107 121.0 82.0 123.0

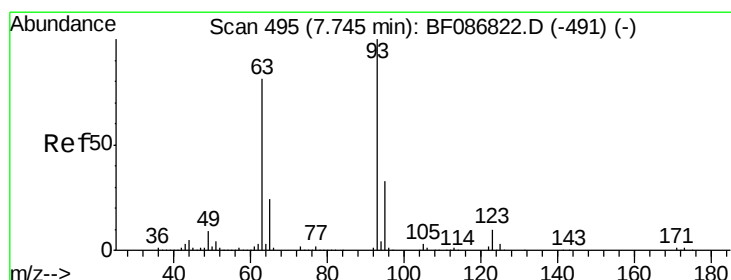
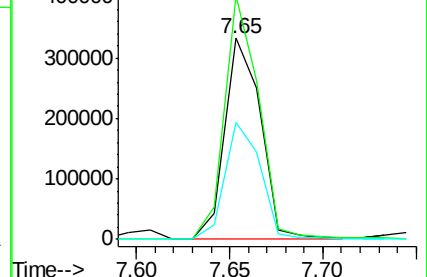
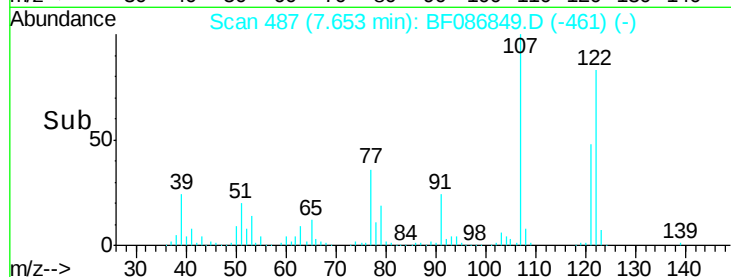
121 58.4 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 56.14 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

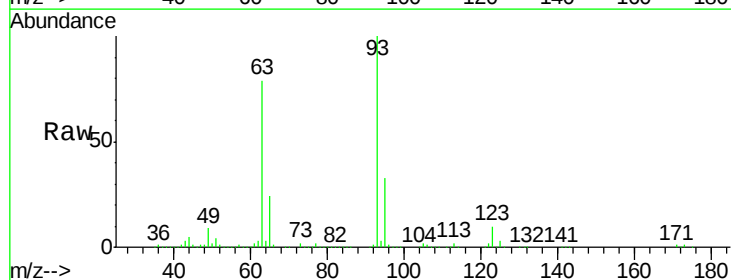
Tgt Ion: 93 Resp: 744695

Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

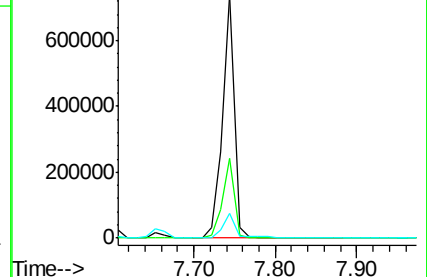
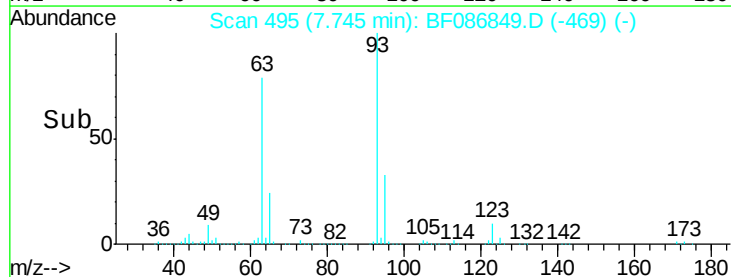
123 10.2 9.5 14.3

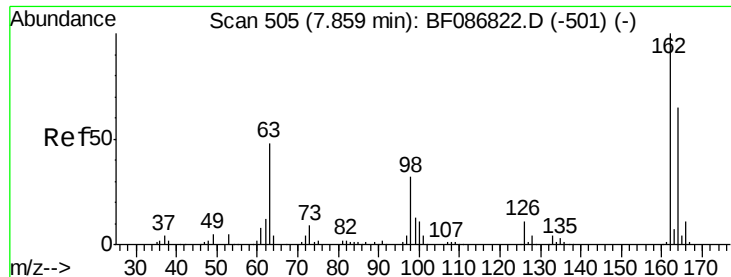


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

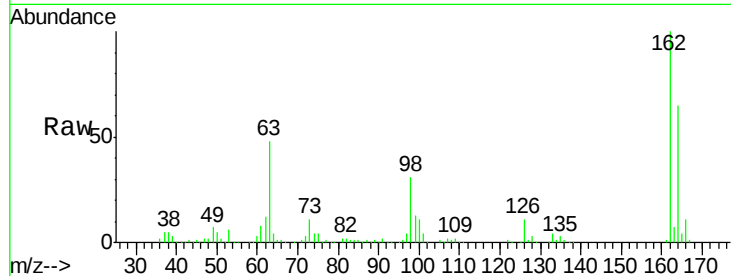




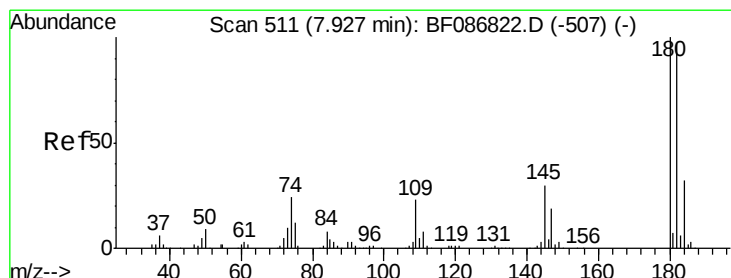
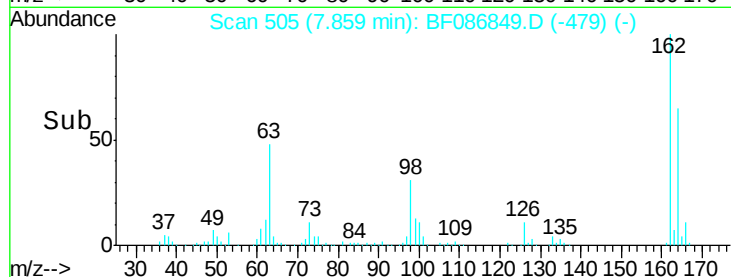
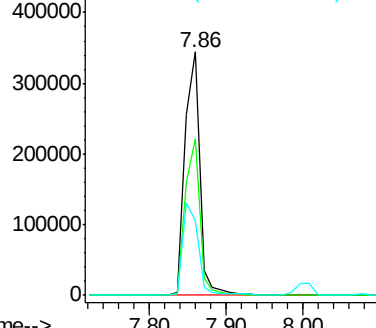
#29  
 2,4-Dichlorophenol  
 Concen: 51.33 ng  
 RT: 7.86 min Scan# 505  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 42.2  | 82.2  |
| 98      | 30.7  | 19.0  | 59.0  |

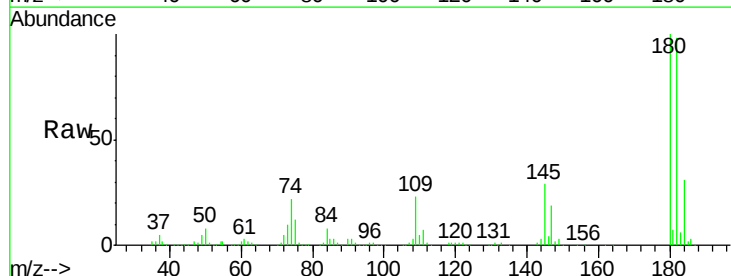


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

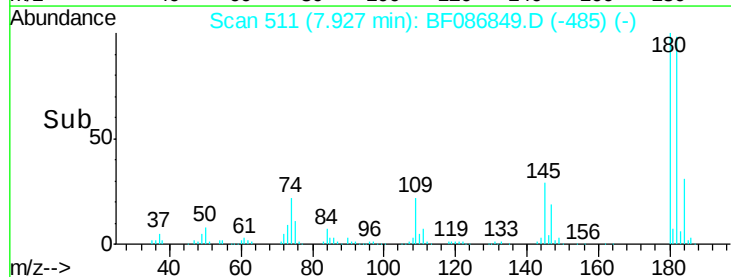
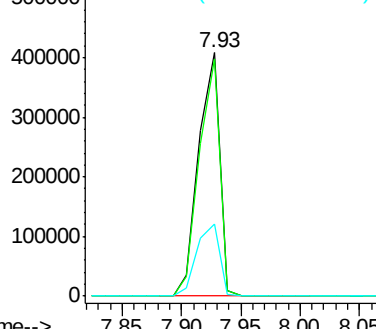


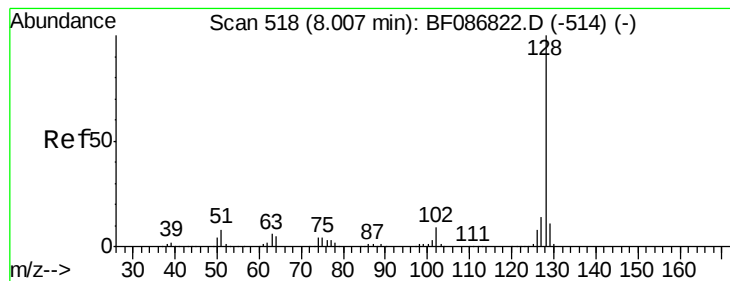
#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.97 ng  
 RT: 7.93 min Scan# 511  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 78.0  | 117.0 |
| 145     | 29.5  | 24.2  | 36.2  |



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





#31

Naphthalene

Concen: 48.39 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

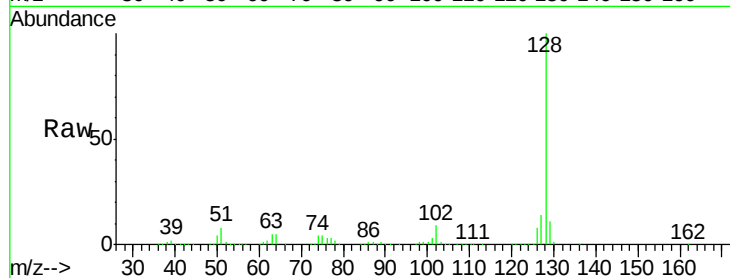
Tgt Ion:128 Resp: 1613051

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

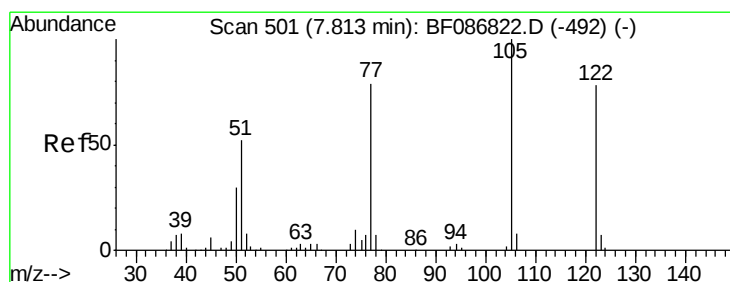
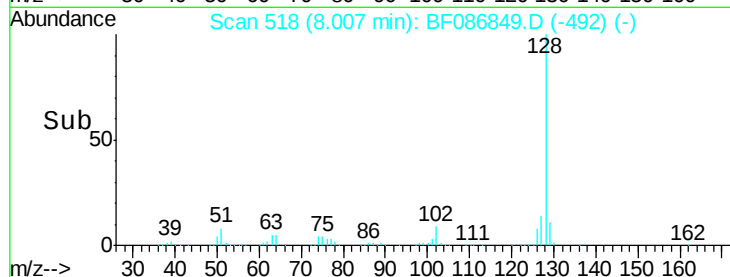
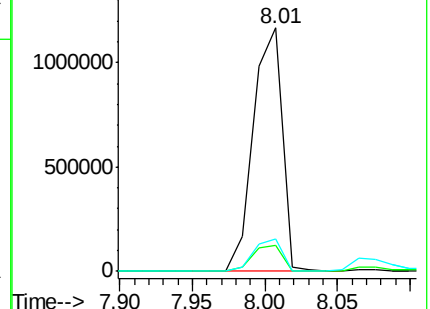
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 22.95 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.02 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

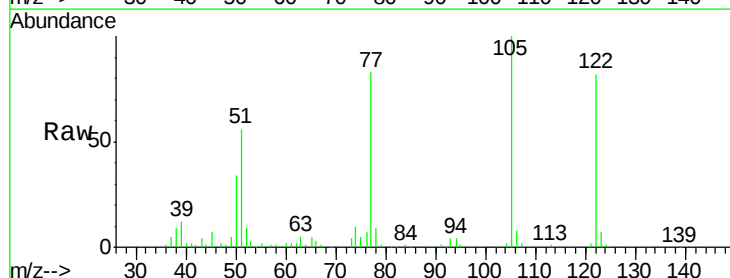
Tgt Ion:122 Resp: 137578

Ion Ratio Lower Upper

122 100

105 121.5 92.6 132.6

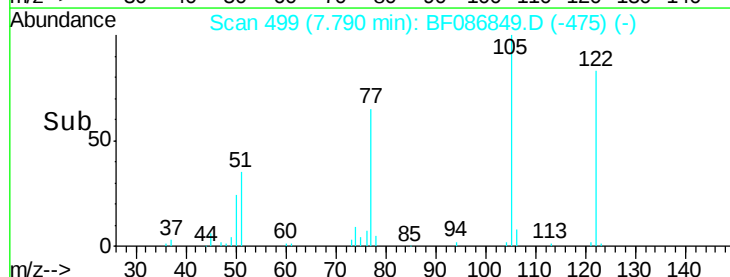
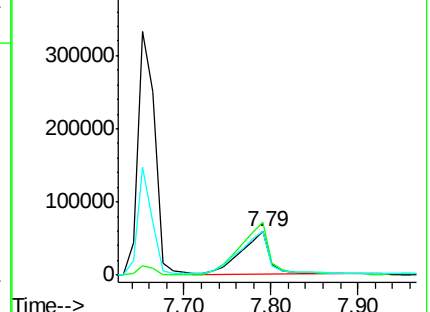
77 101.3 60.0 100.0#

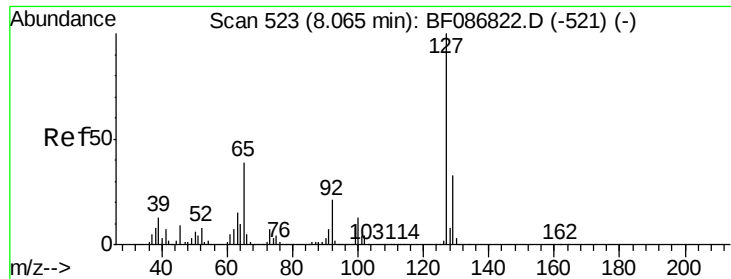


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

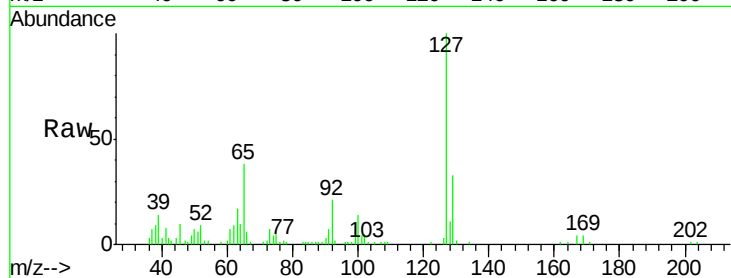




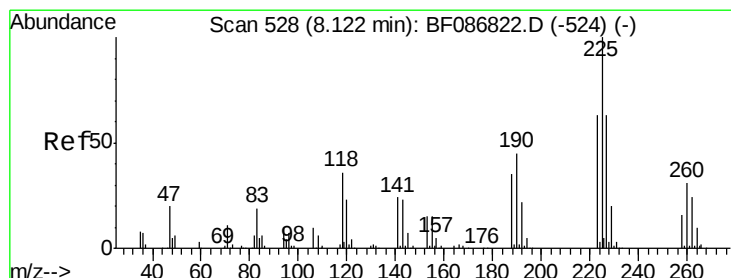
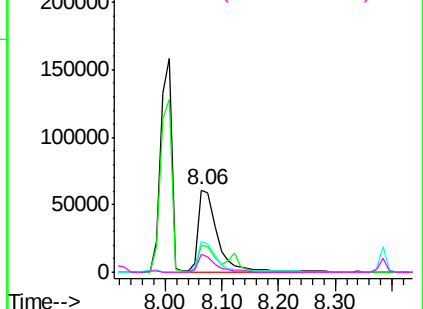
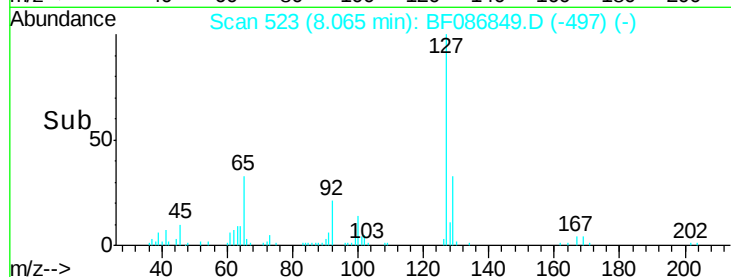
#33  
 4-Chloroaniline  
 Concen: 11.14 ng  
 RT: 8.06 min Scan# 523  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 144248 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 26.2  | 39.4   |
| 65       | 37.8  | 23.0  | 34.4   |
| 92       | 21.3  | 15.1  | 22.7   |

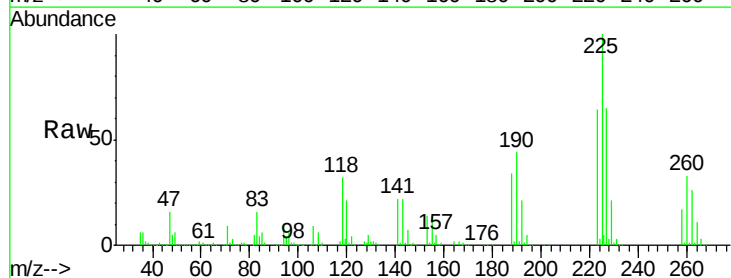


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

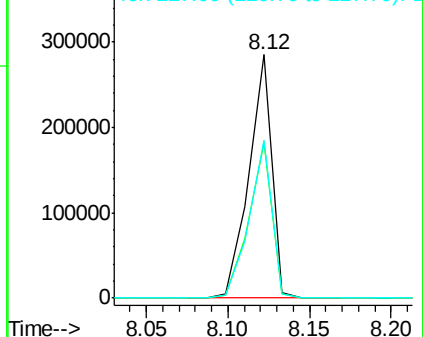
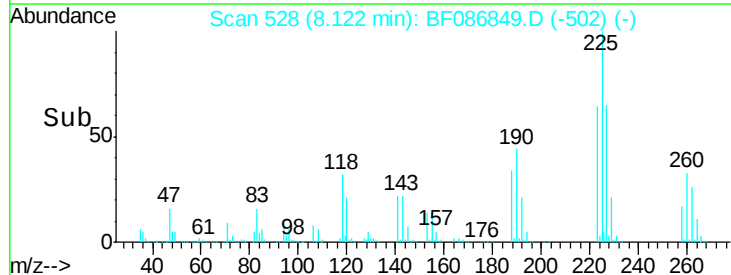


