

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\  
 Data File : BF094446.D  
 Acq On : 17 Apr 2017 13:39  
 Operator : SJ/MA  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 17 14:02:42 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 13:38:44 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.76  | 152  | 148740   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.26  | 136  | 589566   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.40  | 164  | 267509   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 468922   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.47 | 240  | 377967   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.09 | 264  | 322763   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 4.31  | 112 | 1015825 | 115.35 | ng | 0.00 |
| 7) Phenol-d6             | 5.40  | 99  | 1189208 | 109.16 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 6.42  | 82  | 1134196 | 109.79 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.38 | 330 | 242272  | 114.61 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 8.59  | 172 | 1952555 | 111.33 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.20 | 244 | 1593124 | 94.48  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.08 | 88  | 306418  | 72.43 | ng | 96     |
| 3) Pyridine                    | 2.59 | 79  | 705382  | 61.17 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.56 | 42  | 287155  | 60.52 | ng | 88     |
| 6) Aniline                     | 5.39 | 93  | 794285  | 52.41 | ng | # 87   |
| 8) 2-Chlorophenol              | 5.53 | 128 | 582361  | 60.16 | ng | 100    |
| 9) Benzaldehyde                | 5.26 | 77  | 454306  | 61.76 | ng | 97     |
| 10) Phenol                     | 5.41 | 94  | 736861  | 59.44 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 5.48 | 93  | 551599  | 56.93 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 5.70 | 146 | 652510  | 60.10 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 5.79 | 146 | 649470  | 59.06 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 5.96 | 146 | 574799  | 56.76 | ng | 95     |
| 15) Benzyl Alcohol             | 5.95 | 79  | 435273  | 54.59 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.10 | 45  | 701918  | 47.02 | ng | # 37   |
| 17) 2-Methylphenol             | 6.09 | 107 | 462169  | 55.75 | ng | # 91   |
| 18) Hexachloroethane           | 6.35 | 117 | 229523  | 59.38 | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 6.26 | 70  | 404686  | 57.80 | ng | 97     |
| 20) 3+4-Methylphenols          | 6.27 | 107 | 625110  | 62.26 | ng | # 63   |
| 22) Acetophenone               | 6.25 | 105 | 843355  | 64.18 | ng | # 86   |
| 24) Nitrobenzene               | 6.45 | 77  | 590580  | 57.96 | ng | 94     |
| 25) Isophorone                 | 6.73 | 82  | 1061722 | 58.49 | ng | 95     |
| 26) 2-Nitrophenol              | 6.82 | 139 | 330332  | 67.98 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 6.90 | 122 | 515582  | 61.58 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 6.99 | 93  | 675138  | 56.40 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.12 | 162 | 478167  | 61.08 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.20 | 180 | 489082  | 60.66 | ng | 98     |
| 31) Naphthalene                | 7.29 | 128 | 1611779 | 56.86 | ng | 99     |
| 32) Benzoic acid               | 7.10 | 122 | 303466  | 54.45 | ng | 94     |
| 33) 4-Chloroaniline            | 7.37 | 127 | 685262  | 59.64 | ng | # 94   |
| 34) Hexachlorobutadiene        | 7.45 | 225 | 242992  | 58.77 | ng | 99     |
| 35) Caprolactam                | 7.84 | 113 | 129336  | 51.81 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.00 | 107 | 505928  | 61.85 | ng | 89     |
| 37) 2-Methylnaphthalene        | 8.13 | 142 | 1106016 | 58.53 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.34 | 216 | 429548  | 58.70 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 8.33 | 237 | 201233  | 58.76 | ng | 99     |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

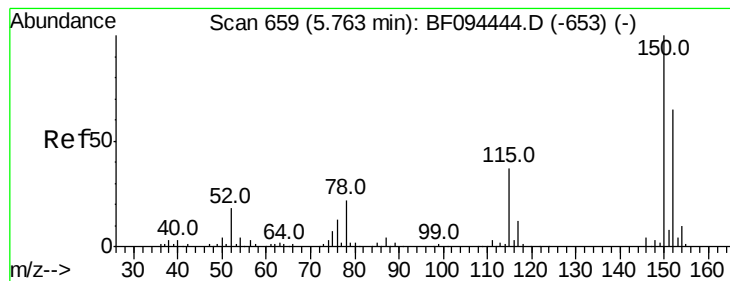
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 17 14:02:42 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 13:38:44 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.49  | 196  | 316624   | 61.15 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 8.55  | 196  | 319423   | 57.02 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 8.71  | 154  | 1199785  | 55.60 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 8.73  | 162  | 966109   | 57.20 | nq    | # 93     |
| 47) 2-Nitroaniline             | 8.86  | 65   | 298871   | 59.65 | nq    | # 84     |
| 48) Acenaphthylene             | 9.23  | 152  | 1498322  | 53.38 | nq    | 99       |
| 49) Dimethylphthalate          | 9.11  | 163  | 1152323  | 60.60 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.17  | 165  | 265246   | 60.85 | nq    | # 87     |
| 51) Acenaphthene               | 9.45  | 154  | 904656   | 55.23 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.37  | 138  | 304354   | 59.46 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 9.50  | 184  | 142112   | 68.41 | nq    | # 73     |
| 54) Dibenzofuran               | 9.66  | 168  | 1286208  | 57.68 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.63  | 139  | 230556   | 57.52 | nq    | # 73     |
| 56) 2,4-Dinitrotoluene         | 9.67  | 165  | 316593   | 57.82 | nq    | 95       |
| 57) Fluorene                   | 10.08 | 166  | 979071   | 52.95 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.82  | 232  | 233693   | 60.79 | nq    | 98       |
| 59) Diethylphthalate           | 9.97  | 149  | 1076627  | 57.28 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.09 | 204  | 417571   | 53.01 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.13 | 138  | 313784   | 63.88 | nq    | 97       |
| 62) Azobenzene                 | 10.28 | 77   | 1055116  | 59.35 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.17 | 198  | 190832   | 66.45 | nq    | # 64     |
| 65) n-Nitrosodiphenylamine     | 10.24 | 169  | 923845   | 56.97 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 268916   | 58.31 | nq    | 96       |
| 67) Hexachlorobenzene          | 10.76 | 284  | 270073   | 57.85 | nq    | # 89     |
| 68) Atrazine                   | 10.92 | 200  | 281808   | 58.02 | nq    | 96       |
| 69) Pentachlorophenol          | 11.00 | 266  | 122918   | 42.30 | nq    | 99       |
| 70) Phenanthrene               | 11.26 | 178  | 1458087  | 55.90 | nq    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 1521679  | 56.66 | nq    | 99       |
| 72) Carbazole                  | 11.53 | 167  | 1428834  | 51.88 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.97 | 149  | 1617574  | 56.48 | nq    | 99       |
| 74) Fluoranthene               | 12.72 | 202  | 1522326  | 56.99 | nq    | 99       |
| 76) Benzidine                  | 12.89 | 184  | 914298   | 61.12 | nq    | 98       |
| 77) Pyrene                     | 12.99 | 202  | 1556560  | 56.75 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.81 | 149  | 709672   | 60.72 | nq    | # 87     |
| 80) Benzo(a)anthracene         | 14.46 | 228  | 1283783  | 58.25 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.44 | 252  | 442781   | 56.20 | nq    | # 95     |
| 82) Chrysene                   | 14.51 | 228  | 1150159  | 56.23 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.52 | 149  | 930770   | 58.37 | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 15.28 | 149  | 1567065  | 58.83 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.37 | 276  | 1043282  | 58.90 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.69 | 252  | 1124409  | 56.83 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.69 | 252  | 1124409  | 58.09 | nq    | 96       |
| 89) Benzo(a)pyrene             | 16.04 | 252  | 1045120  | 57.36 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.39 | 278  | 854734   | 55.40 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.74 | 276  | 874044   | 56.21 | nq    | 98       |

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



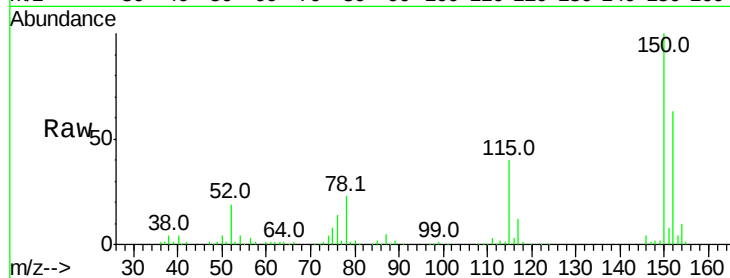


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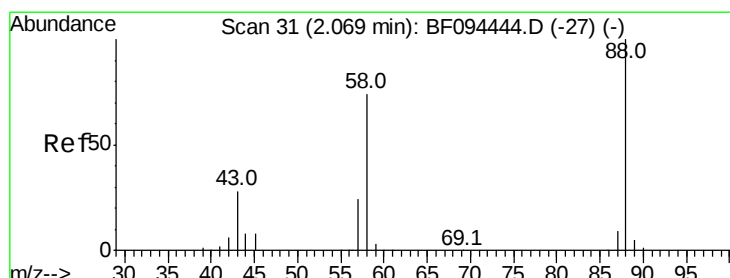
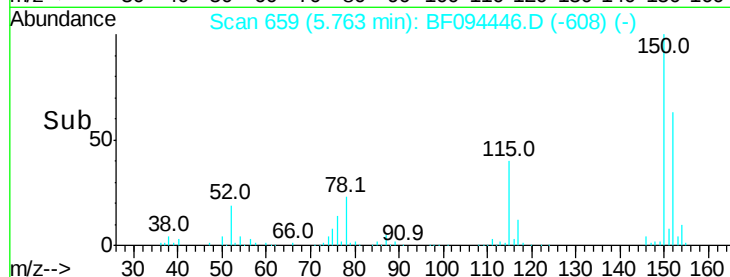
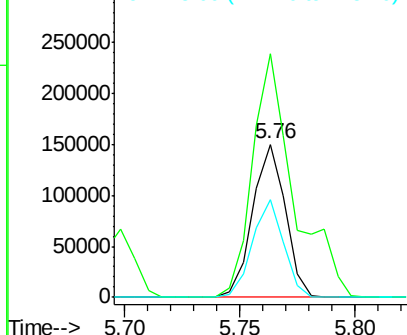
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.76 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 148740  
Ion Ratio Lower Upper  
152 100  
150 159.0 126.2 189.2  
115 63.8 52.2 78.2



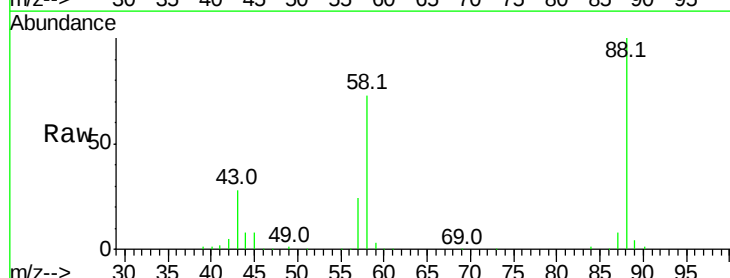
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



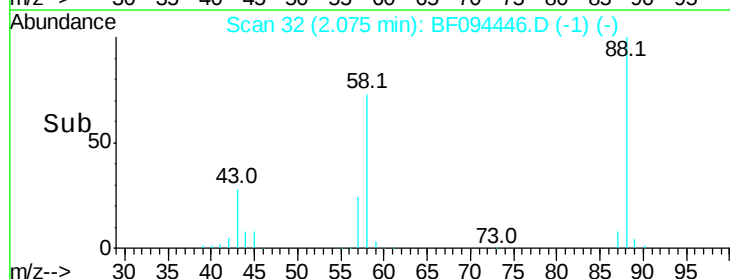
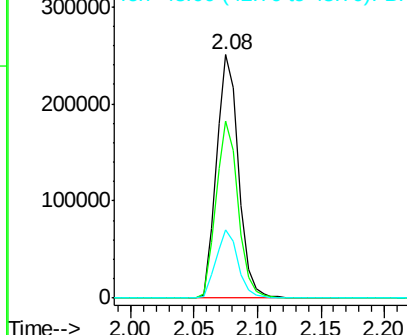
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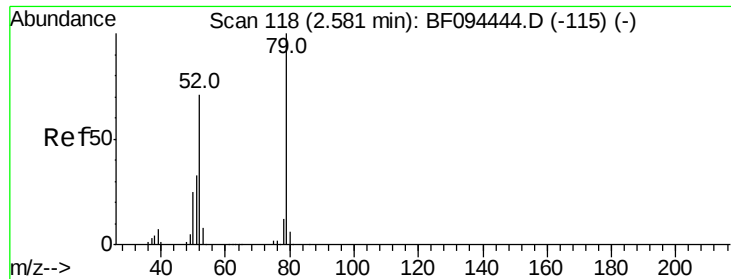
1,4-Dioxane  
Concen: 72.43 ng  
RT: 2.08 min Scan# 32  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion: 88 Resp: 306418  
Ion Ratio Lower Upper  
88 100  
58 72.5 61.4 92.0  
43 28.0 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

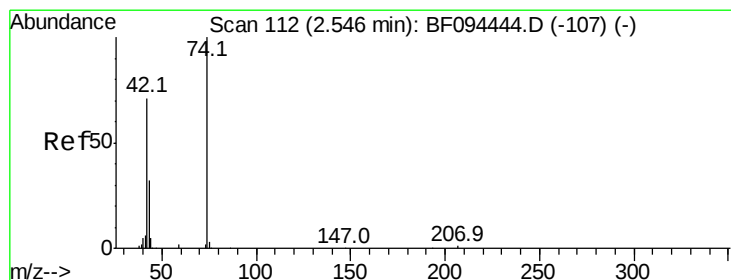
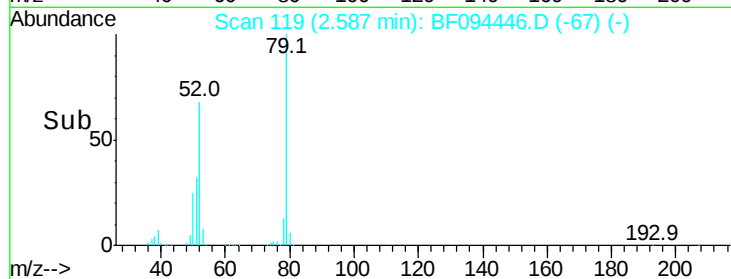
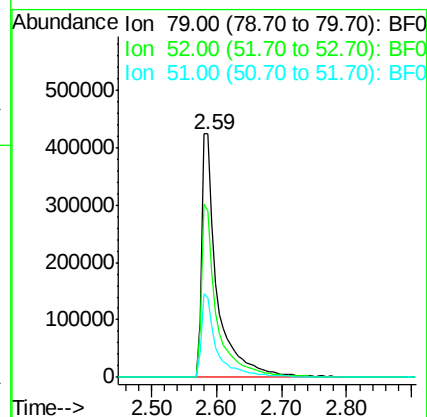
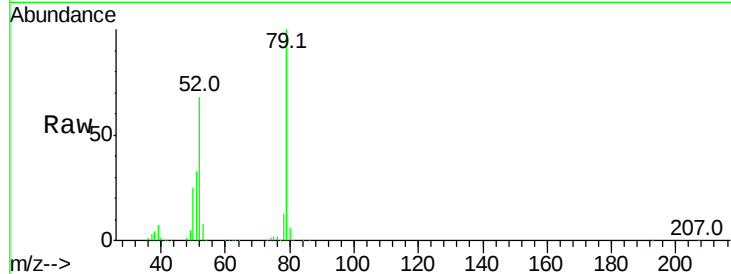




#3  
 Pvridine  
 Concen: 61.17 ng  
 RT: 2.59 min Scan# 119  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

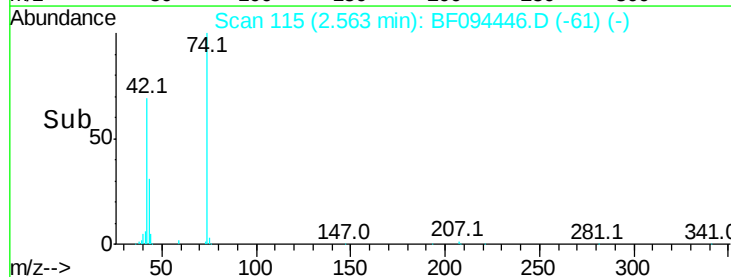
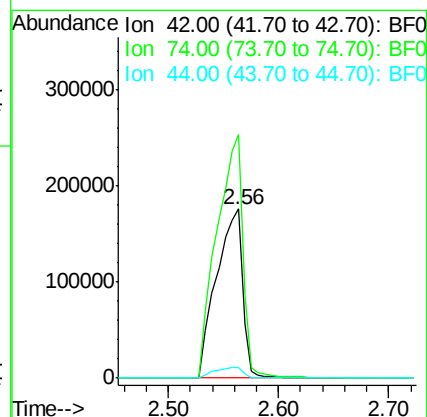
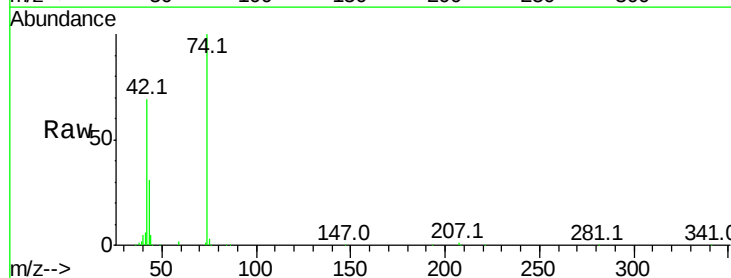
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 79 Resp: 705382  
 Ion Ratio Lower Upper  
 79 100  
 52 68.4 54.8 82.2  
 51 32.5 27.0 40.4



#4  
 n-Nitrosodimethylamine  
 Concen: 60.52 ng  
 RT: 2.56 min Scan# 115  
 Delta R.T. 0.02 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion: 42 Resp: 287155  
 Ion Ratio Lower Upper  
 42 100  
 74 144.1 103.9 155.9  
 44 6.6 5.7 8.5





#5

2-Fluorophenol

Concen: 115.35 ng

RT: 4.31 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :  
BNA\_F  
ClientSampleId :

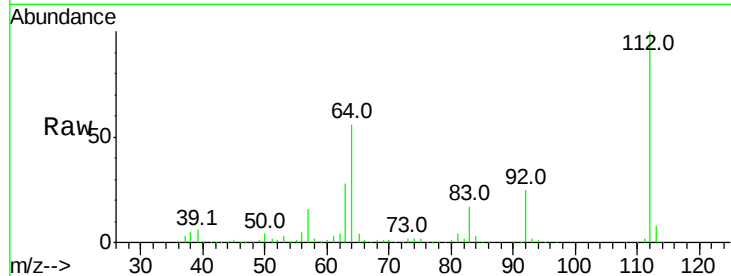
Tot Ion:112 Resp: 1015825

Ion Ratio Lower Upper

112 100

64 56.0 46.0 69.0

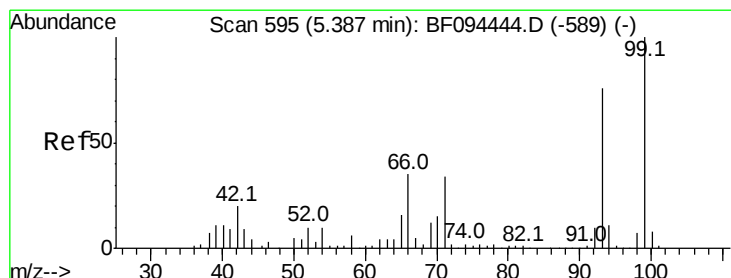
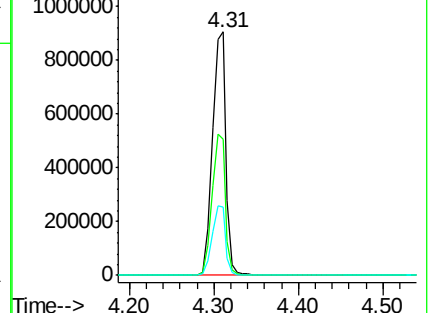
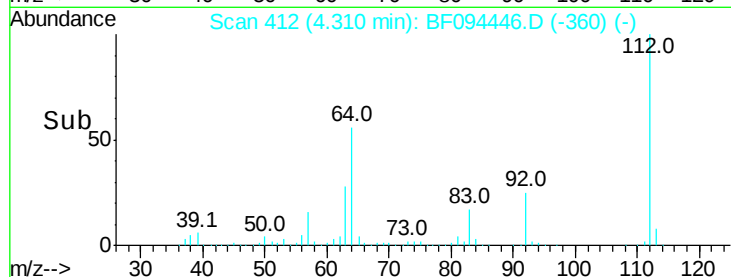
63 28.1 23.4 35.0



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: 52.41 ng

RT: 5.39 min Scan# 596

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

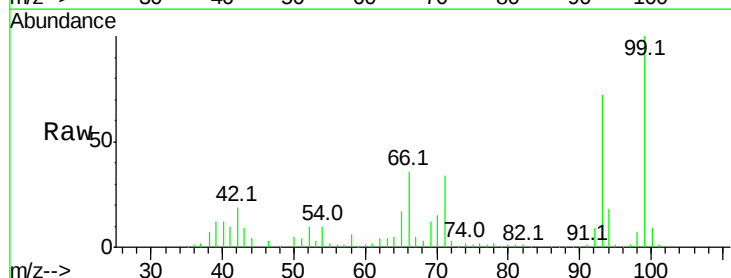
Tgt Ion: 93 Resp: 794285

Ion Ratio Lower Upper

93 100

66 50.5 32.9 49.3#

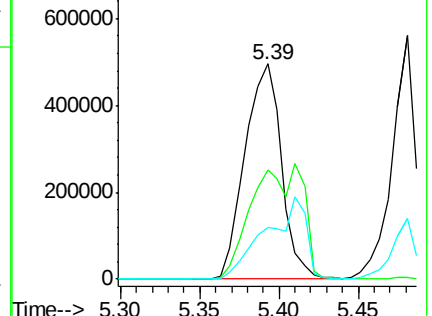
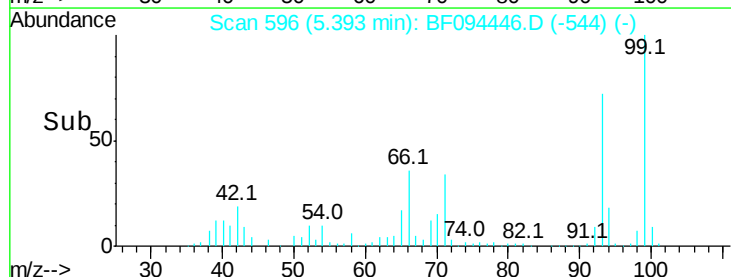
65 24.0 16.0 24.0

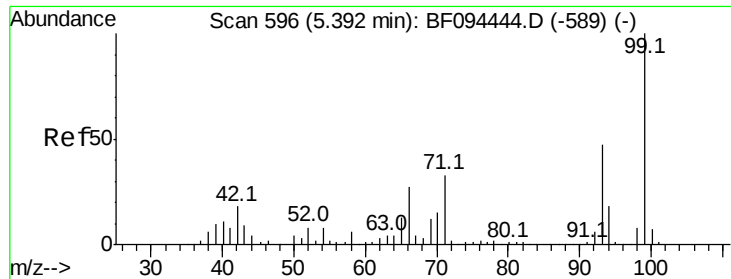


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 109.16 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampled :

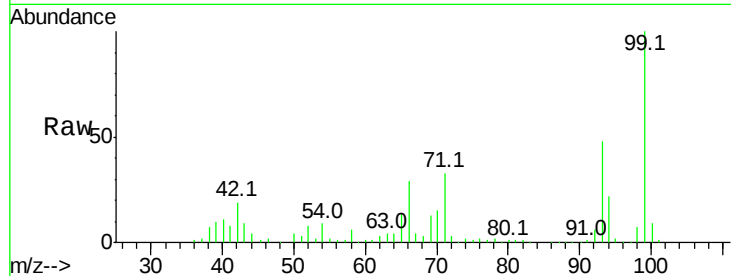
Tot Ion: 99 Resp: 1189208

Ion Ratio Lower Upper

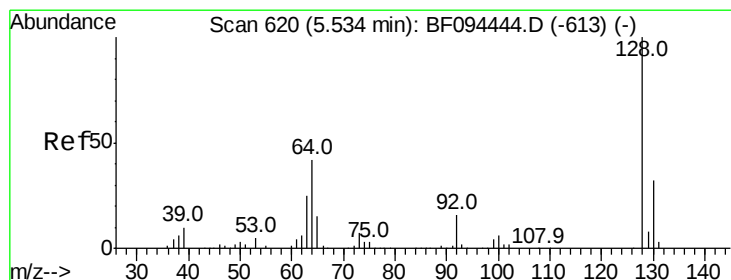
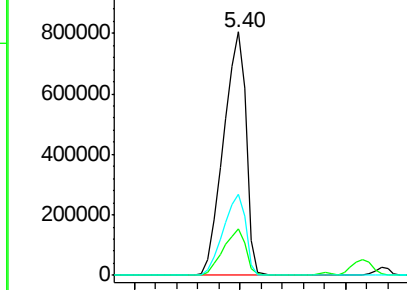
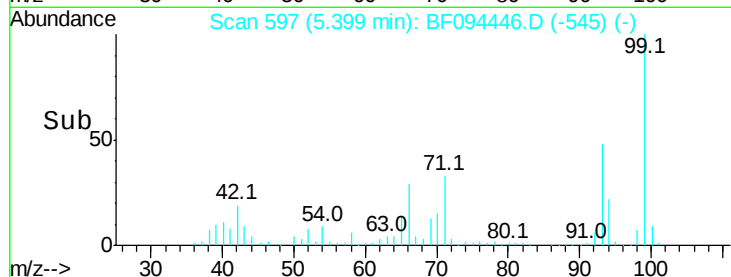
99 100

42 19.1 13.5 20.3

71 33.2 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: 60.16 ng

RT: 5.53 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

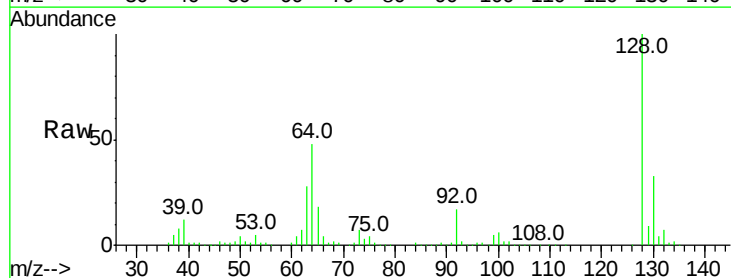
Tgt Ion:128 Resp: 582361

Ion Ratio Lower Upper

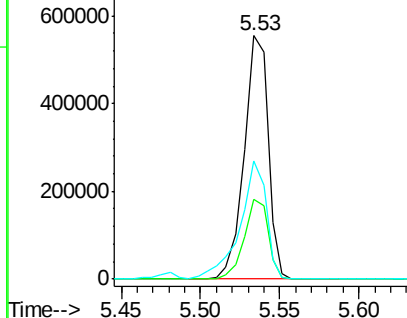
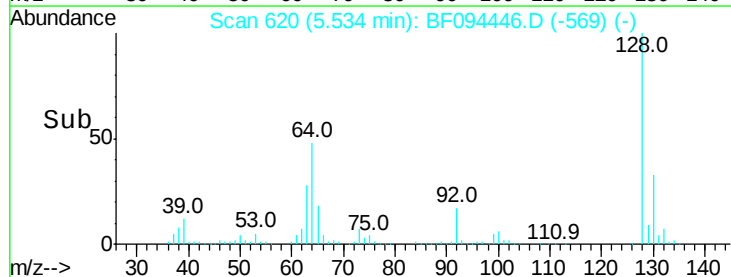
128 100

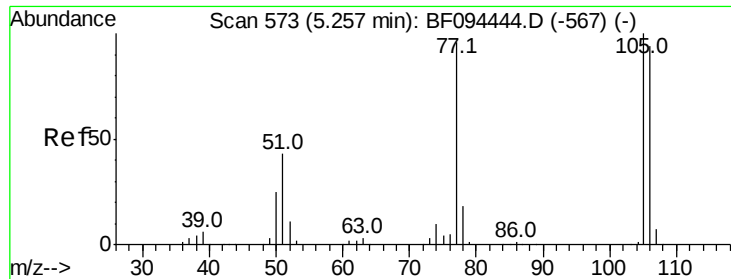
130 32.8 12.9 52.9

64 48.4 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: 61.76 ng

RT: 5.26 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampled :

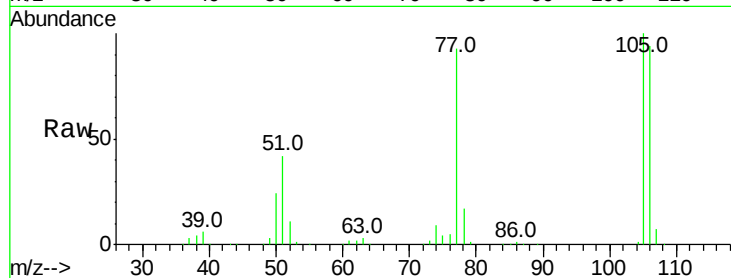
Tot Ion: 77 Resp: 454306

Ion Ratio Lower Upper

77 100

105 107.3 83.8 123.8

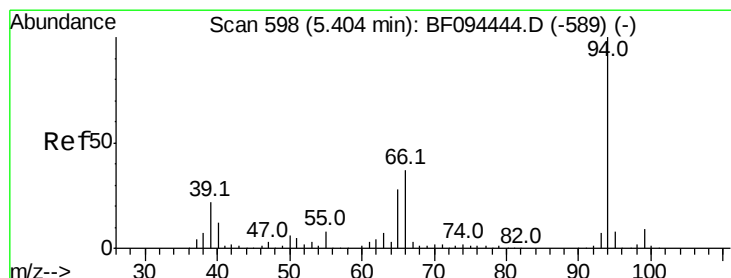
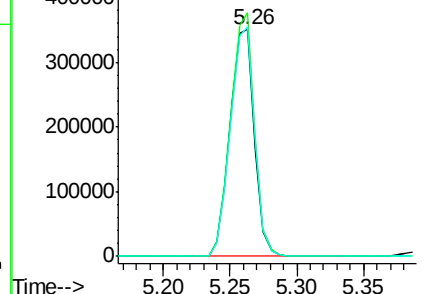
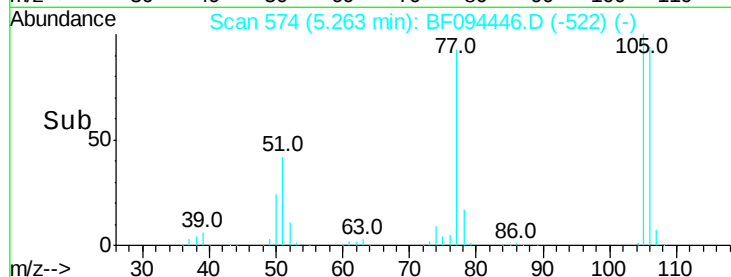
106 101.0 79.1 119.1



