

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\  
 Data File : BF103129.D  
 Acq On : 21 Feb 2018 12:03  
 Operator : SJ/JU  
 Sample : PB106699BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 21 12:31:56 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 14:34:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 199728   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 837417   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 388138   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 651475   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 467728   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.54 | 264  | 438830   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 1453207 | 110.50 | ng | 0.02 |
| 7) Phenol-d6             | 6.52  | 99  | 1768935 | 111.71 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 1160778 | 96.16  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 359952  | 115.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.24  | 172 | 1814705 | 77.58  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 1592915 | 80.64  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.74 | 88  | 226449  | 34.861 | ng | 89     |
| 3) Pyridine                    | 3.52 | 79  | 653850  | 36.432 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.47 | 42  | 316815  | 41.259 | ng | 99     |
| 6) Aniline                     | 6.55 | 93  | 382038  | 16.337 | ng | 95     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 530867  | 39.208 | ng | 97     |
| 9) Benzaldehyde                | 6.43 | 77  | 349678  | 29.735 | ng | 98     |
| 10) Phenol                     | 6.53 | 94  | 653779  | 38.524 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 539759  | 38.223 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 565697  | 36.080 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 570780  | 36.545 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 509927  | 35.053 | ng | 97     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 462679  | 38.004 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 934103  | 34.822 | ng | 93     |
| 17) 2-Methylphenol             | 7.13 | 107 | 474932  | 38.028 | ng | 97     |
| 18) Hexachloroethane           | 7.39 | 117 | 215533  | 40.243 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 365513  | 35.009 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 526226  | 34.168 | ng | # 69   |
| 22) Acetophenone               | 7.29 | 105 | 701810  | 34.247 | ng | # 88   |
| 24) Nitrobenzene               | 7.46 | 77  | 589874  | 41.536 | ng | 98     |
| 25) Isophorone                 | 7.70 | 82  | 1133916 | 40.793 | ng | 98     |
| 26) 2-Nitrophenol              | 7.78 | 139 | 322699  | 53.996 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 531021  | 45.218 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 702528  | 42.664 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 462174  | 43.292 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 449042  | 37.181 | ng | 98     |
| 31) Naphthalene                | 8.19 | 128 | 1524176 | 37.253 | ng | 100    |
| 32) Benzoic acid               | 7.93 | 122 | 177977  | 27.678 | ng | 97     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 109691  | 6.223  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 227252  | 36.721 | ng | 98     |
| 35) Caprolactam                | 8.62 | 113 | 105061  | 28.337 | ng | # 85   |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 516904  | 43.093 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 1023775 | 38.219 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 387070  | 36.625 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 318648  | 63.426 | ng | 98     |

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 ALS Vial : 4 Sample Multiplier: 1

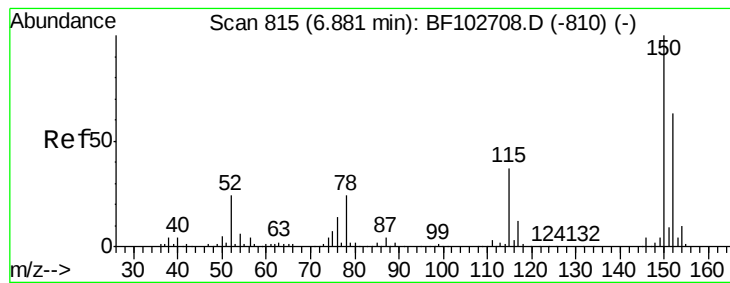
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 21 12:31:56 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 14:34:49 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.16  | 196  | 291300   | 41.965 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 307024   | 39.242 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 9.34  | 154  | 1145595  | 35.042 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 940847   | 36.556 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 354311   | 44.858 | nq    | 90       |
| 48) Acenaphthylene             | 9.78  | 152  | 1408749  | 35.241 | nq    | 99       |
| 49) Dimethylphthalate          | 9.64  | 163  | 1137069  | 37.572 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 251935   | 43.756 | nq    | 95       |
| 51) Acenaphthene               | 9.95  | 154  | 807248   | 33.768 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 109542   | 15.462 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.99  | 184  | 155750   | 80.245 | nq    | # 19     |
| 54) Dibenzofuran               | 10.13 | 168  | 1200782  | 35.642 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.05 | 139  | 398512   | 69.030 | nq    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 322157   | 42.122 | nq    | 95       |
| 57) Fluorene                   | 10.47 | 166  | 920466   | 37.552 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 226210   | 41.716 | nq    | 100      |
| 59) Diethylphthalate           | 10.34 | 149  | 1053455  | 35.253 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204  | 416485   | 38.409 | nq    | 98       |
| 61) 4-Nitroaniline             | 10.50 | 138  | 290248   | 43.041 | nq    | 92       |
| 62) Azobenzene                 | 10.62 | 77   | 1086327  | 36.389 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 131033   | 48.245 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.58 | 169  | 840424   | 36.573 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.95 | 248  | 262338   | 38.067 | nq    | 96       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 281087   | 36.973 | nq    | 98       |
| 68) Atrazine                   | 11.10 | 200  | 267597   | 39.473 | nq    | 98       |
| 69) Pentachlorophenol          | 11.22 | 266  | 248552   | 55.694 | nq    | 98       |
| 70) Phenanthrene               | 11.43 | 178  | 1286503  | 35.458 | nq    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 1338402  | 36.268 | nq    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 1311406  | 36.273 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1634925  | 37.228 | nq    | 100      |
| 74) Fluoranthene               | 12.62 | 202  | 1326190  | 36.329 | nq    | 98       |
| 76) Benzidine                  | 12.74 | 184  | 644312   | 29.972 | nq    | 98       |
| 77) Pyrene                     | 12.85 | 202  | 1349177  | 36.785 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.46 | 149  | 722423   | 41.323 | nq    | 95       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 1174259  | 39.919 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 219770   | 20.150 | nq    | 98       |
| 82) Chrysene                   | 14.09 | 228  | 1075049  | 36.255 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 964289   | 42.918 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.64 | 149  | 1593513  | 47.234 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 17.07 | 276  | 979629   | 39.833 | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 15.11 | 252  | 1137152  | 39.969 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 15.14 | 252  | 940209   | 34.586 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.49 | 252  | 980352   | 38.281 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.07 | 278  | 798022   | 38.392 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.53 | 276  | 835818   | 41.081 | nq    | 98       |

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



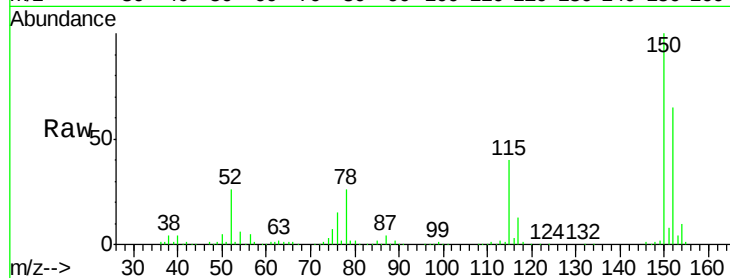


#1

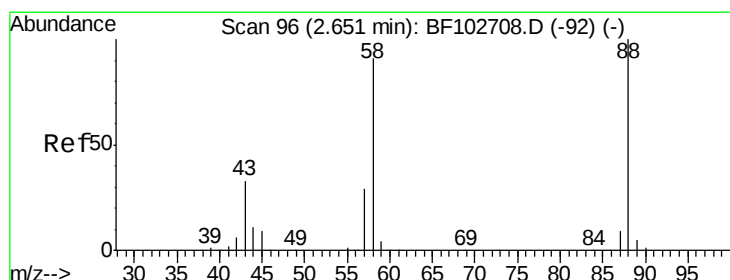
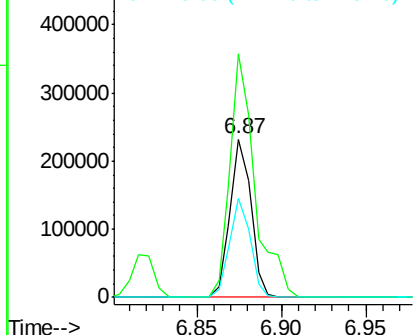
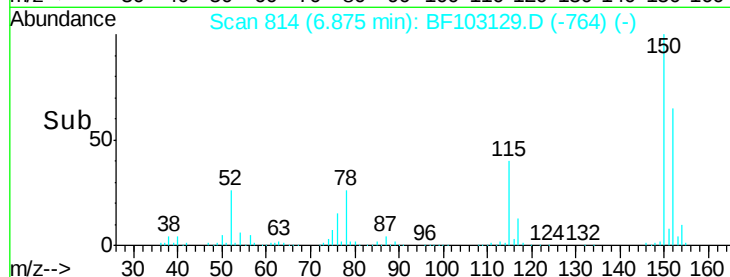
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 199728  
Ion Ratio Lower Upper  
152 100  
150 153.7 124.6 186.8  
115 62.1 50.1 75.1



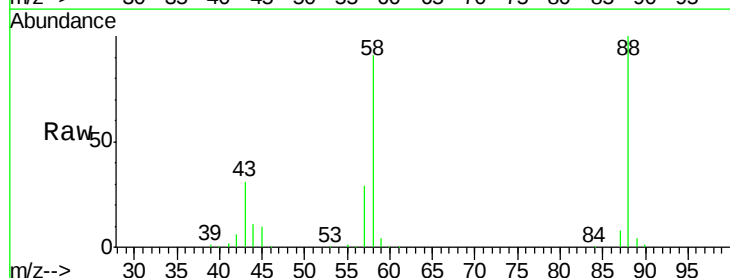
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



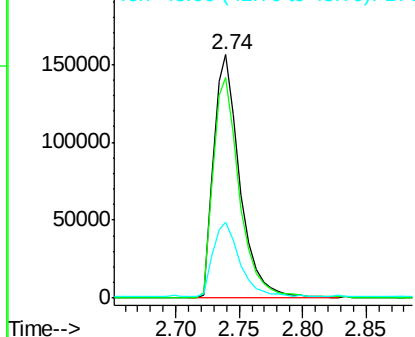
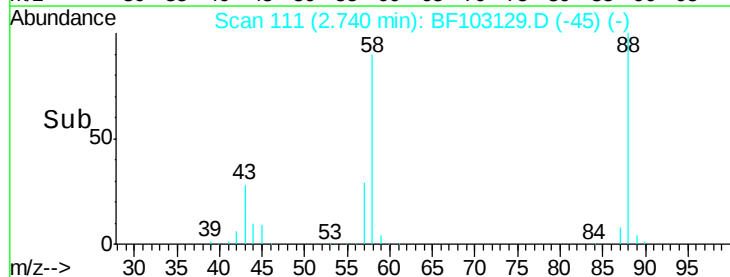
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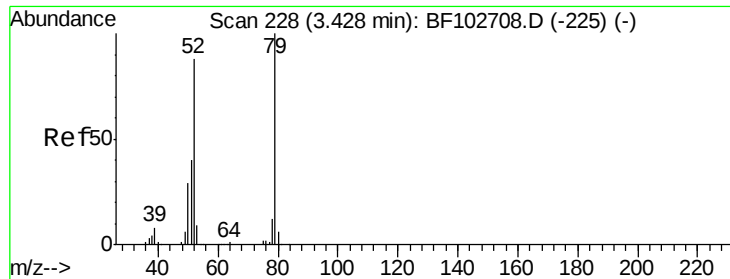
1,4-Dioxane  
Concen: 34.861 ng  
RT: 2.74 min Scan# 111  
Delta R.T. 0.09 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion: 88 Resp: 226449  
Ion Ratio Lower Upper  
88 100  
58 91.4 62.6 93.8  
43 31.3 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 36.432 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.09 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

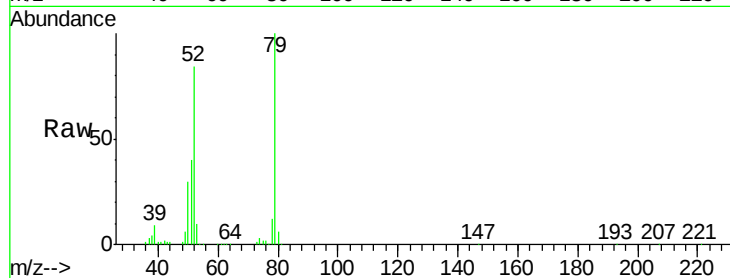
Tot Ion: 79 Resp: 653850

Ion Ratio Lower Upper

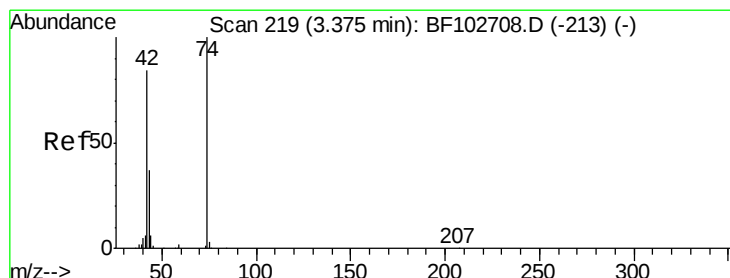
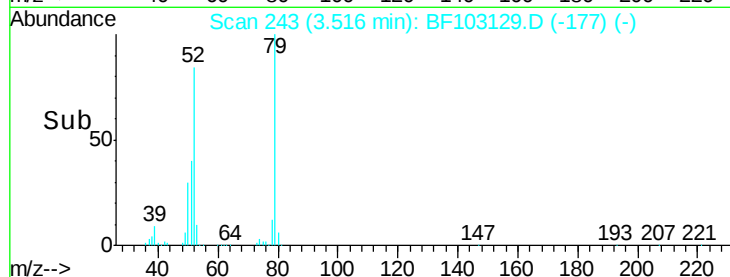
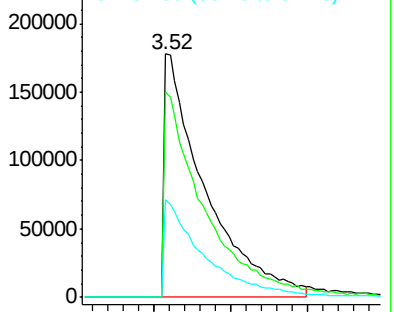
79 100

52 84.2 59.8 89.6

51 39.9 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.259 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.08 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

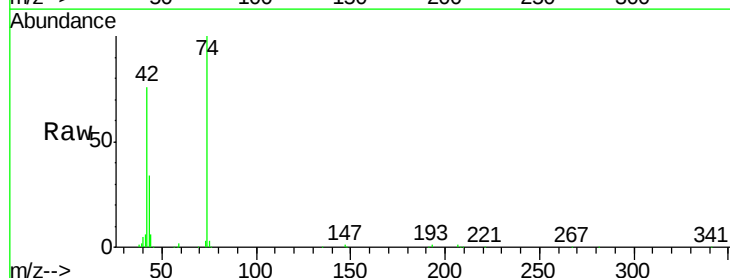
Tgt Ion: 42 Resp: 316815

Ion Ratio Lower Upper

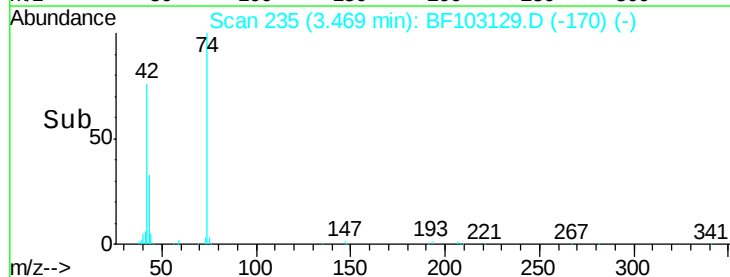
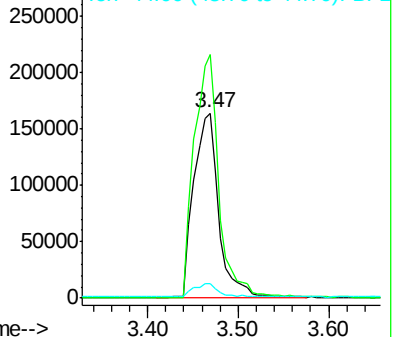
42 100

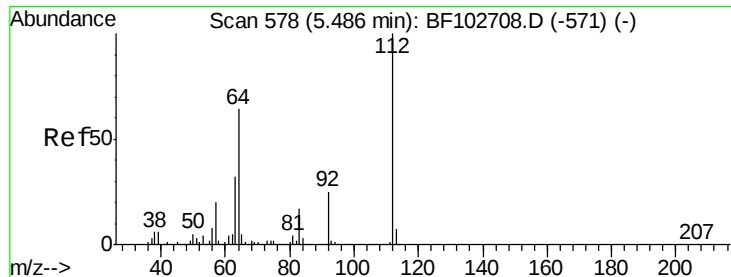
74 131.6 104.9 157.3

44 7.7 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 110.497 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

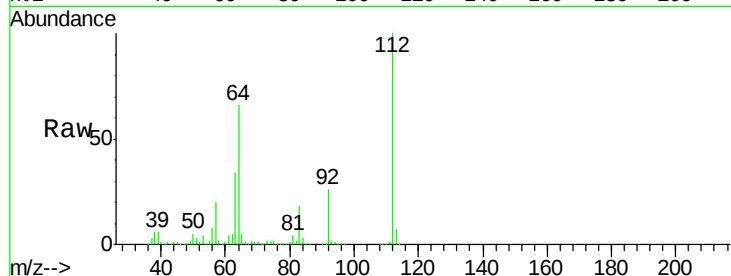
Tot Ion:112 Resp: 1453207

Ion Ratio Lower Upper

112 100

64 65.7 47.9 71.9

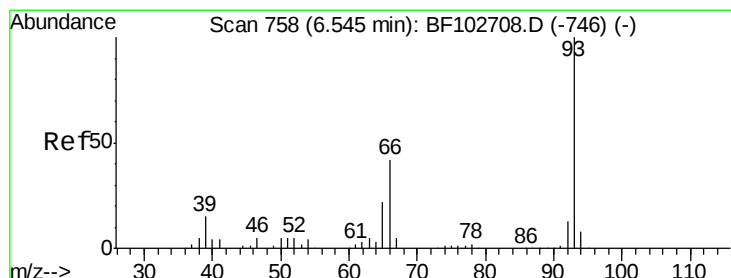
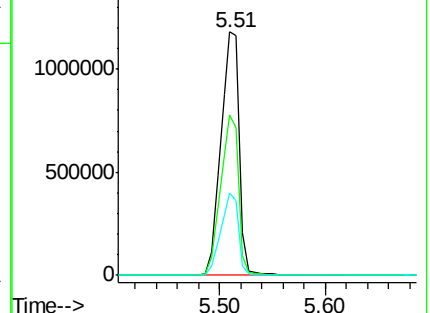
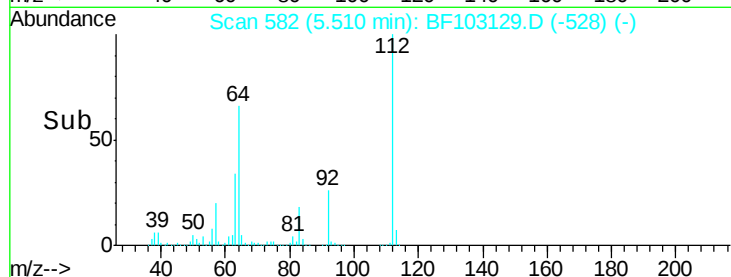
63 33.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 16.337 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

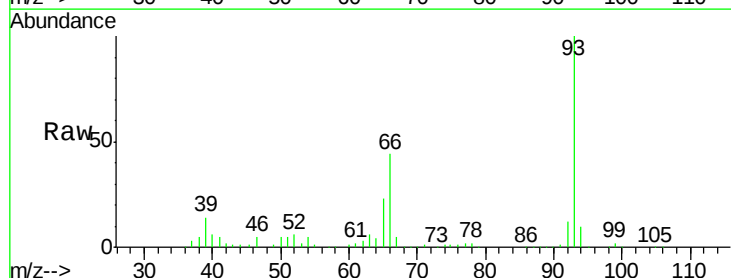
Tgt Ion: 93 Resp: 382038

Ion Ratio Lower Upper

93 100

66 43.7 32.2 48.2

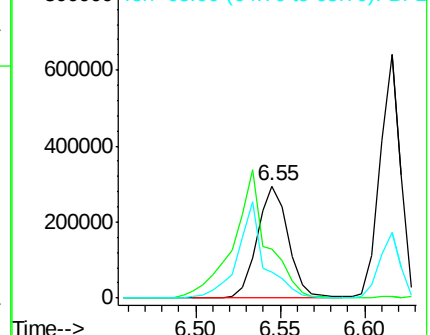
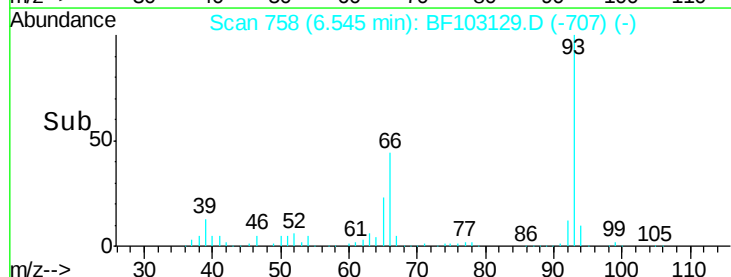
65 22.6 16.4 24.6

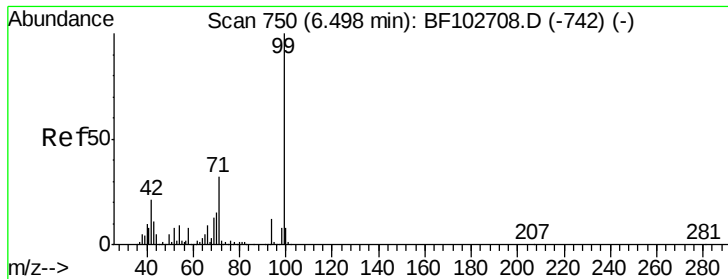


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 111.708 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

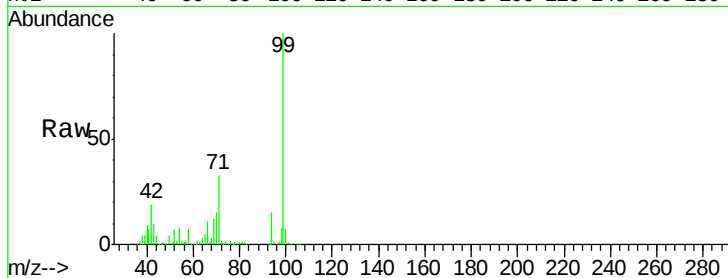
Tot Ion: 99 Resp: 1768935

Ion Ratio Lower Upper

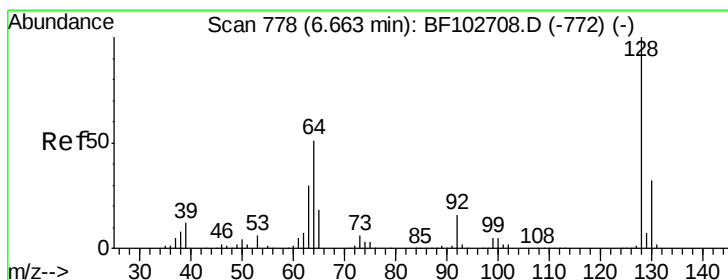
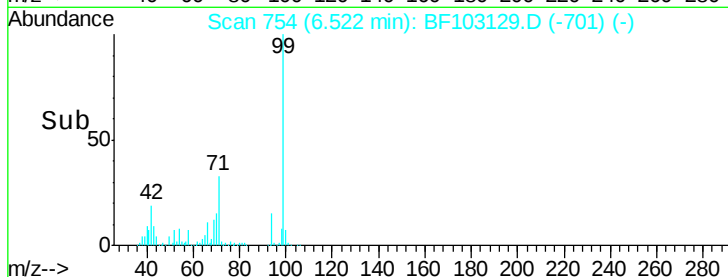
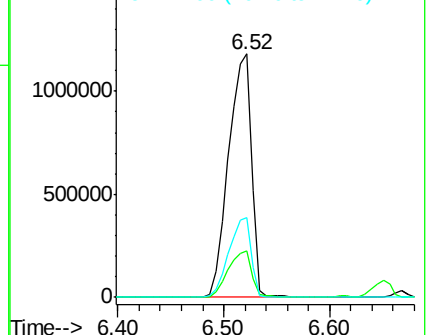
99 100

42 18.9 14.5 21.7

71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.208 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

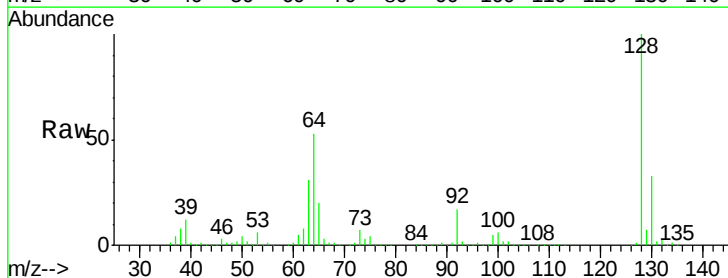
Tgt Ion:128 Resp: 530867

Ion Ratio Lower Upper

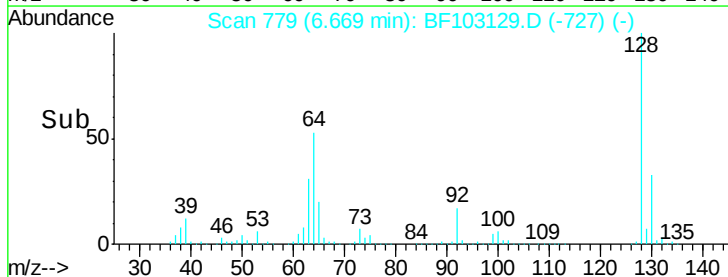
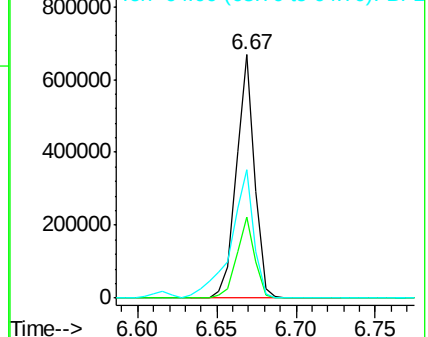
128 100

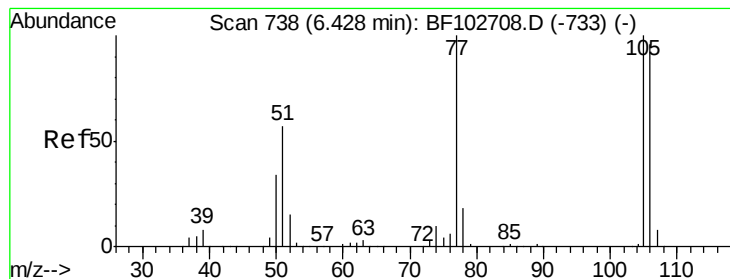
130 33.4 13.0 53.0

64 52.6 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.735 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampled :

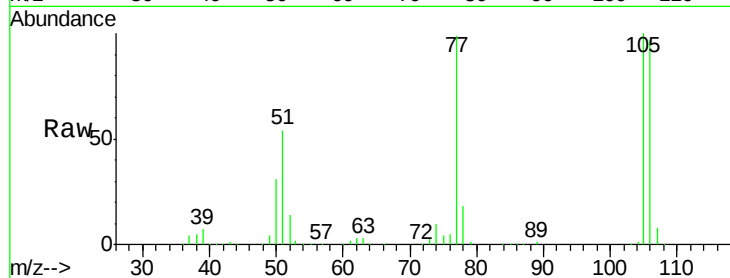
Tot Ion: 77 Resp: 349678

Ion Ratio Lower Upper

77 100

105 101.5 81.1 121.1

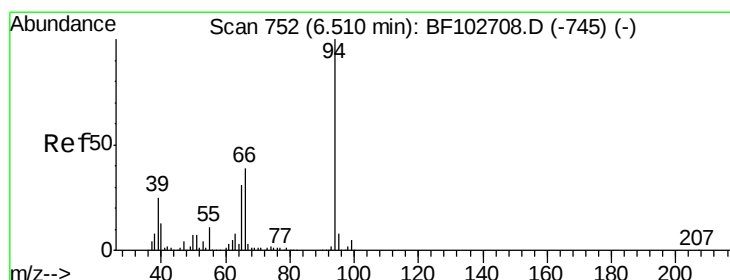
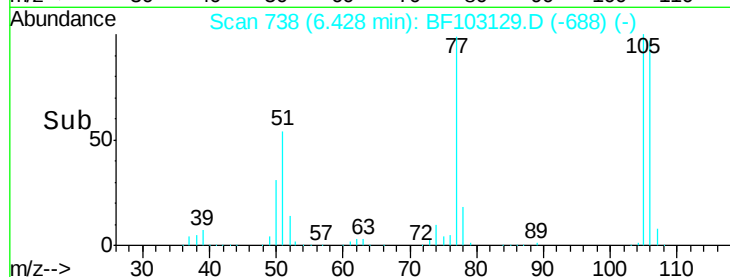
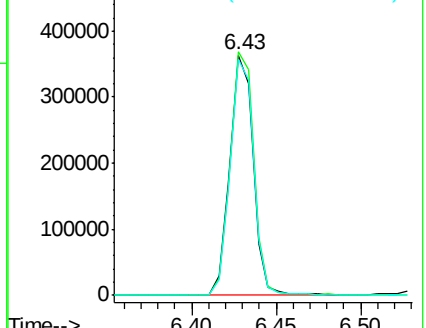
106 98.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 38.524 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

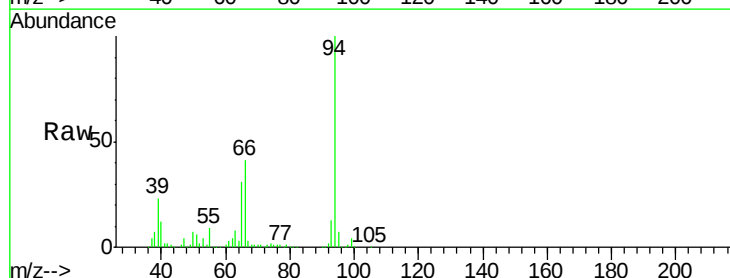
Tgt Ion: 94 Resp: 653779

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

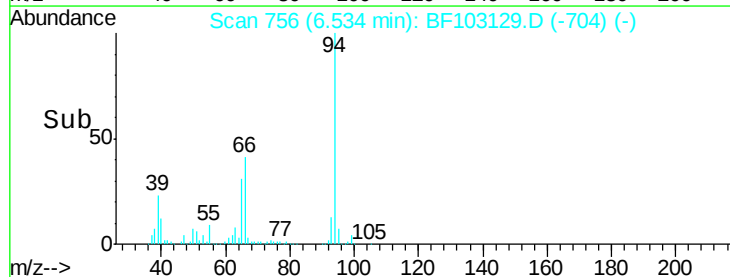
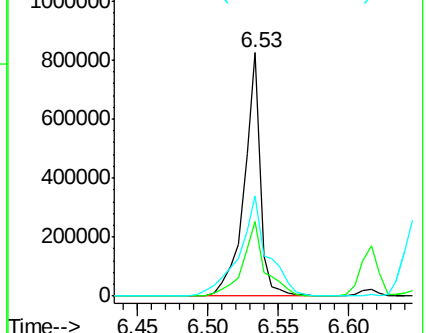
66 41.1 16.2 56.2

