

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\  
 Data File : BF085990.D  
 Acq On : 2 Apr 2016 4:59  
 Operator : UM/SJ  
 Sample : PB89385BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

Quant Time: Apr 02 05:32:12 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 | 6.77  | 152  | 111445   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 441266   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.81  | 164  | 214653   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.29 | 188  | 405429   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.93 | 240  | 341394   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.33 | 264  | 243906   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 558157  | 85.61 | ng | 0.01 |
| 7) Phenol-d6             | 6.42  | 99  | 713148  | 86.11 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 599609  | 80.13 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 181030  | 89.85 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.14  | 172 | 1133428 | 87.79 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.88 | 244 | 1080385 | 74.39 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.37 | 88  | 85758  | 27.74 | ng | 98     |
| 3) Pyridine                    | 3.07 | 79  | 295000 | 42.63 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 113937 | 37.44 | ng | 96     |
| 6) Aniline                     | 6.44 | 93  | 111634 | 10.27 | ng | # 85   |
| 8) 2-Chlorophenol              | 6.56 | 128 | 303318 | 39.01 | ng | 96     |
| 9) Benzaldehyde                | 6.33 | 77  | 53756  | 12.06 | ng | 97     |
| 10) Phenol                     | 6.43 | 94  | 396539 | 41.98 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.51 | 93  | 262921 | 35.15 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.72 | 146 | 306217 | 37.16 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146 | 310903 | 36.62 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.94 | 146 | 294431 | 37.68 | ng | 99     |
| 15) Benzyl Alcohol             | 6.92 | 79  | 197873 | 36.93 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 328301 | 35.92 | ng | 90     |
| 17) 2-Methylphenol             | 7.04 | 107 | 237297 | 38.71 | ng | 97     |
| 18) Hexachloroethane           | 7.28 | 117 | 113299 | 36.28 | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 199623 | 38.89 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 303492 | 40.70 | ng | 91     |
| 22) Acetophenone               | 7.18 | 105 | 391930 | 37.78 | ng | # 93   |
| 24) Nitrobenzene               | 7.36 | 77  | 294565 | 35.98 | ng | 97     |
| 25) Isophorone                 | 7.60 | 82  | 545165 | 36.91 | ng | 100    |
| 26) 2-Nitrophenol              | 7.68 | 139 | 151735 | 38.74 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 265908 | 37.80 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93  | 350240 | 40.41 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 239395 | 40.25 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.01 | 180 | 252531 | 37.83 | ng | 94     |
| 31) Naphthalene                | 8.08 | 128 | 810937 | 36.54 | ng | 99     |
| 32) Benzoic acid               | 7.87 | 122 | 177078 | 34.31 | ng | 98     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 27088  | 3.02  | ng | 99     |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 130963 | 36.49 | ng | 99     |
| 35) Caprolactam                | 8.56 | 113 | 30492  | 16.16 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 274497 | 41.06 | ng | 88     |
| 37) 2-Methylnaphthalene        | 8.77 | 142 | 585584 | 40.39 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 230772 | 35.77 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.92 | 237 | 184621 | 79.31 | ng | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.06  | 196  | 156805   | 37.85  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 175741   | 41.78  | nq    | # 95     |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 657081   | 35.50  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.26  | 162  | 519617   | 38.73  | nq    | 99       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 152430   | 38.83  | nq    | # 74     |
| 48) Acenaphthylene             | 9.68  | 152  | 844817   | 39.31  | nq    | 99       |
| 49) Dimethylphthalate          | 9.54  | 163  | 593683   | 37.32  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 148099   | 44.00  | nq    | # 78     |
| 51) Acenaphthene               | 9.85  | 154  | 509475   | 39.86  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 28588    | 7.05   | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 9.89  | 184  | 152379   | 70.09  | nq    | # 67     |
| 54) Dibenzofuran               | 10.02 | 168  | 732584   | 43.40  | nq    | 99       |
| 55) 4-Nitrophenol              | 9.95  | 139  | 182734   | 76.41  | nq    | 95       |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 165918   | 39.01  | nq    | # 32     |
| 57) Fluorene                   | 10.36 | 166  | 586164   | 40.65  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.14 | 232  | 135411   | 43.24  | nq    | 96       |
| 59) Diethylphthalate           | 10.24 | 149  | 603141   | 37.56  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204  | 260994   | 38.86  | nq    | 97       |
| 61) 4-Nitroaniline             | 10.38 | 138  | 109188   | 27.33  | nq    | 84       |
| 62) Azobenzene                 | 10.51 | 77   | 661299   | 42.99  | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 96338    | 39.21  | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.48 | 169  | 401823   | 31.69  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 167300   | 40.42  | nq    | # 92     |
| 67) Hexachlorobenzene          | 10.91 | 284  | 177899   | 41.56  | nq    | 97       |
| 68) Atrazine                   | 11.00 | 200  | 86790    | 21.18  | nq    | 97       |
| 69) Pentachlorophenol          | 11.10 | 266  | 166666   | 83.08  | nq    | 99       |
| 70) Phenanthrene               | 11.32 | 178  | 906174   | 40.97  | nq    | 100      |
| 71) Anthracene                 | 11.37 | 178  | 837930   | 36.17  | nq    | 100      |
| 72) Carbazole                  | 11.53 | 167  | 575552   | 28.90  | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.86 | 149  | 1043167  | 42.27  | nq    | 100      |
| 74) Fluoranthene               | 12.50 | 202  | 867588   | 37.71  | nq    | 99       |
| 76) Benzidine                  | 12.64 | 184  | 55433    | 4.60   | nq    | 99       |
| 77) Pyrene                     | 12.73 | 202  | 856735   | 35.61  | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.35 | 149  | 414269   | 38.24  | nq    | # 74     |
| 80) Benzo(a)anthracene         | 13.92 | 228  | 750748   | 37.31  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.88 | 252  | 36539    | 2.49   | nq    | 99       |
| 82) Chrysene                   | 13.95 | 228  | 698104   | 36.01  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149  | 550810   | 38.31  | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.52 | 149  | 979928   | 42.68  | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.69 | 276  | 583951   | 37.13  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.97 | 252  | 1382623  | 90.11  | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 14.97 | 252  | 1383396  | 101.82 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.28 | 252  | 618926   | 45.53  | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.69 | 278  | 501918   | 45.89  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.09 | 276  | 457298   | 43.20  | nq    | 98       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

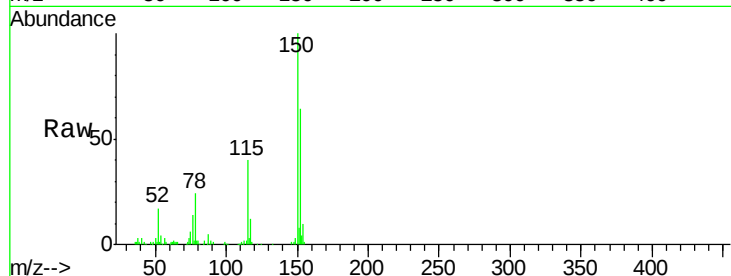
Tot Ion:152 Resp: 111445

Ion Ratio Lower Upper

152 100

150 157.2 124.2 186.2

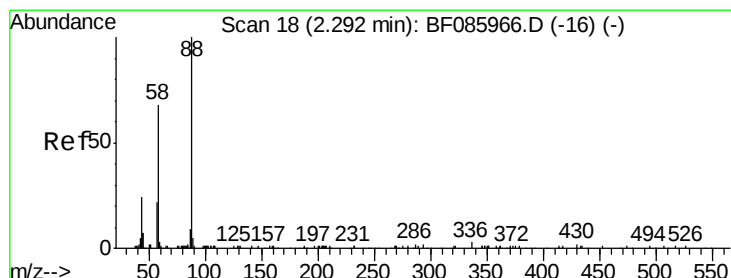
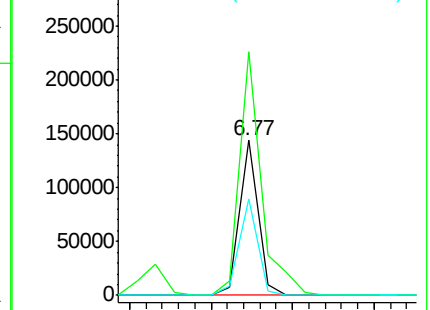
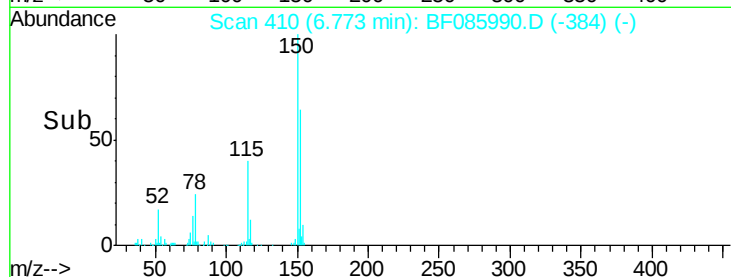
115 62.5 47.0 70.6



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: 27.74 ng

RT: 2.37 min Scan# 25

Delta R.T. 0.08 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

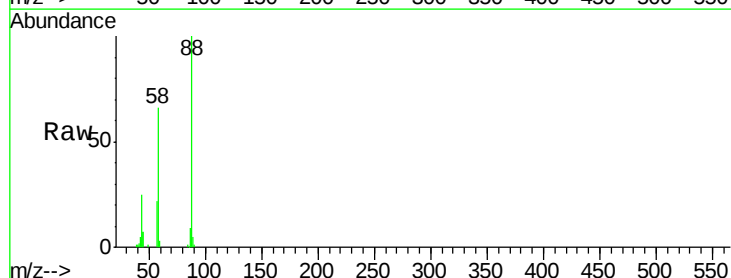
Tgt Ion: 88 Resp: 85758

Ion Ratio Lower Upper

88 100

58 69.1 54.2 81.2

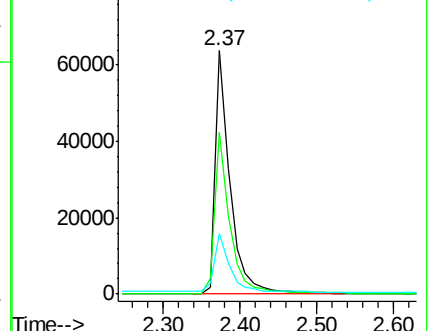
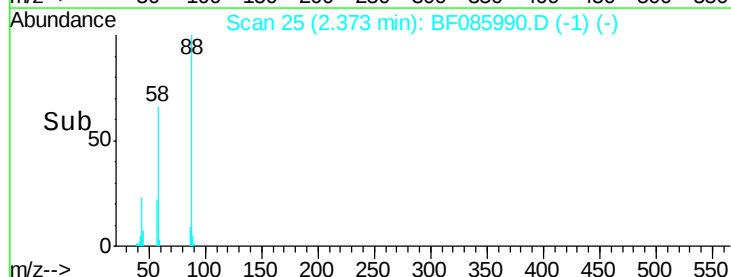
43 25.7 19.3 28.9



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

Pvridine

Concen: 42.63 ng

RT: 3.07 min Scan# 86

Delta R.T. 0.07 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

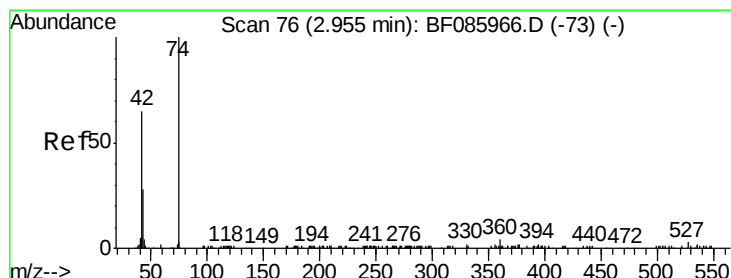
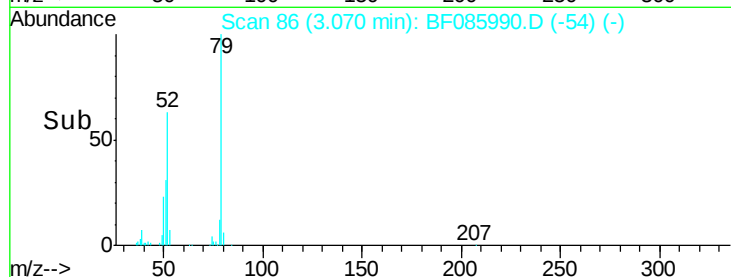
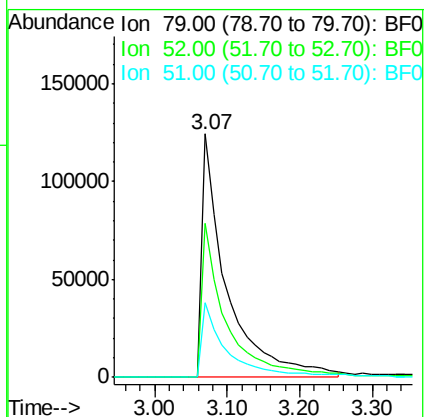
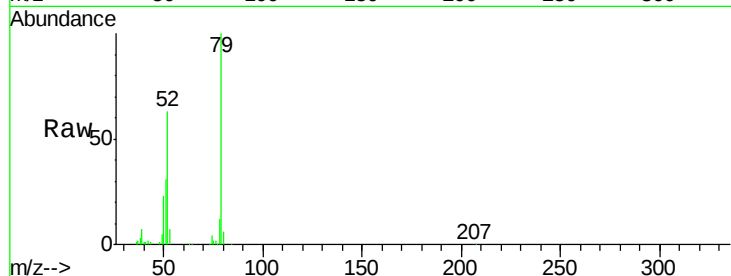
Tot Ion: 79 Resp: 295000

Ion Ratio Lower Upper

79 100

52 63.3 49.8 74.6

51 30.8 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 37.44 ng

RT: 3.02 min Scan# 82

Delta R.T. 0.07 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

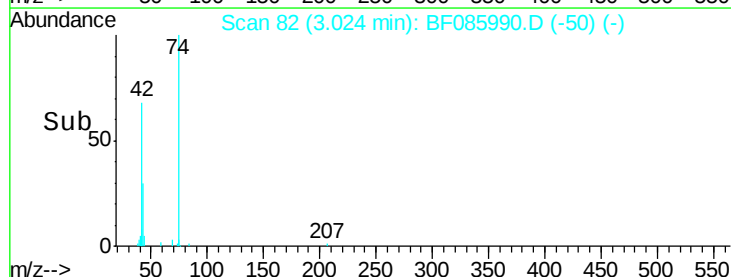
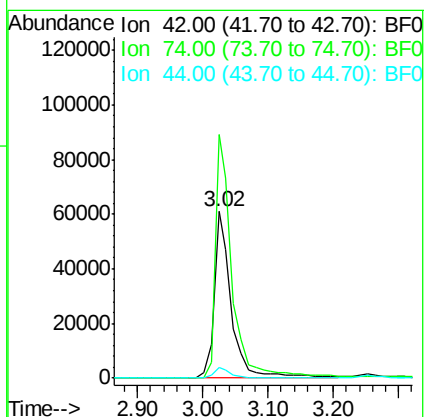
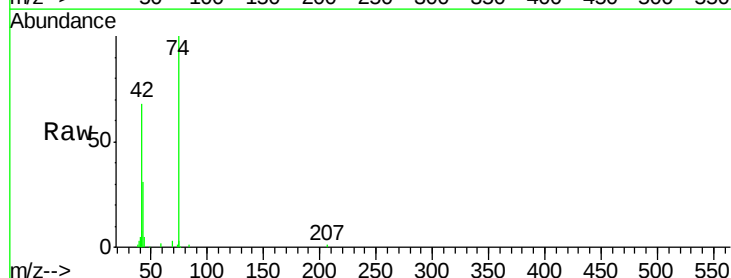
Tgt Ion: 42 Resp: 113937

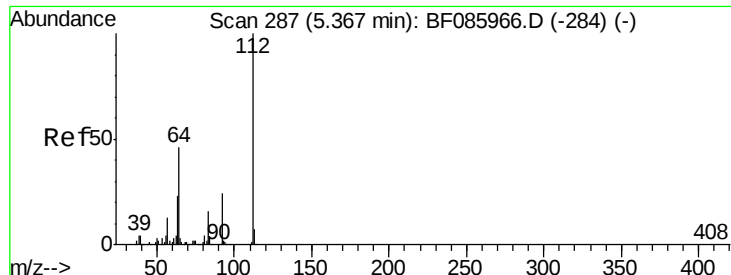
Ion Ratio Lower Upper

42 100

74 146.0 121.4 182.2

44 6.7 5.6 8.4





#5

2-Fluorophenol

Concen: 85.61 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

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ClientSampleId :

PB89385BS

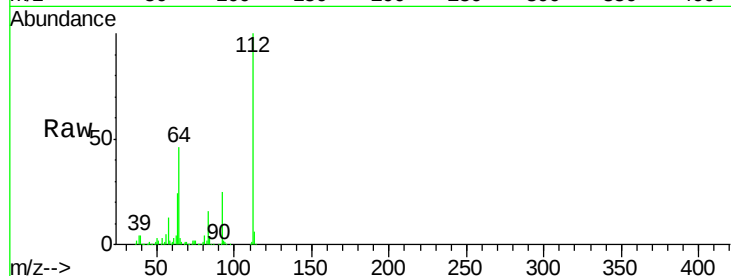
Tot Ion: 112 Resp: 558157

Ion Ratio Lower Upper

112 100

64 46.2 39.9 59.9

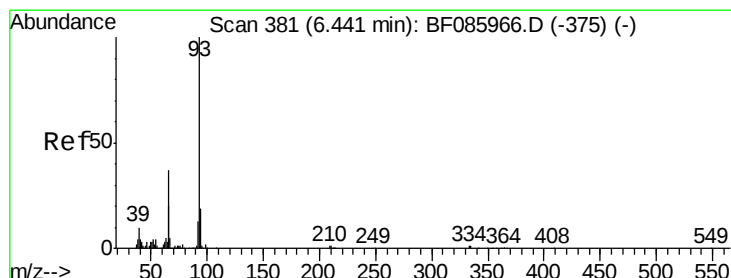
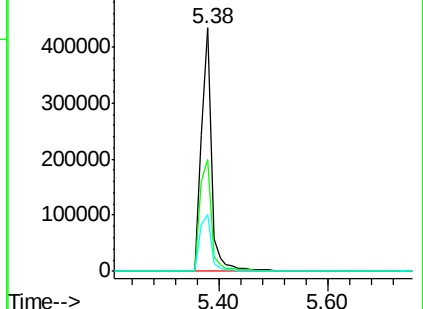
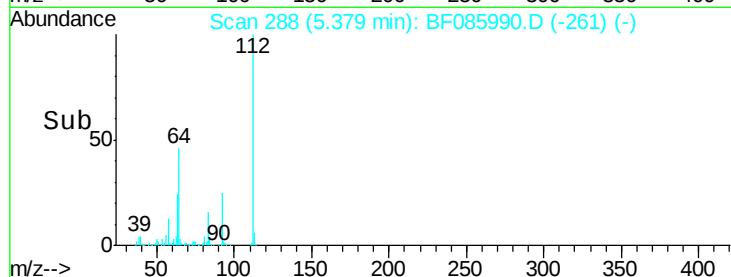
63 23.6 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.27 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

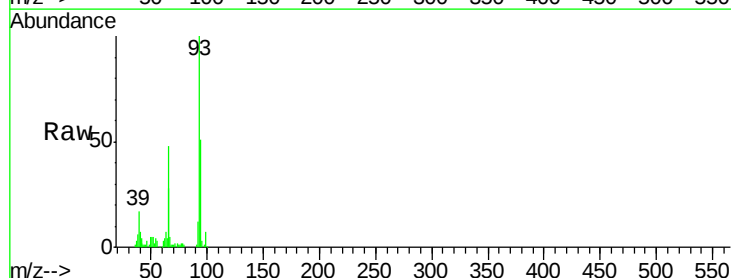
Tgt Ion: 93 Resp: 111634

Ion Ratio Lower Upper

93 100

66 47.9 31.4 47.2#

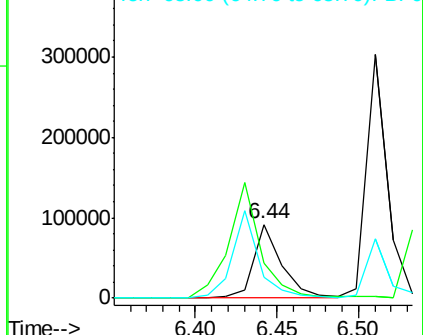
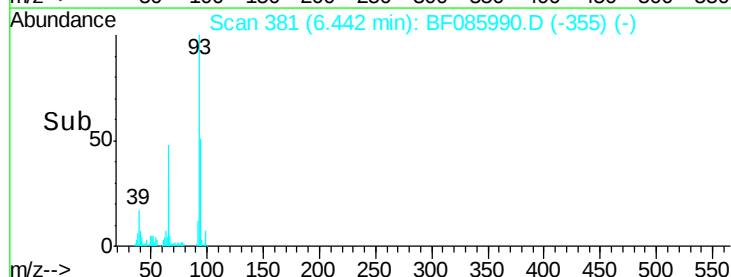
65 27.9 15.7 23.5#

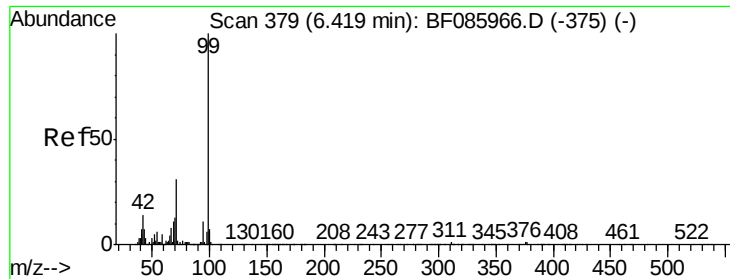


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 86.11 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

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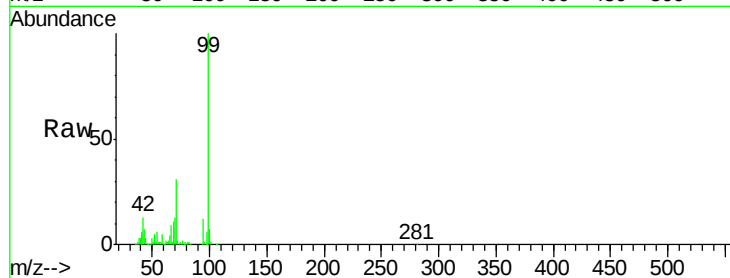
Tot Ion: 99 Resp: 713148

Ion Ratio Lower Upper

99 100

42 13.3 11.1 16.7

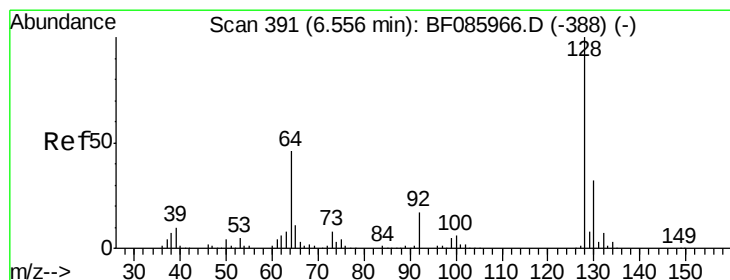
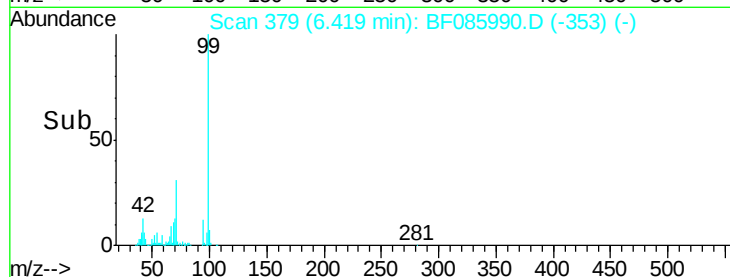
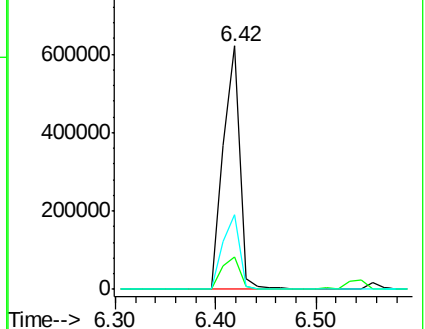
71 30.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.01 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

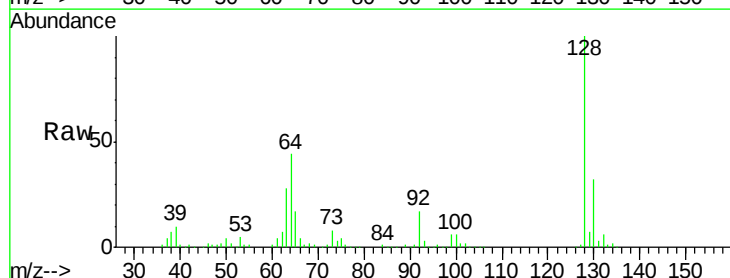
Tgt Ion: 128 Resp: 303318

Ion Ratio Lower Upper

128 100

130 32.0 12.9 52.9

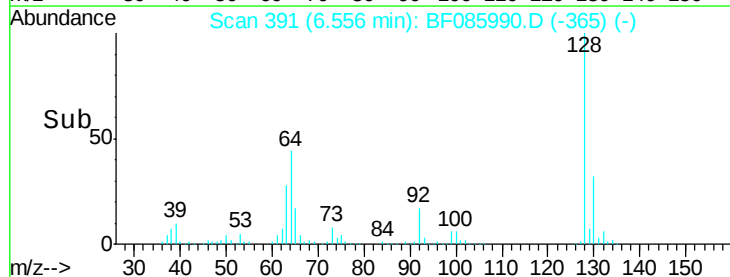
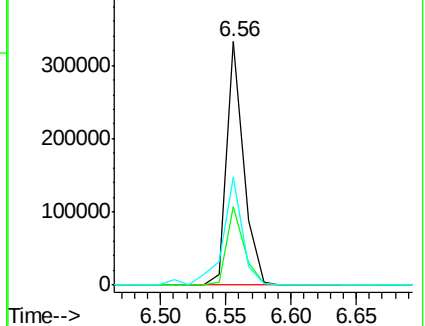
64 44.4 20.2 60.2

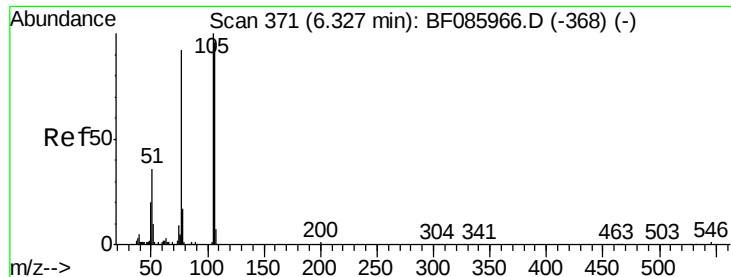


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.06 ng

RT: 6.33 min Scan# 371

Delta R.T. 0.00 min

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Instrument :

BNA\_F

ClientSampleId :

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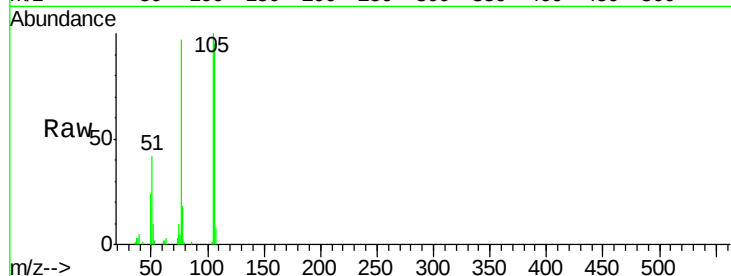
Tot Ion: 77 Resp: 53756

Ion Ratio Lower Upper

77 100

105 103.2 80.1 120.1

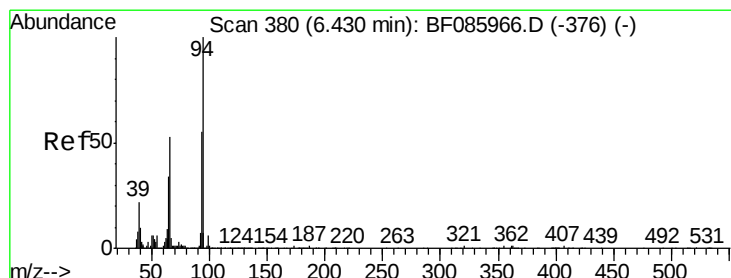
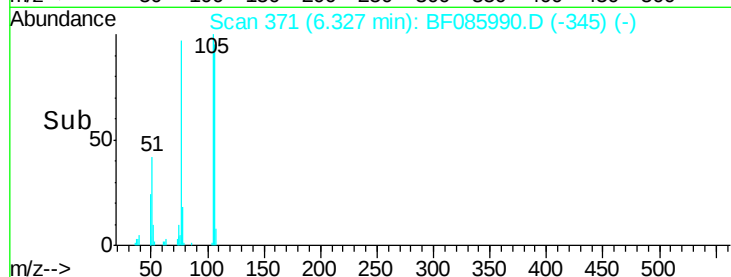
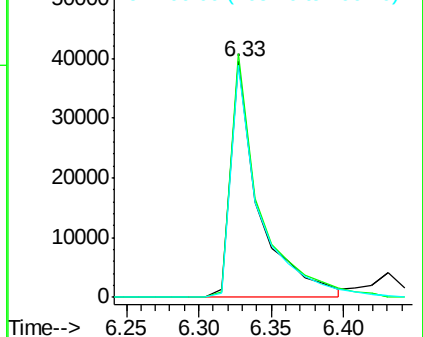
106 98.4 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.98 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