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: 59.44 ng

RT: 5.41 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

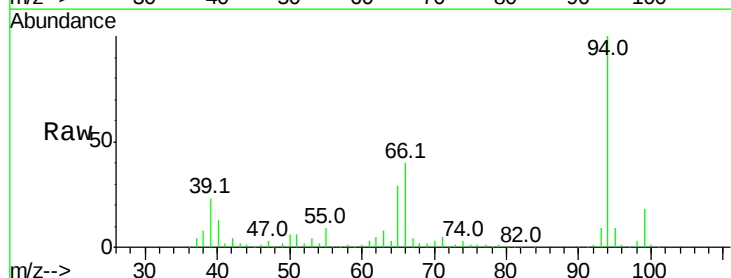
Tgt Ion: 94 Resp: 736861

Ion Ratio Lower Upper

94 100

65 28.7 9.9 49.9

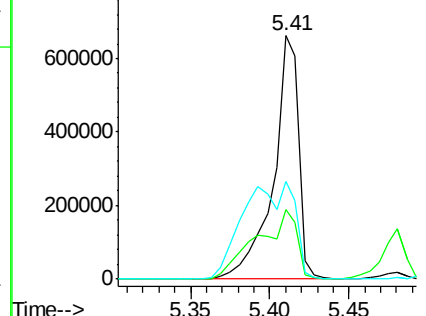
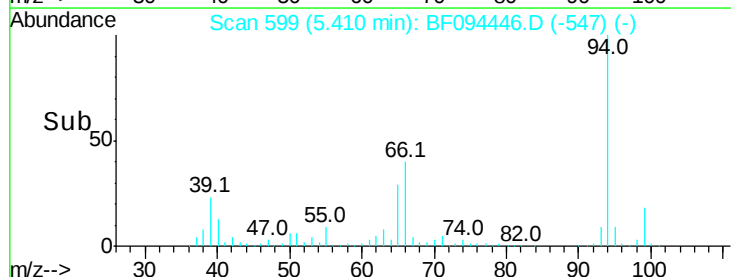
66 40.4 23.1 63.1



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

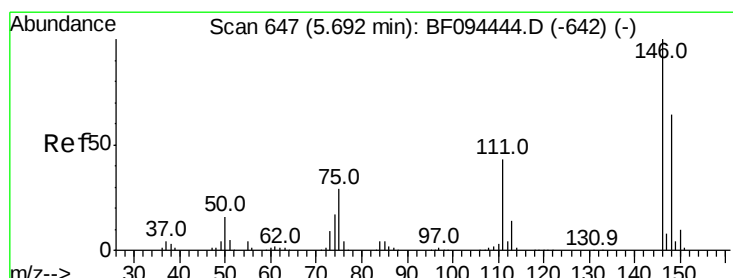
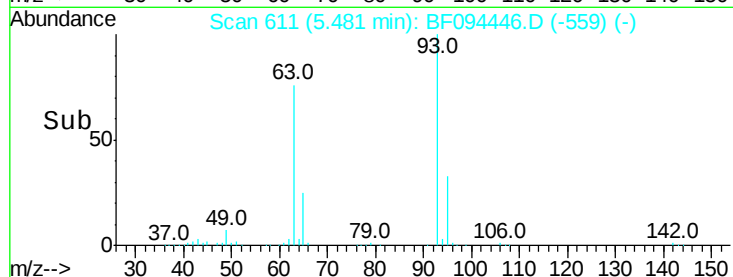
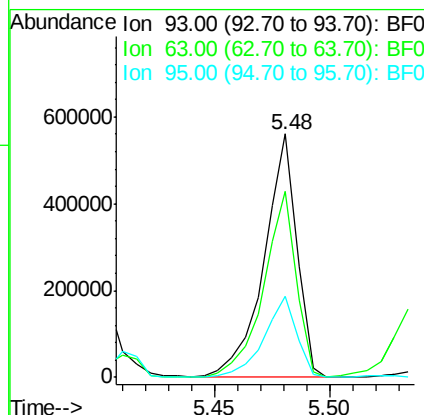
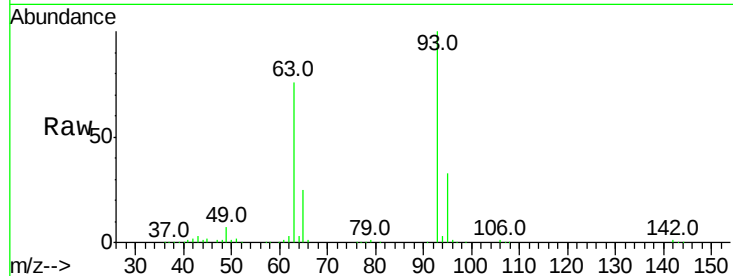




#11  
bis(2-Chloroethyl)ether  
Concen: 56.93 ng  
RT: 5.48 min Scan# 611  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

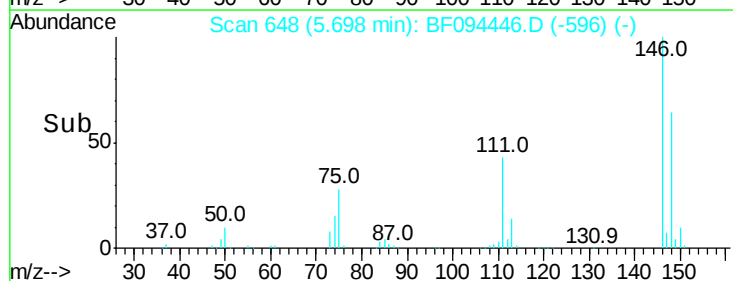
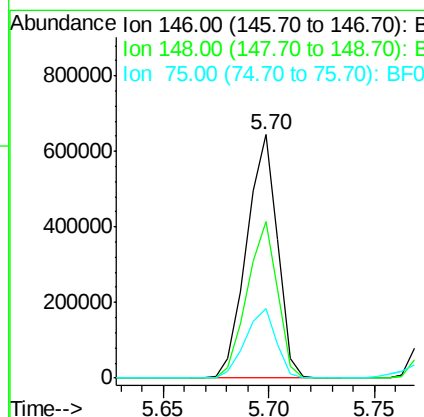
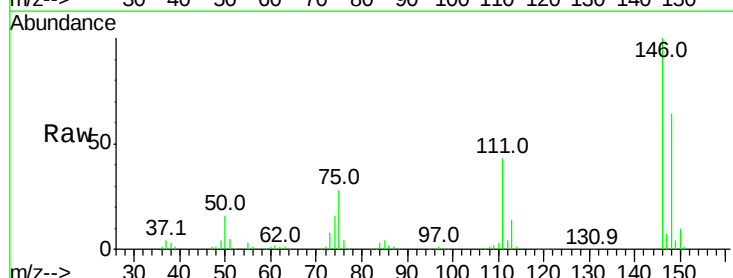
Instrument :  
BNA\_F  
ClientSampleId :

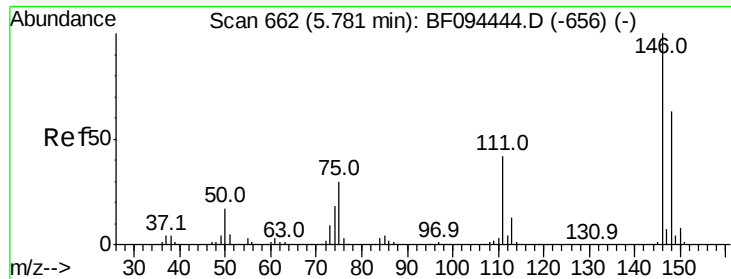
Tot Ion: 93 Resp: 551599  
Ion Ratio Lower Upper  
93 100  
63 76.4 59.2 99.2  
95 33.2 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 60.10 ng  
RT: 5.70 min Scan# 648  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion: 146 Resp: 652510  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.8 77.6  
75 28.4 23.1 34.7

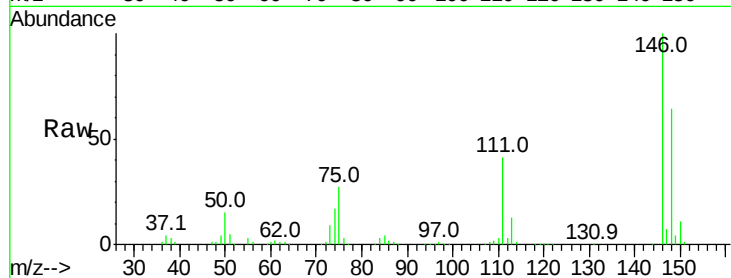




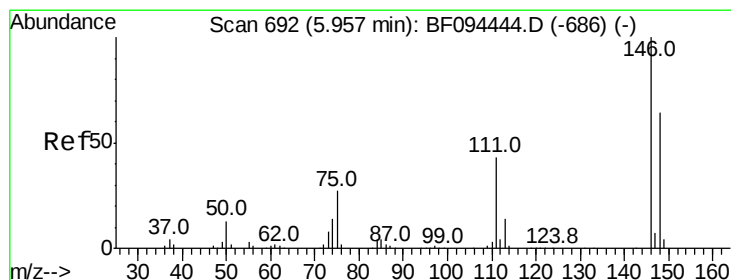
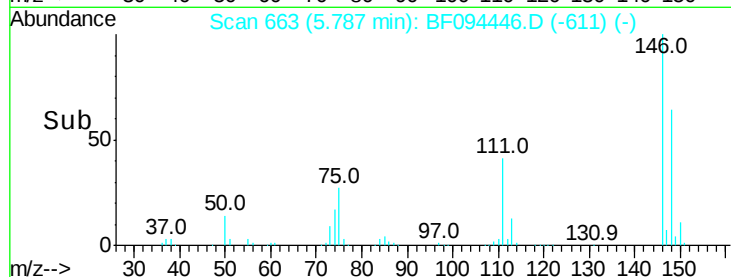
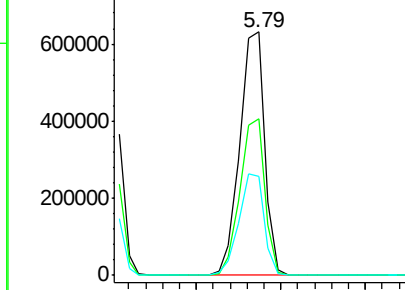
#13  
 1,4-Dichlorobenzene  
 Concen: 59.06 ng  
 RT: 5.79 min Scan# 663  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 649470  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 52.2 78.2  
 111 40.7 30.3 45.5

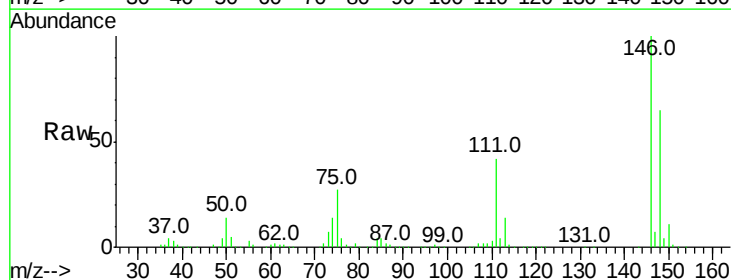


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

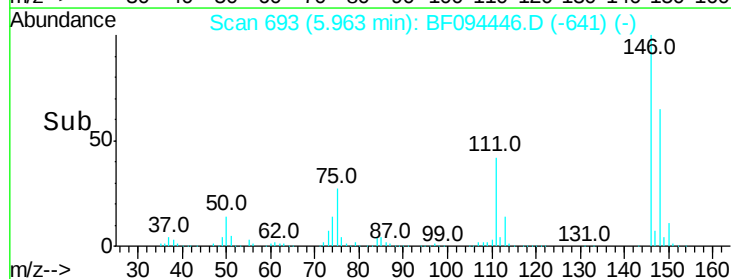
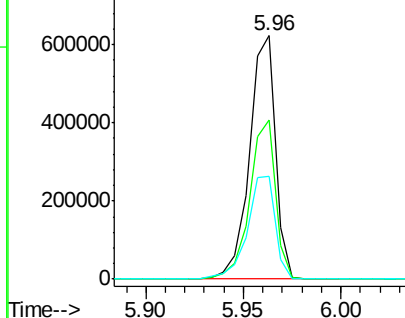


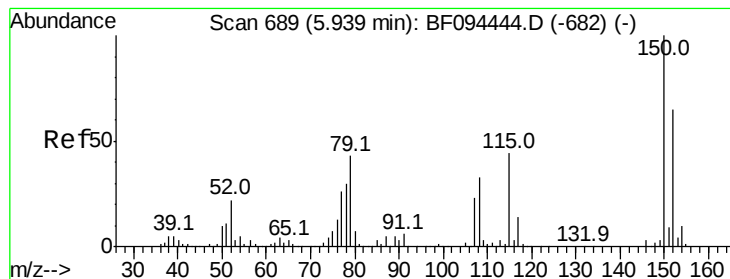
#14  
 1,2-Dichlorobenzene  
 Concen: 56.76 ng  
 RT: 5.96 min Scan# 693  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:146 Resp: 574799  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 50.4 75.6  
 111 42.0 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: 54.59 ng

RT: 5.95 min Scan# 690

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

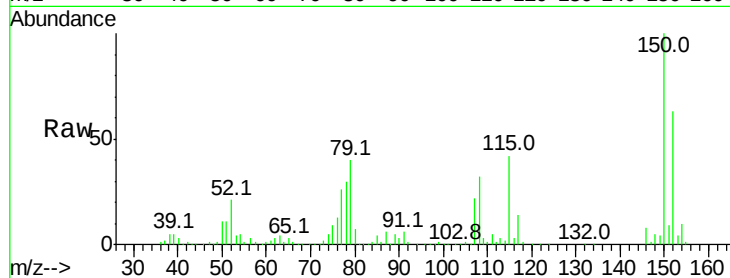
Tot Ion: 79 Resp: 435273

Ion Ratio Lower Upper

79 100

108 80.6 63.4 95.0

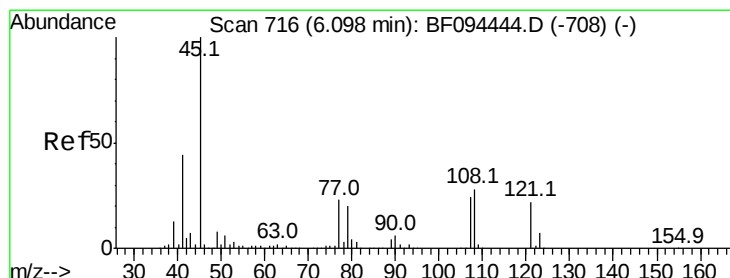
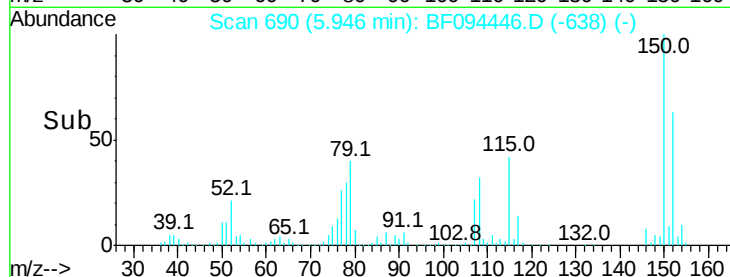
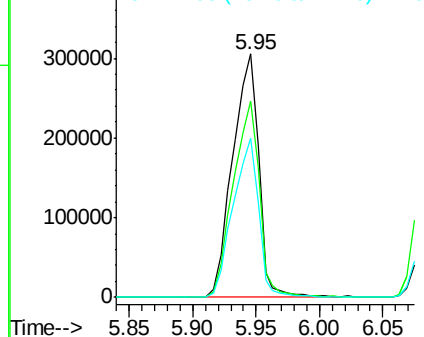
77 65.5 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.02 ng

RT: 6.10 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

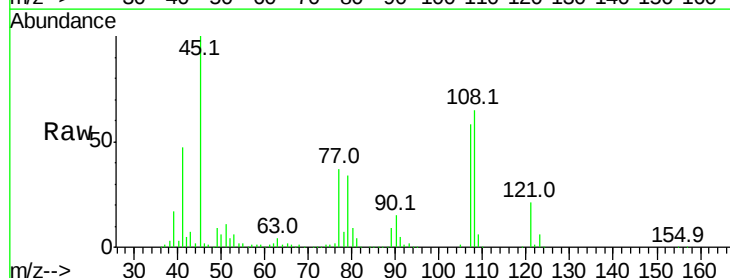
Tgt Ion: 45 Resp: 701918

Ion Ratio Lower Upper

45 100

77 37.4 0.0 33.2#

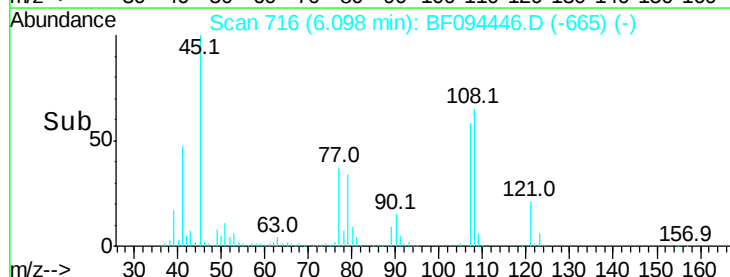
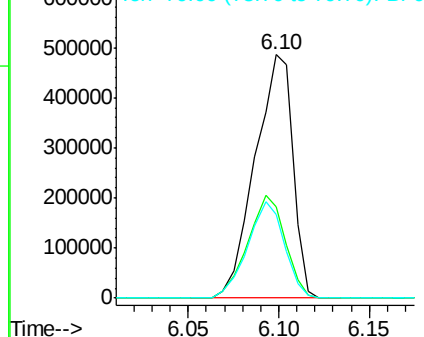
79 34.3 0.0 30.0#

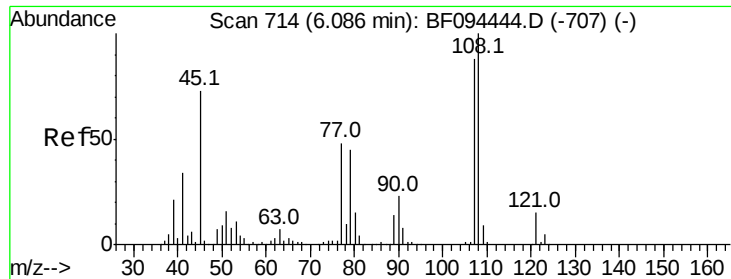


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

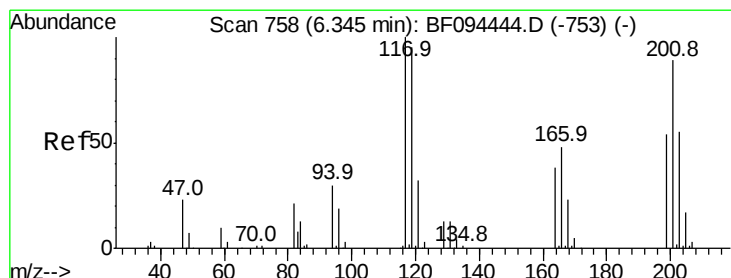
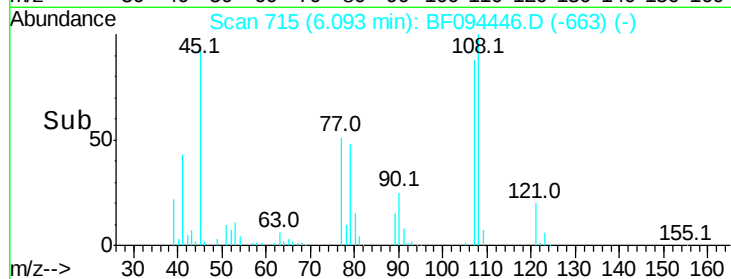
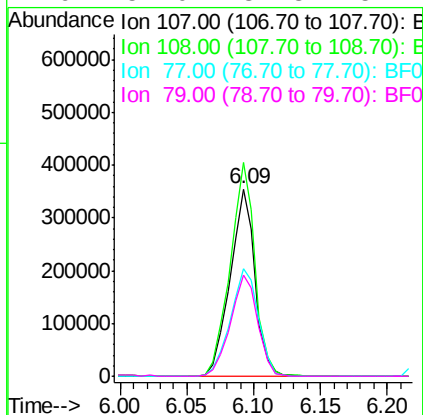
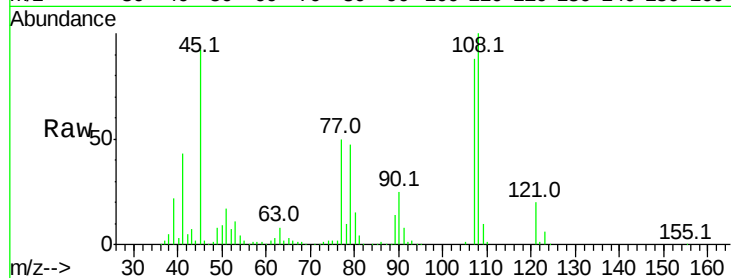




#17  
2-Methylphenol  
Concen: 55.75 ng  
RT: 6.09 min Scan# 715  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

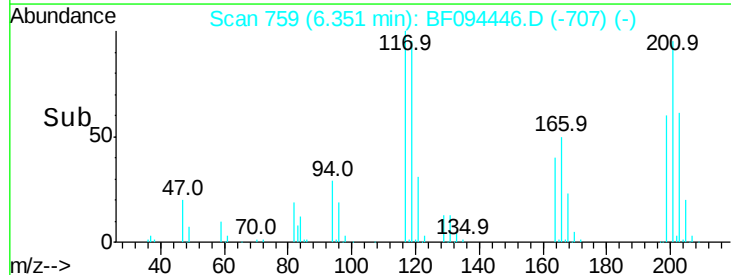
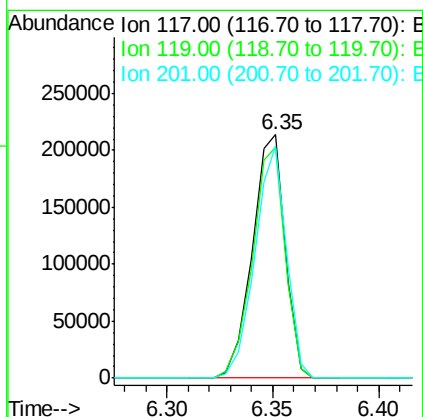
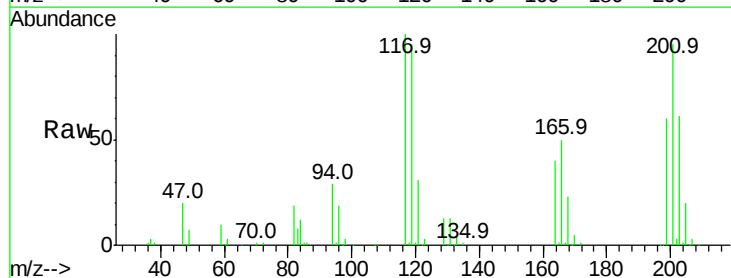
Instrument :  
BNA\_F  
ClientSampleId :

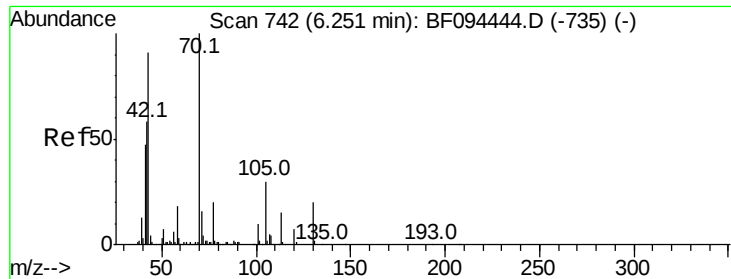
Tot Ion:107 Resp: 462169  
Ion Ratio Lower Upper  
107 100  
108 114.1 93.4 140.0  
77 57.6 35.8 53.6#  
79 54.0 34.8 52.2#



#18  
Hexachloroethane  
Concen: 59.38 ng  
RT: 6.35 min Scan# 759  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:117 Resp: 229523  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.4 116.0  
201 95.3 94.6 141.8

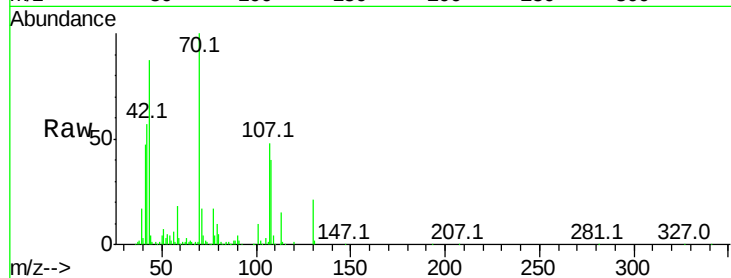




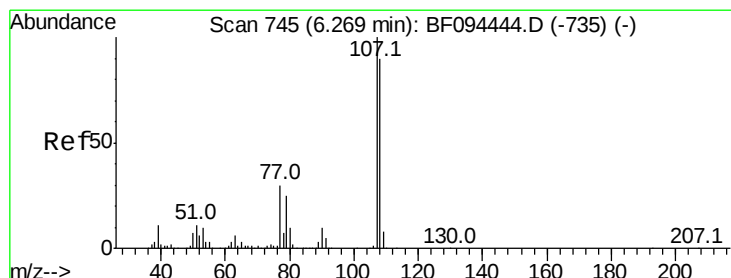
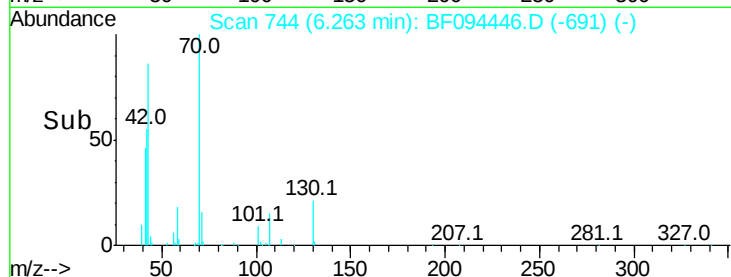
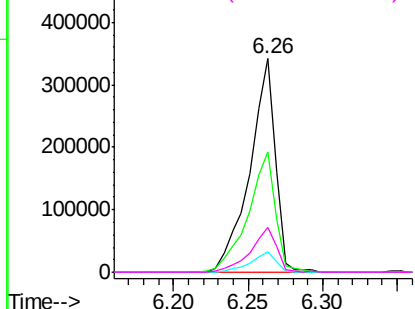
#19  
n-Nitroso-di-n-propylamine  
Concen: 57.80 ng  
RT: 6.26 min Scan# 744  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 70 Resp: 404686  
Ion Ratio Lower Upper  
70 100  
42 56.6 47.2 70.8  
101 9.5 7.2 10.8  
130 20.8 15.9 23.9

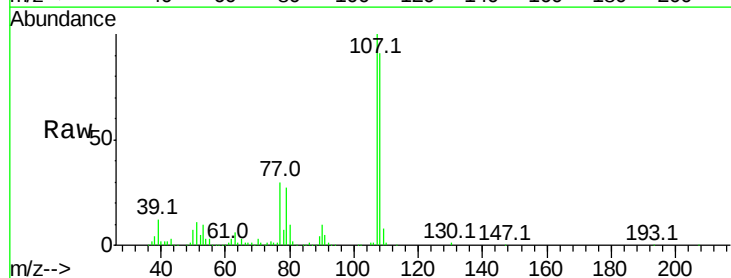


Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

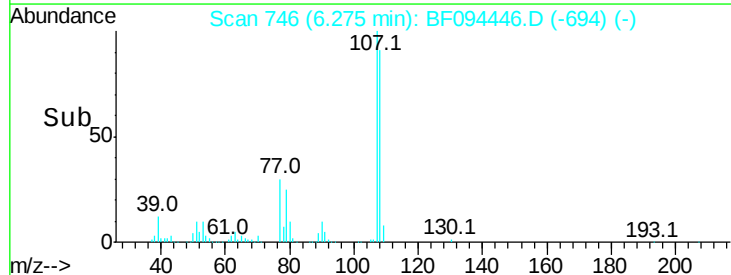
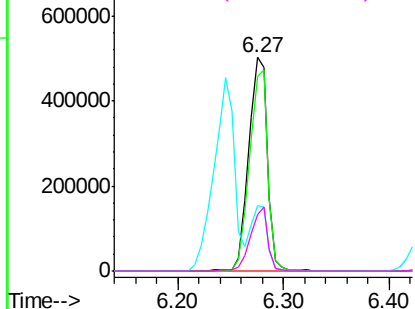


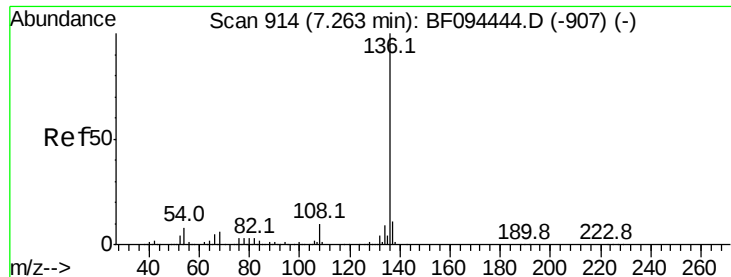
#20  
3+4-Methylphenols  
Concen: 62.26 ng  
RT: 6.27 min Scan# 746  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:107 Resp: 625110  
Ion Ratio Lower Upper  
107 100  
108 91.4 71.0 111.0  
77 30.3 90.5 130.5#  
79 26.6 8.4 48.4



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

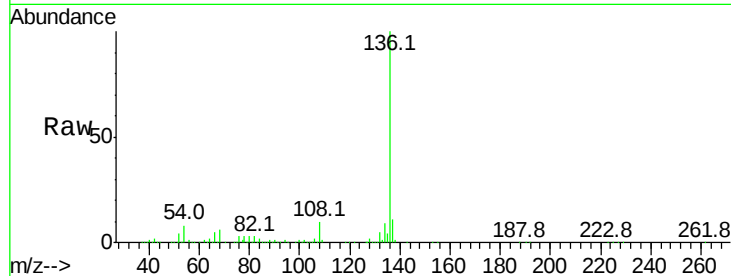




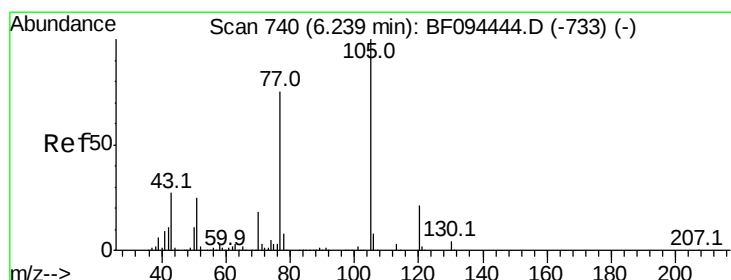
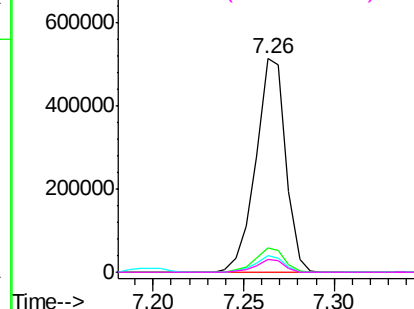
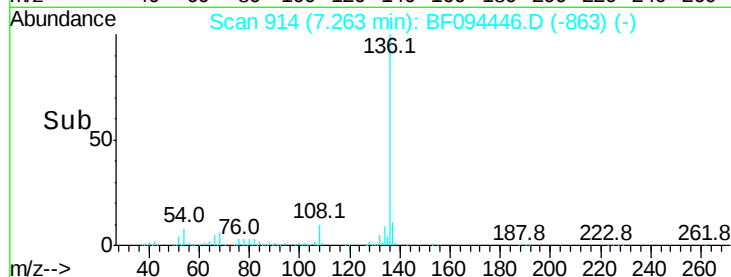
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.26 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Instrument :  
BNA\_F  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 589566 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.5    | 8.5 12.7     |
| 54 7.8      | 4.9 7.3#     |
| 68 5.9      | 4.1 6.1      |