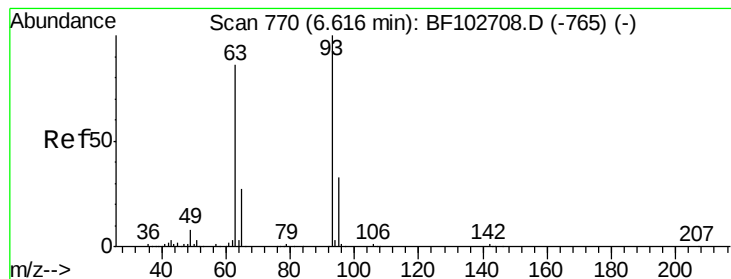


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

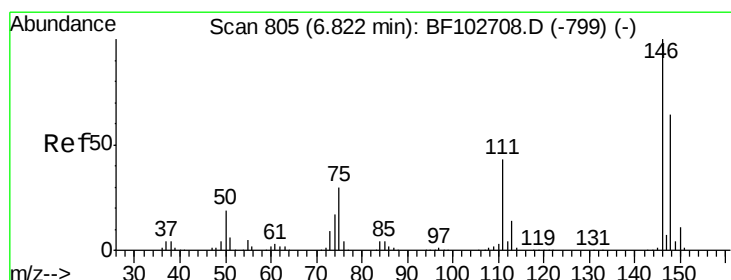
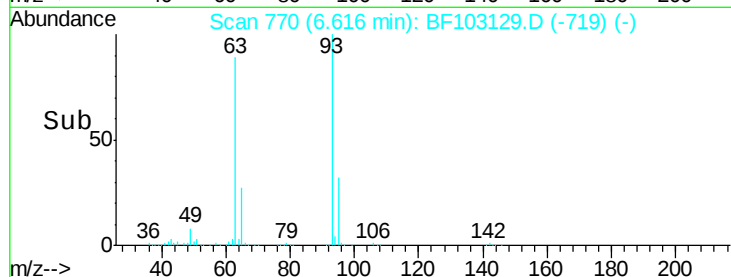
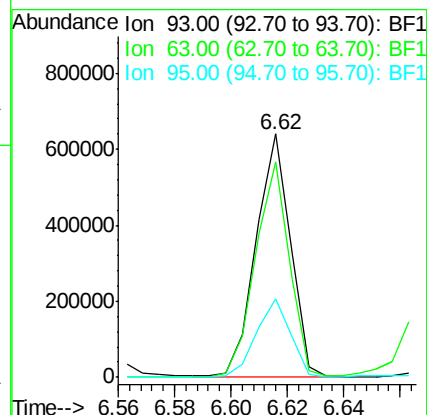
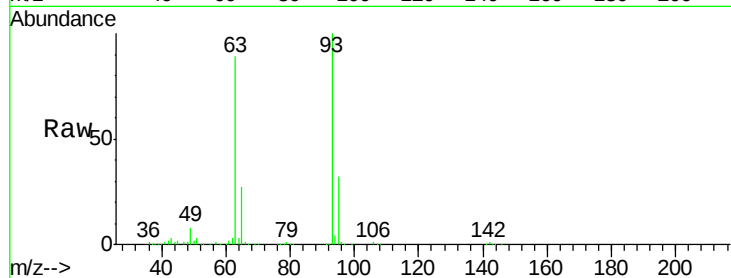




#11  
bis(2-Chloroethyl)ether  
Concen: 38.223 ng  
RT: 6.62 min Scan# 770  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

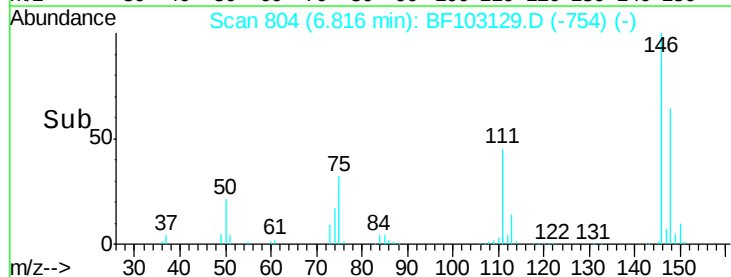
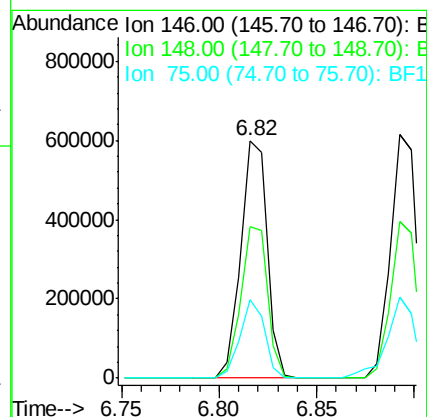
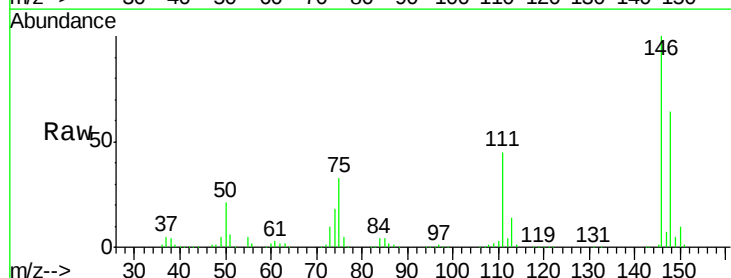
Instrument :  
BNA\_F  
ClientSampleId :

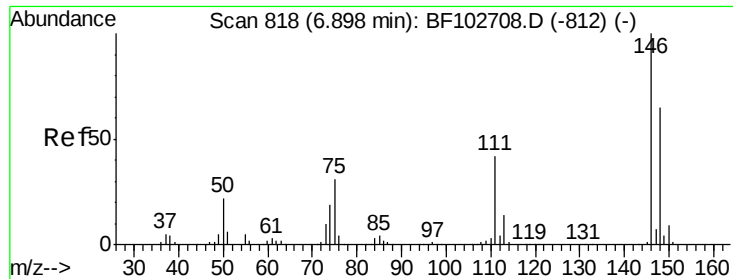
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 88.5  | 58.6  | 98.6  |
| 95      | 32.4  | 11.8  | 51.8  |



#12  
1,3-Dichlorobenzene  
Concen: 36.080 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 51.8  | 77.8  |
| 75      | 32.8  | 24.2  | 36.4  |

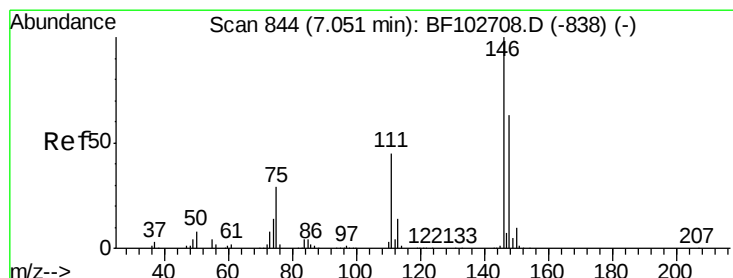
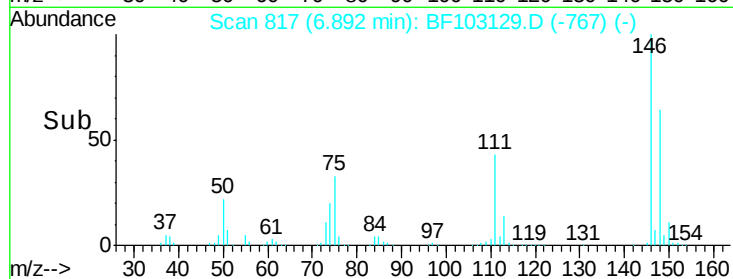
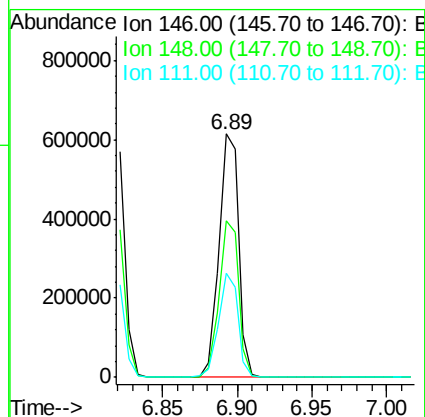
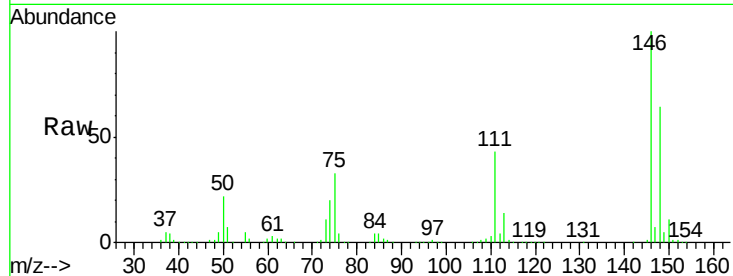




#13  
 1,4-Dichlorobenzene  
 Concen: 36.545 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

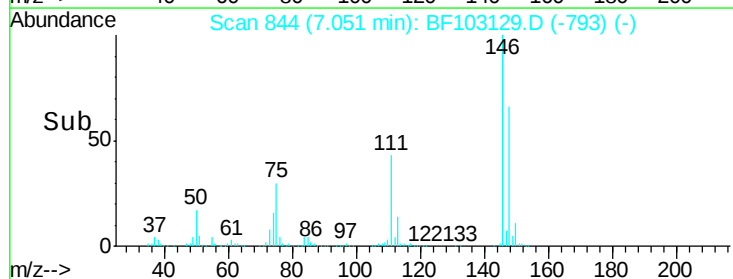
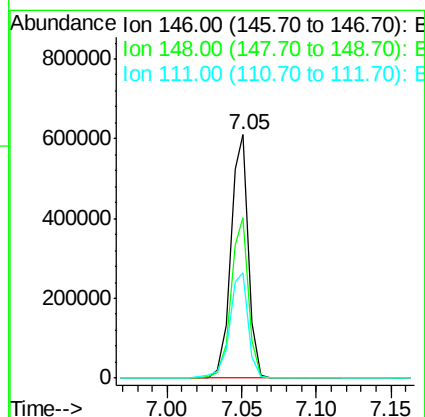
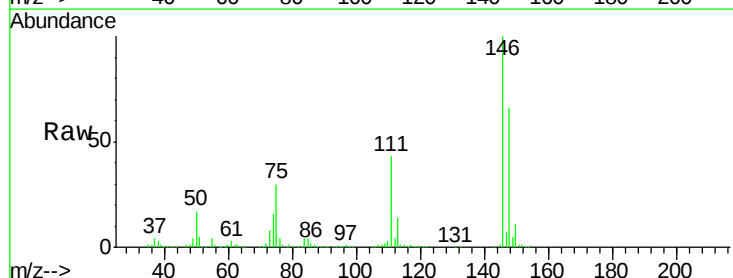
Instrument :  
 BNA\_F  
 ClientSampleId :

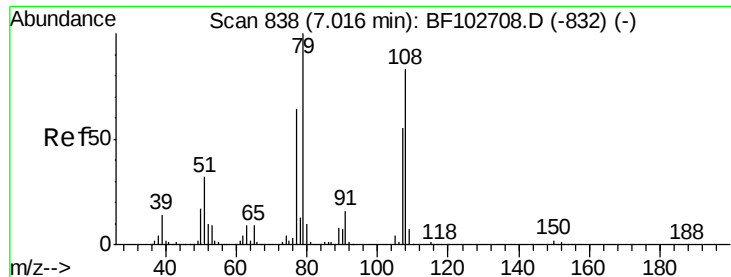
Tot Ion:146 Resp: 570780  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 50.8 76.2  
 111 43.0 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 35.053 ng  
 RT: 7.05 min Scan# 844  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:146 Resp: 509927  
 Ion Ratio Lower Upper  
 146 100  
 148 65.8 50.6 75.8  
 111 43.1 36.0 54.0





#15

Benzyl Alcohol

Concen: 38.004 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampled :

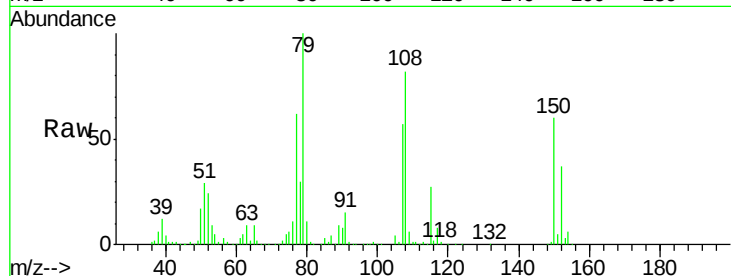
Tot Ion: 79 Resp: 462679

Ion Ratio Lower Upper

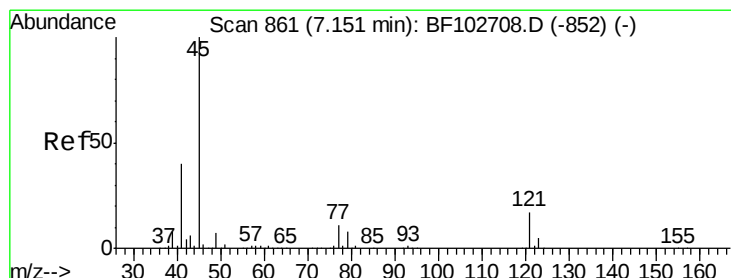
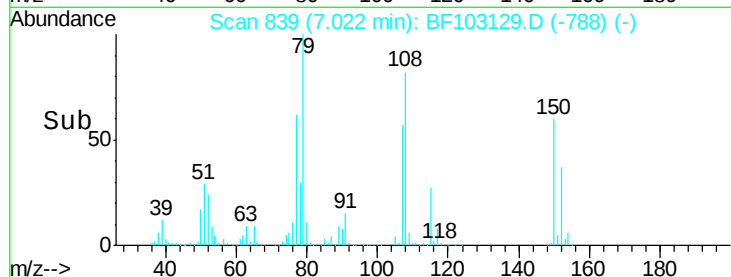
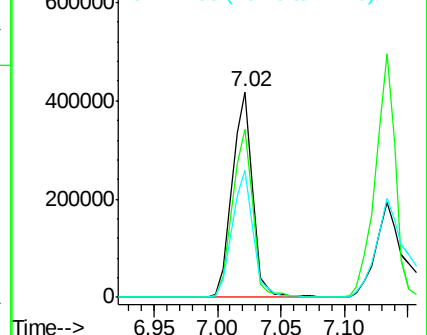
79 100

108 81.7 65.1 97.7

77 61.8 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.822 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

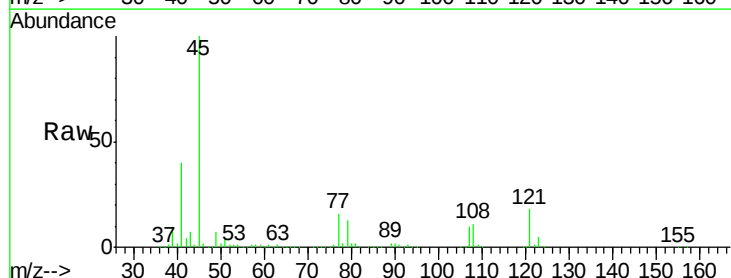
Tgt Ion: 45 Resp: 934103

Ion Ratio Lower Upper

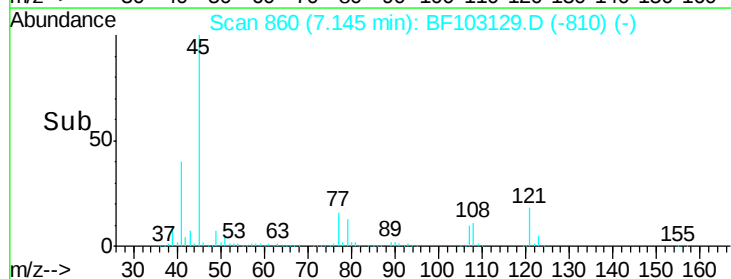
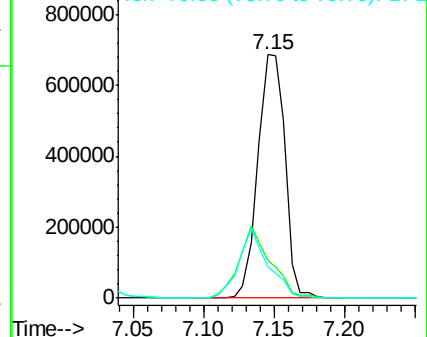
45 100

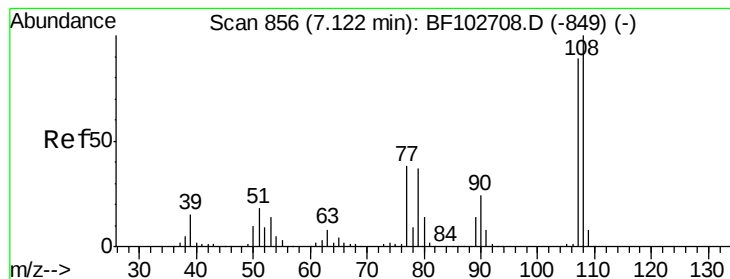
77 15.6 0.0 32.9

79 12.6 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

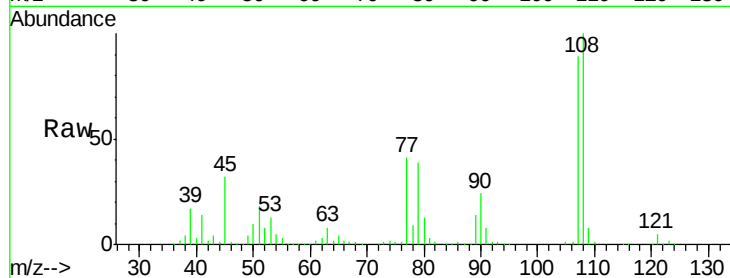




#17  
2-Methylphenol  
Concen: 38.028 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.9 | 91.7  | 137.5 |
| 77      | 46.0  | 33.8  | 50.8  |
| 79      | 44.4  | 33.8  | 50.8  |



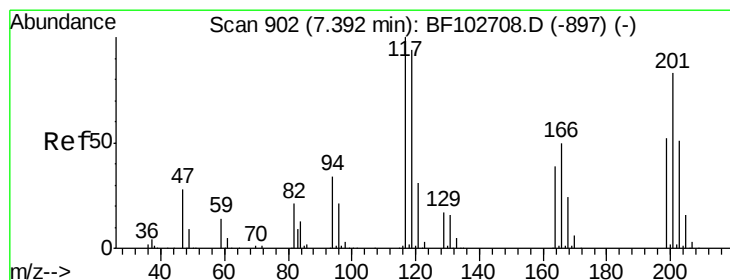
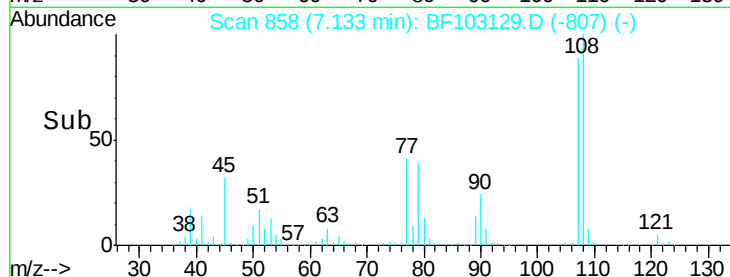
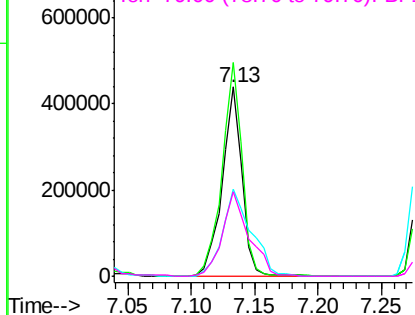
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

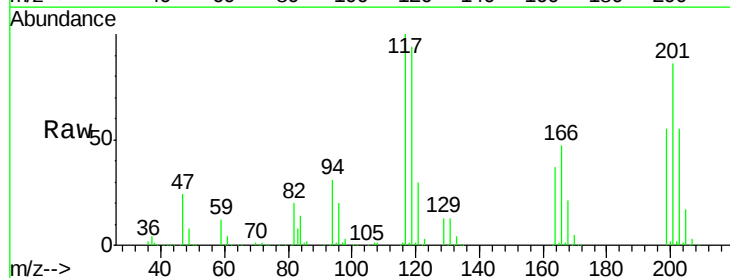
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 40.243 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.0  | 75.8  | 113.8 |
| 201     | 86.5  | 75.7  | 113.5 |

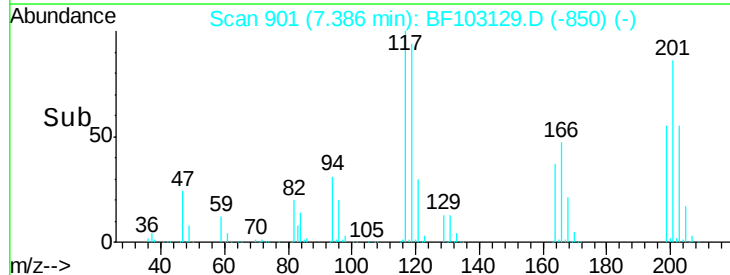
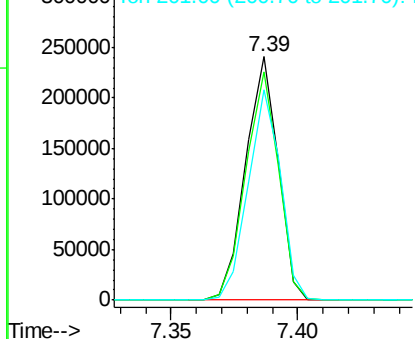


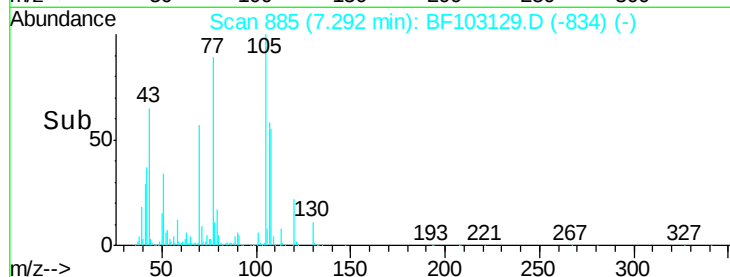
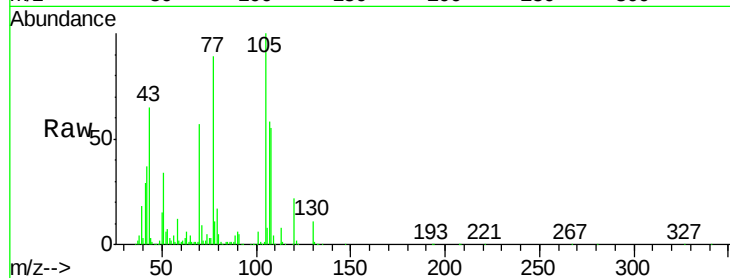
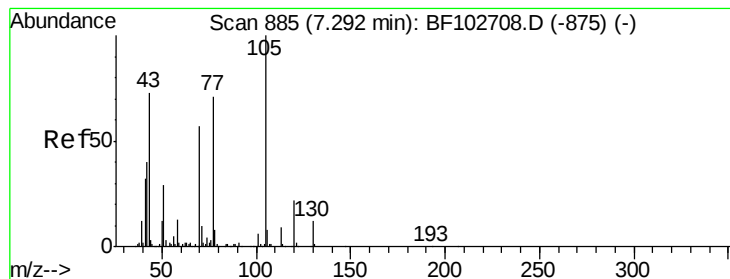
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 35.009 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 365513

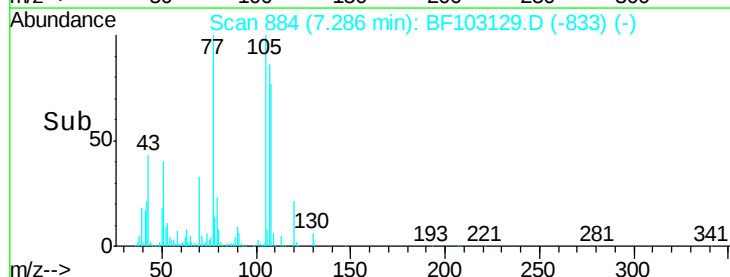
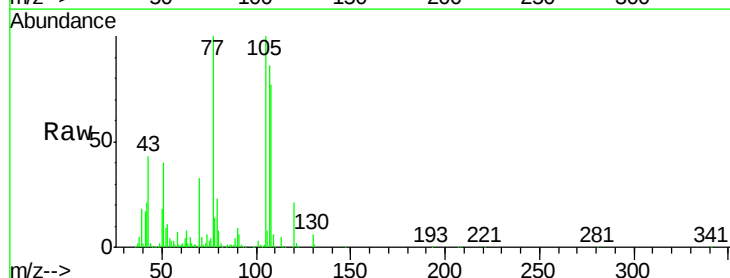
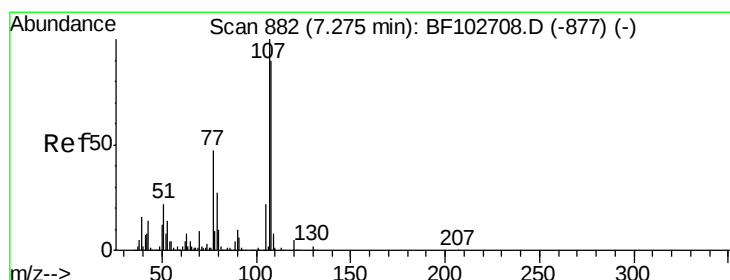
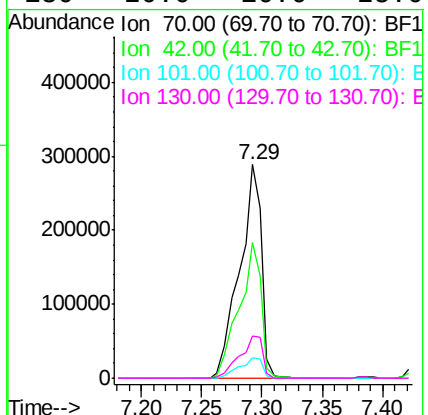
Ion Ratio Lower Upper

70 100

42 63.7 47.5 71.3

101 9.7 7.4 11.2

130 20.0 16.6 25.0



#20

3+4-Methylphenols

Concen: 34.168 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Tgt Ion:107 Resp: 526226

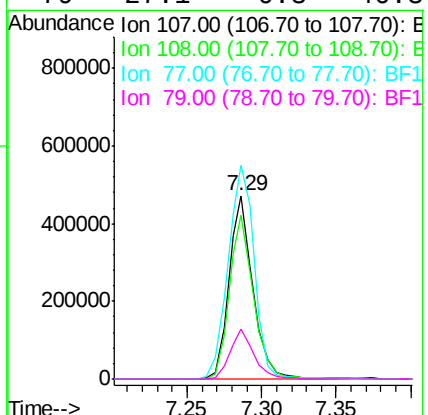
Ion Ratio Lower Upper

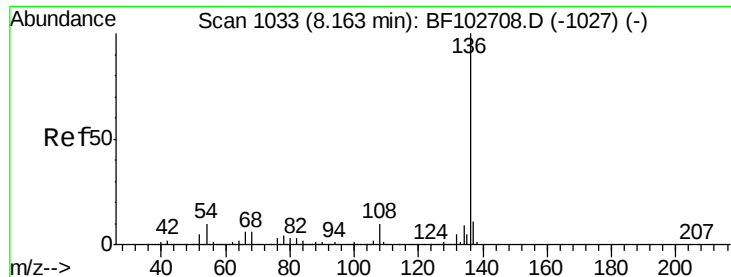
107 100

108 89.7 68.2 108.2

77 116.5 26.7 66.7#

79 27.1 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 837417

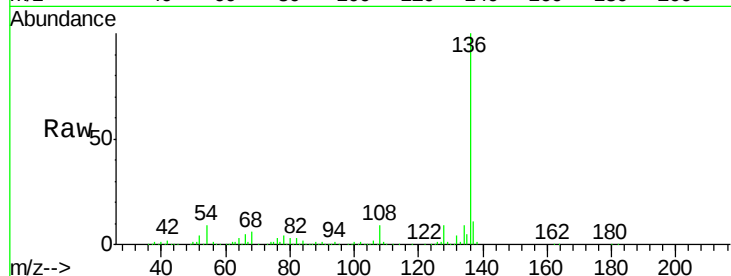
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.0 6.6 9.8

68 5.9 5.0 7.4

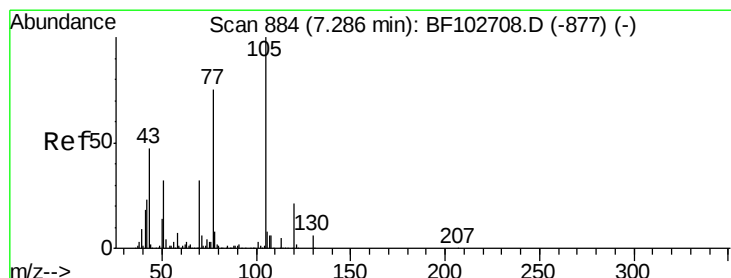
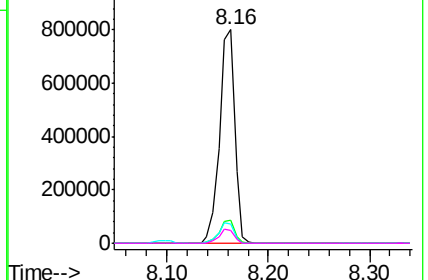
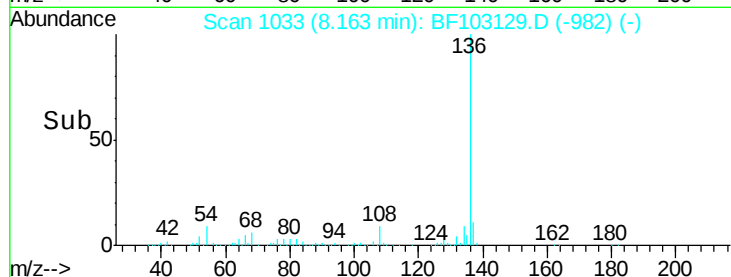


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 34.247 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Tgt Ion:105 Resp: 701810