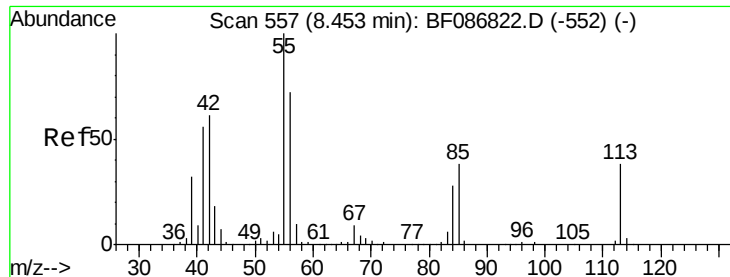
#34  
 Hexachlorobutadiene  
 Concen: 47.63 ng  
 RT: 8.12 min Scan# 528  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 277633 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.9  | 51.5  | 77.3   |
| 227      | 64.9  | 52.2  | 78.2   |



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

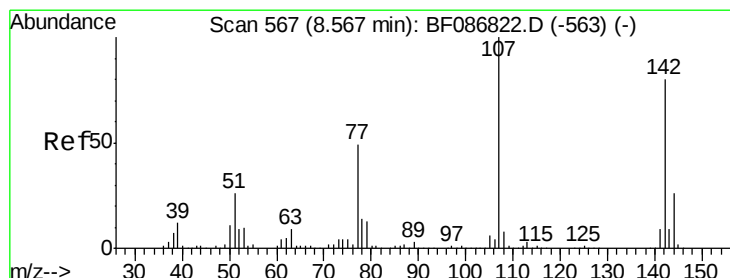
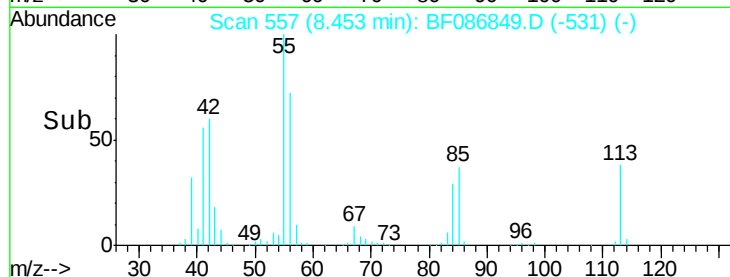
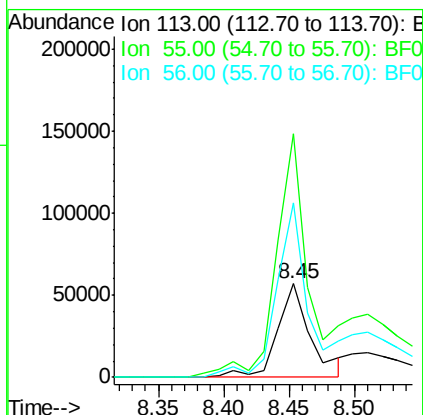
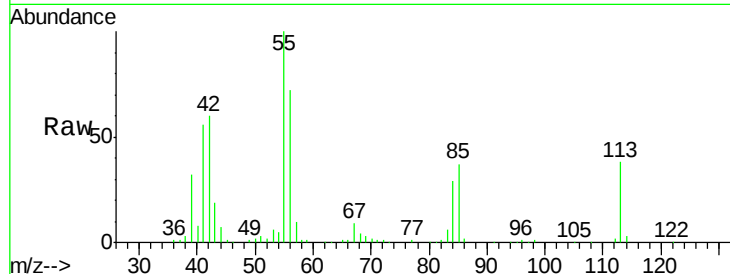




#35  
 Caprolactam  
 Concen: 32.93 ng  
 RT: 8.45 min Scan# 557  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

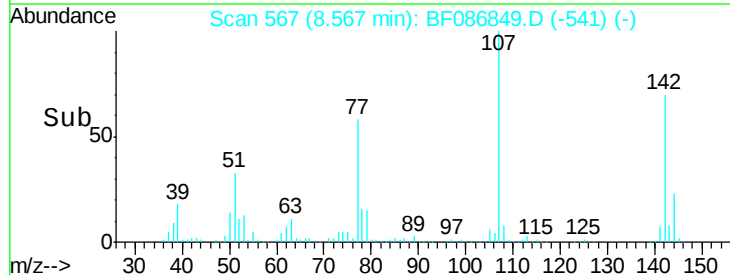
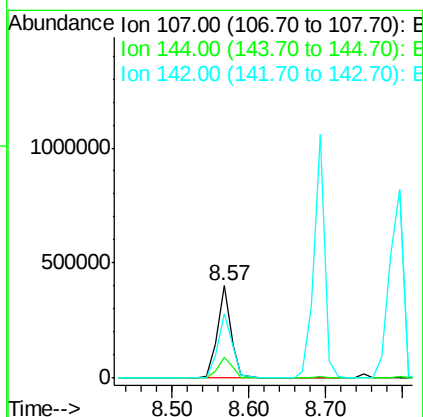
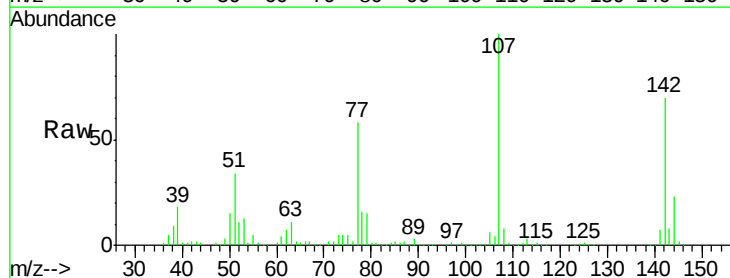
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

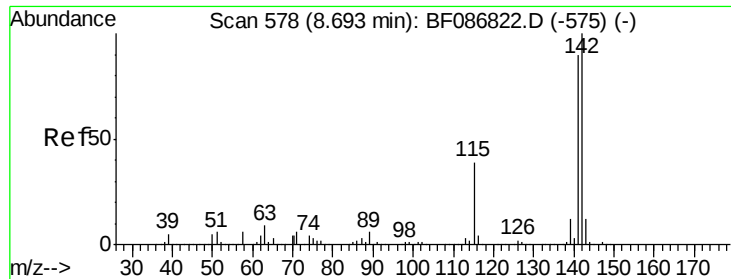
Tgt Ion:113 Resp: 100678  
 Ion Ratio Lower Upper  
 113 100  
 55 260.8 162.0 202.0#  
 56 187.3 115.3 155.3#



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.03 ng  
 RT: 8.57 min Scan# 567  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion:107 Resp: 501533  
 Ion Ratio Lower Upper  
 107 100  
 144 22.8 20.7 31.1  
 142 70.1 63.2 94.8





#37

2-Methylnaphthalene

Concen: 52.07 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

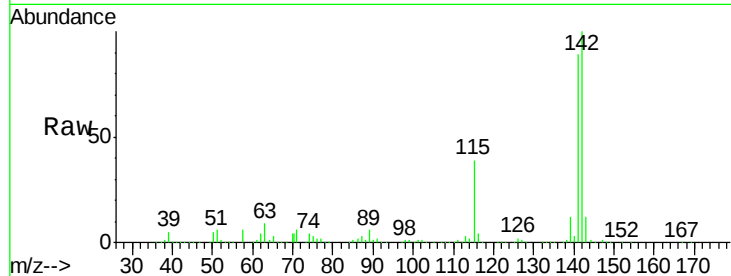
Tgt Ion:142 Resp: 1014715

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6

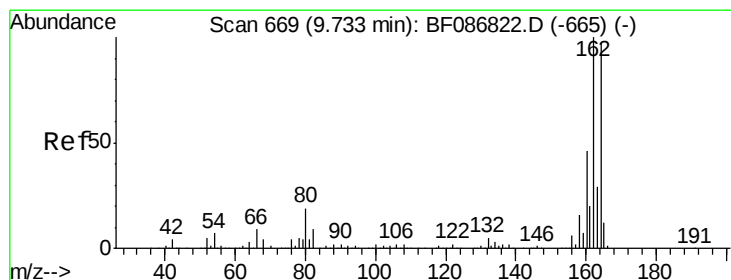
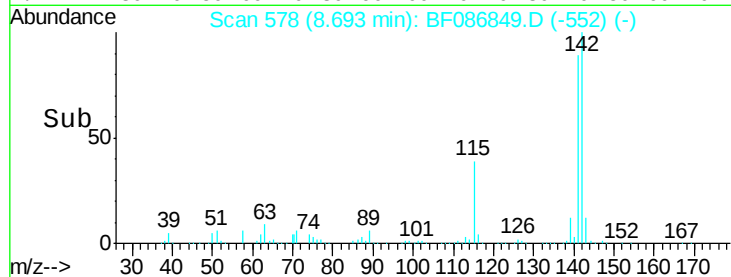
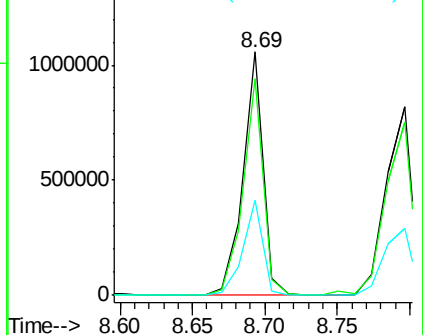
115 39.0 26.6 39.8



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: 9.73 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

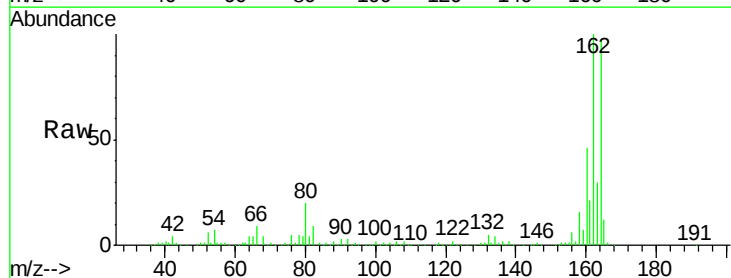
Tgt Ion:164 Resp: 316098

Ion Ratio Lower Upper

164 100

162 102.9 82.8 124.2

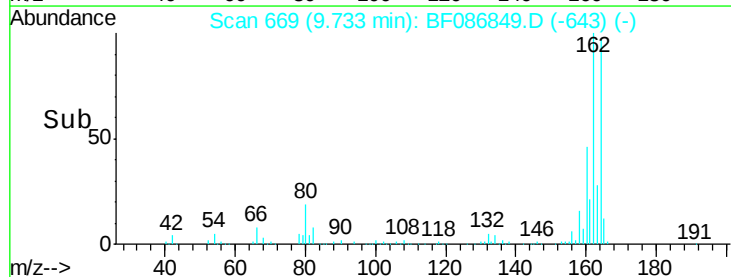
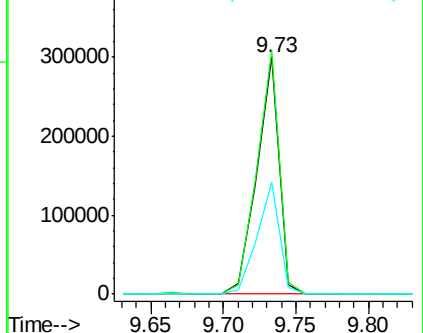
160 47.3 36.9 55.3

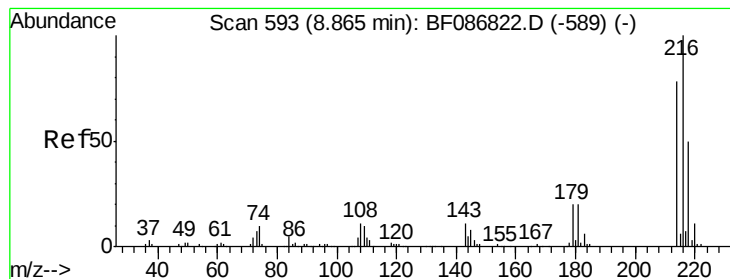


Abundance Ion 164.00 (163.70 to 164.70): E

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: 47.46 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:216 Resp: 436143

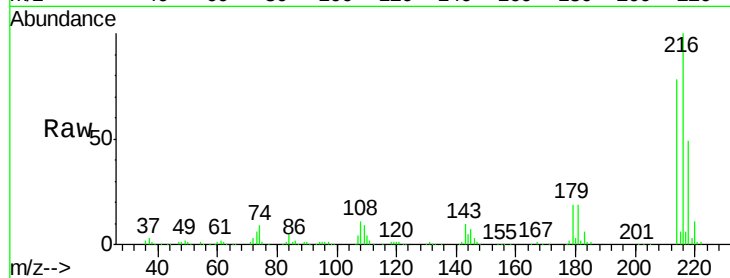
Ion Ratio Lower Upper

216 100

214 79.5 62.6 93.8

179 22.8 18.2 27.4

108 22.4 17.5 26.3

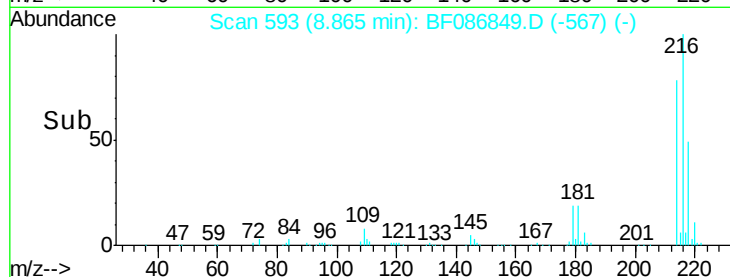


Abundance Ion 216.00 (215.70 to 216.70): E

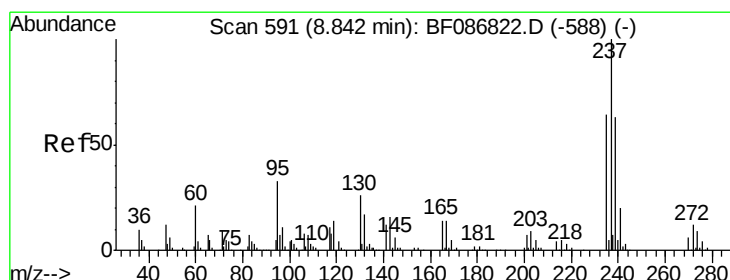
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 53.79 ng

RT: 8.84 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

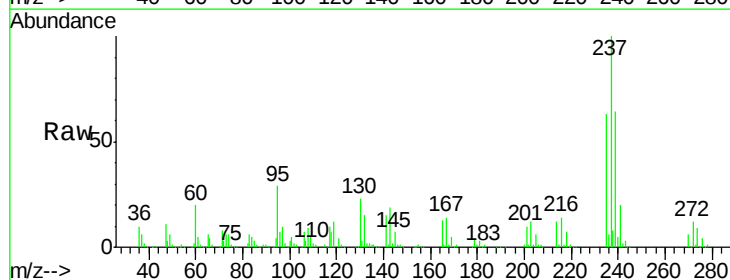
Tgt Ion:237 Resp: 234645

Ion Ratio Lower Upper

237 100

235 63.5 47.2 87.2

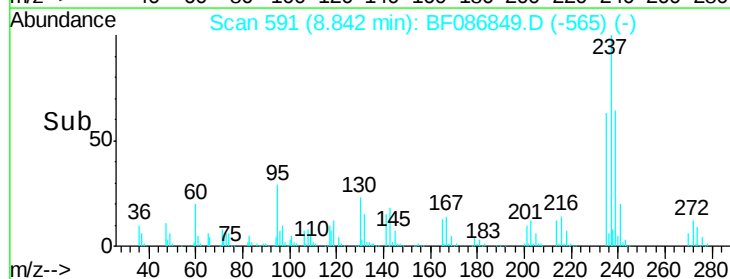
272 11.7 0.0 31.1



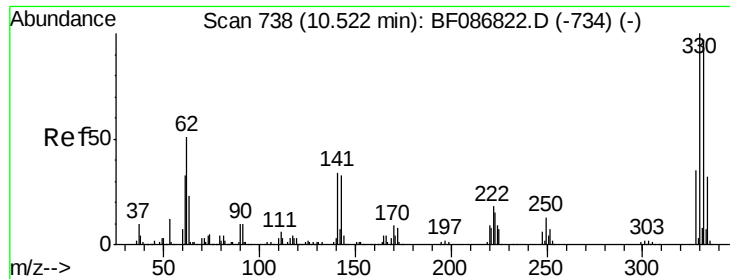
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



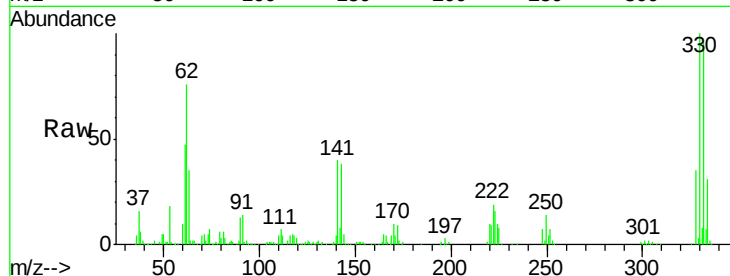
Time-->



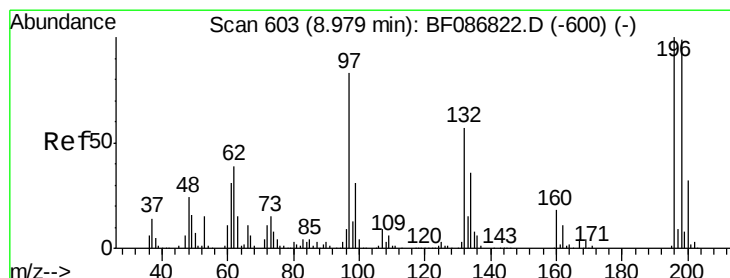
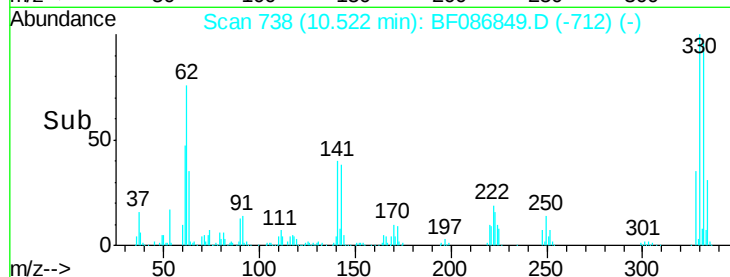
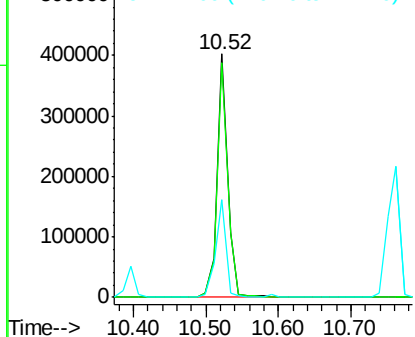
#41  
 2,4,6-Tribromophenol  
 Concen: 122.97 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. 0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:330 Resp: 411520  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 79.0 118.4  
 141 39.1 31.2 46.8

