

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\  
 Data File : BF094612.D  
 Acq On : 25 Apr 2017 18:27  
 Operator : SJ/MA  
 Sample : I2835-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 26 01:26:18 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 14:59:23 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.75  | 152  | 122668   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.25  | 136  | 483652   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.38  | 164  | 208644   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.21 | 188  | 346730   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.46 | 240  | 239707   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.08 | 264  | 230049   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 4.31  | 112  | 924109   | 124.98 | ng    | 0.00     |
| 7) Phenol-d6                | 5.39  | 99   | 1112592  | 127.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.41  | 82   | 704469   | 89.94  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330  | 197008   | 120.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.57  | 172  | 1245707  | 87.85  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.18 | 244  | 862128   | 96.13  | ng    | -0.01    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.11 | 88   | 126816   | 29.49 | ng    | 97     |
| 3) Pyridine                    | 2.64 | 79   | 259810   | 27.65 | ng    | 97     |
| 4) n-Nitrosodimethylamine      | 2.58 | 42   | 156267   | 40.19 | ng    | 89     |
| 6) Aniline                     | 5.39 | 93   | 379721   | 32.78 | ng    | # 85   |
| 8) 2-Chlorophenol              | 5.53 | 128  | 364031   | 43.27 | ng    | 94     |
| 9) Benzaldehyde                | 5.25 | 77   | 113721   | 17.15 | ng    | 98     |
| 10) Phenol                     | 5.40 | 94   | 509909   | 47.62 | ng    | 96     |
| 11) bis(2-Chloroethyl)ether    | 5.47 | 93   | 332793   | 42.54 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 5.69 | 146  | 389851   | 41.82 | ng    | 100    |
| 13) 1,4-Dichlorobenzene        | 5.78 | 146  | 397213   | 42.35 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 5.95 | 146  | 365006   | 42.25 | ng    | 98     |
| 15) Benzyl Alcohol             | 5.94 | 79   | 269946   | 41.75 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.09 | 45   | 442372   | 43.13 | ng    | 69     |
| 17) 2-Methylphenol             | 6.08 | 107  | 286970   | 43.31 | ng    | # 94   |
| 18) Hexachloroethane           | 6.34 | 117  | 126755   | 39.43 | ng    | # 87   |
| 19) n-Nitroso-di-n-propylamine | 6.25 | 70   | 253900   | 43.96 | ng    | 96     |
| 20) 3+4-Methylphenols          | 6.26 | 107  | 398736   | 44.28 | ng    | # 60   |
| 22) Acetophenone               | 6.23 | 105  | 518679   | 44.11 | ng    | # 85   |
| 24) Nitrobenzene               | 6.43 | 77   | 359234   | 43.55 | ng    | 94     |
| 25) Isophorone                 | 6.72 | 82   | 644504   | 44.39 | ng    | 95     |
| 26) 2-Nitrophenol              | 6.80 | 139  | 176479   | 39.83 | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 6.88 | 122  | 314605   | 43.71 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 6.98 | 93   | 415838   | 44.28 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.10 | 162  | 293832   | 43.88 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.19 | 180  | 297920   | 43.03 | ng    | 97     |
| 31) Naphthalene                | 7.28 | 128  | 1012029  | 43.53 | ng    | 100    |
| 32) Benzoic acid               | 6.88 | 122  | 314605   | 82.65 | ng    | # 12   |
| 33) 4-Chloroaniline            | 7.35 | 127  | 164618   | 17.02 | ng    | 95     |
| 34) Hexachlorobutadiene        | 7.43 | 225  | 148904   | 43.14 | ng    | 98     |
| 35) Caprolactam                | 7.80 | 113  | 37603    | 17.88 | ng    | 97     |
| 36) 4-Chloro-3-methylphenol    | 7.98 | 107  | 296738   | 42.29 | ng    | 88     |
| 37) 2-Methylnaphthalene        | 8.12 | 142  | 686318   | 43.14 | ng    | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.32 | 216  | 267180   | 44.97 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.31 | 237  | 82382    | 34.28 | ng    | 95     |

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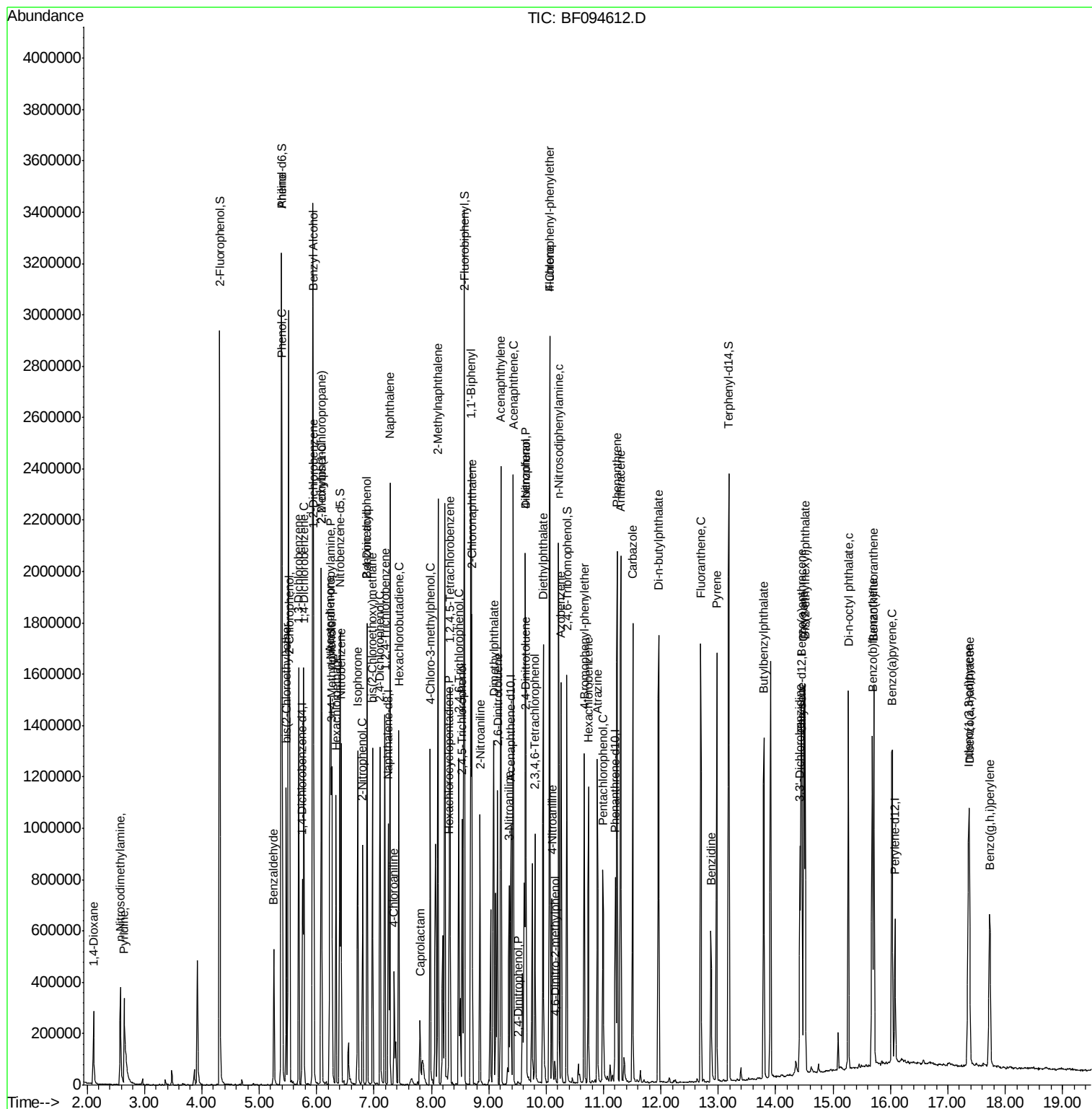
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.48  | 196  | 180567   | 43.28  | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 8.54  | 196  | 183388   | 42.80  | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 8.69  | 154  | 767927   | 45.05  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 8.71  | 162  | 612145   | 45.16  | nq    | 94       |
| 47) 2-Nitroaniline             | 8.85  | 65   | 177639   | 45.56  | nq    | # 83     |
| 48) Acenaphthylene             | 9.21  | 152  | 917500   | 43.42  | nq    | 99       |
| 49) Dimethylphthalate          | 9.09  | 163  | 864271   | 55.58  | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.15  | 165  | 159590   | 45.73  | nq    | 97       |
| 51) Acenaphthene               | 9.42  | 154  | 558211   | 44.11  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.35  | 138  | 141324   | 35.00  | nq    | 94       |
| 53) 2,4-Dinitrophenol          | 9.51  | 184  | 2799     | 7.13   | nq    | # 79     |
| 54) Dibenzofuran               | 9.64  | 168  | 820149   | 44.59  | nq    | 97       |
| 55) 4-Nitrophenol              | 9.64  | 139  | 492195   | 172.54 | nq    | # 33     |
| 56) 2,4-Dinitrotoluene         | 9.65  | 165  | 197240   | 46.06  | nq    | 96       |
| 57) Fluorene                   | 10.06 | 166  | 618874   | 43.21  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.81  | 232  | 121594   | 39.59  | nq    | 95       |
| 59) Diethylphthalate           | 9.95  | 149  | 683964   | 46.62  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.07 | 204  | 274037   | 45.97  | nq    | 93       |
| 61) 4-Nitroaniline             | 10.11 | 138  | 160013   | 38.98  | nq    | 96       |
| 62) Azobenzene                 | 10.26 | 77   | 642198   | 45.08  | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.15 | 198  | 11625    | 5.12   | nq    | # 70     |
| 65) n-Nitrosodiphenylamine     | 10.22 | 169  | 577295   | 47.87  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 165471   | 48.06  | nq    | 96       |
| 67) Hexachlorobenzene          | 10.74 | 284  | 154991   | 44.67  | nq    | # 85     |
| 68) Atrazine                   | 10.90 | 200  | 169013   | 46.85  | nq    | 95       |
| 69) Pentachlorophenol          | 10.99 | 266  | 103989   | 75.48  | nq    | 99       |
| 70) Phenanthrene               | 11.24 | 178  | 848151   | 43.44  | nq    | 99       |
| 71) Anthracene                 | 11.30 | 178  | 872322   | 43.19  | nq    | 98       |
| 72) Carbazole                  | 11.51 | 167  | 800363   | 42.22  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1038671  | 49.76  | nq    | 98       |
| 74) Fluoranthene               | 12.70 | 202  | 763545   | 37.73  | nq    | 99       |
| 76) Benzidine                  | 12.87 | 184  | 267731   | 27.58  | nq    | # 93     |
| 77) Pyrene                     | 12.97 | 202  | 755703   | 45.12  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.80 | 149  | 357570   | 48.72  | nq    | # 87     |
| 80) Benzo(a)anthracene         | 14.45 | 228  | 617026   | 44.29  | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 14.42 | 252  | 207180   | 42.01  | nq    | # 95     |
| 82) Chrysene                   | 14.49 | 228  | 557397   | 43.78  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.51 | 149  | 505359   | 51.28  | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 15.27 | 149  | 818119   | 49.49  | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.36 | 276  | 521374   | 43.03  | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.68 | 252  | 588580   | 41.82  | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.71 | 252  | 591221   | 44.39  | nq    | 96       |
| 89) Benzo(a)pyrene             | 16.03 | 252  | 559224   | 42.71  | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.38 | 278  | 440626   | 40.53  | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.73 | 276  | 414037   | 37.41  | nq    | 97       |

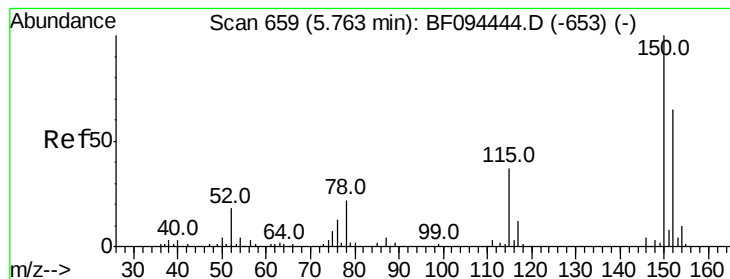
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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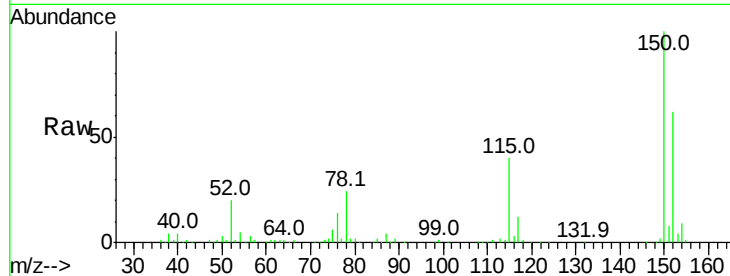


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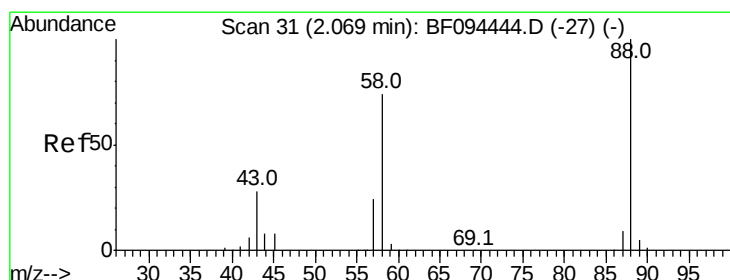
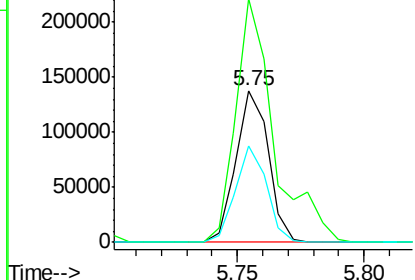
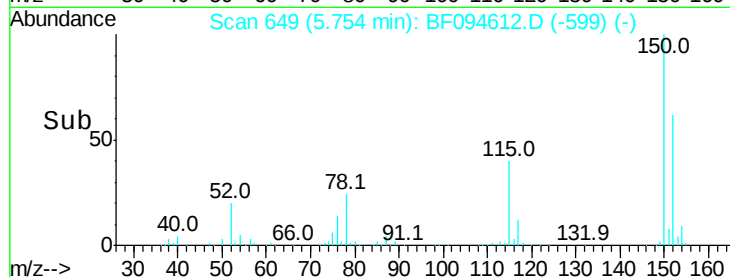
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.75 min Scan# 649  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

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ClientSampleId :

Tot Ion:152 Resp: 122668  
Ion Ratio Lower Upper  
152 100  
150 160.1 126.2 189.2  
115 63.7 52.2 78.2



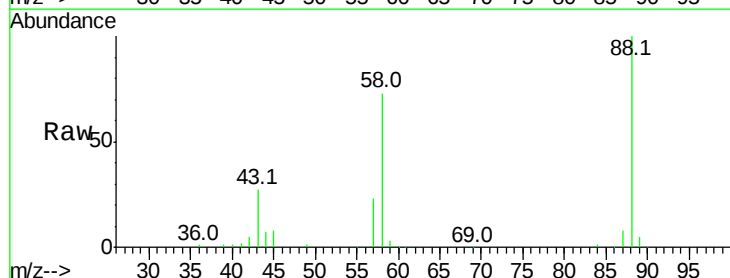
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



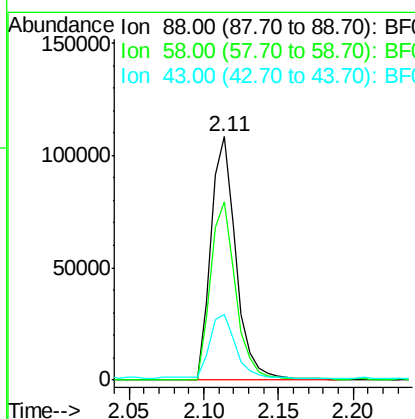
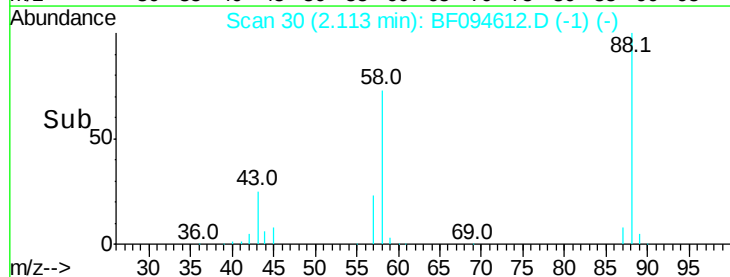
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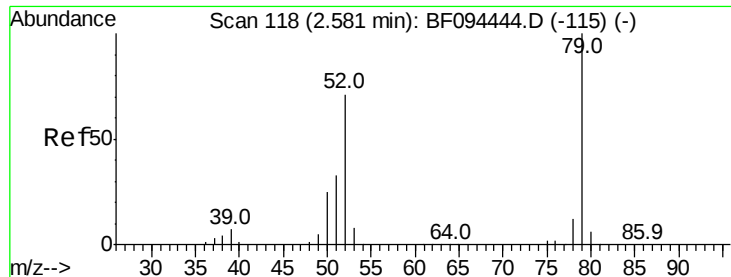
1,4-Dioxane  
Concen: 29.49 ng  
RT: 2.11 min Scan# 30  
Delta R.T. 0.04 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion: 88 Resp: 126816  
Ion Ratio Lower Upper  
88 100  
58 75.0 61.4 92.0  
43 27.1 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 27.65 ng

RT: 2.64 min Scan# 120

Delta R.T. 0.06 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

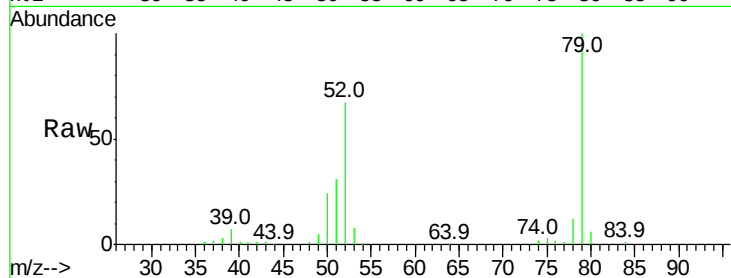
Tot Ion: 79 Resp: 259810

Ion Ratio Lower Upper

79 100

52 67.3 54.8 82.2

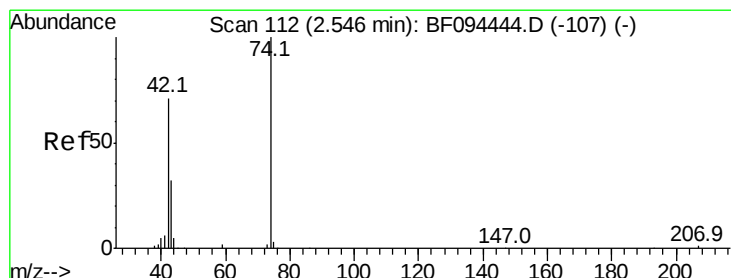
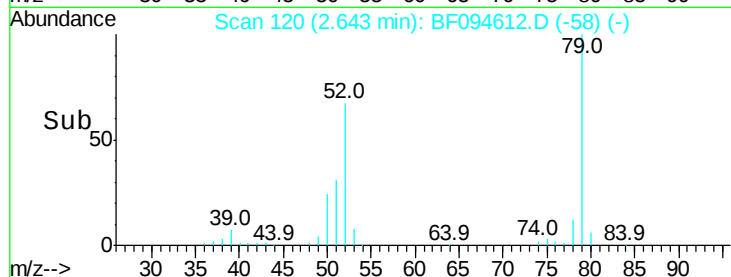
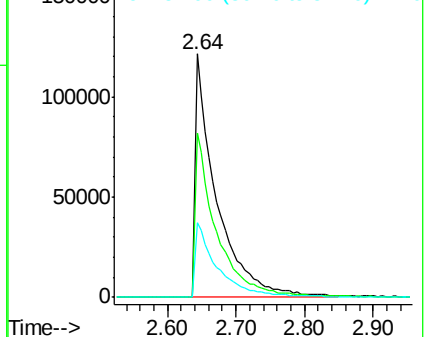
51 30.5 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 40.19 ng

RT: 2.58 min Scan# 110

Delta R.T. 0.04 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

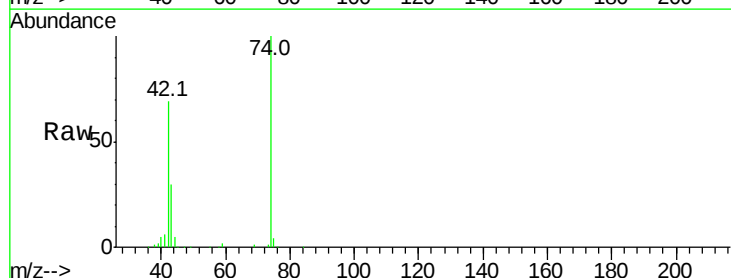
Tgt Ion: 42 Resp: 156267

Ion Ratio Lower Upper

42 100

74 144.0 103.9 155.9

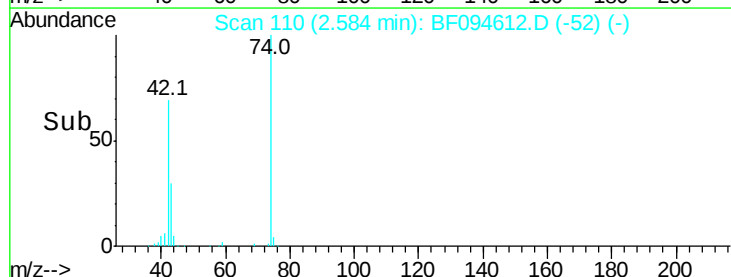
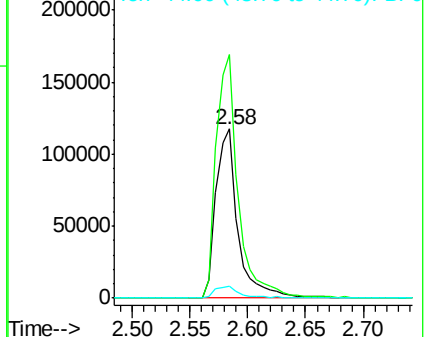
44 7.0 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 124.98 ng

RT: 4.31 min Scan# 404

Delta R.T. 0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :  
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ClientSampleId :

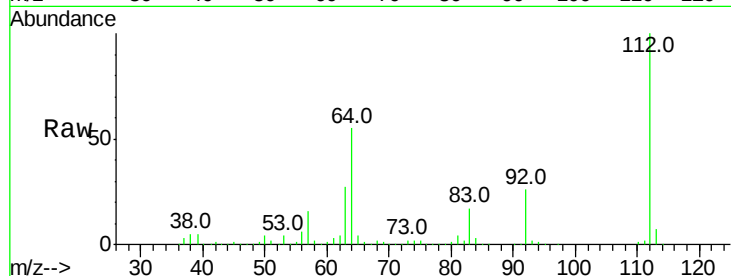
Tot Ion:112 Resp: 924109

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

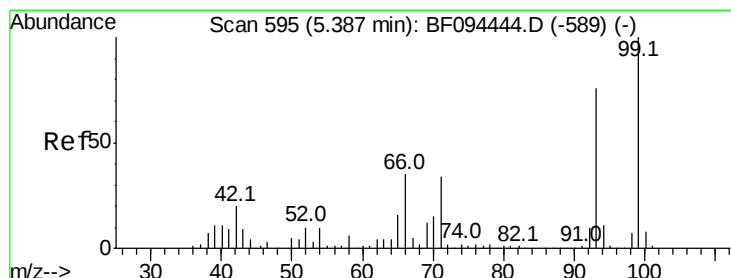
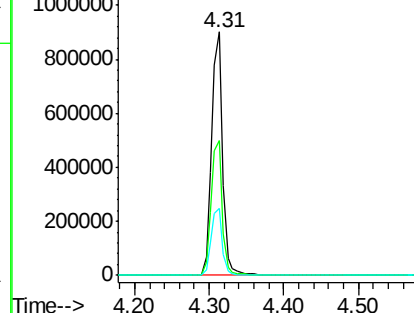
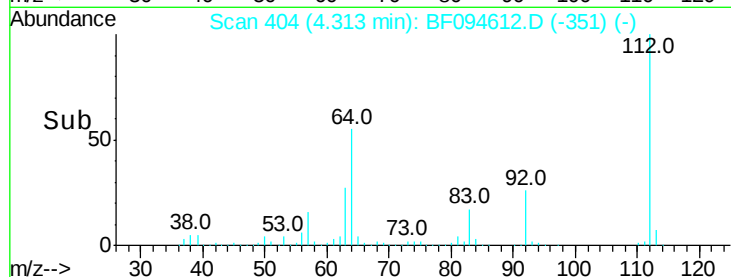
63 27.3 23.4 35.0



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: 32.78 ng

RT: 5.39 min Scan# 587

Delta R.T. 0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

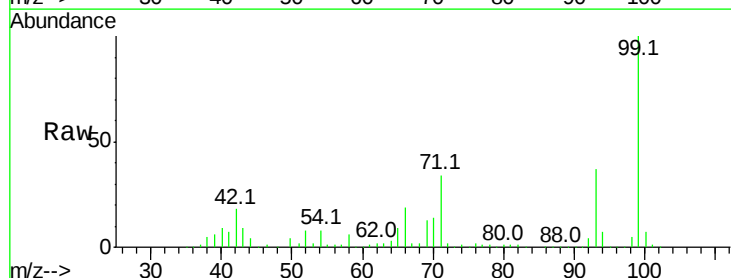
Tgt Ion: 93 Resp: 379721

Ion Ratio Lower Upper

93 100

66 53.2 32.9 49.3#

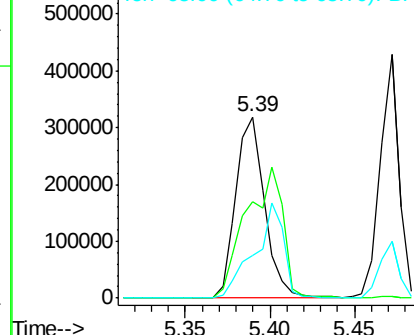
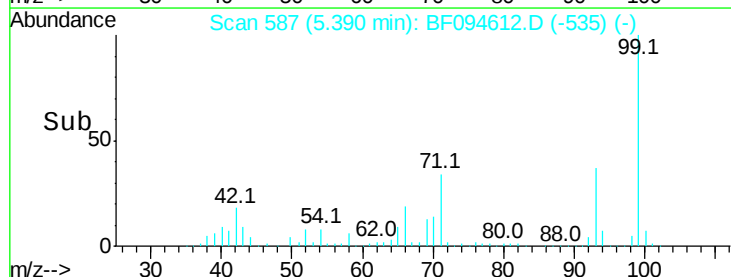
65 23.5 16.0 24.0

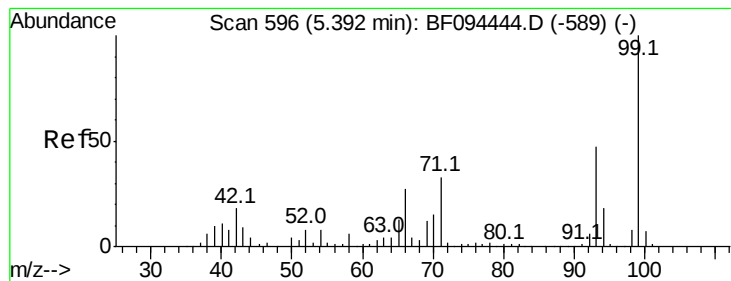


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.64 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

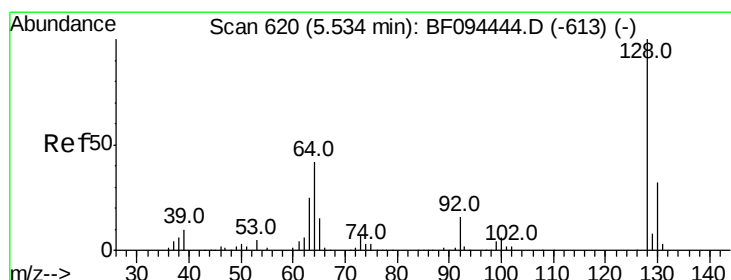
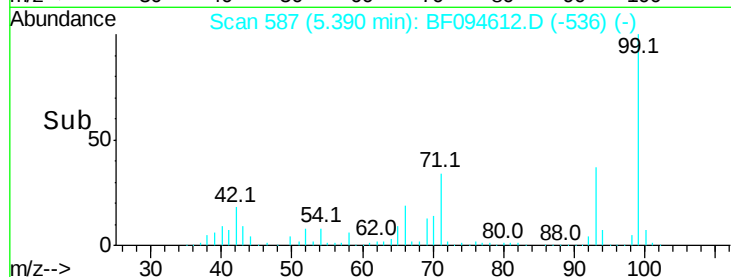
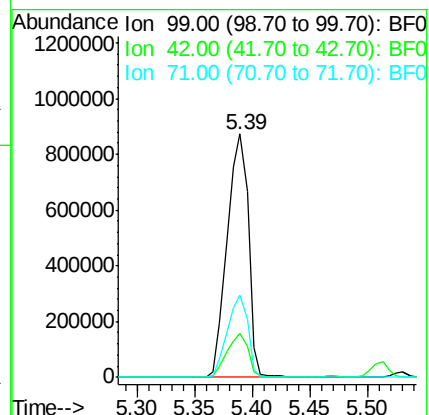
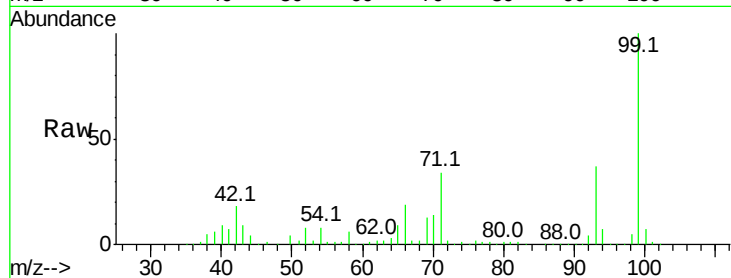
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1112592

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 13.5  | 20.3  |
| 71  | 33.8  | 24.5  | 36.7  |



#8

2-Chlorophenol

Concen: 43.27 ng

RT: 5.53 min Scan# 611

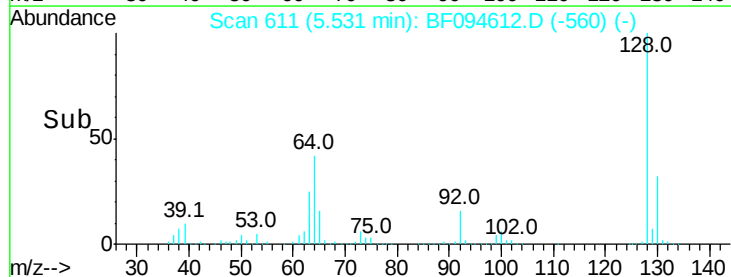
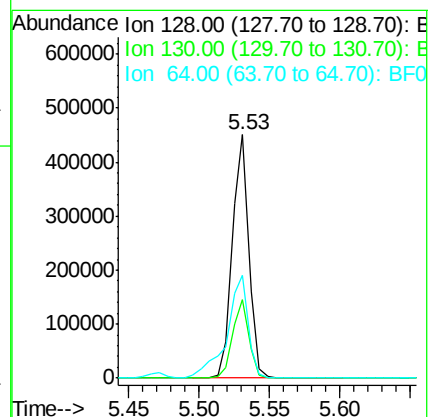
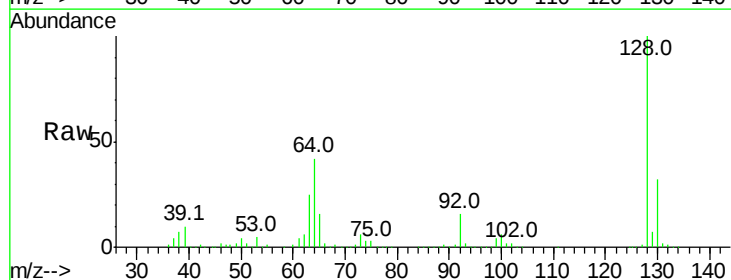
Delta R.T. -0.00 min