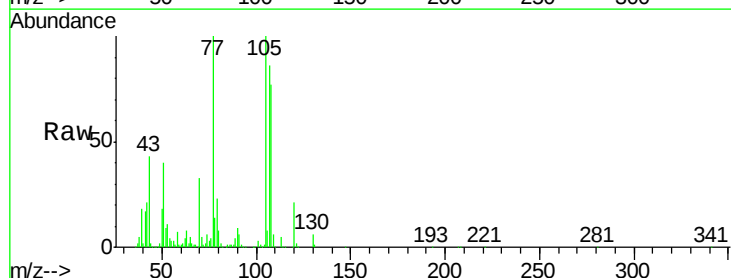
Ion Ratio Lower Upper

105 100

71 5.5 4.4 6.6

51 40.1 22.3 33.5#

120 21.1 16.9 25.3

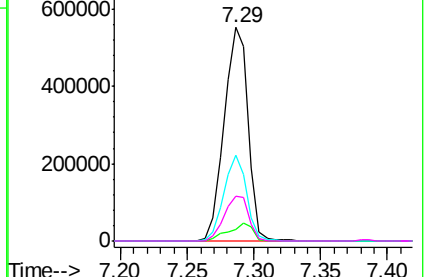
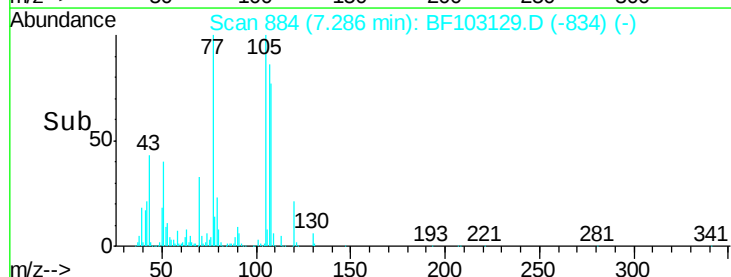


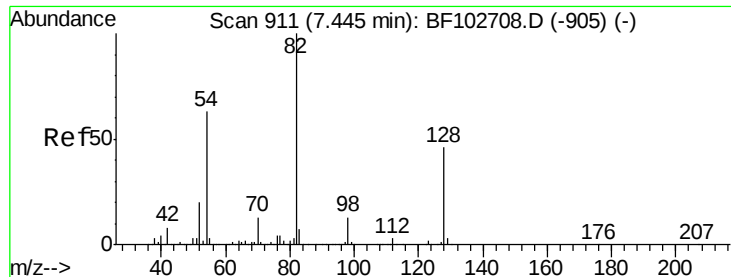
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

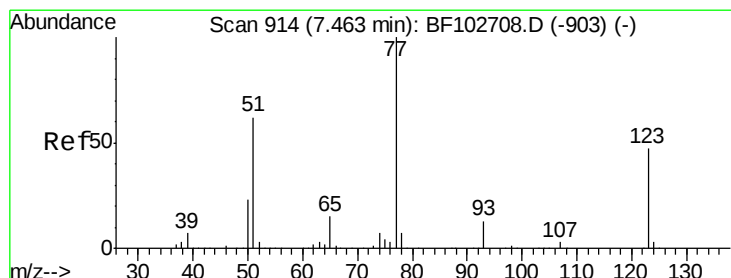
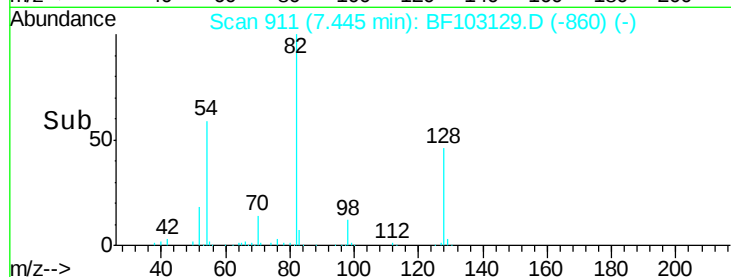
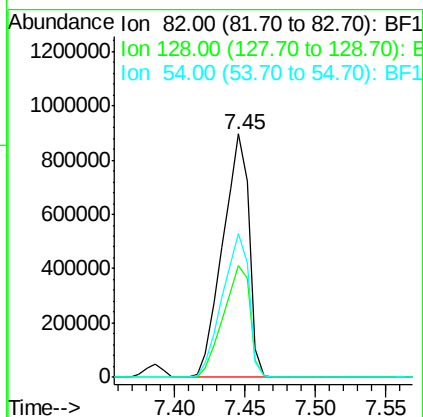
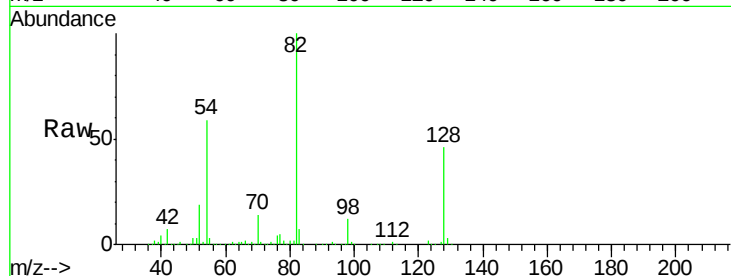




#23  
Nitrobenzene-d5  
Concen: 96.157 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

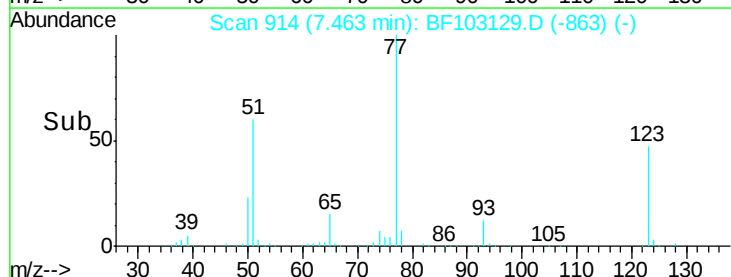
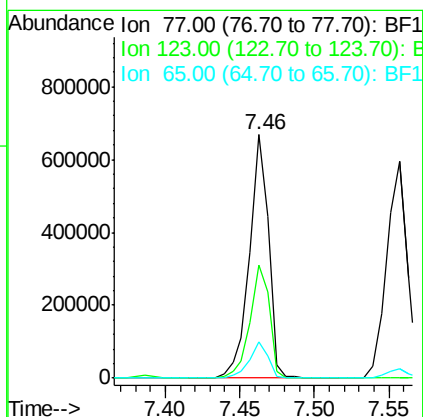
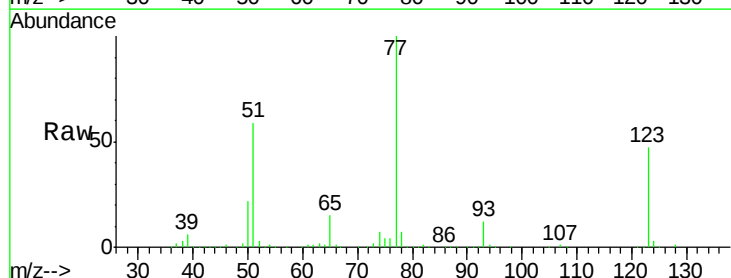
Instrument :  
BNA\_F  
ClientSampleId :

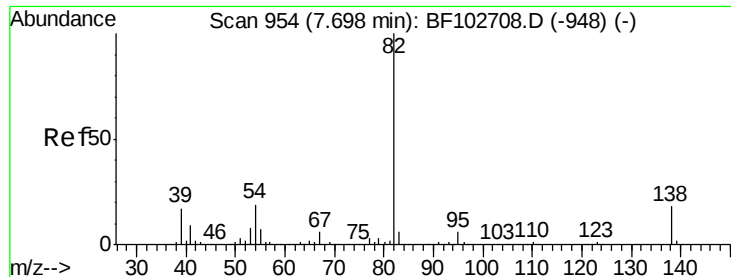
Tot Ion: 82 Resp: 1160778  
Ion Ratio Lower Upper  
82 100  
128 46.1 36.1 54.1  
54 59.2 41.4 62.2



#24  
Nitrobenzene  
Concen: 41.536 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion: 77 Resp: 589874  
Ion Ratio Lower Upper  
77 100  
123 46.6 37.9 56.9  
65 14.9 11.0 16.4

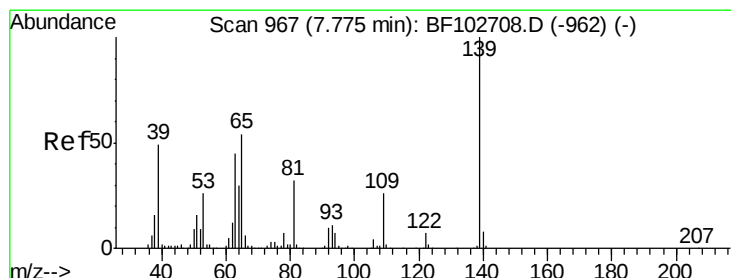
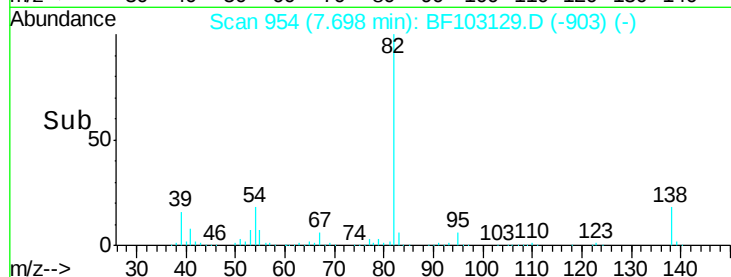
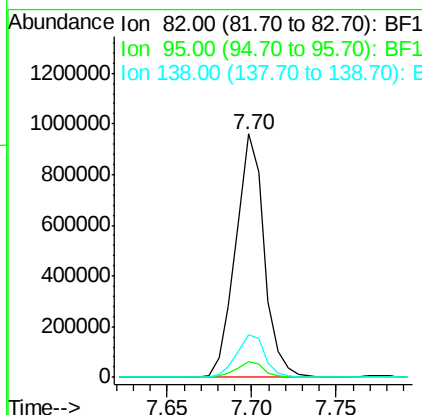
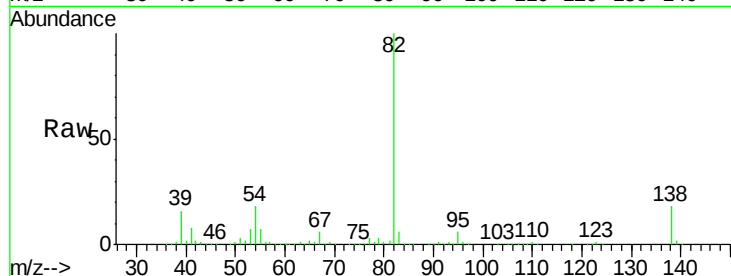




#25  
Isophorone  
Concen: 40.793 ng  
RT: 7.70 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

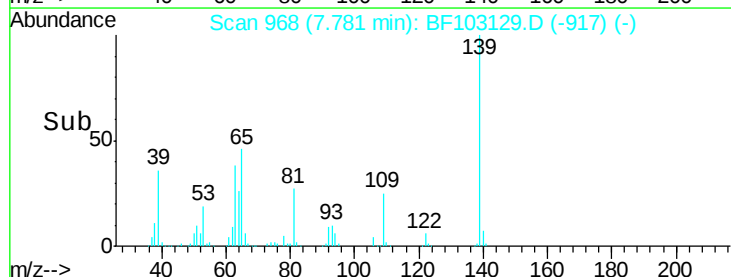
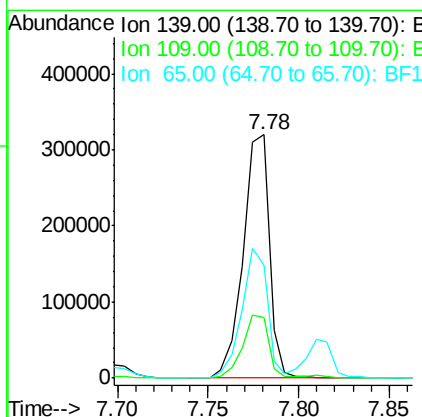
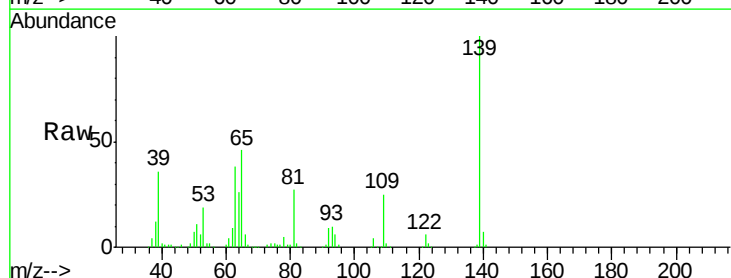
Instrument :  
BNA\_F  
ClientSampleId :

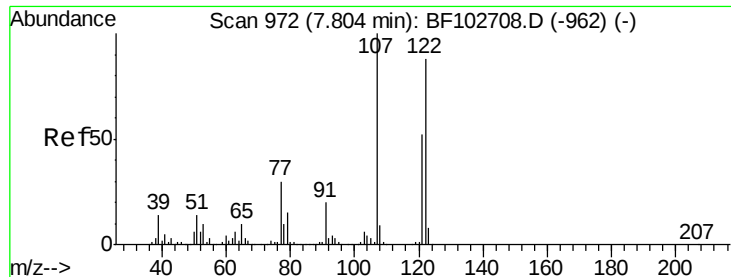
Tot Ion: 82 Resp: 1133916  
Ion Ratio Lower Upper  
82 100  
95 6.3 5.2 7.8  
138 17.7 14.9 22.3



#26  
2-Nitrophenol  
Concen: 53.996 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion: 139 Resp: 322699  
Ion Ratio Lower Upper  
139 100  
109 24.9 22.7 34.1  
65 46.3 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 45.218 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

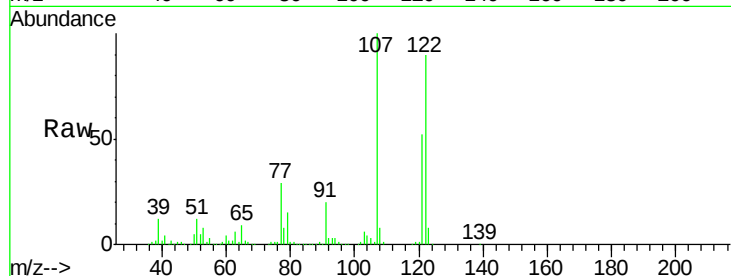
Tot Ion:122 Resp: 531021

Ion Ratio Lower Upper

122 100

107 110.6 91.2 136.8

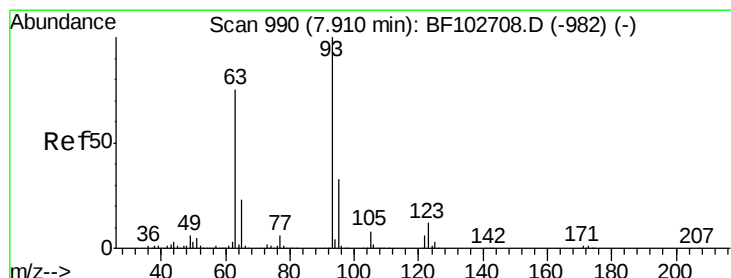
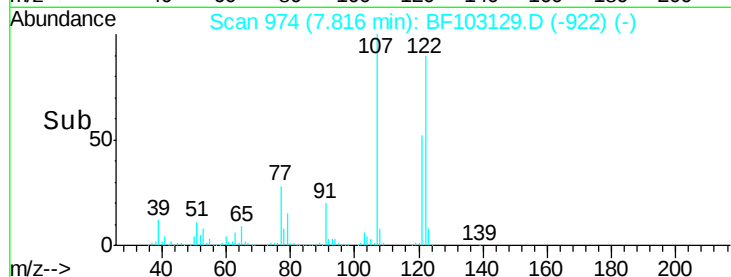
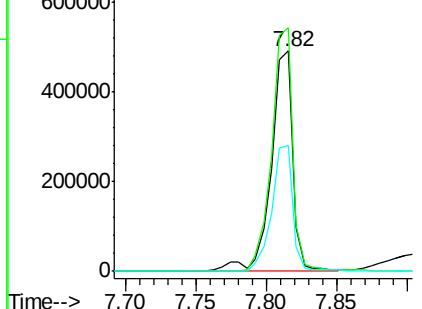
121 57.4 47.2 70.8



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: 42.664 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

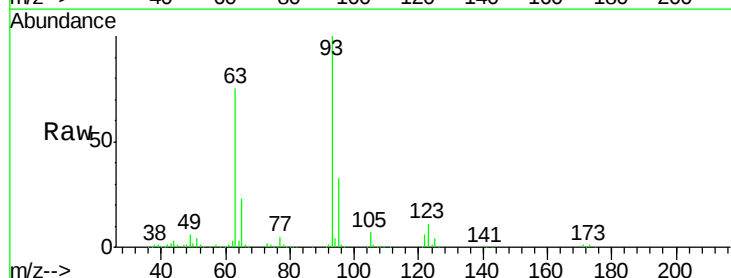
Tgt Ion: 93 Resp: 702528

Ion Ratio Lower Upper

93 100

95 32.6 26.3 39.5

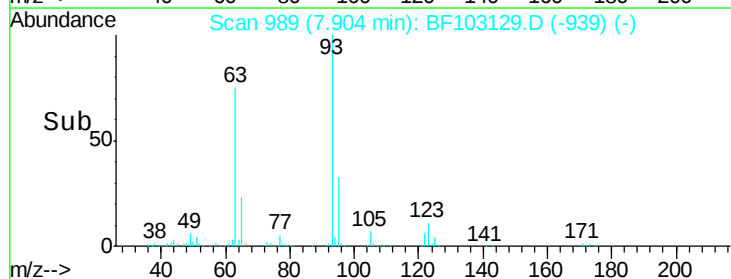
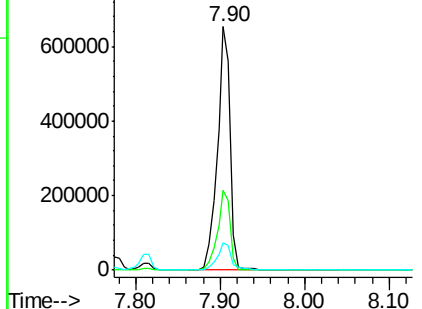
123 11.0 9.8 14.6

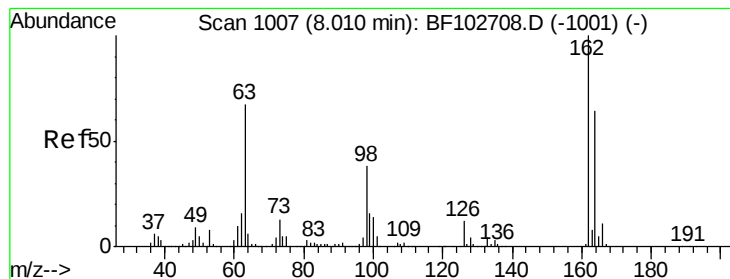


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 43.292 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

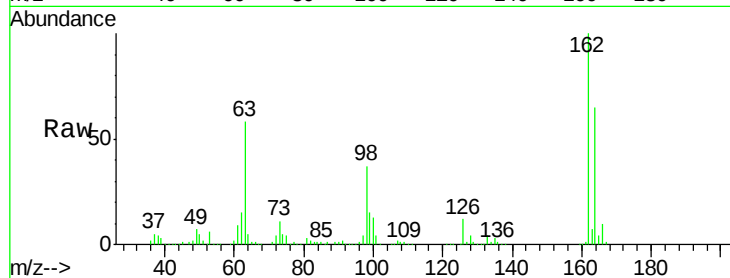
Tot Ion:162 Resp: 462174

Ion Ratio Lower Upper

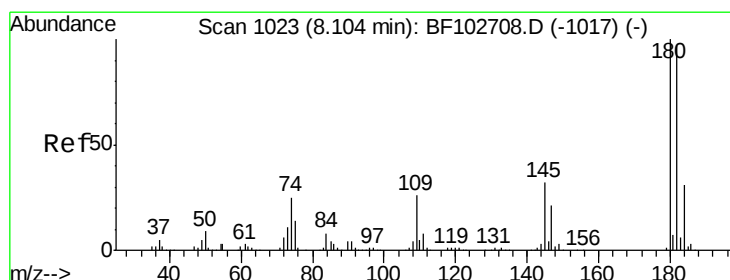
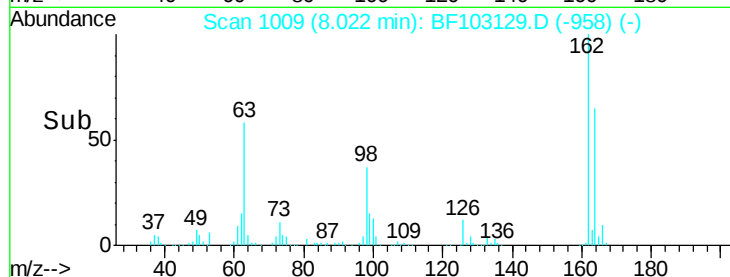
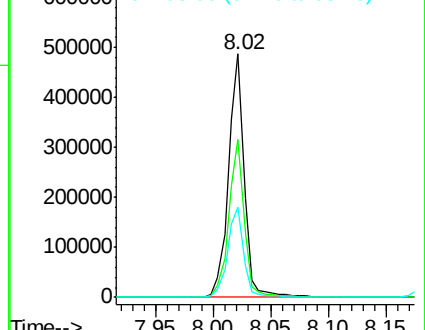
162 100

164 64.9 42.7 82.7

98 36.8 18.1 58.1



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): BF1



#30

1,2,4-Trichlorobenzene

Concen: 37.181 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

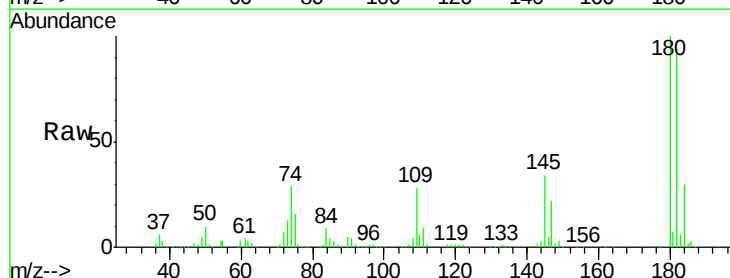
Tgt Ion:180 Resp: 449042

Ion Ratio Lower Upper

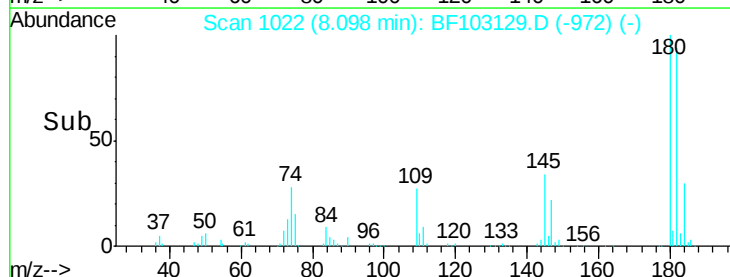
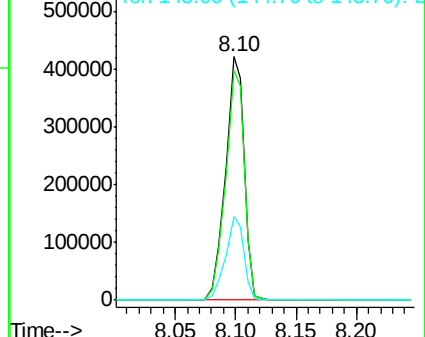
180 100

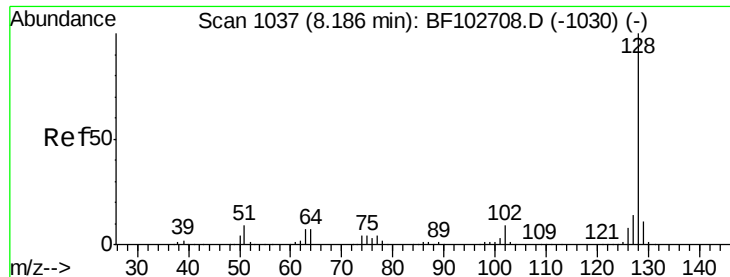
182 94.3 76.8 115.2

145 34.4 26.5 39.7



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

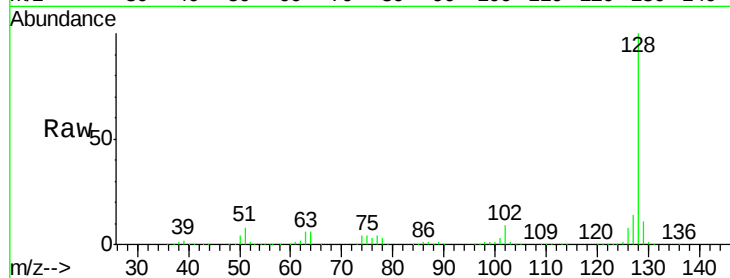




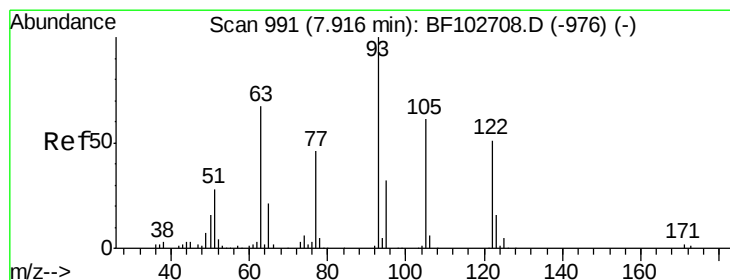
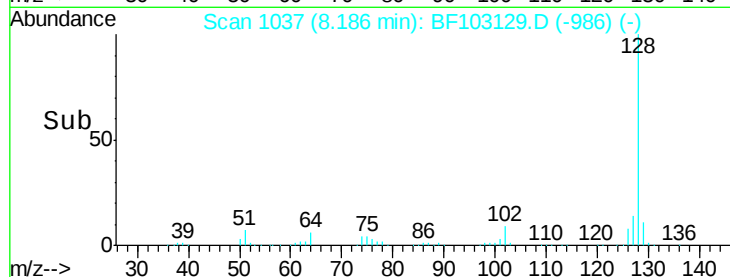
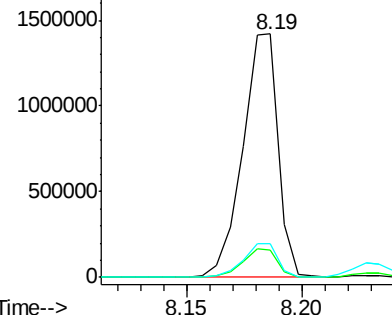
#31  
Naphthalene  
Concen: 37.253 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 1524176  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.7 10.9 16.3

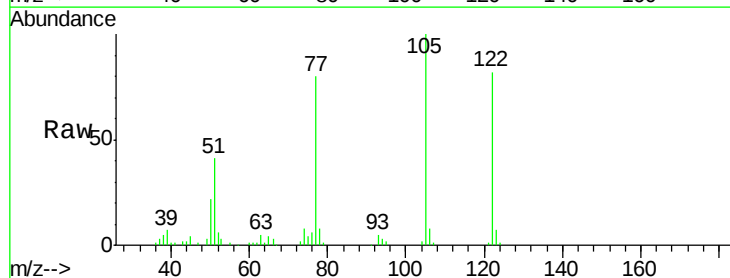


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

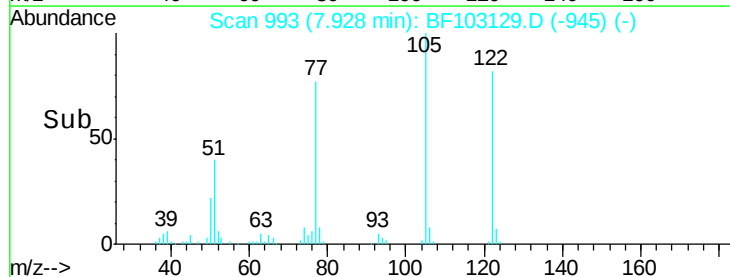
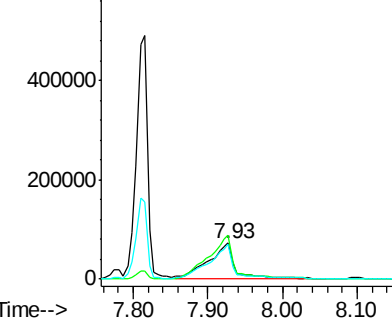


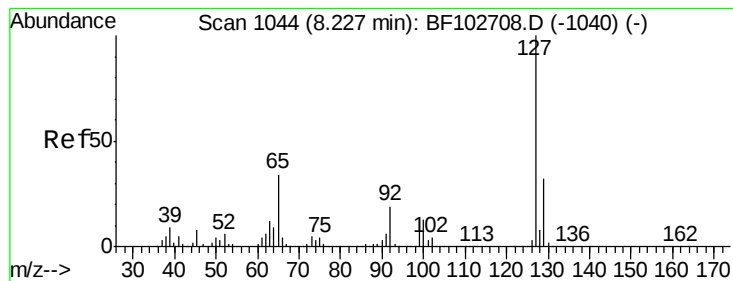
#32  
Benzoic acid  
Concen: 27.678 ng  
RT: 7.93 min Scan# 993  
Delta R.T. -0.02 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:122 Resp: 177977  
Ion Ratio Lower Upper  
122 100  
105 121.4 101.1 141.1  
77 96.6 70.7 110.7



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): BF1





#33

4-Chloroaniline

Concen: 6.223 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 109691

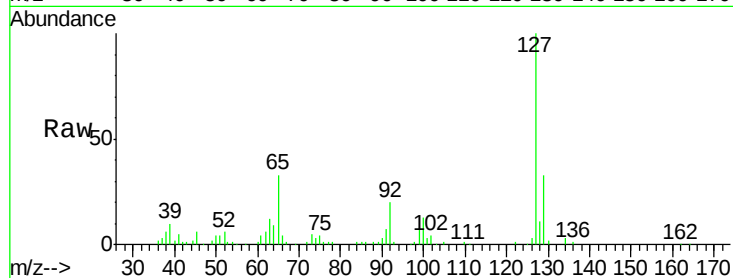
Ion Ratio Lower Upper

127 100

129 33.5 25.9 38.9

65 32.7 25.0 37.4

92 19.6 15.2 22.8

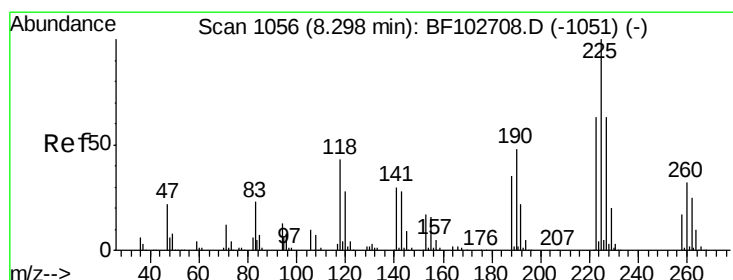
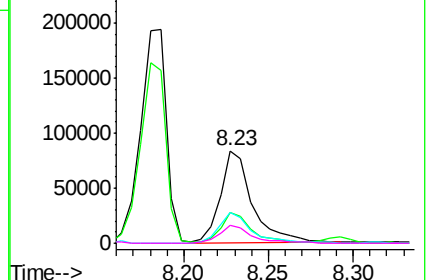
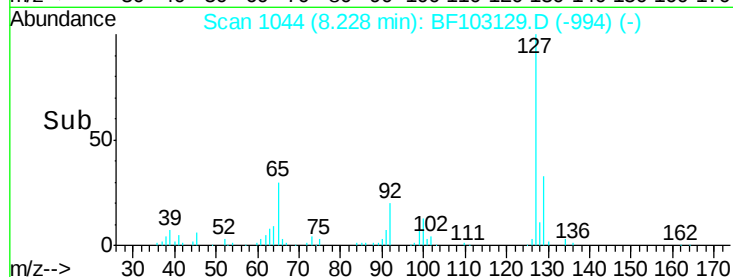