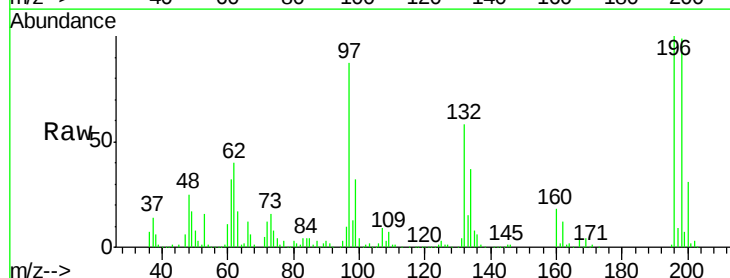


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

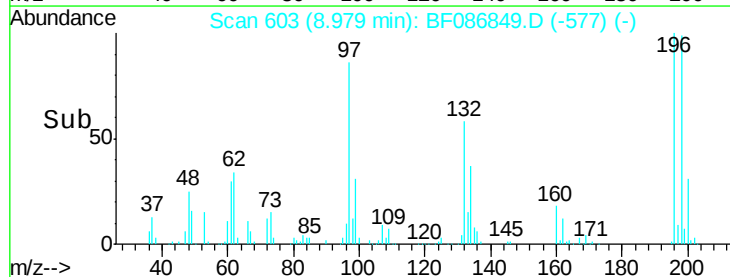
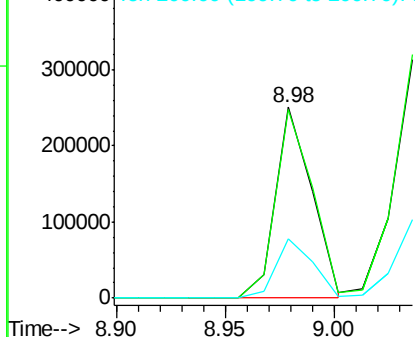


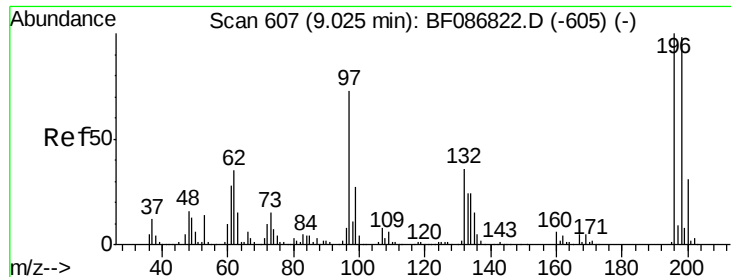
#42  
 2,4,6-Trichlorophenol  
 Concen: 48.09 ng  
 RT: 8.98 min Scan# 603  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion:196 Resp: 295515  
 Ion Ratio Lower Upper  
 196 100  
 198 98.7 74.7 112.1  
 200 31.3 23.8 35.6



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

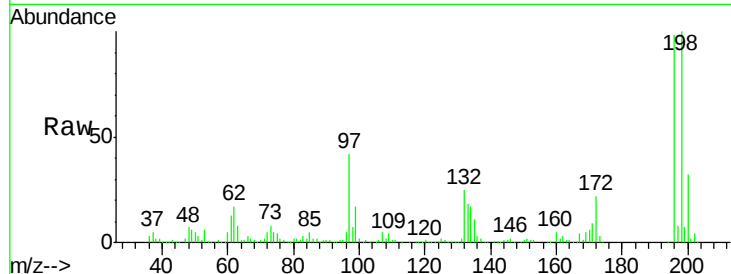




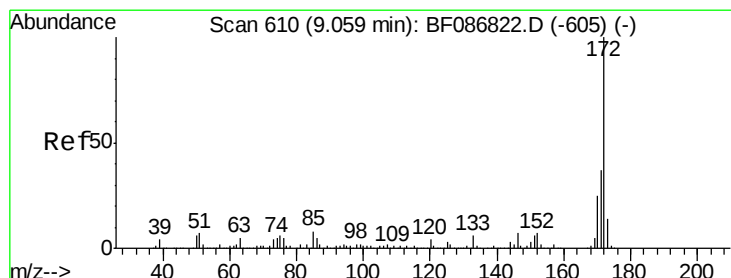
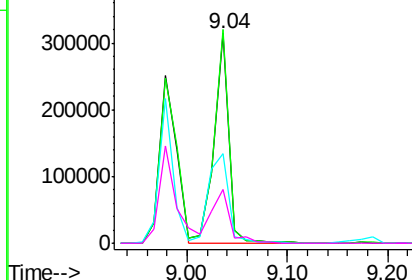
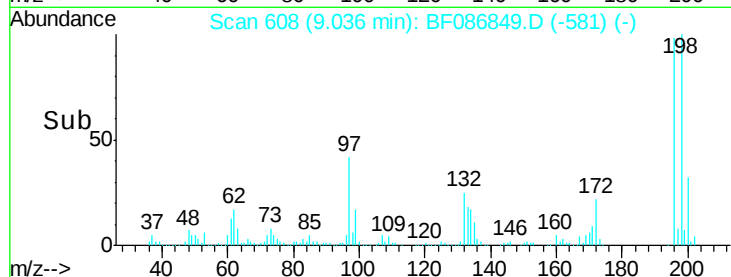
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.65 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. 0.01 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:196 Resp: 315573  
 Ion Ratio Lower Upper  
 196 100  
 198 102.0 77.5 116.3  
 97 42.8 34.8 52.2  
 132 25.8 23.0 34.4

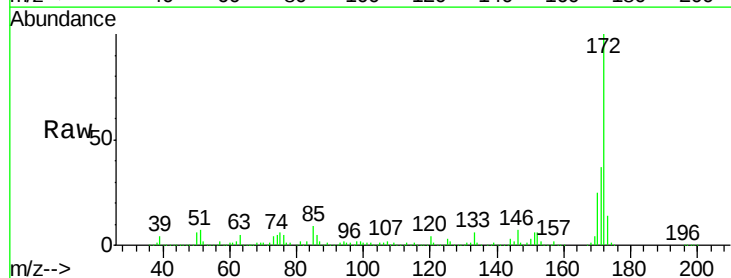


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

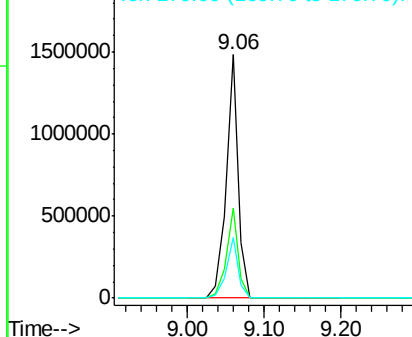
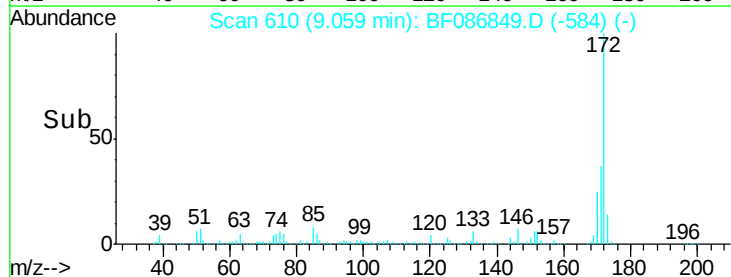


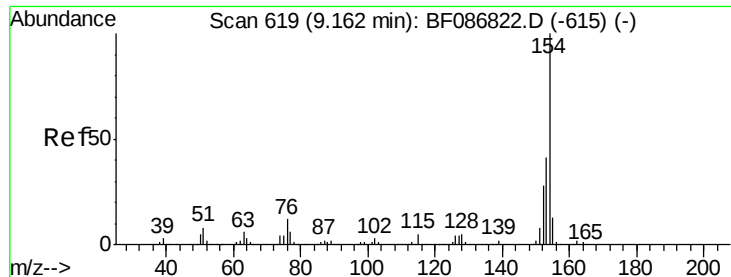
#44  
 2-Fluorobiphenyl  
 Concen: 87.55 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion:172 Resp: 1646673  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.0 43.6  
 170 24.9 19.8 29.8



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: 51.34 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

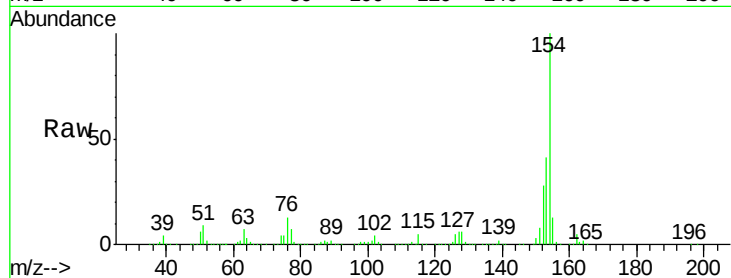
Tgt Ion:154 Resp: 1290822

Ion Ratio Lower Upper

154 100

153 41.3 20.3 60.3

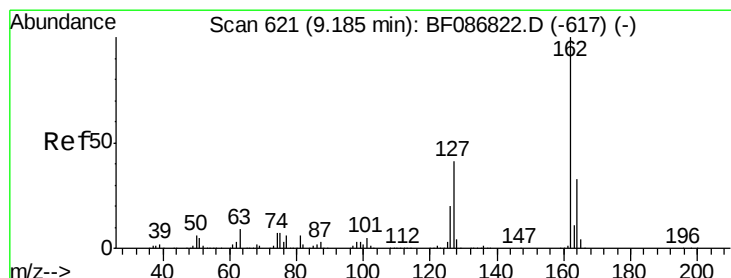
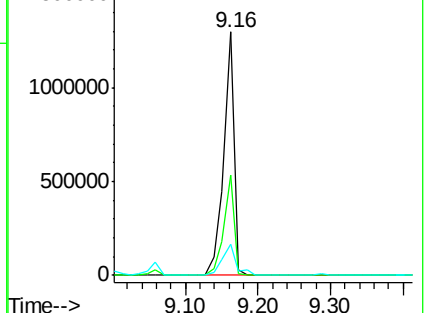
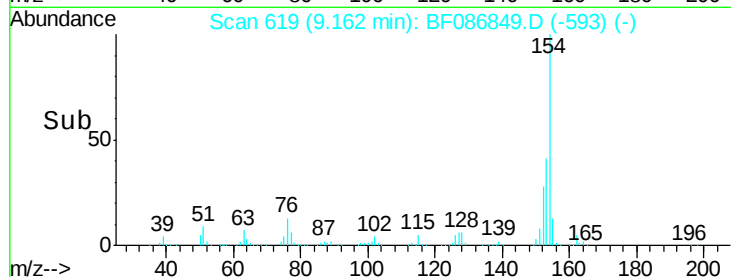
76 12.8 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.98 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

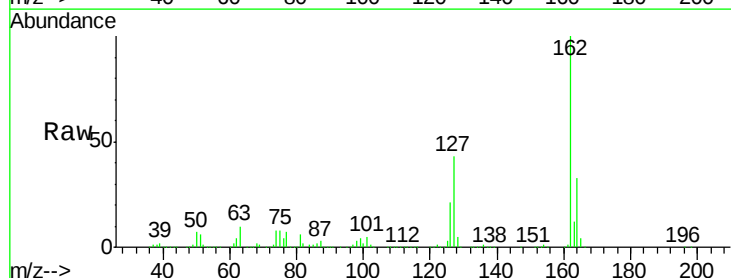
Tgt Ion:162 Resp: 984484

Ion Ratio Lower Upper

162 100

127 43.3 31.8 47.6

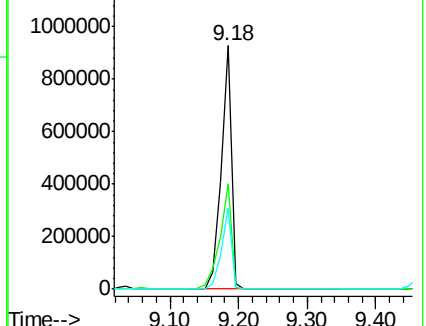
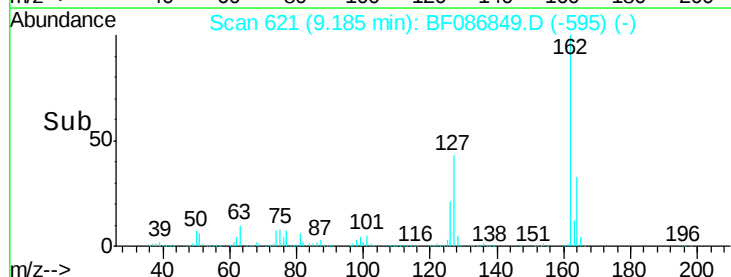
164 33.4 27.0 40.6

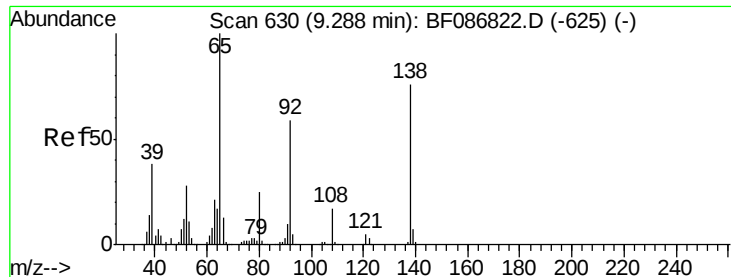


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

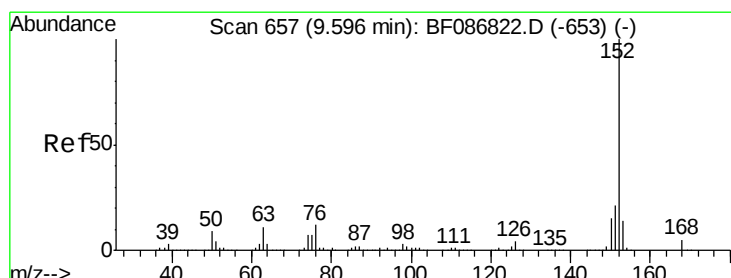
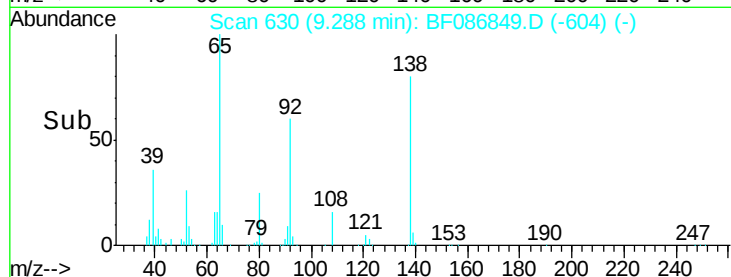
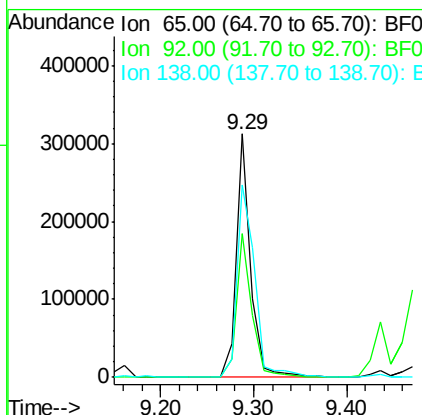
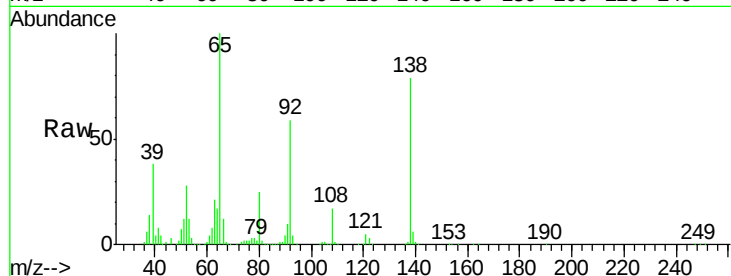




#47  
 2-Nitroaniline  
 Concen: 47.01 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

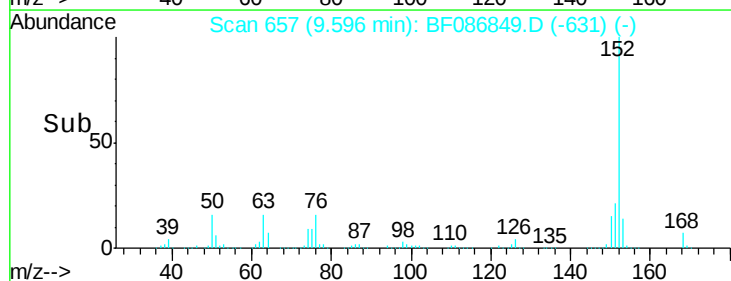
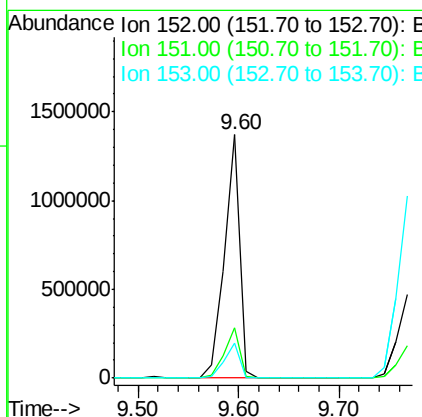
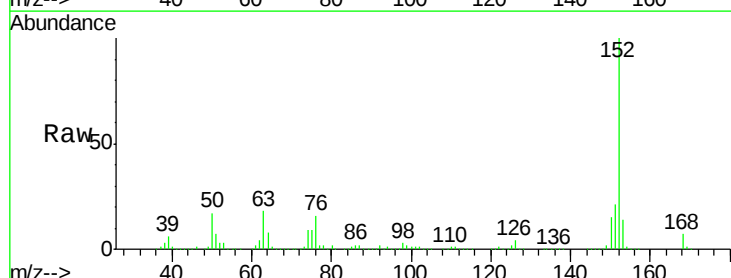
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