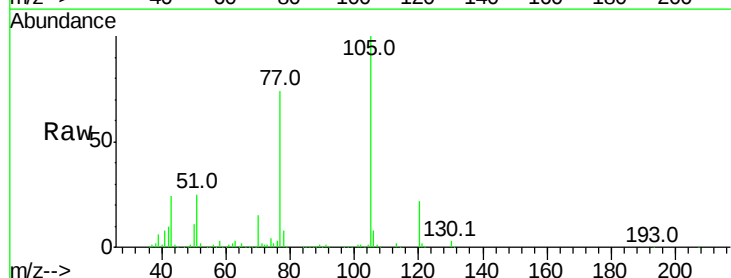


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

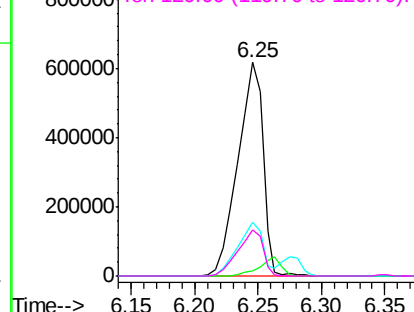
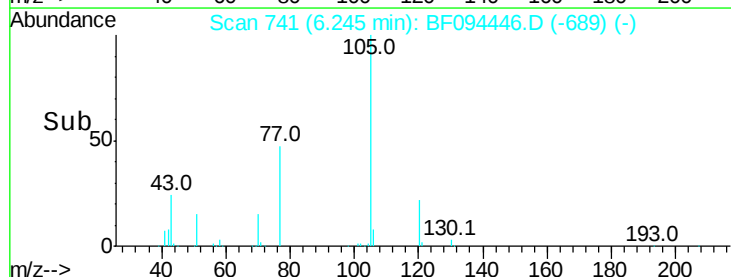


#22  
Acetophenone  
Concen: 64.18 ng  
RT: 6.25 min Scan# 741  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

|             |              |
|-------------|--------------|
| Tgt Ion:105 | Resp: 843355 |
| Ion Ratio   | Lower Upper  |
| 105 100     |              |
| 71 2.4      | 2.8 4.2#     |
| 51 25.1     | 30.7 46.1#   |
| 120 21.6    | 17.4 26.0    |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

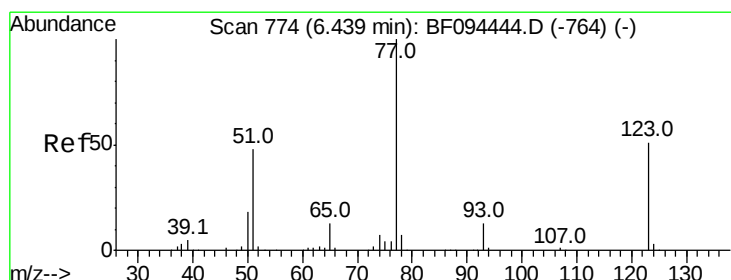
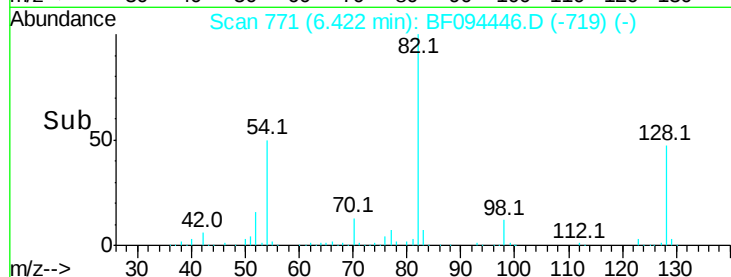
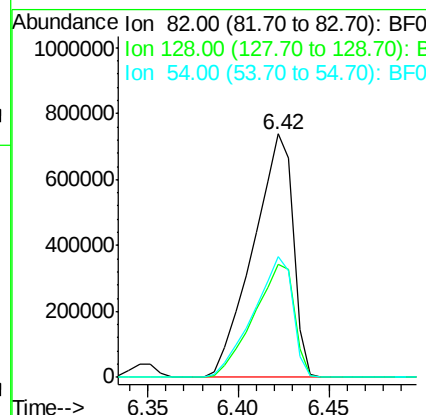
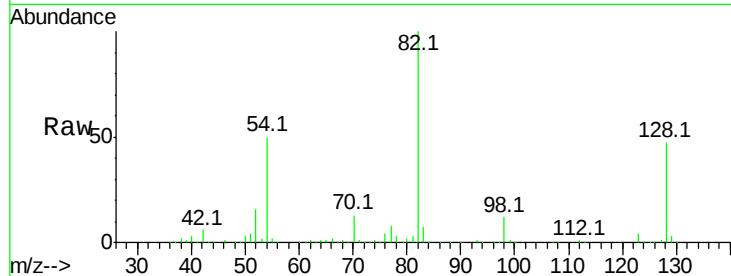




#23  
 Nitrobenzene-d5  
 Concen: 109.79 ng  
 RT: 6.42 min Scan# 771  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

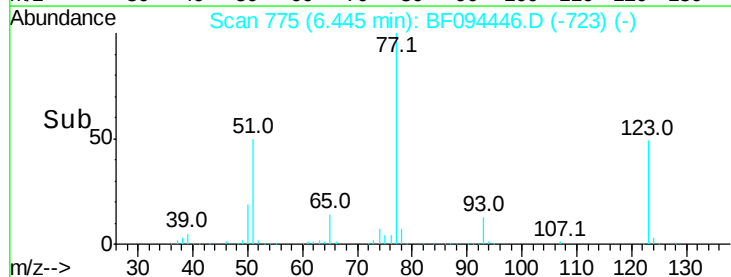
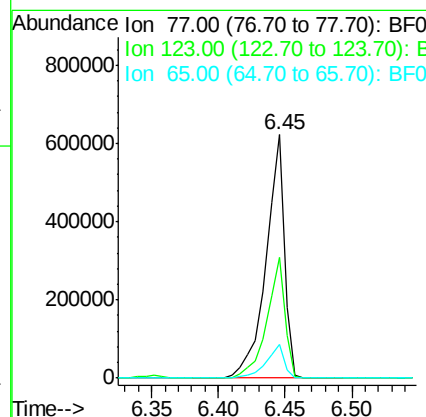
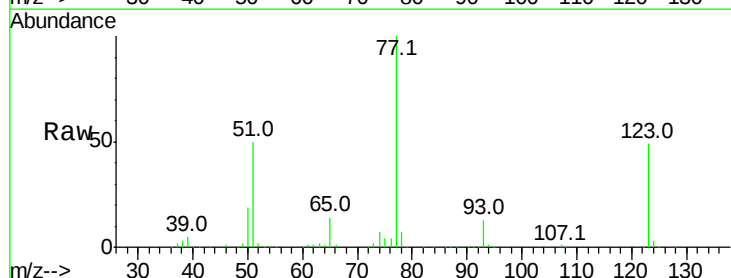
Instrument :  
 BNA\_F  
 ClientSampled :

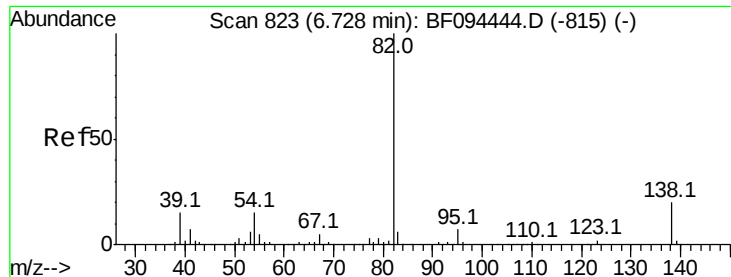
Tot Ion: 82 Resp: 1134196  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 34.0 51.0  
 54 49.6 42.2 63.2



#24  
 Nitrobenzene  
 Concen: 57.96 ng  
 RT: 6.45 min Scan# 775  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion: 77 Resp: 590580  
 Ion Ratio Lower Upper  
 77 100  
 123 49.4 35.8 53.8  
 65 13.7 10.6 15.8





#25

Isophorone

Concen: 58.49 ng

RT: 6.73 min Scan# 824

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

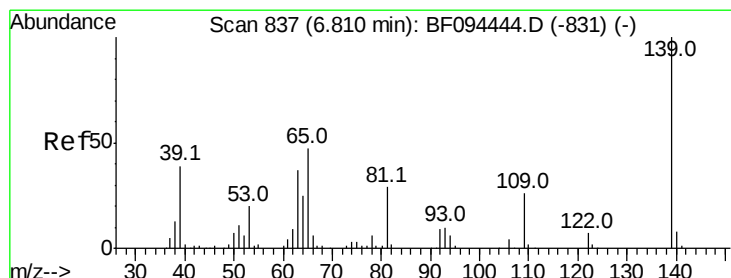
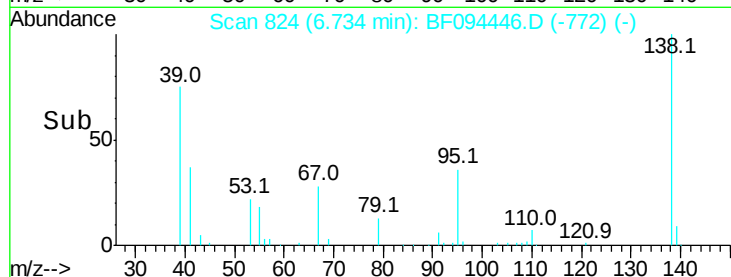
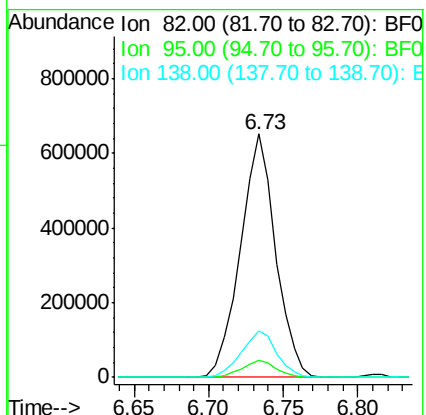
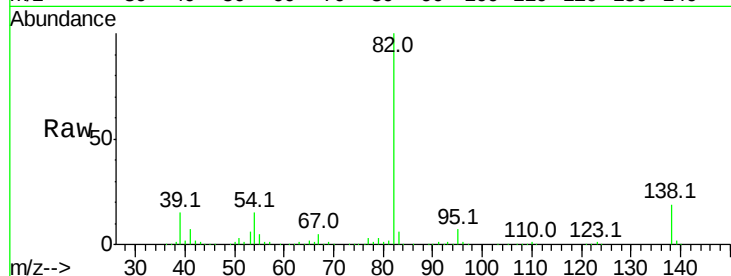
Tot Ion: 82 Resp: 1061722

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

138 19.2 13.1 19.7



#26

2-Nitrophenol

Concen: 67.98 ng

RT: 6.82 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

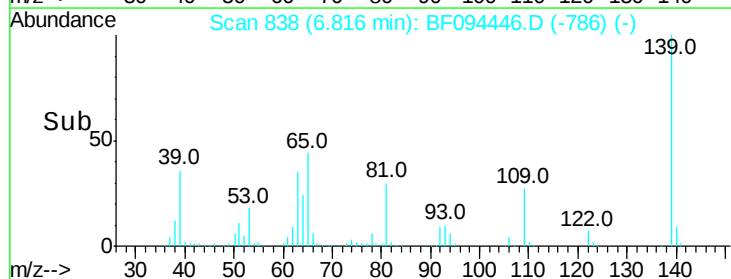
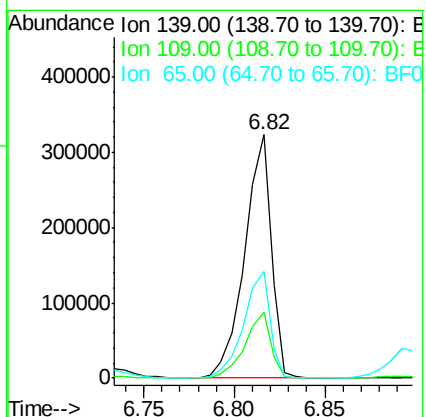
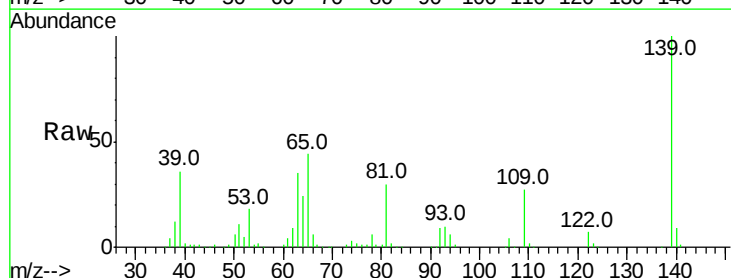
Tgt Ion: 139 Resp: 330332

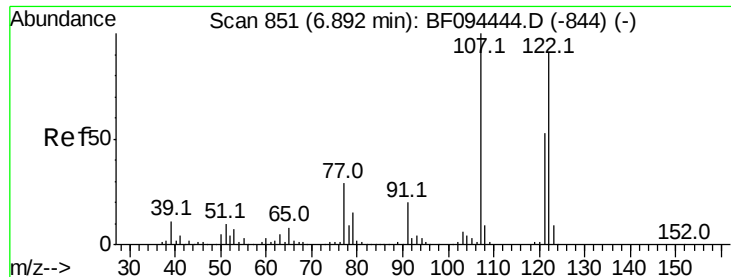
Ion Ratio Lower Upper

139 100

109 26.9 21.0 31.6

65 43.7 33.0 49.6

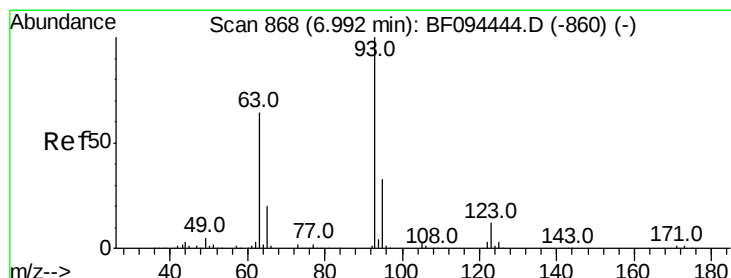
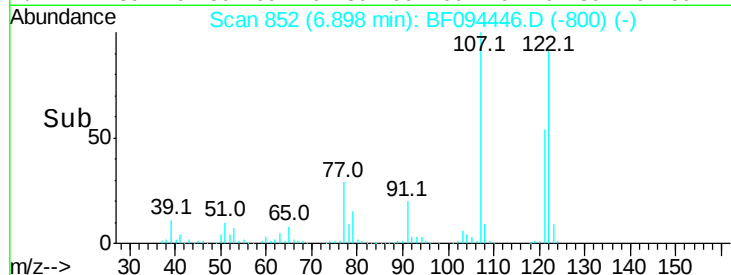
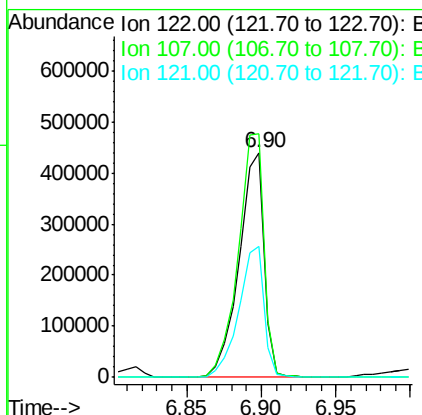
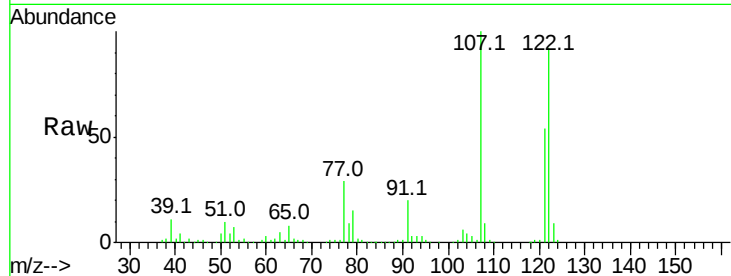




#27  
 2,4-Dimethylphenol  
 Concen: 61.58 ng  
 RT: 6.90 min Scan# 852  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

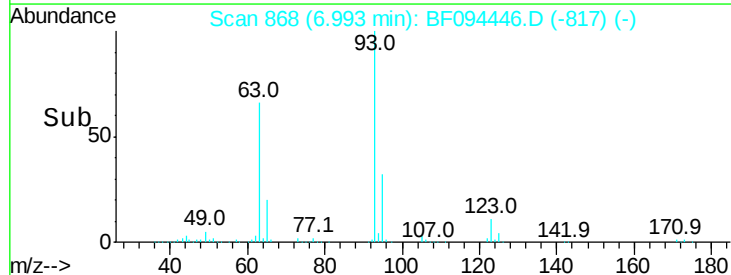
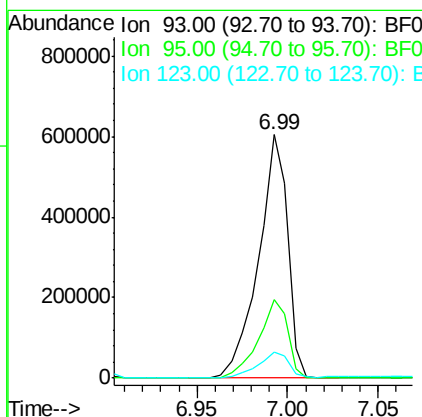
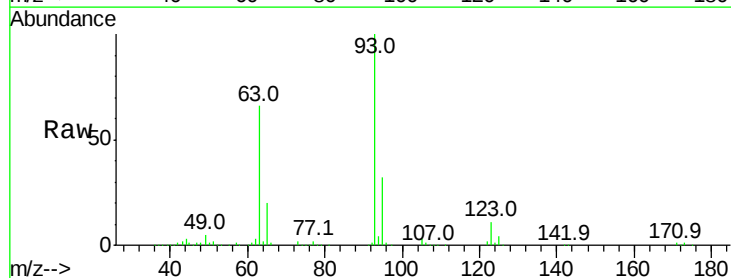
Instrument :  
 BNA\_F  
 ClientSampleId :

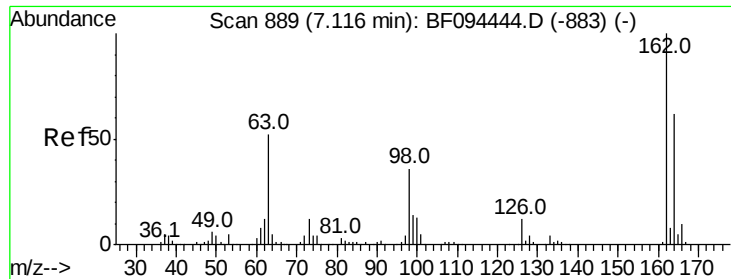
Tot Ion:122 Resp: 515582  
 Ion Ratio Lower Upper  
 122 100  
 107 108.4 89.2 133.8  
 121 58.2 45.2 67.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 56.40 ng  
 RT: 6.99 min Scan# 868  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion: 93 Resp: 675138  
 Ion Ratio Lower Upper  
 93 100  
 95 32.4 26.5 39.7  
 123 10.9 9.0 13.4

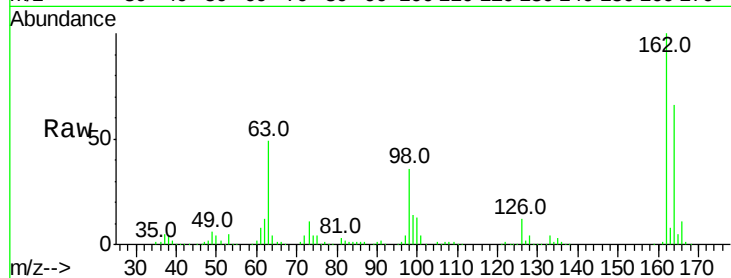




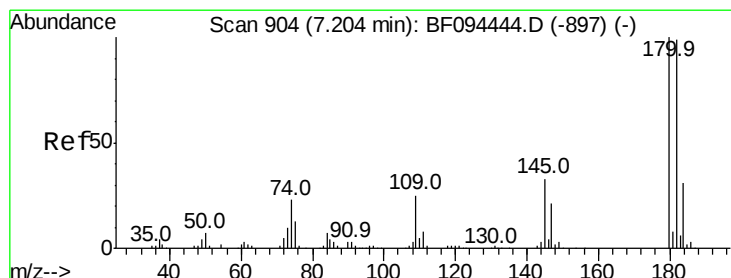
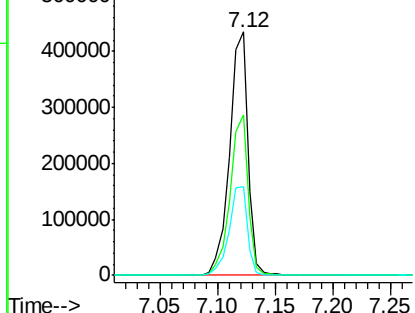
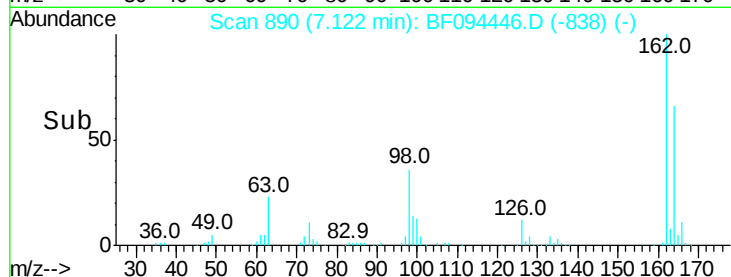
#29  
 2,4-Dichlorophenol  
 Concen: 61.08 ng  
 RT: 7.12 min Scan# 890  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.1  | 44.6  | 84.6  |
| 98      | 36.5  | 14.8  | 54.8  |

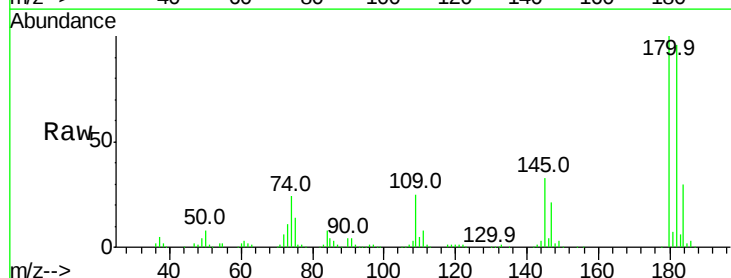


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

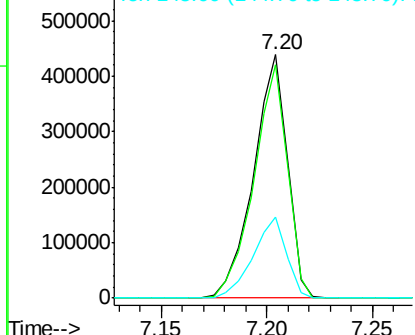
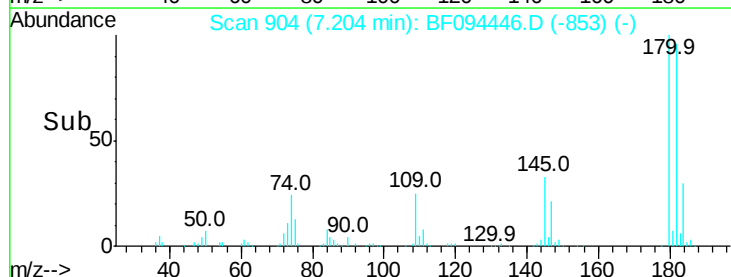


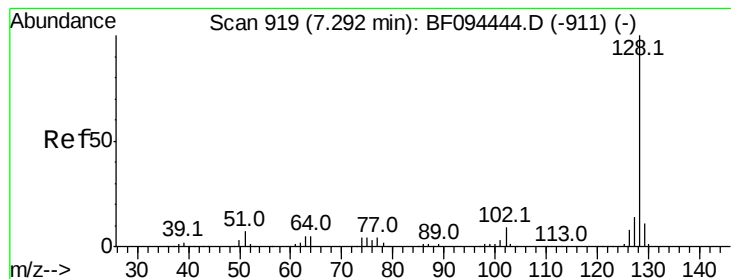
#30  
 1,2,4-Trichlorobenzene  
 Concen: 60.66 ng  
 RT: 7.20 min Scan# 904  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 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: 56.86 ng

RT: 7.29 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

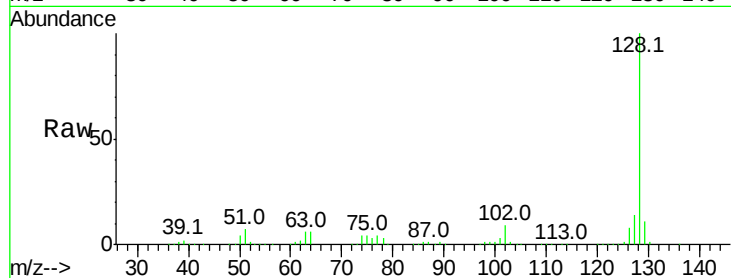
Tot Ion:128 Resp: 1611779

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

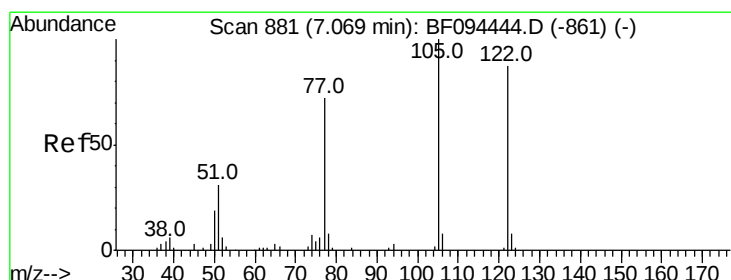
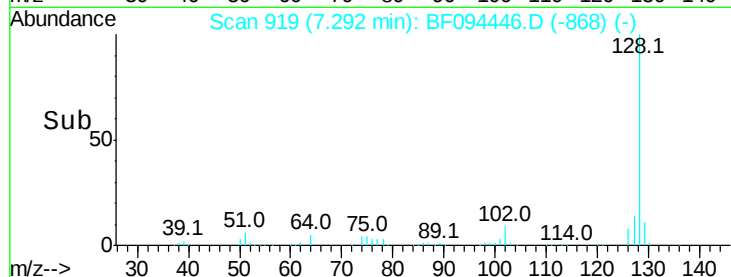
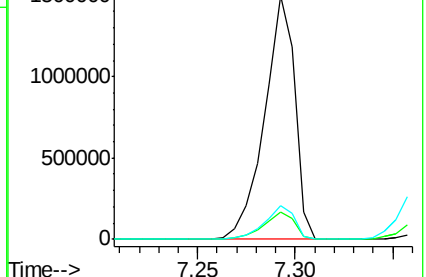
127 13.8 10.8 16.2



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: 54.45 ng

RT: 7.10 min Scan# 886

Delta R.T. 0.03 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

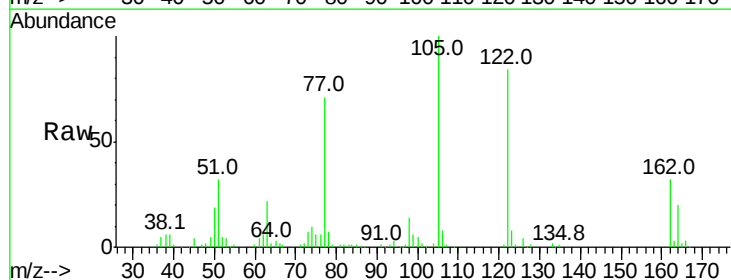
Tgt Ion:122 Resp: 303466

Ion Ratio Lower Upper

122 100

105 119.4 103.3 143.3

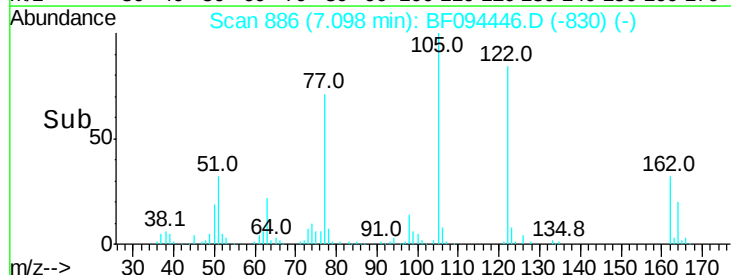
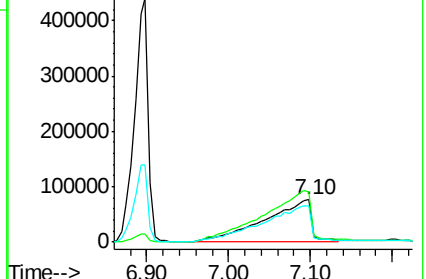
77 85.4 73.7 113.7

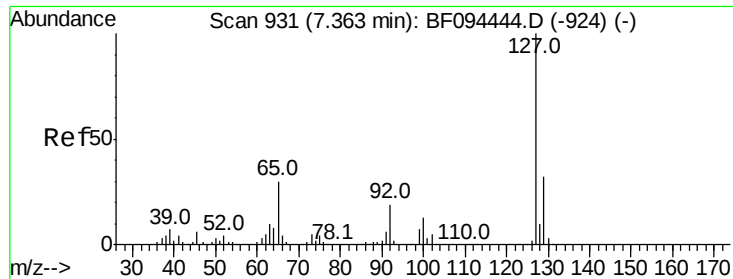


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 59.64 ng

RT: 7.37 min Scan# 932

Delta R.T. 0.01 min

Lab File: BF094446.D

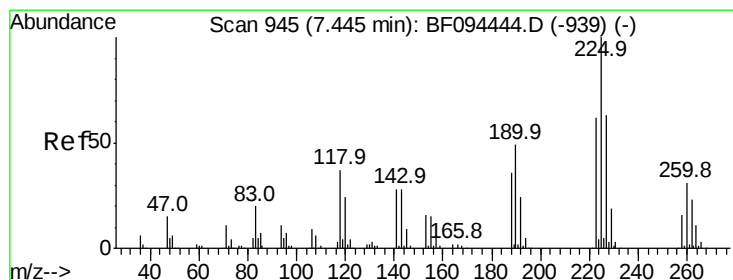
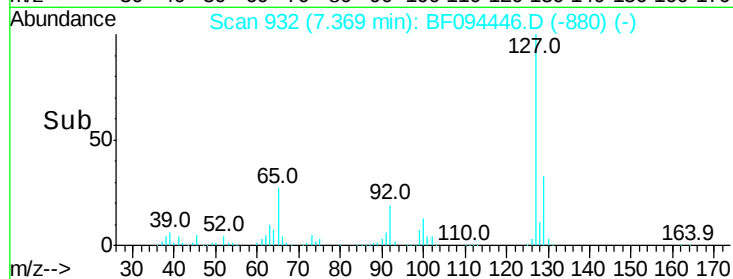
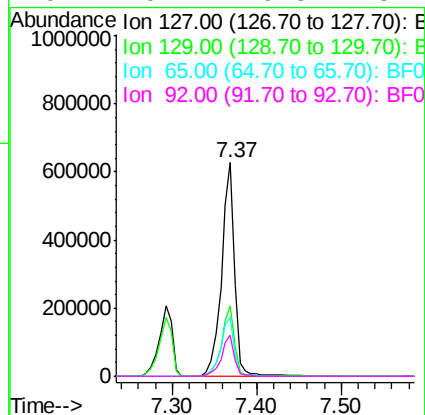
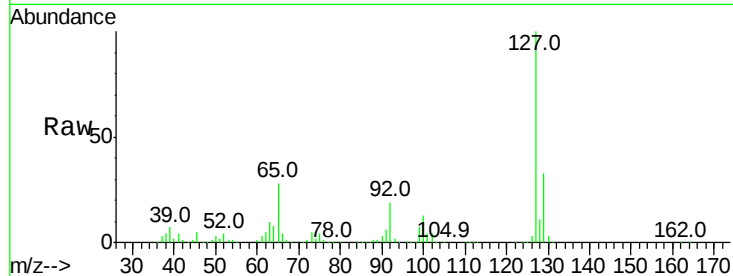
Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 685262 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 26.2  | 39.2   |
| 65       | 27.6  | 27.8  | 41.8#  |
| 92       | 19.2  | 16.8  | 25.2   |