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 36.721 ng

RT: 8.29 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

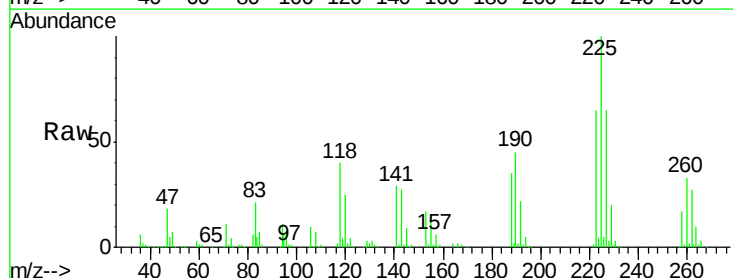
Tgt Ion:225 Resp: 227252

Ion Ratio Lower Upper

225 100

223 65.2 50.6 76.0

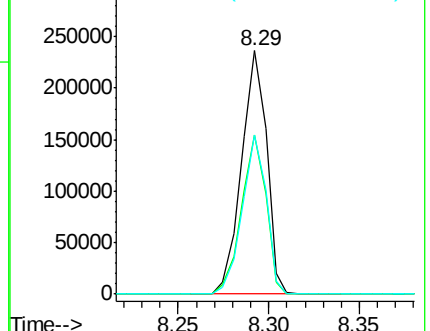
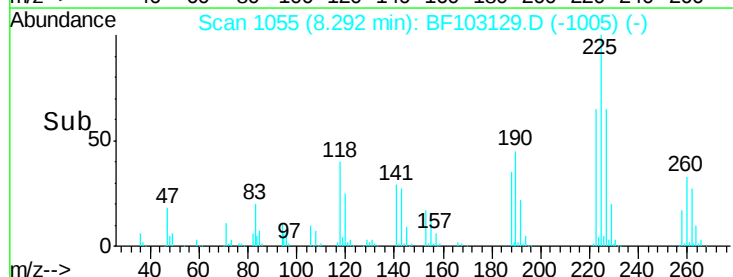
227 65.4 51.9 77.9

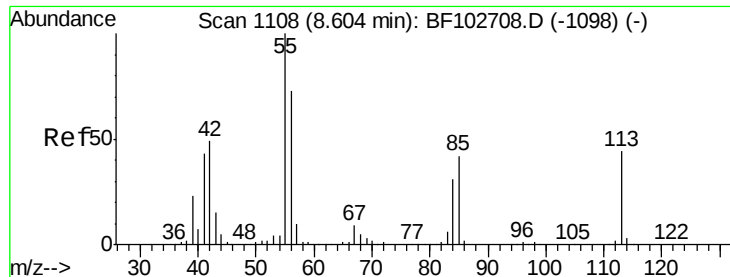


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

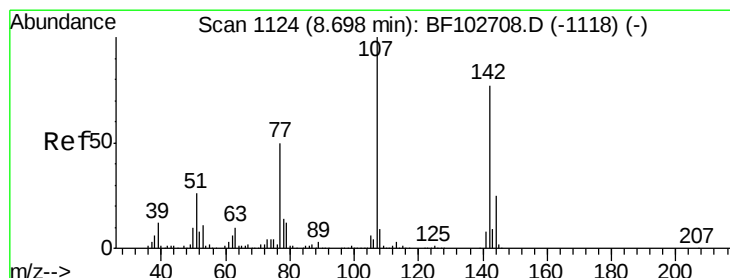
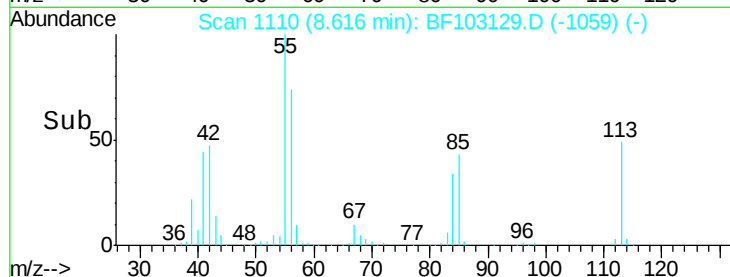
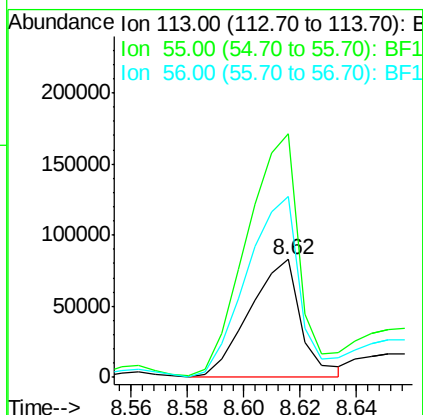
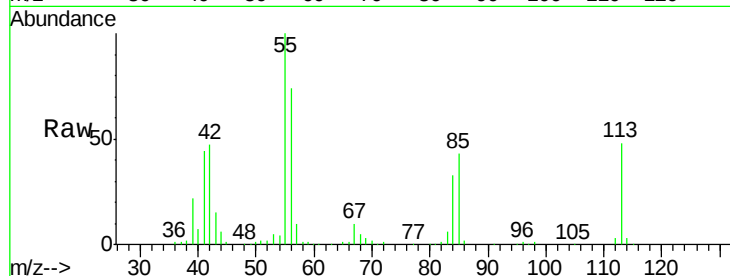




#35  
Caprolactam  
Concen: 28.337 ng  
RT: 8.62 min Scan# 1110  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

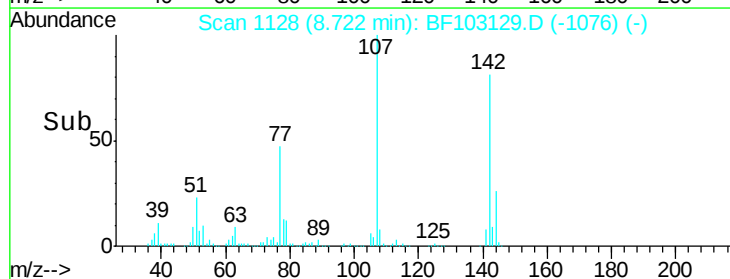
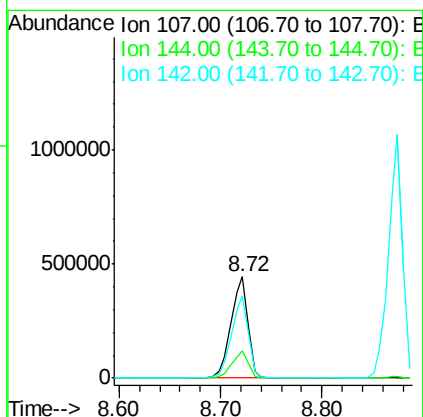
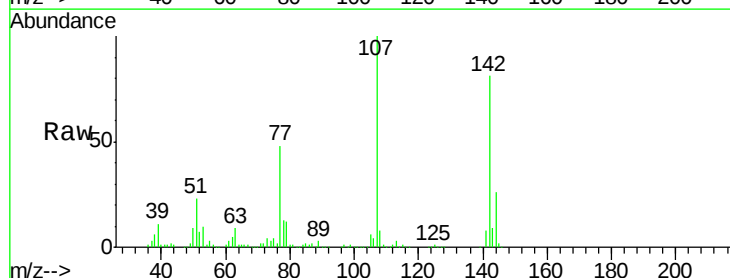
Instrument :  
BNA\_F  
ClientSampled :

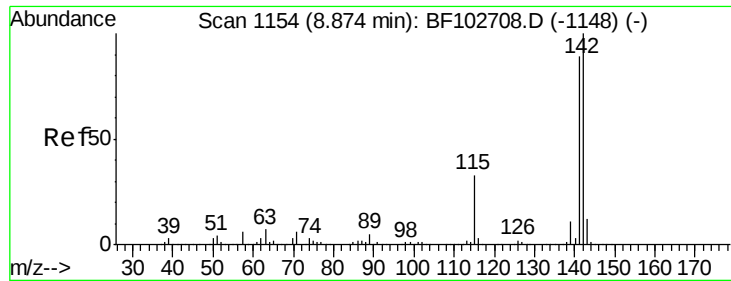
Tot Ion:113 Resp: 105061  
Ion Ratio Lower Upper  
113 100  
55 206.2 163.3 203.3#  
56 152.7 115.7 155.7



#36  
4-Chloro-3-methylphenol  
Concen: 43.093 ng  
RT: 8.72 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:107 Resp: 516904  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.5 30.7  
142 80.8 62.0 93.0

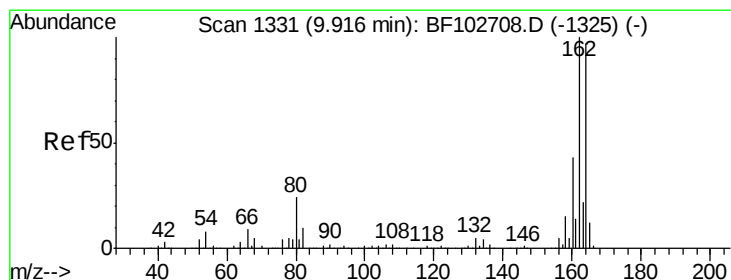
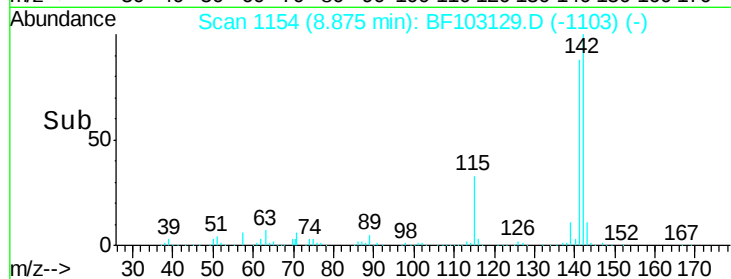
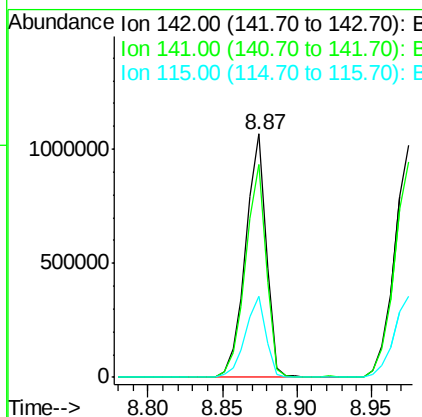
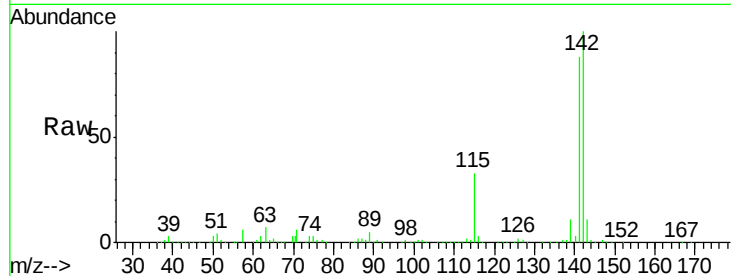




#37  
2-Methylnaphthalene  
Concen: 38.219 ng  
RT: 8.87 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

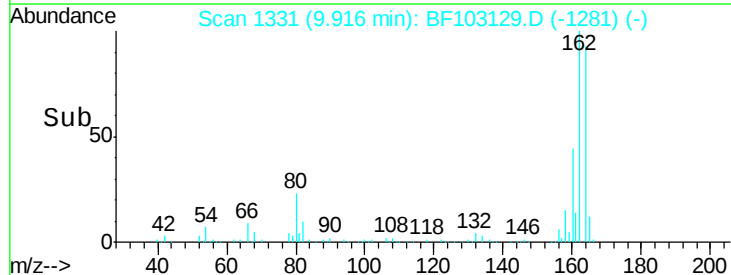
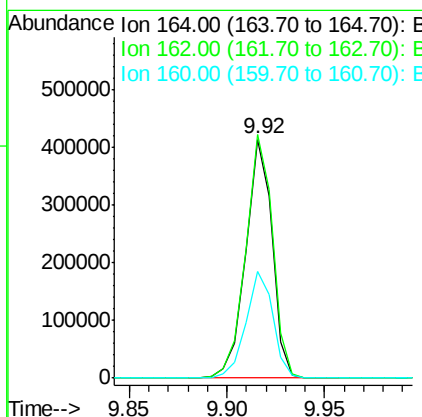
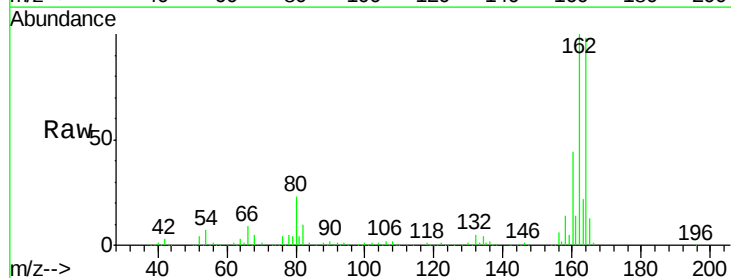
Instrument :  
BNA\_F  
ClientSampleId :

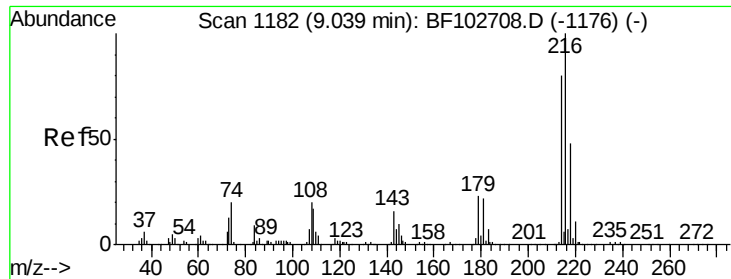
Tot Ion:142 Resp: 1023775  
Ion Ratio Lower Upper  
142 100  
141 87.5 70.8 106.2  
115 33.2 26.1 39.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:164 Resp: 388138  
Ion Ratio Lower Upper  
164 100  
162 102.0 86.1 129.1  
160 44.8 38.3 57.5

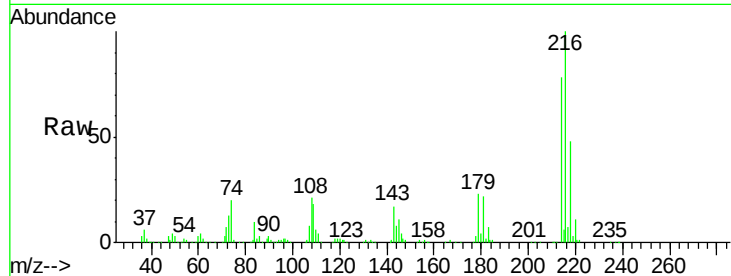




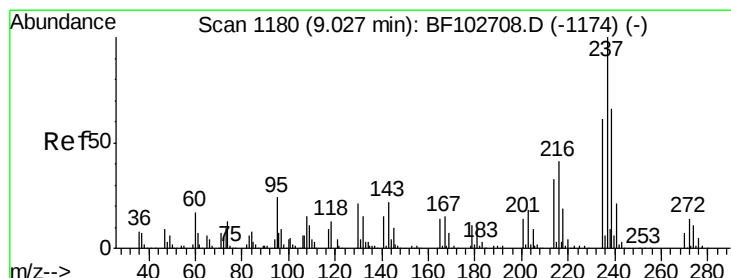
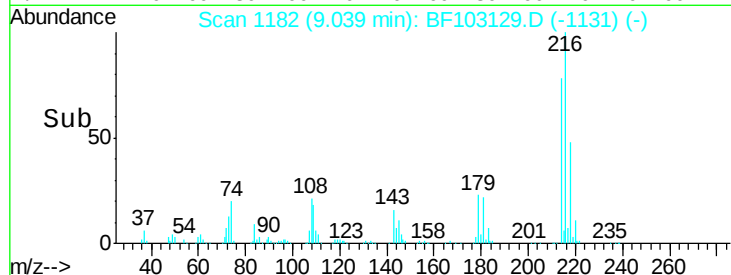
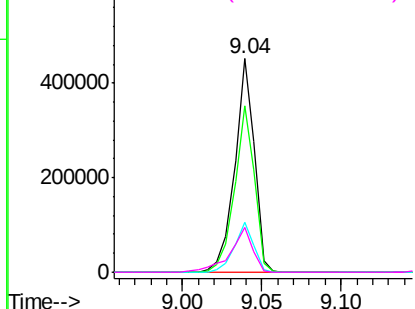
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.625 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 387070    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.0  | 63.0 94.4 |
| 179         | 23.0  | 18.1 27.1 |
| 108         | 24.0  | 17.2 25.8 |

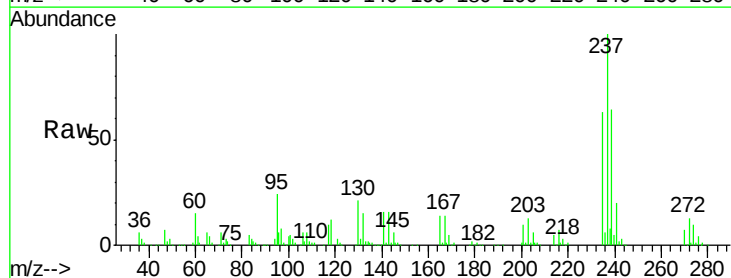


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

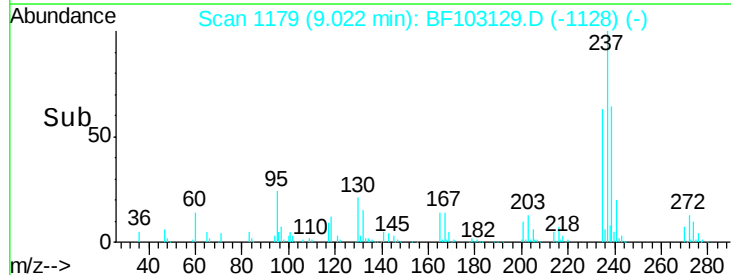
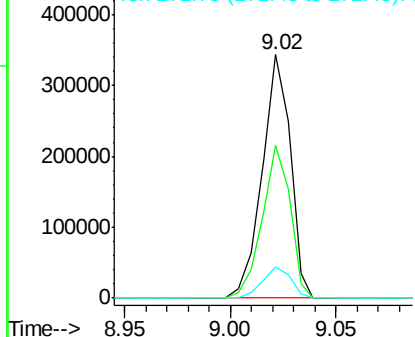


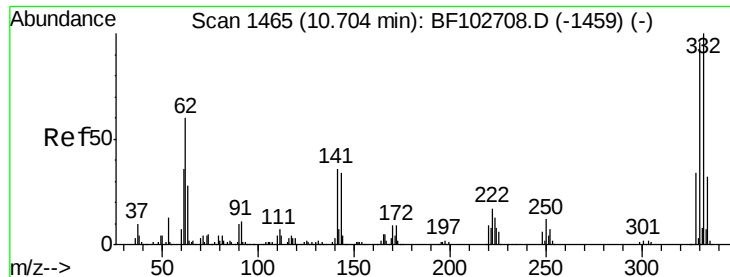
#40  
 Hexachlorocyclopentadiene  
 Concen: 63.426 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 318648    |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 62.9  | 44.8 84.8 |
| 272         | 12.9  | 0.0 33.3  |



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: 115.219 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampled :

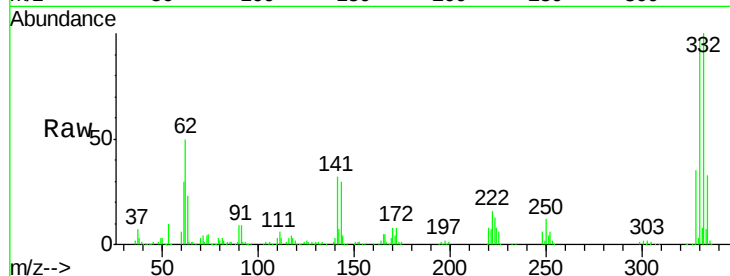
Tot Ion:330 Resp: 359952

Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

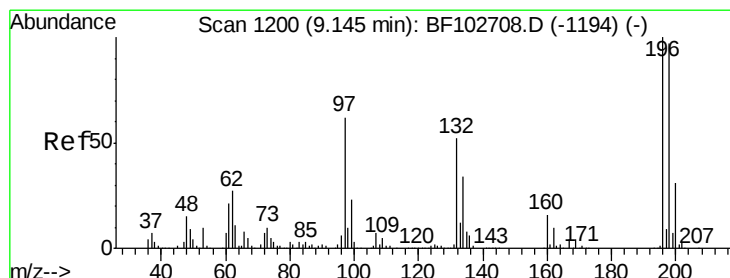
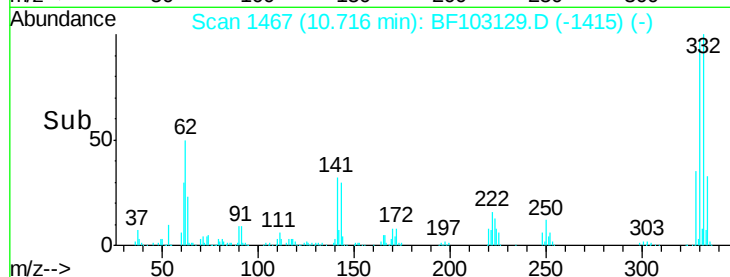
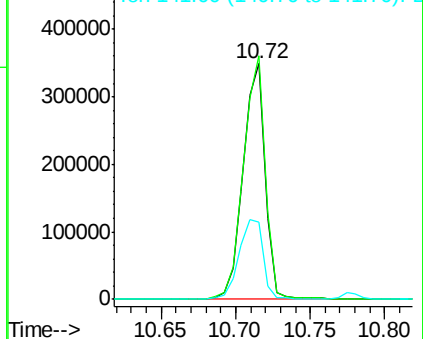
141 37.6 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 41.965 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

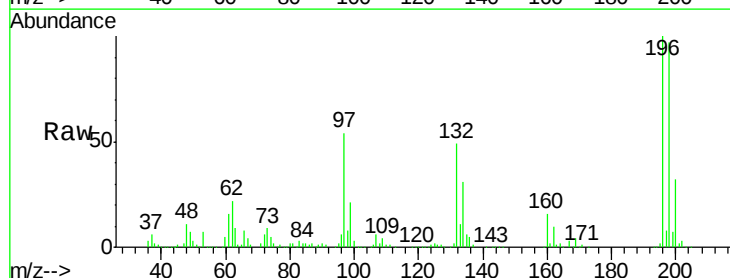
Tgt Ion:196 Resp: 291300

Ion Ratio Lower Upper

196 100

198 97.4 75.7 113.5

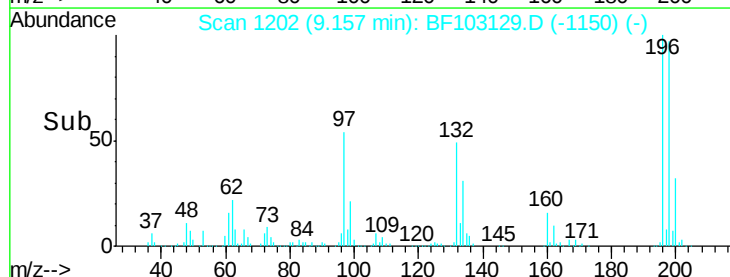
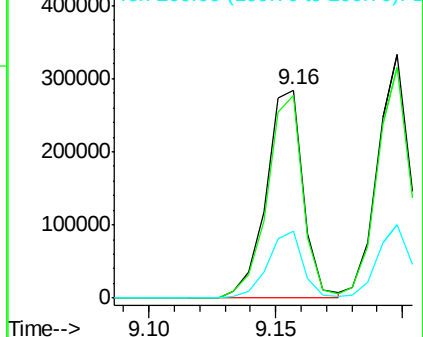
200 32.1 24.5 36.7

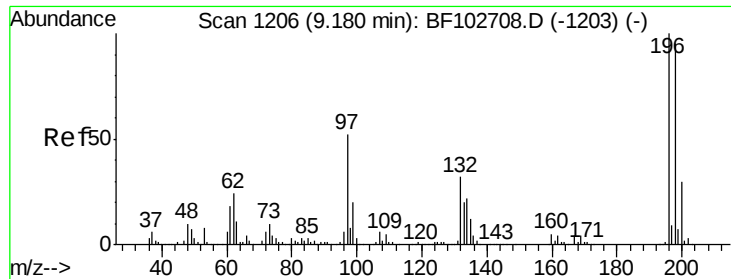


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

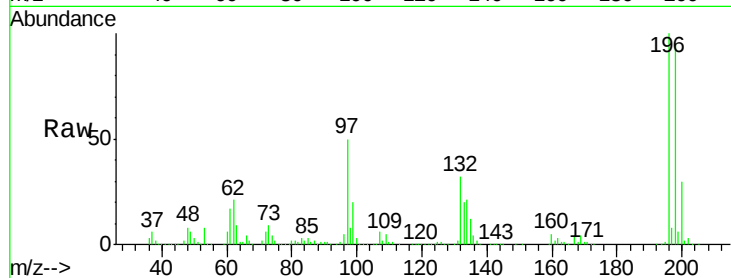




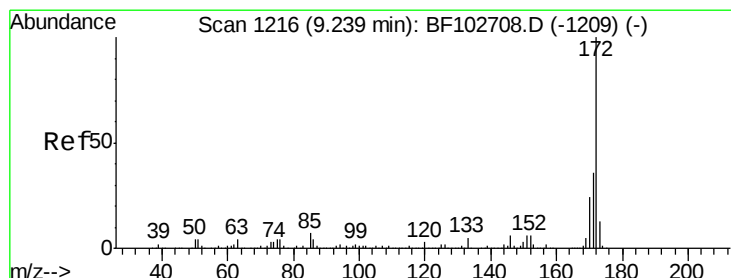
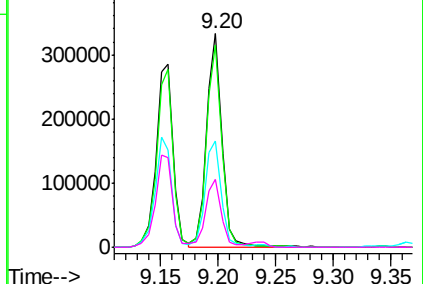
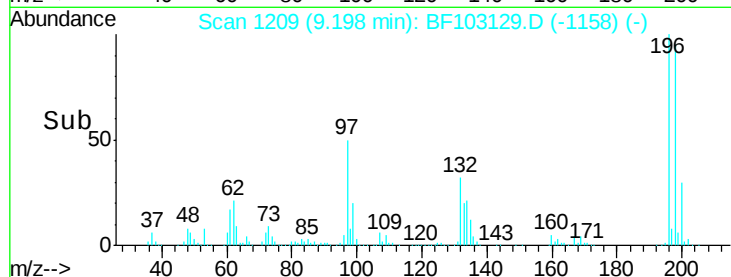
#43  
2,4,5-Trichlorophenol  
Concen: 39.242 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 307024  
Ion Ratio Lower Upper  
196 100  
198 95.0 74.6 112.0  
97 49.7 42.9 64.3  
132 32.0 26.3 39.5

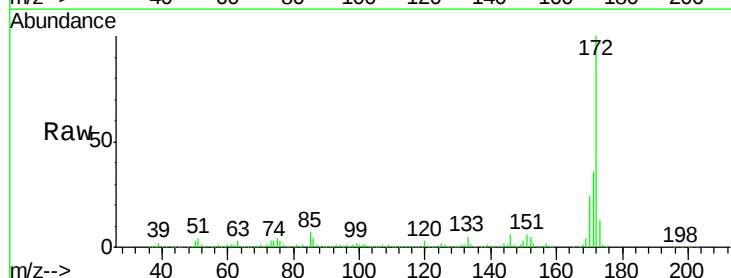


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BF1  
Ion 132.00 (131.70 to 132.70): E

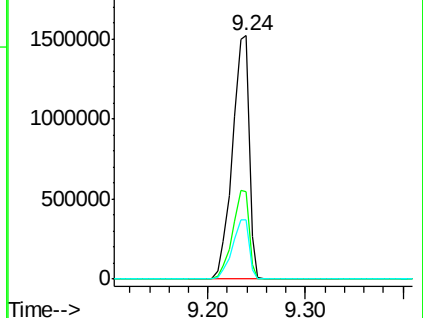
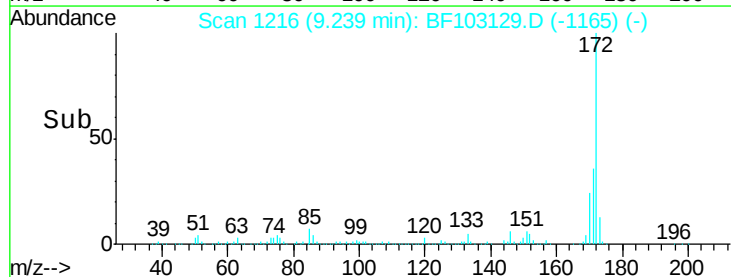


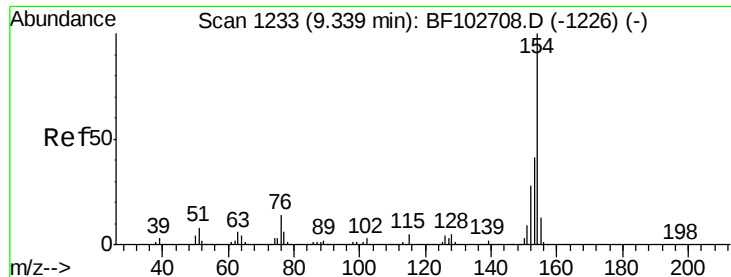
#44  
2-Fluorobiphenyl  
Concen: 77.582 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:172 Resp: 1814705  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.7 44.5  
170 24.4 19.6 29.4