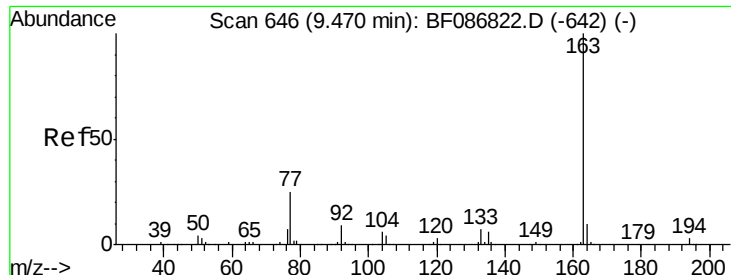
Tgt Ion: 65 Resp: 338433  
 Ion Ratio Lower Upper  
 65 100  
 92 59.3 57.4 86.2  
 138 78.8 90.1 135.1#



#48  
 Acenaphthylene  
 Concen: 49.73 ng  
 RT: 9.60 min Scan# 657  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion: 152 Resp: 1440936  
 Ion Ratio Lower Upper  
 152 100  
 151 20.5 16.8 25.2  
 153 14.1 10.9 16.3

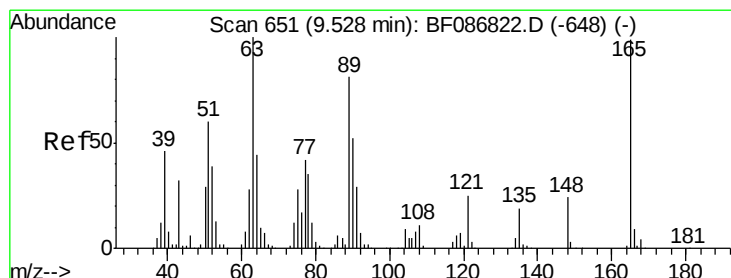
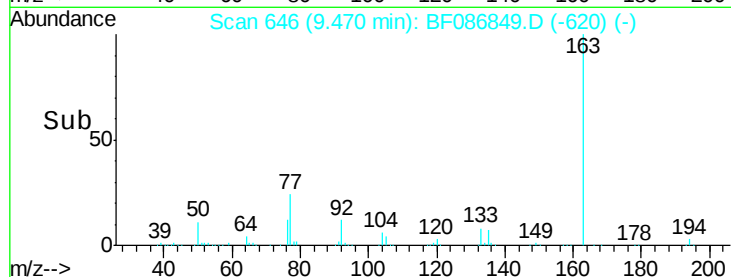
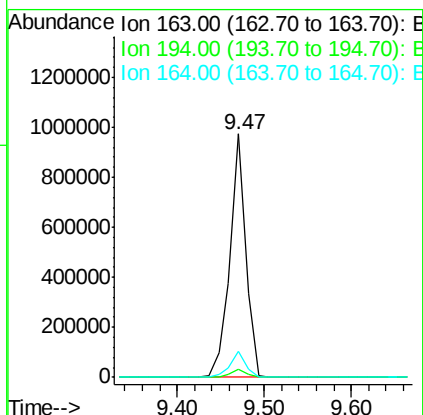
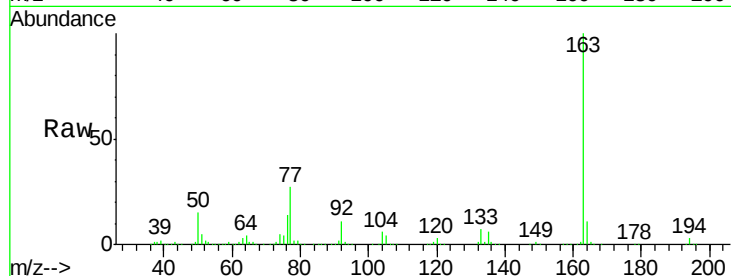




#49  
Dimethylphthalate  
Concen: 50.99 ng  
RT: 9.47 min Scan# 646  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

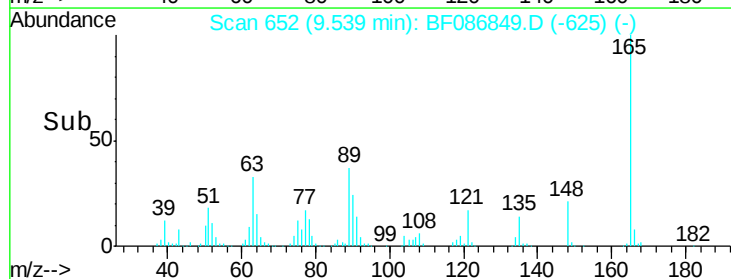
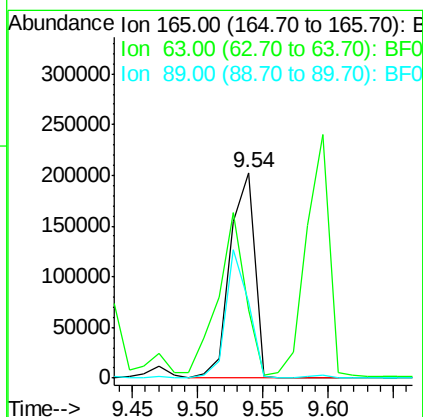
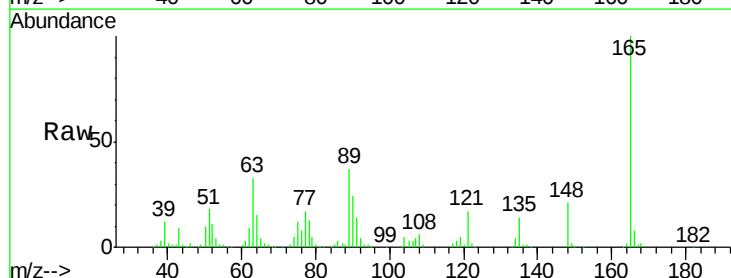
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

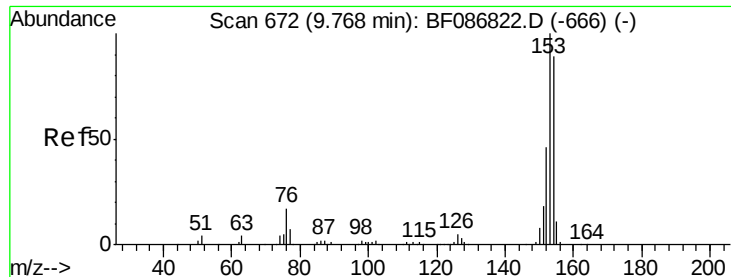
Tgt Ion:163 Resp: 1229599  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 10.5 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 51.81 ng  
RT: 9.54 min Scan# 652  
Delta R.T. 0.01 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion:165 Resp: 262948  
Ion Ratio Lower Upper  
165 100  
63 33.5 51.8 77.8#  
89 36.7 50.7 76.1#





#51

Acenaphthene

Concen: 51.84 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

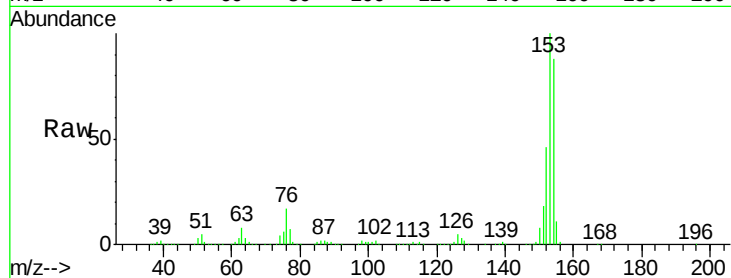
Tgt Ion:154 Resp: 934331

Ion Ratio Lower Upper

154 100

153 114.0 89.8 134.6

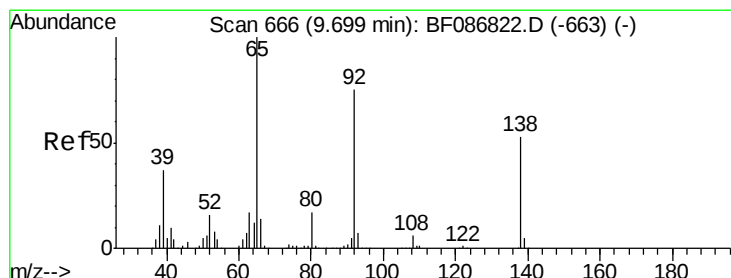
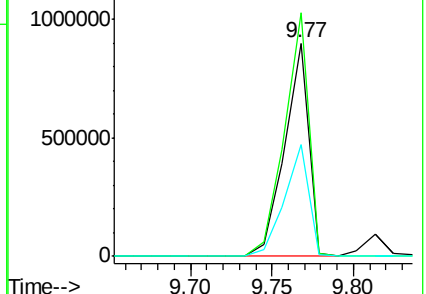
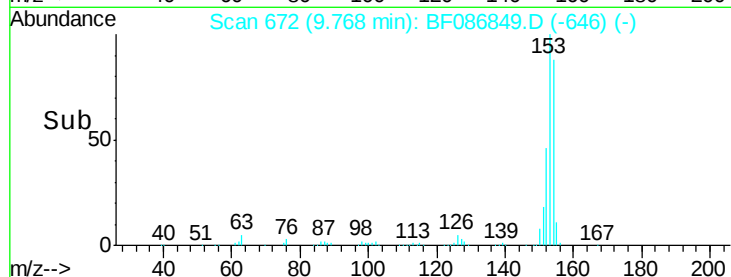
152 52.5 43.4 65.0



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: 23.21 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

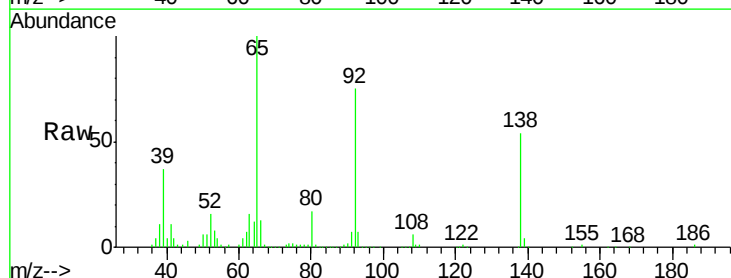
Tgt Ion:138 Resp: 124035

Ion Ratio Lower Upper

138 100

108 11.4 7.8 11.6

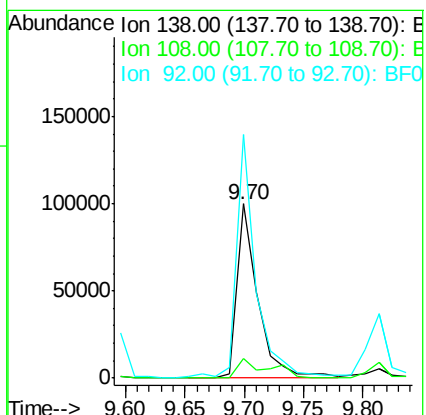
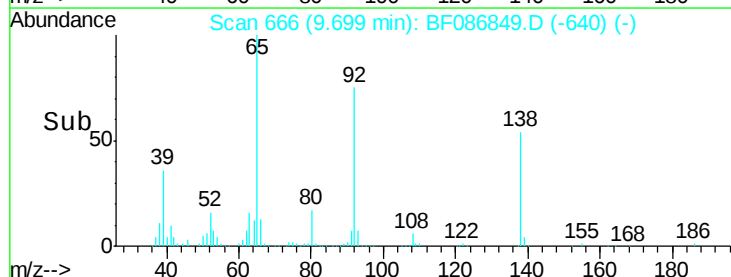
92 139.7 87.8 131.8#

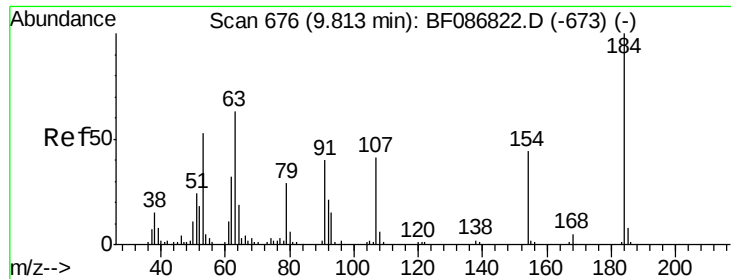


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

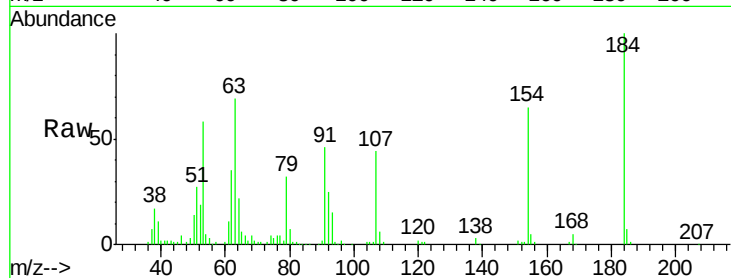




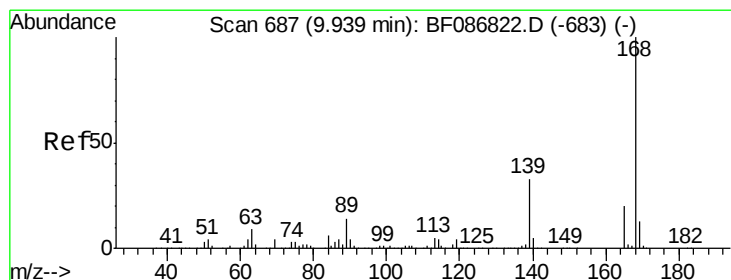
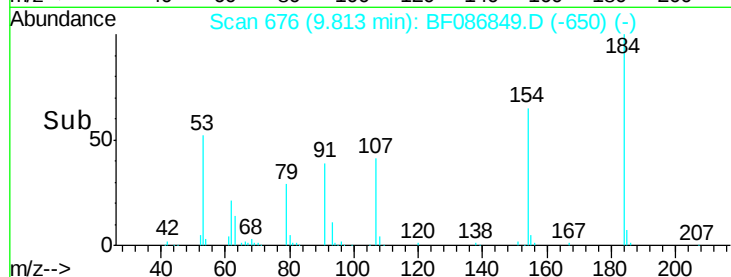
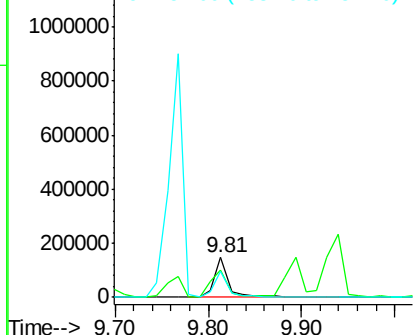
#53  
2,4-Dinitrophenol  
Concen: 62.37 ng  
RT: 9.81 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:184 Resp: 156895  
Ion Ratio Lower Upper  
184 100  
63 68.6 55.8 83.8  
154 65.3 62.4 93.6

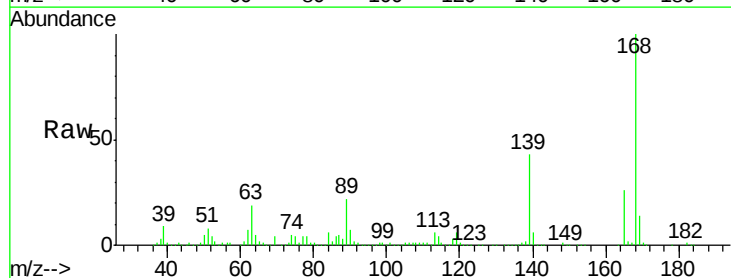


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

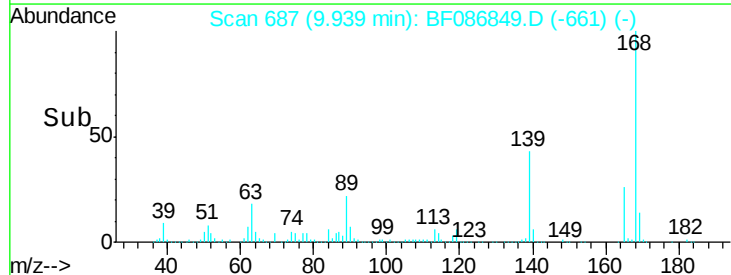
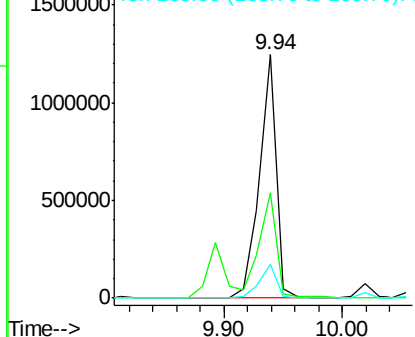


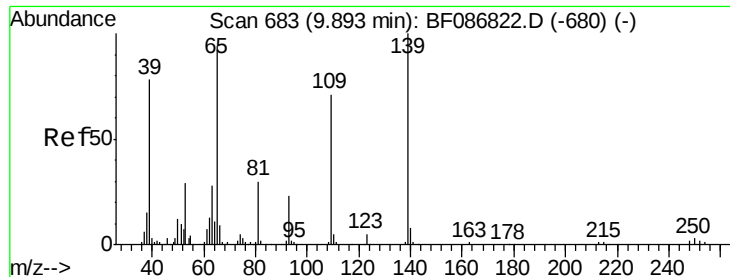
#54  
Dibenzofuran  
Concen: 53.37 ng  
RT: 9.94 min Scan# 687  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion:168 Resp: 1234859  
Ion Ratio Lower Upper  
168 100  
139 43.1 31.4 47.0  
169 13.7 10.7 16.1



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





#55

4-Nitrophenol

Concen: 87.20 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

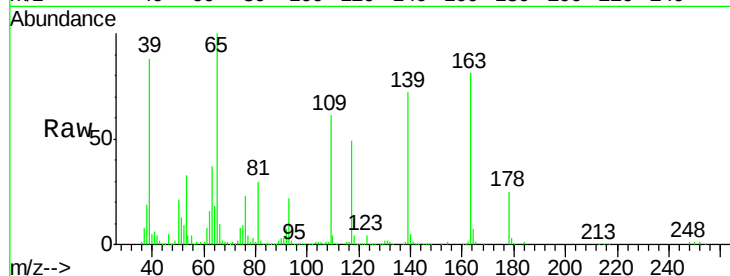
Tgt Ion:139 Resp: 312220

Ion Ratio Lower Upper

139 100

109 83.9 36.9 76.9#

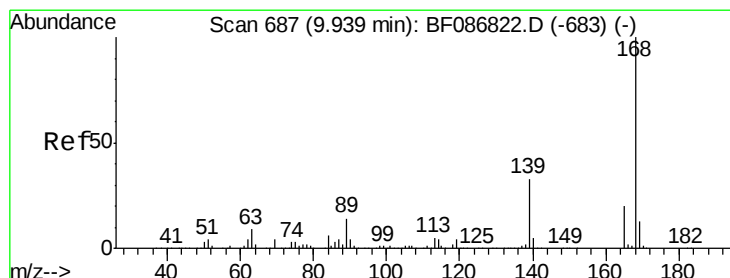
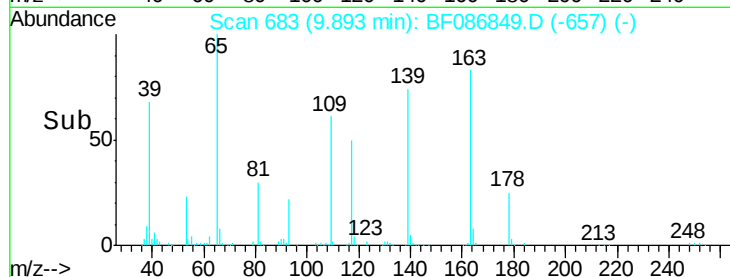
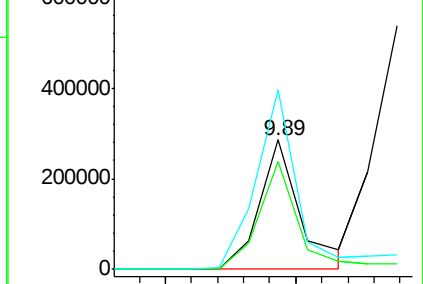
65 138.6 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 52.77 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Tgt Ion:165 Resp: 331448

