

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032317\  
 Data File : BF093879.D  
 Acq On : 23 Mar 2017 15:23  
 Operator : SJ/MA  
 Sample : PB97768BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

Quant Time: Mar 24 01:04:27 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.97  | 152  | 182533   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.48  | 136  | 739377   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.63  | 164  | 337632   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.45 | 188  | 587648   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.71 | 240  | 450934   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.34 | 264  | 322097   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 4.51  | 112 | 1396727 | 129.24 | ng | 0.00  |
| 7) Phenol-d6             | 5.57  | 99  | 1774823 | 132.75 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 6.63  | 82  | 1091248 | 84.23  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 374364  | 140.32 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 8.81  | 172 | 1956711 | 88.40  | ng | -0.01 |
| 78) Terphenyl-d14        | 13.43 | 244 | 1629533 | 81.00  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.42 | 88  | 187056  | 36.03 | ng | 99     |
| 3) Pyridine                    | 2.88 | 79  | 540292  | 38.18 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.85 | 42  | 253499  | 43.54 | ng | 91     |
| 6) Aniline                     | 5.60 | 93  | 318327  | 17.12 | ng | 96     |
| 8) 2-Chlorophenol              | 5.74 | 128 | 542458  | 45.67 | ng | 95     |
| 9) Benzaldehyde                | 5.46 | 77  | 157908  | 17.49 | ng | 97     |
| 10) Phenol                     | 5.58 | 94  | 652053  | 42.86 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 5.68 | 93  | 504409  | 42.43 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 5.91 | 146 | 569048  | 42.71 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 5.99 | 146 | 584085  | 43.28 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.17 | 146 | 535447  | 43.08 | ng | 95     |
| 15) Benzyl Alcohol             | 6.14 | 79  | 466737  | 47.70 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.30 | 45  | 746839  | 40.76 | ng | 98     |
| 17) 2-Methylphenol             | 6.27 | 107 | 462820  | 45.49 | ng | 98     |
| 18) Hexachloroethane           | 6.57 | 117 | 203491  | 42.90 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 6.46 | 70  | 373983  | 43.52 | ng | 96     |
| 20) 3+4-Methylphenols          | 6.45 | 107 | 543780  | 44.13 | ng | 93     |
| 22) Acetophenone               | 6.45 | 105 | 719030  | 43.63 | ng | # 96   |
| 24) Nitrobenzene               | 6.65 | 77  | 548492  | 42.93 | ng | 95     |
| 25) Isophorone                 | 6.93 | 82  | 1010418 | 44.38 | ng | 97     |
| 26) 2-Nitrophenol              | 7.02 | 139 | 301274  | 49.44 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.08 | 122 | 502034  | 47.81 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.20 | 93  | 647850  | 43.15 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.32 | 162 | 465200  | 47.39 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.42 | 180 | 453982  | 44.90 | ng | 99     |
| 31) Naphthalene                | 7.51 | 128 | 1525253 | 42.90 | ng | 99     |
| 32) Benzoic acid               | 7.24 | 122 | 374777  | 53.62 | ng | 94     |
| 33) 4-Chloroaniline            | 7.57 | 127 | 99136   | 6.88  | ng | # 90   |
| 34) Hexachlorobutadiene        | 7.66 | 225 | 226896  | 43.76 | ng | 98     |
| 35) Caprolactam                | 8.02 | 113 | 84157   | 26.88 | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.17 | 107 | 493682  | 48.13 | ng | 88     |
| 37) 2-Methylnaphthalene        | 8.35 | 142 | 1063760 | 44.89 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.56 | 216 | 377302  | 40.85 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.55 | 237 | 426715  | 98.73 | ng | 100    |

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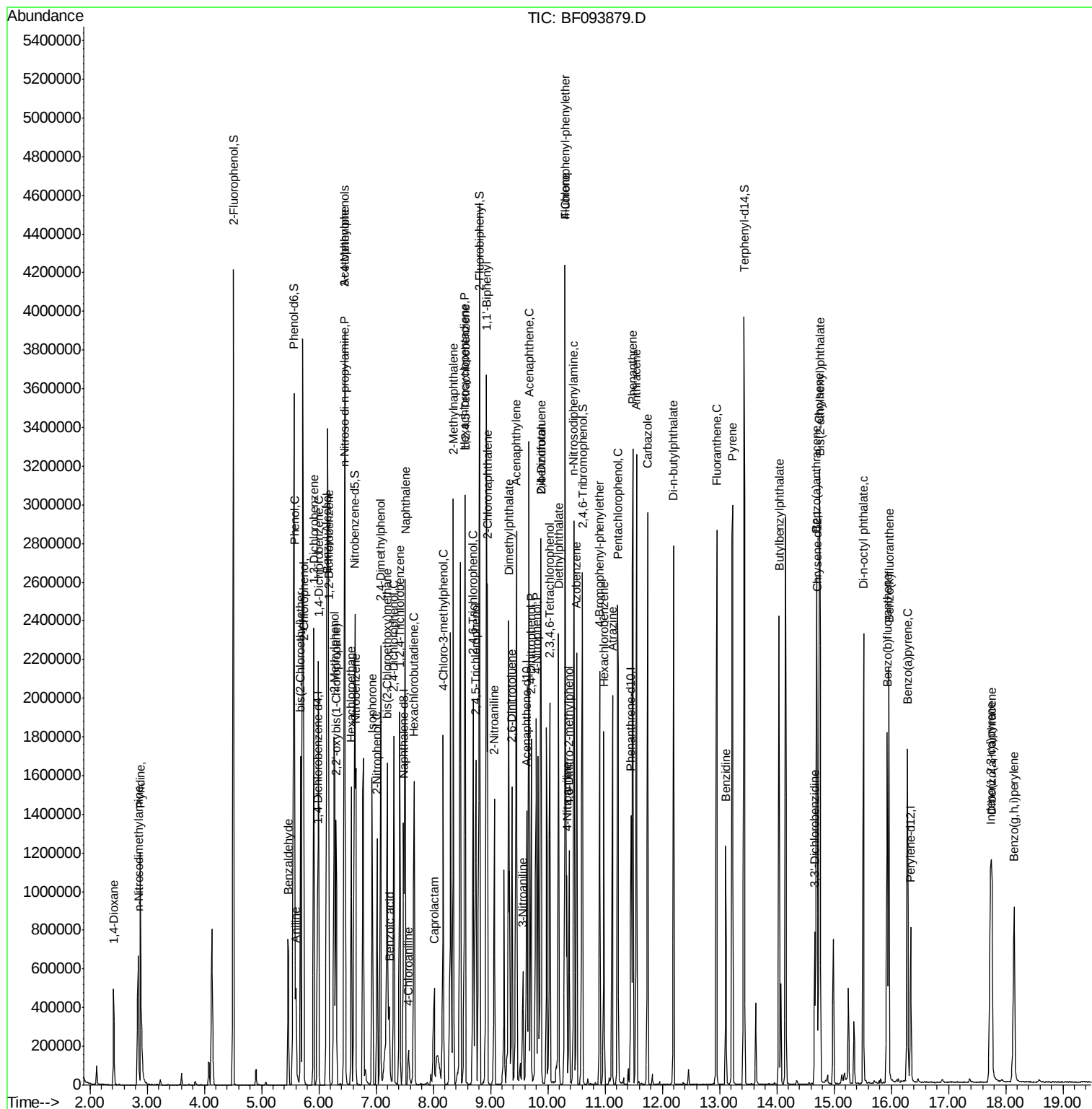
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.70  | 196  | 321394   | 49.18 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.75  | 196  | 318276   | 45.01 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 8.93  | 154  | 1181559  | 43.39 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 8.95  | 162  | 933231   | 43.78 | nq    | 94       |
| 47) 2-Nitroaniline             | 9.07  | 65   | 281545   | 44.52 | nq    | # 83     |
| 48) Acenaphthylene             | 9.46  | 152  | 1509194  | 42.60 | nq    | 100      |
| 49) Dimethylphthalate          | 9.32  | 163  | 1099397  | 45.81 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.37  | 165  | 251594   | 45.73 | nq    | # 85     |
| 51) Acenaphthene               | 9.67  | 154  | 888984   | 43.00 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.57  | 138  | 95691    | 14.81 | nq    | 92       |
| 53) 2,4-Dinitrophenol          | 9.71  | 184  | 284164   | 95.56 | nq    | # 73     |
| 54) Dibenzofuran               | 9.89  | 168  | 1300766  | 46.22 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.80  | 139  | 468948   | 92.69 | nq    | # 68     |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 320717   | 46.41 | nq    | # 78     |
| 57) Fluorene                   | 10.30 | 166  | 966304   | 41.41 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 245301   | 50.56 | nq    | 98       |
| 59) Diethylphthalate           | 10.19 | 149  | 1074055  | 45.28 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.31 | 204  | 410235   | 41.26 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 271185   | 43.74 | nq    | 98       |
| 62) Azobenzene                 | 10.50 | 77   | 1065633  | 47.49 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198  | 181015   | 50.30 | nq    | # 72     |
| 65) n-Nitrosodiphenylamine     | 10.46 | 169  | 912788   | 44.92 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.91 | 248  | 261943   | 45.32 | nq    | 99       |
| 67) Hexachlorobenzene          | 10.98 | 284  | 265361   | 45.36 | nq    | # 85     |
| 68) Atrazine                   | 11.13 | 200  | 273895   | 45.00 | nq    | 97       |
| 69) Pentachlorophenol          | 11.22 | 266  | 322317   | 88.51 | nq    | 99       |
| 70) Phenanthrene               | 11.49 | 178  | 1424610  | 43.58 | nq    | 100      |
| 71) Anthracene                 | 11.55 | 178  | 1477536  | 43.90 | nq    | 100      |
| 72) Carbazole                  | 11.75 | 167  | 1404923  | 40.71 | nq    | 98       |
| 73) Di-n-butylphthalate        | 12.20 | 149  | 1648556  | 45.93 | nq    | 99       |
| 74) Fluoranthene               | 12.95 | 202  | 1478064  | 44.16 | nq    | 99       |
| 76) Benzidine                  | 13.11 | 184  | 474752   | 26.60 | nq    | # 94     |
| 77) Pyrene                     | 13.23 | 202  | 1490290  | 45.54 | nq    | 99       |
| 79) Butylbenzylphthalate       | 14.04 | 149  | 703681   | 50.47 | nq    | # 83     |
| 80) Benzo(a)anthracene         | 14.70 | 228  | 1187743  | 45.17 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.67 | 252  | 173812   | 18.49 | nq    | # 95     |
| 82) Chrysene                   | 14.74 | 228  | 1056094  | 43.28 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.76 | 149  | 926050   | 48.68 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 15.52 | 149  | 1440014  | 45.31 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.73 | 276  | 813373   | 38.49 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 15.93 | 252  | 931345   | 47.17 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.96 | 252  | 861778   | 44.61 | nq    | 96       |
| 89) Benzo(a)pyrene             | 16.29 | 252  | 834583   | 45.90 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 17.76 | 278  | 676845   | 43.96 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 18.15 | 276  | 697519   | 44.95 | nq    | 100      |

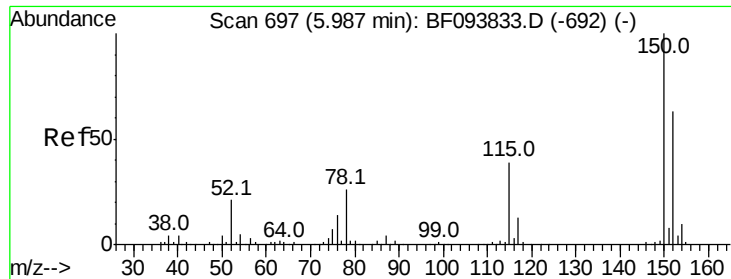
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.97 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

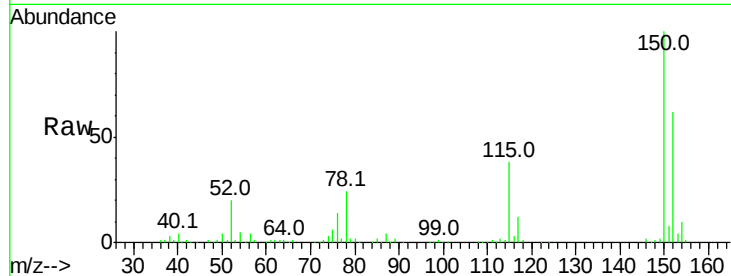
Tot Ion:152 Resp: 182533

Ion Ratio Lower Upper

152 100

150 160.5 126.2 189.2

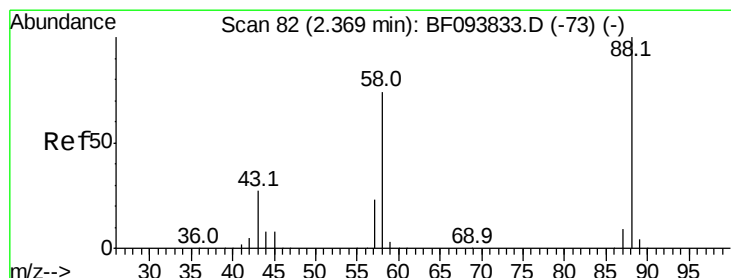
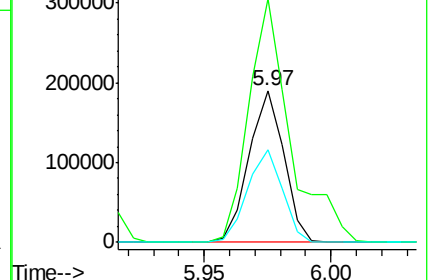
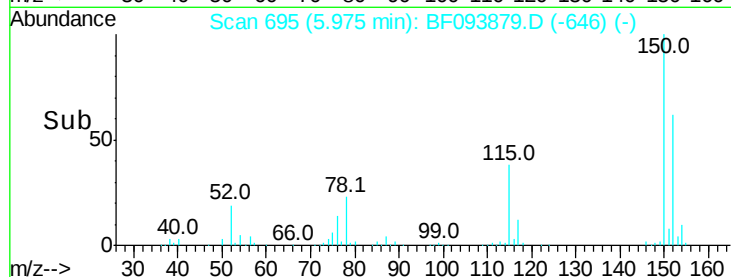
115 60.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.03 ng

RT: 2.42 min Scan# 90

Delta R.T. 0.05 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

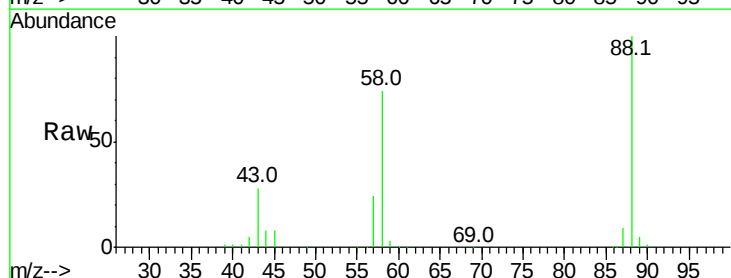
Tgt Ion: 88 Resp: 187056

Ion Ratio Lower Upper

88 100

58 75.8 61.4 92.0

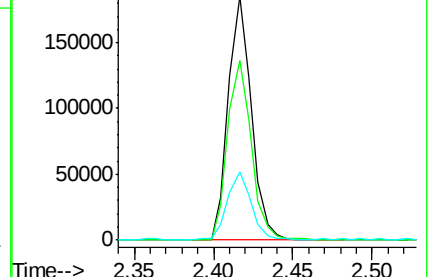
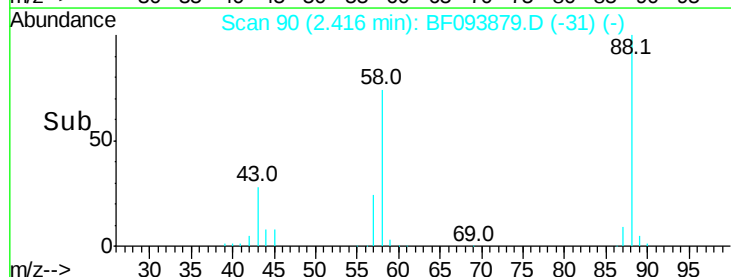
43 28.1 23.4 35.0

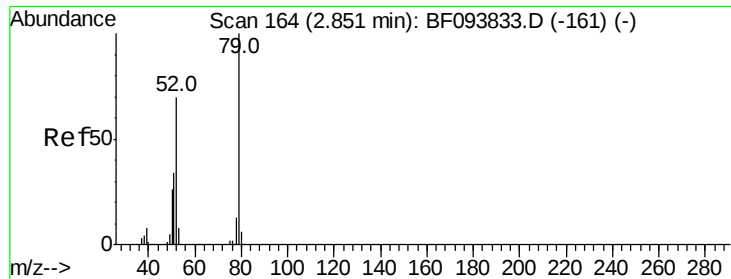


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 38.18 ng

RT: 2.88 min Scan# 169

Delta R.T. 0.03 min

Lab File: BF093879.D

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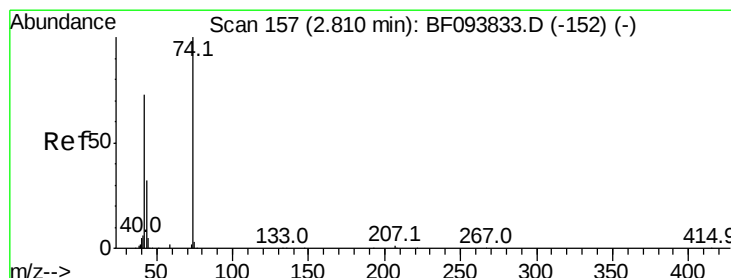
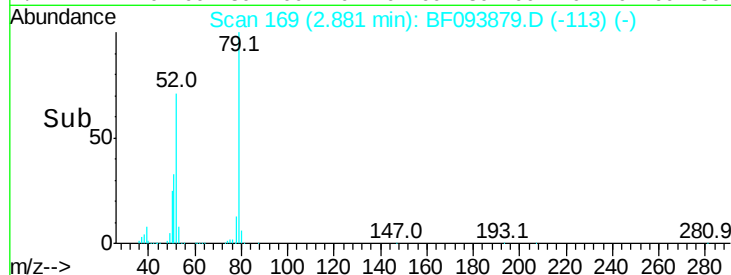
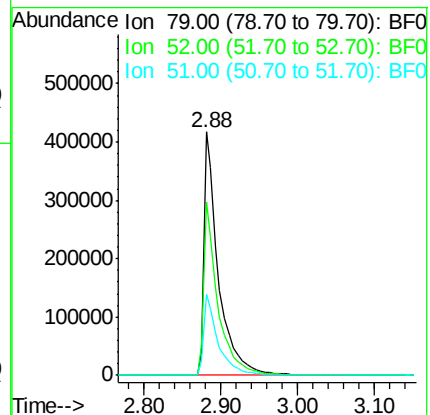
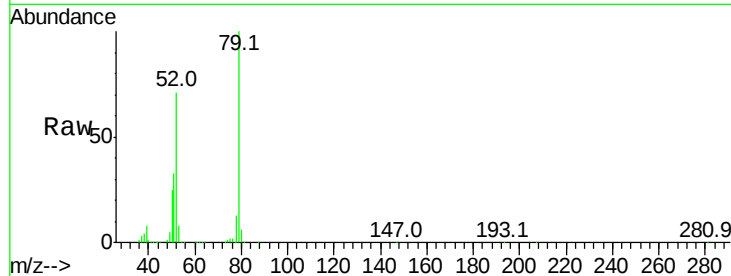
Tot Ion: 79 Resp: 540292

Ion Ratio Lower Upper

79 100

52 71.1 54.8 82.2

51 33.5 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 43.54 ng

RT: 2.85 min Scan# 163

Delta R.T. 0.04 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

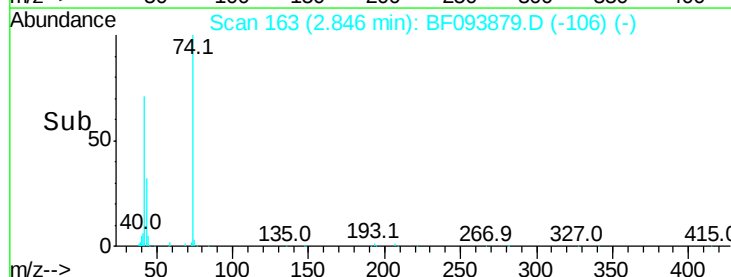
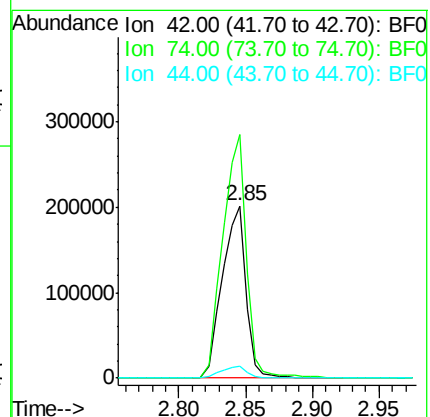
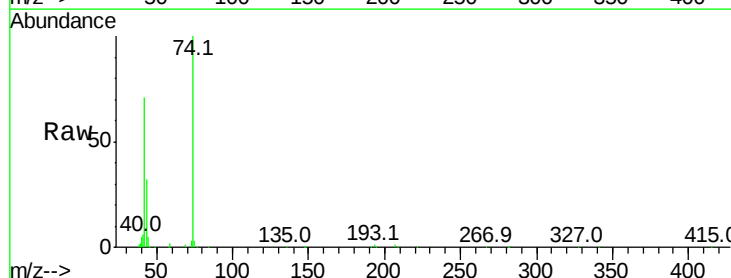
Tgt Ion: 42 Resp: 253499

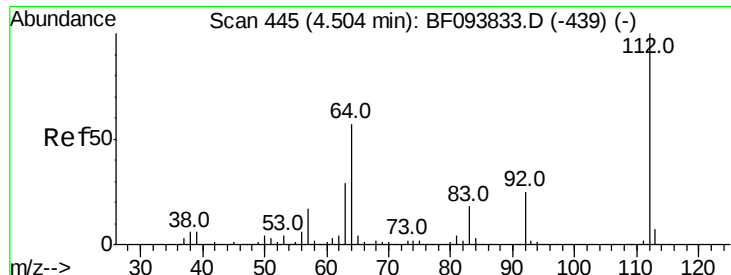
Ion Ratio Lower Upper

42 100

74 141.2 103.9 155.9

44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 129.24 ng

RT: 4.51 min Scan# 446

Delta R.T. 0.01 min

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Acq: 23 Mar 2017 15:23

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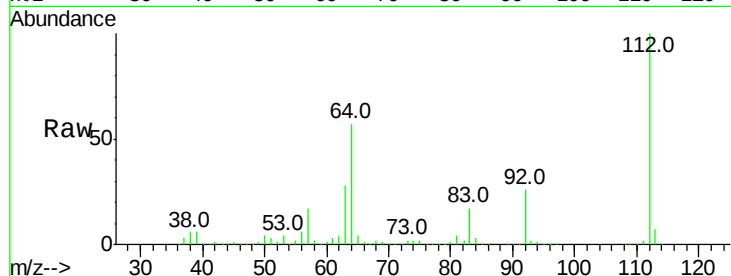
Tot Ion:112 Resp: 1396727

Ion Ratio Lower Upper

112 100

64 56.7 46.0 69.0

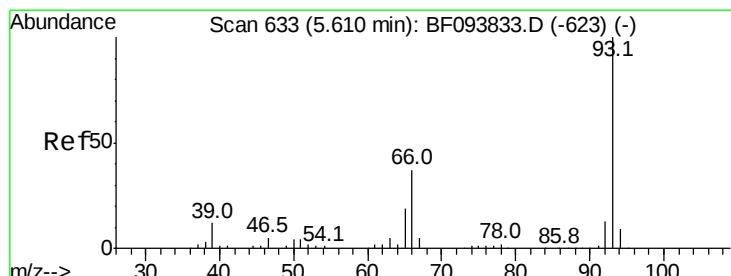
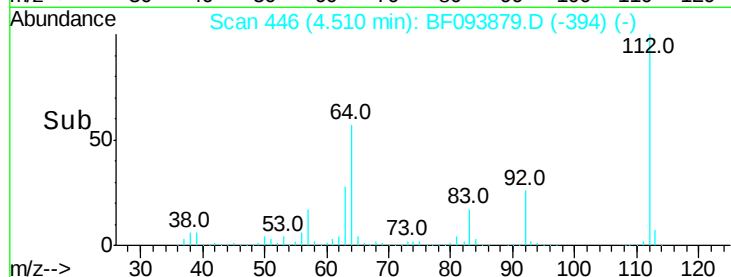
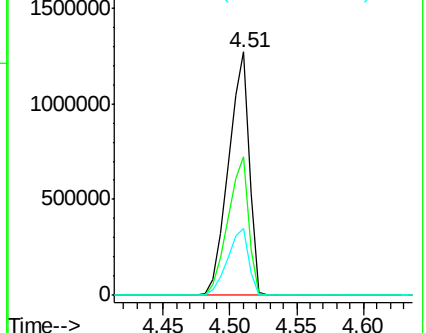
63 27.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.12 ng

RT: 5.60 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

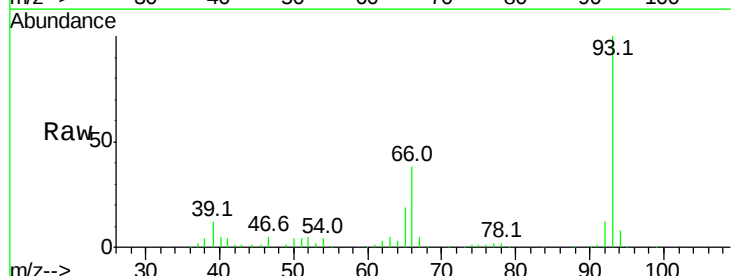
Tgt Ion: 93 Resp: 318327

Ion Ratio Lower Upper

93 100

66 37.9 32.9 49.3

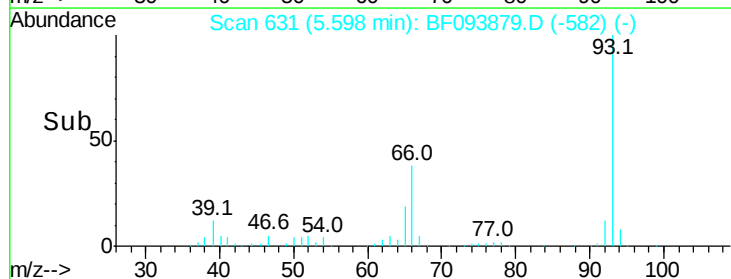
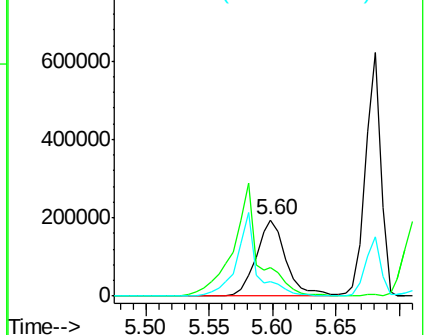
65 18.8 16.0 24.0

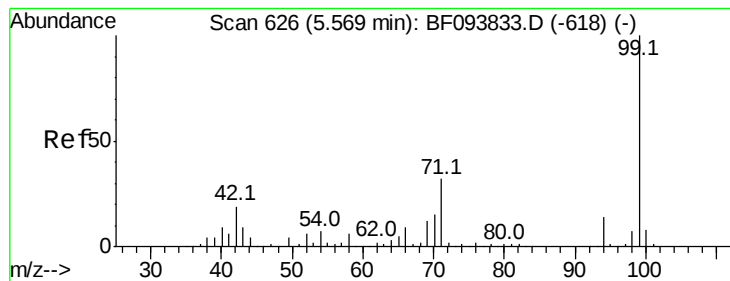


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.75 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

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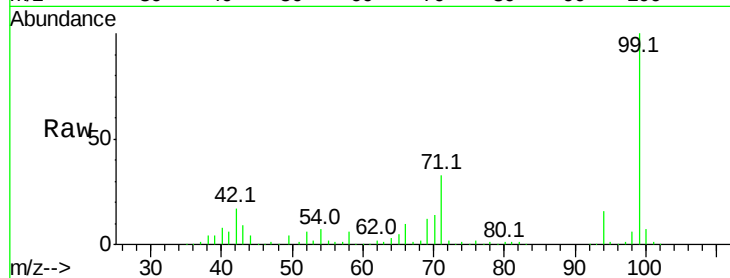
Tot Ion: 99 Resp: 1774823

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

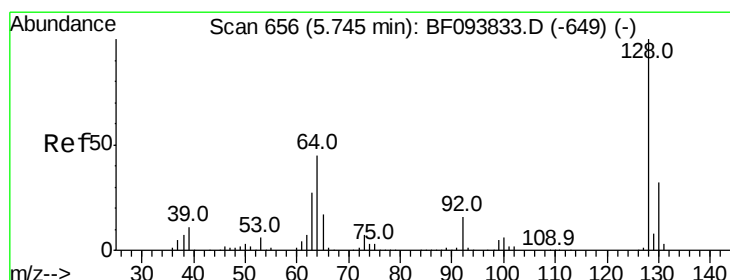
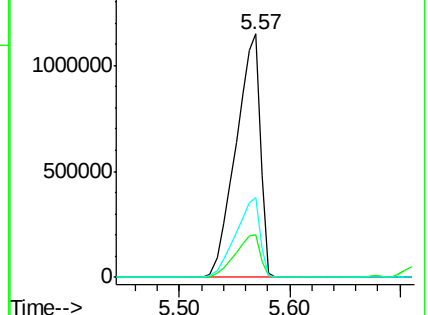
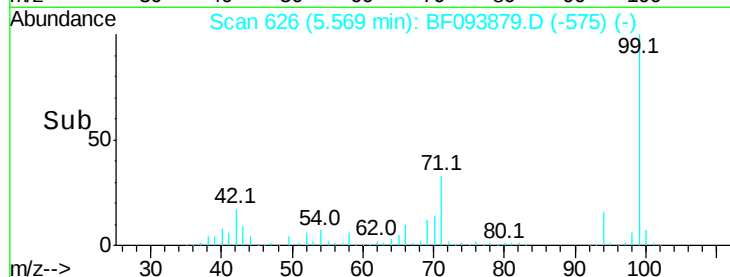
71 32.9 24.5 36.7