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

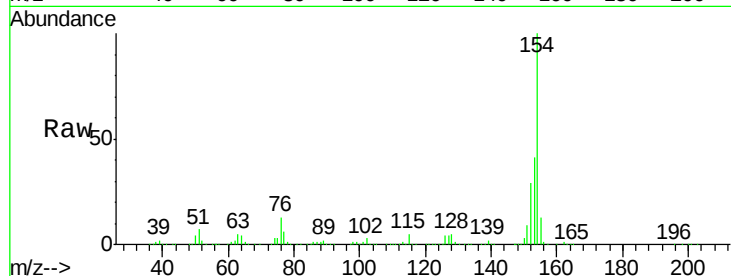




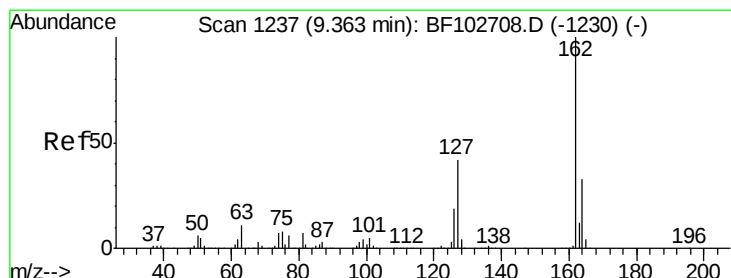
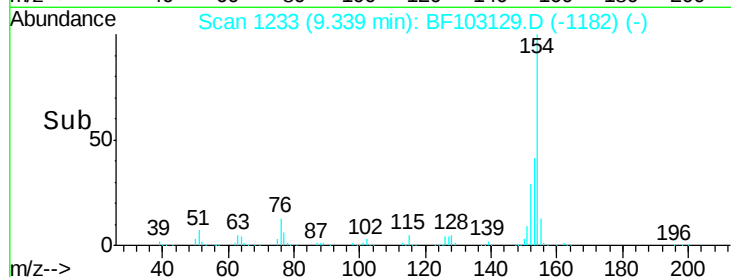
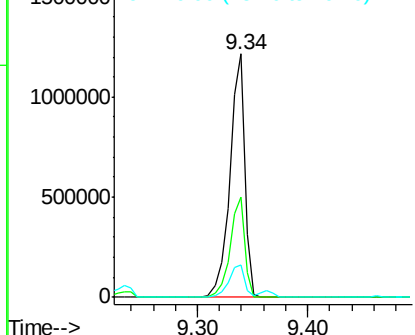
#45  
 1,1'-Biphenyl  
 Concen: 35.042 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 1145595  
 Ion Ratio Lower Upper  
 154 100  
 153 41.2 21.3 61.3  
 76 13.2 0.0 34.0

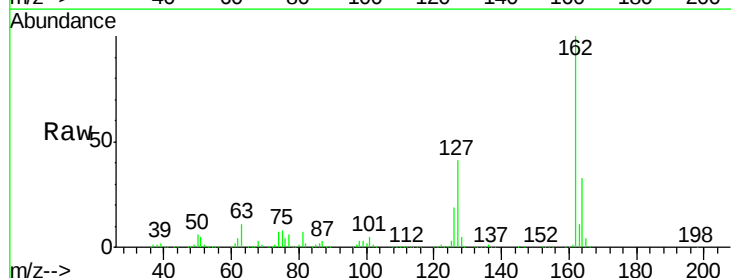


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

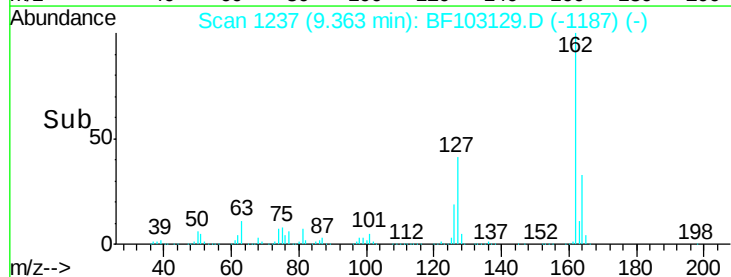
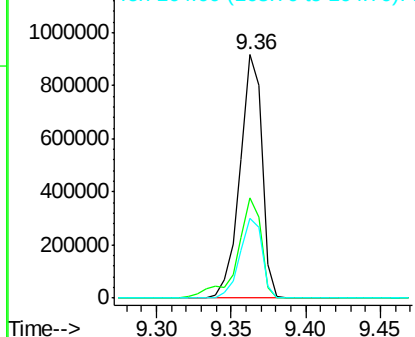


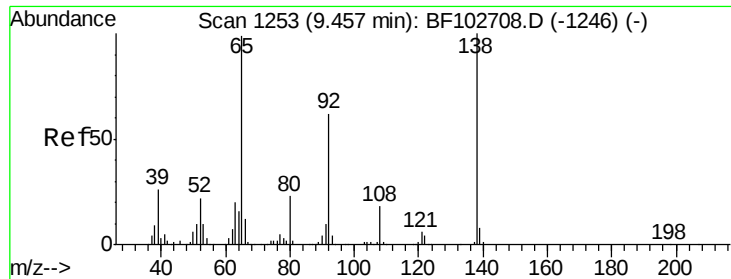
#46  
 2-Chloronaphthalene  
 Concen: 36.556 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:162 Resp: 940847  
 Ion Ratio Lower Upper  
 162 100  
 127 40.9 33.9 50.9  
 164 32.8 26.5 39.7



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

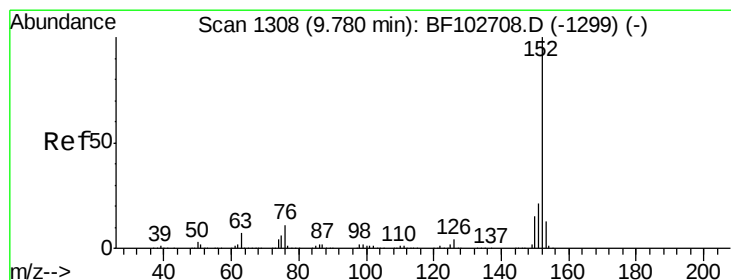
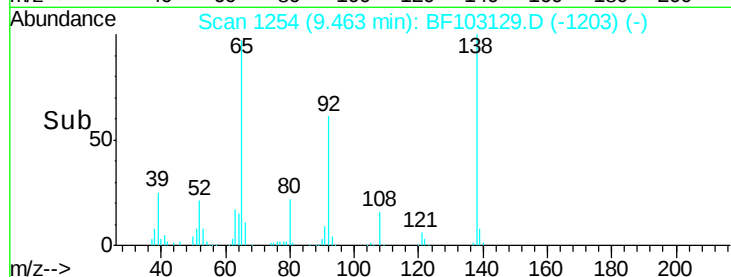
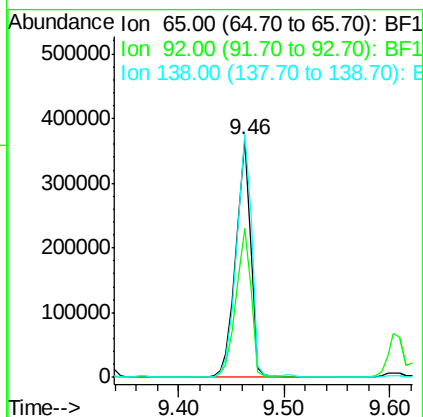
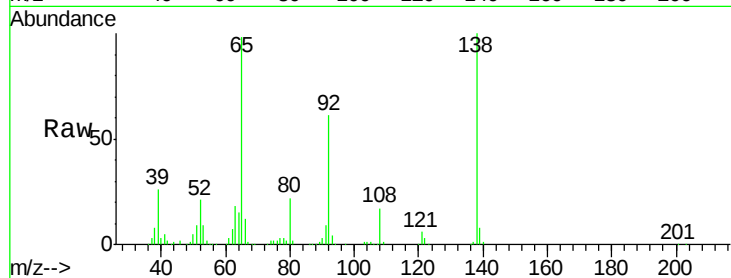




#47  
2-Nitroaniline  
Concen: 44.858 ng  
RT: 9.46 min Scan# 1254  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

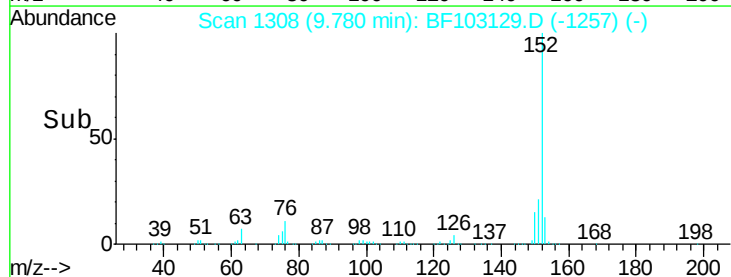
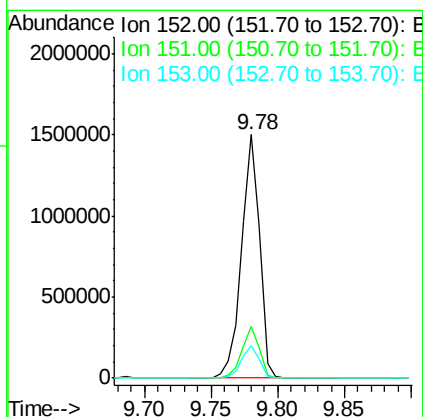
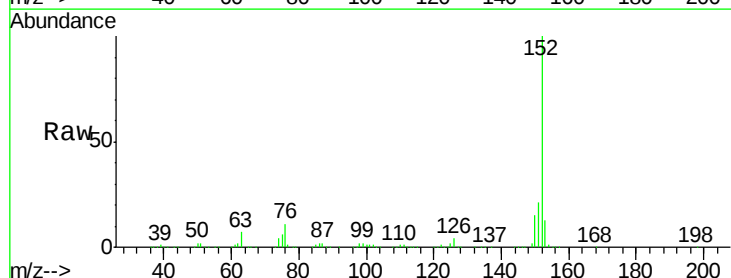
Instrument :  
BNA\_F  
ClientSampled :

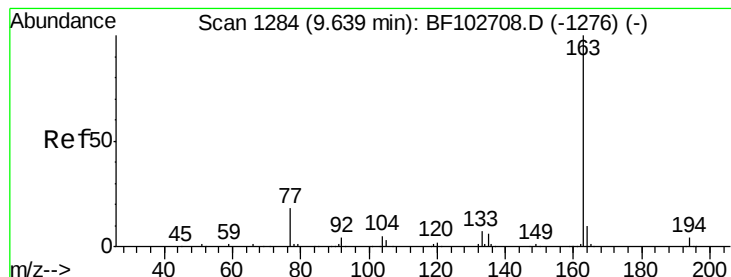
Tot Ion: 65 Resp: 354311  
Ion Ratio Lower Upper  
65 100  
92 62.4 55.8 83.6  
138 102.4 91.2 136.8



#48  
Acenaphthylene  
Concen: 35.241 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion: 152 Resp: 1408749  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.3 24.5  
153 13.3 10.7 16.1





#49

Dimethylphthalate

Concen: 37.572 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

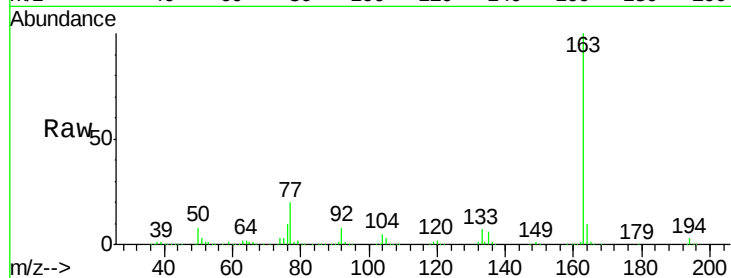
Tot Ion:163 Resp: 1137069

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

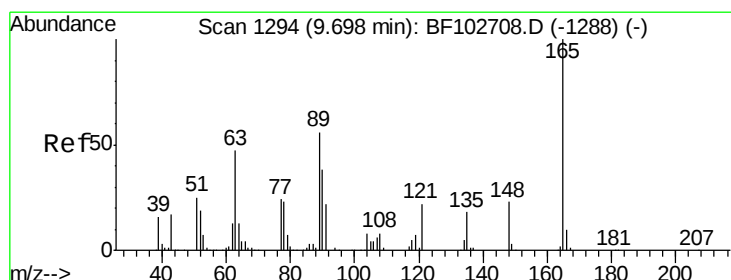
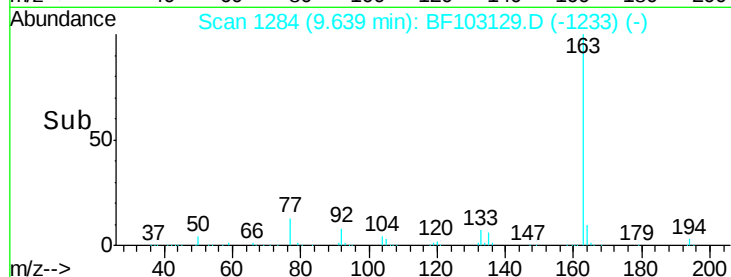
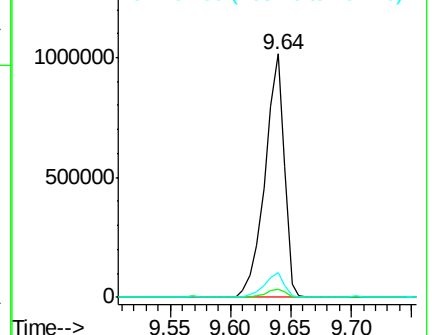
164 10.1 8.2 12.2



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: 43.756 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

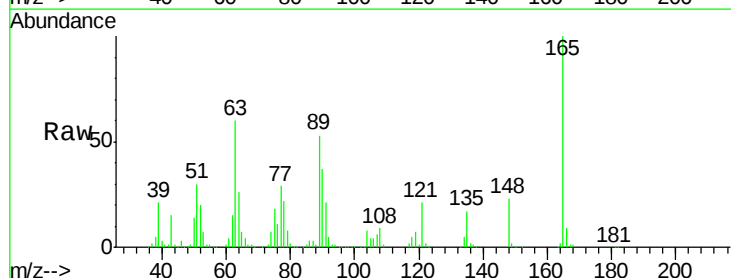
Tgt Ion:165 Resp: 251935

Ion Ratio Lower Upper

165 100

63 60.2 44.7 67.1

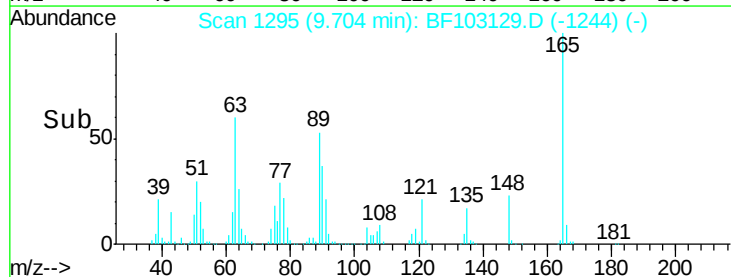
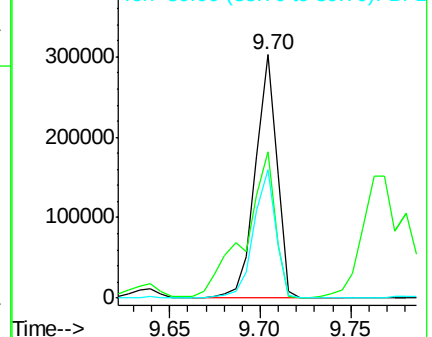
89 52.6 44.0 66.0

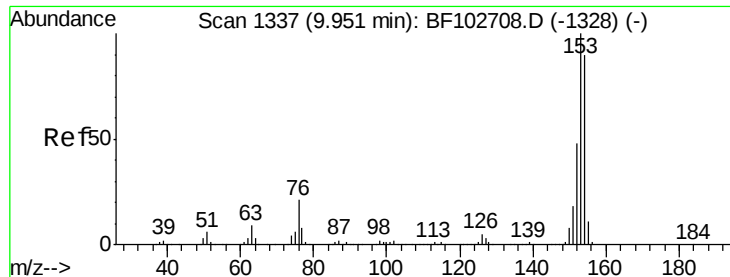


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 33.768 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

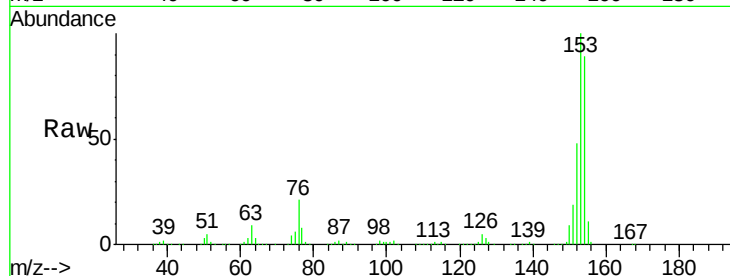
Tot Ion:154 Resp: 807248

Ion Ratio Lower Upper

154 100

153 111.9 91.2 136.8

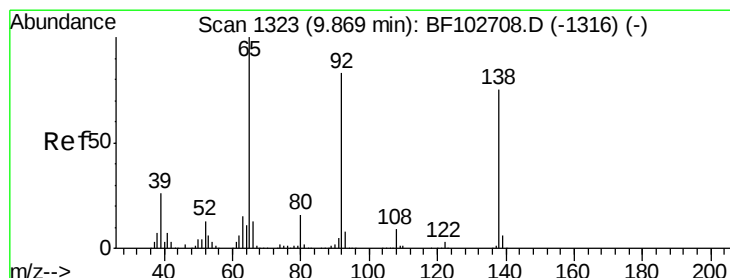
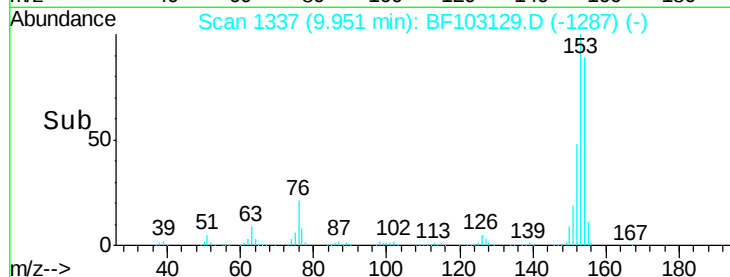
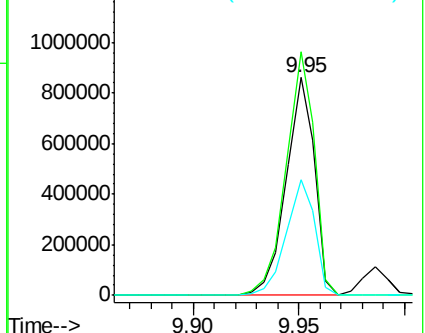
152 53.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 15.462 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

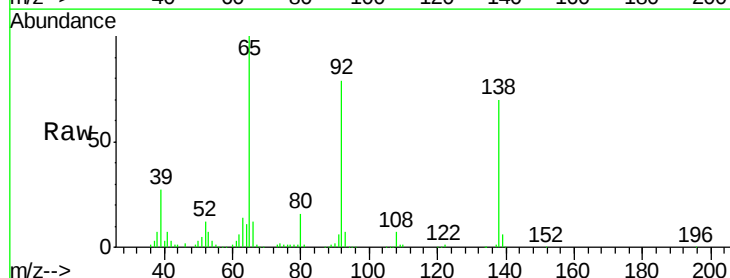
Tgt Ion:138 Resp: 109542

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

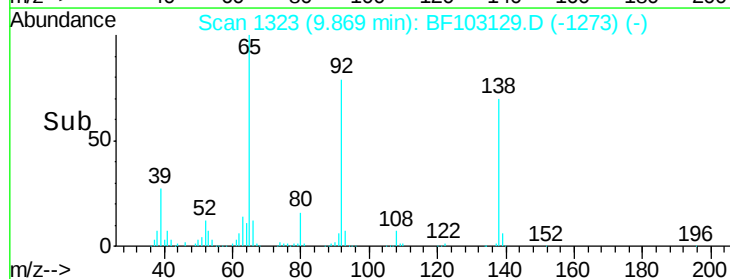
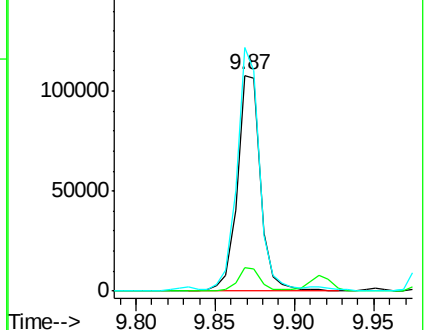
92 112.7 89.4 134.2

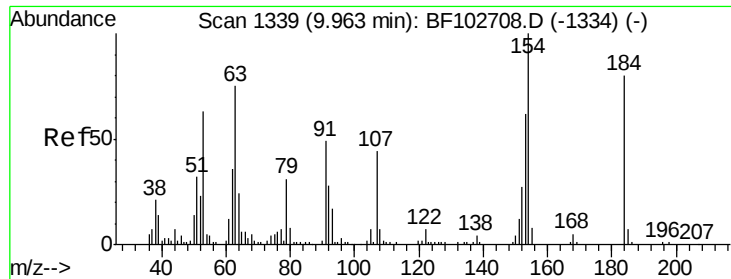


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

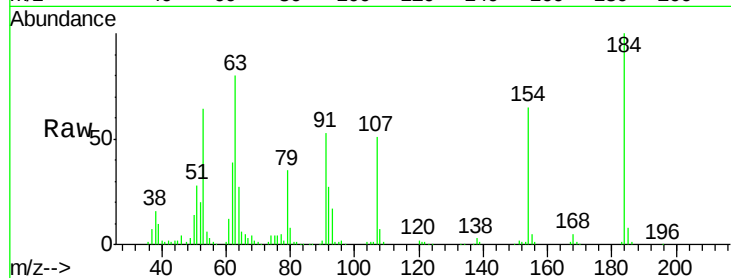




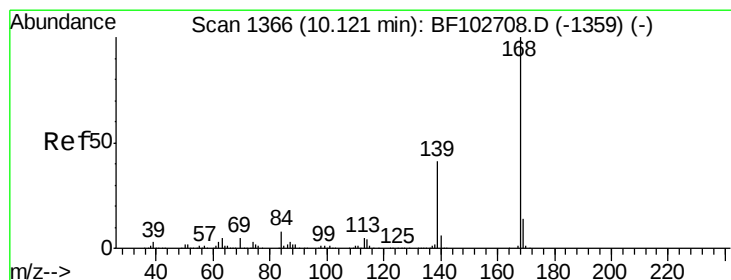
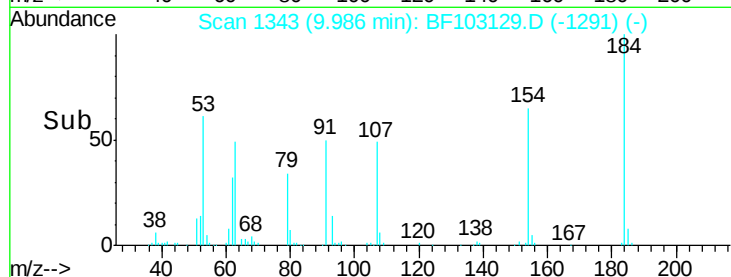
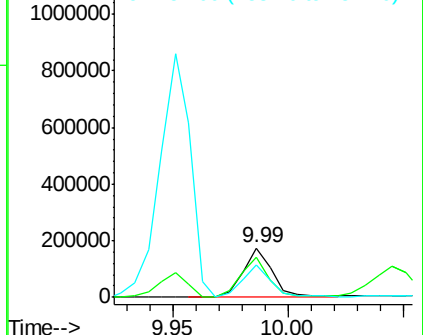
#53  
2,4-Dinitrophenol  
Concen: 80.245 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:184 Resp: 155750  
Ion Ratio Lower Upper  
184 100  
63 79.7 54.2 81.2  
154 64.9 184.0 276.0#

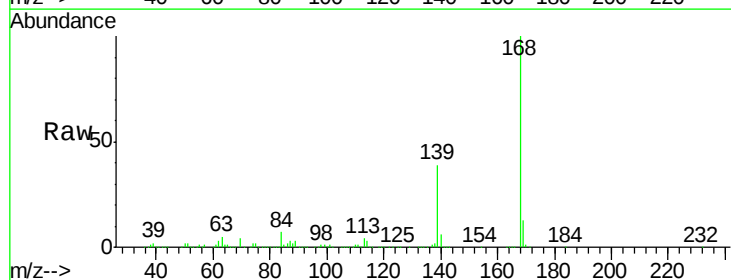


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

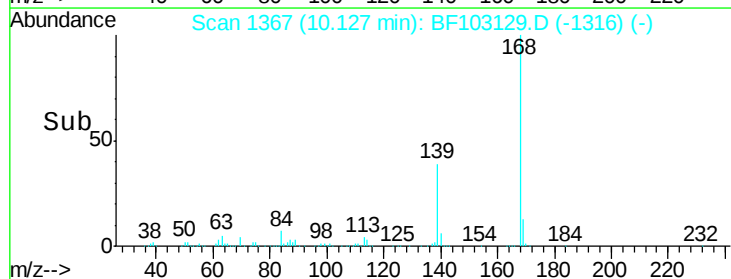
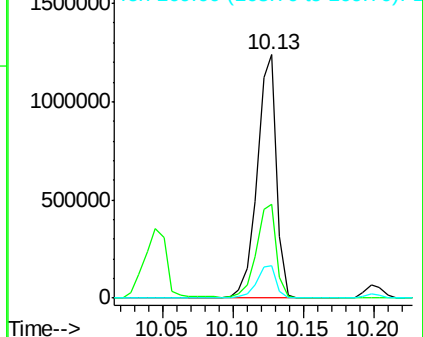


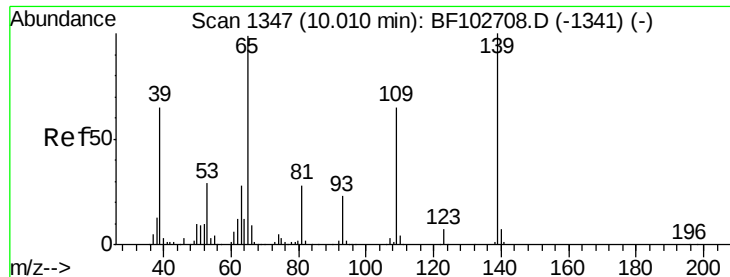
#54  
Dibenzofuran  
Concen: 35.642 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:168 Resp: 1200782  
Ion Ratio Lower Upper  
168 100  
139 38.8 30.1 45.1  
169 13.3 10.9 16.3



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

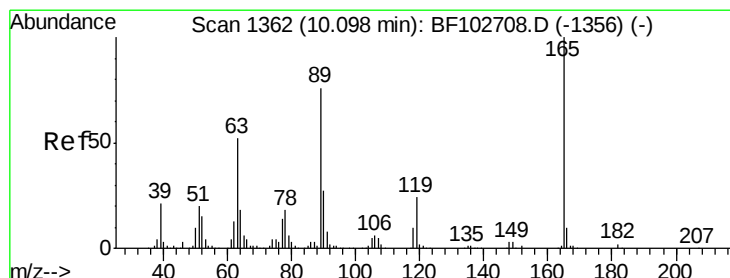
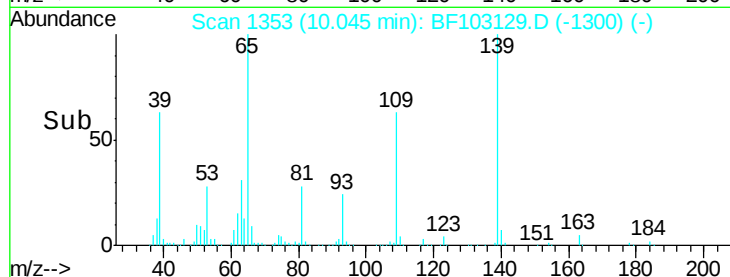
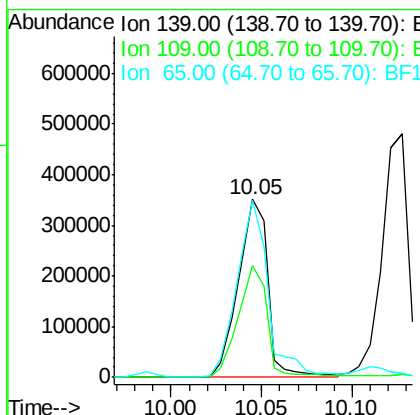
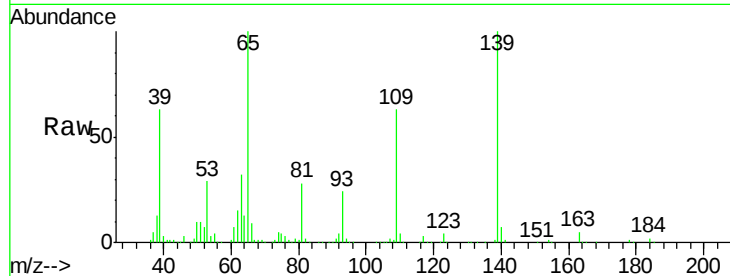




#55  
4-Nitrophenol  
Concen: 69.030 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

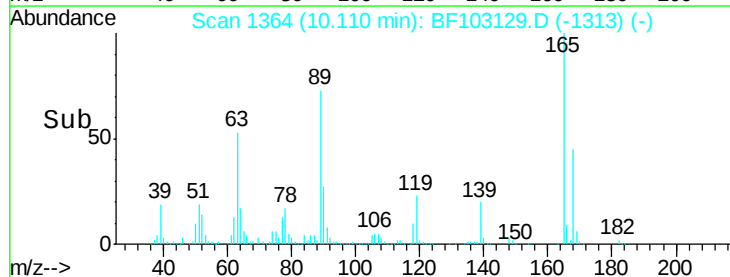
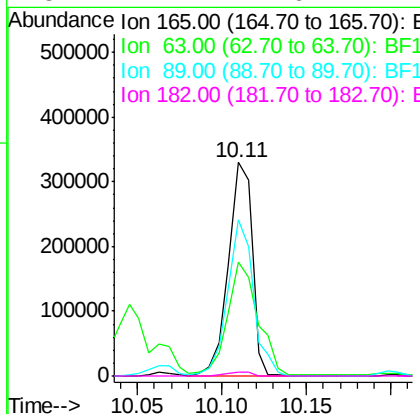
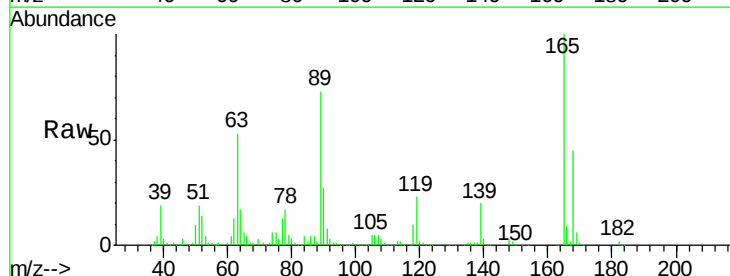
Instrument :  
BNA\_F  
ClientSampleId :