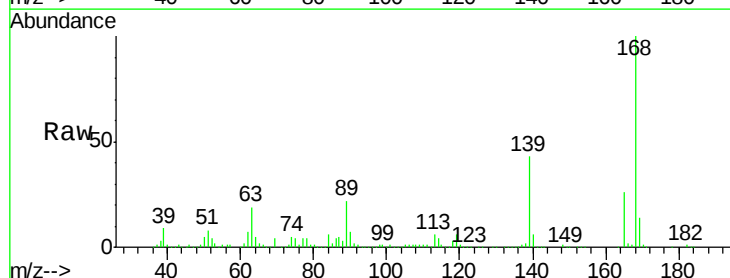
Ion Ratio Lower Upper

165 100

63 72.3 44.3 66.5#

89 84.9 70.0 105.0

182 2.5 1.8 2.6

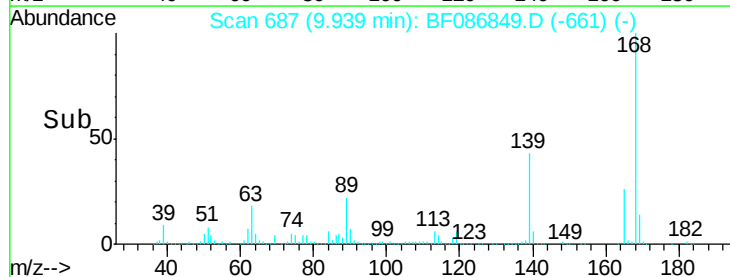
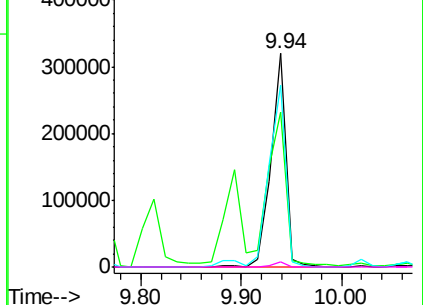


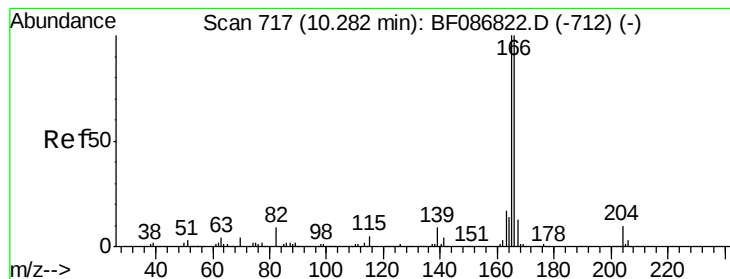
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 51.88 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

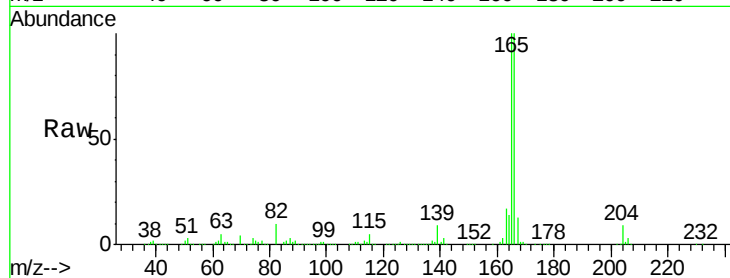
Tgt Ion:166 Resp: 1023721

Ion Ratio Lower Upper

166 100

165 99.6 79.0 118.6

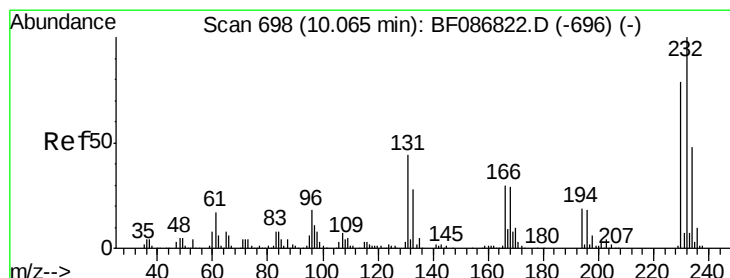
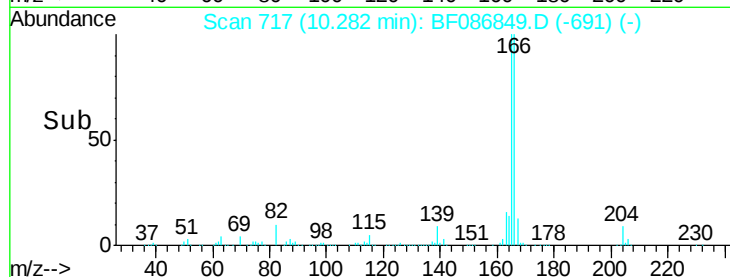
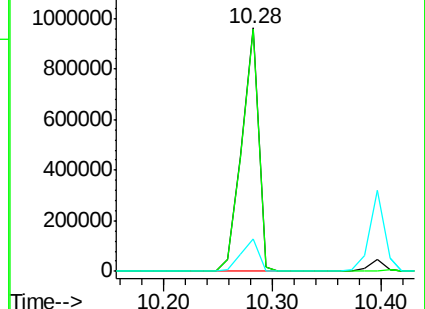
167 13.2 10.6 15.8



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: 54.82 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Tgt Ion:232 Resp: 262318

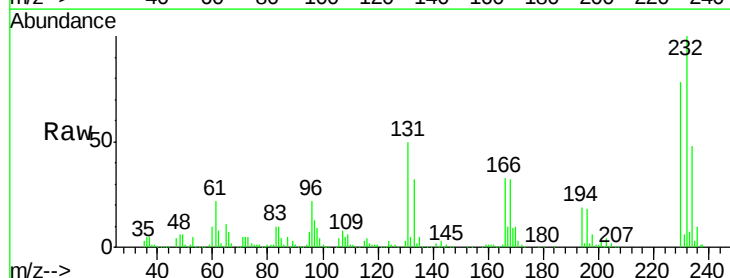
Ion Ratio Lower Upper

232 100

131 54.6 41.9 62.9

130 2.8 2.2 3.4

166 33.4 26.8 40.2

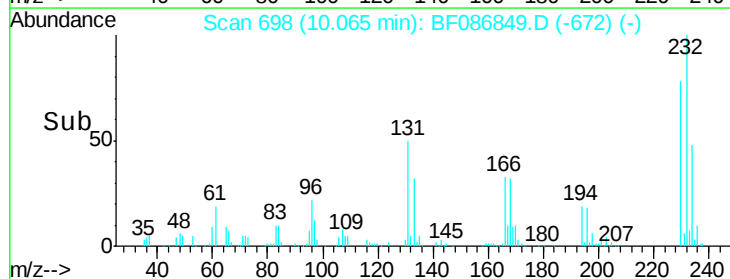
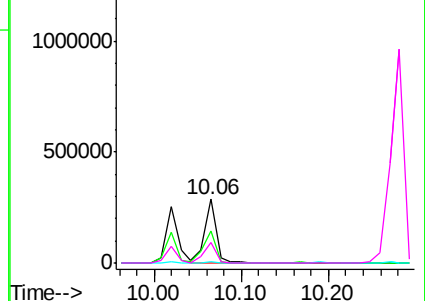


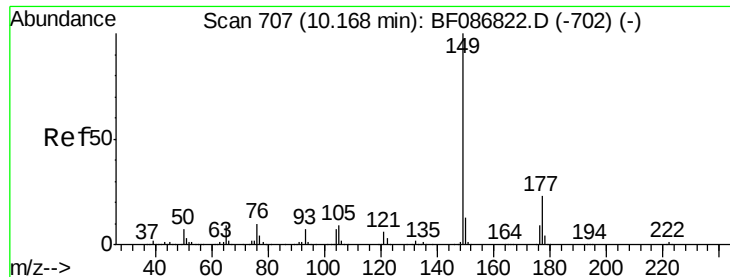
Abundance Ion 232.00 (231.70 to 232.70): E

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

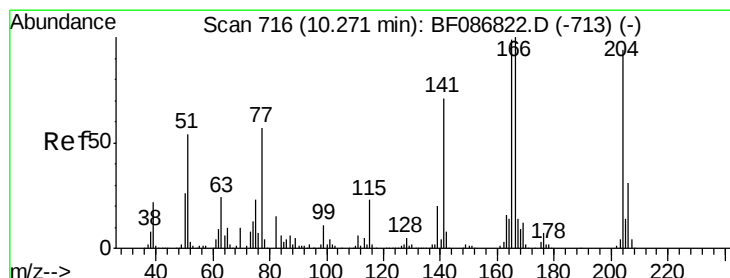
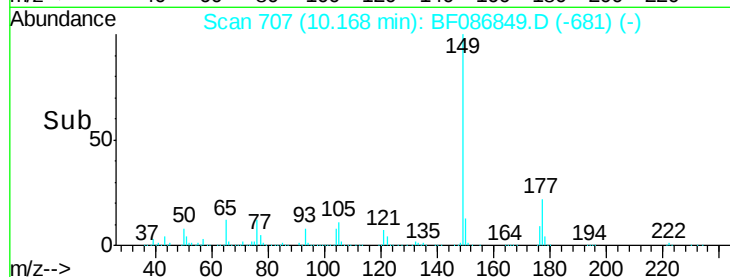
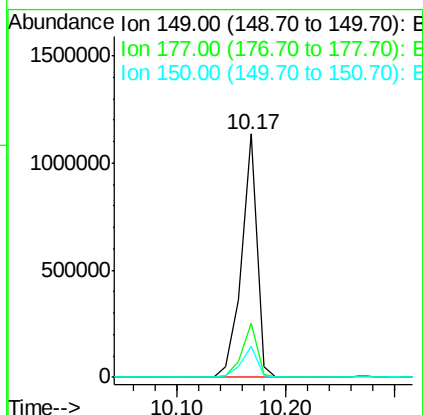
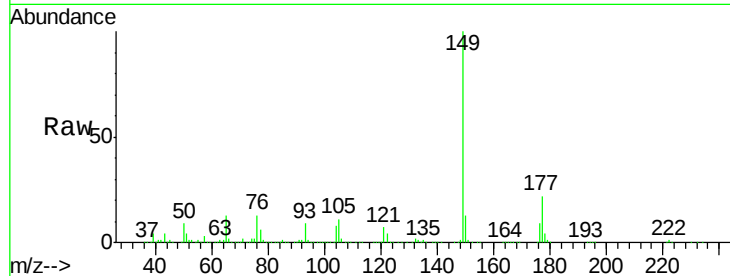




#59  
Diethylphthalate  
Concen: 46.93 ng  
RT: 10.17 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

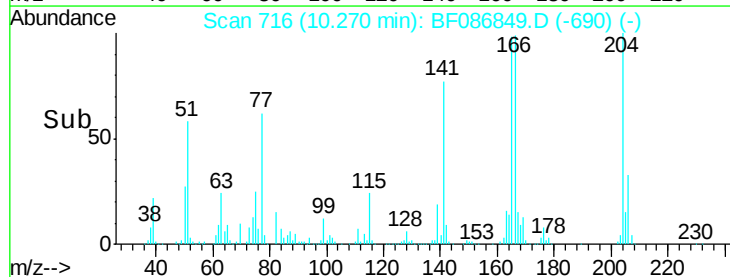
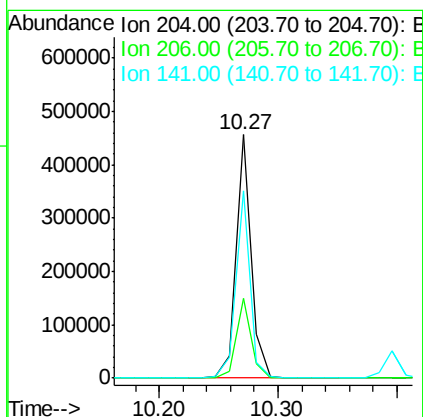
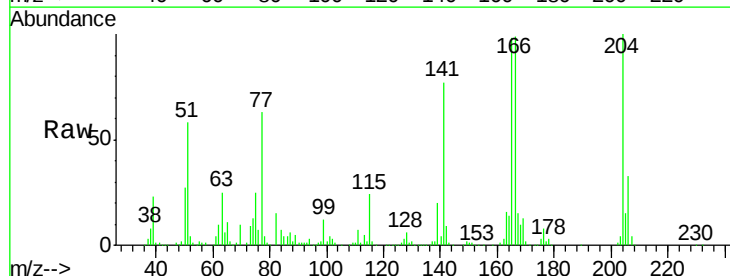
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

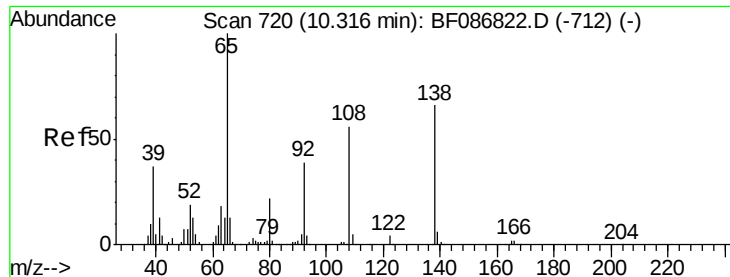
Tgt Ion:149 Resp: 1102819  
Ion Ratio Lower Upper  
149 100  
177 22.0 16.6 24.8  
150 13.0 10.0 15.0



#60  
4-Chlorophenyl-phenylether  
Concen: 47.62 ng  
RT: 10.27 min Scan# 716  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion:204 Resp: 402924  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.4 38.0  
141 77.0 61.6 92.4





#61

4-Nitroaniline

Concen: 45.21 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

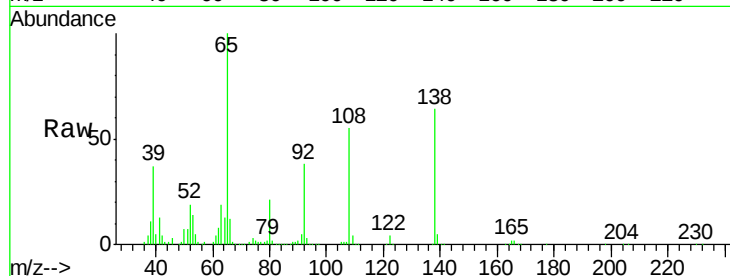
Tgt Ion:138 Resp: 231998

Ion Ratio Lower Upper

138 100

92 60.0 24.7 64.7

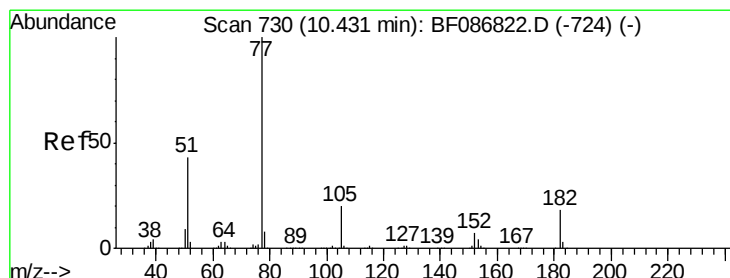
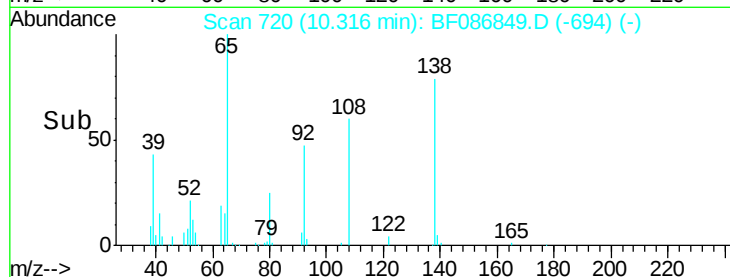
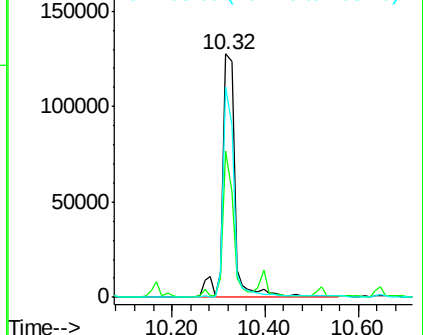
108 86.4 37.4 77.4#



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: 49.91 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Tgt Ion: 77 Resp: 1265345

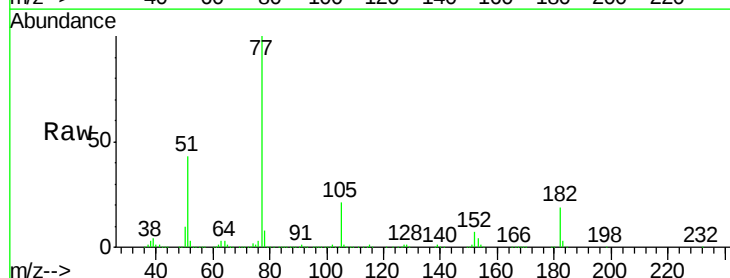
Ion Ratio Lower Upper

77 100

182 18.8 0.0 38.8

105 20.6 3.2 43.2

51 43.0 8.8 48.8

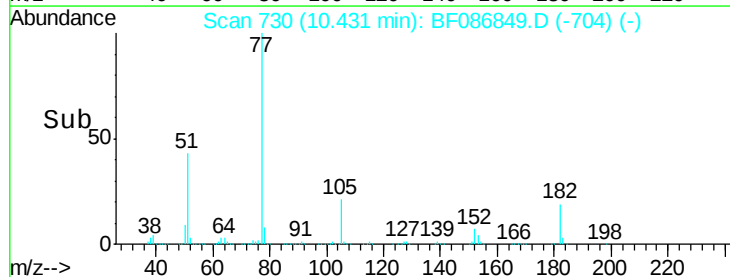
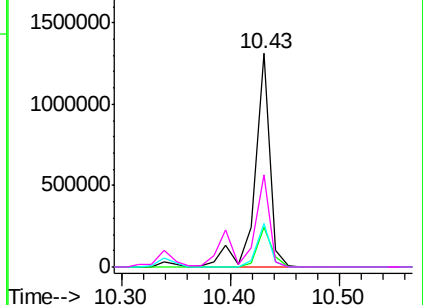


