

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040416\  
 Data File : BF086060.D  
 Acq On : 5 Apr 2016 3:16  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Apr 05 04:16:03 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 120856   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.05  | 136  | 461943   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.80  | 164  | 180032   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.29 | 188  | 281352   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.93 | 240  | 216315   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.32 | 264  | 166866   | 20.00 | ng    | -0.01    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.36  | 112 | 577127 | 81.62 | ng | -0.01 |
| 7) Phenol-d6                | 6.42  | 99  | 716863 | 79.82 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.33  | 82  | 627636 | 80.12 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330 | 103246 | 61.10 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.13  | 172 | 904170 | 83.50 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.87 | 244 | 713496 | 77.53 | ng | -0.01 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.27 | 88  | 143720 | 42.87  | ng | 99   |
| 3) Pyridine                    | 2.98 | 79  | 355113 | 47.32  | ng | 99   |
| 4) n-Nitrosodimethylamine      | 2.93 | 42  | 144546 | 43.80  | ng | 97   |
| 6) Aniline                     | 6.43 | 93  | 454554 | 38.58  | ng | # 49 |
| 8) 2-Chlorophenol              | 6.56 | 128 | 326514 | 38.72  | ng | 95   |
| 9) Benzaldehyde                | 6.32 | 77  | 199121 | 41.20  | ng | 91   |
| 10) Phenol                     | 6.43 | 94  | 423746 | 41.36  | ng | # 71 |
| 11) bis(2-Chloroethyl)ether    | 6.51 | 93  | 319482 | 39.38  | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146 | 354163 | 39.63  | ng | # 95 |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146 | 368489 | 40.02  | ng | 94   |
| 14) 1,2-Dichlorobenzene        | 6.93 | 146 | 318132 | 37.54  | ng | 96   |
| 15) Benzyl Alcohol             | 6.92 | 79  | 214072 | 36.84  | ng | 93   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45  | 373100 | 37.65  | ng | 77   |
| 17) 2-Methylphenol             | 7.04 | 107 | 251199 | 37.78  | ng | 95   |
| 18) Hexachloroethane           | 7.28 | 117 | 84646  | 25.00  | ng | 98   |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70  | 195227 | 35.07  | ng | # 91 |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 319655 | 39.53  | ng | # 61 |
| 22) Acetophenone               | 7.18 | 105 | 451493 | 41.58  | ng | # 91 |
| 24) Nitrobenzene               | 7.36 | 77  | 343892 | 40.13  | ng | 98   |
| 25) Isophorone                 | 7.60 | 82  | 604943 | 39.12  | ng | 97   |
| 26) 2-Nitrophenol              | 7.68 | 139 | 114440 | 27.91  | ng | 94   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 298420 | 40.52  | ng | 95   |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93  | 351196 | 38.71  | ng | 99   |
| 29) 2,4-Dichlorophenol         | 7.92 | 162 | 229657 | 36.89  | ng | 95   |
| 30) 1,2,4-Trichlorobenzene     | 8.00 | 180 | 263356 | 37.68  | ng | 97   |
| 31) Naphthalene                | 8.08 | 128 | 896529 | 38.58  | ng | 99   |
| 32) Benzoic acid               | 7.84 | 122 | 113862 | 21.08  | ng | 98   |
| 33) 4-Chloroaniline            | 8.13 | 127 | 362500 | 38.62  | ng | 99   |
| 34) Hexachlorobutadiene        | 8.19 | 225 | 146351 | 38.95  | ng | 99   |
| 35) Caprolactam                | 8.51 | 113 | 77779  | 39.38  | ng | 90   |
| 36) 4-Chloro-3-methylphenol    | 8.62 | 107 | 244536 | 34.94  | ng | 90   |
| 37) 2-Methylnaphthalene        | 8.76 | 142 | 493301 | 32.50  | ng | 98   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 239475 | 44.26  | ng | 99   |
| 40) Hexachlorocyclopentadiene  | 8.91 | 237 | 492    | 5.72   | ng | 85   |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

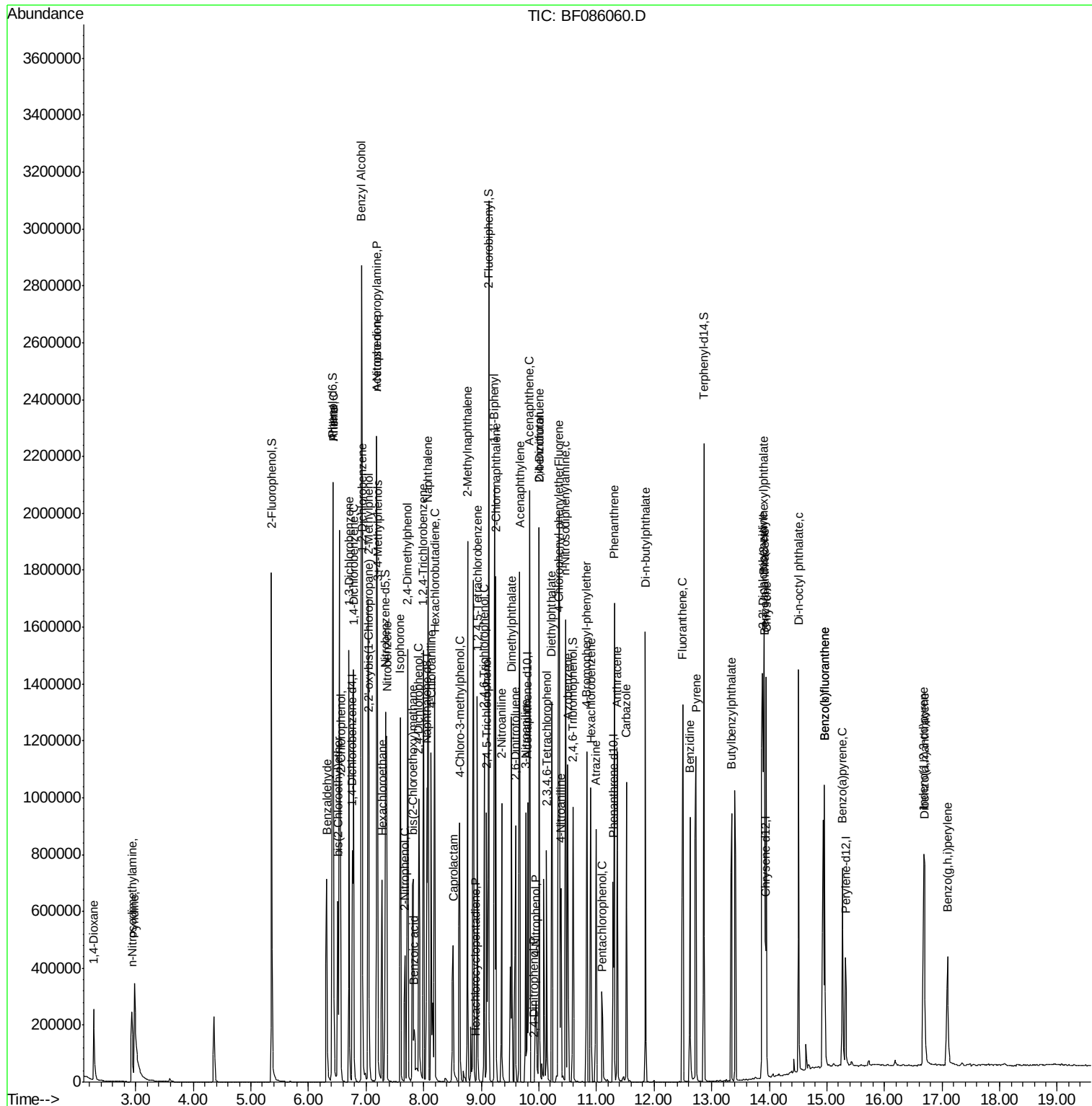
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

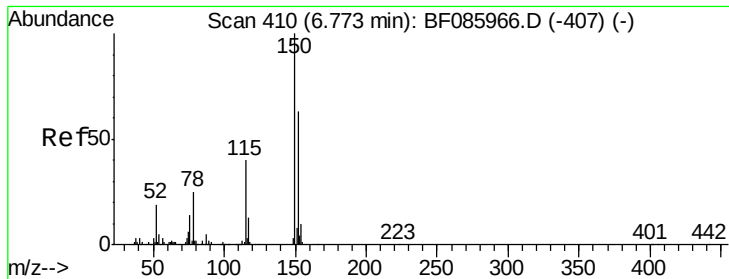
Quant Time: Apr 05 04:16:03 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.05  | 196  | 144818   | 41.68 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.09  | 196  | 147747   | 41.88 | ng    | # 89     |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 667135   | 42.98 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.25  | 162  | 466432   | 41.45 | ng    | 94       |
| 47) 2-Nitroaniline             | 9.36  | 65   | 152944   | 46.45 | ng    | 99       |
| 48) Acenaphthylene             | 9.66  | 152  | 715757   | 39.71 | ng    | 100      |
| 49) Dimethylphthalate          | 9.53  | 163  | 546116   | 40.93 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 97585    | 34.57 | ng    | 93       |
| 51) Acenaphthene               | 9.84  | 154  | 409583   | 38.21 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.77  | 138  | 138512   | 40.71 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 469      | 2.39  | ng    | # 9      |
| 54) Dibenzofuran               | 10.01 | 168  | 517351   | 36.54 | ng    | 97       |
| 55) 4-Nitrophenol              | 9.95  | 139  | 61631    | 30.72 | ng    | 95       |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 103827   | 29.10 | ng    | # 63     |
| 57) Fluorene                   | 10.35 | 166  | 441639   | 36.52 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.13 | 232  | 91492    | 34.83 | ng    | 98       |
| 59) Diethylphthalate           | 10.22 | 149  | 510870   | 37.93 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204  | 205023   | 36.39 | ng    | 92       |
| 61) 4-Nitroaniline             | 10.38 | 138  | 150733   | 44.98 | ng    | 99       |
| 62) Azobenzene                 | 10.50 | 77   | 471924   | 36.58 | ng    | 96       |
| 65) n-Nitrosodiphenylamine     | 10.46 | 169  | 403492   | 45.86 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.83 | 248  | 123650   | 43.05 | ng    | 95       |
| 67) Hexachlorobenzene          | 10.90 | 284  | 118422   | 39.87 | ng    | # 81     |
| 68) Atrazine                   | 10.99 | 200  | 88792    | 31.23 | ng    | 97       |
| 69) Pentachlorophenol          | 11.10 | 266  | 50784    | 36.48 | ng    | 98       |
| 70) Phenanthrene               | 11.31 | 178  | 613928   | 40.00 | ng    | 100      |
| 71) Anthracene                 | 11.36 | 178  | 600837   | 37.37 | ng    | 100      |
| 72) Carbazole                  | 11.52 | 167  | 516259   | 37.35 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.85 | 149  | 752396   | 43.93 | ng    | 100      |
| 74) Fluoranthene               | 12.50 | 202  | 614683   | 38.50 | ng    | 91       |
| 76) Benzidine                  | 12.63 | 184  | 359337   | 47.08 | ng    | 99       |
| 77) Pyrene                     | 12.73 | 202  | 619539   | 40.64 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.35 | 149  | 309016   | 45.02 | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.92 | 228  | 496582   | 38.94 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.88 | 252  | 421540   | 45.26 | ng    | # 96     |
| 82) Chrysene                   | 13.95 | 228  | 491551   | 40.02 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149  | 418466   | 45.94 | ng    | # 94     |
| 84) Di-n-octyl phthalate       | 14.51 | 149  | 710312   | 48.83 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.68 | 276  | 367434   | 36.87 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 14.96 | 252  | 795316   | 75.77 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 14.96 | 252  | 795316   | 85.56 | ng    | # 98     |
| 89) Benzo(a)pyrene             | 15.27 | 252  | 362204   | 38.94 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.69 | 278  | 313933   | 41.95 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.09 | 276  | 291383   | 40.24 | ng    | 97       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

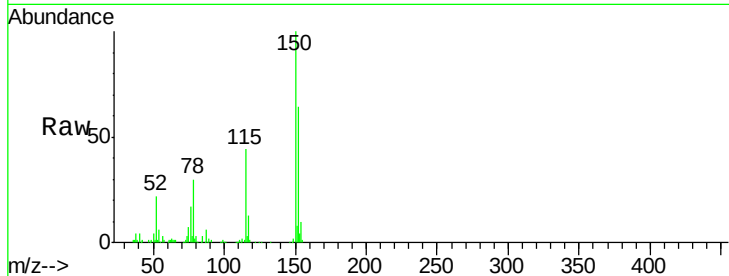
Tgt Ion:152 Resp: 120856

Ion Ratio Lower Upper

152 100

150 156.2 124.2 186.2

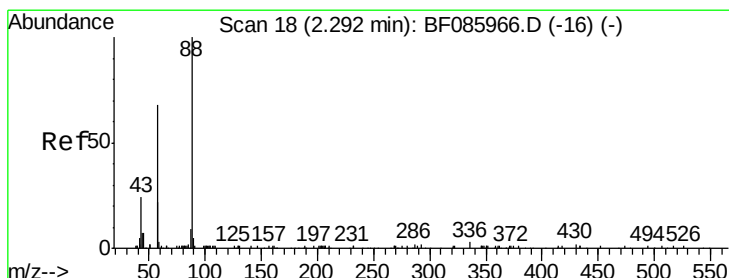
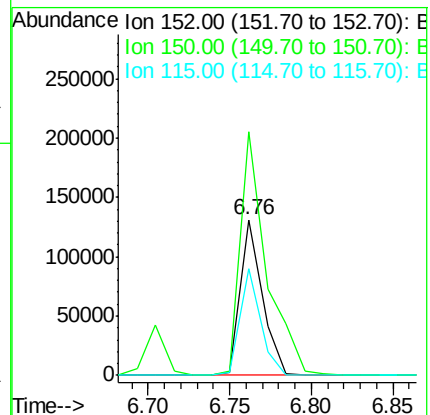
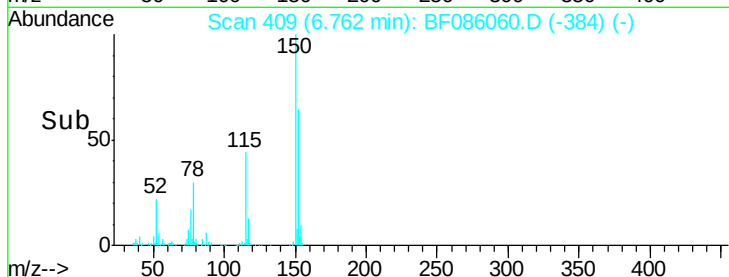
115 68.2 47.0 70.6



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: 42.87 ng

RT: 2.27 min Scan# 16

Delta R.T. -0.02 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

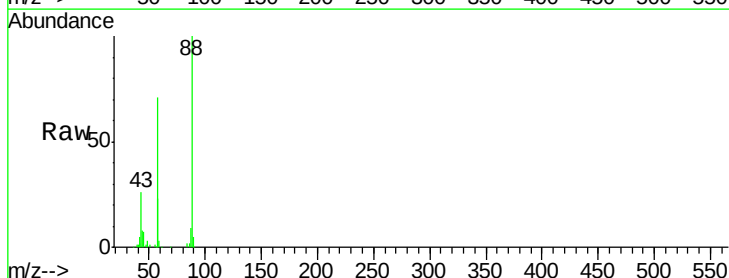
Tgt Ion: 88 Resp: 143720

Ion Ratio Lower Upper

88 100

58 66.5 54.2 81.2

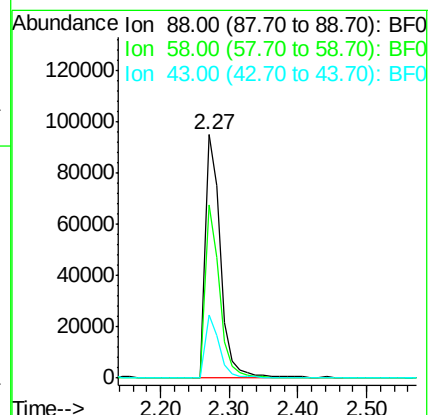
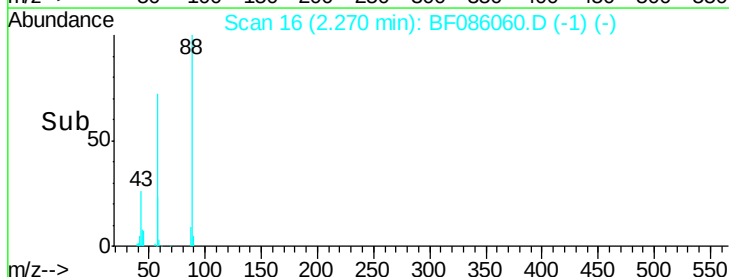
43 24.4 19.3 28.9

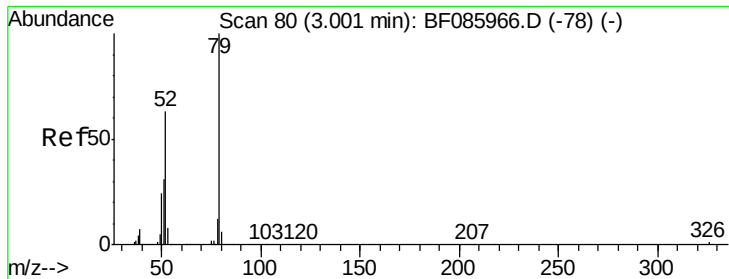


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 47.32 ng

RT: 2.98 min Scan# 78

Delta R.T. -0.02 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

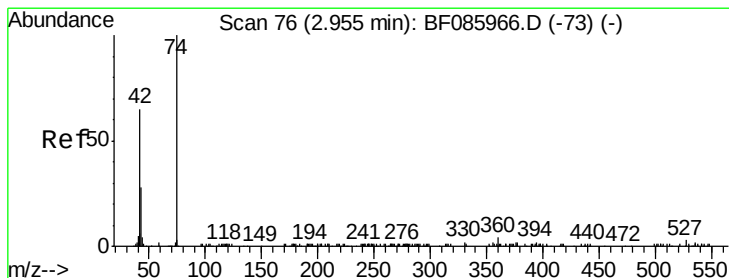
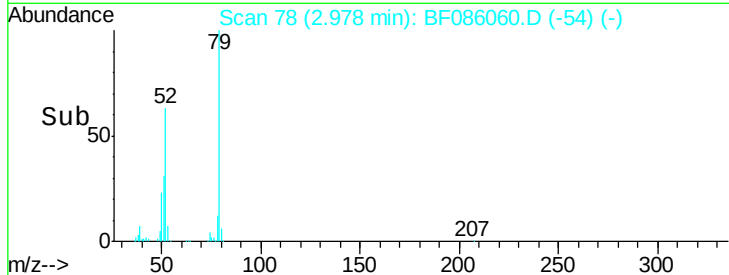
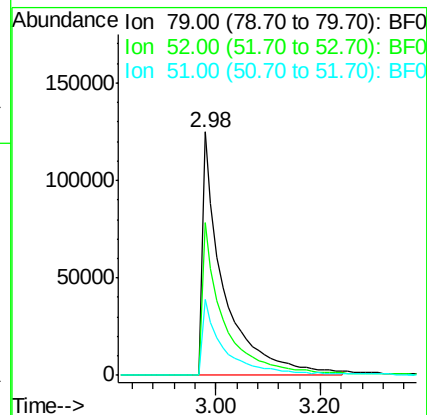
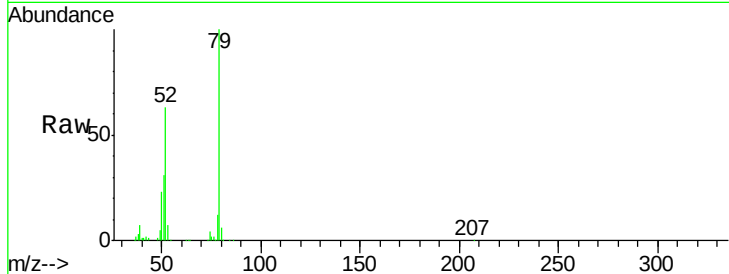
Tgt Ion: 79 Resp: 355113

Ion Ratio Lower Upper

79 100

52 62.6 49.8 74.6

51 31.2 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 43.80 ng

RT: 2.93 min Scan# 74

Delta R.T. -0.02 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

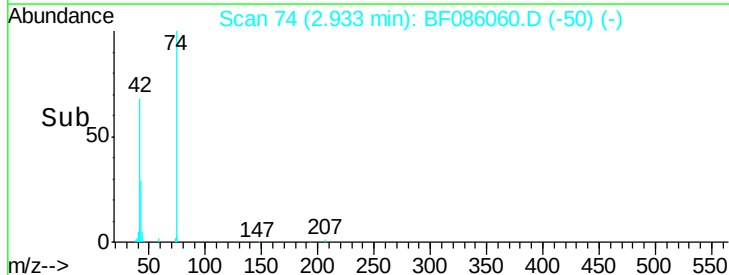
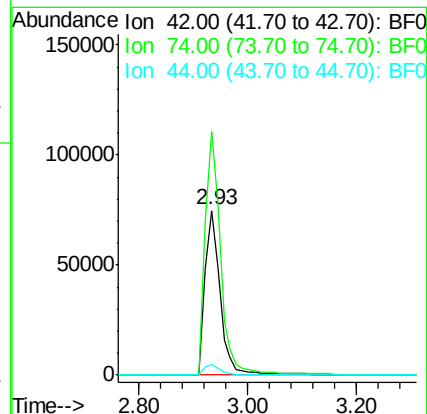
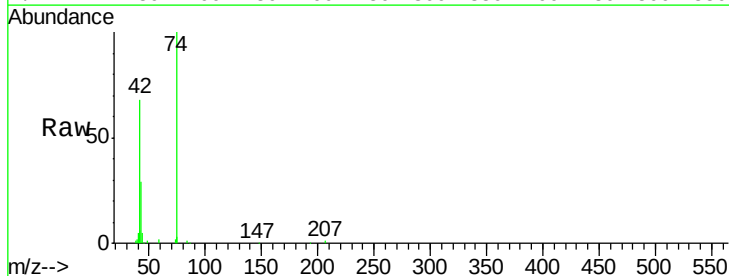
Tgt Ion: 42 Resp: 144546

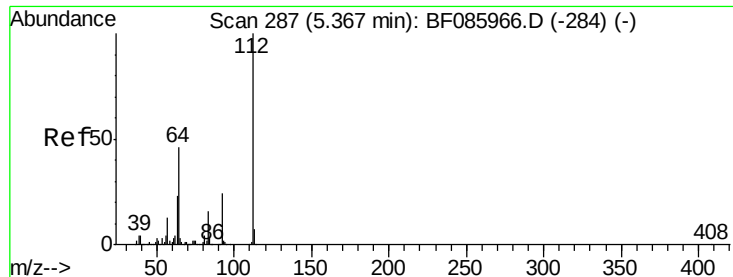
Ion Ratio Lower Upper

42 100

74 148.0 121.4 182.2

44 6.7 5.6 8.4





#5

2-Fluorophenol

Concen: 81.62 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

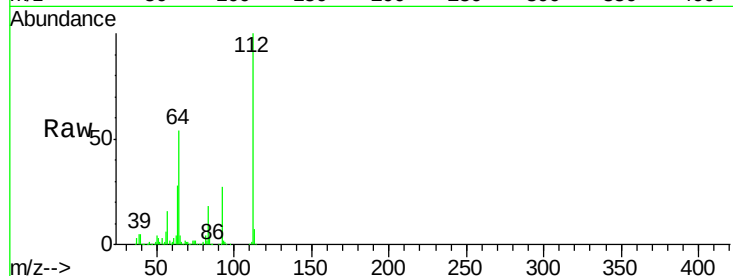
Tgt Ion: 112 Resp: 577127

Ion Ratio Lower Upper

112 100

64 54.5 39.9 59.9

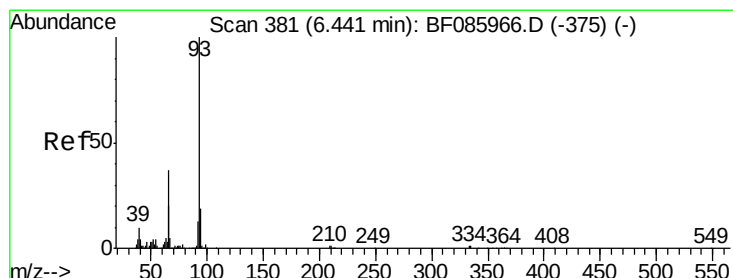
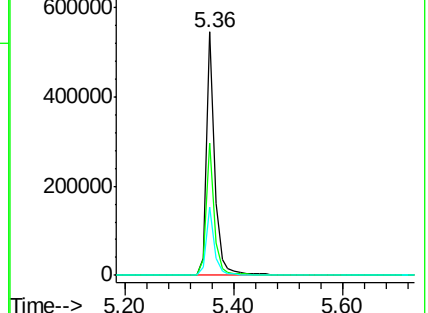
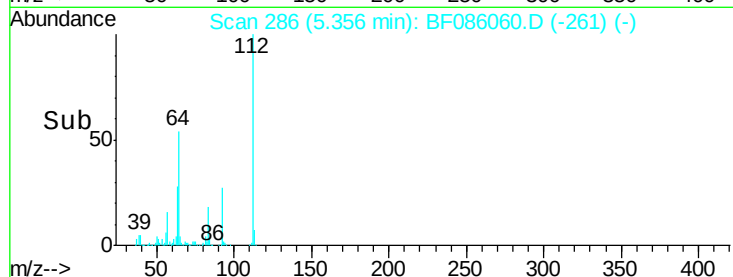
63 27.9 20.2 30.2



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: 38.58 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

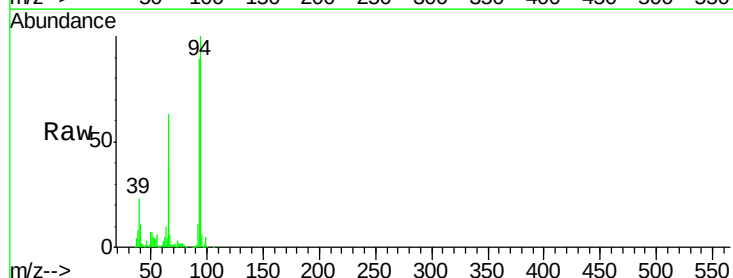
Tgt Ion: 93 Resp: 454554

Ion Ratio Lower Upper

93 100

66 70.6 31.4 47.2#

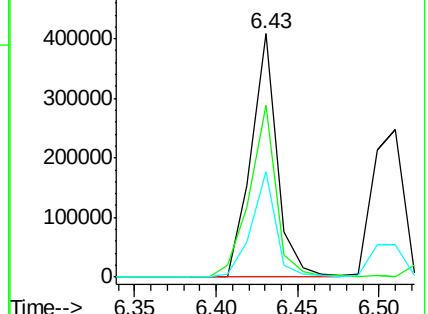
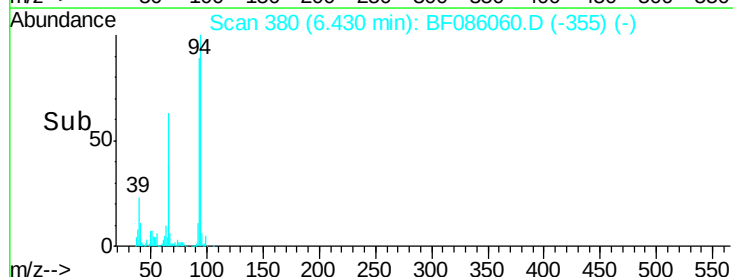
65 43.2 15.7 23.5#

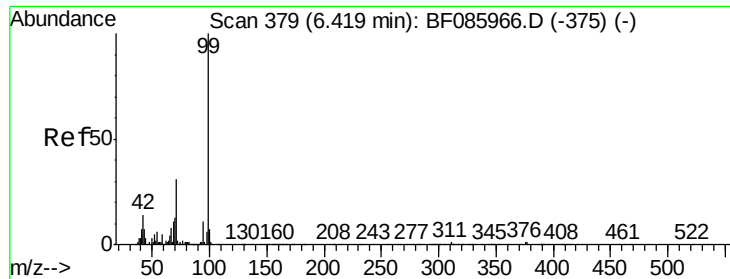


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 79.82 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086060.D

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ClientSampleId :

SSTDCCC040

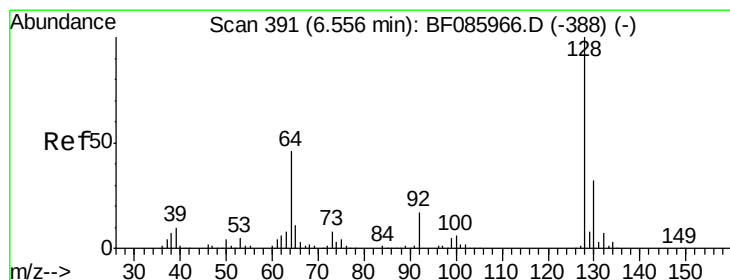
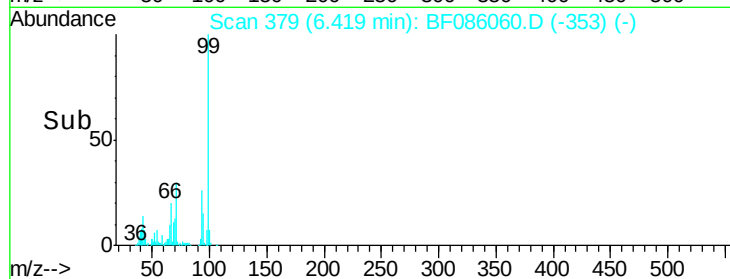
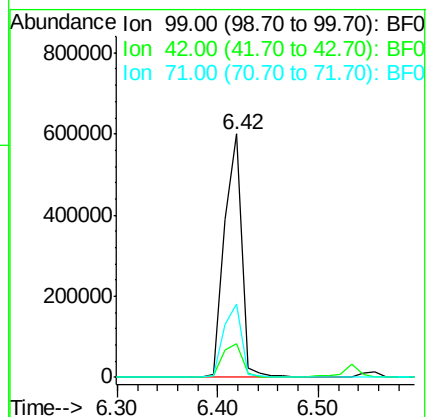
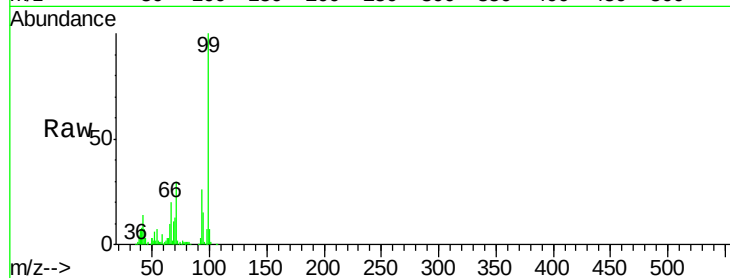
Tgt Ion: 99 Resp: 716863