#34

Hexachlorobutadiene

Concen: 58.77 ng

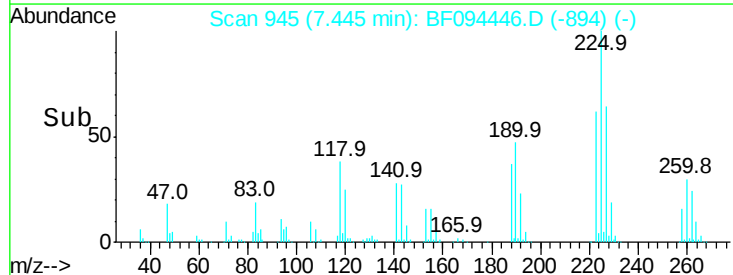
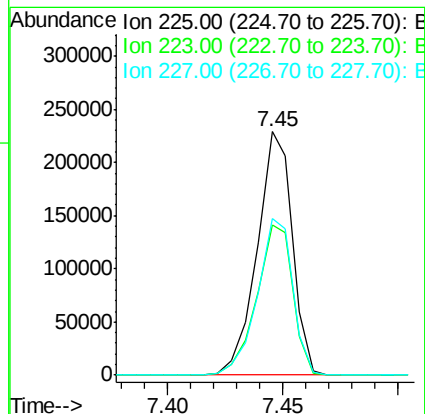
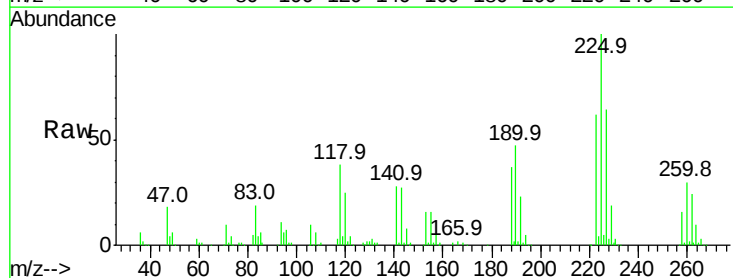
RT: 7.45 min Scan# 945

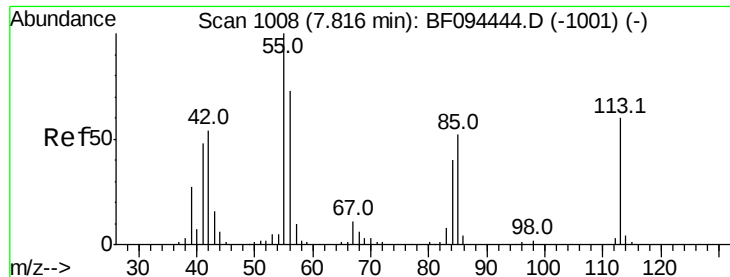
Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 242992 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.8  | 48.8  | 73.2   |
| 227      | 64.5  | 51.1  | 76.7   |

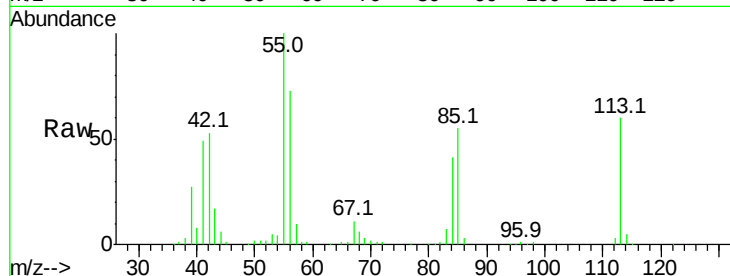




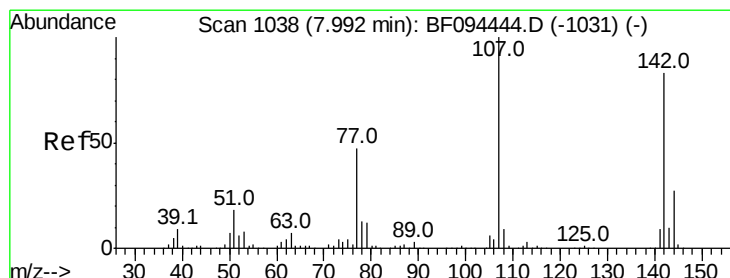
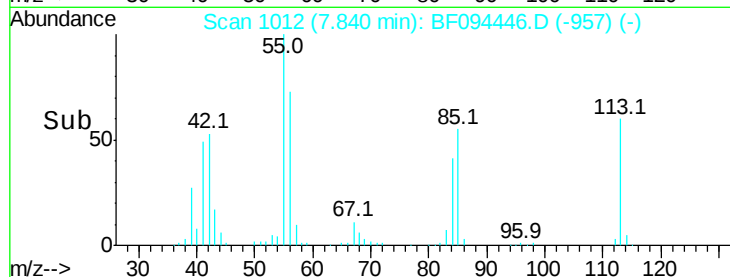
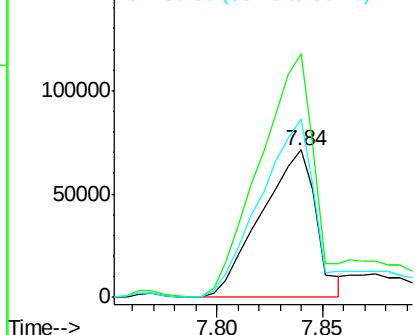
#35  
 Caprolactam  
 Concen: 51.81 ng  
 RT: 7.84 min Scan# 1012  
 Delta R.T. 0.02 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 129336  
 Ion Ratio Lower Upper  
 113 100  
 55 165.5 150.2 190.2  
 56 121.0 107.8 147.8

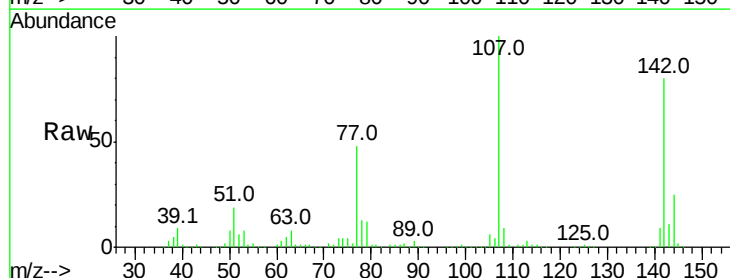


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

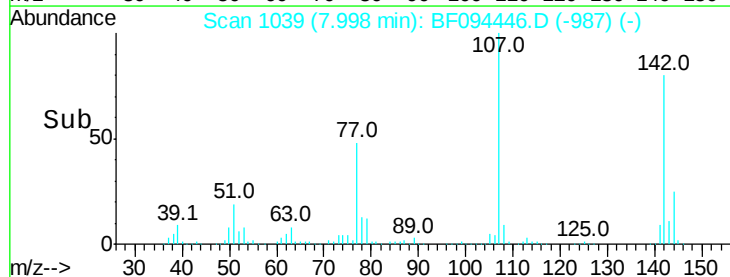
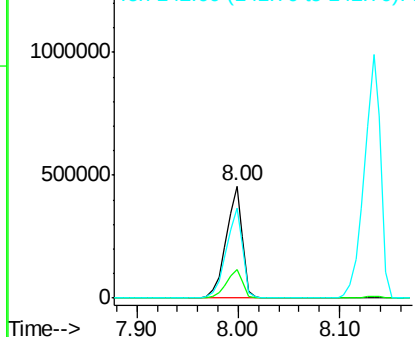


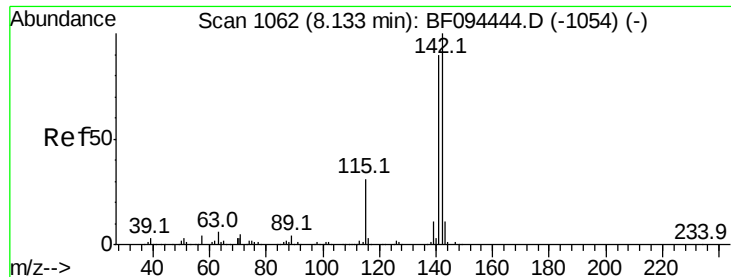
#36  
 4-Chloro-3-methylphenol  
 Concen: 61.85 ng  
 RT: 8.00 min Scan# 1039  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:107 Resp: 505928  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 24.2 36.4  
 142 80.3 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

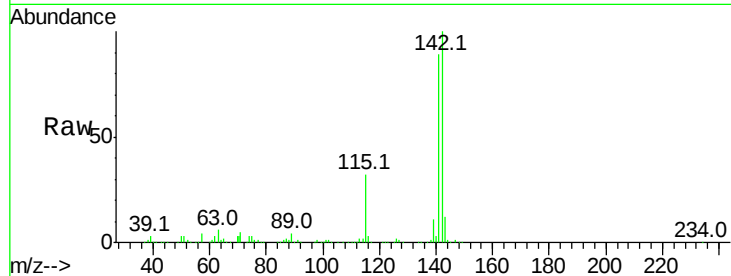




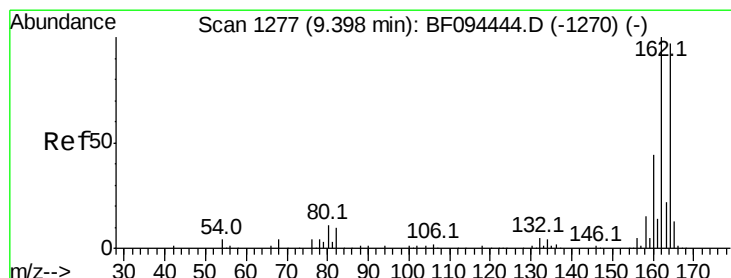
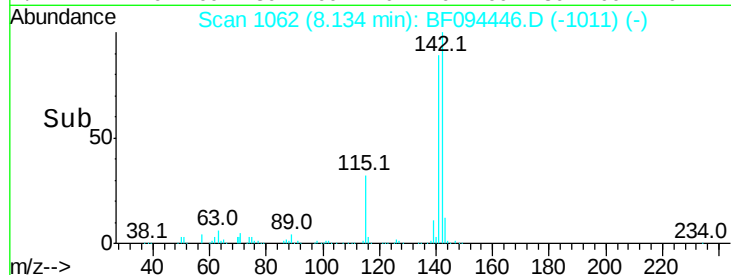
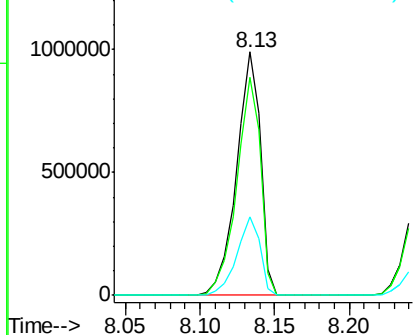
#37  
 2-Methylnaphthalene  
 Concen: 58.53 ng  
 RT: 8.13 min Scan# 1062  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:142 Resp: 1106016  
 Ion Ratio Lower Upper  
 142 100  
 141 89.4 71.3 106.9  
 115 32.2 27.1 40.7

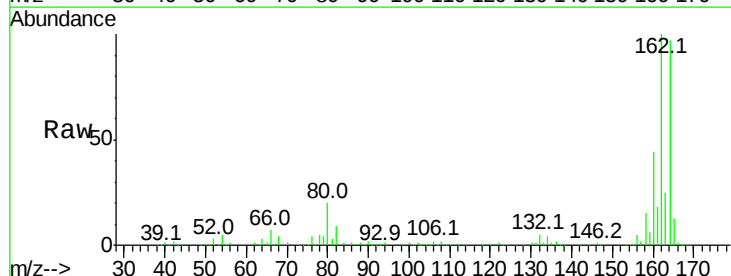


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

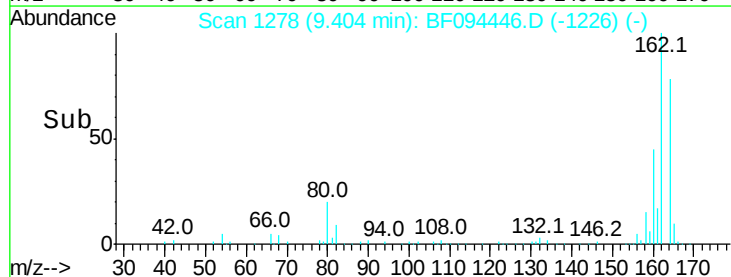
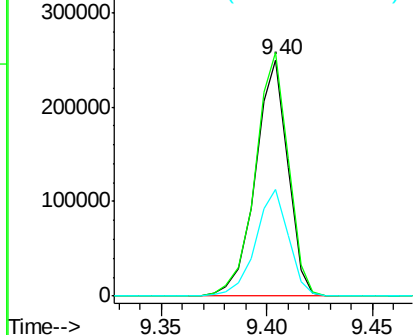


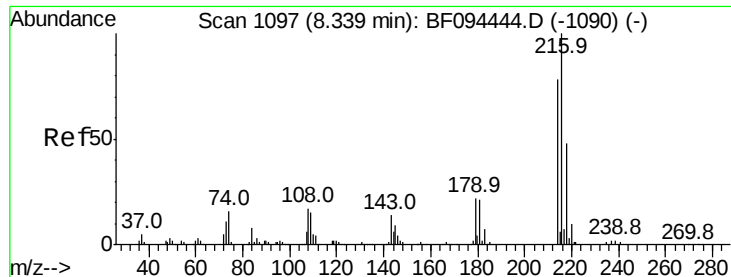
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.40 min Scan# 1278  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:164 Resp: 267509  
 Ion Ratio Lower Upper  
 164 100  
 162 103.1 82.6 123.8  
 160 45.3 36.2 54.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 58.70 ng

RT: 8.34 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 429548

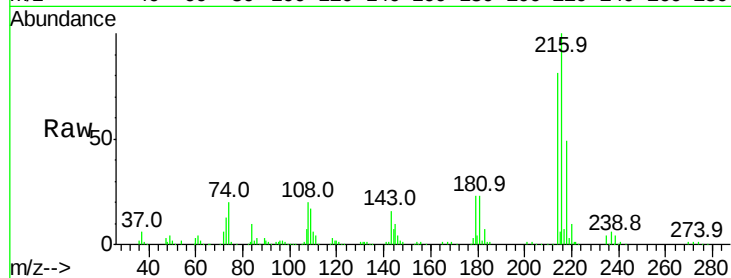
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.2

179 22.6 17.9 26.9

108 20.2 16.5 24.7

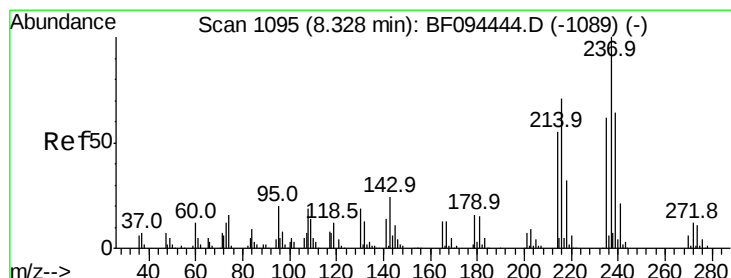
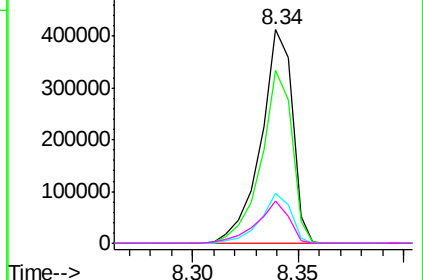
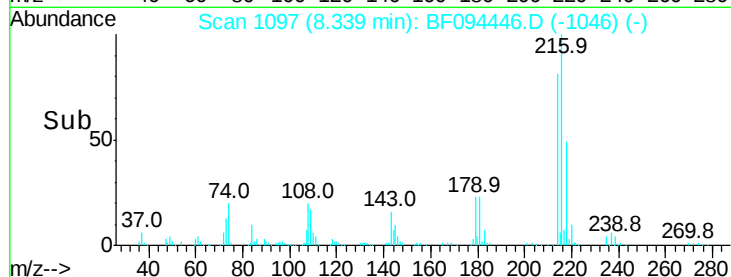


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 58.76 ng

RT: 8.33 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

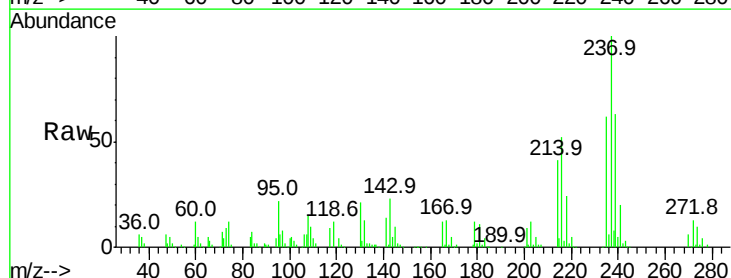
Tgt Ion:237 Resp: 201233

Ion Ratio Lower Upper

237 100

235 62.2 42.6 82.6

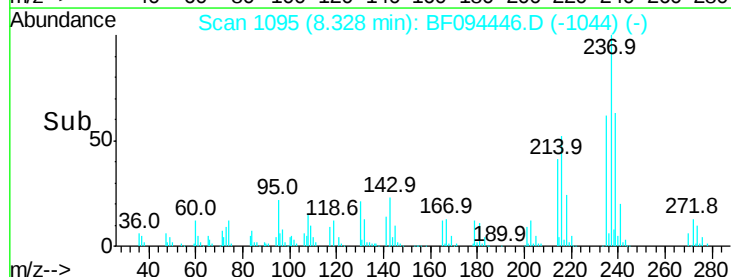
272 12.8 0.0 31.9



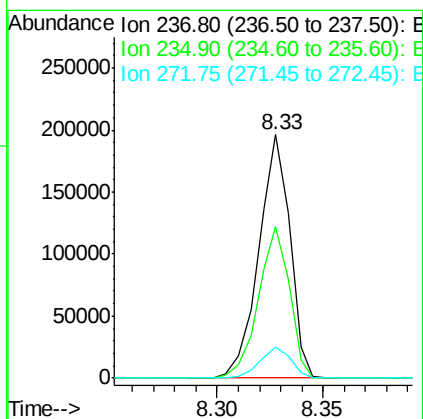
Abundance Ion 236.80 (236.50 to 237.50): E

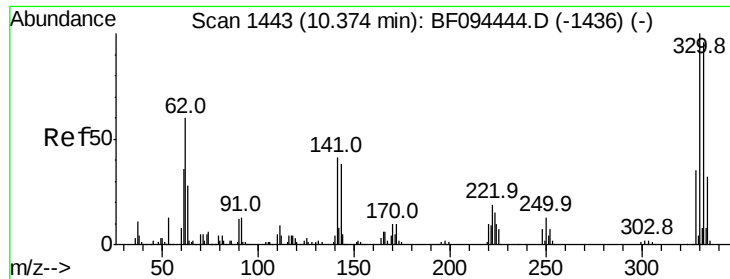
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

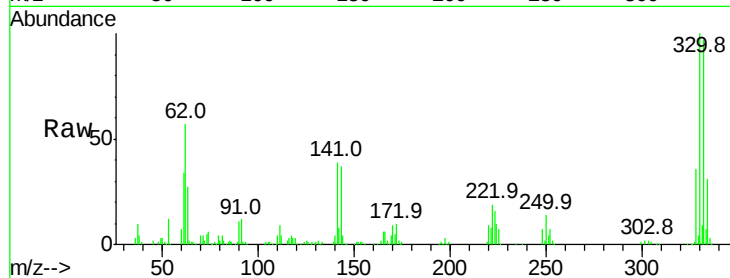




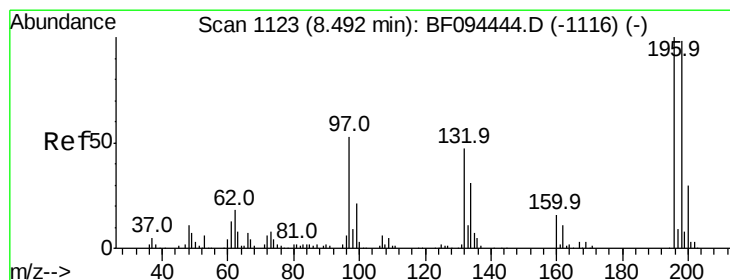
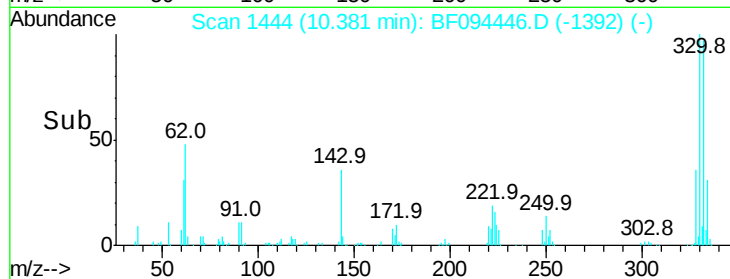
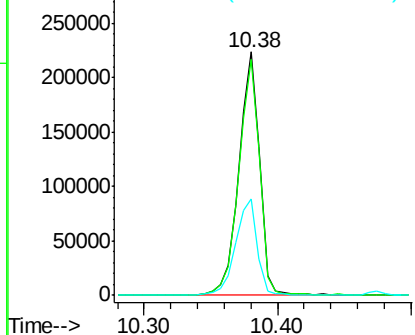
#41  
 2,4,6-Tribromophenol  
 Concen: 114.61 ng  
 RT: 10.38 min Scan# 1444  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 242272  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 115.0  
 141 41.7 31.4 47.2

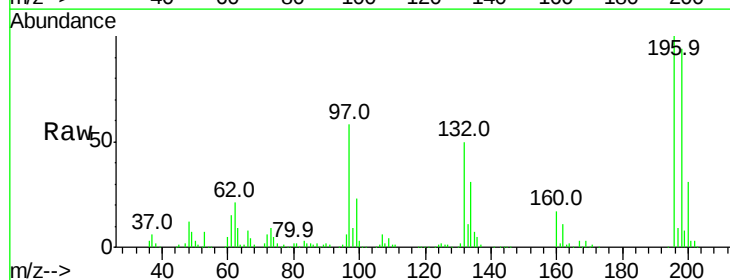


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

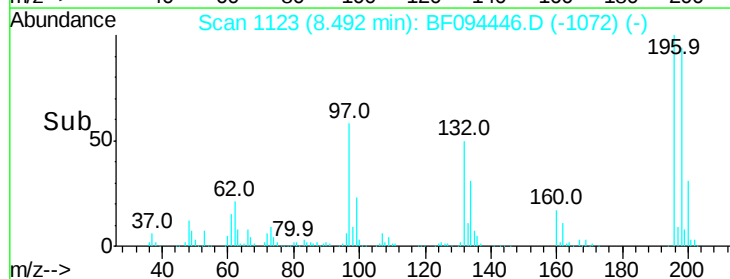
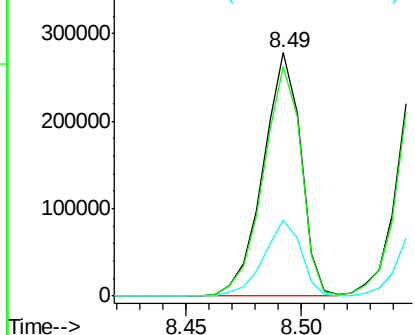


#42  
 2,4,6-Trichlorophenol  
 Concen: 61.15 ng  
 RT: 8.49 min Scan# 1123  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:196 Resp: 316624  
 Ion Ratio Lower Upper  
 196 100  
 198 94.2 74.2 111.4  
 200 31.2 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

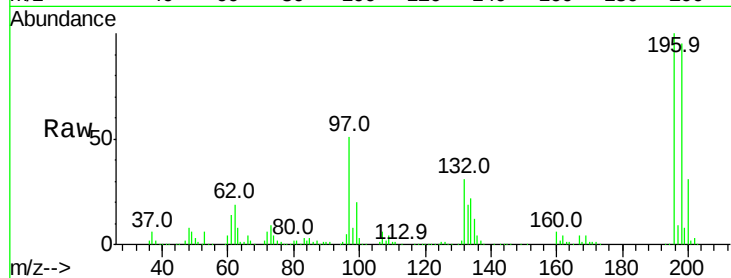




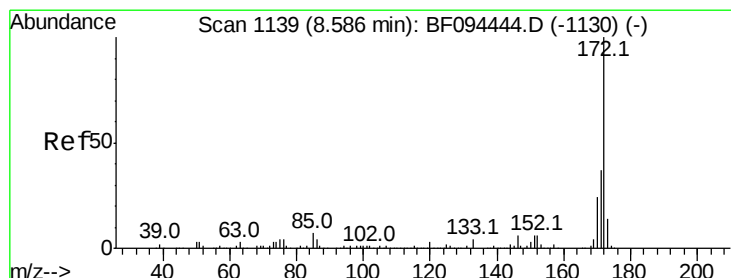
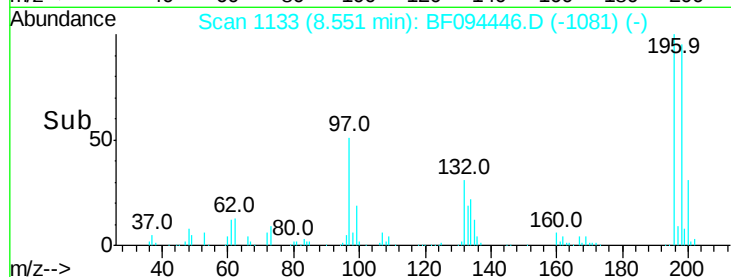
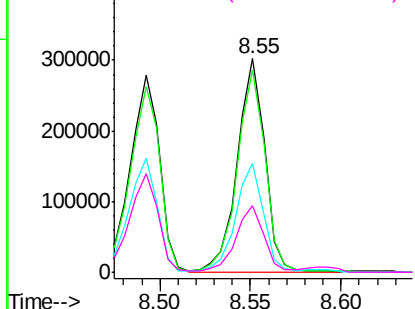
#43  
 2,4,5-Trichlorophenol  
 Concen: 57.02 ng  
 RT: 8.55 min Scan# 1133  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.0  | 75.7  | 113.5 |
| 97      | 50.9  | 47.7  | 71.5  |
| 132     | 31.5  | 28.0  | 42.0  |

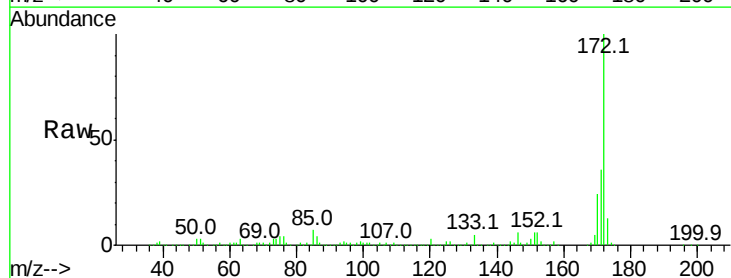


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

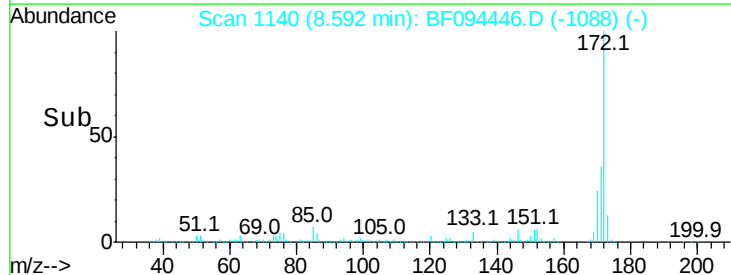
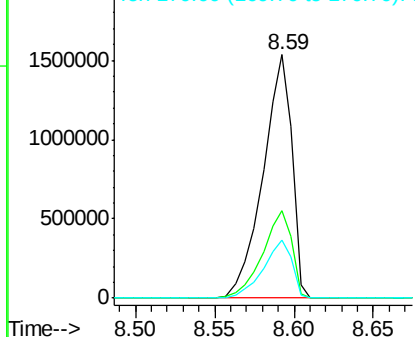


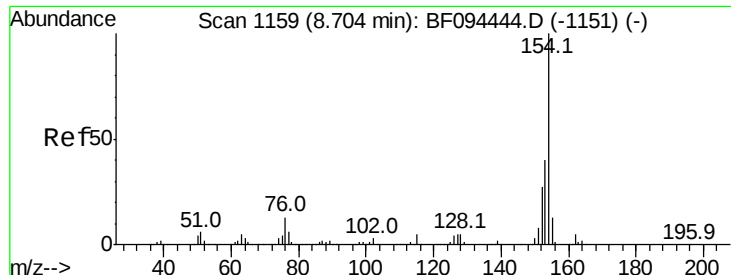
#44  
 2-Fluorobiphenyl  
 Concen: 111.33 ng  
 RT: 8.59 min Scan# 1140  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.6  | 44.4  |
| 170     | 23.9  | 19.8  | 29.8  |



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

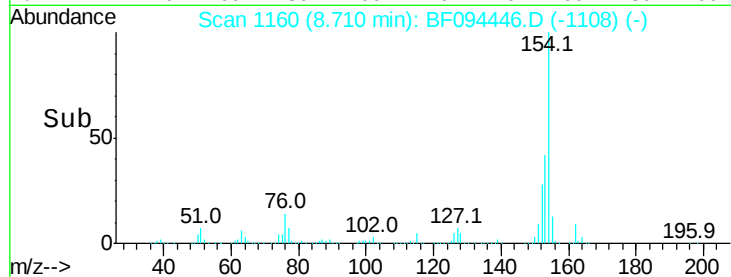
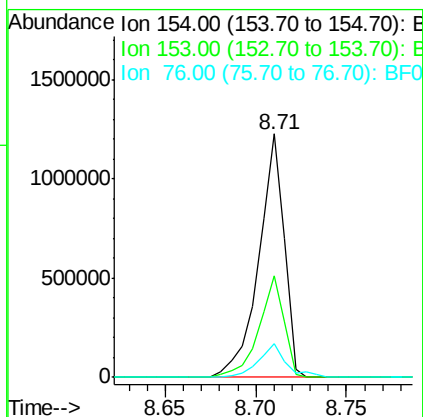
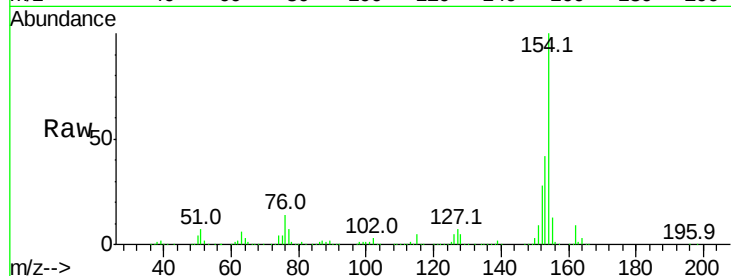




#45  
 1,1'-Biphenyl  
 Concen: 55.60 ng  
 RT: 8.71 min Scan# 1160  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