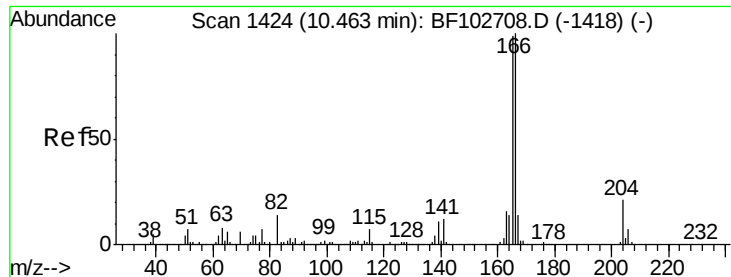
Tot Ion:139 Resp: 398512  
Ion Ratio Lower Upper  
139 100  
109 62.5 48.4 88.4  
65 99.7 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 42.122 ng  
RT: 10.11 min Scan# 1364  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:165 Resp: 322157  
Ion Ratio Lower Upper  
165 100  
63 53.1 36.4 54.6  
89 73.2 57.8 86.6  
182 2.1 1.6 2.4

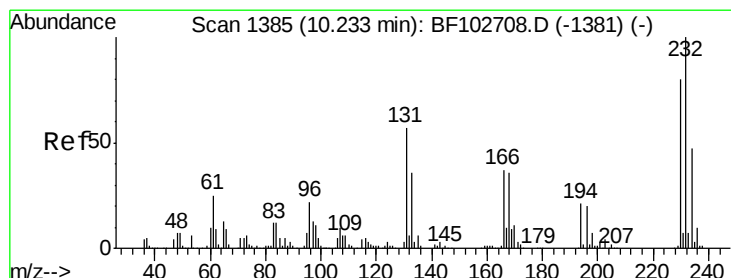
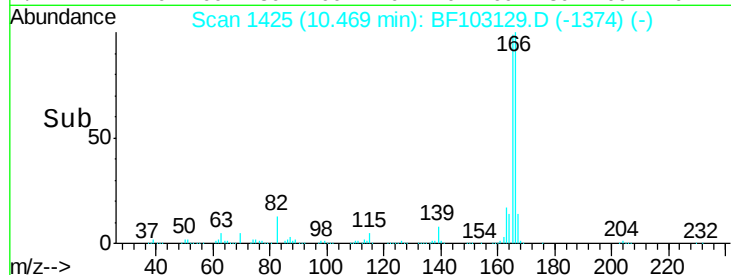
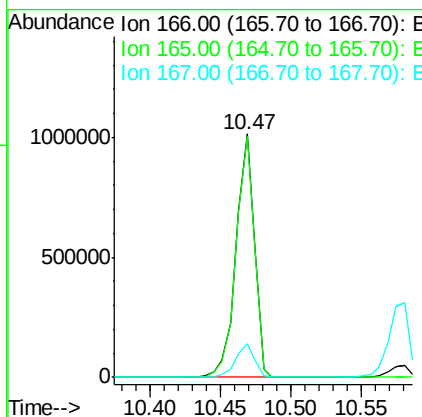
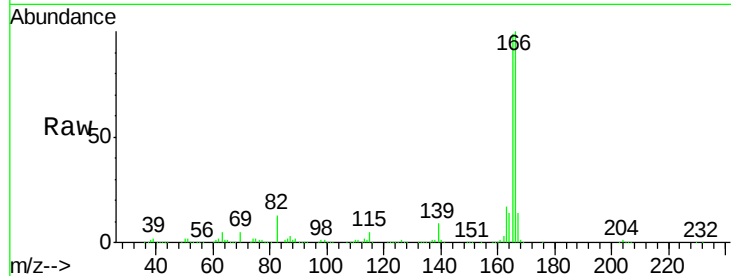




#57  
**Fluorene**  
 Concen: 37.552 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

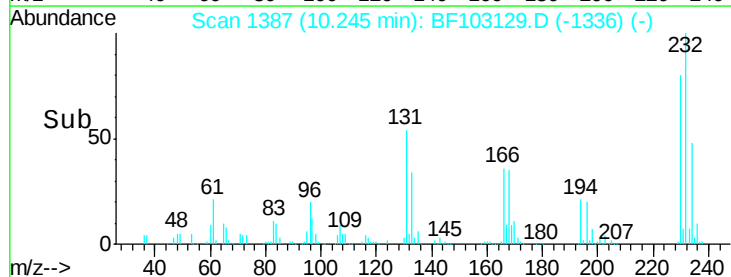
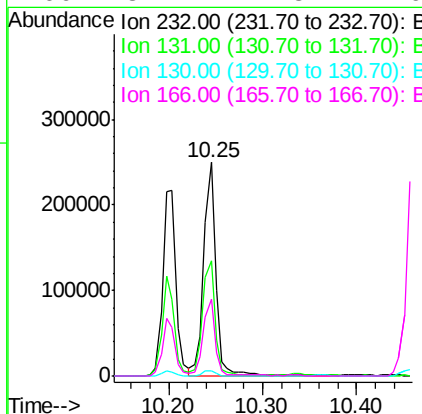
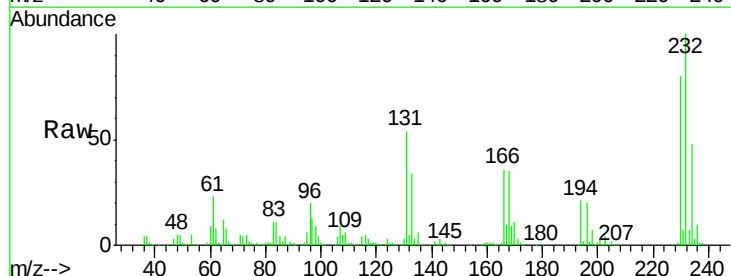
Instrument :  
 BNA\_F  
 ClientSampleId :

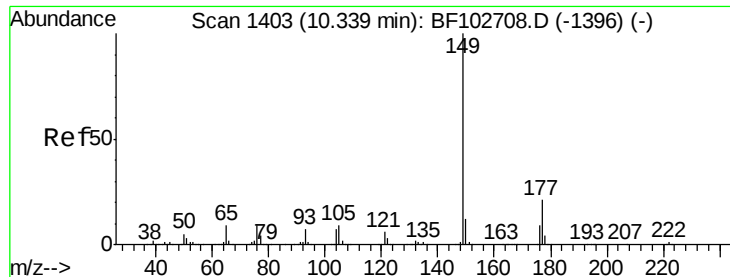
Tot Ion:166 Resp: 920466  
 Ion Ratio Lower Upper  
 166 100  
 165 98.9 79.8 119.8  
 167 13.7 10.6 16.0



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 41.716 ng  
 RT: 10.25 min Scan# 1387  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:232 Resp: 226210  
 Ion Ratio Lower Upper  
 232 100  
 131 55.2 43.8 65.8  
 130 2.7 2.1 3.1  
 166 34.7 27.8 41.6

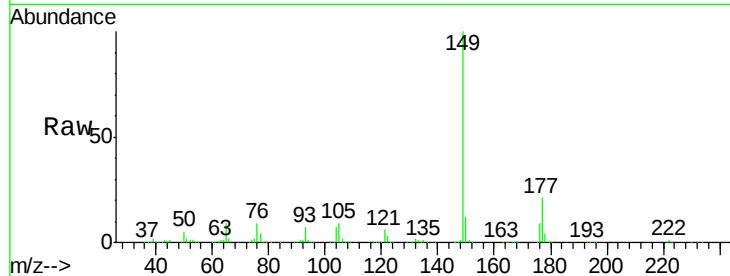




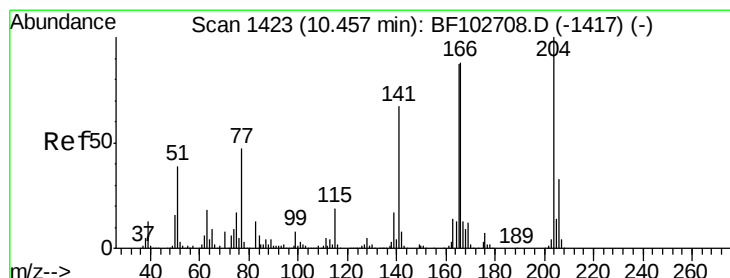
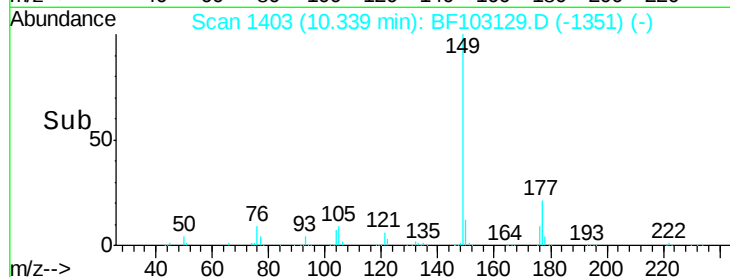
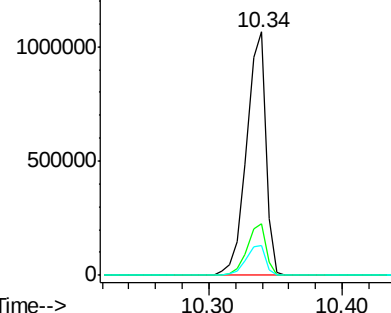
#59  
Diethylphthalate  
Concen: 35.253 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 1053455  
Ion Ratio Lower Upper  
149 100  
177 21.4 16.1 24.1  
150 12.2 10.1 15.1

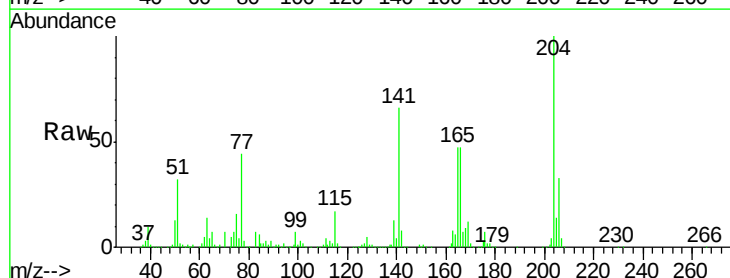


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

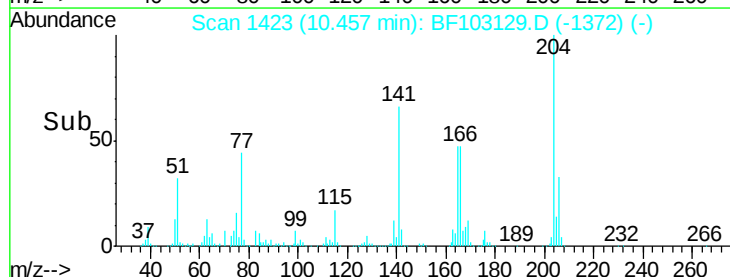
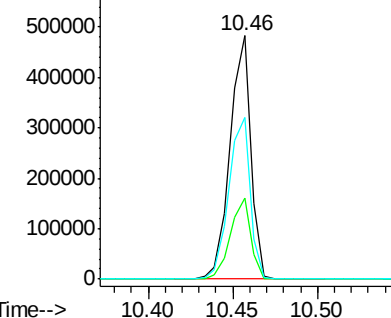


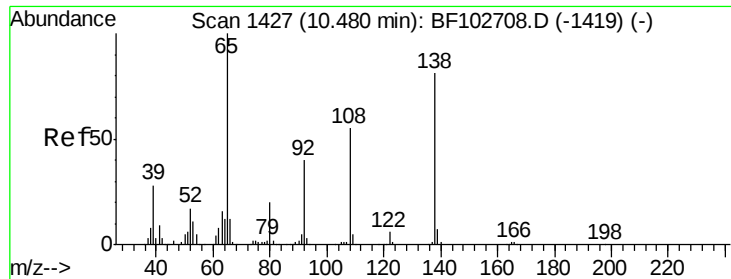
#60  
4-Chlorophenyl-phenylether  
Concen: 38.409 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:204 Resp: 416485  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 66.2 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

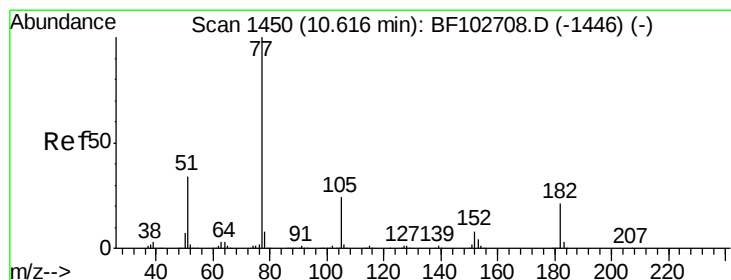
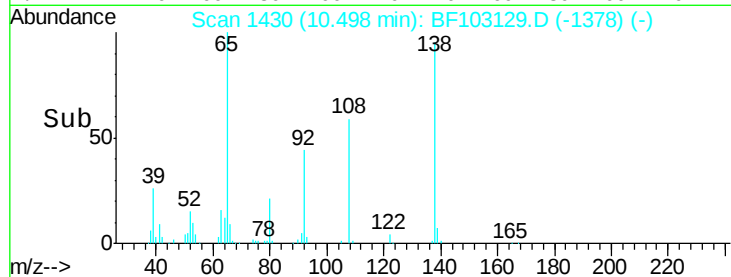
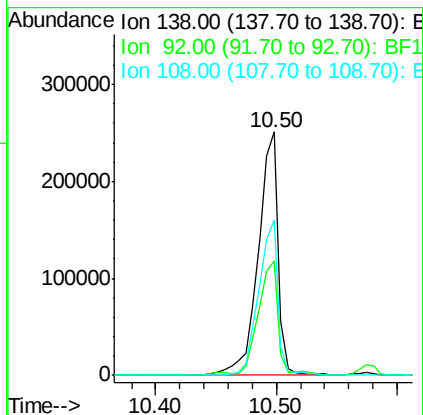
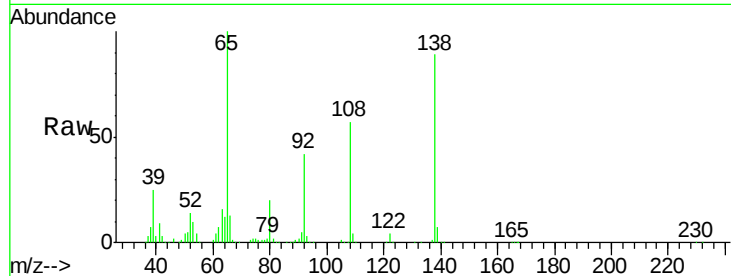




#61  
4-Nitroaniline  
Concen: 43.041 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

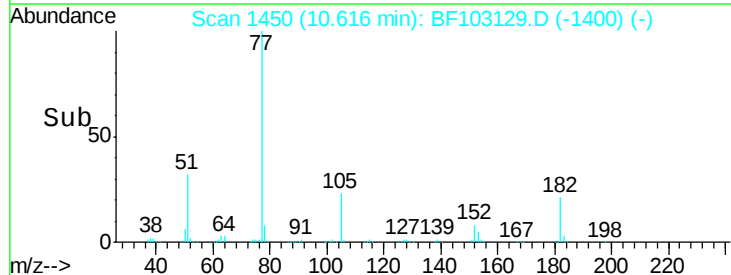
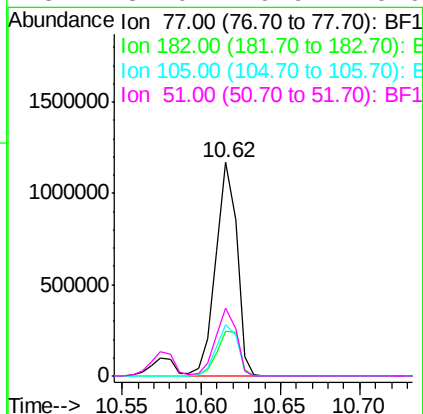
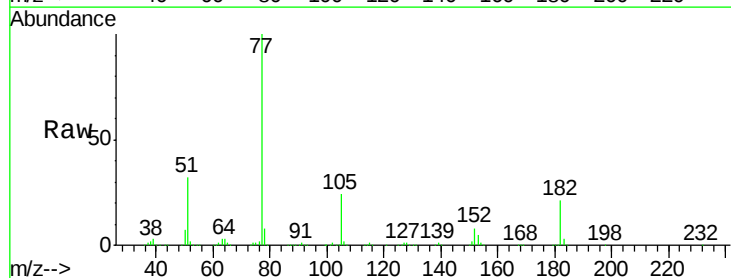
Instrument :  
BNA\_F  
ClientSampleId :

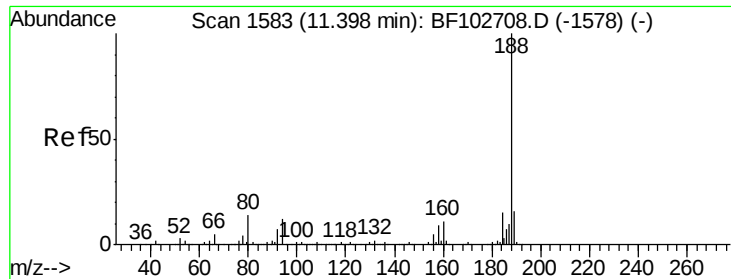
Tot Ion:138 Resp: 290248  
Ion Ratio Lower Upper  
138 100  
92 46.9 30.2 70.2  
108 64.0 52.5 92.5



#62  
Azobenzene  
Concen: 36.389 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion: 77 Resp: 1086327  
Ion Ratio Lower Upper  
77 100  
182 20.9 1.7 41.7  
105 23.9 3.0 43.0  
51 32.0 9.9 49.9

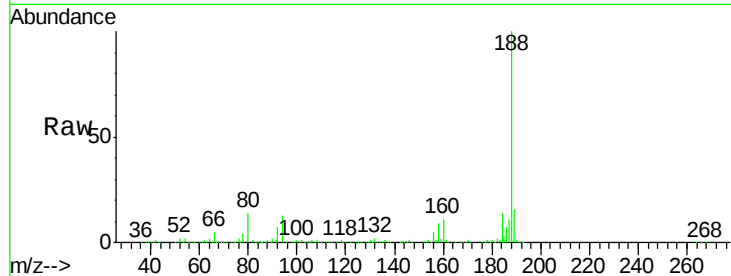




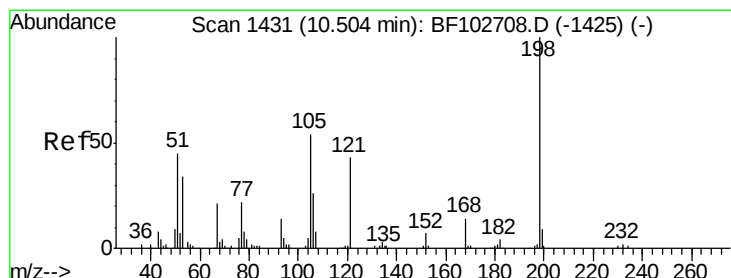
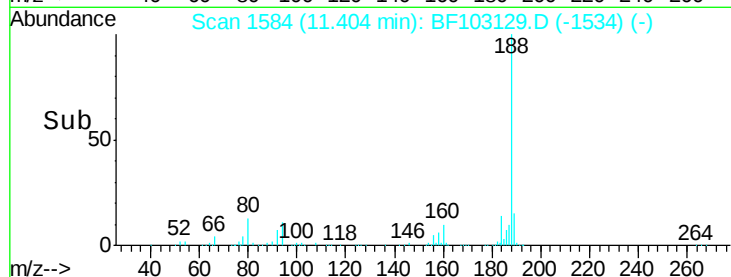
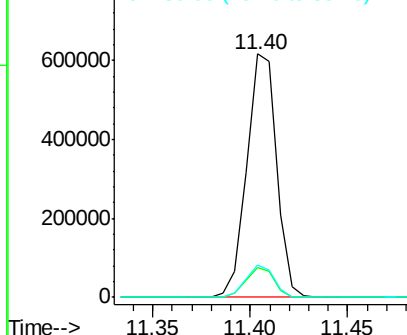
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 651475  
Ion Ratio Lower Upper  
188 100  
94 12.5 8.5 12.7  
80 13.5 9.2 13.8

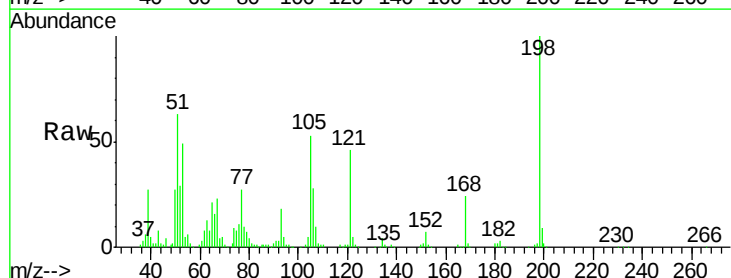


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

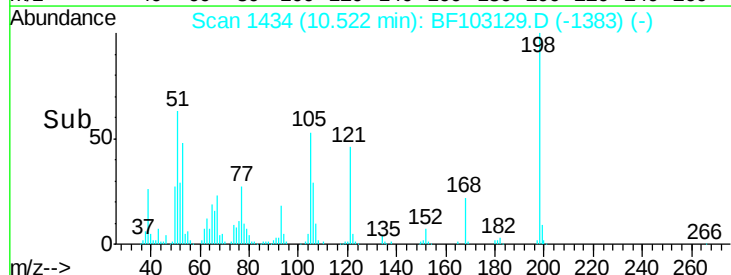
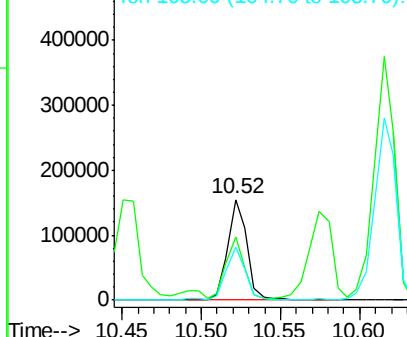


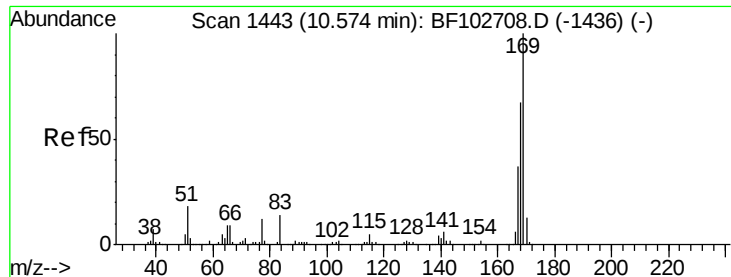
#64  
4,6-Dinitro-2-methylphenol  
Concen: 48.245 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:198 Resp: 131033  
Ion Ratio Lower Upper  
198 100  
51 62.8 37.7 77.7  
105 53.0 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 36.573 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

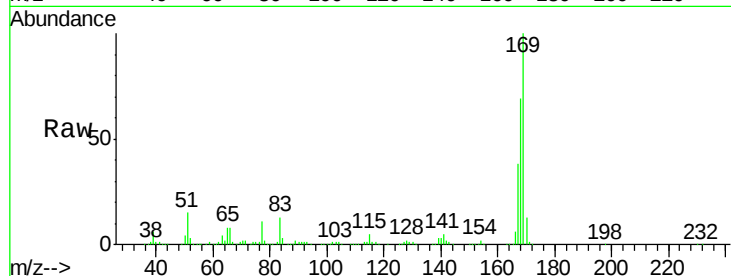
Tot Ion:169 Resp: 840424

Ion Ratio Lower Upper

169 100

168 69.4 54.4 81.6

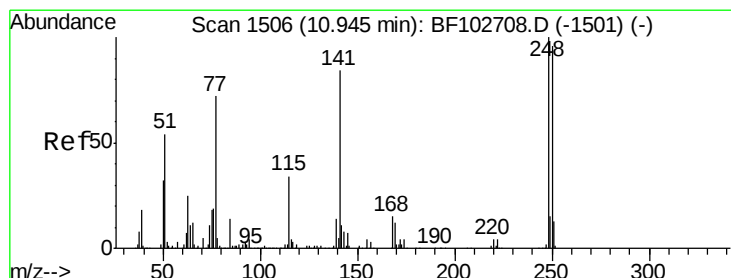
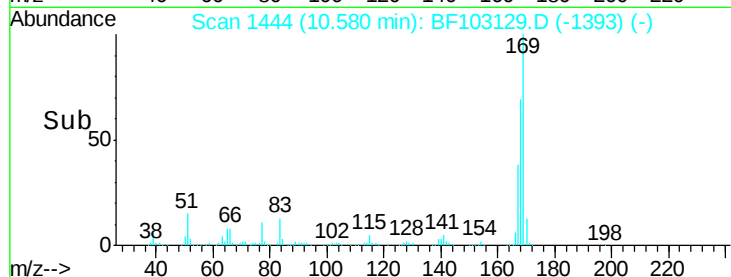
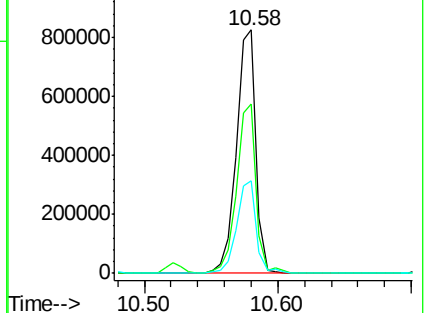
167 37.9 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.067 ng

RT: 10.95 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

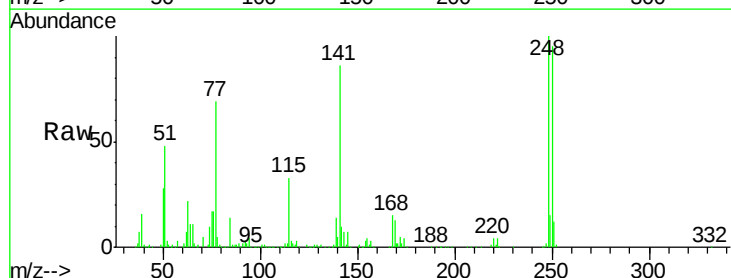
Tgt Ion:248 Resp: 262338

Ion Ratio Lower Upper

248 100

250 95.4 76.9 115.3

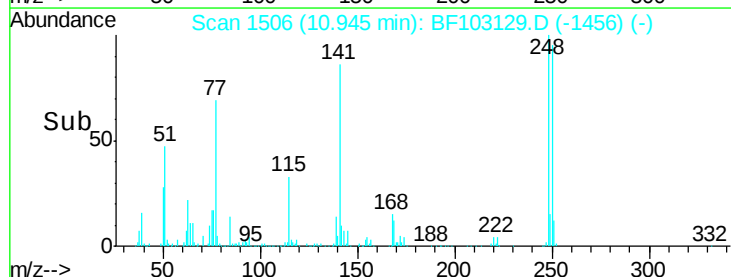
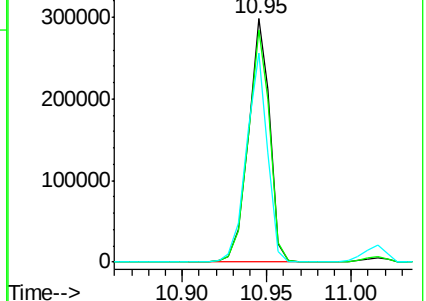
141 85.9 74.4 111.6

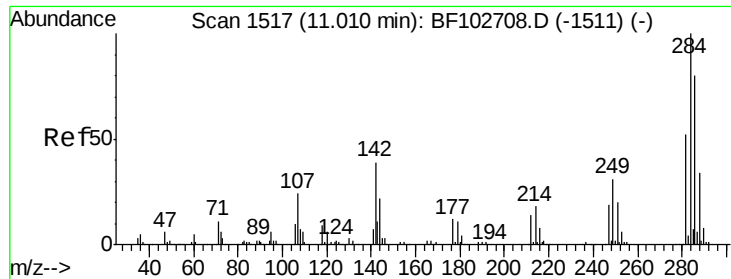


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

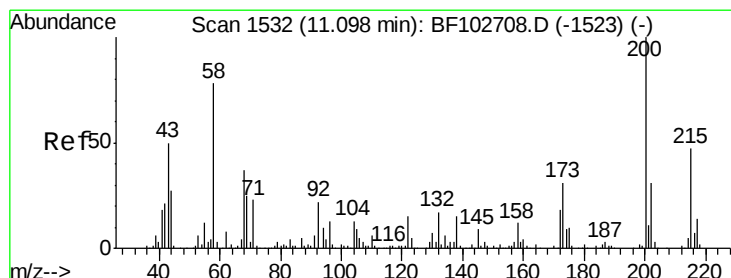
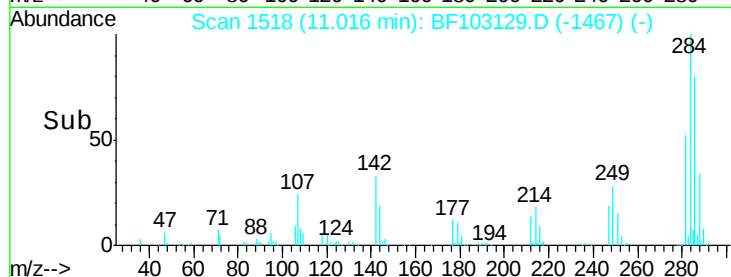
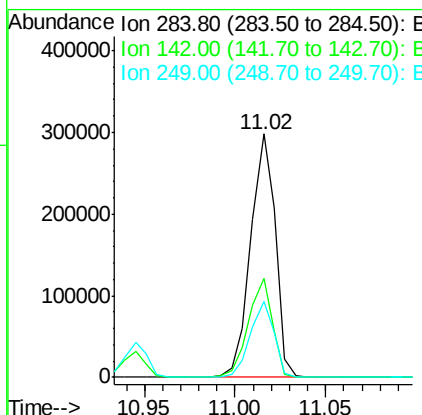
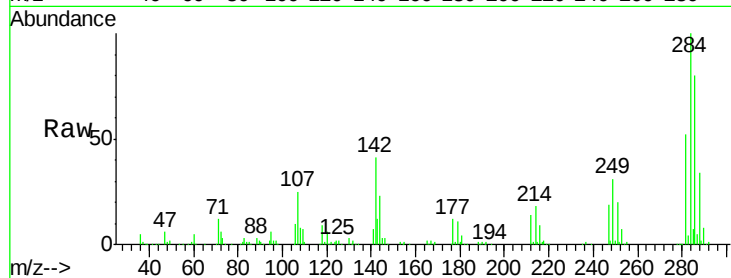




#67  
Hexachlorobenzene  
Concen: 36.973 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