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

71 30.3 24.9 37.3



#8

2-Chlorophenol

Concen: 38.72 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

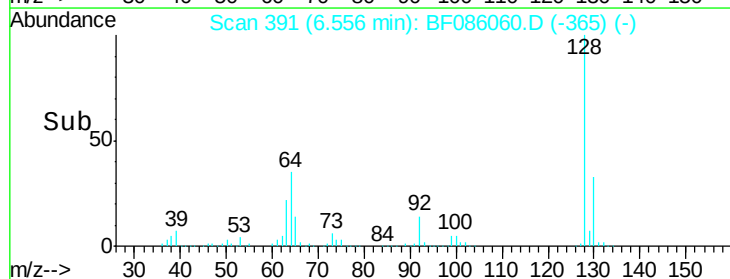
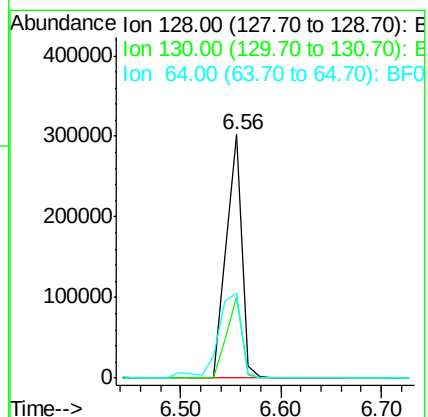
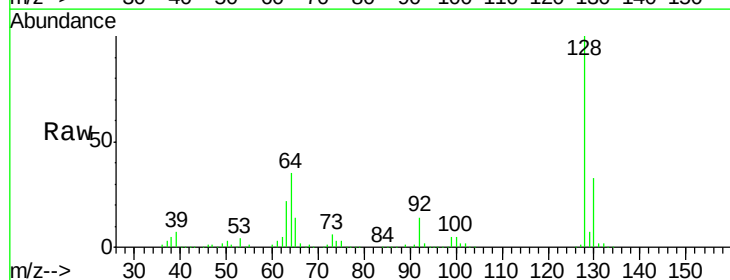
Tgt Ion: 128 Resp: 326514

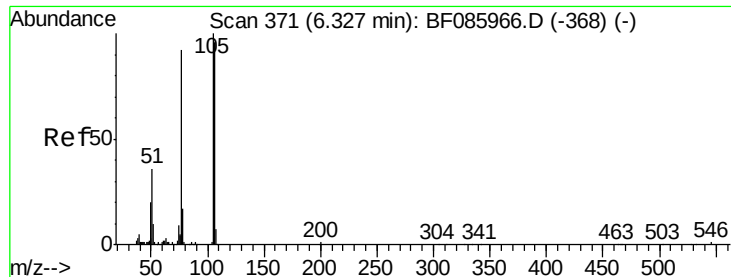
Ion Ratio Lower Upper

128 100

130 33.4 12.9 52.9

64 34.7 20.2 60.2





#9

Benzaldehyde

Concen: 41.20 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

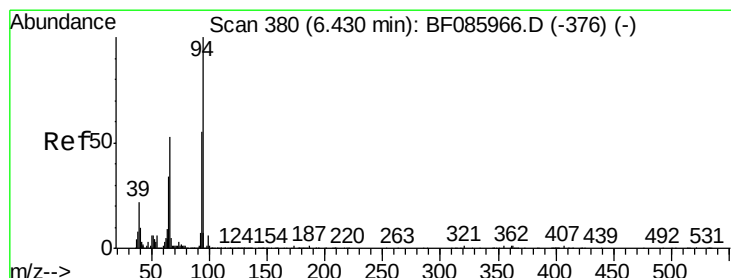
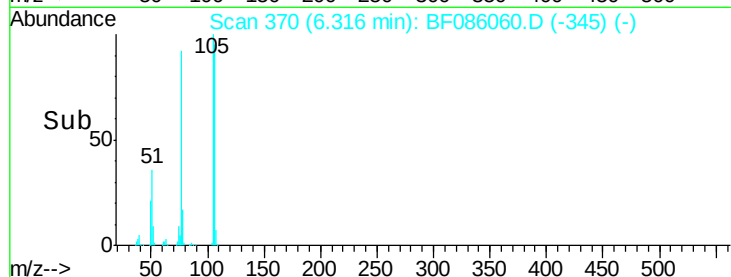
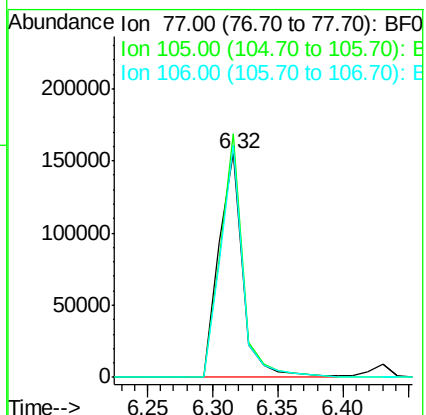
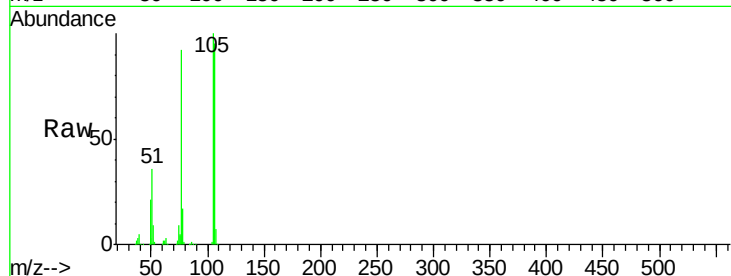
Tgt Ion: 77 Resp: 199121

Ion Ratio Lower Upper

77 100

105 108.7 80.1 120.1

106 103.5 75.0 115.0



#10

Phenol

Concen: 41.36 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

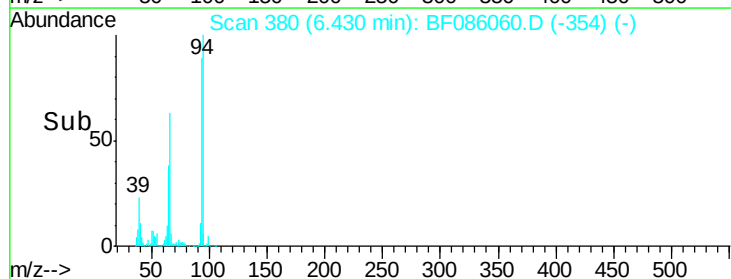
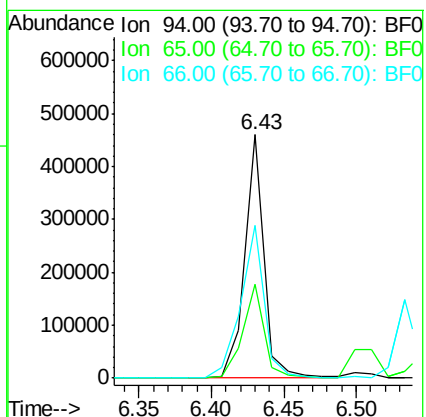
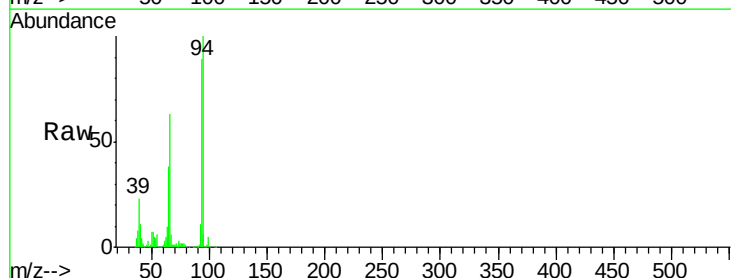
Tgt Ion: 94 Resp: 423746

Ion Ratio Lower Upper

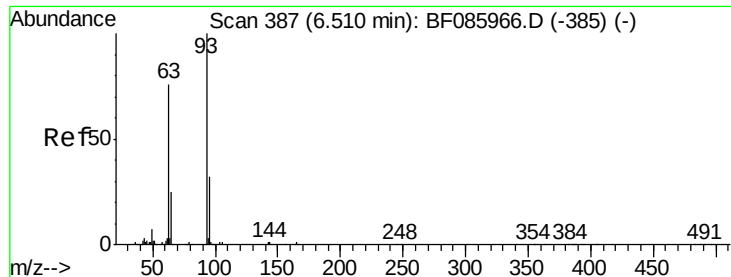
94 100

65 38.4 8.6 48.6

66 62.7 20.0 60.0#



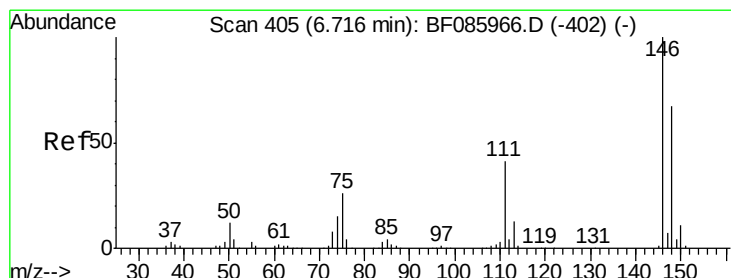
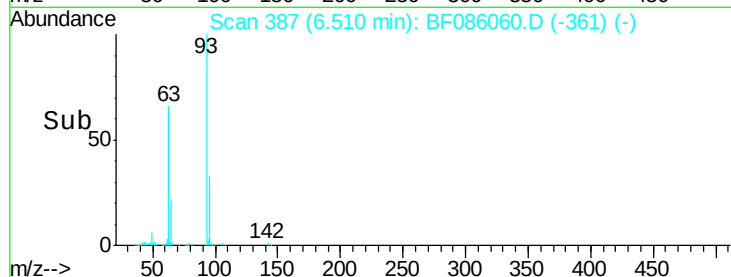
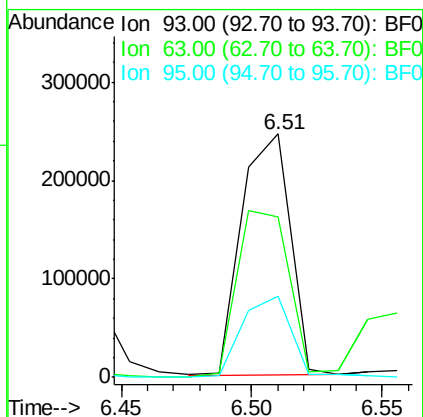
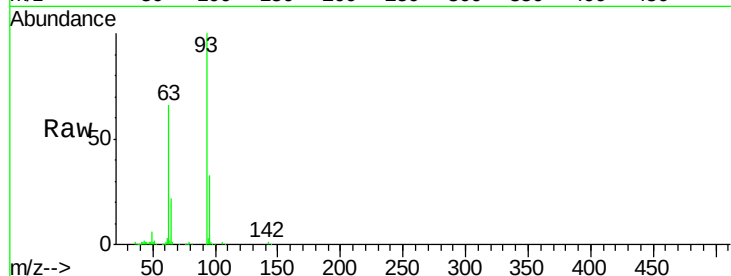




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.38 ng  
 RT: 6.51 min Scan# 387  
 Delta R.T. 0.00 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

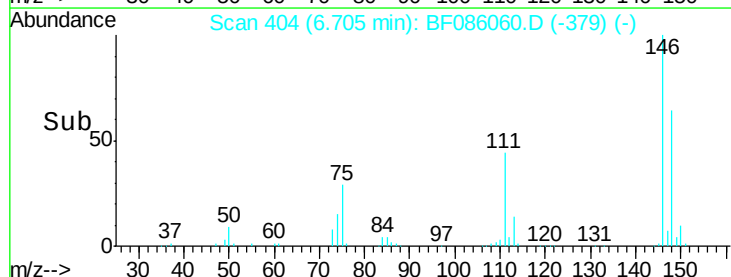
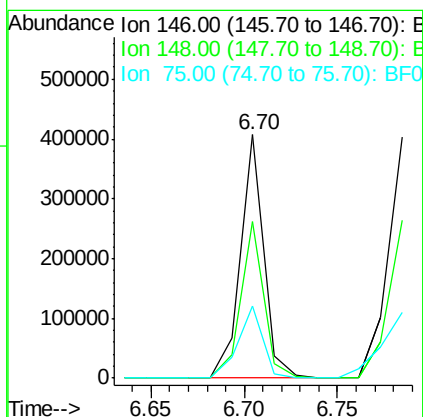
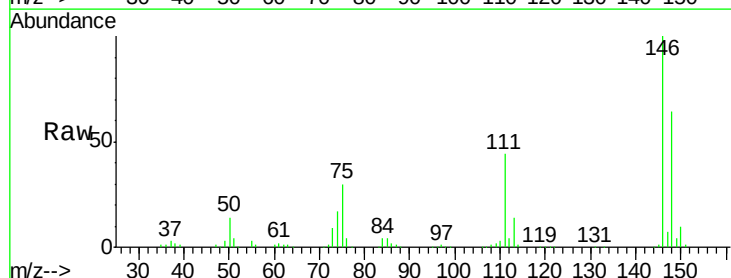
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

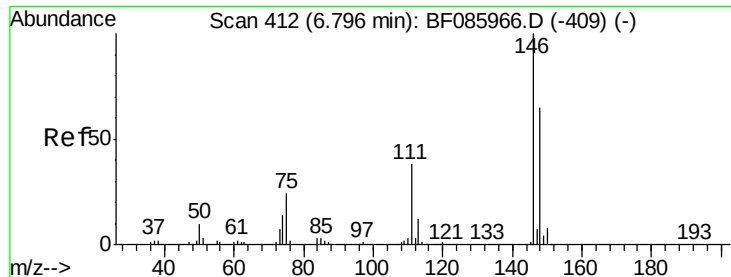
Tgt Ion: 93 Resp: 319482  
 Ion Ratio Lower Upper  
 93 100  
 63 66.0 50.9 90.9  
 95 33.2 13.3 53.3



#12  
 1,3-Dichlorobenzene  
 Concen: 39.63 ng  
 RT: 6.70 min Scan# 404  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion: 146 Resp: 354163  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 52.3 78.5  
 75 29.7 17.4 26.2#

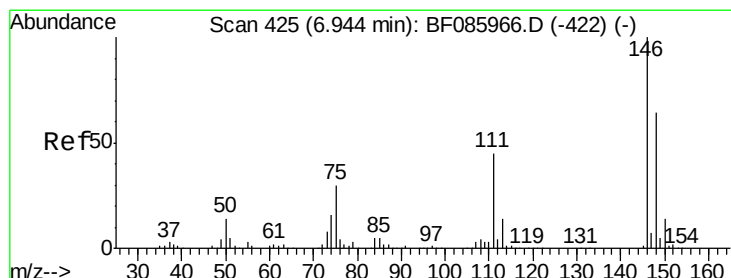
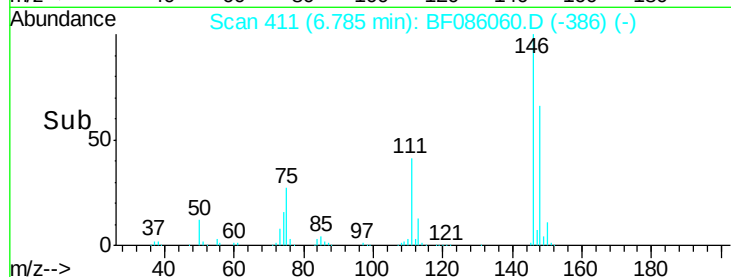
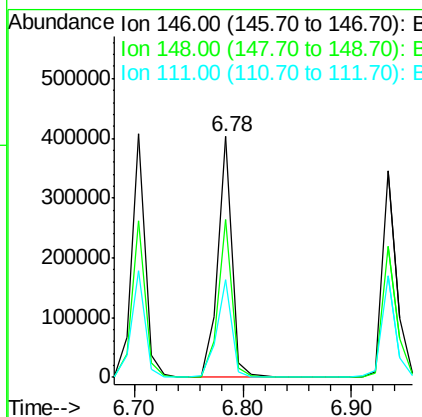
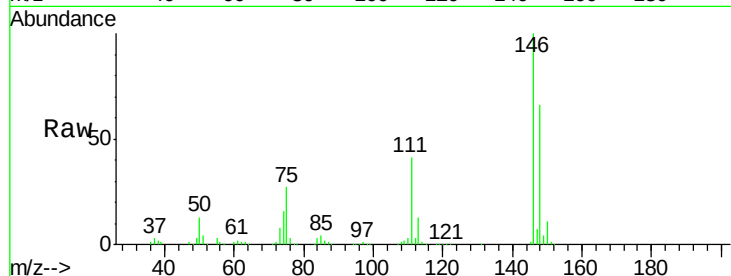




#13  
 1,4-Dichlorobenzene  
 Concen: 40.02 ng  
 RT: 6.78 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

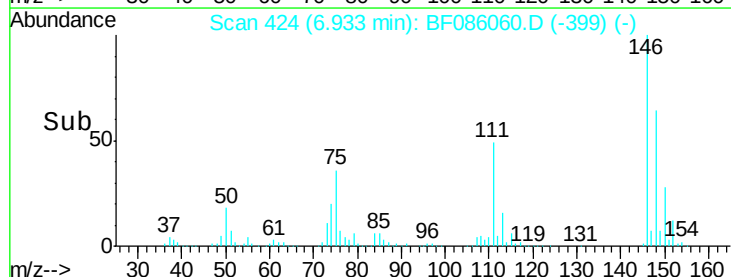
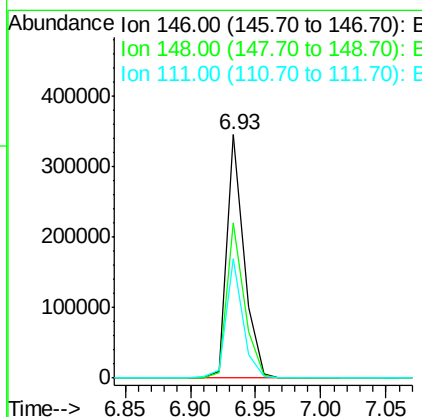
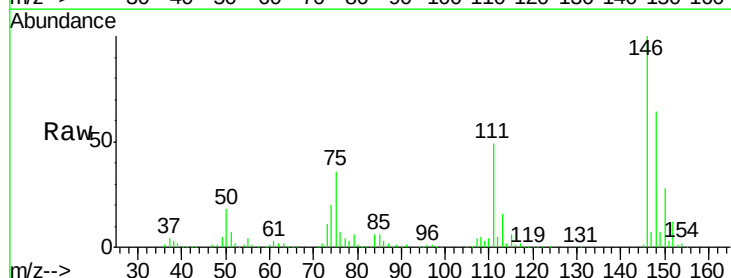
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

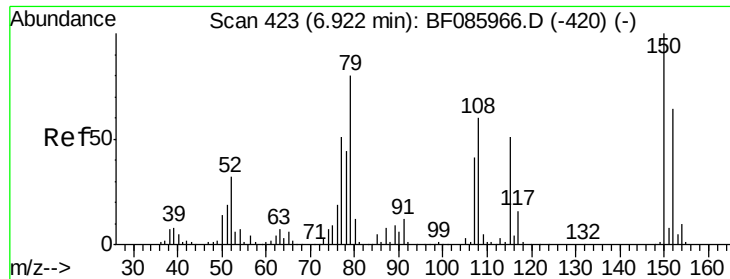
Tgt Ion:146 Resp: 368489  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 50.6 76.0  
 111 40.8 37.8 56.6



#14  
 1,2-Dichlorobenzene  
 Concen: 37.54 ng  
 RT: 6.93 min Scan# 424  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion:146 Resp: 318132  
 Ion Ratio Lower Upper  
 146 100  
 148 63.5 51.4 77.2  
 111 49.0 34.6 52.0

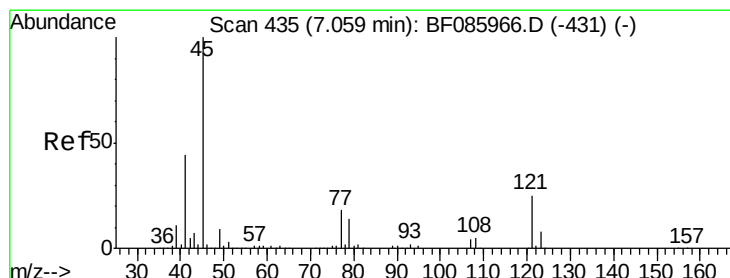
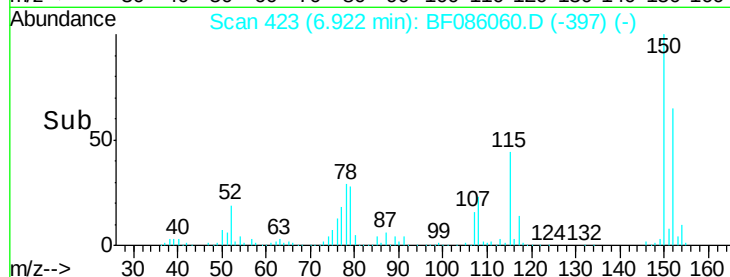
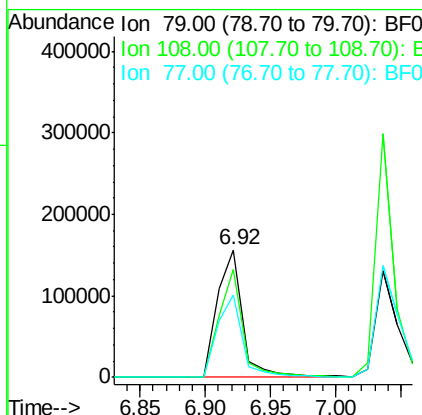
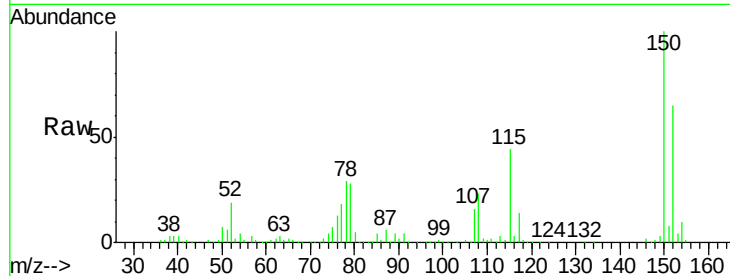




#15  
Benzyl Alcohol  
Concen: 36.84 ng  
RT: 6.92 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

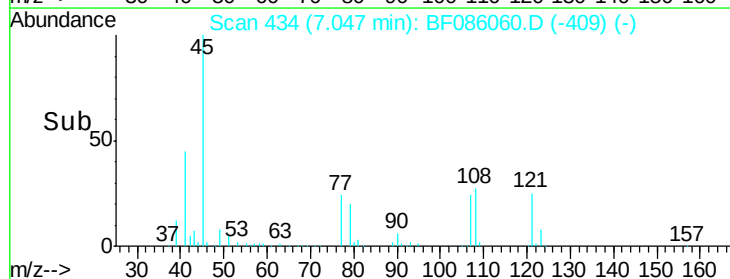
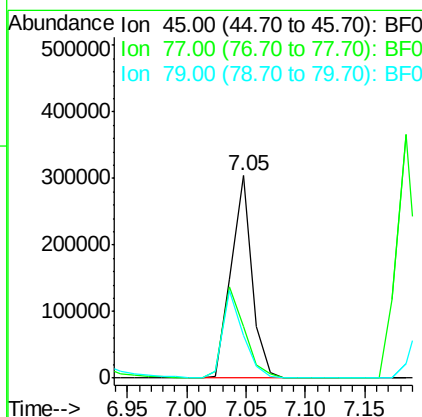
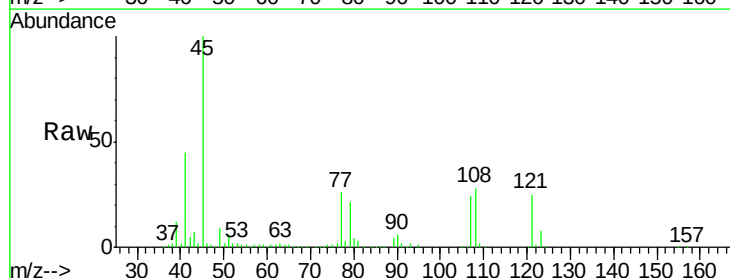
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

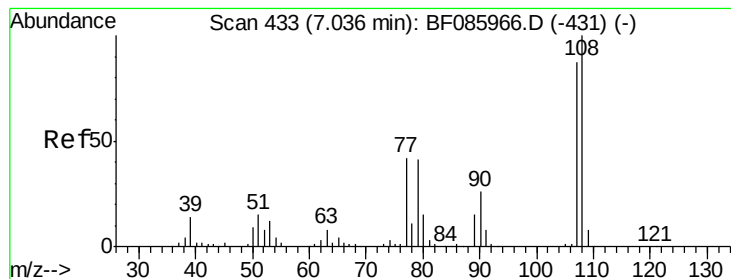
Tgt Ion: 79 Resp: 214072  
Ion Ratio Lower Upper  
79 100  
108 84.7 61.8 92.6  
77 64.9 49.6 74.4



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 37.65 ng  
RT: 7.05 min Scan# 434  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 45 Resp: 373100  
Ion Ratio Lower Upper  
45 100  
77 25.5 0.0 35.7  
79 21.4 0.0 32.2





#17

2-Methylphenol

Concen: 37.78 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 251199

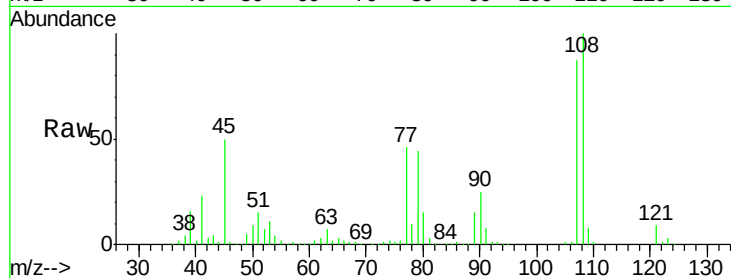
Ion Ratio Lower Upper

107 100

108 114.9 91.4 137.0

77 53.0 36.2 54.2

79 50.4 35.8 53.8

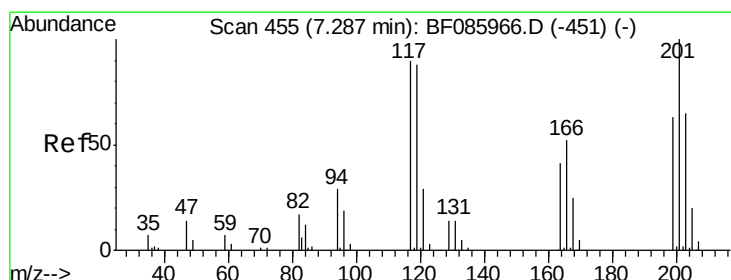
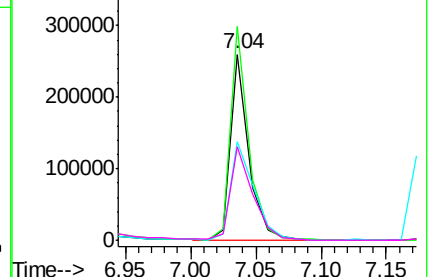
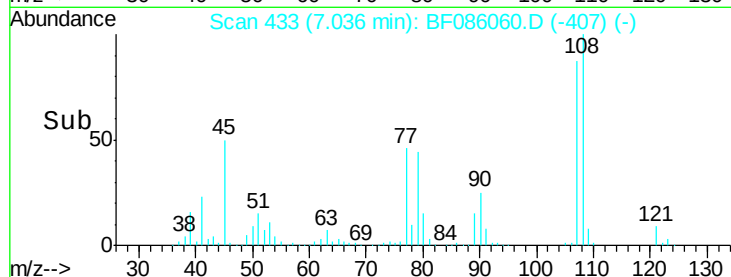


Abundance Ion 107.00 (106.70 to 107.70): E

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: 25.00 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

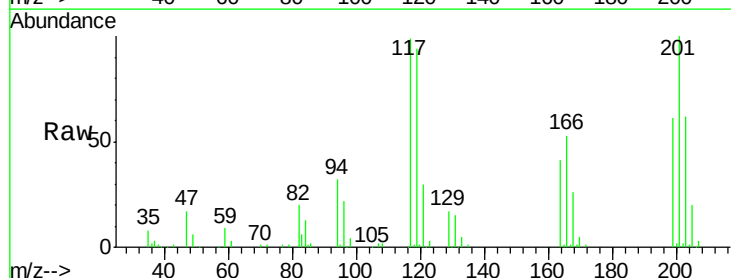
Tgt Ion:117 Resp: 84646

Ion Ratio Lower Upper

117 100

119 95.2 76.7 115.1

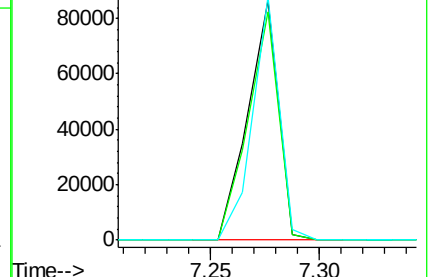
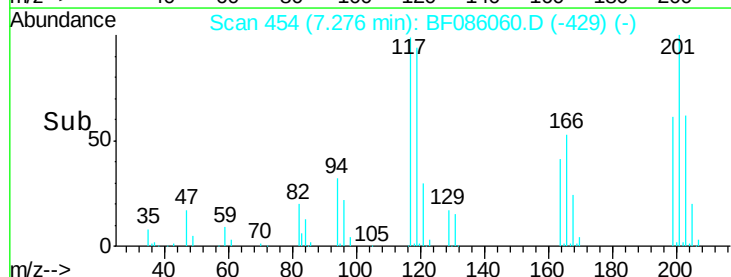
201 101.4 83.3 124.9

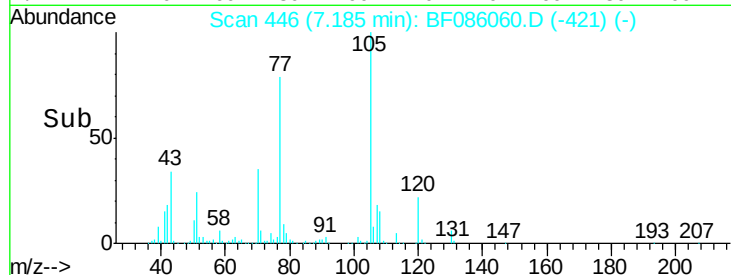
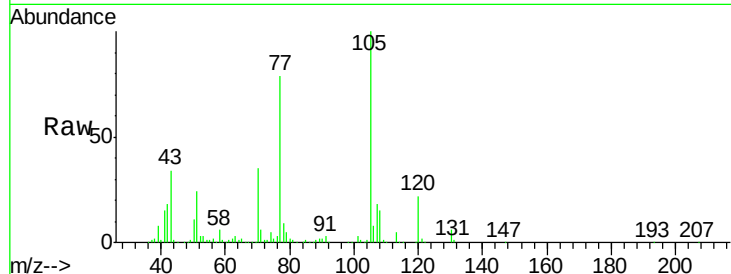
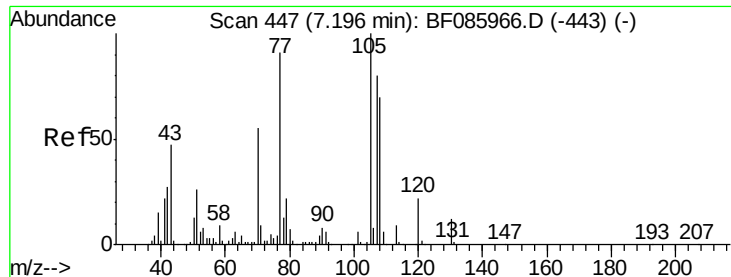