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: 45.67 ng

RT: 5.74 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

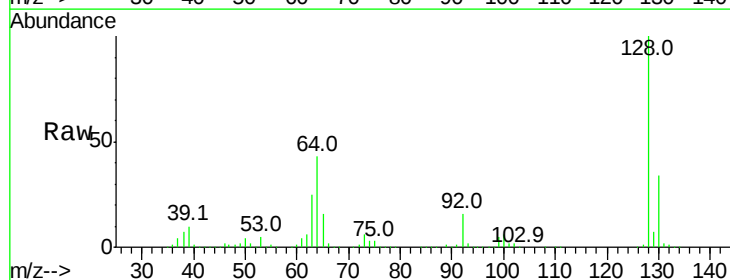
Tgt Ion:128 Resp: 542458

Ion Ratio Lower Upper

128 100

130 33.6 12.9 52.9

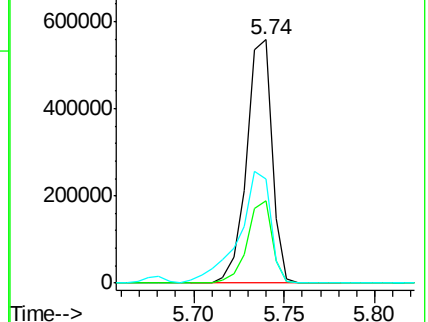
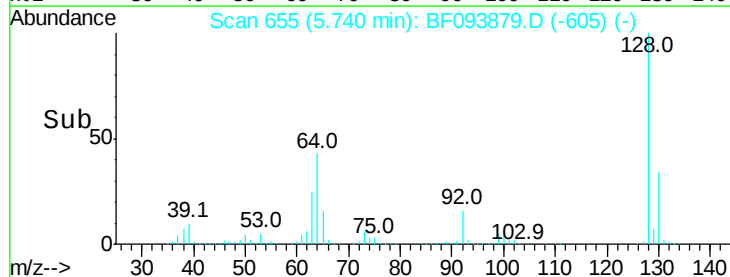
64 42.9 28.4 68.4

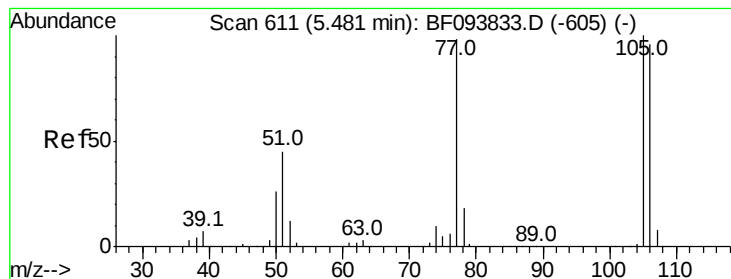


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 17.49 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

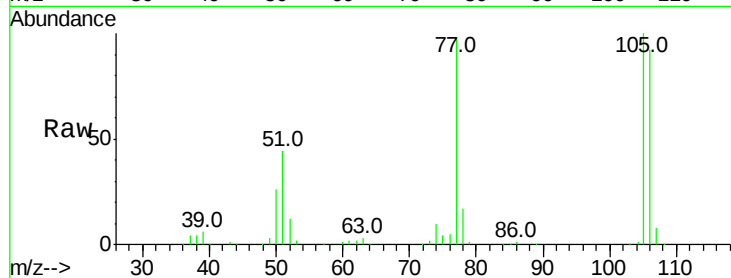
Tot Ion: 77 Resp: 157908

Ion Ratio Lower Upper

77 100

105 102.0 83.8 123.8

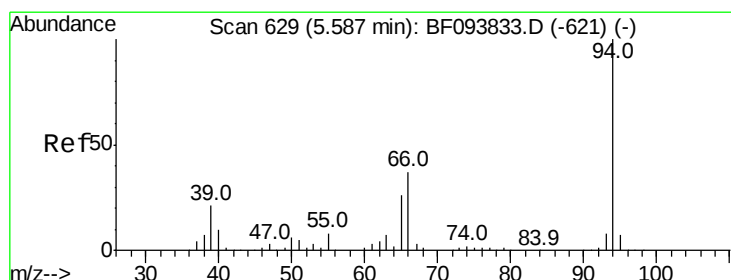
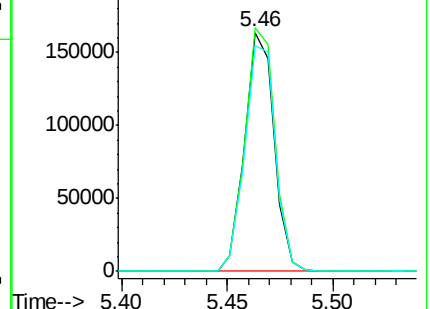
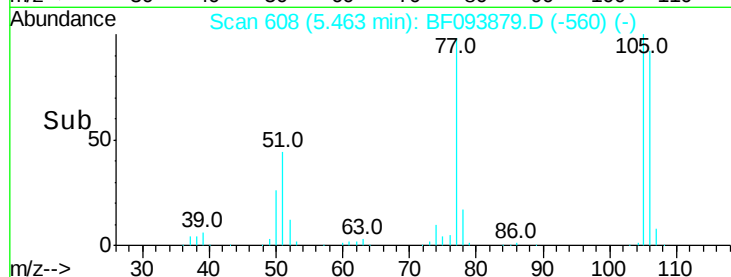
106 94.3 79.1 119.1



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: 42.86 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

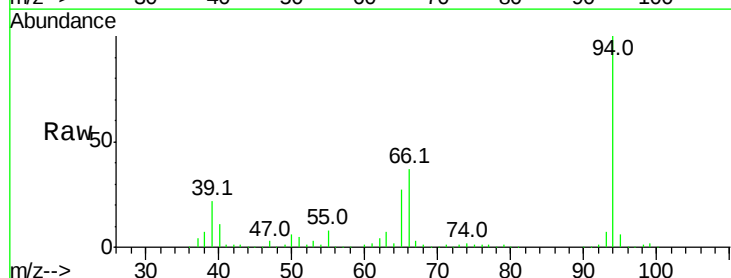
Tgt Ion: 94 Resp: 652053

Ion Ratio Lower Upper

94 100

65 27.0 9.9 49.9

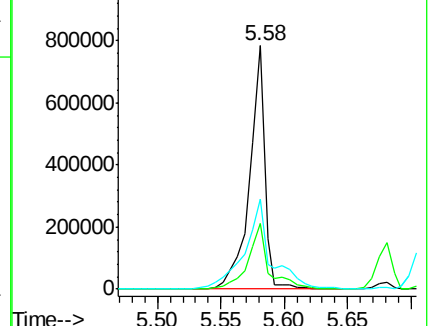
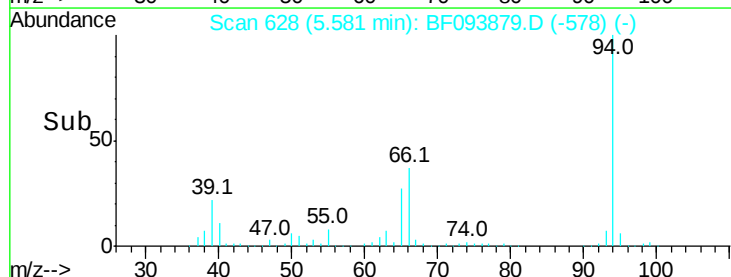
66 36.9 23.1 63.1

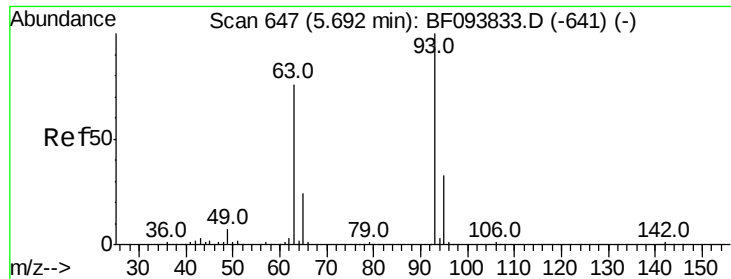


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



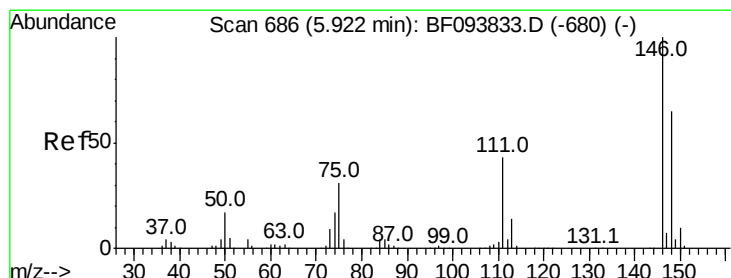
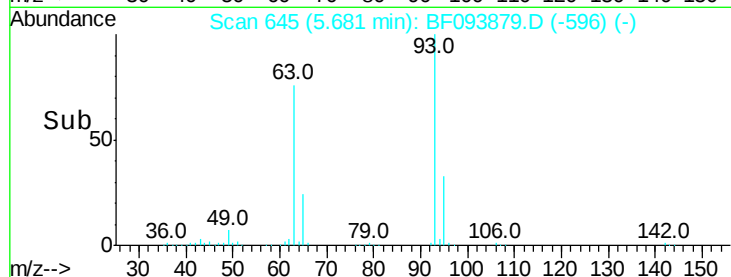
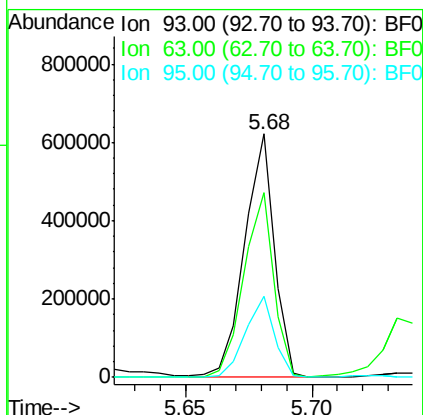
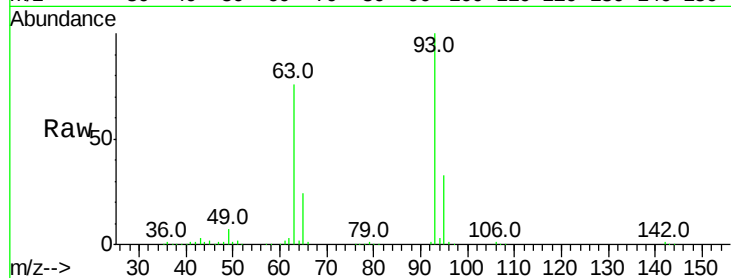


#11  
bis(2-Chloroethyl)ether  
Concen: 42.43 ng  
RT: 5.68 min Scan# 645  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion: 93 Resp: 504409  

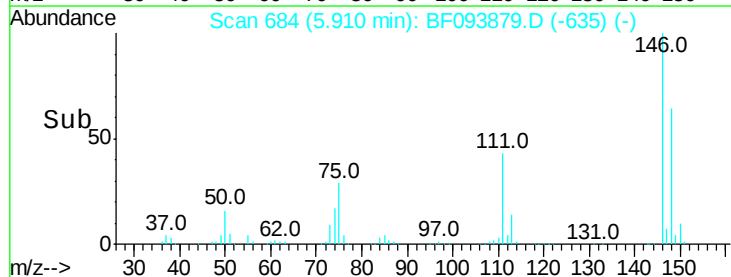
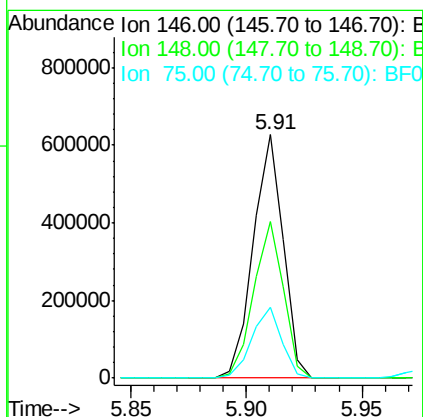
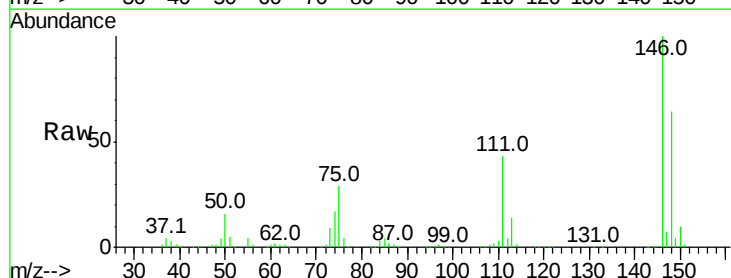
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 75.8  | 59.2  | 99.2  |
| 95  | 33.3  | 12.8  | 52.8  |

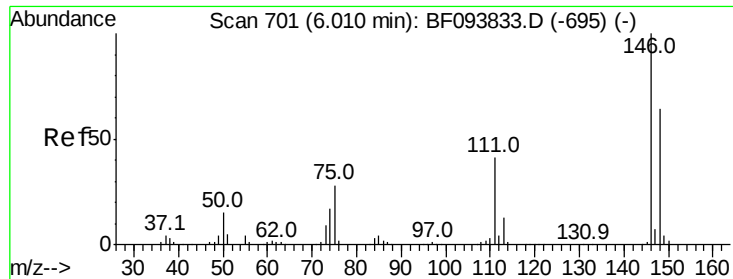


#12  
1,3-Dichlorobenzene  
Concen: 42.71 ng  
RT: 5.91 min Scan# 684  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion: 146 Resp: 569048  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.2  | 51.8  | 77.6  |
| 75  | 29.3  | 23.1  | 34.7  |

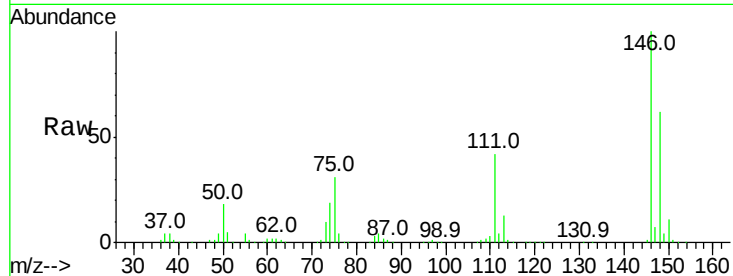




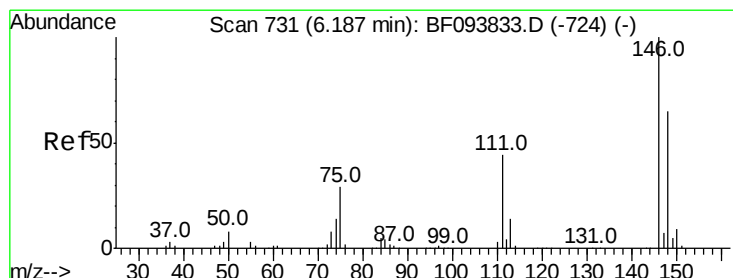
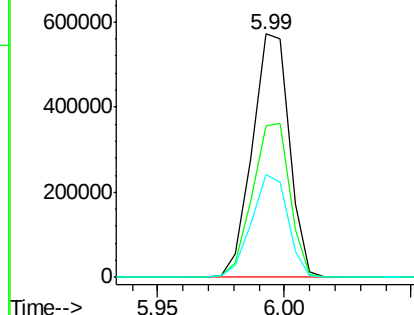
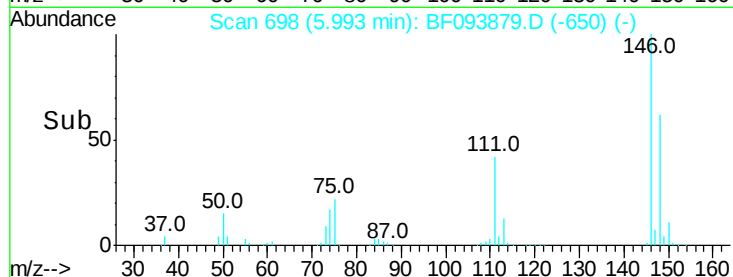
#13  
 1,4-Dichlorobenzene  
 Concen: 43.28 ng  
 RT: 5.99 min Scan# 698  
 Delta R.T. -0.02 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

Tot Ion:146 Resp: 584085  
 Ion Ratio Lower Upper  
 146 100  
 148 62.1 52.2 78.2  
 111 42.0 30.3 45.5

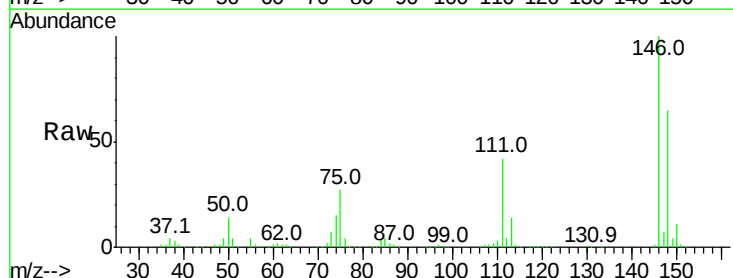


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

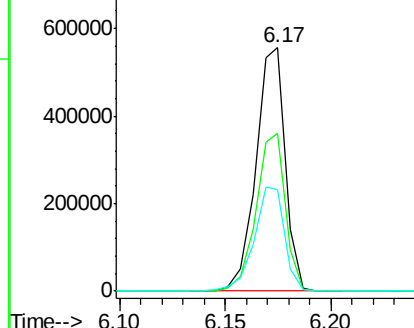
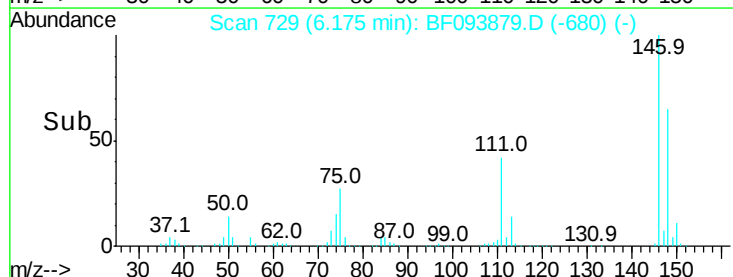


#14  
 1,2-Dichlorobenzene  
 Concen: 43.08 ng  
 RT: 6.17 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:146 Resp: 535447  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 50.4 75.6  
 111 41.6 38.2 57.4



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





#15

Benzyl Alcohol

Concen: 47.70 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

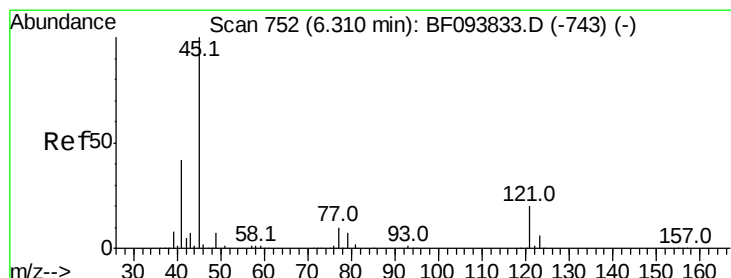
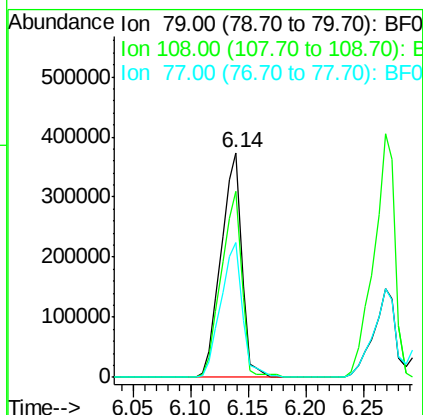
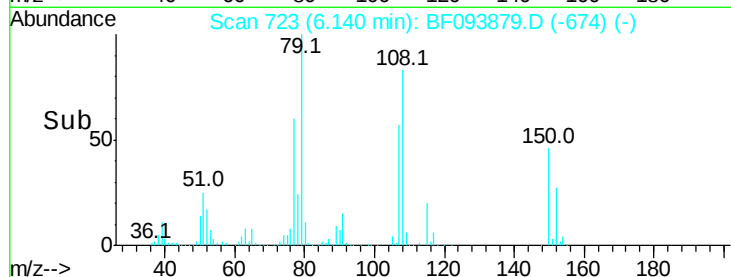
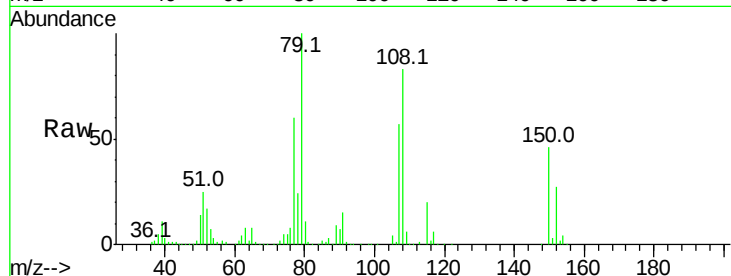
Tot Ion: 79 Resp: 466737

Ion Ratio Lower Upper

79 100

108 82.7 63.4 95.0

77 60.3 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.76 ng

RT: 6.30 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

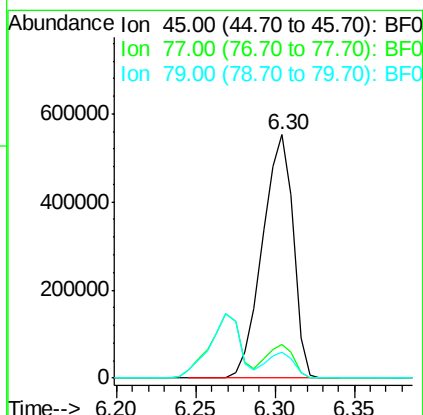
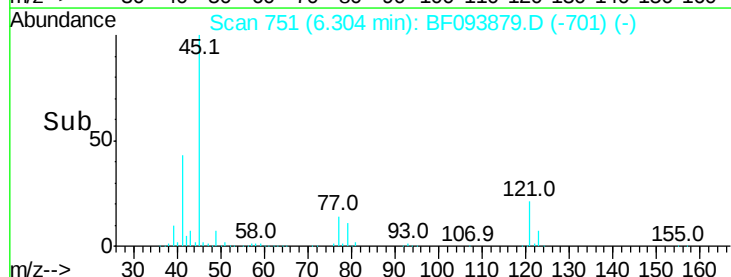
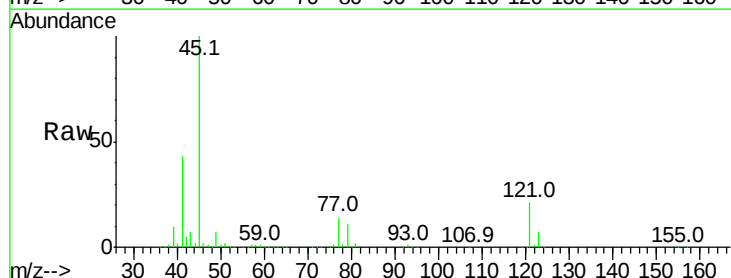
Tgt Ion: 45 Resp: 746839

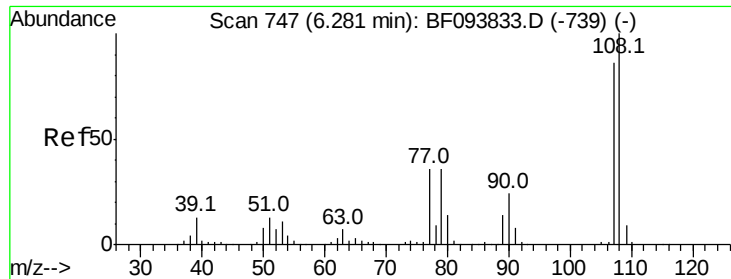
Ion Ratio Lower Upper

45 100

77 13.9 0.0 33.2

79 10.8 0.0 30.0





#17

2-Methylphenol

Concen: 45.49 ng

RT: 6.27 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

Tot Ion:107 Resp: 462820

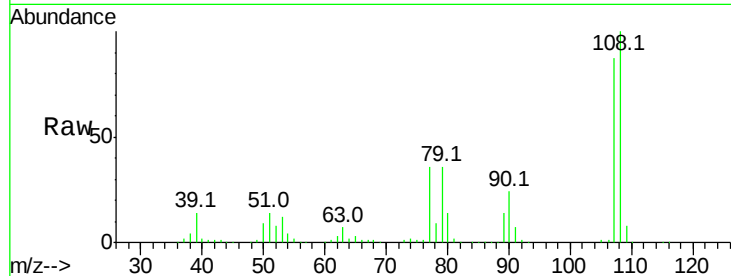
Ion Ratio Lower Upper

107 100

108 114.9 93.4 140.0

77 41.8 35.8 53.6

79 41.8 34.8 52.2

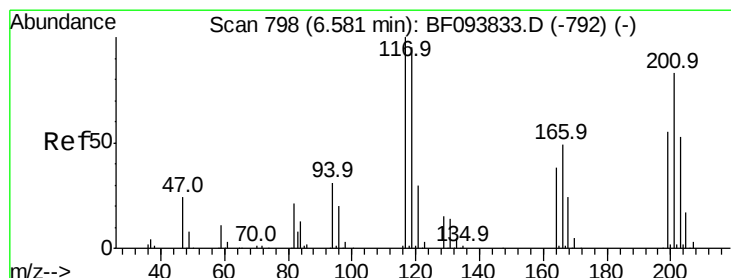
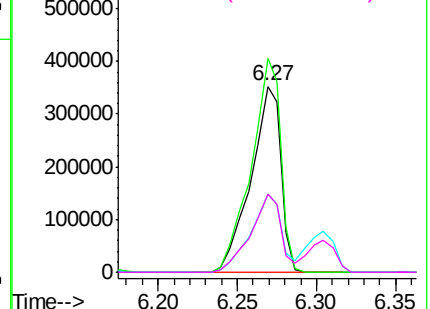
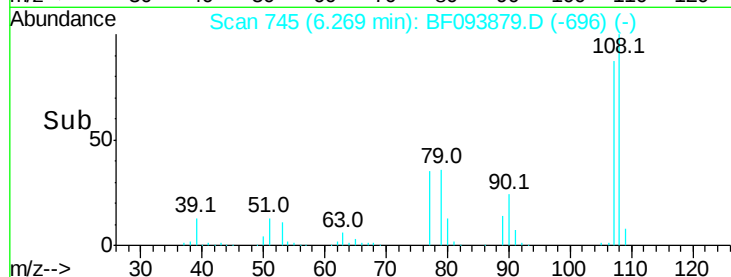


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.90 ng

RT: 6.57 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

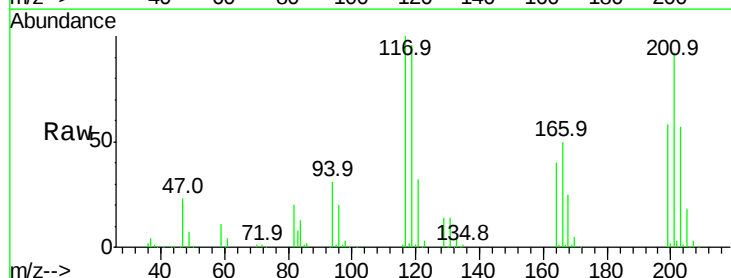
Tgt Ion:117 Resp: 203491

Ion Ratio Lower Upper

117 100

119 96.2 77.4 116.0

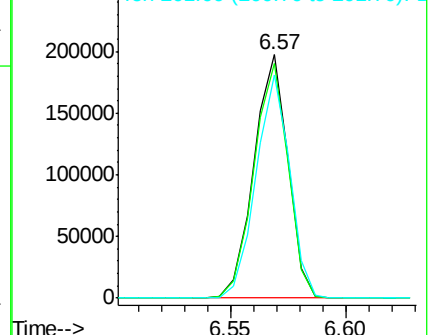
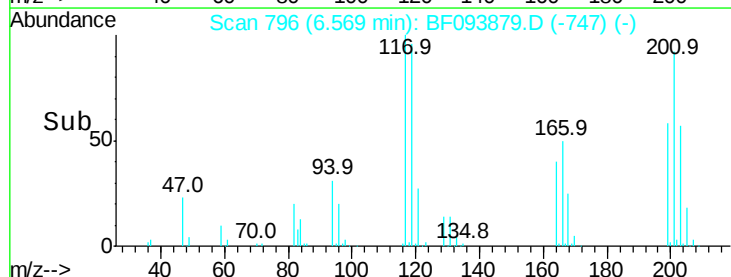
201 91.6 94.6 141.8#

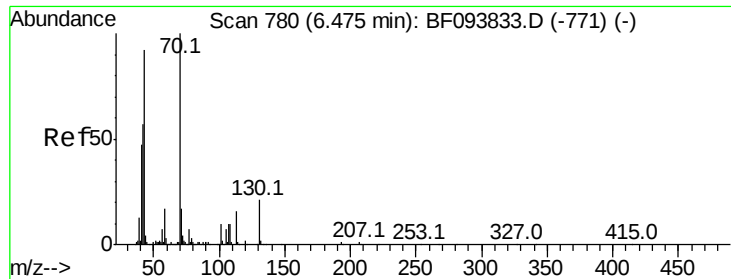


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

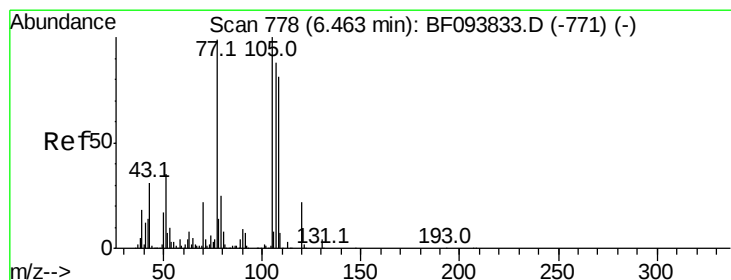
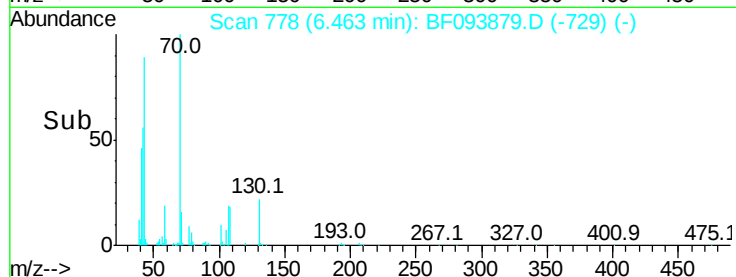
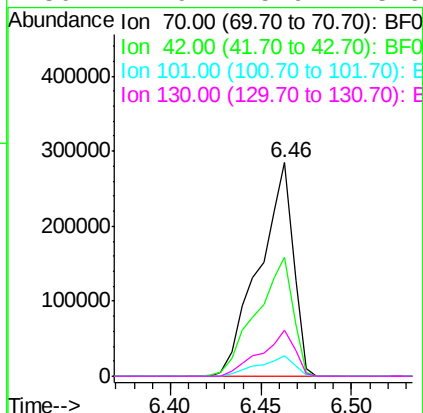
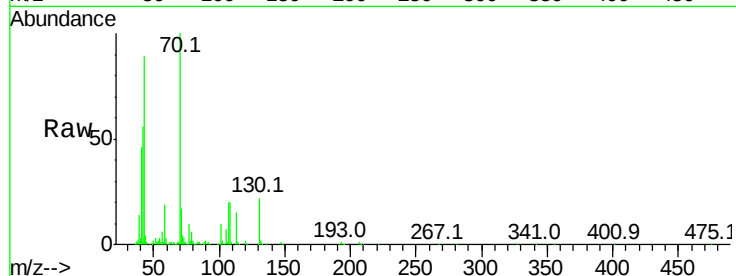