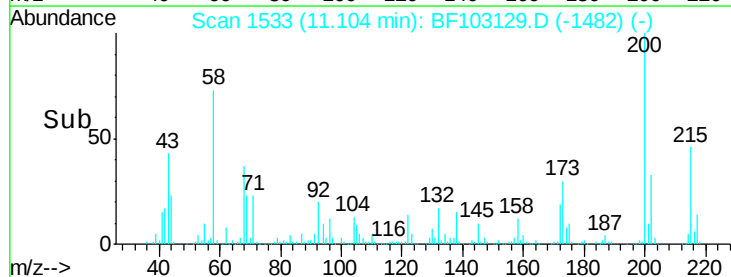
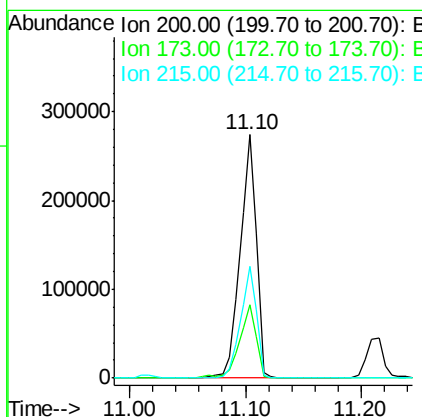
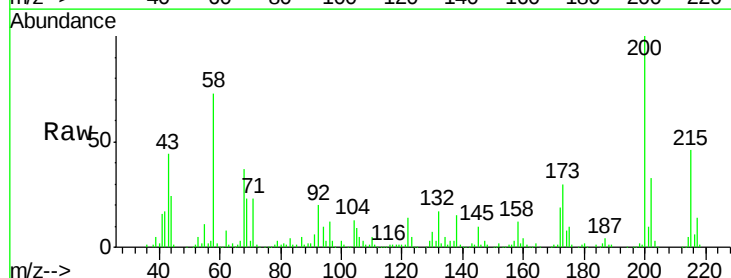
Instrument :  
BNA\_F  
ClientSampleId :

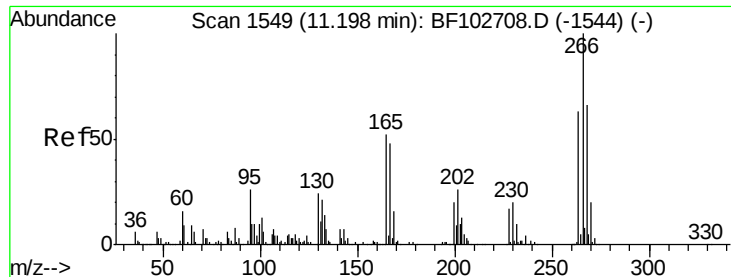
Tot Ion:284 Resp: 281087  
Ion Ratio Lower Upper  
284 100  
142 40.7 34.6 52.0  
249 31.0 24.8 37.2



#68  
Atrazine  
Concen: 39.473 ng  
RT: 11.10 min Scan# 1533  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:200 Resp: 267597  
Ion Ratio Lower Upper  
200 100  
173 29.9 8.6 48.6  
215 46.0 25.1 65.1

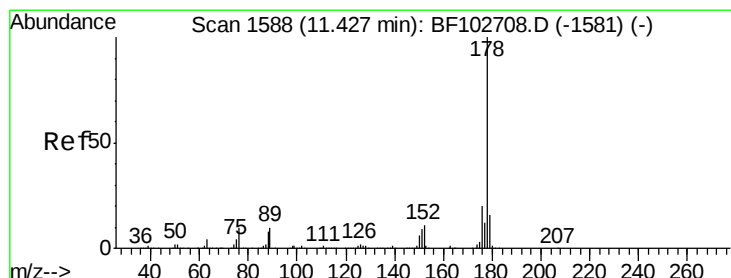
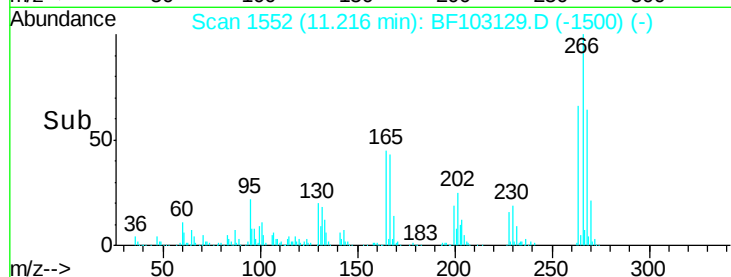
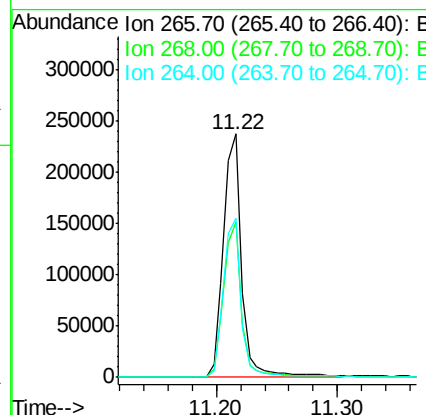
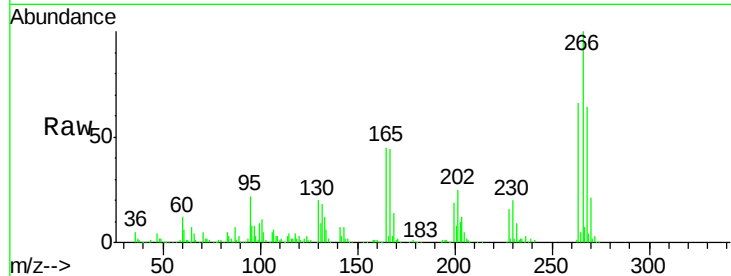




#69  
 Pentachlorophenol  
 Concen: 55.694 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.01 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

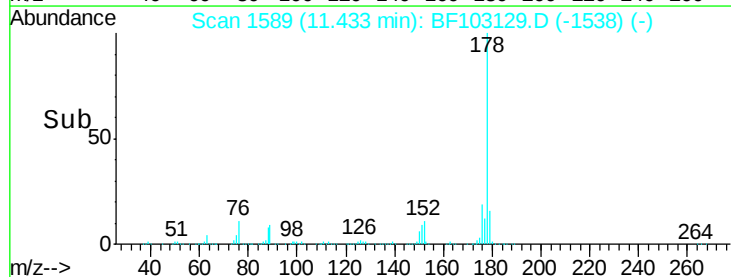
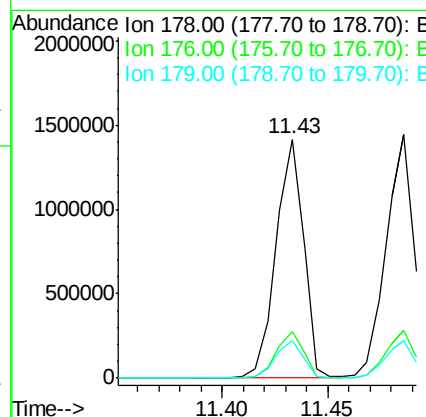
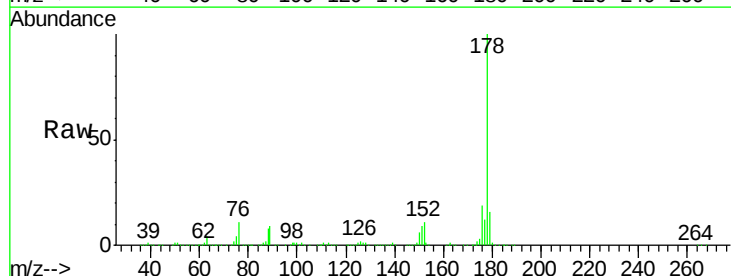
Instrument :  
 BNA\_F  
 ClientSampleId :

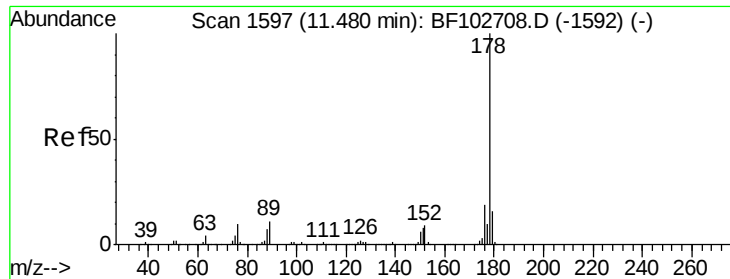
Tot Ion:266 Resp: 248552  
 Ion Ratio Lower Upper  
 266 100  
 268 63.8 51.1 76.7  
 264 65.6 49.5 74.3



#70  
 Phenanthrene  
 Concen: 35.458 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:178 Resp: 1286503  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.8 23.8  
 179 15.8 13.0 19.6

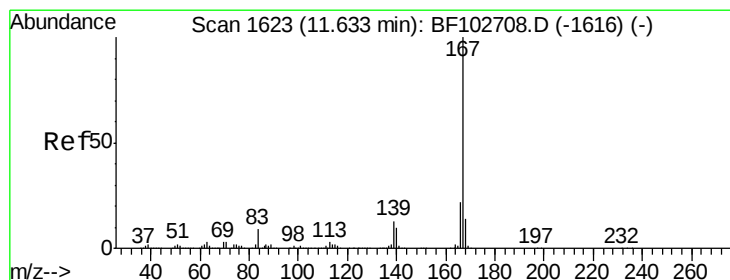
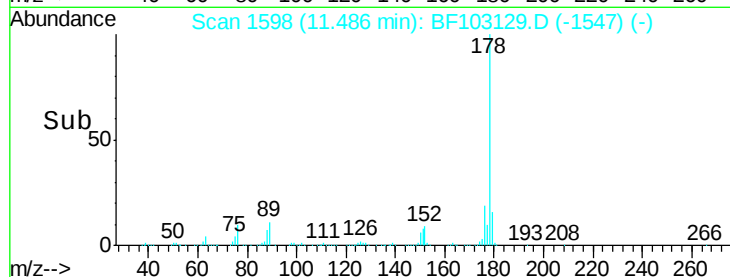
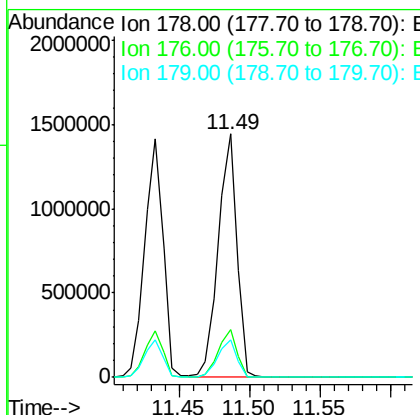
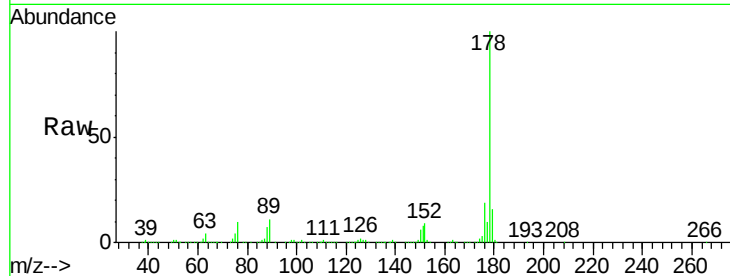




#71  
 Anthracene  
 Concen: 36.268 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

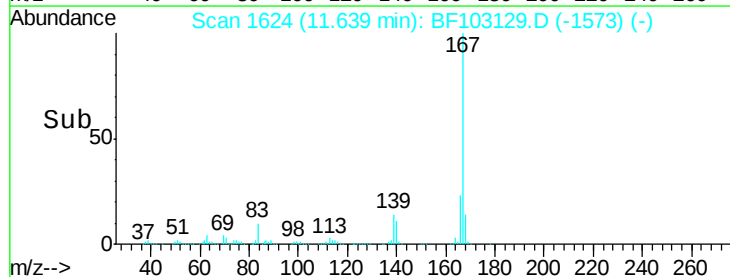
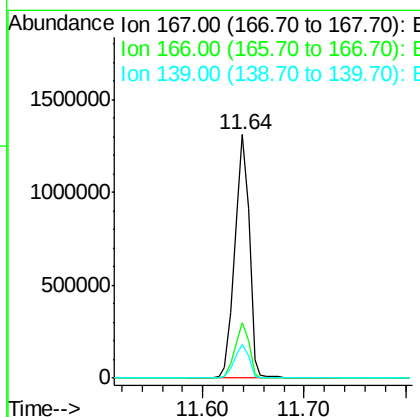
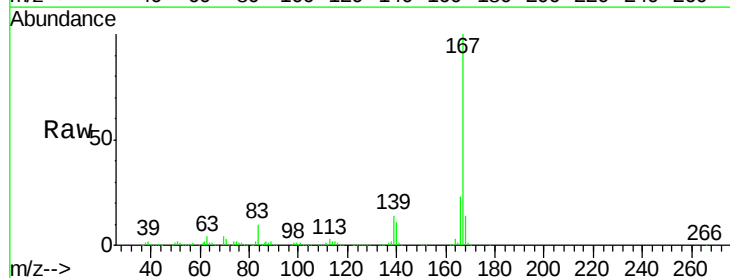
Instrument :  
 BNA\_F  
 ClientSampleId :

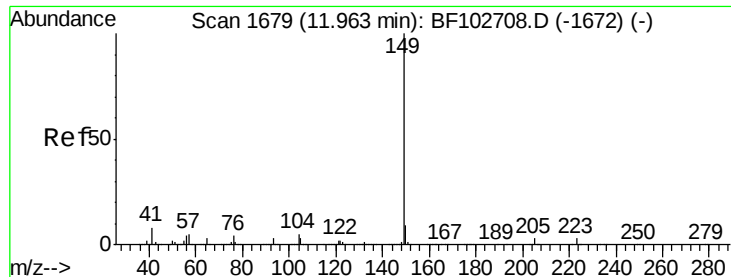
Tot Ion:178 Resp: 1338402  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.4 23.2  
 179 15.5 12.6 19.0



#72  
 Carbazole  
 Concen: 36.273 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:167 Resp: 1311406  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 17.6 26.4  
 139 14.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.228 ng

RT: 11.96 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

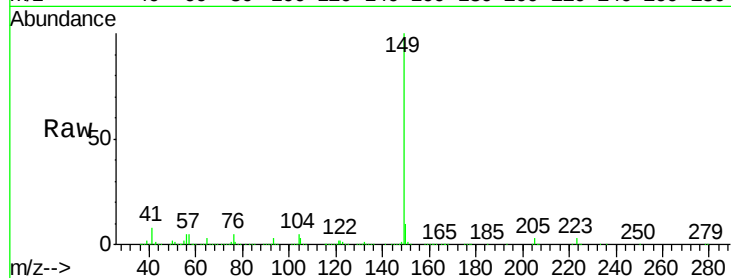
Tot Ion:149 Resp: 1634925

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

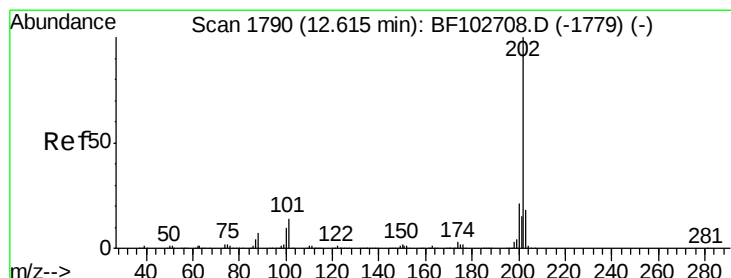
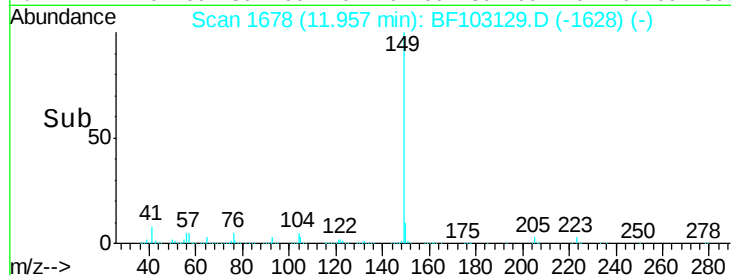
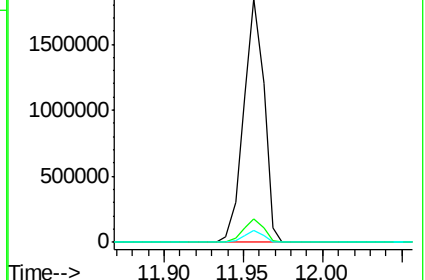
104 4.9 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.329 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

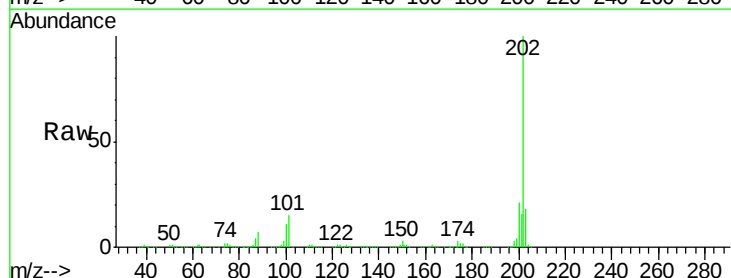
Tgt Ion:202 Resp: 1326190

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

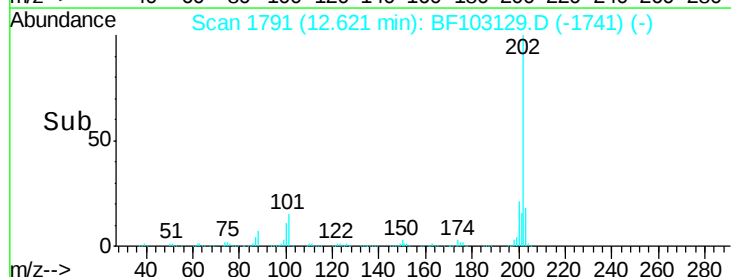
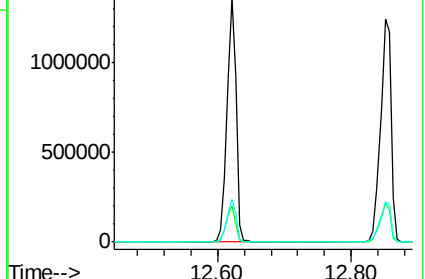
203 17.6 0.0 38.1

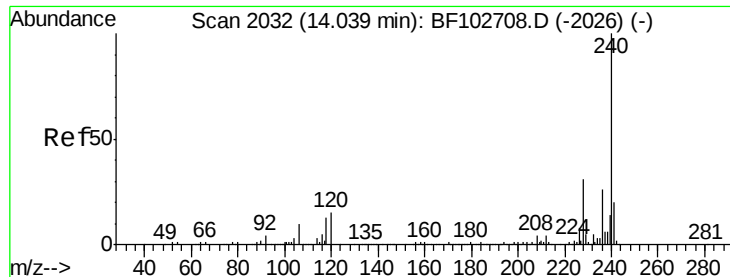


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

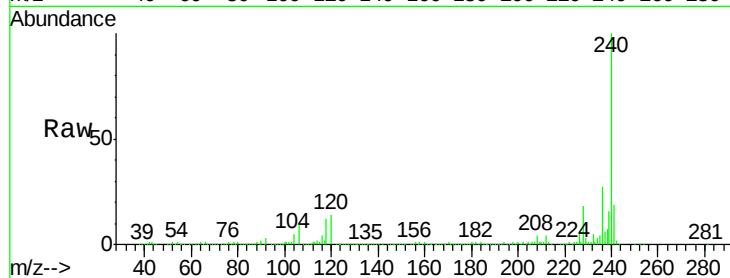
Tot Ion:240 Resp: 467728

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

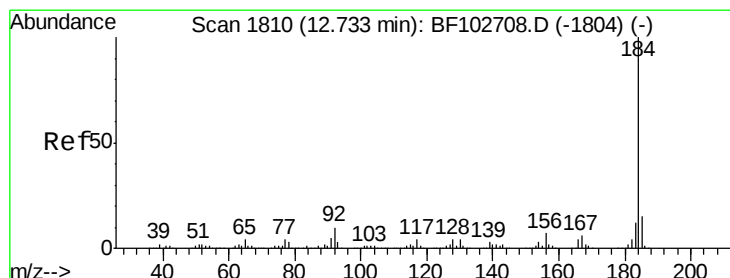
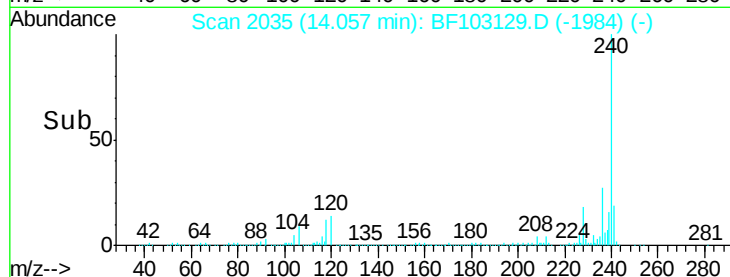
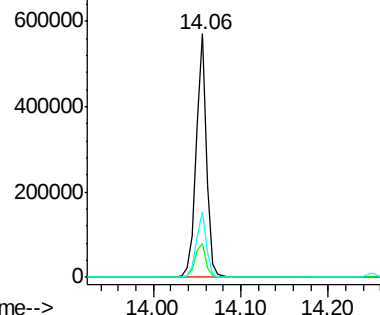
236 26.8 20.7 31.1



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: 29.972 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

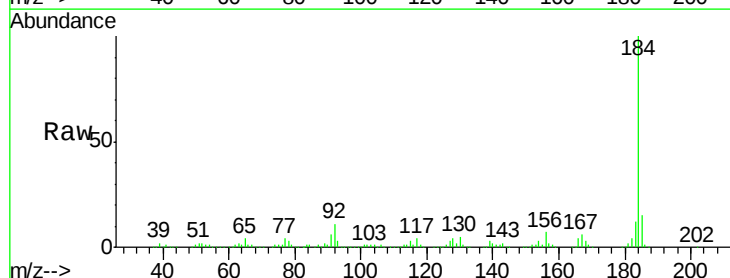
Tgt Ion:184 Resp: 644312

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

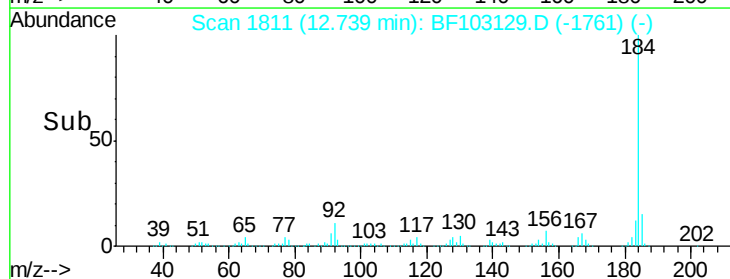
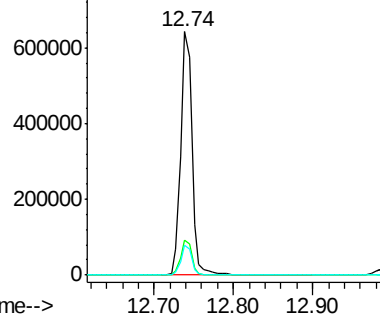
183 12.4 9.3 13.9

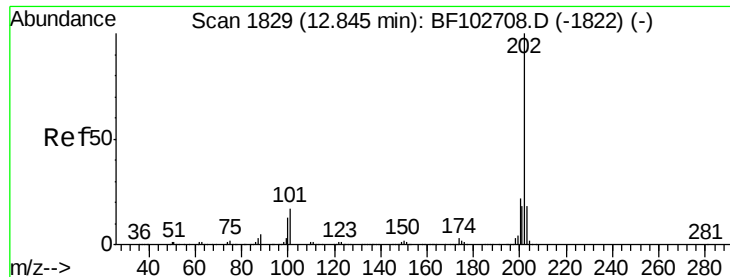


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.785 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

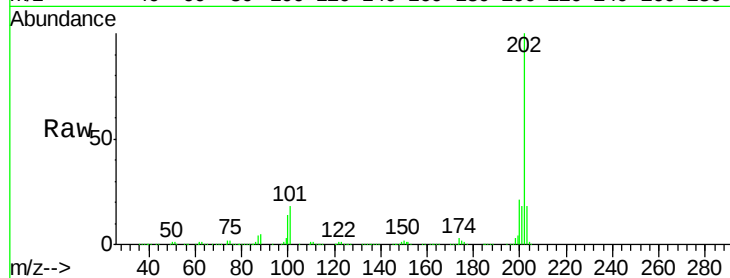
Tot Ion:202 Resp: 1349177

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

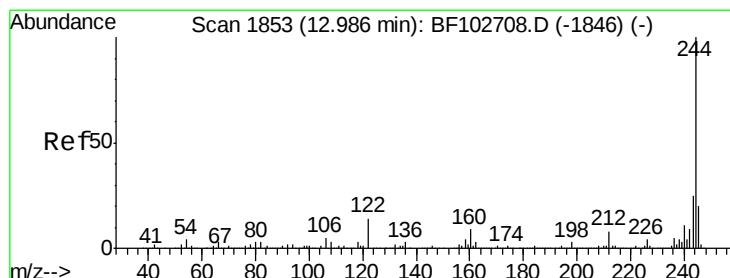
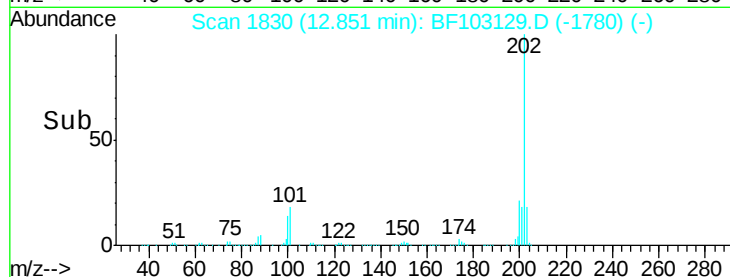
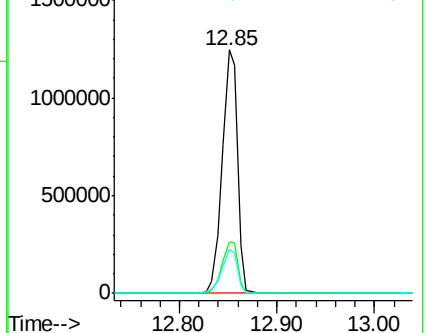
203 18.0 14.3 21.5



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: 80.638 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

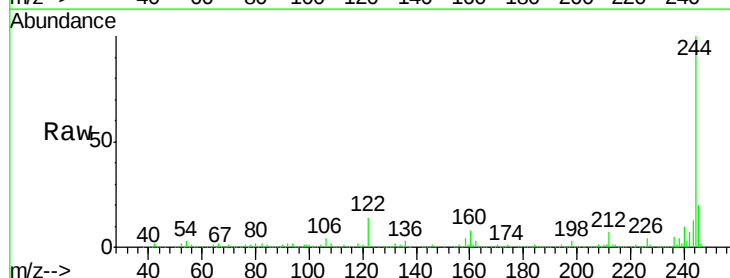
Tgt Ion:244 Resp: 1592915

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

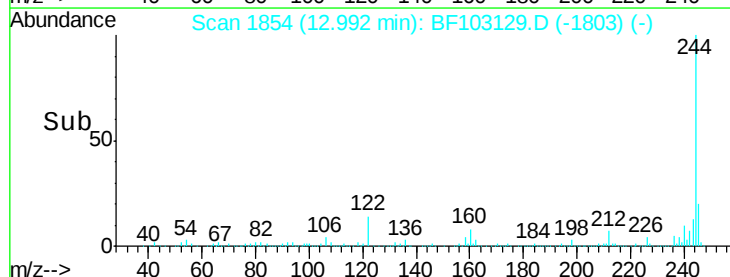
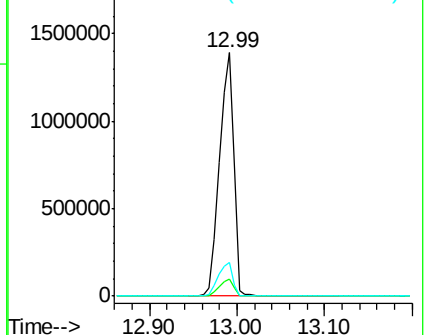
122 13.7 11.0 16.4

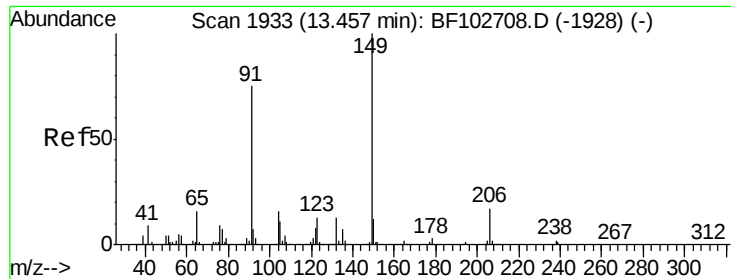


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

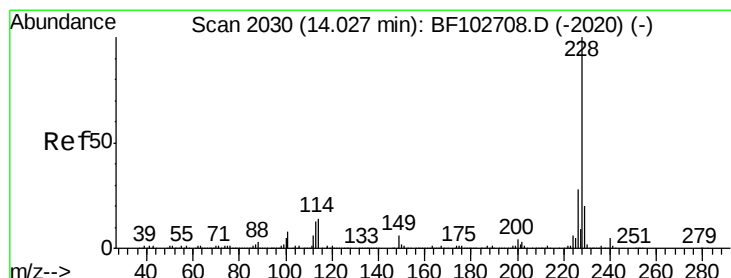
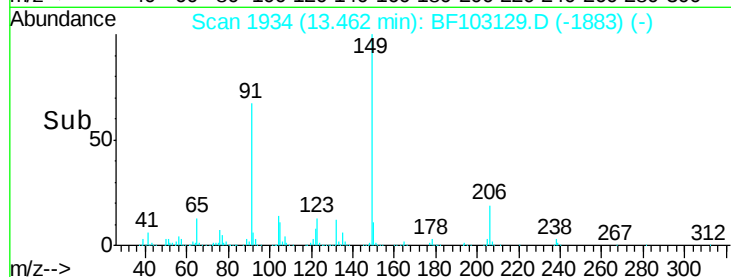
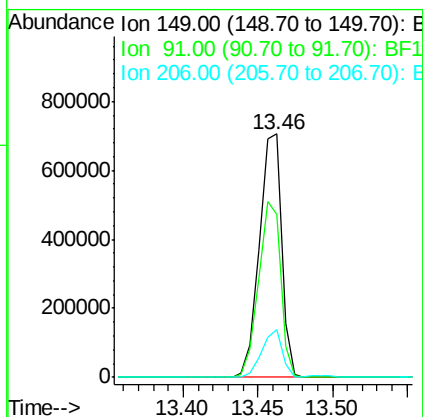
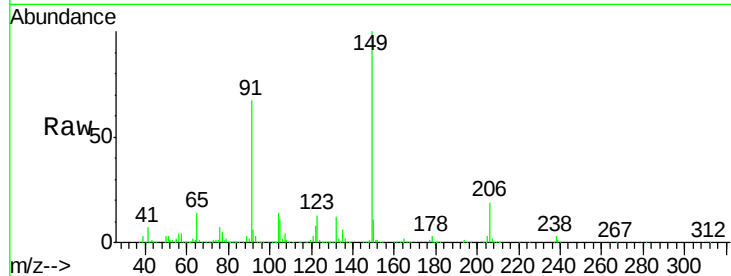




#79  
Butylbenzylphthalate  
Concen: 41.323 ng  
RT: 13.46 min Scan# 1934  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