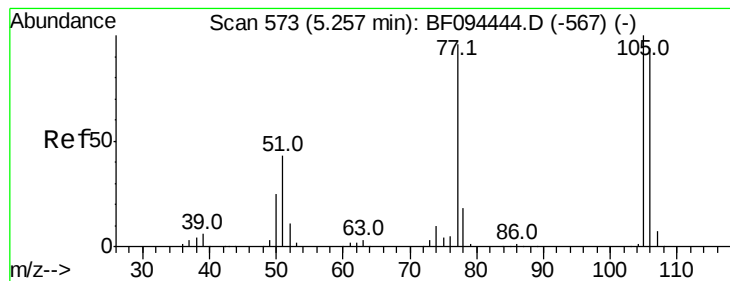
Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Tgt Ion:128 Resp: 364031

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.2  | 12.9  | 52.9  |
| 64  | 42.4  | 28.4  | 68.4  |





#9

Benzaldehyde

Concen: 17.15 ng

RT: 5.25 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

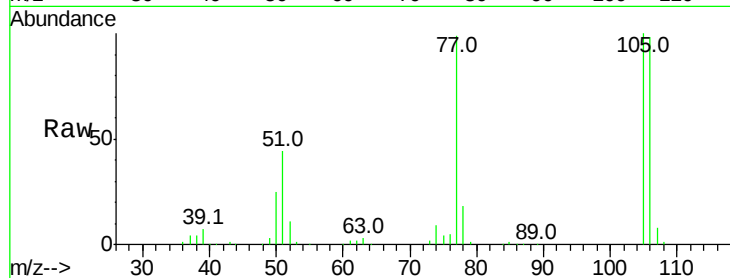
Tot Ion: 77 Resp: 113721

Ion Ratio Lower Upper

77 100

105 100.9 83.8 123.8

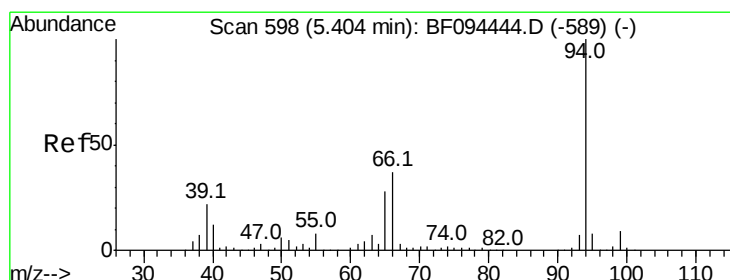
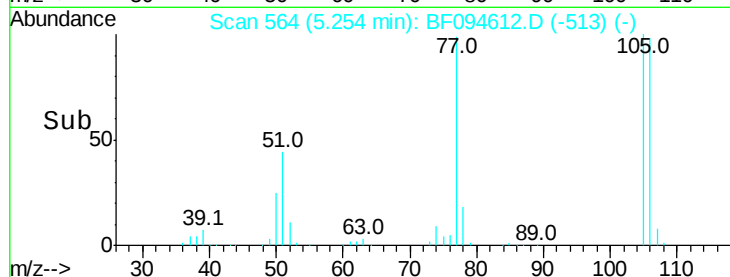
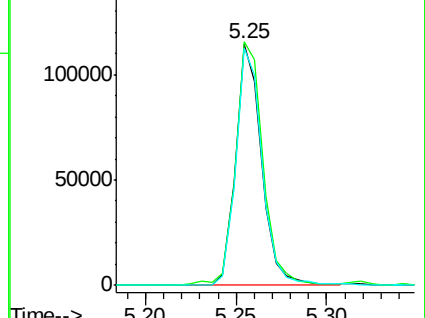
106 98.4 79.1 119.1



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: 47.62 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

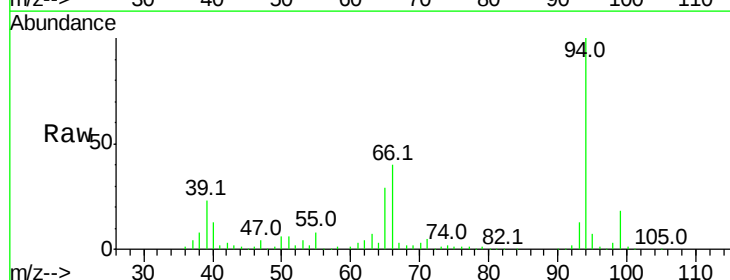
Tgt Ion: 94 Resp: 509909

Ion Ratio Lower Upper

94 100

65 29.1 9.9 49.9

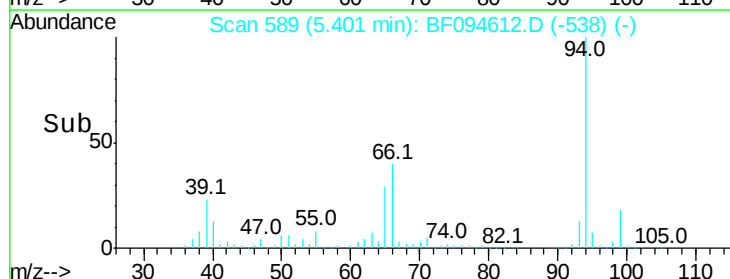
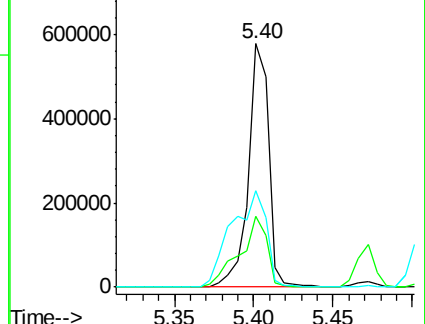
66 39.8 23.1 63.1

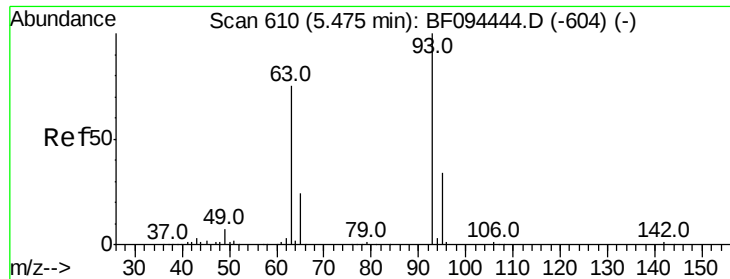


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

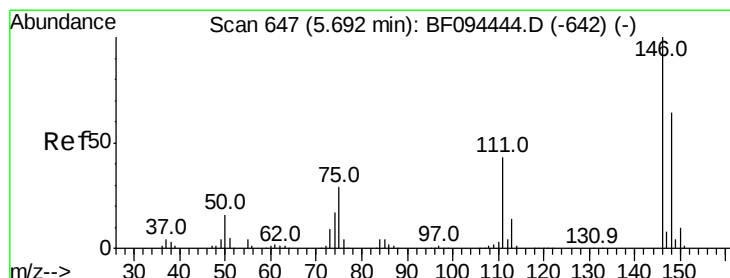
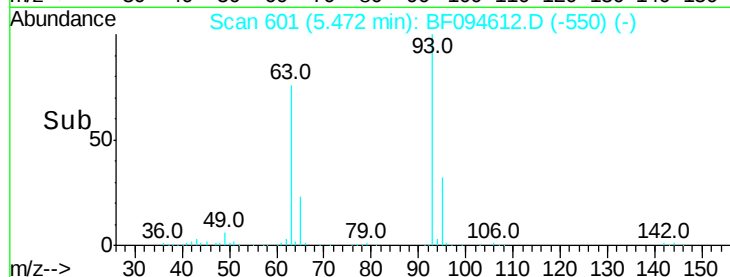
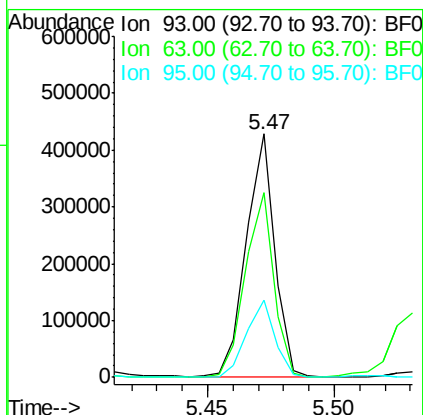
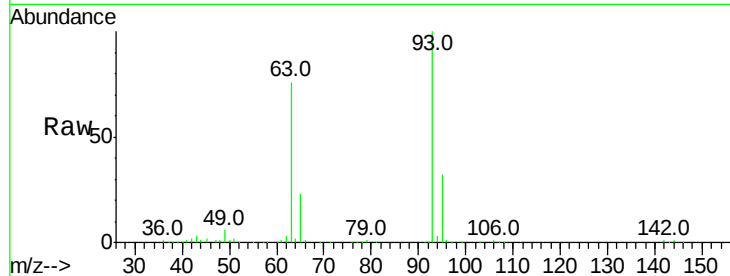




#11  
bis(2-Chloroethyl)ether  
Concen: 42.54 ng  
RT: 5.47 min Scan# 601  
Delta R.T. -0.00 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

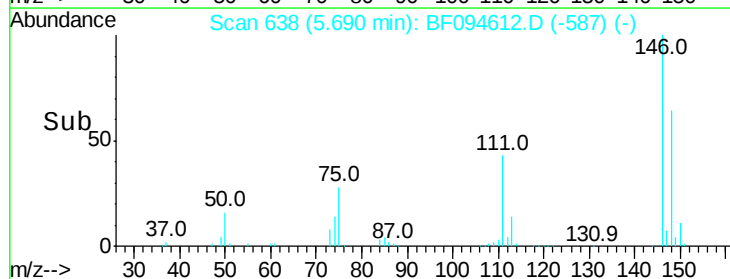
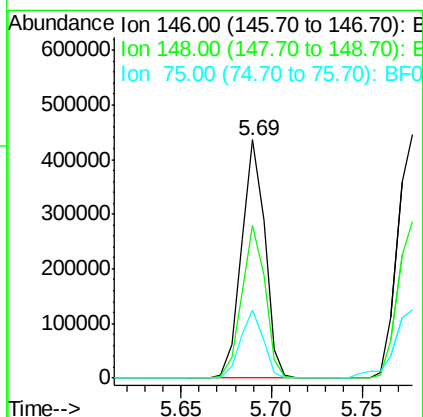
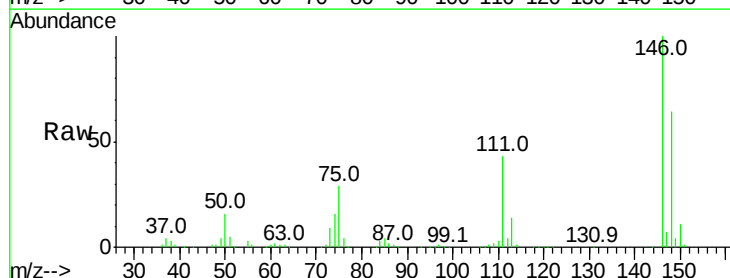
Instrument :  
BNA\_F  
ClientSampled :

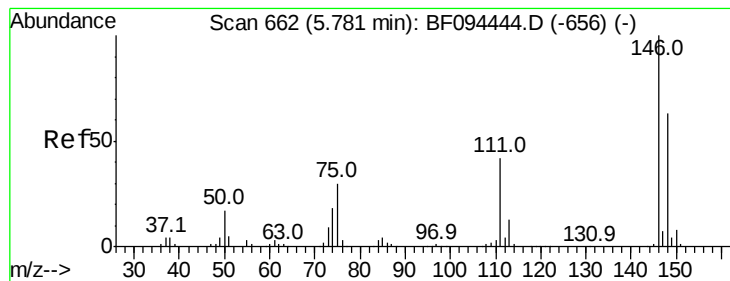
Tot Ion: 93 Resp: 332793  
Ion Ratio Lower Upper  
93 100  
63 75.7 59.2 99.2  
95 31.9 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 41.82 ng  
RT: 5.69 min Scan# 638  
Delta R.T. -0.00 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion: 146 Resp: 389851  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.8 77.6  
75 28.7 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 42.35 ng

RT: 5.78 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampled :

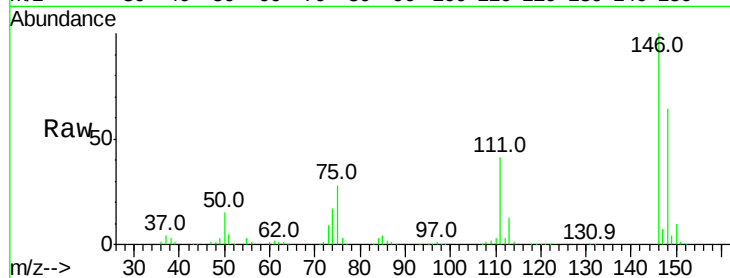
Tot Ion:146 Resp: 397213

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

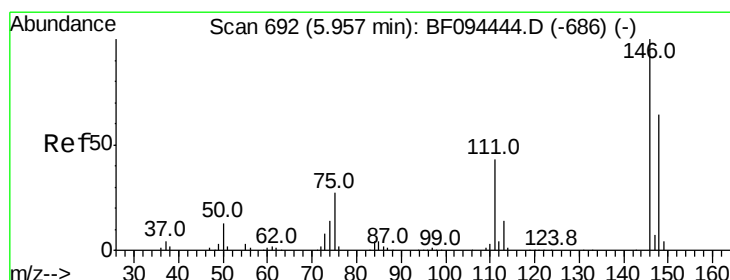
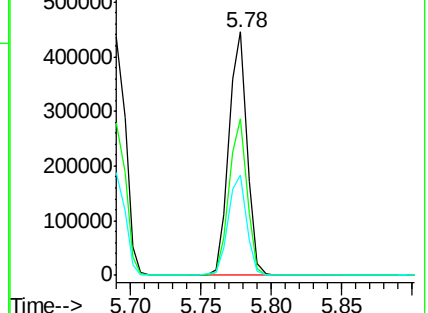
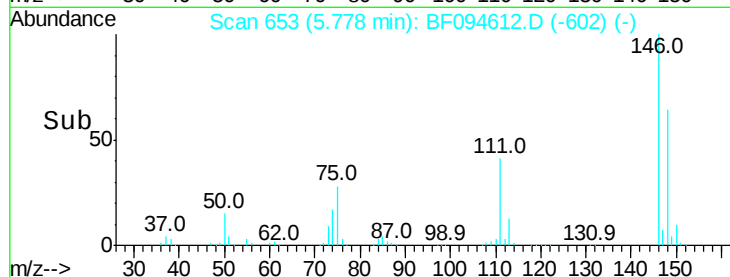
111 41.0 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.25 ng

RT: 5.95 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

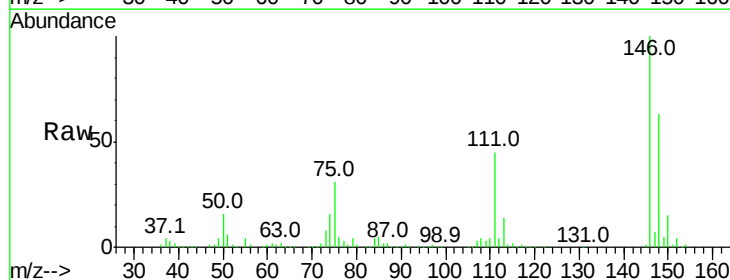
Tgt Ion:146 Resp: 365006

Ion Ratio Lower Upper

146 100

148 63.1 50.4 75.6

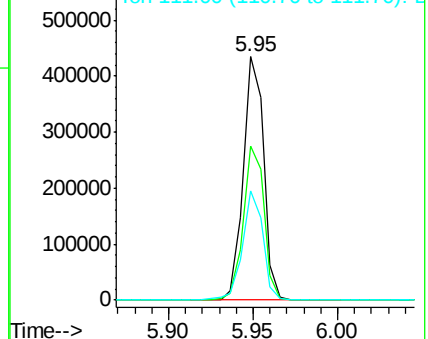
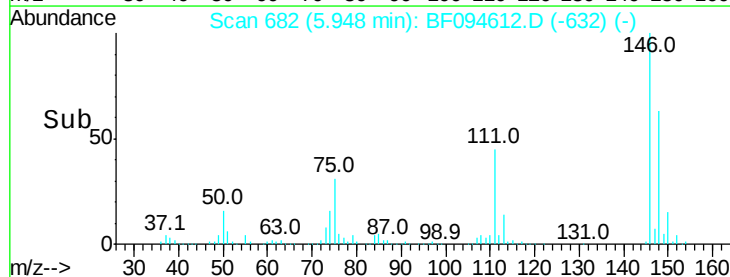
111 44.7 38.2 57.4

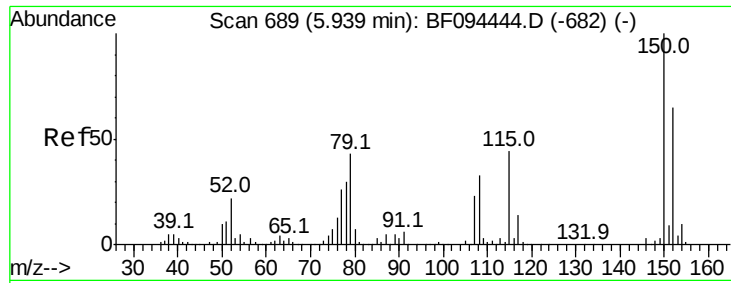


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

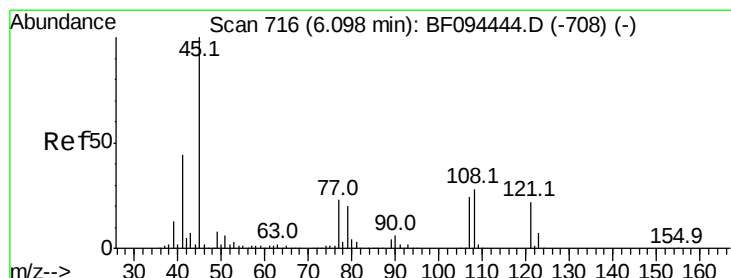
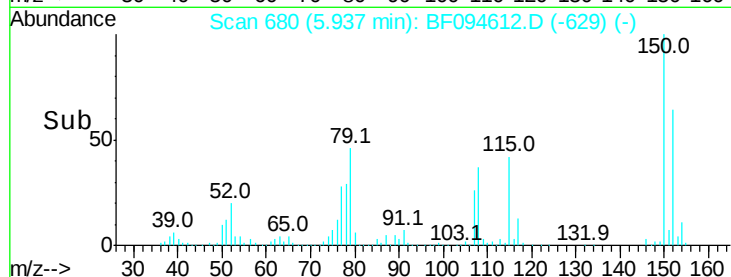
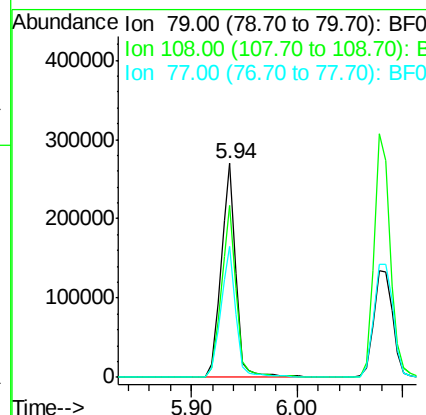
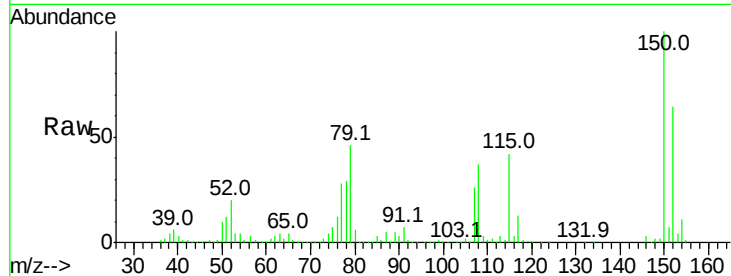




#15  
Benzyl Alcohol  
Concen: 41.75 ng  
RT: 5.94 min Scan# 680  
Delta R.T. -0.00 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

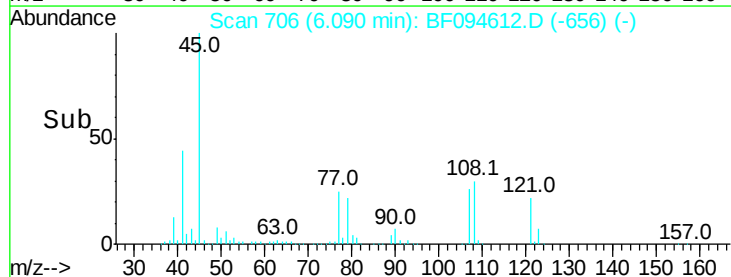
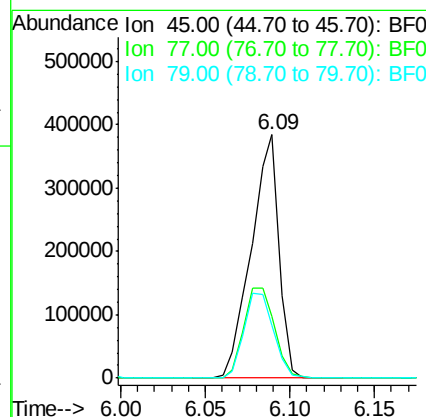
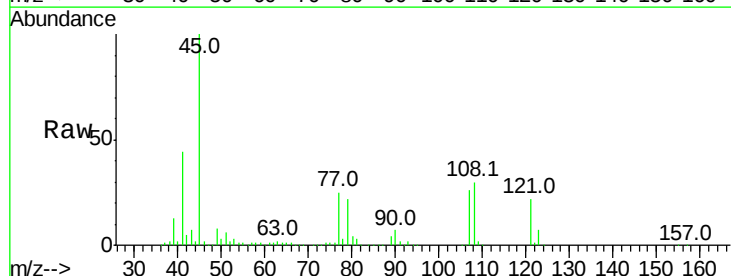
Instrument :  
BNA\_F  
ClientSampleId :

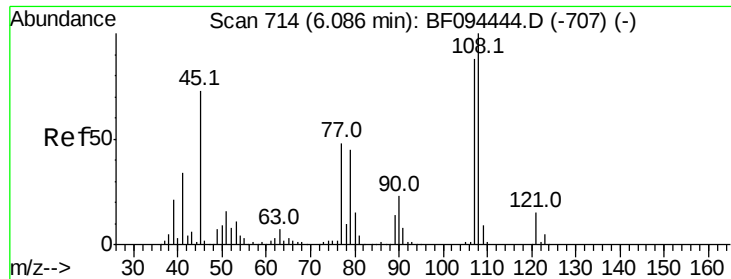
Tot Ion: 79 Resp: 269946  
Ion Ratio Lower Upper  
79 100  
108 80.6 63.4 95.0  
77 61.2 49.2 73.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 43.13 ng  
RT: 6.09 min Scan# 706  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion: 45 Resp: 442372  
Ion Ratio Lower Upper  
45 100  
77 25.4 0.0 33.2  
79 21.8 0.0 30.0





#17

2-Methylphenol

Concen: 43.31 ng

RT: 6.08 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 286970

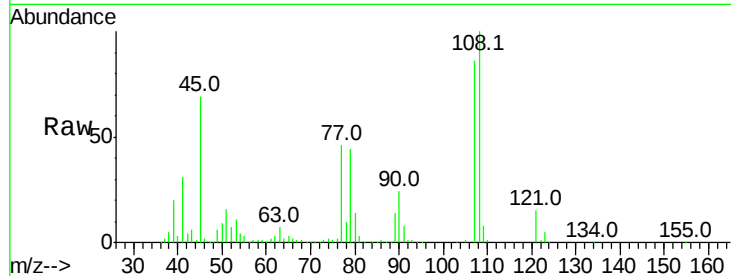
Ion Ratio Lower Upper

107 100

108 115.7 93.4 140.0

77 53.7 35.8 53.6#

79 50.7 34.8 52.2

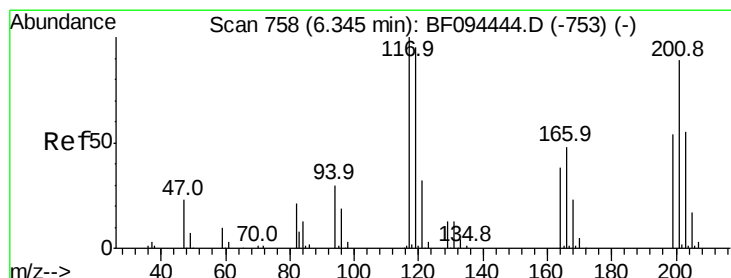
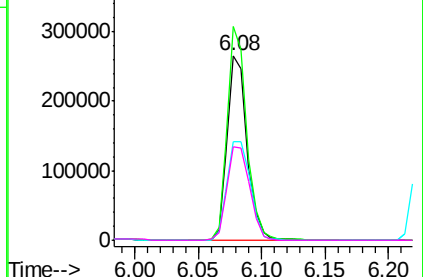
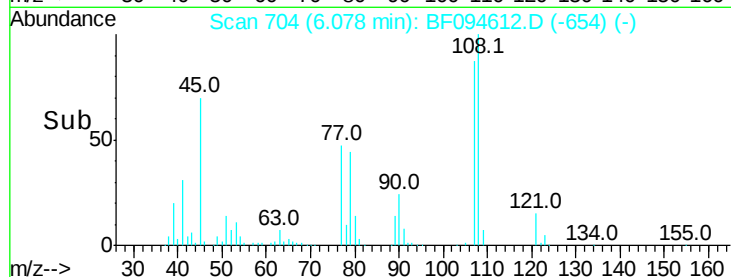


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 39.43 ng

RT: 6.34 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

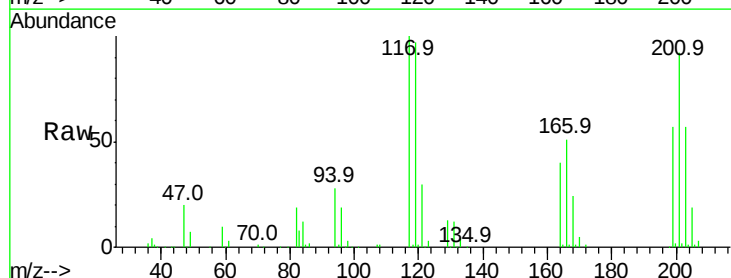
Tgt Ion:117 Resp: 126755

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0

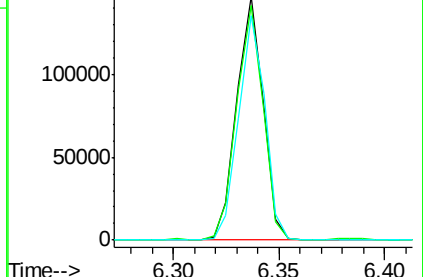
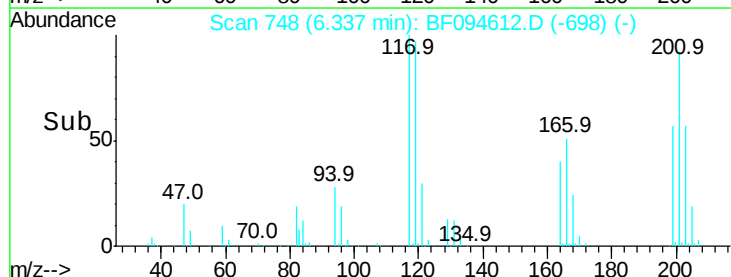
201 92.0 94.6 141.8#

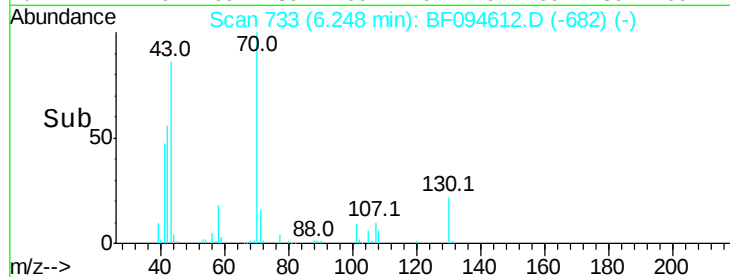
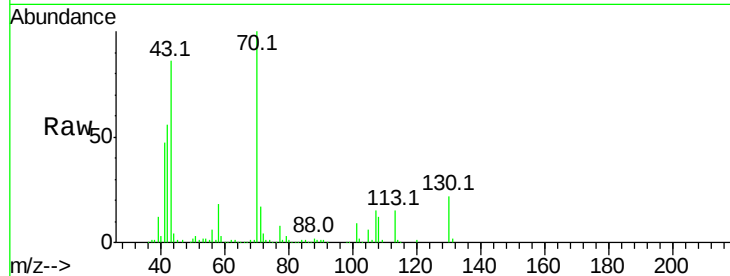
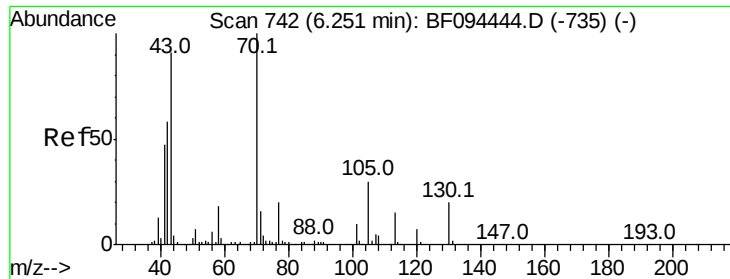


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

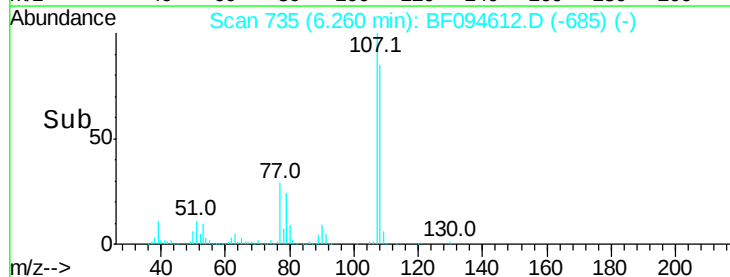
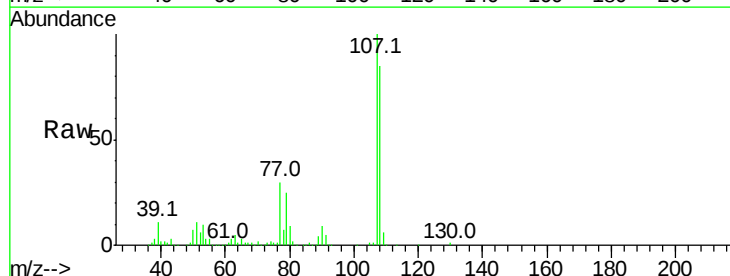
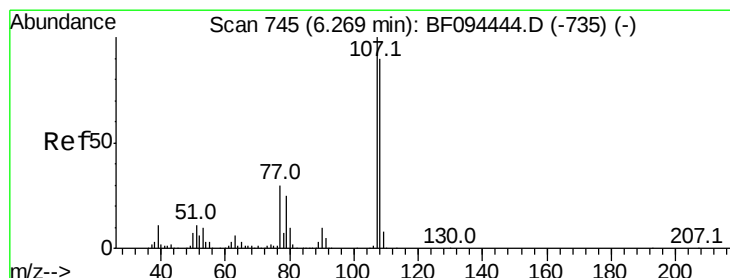
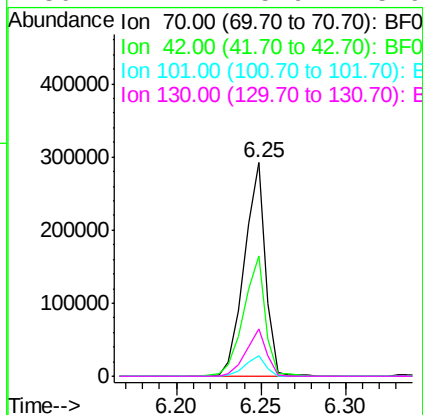