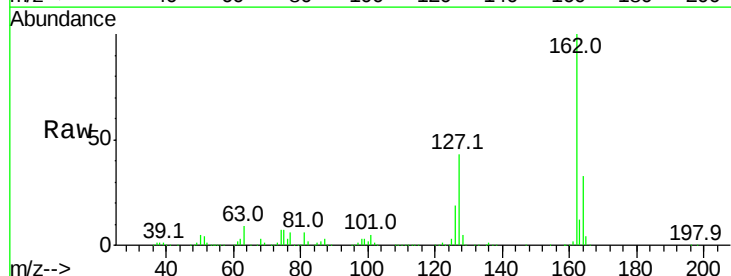
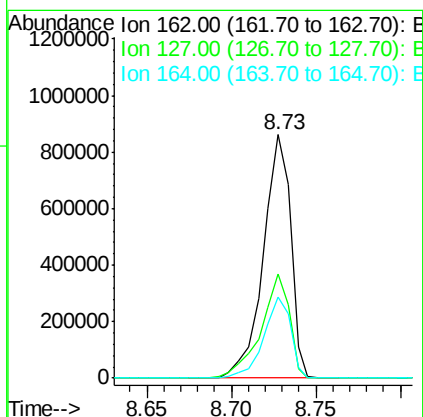
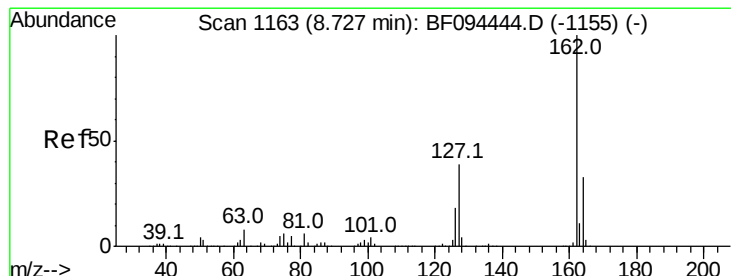
Instrument :  
 BNA\_F  
 ClientSampleId :

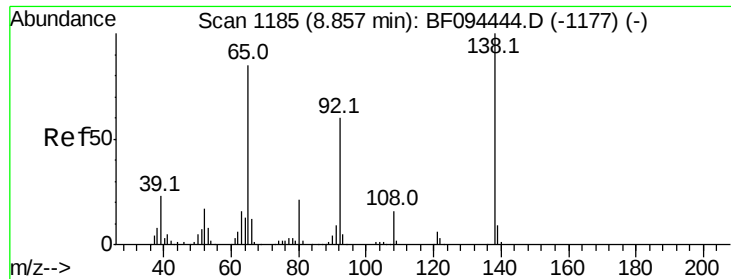
Tot Ion:154 Resp: 1199785  
 Ion Ratio Lower Upper  
 154 100  
 153 41.6 21.2 61.2  
 76 13.7 0.0 29.9



#46  
 2-Chloronaphthalene  
 Concen: 57.20 ng  
 RT: 8.73 min Scan# 1163  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:162 Resp: 966109  
 Ion Ratio Lower Upper  
 162 100  
 127 42.6 28.3 42.5#  
 164 33.3 27.0 40.4

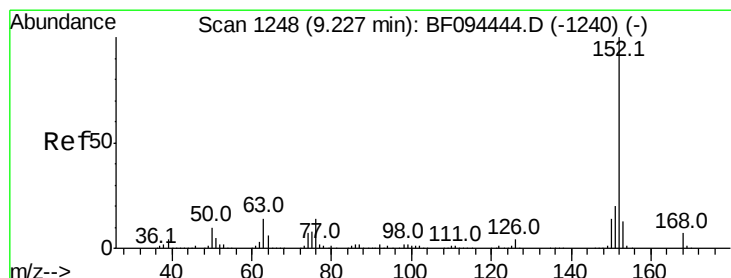
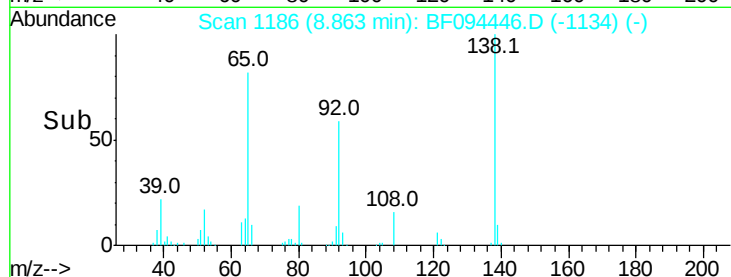
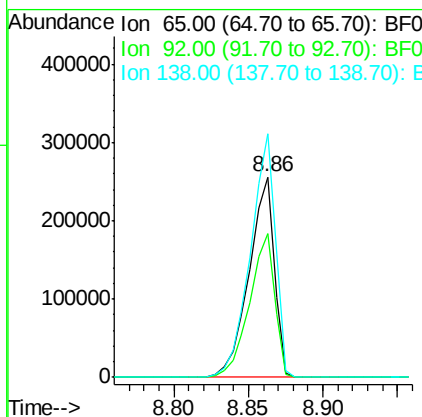
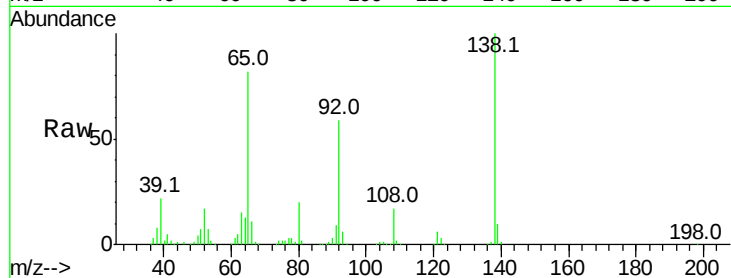




#47  
2-Nitroaniline  
Concen: 59.65 ng  
RT: 8.86 min Scan# 1186  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

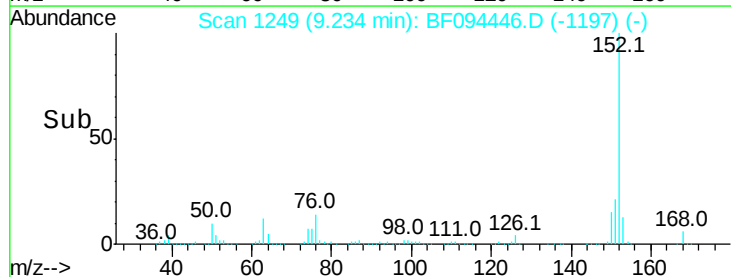
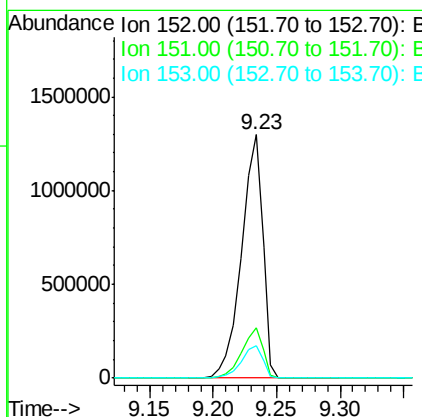
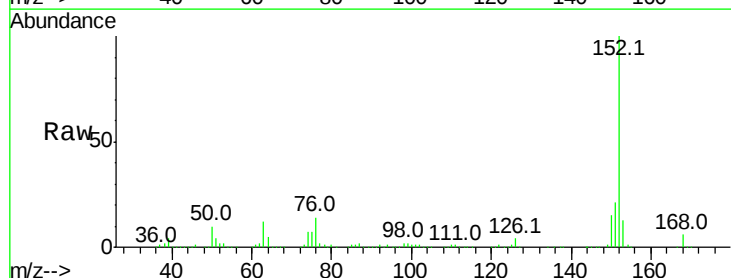
Instrument :  
BNA\_F  
ClientSampleId :

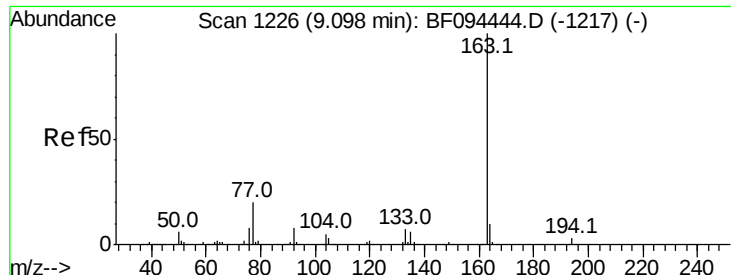
Tot Ion: 65 Resp: 298871  
Ion Ratio Lower Upper  
65 100  
92 71.8 53.9 80.9  
138 121.3 78.8 118.2#



#48  
Acenaphthylene  
Concen: 53.38 ng  
RT: 9.23 min Scan# 1249  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion: 152 Resp: 1498322  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.8 25.2  
153 13.3 10.8 16.2

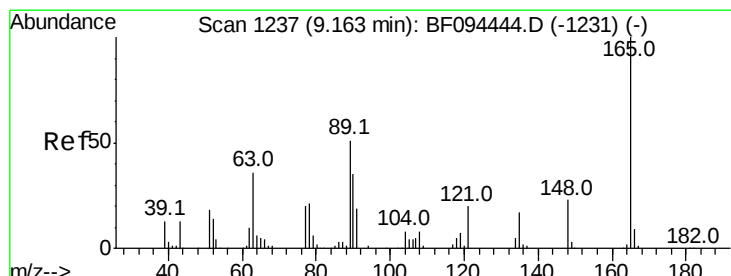
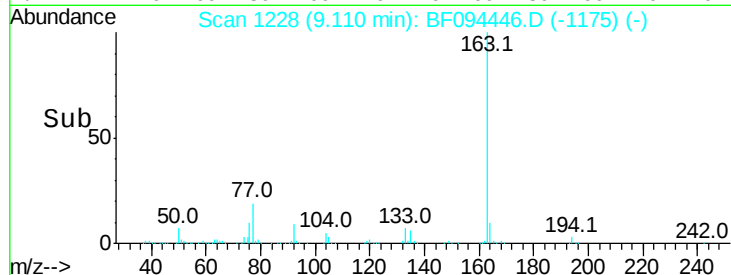
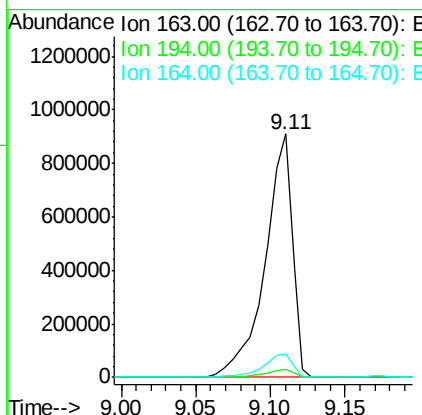
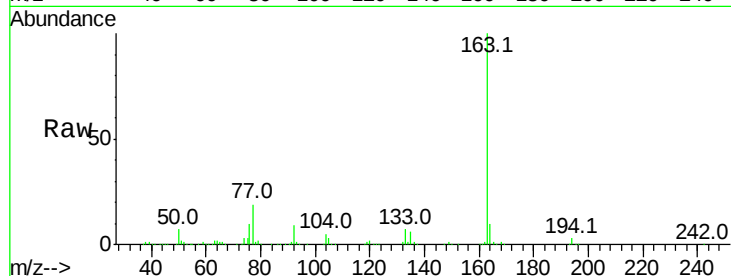




#49  
Dimethylphthalate  
Concen: 60.60 ng  
RT: 9.11 min Scan# 1228  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

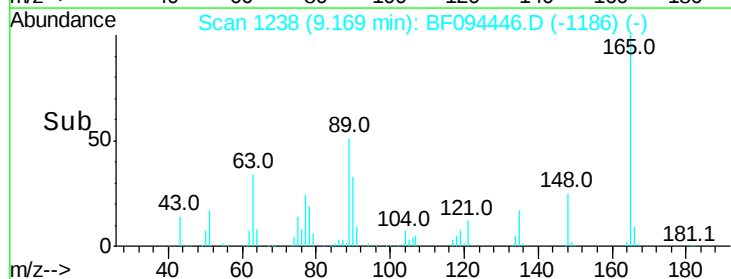
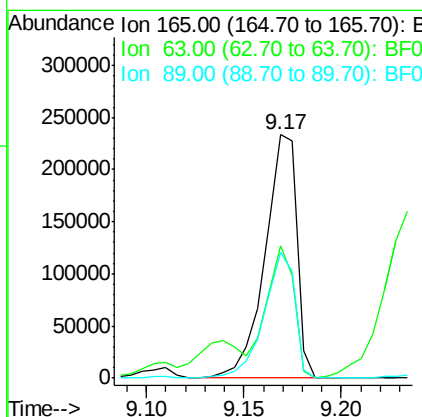
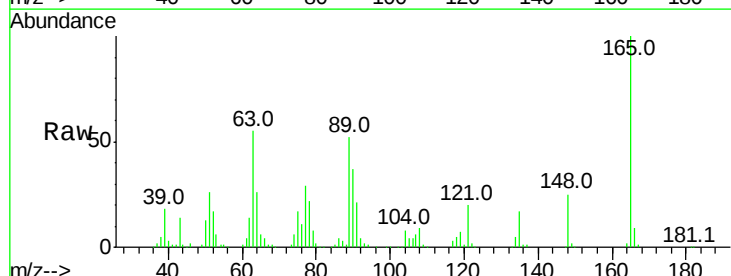
Instrument :  
BNA\_F  
ClientSampleId :

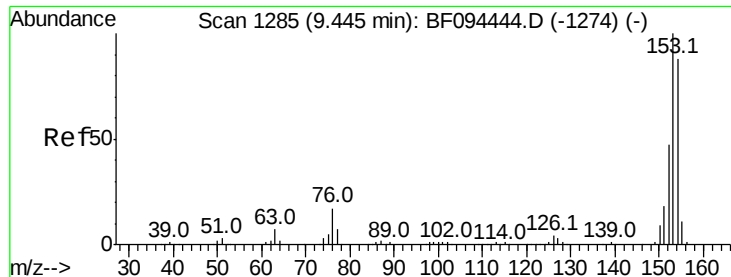
Tot Ion:163 Resp: 1152323  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 9.7 8.4 12.6



#50  
2,6-Dinitrotoluene  
Concen: 60.85 ng  
RT: 9.17 min Scan# 1238  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:165 Resp: 265246  
Ion Ratio Lower Upper  
165 100  
63 54.6 34.3 51.5#  
89 51.7 37.1 55.7





#51

Acenaphthene

Concen: 55.23 ng

RT: 9.45 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

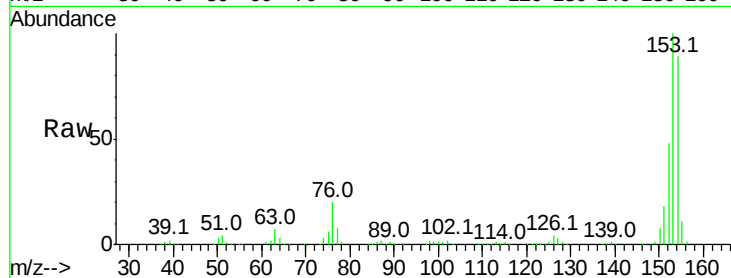
Tot Ion:154 Resp: 904656

Ion Ratio Lower Upper

154 100

153 112.1 90.5 135.7

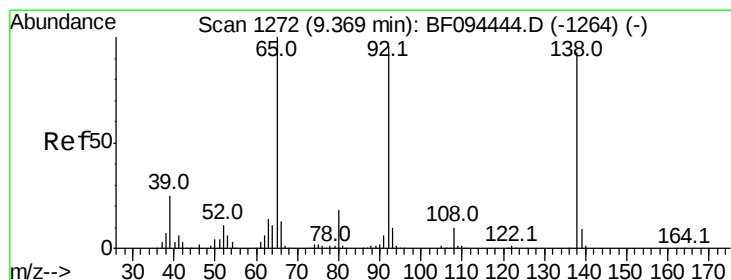
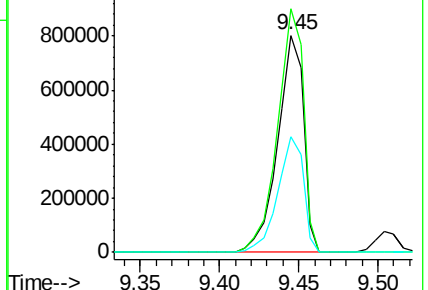
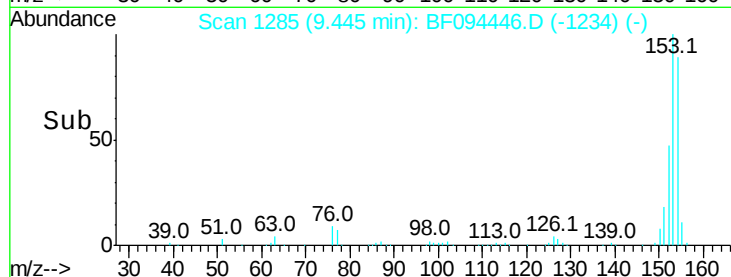
152 53.5 43.6 65.4



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: 59.46 ng

RT: 9.37 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

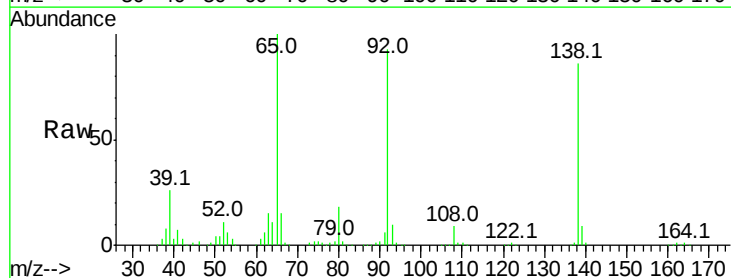
Tgt Ion:138 Resp: 304354

Ion Ratio Lower Upper

138 100

108 10.4 9.1 13.7

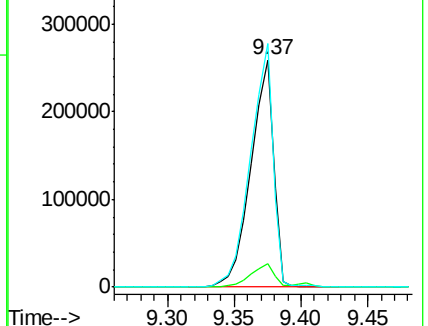
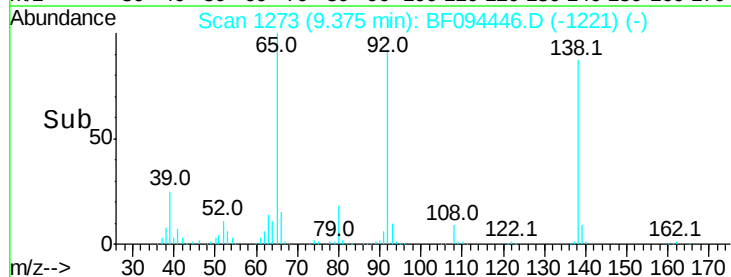
92 107.1 93.8 140.6

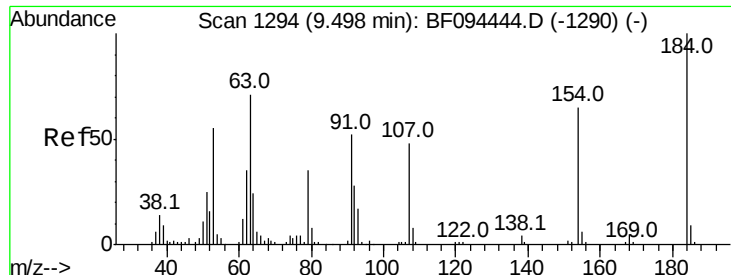


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

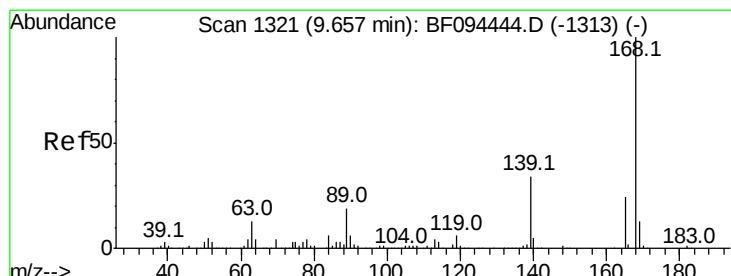
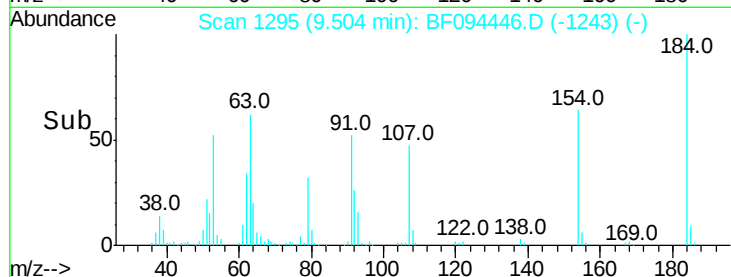
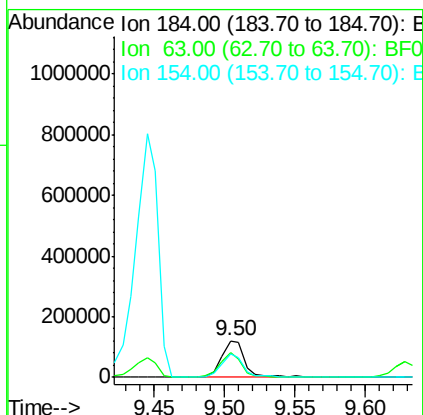
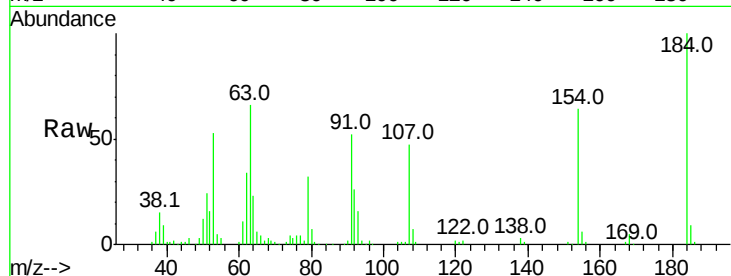




#53  
 2,4-Dinitrophenol  
 Concen: 68.41 ng  
 RT: 9.50 min Scan# 1295  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

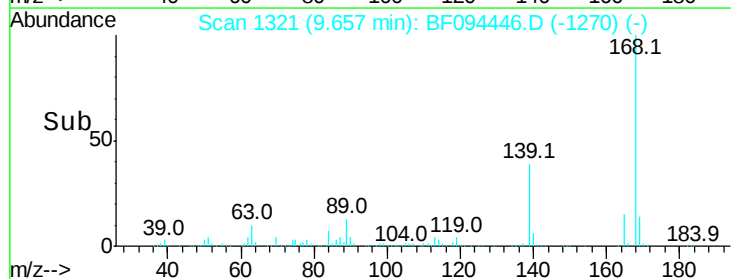
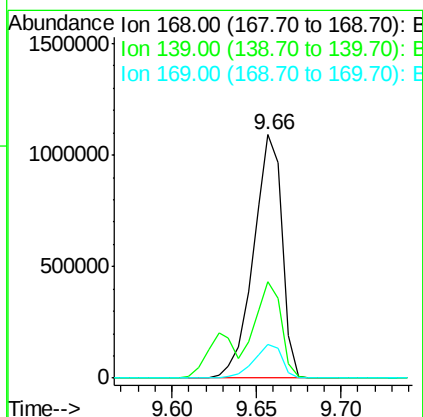
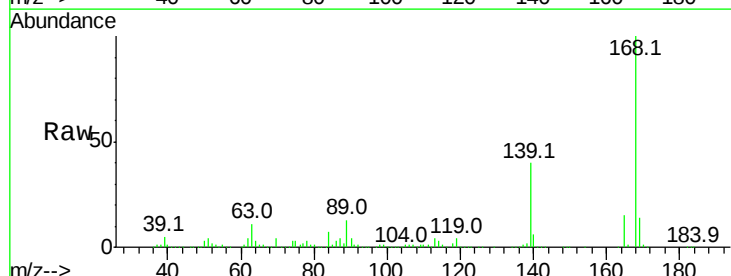
Instrument :  
 BNA\_F  
 ClientSampled :

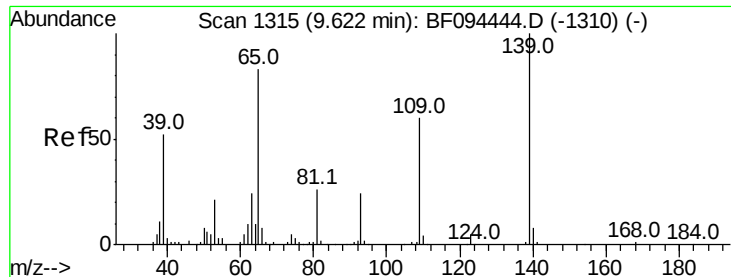
Tot Ion:184 Resp: 142112  
 Ion Ratio Lower Upper  
 184 100  
 63 66.4 62.7 94.1  
 154 64.2 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 57.68 ng  
 RT: 9.66 min Scan# 1321  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:168 Resp: 1286208  
 Ion Ratio Lower Upper  
 168 100  
 139 39.6 30.6 45.8  
 169 14.1 10.8 16.2





#55

4-Nitrophenol

Concen: 57.52 ng

RT: 9.63 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

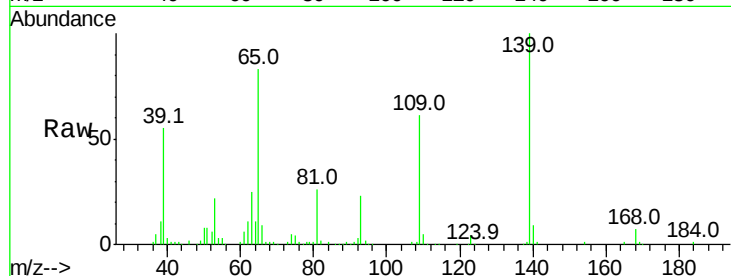
Tot Ion:139 Resp: 230556

Ion Ratio Lower Upper

139 100

109 60.5 34.1 74.1

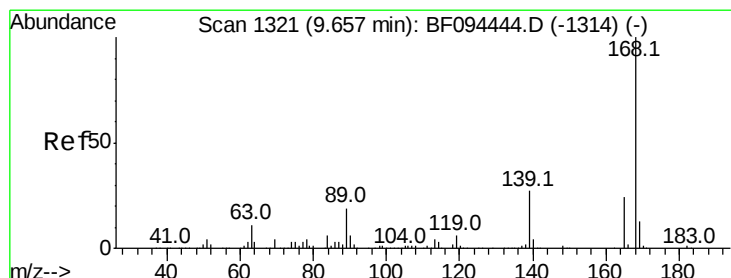
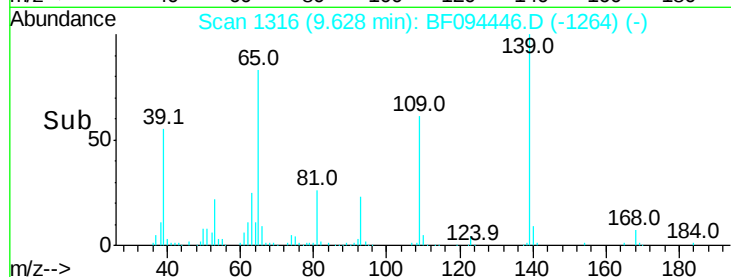
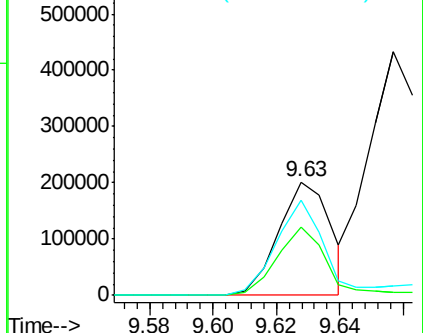
65 83.4 31.4 71.4#



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: 57.82 ng

RT: 9.67 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Tgt Ion:165 Resp: 316593

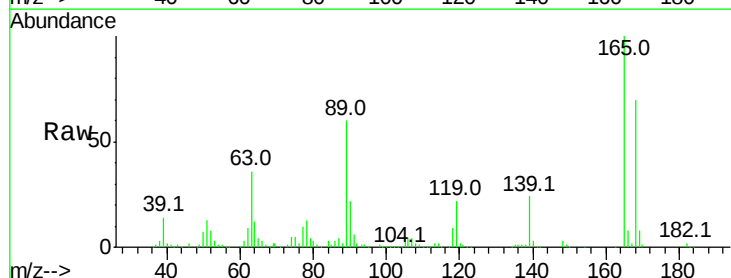
Ion Ratio Lower Upper

165 100

63 36.3 25.4 38.0

89 60.4 46.4 69.6

182 2.2 1.8 2.6

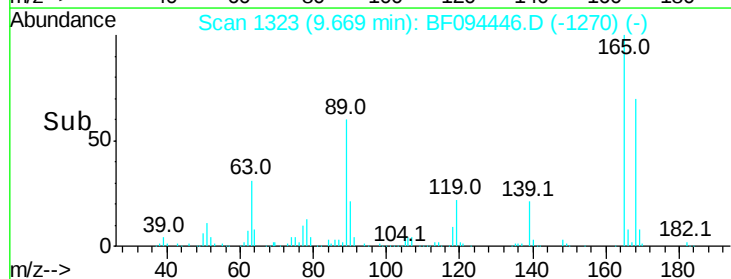
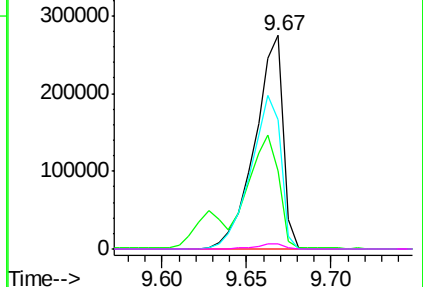


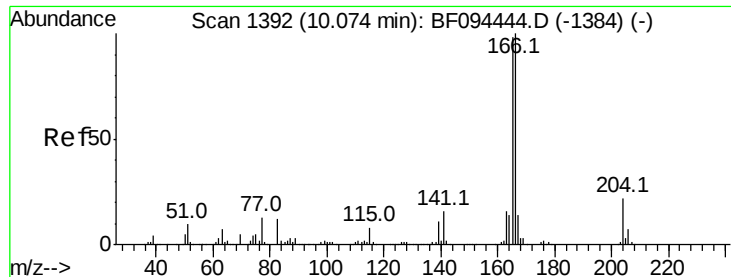
Abundance Ion 165.00 (164.70 to 165.70): E