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

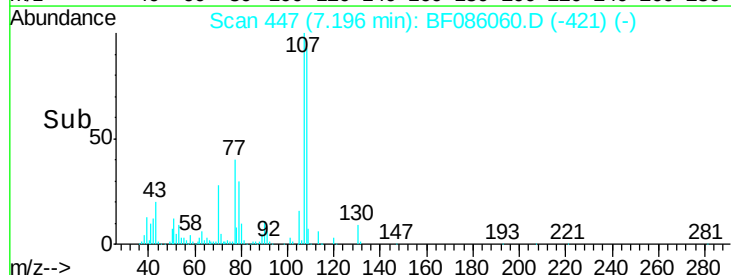
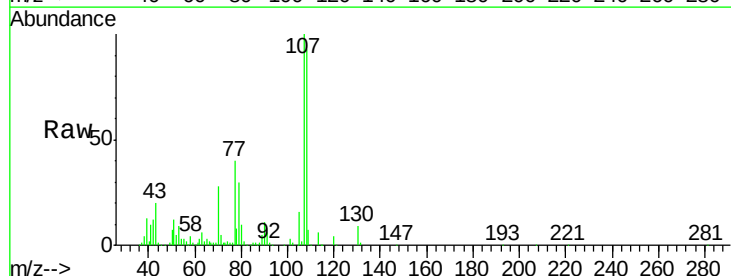
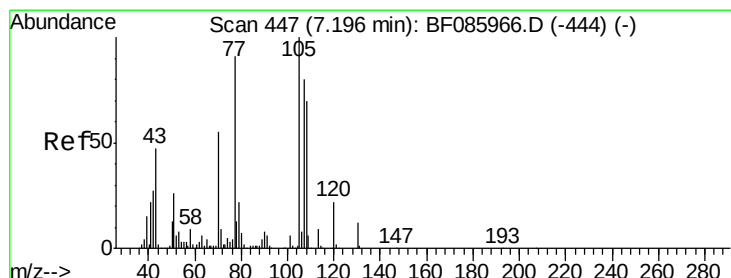
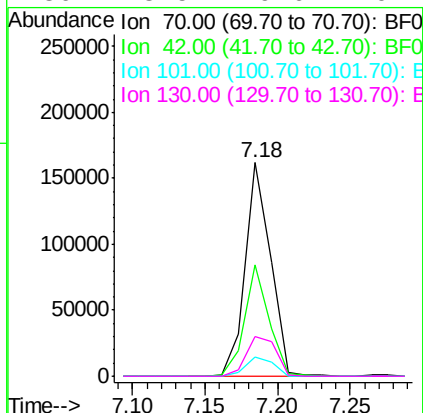




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.07 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

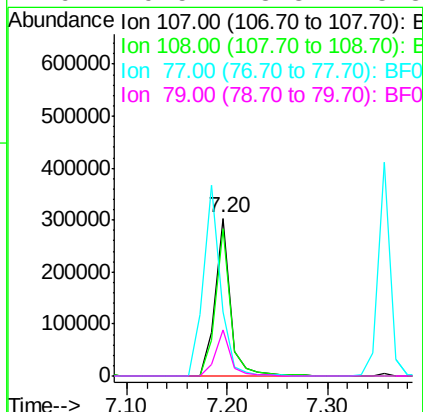
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

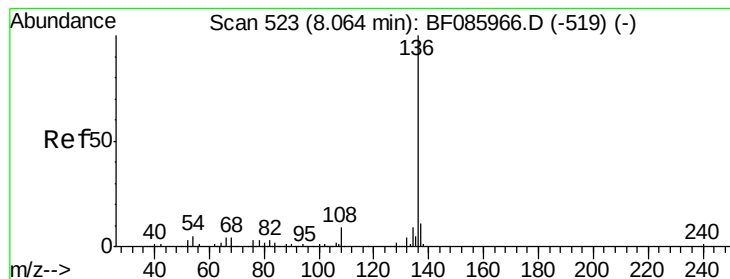
Tgt Ion: 70 Resp: 195227  
Ion Ratio Lower Upper  
70 100  
42 52.2 37.1 55.7  
101 9.2 8.6 12.8  
130 18.5 19.6 29.4#



#20  
3+4-Methylphenols  
Concen: 39.53 ng  
RT: 7.20 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 107 Resp: 319655  
Ion Ratio Lower Upper  
107 100  
108 93.2 69.3 109.3  
77 40.3 101.7 141.7#  
79 29.5 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 461943

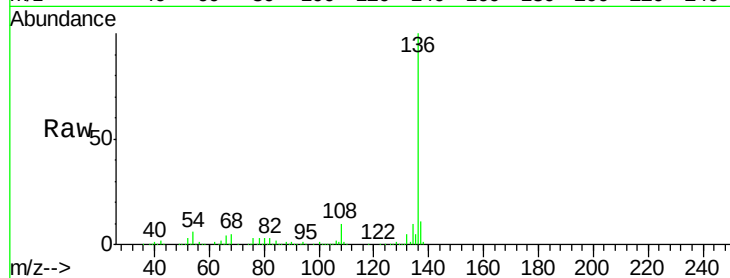
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.1 7.4 11.0#

68 5.3 5.8 8.8#

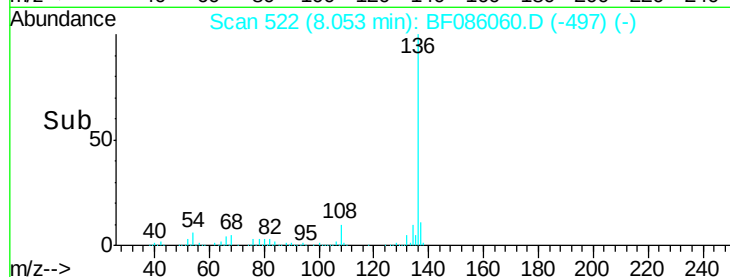


Abundance Ion 136.00 (135.70 to 136.70): E

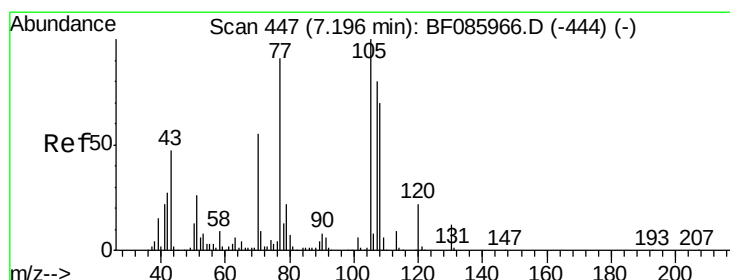
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 41.58 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Tgt Ion:105 Resp: 451493

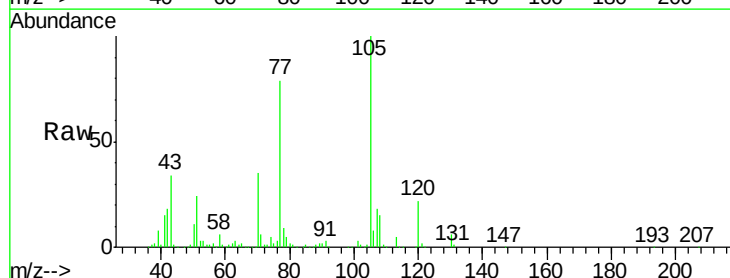
Ion Ratio Lower Upper

105 100

71 5.9 3.6 5.4#

51 23.7 25.4 38.0#

120 21.8 16.9 25.3

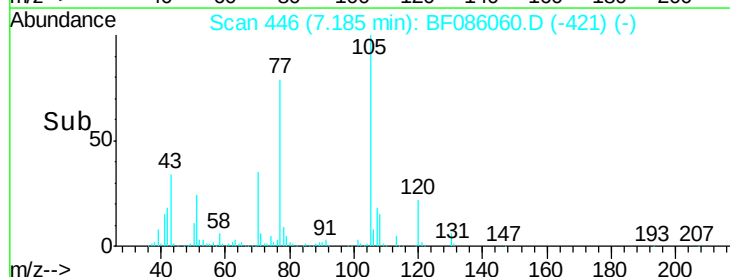


Abundance Ion 105.00 (104.70 to 105.70): E

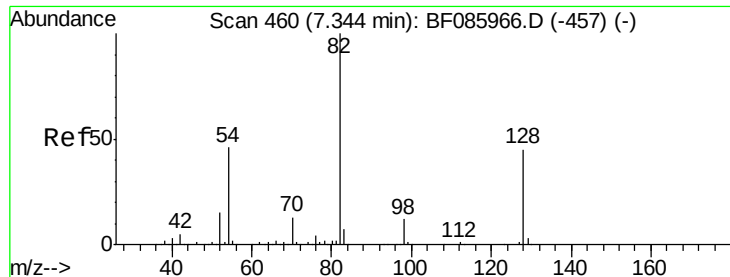
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



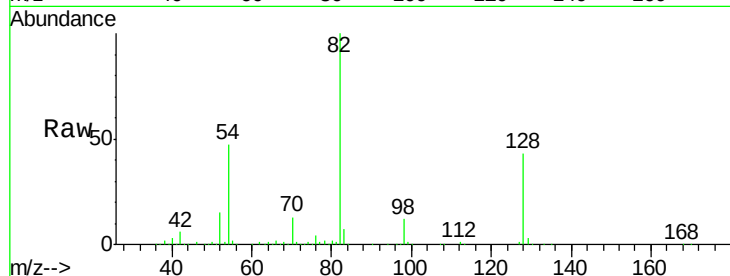
Time-->



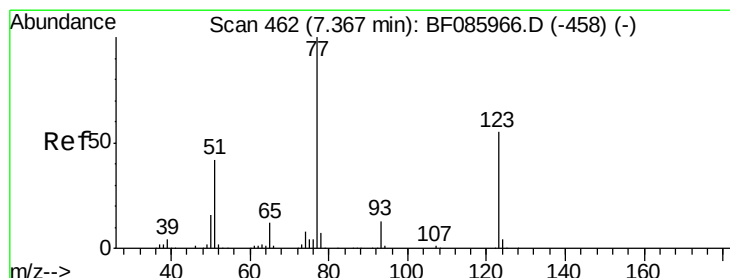
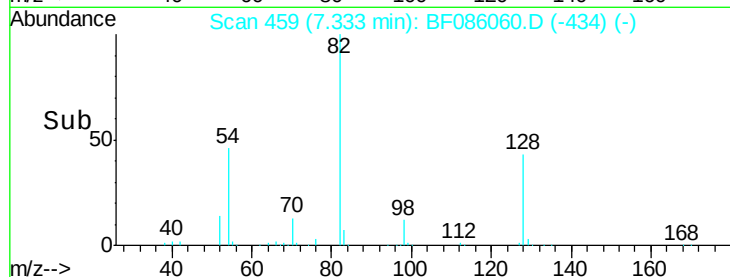
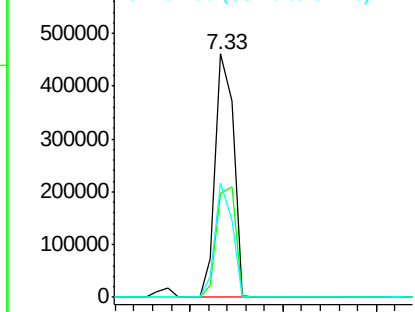
#23  
 Nitrobenzene-d5  
 Concen: 80.12 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 82 Resp: 627636  
 Ion Ratio Lower Upper  
 82 100  
 128 43.0 41.8 62.8  
 54 46.9 33.4 50.0

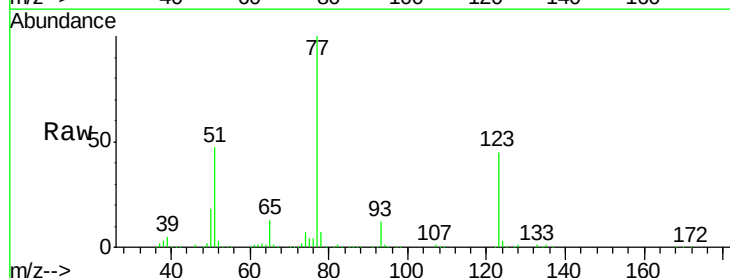


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

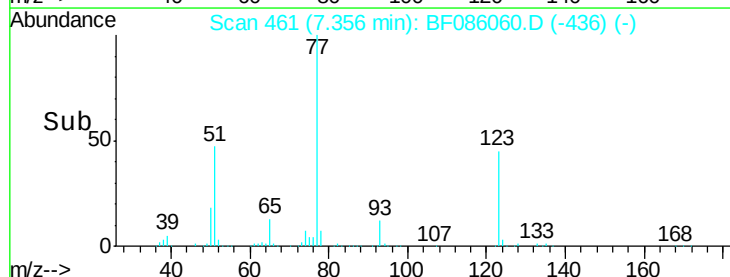
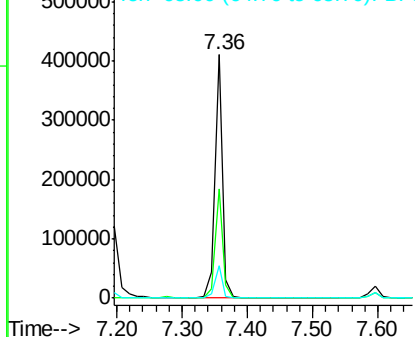


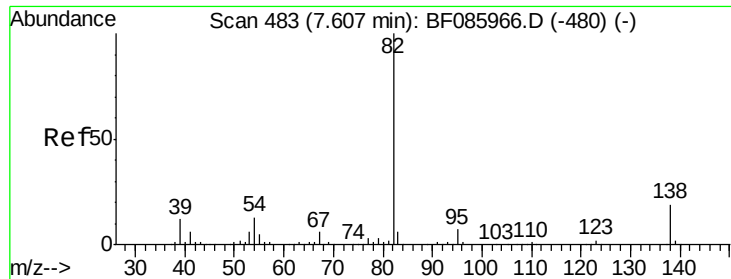
#24  
 Nitrobenzene  
 Concen: 40.13 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion: 77 Resp: 343892  
 Ion Ratio Lower Upper  
 77 100  
 123 45.0 35.0 52.4  
 65 13.2 10.6 16.0



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





#25

Isophorone

Concen: 39.12 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

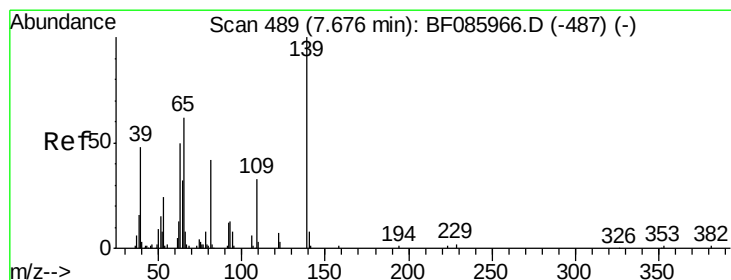
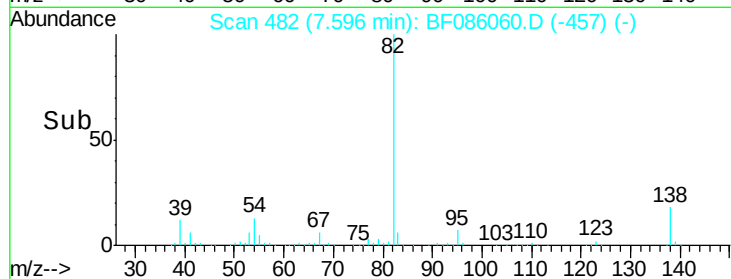
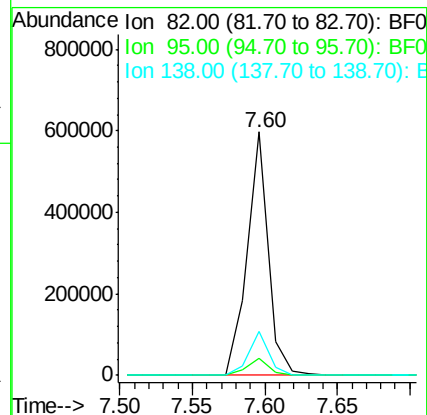
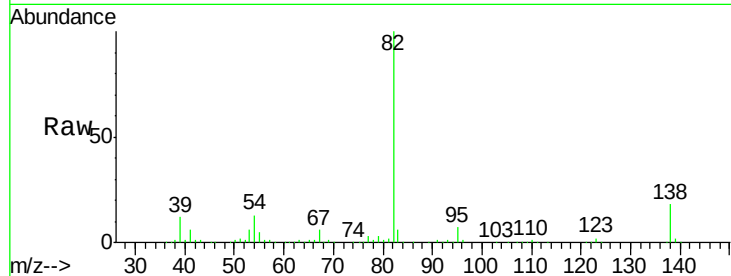
Tgt Ion: 82 Resp: 604943

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

138 17.9 12.9 19.3



#26

2-Nitrophenol

Concen: 27.91 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

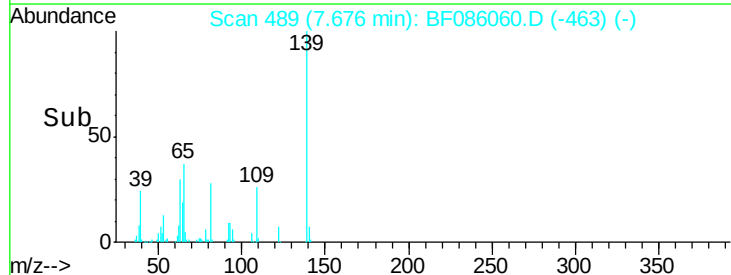
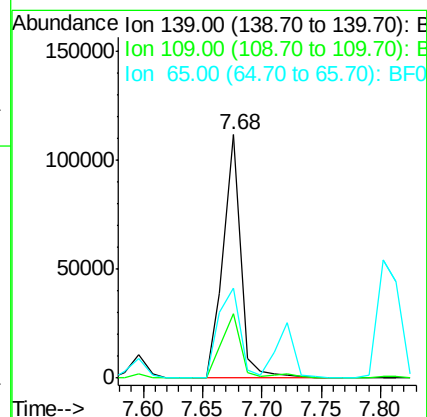
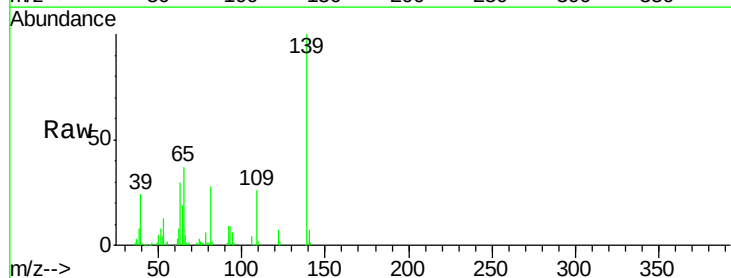
Tgt Ion: 139 Resp: 114440

Ion Ratio Lower Upper

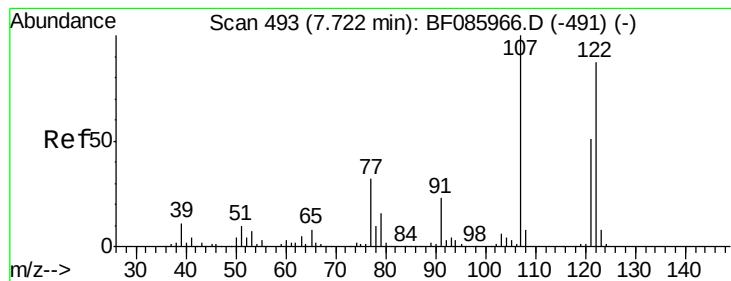
139 100

109 26.5 22.1 33.1

65 36.9 33.9 50.9







#27

2,4-Dimethylphenol

Concen: 40.52 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

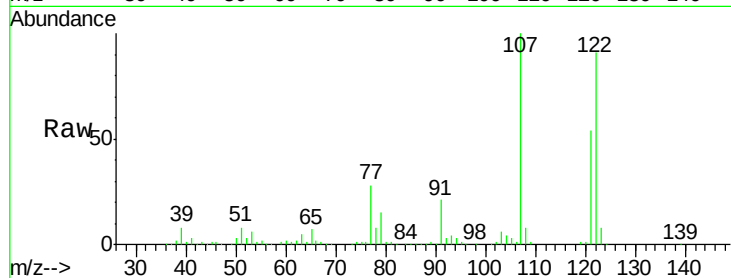
Tgt Ion:122 Resp: 298420

Ion Ratio Lower Upper

122 100

107 109.7 93.0 139.6

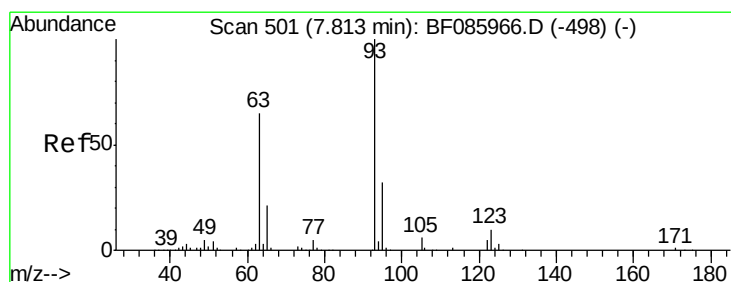
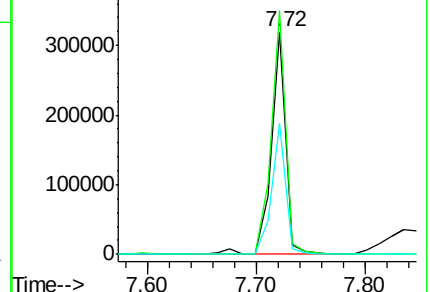
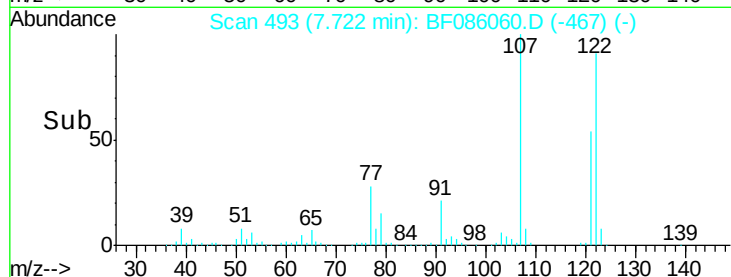
121 58.7 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.71 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

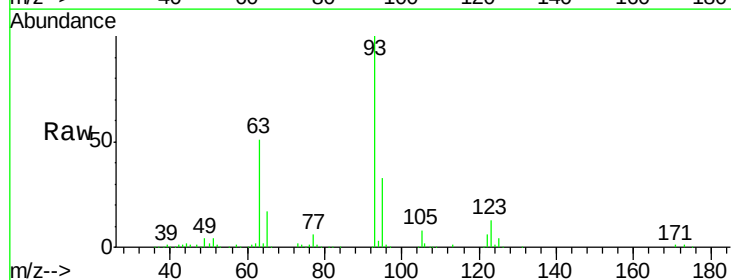
Tgt Ion: 93 Resp: 351196

Ion Ratio Lower Upper

93 100

95 33.2 26.4 39.6

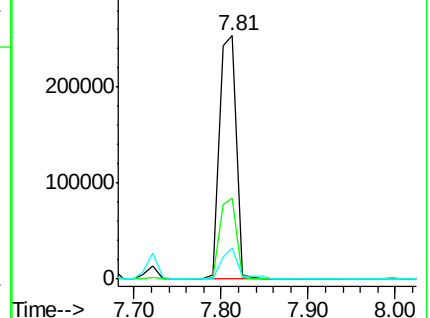
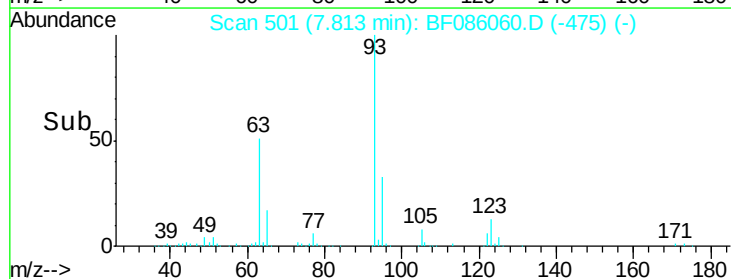
123 13.0 9.8 14.6

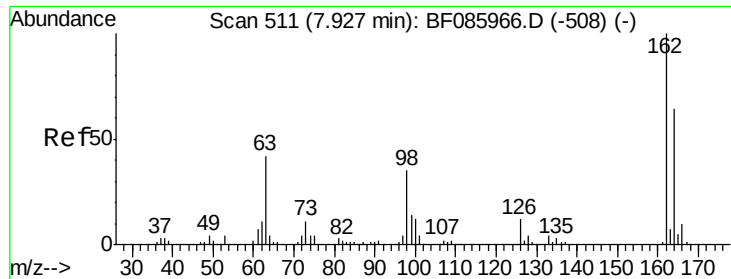


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

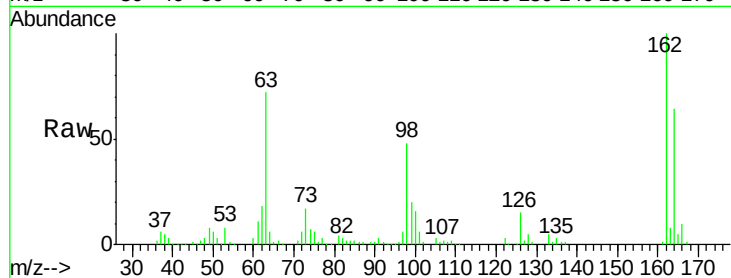




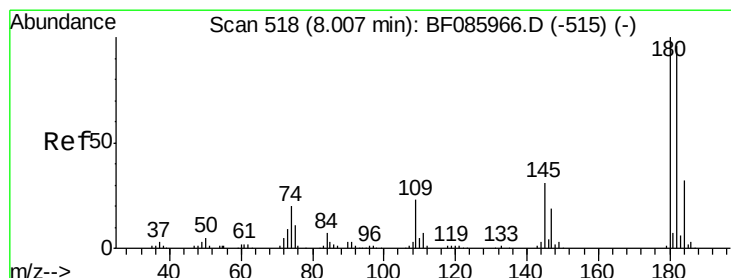
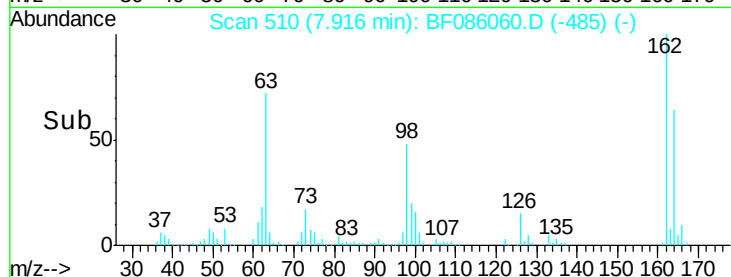
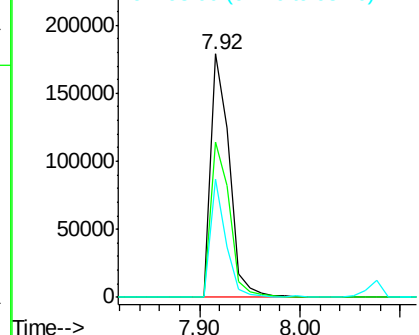
#29  
2,4-Dichlorophenol  
Concen: 36.89 ng  
RT: 7.92 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.7  | 43.7  | 83.7  |
| 98      | 48.5  | 20.4  | 60.4  |

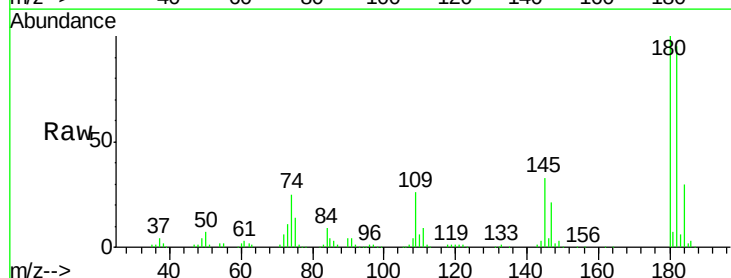


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

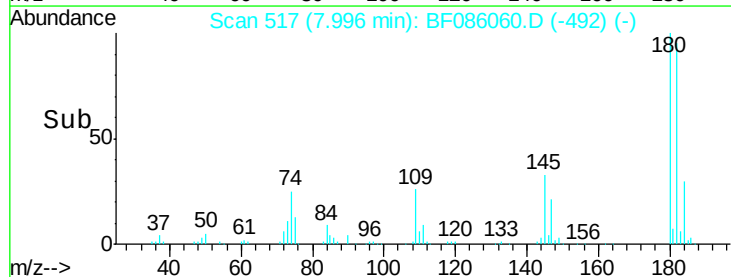
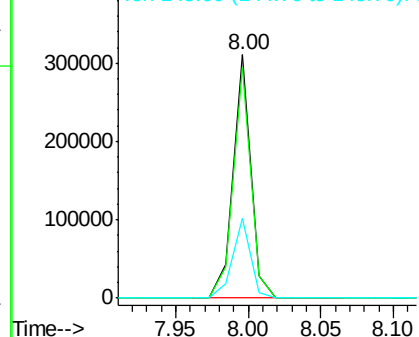


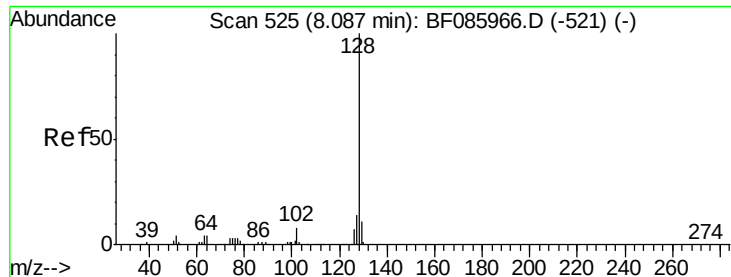
#30  
1,2,4-Trichlorobenzene  
Concen: 37.68 ng  
RT: 8.00 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 73.8  | 110.8 |
| 145     | 32.8  | 28.4  | 42.6  |



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

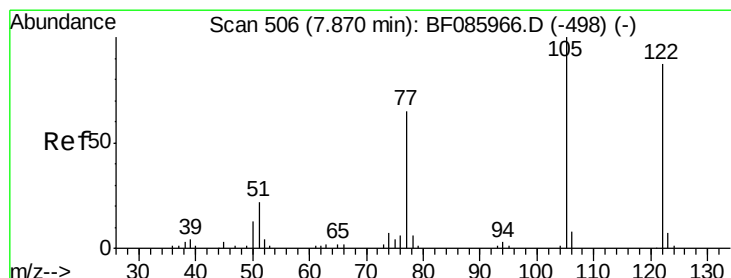
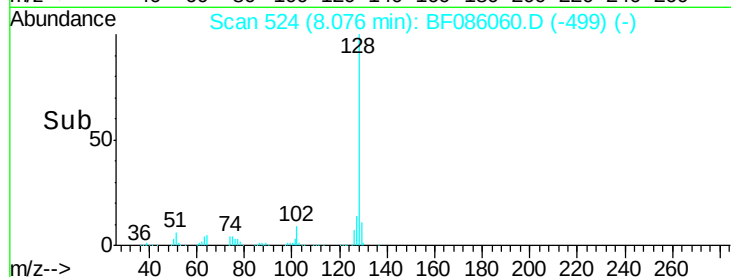
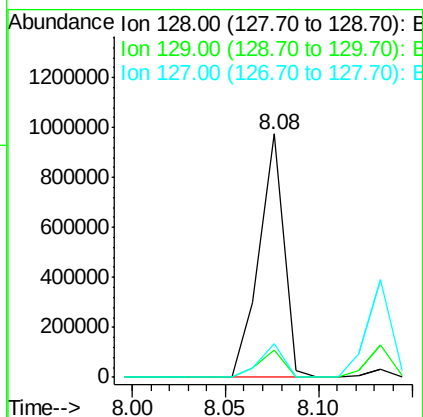
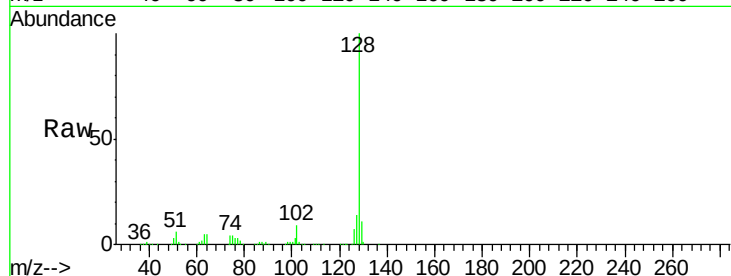