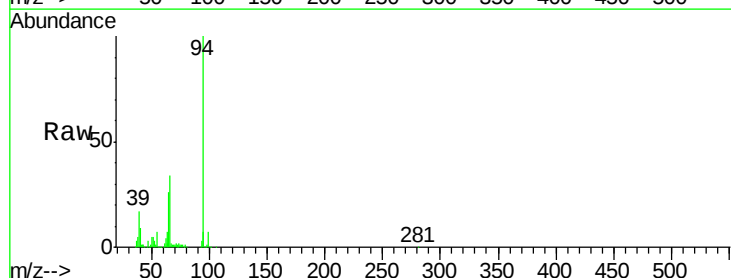
Tgt Ion: 94 Resp: 396539

Ion Ratio Lower Upper

94 100

65 25.5 8.6 48.6

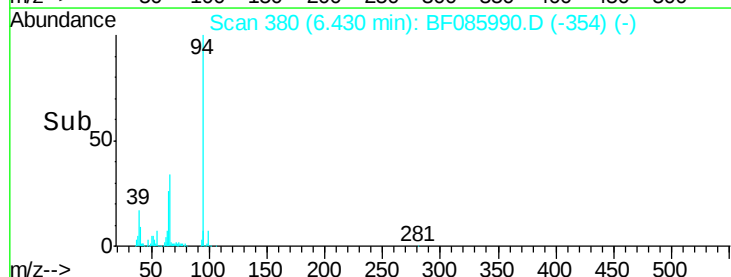
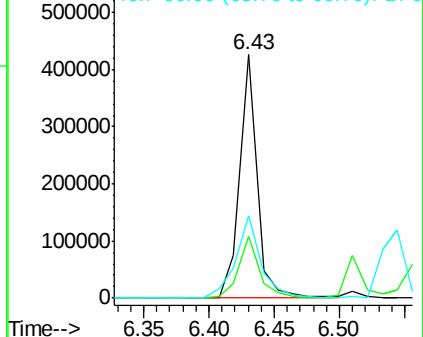
66 33.8 20.0 60.0

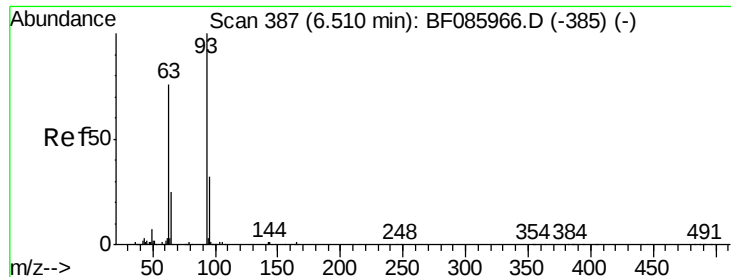


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 35.15 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

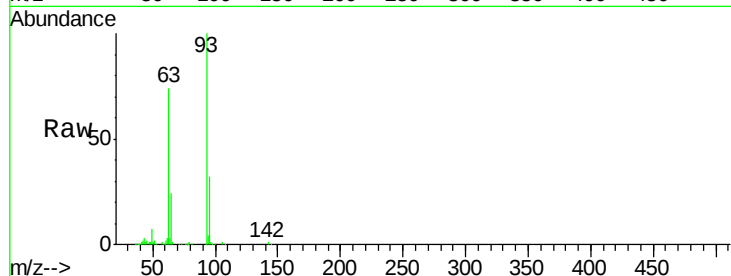
Tot Ion: 93 Resp: 262921

Ion Ratio Lower Upper

93 100

63 74.4 50.9 90.9

95 32.5 13.3 53.3

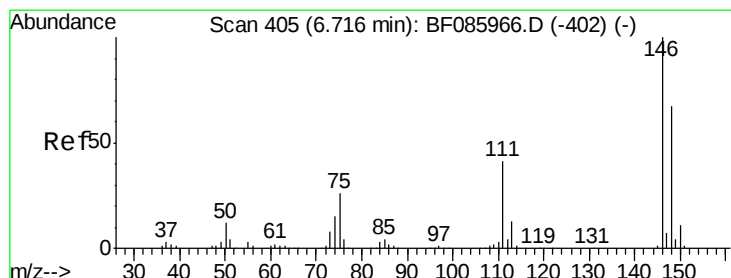
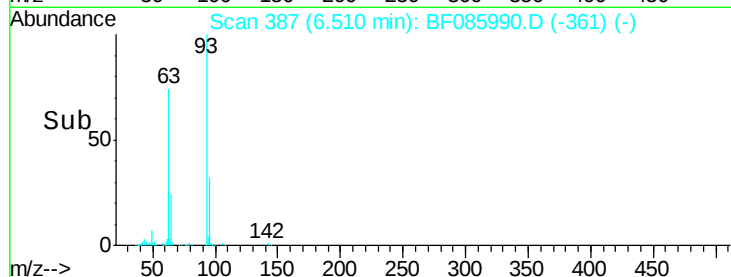
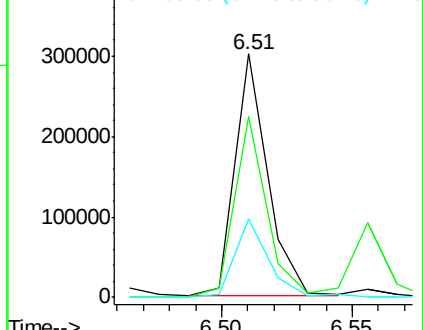


Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 37.16 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

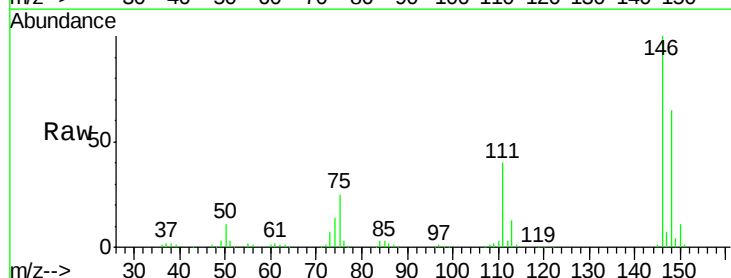
Tgt Ion: 146 Resp: 306217

Ion Ratio Lower Upper

146 100

148 65.0 52.3 78.5

75 24.7 17.4 26.2

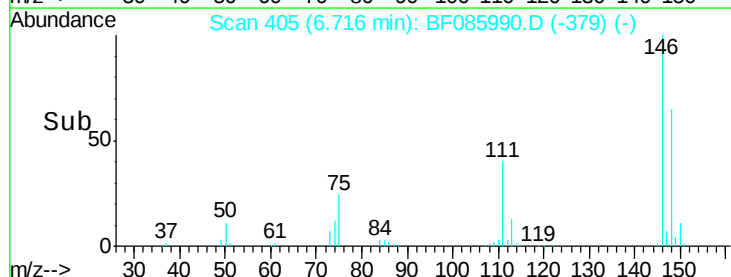
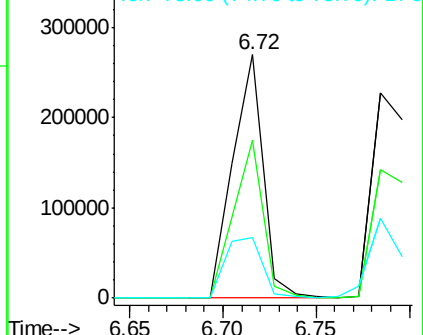


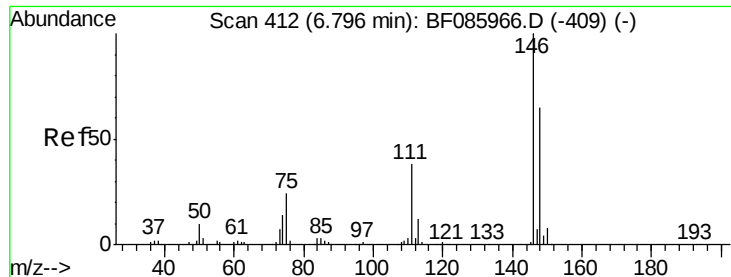
Abundance

Ion 146.00 (145.70 to 146.70): BF0

Ion 148.00 (147.70 to 148.70): BF0

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 36.62 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

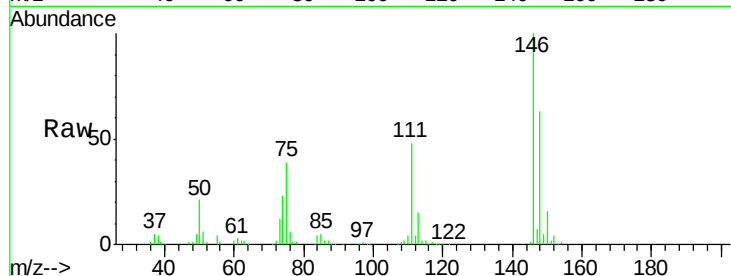
Tot Ion:146 Resp: 310903

Ion Ratio Lower Upper

146 100

148 62.7 50.6 76.0

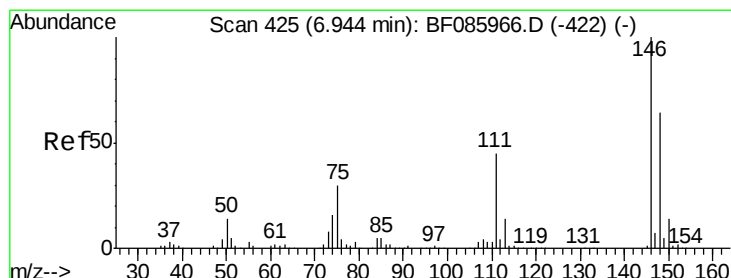
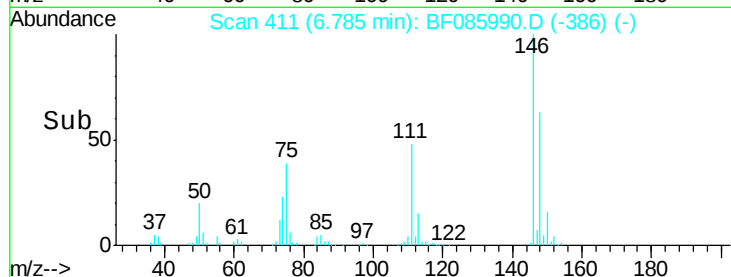
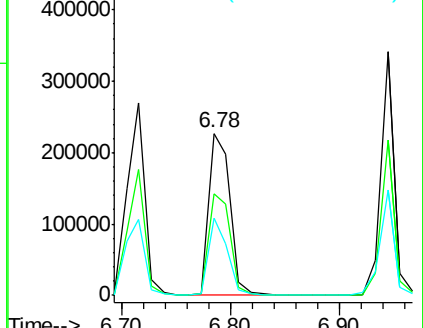
111 47.8 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.68 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

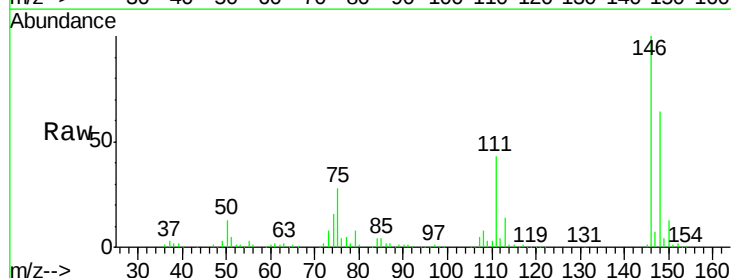
Tgt Ion:146 Resp: 294431

Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.2

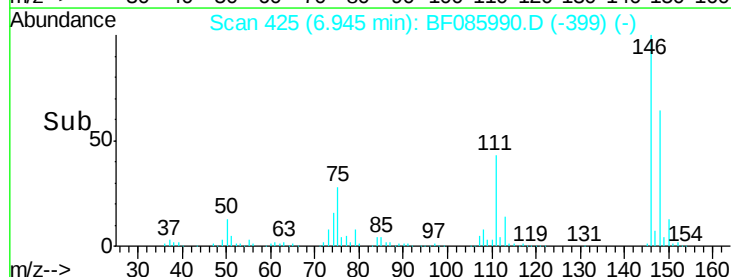
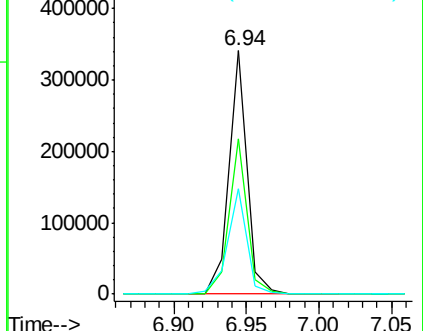
111 43.2 34.6 52.0

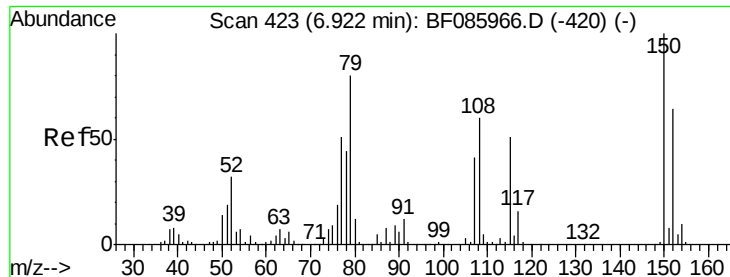


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

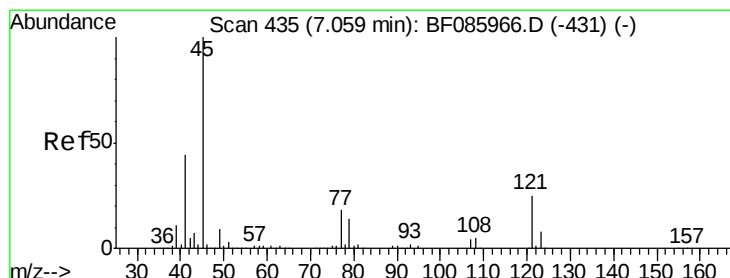
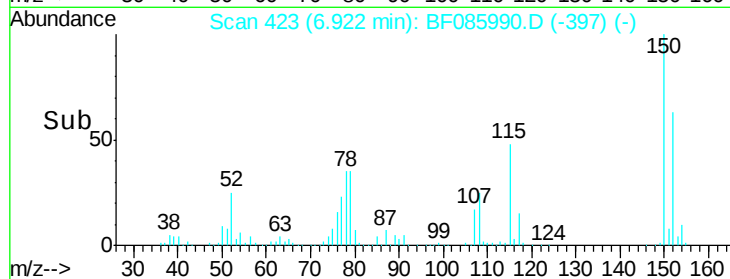
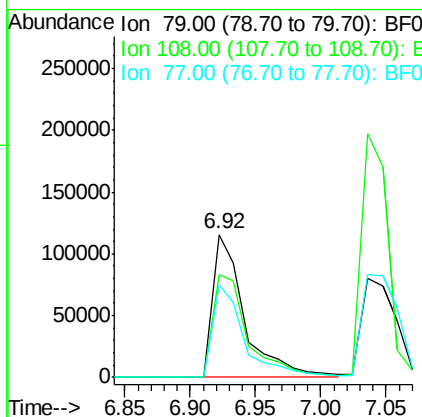
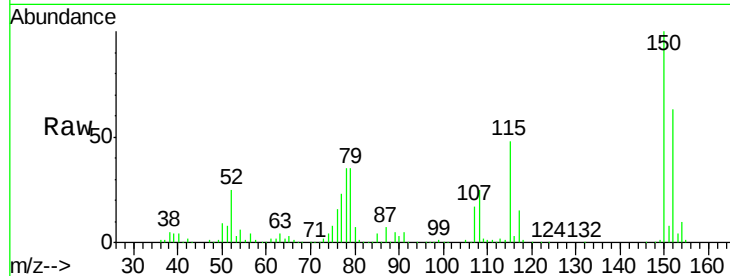




#15  
Benzyl Alcohol  
Concen: 36.93 ng  
RT: 6.92 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

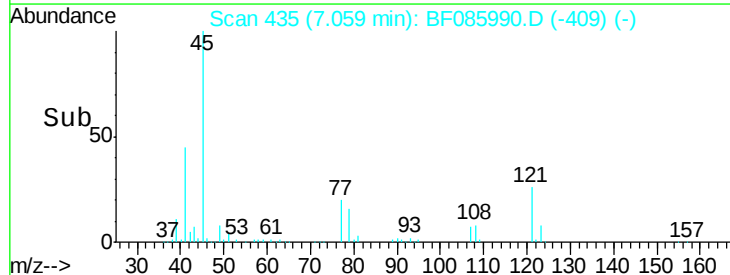
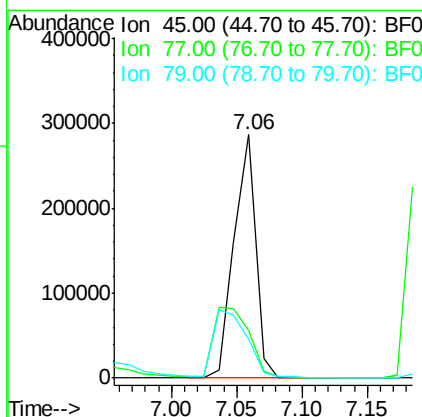
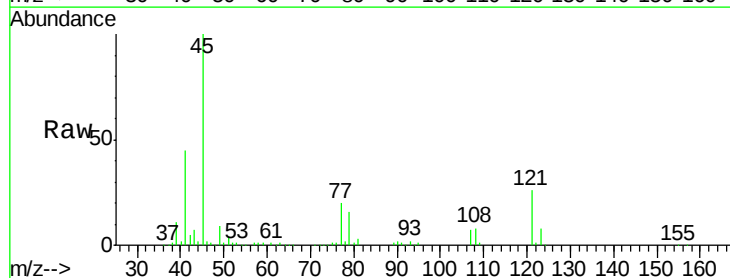
Instrument :  
BNA\_F  
ClientSampled :  
PB89385BS

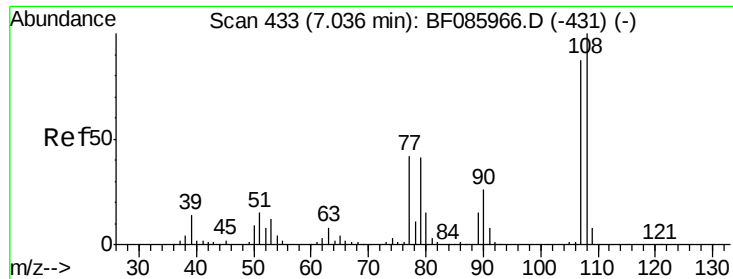
Tot Ion: 79 Resp: 197873  
Ion Ratio Lower Upper  
79 100  
108 72.2 61.8 92.6  
77 65.1 49.6 74.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 35.92 ng  
RT: 7.06 min Scan# 435  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion: 45 Resp: 328301  
Ion Ratio Lower Upper  
45 100  
77 19.8 0.0 35.7  
79 16.2 0.0 32.2





#17

2-Methylphenol

Concen: 38.71 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleID :

PB89385BS

Tot Ion:107 Resp: 237297

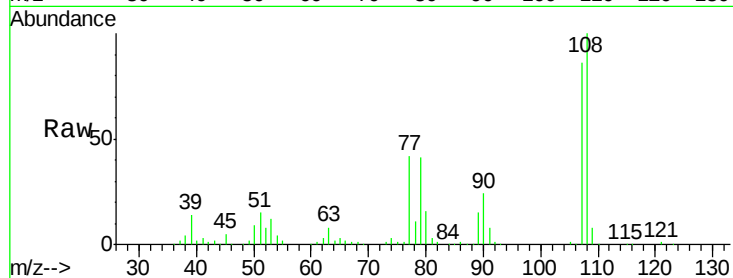
Ion Ratio Lower Upper

107 100

108 116.4 91.4 137.0

77 49.3 36.2 54.2

79 47.6 35.8 53.8

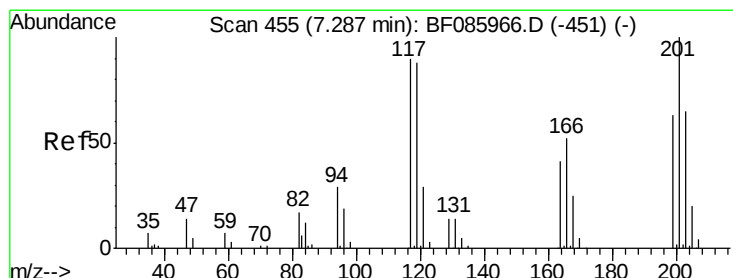
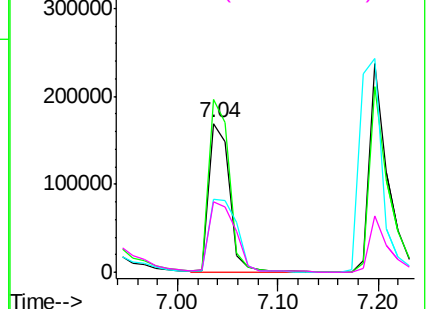
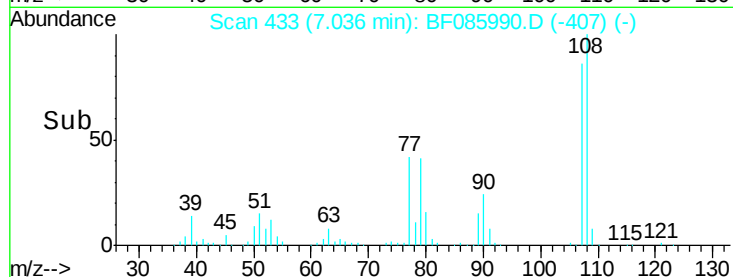


Abundance Ion 107.00 (106.70 to 107.70): E

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: 36.28 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

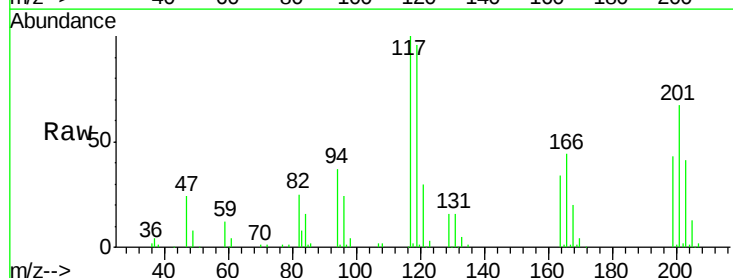
Tgt Ion:117 Resp: 113299

Ion Ratio Lower Upper

117 100

119 95.6 76.7 115.1

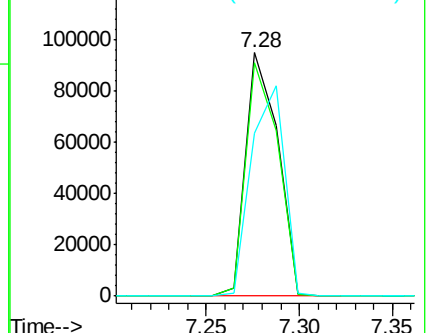
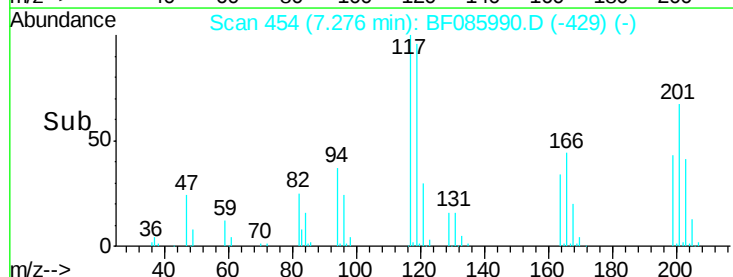
201 67.1 83.3 124.9#

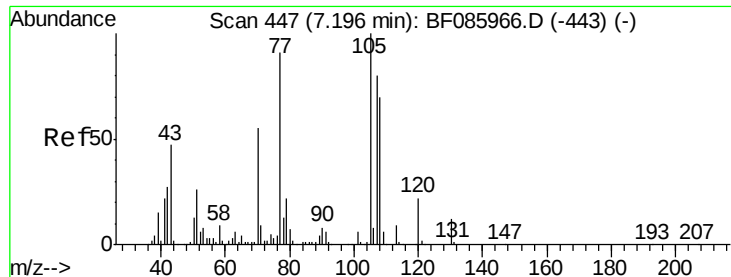


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

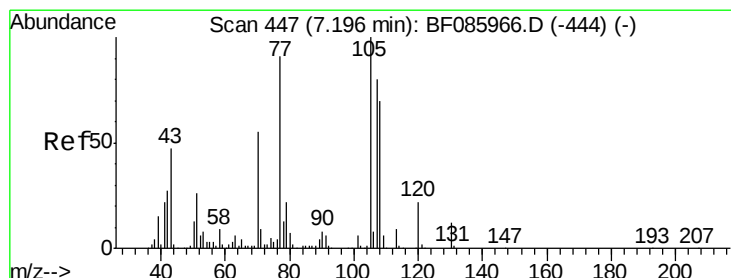
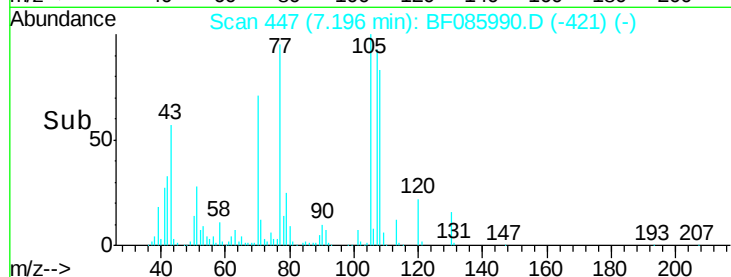
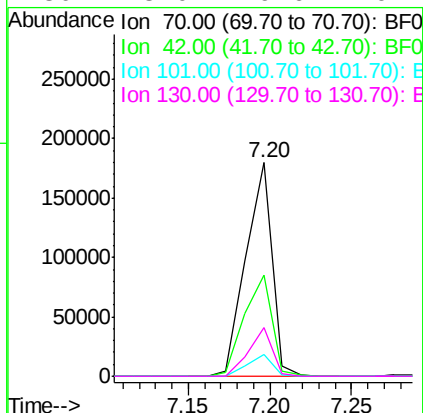
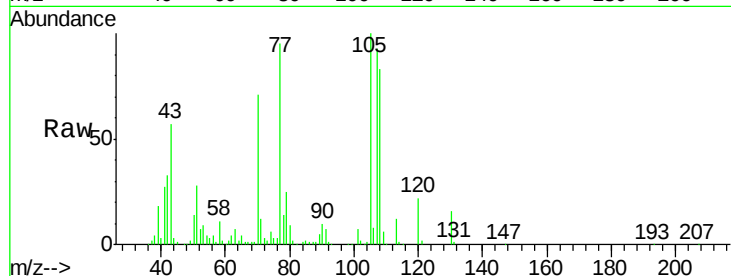




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.89 ng  
RT: 7.20 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

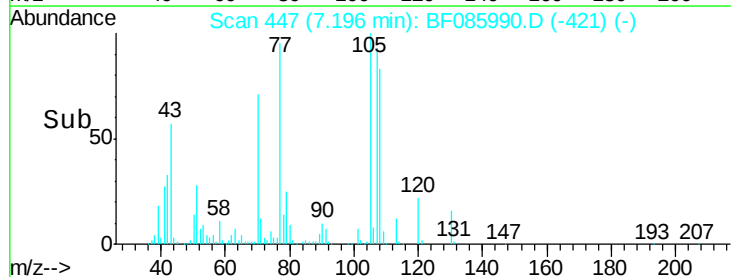
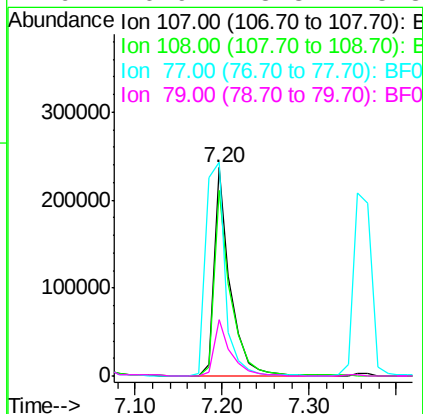
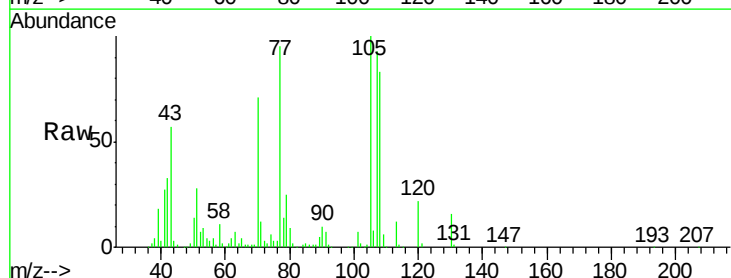
Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

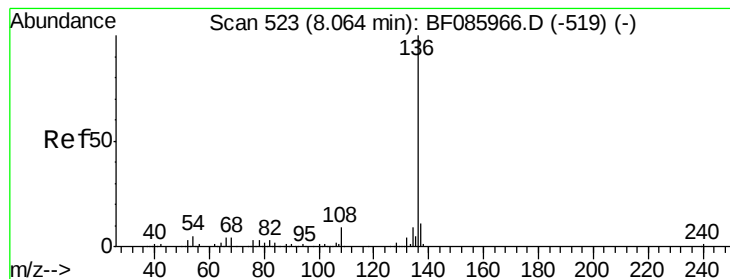
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 199623 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 47.3  | 37.1  | 55.7   |
| 101      | 10.0  | 8.6   | 12.8   |
| 130      | 23.0  | 19.6  | 29.4   |



#20  
3+4-Methylphenols  
Concen: 40.70 ng  
RT: 7.20 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 303492 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.8  | 69.3  | 109.3  |
| 77       | 102.5 | 101.7 | 141.7  |
| 79       | 26.9  | 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: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

Tot Ion:136 Resp: 441266

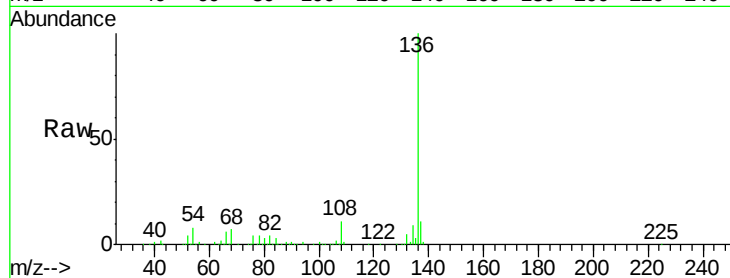
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.2 7.4 11.0