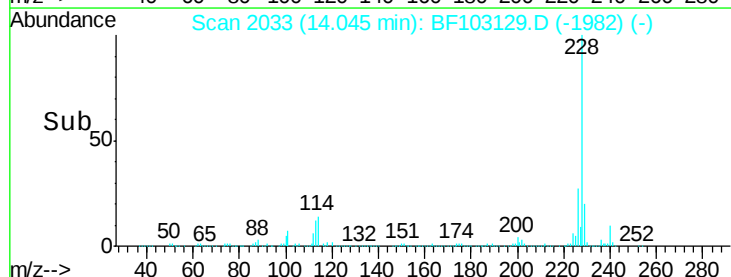
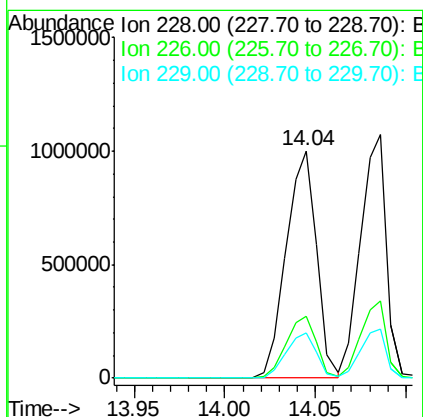
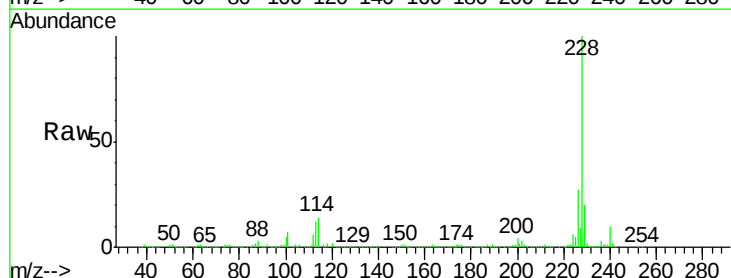
Instrument :  
BNA\_F  
ClientSampleId :

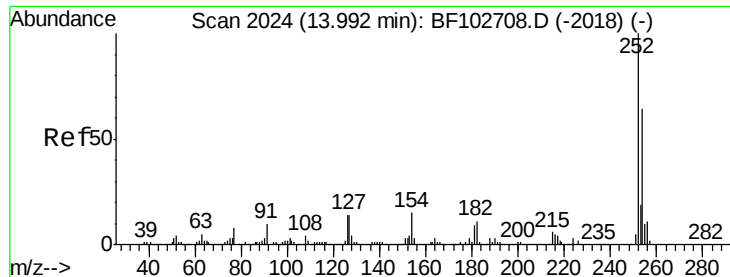
Tot Ion:149 Resp: 722423  
Ion Ratio Lower Upper  
149 100  
91 66.8 56.8 85.2  
206 19.4 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 39.919 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:228 Resp: 1174259  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.6 33.8  
229 20.0 15.8 23.6

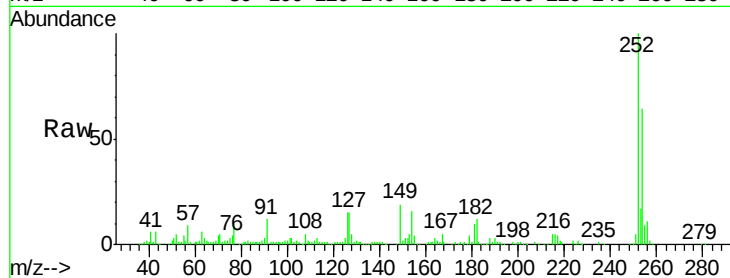




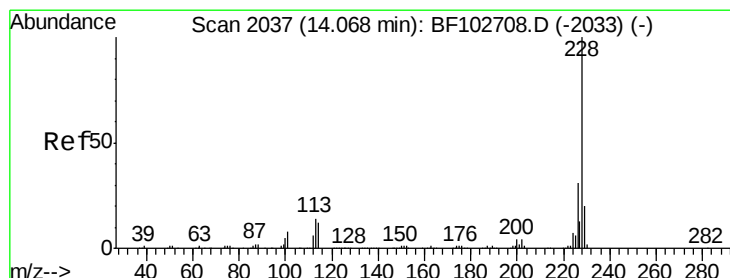
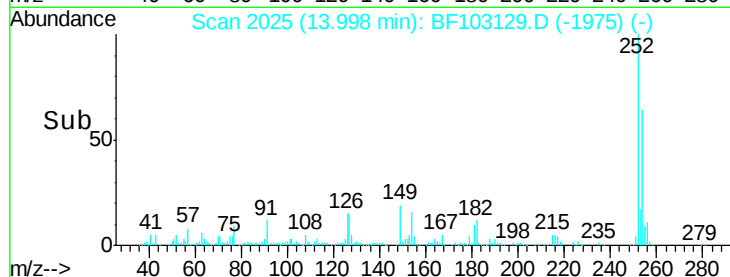
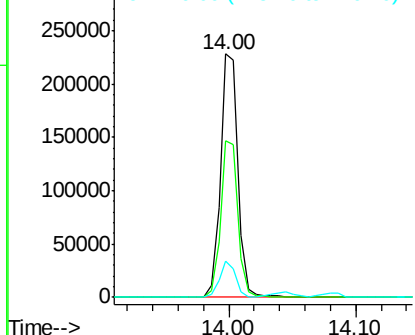
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.150 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.01 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 219770  
 Ion Ratio Lower Upper  
 252 100  
 254 64.2 50.4 75.6  
 126 15.1 11.3 16.9

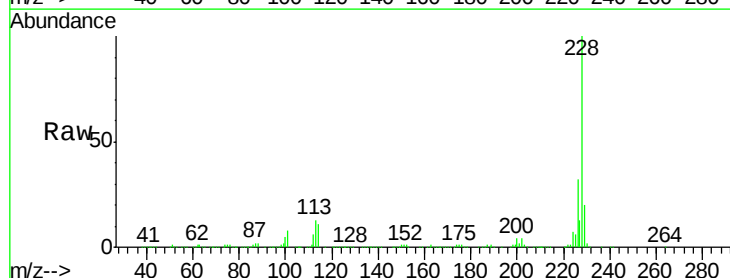


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

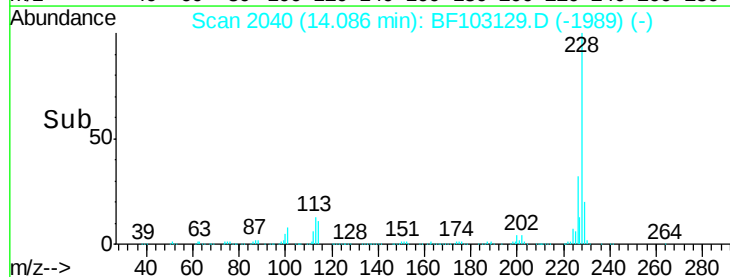
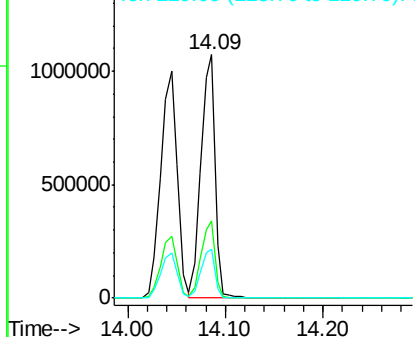


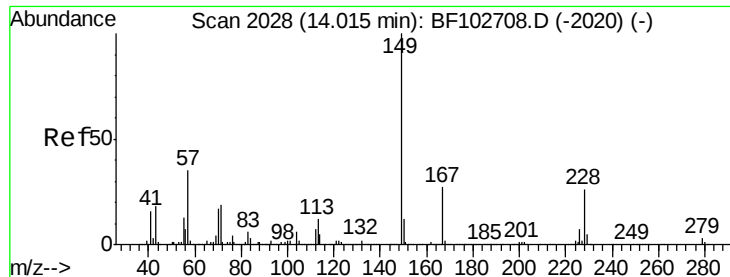
#82  
 Chrysene  
 Concen: 36.255 ng  
 RT: 14.09 min Scan# 2040  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:228 Resp: 1075049  
 Ion Ratio Lower Upper  
 228 100  
 226 31.7 25.0 37.6  
 229 20.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

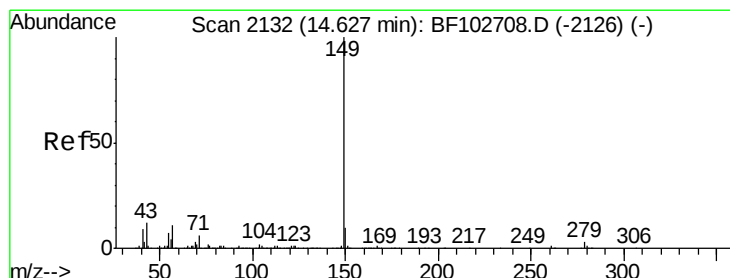
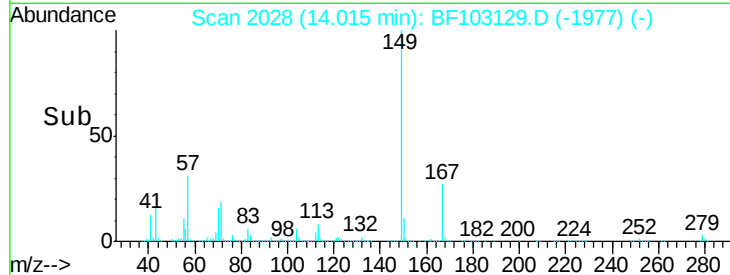
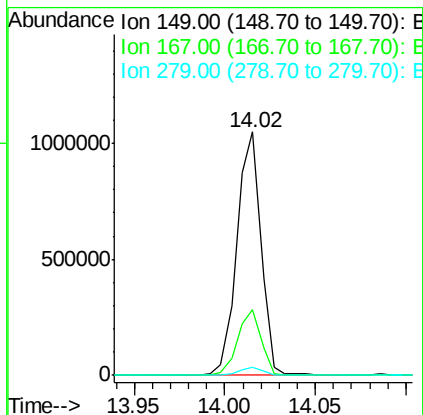
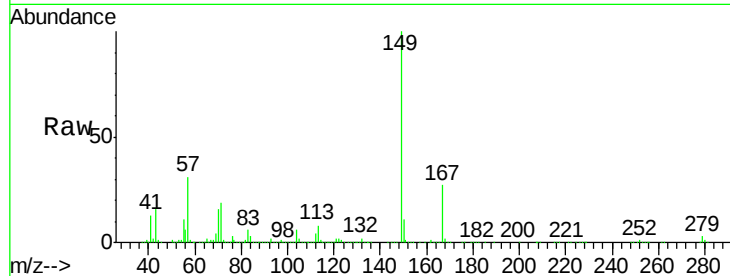




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.918 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

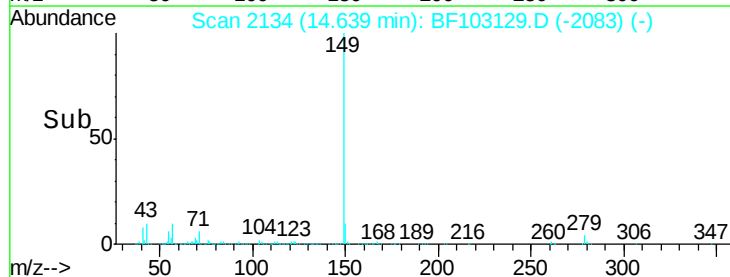
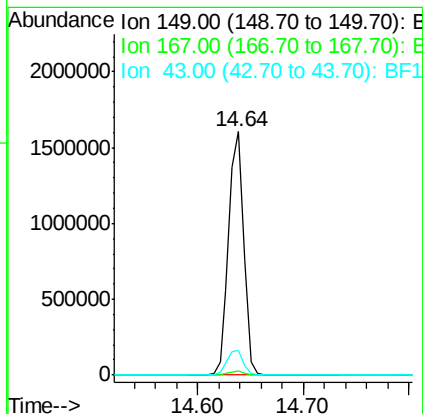
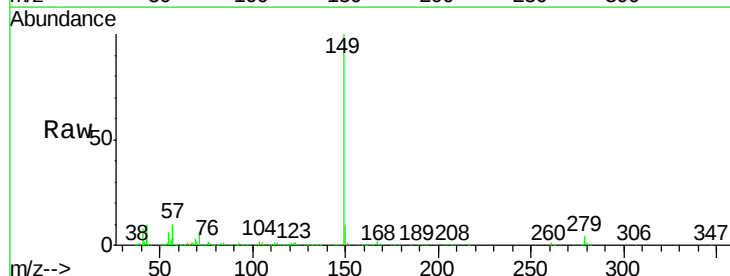
Instrument :  
 BNA\_F  
 ClientSampleId :

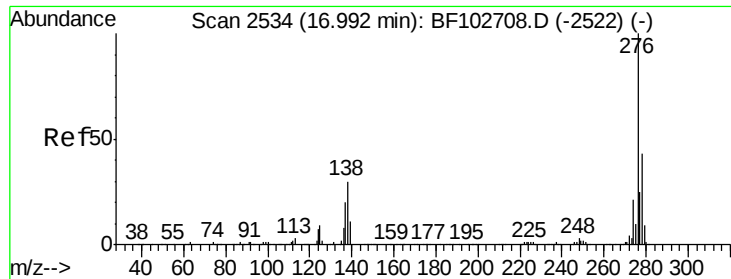
Tot Ion:149 Resp: 964289  
 Ion Ratio Lower Upper  
 149 100  
 167 26.8 21.3 31.9  
 279 3.4 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 47.234 ng  
 RT: 14.64 min Scan# 2134  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:149 Resp: 1593513  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 10.4 8.4 12.6

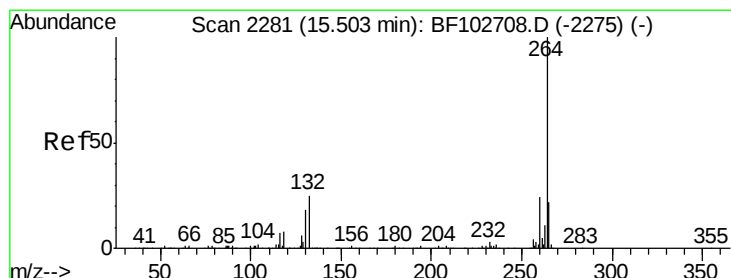
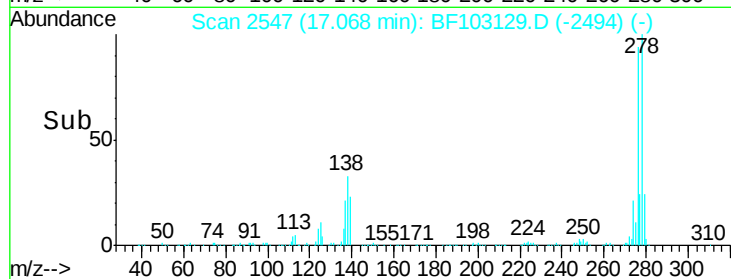
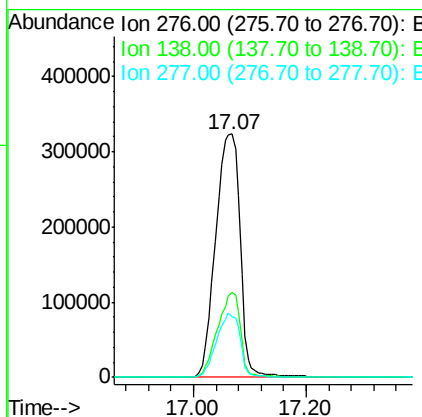
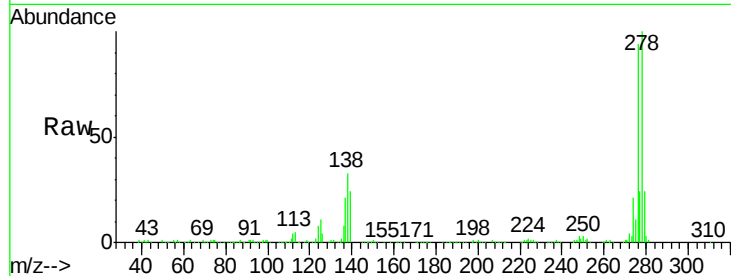




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 39.833 ng  
 RT: 17.07 min Scan# 2547  
 Delta R.T. 0.01 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

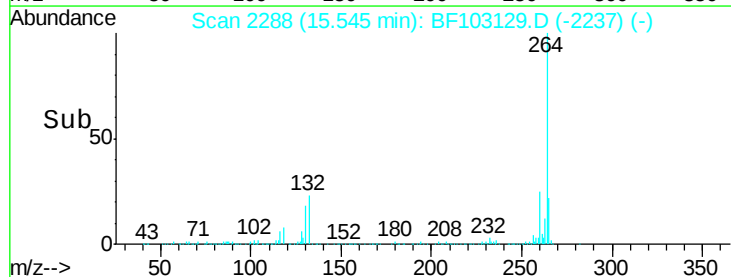
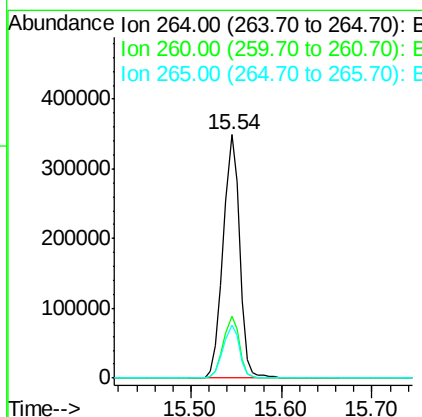
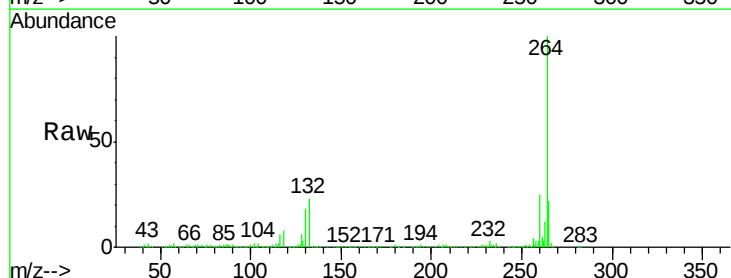
Instrument :  
 BNA\_F  
 ClientSampleId :

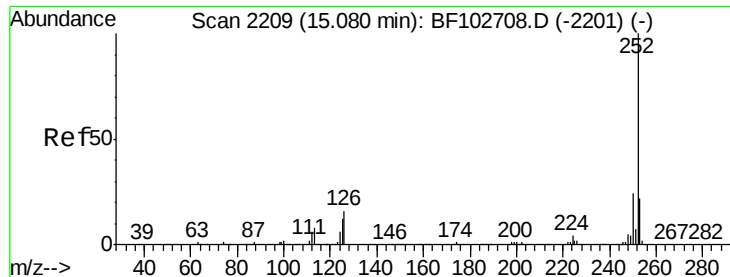
Tot Ion:276 Resp: 979629  
 Ion Ratio Lower Upper  
 276 100  
 138 32.9 25.0 37.6  
 277 25.3 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2288  
 Delta R.T. -0.00 min  
 Lab File: BF103129.D  
 Acq: 21 Feb 2018 12:03

Tgt Ion:264 Resp: 438830  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 19.2 28.8  
 265 21.9 17.5 26.3

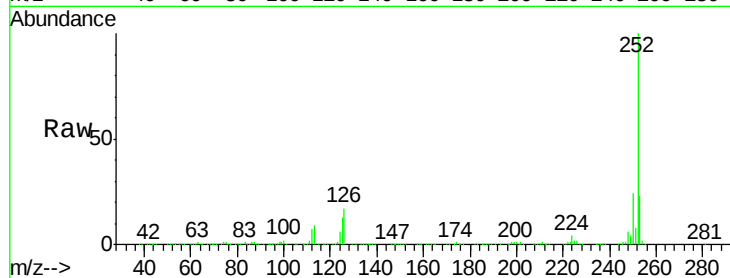




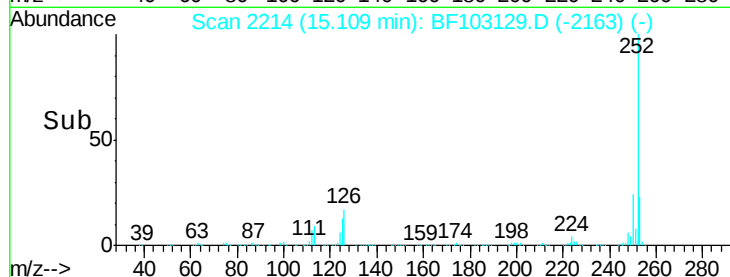
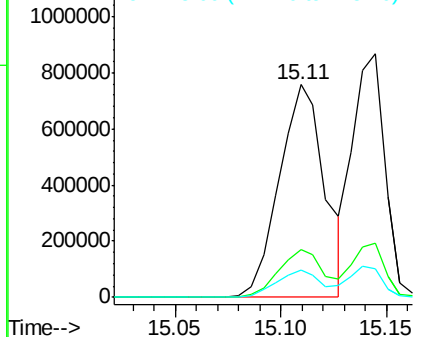
#87  
Benzo(b)fluoranthene  
Concen: 39.969 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 1137152  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.0 25.6  
125 12.9 9.0 13.6

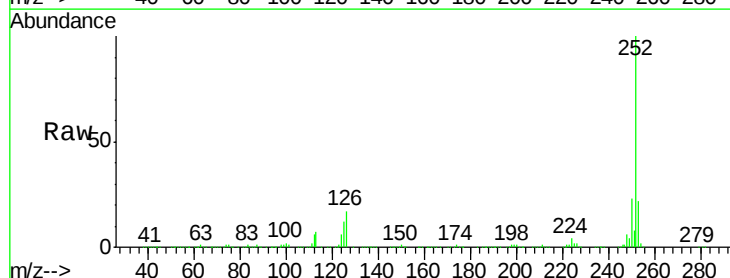
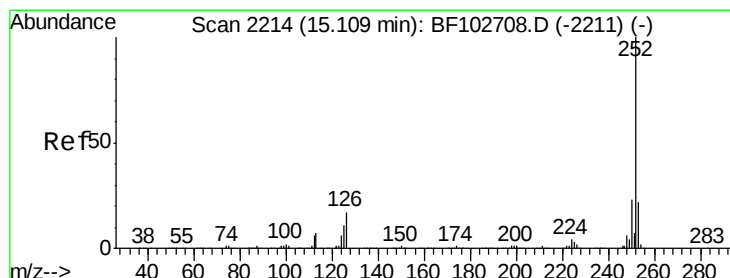


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

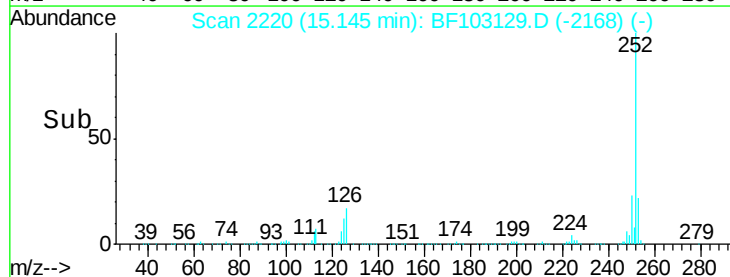
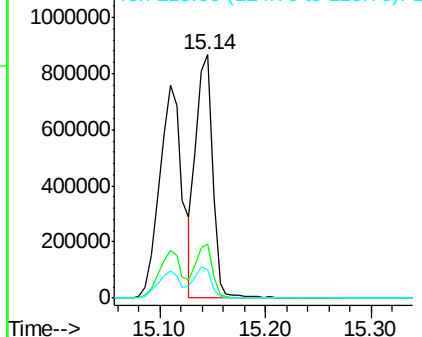


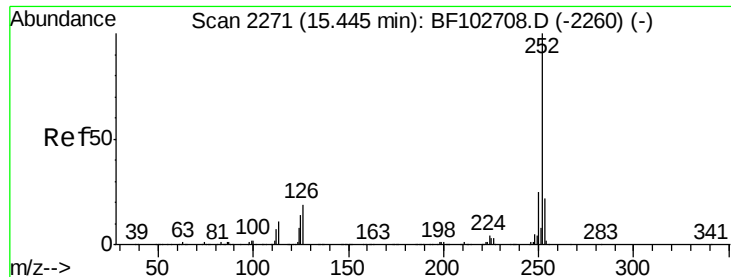
#88  
Benzo(k)fluoranthene  
Concen: 34.586 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:252 Resp: 940209  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 11.7 10.2 15.2



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

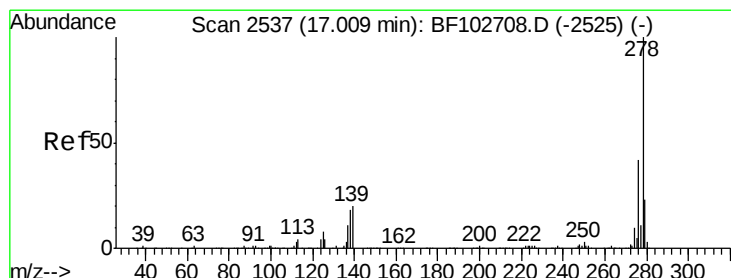
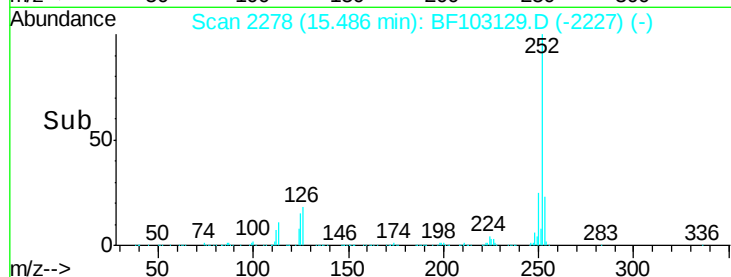
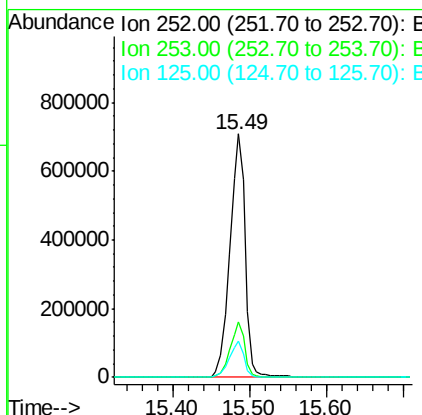
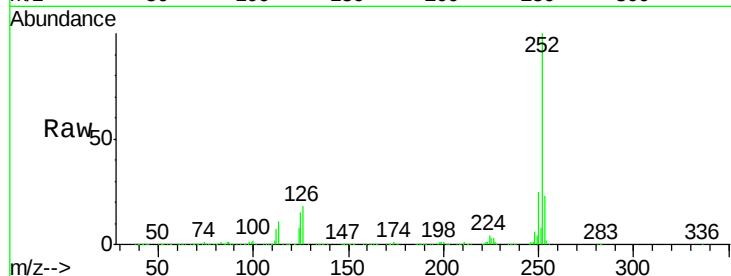




#89  
Benzo(a)pyrene  
Concen: 38.281 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

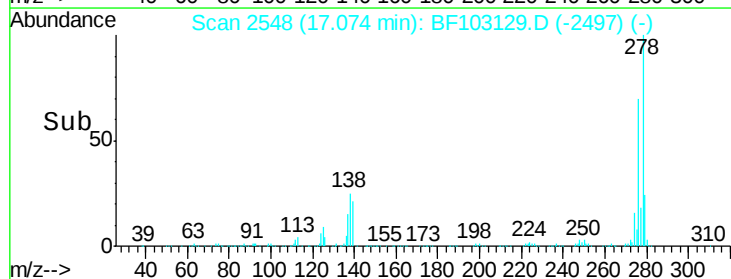
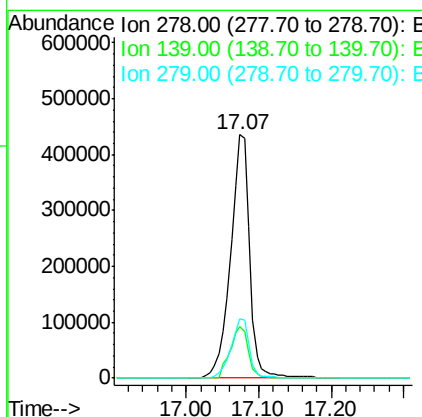
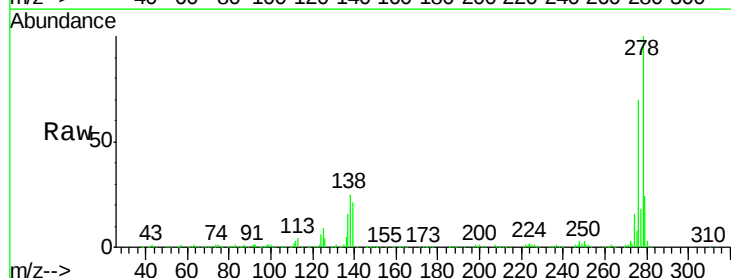
Instrument :  
BNA\_F  
ClientSampleId :

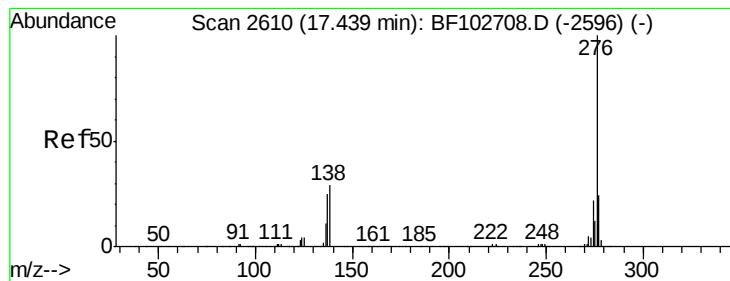
Tot Ion:252 Resp: 980352  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.1 25.7  
125 14.8 9.8 14.6#



#90  
Dibenzo(a,h)anthracene  
Concen: 38.392 ng  
RT: 17.07 min Scan# 2548  
Delta R.T. -0.00 min  
Lab File: BF103129.D  
Acq: 21 Feb 2018 12:03

Tgt Ion:278 Resp: 798022  
Ion Ratio Lower Upper  
278 100  
139 21.4 15.9 23.9  
279 24.4 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 41.081 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF103129.D

Acq: 21 Feb 2018 12:03

Instrument :

BNA\_F

ClientSampleId :

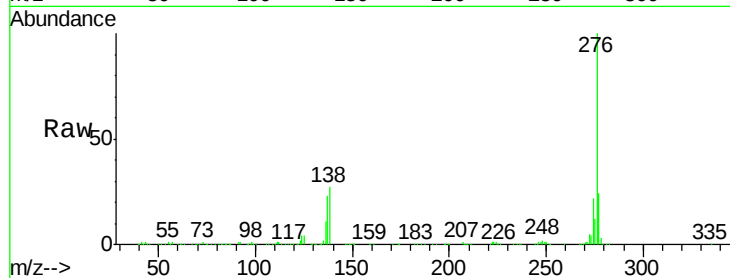
Tot Ion: 276 Resp: 835818

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 27.4 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