#31  
Naphthalene  
Concen: 38.58 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

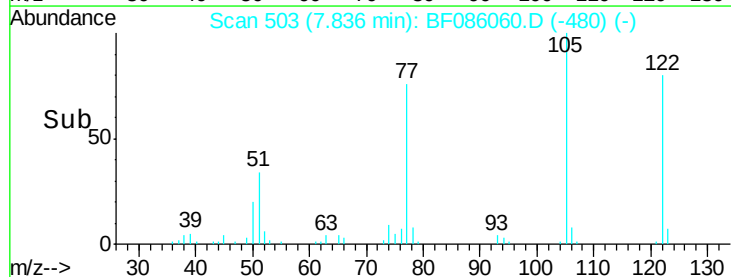
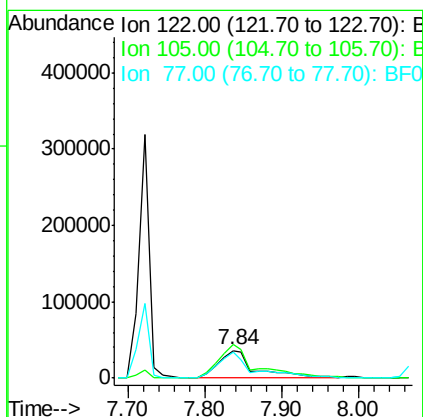
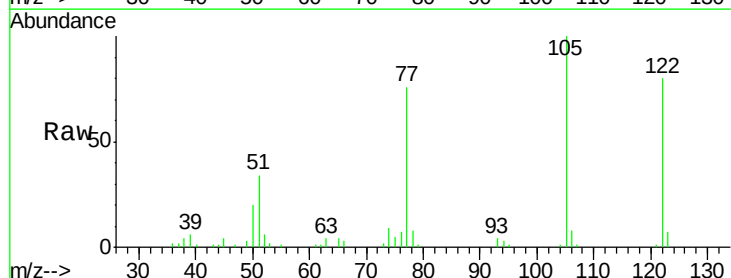
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

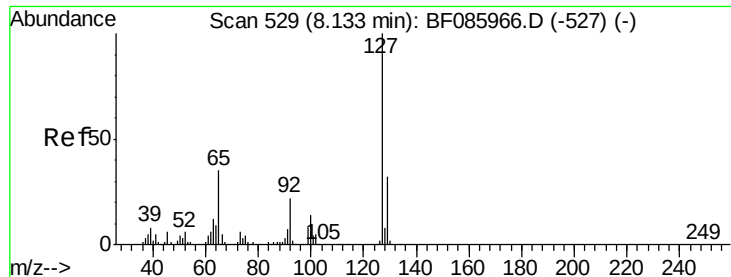
Tgt Ion:128 Resp: 896529  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.4 14.0  
127 13.8 11.0 16.6



#32  
Benzoic acid  
Concen: 21.08 ng  
RT: 7.84 min Scan# 503  
Delta R.T. -0.03 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion:122 Resp: 113862  
Ion Ratio Lower Upper  
122 100  
105 124.4 102.9 142.9  
77 94.8 71.8 111.8

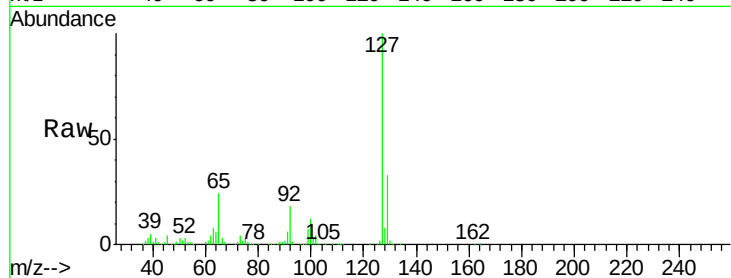




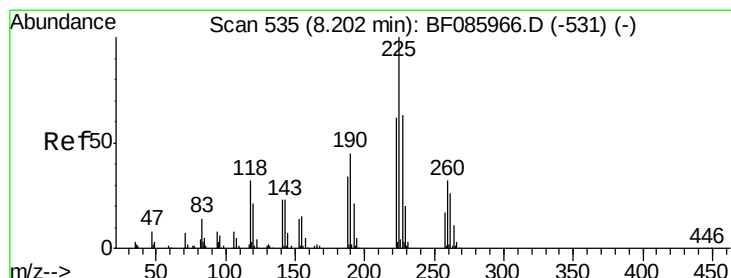
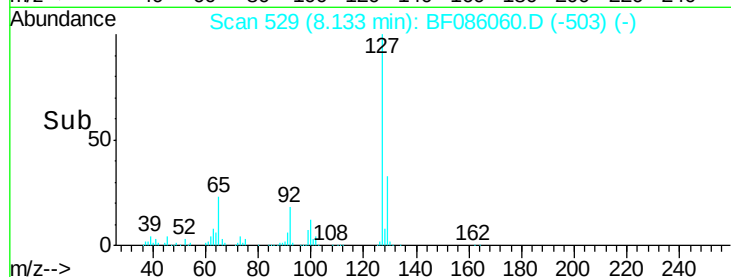
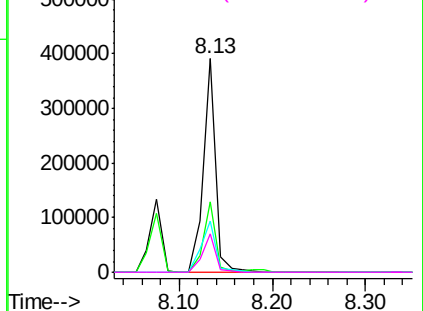
#33  
4-Chloroaniline  
Concen: 38.62 ng  
RT: 8.13 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 362500 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 26.1  | 39.1   |
| 65       | 23.9  | 19.5  | 29.3   |
| 92       | 18.1  | 14.6  | 22.0   |

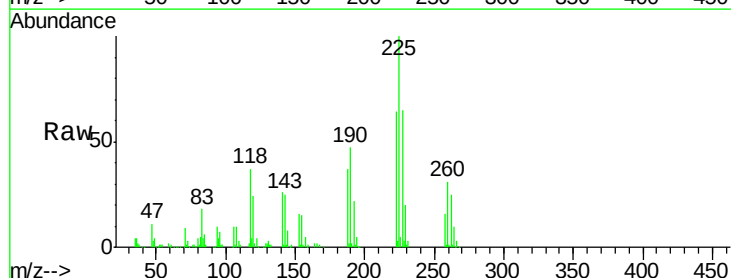


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

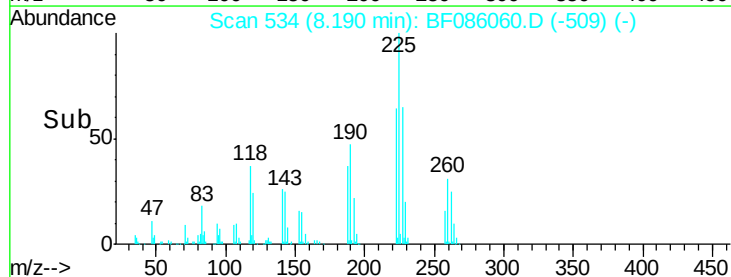
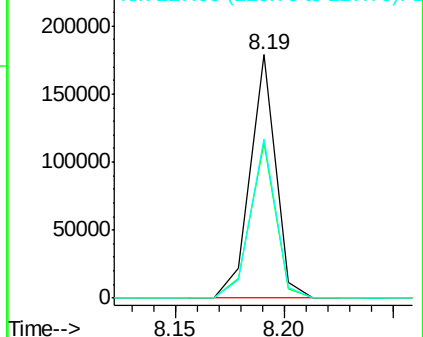


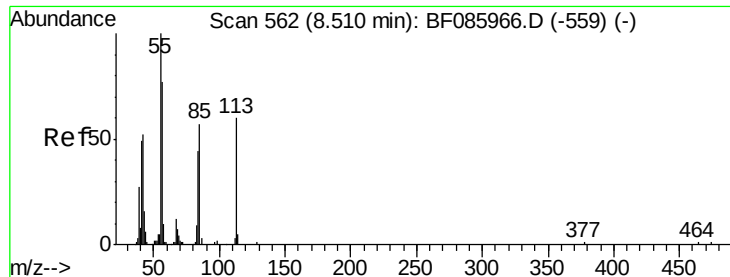
#34  
Hexachlorobutadiene  
Concen: 38.95 ng  
RT: 8.19 min Scan# 534  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 146351 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.8  | 50.4  | 75.6   |
| 227      | 65.1  | 51.4  | 77.2   |



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

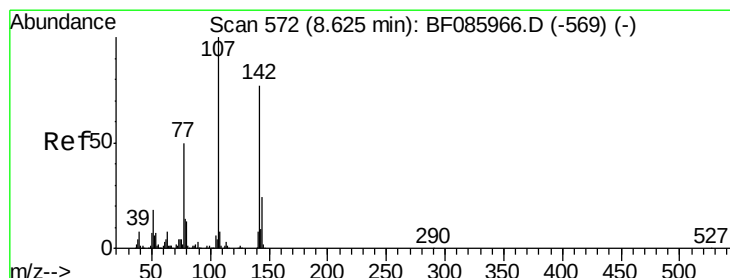
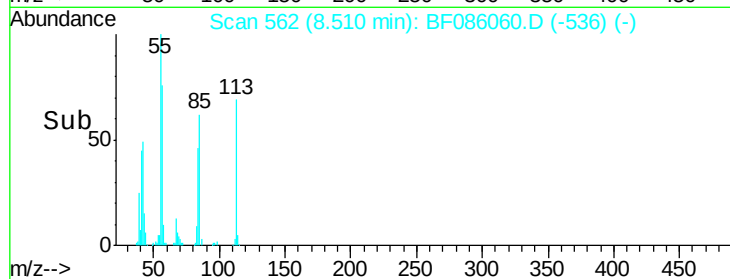
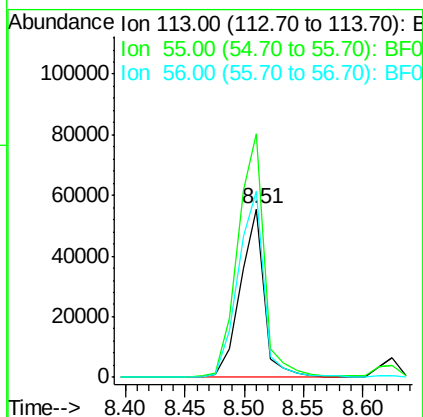
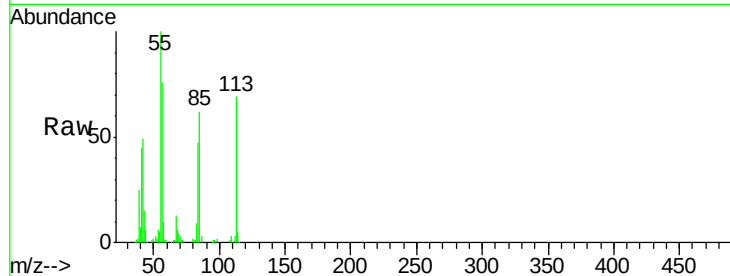




#35  
 Caprolactam  
 Concen: 39.38 ng  
 RT: 8.51 min Scan# 562  
 Delta R.T. 0.00 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

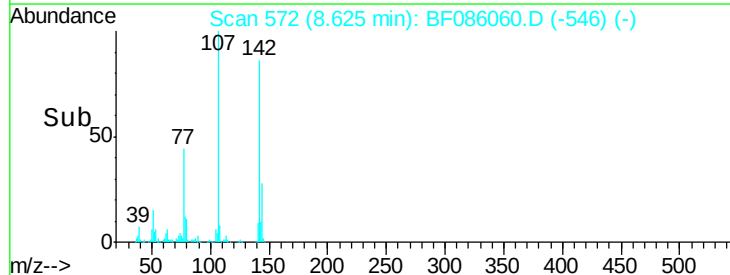
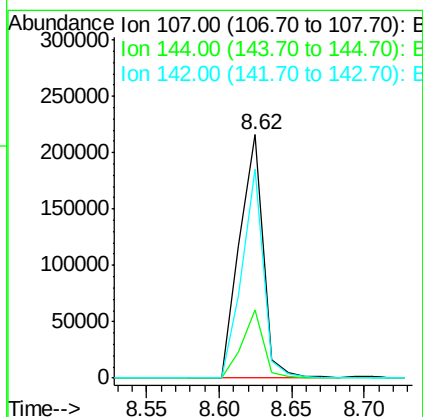
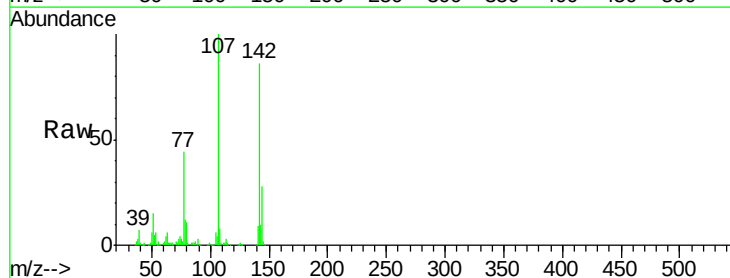
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

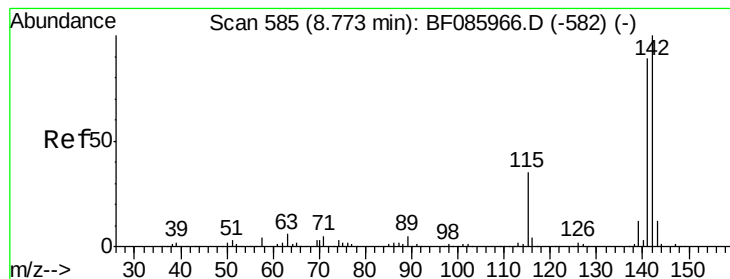
Tgt Ion:113 Resp: 77779  
 Ion Ratio Lower Upper  
 113 100  
 55 144.7 139.4 179.4  
 56 110.2 100.4 140.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 34.94 ng  
 RT: 8.62 min Scan# 572  
 Delta R.T. 0.00 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion:107 Resp: 244536  
 Ion Ratio Lower Upper  
 107 100  
 144 28.1 19.3 28.9  
 142 85.8 61.4 92.0





#37

2-Methylnaphthalene

Concen: 32.50 ng

RT: 8.76 min Scan# 584

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

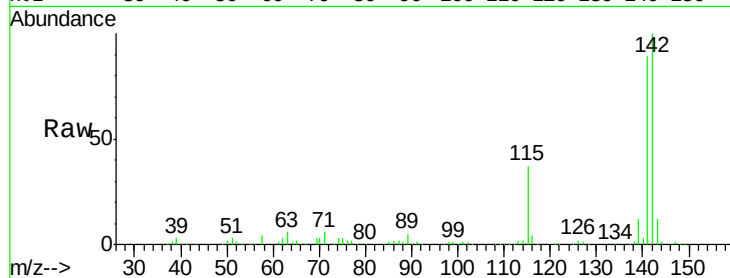
Tgt Ion:142 Resp: 493301

Ion Ratio Lower Upper

142 100

141 89.2 71.6 107.4

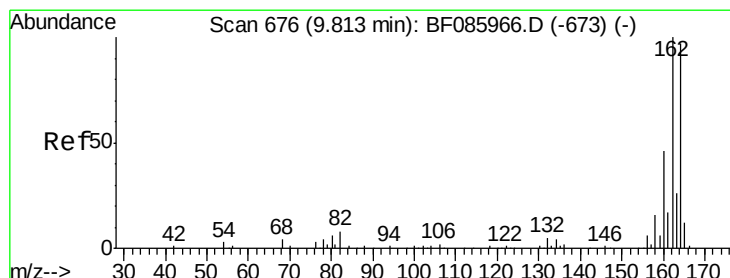
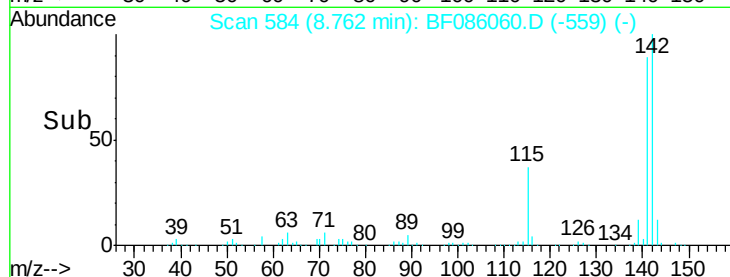
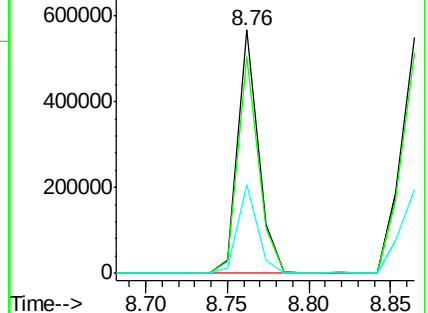
115 36.7 26.8 40.2



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: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

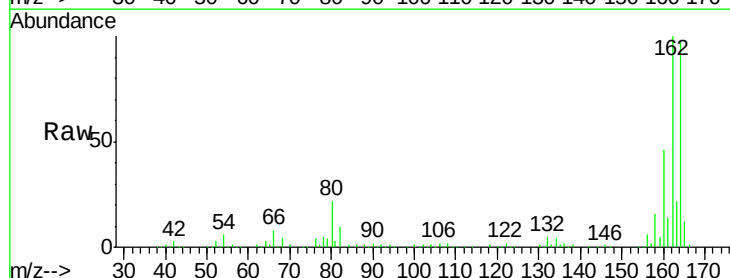
Tgt Ion:164 Resp: 180032

Ion Ratio Lower Upper

164 100

162 102.2 82.1 123.1

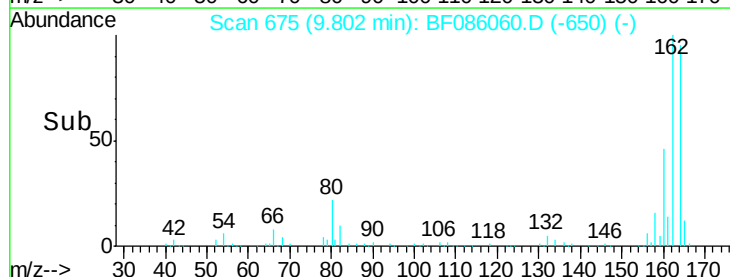
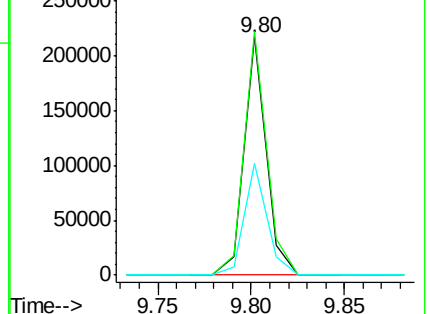
160 46.7 37.4 56.2

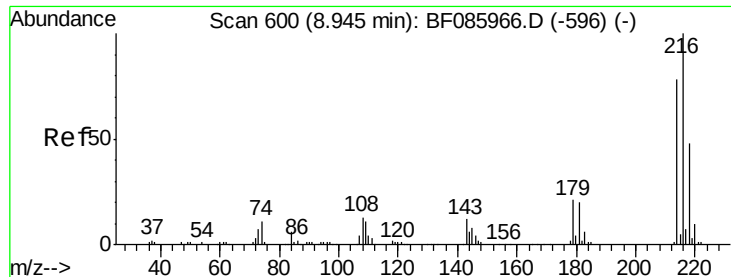


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

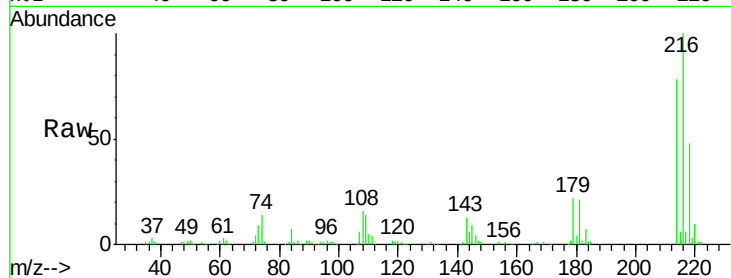




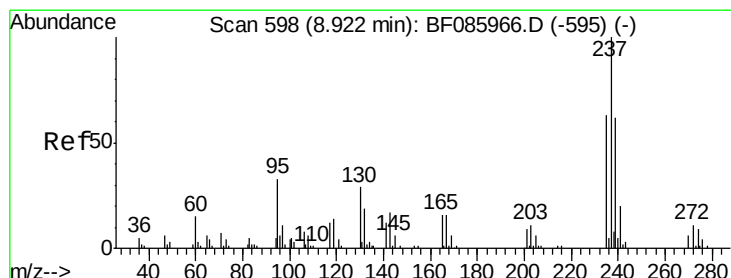
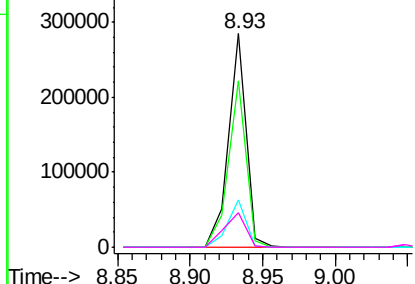
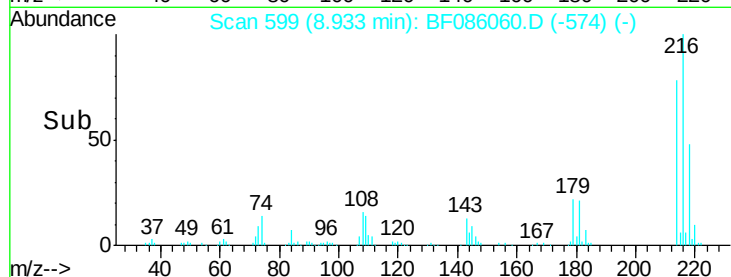
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 44.26 ng  
 RT: 8.93 min Scan# 599  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 239475 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.8  | 63.1  | 94.7   |
| 179       | 23.2  | 18.2  | 27.2   |
| 108       | 19.9  | 17.3  | 25.9   |

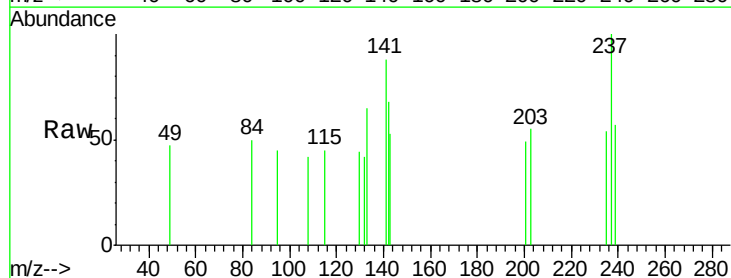


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

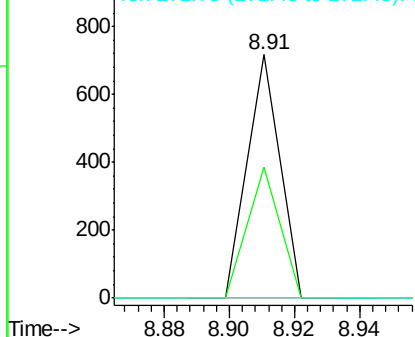
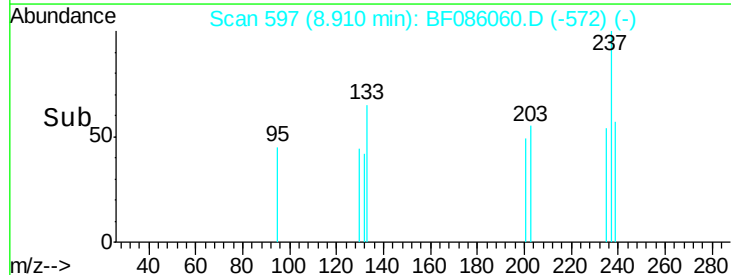


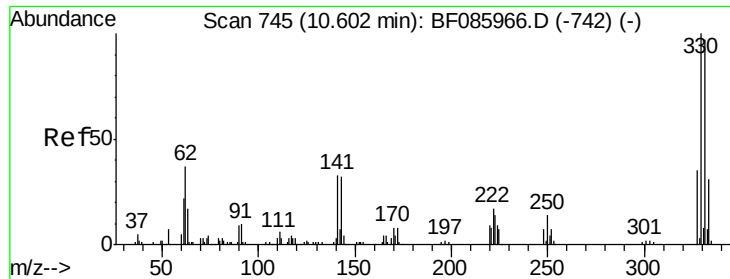
#40  
 Hexachlorocyclopentadiene  
 Concen: 5.72 ng  
 RT: 8.91 min Scan# 597  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 237   | Resp: | 492  |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 54.0  | 43.7  | 83.7 |
| 272       | 0.0   | 0.0   | 31.9 |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

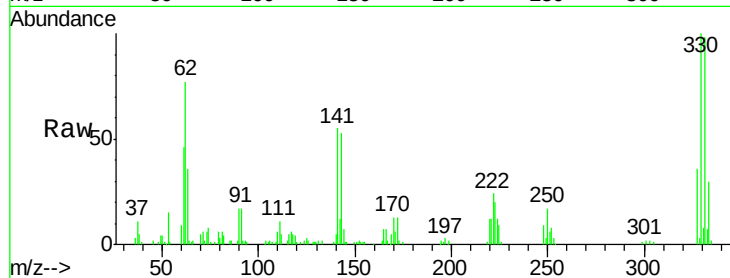




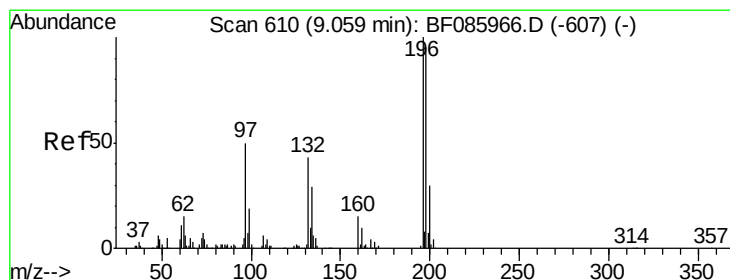
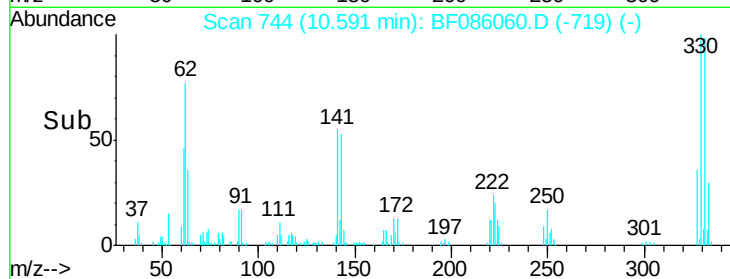
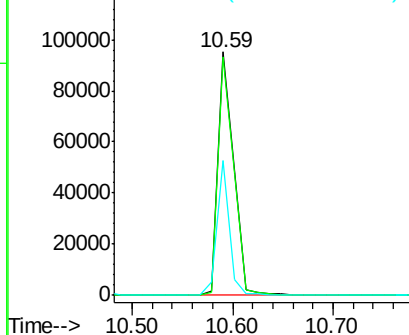
#41  
 2,4,6-Tribromophenol  
 Concen: 61.10 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTCCCC040

Tgt Ion:330 Resp: 103246  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 78.2 117.2  
 141 43.7 31.5 47.3

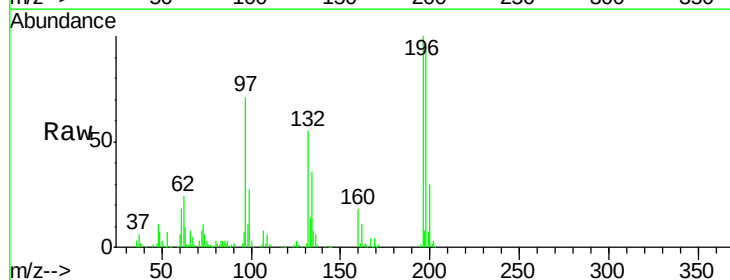


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

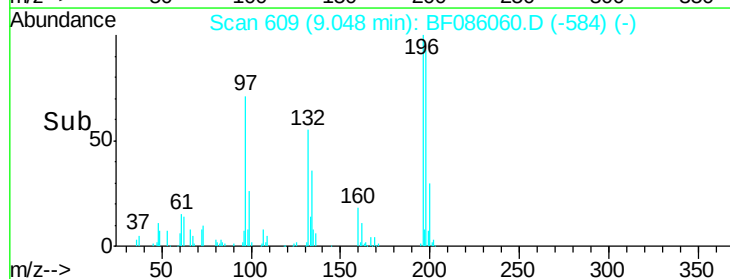
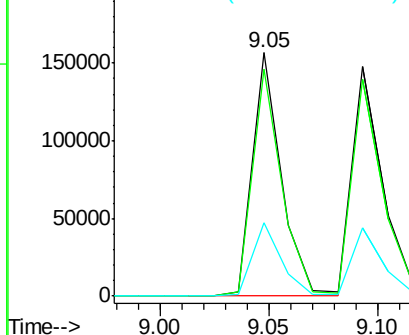


#42  
 2,4,6-Trichlorophenol  
 Concen: 41.68 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

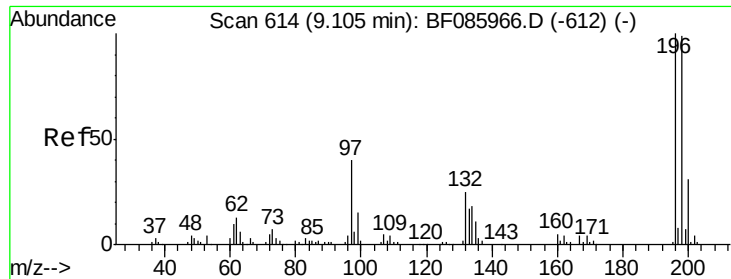
Tgt Ion:196 Resp: 144818  
 Ion Ratio Lower Upper  
 196 100  
 198 93.4 75.3 112.9  
 200 29.9 23.7 35.5