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.52 ng  
RT: 6.46 min Scan# 778  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

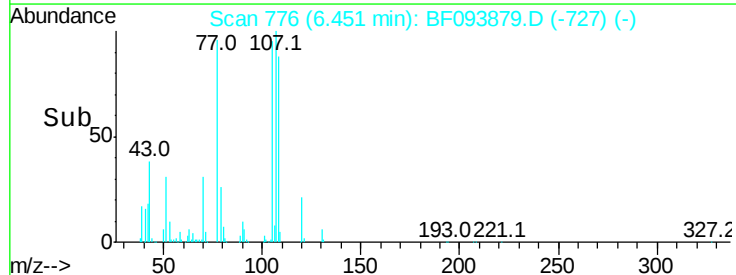
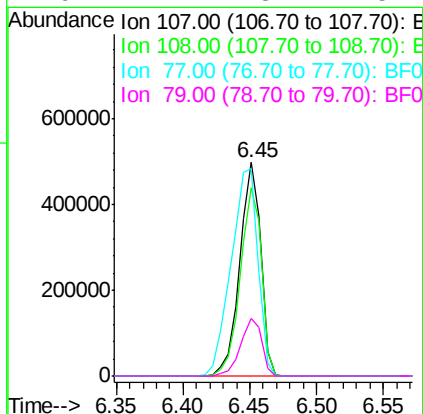
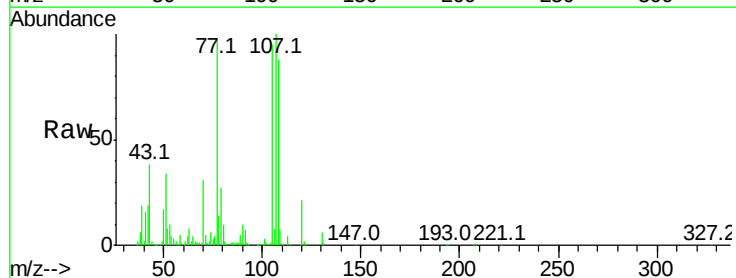
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

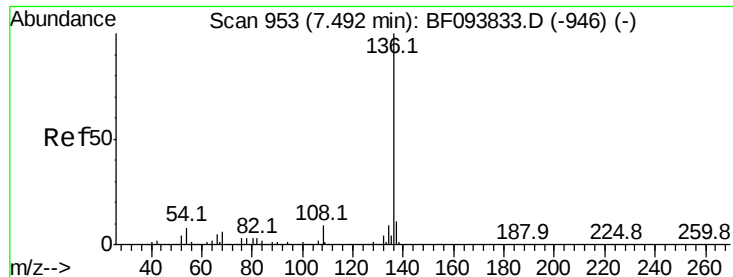
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 373983 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 55.7  | 47.2  | 70.8   |
| 101      | 9.8   | 7.2   | 10.8   |
| 130      | 21.9  | 15.9  | 23.9   |



#20  
3+4-Methylphenols  
Concen: 44.13 ng  
RT: 6.45 min Scan# 776  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 543780 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.4  | 71.0  | 111.0  |
| 77       | 97.3  | 90.5  | 130.5  |
| 79       | 27.2  | 8.4   | 48.4   |

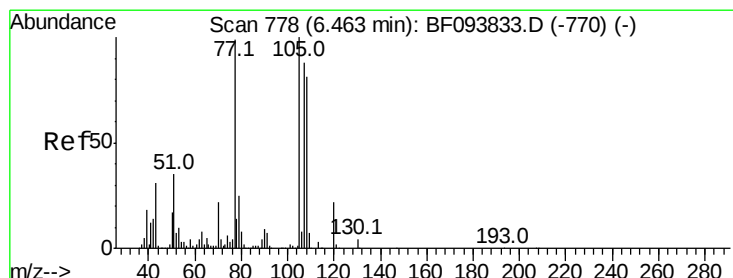
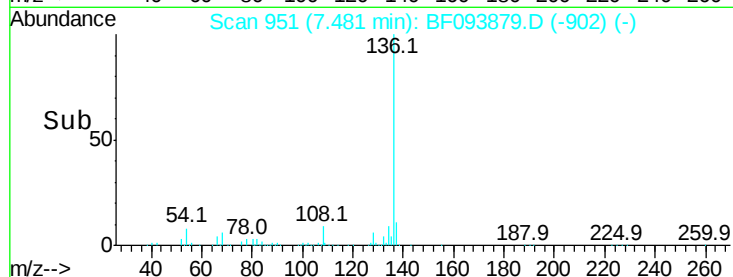
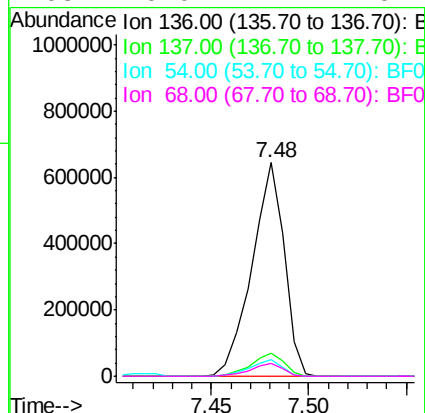
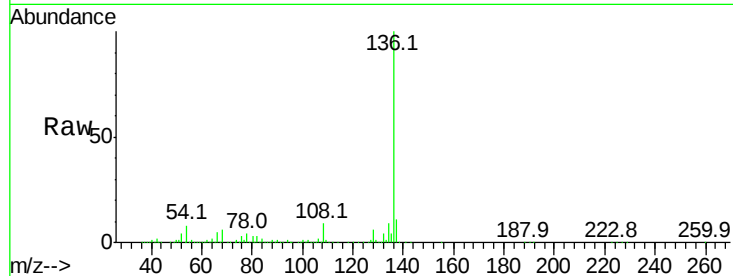




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.48 min Scan# 951  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

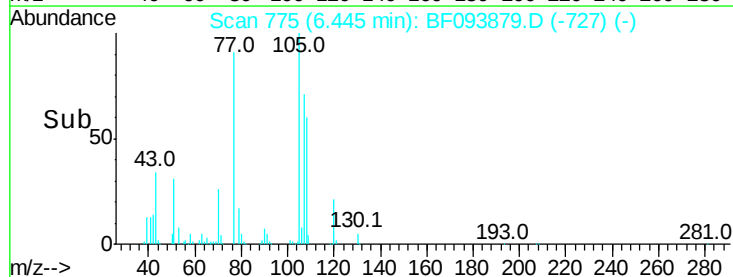
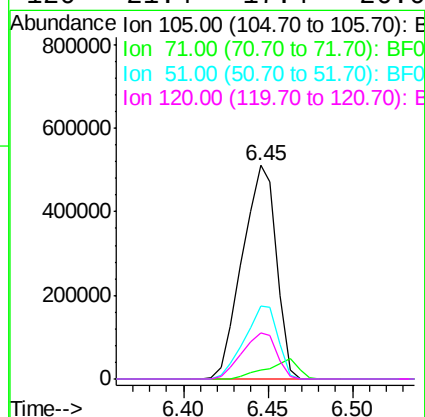
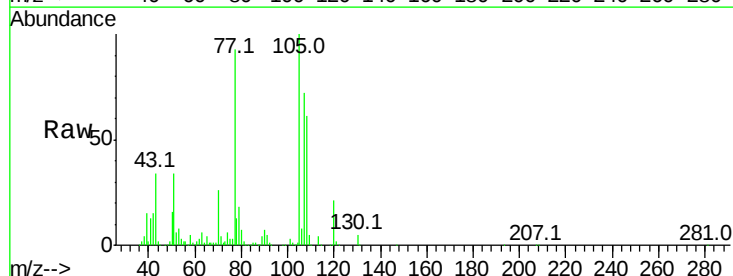
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

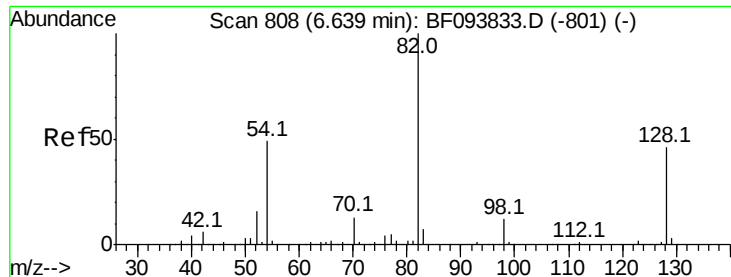
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 739377   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.5 12.7 |
| 54          | 7.8   | 4.9 7.3# |
| 68          | 6.0   | 4.1 6.1  |



#22  
Acetophenone  
Concen: 43.63 ng  
RT: 6.45 min Scan# 775  
Delta R.T. -0.02 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 719030    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 4.3   | 2.8 4.2#  |
| 51          | 34.3  | 30.7 46.1 |
| 120         | 21.4  | 17.4 26.0 |

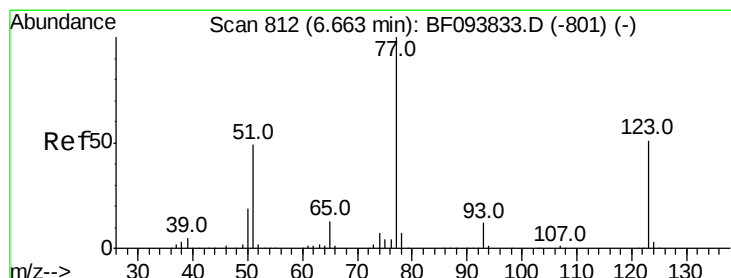
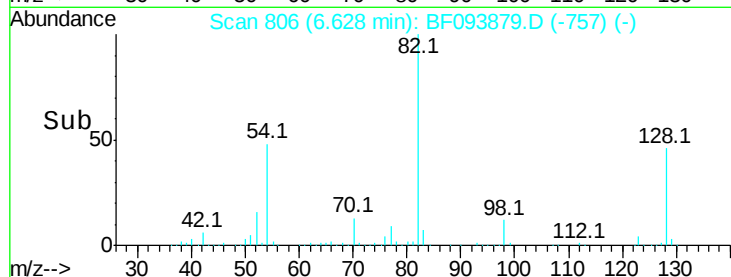
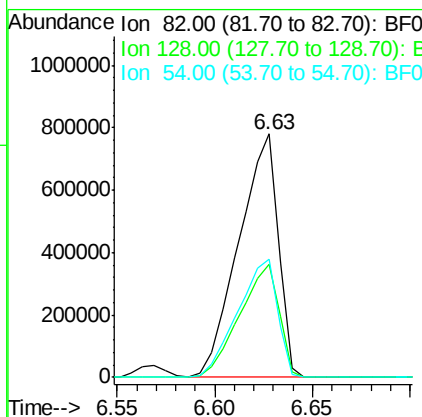
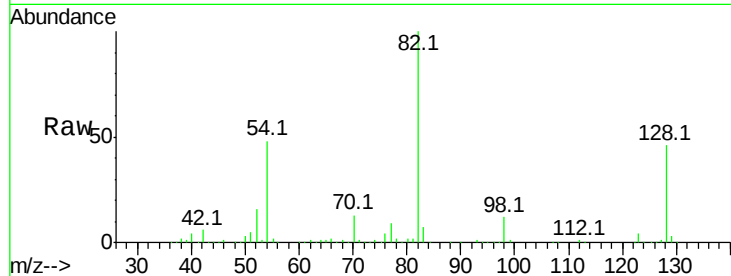




#23  
Nitrobenzene-d5  
Concen: 84.23 ng  
RT: 6.63 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

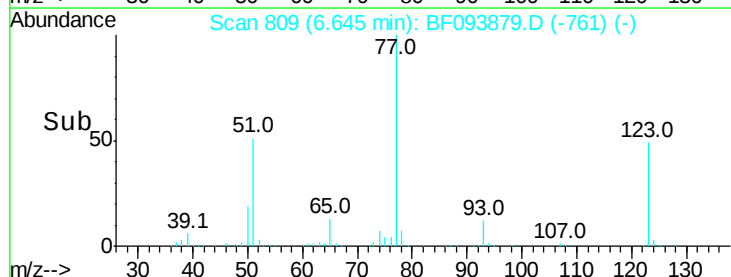
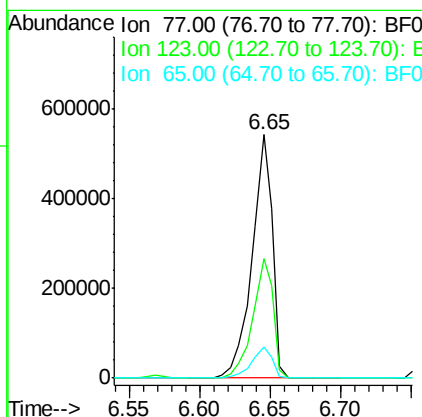
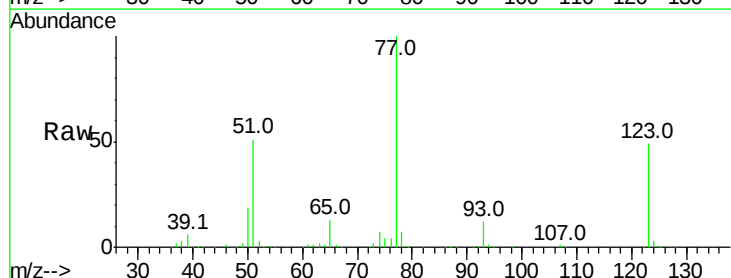
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

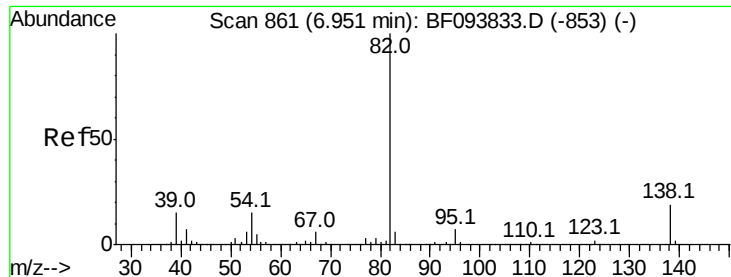
Tot Ion: 82 Resp: 1091248  
Ion Ratio Lower Upper  
82 100  
128 46.3 34.0 51.0  
54 48.3 42.2 63.2



#24  
Nitrobenzene  
Concen: 42.93 ng  
RT: 6.65 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion: 77 Resp: 548492  
Ion Ratio Lower Upper  
77 100  
123 49.3 35.8 53.8  
65 13.0 10.6 15.8





#25

Isophorone

Concen: 44.38 ng

RT: 6.93 min Scan# 858

Delta R.T. -0.02 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

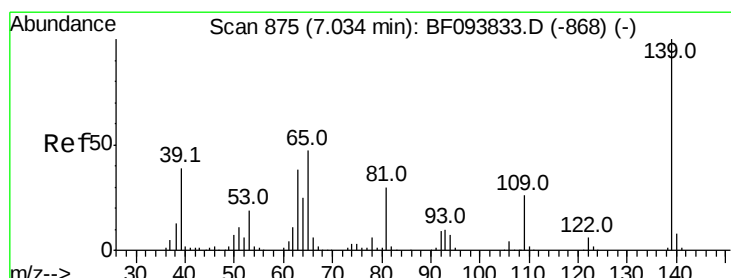
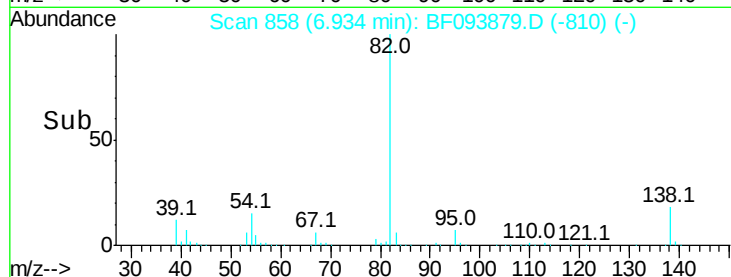
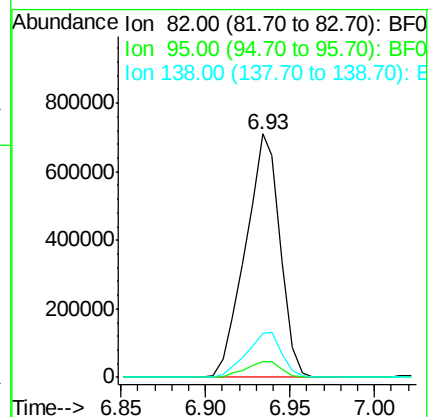
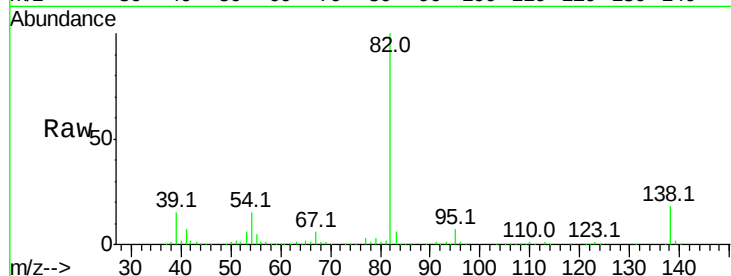
Tot Ion: 82 Resp: 1010418

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.1 13.1 19.7



#26

2-Nitrophenol

Concen: 49.44 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

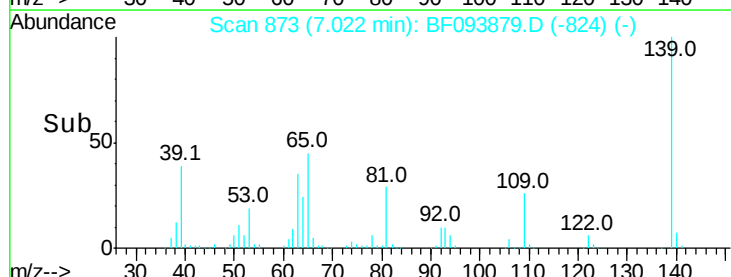
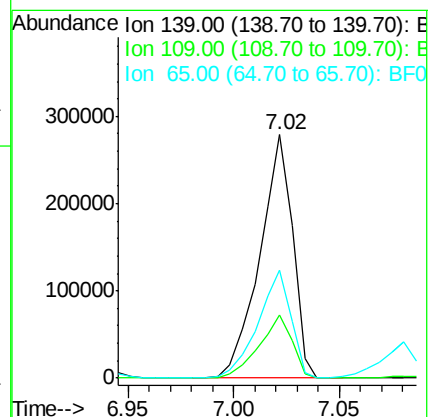
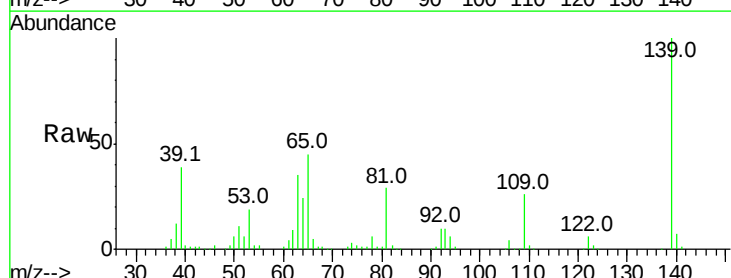
Tgt Ion: 139 Resp: 301274

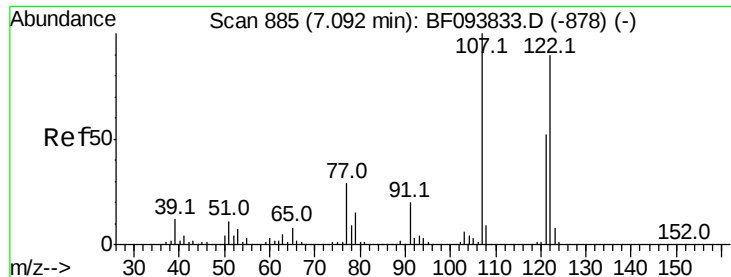
Ion Ratio Lower Upper

139 100

109 25.8 21.0 31.6

65 44.5 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 47.81 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

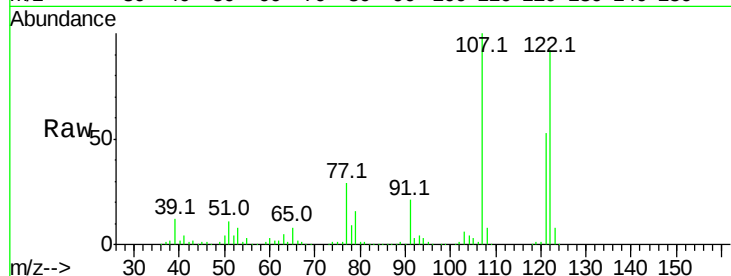
Tot Ion:122 Resp: 502034

Ion Ratio Lower Upper

122 100

107 109.1 89.2 133.8

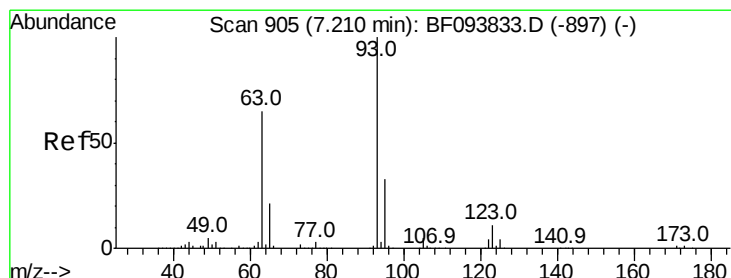
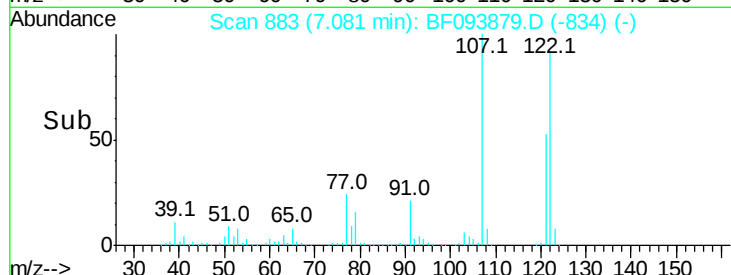
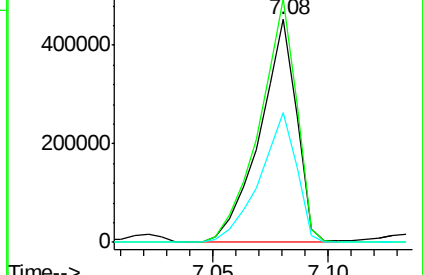
121 58.0 45.2 67.8



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: 43.15 ng

RT: 7.20 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

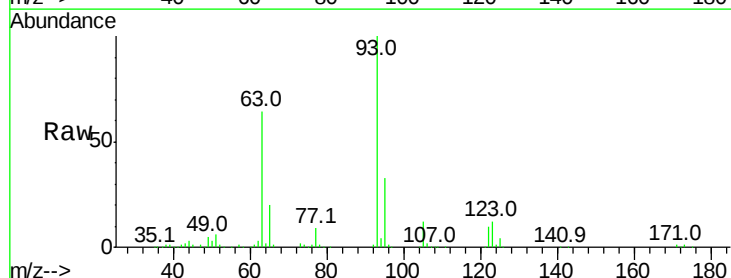
Tgt Ion: 93 Resp: 647850

Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

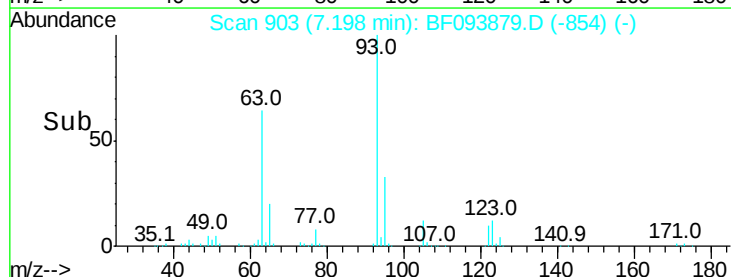
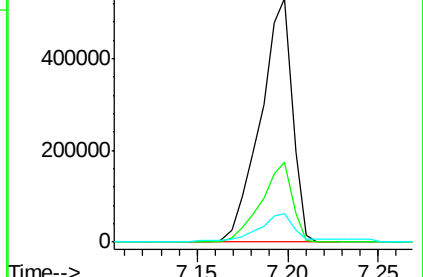
123 12.0 9.0 13.4

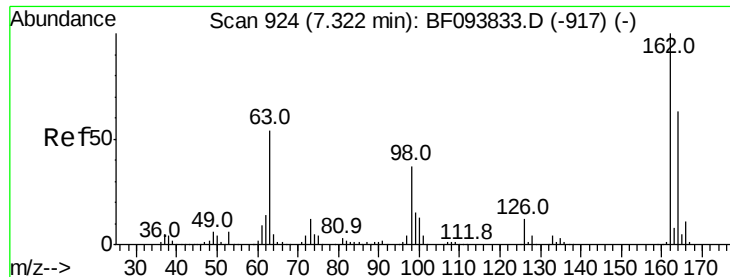


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

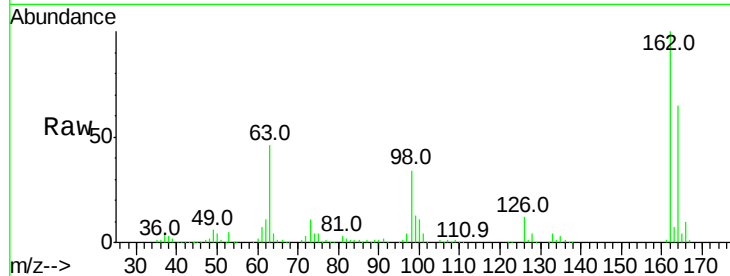




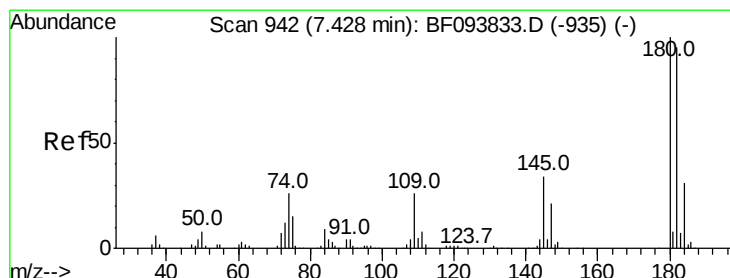
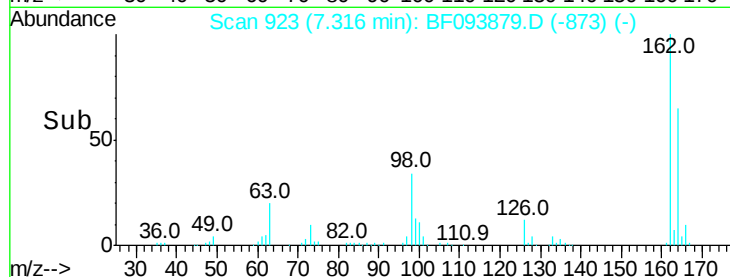
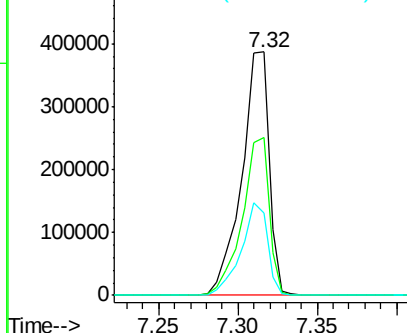
#29  
 2,4-Dichlorophenol  
 Concen: 47.39 ng  
 RT: 7.32 min Scan# 923  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 44.6  | 84.6  |
| 98      | 33.9  | 14.8  | 54.8  |

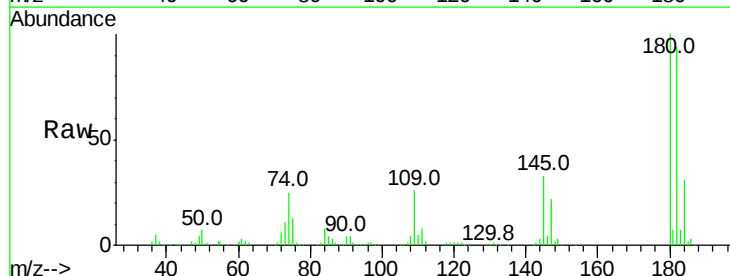


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

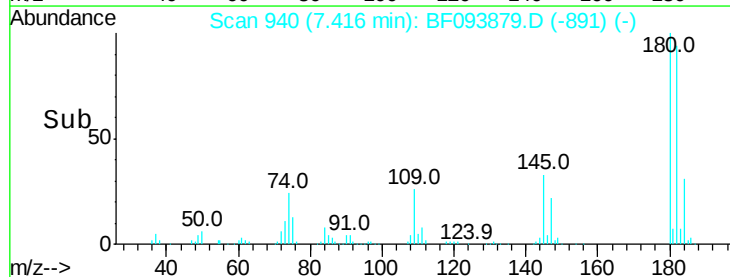
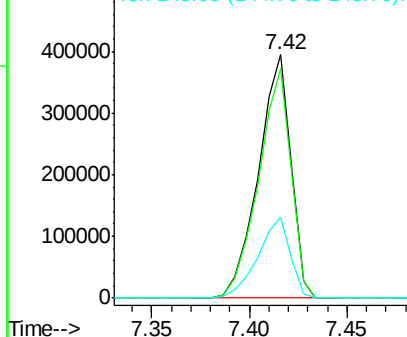


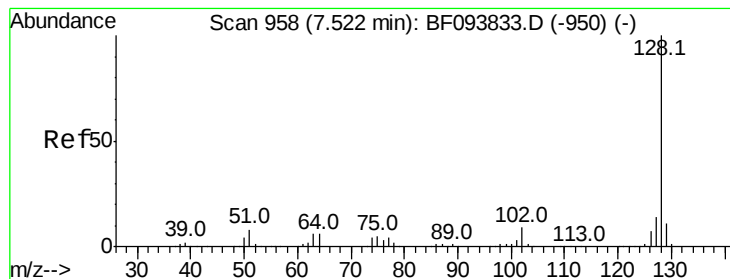
#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.90 ng  
 RT: 7.42 min Scan# 940  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 75.8  | 113.6 |
| 145     | 33.4  | 25.3  | 37.9  |