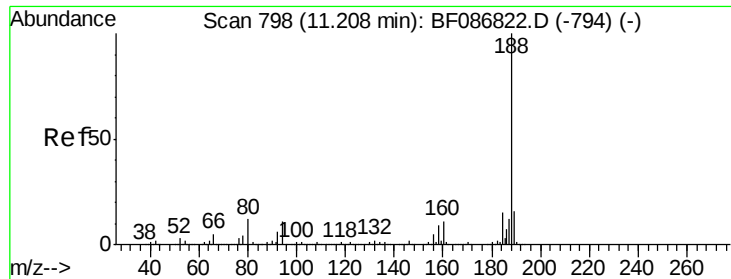
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

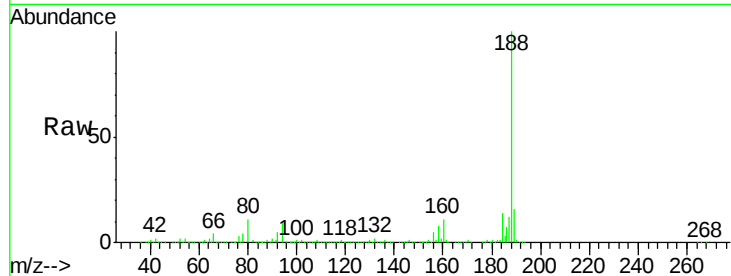
Tgt Ion:188 Resp: 547807

Ion Ratio Lower Upper

188 100

94 10.3 6.8 10.2#

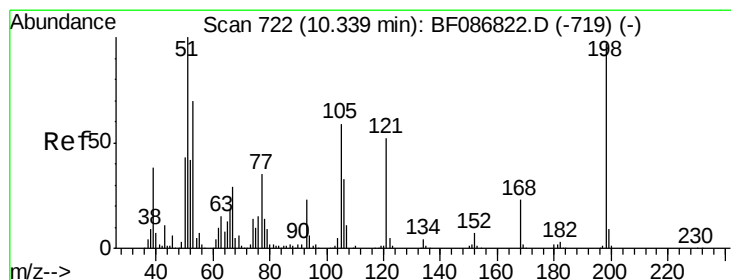
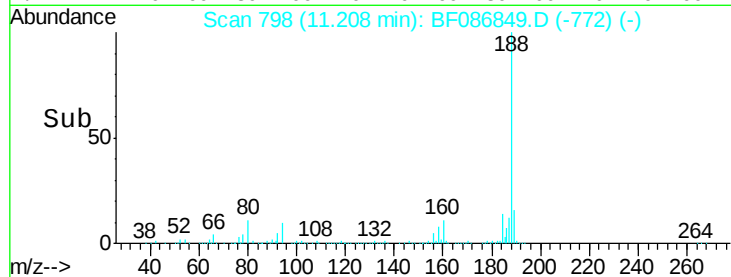
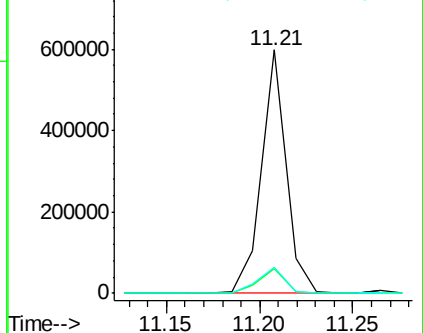
80 10.9 7.1 10.7#



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: 37.58 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

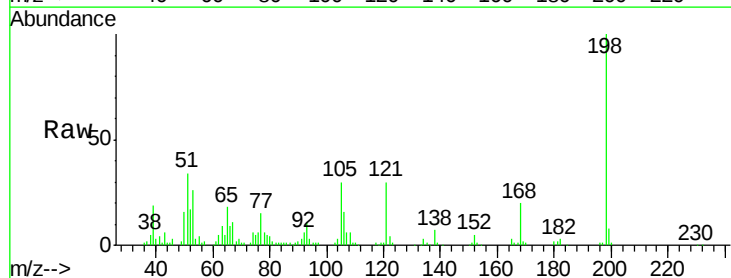
Tgt Ion:198 Resp: 127876

Ion Ratio Lower Upper

198 100

51 33.7 20.5 60.5

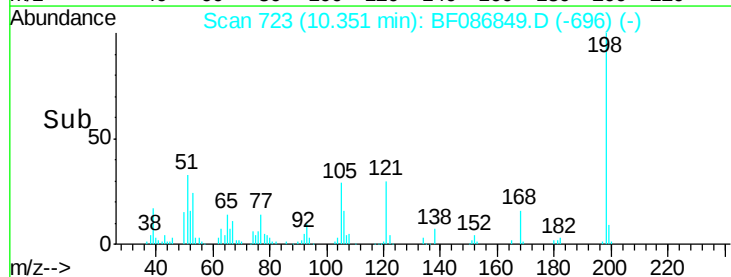
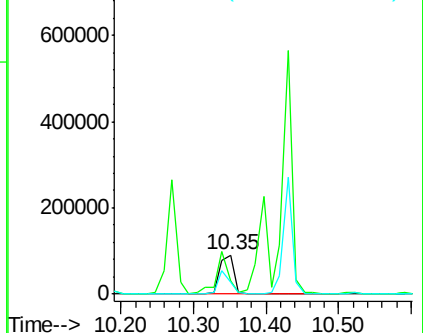
105 29.7 24.5 64.5

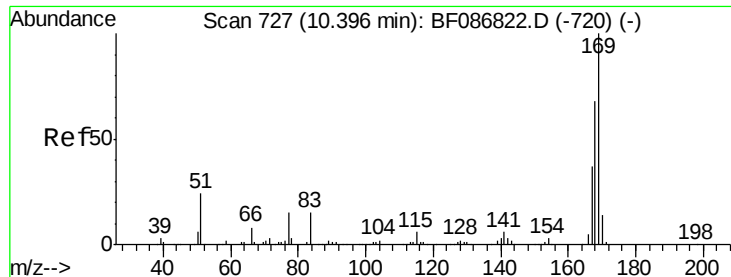


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 47.72 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

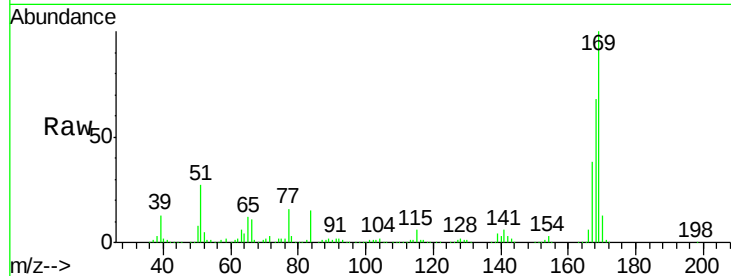
Tgt Ion:169 Resp: 803060

Ion Ratio Lower Upper

169 100

168 67.5 53.8 80.6

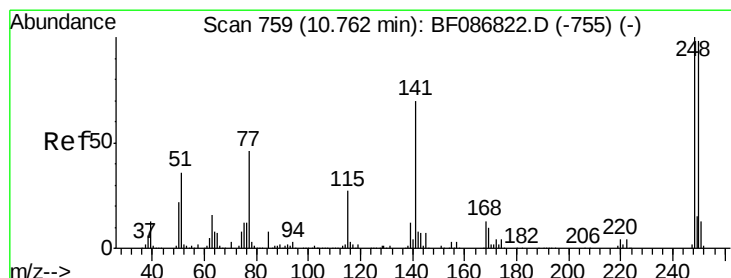
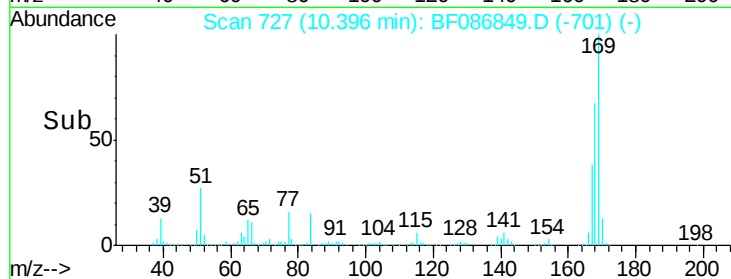
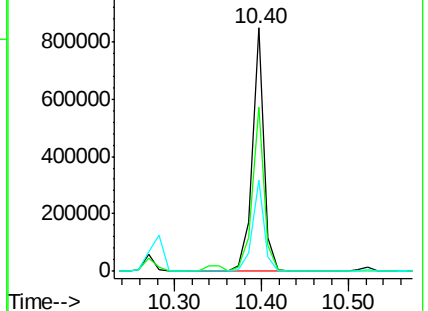
167 37.7 29.5 44.3



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: 52.67 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

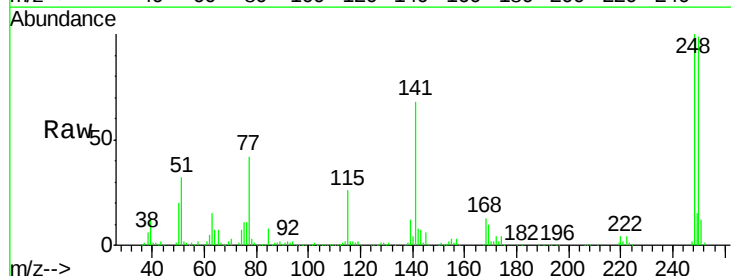
Tgt Ion:248 Resp: 292522

Ion Ratio Lower Upper

248 100

250 98.7 78.6 117.8

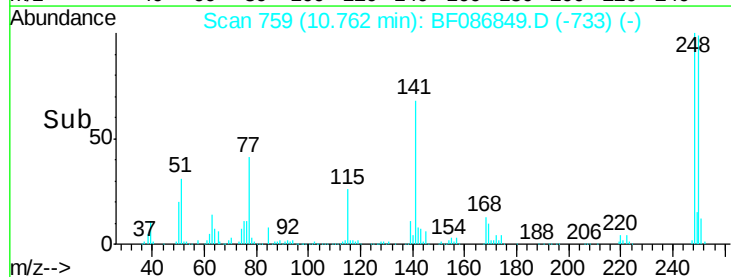
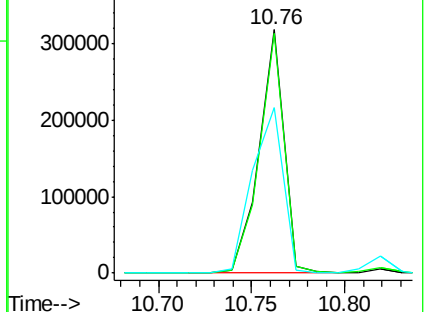
141 67.9 76.0 114.0#

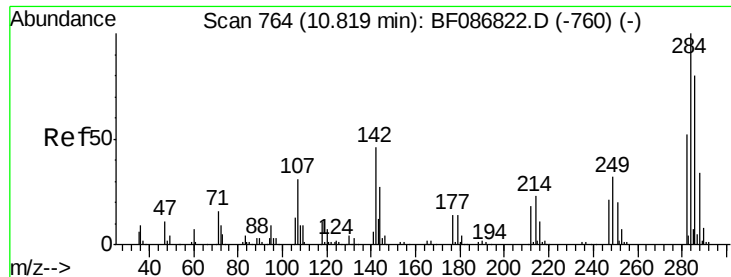


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

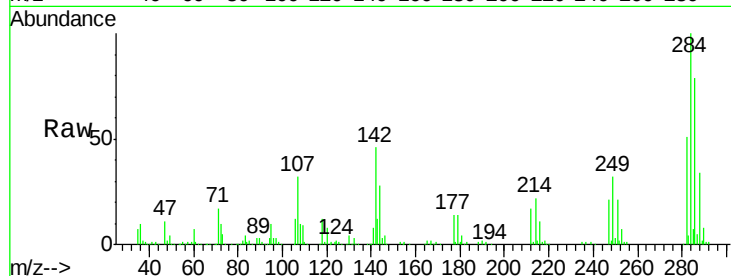




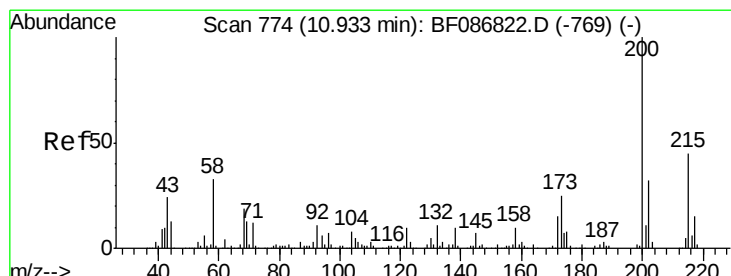
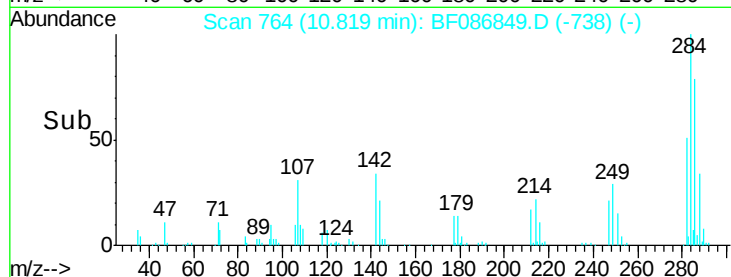
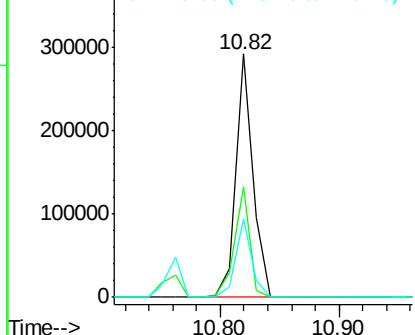
#67  
Hexachlorobenzene  
Concen: 45.09 ng  
RT: 10.82 min Scan# 764  
Delta R.T. -0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:284 Resp: 292697  
Ion Ratio Lower Upper  
284 100  
142 45.6 16.7 25.1#  
249 32.4 21.3 31.9#

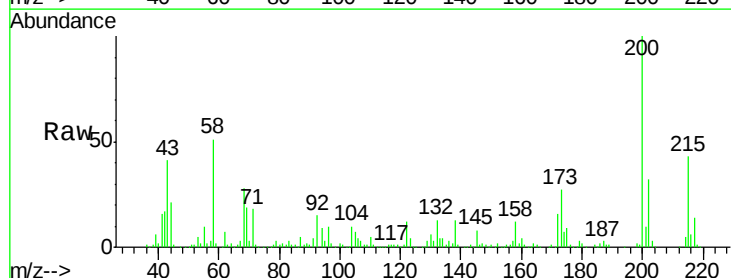


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

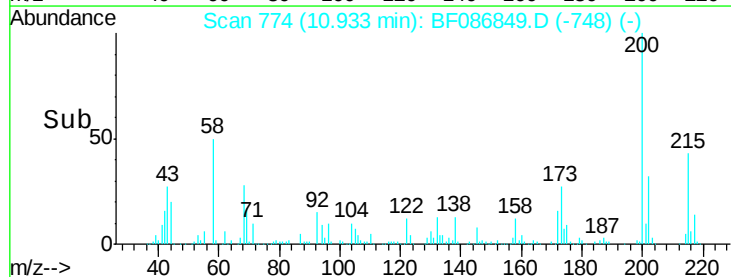
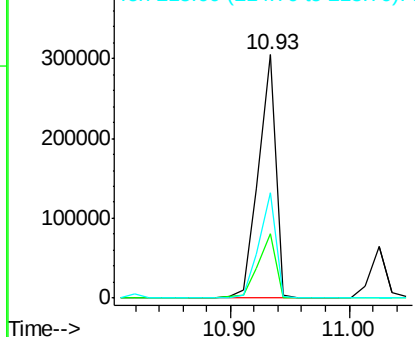


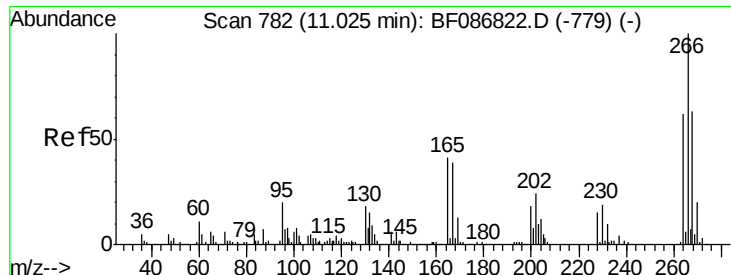
#68  
Atrazine  
Concen: 56.02 ng  
RT: 10.93 min Scan# 774  
Delta R.T. 0.00 min  
Lab File: BF086849.D  
Acq: 10 May 2016 4:45

Tgt Ion:200 Resp: 314919  
Ion Ratio Lower Upper  
200 100  
173 26.6 8.5 48.5  
215 43.3 27.2 67.2



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

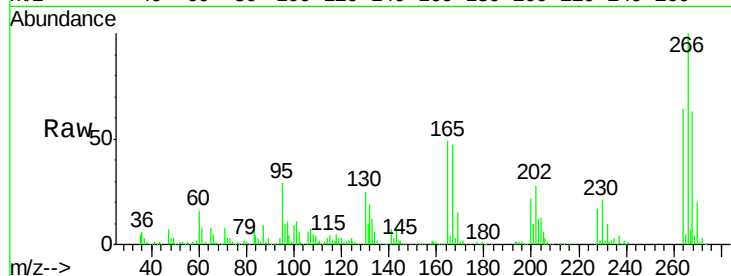




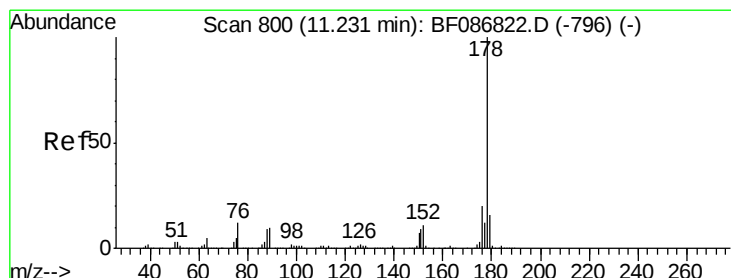
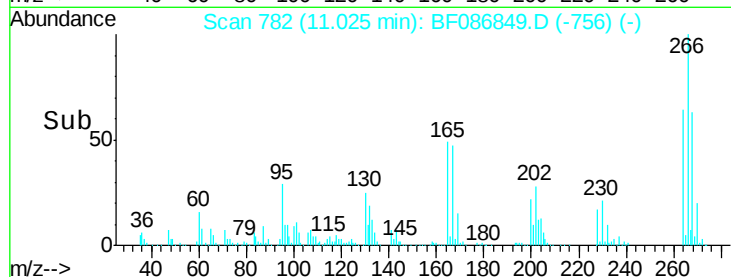
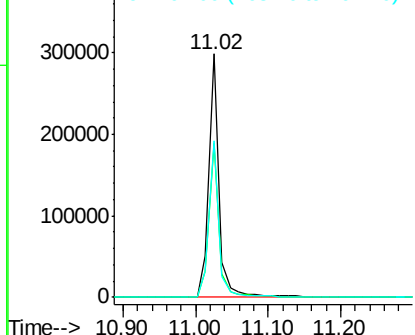
#69  
 Pentachlorophenol  
 Concen: 99.17 ng  
 RT: 11.02 min Scan# 782  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion: 266 Resp: 297486  
 Ion Ratio Lower Upper  
 266 100  
 268 63.5 51.5 77.3  
 264 64.2 52.9 79.3