68 6.6 5.8 8.8

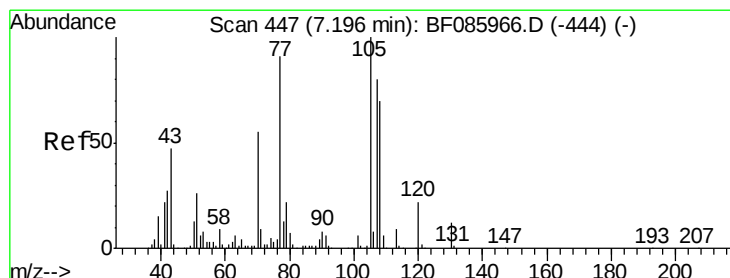
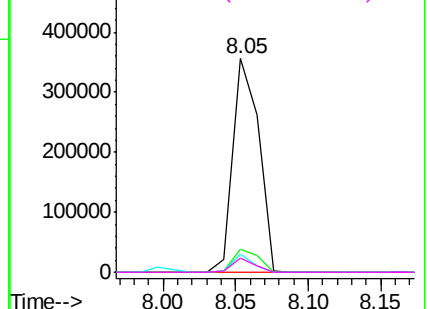
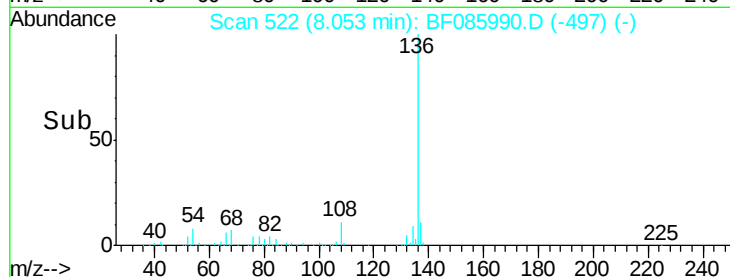


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 37.78 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Tgt Ion:105 Resp: 391930

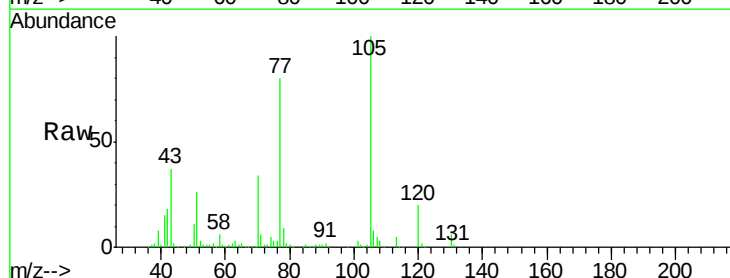
Ion Ratio Lower Upper

105 100

71 5.7 3.6 5.4#

51 25.5 25.4 38.0

120 20.5 16.9 25.3

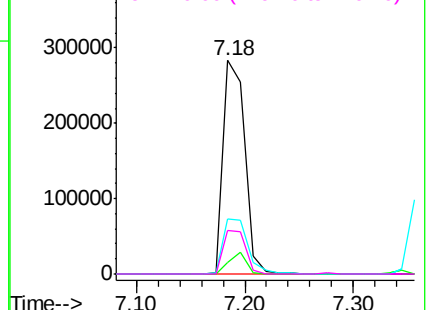
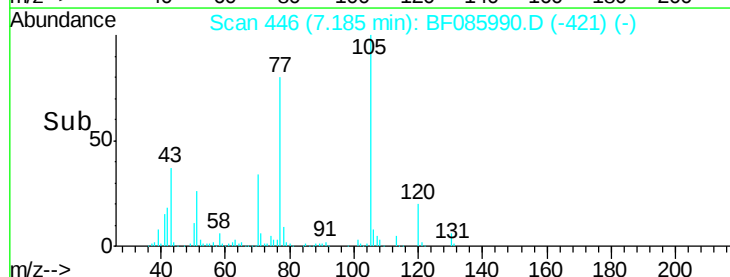


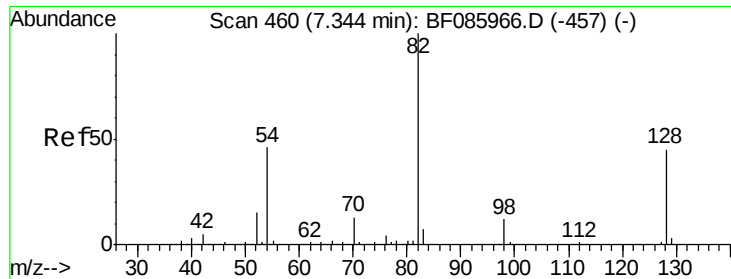
Abundance Ion 105.00 (104.70 to 105.70): E

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

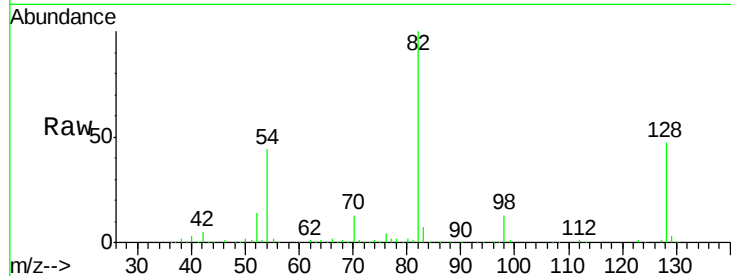




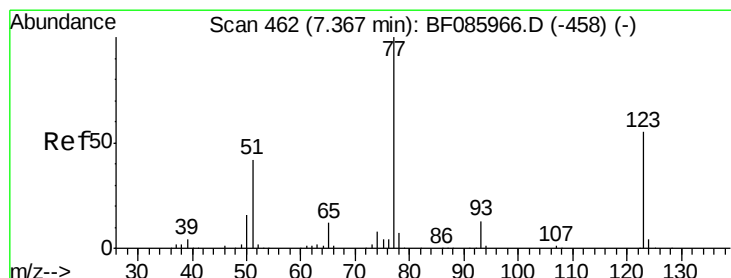
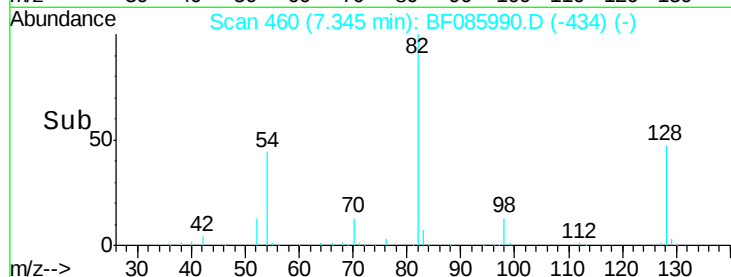
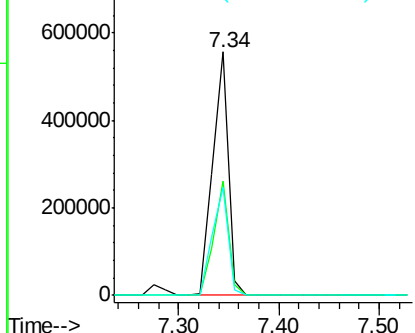
#23  
 Nitrobenzene-d5  
 Concen: 80.13 ng  
 RT: 7.34 min Scan# 460  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

| Tot Ion   | 82    | Resp  | 599609 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.7  | 41.8  | 62.8   |
| 54        | 44.3  | 33.4  | 50.0   |

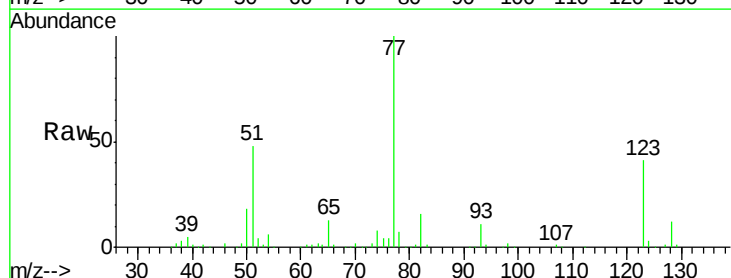


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

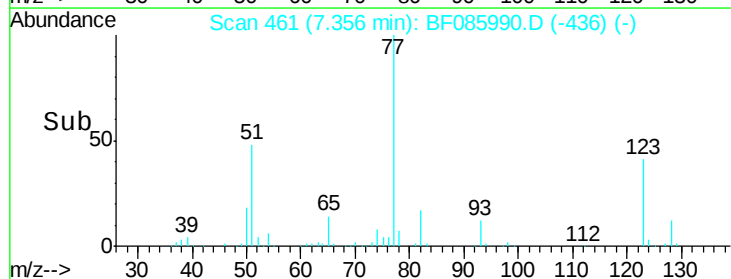
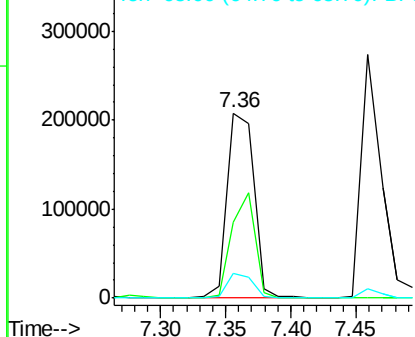


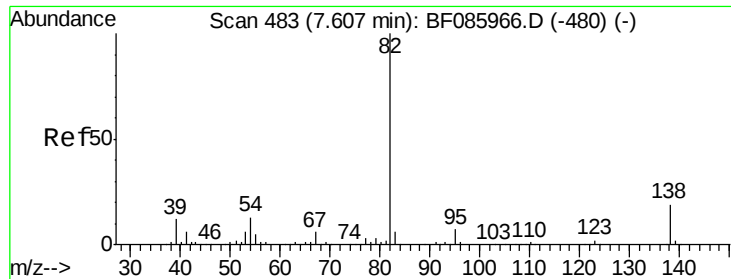
#24  
 Nitrobenzene  
 Concen: 35.98 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.01 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

| Tgt Ion   | 77    | Resp  | 294565 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 41.3  | 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

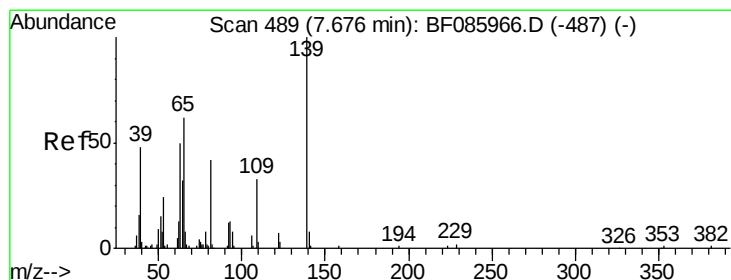
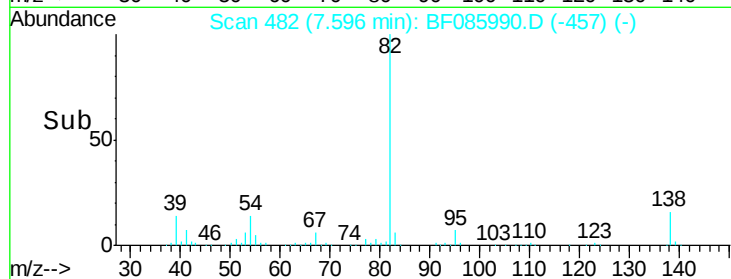
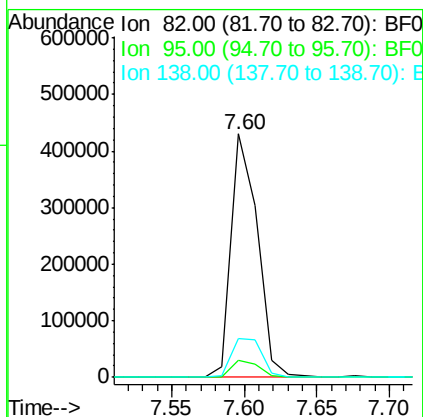
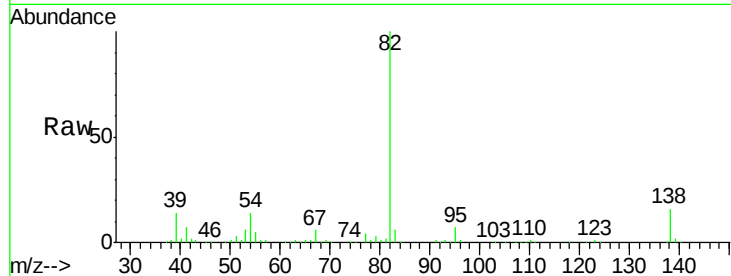




#25  
Isophorone  
Concen: 36.91 ng  
RT: 7.60 min Scan# 482  
Delta R.T. -0.01 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

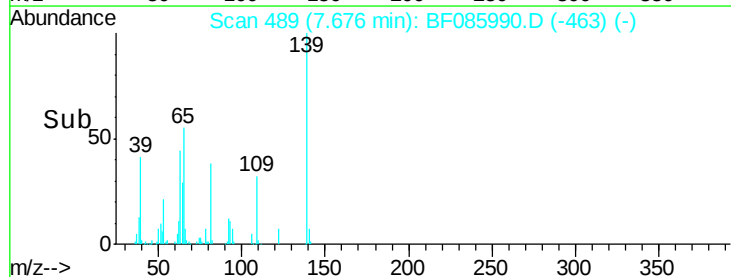
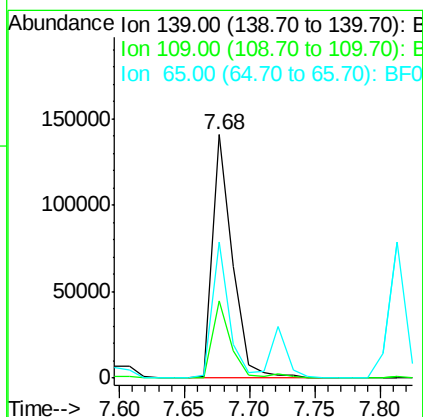
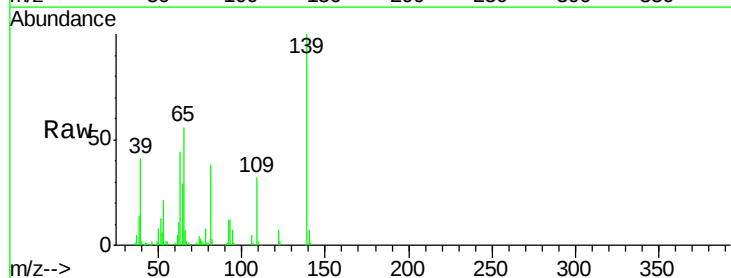
Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

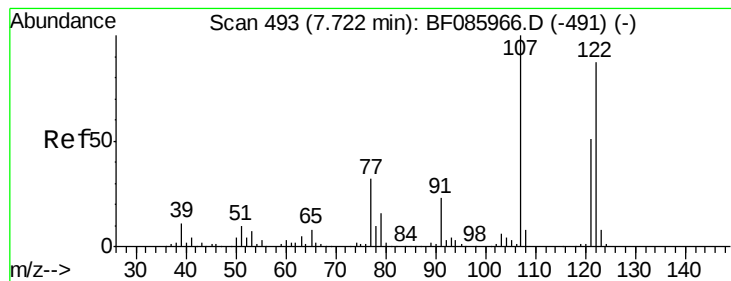
Tot Ion: 82 Resp: 545165  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.4 8.2  
138 15.8 12.9 19.3



#26  
2-Nitrophenol  
Concen: 38.74 ng  
RT: 7.68 min Scan# 489  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion: 139 Resp: 151735  
Ion Ratio Lower Upper  
139 100  
109 31.6 22.1 33.1  
65 55.6 33.9 50.9#





#27

2,4-Dimethylphenol

Concen: 37.80 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

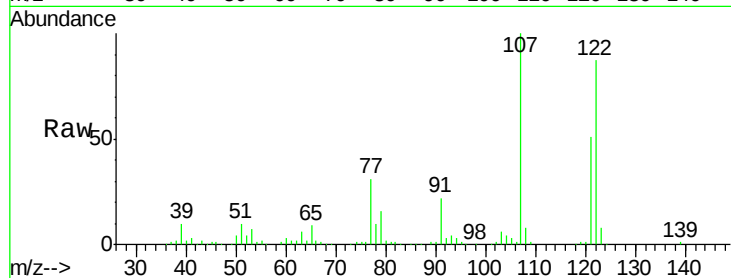
Tot Ion:122 Resp: 265908

Ion Ratio Lower Upper

122 100

107 114.5 93.0 139.6

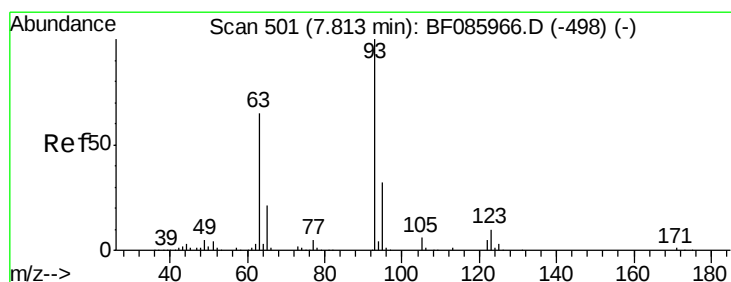
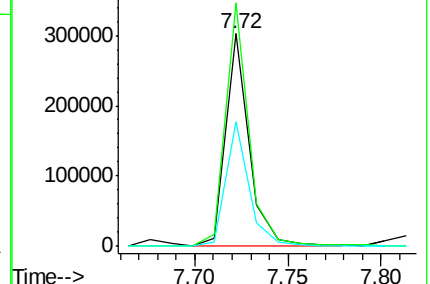
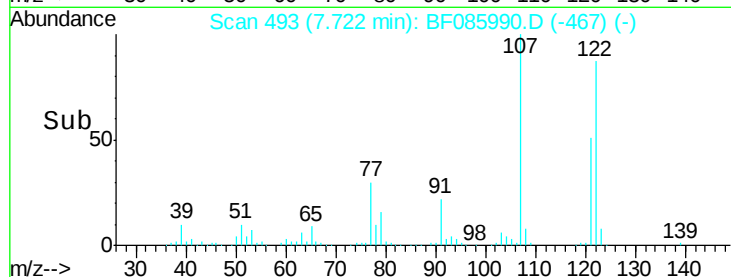
121 58.3 45.9 68.9



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: 40.41 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

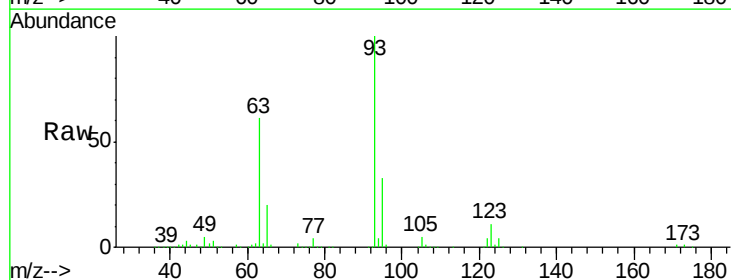
Tgt Ion: 93 Resp: 350240

Ion Ratio Lower Upper

93 100

95 32.7 26.4 39.6

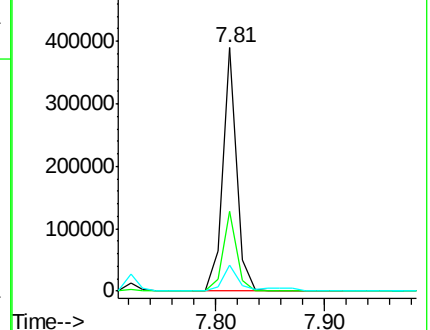
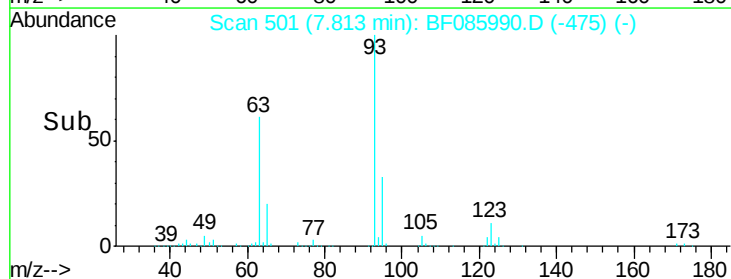
123 10.8 9.8 14.6

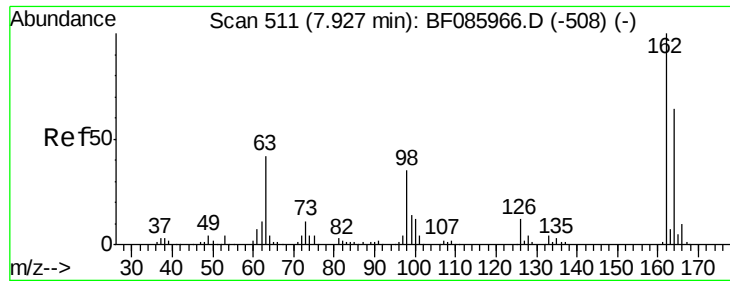


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

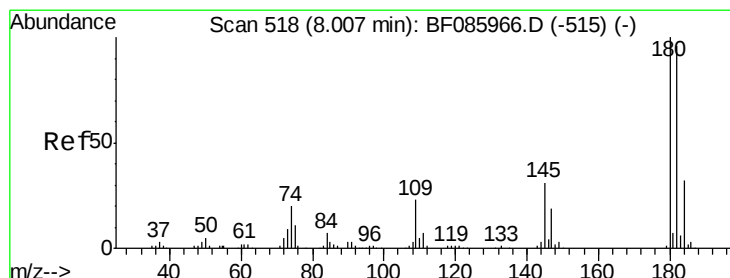
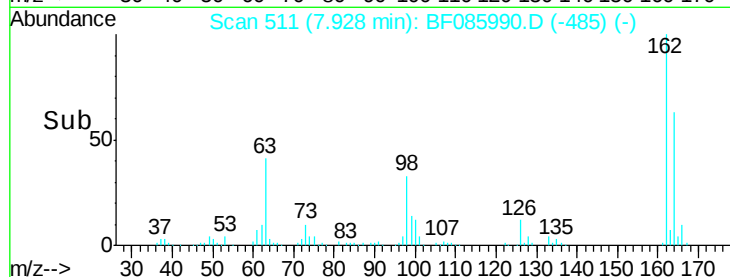
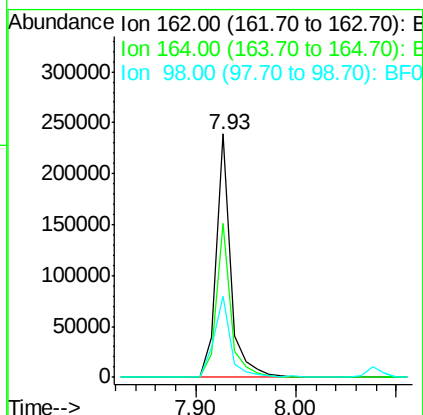
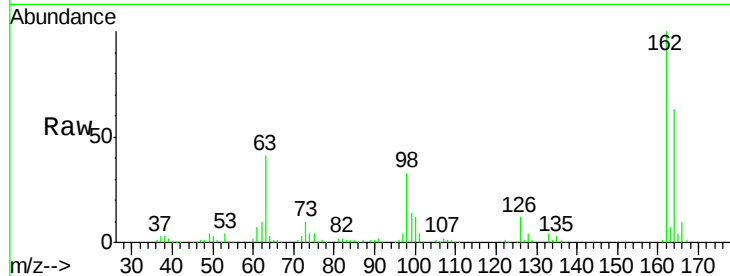




#29  
 2,4-Dichlorophenol  
 Concen: 40.25 ng  
 RT: 7.93 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

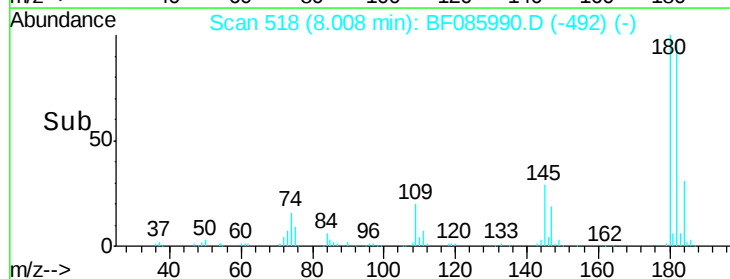
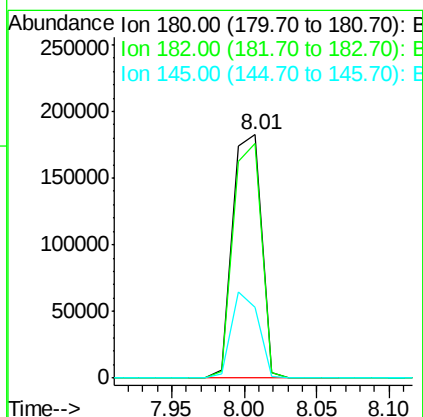
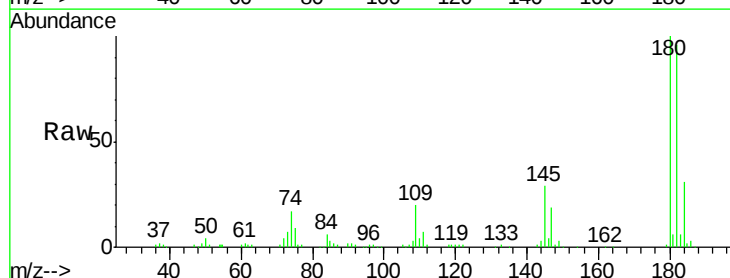
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.1  | 43.7  | 83.7  |
| 98      | 33.5  | 20.4  | 60.4  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.83 ng  
 RT: 8.01 min Scan# 518  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.4  | 73.8  | 110.8 |
| 145     | 28.8  | 28.4  | 42.6  |





#31

Naphthalene

Concen: 36.54 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

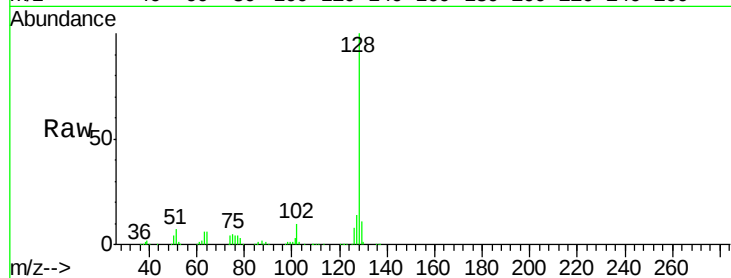
Tot Ion:128 Resp: 810937

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

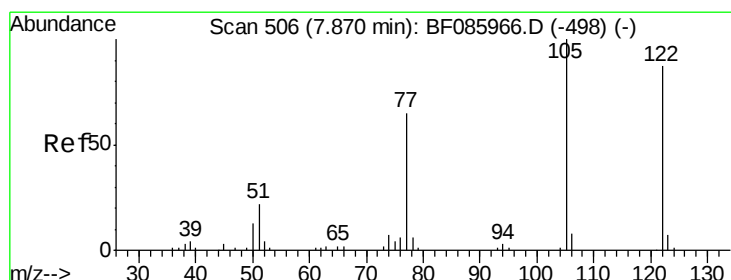
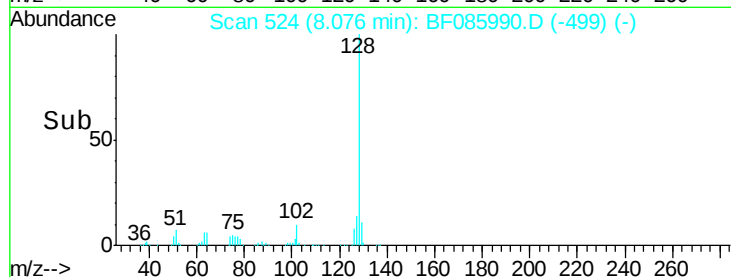
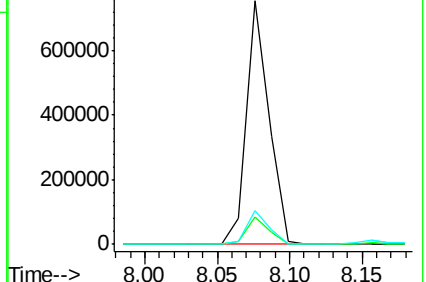
127 13.6 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.31 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

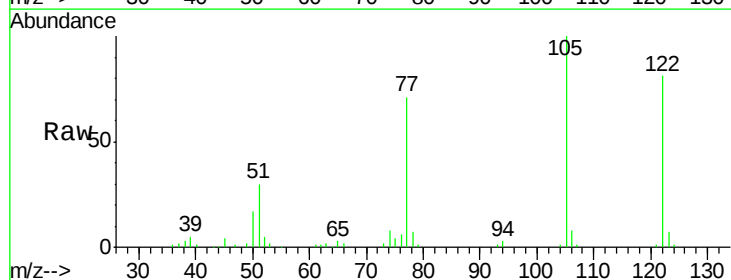
Tgt Ion:122 Resp: 177078

Ion Ratio Lower Upper

122 100

105 123.0 102.9 142.9

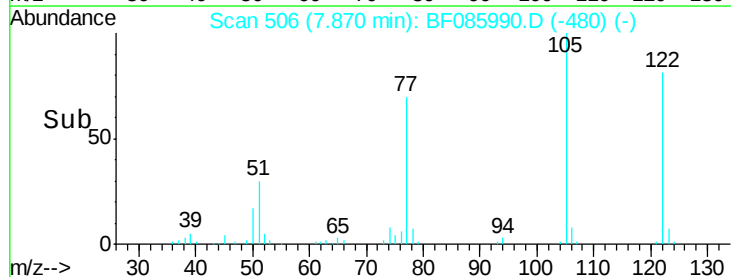
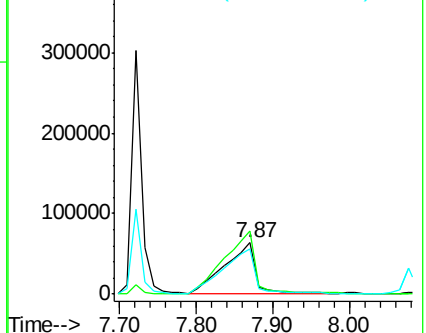
77 87.6 71.8 111.8