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





#31

Naphthalene

Concen: 42.90 ng

RT: 7.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

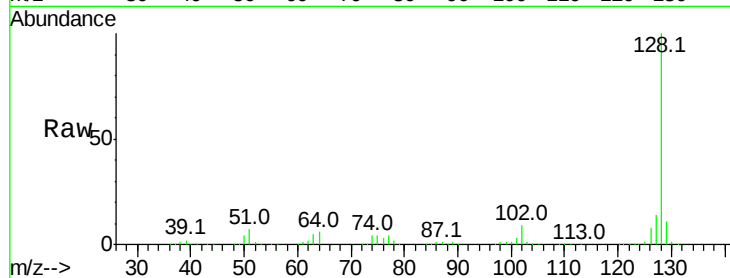
Tot Ion:128 Resp: 1525253

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

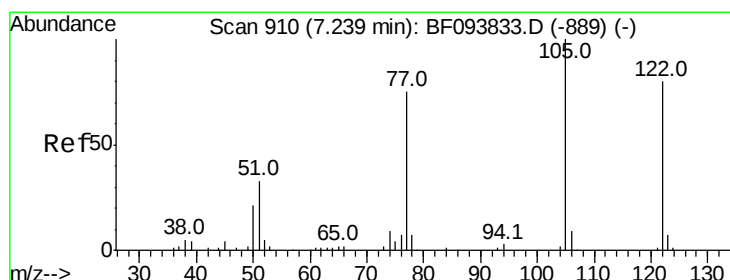
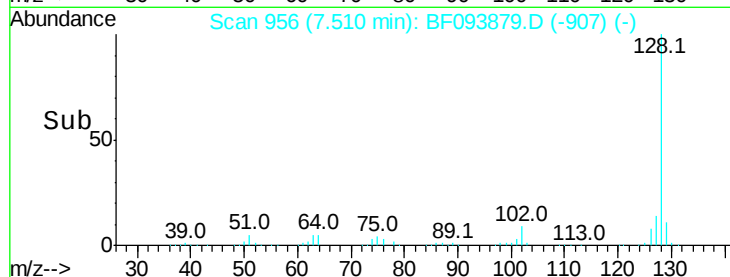
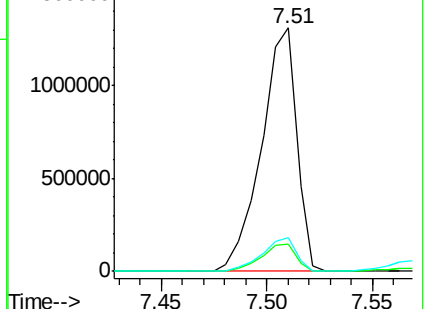
127 13.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 53.62 ng

RT: 7.24 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

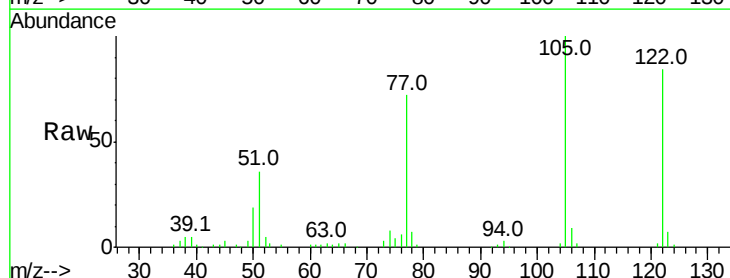
Tgt Ion:122 Resp: 374777

Ion Ratio Lower Upper

122 100

105 119.0 103.3 143.3

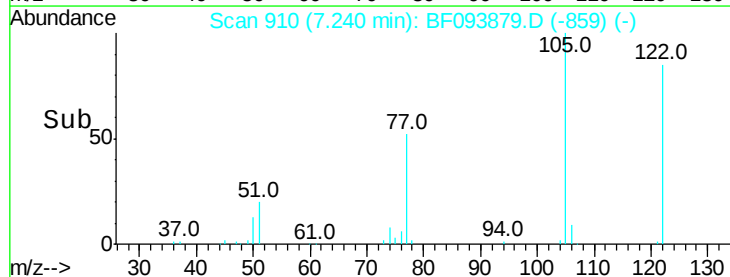
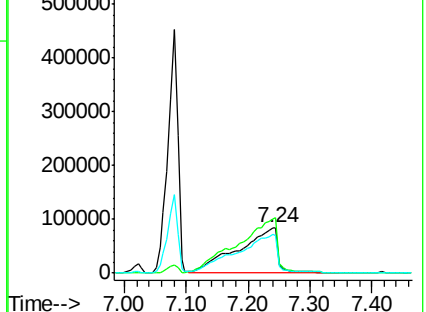
77 85.2 73.7 113.7



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

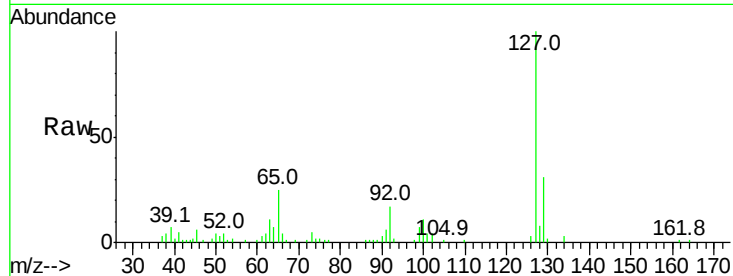




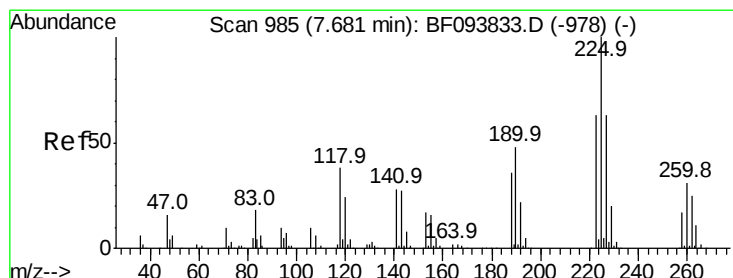
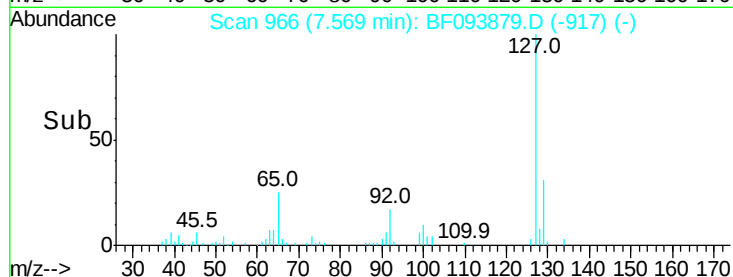
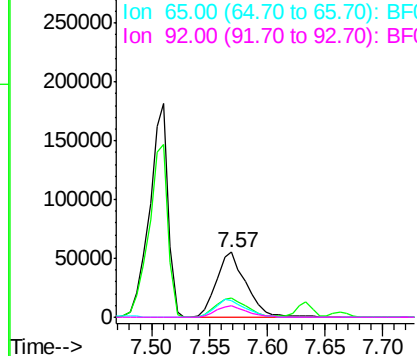
#33  
4-Chloroaniline  
Concen: 6.88 ng  
RT: 7.57 min Scan# 966  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 99136 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.6  | 26.2  | 39.2  |
| 65       | 24.8  | 27.8  | 41.8# |
| 92       | 17.0  | 16.8  | 25.2  |

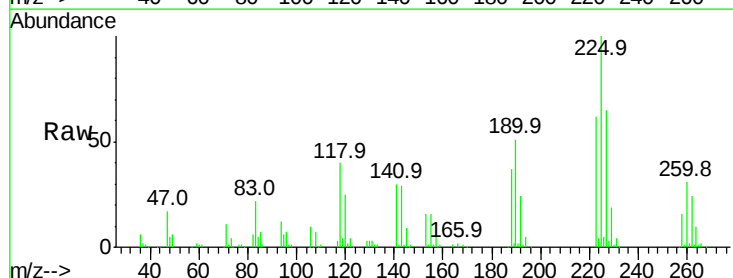


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

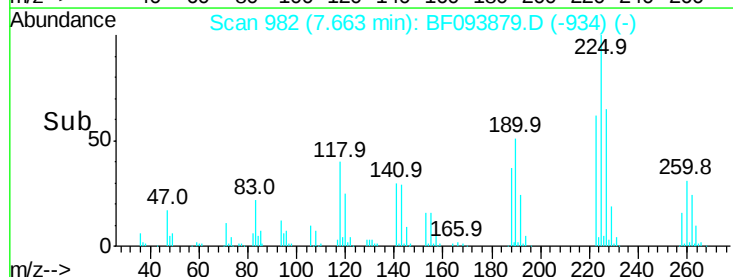
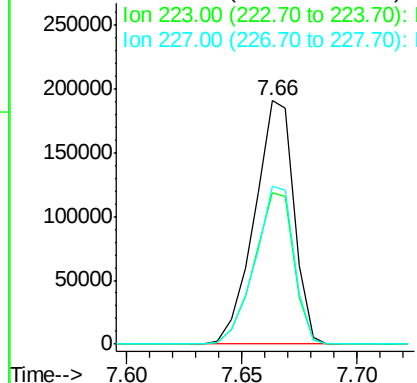


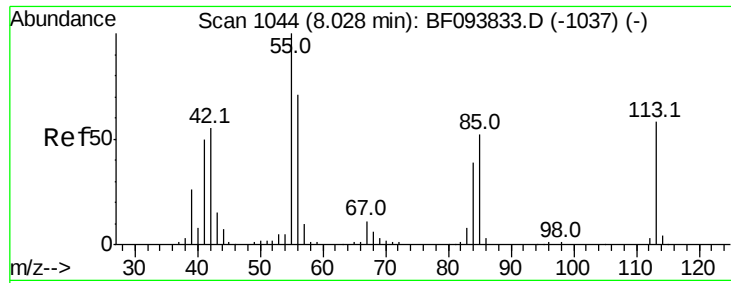
#34  
Hexachlorobutadiene  
Concen: 43.76 ng  
RT: 7.66 min Scan# 982  
Delta R.T. -0.02 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 226896 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.4  | 48.8  | 73.2   |
| 227      | 64.8  | 51.1  | 76.7   |



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

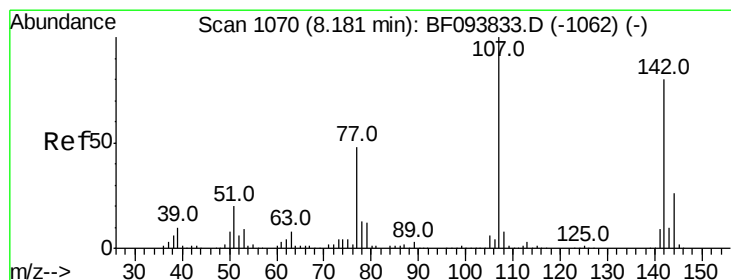
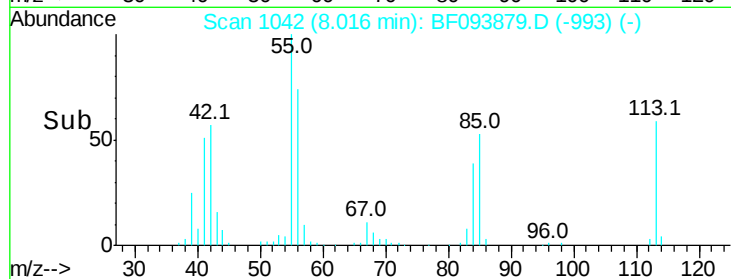
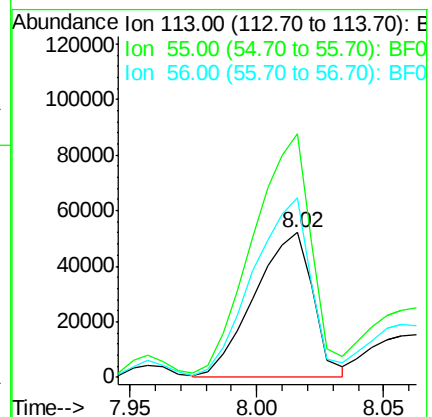
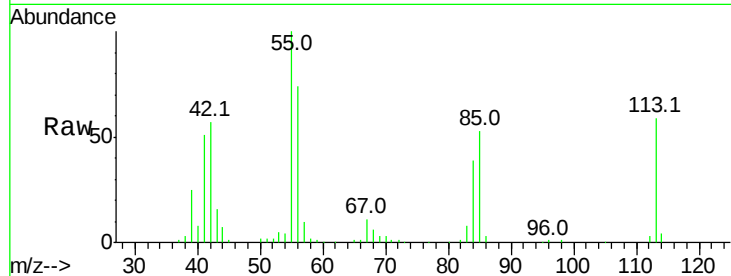




#35  
 Caprolactam  
 Concen: 26.88 ng  
 RT: 8.02 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

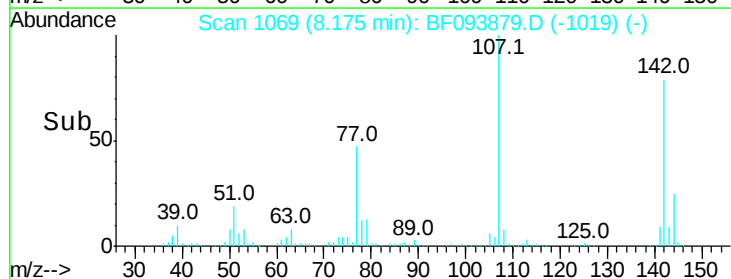
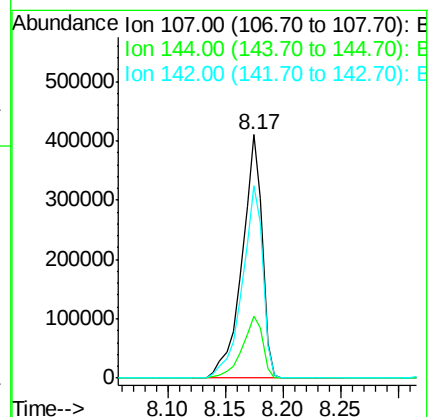
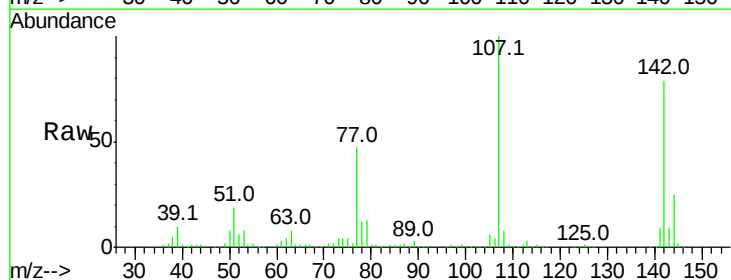
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

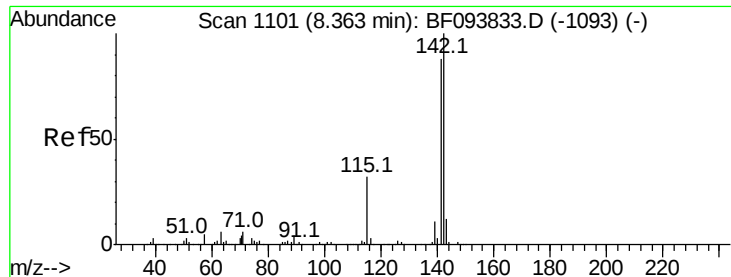
Tot Ion:113 Resp: 84157  
 Ion Ratio Lower Upper  
 113 100  
 55 168.5 150.2 190.2  
 56 124.4 107.8 147.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.13 ng  
 RT: 8.17 min Scan# 1069  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:107 Resp: 493682  
 Ion Ratio Lower Upper  
 107 100  
 144 25.5 24.2 36.4  
 142 78.9 73.4 110.0





#37

2-Methylnaphthalene

Concen: 44.89 ng

RT: 8.35 min Scan# 1099

Delta R.T. -0.01 min

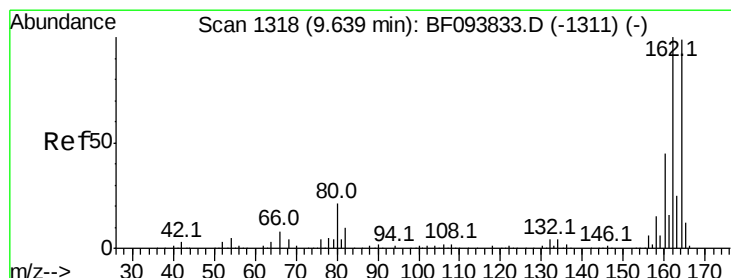
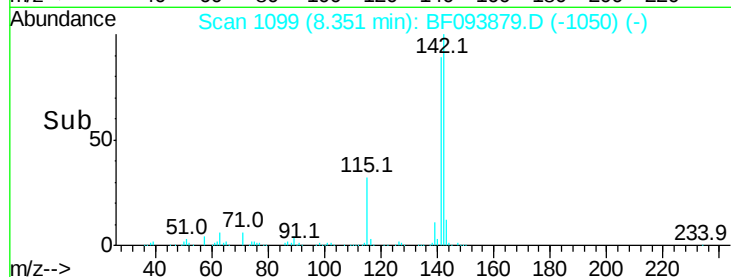
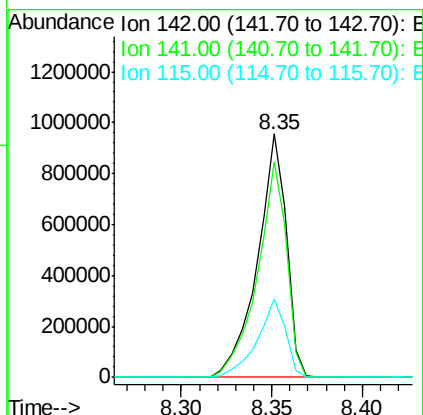
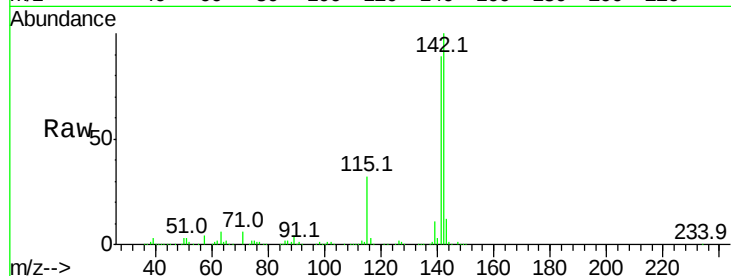
Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion:142 Resp: 1063760

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.7  | 71.3  | 106.9 |
| 115 | 32.0  | 27.1  | 40.7  |



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1316

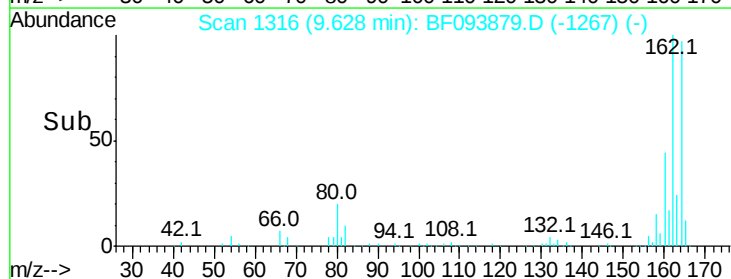
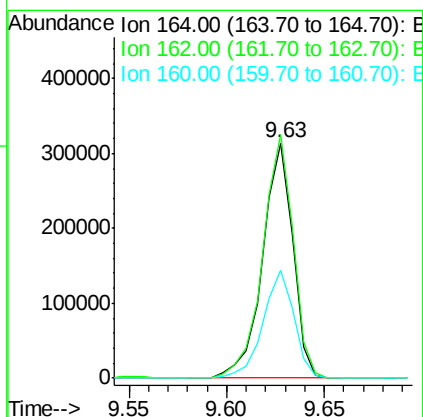
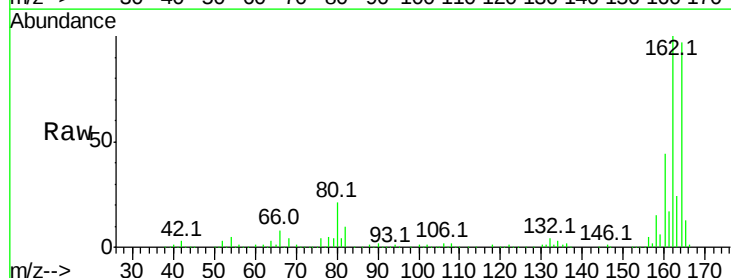
Delta R.T. -0.01 min

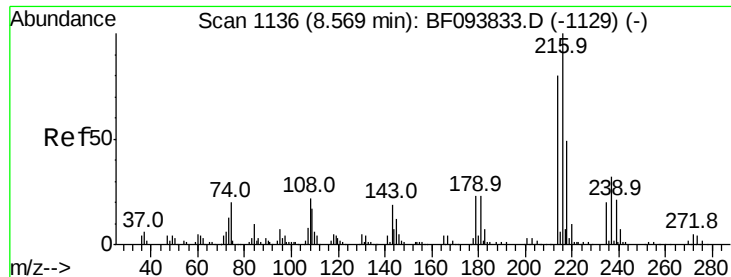
Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Tgt Ion:164 Resp: 337632

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.6 | 82.6  | 123.8 |
| 160 | 45.9  | 36.2  | 54.2  |

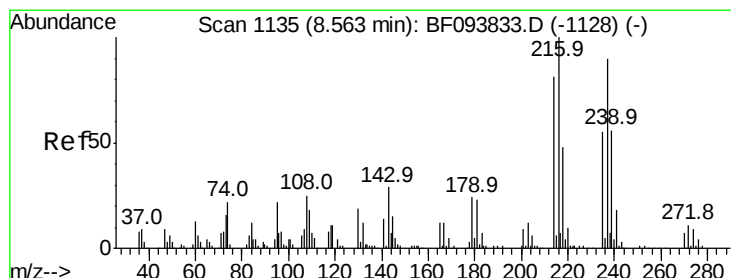
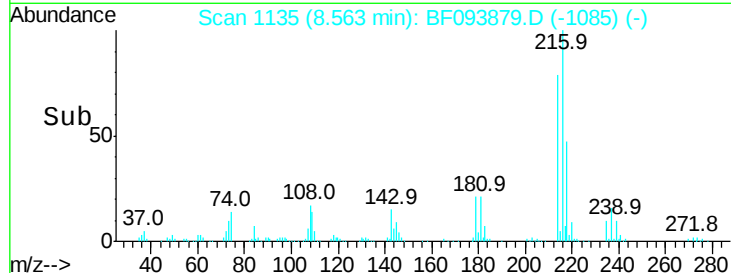
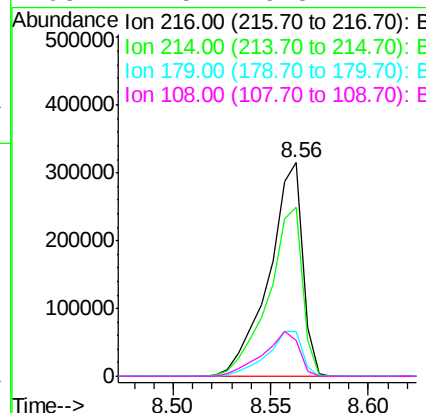
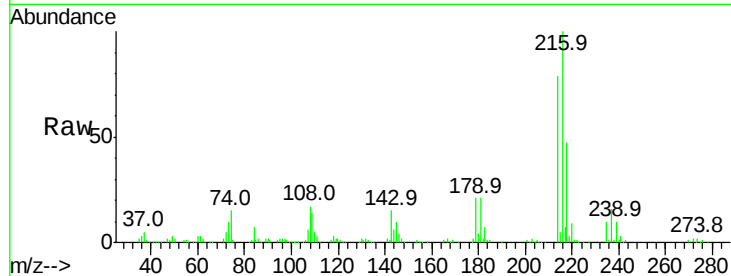




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.85 ng  
 RT: 8.56 min Scan# 1135  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

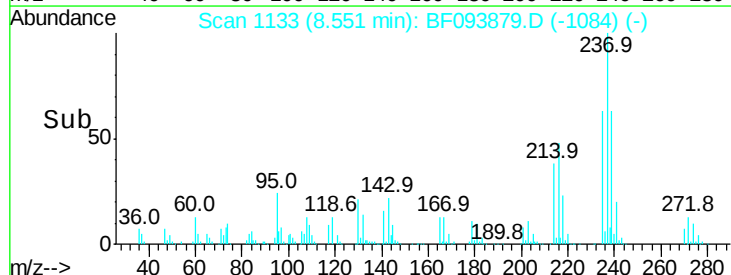
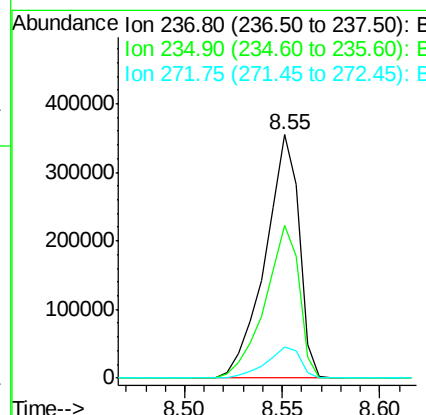
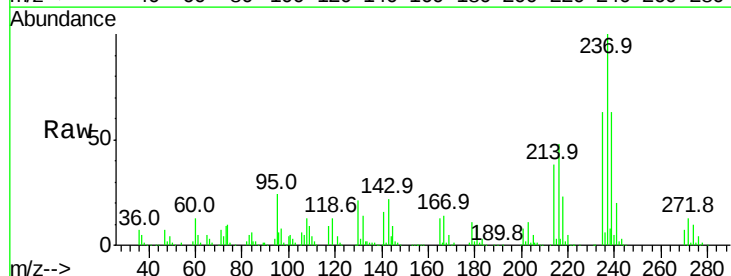
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 377302 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.3  | 63.4  | 95.2   |
| 179      | 22.0  | 17.9  | 26.9   |
| 108      | 22.5  | 16.5  | 24.7   |



#40  
 Hexachlorocyclopentadiene  
 Concen: 98.73 ng  
 RT: 8.55 min Scan# 1133  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 426715 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.5  | 42.6  | 82.6   |
| 272      | 12.6  | 0.0   | 31.9   |





#41

2,4,6-Tribromophenol

Concen: 140.32 ng

RT: 10.60 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

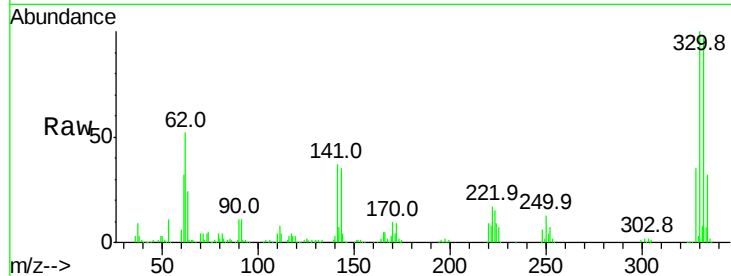
Tot Ion:330 Resp: 374364

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

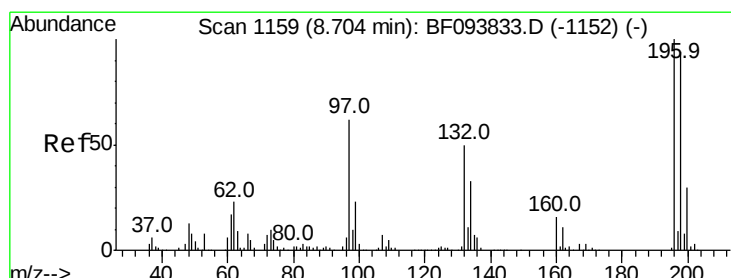
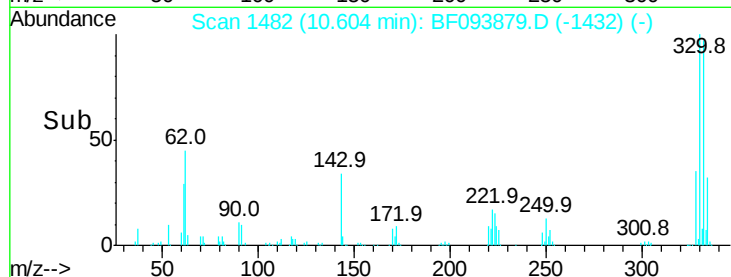
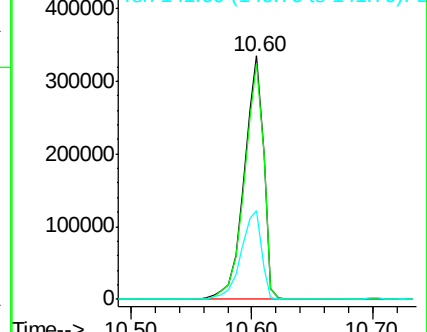
141 38.7 31.4 47.2



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: 49.18 ng

RT: 8.70 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

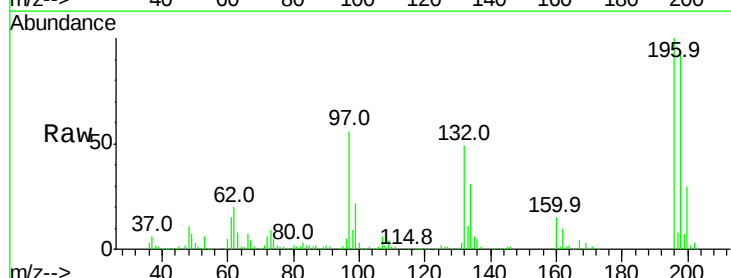
Tgt Ion:196 Resp: 321394

Ion Ratio Lower Upper

196 100

198 94.2 74.2 111.4

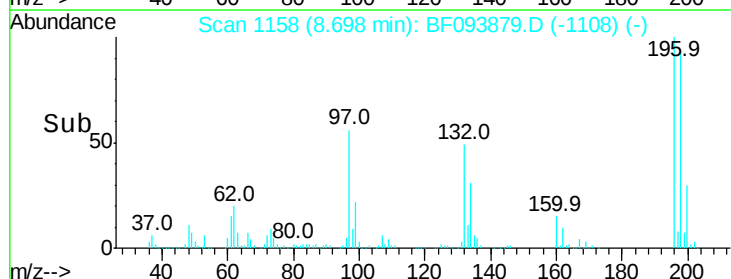
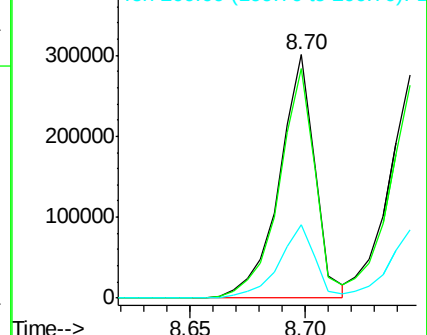
200 30.3 24.0 36.0