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



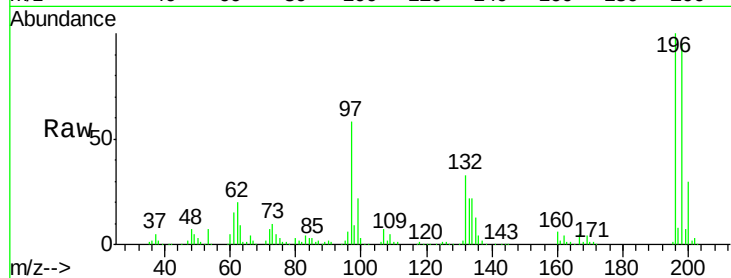




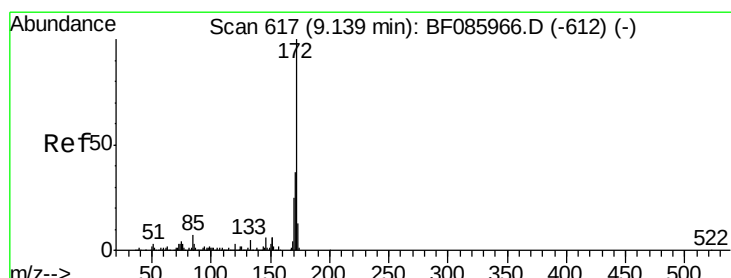
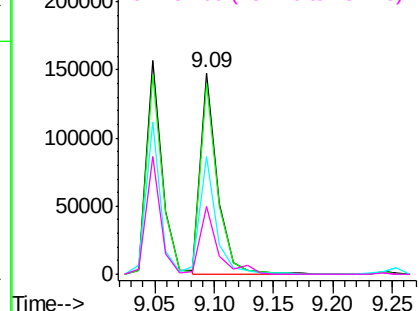
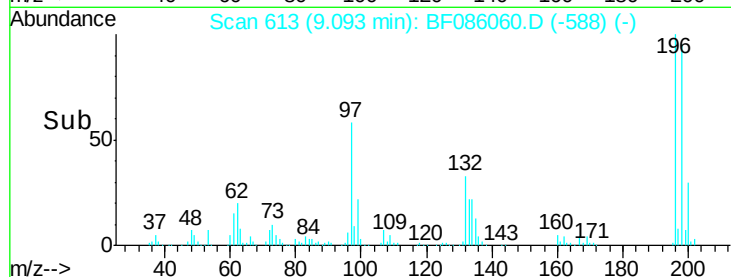
#43  
 2,4,5-Trichlorophenol  
 Concen: 41.88 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 147747 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.6  | 76.6  | 114.8  |
| 97        | 58.3  | 30.5  | 45.7#  |
| 132       | 33.5  | 20.2  | 30.2#  |

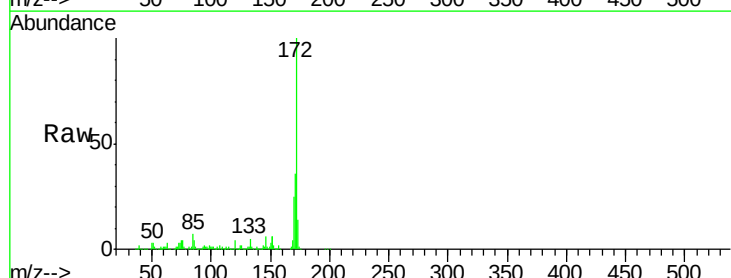


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

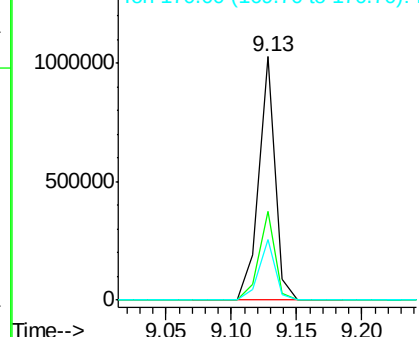
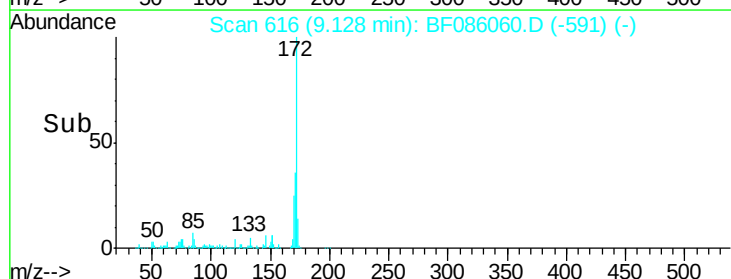


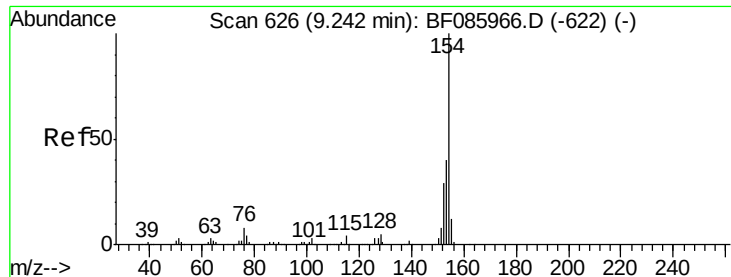
#44  
 2-Fluorobiphenyl  
 Concen: 83.50 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 904170 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.4  | 29.4  | 44.2   |
| 170       | 25.1  | 19.8  | 29.6   |



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

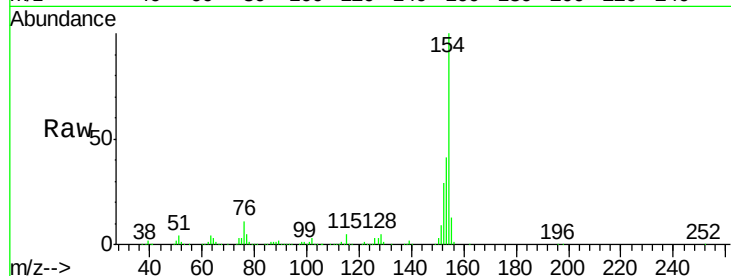




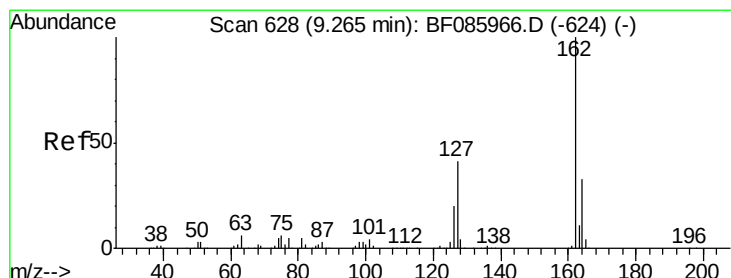
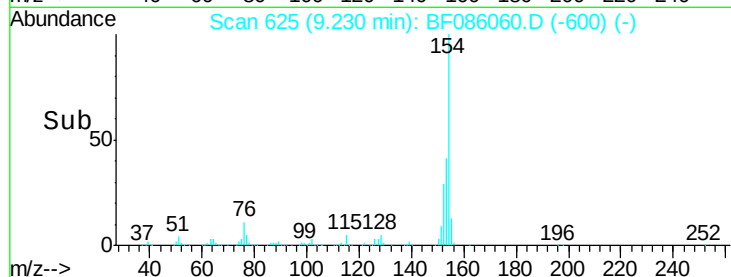
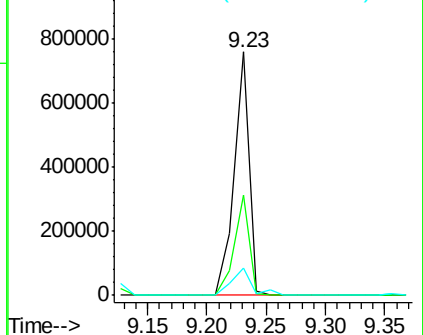
#45  
 1,1'-Biphenyl  
 Concen: 42.98 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 20.8  | 60.8  |
| 76      | 11.4  | 0.0   | 36.7  |

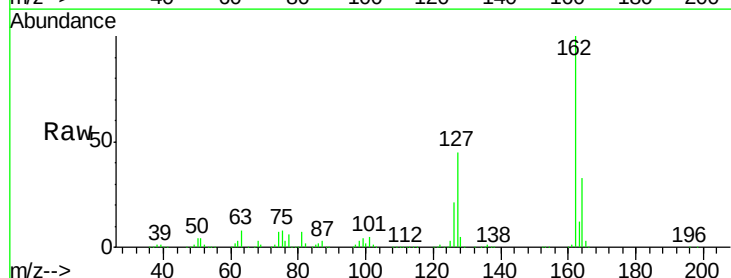


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

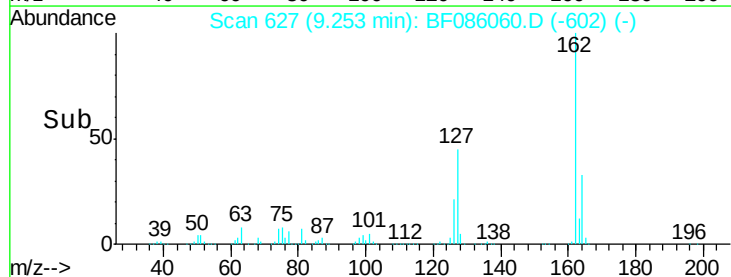
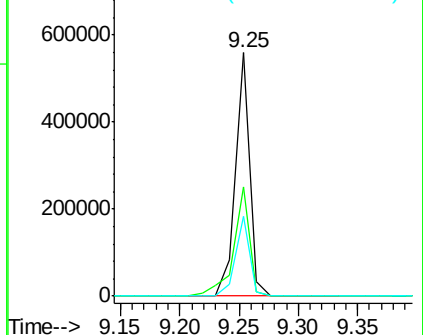


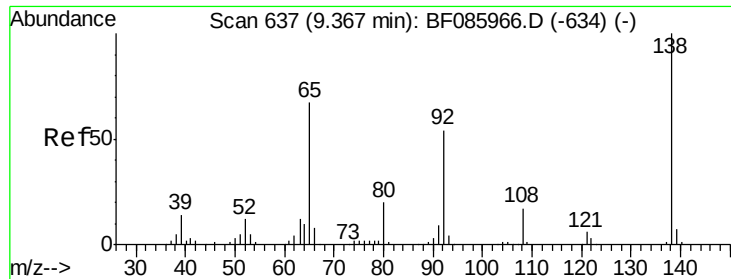
#46  
 2-Chloronaphthalene  
 Concen: 41.45 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 45.0  | 31.7  | 47.5  |
| 164     | 32.7  | 27.3  | 40.9  |



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

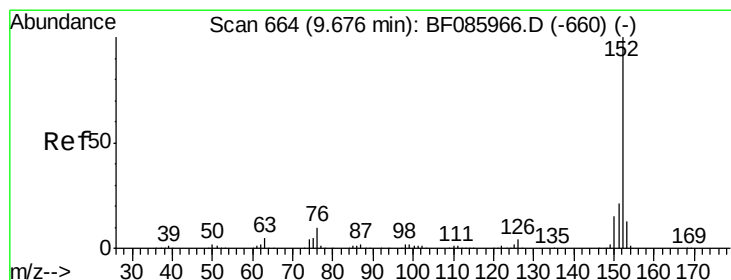
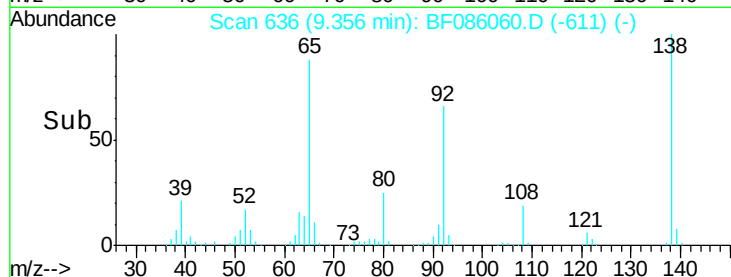
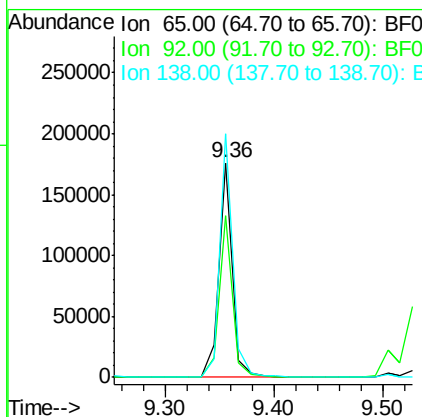
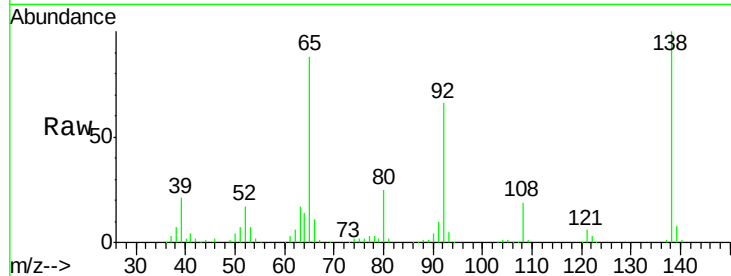




#47  
2-Nitroaniline  
Concen: 46.45 ng  
RT: 9.36 min Scan# 636  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

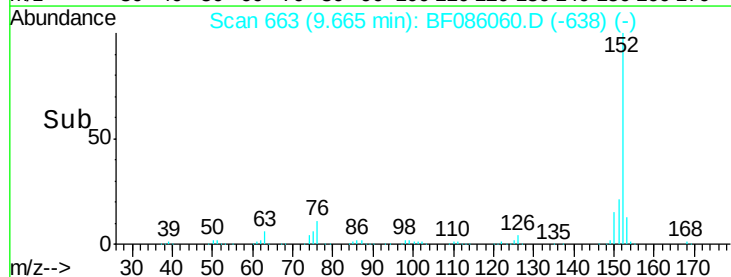
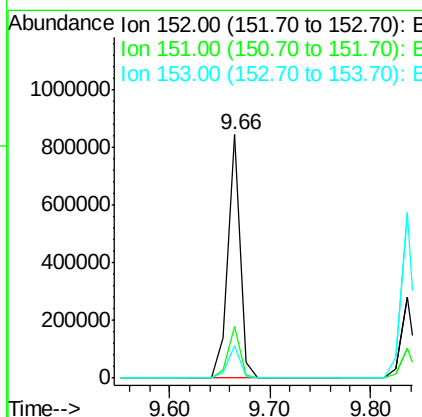
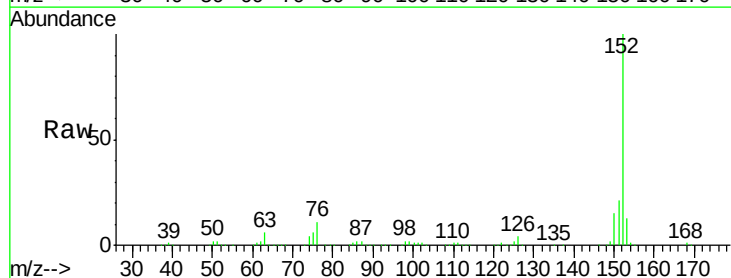
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

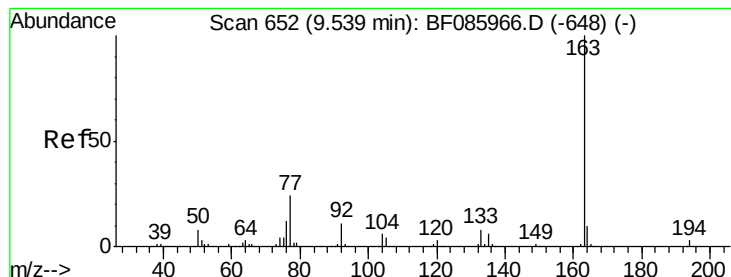
Tgt Ion: 65 Resp: 152944  
Ion Ratio Lower Upper  
65 100  
92 75.2 59.7 89.5  
138 113.6 91.4 137.0



#48  
Acenaphthylene  
Concen: 39.71 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 152 Resp: 715757  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.8 25.2  
153 13.3 10.9 16.3





#49

Dimethylphthalate

Concen: 40.93 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

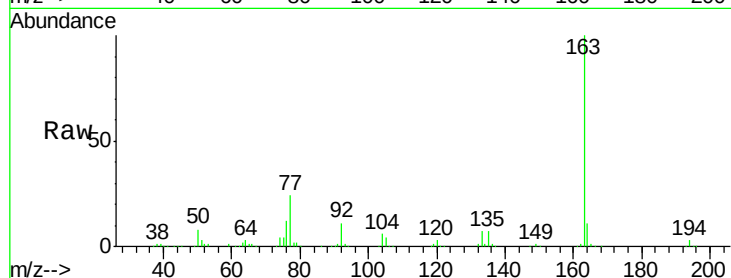
Tgt Ion:163 Resp: 546116

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

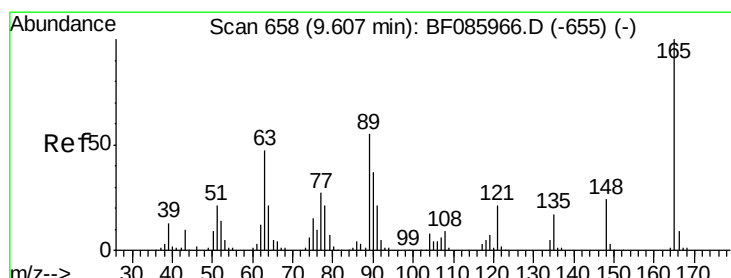
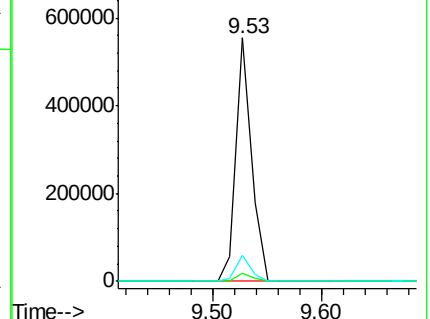
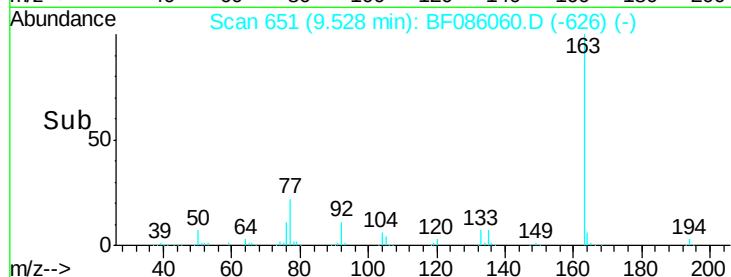
164 10.5 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 34.57 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

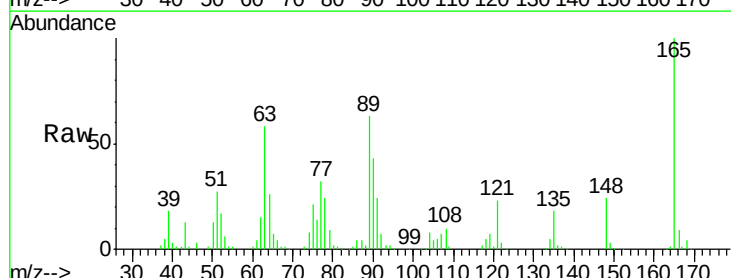
Tgt Ion:165 Resp: 97585

Ion Ratio Lower Upper

165 100

63 58.1 51.8 77.8

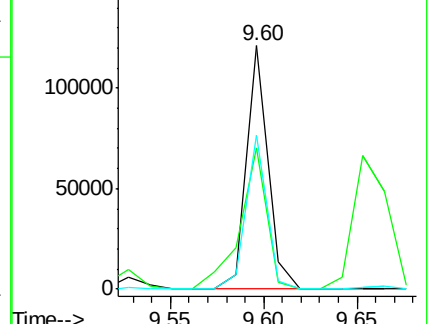
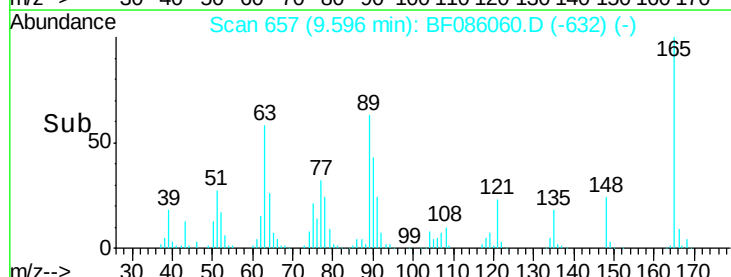
89 63.2 53.7 80.5

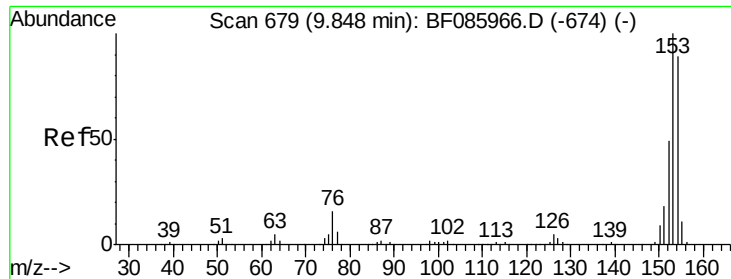


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.21 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

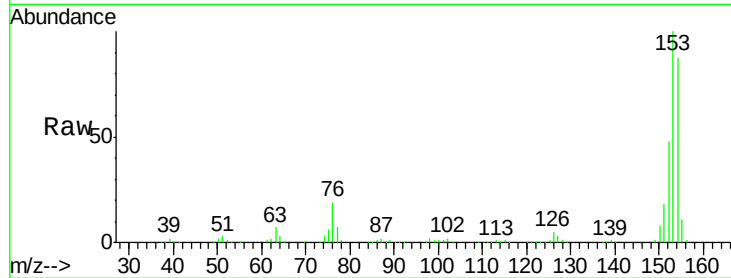
Tgt Ion:154 Resp: 409583

Ion Ratio Lower Upper

154 100

153 114.5 90.1 135.1

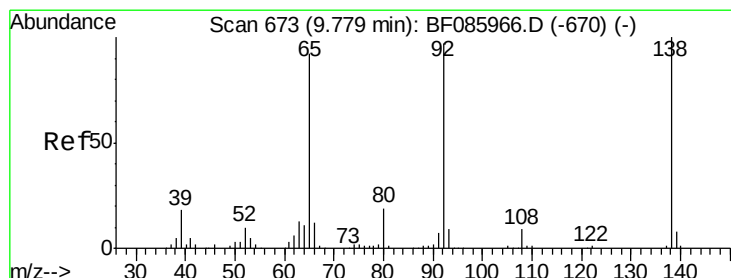
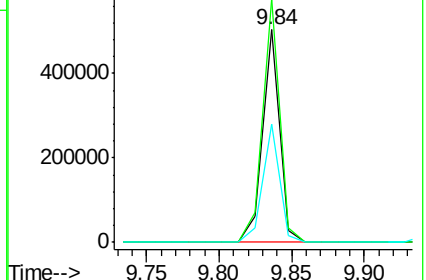
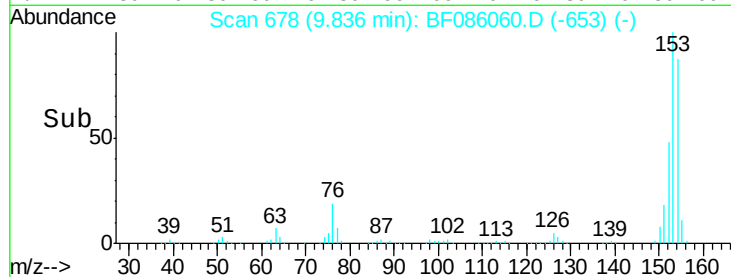
152 55.5 44.2 66.2



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: 40.71 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

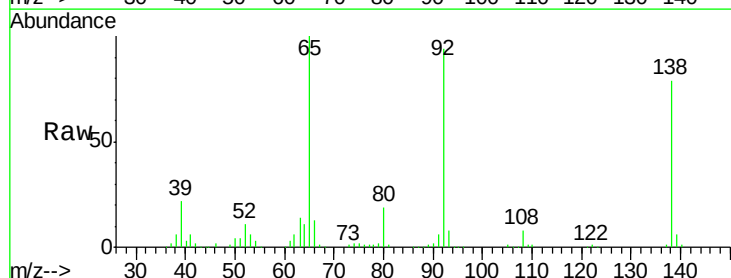
Tgt Ion:138 Resp: 138512

Ion Ratio Lower Upper

138 100

108 10.4 8.7 13.1

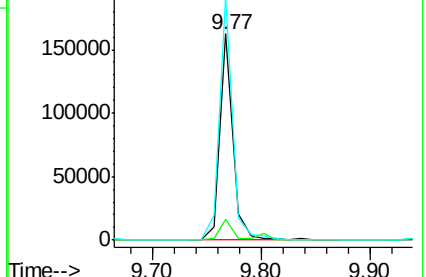
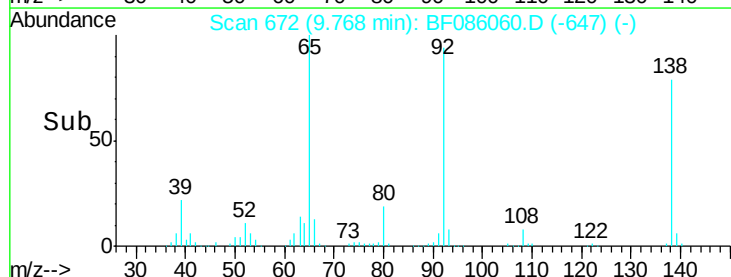
92 118.2 93.3 139.9

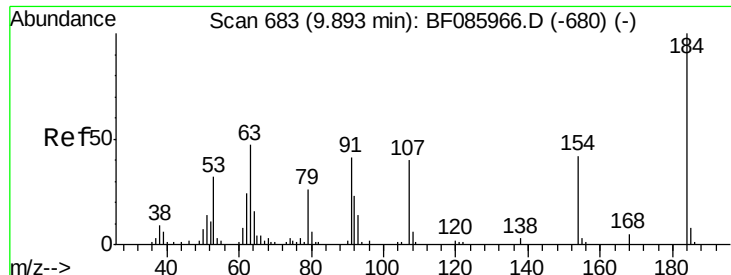


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

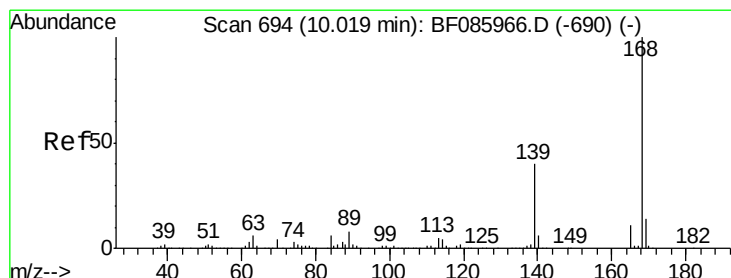
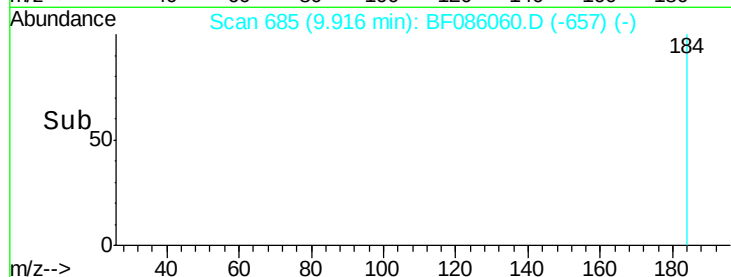
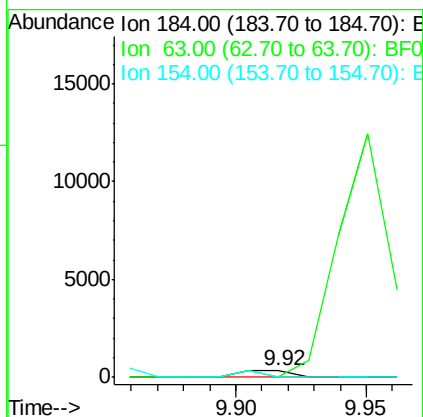
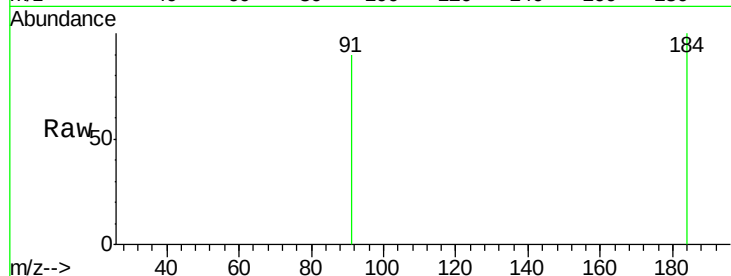




#53  
 2,4-Dinitrophenol  
 Concen: 2.39 ng  
 RT: 9.92 min Scan# 685  
 Delta R.T. 0.02 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

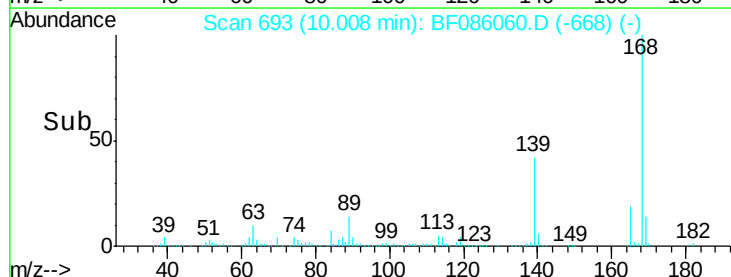
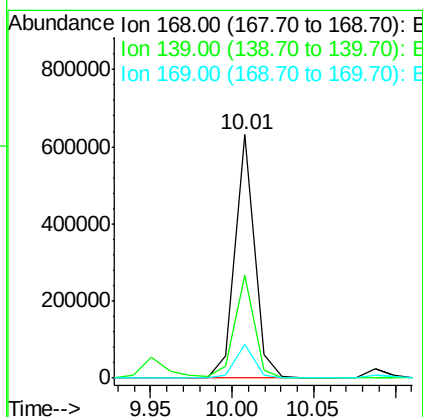
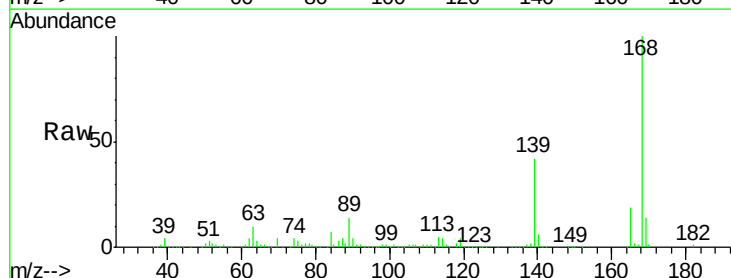
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

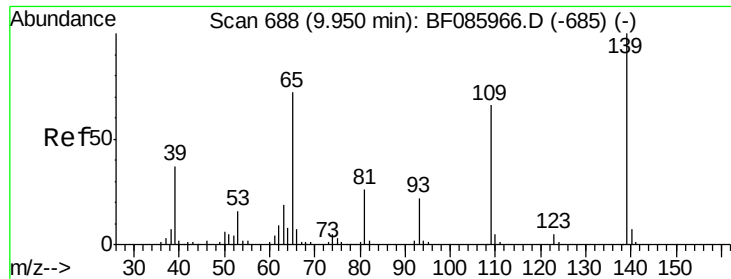
Tgt Ion:184 Resp: 469  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 69.5 104.3#  
 154 0.0 58.3 87.5#



#54  
 Dibenzofuran  
 Concen: 36.54 ng  
 RT: 10.01 min Scan# 693  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion:168 Resp: 517351  
 Ion Ratio Lower Upper  
 168 100  
 139 42.2 31.9 47.9  
 169 13.6 11.0 16.6