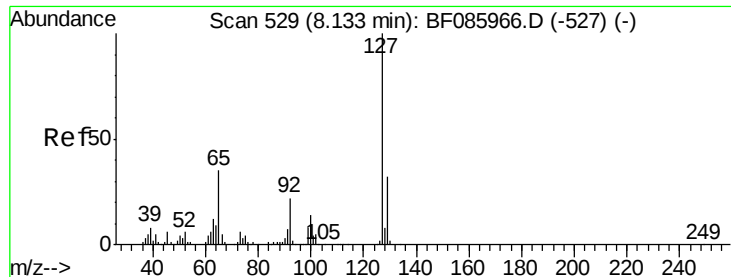


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

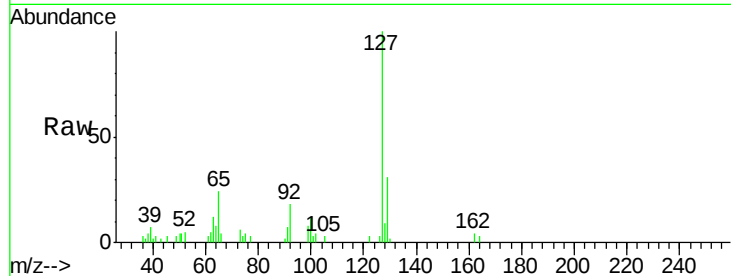




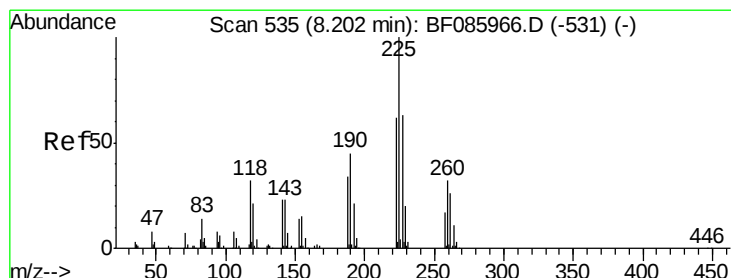
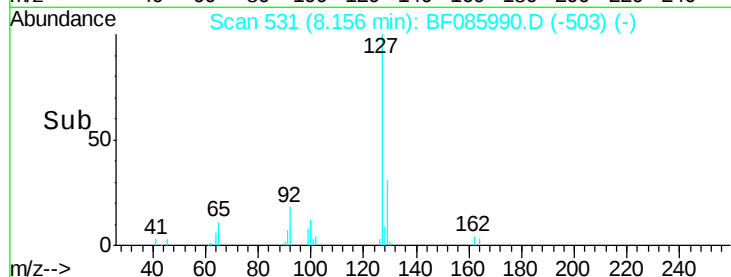
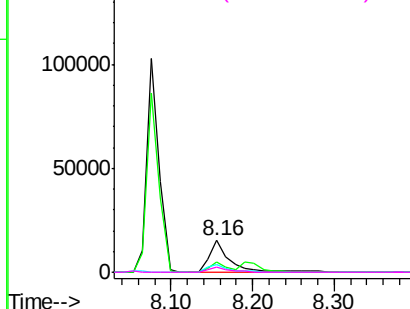
#33  
4-Chloroaniline  
Concen: 3.02 ng  
RT: 8.16 min Scan# 531  
Delta R.T. 0.02 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 27088     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.3  | 26.1 39.1 |
| 65          | 24.1  | 19.5 29.3 |
| 92          | 17.9  | 14.6 22.0 |

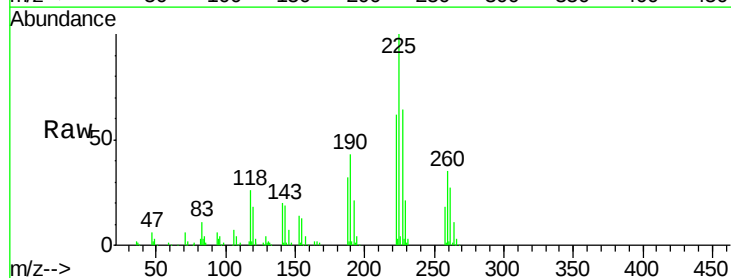


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

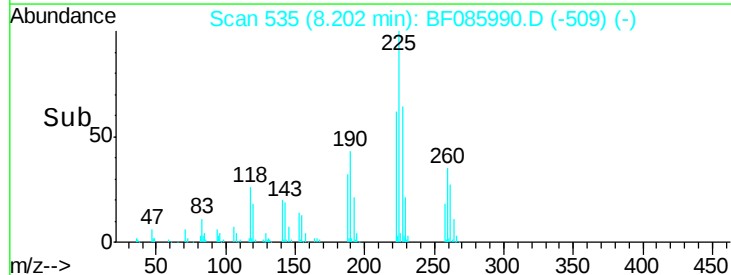
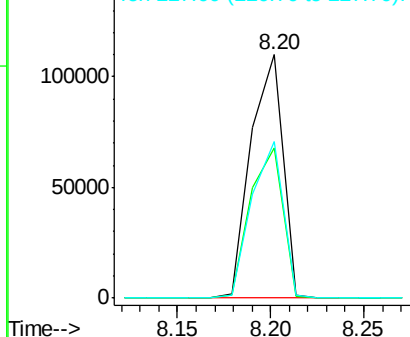


#34  
Hexachlorobutadiene  
Concen: 36.49 ng  
RT: 8.20 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 130963    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.7  | 50.4 75.6 |
| 227         | 64.2  | 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

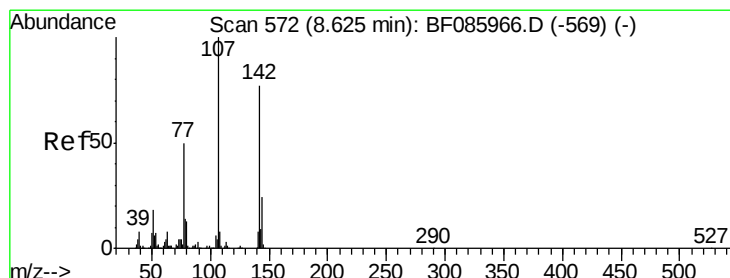
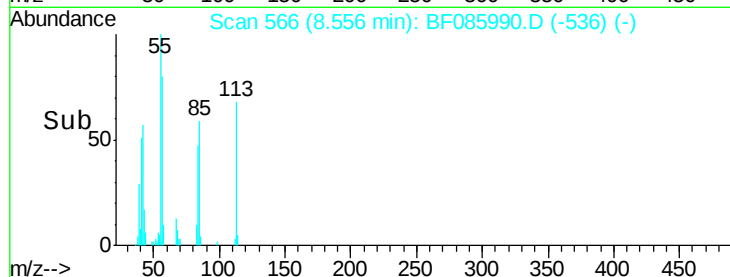
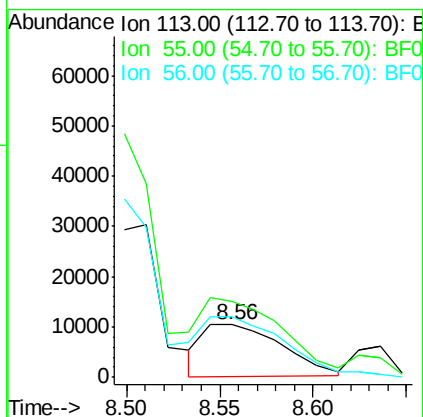
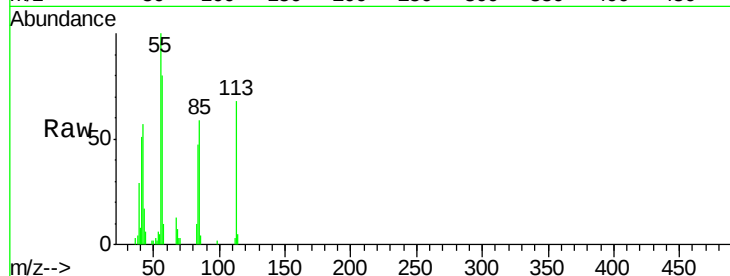




#35  
 Caprolactam  
 Concen: 16.16 ng  
 RT: 8.56 min Scan# 566  
 Delta R.T. 0.05 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

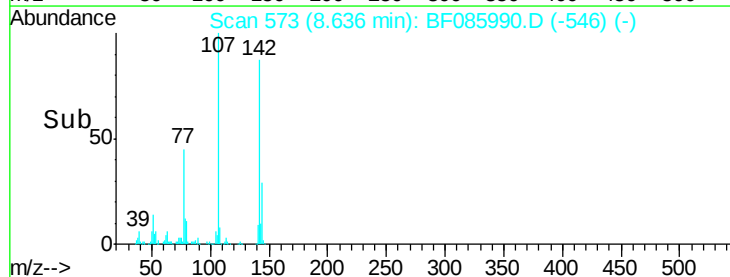
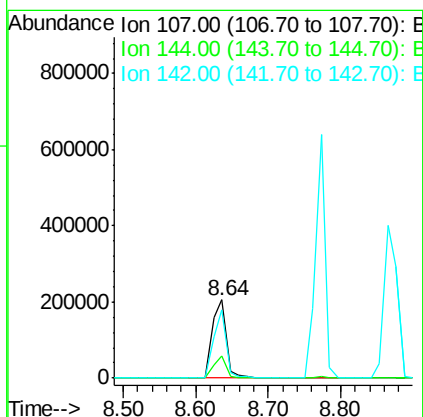
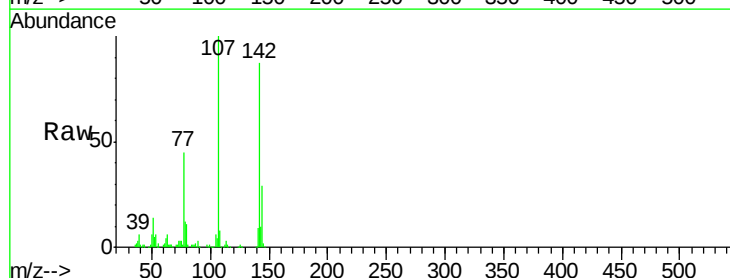
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

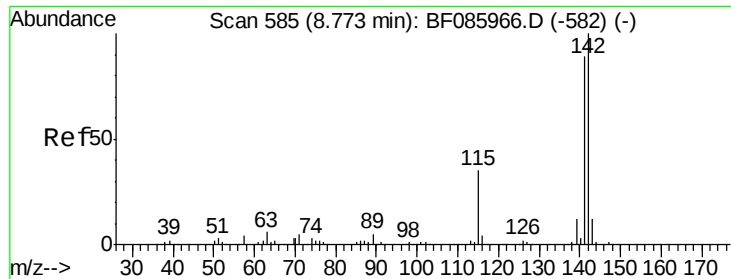
Tot Ion:113 Resp: 30492  
 Ion Ratio Lower Upper  
 113 100  
 55 146.1 139.4 179.4  
 56 116.6 100.4 140.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.06 ng  
 RT: 8.64 min Scan# 573  
 Delta R.T. 0.01 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:107 Resp: 274497  
 Ion Ratio Lower Upper  
 107 100  
 144 28.8 19.3 28.9  
 142 87.4 61.4 92.0

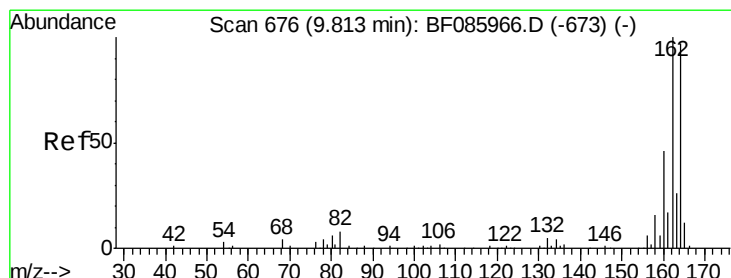
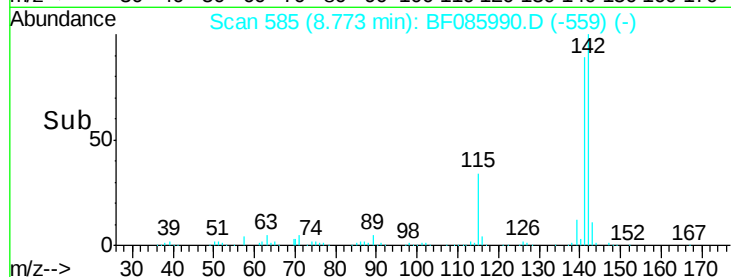
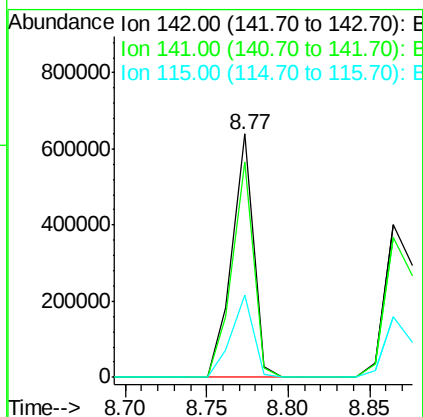
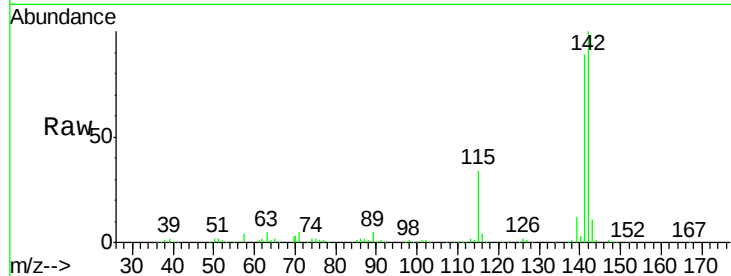




#37  
 2-Methylnaphthalene  
 Concen: 40.39 ng  
 RT: 8.77 min Scan# 585  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

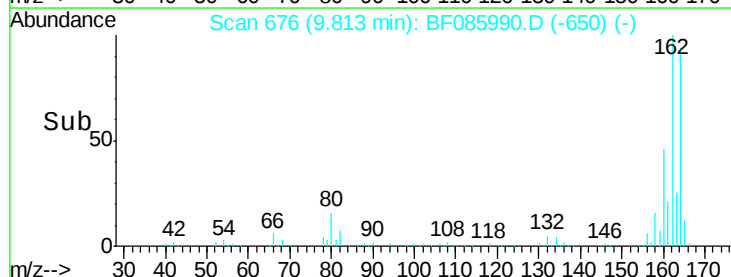
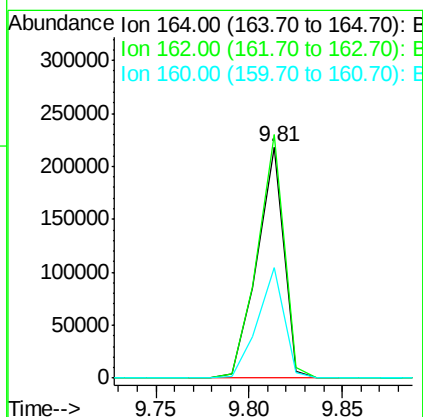
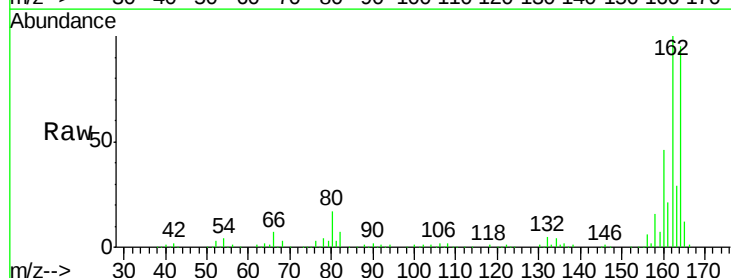
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

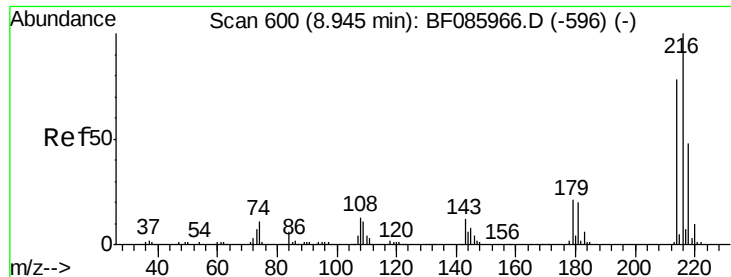
Tot Ion:142 Resp: 585584  
 Ion Ratio Lower Upper  
 142 100  
 141 88.7 71.6 107.4  
 115 34.1 26.8 40.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.81 min Scan# 676  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:164 Resp: 214653  
 Ion Ratio Lower Upper  
 164 100  
 162 105.5 82.1 123.1  
 160 48.0 37.4 56.2

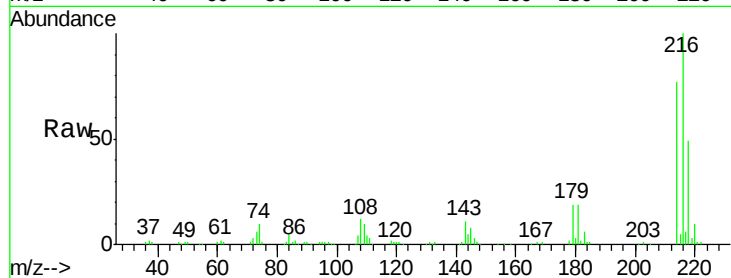




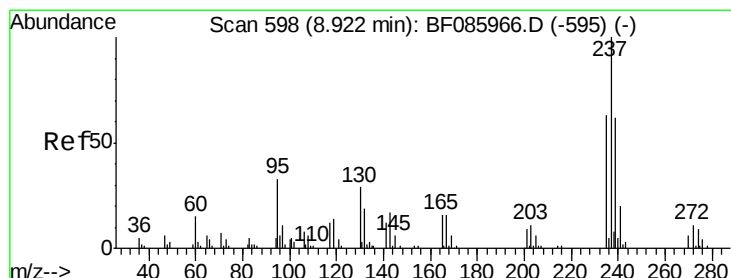
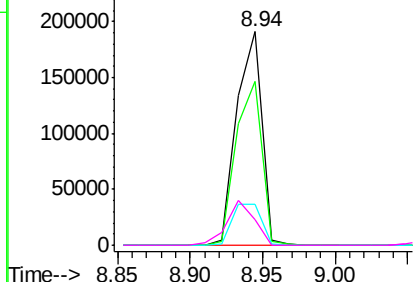
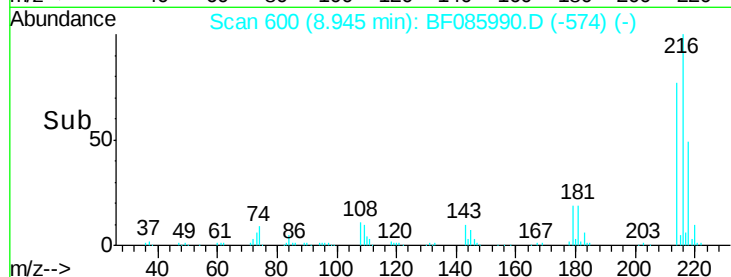
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 35.77 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 230772 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.6  | 63.1  | 94.7   |
| 179      | 22.5  | 18.2  | 27.2   |
| 108      | 23.0  | 17.3  | 25.9   |

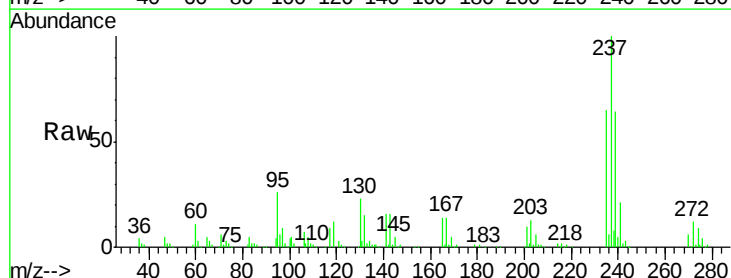


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

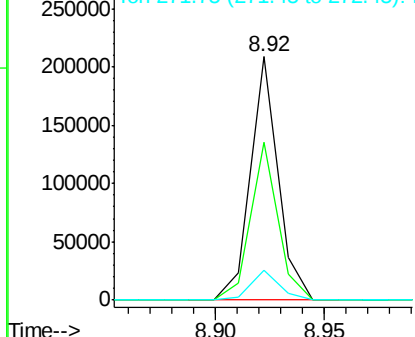
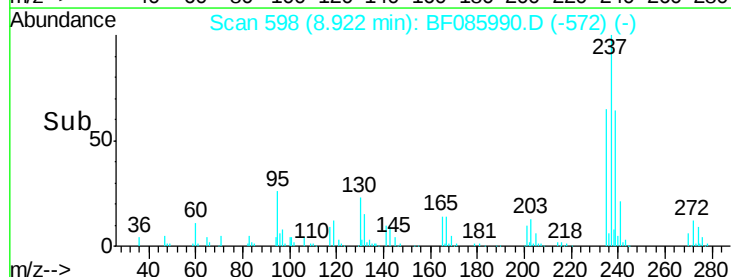


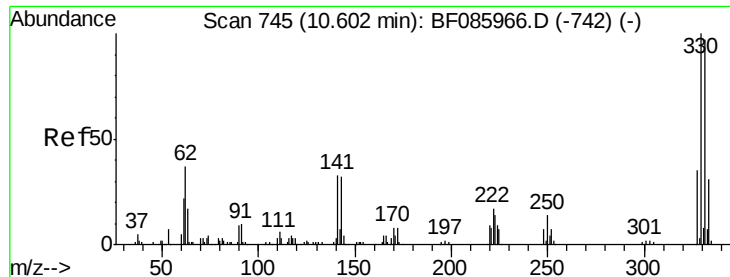
#40  
 Hexachlorocyclopentadiene  
 Concen: 79.31 ng  
 RT: 8.92 min Scan# 598  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 184621 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 64.6  | 43.7  | 83.7   |
| 272      | 12.0  | 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

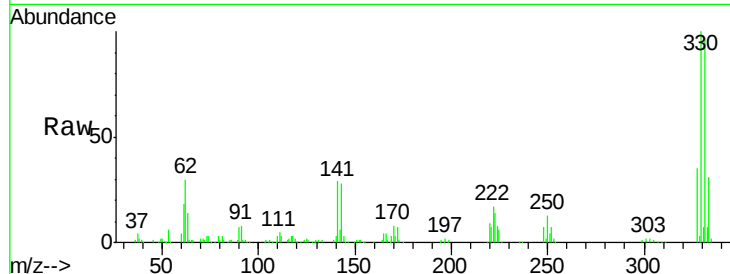




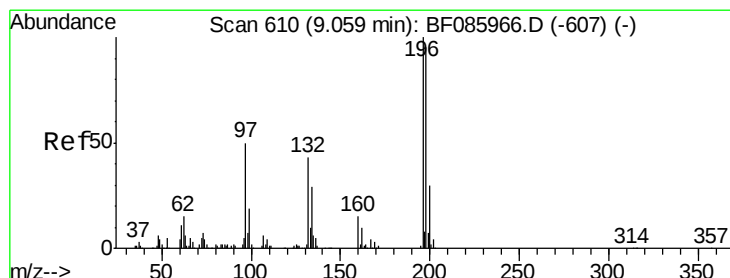
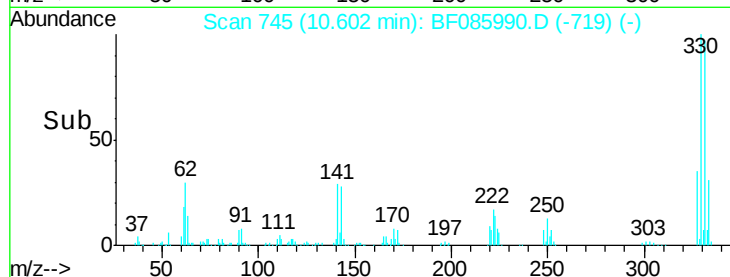
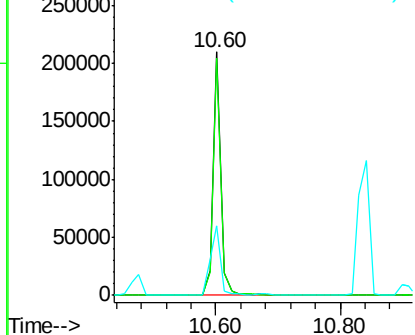
#41  
 2,4,6-Tribromophenol  
 Concen: 89.85 ng  
 RT: 10.60 min Scan# 745  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB89385BS

Tot Ion:330 Resp: 181030  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 78.2 117.2  
 141 37.6 31.5 47.3

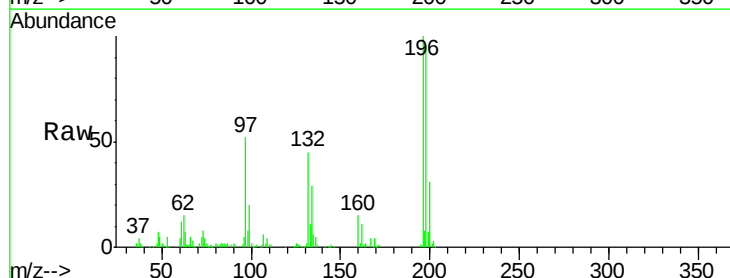


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

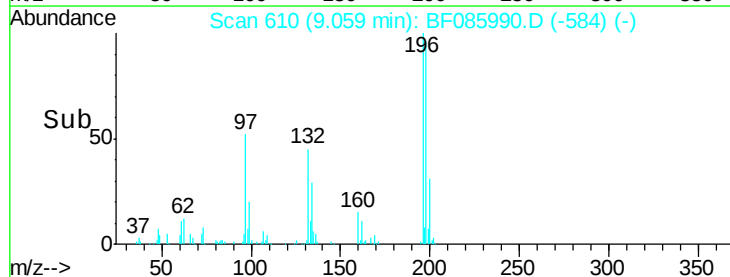
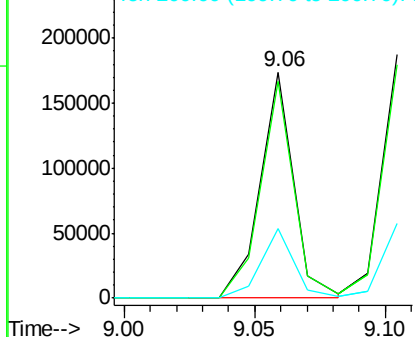


#42  
 2,4,6-Trichlorophenol  
 Concen: 37.85 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:196 Resp: 156805  
 Ion Ratio Lower Upper  
 196 100  
 198 96.1 75.3 112.9  
 200 31.0 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

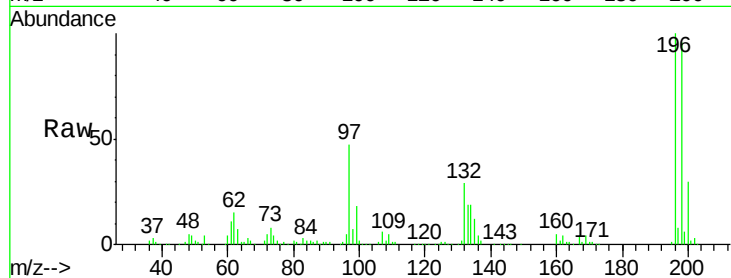




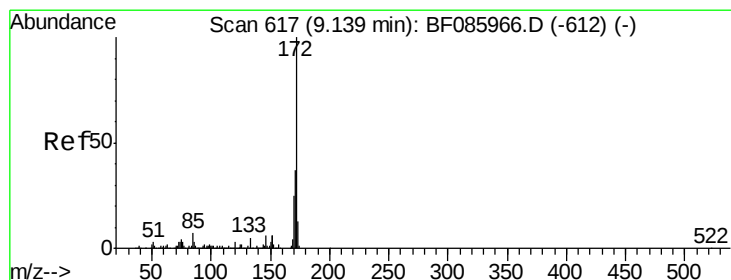
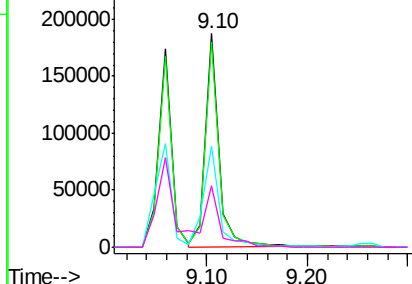
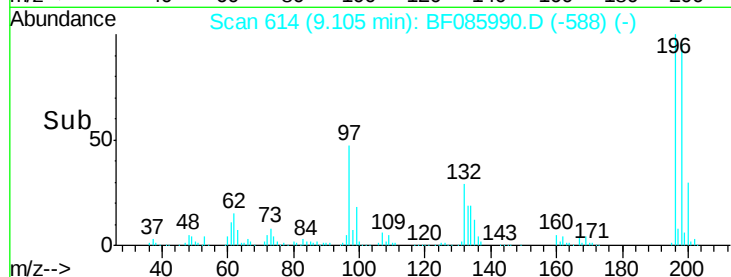
#43  
 2,4,5-Trichlorophenol  
 Concen: 41.78 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

Tot Ion:196 Resp: 175741  
 Ion Ratio Lower Upper  
 196 100  
 198 96.0 76.6 114.8  
 97 47.3 30.5 45.7#  
 132 29.0 20.2 30.2

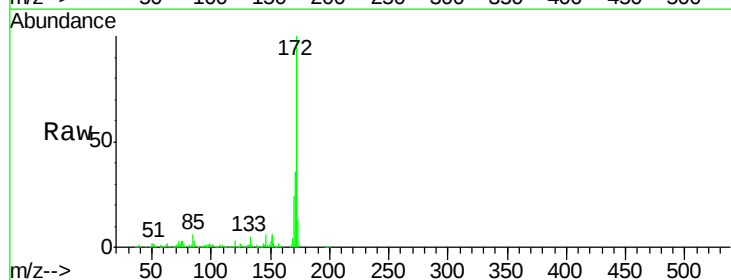


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

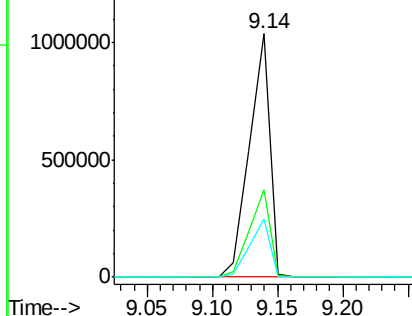
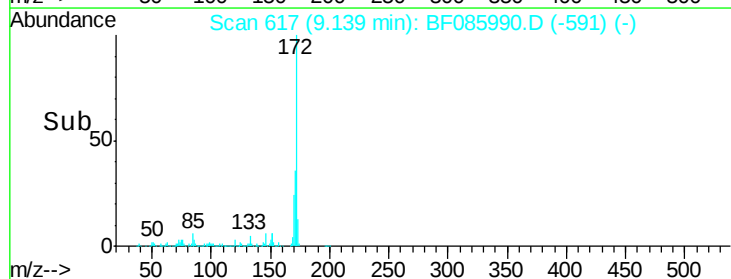