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

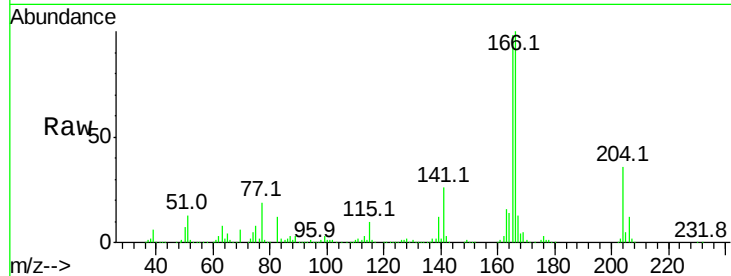




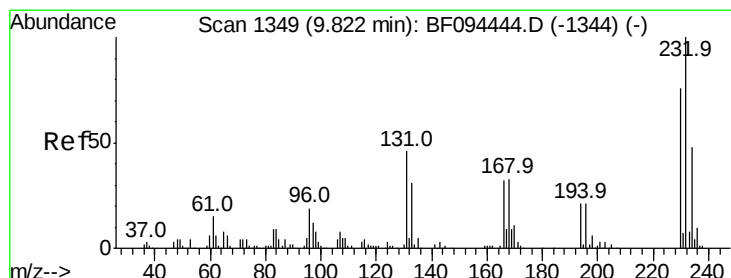
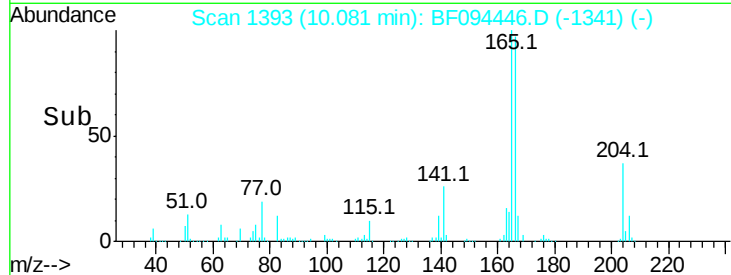
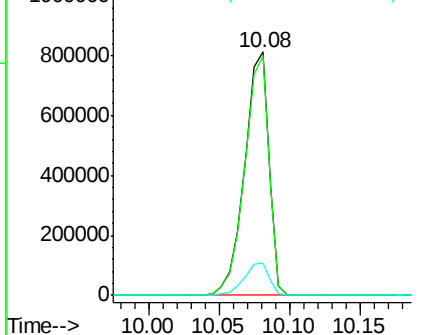
#57  
 Fluorene  
 Concen: 52.95 ng  
 RT: 10.08 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:166 Resp: 979071  
 Ion Ratio Lower Upper  
 166 100  
 165 98.5 78.8 118.2  
 167 13.4 10.6 16.0

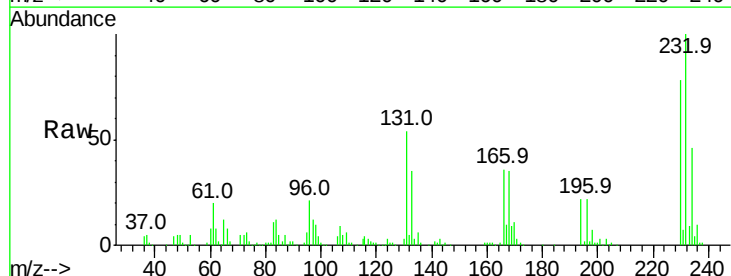


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

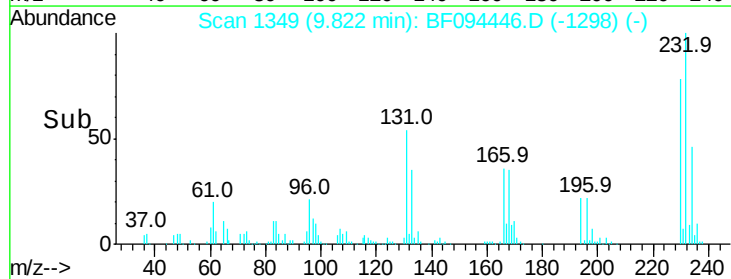
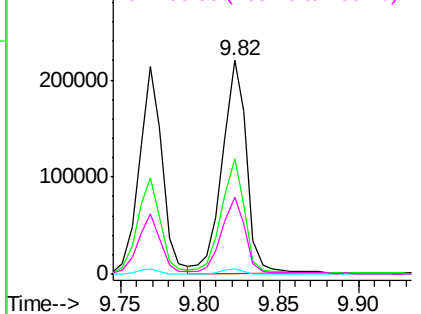


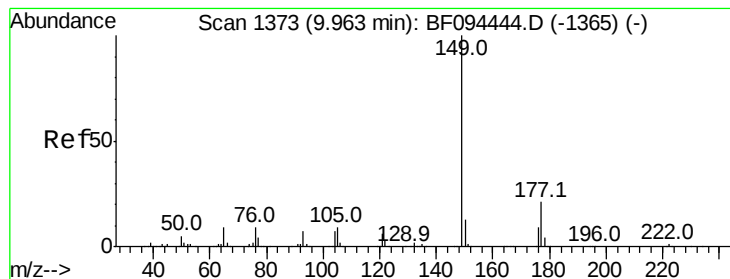
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 60.79 ng  
 RT: 9.82 min Scan# 1349  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:232 Resp: 233693  
 Ion Ratio Lower Upper  
 232 100  
 131 53.4 44.8 67.2  
 130 2.5 2.3 3.5  
 166 36.8 29.0 43.4



Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 57.28 ng

RT: 9.97 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

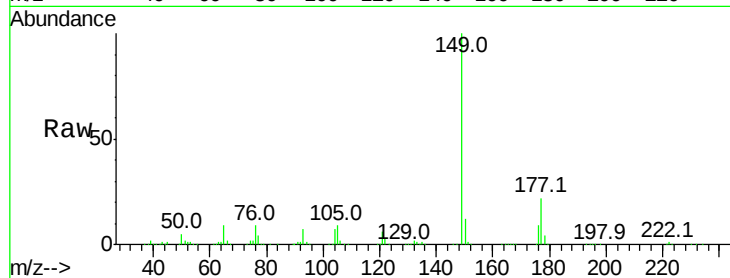
Tot Ion:149 Resp: 1076627

Ion Ratio Lower Upper

149 100

177 21.5 16.7 25.1

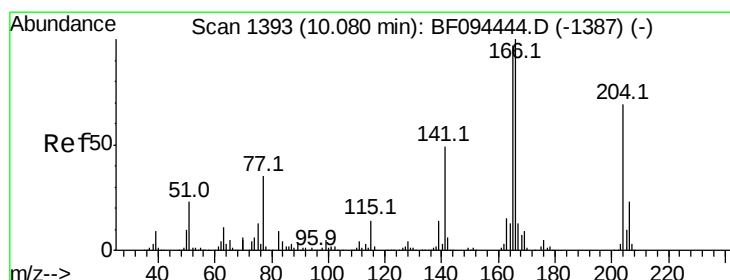
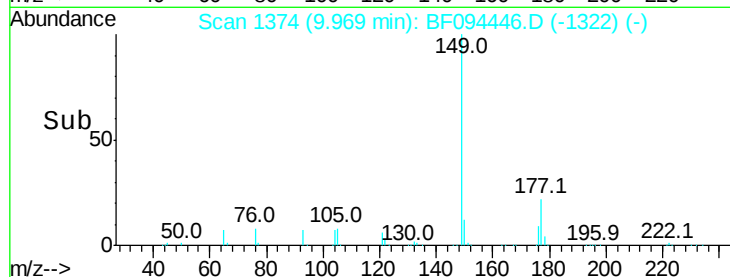
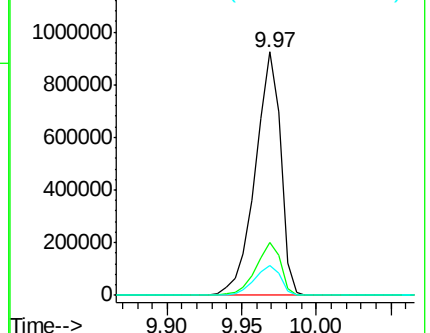
150 12.4 10.2 15.2



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: 53.01 ng

RT: 10.09 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

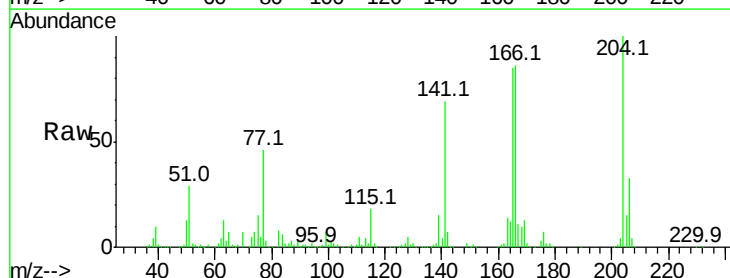
Tgt Ion:204 Resp: 417571

Ion Ratio Lower Upper

204 100

206 32.6 26.2 39.2

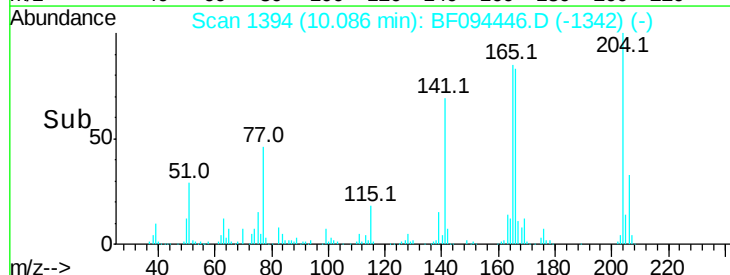
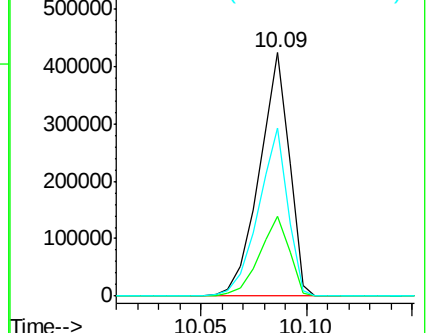
141 69.0 60.8 91.2

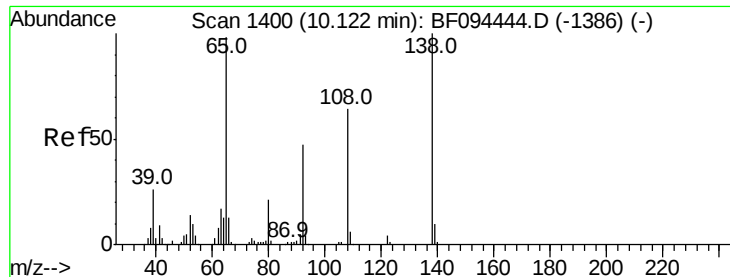


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

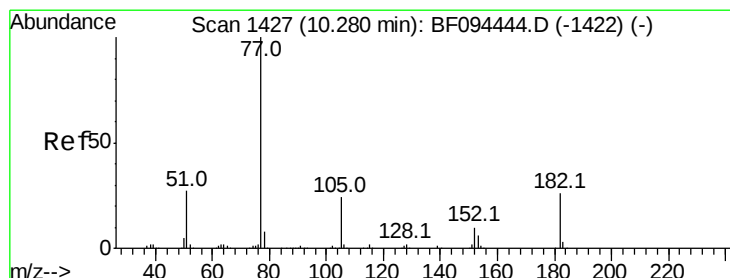
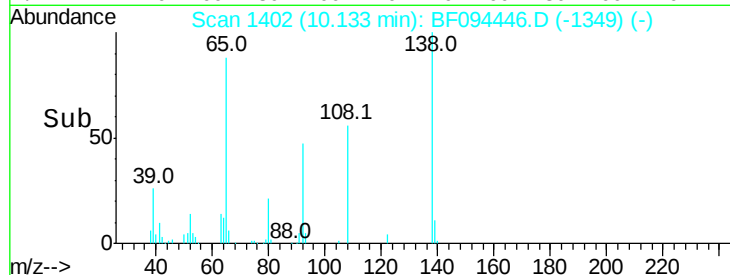
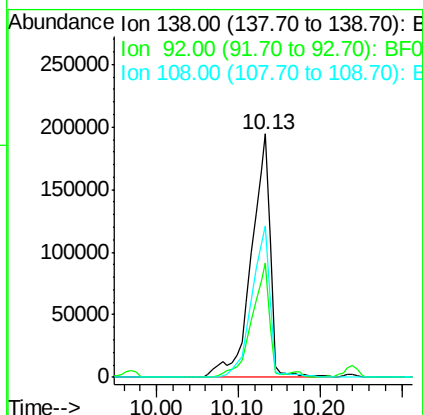
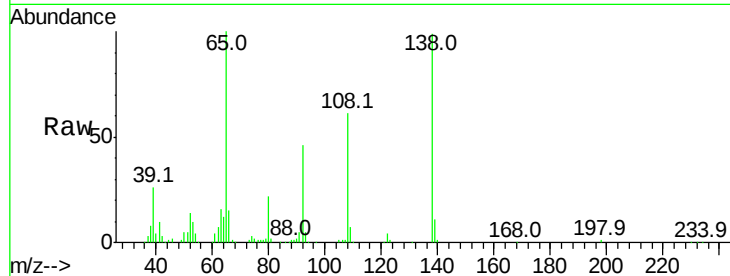




#61  
4-Nitroaniline  
Concen: 63.88 ng  
RT: 10.13 min Scan# 1402  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

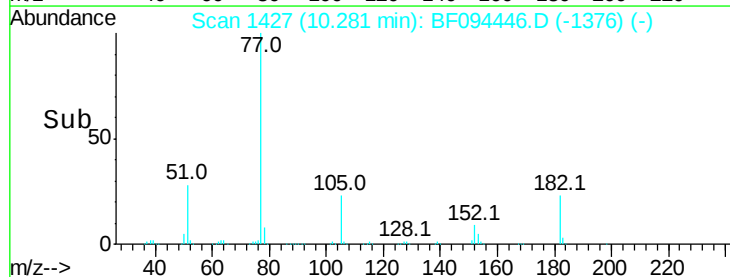
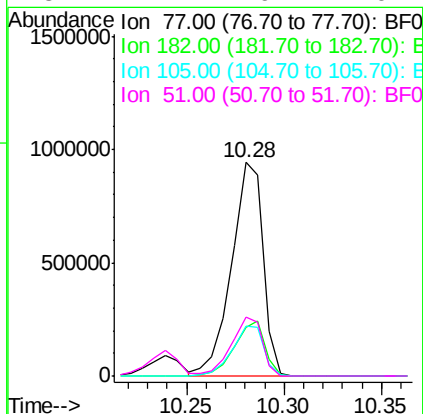
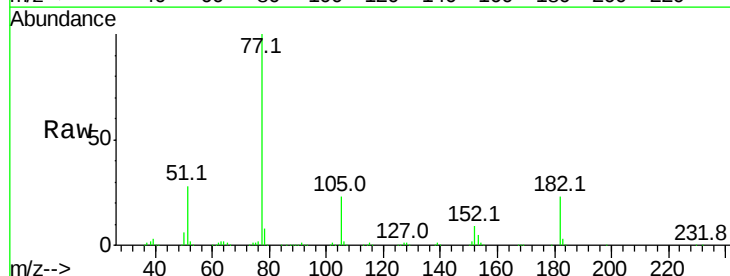
Instrument :  
BNA\_F  
ClientSampleId :

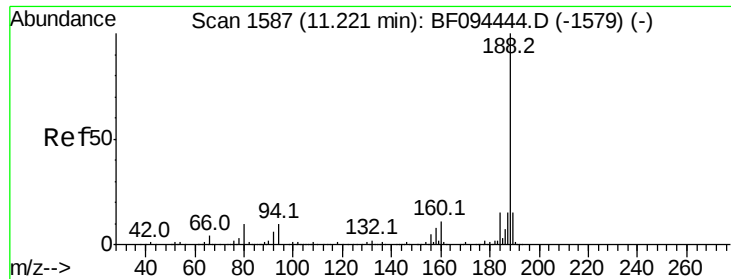
Tot Ion:138 Resp: 313784  
Ion Ratio Lower Upper  
138 100  
92 47.0 21.8 61.8  
108 62.2 42.3 82.3



#62  
Azobenzene  
Concen: 59.35 ng  
RT: 10.28 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion: 77 Resp: 1055116  
Ion Ratio Lower Upper  
77 100  
182 23.0 0.1 40.1  
105 23.4 3.6 43.6  
51 27.7 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

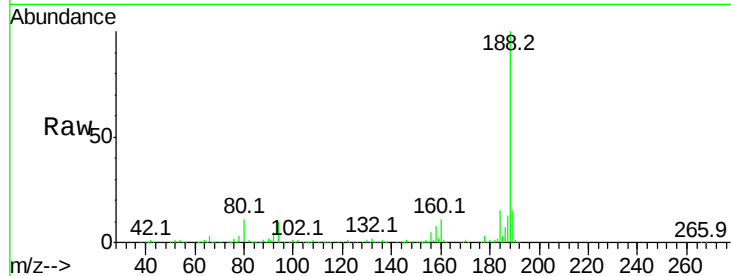
Tot Ion:188 Resp: 468922

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

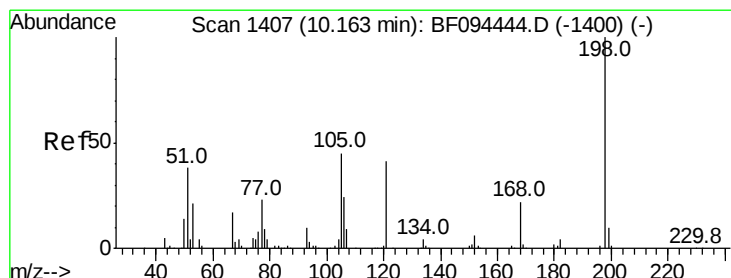
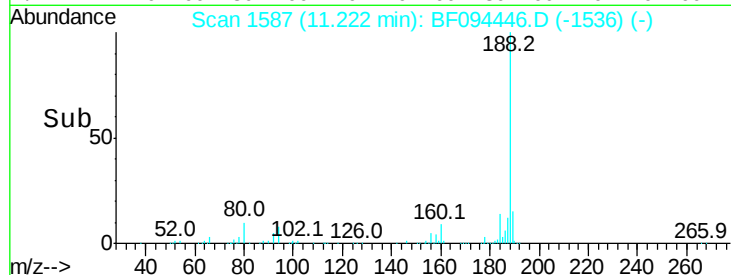
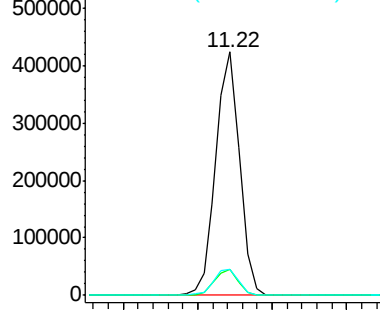
80 10.6 10.2 15.2



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: 66.45 ng

RT: 10.17 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

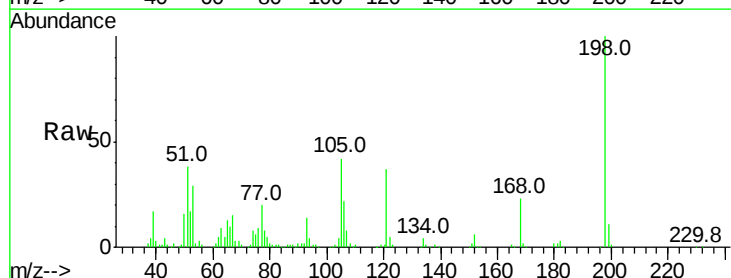
Tgt Ion:198 Resp: 190832

Ion Ratio Lower Upper

198 100

51 37.9 53.2 93.2#

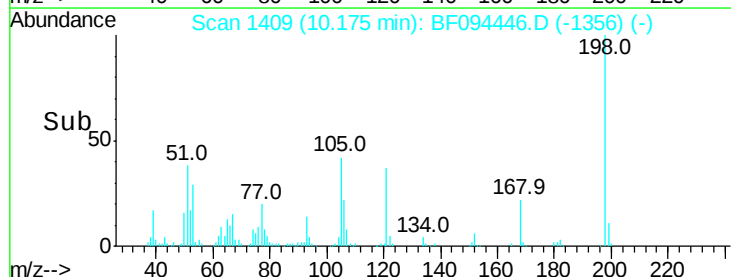
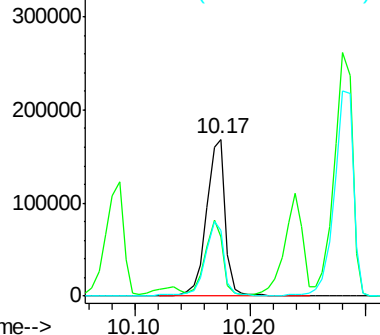
105 41.8 45.8 85.8#

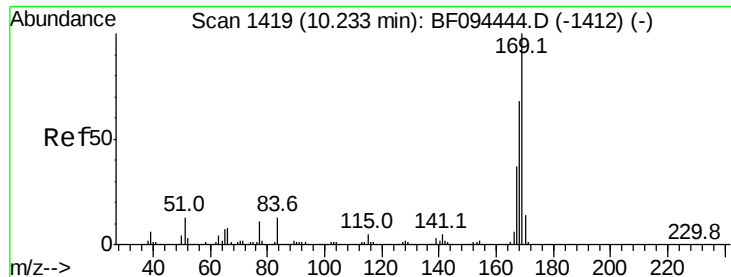


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

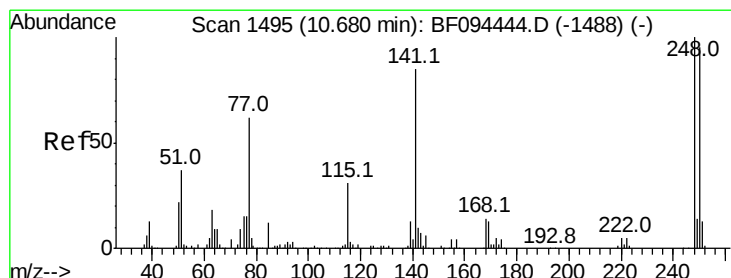
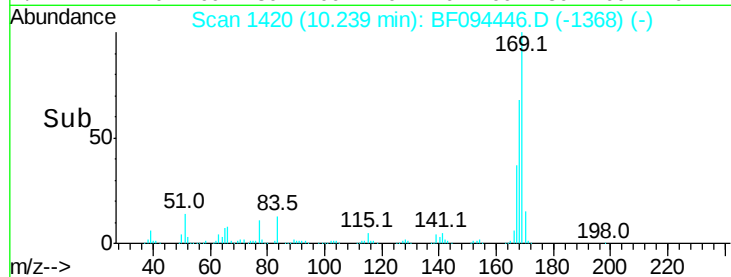
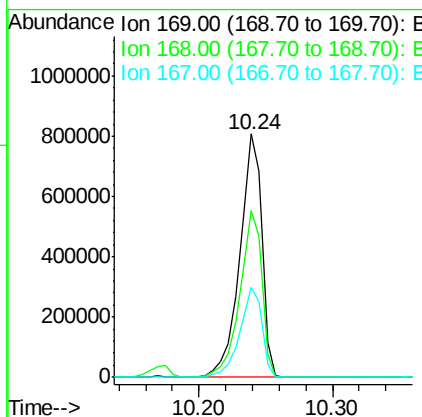
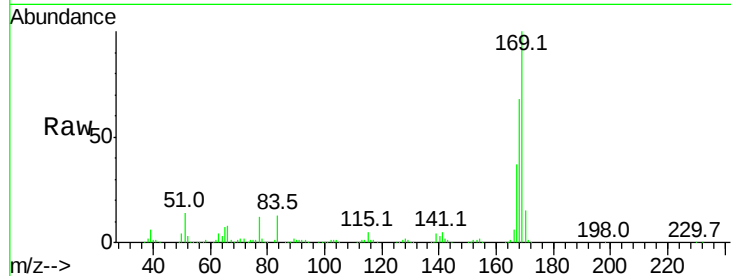




#65  
n-Nitrosodiphenylamine  
Concen: 56.97 ng  
RT: 10.24 min Scan# 1420  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

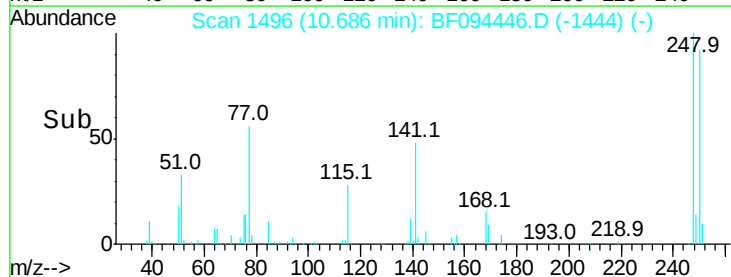
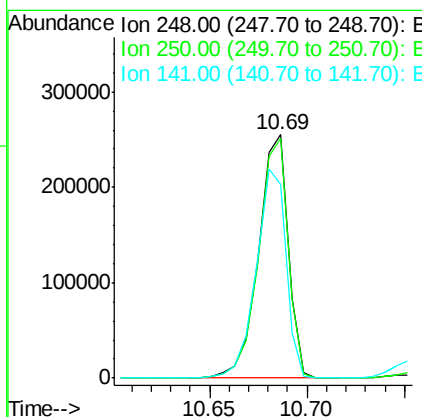
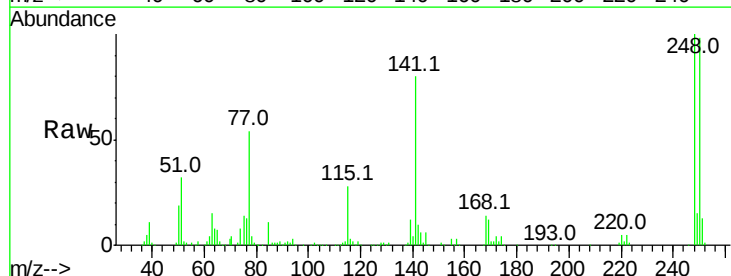
Instrument :  
BNA\_F  
ClientSampleId :

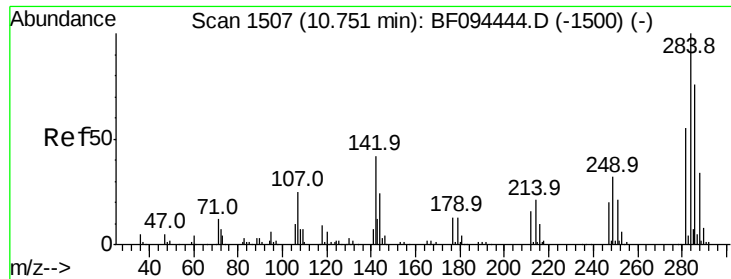
Tot Ion:169 Resp: 923845  
Ion Ratio Lower Upper  
169 100  
168 68.3 53.2 79.8  
167 37.0 29.5 44.3



#66  
4-Bromophenyl-phenylether  
Concen: 58.31 ng  
RT: 10.69 min Scan# 1496  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:248 Resp: 268916  
Ion Ratio Lower Upper  
248 100  
250 98.2 76.8 115.2  
141 79.8 68.6 103.0

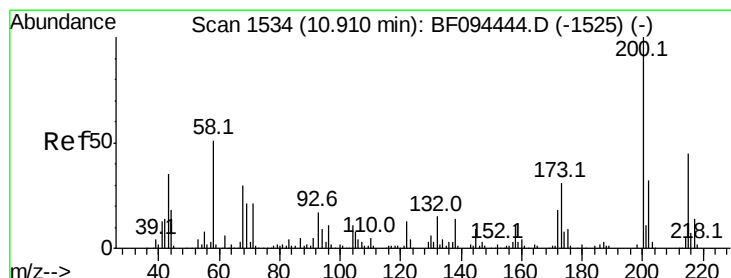
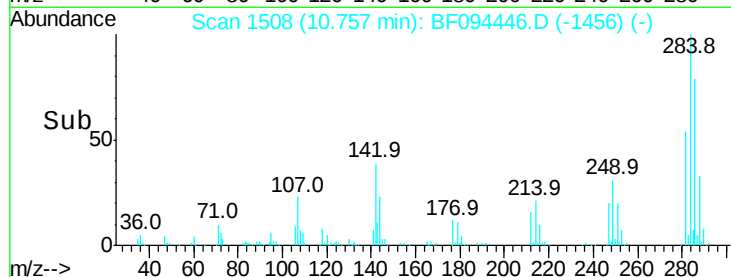
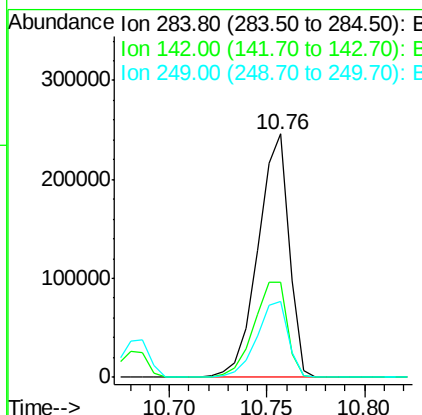
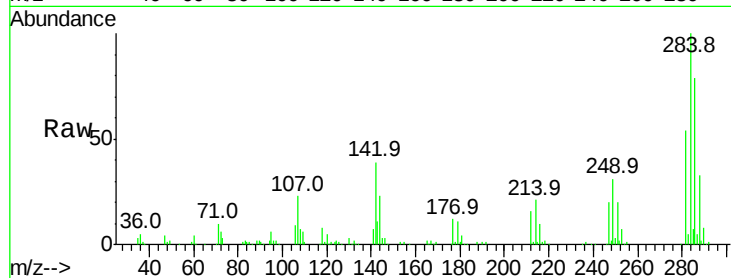




#67  
Hexachlorobenzene  
Concen: 57.85 ng  
RT: 10.76 min Scan# 1508  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

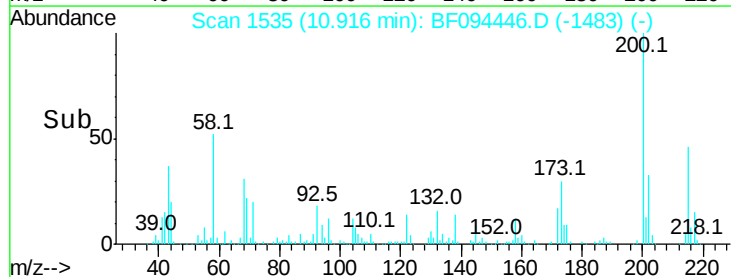
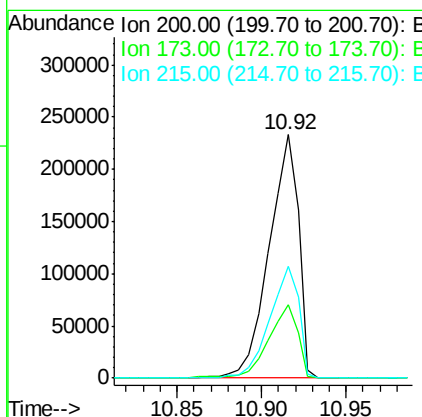
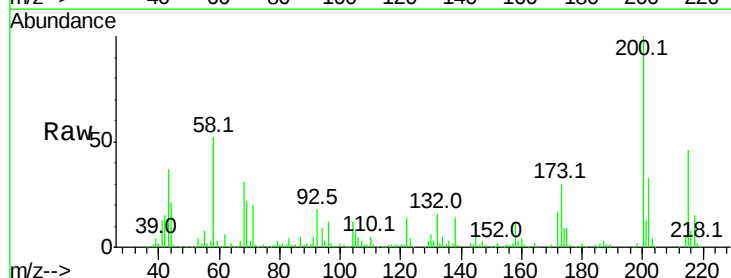
Instrument :  
BNA\_F  
ClientSampleId :

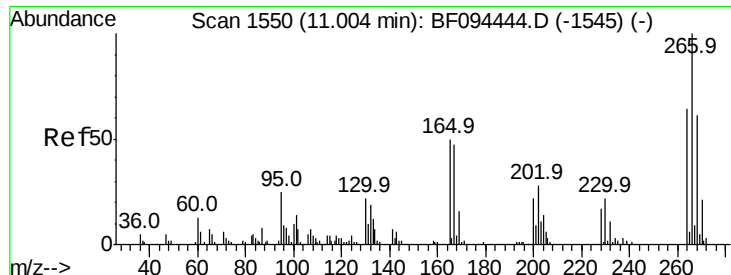
Tot Ion:284 Resp: 270073  
Ion Ratio Lower Upper  
284 100  
142 38.9 22.8 34.2#  
249 31.3 24.0 36.0