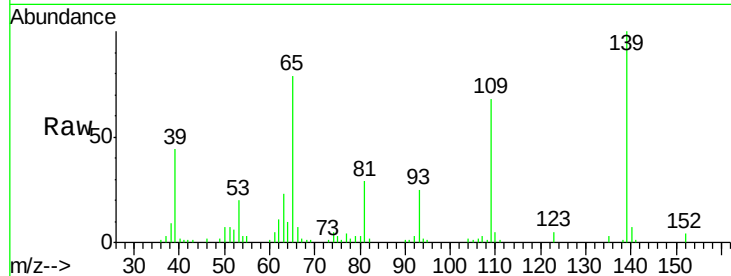




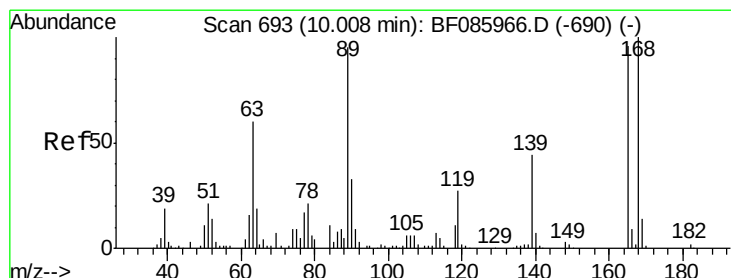
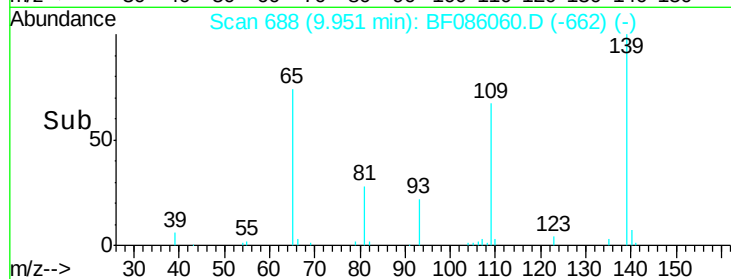
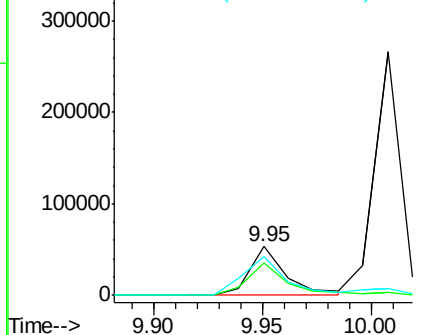
#55  
4-Nitrophenol  
Concen: 30.72 ng  
RT: 9.95 min Scan# 688  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:139 Resp: 61631  
Ion Ratio Lower Upper  
139 100  
109 67.9 49.2 89.2  
65 79.3 66.9 106.9

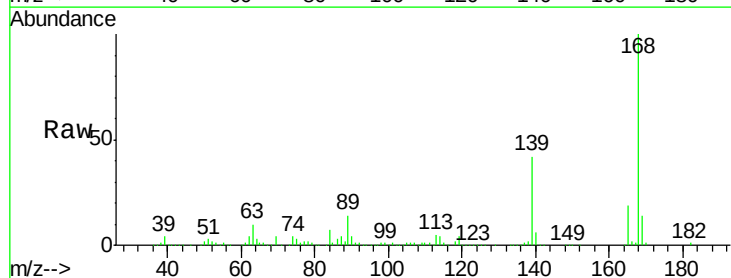


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

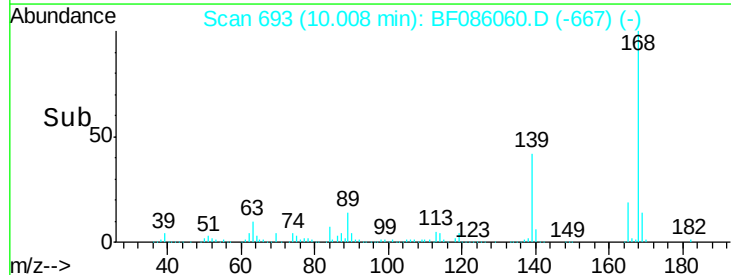
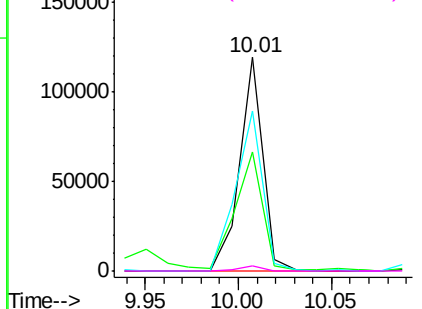


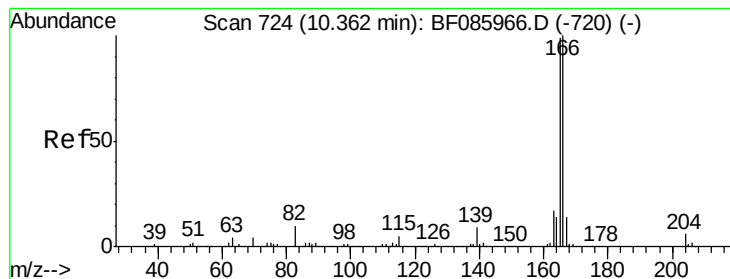
#56  
2,4-Dinitrotoluene  
Concen: 29.10 ng  
RT: 10.01 min Scan# 693  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion:165 Resp: 103827  
Ion Ratio Lower Upper  
165 100  
63 55.5 24.9 37.3#  
89 74.9 41.0 61.6#  
182 2.7 2.1 3.1



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: 36.52 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

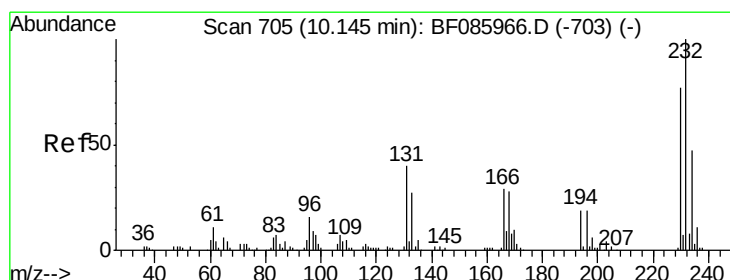
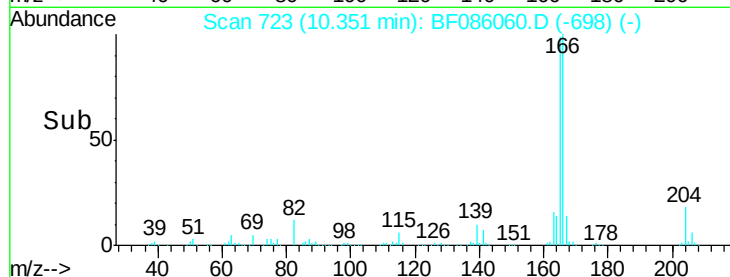
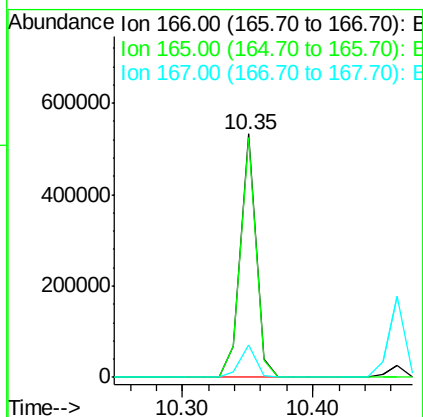
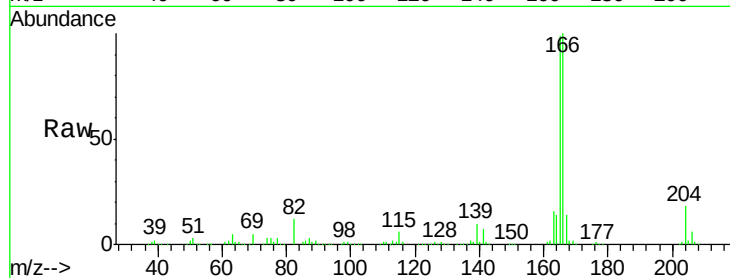
Tgt Ion:166 Resp: 441639

Ion Ratio Lower Upper

166 100

165 98.7 79.4 119.0

167 13.5 11.0 16.4



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.83 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Tgt Ion:232 Resp: 91492

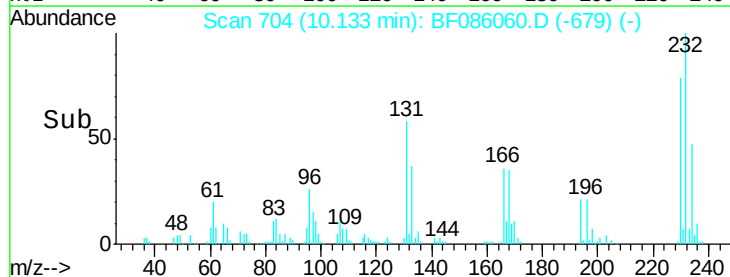
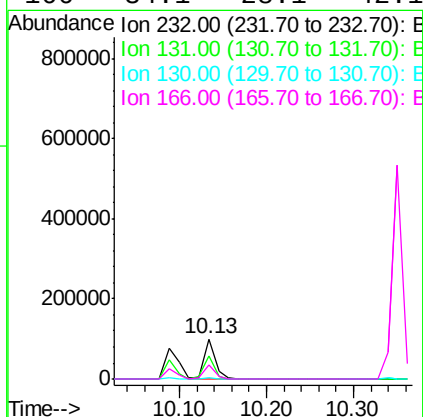
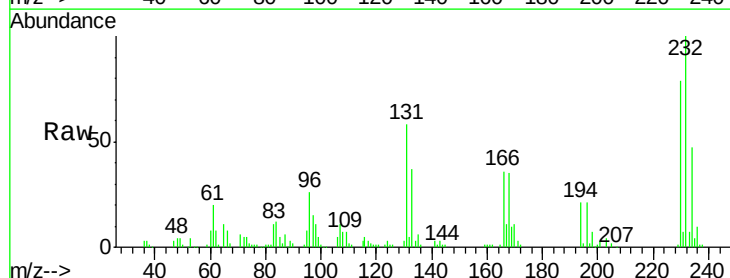
Ion Ratio Lower Upper

232 100

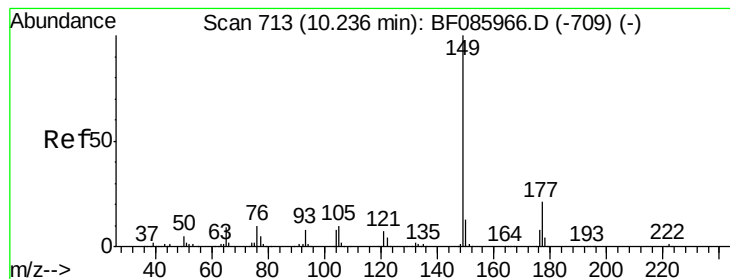
131 55.0 44.9 67.3

130 2.9 2.3 3.5

166 34.1 28.1 42.1







#59

Diethylphthalate

Concen: 37.93 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

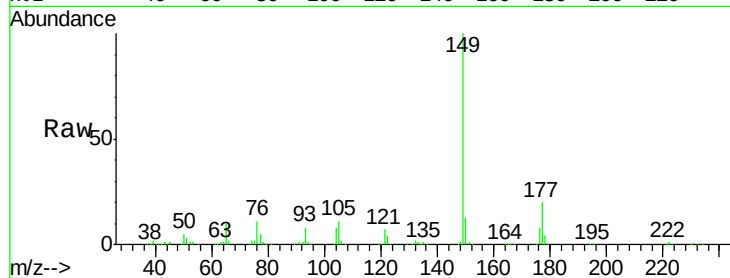
Tgt Ion:149 Resp: 510870

Ion Ratio Lower Upper

149 100

177 20.2 17.9 26.9

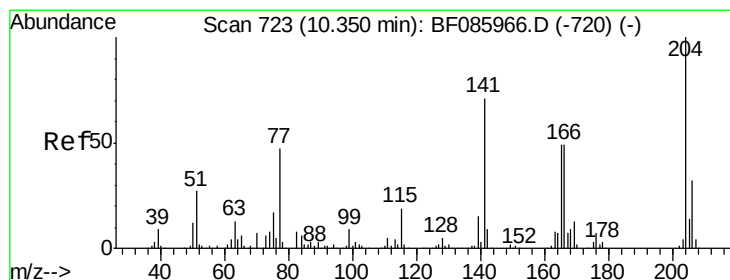
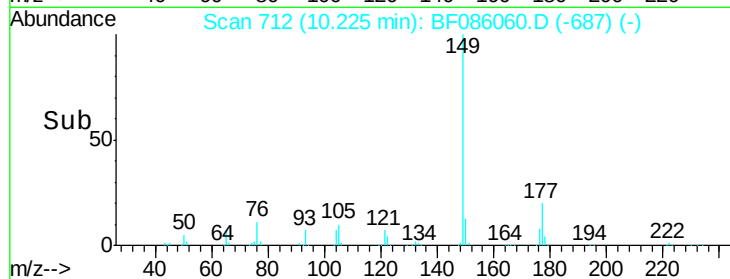
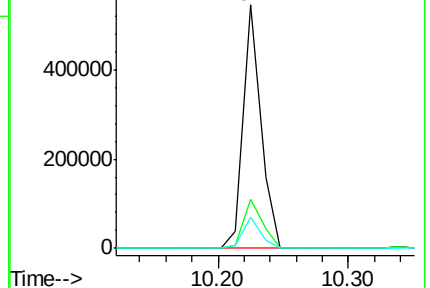
150 12.8 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 36.39 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

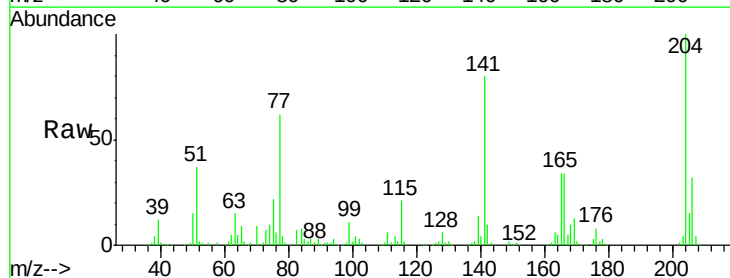
Tgt Ion:204 Resp: 205023

Ion Ratio Lower Upper

204 100

206 32.4 26.6 39.8

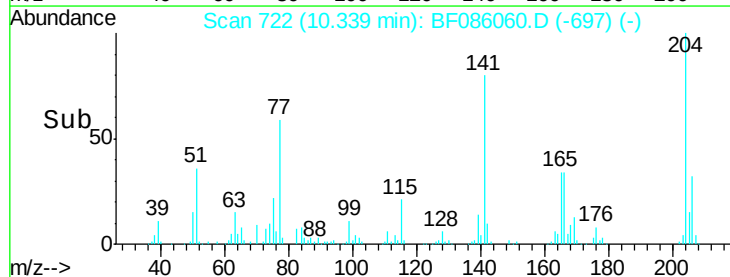
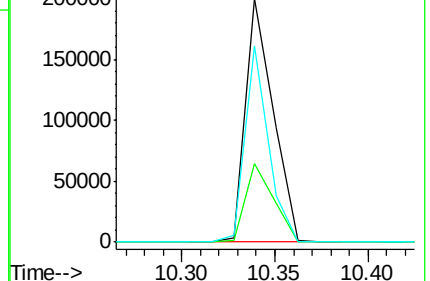
141 80.4 57.4 86.0

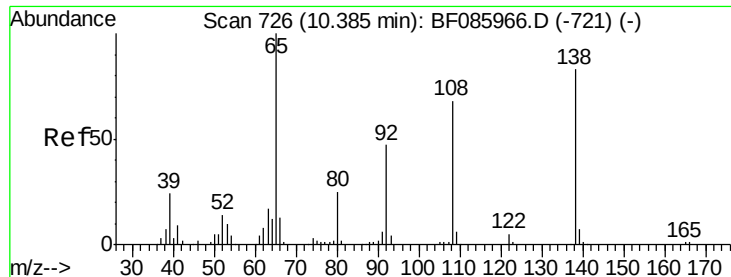


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

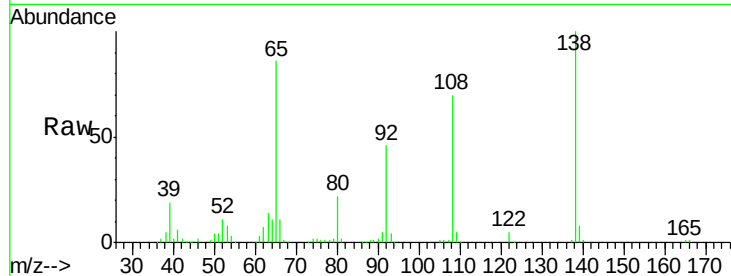




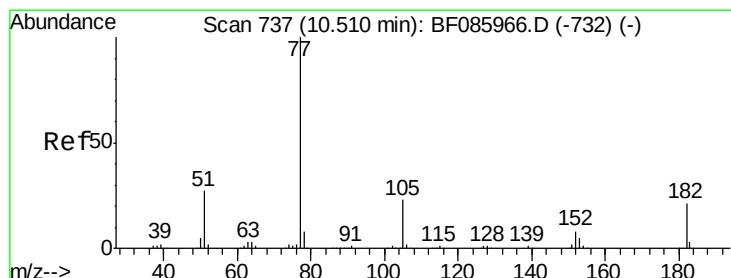
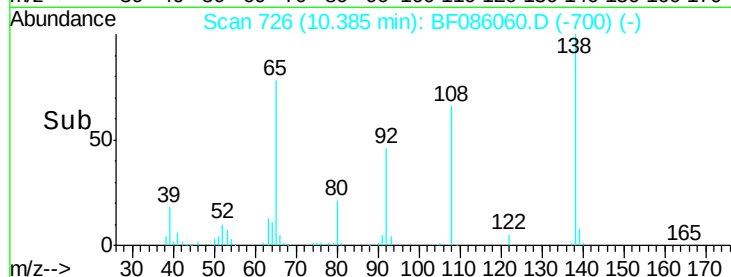
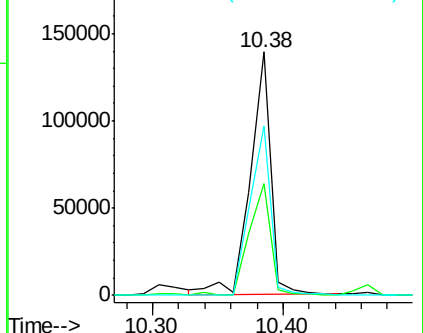
#61  
4-Nitroaniline  
Concen: 44.98 ng  
RT: 10.38 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:138 Resp: 150733  
Ion Ratio Lower Upper  
138 100  
92 45.8 26.4 66.4  
108 69.7 49.0 89.0

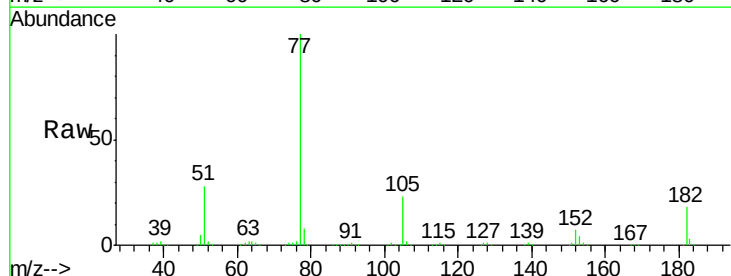


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

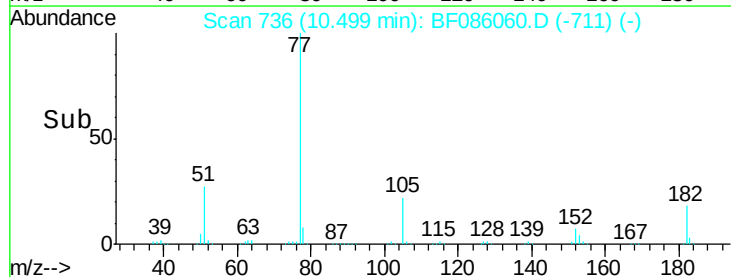
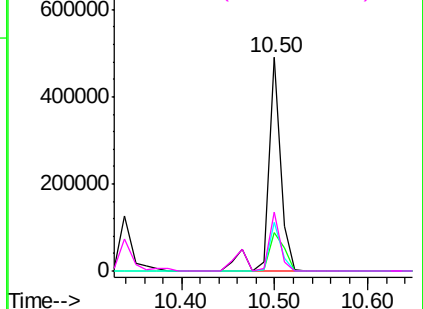


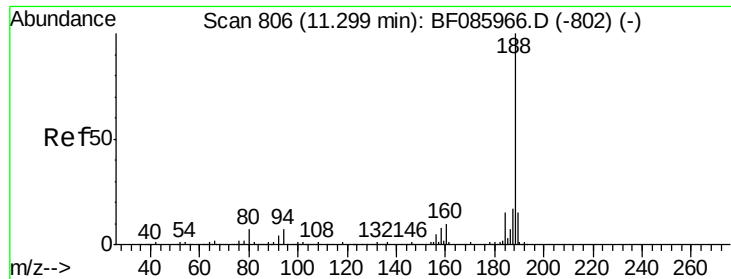
#62  
Azobenzene  
Concen: 36.58 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 77 Resp: 471924  
Ion Ratio Lower Upper  
77 100  
182 18.1 1.9 41.9  
105 22.5 3.5 43.5  
51 27.5 6.3 46.3



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

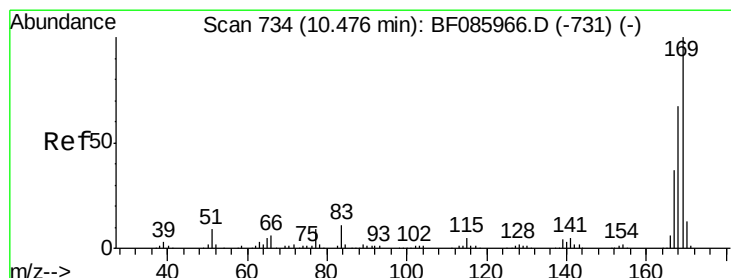
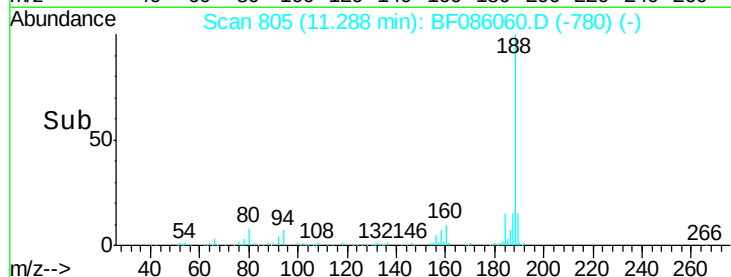
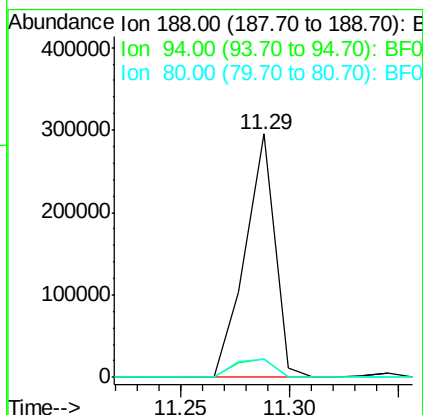
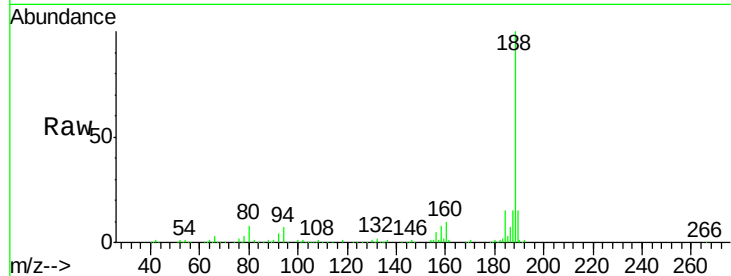




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.29 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

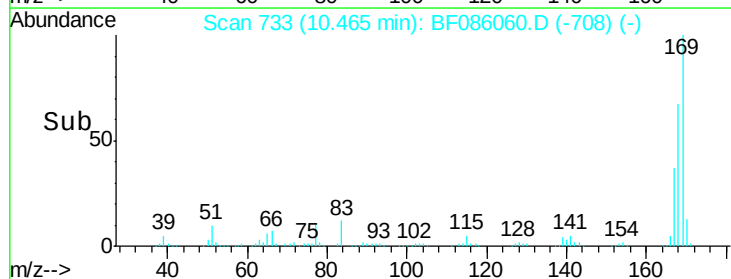
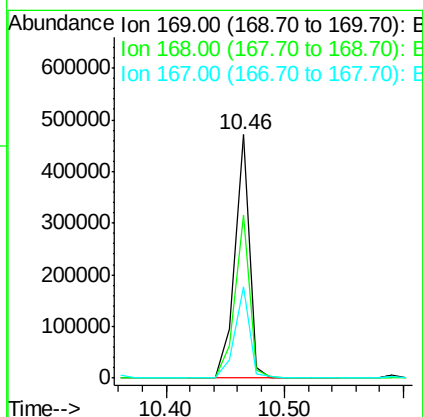
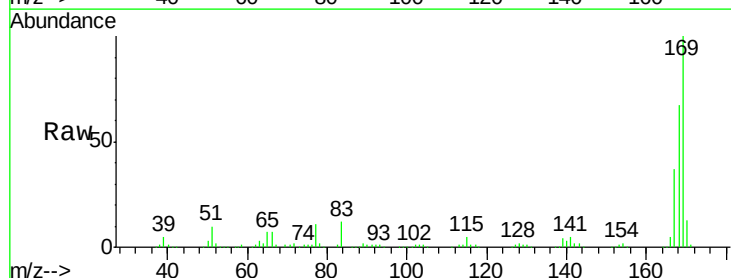
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

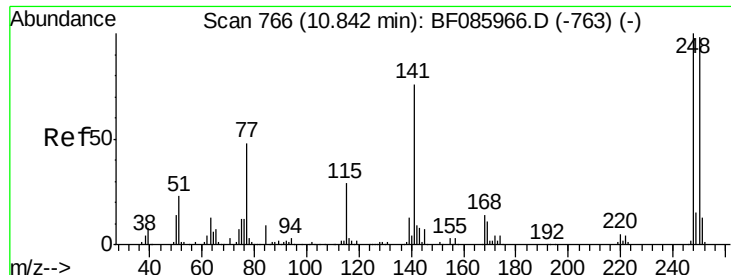
Tgt Ion:188 Resp: 281352  
Ion Ratio Lower Upper  
188 100  
94 7.4 5.4 8.0  
80 7.8 5.5 8.3



#65  
n-Nitrosodiphenylamine  
Concen: 45.86 ng  
RT: 10.46 min Scan# 733  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion:169 Resp: 403492  
Ion Ratio Lower Upper  
169 100  
168 67.0 54.4 81.6  
167 37.5 29.4 44.0

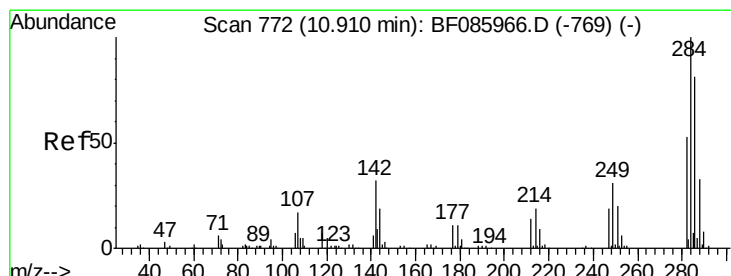
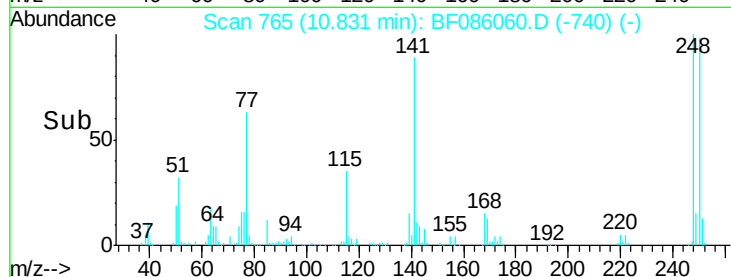
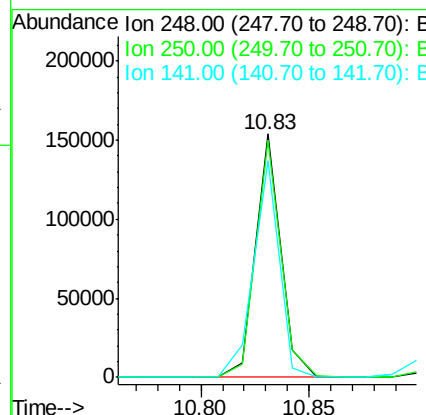
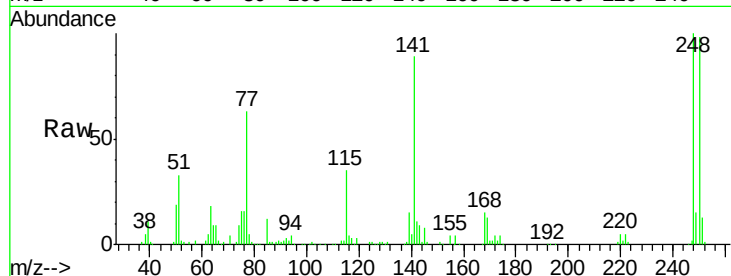




#66  
4-Bromophenyl-phenylether  
Concen: 43.05 ng  
RT: 10.83 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

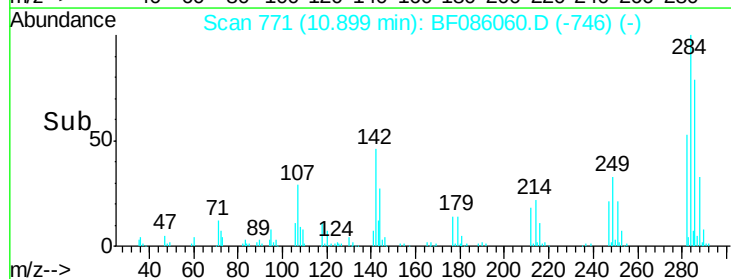
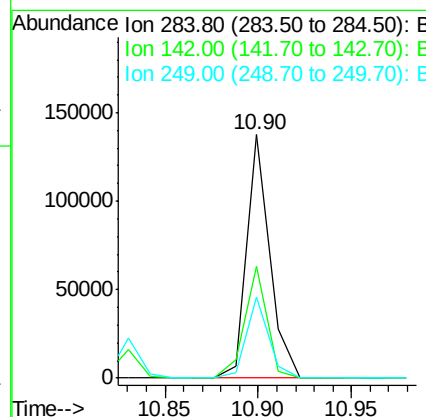
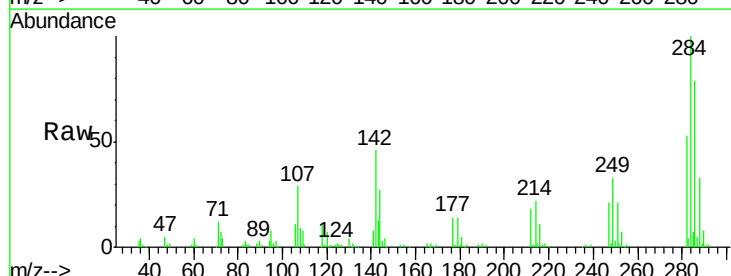
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