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.96 ng  
RT: 6.25 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

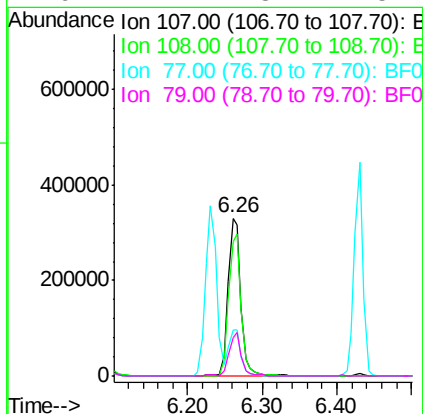
Instrument :  
BNA\_F  
ClientSampleId :

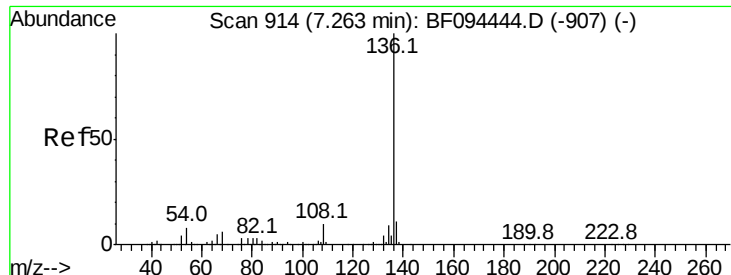
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 253900 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 56.1  | 47.2  | 70.8   |
| 101      | 9.3   | 7.2   | 10.8   |
| 130      | 22.1  | 15.9  | 23.9   |



#20  
3+4-Methylphenols  
Concen: 44.28 ng  
RT: 6.26 min Scan# 735  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 398736 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.3  | 71.0  | 111.0  |
| 77       | 29.6  | 90.5  | 130.5# |
| 79       | 24.7  | 8.4   | 48.4   |

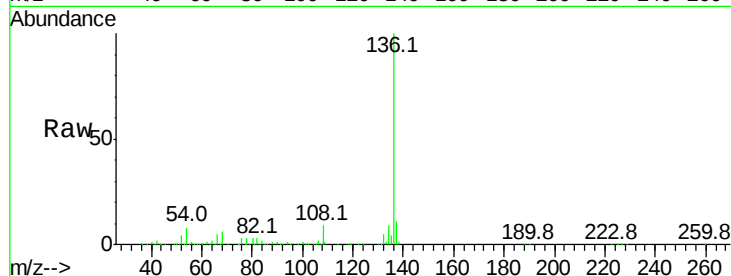




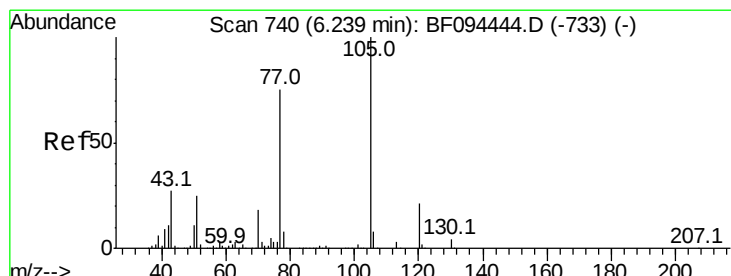
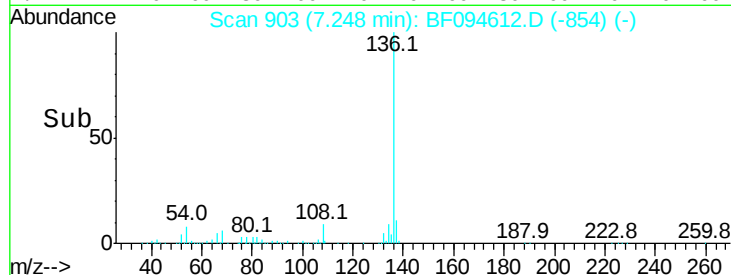
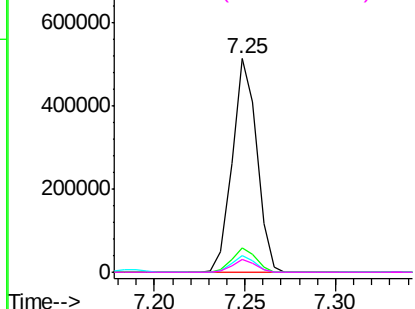
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.25 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 483652   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.5 12.7 |
| 54          | 7.8   | 4.9 7.3# |
| 68          | 6.0   | 4.1 6.1  |

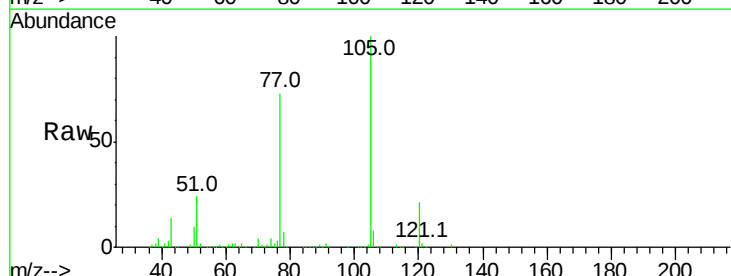


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

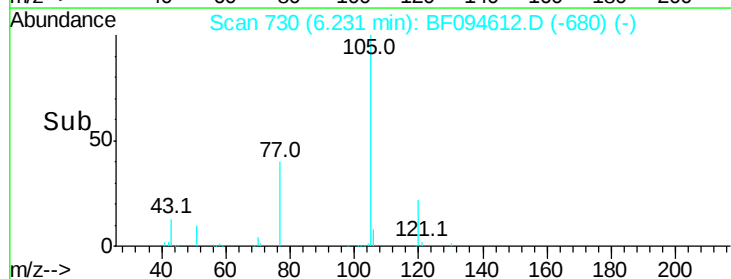
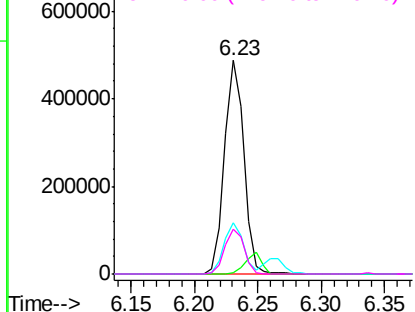


#22  
Acetophenone  
Concen: 44.11 ng  
RT: 6.23 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 518679     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.7   | 2.8 4.2#   |
| 51          | 24.3  | 30.7 46.1# |
| 120         | 21.2  | 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

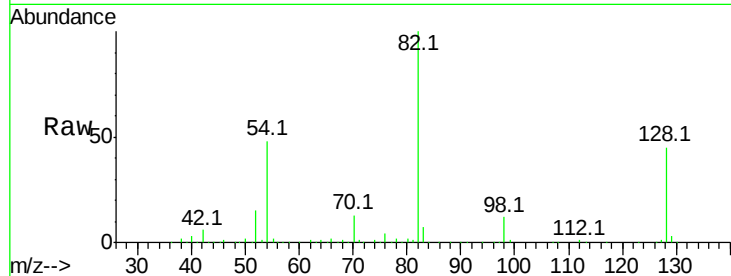




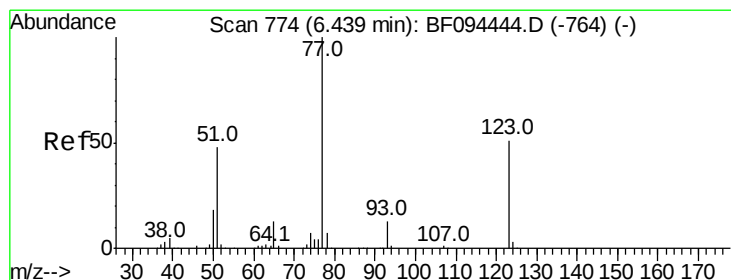
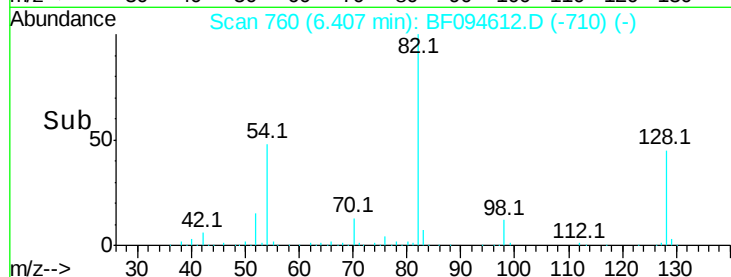
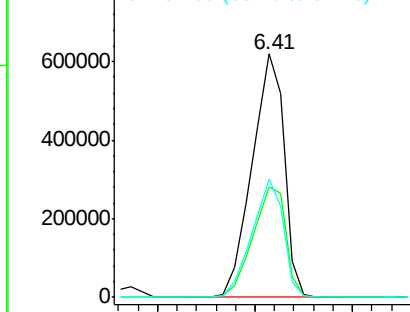
#23  
 Nitrobenzene-d5  
 Concen: 89.94 ng  
 RT: 6.41 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 704469  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 34.0 51.0  
 54 48.4 42.2 63.2

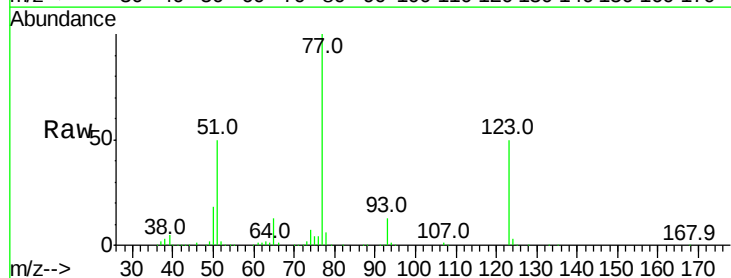


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

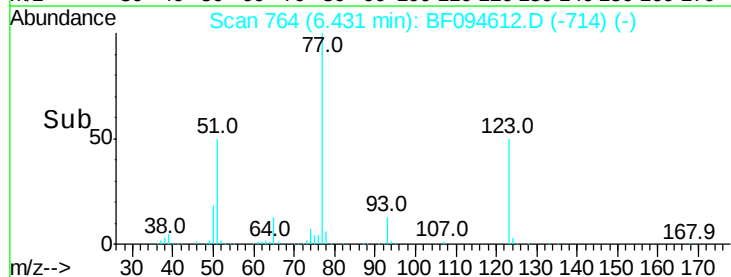
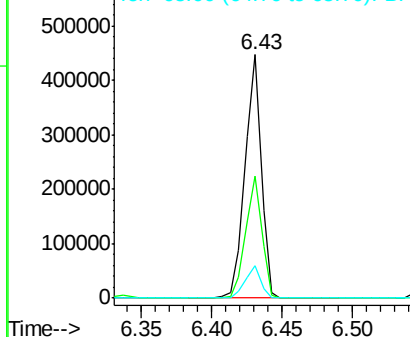


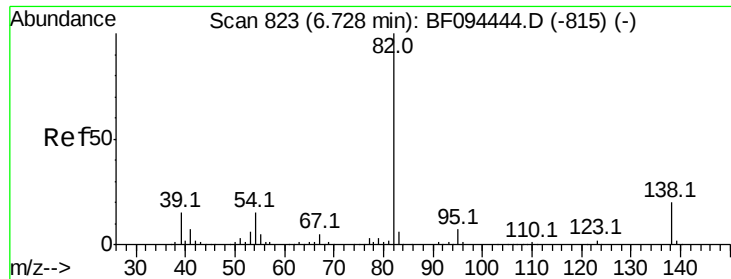
#24  
 Nitrobenzene  
 Concen: 43.55 ng  
 RT: 6.43 min Scan# 764  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion: 77 Resp: 359234  
 Ion Ratio Lower Upper  
 77 100  
 123 50.0 35.8 53.8  
 65 13.1 10.6 15.8



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





#25

Isophorone

Concen: 44.39 ng

RT: 6.72 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

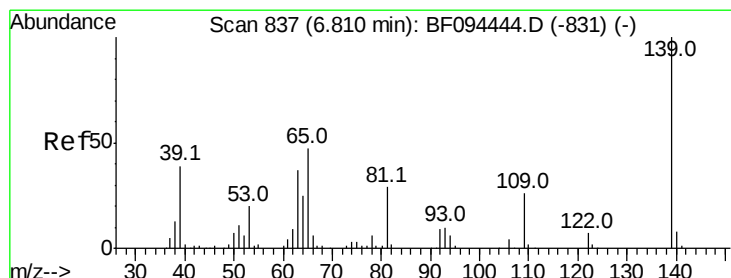
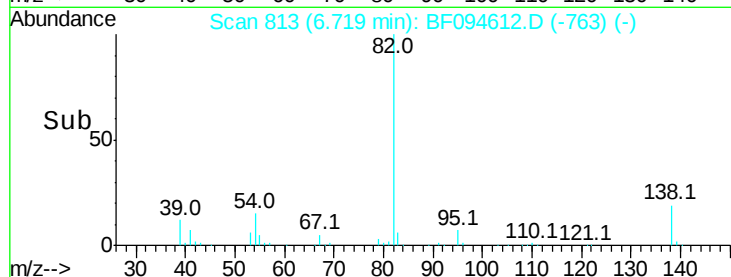
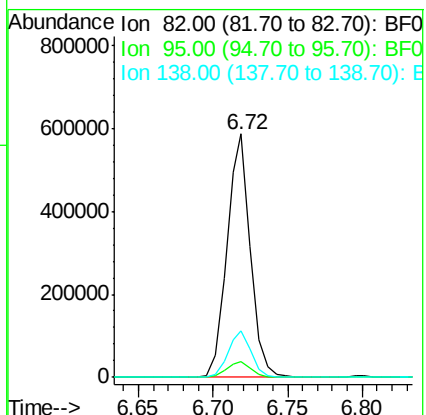
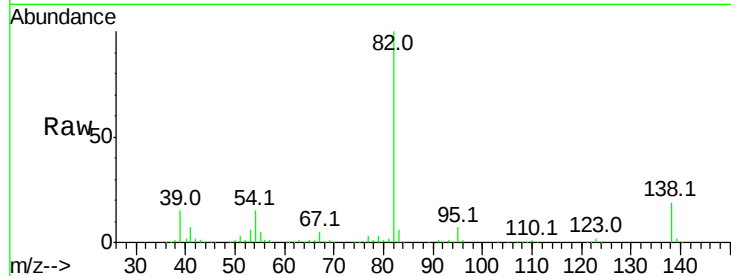
Tot Ion: 82 Resp: 644504

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 19.3 13.1 19.7



#26

2-Nitrophenol

Concen: 39.83 ng

RT: 6.80 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

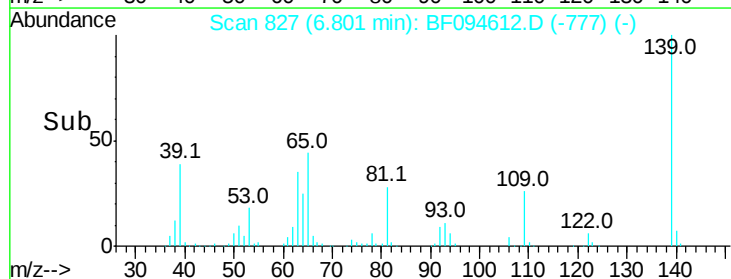
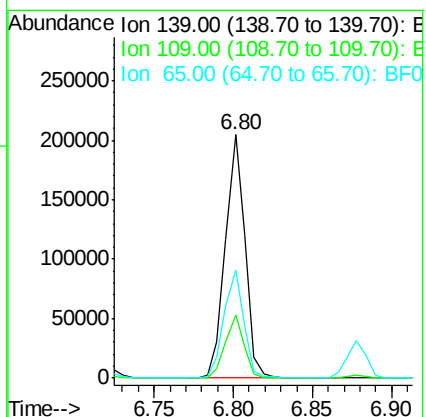
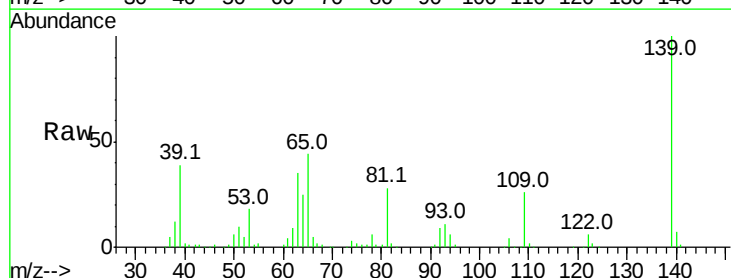
Tgt Ion:139 Resp: 176479

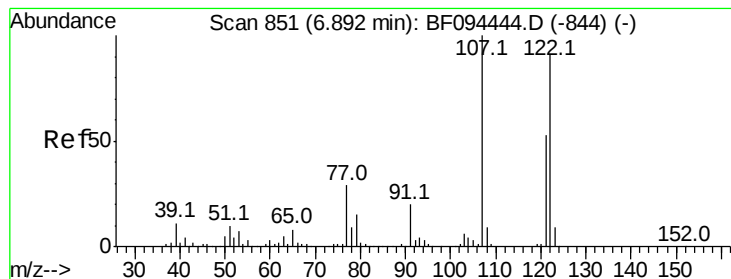
Ion Ratio Lower Upper

139 100

109 25.8 21.0 31.6

65 44.2 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 43.71 ng

RT: 6.88 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

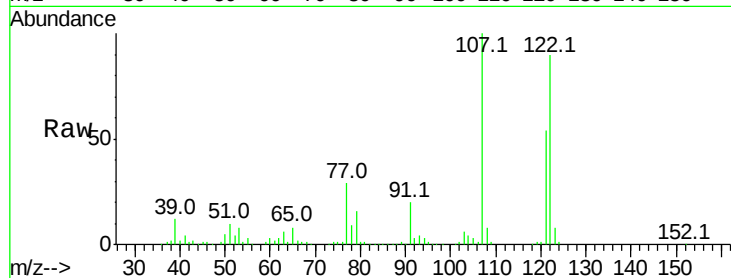
Tot Ion:122 Resp: 314605

Ion Ratio Lower Upper

122 100

107 111.5 89.2 133.8

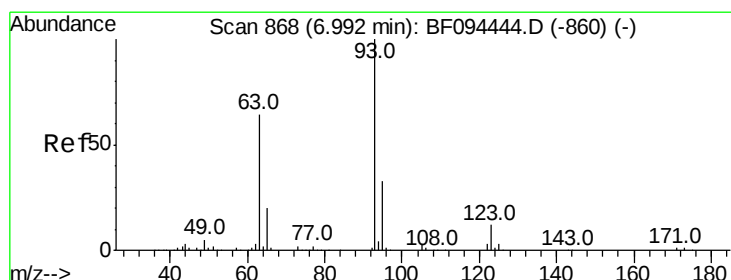
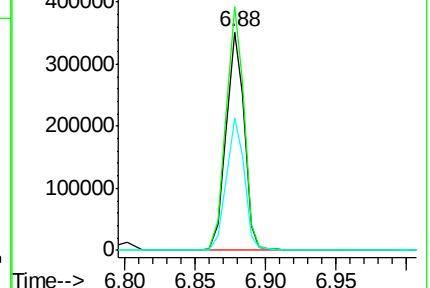
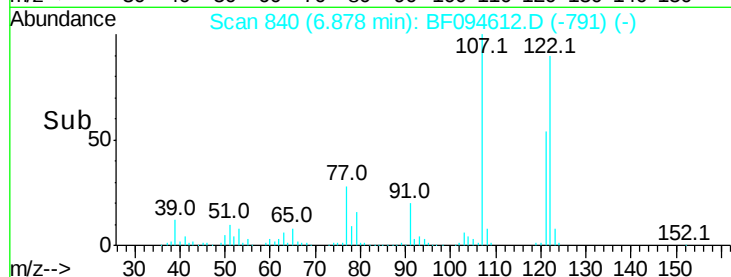
121 60.6 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.28 ng

RT: 6.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

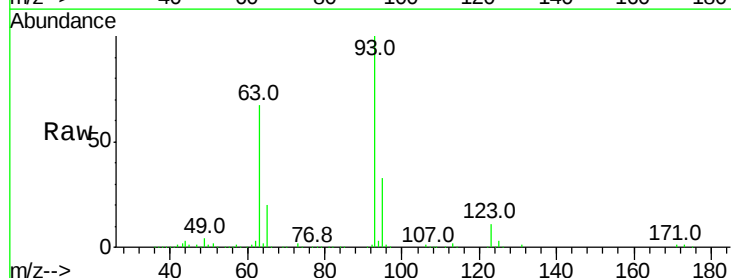
Tgt Ion: 93 Resp: 415838

Ion Ratio Lower Upper

93 100

95 33.1 26.5 39.7

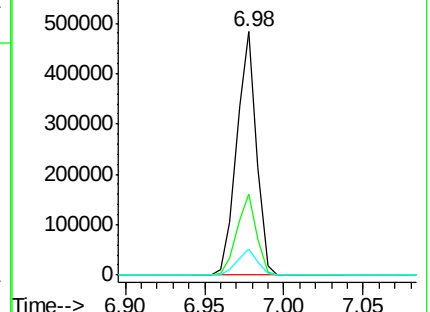
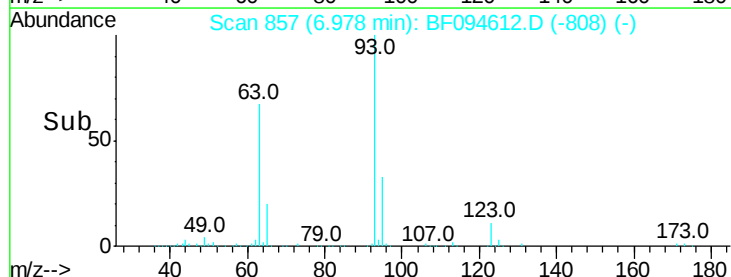
123 10.8 9.0 13.4

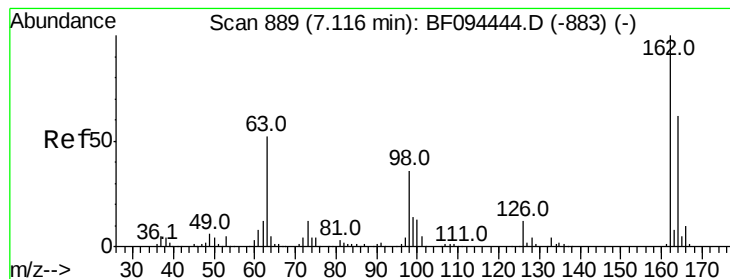


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 43.88 ng

RT: 7.10 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampled :

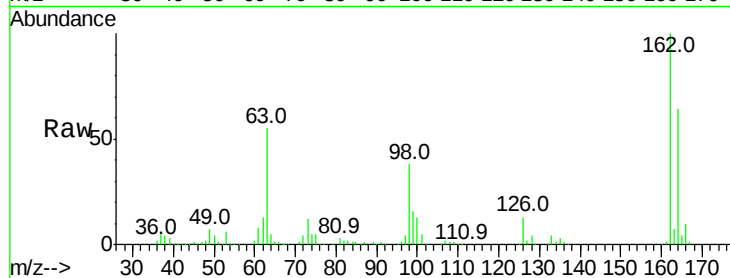
Tot Ion:162 Resp: 293832

Ion Ratio Lower Upper

162 100

164 63.6 44.6 84.6

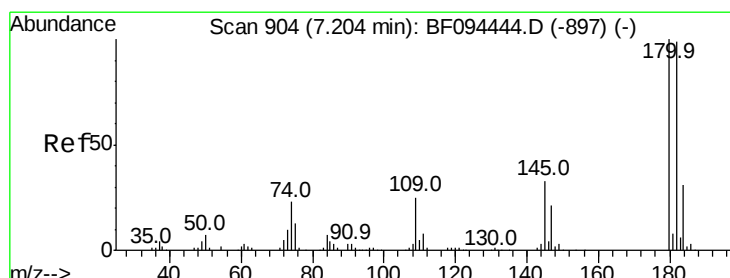
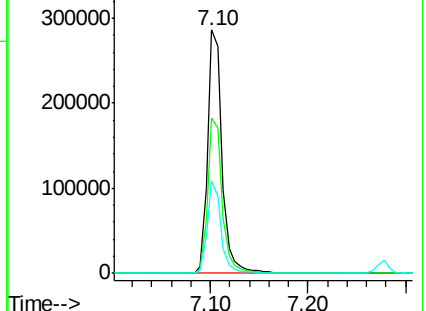
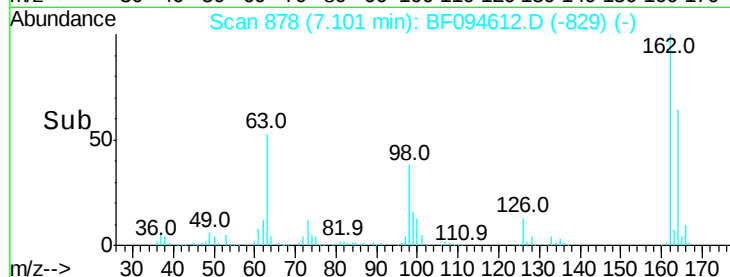
98 38.2 14.8 54.8



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: 43.03 ng

RT: 7.19 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

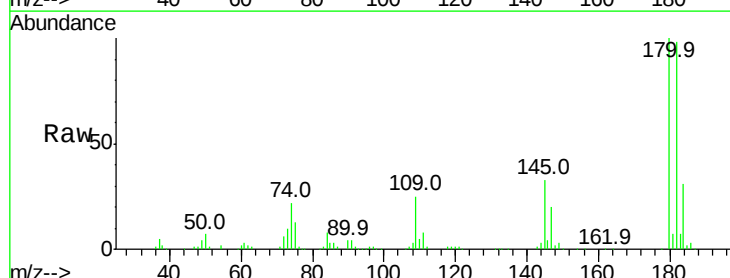
Tgt Ion:180 Resp: 297920

Ion Ratio Lower Upper

180 100

182 97.6 75.8 113.6

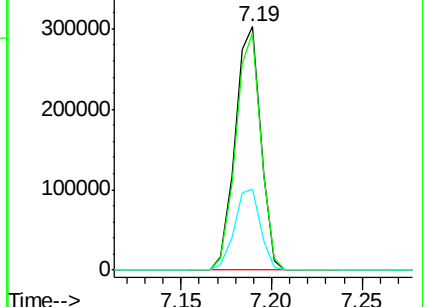
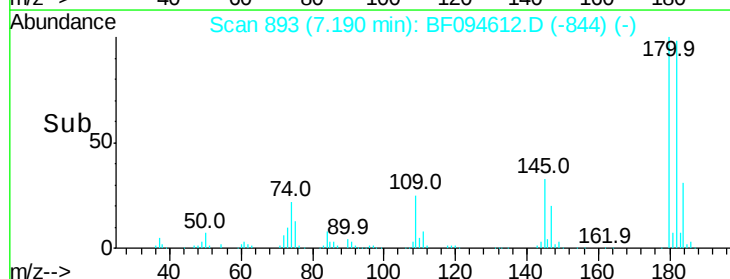
145 33.2 25.3 37.9

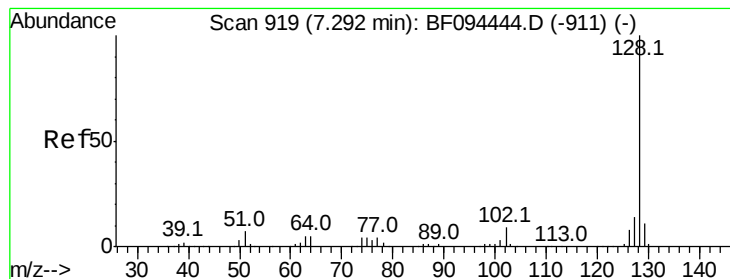


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.53 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

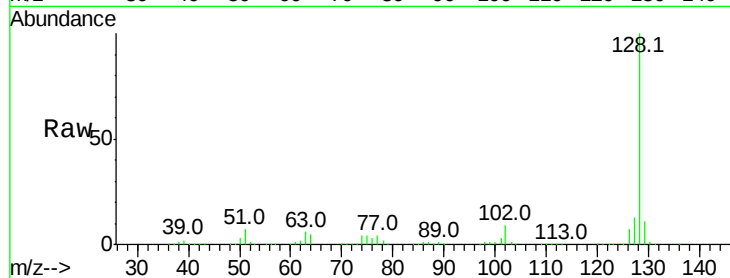
Tot Ion:128 Resp: 1012029

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

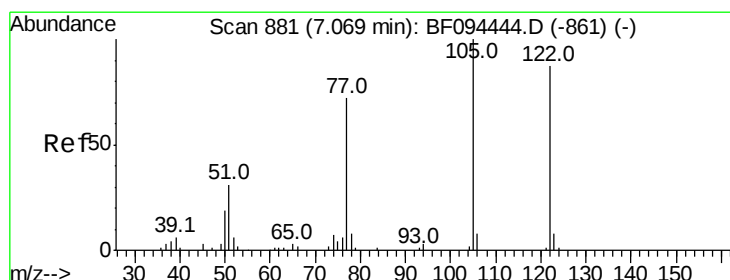
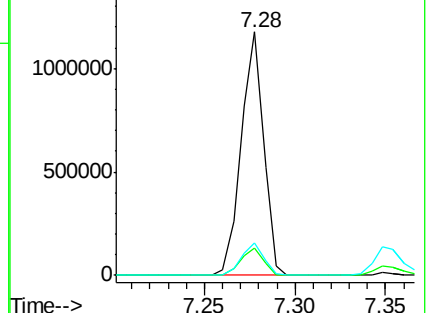
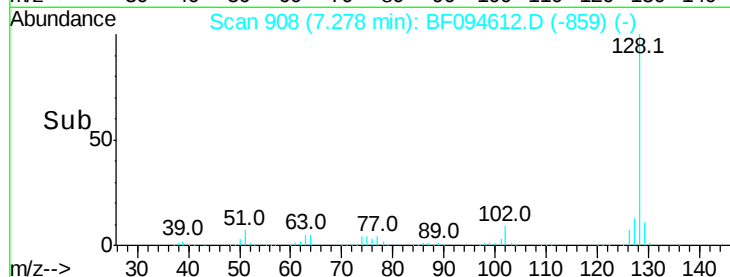
127 13.4 10.8 16.2



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: 82.65 ng

RT: 6.88 min Scan# 840

Delta R.T. -0.19 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

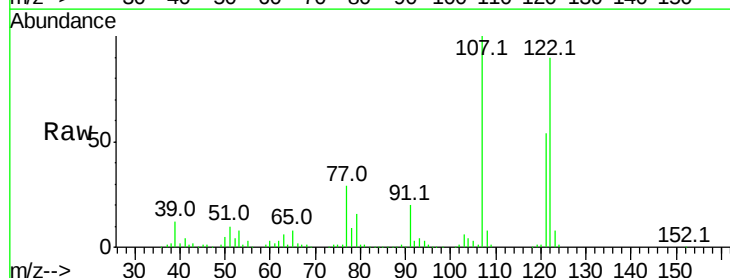
Tgt Ion:122 Resp: 314605

Ion Ratio Lower Upper

122 100

105 3.6 103.3 143.3#

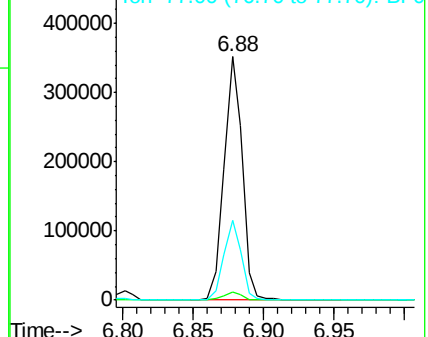
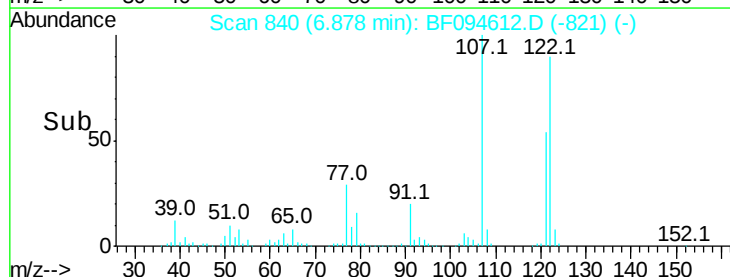
77 32.6 73.7 113.7#