#68  
Atrazine  
Concen: 58.02 ng  
RT: 10.92 min Scan# 1535  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:200 Resp: 281808  
Ion Ratio Lower Upper  
200 100  
173 30.0 6.3 46.3  
215 45.7 27.2 67.2

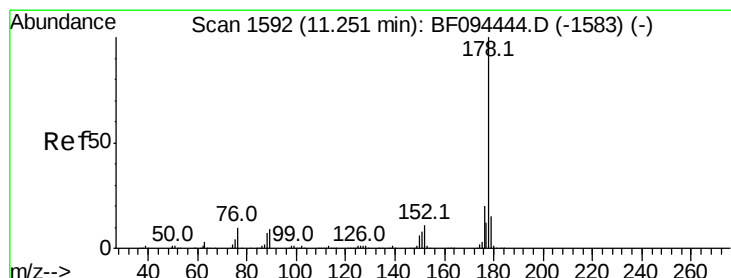
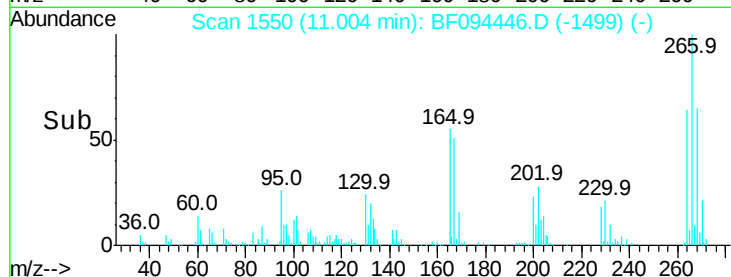
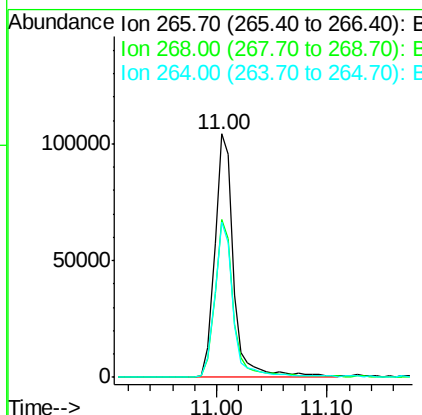
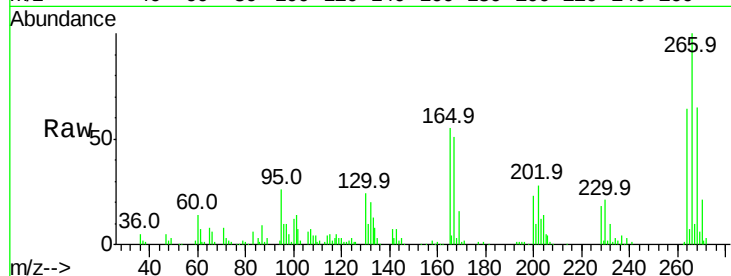




#69  
 Pentachlorophenol  
 Concen: 42.30 ng  
 RT: 11.00 min Scan# 1550  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

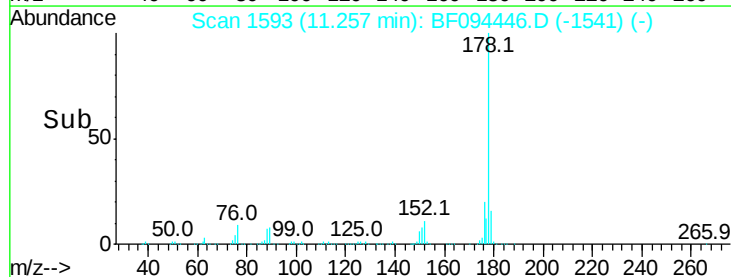
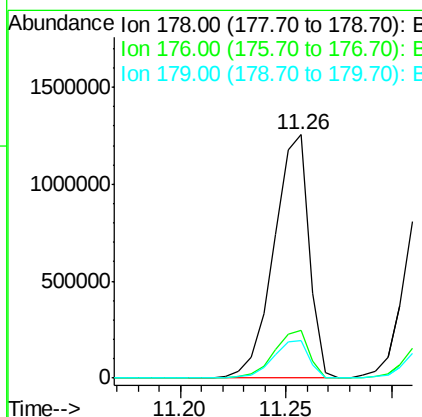
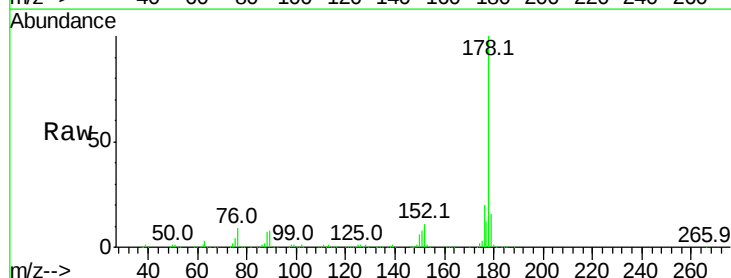
Instrument :  
 BNA\_F  
 ClientSampleId :

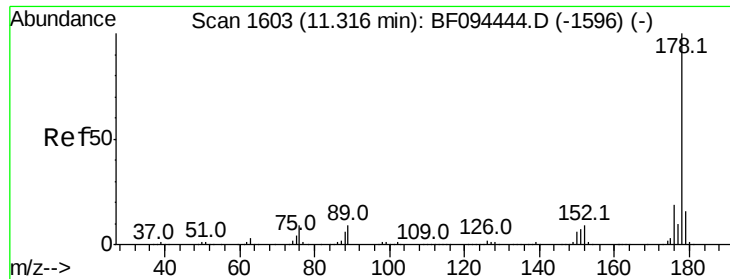
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.9  | 51.1  | 76.7  |
| 264     | 63.6  | 51.7  | 77.5  |



#70  
 Phenanthrene  
 Concen: 55.90 ng  
 RT: 11.26 min Scan# 1593  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 16.2  | 24.4  |
| 179     | 15.7  | 12.6  | 19.0  |

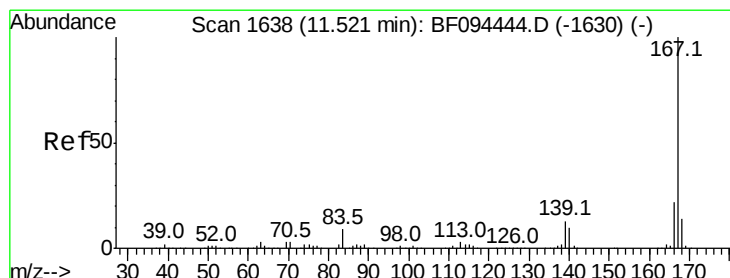
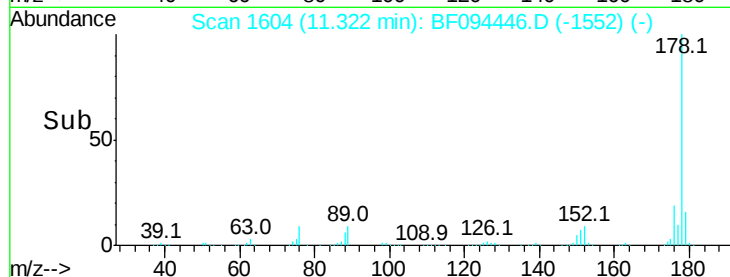
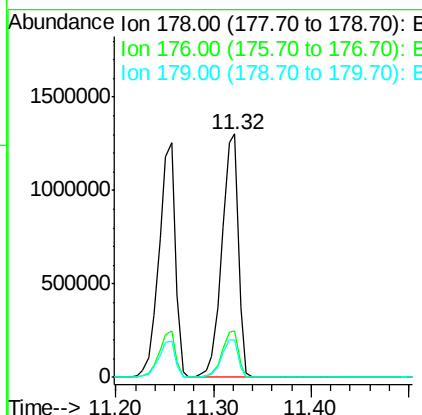
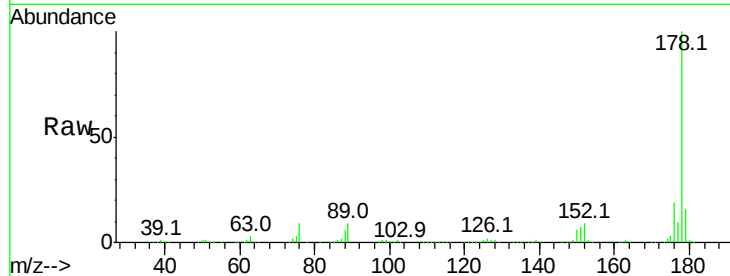




#71  
 Anthracene  
 Concen: 56.66 ng  
 RT: 11.32 min Scan# 1604  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

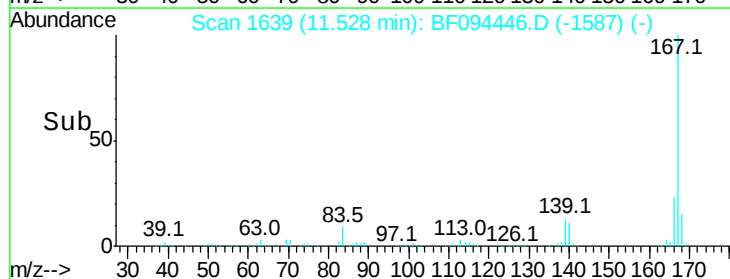
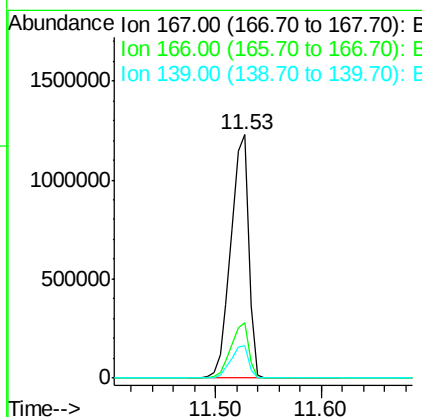
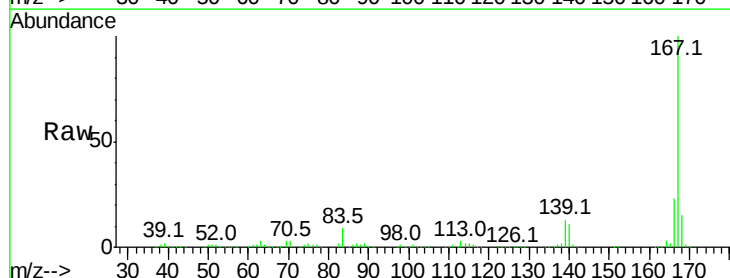
Instrument :  
 BNA\_F  
 ClientSampleId :

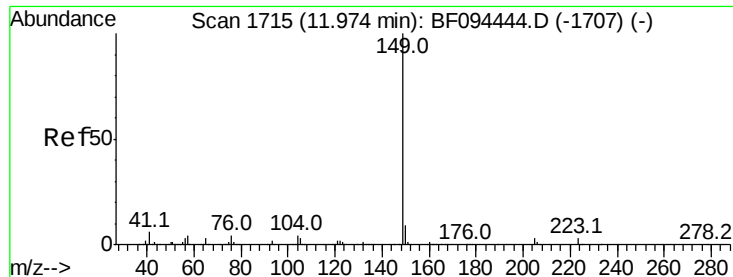
Tot Ion:178 Resp: 1521679  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.8 23.8  
 179 15.5 12.7 19.1



#72  
 Carbazole  
 Concen: 51.88 ng  
 RT: 11.53 min Scan# 1639  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:167 Resp: 1428834  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 18.1 27.1  
 139 13.3 11.7 17.5





#73

Di-n-butylphthalate

Concen: 56.48 ng

RT: 11.97 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :

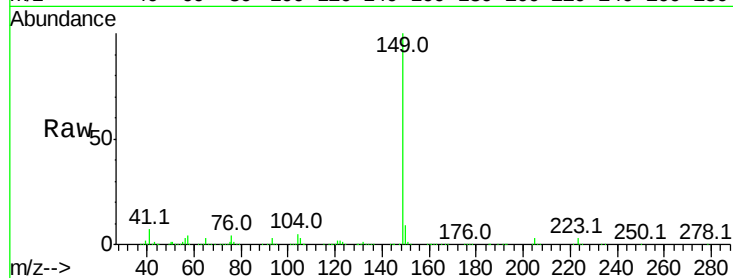
Tot Ion:149 Resp: 1617574

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

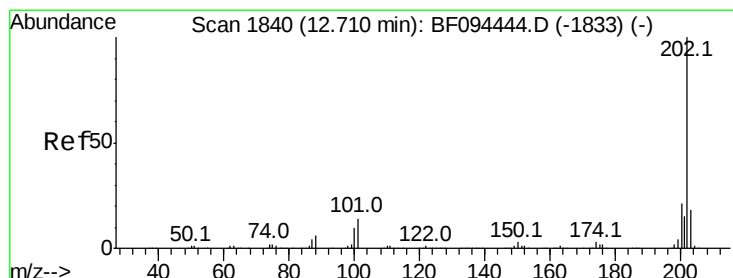
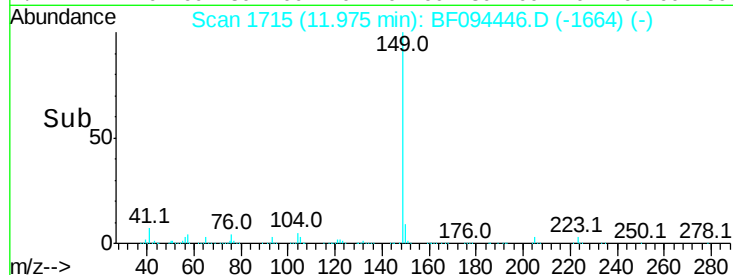
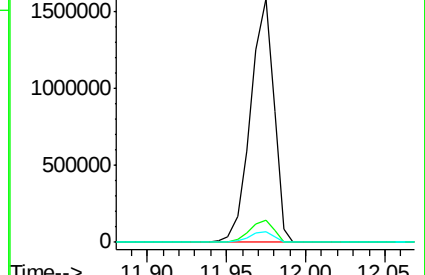
104 4.5 4.0 6.0



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: 56.99 ng

RT: 12.72 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

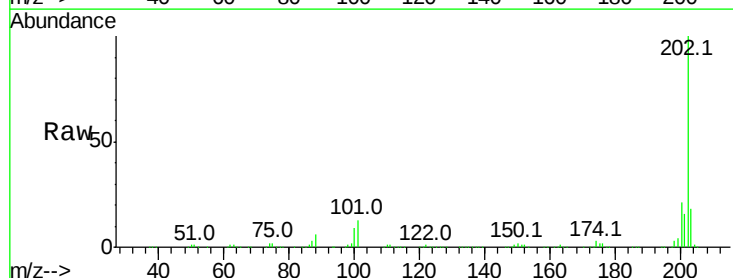
Tgt Ion:202 Resp: 1522326

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

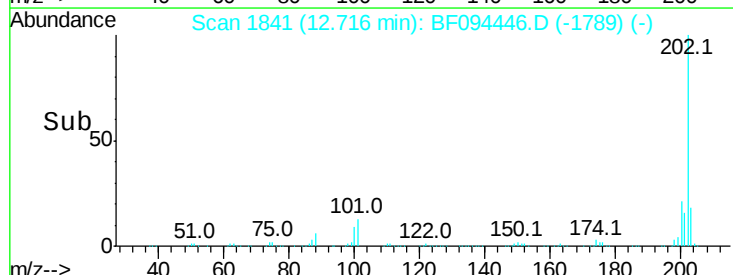
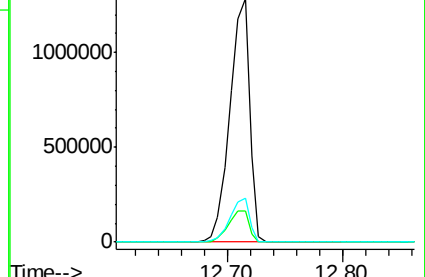
203 17.8 0.0 38.1

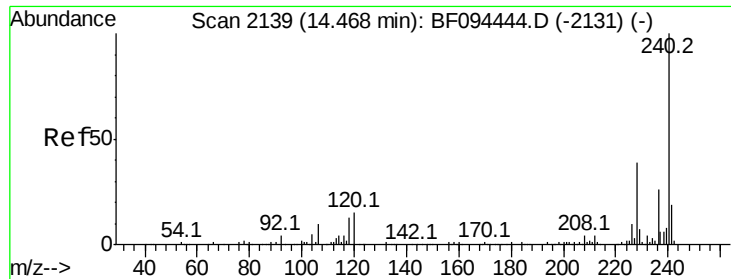


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

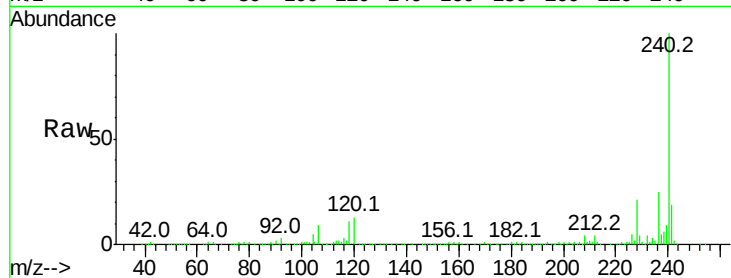




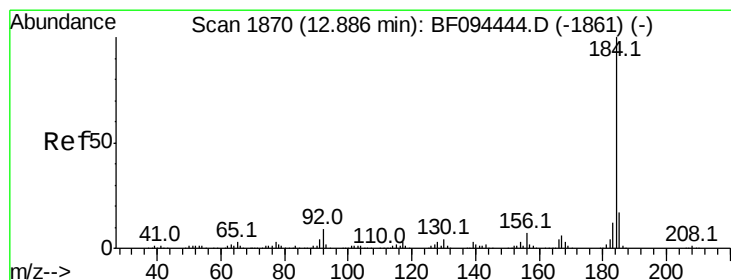
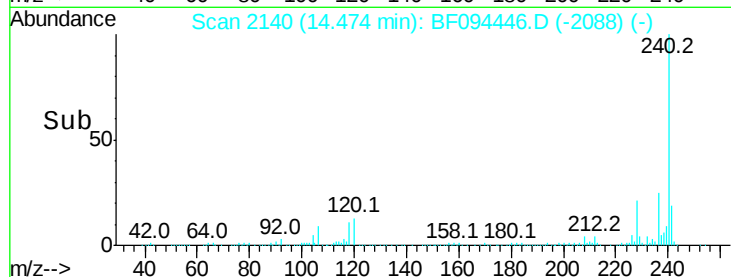
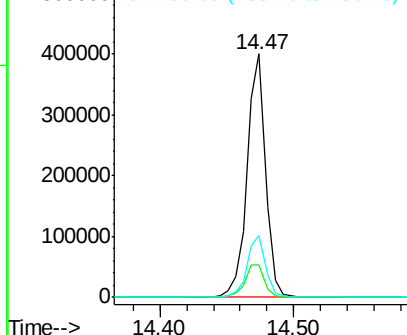
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.47 min Scan# 2140  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:240 Resp: 377967  
 Ion Ratio Lower Upper  
 240 100  
 120 13.1 5.8 8.8#  
 236 25.4 20.5 30.7

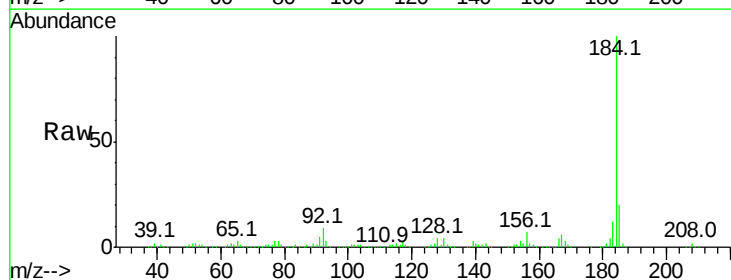


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

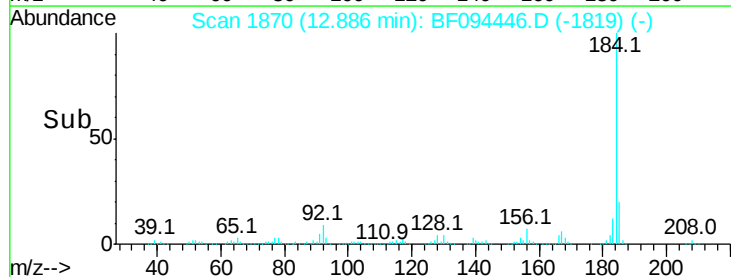
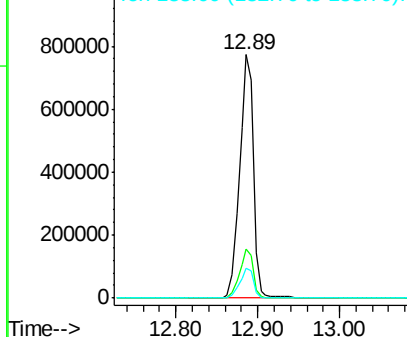


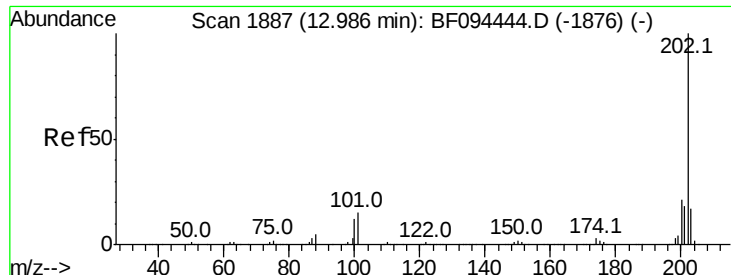
#76  
 Benzidine  
 Concen: 61.12 ng  
 RT: 12.89 min Scan# 1870  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:184 Resp: 914298  
 Ion Ratio Lower Upper  
 184 100  
 185 20.3 15.5 23.3  
 183 12.5 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 185.00 (184.70 to 185.70): E  
 Ion 183.00 (182.70 to 183.70): E

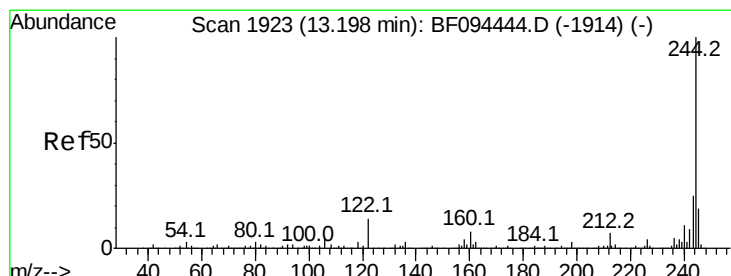
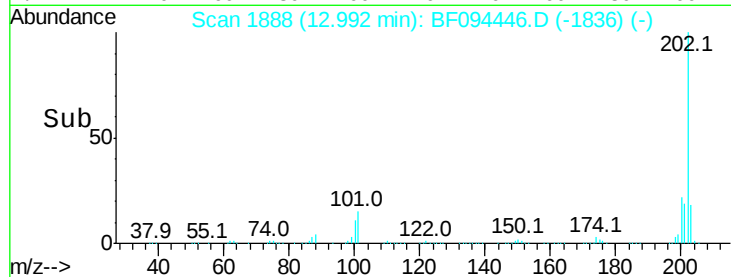
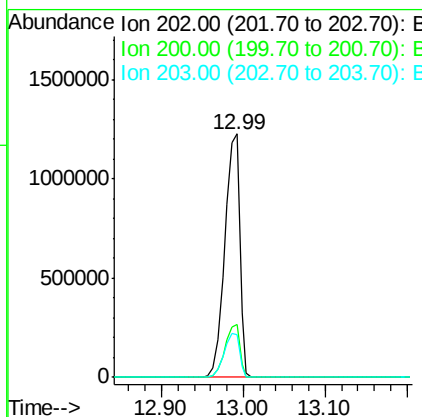
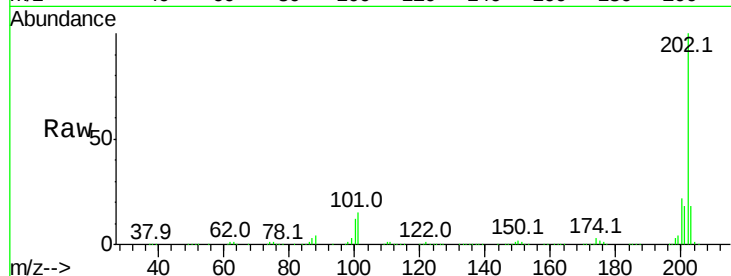




#77  
Pvrene  
Concen: 56.75 ng  
RT: 12.99 min Scan# 1888  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

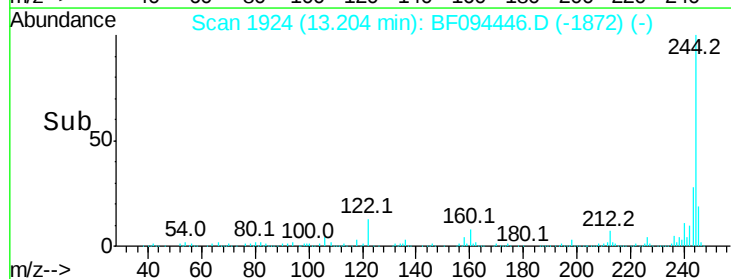
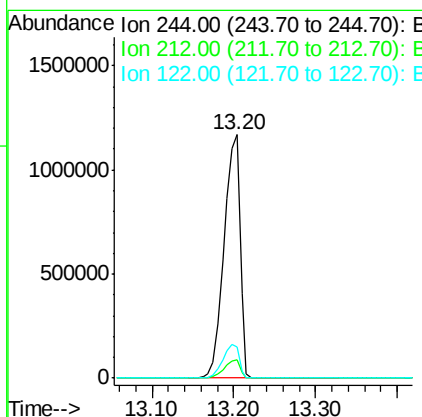
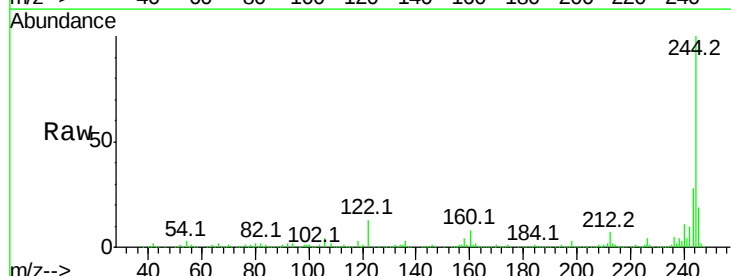
Instrument :  
BNA\_F  
ClientSampleId :

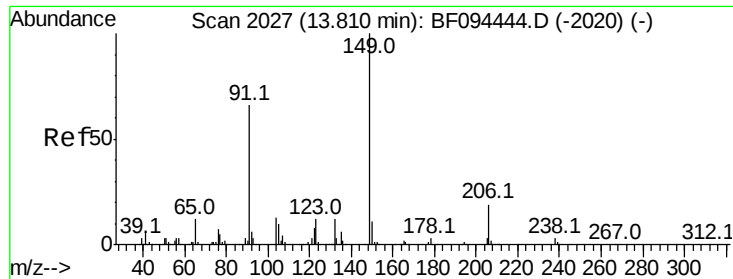
Tot Ion:202 Resp: 1556560  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.6 26.4  
203 17.6 14.4 21.6



#78  
Terphenyl-d14  
Concen: 94.48 ng  
RT: 13.20 min Scan# 1924  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:244 Resp: 1593124  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 12.6 10.3 15.5

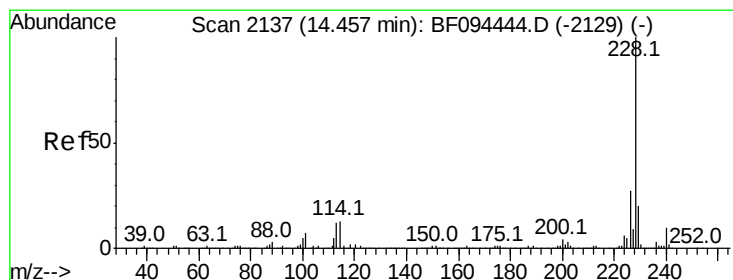
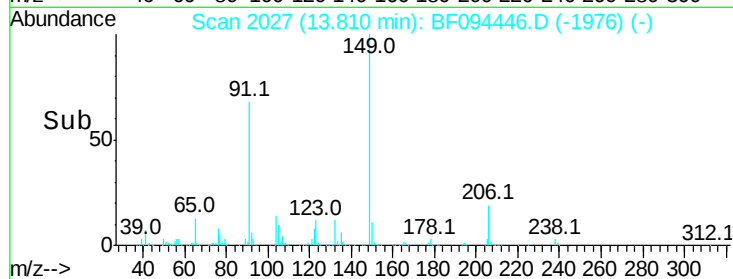
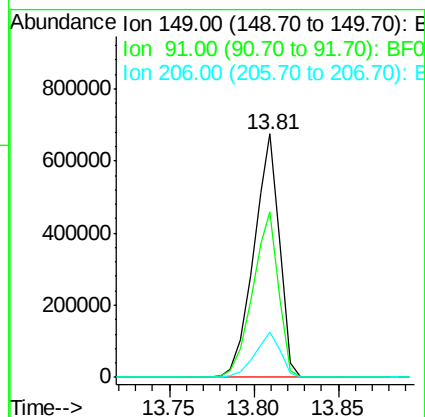
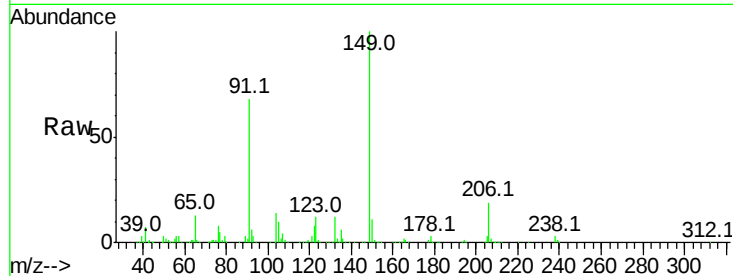




#79  
Butylbenzylphthalate  
Concen: 60.72 ng  
RT: 13.81 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

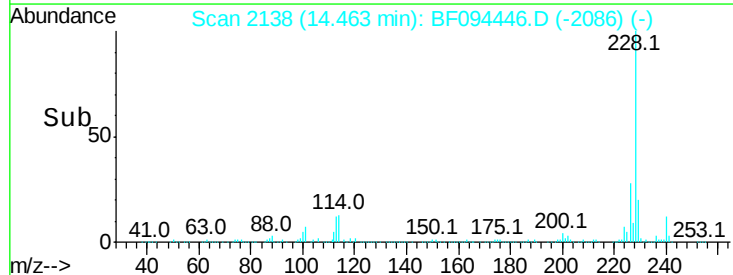
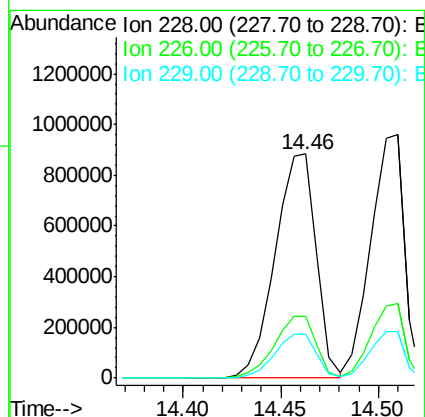
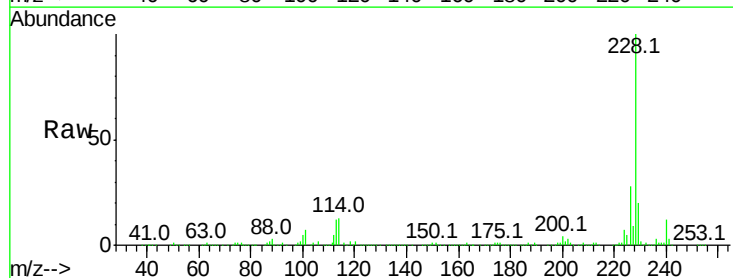
Instrument :  
BNA\_F  
ClientSampled :