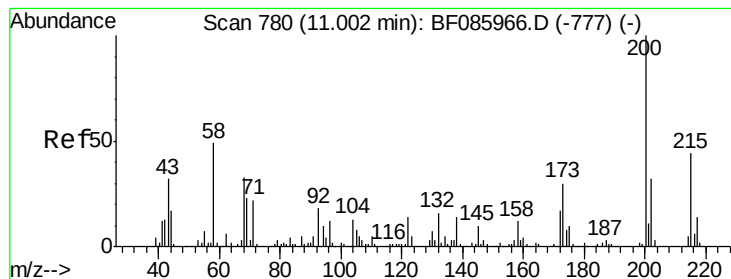
Tgt Ion: 248 Resp: 123650  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.4 116.0  
141 89.2 63.6 95.4



#67  
Hexachlorobenzene  
Concen: 39.87 ng  
RT: 10.90 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 284 Resp: 118422  
Ion Ratio Lower Upper  
284 100  
142 46.1 23.1 34.7#  
249 33.2 24.2 36.2





#68

Atrazine

Concen: 31.23 ng

RT: 10.99 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

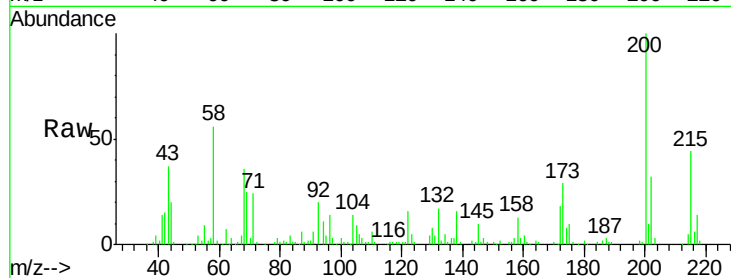
Tgt Ion:200 Resp: 88792

Ion Ratio Lower Upper

200 100

173 29.3 7.7 47.7

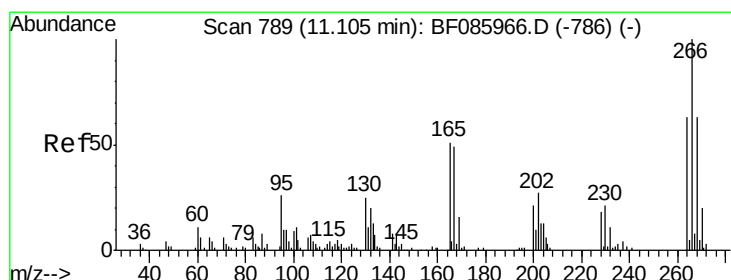
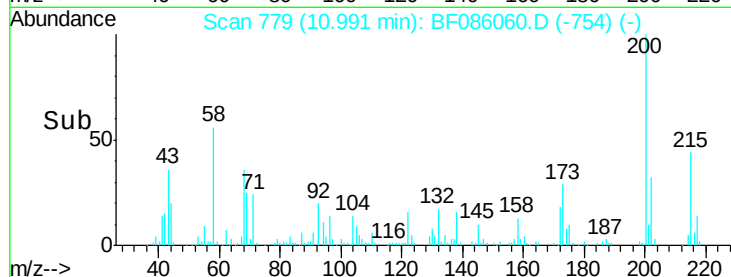
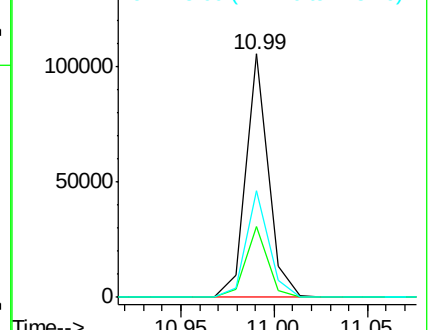
215 44.0 25.4 65.4



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: 36.48 ng

RT: 11.10 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

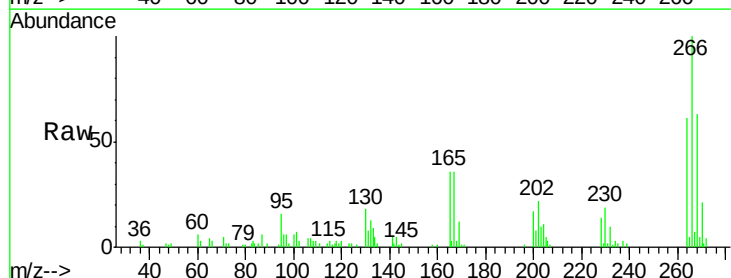
Tgt Ion:266 Resp: 50784

Ion Ratio Lower Upper

266 100

268 62.6 51.5 77.3

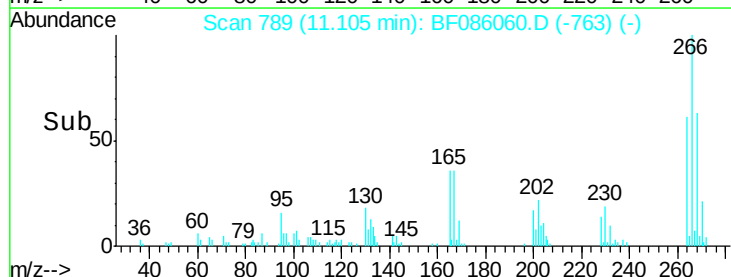
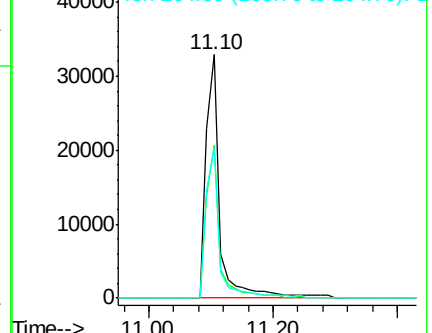
264 61.4 50.6 76.0

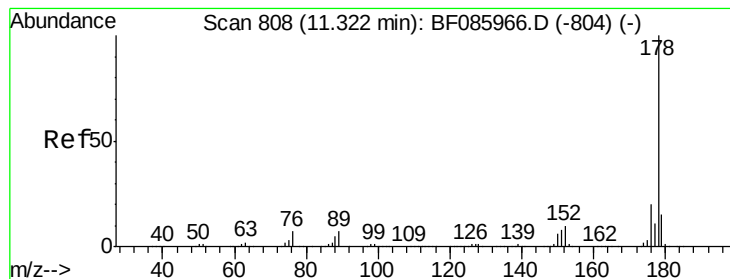


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 40.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

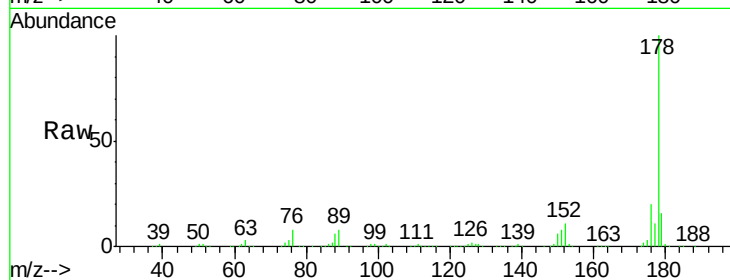
Tgt Ion:178 Resp: 613928

Ion Ratio Lower Upper

178 100

176 20.2 16.3 24.5

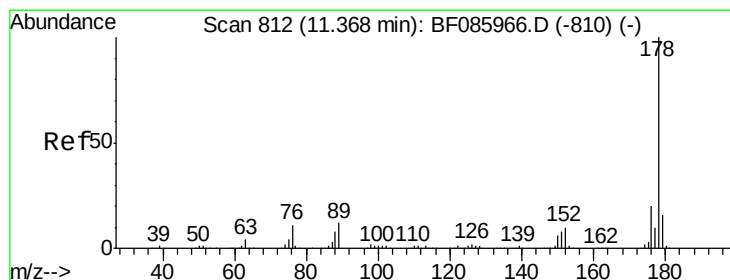
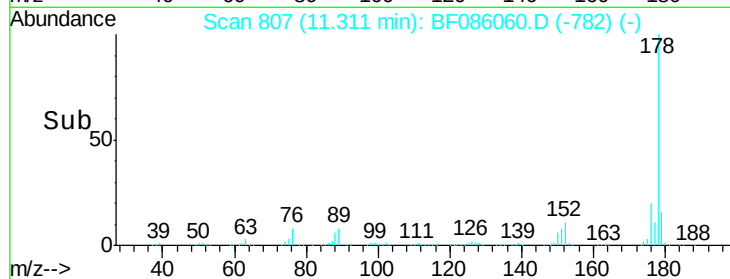
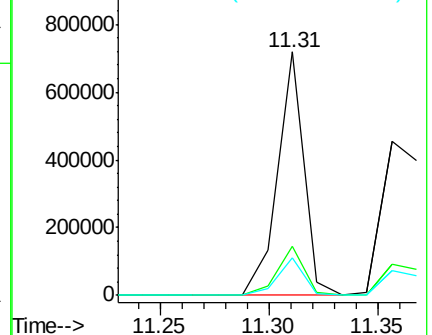
179 15.6 12.6 18.8



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: 37.37 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

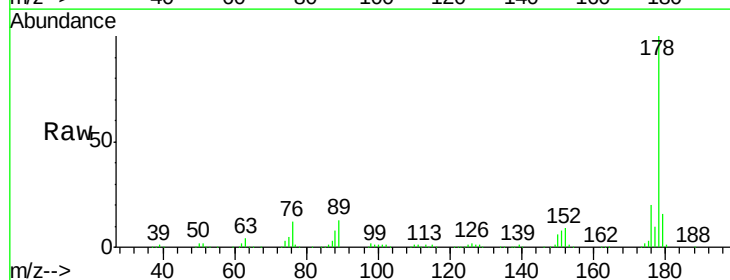
Tgt Ion:178 Resp: 600837

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

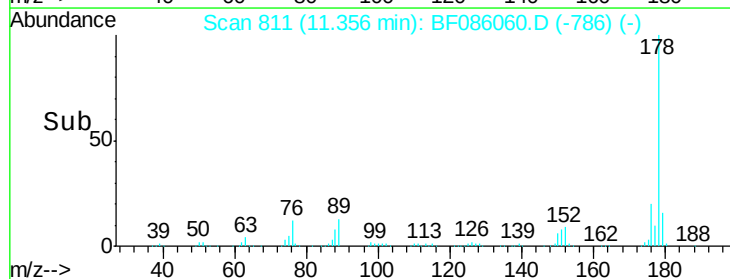
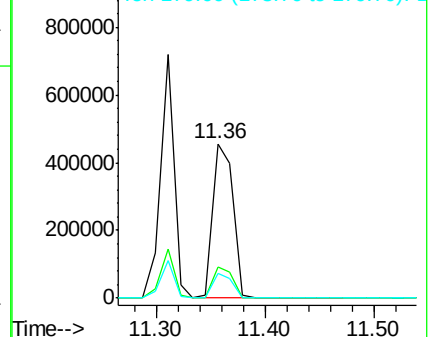
179 15.9 13.0 19.4

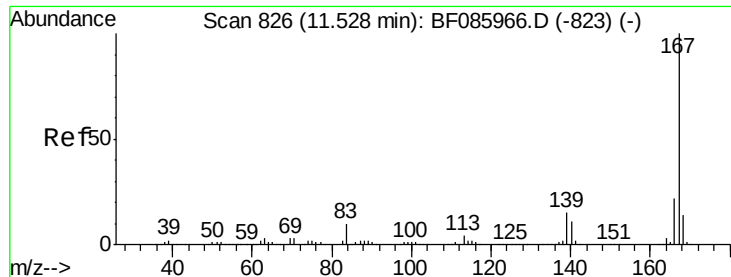


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

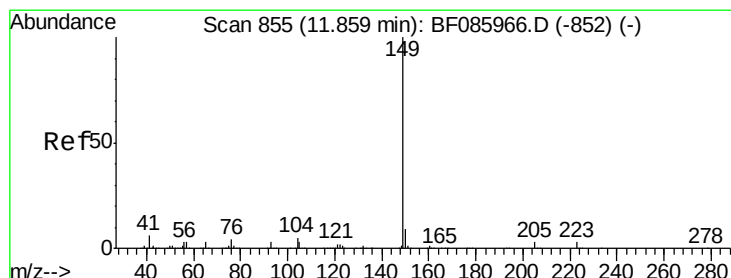
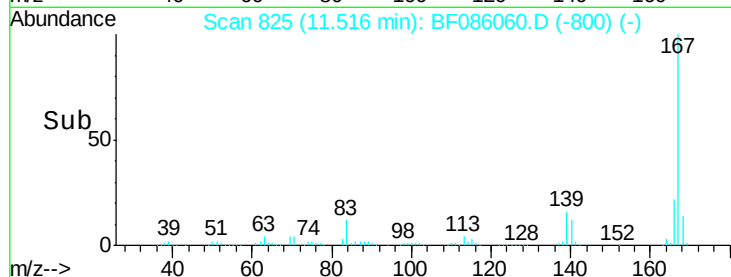
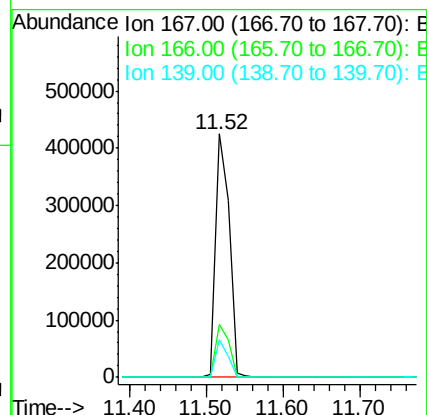
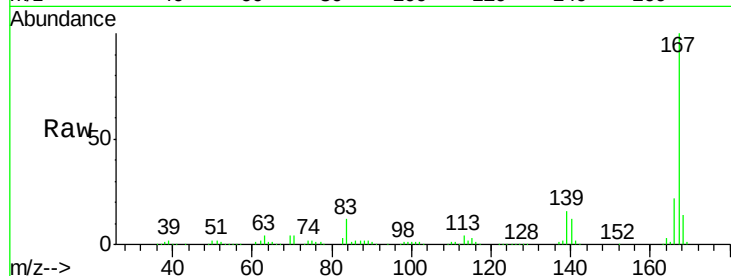




#72  
 Carbazole  
 Concen: 37.35 ng  
 RT: 11.52 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

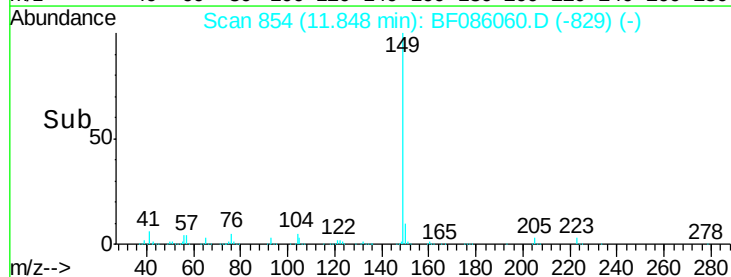
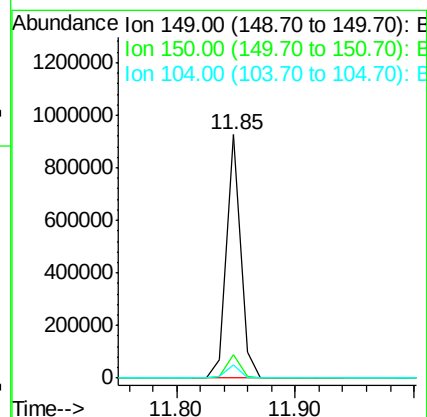
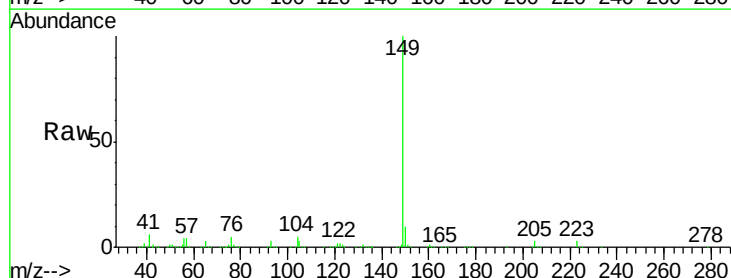
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDC040

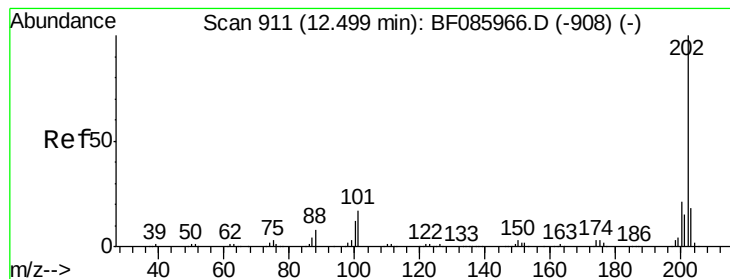
Tgt Ion:167 Resp: 516259  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.8 26.8  
 139 15.5 11.6 17.4



#73  
 Di-n-butylphthalate  
 Concen: 43.93 ng  
 RT: 11.85 min Scan# 854  
 Delta R.T. -0.01 min  
 Lab File: BF086060.D  
 Acq: 5 Apr 2016 3:16

Tgt Ion:149 Resp: 752396  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.6 11.4  
 104 5.2 3.8 5.8





#74

Fluoranthene

Concen: 38.50 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

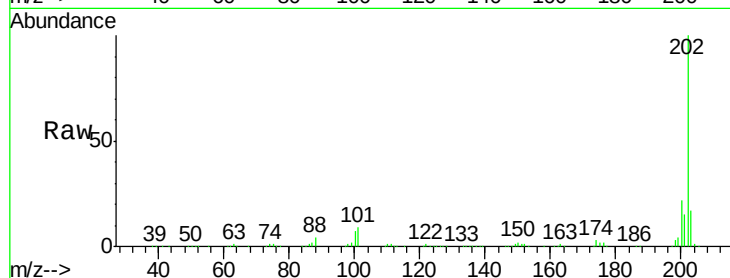
Tgt Ion:202 Resp: 614683

Ion Ratio Lower Upper

202 100

101 9.4 0.0 36.6

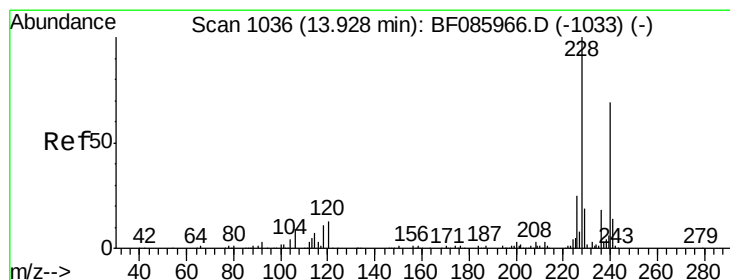
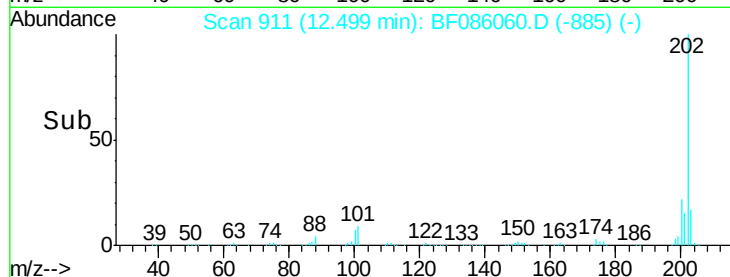
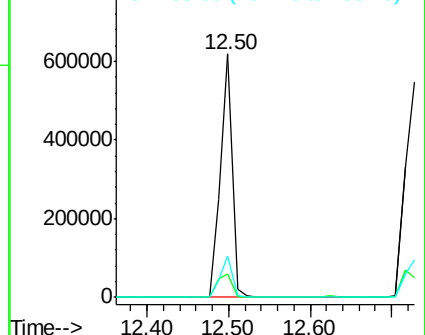
203 17.2 0.0 38.1



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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

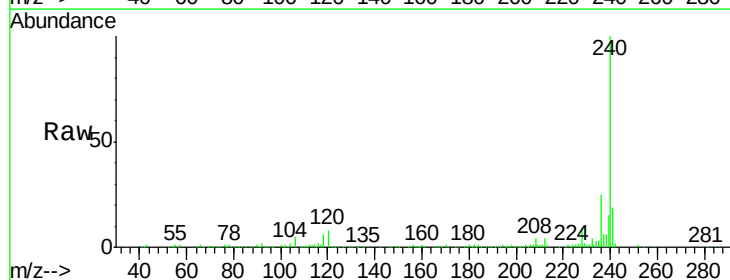
Tgt Ion:240 Resp: 216315

Ion Ratio Lower Upper

240 100

120 7.8 13.8 20.8#

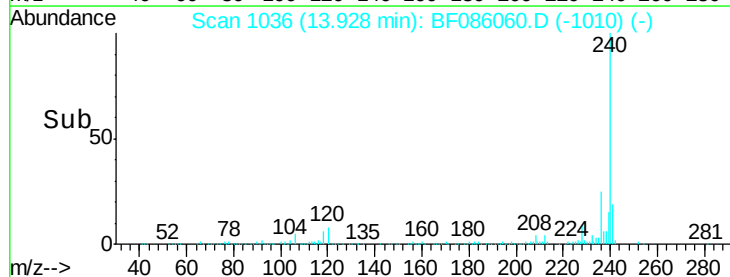
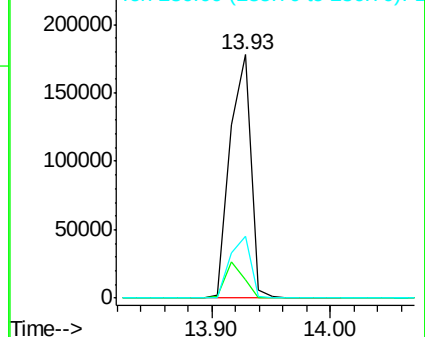
236 25.2 20.6 30.8



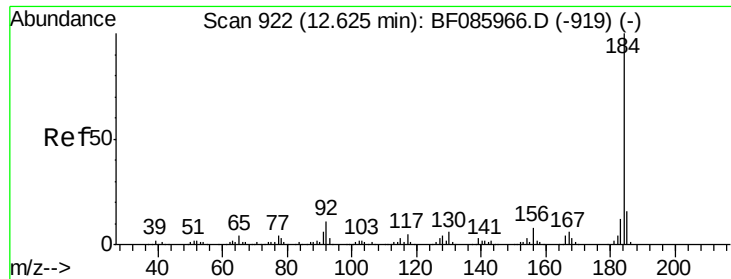
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



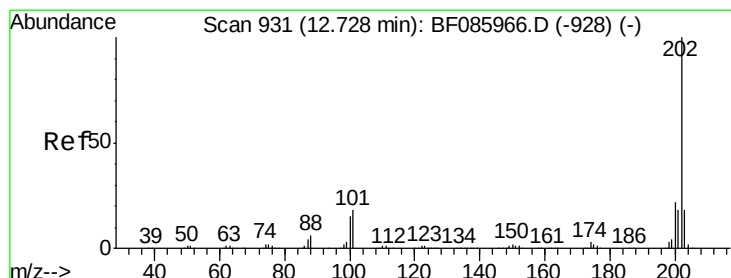
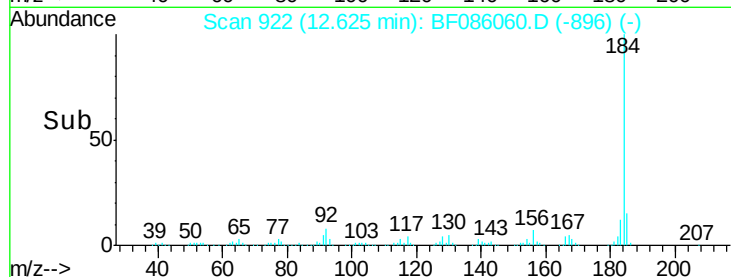
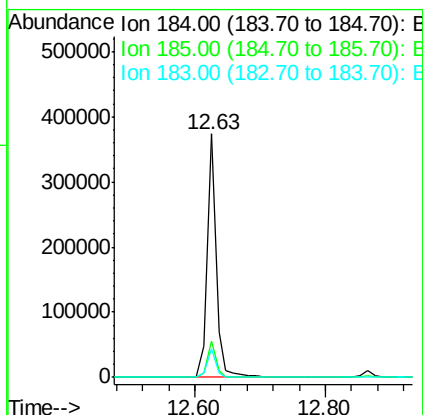
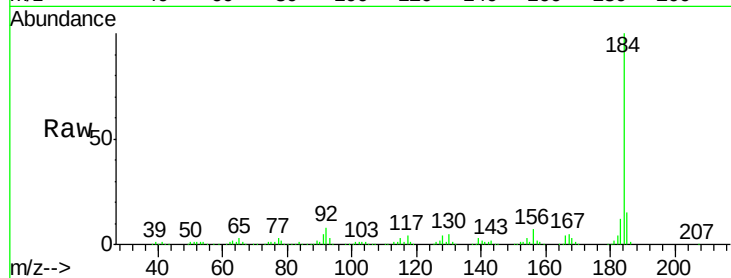




#76  
Benzidine  
Concen: 47.08 ng  
RT: 12.63 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

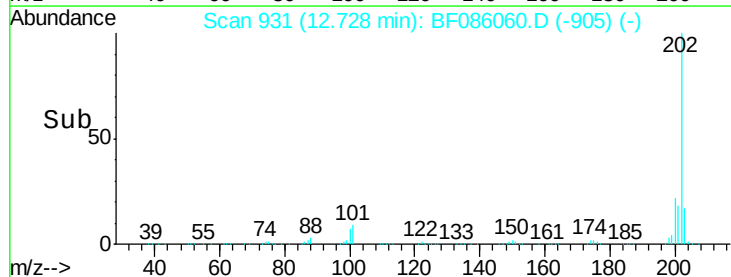
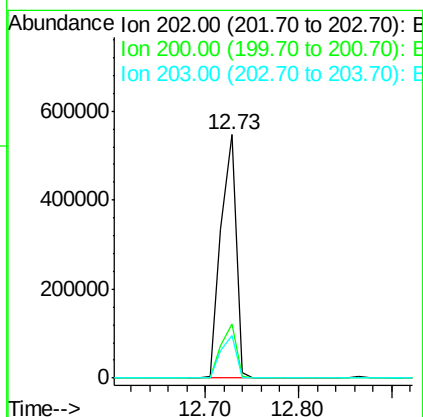
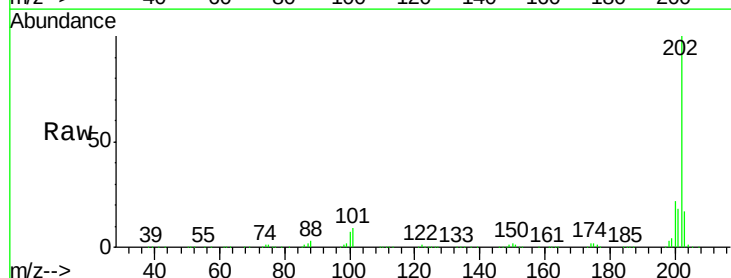
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

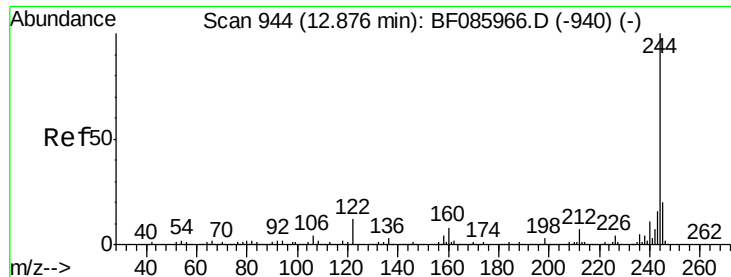
Tgt Ion:184 Resp: 359337  
Ion Ratio Lower Upper  
184 100  
185 14.7 12.4 18.6  
183 11.6 9.4 14.2



#77  
Pyrene  
Concen: 40.64 ng  
RT: 12.73 min Scan# 931  
Delta R.T. 0.00 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion:202 Resp: 619539  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.6 26.4  
203 17.4 14.0 21.0





#78

Terphenyl-d14

Concen: 77.53 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

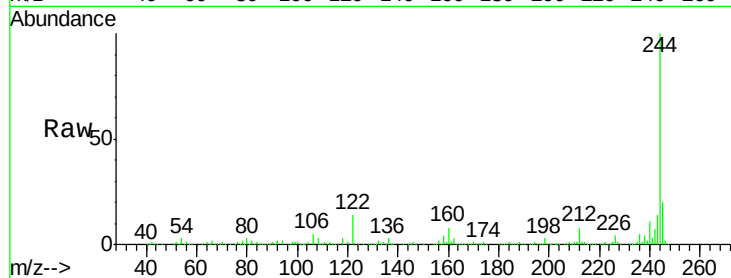
Tgt Ion:244 Resp: 713496

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

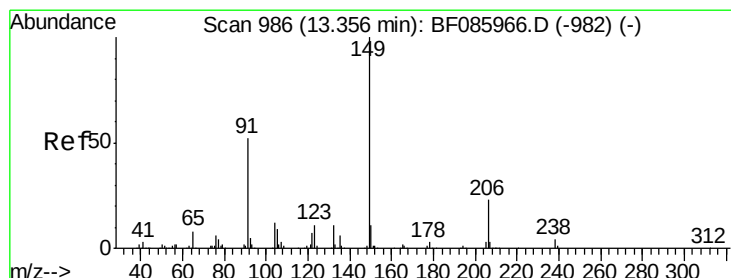
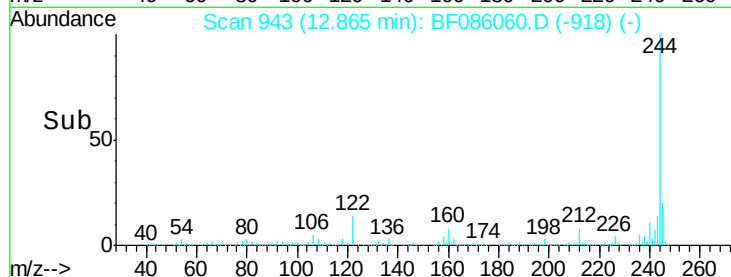
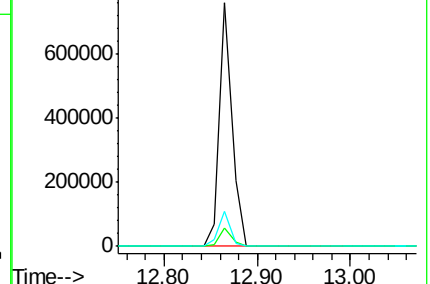
122 14.2 10.2 15.4