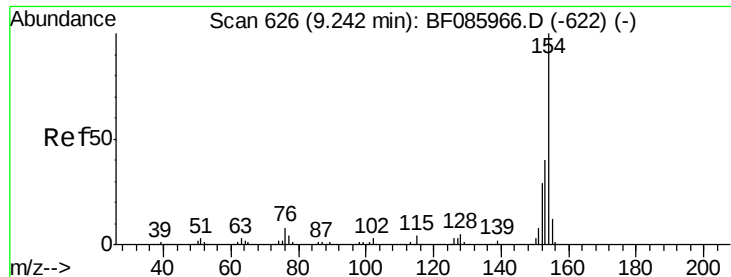
#44  
 2-Fluorobiphenyl  
 Concen: 87.79 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:172 Resp: 1133428  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.0 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: 35.50 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

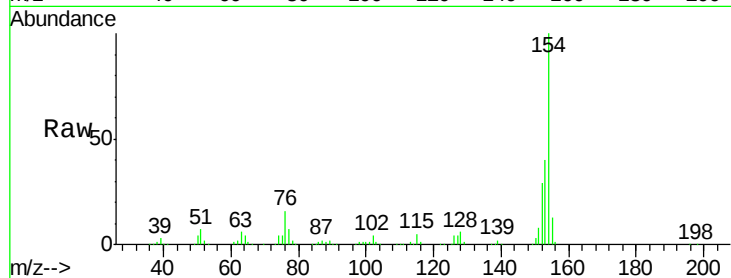
Tot Ion:154 Resp: 657081

Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

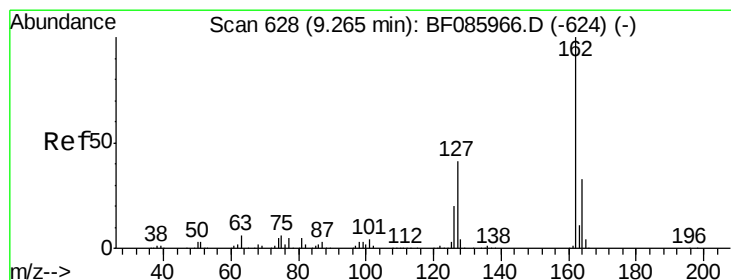
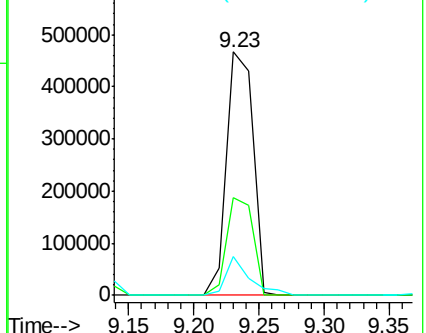
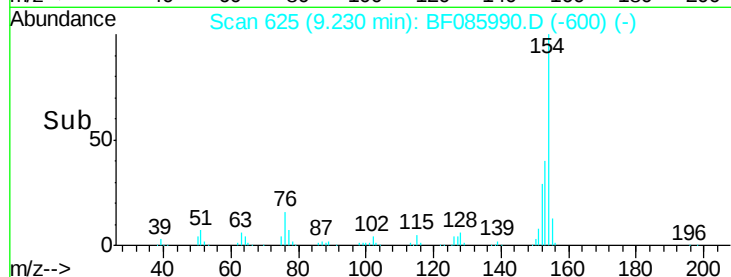
76 16.2 0.0 36.7



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: 38.73 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

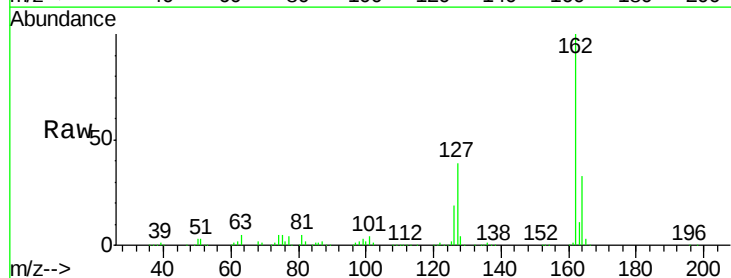
Tgt Ion:162 Resp: 519617

Ion Ratio Lower Upper

162 100

127 39.2 31.7 47.5

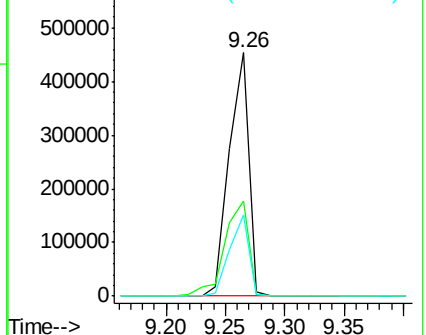
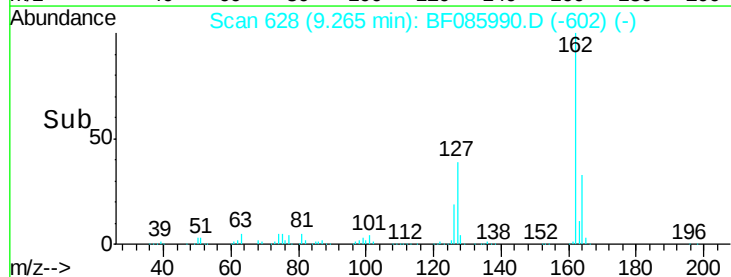
164 33.2 27.3 40.9

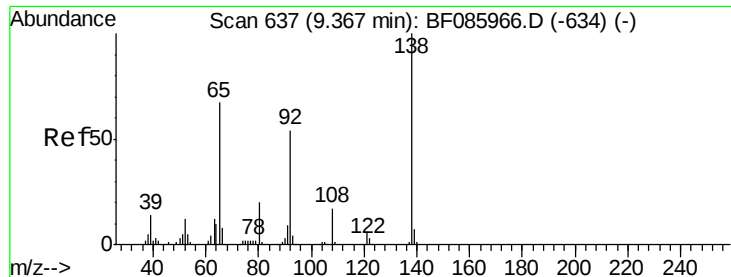


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

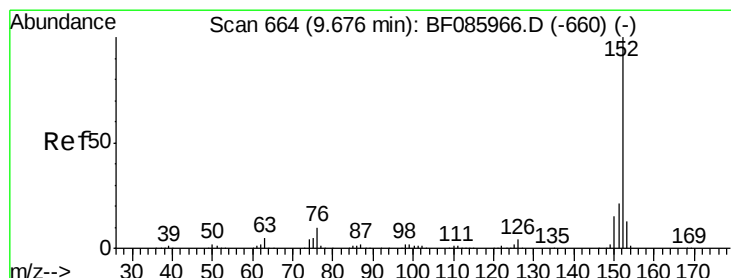
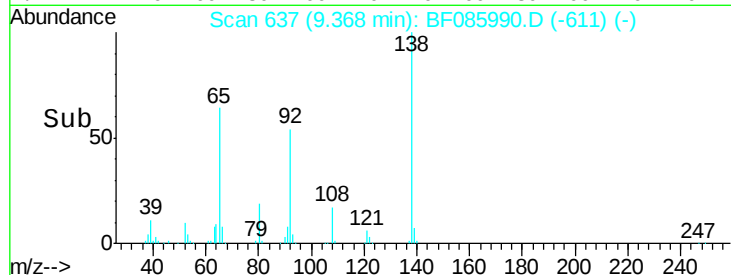
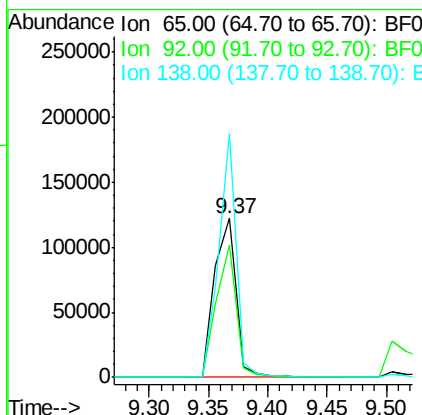
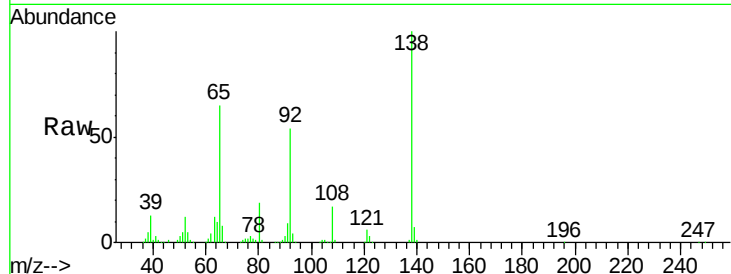




#47  
2-Nitroaniline  
Concen: 38.83 ng  
RT: 9.37 min Scan# 637  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

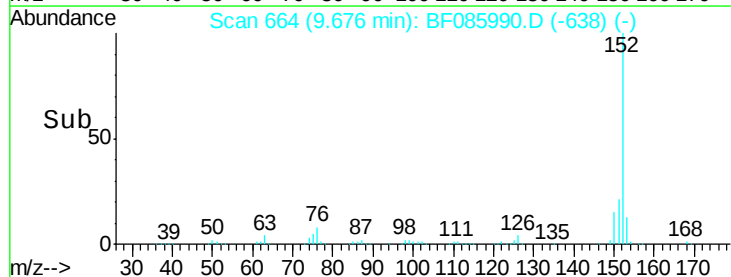
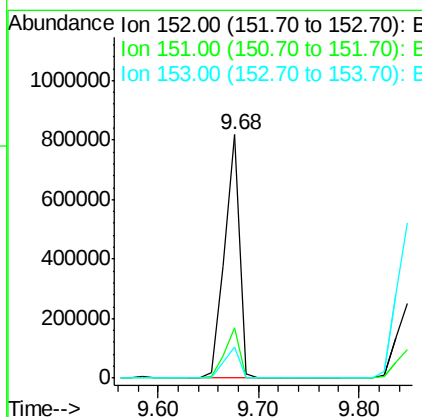
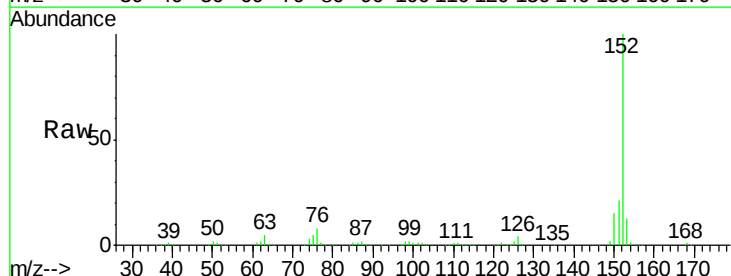
Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

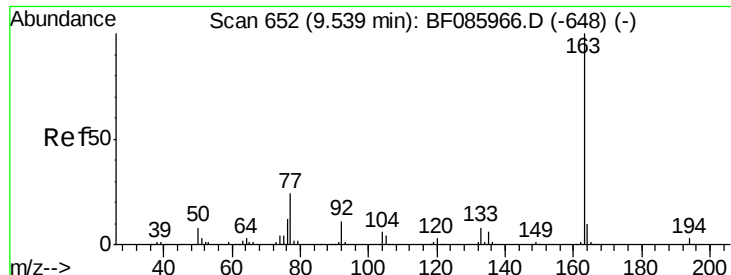
Tot Ion: 65 Resp: 152430  
Ion Ratio Lower Upper  
65 100  
92 83.5 59.7 89.5  
138 153.3 91.4 137.0#



#48  
Acenaphthylene  
Concen: 39.31 ng  
RT: 9.68 min Scan# 664  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion: 152 Resp: 844817  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.8 25.2  
153 12.9 10.9 16.3

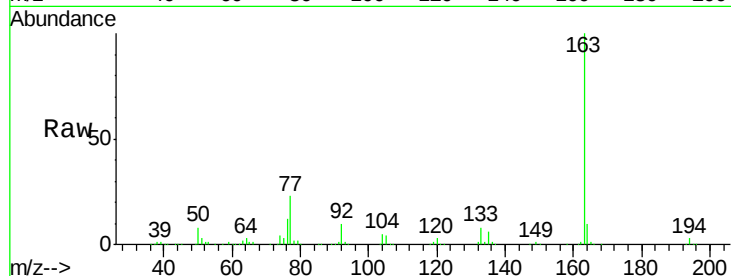




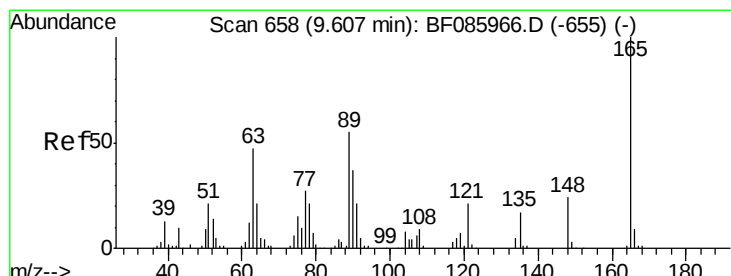
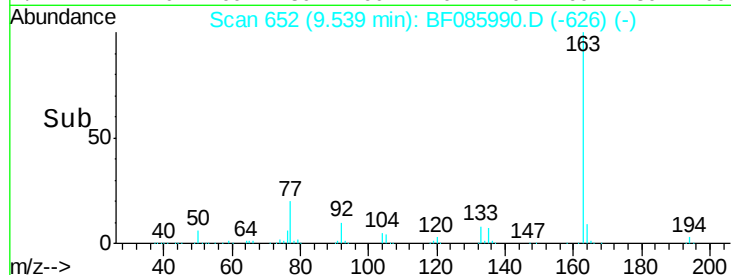
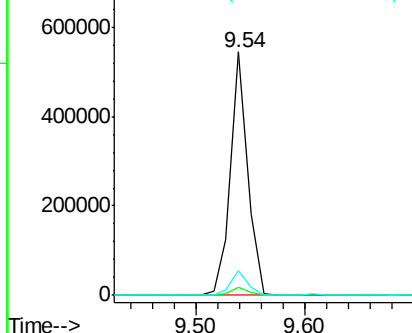
#49  
Dimethylphthalate  
Concen: 37.32 ng  
RT: 9.54 min Scan# 652  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

Tot Ion:163 Resp: 593683  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.9 4.3  
164 10.4 8.3 12.5

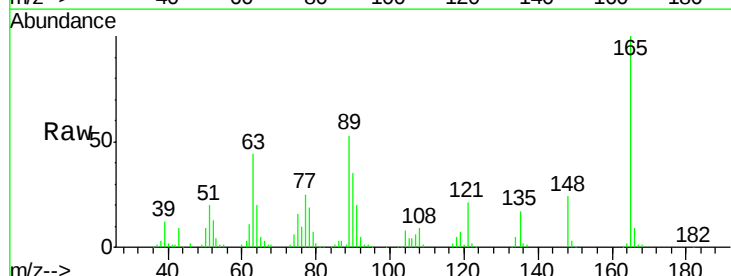


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

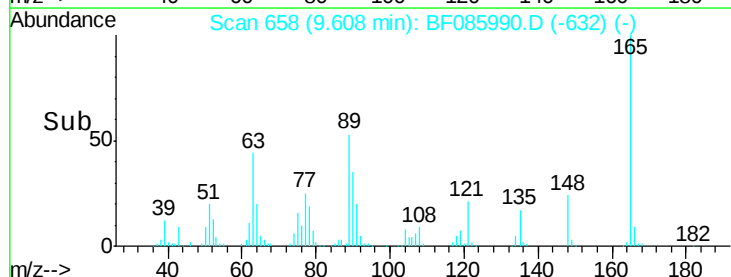
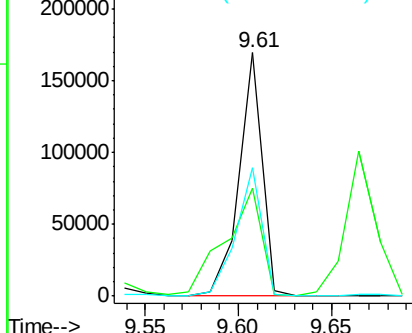


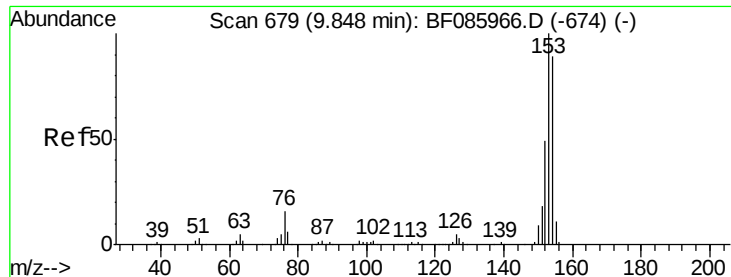
#50  
2,6-Dinitrotoluene  
Concen: 44.00 ng  
RT: 9.61 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion:165 Resp: 148099  
Ion Ratio Lower Upper  
165 100  
63 44.3 51.8 77.8#  
89 52.9 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: 39.86 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

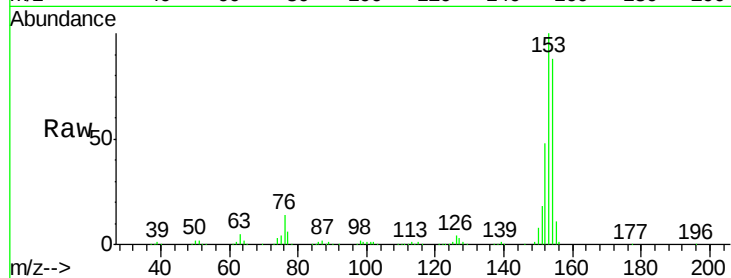
Tot Ion:154 Resp: 509475

Ion Ratio Lower Upper

154 100

153 113.2 90.1 135.1

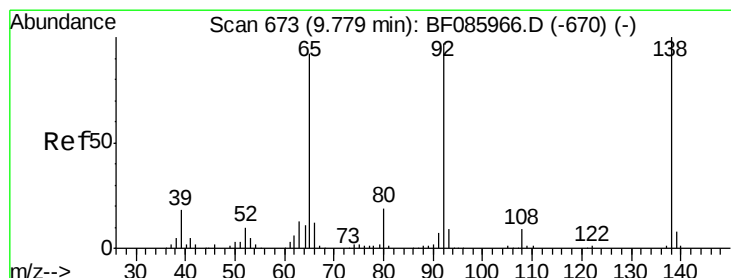
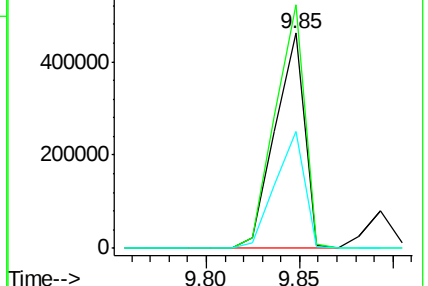
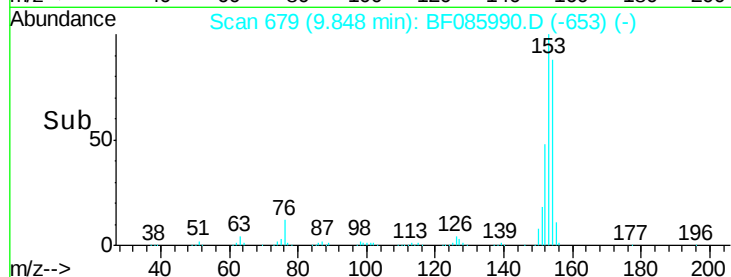
152 54.6 44.2 66.2



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: 7.05 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

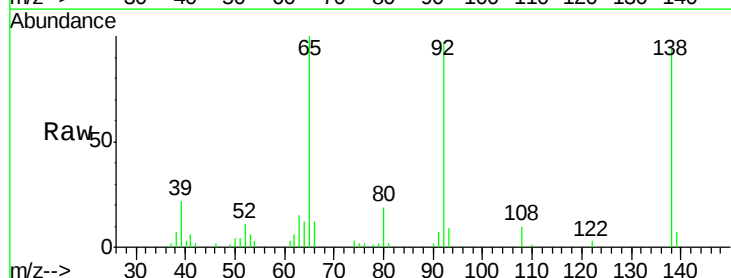
Tgt Ion:138 Resp: 28588

Ion Ratio Lower Upper

138 100

108 10.3 8.7 13.1

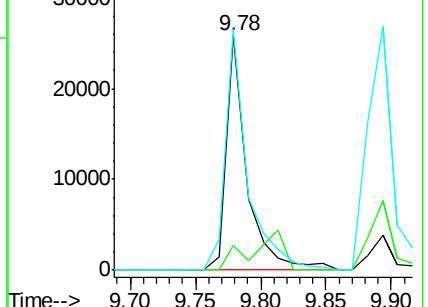
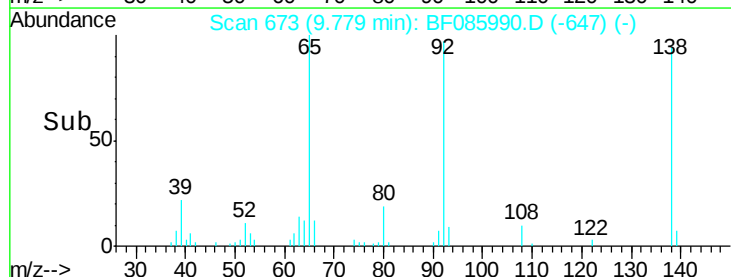
92 103.1 93.3 139.9

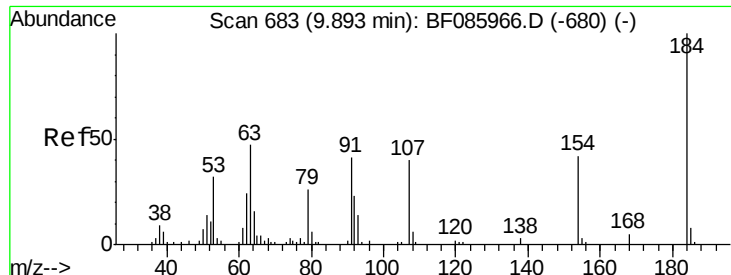


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

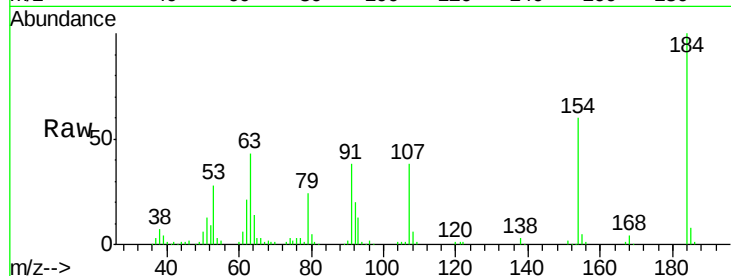




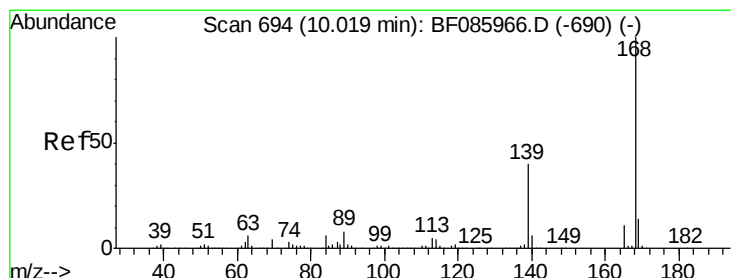
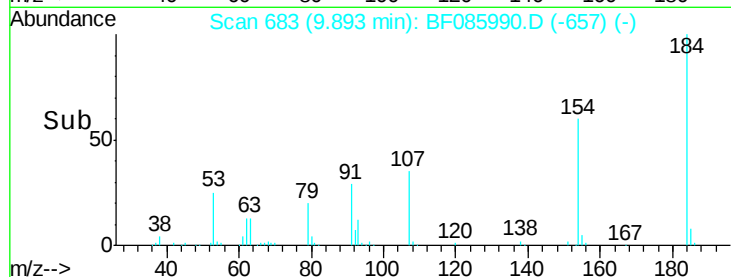
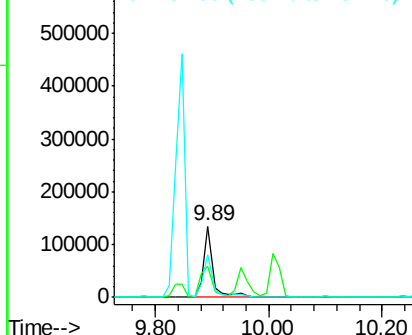
#53  
 2,4-Dinitrophenol  
 Concen: 70.09 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

Tot Ion:184 Resp: 152379  
 Ion Ratio Lower Upper  
 184 100  
 63 43.0 69.5 104.3#  
 154 60.3 58.3 87.5

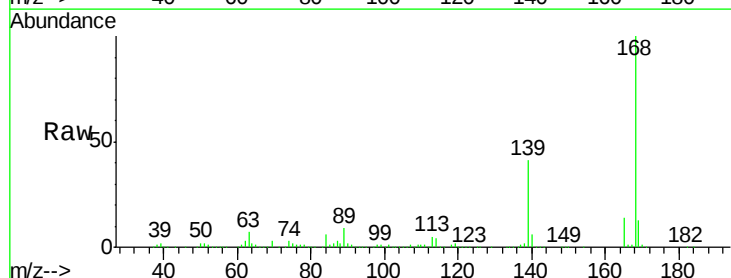


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

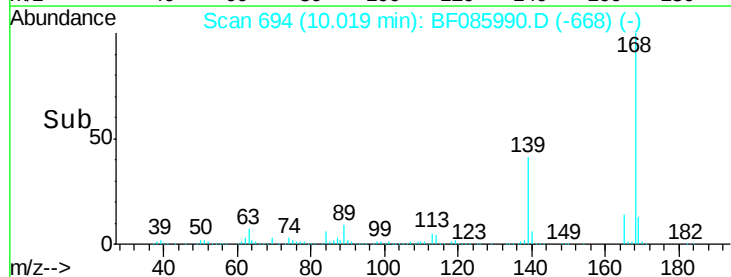
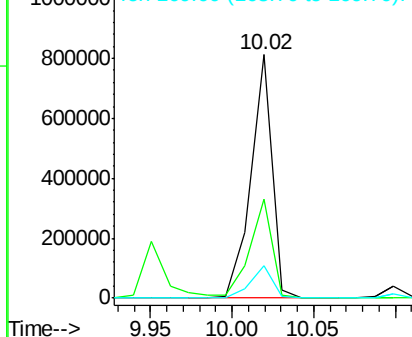


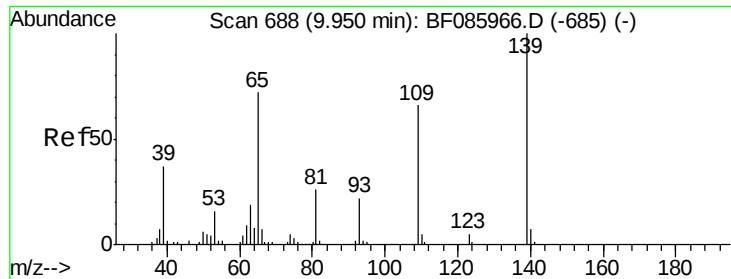
#54  
 Dibenzofuran  
 Concen: 43.40 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:168 Resp: 732584  
 Ion Ratio Lower Upper  
 168 100  
 139 40.8 31.9 47.9  
 169 13.4 11.0 16.6



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





#55

4-Nitrophenol

Concen: 76.41 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

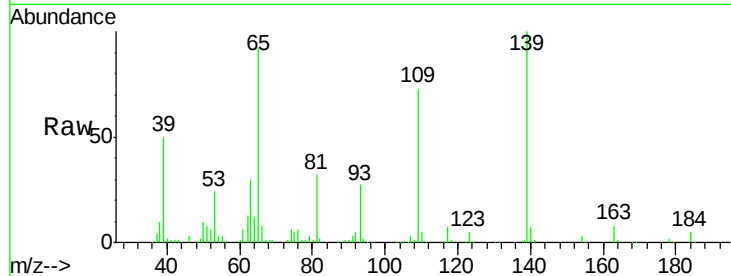
Tot Ion:139 Resp: 182734

Ion Ratio Lower Upper

139 100

109 72.6 49.2 89.2

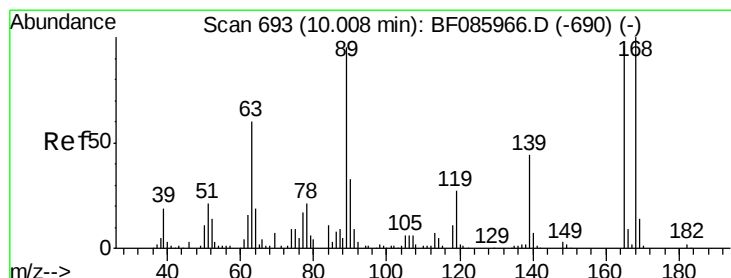
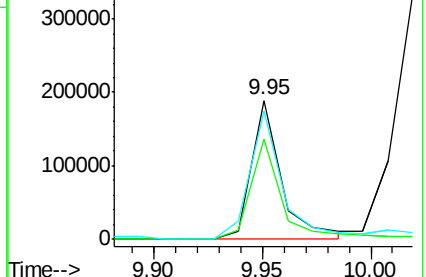
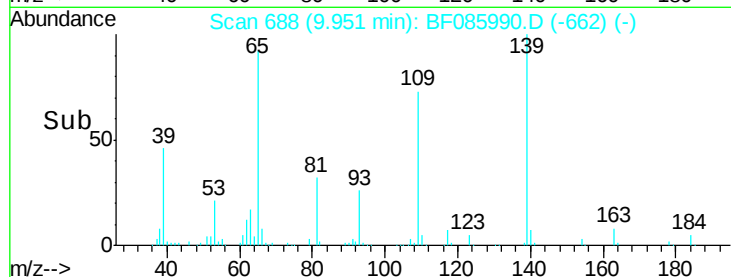
65 92.5 66.9 106.9



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: 39.01 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Tgt Ion:165 Resp: 165918