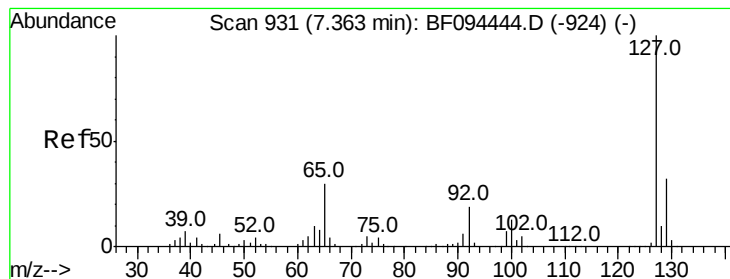


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 17.02 ng

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 164618

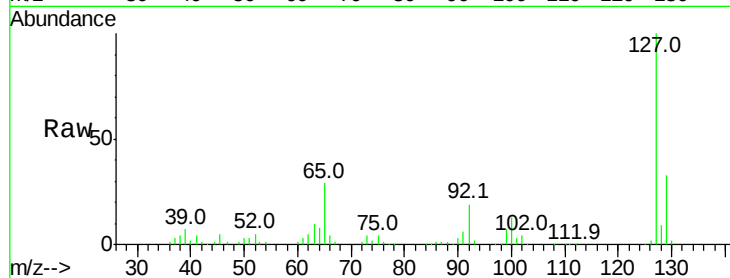
Ion Ratio Lower Upper

127 100

129 33.1 26.2 39.2

65 29.0 27.8 41.8

92 18.7 16.8 25.2

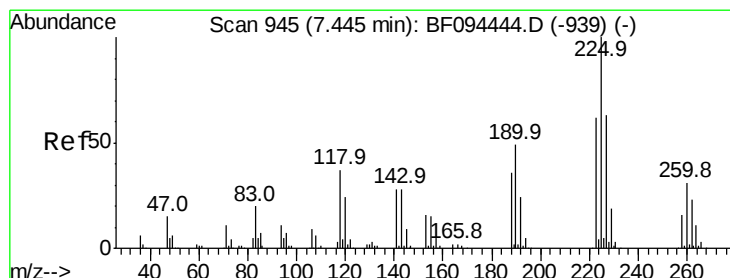
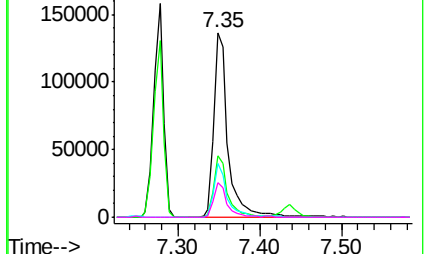
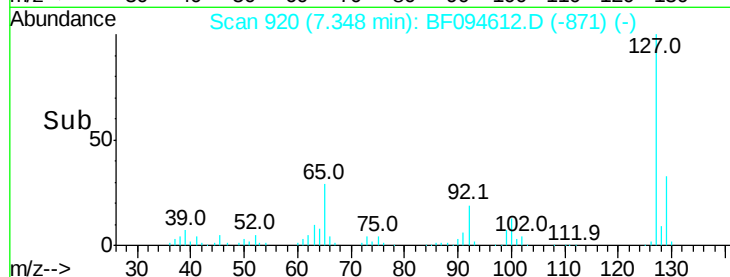


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 43.14 ng

RT: 7.43 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

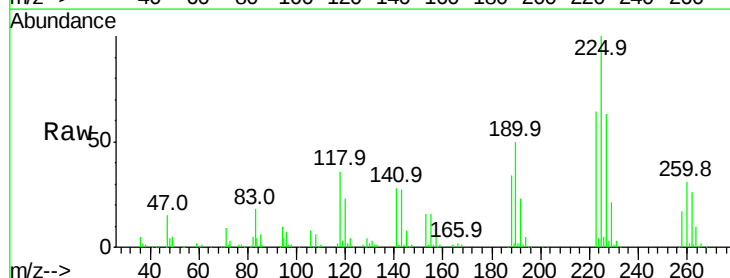
Tgt Ion:225 Resp: 148904

Ion Ratio Lower Upper

225 100

223 63.8 48.8 73.2

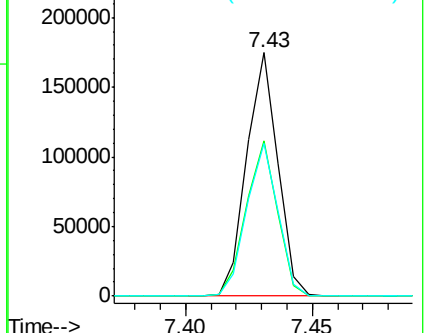
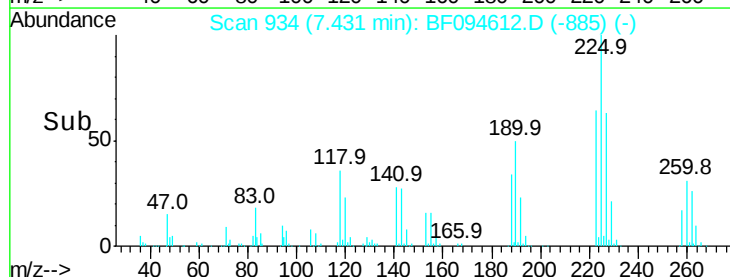
227 63.0 51.1 76.7

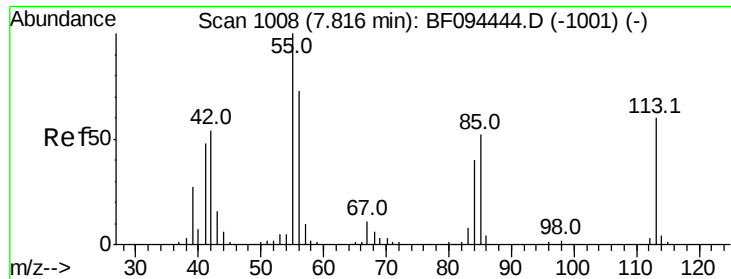


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

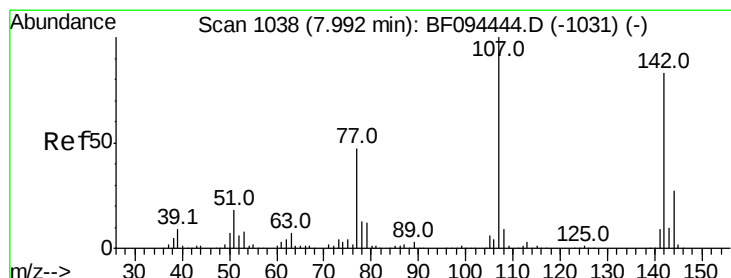
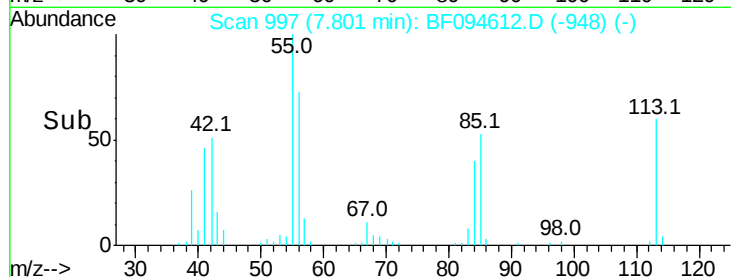
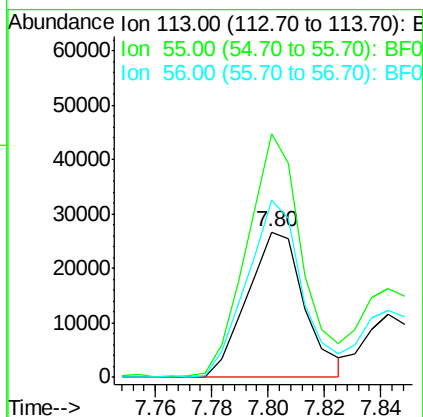
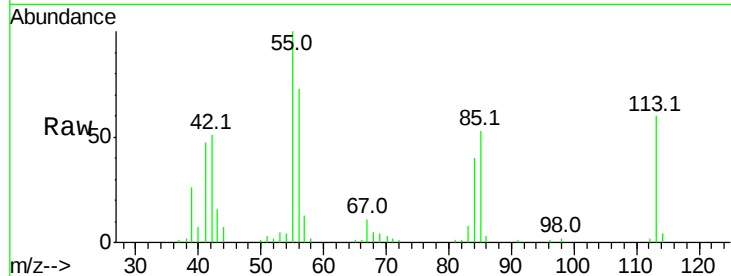




#35  
 Caprolactam  
 Concen: 17.88 ng  
 RT: 7.80 min Scan# 997  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

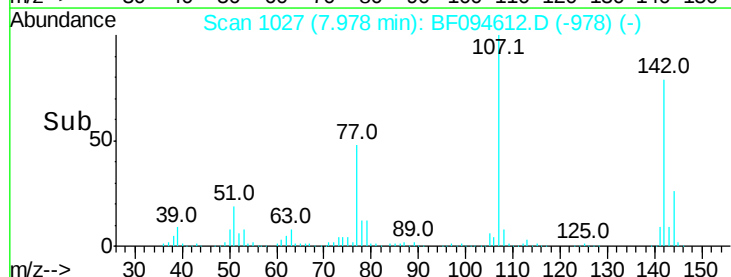
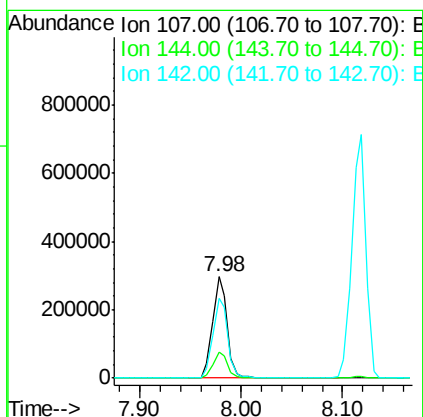
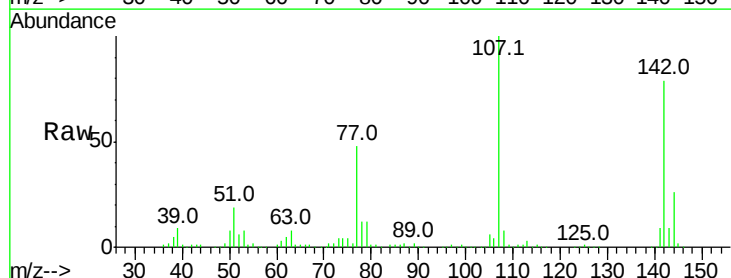
Instrument :  
 BNA\_F  
 ClientSampleId :

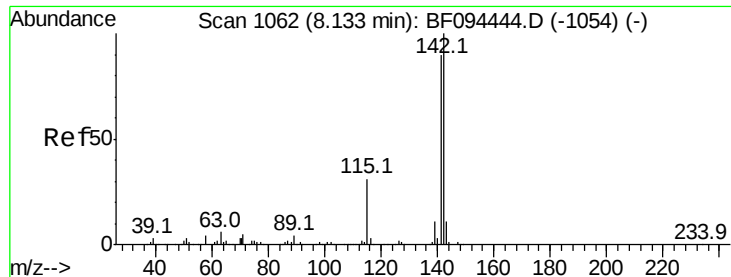
Tot Ion:113 Resp: 37603  
 Ion Ratio Lower Upper  
 113 100  
 55 167.8 150.2 190.2  
 56 122.0 107.8 147.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 42.29 ng  
 RT: 7.98 min Scan# 1027  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:107 Resp: 296738  
 Ion Ratio Lower Upper  
 107 100  
 144 25.8 24.2 36.4  
 142 79.5 73.4 110.0





#37

2-Methylnaphthalene

Concen: 43.14 ng

RT: 8.12 min Scan# 1051

Delta R.T. -0.01 min

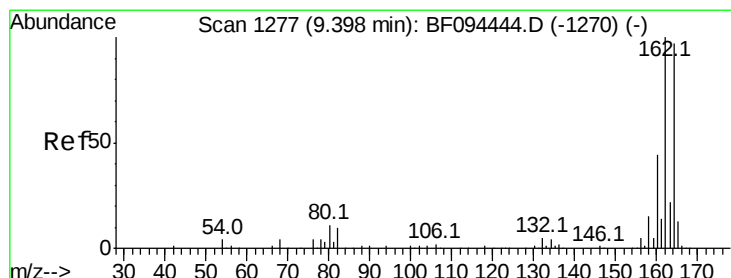
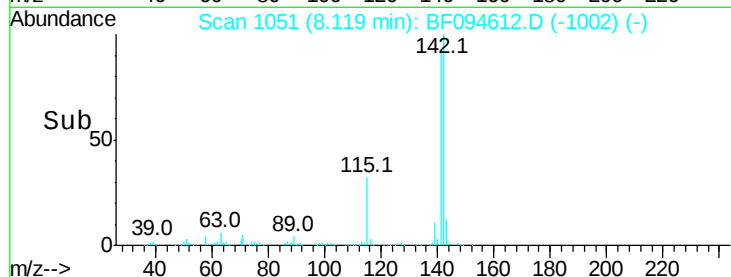
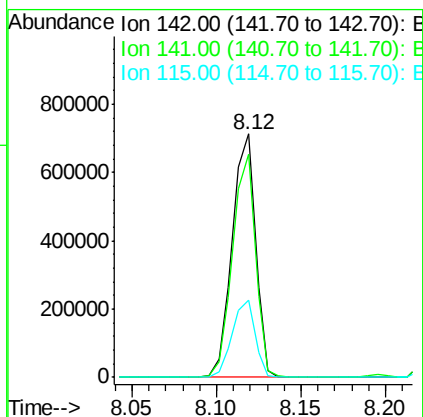
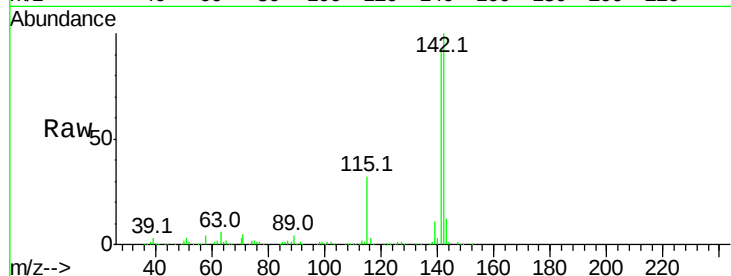
Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 686318

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 91.5  | 71.3  | 106.9 |
| 115 | 31.5  | 27.1  | 40.7  |



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1266

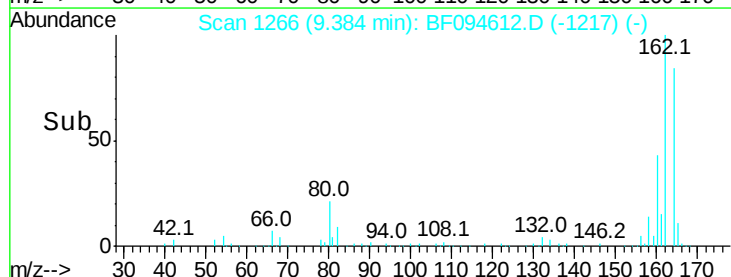
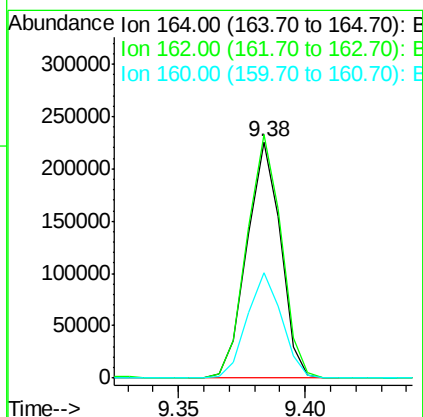
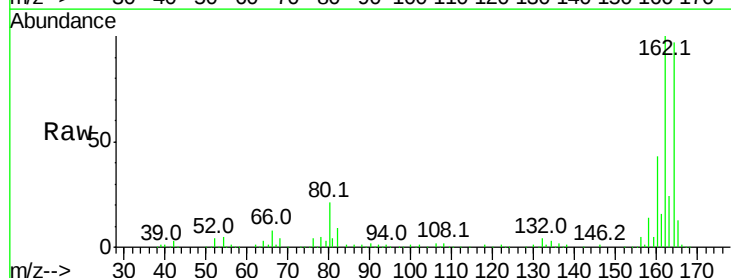
Delta R.T. -0.01 min

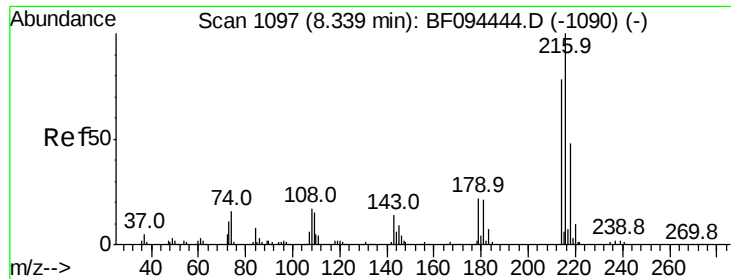
Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Tgt Ion:164 Resp: 208644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.9 | 82.6  | 123.8 |
| 160 | 44.5  | 36.2  | 54.2  |

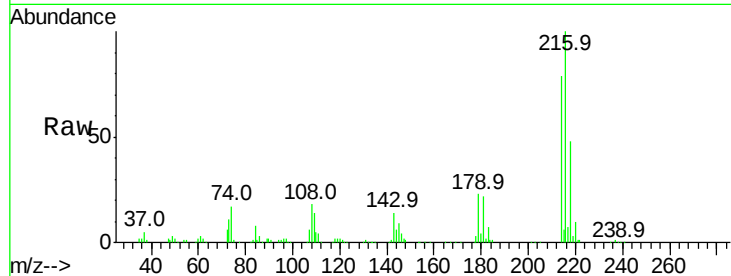




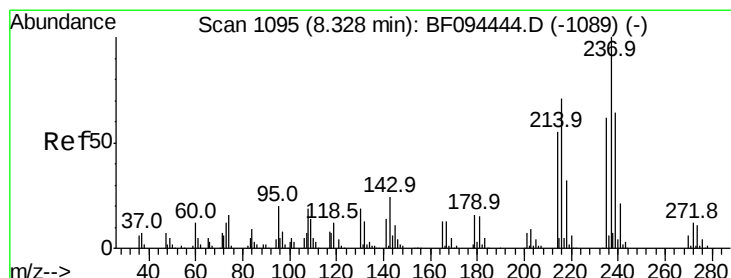
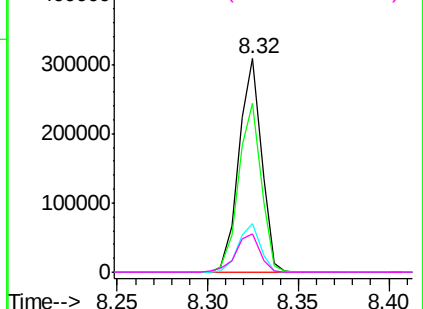
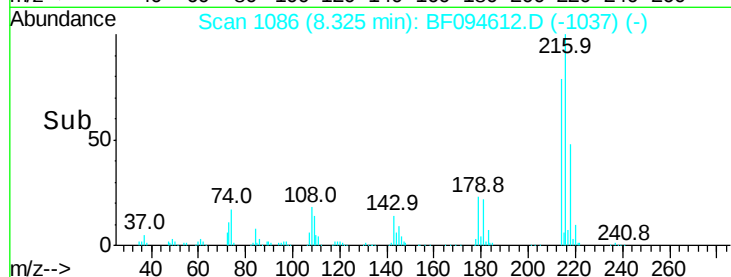
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 44.97 ng  
 RT: 8.32 min Scan# 1086  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 267180 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.2  | 63.4  | 95.2   |
| 179      | 22.4  | 17.9  | 26.9   |
| 108      | 19.2  | 16.5  | 24.7   |

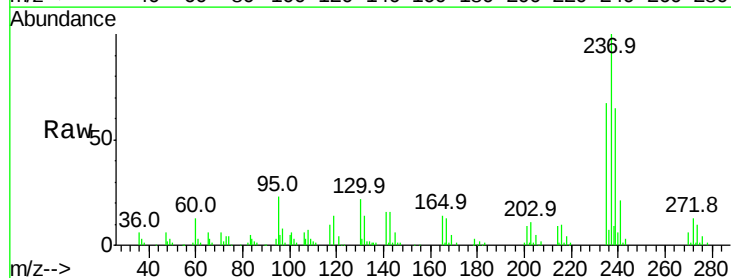


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

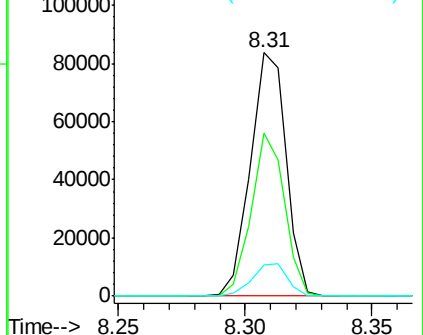
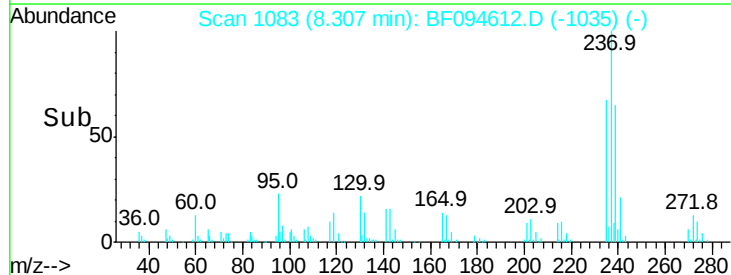


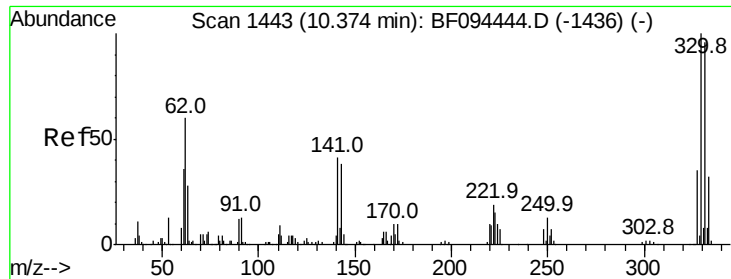
#40  
 Hexachlorocyclopentadiene  
 Concen: 34.28 ng  
 RT: 8.31 min Scan# 1083  
 Delta R.T. -0.02 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 82382 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 66.8  | 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

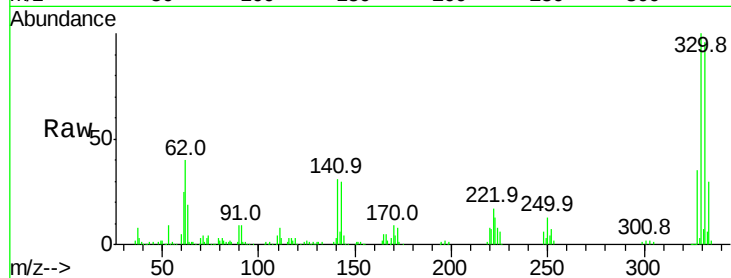




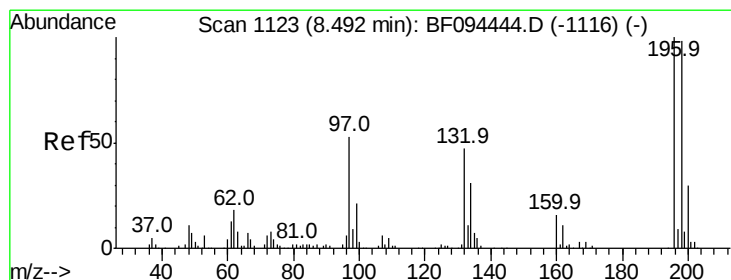
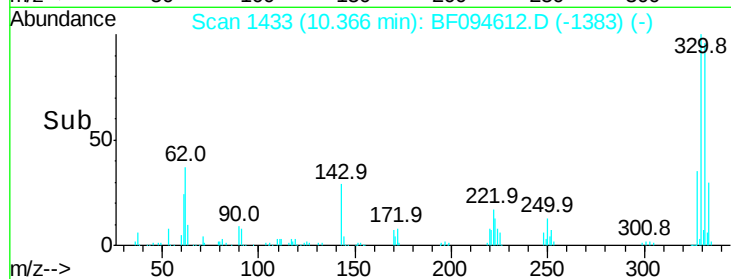
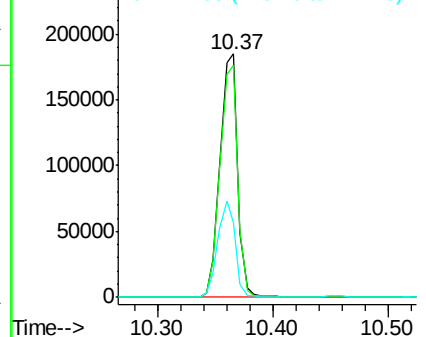
#41  
 2,4,6-Tribromophenol  
 Concen: 120.72 ng  
 RT: 10.37 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 197008  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 115.0  
 141 39.3 31.4 47.2

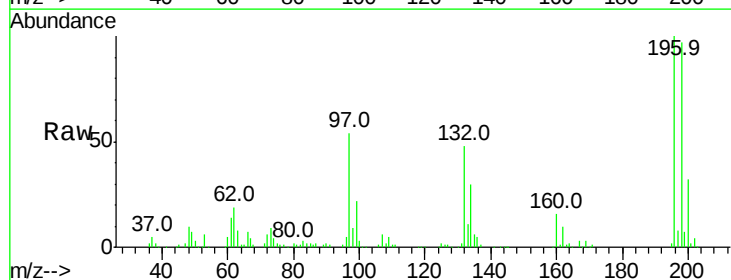


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

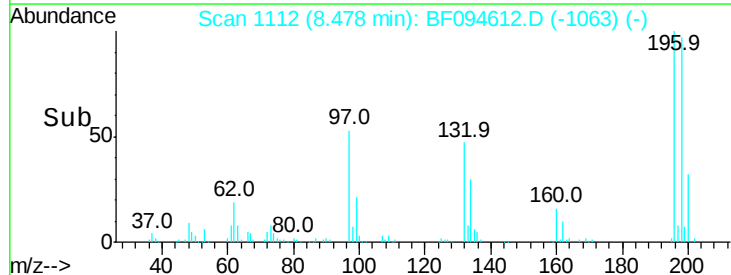
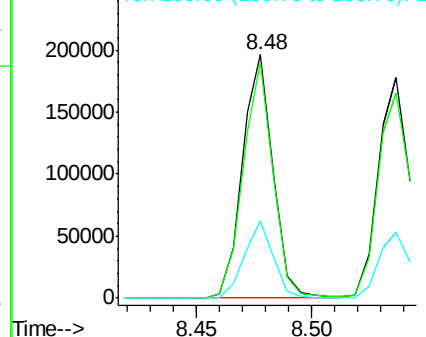


#42  
 2,4,6-Trichlorophenol  
 Concen: 43.28 ng  
 RT: 8.48 min Scan# 1112  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:196 Resp: 180567  
 Ion Ratio Lower Upper  
 196 100  
 198 96.7 74.2 111.4  
 200 31.8 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

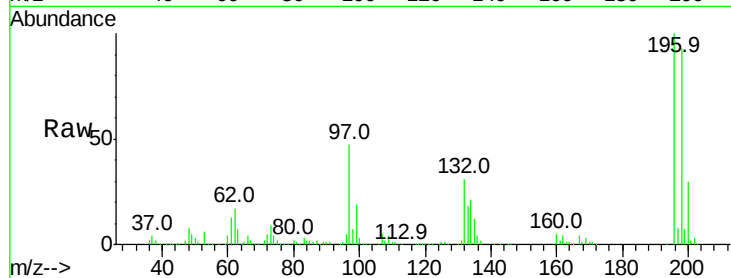




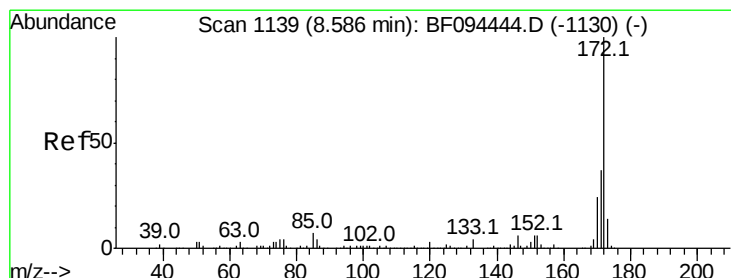
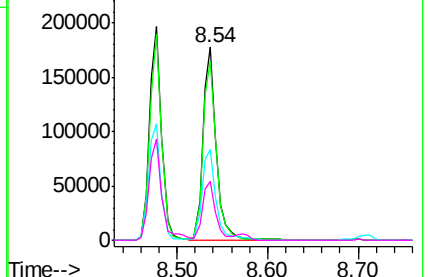
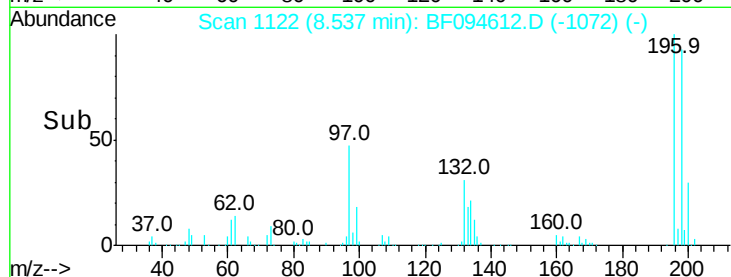
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.80 ng  
 RT: 8.54 min Scan# 1122  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 183388 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 93.0  | 75.7  | 113.5  |
| 97       | 47.0  | 47.7  | 71.5#  |
| 132      | 30.6  | 28.0  | 42.0   |

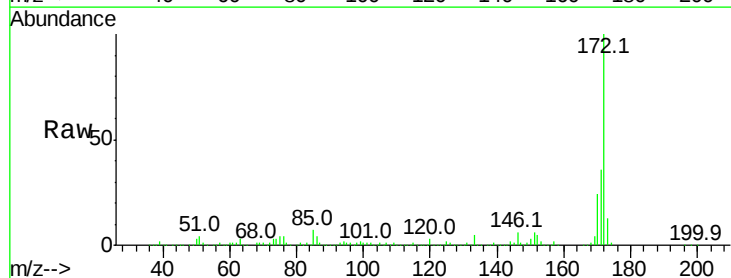


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

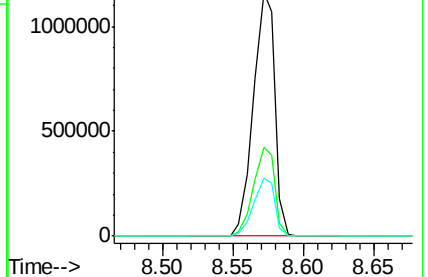
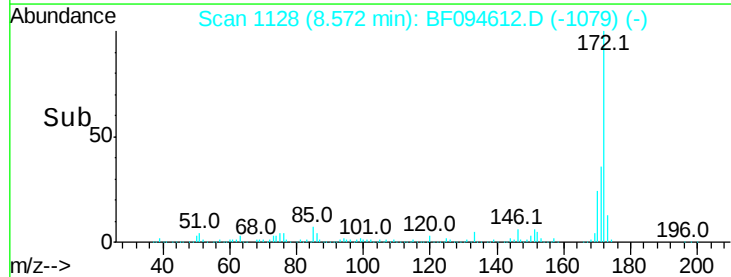