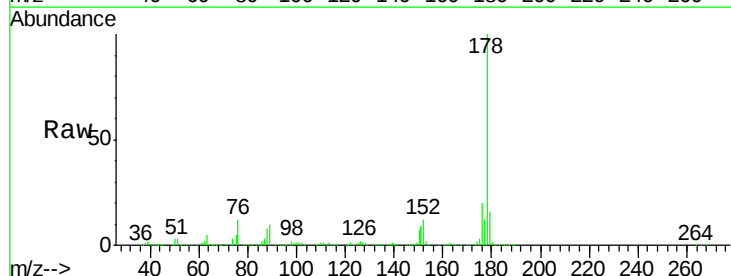


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

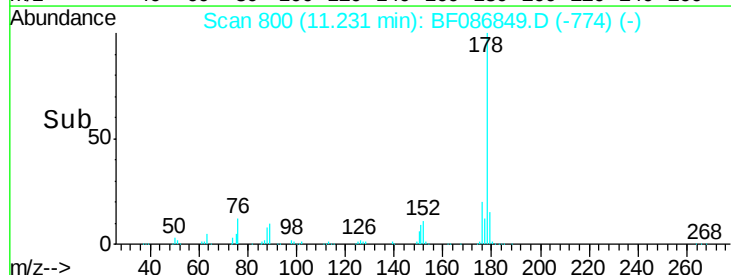
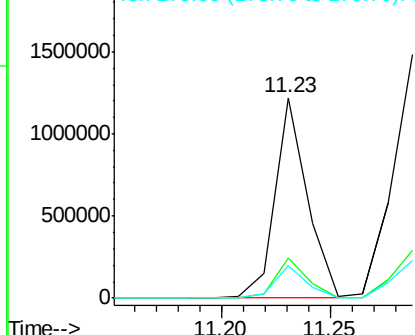


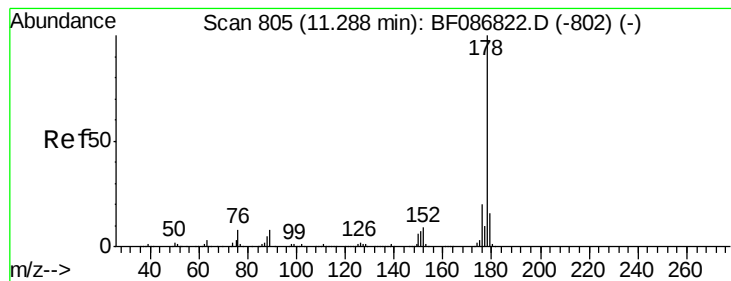
#70  
 Phenanthrene  
 Concen: 43.16 ng  
 RT: 11.23 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion: 178 Resp: 1261686  
 Ion Ratio Lower Upper  
 178 100  
 176 20.2 16.0 24.0  
 179 16.0 12.6 18.8



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: 49.47 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

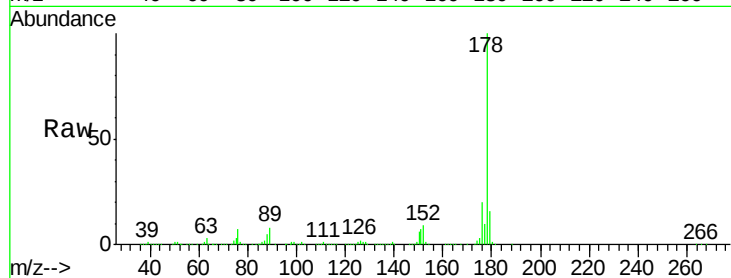
Tgt Ion:178 Resp: 1479082

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

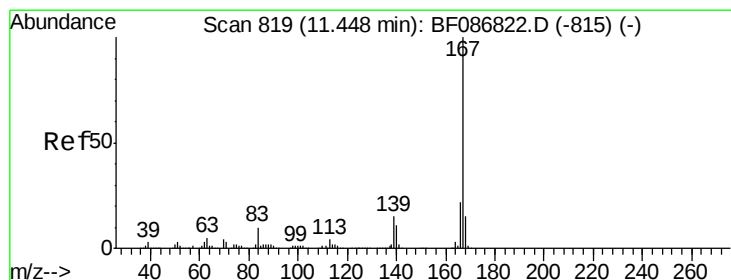
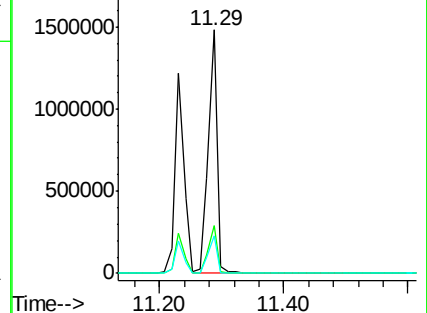
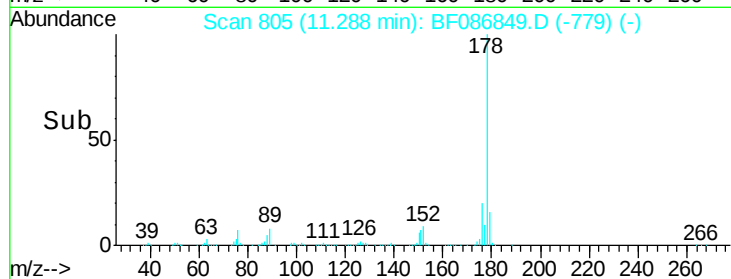
179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 48.48 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

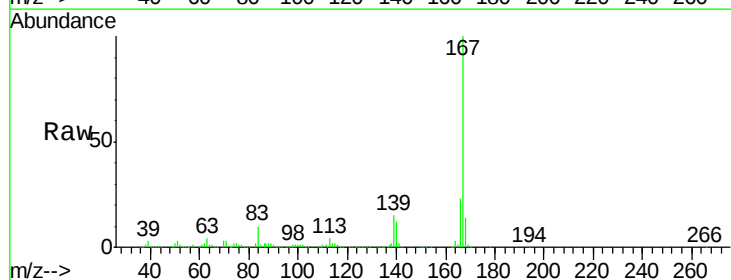
Tgt Ion:167 Resp: 1245933

Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

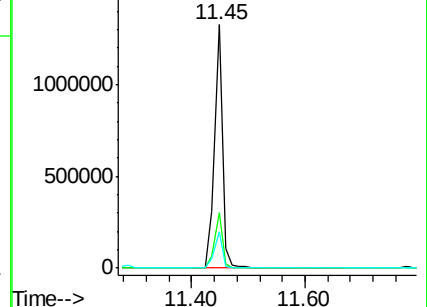
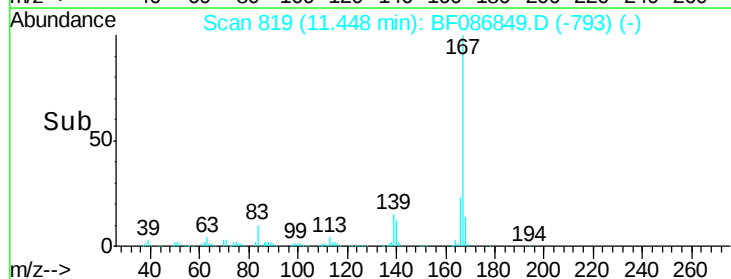
139 14.9 10.8 16.2

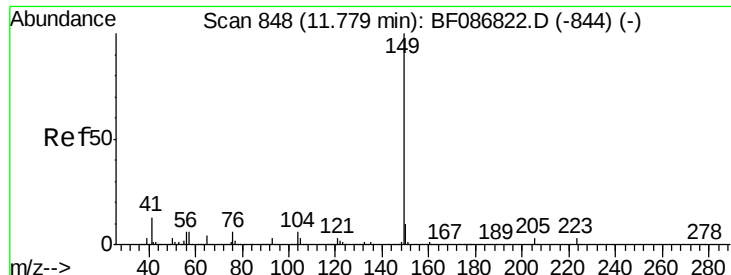


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.63 ng

RT: 11.78 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

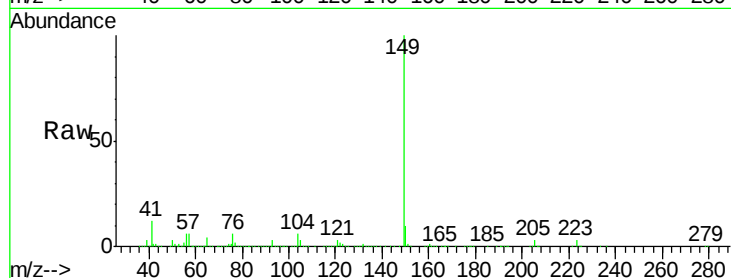
Tgt Ion:149 Resp: 1557755

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

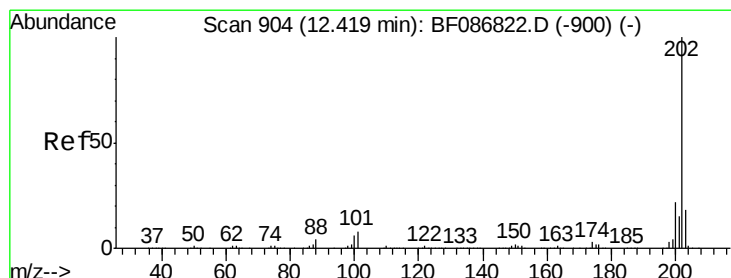
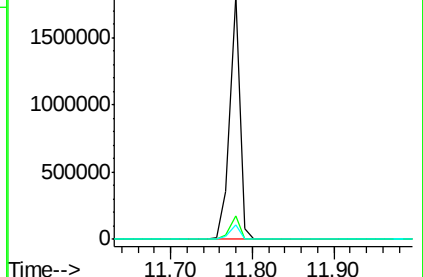
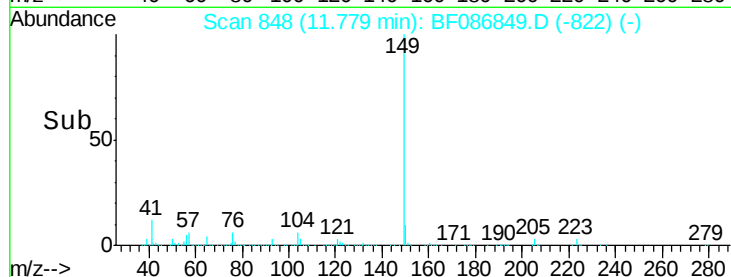
104 6.0 3.8 5.6#



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: 40.68 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

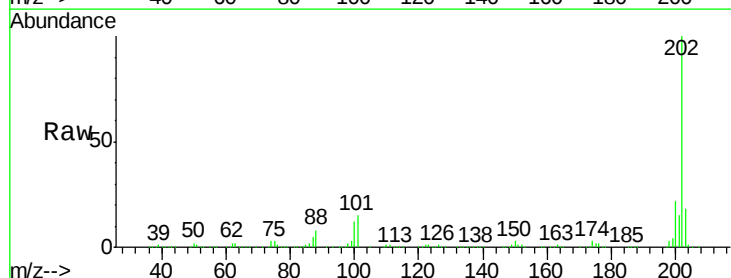
Tgt Ion:202 Resp: 1223168

Ion Ratio Lower Upper

202 100

101 15.4 0.0 35.4

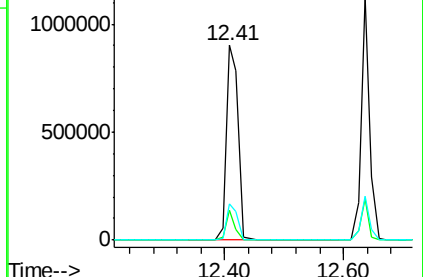
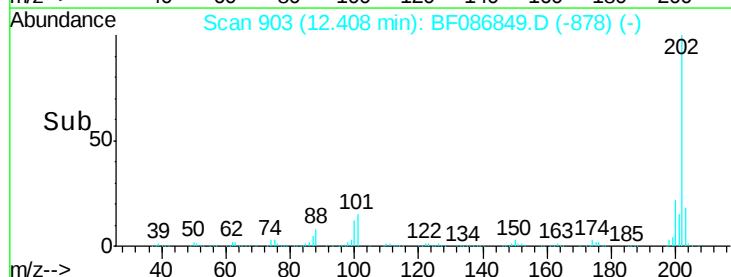
203 18.3 0.0 38.1

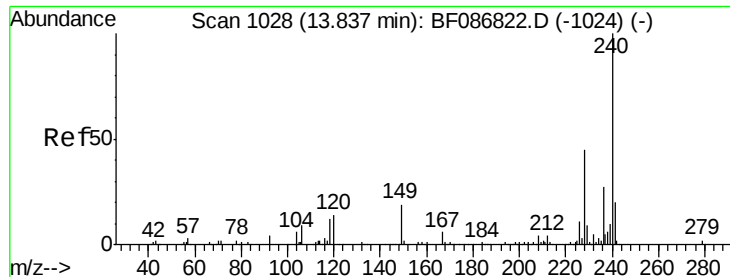


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

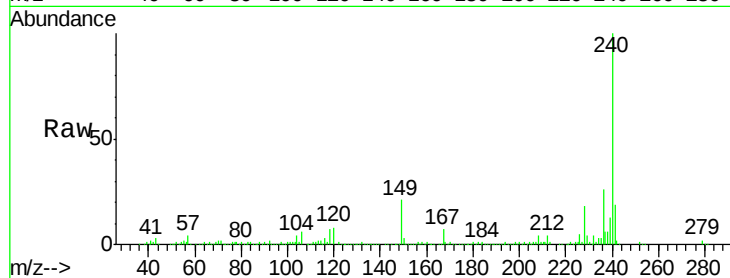
Tgt Ion:240 Resp: 297786

Ion Ratio Lower Upper

240 100

120 8.3 11.2 16.8#

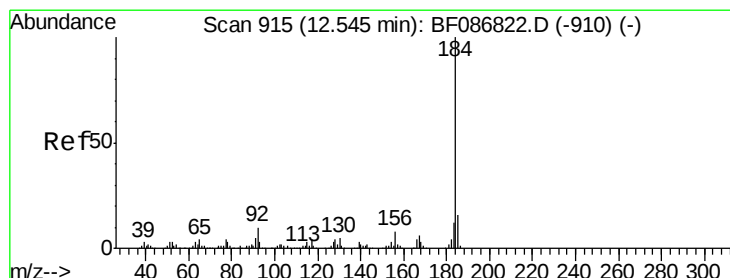
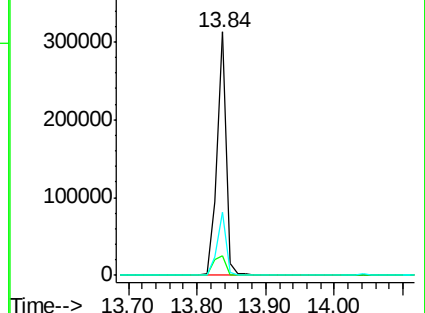
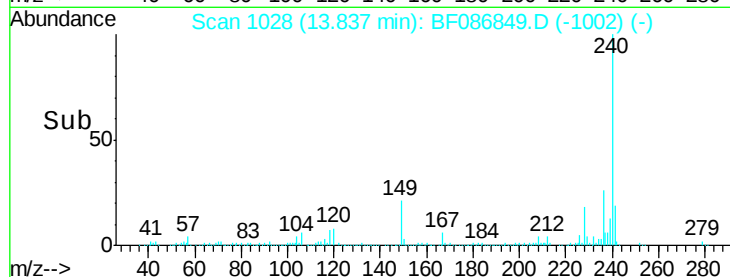
236 26.1 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 11.53 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

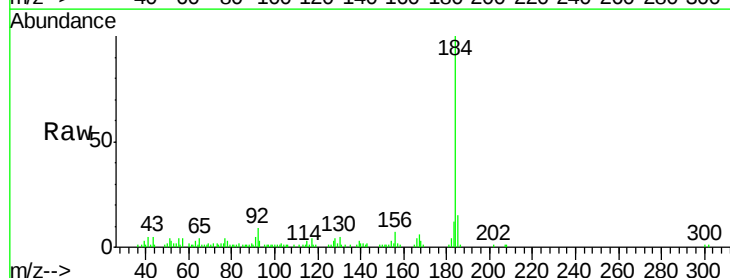
Tgt Ion:184 Resp: 87565

Ion Ratio Lower Upper

184 100

185 15.3 13.6 20.4

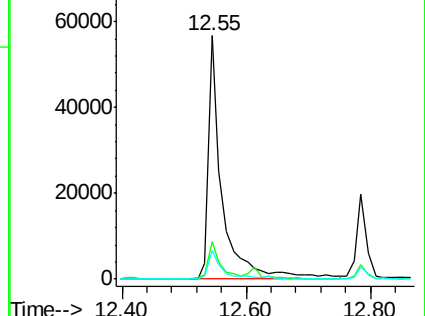
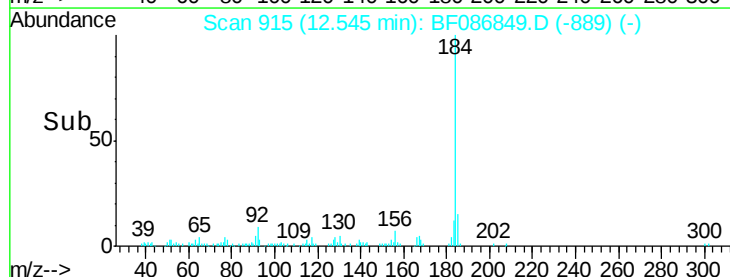
183 11.7 9.8 14.6