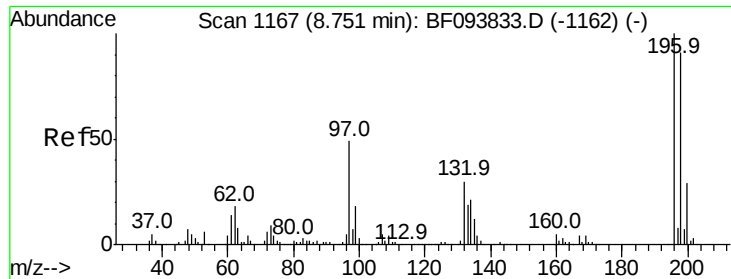


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

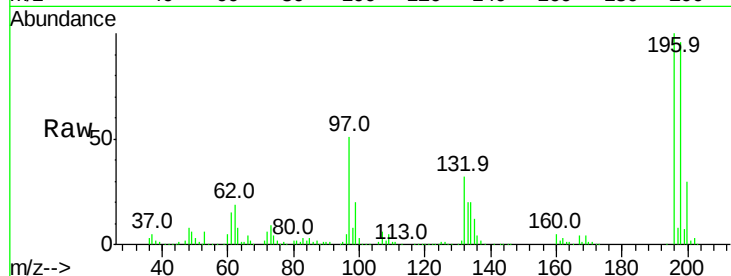




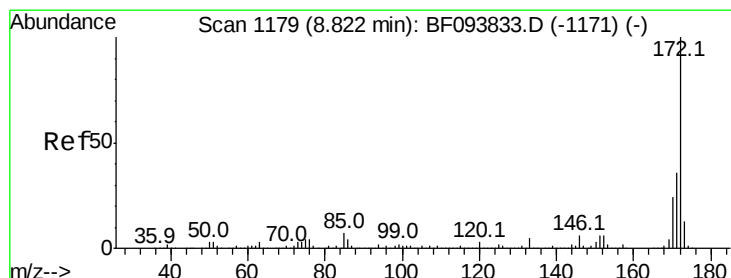
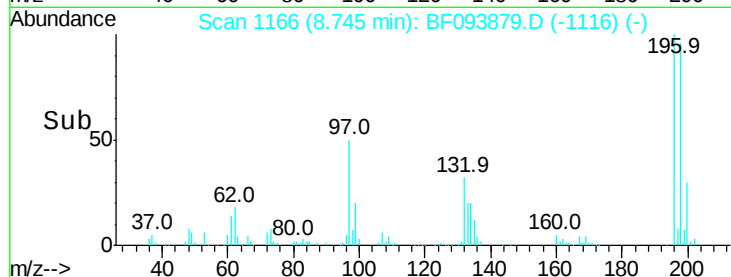
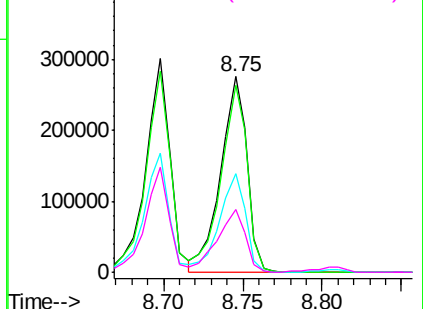
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.01 ng  
 RT: 8.75 min Scan# 1166  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 318276 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 95.6  | 75.7  | 113.5  |
| 97       | 50.6  | 47.7  | 71.5   |
| 132      | 32.3  | 28.0  | 42.0   |

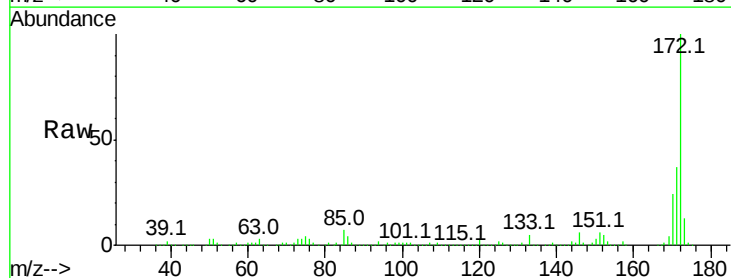


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

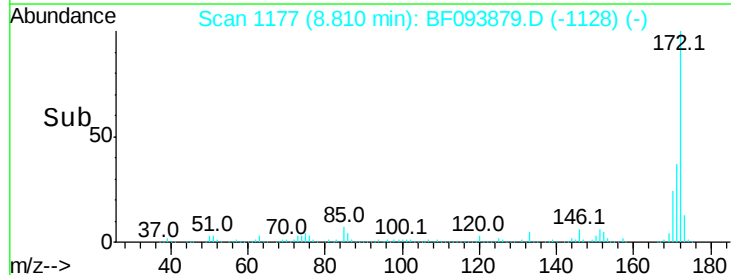
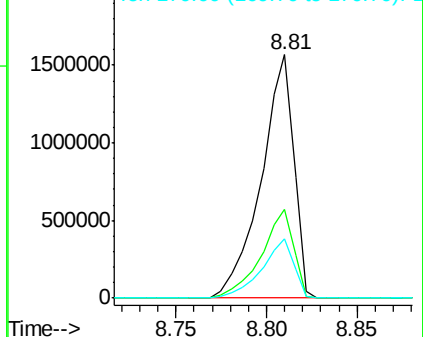


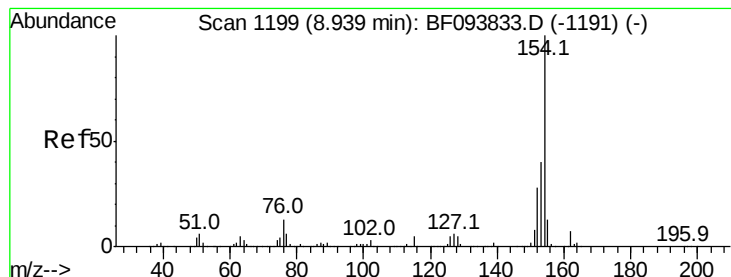
#44  
 2-Fluorobiphenyl  
 Concen: 88.40 ng  
 RT: 8.81 min Scan# 1177  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1956711 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.5  | 29.6  | 44.4    |
| 170      | 24.4  | 19.8  | 29.8    |



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





#45

1,1'-Biphenyl

Concen: 43.39 ng

RT: 8.93 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

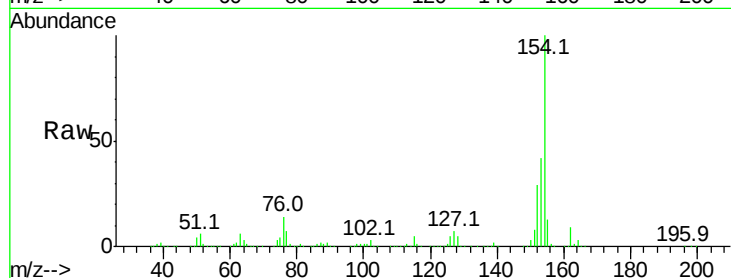
Tot Ion:154 Resp: 1181559

Ion Ratio Lower Upper

154 100

153 42.0 21.2 61.2

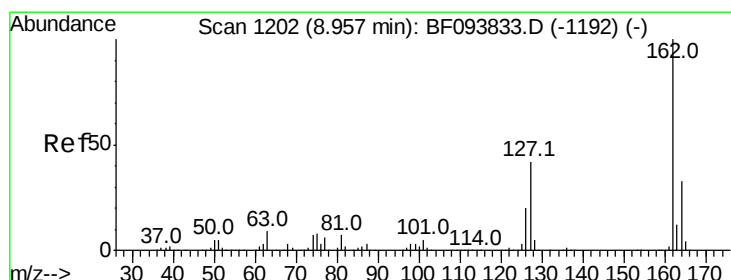
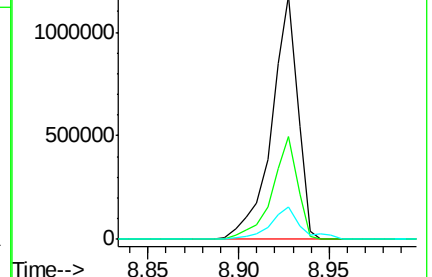
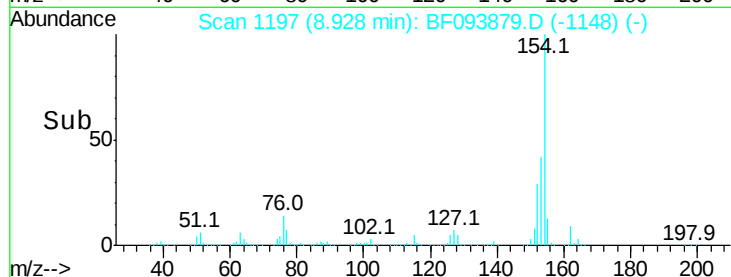
76 13.5 0.0 29.9



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: 43.78 ng

RT: 8.95 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

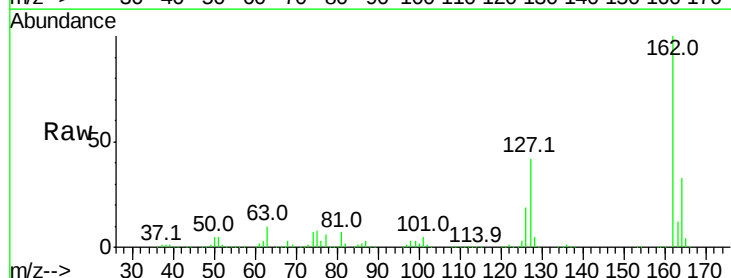
Tgt Ion:162 Resp: 933231

Ion Ratio Lower Upper

162 100

127 41.7 28.3 42.5

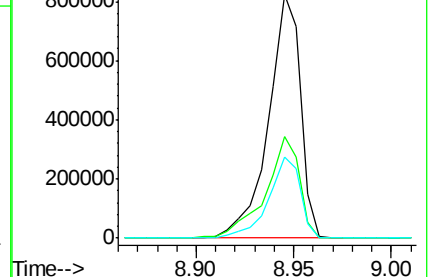
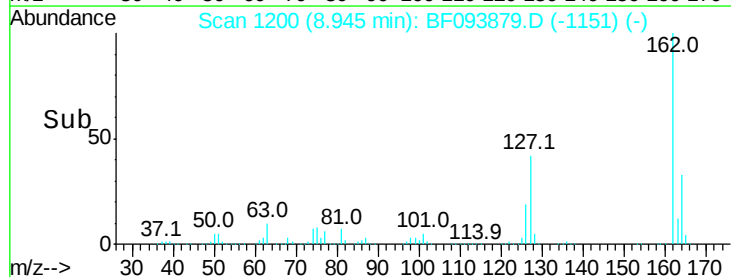
164 33.4 27.0 40.4

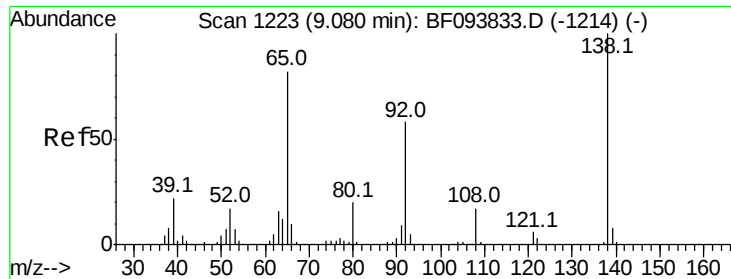


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 44.52 ng

RT: 9.07 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

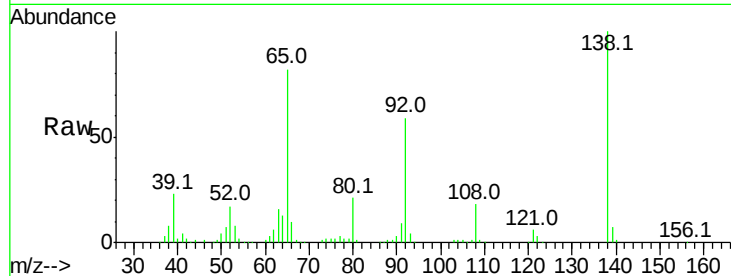
Tot Ion: 65 Resp: 281545

Ion Ratio Lower Upper

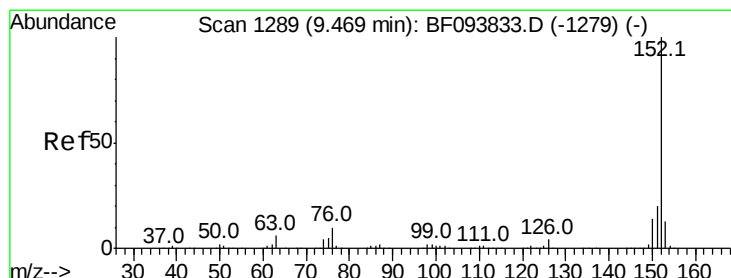
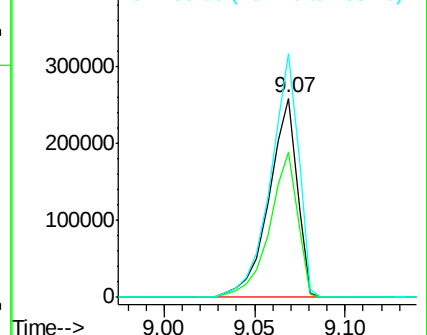
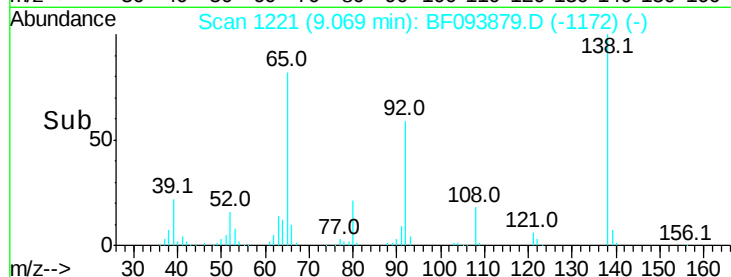
65 100

92 72.7 53.9 80.9

138 122.2 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 42.60 ng

RT: 9.46 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

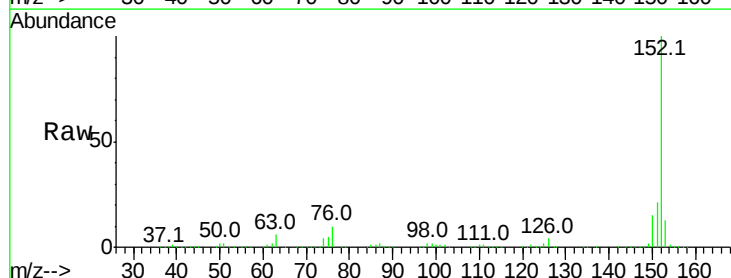
Tgt Ion:152 Resp: 1509194

Ion Ratio Lower Upper

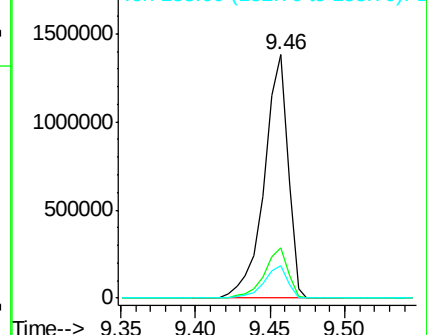
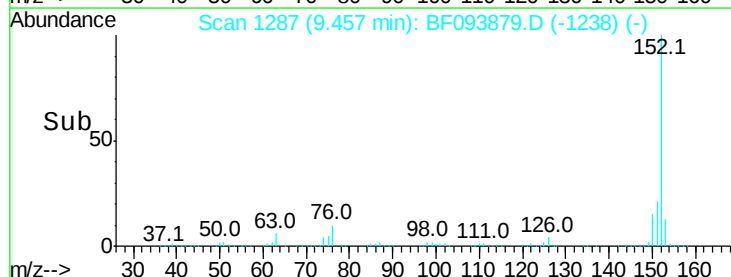
152 100

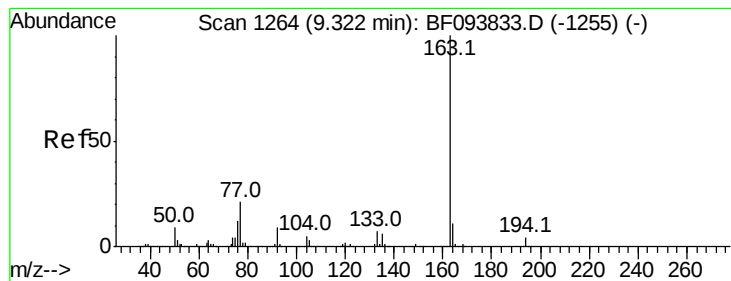
151 20.7 16.8 25.2

153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 45.81 ng

RT: 9.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

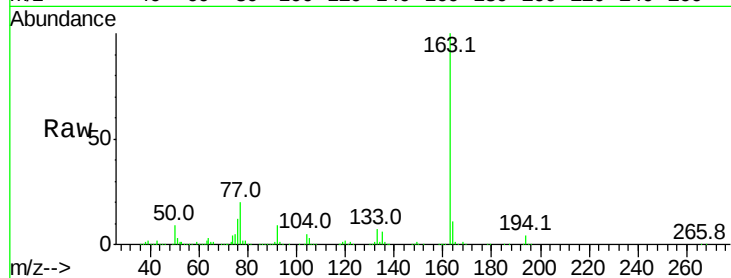
Tot Ion:163 Resp: 1099397

Ion Ratio Lower Upper

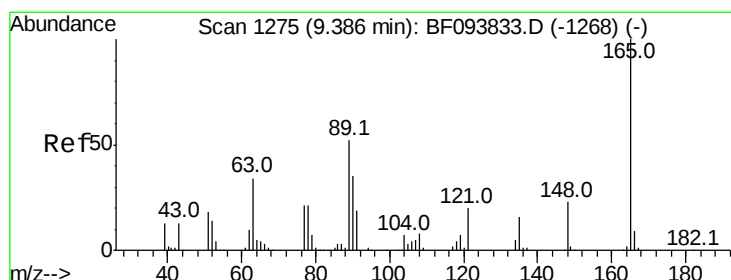
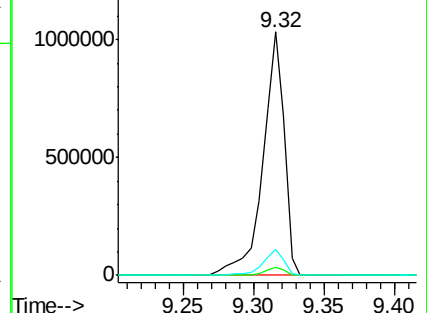
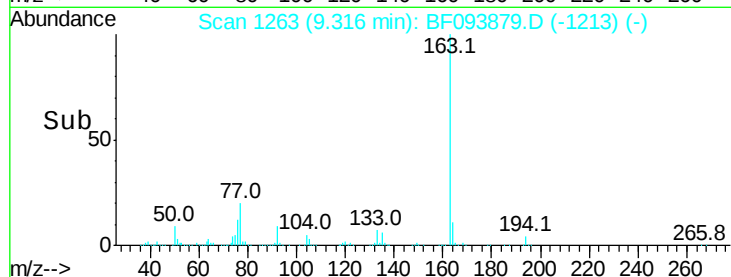
163 100

194 3.6 2.6 4.0

164 10.6 8.4 12.6



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: 45.73 ng

RT: 9.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

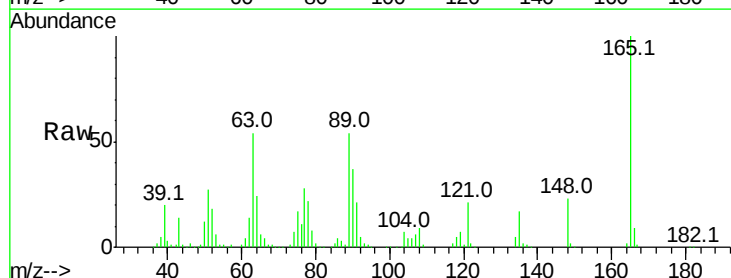
Tgt Ion:165 Resp: 251594

Ion Ratio Lower Upper

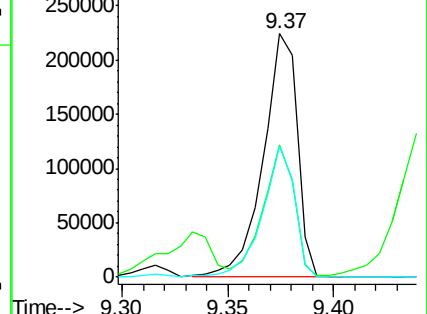
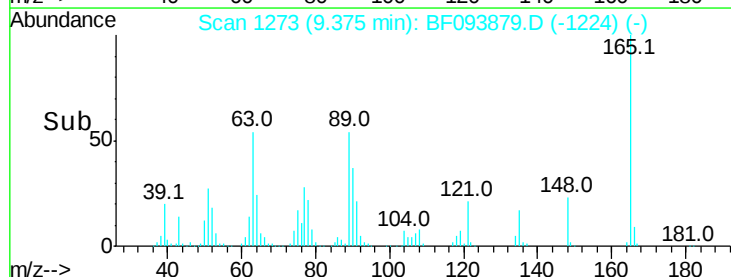
165 100

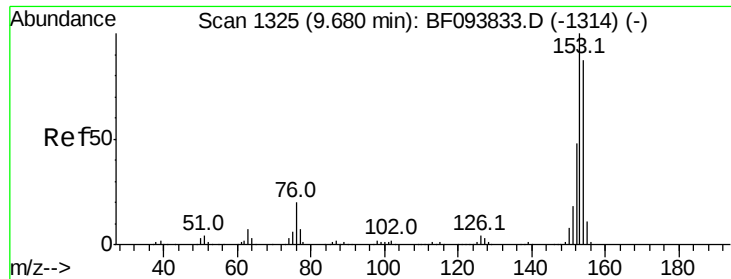
63 54.5 34.3 51.5#

89 54.0 37.1 55.7



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.00 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

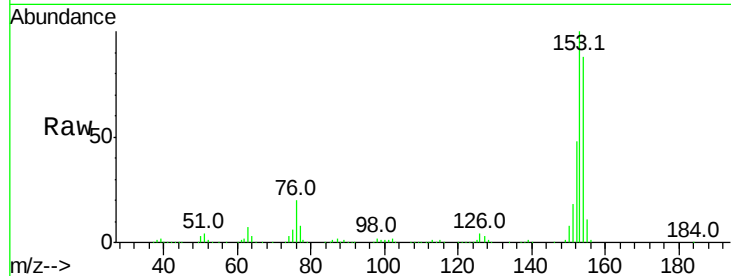
Tot Ion:154 Resp: 888984

Ion Ratio Lower Upper

154 100

153 113.9 90.5 135.7

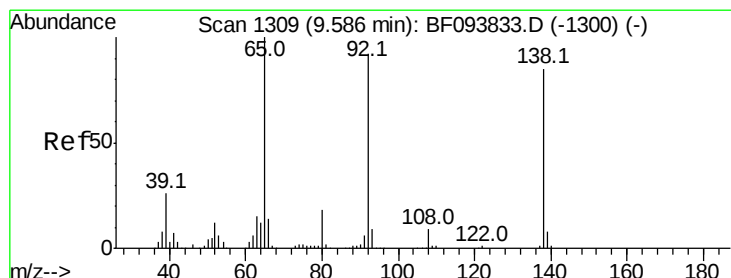
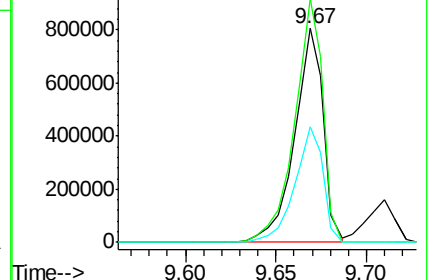
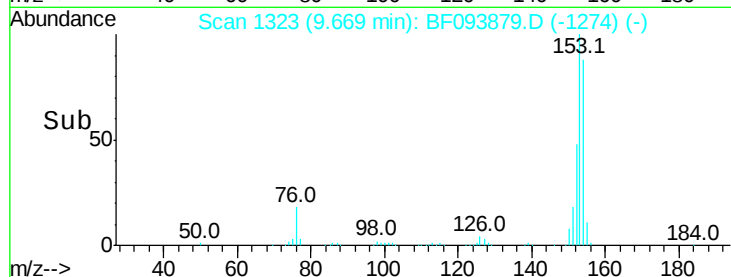
152 54.2 43.6 65.4



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: 14.81 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

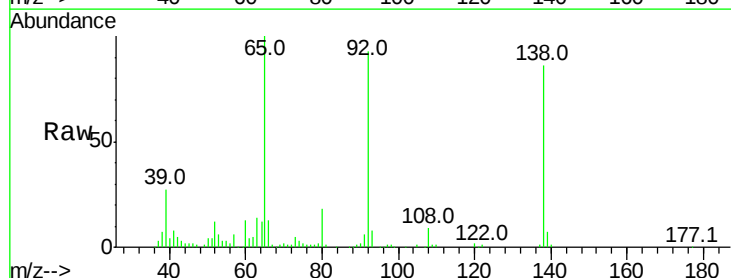
Tgt Ion:138 Resp: 95691

Ion Ratio Lower Upper

138 100

108 11.0 9.1 13.7

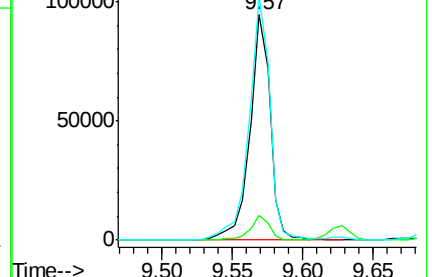
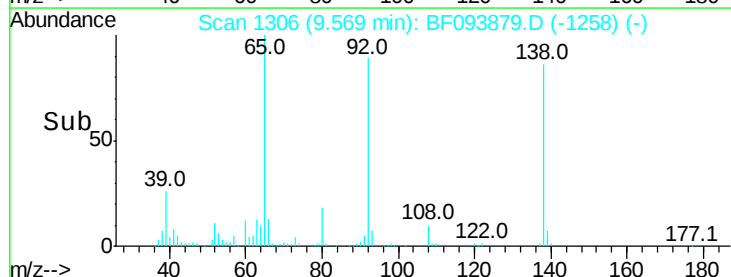
92 108.1 93.8 140.6

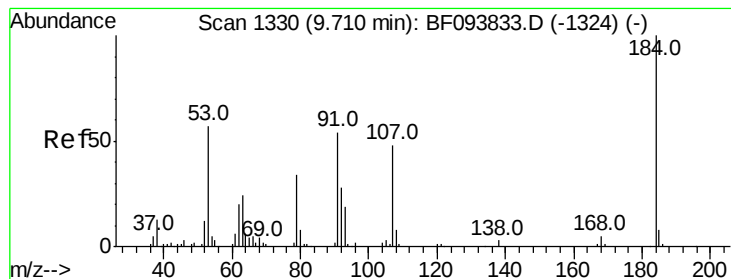


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 95.56 ng

RT: 9.71 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

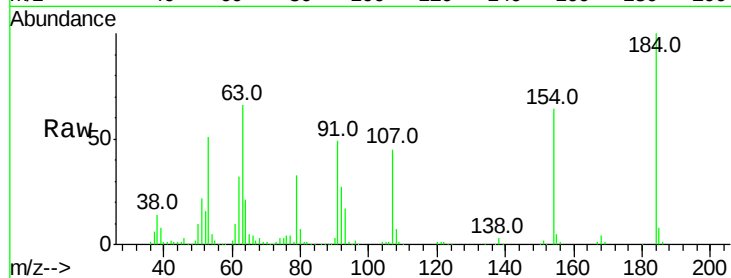
Tot Ion:184 Resp: 284164

Ion Ratio Lower Upper

184 100

63 66.1 62.7 94.1

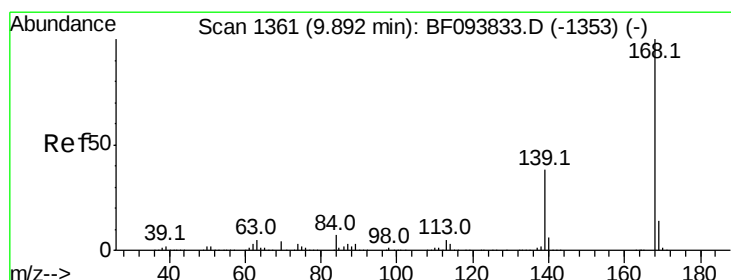
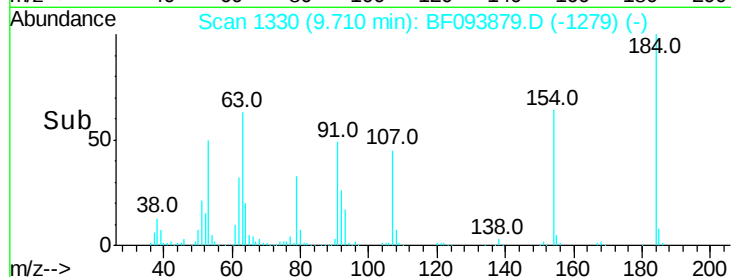
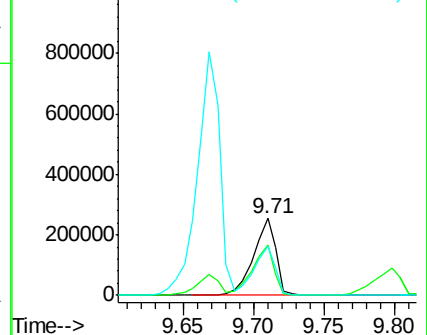
154 63.8 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 46.22 ng

RT: 9.89 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

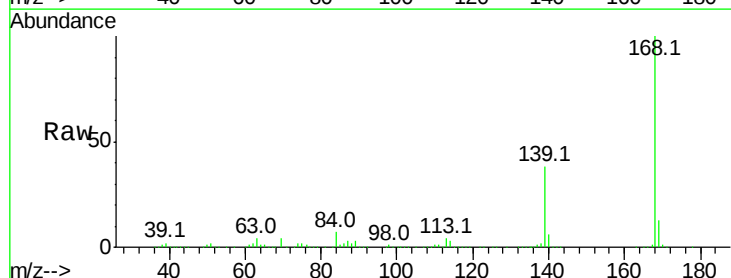
Tgt Ion:168 Resp: 1300766

Ion Ratio Lower Upper

168 100

139 37.9 30.6 45.8

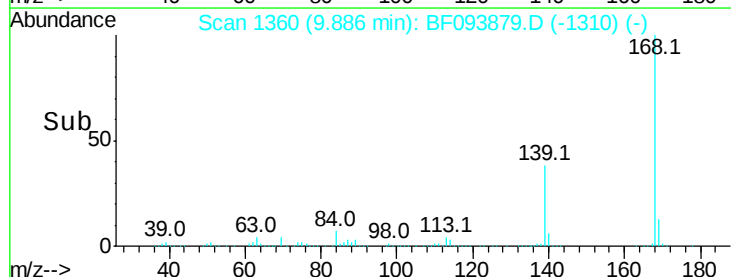
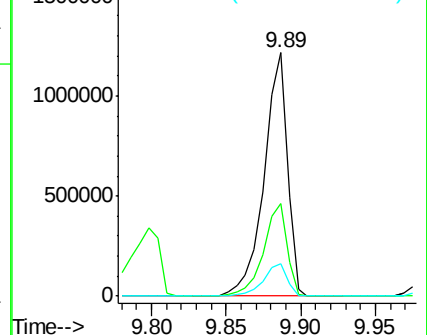
169 13.3 10.8 16.2