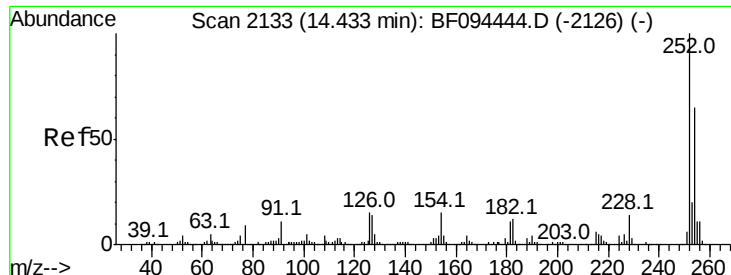
Tot Ion:149 Resp: 709672  
Ion Ratio Lower Upper  
149 100  
91 68.1 45.0 67.4#  
206 18.8 17.0 25.6



#80  
Benzo(a)anthracene  
Concen: 58.25 ng  
RT: 14.46 min Scan# 2138  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:228 Resp: 1283783  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.6 33.8  
229 19.7 16.3 24.5

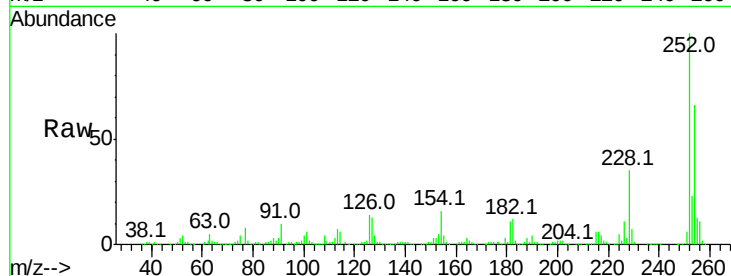




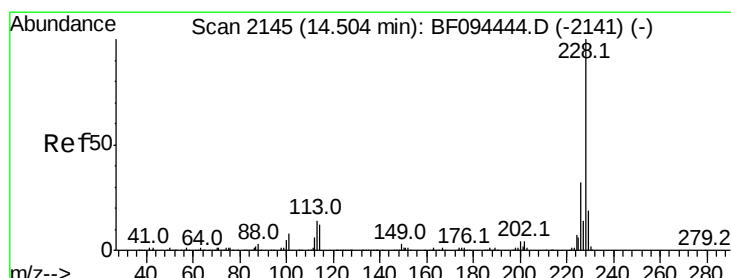
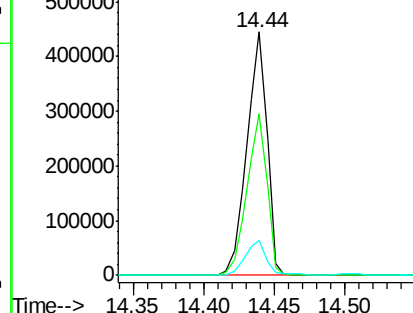
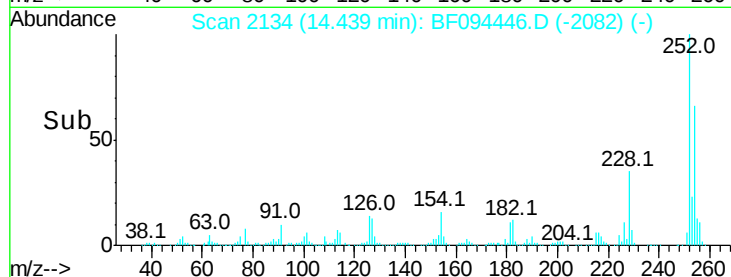
#81  
 3,3'-Dichlorobenzidine  
 Concen: 56.20 ng  
 RT: 14.44 min Scan# 2134  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 442781  
 Ion Ratio Lower Upper  
 252 100  
 254 66.2 51.5 77.3  
 126 14.3 15.8 23.8#

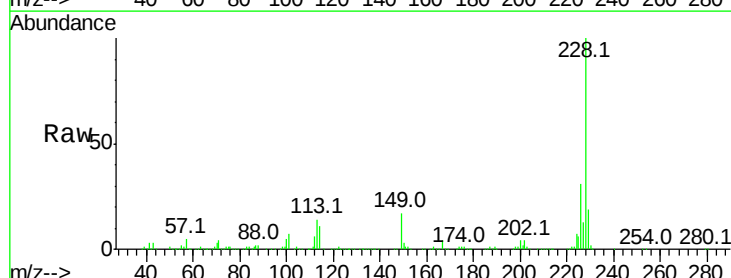


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

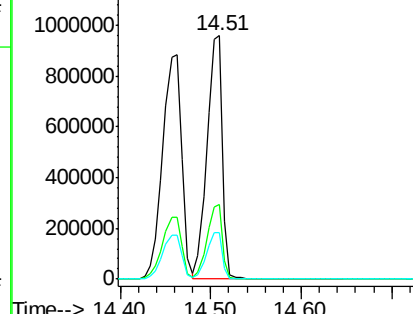
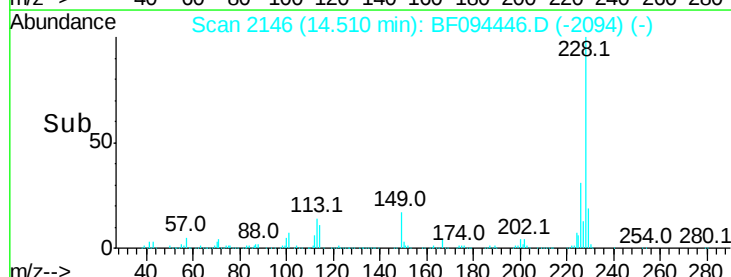


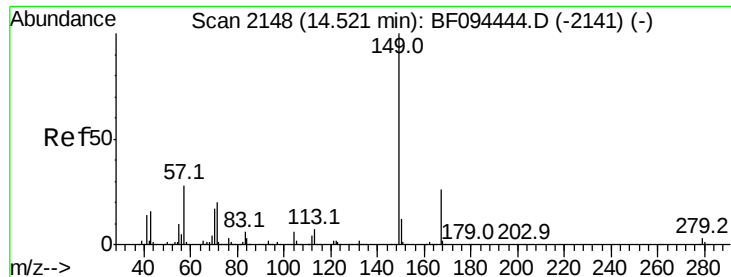
#82  
 Chrysene  
 Concen: 56.23 ng  
 RT: 14.51 min Scan# 2146  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:228 Resp: 1150159  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 24.9 37.3  
 229 18.9 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

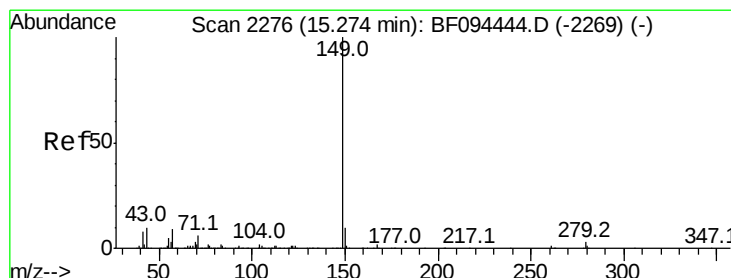
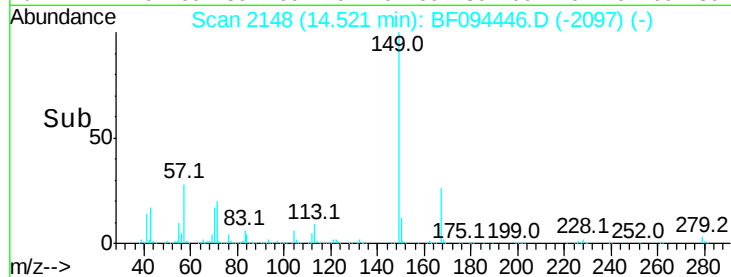
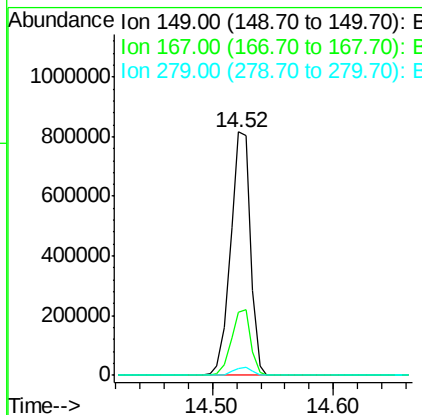
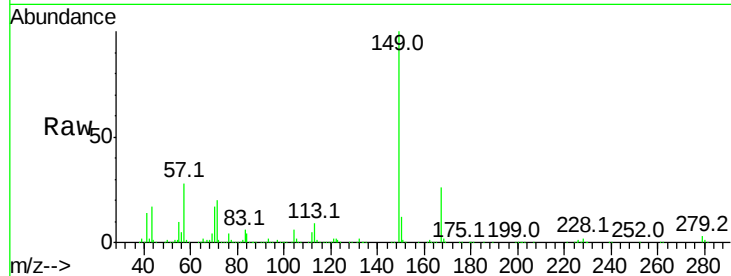




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 58.37 ng  
 RT: 14.52 min Scan# 2148  
 Delta R.T. 0.00 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

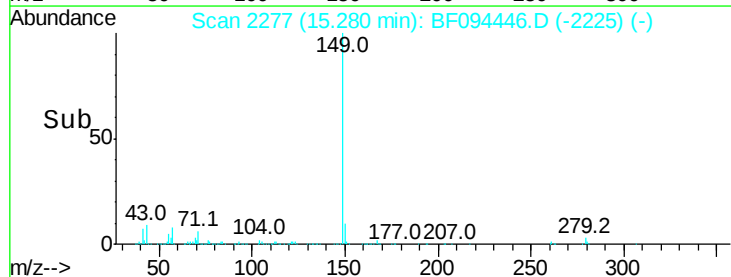
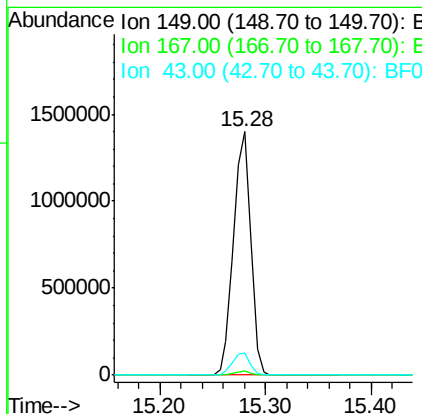
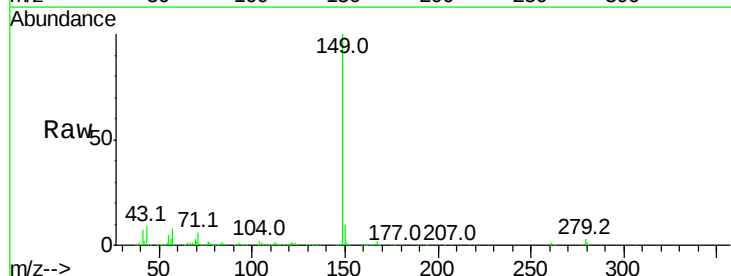
Instrument :  
 BNA\_F  
 ClientSampleId :

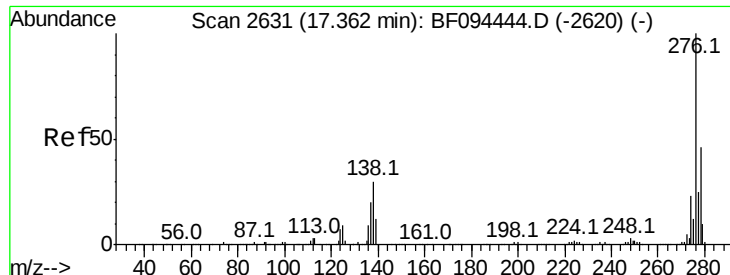
Tot Ion:149 Resp: 930770  
 Ion Ratio Lower Upper  
 149 100  
 167 26.2 21.0 31.4  
 279 2.9 1.9 2.9#



#84  
 Di-n-octyl phthalate  
 Concen: 58.83 ng  
 RT: 15.28 min Scan# 2277  
 Delta R.T. 0.01 min  
 Lab File: BF094446.D  
 Acq: 17 Apr 2017 13:39

Tgt Ion:149 Resp: 1567065  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 9.6 8.5 12.7

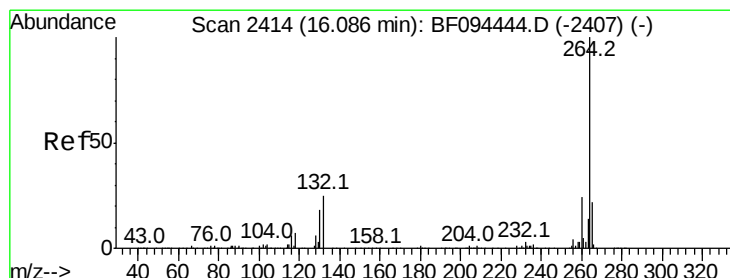
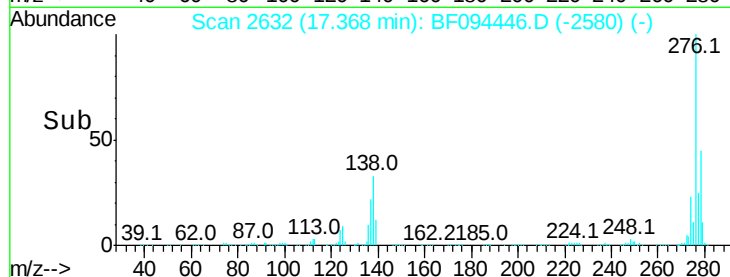
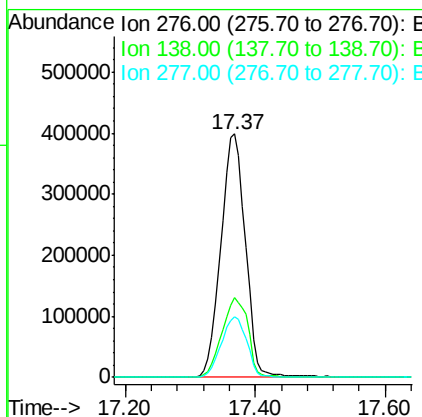
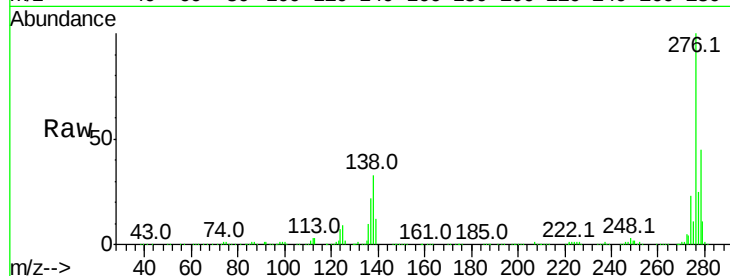




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 58.90 ng  
RT: 17.37 min Scan# 2632  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

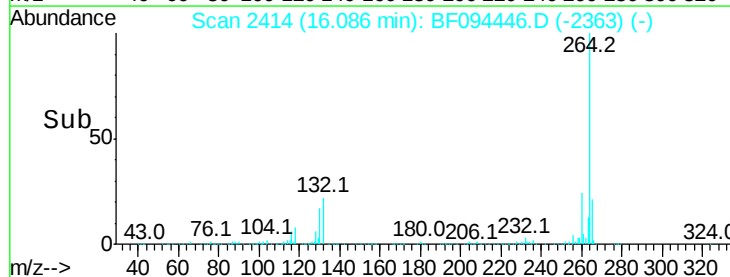
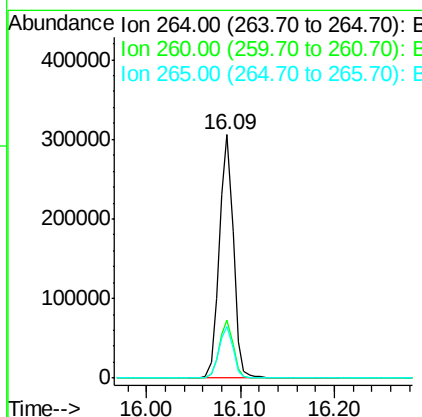
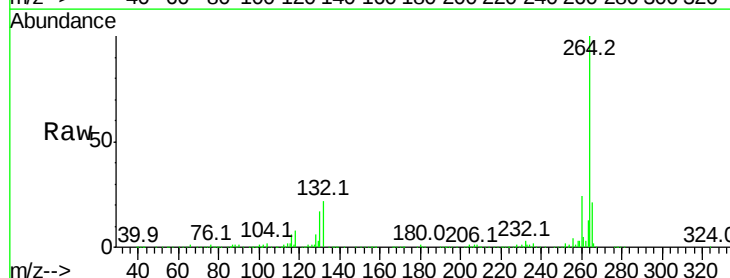
Instrument :  
BNA\_F  
ClientSampled :

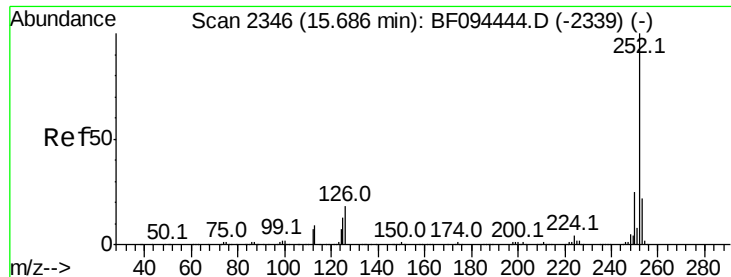
Tot Ion:276 Resp: 1043282  
Ion Ratio Lower Upper  
276 100  
138 34.6 27.8 41.6  
277 25.8 20.2 30.4



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.09 min Scan# 2414  
Delta R.T. 0.00 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:264 Resp: 322763  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.5 29.3  
265 21.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 56.83 ng

RT: 15.69 min Scan# 2347

Delta R.T. 0.01 min

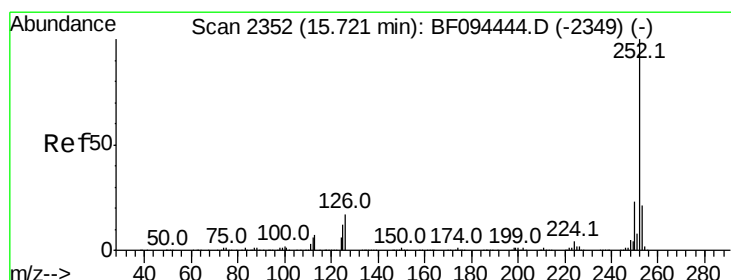
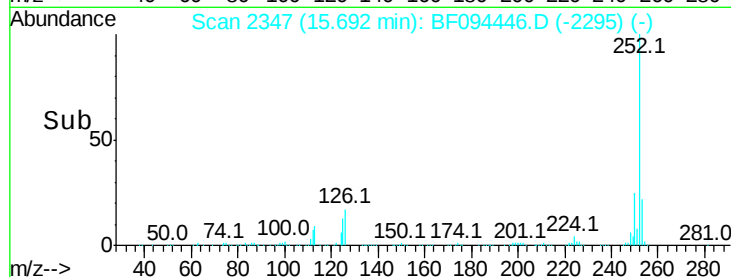
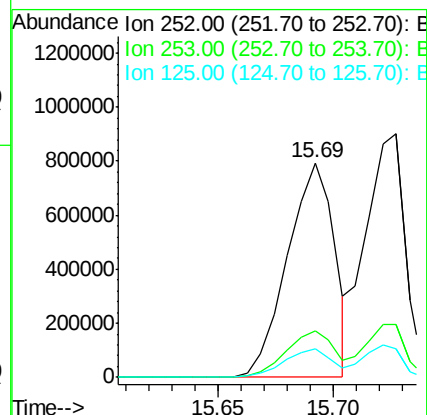
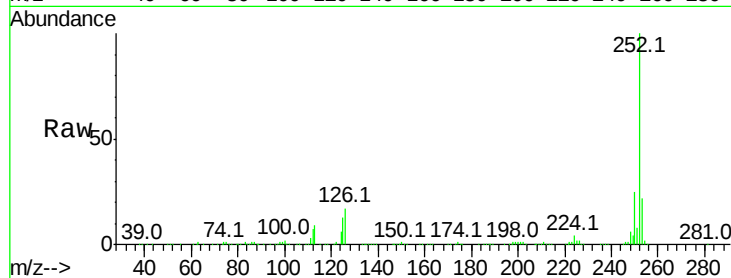
Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 1124409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 18.1  | 27.1  |
| 125 | 13.2  | 9.8   | 14.8  |



#88

Benzo(k)fluoranthene

Concen: 58.09 ng

RT: 15.69 min Scan# 2347

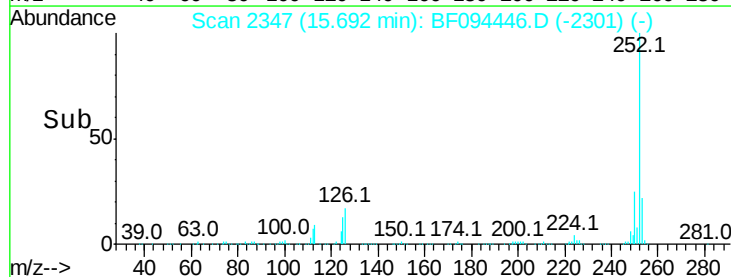
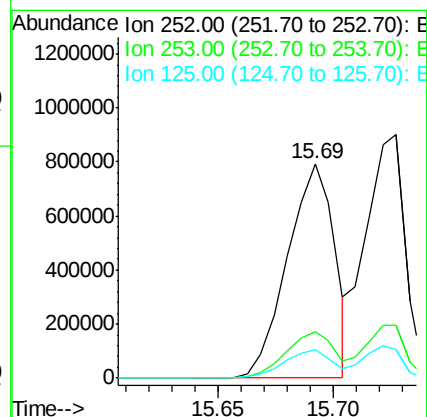
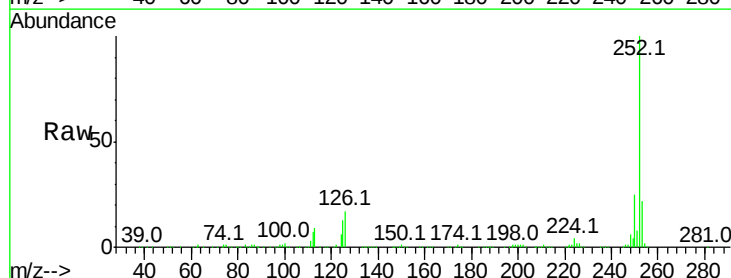
Delta R.T. -0.03 min

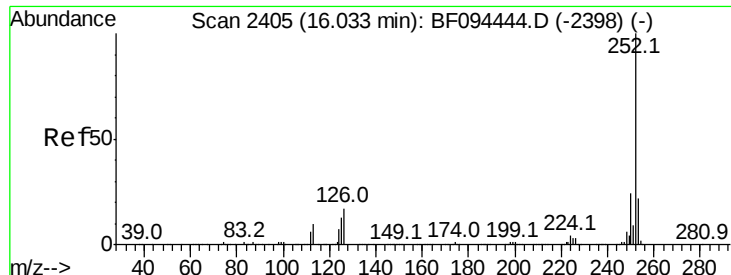
Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Tgt Ion:252 Resp: 1124409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 18.4  | 27.6  |
| 125 | 13.2  | 13.1  | 19.7  |

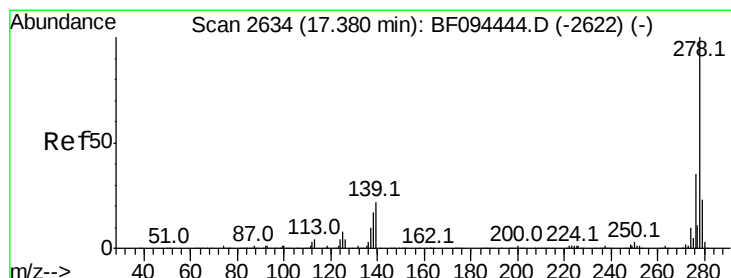
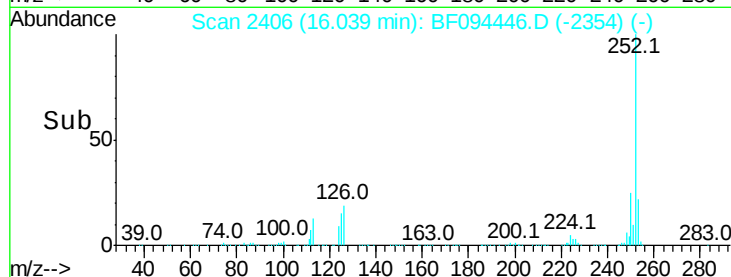
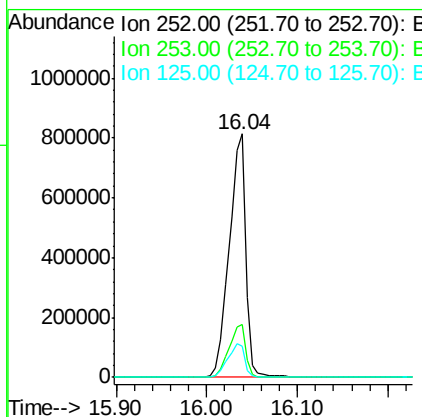
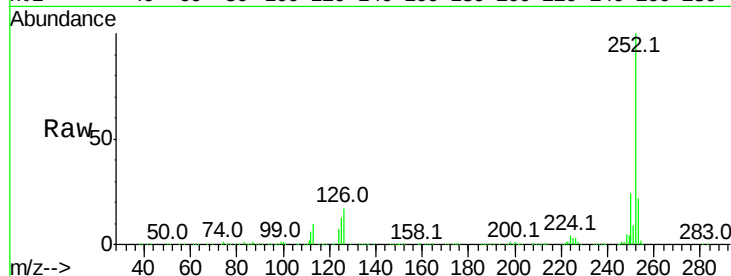




#89  
Benzo(a)pyrene  
Concen: 57.36 ng  
RT: 16.04 min Scan# 2406  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

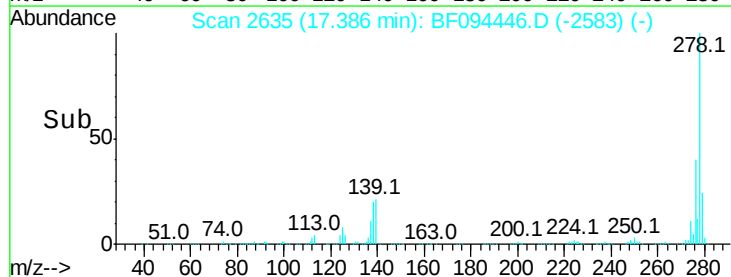
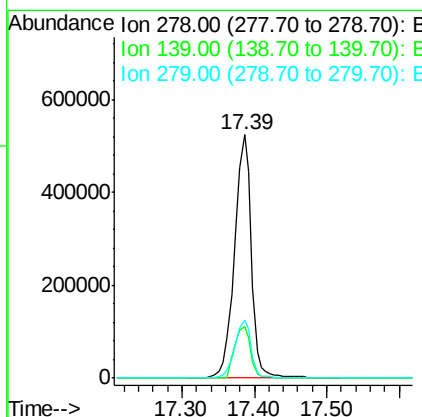
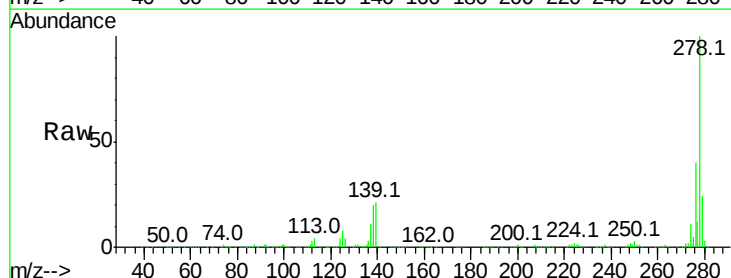
Instrument :  
BNA\_F  
ClientSampleId :

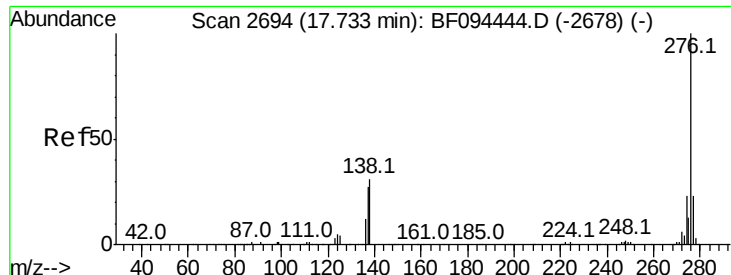
Tot Ion:252 Resp: 1045120  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 12.8 11.0 16.4



#90  
Dibenzo(a,h)anthracene  
Concen: 55.40 ng  
RT: 17.39 min Scan# 2635  
Delta R.T. 0.01 min  
Lab File: BF094446.D  
Acq: 17 Apr 2017 13:39

Tgt Ion:278 Resp: 854734  
Ion Ratio Lower Upper  
278 100  
139 21.3 16.6 24.8  
279 23.8 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 56.21 ng

RT: 17.74 min Scan# 2696

Delta R.T. 0.01 min

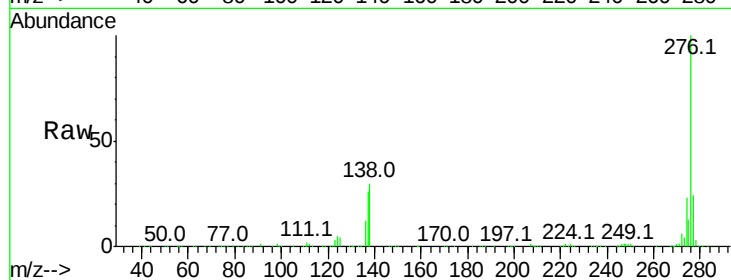
Lab File: BF094446.D

Acq: 17 Apr 2017 13:39

Instrument :

BNA\_F

ClientSampleId :



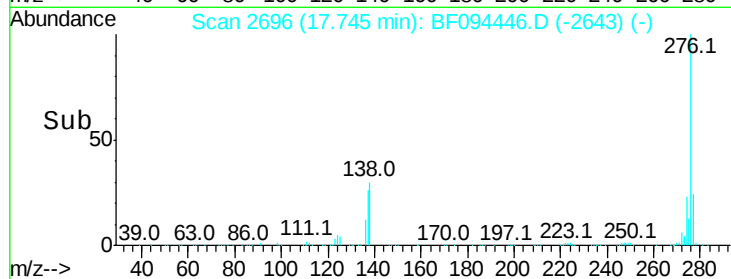
Tot Ion:276 Resp: 874044

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 30.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