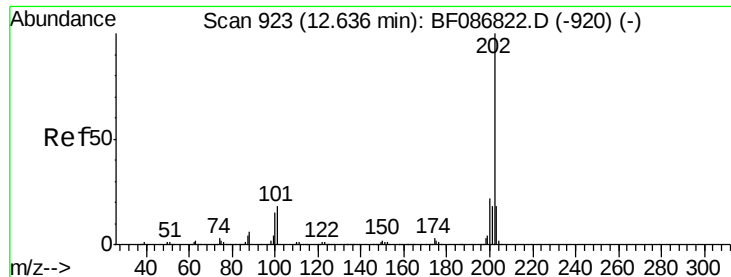


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 48.56 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

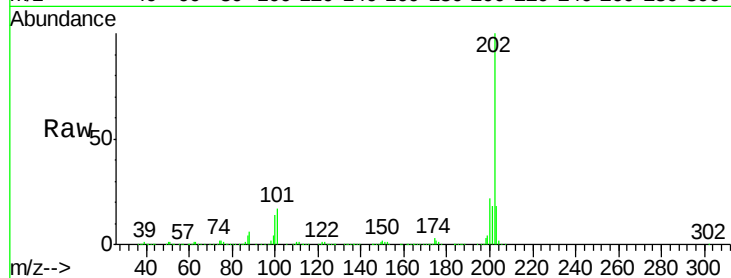
Tgt Ion:202 Resp: 1107119

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

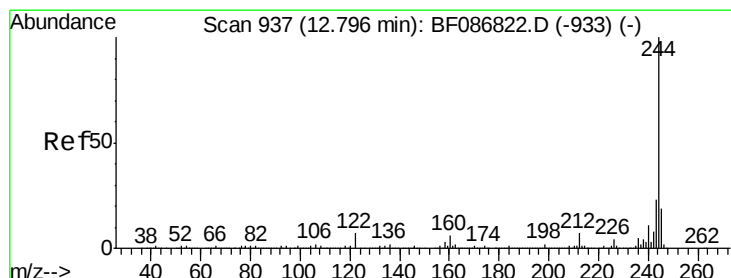
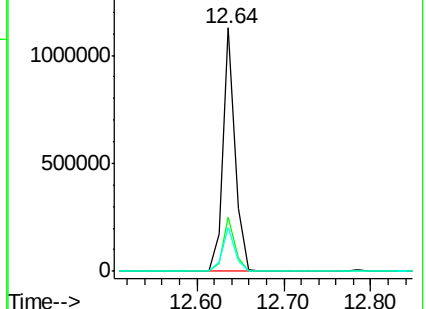
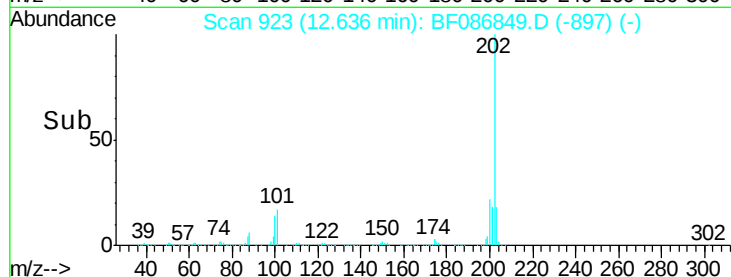
203 17.9 14.2 21.4



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: 94.14 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

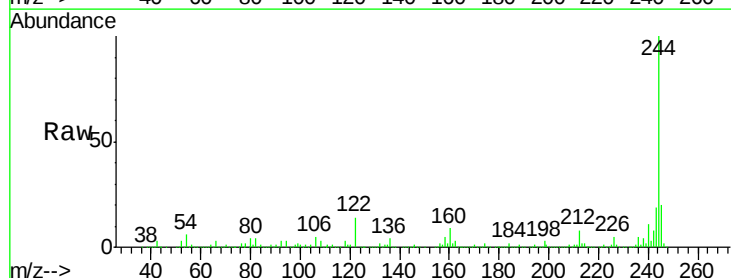
Tgt Ion:244 Resp: 1321338

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

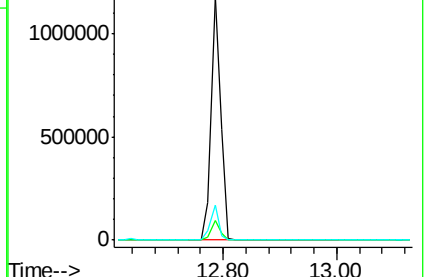
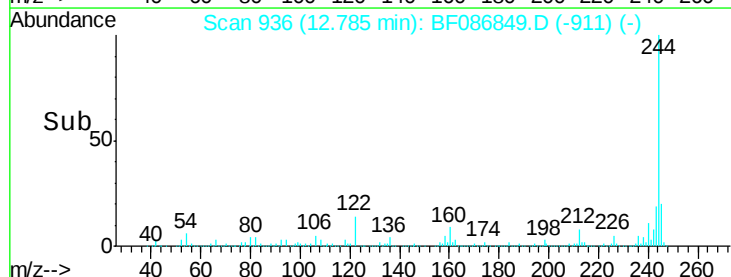
122 14.4 12.0 18.0

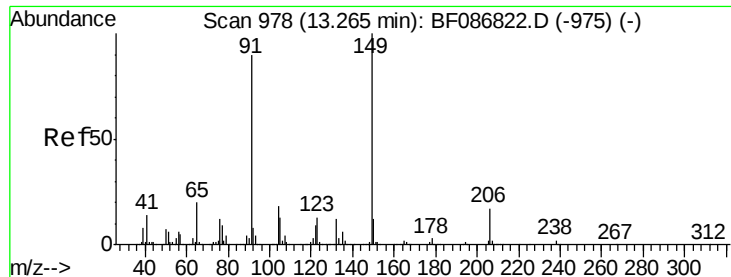


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 56.22 ng

RT: 13.27 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

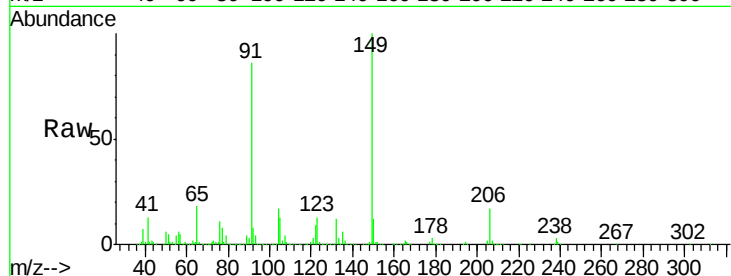
Tgt Ion:149 Resp: 542148

Ion Ratio Lower Upper

149 100

91 85.7 48.0 72.0#

206 17.3 15.8 23.6



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

800000

600000

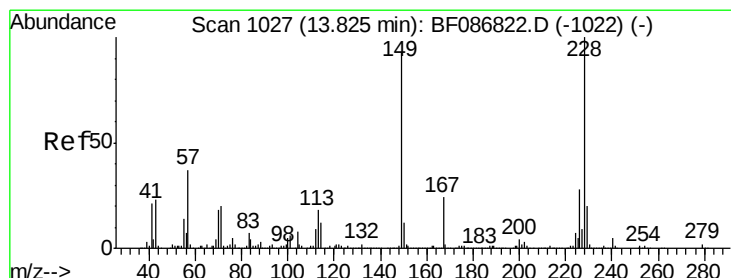
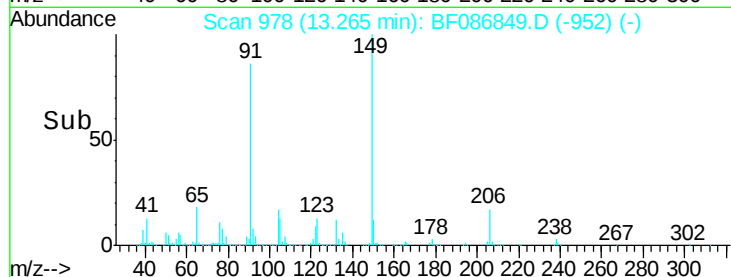
400000

200000

0

13.20 13.25 13.30 13.35

Time-->



#80

Benzo(a)anthracene

Concen: 47.38 ng

RT: 13.83 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

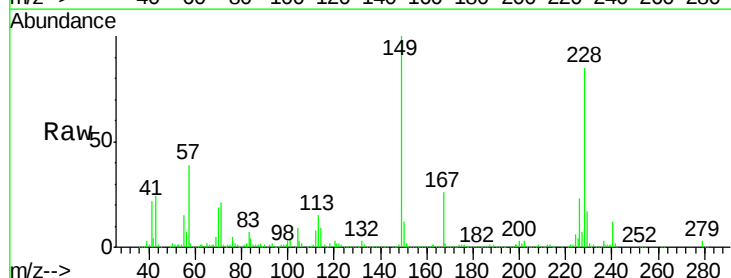
Tgt Ion:228 Resp: 792116

Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

229 20.0 16.6 25.0



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

1200000

1000000

800000

600000

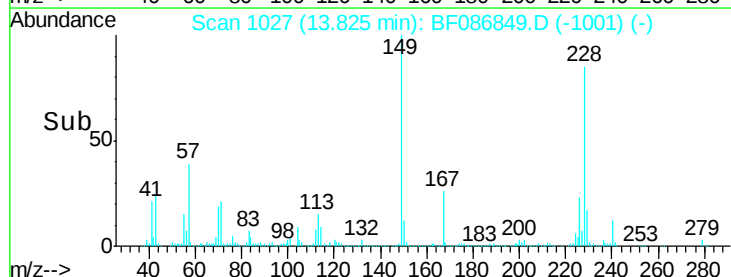
400000

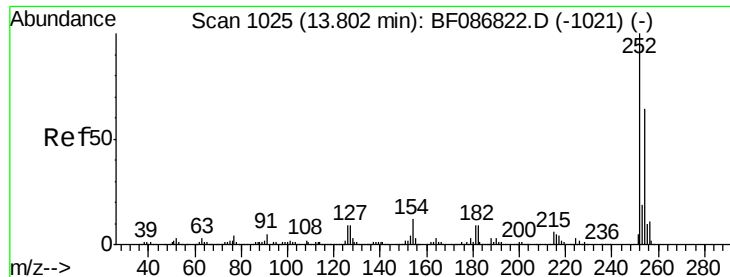
200000

0

13.75 13.80 13.85

Time-->





#81

3,3'-Dichlorobenzidine

Concen: 18.63 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB09(0.5-6.0)M

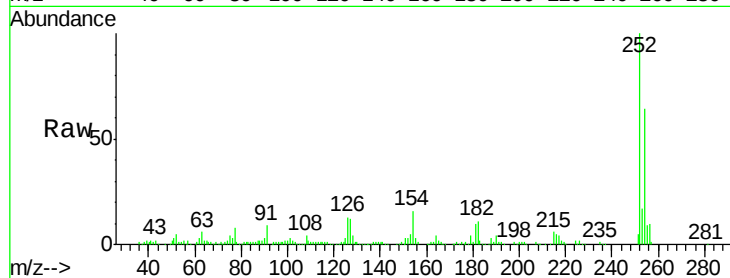
Tgt Ion:252 Resp: 197840

Ion Ratio Lower Upper

252 100

254 64.1 50.7 76.1

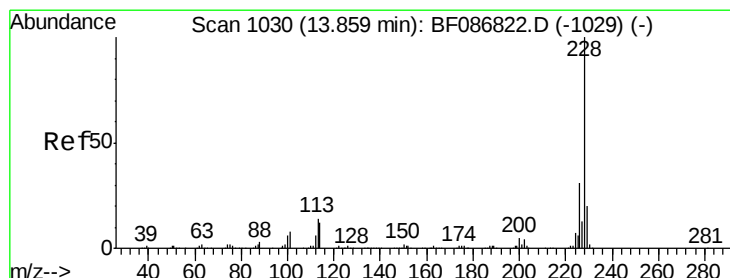
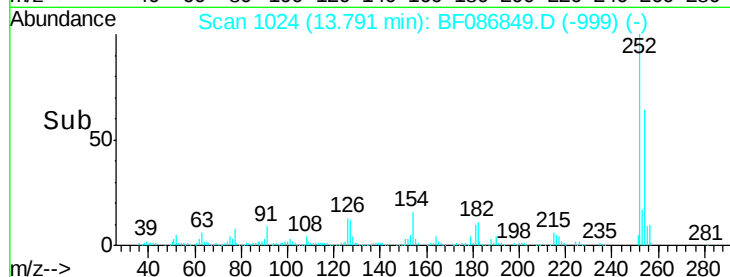
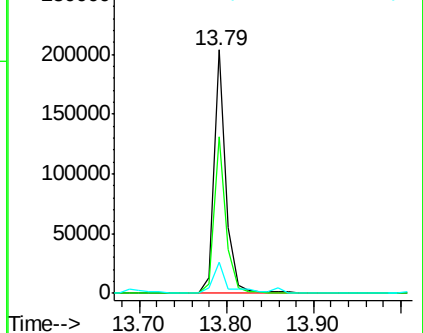
126 12.8 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 48.41 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF086849.D

Acq: 10 May 2016 4:45

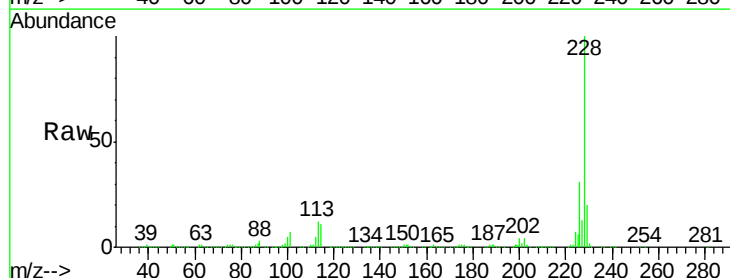
Tgt Ion:228 Resp: 823238

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

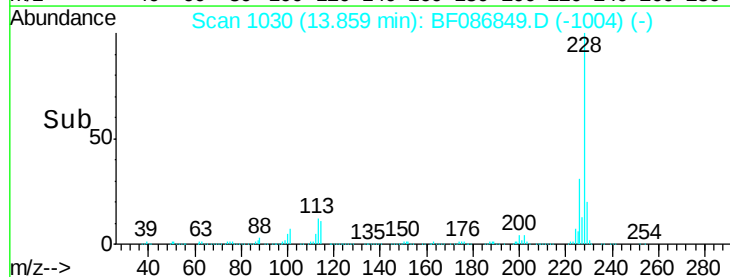
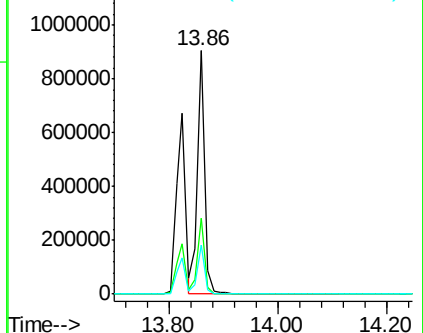
229 20.2 15.8 23.8

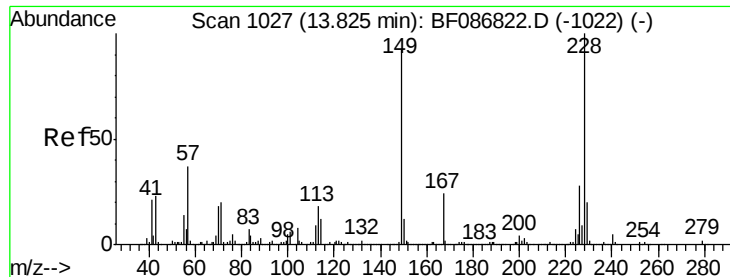


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

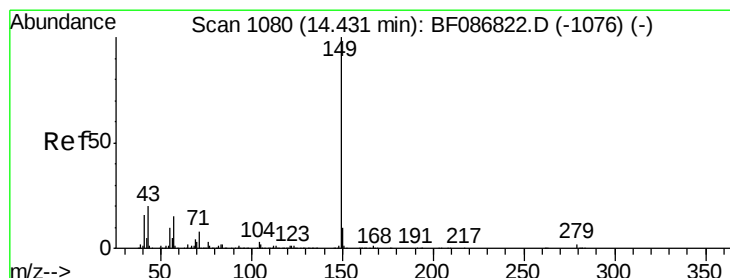
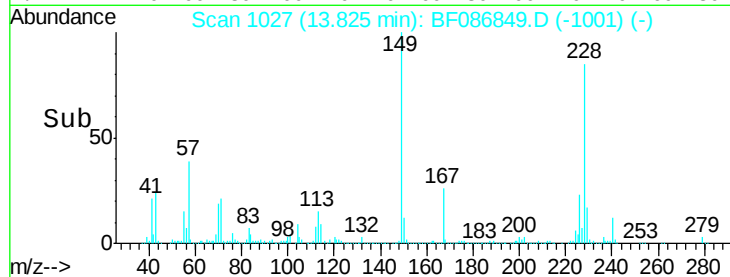
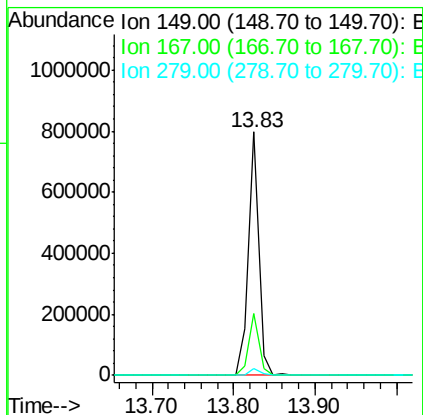
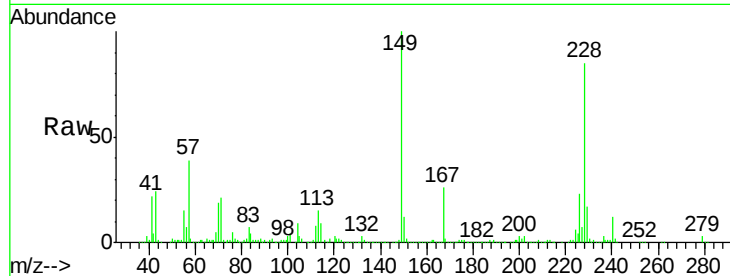




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 60.57 ng  
 RT: 13.83 min Scan# 1027  
 Delta R.T. 0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB09(0.5-6.0)M

Tgt Ion:149 Resp: 702546  
 Ion Ratio Lower Upper  
 149 100  
 167 25.6 21.8 32.6  
 279 2.7 2.6 4.0



#84  
 Di-n-octyl phthalate  
 Concen: 55.43 ng  
 RT: 14.43 min Scan# 1080  
 Delta R.T. -0.00 min  
 Lab File: BF086849.D  
 Acq: 10 May 2016 4:45

Tgt Ion:149 Resp: 1064980  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.2 1.8  
 43 17.7 8.2 12.4#