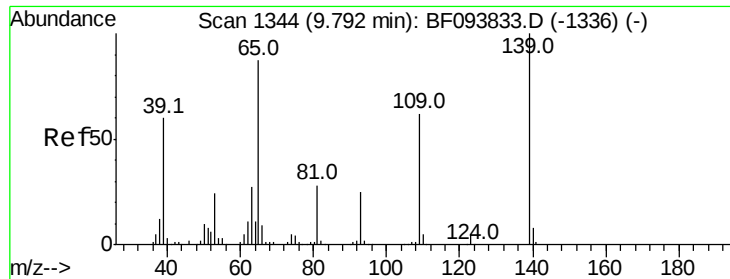


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 92.69 ng

RT: 9.80 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

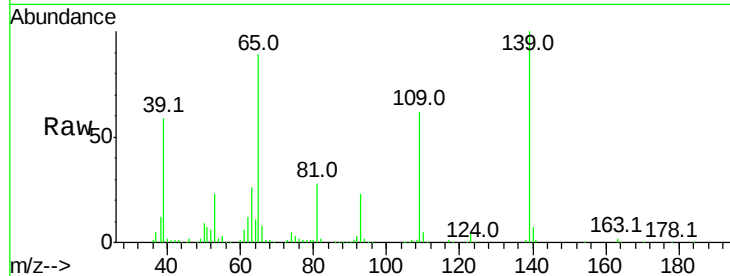
Tot Ion:139 Resp: 468948

Ion Ratio Lower Upper

139 100

109 62.1 34.1 74.1

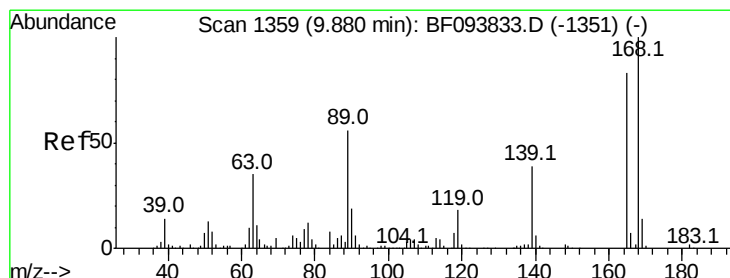
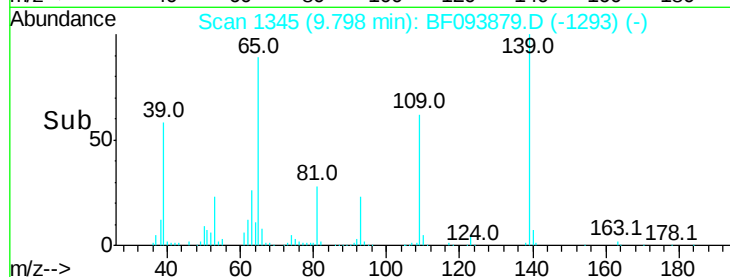
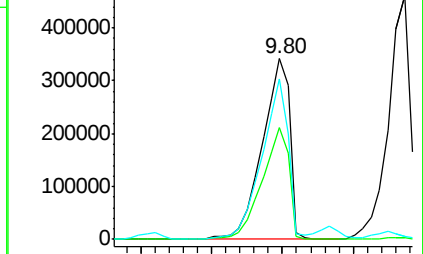
65 88.7 31.4 71.4#



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: 46.41 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Tgt Ion:165 Resp: 320717

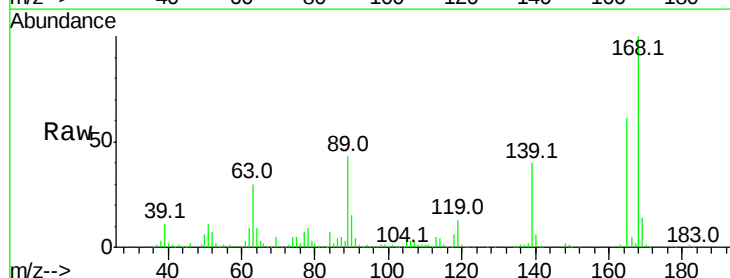
Ion Ratio Lower Upper

165 100

63 49.0 25.4 38.0#

89 71.2 46.4 69.6#

182 2.3 1.8 2.6

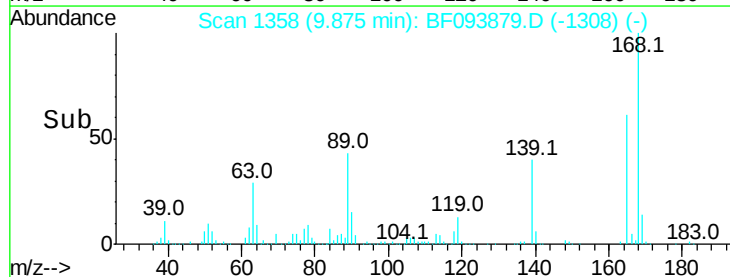
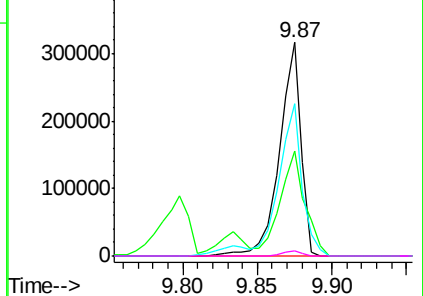


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

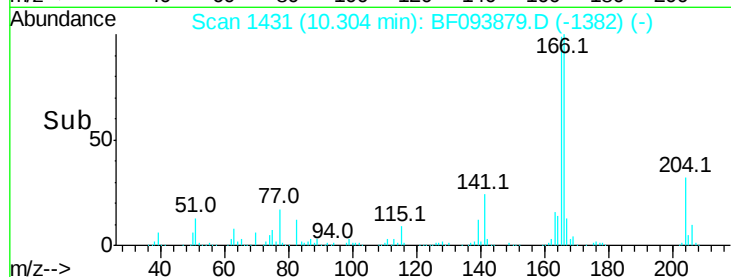
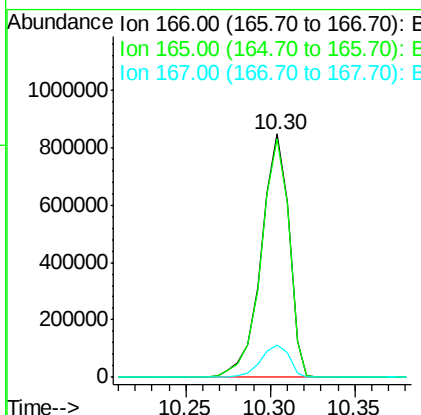
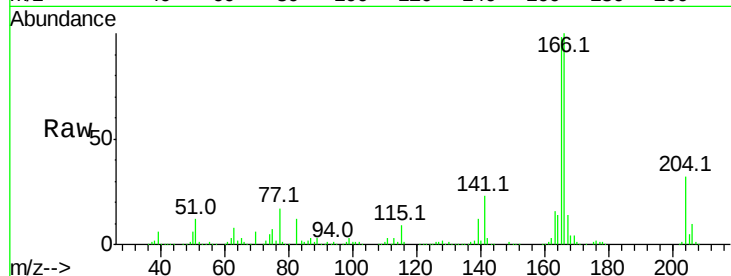




#57  
 Fluorene  
 Concen: 41.41 ng  
 RT: 10.30 min Scan# 1431  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

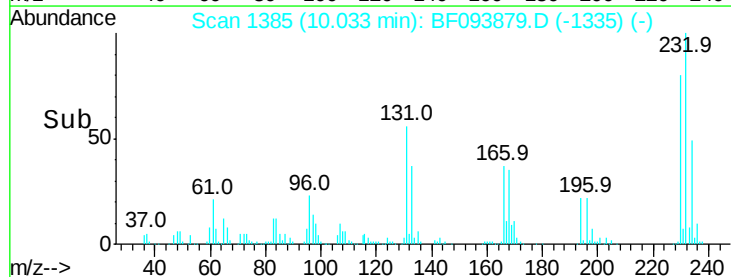
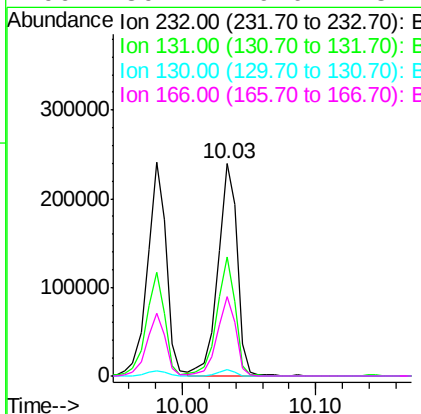
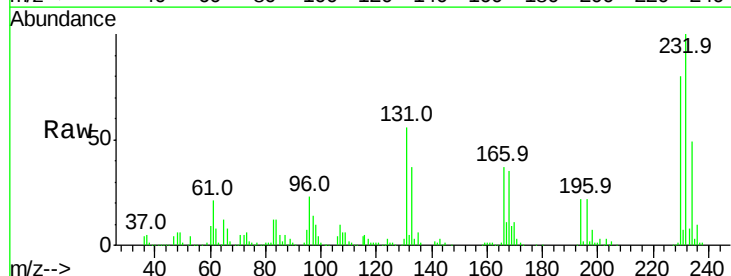
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

Tot Ion:166 Resp: 966304  
 Ion Ratio Lower Upper  
 166 100  
 165 97.9 78.8 118.2  
 167 13.6 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.56 ng  
 RT: 10.03 min Scan# 1385  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:232 Resp: 245301  
 Ion Ratio Lower Upper  
 232 100  
 131 53.8 44.8 67.2  
 130 2.6 2.3 3.5  
 166 36.1 29.0 43.4

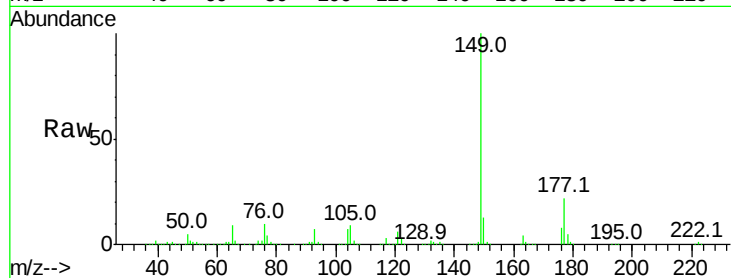




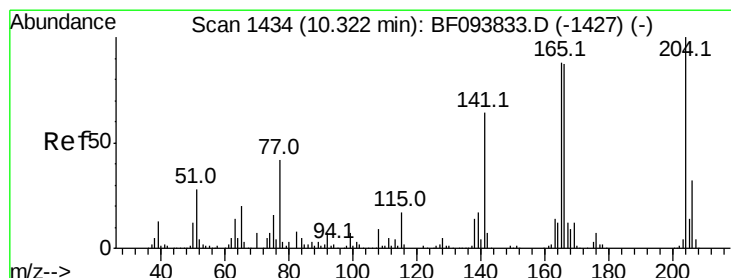
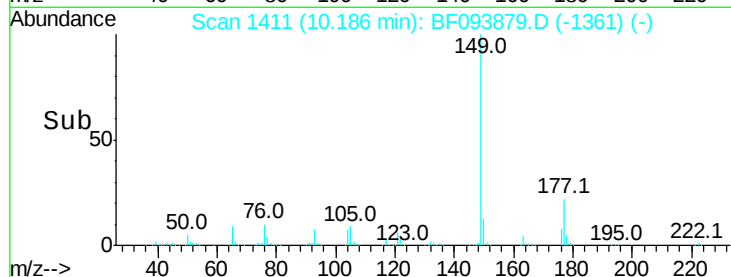
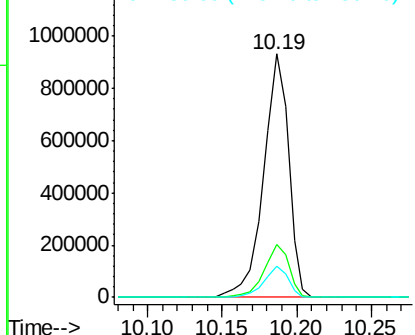
#59  
Diethylphthalate  
Concen: 45.28 ng  
RT: 10.19 min Scan# 1411  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion:149 Resp: 1074055  
Ion Ratio Lower Upper  
149 100  
177 21.6 16.7 25.1  
150 12.5 10.2 15.2

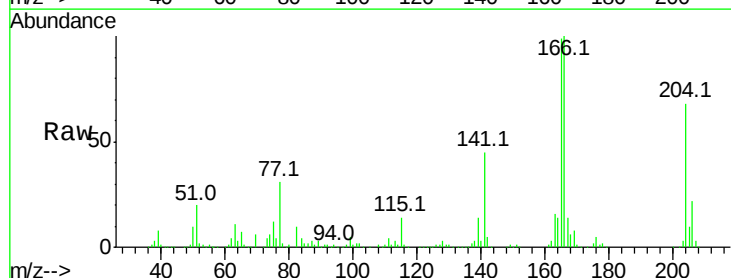


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

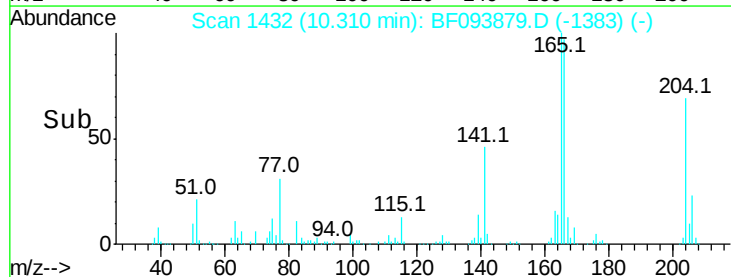
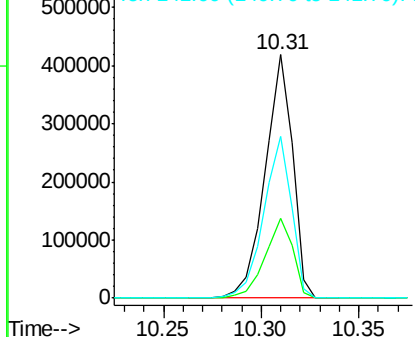


#60  
4-Chlorophenyl-phenylether  
Concen: 41.26 ng  
RT: 10.31 min Scan# 1432  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion:204 Resp: 410235  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.2  
141 66.5 60.8 91.2



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

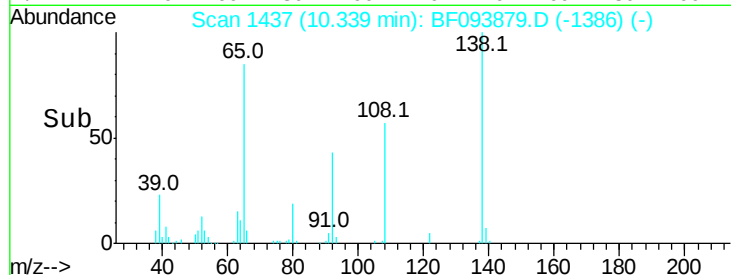
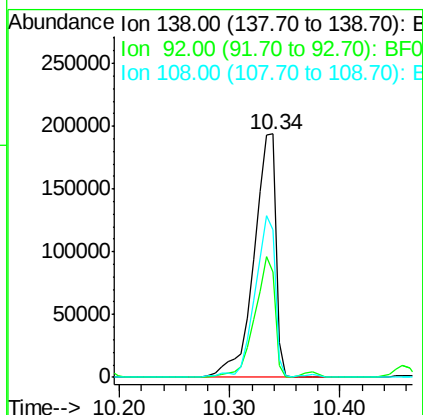
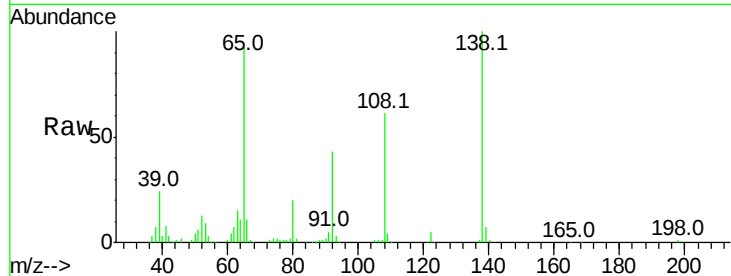




#61  
4-Nitroaniline  
Concen: 43.74 ng  
RT: 10.34 min Scan# 1437  
Delta R.T. 0.00 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

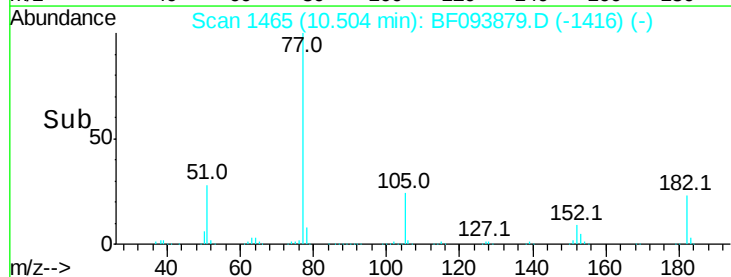
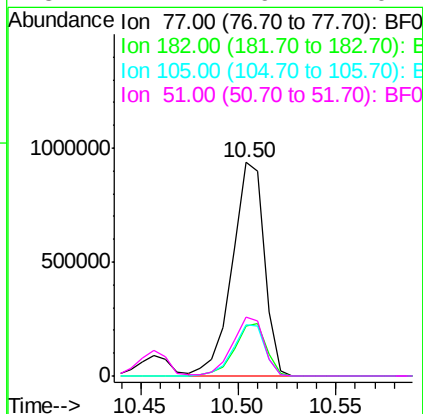
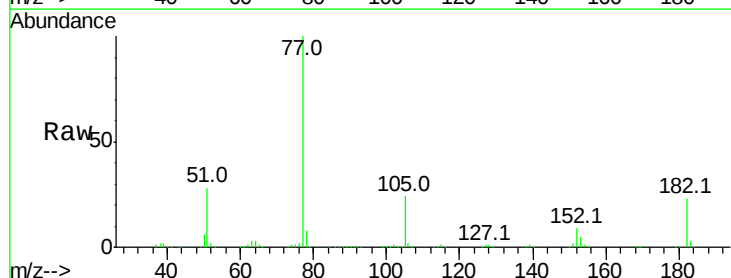
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

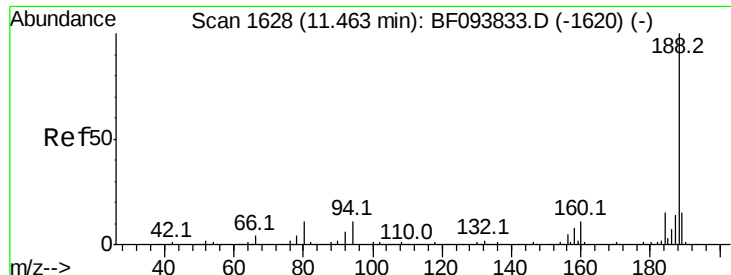
Tot Ion:138 Resp: 271185  
Ion Ratio Lower Upper  
138 100  
92 43.5 21.8 61.8  
108 60.9 42.3 82.3



#62  
Azobenzene  
Concen: 47.49 ng  
RT: 10.50 min Scan# 1465  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion: 77 Resp: 1065633  
Ion Ratio Lower Upper  
77 100  
182 23.1 0.1 40.1  
105 23.7 3.6 43.6  
51 27.7 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

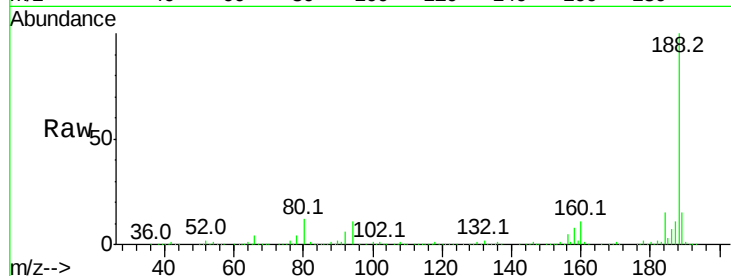
Tot Ion:188 Resp: 587648

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

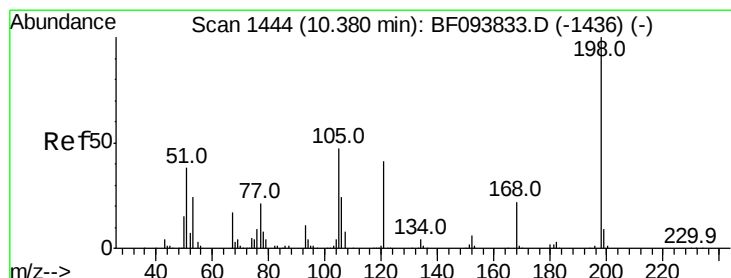
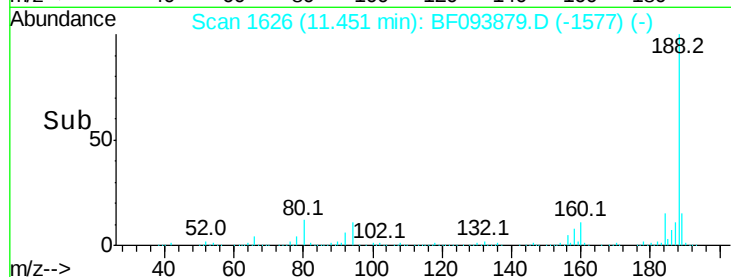
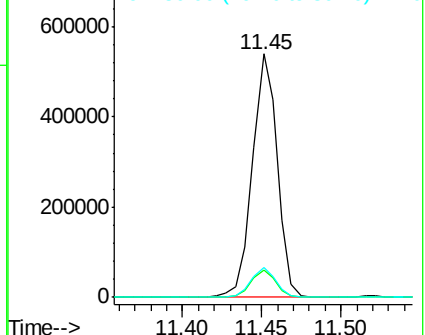
80 12.4 10.2 15.2



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: 50.30 ng

RT: 10.37 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

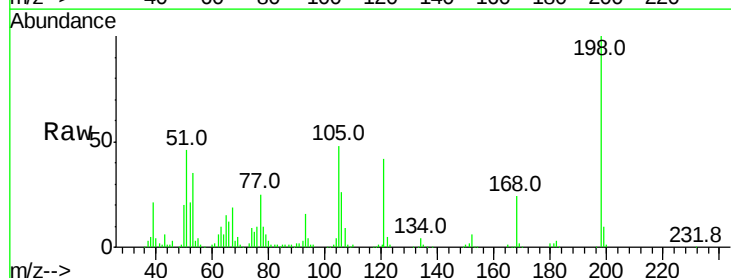
Tgt Ion:198 Resp: 181015

Ion Ratio Lower Upper

198 100

51 46.3 53.2 93.2#

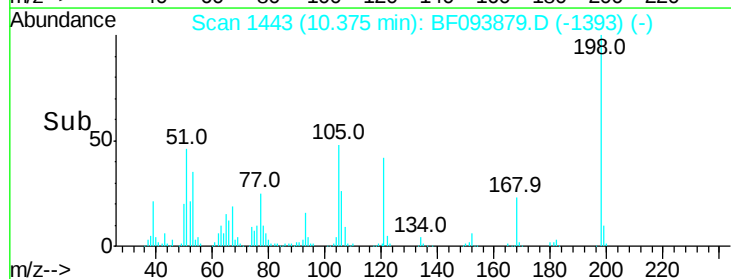
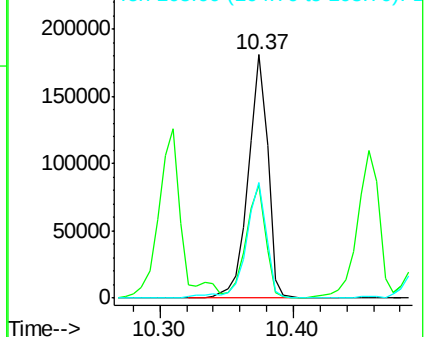
105 47.6 45.8 85.8

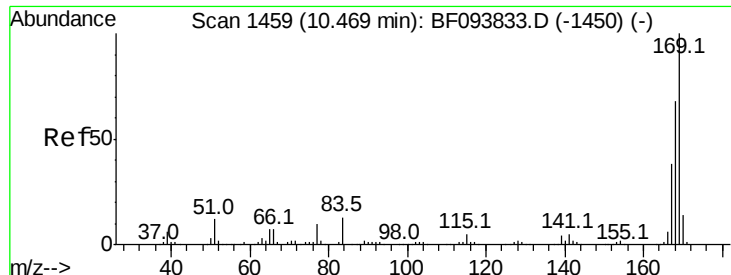


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

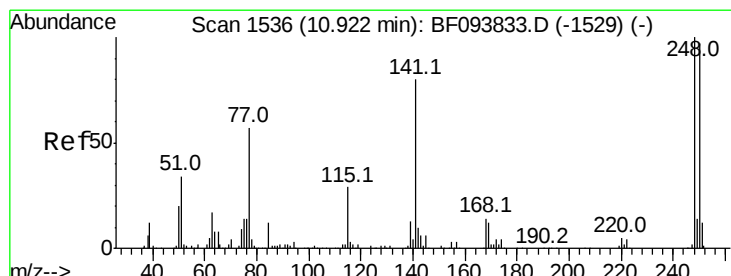
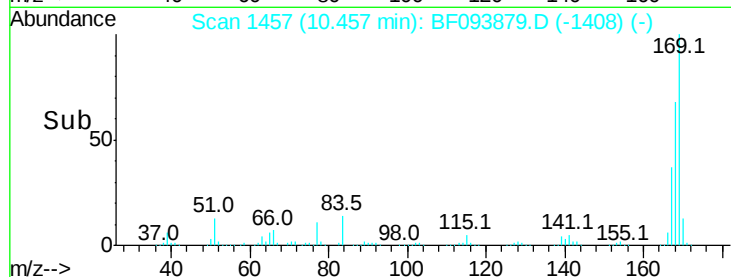
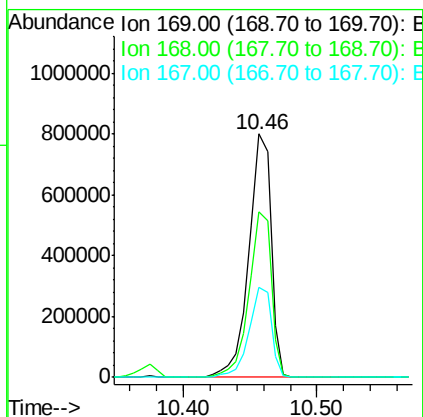
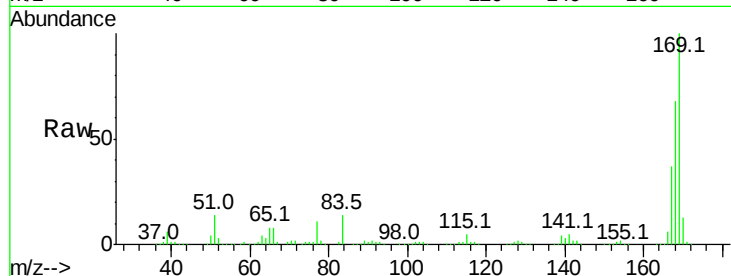




#65  
 n-Nitrosodiphenylamine  
 Concen: 44.92 ng  
 RT: 10.46 min Scan# 1457  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

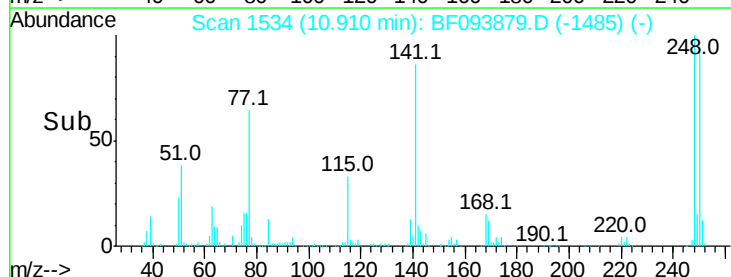
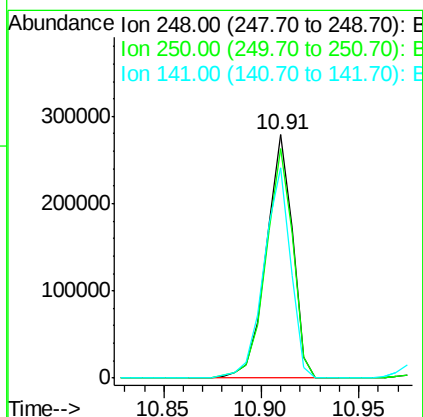
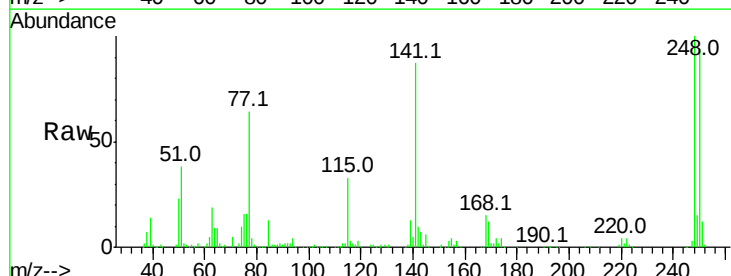
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

Tot Ion:169 Resp: 912788  
 Ion Ratio Lower Upper  
 169 100  
 168 68.1 53.2 79.8  
 167 36.9 29.5 44.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 45.32 ng  
 RT: 10.91 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:248 Resp: 261943  
 Ion Ratio Lower Upper  
 248 100  
 250 94.5 76.8 115.2  
 141 86.6 68.6 103.0