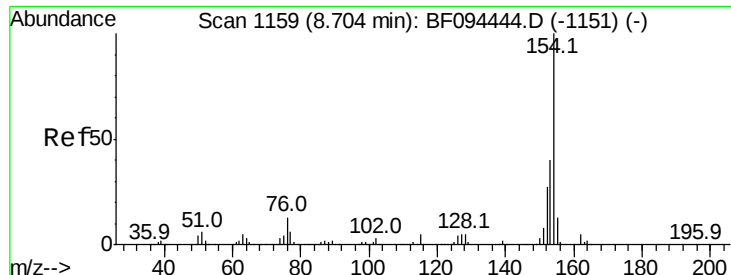
#44  
 2-Fluorobiphenyl  
 Concen: 87.85 ng  
 RT: 8.57 min Scan# 1128  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1245707 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.2  | 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

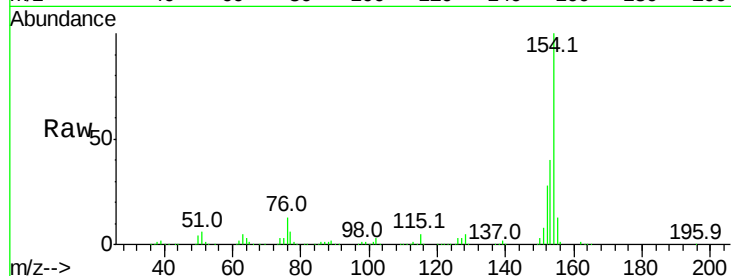




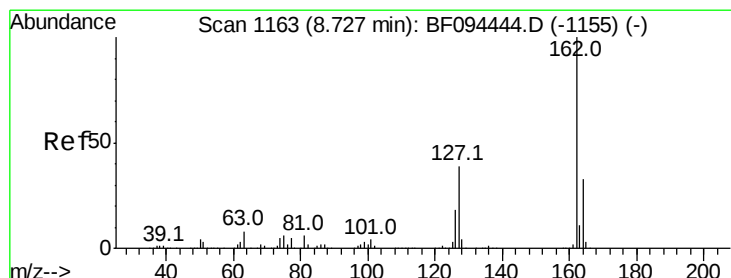
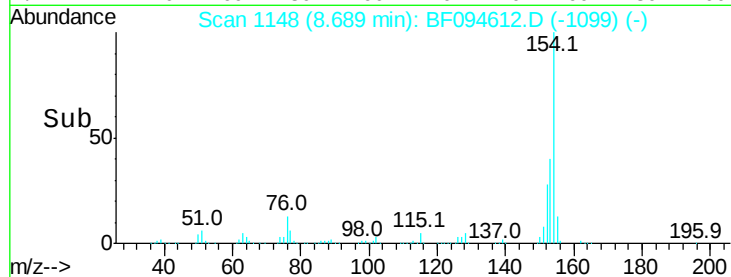
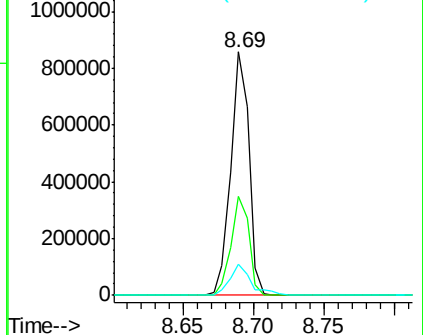
#45  
 1,1'-Biphenyl  
 Concen: 45.05 ng  
 RT: 8.69 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.4  | 21.2  | 61.2  |
| 76      | 13.1  | 0.0   | 29.9  |

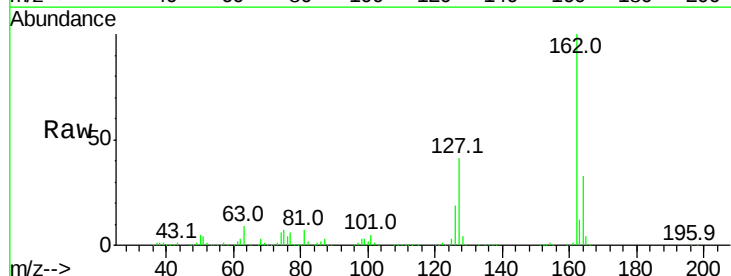


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

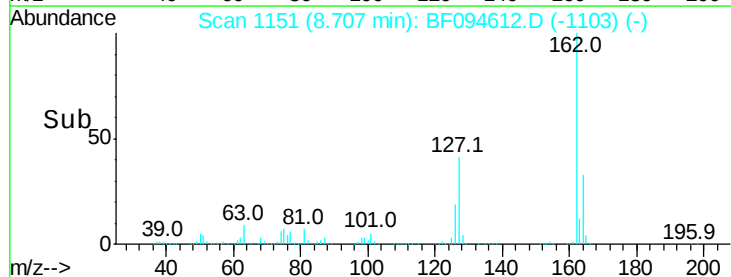
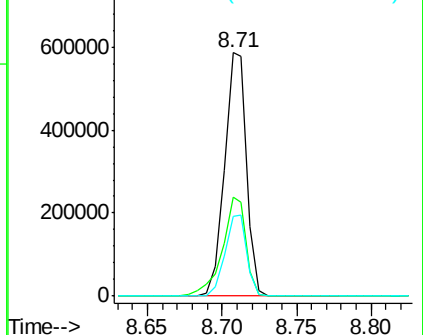


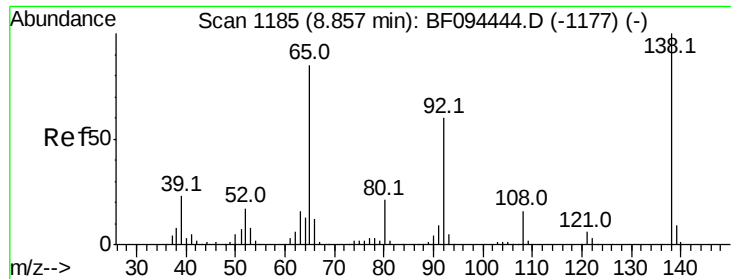
#46  
 2-Chloronaphthalene  
 Concen: 45.16 ng  
 RT: 8.71 min Scan# 1151  
 Delta R.T. -0.02 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.8  | 28.3  | 42.5  |
| 164     | 32.6  | 27.0  | 40.4  |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

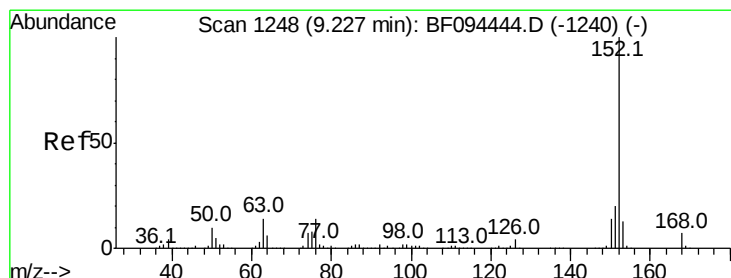
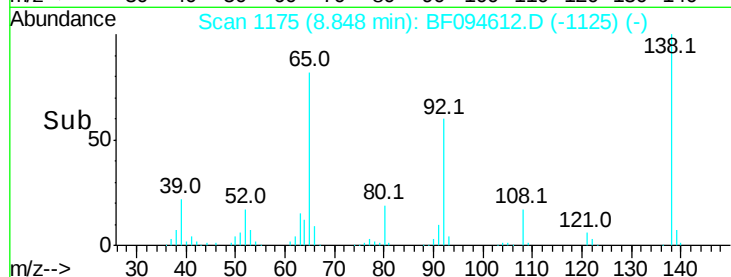
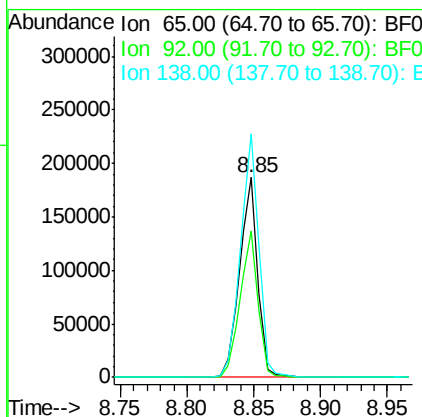
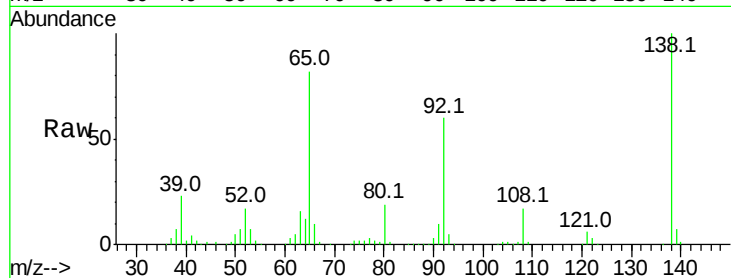




#47  
 2-Nitroaniline  
 Concen: 45.56 ng  
 RT: 8.85 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

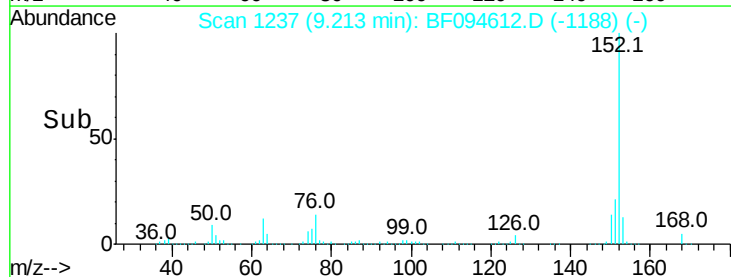
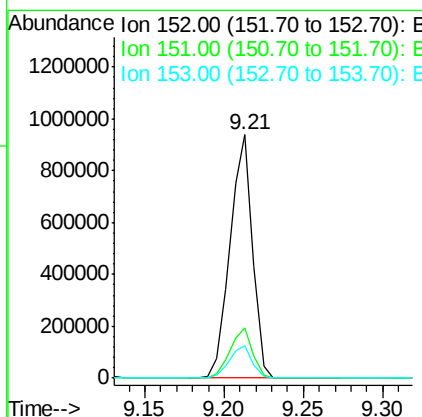
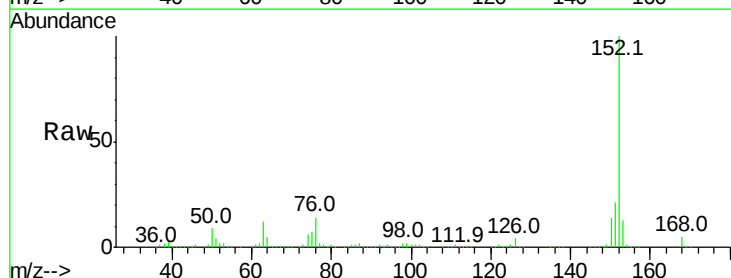
Instrument :  
 BNA\_F  
 ClientSampleId :

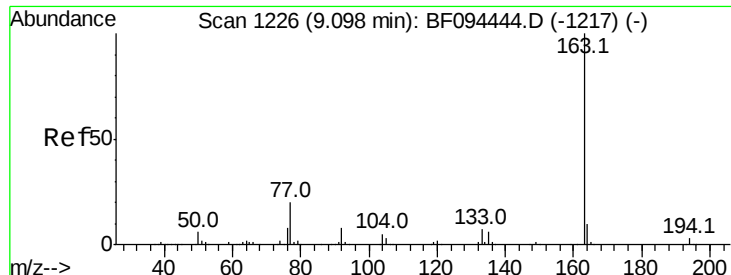
Tot Ion: 65 Resp: 177639  
 Ion Ratio Lower Upper  
 65 100  
 92 73.3 53.9 80.9  
 138 121.8 78.8 118.2#



#48  
 Acenaphthylene  
 Concen: 43.42 ng  
 RT: 9.21 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:152 Resp: 917500  
 Ion Ratio Lower Upper  
 152 100  
 151 20.7 16.8 25.2  
 153 13.1 10.8 16.2

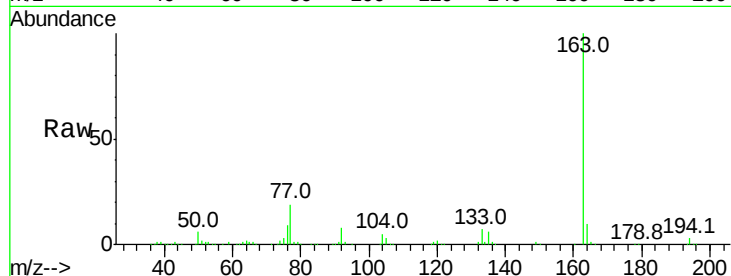




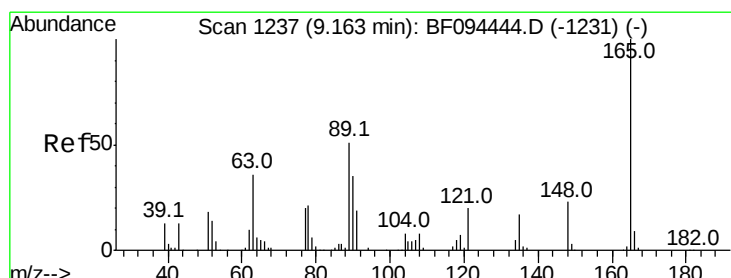
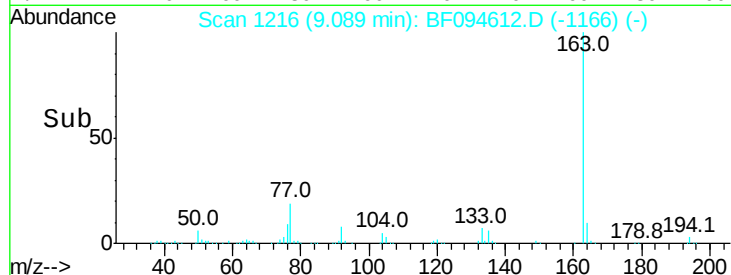
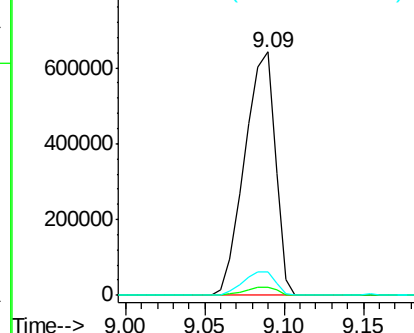
#49  
Dimethylphthalate  
Concen: 55.58 ng  
RT: 9.09 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 864271  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 9.8 8.4 12.6

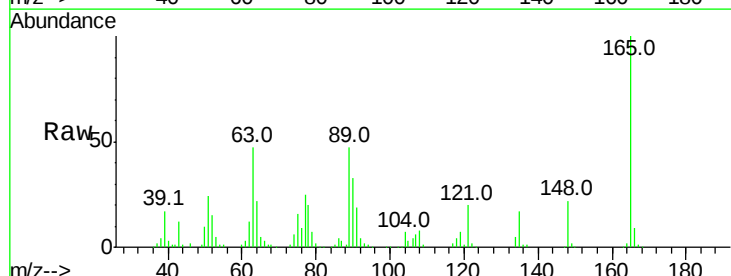


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

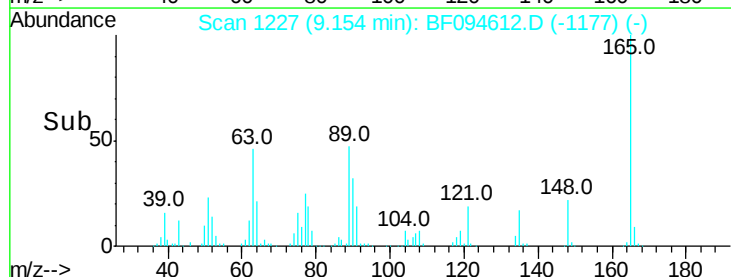
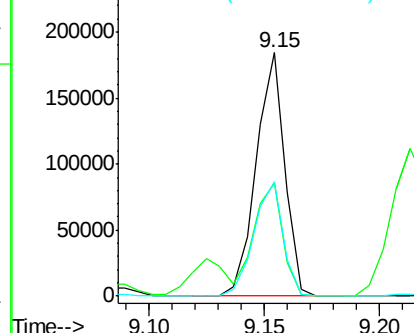


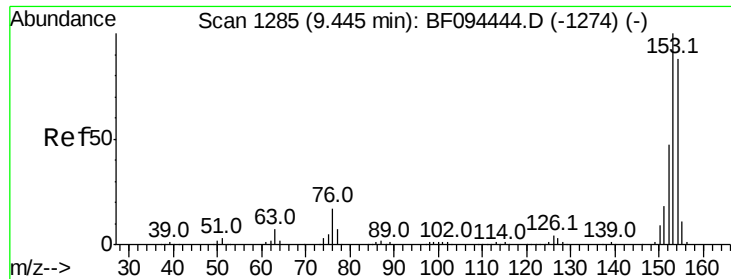
#50  
2,6-Dinitrotoluene  
Concen: 45.73 ng  
RT: 9.15 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:165 Resp: 159590  
Ion Ratio Lower Upper  
165 100  
63 46.7 34.3 51.5  
89 47.2 37.1 55.7



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

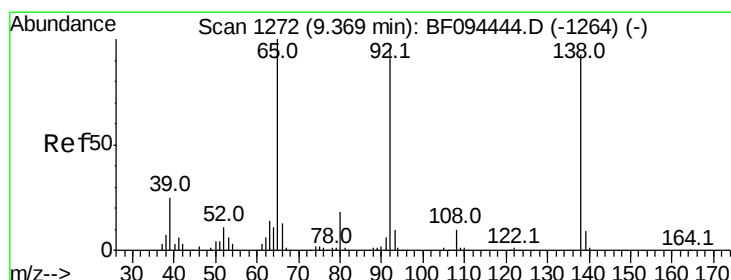
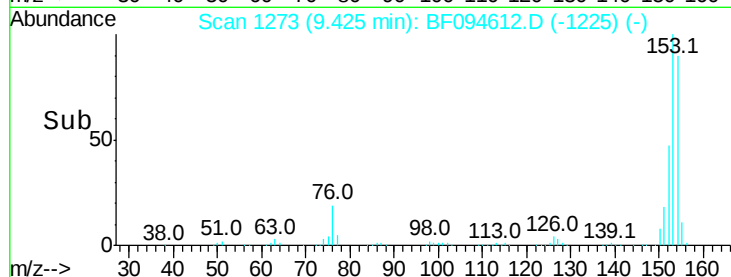
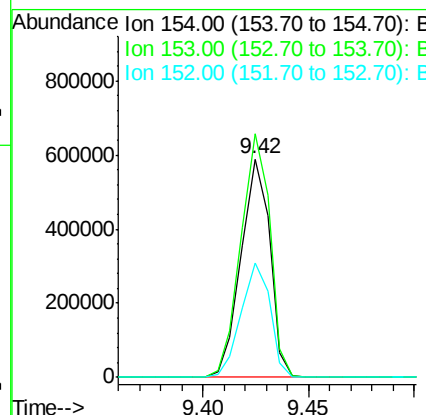
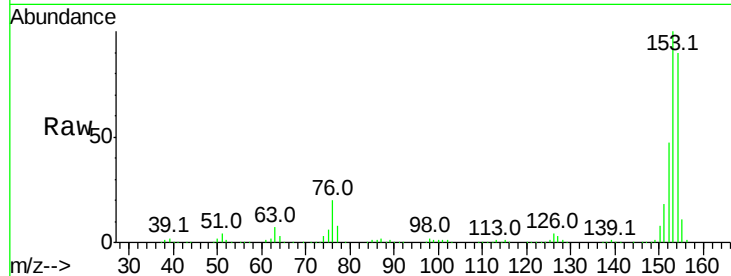




#51  
Acenaphthene  
Concen: 44.11 ng  
RT: 9.42 min Scan# 1273  
Delta R.T. -0.02 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

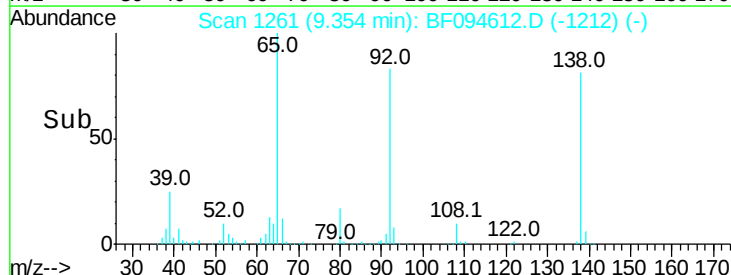
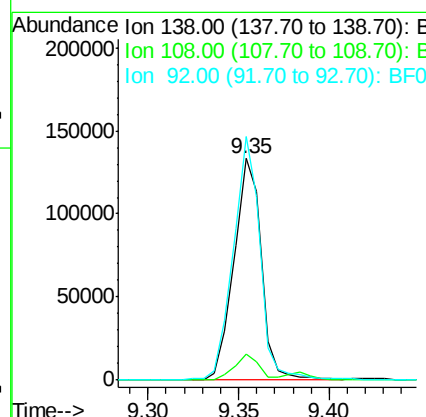
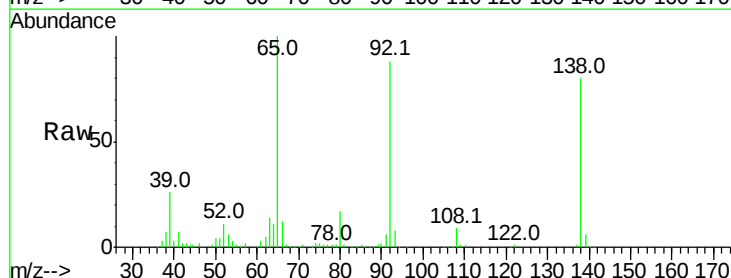
Instrument :  
BNA\_F  
ClientSampleId :

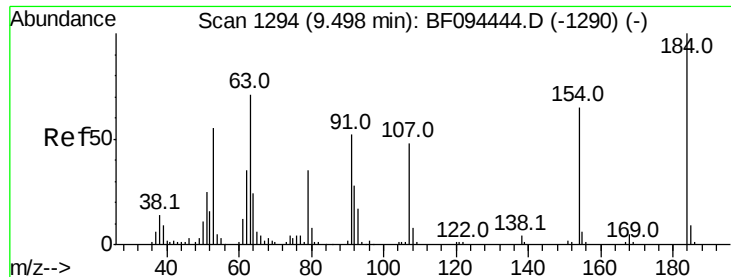
Tot Ion:154 Resp: 558211  
Ion Ratio Lower Upper  
154 100  
153 111.6 90.5 135.7  
152 52.3 43.6 65.4



#52  
3-Nitroaniline  
Concen: 35.00 ng  
RT: 9.35 min Scan# 1261  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:138 Resp: 141324  
Ion Ratio Lower Upper  
138 100  
108 11.8 9.1 13.7  
92 109.8 93.8 140.6

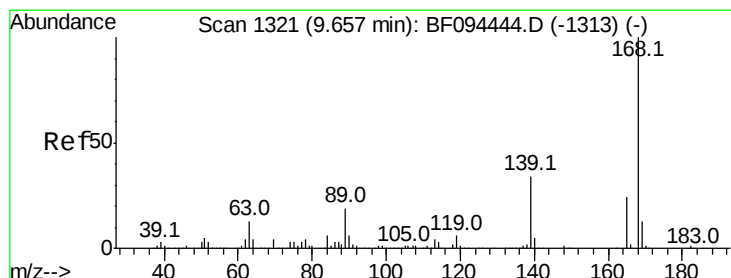
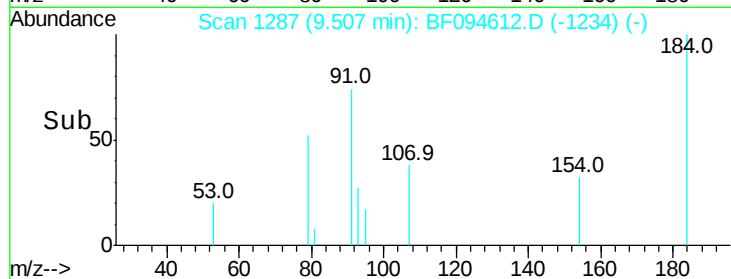
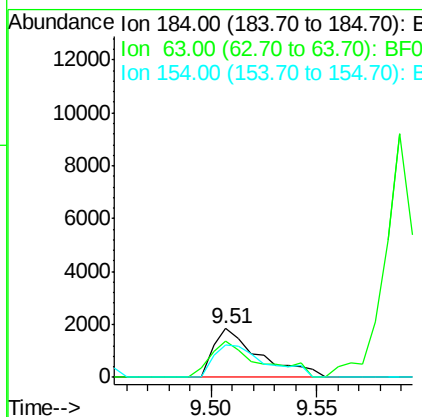
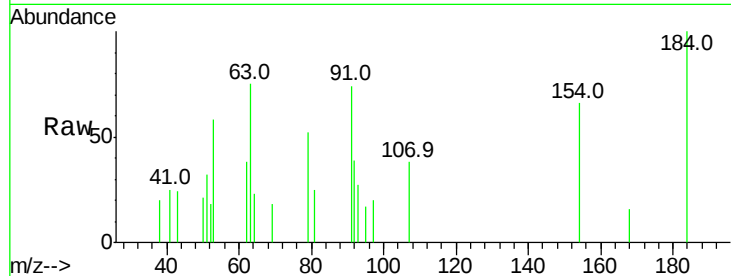




#53  
 2,4-Dinitrophenol  
 Concen: 7.13 ng  
 RT: 9.51 min Scan# 1287  
 Delta R.T. 0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

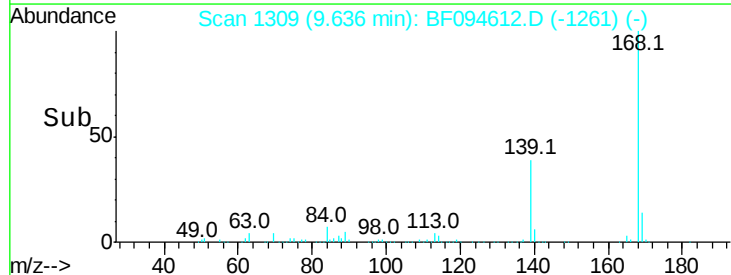
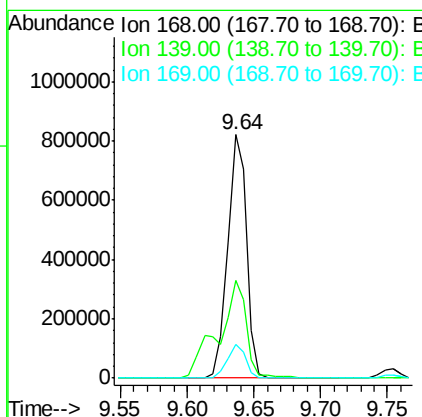
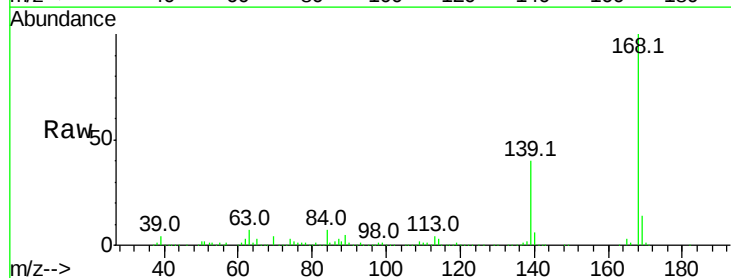
Instrument :  
 BNA\_F  
 ClientSampleId :

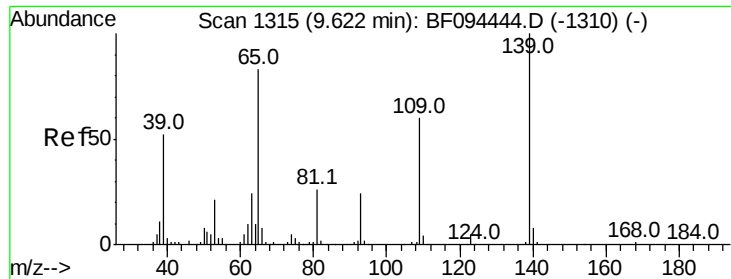
Tot Ion:184 Resp: 2799  
 Ion Ratio Lower Upper  
 184 100  
 63 75.5 62.7 94.1  
 154 65.8 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 44.59 ng  
 RT: 9.64 min Scan# 1309  
 Delta R.T. -0.02 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:168 Resp: 820149  
 Ion Ratio Lower Upper  
 168 100  
 139 40.1 30.6 45.8  
 169 13.9 10.8 16.2





#55

4-Nitrophenol

Concen: 172.54 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampled :

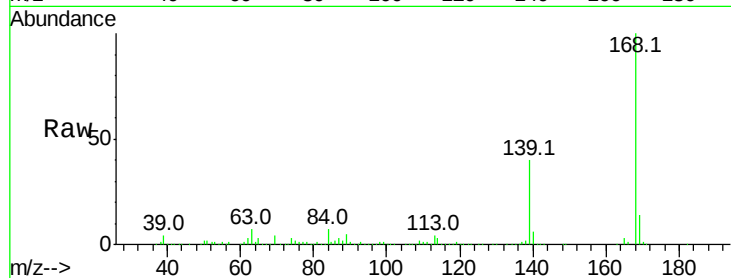
Tot Ion:139 Resp: 492195

Ion Ratio Lower Upper

139 100

109 4.0 34.1 74.1#

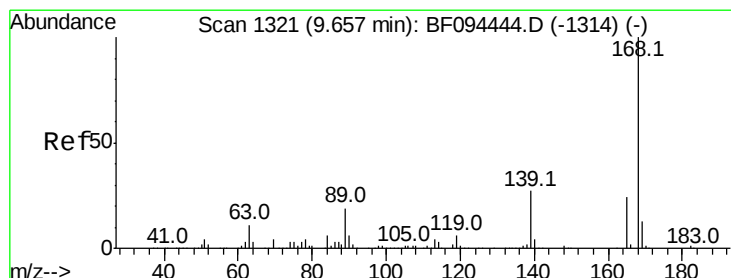
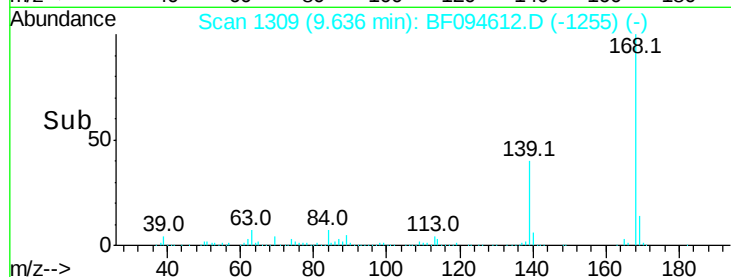
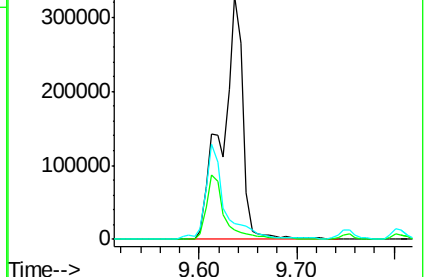
65 6.3 31.4 71.4#



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): E



#56

2,4-Dinitrotoluene

Concen: 46.06 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Tgt Ion:165 Resp: 197240