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: 45.02 ng

RT: 13.35 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

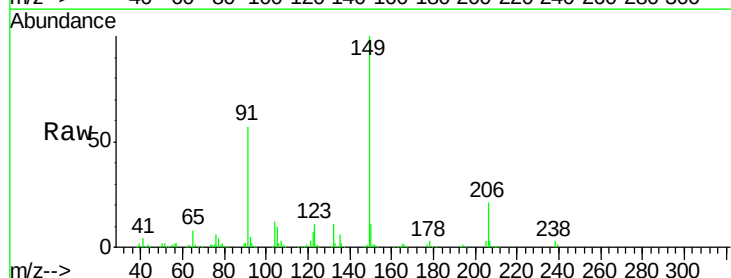
Tgt Ion:149 Resp: 309016

Ion Ratio Lower Upper

149 100

91 56.8 45.8 68.8

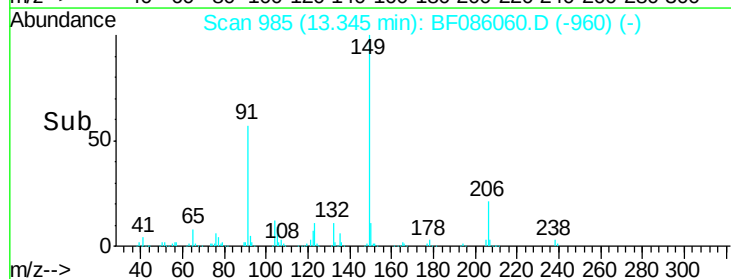
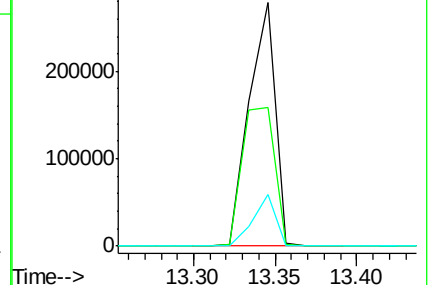
206 21.1 17.8 26.8

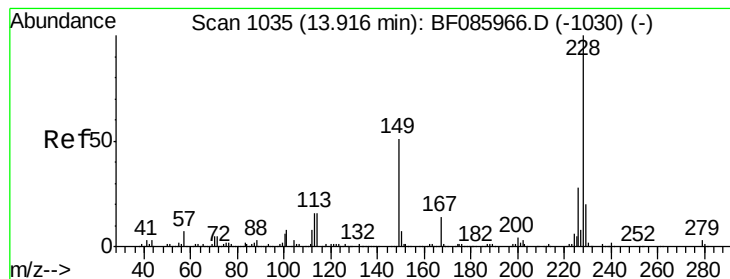


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 38.94 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

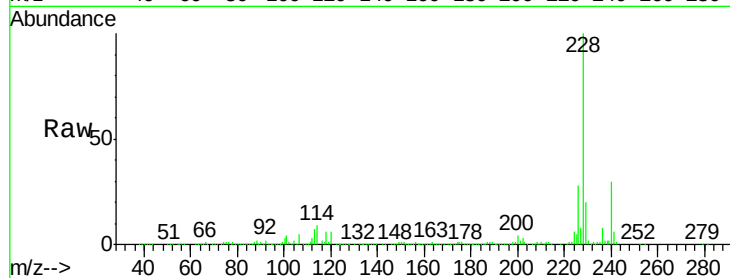
Tgt Ion:228 Resp: 496582

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

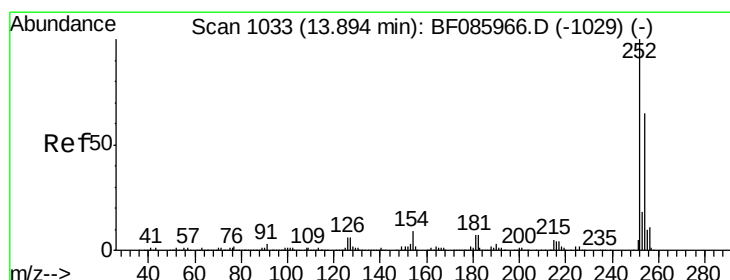
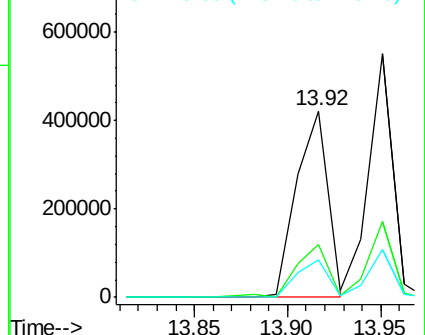
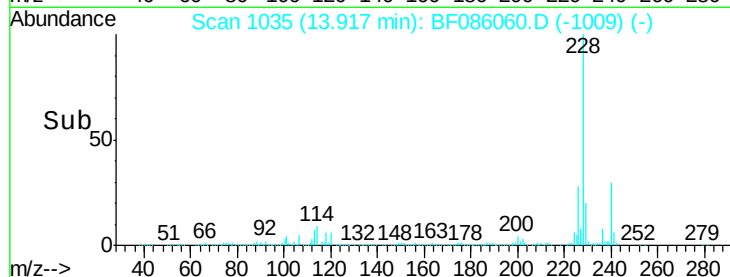
229 19.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 45.26 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

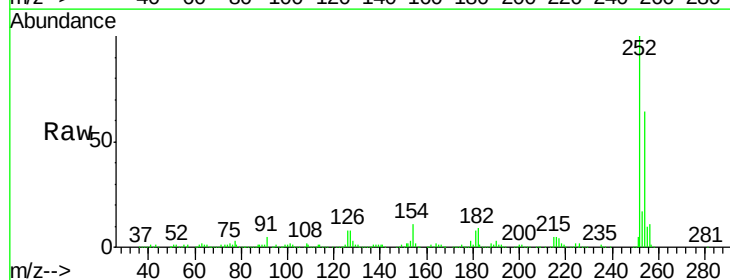
Tgt Ion:252 Resp: 421540

Ion Ratio Lower Upper

252 100

254 64.4 50.7 76.1

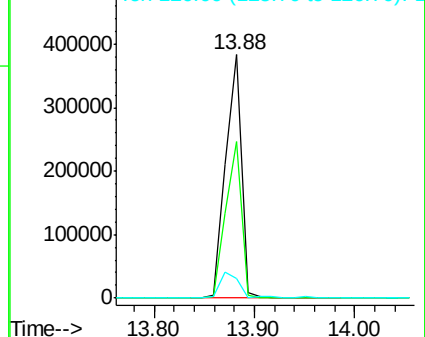
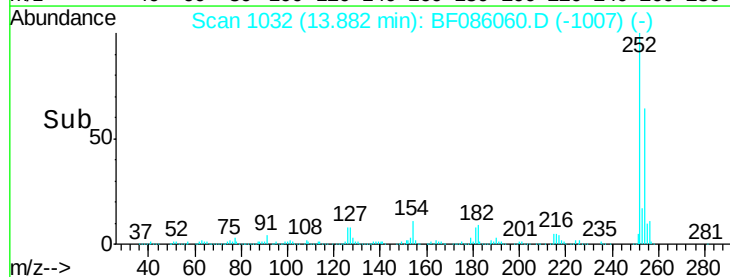
126 8.0 11.8 17.6#

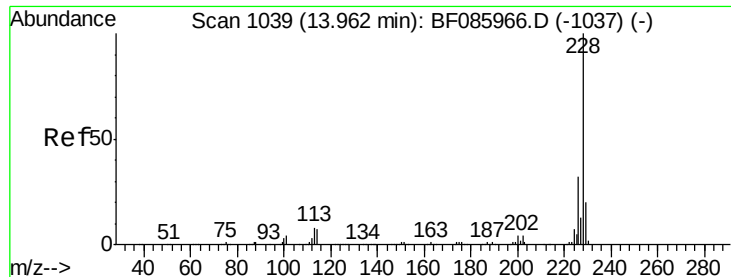


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 40.02 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

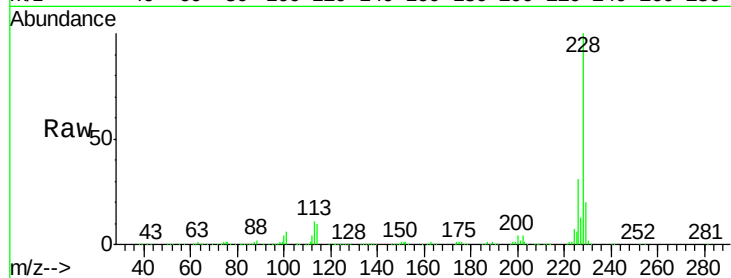
Tgt Ion:228 Resp: 491551

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

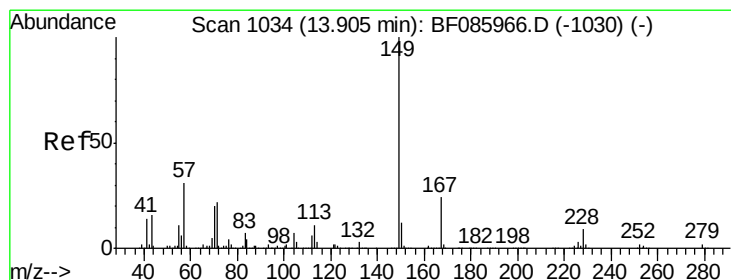
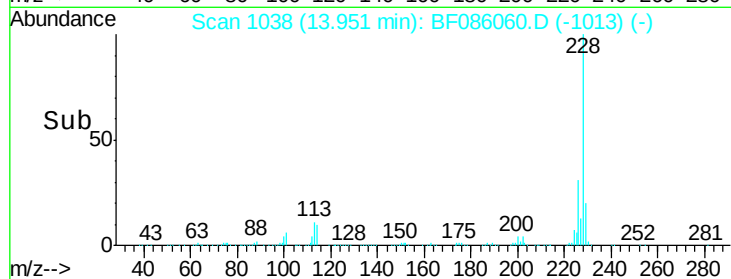
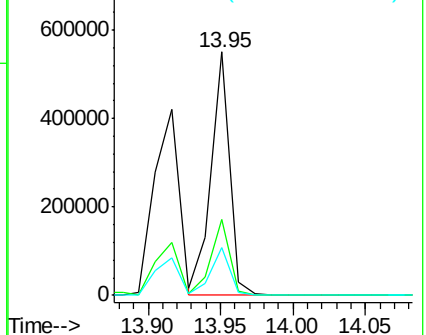
229 19.6 15.7 23.5



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: 45.94 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

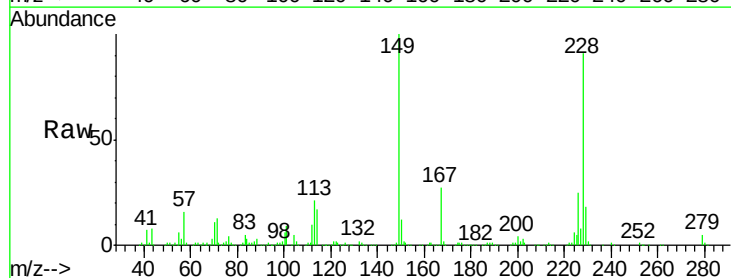
Tgt Ion:149 Resp: 418466

Ion Ratio Lower Upper

149 100

167 27.0 19.4 29.2

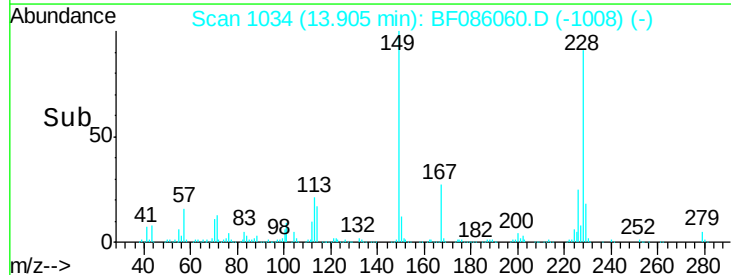
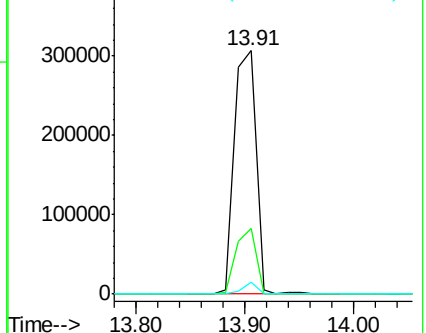
279 5.1 1.5 2.3#

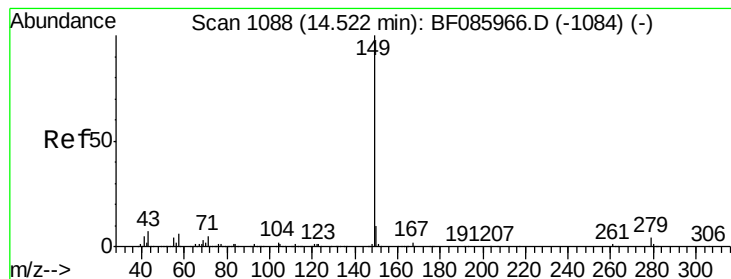


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 48.83 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

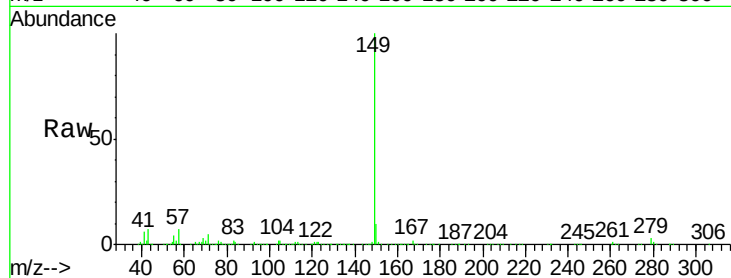
Tgt Ion:149 Resp: 710312

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

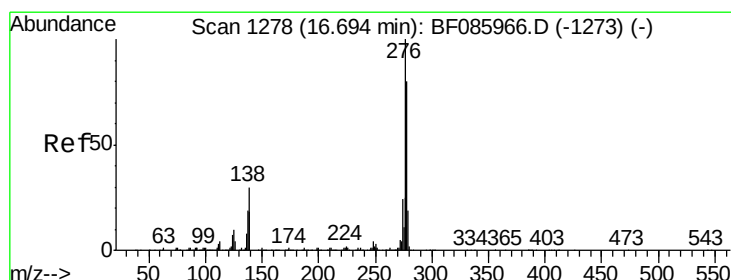
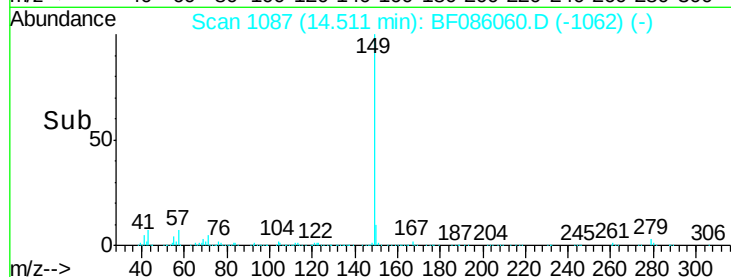
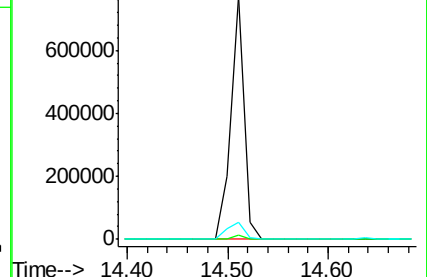
43 8.7 7.1 10.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 36.87 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

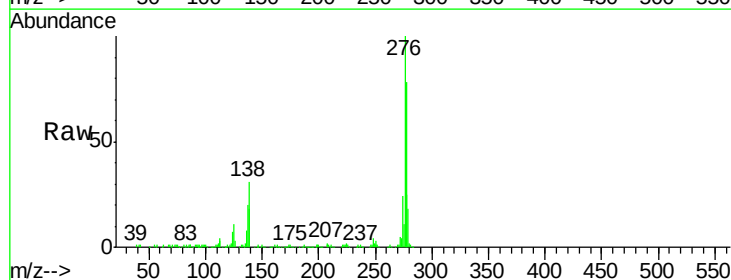
Tgt Ion:276 Resp: 367434

Ion Ratio Lower Upper

276 100

138 28.8 24.2 36.4

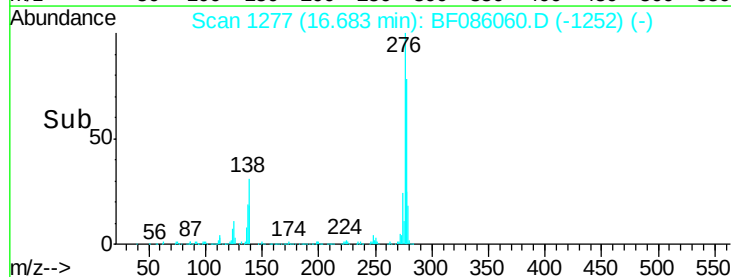
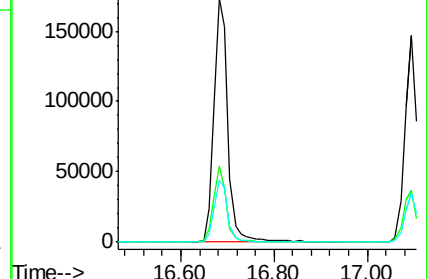
277 25.0 20.0 30.0

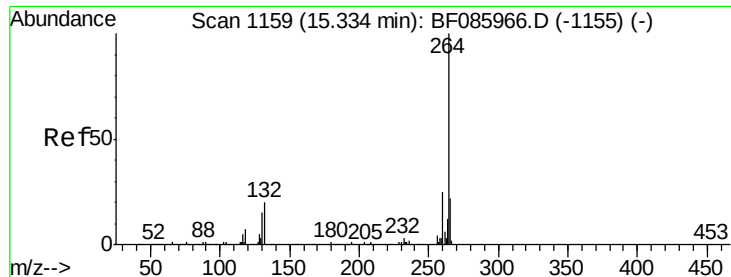


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

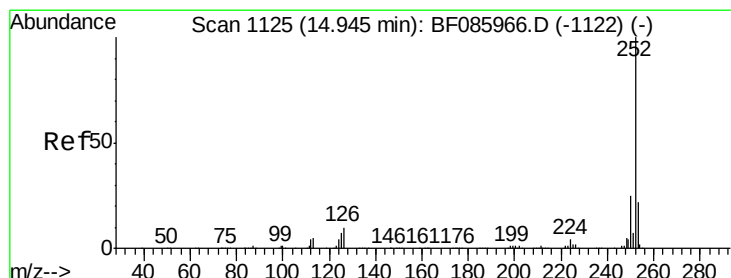
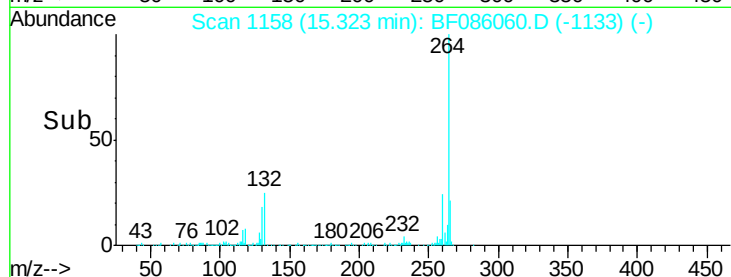
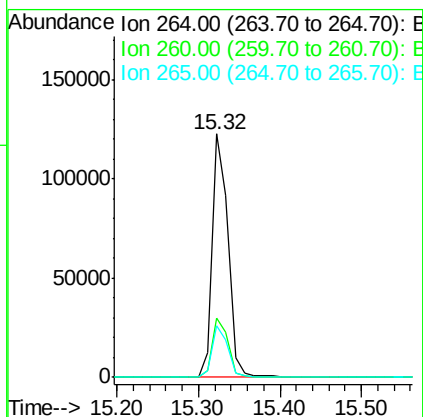
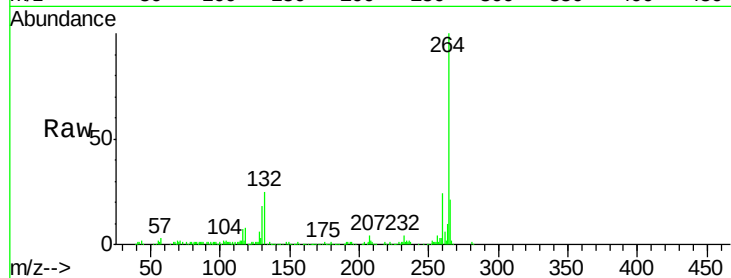




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.32 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

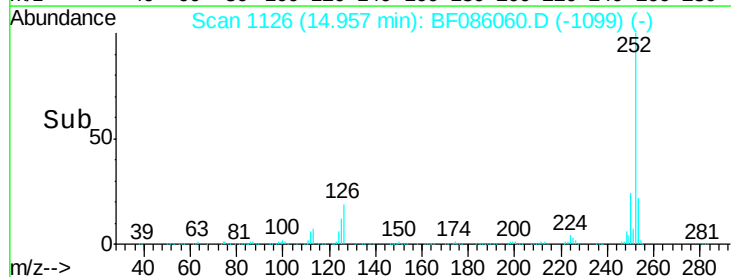
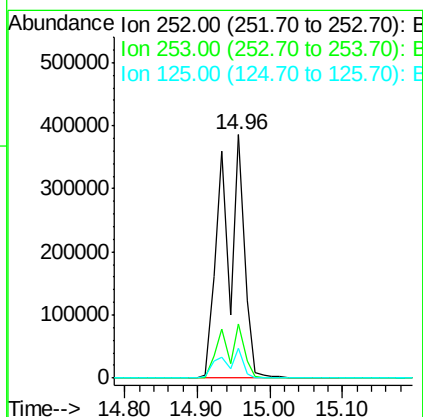
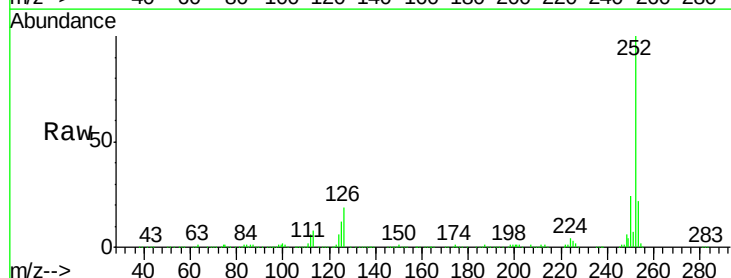
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

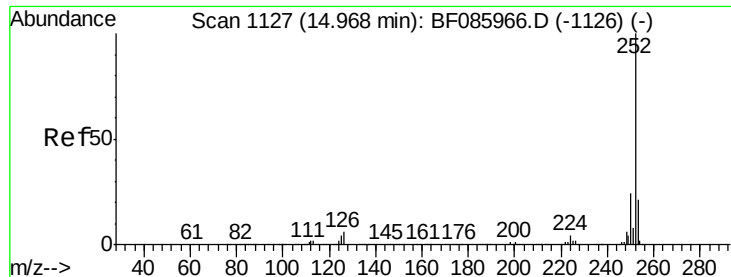
Tgt Ion: 264 Resp: 166866  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.4 29.2  
265 21.3 17.2 25.8



#87  
Benzo(b)fluoranthene  
Concen: 75.77 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 252 Resp: 795316  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 12.2 10.3 15.5

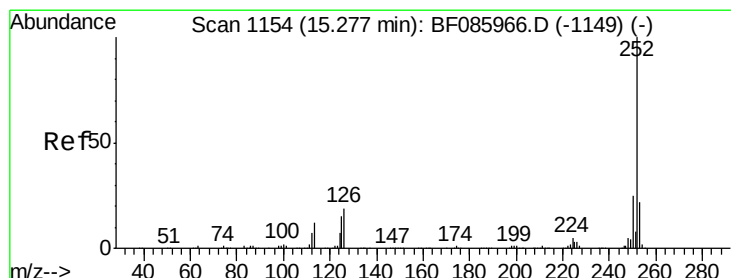
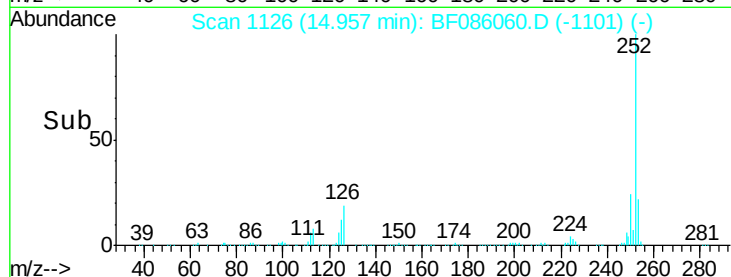
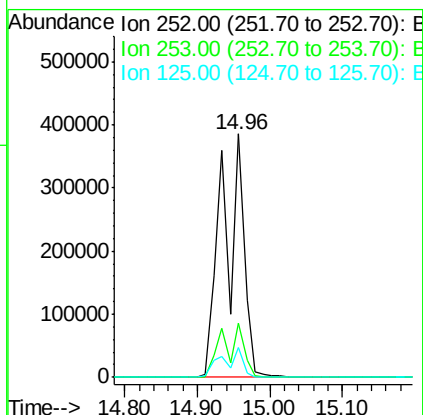
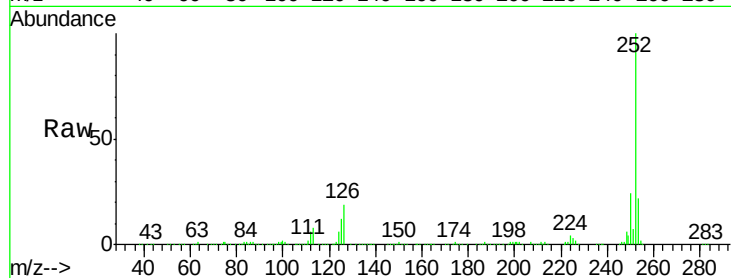




#88  
Benzo(k)fluoranthene  
Concen: 85.56 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

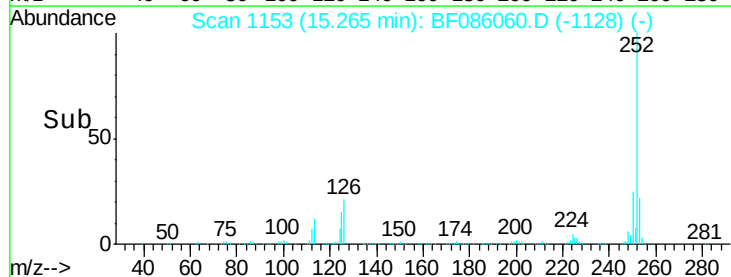
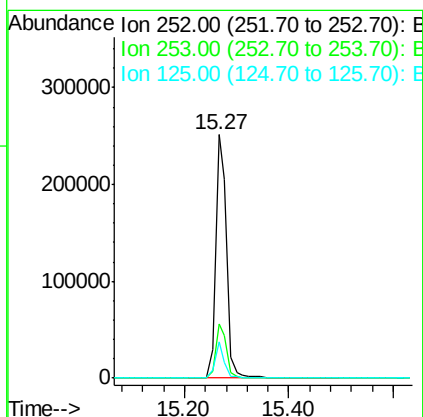
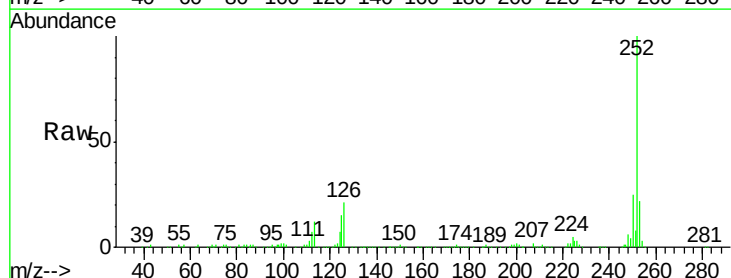
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

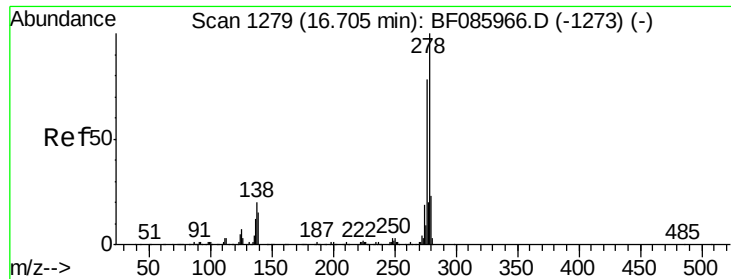
Tgt Ion: 252 Resp: 795316  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 12.2 7.7 11.5#



#89  
Benzo(a)pyrene  
Concen: 38.94 ng  
RT: 15.27 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF086060.D  
Acq: 5 Apr 2016 3:16

Tgt Ion: 252 Resp: 362204  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.0  
125 14.8 10.3 15.5





#90

Dibenzo(a,h)anthracene

Concen: 41.95 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

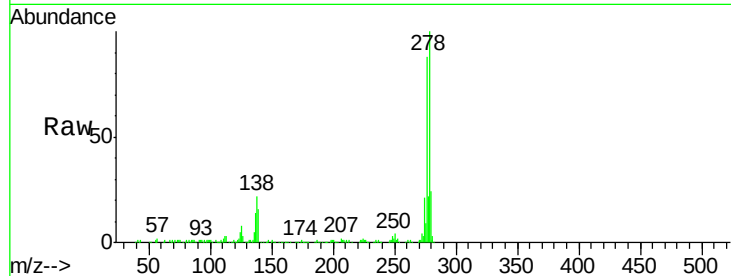
Tgt Ion:278 Resp: 313933

Ion Ratio Lower Upper

278 100

139 16.5 14.4 21.6

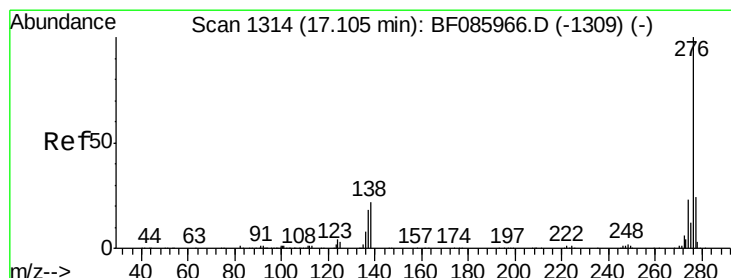
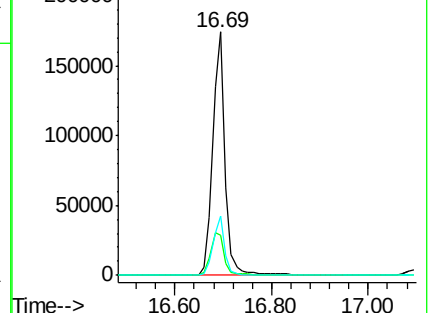
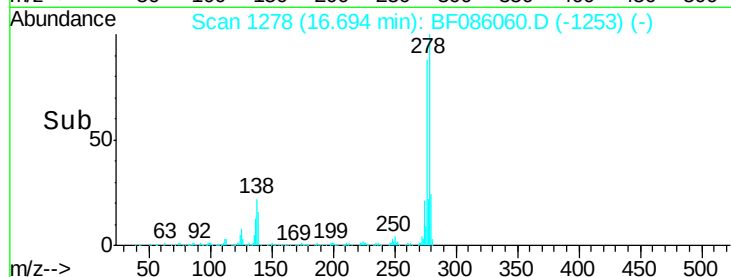
279 24.4 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 40.24 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF086060.D

Acq: 5 Apr 2016 3:16

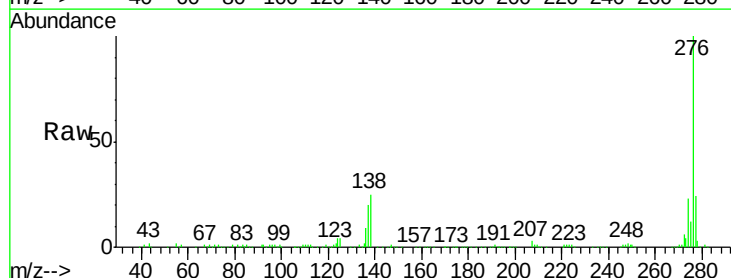
Tgt Ion:276 Resp: 291383

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 25.2 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