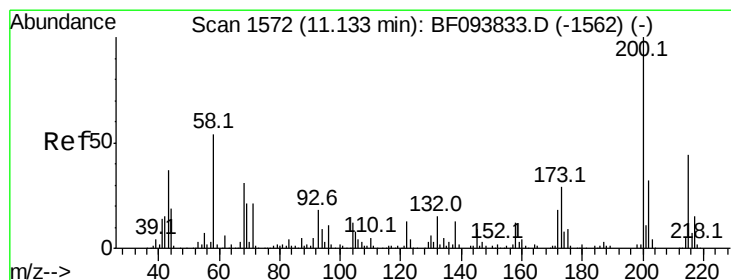
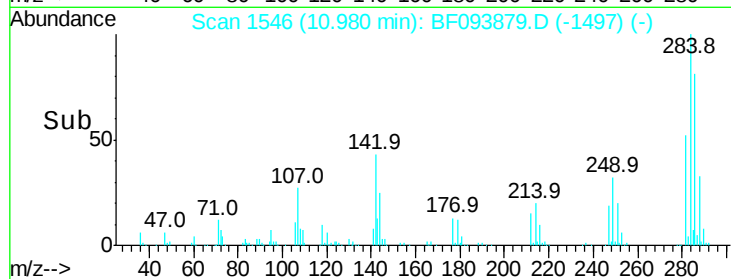
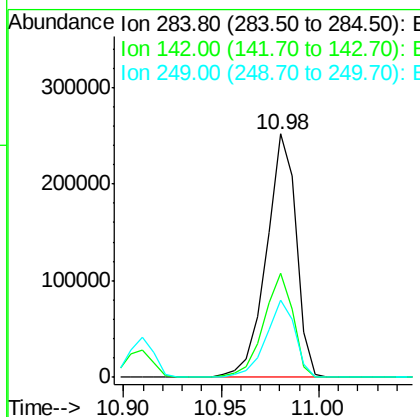
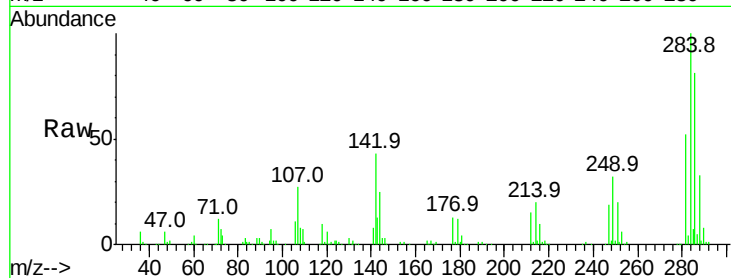




#67  
Hexachlorobenzene  
Concen: 45.36 ng  
RT: 10.98 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

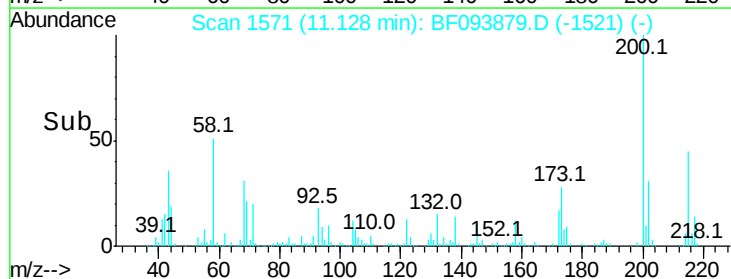
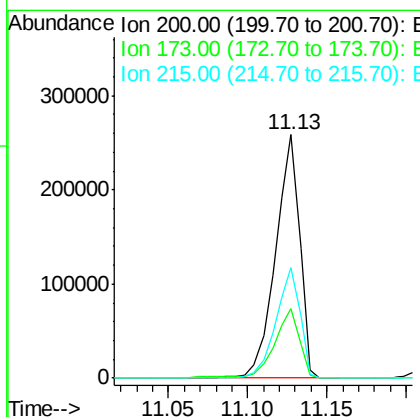
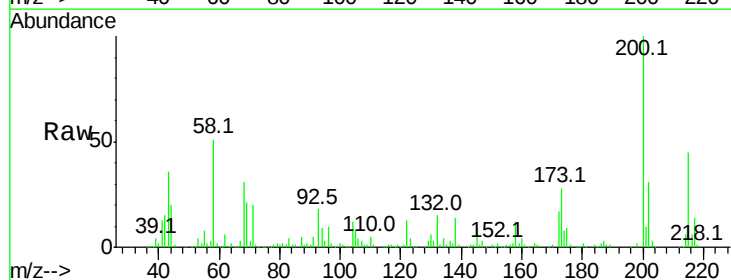
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion:284 Resp: 265361  
Ion Ratio Lower Upper  
284 100  
142 42.7 22.8 34.2#  
249 31.8 24.0 36.0



#68  
Atrazine  
Concen: 45.00 ng  
RT: 11.13 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion:200 Resp: 273895  
Ion Ratio Lower Upper  
200 100  
173 28.5 6.3 46.3  
215 45.3 27.2 67.2





#69

Pentachlorophenol

Concen: 88.51 ng

RT: 11.22 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

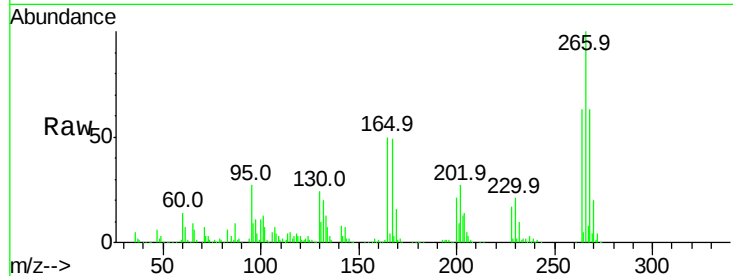
Tot Ion:266 Resp: 322317

Ion Ratio Lower Upper

266 100

268 63.5 51.1 76.7

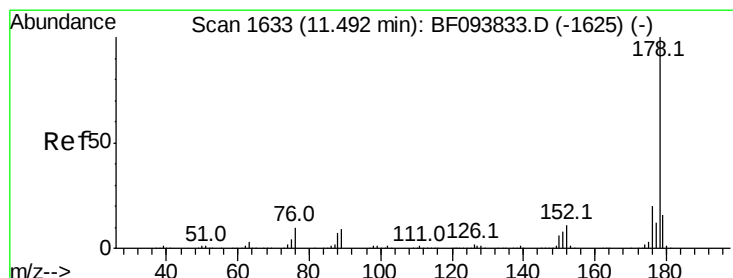
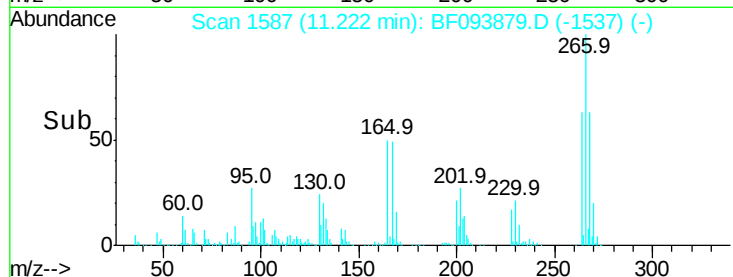
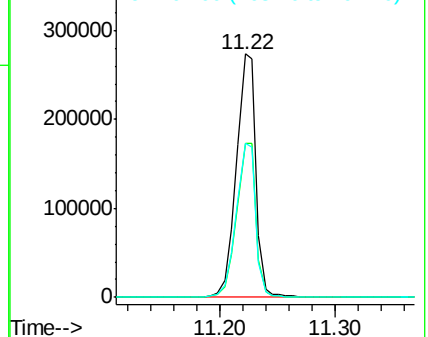
264 63.2 51.7 77.5



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 43.58 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

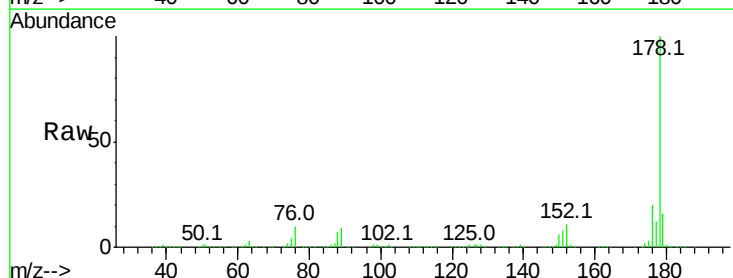
Tgt Ion:178 Resp: 1424610

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

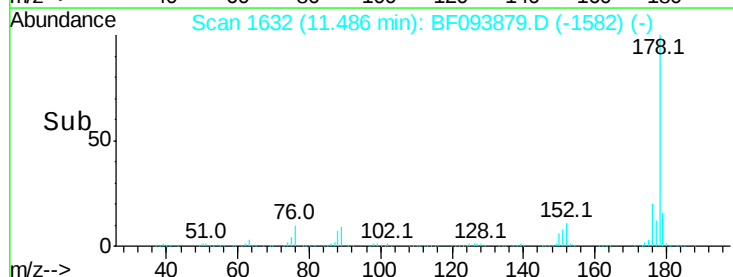
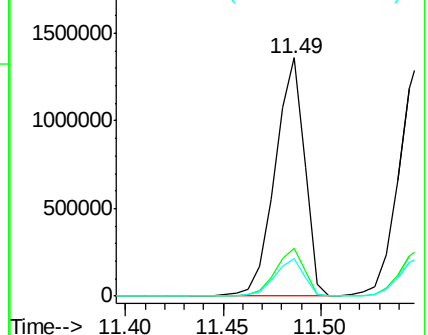
179 15.6 12.6 19.0

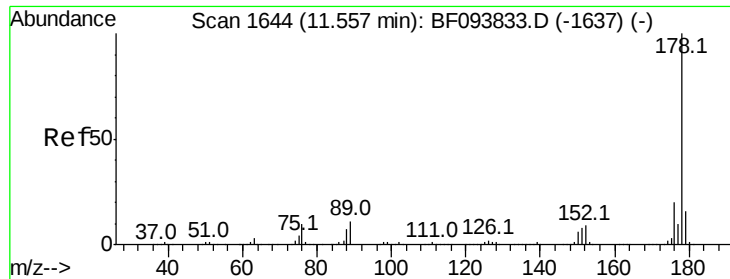


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

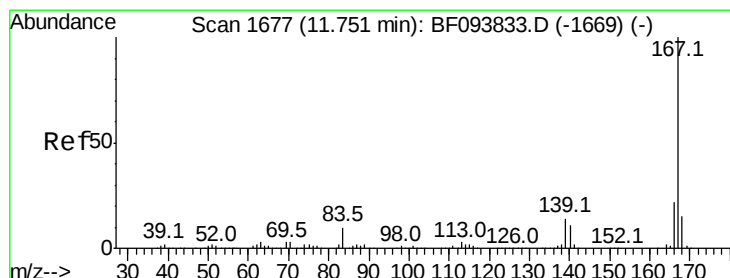
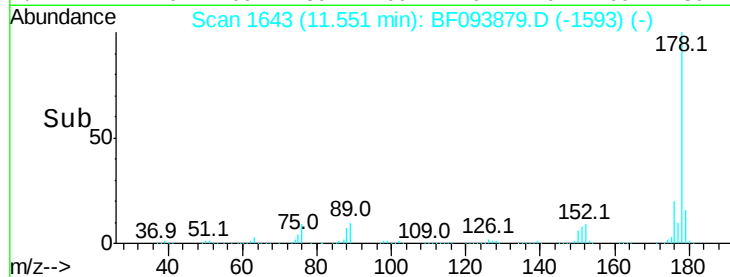
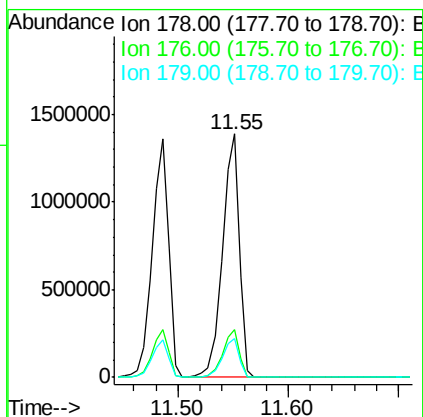
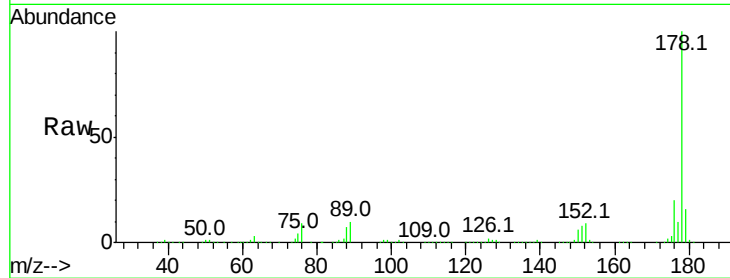




#71  
 Anthracene  
 Concen: 43.90 ng  
 RT: 11.55 min Scan# 1643  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

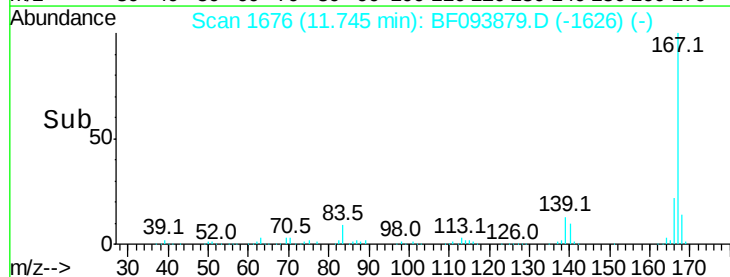
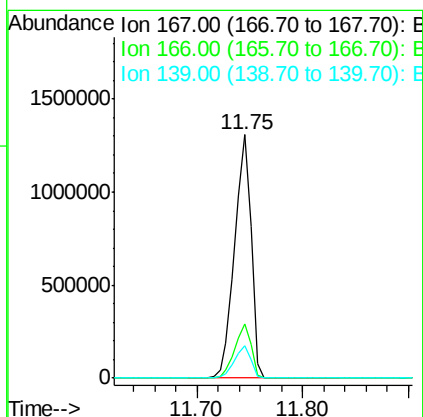
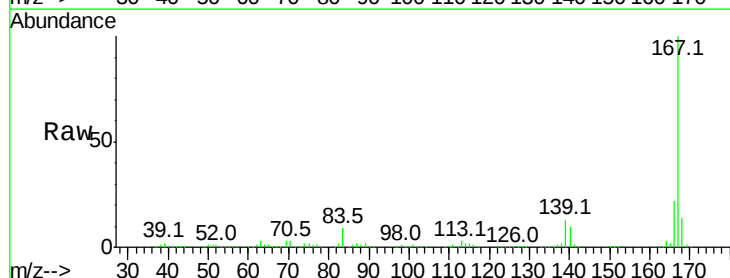
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

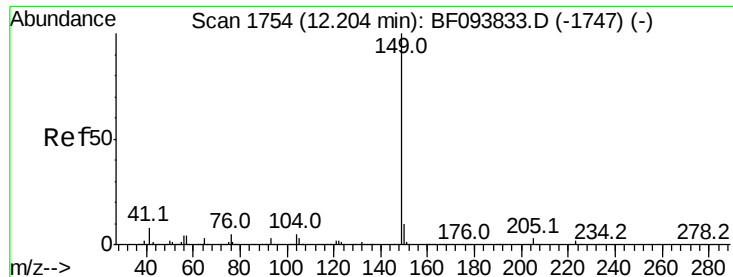
Tot Ion:178 Resp: 1477536  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.8 23.8  
 179 15.9 12.7 19.1



#72  
 Carbazole  
 Concen: 40.71 ng  
 RT: 11.75 min Scan# 1676  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:167 Resp: 1404923  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.1 27.1  
 139 13.2 11.7 17.5





#73

Di-n-butylphthalate

Concen: 45.93 ng

RT: 12.20 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

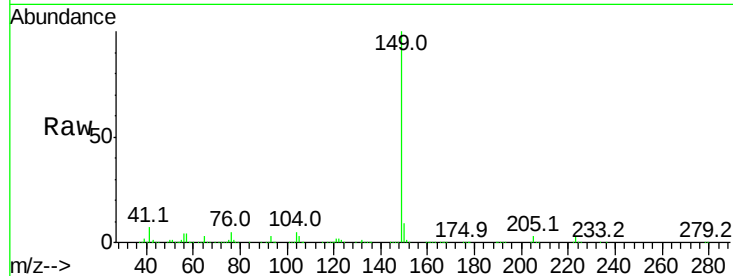
Tot Ion:149 Resp: 1648556

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

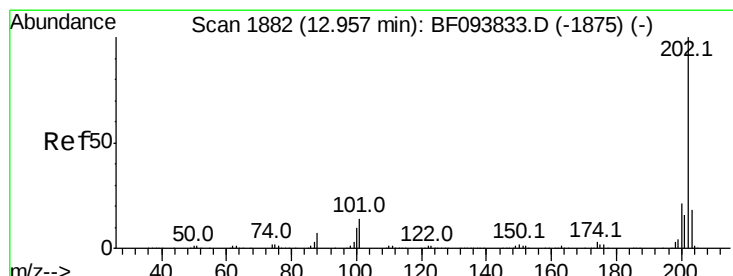
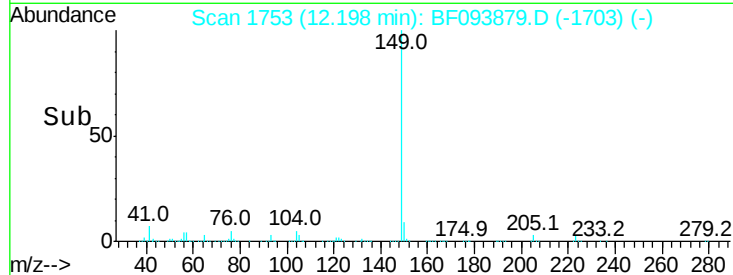
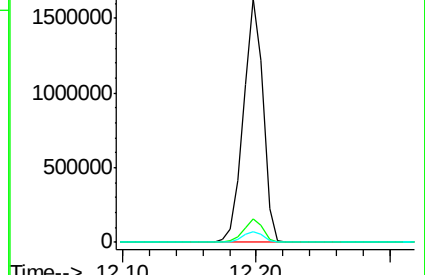
104 4.6 4.0 6.0



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: 44.16 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

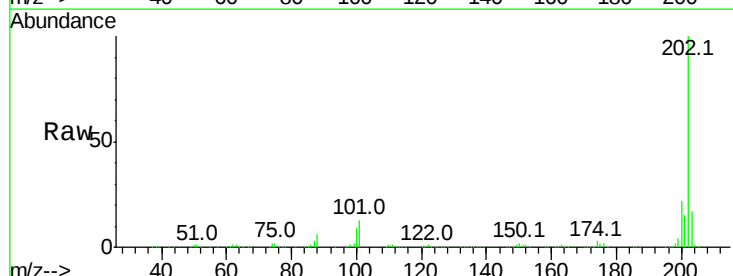
Tgt Ion:202 Resp: 1478064

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

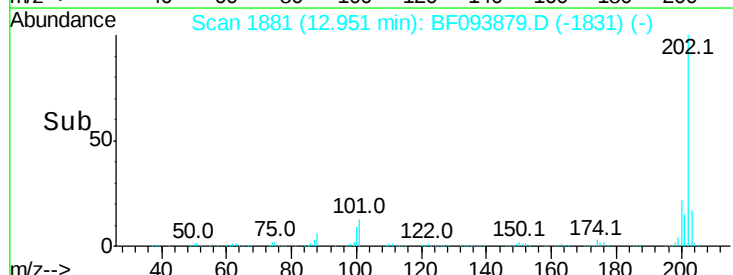
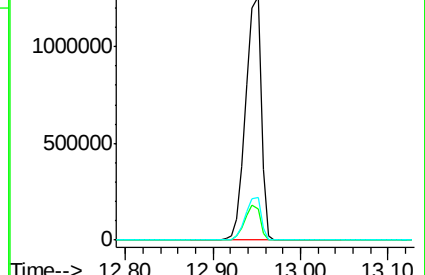
203 17.4 0.0 38.1

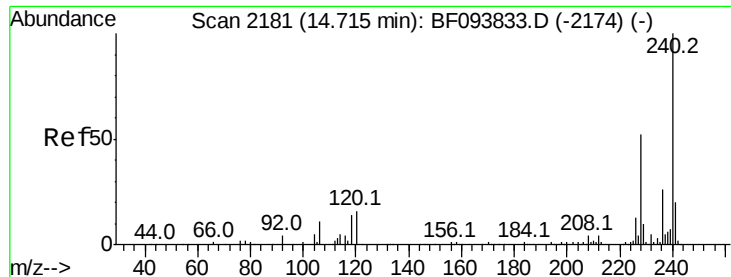


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

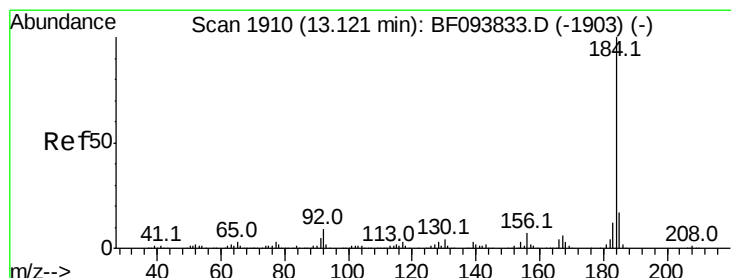
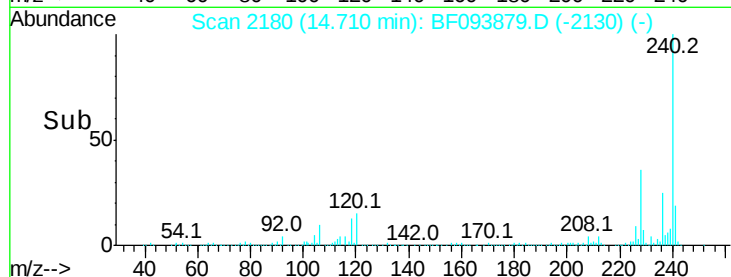
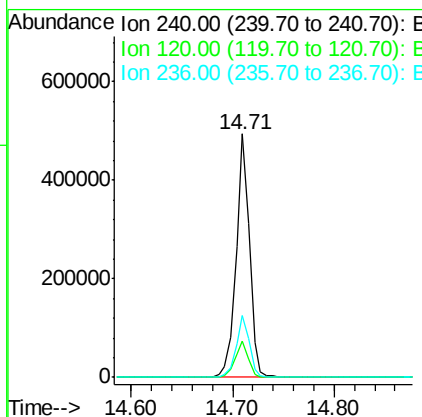
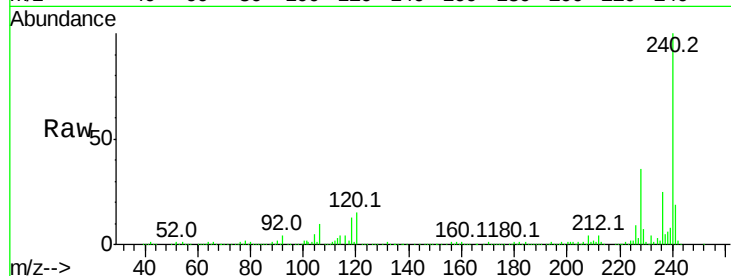




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.71 min Scan# 2180  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

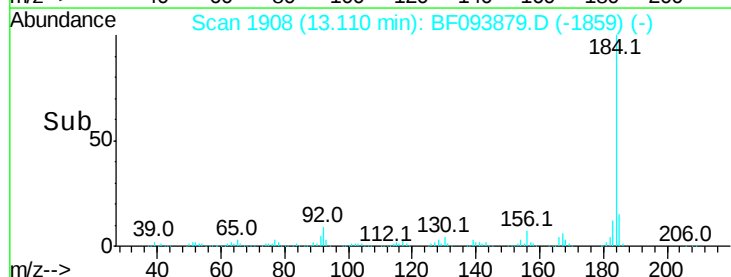
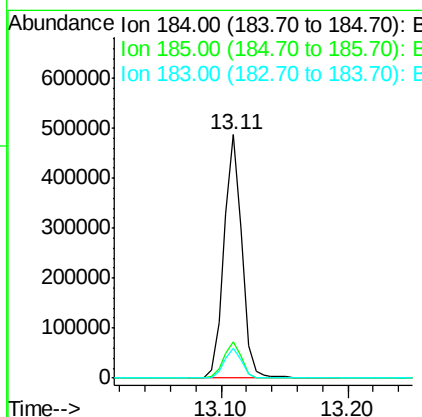
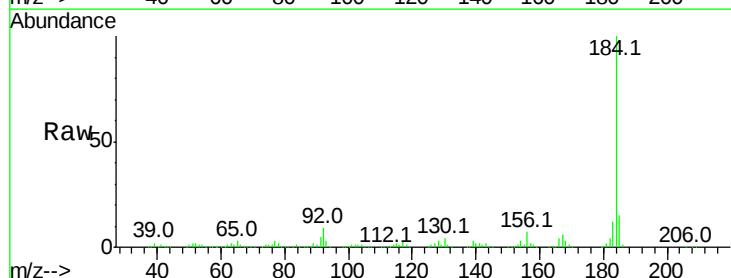
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion:240 Resp: 450934  
Ion Ratio Lower Upper  
240 100  
120 14.8 5.8 8.8#  
236 25.5 20.5 30.7



#76  
Benzidine  
Concen: 26.60 ng  
RT: 13.11 min Scan# 1908  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion:184 Resp: 474752  
Ion Ratio Lower Upper  
184 100  
185 15.0 15.5 23.3#  
183 12.4 9.8 14.6

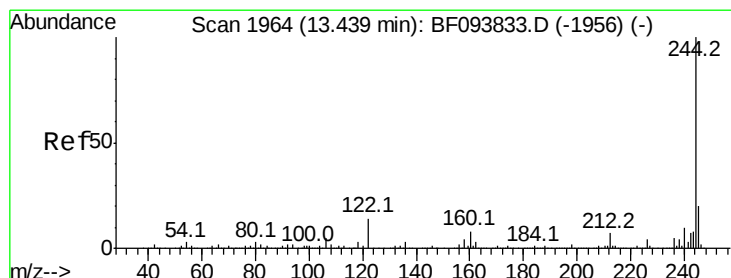
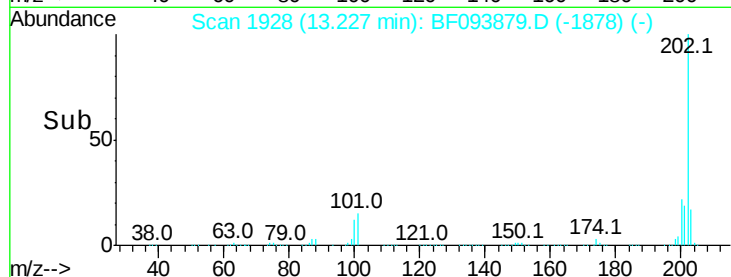
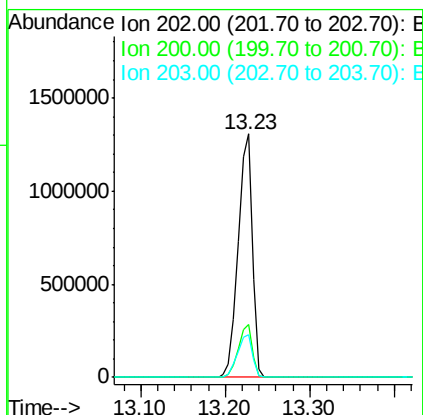
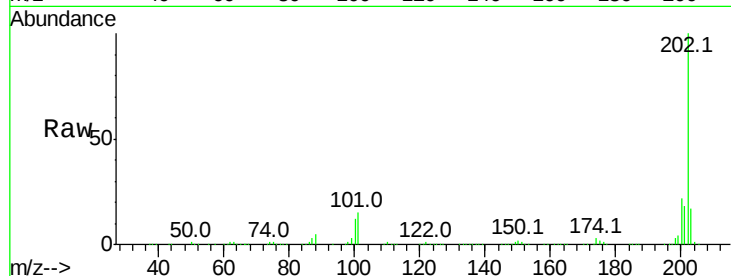




#77  
Pvrene  
Concen: 45.54 ng  
RT: 13.23 min Scan# 1928  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

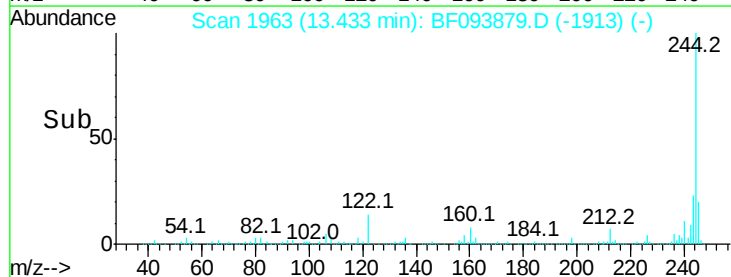
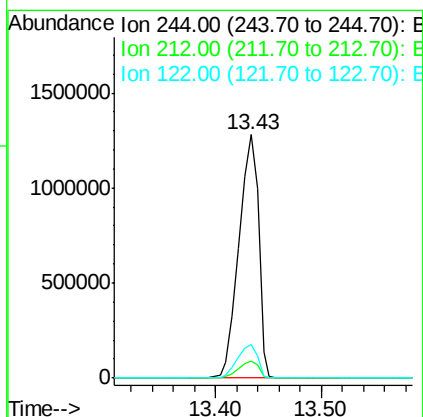
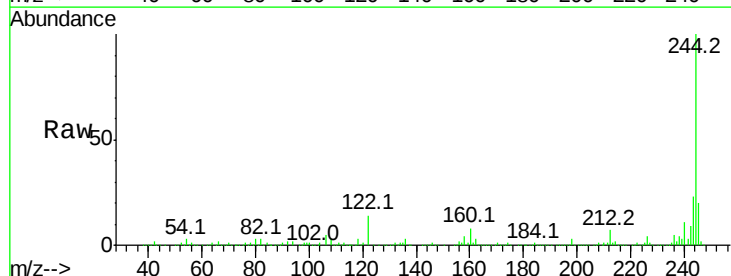
Instrument :  
BNA\_F  
ClientSampleId :  
PB97768BS

Tot Ion:202 Resp: 1490290  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.6 26.4  
203 17.3 14.4 21.6



#78  
Terphenyl-d14  
Concen: 81.00 ng  
RT: 13.43 min Scan# 1963  
Delta R.T. -0.01 min  
Lab File: BF093879.D  
Acq: 23 Mar 2017 15:23

Tgt Ion:244 Resp: 1629533  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.0 9.0  
122 13.6 10.3 15.5