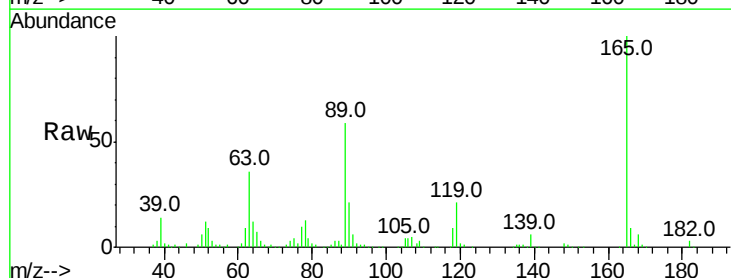
Ion Ratio Lower Upper

165 100

63 35.5 25.4 38.0

89 59.3 46.4 69.6

182 2.5 1.8 2.6

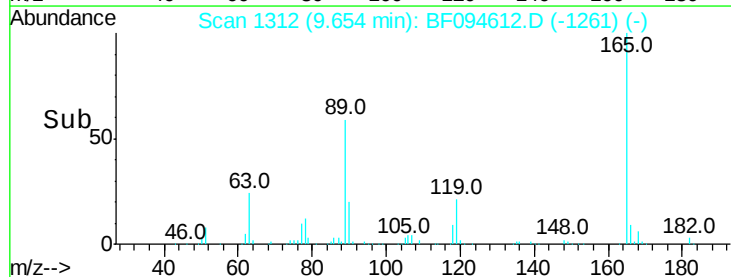
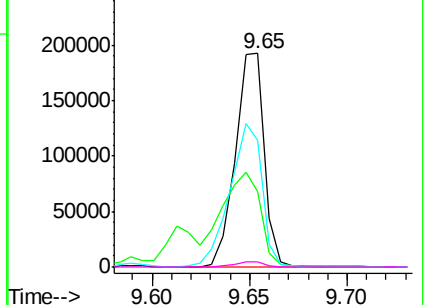


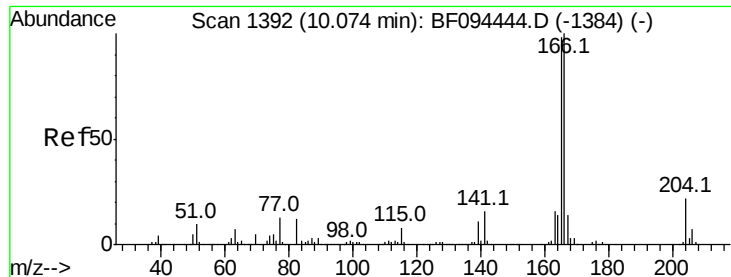
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 43.21 ng

RT: 10.06 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

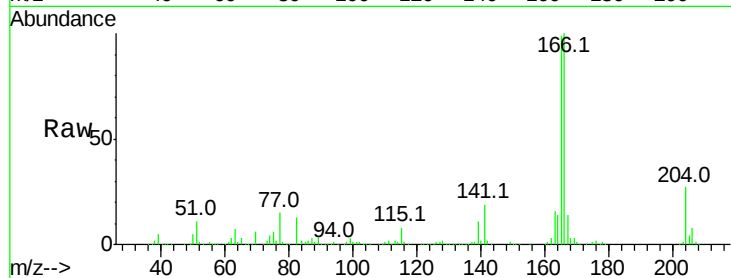
Tot Ion:166 Resp: 618874

Ion Ratio Lower Upper

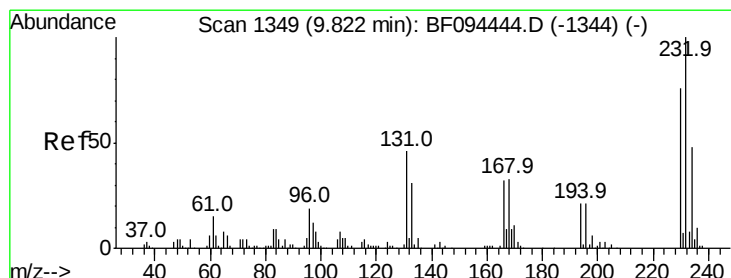
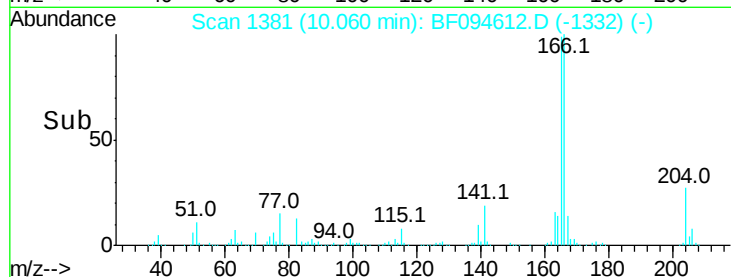
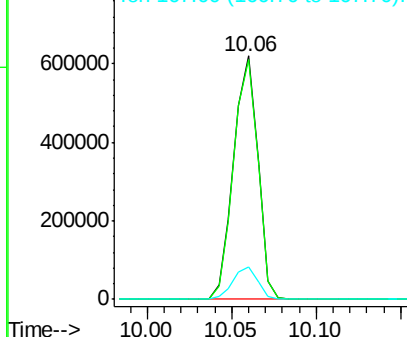
166 100

165 98.5 78.8 118.2

167 13.5 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: 39.59 ng

RT: 9.81 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Tgt Ion:232 Resp: 121594

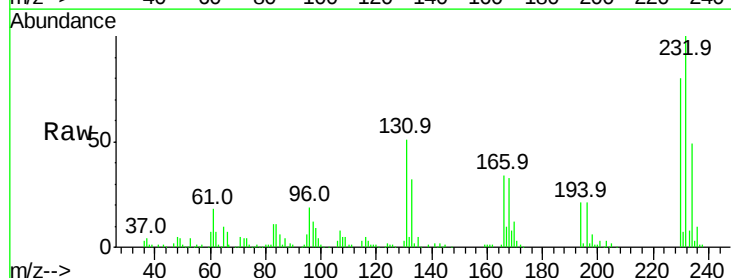
Ion Ratio Lower Upper

232 100

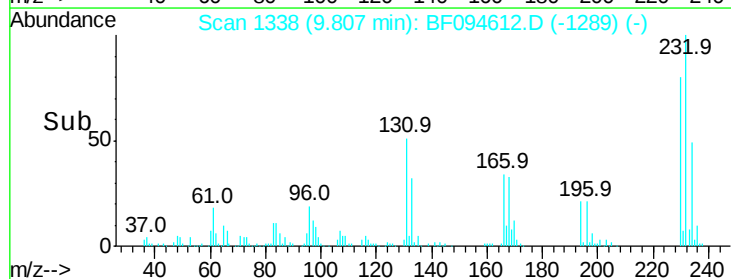
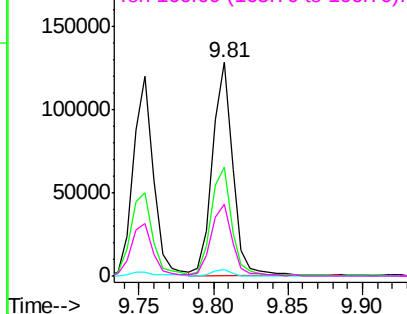
131 50.7 44.8 67.2

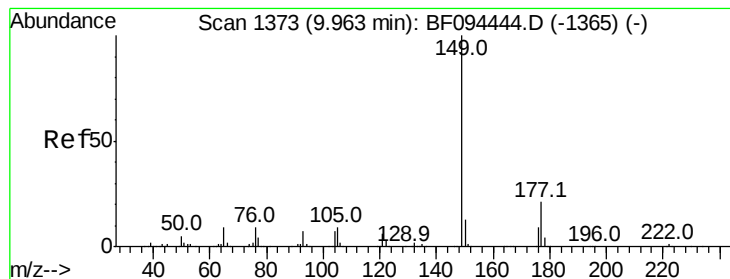
130 2.7 2.3 3.5

166 35.5 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: 46.62 ng

RT: 9.95 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

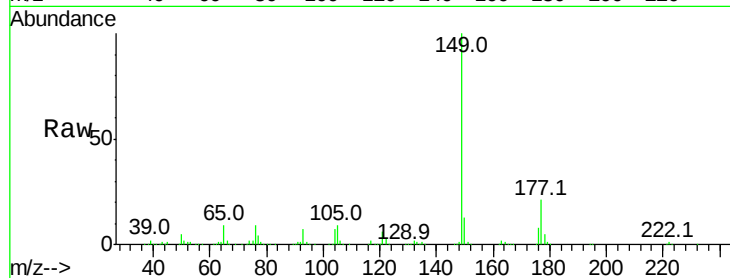
Tot Ion:149 Resp: 683964

Ion Ratio Lower Upper

149 100

177 21.4 16.7 25.1

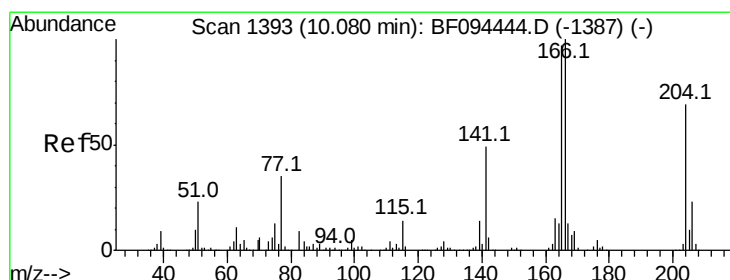
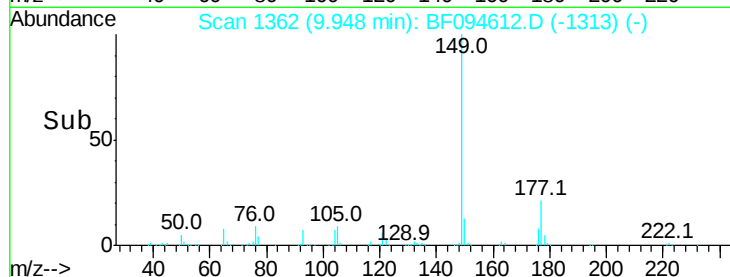
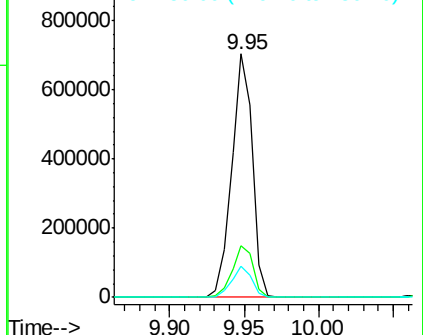
150 12.8 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.97 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

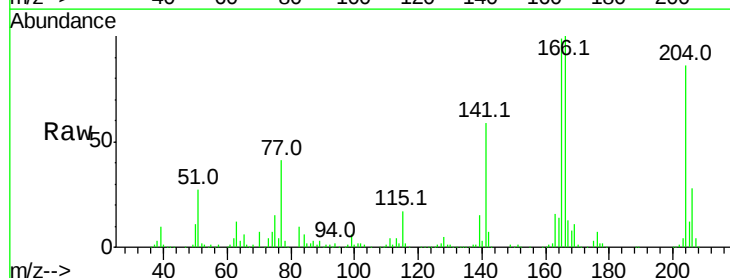
Tgt Ion:204 Resp: 274037

Ion Ratio Lower Upper

204 100

206 32.8 26.2 39.2

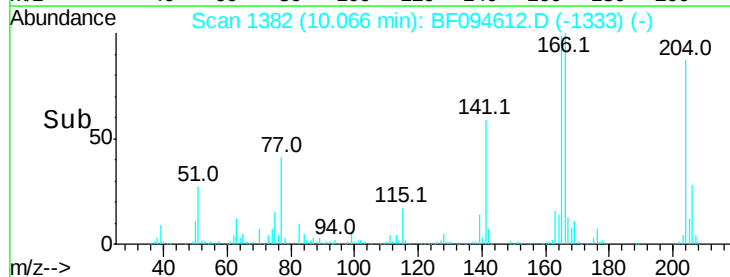
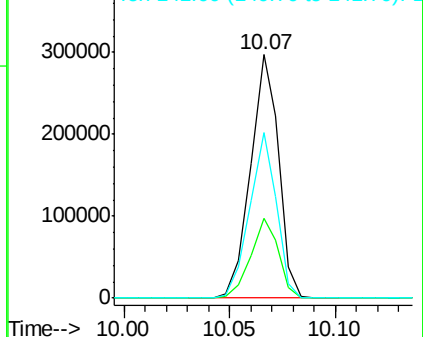
141 67.9 60.8 91.2

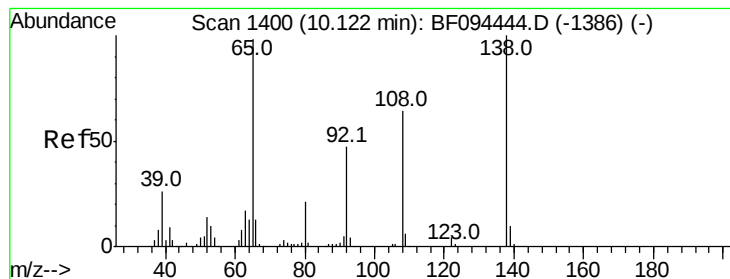


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 38.98 ng

RT: 10.11 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampled :

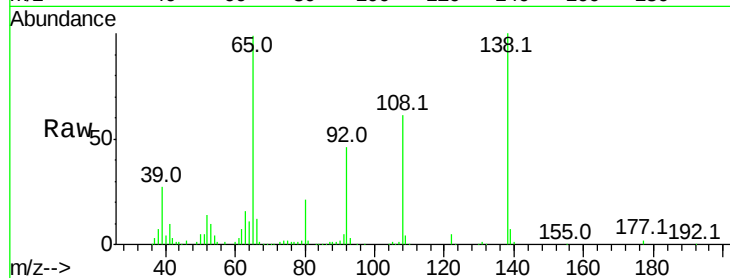
Tot Ion:138 Resp: 160013

Ion Ratio Lower Upper

138 100

92 45.6 21.8 61.8

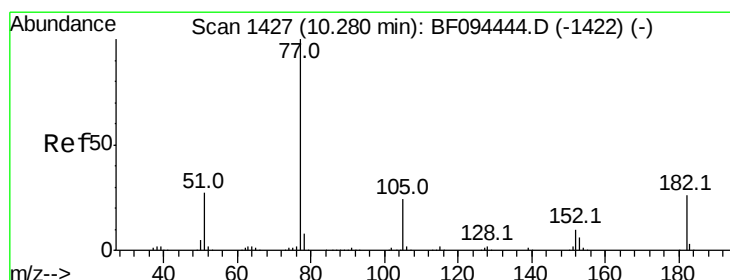
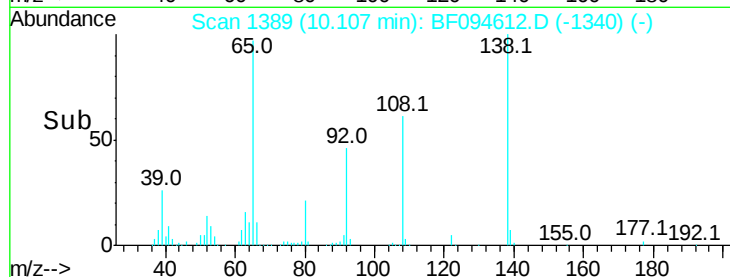
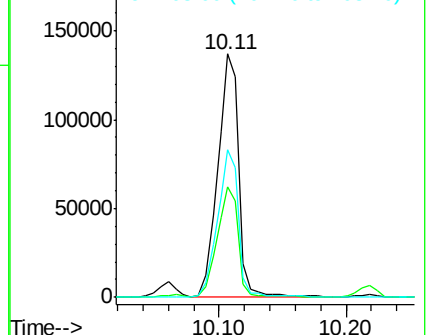
108 60.7 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 45.08 ng

RT: 10.26 min Scan# 1415

Delta R.T. -0.02 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Tgt Ion: 77 Resp: 642198

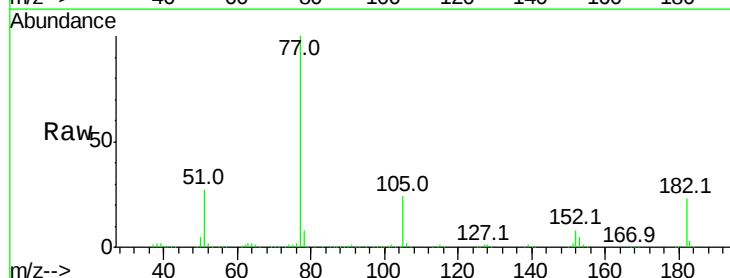
Ion Ratio Lower Upper

77 100

182 22.8 0.1 40.1

105 23.6 3.6 43.6

51 27.2 9.4 49.4

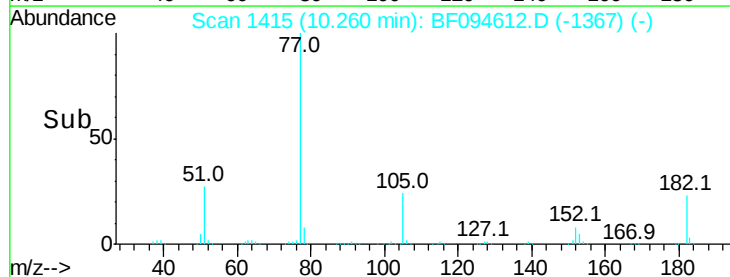
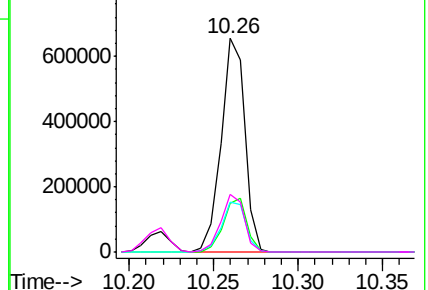


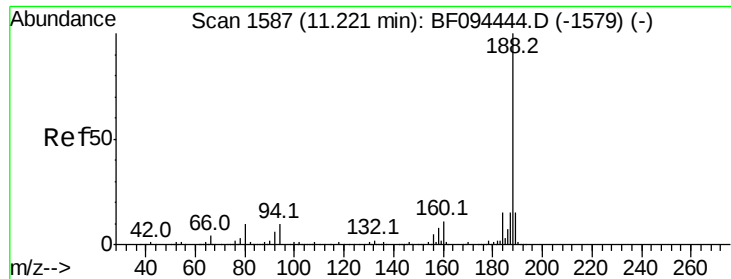
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

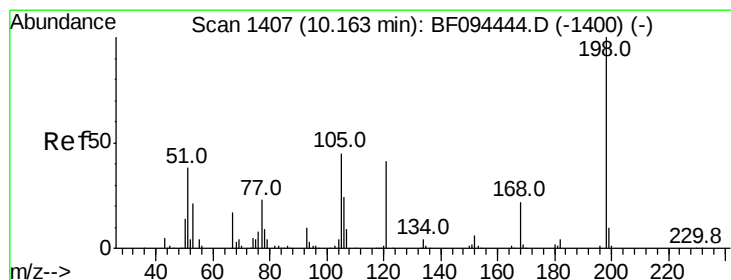
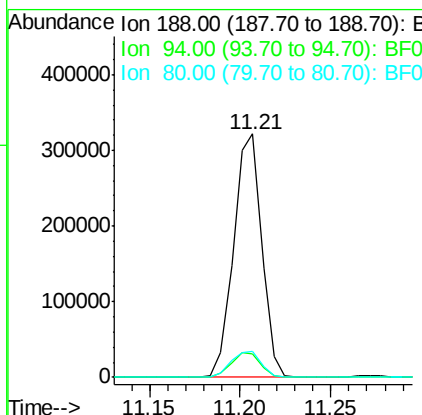
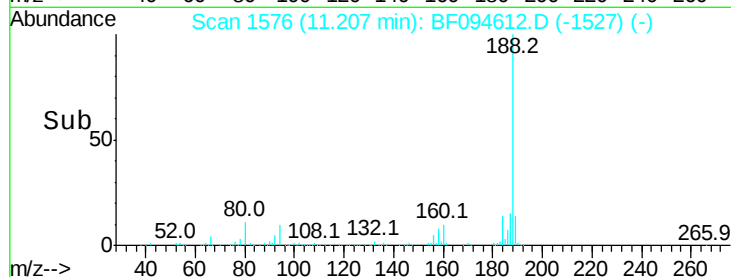
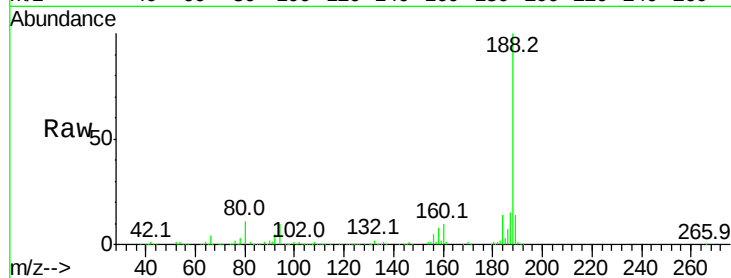




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.21 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

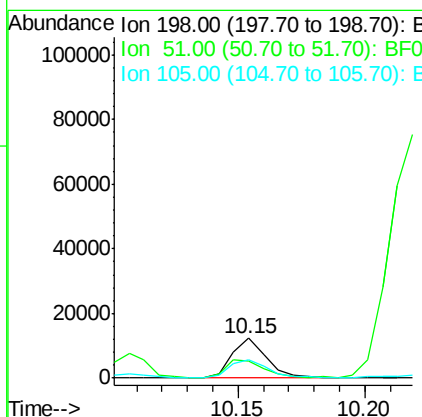
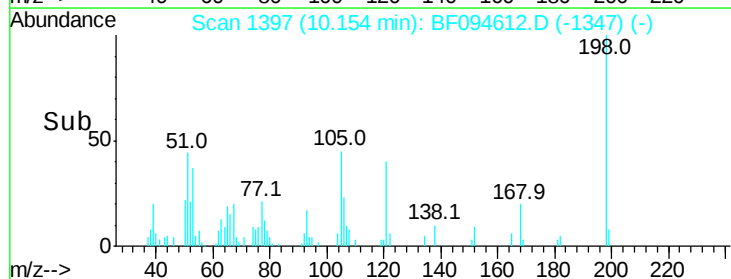
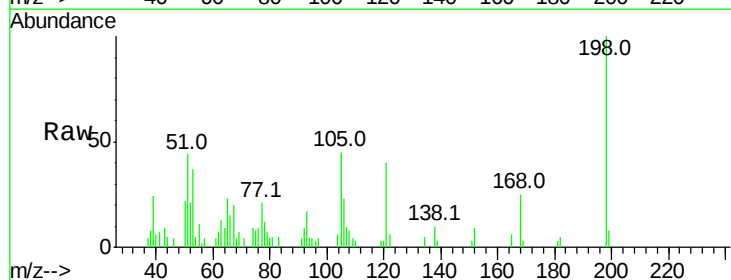
Instrument :  
BNA\_F  
ClientSampleId :

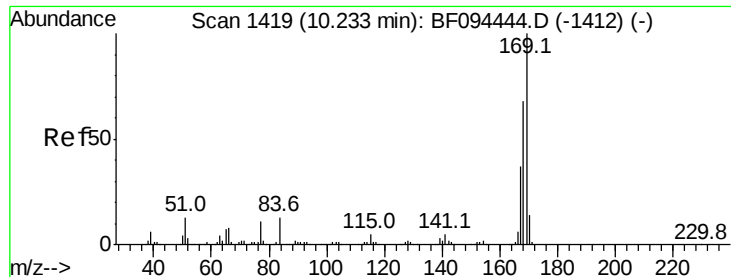
Tot Ion:188 Resp: 346730  
Ion Ratio Lower Upper  
188 100  
94 9.7 9.4 14.2  
80 10.7 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.12 ng  
RT: 10.15 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:198 Resp: 11625  
Ion Ratio Lower Upper  
198 100  
51 44.3 53.2 93.2#  
105 45.1 45.8 85.8#

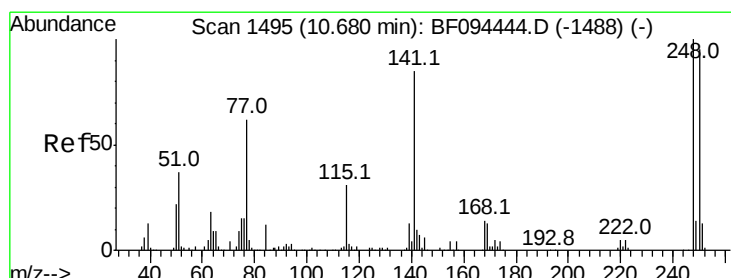
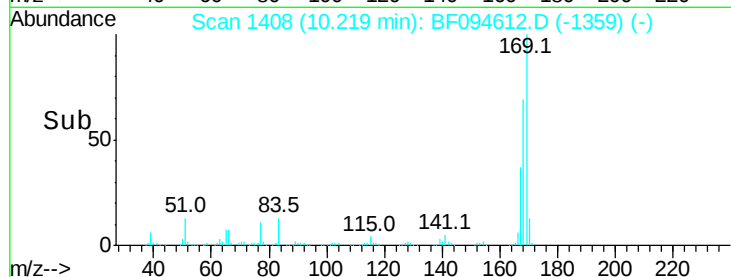
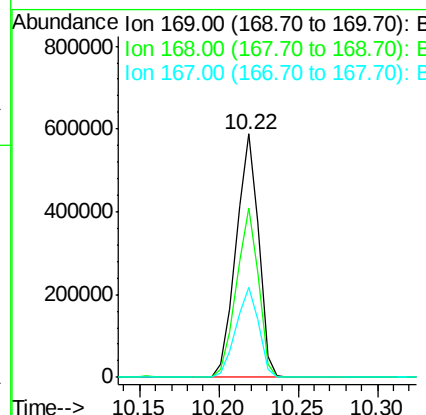
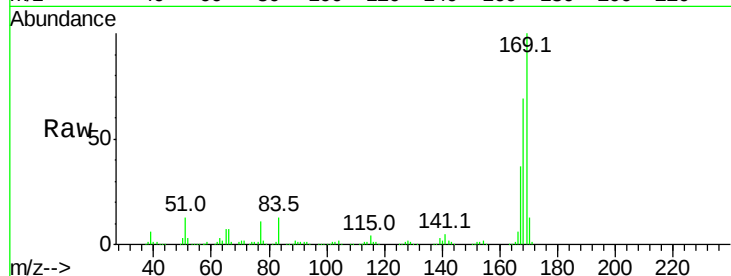




#65  
n-Nitrosodiphenylamine  
Concen: 47.87 ng  
RT: 10.22 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

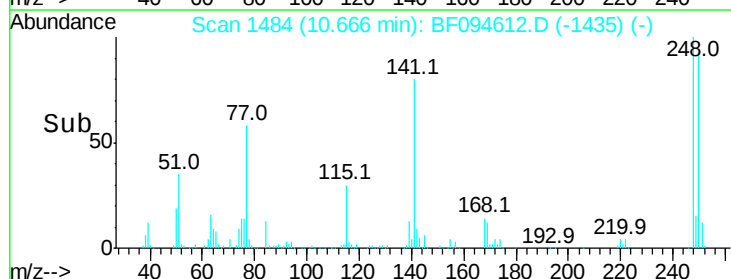
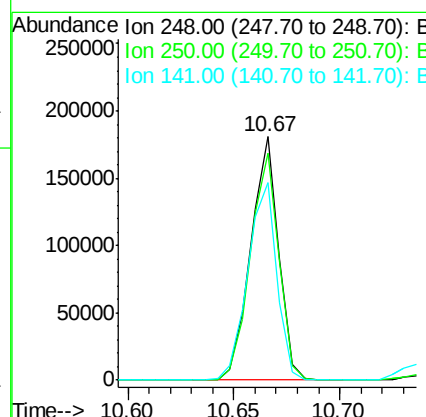
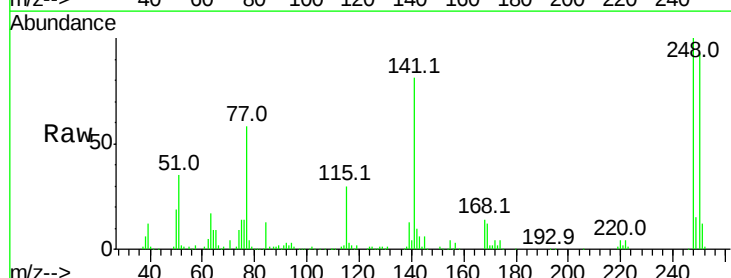
Instrument :  
BNA\_F  
ClientSampleId :

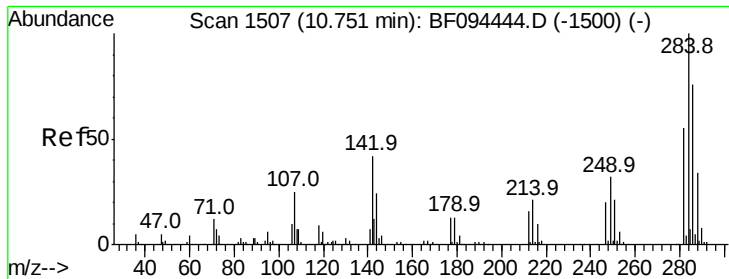
Tot Ion:169 Resp: 577295  
Ion Ratio Lower Upper  
169 100  
168 69.3 53.2 79.8  
167 37.2 29.5 44.3



#66  
4-Bromophenyl-phenylether  
Concen: 48.06 ng  
RT: 10.67 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:248 Resp: 165471  
Ion Ratio Lower Upper  
248 100  
250 93.5 76.8 115.2  
141 81.0 68.6 103.0

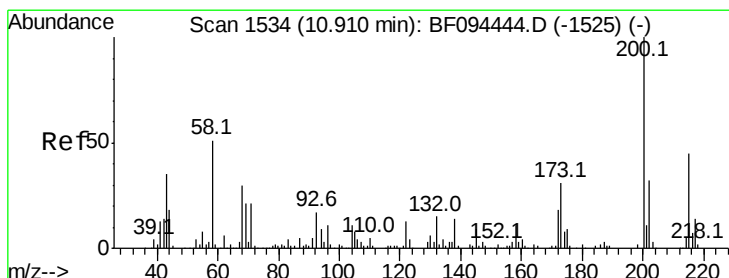
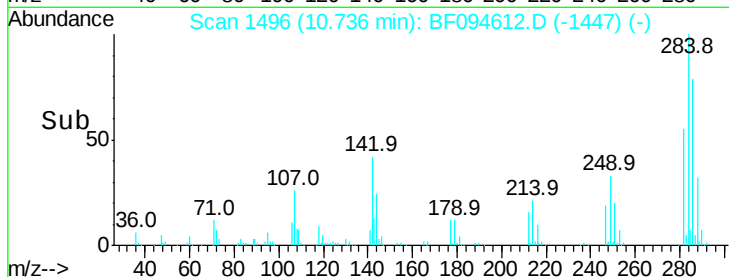
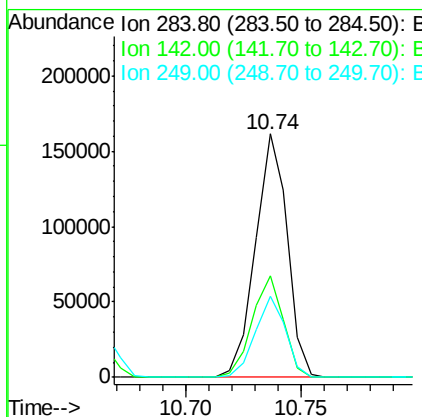
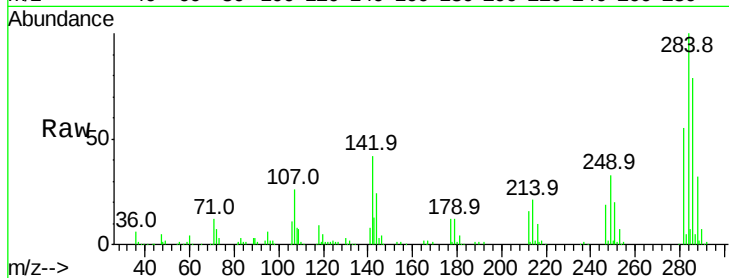