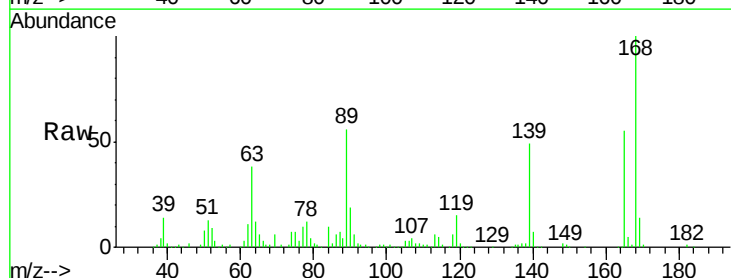
Ion Ratio Lower Upper

165 100

63 68.9 24.9 37.3#

89 101.3 41.0 61.6#

182 2.2 2.1 3.1

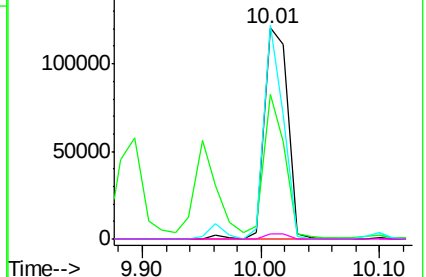
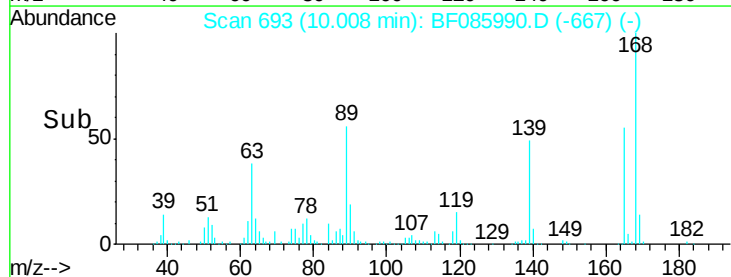


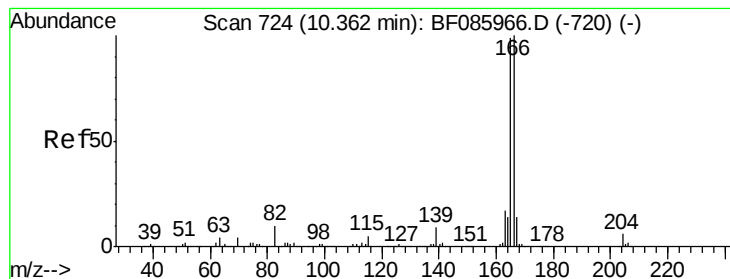
Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.65 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

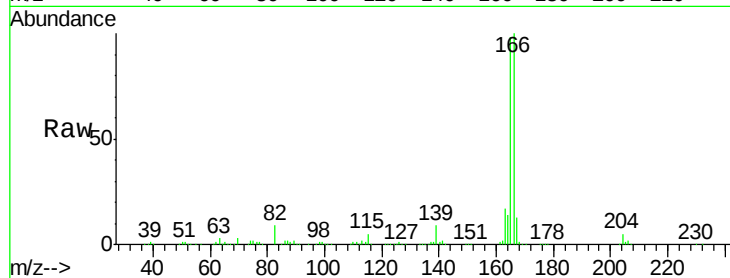
Tot Ion:166 Resp: 586164

Ion Ratio Lower Upper

166 100

165 98.3 79.4 119.0

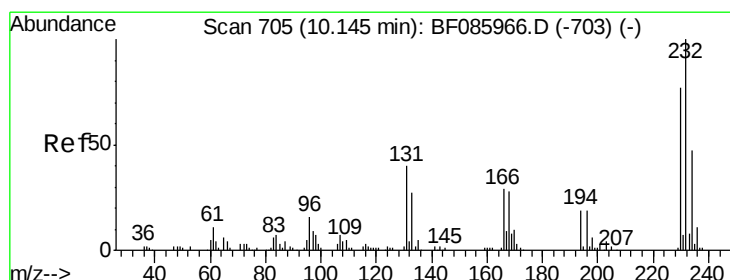
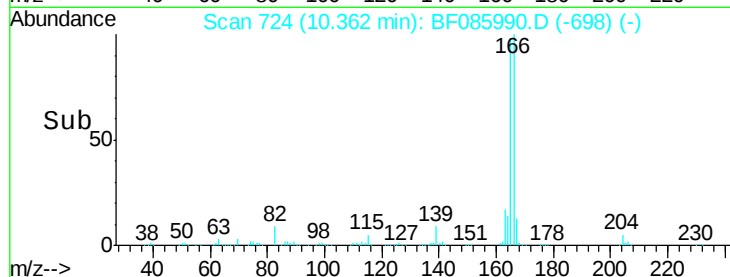
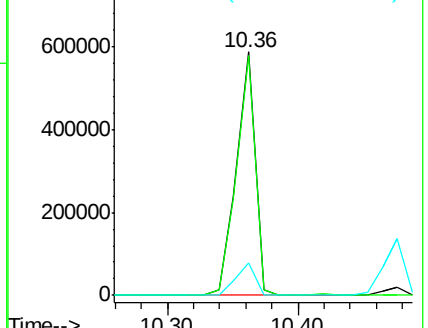
167 13.3 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.24 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Tgt Ion:232 Resp: 135411

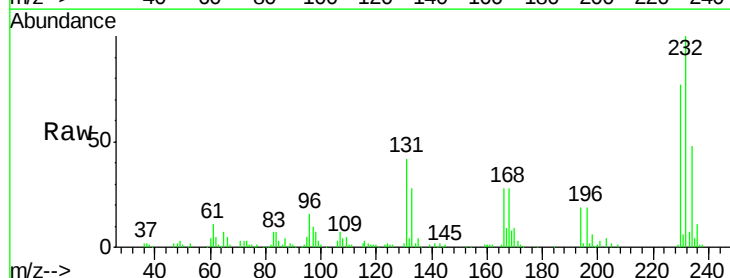
Ion Ratio Lower Upper

232 100

131 54.3 44.9 67.3

130 2.6 2.3 3.5

166 30.9 28.1 42.1

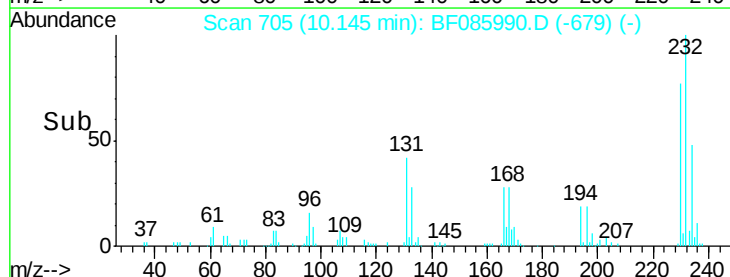
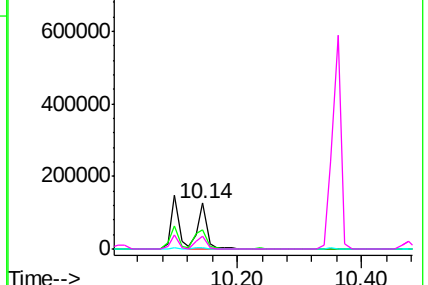


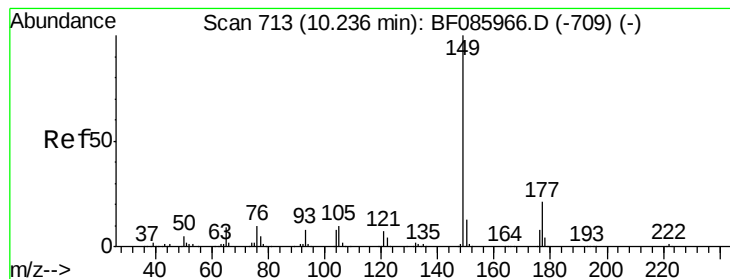
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 37.56 ng

RT: 10.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

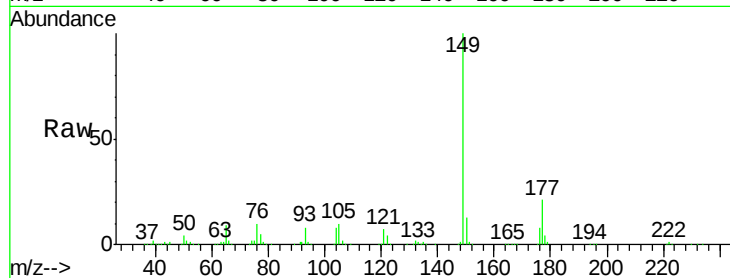
Tot Ion:149 Resp: 603141

Ion Ratio Lower Upper

149 100

177 21.4 17.9 26.9

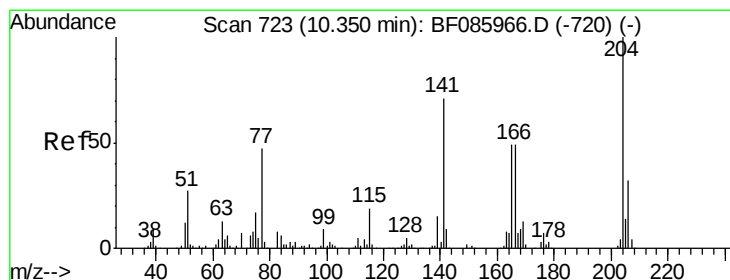
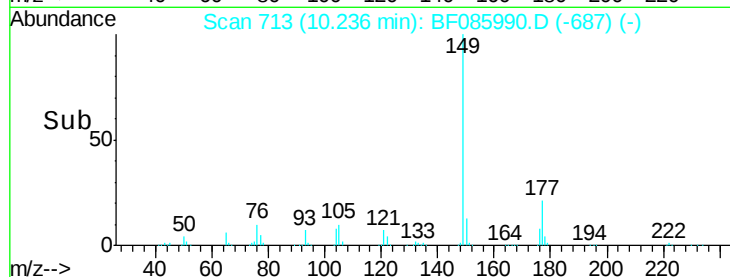
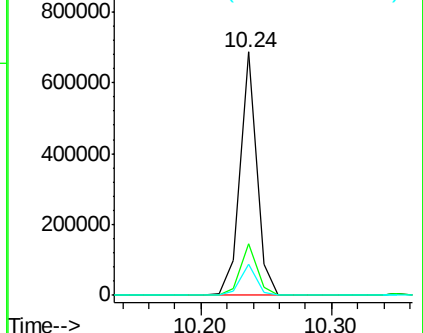
150 12.8 10.2 15.2



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: 38.86 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

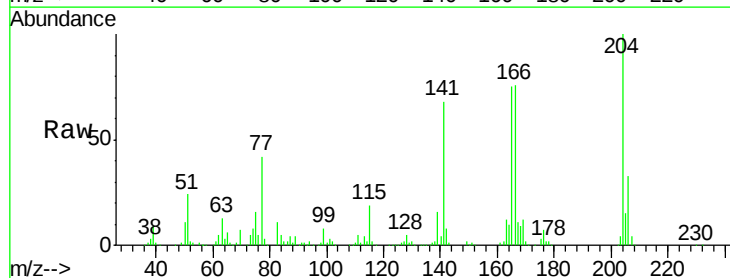
Tgt Ion:204 Resp: 260994

Ion Ratio Lower Upper

204 100

206 33.1 26.6 39.8

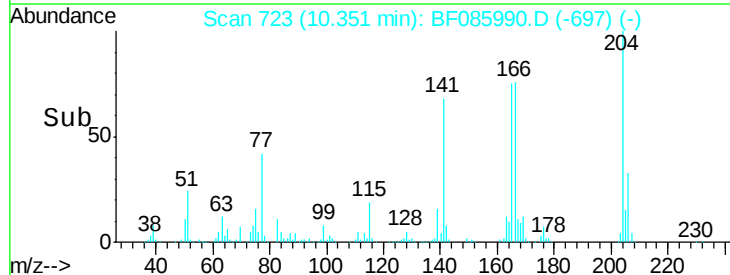
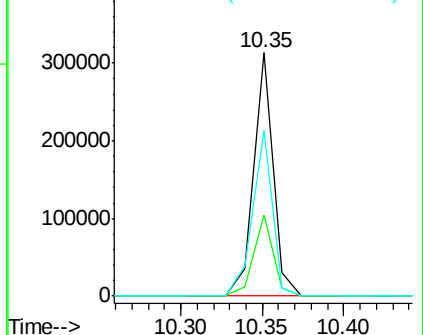
141 68.0 57.4 86.0

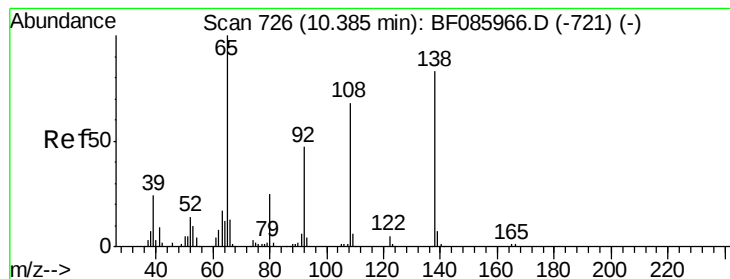


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 27.33 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

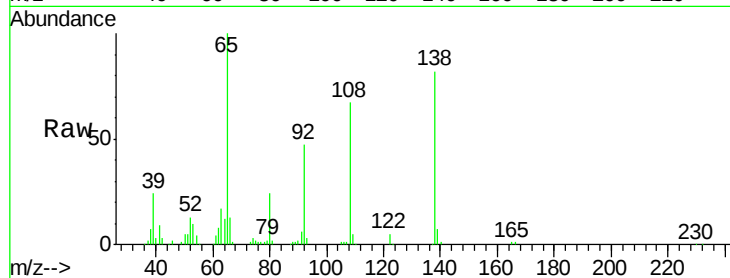
Tot Ion:138 Resp: 109188

Ion Ratio Lower Upper

138 100

92 57.5 26.4 66.4

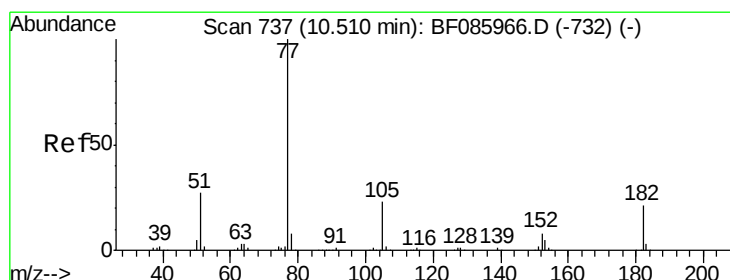
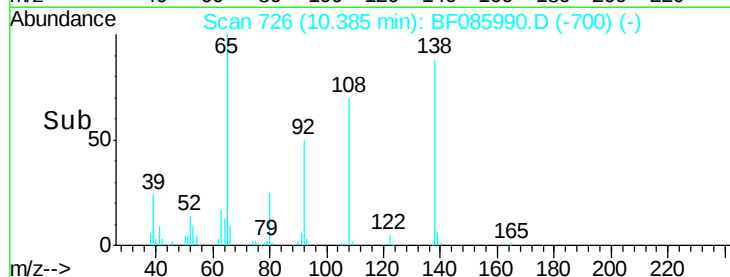
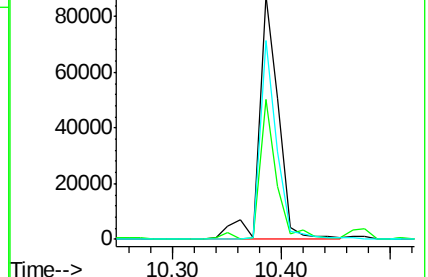
108 81.5 49.0 89.0



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: 42.99 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Tgt Ion: 77 Resp: 661299

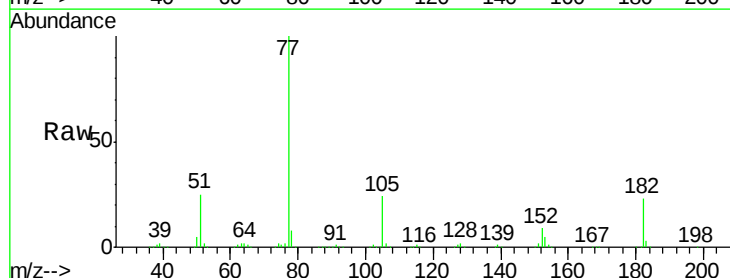
Ion Ratio Lower Upper

77 100

182 23.0 1.9 41.9

105 23.5 3.5 43.5

51 25.4 6.3 46.3

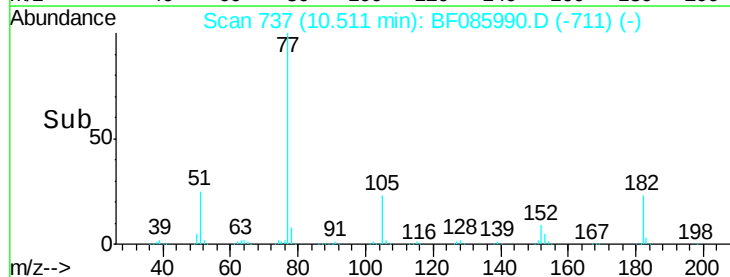
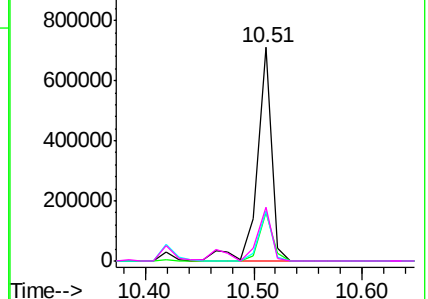


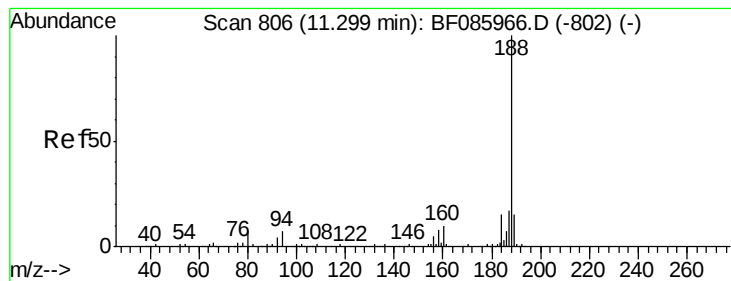
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

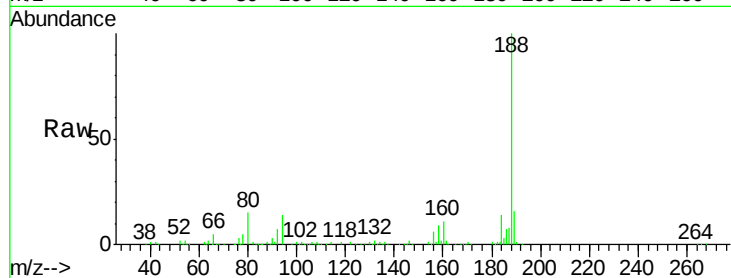
Tot Ion:188 Resp: 405429

Ion Ratio Lower Upper

188 100

94 13.9 5.4 8.0#

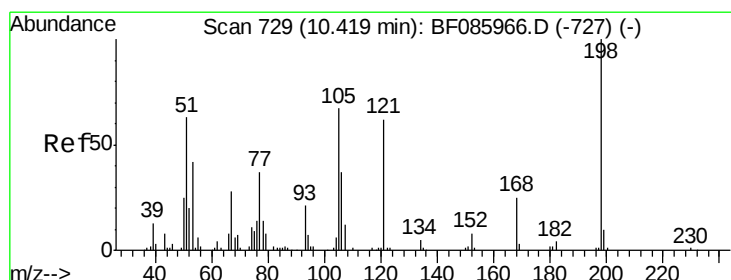
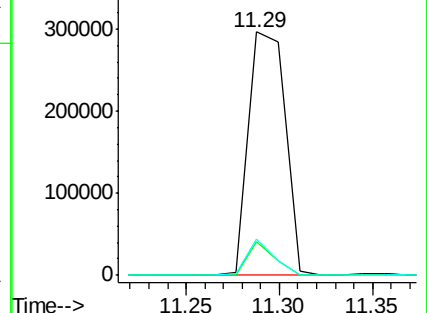
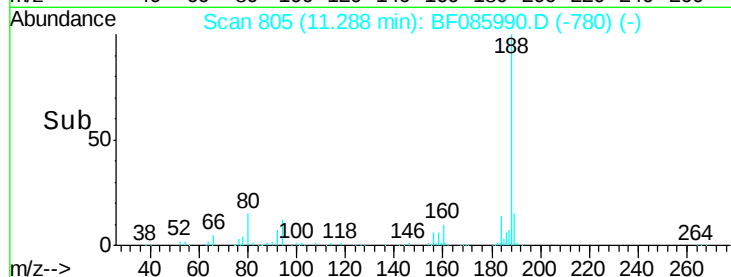
80 14.9 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 39.21 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

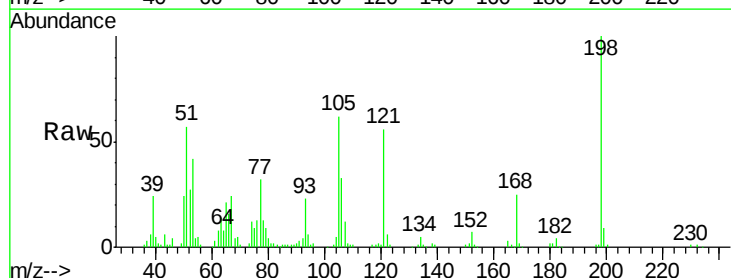
Tgt Ion:198 Resp: 96338

Ion Ratio Lower Upper

198 100

51 57.2 45.4 85.4

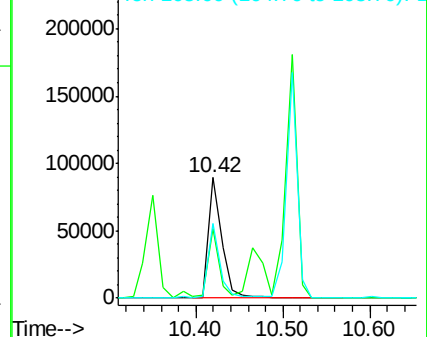
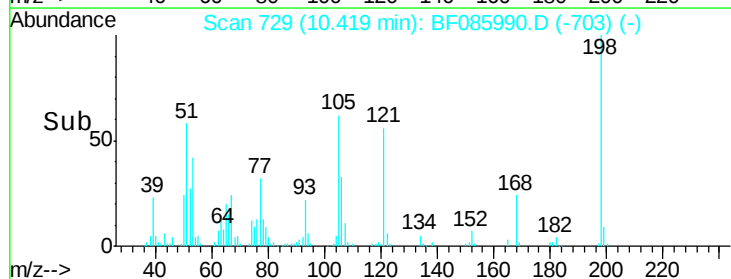
105 61.8 45.9 85.9

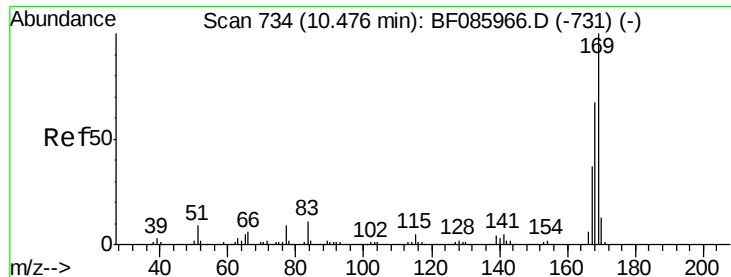


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 31.69 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

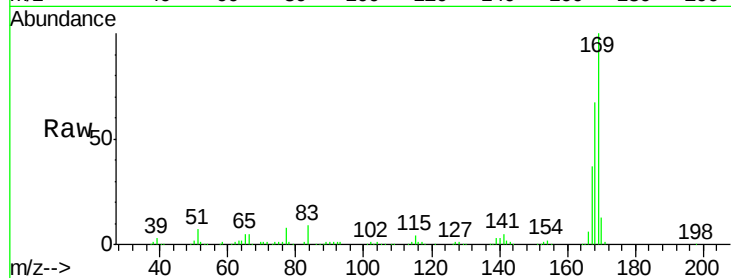
Tot Ion:169 Resp: 401823

Ion Ratio Lower Upper

169 100

168 67.0 54.4 81.6

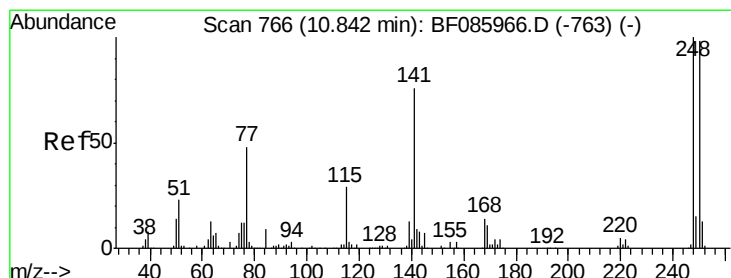
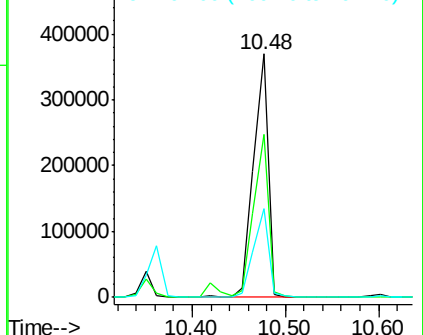
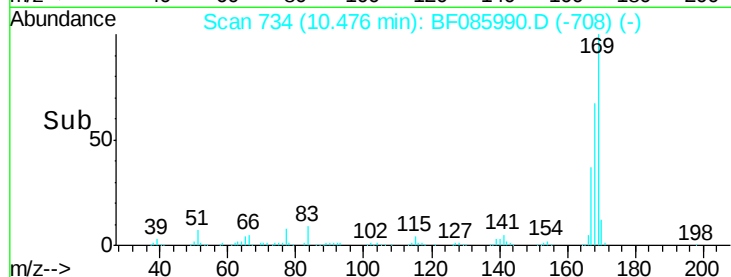
167 36.7 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 40.42 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

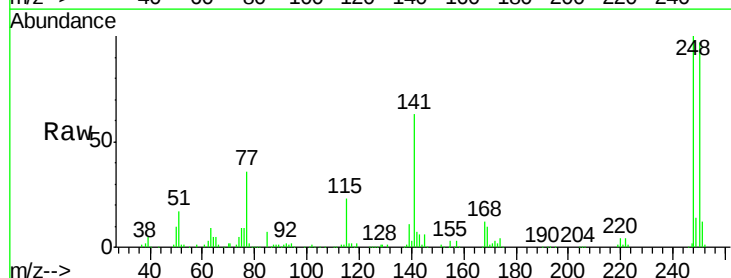
Tgt Ion:248 Resp: 167300

Ion Ratio Lower Upper

248 100

250 97.2 77.4 116.0

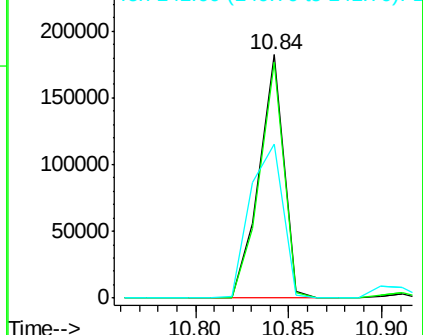
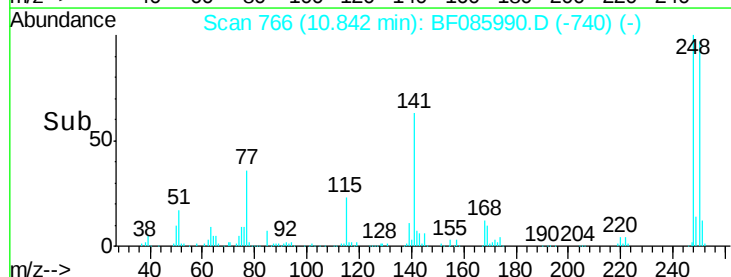
141 63.5 63.6 95.4#

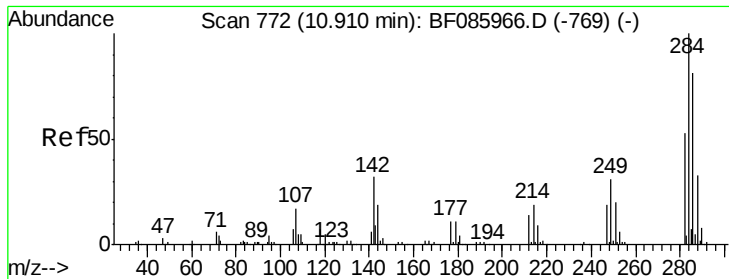


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

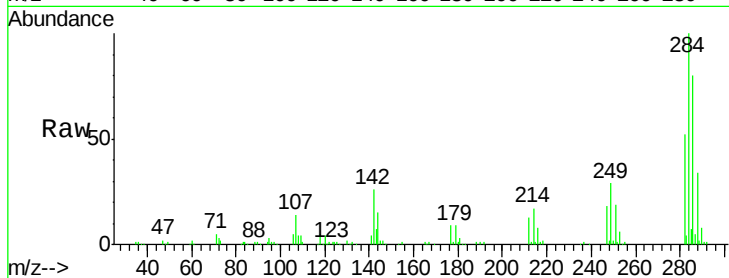




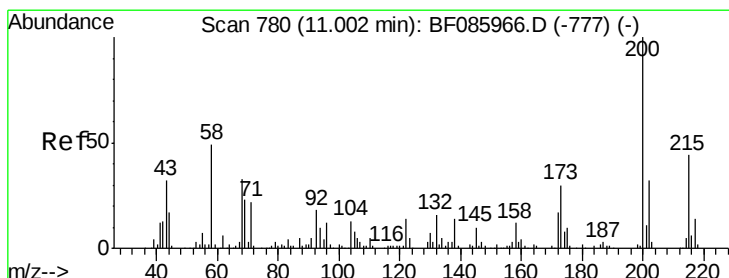
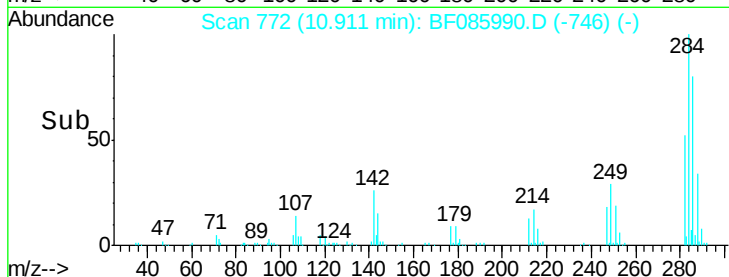
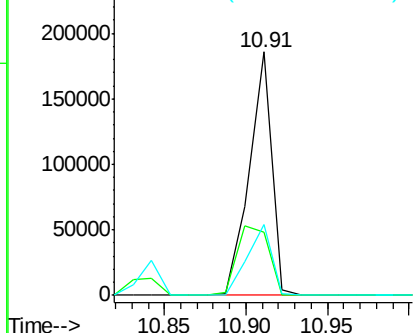
#67  
Hexachlorobenzene  
Concen: 41.56 ng  
RT: 10.91 min Scan# 772  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