#79

Butylbenzylphthalate

Concen: 50.47 ng

RT: 14.04 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

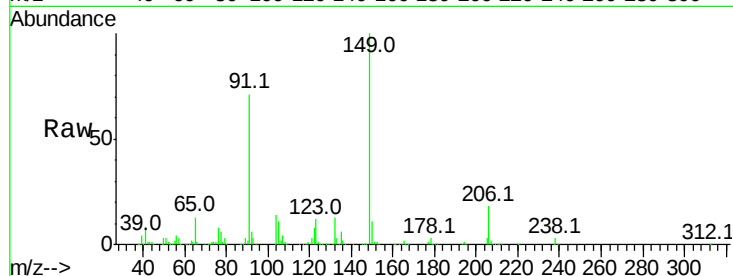
Tot Ion:149 Resp: 703681

Ion Ratio Lower Upper

149 100

91 71.3 45.0 67.4#

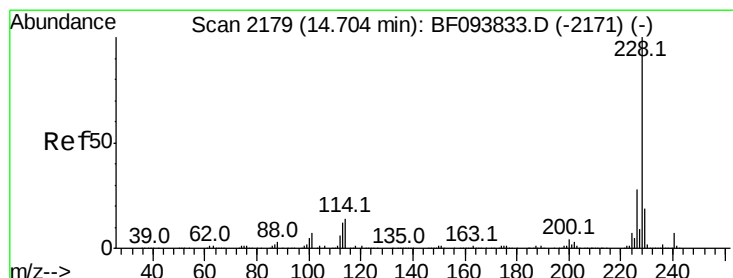
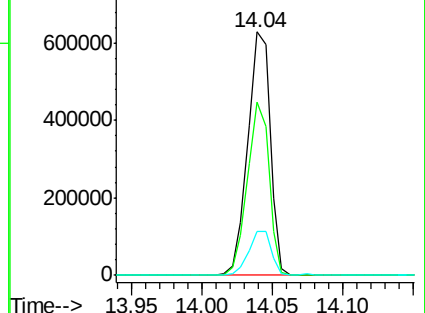
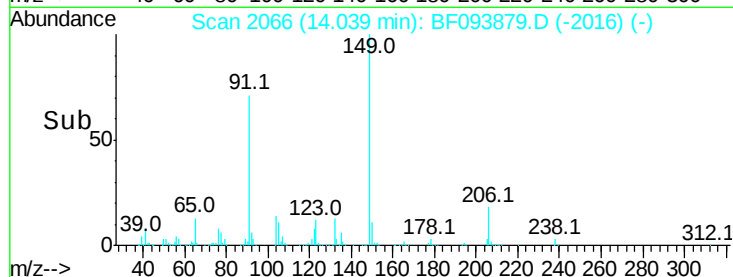
206 17.9 17.0 25.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.17 ng

RT: 14.70 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

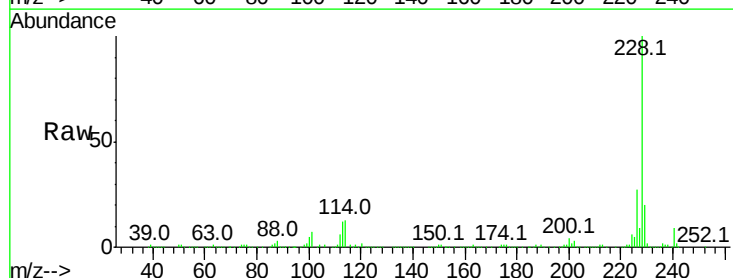
Tgt Ion:228 Resp: 1187743

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

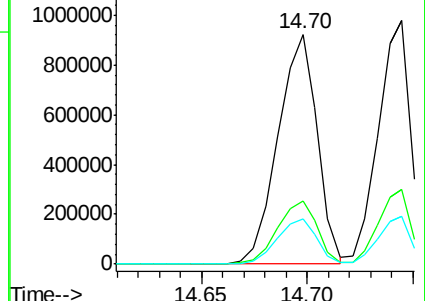
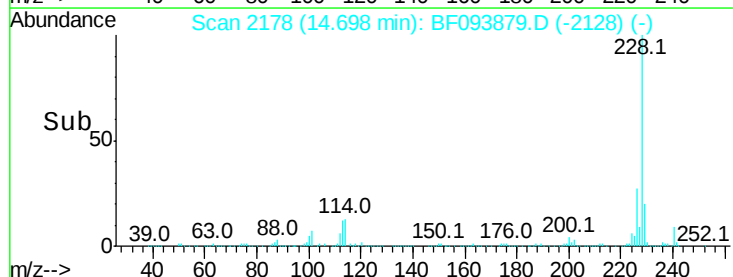
229 19.7 16.3 24.5

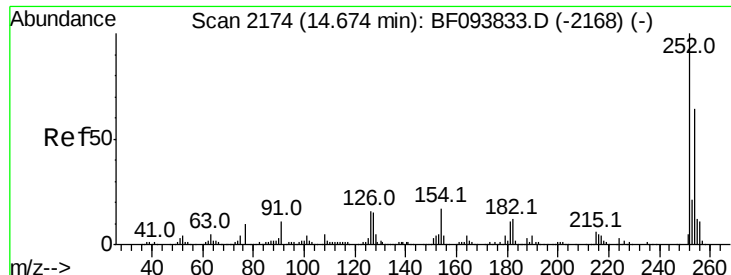


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 18.49 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

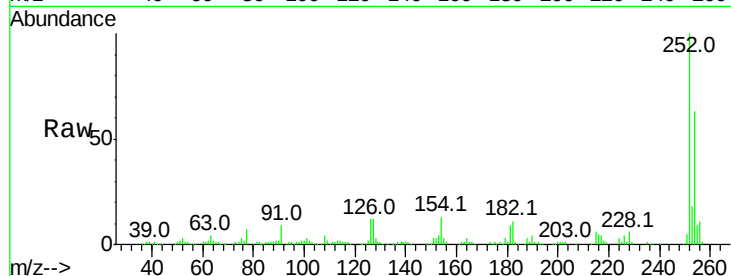
Tot Ion:252 Resp: 173812

Ion Ratio Lower Upper

252 100

254 63.5 51.5 77.3

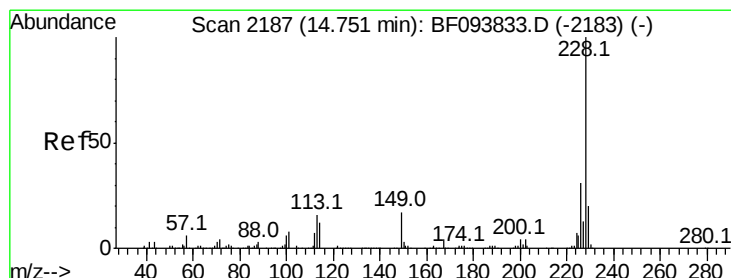
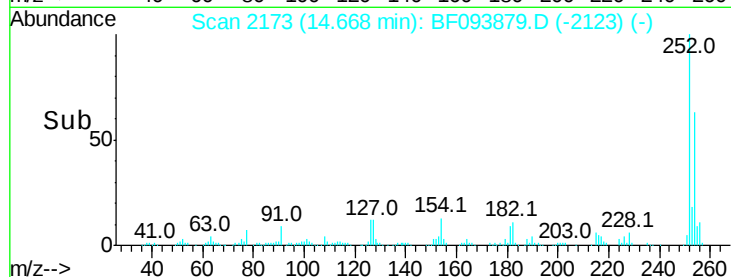
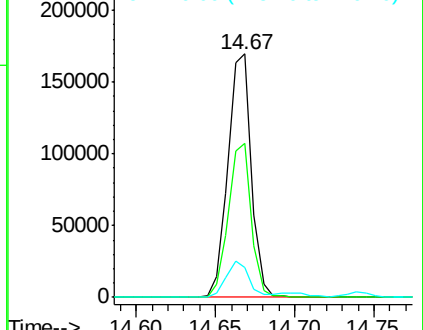
126 12.4 15.8 23.8#



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: 43.28 ng

RT: 14.74 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

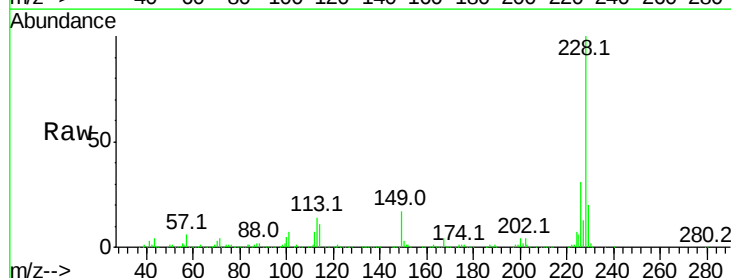
Tgt Ion:228 Resp: 1056094

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

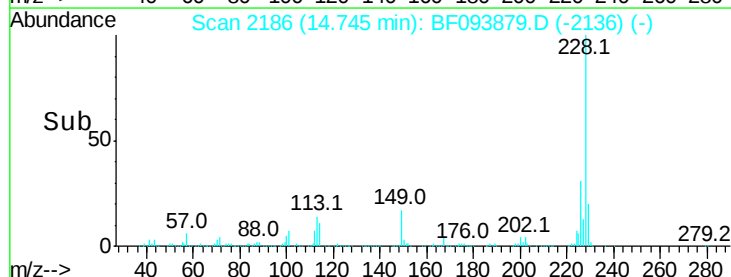
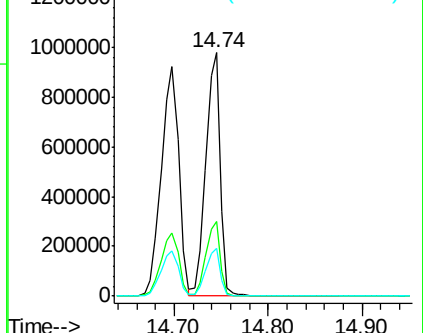
229 19.8 15.8 23.6



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

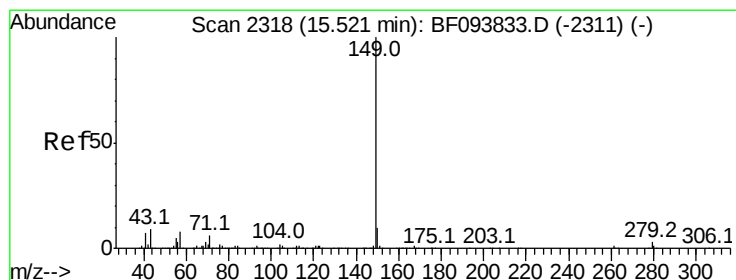
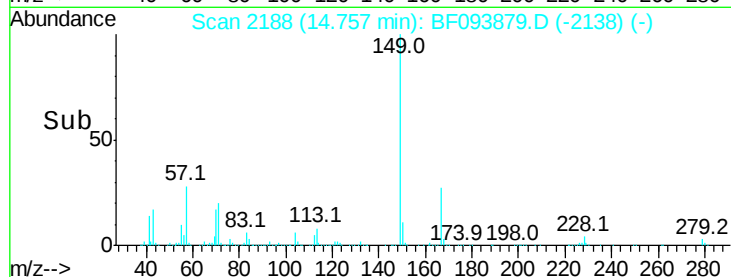
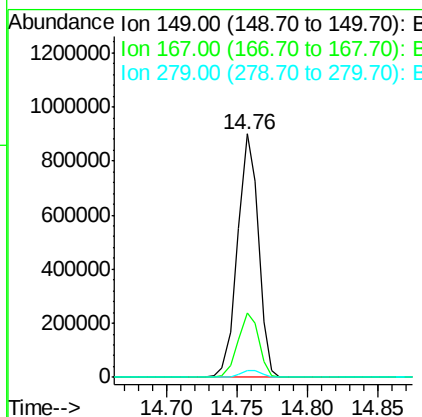
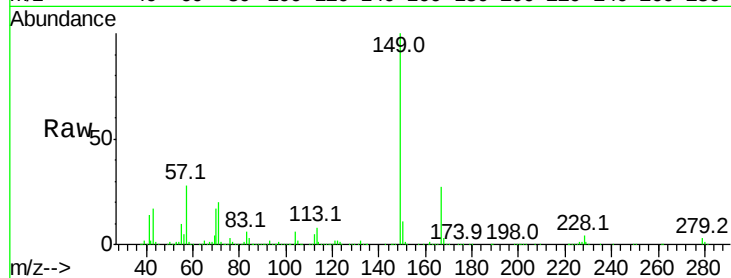




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.68 ng  
 RT: 14.76 min Scan# 2188  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

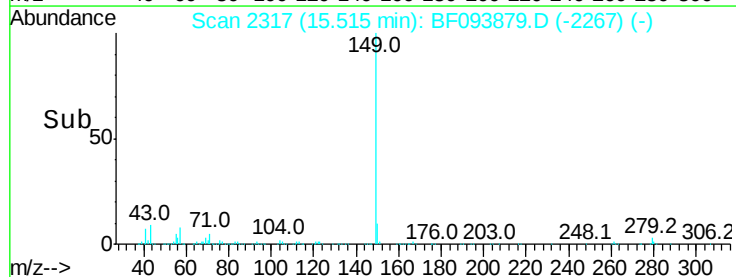
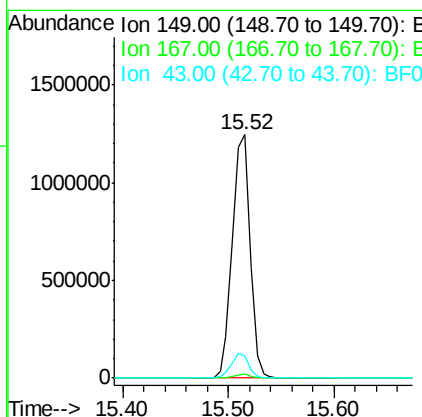
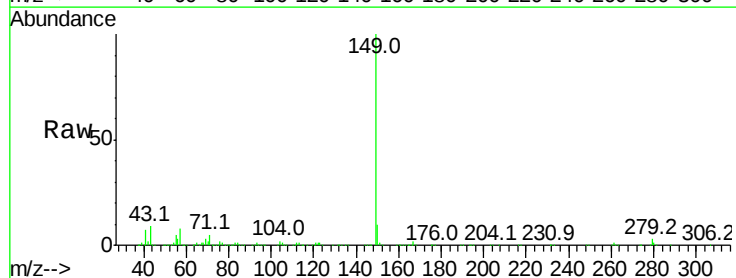
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

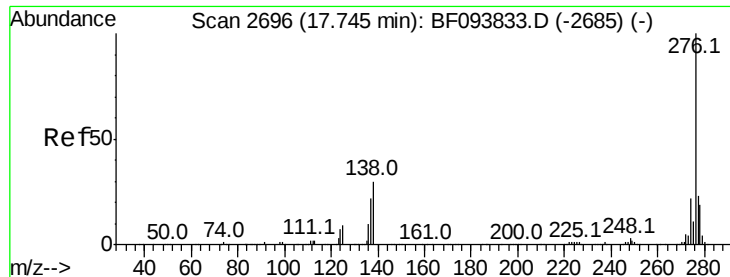
Tot Ion:149 Resp: 926050  
 Ion Ratio Lower Upper  
 149 100  
 167 26.6 21.0 31.4  
 279 2.9 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 45.31 ng  
 RT: 15.52 min Scan# 2317  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:149 Resp: 1440014  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 9.9 8.5 12.7

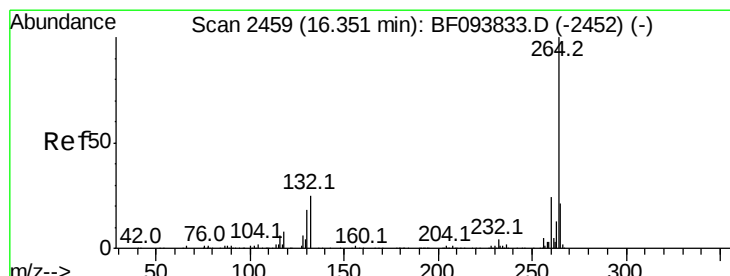
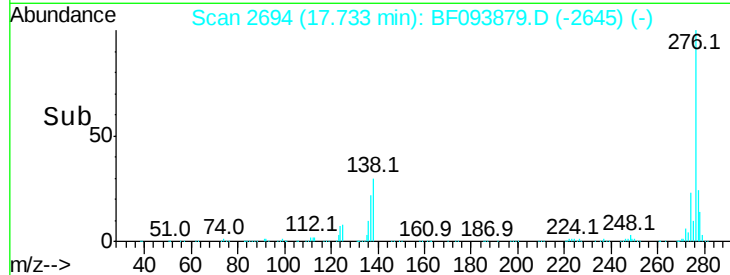
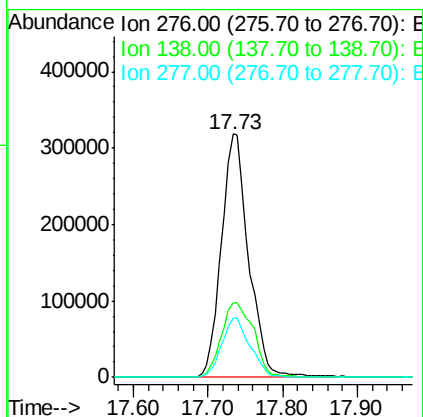
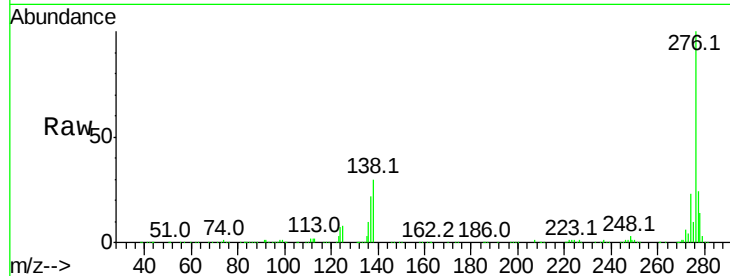




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.49 ng  
 RT: 17.73 min Scan# 2694  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

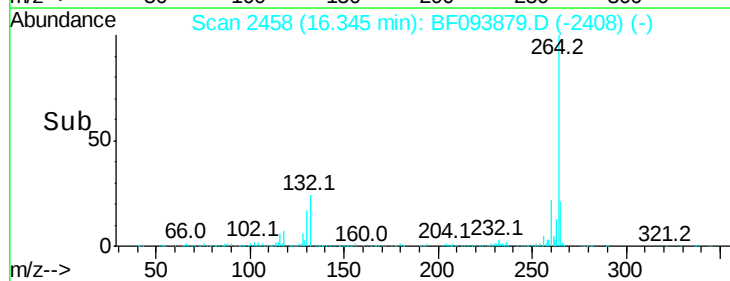
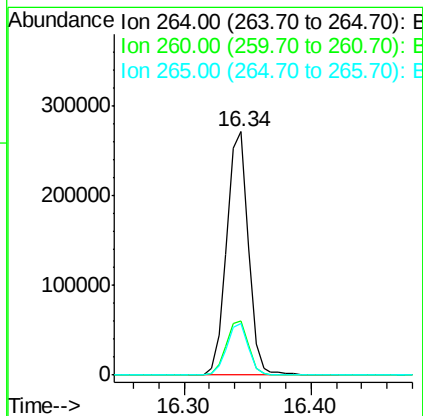
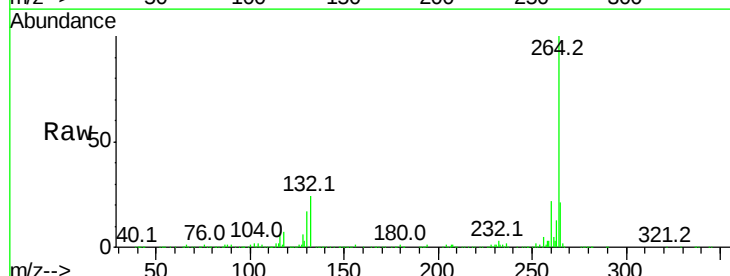
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97768BS

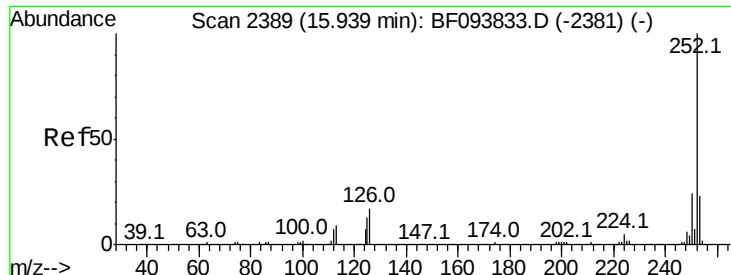
Tot Ion:276 Resp: 813373  
 Ion Ratio Lower Upper  
 276 100  
 138 35.9 27.8 41.6  
 277 25.4 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.34 min Scan# 2458  
 Delta R.T. -0.01 min  
 Lab File: BF093879.D  
 Acq: 23 Mar 2017 15:23

Tgt Ion:264 Resp: 322097  
 Ion Ratio Lower Upper  
 264 100  
 260 22.3 19.5 29.3  
 265 21.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 47.17 ng

RT: 15.93 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

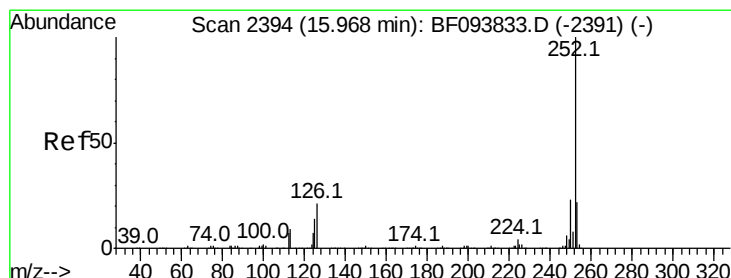
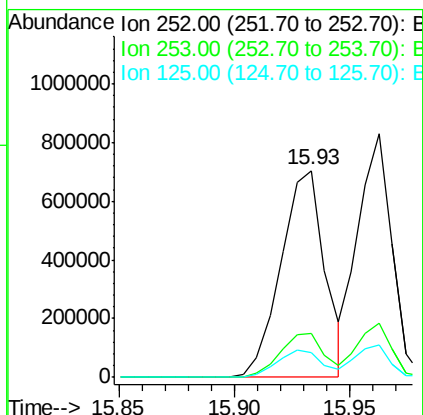
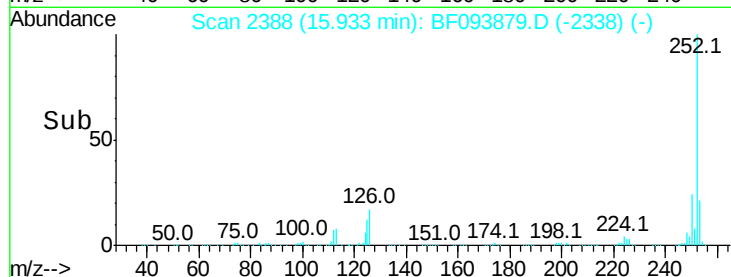
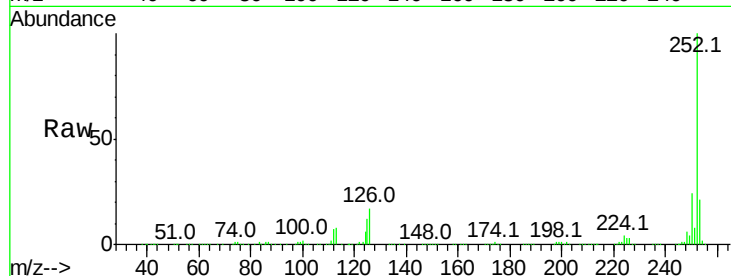
Tot Ion:252 Resp: 931345

Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

125 12.2 9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 44.61 ng

RT: 15.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

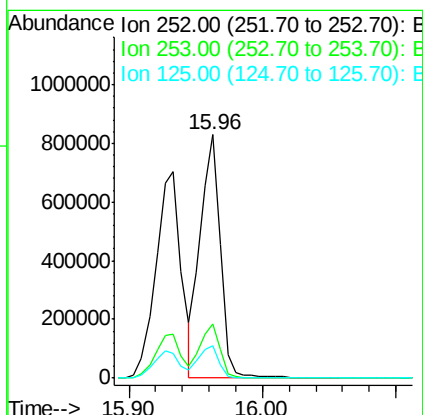
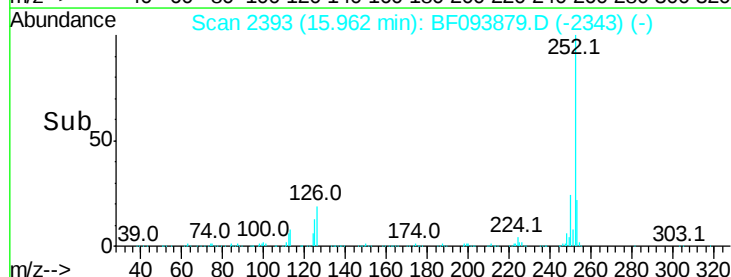
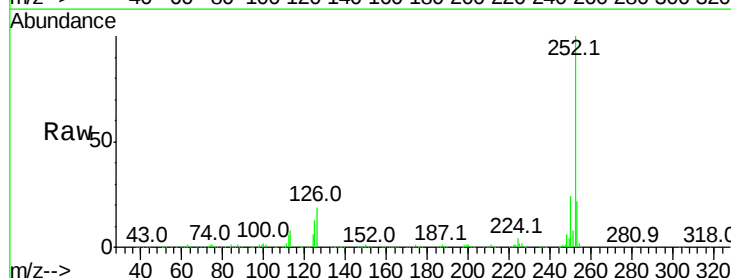
Tgt Ion:252 Resp: 861778

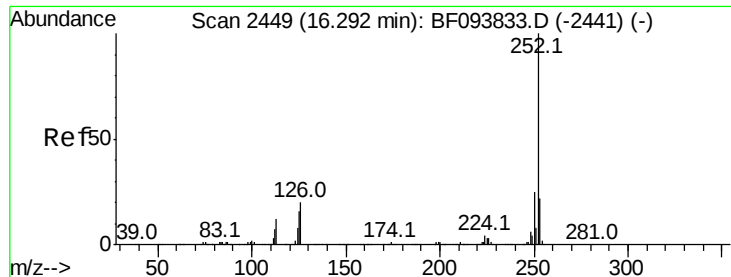
Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

125 13.2 13.1 19.7





#89

Benzo(a)pyrene

Concen: 45.90 ng

RT: 16.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

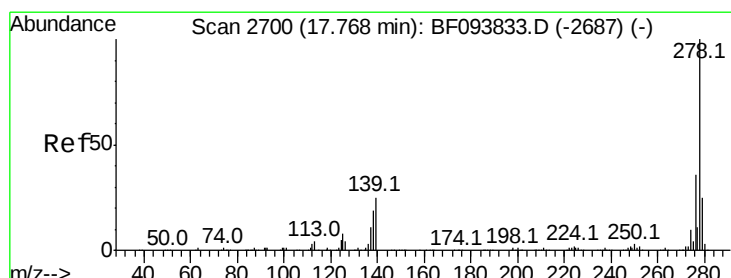
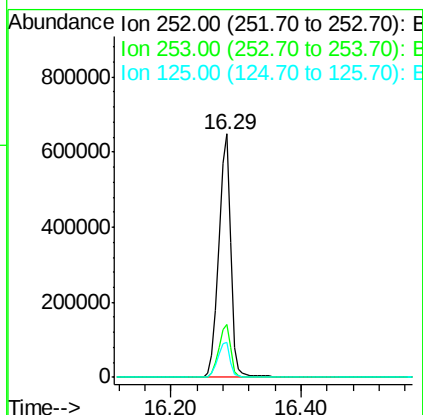
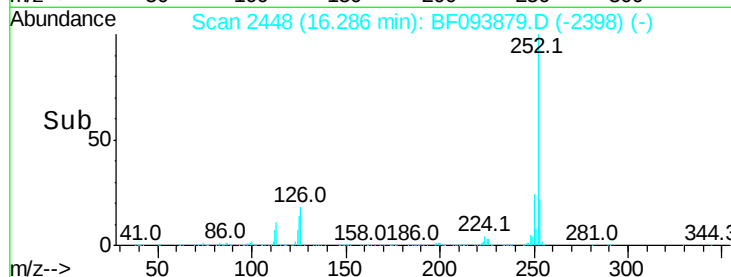
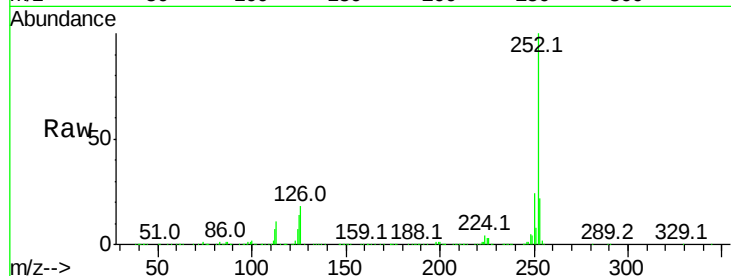
Tot Ion:252 Resp: 834583

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 14.2 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 43.96 ng

RT: 17.76 min Scan# 2698

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

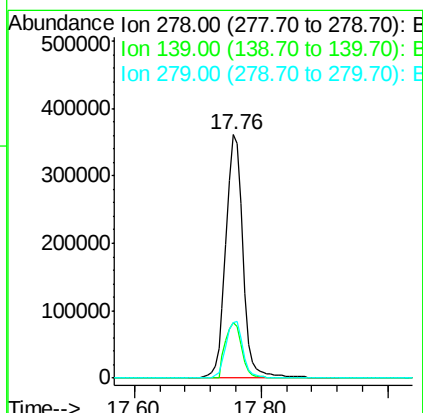
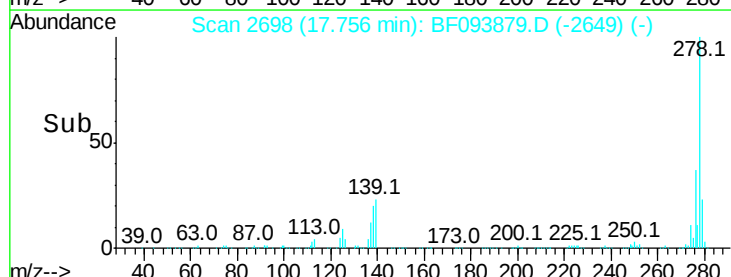
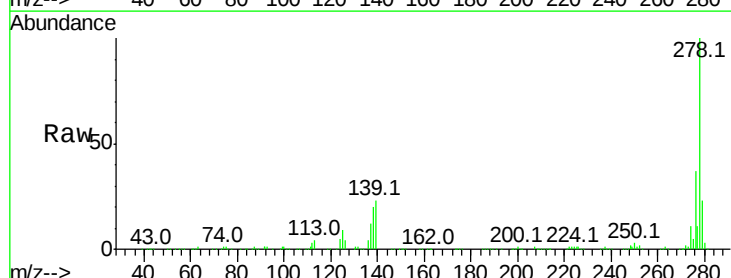
Tgt Ion:278 Resp: 676845

Ion Ratio Lower Upper

278 100

139 22.7 16.6 24.8

279 23.0 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 44.95 ng

RT: 18.15 min Scan# 2765

Delta R.T. -0.01 min

Lab File: BF093879.D

Acq: 23 Mar 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

PB97768BS

Tot Ion:276 Resp: 697519

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 31.3 25.4 38.0