#67  
Hexachlorobenzene  
Concen: 44.67 ng  
RT: 10.74 min Scan# 1496  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

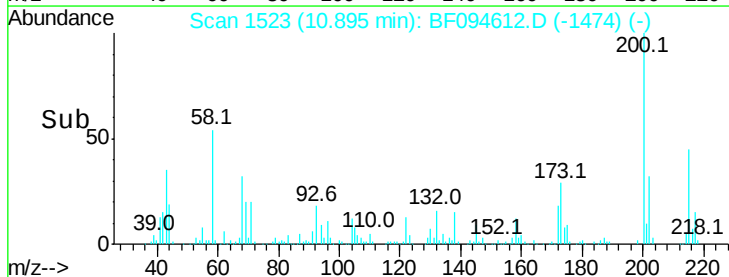
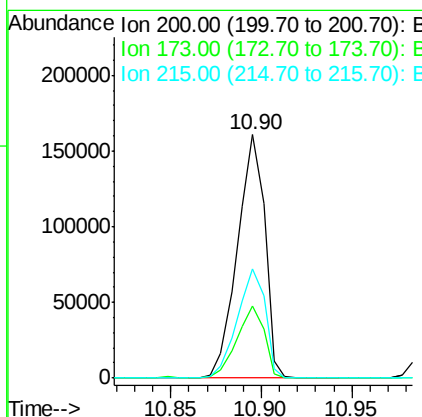
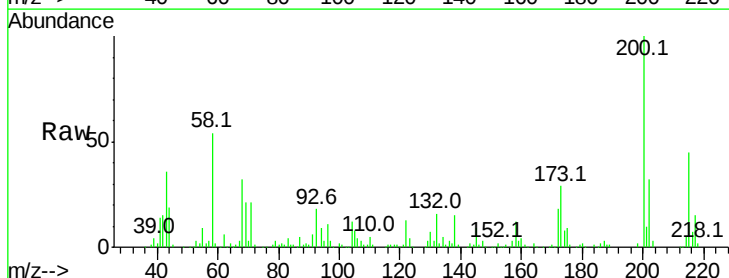
Instrument :  
BNA\_F  
ClientSampleId :

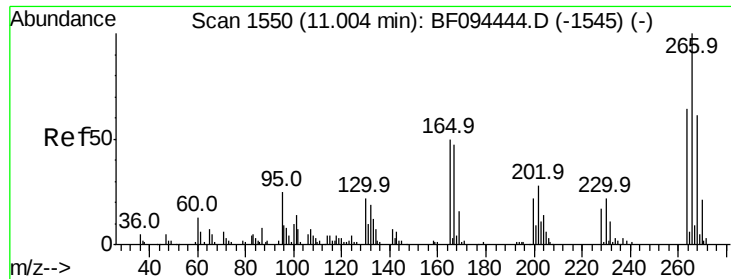
Tot Ion:284 Resp: 154991  
Ion Ratio Lower Upper  
284 100  
142 41.5 22.8 34.2#  
249 33.1 24.0 36.0



#68  
Atrazine  
Concen: 46.85 ng  
RT: 10.90 min Scan# 1523  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:200 Resp: 169013  
Ion Ratio Lower Upper  
200 100  
173 29.4 6.3 46.3  
215 44.8 27.2 67.2

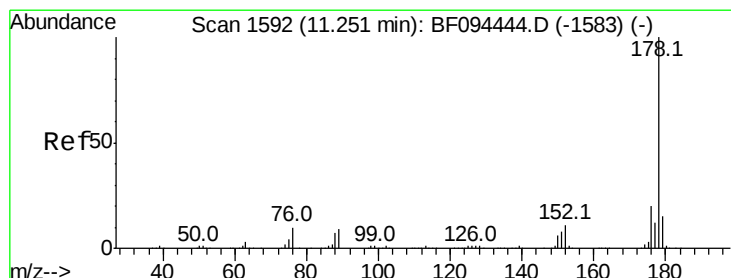
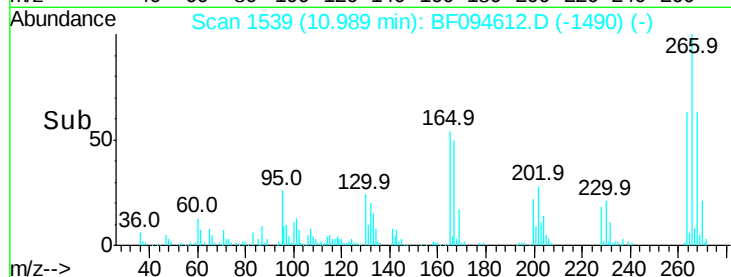
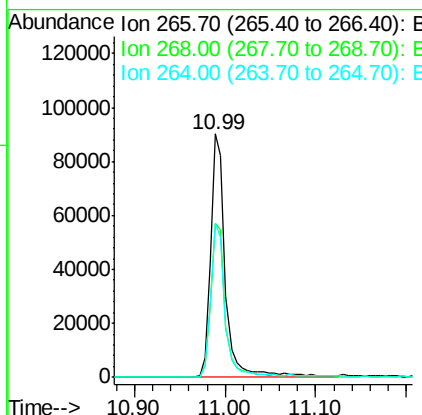
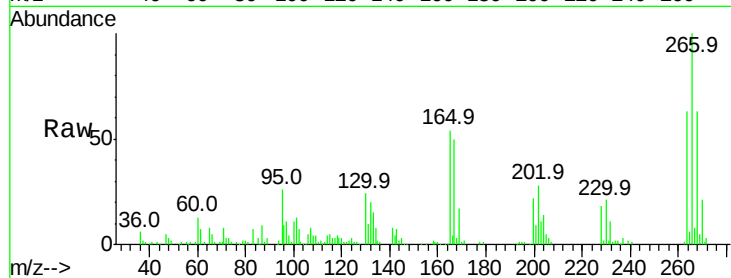




#69  
 Pentachlorophenol  
 Concen: 75.48 ng  
 RT: 10.99 min Scan# 1539  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

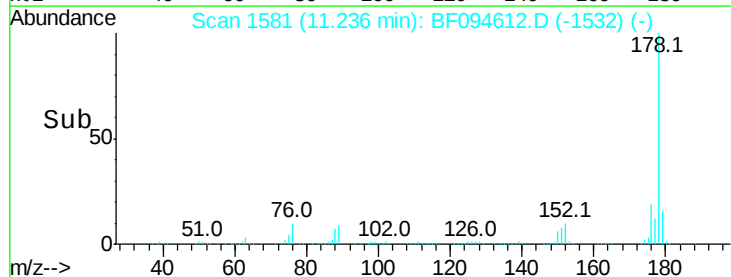
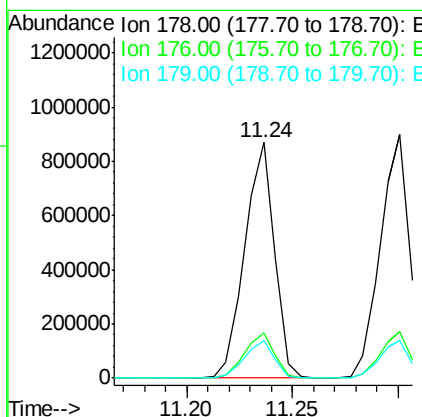
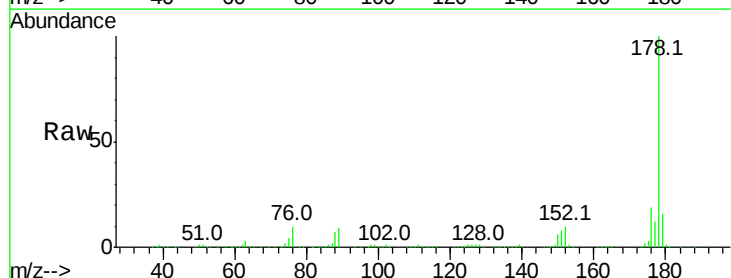
Instrument :  
 BNA\_F  
 ClientSampled :

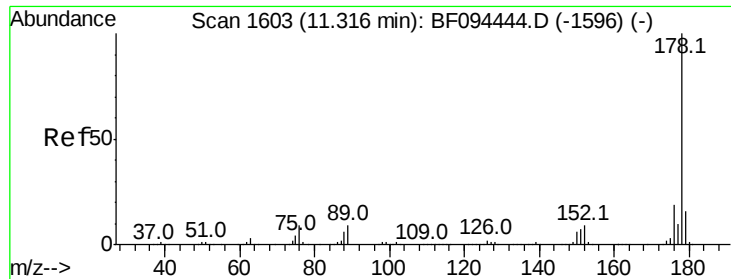
Tot Ion:266 Resp: 103989  
 Ion Ratio Lower Upper  
 266 100  
 268 63.1 51.1 76.7  
 264 63.2 51.7 77.5



#70  
 Phenanthrene  
 Concen: 43.44 ng  
 RT: 11.24 min Scan# 1581  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:178 Resp: 848151  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 16.2 24.4  
 179 15.9 12.6 19.0

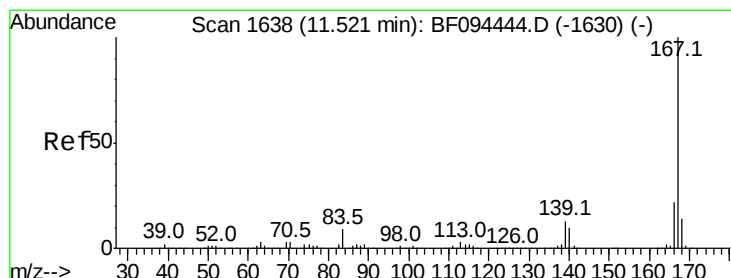
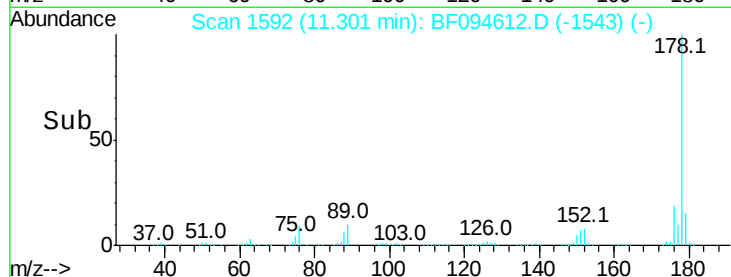
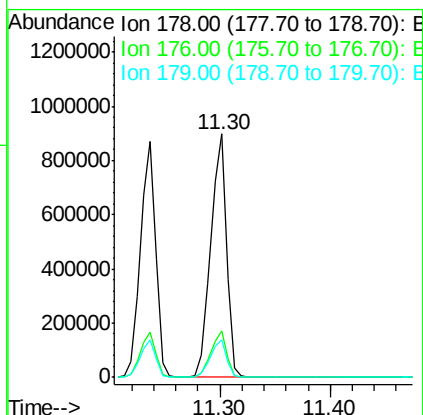
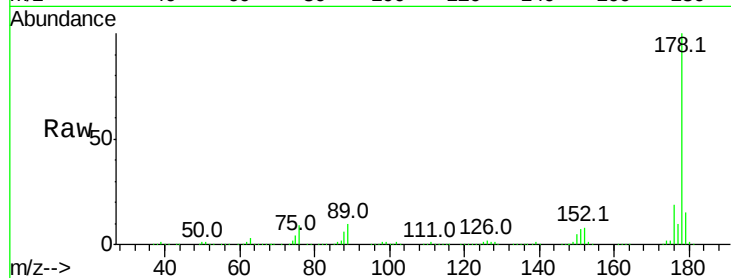




#71  
 Anthracene  
 Concen: 43.19 ng  
 RT: 11.30 min Scan# 1592  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

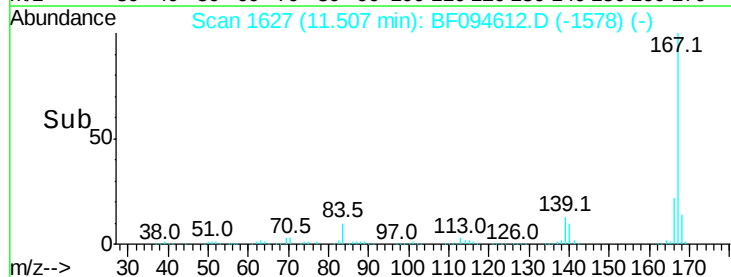
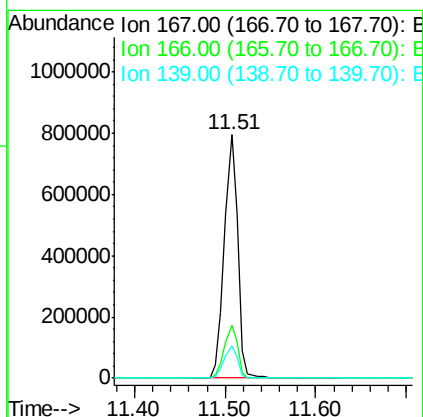
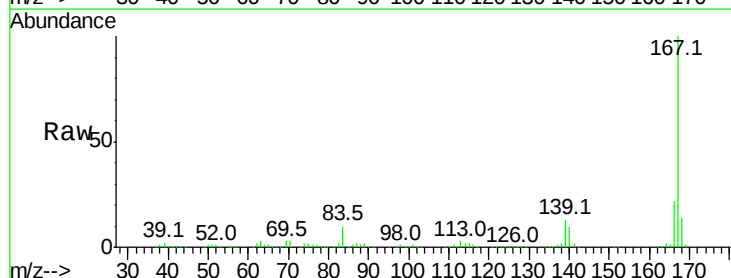
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 872322  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.8 23.8  
 179 15.3 12.7 19.1



#72  
 Carbazole  
 Concen: 42.22 ng  
 RT: 11.51 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:167 Resp: 800363  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 18.1 27.1  
 139 13.2 11.7 17.5

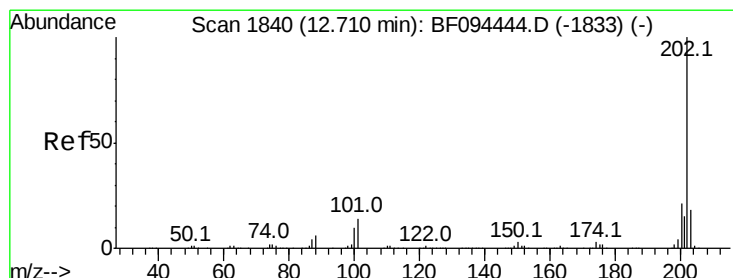
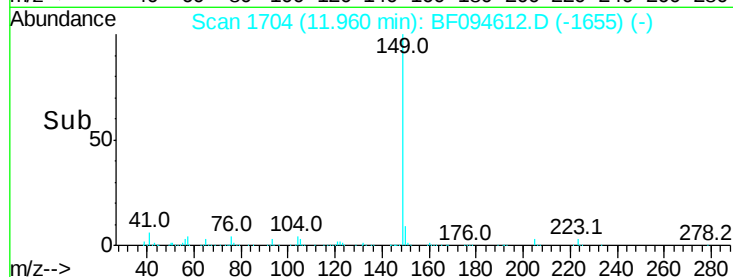
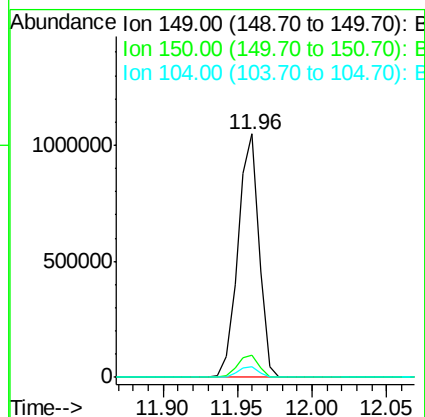
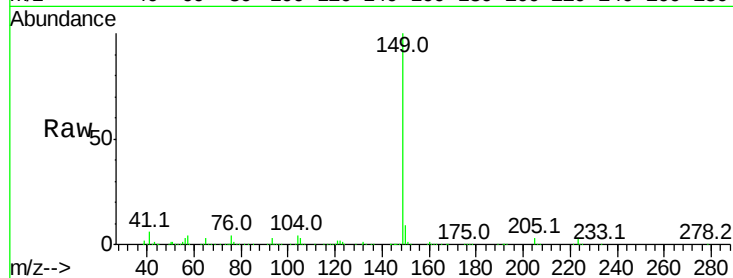




#73  
Di-n-butylphthalate  
Concen: 49.76 ng  
RT: 11.96 min Scan# 1704  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

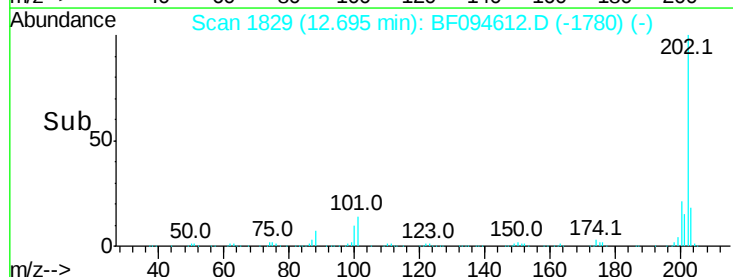
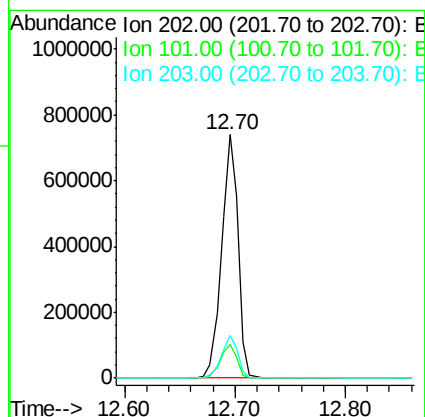
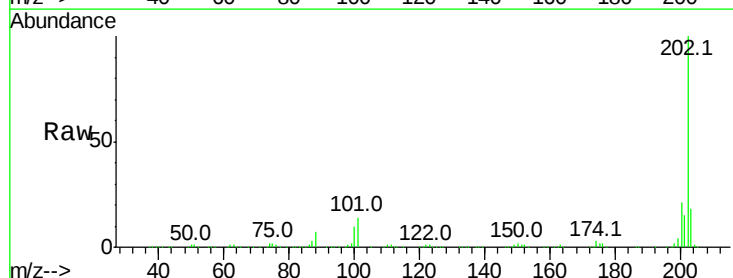
Instrument :  
BNA\_F  
ClientSampleID :

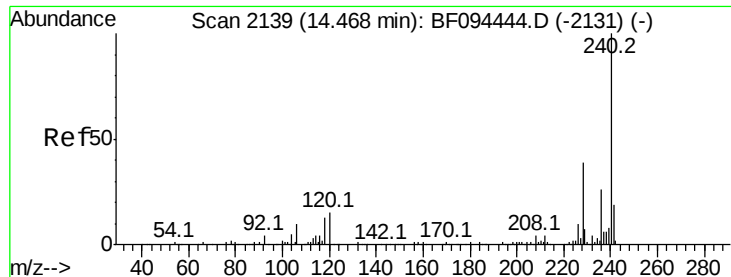
Tot Ion:149 Resp: 1038671  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.7 11.5  
104 4.4 4.0 6.0



#74  
Fluoranthene  
Concen: 37.73 ng  
RT: 12.70 min Scan# 1829  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:202 Resp: 763545  
Ion Ratio Lower Upper  
202 100  
101 13.9 0.0 33.2  
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

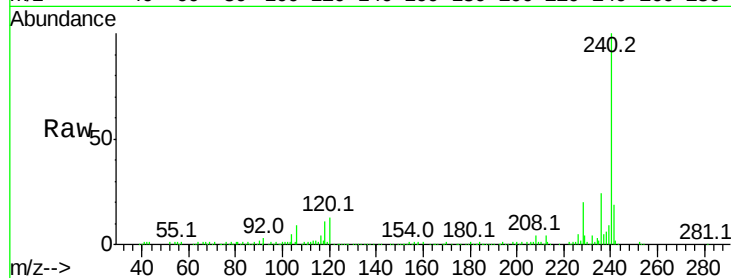
Tot Ion:240 Resp: 239707

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

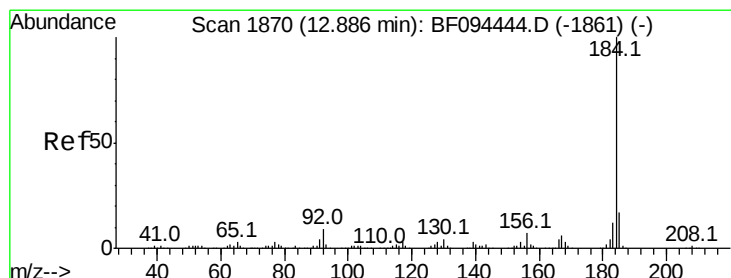
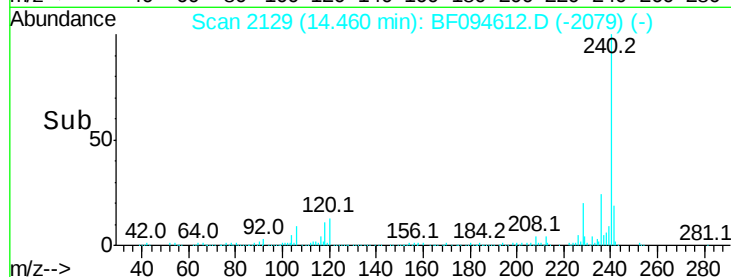
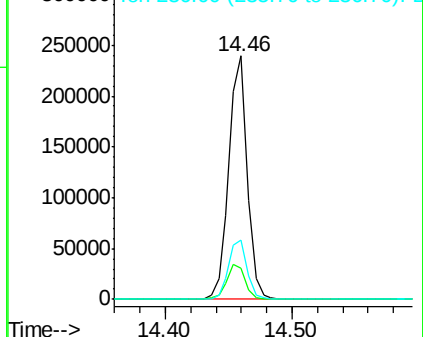
236 24.3 20.5 30.7



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: 27.58 ng

RT: 12.87 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

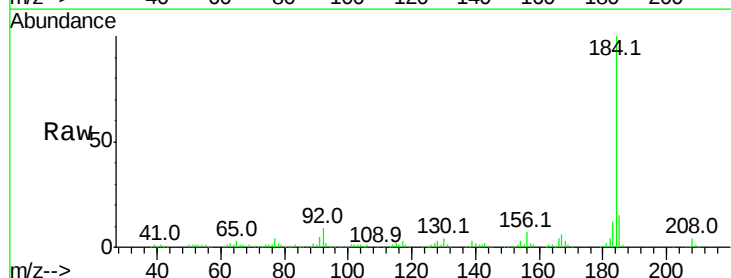
Tgt Ion:184 Resp: 267731

Ion Ratio Lower Upper

184 100

185 14.7 15.5 23.3#

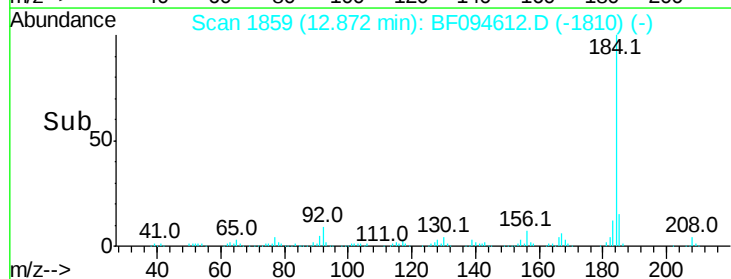
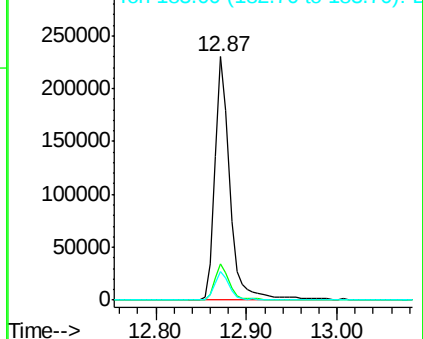
183 11.9 9.8 14.6

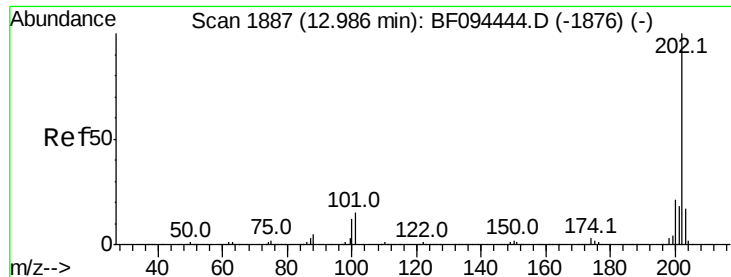


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

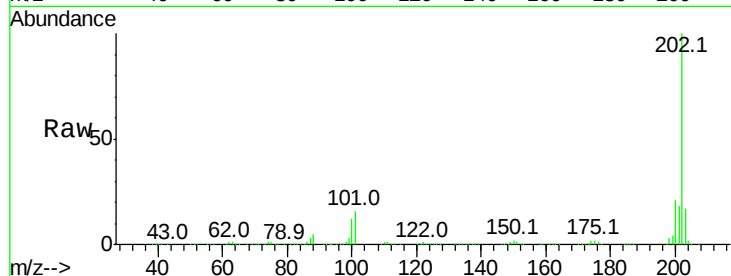




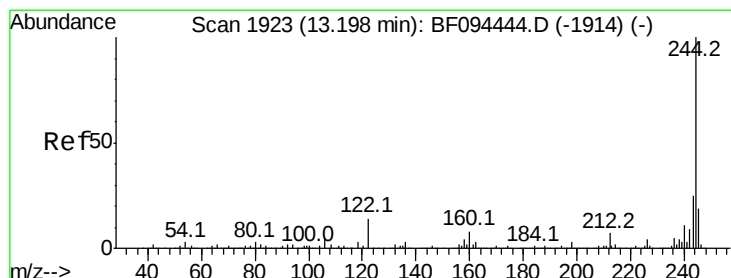
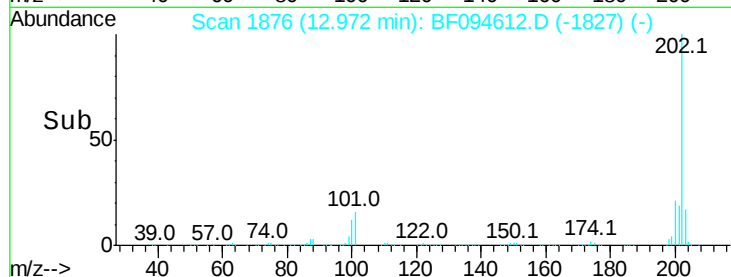
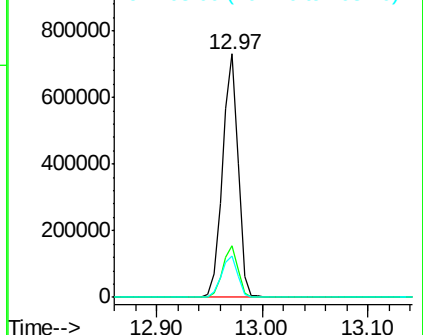
#77  
Pvrene  
Concen: 45.12 ng  
RT: 12.97 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 17.6  | 26.4  |
| 203     | 17.2  | 14.4  | 21.6  |

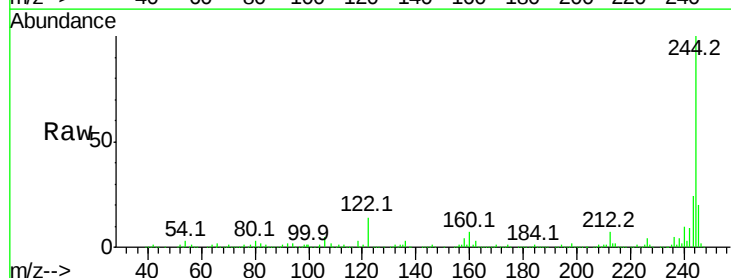


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

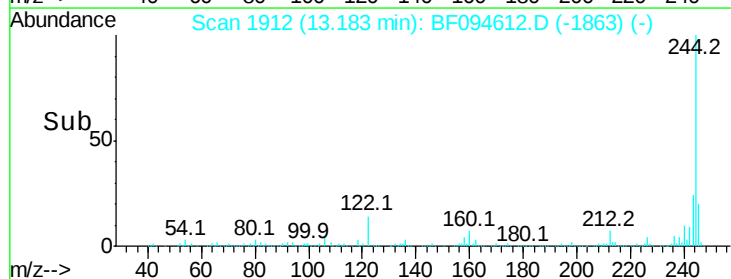
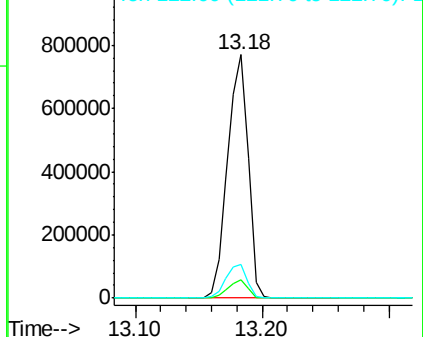


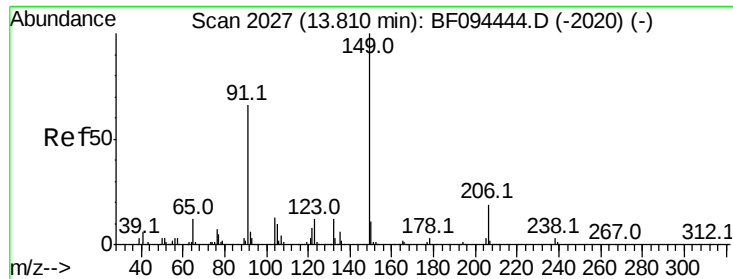
#78  
Terphenyl-d14  
Concen: 96.13 ng  
RT: 13.18 min Scan# 1912  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 6.0   | 9.0   |
| 122     | 13.9  | 10.3  | 15.5  |



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E

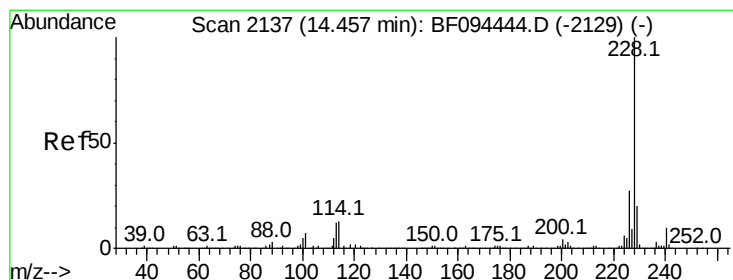
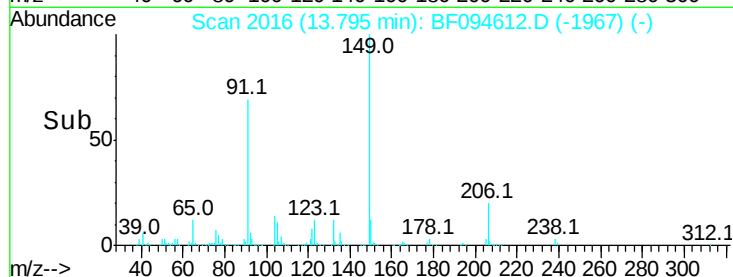
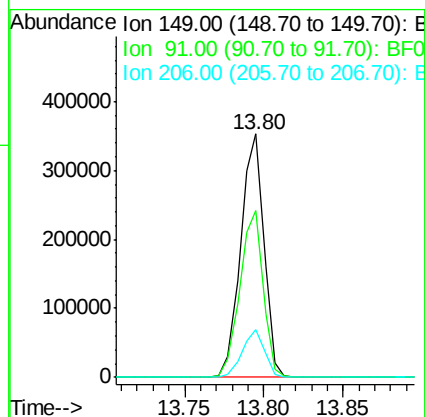
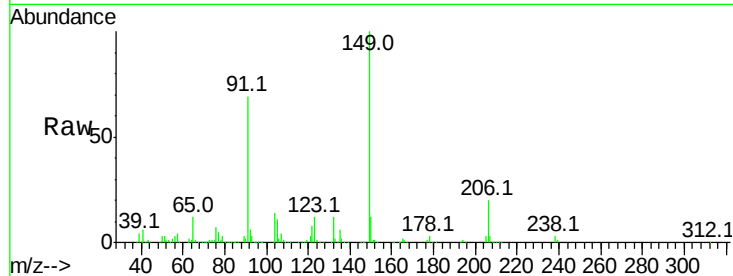