Tot Ion:284 Resp: 177899  
Ion Ratio Lower Upper  
284 100  
142 26.0 23.1 34.7  
249 29.3 24.2 36.2

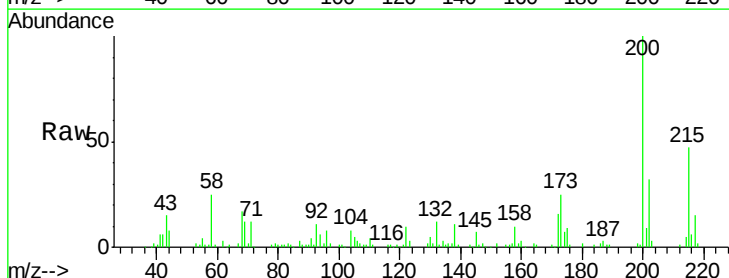


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

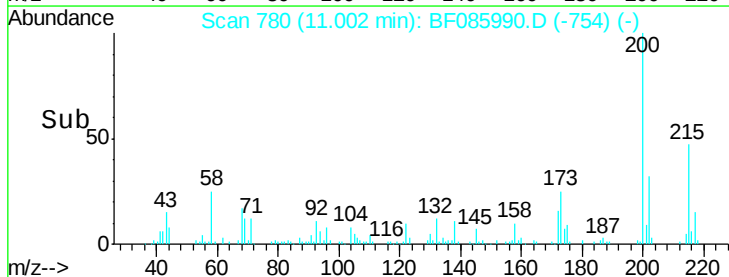
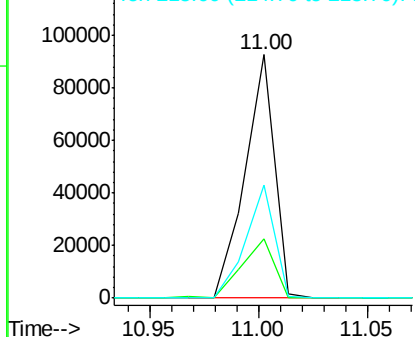


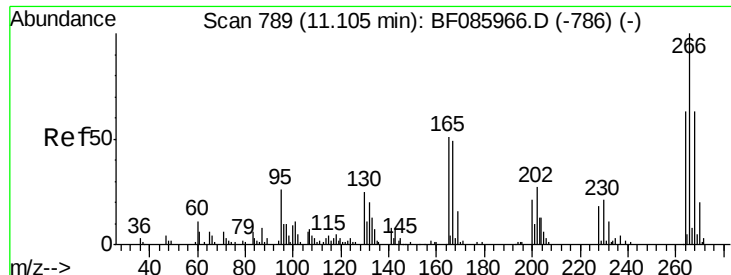
#68  
Atrazine  
Concen: 21.18 ng  
RT: 11.00 min Scan# 780  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion:200 Resp: 86790  
Ion Ratio Lower Upper  
200 100  
173 24.6 7.7 47.7  
215 46.5 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

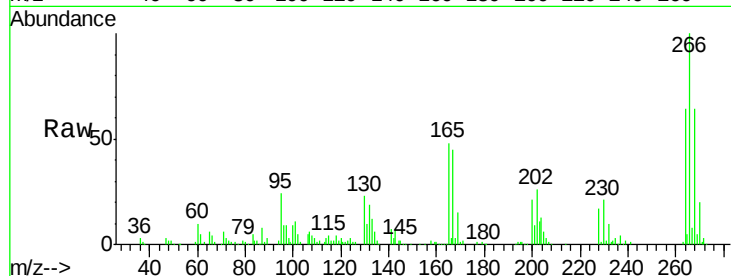




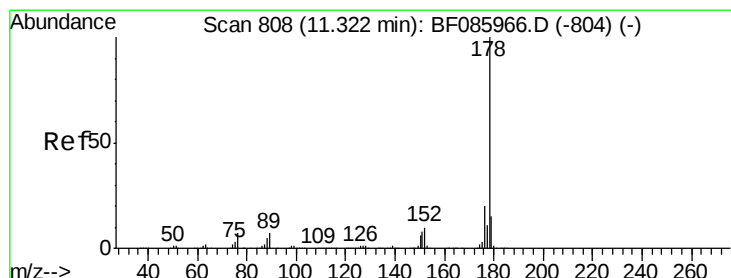
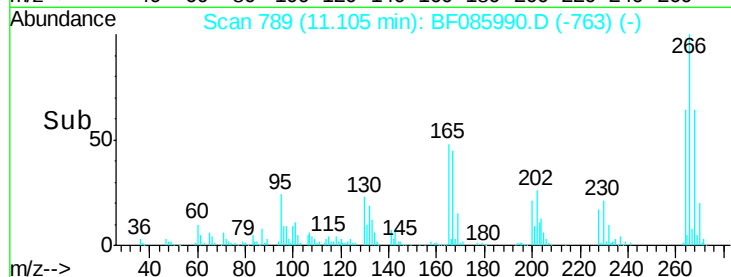
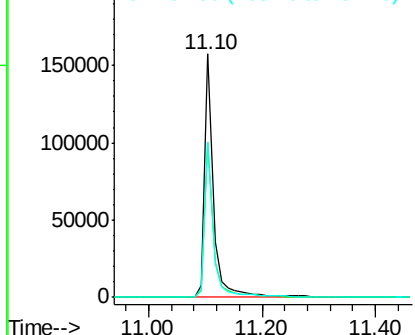
#69  
 Pentachlorophenol  
 Concen: 83.08 ng  
 RT: 11.10 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

Tot Ion:266 Resp: 166666  
 Ion Ratio Lower Upper  
 266 100  
 268 63.6 51.5 77.3  
 264 63.6 50.6 76.0

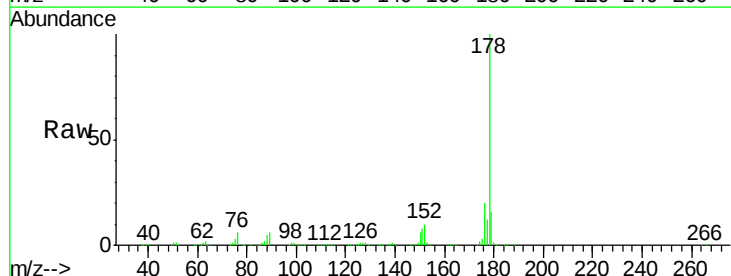


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

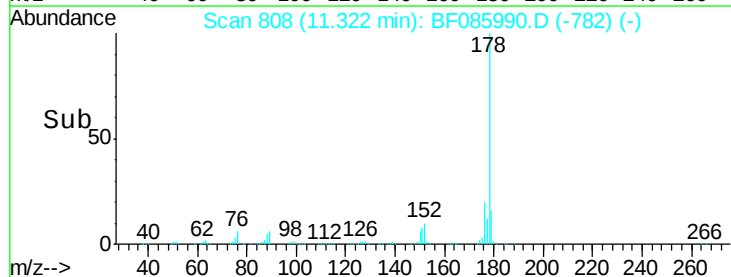
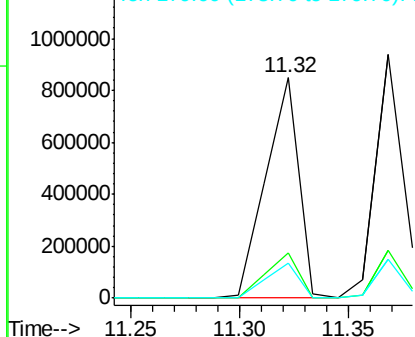


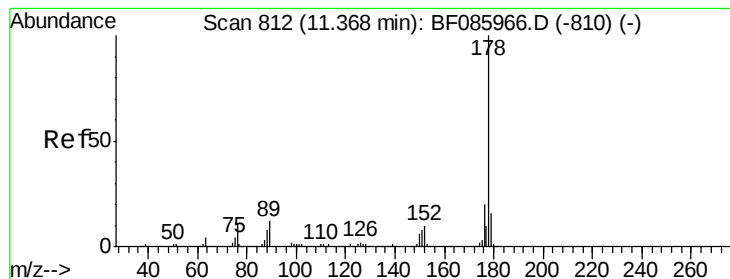
#70  
 Phenanthrene  
 Concen: 40.97 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:178 Resp: 906174  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 16.3 24.5  
 179 15.7 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: 36.17 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

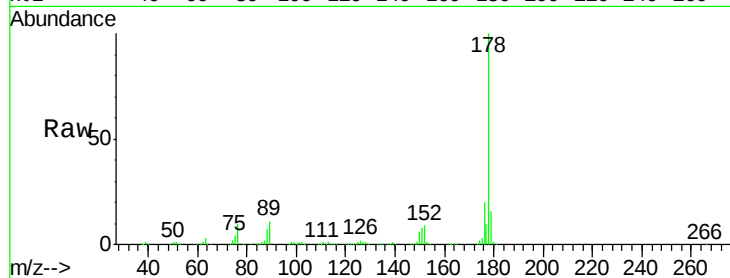
Tot Ion:178 Resp: 837930

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

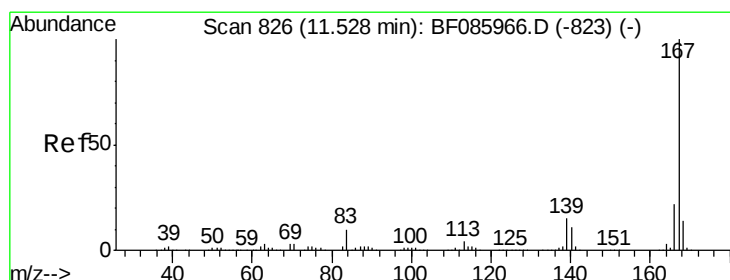
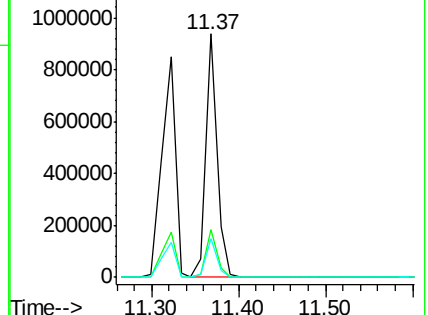
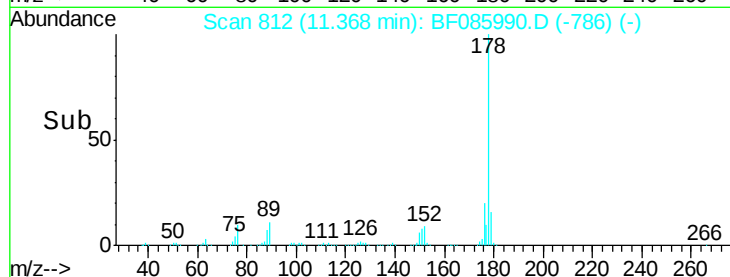
179 16.0 13.0 19.4



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: 28.90 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

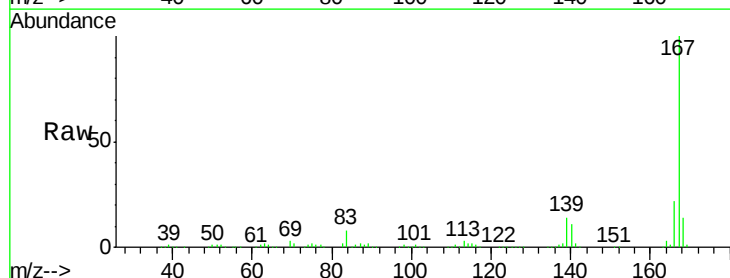
Tgt Ion:167 Resp: 575552

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.8

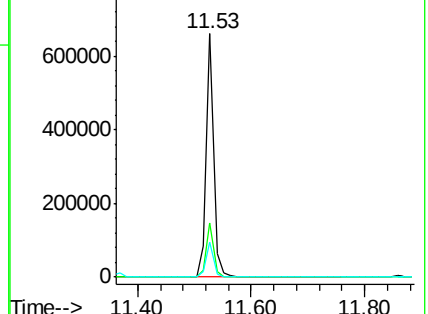
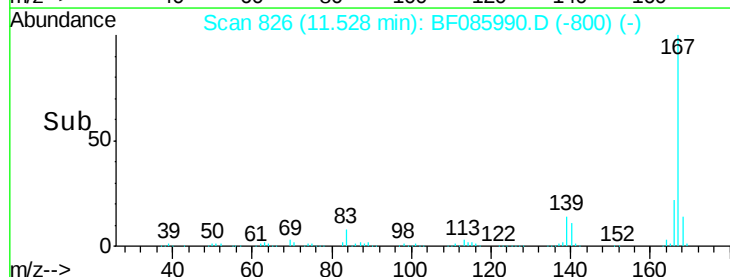
139 14.2 11.6 17.4

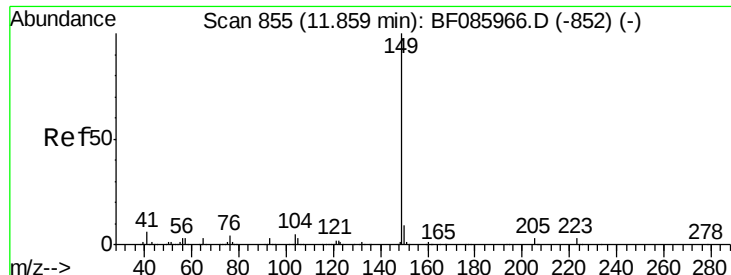


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.27 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleID :

PB89385BS

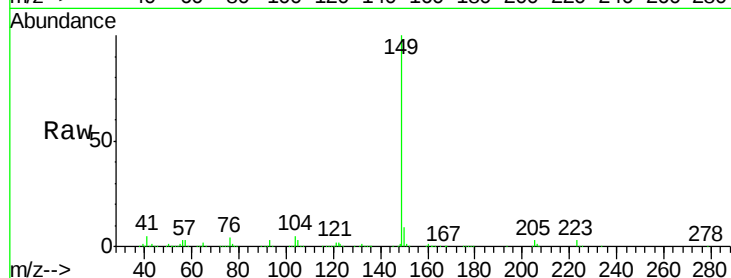
Tot Ion:149 Resp: 1043167

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

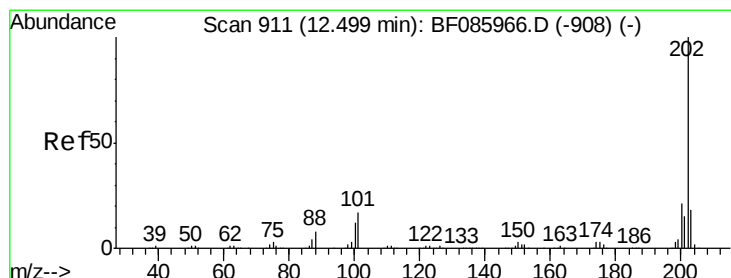
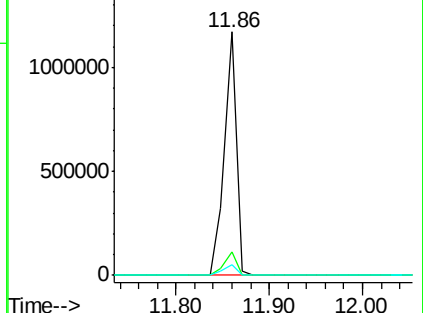
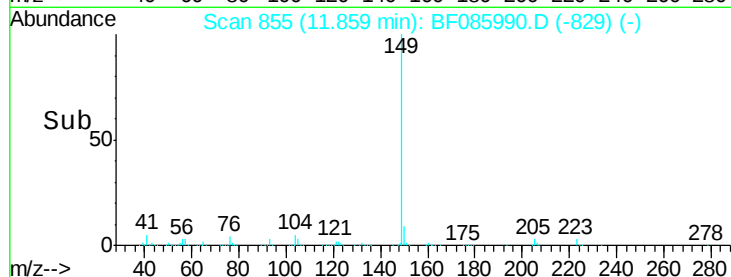
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.71 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

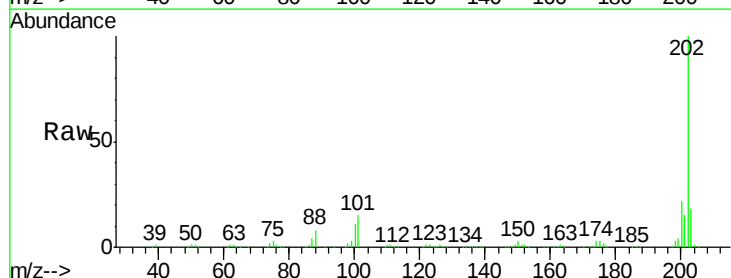
Tgt Ion:202 Resp: 867588

Ion Ratio Lower Upper

202 100

101 15.3 0.0 36.6

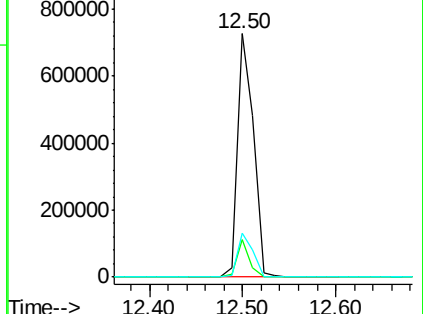
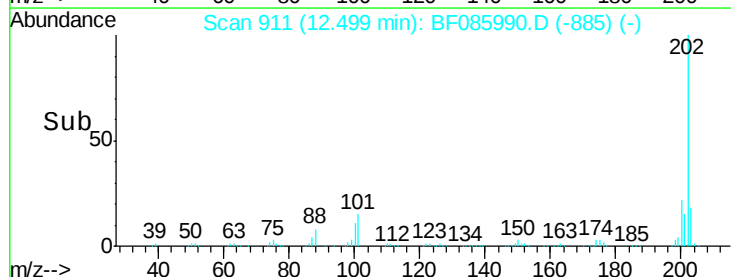
203 18.0 0.0 38.1

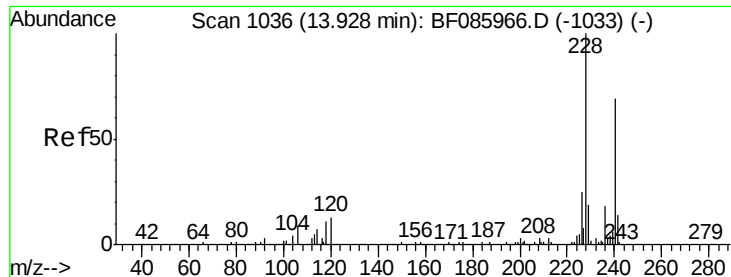


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

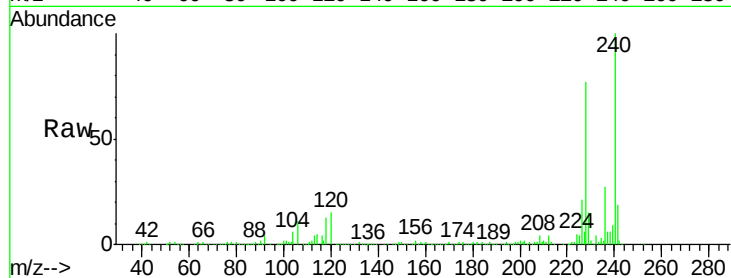
Tot Ion:240 Resp: 341394

Ion Ratio Lower Upper

240 100

120 15.2 13.8 20.8

236 26.6 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

500000

400000

300000

200000

100000

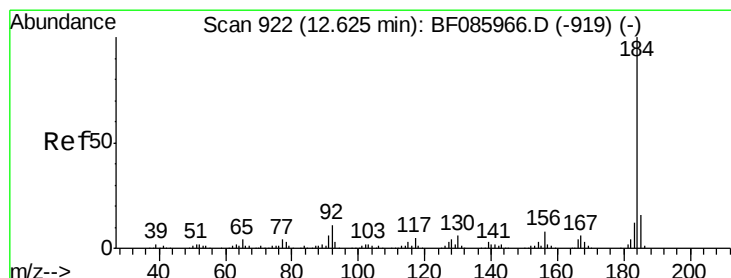
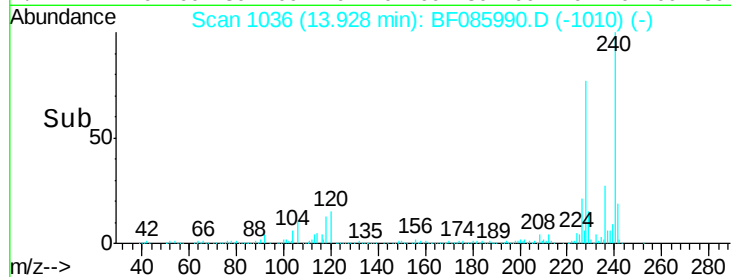
0

13.93

13.90

14.00

Time-->



#76

Benzidine

Concen: 4.60 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

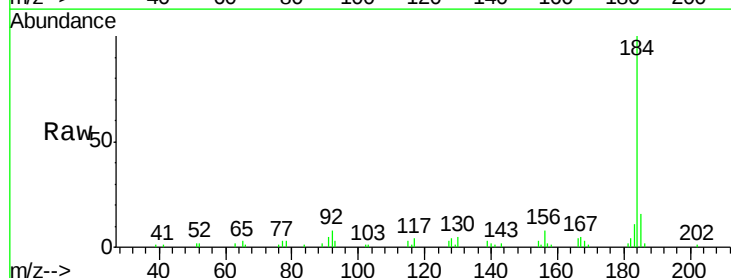
Tgt Ion:184 Resp: 55433

Ion Ratio Lower Upper

184 100

185 16.1 12.4 18.6

183 11.2 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

30000

20000

10000

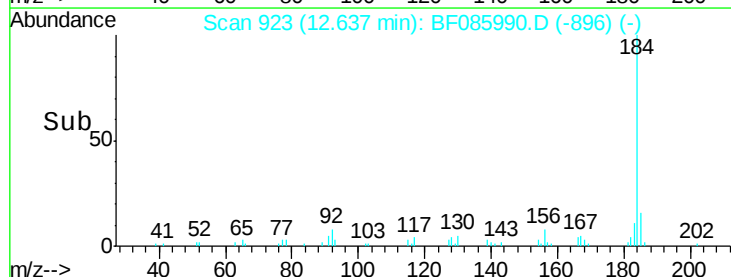
0

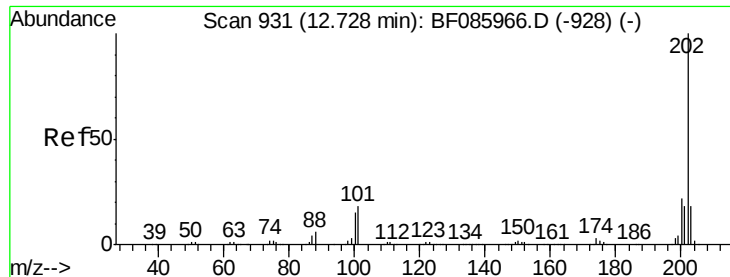
12.64

12.60

12.80

Time-->

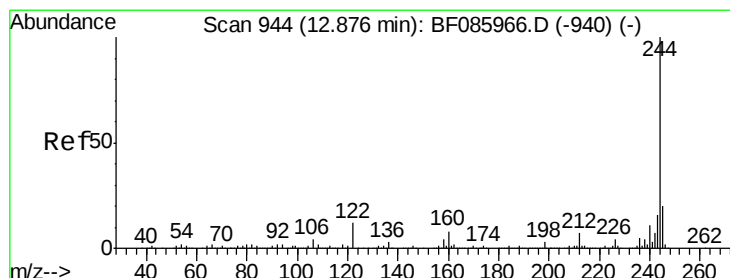
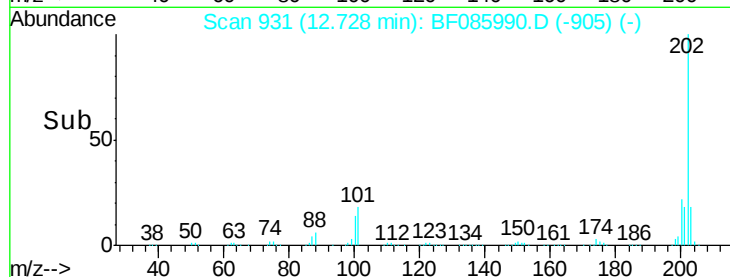
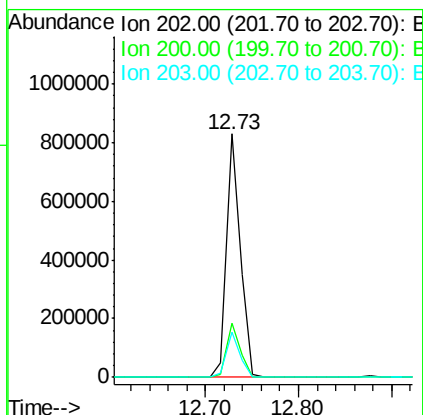
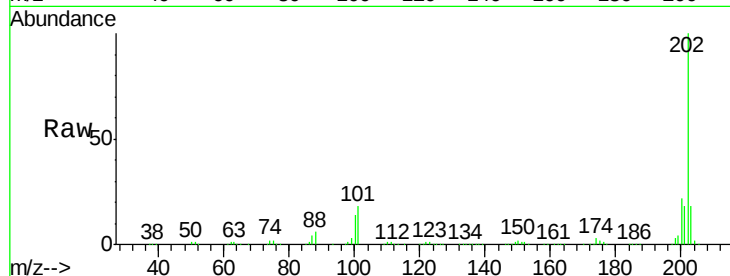




#77  
Pvrene  
Concen: 35.61 ng  
RT: 12.73 min Scan# 931  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

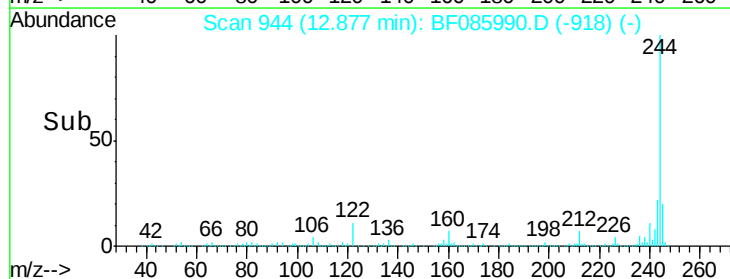
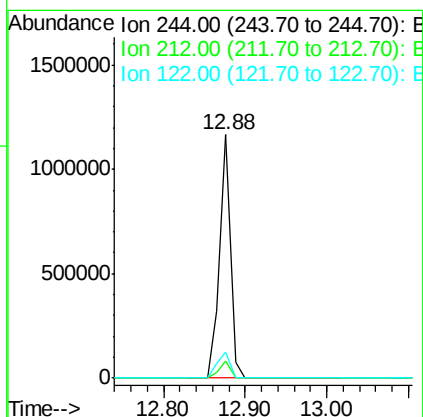
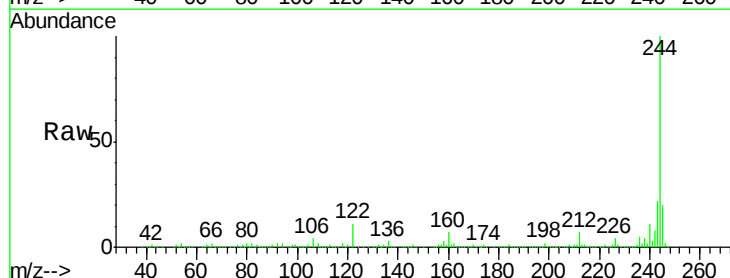
Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

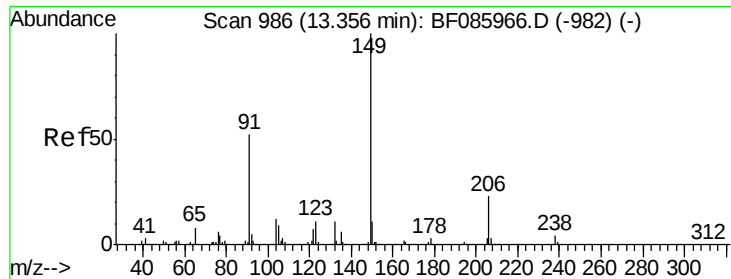
Tot Ion:202 Resp: 856735  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.6 26.4  
203 18.5 14.0 21.0



#78  
Terphenyl-d14  
Concen: 74.39 ng  
RT: 12.88 min Scan# 944  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion:244 Resp: 1080385  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.1 9.1  
122 10.8 10.2 15.4

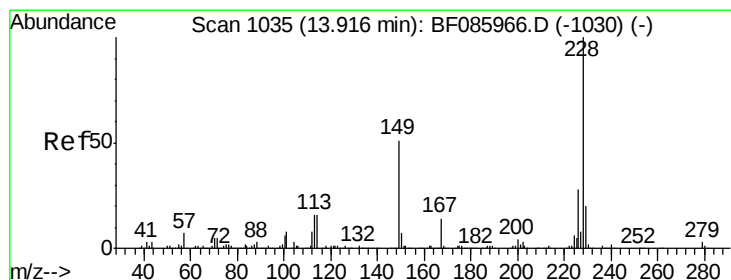
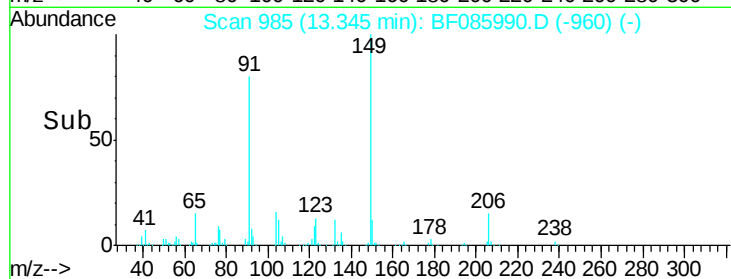
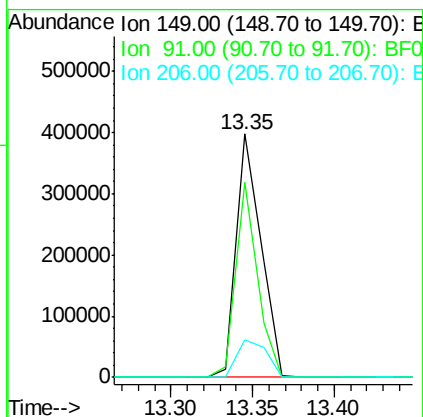
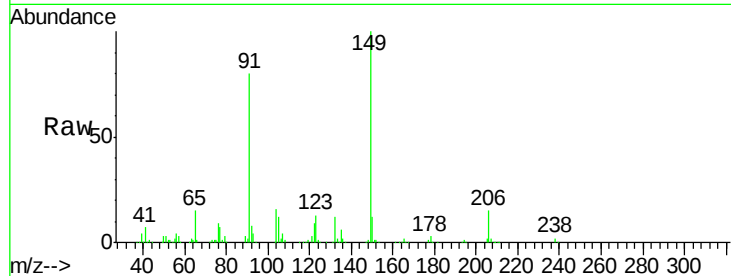




#79  
Butylbenzylphthalate  
Concen: 38.24 ng  
RT: 13.35 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

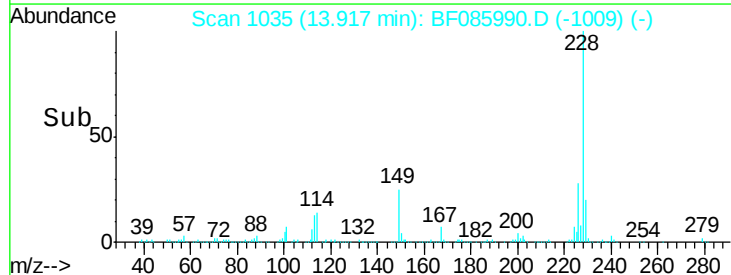
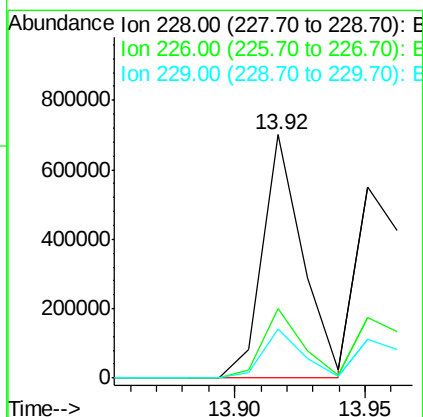
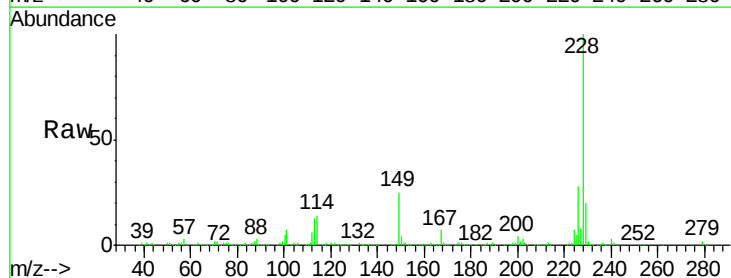
Instrument :  
BNA\_F  
ClientSampleId :  
PB89385BS

Tot Ion:149 Resp: 414269  
Ion Ratio Lower Upper  
149 100  
91 80.1 45.8 68.8#  
206 15.2 17.8 26.8#



#80  
Benzo(a)anthracene  
Concen: 37.31 ng  
RT: 13.92 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: BF085990.D  
Acq: 2 Apr 2016 4:59

Tgt Ion:228 Resp: 750748  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.1 33.1  
229 20.3 16.2 24.4

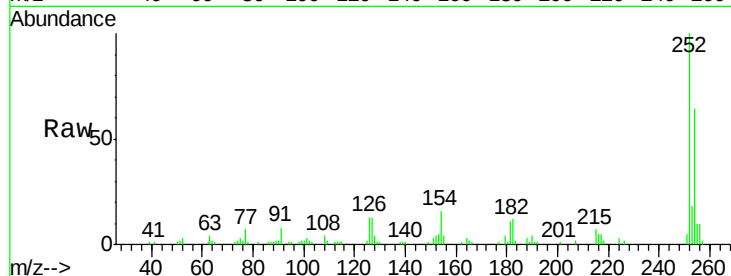




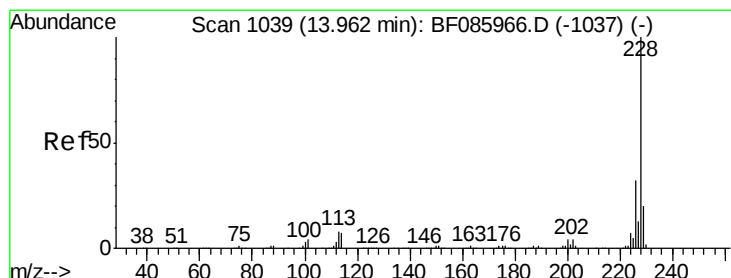
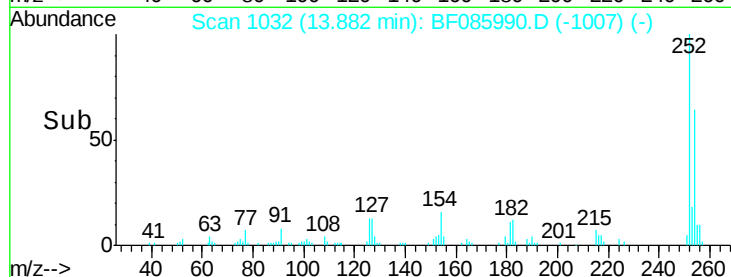
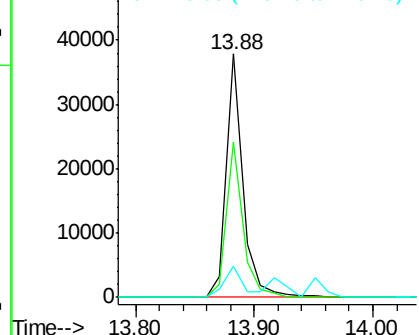
#81  
 3,3'-Dichlorobenzidine  
 Concen: 2.49 ng  
 RT: 13.88 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

Tot Ion:252 Resp: 36539  
 Ion Ratio Lower Upper  
 252 100  
 254 63.5 50.7 76.1  
 126 13.0 11.8 17.6

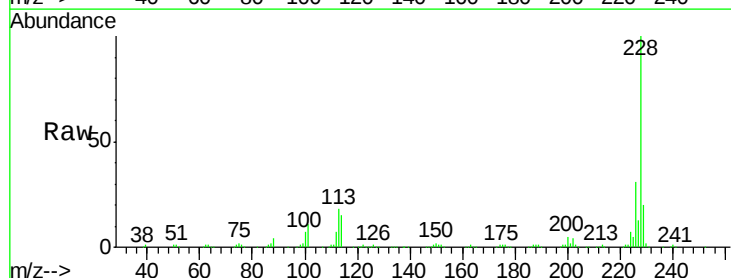


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

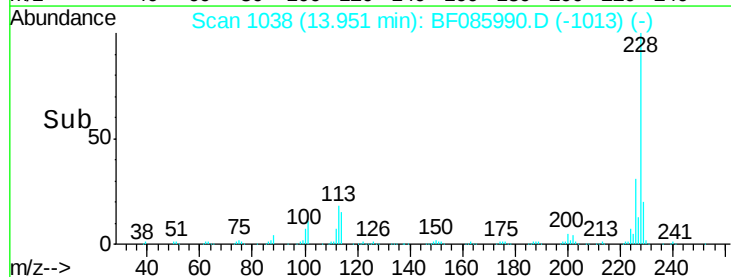
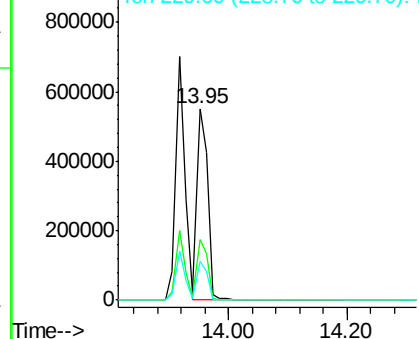


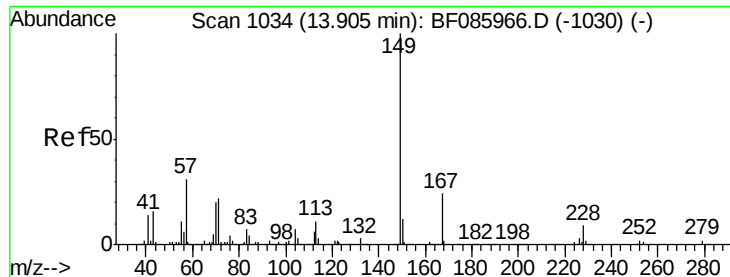
#82  
 Chrysene  
 Concen: 36.01 ng  
 RT: 13.95 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:228 Resp: 698104  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 25.0 37.6  
 229 20.5 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: 38.31 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

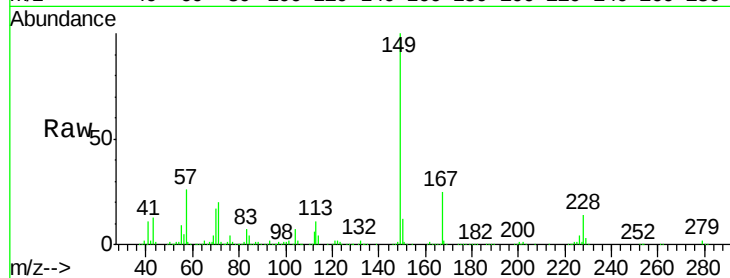
BNA\_F

ClientSampleId :

PB89385BS

Tot Ion:149 Resp: 550810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 24.5  | 19.4  | 29.2  |
| 279 | 2.2   | 1.5   | 2.3   |

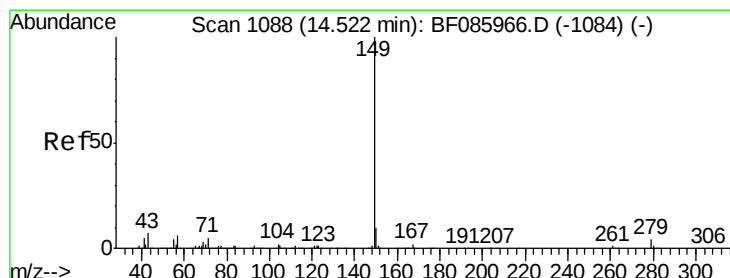
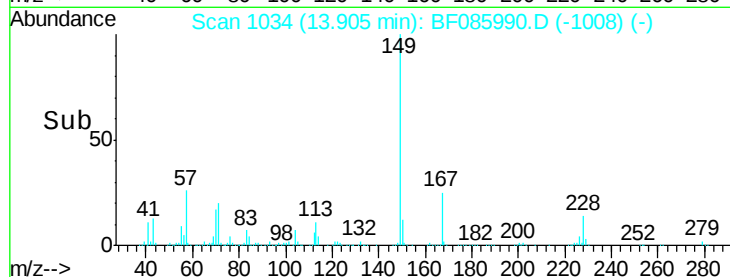
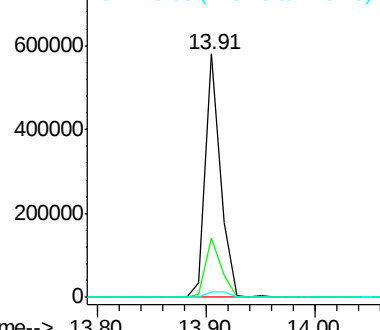


Abundance

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: 42.68 ng

RT: 14.52 min Scan# 1088

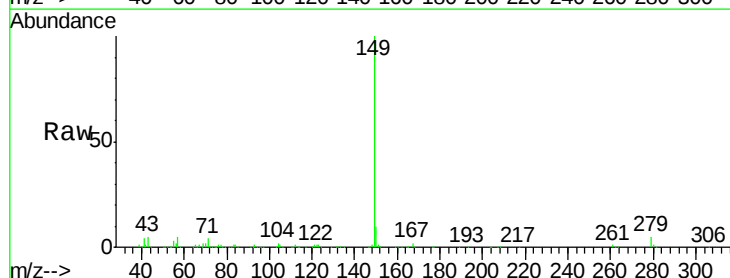
Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Tgt Ion:149 Resp: 979928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.4   | 1.2   | 1.8   |
| 43  | 8.2   | 7.1   | 10.7  |

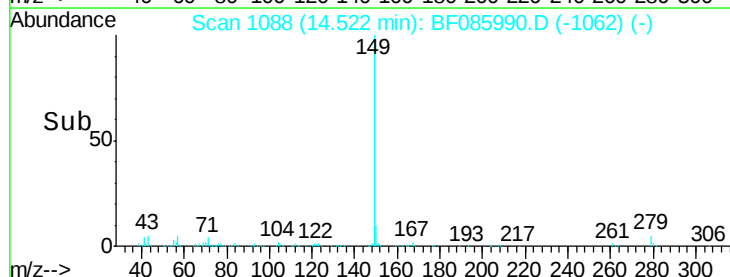
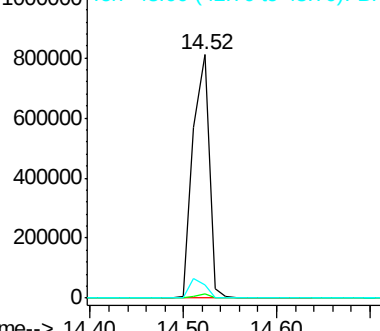


Abundance

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

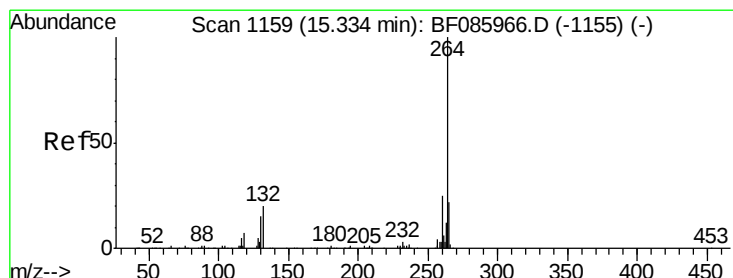
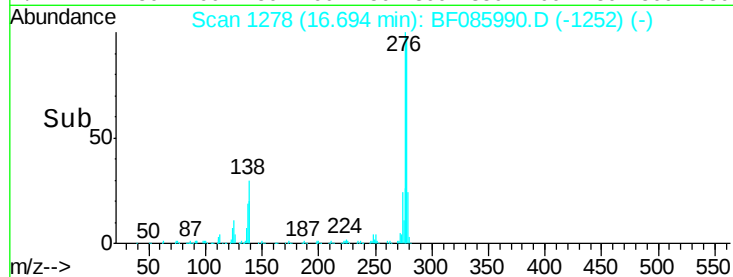
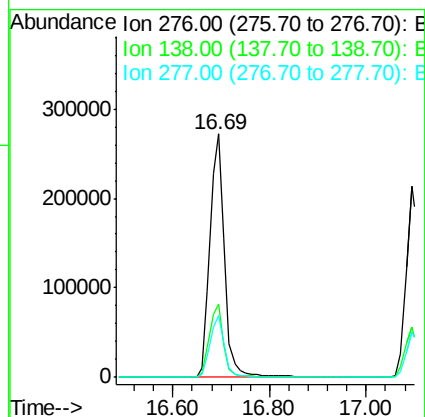
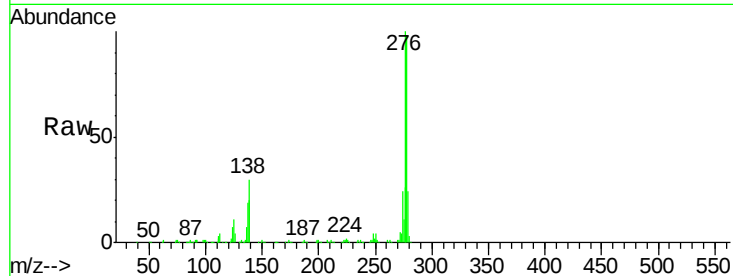




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.13 ng  
 RT: 16.69 min Scan# 1278  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

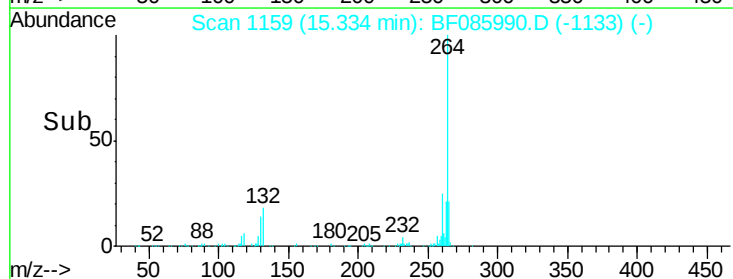
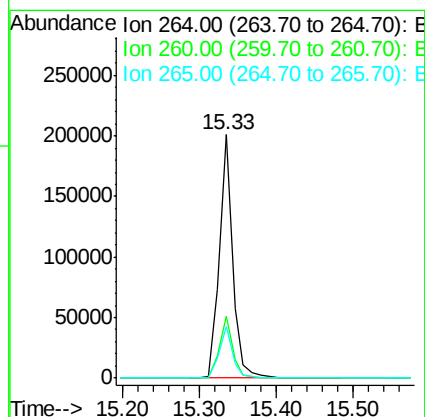
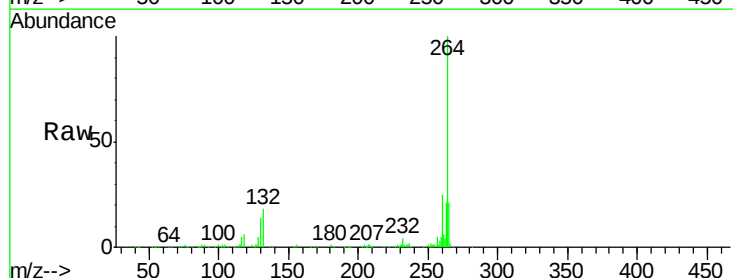
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89385BS

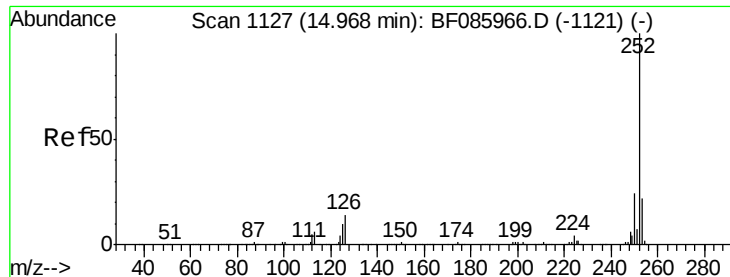
Tot Ion:276 Resp: 583951  
 Ion Ratio Lower Upper  
 276 100  
 138 29.4 24.2 36.4  
 277 25.1 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.33 min Scan# 1159  
 Delta R.T. 0.00 min  
 Lab File: BF085990.D  
 Acq: 2 Apr 2016 4:59

Tgt Ion:264 Resp: 243906  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 19.4 29.2  
 265 21.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 90.11 ng

RT: 14.97 min Scan# 1127

Delta R.T. 0.02 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

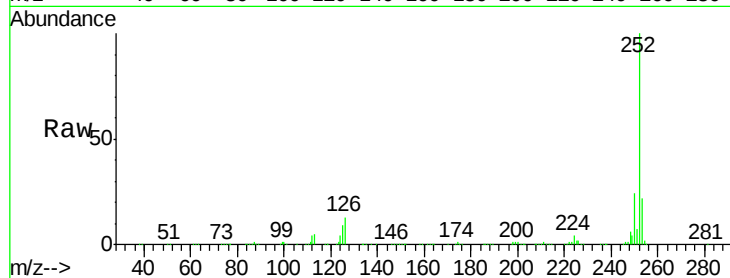
Tot Ion:252 Resp: 1382623

Ion Ratio Lower Upper

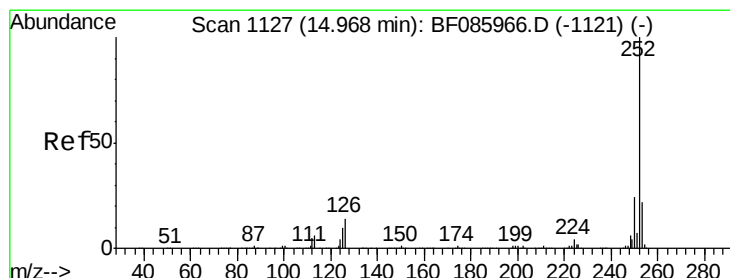
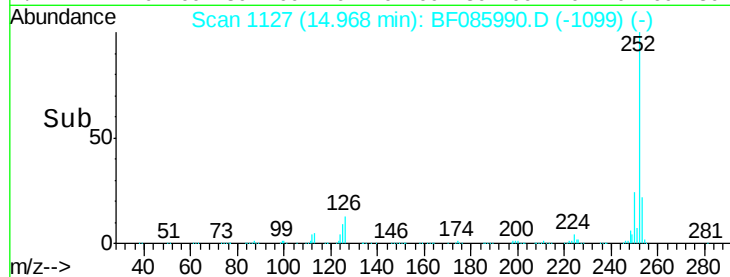
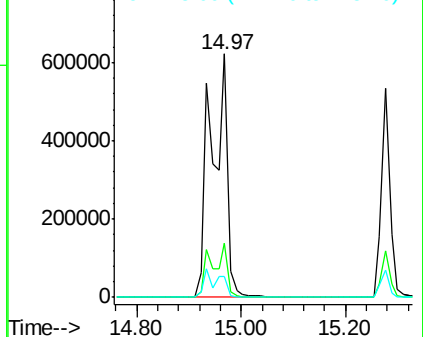
252 100

253 22.0 17.6 26.4

125 8.5 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 101.82 ng

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

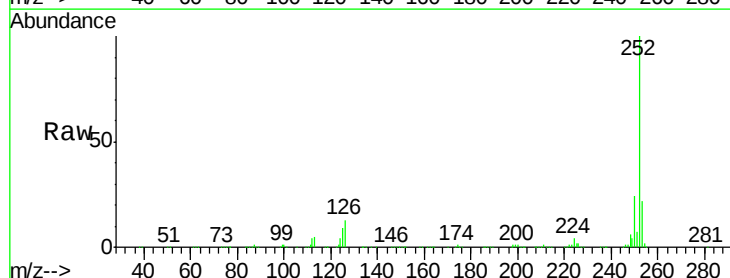
Tgt Ion:252 Resp: 1383396

Ion Ratio Lower Upper

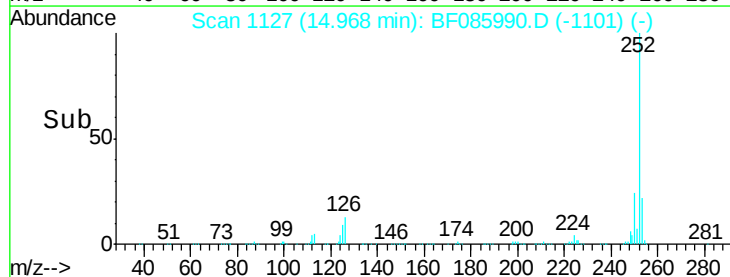
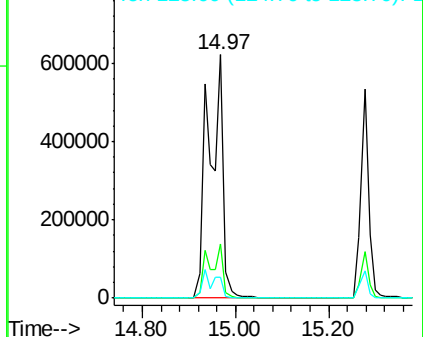
252 100

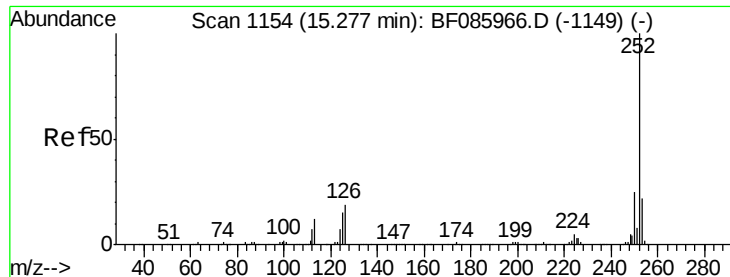
253 22.0 17.8 26.6

125 8.5 7.7 11.5



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 45.53 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

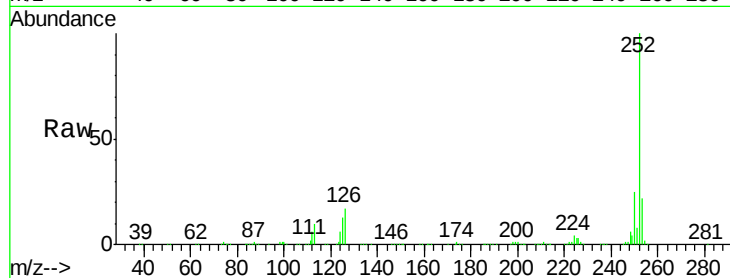
Tot Ion:252 Resp: 618926

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

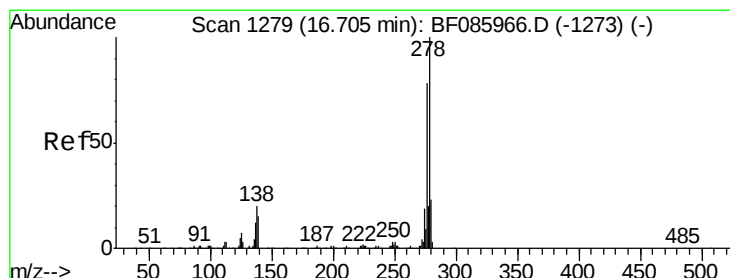
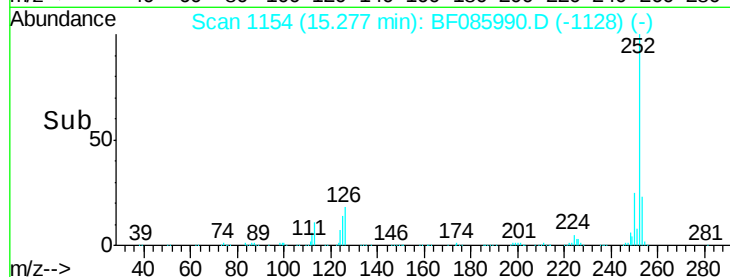
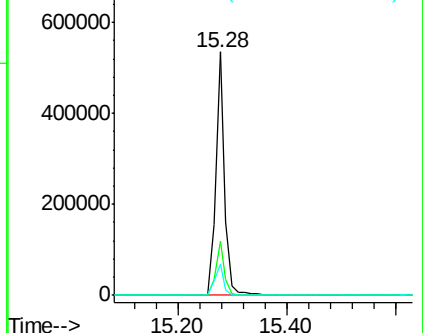
125 13.0 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 45.89 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

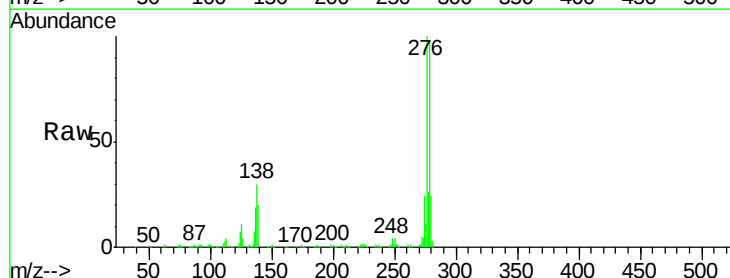
Tgt Ion:278 Resp: 501918

Ion Ratio Lower Upper

278 100

139 20.2 14.4 21.6

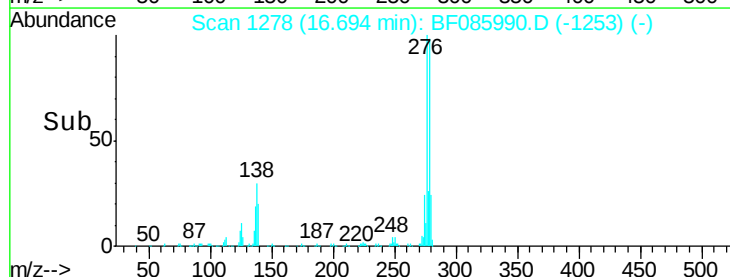
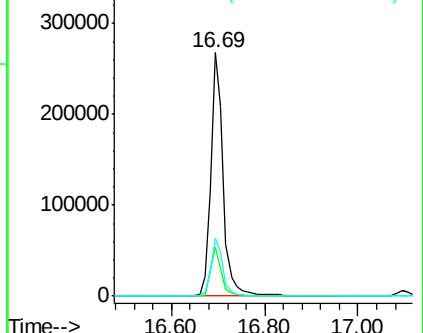
279 24.1 19.1 28.7

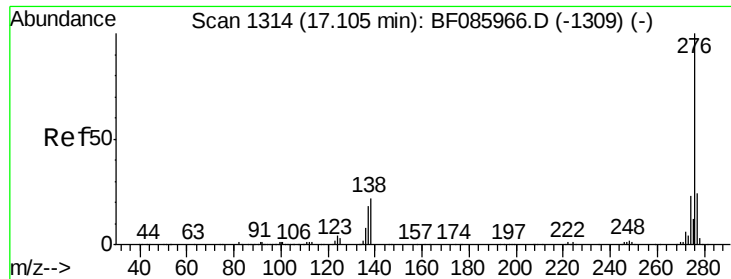


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 43.20 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF085990.D

Acq: 2 Apr 2016 4:59

Instrument :

BNA\_F

ClientSampleId :

PB89385BS

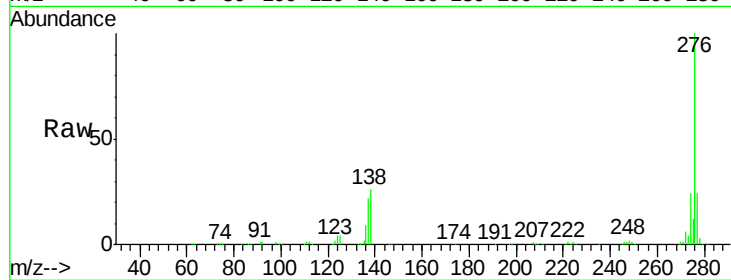
Tot Ion: 276 Resp: 457298

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 26.3 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