#79  
Butylbenzylphthalate  
Concen: 48.72 ng  
RT: 13.80 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

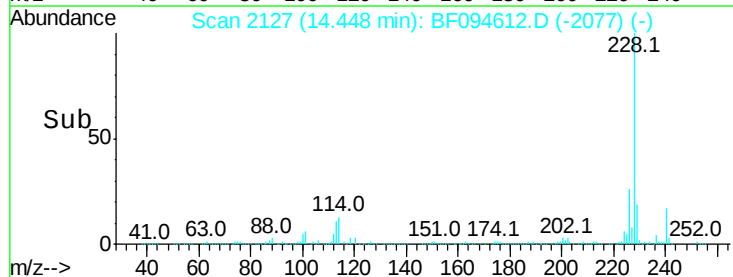
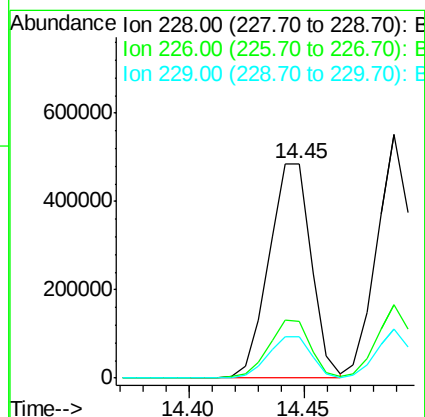
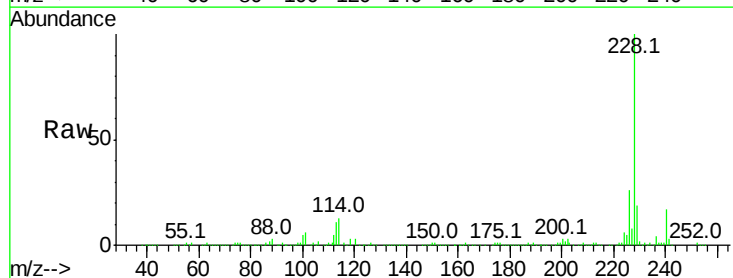
Instrument :  
BNA\_F  
ClientSampled :

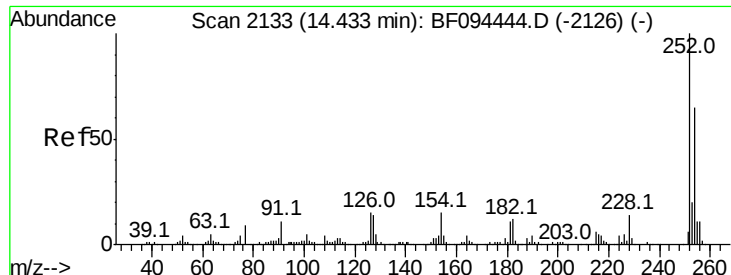
Tot Ion:149 Resp: 357570  
Ion Ratio Lower Upper  
149 100  
91 68.6 45.0 67.4#  
206 19.7 17.0 25.6



#80  
Benzo(a)anthracene  
Concen: 44.29 ng  
RT: 14.45 min Scan# 2127  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Tgt Ion:228 Resp: 617026  
Ion Ratio Lower Upper  
228 100  
226 26.4 22.6 33.8  
229 19.4 16.3 24.5

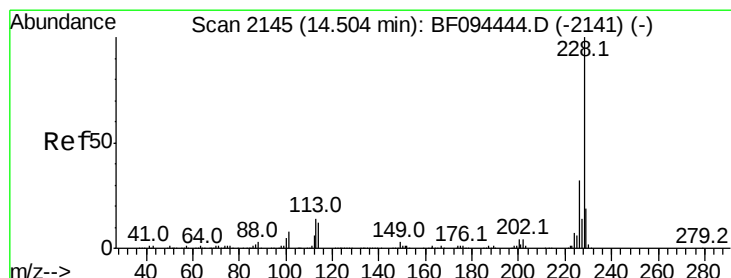
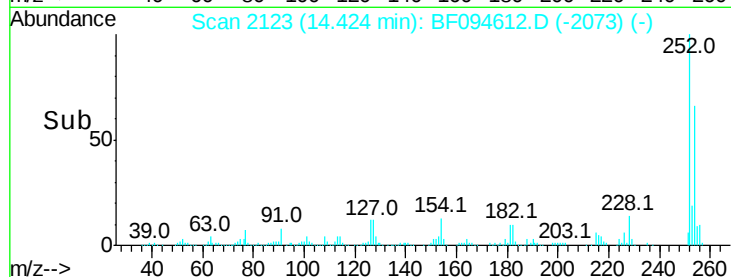
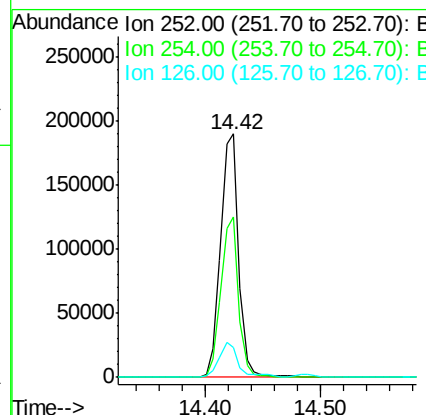
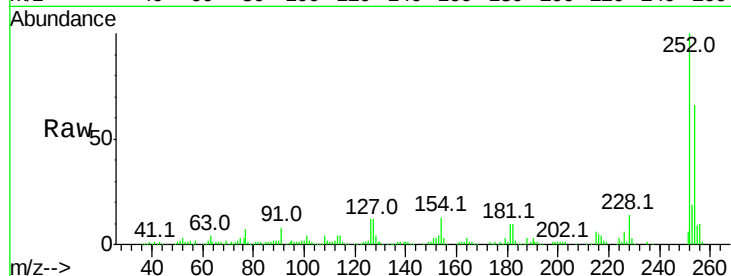




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.01 ng  
 RT: 14.42 min Scan# 2123  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

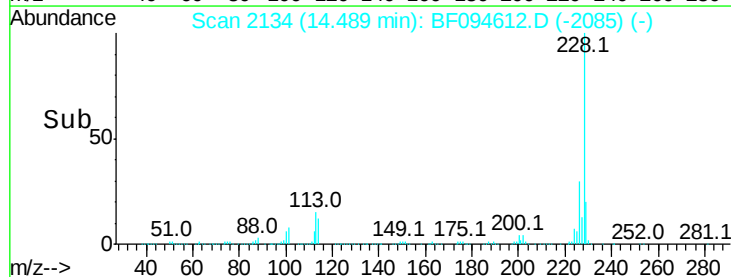
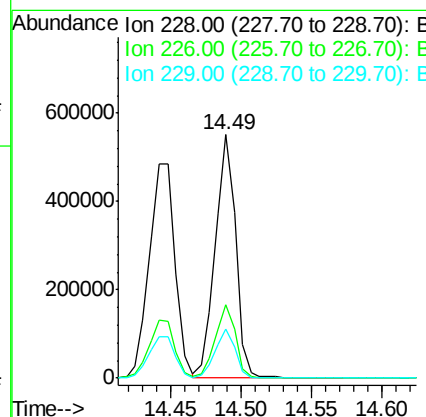
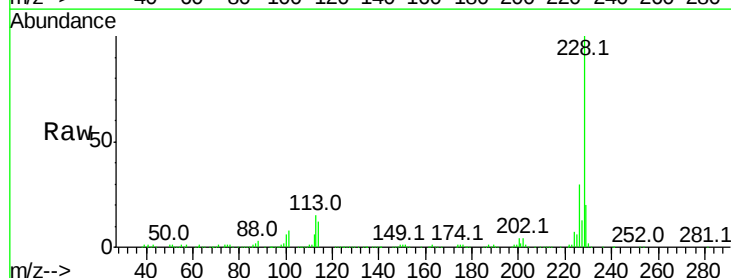
Instrument :  
 BNA\_F  
 ClientSampled :

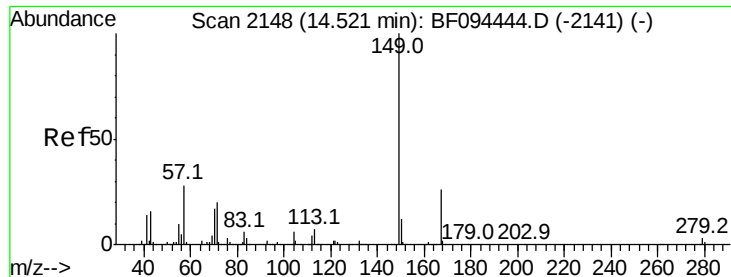
Tot Ion:252 Resp: 207180  
 Ion Ratio Lower Upper  
 252 100  
 254 65.8 51.5 77.3  
 126 12.4 15.8 23.8#



#82  
 Chrysene  
 Concen: 43.78 ng  
 RT: 14.49 min Scan# 2134  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

Tgt Ion:228 Resp: 557397  
 Ion Ratio Lower Upper  
 228 100  
 226 30.0 24.9 37.3  
 229 20.3 15.8 23.6

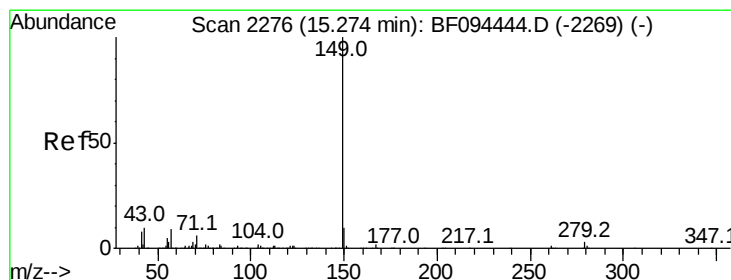
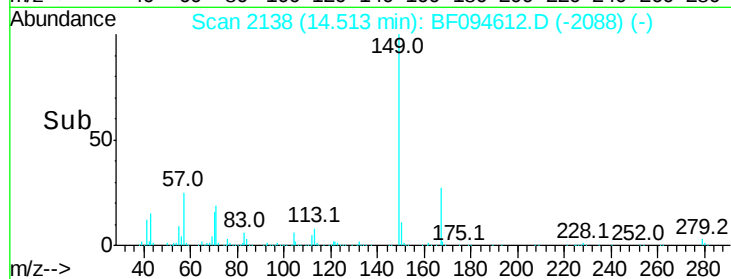
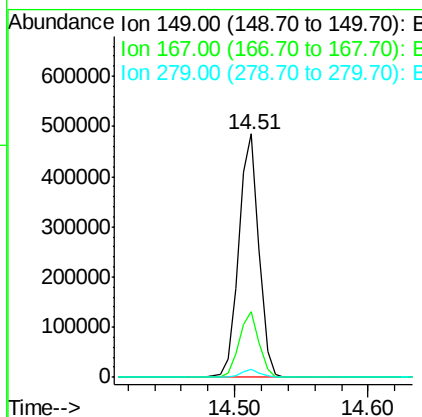
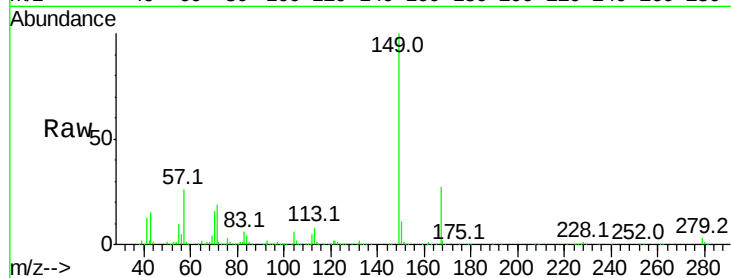




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 51.28 ng  
 RT: 14.51 min Scan# 2138  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

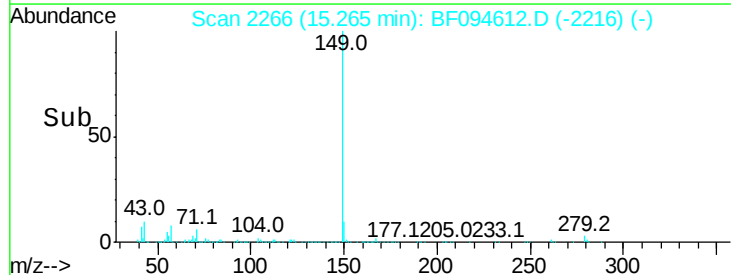
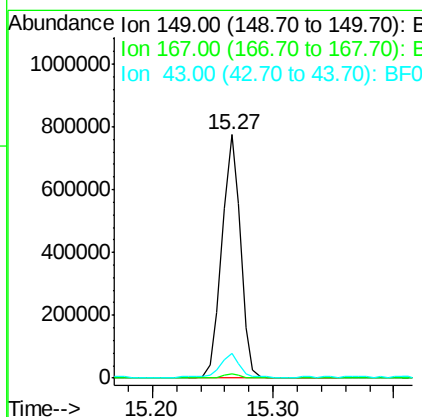
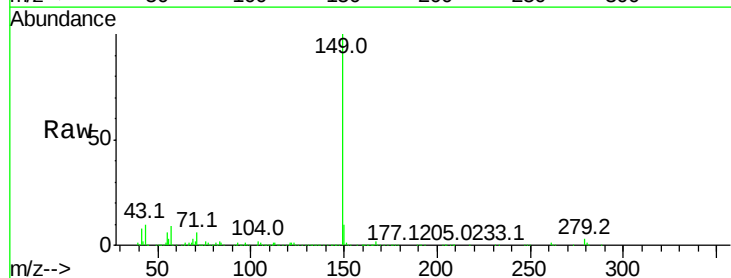
Instrument :  
 BNA\_F  
 ClientSampleId :

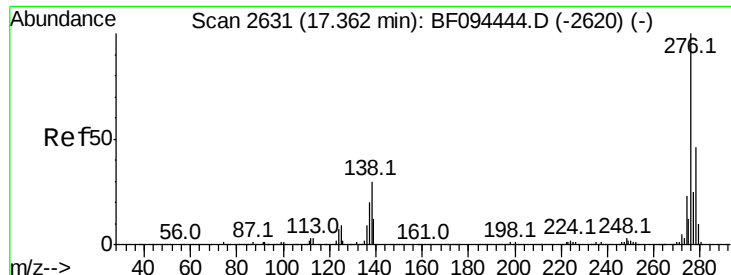
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.0  | 21.0  | 31.4  |
| 279     | 3.2   | 1.9   | 2.9#  |



#84  
 Di-n-octyl phthalate  
 Concen: 49.49 ng  
 RT: 15.27 min Scan# 2266  
 Delta R.T. -0.01 min  
 Lab File: BF094612.D  
 Acq: 25 Apr 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 9.8   | 8.5   | 12.7  |

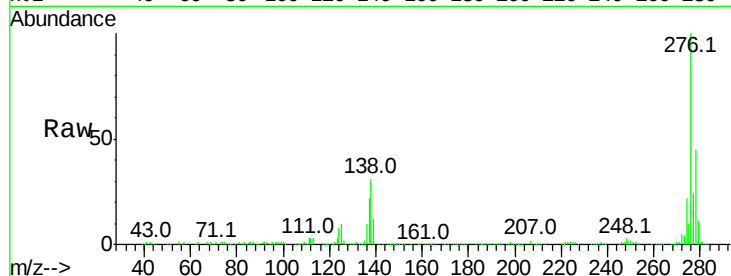




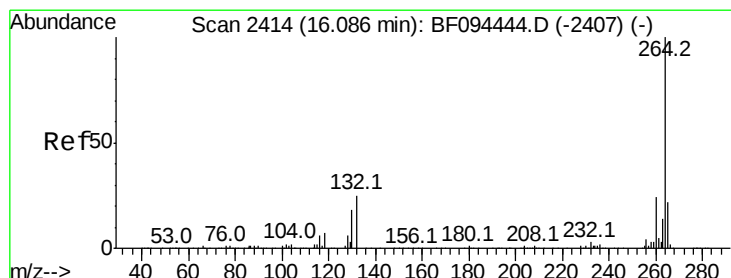
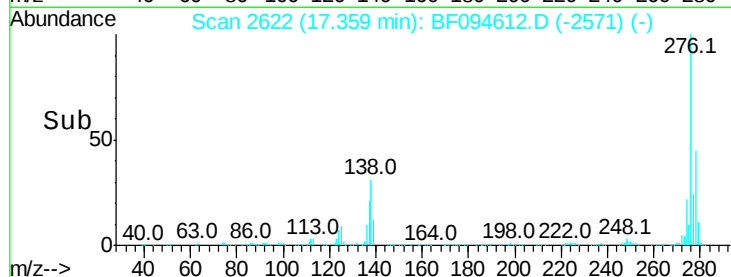
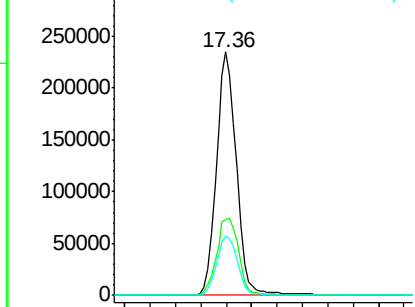
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.03 ng  
RT: 17.36 min Scan# 2622  
Delta R.T. -0.00 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.5  | 27.8  | 41.6  |
| 277     | 25.5  | 20.2  | 30.4  |

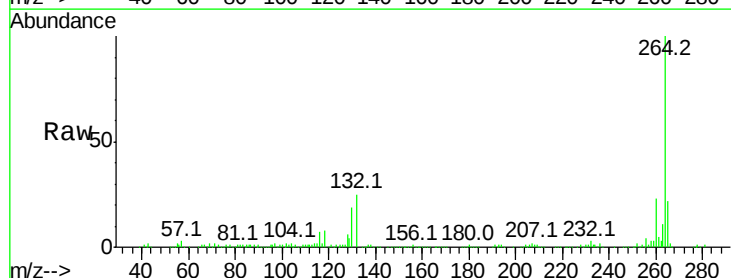


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

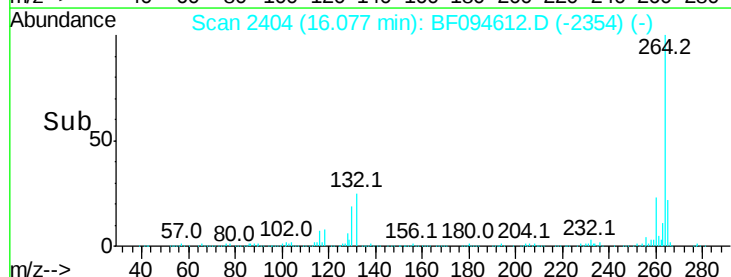
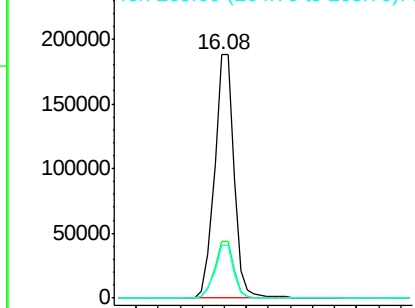


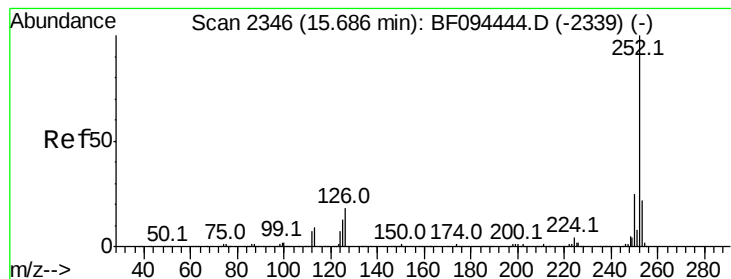
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.08 min Scan# 2404  
Delta R.T. -0.01 min  
Lab File: BF094612.D  
Acq: 25 Apr 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.8  | 17.2  | 25.8  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.82 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

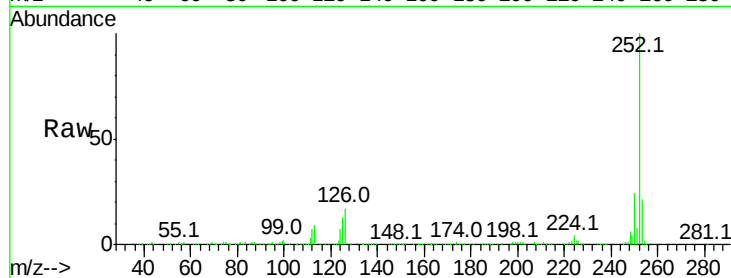
Tot Ion:252 Resp: 588580

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

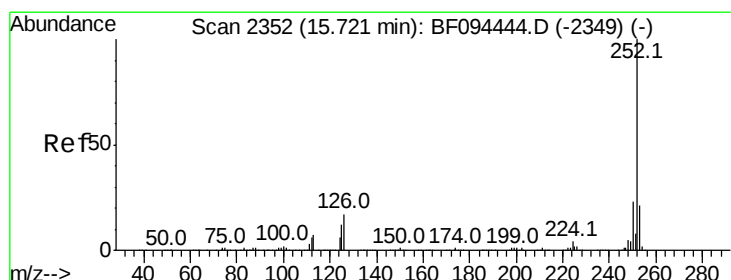
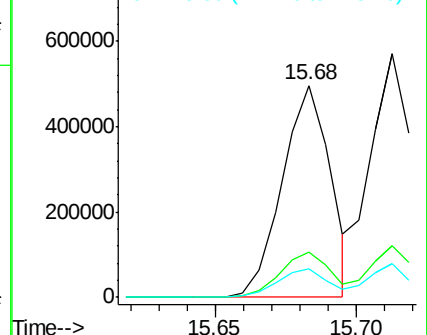
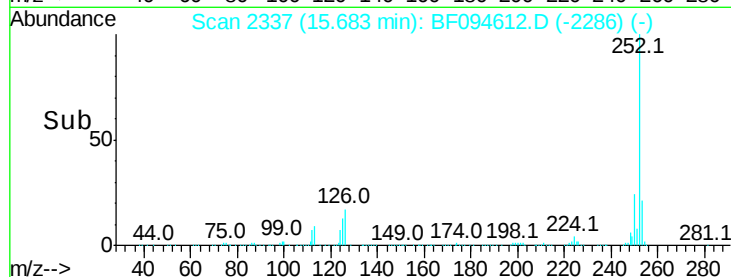
125 13.3 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 44.39 ng

RT: 15.71 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

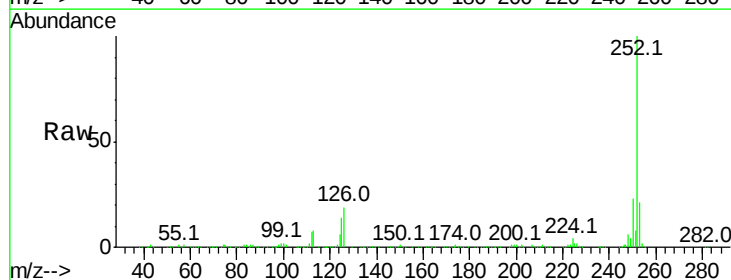
Tgt Ion:252 Resp: 591221

Ion Ratio Lower Upper

252 100

253 21.4 18.4 27.6

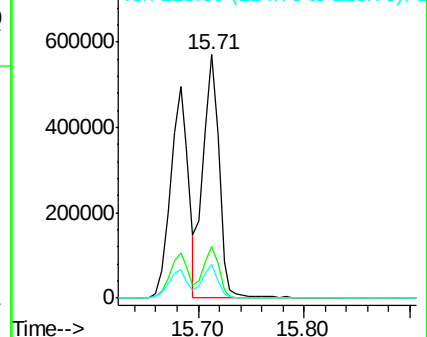
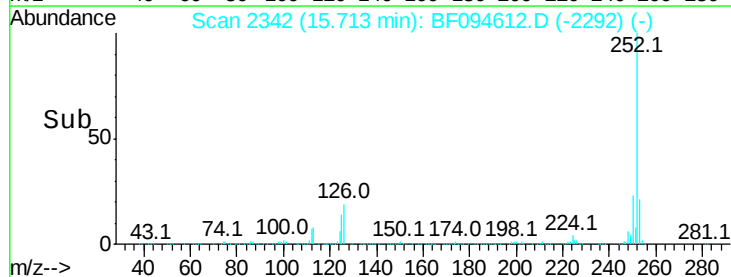
125 13.9 13.1 19.7

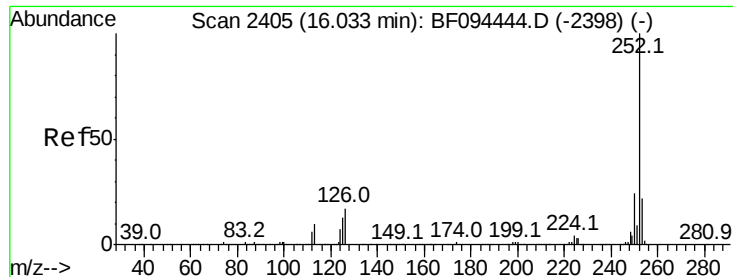


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 42.71 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

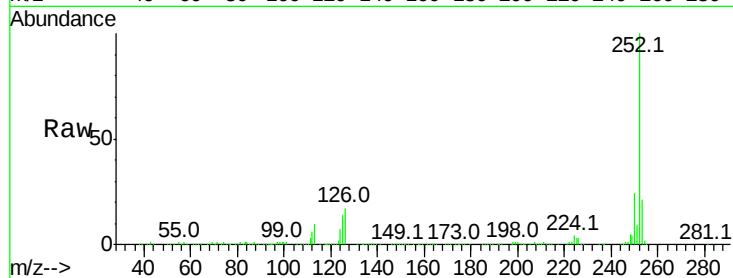
Tot Ion:252 Resp: 559224

Ion Ratio Lower Upper

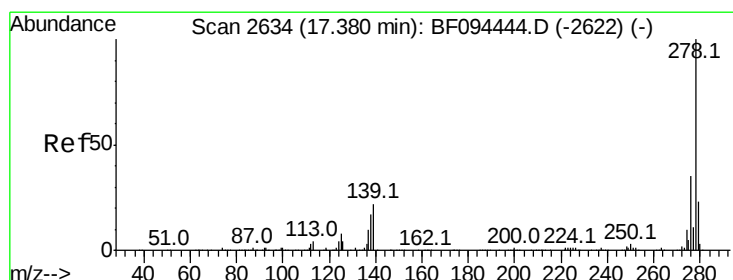
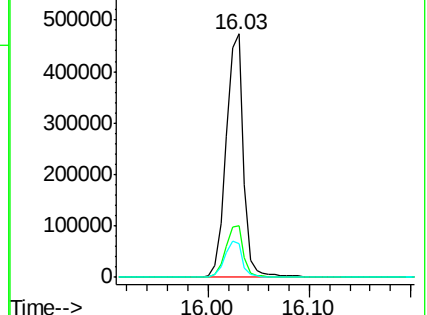
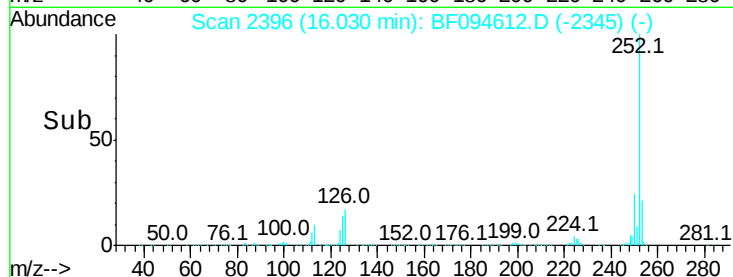
252 100

253 21.5 17.5 26.3

125 13.7 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 40.53 ng

RT: 17.38 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

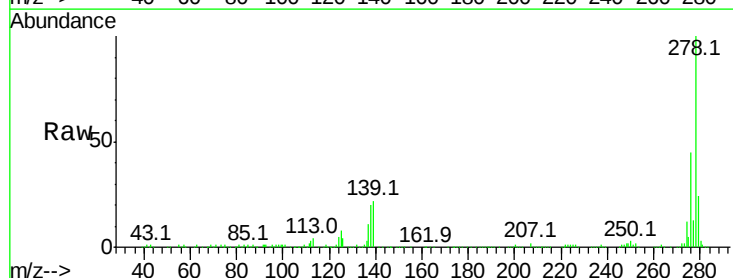
Tgt Ion:278 Resp: 440626

Ion Ratio Lower Upper

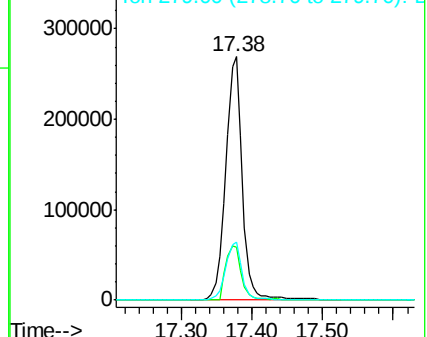
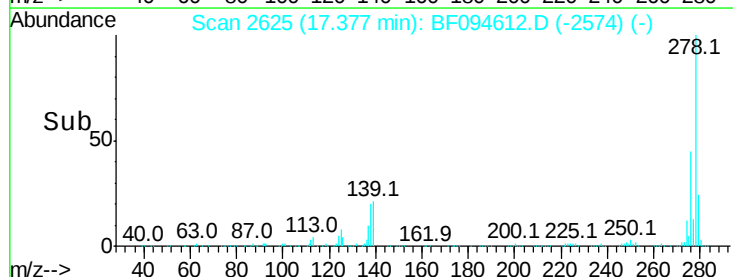
278 100

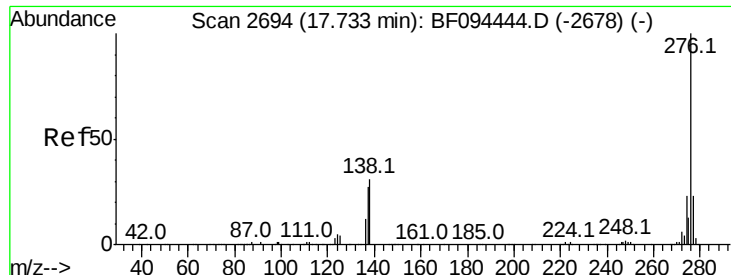
139 21.6 16.6 24.8

279 23.7 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 37.41 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

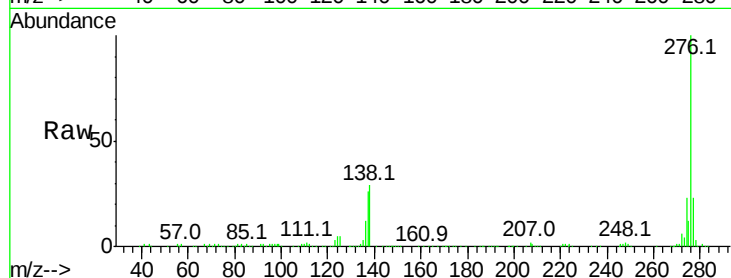
Lab File: BF094612.D

Acq: 25 Apr 2017 18:27

Instrument :

BNA\_F

ClientSampleId :



Tot Ion:276 Resp: 414037

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 29.2 25.4 38.0

